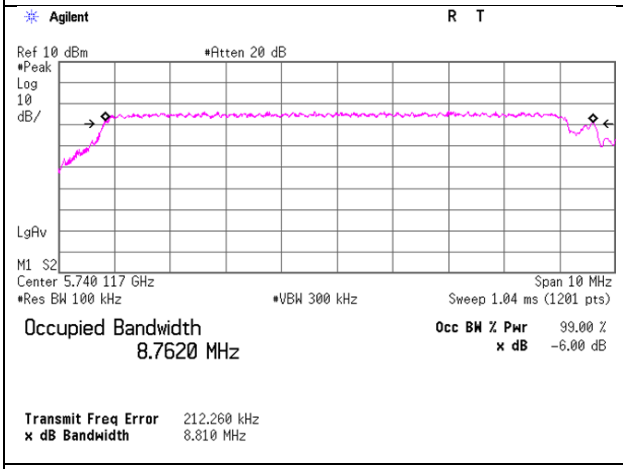
6 dB Bandwidth

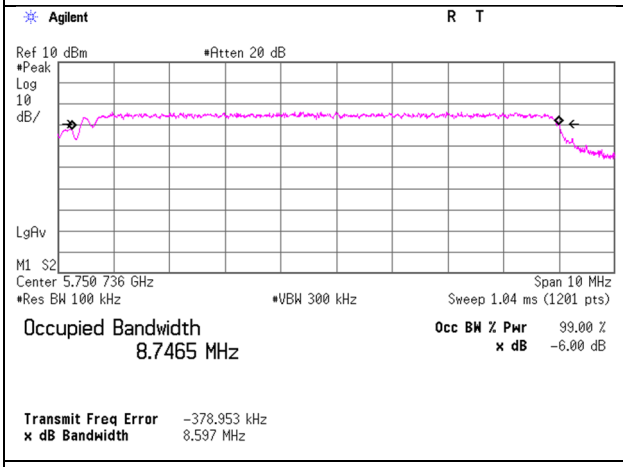
11ax-40 (OFDMA)

106-tone RU 5755 MHz

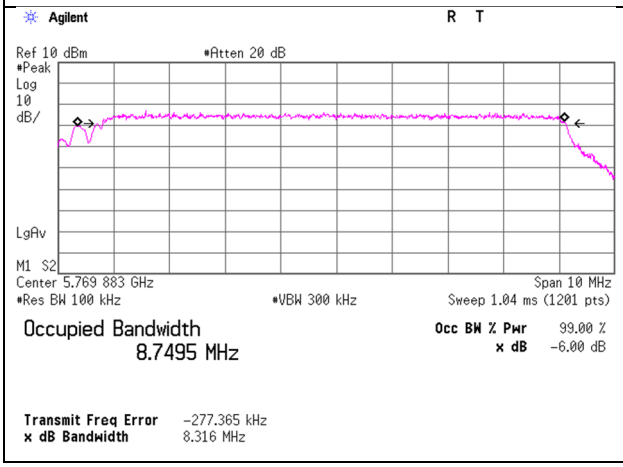
RU Index 53



RU Index 54

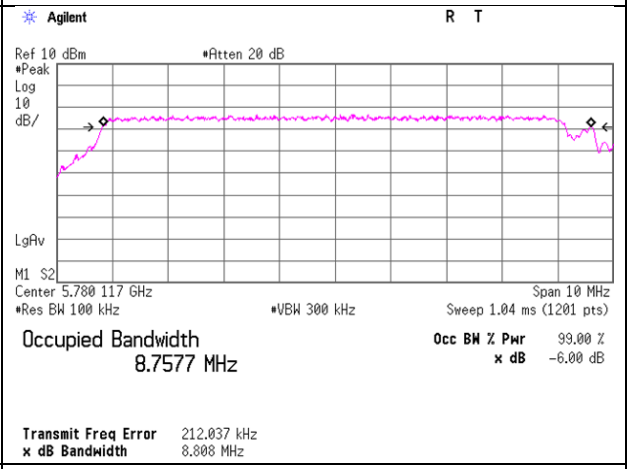


RU Index 56

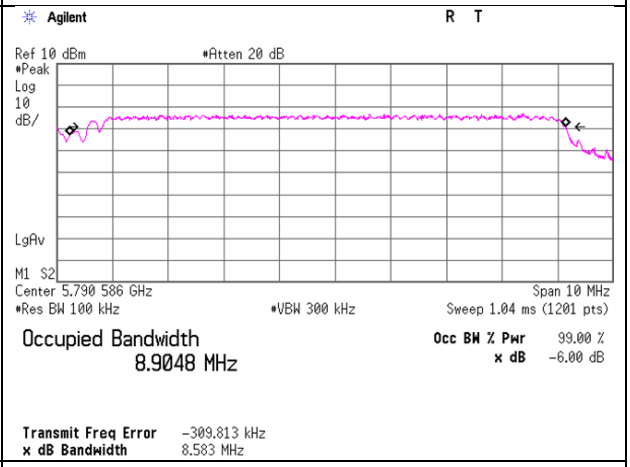


106-tone RU 5795 MHz

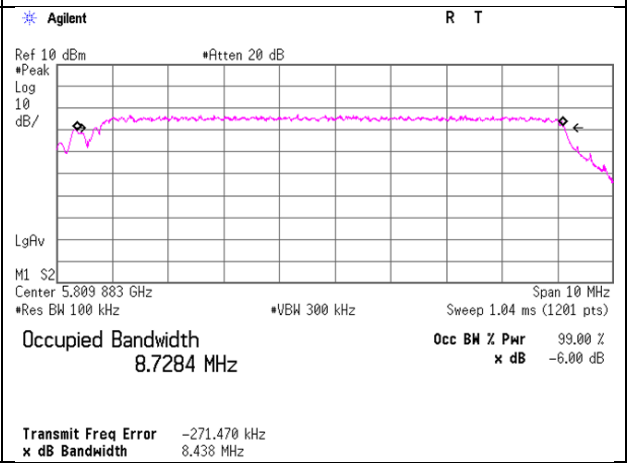
RU Index 53



RU Index 54



RU Index 56

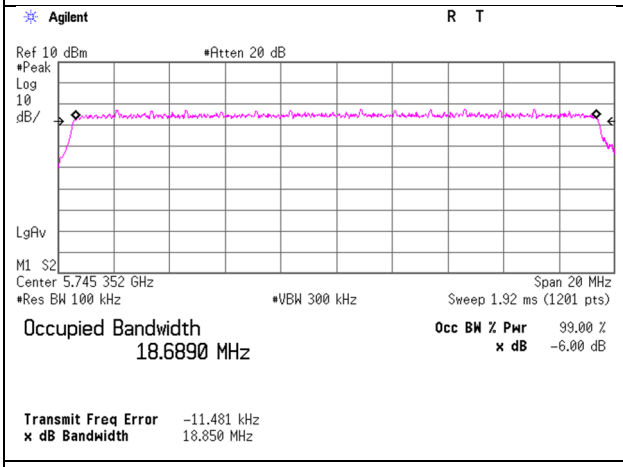


6 dB Bandwidth

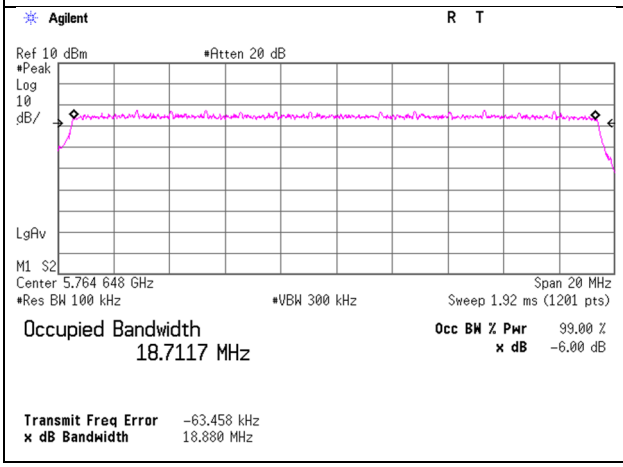
11ax-40 (OFDMA)

242-tone RU 5755 MHz

RU Index 61

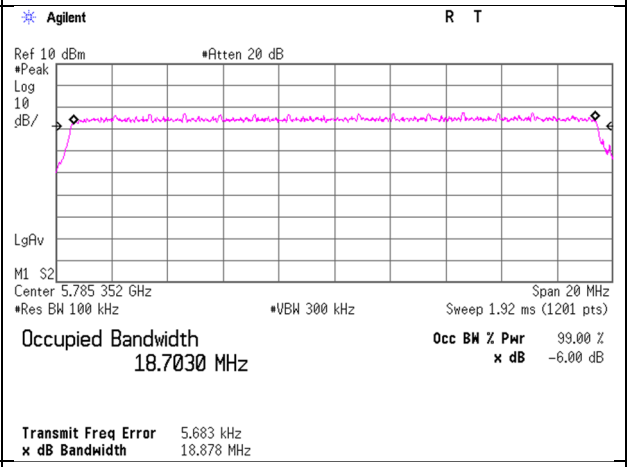


RU Index 62

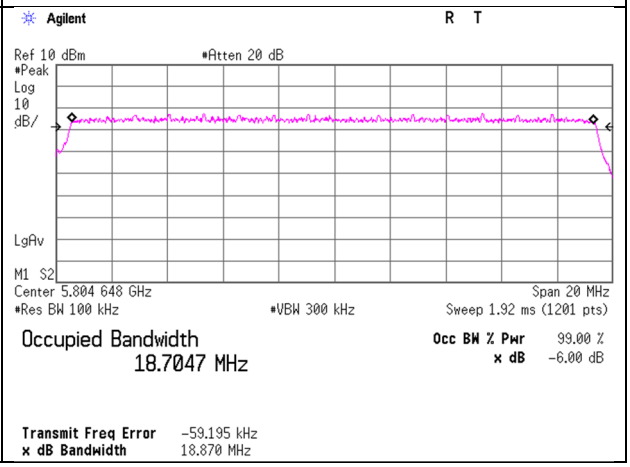


242-tone RU 5795 MHz

RU Index 61



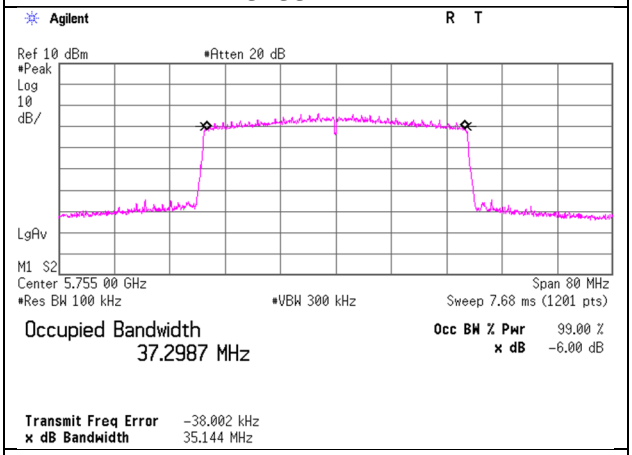
RU Index 62



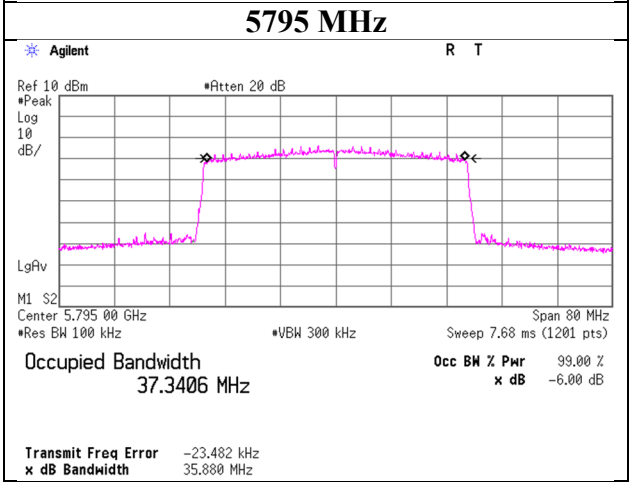
6 dB Bandwidth

11ax-40 (OFDMA)
484-tone RU

5755 MHz

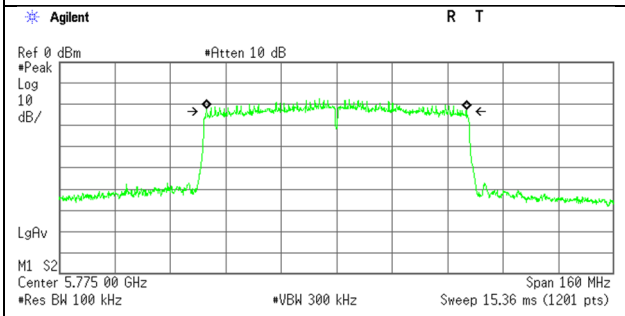


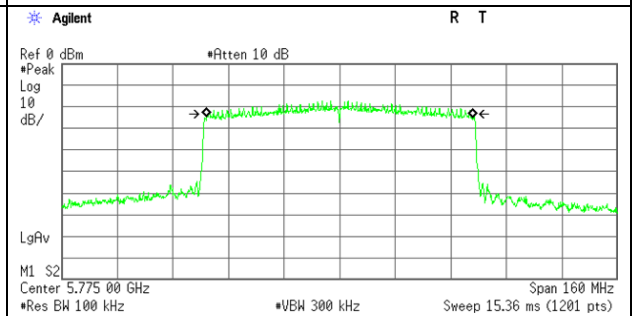
5795 MHz



6 dB Bandwidth

11ac-80	11ax-80 (OFDM)
5775 MHz	5775 MHz



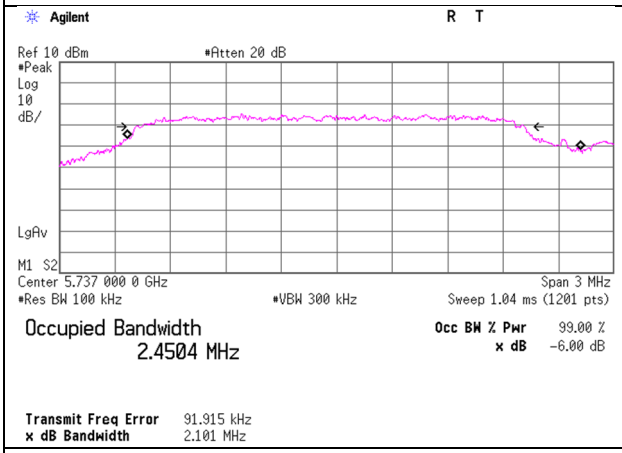


6 dB Bandwidth

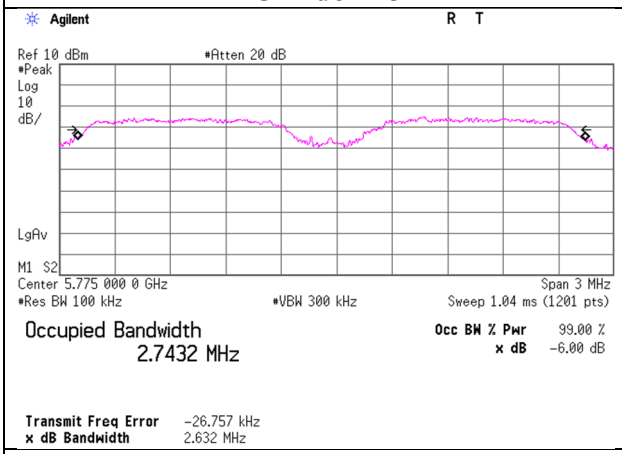
11ax-80 (OFDMA)

26-tone RU 5775 MHz

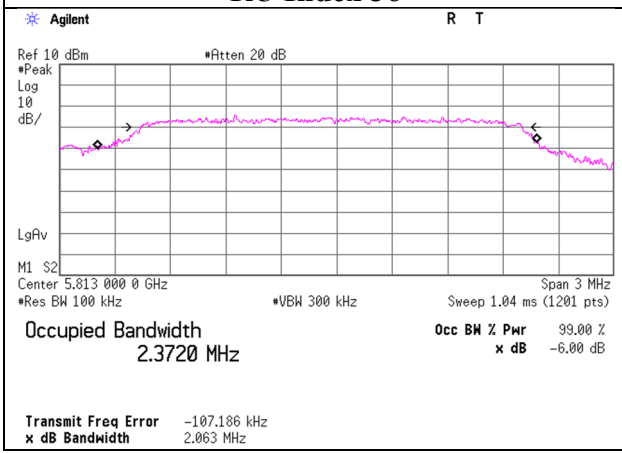
RU Index 0



RU Index 18

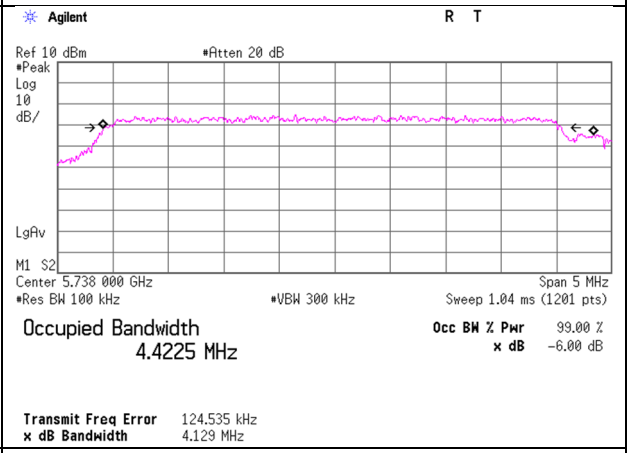


RU Index 36

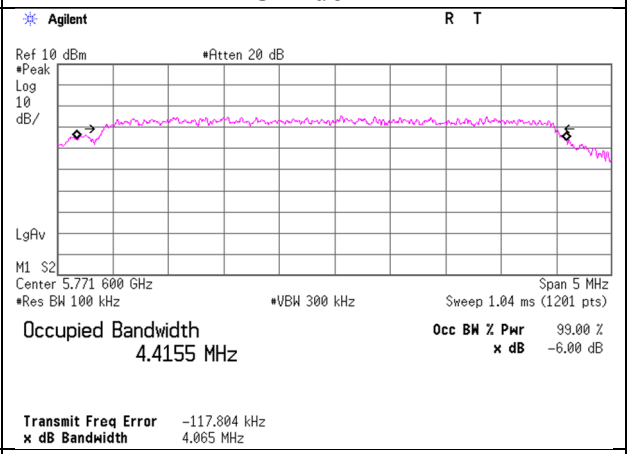


52-tone RU 5775 MHz

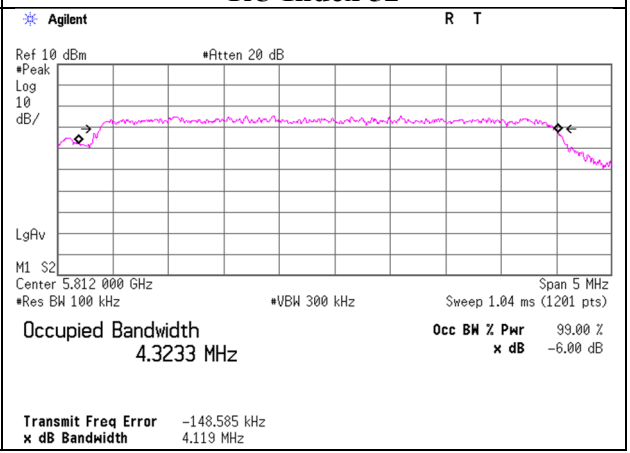
RU Index 37



RU Index 44



RU Index 52

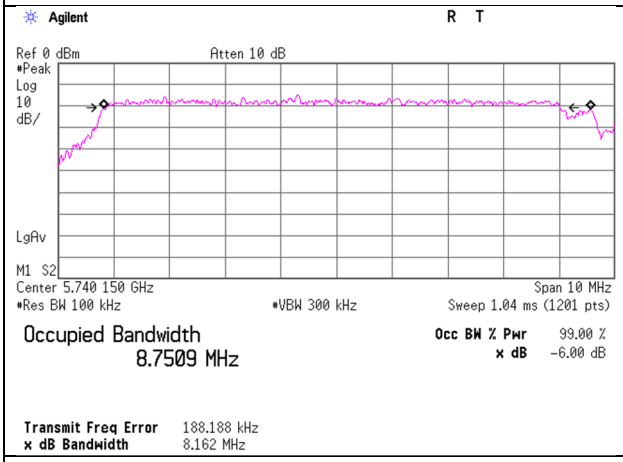


6 dB Bandwidth

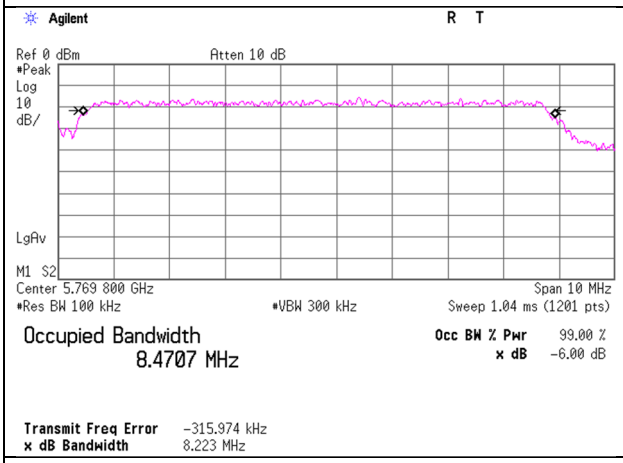
11ax-80 (OFDMA)

106-tone RU 5775 MHz

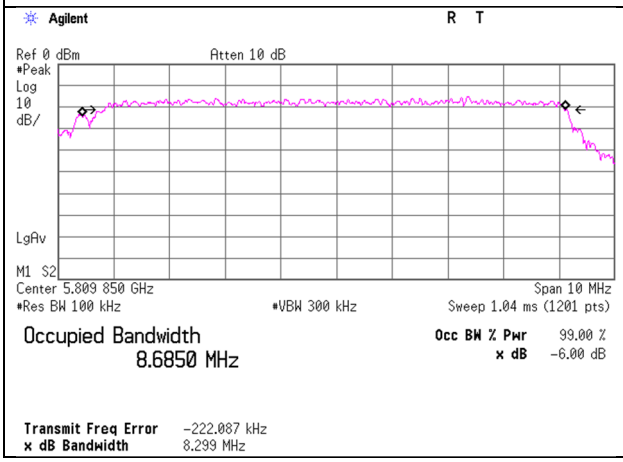
RU Index 53



RU Index 56

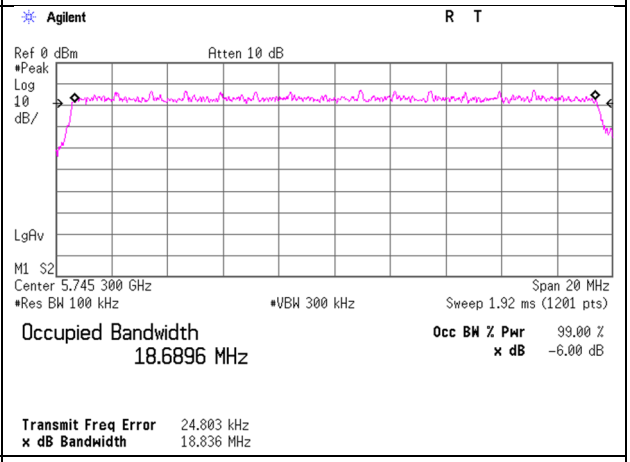


RU Index 60

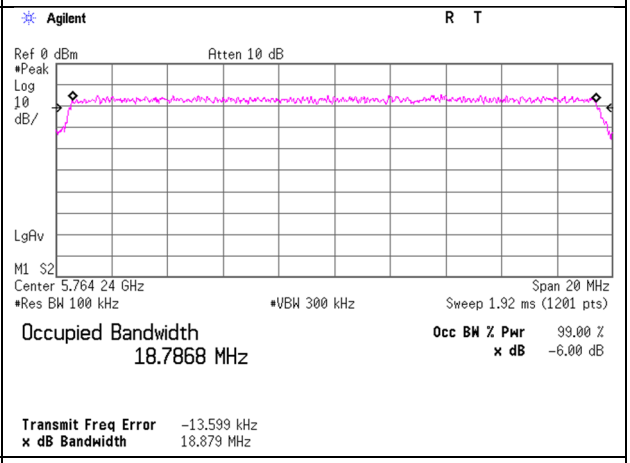


242-tone RU 5775 MHz

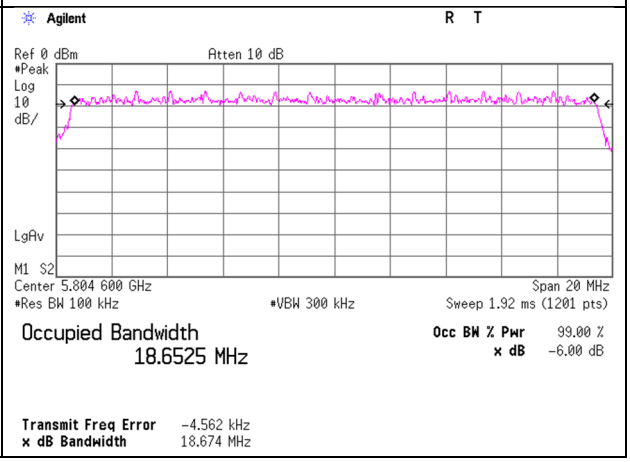
RU Index 61



RU Index 62



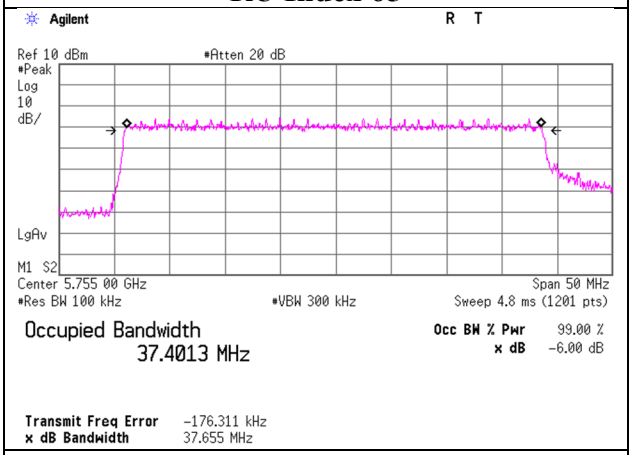
RU Index 64



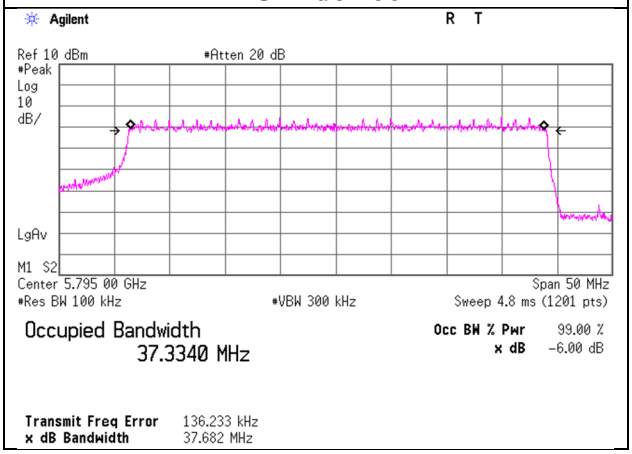
6 dB Bandwidth

11ax-80 (OFDMA)
484-tone RU 5775 MHz

RU Index 65



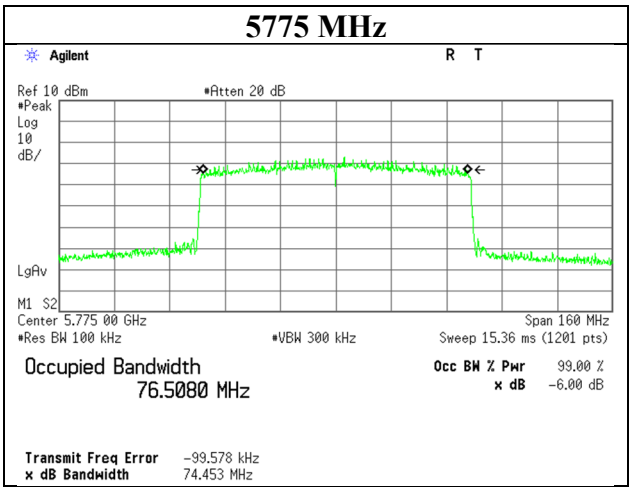
RU Index 66



6 dB Bandwidth

11ax-80 (OFDMA)
996-tone RU

5775 MHz



Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 25, 2022
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11a

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power Antenna 1	Antenna 3	Sum	Result	Limit	Margin	e.i.r.p. Antenna 1	Antenna 3	Sum	Result	Limit	Margin
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5180	-	17.270	4.74	7.28	12.02	10.80	21.23	10.43	35.48	54.45	89.93	19.54	29.97	10.43
5220	-	17.293	4.86	7.38	12.24	10.88	21.23	10.35	36.39	55.21	91.60	19.62	29.97	10.35
5240	-	16.532	4.74	7.40	12.14	10.84	21.23	10.39	35.48	55.34	90.82	19.58	29.97	10.39
5260	22.649	17.269	7.05	10.79	17.84	12.51	21.23	8.72	52.72	80.72	133.45	21.25	29.97	8.72
5300	24.733	17.392	7.26	9.46	16.72	12.23	21.23	9.00	54.33	70.79	125.12	20.97	29.97	9.00
5320	23.117	17.415	7.48	9.53	17.01	12.31	21.23	8.92	55.98	71.29	127.26	21.05	29.97	8.92
5500	24.620	17.471	8.85	8.05	16.90	12.28	21.23	8.95	66.22	60.26	126.48	21.02	29.97	8.95
5580	23.554	17.301	9.14	7.96	17.10	12.33	21.23	8.90	68.39	59.57	127.96	21.07	29.97	8.90
5700	24.802	17.393	7.64	9.08	16.72	12.23	21.23	9.00	57.15	67.92	125.07	20.97	29.97	9.00
5720	23.144	17.267	8.43	9.12	17.55	12.44	21.23	8.79	63.10	68.23	131.33	21.18	29.97	8.79
5745	-	17.271	8.34	8.95	17.29	12.38	27.26	14.88	62.37	66.99	129.36	21.12	36.00	14.88
5785	-	17.312	8.67	8.95	17.62	12.46	27.26	14.80	64.86	66.99	131.85	21.20	36.00	14.80
5825	-	17.274	8.73	8.89	17.62	12.46	27.26	14.80	65.31	66.53	131.84	21.20	36.00	14.80

		Antenna 1						**Antenna 3**					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5180	0.00	-3.73	0.90	9.59	8.74	6.76	15.50	-2.48	1.00	10.10	8.74	8.62	17.36
5220	0.00	-3.62	0.90	9.59	8.74	6.87	15.61	-2.42	1.00	10.10	8.74	8.68	17.42
5240	0.00	-3.73	0.90	9.59	8.74	6.76	15.50	-2.40	1.00	10.09	8.74	8.69	17.43
5260	0.00	-2.01	0.90	9.59	8.74	8.48	17.22	-0.76	1.00	10.09	8.74	10.33	19.07
5300	0.00	-1.88	0.90	9.59	8.74	8.61	17.35	-1.33	1.00	10.09	8.74	9.76	18.50
5320	0.00	-1.75	0.90	9.59	8.74	8.74	17.48	-1.30	1.00	10.09	8.74	9.79	18.53
5500	0.00	-1.11	1.00	9.58	8.74	9.47	18.21	-2.11	1.10	10.07	8.74	9.06	17.80
5580	0.00	-0.97	1.00	9.58	8.74	9.61	18.35	-2.16	1.10	10.07	8.74	9.01	17.75
5700	0.00	-1.76	1.00	9.59	8.74	8.83	17.57	-1.59	1.10	10.07	8.74	9.58	18.32
5720	0.00	-1.33	1.00	9.59	8.74	9.26	18.00	-1.57	1.10	10.07	8.74	9.60	18.34
5745	0.00	-1.38	1.00	9.59	8.74	9.21	17.95	-1.65	1.10	10.07	8.74	9.52	18.26
5785	0.00	-1.21	1.00	9.59	8.74	9.38	18.12	-1.65	1.10	10.07	8.74	9.52	18.26
5825	0.00	-1.19	1.00	9.60	8.74	9.41	18.15	-1.69	1.10	10.08	8.74	9.49	18.23

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 25, 2022
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11n-20

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power Antenna 1	Antenna 3	Sum	Result	Limit	Margin	e.i.r.p. Antenna 1	Antenna 3	Sum	Result	Limit	Margin
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5180	-	17.970	4.62	7.64	12.26	10.89	21.23	10.34	34.59	57.15	91.74	19.63	29.97	10.34
5220	-	17.970	4.71	7.62	12.33	10.91	21.23	10.32	35.24	57.02	92.25	19.65	29.97	10.32
5240	-	17.586	4.73	7.64	12.37	10.92	21.23	10.31	35.40	57.15	92.55	19.66	29.97	10.31
5260	23.881	18.015	7.01	11.32	18.34	12.63	21.23	8.60	52.48	84.72	137.20	21.37	29.97	8.60
5300	23.949	18.075	7.40	9.84	17.24	12.36	21.23	8.87	55.34	73.62	128.96	21.10	29.97	8.87
5320	23.768	18.051	7.48	9.86	17.34	12.39	21.23	8.84	55.98	73.79	129.77	21.13	29.97	8.84
5500	23.924	18.060	8.73	8.18	16.91	12.28	21.23	8.95	65.31	61.24	126.55	21.02	29.97	8.95
5580	23.071	17.968	9.02	8.39	17.41	12.41	21.23	8.82	67.45	62.81	130.26	21.15	29.97	8.82
5700	24.048	18.036	7.71	9.38	17.08	12.33	21.23	8.90	57.68	70.15	127.82	21.07	29.97	8.90
5720	23.331	18.008	8.20	9.53	17.73	12.49	21.23	8.74	61.38	71.29	132.66	21.23	29.97	8.74
5745	-	17.983	8.11	9.31	17.42	12.41	27.26	14.85	60.67	69.66	130.34	21.15	36.00	14.85
5785	-	17.987	8.53	9.10	17.63	12.46	27.26	14.80	63.83	68.08	131.90	21.20	36.00	14.80
5825	-	17.979	8.55	9.08	17.63	12.46	27.26	14.80	63.97	67.92	131.89	21.20	36.00	14.80

		Antenna 1						**Antenna 3**					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5180	0.00	-3.84	0.90	9.59	8.74	6.65	15.39	-2.27	1.00	10.10	8.74	8.83	17.57
5220	0.00	-3.76	0.90	9.59	8.74	6.73	15.47	-2.28	1.00	10.10	8.74	8.82	17.56
5240	0.00	-3.74	0.90	9.59	8.74	6.75	15.49	-2.26	1.00	10.09	8.74	8.83	17.57
5260	0.00	-2.03	0.90	9.59	8.74	8.46	17.20	-0.55	1.00	10.09	8.74	10.54	19.28
5300	0.00	-1.80	0.90	9.59	8.74	8.69	17.43	-1.16	1.00	10.09	8.74	9.93	18.67
5320	0.00	-1.75	0.90	9.59	8.74	8.74	17.48	-1.15	1.00	10.09	8.74	9.94	18.68
5500	0.00	-1.17	1.00	9.58	8.74	9.41	18.15	-2.04	1.10	10.07	8.74	9.13	17.87
5580	0.00	-1.03	1.00	9.58	8.74	9.55	18.29	-1.93	1.10	10.07	8.74	9.24	17.98
5700	0.00	-1.72	1.00	9.59	8.74	8.87	17.61	-1.45	1.10	10.07	8.74	9.72	18.46
5720	0.00	-1.45	1.00	9.59	8.74	9.14	17.88	-1.38	1.10	10.07	8.74	9.79	18.53
5745	0.00	-1.50	1.00	9.59	8.74	9.09	17.83	-1.48	1.10	10.07	8.74	9.69	18.43
5785	0.00	-1.28	1.00	9.59	8.74	9.31	18.05	-1.58	1.10	10.07	8.74	9.59	18.33
5825	0.00	-1.28	1.00	9.60	8.74	9.32	18.06	-1.60	1.10	10.08	8.74	9.58	18.32

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 25, 2022
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ac-20

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power Antenna 1	Antenna 3	Sum	Result	Limit	Margin	e.i.r.p. Antenna 1	Antenna 3	Sum	Result	Limit	Margin
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5180	-	17.980	4.70	7.59	12.28	10.89	21.23	10.34	35.16	56.75	91.91	19.63	29.97	10.34
5220	-	17.952	4.83	7.76	12.59	11.00	21.23	10.23	36.14	58.08	94.22	19.74	29.97	10.23
5240	-	17.589	4.73	7.64	12.37	10.92	21.23	10.31	35.40	57.15	92.55	19.66	29.97	10.31
5260	23.498	17.987	7.06	11.32	18.39	12.65	21.23	8.58	52.84	84.72	137.57	21.39	29.97	8.58
5300	23.660	18.058	7.35	9.91	17.25	12.37	21.23	8.86	54.95	74.13	129.09	21.11	29.97	8.86
5320	23.467	18.028	7.48	10.19	17.67	12.47	21.23	8.76	55.98	76.21	132.18	21.21	29.97	8.76
5500	22.794	18.064	8.73	8.18	16.91	12.28	21.23	8.95	65.31	61.24	126.55	21.02	29.97	8.95
5580	23.541	17.970	9.08	8.38	17.45	12.42	21.23	8.81	67.92	62.66	130.58	21.16	29.97	8.81
5700	23.597	18.085	7.85	9.51	17.36	12.40	21.23	8.83	58.75	71.12	129.87	21.14	29.97	8.83
5720	23.629	17.988	8.17	9.59	17.76	12.49	21.23	8.74	61.09	71.78	132.87	21.23	29.97	8.74
5745	-	17.990	8.30	9.18	17.48	12.43	27.26	14.83	62.09	68.71	130.79	21.17	36.00	14.83
5785	-	17.988	8.55	9.16	17.71	12.48	27.26	14.78	63.97	68.55	132.52	21.22	36.00	14.78
5825	-	17.989	8.65	9.35	18.00	12.55	27.26	14.71	64.71	69.98	134.70	21.29	36.00	14.71

		Antenna 1						**Antenna 3**					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	e.i.r.p.	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	e.i.r.p.
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5180	0.00	-3.77	0.90	9.59	8.74	6.72	15.46	-2.30	1.00	10.10	8.74	8.80	17.54
5220	0.00	-3.65	0.90	9.59	8.74	6.84	15.58	-2.20	1.00	10.10	8.74	8.90	17.64
5240	0.00	-3.74	0.90	9.59	8.74	6.75	15.49	-2.26	1.00	10.09	8.74	8.83	17.57
5260	0.00	-2.00	0.90	9.59	8.74	8.49	17.23	-0.55	1.00	10.09	8.74	10.54	19.28
5300	0.00	-1.83	0.90	9.59	8.74	8.66	17.40	-1.13	1.00	10.09	8.74	9.96	18.70
5320	0.00	-1.75	0.90	9.59	8.74	8.74	17.48	-1.01	1.00	10.09	8.74	10.08	18.82
5500	0.00	-1.17	1.00	9.58	8.74	9.41	18.15	-2.04	1.10	10.07	8.74	9.13	17.87
5580	0.00	-1.00	1.00	9.58	8.74	9.58	18.32	-1.94	1.10	10.07	8.74	9.23	17.97
5700	0.00	-1.64	1.00	9.59	8.74	8.95	17.69	-1.39	1.10	10.07	8.74	9.78	18.52
5720	0.00	-1.47	1.00	9.59	8.74	9.12	17.86	-1.35	1.10	10.07	8.74	9.82	18.56
5745	0.00	-1.40	1.00	9.59	8.74	9.19	17.93	-1.54	1.10	10.07	8.74	9.63	18.37
5785	0.00	-1.27	1.00	9.59	8.74	9.32	18.06	-1.55	1.10	10.07	8.74	9.62	18.36
5825	0.00	-1.23	1.00	9.60	8.74	9.37	18.11	-1.47	1.10	10.08	8.74	9.71	18.45

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 25, 2022
Temperature / Humidity	21 deg. C / 45 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-20 (OFDM)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power Antenna 1	Antenna 3	Sum	Result	Limit	Margin	e.i.r.p. Antenna 1	Antenna 3	Sum	Result	Limit	Margin
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5180	-	19.222	4.83	7.62	12.45	10.95	21.23	10.28	36.14	57.02	93.16	19.69	29.97	10.28
5220	-	19.235	4.98	7.62	12.60	11.00	21.23	10.23	37.24	57.02	94.26	19.74	29.97	10.23
5240	-	18.799	4.97	7.69	12.66	11.02	21.23	10.21	37.15	57.54	94.70	19.76	29.97	10.21
5260	24.253	19.238	7.33	11.09	18.42	12.65	21.23	8.58	54.83	82.99	137.81	21.39	29.97	8.58
5300	23.472	19.249	7.85	9.91	17.76	12.49	21.23	8.74	58.75	74.13	132.88	21.23	29.97	8.74
5320	24.089	19.280	7.89	9.95	17.84	12.51	21.23	8.72	59.02	74.47	133.49	21.25	29.97	8.72
5500	23.851	19.240	9.29	8.15	17.44	12.41	21.23	8.82	69.50	60.95	130.46	21.15	29.97	8.82
5580	23.530	19.229	9.23	8.28	17.51	12.43	21.23	8.80	69.02	61.94	130.97	21.17	29.97	8.80
5700	23.749	19.248	8.26	9.29	17.55	12.44	21.23	8.79	61.80	69.50	131.30	21.18	29.97	8.79
5720	23.679	19.222	8.26	9.51	17.77	12.50	21.23	8.73	61.80	71.12	132.92	21.24	29.97	8.73
5745	-	19.230	8.89	9.14	18.03	12.56	27.26	14.70	66.53	68.39	134.92	21.30	36.00	14.70
5785	-	19.226	8.93	9.25	18.18	12.60	27.26	14.66	66.83	69.18	136.02	21.34	36.00	14.66
5825	-	19.224	8.91	9.12	18.03	12.56	27.26	14.70	66.68	68.23	134.91	21.30	36.00	14.70

		Antenna 1						**Antenna 3**					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	e.i.r.p.	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	e.i.r.p.
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5180	0.00	-3.65	0.90	9.59	8.74	6.84	15.58	-2.28	1.00	10.10	8.74	8.82	17.56
5220	0.00	-3.52	0.90	9.59	8.74	6.97	15.71	-2.28	1.00	10.10	8.74	8.82	17.56
5240	0.00	-3.53	0.90	9.59	8.74	6.96	15.70	-2.23	1.00	10.09	8.74	8.86	17.60
5260	0.00	-1.84	0.90	9.59	8.74	8.65	17.39	-0.64	1.00	10.09	8.74	10.45	19.19
5300	0.00	-1.54	0.90	9.59	8.74	8.95	17.69	-1.13	1.00	10.09	8.74	9.96	18.70
5320	0.00	-1.52	0.90	9.59	8.74	8.97	17.71	-1.11	1.00	10.09	8.74	9.98	18.72
5500	0.00	-0.90	1.00	9.58	8.74	9.68	18.42	-2.06	1.10	10.07	8.74	9.11	17.85
5580	0.00	-0.93	1.00	9.58	8.74	9.65	18.39	-1.99	1.10	10.07	8.74	9.18	17.92
5700	0.00	-1.42	1.00	9.59	8.74	9.17	17.91	-1.49	1.10	10.07	8.74	9.68	18.42
5720	0.00	-1.42	1.00	9.59	8.74	9.17	17.91	-1.39	1.10	10.07	8.74	9.78	18.52
5745	0.00	-1.10	1.00	9.59	8.74	9.49	18.23	-1.56	1.10	10.07	8.74	9.61	18.35
5785	0.00	-1.08	1.00	9.59	8.74	9.51	18.25	-1.51	1.10	10.07	8.74	9.66	18.40
5825	0.00	-1.10	1.00	9.60	8.74	9.50	18.24	-1.58	1.10	10.08	8.74	9.60	18.34

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-20 OFDMA (26-tone RU)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power Antenna 1	Antenna 3	Sum	Result	Limit	Margin	e.i.r.p. Antenna 1	Antenna 3	Sum	Result	Limit	Margin
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5180	0	-	19.385	0.59	0.92	1.51	1.80	21.23	19.43	4.42	6.90	11.32	10.54	29.97	19.43
	4	-	17.026	0.60	0.91	1.52	1.80	21.23	19.43	4.50	6.84	11.34	10.54	29.97	19.43
	8	-	19.225	0.60	0.94	1.54	1.88	21.23	19.35	4.51	7.03	11.54	10.62	29.97	19.35
5220	0	-	19.022	0.58	0.97	1.55	1.90	21.23	19.33	4.34	7.24	11.58	10.64	29.97	19.33
	4	-	17.049	0.62	1.00	1.63	2.11	21.23	19.12	4.65	7.52	12.16	10.85	29.97	19.12
	8	-	19.196	0.61	1.01	1.63	2.12	21.23	19.11	4.59	7.59	12.18	10.86	29.97	19.11
5240	0	-	18.178	0.60	0.93	1.53	1.85	21.23	19.38	4.50	6.97	11.46	10.59	29.97	19.38
	4	-	16.866	0.65	0.98	1.63	2.13	21.23	19.10	4.86	7.36	12.23	10.87	29.97	19.10
	8	-	18.141	0.65	0.99	1.64	2.16	21.23	19.07	4.89	7.41	12.30	10.90	29.97	19.07
5260	0	20.444	19.298	0.78	1.24	2.02	3.05	21.23	18.18	5.86	9.25	15.11	11.79	29.97	18.18
	4	18.024	17.041	0.83	1.33	2.16	3.34	20.81	17.47	6.18	9.95	16.13	12.08	29.97	17.89
	8	20.662	19.208	0.83	1.24	2.07	3.17	21.23	18.06	6.21	9.31	15.52	11.91	29.97	18.06
5300	0	20.445	19.191	0.90	1.18	2.08	3.17	21.23	18.06	6.70	8.83	15.53	11.91	29.97	18.06
	4	18.043	17.035	0.93	1.21	2.15	3.32	20.82	17.50	6.98	9.08	16.06	12.06	29.97	17.91
	8	20.327	19.221	0.94	1.20	2.14	3.31	21.23	17.92	7.05	8.99	16.04	12.05	29.97	17.92
5320	0	20.283	19.214	0.88	1.20	2.08	3.17	21.23	18.06	6.56	8.97	15.54	11.91	29.97	18.06
	4	18.038	17.010	0.90	1.20	2.10	3.22	20.82	17.60	6.75	8.97	15.72	11.96	29.97	18.01
	8	20.515	19.263	0.93	1.20	2.13	3.29	21.23	17.94	6.97	8.99	15.96	12.03	29.97	17.94

			Antenna 1						**Antenna 3**					
Tested Frequency	RU Index	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5180	0	0.00	-12.78	0.90	9.59	8.74	-2.29	6.45	-11.45	1.00	10.10	8.74	-0.35	8.39
	4	0.00	-12.70	0.90	9.59	8.74	-2.21	6.53	-11.49	1.00	10.10	8.74	-0.39	8.35
	8	0.00	-12.69	0.90	9.59	8.74	-2.20	6.54	-11.37	1.00	10.10	8.74	-0.27	8.47
5220	0	0.00	-12.86	0.90	9.59	8.74	-2.37	6.37	-11.24	1.00	10.10	8.74	-0.14	8.60
	4	0.00	-12.56	0.90	9.59	8.74	-2.07	6.67	-11.08	1.00	10.10	8.74	0.02	8.76
	8	0.00	-12.61	0.90	9.59	8.74	-2.12	6.62	-11.04	1.00	10.10	8.74	0.06	8.80
5240	0	0.00	-12.70	0.90	9.59	8.74	-2.21	6.53	-11.40	1.00	10.09	8.74	-0.31	8.43
	4	0.00	-12.36	0.90	9.59	8.74	-1.87	6.87	-11.16	1.00	10.09	8.74	-0.07	8.67
	8	0.00	-12.34	0.90	9.59	8.74	-1.85	6.89	-11.13	1.00	10.09	8.74	-0.04	8.70
5260	0	0.00	-11.55	0.90	9.59	8.74	-1.06	7.68	-10.17	1.00	10.09	8.74	0.92	9.66
	4	0.00	-11.32	0.90	9.59	8.74	-0.83	7.91	-9.85	1.00	10.09	8.74	1.24	9.98
	8	0.00	-11.30	0.90	9.59	8.74	-0.81	7.93	-10.14	1.00	10.09	8.74	0.95	9.69
5300	0	0.00	-10.97	0.90	9.59	8.74	-0.48	8.26	-10.37	1.00	10.09	8.74	0.72	9.46
	4	0.00	-10.79	0.90	9.59	8.74	-0.30	8.44	-10.25	1.00	10.09	8.74	0.84	9.58
	8	0.00	-10.75	0.90	9.59	8.74	-0.26	8.48	-10.29	1.00	10.09	8.74	0.80	9.54
5320	0	0.00	-11.06	0.90	9.59	8.74	-0.57	8.17	-10.30	1.00	10.09	8.74	0.79	9.53
	4	0.00	-10.94	0.90	9.59	8.74	-0.45	8.29	-10.30	1.00	10.09	8.74	0.79	9.53
	8	0.00	-10.80	0.90	9.59	8.74	-0.31	8.43	-10.29	1.00	10.09	8.74	0.80	9.54

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-20 OFDMA (26-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5500	0	20.655	19.225	1.00	0.95	1.95	2.89	21.23	18.34	7.46	7.10	14.56	11.63	29.97	18.34
	4	18.034	17.026	1.02	0.99	2.01	3.03	20.82	17.79	7.64	7.38	15.02	11.77	29.97	18.20
	8	20.845	19.353	1.03	1.00	2.03	3.08	21.23	18.15	7.71	7.48	15.19	11.82	29.97	18.15
5580	0	20.609	19.212	1.09	0.94	2.03	3.08	21.23	18.15	8.15	7.06	15.21	11.82	29.97	18.15
	4	17.991	17.012	1.10	0.98	2.08	3.17	20.81	17.64	8.22	7.31	15.53	11.91	29.97	18.06
	8	21.313	19.288	1.08	0.99	2.07	3.16	21.23	18.07	8.09	7.40	15.49	11.90	29.97	18.07
5700	0	20.703	19.225	0.90	1.11	2.01	3.03	21.23	18.20	6.70	8.34	15.04	11.77	29.97	18.20
	4	17.996	17.047	0.91	1.15	2.07	3.15	20.81	17.66	6.82	8.63	15.45	11.89	29.97	18.08
	8	20.778	19.209	0.90	1.13	2.03	3.08	21.23	18.15	6.76	8.45	15.21	11.82	29.97	18.15
5720	0	20.254	19.233	0.91	1.06	1.97	2.95	21.23	18.28	6.81	7.96	14.77	11.69	29.97	18.28
	4	18.010	17.047	0.89	1.09	1.98	2.96	20.81	17.85	6.64	8.15	14.78	11.70	29.97	18.27
	8	20.856	19.182	0.87	1.06	1.93	2.85	21.23	18.38	6.50	7.93	14.43	11.59	29.97	18.38
5745	0	-	19.196	0.98	1.17	2.15	3.32	27.26	23.94	7.31	8.75	16.06	12.06	36.00	23.94
	4	-	17.024	1.02	1.19	2.20	3.43	27.26	23.83	7.60	8.87	16.47	12.17	36.00	23.83
	8	-	19.151	0.99	1.17	2.16	3.35	27.26	23.91	7.41	8.77	16.18	12.09	36.00	23.91
5785	0	-	19.306	1.02	1.07	2.09	3.20	27.26	24.06	7.62	8.00	15.62	11.94	36.00	24.06
	4	-	17.036	1.01	1.10	2.11	3.25	27.26	24.01	7.59	8.22	15.81	11.99	36.00	24.01
	8	-	19.194	1.01	1.11	2.11	3.25	27.26	24.01	7.53	8.28	15.81	11.99	36.00	24.01
5825	0	-	19.181	1.02	1.10	2.12	3.26	27.26	24.00	7.60	8.26	15.86	12.00	36.00	24.00
	4	-	17.037	1.04	1.13	2.17	3.36	27.26	23.90	7.78	8.45	16.23	12.10	36.00	23.90
	8	-	19.213	1.02	1.13	2.14	3.31	27.26	23.95	7.60	8.43	16.04	12.05	36.00	23.95

			Antenna 1						**Antenna 3**					
Tested Frequency	RU Index	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
							Cond. Power	e.i.r.p.					Cond. Power	e.i.r.p.
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5500	0	0.00	-10.59	1.00	9.58	8.74	-0.01	8.73	-11.40	1.10	10.07	8.74	-0.23	8.51
	4	0.00	-10.49	1.00	9.58	8.74	0.09	8.83	-11.23	1.10	10.07	8.74	-0.06	8.68
	8	0.00	-10.45	1.00	9.58	8.74	0.13	8.87	-11.17	1.10	10.07	8.74	0.00	8.74
5580	0	0.00	-10.21	1.00	9.58	8.74	0.37	9.11	-11.42	1.10	10.07	8.74	-0.25	8.49
	4	0.00	-10.17	1.00	9.58	8.74	0.41	9.15	-11.27	1.10	10.07	8.74	-0.10	8.64
	8	0.00	-10.24	1.00	9.58	8.74	0.34	9.08	-11.22	1.10	10.07	8.74	-0.05	8.69
5700	0	0.00	-11.07	1.00	9.59	8.74	-0.48	8.26	-10.70	1.10	10.07	8.74	0.47	9.21
	4	0.00	-10.99	1.00	9.59	8.74	-0.40	8.34	-10.55	1.10	10.07	8.74	0.62	9.36
	8	0.00	-11.03	1.00	9.59	8.74	-0.44	8.30	-10.64	1.10	10.07	8.74	0.53	9.27
5720	0	0.00	-11.00	1.00	9.59	8.74	-0.41	8.33	-10.90	1.10	10.07	8.74	0.27	9.01
	4	0.00	-11.11	1.00	9.59	8.74	-0.52	8.22	-10.80	1.10	10.07	8.74	0.37	9.11
	8	0.00	-11.20	1.00	9.59	8.74	-0.61	8.13	-10.92	1.10	10.07	8.74	0.25	8.99
5745	0	0.00	-10.69	1.00	9.59	8.74	-0.10	8.64	-10.49	1.10	10.07	8.74	0.68	9.42
	4	0.00	-10.52	1.00	9.59	8.74	0.07	8.81	-10.43	1.10	10.07	8.74	0.74	9.48
	8	0.00	-10.63	1.00	9.59	8.74	-0.04	8.70	-10.48	1.10	10.07	8.74	0.69	9.43
5785	0	0.00	-10.51	1.00	9.59	8.74	0.08	8.82	-10.88	1.10	10.07	8.74	0.29	9.03
	4	0.00	-10.53	1.00	9.59	8.74	0.06	8.80	-10.76	1.10	10.07	8.74	0.41	9.15
	8	0.00	-10.56	1.00	9.59	8.74	0.03	8.77	-10.73	1.10	10.07	8.74	0.44	9.18
5825	0	0.00	-10.53	1.00	9.60	8.74	0.07	8.81	-10.75	1.10	10.08	8.74	0.43	9.17
	4	0.00	-10.43	1.00	9.60	8.74	0.17	8.91	-10.65	1.10	10.08	8.74	0.53	9.27
	8	0.00	-10.53	1.00	9.60	8.74	0.07	8.81	-10.66	1.10	10.08	8.74	0.52	9.26

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-20 OFDMA (52-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5180	37	-	18.678	1.17	1.98	3.15	4.99	21.23	16.24	8.77	14.83	23.60	13.73	29.97	16.24
	38	-	17.072	1.25	2.04	3.28	5.16	21.23	16.07	9.33	15.24	24.57	13.90	29.97	16.07
	40	-	18.780	1.26	2.12	3.38	5.29	21.23	15.94	9.42	15.85	25.27	14.03	29.97	15.94
5220	37	-	18.856	1.31	2.09	3.40	5.31	21.23	15.92	9.77	15.63	25.40	14.05	29.97	15.92
	38	-	17.077	1.34	2.10	3.44	5.37	21.23	15.86	10.02	15.74	25.76	14.11	29.97	15.86
	40	-	18.775	1.36	2.09	3.45	5.38	21.23	15.85	10.19	15.63	25.82	14.12	29.97	15.85
5240	37	-	18.061	1.28	2.14	3.43	5.35	21.23	15.88	9.59	16.03	25.63	14.09	29.97	15.88
	38	-	16.885	1.29	2.11	3.39	5.31	21.23	15.92	9.62	15.78	25.39	14.05	29.97	15.92
	40	-	18.027	1.33	2.21	3.54	5.49	21.23	15.74	9.93	16.56	26.49	14.23	29.97	15.74
5260	37	20.789	18.793	1.56	2.77	4.33	6.37	21.23	14.86	11.67	20.75	32.42	15.11	29.97	14.86
	38	18.160	17.085	1.64	2.86	4.50	6.53	20.85	14.32	12.27	21.38	33.65	15.27	29.97	14.70
	40	20.989	18.751	1.63	2.87	4.50	6.53	21.23	14.70	12.19	21.48	33.67	15.27	29.97	14.70
5300	37	21.343	18.843	1.91	2.72	4.63	6.65	21.23	14.58	14.26	20.37	34.63	15.39	29.97	14.58
	38	18.179	17.089	1.95	2.79	4.74	6.76	20.85	14.09	14.62	20.84	35.47	15.50	29.97	14.47
	40	20.698	18.783	2.00	2.72	4.72	6.74	21.23	14.49	15.00	20.32	35.32	15.48	29.97	14.49
5320	37	20.796	18.718	1.85	2.43	4.27	6.31	21.23	14.92	13.80	18.16	31.96	15.05	29.97	14.92
	38	18.226	17.082	1.90	2.49	4.40	6.43	20.86	14.43	14.22	18.66	32.89	15.17	29.97	14.80
	40	20.768	18.817	1.95	2.43	4.39	6.42	21.23	14.81	14.62	18.20	32.82	15.16	29.97	14.81

			Antenna 1						**Antenna 3**					
Tested Frequency	RU Index	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
							Cond. Power	e.i.r.p.					Cond. Power	e.i.r.p.
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5180	37	0.00	-9.80	0.90	9.59	8.74	0.69	9.43	-8.13	1.00	10.10	8.74	2.97	11.71
	38	0.00	-9.53	0.90	9.59	8.74	0.96	9.70	-8.01	1.00	10.10	8.74	3.09	11.83
	40	0.00	-9.49	0.90	9.59	8.74	1.00	9.74	-7.84	1.00	10.10	8.74	3.26	12.00
5220	37	0.00	-9.33	0.90	9.59	8.74	1.16	9.90	-7.90	1.00	10.10	8.74	3.20	11.94
	38	0.00	-9.22	0.90	9.59	8.74	1.27	10.01	-7.87	1.00	10.10	8.74	3.23	11.97
	40	0.00	-9.15	0.90	9.59	8.74	1.34	10.08	-7.90	1.00	10.10	8.74	3.20	11.94
5240	37	0.00	-9.41	0.90	9.59	8.74	1.08	9.82	-7.78	1.00	10.09	8.74	3.31	12.05
	38	0.00	-9.40	0.90	9.59	8.74	1.09	9.83	-7.85	1.00	10.09	8.74	3.24	11.98
	40	0.00	-9.26	0.90	9.59	8.74	1.23	9.97	-7.64	1.00	10.09	8.74	3.45	12.19
5260	37	0.00	-8.56	0.90	9.59	8.74	1.93	10.67	-6.66	1.00	10.09	8.74	4.43	13.17
	38	0.00	-8.34	0.90	9.59	8.74	2.15	10.89	-6.53	1.00	10.09	8.74	4.56	13.30
	40	0.00	-8.37	0.90	9.59	8.74	2.12	10.86	-6.51	1.00	10.09	8.74	4.58	13.32
5300	37	0.00	-7.69	0.90	9.59	8.74	2.80	11.54	-6.74	1.00	10.09	8.74	4.35	13.09
	38	0.00	-7.58	0.90	9.59	8.74	2.91	11.65	-6.64	1.00	10.09	8.74	4.45	13.19
	40	0.00	-7.47	0.90	9.59	8.74	3.02	11.76	-6.75	1.00	10.09	8.74	4.34	13.08
5320	37	0.00	-7.83	0.90	9.59	8.74	2.66	11.40	-7.24	1.00	10.09	8.74	3.85	12.59
	38	0.00	-7.70	0.90	9.59	8.74	2.79	11.53	-7.12	1.00	10.09	8.74	3.97	12.71
	40	0.00	-7.58	0.90	9.59	8.74	2.91	11.65	-7.23	1.00	10.09	8.74	3.86	12.60

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-20 OFDMA (52-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5500	37	21.402	18.721	2.05	2.02	4.07	6.10	21.23	15.13	15.35	15.14	30.48	14.84	29.97	15.13
	38	18.177	17.090	2.14	2.05	4.19	6.22	20.85	14.63	16.00	15.35	31.34	14.96	29.97	15.01
	40	21.356	18.761	2.15	2.07	4.22	6.26	21.23	14.97	16.11	15.49	31.59	15.00	29.97	14.97
5580	37	21.117	18.885	2.11	2.00	4.11	6.14	21.23	15.09	15.81	14.96	30.77	14.88	29.97	15.09
	38	18.195	17.091	2.09	2.00	4.09	6.12	20.85	14.73	15.63	14.96	30.59	14.86	29.97	15.11
	40	22.096	18.765	2.05	1.97	4.02	6.05	21.23	15.18	15.35	14.76	30.10	14.79	29.97	15.18
5700	37	20.749	18.839	1.77	2.20	3.98	6.00	21.23	15.23	13.27	16.48	29.76	14.74	29.97	15.23
	38	18.206	17.076	1.76	2.24	4.00	6.02	20.86	14.84	13.15	16.75	29.90	14.76	29.97	15.21
	40	20.906	18.798	1.80	2.20	4.00	6.02	21.23	15.21	13.46	16.44	29.90	14.76	29.97	15.21
5720	37	20.745	18.714	1.87	2.22	4.09	6.12	21.23	15.11	14.00	16.60	30.59	14.86	29.97	15.11
	38	18.257	17.094	1.91	2.21	4.12	6.15	20.87	14.72	14.29	16.56	30.85	14.89	29.97	15.08
	40	21.915	18.737	1.92	2.25	4.17	6.20	21.23	15.03	14.39	16.83	31.21	14.94	29.97	15.03
5745	37	-	18.805	1.88	2.43	4.32	6.35	27.26	20.91	14.09	18.20	32.29	15.09	36.00	20.91
	38	-	17.096	1.93	2.40	4.33	6.37	27.26	20.89	14.45	17.95	32.40	15.11	36.00	20.89
	40	-	18.785	1.90	2.39	4.29	6.32	27.26	20.94	14.22	17.86	32.09	15.06	36.00	20.94
5785	37	-	18.689	1.94	2.07	4.01	6.03	27.26	21.23	14.49	15.52	30.01	14.77	36.00	21.23
	38	-	17.086	1.95	2.17	4.13	6.16	27.26	21.10	14.62	16.26	30.88	14.90	36.00	21.10
	40	-	18.789	1.94	2.14	4.07	6.10	27.26	21.16	14.49	16.00	30.48	14.84	36.00	21.16
5825	37	-	18.733	2.20	2.21	4.42	6.45	27.26	20.81	16.48	16.56	33.04	15.19	36.00	20.81
	38	-	17.097	2.25	2.28	4.53	6.56	27.26	20.70	16.83	17.06	33.89	15.30	36.00	20.70
	40	-	18.763	2.25	2.19	4.44	6.48	27.26	20.78	16.87	16.37	33.23	15.22	36.00	20.78

			Antenna 1						**Antenna 3**					
Tested Frequency	RU Index	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
							Cond. Power	e.i.r.p.					Cond. Power	e.i.r.p.
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5500	37	0.00	-7.46	1.00	9.58	8.74	3.12	11.86	-8.11	1.10	10.07	8.74	3.06	11.80
	38	0.00	-7.28	1.00	9.58	8.74	3.30	12.04	-8.05	1.10	10.07	8.74	3.12	11.86
	40	0.00	-7.25	1.00	9.58	8.74	3.33	12.07	-8.01	1.10	10.07	8.74	3.16	11.90
5580	37	0.00	-7.33	1.00	9.58	8.74	3.25	11.99	-8.16	1.10	10.07	8.74	3.01	11.75
	38	0.00	-7.38	1.00	9.58	8.74	3.20	11.94	-8.16	1.10	10.07	8.74	3.01	11.75
	40	0.00	-7.46	1.00	9.58	8.74	3.12	11.86	-8.22	1.10	10.07	8.74	2.95	11.69
5700	37	0.00	-8.10	1.00	9.59	8.74	2.49	11.23	-7.74	1.10	10.07	8.74	3.43	12.17
	38	0.00	-8.14	1.00	9.59	8.74	2.45	11.19	-7.67	1.10	10.07	8.74	3.50	12.24
	40	0.00	-8.04	1.00	9.59	8.74	2.55	11.29	-7.75	1.10	10.07	8.74	3.42	12.16
5720	37	0.00	-7.87	1.00	9.59	8.74	2.72	11.46	-7.71	1.10	10.07	8.74	3.46	12.20
	38	0.00	-7.78	1.00	9.59	8.74	2.81	11.55	-7.72	1.10	10.07	8.74	3.45	12.19
	40	0.00	-7.75	1.00	9.59	8.74	2.84	11.58	-7.65	1.10	10.07	8.74	3.52	12.26
5745	37	0.00	-7.84	1.00	9.59	8.74	2.75	11.49	-7.31	1.10	10.07	8.74	3.86	12.60
	38	0.00	-7.73	1.00	9.59	8.74	2.86	11.60	-7.37	1.10	10.07	8.74	3.80	12.54
	40	0.00	-7.80	1.00	9.59	8.74	2.79	11.53	-7.39	1.10	10.07	8.74	3.78	12.52
5785	37	0.00	-7.72	1.00	9.59	8.74	2.87	11.61	-8.00	1.10	10.07	8.74	3.17	11.91
	38	0.00	-7.68	1.00	9.59	8.74	2.91	11.65	-7.80	1.10	10.07	8.74	3.37	12.11
	40	0.00	-7.72	1.00	9.59	8.74	2.87	11.61	-7.87	1.10	10.07	8.74	3.30	12.04
5825	37	0.00	-7.17	1.00	9.60	8.74	3.43	12.17	-7.73	1.10	10.08	8.74	3.45	12.19
	38	0.00	-7.08	1.00	9.60	8.74	3.52	12.26	-7.60	1.10	10.08	8.74	3.58	12.32
	40	0.00	-7.07	1.00	9.60	8.74	3.53	12.27	-7.78	1.10	10.08	8.74	3.40	12.14

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-20 OFDMA (106-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power Antenna 1	Conducted power Antenna 3	Conducted power Sum	Result	Limit	Margin	e.i.r.p. Antenna 1	e.i.r.p. Antenna 3	e.i.r.p. Sum	Result	Limit	Margin
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5180	53	-	18.492	2.57	4.09	6.66	8.24	21.23	12.99	19.23	30.62	49.85	16.98	29.97	12.99
	54	-	18.531	2.61	4.26	6.86	8.36	21.23	12.87	19.50	31.84	51.34	17.10	29.97	12.87
5220	53	-	18.484	2.50	4.01	6.51	8.14	21.23	13.09	18.71	29.99	48.70	16.88	29.97	13.09
	54	-	18.439	2.59	4.04	6.63	8.22	21.23	13.01	19.41	30.20	49.61	16.96	29.97	13.01
5240	53	-	17.995	2.57	4.82	7.39	8.69	21.23	12.54	19.23	36.06	55.29	17.43	29.97	12.54
	54	-	17.956	2.72	4.98	7.69	8.86	21.23	12.37	20.32	37.24	57.56	17.60	29.97	12.37
5260	53	21.630	18.539	3.44	5.90	9.35	9.71	21.23	11.52	25.76	44.16	69.92	18.45	29.97	11.52
	54	22.061	18.508	3.61	5.89	9.50	9.78	21.23	11.45	27.04	44.06	71.10	18.52	29.97	11.45
5300	53	21.273	18.509	3.75	5.28	9.03	9.56	21.23	11.67	28.05	39.54	67.59	18.30	29.97	11.67
	54	21.613	18.510	3.83	5.31	9.14	9.61	21.23	11.62	28.64	39.72	68.36	18.35	29.97	11.62
5320	53	22.156	18.565	3.72	4.99	8.71	9.40	21.23	11.83	27.86	37.33	65.19	18.14	29.97	11.83
	54	21.195	18.450	3.85	5.07	8.92	9.51	21.23	11.72	28.84	37.93	66.77	18.25	29.97	11.72

			Antenna 1						**Antenna 3**					
Tested Frequency	RU Index	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5180	53	0.00	-6.39	0.90	9.59	8.74	4.10	12.84	-4.98	1.00	10.10	8.74	6.12	14.86
	54	0.00	-6.33	0.90	9.59	8.74	4.16	12.90	-4.81	1.00	10.10	8.74	6.29	15.03
5220	53	0.00	-6.51	0.90	9.59	8.74	3.98	12.72	-5.07	1.00	10.10	8.74	6.03	14.77
	54	0.00	-6.35	0.90	9.59	8.74	4.14	12.88	-5.04	1.00	10.10	8.74	6.06	14.80
5240	53	0.00	-6.39	0.90	9.59	8.74	4.10	12.84	-4.26	1.00	10.09	8.74	6.83	15.57
	54	0.00	-6.15	0.90	9.59	8.74	4.34	13.08	-4.12	1.00	10.09	8.74	6.97	15.71
5260	53	0.00	-5.12	0.90	9.59	8.74	5.37	14.11	-3.38	1.00	10.09	8.74	7.71	16.45
	54	0.00	-4.91	0.90	9.59	8.74	5.58	14.32	-3.39	1.00	10.09	8.74	7.70	16.44
5300	53	0.00	-4.75	0.90	9.59	8.74	5.74	14.48	-3.86	1.00	10.09	8.74	7.23	15.97
	54	0.00	-4.66	0.90	9.59	8.74	5.83	14.57	-3.84	1.00	10.09	8.74	7.25	15.99
5320	53	0.00	-4.78	0.90	9.59	8.74	5.71	14.45	-4.11	1.00	10.09	8.74	6.98	15.72
	54	0.00	-4.63	0.90	9.59	8.74	5.86	14.60	-4.04	1.00	10.09	8.74	7.05	15.79

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-20 OFDMA (106-tone RU)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power Antenna 1	Antenna 3	Sum	Result	Limit	Margin	e.i.r.p. Antenna 1	Antenna 3	Sum	Result	Limit	Margin
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5500	53	20.893	18.447	4.06	4.23	8.28	9.18	21.23	12.05	30.34	31.62	61.96	17.92	29.97	12.05
	54	21.289	18.531	4.15	4.32	8.46	9.28	21.23	11.95	31.05	32.28	63.33	18.02	29.97	11.95
5580	53	21.523	18.485	4.51	4.02	8.53	9.31	21.23	11.92	33.73	30.06	63.79	18.05	29.97	11.92
	54	22.484	18.551	4.49	4.20	8.69	9.39	21.23	11.84	33.57	31.41	64.98	18.13	29.97	11.84
5700	53	22.127	18.429	3.66	4.53	8.19	9.13	21.23	12.10	27.42	33.88	61.30	17.87	29.97	12.10
	54	22.013	18.522	3.66	4.53	8.19	9.13	21.23	12.10	27.42	33.88	61.30	17.87	29.97	12.10
5720	53	21.431	18.521	3.67	4.41	8.08	9.07	21.23	12.16	27.48	32.96	60.44	17.81	29.97	12.16
	54	21.993	18.490	3.72	4.50	8.21	9.15	21.23	12.08	27.80	33.65	61.45	17.89	29.97	12.08
5745	53	-	18.467	4.27	4.38	8.64	9.37	27.26	17.89	31.92	32.73	64.65	18.11	36.00	17.89
	54	-	18.504	4.20	4.50	8.70	9.39	27.26	17.87	31.41	33.65	65.06	18.13	36.00	17.87
5785	53	-	18.514	3.98	4.62	8.60	9.35	27.26	17.91	29.79	34.59	64.38	18.09	36.00	17.91
	54	-	18.572	4.12	4.61	8.73	9.41	27.26	17.85	30.83	34.51	65.35	18.15	36.00	17.85
5825	53	-	18.557	4.17	4.76	8.93	9.51	27.26	17.75	31.19	35.65	66.83	18.25	36.00	17.75
	54	-	18.496	4.25	4.83	9.08	9.58	27.26	17.68	31.77	36.14	67.91	18.32	36.00	17.68

			Antenna 1						**Antenna 3**					
Tested Frequency	RU Index	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5500	53	0.00	-4.50	1.00	9.58	8.74	6.08	14.82	-4.91	1.10	10.07	8.74	6.26	15.00
	54	0.00	-4.40	1.00	9.58	8.74	6.18	14.92	-4.82	1.10	10.07	8.74	6.35	15.09
5580	53	0.00	-4.04	1.00	9.58	8.74	6.54	15.28	-5.13	1.10	10.07	8.74	6.04	14.78
	54	0.00	-4.06	1.00	9.58	8.74	6.52	15.26	-4.94	1.10	10.07	8.74	6.23	14.97
5700	53	0.00	-4.95	1.00	9.59	8.74	5.64	14.38	-4.61	1.10	10.07	8.74	6.56	15.30
	54	0.00	-4.95	1.00	9.59	8.74	5.64	14.38	-4.61	1.10	10.07	8.74	6.56	15.30
5720	53	0.00	-4.94	1.00	9.59	8.74	5.65	14.39	-4.73	1.10	10.07	8.74	6.44	15.18
	54	0.00	-4.89	1.00	9.59	8.74	5.70	14.44	-4.64	1.10	10.07	8.74	6.53	15.27
5745	53	0.00	-4.29	1.00	9.59	8.74	6.30	15.04	-4.76	1.10	10.07	8.74	6.41	15.15
	54	0.00	-4.36	1.00	9.59	8.74	6.23	14.97	-4.64	1.10	10.07	8.74	6.53	15.27
5785	53	0.00	-4.59	1.00	9.59	8.74	6.00	14.74	-4.52	1.10	10.07	8.74	6.65	15.39
	54	0.00	-4.44	1.00	9.59	8.74	6.15	14.89	-4.53	1.10	10.07	8.74	6.64	15.38
5825	53	0.00	-4.40	1.00	9.60	8.74	6.20	14.94	-4.40	1.10	10.08	8.74	6.78	15.52
	54	0.00	-4.32	1.00	9.60	8.74	6.28	15.02	-4.34	1.10	10.08	8.74	6.84	15.58

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-20 OFDMA (242-tone RU)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power Antenna 1	Antenna 3	Sum	Result	Limit	Margin	e.i.r.p. Antenna 1	Antenna 3	Sum	Result	Limit	Margin
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5180	61	-	19.303	4.52	7.18	11.70	10.68	21.23	10.55	33.81	53.70	87.51	19.42	29.97	10.55
5220	61	-	19.216	4.67	7.33	11.99	10.79	21.23	10.44	34.91	54.83	89.74	19.53	29.97	10.44
5240	61	-	18.790	4.76	7.45	12.21	10.87	21.23	10.36	35.65	55.72	91.36	19.61	29.97	10.36
5260	61	24.511	19.290	7.03	10.67	17.70	12.48	21.23	8.75	52.60	79.80	132.40	21.22	29.97	8.75
5300	61	24.073	19.296	7.26	9.66	16.92	12.28	21.23	8.95	54.33	72.28	126.60	21.02	29.97	8.95
5320	61	24.032	19.268	7.60	9.66	17.26	12.37	21.23	8.86	56.89	72.28	129.16	21.11	29.97	8.86
5500	61	24.436	19.227	8.55	7.93	16.48	12.17	21.23	9.06	63.97	59.29	123.27	20.91	29.97	9.06
5580	61	24.407	19.249	8.85	7.80	16.65	12.21	21.23	9.02	66.22	58.34	124.57	20.95	29.97	9.02
5700	61	24.768	19.254	7.93	9.08	17.00	12.31	21.23	8.92	59.29	67.92	127.21	21.05	29.97	8.92
5720	61	24.061	19.311	7.96	8.97	16.94	12.29	21.23	8.94	59.57	67.14	126.71	21.03	29.97	8.94
5745	61	-	19.336	8.32	8.79	17.11	12.33	27.26	14.93	62.23	65.77	128.00	21.07	36.00	14.93
5785	61	-	19.329	8.51	8.83	17.34	12.39	27.26	14.87	63.68	66.07	129.75	21.13	36.00	14.87
5825	61	-	19.323	8.77	9.04	17.81	12.51	27.26	14.75	65.61	67.61	133.22	21.25	36.00	14.75

			Antenna 1						**Antenna 3**					
Tested Frequency	RU Index	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5180	61	0.00	-3.94	0.90	9.59	8.74	6.55	15.29	-2.54	1.00	10.10	8.74	8.56	17.30
5220	61	0.00	-3.80	0.90	9.59	8.74	6.69	15.43	-2.45	1.00	10.10	8.74	8.65	17.39
5240	61	0.00	-3.71	0.90	9.59	8.74	6.78	15.52	-2.37	1.00	10.09	8.74	8.72	17.46
5260	61	0.00	-2.02	0.90	9.59	8.74	8.47	17.21	-0.81	1.00	10.09	8.74	10.28	19.02
5300	61	0.00	-1.88	0.90	9.59	8.74	8.61	17.35	-1.24	1.00	10.09	8.74	9.85	18.59
5320	61	0.00	-1.68	0.90	9.59	8.74	8.81	17.55	-1.24	1.00	10.09	8.74	9.85	18.59
5500	61	0.00	-1.26	1.00	9.58	8.74	9.32	18.06	-2.18	1.10	10.07	8.74	8.99	17.73
5580	61	0.00	-1.11	1.00	9.58	8.74	9.47	18.21	-2.25	1.10	10.07	8.74	8.92	17.66
5700	61	0.00	-1.60	1.00	9.59	8.74	8.99	17.73	-1.59	1.10	10.07	8.74	9.58	18.32
5720	61	0.00	-1.58	1.00	9.59	8.74	9.01	17.75	-1.64	1.10	10.07	8.74	9.53	18.27
5745	61	0.00	-1.39	1.00	9.59	8.74	9.20	17.94	-1.73	1.10	10.07	8.74	9.44	18.18
5785	61	0.00	-1.29	1.00	9.59	8.74	9.30	18.04	-1.71	1.10	10.07	8.74	9.46	18.20
5825	61	0.00	-1.17	1.00	9.60	8.74	9.43	18.17	-1.62	1.10	10.08	8.74	9.56	18.30

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11n-40

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested	26 dB	99%	Conducted power						e.i.r.p.					
Frequency	EBW	OBW	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	(B for FCC)	(B for IC)	1	3	Sum				1	3	Sum			
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5190	-	35.980	3.94	7.21	11.16	10.47	21.23	10.76	29.51	53.95	83.46	19.21	29.97	10.76
5230	-	36.004	4.14	7.29	11.43	10.58	21.23	10.65	30.97	54.58	85.55	19.32	29.97	10.65
5270	38.853	35.848	6.32	10.74	17.06	12.32	21.23	8.91	47.32	80.35	127.67	21.06	29.97	8.91
5310	39.079	35.996	6.62	9.86	16.48	12.17	21.23	9.06	49.55	73.79	123.34	20.91	29.97	9.06
5510	38.990	35.941	7.89	8.02	15.91	12.02	21.23	9.21	59.02	59.98	119.00	20.76	29.97	9.21
5550	39.187	36.045	7.76	8.11	15.87	12.01	21.23	9.22	58.08	60.67	118.75	20.75	29.97	9.22
5670	39.215	36.014	7.01	9.98	16.99	12.30	21.23	8.93	52.48	74.64	127.13	21.04	29.97	8.93
5710	39.083	36.029	7.10	9.14	16.24	12.11	21.23	9.12	53.09	68.39	121.48	20.85	29.97	9.12
5755	-	35.973	7.57	9.18	16.75	12.24	27.26	15.02	56.62	68.71	125.33	20.98	36.00	15.02
5795	-	35.958	7.94	8.95	16.90	12.28	27.26	14.98	59.43	66.99	126.42	21.02	36.00	14.98

		Antenna 1						**Antenna 3**					
Tested	Duty	Power	Cable	Atten.	Antenna	Result		Power	Cable	Atten.	Antenna	Result	
Frequency	Factor	Meter	Loss	Loss	Gain	Cond.	e.i.r.p.	Meter	Loss	Loss	Gain	Cond.	e.i.r.p.
		Reading				Power		Reading				Power	
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5190	0.00	-4.53	0.90	9.59	8.74	5.96	14.70	-2.52	1.00	10.10	8.74	8.58	17.32
5230	0.00	-4.32	0.90	9.59	8.74	6.17	14.91	-2.47	1.00	10.10	8.74	8.63	17.37
5270	0.00	-2.48	0.90	9.59	8.74	8.01	16.75	-0.78	1.00	10.09	8.74	10.31	19.05
5310	0.00	-2.28	0.90	9.59	8.74	8.21	16.95	-1.15	1.00	10.09	8.74	9.94	18.68
5510	0.00	-1.61	1.00	9.58	8.74	8.97	17.71	-2.13	1.10	10.07	8.74	9.04	17.78
5550	0.00	-1.68	1.00	9.58	8.74	8.90	17.64	-2.08	1.10	10.07	8.74	9.09	17.83
5670	0.00	-2.13	1.00	9.59	8.74	8.46	17.20	-1.18	1.10	10.07	8.74	9.99	18.73
5710	0.00	-2.08	1.00	9.59	8.74	8.51	17.25	-1.56	1.10	10.07	8.74	9.61	18.35
5755	0.00	-1.80	1.00	9.59	8.74	8.79	17.53	-1.54	1.10	10.07	8.74	9.63	18.37
5795	0.00	-1.60	1.00	9.60	8.74	9.00	17.74	-1.65	1.10	10.07	8.74	9.52	18.26

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ac-40

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested	26 dB	99%	Conducted power						e.i.r.p.					
Frequency	EBW	OBW	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	(B for FCC)	(B for IC)	1	3	Sum				1	3	Sum			
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5190	-	36.025	4.14	7.60	11.74	10.70	21.23	10.53	30.97	56.89	87.86	19.44	29.97	10.53
5230	-	35.986	4.42	7.76	12.18	10.86	21.23	10.37	33.04	58.08	91.11	19.60	29.97	10.37
5270	38.880	36.035	6.58	10.76	17.34	12.39	21.23	8.84	49.20	80.54	129.74	21.13	29.97	8.84
5310	39.168	35.953	6.85	9.93	16.79	12.25	21.23	8.98	51.29	74.30	125.59	20.99	29.97	8.98
5510	39.141	36.017	8.00	8.07	16.07	12.06	21.23	9.17	59.84	60.39	120.24	20.80	29.97	9.17
5550	39.087	35.968	7.73	8.18	15.91	12.02	21.23	9.21	57.81	61.24	119.04	20.76	29.97	9.21
5670	39.096	37.452	6.95	10.07	17.02	12.31	21.23	8.92	52.00	75.34	127.34	21.05	29.97	8.92
5710	38.890	35.954	7.19	9.29	16.48	12.17	21.23	9.06	53.83	69.50	123.33	20.91	29.97	9.06
5755	-	36.016	7.71	9.06	16.77	12.24	27.26	15.02	57.68	67.76	125.44	20.98	36.00	15.02
5795	-	35.971	7.87	9.06	16.93	12.29	27.26	14.97	58.88	67.76	126.65	21.03	36.00	14.97

		Antenna 1						**Antenna 3**					
Tested	Duty	Power	Cable	Atten.	Antenna	Result		Power	Cable	Atten.	Antenna	Result	
Frequency	Factor	Meter	Loss	Loss	Gain	Cond.	e.i.r.p.	Meter	Loss	Loss	Gain	Cond.	e.i.r.p.
		Reading				Power		Reading				Power	
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5190	0.00	-4.32	0.90	9.59	8.74	6.17	14.91	-2.29	1.00	10.10	8.74	8.81	17.55
5230	0.00	-4.04	0.90	9.59	8.74	6.45	15.19	-2.20	1.00	10.10	8.74	8.90	17.64
5270	0.00	-2.31	0.90	9.59	8.74	8.18	16.92	-0.77	1.00	10.09	8.74	10.32	19.06
5310	0.00	-2.13	0.90	9.59	8.74	8.36	17.10	-1.12	1.00	10.09	8.74	9.97	18.71
5510	0.00	-1.55	1.00	9.58	8.74	9.03	17.77	-2.10	1.10	10.07	8.74	9.07	17.81
5550	0.00	-1.70	1.00	9.58	8.74	8.88	17.62	-2.04	1.10	10.07	8.74	9.13	17.87
5670	0.00	-2.17	1.00	9.59	8.74	8.42	17.16	-1.14	1.10	10.07	8.74	10.03	18.77
5710	0.00	-2.02	1.00	9.59	8.74	8.57	17.31	-1.49	1.10	10.07	8.74	9.68	18.42
5755	0.00	-1.72	1.00	9.59	8.74	8.87	17.61	-1.60	1.10	10.07	8.74	9.57	18.31
5795	0.00	-1.64	1.00	9.60	8.74	8.96	17.70	-1.60	1.10	10.07	8.74	9.57	18.31

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-40 (OFDM)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested	26 dB	99%	Conducted power						e.i.r.p.					
Frequency	EBW	OBW	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	(B for FCC)	(B for IC)	1	3	Sum				1	3	Sum			
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5190	-	37.521	4.44	7.76	12.20	10.86	21.23	10.37	33.19	58.08	91.27	19.60	29.97	10.37
5230	-	37.521	4.71	7.67	12.38	10.93	21.23	10.30	35.24	57.41	92.65	19.67	29.97	10.30
5270	39.526	37.524	6.64	11.19	17.83	12.51	21.23	8.72	49.66	83.75	133.41	21.25	29.97	8.72
5310	39.479	37.484	7.10	10.19	17.28	12.38	21.23	8.85	53.09	76.21	129.30	21.12	29.97	8.85
5510	39.390	37.455	8.20	8.26	16.46	12.17	21.23	9.06	61.38	61.80	123.18	20.91	29.97	9.06
5550	39.447	37.572	8.17	8.57	16.74	12.24	21.23	8.99	61.09	64.12	125.22	20.98	29.97	8.99
5670	39.371	37.452	7.31	10.42	17.73	12.49	21.23	8.74	54.70	77.98	132.68	21.23	29.97	8.74
5710	39.323	37.461	7.33	9.48	16.81	12.26	21.23	8.97	54.83	70.96	125.79	21.00	29.97	8.97
5755	-	37.537	8.09	9.25	17.34	12.39	27.26	14.87	60.53	69.18	129.72	21.13	36.00	14.87
5795	-	37.532	8.17	9.51	17.67	12.47	27.26	14.79	61.09	71.12	132.22	21.21	36.00	14.79

		Antenna 1						**Antenna 3**					
Tested	Duty	Power	Cable	Atten.	Antenna	Result		Power	Cable	Atten.	Antenna	Result	
Frequency	Factor	Meter	Loss	Loss	Gain	Cond.	e.i.r.p.	Meter	Loss	Loss	Gain	Cond.	e.i.r.p.
		Reading				Power		Reading				Power	
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5190	0.00	-4.02	0.90	9.59	8.74	6.47	15.21	-2.20	1.00	10.10	8.74	8.90	17.64
5230	0.00	-3.76	0.90	9.59	8.74	6.73	15.47	-2.25	1.00	10.10	8.74	8.85	17.59
5270	0.00	-2.27	0.90	9.59	8.74	8.22	16.96	-0.60	1.00	10.09	8.74	10.49	19.23
5310	0.00	-1.98	0.90	9.59	8.74	8.51	17.25	-1.01	1.00	10.09	8.74	10.08	18.82
5510	0.00	-1.44	1.00	9.58	8.74	9.14	17.88	-2.00	1.10	10.07	8.74	9.17	17.91
5550	0.00	-1.46	1.00	9.58	8.74	9.12	17.86	-1.84	1.10	10.07	8.74	9.33	18.07
5670	0.00	-1.95	1.00	9.59	8.74	8.64	17.38	-0.99	1.10	10.07	8.74	10.18	18.92
5710	0.00	-1.94	1.00	9.59	8.74	8.65	17.39	-1.40	1.10	10.07	8.74	9.77	18.51
5755	0.00	-1.51	1.00	9.59	8.74	9.08	17.82	-1.51	1.10	10.07	8.74	9.66	18.40
5795	0.00	-1.48	1.00	9.60	8.74	9.12	17.86	-1.39	1.10	10.07	8.74	9.78	18.52

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	25 deg. C / 29 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-40 OFDMA (26-tone RU)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	e.i.r.p. Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5190	0	-	18.048	0.53	0.89	1.41	1.51	21.23	19.72	3.96	6.62	10.58	10.25	29.97	19.72
	8	-	22.044	0.60	0.98	1.58	1.99	21.23	19.24	4.51	7.33	11.84	10.73	29.97	19.24
	17	-	17.945	0.55	0.90	1.45	1.62	21.23	19.61	4.14	6.73	10.87	10.36	29.97	19.61
5230	0	-	18.022	0.54	0.93	1.48	1.69	21.23	19.54	4.06	6.98	11.04	10.43	29.97	19.54
	8	-	21.806	0.61	1.02	1.64	2.14	21.23	19.09	4.59	7.66	12.25	10.88	29.97	19.09
	17	-	17.980	0.55	0.95	1.51	1.78	21.23	19.45	4.15	7.11	11.26	10.52	29.97	19.45
5270	0	19.179	18.062	0.67	1.28	1.95	2.90	21.08	18.18	5.02	9.55	14.57	11.64	29.97	18.33
	8	22.781	21.908	0.77	1.44	2.21	3.45	21.23	17.78	5.79	10.76	16.56	12.19	29.97	17.78
	17	19.060	17.992	0.72	1.32	2.04	3.10	21.06	17.96	5.37	9.91	15.28	11.84	29.97	18.13
5310	0	19.142	18.057	0.72	1.09	1.81	2.58	21.07	18.49	5.42	8.13	13.55	11.32	29.97	18.65
	8	22.370	21.819	0.82	1.17	1.99	3.00	21.23	18.23	6.15	8.77	14.92	11.74	29.97	18.23
	17	19.084	18.017	0.76	1.07	1.84	2.64	21.06	18.42	5.71	8.02	13.73	11.38	29.97	18.59

			Antenna 1						**Antenna 3**					
Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]
5190	0	0.00	-13.25	0.90	9.59	8.74	-2.76	5.98	-11.63	1.00	10.10	8.74	-0.53	8.21
	8	0.00	-12.69	0.90	9.59	8.74	-2.20	6.54	-11.19	1.00	10.10	8.74	-0.09	8.65
	17	0.00	-13.06	0.90	9.59	8.74	-2.57	6.17	-11.56	1.00	10.10	8.74	-0.46	8.28
5230	0	0.00	-13.15	0.90	9.59	8.74	-2.66	6.08	-11.40	1.00	10.10	8.74	-0.30	8.44
	8	0.00	-12.61	0.90	9.59	8.74	-2.12	6.62	-11.00	1.00	10.10	8.74	0.10	8.84
	17	0.00	-13.05	0.90	9.59	8.74	-2.56	6.18	-11.32	1.00	10.10	8.74	-0.22	8.52
5270	0	0.00	-12.22	0.90	9.59	8.74	-1.73	7.01	-10.03	1.00	10.09	8.74	1.06	9.80
	8	0.00	-11.60	0.90	9.59	8.74	-1.11	7.63	-9.51	1.00	10.09	8.74	1.58	10.32
	17	0.00	-11.93	0.90	9.59	8.74	-1.44	7.30	-9.87	1.00	10.09	8.74	1.22	9.96
5310	0	0.00	-11.89	0.90	9.59	8.74	-1.40	7.34	-10.73	1.00	10.09	8.74	0.36	9.10
	8	0.00	-11.34	0.90	9.59	8.74	-0.85	7.89	-10.40	1.00	10.09	8.74	0.69	9.43
	17	0.00	-11.66	0.90	9.59	8.74	-1.17	7.57	-10.79	1.00	10.09	8.74	0.30	9.04

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	25 deg. C / 29 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-40 OFDMA (26-tone RU)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5510	0	19.164	18.009	0.90	0.91	1.81	2.57	21.08	18.51	6.75	6.78	13.52	11.31	29.97	18.66
	8	22.767	21.935	0.94	0.97	1.91	2.82	21.23	18.41	7.03	7.29	14.33	11.56	29.97	18.41
	17	19.123	17.952	0.86	0.89	1.75	2.44	21.07	18.63	6.46	6.67	13.12	11.18	29.97	18.79
5550	0	19.225	17.989	0.86	0.87	1.73	2.38	21.09	18.71	6.41	6.52	12.93	11.12	29.97	18.85
	8	22.509	21.972	0.94	0.98	1.92	2.84	21.23	18.39	7.01	7.36	14.38	11.58	29.97	18.39
	17	19.080	18.024	0.87	0.90	1.78	2.50	21.06	18.56	6.53	6.76	13.29	11.24	29.97	18.73
5670	0	19.206	18.025	0.75	1.15	1.91	2.80	21.09	18.29	5.64	8.63	14.27	11.54	29.97	18.43
	8	21.965	21.947	0.81	1.26	2.08	3.17	21.23	18.06	6.07	9.46	15.53	11.91	29.97	18.06
	17	19.086	17.993	0.75	1.16	1.92	2.83	21.06	18.23	5.64	8.71	14.35	11.57	29.97	18.40
5710	0	19.248	18.018	0.73	1.01	1.74	2.40	21.10	18.70	5.46	7.53	12.99	11.14	29.97	18.83
	8	22.228	21.793	0.78	1.11	1.89	2.76	21.23	18.47	5.83	8.30	14.13	11.50	29.97	18.47
	17	19.075	17.995	0.76	1.03	1.78	2.51	21.06	18.55	5.65	7.67	13.32	11.25	29.97	18.72
5755	0	-	17.999	0.85	1.13	1.98	2.96	27.26	24.30	6.34	8.45	14.79	11.70	36.00	24.30
	8	-	22.074	0.92	1.23	2.15	3.33	27.26	23.93	6.92	9.20	16.12	12.07	36.00	23.93
	17	-	17.962	0.83	1.12	1.96	2.92	27.26	24.34	6.24	8.41	14.65	11.66	36.00	24.34
5795	0	-	17.987	0.88	1.00	1.88	2.74	27.26	24.52	6.61	7.46	14.07	11.48	36.00	24.52
	8	-	21.717	0.92	1.11	2.03	3.08	27.26	24.18	6.89	8.32	15.20	11.82	36.00	24.18
	17	-	17.968	0.85	0.99	1.84	2.65	27.26	24.61	6.37	7.41	13.78	11.39	36.00	24.61

			Antenna 1						**Antenna 3**					
Tested Frequency	RU Index	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
							Cond. Power	e.i.r.p.					Cond. Power	e.i.r.p.
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5510	0	0.00	-11.03	1.00	9.58	8.74	-0.45	8.29	-11.60	1.10	10.07	8.74	-0.43	8.31
	8	0.00	-10.85	1.00	9.58	8.74	-0.27	8.47	-11.28	1.10	10.07	8.74	-0.11	8.63
	17	0.00	-11.22	1.00	9.58	8.74	-0.64	8.10	-11.67	1.10	10.07	8.74	-0.50	8.24
5550	0	0.00	-11.25	1.00	9.58	8.74	-0.67	8.07	-11.77	1.10	10.07	8.74	-0.60	8.14
	8	0.00	-10.86	1.00	9.58	8.74	-0.28	8.46	-11.24	1.10	10.07	8.74	-0.07	8.67
	17	0.00	-11.17	1.00	9.58	8.74	-0.59	8.15	-11.61	1.10	10.07	8.74	-0.44	8.30
5670	0	0.00	-11.82	1.00	9.59	8.74	-1.23	7.51	-10.55	1.10	10.07	8.74	0.62	9.36
	8	0.00	-11.50	1.00	9.59	8.74	-0.91	7.83	-10.15	1.10	10.07	8.74	1.02	9.76
	17	0.00	-11.82	1.00	9.59	8.74	-1.23	7.51	-10.51	1.10	10.07	8.74	0.66	9.40
5710	0	0.00	-11.96	1.00	9.59	8.74	-1.37	7.37	-11.14	1.10	10.07	8.74	0.03	8.77
	8	0.00	-11.67	1.00	9.59	8.74	-1.08	7.66	-10.72	1.10	10.07	8.74	0.45	9.19
	17	0.00	-11.81	1.00	9.59	8.74	-1.22	7.52	-11.06	1.10	10.07	8.74	0.11	8.85
5755	0	0.00	-11.31	1.00	9.59	8.74	-0.72	8.02	-10.64	1.10	10.07	8.74	0.53	9.27
	8	0.00	-10.93	1.00	9.59	8.74	-0.34	8.40	-10.27	1.10	10.07	8.74	0.90	9.64
	17	0.00	-11.38	1.00	9.59	8.74	-0.79	7.95	-10.66	1.10	10.07	8.74	0.51	9.25
5795	0	0.00	-11.14	1.00	9.60	8.74	-0.54	8.20	-11.18	1.10	10.07	8.74	-0.01	8.73
	8	0.00	-10.96	1.00	9.60	8.74	-0.36	8.38	-10.71	1.10	10.07	8.74	0.46	9.20
	17	0.00	-11.30	1.00	9.60	8.74	-0.70	8.04	-11.21	1.10	10.07	8.74	-0.04	8.70

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	25 deg. C / 29 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-40 OFDMA (52-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	e.i.r.p. Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5190	37	-	17.903	1.00	1.83	2.83	4.52	21.23	16.71	7.52	13.68	21.19	13.26	29.97	16.71
	40	-	21.560	1.16	2.06	3.22	5.08	21.23	16.15	8.71	15.42	24.13	13.82	29.97	16.15
	44	-	17.849	1.04	1.95	2.99	4.76	21.23	16.47	7.80	14.59	22.39	13.50	29.97	16.47
5230	37	-	17.997	1.15	2.04	3.19	5.04	21.23	16.19	8.59	15.28	23.87	13.78	29.97	16.19
	40	-	21.748	1.21	2.17	3.39	5.30	21.23	15.93	9.08	16.26	25.33	14.04	29.97	15.93
	44	-	17.845	1.15	2.00	3.14	4.97	21.23	16.26	8.57	14.93	23.50	13.71	29.97	16.26
5270	37	19.440	17.955	1.46	2.72	4.18	6.21	21.14	14.93	10.91	20.32	31.24	14.95	29.97	15.02
	40	23.348	21.685	1.66	3.00	4.66	6.68	21.23	14.55	12.42	22.44	34.86	15.42	29.97	14.55
	44	19.327	17.830	1.54	2.71	4.25	6.28	21.12	14.84	11.51	20.28	31.78	15.02	29.97	14.95
5310	37	19.417	17.880	1.51	2.33	3.84	5.85	21.14	15.29	11.30	17.46	28.76	14.59	29.97	15.38
	40	23.313	21.665	1.70	2.55	4.25	6.29	21.23	14.94	12.74	19.10	31.83	15.03	29.97	14.94
	44	19.201	17.854	1.64	2.29	3.93	5.94	21.09	15.15	12.25	17.14	29.39	14.68	29.97	15.29

			Antenna 1						**Antenna 3**					
Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]
5190	37	0.00	-10.47	0.90	9.59	8.74	0.02	8.76	-8.48	1.00	10.10	8.74	2.62	11.36
	40	0.00	-9.83	0.90	9.59	8.74	0.66	9.40	-7.96	1.00	10.10	8.74	3.14	11.88
	44	0.00	-10.31	0.90	9.59	8.74	0.18	8.92	-8.20	1.00	10.10	8.74	2.90	11.64
5230	37	0.00	-9.89	0.90	9.59	8.74	0.60	9.34	-8.00	1.00	10.10	8.74	3.10	11.84
	40	0.00	-9.65	0.90	9.59	8.74	0.84	9.58	-7.73	1.00	10.10	8.74	3.37	12.11
	44	0.00	-9.90	0.90	9.59	8.74	0.59	9.33	-8.10	1.00	10.10	8.74	3.00	11.74
5270	37	0.00	-8.85	0.90	9.59	8.74	1.64	10.38	-6.75	1.00	10.09	8.74	4.34	13.08
	40	0.00	-8.29	0.90	9.59	8.74	2.20	10.94	-6.32	1.00	10.09	8.74	4.77	13.51
	44	0.00	-8.62	0.90	9.59	8.74	1.87	10.61	-6.76	1.00	10.09	8.74	4.33	13.07
5310	37	0.00	-8.70	0.90	9.59	8.74	1.79	10.53	-7.41	1.00	10.09	8.74	3.68	12.42
	40	0.00	-8.18	0.90	9.59	8.74	2.31	11.05	-7.02	1.00	10.09	8.74	4.07	12.81
	44	0.00	-8.35	0.90	9.59	8.74	2.14	10.88	-7.49	1.00	10.09	8.74	3.60	12.34

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	25 deg. C / 29 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-40 OFDMA (52-tone RU)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5510	37	19.425	17.892	1.75	1.95	3.70	5.68	21.14	15.46	13.12	14.55	27.68	14.42	29.97	15.55
	40	23.208	21.501	1.96	2.16	4.13	6.16	21.23	15.07	14.69	16.18	30.87	14.90	29.97	15.07
	44	19.278	17.840	1.82	1.99	3.81	5.81	21.11	15.30	13.61	14.89	28.51	14.55	29.97	15.42
5550	37	19.338	17.918	1.80	1.86	3.66	5.64	21.12	15.48	13.49	13.90	27.39	14.38	29.97	15.59
	40	22.607	21.704	1.98	2.03	4.00	6.03	21.23	15.20	14.79	15.17	29.96	14.77	29.97	15.20
	44	19.239	17.838	1.81	1.93	3.74	5.73	21.10	15.37	13.55	14.45	28.01	14.47	29.97	15.50
5670	37	19.317	17.935	1.55	2.28	3.83	5.83	21.11	15.28	11.61	17.02	28.64	14.57	29.97	15.40
	40	23.076	21.541	1.66	2.44	4.09	6.12	21.23	15.11	12.39	18.24	30.63	14.86	29.97	15.11
	44	19.236	17.849	1.54	2.24	3.78	5.77	21.10	15.33	11.51	16.75	28.26	14.51	29.97	15.46
5710	37	19.459	17.897	1.58	2.07	3.66	5.63	21.15	15.52	11.86	15.52	27.38	14.37	29.97	15.60
	40	23.119	21.639	1.70	2.28	3.98	6.00	21.23	15.23	12.71	17.06	29.77	14.74	29.97	15.23
	44	19.236	17.829	1.59	2.09	3.68	5.66	21.10	15.44	11.89	15.67	27.55	14.40	29.97	15.57
5755	37	-	17.879	1.70	2.06	3.76	5.75	27.26	21.51	12.74	15.38	28.12	14.49	36.00	21.51
	40	-	21.564	1.88	2.20	4.08	6.10	27.26	21.16	14.06	16.44	30.50	14.84	36.00	21.16
	44	-	17.857	1.71	2.06	3.77	5.76	27.26	21.50	12.79	15.42	28.21	14.50	36.00	21.50
5795	37	-	17.912	1.74	2.21	3.95	5.96	27.26	21.30	13.00	16.52	29.52	14.70	36.00	21.30
	40	-	21.707	1.91	2.34	4.24	6.28	27.26	20.98	14.26	17.50	31.75	15.02	36.00	20.98
	44	-	17.845	1.78	2.14	3.92	5.93	27.26	21.33	13.30	16.00	29.30	14.67	36.00	21.33

			Antenna 1						**Antenna 3**					
Tested Frequency	RU Index	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
							Cond. Power	e.i.r.p.					Cond. Power	e.i.r.p.
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5510	37	0.00	-8.14	1.00	9.58	8.74	2.44	11.18	-8.28	1.10	10.07	8.74	2.89	11.63
	40	0.00	-7.65	1.00	9.58	8.74	2.93	11.67	-7.82	1.10	10.07	8.74	3.35	12.09
	44	0.00	-7.98	1.00	9.58	8.74	2.60	11.34	-8.18	1.10	10.07	8.74	2.99	11.73
5550	37	0.00	-8.02	1.00	9.58	8.74	2.56	11.30	-8.48	1.10	10.07	8.74	2.69	11.43
	40	0.00	-7.62	1.00	9.58	8.74	2.96	11.70	-8.10	1.10	10.07	8.74	3.07	11.81
	44	0.00	-8.00	1.00	9.58	8.74	2.58	11.32	-8.31	1.10	10.07	8.74	2.86	11.60
5670	37	0.00	-8.68	1.00	9.59	8.74	1.91	10.65	-7.60	1.10	10.07	8.74	3.57	12.31
	40	0.00	-8.40	1.00	9.59	8.74	2.19	10.93	-7.30	1.10	10.07	8.74	3.87	12.61
	44	0.00	-8.72	1.00	9.59	8.74	1.87	10.61	-7.67	1.10	10.07	8.74	3.50	12.24
5710	37	0.00	-8.59	1.00	9.59	8.74	2.00	10.74	-8.00	1.10	10.07	8.74	3.17	11.91
	40	0.00	-8.29	1.00	9.59	8.74	2.30	11.04	-7.59	1.10	10.07	8.74	3.58	12.32
	44	0.00	-8.58	1.00	9.59	8.74	2.01	10.75	-7.96	1.10	10.07	8.74	3.21	11.95
5755	37	0.00	-8.28	1.00	9.59	8.74	2.31	11.05	-8.04	1.10	10.07	8.74	3.13	11.87
	40	0.00	-7.85	1.00	9.59	8.74	2.74	11.48	-7.75	1.10	10.07	8.74	3.42	12.16
	44	0.00	-8.26	1.00	9.59	8.74	2.33	11.07	-8.03	1.10	10.07	8.74	3.14	11.88
5795	37	0.00	-8.20	1.00	9.60	8.74	2.40	11.14	-7.73	1.10	10.07	8.74	3.44	12.18
	40	0.00	-7.80	1.00	9.60	8.74	2.80	11.54	-7.48	1.10	10.07	8.74	3.69	12.43
	44	0.00	-8.10	1.00	9.60	8.74	2.50	11.24	-7.87	1.10	10.07	8.74	3.30	12.04

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	25 deg. C / 29 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-40 OFDMA (106-tone RU)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	e.i.r.p. Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5190	53	-	17.726	2.20	4.07	6.27	7.97	21.23	13.26	16.44	30.48	46.92	16.71	29.97	13.26
	54	-	20.573	2.37	4.29	6.66	8.23	21.23	13.00	17.74	32.06	49.80	16.97	29.97	13.00
	56	-	17.632	2.24	4.14	6.38	8.05	21.23	13.18	16.75	30.97	47.72	16.79	29.97	13.18
5230	53	-	17.725	2.42	4.28	6.70	8.26	21.23	12.97	18.11	31.99	50.10	17.00	29.97	12.97
	54	-	21.317	2.56	4.49	7.05	8.48	21.23	12.75	19.14	33.57	52.72	17.22	29.97	12.75
	56	-	17.648	2.46	4.24	6.70	8.26	21.23	12.97	18.41	31.70	50.10	17.00	29.97	12.97
5270	53	19.435	17.742	3.30	5.42	8.72	9.40	21.14	11.74	24.66	40.55	65.21	18.14	29.97	11.83
	54	24.061	20.615	3.57	5.86	9.43	9.75	21.23	11.48	26.73	43.85	70.58	18.49	29.97	11.48
	56	19.390	17.607	3.39	5.42	8.81	9.45	21.13	11.68	25.35	40.55	65.90	18.19	29.97	11.78
5310	53	19.485	17.720	3.31	4.93	8.24	9.16	21.15	11.99	24.77	36.90	61.67	17.90	29.97	12.07
	54	23.191	20.795	3.56	5.35	8.90	9.49	21.23	11.74	26.61	39.99	66.60	18.23	29.97	11.74
	56	19.286	17.662	3.48	4.83	8.31	9.19	21.11	11.92	26.00	36.14	62.14	17.93	29.97	12.04

			Antenna 1						**Antenna 3**					
Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]
5190	53	0.00	-7.07	0.90	9.59	8.74	3.42	12.16	-5.00	1.00	10.10	8.74	6.10	14.84
	54	0.00	-6.74	0.90	9.59	8.74	3.75	12.49	-4.78	1.00	10.10	8.74	6.32	15.06
	56	0.00	-6.99	0.90	9.59	8.74	3.50	12.24	-4.93	1.00	10.10	8.74	6.17	14.91
5230	53	0.00	-6.65	0.90	9.59	8.74	3.84	12.58	-4.79	1.00	10.10	8.74	6.31	15.05
	54	0.00	-6.41	0.90	9.59	8.74	4.08	12.82	-4.58	1.00	10.10	8.74	6.52	15.26
	56	0.00	-6.58	0.90	9.59	8.74	3.91	12.65	-4.83	1.00	10.10	8.74	6.27	15.01
5270	53	0.00	-5.31	0.90	9.59	8.74	5.18	13.92	-3.75	1.00	10.09	8.74	7.34	16.08
	54	0.00	-4.96	0.90	9.59	8.74	5.53	14.27	-3.41	1.00	10.09	8.74	7.68	16.42
	56	0.00	-5.19	0.90	9.59	8.74	5.30	14.04	-3.75	1.00	10.09	8.74	7.34	16.08
5310	53	0.00	-5.29	0.90	9.59	8.74	5.20	13.94	-4.16	1.00	10.09	8.74	6.93	15.67
	54	0.00	-4.98	0.90	9.59	8.74	5.51	14.25	-3.81	1.00	10.09	8.74	7.28	16.02
	56	0.00	-5.08	0.90	9.59	8.74	5.41	14.15	-4.25	1.00	10.09	8.74	6.84	15.58

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	25 deg. C / 29 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-40 OFDMA (106-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5510	53	19.457	17.687	3.96	3.98	7.94	9.00	21.15	12.15	29.65	29.79	59.43	17.74	29.97	12.23
	54	26.542	21.344	4.15	4.20	8.35	9.22	21.23	12.01	31.05	31.41	62.45	17.96	29.97	12.01
	56	19.354	17.644	4.00	4.03	8.03	9.05	21.12	12.07	29.92	30.13	60.05	17.79	29.97	12.18
5550	53	19.408	17.722	3.81	4.02	7.83	8.94	21.13	12.19	28.51	30.06	58.57	17.68	29.97	12.29
	54	24.331	21.071	4.02	4.26	8.27	9.18	21.23	12.05	30.06	31.84	61.90	17.92	29.97	12.05
	56	19.377	17.618	3.69	4.20	7.89	8.97	21.13	12.16	27.61	31.41	59.01	17.71	29.97	12.26
5670	53	19.401	17.689	3.52	4.94	8.47	9.28	21.13	11.85	26.36	36.98	63.35	18.02	29.97	11.95
	54	23.744	20.856	3.48	5.09	8.57	9.33	21.23	11.90	26.00	38.11	64.11	18.07	29.97	11.90
	56	19.376	17.633	3.48	4.98	8.45	9.27	21.13	11.86	26.00	37.24	63.24	18.01	29.97	11.96
5710	53	19.449	17.697	3.42	4.56	7.98	9.02	21.14	12.12	25.59	34.12	59.71	17.76	29.97	12.21
	54	27.382	21.130	3.60	4.79	8.38	9.23	21.23	12.00	26.92	35.81	62.72	17.97	29.97	12.00
	56	19.426	17.662	3.54	4.40	7.94	9.00	21.14	12.14	26.49	32.89	59.37	17.74	29.97	12.23
5755	53	-	17.675	3.69	4.98	8.67	9.38	27.26	17.88	27.61	37.24	64.84	18.12	36.00	17.88
	54	-	20.626	3.89	5.18	9.07	9.57	27.26	17.69	29.11	38.73	67.83	18.31	36.00	17.69
	56	-	17.679	3.78	4.78	8.56	9.32	27.26	17.94	28.31	35.73	64.04	18.06	36.00	17.94
5795	53	-	17.703	4.11	4.52	8.63	9.36	27.26	17.90	30.76	33.81	64.57	18.10	36.00	17.90
	54	-	20.892	4.32	4.86	9.18	9.63	27.26	17.63	32.28	36.39	68.68	18.37	36.00	17.63
	56	-	17.629	4.01	4.50	8.51	9.30	27.26	17.96	29.99	33.65	63.64	18.04	36.00	17.96

			Antenna 1						**Antenna 3**					
Tested Frequency	RU Index	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
							Cond. Power	e.i.r.p.					Cond. Power	e.i.r.p.
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5510	53	0.00	-4.60	1.00	9.58	8.74	5.98	14.72	-5.17	1.10	10.07	8.74	6.00	14.74
	54	0.00	-4.40	1.00	9.58	8.74	6.18	14.92	-4.94	1.10	10.07	8.74	6.23	14.97
	56	0.00	-4.56	1.00	9.58	8.74	6.02	14.76	-5.12	1.10	10.07	8.74	6.05	14.79
5550	53	0.00	-4.77	1.00	9.58	8.74	5.81	14.55	-5.13	1.10	10.07	8.74	6.04	14.78
	54	0.00	-4.54	1.00	9.58	8.74	6.04	14.78	-4.88	1.10	10.07	8.74	6.29	15.03
	56	0.00	-4.91	1.00	9.58	8.74	5.67	14.41	-4.94	1.10	10.07	8.74	6.23	14.97
5670	53	0.00	-5.12	1.00	9.59	8.74	5.47	14.21	-4.23	1.10	10.07	8.74	6.94	15.68
	54	0.00	-5.18	1.00	9.59	8.74	5.41	14.15	-4.10	1.10	10.07	8.74	7.07	15.81
	56	0.00	-5.18	1.00	9.59	8.74	5.41	14.15	-4.20	1.10	10.07	8.74	6.97	15.71
5710	53	0.00	-5.25	1.00	9.59	8.74	5.34	14.08	-4.58	1.10	10.07	8.74	6.59	15.33
	54	0.00	-5.03	1.00	9.59	8.74	5.56	14.30	-4.37	1.10	10.07	8.74	6.80	15.54
	56	0.00	-5.10	1.00	9.59	8.74	5.49	14.23	-4.74	1.10	10.07	8.74	6.43	15.17
5755	53	0.00	-4.92	1.00	9.59	8.74	5.67	14.41	-4.20	1.10	10.07	8.74	6.97	15.71
	54	0.00	-4.69	1.00	9.59	8.74	5.90	14.64	-4.03	1.10	10.07	8.74	7.14	15.88
	56	0.00	-4.81	1.00	9.59	8.74	5.78	14.52	-4.38	1.10	10.07	8.74	6.79	15.53
5795	53	0.00	-4.46	1.00	9.60	8.74	6.14	14.88	-4.62	1.10	10.07	8.74	6.55	15.29
	54	0.00	-4.25	1.00	9.60	8.74	6.35	15.09	-4.30	1.10	10.07	8.74	6.87	15.61
	56	0.00	-4.57	1.00	9.60	8.74	6.03	14.77	-4.64	1.10	10.07	8.74	6.53	15.27

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	25 deg. C / 29 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-40 OFDMA (242-tone RU)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5190	61	-	24.478	4.22	7.43	11.65	10.66	21.23	10.57	31.55	55.59	87.14	19.40	29.97	10.57
	62	-	24.684	4.17	7.50	11.67	10.67	21.23	10.56	31.19	56.10	87.29	19.41	29.97	10.56
5230	61	-	26.557	4.30	7.55	11.85	10.74	21.23	10.49	32.14	56.49	88.63	19.48	29.97	10.49
	62	-	21.820	4.28	7.48	11.76	10.70	21.23	10.53	31.99	55.98	87.96	19.44	29.97	10.53
5270	61	39.399	24.988	6.43	10.99	17.42	12.41	21.23	8.82	48.08	82.22	130.31	21.15	29.97	8.82
	62	39.372	25.979	6.24	10.89	17.13	12.34	21.23	8.89	46.67	81.47	128.14	21.08	29.97	8.89
5310	61	39.484	26.751	6.73	9.91	16.64	12.21	21.23	9.02	50.35	74.13	124.48	20.95	29.97	9.02
	62	39.382	25.189	6.65	9.86	16.52	12.18	21.23	9.05	49.77	73.79	123.56	20.92	29.97	9.05
5510	61	39.371	27.630	7.93	7.98	15.90	12.02	21.23	9.21	59.29	59.70	119.00	20.76	29.97	9.21
	62	39.275	24.098	8.02	7.96	15.98	12.04	21.23	9.19	59.98	59.57	119.55	20.78	29.97	9.19
5550	61	39.355	28.130	7.60	8.15	15.75	11.97	21.23	9.26	56.89	60.95	117.84	20.71	29.97	9.26
	62	39.489	23.053	7.66	8.26	15.92	12.02	21.23	9.21	57.28	61.80	119.08	20.76	29.97	9.21
5670	61	39.434	25.040	6.92	9.95	16.87	12.27	21.23	8.96	51.76	74.47	126.23	21.01	29.97	8.96
	62	39.437	24.787	6.87	9.98	16.85	12.27	21.23	8.96	51.40	74.64	126.05	21.01	29.97	8.96
5710	61	39.375	26.346	7.28	9.53	16.81	12.25	21.23	8.98	54.45	71.29	125.74	20.99	29.97	8.98
	62	39.380	23.674	7.36	9.20	16.57	12.19	21.23	9.04	55.08	68.87	123.95	20.93	29.97	9.04
5755	61	-	25.944	7.74	9.14	16.89	12.28	27.26	14.98	57.94	68.39	126.33	21.02	36.00	14.98
	62	-	29.029	7.60	9.04	16.64	12.21	27.26	15.05	56.89	67.61	124.49	20.95	36.00	15.05
5795	61	-	24.817	7.93	8.97	16.90	12.28	27.26	14.98	59.29	67.14	126.44	21.02	36.00	14.98
	62	-	22.612	7.80	8.85	16.65	12.21	27.26	15.05	58.34	66.22	124.57	20.95	36.00	15.05

			Antenna 1						**Antenna 3**					
Tested Frequency	RU Index	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
							Cond. Power	e.i.r.p.					Cond. Power	e.i.r.p.
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5190	61	0.00	-4.24	0.90	9.59	8.74	6.25	14.99	-2.39	1.00	10.10	8.74	8.71	17.45
	62	0.00	-4.29	0.90	9.59	8.74	6.20	14.94	-2.35	1.00	10.10	8.74	8.75	17.49
5230	61	0.00	-4.16	0.90	9.59	8.74	6.33	15.07	-2.32	1.00	10.10	8.74	8.78	17.52
	62	0.00	-4.18	0.90	9.59	8.74	6.31	15.05	-2.36	1.00	10.10	8.74	8.74	17.48
5270	61	0.00	-2.41	0.90	9.59	8.74	8.08	16.82	-0.68	1.00	10.09	8.74	10.41	19.15
	62	0.00	-2.54	0.90	9.59	8.74	7.95	16.69	-0.72	1.00	10.09	8.74	10.37	19.11
5310	61	0.00	-2.21	0.90	9.59	8.74	8.28	17.02	-1.13	1.00	10.09	8.74	9.96	18.70
	62	0.00	-2.26	0.90	9.59	8.74	8.23	16.97	-1.15	1.00	10.09	8.74	9.94	18.68
5510	61	0.00	-1.59	1.00	9.58	8.74	8.99	17.73	-2.15	1.10	10.07	8.74	9.02	17.76
	62	0.00	-1.54	1.00	9.58	8.74	9.04	17.78	-2.16	1.10	10.07	8.74	9.01	17.75
5550	61	0.00	-1.77	1.00	9.58	8.74	8.81	17.55	-2.06	1.10	10.07	8.74	9.11	17.85
	62	0.00	-1.74	1.00	9.58	8.74	8.84	17.58	-2.00	1.10	10.07	8.74	9.17	17.91
5670	61	0.00	-2.19	1.00	9.59	8.74	8.40	17.14	-1.19	1.10	10.07	8.74	9.98	18.72
	62	0.00	-2.22	1.00	9.59	8.74	8.37	17.11	-1.18	1.10	10.07	8.74	9.99	18.73
5710	61	0.00	-1.97	1.00	9.59	8.74	8.62	17.36	-1.38	1.10	10.07	8.74	9.79	18.53
	62	0.00	-1.92	1.00	9.59	8.74	8.67	17.41	-1.53	1.10	10.07	8.74	9.64	18.38
5755	61	0.00	-1.70	1.00	9.59	8.74	8.89	17.63	-1.56	1.10	10.07	8.74	9.61	18.35
	62	0.00	-1.78	1.00	9.59	8.74	8.81	17.55	-1.61	1.10	10.07	8.74	9.56	18.30
5795	61	0.00	-1.61	1.00	9.60	8.74	8.99	17.73	-1.64	1.10	10.07	8.74	9.53	18.27
	62	0.00	-1.68	1.00	9.60	8.74	8.92	17.66	-1.70	1.10	10.07	8.74	9.47	18.21

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	25 deg. C / 29 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-40 OFDMA (484-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	e.i.r.p. Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5190	65	-	37.375	4.20	7.50	11.70	10.68	21.23	10.55	31.41	56.10	87.51	19.42	29.97	10.55
5230	65	-	37.313	4.28	7.64	11.91	10.76	21.23	10.47	31.99	57.15	89.14	19.50	29.97	10.47
5270	65	39.473	37.428	6.52	10.91	17.43	12.41	21.23	8.82	48.75	81.66	130.41	21.15	29.97	8.82
5310	65	39.539	37.449	6.98	10.09	17.07	12.32	21.23	8.91	52.24	75.51	127.75	21.06	29.97	8.91
5510	65	39.539	37.435	8.39	8.05	16.45	12.16	21.23	9.07	62.81	60.26	123.06	20.90	29.97	9.07
5550	65	39.454	37.372	7.76	8.22	15.98	12.04	21.23	9.19	58.08	61.52	119.59	20.78	29.97	9.19
5670	65	39.463	37.333	6.97	10.07	17.04	12.31	21.23	8.92	52.12	75.34	127.46	21.05	29.97	8.92
5710	65	39.488	37.441	7.35	9.46	16.81	12.26	21.23	8.97	54.95	70.79	125.75	21.00	29.97	8.97
5755	65	-	37.369	7.87	9.31	17.18	12.35	27.26	14.91	58.88	69.66	128.55	21.09	36.00	14.91
5795	65	-	37.389	8.18	9.23	17.41	12.41	27.26	14.85	61.24	69.02	130.26	21.15	36.00	14.85

			Antenna 1						**Antenna 3**					
Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]
5190	65	0.00	-4.26	0.90	9.59	8.74	6.23	14.97	-2.35	1.00	10.10	8.74	8.75	17.49
5230	65	0.00	-4.18	0.90	9.59	8.74	6.31	15.05	-2.27	1.00	10.10	8.74	8.83	17.57
5270	65	0.00	-2.35	0.90	9.59	8.74	8.14	16.88	-0.71	1.00	10.09	8.74	10.38	19.12
5310	65	0.00	-2.05	0.90	9.59	8.74	8.44	17.18	-1.05	1.00	10.09	8.74	10.04	18.78
5510	65	0.00	-1.34	1.00	9.58	8.74	9.24	17.98	-2.11	1.10	10.07	8.74	9.06	17.80
5550	65	0.00	-1.68	1.00	9.58	8.74	8.90	17.64	-2.02	1.10	10.07	8.74	9.15	17.89
5670	65	0.00	-2.16	1.00	9.59	8.74	8.43	17.17	-1.14	1.10	10.07	8.74	10.03	18.77
5710	65	0.00	-1.93	1.00	9.59	8.74	8.66	17.40	-1.41	1.10	10.07	8.74	9.76	18.50
5755	65	0.00	-1.63	1.00	9.59	8.74	8.96	17.70	-1.48	1.10	10.07	8.74	9.69	18.43
5795	65	0.00	-1.47	1.00	9.60	8.74	9.13	17.87	-1.52	1.10	10.07	8.74	9.65	18.39

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ac-80

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power Antenna 1	Antenna 3	Sum	Result	Limit	Margin	e.i.r.p. Antenna 1	Antenna 3	Sum	Result	Limit	Margin
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5210	-	74.953	4.05	7.16	11.21	10.49	21.23	10.74	30.27	53.58	83.85	19.23	29.97	10.74
5290	79.051	74.920	6.30	9.57	15.87	12.00	21.23	9.23	47.10	71.61	118.71	20.74	29.97	9.23
5530	78.754	74.881	7.53	7.29	14.83	11.71	21.23	9.52	56.36	54.58	110.94	20.45	29.97	9.52
5610	79.048	74.890	7.62	7.45	15.07	11.78	21.23	9.45	57.02	55.72	112.74	20.52	29.97	9.45
5690	78.988	74.812	6.59	8.79	15.38	11.87	21.23	9.36	49.32	65.77	115.08	20.61	29.97	9.36
5775	-	74.836	7.64	8.36	15.99	12.04	27.26	15.22	57.15	62.52	119.67	20.78	36.00	15.22

		Antenna 1						**Antenna 3**					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	e.i.r.p.	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	e.i.r.p.
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5210	0.00	-4.42	0.90	9.59	8.74	6.07	14.81	-2.55	1.00	10.10	8.74	8.55	17.29
5290	0.00	-2.50	0.90	9.59	8.74	7.99	16.73	-1.28	1.00	10.09	8.74	9.81	18.55
5530	0.00	-1.81	1.00	9.58	8.74	8.77	17.51	-2.54	1.10	10.07	8.74	8.63	17.37
5610	0.00	-1.77	1.00	9.59	8.74	8.82	17.56	-2.45	1.10	10.07	8.74	8.72	17.46
5690	0.00	-2.40	1.00	9.59	8.74	8.19	16.93	-1.73	1.10	10.07	8.74	9.44	18.18
5775	0.00	-1.76	1.00	9.59	8.74	8.83	17.57	-1.95	1.10	10.07	8.74	9.22	17.96

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-80 (OFDM)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power Antenna 1	Antenna 3	Sum	Result	Limit	Margin	e.i.r.p. Antenna 1	Antenna 3	Sum	Result	Limit	Margin
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5210	-	76.674	4.26	7.40	11.65	10.66	21.23	10.57	31.84	55.34	87.18	19.40	29.97	10.57
5290	80.155	76.903	6.65	10.64	17.29	12.38	21.23	8.85	49.77	79.62	129.39	21.12	29.97	8.85
5530	80.038	76.810	8.39	7.66	16.05	12.05	21.23	9.18	62.81	57.28	120.09	20.79	29.97	9.18
5610	79.908	76.861	8.24	8.00	16.24	12.11	21.23	9.12	61.66	59.84	121.50	20.85	29.97	9.12
5690	79.990	76.852	7.11	9.51	16.62	12.21	21.23	9.02	53.21	71.12	124.33	20.95	29.97	9.02
5775	-	76.874	8.11	8.81	16.92	12.28	27.26	14.98	60.67	65.92	126.59	21.02	36.00	14.98

		Antenna 1						**Antenna 3**					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5210	0.00	-4.20	0.90	9.59	8.74	6.29	15.03	-2.41	1.00	10.10	8.74	8.69	17.43
5290	0.00	-2.26	0.90	9.59	8.74	8.23	16.97	-0.82	1.00	10.09	8.74	10.27	19.01
5530	0.00	-1.34	1.00	9.58	8.74	9.24	17.98	-2.33	1.10	10.07	8.74	8.84	17.58
5610	0.00	-1.43	1.00	9.59	8.74	9.16	17.90	-2.14	1.10	10.07	8.74	9.03	17.77
5690	0.00	-2.07	1.00	9.59	8.74	8.52	17.26	-1.39	1.10	10.07	8.74	9.78	18.52
5775	0.00	-1.50	1.00	9.59	8.74	9.09	17.83	-1.72	1.10	10.07	8.74	9.45	18.19

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	25 deg. C / 29 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-80 OFDMA (26-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5210	0	-	19.518	0.51	0.90	1.42	1.51	21.23	19.72	3.83	6.76	10.59	10.25	29.97	19.72
	18	-	36.876	0.54	0.94	1.48	1.70	21.23	19.53	4.01	7.05	11.06	10.44	29.97	19.53
	36	-	19.411	0.53	0.90	1.43	1.54	21.23	19.69	3.94	6.73	10.67	10.28	29.97	19.69
5290	0	20.056	19.613	0.71	1.25	1.96	2.92	21.23	18.31	5.31	9.35	14.66	11.66	29.97	18.31
	18	38.871	37.237	0.76	1.26	2.02	3.05	21.23	18.18	5.68	9.44	15.12	11.79	29.97	18.18
	36	19.812	19.480	0.78	1.21	1.99	3.00	21.22	18.22	5.83	9.08	14.91	11.74	29.97	18.23
5530	0	19.797	19.527	0.94	0.92	1.86	2.70	21.22	18.52	7.06	6.85	13.92	11.44	29.97	18.53
	18	38.930	37.114	0.98	0.94	1.92	2.84	21.23	18.39	7.35	7.03	14.38	11.58	29.97	18.39
	36	19.844	19.437	0.92	0.92	1.84	2.65	21.23	18.58	6.87	6.89	13.76	11.39	29.97	18.58
5610	0	20.020	19.511	0.98	0.94	1.92	2.83	21.23	18.40	7.31	7.03	14.34	11.57	29.97	18.40
	18	38.837	37.191	1.01	0.97	1.98	2.98	21.23	18.25	7.59	7.26	14.85	11.72	29.97	18.25
	36	19.695	19.350	0.92	0.98	1.90	2.79	21.20	18.41	6.90	7.31	14.21	11.53	29.97	18.44
5690	0	19.814	19.210	0.75	1.08	1.83	2.63	21.22	18.59	5.61	8.09	13.70	11.37	29.97	18.60
	18	38.704	37.069	0.78	1.09	1.86	2.70	21.23	18.53	5.81	8.13	13.94	11.44	29.97	18.53
	36	19.825	19.504	0.76	1.06	1.82	2.60	21.23	18.63	5.70	7.93	13.63	11.34	29.97	18.63
5775	0	-	19.500	0.90	1.04	1.95	2.89	27.26	24.37	6.75	7.82	14.56	11.63	36.00	24.37
	18	-	37.252	0.92	1.04	1.96	2.92	27.26	24.34	6.92	7.74	14.66	11.66	36.00	24.34
	36	-	19.444	0.86	0.98	1.84	2.66	27.26	24.60	6.47	7.33	13.80	11.40	36.00	24.60

			Antenna 1						**Antenna 3**					
Tested Frequency	RU Index	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
							Cond. Power	e.i.r.p.					Cond. Power	e.i.r.p.
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5210	0	0.00	-13.40	0.90	9.59	8.74	-2.91	5.83	-11.54	1.00	10.10	8.74	-0.44	8.30
	18	0.00	-13.20	0.90	9.59	8.74	-2.71	6.03	-11.36	1.00	10.10	8.74	-0.26	8.48
	36	0.00	-13.27	0.90	9.59	8.74	-2.78	5.96	-11.56	1.00	10.10	8.74	-0.46	8.28
5290	0	0.00	-11.98	0.90	9.59	8.74	-1.49	7.25	-10.12	1.00	10.09	8.74	0.97	9.71
	18	0.00	-11.69	0.90	9.59	8.74	-1.20	7.54	-10.08	1.00	10.09	8.74	1.01	9.75
	36	0.00	-11.57	0.90	9.59	8.74	-1.08	7.66	-10.25	1.00	10.09	8.74	0.84	9.58
5530	0	0.00	-10.83	1.00	9.58	8.74	-0.25	8.49	-11.55	1.10	10.07	8.74	-0.38	8.36
	18	0.00	-10.66	1.00	9.58	8.74	-0.08	8.66	-11.44	1.10	10.07	8.74	-0.27	8.47
	36	0.00	-10.95	1.00	9.58	8.74	-0.37	8.37	-11.53	1.10	10.07	8.74	-0.36	8.38
5610	0	0.00	-10.69	1.00	9.59	8.74	-0.10	8.64	-11.44	1.10	10.07	8.74	-0.27	8.47
	18	0.00	-10.53	1.00	9.59	8.74	0.06	8.80	-11.30	1.10	10.07	8.74	-0.13	8.61
	36	0.00	-10.94	1.00	9.59	8.74	-0.35	8.39	-11.27	1.10	10.07	8.74	-0.10	8.64
5690	0	0.00	-11.84	1.00	9.59	8.74	-1.25	7.49	-10.83	1.10	10.07	8.74	0.34	9.08
	18	0.00	-11.69	1.00	9.59	8.74	-1.10	7.64	-10.81	1.10	10.07	8.74	0.36	9.10
	36	0.00	-11.77	1.00	9.59	8.74	-1.18	7.56	-10.92	1.10	10.07	8.74	0.25	8.99
5775	0	0.00	-11.04	1.00	9.59	8.74	-0.45	8.29	-10.98	1.10	10.07	8.74	0.19	8.93
	18	0.00	-10.93	1.00	9.59	8.74	-0.34	8.40	-11.02	1.10	10.07	8.74	0.15	8.89
	36	0.00	-11.22	1.00	9.59	8.74	-0.63	8.11	-11.26	1.10	10.07	8.74	-0.09	8.65

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	25 deg. C / 29 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-80 OFDMA (52-tone RU)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5210	37	-	19.708	1.08	1.87	2.95	4.70	21.23	16.53	8.09	13.96	22.05	13.44	29.97	16.53
	44	-	26.894	1.10	1.99	3.09	4.90	21.23	16.33	8.26	14.86	23.12	13.64	29.97	16.33
	52	-	19.163	1.10	1.93	3.03	4.81	21.23	16.42	8.24	14.42	22.66	13.55	29.97	16.42
5290	37	20.730	20.134	1.45	2.75	4.20	6.24	21.23	14.99	10.84	20.61	31.45	14.98	29.97	14.99
	44	24.788	26.139	1.42	2.70	4.13	6.16	21.23	15.07	10.64	20.23	30.87	14.90	29.97	15.07
	52	20.180	19.294	1.53	2.62	4.15	6.18	21.23	15.05	11.43	19.63	31.06	14.92	29.97	15.05
5530	37	20.683	20.153	2.00	1.95	3.95	5.96	21.23	15.27	14.96	14.55	29.52	14.70	29.97	15.27
	44	24.883	27.002	2.05	1.97	4.01	6.04	21.23	15.19	15.31	14.72	30.03	14.78	29.97	15.19
	52	20.018	19.336	1.95	1.96	3.90	5.92	21.23	15.31	14.55	14.66	29.21	14.66	29.97	15.31
5610	37	21.041	20.110	2.04	1.87	3.91	5.92	21.23	15.31	15.24	14.03	29.27	14.66	29.97	15.31
	44	25.533	26.092	1.96	1.98	3.94	5.96	21.23	15.27	14.69	14.79	29.48	14.70	29.97	15.27
	52	20.043	19.123	1.87	2.00	3.86	5.87	21.23	15.36	13.96	14.93	28.89	14.61	29.97	15.36
5690	37	20.757	19.900	1.62	2.39	4.01	6.03	21.23	15.20	12.11	17.91	30.01	14.77	29.97	15.20
	44	25.575	25.978	1.65	2.34	3.99	6.01	21.23	15.22	12.33	17.50	29.83	14.75	29.97	15.22
	52	20.255	19.129	1.60	2.20	3.80	5.80	21.23	15.43	11.97	16.48	28.45	14.54	29.97	15.43
5775	37	-	20.015	1.83	2.22	4.05	6.08	27.26	21.18	13.68	16.63	30.31	14.82	36.00	21.18
	44	-	25.981	1.82	2.13	3.95	5.97	27.26	21.29	13.65	15.92	29.57	14.71	36.00	21.29
	52	-	19.229	1.79	1.98	3.77	5.76	27.26	21.50	13.37	14.83	28.19	14.50	36.00	21.50

			Antenna 1						**Antenna 3**					
Tested Frequency	RU Index	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
							Cond. Power	e.i.r.p.					Cond. Power	e.i.r.p.
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5210	37	0.00	-10.15	0.90	9.59	8.74	0.34	9.08	-8.39	1.00	10.10	8.74	2.71	11.45
	44	0.00	-10.06	0.90	9.59	8.74	0.43	9.17	-8.12	1.00	10.10	8.74	2.98	11.72
	52	0.00	-10.07	0.90	9.59	8.74	0.42	9.16	-8.25	1.00	10.10	8.74	2.85	11.59
5290	37	0.00	-8.88	0.90	9.59	8.74	1.61	10.35	-6.69	1.00	10.09	8.74	4.40	13.14
	44	0.00	-8.96	0.90	9.59	8.74	1.53	10.27	-6.77	1.00	10.09	8.74	4.32	13.06
	52	0.00	-8.65	0.90	9.59	8.74	1.84	10.58	-6.90	1.00	10.09	8.74	4.19	12.93
5530	37	0.00	-7.57	1.00	9.58	8.74	3.01	11.75	-8.28	1.10	10.07	8.74	2.89	11.63
	44	0.00	-7.47	1.00	9.58	8.74	3.11	11.85	-8.23	1.10	10.07	8.74	2.94	11.68
	52	0.00	-7.69	1.00	9.58	8.74	2.89	11.63	-8.25	1.10	10.07	8.74	2.92	11.66
5610	37	0.00	-7.50	1.00	9.59	8.74	3.09	11.83	-8.44	1.10	10.07	8.74	2.73	11.47
	44	0.00	-7.66	1.00	9.59	8.74	2.93	11.67	-8.21	1.10	10.07	8.74	2.96	11.70
	52	0.00	-7.88	1.00	9.59	8.74	2.71	11.45	-8.17	1.10	10.07	8.74	3.00	11.74
5690	37	0.00	-8.50	1.00	9.59	8.74	2.09	10.83	-7.38	1.10	10.07	8.74	3.79	12.53
	44	0.00	-8.42	1.00	9.59	8.74	2.17	10.91	-7.48	1.10	10.07	8.74	3.69	12.43
	52	0.00	-8.55	1.00	9.59	8.74	2.04	10.78	-7.74	1.10	10.07	8.74	3.43	12.17
5775	37	0.00	-7.97	1.00	9.59	8.74	2.62	11.36	-7.70	1.10	10.07	8.74	3.47	12.21
	44	0.00	-7.98	1.00	9.59	8.74	2.61	11.35	-7.89	1.10	10.07	8.74	3.28	12.02
	52	0.00	-8.07	1.00	9.59	8.74	2.52	11.26	-8.20	1.10	10.07	8.74	2.97	11.71

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	25 deg. C / 29 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-80 OFDMA (106-tone RU)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5210	53	-	19.345	2.25	3.97	6.22	7.94	21.23	13.29	16.83	29.72	46.54	16.68	29.97	13.29
	56	-	27.151	2.30	4.00	6.30	7.99	21.23	13.24	17.22	29.92	47.14	16.73	29.97	13.24
	60	-	18.925	2.26	3.97	6.23	7.95	21.23	13.28	16.90	29.72	46.62	16.69	29.97	13.28
5290	53	21.762	19.841	3.21	5.64	8.85	9.47	21.23	11.76	24.04	42.17	66.21	18.21	29.97	11.76
	56	26.556	24.600	3.36	5.73	9.09	9.58	21.23	11.65	25.12	42.85	67.97	18.32	29.97	11.65
	60	20.743	19.133	3.42	5.55	8.97	9.53	21.23	11.70	25.59	41.50	67.08	18.27	29.97	11.70
5530	53	21.836	19.519	4.00	4.11	8.11	9.09	21.23	12.14	29.92	30.76	60.68	17.83	29.97	12.14
	56	25.431	26.143	4.13	4.15	8.28	9.18	21.23	12.05	30.90	31.05	61.95	17.92	29.97	12.05
	60	20.634	19.085	3.94	4.15	8.09	9.08	21.23	12.15	29.44	31.05	60.49	17.82	29.97	12.15
5610	53	22.115	19.904	4.18	3.86	8.04	9.05	21.23	12.18	31.26	28.91	60.17	17.79	29.97	12.18
	56	27.831	25.295	4.18	4.04	8.21	9.15	21.23	12.08	31.26	30.20	61.46	17.89	29.97	12.08
	60	20.644	19.120	3.99	3.94	7.93	9.00	21.23	12.23	29.85	29.51	59.37	17.74	29.97	12.23
5690	53	22.184	19.557	3.16	4.93	8.09	9.08	21.23	12.15	23.66	36.90	60.56	17.82	29.97	12.15
	56	25.865	24.732	3.20	4.83	8.03	9.05	21.23	12.18	23.93	36.14	60.07	17.79	29.97	12.18
	60	20.765	19.144	3.23	4.60	7.83	8.94	21.23	12.29	24.15	34.43	58.59	17.68	29.97	12.29
5775	53	-	19.630	3.90	4.48	8.38	9.23	27.26	18.03	29.17	33.50	62.67	17.97	36.00	18.03
	56	-	24.064	3.89	4.41	8.30	9.19	27.26	18.07	29.11	32.96	62.07	17.93	36.00	18.07
	60	-	19.024	3.91	4.17	8.08	9.07	27.26	18.19	29.24	31.19	60.43	17.81	36.00	18.19

			Antenna 1						**Antenna 3**					
Tested Frequency	RU Index	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
							Cond. Power	e.i.r.p.					Cond. Power	e.i.r.p.
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5210	53	0.00	-6.97	0.90	9.59	8.74	3.52	12.26	-5.11	1.00	10.10	8.74	5.99	14.73
	56	0.00	-6.87	0.90	9.59	8.74	3.62	12.36	-5.08	1.00	10.10	8.74	6.02	14.76
	60	0.00	-6.95	0.90	9.59	8.74	3.54	12.28	-5.11	1.00	10.10	8.74	5.99	14.73
5290	53	0.00	-5.42	0.90	9.59	8.74	5.07	13.81	-3.58	1.00	10.09	8.74	7.51	16.25
	56	0.00	-5.23	0.90	9.59	8.74	5.26	14.00	-3.51	1.00	10.09	8.74	7.58	16.32
	60	0.00	-5.15	0.90	9.59	8.74	5.34	14.08	-3.65	1.00	10.09	8.74	7.44	16.18
5530	53	0.00	-4.56	1.00	9.58	8.74	6.02	14.76	-5.03	1.10	10.07	8.74	6.14	14.88
	56	0.00	-4.42	1.00	9.58	8.74	6.16	14.90	-4.99	1.10	10.07	8.74	6.18	14.92
	60	0.00	-4.63	1.00	9.58	8.74	5.95	14.69	-4.99	1.10	10.07	8.74	6.18	14.92
5610	53	0.00	-4.38	1.00	9.59	8.74	6.21	14.95	-5.30	1.10	10.07	8.74	5.87	14.61
	56	0.00	-4.38	1.00	9.59	8.74	6.21	14.95	-5.11	1.10	10.07	8.74	6.06	14.80
	60	0.00	-4.58	1.00	9.59	8.74	6.01	14.75	-5.21	1.10	10.07	8.74	5.96	14.70
5690	53	0.00	-5.59	1.00	9.59	8.74	5.00	13.74	-4.24	1.10	10.07	8.74	6.93	15.67
	56	0.00	-5.54	1.00	9.59	8.74	5.05	13.79	-4.33	1.10	10.07	8.74	6.84	15.58
	60	0.00	-5.50	1.00	9.59	8.74	5.09	13.83	-4.54	1.10	10.07	8.74	6.63	15.37
5775	53	0.00	-4.68	1.00	9.59	8.74	5.91	14.65	-4.66	1.10	10.07	8.74	6.51	15.25
	56	0.00	-4.69	1.00	9.59	8.74	5.90	14.64	-4.73	1.10	10.07	8.74	6.44	15.18
	60	0.00	-4.67	1.00	9.59	8.74	5.92	14.66	-4.97	1.10	10.07	8.74	6.20	14.94

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	25 deg. C / 29 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-80 OFDMA (242-tone RU)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5210	61	-	23.623	4.25	7.40	11.64	10.66	21.23	10.57	31.77	55.34	87.10	19.40	29.97	10.57
	62	-	42.079	4.26	7.26	11.52	10.61	21.23	10.62	31.84	54.33	86.17	19.35	29.97	10.62
	64	-	22.533	4.12	7.26	11.38	10.56	21.23	10.67	30.83	54.33	85.16	19.30	29.97	10.67
5290	61	29.080	22.814	6.43	10.45	16.87	12.27	21.23	8.96	48.08	78.16	126.25	21.01	29.97	8.96
	62	45.968	41.189	6.67	10.40	17.07	12.32	21.23	8.91	49.89	77.80	127.69	21.06	29.97	8.91
	64	28.437	22.705	6.65	10.28	16.93	12.29	21.23	8.94	49.77	76.91	126.69	21.03	29.97	8.94
5530	61	28.812	23.181	8.09	7.67	15.76	11.98	21.23	9.25	60.53	57.41	117.95	20.72	29.97	9.25
	62	47.389	41.071	8.20	7.69	15.89	12.01	21.23	9.22	61.38	57.54	118.92	20.75	29.97	9.22
	64	27.300	22.885	7.96	7.69	15.65	11.95	21.23	9.28	59.57	57.54	117.11	20.69	29.97	9.28
5610	61	27.649	23.115	8.30	7.74	16.04	12.05	21.23	9.18	62.09	57.94	120.03	20.79	29.97	9.18
	62	46.660	41.491	8.15	7.74	15.89	12.01	21.23	9.22	60.95	57.94	118.90	20.75	29.97	9.22
	64	28.552	22.455	7.85	7.74	15.60	11.93	21.23	9.30	58.75	57.94	116.69	20.67	29.97	9.30
5690	61	27.134	23.039	6.79	9.55	16.34	12.13	21.23	9.10	50.82	71.45	122.27	20.87	29.97	9.10
	62	47.819	41.100	7.06	9.51	16.57	12.19	21.23	9.04	52.84	71.12	123.97	20.93	29.97	9.04
	64	28.736	22.728	7.03	9.04	16.07	12.06	21.23	9.17	52.60	67.61	120.21	20.80	29.97	9.17
5775	61	-	22.934	7.89	8.67	16.56	12.19	27.26	15.07	59.02	64.86	123.88	20.93	36.00	15.07
	62	-	41.238	7.93	8.77	16.70	12.23	27.26	15.03	59.29	65.61	124.91	20.97	36.00	15.03
	64	-	22.501	7.74	8.34	16.08	12.06	27.26	15.20	57.94	62.37	120.32	20.80	36.00	15.20

			Antenna 1						**Antenna 3**					
Tested Frequency	RU Index	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
							Cond. Power	e.i.r.p.					Cond. Power	e.i.r.p.
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5210	61	0.00	-4.21	0.90	9.59	8.74	6.28	15.02	-2.41	1.00	10.10	8.74	8.69	17.43
	62	0.00	-4.20	0.90	9.59	8.74	6.29	15.03	-2.49	1.00	10.10	8.74	8.61	17.35
	64	0.00	-4.34	0.90	9.59	8.74	6.15	14.89	-2.49	1.00	10.10	8.74	8.61	17.35
5290	61	0.00	-2.41	0.90	9.59	8.74	8.08	16.82	-0.90	1.00	10.09	8.74	10.19	18.93
	62	0.00	-2.25	0.90	9.59	8.74	8.24	16.98	-0.92	1.00	10.09	8.74	10.17	18.91
	64	0.00	-2.26	0.90	9.59	8.74	8.23	16.97	-0.97	1.00	10.09	8.74	10.12	18.86
5530	61	0.00	-1.50	1.00	9.58	8.74	9.08	17.82	-2.32	1.10	10.07	8.74	8.85	17.59
	62	0.00	-1.44	1.00	9.58	8.74	9.14	17.88	-2.31	1.10	10.07	8.74	8.86	17.60
	64	0.00	-1.57	1.00	9.58	8.74	9.01	17.75	-2.31	1.10	10.07	8.74	8.86	17.60
5610	61	0.00	-1.40	1.00	9.59	8.74	9.19	17.93	-2.28	1.10	10.07	8.74	8.89	17.63
	62	0.00	-1.48	1.00	9.59	8.74	9.11	17.85	-2.28	1.10	10.07	8.74	8.89	17.63
	64	0.00	-1.64	1.00	9.59	8.74	8.95	17.69	-2.28	1.10	10.07	8.74	8.89	17.63
5690	61	0.00	-2.27	1.00	9.59	8.74	8.32	17.06	-1.37	1.10	10.07	8.74	9.80	18.54
	62	0.00	-2.10	1.00	9.59	8.74	8.49	17.23	-1.39	1.10	10.07	8.74	9.78	18.52
	64	0.00	-2.12	1.00	9.59	8.74	8.47	17.21	-1.61	1.10	10.07	8.74	9.56	18.30
5775	61	0.00	-1.62	1.00	9.59	8.74	8.97	17.71	-1.79	1.10	10.07	8.74	9.38	18.12
	62	0.00	-1.60	1.00	9.59	8.74	8.99	17.73	-1.74	1.10	10.07	8.74	9.43	18.17
	64	0.00	-1.70	1.00	9.59	8.74	8.89	17.63	-1.96	1.10	10.07	8.74	9.21	17.95

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	25 deg. C / 29 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-80 OFDMA (484-tone RU)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5210	65	-	71.459	4.22	7.33	11.55	10.62	21.23	10.61	31.55	54.83	86.38	19.36	29.97	10.61
	66	-	55.727	4.12	7.23	11.35	10.55	21.23	10.68	30.83	54.08	84.91	19.29	29.97	10.68
5290	65	79.790	62.158	6.35	10.28	16.63	12.21	21.23	9.02	47.53	76.91	124.45	20.95	29.97	9.02
	66	79.654	58.189	6.46	10.23	16.69	12.22	21.23	9.01	48.31	76.56	124.87	20.96	29.97	9.01
5530	65	79.985	67.685	8.24	7.64	15.88	12.01	21.23	9.22	61.66	57.15	118.81	20.75	29.97	9.22
	66	79.740	59.974	8.09	7.53	15.62	11.94	21.23	9.29	60.53	56.36	116.90	20.68	29.97	9.29
5610	65	79.920	68.861	8.07	7.87	15.94	12.03	21.23	9.20	60.39	58.88	119.28	20.77	29.97	9.20
	66	79.508	56.261	7.83	7.64	15.47	11.90	21.23	9.33	58.61	57.15	115.76	20.64	29.97	9.33
5690	65	79.797	63.716	6.84	9.68	16.52	12.18	21.23	9.05	51.17	72.44	123.61	20.92	29.97	9.05
	66	79.614	57.589	7.13	8.97	16.10	12.07	21.23	9.16	53.33	67.14	120.48	20.81	29.97	9.16
5775	65	-	67.032	7.94	8.71	16.65	12.21	27.26	15.05	59.43	65.16	124.59	20.95	36.00	15.05
	66	-	58.729	7.85	8.32	16.17	12.09	27.26	15.17	58.75	62.23	120.98	20.83	36.00	15.17

			Antenna 1						**Antenna 3**					
Tested Frequency	RU Index	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
							Cond. Power	e.i.r.p.					Cond. Power	e.i.r.p.
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5210	65	0.00	-4.24	0.90	9.59	8.74	6.25	14.99	-2.45	1.00	10.10	8.74	8.65	17.39
	66	0.00	-4.34	0.90	9.59	8.74	6.15	14.89	-2.51	1.00	10.10	8.74	8.59	17.33
5290	65	0.00	-2.46	0.90	9.59	8.74	8.03	16.77	-0.97	1.00	10.09	8.74	10.12	18.86
	66	0.00	-2.39	0.90	9.59	8.74	8.10	16.84	-0.99	1.00	10.09	8.74	10.10	18.84
5530	65	0.00	-1.42	1.00	9.58	8.74	9.16	17.90	-2.34	1.10	10.07	8.74	8.83	17.57
	66	0.00	-1.50	1.00	9.58	8.74	9.08	17.82	-2.40	1.10	10.07	8.74	8.77	17.51
5610	65	0.00	-1.52	1.00	9.59	8.74	9.07	17.81	-2.21	1.10	10.07	8.74	8.96	17.70
	66	0.00	-1.65	1.00	9.59	8.74	8.94	17.68	-2.34	1.10	10.07	8.74	8.83	17.57
5690	65	0.00	-2.24	1.00	9.59	8.74	8.35	17.09	-1.31	1.10	10.07	8.74	9.86	18.60
	66	0.00	-2.06	1.00	9.59	8.74	8.53	17.27	-1.64	1.10	10.07	8.74	9.53	18.27
5775	65	0.00	-1.59	1.00	9.59	8.74	9.00	17.74	-1.77	1.10	10.07	8.74	9.40	18.14
	66	0.00	-1.64	1.00	9.59	8.74	8.95	17.69	-1.97	1.10	10.07	8.74	9.20	17.94

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	25 deg. C / 29 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-80 OFDMA (996-tone RU)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power Antenna 1	Antenna 3	Sum	Result	Limit	Margin	e.i.r.p. Antenna 1	Antenna 3	Sum	Result	Limit	Margin
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5210	67	-	76.503	4.32	7.33	11.64	10.66	21.23	10.57	32.28	54.83	87.11	19.40	29.97	10.57
5290	67	80.121	76.559	6.67	10.40	17.07	12.32	21.23	8.91	49.89	77.80	127.69	21.06	29.97	8.91
5530	67	79.734	76.771	8.20	7.69	15.89	12.01	21.23	9.22	61.38	57.54	118.92	20.75	29.97	9.22
5610	67	79.813	76.698	8.26	7.89	16.15	12.08	21.23	9.15	61.80	59.02	120.82	20.82	29.97	9.15
5690	67	79.771	76.563	7.23	9.40	16.62	12.21	21.23	9.02	54.08	70.31	124.38	20.95	29.97	9.02
5775	67	-	76.747	7.93	8.77	16.70	12.23	27.26	15.03	59.29	65.61	124.91	20.97	36.00	15.03

			Antenna 1						**Antenna 3**					
Tested Frequency	RU Index	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	e.i.r.p.	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	e.i.r.p.
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5210	67	0.00	-4.14	0.90	9.59	8.74	6.35	15.09	-2.45	1.00	10.10	8.74	8.65	17.39
5290	67	0.00	-2.25	0.90	9.59	8.74	8.24	16.98	-0.92	1.00	10.09	8.74	10.17	18.91
5530	67	0.00	-1.44	1.00	9.58	8.74	9.14	17.88	-2.31	1.10	10.07	8.74	8.86	17.60
5610	67	0.00	-1.42	1.00	9.59	8.74	9.17	17.91	-2.20	1.10	10.07	8.74	8.97	17.71
5690	67	0.00	-2.00	1.00	9.59	8.74	8.59	17.33	-1.44	1.10	10.07	8.74	9.73	18.47
5775	67	0.00	-1.60	1.00	9.59	8.74	8.99	17.73	-1.74	1.10	10.07	8.74	9.43	18.17

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-
The test was performed with Gate function.

Maximum Conducted Output Power
(Rate Check)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 24, 2022
Temperature / Humidity	22 deg. C / 38 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11a

5500 MHz

mode	Rate	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Average		Remark
	[Mbps]	[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11a	6	9.45	8.810	8.94	7.834	12.21	16.645	*
	9	9.35	8.610	8.91	7.780	12.15	16.390	
	12	9.41	8.730	8.90	7.762	12.17	16.492	
	18	9.39	8.690	9.00	7.943	12.21	16.633	
	24	9.40	8.710	8.92	7.798	12.18	16.508	
	36	9.40	8.710	8.96	7.870	12.20	16.580	
	48	9.38	8.670	8.89	7.745	12.15	16.414	
	54	9.27	8.453	8.91	7.780	12.10	16.233	

*: Worst Rate

*The test was conducted by the use of Gate function.

*Cable Loss and Attenuator Loss are include in the P/M(AV) Reading

Maximum Conducted Output Power
(Rate Check)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 24, 2022
Temperature / Humidity	22 deg. C / 38 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11n-20

5500 MHz

mode	MCS Number	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Average		Remark
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11n-20	0	9.40	8.710	9.00	7.943	12.21	16.653	*
	1	9.35	8.610	9.03	7.998	12.20	16.608	
	2	9.43	8.770	8.83	7.638	12.15	16.408	
	3	9.25	8.414	8.76	7.516	12.02	15.930	
	4	9.26	8.433	8.83	7.638	12.06	16.072	
	5	9.28	8.472	8.77	7.534	12.04	16.006	
	6	9.34	8.590	8.77	7.534	12.07	16.124	
	7	9.31	8.531	8.90	7.762	12.12	16.293	
	8	9.43	8.770	8.85	7.674	12.16	16.444	
	9	9.30	8.511	8.86	7.691	12.10	16.203	
	10	9.36	8.630	8.82	7.621	12.11	16.251	
	11	9.39	8.690	9.00	7.943	12.21	16.633	
	12	9.28	8.472	8.83	7.638	12.07	16.111	
	13	9.19	8.299	8.74	7.482	11.98	15.780	
	14	9.16	8.241	8.77	7.534	11.98	15.775	
	15	9.16	8.241	8.74	7.482	11.97	15.723	

*: Worst Rate

*The test was conducted by the use of Gate function.

*Cable Loss and Attenuator Loss are include in the P/M(AV) Reading

Maximum Conducted Output Power
(Rate Check)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 24, 2022
Temperature / Humidity	22 deg. C / 38 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ac-20

5500 MHz

mode	MCS Number	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Average		Remark
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11ac-20 1TX	0	9.32	8.551	9.16	8.241	12.25	16.792	*
	1	9.33	8.570	9.12	8.166	12.24	16.736	
	2	9.32	8.551	8.92	7.798	12.13	16.349	
	3	9.39	8.690	8.95	7.852	12.19	16.542	
	4	9.35	8.610	8.89	7.745	12.14	16.355	
	5	9.31	8.531	8.89	7.745	12.12	16.276	
	6	9.31	8.531	8.90	7.762	12.12	16.293	
	7	9.28	8.472	8.94	7.834	12.12	16.307	
	8	9.20	8.318	8.85	7.674	12.04	15.991	
11ac-20 2TX	0	9.34	8.590	8.92	7.798	12.15	16.388	
	1	9.39	8.690	8.91	7.780	12.17	16.470	
	2	9.36	8.630	8.88	7.727	12.14	16.357	
	3	9.30	8.511	9.05	8.035	12.19	16.547	
	4	9.22	8.356	8.87	7.709	12.06	16.065	
	5	9.17	8.260	8.77	7.534	11.98	15.794	
	6	9.18	8.279	8.80	7.586	12.00	15.865	
	7	9.12	8.166	8.73	7.464	11.94	15.630	
	8	9.23	8.375	8.79	7.568	12.03	15.944	

*: Worst Rate

*The test was conducted by the use of Gate function.

*Cable Loss and Attenuator Loss are include in the P/M(AV) Reading

Maximum Conducted Output Power
(Rate Check)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 24, 2022
Temperature / Humidity	22 deg. C / 38 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-20 (OFDM)

5500 MHz

mode	MCS Number	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Average		Remark
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11ax-20 1TX	0	9.52	8.954	9.05	8.035	12.30	16.989	*
	1	9.44	8.790	9.03	7.998	12.25	16.789	
	2	9.50	8.913	9.03	7.998	12.28	16.911	
	3	9.48	8.872	9.01	7.962	12.26	16.833	
	4	9.48	8.872	9.00	7.943	12.26	16.815	
	5	9.50	8.913	9.03	7.998	12.28	16.911	
	6	9.50	8.913	9.06	8.054	12.30	16.966	
	7	9.45	8.810	8.94	7.834	12.21	16.645	
	8	9.49	8.892	9.05	8.035	12.29	16.927	
	9	9.50	8.913	9.03	7.998	12.28	16.911	
	10	9.17	8.260	8.83	7.638	12.01	15.899	
	11	9.20	8.318	8.75	7.499	11.99	15.817	
11ax-20 2TX	0	9.52	8.954	9.02	7.980	12.29	16.934	
	1	9.52	8.954	9.04	8.017	12.30	16.970	
	2	9.55	9.016	9.01	7.962	12.30	16.977	
	3	9.46	8.831	9.00	7.943	12.25	16.774	
	4	9.55	9.016	8.98	7.907	12.28	16.922	
	5	9.39	8.690	8.96	7.870	12.19	16.560	
	6	9.47	8.851	9.06	8.054	12.28	16.905	
	7	9.41	8.730	8.95	7.852	12.20	16.582	
	8	9.43	8.770	9.03	7.998	12.24	16.768	
	9	9.41	8.730	8.97	7.889	12.21	16.618	
	10	9.16	8.241	8.78	7.551	11.98	15.792	
	11	9.24	8.395	8.65	7.328	11.97	15.723	

*: Worst Rate

*The test was conducted by the use of Gate function.

*Cable Loss and Attenuator Loss are include in the P/M(AV) Reading

Maximum Conducted Output Power
(Rate Check)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 24, 2022
Temperature / Humidity	22 deg. C / 38 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11n-40

5510 MHz

mode	MCS Number	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Average		Remark
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11n-40	0	8.97	7.889	8.90	7.762	11.95	15.651	*
	1	8.91	7.780	8.86	7.691	11.90	15.472	
	2	8.93	7.816	8.87	7.709	11.91	15.525	
	3	8.94	7.834	8.89	7.745	11.93	15.579	
	4	8.95	7.852	8.88	7.727	11.93	15.579	
	5	8.99	7.925	8.78	7.551	11.90	15.476	
	6	9.00	7.943	8.86	7.691	11.94	15.635	
	7	8.83	7.638	8.81	7.603	11.83	15.242	
	8	8.91	7.780	8.93	7.816	11.93	15.597	
	9	8.95	7.852	8.91	7.780	11.94	15.633	
	10	8.87	7.709	8.90	7.762	11.90	15.472	
	11	8.96	7.870	8.82	7.621	11.90	15.491	
	12	8.89	7.745	8.87	7.709	11.89	15.454	
	13	8.88	7.727	8.78	7.551	11.84	15.278	
	14	8.94	7.834	8.77	7.534	11.87	15.368	
	15	8.81	7.603	8.83	7.638	11.83	15.242	

*: Worst Rate

*The test was conducted by the use of Gate function.

*Cable Loss and Attenuator Loss are include in the P/M(AV) Reading

Maximum Conducted Output Power
(Rate Check)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 24, 2022
Temperature / Humidity	22 deg. C / 38 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ac-40

5510 MHz

mode	MCS Number	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Average		Remark
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11ac-40 1TX	0	9.09	8.110	9.08	8.091	12.10	16.201	*
	1	8.97	7.889	8.96	7.870	11.98	15.759	
	2	8.98	7.907	8.95	7.852	11.98	15.759	
	3	8.95	7.852	8.92	7.798	11.95	15.651	
	4	8.92	7.798	8.91	7.780	11.93	15.579	
	5	8.92	7.798	8.82	7.621	11.88	15.419	
	6	8.95	7.852	8.91	7.780	11.94	15.633	
	7	8.93	7.816	8.86	7.691	11.91	15.508	
	8	8.71	7.430	8.70	7.413	11.72	14.843	
	9	8.76	7.516	8.75	7.499	11.77	15.015	
11ac-40 2TX	0	9.03	7.998	9.00	7.943	12.03	15.942	
	1	9.05	8.035	9.02	7.980	12.05	16.015	
	2	8.97	7.889	8.97	7.889	11.98	15.777	
	3	8.99	7.925	8.98	7.907	12.00	15.832	
	4	8.93	7.816	8.92	7.798	11.94	15.615	
	5	8.88	7.727	8.86	7.691	11.88	15.418	
	6	8.87	7.709	8.77	7.534	11.83	15.243	
	7	8.82	7.621	8.80	7.586	11.82	15.207	
	8	8.70	7.413	8.69	7.396	11.71	14.809	
	9	8.69	7.396	8.65	7.328	11.68	14.724	

*: Worst Rate

*The test was conducted by the use of Gate function.

*Cable Loss and Attenuator Loss are include in the P/M(AV) Reading

Maximum Conducted Output Power
(Rate Check)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 24, 2022
Temperature / Humidity	22 deg. C / 38 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-40 (OFDM)

5510 MHz

mode	MCS Number	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Average		Remark
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11ax-40 1TX	0	9.29	8.492	9.22	8.356	12.27	16.848	*
	1	9.19	8.299	9.17	8.260	12.19	16.559	
	2	9.30	8.511	9.18	8.279	12.25	16.791	
	3	9.26	8.433	9.25	8.414	12.27	16.847	
	4	9.17	8.260	9.15	8.222	12.17	16.483	
	5	9.19	8.299	9.13	8.185	12.17	16.483	
	6	9.13	8.185	9.13	8.185	12.14	16.369	
	7	9.17	8.260	9.02	7.980	12.11	16.240	
	8	8.91	7.780	8.91	7.780	11.92	15.561	
	9	9.01	7.962	9.00	7.943	12.02	15.905	
	10	8.71	7.430	8.69	7.396	11.71	14.826	
	11	8.67	7.362	8.61	7.261	11.65	14.623	
11ax-40 2TX	0	9.25	8.414	9.25	8.414	12.26	16.828	
	1	9.21	8.337	9.20	8.318	12.22	16.654	
	2	9.26	8.433	9.25	8.414	12.27	16.847	
	3	9.22	8.356	9.11	8.147	12.18	16.503	
	4	9.11	8.147	9.10	8.128	12.12	16.275	
	5	9.13	8.185	9.05	8.035	12.10	16.220	
	6	9.19	8.299	9.07	8.072	12.14	16.371	
	7	9.20	8.318	9.14	8.204	12.18	16.521	
	8	9.01	7.962	9.00	7.943	12.02	15.905	
	9	9.00	7.943	8.99	7.925	12.01	15.868	
	10	8.64	7.311	8.62	7.278	11.64	14.589	
	11	8.68	7.379	8.64	7.311	11.67	14.690	

*: Worst Rate

*The test was conducted by the use of Gate function.

*Cable Loss and Attenuator Loss are include in the P/M(AV) Reading

Maximum Conducted Output Power
(Rate Check)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 24, 2022
Temperature / Humidity	22 deg. C / 38 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ac-80

5530 MHz

mode	MCS Number	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Average		Remark
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11ac-80 1TX	0	8.96	7.870	8.58	7.211	11.78	15.082	*
	1	8.94	7.834	8.55	7.161	11.76	14.996	
	2	8.94	7.834	8.56	7.178	11.76	15.012	
	3	8.88	7.727	8.60	7.244	11.75	14.971	
	4	8.89	7.745	8.58	7.211	11.75	14.956	
	5	8.80	7.586	8.48	7.047	11.65	14.633	
	6	8.77	7.534	8.42	6.950	11.61	14.484	
	7	8.67	7.362	8.44	6.982	11.57	14.344	
	8	8.73	7.464	8.47	7.031	11.61	14.495	
	9	8.73	7.464	8.55	7.161	11.65	14.626	
11ac-80 2TX	0	8.92	7.798	8.56	7.178	11.75	14.976	
	1	8.84	7.656	8.53	7.129	11.70	14.784	
	2	8.83	7.638	8.52	7.112	11.69	14.750	
	3	8.85	7.674	8.60	7.244	11.74	14.918	
	4	8.87	7.709	8.57	7.194	11.73	14.904	
	5	8.80	7.586	8.51	7.096	11.67	14.682	
	6	8.76	7.516	8.45	6.998	11.62	14.515	
	7	8.64	7.311	8.44	6.982	11.55	14.294	
	8	8.63	7.295	8.35	6.839	11.50	14.134	
	9	8.64	7.311	8.38	6.887	11.52	14.198	

*: Worst Rate

*The test was conducted by the use of Gate function.

*Cable Loss and Attenuator Loss are include in the P/M(AV) Reading

Maximum Conducted Output Power
(Rate Check)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 24, 2022
Temperature / Humidity	22 deg. C / 38 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-80 (OFDM)

5530 MHz

mode	MCS Number	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Average		Remark
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11ax-80 1TX	0	9.16	8.241	8.80	7.586	11.99	15.827	*
	1	9.04	8.017	8.90	7.762	11.98	15.779	
	2	9.07	8.072	8.86	7.691	11.98	15.764	
	3	9.06	8.054	8.81	7.603	11.95	15.657	
	4	9.17	8.260	8.77	7.534	11.98	15.794	
	5	9.03	7.998	8.89	7.745	11.97	15.743	
	6	8.98	7.907	8.82	7.621	11.91	15.528	
	7	9.02	7.980	8.79	7.568	11.92	15.548	
	8	8.96	7.870	8.66	7.345	11.82	15.216	
	9	9.03	7.998	8.76	7.516	11.91	15.515	
	10	8.61	7.261	8.37	6.871	11.50	14.132	
	11	8.58	7.211	8.33	6.808	11.47	14.019	
11ax-80 2TX	0	9.07	8.072	8.77	7.534	11.93	15.606	
	1	9.06	8.054	8.79	7.568	11.94	15.622	
	2	9.08	8.091	8.75	7.499	11.93	15.590	
	3	9.07	8.072	8.81	7.603	11.95	15.676	
	4	9.07	8.072	8.81	7.603	11.95	15.676	
	5	9.04	8.017	8.83	7.638	11.95	15.655	
	6	9.07	8.072	8.77	7.534	11.93	15.606	
	7	9.03	7.998	8.79	7.568	11.92	15.567	
	8	8.94	7.834	8.70	7.413	11.83	15.247	
	9	8.93	7.816	8.69	7.396	11.82	15.212	
	10	8.60	7.244	8.37	6.871	11.50	14.115	
	11	8.60	7.244	8.37	6.871	11.50	14.115	

*: Worst Rate

*The test was conducted by the use of Gate function.

*Cable Loss and Attenuator Loss are include in the P/M(AV) Reading

Average Output Power
(Reference data for RF Exposure)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 25, 2022
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11a

	Antenna 1				Antenna 3				Antenna 1+3			
Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average) Antenna 1	Antenna 3	Sum 1+3	
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5180	-3.73	0.90	9.59	6.76	-2.48	1.00	10.10	8.62	4.74	7.28	12.02	10.80
5220	-3.62	0.90	9.59	6.87	-2.42	1.00	10.10	8.68	4.86	7.38	12.24	10.88
5240	-3.73	0.90	9.59	6.76	-2.40	1.00	10.09	8.69	4.74	7.40	12.14	10.84
5260	-2.01	0.90	9.59	8.48	-0.76	1.00	10.09	10.33	7.05	10.79	17.84	12.51
5300	-1.88	0.90	9.59	8.61	-1.33	1.00	10.09	9.76	7.26	9.46	16.72	12.23
5320	-1.75	0.90	9.59	8.74	-1.30	1.00	10.09	9.79	7.48	9.53	17.01	12.31
5500	-1.11	1.00	9.58	9.47	-2.11	1.10	10.07	9.06	8.85	8.05	16.90	12.28
5580	-0.97	1.00	9.58	9.61	-2.16	1.10	10.07	9.01	9.14	7.96	17.10	12.33
5700	-1.76	1.00	9.59	8.83	-1.59	1.10	10.07	9.58	7.64	9.08	16.72	12.23
5720	-1.33	1.00	9.59	9.26	-1.57	1.10	10.07	9.60	8.43	9.12	17.55	12.44
5745	-1.38	1.00	9.59	9.21	-1.65	1.10	10.07	9.52	8.34	8.95	17.29	12.38
5785	-1.21	1.00	9.59	9.38	-1.65	1.10	10.07	9.52	8.67	8.95	17.62	12.46
5825	-1.19	1.00	9.60	9.41	-1.69	1.10	10.08	9.49	8.73	8.89	17.62	12.46

Sample Calculation:
Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss
The test was performed with Gate function.

The average output power was measured with the lowest order modulation and lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.

Average Output Power
(Reference data for RF Exposure)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 25, 2022
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11n-20

	Antenna 1				Antenna 3				Antenna 1+3			
Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average) Antenna 1	Antenna 3	Sum 1+3	
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5180	-3.84	0.90	9.59	6.65	-2.27	1.00	10.10	8.83	4.62	7.64	12.26	10.89
5220	-3.76	0.90	9.59	6.73	-2.28	1.00	10.10	8.82	4.71	7.62	12.33	10.91
5240	-3.74	0.90	9.59	6.75	-2.26	1.00	10.09	8.83	4.73	7.64	12.37	10.92
5260	-2.03	0.90	9.59	8.46	-0.55	1.00	10.09	10.54	7.01	11.32	18.34	12.63
5300	-1.80	0.90	9.59	8.69	-1.16	1.00	10.09	9.93	7.40	9.84	17.24	12.36
5320	-1.75	0.90	9.59	8.74	-1.15	1.00	10.09	9.94	7.48	9.86	17.34	12.39
5500	-1.17	1.00	9.58	9.41	-2.04	1.10	10.07	9.13	8.73	8.18	16.91	12.28
5580	-1.03	1.00	9.58	9.55	-1.93	1.10	10.07	9.24	9.02	8.39	17.41	12.41
5700	-1.72	1.00	9.59	8.87	-1.45	1.10	10.07	9.72	7.71	9.38	17.08	12.33
5720	-1.45	1.00	9.59	9.14	-1.38	1.10	10.07	9.79	8.20	9.53	17.73	12.49
5745	-1.50	1.00	9.59	9.09	-1.48	1.10	10.07	9.69	8.11	9.31	17.42	12.41
5785	-1.28	1.00	9.59	9.31	-1.58	1.10	10.07	9.59	8.53	9.10	17.63	12.46
5825	-1.28	1.00	9.60	9.32	-1.60	1.10	10.08	9.58	8.55	9.08	17.63	12.46

Sample Calculation:
Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss
The test was performed with Gate function.

The average output power was measured with the lowest order modulation and lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.

Average Output Power
(Reference data for RF Exposure)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 25, 2022
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ac-20

	Antenna 1				Antenna 3				Antenna 1+3			
Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average) Antenna 1	Antenna 3	Sum 1+3	
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5180	-3.77	0.90	9.59	6.72	-2.30	1.00	10.10	8.80	4.70	7.59	12.28	10.89
5220	-3.65	0.90	9.59	6.84	-2.20	1.00	10.10	8.90	4.83	7.76	12.59	11.00
5240	-3.74	0.90	9.59	6.75	-2.26	1.00	10.09	8.83	4.73	7.64	12.37	10.92
5260	-2.00	0.90	9.59	8.49	-0.55	1.00	10.09	10.54	7.06	11.32	18.39	12.65
5300	-1.83	0.90	9.59	8.66	-1.13	1.00	10.09	9.96	7.35	9.91	17.25	12.37
5320	-1.75	0.90	9.59	8.74	-1.01	1.00	10.09	10.08	7.48	10.19	17.67	12.47
5500	-1.17	1.00	9.58	9.41	-2.04	1.10	10.07	9.13	8.73	8.18	16.91	12.28
5580	-1.00	1.00	9.58	9.58	-1.94	1.10	10.07	9.23	9.08	8.38	17.45	12.42
5700	-1.64	1.00	9.59	8.95	-1.39	1.10	10.07	9.78	7.85	9.51	17.36	12.40
5720	-1.47	1.00	9.59	9.12	-1.35	1.10	10.07	9.82	8.17	9.59	17.76	12.49
5745	-1.40	1.00	9.59	9.19	-1.54	1.10	10.07	9.63	8.30	9.18	17.48	12.43
5785	-1.27	1.00	9.59	9.32	-1.55	1.10	10.07	9.62	8.55	9.16	17.71	12.48
5825	-1.23	1.00	9.60	9.37	-1.47	1.10	10.08	9.71	8.65	9.35	18.00	12.55

Sample Calculation:
Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss
The test was performed with Gate function.

The average output power was measured with the lowest order modulation and lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.

Average Output Power
(Reference data for RF Exposure)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 25, 2022
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-20 (OFDM)

	Antenna 1				Antenna 3				Antenna 1+3			
Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average) Antenna 1	Antenna 3	Sum 1+3	
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5180	-3.65	0.90	9.59	6.84	-2.28	1.00	10.10	8.82	4.83	7.62	12.45	10.95
5220	-3.52	0.90	9.59	6.97	-2.28	1.00	10.10	8.82	4.98	7.62	12.60	11.00
5240	-3.53	0.90	9.59	6.96	-2.23	1.00	10.09	8.86	4.97	7.69	12.66	11.02
5260	-1.84	0.90	9.59	8.65	-0.64	1.00	10.09	10.45	7.33	11.09	18.42	12.65
5300	-1.54	0.90	9.59	8.95	-1.13	1.00	10.09	9.96	7.85	9.91	17.76	12.49
5320	-1.52	0.90	9.59	8.97	-1.11	1.00	10.09	9.98	7.89	9.95	17.84	12.51
5500	-0.90	1.00	9.58	9.68	-2.06	1.10	10.07	9.11	9.29	8.15	17.44	12.41
5580	-0.93	1.00	9.58	9.65	-1.99	1.10	10.07	9.18	9.23	8.28	17.51	12.43
5700	-1.42	1.00	9.59	9.17	-1.49	1.10	10.07	9.68	8.26	9.29	17.55	12.44
5720	-1.42	1.00	9.59	9.17	-1.39	1.10	10.07	9.78	8.26	9.51	17.77	12.50
5745	-1.10	1.00	9.59	9.49	-1.56	1.10	10.07	9.61	8.89	9.14	18.03	12.56
5785	-1.08	1.00	9.59	9.51	-1.51	1.10	10.07	9.66	8.93	9.25	18.18	12.60
5825	-1.10	1.00	9.60	9.50	-1.58	1.10	10.08	9.60	8.91	9.12	18.03	12.56

Sample Calculation:
Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss
The test was performed with Gate function.

The average output power was measured with the lowest order modulation and lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.

Average Output Power
(Reference data for RF Exposure)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-20 OFDMA (242-tone RU)

		Antenna 1				**Antenna 3**				**Antenna 1+3**			
Tested Frequency	RU Index	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average) Antenna 1	Antenna 3	Sum 1+3	
[MHz]		[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5180	61	-3.94	0.90	9.59	6.55	-2.54	1.00	10.10	8.56	4.52	7.18	11.70	10.68
5220	61	-3.80	0.90	9.59	6.69	-2.45	1.00	10.10	8.65	4.67	7.33	11.99	10.79
5240	61	-3.71	0.90	9.59	6.78	-2.37	1.00	10.09	8.72	4.76	7.45	12.21	10.87
5260	61	-2.02	0.90	9.59	8.47	-0.81	1.00	10.09	10.28	7.03	10.67	17.70	12.48
5300	61	-1.88	0.90	9.59	8.61	-1.24	1.00	10.09	9.85	7.26	9.66	16.92	12.28
5320	61	-1.68	0.90	9.59	8.81	-1.24	1.00	10.09	9.85	7.60	9.66	17.26	12.37
5500	61	-1.26	1.00	9.58	9.32	-2.18	1.10	10.07	8.99	8.55	7.93	16.48	12.17
5580	61	-1.11	1.00	9.58	9.47	-2.25	1.10	10.07	8.92	8.85	7.80	16.65	12.21
5700	61	-1.60	1.00	9.59	8.99	-1.59	1.10	10.07	9.58	7.93	9.08	17.00	12.31
5720	61	-1.58	1.00	9.59	9.01	-1.64	1.10	10.07	9.53	7.96	8.97	16.94	12.29
5745	61	-1.39	1.00	9.59	9.20	-1.73	1.10	10.07	9.44	8.32	8.79	17.11	12.33
5785	61	-1.29	1.00	9.59	9.30	-1.71	1.10	10.07	9.46	8.51	8.83	17.34	12.39
5825	61	-1.17	1.00	9.60	9.43	-1.62	1.10	10.08	9.56	8.77	9.04	17.81	12.51

Sample Calculation:
Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss
The test was performed with Gate function.
*) The test on 11ax-20 was performed on OFDM / OFDMA (242-tone RU) was the worst condition.

The average output power was measured with the lowest order modulation and lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.

Average Output Power
(Reference data for RF Exposure)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11n-40

	Antenna 1				Antenna 3				Antenna 1+3			
Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average) Antenna 1	Antenna 3	Sum 1+3	
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5190	-4.53	0.90	9.59	5.96	-2.52	1.00	10.10	8.58	3.94	7.21	11.16	10.47
5230	-4.32	0.90	9.59	6.17	-2.47	1.00	10.10	8.63	4.14	7.29	11.43	10.58
5270	-2.48	0.90	9.59	8.01	-0.78	1.00	10.09	10.31	6.32	10.74	17.06	12.32
5310	-2.28	0.90	9.59	8.21	-1.15	1.00	10.09	9.94	6.62	9.86	16.48	12.17
5510	-1.61	1.00	9.58	8.97	-2.13	1.10	10.07	9.04	7.89	8.02	15.91	12.02
5550	-1.68	1.00	9.58	8.90	-2.08	1.10	10.07	9.09	7.76	8.11	15.87	12.01
5670	-2.13	1.00	9.59	8.46	-1.18	1.10	10.07	9.99	7.01	9.98	16.99	12.30
5710	-2.08	1.00	9.59	8.51	-1.56	1.10	10.07	9.61	7.10	9.14	16.24	12.11
5755	-1.80	1.00	9.59	8.79	-1.54	1.10	10.07	9.63	7.57	9.18	16.75	12.24
5795	-1.60	1.00	9.60	9.00	-1.65	1.10	10.07	9.52	7.94	8.95	16.90	12.28

Sample Calculation:
Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss
The test was performed with Gate function.

The average output power was measured with the lowest order modulation and lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.

Average Output Power
(Reference data for RF Exposure)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ac-40

	Antenna 1				Antenna 3				Antenna 1+3			
Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average) Antenna 1	Antenna 3	Sum 1+3	
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5190	-4.32	0.90	9.59	6.17	-2.29	1.00	10.10	8.81	4.14	7.60	11.74	10.70
5230	-4.04	0.90	9.59	6.45	-2.20	1.00	10.10	8.90	4.42	7.76	12.18	10.86
5270	-2.31	0.90	9.59	8.18	-0.77	1.00	10.09	10.32	6.58	10.76	17.34	12.39
5310	-2.13	0.90	9.59	8.36	-1.12	1.00	10.09	9.97	6.85	9.93	16.79	12.25
5510	-1.55	1.00	9.58	9.03	-2.10	1.10	10.07	9.07	8.00	8.07	16.07	12.06
5550	-1.70	1.00	9.58	8.88	-2.04	1.10	10.07	9.13	7.73	8.18	15.91	12.02
5670	-2.17	1.00	9.59	8.42	-1.14	1.10	10.07	10.03	6.95	10.07	17.02	12.31
5710	-2.02	1.00	9.59	8.57	-1.49	1.10	10.07	9.68	7.19	9.29	16.48	12.17
5755	-1.72	1.00	9.59	8.87	-1.60	1.10	10.07	9.57	7.71	9.06	16.77	12.24
5795	-1.64	1.00	9.60	8.96	-1.60	1.10	10.07	9.57	7.87	9.06	16.93	12.29

Sample Calculation:
Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss
The test was performed with Gate function.

The average output power was measured with the lowest order modulation and lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.

Average Output Power
(Reference data for RF Exposure)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-40 (OFDM)

	Antenna 1				Antenna 3				Antenna 1+3			
Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average) Antenna 1	Antenna 3	Sum 1+3	
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5190	-4.02	0.90	9.59	6.47	-2.20	1.00	10.10	8.90	4.44	7.76	12.20	10.86
5230	-3.76	0.90	9.59	6.73	-2.25	1.00	10.10	8.85	4.71	7.67	12.38	10.93
5270	-2.27	0.90	9.59	8.22	-0.60	1.00	10.09	10.49	6.64	11.19	17.83	12.51
5310	-1.98	0.90	9.59	8.51	-1.01	1.00	10.09	10.08	7.10	10.19	17.28	12.38
5510	-1.44	1.00	9.58	9.14	-2.00	1.10	10.07	9.17	8.20	8.26	16.46	12.17
5550	-1.46	1.00	9.58	9.12	-1.84	1.10	10.07	9.33	8.17	8.57	16.74	12.24
5670	-1.95	1.00	9.59	8.64	-0.99	1.10	10.07	10.18	7.31	10.42	17.73	12.49
5710	-1.94	1.00	9.59	8.65	-1.40	1.10	10.07	9.77	7.33	9.48	16.81	12.26
5755	-1.51	1.00	9.59	9.08	-1.51	1.10	10.07	9.66	8.09	9.25	17.34	12.39
5795	-1.48	1.00	9.60	9.12	-1.39	1.10	10.07	9.78	8.17	9.51	17.67	12.47

Sample Calculation:
Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss
The test was performed with Gate function.

The average output power was measured with the lowest order modulation and lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.

Average Output Power
(Reference data for RF Exposure)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	25 deg. C / 29 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-40 OFDMA (484-tone RU)

		Antenna 1				Antenna 3				Antenna 1+3			
Tested Frequency	RU Index	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average) Antenna		Sum 1+3	
										1	3		
[MHz]		[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5190	65	-4.26	0.90	9.59	6.23	-2.35	1.00	10.10	8.75	4.20	7.50	11.70	10.68
5230	65	-4.18	0.90	9.59	6.31	-2.27	1.00	10.10	8.83	4.28	7.64	11.91	10.76
5270	65	-2.35	0.90	9.59	8.14	-0.71	1.00	10.09	10.38	6.52	10.91	17.43	12.41
5310	65	-2.05	0.90	9.59	8.44	-1.05	1.00	10.09	10.04	6.98	10.09	17.07	12.32
5510	65	-1.34	1.00	9.58	9.24	-2.11	1.10	10.07	9.06	8.39	8.05	16.45	12.16
5550	65	-1.68	1.00	9.58	8.90	-2.02	1.10	10.07	9.15	7.76	8.22	15.98	12.04
5670	65	-2.16	1.00	9.59	8.43	-1.14	1.10	10.07	10.03	6.97	10.07	17.04	12.31
5710	65	-1.93	1.00	9.59	8.66	-1.41	1.10	10.07	9.76	7.35	9.46	16.81	12.26
5755	65	-1.63	1.00	9.59	8.96	-1.48	1.10	10.07	9.69	7.87	9.31	17.18	12.35
5795	65	-1.47	1.00	9.60	9.13	-1.52	1.10	10.07	9.65	8.18	9.23	17.41	12.41

Sample Calculation:
Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss
The test was performed with Gate function.
*) The test on 11ax-40 was performed on OFDM / OFDMA (484-tone RU) was the worst condition.

The average output power was measured with the lowest order modulation and lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.

Average Output Power
(Reference data for RF Exposure)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ac-80

	Antenna 1				Antenna 3				Antenna 1+3			
Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average) Antenna 1	Antenna 3	Sum 1+3	
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5210	-4.42	0.90	9.59	6.07	-2.55	1.00	10.10	8.55	4.05	7.16	11.21	10.49
5290	-2.50	0.90	9.59	7.99	-1.28	1.00	10.09	9.81	6.30	9.57	15.87	12.00
5530	-1.81	1.00	9.58	8.77	-2.54	1.10	10.07	8.63	7.53	7.29	14.83	11.71
5610	-1.77	1.00	9.59	8.82	-2.45	1.10	10.07	8.72	7.62	7.45	15.07	11.78
5690	-2.40	1.00	9.59	8.19	-1.73	1.10	10.07	9.44	6.59	8.79	15.38	11.87
5775	-1.76	1.00	9.59	8.83	-1.95	1.10	10.07	9.22	7.64	8.36	15.99	12.04

Sample Calculation:
Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss
The test was performed with Gate function.

The average output power was measured with the lowest order modulation and lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.

Average Output Power
(Reference data for RF Exposure)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-80 (OFDM)

	Antenna 1				Antenna 3				Antenna 1+3			
Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average) Antenna 1	Antenna 3	Sum 1+3	
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5210	-4.20	0.90	9.59	6.29	-2.41	1.00	10.10	8.69	4.26	7.40	11.65	10.66
5290	-2.26	0.90	9.59	8.23	-0.82	1.00	10.09	10.27	6.65	10.64	17.29	12.38
5530	-1.34	1.00	9.58	9.24	-2.33	1.10	10.07	8.84	8.39	7.66	16.05	12.05
5610	-1.43	1.00	9.59	9.16	-2.14	1.10	10.07	9.03	8.24	8.00	16.24	12.11
5690	-2.07	1.00	9.59	8.52	-1.39	1.10	10.07	9.78	7.11	9.51	16.62	12.21
5775	-1.50	1.00	9.59	9.09	-1.72	1.10	10.07	9.45	8.11	8.81	16.92	12.28

Sample Calculation:
Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss
The test was performed with Gate function.

The average output power was measured with the lowest order modulation and lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.

Average Output Power
(Reference data for RF Exposure)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	25 deg. C / 29 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-80 OFDMA (996-tone RU)

		Antenna 1				**Antenna 3**				**Antenna 1+3**			
Tested Frequency	RU Index	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average)			
										Antenna		Sum 1+3	
[MHz]		[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	1 [mW]	3 [mW]	[mW]	[dBm]
5210	67	-4.14	0.90	9.59	6.35	-2.45	1.00	10.10	8.65	4.32	7.33	11.64	10.66
5290	67	-2.25	0.90	9.59	8.24	-0.92	1.00	10.09	10.17	6.67	10.40	17.07	12.32
5530	67	-1.44	1.00	9.58	9.14	-2.31	1.10	10.07	8.86	8.20	7.69	15.89	12.01
5610	67	-1.42	1.00	9.59	9.17	-2.20	1.10	10.07	8.97	8.26	7.89	16.15	12.08
5690	67	-2.00	1.00	9.59	8.59	-1.44	1.10	10.07	9.73	7.23	9.40	16.62	12.21
5775	67	-1.60	1.00	9.59	8.99	-1.74	1.10	10.07	9.43	7.93	8.77	16.70	12.23

Sample Calculation:
Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss
The test was performed with Gate function.
*) The test on 11ax-80 was performed on OFDM / OFDMA (996-tone RU) was the worst condition.

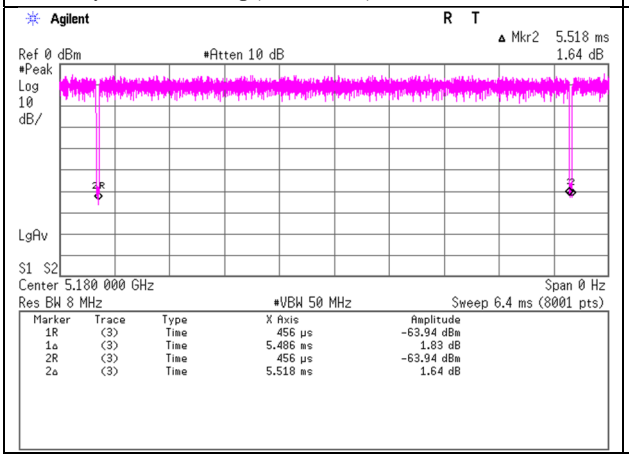
The average output power was measured with the lowest order modulation and lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.

Burst rate confirmation

Test place	Ise EMC Lab. No.2 Measurement Room
Date	January 26, 2022
Temperature / Humidity	21 deg. C / 32 % RH
Engineer	Yuichiro Yamazaki
Mode	Tx

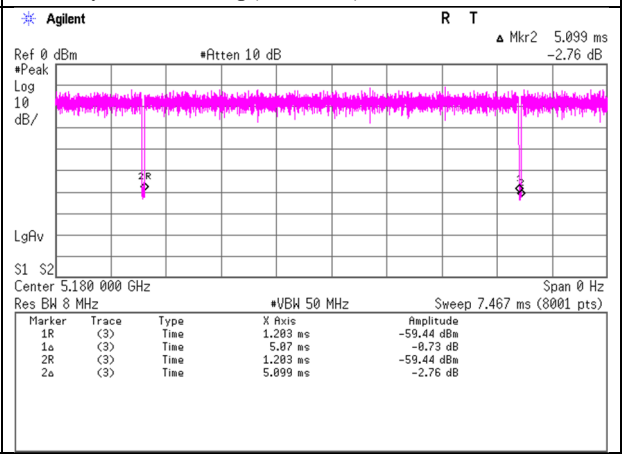
11a
6Mbps

Tx on / (Tx on + Tx off) =	0.994
Tx on / (Tx on + Tx off) * 100 =	99.4 %
Duty factor = 10 * log (5.518 / 5.486) =	0.03 dB



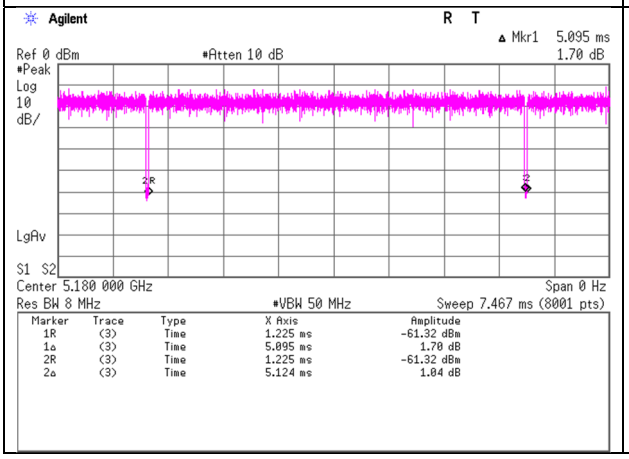
11n-20
MCS 0

Tx on / (Tx on + Tx off) =	0.994
Tx on / (Tx on + Tx off) * 100 =	99.4 %
Duty factor = 10 * log (5.099 / 5.07) =	0.02 dB



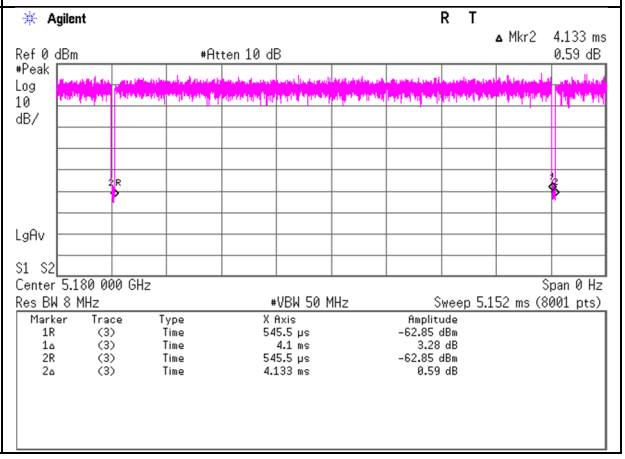
11ac-20
MCS 0

Tx on / (Tx on + Tx off) =	0.994
Tx on / (Tx on + Tx off) * 100 =	99.4 %
Duty factor = 10 * log (5.124 / 5.095) =	0.02 dB



11ax-20 (OFDM)
MCS 0

Tx on / (Tx on + Tx off) =	0.992
Tx on / (Tx on + Tx off) * 100 =	99.2 %
Duty factor = 10 * log (4.133 / 4.1) =	0.03 dB

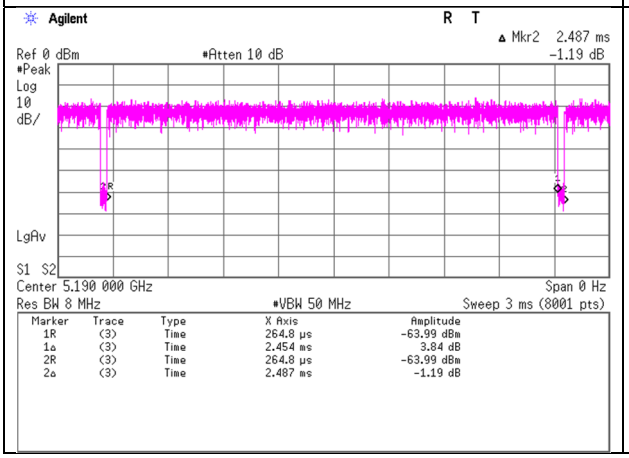


Burst rate confirmation

Test place	Ise EMC Lab. No.2 Measurement Room
Date	January 26, 2022
Temperature / Humidity	21 deg. C / 32 % RH
Engineer	Yuichiro Yamazaki
Mode	Tx

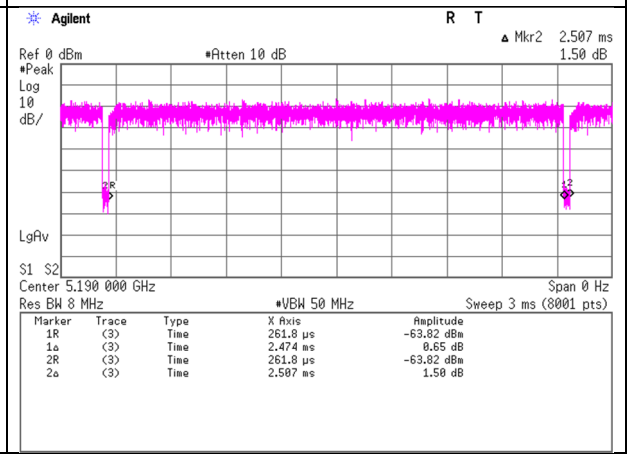
11n-40 MCS 0

Tx on / (Tx on + Tx off) =	0.987
Tx on / (Tx on + Tx off) * 100 =	98.7 %
Duty factor = 10 * log (2.487 / 2.454) =	0.06 dB



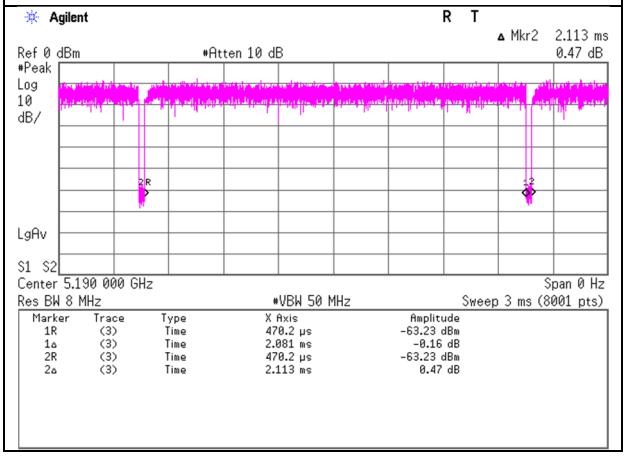
11ac-40 MCS 0

Tx on / (Tx on + Tx off) =	0.987
Tx on / (Tx on + Tx off) * 100 =	98.7 %
Duty factor = 10 * log (2.507 / 2.474) =	0.06 dB



11ax-40 (OFDM) MCS 0

Tx on / (Tx on + Tx off) =	0.985
Tx on / (Tx on + Tx off) * 100 =	98.5 %
Duty factor = 10 * log (2.113 / 2.081) =	0.07 dB

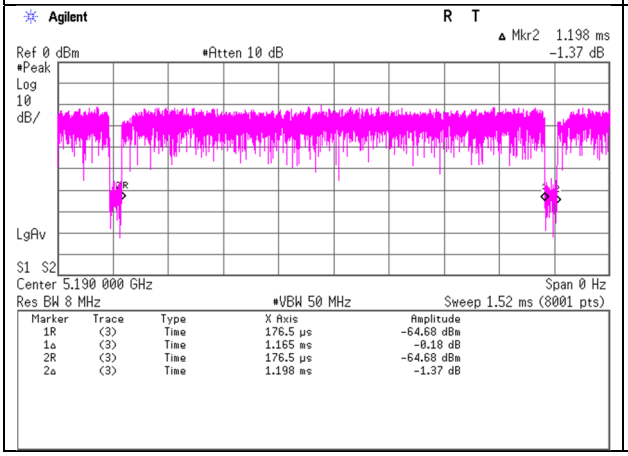


Burst rate confirmation

Test place	Ise EMC Lab. No.2 Measurement Room
Date	January 26, 2022
Temperature / Humidity	21 deg. C / 32 % RH
Engineer	Yuichiro Yamazaki
Mode	Tx

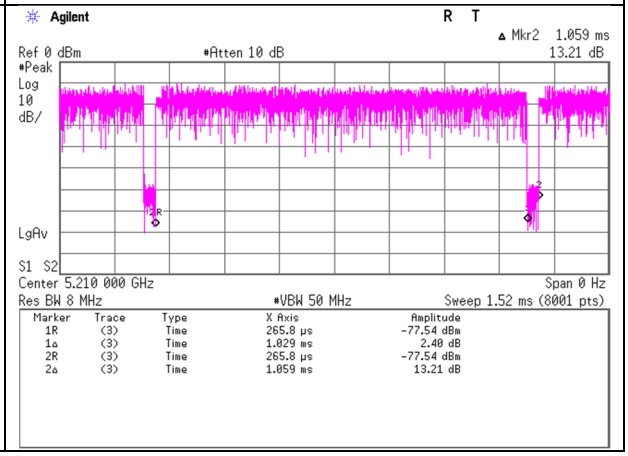
11ac-80 MCS 0

Tx on / (Tx on + Tx off) =	**0.972**
Tx on / (Tx on + Tx off) * 100 =	**97.2 %**
Duty factor = 10 * log (1.198 / 1.165) =	**0.12 dB**



11ax-80 (OFDM) MCS 0

Tx on / (Tx on + Tx off) =	**0.972**
Tx on / (Tx on + Tx off) * 100 =	**97.2 %**
Duty factor = 10 * log (1.059 / 1.029) =	**0.12 dB**

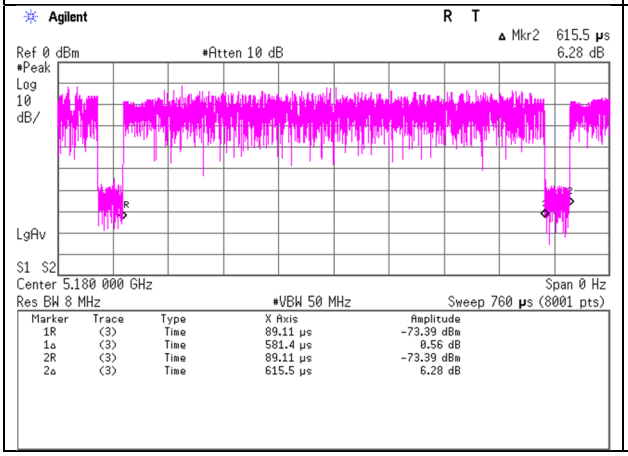


Burst rate confirmation

Test place	Ise EMC Lab. No.2 Measurement Room
Date	January 26, 2022
Temperature / Humidity	21 deg. C / 32 % RH
Engineer	Yuichiro Yamazaki
Mode	Tx

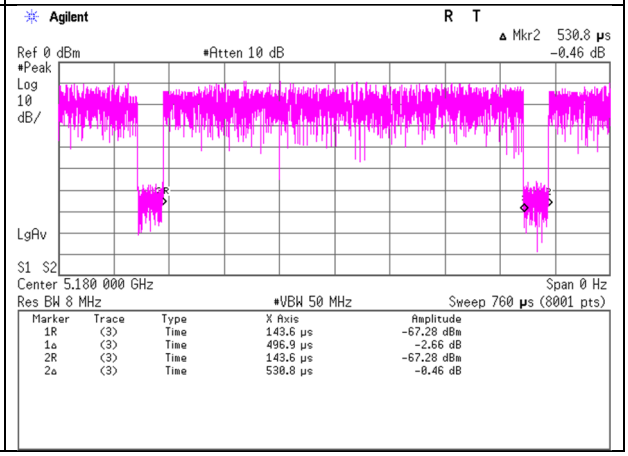
11ax-20 (26-tone RU) MCS 0

Tx on / (Tx on + Tx off) =	0.945
Tx on / (Tx on + Tx off) * 100 =	94.5 %
Duty factor = 10 * log (615.5 / 581.4) =	0.25 dB



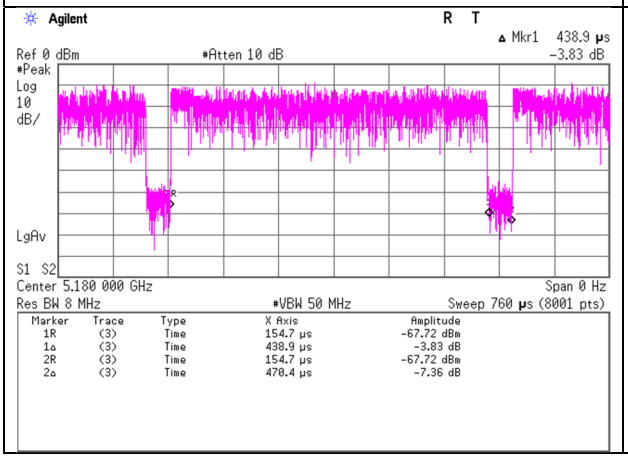
11ax-20 (52-tone RU) MCS 0

Tx on / (Tx on + Tx off) =	0.936
Tx on / (Tx on + Tx off) * 100 =	93.6 %
Duty factor = 10 * log (530.8 / 496.9) =	0.29 dB



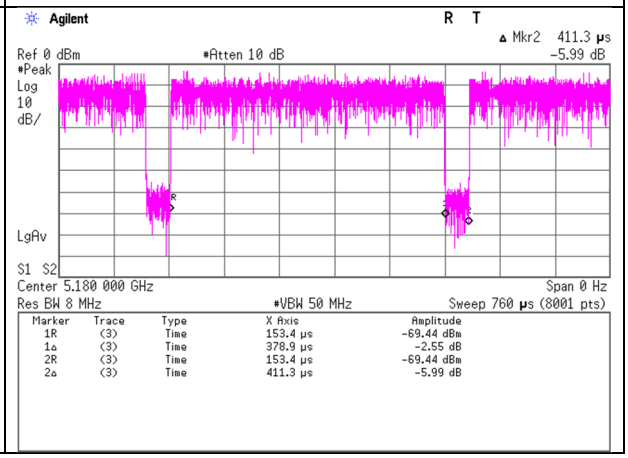
11ax-20 (106-tone RU) MCS 0

Tx on / (Tx on + Tx off) =	0.933
Tx on / (Tx on + Tx off) * 100 =	93.3 %
Duty factor = 10 * log (470.4 / 438.9) =	0.30 dB



11ax-20 (242-tone RU) MCS 0

Tx on / (Tx on + Tx off) =	0.921
Tx on / (Tx on + Tx off) * 100 =	92.1 %
Duty factor = 10 * log (411.3 / 378.9) =	0.36 dB

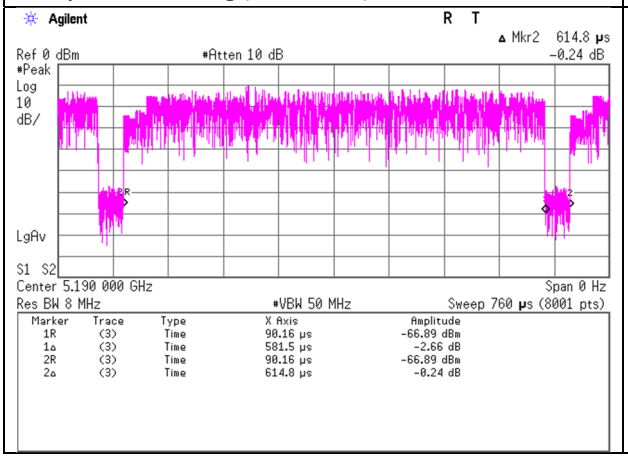


Burst rate confirmation

Test place	Ise EMC Lab. No.2 Measurement Room
Date	January 26, 2022
Temperature / Humidity	21 deg. C / 32 % RH
Engineer	Yuichiro Yamazaki
Mode	Tx

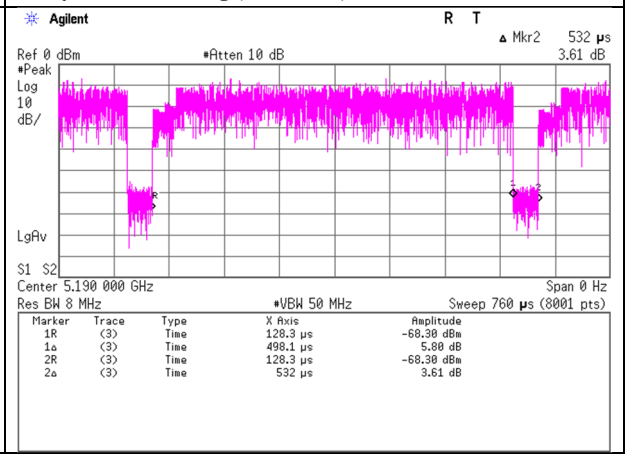
11ax-40 (26-tone RU) MCS 0

Tx on / (Tx on + Tx off) = 0.946
Tx on / (Tx on + Tx off) * 100 = 94.6 %
Duty factor = 10 * log (614.8 / 581.5) = 0.24 dB



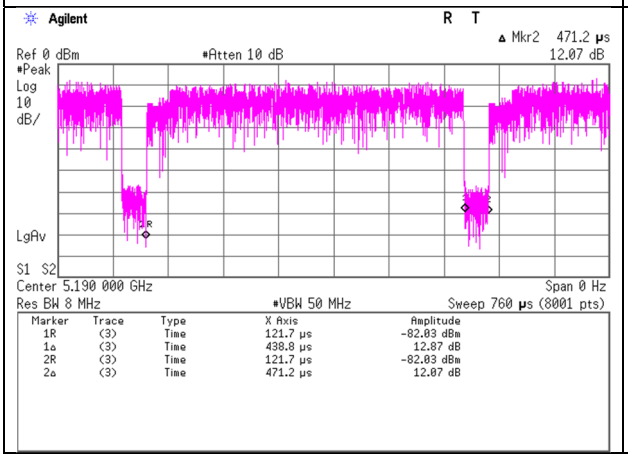
11ax-40 (52-tone RU) MCS 0

Tx on / (Tx on + Tx off) = 0.936
Tx on / (Tx on + Tx off) * 100 = 93.6 %
Duty factor = 10 * log (532 / 498.1) = 0.29 dB



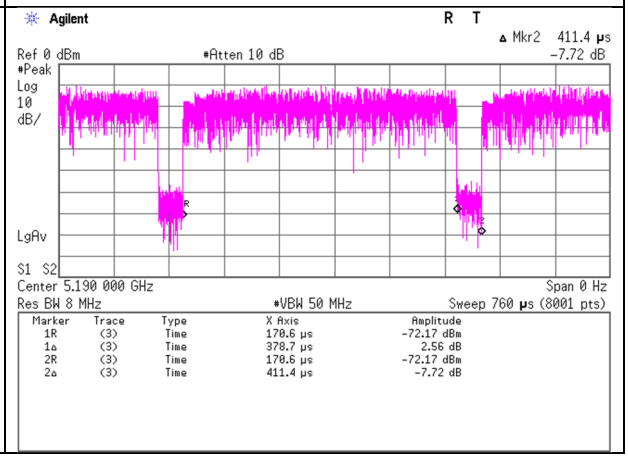
11ax-40 (106-tone RU) MCS 0

Tx on / (Tx on + Tx off) = 0.931
Tx on / (Tx on + Tx off) * 100 = 93.1 %
Duty factor = 10 * log (471.2 / 438.8) = 0.31 dB



11ax-40 (242-tone RU) MCS 0

Tx on / (Tx on + Tx off) = 0.921
Tx on / (Tx on + Tx off) * 100 = 92.1 %
Duty factor = 10 * log (411.4 / 378.7) = 0.36 dB

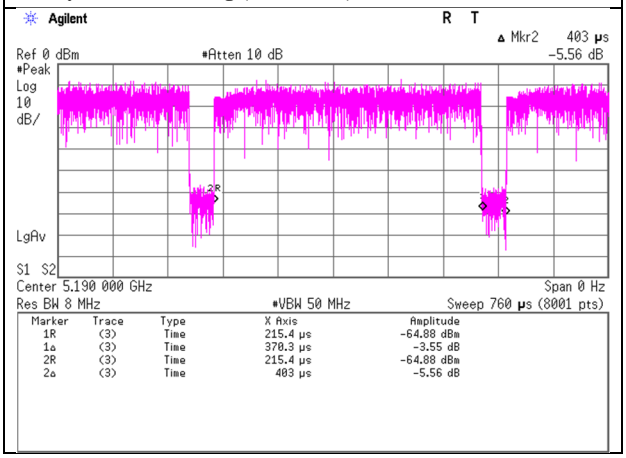


Burst rate confirmation

Test place	Ise EMC Lab. No.2 Measurement Room
Date	January 26, 2022
Temperature / Humidity	21 deg. C / 32 % RH
Engineer	Yuichiro Yamazaki
Mode	Tx

11ax-40 (484-tone RU)
MCS 0

Tx on / (Tx on + Tx off) =	**0.919**
Tx on / (Tx on + Tx off) * 100 =	**91.9 %**
Duty factor = 10 * log (403 / 370.3) =	**0.37 dB**

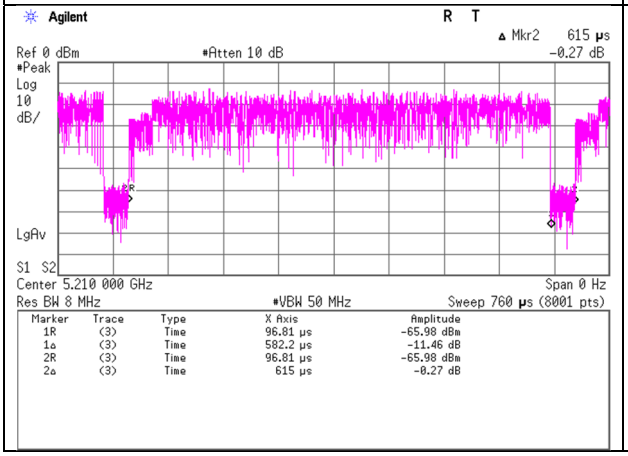


Burst rate confirmation

Test place	Ise EMC Lab. No.2 Measurement Room
Date	January 26, 2022
Temperature / Humidity	21 deg. C / 32 % RH
Engineer	Yuichiro Yamazaki
Mode	Tx

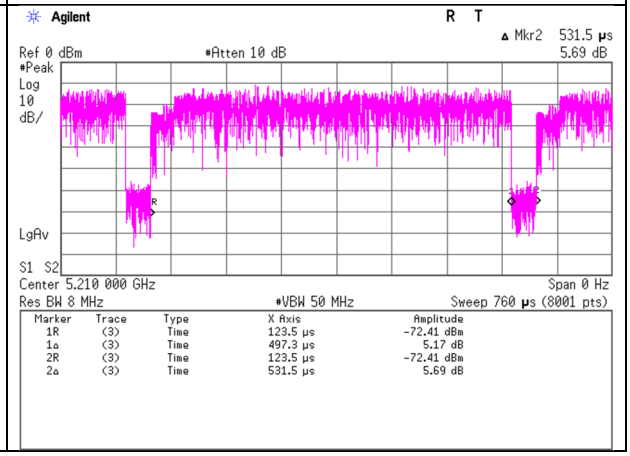
11ax-80 (26-tone RU) MCS 0

Tx on / (Tx on + Tx off) = 0.947
Tx on / (Tx on + Tx off) * 100 = 94.7 %
Duty factor = 10 * log (615 / 582.2) = 0.24 dB



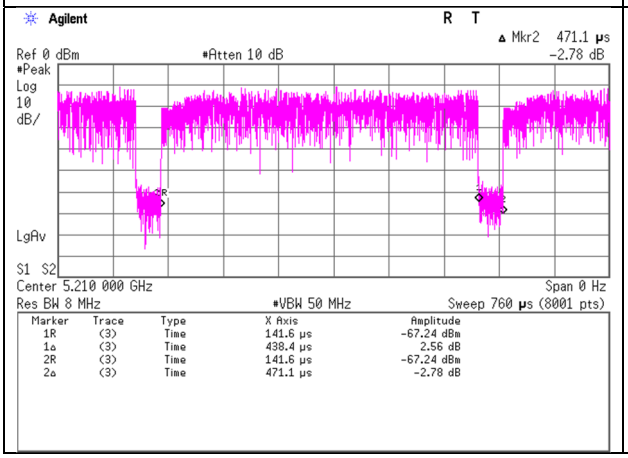
11ax-80 (52-tone RU) MCS 0

Tx on / (Tx on + Tx off) = 0.936
Tx on / (Tx on + Tx off) * 100 = 93.6 %
Duty factor = 10 * log (531.5 / 497.3) = 0.29 dB



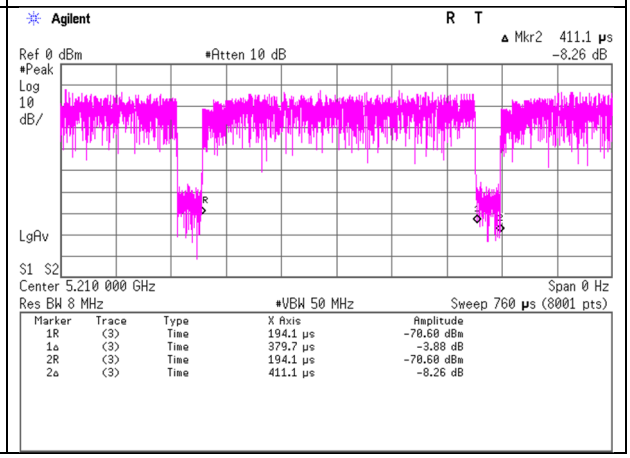
11ax-80 (106-tone RU) MCS 0

Tx on / (Tx on + Tx off) = 0.931
Tx on / (Tx on + Tx off) * 100 = 93.1 %
Duty factor = 10 * log (471.1 / 438.4) = 0.31 dB



11ax-80 (242-tone RU) MCS 0

Tx on / (Tx on + Tx off) = 0.924
Tx on / (Tx on + Tx off) * 100 = 92.4 %
Duty factor = 10 * log (411.1 / 379.7) = 0.35 dB

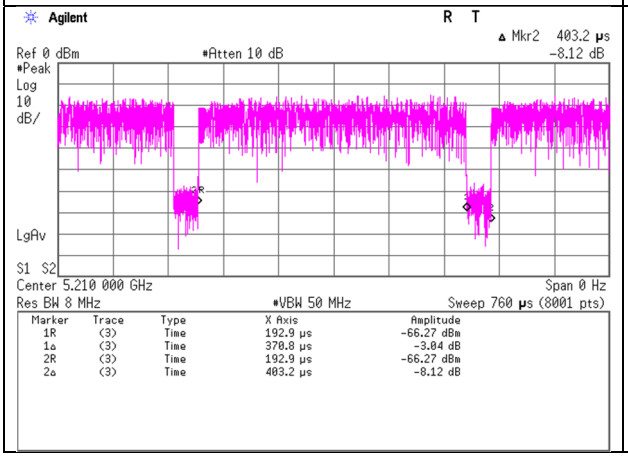


Burst rate confirmation

Test place	Ise EMC Lab. No.2 Measurement Room
Date	January 26, 2022
Temperature / Humidity	21 deg. C / 32 % RH
Engineer	Yuichiro Yamazaki
Mode	Tx

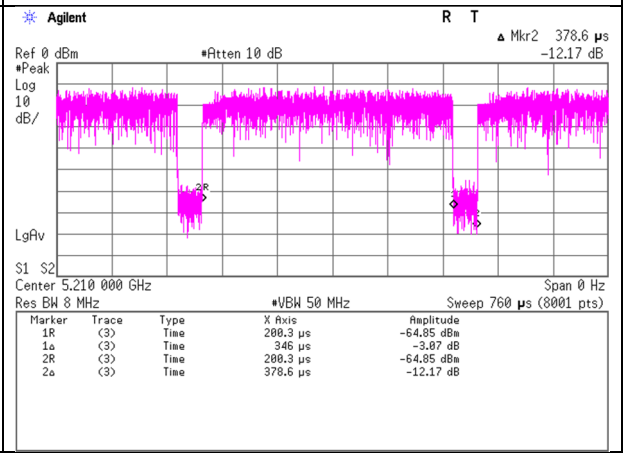
11ax-80 (484-tone RU) MCS 0

Tx on / (Tx on + Tx off) = 0.920
Tx on / (Tx on + Tx off) * 100 = 92.0 %
Duty factor = 10 * log (403.2 / 370.8) = 0.36 dB



11ax-80 (996-tone RU) MCS 0

Tx on / (Tx on + Tx off) = 0.914
Tx on / (Tx on + Tx off) * 100 = 91.4 %
Duty factor = 10 * log (378.6 / 346) = 0.39 dB



Maximum Power Spectral Density

Test place	Ise EMC Lab. No.8 Measurement Room
Date	February 10, 2022
Temperature / Humidity	24 deg. C / 35 % RH
Engineer	Kiyoshiro Okazaki
Mode	Tx 11a

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1	3	Sum				1	3	Sum			
[MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5180	0.41	0.62	1.02	0.10	8.26	8.16	3.05	4.61	7.66	8.84	17.00	8.16
5220	0.42	0.64	1.06	0.26	8.26	8.00	3.14	4.80	7.94	9.00	17.00	8.00
5240	0.42	0.67	1.09	0.37	8.26	7.89	3.16	4.98	8.14	9.11	17.00	7.89
5260	0.61	0.92	1.53	1.86	8.26	6.40	4.59	6.89	11.48	10.60	17.00	6.40
5300	0.64	0.86	1.49	1.74	8.26	6.52	4.75	6.43	11.18	10.48	17.00	6.52
5320	0.70	0.83	1.53	1.86	8.26	6.40	5.24	6.24	11.47	10.60	17.00	6.40
5500	0.70	0.62	1.32	1.20	8.26	7.06	5.24	4.63	9.87	9.94	17.00	7.06
5580	0.72	0.65	1.38	1.40	8.26	6.86	5.42	4.90	10.32	10.14	17.00	6.86
5700	0.65	0.77	1.42	1.53	8.26	6.73	4.85	5.78	10.63	10.27	17.00	6.73
5720	0.66	0.74	1.40	1.45	8.26	6.81	4.91	5.55	10.46	10.19	17.00	6.81
5745	0.37	0.38	0.75	-1.23	27.26	28.49	2.76	2.88	5.64	7.51	36.00	28.49
5785	0.39	0.37	0.76	-1.18	27.26	28.44	2.90	2.80	5.71	7.56	36.00	28.44
5825	0.41	0.41	0.82	-0.86	27.26	28.12	3.05	3.08	6.14	7.88	36.00	28.12

			Antenna 1						**Antenna 3**					
Tested Frequency	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	0.03	0.00	-14.42	0.90	9.59	8.74	-3.90	4.84	-12.72	1.00	9.59	8.74	-2.10	6.64
5220	0.03	0.00	-14.29	0.90	9.59	8.74	-3.77	4.97	-12.55	1.00	9.59	8.74	-1.93	6.81
5240	0.03	0.00	-14.26	0.90	9.59	8.74	-3.74	5.00	-12.39	1.00	9.59	8.74	-1.77	6.97
5260	0.03	0.00	-12.64	0.90	9.59	8.74	-2.12	6.62	-10.98	1.00	9.59	8.74	-0.36	8.38
5300	0.03	0.00	-12.49	0.90	9.59	8.74	-1.97	6.77	-11.28	1.00	9.59	8.74	-0.66	8.08
5320	0.03	0.00	-12.07	0.90	9.59	8.74	-1.55	7.19	-11.41	1.00	9.59	8.74	-0.79	7.95
5500	0.03	0.00	-12.16	1.00	9.58	8.74	-1.55	7.19	-12.79	1.10	9.58	8.74	-2.08	6.66
5580	0.03	0.00	-12.01	1.00	9.58	8.74	-1.40	7.34	-12.55	1.10	9.58	8.74	-1.84	6.90
5700	0.03	0.00	-12.50	1.00	9.59	8.74	-1.88	6.86	-11.84	1.10	9.59	8.74	-1.12	7.62
5720	0.03	0.00	-12.45	1.00	9.59	8.74	-1.83	6.91	-12.02	1.10	9.59	8.74	-1.30	7.44
5745	0.03	0.27	-15.22	1.00	9.59	8.74	-4.33	4.41	-15.14	1.10	9.59	8.74	-4.15	4.59
5785	0.03	0.27	-15.00	1.00	9.59	8.74	-4.11	4.63	-15.25	1.10	9.59	8.74	-4.26	4.48
5825	0.03	0.27	-14.79	1.00	9.60	8.74	-3.89	4.85	-14.85	1.10	9.60	8.74	-3.85	4.89

Sample Calculation:
PSD: Power Spectral Density
The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.
RBW Correction Factor = 10 * log (Specified bandwidth / Measured bandwidth)
PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor
PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain
The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

Maximum Power Spectral Density

Test place	Ise EMC Lab. No.8 Measurement Room
Date	February 10, 2022
Temperature / Humidity	21 deg. C / 36 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11n-20

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1	3	Sum				1	3	Sum			
[MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5180	0.39	0.63	1.02	0.07	8.26	8.19	2.88	4.72	7.60	8.81	17.00	8.19
5220	0.40	0.64	1.04	0.17	8.26	8.09	2.98	4.80	7.78	8.91	17.00	8.09
5240	0.41	0.67	1.08	0.33	8.26	7.93	3.04	5.03	8.08	9.07	17.00	7.93
5260	0.59	0.95	1.54	1.87	8.26	6.39	4.38	7.14	11.51	10.61	17.00	6.39
5300	0.57	0.83	1.40	1.45	8.26	6.81	4.28	6.18	10.45	10.19	17.00	6.81
5320	0.63	0.84	1.47	1.67	8.26	6.59	4.71	6.27	10.98	10.41	17.00	6.59
5500	0.67	0.61	1.28	1.08	8.26	7.18	5.02	4.57	9.58	9.82	17.00	7.18
5580	0.72	0.62	1.34	1.27	8.26	6.99	5.36	4.67	10.03	10.01	17.00	6.99
5700	0.63	0.71	1.34	1.26	8.26	7.00	4.68	5.33	10.01	10.00	17.00	7.00
5720	0.62	0.75	1.37	1.37	8.26	6.89	4.66	5.60	10.26	10.11	17.00	6.89
5745	0.36	0.38	0.74	-1.30	27.26	28.56	2.69	2.86	5.55	7.44	36.00	28.56
5785	0.34	0.38	0.73	-1.38	27.26	28.64	2.57	2.87	5.44	7.36	36.00	28.64
5825	0.38	0.44	0.82	-0.86	27.26	28.12	2.86	3.28	6.13	7.88	36.00	28.12

			Antenna 1						**Antenna 3**					
Tested Frequency	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	0.02	0.00	-14.66	0.90	9.59	8.74	-4.15	4.60	-12.61	1.00	9.59	8.74	-2.00	6.74
5220	0.02	0.00	-14.51	0.90	9.59	8.74	-4.00	4.74	-12.54	1.00	9.59	8.74	-1.93	6.81
5240	0.02	0.00	-14.42	0.90	9.59	8.74	-3.91	4.83	-12.33	1.00	9.59	8.74	-1.72	7.02
5260	0.02	0.00	-12.84	0.90	9.59	8.74	-2.33	6.41	-10.82	1.00	9.59	8.74	-0.21	8.53
5300	0.02	0.00	-12.94	0.90	9.59	8.74	-2.43	6.31	-11.44	1.00	9.59	8.74	-0.83	7.91
5320	0.02	0.00	-12.52	0.90	9.59	8.74	-2.01	6.73	-11.37	1.00	9.59	8.74	-0.76	7.98
5500	0.02	0.00	-12.34	1.00	9.58	8.74	-1.74	7.00	-12.84	1.10	9.58	8.74	-2.14	6.60
5580	0.02	0.00	-12.05	1.00	9.58	8.74	-1.45	7.29	-12.75	1.10	9.58	8.74	-2.05	6.69
5700	0.02	0.00	-12.65	1.00	9.59	8.74	-2.04	6.70	-12.19	1.10	9.59	8.74	-1.48	7.27
5720	0.02	0.00	-12.67	1.00	9.59	8.74	-2.06	6.68	-11.97	1.10	9.59	8.74	-1.26	7.48
5745	0.02	0.27	-15.32	1.00	9.59	8.74	-4.44	4.30	-15.16	1.10	9.59	8.74	-4.18	4.56
5785	0.02	0.27	-15.52	1.00	9.59	8.74	-4.64	4.10	-15.13	1.10	9.59	8.74	-4.15	4.59
5825	0.02	0.27	-15.07	1.00	9.60	8.74	-4.18	4.56	-14.58	1.10	9.60	8.74	-3.59	5.15

Sample Calculation:
PSD: Power Spectral Density
The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.
RBW Correction Factor = 10 * log (Specified bandwidth / Measured bandwidth)
PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor
PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain
The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

Maximum Power Spectral Density

Test place	Ise EMC Lab. No.8 Measurement Room
Date	February 10, 2022
Temperature / Humidity	21 deg. C / 36 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ac-20

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1	3	Sum				1	3	Sum			
[MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5180	0.37	0.65	1.03	0.11	8.26	8.15	2.78	4.90	7.68	8.85	17.00	8.15
5220	0.38	0.62	1.00	0.00	8.26	8.26	2.81	4.67	7.48	8.74	17.00	8.26
5240	0.42	0.70	1.12	0.49	8.26	7.77	3.16	5.21	8.38	9.23	17.00	7.77
5260	0.60	0.92	1.53	1.83	8.26	6.43	4.51	6.91	11.41	10.57	17.00	6.43
5300	0.57	0.86	1.43	1.56	8.26	6.70	4.29	6.43	10.72	10.30	17.00	6.70
5320	0.61	0.84	1.45	1.60	8.26	6.66	4.55	6.28	10.83	10.34	17.00	6.66
5500	0.68	0.61	1.29	1.09	8.26	7.17	5.05	4.56	9.62	9.83	17.00	7.17
5580	0.69	0.63	1.32	1.20	8.26	7.06	5.15	4.72	9.87	9.94	17.00	7.06
5700	0.61	0.75	1.36	1.35	8.26	6.91	4.59	5.62	10.21	10.09	17.00	6.91
5720	0.61	0.79	1.40	1.46	8.26	6.80	4.54	5.93	10.47	10.20	17.00	6.80
5745	0.34	0.39	0.73	-1.36	27.26	28.62	2.58	2.90	5.47	7.38	36.00	28.62
5785	0.35	0.39	0.75	-1.26	27.26	28.52	2.66	2.95	5.60	7.48	36.00	28.52
5825	0.38	0.40	0.78	-1.10	27.26	28.36	2.83	2.98	5.81	7.64	36.00	28.36

			Antenna 1						**Antenna 3**					
Tested Frequency	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	0.02	0.00	-14.81	0.90	9.59	8.74	-4.30	4.44	-12.45	1.00	9.59	8.74	-1.84	6.90
5220	0.02	0.00	-14.76	0.90	9.59	8.74	-4.25	4.49	-12.65	1.00	9.59	8.74	-2.04	6.70
5240	0.02	0.00	-14.25	0.90	9.59	8.74	-3.74	5.00	-12.18	1.00	9.59	8.74	-1.57	7.17
5260	0.02	0.00	-12.71	0.90	9.59	8.74	-2.20	6.54	-10.96	1.00	9.59	8.74	-0.35	8.39
5300	0.02	0.00	-12.92	0.90	9.59	8.74	-2.41	6.33	-11.27	1.00	9.59	8.74	-0.66	8.08
5320	0.02	0.00	-12.67	0.90	9.59	8.74	-2.16	6.58	-11.37	1.00	9.59	8.74	-0.76	7.98
5500	0.02	0.00	-12.30	1.00	9.58	8.74	-1.70	7.04	-12.85	1.10	9.58	8.74	-2.15	6.59
5580	0.02	0.00	-12.22	1.00	9.58	8.74	-1.62	7.12	-12.70	1.10	9.58	8.74	-2.00	6.74
5700	0.02	0.00	-12.73	1.00	9.59	8.74	-2.12	6.62	-11.95	1.10	9.59	8.74	-1.24	7.50
5720	0.02	0.00	-12.78	1.00	9.59	8.74	-2.17	6.57	-11.72	1.10	9.59	8.74	-1.01	7.73
5745	0.02	0.27	-15.51	1.00	9.59	8.74	-4.63	4.11	-15.10	1.10	9.59	8.74	-4.12	4.62
5785	0.02	0.27	-15.38	1.00	9.59	8.74	-4.50	4.24	-15.03	1.10	9.59	8.74	-4.05	4.69
5825	0.02	0.27	-15.11	1.00	9.60	8.74	-4.22	4.52	-14.99	1.10	9.60	8.74	-4.00	4.74

Sample Calculation:
PSD: Power Spectral Density
The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.
RBW Correction Factor = 10 * log (Specified bandwidth / Measured bandwidth)
PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor
PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain
The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

Maximum Power Spectral Density

Test place	Ise EMC Lab. No.8 Measurement Room
Date	February 10, 2022
Temperature / Humidity	21 deg. C / 36 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-20 (OFDM)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1	3	Sum				1	3	Sum			
[MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5180	0.35	0.58	0.93	-0.34	8.26	8.60	2.62	4.30	6.92	8.40	17.00	8.60
5220	0.38	0.56	0.94	-0.26	8.26	8.52	2.83	4.22	7.05	8.48	17.00	8.52
5240	0.40	0.63	1.03	0.13	8.26	8.13	2.99	4.72	7.72	8.87	17.00	8.13
5260	0.57	0.83	1.40	1.47	8.26	6.79	4.27	6.22	10.49	10.21	17.00	6.79
5300	0.58	0.73	1.31	1.18	8.26	7.08	4.35	5.47	9.82	9.92	17.00	7.08
5320	0.59	0.76	1.34	1.29	8.26	6.97	4.41	5.65	10.06	10.03	17.00	6.97
5500	0.64	0.57	1.21	0.84	8.26	7.42	4.82	4.27	9.09	9.58	17.00	7.42
5580	0.66	0.57	1.23	0.88	8.26	7.38	4.93	4.24	9.17	9.62	17.00	7.38
5700	0.55	0.66	1.21	0.84	8.26	7.42	4.13	4.96	9.08	9.58	17.00	7.42
5720	0.58	0.64	1.23	0.88	8.26	7.38	4.37	4.80	9.17	9.62	17.00	7.38
5745	0.32	0.34	0.67	-1.75	27.26	29.01	2.42	2.57	5.00	6.99	36.00	29.01
5785	0.32	0.33	0.65	-1.89	27.26	29.15	2.37	2.47	4.84	6.85	36.00	29.15
5825	0.35	0.35	0.70	-1.55	27.26	28.81	2.62	2.62	5.23	7.19	36.00	28.81

			Antenna 1						**Antenna 3**					
Tested Frequency	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	0.03	0.00	-15.08	0.90	9.59	8.74	-4.56	4.18	-13.02	1.00	9.59	8.74	-2.40	6.34
5220	0.03	0.00	-14.74	0.90	9.59	8.74	-4.22	4.52	-13.11	1.00	9.59	8.74	-2.49	6.25
5240	0.03	0.00	-14.50	0.90	9.59	8.74	-3.98	4.76	-12.62	1.00	9.59	8.74	-2.00	6.74
5260	0.03	0.00	-12.96	0.90	9.59	8.74	-2.44	6.30	-11.42	1.00	9.59	8.74	-0.80	7.94
5300	0.03	0.00	-12.88	0.90	9.59	8.74	-2.36	6.38	-11.98	1.00	9.59	8.74	-1.36	7.38
5320	0.03	0.00	-12.82	0.90	9.59	8.74	-2.30	6.44	-11.84	1.00	9.59	8.74	-1.22	7.52
5500	0.03	0.00	-12.52	1.00	9.58	8.74	-1.91	6.83	-13.15	1.10	9.58	8.74	-2.44	6.31
5580	0.03	0.00	-12.42	1.00	9.58	8.74	-1.81	6.93	-13.18	1.10	9.58	8.74	-2.47	6.27
5700	0.03	0.00	-13.21	1.00	9.59	8.74	-2.59	6.16	-12.51	1.10	9.59	8.74	-1.79	6.95
5720	0.03	0.00	-12.95	1.00	9.59	8.74	-2.33	6.41	-12.65	1.10	9.59	8.74	-1.93	6.81
5745	0.03	0.27	-15.79	1.00	9.59	8.74	-4.90	3.84	-15.62	1.10	9.59	8.74	-4.63	4.11
5785	0.03	0.27	-15.88	1.00	9.59	8.74	-4.99	3.75	-15.81	1.10	9.59	8.74	-4.82	3.92
5825	0.03	0.27	-15.46	1.00	9.60	8.74	-4.57	4.17	-15.56	1.10	9.60	8.74	-4.56	4.18

Sample Calculation:
PSD: Power Spectral Density
The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.
RBW Correction Factor = 10 * log (Specified bandwidth / Measured bandwidth)
PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor
PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain
The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

Maximum Power Spectral Density

Test place	Ise EMC Lab. No.8 Measurement Room	
Date	February 7, 2022	February 9, 2022
Temperature / Humidity	22 deg. C / 42 % RH	22 deg. C / 41 % RH
Engineer	Kiyoshiro Okazaki	Takafumi Noguchi
Mode	Tx 11ax-20 OFDMA (26-tone RU)	

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		1	3	Sum				1	3	Sum			
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5180	0	0.33	0.40	0.73	-1.37	8.26	9.63	2.45	3.00	5.45	7.37	17.00	9.63
	4	0.27	0.38	0.66	-1.83	8.26	10.09	2.04	2.87	4.91	6.91	17.00	10.09
	8	0.35	0.46	0.80	-0.95	8.26	9.21	2.59	3.43	6.01	7.79	17.00	9.21
5220	0	0.29	0.48	0.77	-1.12	8.26	9.38	2.20	3.59	5.78	7.62	17.00	9.38
	4	0.26	0.45	0.71	-1.46	8.26	9.72	1.97	3.37	5.34	7.28	17.00	9.72
	8	0.32	0.58	0.90	-0.47	8.26	8.73	2.39	4.33	6.72	8.27	17.00	8.73
5240	0	0.34	0.52	0.86	-0.65	8.26	8.91	2.57	3.87	6.44	8.09	17.00	8.91
	4	0.29	0.45	0.74	-1.30	8.26	9.56	2.15	3.39	5.54	7.44	17.00	9.56
	8	0.39	0.59	0.98	-0.07	8.26	8.33	2.92	4.45	7.37	8.67	17.00	8.33
5260	0	0.37	0.71	1.08	0.35	8.26	7.91	2.80	5.30	8.11	9.09	17.00	7.91
	4	0.34	0.59	0.94	-0.27	8.26	8.53	2.58	4.45	7.02	8.47	17.00	8.53
	8	0.46	0.73	1.18	0.73	8.26	7.53	3.43	5.43	8.86	9.47	17.00	7.53
5300	0	0.44	0.59	1.03	0.13	8.26	8.13	3.29	4.42	7.71	8.87	17.00	8.13
	4	0.38	0.48	0.86	-0.66	8.26	8.92	2.82	3.61	6.43	8.08	17.00	8.92
	8	0.48	0.66	1.14	0.57	8.26	7.69	3.55	4.97	8.53	9.31	17.00	7.69
5320	0	0.45	0.61	1.06	0.24	8.26	8.02	3.39	4.53	7.92	8.98	17.00	8.02
	4	0.41	0.54	0.95	-0.20	8.26	8.46	3.10	4.04	7.14	8.54	17.00	8.46
	8	0.50	0.71	1.21	0.84	8.26	7.42	3.73	5.34	9.07	9.58	17.00	7.42

				Antenna 1						**Antenna 3**					
Tested Frequency	RU Index	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
								Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	0	0.25	0.00	-15.59	0.90	9.59	8.74	-4.85	3.89	-14.80	1.00	9.59	8.74	-3.96	4.78
	4	0.25	0.00	-16.39	0.90	9.59	8.74	-5.65	3.09	-15.00	1.00	9.59	8.74	-4.16	4.58
	8	0.25	0.00	-15.35	0.90	9.59	8.74	-4.61	4.13	-14.23	1.00	9.59	8.74	-3.39	5.35
5220	0	0.25	0.00	-16.06	0.90	9.59	8.74	-5.32	3.42	-14.04	1.00	9.59	8.74	-3.20	5.55
	4	0.25	0.00	-16.54	0.90	9.59	8.74	-5.80	2.94	-14.30	1.00	9.59	8.74	-3.46	5.28
	8	0.25	0.00	-15.69	0.90	9.59	8.74	-4.95	3.79	-13.22	1.00	9.59	8.74	-2.38	6.36
5240	0	0.25	0.00	-15.38	0.90	9.59	8.74	-4.64	4.10	-13.70	1.00	9.59	8.74	-2.86	5.88
	4	0.25	0.00	-16.15	0.90	9.59	8.74	-5.41	3.33	-14.28	1.00	9.59	8.74	-3.44	5.30
	8	0.25	0.00	-14.82	0.90	9.59	8.74	-4.08	4.66	-13.10	1.00	9.59	8.74	-2.26	6.48
5260	0	0.25	0.00	-15.00	0.90	9.59	8.74	-4.26	4.48	-12.34	1.00	9.59	8.74	-1.50	7.24
	4	0.25	0.00	-15.37	0.90	9.59	8.74	-4.63	4.12	-13.10	1.00	9.59	8.74	-2.26	6.48
	8	0.25	0.00	-14.13	0.90	9.59	8.74	-3.39	5.35	-12.23	1.00	9.59	8.74	-1.39	7.35
5300	0	0.25	0.00	-14.30	0.90	9.59	8.74	-3.56	5.18	-13.13	1.00	9.59	8.74	-2.29	6.45
	4	0.25	0.00	-14.98	0.90	9.59	8.74	-4.24	4.50	-14.00	1.00	9.59	8.74	-3.16	5.58
	8	0.25	0.00	-13.97	0.90	9.59	8.74	-3.23	5.51	-12.61	1.00	9.59	8.74	-1.77	6.97
5320	0	0.25	0.00	-14.18	0.90	9.59	8.74	-3.44	5.30	-13.02	1.00	9.59	8.74	-2.18	6.56
	4	0.25	0.00	-14.57	0.90	9.59	8.74	-3.83	4.91	-13.51	1.00	9.59	8.74	-2.67	6.07
	8	0.25	0.00	-13.76	0.90	9.59	8.74	-3.02	5.72	-12.30	1.00	9.59	8.74	-1.46	7.28

Sample Calculation:
PSD: Power Spectral Density
The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.
RBW Correction Factor = 10 * log (Specified bandwidth / Measured bandwidth)
PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor
PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain
The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

Maximum Power Spectral Density

Test place	Ise EMC Lab. No.8 Measurement Room	
Date	February 7, 2022	February 9, 2022
Temperature / Humidity	22 deg. C / 42 % RH	22 deg. C / 41 % RH
Engineer	Kiyoshiro Okazaki	Takafumi Noguchi
Mode	Tx 11ax-20 OFDMA (26-tone RU)	

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	PSD (Conducted) Antenna 1	Antenna 3	Sum	Result	Limit	Margin	PSD (e.i.r.p.) Antenna 1	Antenna 3	Sum	Result	Limit	Margin
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5500	0	0.54	0.45	0.99	-0.06	8.26	8.32	4.01	3.37	7.38	8.68	17.00	8.32
	4	0.42	0.39	0.81	-0.93	8.26	9.19	3.14	2.90	6.04	7.81	17.00	9.19
	8	0.56	0.45	1.01	0.03	8.26	8.23	4.16	3.36	7.53	8.77	17.00	8.23
5580	0	0.60	0.48	1.08	0.33	8.26	7.93	4.50	3.57	8.07	9.07	17.00	7.93
	4	0.48	0.43	0.91	-0.42	8.26	8.68	3.59	3.20	6.79	8.32	17.00	8.68
	8	0.55	0.60	1.15	0.59	8.26	7.67	4.09	4.48	8.57	9.33	17.00	7.67
5700	0	0.52	0.61	1.12	0.51	8.26	7.75	3.87	4.54	8.41	9.25	17.00	7.75
	4	0.40	0.51	0.91	-0.42	8.26	8.68	2.98	3.82	6.80	8.32	17.00	8.68
	8	0.50	0.62	1.13	0.52	8.26	7.74	3.77	4.65	8.43	9.26	17.00	7.74
5720	0	0.47	0.54	1.02	0.07	8.26	8.19	3.55	4.05	7.59	8.81	17.00	8.19
	4	0.40	0.47	0.87	-0.62	8.26	8.88	2.96	3.52	6.48	8.12	17.00	8.88
	8	0.50	0.54	1.04	0.17	8.26	8.09	3.73	4.06	7.79	8.91	17.00	8.09
5745	0	0.29	0.28	0.57	-2.46	27.26	29.72	2.15	2.10	4.25	6.28	36.00	29.72
	4	0.28	0.29	0.56	-2.48	27.26	29.74	2.07	2.16	4.22	6.26	36.00	29.74
	8	0.29	0.29	0.58	-2.34	27.26	29.60	2.16	2.20	4.36	6.40	36.00	29.60
5785	0	0.27	0.31	0.58	-2.40	27.26	29.66	2.01	2.29	4.30	6.34	36.00	29.66
	4	0.28	0.30	0.57	-2.41	27.26	29.67	2.08	2.22	4.29	6.33	36.00	29.67
	8	0.30	0.30	0.59	-2.26	27.26	29.52	2.21	2.24	4.45	6.48	36.00	29.52
5825	0	0.30	0.34	0.64	-1.93	27.26	29.19	2.26	2.54	4.80	6.81	36.00	29.19
	4	0.30	0.34	0.64	-1.96	27.26	29.22	2.21	2.56	4.77	6.78	36.00	29.22
	8	0.31	0.36	0.67	-1.72	27.26	28.98	2.33	2.71	5.03	7.02	36.00	28.98

		Antenna 1								**Antenna 3**					
Tested Frequency	RU Index	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.
[MHz]		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5500	0	0.25	0.00	-13.54	1.00	9.58	8.74	-2.71	6.04	-14.40	1.10	9.58	8.74	-3.47	5.27
	4	0.25	0.00	-14.60	1.00	9.58	8.74	-3.77	4.98	-15.05	1.10	9.58	8.74	-4.12	4.62
	8	0.25	0.00	-13.38	1.00	9.58	8.74	-2.55	6.19	-14.40	1.10	9.58	8.74	-3.47	5.27
5580	0	0.25	0.00	-13.04	1.00	9.58	8.74	-2.21	6.53	-14.15	1.10	9.58	8.74	-3.22	5.52
	4	0.25	0.00	-14.02	1.00	9.58	8.74	-3.19	5.55	-14.62	1.10	9.58	8.74	-3.69	5.05
	8	0.25	0.00	-13.45	1.00	9.58	8.74	-2.62	6.12	-13.16	1.10	9.58	8.74	-2.23	6.51
5700	0	0.25	0.00	-13.70	1.00	9.59	8.74	-2.86	5.88	-13.11	1.10	9.59	8.74	-2.17	6.57
	4	0.25	0.00	-14.84	1.00	9.59	8.74	-4.00	4.74	-13.86	1.10	9.59	8.74	-2.92	5.82
	8	0.25	0.00	-13.81	1.00	9.59	8.74	-2.97	5.77	-13.00	1.10	9.59	8.74	-2.06	6.68
5720	0	0.25	0.00	-14.08	1.00	9.59	8.74	-3.24	5.50	-13.61	1.10	9.59	8.74	-2.67	6.07
	4	0.25	0.00	-14.87	1.00	9.59	8.74	-4.03	4.71	-14.21	1.10	9.59	8.74	-3.27	5.47
	8	0.25	0.00	-13.87	1.00	9.59	8.74	-3.03	5.71	-13.59	1.10	9.59	8.74	-2.65	6.09
5745	0	0.25	0.27	-16.53	1.00	9.59	8.74	-5.42	3.32	-16.73	1.10	9.59	8.74	-5.52	3.22
	4	0.25	0.27	-16.69	1.00	9.59	8.74	-5.58	3.16	-16.61	1.10	9.59	8.74	-5.41	3.33
	8	0.25	0.27	-16.50	1.00	9.59	8.74	-5.39	3.35	-16.52	1.10	9.59	8.74	-5.31	3.43
5785	0	0.25	0.27	-16.81	1.00	9.59	8.74	-5.70	3.04	-16.35	1.10	9.59	8.74	-5.14	3.60
	4	0.25	0.27	-16.68	1.00	9.59	8.74	-5.57	3.17	-16.49	1.10	9.59	8.74	-5.28	3.46
	8	0.25	0.27	-16.41	1.00	9.59	8.74	-5.30	3.44	-16.45	1.10	9.59	8.74	-5.24	3.50
5825	0	0.25	0.27	-16.31	1.00	9.60	8.74	-5.19	3.55	-15.92	1.10	9.60	8.74	-4.70	4.04
	4	0.25	0.27	-16.42	1.00	9.60	8.74	-5.30	3.44	-15.88	1.10	9.60	8.74	-4.66	4.08
	8	0.25	0.27	-16.19	1.00	9.60	8.74	-5.07	3.67	-15.64	1.10	9.60	8.74	-4.42	4.32

Sample Calculation:
PSD: Power Spectral Density
The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.
RBW Correction Factor = 10 * log (Specified bandwidth / Measured bandwidth)
PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor
PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain
The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

Maximum Power Spectral Density

Test place	Ise EMC Lab. No.8 Measurement Room	
Date	February 8, 2022	February 9, 2022
Temperature / Humidity	27 deg. C / 25 % RH	22 deg. C / 41 % RH
Engineer	Takafumi Noguchi	Takafumi Noguchi
Mode	Tx 11ax-20 OFDMA (52-tone RU)	

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		1	3	Sum				1	3	Sum			
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5180	37	0.34	0.53	0.87	-0.60	8.26	8.86	2.55	3.97	6.52	8.14	17.00	8.86
	38	0.34	0.54	0.88	-0.53	8.26	8.79	2.55	4.07	6.62	8.21	17.00	8.79
	40	0.36	0.59	0.94	-0.25	8.26	8.51	2.68	4.39	7.07	8.49	17.00	8.51
5220	37	0.33	0.52	0.85	-0.69	8.26	8.95	2.49	3.89	6.38	8.05	17.00	8.95
	38	0.34	0.56	0.90	-0.48	8.26	8.74	2.51	4.19	6.70	8.26	17.00	8.74
	40	0.34	0.59	0.93	-0.31	8.26	8.57	2.54	4.43	6.97	8.43	17.00	8.57
5240	37	0.37	0.58	0.95	-0.23	8.26	8.49	2.74	4.36	7.10	8.51	17.00	8.49
	38	0.38	0.69	1.07	0.28	8.26	7.98	2.84	5.14	7.98	9.02	17.00	7.98
	40	0.43	0.68	1.11	0.45	8.26	7.81	3.19	5.11	8.30	9.19	17.00	7.81
5260	37	0.47	0.77	1.24	0.95	8.26	7.31	3.54	5.76	9.31	9.69	17.00	7.31
	38	0.48	0.78	1.27	1.02	8.26	7.24	3.60	5.87	9.47	9.76	17.00	7.24
	40	0.55	0.80	1.35	1.30	8.26	6.96	4.13	5.96	10.09	10.04	17.00	6.96
5300	37	0.48	0.74	1.22	0.87	8.26	7.39	3.62	5.52	9.13	9.61	17.00	7.39
	38	0.49	0.74	1.23	0.90	8.26	7.36	3.68	5.52	9.20	9.64	17.00	7.36
	40	0.50	0.72	1.21	0.84	8.26	7.42	3.73	5.35	9.08	9.58	17.00	7.42
5320	37	0.54	0.73	1.27	1.02	8.26	7.24	4.02	5.45	9.47	9.76	17.00	7.24
	38	0.56	0.73	1.29	1.10	8.26	7.16	4.19	5.44	9.64	9.84	17.00	7.16
	40	0.56	0.72	1.28	1.08	8.26	7.18	4.20	5.40	9.60	9.82	17.00	7.18

				Antenna 1						**Antenna 3**					
Tested Frequency	RU Index	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
								Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	37	0.29	0.00	-15.45	0.90	9.59	8.74	-4.67	4.07	-13.63	1.00	9.59	8.74	-2.75	5.99
	38	0.29	0.00	-15.46	0.90	9.59	8.74	-4.68	4.06	-13.53	1.00	9.59	8.74	-2.65	6.10
	40	0.29	0.00	-15.24	0.90	9.59	8.74	-4.46	4.28	-13.20	1.00	9.59	8.74	-2.32	6.42
5220	37	0.29	0.00	-15.56	0.90	9.59	8.74	-4.78	3.96	-13.72	1.00	9.59	8.74	-2.84	5.90
	38	0.29	0.00	-15.52	0.90	9.59	8.74	-4.74	4.00	-13.40	1.00	9.59	8.74	-2.52	6.22
	40	0.29	0.00	-15.47	0.90	9.59	8.74	-4.69	4.05	-13.16	1.00	9.59	8.74	-2.28	6.46
5240	37	0.29	0.00	-15.14	0.90	9.59	8.74	-4.36	4.38	-13.23	1.00	9.59	8.74	-2.35	6.39
	38	0.29	0.00	-14.99	0.90	9.59	8.74	-4.21	4.53	-12.51	1.00	9.59	8.74	-1.63	7.11
	40	0.29	0.00	-14.48	0.90	9.59	8.74	-3.70	5.04	-12.54	1.00	9.59	8.74	-1.66	7.08
5260	37	0.29	0.00	-14.03	0.90	9.59	8.74	-3.25	5.49	-12.01	1.00	9.59	8.74	-1.13	7.61
	38	0.29	0.00	-13.96	0.90	9.59	8.74	-3.18	5.56	-11.93	1.00	9.59	8.74	-1.05	7.69
	40	0.29	0.00	-13.36	0.90	9.59	8.74	-2.58	6.16	-11.87	1.00	9.59	8.74	-0.99	7.75
5300	37	0.29	0.00	-13.94	0.90	9.59	8.74	-3.16	5.58	-12.20	1.00	9.59	8.74	-1.32	7.42
	38	0.29	0.00	-13.86	0.90	9.59	8.74	-3.08	5.66	-12.20	1.00	9.59	8.74	-1.32	7.42
	40	0.29	0.00	-13.81	0.90	9.59	8.74	-3.03	5.71	-12.33	1.00	9.59	8.74	-1.45	7.29
5320	37	0.29	0.00	-13.48	0.90	9.59	8.74	-2.70	6.04	-12.25	1.00	9.59	8.74	-1.37	7.37
	38	0.29	0.00	-13.30	0.90	9.59	8.74	-2.52	6.22	-12.26	1.00	9.59	8.74	-1.38	7.36
	40	0.29	0.00	-13.29	0.90	9.59	8.74	-2.51	6.23	-12.29	1.00	9.59	8.74	-1.41	7.33

Sample Calculation:
PSD: Power Spectral Density
The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.
RBW Correction Factor = 10 * log (Specified bandwidth / Measured bandwidth)
PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor
PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain
The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)