

### 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 [MHz]	RU Index	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna		Sum	Result	Limit	Margin	Antenna		Sum	Result	Limit	Margin
1	3	1	3					[mW/MHz]	[dBm/MHz]				
5500	37	0.60	0.52	1.11	0.47	8.26	7.79	4.47	3.87	8.34	9.21	17.00	7.79
	38	0.55	0.53	1.08	0.34	8.26	7.92	4.13	3.97	8.10	9.08	17.00	7.92
	40	0.60	0.53	1.12	0.51	8.26	7.75	4.46	3.95	8.41	9.25	17.00	7.75
5580	37	0.62	0.50	1.12	0.48	8.26	7.78	4.62	3.75	8.37	9.22	17.00	7.78
	38	0.60	0.58	1.19	0.74	8.26	7.52	4.50	4.38	8.88	9.48	17.00	7.52
	40	0.60	0.55	1.15	0.60	8.26	7.66	4.47	4.11	8.59	9.34	17.00	7.66
5700	37	0.50	0.62	1.12	0.49	8.26	7.77	3.72	4.65	8.37	9.23	17.00	7.77
	38	0.48	0.69	1.17	0.69	8.26	7.57	3.63	5.14	8.77	9.43	17.00	7.57
	40	0.48	0.64	1.12	0.48	8.26	7.78	3.59	4.77	8.36	9.22	17.00	7.78
5720	37	0.53	0.59	1.12	0.47	8.26	7.79	3.95	4.39	8.35	9.21	17.00	7.79
	38	0.55	0.61	1.15	0.62	8.26	7.64	4.10	4.54	8.64	9.36	17.00	7.64
	40	0.55	0.64	1.18	0.73	8.26	7.53	4.08	4.77	8.86	9.47	17.00	7.53
5745	37	0.29	0.30	0.59	-2.27	27.26	29.53	2.18	2.25	4.43	6.47	36.00	29.53
	38	0.31	0.34	0.65	-1.88	27.26	29.14	2.30	2.55	4.85	6.86	36.00	29.14
	40	0.30	0.32	0.62	-2.08	27.26	29.34	2.25	2.39	4.64	6.66	36.00	29.34
5785	37	0.28	0.33	0.62	-2.10	27.26	29.36	2.11	2.51	4.61	6.64	36.00	29.36
	38	0.28	0.33	0.61	-2.15	27.26	29.41	2.10	2.45	4.56	6.59	36.00	29.41
	40	0.28	0.33	0.60	-2.20	27.26	29.46	2.07	2.44	4.51	6.54	36.00	29.46
5825	37	0.32	0.35	0.67	-1.76	27.26	29.02	2.37	2.62	4.99	6.98	36.00	29.02
	38	0.31	0.33	0.65	-1.90	27.26	29.16	2.33	2.50	4.83	6.84	36.00	29.16
	40	0.32	0.35	0.66	-1.77	27.26	29.03	2.39	2.58	4.97	6.97	36.00	29.03

Tested Frequency [MHz]	RU Index	Antenna 1								Antenna 3							
		Duty Factor [dB]	RBW Correction Factor [dB]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]		
5500	37	0.29	0.00	-13.10	1.00	9.58	8.74	-2.23	6.51	-13.83	1.10	9.58	8.74	-2.86	5.88		
	38	0.29	0.00	-13.45	1.00	9.58	8.74	-2.58	6.16	-13.72	1.10	9.58	8.74	-2.75	5.99		
	40	0.29	0.00	-13.11	1.00	9.58	8.74	-2.24	6.50	-13.74	1.10	9.58	8.74	-2.77	5.97		
5580	37	0.29	0.00	-12.97	1.00	9.58	8.74	-2.10	6.65	-13.97	1.10	9.58	8.74	-3.00	5.74		
	38	0.29	0.00	-13.08	1.00	9.58	8.74	-2.21	6.53	-13.30	1.10	9.58	8.74	-2.33	6.41		
	40	0.29	0.00	-13.11	1.00	9.58	8.74	-2.24	6.51	-13.57	1.10	9.58	8.74	-2.60	6.14		
5700	37	0.29	0.00	-13.91	1.00	9.59	8.74	-3.03	5.71	-13.04	1.10	9.59	8.74	-2.06	6.68		
	38	0.29	0.00	-14.02	1.00	9.59	8.74	-3.14	5.60	-12.61	1.10	9.59	8.74	-1.63	7.11		
	40	0.29	0.00	-14.07	1.00	9.59	8.74	-3.19	5.55	-12.94	1.10	9.59	8.74	-1.96	6.78		
5720	37	0.29	0.00	-13.65	1.00	9.59	8.74	-2.77	5.97	-13.29	1.10	9.59	8.74	-2.31	6.43		
	38	0.29	0.00	-13.49	1.00	9.59	8.74	-2.61	6.13	-13.15	1.10	9.59	8.74	-2.17	6.57		
	40	0.29	0.00	-13.51	1.00	9.59	8.74	-2.63	6.11	-12.93	1.10	9.59	8.74	-1.95	6.79		
5745	37	0.29	0.27	-16.50	1.00	9.59	8.74	-5.36	3.38	-16.46	1.10	9.59	8.74	-5.22	3.52		
	38	0.29	0.27	-16.28	1.00	9.59	8.74	-5.13	3.61	-15.92	1.10	9.59	8.74	-4.67	4.07		
	40	0.29	0.27	-16.37	1.00	9.59	8.74	-5.22	3.52	-16.21	1.10	9.59	8.74	-4.96	3.78		
5785	37	0.29	0.27	-16.65	1.00	9.59	8.74	-5.50	3.24	-16.00	1.10	9.59	8.74	-4.75	3.99		
	38	0.29	0.27	-16.66	1.00	9.59	8.74	-5.51	3.23	-16.09	1.10	9.59	8.74	-4.84	3.90		
	40	0.29	0.27	-16.72	1.00	9.59	8.74	-5.57	3.17	-16.12	1.10	9.59	8.74	-4.87	3.87		
5825	37	0.29	0.27	-16.16	1.00	9.60	8.74	-5.00	3.74	-15.81	1.10	9.60	8.74	-4.55	4.19		
	38	0.29	0.27	-16.23	1.00	9.60	8.74	-5.07	3.67	-16.02	1.10	9.60	8.74	-4.76	3.98		
	40	0.29	0.27	-16.12	1.00	9.60	8.74	-4.96	3.78	-15.88	1.10	9.60	8.74	-4.62	4.12		

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 (106-tone RU)	

Antenna 1+3		Applied limit: 15.407, mobile and portable client device											
Tested Frequency [MHz]	RU Index	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna		Sum	Result	Limit	Margin	Antenna		Sum	Result	Limit	Margin
1	3	1	3					1	3				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5180	53	0.36	0.57	0.93	-0.32	8.26	8.58	2.72	4.23	6.94	8.42	17.00	8.58
	54	0.35	0.57	0.93	-0.32	8.26	8.58	2.66	4.29	6.95	8.42	17.00	8.58
5220	53	0.34	0.57	0.91	-0.40	8.26	8.66	2.56	4.27	6.83	8.34	17.00	8.66
	54	0.36	0.60	0.96	-0.16	8.26	8.42	2.72	4.49	7.20	8.58	17.00	8.42
5240	53	0.39	0.66	1.04	0.18	8.26	8.08	2.89	4.92	7.81	8.92	17.00	8.08
	54	0.44	0.74	1.18	0.72	8.26	7.54	3.31	5.51	8.83	9.46	17.00	7.54
5260	53	0.50	0.82	1.32	1.21	8.26	7.05	3.77	6.12	9.88	9.95	17.00	7.05
	54	0.53	0.85	1.37	1.38	8.26	6.88	3.93	6.34	10.27	10.12	17.00	6.88
5300	53	0.51	0.77	1.28	1.07	8.26	7.19	3.82	5.76	9.58	9.81	17.00	7.19
	54	0.52	0.78	1.30	1.12	8.26	7.14	3.87	5.83	9.69	9.86	17.00	7.14
5320	53	0.57	0.77	1.34	1.28	8.26	6.98	4.25	5.80	10.04	10.02	17.00	6.98
	54	0.57	0.83	1.40	1.45	8.26	6.81	4.27	6.18	10.45	10.19	17.00	6.81

Tested Frequency [MHz]	RU Index	Antenna 1						Antenna 3							
		Duty Factor [dB]	RBW Correction Factor [dB]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]
5180	53	0.30	0.00	-15.19	0.90	9.59	8.74	-4.40	4.34	-13.37	1.00	9.59	8.74	-2.48	6.26
	54	0.30	0.00	-15.29	0.90	9.59	8.74	-4.50	4.24	-13.30	1.00	9.59	8.74	-2.41	6.33
5220	53	0.30	0.00	-15.45	0.90	9.59	8.74	-4.66	4.08	-13.33	1.00	9.59	8.74	-2.44	6.30
	54	0.30	0.00	-15.19	0.90	9.59	8.74	-4.40	4.34	-13.11	1.00	9.59	8.74	-2.22	6.52
5240	53	0.30	0.00	-14.92	0.90	9.59	8.74	-4.13	4.61	-12.71	1.00	9.59	8.74	-1.82	6.92
	54	0.30	0.00	-14.33	0.90	9.59	8.74	-3.54	5.20	-12.22	1.00	9.59	8.74	-1.33	7.42
5260	53	0.30	0.00	-13.77	0.90	9.59	8.74	-2.98	5.76	-11.77	1.00	9.59	8.74	-0.88	7.87
	54	0.30	0.00	-13.58	0.90	9.59	8.74	-2.79	5.95	-11.61	1.00	9.59	8.74	-0.72	8.02
5300	53	0.30	0.00	-13.71	0.90	9.59	8.74	-2.92	5.82	-12.02	1.00	9.59	8.74	-1.13	7.61
	54	0.30	0.00	-13.66	0.90	9.59	8.74	-2.87	5.87	-11.98	1.00	9.59	8.74	-1.09	7.65
5320	53	0.30	0.00	-13.25	0.90	9.59	8.74	-2.46	6.28	-12.00	1.00	9.59	8.74	-1.11	7.63
	54	0.30	0.00	-13.22	0.90	9.59	8.74	-2.43	6.31	-11.72	1.00	9.59	8.74	-0.83	7.91

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 (106-tone RU)	

Antenna 1+3		Applied limit: 15.407, mobile and portable client device											
Tested Frequency [MHz]	RU Index	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna 1			Antenna 3			Antenna 1			Antenna 3		
		1	3	Sum	Result	Limit	Margin	1	3	Sum	Result	Limit	Margin
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5500	53	0.64	0.56	1.19	0.77	8.26	7.49	4.78	4.15	8.93	9.51	17.00	7.49
	54	0.64	0.58	1.22	0.86	8.26	7.40	4.81	4.32	9.13	9.60	17.00	7.40
5580	53	0.62	0.55	1.17	0.67	8.26	7.59	4.64	4.08	8.72	9.41	17.00	7.59
	54	0.67	0.57	1.24	0.95	8.26	7.31	5.02	4.29	9.31	9.69	17.00	7.31
5700	53	0.50	0.64	1.14	0.58	8.26	7.68	3.74	4.81	8.55	9.32	17.00	7.68
	54	0.51	0.67	1.17	0.70	8.26	7.56	3.79	5.00	8.79	9.44	17.00	7.56
5720	53	0.56	0.62	1.18	0.73	8.26	7.53	4.20	4.65	8.85	9.47	17.00	7.53
	54	0.56	0.59	1.15	0.61	8.26	7.65	4.19	4.42	8.61	9.35	17.00	7.65
5745	53	0.30	0.32	0.62	-2.06	27.26	29.32	2.26	2.40	4.66	6.68	36.00	29.32
	54	0.31	0.31	0.62	-2.09	27.26	29.35	2.34	2.29	4.62	6.65	36.00	29.35
5785	53	0.29	0.36	0.65	-1.87	27.26	29.13	2.18	2.68	4.86	6.87	36.00	29.13
	54	0.29	0.34	0.62	-2.06	27.26	29.32	2.14	2.52	4.65	6.68	36.00	29.32
5825	53	0.31	0.33	0.64	-1.92	27.26	29.18	2.31	2.50	4.81	6.82	36.00	29.18
	54	0.32	0.36	0.68	-1.71	27.26	28.97	2.39	2.66	5.05	7.03	36.00	28.97

Tested Frequency [MHz]	RU Index	Antenna 1						Antenna 3							
		Duty Factor [dB]	RBW Correction Factor [dB]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]
5500	53	0.30	0.00	-12.83	1.00	9.58	8.74	-1.95	6.79	-13.54	1.10	9.58	8.74	-2.56	6.18
	54	0.30	0.00	-12.80	1.00	9.58	8.74	-1.92	6.82	-13.36	1.10	9.58	8.74	-2.38	6.36
5580	53	0.30	0.00	-12.95	1.00	9.58	8.74	-2.07	6.67	-13.61	1.10	9.58	8.74	-2.63	6.11
	54	0.30	0.00	-12.62	1.00	9.58	8.74	-1.74	7.00	-13.40	1.10	9.58	8.74	-2.42	6.33
5700	53	0.30	0.00	-13.90	1.00	9.59	8.74	-3.01	5.73	-12.91	1.10	9.59	8.74	-1.92	6.82
	54	0.30	0.00	-13.85	1.00	9.59	8.74	-2.96	5.78	-12.74	1.10	9.59	8.74	-1.75	6.99
5720	53	0.30	0.00	-13.40	1.00	9.59	8.74	-2.51	6.23	-13.05	1.10	9.59	8.74	-2.06	6.68
	54	0.30	0.00	-13.41	1.00	9.59	8.74	-2.52	6.22	-13.28	1.10	9.59	8.74	-2.29	6.46
5745	53	0.30	0.27	-16.35	1.00	9.59	8.74	-5.19	3.55	-16.20	1.10	9.59	8.74	-4.94	3.80
	54	0.30	0.27	-16.21	1.00	9.59	8.74	-5.05	3.69	-16.41	1.10	9.59	8.74	-5.15	3.59
5785	53	0.30	0.27	-16.51	1.00	9.59	8.74	-5.35	3.39	-15.72	1.10	9.59	8.74	-4.46	4.28
	54	0.30	0.27	-16.60	1.00	9.59	8.74	-5.44	3.30	-15.99	1.10	9.59	8.74	-4.73	4.01
5825	53	0.30	0.27	-16.27	1.00	9.60	8.74	-5.10	3.64	-16.03	1.10	9.60	8.74	-4.76	3.98
	54	0.30	0.27	-16.12	1.00	9.60	8.74	-4.95	3.79	-15.77	1.10	9.60	8.74	-4.50	4.24

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)

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Date	February 9, 2022	February 9, 2022
Temperature / Humidity	23 deg. C / 31 % RH	22 deg. C / 41 % RH
Engineer	Kiyoshiro Okazaki	Takafumi Noguchi
Mode	Tx 11ax-20 OFDMA (242-tone RU)	

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1	3	Sum				1	3	Sum			
[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	0.53	0.90	-0.46	8.26	8.72	2.77	3.96	6.74	8.28	17.00	8.72
5220	0.37	0.54	0.91	-0.39	8.26	8.65	2.80	4.05	6.84	8.35	17.00	8.65
5240	0.39	0.61	1.00	-0.02	8.26	8.28	2.90	4.55	7.45	8.72	17.00	8.28
5260	0.55	0.83	1.38	1.40	8.26	6.86	4.13	6.19	10.33	10.14	17.00	6.86
5300	0.56	0.71	1.28	1.07	8.26	7.19	4.23	5.35	9.57	9.81	17.00	7.19
5320	0.60	0.73	1.33	1.25	8.26	7.01	4.52	5.47	9.99	9.99	17.00	7.01
5500	0.63	0.55	1.18	0.72	8.26	7.54	4.73	4.10	8.83	9.46	17.00	7.54
5580	0.65	0.53	1.18	0.73	8.26	7.53	4.90	3.95	8.85	9.47	17.00	7.53
5700	0.59	0.63	1.22	0.87	8.26	7.39	4.42	4.72	9.14	9.61	17.00	7.39
5720	0.60	0.65	1.24	0.95	8.26	7.31	4.46	4.84	9.30	9.69	17.00	7.31
5745	0.32	0.35	0.67	-1.71	27.26	28.97	2.42	2.62	5.05	7.03	36.00	28.97
5785	0.33	0.34	0.68	-1.70	27.26	28.96	2.49	2.56	5.06	7.04	36.00	28.96
5825	0.35	0.36	0.70	-1.53	27.26	28.79	2.58	2.67	5.26	7.21	36.00	28.79

Tested Frequency [MHz]	Antenna 1							Antenna 3						
	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.
	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	0.36	0.00	-15.16	0.90	9.59	8.74	-4.31	4.43	-13.71	1.00	9.59	8.74	-2.76	5.98
5220	0.36	0.00	-15.12	0.90	9.59	8.74	-4.27	4.47	-13.62	1.00	9.59	8.74	-2.67	6.07
5240	0.36	0.00	-14.97	0.90	9.59	8.74	-4.12	4.62	-13.11	1.00	9.59	8.74	-2.16	6.58
5260	0.36	0.00	-13.43	0.90	9.59	8.74	-2.58	6.16	-11.77	1.00	9.59	8.74	-0.82	7.92
5300	0.36	0.00	-13.33	0.90	9.59	8.74	-2.48	6.26	-12.41	1.00	9.59	8.74	-1.46	7.28
5320	0.36	0.00	-13.04	0.90	9.59	8.74	-2.19	6.55	-12.31	1.00	9.59	8.74	-1.36	7.38
5500	0.36	0.00	-12.93	1.00	9.58	8.74	-1.99	6.75	-13.65	1.10	9.58	8.74	-2.61	6.13
5580	0.36	0.00	-12.78	1.00	9.58	8.74	-1.84	6.90	-13.81	1.10	9.58	8.74	-2.77	5.97
5700	0.36	0.00	-13.23	1.00	9.59	8.74	-2.28	6.46	-13.05	1.10	9.59	8.74	-2.00	6.74
5720	0.36	0.00	-13.20	1.00	9.59	8.74	-2.25	6.49	-12.94	1.10	9.59	8.74	-1.89	6.85
5745	0.36	0.27	-16.12	1.00	9.59	8.74	-4.90	3.84	-15.87	1.10	9.59	8.74	-4.55	4.19
5785	0.36	0.27	-15.99	1.00	9.59	8.74	-4.77	3.97	-15.97	1.10	9.59	8.74	-4.65	4.09
5825	0.36	0.27	-15.85	1.00	9.60	8.74	-4.62	4.12	-15.80	1.10	9.60	8.74	-4.47	4.27

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-40

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

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1	3	Sum				1	3	Sum			
[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5190	0.22	0.39	0.61	-2.16	8.26	10.42	1.62	2.93	4.55	6.58	17.00	10.42
5230	0.24	0.40	0.64	-1.95	8.26	10.21	1.76	3.02	4.78	6.79	17.00	10.21
5270	0.35	0.62	0.96	-0.16	8.26	8.42	2.60	4.61	7.21	8.58	17.00	8.42
5310	0.34	0.52	0.87	-0.63	8.26	8.89	2.55	3.92	6.48	8.11	17.00	8.89
5510	0.40	0.39	0.78	-1.07	8.26	9.33	2.96	2.89	5.85	7.67	17.00	9.33
5550	0.39	0.41	0.80	-0.97	8.26	9.23	2.90	3.08	5.98	7.77	17.00	9.23
5670	0.36	0.46	0.82	-0.87	8.26	9.13	2.68	3.44	6.12	7.87	17.00	9.13
5710	0.38	0.45	0.83	-0.81	8.26	9.07	2.88	3.34	6.21	7.93	17.00	9.07
5755	0.20	0.23	0.43	-3.63	27.26	30.89	1.52	1.72	3.25	5.11	36.00	30.89
5795	0.22	0.24	0.46	-3.38	27.26	30.64	1.65	1.78	3.43	5.36	36.00	30.64

Tested Frequency [MHz]	Antenna 1							Antenna 3						
	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	e.i.r.p.
			[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]		[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	
[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	
5190	0.06	0.00	-17.19	0.90	9.59	8.74	-6.64	2.10	-14.72	1.00	9.59	8.74	-4.07	4.67
5230	0.06	0.00	-16.83	0.90	9.59	8.74	-6.28	2.46	-14.60	1.00	9.59	8.74	-3.95	4.79
5270	0.06	0.00	-15.15	0.90	9.59	8.74	-4.60	4.14	-12.75	1.00	9.59	8.74	-2.10	6.64
5310	0.06	0.00	-15.22	0.90	9.59	8.74	-4.67	4.07	-13.45	1.00	9.59	8.74	-2.80	5.94
5510	0.06	0.00	-14.67	1.00	9.58	8.74	-4.03	4.71	-14.87	1.10	9.58	8.74	-4.13	4.62
5550	0.06	0.00	-14.75	1.00	9.58	8.74	-4.11	4.63	-14.60	1.10	9.58	8.74	-3.86	4.88
5670	0.06	0.00	-15.12	1.00	9.59	8.74	-4.47	4.27	-14.12	1.10	9.59	8.74	-3.37	5.37
5710	0.06	0.00	-14.80	1.00	9.59	8.74	-4.15	4.59	-14.26	1.10	9.59	8.74	-3.51	5.23
5755	0.06	0.27	-17.83	1.00	9.59	8.74	-6.91	1.83	-17.40	1.10	9.59	8.74	-6.38	2.36
5795	0.06	0.27	-17.50	1.00	9.60	8.74	-6.57	2.17	-17.26	1.10	9.60	8.74	-6.23	2.51

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor =  $10 * \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

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-40

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

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1	3	Sum				1	3	Sum			
[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5190	0.23	0.37	0.60	-2.25	8.26	10.51	1.70	2.76	4.45	6.49	17.00	10.51
5230	0.23	0.39	0.62	-2.11	8.26	10.37	1.69	2.92	4.61	6.63	17.00	10.37
5270	0.34	0.61	0.94	-0.25	8.26	8.51	2.53	4.53	7.06	8.49	17.00	8.51
5310	0.35	0.50	0.85	-0.70	8.26	8.96	2.65	3.71	6.36	8.04	17.00	8.96
5510	0.40	0.38	0.78	-1.09	8.26	9.35	3.00	2.82	5.82	7.65	17.00	9.35
5550	0.38	0.42	0.80	-0.96	8.26	9.22	2.87	3.13	5.99	7.78	17.00	9.22
5670	0.34	0.49	0.83	-0.79	8.26	9.05	2.55	3.68	6.24	7.95	17.00	9.05
5710	0.34	0.46	0.80	-0.95	8.26	9.21	2.56	3.45	6.01	7.79	17.00	9.21
5755	0.19	0.23	0.42	-3.73	27.26	30.99	1.45	1.72	3.17	5.01	36.00	30.99
5795	0.20	0.24	0.44	-3.60	27.26	30.86	1.50	1.76	3.27	5.14	36.00	30.86

Tested Frequency [MHz]	Antenna 1							Antenna 3						
	Duty Factor	RBW Correction Factor	PSD		Cable Loss	Atten. Loss	Antenna Gain	PSD Result		Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
			Reading	Cond.				Cond.	e.i.r.p.				Reading	Cond.
[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dB]	[dB]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dB]	[dBm/MHz]	[dBm/MHz]
5190	0.06	0.00	-17.00	0.90	9.59	8.74	-6.45	2.29	-14.99	1.00	9.59	8.74	-4.34	4.40
5230	0.06	0.00	-17.01	0.90	9.59	8.74	-6.46	2.28	-14.74	1.00	9.59	8.74	-4.09	4.65
5270	0.06	0.00	-15.26	0.90	9.59	8.74	-4.71	4.03	-12.83	1.00	9.59	8.74	-2.18	6.56
5310	0.06	0.00	-15.06	0.90	9.59	8.74	-4.51	4.23	-13.69	1.00	9.59	8.74	-3.04	5.70
5510	0.06	0.00	-14.61	1.00	9.58	8.74	-3.97	4.77	-14.98	1.10	9.58	8.74	-4.24	4.50
5550	0.06	0.00	-14.80	1.00	9.58	8.74	-4.16	4.58	-14.53	1.10	9.58	8.74	-3.79	4.95
5670	0.06	0.00	-15.32	1.00	9.59	8.74	-4.67	4.07	-13.83	1.10	9.59	8.74	-3.08	5.66
5710	0.06	0.00	-15.30	1.00	9.59	8.74	-4.65	4.09	-14.12	1.10	9.59	8.74	-3.37	5.38
5755	0.06	0.27	-18.06	1.00	9.59	8.74	-7.14	1.60	-17.40	1.10	9.59	8.74	-6.38	2.36
5795	0.06	0.27	-17.90	1.00	9.60	8.74	-6.97	1.77	-17.31	1.10	9.60	8.74	-6.28	2.46

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-40 (OFDM)

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

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1	3	Sum				1	3	Sum			
[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5190	0.21	0.37	0.58	-2.35	8.26	10.61	1.60	2.76	4.36	6.39	17.00	10.61
5230	0.22	0.37	0.58	-2.34	8.26	10.60	1.63	2.74	4.37	6.40	17.00	10.60
5270	0.33	0.58	0.91	-0.42	8.26	8.68	2.48	4.32	6.80	8.32	17.00	8.68
5310	0.32	0.50	0.82	-0.87	8.26	9.13	2.42	3.70	6.13	7.87	17.00	9.13
5510	0.37	0.34	0.71	-1.50	8.26	9.76	2.75	2.54	5.30	7.24	17.00	9.76
5550	0.37	0.39	0.75	-1.22	8.26	9.48	2.75	2.90	5.65	7.52	17.00	9.48
5670	0.32	0.47	0.79	-1.04	8.26	9.30	2.38	3.51	5.89	7.70	17.00	9.30
5710	0.33	0.43	0.76	-1.17	8.26	9.43	2.48	3.23	5.71	7.57	17.00	9.43
5755	0.20	0.23	0.42	-3.75	27.26	31.01	1.46	1.69	3.15	4.99	36.00	31.01
5795	0.20	0.22	0.41	-3.85	27.26	31.11	1.47	1.61	3.08	4.89	36.00	31.11

Tested Frequency [MHz]	Antenna 1							Antenna 3						
	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.
5190	0.07	0.00	-17.26	0.90	9.59	8.74	-6.70	2.04	-15.00	1.00	9.59	8.74	-4.34	4.40
5230	0.07	0.00	-17.18	0.90	9.59	8.74	-6.62	2.12	-15.03	1.00	9.59	8.74	-4.37	4.38
5270	0.07	0.00	-15.35	0.90	9.59	8.74	-4.79	3.95	-13.05	1.00	9.59	8.74	-2.39	6.35
5310	0.07	0.00	-15.46	0.90	9.59	8.74	-4.90	3.84	-13.71	1.00	9.59	8.74	-3.05	5.69
5510	0.07	0.00	-14.99	1.00	9.58	8.74	-4.34	4.40	-15.44	1.10	9.58	8.74	-4.69	4.05
5550	0.07	0.00	-15.00	1.00	9.58	8.74	-4.35	4.39	-14.87	1.10	9.58	8.74	-4.12	4.62
5670	0.07	0.00	-15.64	1.00	9.59	8.74	-4.98	3.76	-14.04	1.10	9.59	8.74	-3.28	5.46
5710	0.07	0.00	-15.46	1.00	9.59	8.74	-4.80	3.94	-14.40	1.10	9.59	8.74	-3.64	5.10
5755	0.07	0.27	-18.02	1.00	9.59	8.74	-7.10	1.64	-17.49	1.10	9.59	8.74	-6.46	2.28
5795	0.07	0.27	-17.99	1.00	9.60	8.74	-7.06	1.68	-17.71	1.10	9.60	8.74	-6.67	2.07

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 6, 2022	February 9, 2022	February 9, 2022
Temperature / Humidity	23 deg. C / 40 % RH	22 deg. C / 41 % RH	23 deg. C / 31 % RH
Engineer	Kiyoshiro Okazaki	Takafumi Noguchi	Kiyoshiro Okazaki
Model	Tx 11ax-40 OFDMA (26-tone RU)		

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

Tested Frequency [MHz]	RU Index	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna 1			Antenna 3			Antenna 1			Antenna 3		
		1	3	Sum	Result	Limit	Margin	1	3	Sum	Result	Limit	Margin
[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		
5190	0	0.28	0.42	0.70	-1.56	8.26	9.82	2.06	3.16	5.22	7.18	17.00	9.82
	8	0.30	0.48	0.78	-1.06	8.26	9.32	2.25	3.60	5.86	7.68	17.00	9.32
	17	0.30	0.47	0.77	-1.12	8.26	9.38	2.26	3.53	5.78	7.62	17.00	9.38
5230	0	0.28	0.44	0.72	-1.40	8.26	9.66	2.13	3.29	5.42	7.34	17.00	9.66
	8	0.30	0.49	0.80	-0.98	8.26	9.24	2.28	3.69	5.96	7.76	17.00	9.24
	17	0.30	0.47	0.77	-1.14	8.26	9.40	2.21	3.54	5.76	7.60	17.00	9.40
5270	0	0.35	0.63	0.98	-0.09	8.26	8.35	2.65	4.68	7.33	8.65	17.00	8.35
	8	0.39	0.77	1.16	0.63	8.26	7.63	2.91	5.74	8.65	9.37	17.00	7.63
	17	0.37	0.71	1.08	0.35	8.26	7.91	2.80	5.30	8.10	9.09	17.00	7.91
5310	0	0.39	0.58	0.96	-0.16	8.26	8.42	2.89	4.32	7.21	8.58	17.00	8.42
	8	0.46	0.63	1.08	0.35	8.26	7.91	3.41	4.70	8.11	9.09	17.00	7.91
	17	0.46	0.56	1.02	0.09	8.26	8.17	3.45	4.18	7.63	8.83	17.00	8.17

Tested Frequency [MHz]	RU Index	Antenna 1							Antenna 3						
		Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Cond.	PSD e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Cond.	PSD e.i.r.p.
		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5190	0	0.24	0.00	-16.33	0.90	9.59	8.74	-5.60	3.14	-14.57	1.00	9.59	8.74	-3.74	5.00
	8	0.24	0.00	-15.94	0.90	9.59	8.74	-5.21	3.53	-14.01	1.00	9.59	8.74	-3.18	5.57
	17	0.24	0.00	-15.94	0.90	9.59	8.74	-5.21	3.53	-14.10	1.00	9.59	8.74	-3.27	5.48
5230	0	0.24	0.00	-16.19	0.90	9.59	8.74	-5.46	3.28	-14.40	1.00	9.59	8.74	-3.57	5.18
	8	0.24	0.00	-15.90	0.90	9.59	8.74	-5.17	3.57	-13.90	1.00	9.59	8.74	-3.07	5.67
	17	0.24	0.00	-16.02	0.90	9.59	8.74	-5.29	3.45	-14.08	1.00	9.59	8.74	-3.25	5.49
5270	0	0.24	0.00	-15.24	0.90	9.59	8.74	-4.51	4.23	-12.86	1.00	9.59	8.74	-2.03	6.71
	8	0.24	0.00	-14.83	0.90	9.59	8.74	-4.10	4.64	-11.98	1.00	9.59	8.74	-1.15	7.59
	17	0.24	0.00	-15.00	0.90	9.59	8.74	-4.27	4.47	-12.32	1.00	9.59	8.74	-1.49	7.25
5310	0	0.24	0.00	-14.86	0.90	9.59	8.74	-4.13	4.61	-13.21	1.00	9.59	8.74	-2.38	6.36
	8	0.24	0.00	-14.14	0.90	9.59	8.74	-3.41	5.33	-12.85	1.00	9.59	8.74	-2.02	6.72
	17	0.24	0.00	-14.09	0.90	9.59	8.74	-3.36	5.38	-13.36	1.00	9.59	8.74	-2.53	6.21

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 6, 2022	February 9, 2022
Temperature / Humidity	23 deg. C / 40 % RH	23 deg. C / 31 % RH
Engineer	Kiyoshiro Okazaki	Kiyoshiro Okazaki
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	PSD (Conducted)							PSD (e.i.r.p.)							
		Antenna 1			Antenna 3				Antenna 1			Antenna 3				
		1	3	Sum	Result	Limit	Margin	1	3	Sum	Result	Limit	Margin			
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]			
5510	0	0.42	0.40	0.82	-0.87	8.26	9.13	3.11	3.02	6.13	7.87	17.00	9.13			
	8	0.43	0.45	0.89	-0.52	8.26	8.78	3.25	3.39	6.64	8.22	17.00	8.78			
	17	0.42	0.40	0.83	-0.81	8.26	9.07	3.18	3.03	6.20	7.93	17.00	9.07			
5550	0	0.50	0.42	0.93	-0.33	8.26	8.59	3.78	3.15	6.93	8.41	17.00	8.59			
	8	0.47	0.52	0.99	-0.02	8.26	8.28	3.52	3.92	7.44	8.72	17.00	8.28			
5670	0	0.42	0.52	0.95	-0.23	8.26	8.49	3.18	3.91	7.09	8.51	17.00	8.49			
	8	0.35	0.56	0.92	-0.37	8.26	8.63	2.65	4.22	6.86	8.37	17.00	8.63			
	17	0.41	0.60	1.01	0.04	8.26	8.22	3.08	4.47	7.55	8.78	17.00	8.22			
5710	0	0.37	0.59	0.96	-0.18	8.26	8.44	2.79	4.39	7.18	8.56	17.00	8.44			
	8	0.41	0.54	0.95	-0.23	8.26	8.49	3.03	4.06	7.09	8.51	17.00	8.49			
	17	0.42	0.62	1.04	0.15	8.26	8.11	3.13	4.61	7.75	8.89	17.00	8.11			
5755	0	0.42	0.56	0.98	-0.09	8.26	8.35	3.15	4.19	7.33	8.65	17.00	8.35			
	8	0.23	0.27	0.50	-3.02	27.26	30.28	1.71	2.03	3.74	5.72	36.00	30.28			
	17	0.26	0.28	0.55	-2.60	27.26	29.86	1.98	2.13	4.11	6.14	36.00	29.86			
5795	0	0.23	0.26	0.49	-3.06	27.26	30.32	1.75	1.94	3.69	5.68	36.00	30.32			
	8	0.23	0.27	0.51	-2.96	27.26	30.22	1.73	2.05	3.78	5.78	36.00	30.22			
	17	0.24	0.30	0.54	-2.66	27.26	29.92	1.79	2.27	4.05	6.08	36.00	29.92			
	17	0.25	0.32	0.57	-2.47	27.26	29.73	1.85	2.38	4.23	6.27	36.00	29.73			

Tested Frequency [MHz]	RU Index	Antenna 1							Antenna 3						
		Duty Factor [dB]	RBW Correction Factor [dB]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]
5510	0	0.24	0.00	-14.63	1.00	9.58	8.74	-3.81	4.93	-14.86	1.10	9.58	8.74	-3.94	4.80
	8	0.24	0.00	-14.44	1.00	9.58	8.74	-3.62	5.12	-14.36	1.10	9.58	8.74	-3.44	5.30
	17	0.24	0.00	-14.54	1.00	9.58	8.74	-3.72	5.02	-14.85	1.10	9.58	8.74	-3.93	4.81
5550	0	0.24	0.00	-13.79	1.00	9.58	8.74	-2.97	5.77	-14.68	1.10	9.58	8.74	-3.76	4.99
	8	0.24	0.00	-14.09	1.00	9.58	8.74	-3.27	5.47	-13.73	1.10	9.58	8.74	-2.81	5.93
5670	0	0.24	0.00	-14.54	1.00	9.58	8.74	-3.72	5.02	-13.74	1.10	9.58	8.74	-2.82	5.93
	8	0.24	0.00	-15.34	1.00	9.59	8.74	-4.51	4.23	-13.42	1.10	9.59	8.74	-2.49	6.25
	17	0.24	0.00	-14.68	1.00	9.59	8.74	-3.85	4.89	-13.17	1.10	9.59	8.74	-2.24	6.50
5710	0	0.24	0.00	-15.11	1.00	9.59	8.74	-4.28	4.46	-13.25	1.10	9.59	8.74	-2.32	6.42
	8	0.24	0.00	-14.75	1.00	9.59	8.74	-3.92	4.82	-13.59	1.10	9.59	8.74	-2.66	6.08
	17	0.24	0.00	-14.61	1.00	9.59	8.74	-3.78	4.96	-13.03	1.10	9.59	8.74	-2.10	6.64
5755	0	0.24	0.00	-14.59	1.00	9.59	8.74	-3.76	4.98	-13.45	1.10	9.59	8.74	-2.52	6.22
	8	0.24	0.27	-17.51	1.00	9.59	8.74	-6.41	2.33	-16.87	1.10	9.59	8.74	-5.67	3.07
	17	0.24	0.27	-16.87	1.00	9.59	8.74	-5.77	2.97	-16.65	1.10	9.59	8.74	-5.45	3.29
5795	0	0.24	0.27	-17.40	1.00	9.59	8.74	-6.30	2.44	-17.06	1.10	9.59	8.74	-5.86	2.88
	8	0.24	0.27	-17.47	1.00	9.60	8.74	-6.36	2.38	-16.82	1.10	9.60	8.74	-5.62	3.12
	17	0.24	0.27	-17.33	1.00	9.60	8.74	-6.22	2.52	-16.40	1.10	9.60	8.74	-5.19	3.55
	17	0.24	0.27	-17.18	1.00	9.60	8.74	-6.07	2.67	-16.18	1.10	9.60	8.74	-4.97	3.77

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 6, 2022 February 9, 2022 February 9, 2022  
 Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 41 % RH 23 deg. C / 31 % RH  
 Engineer Kiyoshiro Okazaki Takafumi Noguchi Kiyoshiro Okazaki  
 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	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna 1			Antenna 3			Antenna 1			Antenna 3		
		1	3	Sum	Result	Limit	Margin	1	3	Sum	Result	Limit	Margin
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5190	37	0.31	0.53	0.84	-0.78	8.26	9.04	2.30	3.96	6.26	7.96	17.00	9.04
	40	0.34	0.58	0.92	-0.38	8.26	8.64	2.53	4.32	6.86	8.36	17.00	8.64
	44	0.31	0.57	0.88	-0.56	8.26	8.82	2.32	4.26	6.58	8.18	17.00	8.82
5230	37	0.31	0.48	0.79	-1.00	8.26	9.26	2.35	3.59	5.94	7.74	17.00	9.26
	40	0.33	0.53	0.86	-0.66	8.26	8.92	2.47	3.95	6.42	8.08	17.00	8.92
	44	0.34	0.52	0.86	-0.66	8.26	8.92	2.52	3.91	6.43	8.08	17.00	8.92
5270	37	0.34	0.81	1.15	0.60	8.26	7.66	2.56	6.02	8.58	9.34	17.00	7.66
	40	0.39	0.88	1.28	1.07	8.26	7.19	2.95	6.62	9.57	9.81	17.00	7.19
	44	0.39	0.80	1.19	0.77	8.26	7.49	2.95	5.97	8.92	9.51	17.00	7.49
5310	37	0.39	0.66	1.05	0.22	8.26	8.04	2.91	4.96	7.87	8.96	17.00	8.04
	40	0.45	0.72	1.17	0.68	8.26	7.58	3.39	5.36	8.75	9.42	17.00	7.58
	44	0.42	0.66	1.08	0.33	8.26	7.93	3.11	4.96	8.07	9.07	17.00	7.93

Tested Frequency [MHz]	RU Index	Antenna 1						Antenna 3							
		Duty Factor [dB]	RBW Correction Factor [dB]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]
5190	37	0.29	0.00	-15.91	0.90	9.59	8.74	-5.13	3.61	-13.64	1.00	9.59	8.74	-2.76	5.98
	40	0.29	0.00	-15.48	0.90	9.59	8.74	-4.70	4.04	-13.26	1.00	9.59	8.74	-2.38	6.36
	44	0.29	0.00	-15.86	0.90	9.59	8.74	-5.08	3.66	-13.33	1.00	9.59	8.74	-2.45	6.29
5230	37	0.29	0.00	-15.81	0.90	9.59	8.74	-5.03	3.71	-14.07	1.00	9.59	8.74	-3.19	5.55
	40	0.29	0.00	-15.59	0.90	9.59	8.74	-4.81	3.93	-13.65	1.00	9.59	8.74	-2.77	5.97
	44	0.29	0.00	-15.51	0.90	9.59	8.74	-4.73	4.01	-13.70	1.00	9.59	8.74	-2.82	5.93
5270	37	0.29	0.00	-15.44	0.90	9.59	8.74	-4.66	4.08	-11.82	1.00	9.59	8.74	-0.94	7.80
	40	0.29	0.00	-14.82	0.90	9.59	8.74	-4.04	4.70	-11.41	1.00	9.59	8.74	-0.53	8.21
	44	0.29	0.00	-14.82	0.90	9.59	8.74	-4.04	4.70	-11.86	1.00	9.59	8.74	-0.98	7.76
5310	37	0.29	0.00	-14.88	0.90	9.59	8.74	-4.10	4.64	-12.67	1.00	9.59	8.74	-1.79	6.96
	40	0.29	0.00	-14.22	0.90	9.59	8.74	-3.44	5.30	-12.33	1.00	9.59	8.74	-1.45	7.29
	44	0.29	0.00	-14.59	0.90	9.59	8.74	-3.81	4.93	-12.66	1.00	9.59	8.74	-1.78	6.96

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor =  $10 * \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

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 6, 2022	February 9, 2022
Temperature / Humidity	23 deg. C / 40 % RH	23 deg. C / 31 % RH
Engineer	Kiyoshiro Okazaki	Kiyoshiro Okazaki
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	PSD (Conducted)						PSD (e.i.r.p.)					
		1	3	Sum	Result	Limit	Margin	1	3	Sum	Result	Limit	Margin
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5510	37	0.47	0.48	0.95	-0.21	8.26	8.47	3.52	3.62	7.13	8.53	17.00	8.47
	40	0.58	0.50	1.09	0.36	8.26	7.90	4.37	3.76	8.12	9.10	17.00	7.90
	44	0.54	0.47	1.02	0.07	8.26	8.19	4.07	3.53	7.61	8.81	17.00	8.19
5550	37	0.49	0.49	0.98	-0.08	8.26	8.34	3.70	3.65	7.35	8.66	17.00	8.34
	40	0.50	0.53	1.03	0.13	8.26	8.13	3.75	3.96	7.71	8.87	17.00	8.13
	44	0.50	0.53	1.02	0.10	8.26	8.16	3.71	3.94	7.65	8.84	17.00	8.16
5670	37	0.41	0.55	0.96	-0.16	8.26	8.42	3.05	4.15	7.21	8.58	17.00	8.42
	40	0.43	0.67	1.10	0.41	8.26	7.85	3.23	4.99	8.22	9.15	17.00	7.85
	44	0.44	0.62	1.06	0.26	8.26	8.00	3.33	4.62	7.95	9.00	17.00	8.00
5710	37	0.44	0.57	1.01	0.05	8.26	8.21	3.30	4.26	7.57	8.79	17.00	8.21
	40	0.47	0.57	1.04	0.18	8.26	8.08	3.50	4.29	7.79	8.92	17.00	8.08
	44	0.44	0.57	1.01	0.05	8.26	8.21	3.27	4.29	7.56	8.79	17.00	8.21
5755	37	0.25	0.30	0.56	-2.55	27.26	29.81	1.88	2.28	4.16	6.19	36.00	29.81
	40	0.26	0.33	0.59	-2.33	27.26	29.59	1.91	2.46	4.38	6.41	36.00	29.59
	44	0.23	0.31	0.53	-2.72	27.26	29.98	1.70	2.30	4.00	6.02	36.00	29.98
5795	37	0.23	0.32	0.55	-2.58	27.26	29.84	1.72	2.41	4.13	6.16	36.00	29.84
	40	0.28	0.37	0.65	-1.87	27.26	29.13	2.08	2.79	4.86	6.87	36.00	29.13
	44	0.25	0.36	0.62	-2.10	27.26	29.36	1.88	2.73	4.61	6.64	36.00	29.36

Tested Frequency [MHz]	RU Index	Antenna 1							Antenna 3						
		Duty Factor [dB]	RBW Correction Factor [dB]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]
5510	37	0.29	0.00	-14.15	1.00	9.58	8.74	-3.28	5.46	-14.13	1.10	9.58	8.74	-3.16	5.58
	40	0.29	0.00	-13.21	1.00	9.58	8.74	-2.34	6.40	-13.96	1.10	9.58	8.74	-2.99	5.75
	44	0.29	0.00	-13.51	1.00	9.58	8.74	-2.64	6.10	-14.23	1.10	9.58	8.74	-3.26	5.48
5550	37	0.29	0.00	-13.93	1.00	9.58	8.74	-3.06	5.68	-14.09	1.10	9.58	8.74	-3.12	5.62
	40	0.29	0.00	-13.87	1.00	9.58	8.74	-3.00	5.74	-13.73	1.10	9.58	8.74	-2.76	5.98
	44	0.29	0.00	-13.92	1.00	9.58	8.74	-3.05	5.69	-13.75	1.10	9.58	8.74	-2.78	5.96
5670	37	0.29	0.00	-14.77	1.00	9.59	8.74	-3.89	4.85	-13.54	1.10	9.59	8.74	-2.56	6.18
	40	0.29	0.00	-14.53	1.00	9.59	8.74	-3.65	5.09	-12.74	1.10	9.59	8.74	-1.76	6.98
	44	0.29	0.00	-14.40	1.00	9.59	8.74	-3.52	5.22	-13.07	1.10	9.59	8.74	-2.09	6.65
5710	37	0.29	0.00	-14.43	1.00	9.59	8.74	-3.55	5.19	-13.42	1.10	9.59	8.74	-2.44	6.30
	40	0.29	0.00	-14.18	1.00	9.59	8.74	-3.30	5.44	-13.40	1.10	9.59	8.74	-2.42	6.33
	44	0.29	0.00	-14.47	1.00	9.59	8.74	-3.59	5.15	-13.40	1.10	9.59	8.74	-2.42	6.33
5755	37	0.29	0.27	-17.15	1.00	9.59	8.74	-6.00	2.74	-16.41	1.10	9.59	8.74	-5.16	3.58
	40	0.29	0.27	-17.07	1.00	9.59	8.74	-5.92	2.82	-16.07	1.10	9.59	8.74	-4.82	3.92
	44	0.29	0.27	-17.59	1.00	9.59	8.74	-6.44	2.30	-16.37	1.10	9.59	8.74	-5.12	3.62
5795	37	0.29	0.27	-17.54	1.00	9.60	8.74	-6.38	2.36	-16.17	1.10	9.60	8.74	-4.92	3.82
	40	0.29	0.27	-16.72	1.00	9.60	8.74	-5.56	3.18	-15.55	1.10	9.60	8.74	-4.29	4.45
	44	0.29	0.27	-17.15	1.00	9.60	8.74	-5.99	2.75	-15.64	1.10	9.60	8.74	-4.38	4.36

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	February 9, 2022
Temperature / Humidity	23 deg. C / 32 % RH	22 deg. C / 41 % RH	23 deg. C / 31 % RH
Engineer	Junki Nagatomi	Takafumi Noguchi	Kiyoshiro Okazaki
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	PSD (Conducted)						PSD (e.i.r.p.)												
		Antenna 1		Antenna 3		Sum	Result	Limit	Margin	Antenna 1		Antenna 3		Sum	Result	Limit	Margin			
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5190	53	0.33	0.54	0.87	-0.59	8.26	8.85	2.49	4.04	6.53	8.15	17.00	8.85							
	54	0.37	0.63	1.00	-0.01	8.26	8.27	2.74	4.72	7.46	8.73	17.00	8.27							
	56	0.33	0.61	0.94	-0.28	8.26	8.54	2.46	4.55	7.01	8.46	17.00	8.54							
5230	53	0.34	0.56	0.91	-0.43	8.26	8.69	2.57	4.21	6.78	8.31	17.00	8.69							
	54	0.38	0.62	1.00	0.00	8.26	8.26	2.83	4.66	7.49	8.74	17.00	8.26							
	56	0.38	0.62	1.00	0.01	8.26	8.25	2.88	4.62	7.50	8.75	17.00	8.25							
5270	53	0.41	0.85	1.27	1.04	8.26	7.22	3.10	6.39	9.50	9.78	17.00	7.22							
	54	0.45	0.96	1.40	1.47	8.26	6.79	3.35	7.16	10.51	10.21	17.00	6.79							
	56	0.42	0.86	1.28	1.06	8.26	7.20	3.16	6.40	9.55	9.80	17.00	7.20							
5310	53	0.43	0.71	1.15	0.59	8.26	7.67	3.25	5.32	8.57	9.33	17.00	7.67							
	54	0.50	0.77	1.27	1.04	8.26	7.22	3.77	5.73	9.50	9.78	17.00	7.22							
	56	0.47	0.71	1.19	0.74	8.26	7.52	3.55	5.33	8.87	9.48	17.00	7.52							

Tested Frequency [MHz]	RU Index	Antenna 1							Antenna 3						
		Duty Factor [dB]	RBW Correction Factor [dB]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]
5190	53	0.31	0.00	-15.59	0.90	9.59	8.74	-4.79	3.96	-13.57	1.00	9.59	8.74	-2.67	6.07
	54	0.31	0.00	-15.16	0.90	9.59	8.74	-4.36	4.38	-12.90	1.00	9.59	8.74	-2.00	6.74
	56	0.31	0.00	-15.63	0.90	9.59	8.74	-4.83	3.91	-13.06	1.00	9.59	8.74	-2.16	6.58
5230	53	0.31	0.00	-15.44	0.90	9.59	8.74	-4.64	4.10	-13.40	1.00	9.59	8.74	-2.50	6.24
	54	0.31	0.00	-15.03	0.90	9.59	8.74	-4.23	4.51	-12.95	1.00	9.59	8.74	-2.05	6.69
	56	0.31	0.00	-14.95	0.90	9.59	8.74	-4.15	4.59	-12.99	1.00	9.59	8.74	-2.09	6.65
5270	53	0.31	0.00	-14.62	0.90	9.59	8.74	-3.82	4.92	-11.58	1.00	9.59	8.74	-0.68	8.06
	54	0.31	0.00	-14.29	0.90	9.59	8.74	-3.49	5.25	-11.09	1.00	9.59	8.74	-0.19	8.55
	56	0.31	0.00	-14.55	0.90	9.59	8.74	-3.75	4.99	-11.58	1.00	9.59	8.74	-0.68	8.06
5310	53	0.31	0.00	-14.42	0.90	9.59	8.74	-3.62	5.12	-12.38	1.00	9.59	8.74	-1.48	7.26
	54	0.31	0.00	-13.78	0.90	9.59	8.74	-2.98	5.76	-12.06	1.00	9.59	8.74	-1.16	7.58
	56	0.31	0.00	-14.04	0.90	9.59	8.74	-3.24	5.50	-12.38	1.00	9.59	8.74	-1.48	7.26

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	23 deg. C / 32 % RH	23 deg. C / 31 % RH
Engineer	Junki Nagatomi	Kiyoshiro Okazaki
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	PSD (Conducted)						PSD (e.i.r.p.)							
		1	Antenna 3		Sum	Result	Limit	Margin	1	Antenna 3		Sum	Result	Limit	Margin
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]
5510	53	0.49	0.56	1.05	0.20	8.26	8.06	3.66	4.17	7.84	8.94	17.00	8.06		
	54	0.53	0.59	1.12	0.48	8.26	7.78	3.94	4.41	8.35	9.22	17.00	7.78		
	56	0.53	0.57	1.10	0.41	8.26	7.85	3.94	4.28	8.22	9.15	17.00	7.85		
5550	53	0.47	0.55	1.02	0.08	8.26	8.18	3.52	4.10	7.62	8.82	17.00	8.18		
	54	0.52	0.56	1.09	0.37	8.26	7.89	3.93	4.21	8.14	9.11	17.00	7.89		
	56	0.51	0.54	1.05	0.23	8.26	8.03	3.84	4.06	7.89	8.97	17.00	8.03		
5670	53	0.41	0.64	1.05	0.22	8.26	8.04	3.05	4.82	7.86	8.96	17.00	8.04		
	54	0.46	0.77	1.23	0.89	8.26	7.37	3.41	5.78	9.19	9.63	17.00	7.37		
	56	0.41	0.68	1.09	0.39	8.26	7.87	3.10	5.09	8.19	9.13	17.00	7.87		
5710	53	0.44	0.67	1.11	0.46	8.26	7.80	3.27	5.05	8.31	9.20	17.00	7.80		
	54	0.47	0.68	1.15	0.61	8.26	7.65	3.53	5.09	8.62	9.35	17.00	7.65		
	56	0.46	0.70	1.16	0.65	8.26	7.61	3.44	5.25	8.68	9.39	17.00	7.61		
5755	53	0.26	0.33	0.58	-2.34	27.26	29.60	1.93	2.43	4.36	6.40	36.00	29.60		
	54	0.27	0.33	0.60	-2.20	27.26	29.46	2.01	2.50	4.51	6.54	36.00	29.46		
	56	0.25	0.34	0.59	-2.32	27.26	29.58	1.87	2.51	4.39	6.42	36.00	29.58		
5795	53	0.26	0.34	0.60	-2.22	27.26	29.48	1.93	2.56	4.49	6.52	36.00	29.48		
	54	0.30	0.38	0.68	-1.69	27.26	28.95	2.24	2.83	5.06	7.05	36.00	28.95		
	56	0.29	0.36	0.65	-1.89	27.26	29.15	2.17	2.67	4.84	6.85	36.00	29.15		

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	Antenna 1				Antenna 3				PSD Result			
				PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Cond. [dBm/MHz]	PSD e.i.r.p. [dBm/MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Cond. [dBm/MHz]	PSD e.i.r.p. [dBm/MHz]
5510	53	0.31	0.00	-13.99	1.00	9.58	8.74	-3.10	5.64	-13.53	1.10	9.58	8.74	-2.54	6.20
	54	0.31	0.00	-13.68	1.00	9.58	8.74	-2.79	5.95	-13.28	1.10	9.58	8.74	-2.29	6.45
	56	0.31	0.00	-13.68	1.00	9.58	8.74	-2.79	5.95	-13.41	1.10	9.58	8.74	-2.42	6.32
5550	53	0.31	0.00	-14.16	1.00	9.58	8.74	-3.27	5.47	-13.61	1.10	9.58	8.74	-2.62	6.13
	54	0.31	0.00	-13.69	1.00	9.58	8.74	-2.80	5.94	-13.48	1.10	9.58	8.74	-2.49	6.25
	56	0.31	0.00	-13.79	1.00	9.58	8.74	-2.90	5.84	-13.65	1.10	9.58	8.74	-2.66	6.08
5670	53	0.31	0.00	-14.80	1.00	9.59	8.74	-3.90	4.84	-12.91	1.10	9.59	8.74	-1.91	6.83
	54	0.31	0.00	-14.31	1.00	9.59	8.74	-3.41	5.33	-12.12	1.10	9.59	8.74	-1.12	7.62
	56	0.31	0.00	-14.73	1.00	9.59	8.74	-3.83	4.91	-12.67	1.10	9.59	8.74	-1.67	7.07
5710	53	0.31	0.00	-14.50	1.00	9.59	8.74	-3.60	5.14	-12.71	1.10	9.59	8.74	-1.71	7.03
	54	0.31	0.00	-14.16	1.00	9.59	8.74	-3.26	5.48	-12.68	1.10	9.59	8.74	-1.68	7.07
	56	0.31	0.00	-14.28	1.00	9.59	8.74	-3.38	5.36	-12.54	1.10	9.59	8.74	-1.54	7.20
5755	53	0.31	0.27	-17.06	1.00	9.59	8.74	-5.89	2.85	-16.15	1.10	9.59	8.74	-4.88	3.86
	54	0.31	0.27	-16.88	1.00	9.59	8.74	-5.71	3.03	-16.02	1.10	9.59	8.74	-4.76	3.98
	56	0.31	0.27	-17.18	1.00	9.59	8.74	-6.01	2.73	-16.00	1.10	9.59	8.74	-4.74	4.00
5795	53	0.31	0.27	-17.05	1.00	9.59	8.74	-5.88	2.86	-15.93	1.10	9.59	8.74	-4.66	4.08
	54	0.31	0.27	-16.41	1.00	9.59	8.74	-5.24	3.50	-15.50	1.10	9.59	8.74	-4.23	4.51
	56	0.31	0.27	-16.54	1.00	9.59	8.74	-5.37	3.37	-15.74	1.10	9.59	8.74	-4.47	4.27

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	February 9, 2022
Temperature / Humidity	23 deg. C / 32 % RH	22 deg. C / 41 % RH	23 deg. C / 31 % RH
Engineer	Junki Nagatomi	Takafumi Noguchi	Kiyoshiro Okazaki
Mode	Tx 11ax-40 OFDMA (242-tone RU)		

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

Tested Frequency [MHz]	RU Index	PSD (Conducted)						PSD (e.i.r.p.)																			
		Antenna 1		Antenna 3		Sum	Result	Limit	Margin	Antenna 1		Antenna 3		Sum	Result	Limit	Margin										
		[mW/MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]					[mW/MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]														
5190	61	0.28	0.50	0.77	-1.11	8.26	9.37	2.08	3.72	5.79	7.63	17.00	9.37	5190	61	0.28	0.51	0.79	-1.00	8.26	9.26	2.14	3.80	5.94	7.74	17.00	9.26
	62	0.29	0.51	0.79	-1.00	8.26	9.26	2.14	3.80	5.94	7.74	17.00	9.26		5230	61	0.28	0.51	0.79	-1.03	8.26	9.29	2.12	3.79	5.91	7.71	17.00
62	0.30	0.51	0.80	-0.94	8.26	9.20	2.21	3.81	6.02	7.80	17.00	9.20	5270	61		0.40	0.74	1.15	0.59	8.26	7.67	3.01	5.55	8.57	9.33	17.00	7.67
62	0.42	0.77	1.20	0.78	8.26	7.48	3.15	5.80	8.95	9.52	17.00	7.48		5310	61	0.42	0.34	0.76	-1.19	8.26	9.45	3.16	2.52	5.69	7.55	17.00	9.45
62	0.44	0.34	0.78	-1.06	8.26	9.32	3.32	2.54	5.86	7.68	17.00	9.32															

Tested Frequency [MHz]	RU Index	Antenna 1							Antenna 3						
		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.
		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5190	61	0.36	0.00	-16.42	0.90	9.59	8.74	-5.57	3.17	-13.99	1.00	9.59	8.74	-3.04	5.70
	62	0.36	0.00	-16.29	0.90	9.59	8.74	-5.44	3.30	-13.89	1.00	9.59	8.74	-2.94	5.80
5230	61	0.36	0.00	-16.33	0.90	9.59	8.74	-5.48	3.27	-13.91	1.00	9.59	8.74	-2.96	5.78
	62	0.36	0.00	-16.15	0.90	9.59	8.74	-5.30	3.44	-13.88	1.00	9.59	8.74	-2.93	5.81
5270	61	0.36	0.00	-14.80	0.90	9.59	8.74	-3.95	4.79	-12.24	1.00	9.59	8.74	-1.29	7.45
	62	0.36	0.00	-14.61	0.90	9.59	8.74	-3.76	4.98	-12.06	1.00	9.59	8.74	-1.11	7.63
5310	61	0.36	0.00	-14.59	0.90	9.59	8.74	-3.74	5.00	-15.67	1.00	9.59	8.74	-4.72	4.02
	62	0.36	0.00	-14.38	0.90	9.59	8.74	-3.53	5.21	-15.64	1.00	9.59	8.74	-4.69	4.05

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor =  $10 * \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

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	23 deg. C / 32 % RH	23 deg. C / 31 % RH
Engineer	Junki Nagatomi	Kiyoshiro Okazaki
Mode	Tx 11ax-40 OFDMA (242-tone RU)	

Antenna 1+3		Applied limit: 15.407, mobile and portable client device											
Tested Frequency [MHz]	RU Index	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna		Sum	Result	Limit	Margin	Antenna		Sum	Result	Limit	Margin
1	3	1	3					1	3				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5510	61	0.50	0.51	1.01	0.03	8.26	8.23	3.74	3.79	7.54	8.77	17.00	8.23
	62	0.51	0.50	1.01	0.04	8.26	8.22	3.84	3.71	7.54	8.78	17.00	8.22
5550	61	0.47	0.52	1.00	-0.01	8.26	8.27	3.54	3.92	7.46	8.73	17.00	8.27
	62	0.47	0.53	1.01	0.02	8.26	8.24	3.55	3.98	7.52	8.76	17.00	8.24
5670	61	0.43	0.64	1.07	0.30	8.26	7.96	3.22	4.80	8.02	9.04	17.00	7.96
	62	0.45	0.70	1.15	0.60	8.26	7.66	3.40	5.20	8.60	9.34	17.00	7.66
5710	61	0.45	0.62	1.07	0.29	8.26	7.97	3.40	4.60	8.00	9.03	17.00	7.97
	62	0.45	0.60	1.05	0.23	8.26	8.03	3.40	4.50	7.89	8.97	17.00	8.03
5755	61	0.25	0.32	0.56	-2.49	27.26	29.75	1.84	2.38	4.22	6.25	36.00	29.75
	62	0.25	0.31	0.55	-2.56	27.26	29.82	1.84	2.31	4.15	6.18	36.00	29.82
5795	61	0.25	0.32	0.56	-2.51	27.26	29.77	1.84	2.36	4.20	6.23	36.00	29.77
	62	0.26	0.32	0.59	-2.31	27.26	29.57	1.97	2.42	4.39	6.43	36.00	29.57

Tested Frequency [MHz]	RU Index	Antenna 1							Antenna 3						
		Duty Factor [dB]	RBW Correction Factor [dB]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]
5510	61	0.36	0.00	-13.95	1.00	9.58	8.74	-3.01	5.73	-13.99	1.10	9.58	8.74	-2.95	5.79
	62	0.36	0.00	-13.84	1.00	9.58	8.74	-2.90	5.84	-14.09	1.10	9.58	8.74	-3.05	5.69
5550	61	0.36	0.00	-14.19	1.00	9.58	8.74	-3.25	5.49	-13.84	1.10	9.58	8.74	-2.80	5.94
	62	0.36	0.00	-14.18	1.00	9.58	8.74	-3.24	5.50	-13.79	1.10	9.58	8.74	-2.75	6.00
5670	61	0.36	0.00	-14.61	1.00	9.59	8.74	-3.66	5.08	-12.98	1.10	9.59	8.74	-1.93	6.81
	62	0.36	0.00	-14.38	1.00	9.59	8.74	-3.43	5.31	-12.63	1.10	9.59	8.74	-1.58	7.16
5710	61	0.36	0.00	-14.38	1.00	9.59	8.74	-3.43	5.31	-13.16	1.10	9.59	8.74	-2.11	6.63
	62	0.36	0.00	-14.38	1.00	9.59	8.74	-3.43	5.31	-13.26	1.10	9.59	8.74	-2.21	6.53
5755	61	0.36	0.27	-17.30	1.00	9.59	8.74	-6.08	2.66	-16.30	1.10	9.59	8.74	-4.98	3.76
	62	0.36	0.27	-17.31	1.00	9.59	8.74	-6.09	2.65	-16.42	1.10	9.59	8.74	-5.11	3.63
5795	61	0.36	0.27	-17.31	1.00	9.59	8.74	-6.09	2.65	-16.33	1.10	9.59	8.74	-5.01	3.73
	62	0.36	0.27	-17.02	1.00	9.59	8.74	-5.80	2.94	-16.21	1.10	9.59	8.74	-4.89	3.85

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		February 9, 2022	February 9, 2022
Date	February 7, 2022	February 9, 2022	February 9, 2022	February 9, 2022
Temperature / Humidity	23 deg. C / 32 % RH	22 deg. C / 41 % RH	23 deg. C / 31 % RH	23 deg. C / 31 % RH
Engineer	Junki Nagatomi	Takafumi Noguchi	Kiyoshiro Okazaki	
Mode	Tx 11ax-40 OFDMA (484-tone RU)			

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

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1	3	Sum				1	3	Sum			
[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5190	0.21	0.36	0.57	-2.43	8.26	10.69	1.59	2.69	4.28	6.31	17.00	10.69
5230	0.22	0.37	0.59	-2.29	8.26	10.55	1.66	2.76	4.42	6.45	17.00	10.55
5270	0.31	0.54	0.85	-0.71	8.26	8.97	2.29	4.07	6.36	8.03	17.00	8.97
5310	0.32	0.53	0.85	-0.73	8.26	8.99	2.39	3.94	6.33	8.01	17.00	8.99
5510	0.35	0.38	0.73	-1.38	8.26	9.64	2.59	2.85	5.44	7.36	17.00	9.64
5550	0.35	0.37	0.72	-1.40	8.26	9.66	2.64	2.78	5.42	7.34	17.00	9.66
5670	0.32	0.48	0.80	-0.98	8.26	9.24	2.40	3.56	5.97	7.76	17.00	9.24
5710	0.34	0.45	0.80	-0.99	8.26	9.25	2.57	3.38	5.95	7.75	17.00	9.25
5755	0.18	0.24	0.41	-3.82	27.26	31.08	1.34	1.76	3.10	4.92	36.00	31.08
5795	0.19	0.24	0.43	-3.63	27.26	30.89	1.46	1.78	3.24	5.11	36.00	30.89

Tested Frequency [MHz]	Antenna 1							Antenna 3						
	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.
	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5190	0.37	0.00	-17.58	0.90	9.59	8.74	-6.72	2.02	-15.41	1.00	9.59	8.74	-4.45	4.29
5230	0.37	0.00	-17.39	0.90	9.59	8.74	-6.53	2.21	-15.30	1.00	9.59	8.74	-4.34	4.40
5270	0.37	0.00	-16.01	0.90	9.59	8.74	-5.15	3.59	-13.60	1.00	9.59	8.74	-2.64	6.10
5310	0.37	0.00	-15.82	0.90	9.59	8.74	-4.96	3.78	-13.75	1.00	9.59	8.74	-2.79	5.96
5510	0.37	0.00	-15.55	1.00	9.58	8.74	-4.60	4.14	-15.25	1.10	9.58	8.74	-4.20	4.55
5550	0.37	0.00	-15.48	1.00	9.58	8.74	-4.53	4.21	-15.35	1.10	9.58	8.74	-4.30	4.45
5670	0.37	0.00	-15.89	1.00	9.59	8.74	-4.93	3.81	-14.28	1.10	9.59	8.74	-3.22	5.52
5710	0.37	0.00	-15.60	1.00	9.59	8.74	-4.64	4.10	-14.51	1.10	9.59	8.74	-3.45	5.30
5755	0.37	0.27	-18.70	1.00	9.59	8.74	-7.47	1.27	-17.60	1.10	9.59	8.74	-6.27	2.47
5795	0.37	0.27	-18.34	1.00	9.60	8.74	-7.10	1.64	-17.57	1.10	9.60	8.74	-6.23	2.51

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-80

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

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1	3	Sum				1	3	Sum			
[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5210	0.09	0.16	0.25	-5.95	8.26	14.21	0.68	1.22	1.90	2.79	17.00	14.21
5290	0.15	0.23	0.38	-4.25	8.26	12.51	1.09	1.73	2.81	4.49	17.00	12.51
5530	0.16	0.15	0.31	-5.03	8.26	13.29	1.20	1.15	2.35	3.71	17.00	13.29
5610	0.17	0.17	0.34	-4.73	8.26	12.99	1.25	1.26	2.52	4.01	17.00	12.99
5690	0.15	0.20	0.35	-4.58	8.26	12.84	1.11	1.50	2.61	4.16	17.00	12.84
5775	0.09	0.09	0.18	-7.40	27.26	34.66	0.66	0.70	1.36	1.34	36.00	34.66

Tested Frequency [MHz]	Antenna 1							Antenna 3						
	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	PSD Result	
	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5210	0.12	0.00	-21.02	0.90	9.59	8.74	-10.41	-1.67	-18.58	1.00	9.59	8.74	-7.87	0.87
5290	0.12	0.00	-18.98	0.90	9.59	8.74	-8.37	0.37	-17.08	1.00	9.59	8.74	-6.37	2.37
5530	0.12	0.00	-18.65	1.00	9.58	8.74	-7.95	0.79	-18.94	1.10	9.58	8.74	-8.14	0.60
5610	0.12	0.00	-18.47	1.00	9.59	8.74	-7.76	0.98	-18.53	1.10	9.59	8.74	-7.72	1.02
5690	0.12	0.00	-19.00	1.00	9.59	8.74	-8.29	0.45	-17.80	1.10	9.59	8.74	-6.99	1.75
5775	0.12	0.27	-21.50	1.00	9.59	8.74	-10.53	-1.79	-21.38	1.10	9.59	8.74	-10.30	-1.56

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-80 (OFDM)

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

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1	3	Sum				1	3	Sum			
[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5210	0.10	0.17	0.27	-5.65	8.26	13.91	0.75	1.29	2.04	3.09	17.00	13.91
5290	0.15	0.24	0.39	-4.07	8.26	12.33	1.14	1.79	2.93	4.67	17.00	12.33
5530	0.18	0.16	0.35	-4.61	8.26	12.87	1.36	1.22	2.59	4.13	17.00	12.87
5610	0.18	0.17	0.35	-4.62	8.26	12.88	1.33	1.26	2.58	4.12	17.00	12.88
5690	0.16	0.20	0.36	-4.45	8.26	12.71	1.21	1.48	2.69	4.29	17.00	12.71
5775	0.09	0.10	0.19	-7.22	27.26	34.48	0.68	0.74	1.42	1.52	36.00	34.48

Tested Frequency [MHz]	Antenna 1							Antenna 3						
	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.
	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5210	0.12	0.00	-20.61	0.90	9.59	8.74	-10.00	-1.26	-18.35	1.00	9.59	8.74	-7.64	1.10
5290	0.12	0.00	-18.78	0.90	9.59	8.74	-8.17	0.57	-16.92	1.00	9.59	8.74	-6.21	2.53
5530	0.12	0.00	-18.10	1.00	9.58	8.74	-7.40	1.35	-18.67	1.10	9.58	8.74	-7.87	0.87
5610	0.12	0.00	-18.22	1.00	9.59	8.74	-7.51	1.23	-18.56	1.10	9.59	8.74	-7.75	0.99
5690	0.12	0.00	-18.62	1.00	9.59	8.74	-7.91	0.83	-17.86	1.10	9.59	8.74	-7.05	1.69
5775	0.12	0.27	-21.36	1.00	9.59	8.74	-10.39	-1.65	-21.15	1.10	9.59	8.74	-10.07	-1.33

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)

### Maximum Power Spectral Density

Test place: Ise EMC Lab. No.8 Measurement Room  
 Date: February 7, 2022      February 9, 2022      February 9, 2022  
 Temperature / Humidity: 23 deg. C / 32 % RH      22 deg. C / 41 % RH      23 deg. C / 31 % RH  
 Engineer: Junki Nagatomi      Takafumi Noguchi      Kiyoshiro Okazaki  
 Mode: Tx 11ax-80 OFDMA (26-tone RU)

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

Tested Frequency [MHz]	RU Index	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna 1 [mW/MHz]	Antenna 3 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Antenna 1 [mW/MHz]	Antenna 3 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
5210	0	0.26	0.49	0.75	-1.26	8.26	9.52	1.95	3.64	5.59	7.48	17.00	9.52
	18	0.23	0.40	0.63	-1.98	8.26	10.24	1.72	3.03	4.74	6.76	17.00	10.24
	36	0.30	0.53	0.83	-0.82	8.26	9.08	2.23	3.97	6.20	7.92	17.00	9.08
5290	0	0.33	0.73	1.07	0.27	8.26	7.99	2.49	5.48	7.97	9.01	17.00	7.99
	18	0.33	0.49	0.82	-0.88	8.26	9.14	2.44	3.67	6.11	7.86	17.00	9.14
	36	0.44	0.63	1.07	0.31	8.26	7.95	3.30	4.73	8.03	9.05	17.00	7.95
5530	0	0.43	0.44	0.86	-0.64	8.26	8.90	3.18	3.27	6.45	8.10	17.00	8.90
	18	0.39	0.38	0.77	-1.14	8.26	9.40	2.90	2.85	5.75	7.60	17.00	9.40
	36	0.44	0.52	0.95	-0.22	8.26	8.48	3.27	3.85	7.12	8.52	17.00	8.48
5610	0	0.47	0.53	1.00	-0.02	8.26	8.28	3.51	3.94	7.45	8.72	17.00	8.28
	18	0.38	0.44	0.82	-0.87	8.26	9.13	2.82	3.31	6.13	7.87	17.00	9.13
	36	0.48	0.58	1.05	0.22	8.26	8.04	3.56	4.31	7.88	8.96	17.00	8.04
5690	0	0.39	0.58	0.97	-0.13	8.26	8.39	2.91	4.35	7.26	8.61	17.00	8.39
	18	0.33	0.46	0.78	-1.05	8.26	9.31	2.45	3.42	5.87	7.69	17.00	9.31
	36	0.40	0.62	1.02	0.10	8.26	8.16	3.03	4.63	7.66	8.84	17.00	8.16
5775	0	0.23	0.27	0.51	-2.94	27.26	30.20	1.75	2.05	3.80	5.80	36.00	30.20
	18	0.21	0.27	0.49	-3.12	27.26	30.38	1.61	2.04	3.65	5.62	36.00	30.38
	36	0.24	0.28	0.52	-2.86	27.26	30.12	1.81	2.06	3.87	5.88	36.00	30.12

Tested Frequency [MHz]	RU Index	Antenna 1						Antenna 3							
		Duty Factor [dB]	RBW Correction Factor [dB]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]
5210	0	0.24	0.00	-16.57	0.90	9.59	8.74	-5.84	2.90	-13.96	1.00	9.59	8.74	-3.13	5.62
	18	0.24	0.00	-17.12	0.90	9.59	8.74	-6.39	2.35	-14.76	1.00	9.59	8.74	-3.93	4.81
	36	0.24	0.00	-15.99	0.90	9.59	8.74	-5.26	3.48	-13.58	1.00	9.59	8.74	-2.75	5.99
5290	0	0.24	0.00	-15.50	0.90	9.59	8.74	-4.77	3.97	-12.19	1.00	9.59	8.74	-1.36	7.38
	18	0.24	0.00	-15.59	0.90	9.59	8.74	-4.86	3.88	-13.93	1.00	9.59	8.74	-3.10	5.64
	36	0.24	0.00	-14.28	0.90	9.59	8.74	-3.55	5.19	-12.82	1.00	9.59	8.74	-1.99	6.75
5530	0	0.24	0.00	-14.53	1.00	9.58	8.74	-3.71	5.03	-14.52	1.10	9.58	8.74	-3.60	5.14
	18	0.24	0.00	-14.93	1.00	9.58	8.74	-4.11	4.63	-15.11	1.10	9.58	8.74	-4.19	4.55
	36	0.24	0.00	-14.42	1.00	9.58	8.74	-3.60	5.14	-13.80	1.10	9.58	8.74	-2.88	5.86
5610	0	0.24	0.00	-14.12	1.00	9.59	8.74	-3.29	5.45	-13.71	1.10	9.59	8.74	-2.78	5.96
	18	0.24	0.00	-15.07	1.00	9.59	8.74	-4.24	4.50	-14.47	1.10	9.59	8.74	-3.54	5.20
	36	0.24	0.00	-14.05	1.00	9.59	8.74	-3.22	5.52	-13.32	1.10	9.59	8.74	-2.39	6.35
5690	0	0.24	0.00	-14.93	1.00	9.59	8.74	-4.10	4.64	-13.29	1.10	9.59	8.74	-2.36	6.39
	18	0.24	0.00	-15.68	1.00	9.59	8.74	-4.85	3.89	-14.33	1.10	9.59	8.74	-3.40	5.35
	36	0.24	0.00	-14.76	1.00	9.59	8.74	-3.93	4.81	-13.01	1.10	9.59	8.74	-2.08	6.66
5775	0	0.24	0.27	-17.42	1.00	9.59	8.74	-6.32	2.42	-16.82	1.10	9.59	8.74	-5.62	3.12
	18	0.24	0.27	-17.78	1.00	9.59	8.74	-6.68	2.06	-16.84	1.10	9.59	8.74	-5.64	3.10
	36	0.24	0.27	-17.26	1.00	9.59	8.74	-6.16	2.58	-16.80	1.10	9.59	8.74	-5.60	3.14

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	February 9, 2022
Temperature / Humidity	23 deg. C / 32 % RH	22 deg. C / 41 % RH	23 deg. C / 31 % RH
Engineer	Junki Nagatomi	Takafumi Noguchi	Kiyoshiro Okazaki
Mode	Tx 11ax-80 OFDMA (52-tone RU)		

Antenna 1+3													Applied limit: 15.407, mobile and portable client device			
Tested Frequency [MHz]	RU Index	PSD (Conducted)						PSD (e.i.r.p.)								
		Antenna 1		Antenna 3		Sum	Result	Limit	Margin	Antenna 1		Antenna 3		Sum	Result	Limit
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dBm/MHz]	[dB]
5210	37	0.26	0.28	0.54	-2.64	8.26	10.90	1.98	2.09	4.07	6.10	17.00	10.90			
	44	0.33	0.34	0.66	-1.79	8.26	10.05	2.44	2.51	4.95	6.95	17.00	10.05			
	52	0.33	0.33	0.66	-1.79	8.26	10.05	2.48	2.48	4.96	6.95	17.00	10.05			
5290	37	0.39	0.71	1.10	0.42	8.26	7.84	2.94	5.30	8.24	9.16	17.00	7.84			
	44	0.45	0.78	1.22	0.88	8.26	7.38	3.34	5.81	9.15	9.62	17.00	7.38			
	52	0.46	0.69	1.15	0.60	8.26	7.66	3.44	5.15	8.59	9.34	17.00	7.66			
5530	37	0.49	0.49	0.97	-0.12	8.26	8.38	3.64	3.64	7.28	8.62	17.00	8.38			
	44	0.48	0.53	1.01	0.05	8.26	8.21	3.60	3.98	7.57	8.79	17.00	8.21			
	52	0.50	0.53	1.03	0.11	8.26	8.15	3.71	3.97	7.68	8.85	17.00	8.15			
5610	37	0.48	0.53	1.01	0.03	8.26	8.23	3.58	3.96	7.54	8.77	17.00	8.23			
	44	0.46	0.54	1.01	0.04	8.26	8.22	3.48	4.07	7.54	8.78	17.00	8.22			
	52	0.45	0.57	1.02	0.10	8.26	8.16	3.40	4.24	7.65	8.84	17.00	8.16			
5690	37	0.39	0.58	0.97	-0.13	8.26	8.39	2.94	4.32	7.26	8.61	17.00	8.39			
	44	0.39	0.58	0.98	-0.11	8.26	8.37	2.92	4.37	7.30	8.63	17.00	8.37			
	52	0.44	0.59	1.04	0.16	8.26	8.10	3.33	4.43	7.76	8.90	17.00	8.10			
5775	37	0.28	0.31	0.58	-2.34	27.26	29.60	2.06	2.30	4.36	6.40	36.00	29.60			
	44	0.27	0.30	0.57	-2.43	27.26	29.69	2.01	2.27	4.28	6.31	36.00	29.69			
	52	0.28	0.31	0.59	-2.31	27.26	29.57	2.08	2.32	4.40	6.43	36.00	29.57			

Tested Frequency [MHz]	RU Index	Antenna 1							Antenna 3						
		Duty Factor [dB]	RBW Correction Factor [dB]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result e.i.r.p. [dBm/MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result e.i.r.p. [dBm/MHz]		
5210	37	0.29	0.00	-16.56	0.90	9.59	8.74	-5.78	2.97	-16.42	1.00	9.59	8.74	-5.54	3.20
	44	0.29	0.00	-15.65	0.90	9.59	8.74	-4.87	3.88	-15.62	1.00	9.59	8.74	-4.74	4.00
	52	0.29	0.00	-15.57	0.90	9.59	8.74	-4.79	3.95	-15.68	1.00	9.59	8.74	-4.80	3.94
5290	37	0.29	0.00	-14.84	0.90	9.59	8.74	-4.06	4.68	-12.38	1.00	9.59	8.74	-1.50	7.24
	44	0.29	0.00	-14.28	0.90	9.59	8.74	-3.50	5.24	-11.98	1.00	9.59	8.74	-1.10	7.64
	52	0.29	0.00	-14.16	0.90	9.59	8.74	-3.38	5.36	-12.50	1.00	9.59	8.74	-1.62	7.12
5530	37	0.29	0.00	-14.00	1.00	9.58	8.74	-3.13	5.61	-14.10	1.10	9.58	8.74	-3.13	5.62
	44	0.29	0.00	-14.05	1.00	9.58	8.74	-3.18	5.56	-13.72	1.10	9.58	8.74	-2.75	6.00
	52	0.29	0.00	-13.92	1.00	9.58	8.74	-3.05	5.69	-13.72	1.10	9.58	8.74	-2.75	5.99
5610	37	0.29	0.00	-14.08	1.00	9.59	8.74	-3.20	5.54	-13.75	1.10	9.59	8.74	-2.77	5.97
	44	0.29	0.00	-14.21	1.00	9.59	8.74	-3.33	5.41	-13.63	1.10	9.59	8.74	-2.65	6.09
	52	0.29	0.00	-14.30	1.00	9.59	8.74	-3.42	5.32	-13.44	1.10	9.59	8.74	-2.46	6.28
5690	37	0.29	0.00	-14.94	1.00	9.59	8.74	-4.06	4.68	-13.36	1.10	9.59	8.74	-2.38	6.36
	44	0.29	0.00	-14.96	1.00	9.59	8.74	-4.08	4.66	-13.31	1.10	9.59	8.74	-2.33	6.41
	52	0.29	0.00	-14.40	1.00	9.59	8.74	-3.52	5.22	-13.26	1.10	9.59	8.74	-2.28	6.46
5775	37	0.29	0.27	-16.74	1.00	9.59	8.74	-5.59	3.15	-16.37	1.10	9.59	8.74	-5.12	3.62
	44	0.29	0.27	-16.86	1.00	9.59	8.74	-5.71	3.03	-16.43	1.10	9.59	8.74	-5.18	3.56
	52	0.29	0.27	-16.71	1.00	9.59	8.74	-5.56	3.18	-16.34	1.10	9.59	8.74	-5.09	3.65

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	February 9, 2022
Temperature / Humidity	22 deg. C / 42 % RH	22 deg. C / 41 % RH	23 deg. C / 31 % RH
Engineer	Kiyoshiro Okazaki	Takafumi Noguchi	Kiyoshiro Okazaki
Mode	Tx 11ax-80 OFDMA (106-tone RU)		

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

Tested Frequency [MHz]	RU Index	PSD (Conducted)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin		
		1	3	Sum				1	3	Sum					
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		
5210	53	0.30	0.54	0.84	-0.76	8.26	9.02	2.27	4.02	6.29	7.98	17.00	9.02		
	56	0.34	0.57	0.91	-0.43	8.26	8.69	2.52	4.27	6.78	8.31	17.00	8.69		
	60	0.33	0.61	0.94	-0.28	8.26	8.54	2.48	4.53	7.01	8.46	17.00	8.54		
5290	53	0.42	0.78	1.20	0.78	8.26	7.48	3.14	5.81	8.95	9.52	17.00	7.48		
	56	0.47	0.79	1.25	0.97	8.26	7.29	3.48	5.87	9.36	9.71	17.00	7.29		
	60	0.48	0.76	1.24	0.94	8.26	7.32	3.58	5.71	9.30	9.68	17.00	7.32		
5530	53	0.53	0.49	1.02	0.07	8.26	8.19	3.96	3.64	7.60	8.81	17.00	8.19		
	56	0.51	0.51	1.02	0.08	8.26	8.18	3.80	3.82	7.62	8.82	17.00	8.18		
	60	0.54	0.54	1.09	0.36	8.26	7.90	4.06	4.06	8.12	9.10	17.00	7.90		
5610	53	0.51	0.50	1.01	0.04	8.26	8.22	3.80	3.74	7.54	8.78	17.00	8.22		
	56	0.50	0.51	1.02	0.08	8.26	8.18	3.77	3.85	7.61	8.82	17.00	8.18		
	60	0.47	0.61	1.08	0.34	8.26	7.92	3.55	4.55	8.10	9.08	17.00	7.92		
5690	53	0.43	0.60	1.02	0.10	8.26	8.16	3.20	4.46	7.66	8.84	17.00	8.16		
	56	0.46	0.60	1.06	0.24	8.26	8.02	3.44	4.48	7.91	8.98	17.00	8.02		
	60	0.45	0.61	1.06	0.24	8.26	8.02	3.33	4.57	7.91	8.98	17.00	8.02		
5775	53	0.26	0.29	0.55	-2.56	27.26	29.82	1.95	2.19	4.15	6.18	36.00	29.82		
	56	0.27	0.30	0.57	-2.46	27.26	29.72	2.02	2.22	4.25	6.28	36.00	29.72		
	60	0.27	0.31	0.58	-2.35	27.26	29.61	2.02	2.34	4.36	6.39	36.00	29.61		

Tested Frequency [MHz]	RU Index	Antenna 1							Antenna 3						
		Duty Factor [dB]	RBW Correction Factor [dB]	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result Cond.	PSD Result e.i.r.p.
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]					[dBm/MHz]	[dBm/MHz]
5210	53	0.31	0.00	-15.98	0.90	9.59	8.74	-5.18	3.56	-13.60	1.00	9.59	8.74	-2.70	6.04
	56	0.31	0.00	-15.53	0.90	9.59	8.74	-4.73	4.01	-13.34	1.00	9.59	8.74	-2.44	6.30
	60	0.31	0.00	-15.60	0.90	9.59	8.74	-4.80	3.94	-13.08	1.00	9.59	8.74	-2.18	6.56
5290	53	0.31	0.00	-14.57	0.90	9.59	8.74	-3.77	4.97	-12.00	1.00	9.59	8.74	-1.10	7.64
	56	0.31	0.00	-14.12	0.90	9.59	8.74	-3.32	5.42	-11.95	1.00	9.59	8.74	-1.05	7.69
	60	0.31	0.00	-14.00	0.90	9.59	8.74	-3.20	5.54	-12.07	1.00	9.59	8.74	-1.17	7.57
5530	53	0.31	0.00	-13.65	1.00	9.58	8.74	-2.76	5.98	-14.12	1.10	9.58	8.74	-3.13	5.61
	56	0.31	0.00	-13.83	1.00	9.58	8.74	-2.94	5.80	-13.91	1.10	9.58	8.74	-2.92	5.82
	60	0.31	0.00	-13.54	1.00	9.58	8.74	-2.65	6.09	-13.65	1.10	9.58	8.74	-2.66	6.08
5610	53	0.31	0.00	-13.84	1.00	9.59	8.74	-2.94	5.80	-14.01	1.10	9.59	8.74	-3.01	5.73
	56	0.31	0.00	-13.88	1.00	9.59	8.74	-2.98	5.76	-13.89	1.10	9.59	8.74	-2.89	5.85
	60	0.31	0.00	-14.14	1.00	9.59	8.74	-3.24	5.50	-13.16	1.10	9.59	8.74	-2.16	6.58
5690	53	0.31	0.00	-14.59	1.00	9.59	8.74	-3.69	5.05	-13.25	1.10	9.59	8.74	-2.25	6.49
	56	0.31	0.00	-14.28	1.00	9.59	8.74	-3.38	5.36	-13.23	1.10	9.59	8.74	-2.23	6.51
	60	0.31	0.00	-14.41	1.00	9.59	8.74	-3.51	5.23	-13.14	1.10	9.59	8.74	-2.14	6.60
5775	53	0.31	0.27	-17.00	1.00	9.59	8.74	-5.83	2.91	-16.60	1.10	9.59	8.74	-5.33	3.41
	56	0.31	0.27	-16.85	1.00	9.59	8.74	-5.68	3.06	-16.54	1.10	9.59	8.74	-5.27	3.47
	60	0.31	0.27	-16.86	1.00	9.59	8.74	-5.69	3.05	-16.32	1.10	9.59	8.74	-5.05	3.69

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 February 9, 2022  
 Temperature / Humidity: 22 deg. C / 42 % RH 22 deg. C / 41 % RH 23 deg. C / 31 % RH  
 Engineer: Kiyoshiro Okazaki Takafumi Noguchi Kiyoshiro Okazaki  
 Mode: Tx 11ax-80 OFDMA (242-tone RU)

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

Tested Frequency [MHz]	RU Index	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna		Sum	Result	Limit	Margin	Antenna		Sum	Result	Limit	Margin
		1	3	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	1	3	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5210	61	0.29	0.49	0.79	-1.05	8.26	9.31	2.20	3.68	5.88	7.69	17.00	9.31
	62	0.25	0.45	0.70	-1.55	8.26	9.81	1.88	3.35	5.23	7.19	17.00	9.81
	64	0.30	0.52	0.81	-0.90	8.26	9.16	2.21	3.86	6.07	7.84	17.00	9.16
5290	61	0.40	0.69	1.09	0.37	8.26	7.89	3.00	5.14	8.14	9.11	17.00	7.89
	62	0.39	0.68	1.07	0.29	8.26	7.97	2.90	5.09	8.00	9.03	17.00	7.97
	64	0.43	0.70	1.13	0.52	8.26	7.74	3.20	5.24	8.43	9.26	17.00	7.74
5530	61	0.47	0.45	0.92	-0.35	8.26	8.61	3.54	3.37	6.91	8.39	17.00	8.61
	62	0.48	0.47	0.95	-0.22	8.26	8.48	3.58	3.52	7.10	8.52	17.00	8.48
	64	0.52	0.50	1.02	0.08	8.26	8.18	3.86	3.75	7.61	8.82	17.00	8.18
5610	61	0.49	0.44	0.92	-0.35	8.26	8.61	3.63	3.27	6.90	8.39	17.00	8.61
	62	0.45	0.45	0.90	-0.45	8.26	8.71	3.40	3.33	6.74	8.29	17.00	8.71
	64	0.48	0.52	1.01	0.03	8.26	8.23	3.62	3.91	7.53	8.77	17.00	8.23
5690	61	0.41	0.59	1.00	-0.01	8.26	8.27	3.04	4.42	7.46	8.73	17.00	8.27
	62	0.39	0.55	0.94	-0.26	8.26	8.52	2.94	4.10	7.04	8.48	17.00	8.52
	64	0.47	0.57	1.04	0.17	8.26	8.09	3.50	4.28	7.78	8.91	17.00	8.09
5775	61	0.24	0.29	0.53	-2.75	27.26	30.01	1.80	2.18	3.98	5.99	36.00	30.01
	62	0.23	0.28	0.51	-2.89	27.26	30.15	1.76	2.09	3.85	5.85	36.00	30.15
	64	0.26	0.30	0.56	-2.51	27.26	29.77	1.94	2.25	4.20	6.23	36.00	29.77

Tested Frequency [MHz]	RU Index	Antenna 1							Antenna 3						
		Duty Factor [dB]	RBW Correction Factor [dB]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]
5210	61	0.35	0.00	-16.16	0.90	9.59	8.74	-5.32	3.42	-14.02	1.00	9.59	8.74	-3.08	5.66
	62	0.35	0.00	-16.83	0.90	9.59	8.74	-5.99	2.75	-14.43	1.00	9.59	8.74	-3.49	5.25
	64	0.35	0.00	-16.13	0.90	9.59	8.74	-5.29	3.45	-13.81	1.00	9.59	8.74	-2.87	5.87
5290	61	0.35	0.00	-14.81	0.90	9.59	8.74	-3.97	4.77	-12.57	1.00	9.59	8.74	-1.63	7.11
	62	0.35	0.00	-14.95	0.90	9.59	8.74	-4.11	4.63	-12.61	1.00	9.59	8.74	-1.67	7.07
	64	0.35	0.00	-14.53	0.90	9.59	8.74	-3.69	5.05	-12.49	1.00	9.59	8.74	-1.55	7.19
5530	61	0.35	0.00	-14.18	1.00	9.58	8.74	-3.25	5.49	-14.50	1.10	9.58	8.74	-3.47	5.27
	62	0.35	0.00	-14.13	1.00	9.58	8.74	-3.20	5.54	-14.30	1.10	9.58	8.74	-3.27	5.47
	64	0.35	0.00	-13.80	1.00	9.58	8.74	-2.87	5.87	-14.03	1.10	9.58	8.74	-3.00	5.74
5610	61	0.35	0.00	-14.08	1.00	9.59	8.74	-3.14	5.60	-14.63	1.10	9.59	8.74	-3.59	5.15
	62	0.35	0.00	-14.36	1.00	9.59	8.74	-3.42	5.32	-14.55	1.10	9.59	8.74	-3.51	5.23
	64	0.35	0.00	-14.09	1.00	9.59	8.74	-3.15	5.59	-13.86	1.10	9.59	8.74	-2.82	5.92
5690	61	0.35	0.00	-14.85	1.00	9.59	8.74	-3.91	4.83	-13.33	1.10	9.59	8.74	-2.29	6.45
	62	0.35	0.00	-15.00	1.00	9.59	8.74	-4.06	4.68	-13.65	1.10	9.59	8.74	-2.61	6.13
	64	0.35	0.00	-14.24	1.00	9.59	8.74	-3.30	5.44	-13.47	1.10	9.59	8.74	-2.43	6.31
5775	61	0.35	0.27	-17.40	1.00	9.59	8.74	-6.19	2.55	-16.67	1.10	9.59	8.74	-5.36	3.38
	62	0.35	0.27	-17.50	1.00	9.59	8.74	-6.29	2.45	-16.85	1.10	9.59	8.74	-5.54	3.20
	64	0.35	0.27	-17.06	1.00	9.59	8.74	-5.85	2.89	-16.52	1.10	9.59	8.74	-5.21	3.53

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-80 OFDMA (484-tone RU)	

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

Tested Frequency [MHz]	RU Index	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna		Sum	Result	Limit	Margin	Antenna		Sum	Result	Limit	Margin
1	3	1	3										
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5210	65	0.13	0.23	0.37	-4.36	8.26	12.62	1.01	1.73	2.74	4.38	17.00	12.62
	66	0.14	0.25	0.39	-4.14	8.26	12.40	1.02	1.86	2.89	4.60	17.00	12.40
5290	65	0.21	0.35	0.56	-2.55	8.26	10.81	1.55	2.62	4.16	6.19	17.00	10.81
	66	0.22	0.39	0.61	-2.15	8.26	10.41	1.66	2.90	4.56	6.59	17.00	10.41
5530	65	0.24	0.21	0.46	-3.39	8.26	11.65	1.82	1.60	3.43	5.35	17.00	11.65
	66	0.26	0.24	0.50	-3.02	8.26	11.28	1.94	1.80	3.74	5.72	17.00	11.28
5610	65	0.25	0.23	0.49	-3.14	8.26	11.40	1.88	1.75	3.63	5.60	17.00	11.40
	66	0.27	0.26	0.53	-2.78	8.26	11.04	2.01	1.93	3.95	5.96	17.00	11.04
5690	65	0.22	0.29	0.51	-2.94	8.26	11.20	1.64	2.16	3.80	5.80	17.00	11.20
	66	0.23	0.29	0.52	-2.83	8.26	11.09	1.71	2.19	3.90	5.91	17.00	11.09
5775	65	0.13	0.15	0.27	-5.64	27.26	32.90	0.94	1.10	2.04	3.10	36.00	32.90
	66	0.14	0.15	0.28	-5.48	27.26	32.74	1.01	1.11	2.12	3.26	36.00	32.74

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	Antenna 1				Antenna 3				PSD Result			
				PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	Cond.	e.i.r.p.		
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5210	65	0.36	0.00	-19.55	0.90	9.59	8.74	-8.70	0.04	-17.30	1.00	9.59	8.74	-6.35	2.39
	66	0.36	0.00	-19.49	0.90	9.59	8.74	-8.64	0.10	-16.99	1.00	9.59	8.74	-6.04	2.70
5290	65	0.36	0.00	-17.70	0.90	9.59	8.74	-6.85	1.89	-15.51	1.00	9.59	8.74	-4.56	4.18
	66	0.36	0.00	-17.39	0.90	9.59	8.74	-6.54	2.20	-15.06	1.00	9.59	8.74	-4.11	4.63
5530	65	0.36	0.00	-17.07	1.00	9.58	8.74	-6.13	2.61	-17.73	1.10	9.58	8.74	-6.69	2.05
	66	0.36	0.00	-16.81	1.00	9.58	8.74	-5.87	2.87	-17.23	1.10	9.58	8.74	-6.19	2.55
5610	65	0.36	0.00	-16.94	1.00	9.59	8.74	-5.99	2.75	-17.36	1.10	9.59	8.74	-6.31	2.43
	66	0.36	0.00	-16.65	1.00	9.59	8.74	-5.70	3.04	-16.93	1.10	9.59	8.74	-5.88	2.86
5690	65	0.36	0.00	-17.55	1.00	9.59	8.74	-6.60	2.14	-16.44	1.10	9.59	8.74	-5.39	3.35
	66	0.36	0.00	-17.36	1.00	9.59	8.74	-6.41	2.33	-16.39	1.10	9.59	8.74	-5.34	3.40
5775	65	0.36	0.27	-20.21	1.00	9.59	8.74	-8.99	-0.25	-19.65	1.10	9.59	8.74	-8.33	0.41
	66	0.36	0.27	-19.91	1.00	9.59	8.74	-8.69	0.05	-19.62	1.10	9.59	8.74	-8.30	0.44

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		February 9, 2022
Date	February 7, 2022	February 9, 2022	February 9, 2022
Temperature / Humidity	22 deg. C / 42 % RH	22 deg. C / 41 % RH	23 deg. C / 31 % RH
Engineer	Kiyoshiro Okazaki	Takafumi Noguchi	Kiyoshiro Okazaki
Mode	Tx 11ax-80 OFDMA (996-tone RU)		

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

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1	3	Sum				1	3	Sum			
[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5210	0.09	0.17	0.27	-5.76	8.26	14.02	0.71	1.28	1.99	2.98	17.00	14.02
5290	0.15	0.26	0.41	-3.88	8.26	12.14	1.12	1.94	3.06	4.86	17.00	12.14
5530	0.19	0.17	0.36	-4.48	8.26	12.74	1.39	1.28	2.67	4.26	17.00	12.74
5610	0.19	0.17	0.36	-4.44	8.26	12.70	1.41	1.29	2.69	4.30	17.00	12.70
5690	0.15	0.21	0.37	-4.38	8.26	12.64	1.12	1.61	2.73	4.36	17.00	12.64
5775	0.09	0.10	0.20	-7.10	27.26	34.36	0.68	0.78	1.46	1.64	36.00	34.36

Tested Frequency [MHz]	Antenna 1							Antenna 3						
	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.
	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5210	0.39	0.00	-21.12	0.90	9.59	8.74	-10.24	-1.50	-18.65	1.00	9.59	8.74	-7.67	1.07
5290	0.39	0.00	-19.12	0.90	9.59	8.74	-8.24	0.50	-16.85	1.00	9.59	8.74	-5.87	2.87
5530	0.39	0.00	-18.28	1.00	9.58	8.74	-7.31	1.43	-18.74	1.10	9.58	8.74	-7.67	1.07
5610	0.39	0.00	-18.24	1.00	9.59	8.74	-7.26	1.48	-18.73	1.10	9.59	8.74	-7.65	1.09
5690	0.39	0.00	-19.21	1.00	9.59	8.74	-8.23	0.51	-17.76	1.10	9.59	8.74	-6.68	2.06
5775	0.39	0.27	-21.66	1.00	9.59	8.74	-10.41	-1.67	-21.17	1.10	9.59	8.74	-9.82	-1.08

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor =  $10 * \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

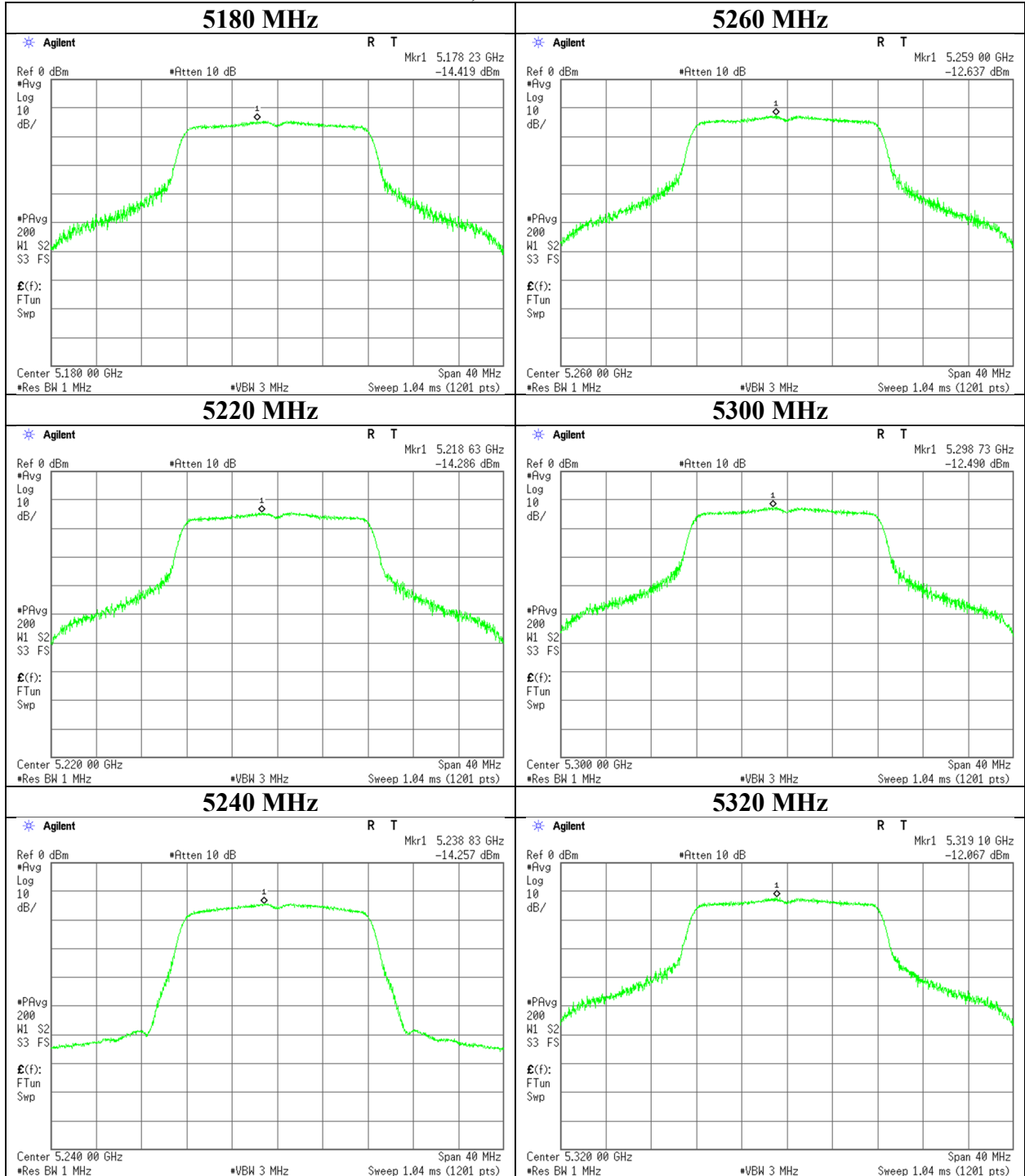
PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

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)



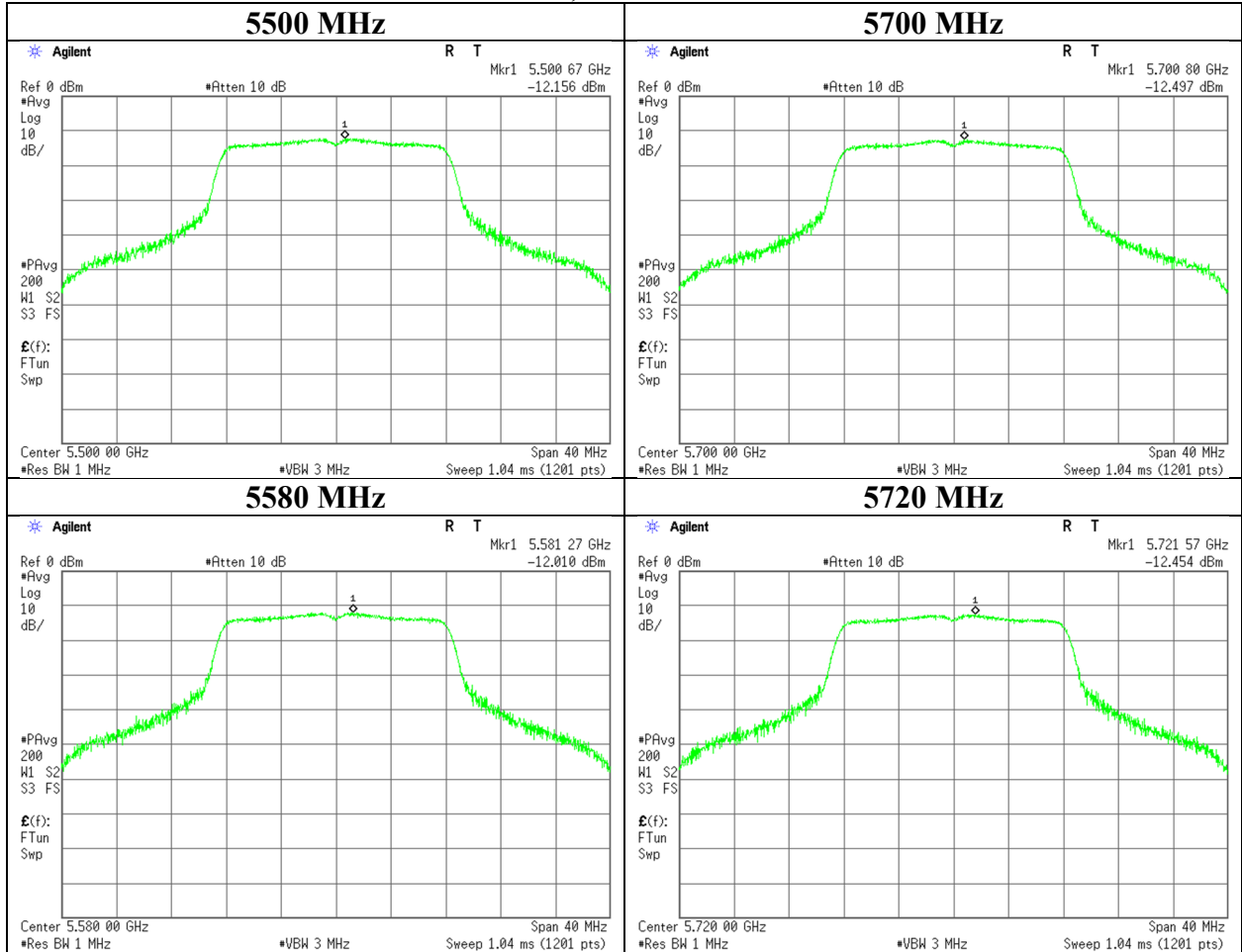
### Maximum Power Spectral Density

#### 11a, Antenna 1



### Maximum Power Spectral Density

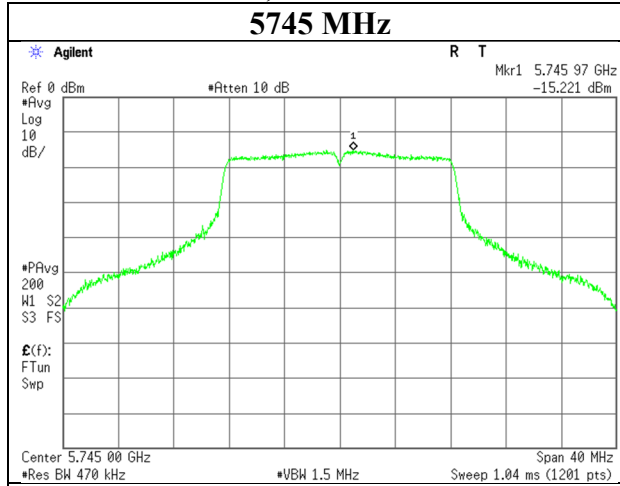
#### 11a, Antenna 1



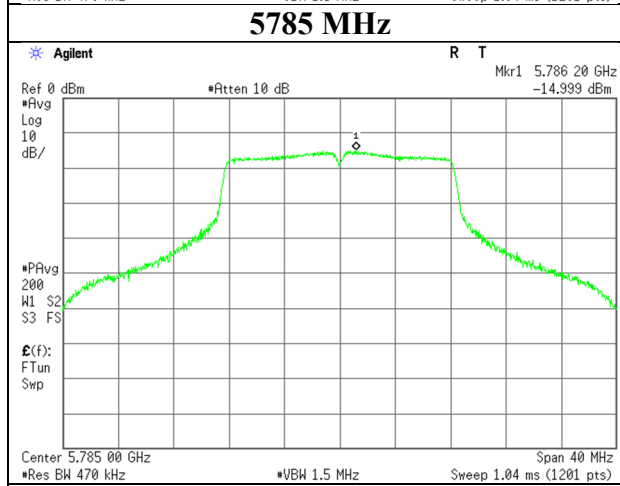
### Maximum Power Spectral Density

#### 11a, Antenna 1

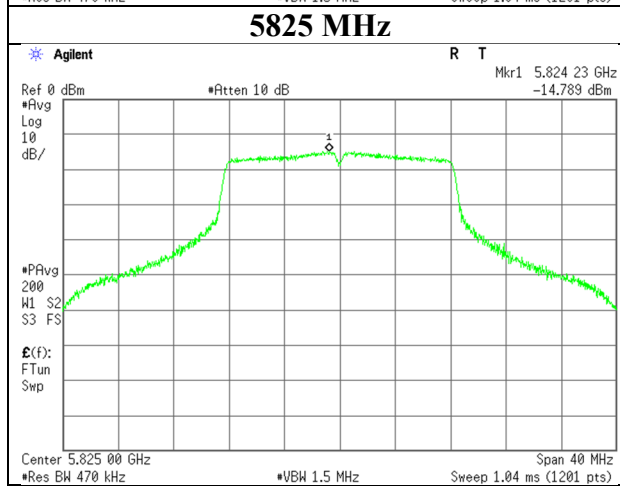
#### 5745 MHz



#### 5785 MHz

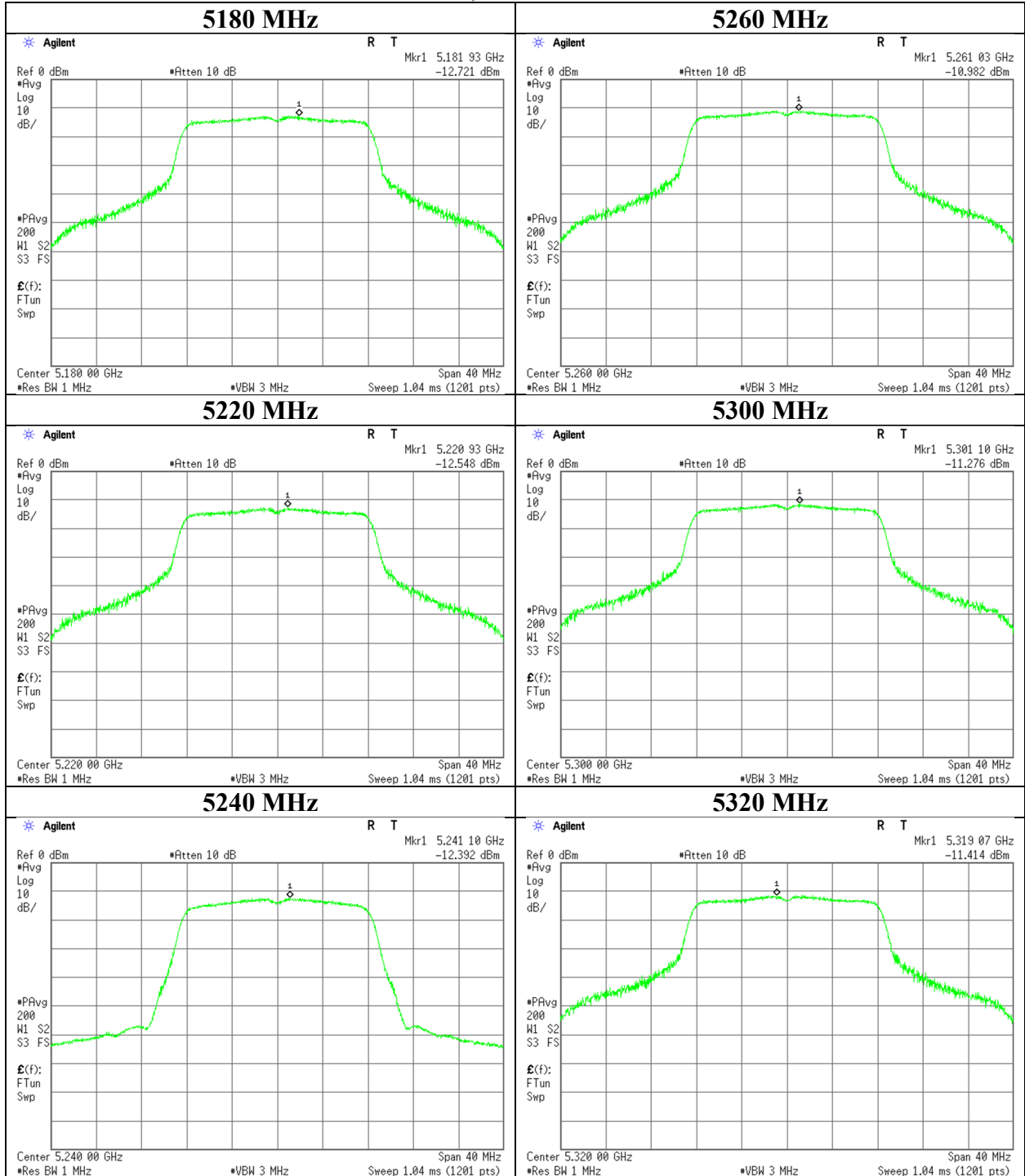


#### 5825 MHz



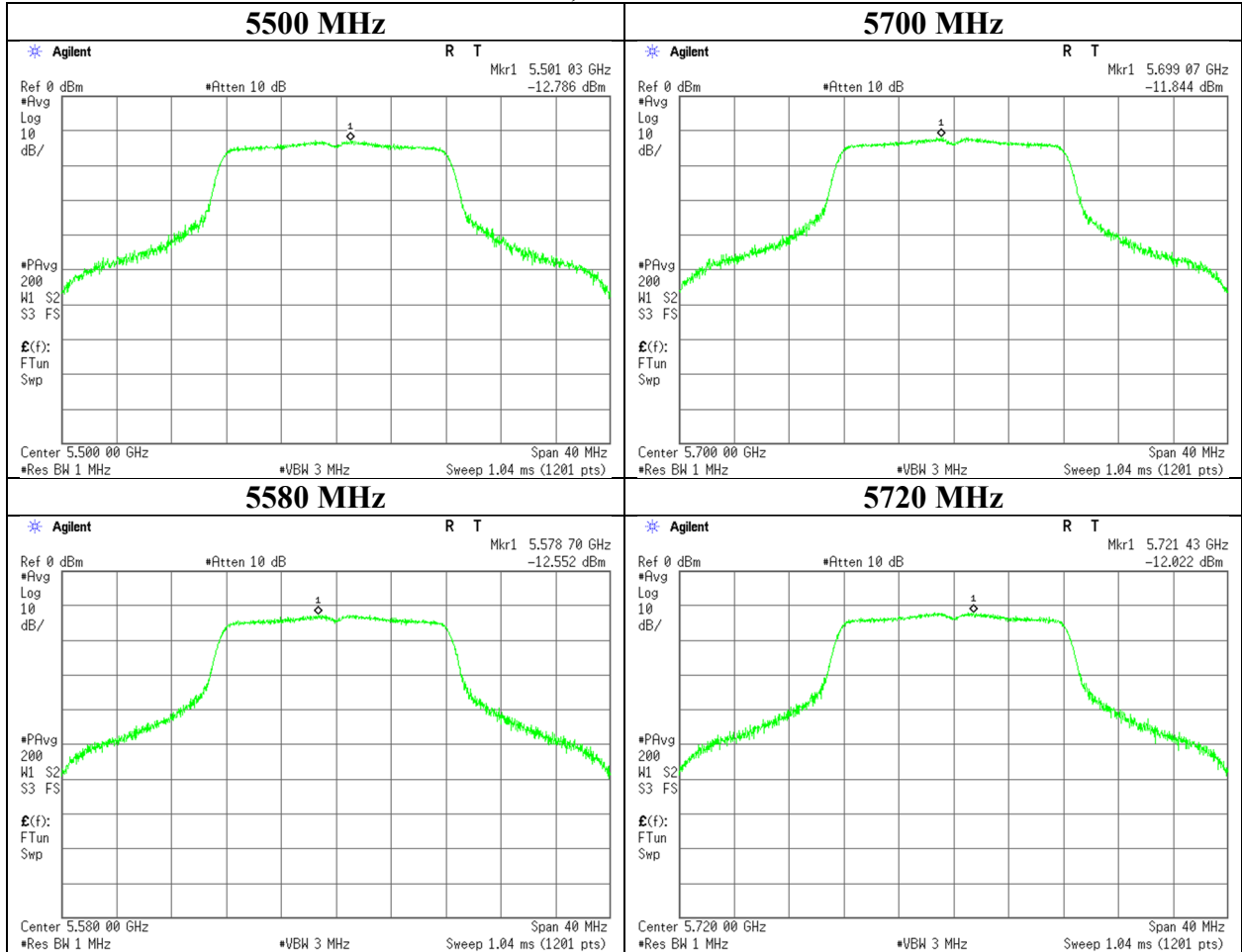
### Maximum Power Spectral Density

#### 11a, Antenna 3



### Maximum Power Spectral Density

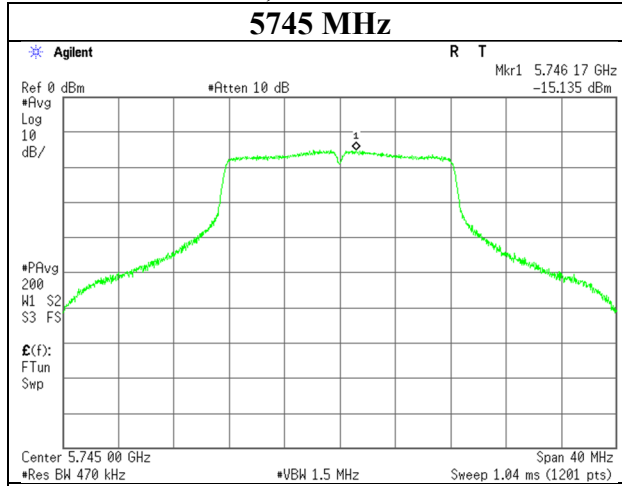
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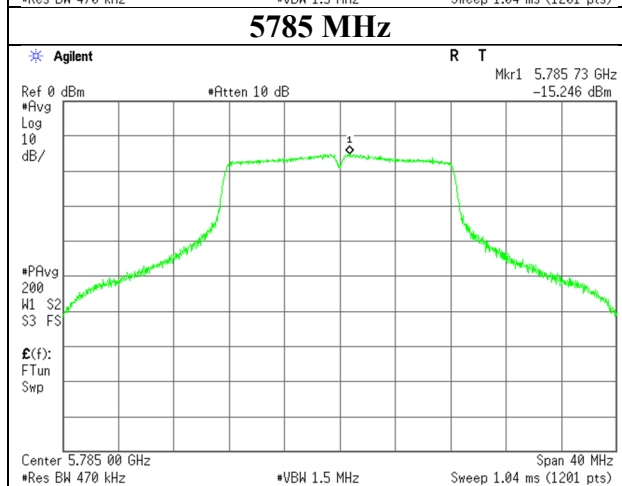
### Maximum Power Spectral Density

#### 11a, Antenna 3

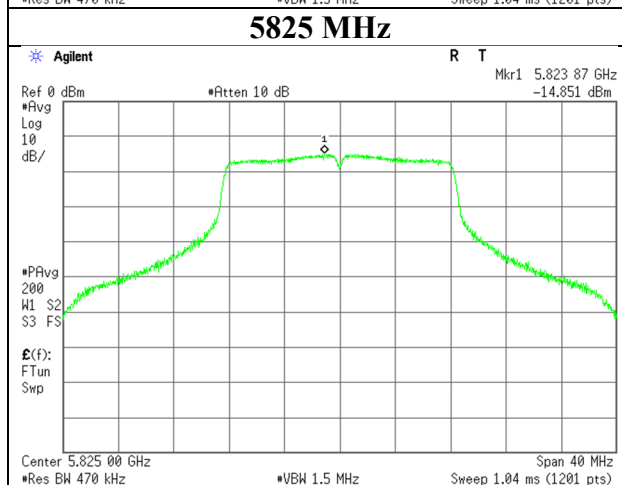
#### 5745 MHz



#### 5785 MHz

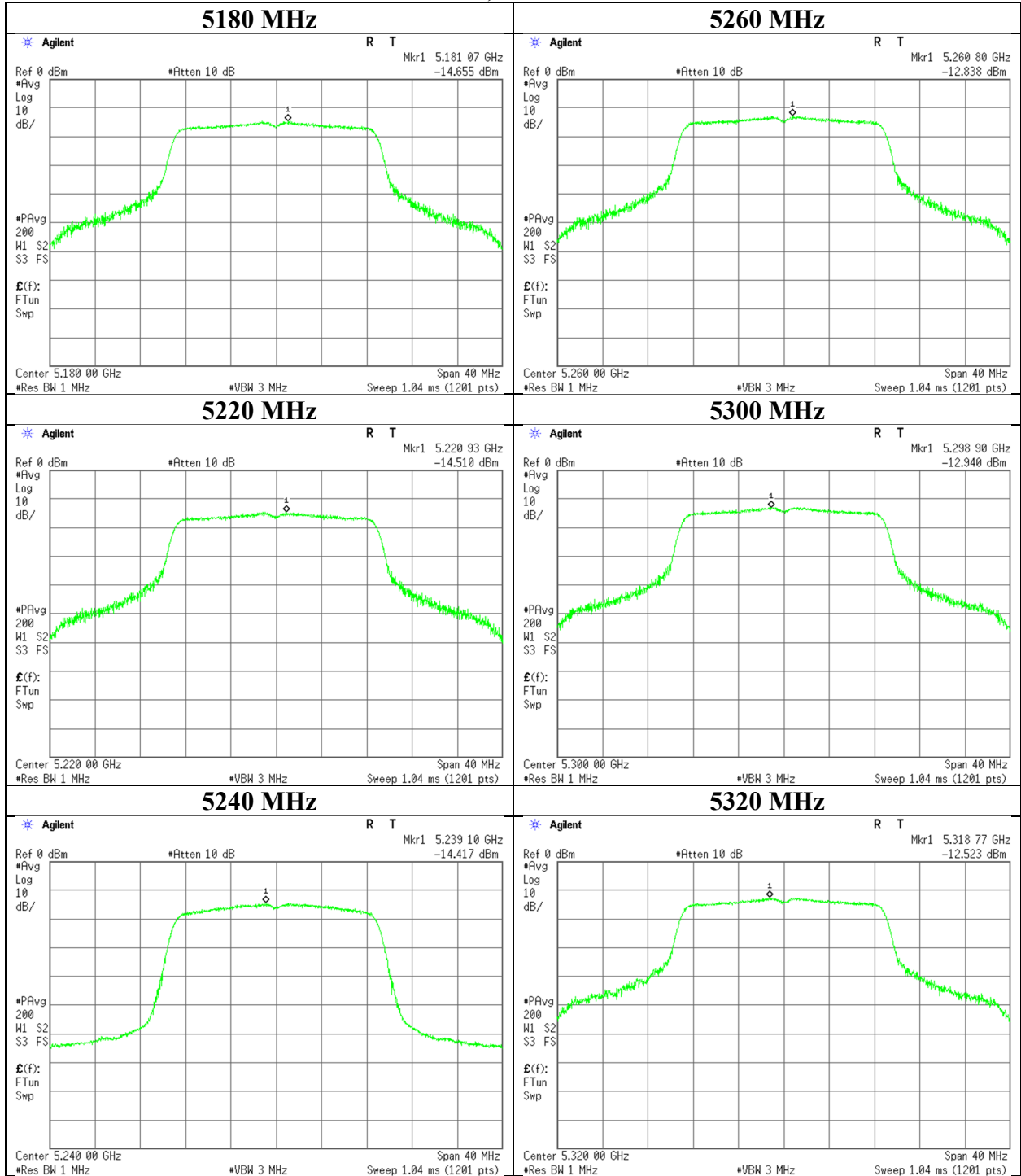


#### 5825 MHz



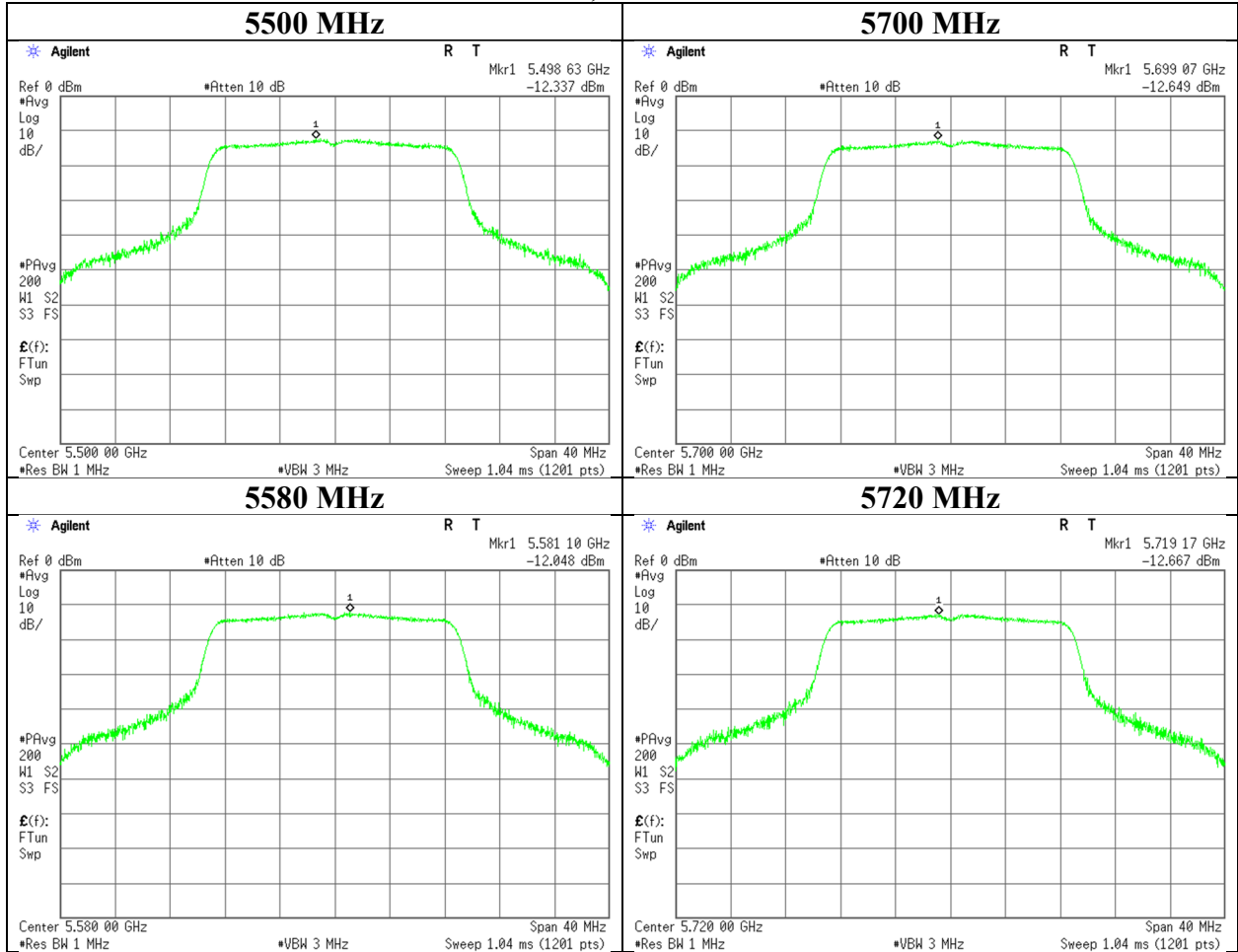
### Maximum Power Spectral Density

#### 11n-20, Antenna 1



### Maximum Power Spectral Density

#### 11n-20, Antenna 1

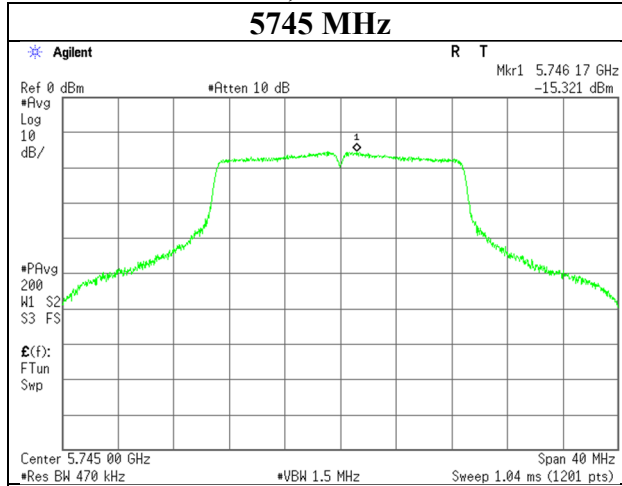




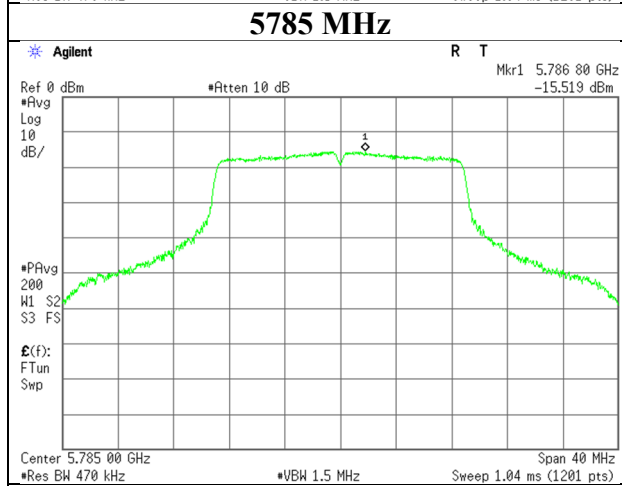
### Maximum Power Spectral Density

#### 11n-20, Antenna 1

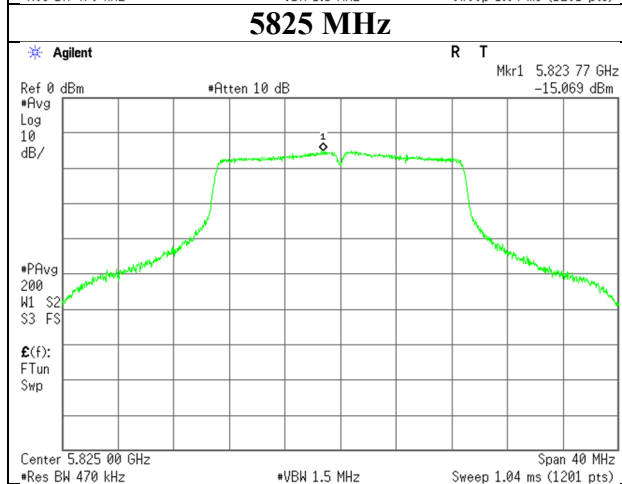
#### 5745 MHz



#### 5785 MHz

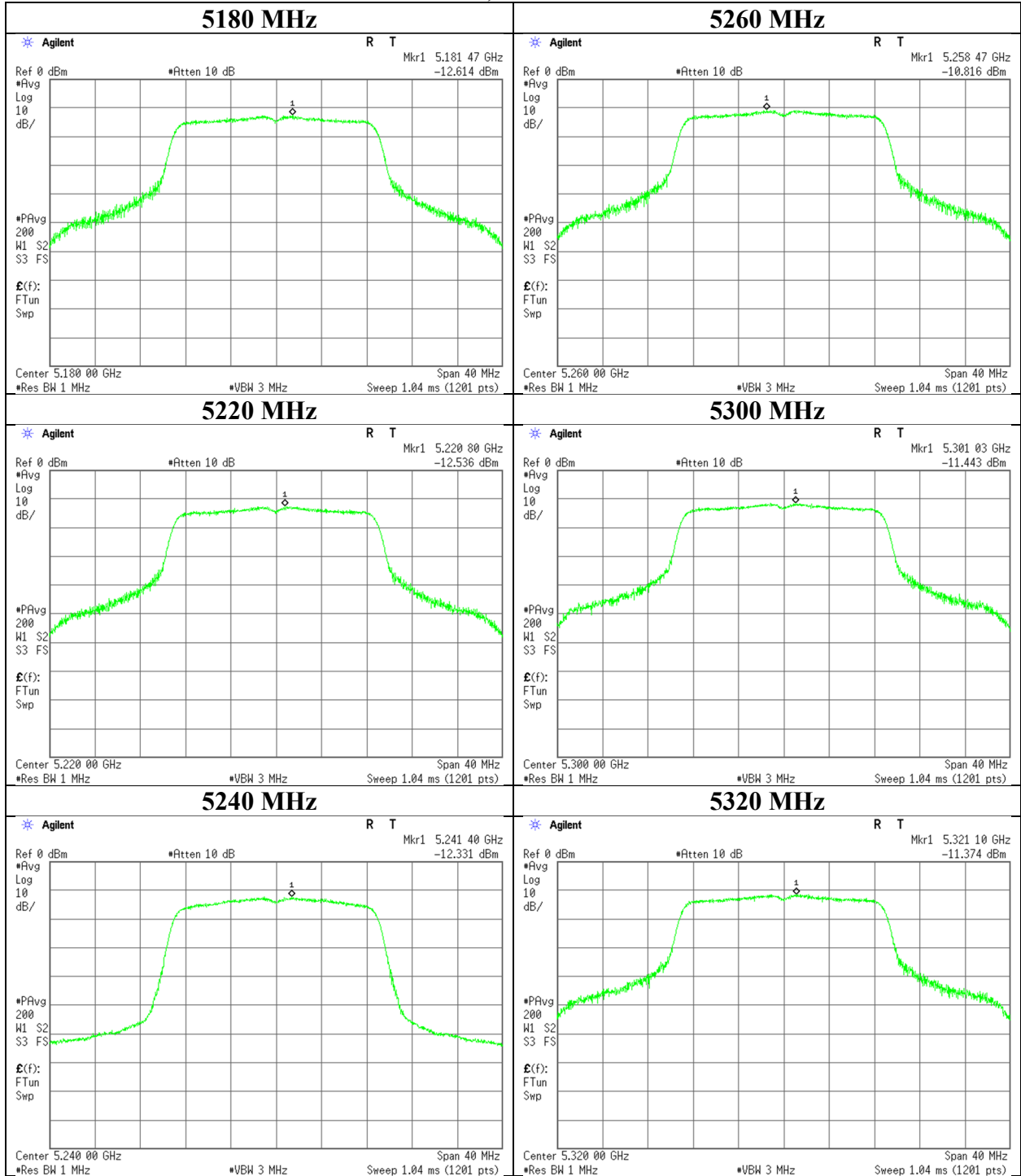


#### 5825 MHz



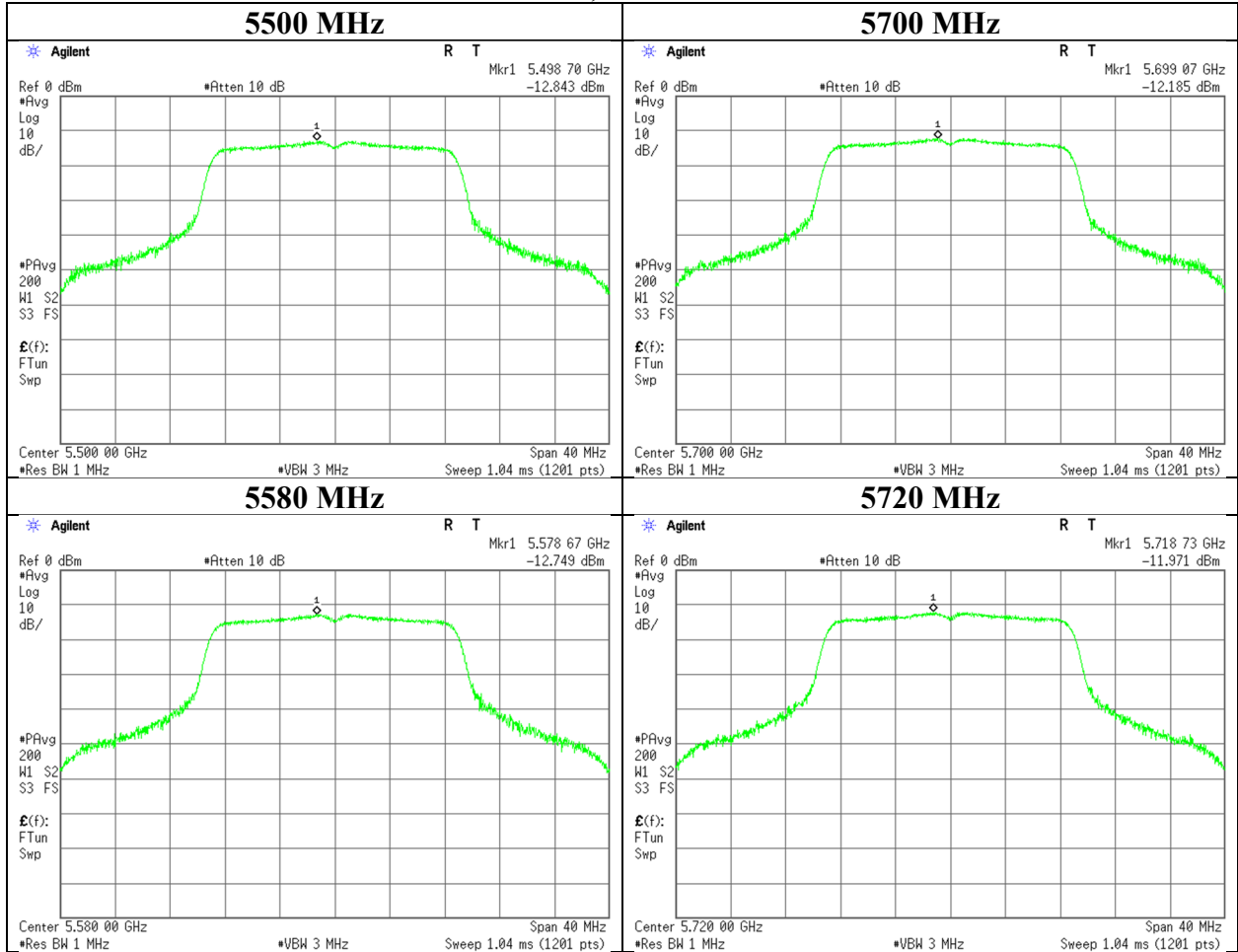
### Maximum Power Spectral Density

#### 11n-20, Antenna 3



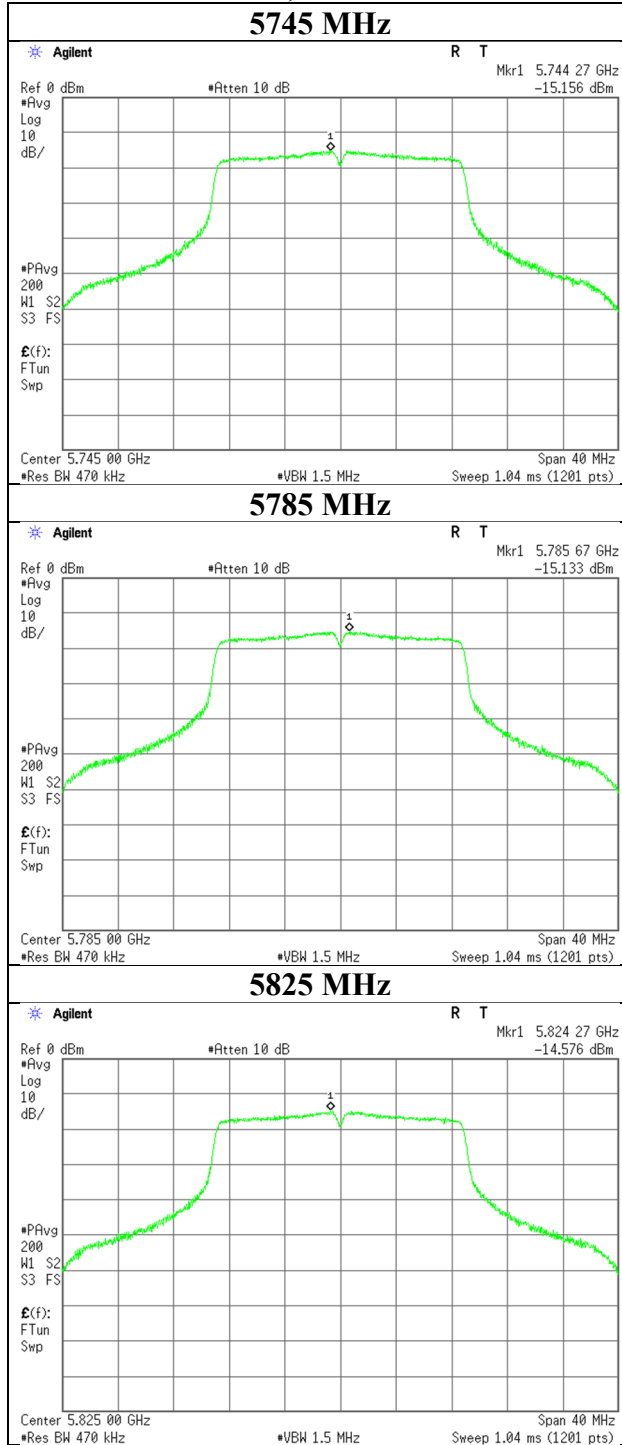
### Maximum Power Spectral Density

#### 11n-20, Antenna 3



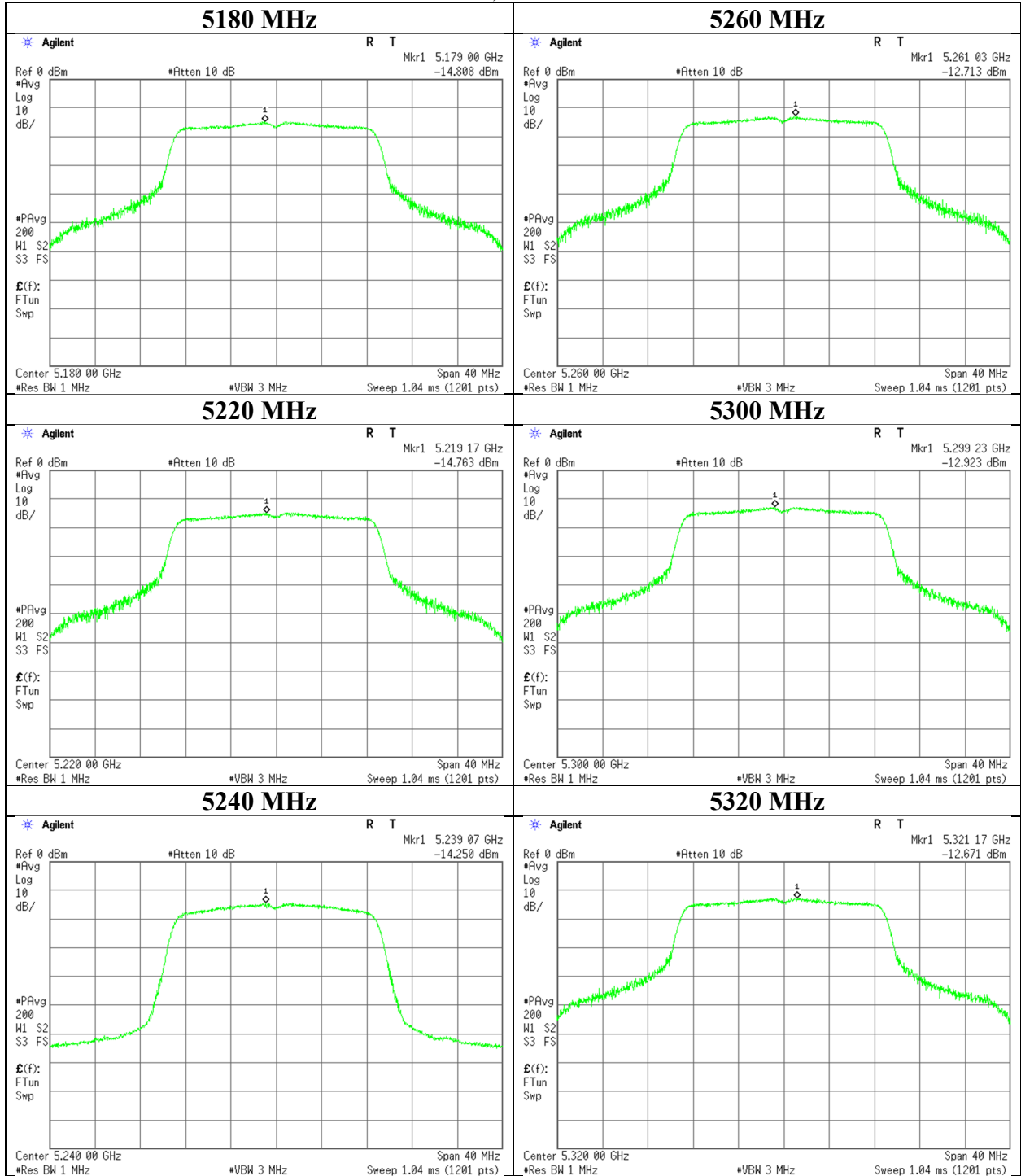
### Maximum Power Spectral Density

#### 11n-20, Antenna 3



### Maximum Power Spectral Density

#### 11ac-20, Antenna 1



### Maximum Power Spectral Density

#### 11ac-20, Antenna 1

