CERTIFICATION TEST REPORT

Report Number. : 4790541052-E7V4

Applicant : SAMSUNG ELECTRONICS CO., LTD.
129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI,
GYEONGGI-DO, 16677, KOREA

Model : SM-S918B/DS, SM-S918B

FCC ID : A3LSMS918B

EUT Description : GSM/WCDMA/LTE/5G NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax,
NFC, WPT and UWB

Test Standard(s) : FCC 47 CFR PART 15 SUBPART E
6 GHz LOW POWER DUAL CLIENT (6CD)

Date Of Issue:
2022-11-22

Prepared by:
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Testing Laboratory

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	2022-10-28	Initial issue	SunGeun Lee
V2	2022-11-09	Updated to address TCB's question	SunGeun Lee
V3	2022-11-10	Updated to address TCB's question	SunGeun Lee
V4	2022-11-22	Updated to address PAG comment	SunGeun Lee

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: SAMSUNG ELECTRONICS CO., LTD.

EUT DESCRIPTION: GSM/WCDMA/LTE/5G NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax, NFC WPT and UWB

MODEL NUMBER: SM-S918B/DS, SM-S918B

SERIAL NUMBER: R3CT7081YTB, R3CT7081YEP (CONDUCTED); R3CT70824RB, 5353345856533190, R3CT90WSFXJ (RADIATED);

DATE TESTED: 2022-09-06 ~ 2022-11-22;

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
CFR 47 Part 15 Subpart E	Complies

UL Korea, Ltd. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL Korea, Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Korea, Ltd. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Korea, Ltd. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by IAS, any agency of the Federal Government, or any agency of any government.

Approved & Released For
UL Korea, Ltd. By:

Tested By:

Seokhwan Hong
Suwon Lab Engineer
UL Korea, Ltd.

Sungeun Lee
Suwon Lab Engineer
UL Korea, Ltd.

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with following methods.

1. FCC CFR 47 Part 2.
2. FCC CFR 47 Part 15.
3. KDB 789033 D02 General UNII Test Procedures New Rules v02r01
4. KDB 987594 D02 U-NII 6 GHz EMC Measurement v01v01
5. KDB 662911 D01 v02r01
6. ANSI C63.10-2013.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea. Line conducted emissions are measured only at the 218 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

218 Maeyeong-ro
☒ Chamber 1(3m semi-anechoic chamber)
☒ Chamber 2(3m semi-anechoic chamber)
☒ Chamber 3(3m semi-anechoic chamber)
☐ Chamber 4(3m Full-anechoic chamber)
☐ Chamber 5(3m Full-anechoic chamber)

UL Korea, Ltd. is accredited by IAS, Laboratory Code TL-637. The full scope of accreditation can be viewed at https://www.iasonline.org/wp-content/uploads/2017/05/TL-637-cert-New.pdf.

4. CALIBRATION AND UNCERTAINTY

4.1.   MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2.   SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)

36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

Corrected Reading (dBuV) = Meter Reading (dBuV) + External Cable (dB) + Cableloss (dB)

46.62 dBuV + 9.8 dB + 0.1 dB = 56.52 dBuV

4.3.   MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
Conducted Disturbance, 0.15 to 30 MHz	3.02 dB
Radiated Disturbance, 30 MHz to 1 GHz	4.05 dB
Radiated Disturbance, 1 GHz to 18 GHz	5.78 dB
Radiated Disturbance, 18 GHz to 40 GHz	5.58 dB

Uncertainty figures are valid to a confidence level of 95%.

4.4.   DECISION RULE

Decision rule for statement(s) of conformity is based on Procedure 2, Clause 4.4.3 in IEC Guide 115:2007.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a GSM/WCDMA/LTE/5G NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax, NFC, WPT and UWB.
This test report addresses the 6CD operational mode.

WiFi operating mode

Frequency rage	Mode	ANT1	ANT2
6GHz (5955 MHz ~ 7115 MHz)	802.11a SISO	TX/RX	TX/RX
	802.11a MIMO	TX/RX	TX/RX
	802.11ax SISO	TX/RX	TX/RX
	802.11ax MIMO	TX/RX	TX/RX

Simultaneous TX Condition

Please refer to the report '4790541052-E6 FCC Report UNII(a,n,ac,ax) WLAN'
6E Tx power is lower than 5GHz. Therefore, 5GHz set for final test.

802.11ax RU allocations
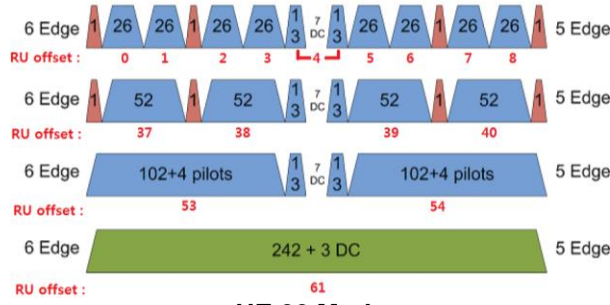
- HE 20 Mode -
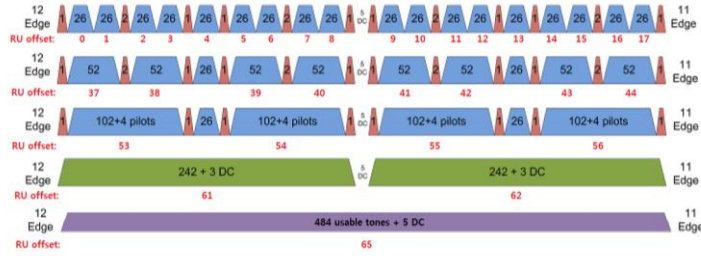
- HE 40 Mode -
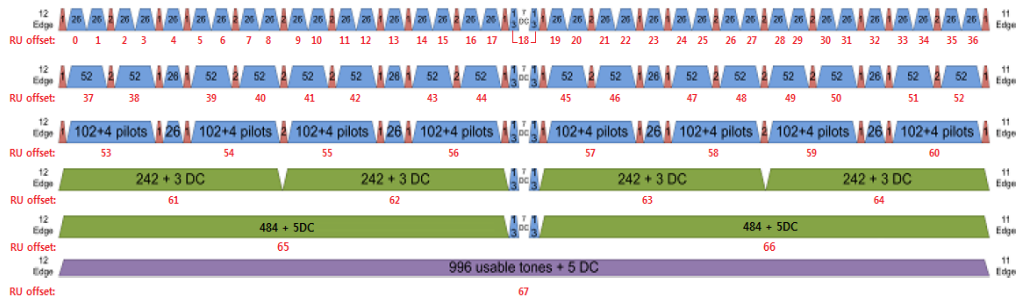
- HE 80 Mode -
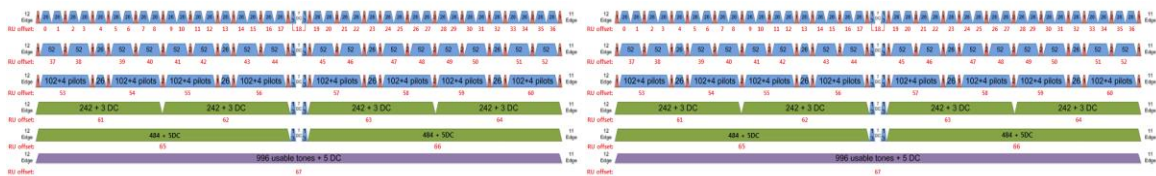
- HE 160 Mode -

Test RU offset for tones in each modes

Mode	Tones	RU offset
HE20	26T	0
		4
		8
	52T	37
		38
		40
	106T	53
		54
	242T / SU Note 1	61 / -
HE40	26T	0
		9
		17
	52T	37
		41
		44
	106T	53
		54
		56
	242T	61
		62
	484T / SU Note 1	63 / -
HE80 / HE160 Note2	26T	0
		18
		36
	52T	37
		45
		52
	106T	53
		57
		60
	242T	61
		62
		64
	484T	65
		66
	996T / SU Note1	67 / -

Note 1: Full RU(Resource Unit) 242T mode and SU(Single Unit) mode have no difference in physical waveform. This report has been reported the SU mode with highest output power in MIMO.
Note 2: HE160 = HE80(Lower) + HE80(Upper)

MAXIMUM OUTPUT POWER

The transmitter has a maximum total conducted average output power as follows:

Band	Frequency Range [MHz]	Mode	Output Power [dBm]	Output Power [mW]	Eirp [dBm]	Eirp [mW]
UNII-5 [note1]	5955 – 6415	802.11a MIMO [note2]	14.60	28.84	12.07	16.11
		802.11ax(HE20) MIMO [note3]	14.27	26.73	8.74	7.48
		802.11ax(HE40) MIMO [note3]	14.89	30.83	9.36	8.63
		802.11ax(HE80) MIMO [note3]	13.84	24.21	8.31	6.78
		802.11ax(HE160) MIMO [note3]	13.82	24.10	8.29	6.75
UNII-6	6435 – 6515	802.11a MIMO [note2]	11.62	14.52	7.31	5.38
		802.11ax(HE20) MIMO [note3]	11.17	13.09	4.04	2.54
		802.11ax(HE40) MIMO [note3]	11.17	13.09	4.04	2.54
		802.11ax(HE80) MIMO [note3]	11.51	14.16	4.38	2.74
		802.11ax(HE160) MIMO [note3]	11.27	13.40	4.14	2.59
UNII-7 [note1]	6535 – 6875	802.11a MIMO [note2]	14.41	27.61	9.44	8.79
		802.11ax(HE20) MIMO [note3]	14.07	25.53	6.25	4.22
		802.11ax(HE40) MIMO [note3]	14.60	28.84	6.78	4.76
		802.11ax(HE80) MIMO [note3]	13.88	24.43	6.06	4.04
		802.11ax(HE160) MIMO [note3]	13.37	21.73	5.55	3.59
UNII-8	6895 - 7115	802.11a MIMO [note2]	11.37	13.71	7.20	5.25
		802.11ax(HE20) MIMO [note3]	11.22	13.24	4.04	2.54
		802.11ax(HE40) MIMO [note3]	11.07	12.79	3.89	2.45
		802.11ax(HE80) MIMO [note3]	11.22	13.24	4.04	2.54
		802.11ax(HE160) MIMO [note3]	11.50	14.13	4.32	2.70

Note1: Standard Power supported.
Note2: Correlated Chains
Note3: Uncorrelated Chains

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5.2. DESCRIPTION OF AVAILABLE ANTENNAS

An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

The internal antenna was Permanently attached.
Therefore this E.U.T Complies with the requirement of §15.203.

The radio utilizes a internal antenna, with a maximum gain of:

Frequency Band [MHz]	ANT1 Gain [dBi]	ANT2 Gain [dBi]	Correlated Chains Directional Gain [dBi]	Uncorrelated Chains Directional Gain [dBi]	Minimum Gain for CBP [dBi]
UNII 5 5925 – 6425	-5.93	-5.17	-2.53	-5.53	-14.90
UNII 6 6425 – 6525	-9.41	-5.64	-4.31	-7.13	-15.34
UNII 7 6525 – 6875	-9.88	-6.43	-4.97	-7.82	-16.23
UNII 8 6875 - 7125	-7.39	-6.98	-4.17	-7.18	-14.26

"Wi-Fi 1" and "Wi-Fi 2" as indicated in antenna specification are written as ANT 1 and ANT 2 in this report.
Directional gain for the MIMO operations is determined using KDB 662911 D01 Multiple Transmitter Output section F (2)(d)(1) for *Unequal antenna gains, with equal transmit powers*. The gain is calculated using the formula for correlated transmissions across the two transmit antennas.

Correlated Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}]$ dBi.
Uncorrelated Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10}) / N_{ANT}]$ dBi.
Sample calculation for this device with $N_{ANT} = 2$
Correlated Directional gain = $10 \log[(10^{-5.93/20} + 10^{-5.17/20})^2 / 2]$ = -2.53 dBi
Uncorrelated Directional gain = $10 \log[(10^{-5.93/10} + 10^{-5.17/10}) / 2]$ = -5.53 dBi

5.3.   WORST-CASE CONFIGURATION AND MODE

Radiated emission below 1GHz and power line conducted emission were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.

Radiated emission above 1GHz was performed with the EUT set to transmit low/mid/high channels.

- Worst case condition

ANT1	ANT2	ANT ALL
Axis	Axis	Axis
Z	Z	Z

Based on the baseline scan, the worst-case data rates were:

802.11a mode: 6 Mbps 2Tx	802.11ax HE20 mode: MCS0 2Tx
	802.11ax HE40 mode: MCS0 2Tx
	802.11ax HE80 mode: MCS0 2Tx

Radiation test for 802.11a & ax HE20 & HE40 & HE80 were evaluated at MIMO mode.

Note : All radiated and power line conducted tests were performed connected with charger for evaluation of worst case mode.

Worst-case selection criteria for 802.11ax test items :

  - For the 26dB Bandwidth, it was tested at the SU Mode for each bandwidth. (Worst case)

Note : All radiated and power line conducted tests were performed connected with charger for evaluation of worst case mode.

Test case configuration for 802.11a, 802.11ax HE20 & 40 & 80 (SU) modes :

Mode	Band	Dual Client Power		Indoor Client Power	
		802.11a	802.11ax (SU)	802.11a	802.11ax (SU)
6GHz (20 MHz)	UNII-5	14	14	11	11
	UNII-6	-	-	11	11
	UNII-7	14	14	11	11
	UNII-8	-	-	11 CH 233: 7	11 CH 233: 7
6GHz (40 MHz)	UNII-5	-	14		11
	UNII-6	-	-		11
	UNII-7	-	14		11
	UNII-8	-	-		11
6GHz (80 MHz)	UNII-5	-	13		11
	UNII-6	-	-		11
	UNII-7	-	13		11
	UNII-8	-	-		11
6GHz (160 MHz)	UNII-5	-	13		11
	UNII-6	-	-		11
	UNII-7	-	13		11
	UNII-8	-	-		11

Band-Edge & Spurious Emission
Spurious Emission
Spot Check

Note. SISO mode is not supported.

Test case configuration for 802.11ax HE20 & 40 & 80 & 160 (RU) modes :

Band	Mode	Freq.	Tone	RU offset	Test Case MIMO
UNII-5	HE20	5955	26 T	0	
				4	
				8	
		6175		0	-
				4	O
				8	-
		6415		0	
				4	
				8	
	HE40	6165	26T	0	-
				9	-
				17	O
	HE80	6415	26T	0	-
				18	-
				36	O
	HE160	6185	26T	0 L	O
				0 U	-
				36 U	-
UNII-6	HE20	6435	26 T	0	-
				4	-
				8	O
		6475		0	
				4	
				8	O
		6515		0	
				4	
				8	
UNII-7	HE20	6535	26 T	0	
				4	
				8	
		6695		0	-
				4	O
				8	-
		6875		0	
				4	
				8	
UNII-8	HE20	6895	26 T	0	
				4	
				8	
		6995		0	
				4	
				8	
		7115		0	-
				4	-
				8	O

Note1. Radiated spurious test was performed on 26T with worst power density.
Note2. Spot-check test was performed in HE40, HE80, HE160 modes. Because lower than power density of HE20.

5.4.   DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
Charger	SAMSUNG	EP-TA800	R37R38J4A28SE3	N/A
Data Cable	SAMSUNG	EP-DN980	GH39-02111ABBE	N/A

I/O CABLE

I/O Cable List						
Cable No.	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC Power	1	C Type	Shielded	1.0 m	N/A

TEST SETUP

The EUT is a stand-alone unit during the tests.
Test software exercised the EUT to enable NII mode.

SETUP DIAGRAM FOR TESTS (CONDUCTED TEST SETUP)
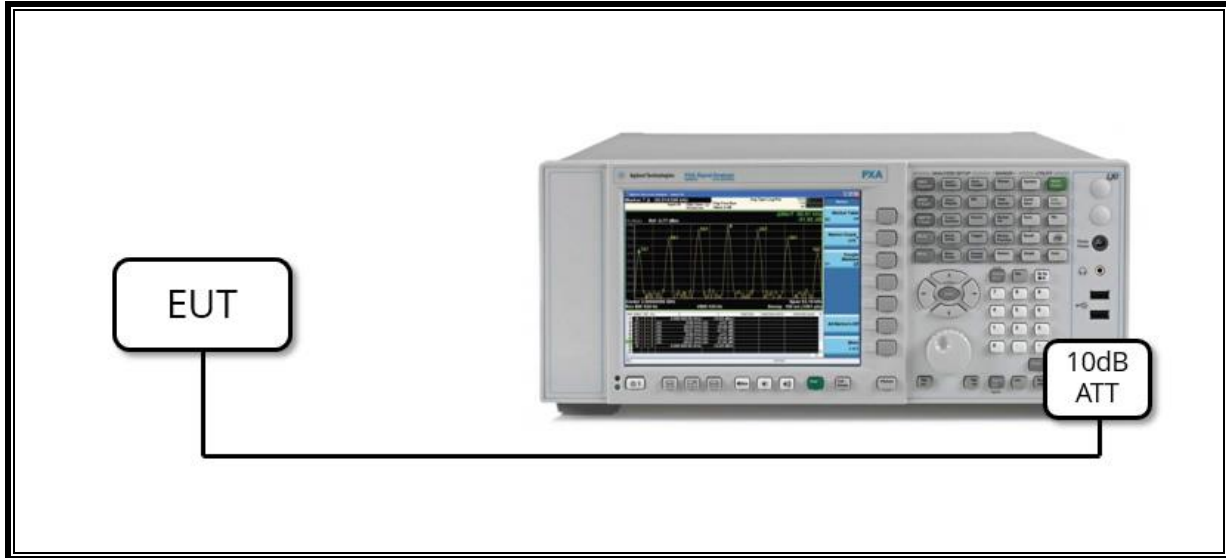
SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP)
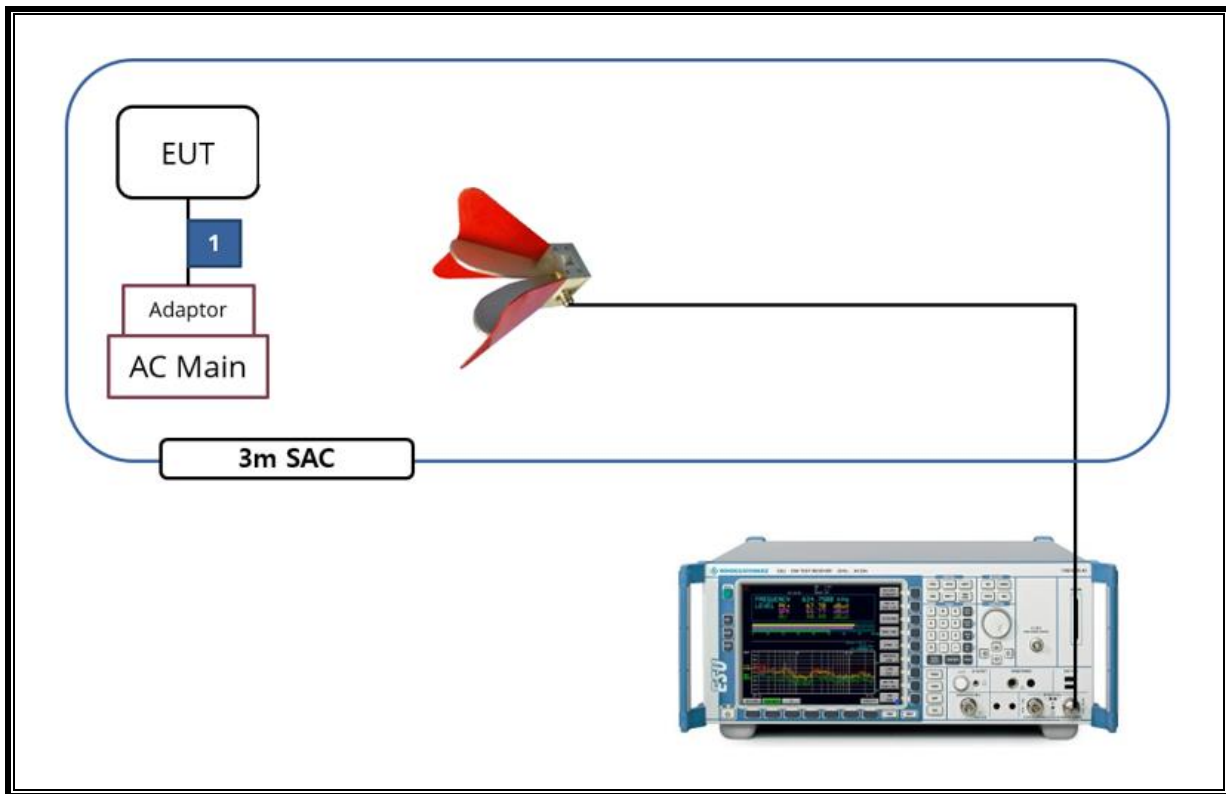
6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Test Equipment List				
Description	**Manufacturer**	**Model**	**S/N**	**Cal Due**
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	750	2024-08-15
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	749	2024-08-15
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	845	2024-08-15
Antenna, Horn, 18 GHz	ETS	3115	00167211	2024-08-04
Antenna, Horn, 18 GHz	ETS	3115	00161451	2024-08-21
Antenna, Horn, 18 GHz	ETS	3117	00168724	2024-08-04
Antenna, Horn, 18 GHz	ETS	3117	00168717	2024-08-21
Antenna, Horn, 18 GHz	ETS	3117	00218957	2023-01-15
Antenna, Horn, 40 GHz	ETS	3116C	00166155	2024-08-02
Antenna, Horn, 40 GHz	ETS	3116C	00168645	2023-10-13
Preamplifier	ETS	3116C-PA	00168841	2023-08-04
Preamplifier, 1000 MHz	Sonoma	310N	341282	2023-08-02
Preamplifier, 1000 MHz	Sonoma	310N	351741	2023-08-02
Preamplifier, 1000 MHz	Sonoma	310N	370599	2023-08-02
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	1876511	2023-08-02
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	1896138	2023-08-01
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	2029169	2023-08-01
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54170614	2023-08-03
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54490312	2023-08-01
Spectrum Analyzer, 44 GHz	KEYSIGHT	N9030B	MY60070693	2023-01-18
Spectrum Analyzer, 44 GHz	KEYSIGHT	N9040B	MY60080268	2023-01-19
Average Power Sensor	Agilent / HP	U2000	MY54270007	2023-08-03
Average Power Sensor	Agilent / HP	U2000	MY54260010	2023-08-03
Attenuator	PASTERNACK	PE7087-10	A001	2023-08-03
Attenuator	PASTERNACK	PE7087-10	A008	2023-08-03
Attenuator	PASTERNACK	PE7004-10	2	2023-08-01
Attenuator	PASTERNACK	PE7087-10	A009	2023-08-03
EMI Test Receive, 40 GHz	R&S	ESU40	100439	2023-08-02
EMI Test Receive, 40 GHz	R&S	ESU40	100457	2023-07-29
EMI Test Receive, 3 GHz	R&S	ESR3	101832	2023-08-01
Notch Filter	Micro-Tronics	BRM50702-02	G037	2023-08-01
Notch Filter	Micro-Tronics	BRM50716-2	006	2023-08-01
Low Pass Filter 5GHz	Micro-Tronics	LPS17541	009	2023-08-02
Low Pass Filter 5GHz	Micro-Tronics	LPS17541	015	2023-08-01
Low Pass Filter 5GHz	Micro-Tronics	LPS17541	020	2023-08-01
High Pass Filter 3GHz	Micro-Tronics	HPM17543	010	2023-08-02
High Pass Filter 3GHz	Micro-Tronics	HPM17543	015	2023-08-02
High Pass Filter 3GHz	Micro-Tronics	HPM17543	020	2023-08-01
High Pass Filter 7.2 GHz	Micro-Tronics	HPM50107	G061	2023-01-07
High Pass Filter 7.2 GHz	Micro-Tronics	HPM50107	G062	2023-01-07
High Pass Filter 7.2 GHz	Micro-Tronics	HPM50107	G063	2023-01-07
LISN	R&S	ENV-216	101837	2023-08-04
Antenna, Loop, 9kHz-30MHz	R&S	HFH2-Z2	100418	2023-10-06
Termination	WEINSCHEL	M1406A	T09	2023-08-03
Attenuator	WEINSCHEL	WA76-30-21	A015	2023-08-03
Vector SG	R&S	SMW200A	110251	2023-08-04
UL Software				
Description	**Manufacturer**	**Model**	**Version**	
Radiated software	UL	UL EMC	Ver 9.5	
AC Line Conducted software	UL	UL EMC	Ver 9.5	

7. SUMMARY TABLE

FCC Part Section	Test Description	Test Limit	Test Condition	Test Result
15.407(a)(10)	26dB Bandwidth	The maximum transmitter channel bandwidth for U-NII device in the 5.925 – 7.125 GHz band is 320 MHz	Condcuted	PASS
2.1046 15.407(a)(1)	TX Cond. Power	N/A		PASS
15.407(a)(8)	Maximum Power Spectral Density	< 17dBm/Mhz e.i.r.p for 6CD < -1dBm/MHz e.i.r.p for 6XD		PASS
15.407(a)(8)	Maximum Radiated Output Power	< 30 dBm over the frequency band of operation for 6CD < 24 dBm over the frequency band of operation for 6XD		PASS
15.407(b)(7)	In-band Emissions	EUT must meet the limits detailed in 15.407(b)(7)		PASS
15.407(d)(6)	Contention Based Protocol	EUT must detect AWGN signal with 90% (or better) certainty		PASS
15.407(b)(9)	AC Power Line conducted emissions	< FCC 15.207 lmits		PASS
15.407(b)(6)	Undesirable Emissions	< -27 dBm/MHz e.i.r.p outside of the 5.925 – 7.125 GHz Band	Radiated	PASS
15.205 15.209	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Emissions in restricted bands must meet the radiated limits detailed in 15.209		PASS

8. MEASUREMENT METHODS

On-Time and Duty Cycle : KDB 789033 D02 v02r01, Section II.B.

26dB Emission BW : KDB 789033 D02 v02r01, Section II.C / KDB 987594 D02

99% Occupied BW : KDB 789033 D02 v02r01, Section II.D / KDB 987594 D02

Conducted Output Power : KDB 789033 D02 v02r01, Section II.E.3.b(Method PM-G) /
                         KDB 987594 D02

Power Spectral Density : KDB 789033 D02 v02r01, Section II.F / KDB 987594 D02

In-Band Emissions : KDB 987594 D02

Unwanted emissions in restricted bands : KDB 789033 D02 v02r01, Section II.G.3 – II.G.6.

Unwanted emissions in non-restricted bands : KDB 789033 D02 v02r01, Section II.G.3 – II.G.6.

AC Power Line Conducted Emission : ANSI C63.10-2013, Section 6.2.

9. REFERENCE MEASUREMENTS RESULTS
9.1.   ON TIME AND DUTY CYCLE RESULTS

Mode	On Time [ms]	Period [ms]	Duty Cycle X [Linear]	Duty Cycle X [%]	Duty Cycle Correction Factor[dB]
802.11a MIMO	2.825	2.926	0.965	96.548	0.15

Mode	ANT.	Tone	On Time [ms]	Period [ms]	Duty Cycle X [Linear]	Duty Cycle X [%]	Duty Cycle Correction Factor[dB]
802.11ax HE20	MIMO	26T	2.596	2.615	0.99	99.27	0.00
		52T	2.592	2.610	0.99	99.31	0.00
		106T	1.436	1.454	0.99	98.76	0.00
		SU	5.451	5.469	1.00	99.67	0.00
802.11ax HE40	MIMO	26T	2.595	2.613	0.99	99.31	0.00
		52T	2.591	2.610	0.99	99.27	0.00
		106T	1.435	1.454	0.99	98.69	0.00
		242T	0.676	0.693	0.97	97.49	0.11
		SU	5.451	5.469	1.00	99.67	0.00
802.11ax HE80	MIMO	26T	2.595	2.613	0.99	99.31	0.00
		52T	2.592	2.610	0.99	99.31	0.00
		106T	1.436	1.454	0.99	98.76	0.00
		242T	0.676	0.694	0.97	97.42	0.11
		484T	0.388	0.406	0.96	95.54	0.20
		SU	5.452	5.471	1.00	99.65	0.00
802.11ax HE160	MIMO	26T	2.596	2.614	0.99	99.31	0.00
		52T	2.592	2.611	0.99	99.27	0.00
		106T	1.436	1.454	0.99	98.76	0.00
		242T	0.676	0.694	0.97	97.39	0.11
		484T	0.388	0.406	0.96	95.54	0.20
		996T	0.388	0.406	0.96	95.54	0.20
		SU	5.451	5.470	1.00	99.65	0.00

Note. If the duty cycle is over 98%, compensation is not included in average measurement.

LIMITS

None; for reporting purposes only.

PROCEDURE

KDB 789033 D02 v02r01 Zero-Span Spectrum Analyzer Method.

9.2. DUTY CYCLE PLOTS
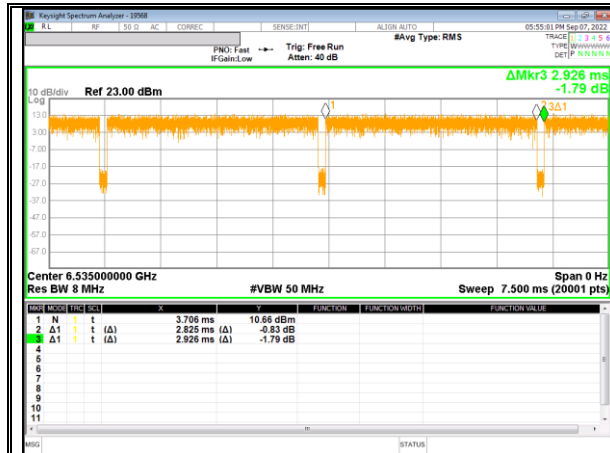
802.11a MIMO
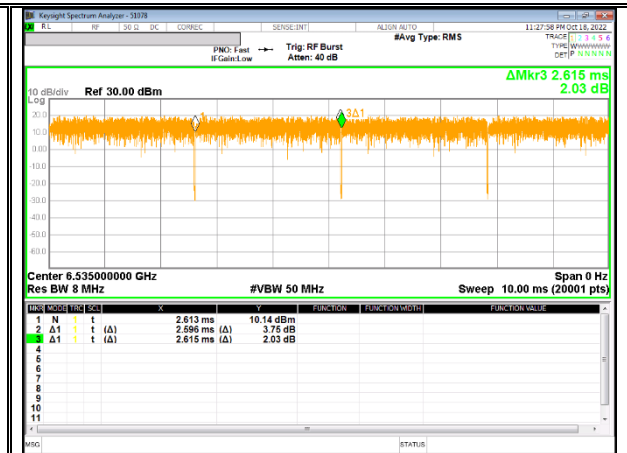
802.11ax HE20 26T MIMO
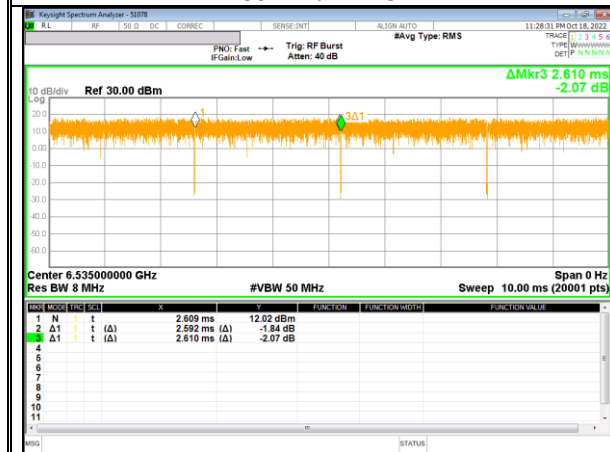
802.11ax HE20 52T MIMO
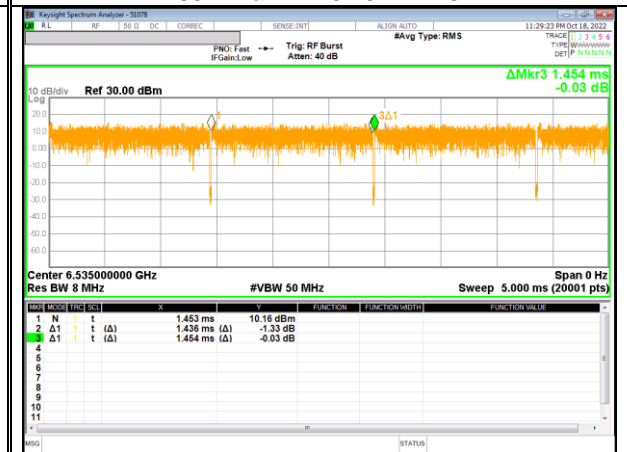
802.11ax HE20 106T MIMO
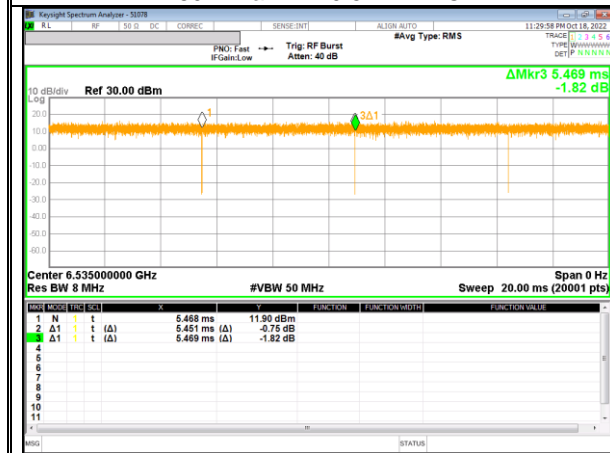
802.11ax HE20 SU MIMO
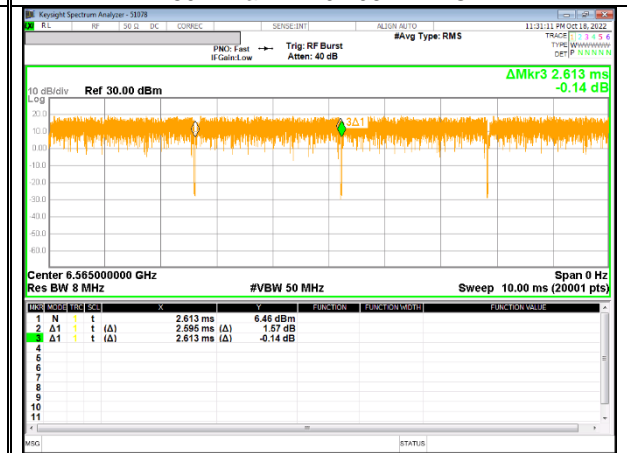
802.11ax HE40 26T MIMO
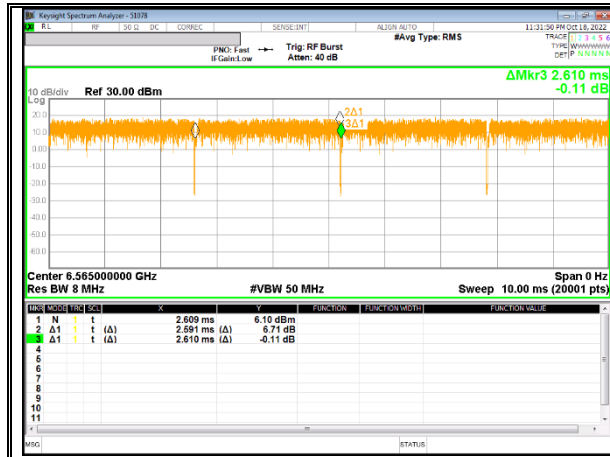
802.11ax HE40 52T MIMO
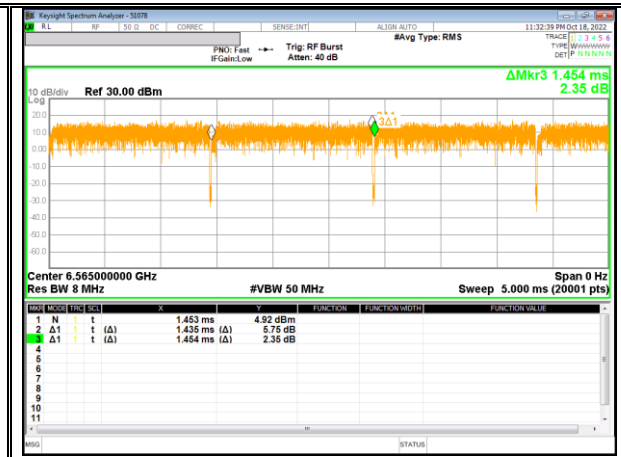
802.11ax HE40 106T MIMO
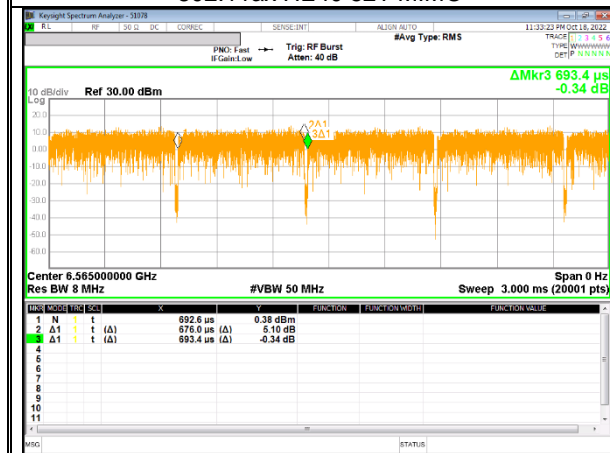
802.11ax HE40 242T MIMO
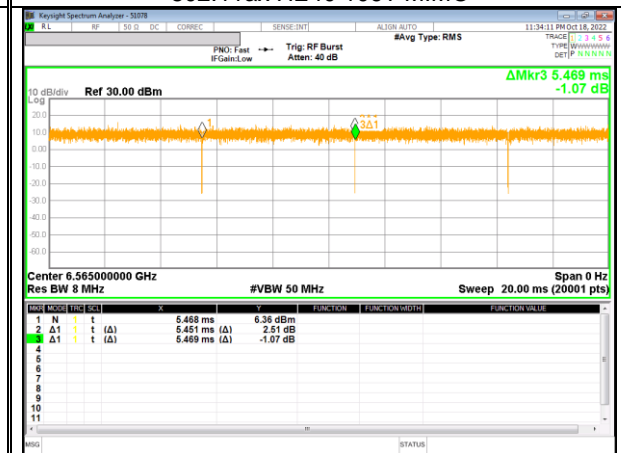
802.11ax HE40 SU MIMO
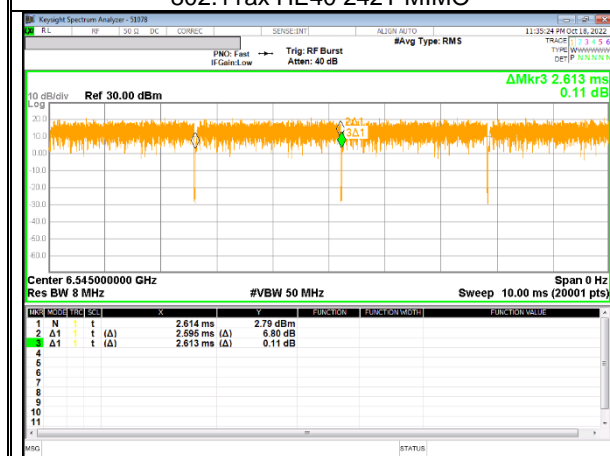
802.11ax HE80 26T MIMO
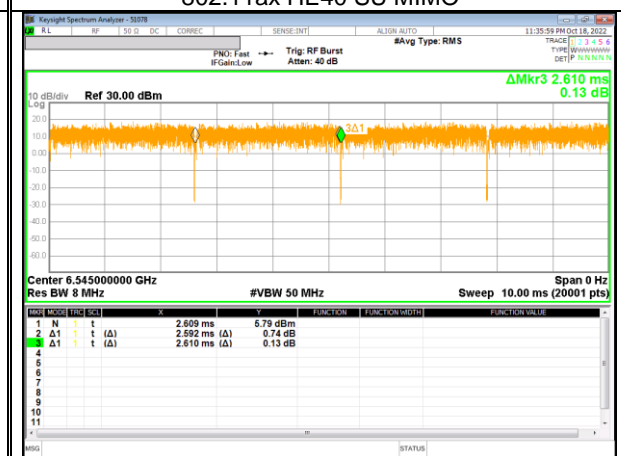
802.11ax HE80 52T MIMO
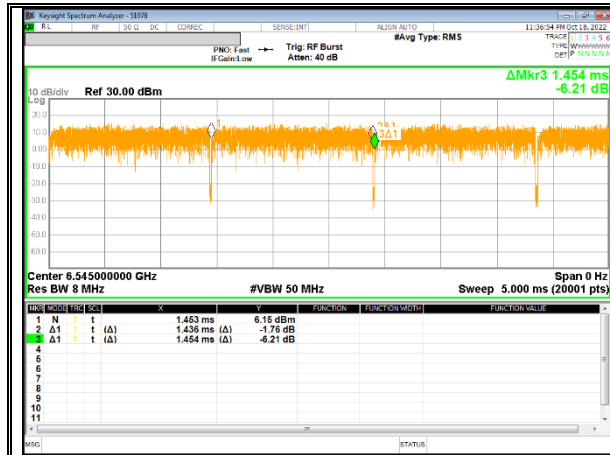
802.11ax HE80 106T MIMO

802.11ax HE80 242T MIMO

802.11ax HE80 484T MIMO
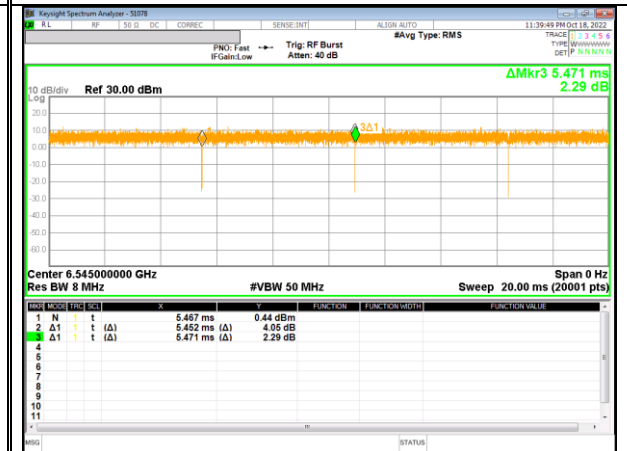
802.11ax HE80 SU MIMO
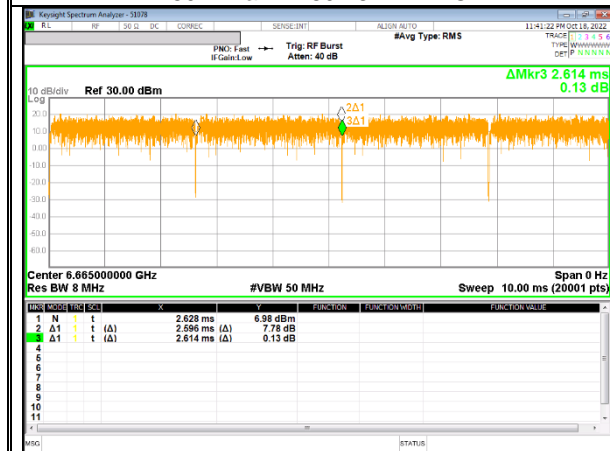
802.11ax HE160 26T MIMO
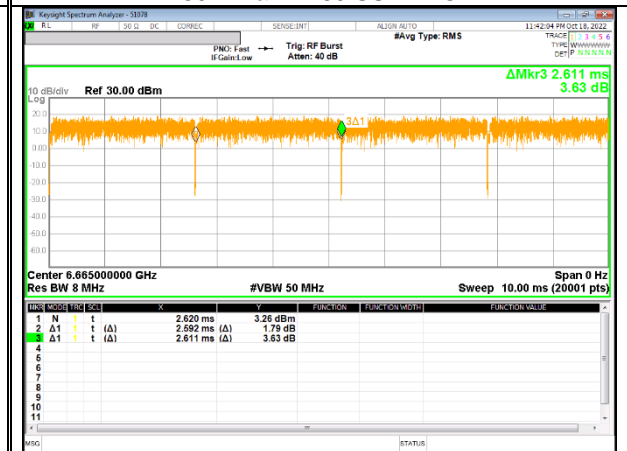
802.11ax HE160 52T MIMO
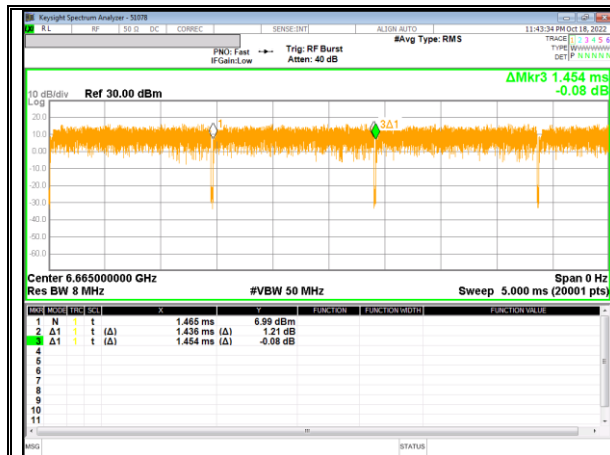
802.11ax HE160 106T MIMO

802.11ax HE160 242T MIMO
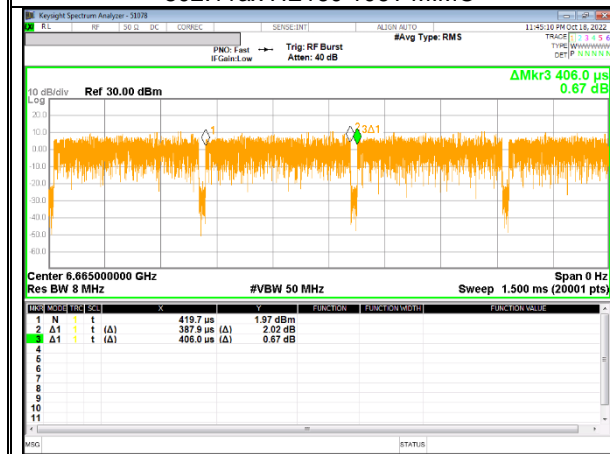
802.11ax HE160 484T MIMO

802.11ax HE160 996T MIMO
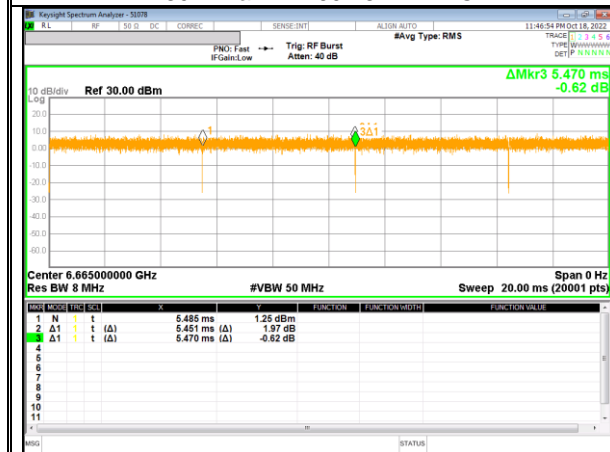
802.11ax HE160 SU MIMO

9.3.   26 dB BANDWIDTH

LIMITS

FCC §15.407 (a) (10)
The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.

TEST PROCEDURE

Reference to 789033 D02 General UNII Test Procedures New Rules v02r01: The transmitter output is connected to a spectrum analyzer with the RBW set to approximately 1% of EBW, the VBW > RBW, peak detector and max hold.

RESULTS

- Please refer to the next page

Note. As a result of 99% bandwidth test, the bandwidth not interfere each band.

WORST CASE TEST PLOTS

- Please refer to the next page

802.11a / ANT2 / 6995 MHz / Indoor Client

802.11ax HE20 SU / ANT2 / 6415 MHz / Indoor Client

802.11ax HE40 SU / ANT2 / 6445 MHz / Indoor Client

802.11ax HE80 SU / ANT2 / 6385 MHz / Dual Client

802.11ax HE160 SU / ANT1 / 6185 MHz / Indoor Client
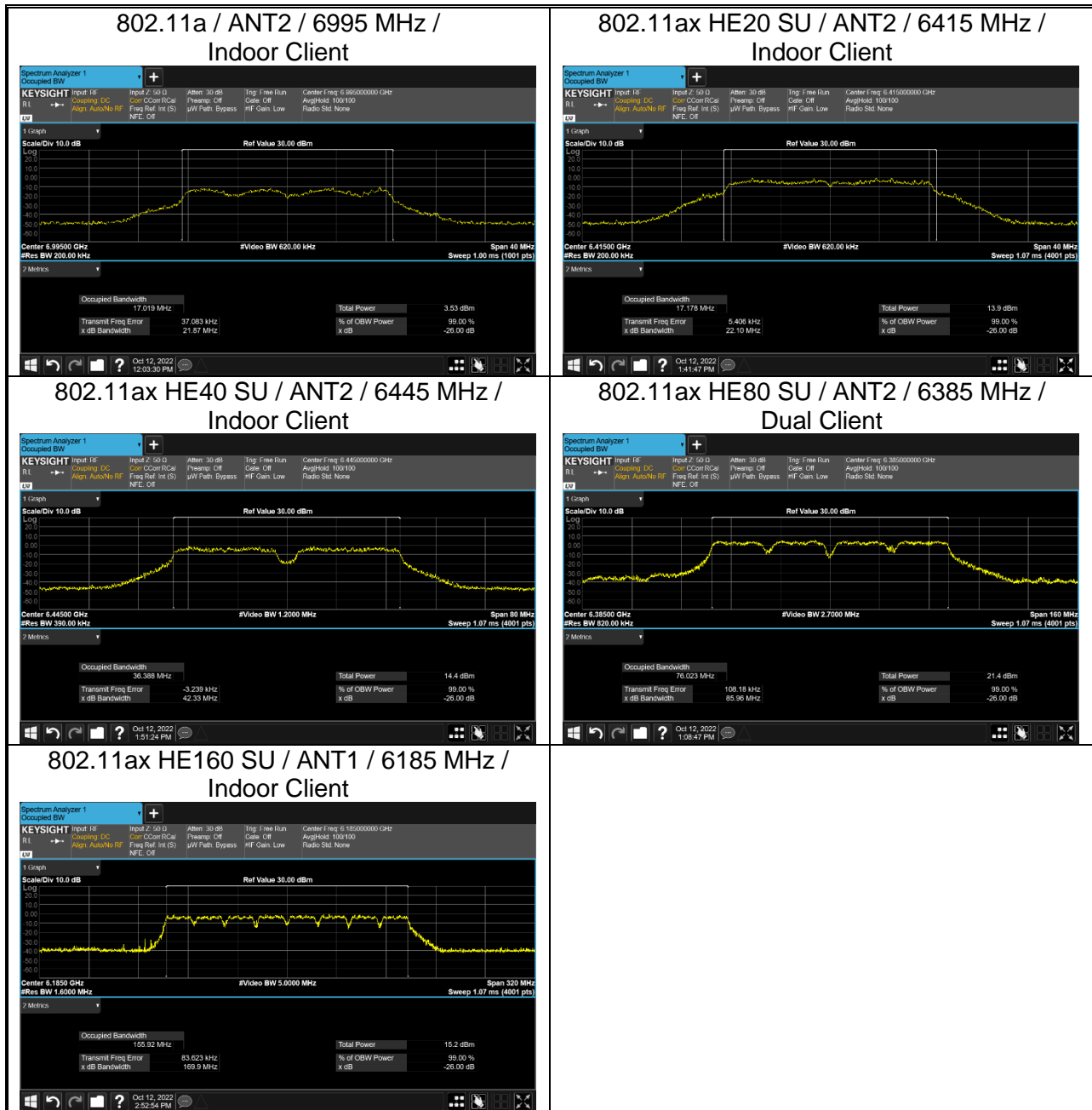
9.3.1. 802.11a

Band	Ch.	Center Freq. [MHz]	26 dB BW [MHz]				Worst	99% BW [MHz]			
			Dual Client		Indoor Client			Dual Client		Indoor Client	
			ANT1	ANT2	ANT1	ANT2		ANT1	ANT2	ANT1	ANT2
UNII-5	1	5955	22.17	22.70	22.36	22.59	22.04	16.967	17.037	17.010	17.061
	45	6175	22.04	22.26	22.62	22.27		16.946	17.105	17.019	17.107
	93	6415	22.37	22.14	22.49	22.09		16.901	17.054	17.026	17.137
UNII-6	97	6435			22.65	22.65	22.17			16.988	17.150
	105	6475			22.53	22.23				17.142	17.084
	113	6515			22.89	22.17				17.115	17.091
UNII-7	117	6535	22.33	22.09	22.68	22.35	22.09	17.021	16.939	17.036	17.133
	149	6695	22.89	22.43	22.83	22.88		17.160	17.106	17.096	17.062
	181	6855	23.12	22.55				17.460	17.228		
	185	6875			22.45	22.59				17.037	17.059
UNII-8	189	6895			22.16	22.58	**21.87**			17.264	17.117
	209	6995			22.50	**21.87**				16.997	17.019
	233	7115			22.99	22.36				17.073	16.963

9.3.2. 802.11ax HE20

Band	Ch.	Center Freq. [MHz]	26 dB BW [MHz]				Worst	99% BW [MHz]			
			Dual Client		Indoor Client			Dual Client		Indoor Client	
			ANT1	ANT2	ANT1	ANT2		ANT1	ANT2	ANT1	ANT2
UNII-5	1	5955	23.18	23.30	22.67	22.52	**22.10**	16.977	17.176	16.969	17.033
	45	6175	22.51	22.41	22.47	22.31		17.023	17.232	16.898	17.010
	93	6415	22.35	22.23	22.49	**22.10**		16.956	17.152	17.003	17.178
UNII-6	97	6435			22.55	22.33	22.14			16.924	17.234
	105	6475			22.25	22.14				17.027	17.010
	113	6515			22.39	22.24				17.034	16.924
UNII-7	117	6535	22.37	22.36	22.32	22.44	22.26	17.112	17.075	16.979	17.035
	149	6695	23.10	22.60	22.32	22.94		17.095	16.994	17.118	17.045
	181	6855	22.67	23.30				17.179	17.176		
	185	6875			22.69	22.37				17.122	17.171
UNII-8	189	6895			22.23	22.39	22.23			17.200	17.030
	209	6995			22.64	22.49				17.129	16.966
	233	7115			22.48	22.60				17.160	16.982

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9.3.3. 802.11ax HE40

Band	Ch.	Center Freq. [MHz]	26 dB BW [MHz]				Worst	99% BW [MHz]			
			Dual Client		Indoor Client			Dual Client		Indoor Client	
			ANT1	ANT2	ANT1	ANT2		ANT1	ANT2	ANT1	ANT2
UNII-5	3	5965	43.67	42.42	44.38	43.80	42.42	36.540	36.460	36.541	36.477
	43	6165	44.34	43.91	43.62	42.53		36.548	36.426	36.617	36.405
	91	6405	45.32	43.12	43.77	43.08		36.620	36.411	36.530	36.394
UNII-6	99	6445			44.68	**42.33**	**42.33**			36.526	36.388
	115	6525			42.95	43.66				36.493	36.380
UNII-7	123	6565	44.45	43.00	43.85	43.63	42.99	36.515	36.429	36.563	36.404
	147	6685	43.44	42.99	43.52	43.22		36.461	36.465	36.414	36.468
	179	6845	44.28	44.25	44.21	43.39		36.416	36.475	36.451	36.465
UNII-8	187	6885			43.69	43.82	43.61			36.431	36.462
	203	6965			43.61	44.28				36.393	36.449
	227	7085			43.84	44.11				36.416	36.479

9.3.4. 802.11ax HE80

Band	Ch.	Center Freq. [MHz]	26 dB BW [MHz]				Worst	99% BW [MHz]			
			Dual Client		Indoor Client			Dual Client		Indoor Client	
			ANT1	ANT2	ANT1	ANT2		ANT1	ANT2	ANT1	ANT2
UNII-5	7	5985	89.00	87.18	88.35	86.60	**85.96**	76.340	76.208	76.365	76.234
	39	6145	89.89	86.48	90.09	87.69		76.383	76.288	76.351	76.175
	87	6385	89.01	**85.96**	88.69	87.56		76.350	76.023	76.375	76.097
UNII-6	103	6465			89.27	87.24	87.24			76.211	76.039
UNII-7	119	6545			88.30	88.03	86.94			76.248	76.187
	151	6705	88.99	88.08	88.57	86.94		76.057	76.175	76.133	76.175
	183	6865			90.22	88.86				76.098	76.274
UNII-8	199	6945			88.13	87.86	87.86			76.072	76.259
	215	7025			89.62	89.34				76.111	76.324

9.3.5. 802.11ax HE160

Band	Ch.	Center Freq. [MHz]	26 dB BW [MHz]				Worst	99% BW [MHz]			
			Dual Client		Indoor Client			Dual Client		Indoor Client	
			ANT1	ANT2	ANT1	ANT2		ANT1	ANT2	ANT1	ANT2
UNII-5	15	6025	172.6	172.6	171.2	170.8	169.9	155.90	155.90	156.00	155.71
	47	6185	172.6	172.9	**169.9**	171.8		155.85	155.87	155.92	155.65
	79	6345	172.6	175.9	171.4	170.4		155.82	155.89	155.84	155.31
UNII-6	111	6505			172.4	171.4	171.4			155.75	155.48
UNII-7	143	6665	171.6	171.3	172.1	170.2	170.2	155.55	155.44	155.58	155.70
	175	6825			172.3	171.6				155.55	155.74
UNII-8	207	6985			173.3	174.7	173.3			155.52	155.72

10.   ANTENNA PORT TEST RESULTS

10.1.   OUTPUT POWER AND PPSD

LIMITS
FCC §15.407 (a) (8)

For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum power spectral density must not exceed −1 dBm e.i.r.p. in any 1megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 24 dBm.

TEST PROCEDURE
KDB 789033 Method PM is used for output power.

KDB 789033 Method SA-2 is used for only power of straddle Ch. and PPSD. RBW set to 1MHz, the VBW >= 3 x RBW, RMS detector and trace averaging. Band power function used for power and peak marker value of the spectrum is used for PSD.

DIRECTIONAL ANTENNA GAIN

For OUTPUT POWER and PSD: The TX chains are correlated and the antenna gains are unequal among the chains. The directional gain is:

Frequency Band [MHz]	ANT1 Gain [dBi]	ANT2 Gain [dBi]	Correlated Chains Directional Gain [dBi]	Uncorrelated Chains Directional Gain [dBi]
UNII 5 5925 – 6425	-5.93	-5.17	-2.53	-5.53
UNII 6 6425 – 6525	-9.41	-5.64	-4.31	-7.13
UNII 7 6525 – 6875	-9.88	-6.43	-4.97	-7.82
UNII 8 6875 - 7125	-7.39	-6.98	-4.17	-7.18

10.1.1. 802.11a MODE

Output Power Results

- 6CD

Band	Channel	Freq. [MHz]	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
			ANT1	ANT2	MIMO			
UNII-5	1	5955	11.39	11.01	14.21	-2.53	11.68	30.00
	45	6175	11.66	11.52	14.60	-2.53	12.07	
	93	6415	11.40	11.20	14.31	-2.53	11.78	
UNII-7	117	6535	11.33	11.09	14.22	-4.97	9.25	
	149	6695	11.34	11.45	14.41	-4.97	9.44	
	181	6855	10.45	11.23	13.87	-4.97	8.90	

-6XD

Band	Channel	Freq. [MHz]	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
			ANT1	ANT2	MIMO			
UNII-5	1	5955	8.48	8.37	11.44	-2.53	8.91	24.00
	45	6175	8.43	8.00	11.23	-2.53	8.70	
	93	6415	8.73	8.11	11.44	-2.53	8.91	
UNII-6	97	6435	8.81	8.17	11.51	-4.31	7.20	
	105	6475	8.54	8.43	11.50	-4.31	7.19	
	113	6515	8.29	8.91	11.62	-4.31	7.31	
UNII-7	117	6535	8.09	8.47	11.29	-4.97	6.32	
	149	6695	8.30	8.79	11.56	-4.97	6.59	
	185	6875	9.00	7.77	11.44	-4.97	6.47	
UNII-8	189	6895	8.74	7.95	11.37	-4.17	7.20	
	209	6995	8.63	7.84	11.26	-4.17	7.09	
	233	7115	3.57	4.08	6.84	-4.17	2.67	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

PSD Results
- 6CD

Band	Channel	Freq. [MHz]	Meas PSD [dBm/MHz]			DCCF	Direct. Gain [dBi]	Corr'd PSD e.i.r.p [dBm]	PSD e.i.r.p Limit [dBm/MHz]
			ANT1	ANT2	MIMO				
UNII-5	1	5955	1.060	0.627	3.859	-	-2.53	1.329	17.00
	45	6175	0.714	0.694	3.714	-	-2.53	1.184	
	93	**6415**	**0.368**	**1.287**	**3.862**	**-**	**-2.53**	**1.332**	
UNII-7	117	6535	0.859	0.537	3.711	-	-4.97	-1.259	
	149	6695	0.573	0.069	3.339	-	-4.97	-1.631	
	181	6855	-0.884	-0.308	2.424	-	-4.97	-2.546	

- 6XD

Band	Channel	Freq. [MHz]	Meas PSD [dBm/MHz]			DCCF	Direct. Gain [dBi]	Corr'd PSD e.i.r.p [dBm]	PSD e.i.r.p Limit [dBm/MHz]
			ANT1	ANT2	MIMO				
UNII-5	1	5955	-4.484	-4.480	-1.472	-	-2.53	-4.002	-1.00
	45	6175	-4.426	-3.802	-1.093	-	-2.53	-3.623	
	93	**6415**	**-3.918**	**-4.270**	**-1.080**	**-**	**-2.53**	**-3.610**	
UNII-6	97	6435	-3.879	-4.188	-1.020	-	-4.31	-5.330	
	105	6475	-4.154	-4.249	-1.191	-	-4.31	-5.501	
	113	6515	-4.275	-3.441	-0.828	-	-4.31	-5.138	
UNII-7	117	6535	-4.520	-3.660	-1.058	-	-4.97	-6.028	
	149	6695	-5.552	-3.764	-1.556	-	-4.97	-6.526	
	185	6875	-3.880	-3.907	-0.883	-	-4.97	-5.853	
UNII-8	189	6895	-4.406	-4.007	-1.192	-	-4.17	-5.362	
	209	6995	-4.177	-4.122	-1.139	-	-4.17	-5.309	
	233	7115	-3.569	-3.519	-0.534	-	-4.17	-4.704	

Corr'd PSD e.i.r.p = ANT1 Meas PSD + Ant2 Meas PSD + DCCF + Directional Gain

10.1.2.   802.11ax HE20 MODE

Output Power Results

- 6CD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-5	1	5955	26T	0	10.02	10.42	13.23	-5.53	7.70	30.00
				4	9.60	10.08	12.86	-5.53	7.33	
				8	9.99	10.54	13.28	-5.53	7.75	
			52T	37	9.98	10.35	13.18	-5.53	7.65	
				38	9.78	10.15	12.98	-5.53	7.45	
				40	10.02	10.52	13.29	-5.53	7.76	
			106T	53	9.85	10.29	13.09	-5.53	7.56	
				54	9.84	10.31	13.09	-5.53	7.56	
			SU	-	10.71	10.94	13.84	-5.53	8.31	
	45	6175	26T	0	10.41	10.60	13.52	-5.53	7.99	
				4	9.96	10.24	13.11	-5.53	7.58	
				8	10.40	10.64	13.53	-5.53	8.00	
			52T	37	10.38	10.55	13.48	-5.53	7.95	
				38	10.18	10.33	13.27	-5.53	7.74	
				40	10.40	10.62	13.52	-5.53	7.99	
			106T	53	10.25	10.47	13.37	-5.53	7.84	
				54	10.25	10.50	13.39	-5.53	7.86	
			SU	-	11.16	11.35	14.27	-5.53	8.74	
	93	6415	26T	0	10.08	10.35	13.23	-5.53	7.70	
				4	9.62	9.98	12.81	-5.53	7.28	
				8	9.98	10.33	13.17	-5.53	7.64	
			52T	37	10.04	10.28	13.17	-5.53	7.64	
				38	9.84	10.08	12.97	-5.53	7.44	
				40	9.94	10.24	13.10	-5.53	7.57	
			106T	53	9.86	10.16	13.02	-5.53	7.49	
				54	9.84	10.15	13.01	-5.53	7.48	
			SU	-	10.88	10.99	13.95	-5.53	8.42	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

- 6XD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-5	1	5955	26T	0	-1.65	-2.15	1.12	-5.53	-4.41	24.00
				4	-2.11	-2.62	0.65	-5.53	-4.88	
				8	-1.64	-2.30	1.05	-5.53	-4.48	
			52T	37	1.34	1.33	4.35	-5.53	-1.18	
				38	1.09	0.44	3.79	-5.53	-1.74	
				40	1.29	0.56	3.95	-5.53	-1.58	
			106T	53	3.90	3.92	6.92	-5.53	1.39	
				54	3.72	3.74	6.74	-5.53	1.21	
			SU	-	8.20	8.13	11.18	-5.53	5.65	
	45	6175	26T	0	-1.92	-1.67	1.22	-5.53	-4.31	
				4	-2.24	-2.15	0.82	-5.53	-4.71	
				8	-1.76	-1.82	1.22	-5.53	-4.31	
			52T	37	1.22	1.29	4.27	-5.53	-1.26	
				38	1.03	1.05	4.05	-5.53	-1.48	
				40	1.30	1.16	4.24	-5.53	-1.29	
			106T	53	4.10	4.28	7.20	-5.53	1.67	
				54	3.95	4.06	7.02	-5.53	1.49	
			SU	-	8.30	8.60	11.46	-5.53	5.93	
	93	6415	26T	0	-1.98	-1.54	1.26	-5.53	-4.27	
				4	-2.46	-2.06	0.75	-5.53	-4.78	
				8	-2.03	-1.71	1.14	-5.53	-4.39	
			52T	37	0.90	1.31	4.12	-5.53	-1.41	
				38	0.67	1.11	3.91	-5.53	-1.62	
				40	0.91	1.26	4.10	-5.53	-1.43	
			106T	53	4.05	4.26	7.17	-5.53	1.64	
				54	3.90	4.12	7.02	-5.53	1.49	
			SU	-	8.01	8.23	11.13	-5.53	5.60	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

- 6XD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-6	97	6435	26T	0	-2.34	-1.89	0.90	-7.13	-6.23	24.00
				4	-2.74	-2.29	0.50	-7.13	-6.63	
				8	-2.25	-1.92	0.93	-7.13	-6.20	
			52T	37	0.70	1.04	3.88	-7.13	-3.25	
				38	0.50	0.86	3.69	-7.13	-3.44	
				40	0.72	1.03	3.89	-7.13	-3.24	
			106T	53	3.76	4.15	6.97	-7.13	-0.16	
				54	3.72	4.01	6.88	-7.13	-0.25	
			SU	-	8.08	8.23	11.17	-7.13	4.04	
	105	6475	26T	0	-2.08	-2.22	0.86	-7.13	-6.27	
				4	-2.50	-2.64	0.44	-7.13	-6.69	
				8	-1.96	-2.30	0.88	-7.13	-6.25	
			52T	37	1.09	0.79	3.95	-7.13	-3.18	
				38	0.90	0.57	3.75	-7.13	-3.38	
				40	1.08	0.72	3.91	-7.13	-3.22	
			106T	53	4.42	4.01	7.23	-7.13	0.10	
				54	4.32	3.76	7.06	-7.13	-0.07	
			SU	-	7.84	8.24	11.05	-7.13	3.92	
	113	6515	26T	0	-2.03	-2.29	0.85	-7.13	-6.28	
				4	-2.41	-2.68	0.47	-7.13	-6.66	
				8	-1.95	-2.32	0.88	-7.13	-6.25	
			52T	37	1.16	0.74	3.97	-7.13	-3.16	
				38	0.94	0.52	3.75	-7.13	-3.38	
				40	1.16	0.66	3.93	-7.13	-3.20	
			106T	53	4.40	3.91	7.17	-7.13	0.04	
				54	4.32	3.84	7.10	-7.13	-0.03	
			SU	-	7.70	8.54	11.15	-7.13	4.02	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

- 6CD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-7	117	6535	26T	0	10.21	10.34	13.29	-7.82	5.47	30.00
				4	9.68	9.87	12.79	-7.82	4.97	
				8	10.05	10.24	13.16	-7.82	5.34	
			52T	37	10.12	10.22	13.18	-7.82	5.36	
				38	9.90	10.01	12.97	-7.82	5.15	
				40	10.03	10.15	13.10	-7.82	5.28	
			106T	53	9.98	10.10	13.05	-7.82	5.23	
				54	9.96	10.06	13.02	-7.82	5.20	
			SU	-	10.73	10.98	13.87	-7.82	6.05	
	149	6695	26T	0	10.26	10.40	13.34	-7.82	5.52	
				4	9.83	9.96	12.91	-7.82	5.09	
				8	10.10	10.30	13.21	-7.82	5.39	
			52T	37	10.23	10.34	13.30	-7.82	5.48	
				38	9.98	10.11	13.06	-7.82	5.24	
				40	10.09	10.25	13.18	-7.82	5.36	
			106T	53	10.06	10.19	13.14	-7.82	5.32	
				54	10.04	10.17	13.12	-7.82	5.30	
			SU	-	11.11	11.01	14.07	-7.82	6.25	
	181	6855	26T	0	9.87	10.44	13.17	-7.82	5.35	
				4	9.32	9.97	12.67	-7.82	4.85	
				8	9.76	10.31	13.05	-7.82	5.23	
			52T	37	9.79	10.39	13.11	-7.82	5.29	
				38	9.56	10.15	12.88	-7.82	5.06	
				40	9.71	10.25	13.00	-7.82	5.18	
			106T	53	9.53	10.20	12.89	-7.82	5.07	
				54	9.52	10.20	12.88	-7.82	5.06	
			SU	-	10.60	11.14	13.89	-7.82	6.07	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

- 6XD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-7	117	6535	26T	0	-1.87	-2.17	0.99	-7.82	-6.83	24.00
				4	-2.30	-2.61	0.56	-7.82	-7.26	
				8	-1.84	-2.24	0.97	-7.82	-6.85	
			52T	37	1.09	0.78	3.95	-7.82	-3.87	
				38	0.91	0.57	3.75	-7.82	-4.07	
				40	1.14	0.75	3.96	-7.82	-3.86	
			106T	53	4.75	4.12	7.46	-7.82	-0.36	
				54	4.69	4.02	7.38	-7.82	-0.44	
			SU	-	8.00	8.51	11.27	-7.82	3.45	
	149	6695	26T	0	-2.03	-1.84	1.08	-7.82	-6.74	
				4	-2.40	-2.22	0.70	-7.82	-7.12	
				8	-1.90	-1.75	1.19	-7.82	-6.63	
			52T	37	1.06	1.26	4.17	-7.82	-3.65	
				38	0.82	1.03	3.94	-7.82	-3.88	
				40	1.01	1.23	4.13	-7.82	-3.69	
			106T	53	4.18	3.65	6.93	-7.82	-0.89	
				54	3.96	3.52	6.76	-7.82	-1.06	
			SU	-	7.90	8.64	11.30	-7.82	3.48	
	185	6875	26T	0	-2.17	-1.60	1.13	-7.82	-6.69	
				4	-2.50	-2.01	0.76	-7.82	-7.06	
				8	-2.09	-1.68	1.13	-7.82	-6.69	
			52T	37	0.86	1.45	4.18	-7.82	-3.64	
				38	0.61	1.20	3.93	-7.82	-3.89	
				40	0.92	1.30	4.12	-7.82	-3.70	
			106T	53	3.60	3.80	6.71	-7.82	-1.11	
				54	4.57	4.34	7.47	-7.82	-0.35	
			SU	-	8.32	7.94	11.14	-7.82	3.32	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

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- 6XD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-8	189	6895	26T	0	-2.10	-1.61	1.16	-7.18	-6.02	24.00
				4	-2.50	-2.09	0.72	-7.18	-6.46	
				8	-2.01	-1.73	1.14	-7.18	-6.04	
			52T	37	0.88	1.39	4.15	-7.18	-3.03	
				38	0.70	1.12	3.93	-7.18	-3.25	
				40	0.93	1.21	4.08	-7.18	-3.10	
			106T	53	4.41	4.67	7.55	-7.18	0.37	
				54	4.32	4.59	7.47	-7.18	0.29	
			SU	-	8.02	8.12	11.08	-7.18	3.90	
	209	6995	26T	0	-2.02	-1.73	1.14	-7.18	-6.04	
				4	-2.32	-2.20	0.75	-7.18	-6.43	
				8	-1.90	-1.85	1.14	-7.18	-6.04	
			52T	37	1.12	1.25	4.20	-7.18	-2.98	
				38	0.92	1.01	3.98	-7.18	-3.20	
				40	1.13	1.16	4.16	-7.18	-3.02	
			106T	53	4.47	4.77	7.63	-7.18	0.45	
				54	4.33	4.65	7.50	-7.18	0.32	
			SU	-	8.01	8.22	11.13	-7.18	3.95	
	233	7115	26T	0	-2.70	-0.70	1.42	-7.18	-5.76	
				4	-3.07	-1.05	1.07	-7.18	-6.11	
				8	-2.64	-0.65	1.48	-7.18	-5.70	
			52T	37	0.31	2.31	4.43	-7.18	-2.75	
				38	0.08	2.13	4.24	-7.18	-2.94	
				40	0.30	2.31	4.43	-7.18	-2.75	
			106T	53	2.96	4.58	6.86	-7.18	-0.32	
				54	2.85	4.30	6.65	-7.18	-0.53	
			SU	-	7.92	8.49	11.22	-7.18	4.04	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

PSD Results
- 6CD

Band	Channel	Freq. [MHz]	Tones	RU offset	Meas PSD [dBm/MHz]			DCCF	Direct. Gain [dBi]	Corr'd PSD e.i.r.p [dBm]	PSD e.i.r.p Limit [dBm/MHz]
					ANT1	ANT2	MIMO				
UNII-5	1	5955	26T	0	8.158	8.690	11.442	-	-5.53	5.912	17.00
				4	6.646	7.195	9.939	-	-5.53	4.409	
				8	8.174	8.594	11.399	-	-5.53	5.869	
			SU	-	-0.594	0.398	2.941	-	-5.53	-2.589	
	45	**6175**	**26T**	0	8.063	8.604	11.352	-	-5.53	5.822	
				4	7.005	6.969	9.997	-	-5.53	4.467	
				8	**8.602**	**8.860**	**11.743**	**-**	**-5.53**	**6.213**	
			SU	-	-0.114	-0.048	2.929	-	-5.53	-2.601	
	93	6415	26T	0	7.719	8.094	10.921	-	-5.53	5.391	
				4	6.598	6.700	9.660	-	-5.53	4.130	
				8	8.349	8.361	11.365	-	-5.53	5.835	
			SU	-	-0.475	-0.179	2.686	-	-5.53	-2.844	
UNII-7	117	6535	26T	0	8.457	8.269	11.374	-	-7.82	3.554	
				4	6.683	6.688	9.696	-	-7.82	1.876	
				8	8.428	7.865	11.166	-	-7.82	3.346	
			SU	-	0.158	-0.150	3.017	-	-7.82	-4.803	
	149	6695	26T	0	8.473	8.301	11.398	-	-7.82	3.578	
				4	6.823	6.989	9.917	-	-7.82	2.097	
				8	8.177	8.387	11.294	-	-7.82	3.474	
			SU	-	0.420	-0.207	3.128	-	-7.82	-4.692	
	181	6855	26T	0	7.894	8.242	11.082	-	-7.82	3.262	
				4	6.421	6.695	9.570	-	-7.82	1.750	
				8	7.509	7.756	10.645	-	-7.82	2.825	
			SU	-	-0.869	0.412	2.829	-	-7.82	-4.991	

* Corr'd PSD e.i.r.p = ANT1 Meas PSD + Ant2 Meas PSD + DCCF + Directional Gain

- 6XD

Band	Channel	Freq. [MHz]	Tones	RU offset	Meas PSD [dBm/MHz]			DCCF	Direct. Gain [dBi]	Corr'd PSD e.i.r.p [dBm]	PSD e.i.r.p Limit [dBm/MHz]
					ANT1	ANT2	MIMO				
UNII-5	1	5955	26T	0	-5.292	-5.920	-2.584	-	-5.53	-8.114	
				4	-6.922	-7.099	-3.999	-	-5.53	-9.529	
				8	-5.303	-5.677	-2.476	-	-5.53	-8.006	
			SU	-	-2.812	-3.973	-0.344	-	-5.53	-5.874	
	45	**6175**	26T	0	-6.284	-5.435	-2.828	-	-5.53	-8.358	
				4	-7.522	-6.875	-4.176	-	-5.53	-9.706	
				8	-5.868	-5.426	-2.631	-	-5.53	-8.161	
			SU	**-**	**-3.112**	**-3.027**	**-0.059**	**-**	**-5.53**	**-5.589**	
	93	6415	26T	0	-5.843	-5.730	-2.776	-	-5.53	-8.306	
				4	-7.099	-7.157	-4.118	-	-5.53	-9.648	
				8	-5.004	-5.623	-2.292	-	-5.53	-7.822	
			SU	-	-3.211	-3.105	-0.147	-	-5.53	-5.677	
UNII-6	97	6435	26T	0	-6.067	-5.515	-2.772	-	-7.13	-9.902	
				4	-6.769	-7.129	-3.935	-	-7.13	-11.065	
				8	-5.478	-5.591	-2.524	-	-7.13	-9.654	
			SU	-	-3.155	-3.075	-0.105	-	-7.13	-7.235	
	105	6475	26T	0	-4.883	-6.132	-2.452	-	-7.13	-9.582	
				4	-5.877	-7.776	-3.713	-	-7.13	-10.843	
				8	-4.072	-6.065	-1.945	-	-7.13	-9.075	
			SU	-	-2.936	-2.528	0.283	-	-7.13	-6.847	
	113	6515	26T	0	-4.360	-6.575	-2.317	-	-7.13	-9.447	-1.00
				4	-6.249	-7.515	-3.826	-	-7.13	-10.956	
				8	-4.246	-6.397	-2.179	-	-7.13	-9.309	
			SU	-	-2.984	-2.880	0.079	-	-7.13	-7.051	
UNII-7	117	6535	26T	0	-4.447	-6.080	-2.177	-	-7.82	-9.997	
				4	-5.623	-7.473	-3.440	-	-7.82	-11.260	
				8	-3.572	-6.347	-1.731	-	-7.82	-9.551	
			SU	-	-3.215	-3.246	-0.220	-	-7.82	-8.040	
	149	6695	26T	0	-4.470	-6.171	-2.227	-	-7.82	-10.047	
				4	-5.416	-7.695	-3.397	-	-7.82	-11.217	
				8	-4.003	-5.729	-1.771	-	-7.82	-9.591	
			SU	-	-2.896	-3.527	-0.190	-	-7.82	-8.010	
	185	6875	26T	0	-3.409	-5.239	-1.218	-	-7.82	-9.038	
				4	-4.913	-6.953	-2.804	-	-7.82	-10.624	
				8	-3.212	-5.513	-1.202	-	-7.82	-9.022	
			SU	-	-3.476	-3.186	-0.318	-	-7.82	-8.138	
UNII-8	189	6895	26T	0	-3.023	-5.534	-1.089	-	-7.18	-8.269	
				4	-4.911	-6.824	-2.753	-	-7.18	-9.933	
				8	-3.085	-5.322	-1.051	-	-7.18	-8.231	
			SU	-	-3.424	-2.938	-0.164	-	-7.18	-7.344	
	209	6995	26T	0	-3.164	-4.957	-0.958	-	-7.18	-8.138	
				4	-4.309	-6.332	-2.193	-	-7.18	-9.373	
				8	-2.436	-4.898	-0.485	-	-7.18	-7.665	
			SU	-	-3.518	-2.207	0.197	-	-7.18	-6.983	
	233	7115	26T	0	-4.174	-4.638	-1.390	-	-7.18	-8.570	
				4	-5.511	-5.707	-2.598	-	-7.18	-9.778	
				8	-3.889	-4.015	-0.941	-	-7.18	-8.121	
			SU	-	-4.195	-1.470	0.388	-	-7.18	-6.792	

* Corr'd PSD e.i.r.p = ANT1 Meas PSD + Ant2 Meas PSD + DCCF + Directional Gain

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10.1.3. 802.11ax HE40 MODE

Output Power Results

- 6CD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-5	3	5965	26T	0	9.93	10.44	13.20	-5.53	7.67	30.00
				9	9.70	10.18	12.96	-5.53	7.43	
				17	9.88	10.53	13.23	-5.53	7.70	
			52T	37	9.85	10.32	13.10	-5.53	7.57	
				41	9.70	10.16	12.95	-5.53	7.42	
				44	9.87	10.49	13.20	-5.53	7.67	
			106T	53	9.80	10.30	13.07	-5.53	7.54	
				54	9.65	10.19	12.94	-5.53	7.41	
				56	9.84	10.45	13.17	-5.53	7.64	
			242T	61	10.70	11.36	14.05	-5.53	8.52	
				62	10.71	11.35	14.05	-5.53	8.52	
			SU	-	11.24	11.60	14.43	-5.53	8.90	
	43	6165	26T	0	10.36	10.70	13.54	-5.53	8.01	
				9	10.20	10.51	13.37	-5.53	7.84	
				17	10.42	10.80	13.62	-5.53	8.09	
			52T	37	10.35	10.69	13.53	-5.53	8.00	
				41	10.22	10.47	13.36	-5.53	7.83	
				44	10.42	10.71	13.58	-5.53	8.05	
			106T	53	10.30	10.62	13.47	-5.53	7.94	
				54	10.13	10.50	13.33	-5.53	7.80	
				56	10.30	10.70	13.51	-5.53	7.98	
			242T	61	11.06	11.24	14.16	-5.53	8.63	
				62	11.15	11.25	14.21	-5.53	8.68	
			SU	-	11.78	11.98	14.89	-5.53	9.36	
	91	6405	26T	0	10.25	10.40	13.34	-5.53	7.81	
				9	9.98	10.18	13.09	-5.53	7.56	
				17	10.10	10.35	13.24	-5.53	7.71	
			52T	37	10.17	10.35	13.27	-5.53	7.74	
				41	10.01	10.15	13.09	-5.53	7.56	
				44	10.10	10.28	13.20	-5.53	7.67	
			106T	53	10.15	10.29	13.23	-5.53	7.70	
				54	9.98	10.12	13.06	-5.53	7.53	
				56	10.05	10.28	13.18	-5.53	7.65	
			242T	61	10.95	11.12	14.05	-5.53	8.52	
				62	10.94	11.10	14.03	-5.53	8.50	
			SU	-	11.38	11.76	14.58	-5.53	9.05	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

- 6XD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-5	3	5965	26T	0	-1.81	-2.33	0.95	-5.53	-4.58	24.00
				9	-2.14	-2.76	0.57	-5.53	-4.96	
				17	-1.90	-2.71	0.72	-5.53	-4.81	
			52T	37	1.10	0.44	3.79	-5.53	-1.74	
				41	1.32	0.54	3.96	-5.53	-1.57	
				44	1.52	0.62	4.10	-5.53	-1.43	
			106T	53	3.58	3.85	6.73	-5.53	1.20	
				54	3.54	3.78	6.67	-5.53	1.14	
				56	3.60	3.80	6.71	-5.53	1.18	
			242T	61	7.48	7.39	10.45	-5.53	4.92	
				62	7.55	7.41	10.49	-5.53	4.96	
			SU	-	8.15	8.09	11.13	-5.53	5.60	
	43	6165	26T	0	-1.82	-1.48	1.36	-5.53	-4.17	
				9	-1.88	-1.79	1.18	-5.53	-4.35	
				17	-1.56	-1.71	1.38	-5.53	-4.15	
			52T	37	1.32	1.69	4.52	-5.53	-1.01	
				41	1.25	1.33	4.30	-5.53	-1.23	
				44	1.48	1.41	4.46	-5.53	-1.07	
			106T	53	4.32	4.74	7.55	-5.53	2.02	
				54	4.22	4.56	7.40	-5.53	1.87	
				56	4.33	4.71	7.53	-5.53	2.00	
			242T	61	7.05	7.89	10.50	-5.53	4.97	
				62	7.10	7.98	10.57	-5.53	5.04	
			SU	-	8.25	8.72	11.50	-5.53	5.97	
	91	6405	26T	0	-1.82	-1.24	1.49	-5.53	-4.04	
				9	-2.04	-1.58	1.21	-5.53	-4.32	
				17	-1.78	-1.46	1.39	-5.53	-4.14	
			52T	37	1.15	1.71	4.45	-5.53	-1.08	
				41	0.99	1.40	4.21	-5.53	-1.32	
				44	1.22	1.49	4.37	-5.53	-1.16	
			106T	53	4.48	4.77	7.64	-5.53	2.11	
				54	4.15	4.56	7.37	-5.53	1.84	
				56	4.17	4.49	7.34	-5.53	1.81	
			242T	61	6.92	7.68	10.33	-5.53	4.80	
				62	6.90	7.66	10.31	-5.53	4.78	
			SU	-	8.08	8.40	11.25	-5.53	5.72	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

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- 6XD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-6	99	6445	26T	0	-1.68	-1.40	1.47	-7.13	-5.66	24.00
				9	-1.95	-1.76	1.16	-7.13	-5.97	
				17	-1.73	-1.63	1.33	-7.13	-5.80	
			52T	37	1.23	1.55	4.40	-7.13	-2.73	
				41	1.03	1.25	4.15	-7.13	-2.98	
				44	1.25	1.38	4.33	-7.13	-2.80	
			106T	53	3.78	4.13	6.97	-7.13	-0.16	
				54	3.65	3.96	6.82	-7.13	-0.31	
				56	3.67	4.00	6.85	-7.13	-0.28	
			242T	61	7.27	7.06	10.18	-7.13	3.05	
				62	7.19	6.99	10.10	-7.13	2.97	
			SU	-	8.04	8.28	11.17	-7.13	4.04	
	115	6525	26T	0	-1.98	-2.40	0.83	-7.13	-6.30	
				9	-2.19	-2.72	0.56	-7.13	-6.57	
				17	-1.90	-2.58	0.78	-7.13	-6.35	
			52T	37	1.10	0.56	3.85	-7.13	-3.28	
				41	0.91	0.28	3.62	-7.13	-3.51	
				44	1.20	0.44	3.85	-7.13	-3.28	
			106T	53	4.60	4.08	7.36	-7.13	0.23	
				54	4.20	3.82	7.02	-7.13	-0.11	
				56	4.15	3.78	6.98	-7.13	-0.15	
			242T	61	6.98	7.64	10.33	-7.13	3.20	
				62	7.01	7.61	10.33	-7.13	3.20	
			SU	-	7.70	8.37	11.06	-7.13	3.93	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

- 6CD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-7	123	6565	26T	0	9.99	10.77	13.41	-7.82	5.59	30.00
				9	9.80	10.52	13.19	-7.82	5.37	
				17	9.84	10.67	13.29	-7.82	5.47	
			52T	37	9.95	10.69	13.35	-7.82	5.53	
				41	9.80	10.48	13.16	-7.82	5.34	
				44	9.85	10.61	13.26	-7.82	5.44	
			106T	53	9.84	10.60	13.25	-7.82	5.43	
				54	9.65	10.40	13.05	-7.82	5.23	
				56	9.74	10.56	13.18	-7.82	5.36	
			242T	61	10.60	11.49	14.08	-7.82	6.26	
				62	10.54	11.48	14.05	-7.82	6.23	
			SU	-	11.18	11.97	14.60	-7.82	6.78	
	147	6685	26T	0	10.25	10.44	13.36	-7.82	5.54	
				9	10.01	10.18	13.11	-7.82	5.29	
				17	10.03	10.32	13.19	-7.82	5.37	
			52T	37	10.18	10.34	13.27	-7.82	5.45	
				41	9.98	10.12	13.06	-7.82	5.24	
				44	10.04	10.28	13.17	-7.82	5.35	
			106T	53	10.10	10.27	13.20	-7.82	5.38	
				54	9.90	10.12	13.02	-7.82	5.20	
				56	10.00	10.20	13.11	-7.82	5.29	
			242T	61	11.20	11.06	14.14	-7.82	6.32	
				62	11.18	11.04	14.12	-7.82	6.30	
			SU	-	11.60	11.50	14.56	-7.82	6.74	
	179	6845	26T	0	9.81	10.76	13.32	-7.82	5.50	
				9	9.50	10.52	13.05	-7.82	5.23	
				17	9.55	10.66	13.15	-7.82	5.33	
			52T	37	9.84	10.66	13.28	-7.82	5.46	
				41	9.50	10.45	13.01	-7.82	5.19	
				44	9.60	10.60	13.14	-7.82	5.32	
			106T	53	9.66	10.61	13.17	-7.82	5.35	
				54	9.50	10.48	13.03	-7.82	5.21	
				56	9.52	10.50	13.05	-7.82	5.23	
			242T	61	10.55	11.37	13.99	-7.82	6.17	
				62	10.48	11.36	13.95	-7.82	6.13	
			SU	-	11.15	11.66	14.42	-7.82	6.60	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

- 6XD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-7	123	6565	26T	0	-1.93	-2.36	0.87	-7.82	-6.95	24.00
				9	-2.01	-2.62	0.71	-7.82	-7.11	
				17	-1.70	-2.47	0.94	-7.82	-6.88	
			52T	37	1.09	0.64	3.88	-7.82	-3.94	
				41	0.99	0.40	3.72	-7.82	-4.10	
				44	1.25	0.58	3.94	-7.82	-3.88	
			106T	53	4.62	4.10	7.38	-7.82	-0.44	
				54	4.30	3.72	7.03	-7.82	-0.79	
				56	4.36	3.82	7.11	-7.82	-0.71	
			242T	61	7.40	7.43	10.43	-7.82	2.61	
				62	7.44	7.45	10.46	-7.82	2.64	
			SU	-	8.20	8.22	11.22	-7.82	3.40	
	147	6685	26T	0	-2.10	-1.11	1.43	-7.82	-6.39	
				9	-2.29	-1.37	1.20	-7.82	-6.62	
				17	-2.02	-1.21	1.41	-7.82	-6.41	
			52T	37	0.92	1.86	4.43	-7.82	-3.39	
				41	0.72	1.62	4.20	-7.82	-3.62	
				44	0.98	1.79	4.41	-7.82	-3.41	
			106T	53	4.10	4.32	7.22	-7.82	-0.60	
				54	3.82	4.06	6.95	-7.82	-0.87	
				56	3.80	3.92	6.87	-7.82	-0.95	
			242T	61	7.10	7.77	10.46	-7.82	2.64	
				62	7.06	7.74	10.42	-7.82	2.60	
			SU	-	7.84	8.60	11.25	-7.82	3.43	
	179	6845	26T	0	-2.40	-1.20	1.25	-7.82	-6.57	
				9	-2.60	-1.54	0.97	-7.82	-6.85	
				17	-2.28	-1.44	1.17	-7.82	-6.65	
			52T	37	0.54	1.81	4.23	-7.82	-3.59	
				41	0.41	1.45	3.97	-7.82	-3.85	
				44	0.65	1.53	4.12	-7.82	-3.70	
			106T	53	3.80	4.13	6.98	-7.82	-0.84	
				54	3.62	3.77	6.71	-7.82	-1.11	
				56	3.42	3.88	6.67	-7.82	-1.15	
			242T	61	7.38	7.17	10.29	-7.82	2.47	
				62	7.32	7.09	10.22	-7.82	2.40	
			SU	-	8.22	8.03	11.14	-7.82	3.32	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]

Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

- 6XD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-8	187	6885	26T	0	-2.15	-1.34	1.28	-7.18	-5.90	24.00
				9	-2.30	-1.72	1.01	-7.18	-6.17	
				17	-2.01	-1.67	1.17	-7.18	-6.01	
			52T	37	0.82	1.62	4.25	-7.18	-2.93	
				41	0.68	1.25	3.98	-7.18	-3.20	
				44	0.92	1.30	4.12	-7.18	-3.06	
			106T	53	3.52	3.82	6.68	-7.18	-0.50	
				54	3.42	3.70	6.57	-7.18	-0.61	
				56	3.29	3.68	6.50	-7.18	-0.68	
			242T	61	7.22	7.23	10.24	-7.18	3.06	
				62	7.20	7.13	10.18	-7.18	3.00	
			SU	-	8.10	8.02	11.07	-7.18	3.89	
	203	6965	26T	0	-2.30	-1.42	1.17	-7.18	-6.01	
				9	-2.40	-1.80	0.92	-7.18	-6.26	
				17	-2.04	-1.70	1.14	-7.18	-6.04	
			52T	37	0.70	1.59	4.18	-7.18	-3.00	
				41	0.58	1.21	3.92	-7.18	-3.26	
				44	0.90	1.30	4.11	-7.18	-3.07	
			106T	53	3.50	3.72	6.62	-7.18	-0.56	
				54	3.22	3.48	6.36	-7.18	-0.82	
				56	3.32	3.45	6.40	-7.18	-0.78	
			242T	61	6.40	7.73	10.13	-7.18	2.95	
				62	6.45	7.65	10.10	-7.18	2.92	
			SU	-	7.30	8.40	10.90	-7.18	3.72	
	227	7085	26T	0	-3.45	-1.12	0.88	-7.18	-6.30	
				9	-2.98	-0.90	1.19	-7.18	-5.99	
				17	-2.71	-0.64	1.46	-7.18	-5.72	
			52T	37	-0.47	1.87	3.87	-7.18	-3.31	
				41	-0.49	1.65	3.72	-7.18	-3.46	
				44	-0.25	1.82	3.92	-7.18	-3.26	
			106T	53	2.52	4.43	6.59	-7.18	-0.59	
				54	2.90	4.80	6.96	-7.18	-0.22	
				56	3.00	4.77	6.98	-7.18	-0.20	
			242T	61	6.83	7.47	10.17	-7.18	2.99	
				62	6.95	7.43	10.21	-7.18	3.03	
			SU	-	7.89	8.20	11.06	-7.18	3.88	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

PSD Results
- 6CD

Band	Channel	Freq. [MHz]	Tones	RU offset	Meas PSD [dBm/MHz]			DCCF	Direct. Gain [dBi]	Corr'd PSD e.i.r.p [dBm]	PSD e.i.r.p Limit [dBm/MHz]
					ANT1	ANT2	MIMO				
UNII-5	3	5965	26T	0	9.317	8.373	11.881	-	-5.53	6.351	17.00
				9	8.842	7.589	11.271	-	-5.53	5.741	
				17	9.080	8.307	11.721	-	-5.53	6.191	
			SU	-	-2.033	-2.043	0.972	-	-5.53	-4.558	
	43	6165	26T	0	9.171	8.867	12.032	-	-5.53	6.502	
				9	8.557	8.541	11.559	-	-5.53	6.029	
				17	9.446	8.513	12.015	-	-5.53	6.485	
			SU	-	-2.059	-2.025	0.968	-	-5.53	-4.562	
	91	**6405**	**26T**	**0**	**9.341**	**9.723**	**12.546**	**-**	**-5.53**	**7.016**	
				9	9.170	9.414	12.304	-	-5.53	6.774	
				17	9.381	9.329	12.365	-	-5.53	6.835	
			SU	-	-1.814	-1.469	1.372	-	-5.53	-4.158	
UNII-7	123	6565	26T	0	8.805	8.610	11.719	-	-7.82	3.899	
				9	8.776	8.803	11.800	-	-7.82	3.980	
				17	9.108	8.035	11.615	-	-7.82	3.795	
			SU	-	-1.875	-2.196	0.978	-	-7.82	-6.842	
	147	6685	26T	0	9.277	8.905	12.105	-	-7.82	4.285	
				9	8.938	8.609	11.787	-	-7.82	3.967	
				17	9.342	8.408	11.910	-	-7.82	4.090	
			SU	-	-1.856	-2.061	1.053	-	-7.82	-6.767	
	179	6845	26T	0	8.667	9.293	12.002	-	-7.82	4.182	
				9	8.765	8.691	11.738	-	-7.82	3.918	
				17	8.835	8.758	11.807	-	-7.82	3.987	
			SU	-	-2.135	-2.202	0.842	-	-7.82	-6.978	

* Corr'd PSD e.i.r.p = ANT1 Meas PSD + Ant2 Meas PSD + DCCF + Directional Gain

- 6XD

Band	Channel	Freq. [MHz]	Tones	RU offset	Meas PSD [dBm/MHz]			DCCF	Direct. Gain [dBi]	Corr'd PSD e.i.r.p [dBm]	PSD e.i.r.p Limit [dBm/MHz]
					ANT1	ANT2	MIMO				
UNII-5	3	5965	26T	0	-4.968	-4.410	-1.670	-	-5.53	-7.200	
				9	-4.888	-6.384	-2.562	-	-5.53	-8.092	
				17	-4.901	-5.223	-2.049	-	-5.53	-7.579	
			SU	-	-5.102	-5.000	-2.040	-	-5.53	-7.570	
	43	6165	26T	0	-4.140	-3.318	-0.699	-	-5.53	-6.229	
				9	-4.694	-3.546	-1.072	-	-5.53	-6.602	
				17	-4.104	-3.637	-0.854	-	-5.53	-6.384	
			SU	-	-4.850	-4.411	-1.615	-	-5.53	-7.145	
	91	**6405**	**26T**	**0**	**-3.582**	**-3.704**	**-0.632**	**-**	**-5.53**	**-6.162**	
				9	-4.130	-4.448	-1.276	-	-5.53	-6.806	
				17	-3.843	-4.042	-0.931	-	-5.53	-6.461	
			SU	-	-5.036	-3.597	-1.247	-	-5.53	-6.777	
UNII-6	99	6445	26T	0	-3.299	-3.778	-0.522	-	-7.13	-7.652	
				9	-4.185	-4.159	-1.162	-	-7.13	-8.292	
				17	-3.969	-4.381	-1.160	-	-7.13	-8.290	
			SU	-	-4.912	-4.650	-1.769	-	-7.13	-8.899	
	115	6525	26T	0	-3.392	-4.976	-1.102	-	-7.13	-8.232	
				9	-3.425	-5.351	-1.272	-	-7.13	-8.402	
				17	-3.557	-5.095	-1.248	-	-7.13	-8.378	
			SU	-	-4.909	-5.008	-1.948	-	-7.13	-9.078	
UNII-7	123	6565	26T	0	-3.321	-4.821	-0.996	-	-7.82	-8.816	-1.00
				9	-3.280	-5.230	-1.136	-	-7.82	-8.956	
				17	-2.867	-5.236	-0.882	-	-7.82	-8.702	
			SU	-	-4.703	-4.992	-1.835	-	-7.82	-9.655	
	147	6685	26T	0	-2.609	-3.351	0.046	-	-7.82	-7.774	
				9	-3.527	-3.430	-0.468	-	-7.82	-8.288	
				17	-3.053	-3.115	-0.074	-	-7.82	-7.894	
			SU	-	-4.647	-4.689	-1.658	-	-7.82	-9.478	
	179	6845	26T	0	-2.164	-3.193	0.362	-	-7.82	-7.458	
				9	-2.968	-3.452	-0.193	-	-7.82	-8.013	
				17	-2.516	-3.510	0.026	-	-7.82	-7.794	
			SU	-	-4.857	-4.645	-1.739	-	-7.82	-9.559	
UNII-8	187	6885	26T	0	-2.168	-3.659	0.160	-	-7.18	-7.020	
				9	-2.305	-3.755	0.041	-	-7.18	-7.139	
				17	-1.583	-3.739	0.482	-	-7.18	-6.698	
			SU	-	-5.053	-3.436	-1.159	-	-7.18	-8.339	
	203	6965	26T	0	-2.016	-2.985	0.537	-	-7.18	-6.643	
				9	-1.864	-3.332	0.474	-	-7.18	-6.706	
				17	-1.265	-3.319	0.839	-	-7.18	-6.341	
			SU	-	-5.666	-2.973	-1.104	-	-7.18	-8.284	
	227	7085	26T	0	-3.285	-2.578	0.093	-	-7.18	-7.087	
				9	-2.762	-3.142	0.062	-	-7.18	-7.118	
				17	-2.633	-3.116	0.143	-	-7.18	-7.037	
			SU	-	-4.829	-3.345	-1.014	-	-7.18	-8.194	

* Corr'd PSD e.i.r.p = ANT1 Meas PSD + Ant2 Meas PSD + DCCF + Directional Gain

10.1.4. 802.11ax HE80 MODE

Output Power Results

- 6CD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-5	7	5985	26T	0	10.25	10.48	13.38	-5.53	7.85	30.00
				18	10.12	10.54	13.35	-5.53	7.82	
				36	10.18	10.68	13.45	-5.53	7.92	
			52T	37	10.42	10.65	13.55	-5.53	8.02	
				45	10.32	10.71	13.53	-5.53	8.00	
				52	10.40	10.87	13.65	-5.53	8.12	
			106T	53	10.27	10.59	13.44	-5.53	7.91	
				57	10.21	10.63	13.44	-5.53	7.91	
				60	10.30	10.79	13.56	-5.53	8.03	
			242T	61	10.26	10.52	13.40	-5.53	7.87	
				62	10.23	10.54	13.40	-5.53	7.87	
				64	10.24	10.66	13.47	-5.53	7.94	
			484T	65	10.15	10.44	13.31	-5.53	7.78	
				66	10.16	10.55	13.37	-5.53	7.84	
			SU	-	10.08	10.40	13.25	-5.53	7.72	
	39	6145	26T	0	10.53	10.51	13.53	-5.53	8.00	
				18	10.50	10.68	13.60	-5.53	8.07	
				36	10.63	10.68	13.67	-5.53	8.14	
			52T	37	10.68	10.71	13.71	-5.53	8.18	
				45	10.70	10.76	13.74	-5.53	8.21	
				52	10.84	10.82	13.84	-5.53	8.31	
			106T	53	10.57	10.67	13.63	-5.53	8.10	
				57	10.64	10.70	13.68	-5.53	8.15	
				60	10.69	10.78	13.75	-5.53	8.22	
			242T	61	10.48	10.55	13.53	-5.53	8.00	
				62	10.60	10.54	13.58	-5.53	8.05	
				64	10.66	10.68	13.68	-5.53	8.15	
			484T	65	10.48	10.51	13.51	-5.53	7.98	
				66	10.52	10.57	13.56	-5.53	8.03	
			SU	-	10.40	10.44	13.43	-5.53	7.90	
	87	6385	26T	0	10.64	10.48	13.57	-5.53	8.04	
				18	10.45	10.40	13.44	-5.53	7.91	
				36	10.44	10.39	13.43	-5.53	7.90	
			52T	37	10.74	10.63	13.70	-5.53	8.17	
				45	10.63	10.56	13.61	-5.53	8.08	
				52	10.58	10.50	13.55	-5.53	8.02	
			106T	53	10.62	10.52	13.58	-5.53	8.05	
				57	10.60	10.51	13.57	-5.53	8.04	
				60	10.48	10.45	13.48	-5.53	7.95	
			242T	61	10.48	10.36	13.43	-5.53	7.90	
				62	10.52	10.35	13.45	-5.53	7.92	
				64	10.40	10.37	13.40	-5.53	7.87	
			484T	65	10.49	10.31	13.41	-5.53	7.88	
				66	10.40	10.30	13.36	-5.53	7.83	
			SU	-	10.35	10.19	13.28	-5.53	7.75	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

- 6XD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-5	7	5985	26T	0	-1.68	-2.12	1.12	-5.53	-4.41	24.00
				18	-1.77	-2.46	0.91	-5.53	-4.62	
				36	-1.65	-2.75	0.85	-5.53	-4.68	
			52T	37	1.44	0.83	4.16	-5.53	-1.37	
				45	1.40	0.50	3.98	-5.53	-1.55	
				52	1.49	0.26	3.93	-5.53	-1.60	
			106T	53	4.03	4.20	7.13	-5.53	1.60	
				57	4.20	4.08	7.15	-5.53	1.62	
				60	4.35	4.08	7.23	-5.53	1.70	
			242T	61	7.40	7.51	10.47	-5.53	4.94	
				62	7.41	7.52	10.48	-5.53	4.95	
				64	7.50	7.53	10.53	-5.53	5.00	
			484T	65	8.58	8.62	11.61	-5.53	6.08	
				66	8.62	8.61	11.63	-5.53	6.10	
			SU	-	8.03	8.15	11.10	-5.53	5.57	
	39	6145	26T	0	-2.10	-2.13	0.90	-5.53	-4.63	
				18	-1.95	-2.58	0.76	-5.53	-4.77	
				36	-1.65	-2.90	0.78	-5.53	-4.75	
			52T	37	1.04	0.97	4.02	-5.53	-1.51	
				45	1.19	0.52	3.88	-5.53	-1.65	
				52	1.40	0.24	3.87	-5.53	-1.66	
			106T	53	4.03	4.57	7.32	-5.53	1.79	
				57	4.05	4.53	7.31	-5.53	1.78	
				60	4.11	4.57	7.36	-5.53	1.83	
			242T	61	7.01	7.80	10.43	-5.53	4.90	
				62	7.02	7.84	10.46	-5.53	4.93	
				64	7.06	7.84	10.48	-5.53	4.95	
			484T	65	8.38	8.94	11.68	-5.53	6.15	
				66	8.46	8.96	11.73	-5.53	6.20	
			SU	-	7.90	8.41	11.17	-5.53	5.64	
	87	6385	26T	0	-2.12	-1.15	1.40	-5.53	-4.13	
				18	-2.23	-1.44	1.19	-5.53	-4.34	
				36	-2.10	-1.68	1.13	-5.53	-4.40	
			52T	37	1.00	1.99	4.53	-5.53	-1.00	
				45	0.92	1.64	4.31	-5.53	-1.22	
				52	0.99	1.48	4.25	-5.53	-1.28	
			106T	53	3.34	4.02	6.70	-5.53	1.17	
				57	3.40	3.71	6.57	-5.53	1.04	
				60	3.40	3.78	6.60	-5.53	1.07	
			242T	61	6.83	7.84	10.37	-5.53	4.84	
				62	6.77	7.85	10.35	-5.53	4.82	
				64	6.78	7.80	10.33	-5.53	4.80	
			484T	65	8.07	8.86	11.49	-5.53	5.96	
				66	8.18	8.81	11.52	-5.53	5.99	
			SU	-	7.65	8.36	11.03	-5.53	5.50	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

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- 6XD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-6	103	6465	26T	0	-1.83	-1.58	1.31	-7.13	-5.82	24.00
				18	-1.95	-1.86	1.11	-7.13	-6.02	
				36	-1.79	-2.00	1.12	-7.13	-6.01	
			52T	37	1.30	1.55	4.44	-7.13	-2.69	
				45	1.25	1.30	4.29	-7.13	-2.84	
				52	1.37	1.21	4.30	-7.13	-2.83	
			106T	53	4.30	4.55	7.44	-7.13	0.31	
				57	3.88	4.25	7.08	-7.13	-0.05	
				60	3.80	4.01	6.92	-7.13	-0.21	
			242T	61	7.20	7.33	10.28	-7.13	3.15	
				62	7.21	7.38	10.31	-7.13	3.18	
				64	7.20	7.30	10.26	-7.13	3.13	
			484T	65	8.21	8.78	11.51	-7.13	4.38	
				66	8.21	8.72	11.48	-7.13	4.35	
				SU	-	7.75	8.30	11.04	-7.13	3.91

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

- 6CD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-7	151	6705	26T	0	10.82	10.70	13.77	-7.82	5.95	30.00
				18	10.62	10.56	13.60	-7.82	5.78	
				36	10.48	10.45	13.48	-7.82	5.66	
			52T	37	10.93	10.81	13.88	-7.82	6.06	
				45	10.80	10.73	13.78	-7.82	5.96	
				52	10.60	10.61	13.62	-7.82	5.80	
			106T	53	10.72	10.71	13.73	-7.82	5.91	
				57	10.74	10.68	13.72	-7.82	5.90	
				60	10.55	10.50	13.54	-7.82	5.72	
			242T	61	10.68	10.59	13.65	-7.82	5.83	
				62	10.64	10.53	13.60	-7.82	5.78	
				64	10.54	10.43	13.50	-7.82	5.68	
			484T	65	10.61	10.49	13.56	-7.82	5.74	
				66	10.53	10.40	13.48	-7.82	5.66	
				SU	-	10.45	10.34	13.41	-7.82	5.59

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

- 6XD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-7	119	6545	26T	0	-1.74	-2.38	0.96	-7.82	-6.86	24.00
				18	-1.72	-2.42	0.95	-7.82	-6.87	
				36	-1.52	-2.41	1.07	-7.82	-6.75	
			52T	37	1.53	0.91	4.24	-7.82	-3.58	
				45	1.50	0.78	4.17	-7.82	-3.65	
				52	1.64	0.79	4.25	-7.82	-3.57	
			106T	53	4.70	3.92	7.34	-7.82	-0.48	
				57	4.50	3.46	7.02	-7.82	-0.80	
				60	4.32	3.36	6.88	-7.82	-0.94	
			242T	61	7.33	7.27	10.31	-7.82	2.49	
				62	7.28	7.25	10.28	-7.82	2.46	
				64	7.30	7.26	10.29	-7.82	2.47	
			484T	65	8.29	8.28	11.30	-7.82	3.48	
				66	8.32	8.29	11.32	-7.82	3.50	
			SU	-	7.85	7.84	10.86	-7.82	3.04	
	151	6705	26T	0	-2.37	-1.57	1.06	-7.82	-6.76	
				18	-2.41	-1.78	0.93	-7.82	-6.89	
				36	-2.38	-1.86	0.90	-7.82	-6.92	
			52T	37	0.80	1.51	4.18	-7.82	-3.64	
				45	0.78	1.35	4.08	-7.82	-3.74	
				52	0.90	1.30	4.11	-7.82	-3.71	
			106T	53	4.19	4.72	7.47	-7.82	-0.35	
				57	4.04	4.60	7.34	-7.82	-0.48	
				60	3.74	4.48	7.14	-7.82	-0.68	
			242T	61	7.10	7.66	10.40	-7.82	2.58	
				62	7.12	7.67	10.41	-7.82	2.59	
				64	6.97	7.57	10.29	-7.82	2.47	
			484T	65	8.04	8.75	11.42	-7.82	3.60	
				66	7.93	8.67	11.33	-7.82	3.51	
			SU	-	7.50	8.28	10.92	-7.82	3.10	
	183	6865	26T	0	-2.41	-1.37	1.15	-7.82	-6.67	
				18	-2.25	-1.56	1.12	-7.82	-6.70	
				36	-2.03	-1.78	1.11	-7.82	-6.71	
			52T	37	0.35	1.46	3.95	-7.82	-3.87	
				45	0.50	1.09	3.82	-7.82	-4.00	
				52	0.65	0.85	3.76	-7.82	-4.06	
			106T	53	4.37	4.16	7.28	-7.82	-0.54	
				57	4.31	4.08	7.21	-7.82	-0.61	
				60	4.24	3.90	7.08	-7.82	-0.74	
			242T	61	7.45	7.15	10.31	-7.82	2.49	
				62	7.47	7.07	10.28	-7.82	2.46	
				64	7.32	6.87	10.11	-7.82	2.29	
			484T	65	8.61	8.20	11.42	-7.82	3.60	
				66	8.60	8.01	11.33	-7.82	3.51	
			SU	-	8.08	7.62	10.87	-7.82	3.05	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

- 6XD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-8	199	6945	26T	0	-2.82	-1.54	0.88	-7.18	-6.30	24.00
				18	-2.70	-1.97	0.69	-7.18	-6.49	
				36	-2.45	-2.31	0.63	-7.18	-6.55	
			52T	37	0.32	1.58	4.01	-7.18	-3.17	
				45	0.41	1.12	3.79	-7.18	-3.39	
				52	0.70	0.82	3.77	-7.18	-3.41	
			106T	53	3.73	4.78	7.30	-7.18	0.12	
				57	3.90	4.52	7.23	-7.18	0.05	
				60	3.78	4.28	7.05	-7.18	-0.13	
			242T	61	6.90	7.51	10.23	-7.18	3.05	
				62	6.95	7.39	10.19	-7.18	3.01	
				64	6.94	7.15	10.06	-7.18	2.88	
			484T	65	7.86	8.54	11.22	-7.18	4.04	
				66	7.90	8.31	11.12	-7.18	3.94	
			SU	-	7.50	7.99	10.76	-7.18	3.58	
	215	7025	26T	0	-2.97	-1.38	0.91	-7.18	-6.27	
				18	-2.68	-1.75	0.82	-7.18	-6.36	
				36	-2.30	-1.94	0.89	-7.18	-6.29	
			52T	37	0.42	1.83	4.19	-7.18	-2.99	
				45	0.68	1.43	4.08	-7.18	-3.10	
				52	0.98	1.25	4.13	-7.18	-3.05	
			106T	53	3.82	3.88	6.86	-7.18	-0.32	
				57	3.90	3.82	6.87	-7.18	-0.31	
				60	4.02	3.60	6.83	-7.18	-0.35	
			242T	61	6.98	6.88	9.94	-7.18	2.76	
				62	7.04	6.73	9.90	-7.18	2.72	
				64	7.20	6.55	9.90	-7.18	2.72	
			484T	65	7.91	7.92	10.93	-7.18	3.75	
				66	8.08	7.77	10.94	-7.18	3.76	
			SU	-	7.50	7.36	10.44	-7.18	3.26	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

PSD Results
- 6CD

Band	Channel	Freq. [MHz]	Tones	RU offset	Meas PSD [dBm/MHz]			DCCF	Direct. Gain [dBi]	Corr'd PSD e.i.r.p [dBm]	PSD e.i.r.p Limit [dBm/MHz]
					ANT1	ANT2	MIMO				
UNII-5	7	5985	26T	0	8.244	8.540	11.405	-	-5.53	5.875	17.00
				18	7.024	6.917	9.981	-	-5.53	4.451	
				36	8.538	8.195	11.380	-	-5.53	5.850	
			SU	-	-6.905	-6.915	-3.900	-	-5.53	-9.430	
	39	**6145**	**26T**	**0**	**8.716**	**8.696**	**11.716**	**-**	**-5.53**	**6.186**	
				18	8.131	7.678	10.921	-	-5.53	5.391	
				36	8.428	8.810	11.633	-	-5.53	6.103	
			SU	-	-6.387	-6.399	-3.383	-	-5.53	-8.913	
	87	6385	26T	0	8.532	8.391	11.472	-	-5.53	5.942	
				18	6.869	7.279	10.089	-	-5.53	4.559	
				36	8.370	8.670	11.533	-	-5.53	6.003	
			SU	-	-6.800	-6.573	-3.675	-	-5.53	-9.205	
UNII-7	151	6705	26T	0	8.508	8.966	11.753	-	-7.82	3.933	
				18	7.506	7.670	10.599	-	-7.82	2.779	
				36	8.077	8.931	11.535	-	-7.82	3.715	
			SU	-	-6.848	-6.031	-3.410	-	-7.82	-11.230	

* Corr'd PSD e.i.r.p = ANT1 Meas PSD + Ant2 Meas PSD + DCCF + Directional Gain

- 6XD

Band	Channel	Freq. [MHz]	Tones	RU offset	Meas PSD [dBm/MHz]			DCCF	Direct. Gain [dBi]	Corr'd PSD e.i.r.p [dBm]	PSD e.i.r.p Limit [dBm/MHz]
					ANT1	ANT2	MIMO				
UNII-5	7	5985	26T	0	-4.162	-5.830	-1.906	-	-5.53	-7.436	-1.00
				18	-5.776	-6.868	-3.277	-	-5.53	-8.807	
				36	-3.857	-6.156	-1.846	-	-5.53	-7.376	
			SU	-	-8.422	-9.206	-5.786	-	-5.53	-11.316	
	39	6145	26T	0	-4.493	-5.546	-1.977	-	-5.53	-7.507	
				18	-5.565	-7.682	-3.485	-	-5.53	-9.015	
				36	-4.164	-6.643	-2.219	-	-5.53	-7.749	
			SU	-	-8.740	-8.428	-5.571	-	-5.53	-11.101	
	87	**6385**	**26T**	**0**	**-4.249**	**-4.046**	**-1.136**	**-**	**-5.53**	**-6.666**	
				18	-5.630	-5.291	-2.447	-	-5.53	-7.977	
				36	-4.624	-4.704	-1.654	-	-5.53	-7.184	
			SU	-	-9.076	-7.904	-5.440	-	-5.53	-10.970	
UNII-6	103	6465	26T	0	-4.200	-4.656	-1.412	-	-7.13	-8.542	
				18	-5.226	-5.730	-2.460	-	-7.13	-9.590	
				36	-3.788	-4.602	-1.166	-	-7.13	-8.296	
			SU	-	-8.906	-7.559	-5.170	-	-7.13	-12.300	
UNII-7	119	6545	26T	0	-4.547	-5.070	-1.790	-	-7.82	-9.610	
				18	-5.042	-6.594	-2.739	-	-7.82	-10.559	
				36	-4.053	-4.972	-1.478	-	-7.82	-9.298	
			SU	-	-8.834	-8.898	-5.856	-	-7.82	-13.676	
	151	6705	26T	0	-4.373	-3.643	-0.982	-	-7.82	-8.802	
				18	-5.463	-5.192	-2.315	-	-7.82	-10.135	
				36	-4.780	-4.239	-1.491	-	-7.82	-9.311	
			SU	-	-9.112	-8.560	-5.817	-	-7.82	-13.637	
	183	6865	26T	0	-4.218	-3.606	-0.891	-	-7.82	-8.711	
				18	-5.348	-4.415	-1.846	-	-7.82	-9.666	
				36	-4.130	-3.893	-1.000	-	-7.82	-8.820	
			SU	-	-8.227	-9.144	-5.651	-	-7.82	-13.471	
UNII-8	199	6945	26T	0	-4.954	-4.149	-1.523	-	-7.18	-8.703	
				18	-5.532	-5.258	-2.383	-	-7.18	-9.563	
				36	-4.349	-4.273	-1.301	-	-7.18	-8.481	
			SU	-	-9.120	-8.737	-5.914	-	-7.18	-13.094	
	215	7025	26T	0	-4.702	-3.555	-1.080	-	-7.18	-8.260	
				18	-5.830	-4.742	-2.242	-	-7.18	-9.422	
				36	-4.198	-3.571	-0.863	-	-7.18	-8.043	
			SU	-	-9.059	-8.952	-5.995	-	-7.18	-13.175	

* Corr'd PSD e.i.r.p = ANT1 Meas PSD + Ant2 Meas PSD + DCCF + Directional Gain

10.1.5.　　802.11ax HE160 MODE

Output Power Results

- 6CD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-5	15	6025	26T	0L	10.36	10.12	13.25	-5.53	7.72	
				0U	10.55	10.50	13.54	-5.53	8.01	
				36U	10.52	10.72	13.63	-5.53	8.10	
			52T	37L	10.43	10.19	13.32	-5.53	7.79	
				37U	10.55	10.54	13.56	-5.53	8.03	
				52U	10.58	10.72	13.66	-5.53	8.13	
			106T	53L	10.56	10.33	13.46	-5.53	7.93	
				53U	10.58	10.63	13.62	-5.53	8.09	
				60U	101.62	10.85	13.75	-5.53	8.22	
			242T	61L	10.42	10.26	13.35	-5.53	7.82	
				61U	10.50	10.48	13.50	-5.53	7.97	
				64U	10.52	10.66	13.60	-5.53	8.07	
			484T	65L	10.40	10.24	13.33	-5.53	7.80	
				66L	10.43	10.37	13.41	-5.53	7.88	
				66U	10.50	10.60	13.56	-5.53	8.03	
			996T	67L	10.40	10.27	13.35	-5.53	7.82	
				67U	10.44	10.51	13.49	-5.53	7.96	
			SU	-	10.80	10.81	13.82	-5.53	8.29	
	47	6185	26T	0L	10.58	10.75	13.68	-5.53	8.15	30.00
				0U	10.42	10.45	13.45	-5.53	7.92	
				36U	10.40	10.36	13.39	-5.53	7.86	
			52T	37L	10.10	10.30	13.21	-5.53	7.68	
				37U	10.40	10.54	13.48	-5.53	7.95	
				52U	10.48	10.38	13.44	-5.53	7.91	
			106T	53L	10.20	10.42	13.32	-5.53	7.79	
				53U	10.44	10.60	13.53	-5.53	8.00	
				60U	10.50	10.52	13.52	-5.53	7.99	
			242T	61L	10.18	10.28	13.24	-5.53	7.71	
				61U	10.24	10.42	13.34	-5.53	7.81	
				64U	10.46	10.35	13.42	-5.53	7.89	
			484T	65L	10.16	10.30	13.24	-5.53	7.71	
				66L	10.24	10.38	13.32	-5.53	7.79	
				66U	10.42	10.37	13.41	-5.53	7.88	
			996T	67L	10.14	10.31	13.24	-5.53	7.71	
				67U	10.32	10.34	13.34	-5.53	7.81	
			SU	-	10.56	10.71	13.65	-5.53	8.12	
	79	6345	26T	0L	10.44	10.10	13.28	-5.53	7.75	
				0U	10.70	10.16	13.45	-5.53	7.92	
				36U	10.40	10.01	13.22	-5.53	7.69	
			52T	37L	10.55	10.20	13.39	-5.53	7.86	
				37U	10.70	10.20	13.47	-5.53	7.94	
				52U	10.48	10.03	13.27	-5.53	7.74	
			106T	53L	10.64	10.30	13.48	-5.53	7.95	
				53U	10.72	10.24	13.50	-5.53	7.97	
				60U	10.52	10.18	13.36	-5.53	7.83	
			242T	61L	10.55	10.17	13.37	-5.53	7.84	
				61U	10.52	10.05	13.30	-5.53	7.77	
				64U	10.48	10.04	13.28	-5.53	7.75	
			484T	65L	10.55	10.09	13.34	-5.53	7.81	
				66L	10.58	10.09	13.33	-5.53	7.80	
				66U	10.49	9.98	13.25	-5.53	7.72	
			996T	67L	10.52	10.06	13.31	-5.53	7.78	
				67U	10.48	9.99	13.25	-5.53	7.72	
			SU	-	10.90	10.39	13.66	-5.53	8.13	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]

Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

* HE160 = HE80L + HE80U

- 6XD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-5	15	6025	26T	0L	-2.33	-1.50	1.12	-5.53	-4.41	23.00
				0U	-1.83	-1.65	1.27	-5.53	-4.26	
				36U	-1.76	-2.67	0.82	-5.53	-4.71	
			52T	37L	0.69	1.51	4.13	-5.53	-1.40	
				37U	1.19	1.32	4.27	-5.53	-1.26	
				52U	1.29	0.37	3.86	-5.53	-1.67	
			106T	53L	3.65	4.40	7.05	-5.53	1.52	
				53U	3.96	4.51	7.25	-5.53	1.72	
				60U	4.15	4.47	7.32	-5.53	1.79	
			242T	61L	6.50	7.79	10.20	-5.53	4.67	
				61U	6.81	7.93	10.42	-5.53	4.89	
				64U	6.90	7.90	10.44	-5.53	4.91	
			484T	65L	7.18	8.64	10.98	-5.53	5.45	
				66L	7.40	8.66	11.09	-5.53	5.56	
				66U	7.66	8.65	11.19	-5.53	5.66	
			996T	67L	8.13	8.95	11.57	-5.53	6.04	
				67U	8.30	8.89	11.62	-5.53	6.09	
			SU	-	7.30	8.84	11.15	-5.53	5.62	
	47	6185	26T	0L	-2.36	-1.06	1.35	-5.53	-4.18	
				0U	-1.61	-1.53	1.44	-5.53	-4.09	
				36U	-1.77	-2.64	0.83	-5.53	-4.70	
			52T	37L	0.72	1.99	4.41	-5.53	-1.12	
				37U	1.48	1.56	4.53	-5.53	-1.00	
				52U	1.30	0.47	3.92	-5.53	-1.61	
			106T	53L	4.10	4.95	7.56	-5.53	2.03	
				53U	4.30	4.97	7.66	-5.53	2.13	
				60U	4.16	4.85	7.53	-5.53	2.00	
			242T	61L	6.55	7.40	10.01	-5.53	4.48	
				61U	6.68	7.36	10.04	-5.53	4.51	
				64U	6.70	7.36	10.05	-5.53	4.52	
			484T	65L	7.46	8.55	11.05	-5.53	5.52	
				66L	7.50	8.54	11.06	-5.53	5.53	
				66U	7.57	8.51	11.08	-5.53	5.55	
			996T	67L	7.36	7.90	10.65	-5.53	5.12	
				67U	7.40	7.85	10.64	-5.53	5.11	
			SU	-	8.78	8.66	11.73	-5.53	6.20	
	79	6345	26T	0L	-1.95	-2.59	0.75	-5.53	-4.78	
				0U	-1.59	-2.87	0.83	-5.53	-4.70	
				36U	-1.87	-3.48	0.41	-5.53	-5.12	
			52T	37L	1.20	0.53	3.89	-5.53	-1.64	
				37U	1.52	0.26	3.95	-5.53	-1.58	
				52U	1.18	-0.48	3.44	-5.53	-2.09	
			106T	53L	4.01	3.55	6.80	-5.53	1.27	
				53U	4.06	3.50	6.80	-5.53	1.27	
				60U	3.55	3.09	6.34	-5.53	0.81	
			242T	61L	6.43	7.13	9.80	-5.53	4.27	
				61U	6.40	7.15	9.80	-5.53	4.27	
				64U	6.40	7.17	9.81	-5.53	4.28	
			484T	65L	8.01	8.25	11.14	-5.53	5.61	
				66L	7.98	8.25	11.13	-5.53	5.60	
				66U	7.93	8.25	11.10	-5.53	5.57	
			996T	67L	7.91	8.15	11.04	-5.53	5.51	
				67U	7.82	8.10	10.97	-5.53	5.44	
			SU	-	7.80	8.15	10.99	-5.53	5.46	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain
* HE160 = HE80L + HE80U

- 6XD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-6	111	6505	26T	0L	-1.71	-2.51	0.92	-7.13	-6.21	24.00
				0U	-1.28	-2.21	1.29	-7.13	-5.84	
				36U	-1.35	-2.58	1.09	-7.13	-6.04	
			52T	37L	1.33	0.68	4.03	-7.13	-3.10	
				37U	1.70	0.93	4.34	-7.13	-2.79	
				52U	1.62	0.54	4.12	-7.13	-3.01	
			106T	53L	4.15	4.37	7.27	-7.13	0.14	
				53U	4.15	4.57	7.38	-7.13	0.25	
				60U	4.10	4.44	7.28	-7.13	0.15	
			242T	61L	6.84	7.28	10.08	-7.13	2.95	
				61U	6.86	7.36	10.13	-7.13	3.00	
				64U	6.80	7.34	10.09	-7.13	2.96	
			484T	65L	8.01	8.46	11.25	-7.13	4.12	
				66L	7.98	8.47	11.24	-7.13	4.11	
				66U	7.97	8.54	11.27	-7.13	4.14	
			996T	67L	7.86	8.39	11.14	-7.13	4.01	
				67U	7.81	8.40	11.13	-7.13	4.00	
				SU -	7.76	8.36	11.08	-7.13	3.95	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain
* HE160 = HE80L + HE80U

- 6CD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-7	143	6665	26T	0L	10.20	10.02	13.12	-7.82	5.30	30.00
				0U	10.10	10.21	13.17	-7.82	5.35	
				36U	9.72	9.86	12.80	-7.82	4.98	
			52T	37L	10.22	10.04	13.14	-7.82	5.32	
				37U	10.08	10.20	13.15	-7.82	5.33	
				52U	9.76	9.90	12.84	-7.82	5.02	
			106T	53L	10.26	10.14	13.21	-7.82	5.39	
				53U	10.14	10.28	13.22	-7.82	5.40	
				60U	9.90	10.03	12.98	-7.82	5.16	
			242T	61L	10.14	10.03	13.10	-7.82	5.28	
				61U	9.95	10.06	13.02	-7.82	5.20	
				64U	9.80	9.94	12.88	-7.82	5.06	
			484T	65L	10.08	9.96	13.03	-7.82	5.21	
				66L	10.02	10.03	13.04	-7.82	5.22	
				66U	9.80	9.91	12.87	-7.82	5.05	
			996T	67L	10.02	10.01	13.03	-7.82	5.21	
				67U	9.86	9.94	12.91	-7.82	5.09	
				SU -	10.35	10.36	13.37	-7.82	5.55	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain
* HE160 = HE80L + HE80U

- 6XD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-7	143	6665	26T	0L	-2.49	-1.64	0.97	-7.82	-6.85	23.00
				0U	-1.81	-1.29	1.47	-7.82	-6.35	
				36U	-2.04	-1.73	1.13	-7.82	-6.69	
			52T	37L	0.77	1.64	4.24	-7.82	-3.58	
				37U	1.30	1.81	4.57	-7.82	-3.25	
				52U	0.99	1.31	4.16	-7.82	-3.66	
			106T	53L	4.15	4.60	7.39	-7.82	-0.43	
				53U	4.17	4.65	7.43	-7.82	-0.39	
				60U	3.90	4.41	7.17	-7.82	-0.65	
			242T	61L	7.30	7.74	10.54	-7.82	2.72	
				61U	7.31	7.72	10.53	-7.82	2.71	
				64U	7.03	7.60	10.33	-7.82	2.51	
			484T	65L	8.60	8.96	11.79	-7.82	3.97	
				66L	8.57	8.93	11.76	-7.82	3.94	
				66U	8.30	8.88	11.61	-7.82	3.79	
			996T	67L	8.50	8.89	11.71	-7.82	3.89	
				67U	8.30	8.79	11.56	-7.82	3.74	
			SU	-	8.48	8.89	11.70	-7.82	3.88	
	175	6825	26T	0L	-2.27	-1.94	0.91	-7.82	-6.91	
				0U	-1.64	1.82	3.44	-7.82	-4.38	
				36U	-1.60	-2.65	0.92	-7.82	-6.90	
			52T	37L	0.90	1.29	4.11	-7.82	-3.71	
				37U	1.43	1.19	4.32	-7.82	-3.50	
				52U	1.42	0.33	3.92	-7.82	-3.90	
			106T	53L	4.54	4.46	7.51	-7.82	-0.31	
				53U	4.42	4.30	7.37	-7.82	-0.45	
				60U	4.32	4.15	7.25	-7.82	-0.57	
			242T	61L	7.74	7.59	10.68	-7.82	2.86	
				61U	7.52	7.38	10.46	-7.82	2.64	
				64U	7.50	7.05	10.29	-7.82	2.47	
			484T	65L	8.97	8.73	11.86	-7.82	4.04	
				66L	8.65	8.63	11.65	-7.82	3.83	
				66U	8.67	8.39	11.54	-7.82	3.72	
			996T	67L	8.74	8.61	11.69	-7.82	3.87	
				67U	8.58	8.33	11.47	-7.82	3.65	
			SU	-	8.66	8.52	11.60	-7.82	3.78	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain
* HE160 = HE80L + HE80U

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- 6XD

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-8	207	6985	26T	0L	-2.46	-1.27	1.19	-7.18	-5.99	24.00
				0U	-1.58	-1.53	1.46	-7.18	-5.72	
				36U	-1.37	-2.42	1.15	-7.18	-6.03	
			52T	37L	0.23	1.65	4.01	-7.18	-3.17	
				37U	0.98	1.10	4.05	-7.18	-3.13	
				52U	1.17	0.16	3.70	-7.18	-3.48	
			106T	53L	4.21	4.63	7.44	-7.18	0.26	
				53U	4.25	4.18	7.23	-7.18	0.05	
				60U	4.48	4.03	7.27	-7.18	0.09	
			242T	61L	7.30	7.62	10.47	-7.18	3.29	
				61U	7.40	7.21	10.32	-7.18	3.14	
				64U	7.60	6.93	10.29	-7.18	3.11	
			484T	65L	7.61	7.82	10.73	-7.18	3.55	
				66L	7.61	7.58	10.61	-7.18	3.43	
				66U	7.85	7.19	10.54	-7.18	3.36	
			996T	67L	8.40	8.57	11.50	-7.18	4.32	
				67U	8.52	8.11	11.33	-7.18	4.15	
			SU	-	8.50	8.11	11.32	-7.18	4.14	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain
* HE160 = HE80L + HE80U

PSD Results

-6CD

Band	Channel	Freq. [MHz]	Tones	RU offset	Meas PSD [dBm/MHz]			DCCF	Direct. Gain [dBi]	Corr'd PSD e.i.r.p [dBm]	PSD e.i.r.p Limit [dBm/MHz]
					ANT1	ANT2	MIMO				
UNII-5	15	6025	26T	0L	7.641	8.627	11.172	-	-5.53	5.642	17.00
				0U	8.238	8.309	11.284	-	-5.53	5.754	
				36U	8.907	8.565	11.750	-	-5.53	6.220	
			SU	-	-9.140	-8.929	-6.023	-	-5.53	-11.553	
	47	**6185**	**26T**	0L	7.881	9.078	11.531	-	-5.53	6.001	
				0U	**8.417**	**9.231**	**11.853**	**-**	**-5.53**	**6.323**	
				36U	8.677	8.976	11.839	-	-5.53	6.309	
			SU	-	-8.679	-8.857	-5.757	-	-5.53	-11.287	
	79	6345	26T	0L	7.487	8.455	11.008	-	-5.53	5.478	
				0U	7.774	8.975	11.426	-	-5.53	5.896	
				36U	7.280	8.022	10.677	-	-5.53	5.147	
			SU	-	-9.297	-9.279	-6.278	-	-5.53	-11.808	
UNII-7	143	6665	26T	0L	8.558	8.847	11.715	-	-7.82	3.895	
				0U	8.064	9.083	11.614	-	-7.82	3.794	
				36U	7.822	8.183	11.017	-	-7.82	3.197	
			SU	-	-9.058	-8.343	-5.676	-	-7.82	-13.496	

* Corr'd PSD e.i.r.p = ANT1 Meas PSD + Ant2 Meas PSD + DCCF + Directional Gain
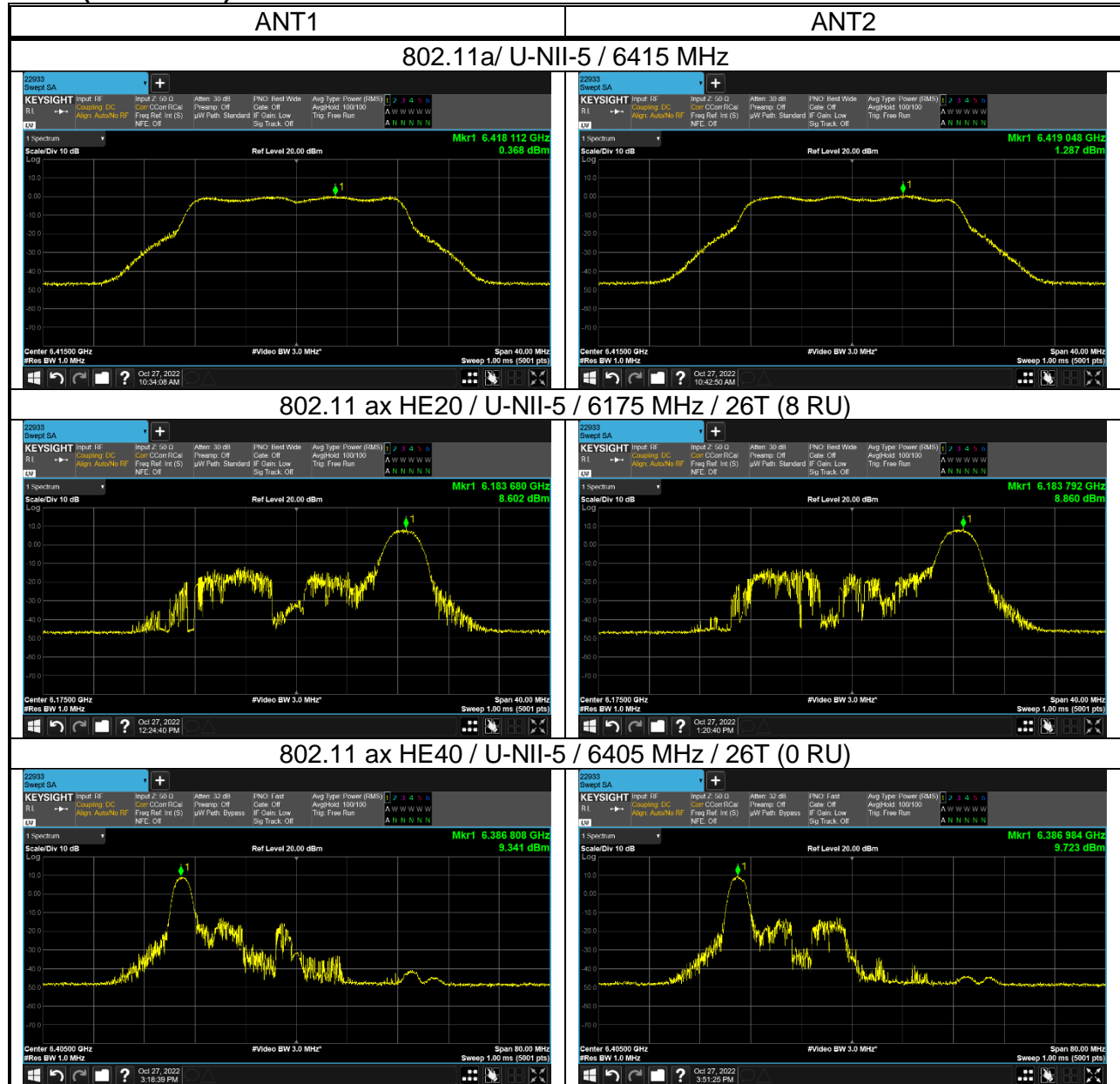* HE160 = HE80L + HE80U

-6XD

Band	Channel	Freq. [MHz]	Tones	RU offset	Meas PSD [dBm/MHz]			DCCF	Direct. Gain [dBi]	Corr'd PSD e.i.r.p [dBm]	PSD e.i.r.p Limit [dBm/MHz]
					ANT1	ANT2	MIMO				
UNII-5	15	6025	26T	0L	-5.426	-5.069	-2.234	-	-5.53	-7.764	-1.00
				0U	-4.318	-4.908	-1.593	-	-5.53	-7.123	
				36U	-3.732	-5.049	-1.330	-	-5.53	-6.860	
			SU	-	-12.018	-10.944	-8.438	-	-5.53	-13.968	
	47	**6185**	**26T**	0L	-5.001	-3.692	-1.287	-	-5.53	-6.817	
				0U	**-4.146**	**-4.059**	**-1.092**	**-**	**-5.53**	**-6.622**	
				36U	-4.238	-5.643	-1.874	-	-5.53	-7.404	
			SU	-	-10.802	-10.354	-7.562	-	-5.53	-13.092	
	79	6345	26T	0L	-4.883	-4.889	-1.876	-	-5.53	-7.406	
				0U	-4.077	-4.816	-1.421	-	-5.53	-6.951	
				36U	-3.636	-5.888	-1.607	-	-5.53	-7.137	
			SU	-	-11.945	-11.327	-8.615	-	-5.53	-14.145	
UNII-6	111	6505	26T	0L	-3.468	-4.363	-0.882	-	-7.13	-8.012	
				0U	-3.633	-4.286	-0.937	-	-7.13	-8.067	
				36U	-3.404	-4.873	-1.066	-	-7.13	-8.196	
			SU	-	-11.793	-11.020	-8.379	-	-7.13	-15.509	
UNII-7	143	6665	26T	0L	-4.267	-3.540	-0.878	-	-7.82	-8.698	
				0U	-4.116	-3.517	-0.796	-	-7.82	-8.616	
				36U	-3.982	-4.214	-1.086	-	-7.82	-8.906	
			SU	-	-11.233	-10.755	-7.977	-	-7.82	-15.797	
	175	6825	26T	0L	-4.085	-4.166	-1.115	-	-7.82	-8.935	
				0U	-3.839	-4.283	-1.045	-	-7.82	-8.865	
				36U	-4.182	-4.659	-1.404	-	-7.82	-9.224	
			SU	-	-10.714	-10.867	-7.780	-	-7.82	-15.600	
UNII-8	207	6985	26T	0L	-4.323	-4.107	-1.203	-	-7.18	-8.383	
				0U	-3.511	-4.140	-0.804	-	-7.18	-7.984	
				36U	-2.969	-4.929	-0.829	-	-7.18	-8.009	
			SU	-	-11.117	-10.853	-7.973	-	-7.18	-15.153	

* Corr'd PSD e.i.r.p = ANT1 Meas PSD + Ant2 Meas PSD + DCCF + Directional Gain
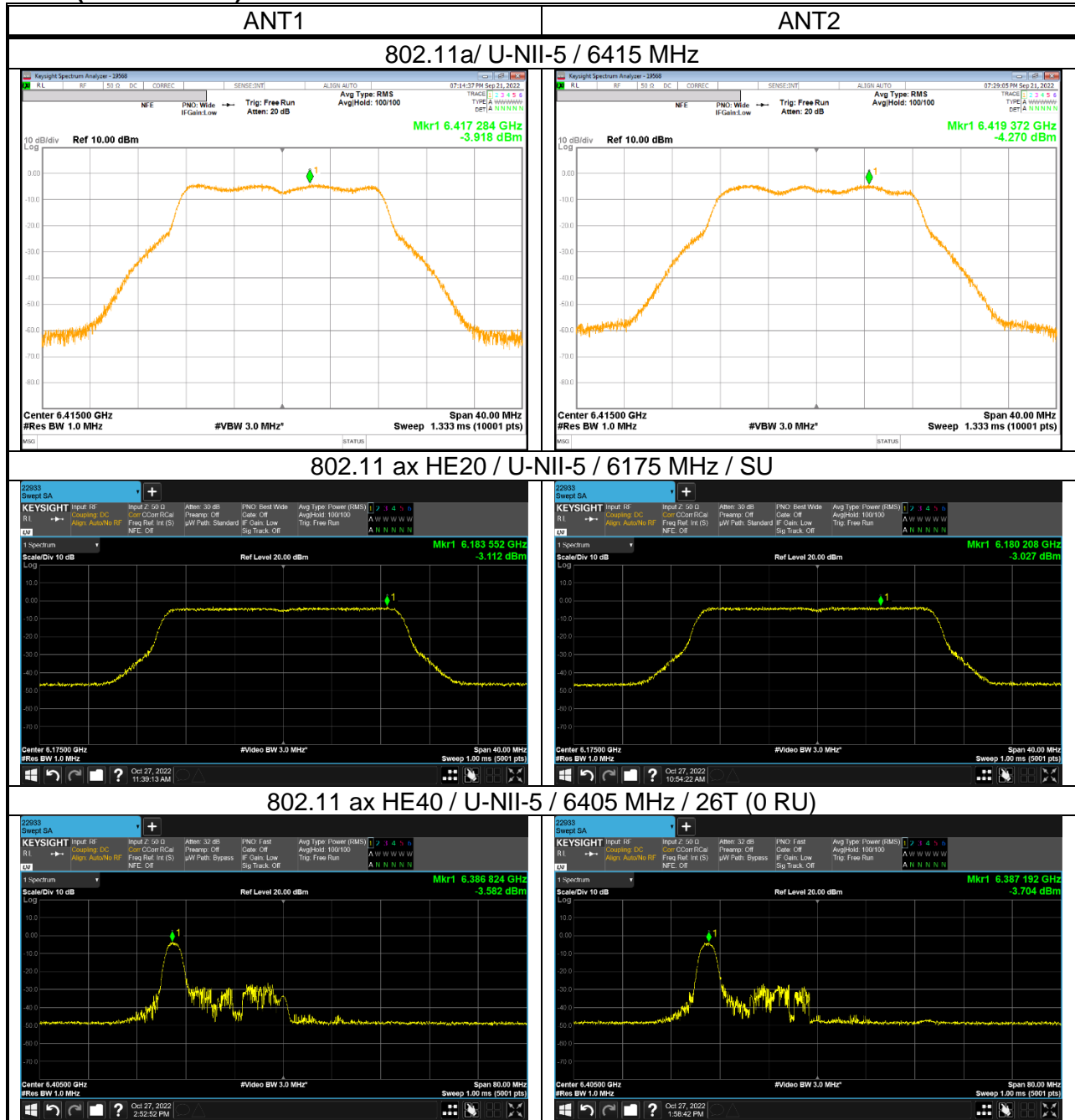* HE160 = HE80L + HE80U

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10.1.6.   PPSD PLOTS (WORST CASE)

UNII-5 & 6 & 7 & 8
- 6CD (Dual Client)

ANT1	ANT2
802.11a/ U-NII-5 / 6415 MHz	

802.11 ax HE20 / U-NII-5 / 6175 MHz / 26T (8 RU)	

802.11 ax HE40 / U-NII-5 / 6405 MHz / 26T (0 RU)	

ANT1	ANT2
802.11 ax HE80 / U-NII-5 / 6415 MHz / 26T (0 RU)	
802.11 ax HE160 / U-NII-5 / 6185 MHz / 26T (0U RU)	

- 6XD (Indoor Client)

ANT1	ANT2
802.11a/ U-NII-5 / 6415 MHz	
802.11 ax HE20 / U-NII-5 / 6175 MHz / SU	
802.11 ax HE40 / U-NII-5 / 6405 MHz / 26T (0 RU)	

ANT1	ANT2
802.11 ax HE80 / U-NII-5 / 6385 MHz / 26T (0 RU)	

802.11 ax HE160 / U-NII-5 / 6185 MHz / 26T (0U RU)	

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10.2.   IN-BAND EMISSIONS

LIMITS

FCC §15.407 (b) (7)

For transmitters operating within the 5.925-7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.
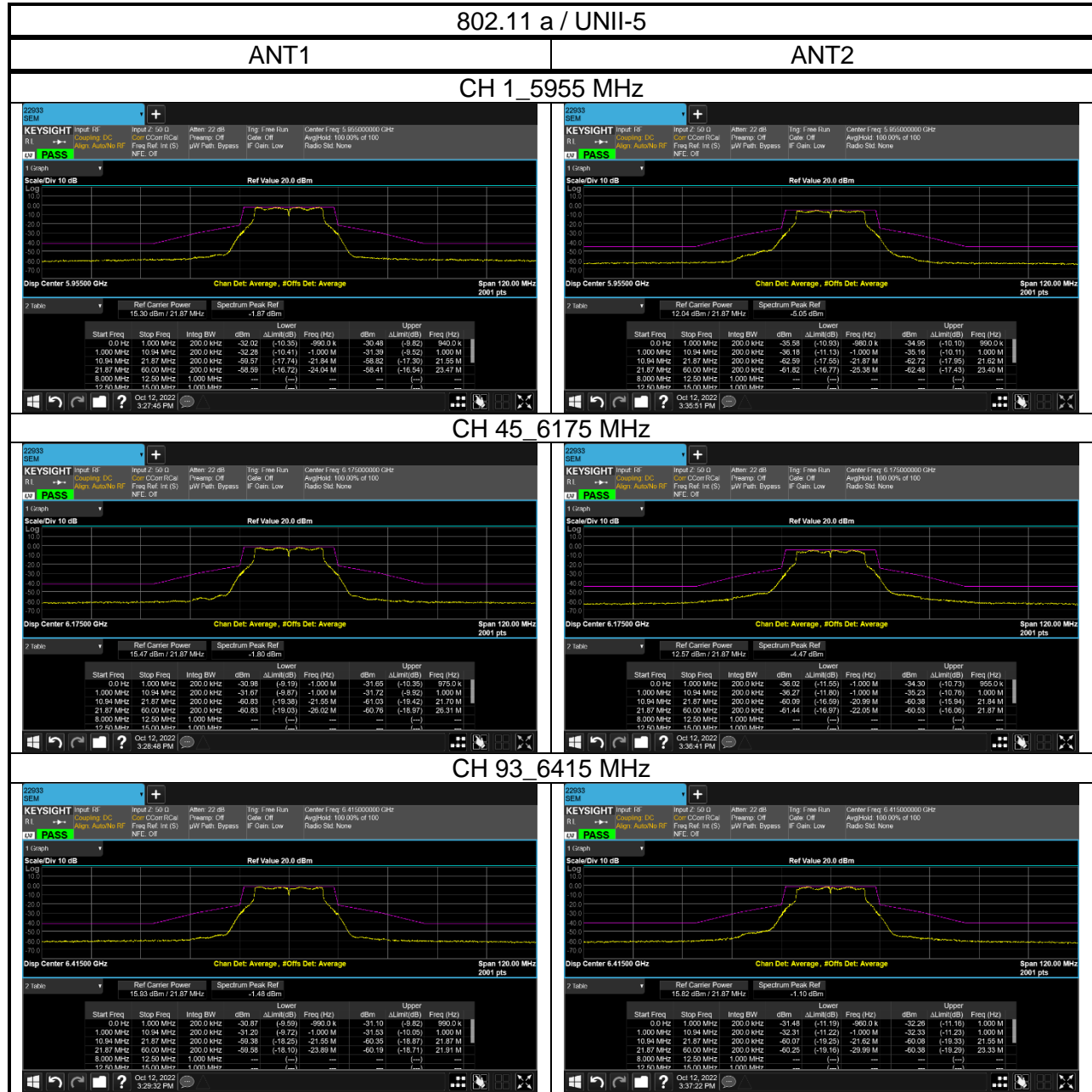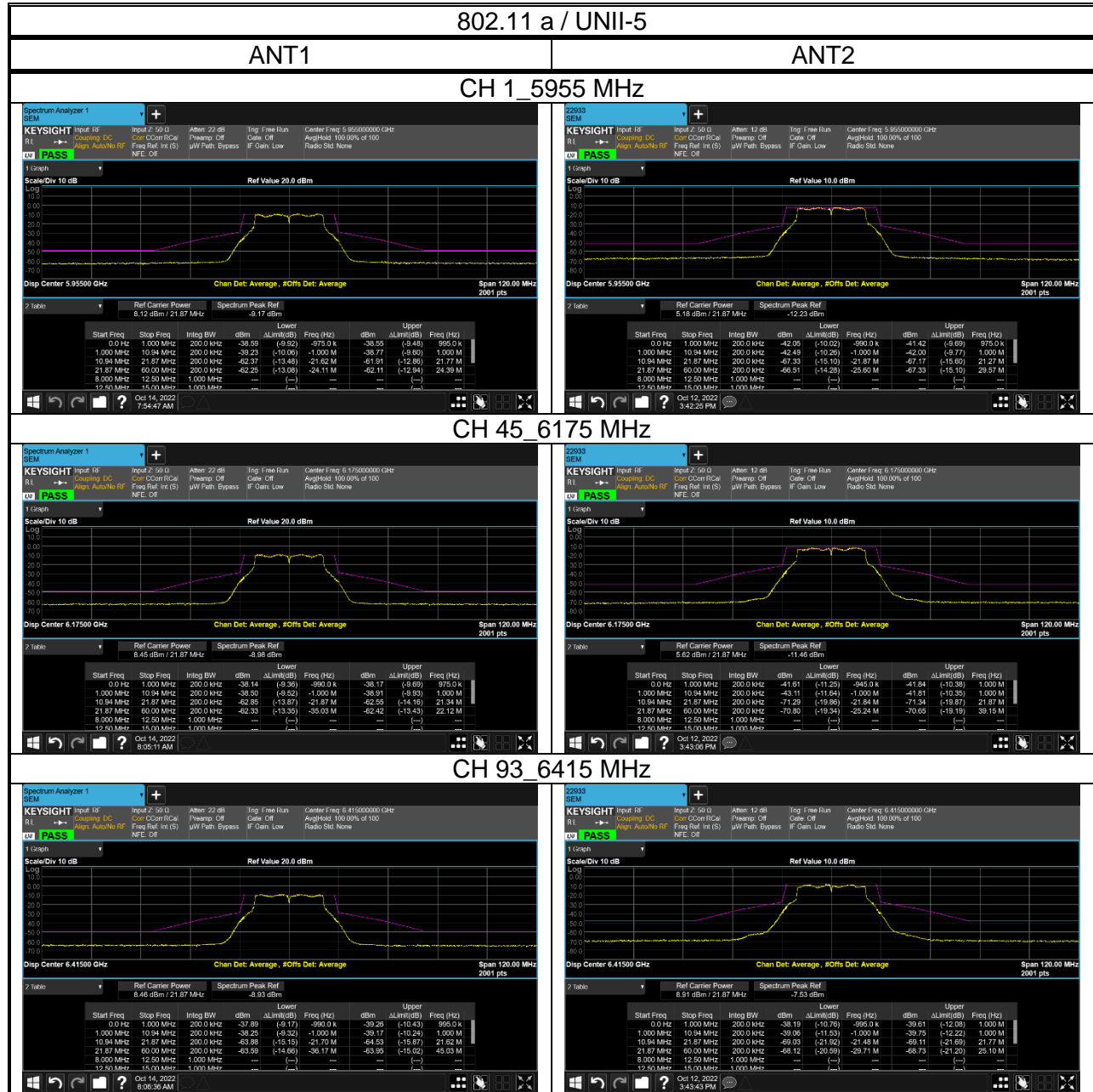
TEST PROCEDURE

KDB 987594 D02

1. Connect output of antenna port to a spectrum analyzer, with appropriate attenuation, as to not damage the instrumentation.
2. Test reference level of the measuring equipment in accordance with procedure 4.1.5.2 of ANSI C63.10-2013.
3. Measure the 26dB EBW using the test procedure 12.4.1 of ANSI C63.10-2013.
4. Measure the PSD (which will be used for emissions mask reference) using the following procedure:
   a) Set the span to encompass the entire 26 dB EBW of the signal.
   b) Set RBW = same RBW used for 26 dB EBW measurement.
   c) Set VBW $\geq$ 3 X RBW
   d) Number of points in sweep $\geq$ [2 X span / RBW].
   e) Sweep time = auto.
   f) Detector = RMS (i.e., power averaging)
   g) Trace average at least 100 traces in power averaging (rms) mode.
   h) Use the peak search function on the instrument to find the peak of the spectrum.
5. For the purposes of developing the emission mask, the channel bandwidth is defined as the 26 dB EBW.
6. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
   a) Suppressed by 20 dB at 1 MHz outside of the channel edge. (The channel edge is defined as the 26-dB point on either side of the carrier center frequency.)
   b) Suppressed by 28 dB at one channel bandwidth from the channel center.
   c) Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
7. Adjust the span to encompass the entire mask as necessary.
8. Clear trace.
9. Trace average at least 100 traces in power averaging (rms) mode.
10. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask.

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10.2.1. 802.11 a MODE

- 6CD

802.11 a / UNII-5	
ANT1	ANT2
CH 1_5955 MHz	
CH 45_6175 MHz	
CH 93_6415 MHz	

- 6XD

802.11 a / UNII-5	
ANT1	ANT2
CH 1_5955 MHz	
CH 45_6175 MHz	
CH 93_6415 MHz	

- 6XD

802.11 a / UNII-6	
ANT1	ANT2
CH 97_6435 MHz	

CH 105_6475 MHz	

CH 113 6515 MHz	

- 6CD

802.11 a / UNII-7	
ANT1	ANT2
CH 117_6535 MHz	
CH 149_6695 MHz	
CH 181 6855 MHz	