CERTIFICATION TEST REPORT

Report Number. : 4790841160-E9V3

Applicant	:	SAMSUNG ELECTRONICS CO., LTD. 129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO, 16677, KOREA
Model	:	SC-55D, SCG22
FCC ID	:	A3LSMF946JPN
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:
2023-07-10

Prepared by:
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IAS ACCREDITED
Testing Laboratory
TL-637

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	2023-06-30	Initial issue	Minju Cha
V2	2023-07-07	Updated to address TCB's question	Minju Cha
V3	2023-07-10	Updated to address TCB's question	Minju Cha

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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:	SC-55D, SCG22
SERIAL NUMBER:	6c4c5d98ba4c7eee, 723c6c5d0f4d7ece (CONDUCTED, Original); R3CW30K682H (RADIATED, Original); R3CW408V1CV, R3CW408V0PF, R3CW408V0XX (RADIATED, Spot-check);
DATE TESTED:	2023-03-22 ~ 2023-05-12 (Original); 2023-05-31 ~ 2023-06-30 (Spot-check);

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:

Seokhwan Hong
Suwon Lab Engineer
UL KOREA LTD.

Tested By:

Minju Cha
Suwon Lab Engineer
UL KOREA LTD.

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1.1. INTRODUCTION OF TEST DATA REUSE

This report referenced from the FCC ID: A3LSMF946U 6CD WLAN(FCC CFR 47 Part 15E). And the applicant takes full responsibility that the test data as referenced in this report represent compliance for this FCC ID.

1.2. DIFFERENCE

The A3LSMF946JPN model shares the same enclosure and circuit board as A3LSMF946U. The WLAN antennas and surrounding circuitry and layout are identical between these two units.

After confirming through preliminary radiated emissions that the performance of the A3LSMF946JPN remains representative of A3LSMF946U. The test data of A3LSMF946U being submitted for this application to cover WLAN features.

1.3. SPOT CHECK VERIFICATION DATA

(Worst case of the radiated band-edge and radiated spurious emissions)

Band	Test Item	Mode	Frequency	Test Limit	Original model	Spot check model	Deviation	Remark
					SM-F946U Results	SM-F946D Results		
					FCC ID : A3LSMF946U	FCC ID : A3LSMF946JPN		
6CD WLAN (6GHz)	BANDEDGE	802.11a ALL	5955 MHz	54 dBuV/m	44.20 dBuV/m	44.17 dBuV/m	-0.03 dB	
	RSE	802.11a ALL	8231 MHz	54 dBuV/m	45.85 dBuV/m	38.31 dBuV/m	-7.54 dB	
	RSE	802.11a ALL	8578 MHz	68.2 dBuV/m	49.81 dBuV/m	47.56 dBuV/m	-2.25 dB	
	RSE	802.11a ALL	8226 MHz	54 dBuV/m	47.39 dBuV/m	38.70 dBuV/m	-8.69 dB	
	BANDEDGE	802.11a ALL	7115 MHz	68 dBuV/m	63.63 dBuV/m	59.07 dBuV/m	-4.56 dB	
	RSE	802.11a ALL	17238 MHz	68.2 dBuV/m	55.37 dBuV/m	54.29 dBuV/m	-1.08 dB	Noise floor
	BANDEDGE	802.11ax HE160(SU) ALL	6025 MHz	68 dBuV/m	44.29 dBuV/m	43.91 dBuV/m	-0.38 dB	
	RSE	802.11ax HE20(26T RU4) ALL	8551 MHz	68.2 dBuV/m	50.15 dBuV/m	47.47 dBuV/m	-2.68 dB	Noise floor
	RSE	802.11ax HE20 SU ALL	8684 MHz	68.2 dBuV/m	49.31 dBuV/m	46.51 dBuV/m	-2.80 dB	Noise floor
	RSE	802.11ax HE160(26T RU36) ALL	16663 MHz	68.2 dBuV/m	54.53 dBuV/m	53.58 dBuV/m	-0.95 dB	Noise floor
	BANDEDGE	802.11ax HE20(SU) ALL	7115 MHz	68 dBuV/m	65.51 dBuV/m	58.55 dBuV/m	-6.96 dB	
	RSE	802.11ax HE20(SU) ALL	14230 MHz	68.2 dBuV/m	50.89 dBuV/m	50.07 dBuV/m	-0.82 dB	Noise floor

Comparison of two models, upper deviation is within 3 dB range and all test results are under FCC Technical Limits.

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1.4. REFERENCE DETAIL

Reference application that contains the reused reference data in the individual test reports:

Equipment Class	Reference FCC ID (Parent)	Application Type	Reference Test report number	Exhibit Type	Variant Test Report Number	Data Re-used
DTS	A3LSMF946U	Original Grant	4790748041-E8 (802.11b/g/n/ax)	Test Report	4790841160-E7 (802.11b/g/n/ax)	All
DSS	A3LSMF946U	Original Grant	4790748041-E10 (Bluetooth)	Test Report	4790841160-E6 (Bluetooth)	All
NII	A3LSMF946U	Original Grant	4790748041-E11 (802.11a/n/ac/ax)	Test Report	4790841160-E8 (802.11a/n/ac/ax)	All
6CD	A3LSMF946U	Original Grant	4790748041-E12 (802.11a/n/ac/ax)	Test Report	4790841160-E9 (802.11a/n/ac/ax)	All
DCD	A3LSMF946U	Original Grant	4790748041-E14 (WPT)	Test Report	4790841160-E11 (WPT)	All
UWB	A3LSMF946U	Original Grant	4790748041-E15 (UWB)	Test Report	4790841160-E12 (UWB)	All

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 484596 D01 Referencing Test Data v0
6. KDB 662911 D01 v02r01
7. 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.

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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

AC Corrected Reading (dBuV) = Measured Voltage (dBuV) + Extension Cord Loss (dB) + Cable Loss (dB)
44.72 dBuV = 34.72 dBuV + 9.9 dB + 0.1 dB

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	2.80 dB
Radiated Disturbance, 9 kHz to 30 MHz	1.69 dB
Radiated Disturbance, 30 MHz to 1 GHz	3.92 dB
Radiated Disturbance, 1 GHz to 18 GHz	5.06 dB
Radiated Disturbance, Above 18 GHz	6.02 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 115:2021.

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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 WLAN operational mode.

Representative model	Difference	Derivative model
		SCG22
SC-55D	Hardware	SC-55D BT/WIFI IC and layout is same as SM-F946U.
	Software	Supported WWAN Band is different.

Thus, SC-55D was set for final test.

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 '4790748041-E11 FCC Report UNII(a,n,ac,ax) WLAN'
6E Tx power is lower than 5GHz. Therefore, 5GHz set for final test.

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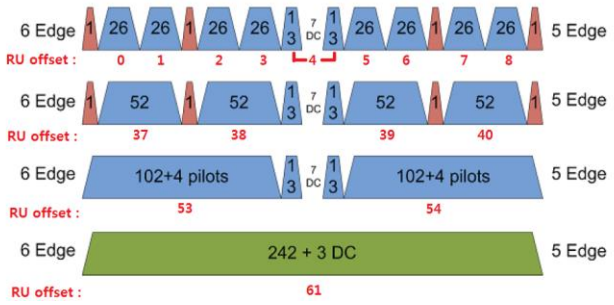
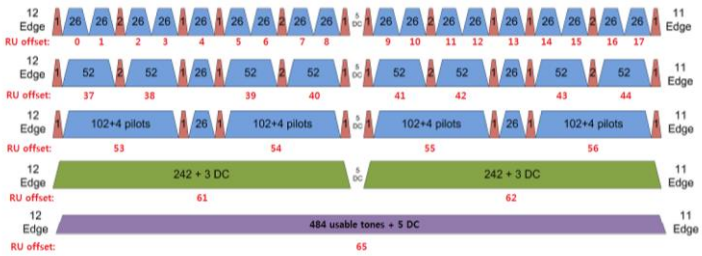
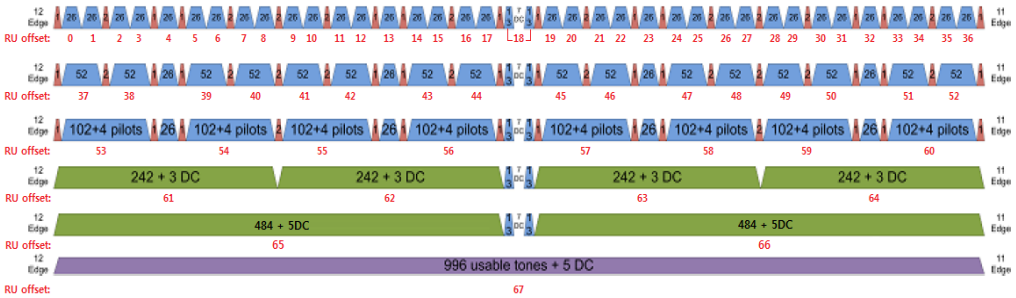
802.11ax RU allocations



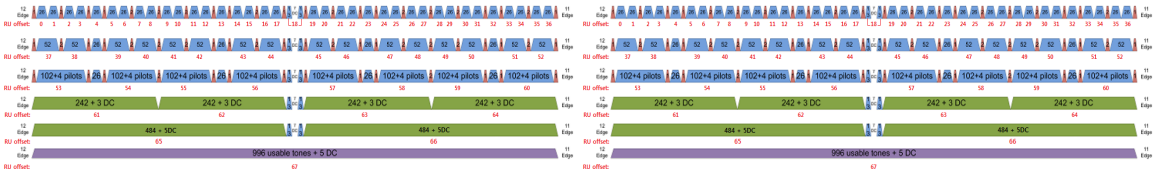
- HE 20 Mode -



- HE 40 Mode -



- HE 80 Mode -



- HE 160 Mode -

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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) 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)

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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]	e.i.r.p [dBm]	e.i.r.p [mW]
UNII-5 note1	5955 – 6415	802.11a MIMO	12.10	16.22	8.65	7.33
		802.11ax(HE20) MIMO	12.19	16.56	8.74	7.48
		802.11ax(HE40) MIMO	12.30	16.98	8.85	7.67
		802.11ax(HE80) MIMO	12.22	16.67	8.77	7.53
		802.11ax(HE160) MIMO	12.37	17.26	8.92	7.80
UNII-6	6435 – 6515	802.11a MIMO	12.13	16.33	8.53	7.13
		802.11ax(HE20) MIMO	12.29	16.94	8.69	7.40
		802.11ax(HE40) MIMO	12.17	16.48	8.57	7.19
		802.11ax(HE80) MIMO	12.47	17.66	8.87	7.71
		802.11ax(HE160) MIMO	12.29	16.94	8.69	7.40
UNII-7 note1	6535 – 6875	802.11a MIMO	12.29	16.94	8.82	7.62
		802.11ax(HE20) MIMO	12.64	18.37	9.17	8.26
		802.11ax(HE40) MIMO	12.25	16.79	8.78	7.55
		802.11ax(HE80) MIMO	12.65	18.41	9.18	8.28
		802.11ax(HE160) MIMO	12.57	18.07	9.10	8.13
UNII-8	6895 - 7115	802.11a MIMO	12.19	16.56	8.21	6.62
		802.11ax(HE20) MIMO	12.26	16.83	8.28	6.73
		802.11ax(HE40) MIMO	12.26	16.83	8.28	6.73
		802.11ax(HE80) MIMO	12.36	17.22	8.38	6.89
		802.11ax(HE160) MIMO	12.40	17.38	8.42	6.95

Note1: Standard Power supported.

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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]
UNII 5 5925 – 6425	-7.52	-5.51	-3.45
UNII 6 6425 – 6525	-7.52	-5.79	-3.60
UNII 7 6525 – 6875	-7.47	-5.60	-3.47
UNII 8 6875 - 7125	-8.33	-5.83	-3.98

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.
Sample calculation for this device with $N_{ANT} = 2$
Correlated Directional gain = 10 log[$(10^{-7.52/20} + 10^{-5.51/20})^2 / 2$] = -3.45 dBi

Q5_NA Wi-Fi1" and "Q5_NA Wi-Fi2" as indicated in antenna specification are written as ANT1 and ANT2 in this report.

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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.

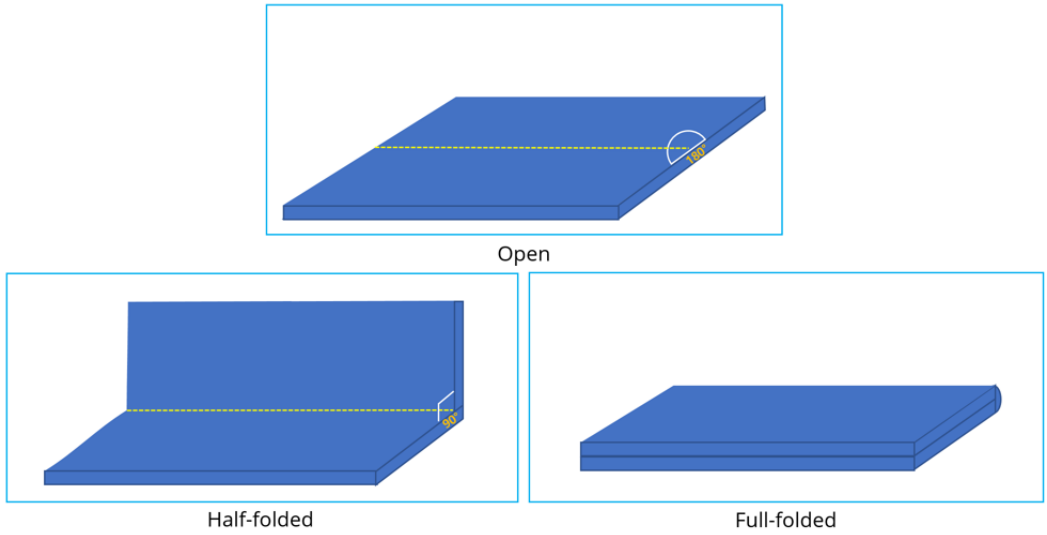
Radiated emission above 1GHz was performed with the EUT set to transmit low/mid/high channels.

i. Worst case of antenna axis:

MIMO
Y

ii. Foldable condition

MIMO
Open



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
	802.11ax HE160 mode: MCS0 2Tx

Radiation test for 802.11a & ax HE20 & HE40 & HE80 & HE 160 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.

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Test case configuration for 802.11a, 802.11ax HE20 & 40 & 80 & 160 (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	12	12	12	12
	UNII-6			12	12
	UNII-7	12	12	12	12
	UNII-8			12	12
6GHz (40 MHz)	UNII-5		12		12
	UNII-6				12
	UNII-7		12		12
	UNII-8				12
6GHz (80 MHz)	UNII-5		12		12
	UNII-6				12
	UNII-7		12		12
	UNII-8				12
6GHz (160 MHz)	UNII-5		12		12
	UNII-6				12
	UNII-7		12		12
	UNII-8				12

Band-Edge & Spurious Emission
Band-Edge & Spurious Emission Spot Check
Spurious Emission
Spot Check

Note 1. SISO mode is not supported.
Note 2. The target power for UNII-5 & UNII-7, dual client power is equal to indoor client power.
The same results were recorded in 6CD and 6XD (UNII-5 & UNII-7).
These results comply with both 6CD and 6XD requirements.

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

Band	Mode	Freq.	Tone	RU offset	Test Case MIMO
UNII-5	HE20	6415	26T	0	-
				4	O
				8	-
UNII-6	HE20	6515	SU	-	O
UNII-7	HE20	6695	26T	0	O
				4	-
				8	-
	HE40	6565	26T	0	O
				9	-
				17	-
	HE80	6705	26T	0	O
				18	-
				36	-
	HE160	6665	26T	0L	-
				0U	-
				36U	O
UNII-8	HE20	7115	SU	-	O

Note1. Radiated spurious test was performed with worst power density Tone & RU offset.
Note2. Spot-check test was performed in HE40, HE80, HE160 modes. Because lower than power density of HE20.

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5.4. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	**Manufacturer**	**Model**	**Serial Number**	**FCC ID**
Charger	SAMSUNG	EP-TA800	R37N9QP4SL9DK3	N/A
Data Cable	SAMSUNG	WBR0062M	GH39-02112A	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 in hidden menu exercised the EUT to enable NII mode.

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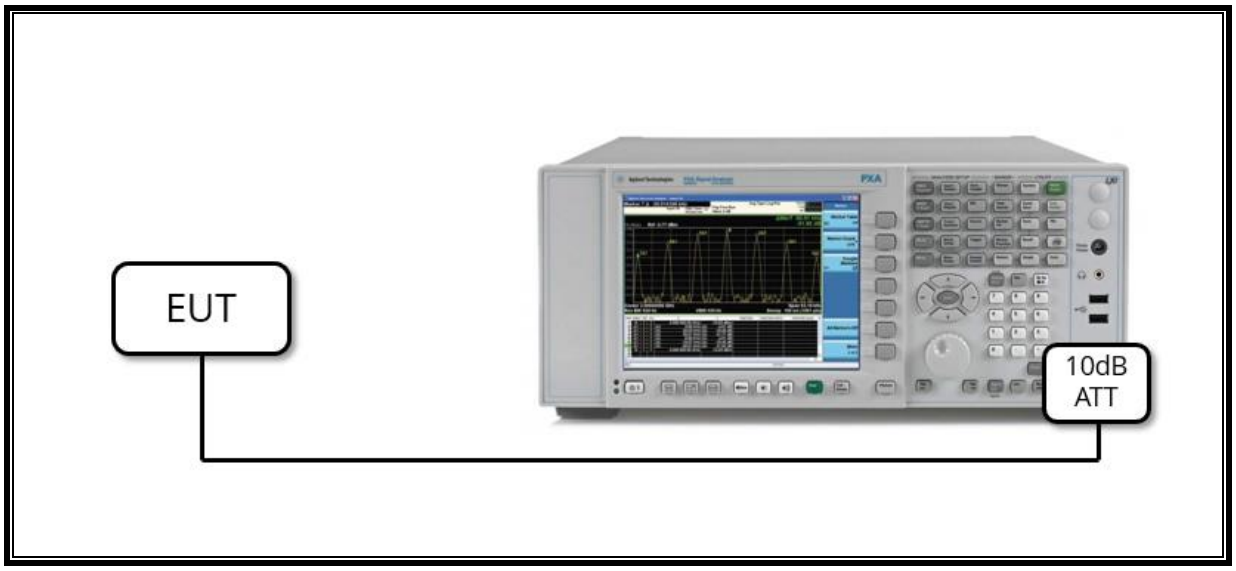
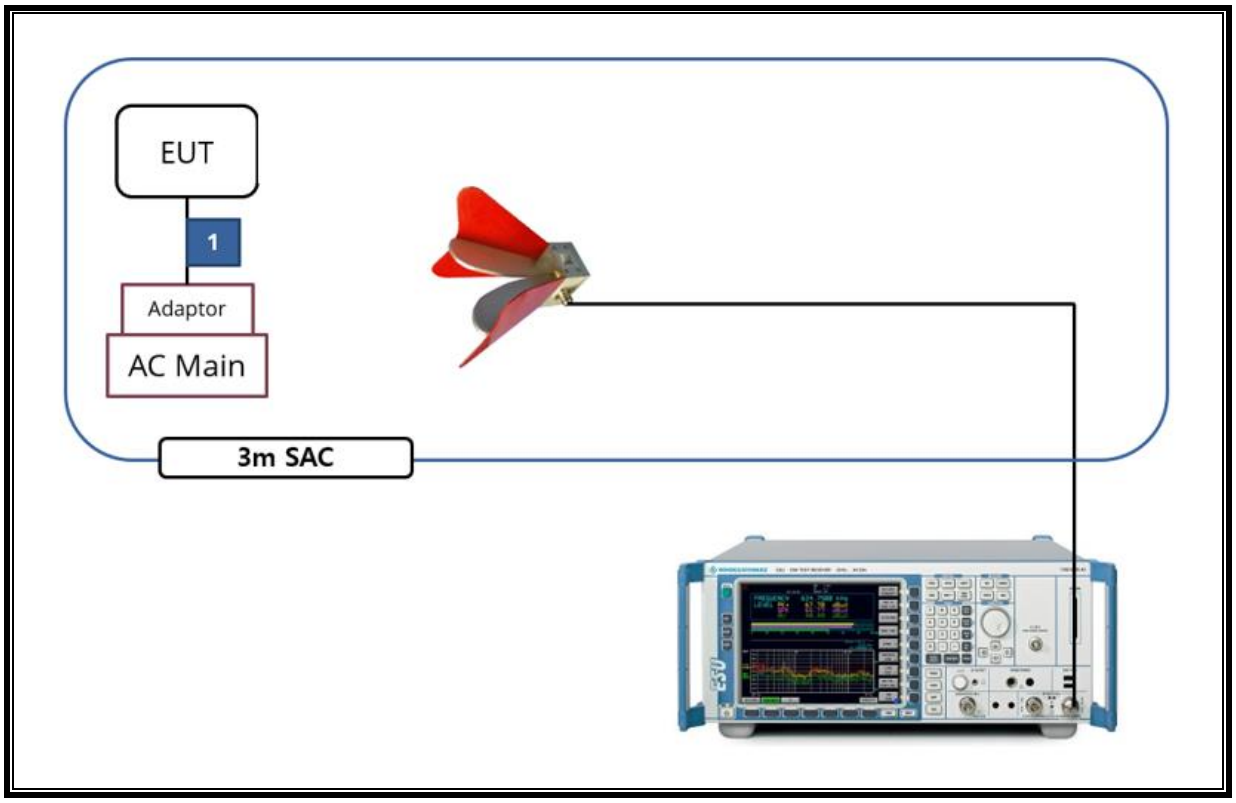
SETUP DIAGRAM FOR TESTS (CONDUCTED TEST SETUP)



SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP)



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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	2025-01-08
Antenna, Horn, 40 GHz	ETS	3116C	00166155	2024-08-02
Antenna, Horn, 40 GHz	ETS	3116C	00168645	2023-10-13
Preamplifier	ETS	3115-PA	00167475	2023-08-04
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	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	2024-01-09
Spectrum Analyzer, 44 GHz	KEYSIGHT	N9040B	MY60080268	2024-01-09
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	2024-01-05
High Pass Filter 7.2 GHz	Micro-Tronics	HPM50107	G062	2024-01-05
High Pass Filter 7.2 GHz	Micro-Tronics	HPM50107	G063	2024-01-05
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	

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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	Complies
2.1046 15.407(a)(1)	TX Cond. Power	N/A		Complies
15.407(a)(8)	Maximum Power Spectral Density	< -1dBm/MHz e.i.r.p		Complies
15.407(a)(8)	Maximum Radiated Output Power	< 24 dBm over the frequency band of operation		Complies
15.407(b)(7)	In-band Emissions	EUT must meet the limits detailed in 15.407(b)(7)		Complies
15.407(d)(6)	Contention Based Protocol	EUT must detect AWGN signal with 90% (or better) certainty		Complies
15.407(b)(9)	AC Power Line conducted emissions	< FCC 15.207 lmits		Complies
15.407(b)(6)	Undesirable Emissions	< -27 dBm/MHz e.i.r.p outside of the 5.925 – 7.125 GHz Band	Radiated	Complies
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		Complies

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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.

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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	2.828	2.926	0.97	96.65	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	2.594	2.613	0.99	99.27	0.00
		52T	2.589	2.612	0.99	99.12	0.00
		106T	2.434	2.452	0.99	99.27	0.00
		SU	5.440	5.459	1.00	99.65	0.00
802.11ax HE40	MIMO	26T	2.559	2.594	0.99	98.65	0.00
		52T	2.559	2.608	0.98	98.12	0.00
		106T	2.415	2.461	0.98	98.13	0.00
		242T	2.371	2.408	0.98	98.46	0.00
		SU	5.388	5.450	0.99	98.86	0.00
802.11ax HE80	MIMO	26T	2.563	2.612	0.98	98.12	0.00
		52T	2.558	2.608	0.98	98.08	0.00
		106T	2.400	2.446	0.98	98.12	0.00
		242T	2.369	2.399	0.99	98.75	0.00
		484T	2.380	2.400	0.99	99.17	0.00
		SU	5.438	5.466	0.99	99.49	0.00
802.11ax HE160	MIMO	26T	2.558	2.610	0.98	98.01	0.00
		52T	2.558	2.608	0.98	98.08	0.00
		106T	2.403	2.452	0.98	98.00	0.00
		242T	2.388	2.404	0.99	99.33	0.00
		484T	2.367	2.400	0.99	98.63	0.00
		996T	2.417	2.458	0.98	98.33	0.00
		SU	5.441	5.459	1.00	99.67	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.

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9.2. DUTY CYCLE PLOTS

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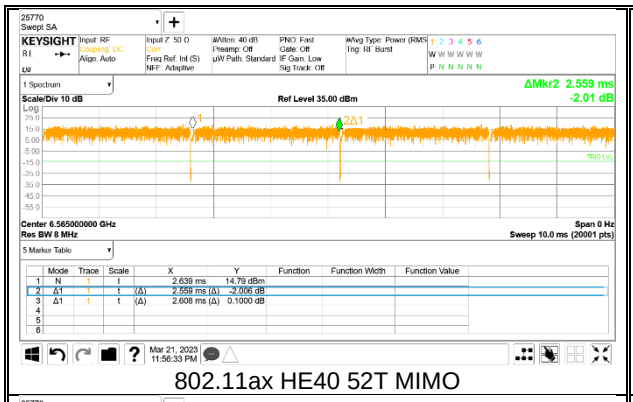
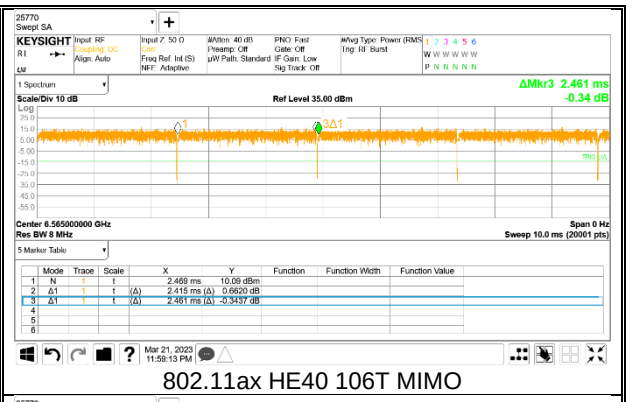
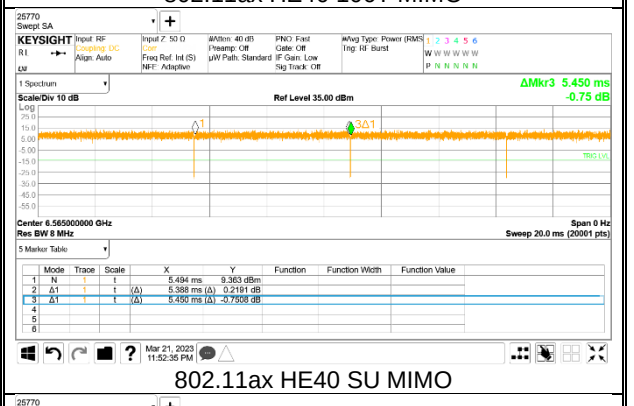


802.11ax HE40 52T MIMO



802.11ax HE40 106T MIMO

802.11ax HE40 242T MIMO



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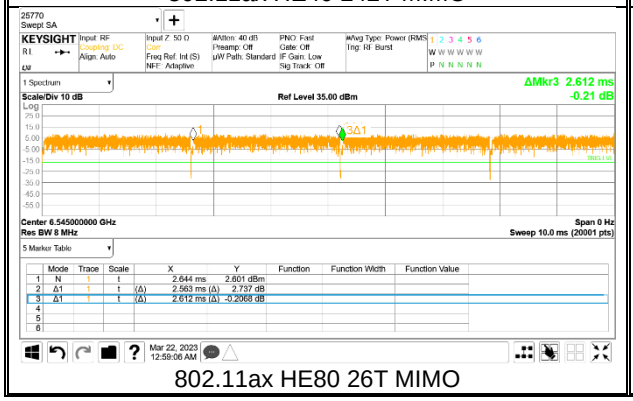
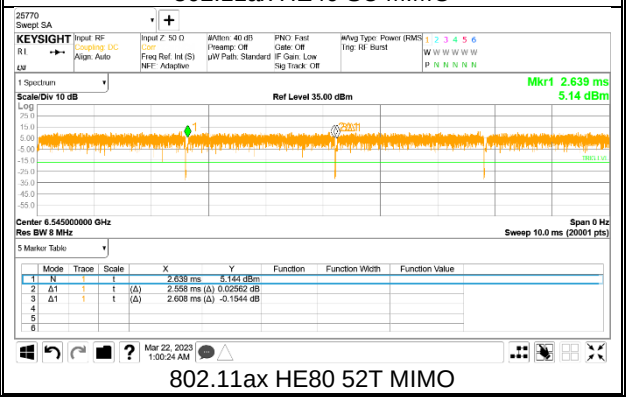


802.11ax HE80 26T MIMO



802.11ax HE80 52T MIMO

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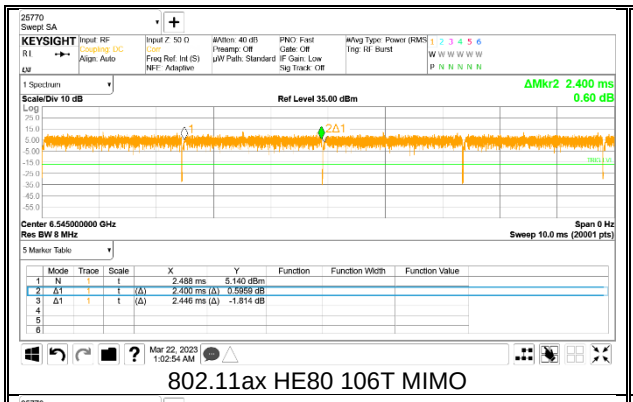
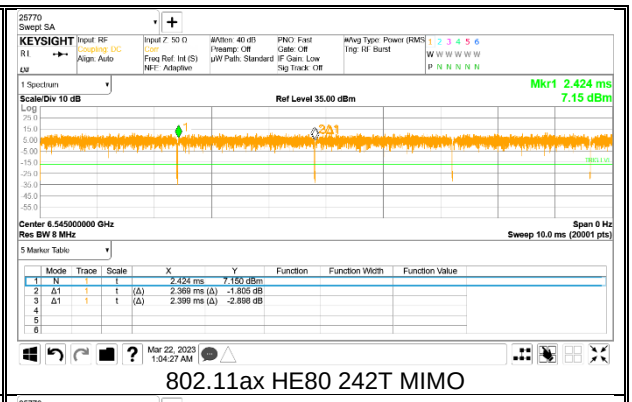
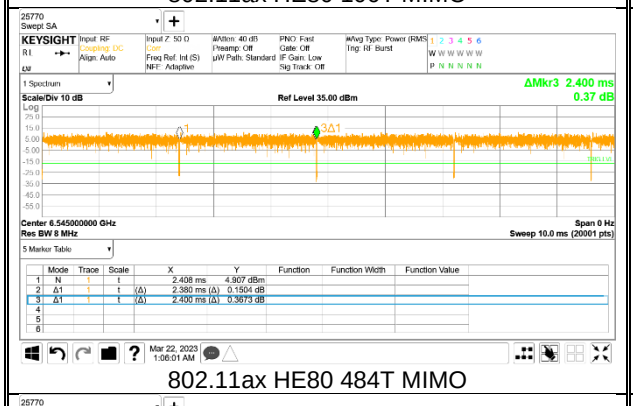


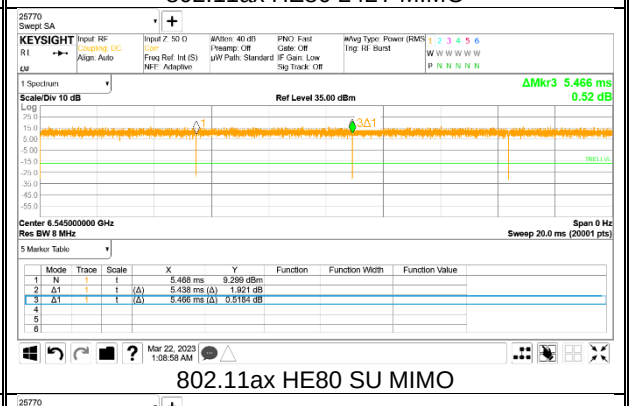
802.11ax HE80 106T MIMO



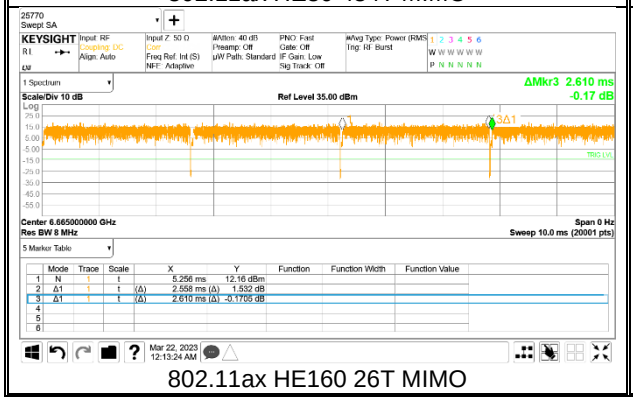
802.11ax HE80 242T MIMO



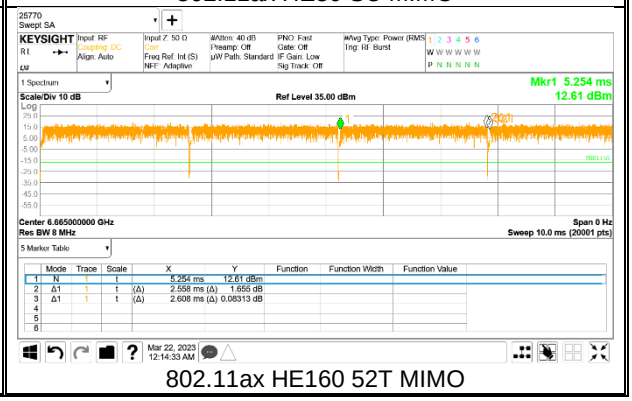
802.11ax HE80 484T MIMO



802.11ax HE80 SU MIMO



802.11ax HE160 26T MIMO



802.11ax HE160 52T MIMO

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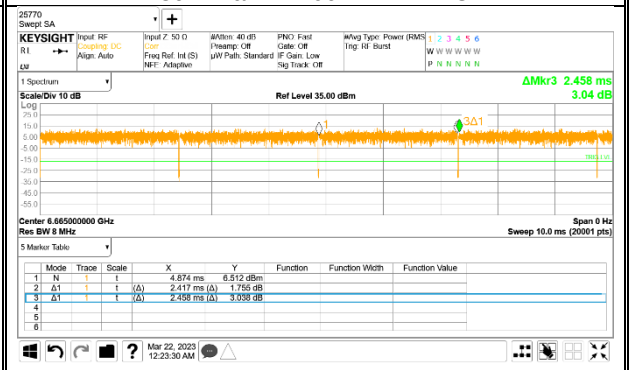
802.11ax HE160 106T MIMO

802.11ax HE160 242T MIMO

802.11ax HE160 484T MIMO



802.11ax HE160 996T MIMO

802.11ax HE160 SU MIMO

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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

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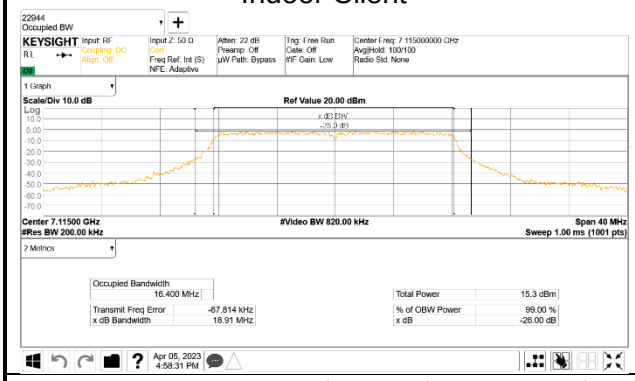
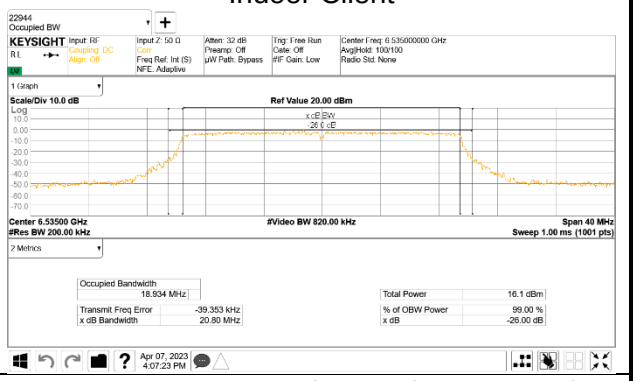
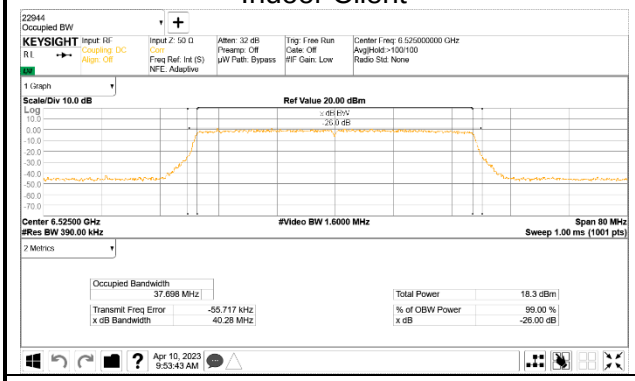
802.11a / ANT1 / 7115 MHz / Indoor Client



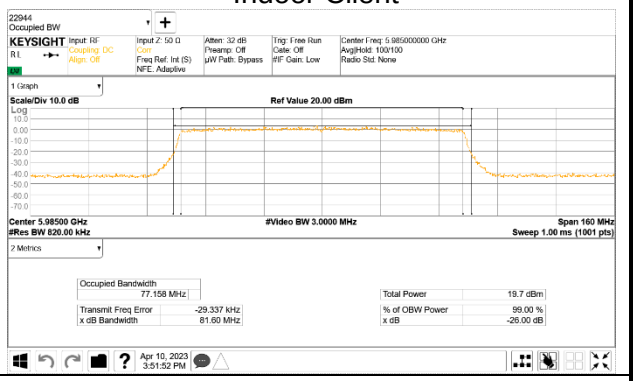
802.11ax HE20 SU / ANT1 / 6535 MHz / Indoor Client



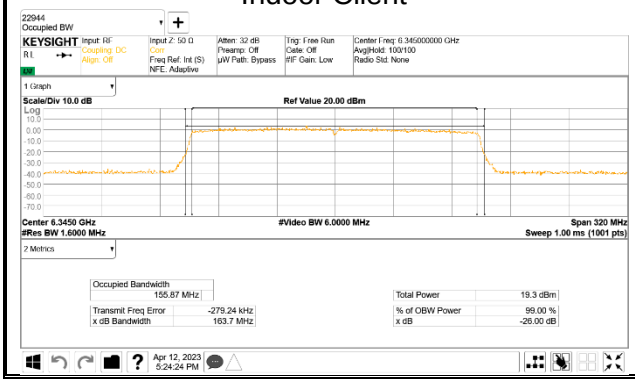
802.11ax HE40 SU / ANT2 / 6525 MHz / Indoor Client



802.11ax HE80 SU / ANT2 / 5985 MHz / Indoor Client



802.11ax HE160 SU / ANT2 / 6345 MHz / Indoor Client



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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	19.19	19.23	19.19	19.23	19.01	16.346	16.364	16.346	16.364
	45	6175	19.07	19.27	19.07	19.27		16.343	16.367	16.343	16.367
	93	6415	19.01	19.26	19.01	19.26		16.354	16.366	16.354	16.366
UNII-6	97	6435			19.19	19.25	19.01			16.346	16.359
	105	6475			19.01	19.20				16.351	16.363
	113	6515			19.18	19.33				16.359	16.365
UNII-7	117	6535	19.29	19.28	19.29	19.28	18.98	16.364	16.359	16.364	16.359
	149	6695	18.98	19.17	18.98	19.17		16.340	16.369	16.340	16.369
	181	6855	18.99	19.19				16.337	16.409		
	185	6875			19.07	19.28				16.339	16.369
UNII-8	189	6895			19.06	19.31	**18.91**			16.343	16.374
	209	6995			19.20	19.28				16.346	16.373
	233	7115			**18.91**	19.28				16.400	16.377

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	21.16	20.88	21.16	20.88	20.88	18.940	18.967	18.940	18.967
	45	6175	21.13	21.17	21.13	21.17		18.947	18.923	18.947	18.923
	93	6415	21.10	20.99	21.10	20.99		18.936	18.956	18.936	18.956
UNII-6	97	6435			21.08	21.14	20.99			18.944	18.915
	105	6475			21.21	20.99				18.968	18.941
	113	6515			21.32	21.07				18.932	18.932
UNII-7	117	6535	**20.80**	20.88	**20.80**	20.88	**20.80**	18.934	18.916	18.934	18.916
	149	6695	21.27	20.93	21.27	20.93		18.936	18.912	18.936	18.912
	181	6855	21.50	20.97				18.950	18.966		
	185	6875			21.29	20.92				18.916	18.919
UNII-8	189	6895			21.22	21.01	20.90			18.951	18.952
	209	6995			21.07	20.90				18.932	18.960
	233	7115			21.42	20.99				18.942	18.946

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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	40.68	40.53	40.68	40.53	40.47	37.731	37.728	37.731	37.728
	43	6165	40.47	40.70	40.47	40.70		37.738	37.742	37.738	37.742
	91	6405	41.01	40.49	41.01	40.49		37.720	37.718	37.720	37.718
UNII-6	99	6445			40.76	40.58	**40.28**			37.738	37.714
	115	6525			40.45	**40.28**				37.721	37.698
UNII-7	123	6565	40.73	40.62	40.73	40.62	40.47	37.715	37.698	37.715	37.698
	147	6685	40.96	40.47	40.96	40.47		37.707	37.711	37.707	37.711
	179	6845	40.51	40.68	40.51	40.68		37.737	37.698	37.737	37.698
UNII-8	187	6885			40.83	40.31	40.31			37.733	37.735
	203	6965			40.71	40.48				37.747	37.730
	227	7085			40.87	40.60				37.743	37.714

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	82.78	**81.60**	82.78	**81.60**	**81.60**	77.305	77.158	77.305	77.158
	39	6145	82.20	81.99	82.20	81.99		77.335	77.216	77.335	77.216
	87	6385	82.55	82.48	82.55	82.48		77.284	77.109	77.284	77.109
UNII-6	103	6465			81.94	82.22	81.94			77.267	77.205
UNII-7	119	6545			82.09	81.87	81.72			77.197	77.077
	135	6625	82.01	81.77				77.150	77.169		
	151	6705	82.00	82.08	82.00	82.08		77.323	77.307	77.323	77.307
	167	6785	82.17	81.72				77.212	77.177		
	183	6865			82.67	81.95				77.135	77.098
UNII-8	199	6945			82.53	81.87	81.83			77.313	77.271
	215	7025			82.35	81.83				77.270	77.037

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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	165.2	164.6	165.2	164.6	**163.7**	156.08	156.28	156.08	156.28
	47	6185	165.3	164.5	165.3	164.5		156.18	156.01	156.18	156.01
	79	6345	164.9	**163.7**	164.9	**163.7**		156.32	155.87	156.32	155.87
UNII-6	111	6505			165.6	165.0	165.0			156.40	156.02
UNII-7	143	6665	165.2	164.9	165.2	164.9	164.7	156.23	156.14	156.23	156.14
	175	6825			164.7	165.2				155.96	156.09
UNII-8	207	6985			165.6	164.3	164.3			156.34	155.86

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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]
UNII 5 5925 – 6425	-7.52	-5.51	-3.45
UNII 6 6425 – 6525	-7.52	-5.79	-3.60
UNII 7 6525 – 6875	-7.47	-5.60	-3.47
UNII 8 6875 - 7125	-8.33	-5.83	-3.98

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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	9.18	8.99	12.10	-3.45	8.65	30.00
	45	6175	9.33	8.22	11.82	-3.45	8.37	
	93	6415	9.71	8.11	11.99	-3.45	8.54	
UNII-7	117	6535	9.02	8.34	11.70	-3.47	8.23	
	149	6695	9.63	8.90	12.29	-3.47	8.82	
	181	6855	9.11	8.03	11.61	-3.47	8.14	

-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	9.18	8.99	12.10	-3.45	8.65	24.00
	45	6175	9.33	8.22	11.82	-3.45	8.37	
	93	6415	9.71	8.11	11.99	-3.45	8.54	
UNII-6	97	6435	9.67	8.50	12.13	-3.60	8.53	
	105	6475	9.01	8.12	11.60	-3.60	8.00	
	113	6515	8.88	8.40	11.66	-3.60	8.06	
UNII-7	117	6535	9.02	8.34	11.70	-3.47	8.23	
	149	6695	9.63	8.90	12.29	-3.47	8.82	
	185	6875	9.33	8.65	12.01	-3.47	8.54	
UNII-8	189	6895	9.35	8.89	12.14	-3.98	8.16	
	209	6995	9.27	8.82	12.06	-3.98	8.08	
	233	7115	9.27	9.09	12.19	-3.98	8.21	

* 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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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	-1.387	-2.126	1.269	0.15	-3.45	-2.031	17.00
	45	6175	-1.411	-2.689	1.007	0.15	-3.45	-2.293	
	93	6415	-0.976	-2.712	1.252	0.15	-3.45	-2.048	
UNII-7	117	6535	-1.880	-2.491	0.836	0.15	-3.47	-2.484	
	149	**6695**	**-0.912**	**-1.588**	**1.773**	**0.15**	**-3.47**	**-1.547**	
	181	6855	-1.482	-1.592	1.474	0.15	-3.47	-1.846	

- 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	-1.387	-2.126	1.269	0.15	-3.45	-2.031	-1.00
	45	6175	-1.411	-2.689	1.007	0.15	-3.45	-2.293	
	93	6415	-0.976	-2.712	1.252	0.15	-3.45	-2.048	
UNII-6	97	6435	-0.609	-2.359	1.614	0.15	-3.60	-1.836	
	105	6475	-1.469	-2.890	0.889	0.15	-3.60	-2.561	
	113	6515	-1.531	-2.505	1.020	0.15	-3.60	-2.430	
UNII-7	117	6535	-1.880	-2.491	0.836	0.15	-3.47	-2.484	
	149	**6695**	**-0.912**	**-1.588**	**1.773**	**0.15**	**-3.47**	**-1.547**	
	185	6875	-1.383	-1.224	1.708	0.15	-3.47	-1.612	
UNII-8	189	6895	-1.010	-1.251	1.881	0.15	-3.98	-1.949	
	209	6995	-1.357	-1.655	1.507	0.15	-3.98	-2.323	
	233	7115	-1.217	-1.207	1.798	0.15	-3.98	-2.032	

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

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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	9.11	9.15	12.14	-3.45	8.69	30.00
				4	8.74	8.77	11.77	-3.45	8.32	
				8	9.14	9.17	12.17	-3.45	8.72	
			52T	37	9.00	8.96	11.99	-3.45	8.54	
				38	8.80	8.70	11.76	-3.45	8.31	
				40	8.96	9.00	11.99	-3.45	8.54	
			106T	53	8.97	8.98	11.99	-3.45	8.54	
				54	8.98	8.99	12.00	-3.45	8.55	
			SU	-	8.87	8.83	11.86	-3.45	8.41	
	45	6175	26T	0	9.41	8.43	11.96	-3.45	8.51	
				4	9.35	8.63	12.02	-3.45	8.57	
				8	9.35	8.41	11.92	-3.45	8.47	
			52T	37	9.31	8.33	11.86	-3.45	8.41	
				38	9.44	8.84	12.16	-3.45	8.71	
				40	9.23	8.30	11.80	-3.45	8.35	
			106T	53	9.27	8.43	11.88	-3.45	8.43	
				54	9.20	8.31	11.79	-3.45	8.34	
			SU	-	9.51	8.45	12.02	-3.45	8.57	
	93	6415	26T	0	9.71	8.50	12.16	-3.45	8.71	
				4	9.75	8.51	12.18	-3.45	8.73	
				8	9.81	8.37	12.16	-3.45	8.71	
			52T	37	9.59	8.40	12.05	-3.45	8.60	
				38	9.40	8.08	11.80	-3.45	8.35	
				40	9.65	8.15	11.97	-3.45	8.52	
			106T	53	9.58	8.32	12.01	-3.45	8.56	
				54	9.63	8.18	11.98	-3.45	8.53	
			SU	-	9.83	8.42	12.19	-3.45	8.74	

* 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-5	1	5955	26T	0	-0.76	-1.11	2.08	-3.45	-1.37	24.00
				4	-0.68	-1.15	2.10	-3.45	-1.35	
				8	-0.82	-1.14	2.03	-3.45	-1.42	
			52T	37	1.42	0.84	4.15	-3.45	0.70	
				38	1.28	0.69	4.01	-3.45	0.56	
				40	1.36	0.81	4.10	-3.45	0.65	
			106T	53	4.99	5.09	8.05	-3.45	4.60	
				54	5.02	5.12	8.08	-3.45	4.63	
			SU	-	8.87	8.83	11.86	-3.45	8.41	
	45	6175	26T	0	-0.91	-1.35	1.89	-3.45	-1.56	
				4	-0.82	-1.38	1.92	-3.45	-1.53	
				8	-0.87	-1.35	1.91	-3.45	-1.54	
			52T	37	2.03	1.58	4.82	-3.45	1.37	
				38	2.27	1.87	5.08	-3.45	1.63	
				40	2.00	1.64	4.83	-3.45	1.38	
			106T	53	5.38	4.91	8.16	-3.45	4.71	
				54	5.31	5.14	8.24	-3.45	4.79	
			SU	-	9.51	8.45	12.02	-3.45	8.57	
	93	6415	26T	0	-0.45	-1.30	2.16	-3.45	-1.29	
				4	-0.36	-1.34	2.19	-3.45	-1.26	
				8	-0.35	-1.45	2.15	-3.45	-1.30	
			52T	37	2.42	1.59	5.04	-3.45	1.59	
				38	2.66	1.93	5.32	-3.45	1.87	
				40	2.47	1.41	4.98	-3.45	1.53	
			106T	53	5.22	4.49	7.88	-3.45	4.43	
				54	5.28	4.41	7.88	-3.45	4.43	
			SU	-	9.83	8.42	12.19	-3.45	8.74	

* 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	97	6435	26T	0	-0.49	-2.07	1.80	-3.60	-1.80	24.00
				4	-0.40	-2.03	1.87	-3.60	-1.73	
				8	-0.36	-2.18	1.83	-3.60	-1.77	
			52T	37	2.50	0.88	4.78	-3.60	1.18	
				38	2.80	1.16	5.07	-3.60	1.47	
				40	3.04	1.27	5.25	-3.60	1.65	
			106T	53	5.68	4.15	7.99	-3.60	4.39	
				54	5.73	4.03	7.97	-3.60	4.37	
			SU	-	9.76	8.68	12.26	-3.60	8.66	
	105	6475	26T	0	-0.94	-1.59	1.76	-3.60	-1.84	
				4	-0.82	-1.57	1.83	-3.60	-1.77	
				8	-0.84	-1.70	1.76	-3.60	-1.84	
			52T	37	1.91	1.57	4.75	-3.60	1.15	
				38	2.22	1.79	5.02	-3.60	1.42	
				40	1.97	1.37	4.69	-3.60	1.09	
			106T	53	5.28	4.90	8.10	-3.60	4.50	
				54	5.32	4.75	8.05	-3.60	4.45	
			SU	-	9.52	8.67	12.13	-3.60	8.53	
	113	6515	26T	0	-0.31	-1.51	2.14	-3.60	-1.46	
				4	-0.26	-1.54	2.16	-3.60	-1.44	
				8	-0.24	-1.66	2.12	-3.60	-1.48	
			52T	37	2.52	1.56	5.08	-3.60	1.48	
				38	2.29	1.29	4.83	-3.60	1.23	
				40	2.54	1.38	5.01	-3.60	1.41	
			106T	53	5.16	5.35	8.27	-3.60	4.67	
				54	5.22	5.15	8.20	-3.60	4.60	
			SU	-	9.45	9.10	12.29	-3.60	8.69	

* 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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- 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	9.31	8.75	12.05	-3.47	8.58	30.00
				4	8.83	8.14	11.51	-3.47	8.04	
				8	9.36	8.55	11.98	-3.47	8.51	
			52T	37	9.16	8.62	11.91	-3.47	8.44	
				38	8.93	8.36	11.66	-3.47	8.19	
				40	9.20	8.46	11.86	-3.47	8.39	
			106T	53	9.20	8.60	11.92	-3.47	8.45	
				54	9.23	8.51	11.90	-3.47	8.43	
			SU	-	9.42	8.71	12.09	-3.47	8.62	
	149	6695	26T	0	9.97	9.25	12.64	-3.47	9.17	
				4	9.56	8.82	12.22	-3.47	8.75	
				8	9.59	8.74	12.20	-3.47	8.73	
			52T	37	9.38	8.58	12.01	-3.47	8.54	
				38	9.20	8.35	11.81	-3.47	8.34	
				40	9.47	8.62	12.08	-3.47	8.61	
			106T	53	9.35	8.49	11.95	-3.47	8.48	
				54	9.42	8.52	12.00	-3.47	8.53	
			SU	-	9.56	8.88	12.24	-3.47	8.77	
	181	6855	26T	0	9.49	8.32	11.95	-3.47	8.48	
				4	9.02	7.95	11.53	-3.47	8.06	
				8	9.48	8.41	11.99	-3.47	8.52	
			52T	37	9.37	8.27	11.87	-3.47	8.40	
				38	9.15	8.05	11.65	-3.47	8.18	
				40	9.30	8.31	11.84	-3.47	8.37	
			106T	53	9.35	8.23	11.84	-3.47	8.37	
				54	9.31	8.29	11.84	-3.47	8.37	
			SU	-	9.54	8.64	12.12	-3.47	8.65	

* 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-7	117	6535	26T	0	-0.85	-1.61	1.80	-3.47	-1.67	24.00
				4	-0.72	-1.63	1.86	-3.47	-1.61	
				8	-0.73	-1.79	1.78	-3.47	-1.69	
			52T	37	2.05	1.44	4.77	-3.47	1.30	
				38	2.34	1.68	5.03	-3.47	1.56	
				40	2.13	1.31	4.75	-3.47	1.28	
			106T	53	5.31	5.02	8.18	-3.47	4.71	
				54	5.35	5.01	8.19	-3.47	4.72	
			SU	-	9.42	8.71	12.09	-3.47	8.62	
	149	6695	26T	0	-1.07	-0.98	1.99	-3.47	-1.48	
				4	-1.05	-0.91	2.03	-3.47	-1.44	
				8	-1.05	-1.00	1.99	-3.47	-1.48	
			52T	37	1.26	2.06	4.69	-3.47	1.22	
				38	1.61	2.36	5.01	-3.47	1.54	
				40	1.61	2.36	5.01	-3.47	1.54	
			106T	53	5.37	4.24	7.85	-3.47	4.38	
				54	5.39	4.32	7.90	-3.47	4.43	
			SU	-	9.56	8.88	12.24	-3.47	8.77	
	185	6875	26T	0	-1.29	-0.66	2.05	-3.47	-1.42	
				4	-1.28	-0.59	2.09	-3.47	-1.38	
				8	-1.40	-0.58	2.04	-3.47	-1.43	
			52T	37	1.32	2.97	5.23	-3.47	1.76	
				38	1.07	2.73	4.99	-3.47	1.52	
				40	1.22	2.84	5.12	-3.47	1.65	
			106T	53	4.22	5.83	8.11	-3.47	4.64	
				54	4.13	5.87	8.10	-3.47	4.63	
			SU	-	9.42	8.87	12.16	-3.47	8.69	

* 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	-1.54	-0.85	1.83	-3.98	-2.15	24.00
				4	-1.58	-0.75	1.87	-3.98	-2.11	
				8	-1.60	-0.73	1.87	-3.98	-2.11	
			52T	37	1.29	2.59	5.00	-3.98	1.02	
				38	0.99	2.54	4.84	-3.98	0.86	
				40	1.14	2.62	4.95	-3.98	0.97	
			106T	53	4.16	5.52	7.90	-3.98	3.92	
				54	4.07	5.63	7.93	-3.98	3.95	
			SU	-	9.41	9.03	12.23	-3.98	8.25	
	209	6995	26T	0	-1.39	-0.67	2.00	-3.98	-1.98	
				4	-1.48	-0.49	2.05	-3.98	-1.93	
				8	-1.67	-0.63	1.89	-3.98	-2.09	
			52T	37	1.31	2.79	5.12	-3.98	1.14	
				38	1.04	2.55	4.87	-3.98	0.89	
				40	1.11	2.60	4.93	-3.98	0.95	
			106T	53	4.44	5.60	8.07	-3.98	4.09	
				54	4.32	5.59	8.01	-3.98	4.03	
			SU	-	9.37	8.99	12.19	-3.98	8.21	
	233	7115	26T	0	-1.54	-1.13	1.68	-3.98	-2.30	
				4	-1.59	-1.12	1.66	-3.98	-2.32	
				8	-1.18	-0.74	2.06	-3.98	-1.92	
			52T	37	1.55	2.35	4.98	-3.98	1.00	
				38	1.74	2.48	5.14	-3.98	1.16	
				40	1.39	2.16	4.80	-3.98	0.82	
			106T	53	4.41	5.04	7.75	-3.98	3.77	
				54	4.35	4.89	7.64	-3.98	3.66	
			SU	-	9.28	9.21	12.26	-3.98	8.28	

* 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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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	6.946	6.764	9.866	-	-3.45	6.416	17.00
				4	5.238	5.222	8.240	-	-3.45	4.790	
				8	6.638	7.107	9.889	-	-3.45	6.439	
			SU	-	-2.431	-2.316	0.637	-	-3.45	-2.813	
	45	6175	26T	0	6.745	6.272	9.525	-	-3.45	6.075	
				4	5.683	4.996	8.363	-	-3.45	4.913	
				8	6.868	6.044	9.486	-	-3.45	6.036	
			SU	-	-1.852	-3.163	0.552	-	-3.45	-2.898	
	93	6415	26T	0	7.115	6.517	9.837	-	-3.45	6.387	
				4	6.183	5.320	8.783	-	-3.45	5.333	
				8	7.330	6.194	9.809	-	-3.45	6.359	
			SU	-	-1.403	-3.255	0.779	-	-3.45	-2.671	
UNII-7	117	6535	26T	0	6.797	6.633	9.726	-	-3.47	6.256	
				4	5.463	4.788	8.149	-	-3.47	4.679	
				8	7.061	6.908	9.995	-	-3.47	6.525	
			SU	-	-1.684	-2.676	0.859	-	-3.47	-2.611	
	149	**6695**	**26T**	**0**	**7.728**	**7.561**	**10.656**	**-**	**-3.47**	**7.186**	
				4	6.514	5.604	9.093	-	-3.47	5.623	
				8	7.471	6.681	10.104	-	-3.47	6.634	
			SU	-	-1.332	-2.074	1.323	-	-3.47	-2.147	
	181	6855	26T	0	7.444	6.327	9.932	-	-3.47	6.462	
				4	5.814	4.957	8.417	-	-3.47	4.947	
				8	7.443	6.593	10.049	-	-3.47	6.579	
			SU	-	-1.385	-2.444	1.128	-	-3.47	-2.342	

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

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- 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	106T	53	-2.737	-2.519	0.384	-	-3.45	-3.066	-1.00
				54	-2.763	-2.555	0.353	-	-3.45	-3.097	
			SU	-	-2.431	-2.316	0.637	-	-3.45	-2.813	
	45	6175	106T	53	-2.916	-3.129	-0.011	-	-3.45	-3.461	
				54	-2.529	-3.245	0.138	-	-3.45	-3.312	
			SU	-	-1.852	-3.163	0.552	-	-3.45	-2.898	
	93	6415	106T	53	-2.906	-3.692	-0.271	-	-3.45	-3.721	
				54	-2.984	-3.804	-0.364	-	-3.45	-3.814	
			SU	-	-1.403	-3.255	0.779	-	-3.45	-2.671	
UNII-6	97	6435	106T	53	-2.492	-3.842	-0.104	-	-3.60	-3.704	
				54	-2.339	-4.342	-0.216	-	-3.60	-3.816	
			SU	-	-1.251	-3.052	0.951	-	-3.60	-2.649	
	105	6475	106T	53	-3.072	-3.351	-0.199	-	-3.60	-3.799	
				54	-2.907	-3.635	-0.245	-	-3.60	-3.845	
			SU	-	-1.791	-2.991	0.661	-	-3.60	-2.939	
	113	6515	106T	53	-2.875	-3.278	-0.062	-	-3.60	-3.662	
				54	-2.788	-3.216	0.014	-	-3.60	-3.586	
			SU	-	-1.778	-2.743	0.777	-	-3.60	-2.823	
UNII-7	117	6535	106T	53	-2.537	-3.276	0.119	-	-3.47	-3.351	
				54	-2.531	-3.529	0.009	-	-3.47	-3.461	
			SU	-	-1.684	-2.676	0.859	-	-3.47	-2.611	
	149	**6695**	106T	53	-2.406	-3.630	0.035	-	-3.47	-3.435	
				54	-2.285	-3.416	0.197	-	-3.47	-3.273	
			SU	**-**	**-1.332**	**-2.074**	**1.323**	**-**	**-3.47**	**-2.147**	
	185	6875	106T	53	-3.646	-1.853	0.353	-	-3.47	-3.117	
				54	-3.470	-1.798	0.456	-	-3.47	-3.014	
			SU	-	-1.577	-1.956	1.248	-	-3.47	-2.222	
UNII-8	189	6895	106T	53	-3.726	-1.856	0.319	-	-3.98	-3.661	
				54	-3.605	-1.976	0.296	-	-3.98	-3.684	
			SU	-	-1.228	-1.802	1.505	-	-3.98	-2.475	
	209	6995	106T	53	-3.749	-2.189	0.111	-	-3.98	-3.869	
				54	-3.589	-1.900	0.347	-	-3.98	-3.633	
			SU	-	-1.774	-1.928	1.160	-	-3.98	-2.820	
	233	7115	106T	53	-3.387	-2.898	-0.125	-	-3.98	-4.105	
				54	-3.808	-3.128	-0.444	-	-3.98	-4.424	
			SU	-	-1.594	-1.764	1.332	-	-3.98	-2.648	

* 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	8.93	8.87	11.91	-3.45	8.46	30.00
				9	9.13	9.22	12.19	-3.45	8.74	
				17	8.83	9.03	11.94	-3.45	8.49	
			52T	37	9.00	9.05	12.04	-3.45	8.59	
				41	8.80	8.84	11.83	-3.45	8.38	
				44	8.92	9.04	11.99	-3.45	8.54	
			106T	53	8.95	8.97	11.97	-3.45	8.52	
				54	8.80	8.83	11.83	-3.45	8.38	
				56	8.90	9.15	12.04	-3.45	8.59	
			242T	61	8.89	8.87	11.89	-3.45	8.44	
				62	8.90	8.93	11.93	-3.45	8.48	
			SU	-	9.16	9.36	12.27	-3.45	8.82	
	43	6165	26T	0	9.38	8.30	11.88	-3.45	8.43	
				9	9.51	8.71	12.14	-3.45	8.69	
				17	9.28	8.24	11.80	-3.45	8.35	
			52T	37	9.43	8.28	11.90	-3.45	8.45	
				41	9.18	8.25	11.75	-3.45	8.30	
				44	9.38	8.31	11.89	-3.45	8.44	
			106T	53	9.41	8.38	11.94	-3.45	8.49	
				54	9.24	8.14	11.74	-3.45	8.29	
				56	9.36	8.28	11.86	-3.45	8.41	
			242T	61	9.76	8.77	12.30	-3.45	8.85	
				62	9.72	8.79	12.29	-3.45	8.84	
			SU	-	9.49	8.89	12.21	-3.45	8.76	
	91	6405	26T	0	9.59	8.53	12.10	-3.45	8.65	
				9	9.43	7.97	11.77	-3.45	8.32	
				17	9.70	8.02	11.95	-3.45	8.50	
			52T	37	9.66	8.52	12.14	-3.45	8.69	
				41	9.55	8.06	11.88	-3.45	8.43	
				44	9.77	8.23	12.08	-3.45	8.63	
			106T	53	9.67	8.55	12.16	-3.45	8.71	
				54	9.52	8.20	11.92	-3.45	8.47	
				56	9.80	8.06	12.03	-3.45	8.58	
			242T	61	9.53	8.26	11.95	-3.45	8.50	
				62	9.60	8.03	11.90	-3.45	8.45	
			SU	-	9.76	8.37	12.13	-3.45	8.68	

* 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-5	3	5965	26T	0	-1.07	-1.50	1.73	-3.45	-1.72	24.00
				9	-0.77	-1.28	1.99	-3.45	-1.46	
				17	-0.52	-0.98	2.27	-3.45	-1.18	
			52T	37	2.21	2.09	5.16	-3.45	1.71	
				41	1.97	1.93	4.96	-3.45	1.51	
				44	2.16	2.20	5.19	-3.45	1.74	
			106T	53	5.01	4.92	7.98	-3.45	4.53	
				54	4.80	4.79	7.81	-3.45	4.36	
				56	4.90	5.02	7.97	-3.45	4.52	
			242T	61	8.89	8.87	11.89	-3.45	8.44	
				62	8.90	8.93	11.93	-3.45	8.48	
			SU	-	9.16	9.36	12.27	-3.45	8.82	
	43	6165	26T	0	-0.31	-0.94	2.40	-3.45	-1.05	
				9	-0.60	-1.20	2.12	-3.45	-1.33	
				17	-0.36	-0.96	2.36	-3.45	-1.09	
			52T	37	2.70	2.13	5.43	-3.45	1.98	
				41	2.43	1.98	5.22	-3.45	1.77	
				44	2.67	2.22	5.46	-3.45	2.01	
			106T	53	5.58	5.15	8.38	-3.45	4.93	
				54	5.41	5.00	8.22	-3.45	4.77	
				56	5.52	5.16	8.35	-3.45	4.90	
			242T	61	9.76	8.77	12.30	-3.45	8.85	
				62	9.72	8.79	12.29	-3.45	8.84	
			SU	-	9.49	8.89	12.21	-3.45	8.76	
	91	6405	26T	0	-0.63	-1.10	2.15	-3.45	-1.30	
				9	-0.78	-1.51	1.88	-3.45	-1.57	
				17	-0.46	-1.43	2.09	-3.45	-1.36	
			52T	37	2.43	2.01	5.24	-3.45	1.79	
				41	2.32	1.57	4.97	-3.45	1.52	
				44	2.60	1.61	5.14	-3.45	1.69	
			106T	53	5.26	4.92	8.10	-3.45	4.65	
				54	5.15	4.66	7.92	-3.45	4.47	
				56	5.38	4.57	8.00	-3.45	4.55	
			242T	61	9.53	8.26	11.95	-3.45	8.50	
				62	9.60	8.03	11.90	-3.45	8.45	
			SU	-	9.76	8.37	12.13	-3.45	8.68	

* 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	-0.40	-1.20	2.23	-3.60	-1.37	24.00
				9	-0.58	-1.64	1.93	-3.60	-1.67	
				17	-0.26	-1.53	2.16	-3.60	-1.44	
			52T	37	2.49	2.00	5.26	-3.60	1.66	
				41	2.30	1.56	4.96	-3.60	1.36	
				44	2.55	1.65	5.13	-3.60	1.53	
			106T	53	4.83	4.33	7.60	-3.60	4.00	
				54	4.70	4.05	7.40	-3.60	3.80	
				56	4.91	4.07	7.52	-3.60	3.92	
			242T	61	9.37	8.43	11.94	-3.60	8.34	
				62	9.43	8.21	11.87	-3.60	8.27	
			SU	-	9.68	8.56	12.17	-3.60	8.57	
	115	6525	26T	0	-0.37	-0.90	2.38	-3.60	-1.22	
				9	-0.51	-1.30	2.12	-3.60	-1.48	
				17	-0.19	-1.23	2.33	-3.60	-1.27	
			52T	37	2.65	2.33	5.50	-3.60	1.90	
				41	2.45	1.90	5.19	-3.60	1.59	
				44	2.73	1.97	5.38	-3.60	1.78	
			106T	53	5.71	5.51	8.62	-3.60	5.02	
				54	5.55	5.23	8.40	-3.60	4.80	
				56	5.78	5.19	8.51	-3.60	4.91	
			242T	61	9.13	8.68	11.92	-3.60	8.32	
				62	9.18	8.47	11.85	-3.60	8.25	
			SU	-	9.02	8.26	11.67	-3.60	8.07	

* 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

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- 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	9.47	8.68	12.10	-3.47	8.63	30.00
				9	9.30	8.20	11.80	-3.47	8.33	
				17	9.62	8.36	12.05	-3.47	8.58	
			52T	37	9.60	8.80	12.23	-3.47	8.76	
				41	9.41	8.32	11.91	-3.47	8.44	
				44	9.71	8.46	12.14	-3.47	8.67	
			106T	53	9.57	8.73	12.18	-3.47	8.71	
				54	9.43	8.49	12.00	-3.47	8.53	
				56	9.63	8.49	12.11	-3.47	8.64	
			242T	61	9.38	8.49	11.97	-3.47	8.50	
				62	9.48	8.32	11.95	-3.47	8.48	
			SU	-	9.26	8.18	11.76	-3.47	8.29	
	147	6685	26T	0	9.36	8.60	12.01	-3.47	8.54	
				9	9.22	8.30	11.79	-3.47	8.32	
				17	9.53	8.69	12.14	-3.47	8.67	
			52T	37	9.49	8.65	12.10	-3.47	8.63	
				41	9.30	8.44	11.90	-3.47	8.43	
				44	9.60	8.71	12.19	-3.47	8.72	
			106T	53	9.48	8.60	12.07	-3.47	8.60	
				54	9.35	8.49	11.95	-3.47	8.48	
				56	9.58	8.62	12.14	-3.47	8.67	
			242T	61	9.26	8.43	11.88	-3.47	8.41	
				62	9.38	8.44	11.95	-3.47	8.48	
			SU	-	9.62	8.82	12.25	-3.47	8.78	
	179	6845	26T	0	9.41	8.18	11.85	-3.47	8.38	
				9	9.67	8.50	12.13	-3.47	8.66	
				17	9.37	8.27	11.87	-3.47	8.40	
			52T	37	9.53	8.29	11.96	-3.47	8.49	
				41	9.27	8.15	11.76	-3.47	8.29	
				44	9.44	8.38	11.95	-3.47	8.48	
			106T	53	9.48	8.28	11.93	-3.47	8.46	
				54	9.30	8.15	11.77	-3.47	8.30	
				56	9.40	8.36	11.92	-3.47	8.45	
			242T	61	9.28	8.02	11.71	-3.47	8.24	
				62	9.25	8.12	11.73	-3.47	8.26	
			SU	-	9.52	8.36	11.99	-3.47	8.52	

* 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-7	123	6565	26T	0	-0.55	-1.04	2.22	-3.47	-1.25	24.00
				9	-0.80	-1.50	1.87	-3.47	-1.60	
				17	-0.45	-1.41	2.11	-3.47	-1.36	
			52T	37	2.15	2.14	5.16	-3.47	1.69	
				41	2.02	1.73	4.89	-3.47	1.42	
				44	2.30	1.86	5.10	-3.47	1.63	
			106T	53	5.47	4.88	8.20	-3.47	4.73	
				54	5.30	4.58	7.97	-3.47	4.50	
				56	5.59	4.62	8.14	-3.47	4.67	
			242T	61	9.38	8.49	11.97	-3.47	8.50	
				62	9.48	8.32	11.95	-3.47	8.48	
			SU	-	9.26	8.18	11.76	-3.47	8.29	
	147	6685	26T	0	-0.88	-1.00	2.07	-3.47	-1.40	
				9	-0.97	-1.29	1.88	-3.47	-1.59	
				17	-0.58	-1.05	2.20	-3.47	-1.27	
			52T	37	1.93	2.18	5.07	-3.47	1.60	
				41	1.85	1.98	4.93	-3.47	1.46	
				44	2.18	2.25	5.23	-3.47	1.76	
			106T	53	5.85	4.63	8.29	-3.47	4.82	
				54	5.70	4.49	8.15	-3.47	4.68	
				56	5.95	4.68	8.37	-3.47	4.90	
			242T	61	9.26	8.43	11.88	-3.47	8.41	
				62	9.38	8.44	11.95	-3.47	8.48	
			SU	-	9.62	8.82	12.25	-3.47	8.78	
	179	6845	26T	0	-0.90	-0.42	2.36	-3.47	-1.11	
				9	-1.16	-0.56	2.16	-3.47	-1.31	
				17	-0.90	-0.24	2.45	-3.47	-1.02	
			52T	37	1.46	2.69	5.13	-3.47	1.66	
				41	1.24	2.66	5.02	-3.47	1.55	
				44	1.45	2.80	5.19	-3.47	1.72	
			106T	53	4.31	5.63	8.03	-3.47	4.56	
				54	4.23	5.48	7.91	-3.47	4.44	
				56	4.30	5.73	8.08	-3.47	4.61	
			242T	61	9.28	8.02	11.71	-3.47	8.24	
				62	9.25	8.12	11.73	-3.47	8.26	
			SU	-	9.52	8.36	11.99	-3.47	8.52	

* 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	187	6885	26T	0	-1.16	-0.56	2.16	-3.98	-1.82	24.00
				9	-1.43	-0.74	1.94	-3.98	-2.04	
				17	-1.16	-0.40	2.25	-3.98	-1.73	
			52T	37	1.42	2.67	5.10	-3.98	1.12	
				41	1.18	2.66	4.99	-3.98	1.01	
				44	1.32	2.95	5.22	-3.98	1.24	
			106T	53	4.34	5.59	8.02	-3.98	4.04	
				54	4.20	5.48	7.90	-3.98	3.92	
				56	4.24	5.71	8.05	-3.98	4.07	
			242T	61	9.59	8.70	12.18	-3.98	8.20	
				62	9.52	8.77	12.17	-3.98	8.19	
			SU	-	9.33	8.58	11.98	-3.98	8.00	
	203	6965	26T	0	-1.39	-0.93	1.86	-3.98	-2.12	
				9	-1.80	-1.21	1.52	-3.98	-2.46	
				17	-1.62	-0.83	1.80	-3.98	-2.18	
			52T	37	1.16	2.35	4.81	-3.98	0.83	
				41	1.33	2.68	5.07	-3.98	1.09	
				44	1.43	2.77	5.16	-3.98	1.18	
			106T	53	4.74	5.70	8.26	-3.98	4.28	
				54	4.44	5.54	8.04	-3.98	4.06	
				56	4.52	5.72	8.17	-3.98	4.19	
			242T	61	9.64	8.82	12.26	-3.98	8.28	
				62	9.51	8.81	12.18	-3.98	8.20	
			SU	-	9.26	8.54	11.93	-3.98	7.95	
	227	7085	26T	0	-1.20	-1.06	1.88	-3.98	-2.10	
				9	-1.68	-1.29	1.53	-3.98	-2.45	
				17	-1.59	-1.18	1.63	-3.98	-2.35	
			52T	37	2.00	2.56	5.30	-3.98	1.32	
				41	1.56	2.20	4.90	-3.98	0.92	
				44	1.60	2.26	4.95	-3.98	0.97	
			106T	53	4.76	5.39	8.10	-3.98	4.12	
				54	4.52	5.13	7.85	-3.98	3.87	
				56	4.50	5.09	7.82	-3.98	3.84	
			242T	61	9.60	8.40	12.05	-3.98	8.07	
				62	9.39	8.19	11.84	-3.98	7.86	
			SU	-	9.26	8.18	11.76	-3.98	7.78	

* 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

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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	6.707	6.824	9.776	-	-3.45	6.326	17.00
				9	7.041	6.721	9.894	-	-3.45	6.444	
				17	6.724	6.604	9.675	-	-3.45	6.225	
			SU	-	-3.853	-3.825	-0.829	-	-3.45	-4.279	
	43	6165	26T	0	7.242	5.706	9.552	-	-3.45	6.102	
				9	7.185	6.593	9.909	-	-3.45	6.459	
				17	7.317	5.685	9.588	-	-3.45	6.138	
			SU	-	-3.449	-4.527	-0.944	-	-3.45	-4.394	
	91	6405	26T	0	7.317	6.269	9.835	-	-3.45	6.385	
				9	7.325	5.753	9.620	-	-3.45	6.170	
				17	7.453	5.609	9.638	-	-3.45	6.188	
			SU	-	-3.128	-4.738	-0.849	-	-3.45	-4.299	
UNII-7	**123**	**6565**	**26T**	0	7.267	6.508	9.914	-	-3.47	6.444	
				9	7.385	6.312	9.892	-	-3.47	6.422	
				17	**7.732**	**6.237**	**10.059**	**-**	**-3.47**	**6.589**	
			SU	-	-3.688	-5.211	-1.373	-	-3.47	-4.843	
	147	6685	26T	0	7.007	6.548	9.794	-	-3.47	6.324	
				9	6.922	6.143	9.560	-	-3.47	6.090	
				17	7.378	6.311	9.887	-	-3.47	6.417	
			SU	-	-3.415	-4.198	-0.779	-	-3.47	-4.249	
	179	6845	26T	0	7.403	5.898	9.726	-	-3.47	6.256	
				9	7.565	6.291	9.985	-	-3.47	6.515	
				17	7.260	5.985	9.679	-	-3.47	6.209	
			SU	-	-3.300	-4.621	-0.900	-	-3.47	-4.370	

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

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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	242T	61	-2.587	-2.723	0.356	-	-3.45	-3.094	-1.00
				62	-2.498	-2.560	0.481	-	-3.45	-2.969	
			SU	-	-3.853	-3.825	-0.829	-	-3.45	-4.279	
	43	**6165**	**242T**	**61**	**-1.561**	**-2.823**	**0.864**	**-**	**-3.45**	**-2.586**	
				62	-1.626	-2.817	0.829	-	-3.45	-2.621	
			SU	-	-3.449	-4.527	-0.944	-	-3.45	-4.394	
	91	6405	242T	61	-1.702	-3.019	0.700	-	-3.45	-2.750	
				62	-1.604	-3.349	0.621	-	-3.45	-2.829	
			SU	-	-3.128	-4.738	-0.849	-	-3.45	-4.299	
UNII-6	99	6445	242T	61	-1.683	-2.832	0.791	-	-3.60	-2.809	
				62	-1.825	-3.337	0.495	-	-3.60	-3.105	
			SU	-	-3.016	-4.654	-0.748	-	-3.60	-4.348	
	115	6525	242T	61	-2.033	-2.741	0.638	-	-3.60	-2.962	
				62	-1.828	-3.182	0.558	-	-3.60	-3.042	
			SU	-	-3.760	-4.842	-1.257	-	-3.60	-4.857	
UNII-7	123	6565	242T	61	-1.776	-3.041	0.648	-	-3.47	-2.822	
				62	-1.553	-3.147	0.733	-	-3.47	-2.737	
			SU	-	-3.688	-5.211	-1.373	-	-3.47	-4.843	
	147	6685	242T	61	-1.995	-2.978	0.552	-	-3.47	-2.918	
				62	-1.999	-2.912	0.579	-	-3.47	-2.891	
			SU	-	-3.415	-4.198	-0.779	-	-3.47	-4.249	
	179	6845	242T	61	-2.027	-3.170	0.449	-	-3.47	-3.021	
				62	-1.736	-2.789	0.780	-	-3.47	-2.690	
			SU	-	-3.300	-4.621	-0.900	-	-3.47	-4.370	
UNII-8	187	6885	242T	61	-1.668	-2.387	0.998	-	-3.98	-2.982	
				62	-1.733	-2.285	1.010	-	-3.98	-2.970	
			SU	-	-3.715	-4.391	-1.030	-	-3.98	-5.010	
	203	6965	242T	61	-1.791	-2.530	0.865	-	-3.98	-3.115	
				62	-2.015	-2.402	0.806	-	-3.98	-3.174	
			SU	-	-3.815	-4.489	-1.129	-	-3.98	-5.109	
	227	7085	242T	61	-1.644	-2.838	0.810	-	-3.98	-3.170	
				62	-1.953	-3.081	0.530	-	-3.98	-3.450	
			SU	-	-3.645	-4.817	-1.181	-	-3.98	-5.161	

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

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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	9.06	9.01	12.05	-3.45	8.60	30.00
				18	8.73	8.95	11.85	-3.45	8.40	
				36	8.88	9.21	12.06	-3.45	8.61	
			52T	37	9.04	9.01	12.04	-3.45	8.59	
				45	8.79	8.95	11.88	-3.45	8.43	
				52	8.86	9.31	12.10	-3.45	8.65	
			106T	53	9.00	8.95	11.99	-3.45	8.54	
				57	8.77	8.93	11.86	-3.45	8.41	
				60	8.83	9.17	12.01	-3.45	8.56	
			242T	61	8.93	8.98	11.97	-3.45	8.52	
				62	8.80	8.89	11.86	-3.45	8.41	
				64	8.82	9.12	11.98	-3.45	8.53	
			484T	65	8.86	8.76	11.82	-3.45	8.37	
				66	8.78	8.89	11.85	-3.45	8.40	
			SU	-	9.08	9.33	12.22	-3.45	8.77	
	39	6145	26T	0	9.20	8.72	11.98	-3.45	8.53	
				18	8.87	8.65	11.77	-3.45	8.32	
				36	9.07	8.92	12.01	-3.45	8.56	
			52T	37	9.21	8.75	12.00	-3.45	8.55	
				45	8.90	8.71	11.82	-3.45	8.37	
				52	9.03	8.86	11.96	-3.45	8.51	
			106T	53	9.16	8.83	12.01	-3.45	8.56	
				57	8.88	8.71	11.81	-3.45	8.36	
				60	9.01	9.00	12.02	-3.45	8.57	
			242T	61	9.12	8.71	11.93	-3.45	8.48	
				62	9.12	8.71	11.93	-3.45	8.48	
				64	8.94	8.84	11.90	-3.45	8.45	
			484T	65	9.36	8.79	12.09	-3.45	8.64	
				66	9.28	8.86	12.09	-3.45	8.64	
			SU	-	9.06	8.90	11.99	-3.45	8.54	
	87	6385	26T	0	9.59	8.22	11.97	-3.45	8.52	
				18	9.48	7.63	11.66	-3.45	8.21	
				36	9.90	7.35	11.82	-3.45	8.37	
			52T	37	9.60	8.14	11.94	-3.45	8.49	
				45	9.62	7.65	11.76	-3.45	8.31	
				52	9.89	7.34	11.81	-3.45	8.36	
			106T	53	9.52	8.14	11.89	-3.45	8.44	
				57	9.54	7.56	11.67	-3.45	8.22	
				60	9.83	7.25	11.74	-3.45	8.29	
			242T	61	9.55	8.03	11.87	-3.45	8.42	
				62	9.48	7.85	11.75	-3.45	8.30	
				64	9.79	7.44	11.78	-3.45	8.33	
			484T	65	9.90	8.08	12.09	-3.45	8.64	
				66	9.92	7.59	11.92	-3.45	8.47	
			SU	-	9.81	7.78	11.92	-3.45	8.47	

* 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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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	-0.51	-0.94	2.29	-3.45	-1.16	24.00
				18	-0.78	-1.06	2.09	-3.45	-1.36	
				36	-0.94	-1.21	1.94	-3.45	-1.51	
			52T	37	2.17	2.09	5.14	-3.45	1.69	
				45	1.85	2.02	4.95	-3.45	1.50	
				52	1.99	2.35	5.18	-3.45	1.73	
			106T	53	4.93	4.90	7.93	-3.45	4.48	
				57	4.65	4.77	7.72	-3.45	4.27	
				60	4.73	5.11	7.93	-3.45	4.48	
			242T	61	8.93	8.98	11.97	-3.45	8.52	
				62	8.80	8.89	11.86	-3.45	8.41	
				64	8.82	9.12	11.98	-3.45	8.53	
			484T	65	8.86	8.76	11.82	-3.45	8.37	
				66	8.78	8.89	11.85	-3.45	8.40	
			SU	-	9.08	9.33	12.22	-3.45	8.77	
	39	6145	26T	0	-1.04	-1.33	1.83	-3.45	-1.62	
				18	-0.79	-1.06	2.09	-3.45	-1.36	
				36	-1.12	-1.22	1.84	-3.45	-1.61	
			52T	37	1.87	1.82	4.86	-3.45	1.41	
				45	1.47	1.75	4.62	-3.45	1.17	
				52	1.64	2.00	4.83	-3.45	1.38	
			106T	53	5.17	5.19	8.19	-3.45	4.74	
				57	4.87	5.14	8.02	-3.45	4.57	
				60	4.94	5.34	8.15	-3.45	4.70	
			242T	61	9.12	8.71	11.93	-3.45	8.48	
				62	9.12	8.71	11.93	-3.45	8.48	
				64	8.94	8.84	11.90	-3.45	8.45	
			484T	65	9.36	8.79	12.09	-3.45	8.64	
				66	9.28	8.86	12.09	-3.45	8.64	
			SU	-	9.06	8.90	11.99	-3.45	8.54	
	87	6385	26T	0	-0.79	-1.33	1.96	-3.45	-1.49	
				18	-0.18	-1.41	2.26	-3.45	-1.19	
				36	-0.41	-1.99	1.88	-3.45	-1.57	
			52T	37	1.95	1.67	4.82	-3.45	1.37	
				45	2.59	1.47	5.08	-3.45	1.63	
				52	2.95	1.23	5.18	-3.45	1.73	
			106T	53	5.47	4.91	8.21	-3.45	4.76	
				57	5.38	4.27	7.87	-3.45	4.42	
				60	5.73	4.05	7.98	-3.45	4.53	
			242T	61	9.55	8.03	11.87	-3.45	8.42	
				62	9.48	7.85	11.75	-3.45	8.30	
				64	9.79	7.44	11.78	-3.45	8.33	
			484T	65	9.90	8.08	12.09	-3.45	8.64	
				66	9.92	7.59	11.92	-3.45	8.47	
			SU	-	9.81	7.78	11.92	-3.45	8.47	

* 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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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	-0.85	-1.60	1.80	-3.60	-1.80	24.00
				18	-0.49	-1.69	1.96	-3.60	-1.64	
				36	-0.06	-1.80	2.17	-3.60	-1.43	
			52T	37	2.00	1.61	4.82	-3.60	1.22	
				45	2.39	1.44	4.95	-3.60	1.35	
				52	2.73	1.33	5.10	-3.60	1.50	
			106T	53	4.84	4.38	7.63	-3.60	4.03	
				57	4.77	3.71	7.28	-3.60	3.68	
				60	5.07	3.59	7.40	-3.60	3.80	
			242T	61	9.53	8.75	12.17	-3.60	8.57	
				62	9.36	8.42	11.93	-3.60	8.33	
				64	9.61	8.12	11.94	-3.60	8.34	
			484T	65	9.86	9.01	12.47	-3.60	8.87	
				66	9.92	8.56	12.30	-3.60	8.70	
			SU	-	9.76	8.56	12.21	-3.60	8.61	

* 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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- 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	135	6625	26T	0	9.58	8.60	12.13	-3.47	8.66	30.00
				18	9.49	8.14	11.88	-3.47	8.41	
				36	9.89	8.27	12.17	-3.47	8.70	
			52T	37	9.60	8.56	12.12	-3.47	8.65	
				45	9.56	8.14	11.92	-3.47	8.45	
				52	9.91	8.28	12.18	-3.47	8.71	
			106T	53	9.57	8.58	12.11	-3.47	8.64	
				57	9.56	8.20	11.94	-3.47	8.47	
				60	9.85	8.32	12.16	-3.47	8.69	
			242T	61	9.58	8.46	12.07	-3.47	8.60	
				62	9.49	8.23	11.92	-3.47	8.45	
				64	9.80	8.25	12.10	-3.47	8.63	
			484T	65	9.46	8.26	11.91	-3.47	8.44	
				66	9.61	8.08	11.92	-3.47	8.45	
			SU	-	9.36	7.90	11.70	-3.47	8.23	
	151	6705	26T	0	9.53	9.03	12.30	-3.47	8.83	
				18	9.49	8.78	12.16	-3.47	8.69	
				36	9.32	8.68	12.02	-3.47	8.55	
			52T	37	9.54	8.90	12.24	-3.47	8.77	
				45	9.55	8.80	12.20	-3.47	8.73	
				52	9.32	8.66	12.01	-3.47	8.54	
			106T	53	9.51	9.03	12.29	-3.47	8.82	
				57	9.52	8.82	12.19	-3.47	8.72	
				60	9.20	8.58	11.91	-3.47	8.44	
			242T	61	9.49	8.88	12.21	-3.47	8.74	
				62	9.46	8.80	12.15	-3.47	8.68	
				64	9.18	8.51	11.87	-3.47	8.40	
			484T	65	9.91	9.26	12.61	-3.47	9.14	
				66	9.92	9.33	12.65	-3.47	9.18	
			SU	-	9.82	9.05	12.46	-3.47	8.99	
	167	6785	26T	0	9.19	9.11	12.16	-3.47	8.69	
				18	8.99	9.01	12.01	-3.47	8.54	
				36	9.18	9.36	12.28	-3.47	8.81	
			52T	37	9.20	9.15	12.19	-3.47	8.72	
				45	9.02	9.07	12.06	-3.47	8.59	
				52	9.23	9.33	12.29	-3.47	8.82	
			106T	53	9.14	9.07	12.12	-3.47	8.65	
				57	8.94	8.99	11.98	-3.47	8.51	
				60	9.10	9.34	12.23	-3.47	8.76	
			242T	61	9.08	9.08	12.09	-3.47	8.62	
				62	8.99	8.98	12.00	-3.47	8.53	
				64	9.12	9.34	12.24	-3.47	8.77	
			484T	65	9.46	9.52	12.50	-3.47	9.03	
				66	9.49	9.61	12.56	-3.47	9.09	
			SU	-	9.36	9.26	12.32	-3.47	8.85	

* 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-7	119	6545	26T	0	-0.70	-1.18	2.08	-3.47	-1.39	24.00
				18	-0.32	-1.30	2.23	-3.47	-1.24	
				36	-0.49	-1.95	1.85	-3.47	-1.62	
			52T	37	2.18	1.92	5.06	-3.47	1.59	
				45	2.61	1.81	5.24	-3.47	1.77	
				52	2.39	1.23	4.86	-3.47	1.39	
			106T	53	5.26	5.34	8.31	-3.47	4.84	
				57	5.28	4.97	8.14	-3.47	4.67	
				60	5.67	4.86	8.29	-3.47	4.82	
			242T	61	8.89	8.51	11.71	-3.47	8.24	
				62	8.79	8.20	11.52	-3.47	8.05	
				64	9.08	7.90	11.54	-3.47	8.07	
			484T	65	9.26	8.76	12.03	-3.47	8.56	
				66	9.38	8.28	11.88	-3.47	8.41	
			SU	-	9.16	8.36	11.79	-3.47	8.32	
	151	6705	26T	0	-1.13	-1.32	1.79	-3.47	-1.68	
				18	-0.67	-1.17	2.10	-3.47	-1.37	
				36	-0.70	-1.36	1.99	-3.47	-1.48	
			52T	37	1.61	1.86	4.75	-3.47	1.28	
				45	2.05	2.21	5.14	-3.47	1.67	
				52	1.93	2.01	4.98	-3.47	1.51	
			106T	53	5.39	4.74	8.09	-3.47	4.62	
				57	5.44	4.53	8.02	-3.47	4.55	
				60	5.73	4.63	8.23	-3.47	4.76	
			242T	61	9.49	8.88	12.21	-3.47	8.74	
				62	9.46	8.80	12.15	-3.47	8.68	
				64	9.18	8.51	11.87	-3.47	8.40	
			484T	65	9.91	9.26	12.61	-3.47	9.14	
				66	9.92	9.33	12.65	-3.47	9.18	
			SU	-	9.82	9.05	12.46	-3.47	8.99	
	183	6865	26T	0	-1.23	-0.74	2.03	-3.47	-1.44	
				18	-1.46	-0.89	1.84	-3.47	-1.63	
				36	-1.22	-0.46	2.19	-3.47	-1.28	
			52T	37	1.04	2.44	4.81	-3.47	1.34	
				45	1.26	2.70	5.05	-3.47	1.58	
				52	0.82	2.69	4.87	-3.47	1.40	
			106T	53	4.39	5.68	8.09	-3.47	4.62	
				57	4.08	5.65	7.95	-3.47	4.48	
				60	4.16	5.91	8.13	-3.47	4.66	
			242T	61	9.59	8.67	12.16	-3.47	8.69	
				62	9.43	8.68	12.08	-3.47	8.61	
				64	9.41	8.83	12.14	-3.47	8.67	
			484T	65	9.36	8.37	11.90	-3.47	8.43	
				66	9.23	8.52	11.90	-3.47	8.43	
			SU	-	9.12	8.16	11.68	-3.47	8.21	

* 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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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	-1.20	-0.48	2.19	-3.98	-1.79	24.00
				18	-1.53	-0.46	2.05	-3.98	-1.93	
				36	-1.39	-0.05	2.34	-3.98	-1.64	
			52T	37	1.19	2.61	4.97	-3.98	0.99	
				45	0.71	2.55	4.74	-3.98	0.76	
				52	0.68	2.81	4.88	-3.98	0.90	
			106T	53	3.99	5.39	7.76	-3.98	3.78	
				57	4.07	5.82	8.04	-3.98	4.06	
				60	4.01	6.02	8.14	-3.98	4.16	
			242T	61	9.47	8.90	12.20	-3.98	8.22	
				62	9.25	8.89	12.08	-3.98	8.10	
				64	9.08	9.12	12.11	-3.98	8.13	
			484T	65	9.39	8.72	12.08	-3.98	8.10	
				66	9.16	8.89	12.04	-3.98	8.06	
			SU	-	9.09	8.46	11.80	-3.98	7.82	
	215	7025	26T	0	-1.13	-1.09	1.90	-3.98	-2.08	
				18	-1.11	-0.77	2.07	-3.98	-1.91	
				36	-1.55	-1.02	1.73	-3.98	-2.25	
			52T	37	1.30	1.99	4.67	-3.98	0.69	
				45	1.24	2.16	4.73	-3.98	0.75	
				52	1.14	2.16	4.69	-3.98	0.71	
			106T	53	4.82	5.31	8.08	-3.98	4.10	
				57	4.26	4.99	7.65	-3.98	3.67	
				60	4.17	5.00	7.62	-3.98	3.64	
			242T	61	9.47	8.93	12.22	-3.98	8.24	
				62	9.17	8.75	11.98	-3.98	8.00	
				64	8.93	8.70	11.83	-3.98	7.85	
			484T	65	9.58	9.11	12.36	-3.98	8.38	
				66	9.18	8.89	12.05	-3.98	8.07	
			SU	-	9.16	8.68	11.94	-3.98	7.96	

* 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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PSD Results
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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	6.660	6.671	9.676	-	-3.45	6.226	17.00
				18	5.885	5.407	8.663	-	-3.45	5.213	
				36	6.863	6.513	9.702	-	-3.45	6.252	
			SU	-	-6.886	-6.831	-3.848	-	-3.45	-7.298	
	39	6145	26T	0	7.298	6.175	9.783	-	-3.45	6.333	
				18	5.698	4.634	8.209	-	-3.45	4.759	
				36	6.898	6.319	9.628	-	-3.45	6.178	
			SU	-	-6.914	-7.232	-4.060	-	-3.45	-7.510	
	87	6385	26T	0	7.681	5.780	9.844	-	-3.45	6.394	
				18	6.279	4.175	8.363	-	-3.45	4.913	
				36	7.578	5.193	9.558	-	-3.45	6.108	
			SU	-	-6.163	-8.533	-4.178	-	-3.45	-7.628	
UNII-7	135	6625	26T	0	7.513	6.150	9.895	-	-3.47	6.425	
				18	6.363	5.011	8.750	-	-3.47	5.280	
				36	7.693	6.112	9.984	-	-3.47	6.514	
			SU	-	-6.460	-8.062	-4.177	-	-3.47	-7.647	
	151	6705	26T	0	7.681	5.780	9.844	-	-3.47	6.374	
				18	6.279	4.175	8.363	-	-3.47	4.893	
				36	7.578	5.193	9.558	-	-3.47	6.088	
			SU	-	-6.178	-6.786	-3.461	-	-3.47	-6.931	
	167	**6785**	**26T**	0	6.990	6.943	9.977	-	-3.47	6.507	
				18	5.856	5.405	8.647	-	-3.47	5.177	
				36	**6.847**	**7.206**	**10.041**	**-**	**-3.47**	**6.571**	
			SU	-	-6.601	-6.611	-3.596	-	-3.47	-7.066	

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

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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	242T	61	-2.440	-2.911	0.341	-	-3.45	-3.109	-1.00
				62	-2.714	-2.733	0.287	-	-3.45	-3.163	
				64	-2.552	-2.723	0.374	-	-3.45	-3.076	
			SU	-	-6.886	-6.831	-3.848	-	-3.45	-7.298	
	39	6145	242T	61	-2.557	-3.064	0.207	-	-3.45	-3.243	
				62	-2.514	-3.157	0.187	-	-3.45	-3.263	
				64	-2.637	-2.948	0.221	-	-3.45	-3.229	
			SU	-	-6.914	-7.232	-4.060	-	-3.45	-7.510	
	87	6385	242T	61	-1.761	-3.775	0.358	-	-3.45	-3.092	
				62	-2.017	-3.984	0.120	-	-3.45	-3.330	
				64	-1.734	-4.648	0.059	-	-3.45	-3.391	
			SU	-	-6.163	-8.533	-4.178	-	-3.45	-7.628	
UNII-6	103	6465	242T	61	-1.710	-2.944	0.727	-	-3.60	-2.873	
				62	-2.080	-3.415	0.314	-	-3.60	-3.286	
				64	-1.931	-3.332	0.435	-	-3.60	-3.165	
			SU	-	-6.502	-7.533	-3.977	-	-3.60	-7.577	
UNII-7	119	6545	242T	61	-2.737	-3.140	0.076	-	-3.47	-3.394	
				62	-2.552	-3.245	0.126	-	-3.47	-3.344	
				64	-2.325	-3.607	0.091	-	-3.47	-3.379	
			SU	-	-6.913	-7.961	-4.395	-	-3.47	-7.865	
	151	6705	242T	61	-2.114	-2.583	0.668	-	-3.47	-2.802	
				62	-2.022	-2.711	0.657	-	-3.47	-2.813	
				64	-2.306	-2.949	0.395	-	-3.47	-3.075	
			SU	-	-6.178	-6.786	-3.461	-	-3.47	-6.931	
	183	**6865**	**242T**	**61**	**-1.692**	**-2.551**	**0.910**	**-**	**-3.47**	**-2.560**	
				62	-2.036	-3.059	0.493	-	-3.47	-2.977	
				64	-2.143	-2.541	0.673	-	-3.47	-2.797	
			SU	-	-6.821	-7.805	-4.275	-	-3.47	-7.745	
UNII-8	199	6945	242T	61	-1.900	-2.659	0.747	-	-3.98	-3.233	
				62	-2.256	-2.614	0.579	-	-3.98	-3.401	
				64	-2.414	-2.561	0.523	-	-3.98	-3.457	
			SU	-	-7.027	-7.164	-4.085	-	-3.98	-8.065	
	215	7025	242T	61	-1.991	-2.986	0.550	-	-3.98	-3.430	
				62	-2.331	-3.075	0.323	-	-3.98	-3.657	
				64	-2.598	-2.947	0.241	-	-3.98	-3.739	
			SU	-	-6.873	-7.418	-4.127	-	-3.98	-8.107	

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

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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	9.37	8.49	11.96	-3.45	8.51	30.00
				0U	9.04	8.72	11.89	-3.45	8.44	
				36U	9.13	9.33	12.24	-3.45	8.79	
			52T	37L	9.35	8.50	11.96	-3.45	8.51	
				37U	9.02	8.73	11.89	-3.45	8.44	
				52U	9.10	9.38	12.25	-3.45	8.80	
			106T	53L	9.35	8.45	11.93	-3.45	8.48	
				53U	8.97	8.69	11.84	-3.45	8.39	
				60U	9.10	9.29	12.21	-3.45	8.76	
			242T	61L	9.43	8.59	12.04	-3.45	8.59	
				61U	8.99	8.70	11.86	-3.45	8.41	
				64U	9.15	9.28	12.23	-3.45	8.78	
			484T	65L	9.28	8.58	11.95	-3.45	8.50	
				66L	9.02	8.62	11.83	-3.45	8.38	
				66U	9.06	9.22	12.15	-3.45	8.70	
			996T	67L	9.16	8.54	11.87	-3.45	8.42	
				67U	8.92	8.96	11.95	-3.45	8.50	
			SU	-	9.07	9.06	12.08	-3.45	8.63	
	47	6185	26T	0L	9.40	7.77	11.67	-3.45	8.22	
				0U	9.52	8.55	12.07	-3.45	8.62	
				36U	9.67	8.44	12.11	-3.45	8.66	
			52T	37L	9.86	8.61	12.29	-3.45	8.84	
				37U	9.50	8.60	12.08	-3.45	8.63	
				52U	9.65	8.53	12.14	-3.45	8.69	
			106T	53L	9.80	8.55	12.23	-3.45	8.78	
				53U	9.45	8.50	12.01	-3.45	8.56	
				60U	9.62	8.44	12.08	-3.45	8.63	
			242T	61L	9.86	8.58	12.28	-3.45	8.83	
				61U	9.46	8.48	12.01	-3.45	8.56	
				64U	9.67	8.52	12.14	-3.45	8.69	
			484T	65L	9.15	8.16	11.69	-3.45	8.24	
				66L	9.46	8.66	12.09	-3.45	8.64	
				66U	9.56	8.67	12.15	-3.45	8.70	
			996T	67L	9.52	8.62	12.10	-3.45	8.65	
				67U	9.36	8.61	12.01	-3.45	8.56	
			SU	-	9.46	8.87	12.19	-3.45	8.74	
	79	6345	26T	0L	9.10	8.63	11.88	-3.45	8.43	
				0U	9.64	8.20	11.99	-3.45	8.54	
				36U	9.69	7.20	11.63	-3.45	8.18	
			52T	37L	9.09	8.63	11.88	-3.45	8.43	
				37U	9.63	8.20	11.98	-3.45	8.53	
				52U	9.98	7.56	11.95	-3.45	8.50	
			106T	53L	9.57	9.05	12.33	-3.45	8.88	
				53U	9.58	8.09	11.91	-3.45	8.46	
				60U	9.99	7.59	11.96	-3.45	8.51	
			242T	61L	9.62	9.08	12.37	-3.45	8.92	
				61U	9.63	8.07	11.93	-3.45	8.48	
				64U	9.98	7.68	11.99	-3.45	8.54	
			484T	65L	9.52	8.87	12.22	-3.45	8.77	
				66L	9.46	8.26	11.91	-3.45	8.46	
				66U	9.96	7.60	11.95	-3.45	8.50	
			996T	67L	9.42	8.51	12.00	-3.45	8.55	
				67U	9.75	7.70	11.86	-3.45	8.41	
			SU	-	9.62	8.29	12.02	-3.45	8.57	

* 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-5	15	6025	26T	0L	-0.76	-0.98	2.14	-3.45	-1.31	24.00
				0U	-1.09	-0.81	2.06	-3.45	-1.39	
				36U	-1.34	-0.74	1.98	-3.45	-1.47	
			52T	37L	1.78	2.00	4.90	-3.45	1.45	
				37U	1.41	2.20	4.83	-3.45	1.38	
				52U	1.43	2.89	5.23	-3.45	1.78	
			106T	53L	4.61	4.90	7.77	-3.45	4.32	
				53U	4.22	5.02	7.65	-3.45	4.20	
				60U	4.31	5.70	8.07	-3.45	4.62	
			242T	61L	9.43	8.59	12.04	-3.45	8.59	
				61U	8.99	8.70	11.86	-3.45	8.41	
				64U	9.15	9.28	12.23	-3.45	8.78	
			484T	65L	9.28	8.58	11.95	-3.45	8.50	
				66L	9.02	8.62	11.83	-3.45	8.38	
				66U	9.06	9.22	12.15	-3.45	8.70	
			996T	67L	9.16	8.54	11.87	-3.45	8.42	
				67U	8.92	8.96	11.95	-3.45	8.50	
			SU	-	9.07	9.06	12.08	-3.45	8.63	
	47	6185	26T	0L	-0.50	-1.18	2.18	-3.45	-1.27	
				0U	-0.81	-1.27	1.98	-3.45	-1.47	
				36U	-0.59	-1.25	2.10	-3.45	-1.35	
			52T	37L	2.36	1.62	5.02	-3.45	1.57	
				37U	1.95	1.61	4.79	-3.45	1.34	
				52U	2.12	1.62	4.89	-3.45	1.44	
			106T	53L	5.18	4.47	7.85	-3.45	4.40	
				53U	4.75	4.48	7.63	-3.45	4.18	
				60U	4.94	4.44	7.71	-3.45	4.26	
			242T	61L	9.86	8.58	12.28	-3.45	8.83	
				61U	9.46	8.48	12.01	-3.45	8.56	
				64U	9.67	8.52	12.14	-3.45	8.69	
			484T	65L	9.15	8.16	11.69	-3.45	8.24	
				66L	9.46	8.66	12.09	-3.45	8.64	
				66U	9.56	8.67	12.15	-3.45	8.70	
			996T	67L	9.52	8.62	12.10	-3.45	8.65	
				67U	9.36	8.61	12.01	-3.45	8.56	
			SU	-	9.46	8.87	12.19	-3.45	8.74	
	79	6345	26T	0L	-0.36	-1.19	2.26	-3.45	-1.19	
				0U	-0.18	-1.70	2.14	-3.45	-1.31	
				36U	0.41	-2.11	2.34	-3.45	-1.11	
			52T	37L	2.55	1.57	5.10	-3.45	1.65	
				37U	2.72	1.01	4.96	-3.45	1.51	
				52U	3.19	0.66	5.12	-3.45	1.67	
			106T	53L	5.23	4.84	8.05	-3.45	4.60	
				53U	5.34	3.82	7.66	-3.45	4.21	
				60U	5.96	3.31	7.84	-3.45	4.39	
			242T	61L	9.62	9.08	12.37	-3.45	8.92	
				61U	9.63	8.07	11.93	-3.45	8.48	
				64U	9.98	7.68	11.99	-3.45	8.54	
			484T	65L	9.52	8.87	12.22	-3.45	8.77	
				66L	9.46	8.26	11.91	-3.45	8.46	
				66U	9.96	7.60	11.95	-3.45	8.50	
			996T	67L	9.42	8.51	12.00	-3.45	8.55	
				67U	9.75	7.70	11.86	-3.45	8.41	
			SU	-	9.62	8.29	12.02	-3.45	8.57	

* 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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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	-0.76	-0.86	2.20	-3.60	-1.40	24.00
				0U	-0.70	-1.77	1.81	-3.60	-1.79	
				36U	-0.16	-2.31	1.91	-3.60	-1.69	
			52T	37L	1.93	1.86	4.91	-3.60	1.31	
				37U	2.03	0.93	4.53	-3.60	0.93	
				52U	2.53	0.42	4.61	-3.60	1.01	
			106T	53L	4.84	5.10	7.98	-3.60	4.38	
				53U	4.99	4.14	7.60	-3.60	4.00	
				60U	5.43	3.58	7.61	-3.60	4.01	
			242T	61L	9.32	9.23	12.29	-3.60	8.69	
				61U	9.29	8.11	11.75	-3.60	8.15	
				64U	9.74	7.67	11.84	-3.60	8.24	
			484T	65L	9.16	8.86	12.02	-3.60	8.42	
				66L	9.08	8.35	11.74	-3.60	8.14	
				66U	9.53	7.80	11.76	-3.60	8.16	
			996T	67L	9.06	8.59	11.84	-3.60	8.24	
				67U	9.31	7.80	11.63	-3.60	8.03	
			SU	-	9.29	8.18	11.78	-3.60	8.18	

* 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	9.05	9.28	12.18	-3.47	8.71	30.00
				0U	9.23	8.84	12.05	-3.47	8.58	
				36U	9.61	9.22	12.43	-3.47	8.96	
			52T	37L	9.03	9.30	12.18	-3.47	8.71	
				37U	9.24	8.84	12.05	-3.47	8.58	
				52U	9.56	9.19	12.39	-3.47	8.92	
			106T	53L	9.04	9.24	12.15	-3.47	8.68	
				53U	9.16	8.73	11.96	-3.47	8.49	
				60U	9.55	9.18	12.38	-3.47	8.91	
			242T	61L	9.12	9.23	12.19	-3.47	8.72	
				61U	9.22	8.80	12.03	-3.47	8.56	
				64U	9.60	9.16	12.40	-3.47	8.93	
			484T	65L	9.58	9.53	12.57	-3.47	9.10	
				66L	9.59	9.26	12.44	-3.47	8.97	
				66U	9.42	9.03	12.24	-3.47	8.77	
			996T	67L	8.95	8.84	11.91	-3.47	8.44	
				67U	9.30	8.82	12.08	-3.47	8.61	
			SU	-	9.18	8.80	12.00	-3.47	8.53	

* 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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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	-1.45	-0.73	1.94	-3.47	-1.53	23.00
				0U	-1.24	-1.31	1.74	-3.47	-1.73	
				36U	-0.77	-1.22	2.02	-3.47	-1.45	
			52T	37L	1.81	2.25	5.05	-3.47	1.58	
				37U	1.96	1.55	4.77	-3.47	1.30	
				52U	2.40	1.86	5.15	-3.47	1.68	
			106T	53L	4.53	5.12	7.85	-3.47	4.38	
				53U	4.73	4.61	7.68	-3.47	4.21	
				60U	5.16	5.11	8.15	-3.47	4.68	
			242T	61L	9.12	9.23	12.19	-3.47	8.72	
				61U	9.22	8.80	12.03	-3.47	8.56	
				64U	9.60	9.16	12.40	-3.47	8.93	
			484T	65L	9.58	9.53	12.57	-3.47	9.10	
				66L	9.59	9.26	12.44	-3.47	8.97	
				66U	9.42	9.03	12.24	-3.47	8.77	
			996T	67L	8.95	8.84	11.91	-3.47	8.44	
				67U	9.30	8.82	12.08	-3.47	8.61	
			SU	-	9.18	8.80	12.00	-3.47	8.53	
	175	6825	26T	0L	-1.40	-0.76	1.94	-3.47	-1.53	
				0U	-1.28	-0.60	2.08	-3.47	-1.39	
				36U	-1.48	-0.66	1.96	-3.47	-1.51	
			52T	37L	1.31	1.89	4.62	-3.47	1.15	
				37U	1.41	1.94	4.69	-3.47	1.22	
				52U	1.70	2.52	5.14	-3.47	1.67	
			106T	53L	4.50	5.61	8.10	-3.47	4.63	
				53U	4.33	5.65	8.05	-3.47	4.58	
				60U	3.84	5.70	7.88	-3.47	4.41	
			242T	61L	9.56	8.27	11.97	-3.47	8.50	
				61U	9.25	8.34	11.83	-3.47	8.36	
				64U	9.33	8.84	12.10	-3.47	8.63	
			484T	65L	9.42	8.06	11.80	-3.47	8.33	
				66L	9.28	8.09	11.74	-3.47	8.27	
				66U	9.29	8.56	11.95	-3.47	8.48	
			996T	67L	9.32	8.07	11.75	-3.47	8.28	
				67U	9.26	8.38	11.85	-3.47	8.38	
			SU	-	9.36	8.16	11.81	-3.47	8.34	

* 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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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	-1.10	-1.05	1.94	-3.98	-2.04	24.00
				0U	-1.36	-0.49	2.11	-3.98	-1.87	
				36U	-1.67	-0.32	2.07	-3.98	-1.91	
			52T	37L	1.62	2.32	4.99	-3.98	1.01	
				37U	0.75	2.48	4.71	-3.98	0.73	
				52U	0.90	2.88	5.01	-3.98	1.03	
			106T	53L	5.21	5.72	8.48	-3.98	4.50	
				53U	4.38	5.72	8.11	-3.98	4.13	
				60U	4.06	5.66	7.94	-3.98	3.96	
			242T	61L	9.63	8.65	12.18	-3.98	8.20	
				61U	8.86	8.57	11.73	-3.98	7.75	
				64U	9.08	9.01	12.06	-3.98	8.08	
			484T	65L	9.82	8.92	12.40	-3.98	8.42	
				66L	9.36	8.86	12.13	-3.98	8.15	
				66U	8.92	8.95	11.95	-3.98	7.97	
			996T	67L	9.58	8.94	12.28	-3.98	8.30	
				67U	8.96	8.89	11.94	-3.98	7.96	
			SU	-	9.36	8.74	12.07	-3.98	8.09	

* 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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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	6.765	6.319	9.558	-	-3.45	6.108	17.00
				0U	6.153	6.496	9.338	-	-3.45	5.888	
				36U	7.038	6.699	9.882	-	-3.45	6.432	
			SU	-	-10.013	-9.693	-6.840	-	-3.45	-10.290	
	47	6185	26T	0L	6.872	5.311	9.172	-	-3.45	5.722	
				0U	6.767	6.130	9.470	-	-3.45	6.020	
				36U	7.007	6.156	9.613	-	-3.45	6.163	
			SU	-	-9.396	-10.090	-6.719	-	-3.45	-10.169	
	79	6345	26T	0L	6.307	5.960	9.147	-	-3.45	5.697	
				0U	6.908	5.979	9.479	-	-3.45	6.029	
				36U	7.113	4.646	9.063	-	-3.45	5.613	
			SU	-	-9.438	-10.529	-6.939	-	-3.45	-10.389	
UNII-7	**143**	**6665**	**26T**	0L	6.898	6.930	9.924	-	-3.47	6.454	
				0U	7.390	6.312	9.895	-	-3.47	6.425	
				36U	**7.638**	**6.805**	**10.252**	**-**	**-3.47**	**6.782**	
			SU	-	-9.668	-10.040	-6.840	-	-3.47	-10.310	

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

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-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	242T	61L	-2.137	-2.857	0.528	-	-3.45	-2.922	-1.00
				61U	-2.327	-2.806	0.450	-	-3.45	-3.000	
				64U	-2.421	-2.110	0.748	-	-3.45	-2.702	
			SU	-	-10.013	-9.693	-6.840	-	-3.45	-10.290	
	47	**6185**	242T	61L	-1.665	-2.947	0.751	-	-3.45	-2.699	
				61U	-1.753	-3.090	0.640	-	-3.45	-2.810	
				64U	-1.844	-2.986	0.633	-	-3.45	-2.817	
			SU	-	-9.396	-10.090	-6.719	-	-3.45	-10.169	
	79	6345	242T	61L	-1.819	-2.361	0.929	-	-3.45	-2.521	
				61U	-1.782	-3.036	0.646	-	-3.45	-2.804	
				64U	-1.419	-3.905	0.524	-	-3.45	-2.926	
			SU	-	-9.438	-10.529	-6.939	-	-3.45	-10.389	
UNII-6	111	6505	242T	61L	-2.413	-2.522	0.543	-	-3.60	-3.057	
				61U	-2.132	-3.621	0.197	-	-3.60	-3.403	
				64U	-1.567	-3.847	0.451	-	-3.60	-3.149	
			SU	-	-9.547	-10.768	-7.104	-	-3.60	-10.704	
UNII-7	**143**	**6665**	**242T**	61L	-2.140	-2.048	0.917	-	-3.47	-2.553	
				61U	-2.106	-2.484	0.719	-	-3.47	-2.751	
				64U	**-1.748**	**-2.339**	**0.977**	**-**	**-3.47**	**-2.493**	
			SU	-	-9.668	-10.040	-6.840	-	-3.47	-10.310	
	175	6825	242T	61L	-2.076	-3.088	0.458	-	-3.47	-3.012	
				61U	-2.315	-3.154	0.296	-	-3.47	-3.174	
				64U	-2.188	-2.668	0.589	-	-3.47	-2.881	
			SU	-	-9.665	-10.341	-6.980	-	-3.47	-10.450	
UNII-8	207	6985	242T	61L	-1.543	-2.766	0.899	-	-3.98	-3.081	
				61U	-2.546	-2.715	0.381	-	-3.98	-3.599	
				64U	-2.239	-2.354	0.714	-	-3.98	-3.266	
			SU	-	-9.454	-9.739	-6.584	-	-3.98	-10.564	

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

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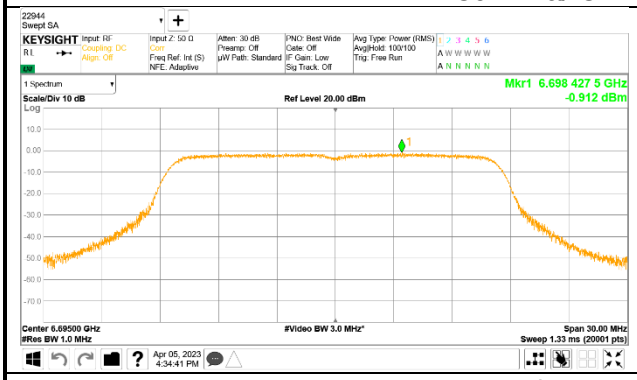
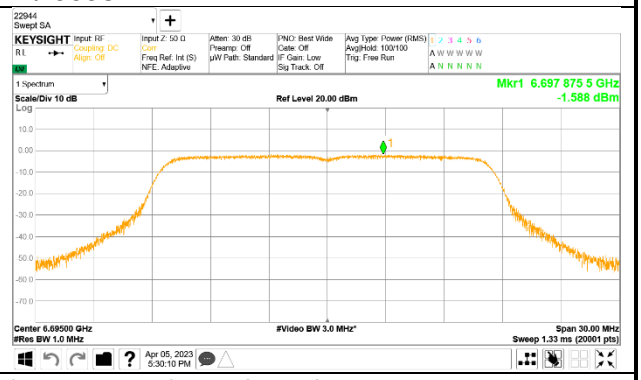
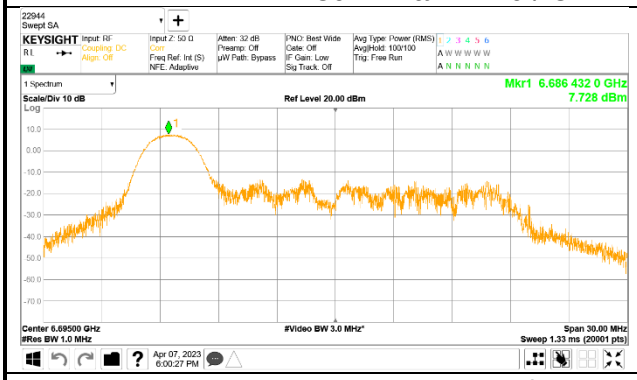
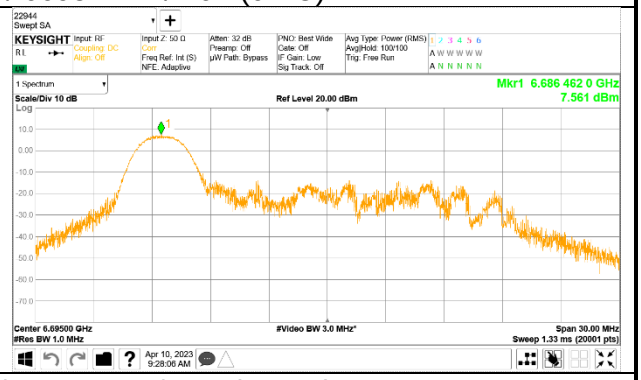
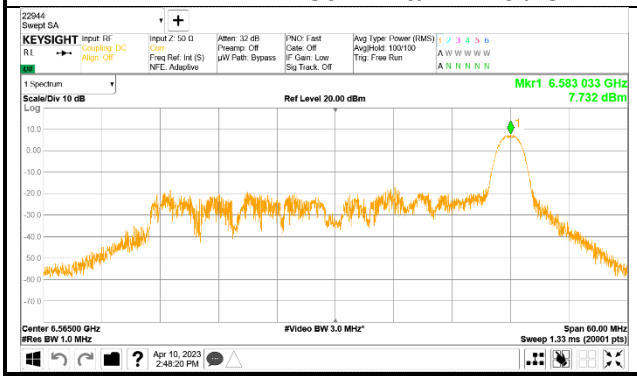
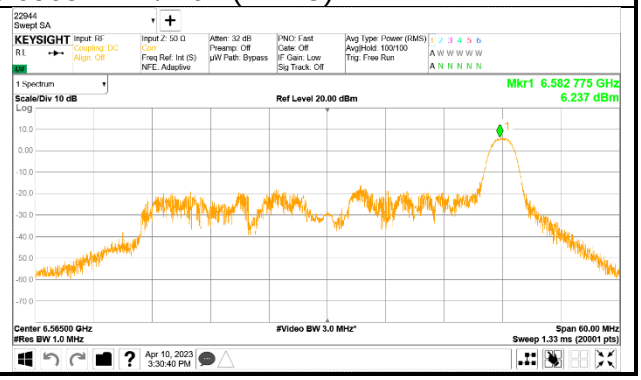
10.1.6. PPSD PLOTS (WORST CASE)

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

ANT1	ANT2
802.11a/ U-NII-7 / 6695 MHz	
	
802.11 ax HE20 / U-NII-7 / 6695 MHz / 26T (0 RU)	
	
802.11 ax HE40 / U-NII-7 / 6565 MHz / 26T (17 RU)	
	

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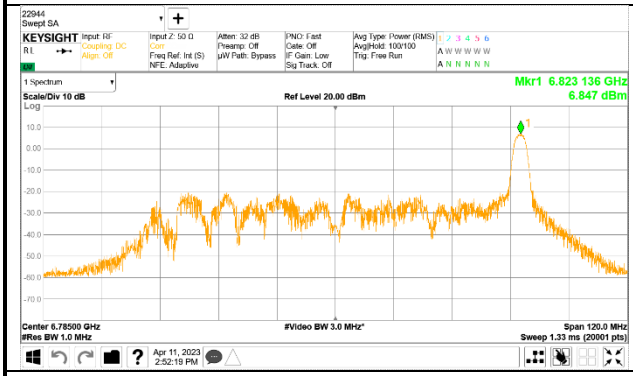
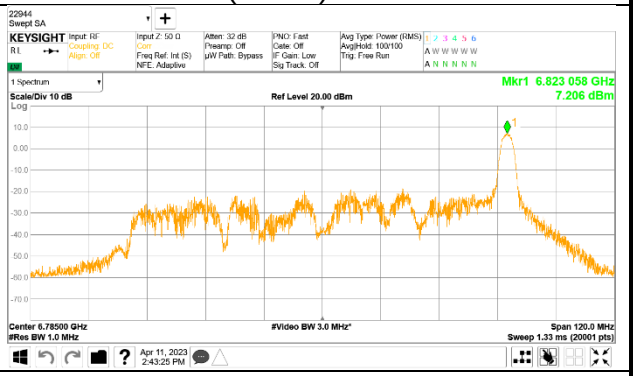
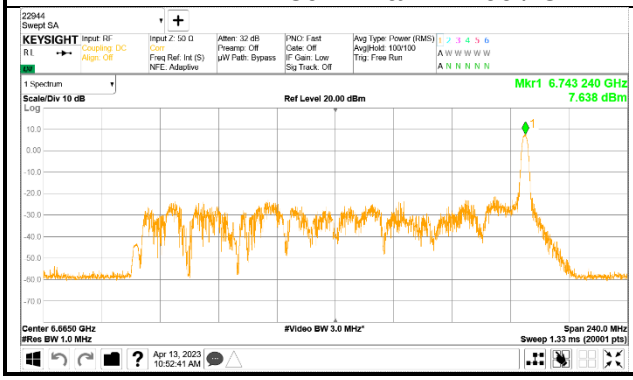
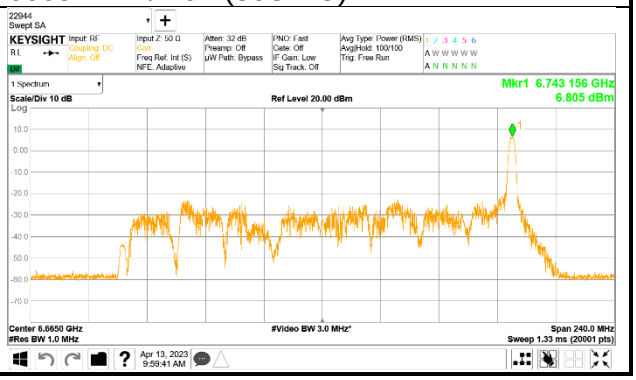
ANT1	ANT2
802.11 ax HE80 / U-NII-7 / 6785 MHz / 26T (36 RU)	
	
802.11 ax HE160 / U-NII-7 / 6665 MHz / 26T (36U RU)	
	

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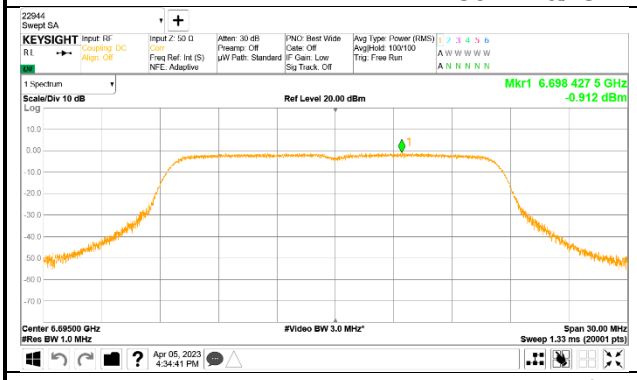
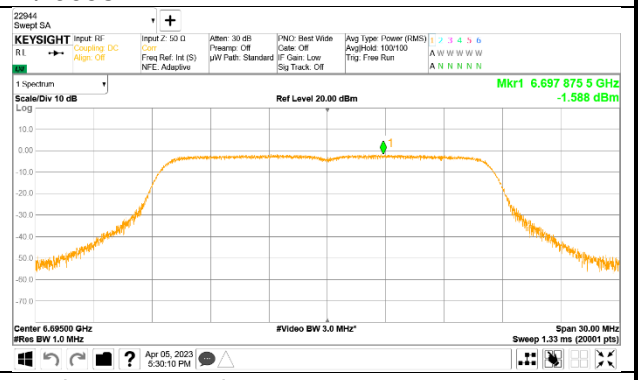
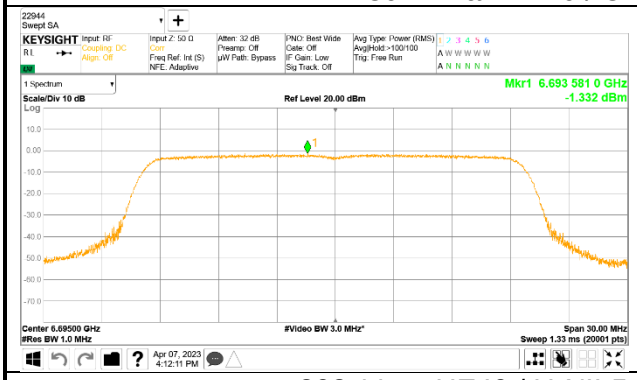
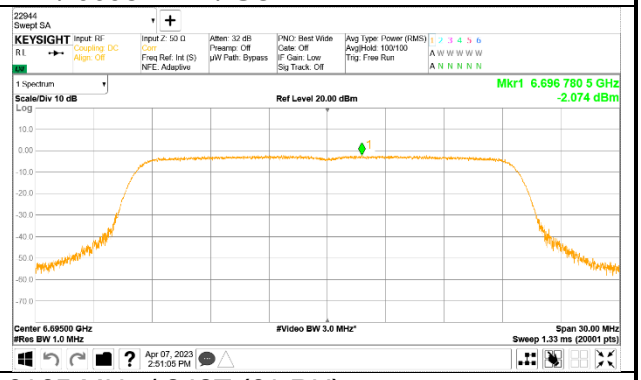
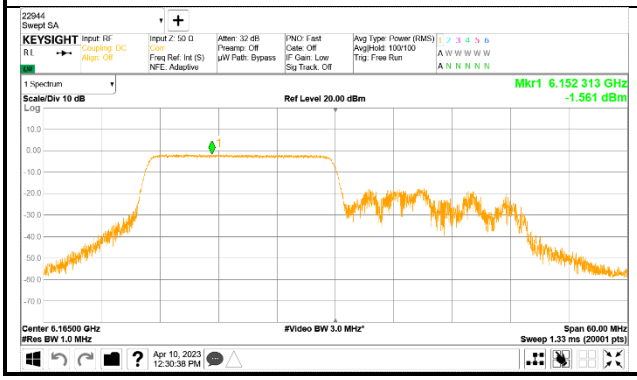
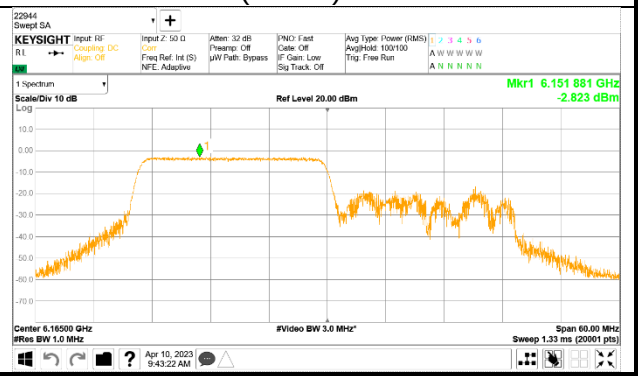
- 6XD (Indoor Client)

ANT1	ANT2
802.11a/ U-NII-7 / 6695 MHz	
	
802.11 ax HE20 / U-NII-7 / 6695 MHz / SU	
	
802.11 ax HE40 / U-NII-5 / 6165 MHz / 242T (61 RU)	
	

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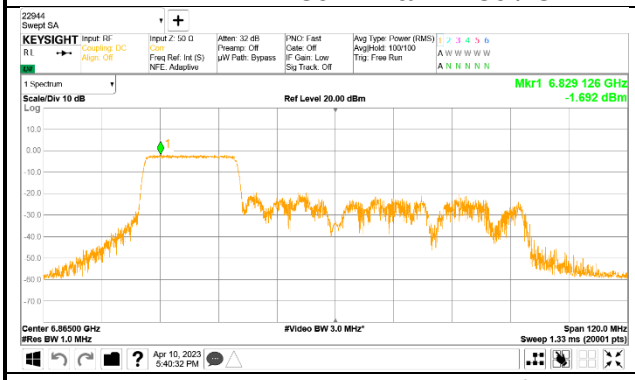
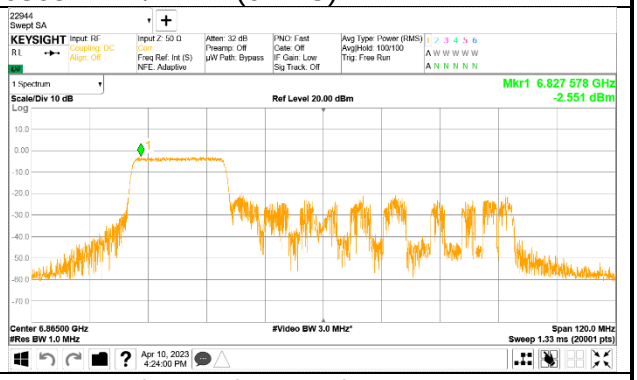
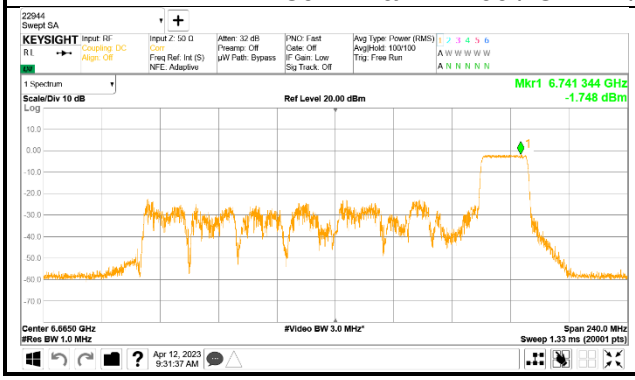
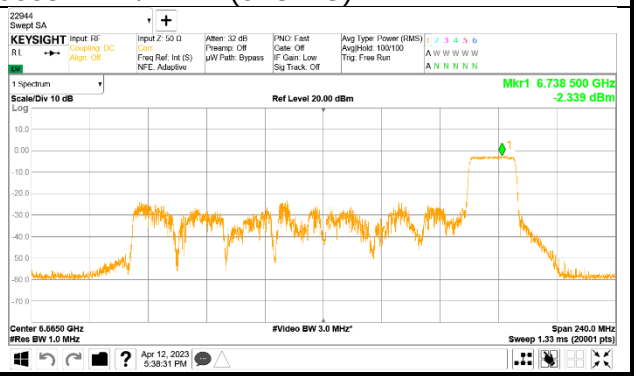
ANT1	ANT2
802.11 ax HE80 / U-NII-7 / 6865 MHz / 242T (61 RU)	
	
802.11 ax HE160 / U-NII-7/ 6665 MHz / 242T (64U RU)	
	

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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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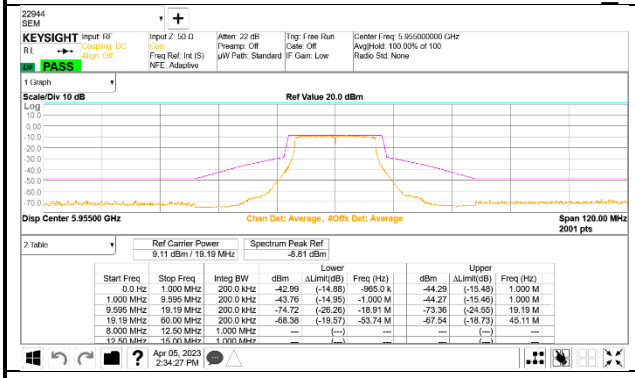
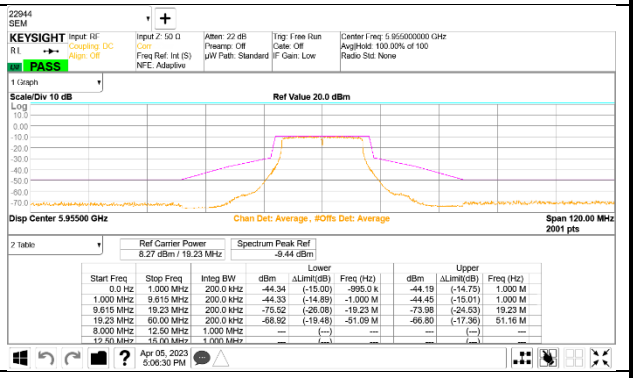
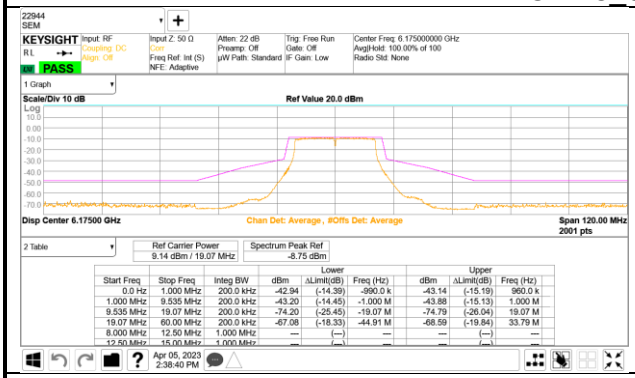
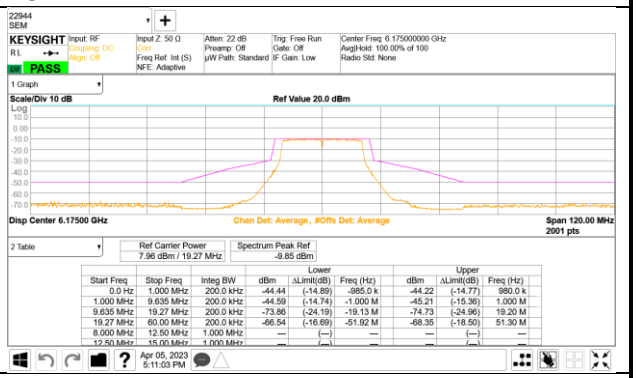
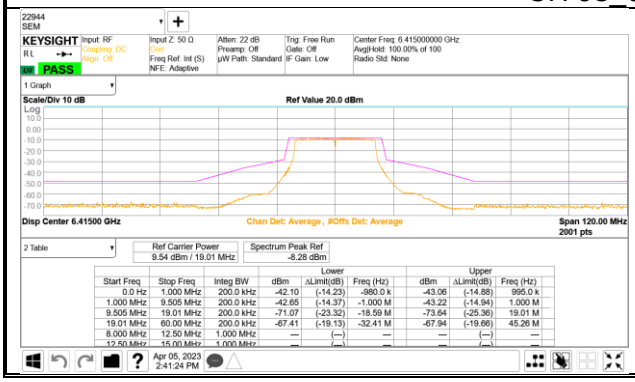
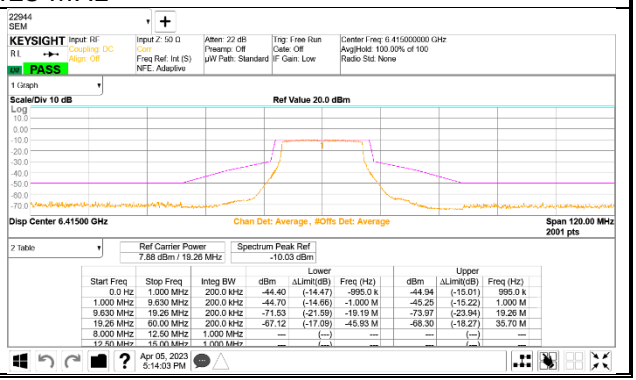
10.2.1. 802.11 a MODE

- 6CD & 6XD

802.11 a / UNII-5

ANT1	ANT2
CH 1_5955 MHz	
	
CH 45_6175 MHz	
	
CH 93_6415 MHz	
	

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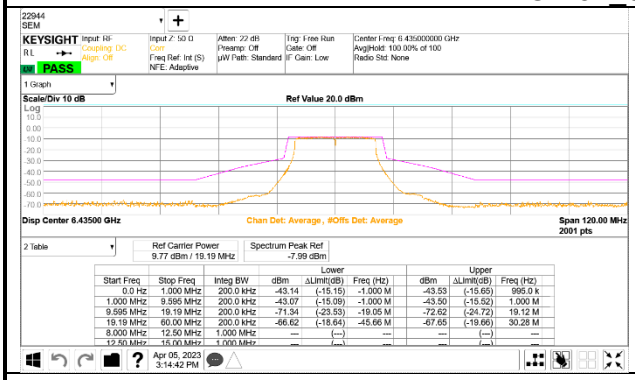
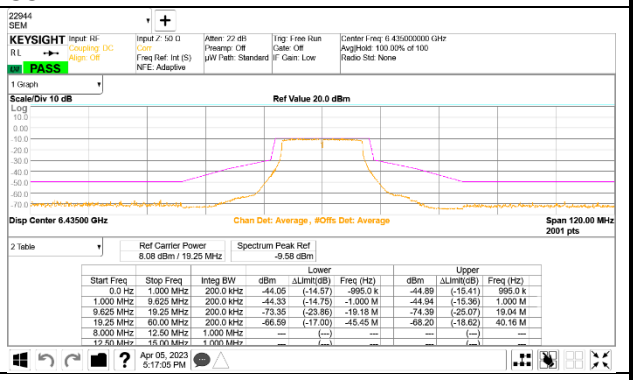
- 6XD

802.11 a / UNII-6

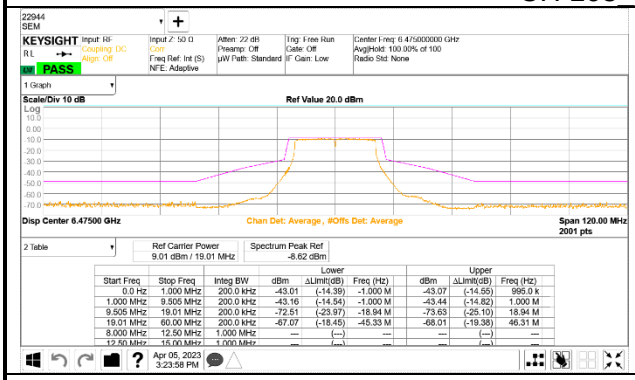
ANT1

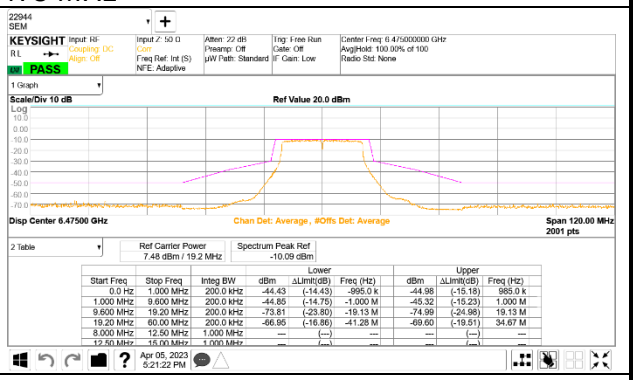
CH 97_6435 MHz



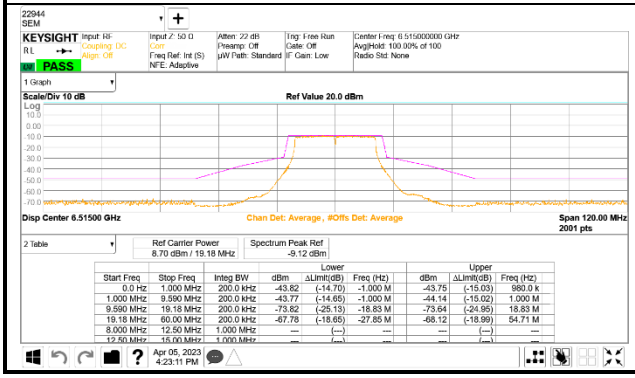


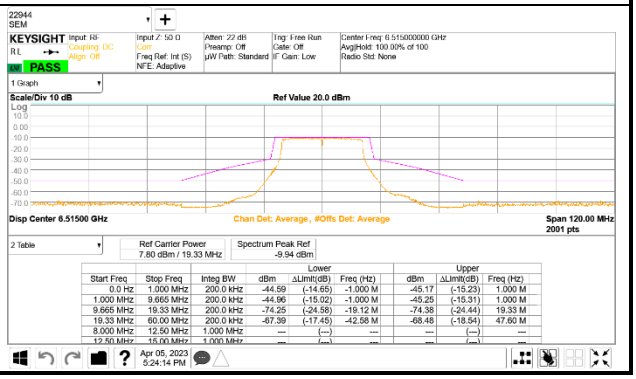
CH 105_6475 MHz





CH 113 6515 MHz





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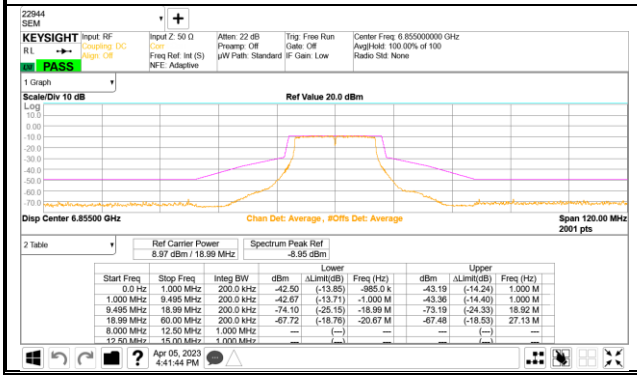
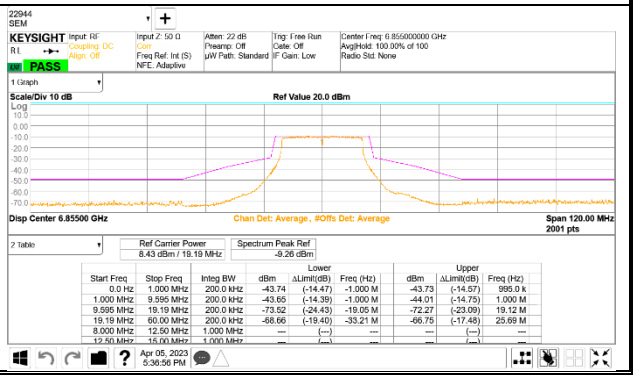
- 6CD

802.11 a / UNII-7	
ANT1	ANT2
CH 181 6855 MHz	
	

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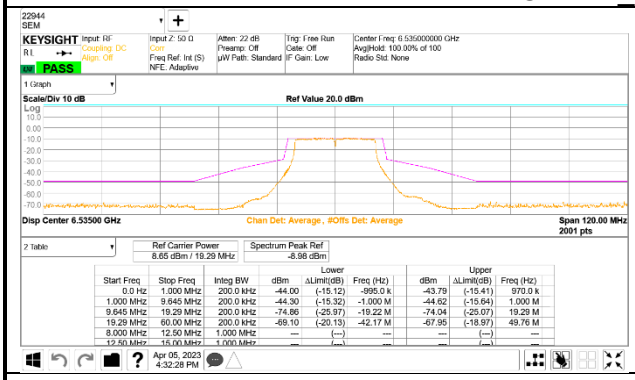
- 6XD

802.11 a / UNII-7

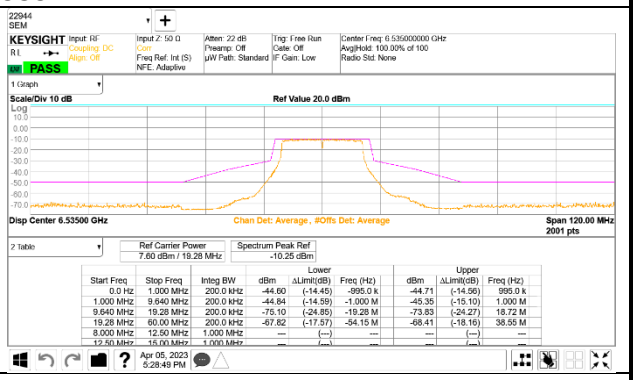
ANT1

CH 117_6535 MHz

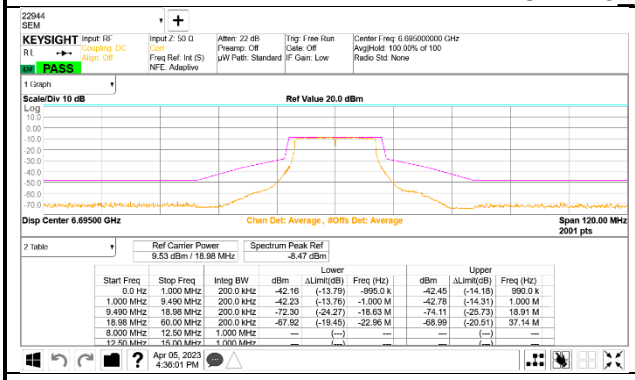


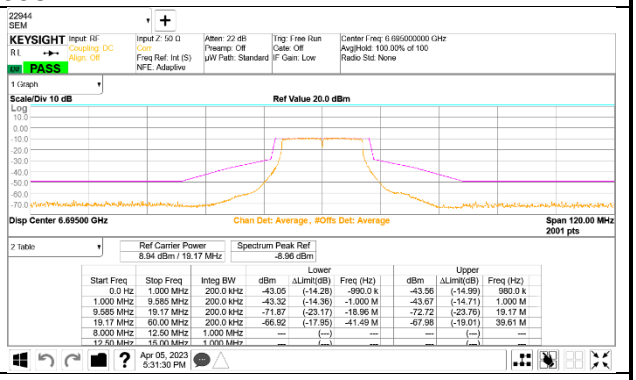
ANT2

CH 117_6535 MHz

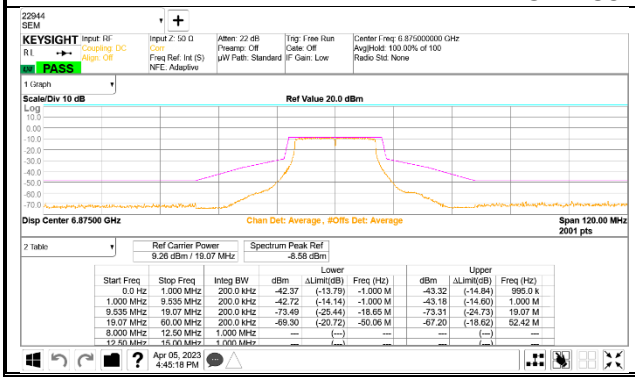


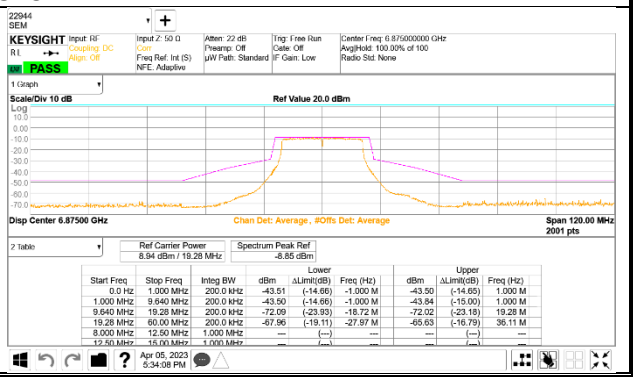
CH 149_6695 MHz





CH 185_6875 MHz





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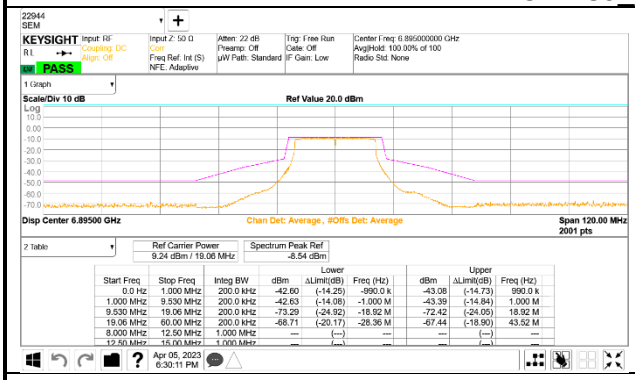
- 6XD

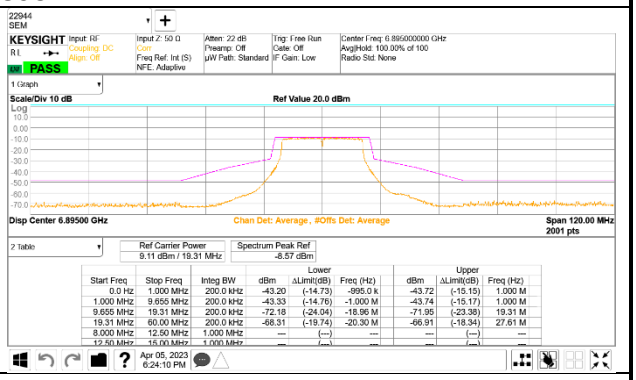
802.11 a / UNII-8

ANT1

CH 189_6895 MHz

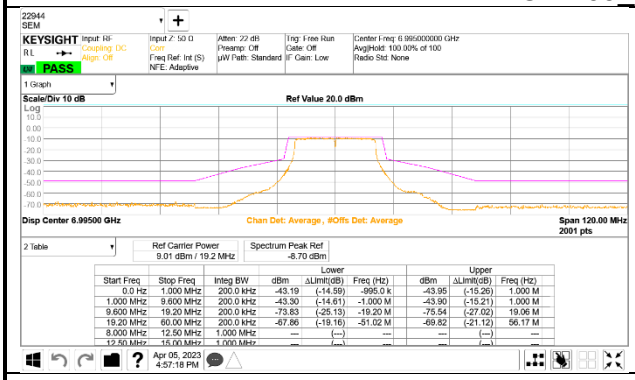


Lower						Upper		
Start Freq	Stop Freq	Integ BW	dBm	ΔLimit(dB)	Freq (Hz)	dBm	ΔLimit(dB)	Freq (Hz)
0.0 Hz	1.000 MHz	200.0 kHz	-42.60	(-14.25)	-990.0 k	-43.08	(-14.73)	990.0 k
1.000 MHz	9.530 MHz	200.0 kHz	-42.63	(-14.08)	-1.000 M	-43.39	(-14.84)	1.000 M
9.530 MHz	19.06 MHz	200.0 kHz	-73.29	(-24.92)	-18.92 M	-72.42	(-24.05)	18.92 M
19.06 MHz	60.00 MHz	200.0 kHz	-68.71	(-20.17)	-28.36 M	-67.44	(-18.90)	43.52 M
8.000 MHz	12.50 MHz	1.000 MHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

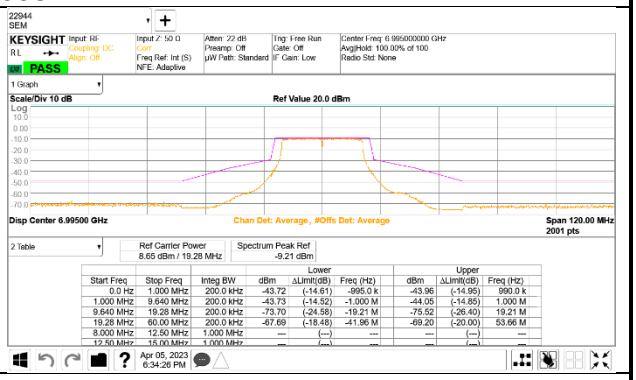


Lower						Upper		
Start Freq	Stop Freq	Integ BW	dBm	ΔLimit(dB)	Freq (Hz)	dBm	ΔLimit(dB)	Freq (Hz)
0.0 Hz	1.000 MHz	200.0 kHz	-43.20	(-14.73)	-995.0 k	-43.72	(-15.15)	1.000 M
1.000 MHz	9.655 MHz	200.0 kHz	-43.33	(-14.76)	-1.000 M	-43.74	(-15.17)	1.000 M
9.655 MHz	19.31 MHz	200.0 kHz	-72.18	(-24.04)	-18.96 M	-71.95	(-23.38)	19.31 M
19.31 MHz	60.00 MHz	200.0 kHz	-68.31	(-19.74)	-20.30 M	-66.91	(-18.34)	27.61 M
8.000 MHz	12.50 MHz	1.000 MHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

CH 209_6995 MHz

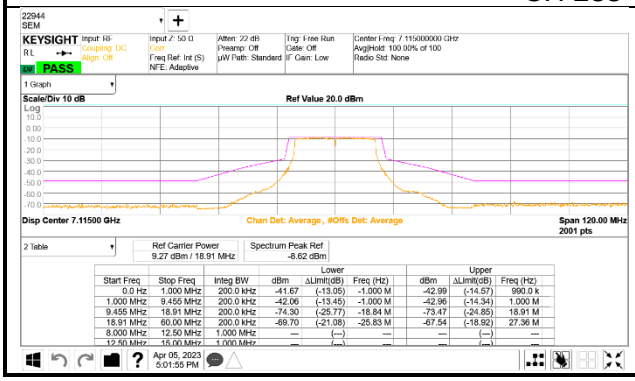


Lower						Upper		
Start Freq	Stop Freq	Integ BW	dBm	ΔLimit(dB)	Freq (Hz)	dBm	ΔLimit(dB)	Freq (Hz)
0.0 Hz	1.000 MHz	200.0 kHz	-43.19	(-14.59)	-995.0 k	-43.95	(-15.26)	1.000 M
1.000 MHz	9.600 MHz	200.0 kHz	-43.30	(-14.61)	-1.000 M	-43.90	(-15.21)	1.000 M
9.600 MHz	19.20 MHz	200.0 kHz	-73.83	(-25.13)	-19.20 M	-75.54	(-27.02)	19.06 M
19.20 MHz	60.00 MHz	200.0 kHz	-67.86	(-19.16)	-51.02 M	-69.82	(-21.12)	56.17 M
8.000 MHz	12.50 MHz	1.000 MHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

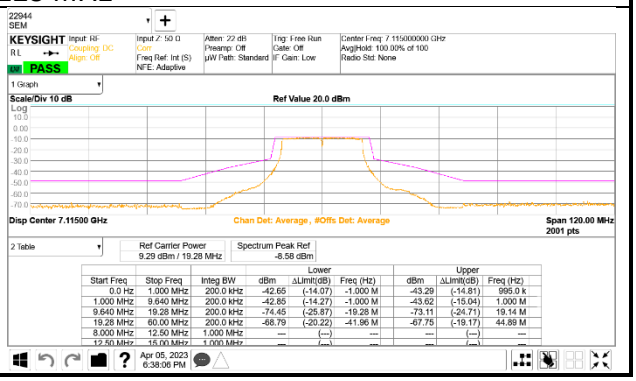


Lower						Upper		
Start Freq	Stop Freq	Integ BW	dBm	ΔLimit(dB)	Freq (Hz)	dBm	ΔLimit(dB)	Freq (Hz)
0.0 Hz	1.000 MHz	200.0 kHz	-43.72	(-14.61)	-995.0 k	-43.96	(-14.95)	990.0 k
1.000 MHz	9.640 MHz	200.0 kHz	-43.73	(-14.52)	-1.000 M	-44.05	(-14.85)	1.000 M
9.640 MHz	19.28 MHz	200.0 kHz	-73.70	(-24.58)	-19.21 M	-75.52	(-26.40)	19.21 M
19.28 MHz	60.00 MHz	200.0 kHz	-67.69	(-18.48)	-41.96 M	-69.20	(-20.00)	53.66 M
8.000 MHz	12.50 MHz	1.000 MHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

CH 233 7115 MHz



Lower						Upper		
Start Freq	Stop Freq	Integ BW	dBm	ΔLimit(dB)	Freq (Hz)	dBm	ΔLimit(dB)	Freq (Hz)
0.0 Hz	1.000 MHz	200.0 kHz	-41.67	(-13.05)	-1.000 M	-42.99	(-14.57)	990.0 k
1.000 MHz	9.455 MHz	200.0 kHz	-42.06	(-13.45)	-1.000 M	-42.96	(-14.34)	1.000 M
9.455 MHz	18.91 MHz	200.0 kHz	-74.30	(-25.77)	-18.84 M	-73.47	(-24.85)	18.91 M
18.91 MHz	60.00 MHz	200.0 kHz	-69.70	(-21.08)	-25.83 M	-67.54	(-18.92)	27.36 M
8.000 MHz	12.50 MHz	1.000 MHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---



Lower						Upper		
Start Freq	Stop Freq	Integ BW	dBm	ΔLimit(dB)	Freq (Hz)	dBm	ΔLimit(dB)	Freq (Hz)
0.0 Hz	1.000 MHz	200.0 kHz	-42.65	(-14.07)	-1.000 M	-43.29	(-14.81)	995.0 k
1.000 MHz	9.640 MHz	200.0 kHz	-42.85	(-14.27)	-1.000 M	-43.62	(-15.04)	1.000 M
9.640 MHz	19.28 MHz	200.0 kHz	-74.45	(-25.87)	-19.28 M	-73.11	(-24.71)	19.14 M
19.28 MHz	60.00 MHz	200.0 kHz	-68.79	(-20.22)	-41.96 M	-67.75	(-19.17)	44.89 M
8.000 MHz	12.50 MHz	1.000 MHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

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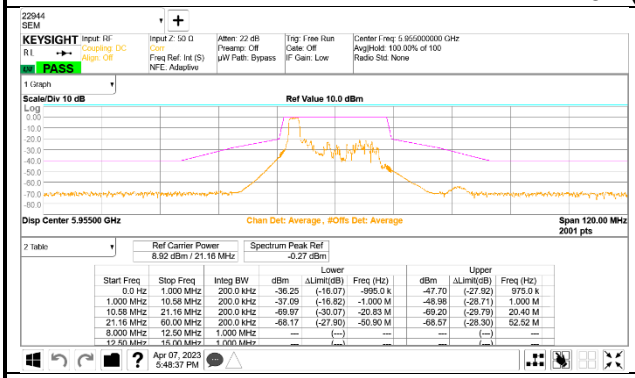
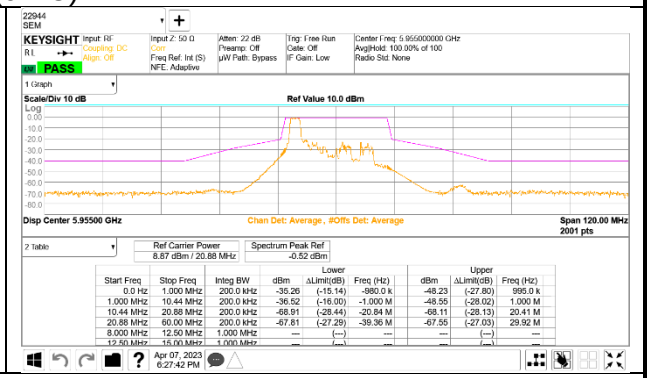
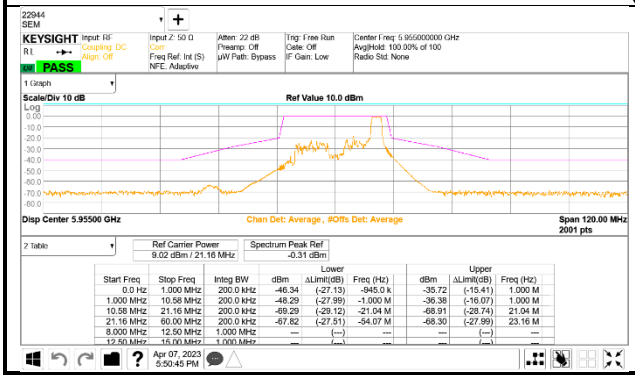
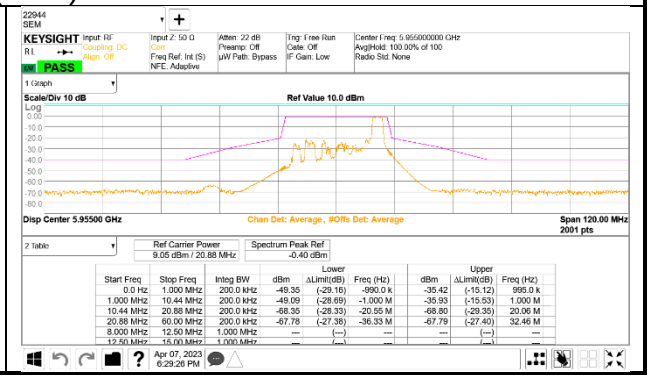
10.2.2. 802.11 ax HE20 MODE

- 6CD

802.11 ax HE20 / UNII-5 / CH1 5955 MHz

ANT1	ANT2
26T (0 RU)	
	
26T (8 RU)	
	

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