

ERTIFICATION TEST REPORT

Report Number. : 4791196642-E9V1

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

Model : SC-55E, SCG28

FCC ID : A3LSMF956JPN

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:
2024-05-31

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Revision History

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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-55E, SCG28

SERIAL NUMBER: R3CX30KWKL R, R3CX30KWVVR (CONDUCTED);
R3CX30KWPEF, R3CX30KW SGL, R3CX30KWSPF (RADIATED);

DATE TESTED: 2024-05-09 ~ 2024-05-31

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
47 CFR 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:



Sungeun Lee
Suwon Lab Engineer
UL KOREA LTD.

2. TEST METHODOLOGY

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

1. FCC 47 CFR Part 2.
2. FCC 47 CFR Part 15.
3. KDB 789033 D02 General UNII Test Procedures New Rules v02r01
4. KDB 987594 D02 U-NII 6 GHz EMC Measurement v02v01
5. KDB 662911 D01 v02r01
6. ANSI C63.10-2013.

3. FACILITIES AND ACCREDITATION

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

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

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

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

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

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

$$\begin{aligned} \text{Field Strength (dBuV/m)} &= \text{Measured Voltage (dBuV)} + \text{Antenna Factor (dB/m)} + \\ &\text{Cable Loss (dB)} - \text{Preamp Gain (dB)} \\ 36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} &= 28.9 \text{ dBuV/m} \end{aligned}$$

$$\begin{aligned} \text{AC Corrected Reading (dBuV)} &= \text{Measured Voltage (dBuV)} + \text{Extension Cord} \\ &\text{Loss (dB)} + \text{Cable Loss (dB)} \\ 44.72 \text{ dBuV} &= 34.72 \text{ dBuV} + 9.9 \text{ dB} + 0.1 \text{ dB} \end{aligned}$$

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	2.79 dB
Radiated Disturbance, 9 kHz to 30 MHz	1.69 dB
Radiated Disturbance, 30 MHz to 1 GHz	4.07 dB
Radiated Disturbance, 1 GHz to 18 GHz	4.99 dB
Radiated Disturbance, Above 18 GHz	5.96 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 Clause 4.4.3 in IEC Guide 115:2023.

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 NII (WLAN) operational mode.

Representative model	Difference	Derivative model
		SCG28
SC-55E	Hardware	Same as SC-55E
	Software	Different UI

The model SC-55E was used for final testing and is representative of the test results in this report.

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

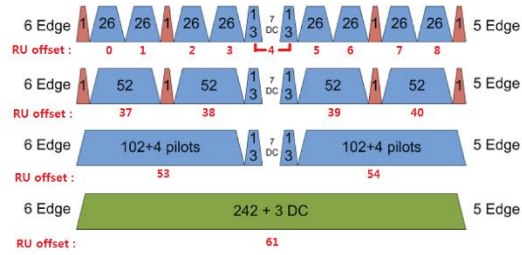
Simultaneous Tx Condition - RSDB

Mode	# of TX	5GHz WLAN		2.4GHz WLAN		Test Case
		ANT1	ANT2	ANT1	ANT2	
2.4GHz MIMO + 5GHz MIMO	4	O	O	O	O	O
2.4GHz MIMO + 6GHz MIMO	4	O	O	O	O	O

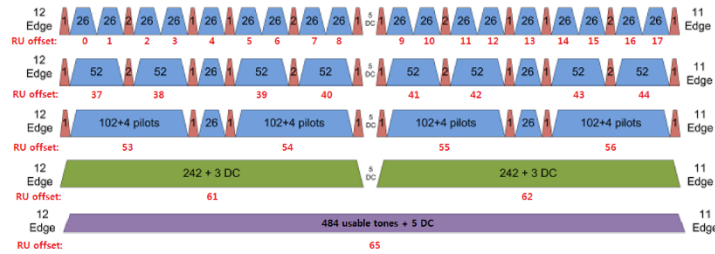
Note. Simultaneous transmission with the Bluetooth and Wi-Fi were investigated, and no noticeable emission was found.

802.11ax RU allocations

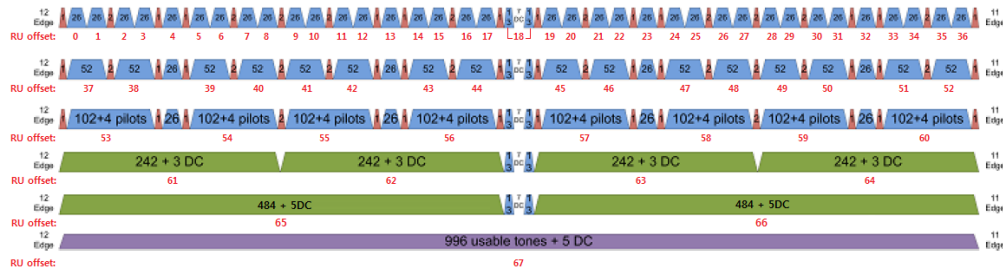
- HE 20 Mode - 20 MHz



- HE 40 Mode - 40 MHz



- HE 80(996T) & 160 Mode(996T + 996T) -



Test RU offset for tones in each modes

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

Note: 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.

Mode	80 + 80 MHz	Tones	RU offset
HE160	Lower 80 MHz	26T	0
			18
			36
	Upper 80 MHz		0
			18
			36
	Lower 80 MHz	52T	37
			45
			52
	Upper 80 MHz		37
			45
			52
	Lower 80 MHz	106T	53
			57
			60
	Upper 80 MHz		53
			57
			60
	Lower 80 MHz	242T	61
			62
64			
Upper 80 MHz	61		
	62		
	64		
Lower 80 MHz	484T	65	
		66	
		65	
Upper 80 MHz		66	
		66	
		66	
Lower 80 MHz	996T	67	
		67	
-	SU ^{Note}	-	

Note: Full RU(Resource Unit) 996T + 996T 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.

MAXIMUM OUTPUT POWER

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

- **Standard Power client mode (SP) & Low Power client mode (LPI)**

Band	Frequency Range [MHz]	Mode	Output Power [dBm]	Output Power [mW]	e.i.r.p [dBm]	e.i.r.p [mW]
UNII-5	5955 – 6415	802.11a MIMO	19.74	94.19	16.43	43.95
		802.11ax(HE20) MIMO	19.27	84.53	15.96	39.45
		802.11ax(HE40) MIMO	19.28	84.72	15.97	39.54
		802.11ax(HE80) MIMO	19.45	88.10	16.14	41.11
		802.11ax(HE160) MIMO	19.52	89.54	16.21	41.78
UNII-6	6435 – 6515	802.11a MIMO	13.43	22.03	9.17	8.26
		802.11ax(HE20) MIMO	13.49	22.34	9.23	8.38
		802.11ax(HE40) MIMO	15.36	34.36	11.10	12.88
		802.11ax(HE80) MIMO	18.11	64.71	13.85	24.27
		802.11ax(HE160) MIMO	19.50	89.13	15.24	33.42
UNII-7	6535 – 6875	802.11a MIMO	19.58	90.78	15.20	33.11
		802.11ax(HE20) MIMO	19.18	82.79	14.80	30.20
		802.11ax(HE40) MIMO	19.11	81.47	14.73	29.72
		802.11ax(HE80) MIMO	19.28	84.72	14.90	30.90
		802.11ax(HE160) MIMO	19.16	82.41	14.78	30.06
UNII-8	6895 – 7115	802.11a MIMO	13.15	20.65	9.23	8.38
		802.11ax(HE20) MIMO	13.23	21.04	9.31	8.53
		802.11ax(HE40) MIMO	15.48	35.32	11.56	14.32
		802.11ax(HE80) MIMO	18.25	66.83	14.33	27.10
		802.11ax(HE160) MIMO	19.56	90.36	15.64	36.64

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:

UNII Band	Frequency Range[MHz]	ANT1 Gain [dBi]	ANT2 Gain [dBi]	Correlated Chains Directional Gain[dBi]
5	5925 – 6425	-5.26	-7.53	-3.31
6	6425 – 6525	-6.54	-8.07	-4.26
7	6525 – 6875	-6.39	-8.52	-4.38
8	6875 – 7125	-5.77	-8.26	-3.92

For CBP test, with a minimum gain of:

UNII Band & Range[MHz]	Frequency [MHz]	ANT1 Gain [dBi]	ANT2 Gain [dBi]	Minimum Gain[dBi]
5(5925 – 6425)	5925	-5.85	-7.53	-9.29
	6025	-5.92	-8.19	
	6125	-5.26	-8.98	
	6225	-6.74	-8.70	
	6325	-7.12	-9.29	
	6425	-6.54	-8.07	
6(6425 – 6525)	6425	-6.54	-8.07	-8.52
	6525	-7.21	-8.52	
7(6525 – 6875)	6525	-7.21	-8.52	-9.73
	6625	-7.17	-9.69	
	6725	-6.48	-9.73	
	6825	-6.39	-9.66	
8(6875 – 7125)	6925	-5.77	-8.26	-8.77
	7025	-6.03	-8.73	
	7125	-6.12	-8.77	

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 = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$ dBi.

Sample calculation for this device with $N_{ANT} = 2$

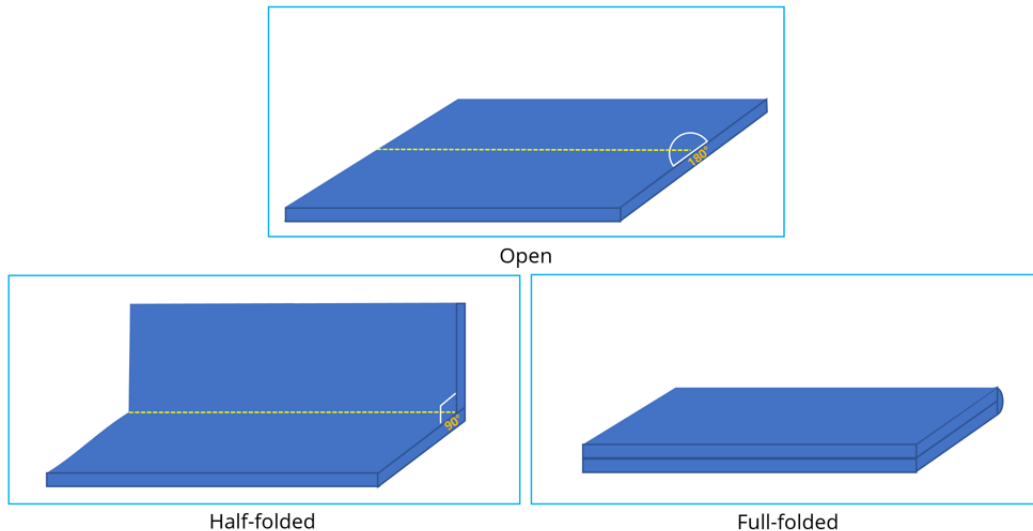
UNII-5 band's Correlated Directional gain = $10 \log[(10^{-5.26/20} + 10^{-7.53/20})^2 / 2] = -3.31$ dBi

“SUB4” and “SUB1” as indicated in antenna specification are written as ANT1 and ANT2 in this report.

5.3. WORST-CASE CONFIGURATION AND MODE

Both SISO and MIMO have been investigated and confirmed MIMO was the worst case set for radiated band edge and spurious emission tests.

- i. Worst case of antenna axis: X
- ii. Foldable condition: Open



The fundamentals of the EUT were investigated in three orthogonal orientations X, Y and Z on 2TX MIMO mode. It was determined that X orientation and Open condition were the worst-case for 2TX MIMO mode.

This device supports dual client mode: standard power client mode (SP) in UNII-5 & UNII-7, and low power indoor client mode (LPI) in UNII-5 to UNII-8.

Radiated tests were performed with EUT connected to AC power adapter as the worst-case configuration. Radiated harmonics spurious 1~18 GHz Low/Mid/High channels, 18-40GHz were performed with the EUT set at the 2TX MIMO 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.

For Radiated spurious test, 802.11a 2TX mode has equal or higher output power and PSD results than other modes and therefore, it was set for full test. Spot-check was performed in 802.11ax 2TX RU modes.

For Radiated band-edge test, 802.11a 2TX, 802.11ax 2TX SU mode were fully tested except 802.11ax 2TX partial RU modes. 802.11ax SU mode resulted in radiated band-edge test is worse than partial RU modes; therefore, only SU mode was reported.

For output power and PSD tests, 802.11ax mode were investigated among all different tones and following RU tones were set for final test:

Output power test:

HE20/HE40/HE80/HE160 were tested with SU mode and all partial RU tones except full RU as it has same or low power level and same physical waveform as SU mode.

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

PSD/ In-Band Emission test:

Power Class	Worst case RU Mode	
	SP	LPI
HE20	52T	52T
HE40	242T	242T
HE80	242T	242T
HE160	242T	242T

In-Band Emission: SU & RU modes are full tested and RU modes are reported for worst case scenarios. Because SU mode is the worst case than RU modes. It was based on conducted PSD level without antenna gain.

Simultaneous transmission with Bluetooth and Wi-Fi were investigated, and no noticeable emission was found.

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

5.4. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
Charger	SAMSUNG	EP-TA800	R37N9QP6H09DK3	N/A
Data Cable	SAMSUNG	EP-DN980	GH39-02111A	N/A

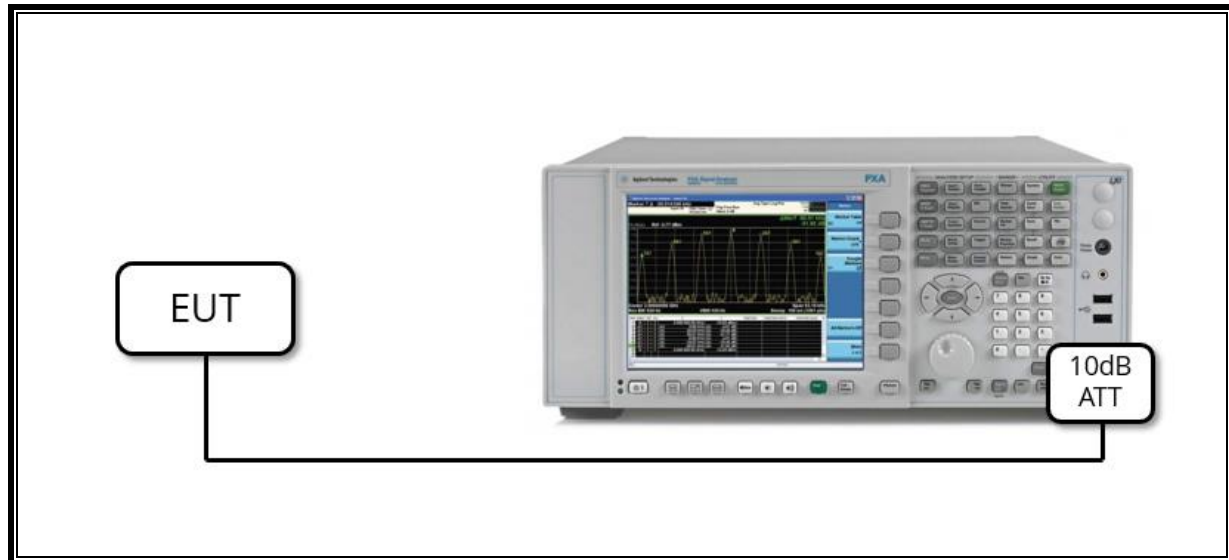
I/O CABLE

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

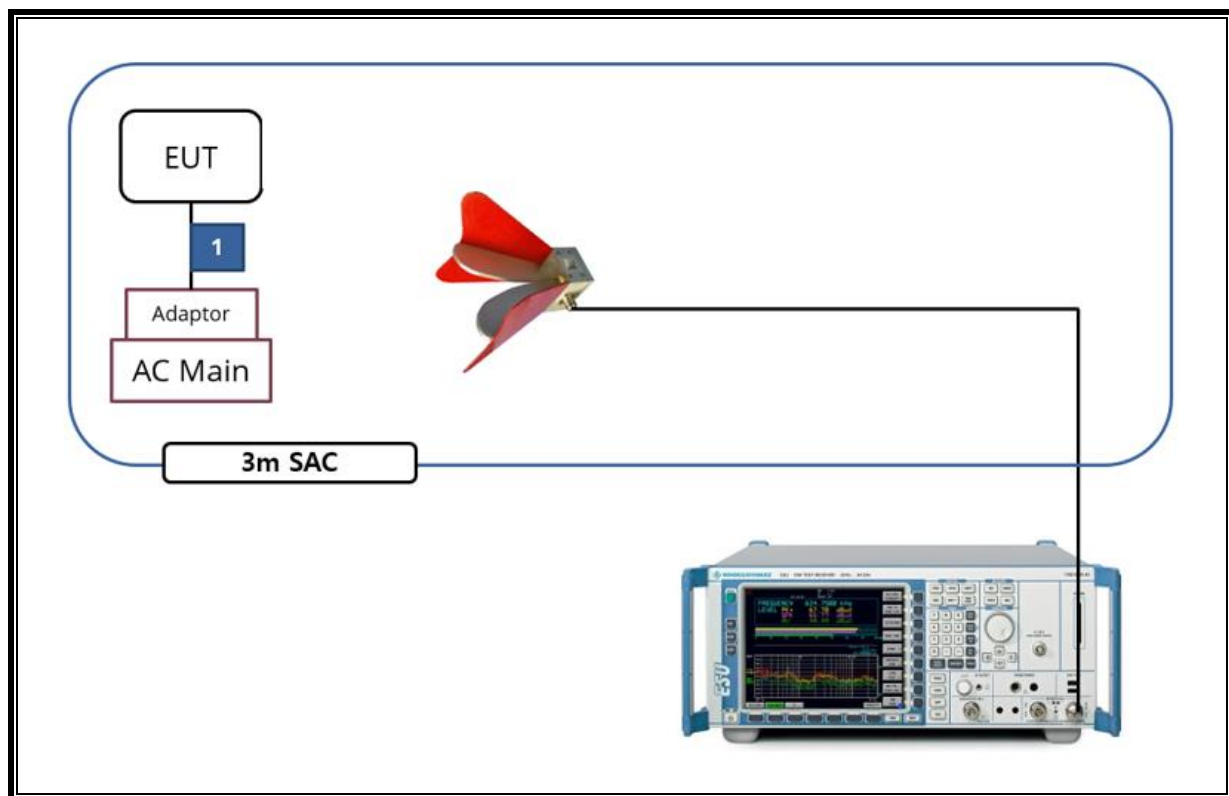
TEST SETUP

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

SETUP DIAGRAM FOR TESTS (CONDUCTED TEST SETUP)



SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP)



6. TEST AND MEASUREMENT EQUIPMENT

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

Test Equipment List				
Description	Manufacturer	Model	S/N	Cal Due
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	749	2024-08-15
Antenna, Horn, 18 GHz	ETS	3117	00168724	2024-08-04
Antenna, Horn, 18 GHz	ETS	3117	00168717	2024-08-21
Antenna, Horn, 40 GHz	ETS	3116C	00166155	2024-08-02
Preamplifier	ETS	3115-PA	00167475	2024-07-25
Preamplifier	ETS	3116C-PA	00168841	2024-07-25
Preamplifier, 1000 MHz	Sonoma	310N	341282	2024-07-24
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	1896138	2024-07-25
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	2029169	2024-07-24
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54170614	2024-07-25
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54490312	2024-07-24
Spectrum Analyzer, 44 GHz	KEYSIGHT	N9040B	MY60080268	2025-01-03
Average Power Sensor	Agilent / HP	U2000	MY54270007	2024-07-23
Average Power Sensor	Agilent / HP	U2000	MY54260010	2024-07-24
Attenuator	PASTERNAK	PE7087-10	A001	2024-07-23
Attenuator	PASTERNAK	PE7087-10	A008	2024-07-27
Attenuator	PASTERNAK	PE7004-10	2	2024-07-23
Attenuator	PASTERNAK	PE7087-10	A009	2024-07-24
EMI Test Receive, 40 GHz	R&S	ESU40	100439	2024-07-23
EMI Test Receive, 40 GHz	R&S	ESU40	100457	2024-07-24
EMI Test Receive, 3 GHz	R&S	ESR3	101832	2024-07-23
Notch Filter	Micro-Tronics	BRM50702-02	G037	2024-07-24
Notch Filter	Micro-Tronics	BRM50716-2	006	2024-07-24
Low Pass Filter 5GHz	Micro-Tronics	LPS17541	020	2024-07-24
High Pass Filter 3GHz	Micro-Tronics	HPM17543	020	2024-07-24
High Pass Filter 7.2 GHz	Micro-Tronics	HPM50107	G063	2024-07-24
LISN	R&S	ENV-216	101836	2024-07-23
Antenna, Loop, 9kHz-30MHz	R&S	HFH2-Z2	100418	2025-09-06
Termination	WEINSCHL	M1406A	T09	2024-07-23
Attenuator	WEINSCHL	WA76-30-21	A015	2024-07-24
Vector SG	R&S	SMW200A	110251	2024-08-26
UL Software				
Description	Manufacturer	Model	Version	
Radiated software	UL	UL EMC	Ver 9.5	
AC Line Conducted software	UL	UL EMC	Ver 9.5	

7. SUMMARY TABLE

FCC Part Section	Test Description	Test Limit	Test Condition	Test Result
15.407(a)(10)	26dB Bandwidth	N/A	Conducted	Complies
2.1046 15.407(a)(1)	TX Cond. Power	N/A		Complies
15.407(a)(7) 15.407(a)(8)	Maximum Power Spectral Density	< 17dBm/MHz e.i.r.p (SP) < -1dBm/MHz e.i.r.p (LPI)		Complies
15.407(a)(7) 15.407(a)(8)	Maximum Radiated Output Power	< 30 dBm over the frequency band of operation (SP) < 24 dBm over the frequency band of operation (LPI)		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 limits		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

Note. This EUT does not support channel puncturing and bandwidth reduction.

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.a (Method PM) /
KDB 987594 D02

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

In-Band Emissions : KDB 987594 D02

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

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

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

9. REFERENCE MEASUREMENTS RESULTS

9.1. ON TIME AND DUTY CYCLE RESULTS

Mode	On Time [ms]	Period [ms]	Duty Cycle X [Linear]	Duty Cycle X [%]	Duty Cycle Correction Factor[dB]
802.11a MIMO	2.827	2.927	0.966	96.584	0.15

Mode	ANT.	Tone	On Time [ms]	Period [ms]	Duty Cycle X [Linear]	Duty Cycle X [%]	Duty Cycle Correction Factor[dB]
802.11ax HE20	MIMO	26T	2.596	2.615	0.993	99.273	0.00
		52T	2.592	2.611	0.993	99.272	0.00
		SU	5.452	5.471	0.997	99.653	0.00
802.11ax HE40	MIMO	26T	2.595	2.613	0.993	99.311	0.00
		242T	0.675	0.693	0.974	97.404	0.11
		SU	5.451	5.470	0.997	99.653	0.00
802.11ax HE80	MIMO	26T	2.595	2.614	0.993	99.273	0.00
		242T	0.676	0.694	0.975	97.462	0.11
		SU	5.451	5.470	0.997	99.653	0.00
802.11ax HE160	MIMO	26T	2.596	2.614	0.993	99.311	0.00
		242T	0.676	0.694	0.974	97.377	0.12
		SU	5.451	5.471	0.996	99.634	0.00

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

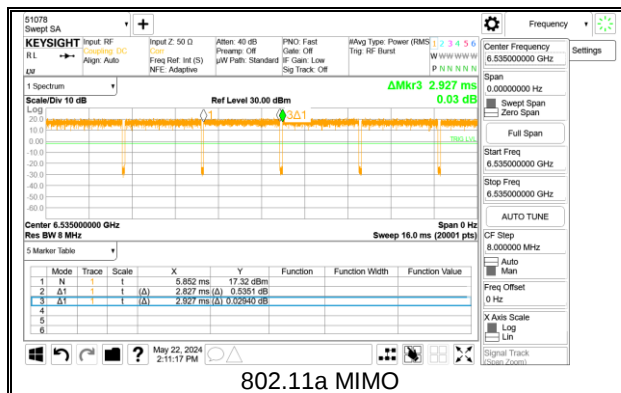
LIMITS

None; for reporting purposes only.

PROCEDURE

KDB 789033 D02 v02r01 Zero-Span Spectrum Analyzer Method.

DUTY CYCLE PLOTS



9.2. 26 dB BANDWIDTH & 99% 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.

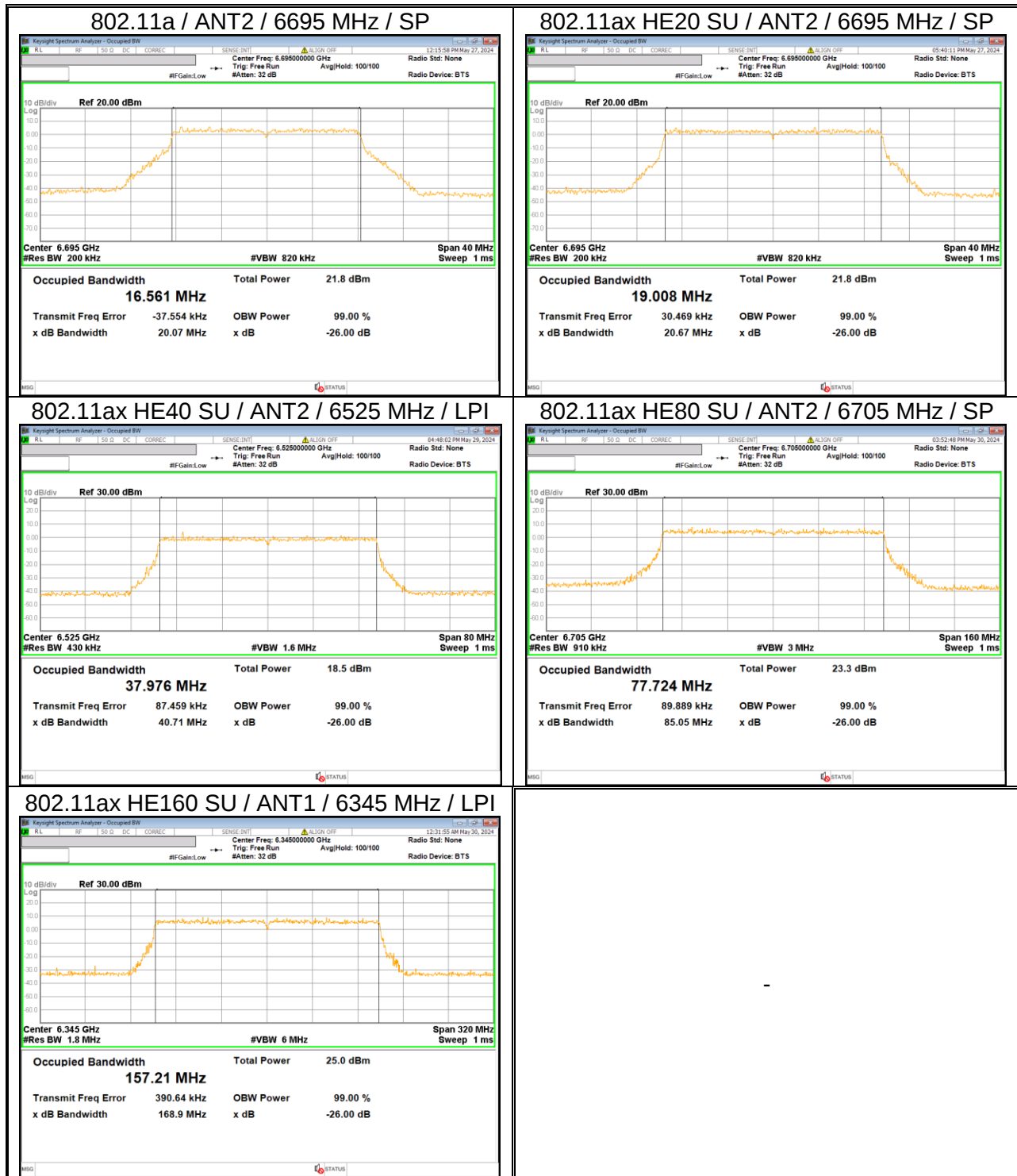
RESULTS

- 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



9.2.1. 802.11a

Band	Ch.	Center Freq. [MHz]	26 dB BW [MHz]				Worst	99% BW [MHz]			
			SP		LPI			SP		LPI	
			ANT1	ANT2	ANT1	ANT2		ANT1	ANT2	ANT1	ANT2
UNII-5	1	5955	20.93	20.68	20.28	21.19	20.11	16.562	16.572	16.525	16.554
	45	6175	20.11	20.23	20.84	20.84		16.566	16.573	16.538	16.561
	93	6415	20.48	21.18	20.69	20.92		16.526	16.555	16.524	16.553
UNII-6	97	6435			20.50	20.62	20.50			16.532	16.536
	105	6475			20.66	20.50				16.583	16.562
	113	6515			20.53	20.71				16.545	16.537
UNII-7	117	6535	20.12	20.43	20.45	21.13	20.07	16.493	16.554	16.559	16.577
	149	6695	20.31	20.07	20.87	20.66		16.568	16.561	16.572	16.603
	181	6855	21.01	20.44				16.569	16.562		
	185	6875			20.18	21.03				16.523	16.569
UNII-8	189	6895			20.32	21.00	20.26			16.533	17.706
	209	6995			20.26	20.88				16.565	17.709
	233	7115			20.69	20.51				16.584	17.694

9.2.2. 802.11ax HE20

Band	Ch.	Center Freq. [MHz]	26 dB BW [MHz]				Worst	99% BW [MHz]			
			SP		LPI			SP		LPI	
			ANT1	ANT2	ANT1	ANT2		ANT1	ANT2	ANT1	ANT2
UNII-5	1	5955	21.32	20.96	21.06	21.34	20.96	19.100	19.006	19.036	19.018
	45	6175	21.33	21.31	21.04	21.32		18.994	19.054	19.023	19.048
	93	6415	21.14	21.37	21.37	21.02		19.032	19.022	19.015	19.013
UNII-6	97	6435			21.06	20.98	20.96			19.040	19.021
	105	6475			21.46	20.96				19.083	19.021
	113	6515			21.05	21.23				19.032	19.026
UNII-7	117	6535	20.89	20.94	21.31	21.62	20.67	19.018	19.048	19.006	19.024
	149	6695	21.62	20.67	21.11	21.29		19.031	19.008	18.975	19.026
	181	6855	20.87	21.07				19.022	19.003		
	185	6875			21.11	21.01				18.979	19.065
UNII-8	189	6895			21.29	21.00	20.83			19.007	19.009
	209	6995			21.24	20.83				18.997	19.009
	233	7115			21.22	20.94				19.025	19.086

9.2.3. 802.11ax HE40

Band	Ch.	Center Freq. [MHz]	26 dB BW [MHz]				Worst	99% BW [MHz]			
			SP		LPI			SP		LPI	
			ANT1	ANT2	ANT1	ANT2		ANT1	ANT2	ANT1	ANT2
UNII-5	3	5965	41.71	41.66	41.96	41.88	41.04	37.927	37.982	37.968	37.941
	43	6165	41.69	41.88	42.56	42.23		37.970	37.985	38.014	37.874
	91	6405	41.62	41.04	41.77	41.50		38.010	37.930	37.899	37.942
UNII-6	99	6445			41.31	41.45	40.71			37.967	38.030
	115	6525			41.64	40.71				37.985	37.976
UNII-7	123	6565	41.66	41.75	41.53	41.25	41.01	38.030	37.928	38.025	38.094
	147	6685	41.47	41.94	41.52	41.99		38.001	37.889	37.927	37.949
	179	6845	41.60	41.01	41.36	41.85		37.898	37.916	37.905	37.988
UNII-8	187	6885			41.18	41.55	41.18			37.892	38.010
	203	6965			41.35	41.41				37.997	37.884
	227	7085			41.23	41.40				37.983	37.912

9.2.4. 802.11ax HE80

Band	Ch.	Center Freq. [MHz]	26 dB BW [MHz]				Worst	99% BW [MHz]			
			SP		LPI			SP		LPI	
			ANT1	ANT2	ANT1	ANT2		ANT1	ANT2	ANT1	ANT2
UNII-5	7	5985	86.44	87.18	87.25	86.31	85.11	77.787	77.599	77.778	77.680
	39	6145	85.11	86.55	87.18	85.67		77.624	77.766	77.755	77.676
	87	6385	87.00	85.67	87.14	85.57		77.762	77.730	77.764	77.706
UNII-6	103	6465			86.47	86.98	86.47			77.735	77.580
UNII-7	119	6545			85.72	87.44	85.05			77.703	77.714
	135	6625	85.69	85.68				77.756	77.807		
	151	6705	88.32	85.05	88.35	86.38		77.757	77.724	77.678	77.720
	167	6785	87.04	86.55				77.570	77.584		
	183	6865			86.54	86.30				77.643	77.630
UNII-8	199	6945			87.57	86.68	86.68			77.723	77.666
	215	7025			87.46	88.50				77.713	77.658

9.2.5. 802.11ax HE160

Band	Ch.	Center Freq. [MHz]	26 dB BW [MHz]				Worst	99% BW [MHz]			
			SP		LPI			SP		LPI	
			ANT1	ANT2	ANT1	ANT2		ANT1	ANT2	ANT1	ANT2
UNII-5	15	6025	170.7	171.0	172.2	173.1	168.9	157.24	157.08	157.01	157.05
	47	6185	169.5	171.8	172.1	173.4		157.07	157.00	157.06	157.04
	79	6345	173.3	173.1	168.9	171.1		157.33	156.97	157.21	156.93
UNII-6	111	6505			172.3	169.4	169.4			157.05	156.96
UNII-7	143	6665	172.6	171.2	171.4	171.4	171.2	156.97	157.09	157.00	156.98
	175	6825			173.0	171.4				157.03	156.98
UNII-8	207	6985			170.9	173.2	170.9			157.08	157.02

10. ANTENNA PORT TEST RESULTS

10.1. OUTPUT POWER AND PPSD

LIMITS

FCC §15.407 (a) (7) and (8)

For client devices, except for fixed client devices as defined in this subpart, operating under the control of a standard power access point in 5.925–6.425 GHz and 6.525–6.875 GHz bands, the maximum power spectral density must not exceed 17 dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm and the device must limit its power to no more than 6 dB below its associated standard power access point's authorized transmit power.

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 PPSD. RBW set to 1MHz, the VBW $\geq 3 \times$ RBW, RMS detector and trace averaging. 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	-5.26	-7.53	-3.31
UNII 6 6425 – 6525	-6.54	-8.07	-4.26
UNII 7 6525 – 6875	-6.39	-8.52	-4.38
UNII 8 6875 - 7125	-5.77	-8.26	-3.92

10.1.1. 802.11a MODE

Output Power Results

- SP

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	16.38	16.22	19.31	-3.31	16.00	30.00
	45	6175	16.39	16.50	19.46	-3.31	16.15	
	93	6415	16.70	16.75	19.74	-3.31	16.43	
UNII-7	117	6535	16.80	16.33	19.58	-4.38	15.20	
	149	6695	16.47	16.20	19.35	-4.38	14.97	
	181	6855	16.22	16.24	19.24	-4.38	14.86	

- LPI

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	9.72	9.96	12.85	-3.31	9.54	24.00
	45	6175	10.31	10.51	13.42	-3.31	10.11	
	93	6415	10.85	10.71	13.79	-3.31	10.48	
UNII-6	97	6435	10.31	10.52	13.43	-4.26	9.17	
	105	6475	10.18	10.46	13.33	-4.26	9.07	
	113	6515	10.28	10.01	13.16	-4.26	8.90	
UNII-7	117	6535	10.23	9.95	13.10	-4.38	8.72	
	149	6695	9.95	9.92	12.95	-4.38	8.57	
	185	6875	10.12	9.98	13.06	-4.38	8.68	
UNII-8	189	6895	10.13	10.05	13.10	-3.92	9.18	
	209	6995	9.98	10.29	13.15	-3.92	9.23	
	233	7115	9.49	10.31	12.93	-3.92	9.01	

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

PSD Results

- SP

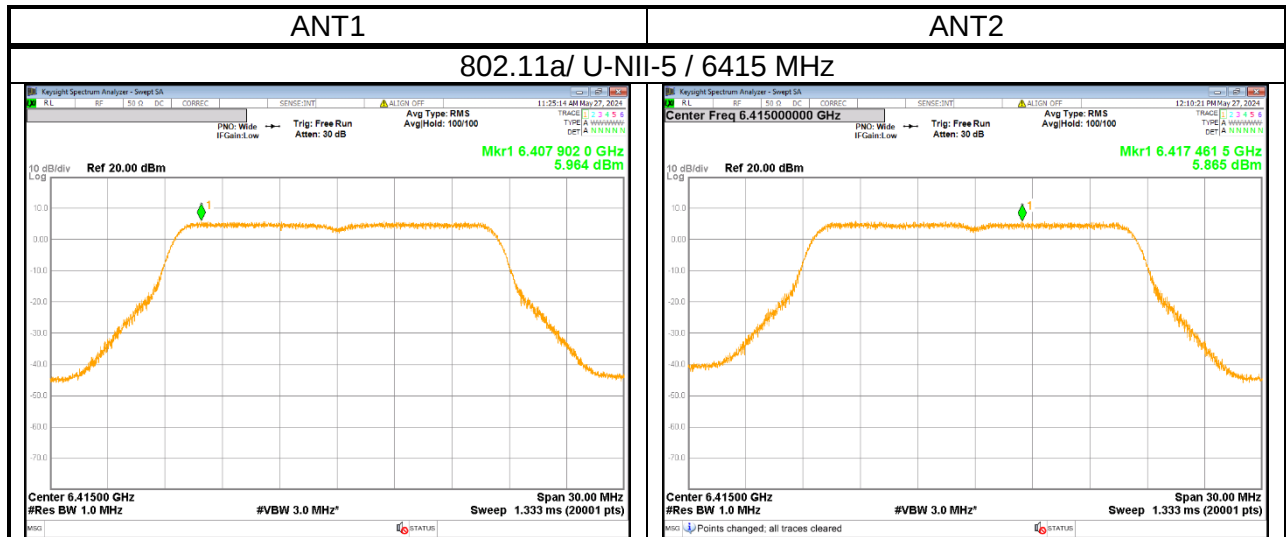
Band	Channel	Freq. [MHz]	Meas PSD [dBm/MHz]			DCCF	Direct. Gain [dBi]	Corr'd PSD e.i.r.p [dBm]	PSD e.i.r.p Limit [dBm/MHz]
			ANT1	ANT2	MIMO				
UNII-5	1	5955	5.242	5.225	8.244	0.15	-3.31	5.084	17.00
	45	6175	5.971	5.726	8.861	0.15	-3.31	5.701	
	93	6415	5.964	5.865	8.925	0.15	-3.31	5.765	
UNII-7	117	6535	6.085	5.712	8.913	0.15	-4.38	4.683	
	149	6695	5.659	5.209	8.450	0.15	-4.38	4.220	
	181	6855	5.539	5.477	8.518	0.15	-4.38	4.288	

- LPI

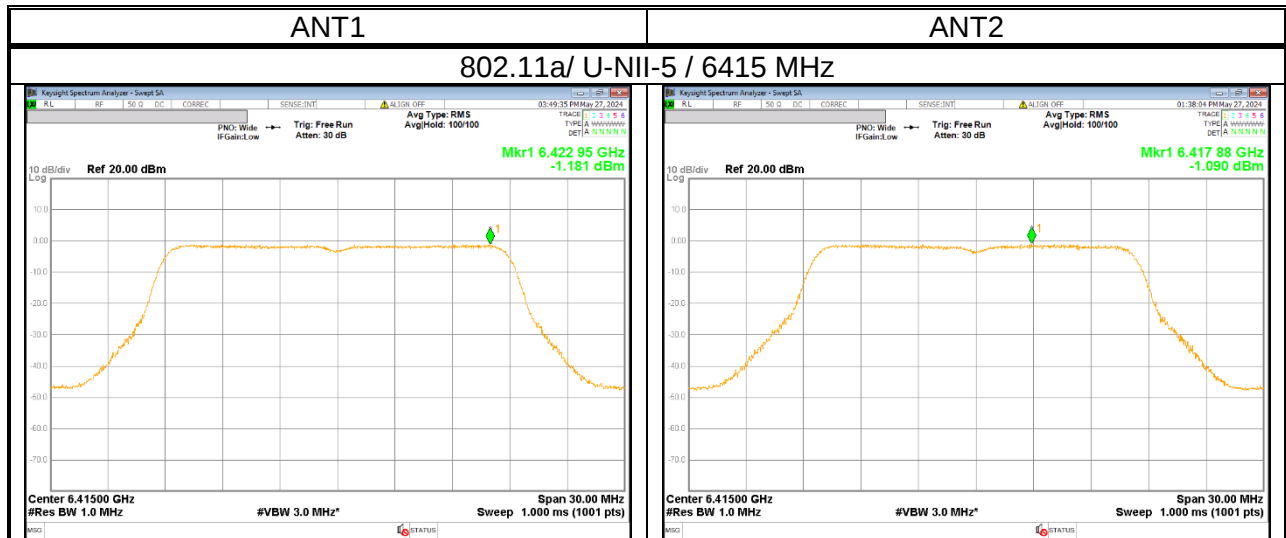
Band	Channel	Freq. [MHz]	Meas PSD [dBm/MHz]			DCCF	Direct. Gain [dBi]	Corr'd PSD e.i.r.p [dBm]	PSD e.i.r.p Limit [dBm/MHz]
			ANT1	ANT2	MIMO				
UNII-5	1	5955	-1.855	-1.725	1.221	0.15	-3.31	-1.939	-1.00
	45	6175	-1.089	-1.350	1.793	0.15	-3.31	-1.367	
	93	6415	-1.181	-1.090	1.875	0.15	-3.31	-1.285	
UNII-6	97	6435	-0.243	-1.270	2.284	0.15	-4.26	-1.826	
	105	6475	-0.508	-1.344	2.104	0.15	-4.26	-2.006	
	113	6515	-0.648	-1.944	1.762	0.15	-4.26	-2.348	
UNII-7	117	6535	-0.469	-1.058	2.257	0.15	-4.38	-1.973	
	149	6695	-0.406	-1.749	1.985	0.15	-4.38	-2.245	
	185	6875	-0.805	-1.732	1.766	0.15	-4.38	-2.464	
UNII-8	189	6895	-0.823	-1.745	1.751	0.15	-3.92	-2.019	
	209	6995	-1.121	-1.589	1.662	0.15	-3.92	-2.108	
	233	7115	-1.546	-1.693	1.391	0.15	-3.92	-2.379	

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

PPSD PLOTS (WORST CASE)
- SP



- LPI



10.1.2. 802.11ax HE20 MODE

Output Power Results - SP

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-5	1	5955	26T	0	10.93	11.23	14.09	-3.31	10.78	30.00
				4	11.16	11.30	14.24	-3.31	10.93	
				8	11.51	11.66	14.60	-3.31	11.29	
			52T	37	14.67	14.48	17.59	-3.31	14.28	
				38	14.35	14.21	17.29	-3.31	13.98	
				40	14.55	14.43	17.50	-3.31	14.19	
			106T	53	14.47	14.34	17.42	-3.31	14.11	
				54	14.36	14.29	17.34	-3.31	14.03	
			SU	-	16.05	15.77	18.92	-3.31	15.61	
	45	6175	26T	0	11.55	11.81	14.69	-3.31	11.38	
				4	11.11	11.32	14.23	-3.31	10.92	
				8	11.56	11.68	14.63	-3.31	11.32	
			52T	37	14.58	14.67	17.64	-3.31	14.33	
				38	14.50	14.42	17.47	-3.31	14.16	
				40	14.61	14.55	17.59	-3.31	14.28	
			106T	53	14.47	14.53	17.51	-3.31	14.20	
				54	14.46	14.45	17.47	-3.31	14.16	
			SU	-	16.12	16.03	19.09	-3.31	15.78	
	93	6415	26T	0	11.60	11.58	14.60	-3.31	11.29	
				4	11.17	10.92	14.06	-3.31	10.75	
				8	11.62	11.27	14.46	-3.31	11.15	
			52T	37	14.40	14.44	17.43	-3.31	14.12	
				38	14.17	14.19	17.19	-3.31	13.88	
				40	14.36	14.29	17.34	-3.31	14.03	
			106T	53	14.28	14.30	17.30	-3.31	13.99	
				54	14.25	14.13	17.20	-3.31	13.89	
			SU	-	16.23	16.29	19.27	-3.31	15.96	

* 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

- LPI

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-5	1	5955	26T	0	-1.35	-0.13	2.31	-3.31	-1.00	24.00
				4	-1.72	-0.57	1.90	-3.31	-1.41	
				8	-1.28	-0.22	2.29	-3.31	-1.02	
			52T	37	2.48	2.55	5.53	-3.31	2.22	
				38	2.27	2.33	5.31	-3.31	2.00	
				40	2.38	2.51	5.46	-3.31	2.15	
			106T	53	5.55	5.00	8.29	-3.31	4.98	
				54	5.50	4.96	8.25	-3.31	4.94	
			SU	-	9.80	10.03	12.93	-3.31	9.62	
	45	6175	26T	0	-1.30	-0.73	2.00	-3.31	-1.31	
				4	-1.71	-1.17	1.58	-3.31	-1.73	
				8	-1.31	-0.81	1.96	-3.31	-1.35	
			52T	37	2.06	2.17	5.13	-3.31	1.82	
				38	1.85	1.95	4.91	-3.31	1.60	
				40	2.06	2.18	5.13	-3.31	1.82	
			106T	53	5.43	5.22	8.34	-3.31	5.03	
				54	5.50	5.14	8.33	-3.31	5.02	
			SU	-	9.94	10.11	13.04	-3.31	9.73	
	93	6415	26T	0	-1.13	-1.10	1.90	-3.31	-1.41	
				4	-1.52	-1.41	1.55	-3.31	-1.76	
				8	-1.05	-0.97	2.00	-3.31	-1.31	
			52T	37	1.82	2.19	5.02	-3.31	1.71	
				38	1.65	2.00	4.84	-3.31	1.53	
				40	1.90	2.26	5.09	-3.31	1.78	
			106T	53	5.15	5.04	8.11	-3.31	4.80	
				54	5.18	4.92	8.06	-3.31	4.75	
			SU	-	10.23	10.26	13.26	-3.31	9.95	

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

- LPI

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	-0.96	-0.77	2.15	-4.26	-2.11	24.00
				4	-1.35	-1.13	1.77	-4.26	-2.49	
				8	-0.95	-0.74	2.17	-4.26	-2.09	
			52T	37	2.11	2.28	5.21	-4.26	0.95	
				38	1.90	2.07	5.00	-4.26	0.74	
				40	2.09	2.35	5.23	-4.26	0.97	
			106T	53	5.47	5.18	8.34	-4.26	4.08	
				54	5.43	5.10	8.28	-4.26	4.02	
			SU	-	10.39	10.56	13.49	-4.26	9.23	
	105	6475	26T	0	-1.05	-0.57	2.21	-4.26	-2.05	
				4	-1.54	-0.98	1.76	-4.26	-2.50	
				8	-1.04	-0.54	2.23	-4.26	-2.03	
			52T	37	2.01	2.57	5.31	-4.26	1.05	
				38	1.80	2.34	5.09	-4.26	0.83	
				40	2.05	2.60	5.34	-4.26	1.08	
			106T	53	5.25	5.05	8.16	-4.26	3.90	
				54	5.18	4.97	8.09	-4.26	3.83	
			SU	-	10.27	10.53	13.41	-4.26	9.15	
	113	6515	26T	0	-1.04	-0.52	2.24	-4.26	-2.02	
				4	-1.46	-0.93	1.82	-4.26	-2.44	
				8	-1.03	-0.55	2.23	-4.26	-2.03	
			52T	37	2.07	2.66	5.39	-4.26	1.13	
				38	1.88	2.44	5.18	-4.26	0.92	
				40	2.09	2.66	5.39	-4.26	1.13	
			106T	53	5.38	4.67	8.05	-4.26	3.79	
				54	5.34	4.61	8.00	-4.26	3.74	
			SU	-	10.31	10.04	13.19	-4.26	8.93	

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

- SP

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	11.47	11.21	14.35	-4.38	9.97	30.00
				4	11.03	10.70	13.88	-4.38	9.50	
				8	11.42	11.05	14.25	-4.38	9.87	
			52T	37	14.58	14.03	17.32	-4.38	12.94	
				38	14.30	13.80	17.07	-4.38	12.69	
				40	14.52	13.97	17.26	-4.38	12.88	
			106T	53	14.33	13.90	17.13	-4.38	12.75	
				54	14.31	13.80	17.07	-4.38	12.69	
			SU	-	16.45	15.88	19.18	-4.38	14.80	
	149	6695	26T	0	11.48	11.18	14.34	-4.38	9.96	
				4	11.01	10.68	13.86	-4.38	9.48	
				8	11.35	11.05	14.21	-4.38	9.83	
			52T	37	14.50	14.01	17.27	-4.38	12.89	
				38	14.26	13.78	17.04	-4.38	12.66	
				40	14.39	13.90	17.16	-4.38	12.78	
			106T	53	14.30	13.88	17.11	-4.38	12.73	
				54	14.22	13.80	17.03	-4.38	12.65	
			SU	-	16.33	15.74	19.06	-4.38	14.68	
	181	6855	26T	0	11.00	11.16	14.09	-4.38	9.71	
				4	10.57	10.71	13.65	-4.38	9.27	
				8	11.39	11.54	14.48	-4.38	10.10	
			52T	37	14.60	14.52	17.57	-4.38	13.19	
				38	14.33	14.28	17.32	-4.38	12.94	
				40	14.57	14.37	17.48	-4.38	13.10	
			106T	53	14.44	14.29	17.38	-4.38	13.00	
				54	14.42	14.25	17.35	-4.38	12.97	
			SU	-	15.80	15.81	18.82	-4.38	14.44	

* 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

- LPI

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-7	117	6535	26T	0	-1.50	-0.25	2.18	-4.38	-2.20	24.00
				4	-1.94	-0.64	1.77	-4.38	-2.61	
				8	-1.55	-0.27	2.15	-4.38	-2.23	
			52T	37	1.58	2.84	5.27	-4.38	0.89	
				38	1.31	2.60	5.01	-4.38	0.63	
				40	1.55	2.84	5.25	-4.38	0.87	
			106T	53	5.85	5.17	8.53	-4.38	4.15	
				54	5.76	5.08	8.44	-4.38	4.06	
			SU	-	10.18	10.01	13.11	-4.38	8.73	
	149	6695	26T	0	-1.05	-0.21	2.40	-4.38	-1.98	
				4	-1.46	-0.65	1.97	-4.38	-2.41	
				8	-1.12	-0.26	2.34	-4.38	-2.04	
			52T	37	1.72	2.54	5.16	-4.38	0.78	
				38	1.50	2.33	4.95	-4.38	0.57	
				40	1.64	2.52	5.11	-4.38	0.73	
			106T	53	5.64	5.14	8.41	-4.38	4.03	
				54	5.53	5.09	8.33	-4.38	3.95	
			SU	-	10.01	9.98	13.01	-4.38	8.63	
	185	6875	26T	0	-1.50	-0.95	1.79	-4.38	-2.59	
				4	-1.92	-1.36	1.38	-4.38	-3.00	
				8	-1.53	-1.04	1.73	-4.38	-2.65	
			52T	37	1.46	2.30	4.91	-4.38	0.53	
				38	1.25	2.08	4.70	-4.38	0.32	
				40	1.45	2.23	4.87	-4.38	0.49	
			106T	53	5.08	4.70	7.90	-4.38	3.52	
				54	5.05	4.62	7.85	-4.38	3.47	
			SU	-	10.17	10.03	13.11	-4.38	8.73	

* 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

- LPI

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	-1.57	-1.10	1.68	-3.92	-2.24	24.00
				4	-1.52	-0.89	1.82	-3.92	-2.10	
				8	-1.10	-0.52	2.21	-3.92	-1.71	
			52T	37	2.83	2.68	5.77	-3.92	1.85	
				38	2.62	2.44	5.54	-3.92	1.62	
				40	2.84	2.58	5.72	-3.92	1.80	
			106T	53	5.70	5.33	8.53	-3.92	4.61	
				54	5.70	5.28	8.51	-3.92	4.59	
			SU	-	10.16	10.06	13.12	-3.92	9.20	
	209	6995	26T	0	-1.21	-1.29	1.76	-3.92	-2.16	
				4	-1.65	-1.76	1.31	-3.92	-2.61	
				8	-1.20	-1.42	1.70	-3.92	-2.22	
			52T	37	2.66	2.92	5.80	-3.92	1.88	
				38	2.40	2.70	5.56	-3.92	1.64	
				40	2.70	2.84	5.78	-3.92	1.86	
			106T	53	5.70	5.57	8.65	-3.92	4.73	
				54	5.71	5.47	8.60	-3.92	4.68	
			SU	-	10.05	10.39	13.23	-3.92	9.31	
	233	7115	26T	0	-0.45	-1.63	2.01	-3.92	-1.91	
				4	-0.51	-1.66	1.96	-3.92	-1.96	
				8	-0.13	-1.38	2.30	-3.92	-1.62	
			52T	37	2.55	2.99	5.79	-3.92	1.87	
				38	2.33	2.98	5.68	-3.92	1.76	
				40	1.88	2.90	5.43	-3.92	1.51	
			106T	53	4.46	5.25	7.88	-3.92	3.96	
				54	4.50	5.16	7.85	-3.92	3.93	
			SU	-	9.51	10.40	12.99	-3.92	9.07	

* 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

PSD Results
- SP

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	52T	37	8.803	8.150	11.499	-	-3.31	8.189	17.00
				38	8.606	7.963	11.307	-	-3.31	7.997	
				40	8.711	8.338	11.539	-	-3.31	8.229	
			SU	-	3.943	3.137	6.569	-	-3.31	3.259	
	45	6175	52T	37	9.275	8.901	12.102	-	-3.31	8.792	
				38	8.640	8.636	11.648	-	-3.31	8.338	
				40	8.891	8.902	11.907	-	-3.31	8.597	
			SU	-	3.940	3.381	6.680	-	-3.31	3.370	
	93	6415	52T	37	9.151	8.403	11.803	-	-3.31	8.493	
				38	8.608	8.405	11.518	-	-3.31	8.208	
				40	8.624	8.384	11.516	-	-3.31	8.206	
			SU	-	4.517	4.229	7.386	-	-3.31	4.076	
UNII-7	117	6535	52T	37	8.983	8.237	11.636	-	-4.38	7.256	
				38	8.621	8.413	11.529	-	-4.38	7.149	
				40	9.284	8.229	11.799	-	-4.38	7.419	
			SU	-	4.405	3.669	7.063	-	-4.38	2.683	
	149	6695	52T	37	8.841	7.845	11.382	-	-4.38	7.002	
				38	8.523	7.671	11.128	-	-4.38	6.748	
				40	8.581	7.930	11.278	-	-4.38	6.898	
			SU	-	4.232	3.261	6.784	-	-4.38	2.404	
	181	6855	52T	37	8.887	8.273	11.601	-	-4.38	7.221	
				38	8.842	8.219	11.552	-	-4.38	7.172	
				40	8.851	8.255	11.574	-	-4.38	7.194	
			SU	-	3.491	3.592	6.552	-	-4.38	2.172	

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

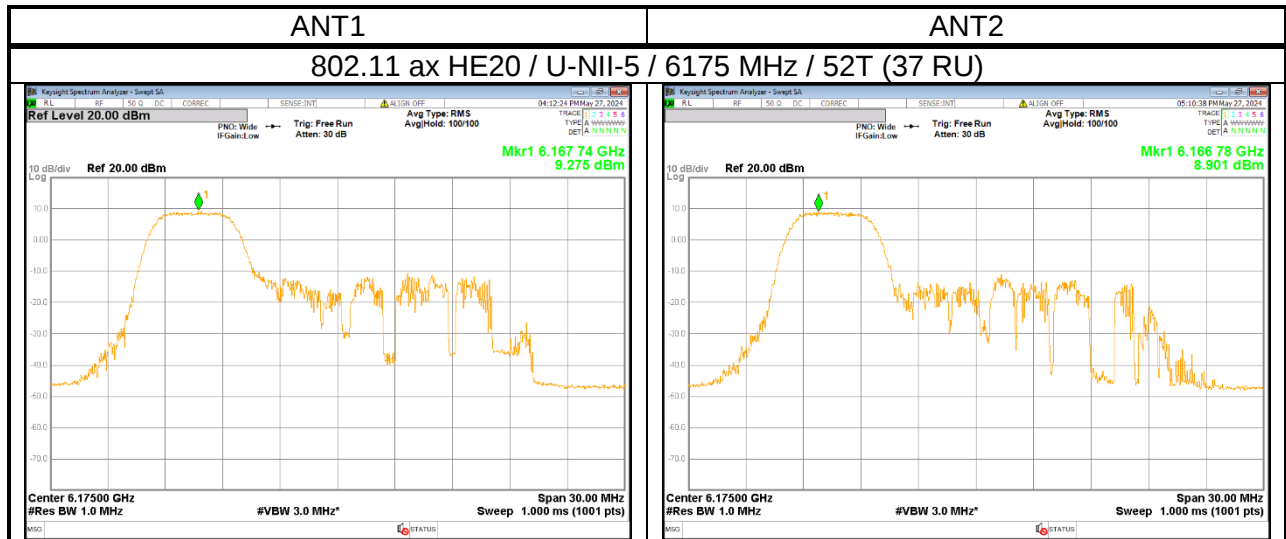
- LPI

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	52T	37	v	-3.510	-0.574	-	-3.31	-3.884	-1.00
				38	-3.813	-3.737	-0.765	-	-3.31	-4.075	
				40	-3.753	-3.575	-0.653	-	-3.31	-3.963	
			SU	-	-2.450	-2.432	0.569	-	-3.31	-2.741	
	45	6175	52T	37	-4.191	-3.585	-0.867	-	-3.31	-4.177	
				38	-4.421	-3.860	-1.121	-	-3.31	-4.431	
				40	-4.383	-3.628	-0.979	-	-3.31	-4.289	
			SU	-	-2.486	-2.109	0.717	-	-3.31	-2.593	
	93	6415	52T	37	-4.193	-3.324	-0.727	-	-3.31	-4.037	
				38	-4.302	-3.793	-1.030	-	-3.31	-4.340	
				40	-4.268	-3.483	-0.847	-	-3.31	-4.157	
			SU	-	-2.044	-1.883	1.048	-	-3.31	-2.262	
UNII-6	97	6435	52T	37	-4.028	-3.561	-0.778	-	-4.26	-5.038	
				38	-4.151	-3.526	-0.817	-	-4.26	-5.077	
				40	-3.961	-3.457	-0.691	-	-4.26	-4.951	
			SU	-	-1.936	-1.357	1.373	-	-4.26	-2.887	
	105	6475	52T	37	-4.544	-3.117	-0.762	-	-4.26	-5.022	
				38	-4.716	-3.155	-0.855	-	-4.26	-5.115	
				40	-4.043	-3.243	-0.614	-	-4.26	-4.874	
			SU	-	-1.443	-1.532	1.523	-	-4.26	-2.737	
	113	6515	52T	37	-3.693	-3.267	-0.464	-	-4.26	-4.724	
				38	-3.460	-3.410	-0.425	-	-4.26	-4.685	
				40	-3.783	-3.229	-0.487	-	-4.26	-4.747	
			SU	-	-1.765	-1.969	1.144	-	-4.26	-3.116	
UNII-7	117	6535	52T	37	-3.718	-2.097	0.178	-	-4.38	-4.202	
				38	-3.140	-2.492	0.206	-	-4.38	-4.174	
				40	-3.510	-2.292	0.152	-	-4.38	-4.228	
			SU	-	-1.747	-2.587	0.864	-	-4.38	-3.516	
	149	6695	52T	37	-3.483	-3.016	-0.233	-	-4.38	-4.613	
				38	-3.816	-3.149	-0.459	-	-4.38	-4.839	
				40	-3.660	-2.998	-0.306	-	-4.38	-4.686	
			SU	-	-1.899	-2.064	1.030	-	-4.38	-3.350	
	185	6875	52T	37	-4.452	-3.263	-0.807	-	-4.38	-5.187	
				38	-4.580	-3.698	-1.106	-	-4.38	-5.486	
				40	-4.268	-3.416	-0.811	-	-4.38	-5.191	
			SU	-	-1.873	-1.978	1.085	-	-4.38	-3.295	
UNII-8	189	6895	52T	37	-4.482	-3.292	-0.836	-	-3.92	-4.756	
				38	-4.495	-3.397	-0.901	-	-3.92	-4.821	
				40	-4.585	-3.041	-0.734	-	-3.92	-4.654	
			SU	-	-1.748	-1.950	1.162	-	-3.92	-2.758	
	209	6995	52T	37	-4.560	-2.885	-0.632	-	-3.92	-4.552	
				38	-4.837	-3.049	-0.841	-	-3.92	-4.761	
				40	-4.538	-2.959	-0.667	-	-3.92	-4.587	
			SU	-	-2.175	-1.671	1.095	-	-3.92	-2.825	
	233	7115	52T	37	-4.211	-2.180	-0.068	-	-3.92	-3.988	
				38	-4.775	-2.517	-0.491	-	-3.92	-4.411	
				40	-4.688	-2.524	-0.462	-	-3.92	-4.382	
			SU	-	-2.612	-1.606	0.930	-	-3.92	-2.990	

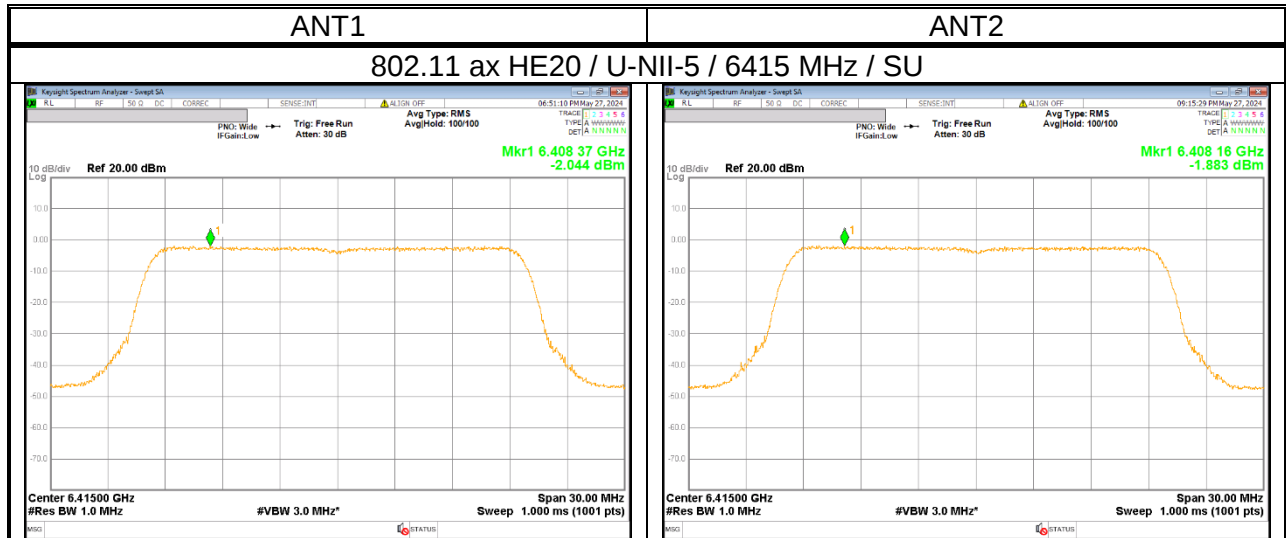
* Corr'd PSD e.i.r.p = ANT1 Meas PSD + Ant2 Meas PSD + DCCF + Directional Gain

PPSD PLOTS (WORST CASE)

- SP



- LPI



10.1.3. 802.11ax HE40 MODE

Output Power Results - SP

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	10.91	11.19	14.06	-3.31	10.75	30.00
				9	10.70	11.06	13.89	-3.31	10.58	
				17	10.80	11.23	14.03	-3.31	10.72	
			52T	37	13.90	14.00	16.96	-3.31	13.65	
				41	13.70	13.86	16.79	-3.31	13.48	
				44	13.88	14.05	16.98	-3.31	13.67	
			106T	53	13.86	13.93	16.91	-3.31	13.60	
				54	13.69	13.79	16.75	-3.31	13.44	
				56	13.87	14.00	16.95	-3.31	13.64	
			242T	61	16.09	16.10	19.11	-3.31	15.80	
				62	16.03	16.16	19.11	-3.31	15.80	
			SU	-	16.14	16.20	19.18	-3.31	15.87	
	43	6165	26T	0	11.12	11.55	14.35	-3.31	11.04	
				9	10.94	11.29	14.13	-3.31	10.82	
				17	11.20	11.39	14.31	-3.31	11.00	
			52T	37	14.19	14.56	17.39	-3.31	14.08	
				41	14.05	14.34	17.21	-3.31	13.90	
				44	14.28	14.44	17.37	-3.31	14.06	
			106T	53	14.19	14.50	17.36	-3.31	14.05	
				54	14.02	14.24	17.14	-3.31	13.83	
				56	14.28	14.37	17.34	-3.31	14.03	
			242T	61	16.06	16.12	19.10	-3.31	15.79	
				62	16.11	16.02	19.08	-3.31	15.77	
			SU	-	16.05	16.10	19.09	-3.31	15.78	
	91	6405	26T	0	11.36	11.47	14.43	-3.31	11.12	
				9	11.18	11.24	14.22	-3.31	10.91	
				17	11.35	11.21	14.29	-3.31	10.98	
			52T	37	14.35	14.30	17.34	-3.31	14.03	
				41	14.16	14.09	17.14	-3.31	13.83	
				44	14.38	14.15	17.28	-3.31	13.97	
			106T	53	14.33	14.29	17.32	-3.31	14.01	
				54	14.21	14.02	17.13	-3.31	13.82	
				56	14.36	14.15	17.27	-3.31	13.96	
			242T	61	16.15	16.15	19.16	-3.31	15.85	
				62	16.18	16.10	19.15	-3.31	15.84	
			SU	-	16.28	16.25	19.28	-3.31	15.97	

* 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

- LPI

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	-1.80	-0.56	1.87	-3.31	-1.44	24.00
				9	-1.92	-0.76	1.71	-3.31	-1.60	
				17	-1.65	-0.58	1.93	-3.31	-1.38	
			52T	37	2.04	1.85	4.96	-3.31	1.65	
				41	1.84	1.73	4.80	-3.31	1.49	
				44	1.96	1.90	4.94	-3.31	1.63	
			106T	53	5.24	4.45	7.87	-3.31	4.56	
				54	5.33	4.79	8.08	-3.31	4.77	
				56	5.52	4.98	8.27	-3.31	4.96	
			242T	61	10.02	10.26	13.15	-3.31	9.84	
				62	10.03	10.23	13.14	-3.31	9.83	
			SU	-	12.15	12.28	15.23	-3.31	11.92	
	43	6165	26T	0	-0.83	-0.71	2.24	-3.31	-1.07	
				9	-1.02	-0.92	2.04	-3.31	-1.27	
				17	-0.90	-0.82	2.15	-3.31	-1.16	
			52T	37	2.23	2.27	5.26	-3.31	1.95	
				41	2.05	2.01	5.04	-3.31	1.73	
				44	2.18	2.15	5.18	-3.31	1.87	
			106T	53	5.55	5.36	8.47	-3.31	5.16	
				54	5.42	5.13	8.29	-3.31	4.98	
				56	5.60	5.28	8.45	-3.31	5.14	
			242T	61	10.39	10.49	13.45	-3.31	10.14	
				62	10.42	10.44	13.44	-3.31	10.13	
			SU	-	12.39	12.42	15.42	-3.31	12.11	
	91	6405	26T	0	-1.06	-1.06	1.95	-3.31	-1.36	
				9	-1.20	-1.17	1.83	-3.31	-1.48	
				17	-0.96	-1.00	2.03	-3.31	-1.28	
			52T	37	1.95	2.16	5.07	-3.31	1.76	
				41	1.78	2.00	4.90	-3.31	1.59	
				44	1.98	2.23	5.12	-3.31	1.81	
			106T	53	5.17	4.73	7.97	-3.31	4.66	
				54	4.98	4.50	7.76	-3.31	4.45	
				56	5.24	4.64	7.96	-3.31	4.65	
			242T	61	10.39	10.32	13.37	-3.31	10.06	
				62	10.52	10.24	13.39	-3.31	10.08	
			SU	-	12.65	12.37	15.52	-3.31	12.21	

* 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

- LPI

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	-0.90	-0.83	2.15	-4.26	-2.11	24.00
				9	-1.05	-0.98	2.00	-4.26	-2.26	
				17	-0.85	-0.74	2.22	-4.26	-2.04	
			52T	37	2.18	2.26	5.23	-4.26	0.97	
				41	2.05	2.18	5.13	-4.26	0.87	
				44	2.22	2.39	5.32	-4.26	1.06	
			106T	53	5.33	5.19	8.27	-4.26	4.01	
				54	5.13	4.96	8.06	-4.26	3.80	
				56	5.32	5.10	8.22	-4.26	3.96	
			242T	61	10.03	10.29	13.17	-4.26	8.91	
				62	10.02	10.30	13.17	-4.26	8.91	
			SU	-	12.35	12.34	15.36	-4.26	11.10	
	115	6525	26T	0	-0.90	-0.61	2.26	-4.26	-2.00	
				9	-1.13	-0.84	2.03	-4.26	-2.23	
				17	-0.93	-0.65	2.22	-4.26	-2.04	
			52T	37	2.16	2.51	5.35	-4.26	1.09	
				41	1.90	2.39	5.16	-4.26	0.90	
				44	2.20	2.55	5.39	-4.26	1.13	
			106T	53	5.31	4.65	8.00	-4.26	3.74	
				54	5.10	4.44	7.79	-4.26	3.53	
				56	5.32	4.62	7.99	-4.26	3.73	
			242T	61	10.02	9.71	12.88	-4.26	8.62	
				62	10.01	9.70	12.87	-4.26	8.61	
			SU	-	12.33	11.72	15.05	-4.26	10.79	

* 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

- SP

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	11.31	11.24	14.29	-4.38	9.91	30.00
				9	11.15	11.09	14.13	-4.38	9.75	
				17	11.25	11.18	14.23	-4.38	9.85	
			52T	37	14.16	14.24	17.21	-4.38	12.83	
				41	14.01	14.09	17.06	-4.38	12.68	
				44	14.17	17.18	18.94	-4.38	14.56	
			106T	53	14.15	14.16	17.17	-4.38	12.79	
				54	13.92	13.90	16.92	-4.38	12.54	
				56	14.13	14.16	17.16	-4.38	12.78	
			242T	61	15.80	15.90	18.86	-4.38	14.48	
				62	15.78	15.94	18.87	-4.38	14.49	
			SU	-	15.85	15.95	18.91	-4.38	14.53	
	147	6685	26T	0	11.72	11.48	14.61	-4.38	10.23	
				9	11.45	11.30	14.39	-4.38	10.01	
				17	11.52	11.38	14.46	-4.38	10.08	
			52T	37	14.74	14.35	17.56	-4.38	13.18	
				41	14.43	14.19	17.32	-4.38	12.94	
				44	14.48	14.27	17.39	-4.38	13.01	
			106T	53	14.56	14.29	17.44	-4.38	13.06	
				54	14.28	14.05	17.18	-4.38	12.80	
				56	14.48	14.24	17.37	-4.38	12.99	
			242T	61	16.14	15.88	19.02	-4.38	14.64	
				62	16.18	15.89	19.05	-4.38	14.67	
			SU	-	16.26	15.93	19.11	-4.38	14.73	
	179	6845	26T	0	11.13	11.46	14.31	-4.38	9.93	
				9	11.03	11.30	14.18	-4.38	9.80	
				17	11.15	11.35	14.26	-4.38	9.88	
			52T	37	14.23	14.35	17.30	-4.38	12.92	
				41	14.08	14.15	17.13	-4.38	12.75	
				44	14.30	14.27	17.30	-4.38	12.92	
			106T	53	14.21	14.29	17.26	-4.38	12.88	
				54	13.98	14.06	17.03	-4.38	12.65	
				56	14.28	14.26	17.28	-4.38	12.90	
			242T	61	15.67	16.00	18.85	-4.38	14.47	
				62	15.76	15.99	18.89	-4.38	14.51	
			SU	-	15.76	16.01	18.90	-4.38	14.52	

* 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

- LPI

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-7	123	6565	26T	0	-1.47	-0.34	2.14	-4.38	-2.24	24.00
				9	-1.65	-0.53	1.96	-4.38	-2.42	
				17	-1.51	-0.42	2.08	-4.38	-2.30	
			52T	37	1.67	2.72	5.24	-4.38	0.86	
				41	1.42	2.50	5.00	-4.38	0.62	
				44	1.65	2.68	5.21	-4.38	0.83	
			106T	53	5.19	5.08	8.15	-4.38	3.77	
				54	4.96	4.90	7.94	-4.38	3.56	
				56	5.15	5.06	8.12	-4.38	3.74	
			242T	61	9.84	10.30	13.09	-4.38	8.71	
				62	9.82	10.33	13.09	-4.38	8.71	
			SU	-	12.45	12.10	15.29	-4.38	10.91	
	147	6685	26T	0	-1.64	-0.33	2.07	-4.38	-2.31	
				9	-1.92	-0.62	1.79	-4.38	-2.59	
				17	-1.90	-0.49	1.87	-4.38	-2.51	
			52T	37	1.32	2.75	5.10	-4.38	0.72	
				41	1.02	2.50	4.83	-4.38	0.45	
				44	1.08	2.62	4.93	-4.38	0.55	
			106T	53	5.61	5.12	8.38	-4.38	4.00	
				54	5.36	4.95	8.17	-4.38	3.79	
				56	5.51	5.11	8.32	-4.38	3.94	
			242T	61	10.21	10.19	13.21	-4.38	8.83	
				62	10.18	10.25	13.23	-4.38	8.85	
			SU	-	12.75	12.25	15.52	-4.38	11.14	
	179	6845	26T	0	-1.36	-0.69	2.00	-4.38	-2.38	
				9	-1.51	-0.92	1.81	-4.38	-2.57	
				17	-1.32	-0.87	1.92	-4.38	-2.46	
			52T	37	1.65	2.59	5.16	-4.38	0.78	
				41	1.40	2.37	4.92	-4.38	0.54	
				44	1.61	2.50	5.09	-4.38	0.71	
			106T	53	5.30	5.20	8.26	-4.38	3.88	
				54	5.12	5.01	8.08	-4.38	3.70	
				56	5.37	5.18	8.29	-4.38	3.91	
			242T	61	9.92	10.19	13.07	-4.38	8.69	
				62	10.01	10.20	13.12	-4.38	8.74	
			SU	-	12.01	12.13	15.08	-4.38	10.70	

* 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

- LPI

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	-0.89	-0.21	2.47	-3.92	-1.45	24.00
				9	-1.13	-0.48	2.22	-3.92	-1.70	
				17	-1.04	-0.46	2.27	-3.92	-1.65	
			52T	37	2.73	2.59	5.67	-3.92	1.75	
				41	2.55	2.42	5.50	-3.92	1.58	
				44	2.77	2.50	5.65	-3.92	1.73	
			106T	53	5.66	5.34	8.51	-3.92	4.59	
				54	5.50	5.16	8.34	-3.92	4.42	
				56	5.70	5.31	8.52	-3.92	4.60	
			242T	61	10.30	10.41	13.37	-3.92	9.45	
				62	10.31	10.34	13.34	-3.92	9.42	
			SU	-	12.52	12.37	15.46	-3.92	11.54	
	203	6965	26T	0	-1.13	-1.36	1.77	-3.92	-2.15	
				9	-1.30	-1.76	1.49	-3.92	-2.43	
				17	-1.25	-1.77	1.51	-3.92	-2.41	
			52T	37	1.58	1.50	4.55	-3.92	0.63	
				41	1.10	1.02	4.07	-3.92	0.15	
				44	1.36	1.05	4.22	-3.92	0.30	
			106T	53	5.92	5.59	8.77	-3.92	4.85	
				54	5.63	5.33	8.49	-3.92	4.57	
				56	5.84	5.46	8.66	-3.92	4.74	
			242T	61	10.54	10.03	13.30	-3.92	9.38	
				62	10.60	10.02	13.33	-3.92	9.41	
			SU	-	12.65	12.28	15.48	-3.92	11.56	
	227	7085	26T	0	-1.04	-1.85	1.58	-3.92	-2.34	
				9	-0.30	-1.20	2.28	-3.92	-1.64	
				17	-0.25	-1.26	2.28	-3.92	-1.64	
			52T	37	1.76	2.99	5.43	-3.92	1.51	
				41	1.55	2.98	5.33	-3.92	1.41	
				44	1.70	2.97	5.39	-3.92	1.47	
			106T	53	4.07	5.32	7.75	-3.92	3.83	
				54	4.04	5.11	7.62	-3.92	3.70	
				56	4.10	5.31	7.76	-3.92	3.84	
			242T	61	9.32	10.50	12.96	-3.92	9.04	
				62	9.25	10.51	12.94	-3.92	9.02	
			SU	-	11.30	12.28	14.83	-3.92	10.91	

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

PSD Results
- SP

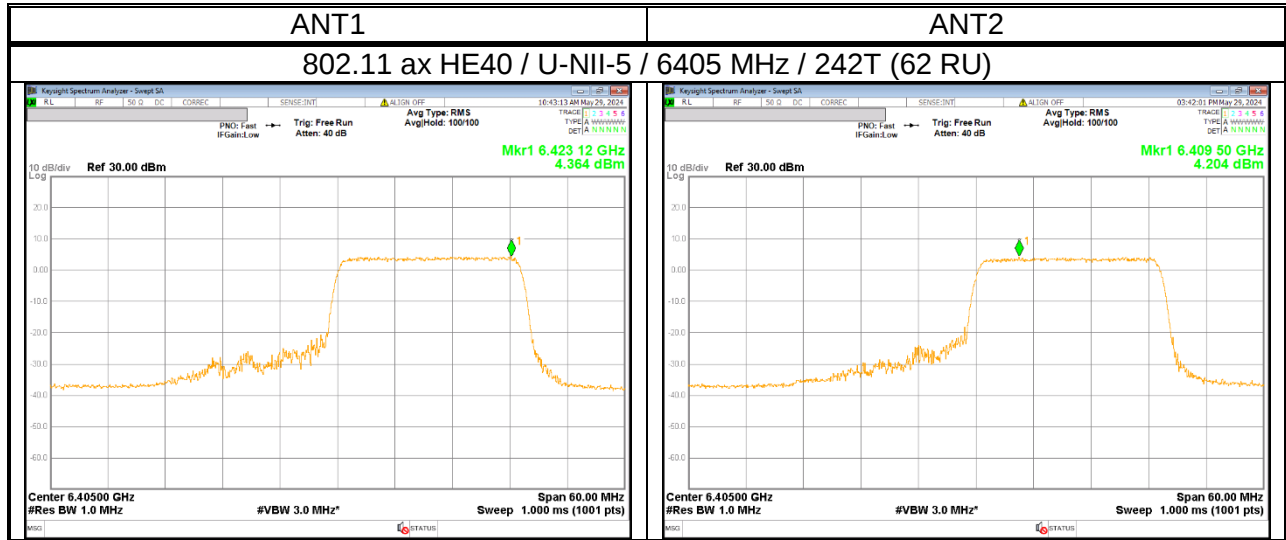
Band	Channel	Freq. [MHz]	Tones	RU offset	Meas PSD [dBm/MHz]			DCCF	Direct. Gain [dBi]	Corr'd PSD e.i.r.p [dBm]	PSD e.i.r.p Limit [dBm/MHz]
					ANT1	ANT2	MIMO				
UNII-5	3	5965	242T	61	4.341	3.889	7.131	0.11	-3.31	3.931	17.00
				62	4.270	4.167	7.229	0.11	-3.31	4.029	
				-	-	-	-	-	-	-	
			SU	-	1.945	1.219	4.607	-	-3.31	1.297	
	43	6165	242T	61	3.810	3.777	6.804	0.11	-3.31	3.604	
				62	3.987	3.831	6.920	0.11	-3.31	3.720	
				-	-	-	-	-	-	-	
			SU	-	0.815	0.804	3.820	-	-3.31	0.510	
	91	6405	242T	61	4.207	4.080	7.154	0.11	-3.31	3.954	
				62	4.364	4.204	7.295	0.11	-3.31	4.095	
				-	-	-	-	-	-	-	
			SU	-	1.321	1.056	4.201	-	-3.31	0.891	
UNII-7	123	6565	242T	61	3.623	3.914	6.781	0.11	-4.38	2.511	
				62	3.815	4.147	6.994	0.11	-4.38	2.724	
				-	-	-	-	-	-	-	
			SU	-	0.737	1.007	3.884	-	-4.38	-0.496	
	147	6685	242T	61	4.010	3.936	6.983	0.11	-4.38	2.713	
				62	4.081	3.881	6.992	0.11	-4.38	2.722	
				-	-	-	-	-	-	-	
			SU	-	0.985	0.729	3.869	-	-4.38	-0.511	
	179	6845	242T	61	3.101	3.851	6.502	0.11	-4.38	2.232	
				62	3.582	3.876	6.742	0.11	-4.38	2.472	
				-	-	-	-	-	-	-	
			SU	-	0.454	1.185	3.845	-	-4.38	-0.535	

- LPI

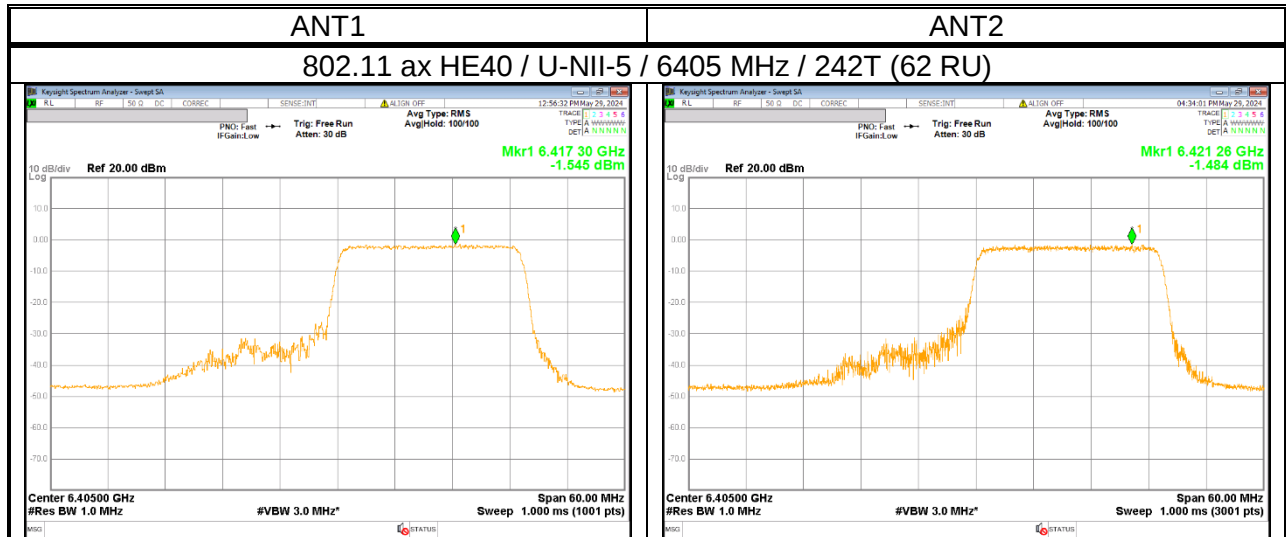
Band	Channel	Freq. [MHz]	Tones	RU offset	Meas PSD [dBm/MHz]			DCCF	Direct. Gain [dBi]	Corr'd PSD e.i.r.p [dBm]	PSD e.i.r.p Limit [dBm/MHz]
					ANT1	ANT2	MIMO				
UNII-5	3	5965	242T	61	-2.377	-1.924	0.866	0.11	-3.31	-2.334	-1.00
				62	-2.323	-1.752	0.982	0.11	-3.31	-2.218	
				-	-	-	-	-	-	-	
			SU	-	-3.234	-2.908	-0.058	-	-3.31	-3.368	
	43	6165	242T	61	-2.335	-1.823	0.939	0.11	-3.31	-2.261	
				62	-1.673	-1.619	1.364	0.11	-3.31	-1.836	
				-	-	-	-	-	-	-	
			SU	-	-3.106	-2.983	-0.034	-	-3.31	-3.344	
	91	6405	242T	61	-1.725	-2.018	1.141	0.11	-3.31	-2.059	
				62	-1.545	-1.484	1.496	0.11	-3.31	-1.704	
				-	-	-	-	-	-	-	
			SU	-	-2.575	-2.723	0.362	-	-3.31	-2.948	
UNII-6	99	242T	61	-1.992	-2.029	1.000	0.11	-4.26	-3.150		
			62	-1.948	-1.416	1.336	0.11	-4.26	-2.814		
			-	-	-	-	-	-	-		
		SU	-	-2.574	-2.758	0.345	-	-4.26	-3.915		
	115	6525	242T	61	-1.943	-2.474	0.810	0.11	-4.26	-3.340	
				62	-2.144	-2.551	0.668	0.11	-4.26	-3.482	
-			-	-	-	-	-	-			
SU	-	-2.555	-3.367	0.068	-	-4.26	-4.192				
UNII-7	123	6565	242T	61	-2.331	-1.981	0.858	0.11	-4.38	-3.412	
				62	-2.226	-1.807	0.999	0.11	-4.38	-3.271	
				-	-	-	-	-	-	-	
		SU	-	-2.401	-2.888	0.373	-	-4.38	-4.007		
	147	6685	242T	61	-1.972	-2.006	1.021	0.11	-4.38	-3.249	
				62	-1.939	-2.053	1.015	0.11	-4.38	-3.255	
				-	-	-	-	-	-	-	
		SU	-	-2.416	-3.158	0.239	-	-4.38	-4.141		
	179	6845	242T	61	-2.651	-2.337	0.519	0.11	-4.38	-3.751	
				62	-2.377	-2.032	0.809	0.11	-4.38	-3.461	
-			-	-	-	-	-	-			
SU	-	-3.281	-3.267	-0.264	-	-4.38	-4.644				
UNII-8	187	6885	242T	61	-2.234	-1.973	0.909	0.11	-3.92	-2.901	
				62	-1.819	-1.632	1.286	0.11	-3.92	-2.524	
				-	-	-	-	-	-	-	
		SU	-	-2.835	-2.733	0.227	-	-3.92	-3.693		
	203	6965	242T	61	-1.637	-1.863	1.262	0.11	-3.92	-2.548	
				62	-1.296	-1.788	1.475	0.11	-3.92	-2.335	
				-	-	-	-	-	-	-	
		SU	-	-2.405	-2.562	0.528	-	-3.92	-3.392		
	227	7085	242T	61	-2.994	-1.726	0.696	0.11	-3.92	-3.114	
				62	-2.699	-1.728	0.824	0.11	-3.92	-2.986	
-			-	-	-	-	-	-			
SU	-	-3.928	-2.823	-0.330	-	-3.92	-4.250				

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

- SP



- LPI



10.1.4. 802.11ax HE80 MODE

Output Power Results - SP

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	11.39	11.29	14.35	-3.31	11.04	30.00
				18	11.29	11.26	14.29	-3.31	10.98	
				36	11.38	11.33	14.37	-3.31	11.06	
			52T	37	14.61	14.18	17.41	-3.31	14.10	
				45	14.60	14.29	17.46	-3.31	14.15	
				52	14.71	14.28	17.51	-3.31	14.20	
			106T	53	14.58	14.10	17.36	-3.31	14.05	
				57	14.59	14.20	17.41	-3.31	14.10	
				60	14.63	14.22	17.44	-3.31	14.13	
			242T	61	16.44	15.99	19.23	-3.31	15.92	
				62	16.51	16.01	19.28	-3.31	15.97	
				64	16.56	16.13	19.36	-3.31	16.05	
			484T	65	16.45	15.99	19.24	-3.31	15.93	
				66	16.47	16.06	19.28	-3.31	15.97	
			SU	-	16.31	15.83	19.09	-3.31	15.78	
	39	6145	26T	0	11.56	11.43	14.51	-3.31	11.20	
				18	11.61	11.32	14.48	-3.31	11.17	
				36	11.70	11.21	14.47	-3.31	11.16	
			52T	37	14.71	14.53	17.63	-3.31	14.32	
				45	14.78	14.42	17.61	-3.31	14.30	
				52	14.83	14.34	17.60	-3.31	14.29	
			106T	53	14.64	14.39	17.53	-3.31	14.22	
				57	14.72	14.31	17.53	-3.31	14.22	
				60	14.79	14.22	17.52	-3.31	14.21	
			242T	61	16.64	16.15	19.41	-3.31	16.10	
				62	16.66	16.17	19.43	-3.31	16.12	
				64	16.78	16.07	19.45	-3.31	16.14	
			484T	65	16.64	16.13	19.40	-3.31	16.09	
				66	16.73	16.05	19.41	-3.31	16.10	
			SU	-	16.47	15.91	19.21	-3.31	15.90	
	87	6385	26T	0	11.83	11.29	14.58	-3.31	11.27	
				18	11.84	11.11	14.50	-3.31	11.19	
				36	11.80	11.01	14.43	-3.31	11.12	
			52T	37	14.55	13.77	17.19	-3.31	13.88	
				45	14.56	13.66	17.14	-3.31	13.83	
				52	14.55	13.50	17.07	-3.31	13.76	
			106T	53	14.42	13.71	17.09	-3.31	13.78	
				57	14.48	13.60	17.07	-3.31	13.76	
				60	14.48	13.50	17.03	-3.31	13.72	
			242T	61	16.33	15.68	19.03	-3.31	15.72	
				62	16.39	15.63	19.04	-3.31	15.73	
				64	16.34	15.50	18.95	-3.31	15.64	
			484T	65	16.29	15.58	18.96	-3.31	15.65	
				66	16.30	15.48	18.92	-3.31	15.61	
			SU	-	16.67	16.00	19.36	-3.31	16.05	

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

- LPI

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-5	7	5985	26T	0	-1.41	-0.87	1.88	-3.31	-1.43	24.00
				18	-1.30	-0.94	1.89	-3.31	-1.42	
				36	-1.05	-0.90	2.04	-3.31	-1.27	
			52T	37	2.50	2.15	5.34	-3.31	2.03	
				45	2.45	2.22	5.35	-3.31	2.04	
				52	2.38	2.27	5.34	-3.31	2.03	
			106T	53	5.58	4.81	8.22	-3.31	4.91	
				57	5.56	4.87	8.24	-3.31	4.93	
				60	5.51	4.93	8.24	-3.31	4.93	
			242T	61	10.12	10.25	13.20	-3.31	9.89	
				62	10.17	10.34	13.27	-3.31	9.96	
				64	10.18	10.41	13.31	-3.31	10.00	
			484T	65	12.23	12.11	15.18	-3.31	11.87	
				66	12.20	12.22	15.22	-3.31	11.91	
			SU	-	15.28	14.81	18.06	-3.31	14.75	
	39	6145	26T	0	-0.86	-0.96	2.10	-3.31	-1.21	
				18	-0.81	-1.14	2.04	-3.31	-1.27	
				36	-0.82	-1.20	2.00	-3.31	-1.31	
			52T	37	2.03	2.34	5.20	-3.31	1.89	
				45	2.10	2.27	5.20	-3.31	1.89	
				52	2.19	2.21	5.21	-3.31	1.90	
			106T	53	5.40	5.08	8.25	-3.31	4.94	
				57	5.49	5.02	8.27	-3.31	4.96	
				60	5.52	4.95	8.25	-3.31	4.94	
			242T	61	10.28	10.24	13.27	-3.31	9.96	
				62	10.37	10.27	13.33	-3.31	10.02	
				64	10.42	10.21	13.33	-3.31	10.02	
			484T	65	12.27	12.21	15.25	-3.31	11.94	
				66	12.33	12.14	15.25	-3.31	11.94	
			SU	-	15.24	15.02	18.14	-3.31	14.83	
	87	6385	26T	0	-1.20	-1.24	1.79	-3.31	-1.52	
				18	-1.29	-1.19	1.77	-3.31	-1.54	
				36	-1.11	-1.00	1.96	-3.31	-1.35	
			52T	37	2.10	2.32	5.22	-3.31	1.91	
				45	2.16	2.21	5.20	-3.31	1.89	
				52	2.12	2.08	5.11	-3.31	1.80	
			106T	53	5.50	4.97	8.25	-3.31	4.94	
				57	5.56	4.90	8.25	-3.31	4.94	
				60	5.59	4.78	8.21	-3.31	4.90	
			242T	61	10.36	10.17	13.28	-3.31	9.97	
				62	10.32	10.13	13.24	-3.31	9.93	
				64	10.40	10.04	13.23	-3.31	9.92	
			484T	65	12.40	12.12	15.27	-3.31	11.96	
				66	12.44	12.04	15.25	-3.31	11.94	
			SU	-	15.23	14.97	18.11	-3.31	14.80	

* 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

- LPI

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	-0.82	-0.94	2.13	-4.26	-2.13	24.00
				18	-0.85	-0.93	2.12	-4.26	-2.14	
				36	-0.74	-0.80	2.24	-4.26	-2.02	
			52T	37	2.33	2.63	5.49	-4.26	1.23	
				45	2.35	2.62	5.50	-4.26	1.24	
				52	2.34	2.54	5.45	-4.26	1.19	
			106T	53	5.62	5.21	8.43	-4.26	4.17	
				57	5.57	5.16	8.38	-4.26	4.12	
				60	5.62	5.15	8.40	-4.26	4.14	
			242T	61	10.38	10.52	13.46	-4.26	9.20	
				62	10.36	10.54	13.46	-4.26	9.20	
				64	10.39	10.53	13.47	-4.26	9.21	
			484T	65	12.61	12.40	15.52	-4.26	11.26	
				66	12.66	12.44	15.56	-4.26	11.30	
			SU	-	15.21	14.99	18.11	-4.26	13.85	

* 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

- SP

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	11.14	10.68	13.93	-4.38	9.55	30.00
				18	11.05	10.63	13.86	-4.38	9.48	
				36	10.95	10.65	13.81	-4.38	9.43	
			52T	37	14.26	13.64	16.97	-4.38	12.59	
				45	14.20	13.71	16.97	-4.38	12.59	
				52	14.09	13.68	16.90	-4.38	12.52	
			106T	53	14.83	13.99	17.44	-4.38	13.06	
				57	14.80	14.08	17.47	-4.38	13.09	
				60	14.73	14.07	17.42	-4.38	13.04	
			242T	61	16.48	15.85	19.19	-4.38	14.81	
				62	16.50	15.95	19.24	-4.38	14.86	
				64	16.36	15.97	19.18	-4.38	14.80	
			484T	65	16.33	15.83	19.10	-4.38	14.72	
				66	16.29	15.92	19.12	-4.38	14.74	
			SU	-	16.22	15.70	18.98	-4.38	14.60	
	151	6705	26T	0	11.38	10.81	14.11	-4.38	9.73	
				18	11.20	10.70	13.97	-4.38	9.59	
				36	11.18	10.74	13.98	-4.38	9.60	
			52T	37	14.55	13.76	17.18	-4.38	12.80	
				45	14.43	13.78	17.13	-4.38	12.75	
				52	14.34	13.70	17.04	-4.38	12.66	
			106T	53	14.38	13.66	17.05	-4.38	12.67	
				57	14.32	13.68	17.02	-4.38	12.64	
				60	14.20	13.61	16.93	-4.38	12.55	
			242T	61	16.05	15.50	18.79	-4.38	14.41	
				62	16.10	15.45	18.80	-4.38	14.42	
				64	16.05	15.54	18.81	-4.38	14.43	
			484T	65	16.62	15.88	19.28	-4.38	14.90	
				66	16.52	15.90	19.23	-4.38	14.85	
			SU	-	16.47	15.70	19.11	-4.38	14.73	
	167	6785	26T	0	11.23	10.73	14.00	-4.38	9.62	
				18	11.15	10.65	13.92	-4.38	9.54	
				36	11.29	10.70	14.02	-4.38	9.64	
			52T	37	14.40	13.54	17.00	-4.38	12.62	
				45	14.41	13.55	17.01	-4.38	12.63	
				52	14.42	13.53	17.01	-4.38	12.63	
			106T	53	14.25	13.44	16.87	-4.38	12.49	
				57	14.33	13.45	16.92	-4.38	12.54	
				60	14.35	13.50	16.96	-4.38	12.58	
			242T	61	16.18	15.33	18.79	-4.38	14.41	
				62	16.25	15.32	18.82	-4.38	14.44	
				64	16.30	15.35	18.86	-4.38	14.48	
			484T	65	16.11	15.26	18.72	-4.38	14.34	
				66	16.20	15.32	18.79	-4.38	14.41	
			SU	-	16.32	15.63	19.00	-4.38	14.62	

* 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

- LPI

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-7	119	6545	26T	0	-1.35	-0.36	2.18	-4.38	-2.20	24.00
				18	-1.43	-0.47	2.09	-4.38	-2.29	
				36	-1.35	-0.48	2.12	-4.38	-2.26	
			52T	37	1.87	2.82	5.38	-4.38	1.00	
				45	1.81	2.78	5.33	-4.38	0.95	
				52	1.92	2.76	5.37	-4.38	0.99	
			106T	53	5.20	4.36	7.81	-4.38	3.43	
				57	5.25	4.45	7.88	-4.38	3.50	
				60	5.15	4.43	7.82	-4.38	3.44	
			242T	61	10.38	10.02	13.21	-4.38	8.83	
				62	10.41	10.10	13.27	-4.38	8.89	
				64	10.42	10.15	13.30	-4.38	8.92	
			484T	65	12.61	11.96	15.31	-4.38	10.93	
				66	12.66	12.03	15.37	-4.38	10.99	
			SU	-	15.46	14.75	18.13	-4.38	13.75	
	151	6705	26T	0	-1.62	-0.42	2.03	-4.38	-2.35	
				18	-1.97	-0.63	1.76	-4.38	-2.62	
				36	-1.96	-0.69	1.73	-4.38	-2.65	
			52T	37	1.61	2.73	5.22	-4.38	0.84	
				45	1.13	2.56	4.91	-4.38	0.53	
				52	0.90	2.52	4.80	-4.38	0.42	
			106T	53	5.55	4.99	8.29	-4.38	3.91	
				57	5.49	4.98	8.25	-4.38	3.87	
				60	5.44	4.99	8.23	-4.38	3.85	
			242T	61	10.24	10.17	13.22	-4.38	8.84	
				62	10.19	10.18	13.20	-4.38	8.82	
				64	10.18	10.16	13.18	-4.38	8.80	
			484T	65	12.70	12.09	15.42	-4.38	11.04	
				66	12.68	12.11	15.41	-4.38	11.03	
			SU	-	15.36	14.80	18.10	-4.38	13.72	
	183	6865	26T	0	-1.56	-1.05	1.71	-4.38	-2.67	
				18	-1.73	-1.16	1.57	-4.38	-2.81	
				36	-1.80	-1.30	1.47	-4.38	-2.91	
			52T	37	2.57	2.32	5.46	-4.38	1.08	
				45	2.70	2.37	5.55	-4.38	1.17	
				52	2.68	2.33	5.52	-4.38	1.14	
			106T	53	5.51	5.03	8.29	-4.38	3.91	
				57	5.66	5.08	8.39	-4.38	4.01	
				60	5.65	5.02	8.36	-4.38	3.98	
			242T	61	10.30	10.22	13.27	-4.38	8.89	
				62	10.35	10.28	13.33	-4.38	8.95	
				64	10.46	10.25	13.37	-4.38	8.99	
			484T	65	12.45	12.13	15.30	-4.38	10.92	
				66	12.56	12.15	15.37	-4.38	10.99	
			SU	-	14.99	14.85	17.93	-4.38	13.55	

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

- LPI

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	-1.10	-1.33	1.80	-3.92	-2.12	24.00
				18	-1.40	-1.69	1.47	-3.92	-2.45	
				36	-1.13	-1.63	1.64	-3.92	-2.28	
			52T	37	2.86	2.87	5.88	-3.92	1.96	
				45	2.80	2.72	5.77	-3.92	1.85	
				52	2.79	2.53	5.67	-3.92	1.75	
			106T	53	5.53	5.43	8.49	-3.92	4.57	
				57	5.44	5.24	8.35	-3.92	4.43	
				60	5.46	5.11	8.30	-3.92	4.38	
			242T	61	10.01	10.10	13.07	-3.92	9.15	
				62	9.99	10.03	13.02	-3.92	9.10	
				64	9.98	9.86	12.93	-3.92	9.01	
			484T	65	12.06	12.08	15.08	-3.92	11.16	
				66	12.05	11.94	15.01	-3.92	11.09	
			SU	-	15.20	15.13	18.18	-3.92	14.26	
	215	7025	26T	0	-0.70	-1.09	2.12	-3.92	-1.80	
				18	-0.97	-1.60	1.74	-3.92	-2.18	
				36	-0.71	-1.37	1.98	-3.92	-1.94	
			52T	37	2.64	2.69	5.68	-3.92	1.76	
				45	2.48	2.68	5.59	-3.92	1.67	
				52	2.55	2.76	5.67	-3.92	1.75	
			106T	53	5.76	5.39	8.59	-3.92	4.67	
				57	5.71	5.42	8.58	-3.92	4.66	
				60	5.72	5.44	8.59	-3.92	4.67	
			242T	61	10.36	10.53	13.46	-3.92	9.54	
				62	10.29	10.52	13.42	-3.92	9.50	
				64	10.31	10.63	13.48	-3.92	9.56	
			484T	65	12.41	12.30	15.37	-3.92	11.45	
				66	12.38	12.37	15.39	-3.92	11.47	
			SU	-	15.27	15.20	18.25	-3.92	14.33	

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

PSD Results
- SP

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	3.729	3.567	6.659	0.11	-3.31	3.459	17.00
				62	3.809	3.703	6.767	0.11	-3.31	3.567	
				64	3.929	3.855	6.902	0.11	-3.31	3.702	
			SU	-	-2.062	-2.578	0.698	-	-3.31	-2.612	
	39	6145	242T	61	3.826	3.480	6.667	0.11	-3.31	3.467	
				62	3.914	3.409	6.679	0.11	-3.31	3.479	
				64	4.268	3.759	7.031	0.11	-3.31	3.831	
			SU	-	-2.303	-2.598	0.562	-	-3.31	-2.748	
	87	6385	242T	61	3.667	3.271	6.484	0.11	-3.31	3.284	
				62	3.976	3.263	6.644	0.11	-3.31	3.444	
				64	3.834	3.709	6.782	0.11	-3.31	3.582	
			SU	-	-1.444	-1.968	1.312	-	-3.31	-1.998	
UNII-7	135	6625	242T	61	3.844	3.424	6.649	0.11	-4.38	2.379	
				62	3.990	3.541	6.782	0.11	-4.38	2.512	
				64	3.847	3.630	6.750	0.11	-4.38	2.480	
			SU	-	-2.091	-2.430	0.753	-	-4.38	-3.627	
	151	6705	242T	61	3.848	2.979	6.445	0.11	-4.38	2.175	
				62	3.772	3.310	6.557	0.11	-4.38	2.287	
				64	3.747	3.395	6.585	0.11	-4.38	2.315	
			SU	-	-1.838	-2.443	0.880	-	-4.38	-3.500	
	167	6785	242T	61	3.710	2.806	6.292	0.11	-4.38	2.022	
				62	3.701	2.872	6.317	0.11	-4.38	2.047	
				64	3.792	2.995	6.422	0.11	-4.38	2.152	
			SU	-	-2.201	-2.811	0.515	-	-4.38	-3.865	

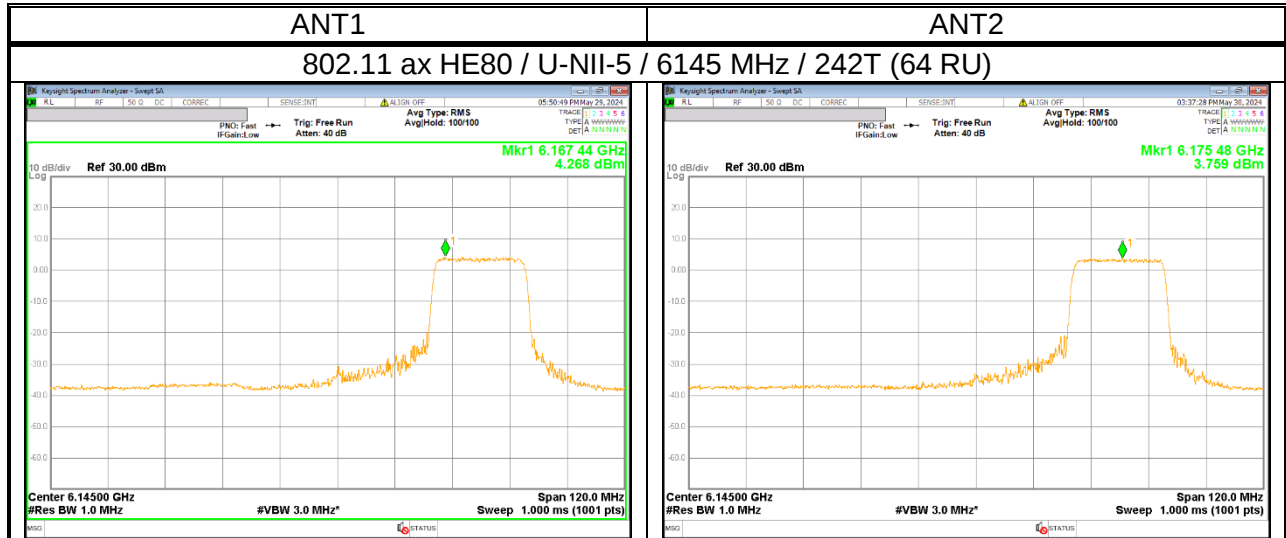
* Corr'd PSD e.i.r.p = ANT1 Meas PSD + Ant2 Meas PSD + DCCF + Directional Gain

- LPI

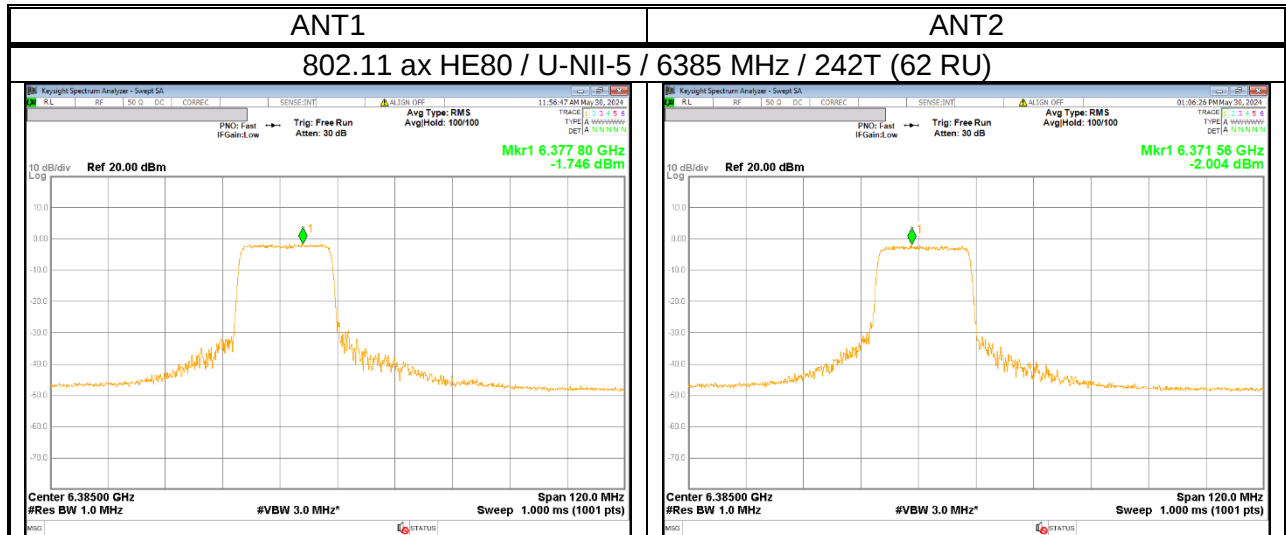
Band	Channel	Freq. [MHz]	Tones	RU offset	Meas PSD [dBm/MHz]			DCCF	Direct. Gain [dBi]	Corr'd PSD e.i.r.p [dBm]	PSD e.i.r.p Limit [dBm/MHz]
					ANT1	ANT2	MIMO				
UNII-5	7	5985	242T	61	-2.087	-2.302	0.817	0.11	-3.31	-2.383	-1.00
				62	-2.229	-2.218	0.787	0.11	-3.31	-2.413	
				64	-2.150	-2.067	0.902	0.11	-3.31	-2.298	
			SU	-	-2.855	-3.542	-0.175	-	-3.31	-3.485	
	39	6145	242T	61	-2.323	-2.491	0.604	0.11	-3.31	-2.596	
				62	-2.294	-2.620	0.556	0.11	-3.31	-2.644	
				64	-2.244	-2.272	0.752	0.11	-3.31	-2.448	
			SU	-	-3.406	-3.664	-0.523	-	-3.31	-3.833	
	87	6385	242T	61	-1.798	-2.271	0.982	0.11	-3.31	-2.218	
				62	-1.746	-2.004	1.137	0.11	-3.31	-2.063	
				64	-1.498	-2.297	1.131	0.11	-3.31	-2.069	
			SU	-	-2.673	-3.281	0.044	-	-3.31	-3.266	
UNII-6	103	6465	242T	61	-0.979	-0.872	2.085	0.11	-4.26	-2.065	
				62	-1.641	-1.315	1.535	0.11	-4.26	-2.615	
				64	-1.631	-1.692	1.349	0.11	-4.26	-2.801	
			SU	-	-2.676	-2.975	0.187	-	-4.26	-4.073	
UNII-7	119	6545	242T	61	-1.656	-2.043	1.165	0.11	-4.38	-3.105	
				62	-1.337	-1.852	1.423	0.11	-4.38	-2.847	
				64	-1.783	-1.817	1.210	0.11	-4.38	-3.060	
			SU	-	-2.399	-2.839	0.397	-	-4.38	-3.983	
	151	6705	242T	61	-1.994	-2.226	0.902	0.11	-4.38	-3.368	
				62	-2.025	-1.829	1.084	0.11	-4.38	-3.186	
				64	-2.233	-1.860	0.968	0.11	-4.38	-3.302	
			SU	-	-2.531	-3.598	-0.022	-	-4.38	-4.402	
	183	6865	242T	61	-2.346	-2.261	0.707	0.11	-4.38	-3.563	
				62	-2.224	-1.950	0.925	0.11	-4.38	-3.345	
				64	-1.744	-1.736	1.270	0.11	-4.38	-3.000	
			SU	-	-3.425	-3.454	-0.429	-	-4.38	-4.809	
UNII-8	199	6945	242T	61	-2.268	-1.943	0.908	0.11	-3.92	-2.902	
				62	-2.449	-2.114	0.732	0.11	-3.92	-3.078	
				64	-2.318	-2.043	0.832	0.11	-3.92	-2.978	
			SU	-	-3.150	-2.610	0.139	-	-3.92	-3.781	
	215	7025	242T	61	-2.055	-1.327	1.335	0.11	-3.92	-2.475	
				62	-2.193	-1.498	1.179	0.11	-3.92	-2.631	
				64	-2.080	-1.576	1.190	0.11	-3.92	-2.620	
			SU	-	-2.981	-2.583	0.233	-	-3.92	-3.687	

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

- SP



- LPI



10.1.5. 802.11ax HE160 MODE

Output Power Results - SP

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-5	15	6025	26T	0L	10.86	10.91	13.90	-3.31	10.59	30.00
				0U	11.02	11.74	14.41	-3.31	11.10	
				36U	11.32	10.85	14.10	-3.31	10.79	
			52T	37L	13.98	13.93	16.97	-3.31	13.66	
				37U	14.12	13.94	17.04	-3.31	13.73	
				52U	14.46	13.90	17.20	-3.31	13.89	
			106T	53L	14.08	13.69	16.90	-3.31	13.59	
				53U	14.22	14.13	17.19	-3.31	13.88	
				60U	14.65	14.03	17.36	-3.31	14.05	
			242T	61L	16.15	15.62	18.90	-3.31	15.59	
				61U	16.35	16.01	19.19	-3.31	15.88	
				64U	16.66	15.76	19.24	-3.31	15.93	
			484T	65L	16.10	15.55	18.84	-3.31	15.53	
				66L	16.18	15.79	19.00	-3.31	15.69	
				66U	16.50	15.84	19.19	-3.31	15.88	
			996T	67L	16.08	15.62	18.87	-3.31	15.56	
				67U	16.41	15.88	19.16	-3.31	15.85	
			SU	-	16.60	16.08	19.36	-3.31	16.05	
	47	6185	26T	0L	11.21	10.95	14.09	-3.31	10.78	
				0U	11.75	10.98	14.39	-3.31	11.08	
				36U	11.68	10.90	14.32	-3.31	11.01	
			52T	37L	14.38	14.02	17.21	-3.31	13.90	
				37U	14.81	13.90	17.39	-3.31	14.08	
				52U	14.75	13.87	17.34	-3.31	14.03	
			106T	53L	14.47	14.12	17.31	-3.31	14.00	
				53U	14.85	13.98	17.45	-3.31	14.14	
				60U	14.84	13.98	17.44	-3.31	14.13	
			242T	61L	16.38	16.10	19.25	-3.31	15.94	
				61U	16.65	15.85	19.28	-3.31	15.97	
				64U	16.75	15.96	19.38	-3.31	16.07	
			484T	65L	16.46	16.02	19.26	-3.31	15.95	
				66L	16.67	15.85	19.29	-3.31	15.98	
				66U	16.70	15.88	19.32	-3.31	16.01	
			996T	67L	16.50	15.88	19.21	-3.31	15.90	
				67U	16.68	15.79	19.27	-3.31	15.96	
			SU	-	16.85	16.15	19.52	-3.31	16.21	
	79	6345	26T	0L	11.36	10.74	14.07	-3.31	10.76	
				0U	11.57	10.45	14.06	-3.31	10.75	
				36U	11.53	10.77	14.18	-3.31	10.87	
			52T	37L	14.44	14.18	17.32	-3.31	14.01	
				37U	14.59	13.08	16.91	-3.31	13.60	
				52U	14.58	13.71	17.18	-3.31	13.87	
			106T	53L	14.53	14.29	17.42	-3.31	14.11	
				53U	14.68	13.08	16.96	-3.31	13.65	
				60U	14.69	13.74	17.25	-3.31	13.94	
			242T	61L	16.45	15.90	19.19	-3.31	15.88	
				61U	16.49	15.31	18.95	-3.31	15.64	
				64U	16.53	15.20	18.93	-3.31	15.62	
			484T	65L	16.45	15.76	19.13	-3.31	15.82	
				66L	16.44	15.33	18.93	-3.31	15.62	
				66U	16.52	15.08	18.87	-3.31	15.56	
			996T	67L	16.45	15.55	19.03	-3.31	15.72	
				67U	16.51	15.10	18.87	-3.31	15.56	
			SU	-	16.80	15.62	19.26	-3.31	15.95	

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

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

* HE160 = HE80L + HE80U

- LPI

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	-1.83	-0.47	1.91	-3.31	-1.40	24.00
				0U	-0.59	-0.12	2.66	-3.31	-0.65	
				36U	-0.10	-0.64	2.65	-3.31	-0.66	
			52T	37L	2.32	2.38	5.36	-3.31	2.05	
				37U	2.50	2.66	5.59	-3.31	2.28	
				52U	2.68	2.56	5.63	-3.31	2.32	
			106T	53L	5.68	5.24	8.48	-3.31	5.17	
				53U	5.78	5.45	8.63	-3.31	5.32	
				60U	5.68	4.88	8.31	-3.31	5.00	
			242T	61L	10.22	9.98	13.11	-3.31	9.80	
				61U	10.26	10.12	13.20	-3.31	9.89	
				64U	10.53	10.13	13.34	-3.31	10.03	
			484T	65L	12.22	11.98	15.11	-3.31	11.80	
				66L	12.20	12.05	15.14	-3.31	11.83	
				66U	12.52	12.11	15.33	-3.31	12.02	
			996T	67L	15.18	14.92	18.06	-3.31	14.75	
				67U	15.38	15.01	18.21	-3.31	14.90	
			SU	-	16.68	16.28	19.49	-3.31	16.18	
	47	6185	26T	0L	-1.36	-0.91	1.88	-3.31	-1.43	
				0U	-0.75	-0.76	2.26	-3.31	-1.05	
				36U	-1.50	-1.03	1.75	-3.31	-1.56	
			52T	37L	1.70	2.55	5.16	-3.31	1.85	
				37U	2.08	2.59	5.35	-3.31	2.04	
				52U	2.15	2.33	5.25	-3.31	1.94	
			106T	53L	5.15	5.44	8.31	-3.31	5.00	
				53U	5.59	5.36	8.49	-3.31	5.18	
				60U	5.58	5.23	8.42	-3.31	5.11	
			242T	61L	10.08	10.65	13.38	-3.31	10.07	
				61U	10.38	10.55	13.48	-3.31	10.17	
				64U	10.36	10.45	13.42	-3.31	10.11	
			484T	65L	12.23	12.59	15.42	-3.31	12.11	
				66L	12.37	12.55	15.47	-3.31	12.16	
				66U	12.56	12.41	15.50	-3.31	12.19	
			996T	67L	15.41	15.53	18.48	-3.31	15.17	
				67U	15.52	15.39	18.47	-3.31	15.16	
			SU	-	16.73	16.80	19.78	-3.31	16.47	
	79	6345	26T	0L	-0.90	-0.86	2.13	-3.31	-1.18	
				0U	-0.95	-0.38	2.35	-3.31	-0.96	
				36U	-1.03	-0.46	2.27	-3.31	-1.04	
			52T	37L	2.35	2.65	5.51	-3.31	2.20	
				37U	2.60	2.61	5.62	-3.31	2.31	
				52U	2.53	2.34	5.45	-3.31	2.14	
			106T	53L	5.58	5.49	8.55	-3.31	5.24	
				53U	5.76	5.43	8.61	-3.31	5.30	
				60U	5.84	5.19	8.54	-3.31	5.23	
			242T	61L	10.62	10.65	13.65	-3.31	10.34	
				61U	10.60	10.51	13.57	-3.31	10.26	
				64U	10.77	10.36	13.58	-3.31	10.27	
			484T	65L	12.54	12.58	15.57	-3.31	12.26	
				66L	12.60	12.50	15.56	-3.31	12.25	
				66U	12.67	12.33	15.51	-3.31	12.20	
			996T	67L	15.74	15.63	18.70	-3.31	15.39	
				67U	15.83	15.48	18.67	-3.31	15.36	
			SU	-	16.60	16.35	19.49	-3.31	16.18	

* 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

- LPI

Band	Channel	Freq. [MHz]	Tones	RU offset	Average Power [dBm]			Direct. Gain [dBi]	Corr'd e.i.r.p [dBm]	Max e.i.r.p Limit [dBm]
					ANT1	ANT2	MIMO			
UNII-6	111	6505	26T	0L	-1.07	-0.97	1.99	-4.26	-2.27	24.00
				0U	-0.64	-0.47	2.46	-4.26	-1.80	
				36U	-0.83	-0.82	2.19	-4.26	-2.07	
			52T	37L	2.39	2.10	5.26	-4.26	1.00	
				37U	2.64	2.21	5.44	-4.26	1.18	
				52U	2.48	2.17	5.34	-4.26	1.08	
			106T	53L	5.61	4.88	8.27	-4.26	4.01	
				53U	5.75	4.96	8.38	-4.26	4.12	
				60U	5.73	4.98	8.38	-4.26	4.12	
			242T	61L	10.42	10.05	13.25	-4.26	8.99	
				61U	10.41	10.09	13.26	-4.26	9.00	
				64U	10.48	10.12	13.31	-4.26	9.05	
			484T	65L	12.43	11.95	15.21	-4.26	10.95	
				66L	12.51	11.97	15.26	-4.26	11.00	
				66U	12.66	12.04	15.37	-4.26	11.11	
			996T	67L	15.50	14.83	18.19	-4.26	13.93	
				67U	15.63	14.93	18.30	-4.26	14.04	
			SU	-	16.77	16.19	19.50	-4.26	15.24	

* 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

- SP

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	11.61	10.45	14.08	-4.38	9.70	30.00
				0U	11.62	10.70	14.19	-4.38	9.81	
				36U	11.34	10.50	13.95	-4.38	9.57	
			52T	37L	14.75	13.11	17.02	-4.38	12.64	
				37U	14.73	13.60	17.21	-4.38	12.83	
				52U	14.43	13.47	16.99	-4.38	12.61	
			106T	53L	14.84	13.27	17.14	-4.38	12.76	
				53U	14.80	13.64	17.27	-4.38	12.89	
				60U	14.61	13.55	17.12	-4.38	12.74	
			242T	61L	16.50	15.21	18.91	-4.38	14.53	
				61U	16.34	15.59	18.99	-4.38	14.61	
				64U	16.28	15.53	18.93	-4.38	14.55	
			484T	65L	16.42	15.23	18.88	-4.38	14.50	
				66L	16.37	15.37	18.91	-4.38	14.53	
				66U	16.16	15.51	18.86	-4.38	14.48	
			996T	67L	16.38	15.30	18.88	-4.38	14.50	
				67U	16.26	15.51	18.91	-4.38	14.53	
			SU	-	16.66	15.56	19.16	-4.38	14.78	

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

- LPI

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	-1.36	-1.02	1.82	-4.38	-2.56	24.00
				0U	-1.45	-0.94	1.82	-4.38	-2.56	
				36U	-1.50	-0.62	1.97	-4.38	-2.41	
			52T	37L	2.58	1.65	5.15	-4.38	0.77	
				37U	2.65	1.92	5.31	-4.38	0.93	
				52U	2.34	1.85	5.11	-4.38	0.73	
			106T	53L	5.67	4.89	8.31	-4.38	3.93	
				53U	5.70	5.13	8.43	-4.38	4.05	
				60U	5.42	5.09	8.27	-4.38	3.89	
			242T	61L	10.38	9.77	13.10	-4.38	8.72	
				61U	10.35	9.91	13.15	-4.38	8.77	
				64U	10.26	9.97	13.13	-4.38	8.75	
			484T	65L	12.28	11.67	15.00	-4.38	10.62	
				66L	12.27	11.73	15.02	-4.38	10.64	
				66U	12.12	11.80	14.97	-4.38	10.59	
			996T	67L	15.38	14.61	18.02	-4.38	13.64	
				67U	15.20	14.72	17.98	-4.38	13.60	
			SU	-	16.48	15.95	19.23	-4.38	14.85	
	175	6825	26T	0L	-1.07	-1.16	1.90	-4.38	-2.48	
				0U	-1.26	-0.61	2.09	-4.38	-2.29	
				36U	-1.61	-1.19	1.62	-4.38	-2.76	
			52T	37L	2.07	2.14	5.12	-4.38	0.74	
				37U	2.35	2.39	5.38	-4.38	1.00	
				52U	2.48	2.27	5.39	-4.38	1.01	
			106T	53L	5.27	4.94	8.12	-4.38	3.74	
				53U	5.48	5.14	8.32	-4.38	3.94	
				60U	5.68	5.08	8.40	-4.38	4.02	
			242T	61L	9.60	10.00	12.81	-4.38	8.43	
				61U	9.84	10.07	12.97	-4.38	8.59	
				64U	10.09	10.16	13.14	-4.38	8.76	
			484T	65L	11.70	11.90	14.81	-4.38	10.43	
				66L	11.86	11.95	14.92	-4.38	10.54	
				66U	12.12	12.02	15.08	-4.38	10.70	
			996T	67L	14.68	14.88	17.79	-4.38	13.41	
				67U	14.84	15.02	17.94	-4.38	13.56	
			SU	-	16.28	16.18	19.24	-4.38	14.86	

* 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

- LPI

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	-1.15	-1.57	1.66	-3.92	-2.26	24.00
				0U	-1.33	-1.58	1.56	-3.92	-2.36	
				36U	-1.07	-1.63	1.67	-3.92	-2.25	
			52T	37L	2.37	2.80	5.60	-3.92	1.68	
				37U	2.38	2.68	5.54	-3.92	1.62	
				52U	2.23	2.67	5.47	-3.92	1.55	
			106T	53L	5.69	5.65	8.68	-3.92	4.76	
				53U	5.62	5.48	8.56	-3.92	4.64	
				60U	5.56	5.49	8.54	-3.92	4.62	
			242T	61L	10.24	10.81	13.54	-3.92	9.62	
				61U	10.14	10.60	13.39	-3.92	9.47	
				64U	10.06	10.69	13.40	-3.92	9.48	
			484T	65L	12.32	12.55	15.45	-3.92	11.53	
				66L	12.30	12.41	15.37	-3.92	11.45	
				66U	12.08	12.32	15.21	-3.92	11.29	
			996T	67L	15.31	15.47	18.40	-3.92	14.48	
				67U	15.19	15.34	18.28	-3.92	14.36	
			SU	-	16.41	16.69	19.56	-3.92	15.64	

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

PSD Results
- SP

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	3.876	4.818	7.383	0.12	-3.31	4.193	17.00
				61U	4.132	4.928	7.559	0.12	-3.31	4.369	
				64U	4.324	4.964	7.666	0.12	-3.31	4.476	
			SU	-	-3.576	-3.752	-0.653	-	-3.31	-3.963	
	47	6185	242T	61L	4.138	4.838	7.512	0.12	-3.31	4.322	
				61U	4.323	4.900	7.631	0.12	-3.31	4.441	
				64U	4.285	4.734	7.526	0.12	-3.31	4.336	
			SU	-	-4.369	-3.803	-1.066	-	-3.31	-4.376	
	79	6345	242T	61L	4.806	5.091	7.961	0.12	-3.31	4.771	
				61U	5.073	4.734	7.917	0.12	-3.31	4.727	
				64U	5.046	4.770	7.920	0.12	-3.31	4.730	
			SU	-	-3.738	-3.518	-0.616	-	-3.31	-3.926	
UNII-7	143	6665	242T	61L	4.765	4.310	7.554	0.12	-4.38	3.294	
				61U	4.543	4.578	7.571	0.12	-4.38	3.311	
				64U	4.133	4.410	7.284	0.12	-4.38	3.024	
			SU	-	-3.650	-3.861	-0.744	-	-4.38	-5.124	

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

* HE160 = HE80L + HE80U

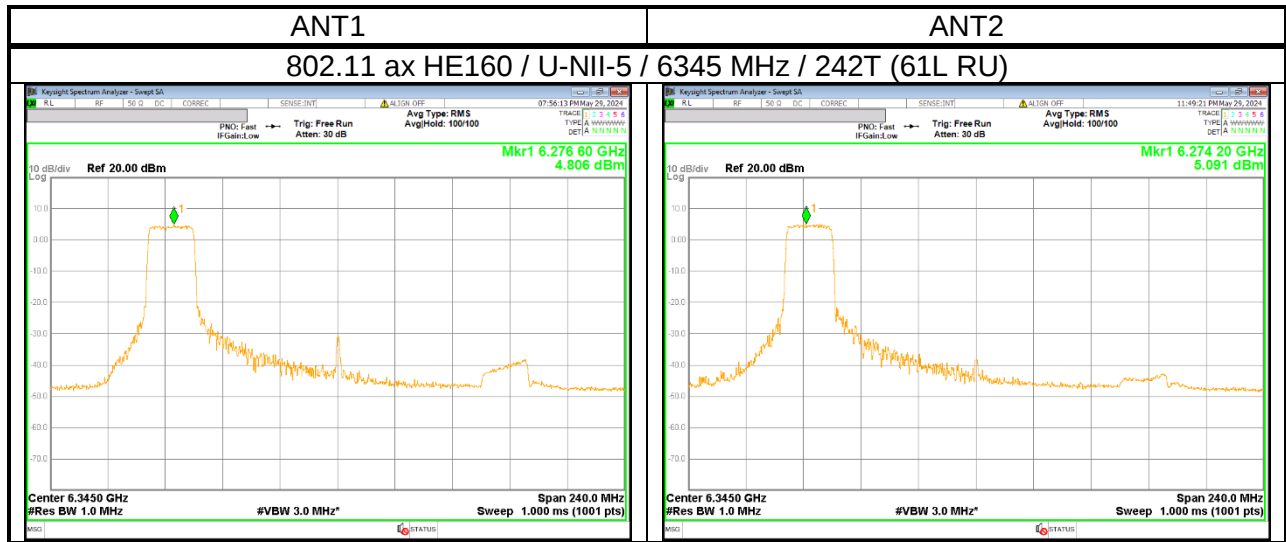
- LPI

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	-2.264	-1.623	1.079	0.12	-3.31	-2.111	-1.00
				61U	-2.168	-1.709	1.078	0.12	-3.31	-2.112	
				64U	-2.153	-1.697	1.091	0.12	-3.31	-2.099	
			SU	-	-4.565	-4.451	-1.497	-	-3.31	-4.807	
	47	6185	242T	61L	-1.945	-1.314	1.392	0.12	-3.31	-1.798	
				61U	-1.820	-0.860	1.697	0.12	-3.31	-1.493	
				64U	-1.640	-1.552	1.415	0.12	-3.31	-1.775	
			SU	-	-4.239	-3.759	-0.982	-	-3.31	-4.292	
	79	6345	242T	61L	-1.515	-0.764	1.887	0.12	-3.31	-1.303	
				61U	-1.343	-1.225	1.727	0.12	-3.31	-1.463	
				64U	-1.258	-1.304	1.729	0.12	-3.31	-1.461	
			SU	-	-3.967	-3.828	-0.887	-	-3.31	-4.197	
UNII-6	111	6505	242T	61L	-1.364	-1.863	1.404	0.12	-4.26	-2.736	
				61U	-1.344	-1.688	1.498	0.12	-4.26	-2.642	
				64U	-1.656	-1.422	1.473	0.12	-4.26	-2.667	
			SU	-	-4.045	-4.099	-1.062	-	-4.26	-5.322	
UNII-7	143	6665	242T	61L	-1.759	-2.115	1.077	0.12	-4.38	-3.183	
				61U	-1.652	-2.049	1.164	0.12	-4.38	-3.096	
				64U	-1.753	-1.900	1.184	0.12	-4.38	-3.076	
			SU	-	-3.929	-4.551	-1.219	-	-4.38	-5.599	
	175	6825	242T	61L	-2.392	-2.060	0.787	0.12	-4.38	-3.473	
				61U	-1.736	-1.568	1.359	0.12	-4.38	-2.901	
				64U	-2.063	-1.763	1.100	0.12	-4.38	-3.160	
			SU	-	-4.608	-4.587	-1.587	-	-4.38	-5.967	
UNII-8	207	6985	242T	61L	-1.873	-0.994	1.599	0.12	-3.92	-2.201	
				61U	-2.100	-1.287	1.336	0.12	-3.92	-2.464	
				64U	-1.795	-1.089	1.583	0.12	-3.92	-2.217	
			SU	-	-4.476	-3.547	-0.976	-	-3.92	-4.896	

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

* HE160 = HE80L + HE80U

PPSD PLOTS (WORST CASE)
- SP



- LPI



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 $\geq 3 \times$ RBW
 - d) Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$.
 - 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.

Note: SU & RU modes are fully tested. SU modes are reported the entire test case, RU modes are reported only the worst-case scenario.

10.2.1. 802.11 a MODE

- SP



- SP



- LPI



- LPI



- LPI

