

# CERTIFICATION TEST REPORT

**Report Number.** : 4791196626-E9V2

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

**Model** : SM-F956B, SM-F956B/DS

**FCC ID** : A3LSMF956B

**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:**  
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Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
V1	2024-05-02	Initial issue	SunGeun Lee
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# 1. ATTESTATION OF TEST RESULTS

**COMPANY NAME:** SAMSUNG ELECTRONICS CO., LTD.

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

**MODEL NUMBER:** SM-F956B, SM-F956B/DS

**SERIAL NUMBER:** 7b456b5547507ece, 7b456b5517507ece (CONDUCTED, Original);  
R3CX10W6K4M, R3CX309QRBH (RADIATED, Original);  
R3CX403NAWN (RADIATED, Spot-check);

**DATE TESTED:** 2024-02-20 ~ 2024-04-25  
2024-04-19 ~ 2024-05-02 (Spot-check)

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  
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UL KOREA LTD.

Tested By:



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Suwon Lab Engineer  
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## 1.1. INTRODUCTION OF TEST DATA REUSE

This report referenced from the FCC ID: A3LSMF956U NII WLAN (FCC 47 CFR 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 A3LSMF956B model shares the same enclosure and circuit board except WWAN bands as A3LSMF956U. 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 A3LSMF956B remains representative of A3LSMF956U. The test data of A3LSMF956U being submitted for this application to cover WLAN features.

## 1.3. DEVIATION CRITERIA

Spot check may be considered acceptable when the deviation  $d_{dB}$  from the reference data satisfies the following condition:

$$d_{dB} = |V_{dB} - R_{dB}| \leq (3 + M_{dB}/20) \text{ dB}, \text{ for } 0 \leq M_{dB} \leq 60 \text{ dB}$$

$$d_{dB} = |V_{dB} - R_{dB}| = 6 \text{ dB}, \text{ for } M_{dB} > 60 \text{ dB}$$

Where relevant, the following sample calculation is provided:

$$\text{CRITERIA} = 3 + (\text{Test limit} - \text{Measured original value})/20$$

$$3 + (54 \text{ dBuV/m} - 33.68 \text{ dBuV/m})/20 = 4.02 \text{ dB}$$

### 1.4. SPOT CHECK VERIFICATION DATA

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

Feature	Band	Test Item	Mode	Frequency	Test Limit	Original model	Spot check model	Deviation	Remark
						SM-F956U Results	SM-F956B Results		
						FCC ID : A3LSMF956U	FCC ID : A3LSMF956B		
6CD WLAN (6GHz)	5	Band-edge	802.11a	5955 MHz	68.0 dBuV/m	45.47 dBuV/m	44.90 dBuV/m	-0.57 dB	-
		Spurious	802.11a	12350 MHz	54.0 dBuV/m	42.14 dBuV/m	41.54 dBuV/m	-0.60 dB	-
	6	Spurious	802.11a	16088 MHz	54.0 dBuV/m	42.31 dBuV/m	43.01 dBuV/m	0.70 dB	-
		Spurious	802.11a	8226 MHz	54.0 dBuV/m	42.20 dBuV/m	40.09 dBuV/m	-2.11 dB	-
	8	Band-edge	802.11a	7115 MHz	68.0 dBuV/m	64.28 dBuV/m	65.86 dBuV/m	1.58 dB	-
		Spurious	802.11a	17238 MHz	68.2 dBuV/m	56.84 dBuV/m	57.56 dBuV/m	0.72 dB	-
6CD WLAN ax (6GHz)	5	Band-edge	802.11ax HE160 SU	6025 MHz	68.0 dBuV/m	55.39 dBuV/m	51.98 dBuV/m	-3.41 dB	Criteria value: 3.63 dB, Passed
		Spurious	802.11ax HE20 52T 37RU	8028 MHz	54.0 dBuV/m	43.96 dBuV/m	42.14 dBuV/m	-1.82 dB	-
	6	Spurious	802.11ax HE20 52T 37RU	16188 MHz	54.0 dBuV/m	42.11 dBuV/m	42.21 dBuV/m	0.10 dB	-
		Spurious	802.11ax HE20 52T 37RU	8226 MHz	54.0 dBuV/m	46.18 dBuV/m	43.22 dBuV/m	-2.96 dB	-
	8	Band-edge	802.11ax HE20 SU	7115 MHz	68.0 dBuV/m	65.96 dBuV/m	64.94 dBuV/m	-1.02 dB	-
		Spurious	802.11ax HE20 52T 37RU	9250 MHz	54.0 dBuV/m	37.23 dBuV/m	37.28 dBuV/m	0.05 dB	-

Comparison of two models, deviation is within FCC Technical Limits.

### 1.5. 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	A3LSMF956U	Original Grant	4791196575-E8 (BLE)	Test Report	4791196626-E6 (BLE)	All
DSS	A3LSMF956U	Original Grant	4791196575-E9 (Bluetooth)	Test Report	4791196626-E7 (Bluetooth)	All
NII	A3LSMF956U	Original Grant	4791196575-E10 (802.11a/n/ac/ax)	Test Report	4791196626-E8 (802.11a/n/ac/ax)	All
6CD	A3LSMF956U	Original Grant	4791196575-E11 (802.11a/ax)	Test Report	4791196626-E9 (802.11a/ax)	All

## 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. KDB 484596 D01 Referencing Test Data v02r03
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	
<input checked="" type="checkbox"/>	Chamber 1(3m semi-anechoic chamber)
<input checked="" type="checkbox"/>	Chamber 2(3m semi-anechoic chamber)
<input checked="" type="checkbox"/>	Chamber 3(3m semi-anechoic chamber)
<input type="checkbox"/>	Chamber 4(3m Full-anechoic chamber)
<input type="checkbox"/>	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
		SM-F956U1
SM-F956U	Hardware	Same
	Software	The UI has changed according to Service Provider

The model SM-F956U was used for final testing and is representative of the test results in this report.

#### WiFi operating mode

Frequency range	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

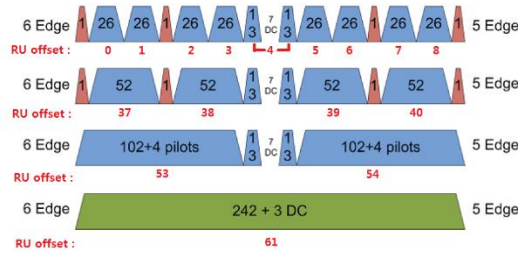
Simultaneous Tx Condition - RSDB

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

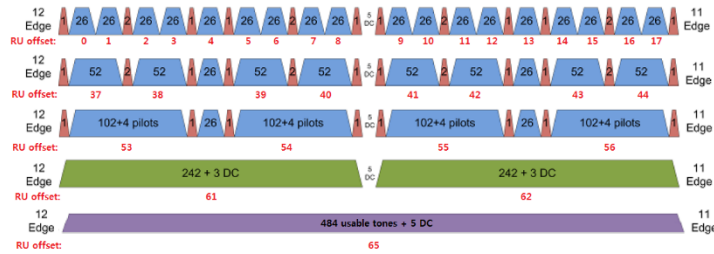
Note. Simultaneous transmission with the Bluetooth and Wi-Fi were investigated, and no noticeable emission was found.

**802.11ax RU allocations**

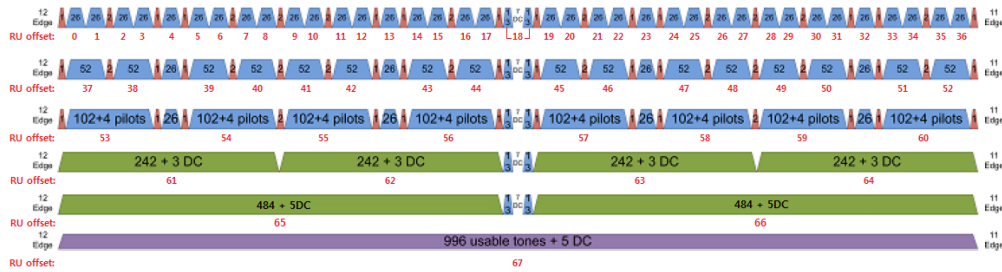
**- HE 20 Mode -  
20 MHz**



**- 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
		54
242T / SU <sup>Note</sup>	61 / -	
HE40	26T	0
		9
		17
	52T	37
		41
		44
	106T	53
		54
		56
	242T	61
62		
484T / SU <sup>Note</sup>	63 / -	
HE80	26T	0
		18
		36
	52T	37
		45
		52
	106T	53
		57
		60
	242T	61
		62
		64
	484T	65
66		
996T / SU <sup>Note</sup>	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
<b>HE160</b>	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		65	
		66	
		66	
Lower 80 MHz	996T	67	
		67	
-	SU <sup>Note</sup>	-	

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	19.55	90.16	16.24	42.07
		802.11ax(HE20) MIMO	19.62	91.62	16.31	42.76
		802.11ax(HE40) MIMO	19.63	91.83	16.32	42.85
		802.11ax(HE80) MIMO	19.26	84.33	15.95	39.36
		802.11ax(HE160) MIMO	19.74	94.19	16.43	43.95
UNII-6	6435 – 6515	802.11a MIMO	13.85	24.27	9.59	9.10
		802.11ax(HE20) MIMO	13.21	20.94	8.95	7.85
		802.11ax(HE40) MIMO	15.37	34.43	11.11	12.91
		802.11ax(HE80) MIMO	18.19	65.92	13.93	24.72
		802.11ax(HE160) MIMO	19.42	87.50	15.16	32.81
UNII-7	6535 – 6875	802.11a MIMO	19.31	85.31	14.93	31.12
		802.11ax(HE20) MIMO	19.32	85.51	14.94	31.19
		802.11ax(HE40) MIMO	19.29	84.92	14.91	30.97
		802.11ax(HE80) MIMO	19.48	88.72	15.10	32.36
		802.11ax(HE160) MIMO	19.69	93.11	15.31	33.96
UNII-8	6895 - 7115	802.11a MIMO	13.36	21.68	9.44	8.79
		802.11ax(HE20) MIMO	13.20	20.89	9.28	8.47
		802.11ax(HE40) MIMO	15.41	34.75	11.49	14.09
		802.11ax(HE80) MIMO	18.31	67.76	14.39	27.48
		802.11ax(HE160) MIMO	19.24	83.95	15.32	34.04

## 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	<b>-9.29</b>
	6025	-5.92	-8.19	
	6125	-5.26	-8.98	
	6225	-6.74	-8.70	
	6325	-7.12	<b>-9.29</b>	
	6425	-6.54	-8.07	
6(6425 – 6525)	6425	-6.54	-8.07	<b>-8.52</b>
	6525	-7.21	<b>-8.52</b>	
7(6525 – 6875)	6525	-7.21	-8.52	<b>-9.73</b>
	6625	-7.17	-9.69	
	6725	-6.48	<b>-9.73</b>	
	6825	-6.39	-9.66	
8(6875 – 7125)	6925	-5.77	-8.26	<b>-8.77</b>
	7025	-6.03	-8.73	
	7125	-6.12	<b>-8.77</b>	

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  $N_{ANT} = 2$

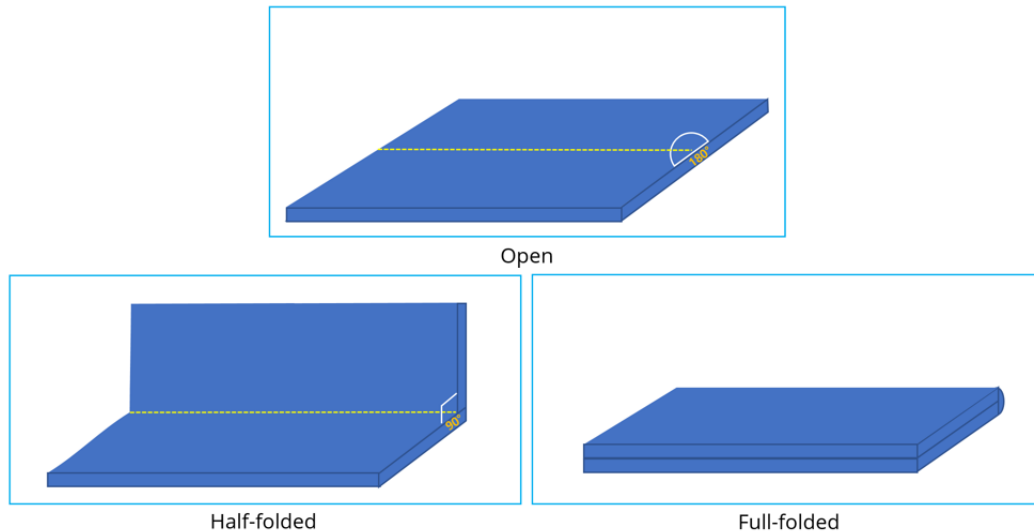
UNII-5 band's Correlated Directional gain =  $10 \log[(10^{-5.26/20} + 10^{-7.53/20})^2 / 2] = -3.31$  dBi

“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	R37N9QP6H39DK3	N/A
Data Cable	SAMSUNG	EP-DN980	GH39-02111A	N/A

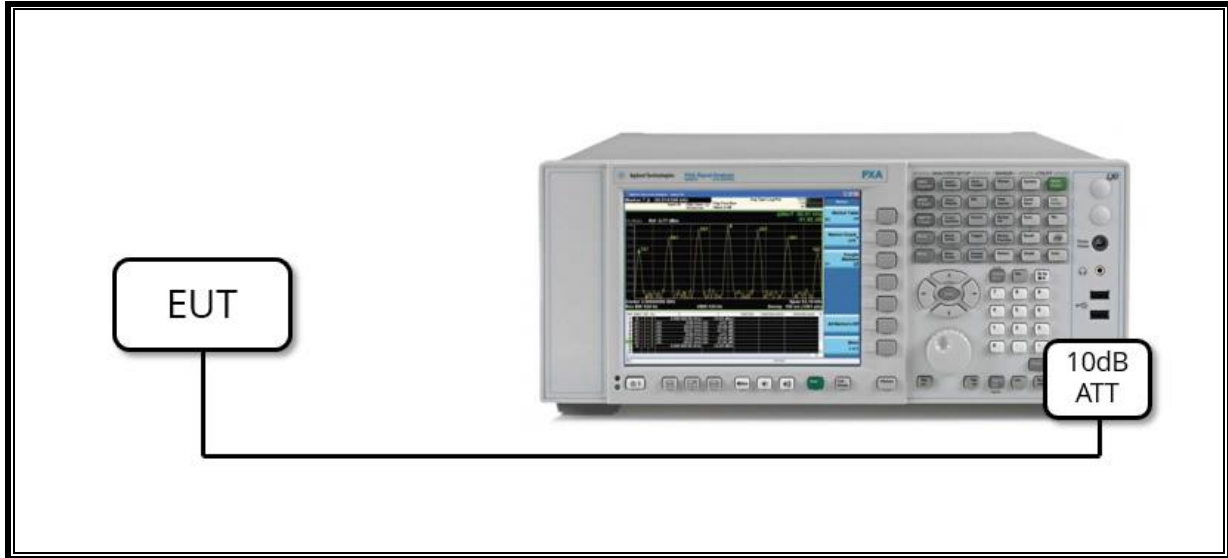
### I/O CABLE

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

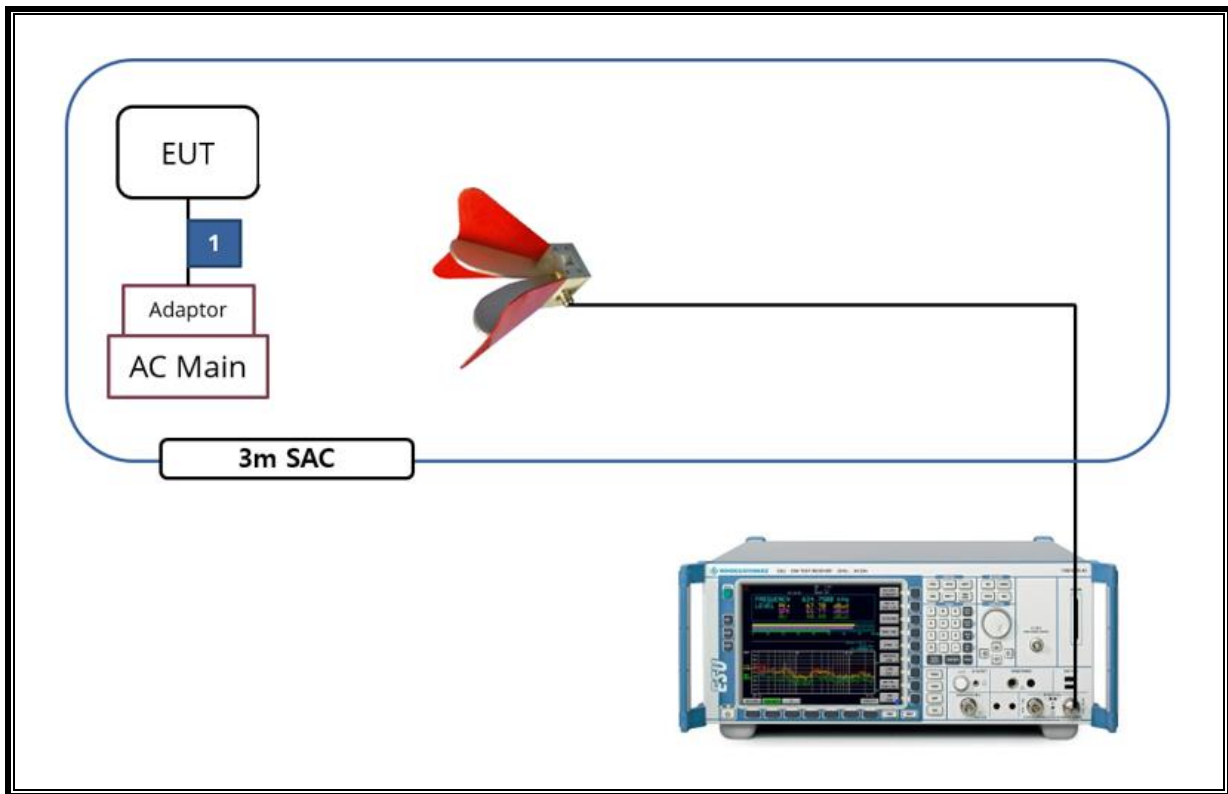
### TEST SETUP

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.

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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.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	2.828	2.927	0.97	96.62	0.15

Mode	ANT.	Tone	On Time [ms]	Period [ms]	Duty Cycle X [Linear]	Duty Cycle X [%]	Duty Cycle Correction Factor[dB]
802.11ax HE20	MIMO	26T	2.596	2.615	0.99	99.27	0.00
		52T	2.592	2.611	0.99	99.27	0.00
		SU	5.452	5.471	1.00	99.65	0.00
802.11ax HE40	MIMO	26T	2.595	2.613	0.99	99.31	0.00
		242T	0.675	0.693	0.97	97.40	0.11
		SU	5.451	5.470	1.00	99.65	0.00
802.11ax HE80	MIMO	26T	2.595	2.614	0.99	99.27	0.00
		242T	0.676	0.694	0.97	97.46	0.11
		SU	5.451	5.470	1.00	99.65	0.00
802.11ax HE160	MIMO	26T	2.596	2.614	0.99	99.31	0.00
		242T	0.676	0.694	0.97	97.38	0.12
		SU	5.451	5.471	1.00	99.63	0.00

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

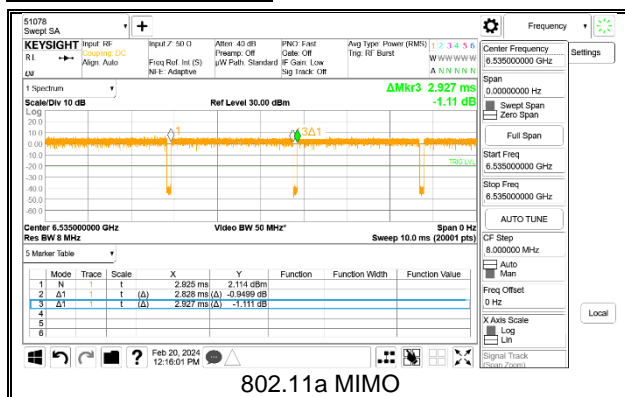
#### LIMITS

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

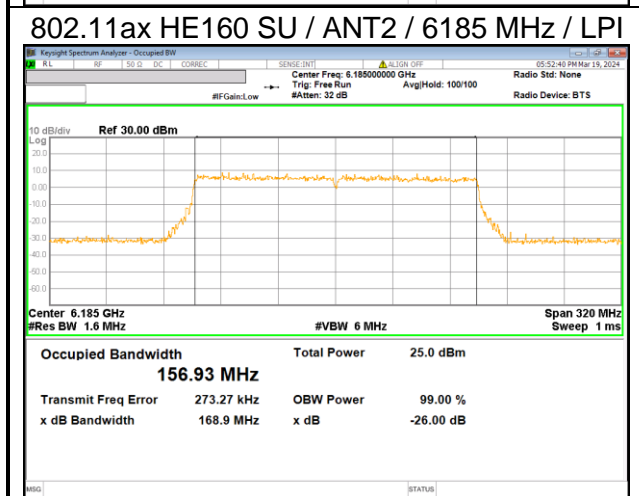
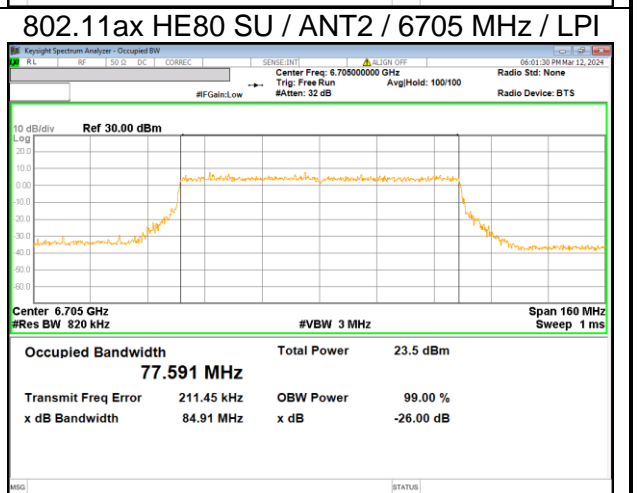
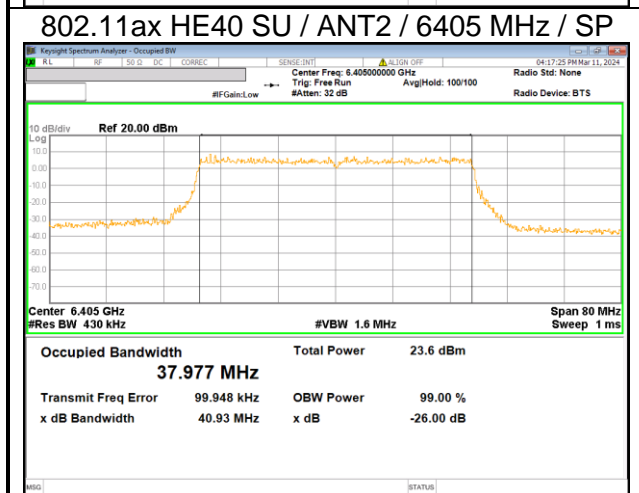
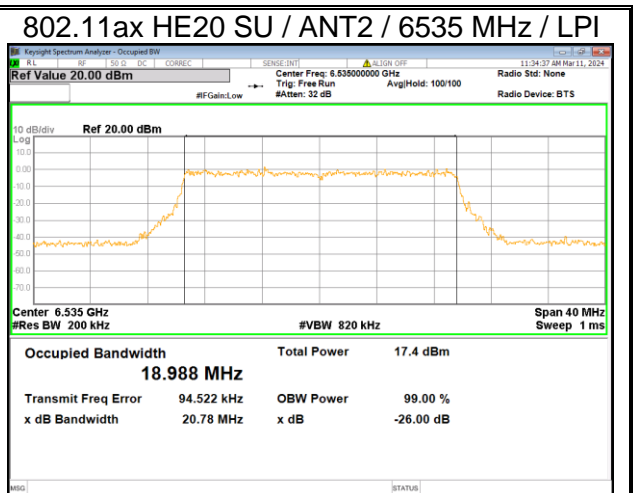
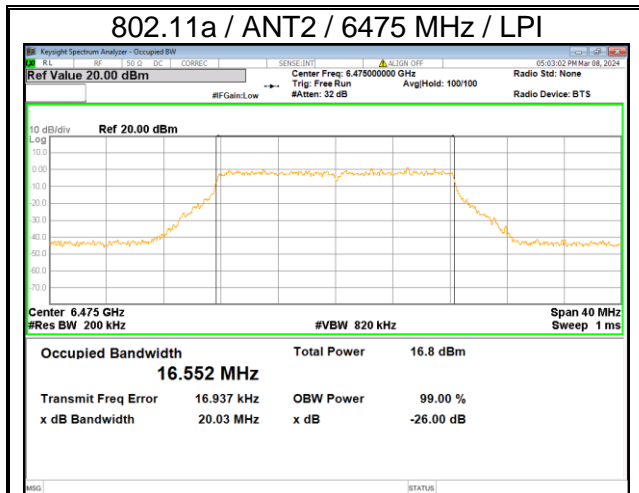
- Please refer to the next page

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	20.81	20.55	20.13	20.87	20.13	16.558	16.547	16.553	16.559
	45	6175	20.80	20.70	20.45	20.74		16.563	16.590	16.549	16.593
	93	6415	20.73	20.43	20.37	20.73		16.592	16.532	16.591	16.514
UNII-6	97	6435			20.93	21.18	20.03			16.584	16.567
	105	6475			20.56	<b>20.03</b>				16.555	16.552
	113	6515			20.67	20.34				16.559	16.549
UNII-7	117	6535	20.62	20.11	20.30	20.45	20.11	16.519	16.552	16.601	16.563
	149	6695	20.66	20.63	20.61	20.55		16.552	16.559	16.537	16.548
	181	6855	20.38	20.99				16.564	16.559		
	185	6875			20.89	20.54				16.583	16.570
UNII-8	189	6895			20.58	20.96	20.25			16.575	16.562
	209	6995			20.86	21.09				16.576	16.567
	233	7115			20.25	20.81				16.571	16.575

**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	20.96	20.83	21.40	20.98	20.83	19.053	17.929	19.003	18.998
	45	6175	21.47	21.29	21.11	21.44		19.025	19.073	19.052	19.029
	93	6415	21.23	20.87	20.96	21.58		19.030	19.051	19.054	19.077
UNII-6	97	6435			21.09	21.21	21.05			19.006	19.034
	105	6475			21.05	21.31				19.006	19.042
	113	6515			21.24	22.08				19.018	19.017
UNII-7	117	6535	20.96	21.16	21.35	<b>20.78</b>	20.78	19.062	19.002	19.031	18.988
	149	6695	21.12	21.16	21.30	21.04		18.986	19.038	19.028	19.077
	181	6855	20.87	21.03				19.047	19.043		
	185	6875			20.91	21.82				19.021	19.016
UNII-8	189	6895			20.85	21.22	20.85			19.012	19.108
	209	6995			21.25	21.02				18.993	19.084
	233	7115			21.15	21.49				19.019	19.047

**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	40.99	41.15	41.59	42.38	40.93	37.943	38.003	37.911	38.008
	43	6165	41.42	41.27	41.45	41.17		37.922	37.938	37.979	37.994
	91	6405	41.90	40.93	41.43	41.63		37.978	37.977	37.968	37.958
UNII-6	99	6445			41.83	41.52	41.36			37.998	38.013
	115	6525			41.36	41.42				37.975	37.935
UNII-7	123	6565	41.76	41.57	42.15	41.91	41.04	37.979	37.916	37.980	37.937
	147	6685	42.04	41.54	42.03	41.34		38.043	37.958	37.927	38.071
	179	6845	41.04	41.23	42.04	41.56		37.872	37.966	37.939	37.911
UNII-8	187	6885			41.83	42.09	41.62			37.972	38.038
	203	6965			41.62	41.81				37.988	38.028
	227	7085			41.90	41.64				38.030	38.046

**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	86.38	87.22	86.69	85.50	85.50	77.587	77.627	77.735	77.764
	39	6145	88.68	87.50	87.17	86.40		77.699	77.683	77.669	77.581
	87	6385	85.97	87.44	87.87	86.84		77.728	77.793	77.755	77.644
UNII-6	103	6465			87.13	85.30	85.30			77.690	77.563
UNII-7	119	6545			86.48	87.03	84.91			77.623	77.677
	135	6625	87.42	86.23				77.687	77.747		
	151	6705	88.71	86.05	85.18	84.91		77.705	77.513	77.557	77.591
	167	6785	85.67	85.53				77.754	77.592		
	183	6865			87.22	85.93				77.594	77.713
UNII-8	199	6945			86.60	85.53	85.53			77.643	77.642
	215	7025			86.42	86.01				77.648	77.605

**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	170.2	170.4	172.1	172.1	168.9	157.03	157.02	156.93	157.05
	47	6185	173.3	173.0	169.5	168.9		157.08	157.10	157.02	156.93
	79	6345	173.6	169.2	171.2	172.4		156.93	156.93	157.02	157.08
UNII-6	111	6505			170.6	169.8	169.8			157.19	156.90
UNII-7	143	6665	169.9	171.7	169.8	169.9	169.8	157.04	157.10	157.37	157.13
	175	6825			170.6	172.0				157.23	156.78
UNII-8	207	6985			171.4	169.4	169.4			156.88	157.37

## 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	15.85	15.80	18.84	-3.31	15.53	30.00
	45	6175	16.23	16.26	19.26	-3.31	15.95	
	93	6415	16.42	16.66	19.55	-3.31	<b>16.24</b>	
UNII-7	117	6535	16.22	16.37	19.31	-4.38	<b>14.93</b>	
	149	6695	15.90	16.27	19.10	-4.38	14.72	
	181	6855	15.76	16.16	18.97	-4.38	14.59	

- 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	10.16	10.04	13.11	-3.31	9.80	24.00
	45	6175	10.12	10.35	13.25	-3.31	9.94	
	93	6415	10.52	10.68	13.61	-3.31	<b>10.30</b>	
UNII-6	97	6435	10.78	10.89	13.85	-4.26	<b>9.59</b>	
	105	6475	10.33	10.81	13.59	-4.26	9.33	
	113	6515	10.25	10.45	13.36	-4.26	9.10	
UNII-7	117	6535	10.28	10.38	13.34	-4.38	<b>8.96</b>	
	149	6695	10.15	10.43	13.30	-4.38	8.92	
	185	6875	10.33	10.25	13.30	-4.38	8.92	
UNII-8	189	6895	10.41	10.28	13.36	-3.92	<b>9.44</b>	
	209	6995	10.18	10.29	13.25	-3.92	9.33	
	233	7115	10.26	10.18	13.23	-3.92	9.31	

\* 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**

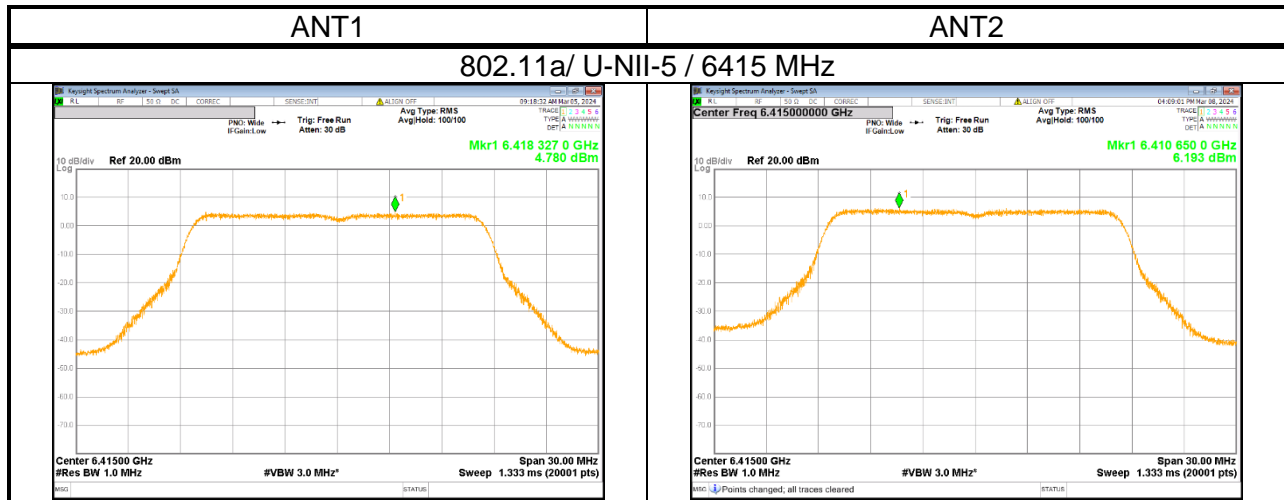
Band	Channel	Freq. [MHz]	Meas PSD [dBm/MHz]			DCCF	Direct. Gain [dBi]	Corr'd PSD e.i.r.p [dBm]	PSD e.i.r.p Limit [dBm/MHz]
			ANT1	ANT2	MIMO				
UNII-5	1	5955	4.003	5.502	7.827	0.15	-3.31	4.667	17.00
	45	6175	4.529	5.460	8.030	0.15	-3.31	4.870	
	93	6415	4.780	6.193	8.554	0.15	-3.31	<b>5.394</b>	
UNII-7	117	6535	4.913	6.063	8.536	0.15	-4.38	4.306	
	149	6695	4.064	5.867	8.069	0.15	-4.38	3.839	
	181	6855	3.961	6.171	8.215	0.15	-4.38	3.985	

**- LPI**

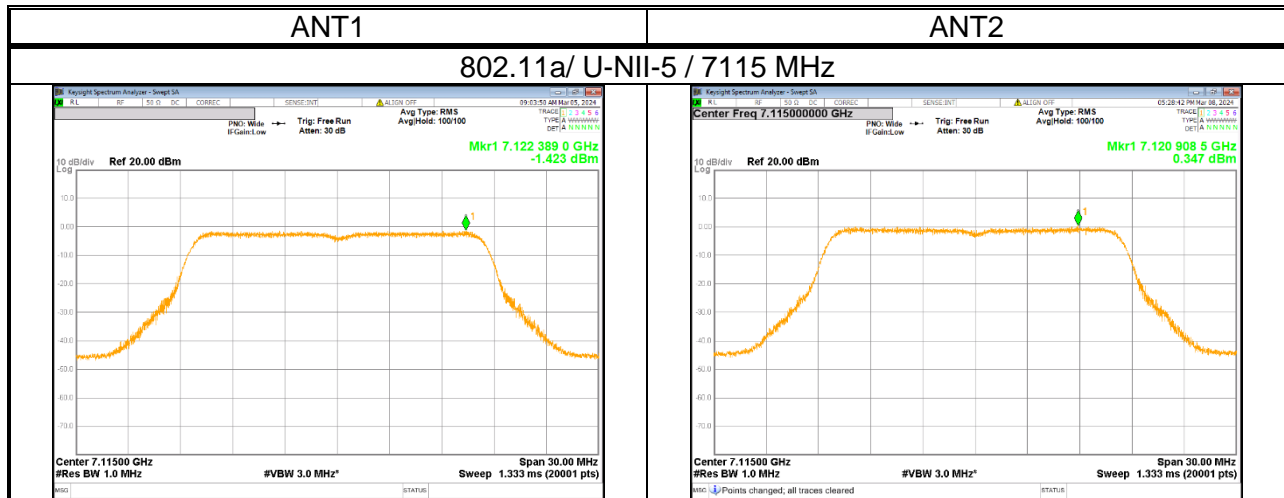
Band	Channel	Freq. [MHz]	Meas PSD [dBm/MHz]			DCCF	Direct. Gain [dBi]	Corr'd PSD e.i.r.p [dBm]	PSD e.i.r.p Limit [dBm/MHz]
			ANT1	ANT2	MIMO				
UNII-5	1	5955	-1.506	-0.741	1.904	0.15	-3.31	-1.256	-1.00
	45	6175	-1.849	-1.508	1.335	0.15	-3.31	-1.825	
	93	6415	-1.056	-1.160	1.903	0.15	-3.31	-1.257	
UNII-6	97	6435	-1.091	0.170	2.595	0.15	-4.26	-1.515	
	105	6475	-1.196	0.339	2.649	0.15	-4.26	-1.461	
	113	6515	-1.520	0.029	2.333	0.15	-4.26	-1.777	
UNII-7	117	6535	-1.392	-0.156	2.280	0.15	-4.38	-1.950	
	149	6695	-1.599	0.378	2.511	0.15	-4.38	-1.719	
	185	6875	-1.494	0.118	2.397	0.15	-4.38	-1.833	
UNII-8	189	6895	-1.377	0.153	2.465	0.15	-3.92	-1.305	
	209	6995	-1.742	0.281	2.397	0.15	-3.92	-1.373	
	233	7115	-1.423	0.347	2.562	0.15	-3.92	<b>-1.208</b>	

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	11.06	11.64	14.37	-3.31	11.06	30.00
				4	10.70	11.24	13.99	-3.31	10.68	
				8	11.15	11.62	14.40	-3.31	11.09	
			52T	37	14.18	14.44	17.32	-3.31	14.01	
				38	13.98	14.20	17.10	-3.31	13.79	
				40	14.22	14.38	17.31	-3.31	14.00	
			106T	53	14.06	14.28	17.18	-3.31	13.87	
				54	14.08	14.24	17.17	-3.31	13.86	
			SU	-	15.67	15.89	18.79	-3.31	15.48	
	45	6175	26T	0	11.02	11.58	14.32	-3.31	11.01	
				4	10.58	11.12	13.87	-3.31	10.56	
				8	11.06	11.47	14.28	-3.31	10.97	
			52T	37	14.15	14.53	17.35	-3.31	14.04	
				38	13.95	14.28	17.13	-3.31	13.82	
				40	14.13	14.43	17.29	-3.31	13.98	
			106T	53	14.02	14.36	17.20	-3.31	13.89	
				54	14.04	14.31	17.19	-3.31	13.88	
			SU	-	16.10	16.35	19.24	-3.31	15.93	
	93	6415	26T	0	11.11	11.46	14.30	-3.31	10.99	
				4	10.70	10.94	13.83	-3.31	10.52	
				8	11.10	11.29	14.21	-3.31	10.90	
			52T	37	14.03	14.41	17.23	-3.31	13.92	
				38	13.86	14.12	17.00	-3.31	13.69	
				40	14.05	14.24	17.16	-3.31	13.85	
			106T	53	13.95	14.23	17.10	-3.31	13.79	
				54	13.92	14.14	17.04	-3.31	13.73	
			SU	-	16.40	16.81	19.62	-3.31	16.31	

\* 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	-0.62	-0.87	2.27	-3.31	-1.04	24.00
				4	-1.01	-1.27	1.87	-3.31	-1.44	
				8	-0.50	-0.92	2.31	-3.31	-1.00	
			52T	37	2.10	1.95	5.04	-3.31	1.73	
				38	1.90	1.76	4.84	-3.31	1.53	
				40	2.11	1.91	5.02	-3.31	1.71	
			106T	53	5.23	4.44	7.86	-3.31	4.55	
				54	5.21	4.42	7.84	-3.31	4.53	
			SU	-	9.78	10.18	12.99	-3.31	9.68	
	45	6175	26T	0	-0.37	-1.33	2.19	-3.31	-1.12	
				4	-0.77	-1.75	1.78	-3.31	-1.53	
				8	-0.34	-1.37	2.19	-3.31	-1.12	
			52T	37	2.04	2.29	5.18	-3.31	1.87	
				38	1.79	2.07	4.94	-3.31	1.63	
				40	2.05	2.26	5.17	-3.31	1.86	
			106T	53	5.19	5.06	8.14	-3.31	4.83	
				54	5.25	5.05	8.16	-3.31	4.85	
			SU	-	10.18	10.75	13.48	-3.31	10.17	
	93	6415	26T	0	-0.33	-1.32	2.21	-3.31	-1.10	
				4	-0.76	-1.71	1.80	-3.31	-1.51	
				8	-0.29	-1.29	2.25	-3.31	-1.06	
			52T	37	1.97	2.53	5.27	-3.31	1.96	
				38	1.81	2.27	5.06	-3.31	1.75	
				40	2.02	2.40	5.22	-3.31	1.91	
106T			53	5.05	5.63	8.36	-3.31	5.05		
			54	5.06	5.53	8.31	-3.31	5.00		
SU			-	9.78	10.13	12.97	-3.31	9.66		

\* 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	-0.30	-1.19	2.29	-4.26	-1.97	24.00
				4	-0.79	-1.60	1.83	-4.26	-2.43	
				8	-0.37	-1.13	2.28	-4.26	-1.98	
			52T	37	2.59	2.77	5.69	-4.26	1.43	
				38	2.34	2.49	5.43	-4.26	1.17	
				40	2.60	2.65	5.64	-4.26	1.38	
			106T	53	5.24	5.83	8.56	-4.26	4.30	
				54	5.16	5.73	8.46	-4.26	4.20	
			SU	-	9.90	10.33	13.13	-4.26	8.87	
	105	6475	26T	0	-0.52	-0.98	2.27	-4.26	-1.99	
				4	-0.95	-1.35	1.86	-4.26	-2.40	
				8	-0.53	-0.96	2.27	-4.26	-1.99	
			52T	37	1.70	2.76	5.27	-4.26	1.01	
				38	1.42	2.49	5.00	-4.26	0.74	
				40	1.71	2.65	5.22	-4.26	0.96	
			106T	53	4.83	5.84	8.37	-4.26	4.11	
				54	4.80	5.74	8.31	-4.26	4.05	
			SU	-	9.25	10.36	12.85	-4.26	8.59	
	113	6515	26T	0	-0.45	-0.87	2.36	-4.26	-1.90	
				4	-0.84	-1.29	1.95	-4.26	-2.31	
				8	-0.35	-0.92	2.38	-4.26	-1.88	
			52T	37	1.72	2.48	5.13	-4.26	0.87	
				38	1.50	2.23	4.89	-4.26	0.63	
				40	1.68	2.38	5.05	-4.26	0.79	
			106T	53	4.85	5.58	8.24	-4.26	3.98	
				54	4.84	5.51	8.20	-4.26	3.94	
			SU	-	9.84	10.54	13.21	-4.26	<b>8.95</b>	

\* 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	10.56	11.29	13.95	-4.38	9.57	30.00
				4	10.80	11.33	14.08	-4.38	9.70	
				8	11.24	11.67	14.47	-4.38	10.09	
			52T	37	14.14	14.72	17.45	-4.38	13.07	
				38	14.02	14.56	17.31	-4.38	12.93	
				40	14.14	14.60	17.39	-4.38	13.01	
			106T	53	14.01	14.54	17.29	-4.38	12.91	
				54	13.98	14.52	17.27	-4.38	12.89	
			SU	-	16.01	16.59	19.32	-4.38	14.94	
	149	6695	26T	0	11.28	11.76	14.54	-4.38	10.16	
				4	10.80	11.31	14.07	-4.38	9.69	
				8	11.18	11.66	14.44	-4.38	10.06	
			52T	37	14.05	14.52	17.30	-4.38	12.92	
				38	13.80	14.26	17.05	-4.38	12.67	
				40	13.96	14.41	17.20	-4.38	12.82	
			106T	53	13.86	14.36	17.13	-4.38	12.75	
				54	13.84	14.30	17.09	-4.38	12.71	
			SU	-	15.90	16.41	19.17	-4.38	14.79	
	181	6855	26T	0	11.07	11.41	14.25	-4.38	9.87	
				4	10.70	10.96	13.84	-4.38	9.46	
				8	11.05	11.31	14.19	-4.38	9.81	
			52T	37	14.22	14.34	17.29	-4.38	12.91	
				38	13.98	14.09	17.05	-4.38	12.67	
				40	14.15	14.27	17.22	-4.38	12.84	
			106T	53	14.02	14.20	17.12	-4.38	12.74	
				54	13.95	14.12	17.05	-4.38	12.67	
			SU	-	15.80	16.23	19.03	-4.38	14.65	

\* 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

- 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	-0.46	-0.19	2.69	-4.38	-1.69	24.00
				4	-0.80	-0.61	2.31	-4.38	-2.07	
				8	-0.26	-0.23	2.77	-4.38	-1.61	
			52T	37	1.76	2.43	5.12	-4.38	0.74	
				38	1.53	2.17	4.87	-4.38	0.49	
				40	1.73	2.32	5.05	-4.38	0.67	
			106T	53	4.90	5.52	8.23	-4.38	3.85	
				54	4.88	5.43	8.17	-4.38	3.79	
			SU	-	9.87	10.47	13.19	-4.38	8.81	
	149	6695	26T	0	-0.31	-1.31	2.23	-4.38	-2.15	
				4	-0.79	-1.75	1.77	-4.38	-2.61	
				8	-0.43	-1.39	2.13	-4.38	-2.25	
			52T	37	1.60	2.40	5.03	-4.38	0.65	
				38	1.30	2.15	4.76	-4.38	0.38	
				40	1.49	2.34	4.95	-4.38	0.57	
			106T	53	4.73	5.32	8.05	-4.38	3.67	
				54	4.62	5.31	7.99	-4.38	3.61	
			SU	-	9.90	10.43	13.18	-4.38	8.80	
	185	6875	26T	0	-0.23	-1.47	2.20	-4.38	-2.18	
				4	-0.68	-1.84	1.79	-4.38	-2.59	
				8	-0.30	-1.45	2.17	-4.38	-2.21	
			52T	37	2.56	2.15	5.37	-4.38	0.99	
				38	2.32	1.90	5.13	-4.38	0.75	
				40	2.48	2.09	5.30	-4.38	0.92	
			106T	53	5.21	5.13	8.18	-4.38	3.80	
				54	5.14	5.10	8.13	-4.38	3.75	
			SU	-	10.16	10.17	13.18	-4.38	8.80	

\* 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-8	189	6895	26T	0	-0.28	-1.50	2.16	-3.92	-1.76	24.00
				4	-0.75	-1.88	1.73	-3.92	-2.19	
				8	-0.32	-1.50	2.14	-3.92	-1.78	
			52T	37	2.59	2.15	5.39	-3.92	1.47	
				38	2.36	1.92	5.16	-3.92	1.24	
				40	2.58	2.14	5.38	-3.92	1.46	
			106T	53	5.21	5.16	8.20	-3.92	4.28	
				54	5.20	5.15	8.19	-3.92	4.27	
			SU	-	10.16	10.21	13.20	-3.92	9.28	
	209	6995	26T	0	-0.22	-1.73	2.10	-3.92	-1.82	
				4	-0.72	-1.96	1.71	-3.92	-2.21	
				8	-0.30	-1.65	2.09	-3.92	-1.83	
			52T	37	1.88	2.28	5.09	-3.92	1.17	
				38	1.60	2.03	4.83	-3.92	0.91	
				40	1.84	2.22	5.04	-3.92	1.12	
			106T	53	4.55	5.27	7.94	-3.92	4.02	
				54	4.60	5.26	7.95	-3.92	4.03	
			SU	-	9.92	10.25	13.10	-3.92	9.18	
	233	7115	26T	0	-0.08	-1.50	2.28	-3.92	-1.64	
				4	-0.50	-1.93	1.85	-3.92	-2.07	
				8	-0.15	-1.61	2.19	-3.92	-1.73	
			52T	37	2.08	2.11	5.11	-3.92	1.19	
				38	1.94	1.86	4.91	-3.92	0.99	
				40	2.14	2.05	5.11	-3.92	1.19	
			106T	53	4.80	5.12	7.97	-3.92	4.05	
				54	4.84	5.10	7.98	-3.92	4.06	
			SU	-	10.17	10.15	13.17	-3.92	9.25	

\* 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	9.614	9.625	12.630	-	-3.31	9.320	17.00
				38	9.429	9.777	12.617	-	-3.31	9.307	
				40	9.432	9.533	12.493	-	-3.31	9.183	
			SU	-	4.599	4.814	7.718	-	-3.31	4.408	
	45	6175	52T	37	9.057	10.102	12.621	-	-3.31	9.311	
				38	8.690	9.946	12.374	-	-3.31	9.064	
				40	9.069	10.352	12.768	-	-3.31	9.458	
			SU	-	4.670	5.280	7.996	-	-3.31	4.686	
	93	6415	52T	37	8.702	11.007	13.016	-	-3.31	<b>9.706</b>	
				38	8.676	10.231	12.533	-	-3.31	9.223	
				40	8.795	10.329	12.640	-	-3.31	9.330	
			SU	-	4.646	5.574	8.145	-	-3.31	4.835	
UNII-7	117	6535	52T	37	9.381	10.602	13.045	-	-4.38	8.665	
				38	8.923	10.780	12.960	-	-4.38	8.580	
				40	9.410	10.304	12.890	-	-4.38	8.510	
			SU	-	4.458	5.772	8.175	-	-4.38	3.795	
	149	6695	52T	37	8.763	10.092	12.488	-	-4.38	8.108	
				38	8.646	9.902	12.330	-	-4.38	7.950	
				40	8.777	10.268	12.596	-	-4.38	8.216	
			SU	-	4.193	4.935	7.590	-	-4.38	3.210	
	181	6855	52T	37	8.917	10.549	12.820	-	-4.38	8.440	
				38	8.655	10.163	12.484	-	-4.38	8.104	
				40	9.480	10.525	13.044	-	-4.38	8.664	
			SU	-	3.994	5.732	7.960	-	-4.38	3.580	

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

- LPI

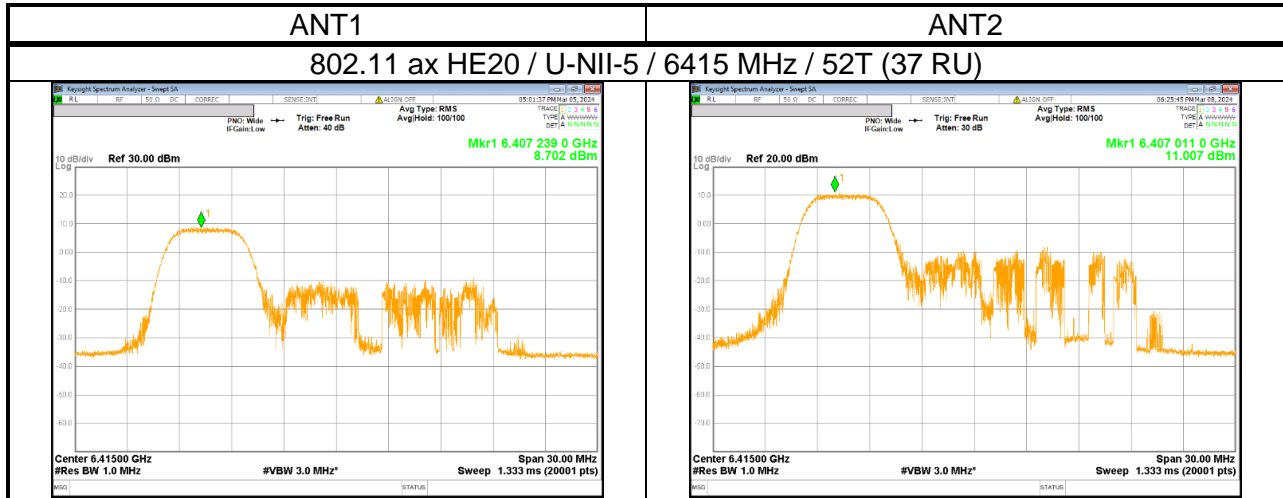
Band	Channel	Freq. [MHz]	Tones	RU offset	Meas PSD [dBm/MHz]			DCCF	Direct. Gain [dBi]	Corr'd PSD e.i.r.p [dBm]	PSD e.i.r.p Limit [dBm/MHz]
					ANT1	ANT2	MIMO				
UNII-5	1	5955	52T	37	-3.131	-2.060	0.448	-	-3.31	-2.862	-1.00
				38	-3.417	-2.679	-0.022	-	-3.31	-3.332	
				40	-3.102	-2.507	0.216	-	-3.31	-3.094	
			SU	-	-2.099	-0.440	1.820	-	-3.31	-1.490	
	45	6175	52T	37	-3.329	-2.425	0.157	-	-3.31	-3.153	
				38	-3.324	-2.482	0.128	-	-3.31	-3.182	
				40	-3.118	-2.389	0.272	-	-3.31	-3.038	
			SU	-	-1.266	-0.920	1.921	-	-3.31	-1.389	
	93	6415	52T	37	-3.115	-2.252	0.348	-	-3.31	-2.962	
				38	-3.448	-2.514	0.054	-	-3.31	-3.256	
				40	-3.206	-2.459	0.194	-	-3.31	-3.116	
			SU	-	-1.558	-0.522	2.001	-	-3.31	<b>-1.309</b>	
UNII-6	97	6435	52T	37	-2.449	-1.857	0.867	-	-4.26	-3.393	
				38	-2.844	-2.501	0.341	-	-4.26	-3.919	
				40	-2.756	-2.360	0.457	-	-4.26	-3.803	
			SU	-	-1.597	-0.769	1.847	-	-4.26	-2.413	
	105	6475	52T	37	-3.363	-2.024	0.368	-	-4.26	-3.892	
				38	-3.665	-2.263	0.103	-	-4.26	-4.157	
				40	-3.488	-2.211	0.208	-	-4.26	-4.052	
			SU	-	-2.061	-0.550	1.770	-	-4.26	-2.490	
	113	6515	52T	37	-3.377	-2.433	0.131	-	-4.26	-4.129	
				38	-3.196	-2.452	0.202	-	-4.26	-4.058	
				40	-3.249	-2.232	0.300	-	-4.26	-3.960	
			SU	-	-1.464	-0.399	2.111	-	-4.26	-2.149	
UNII-7	117	6535	52T	37	-3.494	-2.349	0.126	-	-4.38	-4.254	
				38	-3.410	-2.373	0.150	-	-4.38	-4.230	
				40	-3.329	-2.398	0.172	-	-4.38	-4.208	
			SU	-	-1.359	-0.231	2.252	-	-4.38	-2.128	
	149	6695	52T	37	-3.793	-2.053	0.174	-	-4.38	-4.206	
				38	-3.687	-2.435	-0.006	-	-4.38	-4.386	
				40	-3.843	-1.994	0.189	-	-4.38	-4.191	
			SU	-	-1.615	-0.817	1.813	-	-4.38	-2.567	
	185	6875	52T	37	-2.972	-2.040	0.529	-	-4.38	-3.851	
				38	-3.299	-2.326	0.225	-	-4.38	-4.155	
				40	-2.983	-2.361	0.349	-	-4.38	-4.031	
			SU	-	-1.217	-0.216	2.323	-	-4.38	-2.057	
UNII-8	189	6895	52T	37	-2.977	-1.895	0.608	-	-3.92	-3.312	
				38	-3.282	-2.017	0.407	-	-3.92	-3.513	
				40	-3.031	-2.375	0.320	-	-3.92	-3.600	
			SU	-	-1.495	-0.334	2.134	-	-3.92	-1.786	
	209	6995	52T	37	-3.675	-1.864	0.335	-	-3.92	-3.585	
				38	-3.612	-2.100	0.220	-	-3.92	-3.700	
				40	-3.805	-2.142	0.116	-	-3.92	-3.804	
			SU	-	-1.818	-0.885	1.684	-	-3.92	-2.236	
	233	7115	52T	37	-2.986	-2.001	0.545	-	-3.92	-3.375	
				38	-3.580	-2.385	0.069	-	-3.92	-3.851	
				40	-3.431	-2.339	0.160	-	-3.92	-3.760	
			SU	-	-1.478	-0.816	1.876	-	-3.92	-2.044	

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

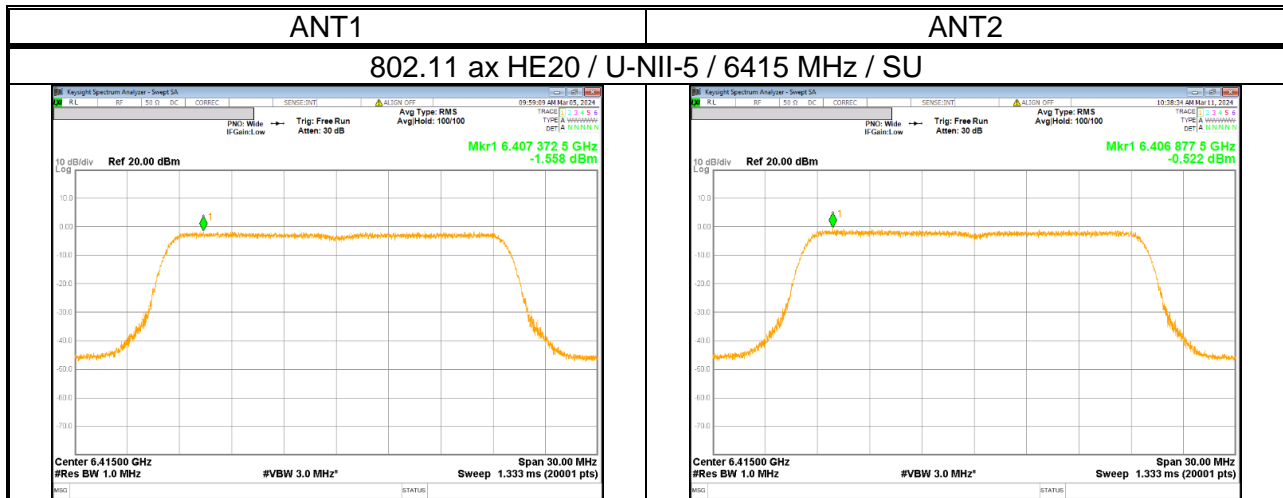


**PPSD PLOTS (WORST CASE)**

- 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	11.16	11.65	14.42	-3.31	11.11	30.00
				9	10.98	11.46	14.24	-3.31	10.93	
				17	11.16	11.57	14.38	-3.31	11.07	
			52T	37	14.25	14.44	17.36	-3.31	14.05	
				41	14.05	14.24	17.16	-3.31	13.85	
				44	14.28	14.39	17.35	-3.31	14.04	
			106T	53	14.19	14.40	17.31	-3.31	14.00	
				54	14.06	14.17	17.13	-3.31	13.82	
				56	14.23	14.37	17.31	-3.31	14.00	
			242T	61	15.61	15.69	18.66	-3.31	15.35	
				62	15.63	15.71	18.68	-3.31	15.37	
			SU	-	16.04	16.20	19.13	-3.31	15.82	
	43	6165	26T	0	11.05	11.58	14.33	-3.31	11.02	
				9	10.90	11.36	14.15	-3.31	10.84	
				17	11.08	11.45	14.28	-3.31	10.97	
			52T	37	14.18	14.55	17.38	-3.31	14.07	
				41	14.02	14.37	17.21	-3.31	13.90	
				44	14.18	14.49	17.35	-3.31	14.04	
			106T	53	14.09	14.50	17.31	-3.31	14.00	
				54	14.01	14.31	17.17	-3.31	13.86	
				56	14.22	14.45	17.35	-3.31	14.04	
			242T	61	15.82	16.28	19.07	-3.31	15.76	
				62	15.84	16.22	19.04	-3.31	15.73	
			SU	-	16.50	16.74	19.63	-3.31	16.32	
	91	6405	26T	0	11.42	11.74	14.59	-3.31	11.28	
				9	11.30	11.50	14.41	-3.31	11.10	
				17	11.48	11.51	14.51	-3.31	11.20	
			52T	37	14.29	14.77	17.55	-3.31	14.24	
				41	14.11	14.55	17.35	-3.31	14.04	
				44	14.31	14.63	17.48	-3.31	14.17	
106T			53	14.25	14.68	17.48	-3.31	14.17		
			54	14.08	14.43	17.27	-3.31	13.96		
			56	14.30	14.59	17.46	-3.31	14.15		
242T			61	15.79	16.43	19.13	-3.31	15.82		
			62	15.88	16.42	19.17	-3.31	15.86		
SU			-	15.88	16.44	19.18	-3.31	15.87		

\* 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	-1.15	-1.05	1.91	-3.31	-1.40	24.00
				9	-1.22	-1.29	1.76	-3.31	-1.55	
				17	-0.91	-1.19	1.96	-3.31	-1.35	
			52T	37	2.46	2.65	5.57	-3.31	2.26	
				41	2.25	2.46	5.37	-3.31	2.06	
				44	2.39	2.60	5.51	-3.31	2.20	
			106T	53	5.74	5.84	8.80	-3.31	5.49	
				54	5.56	5.66	8.62	-3.31	5.31	
				56	5.70	5.82	8.77	-3.31	5.46	
			242T	61	10.12	10.30	13.22	-3.31	9.91	
				62	10.10	10.33	13.23	-3.31	9.92	
			SU	-	11.90	12.18	15.05	-3.31	11.74	
	43	6165	26T	0	-0.56	-0.97	2.25	-3.31	-1.06	
				9	-0.76	-1.17	2.05	-3.31	-1.26	
				17	-0.60	-1.07	2.18	-3.31	-1.13	
			52T	37	1.95	2.50	5.24	-3.31	1.93	
				41	1.80	2.31	5.07	-3.31	1.76	
				44	1.98	2.46	5.24	-3.31	1.93	
			106T	53	5.23	5.40	8.33	-3.31	5.02	
				54	5.08	5.22	8.16	-3.31	4.85	
				56	5.25	5.37	8.32	-3.31	5.01	
			242T	61	10.05	10.67	13.38	-3.31	10.07	
				62	10.11	10.63	13.39	-3.31	10.08	
			SU	-	12.23	12.74	15.50	-3.31	12.19	
	91	6405	26T	0	-0.38	-1.26	2.21	-3.31	-1.10	
				9	-0.50	-1.40	2.08	-3.31	-1.23	
				17	-0.31	-1.21	2.27	-3.31	-1.04	
			52T	37	2.17	2.81	5.51	-3.31	2.20	
				41	2.07	2.62	5.36	-3.31	2.05	
				44	2.22	2.66	5.46	-3.31	2.15	
106T			53	4.85	5.48	8.19	-3.31	4.88		
			54	4.75	5.25	8.02	-3.31	4.71		
			56	4.92	5.38	8.17	-3.31	4.86		
242T			61	10.24	10.77	13.52	-3.31	10.21		
			62	10.28	10.79	13.55	-3.31	10.24		
SU			-	12.42	12.71	15.58	-3.31	12.27		

\* 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	-0.23	-0.99	2.42	-4.26	-1.84	24.00
				9	-0.46	-1.11	2.24	-4.26	-2.02	
				17	-0.28	-0.90	2.43	-4.26	-1.83	
			52T	37	2.30	2.73	5.53	-4.26	1.27	
				41	2.05	2.55	5.32	-4.26	1.06	
				44	2.28	2.62	5.46	-4.26	1.20	
			106T	53	5.28	5.92	8.62	-4.26	4.36	
				54	5.10	5.69	8.42	-4.26	4.16	
				56	5.22	5.84	8.55	-4.26	4.29	
			242T	61	10.04	10.72	13.40	-4.26	9.14	
				62	10.08	10.67	13.40	-4.26	9.14	
			SU	-	12.12	12.59	15.37	-4.26	11.11	
	115	6525	26T	0	-0.20	-0.90	2.47	-4.26	-1.79	
				9	-0.45	-0.94	2.32	-4.26	-1.94	
				17	-0.12	-0.81	2.56	-4.26	-1.70	
			52T	37	1.67	2.48	5.10	-4.26	0.84	
				41	1.55	2.25	4.92	-4.26	0.66	
				44	1.65	2.35	5.02	-4.26	0.76	
			106T	53	4.90	5.64	8.30	-4.26	4.04	
				54	4.75	5.42	8.11	-4.26	3.85	
				56	4.90	5.56	8.25	-4.26	3.99	
			242T	61	9.50	10.39	12.98	-4.26	8.72	
				62	9.55	10.31	12.96	-4.26	8.70	
			SU	-	11.85	12.43	15.16	-4.26	10.90	

\* 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	11.13	11.78	14.48	-4.38	10.10	30.00
				9	10.98	11.59	14.31	-4.38	9.93	
				17	11.20	11.58	14.40	-4.38	10.02	
			52T	37	13.82	14.77	17.33	-4.38	12.95	
				41	13.75	14.55	17.18	-4.38	12.80	
				44	13.92	14.62	17.29	-4.38	12.91	
			106T	53	13.80	14.69	17.28	-4.38	12.90	
				54	13.62	14.43	17.05	-4.38	12.67	
				56	13.84	14.59	17.24	-4.38	12.86	
			242T	61	15.45	16.44	18.98	-4.38	14.60	
				62	15.48	16.43	18.99	-4.38	14.61	
			SU	-	15.56	16.55	19.09	-4.38	14.71	
	147	6685	26T	0	11.21	11.78	14.51	-4.38	10.13	
				9	11.05	11.58	14.33	-4.38	9.95	
				17	11.16	11.68	14.44	-4.38	10.06	
			52T	37	14.02	14.55	17.30	-4.38	12.92	
				41	13.84	14.35	17.11	-4.38	12.73	
				44	13.95	14.50	17.24	-4.38	12.86	
			106T	53	13.92	14.49	17.22	-4.38	12.84	
				54	13.75	14.30	17.04	-4.38	12.66	
				56	13.92	14.47	17.21	-4.38	12.83	
			242T	61	15.50	16.25	18.90	-4.38	14.52	
				62	15.54	16.24	18.91	-4.38	14.53	
			SU	-	15.60	16.36	19.01	-4.38	14.63	
	179	6845	26T	0	10.97	11.36	14.18	-4.38	9.80	
				9	10.84	11.20	14.03	-4.38	9.65	
				17	10.95	11.32	14.15	-4.38	9.77	
			52T	37	14.02	14.29	17.17	-4.38	12.79	
				41	13.86	14.18	17.03	-4.38	12.65	
				44	14.02	14.30	17.17	-4.38	12.79	
			106T	53	13.98	14.26	17.13	-4.38	12.75	
				54	13.75	14.08	16.93	-4.38	12.55	
				56	14.02	14.28	17.16	-4.38	12.78	
			242T	61	15.95	16.52	19.25	-4.38	14.87	
				62	15.92	16.51	19.24	-4.38	14.86	
			SU	-	15.98	16.56	19.29	-4.38	14.91	

\* 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

- 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	-0.07	-0.13	2.91	-4.38	-1.47	24.00
				9	-0.25	-0.35	2.71	-4.38	-1.67	
				17	-0.06	-0.24	2.86	-4.38	-1.52	
			52T	37	1.30	2.35	4.87	-4.38	0.49	
				41	1.80	2.68	5.27	-4.38	0.89	
				44	2.02	2.78	5.43	-4.38	1.05	
			106T	53	4.62	5.60	8.15	-4.38	3.77	
				54	4.45	5.36	7.94	-4.38	3.56	
				56	4.64	5.52	8.11	-4.38	3.73	
			242T	61	9.44	10.35	12.93	-4.38	8.55	
				62	9.50	10.28	12.92	-4.38	8.54	
			SU	-	11.52	12.37	14.98	-4.38	10.60	
	147	6685	26T	0	-0.44	-0.74	2.42	-4.38	-1.96	
				9	-0.80	-0.96	2.13	-4.38	-2.25	
				17	-0.75	-0.85	2.21	-4.38	-2.17	
			52T	37	2.09	2.87	5.51	-4.38	1.13	
				41	1.92	2.69	5.33	-4.38	0.95	
				44	2.02	2.84	5.46	-4.38	1.08	
			106T	53	4.80	5.46	8.15	-4.38	3.77	
				54	4.60	5.24	7.94	-4.38	3.56	
				56	4.72	5.44	8.11	-4.38	3.73	
			242T	61	9.65	10.33	13.01	-4.38	8.63	
				62	9.70	10.28	13.01	-4.38	8.63	
			SU	-	11.76	12.30	15.05	-4.38	10.67	
	179	6845	26T	0	-0.08	-1.45	2.30	-4.38	-2.08	
				9	-0.20	-1.63	2.15	-4.38	-2.23	
				17	-0.07	-1.43	2.31	-4.38	-2.07	
			52T	37	2.40	2.04	5.23	-4.38	0.85	
				41	2.32	1.94	5.14	-4.38	0.76	
				44	2.45	2.08	5.28	-4.38	0.90	
			106T	53	5.08	5.27	8.19	-4.38	3.81	
				54	4.90	5.06	7.99	-4.38	3.61	
				56	5.12	5.29	8.22	-4.38	3.84	
			242T	61	9.70	10.04	12.88	-4.38	8.50	
				62	9.76	10.11	12.95	-4.38	8.57	
			SU	-	12.10	12.54	15.34	-4.38	10.96	

\* 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-8	187	6885	26T	0	-0.09	-1.39	2.32	-3.92	-1.60	24.00
				9	-0.33	-1.48	2.14	-3.92	-1.78	
				17	-0.25	-1.29	2.27	-3.92	-1.65	
			52T	37	2.54	2.14	5.35	-3.92	1.43	
				41	2.38	2.02	5.21	-3.92	1.29	
				44	2.54	2.15	5.36	-3.92	1.44	
			106T	53	5.24	5.25	8.26	-3.92	4.34	
				54	5.05	5.07	8.07	-3.92	4.15	
				56	5.25	5.28	8.28	-3.92	4.36	
			242T	61	9.90	9.98	12.95	-3.92	9.03	
				62	9.96	10.02	13.00	-3.92	9.08	
			SU	-	12.31	12.48	15.41	-3.92	11.49	
	203	6965	26T	0	-0.13	-1.60	2.21	-3.92	-1.71	
				9	-0.45	-1.74	1.96	-3.92	-1.96	
				17	-0.25	-1.61	2.13	-3.92	-1.79	
			52T	37	2.45	1.93	5.21	-3.92	1.29	
				41	2.31	1.81	5.08	-3.92	1.16	
				44	2.51	1.98	5.26	-3.92	1.34	
			106T	53	5.84	5.60	8.73	-3.92	4.81	
				54	5.71	5.42	8.58	-3.92	4.66	
				56	5.92	5.58	8.76	-3.92	4.84	
			242T	61	10.33	10.31	13.33	-3.92	9.41	
				62	10.32	10.37	13.36	-3.92	9.44	
			SU	-	12.42	12.30	15.37	-3.92	11.45	
	227	7085	26T	0	-0.09	-1.46	2.29	-3.92	-1.63	
				9	-0.27	-1.72	2.08	-3.92	-1.84	
				17	-0.25	-1.67	2.11	-3.92	-1.81	
			52T	37	2.37	2.75	5.57	-3.92	1.65	
				41	2.15	2.61	5.40	-3.92	1.48	
				44	2.38	2.72	5.56	-3.92	1.64	
106T			53	5.60	5.75	8.69	-3.92	4.77		
			54	5.43	5.58	8.52	-3.92	4.60		
			56	5.57	5.78	8.69	-3.92	4.77		
242T			61	10.07	10.69	13.40	-3.92	9.48		
			62	10.09	10.74	13.44	-3.92	9.52		
SU			-	12.11	12.36	15.25	-3.92	11.33		

\* 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	3	5965	242T	61	4.860	4.663	7.773	0.11	-3.31	4.573	17.00	
				62	5.002	4.491	7.764	0.11	-3.31	4.564		
				-	-	-	-	-	-	-		
				SU	-	2.414	2.293	5.364	-	-3.31		2.054
	43	6165	242T	61	4.407	4.601	7.515	0.11	-3.31	4.315		
				62	4.404	4.524	7.475	0.11	-3.31	4.275		
				-	-	-	-	-	-	-		
				SU	-	1.842	1.990	4.927	-	-3.31		1.617
	91	6405	242T	61	4.180	4.891	7.560	0.11	-3.31	4.360		
				62	4.444	5.138	7.815	0.11	-3.31	<b>4.615</b>		
				-	-	-	-	-	-	-		
				SU	-	1.315	2.065	4.716	-	-3.31		1.406
UNII-7	123	6565	242T	61	4.037	4.780	7.435	0.11	-4.38	3.165		
				62	4.100	4.859	7.506	0.11	-4.38	3.236		
				-	-	-	-	-	-	-		
				SU	-	0.780	1.854	4.360	-	-4.38	-0.020	
	147	6685	242T	61	3.920	4.801	7.393	0.11	-4.38	3.123		
				62	4.605	5.084	7.861	0.11	-4.38	3.591		
				-	-	-	-	-	-	-		
				SU	-	1.038	1.861	4.479	-	-4.38	0.099	
	179	6845	242T	61	4.499	5.432	8.001	0.11	-4.38	3.731		
				62	4.448	5.307	7.909	0.11	-4.38	3.639		
				-	-	-	-	-	-	-		
				SU	-	1.458	2.418	4.975	-	-4.38	0.595	

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

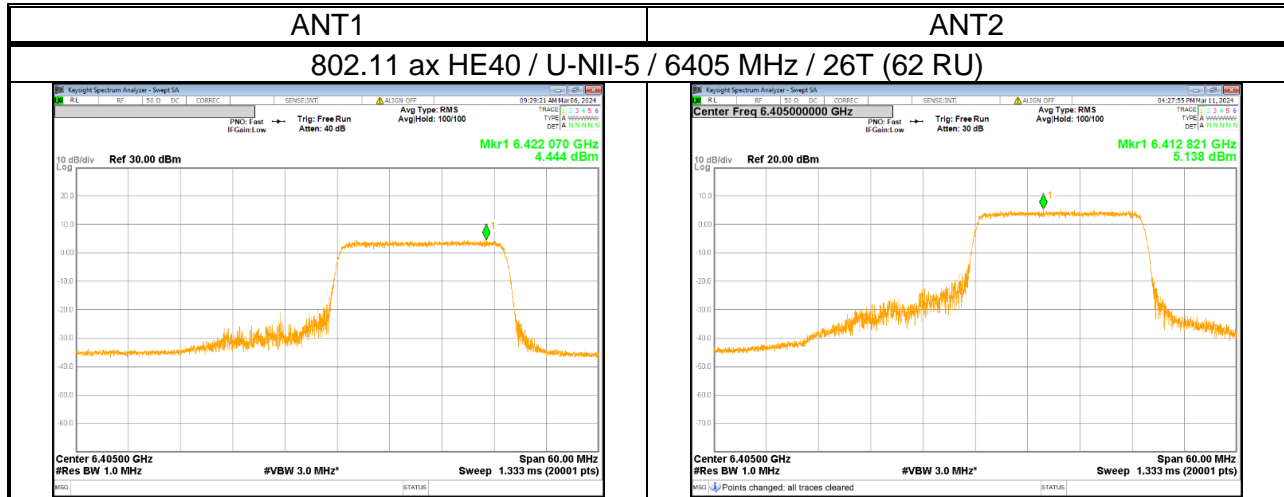


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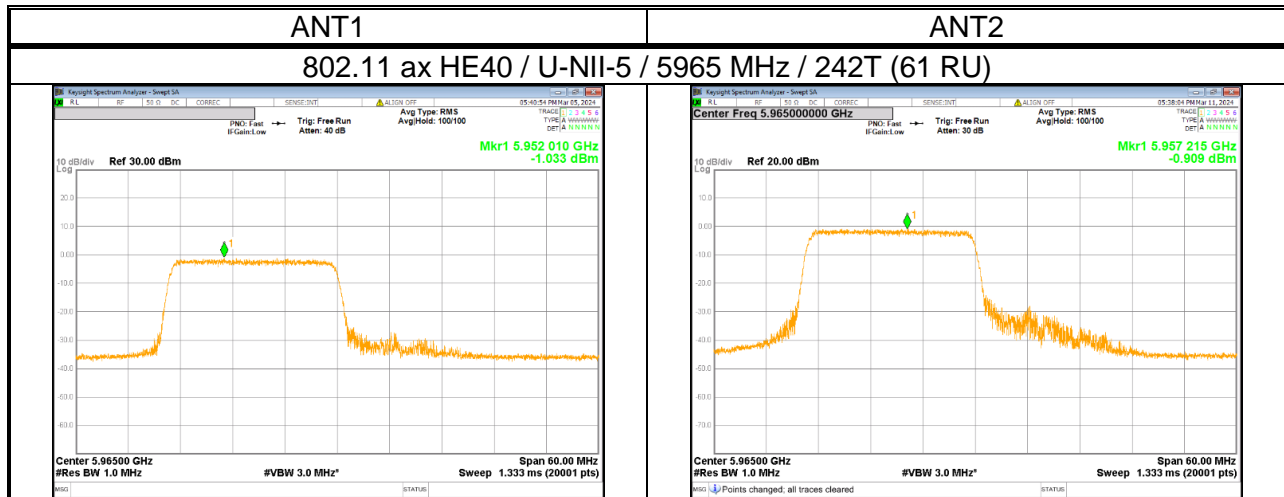
Band	Channel	Freq. [MHz]	Tones	RU offset	Meas PSD [dBm/MHz]			DCCF	Direct. Gain [dBi]	Corr'd PSD e.i.r.p [dBm]	PSD e.i.r.p Limit [dBm/MHz]
					ANT1	ANT2	MIMO				
UNII-5	3	5965	242T	61	-1.033	-0.909	2.040	0.11	-3.31	-1.160	-1.00
				62	-1.461	-0.868	1.856	0.11	-3.31	-1.344	
				-	-	-	-	-	-	-	
	43	6165	242T	61	-1.883	-0.692	1.763	0.11	-3.31	-1.437	
				62	-1.760	-0.794	1.760	0.11	-3.31	-1.440	
				-	-	-	-	-	-	-	
	91	6405	242T	61	-1.595	-0.691	1.891	0.11	-3.31	-1.309	
				62	-1.207	-0.907	1.956	0.11	-3.31	-1.244	
				-	-	-	-	-	-	-	
UNII-6	99	6445	242T	61	-1.792	-0.526	1.897	0.11	-4.26	-2.253	
				62	-1.697	-0.664	1.860	0.11	-4.26	-2.290	
				-	-	-	-	-	-	-	
	115	6525	242T	61	-2.204	-1.034	1.431	0.11	-4.26	-2.719	
				62	-2.372	-0.915	1.428	0.11	-4.26	-2.722	
				-	-	-	-	-	-	-	
	UNII-7	123	6565	242T	61	-2.784	-1.027	1.193	0.11	-4.38	-3.077
					62	-2.544	-0.978	1.320	0.11	-4.38	-2.950
					-	-	-	-	-	-	-
147		6685	242T	61	-2.608	-1.045	1.254	0.11	-4.38	-3.016	
				62	-2.281	-0.828	1.516	0.11	-4.38	-2.754	
				-	-	-	-	-	-	-	
179		6845	242T	61	-2.811	-1.041	1.174	0.11	-4.38	-3.096	
				62	-2.604	-0.873	1.357	0.11	-4.38	-2.913	
				-	-	-	-	-	-	-	
UNII-8	187	6885	242T	61	-1.765	-0.769	1.772	0.11	-3.92	-2.038	
				62	-1.527	-0.897	1.810	0.11	-3.92	-2.000	
				-	-	-	-	-	-	-	
	203	6965	242T	61	-1.057	-0.670	2.151	0.11	-3.92	-1.659	
				62	-0.928	-0.418	2.345	0.11	-3.92	-1.465	
				-	-	-	-	-	-	-	
	227	7085	242T	61	-1.690	-0.680	1.855	0.11	-3.92	-1.955	
				62	-1.422	-0.720	1.953	0.11	-3.92	-1.857	
				-	-	-	-	-	-	-	
			SU	-	-2.192	-1.986	0.923	-	-3.92	-2.997	

\* 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	10.96	11.54	14.27	-3.31	10.96	30.00
				18	10.94	11.45	14.21	-3.31	10.90	
				36	10.88	10.44	13.68	-3.31	10.37	
			52T	37	14.24	14.46	17.36	-3.31	14.05	
				45	14.21	14.43	17.33	-3.31	14.02	
				52	14.14	14.39	17.28	-3.31	13.97	
			106T	53	14.18	14.40	17.30	-3.31	13.99	
				57	14.15	14.34	17.26	-3.31	13.95	
				60	14.12	14.32	17.23	-3.31	13.92	
			242T	61	16.07	16.32	19.21	-3.31	15.90	
				62	16.13	16.28	19.22	-3.31	15.91	
				64	16.02	16.27	19.16	-3.31	15.85	
	484T	65	16.08	16.29	19.20	-3.31	15.89			
		66	16.02	16.28	19.16	-3.31	15.85			
	SU	-	15.95	16.11	19.04	-3.31	15.73			
	39	6145	26T	0	11.12	11.35	14.25	-3.31	10.94	
				18	11.18	11.25	14.23	-3.31	10.92	
				36	11.21	11.16	14.20	-3.31	10.89	
			52T	37	14.28	14.57	17.44	-3.31	14.13	
				45	14.32	14.51	17.43	-3.31	14.12	
				52	14.37	14.45	17.42	-3.31	14.11	
			106T	53	14.21	14.49	17.36	-3.31	14.05	
				57	14.28	14.40	17.35	-3.31	14.04	
				60	14.32	14.35	17.35	-3.31	14.04	
			242T	61	16.01	16.41	19.22	-3.31	15.91	
				62	16.08	16.40	19.25	-3.31	15.94	
				64	16.11	16.39	19.26	-3.31	15.95	
	484T	65	16.06	16.41	19.25	-3.31	15.94			
		66	16.11	16.37	19.25	-3.31	15.94			
	SU	-	15.98	16.20	19.10	-3.31	15.79			
	87	6385	26T	0	11.25	11.55	14.41	-3.31	11.10	
				18	11.32	11.36	14.35	-3.31	11.04	
				36	11.37	11.26	14.33	-3.31	11.02	
			52T	37	14.23	14.72	17.49	-3.31	14.18	
				45	14.30	14.62	17.47	-3.31	14.16	
				52	14.34	14.49	17.43	-3.31	14.12	
106T			53	14.18	14.65	17.43	-3.31	14.12		
			57	14.22	14.53	17.39	-3.31	14.08		
			60	14.27	14.42	17.36	-3.31	14.05		
242T			61	15.89	16.53	19.23	-3.31	15.92		
			62	15.86	16.47	19.19	-3.31	15.88		
			64	15.92	16.43	19.19	-3.31	15.88		
484T	65	15.83	16.46	19.17	-3.31	15.86				
	66	15.92	16.38	19.17	-3.31	15.86				
SU	-	15.80	16.27	19.05	-3.31	15.74				

\* 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

- 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	-0.90	-1.03	2.05	-3.31	-1.26	24.00
				18	-0.73	-1.27	2.02	-3.31	-1.29	
				36	-0.50	-1.42	2.07	-3.31	-1.24	
			52T	37	2.16	2.27	5.23	-3.31	1.92	
				45	2.04	2.13	5.10	-3.31	1.79	
				52	2.06	2.10	5.09	-3.31	1.78	
			106T	53	5.50	4.99	8.26	-3.31	4.95	
				57	5.46	4.97	8.23	-3.31	4.92	
				60	5.42	4.92	8.19	-3.31	4.88	
			242T	61	10.37	10.50	13.45	-3.31	10.14	
				62	10.36	10.47	13.43	-3.31	10.12	
				64	10.32	10.46	13.40	-3.31	10.09	
	484T	65	12.08	12.31	15.21	-3.31	11.90			
		66	12.07	12.29	15.19	-3.31	11.88			
	SU	-	15.54	15.61	18.59	-3.31	15.28			
	39	6145	26T	0	-0.66	-1.53	1.94	-3.31	-1.37	
				18	-0.65	-1.70	1.87	-3.31	-1.44	
				36	-0.52	-1.75	1.92	-3.31	-1.39	
			52T	37	2.08	2.60	5.36	-3.31	2.05	
				45	2.18	2.58	5.39	-3.31	2.08	
				52	2.22	2.54	5.39	-3.31	2.08	
			106T	53	5.03	5.54	8.30	-3.31	4.99	
				57	5.07	5.51	8.31	-3.31	5.00	
				60	5.12	5.45	8.30	-3.31	4.99	
			242T	61	9.85	10.50	13.20	-3.31	9.89	
				62	9.92	10.45	13.20	-3.31	9.89	
				64	9.94	10.40	13.19	-3.31	9.88	
	484T	65	11.92	12.34	15.15	-3.31	11.84			
		66	11.97	12.26	15.13	-3.31	11.82			
	SU	-	15.41	15.67	18.55	-3.31	15.24			
87	6385	26T	0	-0.74	-1.70	1.82	-3.31	-1.49		
			18	-0.72	-1.75	1.81	-3.31	-1.50		
			36	-0.55	-1.62	1.96	-3.31	-1.35		
		52T	37	2.20	2.75	5.49	-3.31	2.18		
			45	2.26	2.66	5.47	-3.31	2.16		
			52	2.31	2.53	5.43	-3.31	2.12		
		106T	53	5.02	5.59	8.32	-3.31	5.01		
			57	5.13	5.50	8.33	-3.31	5.02		
			60	5.13	5.38	8.27	-3.31	4.96		
		242T	61	9.97	10.45	13.23	-3.31	9.92		
			62	10.02	10.40	13.22	-3.31	9.91		
			64	10.06	10.33	13.21	-3.31	9.90		
484T	65	12.11	12.30	15.22	-3.31	11.91				
	66	12.22	12.21	15.23	-3.31	11.92				
SU	-	14.80	15.25	18.04	-3.31	14.73				

\* 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-6	103	6465	26T	0	-0.38	-1.57	2.08	-4.26	-2.18	24.00
				18	-0.50	-1.53	2.03	-4.26	-2.23	
				36	-0.41	-1.45	2.11	-4.26	-2.15	
			52T	37	1.92	2.67	5.32	-4.26	1.06	
				45	1.85	2.60	5.25	-4.26	0.99	
				52	1.80	2.48	5.16	-4.26	0.90	
			106T	53	5.29	5.95	8.64	-4.26	4.38	
				57	5.25	5.89	8.59	-4.26	4.33	
				60	5.22	5.80	8.53	-4.26	4.27	
			242T	61	10.16	10.82	13.51	-4.26	9.25	
				62	10.18	10.79	13.51	-4.26	9.25	
				64	10.10	10.69	13.42	-4.26	9.16	
			484T	65	12.13	12.59	15.38	-4.26	11.12	
				66	12.05	12.56	15.32	-4.26	11.06	
			SU	-	14.90	15.45	18.19	-4.26	13.93	

\* 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	135	6625	26T	0	11.09	11.27	14.19	-4.38	9.81	30.00		
				18	11.14	11.11	14.14	-4.38	9.76			
				36	11.19	11.12	14.17	-4.38	9.79			
			52T	37	13.97	14.49	17.25	-4.38	12.87			
				45	14.03	14.44	17.25	-4.38	12.87			
				52	14.02	14.36	17.20	-4.38	12.82			
			106T	53	13.90	14.39	17.16	-4.38	12.78			
				57	13.96	14.29	17.14	-4.38	12.76			
				60	13.91	14.30	17.12	-4.38	12.74			
			242T	61	15.62	16.22	18.94	-4.38	14.56			
				62	15.65	16.24	18.97	-4.38	14.59			
				64	15.72	16.25	19.00	-4.38	14.62			
			484T	65	16.14	16.76	19.47	-4.38	15.09			
				66	16.20	16.73	19.48	-4.38	15.10			
			SU	-	16.05	16.54	19.31	-4.38	14.93			
			151	6705	26T	0	11.10	11.50	14.31		-4.38	9.93
						18	11.06	11.43	14.26		-4.38	9.88
						36	11.09	11.40	14.26		-4.38	9.88
					52T	37	14.01	14.41	17.22		-4.38	12.84
						45	13.98	14.40	17.21		-4.38	12.83
						52	13.97	14.35	17.17		-4.38	12.79
					106T	53	13.95	14.30	17.14		-4.38	12.76
						57	13.91	14.33	17.14		-4.38	12.76
						60	13.88	14.28	17.09		-4.38	12.71
	242T	61			15.62	16.30	18.98	-4.38	14.60			
		62			15.61	16.22	18.94	-4.38	14.56			
		64			15.68	16.26	18.99	-4.38	14.61			
	484T	65			16.14	16.68	19.43	-4.38	15.05			
		66			16.15	16.70	19.44	-4.38	15.06			
	SU	-			16.05	16.50	19.29	-4.38	14.91			
	167	6785			26T	0	11.22	11.11	14.18		-4.38	9.80
						18	11.21	11.07	14.15		-4.38	9.77
						36	11.30	11.13	14.23		-4.38	9.85
					52T	37	14.42	14.16	17.30		-4.38	12.92
						45	14.48	14.17	17.34		-4.38	12.96
						52	14.51	14.16	17.35		-4.38	12.97
					106T	53	14.20	14.06	17.14		-4.38	12.76
						57	14.33	14.08	17.22		-4.38	12.84
						60	14.38	14.11	17.26		-4.38	12.88
			242T	61	15.95	15.96	18.97	-4.38	14.59			
				62	16.04	16.01	19.04	-4.38	14.66			
				64	16.11	16.05	19.09	-4.38	14.71			
			484T	65	15.92	15.83	18.89	-4.38	14.51			
				66	15.97	16.00	19.00	-4.38	14.62			
			SU	-	16.06	16.28	19.18	-4.38	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-7	119	6545	26T	0	-0.50	-0.48	2.52	-4.38	-1.86	24.00
				18	-0.52	-0.59	2.46	-4.38	-1.92	
				36	-0.42	-0.67	2.47	-4.38	-1.91	
			52T	37	2.28	2.85	5.58	-4.38	1.20	
				45	2.25	2.76	5.52	-4.38	1.14	
				52	2.40	2.66	5.54	-4.38	1.16	
			106T	53	5.09	5.66	8.39	-4.38	4.01	
				57	5.16	5.59	8.39	-4.38	4.01	
				60	5.19	5.54	8.38	-4.38	4.00	
			242T	61	9.80	10.45	13.15	-4.38	8.77	
				62	9.90	10.44	13.19	-4.38	8.81	
				64	10.05	10.34	13.21	-4.38	8.83	
	484T	65	12.02	12.41	15.23	-4.38	10.85			
		66	12.11	12.37	15.25	-4.38	10.87			
	SU	-	14.84	15.24	18.05	-4.38	13.67			
	151	6705	26T	0	-0.32	-0.88	2.42	-4.38	-1.96	
				18	-0.63	-0.99	2.20	-4.38	-2.18	
				36	-0.70	-0.98	2.17	-4.38	-2.21	
			52T	37	2.13	2.75	5.46	-4.38	1.08	
				45	2.12	2.74	5.45	-4.38	1.07	
				52	2.11	2.75	5.45	-4.38	1.07	
			106T	53	4.94	5.45	8.21	-4.38	3.83	
				57	4.92	5.42	8.19	-4.38	3.81	
				60	4.90	5.44	8.19	-4.38	3.81	
			242T	61	9.90	10.39	13.16	-4.38	8.78	
				62	9.93	10.35	13.16	-4.38	8.78	
				64	9.95	10.37	13.18	-4.38	8.80	
	484T	65	11.90	12.25	15.09	-4.38	10.71			
		66	11.92	12.27	15.11	-4.38	10.73			
	SU	-	15.22	15.52	18.38	-4.38	14.00			
	183	6865	26T	0	-0.34	-1.90	1.96	-4.38	-2.42	
				18	-0.47	-1.92	1.88	-4.38	-2.50	
				36	-0.61	-1.72	1.88	-4.38	-2.50	
			52T	37	2.95	2.33	5.66	-4.38	1.28	
				45	2.98	2.42	5.72	-4.38	1.34	
				52	2.97	2.43	5.72	-4.38	1.34	
106T			53	5.32	5.15	8.25	-4.38	3.87		
			57	5.44	5.22	8.34	-4.38	3.96		
			60	5.36	5.21	8.30	-4.38	3.92		
242T			61	10.03	9.98	13.02	-4.38	8.64		
			62	10.13	10.01	13.08	-4.38	8.70		
			64	10.20	10.30	13.26	-4.38	8.88		
484T	65	11.93	11.87	14.91	-4.38	10.53				
	66	12.01	11.95	14.99	-4.38	10.61				
SU	-	15.04	15.27	18.17	-4.38	13.79				

\* 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

- 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	-0.08	-1.58	2.24	-3.92	-1.68	24.00
				18	-0.09	-1.61	2.23	-3.92	-1.69	
				36	-0.12	-1.58	2.22	-3.92	-1.70	
			52T	37	2.53	2.07	5.32	-3.92	1.40	
				45	2.60	2.13	5.38	-3.92	1.46	
				52	2.52	2.15	5.35	-3.92	1.43	
			106T	53	5.40	5.32	8.37	-3.92	4.45	
				57	5.42	5.38	8.41	-3.92	4.49	
				60	5.37	5.39	8.39	-3.92	4.47	
			242T	61	10.15	10.10	13.14	-3.92	9.22	
				62	10.18	10.13	13.17	-3.92	9.25	
				64	10.22	10.25	13.25	-3.92	9.33	
			484T	65	12.03	12.05	15.05	-3.92	11.13	
				66	12.06	12.12	15.10	-3.92	11.18	
	SU	-	15.15	15.44	18.31	-3.92	14.39			
	215	7025	26T	0	-0.08	-1.53	2.27	-3.92	-1.65	
				18	-0.07	-1.54	2.27	-3.92	-1.65	
				36	-0.17	-1.57	2.20	-3.92	-1.72	
			52T	37	2.39	2.50	5.46	-3.92	1.54	
				45	2.42	2.63	5.54	-3.92	1.62	
				52	2.57	2.64	5.62	-3.92	1.70	
			106T	53	5.26	5.79	8.54	-3.92	4.62	
				57	5.35	5.85	8.62	-3.92	4.70	
				60	5.34	5.90	8.64	-3.92	4.72	
			242T	61	10.42	10.53	13.49	-3.92	9.57	
				62	10.50	10.57	13.55	-3.92	9.63	
				64	10.58	10.67	13.64	-3.92	9.72	
			484T	65	12.47	12.51	15.50	-3.92	11.58	
66				12.50	12.59	15.56	-3.92	11.64		
SU	-	14.90	15.44	18.19	-3.92	14.27				

\* 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	5.171	5.484	8.341	0.11	-3.31	<b>5.141</b>	17.00
				62	5.390	4.898	8.161	0.11	-3.31	4.961	
				64	5.019	4.926	7.983	0.11	-3.31	4.783	
			SU	-	-1.139	-1.175	1.853	-	-3.31	-1.457	
	39	6145	242T	61	4.814	4.960	7.898	0.11	-3.31	4.698	
				62	4.690	4.792	7.752	0.11	-3.31	4.552	
				64	4.730	5.119	7.939	0.11	-3.31	4.739	
			SU	-	-1.455	-1.223	1.673	-	-3.31	-1.637	
	87	6385	242T	61	4.383	5.018	7.722	0.11	-3.31	4.522	
				62	4.396	5.143	7.796	0.11	-3.31	4.596	
				64	4.739	5.523	8.159	0.11	-3.31	4.959	
			SU	-	-1.673	-1.058	1.656	-	-3.31	-1.654	
UNII-7	135	6625	242T	61	4.178	4.755	7.486	0.11	-4.38	3.216	
				62	4.234	4.742	7.506	0.11	-4.38	3.236	
				64	4.219	5.006	7.641	0.11	-4.38	3.371	
			SU	-	-1.383	-0.894	1.879	-	-4.38	-2.501	
	151	6705	242T	61	3.837	4.701	7.301	0.11	-4.38	3.031	
				62	4.572	4.779	7.687	0.11	-4.38	3.417	
				64	4.323	4.994	7.682	0.11	-4.38	3.412	
			SU	-	-1.289	-0.755	1.997	-	-4.38	-2.383	
	167	6785	242T	61	4.626	4.307	7.480	0.11	-4.38	3.210	
				62	4.718	4.474	7.608	0.11	-4.38	3.338	
				64	4.968	4.458	7.731	0.11	-4.38	3.461	
			SU	-	-1.164	-0.963	1.948	-	-4.38	-2.432	

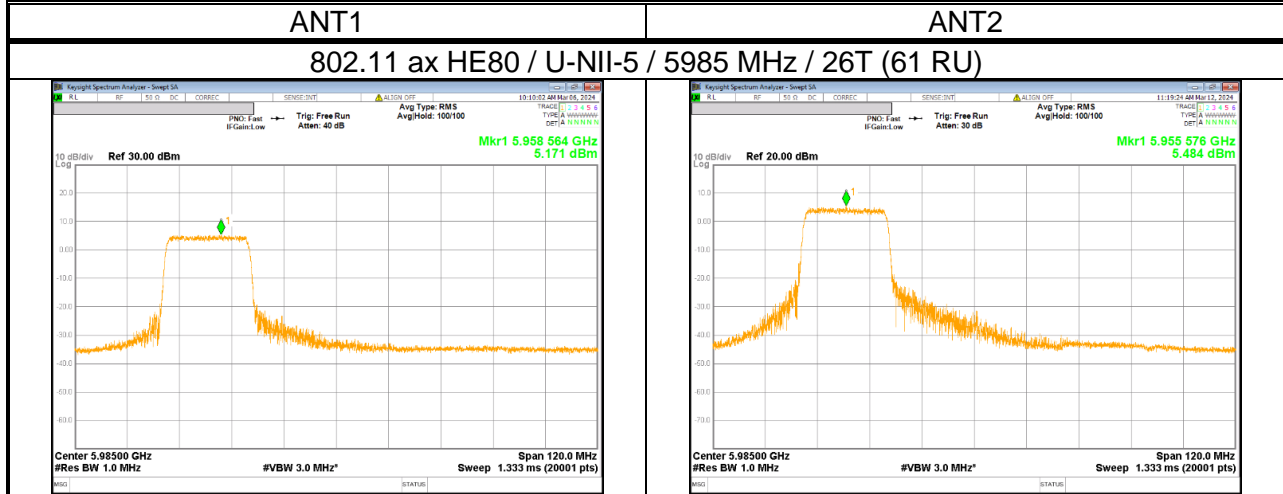
\* Corr'd PSD e.i.r.p = ANT1 Meas PSD + Ant2 Meas PSD + DCCF + Directional Gain

- LPI

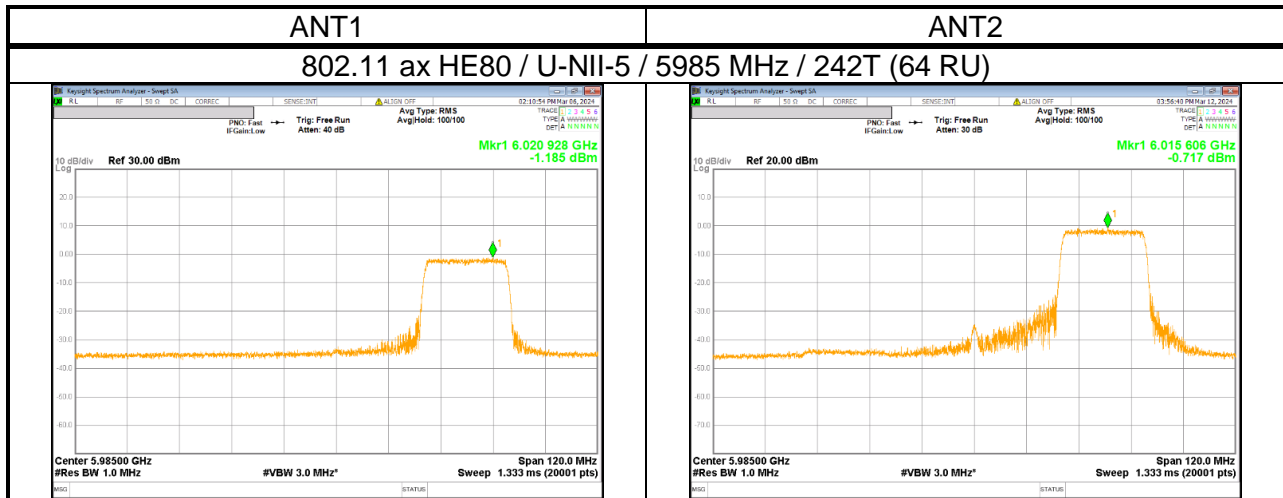
Band	Channel	Freq. [MHz]	Tones	RU offset	Meas PSD [dBm/MHz]			DCCF	Direct. Gain [dBi]	Corr'd PSD e.i.r.p [dBm]	PSD e.i.r.p Limit [dBm/MHz]
					ANT1	ANT2	MIMO				
UNII-5	7	5985	242T	61	-1.051	-1.243	1.864	0.11	-3.31	-1.336	-1.00
				62	-1.141	-0.811	2.037	0.11	-3.31	-1.163	
				64	-1.185	-0.717	2.066	0.11	-3.31	-1.134	
			SU	-	-1.127	-1.458	1.721	-	-3.31	-1.589	
	39	6145	242T	61	-1.349	-0.933	1.874	0.11	-3.31	-1.326	
				62	-1.354	-1.171	1.749	0.11	-3.31	-1.451	
				64	-1.599	-1.421	1.501	0.11	-3.31	-1.699	
			SU	-	-1.889	-1.948	1.092	-	-3.31	-2.218	
	87	6385	242T	61	-1.362	-0.896	1.888	0.11	-3.31	-1.312	
				62	-1.434	-0.857	1.874	0.11	-3.31	-1.326	
				64	-1.131	-0.865	2.014	0.11	-3.31	-1.186	
			SU	-	-2.612	-1.816	0.815	-	-3.31	-2.495	
UNII-6	103	6465	242T	61	-1.288	-1.212	1.760	0.11	-4.26	-2.390	
				62	-0.959	-1.136	1.964	0.11	-4.26	-2.186	
				64	-1.323	-0.473	2.133	0.11	-4.26	-2.017	
			SU	-	-2.302	-1.570	1.090	-	-4.26	-3.170	
UNII-7	119	6545	242T	61	-1.401	-0.933	1.850	0.11	-4.38	-2.420	
				62	-1.445	-0.680	1.965	0.11	-4.38	-2.305	
				64	-1.530	-1.392	1.550	0.11	-4.38	-2.720	
			SU	-	-2.524	-2.056	0.727	-	-4.38	-3.653	
	151	6705	242T	61	-1.816	-0.814	1.724	0.11	-4.38	-2.546	
				62	-1.674	-0.391	2.025	0.11	-4.38	-2.245	
				64	-1.391	-0.577	2.045	0.11	-4.38	-2.225	
			SU	-	-1.930	-1.600	1.248	-	-4.38	-3.132	
	183	6865	242T	61	-1.765	-1.356	1.455	0.11	-4.38	-2.815	
				62	-1.119	-1.606	1.655	0.11	-4.38	-2.615	
				64	-1.354	-1.459	1.604	0.11	-4.38	-2.666	
			SU	-	-2.424	-1.850	0.883	-	-4.38	-3.497	
UNII-8	199	6945	242T	61	-0.664	-1.450	1.971	0.11	-3.92	-1.839	
				62	-1.491	-0.935	1.806	0.11	-3.92	-2.004	
				64	-1.322	-1.066	1.818	0.11	-3.92	-1.992	
			SU	-	-2.362	-1.759	0.960	-	-3.92	-2.960	
	215	7025	242T	61	-1.075	-0.798	2.076	0.11	-3.92	-1.734	
				62	-0.759	-0.762	2.250	0.11	-3.92	-1.560	
				64	-0.842	-0.465	2.361	0.11	-3.92	-1.449	
			SU	-	-2.565	-1.628	0.939	-	-3.92	-2.981	

\* 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	11.20	11.48	14.35	-3.31	11.04	30.00
				0U	11.24	11.57	14.42	-3.31	11.11	
				36U	11.03	11.41	14.23	-3.31	10.92	
			52T	37L	14.33	14.54	17.45	-3.31	14.14	
				37U	14.30	14.58	17.45	-3.31	14.14	
				52U	14.09	14.43	17.27	-3.31	13.96	
			106T	53L	14.46	14.63	17.56	-3.31	14.25	
				53U	14.38	14.66	17.53	-3.31	14.22	
				60U	14.20	14.52	17.37	-3.31	14.06	
			242T	61L	16.36	16.63	19.51	-3.31	16.20	
				61U	16.11	16.60	19.37	-3.31	16.06	
				64U	15.96	16.59	19.30	-3.31	15.99	
	484T	65L	16.26	16.56	19.42	-3.31	16.11			
		66L	16.23	16.51	19.38	-3.31	16.07			
		66U	16.01	16.49	19.27	-3.31	15.96			
	996T	67L	16.24	16.52	19.39	-3.31	16.08			
		67U	16.03	16.47	19.27	-3.31	15.96			
	SU	-	16.43	16.83	19.64	-3.31	16.33			
	47	6185	26T	0L	11.22	11.70	14.48	-3.31	11.17	
				0U	11.46	11.77	14.63	-3.31	11.32	
				36U	11.21	11.44	14.34	-3.31	11.03	
			52T	37L	14.31	14.73	17.54	-3.31	14.23	
				37U	14.53	14.77	17.66	-3.31	14.35	
				52U	14.28	14.46	17.38	-3.31	14.07	
			106T	53L	14.46	14.86	17.67	-3.31	14.36	
				53U	14.61	14.78	17.71	-3.31	14.40	
				60U	14.45	14.59	17.53	-3.31	14.22	
			242T	61L	16.37	16.70	19.55	-3.31	16.24	
				61U	16.48	16.60	19.55	-3.31	16.24	
				64U	16.30	16.51	19.42	-3.31	16.11	
	484T	65L	16.34	16.62	19.49	-3.31	16.18			
		66L	16.45	16.58	19.53	-3.31	16.22			
		66U	16.29	16.44	19.38	-3.31	16.07			
	996T	67L	16.36	16.57	19.48	-3.31	16.17			
		67U	16.35	16.47	19.42	-3.31	16.11			
	SU	-	16.65	16.81	19.74	-3.31	16.43			
79	6345	26T	0L	11.61	11.88	14.76	-3.31	11.45		
			0U	11.69	11.83	14.77	-3.31	11.46		
			36U	11.81	11.49	14.66	-3.31	11.35		
		52T	37L	14.02	14.52	17.29	-3.31	13.98		
			37U	14.06	14.44	17.26	-3.31	13.95		
			52U	14.08	14.19	17.15	-3.31	13.84		
		106T	53L	14.01	14.61	17.33	-3.31	14.02		
			53U	14.14	14.54	17.35	-3.31	14.04		
			60U	14.18	14.32	17.26	-3.31	13.95		
		242T	61L	15.74	16.48	19.14	-3.31	15.83		
			61U	15.76	16.32	19.06	-3.31	15.75		
			64U	15.88	16.21	19.06	-3.31	15.75		
484T	65L	15.70	16.39	19.07	-3.31	15.76				
	66L	15.65	16.30	19.00	-3.31	15.69				
	66U	15.80	16.09	18.96	-3.31	15.65				
996T	67L	15.64	16.32	19.00	-3.31	15.69				
	67U	15.69	16.14	18.93	-3.31	15.62				
SU	-	16.03	16.51	19.29	-3.31	15.98				

\* 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	-1.81	-0.57	1.86	-3.31	-1.45	24.00
				0U	-0.53	-0.51	2.49	-3.31	-0.82	
				36U	-0.45	-1.24	2.18	-3.31	-1.13	
			52T	37L	2.20	2.67	5.45	-3.31	2.14	
				37U	2.14	2.79	5.49	-3.31	2.18	
				52U	1.92	2.63	5.30	-3.31	1.99	
			106T	53L	5.25	5.69	8.49	-3.31	5.18	
				53U	5.19	5.72	8.47	-3.31	5.16	
				60U	4.97	5.62	8.32	-3.31	5.01	
			242T	61L	10.23	10.53	13.39	-3.31	10.08	
				61U	10.10	10.50	13.31	-3.31	10.00	
				64U	9.94	10.44	13.21	-3.31	9.90	
			484T	65L	12.29	12.46	15.39	-3.31	12.08	
				66L	12.20	12.42	15.32	-3.31	12.01	
				66U	11.96	12.36	15.17	-3.31	11.86	
	996T	67L	15.25	15.45	18.36	-3.31	15.05			
		67U	15.02	15.44	18.25	-3.31	14.94			
	SU	-	16.27	16.79	19.55	-3.31	16.24			
	47	6185	26T	0L	-0.43	-1.00	2.30	-3.31	-1.01	
				0U	-0.08	-0.81	2.58	-3.31	-0.73	
				36U	-0.75	-1.11	2.08	-3.31	-1.23	
			52T	37L	1.80	2.38	5.11	-3.31	1.80	
				37U	2.05	2.45	5.26	-3.31	1.95	
				52U	1.79	2.17	4.99	-3.31	1.68	
			106T	53L	5.27	5.43	8.36	-3.31	5.05	
				53U	5.46	5.42	8.45	-3.31	5.14	
				60U	5.22	5.24	8.24	-3.31	4.93	
			242T	61L	10.20	10.74	13.49	-3.31	10.18	
				61U	10.29	10.66	13.49	-3.31	10.18	
				64U	10.11	10.53	13.34	-3.31	10.03	
			484T	65L	12.18	12.67	15.44	-3.31	12.13	
				66L	12.14	12.60	15.39	-3.31	12.08	
				66U	12.06	12.50	15.30	-3.31	11.99	
	996T	67L	15.17	15.52	18.36	-3.31	15.05			
		67U	15.20	15.43	18.33	-3.31	15.02			
	SU	-	16.48	16.78	19.64	-3.31	16.33			
	79	6345	26T	0L	-0.22	-0.99	2.42	-3.31	-0.89	
				0U	-0.19	-0.43	2.70	-3.31	-0.61	
				36U	-0.22	-0.56	2.62	-3.31	-0.69	
			52T	37L	1.90	2.70	5.33	-3.31	2.02	
				37U	2.02	2.65	5.36	-3.31	2.05	
				52U	2.09	2.33	5.22	-3.31	1.91	
			106T	53L	4.84	5.50	8.19	-3.31	4.88	
				53U	4.85	5.42	8.15	-3.31	4.84	
				60U	4.98	5.15	8.08	-3.31	4.77	
242T			61L	9.65	10.41	13.06	-3.31	9.75		
			61U	9.74	10.21	12.99	-3.31	9.68		
			64U	9.86	10.13	13.01	-3.31	9.70		
484T			65L	11.80	12.21	15.02	-3.31	11.71		
			66L	11.82	12.15	15.00	-3.31	11.69		
			66U	11.98	11.97	14.99	-3.31	11.68		
996T	67L	14.55	15.32	17.96	-3.31	14.65				
	67U	14.70	15.14	17.94	-3.31	14.63				
SU	-	15.88	16.48	19.20	-3.31	15.89				

\* 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	-0.21	-1.07	2.39	-4.26	-1.87	24.00
				0U	-0.08	-0.52	2.72	-4.26	-1.54	
				36U	-0.09	-0.99	2.49	-4.26	-1.77	
			52T	37L	2.06	2.89	5.51	-4.26	1.25	
				37U	2.22	2.92	5.59	-4.26	1.33	
				52U	2.28	2.69	5.50	-4.26	1.24	
			106T	53L	4.95	5.75	8.38	-4.26	4.12	
				53U	4.99	5.71	8.38	-4.26	4.12	
				60U	5.15	5.54	8.36	-4.26	4.10	
			242T	61L	9.70	10.53	13.15	-4.26	8.89	
				61U	9.69	10.45	13.10	-4.26	8.84	
				64U	9.91	10.36	13.15	-4.26	8.89	
			484T	65L	11.86	12.51	15.21	-4.26	10.95	
				66L	11.90	12.42	15.18	-4.26	10.92	
				66U	11.95	12.36	15.17	-4.26	10.91	
			996T	67L	14.78	15.45	18.14	-4.26	13.88	
				67U	14.82	15.37	18.11	-4.26	13.85	
			SU	-	16.06	16.74	19.42	-4.26	15.16	

\* 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	11.30	11.63	14.48	-4.38	10.10	30.00
				0U	11.60	11.73	14.68	-4.38	10.30	
				36U	11.45	11.56	14.52	-4.38	10.14	
			52T	37L	14.22	14.68	17.47	-4.38	13.09	
				37U	14.46	14.75	17.62	-4.38	13.24	
				52U	14.33	14.60	17.48	-4.38	13.10	
			106T	53L	14.30	14.76	17.55	-4.38	13.17	
				53U	14.43	14.78	17.62	-4.38	13.24	
				60U	14.42	14.72	17.58	-4.38	13.20	
			242T	61L	16.21	16.59	19.41	-4.38	15.03	
				61U	16.22	16.56	19.40	-4.38	15.02	
				64U	16.38	16.64	19.52	-4.38	15.14	
			484T	65L	16.18	16.52	19.36	-4.38	14.98	
				66L	16.22	16.47	19.36	-4.38	14.98	
				66U	16.32	16.49	19.42	-4.38	15.04	
			996T	67L	16.11	16.47	19.30	-4.38	14.92	
				67U	16.28	16.53	19.42	-4.38	15.04	
			SU	-	16.58	16.78	19.69	-4.38	15.31	

\* 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	-0.47	-1.28	2.15	-4.38	-2.23	23.00
				0U	-0.21	-1.10	2.38	-4.38	-2.00	
				36U	-0.90	-1.72	1.72	-4.38	-2.66	
			52T	37L	2.50	2.44	5.48	-4.38	1.10	
				37U	2.78	2.58	5.69	-4.38	1.31	
				52U	2.71	2.49	5.61	-4.38	1.23	
			106T	53L	5.38	5.79	8.60	-4.38	4.22	
				53U	5.63	5.84	8.75	-4.38	4.37	
				60U	5.60	5.79	8.71	-4.38	4.33	
			242T	61L	10.13	10.57	13.37	-4.38	8.99	
				61U	10.28	10.61	13.46	-4.38	9.08	
				64U	10.30	10.60	13.46	-4.38	9.08	
			484T	65L	12.18	12.51	15.36	-4.38	10.98	
				66L	12.31	12.51	15.42	-4.38	11.04	
				66U	12.36	12.52	15.45	-4.38	11.07	
	996T	67L	15.13	15.47	18.31	-4.38	13.93			
		67U	15.25	15.52	18.40	-4.38	14.02			
	SU	-	16.53	16.77	19.66	-4.38	15.28			
	175	6825	26T	0L	-0.13	-1.99	2.05	-4.38	-2.33	
				0U	-0.04	-1.33	2.37	-4.38	-2.01	
				36U	-0.51	-1.52	2.02	-4.38	-2.36	
			52T	37L	2.76	2.27	5.53	-4.38	1.15	
				37U	2.74	2.03	5.41	-4.38	1.03	
				52U	2.72	2.02	5.39	-4.38	1.01	
			106T	53L	5.13	5.10	8.13	-4.38	3.75	
				53U	5.48	5.33	8.42	-4.38	4.04	
				60U	5.50	5.36	8.44	-4.38	4.06	
			242T	61L	9.99	10.37	13.19	-4.38	8.81	
				61U	10.25	10.54	13.41	-4.38	9.03	
				64U	10.35	10.63	13.50	-4.38	9.12	
484T			65L	11.90	12.37	15.15	-4.38	10.77		
			66L	12.07	12.45	15.27	-4.38	10.89		
			66U	12.25	12.58	15.43	-4.38	11.05		
996T	67L	14.88	15.27	18.09	-4.38	13.71				
	67U	15.09	15.38	18.25	-4.38	13.87				
SU	-	16.31	16.66	19.50	-4.38	15.12				

\* 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	-0.08	-1.97	2.09	-3.92	-1.83	24.00
				0U	-0.10	-1.35	2.33	-3.92	-1.59	
				36U	-0.50	-1.86	1.88	-3.92	-2.04	
			52T	37L	2.30	2.58	5.45	-3.92	1.53	
				37U	2.28	2.85	5.58	-3.92	1.66	
				52U	2.42	2.88	5.67	-3.92	1.75	
			106T	53L	5.10	5.87	8.51	-3.92	4.59	
				53U	4.70	5.60	8.18	-3.92	4.26	
				60U	4.82	5.68	8.28	-3.92	4.36	
			242T	61L	9.90	10.15	13.04	-3.92	9.12	
				61U	9.98	10.32	13.16	-3.92	9.24	
				64U	10.13	10.44	13.30	-3.92	9.38	
			484T	65L	11.52	12.10	14.83	-3.92	10.91	
				66L	11.60	12.14	14.89	-3.92	10.97	
				66U	11.76	12.33	15.06	-3.92	11.14	
			996T	67L	14.75	15.60	18.21	-3.92	14.29	
				67U	14.86	15.81	18.37	-3.92	14.45	
			SU	-	15.90	16.53	19.24	-3.92	15.32	

\* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]  
 Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain  
 \* 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	4.065	5.327	7.752	0.12	-3.31	4.562	17.00
				61U	3.963	5.072	7.563	0.12	-3.31	4.373	
				64U	4.210	5.206	7.747	0.12	-3.31	4.557	
			SU	-	-4.518	-3.499	-0.968	-	-3.31	-4.278	
	47	6185	242T	61L	4.383	4.875	7.646	0.12	-3.31	4.456	
				61U	4.350	5.172	7.791	0.12	-3.31	<b>4.601</b>	
				64U	4.269	5.059	7.692	0.12	-3.31	4.502	
			SU	-	-4.284	-3.545	-0.889	-	-3.31	-4.199	
	79	6345	242T	61L	3.920	4.960	7.481	0.12	-3.31	4.291	
				61U	4.151	5.204	7.720	0.12	-3.31	4.530	
				64U	4.336	4.995	7.688	0.12	-3.31	4.498	
			SU	-	-4.522	-3.517	-0.980	-	-3.31	-4.290	
UNII-7	143	6665	242T	61L	4.952	5.024	7.998	0.12	-4.38	3.738	
				61U	5.236	5.248	8.252	0.12	-4.38	3.992	
				64U	5.097	5.485	8.306	0.12	-4.38	4.046	
			SU	-	-3.261	-3.312	-0.276	-	-4.38	-4.656	

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

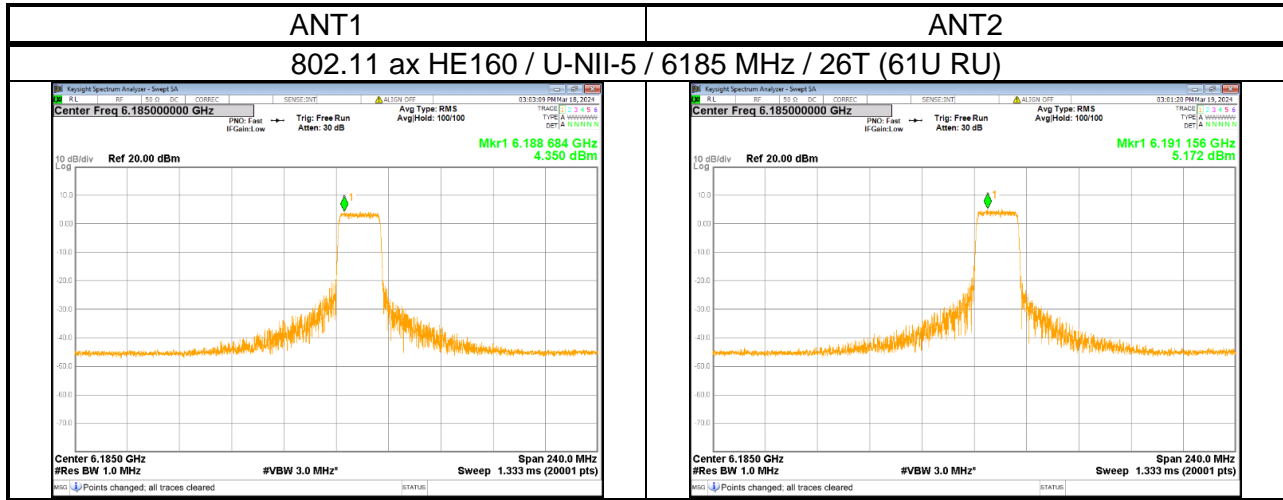
- LPI

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	-1.699	-0.862	1.750	0.12	-3.31	-1.440	-1.00
				61U	-1.914	-1.031	1.560	0.12	-3.31	-1.630	
				64U	-1.773	-0.736	1.787	0.12	-3.31	-1.403	
			SU	-	-4.350	-3.384	-0.830	-	-3.31	-4.140	
	47	6185	242T	61L	-1.823	-0.873	1.688	0.12	-3.31	-1.502	
				61U	-1.796	-0.610	1.848	0.12	-3.31	-1.342	
				64U	-1.618	-0.715	1.867	0.12	-3.31	<b>-1.323</b>	
			SU	-	-4.280	-3.353	-0.782	-	-3.31	-4.092	
	79	6345	242T	61L	-2.283	-0.990	1.422	0.12	-3.31	-1.768	
				61U	-1.426	-0.915	1.847	0.12	-3.31	-1.343	
				64U	-1.749	-0.930	1.690	0.12	-3.31	-1.500	
			SU	-	-4.285	-3.412	-0.816	-	-3.31	-4.126	
UNII-6	111	6505	242T	61L	-2.019	-0.690	1.706	0.12	-4.26	-2.434	
				61U	-1.833	-0.895	1.672	0.12	-4.26	-2.468	
				64U	-1.774	-1.133	1.569	0.12	-4.26	-2.571	
			SU	-	-4.119	-3.188	-0.618	-	-4.26	-4.878	
UNII-7	143	6665	242T	61L	-1.377	-0.860	1.899	0.12	-4.38	-2.361	
				61U	-1.194	-0.695	2.073	0.12	-4.38	-2.187	
				64U	-1.476	-0.594	1.998	0.12	-4.38	-2.262	
			SU	-	-3.637	-2.837	-0.208	-	-4.38	-4.588	
	175	6825	242T	61L	-1.458	-0.786	1.901	0.12	-4.38	-2.359	
				61U	-1.007	-0.642	2.190	0.12	-4.38	-2.070	
				64U	-1.071	-0.701	2.128	0.12	-4.38	-2.132	
			SU	-	-3.680	-3.217	-0.432	-	-4.38	-4.812	
UNII-8	207	6985	242T	61L	-1.536	-0.779	1.869	0.12	-3.92	-1.931	
				61U	-1.124	-1.386	1.757	0.12	-3.92	-2.043	
				64U	-1.133	-0.546	2.181	0.12	-3.92	-1.619	
			SU	-	-4.227	-3.285	-0.720	-	-3.92	-4.640	

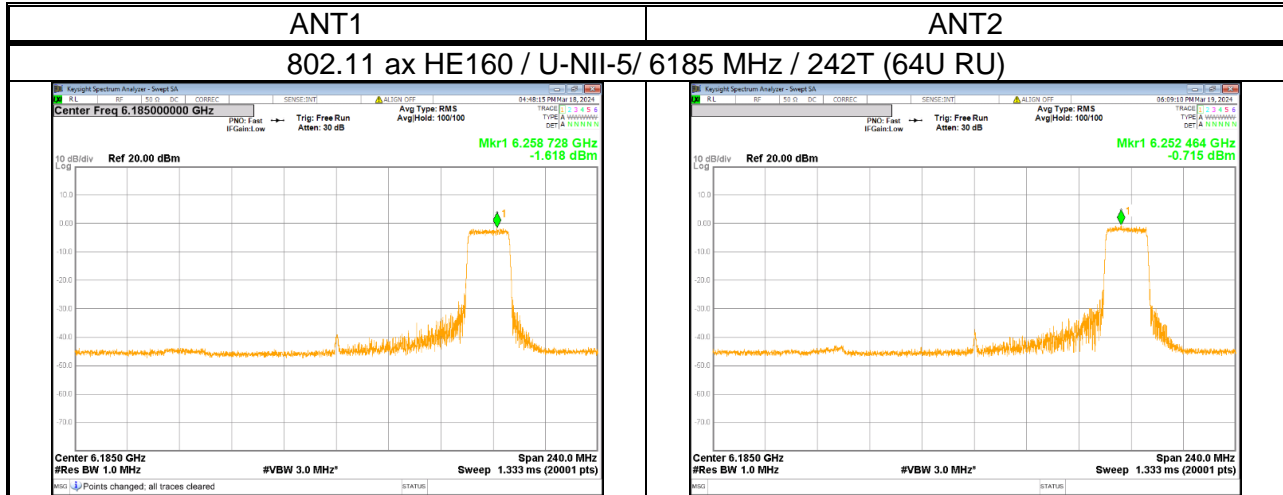
\* Corr'd PSD e.i.r.p = ANT1 Meas PSD + Ant2 Meas PSD + DCCF + Directional Gain  
 \* HE160 = HE80L + HE80U

**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

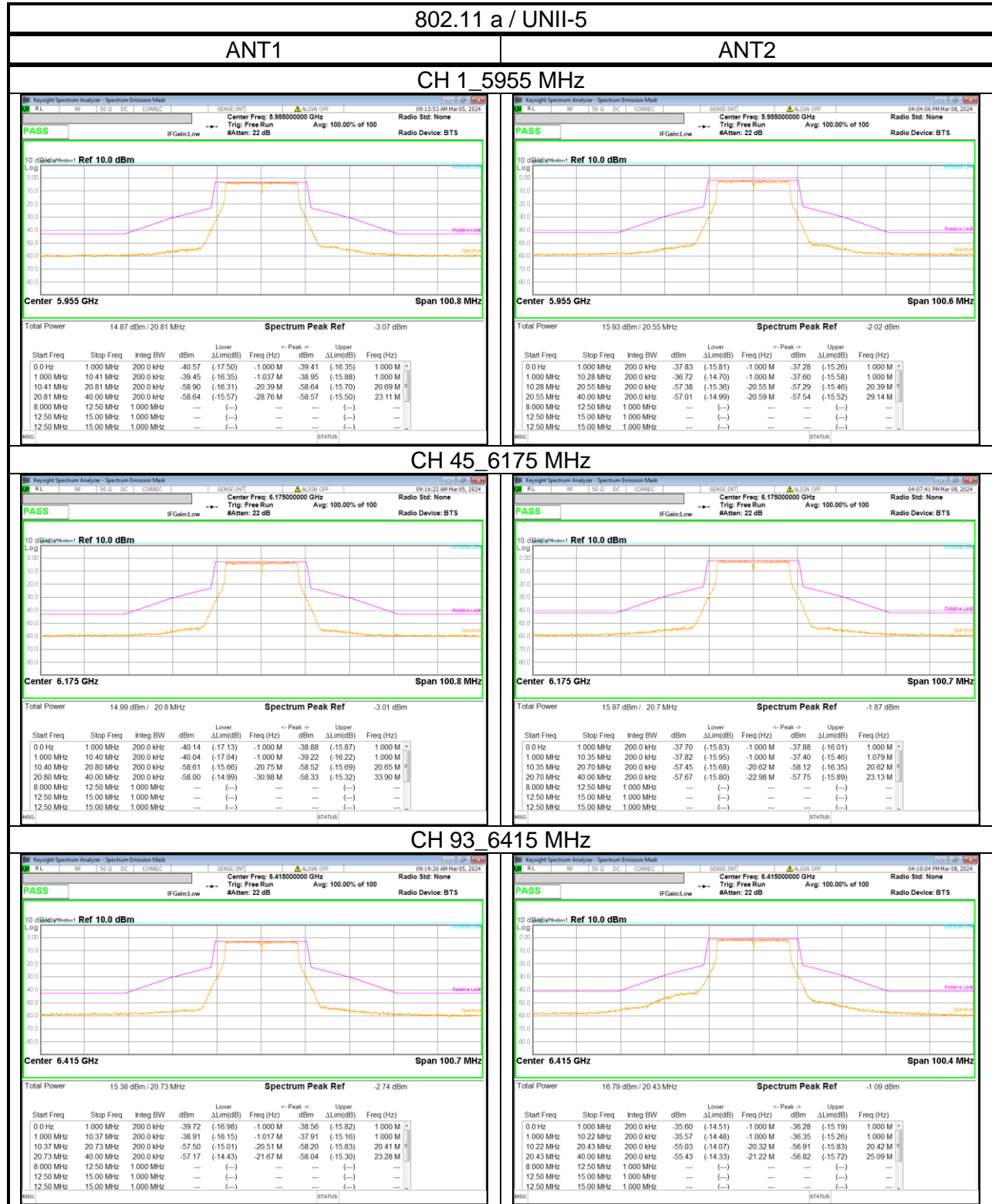
KDB 987594 D02

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

