

TEST REPORT

Report Number: 15496278-E12V1

Applicant : APPLE INC.
1 APPLE PARK WAY
CUPERTINO, CA 95014, U.S.A.

Model : A3519, A3520, A3521

Brand : APPLE

FCC ID : BCG-E8951A, BCG-E8952A, BCG-E8953A

EUT Description : SMARTPHONE

Test Standard(s) : FCC 47 CFR PART 15 SUBPART E

Date Of Issue:
2025-08-20

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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	2025-08-20	Initial Review	---

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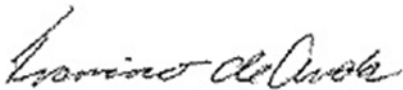
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1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	APPLE INC. 1 APPLE PARK WAY CUPERTINO, CA 95014, U.S.A.	
Model	A3519, A3520, A3521	
Brand	APPLE	
FCC ID	BCG-E8951A, BCG-E8952A, BCG-E8953A	
EUT Description	SMARTPHONE	
Serial Number	Radiated – CVHQR7JWM1, F32PQYMWJ6, KWD712FN6C, H0233MXH93 Conducted – J6HHH8001950000YAAQ, J6HHH60000W0000YAS, J6HHH5000T60000YAU, J6HHH50000Q0000WEZ, J6HHD0000DC0000YAR	
Sample Receipt Date	2025-04-16 to 2025-07-11	
Date Tested	2025-04-16 to 2025-08-20	
Applicable Standards	47 CFR Part 15 Subpart E	
Test Results	COMPLIES	
UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document.		
Approved & Released By:		Prepared & Reviewed By:
		
Francisco de Anda Staff Engineer UL Verification Services, Inc.		Chris Xiong Senior Test Engineer UL Verification Services, Inc.

2. TEST RESULT SUMMARY

This report contains data provided by the customer which can impact the validity of results. UL Verification Services Inc. is only responsible for correctly integrating customer-provided data with measurements performed by UL Verification Services Inc.

Below is a list of the data provided by the customer:

1. Antenna gain and type (see section 6.3)
2. Cable loss (see section 6.3)

Requirement Description	Requirement Clause Number (FCC)	Result	Comment
Duty Cycle	See Comment	Reporting purposes only	ANSI C63.10 Section 12.2
99% BW	§15.407 (a) (11) KDB 987594 D03 Q18	Compliant	ANSI C63.10 Section 6.9.3
26dB BW			
Output Power EIRP	§15.407 (a) (7), (8), (9)	Compliant	Dual Client
PSD EIRP	§15.407 (a) (7), (8), (9)	Compliant	Dual Client
Emissions Outside 5.925-7.125 GHz Band	§15.407 (b) (6)	Compliant	None
Emissions Within 5.925-7.125 GHz Band (Emissions Mask)	§15.407 (b) (7)	Compliant	None
Unwanted Emissions in Restricted Bands	§15.205	Compliant	None
Radiated Spurious Emissions	§15.209	Compliant	None
AC Mains Conducted Emissions	§15.207	Compliant	None
Transmit Power Control Mechanism	§15.407 (d) (10)	Compliant	Very Low Power Device

3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with:

- *ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024
- FCC 47 CFR Part 2
- FCC 47 CFR Part 15
- FCC KDB 414788 D01 Radiated Test Site
- FCC KDB 662911 D01 Multiple Transmitter Output
- FCC KDB 789033 D02 General UNII Test Procedures New Rules
- FCC KDB 987594 D01 General Requirements
- FCC KDB 987594 D02 EMC Measurement
- FCC KDB 484596 D01 Referencing Test Data

*Note: The use of ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 does not deviate from the testing procedures of ANSI C63.10-2020.

4. FACILITIES AND ACCREDITATION

UL Verification Services Inc. is accredited by A2LA, certification #0751.05, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
☒	Building 1: 47173 Benicia Street, Fremont, CA 94538, USA	US0104	2324A	550739
☒	Building 2: 47266 Benicia Street, Fremont, CA 94538, USA			
☒	Building 3: 843 Auburn Court, Fremont, CA 94538, USA			
☒	Building 4: 47658 Kato Rd, Fremont, CA 94538, USA			
☒	Building 5: 47670 Kato Rd, Fremont, CA 94538, USA			

5. DECISION RULES AND MEASUREMENT UNCERTAINTY

5.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

5.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	U _{Lab}
Conducted Antenna Port Emission Measurement	1.940 dB
Power Spectral Density	2.466 dB
Time Domain Measurements Using SA	3.39 %
RF Power Measurement Direct Method Using Power Meter	0.450 dB (Ave) 1.30 dB (Pk)
Radio Frequency (Spectrum Analyzer)	141.16 Hz
Occupied Bandwidth	1.22%
Worst Case Conducted Disturbance, 9KHz to 0.15 MHz	3.78 dB
Worst Case Conducted Disturbance, 0.15 to 30 MHz	3.40 dB
Worst Case Radiated Disturbance, 9KHz to 30 MHz	2.87 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	6.01 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.73 dB
Worst Case Radiated Disturbance, 18000 to 26000 MHz	4.51 dB
Worst Case Radiated Disturbance, 26000 to 40000 MHz	5.29 dB

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

5.4. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

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

$36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} = 28.9 \text{ dBuV/m}$

MAINS CONDUCTED EMISSIONS

Where relevant, the following sample calculation is provided:

Final Voltage (dBuV) = Measured Voltage (dBuV) + Cable Loss (dB) + Limiter Factor (dB) + LISN Insertion Loss.

$36.5 \text{ dBuV} + 0 \text{ dB} + 10.1 \text{ dB} + 0 \text{ dB} = 46.6 \text{ dBuV}$

6. EQUIPMENT UNDER TEST

6.1. EUT DESCRIPTION

The Apple iPhone is a smartphone with cellular GSM, GPRS, EGPRS, WCDMA, LTE, 5G NR1, IEEE 802.11a/b/g/n/ac/ax/be, Bluetooth (BT), Ultra-Wideband (UWB), Global Positioning System (GPS), Near-Field Communication (NFC), Narrow-Band (NB) UNII, 802.15.4, 802.15.4ab-Narrow Band (NB), Wireless Power Transfer (WPT) and Mobile Satellite Service (MSS) technologies. The rechargeable battery is not user accessible.

This report covers 6GHz band 802.11 a/ax/be Wifi radio.

6.1.1. EUT DEVICE CLASS

Dual Client	Equipment Class	U-NII Bands of Operation			
		5	6	7	8
Indoor Client	6CD	☒	☒	☒	☒
Standard Client	6CD	☒	☐	☒	☐
Very Low-Power Client	6VL	☒	☒	☒	☒

6.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum EIRP output power as follows:

6.2.1. LP

UNII-5 BAND

Frequency Range (MHz)	Mode	Output Power EIRP (dBm)	Output Power EIRP (mW)
UNII-5 Band, 1TX			
5975	802.11a	9.42	8.75
5955-6415		Covered by EHT20	
5955-6415	802.11be EHT20	9.43	8.77
5965-6405	802.11be EHT40	12.36	17.22
5985-6385	802.11be EHT80	15.18	32.96
6025-6345	802.11be EHT160	18.11	64.71
UNII-5 Band, 2TX			
5955-6415	802.11a	Covered by EHT20	
5955-6415	802.11be EHT20 CDD	6.41	4.38
5955-6415	802.11be EHT20 SDM	9.31	8.53
5965-6405	802.11be EHT40 CDD	9.35	8.61
5965-6405	802.11be EHT40 SDM	12.20	16.60
5985-6385	802.11be EHT80 CDD	12.33	17.10
5985-6385	802.11be EHT80 SDM	15.20	33.11
6025-6345	802.11be EHT160 CDD	15.23	33.34
6025-6345	802.11be EHT160 SDM	18.02	63.39

UNII-6 BAND

Frequency Range (MHz)	Mode	Output Power EIRP (dBm)	Output Power EIRP (mW)
UNII-6 Band, 1TX			
6435 - 6515	802.11a	Covered by EHT20	
6435 - 6515	802.11be EHT20	9.37	8.65
6445 - 6525	802.11be EHT40	12.28	16.90
6465	802.11be EHT80	15.17	32.89
6505	802.11be EHT160, Straddle Channel	18.01	63.24
UNII-6 Band, 2TX			
6435 - 6515	802.11a	Covered by EHT20	
6435 - 6515	802.11be EHT20 CDD	6.29	4.26
6435 - 6515	802.11be EHT20 SDM	9.18	8.28
6445 - 6525	802.11be EHT40 CDD	9.28	8.47
6445 - 6525	802.11be EHT40 SDM	12.15	16.41
6465	802.11be EHT80 CDD	12.08	16.14
6465	802.11be EHT80 SDM	14.98	31.48
6505	802.11be EHT160 CDD, Straddle Channel	14.91	30.97
6505	802.11be EHT160 SDM, Straddle Channel	17.89	61.52

UNII-7 BAND

Frequency Range (MHz)	Mode	Output Power EIRP (dBm)	Output Power EIRP (mW)
UNII-7 Band 1TX			
6535 - 6875	802.11a	Covered by EHT20	
6535 - 6875	802.11be EHT20	9.13	8.18
6565 - 6845	802.11be EHT40	11.96	15.70
6545 - 6865	802.11be EHT80	15.23	33.34
6665 - 6825	802.11be EHT160	18.03	63.53
UNII-7 Band 2TX			
6535-6875	802.11a	Covered by EHT20	
6535-6875	802.11be EHT20 CDD	6.11	4.08
6535-6875	802.11be EHT20 SDM	9.08	8.09
6565-6845	802.11be EHT40 CDD	9.01	7.96
6565-6845	802.11be EHT40 SDM	11.98	15.78
6545-6865	802.11be EHT80 CDD	12.30	16.98
6545-6865	802.11be EHT80 SDM	15.31	33.96
6665-6825	802.11be EHT160 CDD	15.01	31.70
6665-6825	802.11be EHT160 SDM	17.94	62.23

UNII-8 BAND

Frequency Range (MHz)	Mode	Output Power EIRP (dBm)	Output Power EIRP (mW)
UNII-8 Band 1TX			
6895-7095	802.11a	9.38	8.67
7115		-6.24	0.24
6895-7095	802.11be EHT20	9.51	8.93
6885-7085	802.11be EHT40	12.32	17.06
6945-7025	802.11be EHT80	15.43	34.91
6985	802.11be EHT160	18.24	66.68
UNII-8 Band 2TX			
6895-7095	802.11a	Covered by EHT20	
7115		-5.07	0.31
6895-7095	802.11be EHT20 CDD	6.18	4.15
6895-7095	802.11be EHT20 SDM	9.19	8.30
6885-7085	802.11be EHT40 CDD	9.29	8.49
6885-7085	802.11be EHT40 SDM	12.27	16.87
6945-7025	802.11be EHT80 CDD	12.19	16.56
6945-7025	802.11be EHT80 SDM	15.16	32.81
6985	802.11be EHT160 CDD	14.98	31.48
6985	802.11be EHT160 SDM	17.93	62.09

6.2.2. SP**UNII-5 BAND**

Frequency Range (MHz)	Mode	Output Power EIRP (dBm)	Output Power EIRP (mW)
UNII-5 Band 1TX			
5955-6415	802.11be EHT20	20.91	123.31
5965-6405	802.11be EHT40	20.89	122.74
5985-6385	802.11be EHT80	20.91	123.31
6025-6345	802.11be EHT160	20.94	124.17
UNII-5 Band 2TX			
5955-6415	802.11be EHT20 CDD	21.40	138.04
5955-6415	802.11be EHT20 SDM	21.43	139.00
5965-6405	802.11be EHT40 CDD	21.42	138.68
5955-6405	802.11be EHT40 SDM	21.40	138.04
5985-6385	802.11be EHT80 CDD	21.46	139.96
5985-6385	802.11be EHT80 SDM	21.39	137.72
6025-6345	802.11be EHT160 CDD	21.45	139.64
6025-6345	802.11be EHT160 SDM	21.38	137.40

UNII-7 BAND

Frequency Range (MHz)	Mode	Output Power EIRP (dBm)	Output Power EIRP (mW)
UNII-7 Band 1TX			
6535-6855	802.11be EHT20	19.07	80.72
6565-6845	802.11be EHT40	19.06	80.54
6625-6785	802.11be EHT80	19.06	80.54
6665	802.11be EHT160	19.00	79.43
UNII-7 Band 2TX			
6535-6855	802.11be EHT20 CDD	21.75	149.62
6535-6855	802.11be EHT20 SDM	21.73	148.94
6565-6845	802.11be EHT40 CDD	21.70	147.91
6565-6845	802.11be EHT40 SDM	21.68	147.23
6625-6785	802.11be EHT80 CDD	21.72	148.59
6625-6785	802.11be EHT80 SDM	21.72	148.59
6665	802.11be EHT160 CDD	21.70	147.91
6665	802.11be EHT160 SDM	21.73	148.94

6.2.3. VLP**UNII-5 BAND**

Frequency Range (MHz)	Mode	Output Power EIRP (dBm)	Output Power EIRP (mW)
UNII-5 Band 1TX			
6115-6415	802.11a	Covered by EHT20	
6115-6415	802.11be EHT20	5.42	3.48
6125-6405	802.11be EHT40	8.21	6.62
6145-6385	802.11be EHT80	11.22	13.24
6185-6345	802.11be EHT160	12.93	19.63
UNII-5 Band 2TX			
6115-6415	802.11a	Covered by EHT20	
6115-6415	802.11be EHT20 CDD	2.37	1.73
6115-6415	802.11be EHT20 SDM	5.28	3.37
6125-6405	802.11be EHT40 CDD	5.31	3.40
6125-6405	802.11be EHT40 SDM	8.20	6.61
6145-6385	802.11be EHT80 CDD	8.30	6.76
6145-6385	802.11be EHT80 SDM	11.19	13.15
6185-6345	802.11be EHT160 CDD	11.21	13.21
6185-6345	802.11be EHT160 SDM	12.90	19.50

UNII-6 BAND

Frequency Range (MHz)	Mode	Output Power EIRP (dBm)	Output Power EIRP (mW)
UNII-6 Band 1TX			
6435 - 6515	802.11a	Covered by EHT20	
6435 - 6515	802.11be EHT20	5.37	3.44
6445 - 6525	802.11be EHT40	8.28	6.73
6465	802.11be EHT80	11.14	13.00
6505	802.11be EHT160, Straddle Channel	12.88	19.41
UNII-6 Band 2TX			
6435 - 6515	802.11a mode 20MHz	Covered by EHT20	
6435 - 6515	802.11be EHT20 CDD	2.32	1.71
6435 - 6515	802.11be EHT20 SDM	5.18	3.30
6445 - 6525	802.11be EHT40 CDD	5.28	3.37
6445 - 6525	802.11be EHT40 SDM	8.18	6.58
6465	802.11be EHT80 CDD	8.05	6.38
6465	802.11be EHT80 SDM	10.98	12.53
6505	802.11be EHT160 CDD, Straddle Channel	10.91	12.33
6505	802.11be EHT160 SDM, Straddle Channel	12.89	19.45

UNII-7 BAND

Frequency Range (MHz)	Mode	Output Power EIRP (dBm)	Output Power EIRP (mW)
UNII-7 Band 1TX			
6535-6875	802.11a	Covered by EHT20	
6535-6875	802.11be EHT20	5.13	3.26
6565-6845	802.11be EHT40	7.94	6.22
6625-6785	802.11be EHT80	11.23	13.27
6665	802.11be EHT160	12.83	19.19
UNII-7 Band 2TX			
6535-6875	802.11a	Covered by EHT20	
6535-6875	802.11be EHT20 CDD	2.08	1.61
6535-6875	802.11be EHT20 SDM	5.02	3.18
6565-6845	802.11be EHT40 CDD	5.00	3.16
6565-6845	802.11be EHT40 SDM	8.00	6.31
6625-6785	802.11be EHT80 CDD	8.27	6.71
6625-6785	802.11be EHT80 SDM	11.28	13.43
6665	802.11be EHT160 CDD	10.99	12.56
6665	802.11be EHT160 SDM	12.90	19.50

UNII-8 BAND

Frequency Range (MHz)	Mode	Output Power EIRP (dBm)	Output Power EIRP (mW)
UNII-8 Band 1TX			
6895-7095	802.11a	5.37	3.44
7115		-6.26	0.24
6895-7095	802.11be EHT20	5.50	3.55
6885-7085	802.11be EHT40	8.32	6.79
6945-7025	802.11be EHT80	11.40	13.80
6985	802.11be EHT160	12.96	19.77
UNII-8 Band 2TX			
6895-7095	802.11a	Covered by EHT20	
7115		-5.09	0.31
6895-7095	802.11be EHT20 CDD	2.20	1.66
6895-7115	802.11be EHT20 SDM	5.17	3.29
6885-7085	802.11be EHT40 CDD	5.27	3.37
6885-7085	802.11be EHT40 SDM	8.29	6.75
6945-7025	802.11be EHT80 CDD	8.21	6.62
6945-7025	802.11be EHT80 SDM	11.20	13.18
6985	802.11be EHT160 CDD	10.92	12.36
6985	802.11be EHT160 SDM	12.87	19.36

6.3. DESCRIPTION OF AVAILABLE ANTENNAS AND CABLE LOSS

The antenna(s) gain and type, cable loss as provided by the manufacturer are as follows:

Antenna Type is PIFA.

Frequency Range (MHz)	Sub-band (MHz)	Antenna 6 (dBi)	Antenna 5 (dBi)	Uncorrelated Chains (dBi)	Correlated Chains (dBi)
5925 - 6425 UNII-5	Sub-band 1 (5955 - 6095)	0.40	-2.40	-0.78	2.12
	Sub-band 2 (6115 - 6255)	1.50	-2.40	-0.03	2.78
	Sub-band 3 (6275 - 6415)	1.20	-2.40	-0.24	2.60
6425 - 6525 UNII-6	N/A	0.50	-2.00	-0.57	2.35
UNII-6/7 (Straddle Channel)	N/A	0.50	0.60	0.55	3.56
6525 - 6875 UNII-7	N/A	-0.10	0.60	0.26	3.27
UNII-7/8 (Straddle Channel)	N/A	-0.10	0.60	0.26	3.27
6875 - 7125 UNII-8	N/A	-0.70	-2.60	-1.55	1.41

Note: Antenna C0 and Antenna C1 indicated in the power tune-up document pertain to ANT 6 and ANT 5 of this report respectively.

Cable Loss		
Frequency Range (MHz)	Antenna 6 (dBi)	Antenna 5 (dBi)
5925 - 6425	2.60	2.93
6425 - 6525	2.66	3.22
6525 - 6875	2.73	3.27
6875 - 7125	2.79	3.15

The cables were used for RF antenna port tests that had been offset to the test equipment during testing.

6.4. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing is 23A258.

6.5.WORST-CASE CONFIGURATION AND MODE

This device is classified as dual client and programmed with three output power levels: indoor client mode (LP), standard client mode (SP), and very low-power client mode (VLP).

For RF conducted tests, all three output power levels have been tested with SISO and 2TX CDD and SDM MIMO modes.

The 802.11a/axmode (except for 11a LP channels 5, 189, 209 and VLP channels 189, 209) are covered by the 802.11be mode since the target power of 802.11a/ax mode is equal or lower than 802.11be mode, and the data rate of 802.11be mode is higher than 802.11a/ax mode. The modulation and bandwidth of 802.11ax and 802.11be modes are similar at 20 MHz, 40 MHz, 80 MHz and 160 MHz. Thus, 802.11be mode was tested to represent worst-case, except for UNII-8 Channel 233. The frequency 7115MHz supports 11a mode only per client.

With the same power on Full RU and SU higher data rates, investigations were performed on both for band edge to determine the worst case, and SU mode was determined to be the worst case.

After investigation on data rate, the following test item was performed using the worst data rate.

- Conducted test: 6Mbps, MCS0
- Radiated bandedge: 54Mbps, MCS11
- Radiated spurious emission: 6Mbps, MCS0

Radiated was performed at Dual client and VLP modes. For Dual client mode, the higher of the LP and SP power levels were used for testing. The fundamentals of the EUT were investigated in three orthogonal orientations: X,Y and Z. The following table exhibits the worst-case orientation. The full tests of the EUT have been made upon the orientations shown in the table below.

Band	ANT 6	ANT 5	ANT 6+5
6GHz	Z - Portrait	Z - Portrait	Y - Landscape

Radiated emissions below 1GHz, above 18GHz, and power line conducted emissions were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario. There were no emissions found below 30MHz within 20dB of the limit.

Radiated harmonics spurious below 1GHz, 1-18GHz L/M/H channels, 18-26GHz, 26-40GHz and power line conducted emissions were performed with the EUT set at the 2TX CDD mode among the CDD/SDM modes with power setting equal or higher than SISO modes as worst-case scenario.

Below 1GHz tests were performed with EUT connected to AC power adapter as the worst case; and for above 1GHz tests, the worst-case configuration reported was with EUT only. For AC line conducted emission, test was investigated with AC power adapter and with laptop.

Radiated spurious emissions were investigated on low, mid, and high RU indexes. There was no difference between the three indexes, therefore the low RU index was used to represent all test cases. Both LP/SP radiated spurious emissions were noise floor only, so LP Partial RU modes were used to represent both LP/SP.

After the investigation, the tables below list the worst-case modes of power and PSD for final conducted test.

6.5.1. LP

BW (MHz)	Tone (T)	RU Index	Worst Case Tone (UNII-5 SISO)		Worst Case Tone (UNII-5 MIMO)		Worst Case Tone (UNII-6 SISO)		Worst Case Tone (UNII-6 MIMO)		Worst Case Tone (UNII-7 SISO)		Worst Case Tone (UNII-7 MIMO)		Worst Case Tone (UNII-8 SISO)		Worst Case Tone (UNII-8 MIMO)	
			Power	PSD	Power	PSD	Power	PSD	Power	PSD	Power	PSD	Power	PSD	Power	PSD	Power	PSD
20	26	0 ~ 8																
	52	37 ~ 40																
	52 + 26	70 ~ 81						X										
	106	53 ~ 54								X			X					
	106 + 26	82 ~ 89		X		X								X		X		X
	242	61																
	SU	--	X		X		X		X		X		X		X		X	
40	26	0 ~ 17																
	52	37 ~ 44				X				X			X					
	52 + 26	70 ~ 81														X		
	106	53 ~ 56												X				X
	106 + 26	82 ~ 89		X				X										
	242	61 ~ 61																
	484	65																
	SU	--	X		X		X		X		X		X		X		X	
80	26	0 ~ 36																
	52	37 ~ 52												X				
	52 + 26	70 ~ 81																
	106	53 ~ 60										X						
	106 + 26	82 ~ 89																X
	242	61 ~ 64																
	484	65 ~ 66		X		X		X		X						X		
	484 + 242	90, 91, 92, 93																
	996	67																
	SU	--	X		X		X		X		X		X		X		X	
160	26	0 ~ S36																
	52	37 ~ S52																
	52 + 26	70 ~ S81																
	106	53 ~ S60																
	106 + 26	82 ~ 89				X		X		X				X				X
	242	61 ~ S64																
	484	65 ~ S66		X												X		
	484 + 242	sb0: 90, 91, 92, 93																
	996	67 ~ S67										X						
	996 + 484	sb0: 94, 95 sb1: 94, 95																
	996 + 484 + 242	sb0: 96, 97, 98, 99																
	996x2	S68																
	SU	--	X		X		X		X		X		X		X		X	

6.5.2. SP

BW (MHz)	Tone (T)	RU Index	Worst Case Tone (UNII-5 SISO)		Worst Case Tone (UNII-5 MIMO)		Worst Case Tone (UNII-7 SISO)		Worst Case Tone (UNII-7 MIMO)	
			Power	PSD	Power	PSD	Power	PSD	Power	PSD
20	26	0 ~ 8		X				X		
	52	37 ~ 40				X				
	52 + 26	70 ~ 81								X
	106	53 ~ 54								
	106 + 26	82 ~ 89								
	242	61								
	SU	--	X		X		X		X	
40	26	0 ~ 17		X		X		X		X
	52	37 ~ 44								
	52 + 26	70 ~ 81								
	106	53 ~ 56								
	106 + 26	82 ~ 89								
	242	61 ~ 61								
	484	65								
	SU	--	X		X		X		X	
80	26	0 ~ 36		X				X		
	52	37 ~ 52				X				X
	52 + 26	70 ~ 81								
	106	53 ~ 60								
	106 + 26	82 ~ 89								
	242	61 ~ 64								
	484	65 ~ 66								
	484 + 242	90, 91, 92, 93								
	996	67								
	SU	--	X		X		X		X	
160	26	0 ~ S36		X				X		
	52	37 ~ S52				X				
	52 + 26	70 ~ S81								
	106	53 ~ S60								X
	106 + 26	82 ~ 89								
	242	61 ~ S64								
	484	65 ~ S66								
	484 + 242	sb0: 90, 91, 92, 93								
	996	67 ~ S67								
	996 + 484	sb0: 94, 95 sb1: 94, 95								
	996 + 484 + 242	sb0: 96, 97, 98, 99								
	996x2	S68								
	SU	--	X		X		X		X	

6.5.3. VLP

BW (MHz)	Tone (T)	RU Index	Worst Case Tone (UNII-5 SISO)		Worst Case Tone (UNII-5 MIMO)		Worst Case Tone (UNII-6 SISO)		Worst Case Tone (UNII-6 MIMO)		Worst Case Tone (UNII-7 SISO)		Worst Case Tone (UNII-7 MIMO)		Worst Case Tone (UNII-8 SISO)		Worst Case Tone (UNII-8 MIMO)	
			Power	PSD	Power	PSD	Power	PSD	Power	PSD	Power	PSD	Power	PSD	Power	PSD	Power	PSD
20	26	0 ~ 8																
	52	37 ~ 40																
	52 + 26	70 ~ 81							X									
	106	53 ~ 54					X				X							
	106 + 26	82 ~ 89		X		X							X		X		X	
	242	61																
	SU	--	X		X		X		X		X		X		X		X	
40	26	0 ~ 17																
	52	37 ~ 44					X											
	52 + 26	70 ~ 81																
	106	53 ~ 56									X		X		X			
	106 + 26	82 ~ 89		X		X												
	242	61 ~ 61							X									X
	484	65																
	SU	--	X		X		X		X		X		X		X		X	
80	26	0 ~ 36																
	52	37 ~ 52																
	52 + 26	70 ~ 81																
	106	53 ~ 60					X											
	106 + 26	82 ~ 89									X							
	242	61 ~ 64							X									
	484	65 ~ 66		X		X									X			
	484 + 242	90, 91, 92, 93											X					X
	996	67																
	SU	--	X		X		X		X		X		X		X		X	
160	26	0 ~ S36																
	52	37 ~ S52																
	52 + 26	70 ~ S81																
	106	53 ~ S60																
	106 + 26	82 ~ 89																
	242	61 ~ S64																
	484	65 ~ S66		X		X												
	484 + 242	sb0: 90, 91, 92, 93																
	996	67 ~ S67							X		X				X			
	996 + 484	sb0: 94, 95 sb1: 94, 95					X						X					X
	996 + 484 + 242	sb0: 96, 97, 98, 99																
	996x2	S68																
	SU	--	X		X		X		X		X		X		X		X	

6.5.4. REUSE STATEMENT AND COMPARISON TABLE

The ANT 5 gain is identical between reference model A3258 (FCC ID: BCG-E8947A) and variant models A3519 (FCC ID: BCG-E8951A), A3520 (FCC ID: BCG-E8952A), A3521 (FCC ID: BCG-E8953A). The ANT 6 gain increased in variant models. Therefore, radiated tests for SISO mode ANT6 and MIMO modes are retested.

Output power for SISO mode ANT 5 is identical between reference model and variant models. For SISO mode ANT6 and MIMO mode, some powers are the same while others are different as shown in the tables below. Conducted data are reused for those marked with same output power levels, EIRP power has been recalculated to account for the change in antenna gain for these variants. AC powerline conducted emissions and below 1GHz which after investigation, there was no significant difference emissions readings between reference model and variant models, data is reused from reference model for variants models.

Spotchecks to verify output power is the same for the variant models compared reference model and spot check on bandedge performed on worst margin channel and 1GHz to 18GHz spurious emissions performed on channel from each UNII bands are included in Appendix A.

Dual client test and VLP TPC test data were also reused from reference model since antenna gain changes are small and do not impact these results given the large margins of compliance.

The table below compares output power between reference model and variant models.

**Data reused from reference model has been applied to variant models due to identical power.*

BANDS (LP)	REFERENCE AND VARIANT OUTPUT POWER COMPARISON			
	SISO a/ HE/EHT All Rates		2Tx CDD HE/EHT All Rates	2Tx SDM HE/EHT All Rates
	ANT6	ANT5	ANT6, ANT5	ANT6, ANT5
UNII-5	DIFFERENT	*SAME	DIFFERENT	DIFFERENT
UNII-6	DIFFERENT	*SAME	DIFFERENT	DIFFERENT
UNII-7	DIFFERENT	*SAME	*SAME (EXCEPT CH 119 - DIFFERENT)	*SAME (EXCEPT CH 119 - DIFFERENT)
UNII-8	*SAME (EXCEPT CH 187 - DIFFERENT)	*SAME	*SAME	*SAME
UNII-8 (a mode 7115MHz)	*SAME	*SAME	*SAME	NOT SUPPORTED

BANDS (SP)	REFERENCE AND VARIANT OUTPUT POWER COMPARISON			
	SISO a/ HE/EHT All Rates		2Tx CDD HE/EHT All Rates	2Tx SDM HE/EHT All Rates
	ANT6	ANT5	ANT6, ANT5	ANT6, ANT5
UNII-5	RU - DIFFERENT	*SAME	RU - DIFFERENT	RU - DIFFERENT
	SU - *SAME		SU - *SAME	SU - *SAME (CH 1, 7, 15 - RU/SU *SAME)
UNII-7	RU - DIFFERENT	*SAME	*SAME	*SAME
	SU - *SAME		(EXCEPT CH 119 - RU DIFFERENT)	(EXCEPT CH 119 - RU DIFFERENT)

BANDS (VLP)	REFERENCE AND VARIANT OUTPUT POWER COMPARISON			
	SISO a/ HE/EHT All Rates		2Tx CDD HE/EHT All Rates	2Tx SDM HE/EHT All Rates
	ANT6	ANT5	ANT6, ANT5	ANT6, ANT5
UNII-5	DIFFERENT	*SAME	DIFFERENT	DIFFERENT
UNII-6	DIFFERENT	*SAME	DIFFERENT	DIFFERENT
			(EXCEPT CH 115 242T - *SAME)	(EXCEPT CH 115 242T - *SAME)
UNII-7	DIFFERENT	*SAME	*SAME	*SAME
			(EXCEPT CH 119 - DIFFERENT)	(EXCEPT CH 119 - DIFFERENT)
UNII-8	*SAME (EXCEPT CH 187 - DIFFERENT)	*SAME	*SAME	*SAME
UNII-8 (a mode 7115MHz)	*SAME	*SAME	*SAME	NOT SUPPORTED

6.6. DESCRIPTION OF TEST SETUP

SUPPORT TEST EQUIPMENT				
Description	Manufacturer	Model	Serial Number	FCC ID/DoC
Laptop	Apple	A2338	FVFDRD40Q05F	BCGA2338
Laptop AC/DC adapter	Apple	A1718	C4H749207RMGN8RAT	DoC
EUT AC/DC adapter	Apple	A2305	F162163404UPM0685	DoC
Conducted Switch Box	UL	CSB	254476	N/A
10dB Fixed Attenuator, Up to 26GHz	Pasternack Enterprises	PE7087-10	236285	N/A
Companion Device	Apple	iPhone	VALK-CRBNE1_1NY1BC1	N/A

I/O CABLES (RF CONDUCTED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	SMA	1	SMA	Shielded	0.20	To spectrum Analyzer
2	Antenna	2	SMA	Shielded	0.20	EUT to Switchbox
3	USB-C	1	USB-C	Shielded	1.00	N/A
4	DC	1	DC	Shielded	2.00	N/A
5	Antenna	1	SMA	Shielded	0.10	EUT to Analyzer

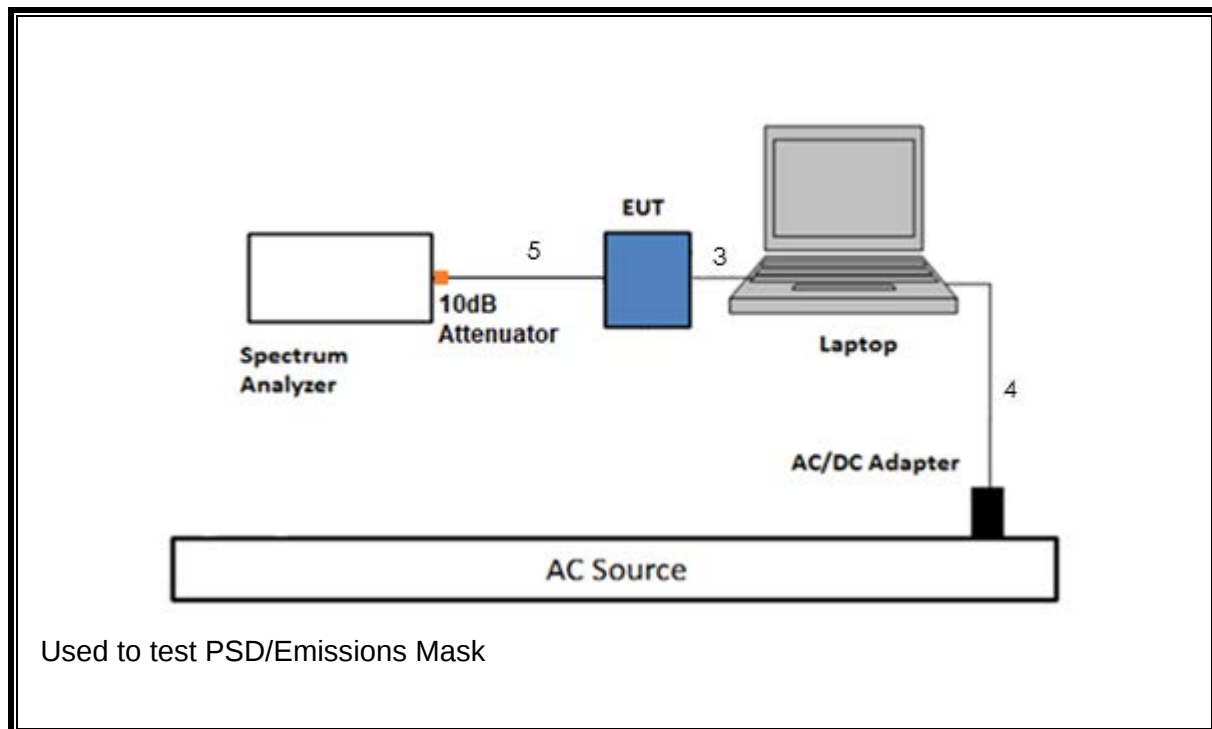
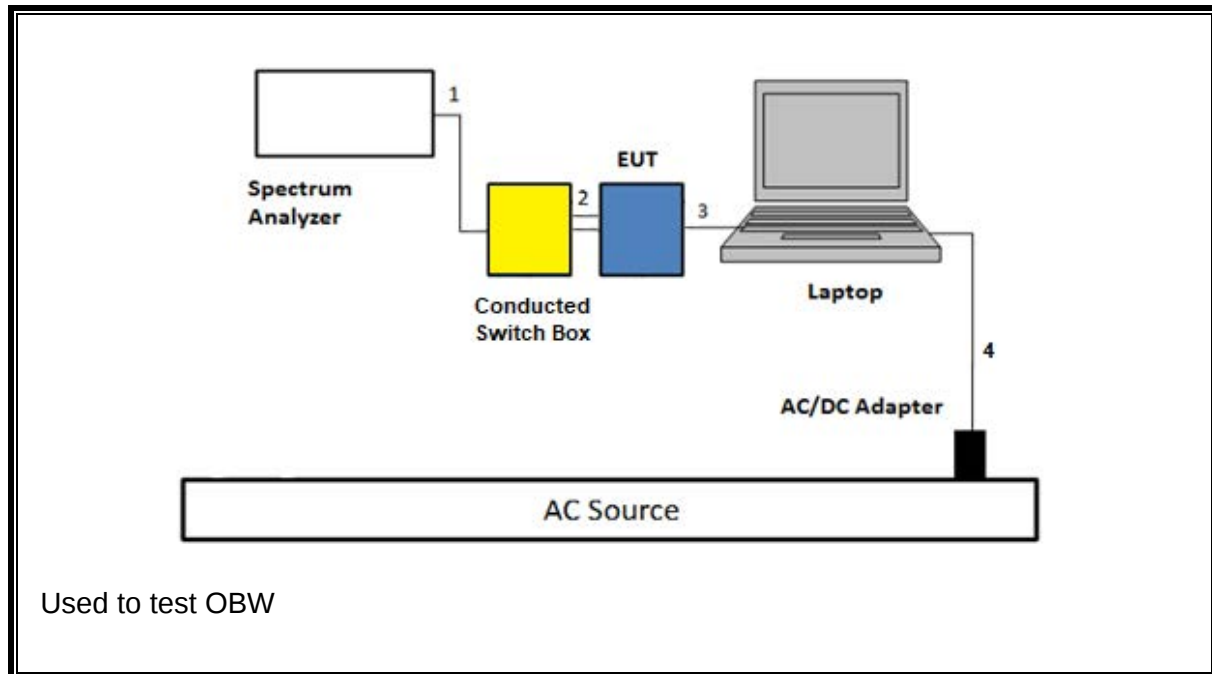
I/O CABLES (RF RADIATED AND AC LINE CONDUCTED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC	1	DC	Shielded	2.00	N/A
2	USB	1	USB-C	Shielded	1.00	N/A

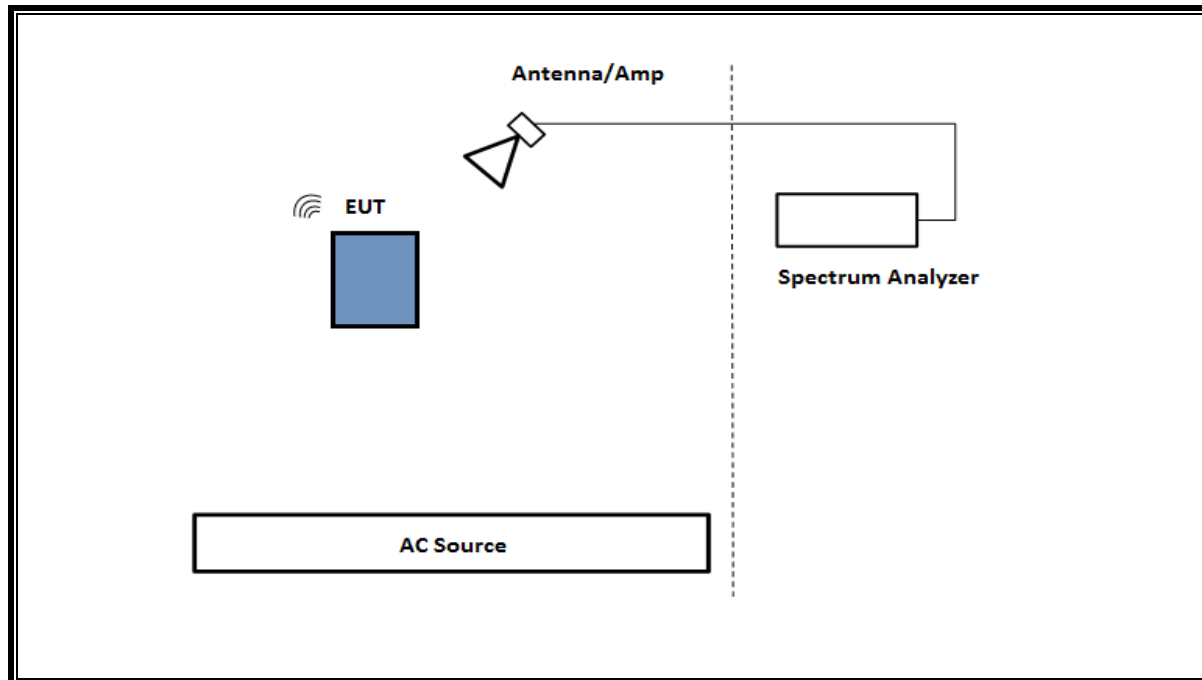
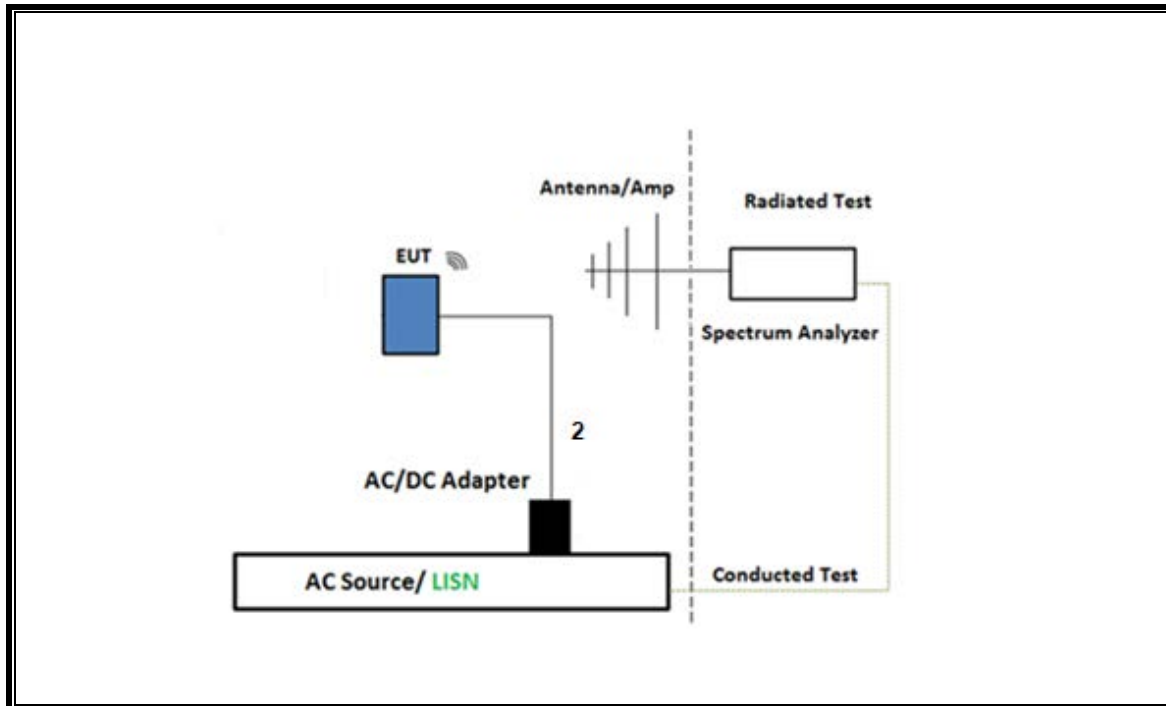
I/O CABLES (DUAL CLIENT TEST/ CLIENT DEVICE - POWER ADJUSTMENT)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	AC	3	AC	Un-shielded	2.00	N/A
2	SMA	6	SMA	Shielded	0.75	To PXA/Power Meter/Coupler/CMX 500
3	USB	1	USB-C	Shielded	1.00	N/A

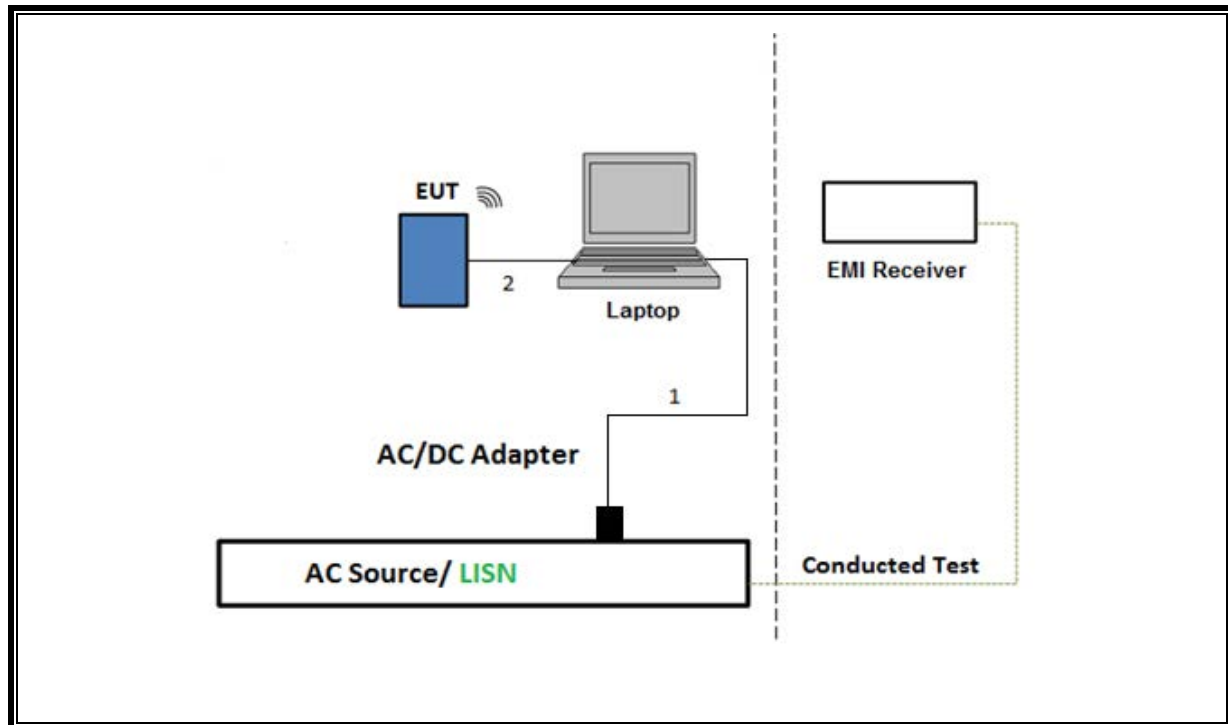
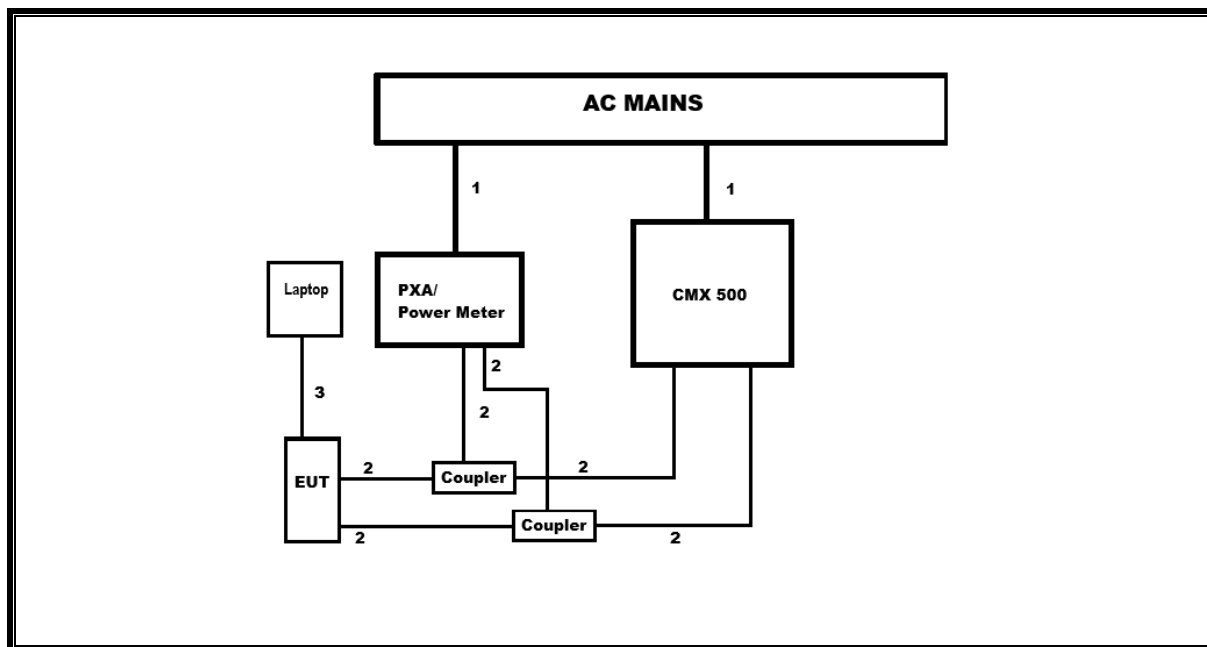
I/O CABLES (VLP TPC TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	AC	1	2-Prong	Un-shielded	1.00	DC to AC Mains
2	DC	1	DC	Shielded	1.50	To Laptop
3	USB-C	1	USB-C	Shielded	1.00	N/A
4	SMA	4	SMA	Shielded	0.75	To PXA, coupler, step attenuator and companion device

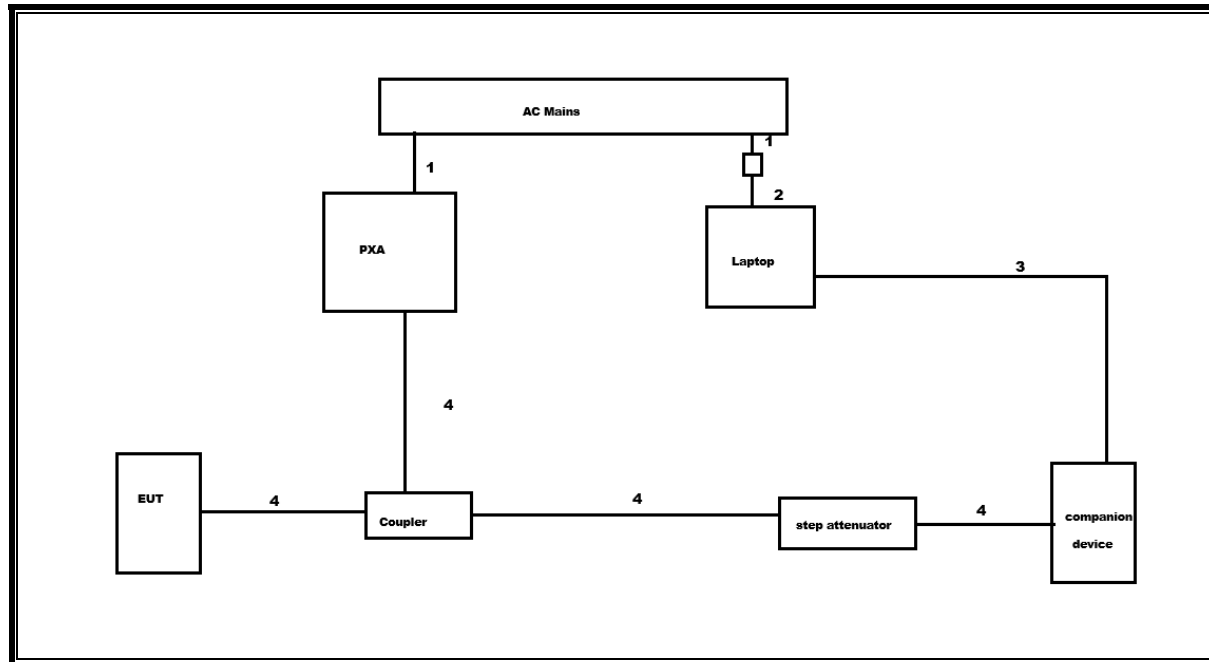
TEST SETUP

The EUT setup is shown as below. Test software exercised the radio card.

SETUP DIAGRAM FOR CONDUCTED TESTS

SETUP DIAGRAM FOR RADIATED TESTS Above 1 GHz**SETUP DIAGRAM FOR Below 1GHz and AC LINE CONDUCTED TEST**

TEST SETUP- AC LINE CONDUCTED: LAPTOP CONFIGURATION**DUAL CLIENT TEST/ CLIENT DEVICE - POWER ADJUSTMENT**

VLP SETUP DIAGRAM FOR TPC TEST

Note: For TCP test, companion device is same device type and model as the EUT and is used to establish a peer-to-peer link.

7. MEASUREMENT METHOD

TEST ITEM	TEST METHOD
On Time and Duty Cycle	KDB 789033 D02, Section II - B
26 dB Emission BW	KDB 789033 D02, Section II - C.1
99% Occupied BW	KDB 789033 D02, Section II - D
Conducted Output Power	KDB 789033 D02, Section II - E.3.b
Power Spectral Density	KDB 789033 D02, Section II - F
Spurious emissions within 5.925-7.125 GHz Band (Emissions Mask)	KDB 987594 D02, EMC Measurement, Section II - J
Unwanted Emissions in Restricted Bands	KDB 789033 D02, Sections II - G.3, G.4, G.5, and G.6
Unwanted Emissions in Non-Restricted Bands	KDB 789033 D02, Sections II - G.3, G.4, and G.5
AC Power Line Conducted Emissions	ANSI C63.10, Section 6.2
Radiated Spurious Emissions Below 30MHz	ANSI C63.10, Section 6.4

8. TEST AND MEASUREMENT EQUIPMENT

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

TEST EQUIPMENT LIST				
Description	Manufacturer	Model	ID Num	Cal Due
EMI Test Receiver	Rohde & Schwarz	ESW44	169937	2026-02-28
Antenna, Passive Loop 100KHz - 30MHz	ELECTRO-METRICS	EM-6872	170016	2026-11-30
Antenna, Passive Loop 30Hz - 1MHz	ELECTRO-METRICS	EM-6871	170014	2026-11-30
Amplifier, 9KHz to 1GHz, 32dB	SONOMA INSTRUMENT	310N	170649	2026-01-31
EMI Test Receiver	Rohde & Schwarz	ESW44	225683	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	226674	2027-03-31
RF Filter Box, 1-18GHz	UL-FR1	RATS 1.0	250156	2025-10-31
EMI Test Receiver	Rohde & Schwarz	ESW44	191428	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	84796	2026-10-31
RF Filter Box, 1-18GHz	UL-FR1	Frankenstein	230878	2026-05-31
EMI Test Receiver	Rohde & Schwarz	ESW44	169933	2026-02-28
Antenna, Broadband Hybrid 30 MHz - 2 or 3 GHz	Sunol Sciences Corp.	JB3	80813	2026-06-30
Amplifier 9 KHz - 1 GHz	SONOMA INSTRUMENT	310N	230311	2026-05-31
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	226673	2026-02-28
RF Filter Box, 1-18GHz	UL-FR1	Frankenstein	231874	2026-06-30
EMI Test Receiver	Rohde & Schwarz	ESW44	170063	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	223084	2026-12-31
RF Filter Box, 1-18GHz	UL-FR1	Frankenstein	231875	2025-11-31
EMI Test Receiver	Rohde & Schwarz	ESW44	235670	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	84797	2026-10-31
RF Filter Box, 1-18GHz	UL-FR1	UL RATS 2.0	225079	2026-05-31
EMI Test Receiver	Rohde & Schwarz	ESW44	201497	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	222740	2026-09-30
RF Filter Box, 1-18GHz	UL-FR1	Silver Box	171389	2026-03-31
EMI Test Receiver	Rohde & Schwarz	ESW44	245268	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	80707	2026-06-30
RF Filter Box, 1-18GHz	UL-FR1	Silver Box	PRE0181597	2026-03-31
EMI Test Receiver	Rohde & Schwarz	ESW44	230548	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	80402	2025-08-31
RF Filter Box, 1-18GHz	UL-FR1	Frankenstein	216812	2026-06-30
EMI Test Receiver	Rohde & Schwarz	ESW44	223460	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	80403	2026-08-31
RF Filter Box, 1-18GHz	UL-FR1	RATS 2.0	236726	2025-10-31
EMI Test Receiver	Rohde & Schwarz	ESW44	223459	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	226672	2026-02-29
RF Filter Box, 1-18GHz	UL-FR1	Frankenstein	231876	2026-04-30
EMI Test Receiver	Rohde & Schwarz	ESW44	201501	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	230300	2027-03-31
RF Filter Box, 1-18GHz	UL-FR1	RATS 2.0	225474	2026-05-31
EMI Test Receiver	Rohde & Schwarz	ESW44	201498	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	81887	2027-03-31
RF Filter Box, 1-18GHz	UL-FR1	RATS 2.0	225575	2025-11-30
EMI Test Receiver	Rohde & Schwarz	ESW44	226078	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	80404	2025-08-31
RF Filter Box, 1-18GHz	UL-FR1	RATS 2.0	226781	2026-05-31
EMI Test Receiver	Rohde & Schwarz	ESW44	226079	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	230299	2027-02-28
RF Filter Box, 1-18GHz	UL-FR1	RATS 2.0	226780	2026-05-31

Description	Manufacturer	Model	ID Num	Cal Due
EMI Test Receiver	Rohde & Schwarz	ESW44	169927	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	41112	2026-10-31
RF Filter Box, 1-18GHz	UL-FR1	RATS 3.1	243707	2026-04-30
EMI Test Receiver	Rohde & Schwarz	ESW44	169936	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	200897	2026-04-30
RF Filter Box, 1-18GHz	UL-FR1	Frankenstein	235614	2026-01-31
EMI Test Receiver	Rohde & Schwarz	ESW44	223461	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	222741	2025-09-30
RF Filter Box, 1-18GHz	UL-FR1	Frankenstein	217521	2025-08-31
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	85214	2026-01-31
Conducted Switch box	N/A	CSB	254476	2025-10-31
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	80396	2026-01-31
Conducted Switch Box	N/A	CSB	246773	2026-06-30
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	125178	2026-01-31
Conducted Switch Box	N/A	CSB	245781	2026-04-30
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	85201	2026-01-31
Conducted Switch Box	N/A	CSB	245262	2026-04-30
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A-544	90238	2025-07-31*
Conducted Switch Box	N/A	CSB	235779	2026-06-30
Spectrum Analyzer, PXA, 3Hz to 50GHz	Keysight Technologies Inc	N9030A	80400	2026-01-31
Conducted Switch Box	N/A	CSB	245774	2026-06-30
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	125179	2026-01-31
Conducted Switch Box	N/A	CSB	245777	2026-06-30
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	80397	2026-01-31
Conducted Switch Box	N/A	CSB	245782	2025-07-31*
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	85212	2026-01-31
Conducted Switch Box	N/A	CSB	220322	2025-10-31
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	85313	2026-01-31
Conducted Switch Box	N/A	CSB	245775	2026-06-30
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	87738	2026-01-31
Conducted Switch Box	N/A	CSB	235783	2026-06-30
P-Series Power Meter	Keysight Technologies Inc	N1912A-CFG003	259286	2026-03-31
Power Sensor, P - series, 50MHz to 18GHz, Wideband	Keysight Technologies Inc	N1921A	257703	2026-03-31
10dB Fixed Attenuator, Up to 26GHz	Pasternack Enterprises	PE7087-10	236285	2025-08-31
10dB Fixed Attenuator, 2 Watts Up to 26.5 GHz	Pasternack Enterprises	PE7024-10	236356	2025-08-31
10 dB Attenuator, Up to 18 GHz Rated to 2 Watts	Pasternack Enterprises	SA18H-10	236400	2025-08-31

AC Line Conducted				
Description	Manufacturer	Model	ID Num	Cal Due
EMI Test Receiver 9kHz-7GHz	Rohde & Schwarz	ESR	171646	2026-02-28
LISN for Conducted Emissions CISPR-16	Fischer Custom Communications	FCC-LISN-50/250-25-2-01-480V	175765	2026-01-31
Transient Limiter	TE	TBFL1	207996	2025-09-30

UL Automation Software			
Description	Manufacturer	Model	Version
Radiated Software	UL	UL EMC	Ver 9.5 May 1, 2023
Antenna Port Software	UL	UL EMC	Ver 2024.2.23
AC Line Conducted Software	UL	UL EMC	Ver 9.5 Jan 9, 2023
Conducted Software	UL	Station Tool	v2025.6.1

VLP TPC Test				
Description	Manufacturer	Model	ID Num	Cal Due
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	80400	2026-01-31
Step Attenuator 70dB	HP	8495B	2406A01354	N/A
Directional Coupler	Pasternack Enterprises	PE2204-6	246270	2026-05-31

Dual Client Test				
Description	Manufacturer	Model	ID Num	Cal Due
Power Meter, P-series single channel	Keysight Technologies Inc	N1911A	90715	2026-01-31
Power Sensor, P - series, 50MHz to 18GHz, Wideband	Keysight Technologies Inc	N1921A	81319	2026-01-31
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	80400	2026-01-31
Directional Coupler	Pasternack Enterprises	PE2204-6	246269	2026-05-31
Directional Coupler	Pasternack Enterprises	PE2204-6	246270	2026-05-31
SMA-SMA cable (.3 meter)	Pasternack	PE360-12	246328	2026-05-31
SMA-SMA cable (.3 meter)	Pasternack	PE360-12	246324	2026-05-31
SMA-SMA cable (.3 meter)	Pasternack	PE360-12	246326	2026-05-31
SMA-SMA cable (.6 meter)	Pasternack	PE360-24	246274	2026-05-31
Radio Communication Tester	Rohde & Schwarz (Koeln) GmbH & Co. KG	CMX500	209009	2026-03-31

* Testing was completed before equipment calibration due date.

9. ANTENNA PORT TEST RESULTS

9.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

PROCEDURE

KDB 789033 Zero-Span Spectrum Analyzer Method.

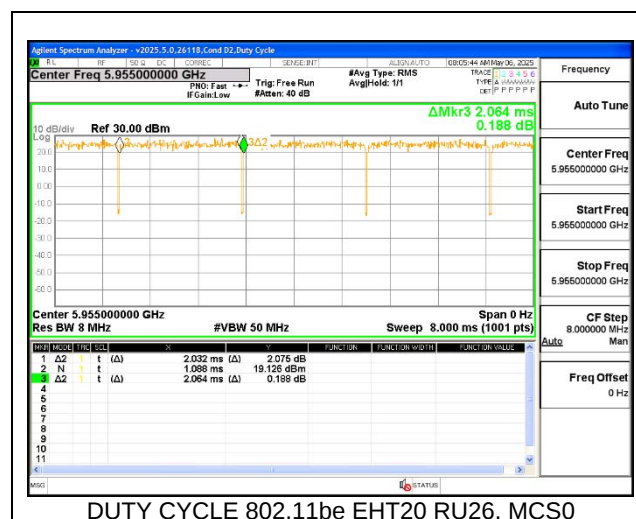
ON TIME AND DUTY CYCLE RESULTS

Mode	Tone	Data Rate (Mbps)	ON Time T (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)
11a	--	6	3.830	3.855	0.9935	99.35%	0.00	0.010
		54	4.450	4.475	0.9944	99.44%	0.00	0.010
EHT20	SU	MCS0	4.620	4.645	0.9946	99.46%	0.00	0.010
		MCS11	5.433	5.460	0.9951	99.51%	0.00	0.010
	26T	MCS0	2.032	2.064	0.9845	98.45%	0.00	0.010
		MCS11	2.027	2.064	0.9821	98.21%	0.00	0.010
	52T	MCS0	2.027	2.064	0.9821	98.21%	0.00	0.010
		MCS11	2.029	2.067	0.9816	98.16%	0.00	0.010
	52+26T	MCS0	2.027	2.072	0.9783	97.83%	0.10	0.493
		MCS11	2.027	2.064	0.9821	98.21%	0.00	0.010
	106T	MCS0	2.029	2.064	0.9830	98.30%	0.00	0.010
		MCS11	2.027	2.072	0.9783	97.83%	0.10	0.493
	106+26T	MCS0	2.029	2.064	0.9830	98.30%	0.00	0.010
		MCS11	2.027	2.064	0.9821	98.21%	0.00	0.010
EHT40	SU	MCS0	5.380	5.400	0.9963	99.63%	0.00	0.010
		MCS11	2.980	3.003	0.9923	99.23%	0.00	0.010
	26T	MCS0	2.013	2.069	0.9729	97.29%	0.12	0.497
		MCS11	2.029	2.064	0.9830	98.30%	0.00	0.010
	52T	MCS0	2.027	2.064	0.9821	98.21%	0.00	0.010
		MCS11	2.027	2.064	0.9821	98.21%	0.00	0.010
	52+26T	MCS0	2.027	2.064	0.9821	98.21%	0.00	0.010
		MCS11	2.027	2.064	0.9821	98.21%	0.00	0.010
	106T	MCS0	2.029	2.064	0.9830	98.30%	0.00	0.010
		MCS11	2.027	2.064	0.9821	98.21%	0.00	0.010
	106+26T	MCS0	2.029	2.067	0.9816	98.16%	0.00	0.010
		MCS11	2.029	2.064	0.9830	98.30%	0.00	0.010
	242T	MCS0	2.029	2.064	0.9830	98.30%	0.00	0.010
		MCS11	2.027	2.064	0.9821	98.21%	0.00	0.010

Mode	Tone	Data Rate (Mbps)	ON Time T (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)
EHT80	SU	MCS0	5.140	5.167	0.9948	99.48%	0.00	0.010
		MCS11	1.460	1.485	0.9832	98.32%	0.00	0.010
	26T	MCS0	5.334	5.404	0.9870	98.70%	0.00	0.010
		MCS11	5.343	5.399	0.9896	98.96%	0.00	0.010
	52T	MCS0	2.027	2.064	0.9821	98.21%	0.00	0.010
		MCS11	2.027	2.064	0.9821	98.21%	0.00	0.010
	106T	MCS0	2.029	2.064	0.9830	98.30%	0.00	0.010
		MCS11	2.027	2.064	0.9821	98.21%	0.00	0.010
	106+26T	MCS0	2.027	2.064	0.9821	98.21%	0.00	0.010
		MCS11	2.028	2.063	0.9830	98.30%	0.00	0.010
	242T	MCS0	2.029	2.064	0.9830	98.30%	0.00	0.010
		MCS11	2.029	2.064	0.9830	98.30%	0.00	0.010
	484T	MCS0	2.027	2.064	0.9821	98.21%	0.00	0.010
		MCS11	2.029	2.064	0.9830	98.30%	0.00	0.010
	484+242T	MCS0	2.027	2.064	0.9821	98.21%	0.00	0.010
		MCS11	2.027	2.069	0.9797	97.97%	0.09	0.493
EHT160	SU	MCS0	5.320	5.340	0.9963	99.63%	0.00	0.010
		MCS11	0.765	0.791	0.9671	96.71%	0.15	1.307
	26T	MCS0	2.027	2.064	0.9821	98.21%	0.00	0.010
		MCS11	2.029	2.067	0.9816	98.16%	0.00	0.010
	52T	MCS0	2.027	2.064	0.9821	98.21%	0.00	0.010
		MCS11	2.029	2.067	0.9816	98.16%	0.00	0.010
	106T	MCS0	2.028	2.065	0.9821	98.21%	0.00	0.010
		MCS11	2.030	2.065	0.9831	98.31%	0.00	0.010
	106+26T	MCS0	2.027	2.064	0.9821	98.21%	0.00	0.010
		MCS11	2.027	2.064	0.9821	98.21%	0.00	0.010
	484T	MCS0	2.028	2.065	0.9821	98.21%	0.00	0.010
		MCS11	2.028	2.065	0.9821	98.21%	0.00	0.010
	996T	MCS0	2.027	2.064	0.9821	98.21%	0.00	0.010
		MCS11	2.029	2.064	0.9830	98.30%	0.00	0.010
	996+484T	MCS0	2.029	2.064	0.9830	98.30%	0.00	0.010
		MCS11	2.029	2.064	0.9830	98.30%	0.00	0.010

Mode	Tone	Data Rate (Mbps)	ON Time T (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)
EHT20 SDM	SU	MCS0	5.387	5.413	0.9952	99.52%	0.00	0.010
	52T	MCS0	2.029	2.067	0.9816	98.16%	0.00	0.010
	52+26T	MCS0	2.029	2.064	0.9830	98.30%	0.00	0.010
	106T	MCS0	2.027	2.064	0.9821	98.21%	0.00	0.010
	106+26	MCS0	2.029	2.067	0.9816	98.16%	0.00	0.010
EHT40 SDM	SU	MCS0	5.387	5.413	0.9952	99.52%	0.00	0.010
	26T	MCS0	2.027	2.064	0.9821	98.21%	0.00	0.010
	52T	MCS0	2.027	2.064	0.9821	98.21%	0.00	0.010
	106T	MCS0	2.027	2.064	0.9821	98.21%	0.00	0.010
	106+26T	MCS0	2.029	2.067	0.9816	98.16%	0.00	0.010
	242T	MCS0	2.027	2.064	0.9821	98.21%	0.00	0.010
EHT80 SDM	SU	MCS0	5.327	5.353	0.9951	99.51%	0.00	0.010
	52T	MCS0	2.027	2.064	0.9821	98.21%	0.00	0.010
	106+26T	MCS0	2.027	2.064	0.9821	98.21%	0.00	0.010
	242T	MCS0	2.029	2.064	0.9830	98.30%	0.00	0.010
	484T	MCS0	2.029	2.067	0.9816	98.16%	0.00	0.010
	484+242T	MCS0	2.027	2.064	0.9821	98.21%	0.00	0.010
EHT160 SDM	SU	MCS0	5.413	5.44	0.9950	99.50%	0.00	0.010
	52T	MCS0	2.027	2.064	0.9821	98.21%	0.00	0.010
	106T	MCS0	2.028	2.065	0.9821	98.21%	0.00	0.010
	106+26T	MCS0	2.029	2.067	0.9816	98.16%	0.00	0.010
	484T	MCS0	2.028	2.063	0.9830	98.30%	0.00	0.010
	996T	MCS0	2.027	2.064	0.9821	98.21%	0.00	0.010
	996+484T	MCS0	2.029	2.067	0.9816	98.16%	0.00	0.010

DUTY CYCLE PLOTS



9.2. LP 26 dB AND 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

PROCEDURE

ANSI C63.10

Band	Tones	20MHz (RBW/VBW)	40MHz (RBW/VBW)	80MHz (RBW/VBW)	160MHz (RBW/VBW)
UNII-5/6/7/8	Partial RU	52+26T: 300kHz/910kHz 106T: 300kHz/910kHz 106+26T: 300kHz/910kHz	52T: 510kHz/1.6MHz 52+26T: 510kHz/1.6MHz 106T: 510kHz/1.6MHz 106+26T: 510kHz/1.6MHz	52T: 510kHz/1.6MHz 106T: 510kHz/1.6MHz 106+26T: 510kHz/1.6MHz 484T: 510kHz/1.6MHz	106+26T: 510kHz/1.6MHz 484T: 510kHz/1.6MHz 996T: 1MHz/3MHz
	SU	300kHz/910kHz	510kHz/1.6MHz	1MHz/3MHz	2MHz/6MHz

RESULTS

ID:	28170
Date:	2025-08-11

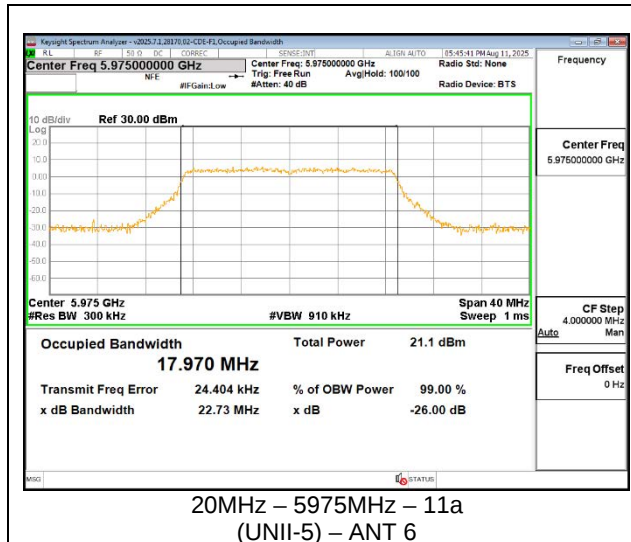
For mask and bandwidth measurements partial RU allocations are tested with the RUs allocated at the lower and upper positions within the channel for the low mid and high channels in each band. Additionally, the center channel is also tested with the RU allocated in the center of the channel to verify that the low / high RU allocations are the worst case.

The plots in these sections are for reference settings only for different bandwidths and different antennas.

The tests performed on this device show that both 99% and 26dB bandwidths are less than 320 MHz for all supported channel bandwidths.

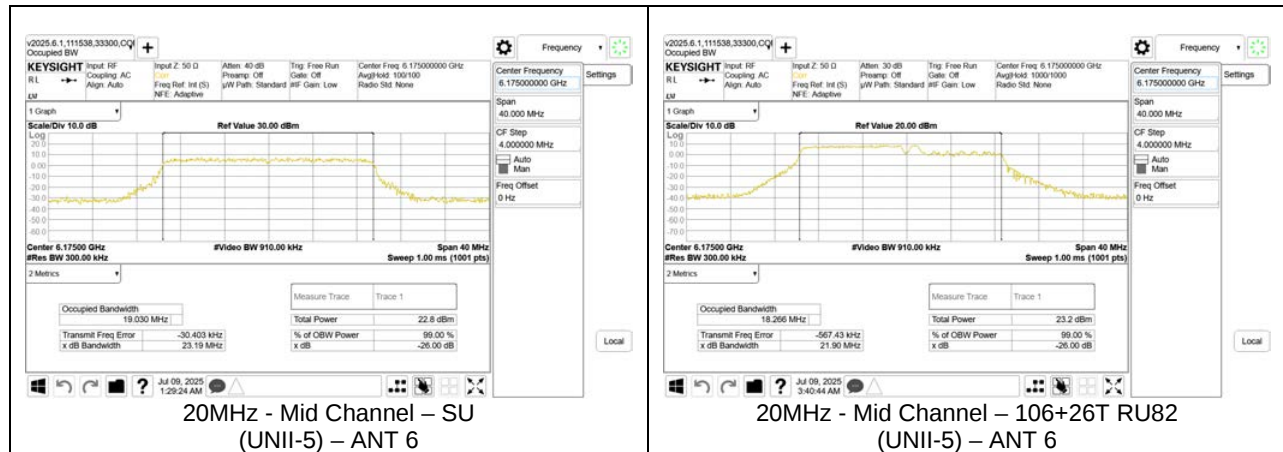
9.2.1. 802.11a SISO MODE IN THE UNII-5 BAND

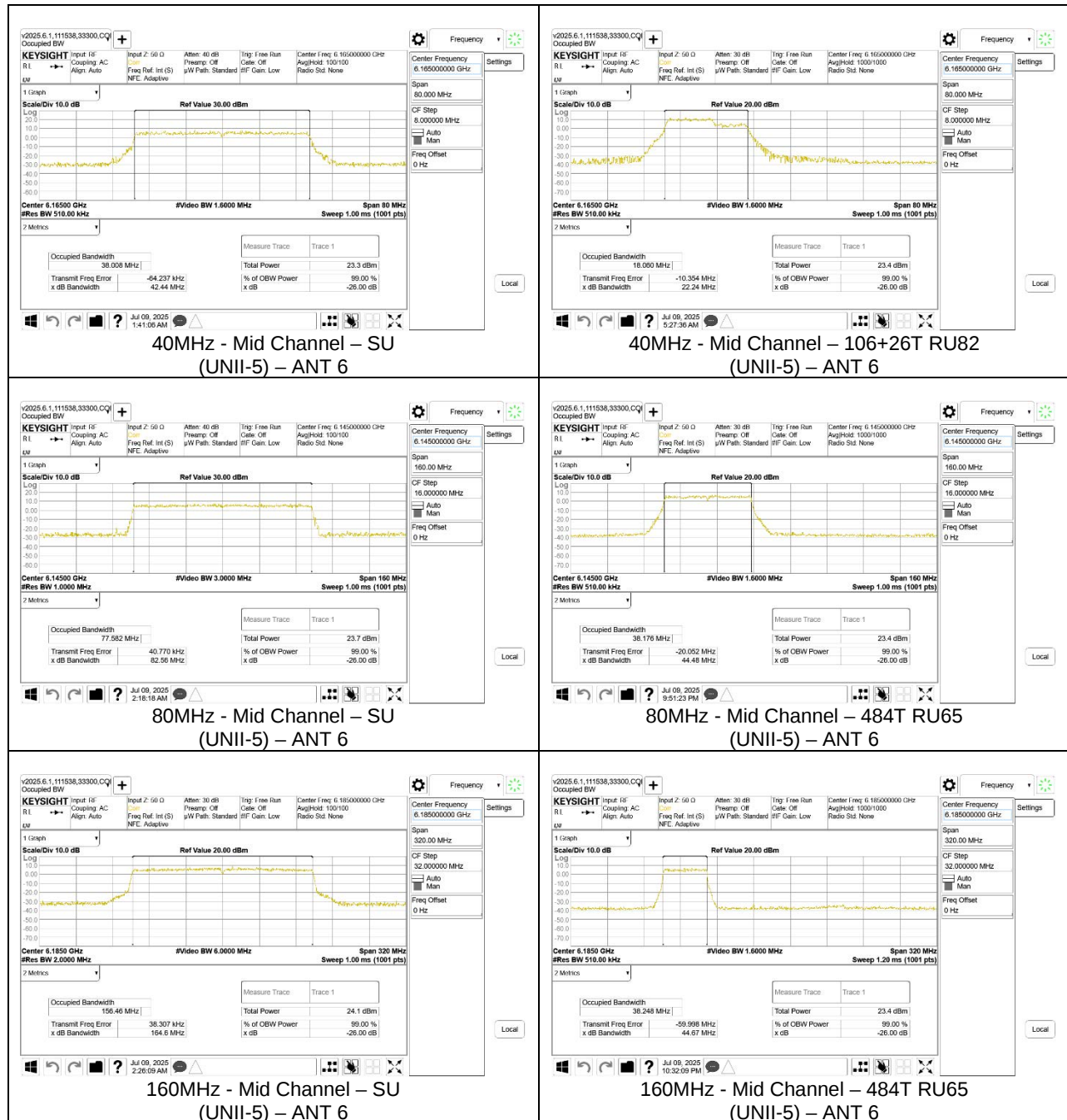
UNII-8 (SISO)	Frequency (MHz)	Channel Number	Mode	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
				ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	5975	5	11a	22.73	22.93	17.970	17.937



9.2.2. 802.11be SISO MODE IN THE UNII-5 BAND

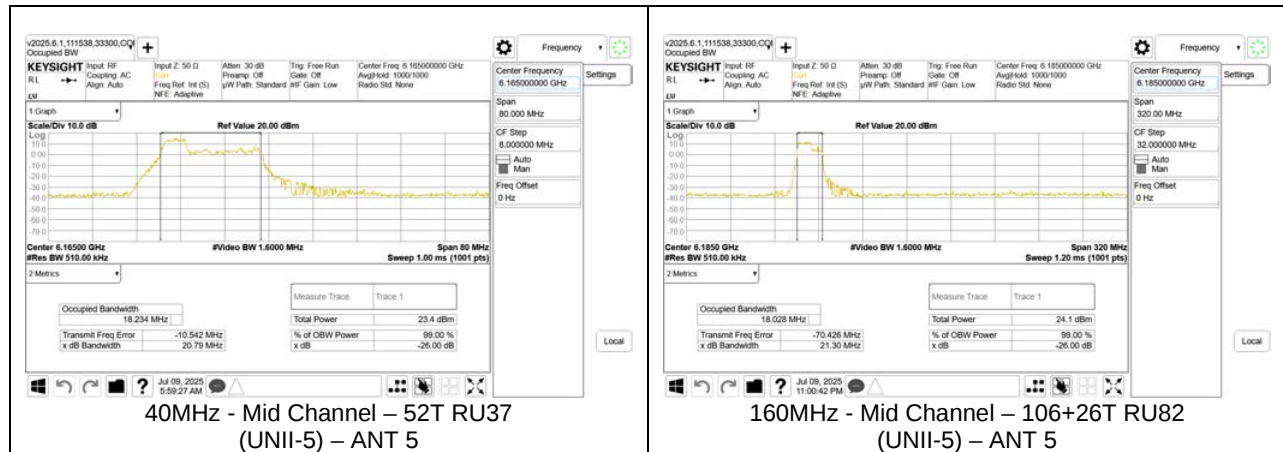
UNII-5 (SISO)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	5955	1	SU	--	22.17	22.22	19.027	18.955
			106+26T	82	21.89	21.51	18.230	18.205
				83	21.25	21.34	18.077	18.135
	5975	5	SU	--	22.61	22.37	19.023	19.017
			106+26T	82	22.13	21.90	18.233	18.194
				83	21.06	21.39	18.075	18.092
	6175	45	SU	--	23.19	22.28	19.030	19.019
			106+26T	82	21.90	21.78	18.266	18.255
				83	21.16	21.57	18.103	18.115
	6415	93	SU	--	22.35	22.64	19.000	19.025
			106+26T	82	22.02	21.73	18.213	18.204
				83	21.29	21.20	18.128	18.056
40 MHz	5965	3	SU	--	43.57	44.05	38.025	38.048
			106+26T	82	22.13	22.01	18.053	18.076
				84	22.45	22.35	18.610	18.627
				85	21.33	21.06	18.089	17.911
	6005	11	SU	--	73.28	42.38	37.989	37.974
			106+26T	82	22.39	22.91	17.954	18.058
				84	22.61	22.24	18.643	18.656
				85	21.71	21.38	17.995	18.084
	6165	43	SU	--	42.44	42.93	38.008	38.018
			106+26T	82	22.24	21.92	18.060	18.117
				84	22.87	22.24	18.626	18.474
				85	21.23	21.16	18.000	17.972
	6405	91	SU	--	43.60	43.65	38.073	38.001
			106+26T	82	21.98	22.25	18.056	17.965
				84	22.40	22.20	18.543	18.457
				85	21.57	21.04	18.036	17.967
80 MHz	5985	7	SU	--	81.46	84.37	77.422	77.504
			484T	65	43.87	44.66	38.125	38.240
				66	44.25	43.82	38.132	38.158
	6145	39	SU	--	82.56	84.16	77.582	77.722
			484T	65	44.48	44.89	38.176	38.152
				66	44.25	44.07	38.142	38.125
	6385	87	SU	--	81.74	84.59	77.440	77.550
			484T	65	44.98	44.14	38.113	38.095
				66	44.02	44.77	38.170	38.205
160 MHz	6025	15	SU	--	164.80	163.50	156.430	156.520
			484T	65	44.77	44.00	38.292	38.257
				66	43.15	44.49	38.309	38.287
				S66	44.42	44.47	38.295	38.203
	6185	47	SU	--	164.60	163.40	156.460	156.380
			484T	65	44.67	44.15	38.248	38.268
				66	42.65	42.91	38.319	38.220
				S66	44.62	43.92	38.256	38.268
	6345	79	SU	--	164.10	164.20	156.680	156.250
			484T	65	44.46	44.83	38.325	38.353
				66	43.74	44.21	38.333	38.343
				S66	44.37	44.79	38.476	38.412





9.2.3. 802.11be MIMO CDD MODE IN THE UNII-5 BAND

UNII-5 (MIMO CDD)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	5955	1	SU	--	22.59	22.22	19.038	19.032
			106+26T	82	22.14	20.89	18.224	18.116
				83	21.12	20.47	18.124	18.105
	5975	5	SU	--	22.52	22.16	19.031	19.077
			106+26T	82	21.86	20.73	18.195	18.109
				83	21.54	20.69	18.152	18.072
	6175	45	SU	--	22.43	22.73	19.015	18.098
			106+26T	82	22.07	20.74	18.254	18.098
				83	21.22	20.63	18.130	18.010
	6415	93	SU	--	22.18	22.67	19.045	19.012
			106+26T	82	21.98	20.93	18.179	18.083
				83	21.32	20.46	18.217	18.155
40 MHz	5965	3	SU	--	43.38	43.29	38.025	38.013
			52T	37	20.58	20.95	18.386	18.321
				41	21.58	21.39	18.897	18.746
				44	21.06	20.62	18.474	18.219
	6005	11	SU	--	43.90	43.33	37.995	37.953
			52T	37	21.70	21.13	18.387	18.221
				41	21.81	21.32	18.807	18.790
				44	21.14	20.37	18.281	18.226
	6165	43	SU	--	43.67	20.79	37.926	38.076
			52T	37	21.72	20.79	18.368	18.234
				41	21.50	21.27	18.828	18.697
				44	21.33	20.82	18.353	18.215
	6405	91	SU	--	44.09	43.76	38.100	37.968
			52T	37	21.66	21.30	18.352	18.155
				41	21.57	21.14	18.961	18.701
				44	21.00	20.72	18.360	18.198
80 MHz	5985	7	SU	--	81.69	81.83	77.566	77.532
			484T	65	43.92	44.34	38.154	38.132
				66	44.25	43.23	38.244	38.102
	6145	39	SU	--	81.89	82.70	77.563	77.655
			484T	65	43.72	43.45	38.225	38.068
				66	44.34	43.64	38.151	38.185
	6385	87	SU	--	82.09	82.81	77.437	77.694
			484T	65	44.34	44.56	38.186	38.087
				66	44.17	44.09	38.160	38.115
160 MHz	6025	15	SU	--	165.30	164.20	156.590	156.590
			106+26T	82	22.79	21.18	18.173	18.281
				89	21.58	20.96	18.034	17.933
				S89	22.06	21.23	18.274	18.007
	6185	47	SU	--	164.30	166.80	156.640	156.540
			106+26T	82	22.62	21.30	18.306	18.028
				89	21.71	21.35	18.052	17.937
				S89	21.34	21.34	18.271	18.090
	6345	79	SU	--	164.10	166.40	156.540	156.560
			106+26T	82	22.51	20.81	18.310	18.098
				89	21.54	21.59	18.167	17.901
				S89	21.15	21.25	18.170	18.071

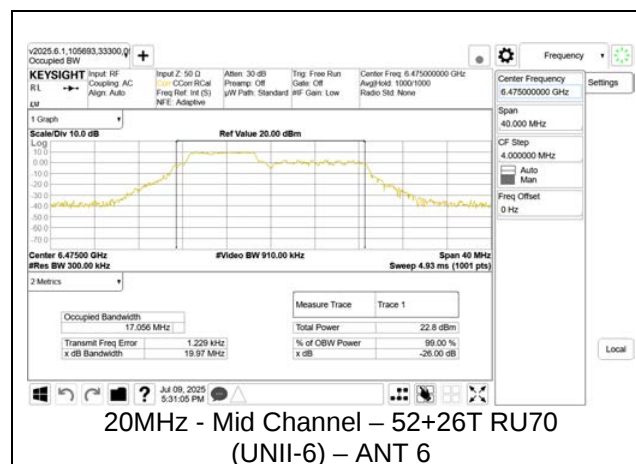


9.2.4. 802.11be MIMO SDM MODE IN THE UNII-5 BAND

UNII-5 (MIMO CDD)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	5955	1	SU	--	22.62	21.76	19.003	18.972
			106+26T	82	21.82	20.93	18.219	18.102
				83	21.02	20.74	18.144	18.021
	5975	5	SU	--	22.25	22.33	18.986	18.975
			106+26T	82	22.21	21.02	18.220	18.118
				83	21.28	20.55	18.065	18.122
	6175	45	SU	--	22.21	22.19	18.987	18.993
			106+26T	82	21.56	20.93	18.165	18.141
				83	21.08	20.65	18.143	18.100
	6415	93	SU	--	22.71	22.59	18.988	18.976
			106+26T	82	21.69	20.91	18.218	18.101
				83	21.18	20.55	18.104	18.097
40 MHz	5965	3	SU	--	43.56	42.42	37.963	37.893
			52T	37	21.58	20.92	18.431	18.209
				41	21.73	22.03	18.846	18.829
				44	20.93	20.61	18.399	18.266
	6005	11	SU	--	43.30	43.43	37.988	37.995
			52T	37	21.43	20.93	18.346	18.242
				41	21.18	21.65	18.686	18.809
				44	20.63	20.57	18.267	18.152
	6165	43	SU	--	43.37	42.77	37.928	37.978
			52T	37	21.30	21.14	18.358	18.268
				41	21.71	21.22	18.909	18.743
				44	20.47	20.56	18.107	18.263
	6405	91	SU	--	43.42	42.38	37.991	38.010
			52T	37	21.37	21.00	18.377	18.271
				41	21.53	21.61	18.997	18.720
				44	21.26	20.49	18.320	18.258
80 MHz	5985	7	SU	--	81.92	81.96	77.397	77.423
			484T	65	44.29	43.66	38.167	38.136
				66	44.66	43.69	38.070	38.095
	6145	39	SU	--	81.89	82.14	77.330	77.487
			484T	65	44.83	43.56	38.158	38.058
				66	44.06	44.87	38.141	38.072
	6385	87	SU	--	81.83	82.10	77.412	77.422
			484T	65	44.12	43.42	38.080	38.120
				66	44.21	43.36	38.081	38.071
160 MHz	6025	15	SU	--	164.40	164.90	156.690	156.530
			106+26T	82	21.82	21.62	18.215	17.890
				89	21.58	20.86	18.249	18.008
				S89	21.88	21.26	18.128	17.998
	6185	47	SU	--	166.40	164.80	156.350	156.300
			106+26T	82	22.95	21.26	18.229	17.979
				89	21.72	21.14	18.036	18.129
				S89	21.34	21.05	18.061	18.154
	6345	79	SU	--	164.6	164.2	156.72	156.77
			106+26T	82	22.53	21.16	18.263	18.008
				89	22.24	21.23	18.116	18.075
				S89	21.41	20.84	18.141	18.039

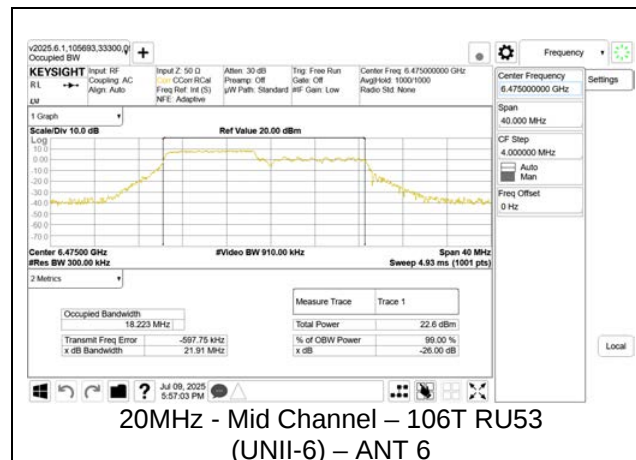
9.2.5. 802.11be SISO MODE IN THE UNII-6 BAND

UNII-6 (SISO)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	6435	97	SU	--	22.37	22.41	19.016	19.001
			56+26T	70	20.02	20.28	17.089	17.061
				71	19.25	19.26	16.956	17.000
				72	19.64	20.05	17.102	17.000
	6475	105	SU	--	22.56	22.22	19.046	19.023
			56+26T	70	19.97	20.30	17.056	17.137
				71	19.36	19.36	16.894	16.962
				72	19.91	19.52	17.043	17.088
	6515	113	SU	--	22.55	22.09	19.029	18.989
			56+26T	70	20.10	20.20	17.114	17.095
				71	19.33	19.07	17.027	17.019
				72	19.70	19.52	17.057	17.111
40 MHz	6445	99	SU	--	43.39	42.63	38.060	38.018
			106+26T	82	22.29	22.33	18.098	18.044
				84	22.61	22.19	18.639	18.633
				85	21.37	21.15	17.944	18.014
	6485	107	SU	--	43.37	42.70	37.917	37.938
			106+26T	82	21.82	22.25	18.018	17.975
				84	22.69	22.54	18.544	18.751
				85	21.36	21.20	18.027	17.834
	6525 (Straddle)	115	SU	--	43.39	42.99	38.032	37.964
			106+26T	82	21.74	22.34	17.988	17.973
				84	22.68	22.52	18.671	18.610
				85	21.22	21.06	18.025	18.018
80 MHz	6465	103	SU	--	81.69	84.98	77.384	77.505
			484T	65	44.18	44.63	38.200	38.097
				66	44.18	43.91	38.026	38.252
160 MHz	6505 (Straddle)	111	SU	--	166.20	163.90	156.700	155.690
			106+26T	82	21.90	22.41	18.285	18.313
				89	21.03	21.19	18.037	18.166
				S89	21.50	21.13	18.081	17.900



9.2.6. 802.11be MIMO CDD MODE IN THE UNII-6 BAND

UNII-6 (MIMO CDD)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20MHz	6435	97	SU	--	22.55	22.15	18.992	19.034
			106T	53	21.75	21.10	18.239	18.120
				54	20.94	20.47	18.215	18.153
	6475	105	SU	--	22.74	22.65	19.021	19.067
			106T	53	21.91	20.75	18.223	18.158
				54	21.02	20.41	18.183	18.107
40MHz	6445	99	SU	--	22.69	22.67	18.999	19.017
			106T	53	21.57	20.77	18.235	18.148
				54	21.02	20.36	18.135	18.112
	6485	107	SU	--	44.64	43.74	38.053	38.042
			52T	37	21.20	20.81	18.404	18.116
				41	21.78	21.17	18.943	18.689
				44	21.04	20.50	18.377	18.321
	6525 (Straddle)	115	SU	--	44.31	43.97	37.929	37.901
			52T	37	21.28	20.75	18.344	18.121
				41	21.61	21.27	18.869	18.677
				44	20.97	20.80	18.301	18.315
80MHz	6465	103	SU	--	43.20	43.39	38.008	37.990
			52T	37	21.73	21.01	18.467	18.202
				41	21.68	21.32	18.903	18.646
160MHz	6505 (Straddle)	111	SU	--	20.80	20.49	18.479	18.182
			484T	65	81.78	81.90	77.671	77.614
				66	44.22	43.57	38.157	38.196
				66	44.26	43.76	38.145	38.095
			106+26	82	166.20	165.20	156.340	156.380
				89	22.40	21.51	18.196	18.116
				89	21.21	20.97	18.224	17.956
				S89	21.10	21.11	17.966	18.223

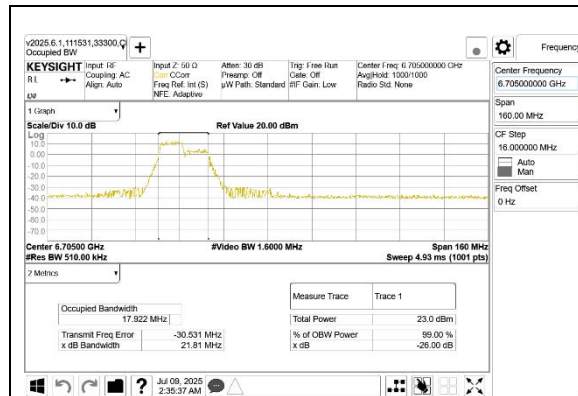


9.2.7. 802.11be MIMO SDM MODE IN THE UNII-6 BAND

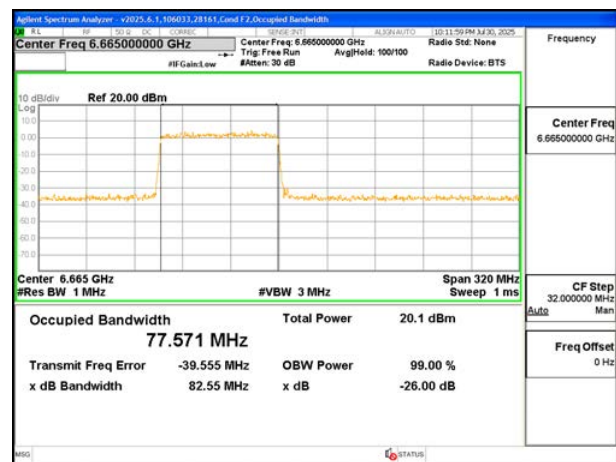
UNII-6 (MIMO CDD)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20MHz	6435	97	SU	--	22.91	22.28	19.084	19.019
			106T	53	21.83	20.68	18.257	18.162
				54	20.82	20.62	18.156	18.19
	6475	105	SU	--	22.24	22.16	19.022	19.026
			106T	53	21.70	20.76	18.236	18.132
				54	20.90	20.50	18.179	18.038
	6515	113	SU	--	22.16	21.92	19.032	18.996
			106T	53	21.56	20.98	18.239	18.117
				54	21.02	20.54	18.122	18.12
40MHz	6445	99	SU	--	43.88	43.82	38.036	38.015
			52T	37	21.44	20.93	18.311	18.132
				41	21.45	21.74	18.793	18.689
				44	20.91	20.54	18.173	18.295
	6485	107	SU	--	43.28	43.48	37.97	37.992
			52T	37	21.48	20.66	18.416	18.173
				41	21.61	21.46	18.847	18.777
				44	20.69	20.94	18.332	18.25
	6525 (Straddle)	115	SU	--	43.62	43.37	38.046	37.985
			52T	37	20.96	20.79	18.447	18.206
				41	21.44	21.23	18.811	18.715
				44	20.79	20.46	18.395	18.146
80MHz	6465	103	SU	--	81.78	82.33	77.601	77.517
			484T	65	44.12	43.99	38.135	38.208
				66	43.99	43.75	38.13	38.086
160MHz	6505 (Straddle)	111	SU	--	165.00	168.30	156.43	156.65
			106+26	82	22.58	21.17	18.18	18.017
				89	21.40	20.89	18.234	18.023
				S89	21.41	21.15	18.055	18.074

9.2.8. 802.11be SISO MODE IN THE UNII-7 BAND

UNII-7 (SISO)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	6535	117	SU	--	22.43	22.67	19.115	19.099
			106T	53	21.59	21.54	18.221	18.266
				54	20.78	21.46	18.147	18.216
	6715	153	SU	--	22.46	22.75	19.054	19.034
			106T	53	21.38	21.58	18.293	18.343
				54	21.15	20.87	18.131	18.129
	6875	185	SU	--	22.39	22.56	18.987	18.974
			106T	53	21.82	21.68	18.262	18.293
				54	21.30	20.98	18.138	18.166
40 MHz	6565	123	SU	--	43.27	43.02	37.982	37.936
			52T	37	21.75	21.37	18.367	18.371
				41	21.82	21.76	18.861	18.787
				44	20.70	21.32	18.395	18.443
	6685	147	SU	--	42.68	44.04	38.069	38.032
			52T	37	21.71	21.25	18.535	18.276
				41	21.70	21.56	18.500	18.919
				44	20.66	20.71	18.278	18.308
	6845	179	SU	--	44.12	43.12	37.969	37.957
			52T	37	21.52	21.42	18.350	18.333
				41	21.81	21.86	18.888	19.044
				44	21.29	21.02	18.388	18.424
80 MHz	6545 (Straddle)	119	SU	--	81.84	84.29	77.455	77.528
			106T	53	21.73	22.38	18.108	18.309
				56	21.66	21.47	17.984	18.200
				60	21.44	21.50	18.196	18.125
	6705	151	SU	--	81.55	83.78	77.587	77.533
			106T	53	21.81	21.48	17.922	18.109
				56	21.42	20.88	18.148	18.186
				60	21.31	21.10	18.179	18.009
	6865 (Straddle)	183	SU	--	81.32	84.19	77.550	77.546
			106T	53	22.20	22.30	18.168	18.279
				56	20.95	20.95	18.052	18.207
				60	21.11	21.46	17.989	18.137
160 MHz	6665	143	SU	--	164.20	164.20	156.370	156.160
			996T	67	82.55	84.85	77.571	77.760
				S67	81.23	85.69	77.701	77.697
	6825 (Straddle)	175	SU	--	165.30	163.80	156.630	156.510
			996T	67	82.53	85.58	77.765	78.040
				S67	81.92	84.60	77.499	77.831



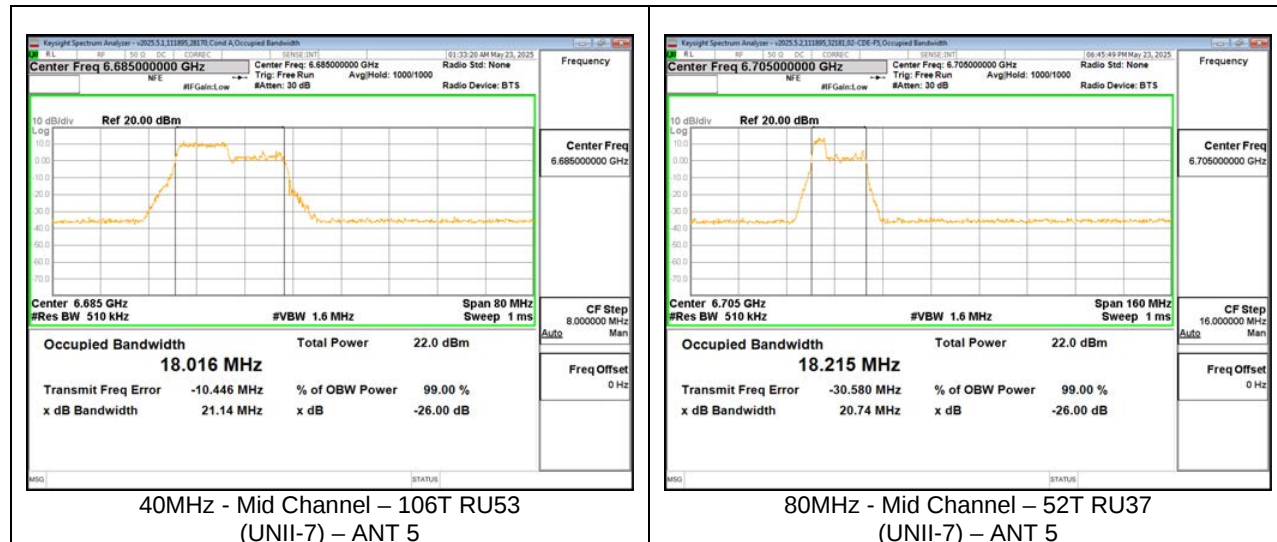
80MHz - Mid Channel – 106T RU53
(UNII-7) – ANT 6



160MHz - Low Channel – 996T RU67
(UNII-7) – ANT 6

9.2.9. 802.11be MIMO CDD MODE IN THE UNII-7 BAND

UNII-7 (MIMO CDD)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
20 MHz	6535	117	SU	--	22.25	22.15	18.996	19.030
			106+26T	82	21.90	20.86	18.232	18.066
				83	21.26	20.49	18.177	18.066
	6715	153	SU	--	22.62	22.08	19.035	19.018
			106+26T	82	22.10	20.80	18.215	18.117
				83	21.28	20.70	18.136	18.140
	6875	185	SU	--	22.59	21.94	19.011	18.992
			106+26T	82	21.74	20.82	18.175	18.154
				83	20.96	20.60	18.058	18.199
40 MHz	6565	123	SU	--	43.37	42.71	37.992	37.373
			106T	53	22.15	21.46	18.039	18.043
				54	21.65	21.12	18.650	18.580
				56	21.71	21.00	18.068	18.001
	6685	147	SU	--	43.38	43.48	38.010	37.943
			106T	53	21.86	21.14	18.029	18.016
				54	21.37	21.22	18.724	18.563
				56	21.27	20.56	18.135	17.992
	6845	179	SU	--	43.32	42.00	37.962	37.918
			106T	53	22.22	21.31	18.175	18.005
				54	21.41	21.07	18.773	18.494
				56	21.33	20.69	18.137	18.021
80 MHz	6545 (Straddle)	119	SU	--	82.14	82.14	77.508	77.584
			52T	37	21.40	21.04	18.422	18.130
				45	21.48	20.94	18.328	18.185
				52	20.63	20.86	18.398	18.247
	6705	151	SU	--	83.49	83.68	77.584	77.495
			52T	37	21.38	20.74	18.565	18.215
				45	20.98	20.66	18.484	18.202
				52	21.28	20.79	18.442	18.425
	6865 (Straddle)	183	SU	--	84.41	83.57	77.443	77.386
			52T	37	21.49	20.98	18.321	18.241
				45	20.60	20.66	18.453	18.186
				52	20.89	20.67	18.489	18.269
160 MHz	6665	143	SU	--	164.00	164.90	156.420	156.250
			106+26T	82	22.34	21.12	18.249	18.155
				89	21.73	20.92	18.171	18.115
				S89	21.51	20.94	18.201	18.108
	6825 (Straddle)	175	SU	--	164.20	164.30	156.090	156.310
			106+26T	82	21.86	20.95	18.298	18.196
				89	21.46	21.03	18.193	18.110
				S89	22.08	20.95	18.330	17.950

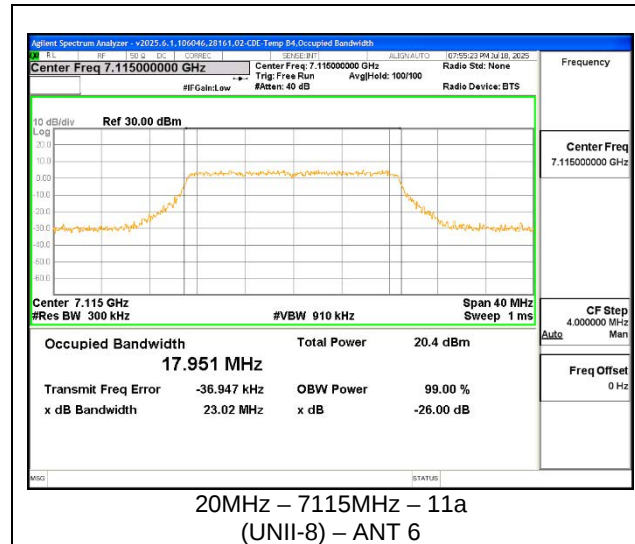


9.2.10. 802.11be MIMO SDM MODE IN THE UNII-7 BAND

UNII-7 (MIMO CDD)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	6535	117	SU	--	22.59	22.34	18.995	19.014
			106+26T	82	21.93	20.78	18.204	18.085
				83	21.52	20.64	18.123	18.114
	6715	153	SU	--	22.43	22.08	19.022	18.993
			106+26T	82	22.12	20.90	18.233	18.090
				83	21.07	20.55	17.971	18.102
	6875	185	SU	--	22.54	21.94	19.060	18.963
			106+26T	82	22.15	20.72	18.217	18.097
				83	21.23	20.42	18.148	18.140
40 MHz	6565	123	SU	--	43.35	42.77	37.931	37.906
			106T	53	22.14	20.86	18.088	17.984
				54	21.74	21.37	18.797	18.575
				56	21.21	20.94	18.164	18.047
	6685	147	SU	--	43.97	42.63	37.885	37.984
			106T	53	21.66	21.68	18.097	17.983
				54	21.66	21.18	18.642	18.580
				56	21.56	20.52	18.170	18.028
	6845	179	SU	--	43.68	41.99	38.024	37.924
			106T	53	21.80	21.20	18.064	17.963
				54	21.66	21.24	18.713	18.593
				56	21.05	20.96	18.026	18.009
80 MHz	6545 (Straddle)	119	SU	--	81.87	82.04	77.298	77.330
			52T	37	20.87	20.94	18.355	18.177
				45	21.33	20.79	18.409	18.155
				52	21.25	20.44	18.456	18.312
	6705	151	SU	--	84.32	82.95	77.498	77.447
			52T	37	21.64	20.91	18.442	18.302
				45	20.79	20.88	18.410	18.285
				52	21.05	20.93	18.386	18.240
	6865 (Straddle)	183	SU	--	84.91	85.19	77.571	77.603
			52T	37	21.50	20.92	18.440	18.255
				45	21.22	20.89	18.407	18.204
				52	20.86	20.42	18.267	18.345
160 MHz	6665	143	SU	--	163.10	163.60	156.390	156.360
			106+26T	82	22.47	21.93	18.294	18.194
				89	21.08	21.17	18.109	18.217
				S89	22.35	20.80	18.305	18.163
	6825 (Straddle)	175	SU	--	164.10	163.80	156.190	156.550
			106+26T	82	22.62	21.30	18.341	18.196
				89	21.69	21.30	18.315	18.200
				S89	21.38	21.13	18.127	18.165

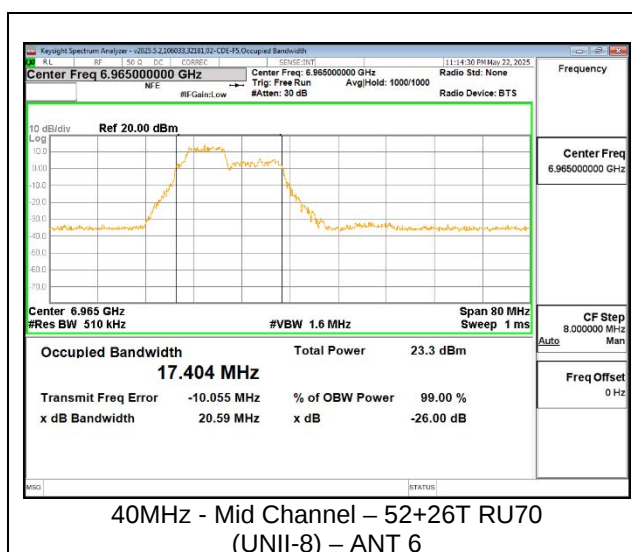
9.2.11. 802.11a SISO MODE IN THE UNII-8 BAND

UNII-8 (SISO)	Frequency (MHz)	Channel Number	Mode	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
				ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	6895	189	11a	22.40	23.10	17.889	17.944
	6995	209		22.44	22.81	17.978	17.984
	7115	233		23.02	22.95	17.951	17.906



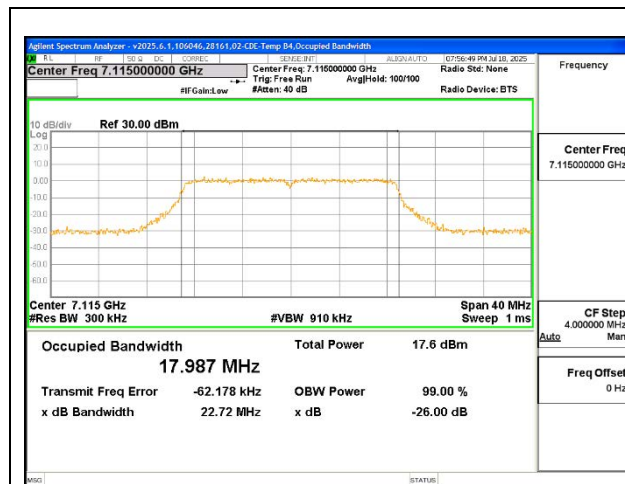
9.2.12. 802.11be SISO MODE IN THE UNII-8 BAND

UNII-8 (SISO)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	6895	189	SU	--	22.57	20.60	19.006	19.047
			106+26T	82	21.89	21.75	18.246	18.205
				83	21.19	20.60	18.101	18.146
	6995	209	SU	--	22.23	21.34	18.973	19.035
			106+26T	82	22.10	21.81	18.243	18.241
				83	21.45	21.34	18.093	18.132
	7095	229	SU	--	22.63	21.08	18.982	18.965
			106+26T	82	21.69	22.02	18.151	18.195
				83	21.37	21.08	18.152	18.178
40 MHz	6885 (Straddle)	187	SU	--	43.31	43.35	37.949	37.996
			56+26T	70	20.27	20.1	17.347	17.361
				72	20.26	21.2	17.353	17.259
	6965	203		75	19.77	20.04	17.267	17.369
			SU	--	42.95	44.98	38.018	37.985
			56+26T	70	20.59	20.96	17.404	17.374
	7085	227		72	20.01	20.42	17.251	17.298
				75	20.28	20.16	17.316	17.361
			SU	--	42.82	43.80	37.938	37.990
			56+26T	70	20.66	20.37	17.376	17.415
				72	20.06	20.55	17.333	17.229
				75	20.11	19.69	17.252	17.259
80 MHz	6945	199	SU	--	83.77	86.01	77.420	77.609
			484T	65	44.12	44.63	38.102	38.217
				66	44.16	45.00	38.188	38.185
	7025	215	SU	--	85.15	84.39	77.673	77.400
			484T	65	44.82	44.06	38.166	38.162
				66	44.47	44.12	38.164	38.194
160 MHz	6985	207	SU	--	164.10	163.20	156.640	155.970
			484T	65	44.30	44.29	38.422	38.270
				66	43.89	44.45	38.312	38.291
				S66	44.17	44.48	38.380	38.402

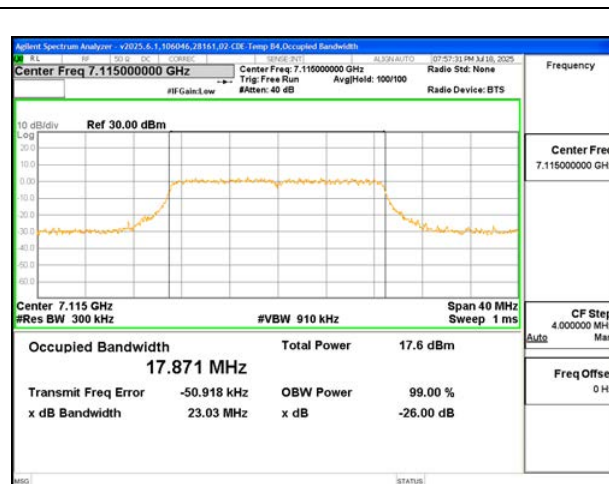


9.2.13. 802.11a MIMO MODE IN THE UNII-8 BAND

UNII-8 (MIMO)	Frequency (MHz)	Channel Number	Mode	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
				ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	7115	233	11a	22.72	23.03	17.987	17.871



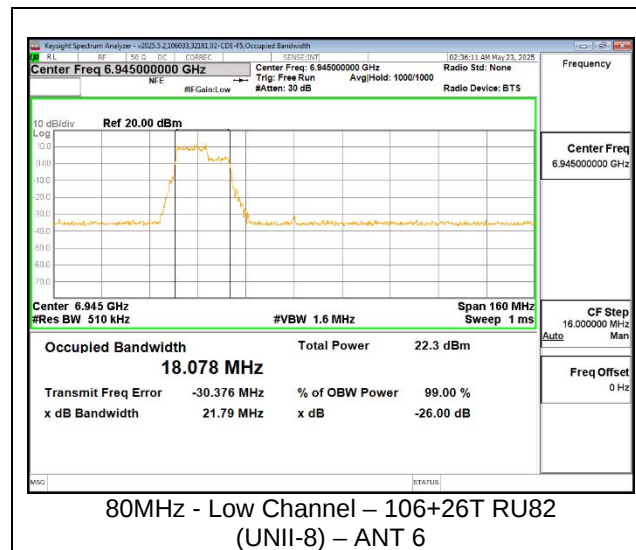
20MHz – 7115MHz – 11a
(UNII-8) – ANT 6



20MHz – 7115MHz – 11a
(UNII-8) – ANT 5

9.2.14. 802.11be MIMO CDD MODE IN THE UNII-8 BAND

UNII-8 (MIMO CDD)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	6895	189	SU	--	22.25	21.94	19.061	19.035
			106+26T	82	21.84	20.86	18.208	18.088
				83	21.02	20.48	18.126	18.052
	6995	209	SU	--	22.79	21.73	19.001	19.040
			106+26T	82	21.17	22.02	18.094	18.190
				83	21.03	20.69	18.042	18.019
40 MHz	6885 (Straddle)	187	SU	--	21.91	22.35	18.963	18.993
			106+26T	82	21.78	20.69	18.193	18.082
				83	21.40	20.54	18.126	18.095
	6965	203	SU	--	43.42	43.33	37.866	37.988
			106T	53	21.81	21.49	18.010	18.010
				54	21.67	21.18	18.639	18.574
				56	21.08	20.55	18.164	17.965
			SU	--	43.84	42.98	37.990	37.890
			106T	53	22.17	20.88	18.142	17.845
				54	21.83	21.06	18.600	18.594
				56	20.84	20.78	18.106	18.002
80 MHz	6945	199	SU	--	43.35	43.94	37.979	37.967
			106+26T	53	22.23	21.27	18.032	17.929
				54	21.49	21.27	18.618	18.608
	7025	215	SU	--	21.33	20.84	18.119	18.106
			106+26T	82	85.10	83.79	77.445	77.538
				82	21.79	21.13	18.078	17.941
160 MHz	6985	207		85	20.60	20.83	18.009	17.920
				89	21.60	20.92	18.191	17.968
			SU	--	84.03	83.78	77.618	77.567
			106+26T	82	22.07	21.11	17.923	17.976
				85	21.41	21.10	17.912	17.956
				89	20.89	20.69	18.050	17.981
160 MHz	6985	207	SU	--	164.20	163.60	156.480	156.440
			106+26	82	21.79	21.43	18.188	18.098
				89	21.77	21.24	18.284	18.083
				S89	21.49	20.73	18.239	18.010



9.2.15. 802.11be MIMO SDM MODE IN THE UNII-8 BAND

UNII-8 (MIMO CDD)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)		
					ANT 6	ANT 5	ANT 6	ANT 5	
20 MHz	6895	189	SU	--	21.95	21.93	19.102	18.988	
			106+26T	82	21.86	20.86	18.227	18.123	
				83	21.18	20.41	18.191	18.031	
	6995	209	SU	--	22.24	22.31	19.030	19.027	
			106+26T	82	21.89	20.82	18.270	18.119	
				83	21.07	20.82	18.114	18.119	
	7095	229	SU	--	21.96	21.68	18.946	18.986	
			106+26T	82	21.80	20.76	18.243	18.090	
				83	21.20	20.55	18.170	18.117	
40 MHz	6885 (Straddle)	187	SU	--	43.20	42.90	37.964	38.022	
			106T	53	22.12	21.26	18.100	17.955	
				54	21.61	21.38	18.631	18.502	
				56	21.05	20.71	18.140	17.872	
	6965	203	SU	--	43.09	42.60	38.066	37.940	
			106T	53	21.81	21.30	18.144	17.966	
				54	21.50	21.22	18.737	18.613	
				56	21.45	20.82	18.079	17.988	
	7085	227	SU	--	44.03	42.82	37.954	37.942	
			106T	53	21.99	21.24	18.096	17.942	
				54	21.63	21.14	18.734	18.563	
				56	21.06	20.97	18.027	18.009	
80 MHz	6945	199	SU	--	84.04	83.09	77.711	77.427	
			106+26T	82	22.30	21.44	18.129	18.042	
				85	21.01	21.01	18.117	17.952	
				89	21.54	20.99	18.111	18.098	
	7025	215	SU	--	83.54	84.78	77.486	77.653	
			106+26T	82	22.28	20.72	18.153	17.964	
				85	21.64	20.89	18.083	17.949	
160 MHz	6985	207	106+26	89	21.43	20.90	17.915	17.866	
				SU	--	163.30	163.20	156.850	156.330
				82	22.43	21.39	18.184	18.147	
				89	20.81	20.79	18.290	17.819	
S89	21.67	21.43	18.254	18.134					

9.3. SP 26 dB AND 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

PROCEDURE

ANSI C63.10

Band	Tones	20MHz (RBW/VBW)	40MHz (RBW/VBW)	80MHz (RBW/VBW)	160MHz (RBW/VBW)
UNII-5/7	Partial RU	26T: 300kHz/910kHz 52T: 300kHz/910kHz 52+26T: 300kHz/910kHz	26T: 510kHz/1.6MHz	26T: 510kHz/1.6MHz 52T: 510kHz/1.6MHz	26T: 510kHz/1.6MHz 52T: 510kHz/1.6MHz 106T: 510kHz/1.6MHz
	SU	300kHz/910kHz	510kHz/1.6MHz	1MHz/3MHz	2MHz/6MHz

RESULTS

ID:	105693/33300
Date:	2025-07-11

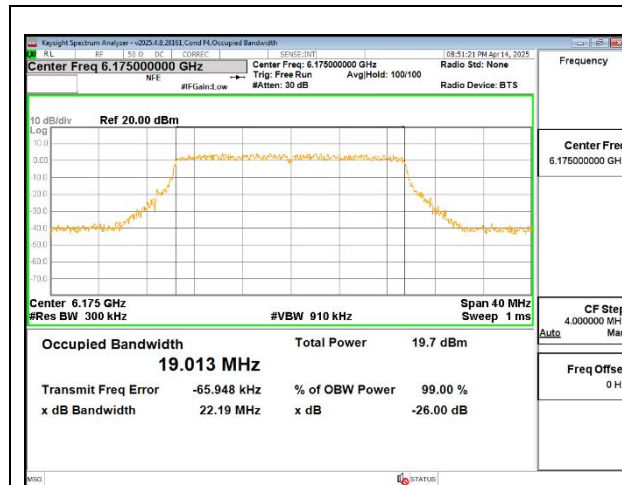
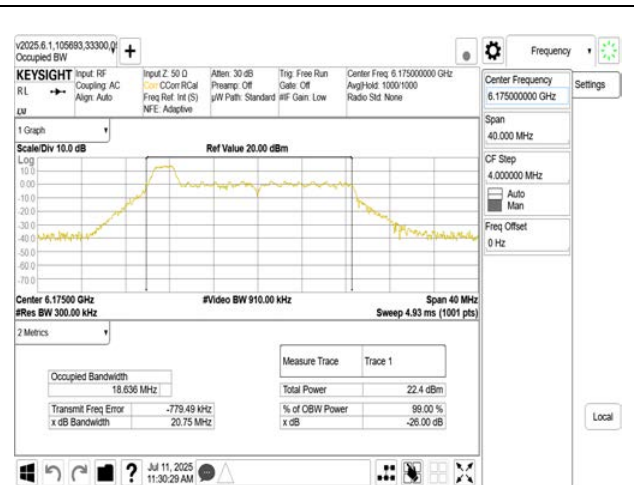
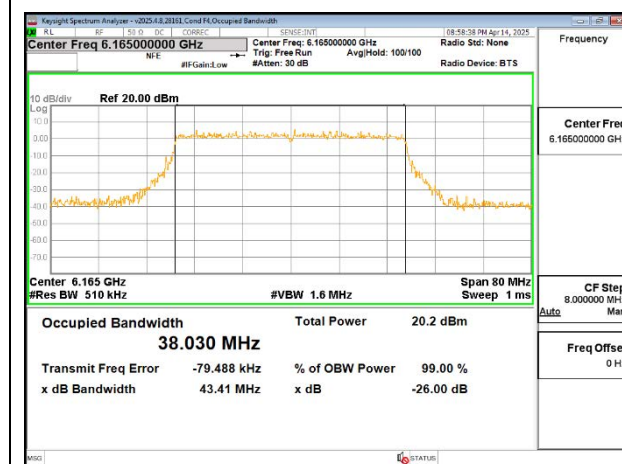
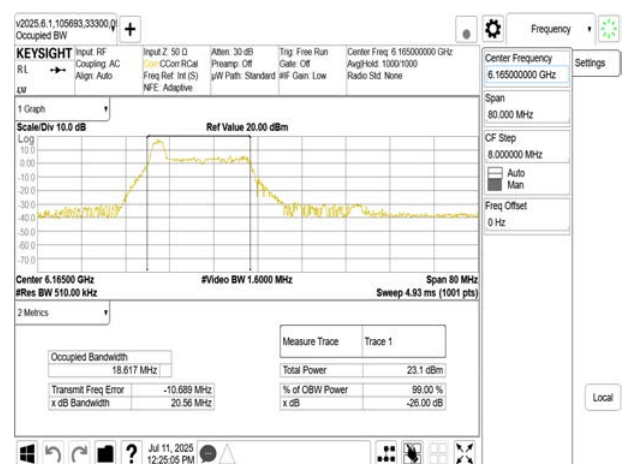
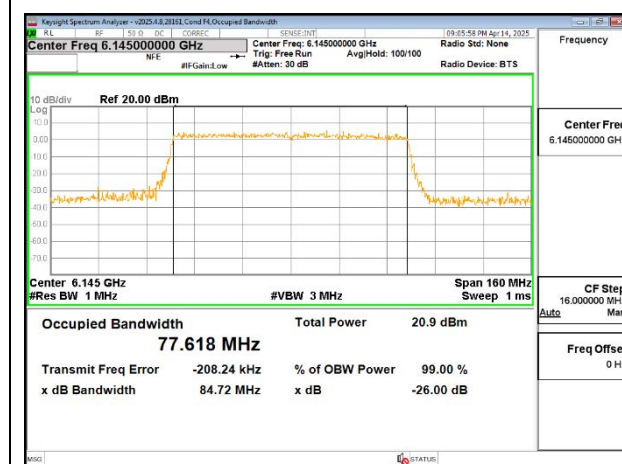
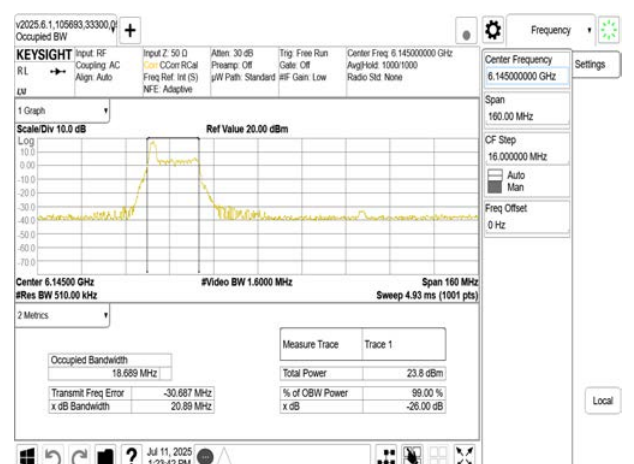
For mask and bandwidth measurements partial RU allocations are tested with the RUs allocated at the lower and upper positions within the channel for the low mid and high channels in each band. Additionally, the center channel is also tested with the RU allocated in the center of the channel to verify that the low / high RU allocations are the worst case.

The plots in these sections are for reference settings only for different bandwidths and different antennas.

The tests performed on this device show that both 99% and 26dB bandwidths are less than 320 MHz for all supported channel bandwidths.

9.3.1. 802.11be SISO MODE IN THE UNII-5 BAND

UNII-5 (SISO)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	5955	1	SU	--	22.53	22.56	19.073	19.059
			26T	0	20.90	20.59	18.720	18.652
				4	18.14	18.34	16.926	16.891
				8	20.46	20.76	18.479	18.487
	6175	45	SU	--	22.19	22.09	19.013	19.007
			26T	0	20.75	20.44	18.636	18.566
				4	18.32	18.25	16.936	16.619
				8	20.68	20.74	18.524	18.590
	6415	93	SU	--	22.62	22.51	19.056	19.014
			26T	0	20.57	20.87	18.710	18.638
				4	18.34	18.33	16.869	16.965
				8	20.42	20.68	18.558	18.476
40 MHz	5965	3	SU	--	43.41	43.09	37.954	38.039
			26T	0	20.93	21.11	18.599	18.640
				9	21.00	21.21	19.038	18.998
				17	20.88	20.54	18.697	18.619
	6165	43	SU	--	43.41	42.75	38.030	37.868
			26T	0	20.56	20.84	18.617	18.540
				9	21.09	21.15	19.142	19.125
				17	20.65	20.32	18.680	18.607
	6405	91	SU	--	42.41	43.55	38.007	38.030
			26T	0	20.93	20.71	18.761	18.638
				9	21.06	21.34	19.205	19.009
				17	20.68	20.21	18.630	18.568
80 MHz	5985	7	SU	--	84.02	84.13	77.526	77.503
			26T	0	20.71	20.43	18.686	18.807
				17	20.47	20.96	18.342	18.745
				36	20.48	20.75	18.593	18.681
	6145	39	SU	--	84.72	85.41	77.618	77.587
			26T	0	20.89	20.30	18.689	18.726
				17	20.51	20.69	18.675	18.740
				36	20.59	20.63	18.828	18.583
	6385	87	SU	--	83.29	85.00	77.553	77.448
			26T	0	20.43	21.00	18.607	18.649
				17	20.68	20.83	18.779	18.538
				36	21.00	20.67	18.497	18.741
160 MHz	6025	15	SU	--	164.50	163.50	156.420	156.210
			26T	0	21.70	20.74	18.999	18.616
				36	21.05	21.17	18.634	18.542
				S36	20.73	21.04	18.674	18.756
	6185	47	SU	--	164.10	163.80	156.440	156.040
			26T	0	20.99	20.78	19.030	18.746
				36	20.64	20.89	18.344	18.477
				S36	20.96	20.58	18.820	18.258
	6345	79	SU	--	164.10	163.60	156.440	156.110
			26T	0	21.38	21.08	18.826	18.694
				36	20.92	20.80	18.689	18.641
				S36	20.69	20.40	18.602	18.898

20MHz - Mid Channel - SU
(UNII-5) - ANT 620MHz - Mid Channel - 26T RU0
(UNII-5) - ANT 640MHz - Mid Channel - SU
(UNII-5) - ANT 640MHz - Mid Channel - 26T RU0
(UNII-5) - ANT 680MHz - Mid Channel - SU
(UNII-5) - ANT 680MHz - Mid Channel - 26T RU0
(UNII-5) - ANT 6

9.3.2. 802.11be MIMO CDD MODE IN THE UNII-5 BAND

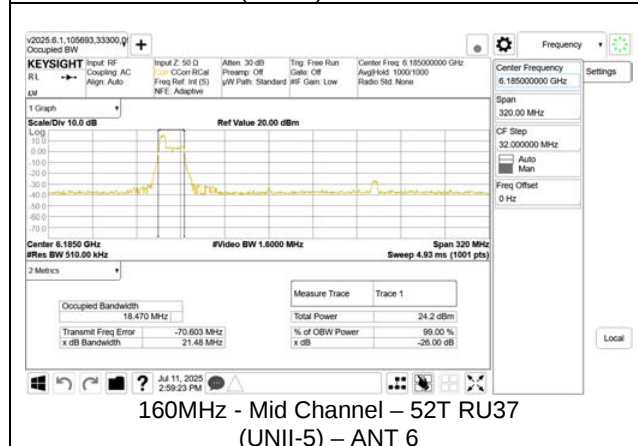
UNII-5 (MIMO CDD)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	5955	1	SU	--	22.33	22.27	19.033	18.958
			52T	37	21.46	21.13	18.372	18.235
				38	18.99	18.46	16.973	16.691
				40	20.64	20.57	18.273	18.180
	6175	45	SU	--	22.23	22.31	19.046	19.010
			52T	37	21.20	20.44	18.394	18.240
				38	19.02	18.42	16.980	16.780
				40	20.96	20.58	18.182	18.241
	6415	93	SU	--	22.67	22.49	18.970	19.030
			52T	37	21.30	20.46	18.465	18.187
				38	19.00	18.44	17.029	16.913
				40	20.87	20.45	18.378	18.118
40 MHz	5965	3	SU	--	43.48	42.33	37.943	37.927
			26T	0	20.93	21.02	18.599	18.630
				9	21.00	21.11	19.038	19.158
				17	20.88	20.71	18.697	18.696
	6165	43	SU	--	43.26	42.59	37.864	37.965
			26T	0	20.56	21.03	18.617	18.685
				9	21.09	21.06	19.142	19.285
				17	20.65	20.65	18.680	18.716
	6405	91	SU	--	44.82	43.45	37.857	37.936
			26T	0	20.93	20.97	18.761	18.668
				9	21.06	21.39	19.205	19.179
				17	20.68	20.63	18.630	18.784
	5985	7	SU	--	84.57	84.41	77.393	77.379
			52T	37	22.24	20.91	18.667	18.256
				45	20.87	20.61	18.404	18.216
				52	20.96	20.81	18.480	18.393
		39	SU	--	84.43	83.51	77.747	77.456
			52T	37	21.45	20.94	18.547	18.263
				45	21.37	20.45	18.452	18.166
				52	20.88	20.62	18.400	18.395
	6385	87	SU	--	84.86	84.19	77.568	77.365
			52T	37	20.96	21.39	18.414	18.242
				45	21.43	20.68	18.402	18.226
				52	20.88	21.06	18.551	18.217
160 MHz	6025	15	SU	--	163.70	163.90	156.050	155.960
			52T	37	21.78	20.76	18.616	18.231
				52	21.40	20.69	18.299	18.227
				S52	21.20	20.66	18.369	18.549
	6185	47	SU	--	163.60	163.60	156.350	155.830
			52T	37	21.48	21.03	18.470	18.311
				52	21.28	21.10	18.330	18.415
				S52	21.20	20.72	18.450	18.355
	6345	79	SU	--	163.50	164.10	156.430	156.270
			52T	37	21.96	21.18	18.475	18.362
				52	21.50	21.20	18.300	18.265
				S52	21.18	21.19	18.550	18.181



20MHz - Mid Channel – 52T RU37
(UNII-5) – ANT 6



80MHz - Mid Channel – 52T RU37
(UNII-5) – ANT 6



160MHz - Mid Channel – 52T RU37
(UNII-5) – ANT 6

9.3.3. 802.11be MIMO SDM MODE IN THE UNII-5 BAND

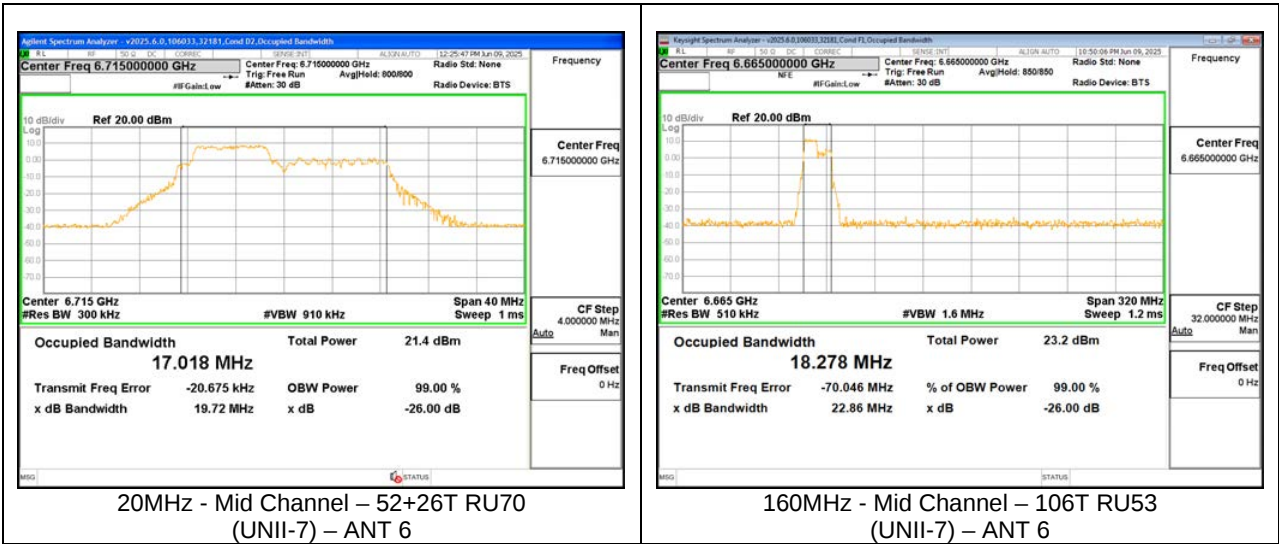
UNII-5 (MIMO CDD)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	5955	1	SU	--	22.29	22.01	18.995	19.000
			52T	37	21.25	20.33	18.398	18.215
				38	18.86	18.23	17.046	16.788
				40	20.71	20.64	18.291	18.243
	6175	45	SU	--	22.78	22.10	18.995	18.968
			52T	37	21.34	20.65	18.420	18.254
				38	18.85	18.39	16.990	16.812
				40	20.80	20.31	18.222	18.270
	6415	93	SU	--	22.82	21.95	18.996	18.018
			52T	37	21.34	20.64	18.437	18.210
				38	18.96	18.41	16.997	16.824
				40	20.57	20.44	18.323	18.224
40 MHz	5965	3	SU	--	43.14	42.48	37.998	37.955
			26T	0	20.88	20.40	18.728	18.456
				9	21.28	20.69	19.089	18.965
				17	20.81	20.44	18.773	18.541
	6165	43	SU	--	42.86	42.62	37.973	37.931
			26T	0	20.77	20.50	18.483	18.441
				9	21.13	21.02	19.153	19.058
				17	20.25	20.11	18.812	18.606
	6405	91	SU	--	43.02	43.31	37.978	37.897
			26T	0	21.13	20.40	18.627	18.465
				9	21.39	21.04	19.165	18.992
				17	20.36	20.37	18.646	18.524
80 MHz	5985	7	SU	--	82.29	81.77	77.546	77.523
			52T	37	21.70	21.13	18.460	18.323
				45	21.21	21.09	18.442	18.253
				52	21.05	20.85	18.587	18.425
	6145	39	SU	--	81.62	81.52	77.508	77.456
			52T	37	21.30	20.68	18.502	18.277
				45	21.73	20.92	18.486	18.155
				52	21.21	20.61	18.368	18.309
	6385	87	SU	--	82.19	82.03	77.439	77.655
			52T	37	21.76	20.75	18.426	18.230
				45	21.36	21.04	18.301	18.247
				52	21.09	20.85	18.436	18.312
160 MHz	6025	15	SU	--	164.50	164.50	156.550	156.450
			52T	37	21.63	20.98	18.584	18.455
				52	21.47	20.87	18.603	17.998
				S52	21.20	20.79	18.434	18.417
	6185	47	SU	--	165.30	166.70	156.400	156.370
			52T	37	20.97	21.08	18.521	18.420
				52	21.32	20.70	18.527	18.120
				S52	20.91	21.16	18.560	18.438
	6345	79	SU	--	164.60	163.90	156.540	156.470
			52T	37	21.63	20.72	18.368	18.350
				52	20.98	20.67	18.465	18.208
				S52	21.68	20.53	18.400	18.258

9.3.4. 802.11be SISO MODE IN THE UNII-7 BAND

UNII-7 (SISO)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	6535	117	SU	--	22.10	22.53	18.995	19.030
			26T	0	20.62	20.74	18.643	18.575
				4	18.27	18.26	16.930	16.911
				8	20.47	20.74	18.555	18.520
	6715	153	SU	--	22.27	22.51	19.019	19.025
			26T	0	20.49	20.53	18.670	18.677
				4	18.32	18.26	16.888	16.862
				8	20.40	20.45	18.534	18.662
	6855	181	SU	--	22.77	22.37	18.989	18.993
			26T	0	20.66	20.46	18.652	18.604
				4	18.34	18.19	16.885	16.868
				8	20.52	20.45	18.594	18.565
40 MHz	6565	123	SU	--	44.21	42.49	37.872	37.946
			26T	0	20.95	20.99	18.599	18.520
				9	21.42	21.10	19.141	19.086
				17	20.67	20.20	18.732	18.525
	6685	147	SU	--	44.50	42.42	38.041	38.037
			26T	0	20.84	20.52	18.543	18.617
				9	20.90	21.13	19.079	19.208
				17	20.49	20.56	18.549	18.462
	6845	179	SU	--	43.14	42.76	38.032	38.033
			26T	0	20.87	20.78	18.699	18.743
				9	21.15	21.17	19.191	19.097
				17	20.53	20.52	18.636	18.600
80 MHz	6625	135	SU	--	84.47	84.61	77.465	77.460
			26T	0	20.74	20.89	18.487	18.753
				17	20.79	20.83	18.566	18.593
				36	20.66	20.85	18.945	18.822
	6705	151	SU	--	84.68	84.57	77.409	77.675
			26T	0	20.97	21.03	18.693	18.662
				17	20.50	20.59	18.696	18.664
				36	20.65	20.92	18.617	18.738
	6785	167	SU	--	84.15	83.21	77.451	77.459
			26T	0	21.03	20.95	18.585	18.555
				17	20.61	20.62	18.620	18.577
				36	20.58	20.62	18.628	18.707
160 MHz	6665	143	SU	--	163.60	163.40	156.290	156.170
			26T	0	20.96	21.16	18.805	18.828
				36	20.98	20.88	18.691	18.584
				S36	20.85	21.22	18.586	18.820

9.3.5. 802.11be MIMO CDD MODE IN THE UNII-7 BAND

UNII-7 (MIMO CDD)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	6535	117	SU	--	22.47	21.89	19.023	19.022
			52+26T	70	19.89	19.50	16.970	16.577
				71	19.33	18.35	16.957	16.786
				72	19.45	18.87	17.086	16.976
	6715	153	SU	--	22.25	21.78	19.022	18.988
			52+26T	70	19.72	19.41	17.018	16.808
				71	19.30	18.55	16.927	16.867
				72	19.62	19.13	16.988	16.912
	6855	181	SU	--	22.54	21.41	19.003	18.987
			52+26T	70	20.14	19.44	17.000	16.917
				71	19.30	18.54	16.978	16.815
				72	19.49	19.12	17.098	16.931
40 MHz	6565	123	SU	--	42.40	42.95	37.973	37.943
			26T	0	20.97	20.28	18.707	18.506
				9	21.34	20.82	19.027	18.841
				17	20.46	20.46	18.464	18.517
	6685	147	SU	--	43.29	42.94	37.971	37.940
			26T	0	20.82	20.40	18.667	18.502
				9	21.50	21.13	19.084	18.902
				17	20.95	20.52	18.558	18.514
	6845	179	SU	--	44.07	44.06	37.979	38.036
			26T	0	20.90	20.66	18.549	18.565
				9	21.26	20.85	19.214	18.910
				17	20.70	20.41	18.621	18.402
80 MHz	6625	135	SU	--	84.31	84.21	77.448	77.509
			26T	0	21.57	21.06	18.355	18.143
				17	20.79	20.66	18.417	18.062
				36	21.24	20.63	18.481	18.309
	6705	151	SU	--	83.54	83.88	77.518	77.327
			52T	37	21.59	20.40	18.387	18.189
				45	21.01	20.78	18.377	18.277
				52	20.58	20.75	18.215	18.337
	6785	167	SU	--	83.56	83.32	77.447	77.471
			52T	37	21.26	20.81	18.412	18.132
				45	21.25	20.55	18.224	18.196
				52	20.53	20.57	18.265	18.259
160 MHz	6665	143	SU	--	164.30	163.30	156.210	155.980
			106T	53	22.86	21.35	18.278	18.096
				60	20.80	20.44	18.249	18.082
				S60	21.43	21.17	18.221	17.966



9.3.6. 802.11be MIMO SDM MODE IN THE UNII-7 BAND

UNII-7 (MIMO CDD)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	6535	117	SU	--	22.80	22.06	19.006	19.053
			52+26	70	19.92	19.47	17.094	16.908
				71	19.24	18.55	16.895	16.849
				72	19.60	18.85	17.102	16.888
	6715	153	SU	--	22.51	21.91	19.066	18.992
			52+26	70	20.33	18.94	17.126	16.919
				71	19.14	18.63	17.027	16.884
				72	19.62	19.19	17.071	16.973
	6855	181	SU	--	22.40	21.89	18.995	19.053
			52+26	70	20.16	19.30	17.064	16.972
				71	19.20	18.44	16.953	16.810
				72	19.24	19.10	17.059	16.959
40 MHz	6565	123	SU	--	43.42	42.79	37.849	37.955
			26T	0	20.81	20.80	18.611	18.454
				9	21.20	20.93	19.159	18.978
				17	20.59	20.76	18.592	18.643
	6685	147	SU	--	43.27	43.04	38.039	37.909
			26T	0	20.56	20.89	18.588	18.532
				9	21.11	20.90	19.103	18.950
				17	20.48	20.25	18.762	18.472
	6845	179	SU	--	43.80	42.41	37.952	38.004
			26T	0	20.81	20.41	18.527	18.454
				9	21.32	20.74	19.168	18.990
				17	20.68	20.43	18.732	18.572
80 MHz	6625	135	SU	--	81.46	81.83	77.559	77.522
			52T	37	20.87	21.11	18.442	18.089
				45	21.18	20.76	18.336	17.979
				52	20.97	20.58	18.457	18.230
	6705	151	SU	--	81.75	82.05	77.364	77.409
			52T	37	21.65	20.61	18.345	18.225
				45	21.68	20.91	18.341	18.047
				52	21.12	20.35	18.386	18.183
	6785	167	SU	--	82.09	82.40	77.425	77.488
			52T	37	21.75	20.72	18.450	18.199
				45	20.88	20.49	18.321	18.291
				52	21.03	20.83	18.448	18.319
160 MHz	6665	143	SU	--	165.60	163.90	156.580	156.570
			106T	53	23.17	21.70	18.408	18.218
				60	19.35	20.31	17.305	17.724
				S60	20.90	21.28	18.089	18.185

9.4. VLP 26 dB AND 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

PROCEDURE

ANSI C63.10

Band	Tones	20MHz (RBW/VBW)	40MHz (RBW/VBW)	80MHz (RBW/VBW)	160MHz (RBW/VBW)
UNII-5/6/7/8	Partial RU	52+26T: 300kHz/910kHz 106T: 300kHz/910kHz 106+26T: 300kHz/910kHz	52T: 510kHz/1.6MHz 106T: 510kHz/1.6MHz 106+26T: 510kHz/1.6MHz 242T: 510kHz/1.6MHz	106T: 510kHz/1.6MHz 106+26T: 510kHz/1.6MHz 242T: 510kHz/1.6MHz 484T: 510kHz/1.6MHz 484+242T: 1MHz/3MHz	484T: 510kHz/1.6MHz 996T: 1MHz/3MHz 996+484T: 2MHz/6MHz
	SU	300kHz/910kHz	510kHz/1.6MHz	1MHz/3MHz	2MHz/6MHz

RESULTS

ID:	27294
Date:	2025-07-31

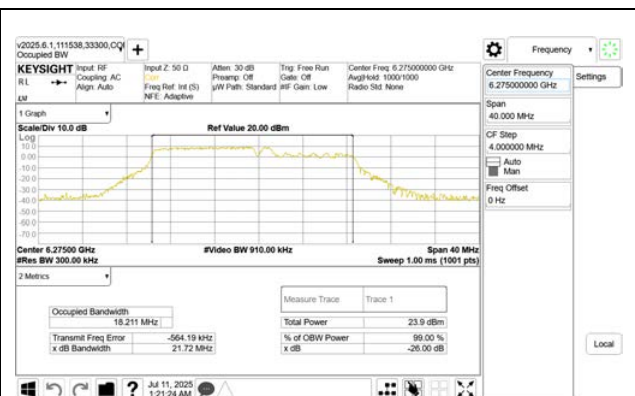
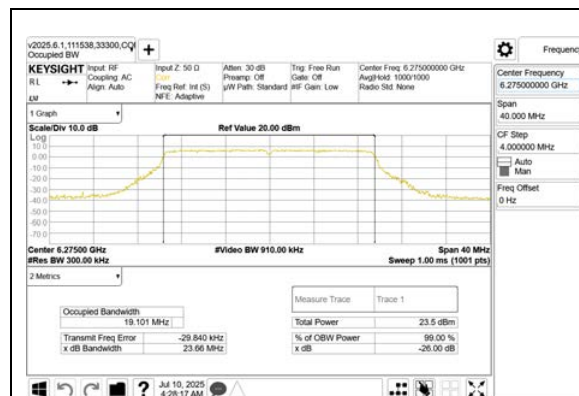
For mask and bandwidth measurements partial RU allocations are tested with the RUs allocated at the lower and upper positions within the channel for the low mid and high channels in each band. Additionally, the center channel is also tested with the RU allocated in the center of the channel to verify that the low / high RU allocations are the worst case.

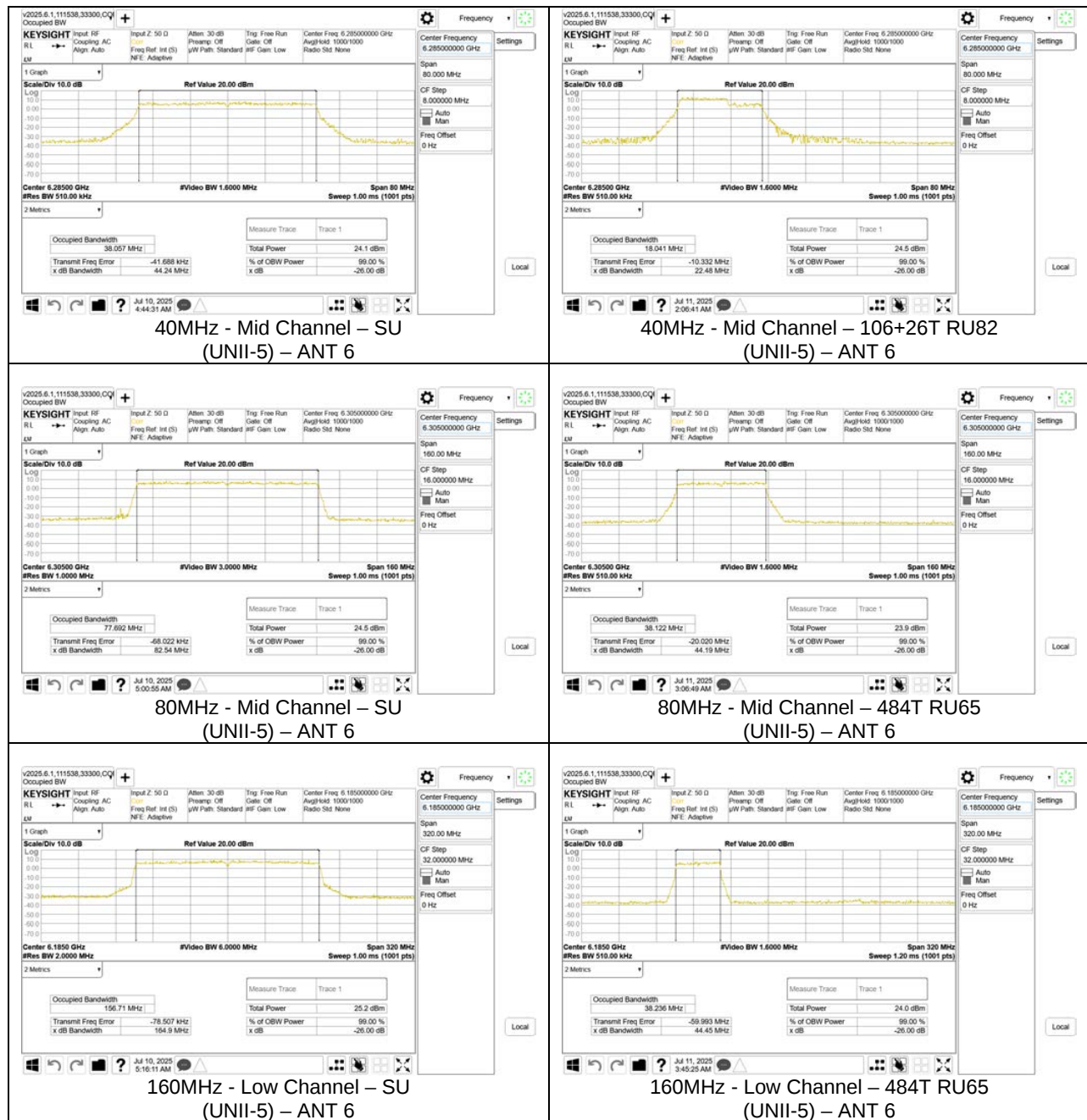
The plots in these sections are for reference settings only for different bandwidths and different antennas.

The tests performed on this device show that both 99% and 26dB bandwidths are less than 320 MHz for all supported channel bandwidths.

9.4.1. 802.11be SISO MODE IN THE UNII-5 BAND

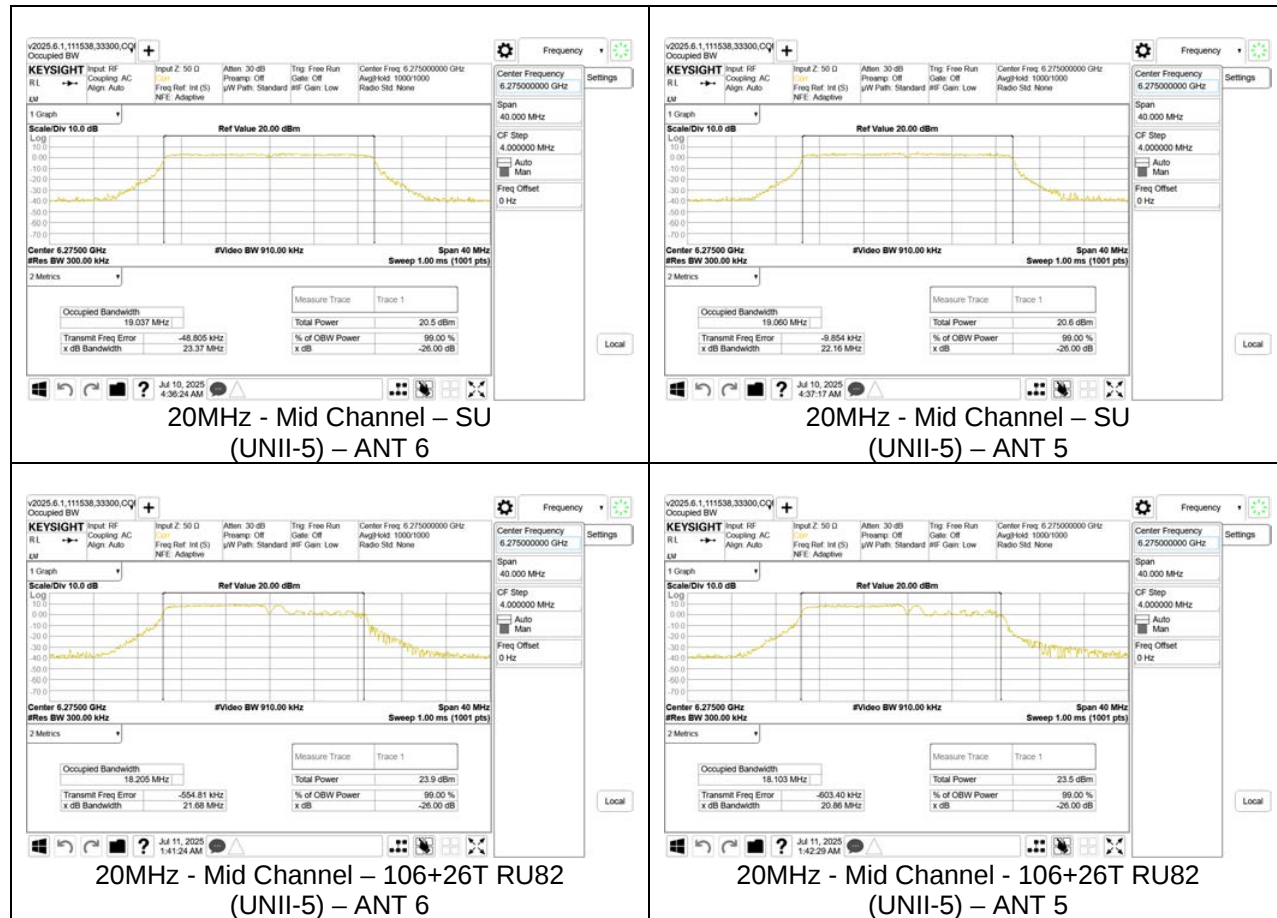
UNII-5 (SISO)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	6115	33	SU	--	23.38	23.11	19.074	19.056
			106+26	82	21.65	21.76	18.027	18.269
				83	21.15	20.82	18.131	18.139
	6275	65	SU	--	23.66	22.94	19.101	19.010
			106+26	82	21.72	21.17	18.211	18.238
				83	21.58	21.04	18.083	18.169
40 MHz	6125	35	SU	--	22.94	23.15	19.043	19.016
			106+26	82	21.72	21.98	18.256	18.244
				83	20.95	20.90	18.151	18.146
	6285	67	SU	--	44.17	43.68	38.042	37.960
			106+26	82	22.23	22.30	18.012	18.057
				84	22.59	22.36	18.618	18.655
				85	21.52	21.43	17.969	18.012
			SU	--	44.24	43.22	38.057	38.009
			106+26	82	22.48	22.20	18.041	18.089
	6405	91		84	22.52	22.50	18.537	18.601
				85	21.61	21.45	18.031	17.956
			SU	--	43.74	43.92	37.988	37.978
			106+26	82	22.15	22.11	18.032	18.045
				84	22.50	22.64	18.627	18.627
				85	21.01	20.95	17.944	17.959
80 MHz	6145	39	SU	--	82.39	84.63	77.650	77.559
			484	65	45.06	44.44	38.165	38.156
				66	44.15	43.61	38.213	38.157
	6305	71	SU	--	82.54	84.73	77.692	77.804
			484	65	44.19	43.94	38.122	38.145
				66	44.61	44.60	38.129	38.134
	6385	87	SU	--	82.50	84.17	77.469	77.795
			484	65	44.43	43.93	38.057	38.114
				66	44.77	44.30	38.092	38.092
160 MHz	6185	47	SU	--	164.90	164.40	156.710	156.360
			484	65	44.45	43.65	38.236	38.232
				66	43.65	43.87	38.493	38.539
				S66	44.46	44.47	38.310	38.318
	6345	79	SU	--	164.80	164.10	156.320	156.300
			484	65	44.10	43.37	38.335	38.274
				66	42.93	44.44	38.508	38.514
				S66	44.18	44.82	38.345	38.257





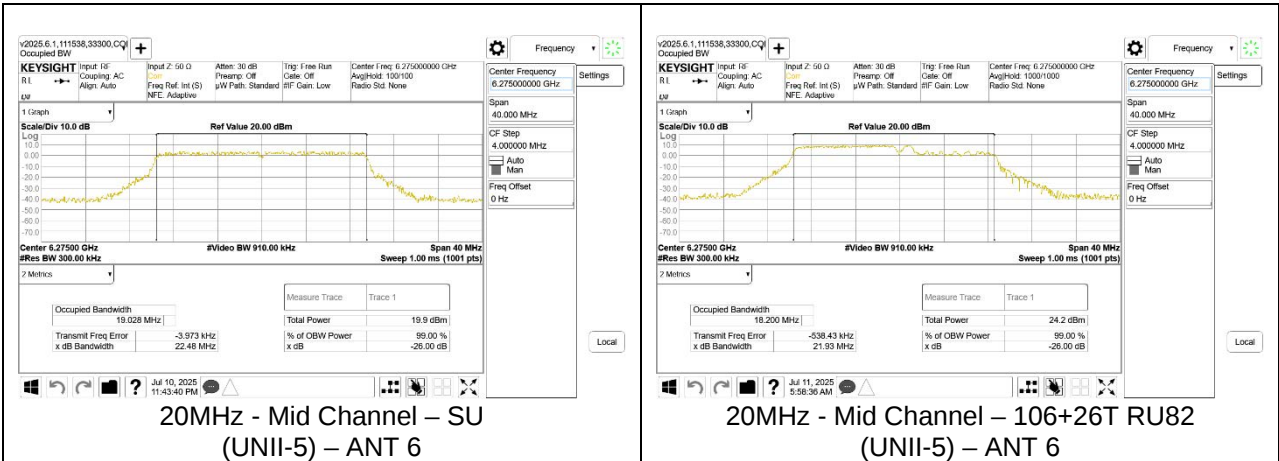
9.4.2. 802.11be MIMO CDD MODE IN THE UNII-5 BAND

UNII-5 (MIMO CDD)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	6115	33	SU	--	22.92	22.65	19.035	19.016
			106+26	82	21.78	20.90	18.177	18.108
				83	20.92	20.57	18.110	18.127
	6275	65	SU	--	23.37	22.16	19.037	19.060
			106+26	82	21.68	20.86	18.205	18.103
				83	21.11	20.71	18.162	18.090
	6415	93	SU	--	23.16	22.45	19.029	19.021
			106+26	82	21.56	20.69	18.216	18.125
				83	21.27	20.43	18.079	18.079
40 MHz	6125	35	SU	--	45.09	44.17	38.031	37.987
			106+26	82	22.15	21.27	18.038	17.866
				84	22.21	21.56	18.575	18.479
				85	21.42	20.80	18.029	17.939
	6285	67	SU	--	43.97	45.08	38.003	37.991
			106+26	82	22.35	21.25	18.028	17.912
				84	22.61	21.81	18.663	18.566
				85	21.35	21.05	17.992	17.918
	6405	91	SU	--	43.83	42.96	38.013	38.005
			106+26	82	22.36	21.64	17.985	17.882
				84	22.46	21.57	18.552	18.380
				85	21.66	20.72	18.004	17.912
80 MHz	6145	39	SU	--	82.41	82.25	77.563	77.456
			484	65	44.57	44.12	38.182	38.119
				66	44.45	44.28	38.129	38.142
	6305	71	SU	--	82.44	82.21	77.432	77.456
			484	65	44.55	45.18	38.142	38.150
				66	44.39	43.63	38.151	38.117
	6385	87	SU	--	82.46	82.04	77.502	77.476
			484	65	45.27	43.46	38.136	38.144
				66	43.79	44.12	38.147	38.053
160 MHz	6185	47	SU	--	166.40	166.40	156.770	156.690
			484	65	44.39	43.98	38.331	38.196
				66	43.53	41.98	38.730	38.473
				S66	44.71	44.17	38.362	38.255
	6345	79	SU	--	165.200	166.200	156.560	156.490
			484	65	43.98	43.41	38.286	38.271
				66	43.83	43.21	38.762	38.365
				S66	44.48	44.03	37.358	38.221



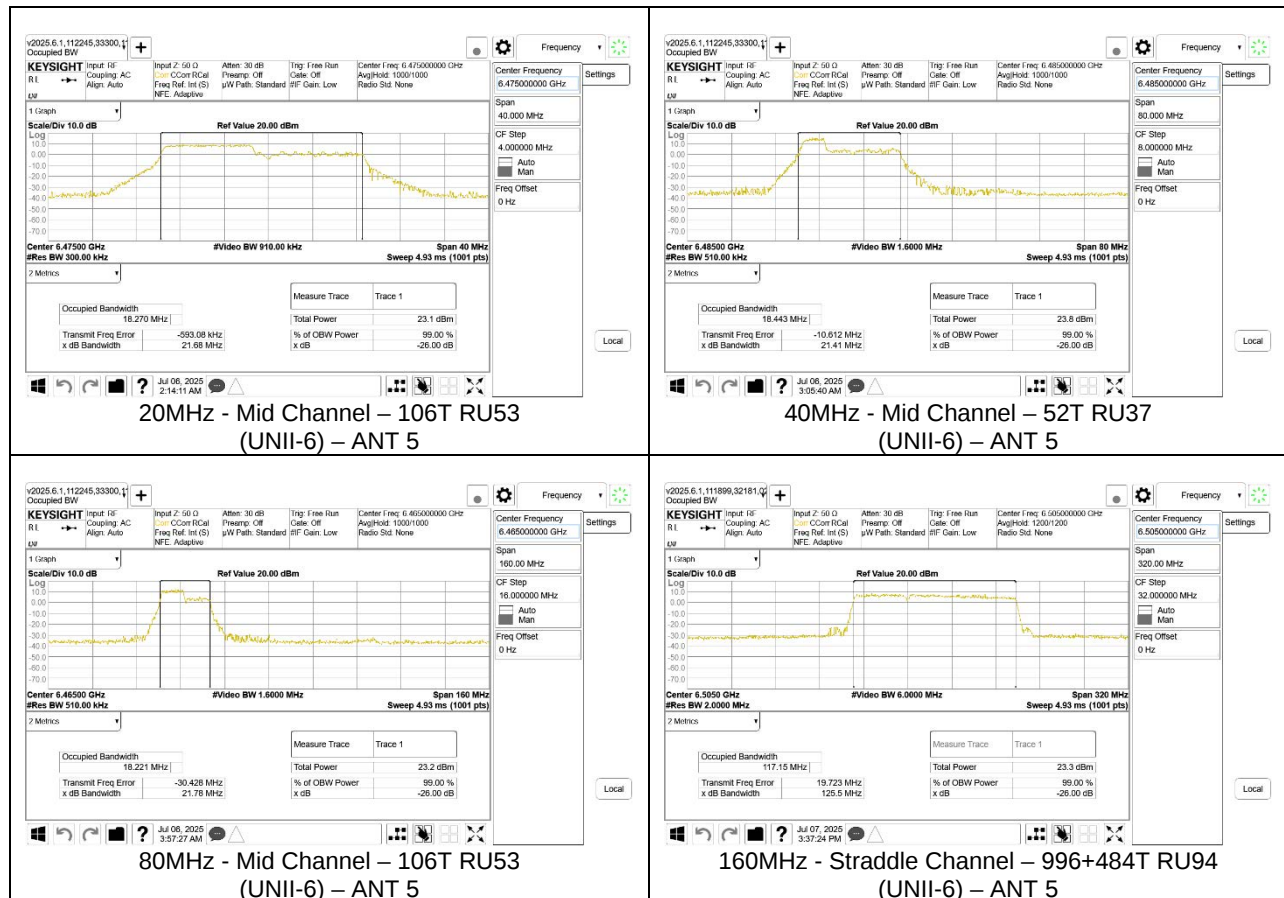
9.4.3. 802.11be MIMO SDM MODE IN THE UNII-5 BAND

UNII-5 (MIMO CDD)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	6115	33	SU	--	22.55	22.05	19.042	19.031
			106+26	82	22.18	20.85	18.197	18.094
				83	21.16	20.41	18.115	18.082
	6275	65	SU	--	22.48	21.81	19.028	18.987
			106+26	82	21.93	20.99	18.200	17.987
				83	20.95	20.39	18.083	18.112
	6415	93	SU	--	22.47	21.74	19.002	18.966
			106+26	82	21.83	20.77	18.236	18.059
				83	20.87	20.53	18.094	18.031
40 MHz	6125	35	SU	--	42.99	42.41	37.867	37.901
			106+26	82	22.35	21.28	18.058	17.906
				84	22.74	21.71	18.676	18.476
	6285	67	SU	--	21.31	20.78	18.005	17.959
				--	43.74	42.66	37.953	37.925
				82	22.20	21.40	18.111	17.906
			106+26	84	22.53	22.04	18.605	18.546
				85	21.60	20.62	18.042	17.940
				--	43.91	42.87	38.008	37.946
	6405	91	SU	--	22.00	21.40	18.049	17.816
				82	22.41	21.92	18.631	18.452
				84	22.09	20.37	18.040	17.906
			106+26	--	81.80	82.16	77.629	77.428
				65	43.97	44.04	38.083	38.141
				66	44.11	43.90	38.181	38.158
80 MHz	6145	39	SU	--	81.76	81.75	77.396	77.389
			484	65	44.43	44.14	38.219	38.052
				66	44.20	44.37	38.046	38.201
	6305	71	SU	--	81.94	81.75	77.370	44.465
			484	65	44.24	43.84	38.128	38.119
				66	44.52	43.35	38.157	38.120
	6385	87	SU	--	165.90	164.40	156.720	156.910
			484	65	43.68	43.51	38.326	38.206
				66	43.98	43.45	38.394	38.494
160 MHz	6185	47	SU	--	44.18	43.70	38.304	38.150
			484	S66	43.70	43.70	38.304	38.150
				--	164.40	165.60	156.740	156.310
	6345	79	SU	--	44.15	44.27	38.335	38.219
				65	44.47	43.69	38.650	38.353
				66	44.07	44.28	38.327	38.198
			484	65	44.15	44.27	38.335	38.219
				66	43.47	43.69	38.650	38.353
				S66	44.07	44.28	38.327	38.198



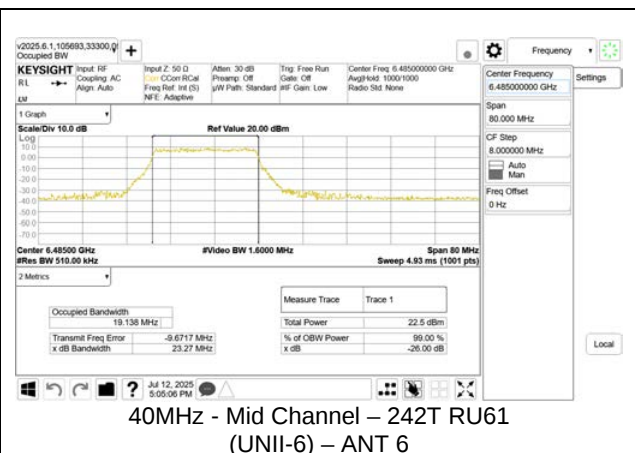
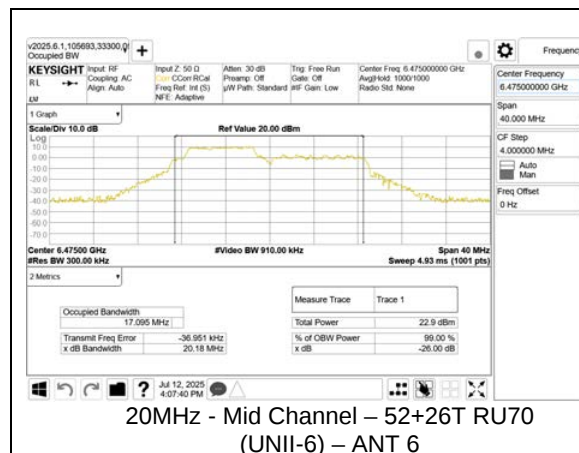
9.4.4. 802.11be SISO MODE IN THE UNII-6 BAND

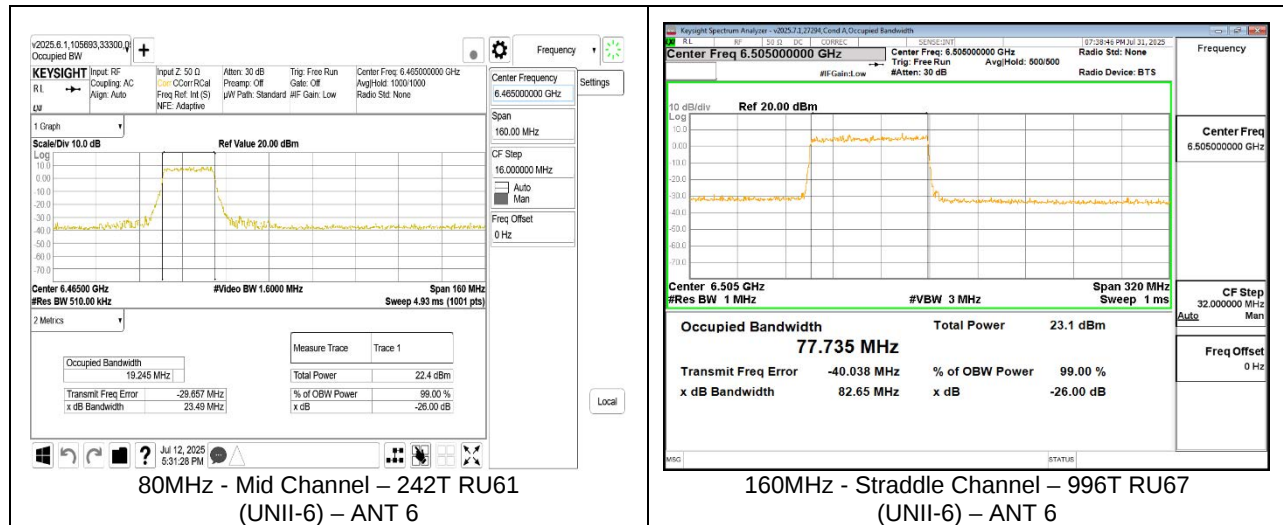
UNII-6 (SISO)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	6435	97	SU	--	22.69	22.12	19.080	19.021
			106T	53	21.81	21.82	18.255	18.246
				54	21.10	21.05	18.168	18.261
	6475	105	SU	--	22.13	22.57	19.040	19.033
			106T	53	21.74	21.68	18.256	18.270
				54	21.06	21.19	18.171	18.167
	6515	113	SU	--	22.64	22.73	19.020	19.034
			106T	53	21.77	21.34	18.264	18.290
				54	20.90	21.41	18.169	18.166
40 MHz	6445	99	SU	--	43.09	43.96	37.915	38.021
			52T	37	21.45	21.16	18.274	18.291
				41	21.64	21.52	18.796	18.881
				44	20.86	20.90	18.395	18.315
	6485	107	SU	--	43.77	43.44	38.904	37.947
			52T	37	21.67	21.41	18.365	18.443
				41	21.88	21.57	18.815	18.714
				44	20.93	20.81	18.292	18.491
	6525 (Straddle)	115	SU	--	43.31	43.92	38.060	37.952
			52T	37	21.87	21.63	18.340	18.318
				41	21.53	21.51	18.923	18.924
				44	21.10	21.06	18.390	18.460
80 MHz	6465	103	SU	--	81.94	84.56	77.355	77.480
			106T	53	21.66	21.78	18.084	18.221
				56	20.72	21.04	18.162	18.136
				60	21.51	21.33	18.137	18.119
160MHz	6505 (Straddle)	111	SU	--	164.10	164.30	156.370	156.200
			996+484	94	124.60	125.50	117.150	117.150
				95	169.30	169.80	157.130	157.170
				S95	124.90	125.30	117.340	117.210



9.4.5. 802.11be MIMO CDD MODE IN THE UNII-6 BAND

UNII-6 (MIMO CDD)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	6435	97	SU	--	22.02	22.30	18.988	19.048
			56+26T	70	19.88	19.24	17.091	16.923
				71	19.24	18.42	17.039	16.861
				72	19.78	19.03	17.031	16.961
	6475	105	SU	--	22.60	22.00	18.994	19.002
			56+26T	70	20.18	19.53	17.095	16.940
				71	19.32	18.48	16.947	16.837
				72	19.85	19.29	17.015	16.986
	6515	113	SU	--	22.65	22.67	19.000	18.989
			56+26T	70	20.26	19.34	17.098	16.931
				71	19.39	18.52	16.984	16.867
				72	19.91	19.19	17.052	16.909
40 MHz	6445	99	SU	--	42.82	42.67	37.960	38.018
			242	61	23.42	23.45	19.080	19.081
				62	23.46	23.25	19.096	19.039
	6485	107	SU	--	42.59	42.47	37.886	37.957
			242	61	23.27	22.90	19.138	19.141
				62	23.75	22.92	19.059	19.103
	6525 (Straddle)	115	SU	--	42.76	42.73	37.954	37.892
			242	61	23.41	23.31	19.138	19.041
				62	23.70	23.11	19.137	19.146
80 MHz	6465	103	SU	--	81.93	81.75	77.462	77.504
			242	61	23.49	23.08	19.245	19.157
				62	23.16	23.50	19.162	19.163
				64	23.62	23.04	19.128	19.172
160 MHz	6505 (Straddle)	111	SU	--	165.00	164.90	156.570	156.470
			996T	67	82.65	82.41	77.735	77.726
				S67	82.55	82.38	77.723	77.738



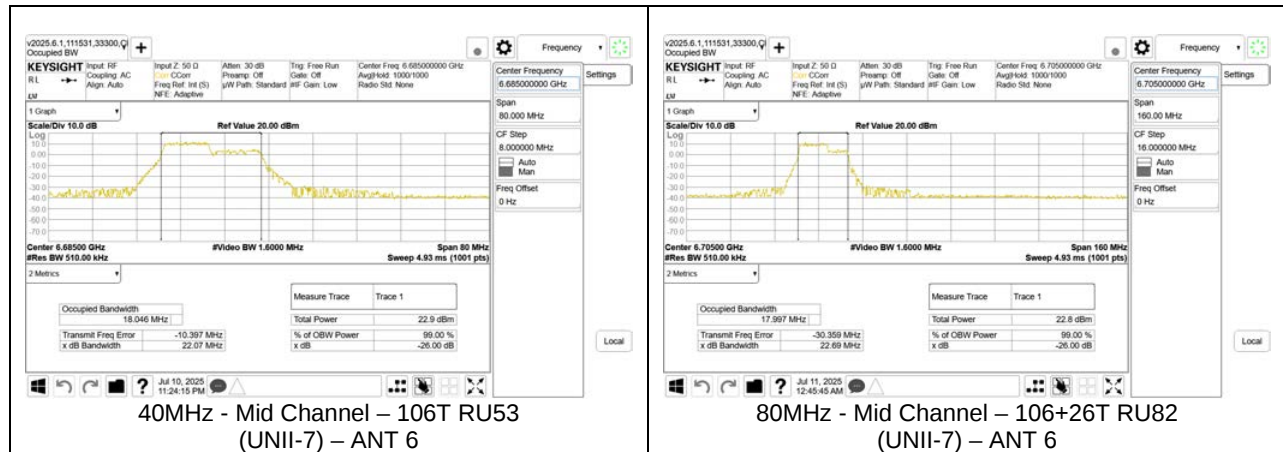


9.4.6. 802.11be MIMO SDM MODE IN THE UNII-6 BAND

UNII-6 (MIMO SDM)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	6435	97	SU	--	22.79	22.01	18.994	18.995
			56+26T	70	20.32	19.42	17.079	16.964
				71	19.33	18.53	17.029	16.841
				72	19.81	18.92	16.679	16.935
	6475	105	SU	--	22.64	21.89	19.034	19.043
			56+26T	70	19.98	19.22	17.065	16.975
				71	19.37	18.52	17.026	16.858
				72	19.40	19.31	16.987	16.905
	6515	113	SU	--	22.21	22.19	18.984	19.017
			56+26T	70	19.74	19.55	17.110	16.941
				71	19.37	18.65	17.040	16.861
				72	19.39	19.01	17.082	16.908
40 MHz	6445	99	SU	--	43.58	44.07	37.962	38.005
			242	61	23.22	23.29	19.201	19.099
				62	23.42	22.77	19.128	19.137
	6485	107	SU	--	42.66	42.74	37.979	37.952
			242	61	23.22	23.69	19.129	19.202
				62	23.64	23.22	19.126	19.106
	6525 (Straddle)	115	SU	--	42.86	43.29	37.955	37.949
			242	61	23.65	23.35	19.137	19.091
				62	23.23	23.41	19.122	19.099
	6465	103	SU	--	82.15	81.84	77.552	77.377
			242	61	23.43	23.22	19.186	19.102
				62	24.00	22.94	19.191	19.131
				64	23.40	23.14	19.210	19.158
160 MHz	6505 (Straddle)	111	SU	--	165.70	164.40	156.450	156.310
			996T	67	82.53	82.58	77.725	77.788
				S67	82.41	82.09	77.901	77.615

9.4.7. 802.11be SISO MODE IN THE UNII-7 BAND

UNII-7 (SISO)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	6535	117	SU	--	22.50	22.78	19.056	19.022
			106T	53	21.64	21.73	18.258	18.238
				54	21.08	21.02	18.215	18.165
	6715	153	SU	--	22.38	22.58	18.991	18.990
			106T	53	21.70	21.85	18.234	18.265
				54	20.76	21.07	18.205	18.106
	6875 (Straddle)	185	SU	--	22.14	22.59	18.991	19.045
			106T	53	21.81	21.90	18.267	18.201
				54	20.85	20.94	18.194	18.208
40 MHz	6565	123	SU	--	43.42	42.96	37.965	37.891
			106T	53	21.47	22.02	18.067	17.991
				54	21.70	21.23	18.660	18.551
				56	20.90	21.21	18.139	17.984
	6685	147	SU	--	43.28	43.28	37.949	38.034
			106T	53	22.07	22.43	18.046	18.108
				54	21.51	21.45	18.587	18.608
				56	21.04	21.18	18.087	18.066
	6845	179	SU	--	44.20	43.45	37.989	37.981
			106T	53	21.86	22.20	18.220	18.085
				54	21.72	21.50	18.691	18.761
				56	21.95	21.06	18.077	18.105
80 MHz	6545 (Straddle)	119	SU	--	81.91	84.68	77.391	77.567
			106+26T	82	22.11	20.90	18.162	18.098
				85	21.64	21.42	18.027	17.958
				89	21.37	21.59	17.987	18.081
	6705	151	SU	--	82.02	85.06	77.444	77.534
			106+26T	82	22.69	22.27	17.997	18.151
				85	21.25	21.27	17.959	17.995
				89	21.08	21.53	17.938	18.107
	6865 (Straddle)	183	SU	--	81.86	83.96	77.484	77.422
			106+26T	82	21.68	21.63	18.156	18.085
				85	21.73	21.41	18.043	18.037
				89	21.49	21.69	18.044	18.079
160 MHz	6665	143	SU	--	164.20	163.20	156.550	156.240
			996T	67	82.35	84.13	77.598	77.760
				S67	82.40	84.46	77.738	77.785
	6825 (Straddle)	175	SU	--	167.10	164.80	156.410	156.670
			996T	67	82.32	84.61	77.672	77.853
				S67	81.90	84.32	77.490	77.885



9.4.8. 802.11be MIMO CDD MODE IN THE UNII-7 BAND

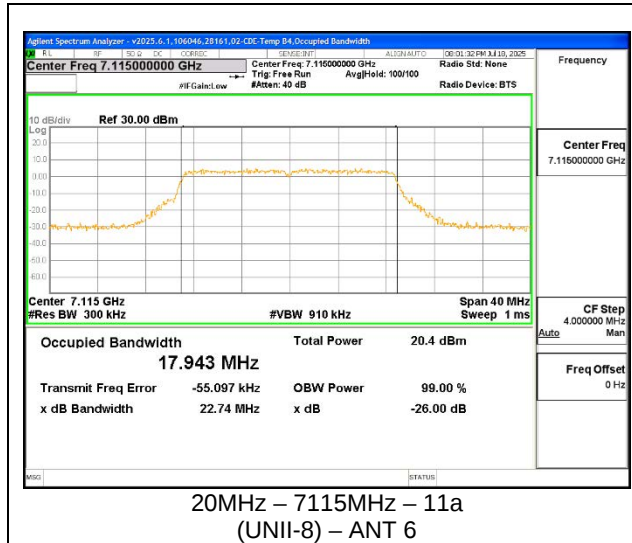
UNII-7 (MIMO CDD)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	6535	117	SU	--	22.40	22.22	19.015	18.971
			106+26	82	21.65	21.02	18.229	18.071
				83	21.08	20.49	18.095	18.148
	6715	153	SU	--	22.60	22.30	18.989	19.027
			106+26	82	21.62	20.86	18.175	18.117
				83	21.25	21.03	18.123	18.121
	6875 (Straddle)	185	SU	--	22.67	22.09	18.997	19.019
			106+26	82	21.77	21.08	18.148	18.026
				83	20.67	20.55	18.097	17.956
40 MHz	6565	123	SU	--	43.11	42.75	38.047	37.934
			106T	53	21.86	21.49	18.102	17.962
				54	21.46	21.18	18.656	18.597
				56	21.59	20.78	18.122	17.988
	6685	147	SU	--	43.71	42.80	37.946	38.013
			106T	53	21.98	21.13	18.064	17.954
				54	21.34	21.15	18.672	18.452
				56	21.04	20.76	18.094	18.056
	6845	179	SU	--	43.53	42.71	37.838	37.915
			106T	53	22.41	21.20	18.049	17.924
				54	21.34	21.19	18.672	18.503
				56	21.19	20.80	17.981	17.950
80 MHz	6545 (Straddle)	119	SU	--	81.55	82.04	77.407	77.511
			484+242T	90	62.66	62.89	58.567	58.586
				92	82.48	82.01	77.853	77.766
				93	63.26	62.75	58.586	58.570
	6705	151	SU	--	84.36	84.92	77.570	77.483
			484+242T	90	65.53	65.49	58.561	58.623
				92	84.34	83.68	78.066	77.828
				93	67.16	65.97	58.679	58.620
	6865 (Straddle)	183	SU	--	84.43	82.76	77.356	77.598
			484+242T	90	66.30	66.32	58.560	58.624
				92	83.93	83.26	77.820	77.968
				93	68.51	66.28	58.777	58.666
160 MHz	6665	143	SU	--	164.30	163.80	156.100	156.330
			996+484T	94	124.10	123.10	117.020	117.180
				95	163.90	164.00	157.100	157.160
				S95	124.10	124.60	117.110	117.260
	6825 (Straddle)	175	SU	--	163.40	164.00	156.750	156.580
			996+484T	94	123.50	124.30	116.930	117.290
				95	164.40	163.60	157.290	157.360
				S95	123.80	124.20	117.200	117.460

9.4.9. 802.11be MIMO SDM MODE IN THE UNII-7 BAND

UNII-7 (MIMO CDD)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	6535	117	SU	--	22.33	21.73	18.992	19.016
			106+26T	82	22.01	20.83	18.211	18.064
				83	21.24	20.81	18.045	18.118
	6715	153	SU	--	22.46	22.18	18.987	18.990
			106+26T	82	21.89	20.82	18.203	18.124
				83	21.14	20.59	18.173	18.131
	6875 (Straddle)	185	SU	--	22.32	21.92	19.017	18.971
			106+26T	82	21.67	20.94	18.252	18.102
				83	20.80	20.85	18.120	18.017
40 MHz	6565	123	SU		42.72	44.41	37.999	37.872
			106T	53	21.81	21.55	18.037	18.062
				54	21.37	21.05	18.645	18.365
				56	21.26	20.48	18.072	17.931
	6685	147	SU	--	42.29	43.30	38.046	38.030
			106T	53	22.12	21.05	18.231	17.994
				54	21.67	21.52	18.688	18.599
				56	21.35	20.70	18.128	17.976
	6845	179	SU	--	43.16	42.26	37.950	37.959
			106T	53	22.11	21.38	18.031	17.964
				54	21.44	21.27	18.668	18.593
				56	21.42	21.21	18.091	18.027
80 MHz	6545 (Straddle)	119	SU	--	82.41	81.68	77.444	77.544
			484+242T	90	63.55	63.27	58.578	58.631
				92	82.28	82.08	77.849	77.945
				93	62.92	63.05	58.443	58.436
	6705	151	SU	--	83.19	83.89	77.483	77.439
			484+242T	90	66.05	67.77	58.610	58.566
				92	84.43	83.94	78.008	77.799
				93	67.26	67.02	58.577	58.560
	6865 (Straddle)	183	SU	--	84.92	83.70	77.459	77.585
			484+242T	90	68.86	65.22	58.699	58.567
				92	84.41	83.23	78.067	77.780
				93	65.59	64.72	58.559	58.641
160 MHz	6665	143	SU	--	163.90	164.20	155.970	156.390
			996+484T	94	122.80	123.40	117.350	117.320
				95	164.00	163.90	157.160	157.160
				S95	125.50	122.90	117.420	117.320
	6825 (Straddle)	175	SU	--	163.20	163.90	156.560	156.410
			996+484T	94	124.30	124.30	117.260	117.430
				95	163.80	163.80	157.510	157.110
				S95	125.00	123.90	117.270	117.270

9.4.10. 802.11a SISO MODE IN THE UNII-8 BAND

UNII-8 (SISO)	Frequency (MHz)	Channel Number	Mode	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
				ANT 6	ANT 5	ANT 6	ANT 5
20MHz	6895	189	11a	22.55	22.52	17.907	17.931
	6995	209		21.94	22.17	17.993	17.939
	7115	233		22.74	22.41	17.943	18.067



9.4.11. 802.11be SISO MODE IN THE UNII-8 BAND

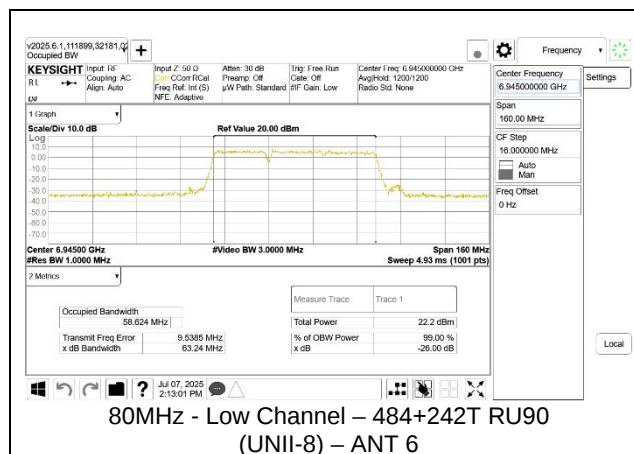
UNII-8 (SISO)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	6895	189	SU	--	22.72	22.64	19.070	19.024
			106+26T	82	22.05	22.05	18.251	18.253
				83	21.27	20.80	18.108	18.159
	6995	209	SU	--	22.30	22.82	18.988	19.059
			106+26T	82	21.79	21.65	18.245	18.245
				83	21.12	21.03	18.155	18.098
	7095	229	SU	--	21.95	22.62	19.029	18.984
			106+26T	82	21.71	21.99	18.237	18.219
				83	21.16	21.02	18.169	18.198
40 MHz	6885 (Straddle)	187	SU	--	43.53	43.55	37.929	38.026
			106T	53	22.12	22.14	18.109	18.070
				54	21.38	21.58	18.711	18.656
				56	21.75	22.60	18.112	18.737
	6965	203	SU	--	43.37	43.93	37.992	37.917
			106T	53	22.27	22.17	18.018	18.091
				54	21.66	21.65	18.540	18.670
				56	22.54	22.36	18.719	18.693
	7085	227	SU	--	43.82	43.82	38.023	37.873
			106T	53	21.78	21.78	18.118	18.089
				54	21.97	21.38	18.690	18.650
				56	22.16	22.83	18.754	18.705
80 MHz	6945	199	SU	--	84.67	84.96	77.512	77.409
			484T	65	45.19	44.26	38.151	38.223
				66	44.20	43.86	38.101	38.142
	7025	215	SU	--	84.39	84.48	77.608	77.567
			484T	65	45.34	44.57	38.121	38.138
				66	44.53	44.80	38.170	38.147
160 MHz	6985	207	SU	--	163.60	163.80	156.510	156.410
			996T	67	82.32	82.49	77.709	77.584
				S67	82.45	82.58	77.534	77.617

9.4.12. 802.11a MIMO MODE IN THE UNII-8 BAND

UNII-8 (MIMO)	Frequency (MHz)	Channel Number	Mode	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
				ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	7115	233	11a	22.72	23.19	18.011	17.919

9.4.13. 802.11be MIMO CDD MODE IN THE UNII-8 BAND

UNII-8 (MIMO CDD)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20 MHz	6895	189	SU	--	22.74	22.36	19.025	19.006
			106+26T	82	21.89	20.78	18.250	18.120
				83	21.01	20.66	18.183	18.091
	6995	209	SU	--	22.24	22.69	18.797	19.027
			106+26T	82	21.89	20.92	18.232	18.104
				83	21.07	20.59	18.149	18.110
	7095	229	SU	--	22.32	22.21	19.005	19.085
			106+26T	82	22.17	20.75	18.236	18.098
				83	21.31	20.58	18.097	18.178
40 MHz	6885 (Straddle)	187	SU	--	44.45	41.97	37.920	37.910
			242T	61	23.42	23.12	19.182	19.003
				62	23.98	23.24	19.196	19.075
	6965	203	SU	--	42.93	43.05	37.852	37.961
			242T	61	23.35	22.93	19.078	19.050
				62	23.39	22.88	19.092	18.082
	7085	227	SU	--	43.13	42.03	37.909	37.960
			242T	61	23.24	23.32	19.150	19.057
				62	23.80	23.14	19.097	19.068
80 MHz	6945	199	SU	--	84.88	83.38	77.743	77.756
			484+242	90	63.24	63.18	58.624	58.581
				92	82.34	82.20	78.014	77.921
				93	63.30	62.80	58.582	58.503
	7025	215	SU	--	84.17	83.97	77.598	77.509
			484+242	90	63.46	62.82	58.538	58.533
				92	82.46	82.12	77.964	77.940
93				63.17	63.49	58.616	58.644	
160 MHz	6985	207	SU	--	163.60	163.80	156.580	157.010
			996+484	94	125.40	124.90	117.190	117.220
				95	171.90	170.70	157.560	157.360
				S95	125.50	125.20	117.340	117.250



9.4.14. 802.11be MIMO SDM MODE IN THE UNII-8 BAND

UNII-8 (MIMO SDM)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					ANT 6	ANT 5	ANT 6	ANT 5
20MHz	6895	189	SU	--	22.42	22.17	19.048	18.977
			106+26T	82	21.99	20.78	18.244	18.080
				83	21.56	20.63	18.163	18.054
	6995	209	SU	--	22.37	21.86	18.989	19.028
			106+26T	82	21.98	20.64	18.233	18.130
				83	21.12	20.52	18.113	18.103
	7095	229	SU	--	22.91	21.68	18.976	18.966
			106+26T	82	21.82	20.77	18.210	18.109
				83	21.29	20.39	18.154	18.124
40MHz	6885 (Straddle)	187	SU	--	43.73	42.67	38.022	38.056
			242T	61	23.61	23.24	19.146	19.106
				62	23.38	23.28	19.125	19.105
	6965	203	SU	--	43.94	42.29	37.950	37.930
			242T	61	23.60	23.13	19.134	19.047
				62	23.29	23.39	19.186	19.113
	7085	227	SU	--	43.01	42.67	38.050	38.039
			242T	61	23.03	23.17	19.155	19.083
				62	23.86	22.98	19.119	19.194
80MHz	6945	199	SU	--	84.16	84.68	77.524	77.537
			484+242T	90	63.23	63.01	58.751	58.510
				92	82.39	82.22	78.017	77.992
				93	63.21	63.45	58.669	58.718
	7025	215	SU	--	84.67	82.80	77.520	77.532
			484+242T	90	62.12	63.65	58.699	58.564
				92	82.06	82.63	77.911	77.993
				93	63.48	63.05	58.651	58.529
				--	164.30	163.40	156.580	156.490
				94	124.90	124.80	117.380	117.170
160MHz	6985	207	996+484T	95	171.50	170.80	157.360	157.160
				S95	125.10	124.80	117.220	117.240

9.5. LP OUTPUT POWER AND PSD

LIMITS

FCC §15.407

Band 5.925-7.125 GHz

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

TEST PROCEDURE

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

Since the gated power measurement is used, the calculation of EIRP power does not include any corrections for duty cycle correction factor.

The measurement method used for power spectral density is KDB 789033 D02, Section F.

RESULTS

The plots in these sections are for reference settings only for different bandwidths and different antennas.

DIRECTIONAL ANTENNA GAIN

For 1 TX:

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

For 2 TX:

CDD MIMO Tx chains used uncorrelated gain for EIRP calculation and correlated gain for PSD EIRP calculation; SDM MIMO Tx chains used uncorrelated for both EIRP and PSD EIRP calculation. For the straddle channels, the higher antenna gains were chosen between two bands where straddle channels are located. The directional gains are as follows:

Frequency Range (MHz)	Sub-band (MHz)	Antenna 6 (dBi)	Antenna 5 (dBi)	Uncorrelated Chains (dBi)	Correlated Chains (dBi)
5925 - 6425 UNII-5	Sub-band 1 (5955 - 6095)	0.40	-2.40	-0.78	2.12
	Sub-band 2 (6115 - 6255)	1.50	-2.40	-0.03	2.78
	Sub-band 3 (6275 - 6415)	1.20	-2.40	-0.24	2.60
6425 - 6525 UNII-6	N/A	0.50	-2.00	-0.57	2.35
UNII-6/7 (Straddle Channel)	N/A	0.50	0.60	0.55	3.56
6525 - 6875 UNII-7	N/A	-0.10	0.60	0.26	3.27
UNII-7/8 (Straddle Channel)	N/A	-0.10	0.60	0.26	3.27
6875 - 7125 UNII-8	N/A	-0.70	-2.60	-1.55	1.41

Directional Gain Calculation:

ANSI C63.10 section 14.4.3

Uncorrelated directional Gain = $10 \cdot \text{LOG}((10^{(\text{Ant6}/10)} + 10^{(\text{Ant5}/10)})/2)$

Correlated directional Gain = $10 \cdot \text{LOG}(((10^{(\text{Ant6}/20)} + 10^{(\text{Ant5}/20)})^2)/2)$

Sample Calculation at UNII-5 Band:

ANT 6 = 0.40 dBi

ANT 5 = -2.40 dBi

Uncorrelated Antenna Gain = $10 \log[(10^{(0.40/10)} + 10^{(-2.4/10)})/2] = -0.78 \text{ dBi}$

Correlated Antenna Gain = $10 \log[(10^{(0.40/20)} + 10^{(-2.4/20)})^2/2] = 2.12 \text{ dBi}$

EIRP Power Calculation:**1Tx**

EIRP corr'd power = Ant6 + Antenna Gain

Sample Calculation at UNII-5 Band:

Ant6 (5955MHz, 106+26T, RU82) Power = 5.18 dBm

EIRP corr'd power = 5.18 + (0.40) = 5.58 dBm

2Tx

EIRP corr'd power = $10 \cdot \log(10^{(\text{Ant6}/10)} + 10^{(\text{Ant5}/10)}) + \text{uncorrelated directional gain}$

Sample Calculation at UNII-5 Band:

Ant6 (5955MHz, 106+26T, RU82) Power = 0.16 dBm

Ant5 (5955MHz, 106+26T, RU82) Power = 0.14 dBm

EIRP corr'd power = $10 \cdot \log(10^{(0.16/10)} + 10^{(0.14/10)}) + (-0.78) = 2.38 \text{ dBm}$

EIRP PSD Calculation:**1Tx**

EIRP corr'd PSD = DCCF + Ant6 + Antenna Gain

Sample Calculation at UNII-5 Band:

Ant6 (5955MHz, 106+26T, RU82) PSD = -3.850 dBm/1MHz

EIRP corr'd PSD = 0 + (-3.850) + (0.40) = -3.450 dBm/1MHz

2Tx (CDD)

EIRP corr'd PSD = $(10 \cdot \log(10^{((\text{DCCF} + \text{Ant6})/10)} + 10^{((\text{DCCF} + \text{Ant5})/10)})) + \text{correlated directional gain}$

Sample Calculation at UNII-5 Band:

Ant6 (5955MHz, 106+26T, RU82) PSD = -8.617 dBm/1MHz

Ant5 (5955MHz, 106+26T, RU82) PSD = -8.627 dBm/1MHz

EIRP corr'd PSD = $(10 \cdot \log(10^{((0 + (-8.617))/10)} + 10^{((0 + (-8.627))/10)})) + (2.12) = -3.492 \text{ dBm/1MHz}$

2Tx (SDM)

EIRP corr'd PSD = $(10 \cdot \log(10^{((\text{DCCF} + \text{Ant6})/10)} + 10^{((\text{DCCF} + \text{Ant5})/10)})) + \text{uncorrelated directional gain}$

Sample Calculation at UNII-5 Band:

Ant6 (5955MHz, 106+26T, RU82) PSD = -5.930 dBm/1MHz

Ant5 (5955MHz, 106+26T, RU82) PSD = -5.650 dBm/1MHz

EIRP corr'd PSD = $(10 \cdot \log(10^{((0 + (-5.930))/10)} + 10^{((0 + (-5.650))/10)})) + (-0.78) = -3.557 \text{ dBm/1MHz}$

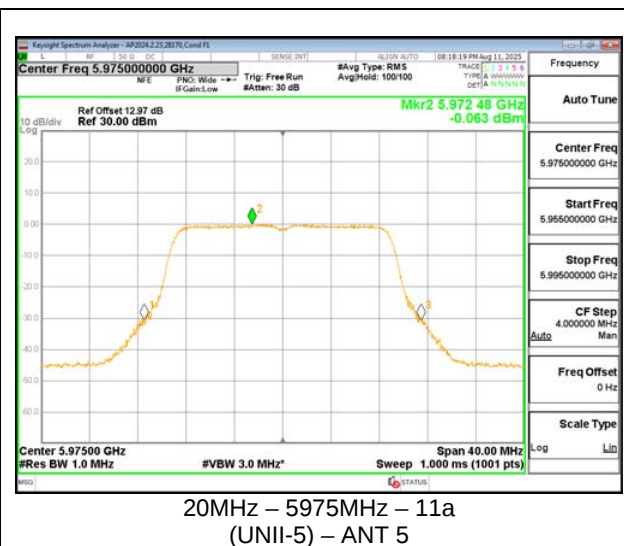
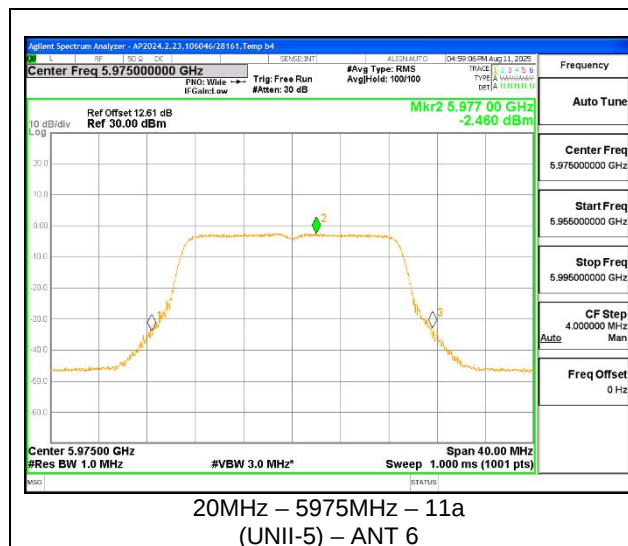
9.5.1. 802.11a SISO MODE IN THE UNII-5 BAND – LOW POWER

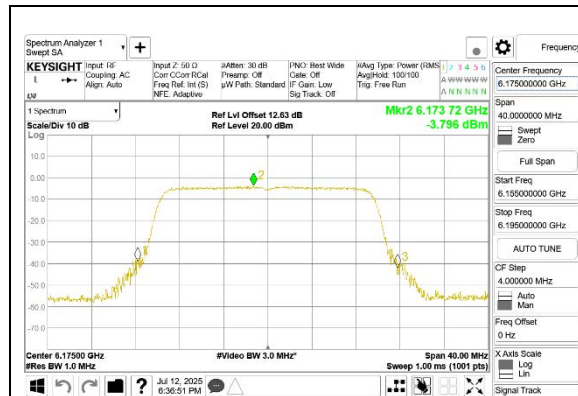
UNII-5 (SISO)	Duty Factor (dB)	ANT 6 Gain (dBi)	ANT 5 Gain (dBi)	Frequency (MHz)	Channel Number	Mode	Conducted Power (Gated) (dBm)		EIRP Power (Limit = 24dBm EIRP)		Conducted PSD (dBm/MHz)		EIRP PSD (Limit = -1 dBm/MHz EIRP)	
							ANT 6	ANT 5	ANT 6	ANT 5	ANT 6	ANT 5	ANT 6	ANT 5
20MHz	0	0.4	-2.4	5975	5	11a	9.02	11.67	9.42	9.27	-2.460	-0.063	-2.060	-2.463

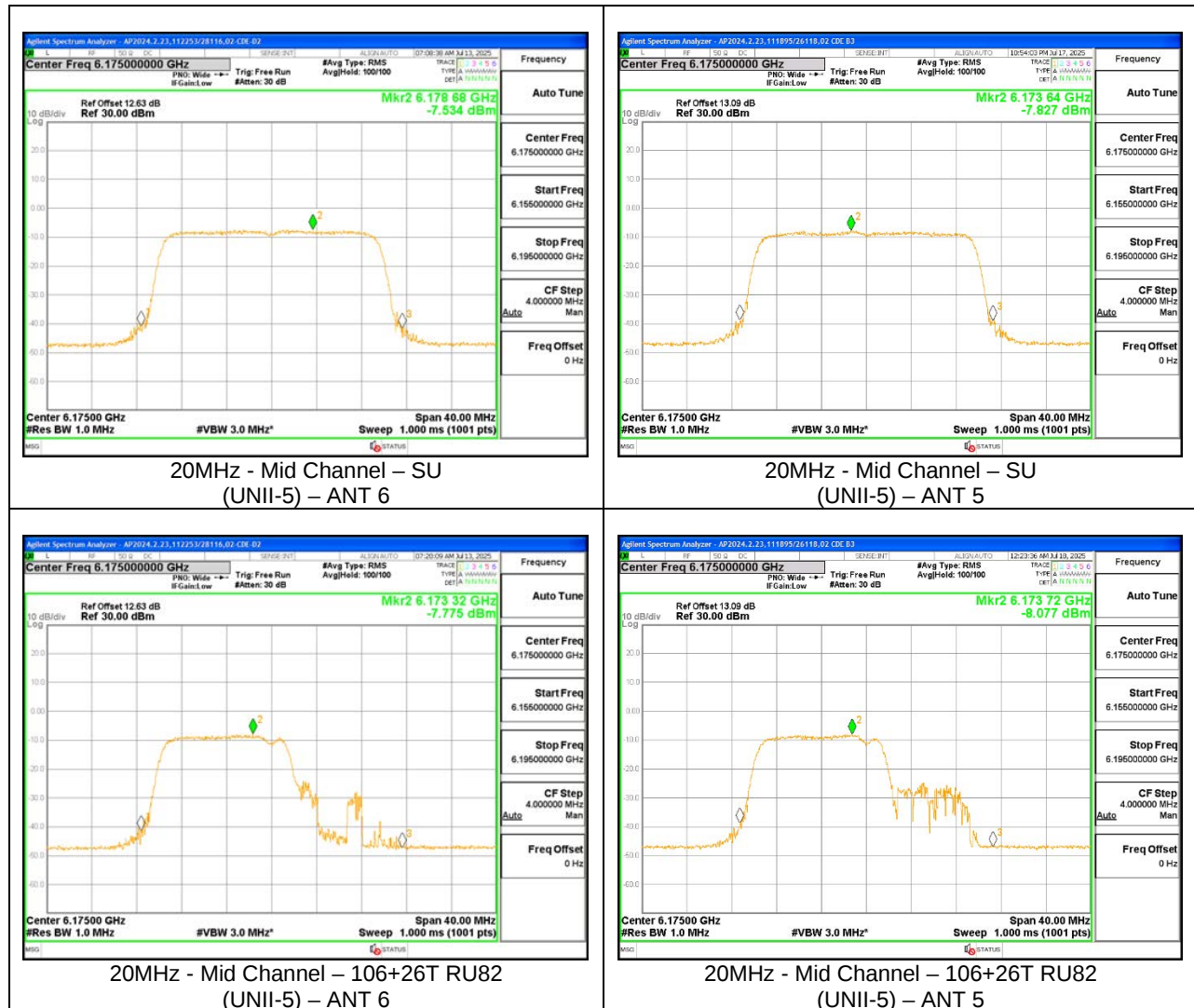
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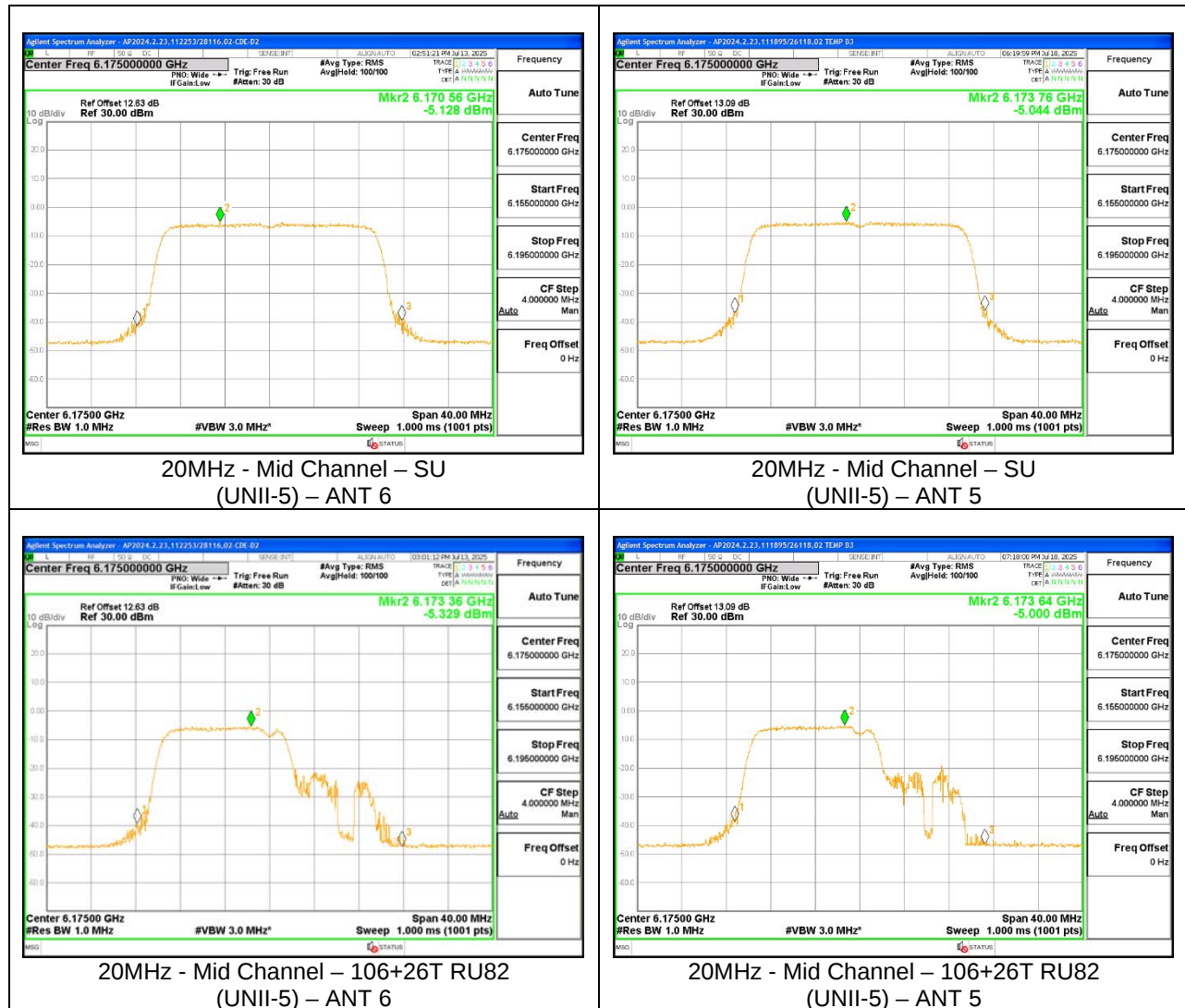
EIRP Output Power (dBm) = Measured Conducted Power (dBm)+ Peak Antenna Gain (dBi)

EIRP PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) + Duty Factor (dB) + Peak Antenna Gain (dBi)









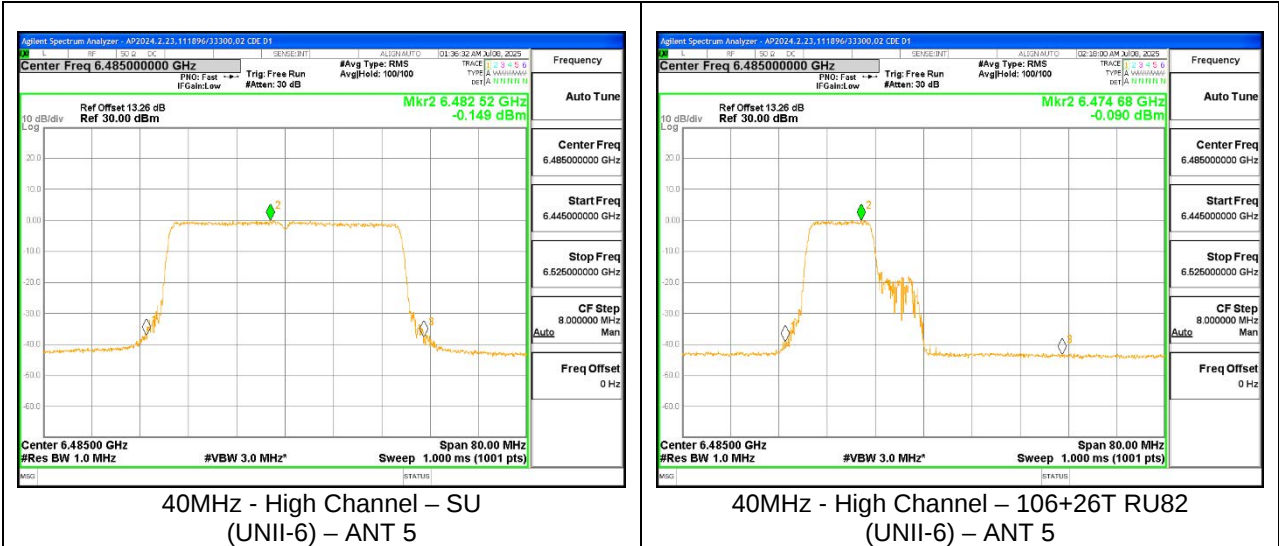
9.5.5. 802.11be SISO MODE IN THE UNII-6 BAND – LOW POWER

LP UNII-6 (SISO)	Duty Factor (dB)		ANT 6 Gain (dBi)	ANT 5 Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated) (dBm)		EIRP Power (Limit = 24dBm EIRP)		Conducted PSD (dBm/MHz)		EIRP PSD (Limit = -1 dBm/MHz EIRP)	
	SU	Partial RU							ANT 6	ANT 5	ANT 6	ANT 5	ANT 6	ANT 5	ANT 6	ANT 5
20MHz	0	0.1	0.50	-2.00	6435	1	SU	--	8.61	11.37	9.11	9.37	-2.711	0.222	-2.211	-1.778
								70	4.02	6.58	4.52	4.58	-2.724	0.196	-2.124	-1.704
								71	4.08	6.57	4.58	4.57	-2.588	-0.025	-1.988	-1.925
								72	4.03	6.64	4.53	4.64	-2.498	0.177	-1.898	-1.723
					6475	45	SU	--	8.68	11.28	9.18	9.28	-2.355	-0.081	-1.855	-2.081
								70	4.04	6.68	4.54	4.68	-2.529	-0.051	-1.929	-1.951
								71	4.08	6.62	4.58	4.62	-2.403	-0.351	-1.803	-2.251
								72	4.05	6.63	4.55	4.63	-2.352	-0.123	-1.752	-2.023
					6515	93	SU	--	8.65	11.32	9.15	9.32	-2.020	-0.205	-1.520	-2.205
								70	4.03	6.58	4.53	4.58	-2.231	-0.040	-1.631	-1.940
								71	4.01	6.62	4.51	4.62	-2.141	-0.347	-1.541	-2.247
								72	4.00	6.62	4.50	4.62	-2.146	-0.140	-1.546	-2.040
40MHz	0	0	0.50	-2.00	6445	99	SU	--	11.71	14.22	12.21	12.22	-2.345	-0.389	-1.845	-2.389
								82	6.11	8.65	6.61	6.65	-3.088	-0.340	-2.588	-2.340
								84	6.17	8.67	6.67	6.67	-2.676	-0.016	-2.176	-2.016
								85	6.13	8.62	6.63	6.62	-3.084	-0.193	-2.584	-2.193
					6485	107	SU	--	11.78	14.22	12.28	12.22	-2.330	-0.149	-1.830	-2.149
								82	6.11	8.64	6.61	6.64	-2.396	-0.090	-1.896	-2.090
								84	6.13	8.62	6.63	6.62	-2.685	-0.362	-2.185	-2.362
								85	6.12	8.66	6.62	6.66	-2.769	-0.375	-2.269	-2.375
			0.50	0.60	6525 (Straddle)	115	SU	--	11.56	11.61	12.06	12.21	-2.797	-2.699	-2.297	-2.099
								82	6.14	5.84	6.64	6.44	-2.713	-3.259	-2.213	-2.659
								84	6.11	5.86	6.61	6.46	-2.794	-3.157	-2.294	-2.557
								85	6.13	5.84	6.63	6.44	-2.743	-3.317	-2.243	-2.717
80MHz	0	0	0.50	-2.00	6465	103	SU	--	14.67	17.02	15.17	15.02	-2.247	-0.361	-1.747	-2.361
								65	11.72	14.22	12.22	12.22	-2.129	-0.169	-1.629	-2.169
								66	11.71	14.24	12.21	12.24	-1.880	-0.021	-1.380	-2.021
160MHz	0	0	0.50	0.60	6505 (Straddle)	111	SU	--	17.51	17.19	18.01	17.79	-2.004	-2.457	-1.504	-1.857
								82	6.18	5.82	6.68	6.42	-2.256	-3.792	-1.756	-3.192
								89	6.13	5.81	6.63	6.41	-2.309	-3.344	-1.809	-2.744
								S89	6.16	5.79	6.66	6.39	-2.449	-3.620	-1.949	-3.020

Note:

EIRP Output Power (dBm) = Measured Conducted Power (dBm)+ Peak Antenna Gain (dBi)

EIRP PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) + Duty Factor (dB) + Peak Antenna Gain (dBi)



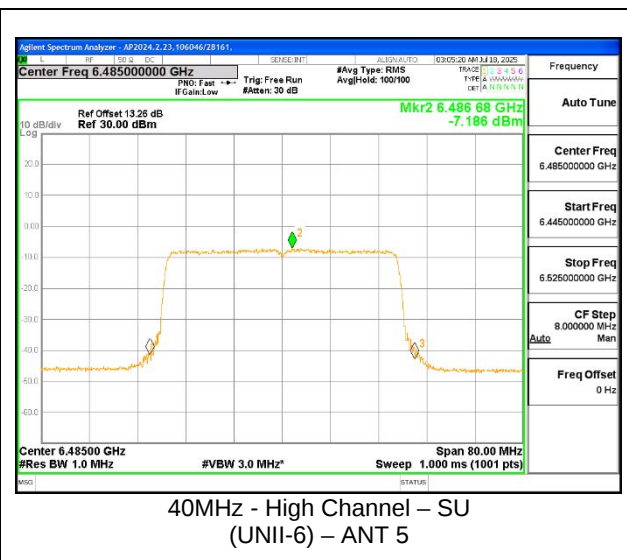
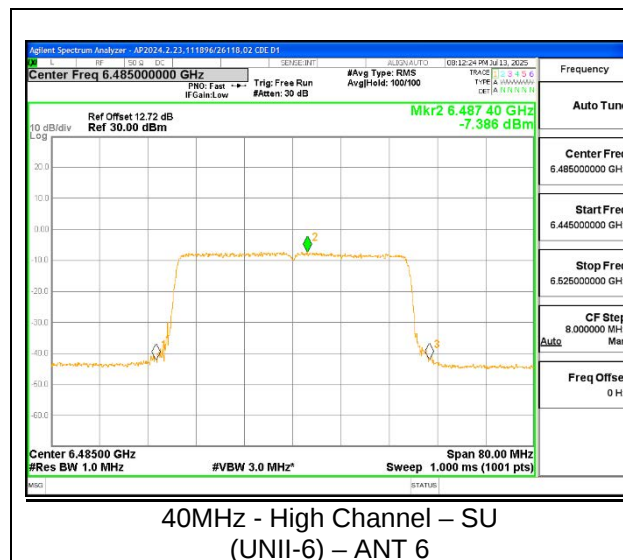
9.5.6. 802.11be MIMO CDD MODE IN THE UNII-6 BAND – LOW POWER

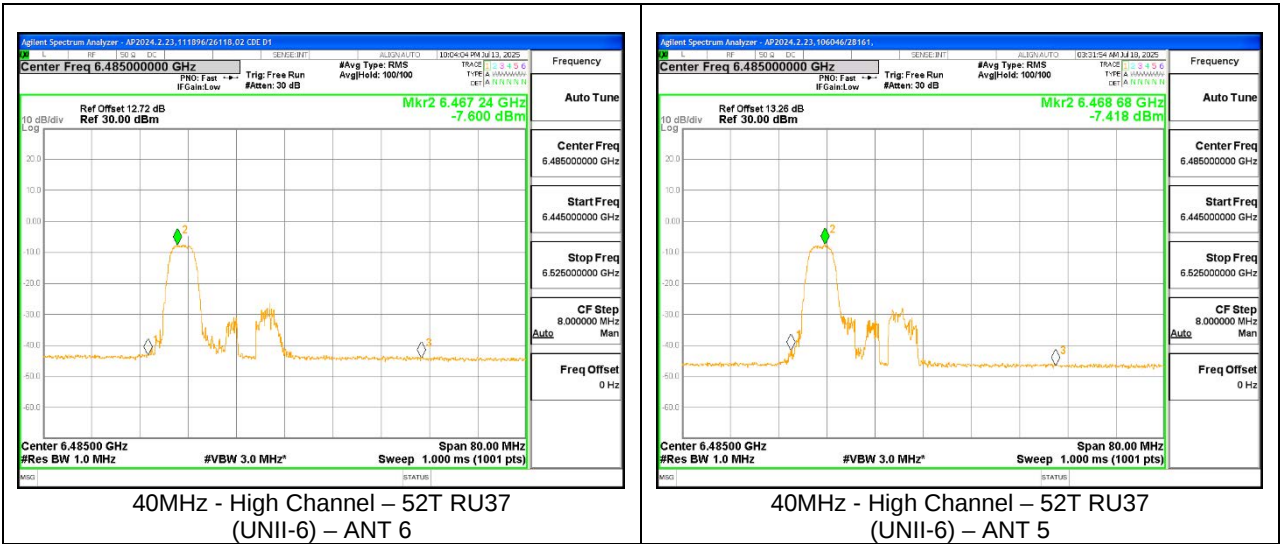
LP CDD UNII-6 (MIMO)	Duty Factor (dB)		Un- Correlated Antenna Gain (dBi)	Correlated Antenna Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated)		ERP MIMO Power (Limit = 24dBm ERP)	Conducted PSD (dBm/MHz)		ERP MIMO PSD (Limit = -1 dBm/MHz ERP)					
	SU	Partial Rus							ANT 6	ANT 5		ANT 6	ANT 5						
20MHz	0	0	-0.57	2.35	6435	97	SU	--	3.87	3.83	6.29	-7.084	-7.110	-1.737					
							106	53	0.54	0.53	2.98	-7.387	-7.250	-1.958					
								54	0.51	0.49	2.94	-7.071	-7.239	-1.794					
					6475	105	SU	--	3.84	3.82	6.27	-7.135	-7.030	-1.722					
							106	53	0.51	0.53	2.96	-7.111	-7.299	-1.844					
								54	0.52	0.54	2.97	-7.287	-7.145	-1.855					
					6515	113	SU	--	3.83	3.84	6.28	-7.396	-7.191	-1.932					
							106	53	0.52	0.57	2.99	-7.311	-7.232	-1.911					
								54	0.56	0.54	2.99	-7.077	-7.367	-1.859					
40MHz	0	0	-0.57	2.35	6445	99	SU	--	6.85	6.82	9.28	-6.993	-7.130	-1.701					
							52	37	-2.70	-2.64	-0.23	-7.546	-7.319	-2.071					
								41	-2.70	-2.69	-0.25	-7.662	-7.426	-2.182					
								44	-2.65	-2.67	-0.22	-7.935	-7.663	-2.437					
					6485	107	SU	--	6.83	6.84	9.28	-7.386	-7.186	-1.925					
							52	37	-2.71	-2.67	-0.25	-7.600	-7.418	-2.148					
								41	-2.67	-2.63	-0.21	-7.186	-7.363	-1.913					
			0.55	3.56	6525 (Straddle)	115	SU	--	5.49	5.47	9.04	-8.858	-8.786	-2.252					
							52	37	-3.82	-3.85	-0.27	-8.903	-9.016	-2.389					
								41	-3.82	-3.83	-0.26	-8.845	-9.035	-2.369					
								44	-3.86	-3.84	-0.29	-8.795	-8.925	-2.289					
					80MHz	0	0	-0.57	2.35	6465	103	SU	--	9.62	9.66	12.08	-7.227	-7.568	-2.034
												484	65	6.86	6.82	9.28	-7.364	-7.594	-2.117
													66	6.84	6.83	9.28	-7.085	-7.456	-1.906
160MHz	0	0	0.55	3.56	6505 (Straddle)	111	106+26	SU	--	11.38	11.32	14.91	-9.065	-9.161	-2.542				
								82	-0.03	-0.08	3.51	-9.710	-9.581	-3.075					
								89	-0.02	-0.06	3.52	-9.796	-9.813	-3.234					
								S89	-0.04	-0.09	3.50	-10.209	-9.859	-3.460					

Note:

EIRP MIMO Output Power (dBm) = Measured Conducted Power (dBm) (ANT 6 + ANT 5) + Un-Correlated Antenna Gain (dBi)

EIRP MIMO PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) (ANT 6 + ANT 5) + Duty Factor (dB) + Correlated Antenna Gain (dBi)

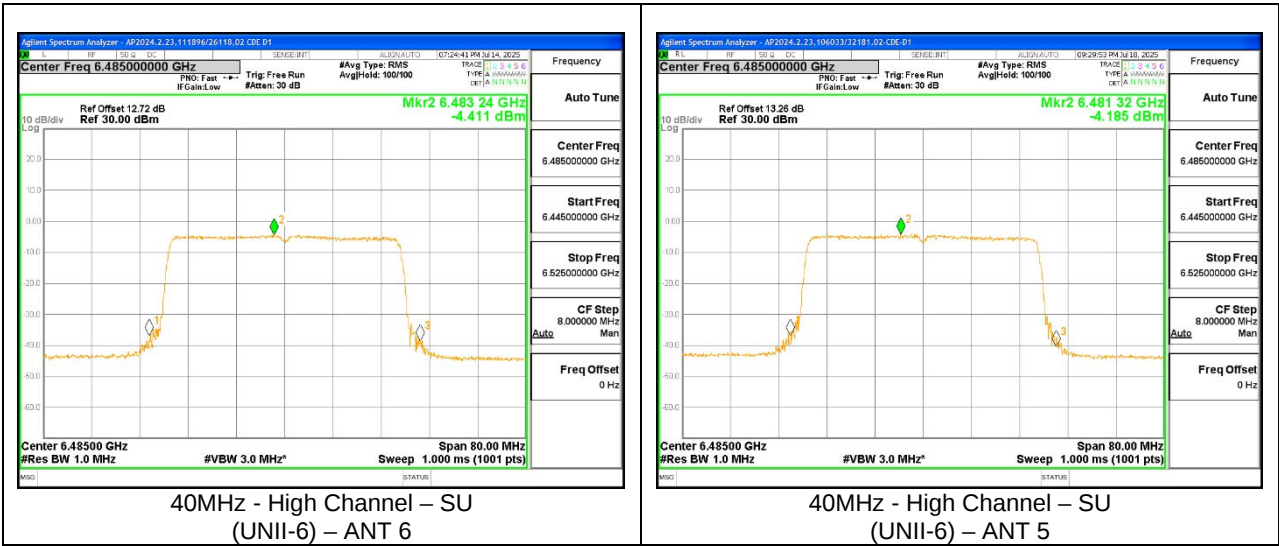


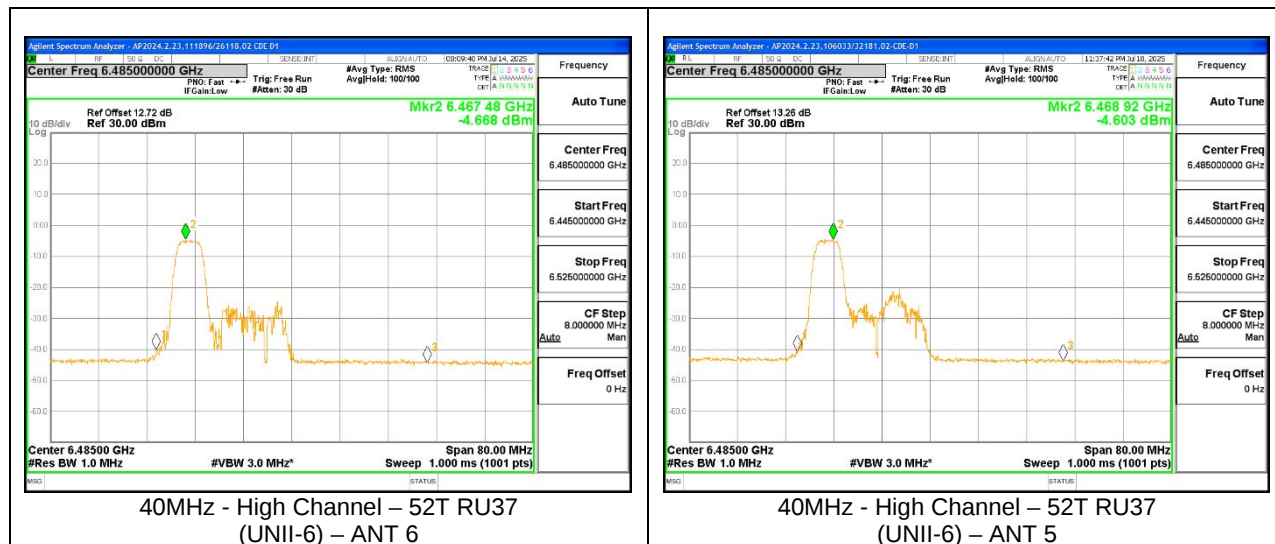


9.5.7. 802.11be MIMO SDM MODE IN THE UNII-6 BAND – LOW POWER

LP SDM UNII-6 (MIMO)	Duty Factor (dB)		Un- Correlated Antenna Gain (dBi)	Correlated Antenna Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated)		EIRP MIMO Power (Limit = 24dBm EIRP)	Conducted PSD (dBm/MHz)		EIRP MIMO PSD (Limit = -1 dBm/MHz EIRP)
	SU	Partial Rus							ANT 6	ANT 5		ANT 6	ANT 5	
20MHz	0	0	-0.57	2.35	6435	97	SU	--	6.74	6.72	9.17	-4.390	-4.382	-1.946
							106	53	3.40	3.37	5.83	-4.229	-4.621	-1.980
								54	3.44	3.42	5.87	-4.557	-4.395	-2.035
					6475	105	SU	--	6.69	6.72	9.15	-4.533	-4.585	-2.119
							106	53	3.39	3.41	5.84	-4.565	-4.467	-2.075
								54	3.45	3.44	5.89	-4.611	-4.469	-2.099
					6515	113	SU	--	6.73	6.74	9.18	-4.551	-4.692	-2.181
							106	53	3.41	3.42	5.86	-4.623	-4.546	-2.144
								54	3.42	3.44	5.87	-4.741	-4.368	-2.110
40MHz	0	0	-0.57	2.35	6445	99	SU	--	9.68	9.72	12.14	-4.271	-4.057	-1.722
							52	37	0.23	0.25	2.68	-4.552	-4.402	-2.036
								41	0.19	0.20	2.64	-4.516	-4.779	-2.205
								44	0.18	0.22	2.64	-4.621	-4.805	-2.272
					6485	107	SU	--	9.70	9.71	12.15	-4.411	-4.185	-1.856
							52	37	0.26	0.26	2.70	-4.668	-4.603	-2.195
								41	0.25	0.22	2.68	-4.677	-4.786	-2.291
								44	0.19	0.21	2.64	-4.867	-4.897	-2.442
			0.55	3.56	6525 (Straddle)	115	SU	--	8.52	8.50	12.07	-5.839	-5.614	-2.165
							52	37	-0.72	-0.72	2.84	-6.215	-6.036	-2.564
								41	-0.75	-0.74	2.82	-5.795	-6.137	-2.402
								44	-0.73	-0.75	2.82	-6.020	-6.165	-2.532
					6465	103	SU	--	12.54	12.53	14.98	-4.512	-4.338	-1.984
							484	65	9.74	9.71	12.17	-4.386	-4.785	-2.141
								66	9.75	9.70	12.17	-4.450	-4.494	-2.032
160MHz	0	0	0.55	3.56	6505 (Straddle)	111	SU	--	14.32	14.33	17.89	-5.772	-5.679	-2.165
							106+26	82	2.98	2.92	6.51	-6.366	-6.668	-2.954
								89	2.95	2.90	6.49	-6.627	-6.671	-3.089
								S89	2.92	2.93	6.49	-6.771	-6.870	-3.260

Note:
EIRP MIMO Output Power (dBm) = Measured Conducted Power (dBm) (ANT 6 + ANT 5) + Un-Correlated Antenna Gain (dBi)
EIRP MIMO PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) (ANT 6 + ANT 5) + Duty Factor (dB) + Un-Correlated Antenna Gain (dBi)





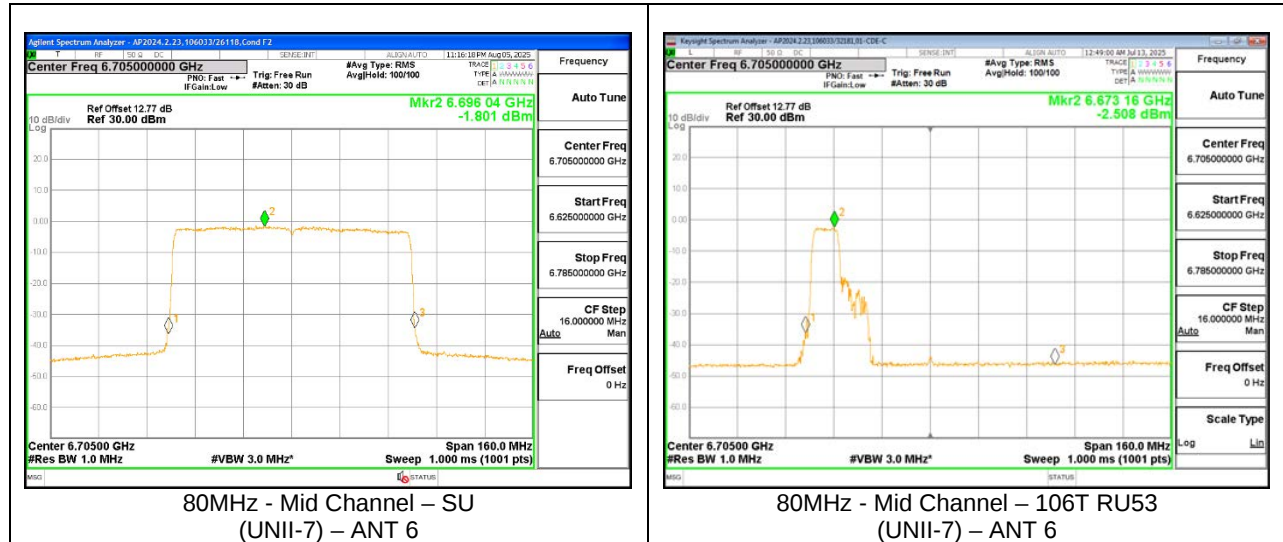
9.5.8. 802.11be SISO MODE IN THE UNII-7 BAND – LOW POWER

LP UNII-7 (SISO)	Duty Factor (dB)		Ant 6 Gain (dBi)	Ant 5 Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated) (dBm)		EIRP Power (Limit = 24dBm EIRP)		Conducted PSD (dBm/MHz)		EIRP PSD (Limit = -1 dBm/MHz EIRP)						
	SU	Partial RU							ANT 6	ANT 5	ANT 6	ANT 5	ANT 6	ANT 5	ANT 6	ANT 5					
20MHz	0	0	-0.10	0.60	6535	117	SU	--	8.97	8.53	8.87	9.13	-1.536	-2.072	-1.636	-1.472					
							106	53	5.62	5.03	5.52	5.63	-1.838	-2.236	-1.938	-1.636					
								54	5.61	4.98	5.51	5.58	-1.798	-2.077	-1.898	-1.477					
					6715	153	SU	--	8.98	8.47	8.88	9.07	-1.527	-2.213	-1.627	-1.613					
							106	53	5.62	5.04	5.52	5.64	-1.859	-2.180	-1.959	-1.580					
								54	5.63	5.06	5.53	5.66	-1.873	-2.342	-1.973	-1.742					
			-0.10	0.60	6875 (Straddle)	185	SU	--	9.15	8.44	9.05	9.04	-1.449	-2.323	-1.549	-1.723					
							106	53	5.91	5.32	5.81	5.92	-1.622	-2.354	-1.722	-1.754					
								54	5.90	5.26	5.80	5.86	-1.551	-2.536	-1.651	-1.936					
					40MHz	0	0	-0.10	0.60	6565	123	SU	--	12.06	11.26	11.96	11.86	-2.230	-2.653	-2.330	-2.053
												52	37	2.77	1.94	2.67	2.54	-2.202	-2.906	-2.302	-2.306
													41	2.75	1.92	2.65	2.52	-2.154	-2.986	-2.254	-2.386
44	2.71	1.90	2.61	2.50									-2.252	-2.823	-2.352	-2.223					
--	12.06	11.34	11.96	11.94									-2.169	-2.858	-2.269	-2.258					
52	37	2.77	1.96	2.67								2.56	-2.266	-2.945	-2.366	-2.345					
	41	2.75	1.94	2.65						2.54	-1.901	-3.004	-2.001	-2.404							
	44	2.71	1.93	2.61						2.53	-2.225	-3.068	-2.325	-2.468							
6845	179	SU	--	12.01						11.32	11.91	11.92	-2.514	-3.040	-2.614	-2.440					
		52	37	2.76	1.90	2.66	2.50	-2.325	-2.860	-2.425	-2.260										
			41	2.75	1.95	2.65	2.55	-2.203	-3.124	-2.303	-2.524										
			44	2.69	1.94	2.59	2.54	-2.307	-3.252	-2.407	-2.652										
			80MHz	0	0	0.50	0.60	6545 (Straddle)	119	SU	--	14.73	14.58	15.23	15.18	-2.254	-2.439	-1.754	-1.839		
		106								53	5.32	5.25	5.82	5.85	-2.732	-2.552	-2.232	-1.952			
56	5.33									5.22	5.83	5.82	-2.713	-2.772	-2.213	-2.172					
60	5.31							5.15	5.81	5.75	-2.753	-2.937	-2.253	-2.337							
6705	151	SU						--	15.11	14.34	15.01	14.94	-1.801	-2.616	-1.901	-2.016					
		106						53	5.65	5.01	5.55	5.61	-2.508	-3.249	-2.608	-2.649					
						56	5.62	5.06	5.52	5.66	-2.502	-3.159	-2.602	-2.559							
						60	5.61	5.07	5.51	5.67	-2.640	-3.402	-2.740	-2.802							
		-0.10				0.60	6865 (Straddle)	183	SU	--	15.16	14.52	15.06	15.12	-1.875	-2.795	-1.975	-2.195			
									106	53	5.85	5.11	5.75	5.71	-2.344	-3.566	-2.444	-2.966			
56	5.86									5.15	5.76	5.75	-2.327	-3.207	-2.427	-2.607					
60	5.84						5.16	5.74		5.76	-2.337	-3.490	-2.437	-2.890							
160MHz	0		0	-0.10	0.60		6665	143	SU	--	18.12	16.97	18.02	17.57	-2.035	-3.238	-2.135	-2.638			
									996	67	15.09	14.29	14.99	14.89	-2.428	-3.147	-2.528	-2.547			
		S67				15.08				14.25	14.98	14.85	-2.752	-3.034	-2.852	-2.434					
		6825 (Straddle)				175	SU	--	18.04	17.43	17.94	18.03	-2.489	-3.222	-2.589	-2.622					
							996	67	15.11	14.28	15.01	14.88	-2.750	-3.742	-2.850	-3.142					
								S67	15.13	14.33	15.03	14.93	-2.762	-3.294	-2.862	-2.694					

Note:

EIRP Output Power (dBm) = Measured Conducted Power (dBm)+ Peak Antenna Gain (dBi)

EIRP PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) + Duty Factor (dB) + Peak Antenna Gain (dBi)



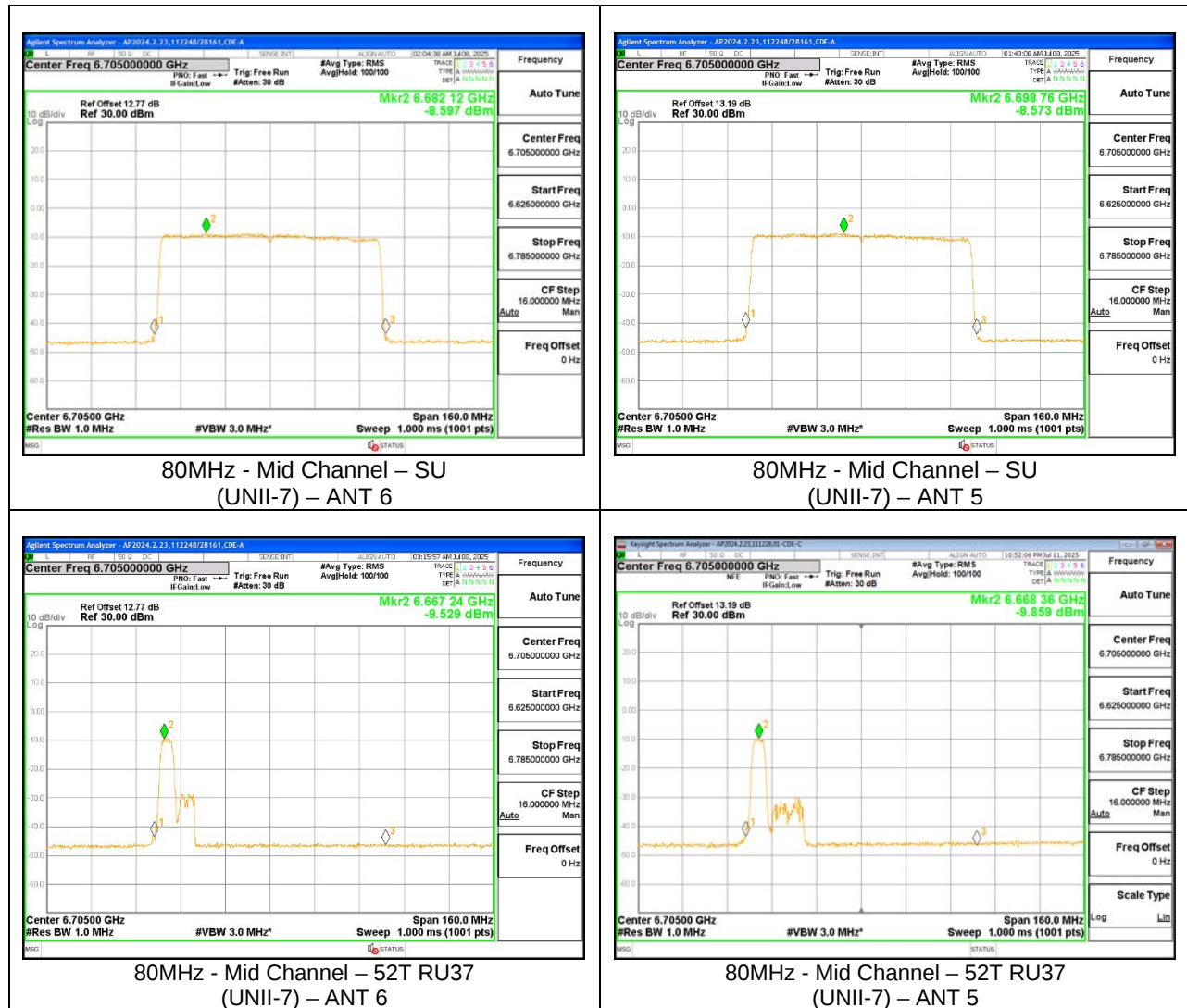
9.5.9. 802.11be MIMO CDD MODE IN THE UNII-7 BAND – LOW POWER

LP CDD UNII-7 (MIMO)	Duty Factor (dB)		Un- Correlated Antenna Gain (dBi)	Correlated Antenna Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated)		EIRP MIMO Power (Limit = 24dBm EIRP)	Conducted PSD (dBm/MHz)		EIRP MIMO PSD (Limit = -1 dBm/MHz EIRP)
	SU	Partial Rus							ANT 6	ANT 5		ANT 6	ANT 5	
20MHz	0	0	0.26	3.27	6535	117	SU	--	2.62	2.62	5.89	-8.165	-8.023	-1.813
							106+26	82	0.19	0.18	3.46	-8.303	-7.861	-1.796
								83	0.22	0.23	3.50	-8.071	-7.587	-1.542
					6715	153	SU	--	2.63	2.56	5.87	-7.991	-8.332	-1.878
							106+26	82	0.22	0.25	3.51	-8.008	-7.727	-1.585
								83	0.25	0.21	3.50	-8.169	-7.870	-1.737
			0.26	3.27	6875 (Straddle)	185	SU	--	2.86	2.82	6.11	-7.956	-8.015	-1.705
							106+26	82	0.35	0.30	3.60	-8.231	-7.863	-1.763
								83	0.33	0.31	3.59	-8.081	-8.353	-1.935
40MHz	0	0	0.26	3.27	6565	123	SU	--	5.72	5.70	8.98	-9.073	-9.147	-2.830
							106	53	-0.74	-0.71	2.55	-9.832	-9.326	-3.291
								54	-0.68	-0.72	2.57	-8.841	-9.363	-2.814
								56	-0.64	-0.67	2.62	-8.996	-8.968	-2.702
					6685	147	SU	--	5.76	5.68	8.99	-8.268	-8.949	-2.315
							106	53	-0.71	-0.67	2.58	-8.796	-9.291	-2.756
								54	-0.68	-0.66	2.60	-8.258	-8.896	-2.285
								56	-0.65	-0.69	2.60	-8.669	-9.111	-2.604
					6845	179	SU	--	5.74	5.74	9.01	-8.970	-8.903	-2.656
							106	53	-0.66	-0.65	2.62	-9.480	-9.664	-3.291
								54	-0.70	-0.69	2.58	-9.281	-9.555	-3.136
								56	-0.65	-0.63	2.63	-9.352	-9.769	-3.275
80MHz	0	0	0.55	3.56	6545 (Straddle)	119	SU	--	8.71	8.76	12.30	-8.948	-8.913	-2.360
							52	37	-3.88	-3.82	-0.29	-10.177	-9.885	-3.458
								45	-3.89	-3.86	-0.31	-9.934	-9.639	-3.214
								52	-3.93	-3.84	-0.32	-10.023	-9.700	-3.288
			0.26	3.27	6705	151	SU	--	8.66	8.70	11.95	-8.597	-8.573	-2.305
							52	37	-3.90	-3.93	-0.64	-9.529	-9.859	-3.411
								45	-3.86	-3.89	-0.60	-9.259	-9.808	-3.245
								52	-3.94	-3.91	-0.65	-9.596	-10.112	-3.566
			0.26	3.27	6865 (Straddle)	183	SU	--	8.82	8.80	12.08	-8.879	-8.612	-2.463
							52	37	-3.54	-3.60	-0.30	-9.539	-9.879	-3.425
								45	-3.53	-3.55	-0.27	-9.251	-9.593	-3.138
								52	-3.58	-3.57	-0.30	-8.974	-9.897	-3.131
160MHz	0	0	0.26	3.27	6665	143	SU	--	11.41	11.38	14.67	-9.252	-9.353	-3.022
							106+26	82	0.35	0.34	3.62	-9.935	-9.107	-3.221
								89	0.32	0.29	3.58	-9.616	-9.230	-3.138
								S89	0.34	0.28	3.58	-9.316	-9.581	-3.166
			0.26	3.27	6825 (Straddle)	175	SU	--	11.73	11.75	15.01	-9.000	-9.130	-2.784
							106+26	82	0.23	0.20	3.49	-9.721	-9.800	-3.480
								89	0.22	0.26	3.51	-9.006	-9.416	-2.926
								S89	0.24	0.27	3.53	-9.584	-9.536	-3.280

Note:

EIRP MIMO Output Power (dBm) = Measured Conducted Power (dBm) (ANT 6 + ANT 5) + Un-Correlated Antenna Gain (dBi)

EIRP MIMO PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) (ANT 6 + ANT 5) + Duty Factor (dB) + Correlated Antenna Gain (dBi)



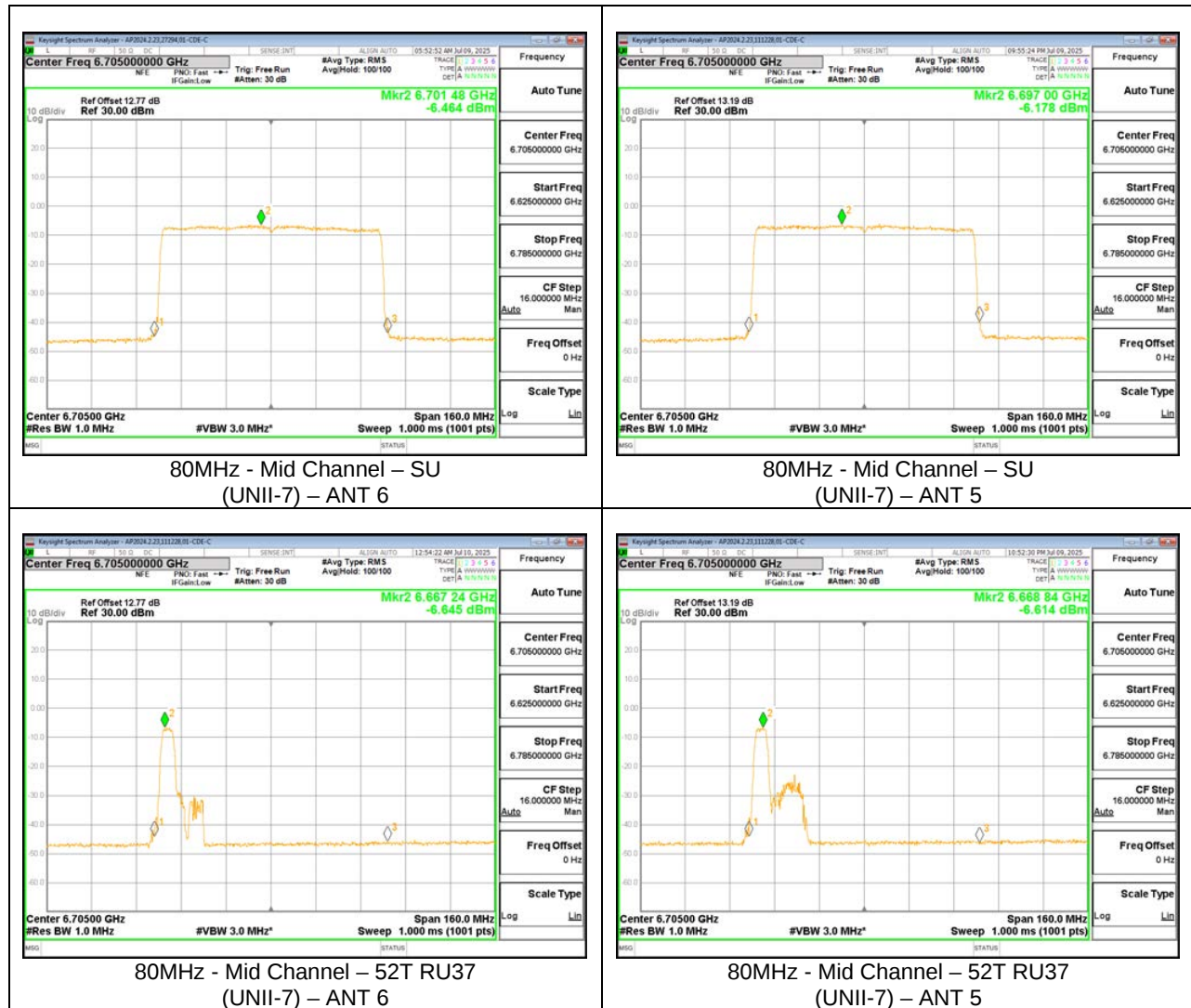
9.5.10. 802.11be MIMO SDM MODE IN THE UNII-7 BAND – LOW POWER

LP SDM UNII-7 (MIMO)	Duty Factor (dB)		Un- Correlated Antenna Gain (dBi)	Correlated Antenna Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated)		EIRP MIMO Power (Limit = 24dBm EIRP)	Conducted PSD (dBm/MHz)		EIRP MIMO PSD (Limit = -1 dBm/MHz EIRP)		
	SU	Partial Rus							ANT 6	ANT 5		ANT 6	ANT 5			
20MHz	0	0	0.26	3.27	6535	117	SU	--	5.55	5.56	8.83	-5.772	-5.913	-2.572		
							106+26	82	3.22	3.19	6.48	-5.705	-5.523	-2.343		
								83	3.21	3.20	6.48	-5.608	-5.888	-2.475		
					6715	153	SU	--	5.70	5.64	8.94	-6.100	-6.292	-2.925		
							106+26	82	3.21	3.25	6.50	-6.044	-5.869	-2.685		
								83	3.18	2.21	5.99	-5.900	-6.131	-2.744		
			0.26	3.27	6875 (Straddle)	185	SU	--	5.80	5.82	9.08	-5.997	-6.205	-2.829		
							106+26	82	3.29	3.22	6.53	-6.161	-6.017	-2.818		
								83	3.30	3.32	6.58	-6.123	-6.181	-2.882		
							40MHz	0	0	0.26	3.27	6565	123	SU	--	8.73
106	53	2.32	2.32	5.59	-5.988	-5.975								-2.711		
	54	2.32	2.34	5.60	-5.431	-5.463								-2.177		
	56	2.31	2.33	5.59	-5.549	-5.767								-2.386		
6685	147	SU	--	8.69	8.73	11.98								-6.479	-6.051	-2.989
		106	53	2.36	2.27	5.59								-6.257	-6.897	-3.295
			54	2.32	2.29	5.58						-6.042	-6.563	-3.024		
6845	179	106	56	2.31	2.34	5.60						-6.311	-6.095	-2.931		
			SU	--	8.71	8.68						11.97	-6.754	-6.671	-3.442	
			53	2.34	2.31	5.60						-6.519	-6.565	-3.272		
		54	2.27	2.26	5.54	-6.277						-6.899	-3.307			
			56	2.33	2.29	5.58						-6.431	-6.471	-3.181		
		80MHz	0	0	0.55	3.56	6545 (Straddle)	119	SU	--	11.76	11.73	15.31	-5.946	-5.831	-2.328
52	37								-0.85	-0.87	2.70	-6.775	-6.751	-3.203		
	45								-0.88	-0.89	2.68	-6.688	-6.610	-3.089		
	52								-0.91	-0.86	2.68	-6.518	-6.672	-3.034		
0.26	3.27				6705	151	SU	--	11.75	11.69	14.99	-6.464	-6.178	-3.048		
							52	37	-0.87	-0.86	2.41	-6.645	-6.614	-3.359		
								45	-0.91	-0.92	2.36	-6.501	-7.004	-3.475		
								52	-0.86	-0.93	2.38	-6.546	-6.761	-3.382		
0.26	3.27				6865 (Straddle)	183	SU	--	11.79	11.73	15.03	-6.480	-6.244	-3.090		
							52	37	-0.63	-0.65	2.63	-6.359	-6.413	-3.116		
								45	-0.65	-0.63	2.63	-6.306	-6.492	-3.128		
								52	-0.58	-0.56	2.70	-6.373	-6.571	-3.201		
160MHz	0	0	0.26	3.27	6665	143	SU	--	14.38	14.36	17.64	-5.811	-6.029	-2.648		
							106+26	82	3.34	3.32	6.60	-6.047	-5.637	-2.567		
								89	3.37	3.31	6.61	-5.967	-6.155	-2.790		
								S89	3.30	3.33	6.59	-6.660	-6.336	-3.225		
			0.26	3.27	6825 (Straddle)	175	SU	--	14.65	14.68	17.94	-6.147	-6.117	-2.862		
							106+26	82	3.18	3.24	6.48	-6.507	-6.219	-3.090		
								89	3.23	3.18	6.48	-6.227	-6.288	-3.247		
								S89	3.22	3.19	6.48	-6.649	-6.920	-3.512		

Note:

EIRP MIMO Output Power (dBm) = Measured Conducted Power (dBm) (ANT 6 + ANT 5) + Un-Correlated Antenna Gain (dBi)

EIRP MIMO PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) (ANT 6 + ANT 5) + Duty Factor (dB) + Un-Correlated Antenna Gain (dBi)



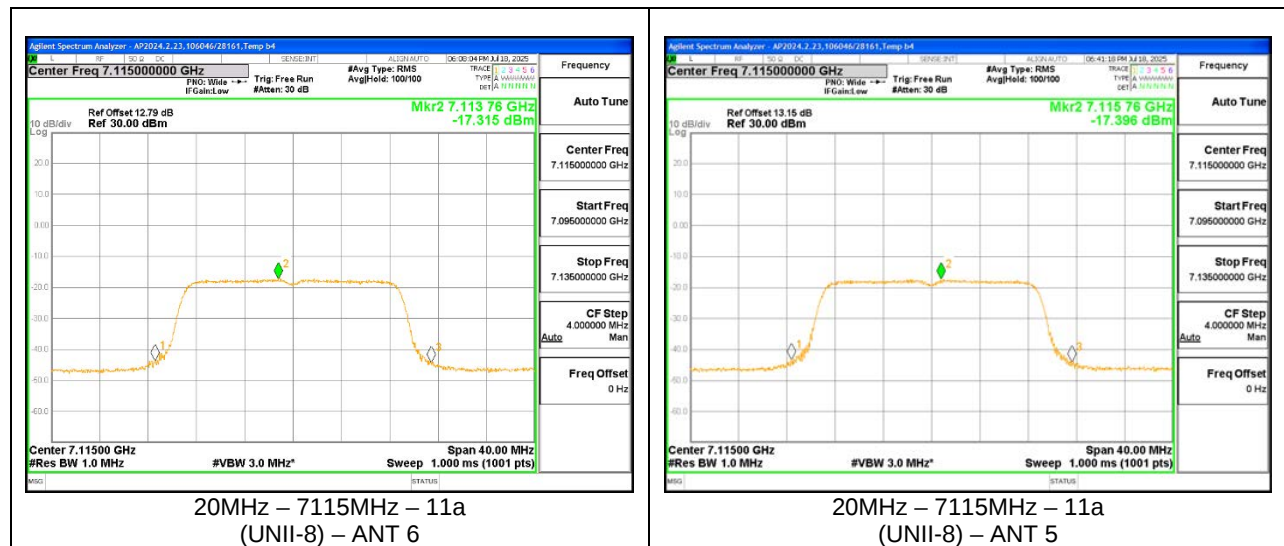
9.5.11. 802.11a SISO MODE IN THE UNII-8 BAND – LOW POWER

UNII-5 (SISO)	Duty Factor (dB)	ANT 6 Gain (dBi)	ANT 5 Gain (dBi)	Frequency (MHz)	Channel Number	Mode	Conducted Power (Gated) (dBm)		EIRP Power (Limit = 24dBm EIRP)		Conducted PSD (dBm/MHz)		EIRP PSD (Limit = -1 dBm/MHz EIRP)	
							ANT 6	ANT 5	ANT 6	ANT 5	ANT 6	ANT 5	ANT 6	ANT 5
20MHz	0	-0.70	-2.60	6895	189	11a	10.05	11.71	9.35	9.11	-1.508	0.261	-2.208	-2.339
				6995	209	11a	10.08	11.72	9.38	9.12	-1.167	0.450	-1.867	-2.150
				7115	233	11a	-5.54	-5.52	-6.24	-8.12	-17.315	-17.396	-18.015	-19.996

Note:

EIRP Output Power (dBm) = Measured Conducted Power (dBm)+ Peak Antenna Gain (dBi)

EIRP PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) + Duty Factor (dB) + Peak Antenna Gain (dBi)



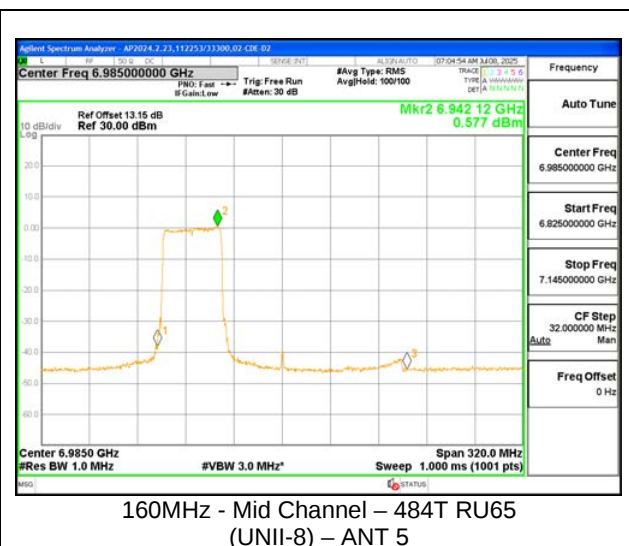
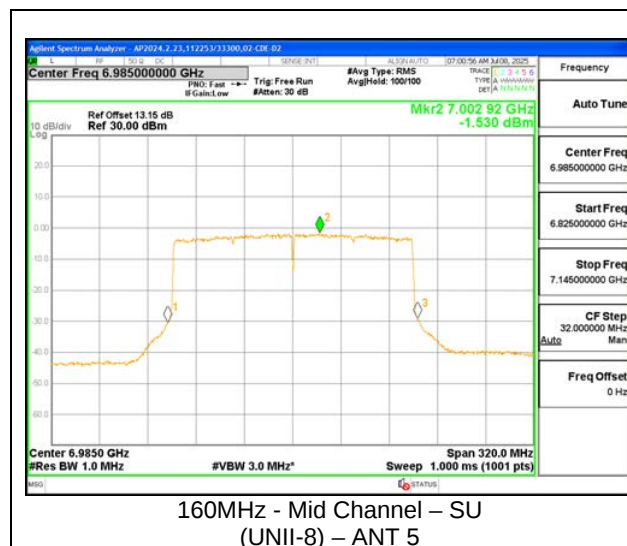
9.5.12. 802.11be SISO MODE IN THE UNII-8 BAND – LOW POWER

LP UNII-8 (SISO)	Duty Factor (dB)		Ant 6 Gain (dBi)	Ant 5 Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated) (dBm)		EIRP Power (Limit = 24dBm EIRP)		Conducted PSD (dBm/MHz)		EIRP PSD (Limit = -1 dBm/MHz EIRP)						
	SU	Partial RU							ANT 6	ANT 5	ANT 6	ANT 5	ANT 6	ANT 5	ANT 6	ANT 5					
20MHz	0	0	-0.70	-2.60	6895	189	SU	--	10.05	11.64	9.35	9.04	-2.134	-0.429	-2.834	-3.029					
							106+26	82	7.41	8.93	6.71	6.33	-2.266	-0.560	-2.966	-3.160					
								83	7.42	8.91	6.72	6.31	-2.096	-0.725	-2.796	-3.325					
					6995	209	SU	--	10.00	11.64	9.30	9.04	-1.897	-0.419	-2.597	-3.019					
							106+26	82	7.41	8.94	6.71	6.34	-2.290	-0.673	-2.990	-3.273					
								83	7.43	8.91	6.73	6.31	-2.124	-0.677	-2.824	-3.277					
					7095	229	SU	--	10.21	11.81	9.51	9.21	-2.121	-0.401	-2.821	-3.001					
							106+26	82	7.63	9.53	6.93	6.93	-2.192	-0.135	-2.892	-2.735					
								83	7.61	9.52	6.91	6.92	-2.242	-0.211	-2.942	-2.811					
					40MHz	0	0	-0.10	0.60	6885 (Straddle)	187	SU	--	12.22	11.52	12.12	12.12	-3.359	-3.603	-3.459	-3.003
												52+26	70	4.31	4.02	4.21	4.62	-3.829	-4.401	-3.929	-3.801
													72	4.30	4.04	4.20	4.64	-3.797	-4.198	-3.897	-3.598
6965	203	SU	--	12.74						14.84	12.04	12.24	-2.430	-0.115	-3.130	-2.715					
		52+26	70	5.23						7.13	4.53	4.53	-2.458	-1.204	-3.158	-3.804					
			72	5.21						7.12	4.51	4.52	-2.668	-1.002	-3.368	-3.602					
-0.70	-2.60	7085	227	SU				--	13.00	14.92	12.30	12.32	-2.332	-0.149	-3.032	-2.749					
				52+26				70	5.42	7.20	4.72	4.60	-2.393	-1.240	-3.093	-3.840					
								72	5.44	7.22	4.74	4.62	-2.449	-1.183	-3.149	-3.783					
		7085	227	SU				--	13.00	14.92	12.30	12.32	-2.332	-0.149	-3.032	-2.749					
				52+26				70	5.42	7.20	4.72	4.60	-2.393	-1.240	-3.093	-3.840					
								72	5.44	7.22	4.74	4.62	-2.449	-1.183	-3.149	-3.783					
80MHz	0	0	-0.70	-2.60				6945	199	SU	--	16.13	17.82	15.43	15.22	-1.233	0.227	-1.933	-2.373		
										484	65	12.71	14.81	12.01	12.21	-1.984	0.187	-2.684	-2.413		
											66	12.72	14.84	12.02	12.24	-2.016	0.118	-2.716	-2.482		
			-0.70	-2.60	7025	215	SU	--	16.01	17.84	15.31	15.24	-1.760	0.259	-2.460	-2.341					
							484	65	12.71	14.82	12.01	12.22	-2.214	0.112	-2.914	-2.488					
								66	12.73	14.83	12.03	12.23	-2.109	0.158	-2.809	-2.442					
160MHz	0	0	-0.70	-2.60	6985	207	SU	--	18.94	18.42	18.24	15.82	-1.304	-1.530	-2.004	-4.130					
							484	65	12.71	14.82	12.01	12.22	-1.561	0.577	-2.261	-2.023					
								66	12.75	14.80	12.05	12.20	-1.509	0.464	-2.209	-2.136					
							S66	66	12.73	14.75	12.03	12.15	-1.890	0.547	-2.590	-2.053					
								S66	66	12.73	14.75	12.03	12.15	-1.890	0.547	-2.590	-2.053				

Note:

EIRP Output Power (dBm) = Measured Conducted Power (dBm) + Peak Antenna Gain (dBi)

EIRP PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) + Duty Factor (dB) + Peak Antenna Gain (dBi)



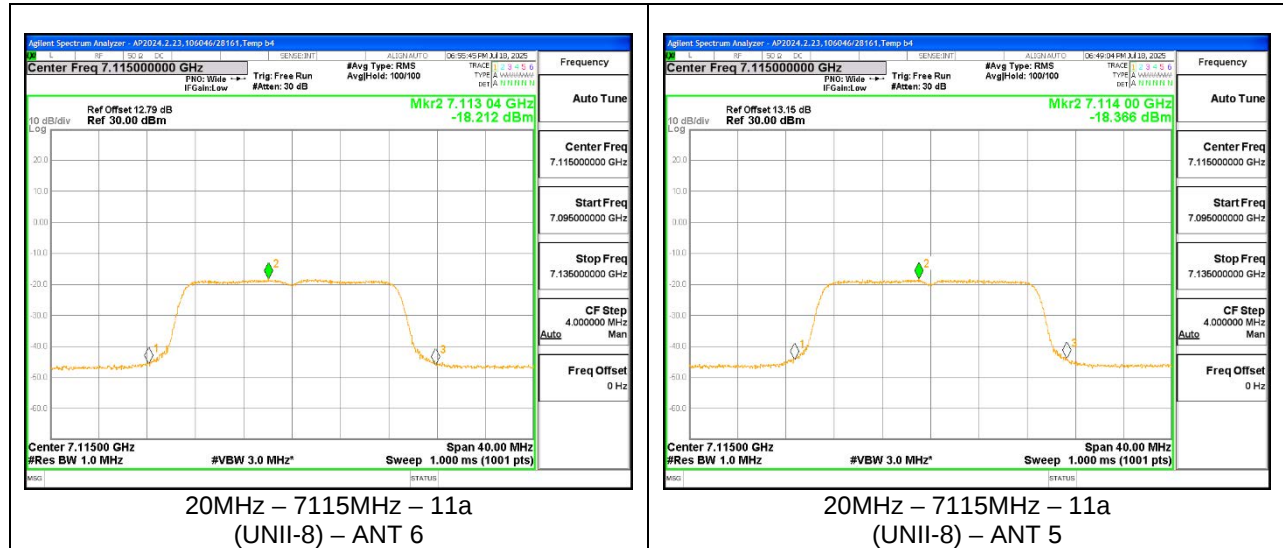
9.5.13. 802.11a MIMO MODE IN THE UNII-8 BAND – LOW POWER

UNII-5 (MIMO)	Duty Factor (dB)	Un-Correlated Antenna Gain (dBi)	Correlated Antenna Gain (dBi)	Frequency (MHz)	Channel Number	Mode	Conducted Power (Gated)		EIRP MIMO Power (Limit = 24dBm EIRP)	Conducted PSD (dBm/MHz)		EIRP MIMO PSD (Limit = -1 dBm/MHz EIRP)
							ANT 6	ANT 5		ANT 6	ANT 5	
20MHz	0	-1.55	1.41	7115	233	11a	-6.52	-6.54	-5.07	-18.212	-18.366	-13.868

Note:

EIRP MIMO Output Power (dBm) = Measured Conducted Power (dBm) (ANT 6 + ANT 5) + Un-Correlated Antenna Gain (dBi)

EIRP MIMO PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) (ANT 6 + ANT 5) + Duty Factor (dB) + Correlated Antenna Gain (dBi)



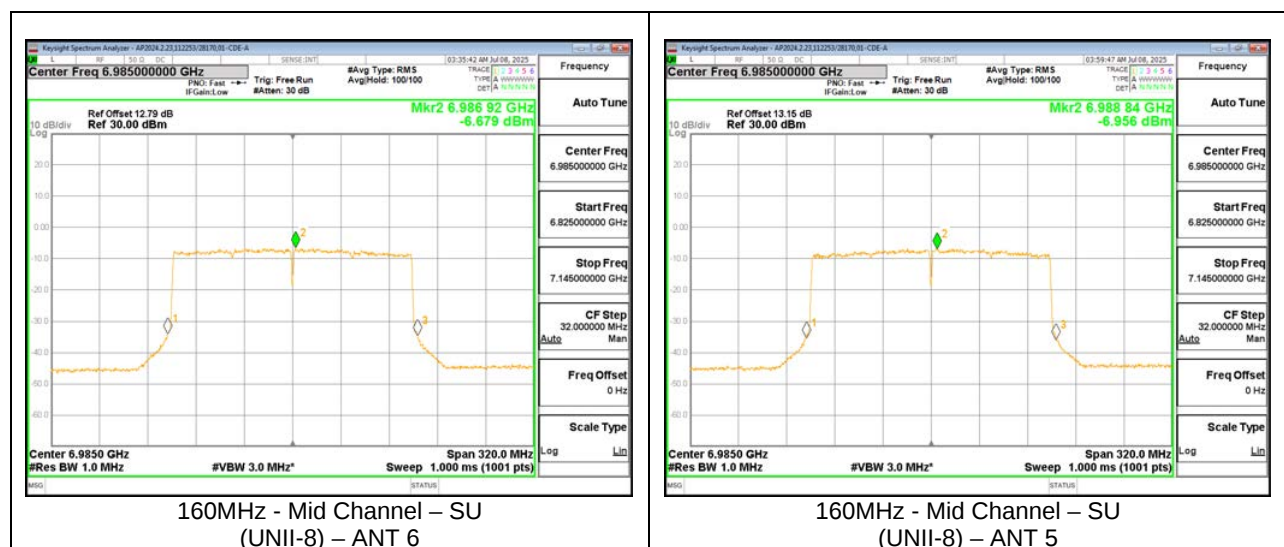
9.5.14. 802.11be MIMO CDD MODE IN THE UNII-8 BAND – LOW POWER

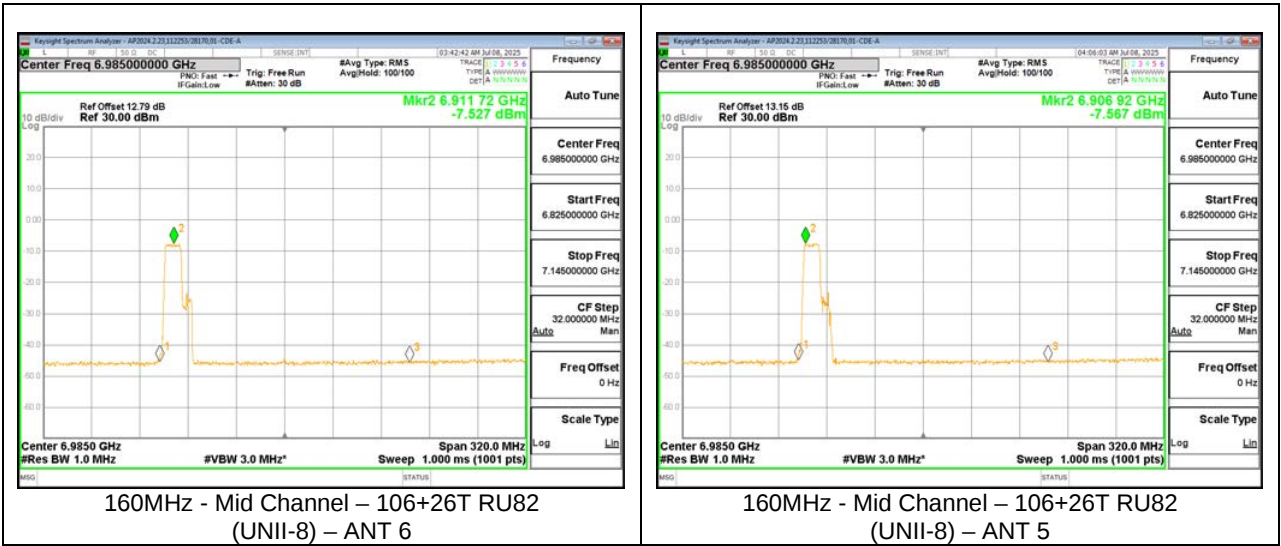
LP CDD UNII-8 (MIMO)	Duty Factor (dB)		Un- Correlated Antenna Gain (dBi)	Correlated Antenna Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated)		EIRP MIMO Power (Limit = 24dBm EIRP)	Conducted PSD (dBm/MHz)		EIRP MIMO PSD (Limit = -1 dBm/MHz EIRP)		
	SU	Partial Rus							ANT 6	ANT 5		ANT 6	ANT 5			
20MHz	0	0	-1.55	1.41	6895	189	SU	--	4.51	4.54	5.99	-7.302	-7.166	-2.813		
							106+26	82	1.81	1.83	3.28	-7.633	-7.775	-3.283		
								83	1.83	1.82	3.29	-7.264	-7.903	-3.151		
					6995	209	SU	--	4.54	4.53	6.00	-7.156	-7.018	-2.666		
							106+26	82	1.82	1.84	3.29	-7.606	-7.882	-3.322		
								83	1.83	1.80	3.28	-7.466	-7.903	-3.259		
					7095	233	SU	--	4.70	4.74	6.18	-7.125	-7.273	-2.778		
							106+26	82	2.42	2.43	3.89	-7.309	-7.278	-2.873		
								83	2.40	2.43	3.88	-7.139	-7.420	-2.857		
40MHz	0	0	0.26	3.27	6885 (Straddle)	187	SU	--	5.93	5.91	9.19	-9.398	-9.403	-3.120		
							106	53	-0.38	-0.38	2.89	-9.408	-9.765	-3.303		
								54	-0.36	-0.39	2.90	-9.296	-9.499	-3.116		
								56	-0.39	-0.36	2.90	-9.160	-9.381	-2.989		
					6965	203	SU	--	7.52	7.53	8.99	-7.410	-7.606	-3.087		
							106	53	1.12	1.14	2.59	-7.940	-7.701	-3.399		
								54	1.14	1.12	2.59	-7.981	-7.792	-3.465		
			-1.55	1.41		7085		227	56	1.12	1.13	2.59	-7.672	-7.908	-3.368	
							SU		--	7.81	7.84	9.29	-7.212	-7.541	-2.953	
							106		53	1.43	1.43	2.89	-7.514	-7.860	-3.263	
				7025	215	54		1.40	1.44	2.88	-7.651	-7.558	-3.184			
						56		1.41	1.40	2.87	-7.542	-7.589	-3.145			
						SU	--	10.72	10.73	12.19	-7.164	-7.138	-2.731			
80MHz	0	0	-1.55	1.41	6945	199	SU	--	10.72	10.73	12.19	-7.164	-7.138	-2.731		
							106+26	82	2.23	2.21	3.68	-7.728	-7.437	-3.160		
								85	2.20	2.24	3.68	-7.693	-7.572	-3.212		
								89	2.21	2.21	3.67	-7.568	-7.694	-3.210		
			-1.55	1.41	7025	215	SU	--	10.74	10.72	12.19	-6.956	-6.929	-2.522		
							106+26	82	1.81	1.83	3.28	-7.886	-7.968	-3.507		
								85	1.82	1.80	3.27	-7.913	-7.976	-3.524		
								89	1.82	1.81	3.28	-8.094	-7.900	-3.576		
160MHz	0	0	-1.55	1.41	6985	207	SU	--	13.53	13.50	14.98	-6.679	-6.956	-2.395		
							106+26	82	1.93	1.92	3.39	-7.527	-7.567	-3.127		
								89	1.94	1.94	3.40	-7.497	-7.358	-3.007		
								S89	1.92	1.93	3.39	-7.723	-7.371	-3.123		

Note:

EIRP MIMO Output Power (dBm) = Measured Conducted Power (dBm) (ANT 6 + ANT 5) + Un-Correlated Antenna Gain (dBi)

EIRP MIMO PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) (ANT 6 + ANT 5) + Duty Factor (dB) + Correlated Antenna Gain (dBi)

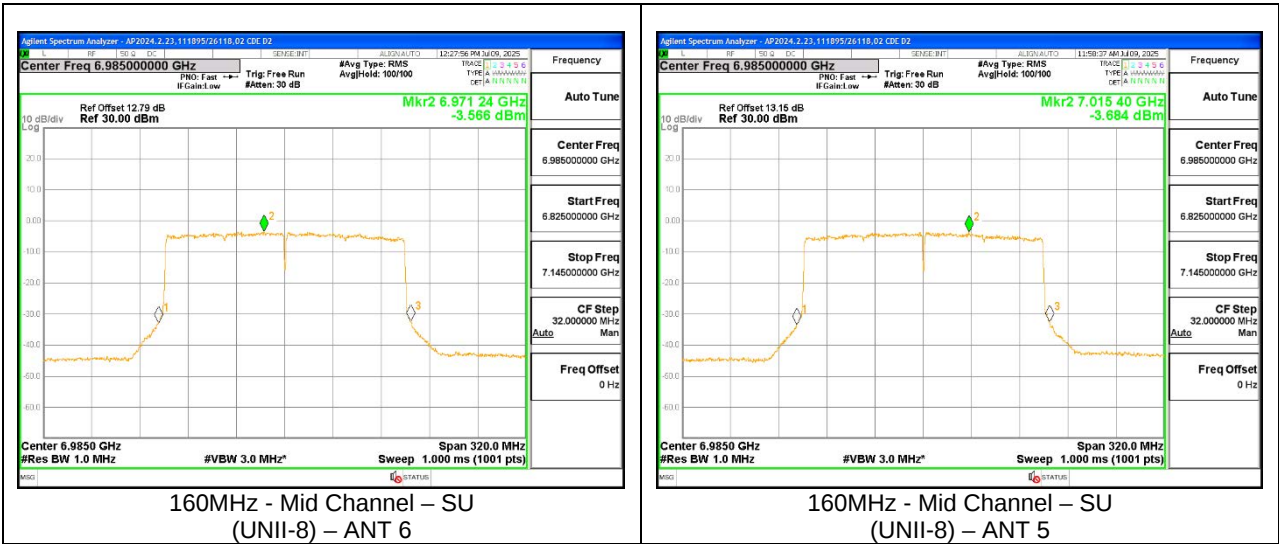


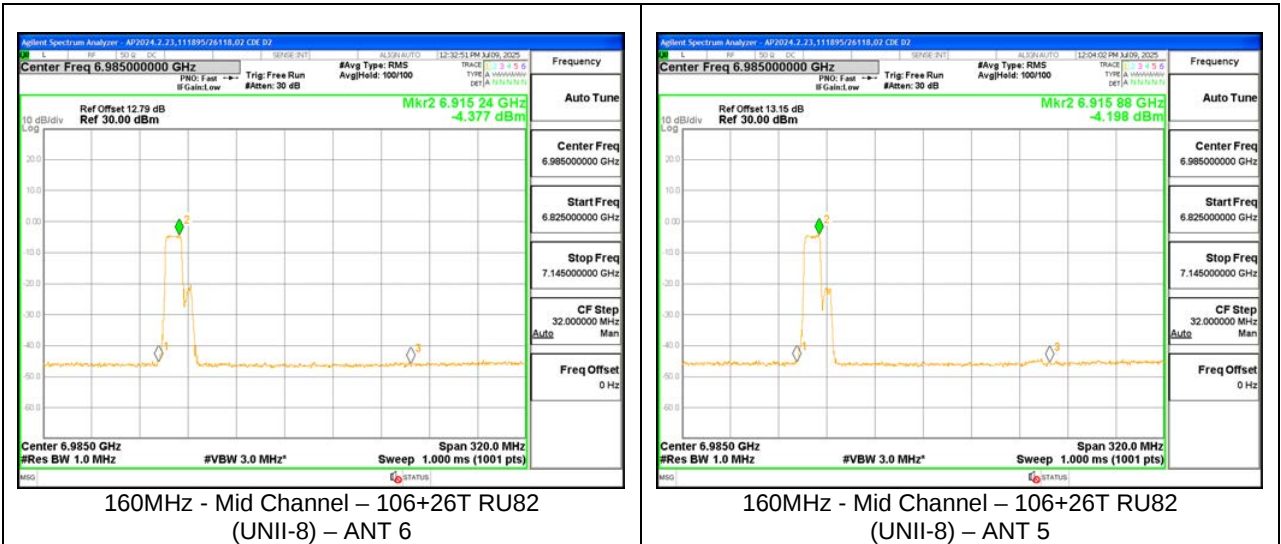


9.5.15. 802.11be MIMO SDM MODE IN THE UNII-8 BAND – LOW POWER

LP SDM UNII-8 (MIMO)	Duty Factor (dB)		Un- Correlated Antenna Gain (dBi)	Correlated Antenna Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated)		EIRP MIMO Power (Limit = 24dBm EIRP)	Conducted PSD (dBm/MHz)		EIRP MIMO PSD (Limit = -1 dBm/MHz EIRP)
	SU	Partial Rus							ANT 6	ANT 5		ANT 6	ANT 5	
20MHz	0	0	-1.55	1.41	6895	189	SU	--	7.51	7.50	8.97	-3.879	-3.899	-2.429
							106+26	82	4.82	4.81	6.28	-4.082	-4.036	-2.599
								83	4.76	4.80	6.24	-3.693	-3.776	-2.274
					6995	209	SU	--	7.51	7.49	8.96	-3.744	-3.882	-2.352
							106+26	82	4.86	4.81	6.30	-4.088	-4.158	-2.663
								83	4.83	4.78	6.27	-3.829	-4.117	-2.510
					7095	233	SU	--	7.72	7.74	9.19	-3.880	-3.787	-2.373
							106+26	82	5.42	5.39	6.87	-3.655	-3.475	-2.104
								83	5.42	5.37	6.86	-3.405	-3.779	-2.128
40MHz	0	0	0.26	3.27	6885 (Straddle)	187	SU	--	8.91	8.92	12.19	-5.379	-5.374	-2.106
							106	53	2.61	2.62	5.89	-6.070	-5.643	-2.581
								54	2.63	2.64	5.91	-5.877	-5.649	-2.491
								56	2.64	2.63	5.91	-5.771	-5.820	-2.525
			-1.55	1.41	6965	203	SU	--	10.52	10.55	12.00	-3.981	-3.362	-2.200
							106	53	4.13	4.13	5.59	-4.191	-4.131	-2.701
								54	4.11	4.12	5.58	-4.101	-3.947	-2.563
								56	4.10	4.14	5.58	-4.274	-4.293	-2.823
			7085	227	SU	--	10.81	10.80	12.27	-3.645	-3.395	-2.058		
					106	53	4.42	4.43	5.89	-4.052	-4.088	-2.610		
						54	4.43	4.44	5.90	-3.820	-4.040	-2.468		
						56	4.40	4.41	5.87	-4.063	-4.276	-2.708		
80MHz	0	0	-1.55	1.41	6945	199	SU	--	13.68	13.66	15.13	-3.751	-3.729	-2.280
							106+26	82	5.21	5.16	6.65	-4.082	-4.407	-2.781
								85	5.22	5.24	6.69	-4.091	-3.976	-2.573
			-1.55	1.41	7025	215	89	5.24	5.25	6.71	-4.114	-3.906	-2.548	
							SU	--	13.71	13.69	15.16	-4.056	-3.772	-2.451
							106+26	82	4.92	4.91	6.38	-4.461	-4.549	-3.044
								85	4.94	4.93	6.40	-4.381	-4.422	-2.941
							89	4.90	4.88	6.35	-4.394	-4.696	-3.082	
							160MHz	0	0	-1.55	1.41	6985	207	SU
106+26	82	4.92	4.95	6.40	-4.377	-4.198								-2.826
	89	4.91	4.92	6.38	-4.256	-4.518								-2.925
	S89	4.89	4.88	6.35	-4.433	-4.479								-2.996

Note:
EIRP MIMO Output Power (dBm) = Measured Conducted Power (dBm) (ANT 6 + ANT 5) + Un-Correlated Antenna Gain (dBi)
EIRP MIMO PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) (ANT 6 + ANT 5) + Duty Factor (dB) + Un-Correlated Antenna Gain (dBi)





9.6. SP OUTPUT POWER AND PSD

LIMITS

FCC §15.407

Band 5.925-7.125 GHz

(7) 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.

RESULTS

The data in these sections follows the same testing parameters used for LP modes PSD tests. For test setting parameters, please refer to LP mode PSD test plots.

9.6.2. 802.11be MIMO CDD MODE IN THE UNII-5 BAND – STANDARD POWER

SP CDD UNII-5 (MIMO)	Duty Factor (dB)		Un- Correlated Antenna Gain (dBi)	Correlated Antenna Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated)		EIRP MIMO Power (Limit = 30dBm EIRP)	Conducted PSD (dBm/MHz)		EIRP MIMO PSD (Limit = 17 dBm/MHz EIRP)
	SU	Partial Rus							ANT 6	ANT 5		ANT 6	ANT 5	
20MHz	0	0	-0.78	2.12	5955	1	SU	--	18.47	18.42	20.68	6.586	6.485	11.666
							52	37	15.65	15.68	17.90	10.531	10.574	15.683
								38	15.68	15.63	17.89	10.561	10.624	15.723
								40	15.64	15.60	17.85	10.478	10.167	15.456
			-0.03	2.78	6175	45	SU	--	18.40	18.43	21.40	6.588	6.839	12.506
							52	37	14.85	14.83	17.82	9.870	9.719	15.585
								38	14.83	14.84	17.82	9.737	9.612	15.465
								40	14.87	14.80	17.82	10.025	10.086	15.846
			-0.24	2.60	6415	93	SU	--	18.42	18.43	21.20	6.362	6.998	12.302
							52	37	15.03	15.03	17.80	10.103	9.805	15.567
								38	15.08	15.07	17.85	9.862	9.698	15.391
								40	15.03	15.04	17.81	10.183	9.826	15.618
40MHz	0	0.12	-0.78	2.12	5965	3	SU	--	18.45	18.44	20.68	3.988	3.759	9.005
							26	0	12.75	12.66	14.94	10.303	10.364	15.584
								9	12.78	12.72	14.98	10.277	10.362	15.570
								17	12.72	12.67	14.93	10.136	10.172	15.404
			-0.03	2.78	6165	43	SU	--	18.41	18.46	21.42	3.263	3.586	9.218
							26	0	12.12	12.18	15.13	9.852	9.892	15.782
								9	12.18	12.07	15.11	9.341	9.700	15.435
								17	12.15	12.14	15.13	9.239	9.897	15.491
			-0.24	2.60	6405	91	SU	--	18.44	18.43	21.21	4.506	4.197	9.965
							26	0	12.22	12.22	14.99	9.474	10.001	15.476
								9	12.24	12.25	15.02	9.964	10.152	15.789
								17	12.25	12.18	14.99	9.774	9.429	15.335
80MHz	0	0	-0.78	2.12	5985	7	SU	--	18.40	18.38	20.62	0.767	0.740	5.884
							52	37	15.52	15.51	17.75	10.266	10.270	15.398
								45	15.50	15.52	17.74	10.099	10.200	15.280
								52	15.52	15.55	17.77	10.283	10.023	15.285
			-0.03	2.78	6145	39	SU	--	18.47	18.48	21.46	0.375	0.208	6.083
							52	37	14.79	14.81	17.78	9.154	9.690	15.221
								45	14.84	14.80	17.80	9.599	9.600	15.390
								52	14.83	14.72	17.76	9.528	9.457	15.283
			-0.24	2.60	6385	87	SU	--	18.45	18.47	21.23	1.361	1.421	7.001
							52	37	15.02	15.00	17.78	9.548	9.884	15.330
								45	15.05	15.02	17.81	9.596	9.732	15.275
								52	15.09	15.04	17.84	9.724	9.414	15.182
160MHz	0	0	-0.78	2.12	6025	15	SU	--	18.43	18.42	20.66	-2.063	-2.295	2.953
							52	37	15.61	15.62	17.85	9.989	10.195	15.224
								52	15.65	15.61	17.86	10.195	9.952	15.205
								S52	15.65	15.60	17.86	10.063	10.369	15.349
			-0.03	2.78	6185	47	SU	--	18.48	18.45	21.45	-2.300	-1.970	3.658
							52	37	15.05	14.99	18.00	9.538	9.633	15.376
								52	15.04	15.07	18.04	9.858	10.100	15.771
								S52	15.07	15.02	18.03	9.681	10.054	15.662
			-0.24	2.60	6345	79	SU	--	18.37	18.42	21.17	-2.102	-1.973	3.573
							52	37	14.98	14.96	17.74	9.277	9.368	14.933
								52	14.95	14.89	17.69	9.353	9.394	14.984
								S52	14.92	14.93	17.70	9.311	9.394	14.963

Note:

EIRP MIMO Output Power (dBm) = Measured Conducted Power (dBm) (ANT 6 + ANT 5) + Un-Correlated Antenna Gain (dBi)

EIRP MIMO PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) (ANT 6 + ANT 5) + Duty Factor (dB) + Correlated Antenna Gain (dBi)

9.6.3. 802.11be MIMO SDM MODE IN THE UNII-5 BAND – STANDARD POWER

SP SDM UNII-5 (MIMO)	Duty Factor (dB)		Un- Correlated Antenna Gain (dBi)	Correlated Antenna Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated)		EIRP MIMO Power (Limit = 30dBm EIRP)	Conducted PSD (dBm/MHz)		EIRP MIMO PSD (Limit = 17 dBm/MHz EIRP)
	SU	Partial RUs							ANT 6	ANT 5		ANT 6	ANT 5	
20MHz	0	0	-0.78	2.12	5955	1	SU	--	18.40	18.35	20.61	7.434	7.096	9.499
							52	37	18.46	18.40	20.66	13.957	13.591	16.008
								38	18.41	18.41	20.64	13.539	13.510	15.755
								40	18.40	18.45	20.66	13.404	13.803	15.838
			-0.03	2.78	6175	45	SU	--	18.45	18.44	21.43	7.198	7.052	10.106
							52	37	17.68	17.58	20.61	12.781	12.424	15.586
								38	17.65	17.63	20.62	12.529	12.397	15.444
								40	17.63	17.55	20.57	12.701	12.664	15.663
			-0.24	2.60	6415	93	SU	--	18.46	18.46	21.23	7.338	7.089	9.986
							52	37	17.92	17.86	20.66	12.732	12.405	15.342
								38	17.94	17.93	20.71	12.597	12.403	15.271
								40	17.95	17.93	20.71	12.672	12.601	15.407
40MHz	0	0.12	-0.78	2.12	5965	3	SU	--	18.43	18.47	20.68	4.363	4.704	6.767
							26	0	15.62	15.52	17.80	13.073	13.039	15.406
								9	15.65	15.64	17.88	13.171	13.045	15.459
								17	15.60	15.61	17.84	13.362	13.162	15.613
			-0.03	2.78	6165	43	SU	--	18.41	18.43	21.40	3.959	3.990	6.955
							26	0	14.95	14.88	17.90	12.576	12.784	15.782
								9	14.94	14.89	17.90	12.681	12.653	15.767
								17	14.94	14.92	17.91	12.553	12.558	15.656
			-0.24	2.60	6405	91	SU	--	18.44	18.37	21.18	4.403	4.300	7.122
							26	0	15.15	15.09	17.89	12.514	12.864	15.583
								9	15.15	15.10	17.90	12.302	12.406	15.245
								17	15.13	15.11	17.89	12.489	12.181	15.228
80MHz	0	0	-0.78	2.12	5985	7	SU	--	18.44	18.45	20.68	1.559	1.397	3.709
							52	37	18.38	18.39	20.62	13.878	13.920	16.129
								45	18.41	18.41	20.64	13.807	14.131	16.202
								52	18.42	18.42	20.65	13.332	13.571	15.683
			-0.03	2.78	6145	39	SU	--	18.39	18.42	21.39	0.775	0.748	3.742
							52	37	17.60	17.50	20.53	12.238	12.576	15.391
								45	17.65	17.64	20.63	11.904	12.204	15.037
								52	17.62	17.59	20.59	12.288	11.966	15.110
			-0.24	2.60	6385	87	SU	--	18.41	18.45	21.20	1.115	1.447	4.054
							52	37	17.94	17.88	20.68	12.539	12.931	15.510
								45	17.93	17.91	20.69	12.411	12.873	15.418
								52	17.90	17.95	20.70	12.432	12.743	15.361
160MHz	0	0	-0.78	2.12	6025	15	SU	--	18.40	18.42	20.64	-1.814	-1.639	0.505
							52	37	18.41	18.39	20.63	13.148	13.538	15.578
								52	18.45	18.44	20.68	13.163	13.287	15.456
								S52	18.49	18.46	20.71	12.906	12.804	15.086
			-0.03	2.78	6185	47	SU	--	18.38	18.41	21.38	-1.880	-1.668	1.208
							52	37	17.85	17.82	20.82	12.300	12.445	15.353
								52	17.83	17.78	20.79	12.337	12.059	15.181
								S52	17.85	17.81	20.81	12.130	12.357	15.225
			-0.24	2.60	6345	79	SU	--	18.40	18.41	21.18	-1.924	-1.812	0.903
							52	37	17.85	17.81	20.60	12.133	12.545	15.114
								52	17.82	17.78	20.57	12.360	12.056	14.981
								S52	17.83	17.78	20.58	11.884	11.751	14.588

Note:

EIRP MIMO Output Power (dBm) = Measured Conducted Power (dBm) (ANT 6 + ANT 5) + Un-Correlated Antenna Gain (dBi)

EIRP MIMO PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) (ANT 6 + ANT 5) + Duty Factor (dB) + Un-Correlated Antenna Gain (dBi)

9.6.4. 802.11be SISO MODE IN THE UNII-7 BAND – STANDARD POWER

SP UNII-7 (SISO)	Duty Factor (dB)		Ant 6 Gain (dBi)	Ant 5 Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated) (dBm)		EIRP Power (Limit = 30dBm EIRP)		Conducted PSD (dBm/MHz)		EIRP PSD (Limit = 17 dBm/MHz EIRP)	
	SU	Partial RU							ANT 6	ANT 5	ANT 6	ANT 5	ANT 6	ANT 5	ANT 6	ANT 5
20MHz	0	0	-0.10	0.60	6535	117	SU	--	18.96	18.47	18.86	19.07	7.643	7.221	7.543	7.821
							26	0	17.81	17.14	17.71	17.74	15.284	14.783	15.184	15.383
								4	17.82	17.13	17.72	17.73	15.087	14.299	14.987	14.899
								8	17.79	17.11	17.69	17.71	15.183	14.615	15.083	15.215
					6715	153	SU	--	18.91	18.46	18.81	19.06	7.737	7.422	7.637	8.022
							26	0	17.82	17.13	17.72	17.73	15.036	14.716	14.936	15.316
								4	17.79	17.12	17.69	17.72	15.278	14.492	15.178	15.092
								8	17.83	17.14	17.73	17.74	15.446	14.782	15.346	15.382
					6855	181	SU	--	18.94	18.37	18.84	18.97	8.157	7.532	8.057	8.132
							26	0	17.85	17.10	17.75	17.70	15.469	14.637	15.369	15.237
								4	17.82	17.11	17.72	17.71	15.503	14.542	15.403	15.142
								8	17.81	17.13	17.71	17.73	15.357	14.759	15.257	15.359
40MHz	0	0.12	-0.10	0.60	6565	123	SU	--	18.9	18.42	18.80	19.02	5.431	4.795	5.331	5.395
							26	0	17.82	17.01	17.72	17.61	14.586	14.075	14.606	14.795
								9	17.83	17.02	17.73	17.62	14.780	14.139	14.800	14.859
								17	17.82	17.04	17.72	17.64	14.592	14.272	14.612	14.992
					6685	147	SU	--	18.97	18.46	18.87	19.06	5.137	4.559	5.037	5.159
							26	0	17.81	17.02	17.71	17.62	14.707	14.203	14.727	14.923
								9	17.85	17.03	17.75	17.63	14.715	14.301	14.735	15.021
								17	17.80	17.01	17.70	17.61	14.445	14.213	14.465	14.933
					6845	179	SU	--	18.87	18.43	18.77	19.03	5.724	4.920	5.624	5.520
							26	0	17.80	17.03	17.70	17.63	14.273	13.988	14.293	14.708
								9	17.82	17.03	17.72	17.63	14.607	14.133	14.627	14.853
								17	17.76	17.02	17.66	17.62	14.354	14.020	14.374	14.740
80MHz (FCC)	0	0	-0.10	0.60	6625	135	SU	--	18.93	18.43	18.83	19.03	1.535	0.805	1.435	1.405
							26	0	17.80	17.10	17.70	17.70	14.852	14.714	14.752	15.314
								17	17.83	17.11	17.73	17.71	14.895	14.492	14.795	15.092
								36	17.82	17.10	17.72	17.70	14.812	14.329	14.712	14.929
80MHz	0	0	-0.10	0.60	6705	151	SU	--	18.95	18.46	18.85	19.06	1.210	0.685	1.110	1.285
							26	0	17.81	17.13	17.71	17.73	14.878	14.790	14.778	15.390
								17	17.81	17.14	17.71	17.74	14.835	14.636	14.735	15.236
								36	17.82	17.11	17.72	17.71	14.719	14.672	14.619	15.272
					6785	167	SU	--	18.94	18.42	18.84	19.02	1.571	0.769	1.471	1.369
							26	0	17.82	17.10	17.72	17.70	14.895	14.646	14.795	15.246
								17	17.80	17.12	17.70	17.72	14.960	14.692	14.860	15.292
								36	17.83	17.12	17.73	17.72	15.105	14.793	15.005	15.393
160MHz	0	0	-0.10	0.60	6665	143	SU	--	18.92	18.4	18.82	19.00	-1.033	-1.381	-1.133	-0.781
							26	0	18.11	17.23	18.01	17.83	15.283	14.544	15.183	15.144
								36	18.13	17.24	18.03	17.84	15.464	14.534	15.364	15.134
								S36	18.15	17.21	18.05	17.81	15.204	14.606	15.104	15.206

Note:

EIRP Output Power (dBm) = Measured Conducted Power (dBm)+ Peak Antenna Gain (dBi)

EIRP PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) + Duty Factor (dB) + Peak Antenna Gain (dBi)

9.6.5. 802.11be MIMO CDD MODE IN THE UNII-7 BAND – STANDARD POWER

SP CDD UNII-7 (MIMO)	Duty Factor (dB)		Un- Correlated Antenna Gain (dBi)	Correlated Antenna Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated)		EIRP MIMO Power (Limit = 30dBm EIRP)	Conducted PSD (dBm/MHz)		EIRP MIMO PSD (Limit = 17 dBm/MHz EIRP)
	SU	Partial Rus							ANT 6	ANT 5		ANT 6	ANT 5	
20MHz	0	0.1	0.26	3.27	6535	117	SU	--	18.47	18.48	21.75	7.248	7.361	13.585
							52+26	70	16.24	16.21	19.50	9.512	9.294	15.785
								71	16.22	16.20	19.48	9.303	9.294	15.679
								72	16.23	16.22	19.50	9.410	9.229	15.701
					6715	153	SU	--	18.49	18.46	21.75	7.314	7.281	13.578
							52+26	70	16.22	16.21	19.49	9.283	9.073	15.560
								71	16.21	16.23	19.49	9.298	9.289	15.674
								72	16.23	16.24	19.51	9.200	9.265	15.613
					6855	181	SU	--	18.46	18.43	21.72	7.739	7.537	13.919
							52+26	70	16.22	16.23	19.50	9.238	9.386	15.693
								71	16.20	16.22	19.48	9.063	9.088	15.456
								72	16.24	16.24	19.51	9.361	9.465	15.794
40MHz	0	0.12	0.26	3.27	6565	123	SU	--	18.43	18.42	21.70	4.616	4.305	10.744
							26	0	11.41	11.41	14.68	8.806	8.843	15.225
								9	11.42	11.44	14.70	9.061	8.754	15.311
								17	11.43	11.43	14.70	8.738	8.852	15.196
					6685	147	SU	--	18.42	18.37	21.67	4.587	4.415	10.782
							26	0	11.42	11.42	14.69	8.988	9.063	15.426
								9	11.44	11.41	14.70	9.126	9.089	15.508
								17	11.42	11.41	14.69	8.897	9.045	15.372
					6845	179	SU	--	18.44	18.41	21.70	4.712	4.595	10.934
							26	0	11.41	11.41	14.68	8.977	8.887	15.333
								9	11.42	11.40	14.68	9.025	8.807	15.318
								17	11.40	11.44	14.69	8.924	9.137	15.432
80MHz (FCC)	0	0	0.26	3.27	6625	135	SU	--	18.42	18.47	21.72	1.591	1.478	7.815
							52	37	14.12	14.11	17.39	8.684	9.121	15.188
								45	14.11	14.12	17.39	8.661	8.805	15.014
								52	14.11	14.11	17.38	8.865	8.807	15.116
80MHz	0	0	0.26	3.27	6705	151	SU	--	18.42	18.43	21.70	1.728	1.324	7.811
							52	37	14.12	14.11	17.39	8.672	8.962	15.100
								45	14.11	14.10	17.38	8.657	9.064	15.146
								52	14.10	14.12	17.38	8.653	8.839	15.027
					6785	167	SU	--	18.42	18.44	21.70	1.975	1.707	8.123
							52	37	14.13	14.14	17.41	8.730	8.934	15.113
								45	14.14	14.13	17.41	8.597	9.086	15.129
								52	14.13	14.13	17.40	8.837	9.019	15.209
160MHz	0	0	0.26	3.27	6665	143	SU	--	18.43	18.42	21.70	-1.537	-1.382	4.821
							106	53	16.12	16.11	19.39	7.671	7.649	13.940
								60	16.13	16.15	19.41	7.415	7.575	13.776
								S60	16.11	16.10	19.38	7.524	7.799	13.944

Note:

EIRP MIMO Output Power (dBm) = Measured Conducted Power (dBm) (ANT 6 + ANT 5) + Un-Correlated Antenna Gain (dBi)

EIRP MIMO PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) (ANT 6 + ANT 5) + Duty Factor (dB) + Correlated Antenna Gain (dBi)

9.6.6. 802.11be MIMO SDM MODE IN THE UNII-7 BAND – STANDARD POWER

SP SDM UNII-7 (MIMO)	Duty Factor (dB)		Un- Correlated Antenna Gain (dBi)	Correlated Antenna Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated)		EIRP MIMO Power (Limit = 30dBm EIRP)	Conducted PSD (dBm/MHz)		EIRP MIMO PSD (Limit = 17 dBm/MHz EIRP)
	SU	Partial Rus							ANT 6	ANT 5		ANT 6	ANT 5	
20MHz	0	0.1	0.26	3.27	6535	117	SU	--	18.40	18.41	21.68	6.683	6.688	9.956
							52+26	70	18.47	18.45	21.73	11.614	11.382	14.870
								71	18.46	18.42	21.71	11.327	11.495	14.782
								72	18.40	18.40	21.67	11.527	11.411	14.840
					6715	153	SU	--	18.42	18.40	21.68	6.985	6.727	10.128
							52+26	70	18.44	18.41	21.70	11.728	11.539	15.005
								71	18.46	18.40	21.70	11.784	11.632	15.079
								72	18.38	18.49	21.71	11.672	11.575	14.994
					6855	181	SU	--	18.43	18.44	21.71	7.060	7.042	10.321
							52+26	70	18.36	18.47	21.69	12.125	11.945	15.406
								71	18.43	18.47	21.72	12.236	11.660	15.328
								72	18.39	18.45	21.69	11.922	11.708	15.187
40MHz	0	0.12	0.26	3.27	6565	123	SU	--	18.41	18.41	21.68	4.053	4.052	7.323
							26	0	14.42	14.47	17.72	12.239	12.088	15.554
								9	14.41	14.43	17.69	12.301	11.697	15.400
								17	14.40	14.38	17.66	12.345	11.847	15.493
					6685	147	SU	--	18.42	18.40	21.68	4.017	4.081	7.319
							26	0	14.40	14.42	17.68	12.135	11.653	15.291
								9	14.48	14.44	17.73	12.211	11.825	15.413
								17	14.45	14.44	17.72	12.157	12.036	15.487
					6845	179	SU	--	18.38	18.44	21.68	4.263	4.141	7.473
							26	0	14.39	14.39	17.66	12.816	12.446	16.025
								9	14.45	14.43	17.71	12.716	12.361	15.932
								17	14.38	14.43	17.68	12.646	12.513	15.970
80MHz (FCC)	0	0	0.26	3.27	6625	135	SU	--	18.42	18.42	21.69	0.736	0.866	4.072
							52	37	17.10	17.12	20.38	11.787	11.813	15.070
								45	17.13	17.14	20.41	12.040	11.859	15.221
								52	17.12	17.11	20.39	11.767	11.857	15.083
80MHz	0	0	0.26	3.27	6705	151	SU	--	18.46	18.43	21.72	0.777	0.872	4.095
							52	37	17.11	17.13	20.39	12.096	11.870	15.255
								45	17.10	17.13	20.39	11.759	11.807	15.053
								52	17.13	17.10	20.39	11.647	11.838	15.014
					6785	167	SU	--	18.44	18.38	21.68	1.007	0.817	4.183
							52	37	17.14	17.10	20.39	12.083	11.864	15.245
								45	17.11	17.12	20.39	11.970	11.875	15.193
								52	17.12	17.11	20.39	11.872	11.873	15.143
160MHz	0	0	0.26	3.27	6665	143	SU	--	18.37	18.41	21.66	-2.219	-2.137	1.092
							106	53	18.47	18.37	21.69	9.792	9.674	13.004
								60	18.42	18.43	21.70	9.702	9.520	12.882
								S60	18.48	18.43	21.73	10.043	10.220	13.403

Note:

EIRP MIMO Output Power (dBm) = Measured Conducted Power (dBm) (ANT 6 + ANT 5) + Un-Correlated Antenna Gain (dBi)

EIRP MIMO PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) (ANT 6 + ANT 5) + Duty Factor (dB) + Un-Correlated Antenna Gain (dBi)

9.7. VLP OUTPUT POWER AND PSD

LIMITS

FCC §15.407

Bands: 5.925–6.425 GHz and 6.525–6.875 GHz

(9) For very low power devices operating in the 5.925-6.425 GHz and 6.525-6.875 GHz bands, the maximum power spectral density must not exceed –5 dBm e.i.r.p in any 1-megahertz band and the maximum e.i.r.p must not exceed 14 dBm.

RESULTS

The data in these sections follows the same testing parameters used for LP modes PSD tests. For test setting parameters, please refer to LP mode PSD test plots.

9.7.1. 802.11be SISO MODE IN THE UNII-5 BAND – VERY LOW POWER

VLP UNII-5 (SISO)	Duty Factor (dB)		ANT 6 Gain (dBi)	ANT 5 Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated) (dBm)		EIRP Power (Limit = 14dBm EIRP)		Conducted PSD (dBm/MHz)		EIRP PSD (Limit = -5 dBm/MHz EIRP)	
	SU	Partial RU							ANT 6	ANT 5	ANT 6	ANT 5	ANT 6	ANT 5	ANT 6	ANT 5
20MHz	0	0	1.50	-2.40	6115	33	SU	--	3.62	7.62	5.12	5.22	-8.120	-3.724	-6.620	-6.124
							106+26	82	1.22	5.13	2.72	2.73	-7.927	-4.037	-6.427	-6.437
								83	1.23	5.14	2.73	2.74	-7.578	-3.915	-6.078	-6.315
			1.20	-2.40	6275	65	SU	--	4.01	7.47	5.21	5.07	-7.320	-3.750	-6.120	-6.150
							106+26	82	1.16	5.10	2.36	2.70	-7.558	-3.835	-6.358	-6.235
								83	1.62	5.05	2.82	2.65	-7.578	-3.807	-6.378	-6.207
			1.20	-2.40	6415	93	SU	--	4.22	7.58	5.42	5.18	-7.187	-4.023	-5.987	-6.423
							106+26	82	1.71	5.13	2.91	2.73	-7.092	-4.044	-5.892	-6.444
								83	1.72	5.08	2.92	2.68	-7.121	-4.094	-5.921	-6.494
40MHz	0	0	1.50	-2.40	6125	35	SU	--	6.62	10.38	8.12	7.98	-8.582	-4.084	-7.082	-6.484
							106+26	82	1.22	5.15	2.72	2.75	-9.073	-3.964	-7.573	-6.364
								84	1.20	5.14	2.70	2.74	-8.941	-3.762	-7.441	-6.162
								85	1.21	5.05	2.71	2.65	-8.778	-3.689	-7.278	-6.089
			1.20	-2.40	6285	67	SU	--	7.01	10.50	8.21	8.10	-7.800	-3.687	-6.600	-6.087
							106+26	82	1.65	5.01	2.85	2.61	-8.158	-3.895	-6.958	-6.295
								84	1.62	5.08	2.82	2.68	-7.945	-3.859	-6.745	-6.259
								85	1.61	5.09	2.81	2.69	-8.124	-3.818	-6.924	-6.218
			1.20	-2.40	6405	91	SU	--	7.00	10.51	8.20	8.11	-7.426	-3.606	-6.226	-6.006
							106+26	82	1.62	5.01	2.82	2.61	-8.184	-4.340	-6.984	-6.740
								84	1.62	5.04	2.82	2.64	-7.919	-4.163	-6.719	-6.563
								85	1.64	4.95	2.84	2.55	-8.015	-4.395	-6.815	-6.795
80MHz	0	0	1.50	-2.40	6145	39	SU	--	9.71	13.49	11.21	11.09	-8.840	-3.726	-7.340	-6.126
							484	65	6.61	10.48	8.11	8.08	-9.155	-3.848	-7.655	-6.248
								66	6.62	10.41	8.12	8.01	-8.928	-3.906	-7.428	-6.306
			1.20	-2.40	6305	71	SU	--	9.94	13.46	11.14	11.06	-8.119	-3.505	-6.919	-5.905
							484	65	7.05	10.47	8.25	8.07	-7.894	-3.654	-6.694	-6.054
								66	7.01	10.58	8.21	8.18	-7.767	-3.413	-6.567	-5.813
			1.20	-2.40	6385	87	SU	--	10.02	13.52	11.22	11.12	-7.644	-3.770	-6.444	-6.170
							484	65	6.91	10.47	8.11	8.07	-7.658	-3.519	-6.458	-5.919
								66	6.95	10.51	8.15	8.11	-7.401	-3.666	-6.201	-6.066
160MHz	0	0	1.50	-2.40	6185	47	SU	--	11.41	15.33	12.91	12.93	-9.456	-4.799	-7.956	-7.199
							484	65	6.65	10.42	8.15	8.02	-8.967	-3.445	-7.467	-5.845
								66	6.61	10.44	8.11	8.04	-8.125	-3.687	-6.625	-6.087
								S66	6.61	10.49	8.11	8.09	-8.739	-3.589	-7.239	-5.989
			1.20	-2.40	6345	79	SU	--	11.73	15.23	12.93	12.83	-8.642	-5.309	-7.442	-7.709
							484	65	6.92	10.51	8.12	8.11	-7.898	-3.945	-6.698	-6.345
								66	6.89	10.53	8.09	8.13	-7.951	-4.039	-6.751	-6.439
								S66	6.91	10.52	8.11	8.12	-7.581	-4.115	-6.381	-6.515

Note:

EIRP Output Power (dBm) = Measured Conducted Power (dBm)+ Peak Antenna Gain (dBi)

EIRP PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) + Duty Factor (dB) + Peak Antenna Gain (dBi)

9.7.2. 802.11be MIMO CDD MODE IN THE UNII-5 BAND – VERY LOW POWER

VLP CDD UNII-5 (MIMO)	Duty Factor (dB)		Un- Correlated Antenna Gain (dBi)	Correlated Antenna Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated)		EIRP MIMO Power (Limit = 14dBm EIRP)	Conducted PSD (dBm/MHz)		EIRP MIMO PSD (Limit = -5 dBm/MHz EIRP)
	SU	Partial Rus							ANT 6	ANT 5		ANT 6	ANT 5	
20MHz	0	0	-0.03	2.78	6115	33	SU	--	-0.68	-0.69	2.30	-12.073	-11.792	-6.140
							106+26	82	-3.07	-3.04	-0.07	-12.052	-12.251	-6.360
								83	-3.06	-3.08	-0.09	-11.780	-12.200	-6.195
			-0.24	2.60	6275	65	SU	--	-0.48	-0.46	2.30	-11.815	-11.819	-6.207
							106+26	82	-2.89	-2.85	-0.10	-11.801	-11.511	-6.043
								83	-2.88	-2.91	-0.12	-12.064	-11.801	-6.320
			-0.24	2.60	6415	93	SU	--	-0.39	-0.41	2.37	-11.769	-12.059	-6.301
							106+26	82	-2.88	-2.91	-0.12	-11.879	-12.144	-6.399
								83	-2.86	-2.88	-0.10	-11.585	-12.060	-6.206
40MHz	0	0	-0.03	2.78	6125	35	SU	--	2.21	2.25	5.21	-12.360	-12.217	-6.498
							106+26	82	-3.08	-3.12	-0.12	-12.619	-12.230	-6.630
								84	-3.09	-3.09	-0.11	-12.466	-12.154	-6.517
			-0.24	2.60	6285	67		SU	--	2.51	2.57	5.31	-12.215	-12.075
							106+26	82	-2.88	-2.91	-0.12	-12.481	-12.230	-6.743
								84	-2.86	-2.96	-0.14	-12.26	-12.154	-6.596
			-0.24	2.60	6405	91		SU	--	2.54	2.52	5.30	-12.253	-12.119
							106+26	82	-2.92	-2.92	-0.15	-12.288	-12.413	-6.740
								84	-2.98	-2.91	-0.17	-12.301	-12.268	-6.674
			-0.24	2.60	6405	91		SU	--	2.54	2.52	5.30	-12.253	-12.119
							106+26	82	-2.92	-2.92	-0.15	-12.288	-12.413	-6.740
								84	-2.98	-2.91	-0.17	-12.301	-12.268	-6.674
-0.24	2.60	6405	91	SU	--	2.54		2.52	5.30	-12.253	-12.119	-6.575		
				106+26	82	-2.92	-2.92	-0.15	-12.288	-12.413	-6.740			
					84	-2.98	-2.91	-0.17	-12.301	-12.268	-6.674			
80MHz	0	0	-0.03		2.78	6145	9	SU	--	5.32	5.31	8.30	-12.498	-12.071
				484				65	2.22	2.24	5.21	-12.368	-11.967	-6.373
								66	2.21	2.23	5.20	-12.404	-12.009	-6.412
			-0.24	2.60	6305	71	SU	--	5.41	5.45	8.20	-12.356	-11.869	-6.495
							484	65	2.54	2.54	5.31	-11.952	-11.924	-6.328
								66	2.53	2.54	5.31	-12.305	-11.911	-6.493
			-0.24	2.60	6385	87	SU	--	5.50	5.52	8.28	-12.034	-12.129	-6.471
							484	65	2.42	2.42	5.19	-12.019	-11.817	-6.307
								66	2.40	2.48	5.21	-11.992	-11.634	-6.199
160MHz	0	0	-0.03	2.78	6185	47	SU	--	8.24	8.21	11.21	-12.095	-11.912	-6.212
							484	65	2.24	2.23	5.22	-12.066	-11.836	-6.159
								66	2.25	2.28	5.25	-12.550	-12.696	-6.832
			-0.24	2.60	6345	79		S66	2.23	2.23	5.21	-11.977	-12.296	-6.343
							SU	--	8.23	8.21	10.99	-12.115	-11.956	-6.424
							484	65	2.42	2.48	5.22	-12.147	-12.330	-6.627
			66	2.38	2.43	5.18		-12.575	-12.446	-6.900				
			S66	2.40	2.44	5.19		-12.006	-12.379	-6.578				

Note:

EIRP MIMO Output Power (dBm) = Measured Conducted Power (dBm) (ANT 6 + ANT 5) + Un-Correlated Antenna Gain (dBi)

EIRP MIMO PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) (ANT 6 + ANT 5) + Duty Factor (dB) + Correlated Antenna Gain (dBi)

9.7.3. 802.11be MIMO SDM MODE IN THE UNII-5 BAND – VERY LOW POWER

VLP SDM UNII-5 (MIMO)	Duty Factor (dB)		Un- Correlated Antenna Gain (dBi)	Correlated Antenna Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated)		EIRP MIMO Power (Limit = 14dBm EIRP)	Conducted PSD (dBm/MHz)		EIRP MIMO PSD (Limit = -5 dBm/MHz EIRP)			
	SU	Partial Rus							ANT 6	ANT 5		ANT 6	ANT 5				
20MHz	0	0	-0.03	2.78	6115	33	SU	--	2.17	2.14	5.14	-9.091	-9.353	-6.240			
							106+26	82	-0.29	-0.29	2.69	-9.487	-9.382	-6.454			
								83	-0.28	-0.31	2.69	-9.442	-9.151	-6.314			
			-0.24	2.60	6275	65	SU	--	2.43	2.41	5.19	-9.282	-8.819	-6.274			
							106+26	82	0.04	0.02	2.80	-9.065	-8.864	-6.193			
								83	0.02	0.03	2.80	-9.024	-8.678	-6.077			
			-0.24	2.60	6415	93	SU	--	2.50	2.52	5.28	-9.049	-8.938	-6.223			
							106+26	82	0.01	0.03	2.79	-8.969	-9.031	-6.230			
								83	0.03	0.06	2.82	-8.918	-8.722	-6.049			
			40MHz	0	0	-0.03	2.78	6125	35	SU	--	5.03	5.02	8.01	-9.553	-9.257	-6.422
										106+26	82	-0.28	-0.27	2.71	-9.799	-9.256	-6.539
											84	-0.29	-0.29	2.69	-9.598	-9.201	-6.415
-0.24	2.60	6285				67	SU	--	5.42	5.44	8.20	-9.128	-8.902	-6.243			
							106+26	82	0.03	0.02	2.80	-9.461	-9.707	-6.812			
								84	0.02	0.07	2.82	-9.372	-9.212	-6.521			
-0.24	2.60	6405				91	SU	--	5.43	5.42	8.20	-9.126	-9.230	-6.407			
							106+26	82	-0.11	-0.04	2.70	-9.863	-9.479	-6.896			
								84	-0.03	-0.02	2.75	-9.596	-9.516	-6.786			
-0.24	2.60	6385				87	SU	--	8.13	8.10	11.10	-9.234	-9.544	-6.406			
							484	65	5.04	5.01	8.01	-9.502	-9.794	-6.665			
								66	5.01	5.05	8.01	-9.357	-9.446	-6.421			
80MHz	0	0	-0.03	2.78	6145	9	SU	--	8.13	8.10	11.10	-9.234	-9.544	-6.406			
							484	65	5.04	5.01	8.01	-9.502	-9.794	-6.665			
								66	5.01	5.05	8.01	-9.357	-9.446	-6.421			
			-0.24	2.60	6305	71	SU	--	8.32	8.30	11.08	-9.121	-9.364	-6.471			
							484	65	5.43	5.44	8.21	-9.051	-9.416	-6.459			
								66	5.44	5.45	8.22	-8.864	-9.380	-6.344			
			-0.24	2.60	6385	87	SU	--	8.41	8.42	11.19	-8.959	-9.026	-6.222			
							484	65	5.33	5.32	8.10	-9.453	-9.511	-6.712			
								66	5.31	5.33	8.09	-9.513	-9.337	-6.654			
			160MHz	0	0	-0.03	2.78	6185	47	SU	--	9.93	9.91	12.90	-10.454	-10.340	-7.416
										484	65	5.03	5.02	8.01	-9.738	-9.406	-6.589
											66	5.04	5.01	8.01	-9.826	-9.766	-6.816
-0.24	2.60	6345				79	S66	5.07	5.06	8.05	-9.467	-9.251	-6.377				
							SU	--	10.14	10.12	12.90	-10.096	-10.050	-7.303			
							484	65	5.32	5.31	8.09	-9.525	-9.314	-6.648			
66	5.35	5.33				8.11		-9.476	-9.625	-6.780							
-0.24	2.60	6345				79	S66	5.33	5.38	8.13	-9.457	-9.198	-6.555				
							S66	5.33	5.38	8.13	-9.457	-9.198	-6.555				
							S66	5.33	5.38	8.13	-9.457	-9.198	-6.555				

Note:

EIRP MIMO Output Power (dBm) = Measured Conducted Power (dBm) (ANT 6 + ANT 5) + Un-Correlated Antenna Gain (dBi)

EIRP MIMO PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) (ANT 6 + ANT 5) + Duty Factor (dB) + Correlated Antenna Gain (dBi)

9.7.4. 802.11be SISO MODE IN THE UNII-6 BAND – VERY LOW POWER

VLP UNII-6 (SISO)	Duty Factor (dB)		Ant 6 Gain (dBi)	Ant 5 Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated) (dBm)		EIRP Power (Limit = 14dBm EIRP)		Conducted PSD (dBm/MHz)		EIRP PSD (Limit = -5 dBm/MHz EIRP)	
	SU	Partial RU							ANT 6	ANT 5	ANT 6	ANT 5	ANT 6	ANT 5	ANT 6	ANT 5
20MHz	0	0	0.50	-2.00	6435	97	SU	--	4.61	7.37	5.11	5.37	-6.605	-3.693	-6.105	-5.693
							106	53	1.32	3.97	1.82	1.97	-6.608	-3.723	-6.108	-5.723
								54	1.36	3.98	1.86	1.98	-6.618	-3.765	-6.118	-5.765
					6475	105	SU	--	4.59	7.35	5.09	5.35	-6.721	-3.608	-6.221	-5.608
							106	53	1.38	3.88	1.88	1.88	-6.470	-3.588	-5.970	-5.588
								54	1.36	3.89	1.86	1.89	-6.651	-3.603	-6.151	-5.603
					6515	113	SU	--	4.63	7.30	5.13	5.30	-6.837	-3.769	-6.337	-5.769
							106	53	1.34	3.88	1.84	1.88	-6.635	-3.924	-6.135	-5.924
								54	1.35	3.93	1.85	1.93	-6.516	-4.425	-6.016	-6.425
					40MHz	0	0	0.50	-2.00	6445	99	SU	--	7.78	10.15	8.28
52	37	-1.74	0.74	-1.24								-1.26	-6.419	-3.526	-5.919	-5.526
	41	-1.81	0.76	-1.31								-1.24	-6.688	-3.367	-6.188	-5.367
44	-1.80	0.75	-1.30	-1.25						-6.882	-3.501	-6.382	-5.501			
6485	107	SU	--	7.72						10.22	8.22	8.22	-6.458	-4.085	-5.958	-6.085
		52	37	-1.77						0.71	-1.27	-1.29	-6.529	-3.296	-6.029	-5.296
			41	-1.77				0.76	-1.27	-1.24	-6.514	-3.358	-6.014	-5.358		
0.50	0.60	6525 (Straddle)	115	44				-1.82	0.74	-1.32	-1.26	-6.703	-3.441	-6.203	-5.441	
				SU				--	7.55	7.57	8.05	8.17	-6.689	-6.126	-6.189	-5.526
				52				37	-1.80	-1.85	-1.30	-1.25	-6.745	-7.897	-6.245	-7.297
								41	-1.77	-1.84	-1.27	-1.24	-7.046	-7.781	-6.546	-7.181
								44	-1.81	-1.83	-1.31	-1.23	-7.159	-8.083	-6.659	-7.483
				80MHz	0	0	0.50	-2.00	6465	103	SU	--	10.64	12.95	11.14	10.95
106	53	1.29	3.96								1.79	1.96	-6.536	-3.220	-6.036	-5.220
	56	1.33	3.91								1.83	1.91	-6.644	-3.703	-6.144	-5.703
	60	1.31	3.93								1.81	1.93	-7.179	-4.000	-6.679	-6.000
160MHz	0	0	0.50	0.60	6505 (Straddle)	111	SU	--	12.31	12.28	12.81	12.88	-7.881	-8.175	-7.381	-7.575
							996+484	94	12.02	11.05	12.52	11.65	-6.563	-7.142	-6.063	-6.542
								95	12.04	10.98	12.54	11.58	-6.578	-7.445	-6.078	-6.845
								S95	12.05	10.99	12.55	11.59	-7.163	-7.670	-6.663	-7.070

Note:

EIRP Output Power (dBm) = Measured Conducted Power (dBm)+ Peak Antenna Gain (dBi)

EIRP PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) + Duty Factor (dB) + Peak Antenna Gain (dBi)

9.7.5. 802.11be MIMO CDD MODE IN THE UNII-6 BAND – VERY LOW POWER

VLP CDD UNII-6 (MIMO)	Duty Factor (dB)		Un-Correlated Antenna Gain (dBi)	Correlated Antenna Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated)		ERP MIMO Power (Limit = 14dBm ERP)	Conducted PSD (dBm/MHz)		ERP MIMO PSD (Limit = -5 dBm/MHz ERP)
	SU	Partial Rus							ANT 6	ANT 5		ANT 6	ANT 5	
20MHz	0	0.1	-0.57	2.35	6435	97	SU	--	-0.13	-0.11	2.32	-11.175	-11.307	-5.880
							70		-4.73	-4.72	-2.28	-11.164	-11.198	-5.721
							52+26	71	-4.78	-4.82	-2.36	-11.562	-11.343	-5.991
							72		-4.73	-4.74	-2.29	-11.228	-11.184	-5.746
					6475	105	SU	--	-0.14	-0.13	2.31	-11.339	-11.395	-6.007
							70		-4.75	-4.72	-2.29	-11.448	-11.164	-5.843
							52+26	71	-4.77	-4.72	-2.30	-11.451	-11.150	-5.838
							72		-4.76	-4.73	-2.30	-11.404	-11.223	-5.852
					6515	113	SU	--	-0.14	-0.15	2.30	-11.511	-11.494	-6.142
							70		-4.78	-4.80	-2.35	-11.356	-11.124	-5.778
							52+26	71	-4.75	-4.75	-2.31	-11.108	-11.201	-5.694
							72		-4.83	-4.76	-2.35	-11.516	-11.224	-5.907
40MHz	0	0	-0.57	2.35	6445	99	SU	--	2.85	2.81	5.27	-10.943	-11.194	-5.706
							242	61	-0.13	-0.19	2.28	-11.062	-11.482	-5.907
							62		-0.18	-0.12	2.29	-11.141	-11.187	-5.804
					6485	107	SU	--	2.86	2.82	5.28	-11.173	-11.381	-5.915
							242	61	-0.18	-0.20	2.25	-11.385	-11.211	-5.937
							62		-0.22	-0.15	2.26	-11.176	-11.151	-5.803
			0.55	3.56	6525 (Straddle)	115	SU	--	1.55	1.54	5.11	-12.460	-12.267	-5.792
							242	61	-1.37	-1.33	2.21	-12.668	-12.952	-6.237
							62		-1.34	-1.34	2.22	-12.811	-12.685	-6.177
					6465	103	SU	--	5.58	5.63	8.05	-11.190	-11.091	-5.780
							242	70	-0.15	-0.22	2.26	-10.923	-11.067	-5.634
							75		-0.18	-0.21	2.25	-11.165	-11.228	-5.836
80MHz	0	0	-0.57	2.35	6465	103	81		-0.23	-0.24	2.21	-11.001	-11.162	-5.720
							SU	--	7.33	7.36	10.91	-12.485	-12.289	-5.816
							996	67	4.72	4.70	8.27	-12.760	-12.919	-6.268
							S67		4.72	4.68	8.26	-12.636	-12.616	-6.056

Note:

ERP MIMO Output Power (dBm) = Measured Conducted Power (dBm) (ANT 6 + ANT 5) + Un-Correlated Antenna Gain (dBi)

ERP MIMO PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) (ANT 6 + ANT 5) + Duty Factor (dB) + Correlated Antenna Gain (dBi)

9.7.6. 802.11be MIMO SDM MODE IN THE UNII-6 BAND – VERY LOW POWER

VLP SDM UNII-6 (MIMO)	Duty Factor (dB)		Un- Correlated Antenna Gain (dBi)	Correlated Antenna Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated)		EIRP MIMO Power (Limit = 14dBm EIRP)	Conducted PSD (dBm/MHz)		EIRP MIMO PSD (Limit = -5 dBm/MHz EIRP)							
	SU	Partial Rus							ANT 6	ANT 5		ANT 6	ANT 5								
20MHz	0	0.1	-0.57	2.35	6435	97	SU	--	2.74	2.73	5.18	-8.412	-8.411	-5.971							
							52+26	70	-1.86	-1.91	0.56	-8.146	-8.543	-5.800							
								71	-1.90	-1.92	0.53	-8.202	-8.505	-5.811							
								72	-1.88	-1.84	0.58	-8.302	-8.554	-5.886							
					6475	105	SU	--	2.71	2.75	5.17	-8.379	-8.299	-5.899							
							52+26	70	-1.85	-1.90	0.57	-8.346	-8.443	-5.854							
								71	-1.83	-1.93	0.56	-8.351	-8.503	-5.886							
								72	-1.85	-1.91	0.56	-8.295	-8.564	-5.887							
					6515	113	SU	--	2.69	2.71	5.14	-8.564	-8.136	-5.904							
							52+26	70	-1.90	-1.84	0.57	-8.245	-8.516	-5.838							
								71	-1.92	-1.82	0.57	-8.481	-8.507	-5.954							
								72	-1.86	-1.86	0.58	-8.520	-8.606	-6.022							
40MHz	0	0	-0.57	2.35	6445	99	SU	--	5.71	5.70	8.15	-8.102	-8.217	-5.719							
							242	61	2.78	2.70	5.18	-8.322	-8.446	-5.943							
								62	2.72	2.71	5.16	-8.277	-8.583	-5.987							
					6485	107	SU	--	5.76	5.72	8.18	-8.350	-8.154	-5.811							
							242	61	2.74	2.74	5.18	-8.515	-8.460	-6.047							
								62	2.73	2.72	5.17	-8.468	-8.688	-6.136							
			0.55	3.56	6525 (Straddle)	115	SU	--	4.49	4.53	8.07	-9.728	-9.380	-5.990							
							242	61	1.67	1.62	5.21	-10.562	-10.596	-7.019							
								62	1.64	1.63	5.20	-10.688	-10.557	-7.062							
							80MHz	0	0	-0.57	2.35	6465	103	SU	--	8.52	8.56	10.98	-8.313	-8.211	-5.821
														242	70	2.72	2.71	5.16	-8.540	-8.189	-5.921
															75	2.71	2.73	5.16	-8.584	-8.263	-5.980
81	2.69	2.70	5.14	-8.228	-8.424	-5.885															
160MHz	0	0	0.55	3.56	6505 (Straddle)	111									SU	--	9.32	9.33	12.89	-10.951	-11.058
														996	67	7.71	7.72	11.28	-10.091	-9.990	-6.480
							S67	7.70	7.74	11.28	-9.772	-10.132	-6.388								

Note:

EIRP MIMO Output Power (dBm) = Measured Conducted Power (dBm) (ANT 6 + ANT 5) + Un-Correlated Antenna Gain (dBi)

EIRP MIMO PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) (ANT 6 + ANT 5) + Duty Factor (dB) + Un-Correlated Antenna Gain (dBi)

9.7.7. 802.11be SISO MODE IN THE UNII-7 BAND – VERY LOW POWER

VLP UNII-7 (SISO)	Duty Factor (dB)		ANT 6 Gain (dBi)	ANT 5 Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated) (dBm)		EIRP Power (Limit = 14dBm EIRP)		Conducted PSD (dBm/MHz)		EIRP PSD (Limit = -5 dBm/MHz EIRP)	
	SU	Partial RU							ANT 6	ANT 5	ANT 6	ANT 5	ANT 6	ANT 5	ANT 6	ANT 5
20MHz	0	0	-0.10	0.60	6535	117	SU	--	4.95	4.48	4.85	5.08	-5.915	-6.096	-6.015	-5.496
							106	53	1.64	1.03	1.54	1.63	-5.864	-6.638	-5.964	-6.038
								54	1.62	1.01	1.52	1.61	-5.557	-6.661	-5.657	-6.061
					6715	153	SU	--	4.94	4.53	4.84	5.13	-5.819	-5.857	-5.919	-5.257
							106	53	1.62	0.98	1.52	1.58	-5.594	-6.428	-5.694	-5.828
								54	1.60	1.02	1.50	1.62	-5.631	-6.687	-5.731	-6.087
			-0.10	0.60	6875 (Straddle)	185	SU	--	5.15	4.38	5.05	4.98	-5.876	-6.344	-5.976	-5.744
							106	53	1.92	1.32	1.82	1.92	-5.443	-6.235	-5.543	-5.635
								54	1.93	1.33	1.83	1.93	-5.454	-6.224	-5.554	-5.624
40MHz	0	0	-0.10	0.60	6565	123	SU	--	8.01	7.34	7.91	7.94	-5.713	-6.327	-5.813	-5.727
							106	53	1.61	0.98	1.51	1.58	-5.917	-6.409	-6.017	-5.809
								54	1.65	0.99	1.55	1.59	-5.793	-6.574	-5.893	-5.974
								56	1.63	1.01	1.53	1.61	-5.738	-6.873	-5.838	-6.273
					6685	147	SU	--	8.02	7.33	7.92	7.93	-5.626	-5.929	-5.726	-5.329
							106	53	1.62	0.97	1.52	1.57	-5.615	-6.536	-5.715	-5.936
								54	1.63	1.02	1.53	1.62	-5.422	-6.334	-5.522	-5.734
								56	1.66	1.00	1.56	1.60	-5.652	-6.445	-5.752	-5.845
					6845	179	SU	--	8.04	7.29	7.94	7.89	-5.508	-6.514	-5.608	-5.914
							106	53	1.61	1.01	1.51	1.61	-5.979	-6.813	-6.079	-6.213
								54	1.64	1.01	1.54	1.61	-5.883	-6.924	-5.983	-6.324
								56	1.61	1.02	1.51	1.62	-5.860	-6.971	-5.960	-6.371
80MHz	0	0	0.50	0.60	6545 (Straddle)	119	SU	--	10.73	10.61	11.23	11.21	-6.553	-6.852	-6.053	-6.252
							106+26	82	2.18	1.82	2.68	2.42	-7.069	-7.412	-6.569	-6.812
								85	2.16	1.84	2.66	2.44	-6.801	-7.150	-6.301	-6.550
								89	2.10	1.86	2.60	2.46	-6.933	-7.337	-6.433	-6.737
			-0.10	0.60	6705	151	SU	--	11.17	10.31	11.07	10.91	-6.178	-7.026	-6.278	-6.426
							106+26	82	2.74	1.82	2.64	2.42	-6.242	-7.174	-6.342	-6.574
								85	2.73	1.82	2.63	2.42	-6.249	-7.216	-6.349	-6.616
								89	2.74	1.87	2.64	2.47	-6.258	-7.500	-6.358	-6.900
			-0.10	0.60	6865 (Straddle)	183	SU	--	11.12	10.51	11.02	11.11	-6.272	-6.874	-6.372	-6.274
							106+26	82	2.71	1.91	2.61	2.51	-6.236	-7.358	-6.336	-6.758
								85	2.75	1.92	2.65	2.52	-6.206	-7.086	-6.306	-6.486
								89	2.75	1.93	2.65	2.53	-6.134	-7.123	-6.234	-6.523
160MHz	0	0	-0.10	0.60	6665	143	SU	--	12.92	12.19	12.82	12.79	-6.677	-7.717	-6.777	-7.117
							996	67	11.12	10.32	11.02	10.92	-6.170	-6.604	-6.270	-6.004
								S67	11.14	10.33	11.04	10.93	-6.164	-6.627	-6.264	-6.027
			-0.10	0.60	6825 (Straddle)	175	SU	--	12.93	12.17	12.83	12.77	-6.199	-7.121	-6.299	-6.521
							996	67	11.11	10.33	11.01	10.93	-6.124	-6.625	-6.224	-6.025
								S67	11.09	10.31	10.99	10.91	-5.959	-6.765	-6.059	-6.165

Note:

EIRP Output Power (dBm) = Measured Conducted Power (dBm)+ Peak Antenna Gain (dBi)

EIRP PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) + Duty Factor (dB) + Peak Antenna Gain (dBi)

9.7.8. 802.11be MIMO CDD MODE IN THE UNII-7 BAND – VERY LOW POWER

VLP CDD UNII-7 (MIMO)	Duty Factor (dB)		Un- Correlated Antenna Gain (dBi)	Correlated Antenna Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated)		ERP MIMO Power (Limit = 14dBm EIRP)	Conducted PSD (dBm/MHz)		EIRP MIMO PSD (Limit = -5 dBm/MHz EIRP)				
	SU	Partial Rus							ANT 6	ANT 5		ANT 6	ANT 5					
20MHz	0	0	0.26	3.27	6535	117	SU	--	-1.42	-1.37	1.88	-11.935	-12.301	-5.834				
							106+26	82	-3.85	-3.78	-0.54	-12.349	-12.004	-5.893				
								83	-3.83	-3.82	-0.55	-12.015	-12.153	-5.803				
					6715	153	SU	--	-1.46	-1.41	1.84	-11.987	-12.116	-5.771				
							106+26	82	-3.79	-3.82	-0.53	-12.080	-11.771	-5.642				
								83	-3.78	-3.83	-0.53	-11.707	-12.003	-5.572				
			0.26	3.27	6875 (Straddle)	185	SU	--	-1.21	-1.18	2.08	-11.941	-12.034	-5.707				
							106+26	82	-3.72	-3.69	-0.43	-12.202	-12.223	-5.932				
								83	-3.74	-3.68	-0.44	-11.620	-12.231	-5.634				
40MHz	0	0	0.26	3.27	6565	123	SU	--	1.69	1.73	4.98	-11.497	-11.773	-5.353				
							106	53	-4.69	-4.71	-1.43	-11.906	-11.773	-5.559				
								54	-4.71	-4.65	-1.41	-11.587	-11.932	-5.476				
								56	-4.70	-4.68	-1.42	-11.843	-11.966	-5.624				
							6685	147	SU	--	1.71	1.74	5.00	-11.624	-11.733	-5.398		
									106	53	-4.71	-4.69	-1.43	-11.986	-11.936	-5.681		
					54	-4.69				-4.70	-1.42	-11.661	-11.782	-5.441				
					6845	179	106	56	-4.71	-4.68	-1.42	-12.067	-11.868	-5.686				
								SU	--	1.75	1.69	4.99	-11.859	-11.740	-5.519			
								53	-4.68	-4.71	-1.42	-11.709	-11.796	-5.472				
							54		-4.68	-4.69	-1.41	-11.685	-11.816	-5.470				
									56	-4.69	-4.73	-1.44	-11.884	-11.944	-5.634			
80MHz	0	0	0.55	3.56			6545 (Straddle)	119	SU	--	4.72	4.70	8.27	-12.995	-13.152	-6.502		
					484+242	90			3.16	3.14	6.71	-13.217	-13.579	-6.824				
						92			3.14	3.16	6.71	-13.622	-13.659	-7.070				
						93			3.11	3.15	6.69	-13.414	-13.722	-6.995				
					0.26	3.27			6705	151	SU	--	4.76	4.67	7.99	-11.467	-11.582	-5.244
											484+242	90	3.31	3.31	6.58	-11.632	-11.442	-5.256
			92	3.29			3.29	6.56				-11.795	-11.600	-5.416				
			93	3.33			3.33	6.60				-11.826	-11.970	-5.617				
			0.26	3.27			6865 (Straddle)	183			SU	--	4.78	4.82	8.07	-12.041	-12.228	-5.853
											484+242	90	3.51	3.54	6.80	-11.861	-11.932	-5.616
					92	3.48			3.50	6.76		-11.888	-11.719	-5.522				
					93	3.50			3.55	6.80		-11.925	-12.190	-5.775				
160MHz	0	0	0.26	3.27	6665	143	SU	--	7.40	7.35	10.65	-12.522	-12.838	-6.397				
							996+484	94	6.05	6.16	9.38	-12.531	-12.549	-6.260				
								95	6.17	6.13	9.42	-12.470	-12.703	-6.305				
								S95	6.15	6.10	9.40	-12.660	-12.787	-6.443				
							0.26	3.27	6825 (Straddle)	175	SU	--	7.71	7.72	10.99	-12.319	-12.524	-6.140
											996+484	94	6.17	6.10	9.41	-12.587	-12.783	-6.404
			95	6.10	6.12	9.38						-12.244	-12.860	-6.261				
			S95	6.15	6.11	9.40	-12.660	-12.446	-6.271									

Note:

EIRP MIMO Output Power (dBm) = Measured Conducted Power (dBm) (ANT 6 + ANT 5) + Un-Correlated Antenna Gain (dBi)

EIRP MIMO PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) (ANT 6 + ANT 5) + Duty Factor (dB) + Correlated Antenna Gain (dBi)

9.7.9. 802.11be MIMO SDM MODE IN THE UNII-7 BAND – VERY LOW POWER

VLP SDM UNII-7 (MIMO)	Duty Factor (dB)		Un- Correlated Antenna Gain (dBi)	Correlated Antenna Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated)		EIRP MIMO Power (Limit = 14dBm ERP)	Conducted PSD (dBm/MHz)		EIRP MIMO PSD (Limit = -5 dBm/MHz ERP)
	SU	Partial Rus							ANT 6	ANT 5		ANT 6	ANT 5	
20MHz	0	0	0.26	3.27	6535	117	SU	--	1.59	1.62	4.88	-9.987	-10.037	-6.742
							106+26	82	-0.79	-0.84	2.46	-9.995	-9.591	-6.518
								83	-0.77	-0.80	2.49	-9.661	-9.919	-6.518
					6715	153	SU	--	1.60	1.56	4.85	-10.326	-9.981	-6.880
							106+26	82	-0.75	-0.85	2.47	-9.782	-9.916	-6.578
								83	-0.75	-0.80	2.50	-9.588	-9.779	-6.412
			0.26	3.27	6875 (Straddle)	185	SU	--	1.75	1.75	5.02	-9.681	-9.731	-6.436
							106+26	82	-0.65	-0.68	2.61	-9.652	-9.527	-6.319
								83	-0.67	-0.71	2.58	-9.575	-9.698	-6.366
40MHz	0	0	0.26	3.27	6565	123	SU	--	4.68	4.65	7.94	-9.803	-9.645	-6.453
							106	53	-1.63	-1.71	1.60	-9.948	-9.938	-6.673
								54	-1.65	-1.73	1.58	-9.532	-9.935	-6.459
								56	-1.72	-1.70	1.56	-10.039	-9.455	-6.467
					6685	147	SU	--	4.75	4.70	8.00	-9.748	-9.838	-6.522
							106	53	-1.68	-1.72	1.57	-9.891	-9.455	-6.397
								54	-1.75	-1.67	1.56	-9.533	-9.818	-6.403
								56	-1.71	-1.73	1.55	-9.592	-9.829	-6.439
					6845	179	SU	--	4.69	4.65	7.94	-9.628	-9.881	-6.482
							106	53	-1.73	-1.72	1.55	-9.868	-9.783	-6.555
								54	-1.65	-1.72	1.59	-9.522	-9.974	-6.472
								56	-1.65	-1.63	1.63	-9.882	-9.661	-6.500
80MHz	0	0	0.55	3.56	6545 (Straddle)	119	SU	--	7.71	7.73	11.28	-10.132	-10.067	-6.539
							484+242	90	6.15	6.13	9.70	-10.138	-10.418	-6.715
								92	6.17	6.15	9.72	-10.520	-10.510	-6.955
								93	6.16	6.12	9.70	-10.364	-10.612	-6.926
			0.26	3.27	6705	151	SU	--	7.70	7.66	10.95	-9.762	-9.739	-6.480
							484+242	90	6.30	6.35	9.60	-9.807	-9.994	-6.629
								92	6.25	6.27	9.53	-9.661	-9.559	-6.339
								93	6.30	6.30	9.57	-9.911	-9.906	-6.638
			0.26	3.27	6865 (Straddle)	183	SU	--	7.84	7.82	11.10	-9.178	-9.644	-6.134
							484+242	90	6.50	6.55	9.80	-9.378	-9.604	-6.219
								92	6.51	6.55	9.80	-9.573	-9.547	-6.290
								93	6.57	6.55	9.83	-9.509	-9.612	-6.290
160MHz	0	0	0.26	3.27	6665	143	SU	--	9.65	9.61	12.90	-10.410	-10.410	-7.140
							996+484	94	9.10	9.10	12.37	-9.625	-9.376	-6.228
								95	9.17	9.10	12.41	-9.469	-9.300	-6.113
								S95	9.10	9.15	12.40	-9.748	-9.805	-6.506
			0.26	3.27	6825 (Straddle)	175	SU	--	9.57	9.65	12.88	-10.779	-10.715	-7.477
							996+484	94	9.10	9.16	12.40	-9.409	-9.674	-6.269
								95	9.13	9.14	12.41	-9.706	-9.811	-6.748
								S95	9.11	9.07	12.36	-10.071	-10.085	-6.808

Note:

EIRP MIMO Output Power (dBm) = Measured Conducted Power (dBm) (ANT 6 + ANT 5) + Un-Correlated Antenna Gain (dBi)

EIRP MIMO PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) (ANT 6 + ANT 5) + Duty Factor (dB) + Un-Correlated Antenna Gain (dBi)

9.7.10. 802.11a SISO MODE IN THE UNII-8 BAND – VERY LOW POWER

UNII-5 (SISO)	Duty Factor (dB)	ANT 6 Gain (dBi)	ANT 5 Gain (dBi)	Frequency (MHz)	Channel Number	Mode	Conducted Power (Gated) (dBm)		EIRP Power (Limit = 14dBm EIRP)		Conducted PSD (dBm/MHz)		EIRP PSD (Limit = -5 dBm/MHz EIRP)	
							ANT 6	ANT 5	ANT 6	ANT 5	ANT 6	ANT 5	ANT 6	ANT 5
20MHz	0	-0.7	-2.6	6895	189	11a	6.05	7.78	5.35	5.18	-5.484	-3.676	-6.184	-6.276
				6995	209	11a	6.07	7.73	5.37	5.13	-5.243	-3.689	-5.943	-6.289
				7115	233	11a	-5.56	-5.55	-6.26	-8.15	-17.317	-17.347	-18.017	-19.947

Note:

EIRP Output Power (dBm) = Measured Conducted Power (dBm)+ Peak Antenna Gain (dBi)

EIRP PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) + Duty Factor (dB) + Peak Antenna Gain (dBi)

9.7.11. 802.11be SISO MODE IN THE UNII-8 BAND – VERY LOW POWER

VLP UNII-8 (SISO)	Duty Factor (dB)		ANT 6 Gain (dBi)	ANT 5 Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated) (dBm)		ERP Power (Limit = 14dBm ERP)		Conducted PSD (dBm/MHz)		ERP PSD (Limit = -5 dBm/MHz ERP)								
	SU	Partial RU							ANT 6	ANT 5	ANT 6	ANT 5	ANT 6	ANT 5	ANT 6	ANT 5							
20MHz	0	0	-0.70	-2.60	6895	189	SU	--	6.09	7.69	5.39	5.09	-6.184	-4.474	-6.884	-7.074							
							106+26	82	3.43	4.92	2.73	2.32	-6.181	-4.710	-6.881	-7.310							
								83	3.41	4.92	2.71	2.32	-5.901	-4.485	-6.601	-7.085							
							SU	--	6.07	7.66	5.37	5.06	-6.013	-4.300	-6.713	-6.900							
								106+26	82	3.45	4.93	2.75	2.33	-6.193	-4.607	-6.893	-7.207						
							83		3.43	4.95	2.73	2.35	-6.278	-4.531	-6.978	-7.131							
					7095	229	SU	--	6.20	7.82	5.50	5.22	-5.504	-4.031	-6.204	-6.631							
							106+26	82	3.64	5.51	2.94	2.91	-5.608	-4.303	-6.308	-6.903							
								83	3.67	5.52	2.97	2.92	-5.701	-3.952	-6.401	-6.552							
							40MHz	0	0	-0.10	0.60	6885 (Straddle)	187	SU	--	8.21	7.55	8.11	8.15	-7.785	-8.410	-7.885	-7.810
														106	53	1.91	1.26	1.81	1.86	-6.664	-7.470	-6.764	-6.870
															54	1.92	1.25	1.82	1.85	-6.322	-7.833	-6.422	-7.233
56	1.90	1.25	1.80	1.85	-6.544	-7.885									-6.644	-7.285							
-0.70	-2.60	6965	203	SU	--	8.69								10.78	7.99	8.18	-6.630	-4.461	-7.330	-7.061			
				106	53	2.55								4.26	1.85	1.66	-6.628	-4.919	-7.328	-7.519			
					54	2.57				4.25	1.87	1.65	-6.386	-4.697	-7.086	-7.297							
					56	2.55				4.27	1.85	1.67	-6.351	-4.662	-7.051	-7.262							
				7085	227	SU				--	9.02	10.91	8.32	8.31	-6.128	-4.105	-6.828	-6.705					
						106				53	2.61	4.57	1.91	1.97	-6.213	-4.485	-6.913	-7.085					
54	2.63	4.51	1.93							1.91	-6.421	-4.148	-7.121	-6.748									
56	2.64	4.53	1.94	1.93	-6.611					-4.674	-7.311	-7.274											
80MHz	0	0	-0.70	-2.60	6945	199	SU	--	12.10	13.86	11.40	11.26	-5.957	-3.720	-6.657	-6.320							
							484	65	8.72	10.84	8.02	8.24	-6.267	-4.063	-6.967	-6.663							
								66	8.69	10.86	7.99	8.26	-5.790	-3.761	-6.490	-6.361							
			-0.70	-2.60	7025	215	SU	--	12.05	13.76	11.35	11.16	-5.250	-4.067	-5.950	-6.667							
							484	65	8.75	10.86	8.05	8.26	-5.796	-3.747	-6.496	-6.347							
								66	8.71	10.83	8.01	8.23	-6.176	-3.547	-6.876	-6.147							
160MHz	0	0	-0.70	-2.60	6985	207	SU	--	13.63	15.56	12.93	12.96	-6.799	-4.292	-7.499	-6.892							
							996	67	12.07	13.87	11.37	11.27	-5.399	-3.372	-6.099	-5.972							
								S67	12.07	13.79	11.37	11.19	-5.247	-3.638	-5.947	-6.238							

Note:

EIRP Output Power (dBm) = Measured Conducted Power (dBm)+ Peak Antenna Gain (dBi)

EIRP PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) + Duty Factor (dB) + Peak Antenna Gain (dBi)

9.7.12. 802.11a MIMO MODE IN THE UNII-8 BAND – VERY LOW POWER

UNII-8 (MIMO)	Duty Factor (dB)	Un-Correlated Antenna Gain (dBi)	Correlated Antenna Gain (dBi)	Frequency (MHz)	Channel Number	Mode	Conducted Power (Gated)		EIRP MIMO Power (Limit = 14dBm EIRP)	Conducted PSD (dBm/MHz)		EIRP MIMO PSD (Limit = -5 dBm/MHz EIRP)
							ANT 6	ANT 5		ANT 6	ANT 5	
20MHz	0	-1.55	1.41	7115	233	11a	-6.53	-6.57	-5.09	-18.207	-18.375	-13.870

Note:

EIRP MIMO Output Power (dBm) = Measured Conducted Power (dBm) (ANT 6 + ANT 5) + Un-Correlated Antenna Gain (dBi)

EIRP MIMO PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) (ANT 6 + ANT 5) + Duty Factor (dB) + Correlated Antenna Gain (dBi)

9.7.13. 802.11be MIMO CDD MODE IN THE UNII-8 BAND – VERY LOW POWER

VLP CDD UNII-8 (MIMO)	Duty Factor (dB)		Un- Correlated Antenna Gain (dBi)	Correlated Antenna Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated)		EIRP MIMO Power (Limit = 14dBm EIRP)	Conducted PSD (dBm/MHz)		EIRP MIMO PSD (Limit = -5 dBm/MHz EIRP)
	SU	Partial Rus							ANT 6	ANT 5		ANT 6	ANT 5	
20MHz	0	0	-1.55	1.41	6895	189	SU	--	0.54	0.51	1.99	-11.465	-11.603	-7.113
							106+26	82	-2.18	-2.21	-0.73	-11.703	-11.852	-7.357
								83	-2.17	-2.12	-0.68	-11.766	-11.728	-7.327
					6995	209	SU	--	0.59	0.53	2.02	-11.245	-11.643	-7.019
							106+26	82	-2.18	-2.25	-0.75	-11.823	-11.838	-7.410
								83	-2.17	-2.19	-0.72	-11.451	-11.840	-7.221
					7095	229	SU	--	0.69	0.79	2.20	-11.245	-11.331	-6.867
							106+26	82	-1.60	-1.63	-0.15	-11.065	-10.656	-6.435
								83	-1.55	-1.64	-0.13	-10.777	-11.091	-6.511
40MHz	0	0	0.26	3.27	6885 (Straddle)	187	SU	--	1.95	1.96	5.23	-12.440	-12.787	-6.330
							242	61	-1.12	-1.19	2.12	-13.540	-13.729	-7.353
								62	-1.16	-1.14	2.12	-13.105	-13.380	-6.960
			-1.55	1.41	6965	203	SU	--	3.51	3.55	4.99	-11.460	-11.442	-7.031
							242	61	0.45	0.55	1.96	-12.160	-11.735	-7.522
								62	0.57	0.46	1.98	-11.791	-11.885	-7.417
					7085	227	SU	--	3.78	3.84	5.27	-11.475	-11.240	-6.936
							242	61	0.52	0.45	1.95	-11.854	-12.072	-7.541
								62	0.52	0.55	2.00	-11.910	-11.531	-7.296
			80MHz	0	0	-1.55	1.41	6945	199	SU	--	6.77	6.73	8.21
484+242	90	5.26								5.34	6.76	-11.327	-11.461	-6.973
	92	5.32								5.30	6.77	-11.415	-11.066	-6.817
-1.55	1.41	7025				215	93	5.35	5.30	6.79	-11.424	-11.597	-7.089	
							SU	--	6.68	6.65	8.13	-11.296	-11.158	-6.806
							484+242	90	5.23	5.25	6.70	-11.580	-11.263	-6.998
								92	5.26	5.23	6.71	-11.354	-11.224	-6.868
							93	5.22	5.20	6.67	-11.480	-11.478	-7.059	
160MHz	0	0	-1.55	1.41	6985	207	SU	--	9.45	9.47	10.92	-10.69	-10.78	-6.318
							996+484	94	8.15	8.10	9.59	-11.02	-11.18	-6.679
								95	8.09	8.10	9.56	-11.06	-10.58	-6.397
								S95	8.16	8.12	9.60	-11.21	-11.04	-6.704

Note:

EIRP MIMO Output Power (dBm) = Measured Conducted Power (dBm) (ANT 6 + ANT 5) + Un-Correlated Antenna Gain (dBi)

EIRP MIMO PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) (ANT 6 + ANT 5) + Duty Factor (dB) + Correlated Antenna Gain (dBi)

9.7.14. 802.11be MIMO SDM MODE IN THE UNII-8 BAND – VERY LOW POWER

VLP SDM UNII-8 (MIMO)	Duty Factor (dB)		Un- Correlated Antenna Gain (dBi)	Correlated Antenna Gain (dBi)	Frequency (MHz)	Channel Number	Tone	RU Index	Conducted Power (Gated)		EIRP MIMO Power (Limit = 14dBm EIRP)	Conducted PSD (dBm/MHz)		EIRP MIMO PSD (Limit = -5 dBm/MHz EIRP)	
	SU	Partial Rus							ANT 6	ANT 5		ANT 6	ANT 5		
20MHz	0	0	-1.55	1.41	6895	189	SU	--	3.54	3.49	4.98	-8.405	-8.558	-7.021	
							106+26	82	0.77	0.83	2.26	-8.994	-8.560	-7.311	
								83	0.79	0.87	2.29	-8.584	-8.854	-7.257	
					6995	209	SU	--	3.50	3.51	4.97	-8.406	-8.486	-6.986	
							106+26	82	0.85	0.87	2.32	-8.767	-8.673	-7.259	
								83	0.88	0.83	2.32	-8.439	-8.485	-7.002	
					7095	229	SU	--	3.72	3.69	5.17	-8.255	-8.204	-6.769	
							106+26	82	1.44	1.39	2.88	-8.237	-8.181	-6.749	
								83	1.46	1.45	2.92	-8.109	-8.311	-6.749	
					40MHz	0	0	0.26	3.27	6885 (Straddle)	187	SU	--	4.94	4.95
242	61	1.81	1.84	5.10								-10.515	-10.574	-7.274	
-1.55	1.41	6965	203	62						1.87	1.80	5.11	-10.221	-10.652	-7.161
				SU						--	6.48	6.59	8.00	-8.693	-8.395
		7085	227	242				61	3.55	3.46	4.97	-8.653	-9.046	-7.385	
				62				3.48	3.58	4.99	-8.608	-8.873	-7.278		
				SU				--	6.82	6.84	8.29	-8.092	-8.492	-6.827	
				242				61	3.51	3.46	4.95	-8.888	-8.779	-7.373	
62	3.55	3.51	4.99	-8.740				-8.856	-7.337						
80MHz	0	0	-1.55	1.41				6945	199	SU	--	9.75	9.72	11.20	-8.100
					484+242	90	8.38			8.36	9.83	-8.001	-8.238	-6.658	
						92	8.34			8.37	9.82	-8.005	-8.074	-6.579	
						93	8.32			8.29	9.77	-8.524	-7.938	-6.761	
			-1.55	1.41	7025	215	SU	--	9.68	9.72	11.16	-8.114	-8.130	-6.662	
							484+242	90	8.21	8.25	9.69	-8.286	-8.336	-6.851	
								92	8.24	8.27	9.72	-8.397	-8.149	-6.811	
								93	8.23	8.26	9.71	-8.330	-8.259	-6.834	
160MHz	0	0	-1.55	1.41	6985	207	SU	--	11.41	11.41	12.87	-8.878	-8.870	-7.414	
							996+484	94	11.10	11.11	12.57	-7.949	-8.021	-6.525	
								95	11.13	11.10	12.58	-7.830	-7.775	-6.342	
								S95	11.16	11.18	12.63	-8.011	-7.834	-6.461	

Note:

EIRP MIMO Output Power (dBm) = Measured Conducted Power (dBm) (ANT 6 + ANT 5) + Un-Correlated Antenna Gain (dBi)

EIRP MIMO PSD (dBm/MHz) = Measured Conducted PSD (dBm/MHz) (ANT 6 + ANT 5) + Duty Factor (dB) + Un-Correlated Antenna Gain (dBi)