

TEST REPORT

Report Number: 15496245-E12V2

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

Model : A3523, A3524 (Variants)

Brand : APPLE

FCC ID : BCG-E8958A, BCG-E8959A (Variants)

EUT Description : SMARTPHONE

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

Date Of Issue:
2025-08-19

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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	2025-08-08	Initial Review	---
V2	2025-08-19	Updated Section 10	Gerardo Abrego

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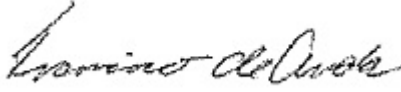
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1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	APPLE INC. 1 APPLE PARK WAY CUPERTINO, CA 95014, U.S.A.
Model	A3523, A3524 (Variants)
Brand	APPLE
FCC ID	BCG-E8958A, BCG-E8959A (Variants, Data Referenced from BCG-E8957A)
EUT Description	SMARTPHONE
Serial Number (Variant, A3523)	H26NLVW71H (Radiated) C07HGM000F80000X9L (Conducted)
Serial Number (Variant, A3524)	WWFW04PXL (Radiated) C07HGJ000PN0000X9M (Conducted)
Serial Number (Reference, A3522)	YN0GJFQ9CJ (Radiated) C07HGE000PP0000X9F (Conducted)
Sample Receipt Date	2025-06-16 TO 2025-06-20 (Variants) 2025-01-16 (Reference)
Date Tested	2025-02-19 to 2025-08-08
Applicable Standards	CFR 47 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.	Tony Li Lead 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 15E
- 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

*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) – Preamp Gain (dB)

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

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 (FCC)

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			
5955-6415	802.11a mode 20MHz	Covered by EHT20	
5955-6415	802.11be EHT20	9.54	8.99
5965-6405	802.11be EHT40	12.34	17.14
5985-6385	802.11be EHT80	15.36	34.36
6025-6345	802.11be EHT160	18.16	65.46
UNII-5 Band, 2TX			
5955-6415	802.11a mode 20MHz	Covered by EHT20	
5955-6415	802.11be EHT20 CDD	7.49	5.61
5955-6415	802.11be EHT20 SDM	9.39	8.69
5965-6405	802.11be EHT40 CDD	10.52	11.27
5965-6405	802.11be EHT40 SDM	12.38	17.30
5985-6385	802.11be EHT80 CDD	13.52	22.49
5985-6385	802.11be EHT80 SDM	15.29	33.81
6025-6345	802.11be EHT160 CDD	16.37	43.35
6025-6345	802.11be EHT160 SDM	18.19	65.92

UNII-6 BAND

Frequency Range (MHz)	Mode	Output Power EIRP (dBm)	Output Power EIRP (mW)
UNII-6 Band, 1TX			
6435 - 6515	802.11a mode 20MHz	Covered by EHT20	
6435 - 6515	802.11be EHT20	9.38	8.67
6445 - 6525	802.11be EHT40	12.27	16.87
6465	802.11be EHT80	15.12	32.51
6505	802.11be EHT160, Straddle Channel	18.02	63.39
UNII-6 band, 2TX			
6435 - 6515	802.11a mode 20MHz	Covered by EHT20	
6435 - 6515	802.11be EHT20 CDD	7.25	5.31
6435 - 6515	802.11be EHT20 SDM	9.34	8.59
6445 - 6525	802.11be EHT40 CDD	10.21	10.50
6445 - 6525	802.11be EHT40 SDM	12.29	16.94
6465	802.11be EHT80 CDD	12.97	19.82
6465	802.11be EHT80 SDM	15.18	32.96
6505	802.11be EHT160 CDD Straddle	16.10	40.74
6505	802.11be EHT160 SDM Straddle	18.10	64.57

UNII-7 BAND

Frequency Range (MHz)	Mode	Output Power EIRP (dBm)	Output Power EIRP (mW)
UNII-7 Band 1TX			
6535 - 6875	802.11a mode 20MHz	Covered by EHT20	
6535 - 6875	802.11be EHT20	9.31	8.53
6565 - 6845	802.11be EHT40	12.18	16.52
6545 - 6865	802.11be EHT80	15.23	33.34
6665 - 6825	802.11be EHT160	17.98	62.81
UNII-7 Band 2TX			
6535 - 6875	802.11a mode 20MHz	Covered by EHT20	
6535-6875	802.11be EHT20 CDD	7.22	5.27
6535-6875	802.11be EHT20 SDM	9.23	8.38
6565-6845	802.11be EHT40 CDD	10.19	10.45
6565-6845	802.11be EHT40 SDM	12.16	16.44
6545-6865	802.11be EHT80 CDD	13.23	21.04
6545-6865	802.11be EHT80 SDM	15.33	34.12
6665-6825	802.11be EHT160 CDD	15.96	39.45
6665-6825	802.11be EHT160 SDM	17.98	62.81

UNII-8 BAND

Frequency Range (MHz)	Mode	Output Power EIRP (dBm)	Output Power EIRP (mW)
UNII-8 Band 1TX			
6895-7095	802.11a mode 20MHz only	Covered by EHT20 except 7115MHz	
7115		-0.91	0.81
6895-7095	802.11be EHT20	9.40	8.71
6885-7085	802.11be EHT40	12.32	17.06
6945-7025	802.11be EHT80	15.35	34.28
6985	802.11be EHT160	18.05	63.83
UNII-8 Band 2TX			
6895-7095	802.11a mode 20MHz only	Covered by EHT20 except 7115MHz	
7115		-1.52	0.70
6895-7095	802.11be EHT20 CDD	7.35	5.43
6895-7095	802.11be EHT20 SDM	9.35	8.61
6885-7085	802.11be EHT40 CDD	10.28	10.67
6885-7085	802.11be EHT40 SDM	12.18	16.52
6945-7025	802.11be EHT80 CDD	13.24	21.09
6945-7025	802.11be EHT80 SDM	15.14	32.66
6985	802.11be EHT160 CDD	16.05	40.27
6985	802.11be EHT160 SDM	18.02	63.39

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	23.04	201.37
5965-6405	802.11be EHT40	23.05	201.84
5985-6385	802.11be EHT80	23.07	202.77
6025-6345	802.11be EHT160	22.57	180.72
UNII-5 Band, 2TX			
5955-6415	802.11be EHT20 CDD	23.42	219.79
5955-6415	802.11be EHT20 SDM	23.42	219.79
5965-6405	802.11be EHT40 CDD	23.39	218.27
5955-6405	802.11be EHT40 SDM	23.40	218.78
5985-6385	802.11be EHT80 CDD	23.39	218.27
5985-6385	802.11be EHT80 SDM	23.41	219.28
6025-6345	802.11be EHT160 CDD	22.93	196.34
6025-6345	802.11be EHT160 SDM	22.89	194.54

UNII-7 BAND (FCC)

UNII-7 Band 1TX			
6535-6855	802.11be EHT20	21.49	140.93
6565-6845	802.11be EHT40	21.49	140.93
6625-6785	802.11be EHT80	21.48	140.60
6665	802.11be EHT160	20.93	123.88
UNII-7 Band 2TX			
6535-6855	802.11be EHT20 CDD	21.88	154.17
6535-6855	802.11be EHT20 SDM	21.89	154.53
6565-6845	802.11be EHT40 CDD	21.90	154.88
6565-6845	802.11be EHT40 SDM	21.88	154.17
6625-6785	802.11be EHT80 CDD	21.88	154.17
6625-6785	802.11be EHT80 SDM	21.86	153.46
6665	802.11be EHT160 CDD	21.39	137.72
6665	802.11be EHT160 SDM	21.35	136.46

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 mode 20MHz	Covered by EHT20	
6115-6415	802.11be EHT20	5.57	3.61
6125-6405	802.11be EHT40	8.55	7.16
6145-6385	802.11be EHT80	11.35	13.65
6185-6345	802.11be EHT160	12.93	19.63
UNII-5 Band, 2TX			
6115-6415	802.11a mode 20MHz	Covered by EHT20	
6115-6415	802.11be EHT20 CDD	3.46	2.22
6115-6415	802.11be EHT20 SDM	5.41	3.48
6125-6405	802.11be EHT40 CDD	6.49	4.46
6125-6405	802.11be EHT40 SDM	8.38	6.89
6145-6385	802.11be EHT80 CDD	9.52	8.95
6145-6385	802.11be EHT80 SDM	11.35	13.65
6185-6345	802.11be EHT160 CDD	11.13	12.97
6185-6345	802.11be EHT160 SDM	12.97	19.82

UNII-6 BAND

Frequency Range (MHz)	Mode	Output Power EIRP (dBm)	Output Power EIRP (mW)
UNII-6 Band, 1TX			
6435 - 6515	802.11a mode 20MHz	Covered by EHT20	
6435 - 6515	802.11be EHT20	5.38	3.45
6445 - 6525	802.11be EHT40	8.30	6.76
6465	802.11be EHT80	11.19	13.15
6505	802.11be EHT160, Straddle Channel	12.95	19.72
UNII-6 band, 2TX			
6435 - 6515	802.11a mode 20MHz	Covered by EHT20	
6435 - 6515	802.11be EHT20 CDD	3.27	2.12
6435 - 6515	802.11be EHT20 SDM	5.38	3.45
6445 - 6525	802.11be EHT40 CDD	6.22	4.19
6445 - 6525	802.11be EHT40 SDM	8.29	6.75
6465	802.11be EHT80 CDD	9.06	8.05
6465	802.11be EHT80 SDM	11.17	13.09
6505	802.11be EHT160 CDD Straddle	10.89	12.27
6505	802.11be EHT160 SDM Straddle	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 mode 20MHz	Covered by EHT20	
6535-6875	802.11be EHT20	5.26	3.36
6565-6845	802.11be EHT40	8.18	6.58
6545-6865	802.11be EHT80	11.25	13.34
6665-6825	802.11be EHT160	12.97	19.82
UNII-7 Band 2TX			
6535-6875	802.11a mode 20MHz	Covered by EHT20	
6535-6875	802.11be EHT20 CDD	3.27	2.12
6535-6875	802.11be EHT20 SDM	5.26	3.36
6565-6845	802.11be EHT40 CDD	6.16	4.13
6565-6845	802.11be EHT40 SDM	8.18	6.58
6545-6865	802.11be EHT80 CDD	9.28	8.47
6545-6865	802.11be EHT80 SDM	11.30	13.49
6665-6825	802.11be EHT160 CDD	10.98	12.53
6665-6825	802.11be EHT160 SDM	12.86	19.32

UNII-8 BAND

Frequency Range (MHz)	Mode	Output Power EIRP (dBm)	Output Power EIRP (mW)
UNII-8 Band 1TX			
6895-7095	802.11a mode 20MHz	Covered by EHT20 except 7115MHz	
7115		-0.91	0.81
6895-7095	802.11be EHT20	5.44	3.50
6885-7085	802.11be EHT40	8.73	7.46
6945-7025	802.11be EHT80	11.37	13.71
6985	802.11be EHT160	12.90	19.50
UNII-8 Band 2TX			
6895-7095	802.11a mode 20MHz	Covered by EHT20 except 7115MHz	
7115		-1.53	0.70
6895-7095	802.11be EHT20 CDD	3.35	2.16
6895-7095	802.11be EHT20 SDM	5.35	3.43
6885-7085	802.11be EHT40 CDD	6.29	4.26
6885-7085	802.11be EHT40 SDM	8.14	6.52
6945-7025	802.11be EHT80 CDD	9.26	8.43
6945-7025	802.11be EHT80 SDM	11.18	13.12
6985	802.11be EHT160 CDD	10.94	12.42
6985	802.11be EHT160 SDM	12.83	19.19

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)	4.10	-6.50	1.45	3.34
	Sub-band 2 (6115 - 6255)	4.10	-7.30	1.39	3.16
	Sub-band 3 (6275 - 6415)	3.00	-7.70	0.34	2.21
6425 - 6525 UNII-6	N/A, 6435	2.60	-6.50	0.09	2.20
UNII-6/7 (Straddle Channel)	N/A	3.00	-6.50	0.45	2.50
6525 - 6875 UNII-7	6855, 6555	3.00	-7.00	0.40	2.38
UNII-7/8 (Straddle Channel)	N/A	3.00	-7.00	0.40	2.38
6875 - 7125 UNII-8	N/A, 7115	2.60	-7.40	0.00	1.98

Note: antenna C0 and antenna C1 indicated in 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)
5925-6105	-3.30	-2.90
6105-6265	-3.30	-2.90
6265-6425	-3.30	-2.90
6425-6525	-3.40	-3.00
6525-6875	-3.50	-3.00
6875-7125	-3.50	-3.10

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 is Luck23A256.

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/ax mode are covered by the 802.11be mode since 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, 160 MHz). Thus, 802.11be mode was tested to represent worst-case, except UNII-8 Channel 233, frequency 7115MHz supports a mode only per client.

With same power on Full RU and SU higher data rate, 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: MCS0
- Radiated bandedge: MCS11
- Radiated spurious emission: 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. For VLP mode, radiated test was performed by setting the output power to the maximum as dual client for test. The fundamental of the EUT was investigated in three orthogonal orientations X,Y,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	ANT6	ANT5	ANT6+5
6GHz	Y-Landscape	Y-Landscape	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.

For 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.

After the investigation, below tables listed the worst-case modes of power and PSD for final conducted test. For radiated test, the worst-case modes of PSD among dual client and VLP modes was selected.

6.5.1. LP

WIFI 7 - 802.11be																			
BW (MHz)	Tone (T)	RU Index	RU Index from Chipset support	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	0 ~ 8																
	52	37 ~ 40	37 ~ 40						X		X								
	52 + 26	70 ~ 81	70, 71, 72																
	106	53 ~ 54	53 ~ 54											X		X		X	
	106 + 26	82 ~ 89	82, 83		X		X												
	242	61	61																
	SU	--	--	X		X		X		X		X		X		X		X	
40	26	0 ~ 17	0 ~ 17																
	52	37 ~ 44	37 ~ 44						X		X								
	52 + 26	70 ~ 81	70, 72, 72, 73, 74, 75																
	106	53 ~ 56	53 ~ 56		X		X										X		X
	106 + 26	82 ~ 89	82, 83, 84, 85																
	242	61 ~ 61	61 ~ 62											X		X			
	484	65	65																
80	SU	--	--	X		X		X		X		X		X		X		X	
	26	0 ~ 36	0 ~ 36																
	52	37 ~ 52	37 ~ 52																
	52 + 26	70 ~ 81	71, 72, 73, 74, 77, 78, 79, 80																
	106	53 ~ 60	53 ~ 60																
	106 + 26	82 ~ 89	82, 85, 86, 89																
	242	61 ~ 64	61 ~ 64																
160	484	65 ~ 66	65 ~ 66		X		X		X		X		X		X		X		X
	484 + 242	90, 91, 92, 93	90, 91, 92, 93														X		X
	996	67	67																
	SU	--	--	X		X		X		X		X		X		X		X	
	26	0 ~ 536	0 ~ 536																
	52	37 ~ 552	37 ~ 552		X		X				X		X		X				
	52 + 26	70 ~ 581	sb0: 71, 72, 73, 74, 77, 78, 79, 80 sb1: 71, 72, 73, 74, 77, 78, 79, 80																
160	106	53 ~ 560	53 ~ 560																
	106 + 26	82 ~ 89	82, 85, 86, 89																
	242	61 ~ 564	61 ~ 564																
	484	65 ~ 566	65 ~ 566							X									
	484 + 242	sb0: 90, 91, 92, 93 sb1: 90, 91, 92, 93	sb0: 90, 91, 92, 93 sb1: 90, 91, 92, 93														X		X
	996	67 ~ 567	67 ~ 567																
	996 + 484	sb0: 94, 95 sb1: 94, 95	sb0: 94, 95 sb1: 94, 95																
160	996 + 484 + 242	sb0: 96, 97, 98, 99 sb1: 96, 97, 98, 99	sb0: 96, 97, 98, 99 sb1: 96, 97, 98, 99																
	996x2	568	568																
	SU	--	--	X		X		X		X		X		X		X		X	

6.5.2. SP

WIFI 7 - 802.11be															
BW (MHz)	Tone (T)	RU Index	RU Index from Chipset support	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)	
				Power	PSD	Power	PSD	Power	PSD	Power	PSD	Power	PSD	Power	PSD
20	26	0 ~ 8	0 ~ 8		X				X				X		X
	52	37 ~ 40	37 ~ 40				X				X				
	52 + 26	70 ~ 81	70, 71, 72												
	106	53 ~ 54	53 ~ 54												
	106 + 26	82 ~ 89	82, 83												
	242	61	61												
40	SU	--	--	X		X		X		X		X		X	
	26	0 ~ 17	0 ~ 17		X				X		X		X		X
	52	37 ~ 44	37 ~ 44				X				X				
	52 + 26	70 ~ 81	70, 72, 73, 74, 75												
	106	53 ~ 56	53 ~ 56												
	106 + 26	82 ~ 89	82, 83, 84, 85												
80	242	61 ~ 61	61 ~ 62												
	484	65	65												
	SU	--	--	X		X		X		X		X		X	
	26	0 ~ 36	0 ~ 36		X		X		X		X		X		X
	52	37 ~ 52	37 ~ 52												
	52 + 26	70 ~ 81	71, 72, 73, 74, 77, 78, 79, 80												
160	106	53 ~ 60	53 ~ 60												
	106 + 26	82 ~ 89	82, 85, 86, 89												
	242	61 ~ 64	61 ~ 64					X		X					
	484	65 ~ 66	65 ~ 66												
	484 + 242	90, 91, 92, 93	90, 91, 92, 93												
	996	67	67												
160	SU	--	--	X		X		X		X		X		X	
	26	0 ~ 536	0 ~ 536		X				X				X		X
	52	37 ~ 552	37 ~ 552				X				X				
	52 + 26	70 ~ 581	sb0: 71, 72, 73, 74, 77, 78, 79, 80 sb1: 71, 72, 73, 74, 77, 78, 79, 80												
	106	53 ~ 560	53 ~ 560												
	106 + 26	82 ~ 89	82, 85, 86, 89												
160	242	61 ~ 564	61 ~ 564					X		X					
	484	65 ~ 566	65 ~ 566												
	484 + 242	sb0: 90, 91, 92, 93 sb1: 90, 91, 92, 93	sb0: 90, 91, 92, 93 sb1: 90, 91, 92, 93												
	996	67 ~ 567	67 ~ 567												
	996 + 484	sb0: 94, 95 sb1: 94, 95	sb0: 94, 95 sb1: 94, 95												
	996 + 484 + 242	sb0: 96, 97, 98, 99 sb1: 96, 97, 98, 99	sb0: 96, 97, 98, 99 sb1: 96, 97, 98, 99												
160	996x2	568	568												
	SU	--	--	X		X		X		X		X		X	

For FCC certification, SP mode will only operate in UNII-5 and UNII-7, and for worst-case testing purpose, SP mode UNII-6 band highest PSD mode set for ISED application was also used for FCC test.

6.5.3. VLP

WIFI 7 - 802.11be																			
BW (MHz)	Tone (T)	RU Index	RU Index from Chipset support	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	0 ~ 8																
	52	37 ~ 40	37 ~ 40																
	52 + 26	70 ~ 81	70, 71, 72																
	106	53 ~ 54	53 ~ 54																
	106 + 26	82 ~ 89	82, 83		X		X		X		X		X		X		X		X
	242	61	61																
	SU	--	--	X		X		X		X		X		X		X		X	
40	26	0 ~ 17	0 ~ 17																
	52	37 ~ 44	37 ~ 44																
	52 + 26	70 ~ 81	70, 72, 72, 73, 74, 75																
	106	53 ~ 56	53 ~ 56																
	106 + 26	82 ~ 89	82, 83, 84, 85		X		X		X		X		X		X		X		X
	242	61 ~ 62	61 ~ 62																
	484	65	65																
80	SU	--	--	X		X		X		X		X		X		X		X	
	26	0 ~ 36	0 ~ 36																
	52	37 ~ 52	37 ~ 52																
	52 + 26	70 ~ 81	71, 72, 73, 74, 77, 78, 79, 80																
	106	53 ~ 60	53 ~ 60																
	106 + 26	82 ~ 89	82, 85, 86, 89		X		X		X		X		X		X		X		X
	242	61 ~ 64	61 ~ 64																
160	484	65 ~ 66	65 ~ 66																
	484 + 242	90, 91, 92, 93	90, 91, 92, 93																
	996	67	67																
	SU	--	--	X		X		X		X		X		X		X		X	
	26	0 ~ S36	0 ~ S36																
	52	37 ~ S52	37 ~ S52		X		X		X		X		X		X		X		X
	52 + 26	70 ~ S81	71, 72, 73, 74, 77, 78, 79, 80																
	106	53 ~ S60	53 ~ S60																
	106 + 26	82 ~ 89	82, 85, 86, 89																
	242	61 ~ S64	61 ~ S64																
	484	65 ~ S66	65 ~ S66																
	484 + 242	sb0: 90, 91, 92, 93 sb1: 90, 91, 92, 93	sb0: 90, 91, 92, 93 sb1: 90, 91, 92, 93																
	996	67 ~ S67	67 ~ S67																
	996 + 484	sb0: 94, 95 sb1: 94, 95	sb0: 94, 95 sb1: 94, 95																
	996 + 484 + 242	sb0: 96, 97, 98, 99 sb1: 96, 97, 98, 99	sb0: 96, 97, 98, 99 sb1: 96, 97, 98, 99																
160	996x2	S68	S68																
	SU	--	--	X		X		X		X		X		X		X		X	

6.5.4. REUSE STATEMENT AND COMPARISON TABLE

ANT6 gain is the same in between A3523/A3524 (variant models) and A3522 (reference model, FCC ID: BCG-E8957A). Antenna gain increased in variant models ANT5 UNII-8 compared to reference model.

For radiated test, all SISO ANT5 and MIMO modes bandedge is retested; SISO ANT6 bandedge and MIMO modes 1GHz to 40GHz spurious emissions are reused from reference model including modes that have either higher power or higher antenna gain compared to reference model as there is no noticeable spurious emissions but noise floor.

For variant models which have identical power compared to reference model in specific modes (LP/SP/VLP-refer to tables below), conducted data is reused from the reference model, 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 different emissions readings between reference model and variant models, data is reused from reference model for variants models.

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

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

Refer to the tables below for conducted retested modes due to power difference between variant models (A3523/A3524) compared to reference model (A3522).

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

BANDS (LP)	VARIANTS AND REFERENCE 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	*SAME	Different	Different	Different
UNII-6	*SAME	*SAME	*SAME	*SAME
UNII-7	*SAME	*SAME	*SAME	*SAME
UNII-8	*SAME	Different	Different	Different
UNII-8 (a mode 7115MHz)	*SAME	*SAME	*SAME	N/S

BANDS (SP)	VARIANTS AND REFERENCE 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	*SAME	*SAME	Different	Different
UNII-7	*SAME	*SAME	**SAME	*SAME

BANDS (VLP)	VARIANTS AND REFERENCE 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	*SAME	Different	Different	Different
UNII-6	*SAME	*SAME	*SAME	**SAME
UNII-7	*SAME	*SAME	*SAME	*SAME
UNII-8	*SAME	Different	Different	Different
UNII-8 (a mode 7115MHz)	*SAME	*SAME	*SAME	N/S

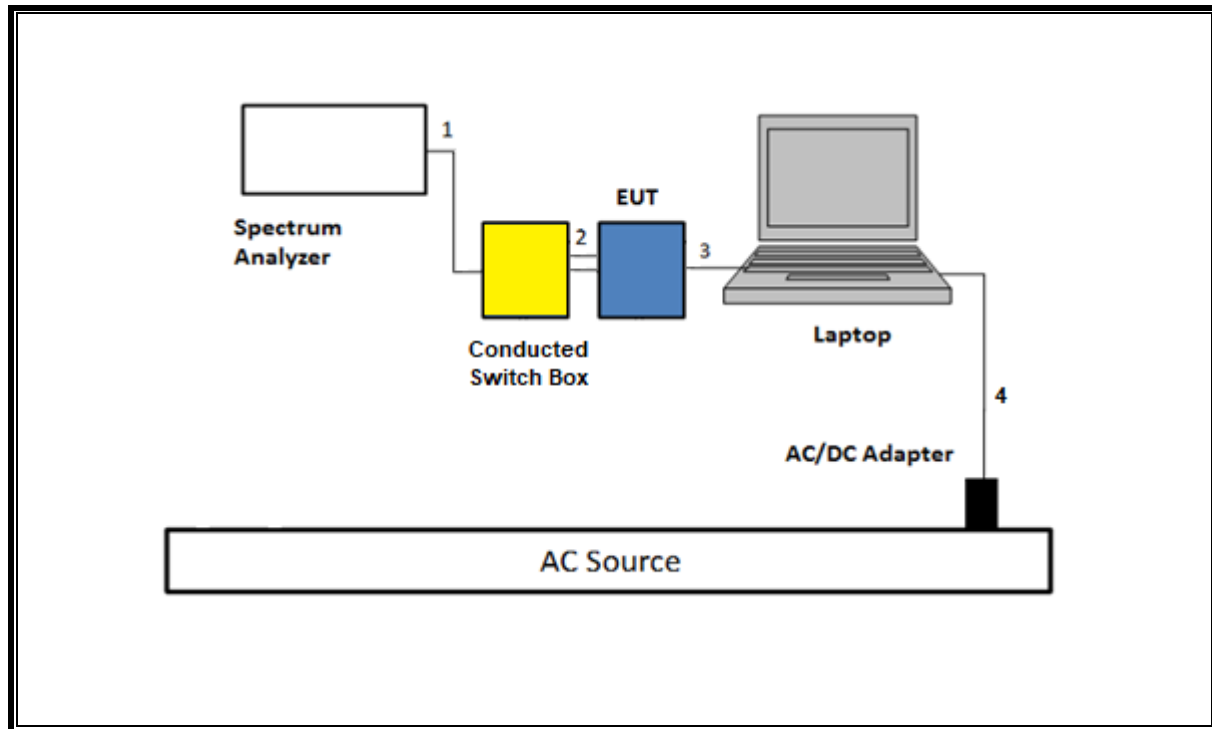
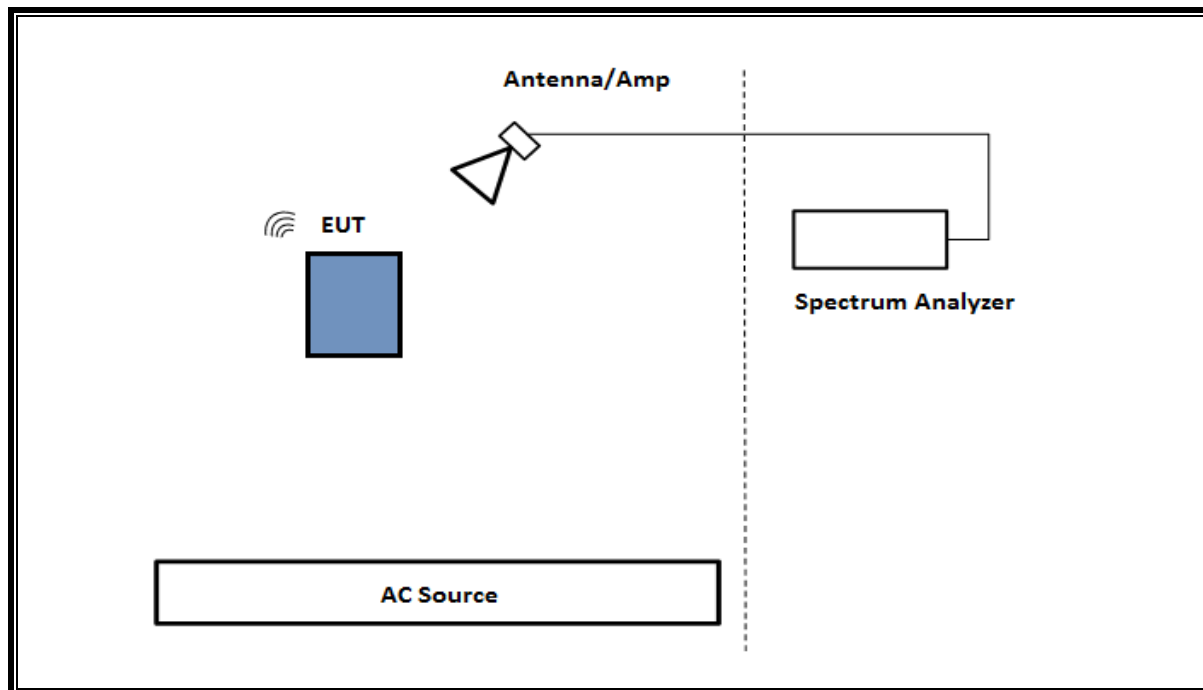
6.6. DESCRIPTION OF TEST SETUP

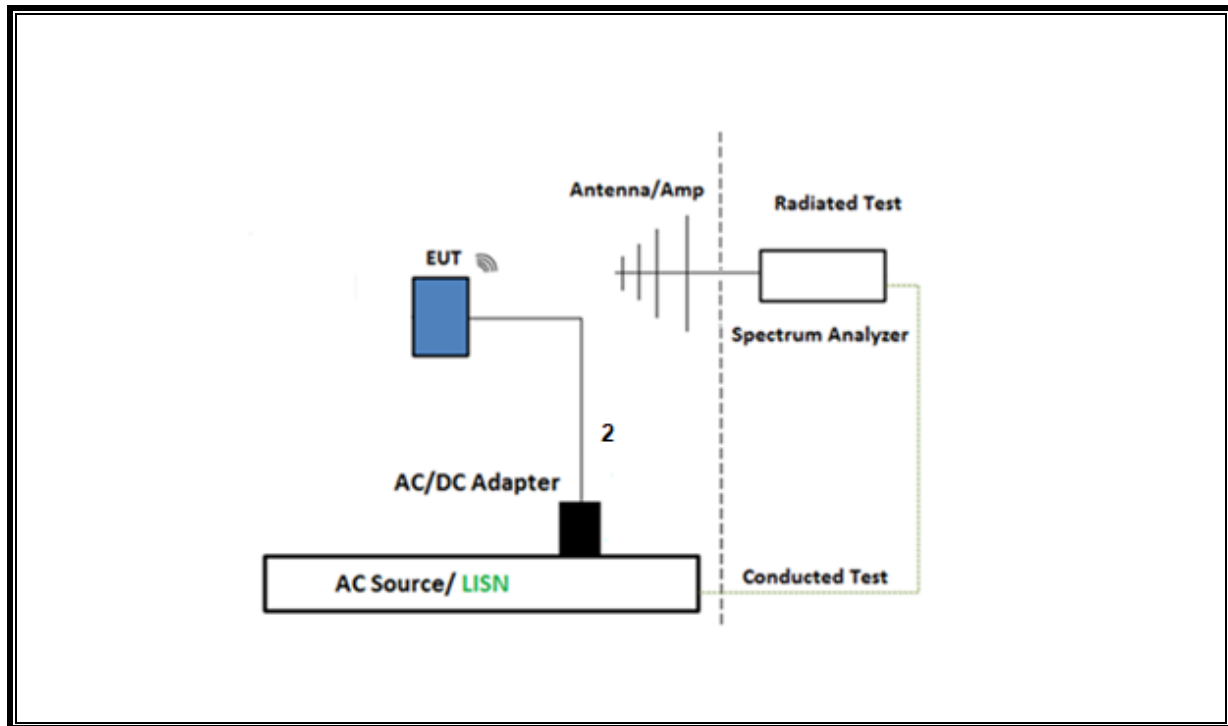
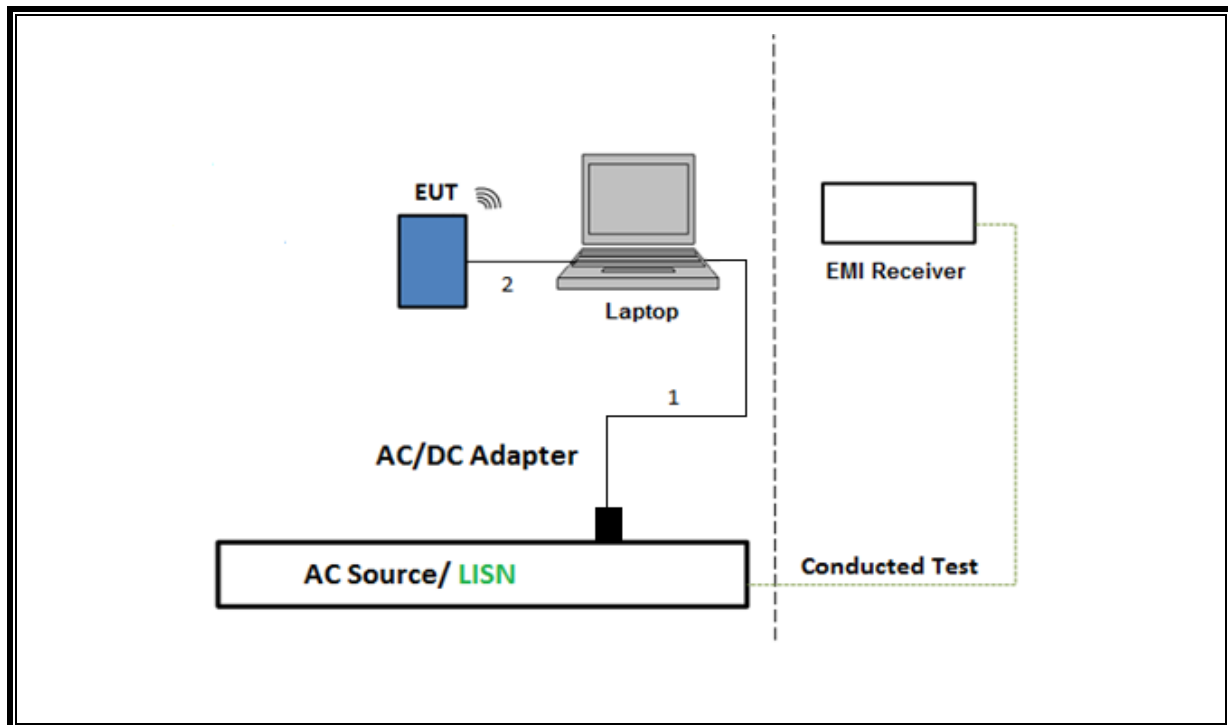
SUPPORT TEST EQUIPMENT						
Description		Manufacturer	Model	Serial Number		FCC ID/ DoC
Laptop		Apple	Macbook Pro	N0X190W19P		DoC
Laptop AC/DC adapter		Apple	A2166	C4H2384086TPM0WAR		DoC
EUT AC/DC adapter		Apple	n/a	30B571		DoC
Conducted Switch Box		UL	CSB	10029		N/A
Companion Device		Apple	iPhone	VALK-CRBNE_1NY1BC1		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	0.2	To spectrum Analyzer
2	Antenna	2	SMA	Shielded	0.2	EUT to Switchbox
3	USB-C	1	USB-C	Shielded	1.0	N/A
4	DC	1	DC	Shielded	2	N/A
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	N/A
2	USB	1	USB-C	Shielded	1	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	Shielded	2	N/A
2	SMA	6	SMA	Shielded	0.75	To PXA/Power Meter/Coupler/CMX 500
3	USB	1	USB-C	Shielded	1	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	DC to AC Mains
2	DC	1	DC	Shielded	1.5	To Laptop
3	USB-C	1	USB-C	Shielded	1.0	N/A
4	SMA	4	SMA	Shielded	0.75	To PXA, coupler, step attenuator and companion device

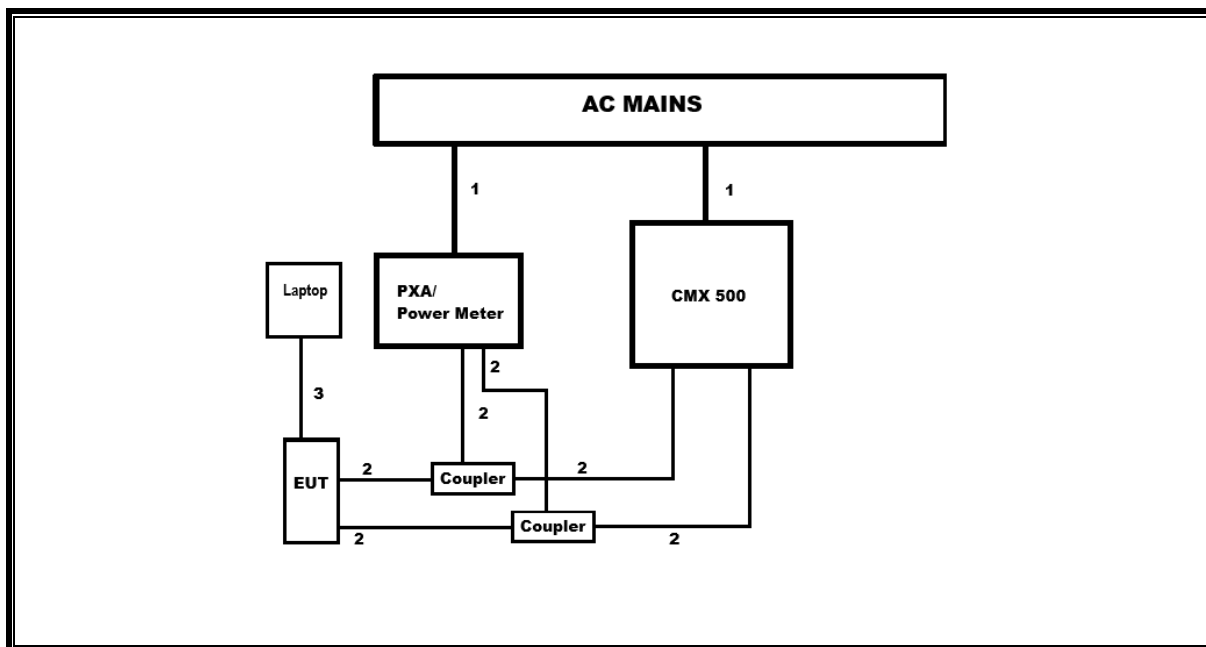
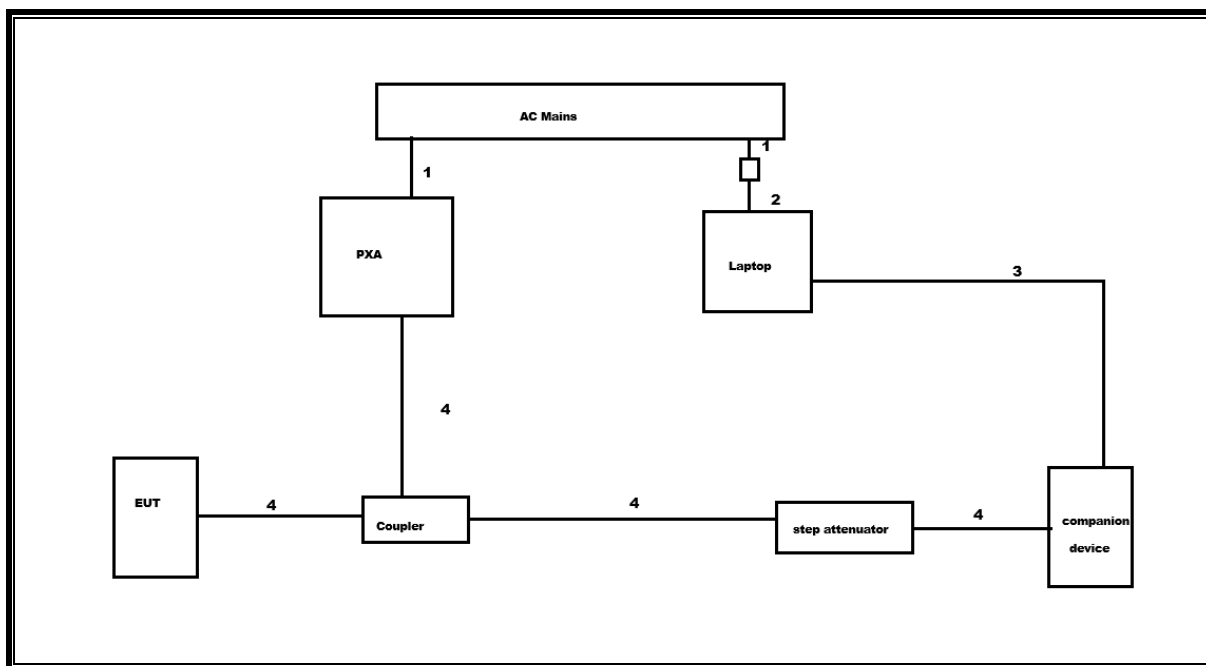
TEST SETUP

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

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.

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**

7. MEASUREMENT METHOD

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

26 dB Emission BW: KDB 789033 D02, Section II-C.

99% Occupied Bandwidth: KDB 789033 D02, Section II-D

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

Power Spectral Density (PSD): 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, Section II-G.3, G.4, G.5, and G.6.

Unwanted emissions in non-restricted bands: KDB 789033 D02, Section 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 was utilized for the tests documented in this report:

TEST EQUIPMENT LIST				
Description	Manufacturer	Model	ID Num	Cal Due
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	125179	2026-01-31
Conducted Switch Box	UL-FR1	CSB	*245783	2025-05-31
DC Power Supply	TDK-LAMBDA	GEN 60-25	PRE0074756	N/A
Boonton Power Sensor	Maury Microwave	RTP4018-S1	262745	2026-04-30
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A-544	90238	2026-01-31
Conducted Switch Box	UL-FR1	CSB	*245782	2025-07-31
DC Power Supply	TDK-LAMBDA	GEN 60-25	PRE0074753	N/A
Boonton Power Sensor	Maury Microwave	RTP4018-S1	262749	2026-04-30
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
Power Meter, P-series single channel	Keysight Technologies Inc	N1911A	90718	2026-01-31
Power Sensor, P - series, 50MHz to 18GHz, Wideband	Keysight Technologies Inc	N1921A	90419	2026-01-31
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	191428	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	84797	2026-10-31
RF Filter Box, 1-18GHz	UL-FR1	Rats 2.0	*225079	2025-05-31
EMI Test Receiver	Rohde & Schwarz	ESW44	235670	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	41112	2026-10-31
RF Filter Box, 1-18GHz	UL-FR1	Rats	243707	2026-04-30
EMI Test Receiver	Rohde & Schwarz	ESW44	169927	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	222741	2026-09-30
RF Filter Box, 1-18GHz	UL-FR1	Frankenstein	217521	2025-08-31
EMI Test Receiver	Rohde & Schwarz	ESW44	223461	2026-02-16
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	201502	2026-02-27
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	80404	2025-08-31
RF Filter Box, 1-18GHz	UL-FR1	Rats 2.0	226781	2026-03-31
EMI Test Receiver	Rohde & Schwarz	ESW44	226078	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
EMI Test Receiver	Rohde & Schwarz	ESW44	226079	2026-02-28
Antenna, Broadband Hybrid 30 MHz -3 GHz	Sunol Sciences Corp.	JB3	80714	2026-11-30
Link File, @3m, 9kHz-1000MHz Hybrid Path Loss	UL-FR1	Port 0 Factors	230920	2026-05-31
Antenna, Horn 18-26.5GHz	A.R.A	MWH-1826/B	172354	2027-05-31
Link File, RF Amplifier Assembly, 18-26.5GHz, 60dB Gain	Ampical	AMP18G26.5-60	*221832	2025-03-31
Antenna, Horn 26.5-40GHz	A.R.A	MWH-2640/B	172367	2026-07-31
Link File, RF Amplifier Assembly, 26 - 40GHz, 60dB Gain	Ampical	AMP26G40-60	*220537	2025-07-31
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	*81887	2025-03-31
RF Filter Box, 1-18GHz	UL-FR1	Rats 2.0	225575	2025-11-30

EMI Test Receiver	Rohde & Schwarz	ESW44	201498	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	200785	2026-12-31
RF Filter Box, 1-18GHz	UL-FR1	Frankenstein	235088	2026-04-30
EMI Test Receiver	Rohde & Schwarz	ESW44	201500	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	80402	2025-07-31
RF Filter Box, 1-18GHz	UL-FR1	Frankenstein	216812	2026-01-31
EMI Test Receiver	Rohde & Schwarz	ESW44	230548	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	*80403	2025-06-30
RF Filter Box, 1-18GHz	UL-FR1	Rats2	236726	2025-10-31
EMI Test Receiver	Rohde & Schwarz	ESW44	223460	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	206806	2027-03-31
RF Filter Box, 1-18GHz	UL-FR1	NA	173233	2026-04-29
EMI Test Receiver	Rohde & Schwarz	ESW44	235266	2026-02-28
Antenna, Passive Loop 30Hz - 1MHz	ELECTRO-METRICS	EM-6871	219908	2025-09-30
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	226673	2026-02-28
RF Filter Box, 1-18GHz	UL-FR1	Frankenstein	231874	2026-06-29
EMI Test Receiver	Rohde & Schwarz	ESW44	169933	2026-02-28

*Testing was completed before equipment calibration date

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				
Radiated Software	UL	UL EMC	Ver 9.5 May 1, 2023	
AC Line Conducted Software	UL	UL EMC	Ver 9.5 Jan 9, 2023	
Conducted Software	UL	Station Tool	v2025.6.1, v2025.6.0, v2025.5.3, v2025.4.8, v2025.4.1, v2025.3.0, v2025.2.0, v2025.1.0	

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(.3meter)	Pasternack	PE360-12	246328	2026-05-31
SMA-SMA cable(.3meter)	Pasternack	PE360-12	246324	2026-05-31
SMA-SMA cable(.3meter)	Pasternack	PE360-12	246326	2026-05-31
SMA-SMA cable(.6meter)	Pasternack	PE360-24	246274	2026-05-31
Radio Communication Tester	Rohde & Schwarz (Koeln) GmbH & Co. KG	CMX500	209009	2026-03-31

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

9. ANTENNA PORT TEST RESULTS

9.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

PROCEDURE

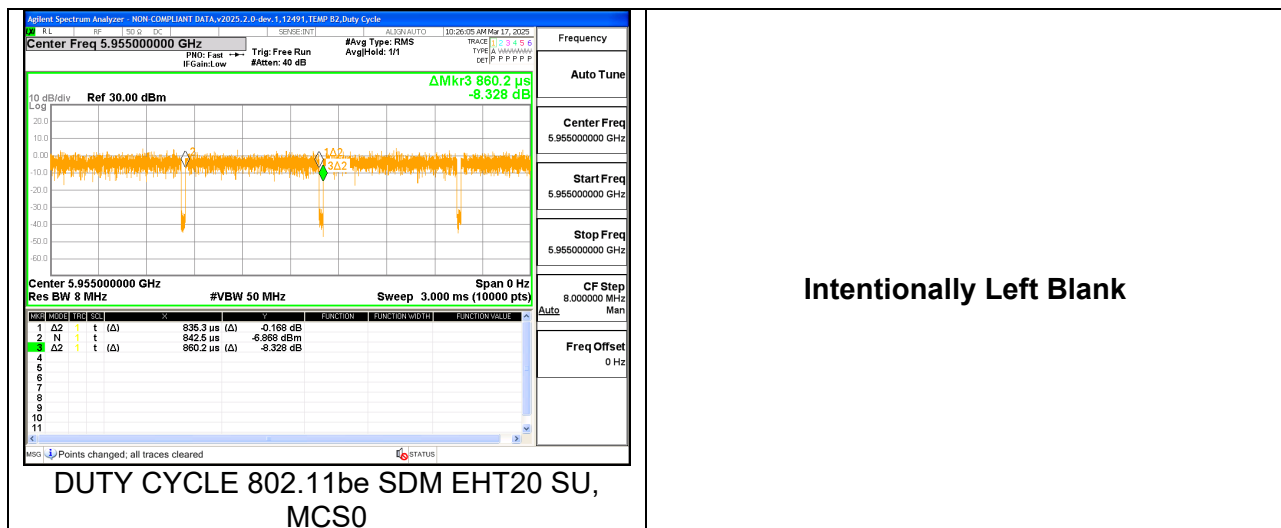
KDB 789033 Zero-Span Spectrum Analyzer Method.

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)
a-mode	--	6Mb/s	3.830	3.855	0.9935	99.35	0.00	0.010
EHT20	SU	MCS0	0.8353	0.8602	0.9711	97.11	0.13	1.197
		MCS11	0.1213	0.1471	0.8246	82.46	0.84	8.244
	26T	MCS0	2.0270	2.0670	0.9806	98.06	0.00	0.010
		MCS11	2.0280	2.0660	0.9816	98.16	0.00	0.010
	52T	MCS0	2.0270	2.0670	0.9806	98.06	0.00	0.010
		MCS11	2.0250	2.0650	0.9806	98.06	0.00	0.010
	106T	MCS0	2.0280	2.0720	0.9788	97.88	0.09	0.493
		MCS11	2.0280	2.0730	0.9783	97.83	0.10	0.493
	MRU106+26T	MCS0	2.0280	2.0730	0.9783	97.83	0.10	0.493
		MCS11	2.0280	2.0650	0.9821	98.21	0.00	0.010
	SU	MCS0	0.4566	0.4819	0.9475	94.75	0.23	2.190
		MCS11	0.1007	0.1258	0.8005	80.05	0.97	9.930
EHT40	26T	MCS0	2.0270	2.0650	0.9816	98.16	0.00	0.010
		MCS11	2.0260	2.0730	0.9773	97.73	0.10	0.494
	52T	MCS0	2.0280	2.0730	0.9783	97.83	0.10	0.493
		MCS11	2.0260	2.0650	0.9811	98.11	0.00	0.010
	106T	MCS0	2.0280	2.0650	0.9821	98.21	0.00	0.010
		MCS11	2.0280	2.0650	0.9821	98.21	0.00	0.010
	242T	MCS0	2.0270	2.0650	0.9816	98.16	0.00	0.010
		MCS11	2.0280	2.0650	0.9821	98.21	0.00	0.010
	MRU106+26T	MCS0	2.0270	2.0650	0.9816	98.16	0.00	0.010
		MCS11	2.0280	2.0650	0.9821	98.21	0.00	0.010
	SU	MCS0	0.2587	0.2843	0.9100	91.00	0.41	3.865
		MCS11	0.0907	0.1160	0.7819	78.19	1.07	11.025
EHT80	26T	MCS0	2.0250	2.0670	0.9797	97.97	0.09	0.494
		MCS11	2.0250	2.0670	0.9797	97.97	0.09	0.494
	242T	MCS0	2.0300	2.0660	0.9826	98.26	0.00	0.010
		MCS11	2.0180	2.0660	0.9768	97.68	0.10	0.496
	484T	MCS0	2.0240	2.0640	0.9806	98.06	0.00	0.010
		MCS11	2.0080	2.0720	0.9691	96.91	0.14	0.498
	MRU106+26T	MCS0	2.0300	2.0720	0.9797	97.97	0.09	0.493
		MCS11	2.0600	2.1140	0.9745	97.45	0.11	0.485
	MRU484+242T	MCS0	2.0320	2.0720	0.9807	98.07	0.00	0.010
		MCS11	2.0320	2.0720	0.9807	98.07	0.00	0.010
	SU	MCS0	0.1688	0.1942	0.8692	86.92	0.61	5.924
		MCS11	0.0824	0.1075	0.7661	76.61	1.16	12.142
EHT160	26T	MCS0	2.0240	2.0640	0.9806	98.06	0.00	0.010
		MCS11	2.0320	2.0720	0.9807	98.07	0.00	0.010
	52T	MCS0	2.0320	2.0720	0.9807	98.07	0.00	0.010
		MCS11	2.0260	2.0650	0.9811	98.11	0.00	0.010
	242T	MCS0	2.0280	2.0650	0.9821	98.21	0.00	0.010
		MCS11	2.0290	2.0650	0.9826	98.26	0.00	0.010
	484T	MCS0	2.0320	2.0640	0.9845	98.45	0.00	0.010
		MCS11	2.0240	2.0640	0.9806	98.06	0.00	0.010
	MRU484+242T	MCS0	2.0250	2.0650	0.9806	98.06	0.00	0.010
		MCS11	2.0300	2.0650	0.9831	98.31	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	0.8353	0.8602	0.9711	97.11	0.13	1.197
	26T	MCS0	2.0250	2.0650	0.9806	98.06	0.00	0.010
	52T	MCS0	2.0250	2.0750	0.9759	97.59	0.11	0.494
	106T	MCS0	2.0250	2.0700	0.9783	97.83	0.10	0.494
	MRU106+26T	MCS0	2.0300	2.0650	0.9831	98.31	0.00	0.010
EHT40 SDM	SU	MCS0	0.4562	0.4815	0.9475	94.75	0.23	2.192
	26T	MCS0	2.0300	2.0700	0.9807	98.07	0.00	0.010
	52T	MCS0	2.0200	2.0650	0.9782	97.82	0.10	0.495
	106T	MCS0	2.0250	2.0700	0.9783	97.83	0.10	0.494
	242T	MCS0	2.0250	2.0650	0.9806	98.06	0.00	0.010
	MRU106+26T	MCS0	2.0200	2.0650	0.9782	97.82	0.10	0.495
EHT80 SDM	SU	MCS0	0.2588	0.2841	0.9109	91.09	0.41	3.864
	26T	MCS0	2.0250	2.0750	0.9759	97.59	0.11	0.494
	242T	MCS0	2.0300	2.0650	0.9831	98.31	0.00	0.010
	484T	MCS0	2.0250	2.0750	0.9759	97.59	0.11	0.494
	MRU106+26T	MCS0	2.0300	2.0650	0.9831	98.31	0.00	0.010
	MRU484+242T	MCS0	2.0250	2.0650	0.9806	98.06	0.00	0.010
EHT160 SDM	SU	MCS0	0.1689	0.1939	0.8711	87.11	0.60	5.921
	26T	MCS0	2.0250	2.0700	0.9783	97.83	0.10	0.494
	52T	MCS0	2.0300	2.0650	0.9831	98.31	0.00	0.010
	242T	MCS0	2.0250	2.0650	0.9806	98.06	0.00	0.010
	MRU484+242T	MCS0	2.0300	2.0650	0.9831	98.31	0.00	0.010

Note: The same DCCF is used for both 1TX and 2TX.



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	MRU106+26T: 300kHz/910kHz 52T: 300kHz/910kHz 106T: 300kHz/910kHz	52T: 510kHz/1.6MHz 106T: 510kHz/1.6MHz 242T: 510kHz/1.6MHz	484T: 820kHz/2.7MHz MRU484+242T: 1MHz/3MHz	52T: 510kHz/1.6MHz 484T: 820kHz/2.7MHz MRU484+242T: 1MHz/3MHz
	SU	300kHz/910kHz	510kHz/1.6MHz	1MHz/3MHz	2MHz/6MHz

*Different RBW/VBW due to different partial tones.

RESULTS

ID:	19336 JP	Date:	2025-02-19 to 2025-07-21
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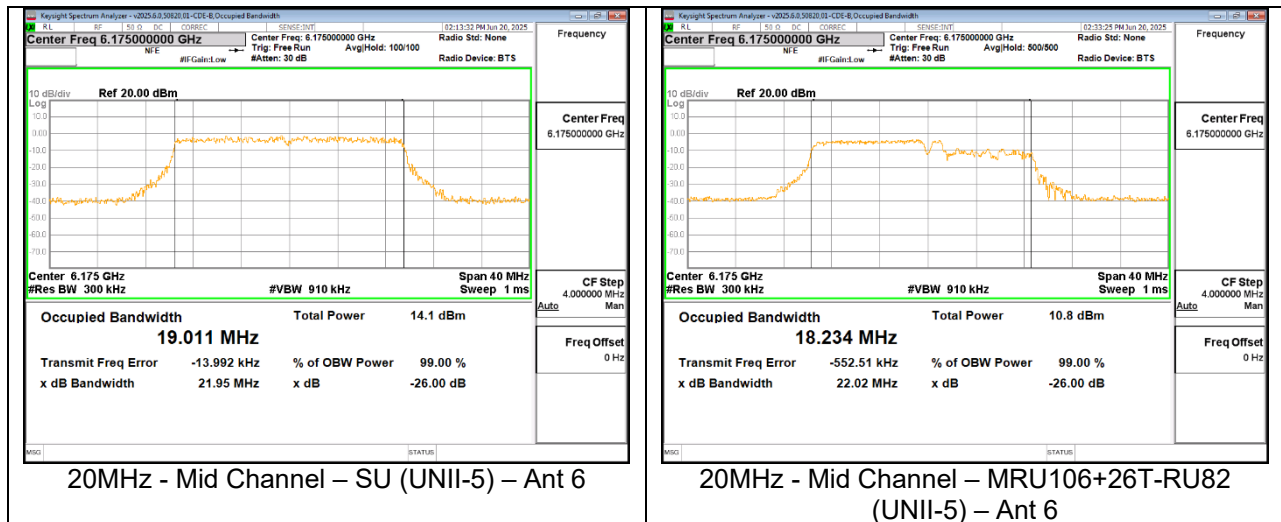
For mask and bandwidth measurements partial RU allocations are tested with the RUs allocated at the lower and upper positions within the channel for the low, mid and high channels in each band. Additionally, the mid channel is also tested with the RU allocated in the center of the channel to verify that the low / high RU allocations are worst case.

Plots included in the report are representative of the method and settings parameters used for the test.

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

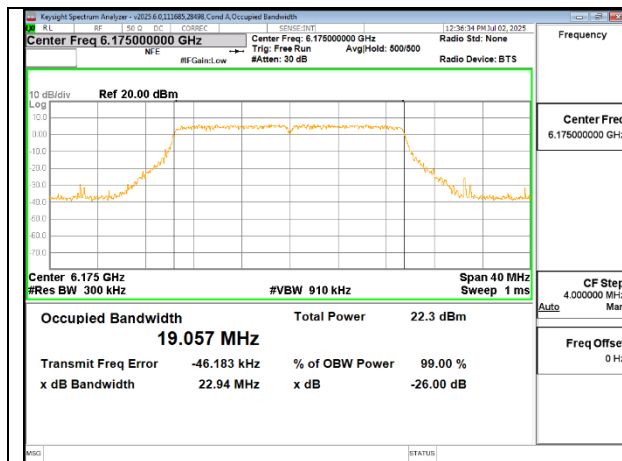
9.2.1. 802.11be SISO MODE IN THE UNII-5 BAND

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	--	23.02	22.96	19.053	19.078
			MRU106+26T	82	22.03	22.03	18.244	18.213
				83	20.80	20.98	18.251	18.075
	6175	45	SU	--	21.95	23.04	19.011	19.067
			MRU106+26T	82	22.02	21.93	18.234	18.173
				83	21.34	20.95	18.144	18.087
	6415	93	SU	--	22.63	22.64	19.015	19.043
			MRU106+26T	82	21.88	21.94	18.233	18.238
				83	21.53	21.30	18.084	18.017
40 MHz	5965	3	SU	--	44.54	44.33	38.047	38.022
			106T	53	22.60	21.91	18.501	18.095
				--	--	--	--	--
				56	21.26	20.87	18.488	18.070
	6165	43	SU	--	44.10	45.14	38.037	38.011
			106T	53	21.21	21.84	18.271	18.055
				54	21.27	21.57	18.874	18.657
				56	21.30	21.04	18.248	18.096
	6405	91	SU	--	43.78	44.16	37.981	38.027
			106T	53	21.62	21.98	18.264	18.069
				--	--	--	--	--
				56	21.26	21.16	18.428	17.946
	5985	7	SU	--	77.53	82.50	77.529	77.488
			484T	65	44.22	44.93	38.120	38.367
				66	44.08	45.15	38.126	38.459
			SU	--	84.44	82.55	77.530	77.531
80MHz	6145	39	484T	65	45.84	45.11	38.487	38.304
				66	43.97	44.60	38.357	38.410
			SU	--	82.10	82.39	77.497	77.520
	6385	87	484T	65	43.87	45.57	38.177	38.359
				66	43.72	45.66	38.082	38.322
			SU	--	165.80	164.30	156.720	156.500
	6025	15	52T	37	21.42	21.48	18.396	18.406
				--	--	--	--	--
				S52	21.11	21.23	18.367	18.699
			SU	--	163.90	164.90	156.420	156.630
160MHz	6185	47	52T	37	22.49	21.87	18.813	18.628
				52	21.57	20.85	18.780	18.390
				S52	21.22	20.77	18.610	18.568
			SU	--	166.30	164.70	156.640	156.600
	6345	79	52T	37	20.87	21.38	18.432	18.632
				--	--	--	--	--
				S52	21.480	20.830	18.43	18.63
			SU	--	--	--	--	--

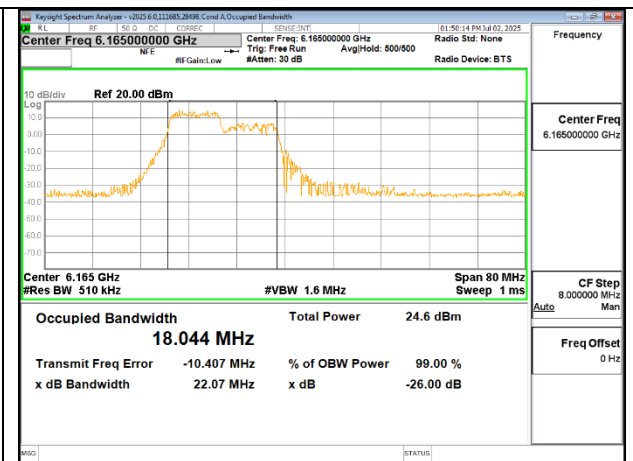


9.2.2. 802.11be MIMO CDD MODE IN THE UNII-5 BAND

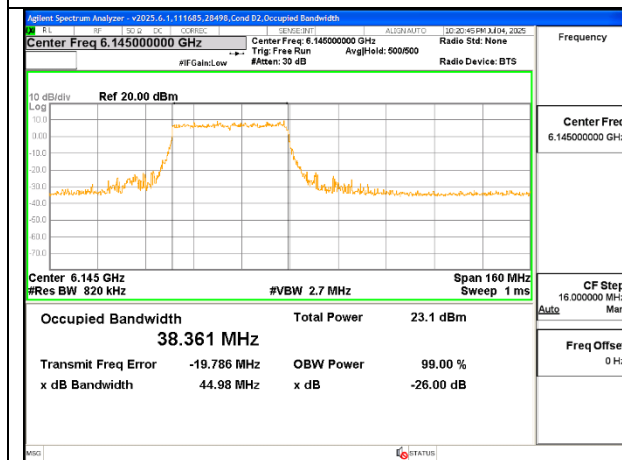
UNII-5 (MIMO CDD)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					Ant 6	Ant 5	Ant 6	Ant 5
20 MHz	5955	1	SU	--	22.66	22.43	19.057	19.112
			MRU106+26T	82	21.92	20.64	18.231	18.064
				83	21.12	20.55	18.114	18.012
	6175	45	SU	--	22.94	22.56	19.057	19.078
			MRU106+26T	82	22.05	20.54	18.210	18.040
				83	21.25	20.48	18.034	18.114
	6415	93	SU	--	22.77	22.29	19.061	19.016
			MRU106+26T	82	22.19	20.72	18.193	18.063
				83	21.15	20.49	18.128	18.161
40 MHz	5965	3	SU	--	44.38	43.78	38.015	37.992
				53	22.21	21.42	17.879	18.004
			106T	--	--	--	--	--
	6165	43		56	21.30	20.91	18.041	17.921
			SU	--	43.83	44.15	38.032	38.020
				53	22.07	21.38	18.044	17.973
			106T		54	21.30	18.715	18.557
				56	20.87	20.70	18.015	18.012
	6405	91	SU	--	43.82	43.02	37.931	37.982
				53	21.90	21.12	18.005	17.973
			106T	--	--	--	--	--
				56	21.24	20.54	18.063	18.005
80MHz	5985	7	SU	--	82.71	81.82	77.536	77.386
			484T	65	44.50	44.08	38.396	38.380
				66	45.74	44.88	38.334	38.359
	6145	39	SU	--	82.22	82.00	77.448	77.621
			484T	65	44.98	44.51	38.361	37.375
				66	44.46	44.92	38.457	38.281
	6385	87	SU	--	82.44	82.57	77.515	77.508
			484T	65	44.89	44.91	38.404	38.414
				66	44.55	44.06	38.425	38.473
160MHz	6025	15	SU	--	167.20	166.20	156.660	156.690
				37	21.44	21.19	18.573	18.414
			52T	--	--	--	--	--
	6185	47		S52	20.93	20.43	18.383	18.378
			SU	--	166.50	165.80	156.750	156.740
				37	21.13	20.70	18.549	18.330
			52T		52	21.15	18.333	18.183
				S52	20.58	20.58	18.485	18.471
	6345	79	SU	--	169.10	165.10	156.770	156.960
				37	21.69	20.96	18.410	18.269
			52T	--	--	--	--	--
				S52	20.75	20.51	18.686	18.320



20MHz - Mid Channel – SU (UNII-5) – Ant 6



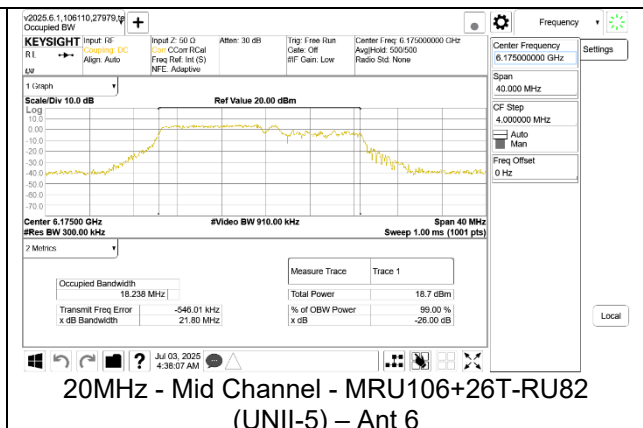
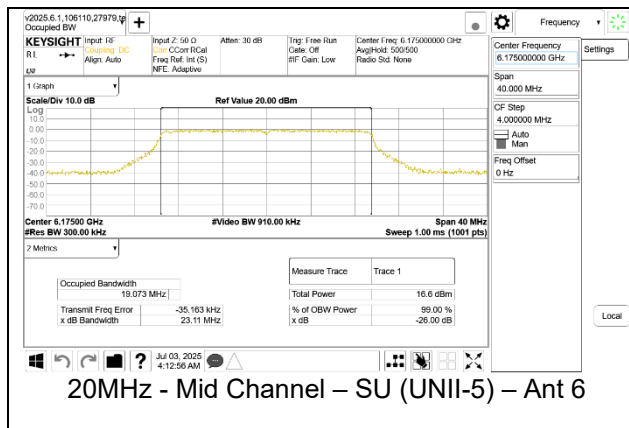
40MHz - Mid Channel - 106-RU53 (UNII-5) – Ant 6



80MHz - Mid Channel - 484-RU65 (UNII-5) – Ant 6

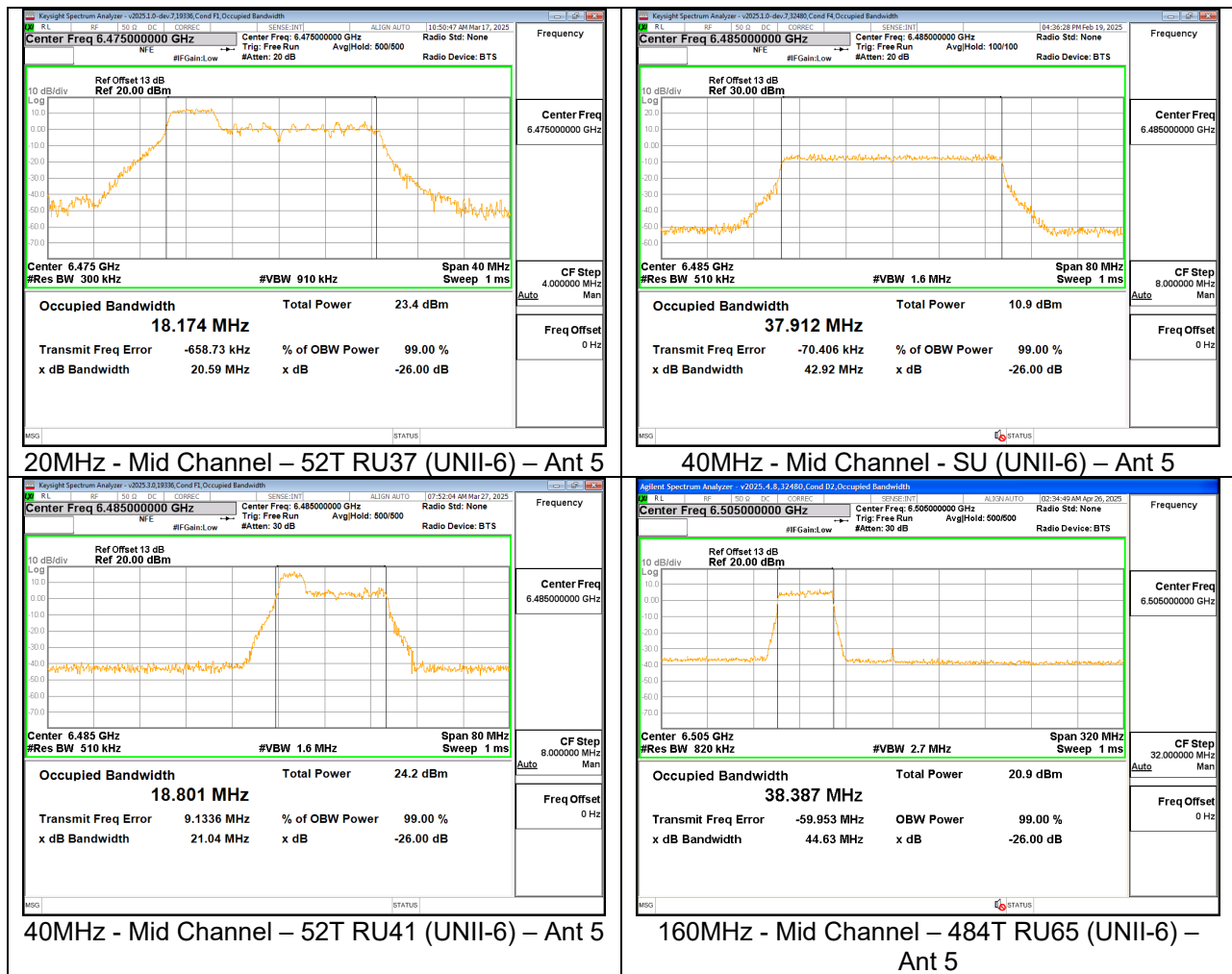
9.2.3. 802.11be MIMO SDM MODE IN THE UNII-5 BAND

UNII-5 (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	5955	1	SU	--	22.68	22.46	19.063	19.037
			MRU106+26T	82	22.13	21.14	18.177	18.105
				83	21.42	20.39	18.008	18.019
	6175	45	SU	--	23.11	22.23	19.073	19.011
			MRU106+26T	82	21.80	20.96	18.238	18.109
				83	21.07	20.42	18.009	18.114
	6415	93	SU	--	23.13	22.34	19.069	19.018
			MRU106+26T	82	22.07	20.98	18.248	18.162
				83	21.29	20.22	18.161	17.986
40 MHz	5965	3	SU	--	44.43	43.53	38.104	38.057
			106T	53	22.05	20.91	18.077	17.966
				--	--	--	--	--
				56	21.53	20.60	18.051	17.995
				--	--	--	--	--
	6165	43	SU	--	44.37	43.18	38.006	37.936
			106T	53	21.77	21.01	17.994	17.907
				54	21.63	20.96	18.475	18.649
				56	20.97	20.40	17.856	17.977
				--	--	--	--	--
	6405	91	SU	--	44.08	43.63	38.039	37.964
			106T	53	22.14	21.20	18.111	18.022
				--	--	--	--	--
				56	21.26	20.64	18.079	17.950
				--	--	--	--	--
80MHz	5985	7	SU	--	82.34	82.08	77.518	77.594
			484T	65	45.59	45.09	38.516	38.551
				66	45.13	44.39	38.717	38.437
	6145	39	SU	--	82.05	82.06	77.486	77.518
			484T	65	45.89	44.20	38.527	38.446
				66	45.46	45.54	38.744	38.436
	6385	87	SU	--	82.21	82.20	77.560	77.576
			484T	65	45.61	45.54	38.624	38.502
				66	45.09	44.08	38.574	38.487
160MHz	6025	15	SU	--	166.80	164.60	156.740	156.610
			52T	37	21.35	20.87	18.415	18.457
				--	--	--	--	--
				S52	20.88	20.74	18.603	18.279
				--	--	--	--	--
	6185	47	SU	--	167.40	165.40	156.720	156.650
			52T	37	21.66	21.07	18.316	18.488
				52	20.98	21.30	18.559	18.479
				S52	20.69	20.75	18.469	18.152
				--	--	--	--	--
	6345	79	SU	--	167.90	166.00	156.890	156.870
			52T	37	21.71	20.76	18.596	18.558
				--	--	--	--	--
				S52	20.72	20.72	18.575	18.276
				--	--	--	--	--



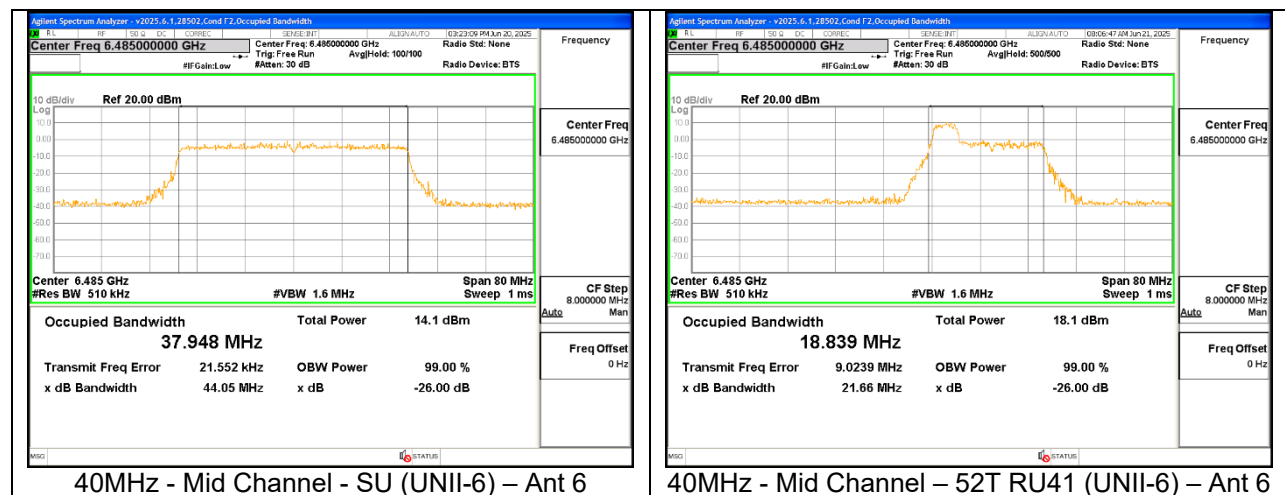
9.2.4. 802.11be SISO MODE IN THE UNII-6 BAND

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
20MHz	6435	97	SU	--	22.31	21.76	19.036	19.013
			52T	37	21.19	20.48	18.288	18.204
				--	--	--	--	--
				40	20.43	20.60	18.277	18.289
	6475	105	SU	--	22.53	22.07	19.001	18.984
			52T	37	20.94	20.59	18.281	18.174
				38	18.76	18.50	16.956	16.828
				40	20.18	20.30	18.289	17.971
	6515	113	SU	--	22.10	21.95	19.035	19.000
			52T	37	21.12	20.47	18.345	18.207
				--	--	--	--	--
				40	20.43	20.37	18.277	18.175
40MHz	6445	99	SU	--	42.70	43.23	37.930	37.943
			52T	37	21.11	20.78	18.258	18.104
				--	--	--	--	--
				44	21.28	20.38	18.373	18.131
	6485	107	SU	--	43.41	42.92	37.871	37.912
			52T	37	21.32	20.76	18.346	18.106
				41	21.74	21.04	18.945	18.801
				44	21.93	20.38	18.377	18.131
	6525 (Straddle)	115	SU	--	43.41	42.67	37.997	37.953
			52T	37	21.03	21.14	18.287	18.135
				--	--	--	--	--
				44	20.73	20.92	18.235	18.176
80MHz	6465	103	SU	--	82.10	84.38	77.466	77.513
			484T	65	45.44	44.21	38.334	38.375
				66	45.39	44.38	38.501	38.280
160MHz	6505 (Straddle)	111	SU	--	166.50	164.20	156.560	156.520
			484T	65	45.38	44.63	38.832	38.387
				S66	44.79	44.78	38.813	38.504



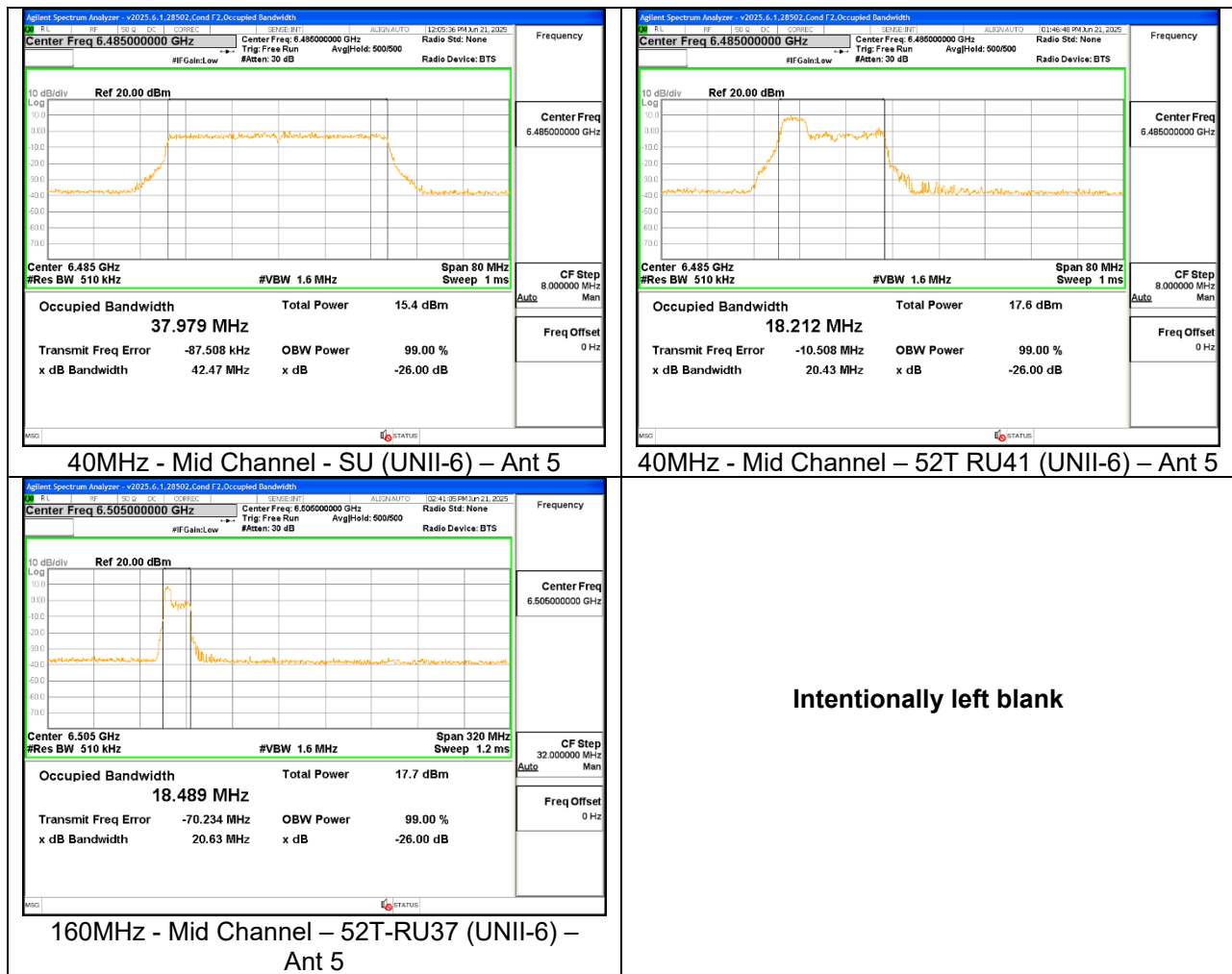
9.2.5. 802.11be MIMO CDD MODE IN THE UNII-6 BAND

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
20MHz	6435	97	SU	--	22.60	21.90	19.007	18.999
			52T	37	21.02	20.35	18.309	18.255
				--	--	--	--	--
				40	20.64	20.63	18.124	18.120
	6475	105	SU	--	22.61	21.81	19.005	18.992
			52T	37	20.71	20.63	18.273	18.213
				38	18.81	18.18	17.016	16.819
				40	20.42	20.40	18.166	18.209
	6515	113	SU	--	22.61	22.50	19.058	19.068
			52T	37	21.54	20.39	18.363	18.230
				--	--	--	--	--
				40	20.53	20.35	18.298	18.258
40MHz	6445	99	SU	--	43.30	43.99	37.963	37.998
			52T	37	21.00	21.03	18.309	18.164
				--	--	--	--	--
				44	21.39	20.67	18.466	18.152
	6485	107	SU	--	44.05	42.99	37.948	37.963
			52T	37	21.49	20.42	18.432	18.227
				41	21.66	21.36	18.839	18.749
				44	20.84	20.38	18.247	18.270
	6525 (Straddle)	115	SU	--	43.89	42.75	37.960	37.922
			52T	37	21.27	21.03	18.350	18.088
				--	--	--	--	--
				44	21.02	20.49	18.347	18.295
80MHz	6465	103	SU	--	82.46	82.05	77.459	77.507
			484T	65	44.79	44.28	38.473	38.369
				66	45.47	44.28	38.445	38.385
160MHz	6505 (Straddle)	111	SU	--	168.00	164.30	156.850	156.870
			52T	37	21.75	21.01	18.609	18.355
				52	20.91	20.82	18.531	18.020
				S52	20.87	20.48	18.597	18.394



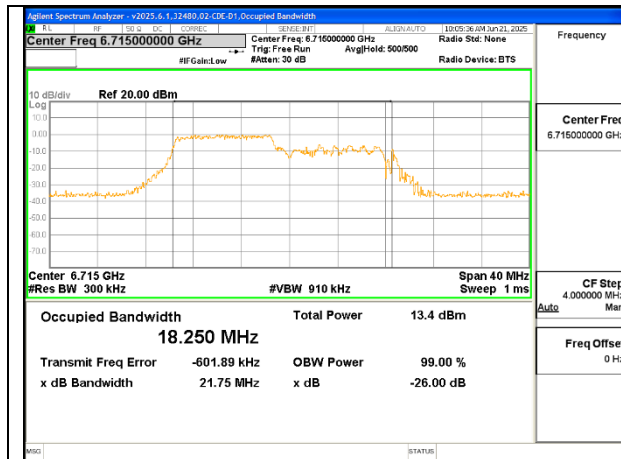
9.2.6. 802.11be MIMO SDM MODE IN THE UNII-6 BAND

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
20MHz	6435	97	SU	--	22.65	22.82	19.036	19.021
			52T	37	21.07	20.63	18.352	18.231
				--	--	--	--	--
				40	20.69	20.16	18.314	18.233
	6475	105	SU	--	22.98	22.29	19.066	19.037
			52T	37	21.09	20.50	18.384	18.217
				38	18.80	18.29	16.903	16.885
				40	20.38	20.32	18.336	18.243
	6515	113	SU	--	23.42	22.05	19.016	19.026
			52T	37	20.75	20.68	18.394	18.22
				--	--	--	--	--
				40	21.25	20.50	18.308	18.227
40MHz	6445	99	SU	--	44.41	44.03	38.047	37.964
			52T	37	20.45	20.72	18.231	18.162
				--	--	--	--	--
				44	20.42	20.93	18.242	18.276
	6485	107	SU	--	43.99	42.47	38.017	37.979
			52T	37	21.18	20.43	18.247	18.212
				41	21.32	21.26	18.847	18.743
				44	20.56	20.54	18.338	17.866
	6525 (Straddle)	115	SU	--	44.41	42.91	38.008	37.995
			52T	37	21.43	20.83	18.326	18.252
				--	--	--	--	--
				44	21.18	20.56	18.249	18.271
80MHz	6465	103	SU	--	82.36	82.00	77.739	77.543
			484T	65	43.75	43.46	38.239	38.114
				66	44.67	43.79	38.143	38.154
160MHz	6505 (Straddle)	111	SU	--	169.60	165.30	156.930	156.790
			52T	37	21.23	20.63	18.704	18.489
				52	20.74	21.11	18.451	18.418
				S52	21.06	20.94	18.566	18.588

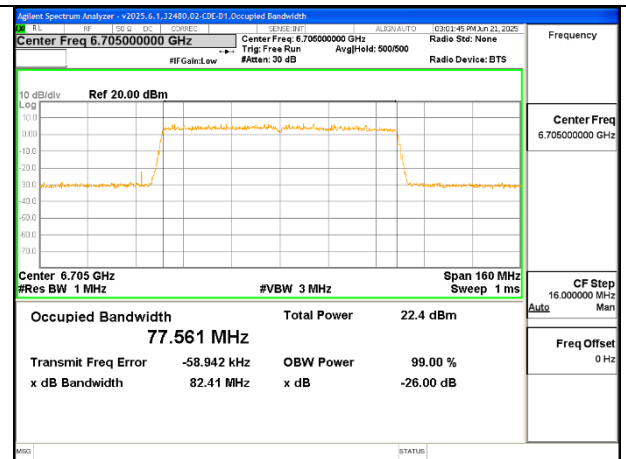


9.2.7. 802.11be SISO MODE IN THE UNII-7 BAND

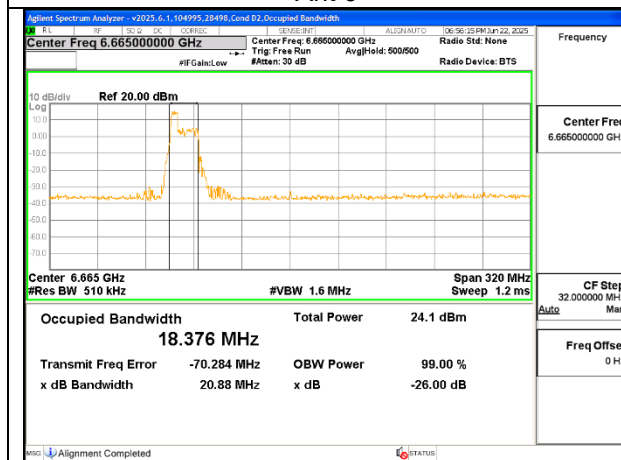
UNII-7 (SISO)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					Ant 6	Ant 5	Ant 6	Ant 5
20MHz	6535	117	SU	--	23.20	22.35	19.098	19.011
			106T	53	21.93	20.92	18.28	18.176
				54	21.11	20.35	18.273	18.08
	6715	153	SU	--	22.61	21.97	19.053	18.977
			106T	53	21.75	21.18	18.25	18.139
				54	21.11	20.50	18.228	18.022
	6875 (Straddle)	185	SU	--	23.20	21.91	19.062	19.019
			106T	53	21.87	20.54	18.201	18.146
				54	21.06	20.63	18.271	18.096
40MHz	6565	123	SU	--	44.35	42.92	38.108	37.934
			242T	61	24.06	22.99	19.251	19.09
				62	23.05	22.92	19.252	19.031
	6685	147	SU	--	44.22	42.73	38.009	37.875
			242T	61	23.83	23.18	19.293	19.077
				62	23.04	23.18	19.19	19.067
	6845	179	SU	--	44.51	43.20	38.176	37.857
			242T	61	23.39	22.96	19.361	19.105
				62	23.48	22.77	19.302	18.97
80MHz	6545 (Straddle)	119	SU	--	82.49	83.54	77.643	77.573
			484T	65	45.27	44.37	38.802	38.376
				66	44.37	44.61	39.118	38.244
	6705	151	SU	--	82.41	83.27	77.561	77.399
			484T	65	45.18	44.24	38.895	38.208
				66	44.96	44.22	38.776	38.243
	6865 (Straddle)	183	SU	--	82.70	83.35	77.789	77.618
			484T	65	45.68	45.33	39.534	38.315
				66	45.39	44.31	38.944	38.268
160MHz	6665	143	SU	--	164.80	163.40	156.61	156.22
			52T	37	20.88	21.47	18.376	18.495
				52	21.34	20.85	18.519	18.368
				S52	21.33	21.03	18.547	18.636
	6825 (Straddle)	175	SU	--	164.70	164.30	156.69	156.37
			52T	37	21.76	21.08	18.566	18.529
				52	21.20	20.51	18.306	18.286
				S52	21.60	20.63	18.46	18.658



20MHz - Mid Channel – 106T-RU53 (UNII-7) – Ant 6



80MHz - Mid Channel - SU (UNII-7) – Ant 6

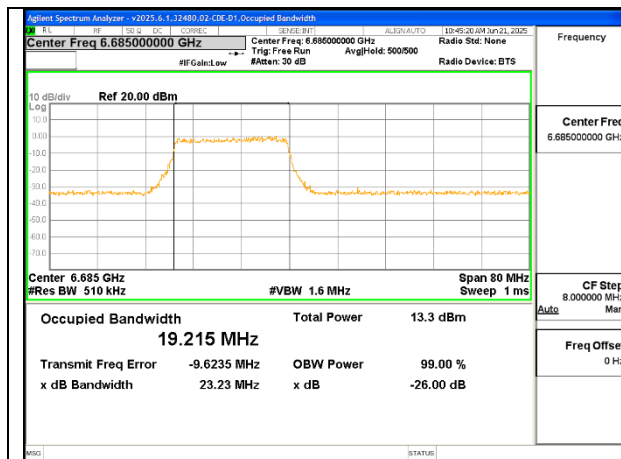


160MHz - Mid Channel – 52T-RU37 (UNII-7) – Ant 6

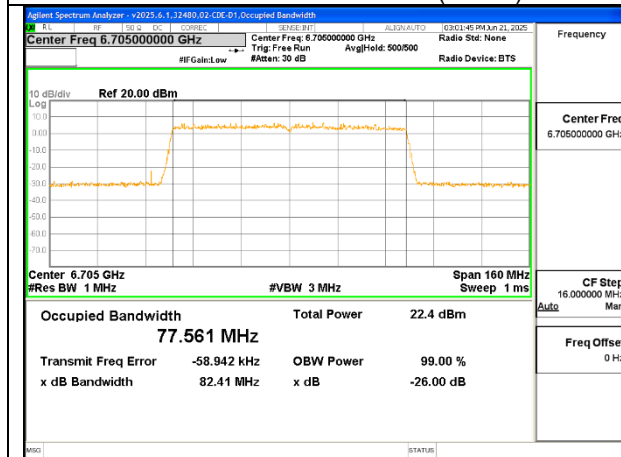
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9.2.8. 802.11be MIMO CDD MODE IN THE UNII-7 BAND

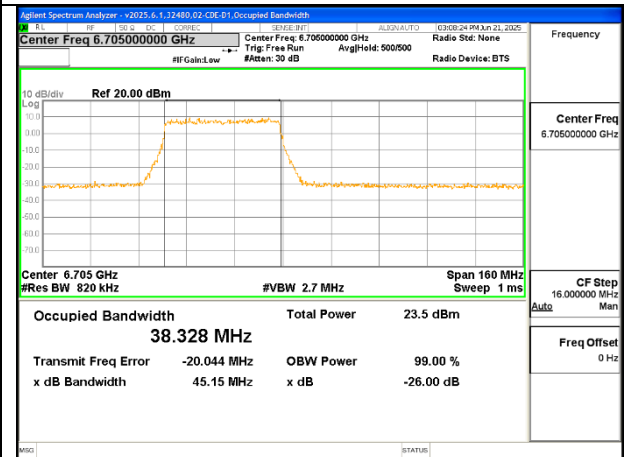
UNII-7 (MIMO CDD)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					Ant 6	Ant 5	Ant 6	Ant 5
20MHz	6535	117	SU	--	22.83	22.92	19.090	19.065
			106T	53	21.43	20.97	18.245	18.100
				54	21.21	20.46	18.109	18.092
	6715	153	SU	--	23.03	23.63	19.101	19.067
			106T	53	21.75	21.01	18.250	18.115
				54	21.29	20.42	18.122	18.247
	6875 (Straddle)	185	SU	--	23.20	22.71	19.071	19.103
			106T	53	21.73	20.80	18.261	18.109
				54	20.95	20.54	18.187	18.103
40MHz	6565	123	SU	--	44.64	44.25	38.160	38.155
			242T	61	23.77	23.17	19.294	19.230
				62	23.37	23.03	19.252	19.177
	6685	147	SU	--	44.25	44.32	38.176	38.138
			242T	61	23.23	23.40	19.215	19.009
				62	23.35	23.05	19.246	19.232
	6845	179	SU	--	44.91	48.32	38.161	38.166
			242T	61	23.38	23.07	19.309	19.230
				62	23.37	23.39	19.366	19.203
80MHz	6545 (Straddle)	119	SU	--	81.83	82.05	77.471	77.428
			484T	65	45.57	44.34	38.393	38.245
				66	45.23	43.57	38.288	38.288
	6705	151	SU	--	82.41	83.93	77.561	77.353
			484T	65	45.15	44.15	38.328	38.194
				66	44.83	44.41	38.400	38.351
	6865 (Straddle)	183	SU	--	82.23	81.90	77.669	77.526
			484T	65	44.46	44.23	38.428	38.354
				66	44.67	44.64	38.401	38.350
160MHz	6665	143	SU	--	165.30	164.30	156.590	156.620
			52T	37	21.37	21.16	18.547	18.237
				52	20.86	21.19	18.109	18.349
				S52	20.94	20.64	18.363	18.403
	6825(Straddle)	175	SU	--	166.10	168.80	156.750	156.650
			52T	37	21.73	21.14	18.564	18.293
				52	20.57	19.82	18.213	17.896
				S52	21.02	20.68	18.563	18.297



40MHz - Mid Channel – 242T-RU61 (UNII-7) – Ant 6



80MHz - Mid Channel - SU (UNII-7) – Ant 6

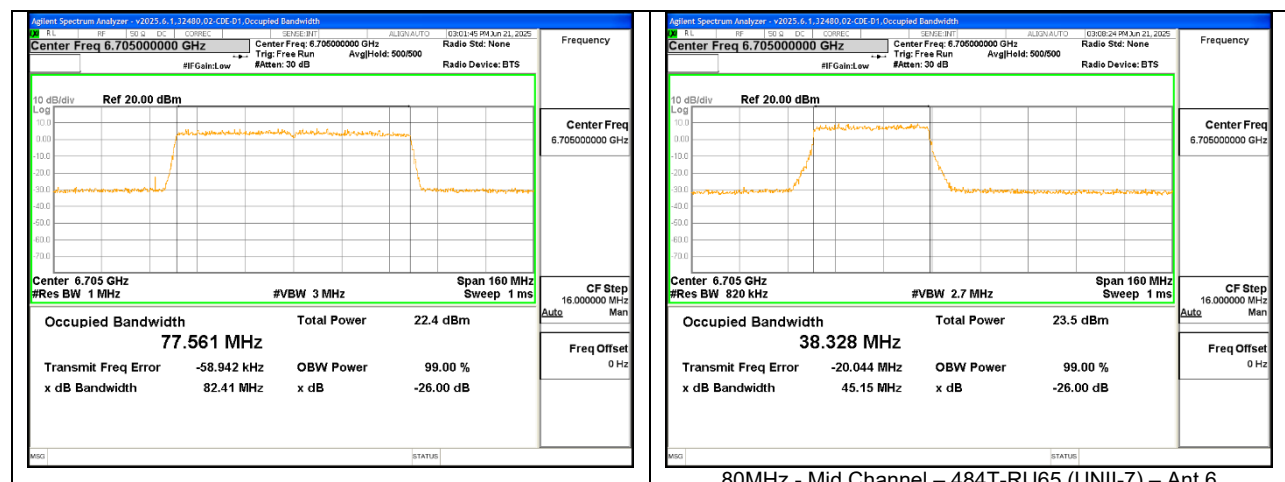


80MHz - Mid Channel – 484T-RU65 (UNII-7) – Ant 6

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

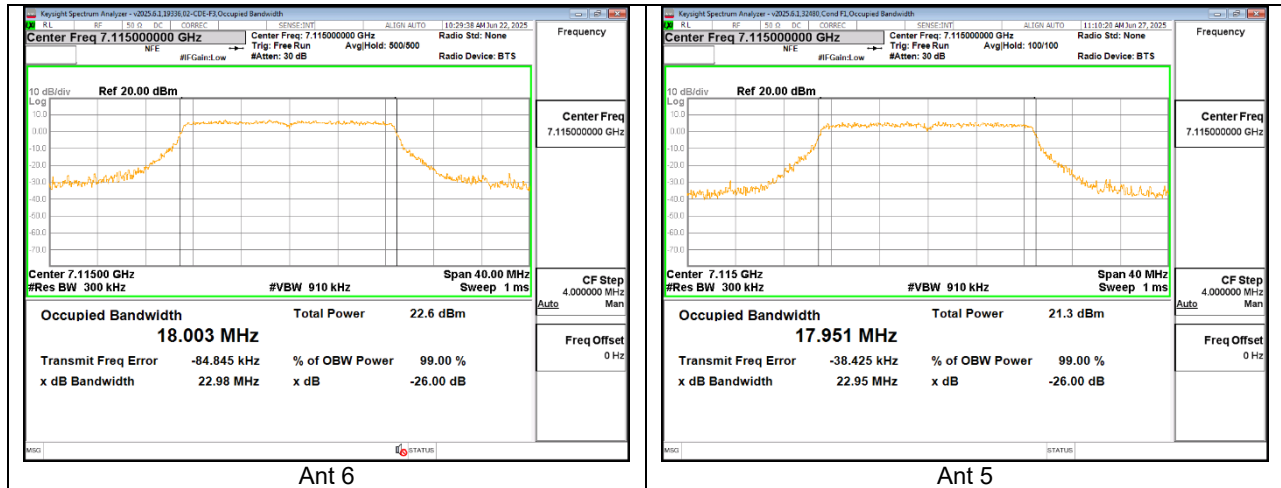
UNII-7 (MIMO SDM)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					Ant 6	Ant 5	Ant 6	Ant 5
20MHz	6535	117	SU	--	22.83	22.92	19.090	19.065
			106T	53	21.43	20.97	18.245	18.100
				54	21.21	20.46	18.109	18.092
	6715	153	SU	--	23.03	23.63	19.101	19.067
			106T	53	21.75	20.01	18.250	18.115
				54	21.29	20.42	18.122	18.247
	6875 (Straddle)	185	SU	--	23.20	22.71	19.071	19.103
			106T	53	21.73	20.80	18.261	18.109
				54	20.95	20.54	18.187	18.103
40MHz	6565	123	SU	--	44.64	44.25	38.160	38.155
			242T	61	23.77	23.17	19.294	19.230
				62	23.37	23.03	19.252	19.177
	6685	147	SU	--	44.25	44.32	38.176	38.138
			242T	61	23.23	23.35	19.215	19.181
				62	23.35	23.05	19.246	19.232
	6845	179	SU	--	44.91	44.32	38.161	38.166
			242T	61	23.38	23.07	19.309	19.230
				62	23.37	23.39	19.366	19.203
80MHz	6545 (Straddle)	119	SU	--	81.83	82.05	77.471	77.428
			484T	65	45.57	44.34	38.393	38.245
				66	45.23	43.57	38.288	38.288
	6705	151	SU	--	82.41	82.01	77.561	77.667
			484T	65	45.15	45.08	38.328	38.377
				66	44.83	44.41	38.400	38.351
	6865 (Straddle)	183	SU	--	82.23	81.90	77.669	77.526
			484T	65	44.46	44.23	38.428	38.354
				66	44.67	44.64	38.401	38.350
160MHz	6665	143	SU	--	165.30	164.30	156.590	156.620
			52T	37	21.37	21.16	18.547	18.237
				52	20.86	21.19	18.109	18.349
	6825(Straddle)	175	SU	--	166.10	168.80	156.750	156.650
			52T	37	21.73	21.14	18.564	18.293
				52	20.57	19.82	18.213	17.896
				552	21.02	20.68	18.563	18.297



80MHz - Mid Channel - SU (UNII-7) – Ant 6

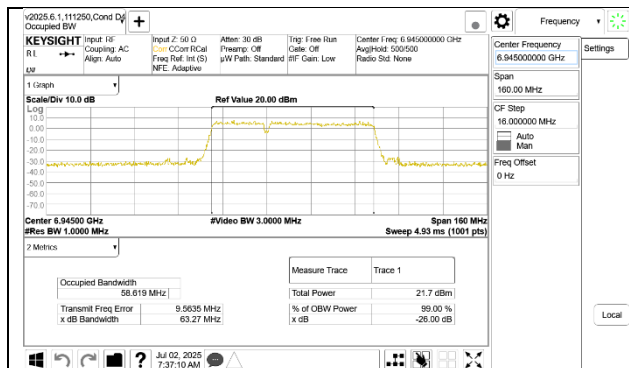
9.2.10. 802.11a SISO MODE IN THE UNII-8 BAND

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
20MHz	7115	233	--	--	22.98	22.95	18.003	17.951

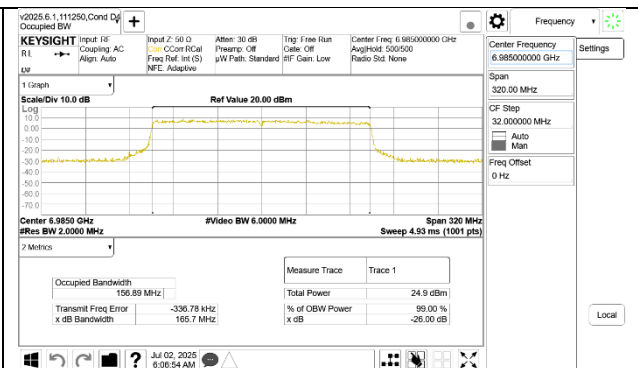


9.2.11. 802.11be SISO MODE IN THE UNII-8 BAND

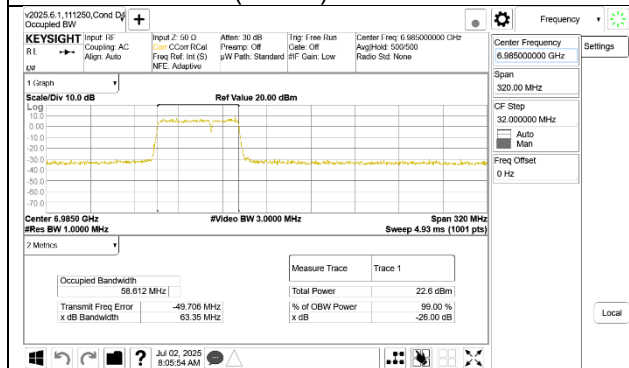
UNII-8 (SISO)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					Ant 6	Ant 5	Ant 6	Ant 5
20MHz	6895	189	SU	--	23.50	22.62	19.060	19.048
			106T	53	21.46	21.62	18.200	18.298
				54	21.11	21.08	18.195	18.176
	6995	209	SU	--	23.02	22.93	19.060	19.011
			106T	53	21.50	21.21	18.229	18.212
				54	21.29	21.08	18.040	18.225
	7095	229	SU	--	22.92	23.54	19.093	19.077
			106T	53	21.67	21.44	18.212	18.260
				54	21.18	21.02	18.193	18.140
40MHz	6885 (Straddle)	187	SU	--	44.06	43.41	37.996	38.000
			106T	53	22.03	21.83	18.041	17.975
				--	--	--	--	--
				56	20.60	21.22	17.690	18.075
	6965	203	SU	--	43.67	44.13	38.027	38.062
			106T	53	21.43	21.61	18.082	18.058
				54	21.63	21.52	18.605	18.593
				56	21.33	21.29	18.040	18.072
	7085	227	SU	--	43.93	43.74	37.986	38.072
			106T	53	21.90	22.11	18.131	18.055
				--	--	--	--	--
				56	20.75	21.24	17.889	18.055
80MHz	6945	199	SU	--	82.35	82.56	77.508	77.439
			MRU484+242T	90	62.74	63.27	58.423	58.619
				92	81.77	84.48	77.760	77.979
				93	62.44	63.34	58.519	58.730
	7025	215	SU	--	82.50	82.29	77.441	77.512
			MRU484+242T	90	62.59	62.93	58.386	58.639
				92	81.49	82.53	77.781	77.879
				93	62.30	63.14	58.520	58.494
160MHz	6985	207	SU	--	164.80	165.70	156.470	156.890
			MRU484+242T	90	62.49	63.24	58.537	58.713
				93	62.61	63.35	58.671	58.612
				S93	62.76	63.06	58.614	58.707



80MHz - Low Channel - MRU484+242T-RU90
(UNII-8) – Ant 5



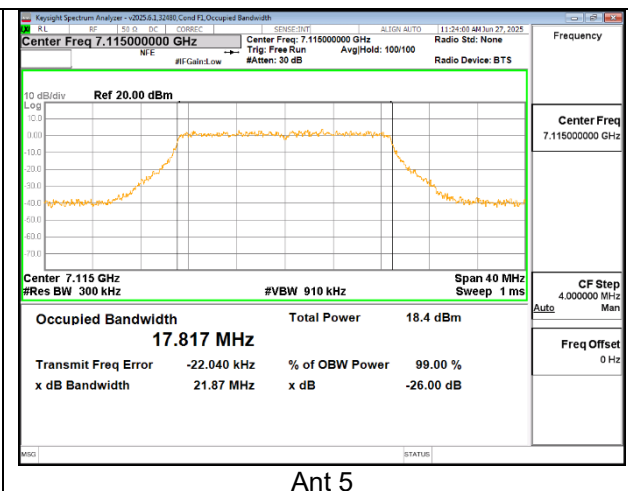
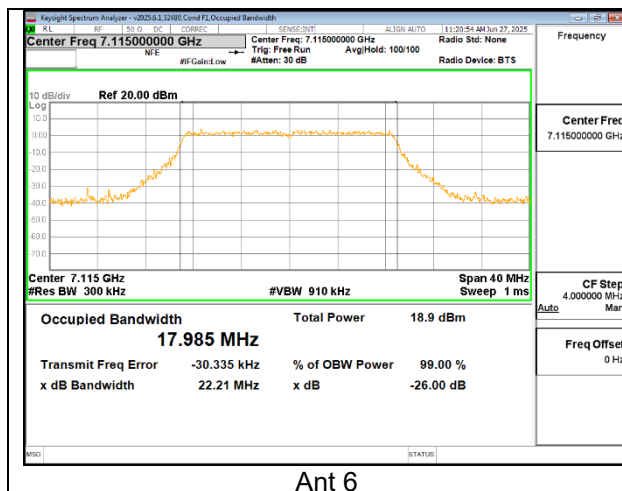
160MHz - Mid Channel - SU
(UNII-8) – Ant 5



160MHz - Mid Channel – MRU484+242T-RU93
(UNII-8) – Ant 5

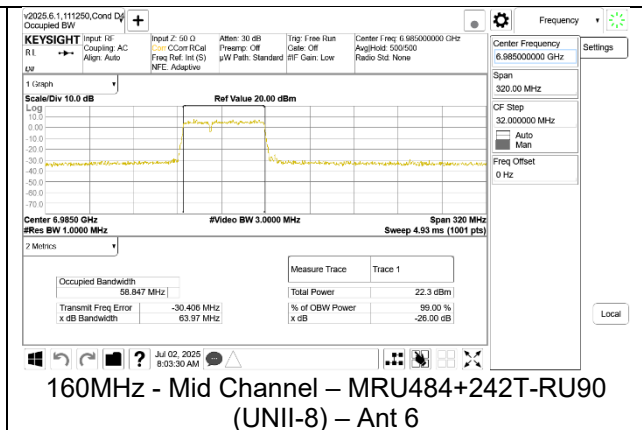
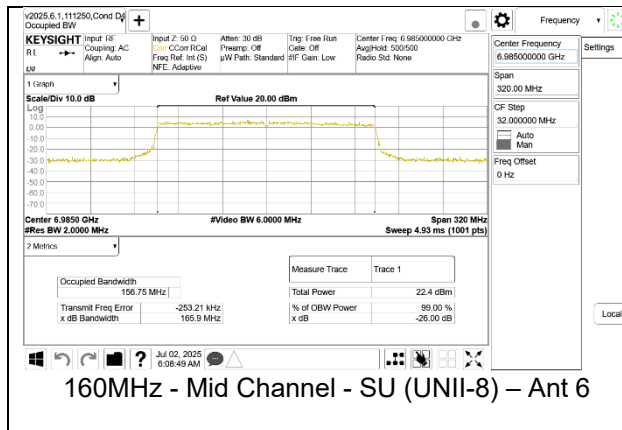
9.2.12. 802.11a MIMO MODE IN THE UNII-8 BAND

UNII-8 (MIMO)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					Ant 6	Ant 5	Ant 6	Ant 5
20MHz	7115	233	--	--	22.21	21.87	17.985	17.817



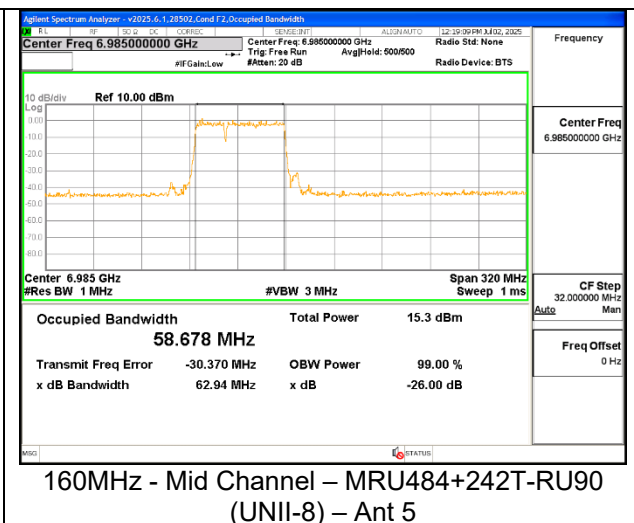
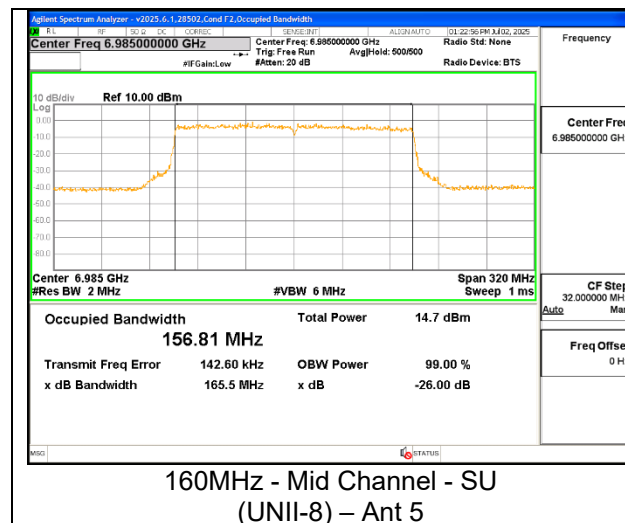
9.2.13. 802.11be MIMO CDD MODE IN THE UNII-8 BAND

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	
20MHz	6895	189	SU	--	22.76	22.53	19.028	19.011	
			106T	53	21.93	20.60	18.286	18.125	
				54	21.20	20.35	18.133	18.113	
	6995	209	SU	--	23.43	22.73	19.061	19.073	
			106T	53	21.57	20.67	18.186	18.128	
				54	20.75	20.49	18.177	17.933	
	7095	229	SU	--	23.24	22.40	19.057	19.068	
			106T	53	21.85	20.73	18.220	18.064	
				54	20.79	20.44	18.202	18.143	
	40MHz	6885 (Straddle)	187	SU	--	43.57	43.35	38.015	37.971
				106T	53	21.93	21.09	18.120	17.820
					--	--	--	--	--
56					20.75	20.82	17.904	17.964	
6965		203	SU	--	43.56	43.72	38.008	37.936	
			106T	53	21.71	21.01	18.101	18.026	
				54	21.80	21.08	18.651	18.539	
				56	21.38	20.44	18.084	18.066	
7085		227	SU	--	43.44	43.25	37.993	38.025	
			106T	53	22.01	20.87	18.153	17.990	
				--	--	--	--	--	
				56	21.56	20.88	18.055	17.597	
80MHz	6945	199	SU	--	82.06	81.92	77.500	77.623	
			MRU484+242T	90	63.92	62.92	58.650	58.582	
				92	82.64	82.24	77.893	77.902	
				93	63.13	62.78	58.548	58.589	
	7025	215	SU	--	82.05	82.24	77.585	77.518	
			MRU484+242T	90	63.00	62.83	58.523	58.505	
				92	84.57	82.22	77.901	77.862	
				93	63.54	62.74	58.582	58.514	
160MHz	6985	207	SU	--	165.90	166.80	156.750	156.640	
			MRU484+242T	90	63.97	63.23	58.847	58.759	
				93	63.60	63.11	58.873	58.714	
				S93	63.29	62.98	58.664	58.720	



9.2.14. 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	--	23.13	23.01	19.024	19.018
			106T	53	21.55	21.05	18.156	18.147
				54	20.76	20.35	17.950	18.151
	6995	209	SU	--	22.87	22.24	19.081	18.985
			106T	53	21.51	20.84	18.191	18.077
				54	21.05	20.49	18.216	17.555
	7095	229	SU	--	22.77	22.19	19.067	19.050
			106T	53	21.77	20.82	18.209	18.079
				54	21.28	20.77	18.198	18.057
40MHz	6885 (Straddle)	187	SU	--	44.76	43.89	38.028	37.968
			106T	53	21.76	21.22	17.973	17.919
				56	21.29	20.61	18.067	18.048
	6965	203	SU	--	44.11	43.65	38.037	37.995
			106T	53	21.86	21.32	18.081	18.049
				54	21.49	21.03	18.630	18.599
	7085	227	SU	--	20.47	20.42	17.908	18.003
			106T	53	44.61	44.26	38.027	38.026
				56	21.54	21.14	18.095	17.956
80MHz	6945	199	SU	--	21.23	20.45	18.088	17.858
			MRU484+242T	90	82.18	81.98	77.512	77.534
				92	63.26	62.92	58.629	58.662
	7025	215	MRU484+242T	92	82.69	82.03	77.906	77.999
				93	62.78	62.91	58.678	58.574
			SU	--	62.88	63.25	58.583	58.633
	7025	215	MRU484+242T	92	82.24	82.04	77.583	77.618
				90	82.88	82.27	77.947	77.926
				93	62.20	62.88	58.505	58.504
160MHz	6985	207	SU	--	63.20	62.88	58.505	58.504
			MRU484+242T	90	164.60	165.50	156.670	156.810
				92	62.99	62.94	58.771	58.678
				93	63.01	63.05	58.665	58.605
				S93	63.30	63.36	58.727	58.862



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	26T: 510kHz/1.6MHz 52T: 510kHz/1.6MHz	26T: 510kHz/1.6MHz	26T: 510kHz/1.6MHz 52T: 510kHz/1.6MHz
	SU	300kHz/910kHz	510kHz/1.6MHz	1MHz/3MHz	2MHz/6MHz

*Different RBW/VBW due to different partial tones.

RESULTS

ID:	19336 JP	Date:	2025-02-19 to 2025-07-21
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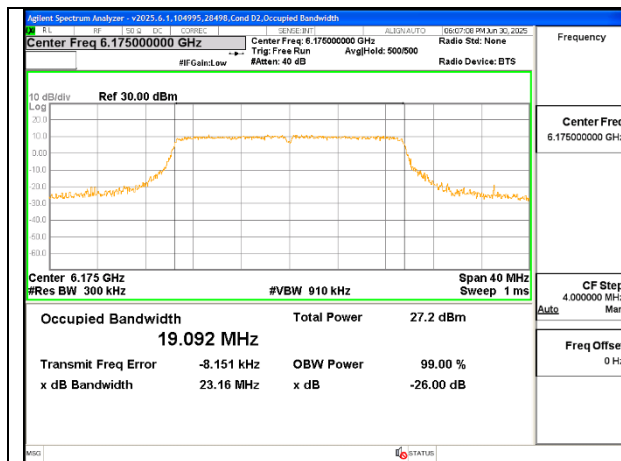
For mask and bandwidth measurements partial RU allocations are tested with the RUs allocated at the lower and upper positions within the channel for the low, mid and high channels in each band. Additionally, the mid channel is also tested with the RU allocated in the center of the channel to verify that the low / high RU allocations are worst case.

Plots included in the report are representative of the method and settings parameters used for the test.

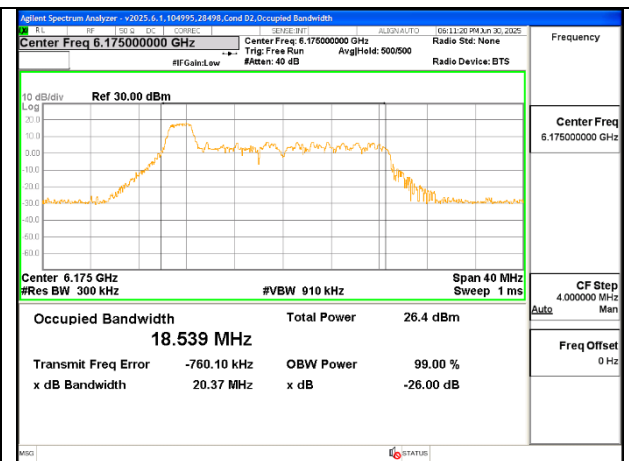
The tests performed on this device show that both 99% and 26dB bandwidths are less than 320 MHz. for all supported channel bandwidths.

9.3.1 802.11be SISO MODE IN THE UNII-5 BAND

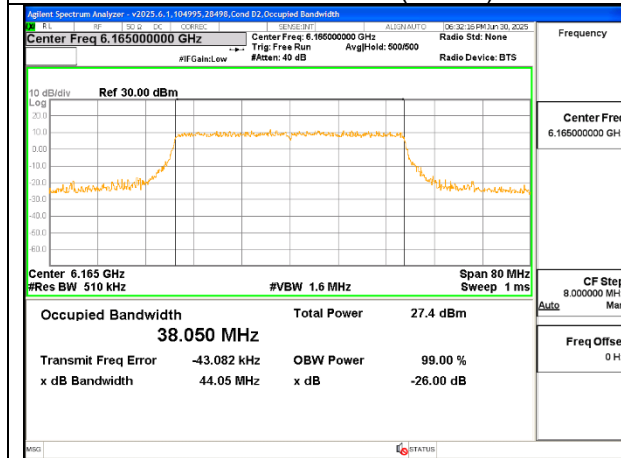
UNII-5 (SISO)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					Ant 6	Ant 5	Ant 6	Ant 5
20 MHz	5955	1	SU	--	22.66	22.33	19.034	19.005
			26T	0	20.46	20.22	18.557	18.493
				--	--	--	--	--
				8	20.52	20.16	18.478	18.500
	6175	45	SU	--	23.16	21.56	19.092	19.002
			26T	0	20.37	20.40	18.539	18.512
				4	18.27	18.09	16.837	16.745
				8	20.33	20.21	18.357	18.422
	6415	93	SU	--	23.15	21.91	19.047	18.990
			26T	0	20.45	20.35	18.547	18.538
				--	--	--	--	--
				8	20.48	20.15	18.402	18.483
40 MHz	5965	3	SU	--	46.94	42.89	38.062	37.925
			26T	0	20.49	20.54	18.589	18.695
				--	--	--	--	--
				17	20.62	20.67	18.649	18.534
	6165	43	SU	--	44.05	42.45	38.050	37.892
			26T	0	21.03	20.57	18.668	18.518
				9	21.07	20.98	19.168	19.120
				17	20.88	20.52	18.542	18.679
	6405	91	SU	--	43.76	42.80	38.053	37.971
			26T	0	20.95	20.75	18.743	18.676
				--	--	--	--	--
				17	20.73	20.53	18.709	18.653
80MHz	5985	7	SU	--	82.29	83.42	77.455	77.518
			26T	0	20.39	20.56	18.694	18.865
				--	--	--	--	--
				36	20.29	20.57	18.797	18.957
	6145	39	SU	--	82.24	83.49	77.556	77.478
			26T	0	20.50	20.36	18.795	18.776
				17	20.03	20.70	18.630	18.509
				36	20.47	20.54	18.694	18.825
	6385	87	SU	--	82.25	83.88	77.704	77.548
			26T	0	20.68	20.28	18.929	19.539
				--	--	--	--	--
				36	20.63	20.45	18.858	19.195
160MHz	6025	15	SU	--	164.80	163.20	156.910	156.220
			26T	0	20.12	19.83	19.000	17.947
				--	--	--	--	--
				S36	20.58	20.83	18.862	18.514
	6185	47	SU	--	166.90	163.60	156.950	156.350
			26T	0	20.78	20.65	18.842	18.647
				36	20.37	20.98	18.779	18.663
				S36	20.38	20.88	18.707	18.735
	6345	79	SU	--	166.60	163.80	156.880	156.360
			26T	0	20.69	21.32	19.269	18.784
				--	--	--	--	--
				S36	20.81	20.66	18.956	18.394



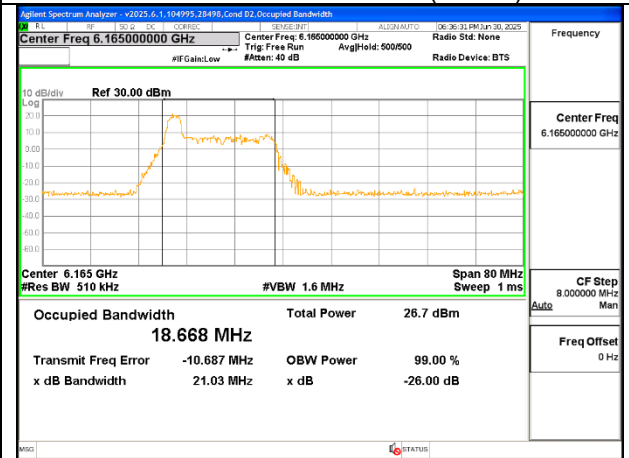
20MHz - Mid Channel – SU (UNII-5) – Ant 6



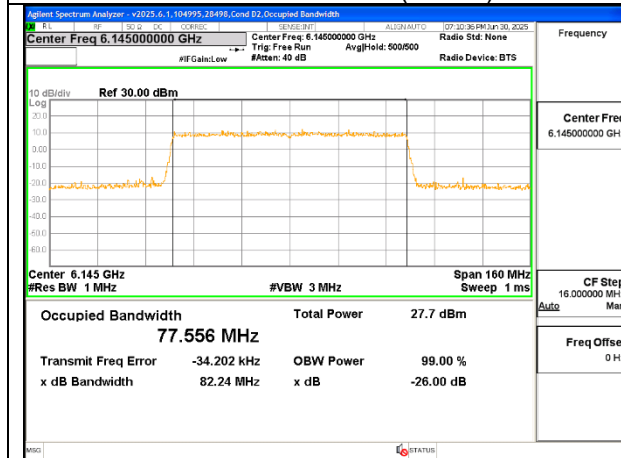
20MHz - Mid Channel – 26T-RU0 (UNII-5) – Ant 6



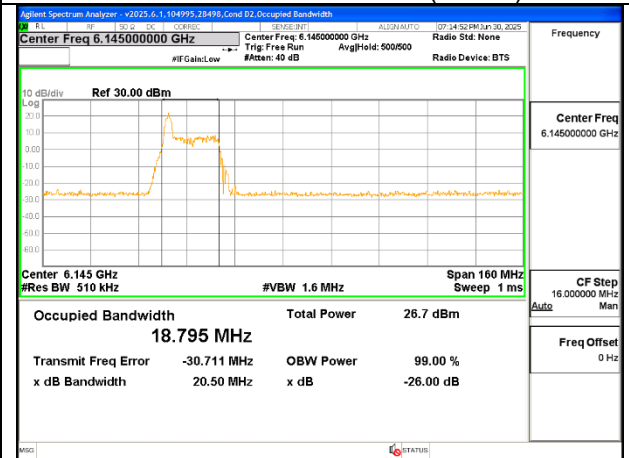
40MHz - Mid Channel – SU (UNII-5) – Ant 6



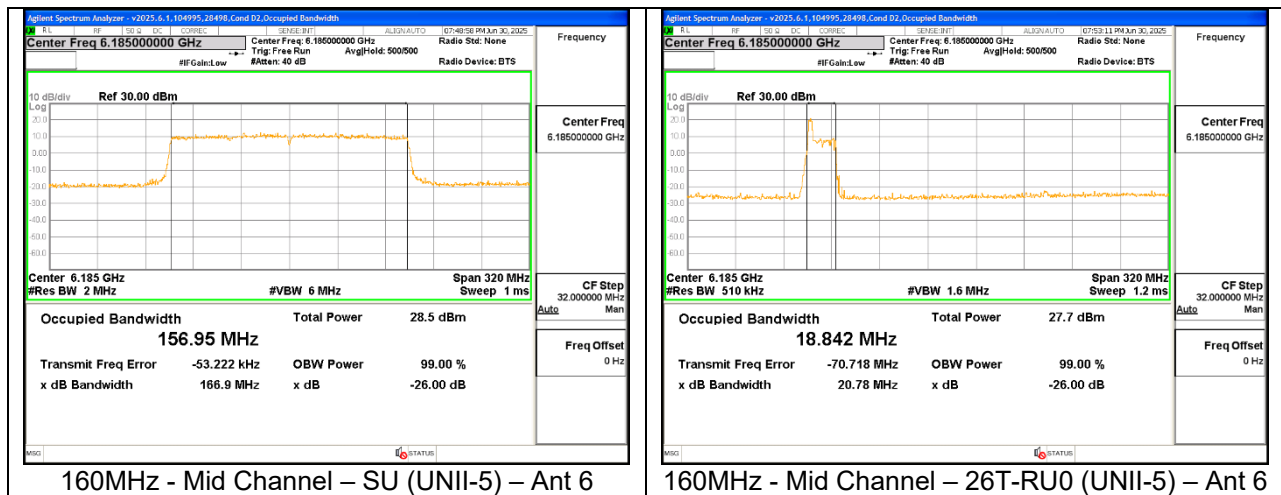
40MHz - Mid Channel – 26T-RU0 (UNII-5) – Ant 6



80MHz - Mid Channel – SU (UNII-5) – Ant 6

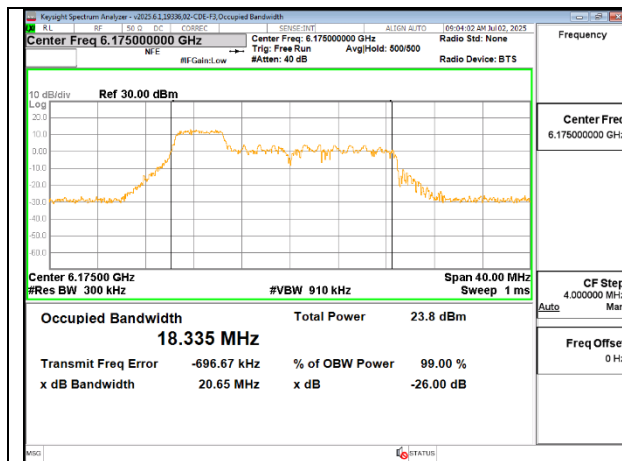


80MHz - Mid Channel – 26T-RU0 (UNII-5) – Ant 6

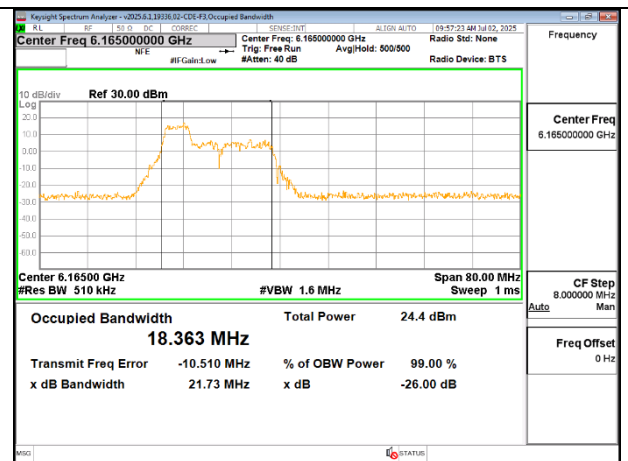


9.3.2 802.11be MIMO CDD MODE IN THE UNII-5 BAND

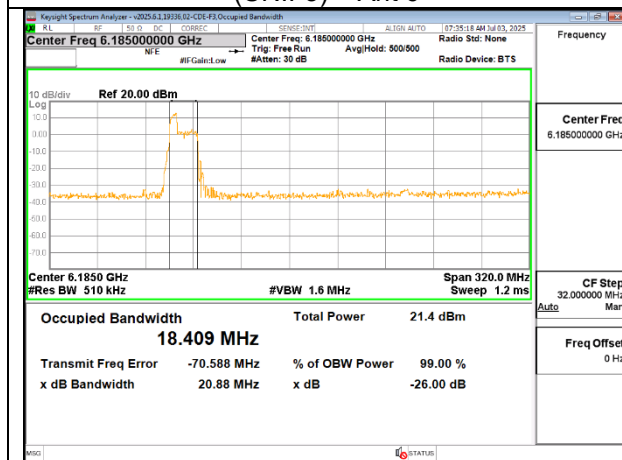
UNII-5 (MIMO CDD)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					Ant 6	Ant 5	Ant 6	Ant 5
20 MHz	5955	1	SU	--	22.48	22.47	19.044	19.007
			52T	37	21.08	20.28	18.441	18.211
				--	--	--	--	--
				40	20.82	20.13	18.279	18.275
	6175	45	SU	--	22.82	22.49	19.042	19.044
			52T	37	20.65	20.40	18.335	18.150
				38	18.60	18.44	16.888	16.792
				40	20.69	20.20	18.328	18.189
	6415	93	SU	--	23.09	22.21	19.010	19.074
			52T	37	21.01	20.40	18.384	18.273
				--	--	--	--	--
				40	20.85	20.61	18.347	18.270
40 MHz	5965	3	SU	--	43.73	43.45	37.997	37.961
			52T	37	21.53	20.69	18.447	18.309
				--	--	--	--	--
				44	20.67	20.32	18.378	18.281
	6165	43	SU	--	44.19	43.04	38.007	37.968
			52T	37	21.73	21.07	18.363	17.670
				41	21.82	21.25	19.022	18.804
				44	21.20	20.88	18.386	18.144
	6405	91	SU	--	44.37	43.87	38.015	37.956
			52T	37	21.81	20.85	18.413	18.123
				--	--	--	--	--
				44	20.85	20.53	18.401	17.757
80MHz	5985	7	SU	--	82.24	82.10	77.500	77.504
			26T	0	20.53	20.90	18.802	18.824
				--	--	--	--	--
				36	20.35	20.79	18.004	18.647
	6145	39	SU	--	82.09	81.81	77.520	77.544
			26T	0	20.91	20.26	18.774	18.616
				17	20.50	20.28	18.658	18.583
				36	20.76	20.22	18.719	18.595
	6385	87	SU	--	82.04	81.84	77.516	77.536
			26T	0	21.03	20.39	18.850	18.489
				--	--	--	--	--
				36	20.79	20.31	18.819	18.741
160MHz	6025	15	SU	--	165.50	165.40	156.780	156.620
			52T	37	21.30	20.86	18.548	18.319
				--	--	--	--	--
				S52	20.90	20.45	18.511	18.431
	6185	47	SU	--	166.00	172.00	156.740	156.960
			52T	37	20.88	21.10	18.409	18.428
				52	20.81	20.56	18.361	18.398
				S52	20.84	20.82	18.066	18.272
	6345	79	SU	--	165.90	167.10	156.430	156.850
			52T	37	21.56	20.83	18.666	18.280
				--	--	--	--	--
				S52	20.66	20.42	18.417	18.283



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



40MHz - 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 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	5955	1	SU	--	22.51	21.64	19.017	19.030
			52T	37	20.73	20.63	18.351	18.136
				--	--	--	--	--
				40	20.78	20.48	18.119	18.240
	6175	45	SU	--	22.26	21.92	19.022	19.060
			52T	37	20.89	20.45	18.305	18.274
				38	18.60	18.37	16.968	16.892
				40	20.49	20.41	18.259	18.245
	6415	93	SU	--	22.96	21.80	18.980	19.065
			52T	37	21.35	20.53	18.354	18.274
				--	--	--	--	--
				40	20.54	20.31	18.339	18.189
40 MHz	5965	3	SU	--	43.58	43.50	38.022	37.911
			52T	37	21.05	20.97	18.300	18.150
				--	--	--	--	--
				44	20.85	20.52	18.353	18.267
	6165	43	SU	--	43.32	42.64	37.949	38.013
			52T	37	21.38	20.52	18.270	18.128
				41	21.41	21.22	18.805	18.738
				44	21.36	20.79	18.431	18.203
	6405	91	SU	--	43.13	42.80	38.050	37.902
			52T	37	21.17	20.98	18.348	18.274
				--	--	--	--	--
				44	20.95	20.79	18.336	18.249
80MHz	5985	7	SU	--	82.24	81.94	77.599	77.508
			26T	0	20.66	20.40	18.609	18.462
				--	--	--	--	--
				36	20.65	20.30	18.588	18.557
	6145	39	SU	--	81.89	81.96	77.466	77.452
			26T	0	20.44	20.46	18.434	18.421
				17	20.60	20.25	18.503	18.560
				36	20.99	20.46	18.798	18.637
	6385	87	SU	--	82.35	82.12	77.655	77.622
			26T	0	20.83	20.86	18.685	18.573
				--	--	--	--	--
				36	20.58	20.50	18.582	18.424
160MHz	6025	15	SU	--	164.40	164.90	156.930	156.670
			52T	37	21.68	21.25	18.463	18.323
				--	--	--	--	--
				S52	21.52	20.71	18.398	18.321
	6185	47	SU	--	165.20	164.00	156.770	156.550
			52T	37	20.95	21.13	18.482	18.291
				52	20.77	21.15	18.431	18.249
				S52	20.86	20.64	18.409	18.367
	6345	79	SU	--	166.60	164.30	156.800	156.710
			52T	37	20.68	20.63	18.414	18.395
				--	--	--	--	--
				S52	21.16	20.44	18.342	18.227

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
20MHz	6535	117	SU	--	23.37	21.91	19.026	19.017
			26T	0	20.66	20.21	18.652	18.433
				--	--	--	--	--
				8	20.93	20.40	18.604	18.444
	6715	153	SU	--	23.27	22.07	19.095	19.062
			26T	0	20.62	20.47	18.563	18.484
				4	18.20	18.23	16.840	16.759
				8	20.52	20.41	18.512	18.550
	6855	181	SU	--	22.66	22.10	19.048	18.999
			26T	0	20.71	20.50	18.633	18.455
				--	--	--	--	--
				8	20.45	20.23	18.625	18.481
40MHz	6565	123	SU	--	44.32	43.72	38.002	37.922
			26T	0	20.71	20.58	18.736	18.692
				--	--	--	--	--
				17	20.63	20.37	18.579	18.620
	6685	147	SU	--	43.89	42.32	38.046	37.924
			26T	0	20.14	20.14	18.542	18.471
				9	20.66	21.06	19.033	19.283
				17	20.54	20.28	18.617	18.770
	6845	179	SU	--	44.02	43.49	38.126	37.932
			26T	0	21.26	20.70	18.729	18.517
				--	--	--	--	--
				17	20.41	20.28	18.588	18.770
80MHz	6625	135	SU	--	82.43	82.60	77.577	77.433
			26T	0	20.29	20.96	18.858	18.969
				--	--	--	--	--
				36	20.76	20.94	18.748	19.073
	6705	151	SU	--	82.33	83.27	77.559	77.424
			26T	0	20.83	20.72	18.744	19.030
				17	20.36	21.07	18.444	18.648
				36	20.59	20.75	18.838	18.860
	6785	167	SU	--	82.38	82.81	77.560	77.492
			26T	0	20.51	20.32	19.369	18.919
				--	--	--	--	--
				36	20.12	20.49	18.795	19.027
160MHz	6665	143	SU	--	174.30	163.90	156.960	156.110
			26T	0	20.15	20.60	18.871	18.641
				36	20.38	21.03	19.035	18.801
				S36	20.70	20.38	19.223	18.620

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
20MHz	6535	117	SU	--	22.92	22.91	19.050	19.092
			26T	0	20.50	20.22	18.612	18.463
				--	--	--	--	--
				8	20.47	20.40	18.493	18.39
	6715	153	SU	--	23.11	22.96	19.130	19.060
			26T	0	20.65	20.29	18.619	18.505
				4	18.29	18.11	16.933	16.826
				8	20.45	20.32	18.567	18.53
	6855	181	SU	--	23.05	22.67	19.147	19.088
			26T	0	20.58	20.27	18.64	18.511
				--	--	--	--	--
				8	20.65	20.48	18.494	18.343
40MHz	6565	123	SU	--	43.66	43.31	38.091	38.004
			26T	0	20.56	20.27	18.813	18.564
				--	--	--	--	--
				17	20.52	20.40	18.21	18.549
	6685	147	SU	--	44.06	43.74	38.123	38.072
			26T	0	20.35	20.23	18.32	18.498
				9	21.14	20.91	19.166	18.982
				17	20.93	20.27	18.694	18.495
	6845	179	SU	--	44.23	44.52	38.111	38.078
			26T	0	20.94	20.08	18.544	18.457
				--	--	--	--	--
				17	20.95	20.54	18.751	18.612
80MHz	6625	135	SU	--	82.23	82.07	77.714	77.568
			26T	0	20.50	20.50	18.963	18.53
				--	--	--	--	--
				36	21.27	20.34	19.068	18.471
	6705	151	SU	--	82.82	82.48	77.762	77.746
			26T	0	20.82	20.87	18.685	18.572
				17	20.44	20.02	18.682	18.84
				36	19.87	20.43	18.61	18.874
	6785	167	SU	--	87.10	81.82	77.592	77.794
			26T	0	20.63	20.78	18.782	18.652
				--	--	--	--	--
				36	20.60	20.47	18.821	19.011
160MHz	6665	143	SU	--	164.80	164.70	156.660	156.530
			26T	0	21.22	20.49	19.262	19.142
				36	20.74	20.31	18.833	18.868
				S36	20.35	20.24	18.821	18.621

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

UNII-7 (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	6535	117	SU	--	21.31	22.93	19.025	19.043
			26T	0	20.66	20.48	18.597	18.554
				--	--	--	--	--
				8	20.42	20.44	18.499	18.374
	6715	153	SU	--	22.97	22.46	19.035	19.026
			26T	0	20.54	20.19	18.736	18.464
				4	18.32	18.19	16.928	16.777
				8	20.59	20.33	18.549	18.342
	6855	181	SU	--	23.07	22.11	19.101	19.020
			26T	0	20.73	20.31	18.657	18.431
				--	--	--	--	--
				8	20.65	20.12	18.491	18.557
40MHz	6565	123	SU	--	44.07	43.20	38.021	38.038
			26T	0	20.50	20.72	18.732	18.658
				--	--	--	--	--
				17	20.75	20.51	18.647	18.749
	6685	147	SU	--	43.26	43.40	38.009	37.966
			26T	0	20.72	20.75	18.852	18.659
				9	21.35	20.98	19.234	19.099
				17	20.75	20.51	18.647	18.749
	6845	179	SU	--	43.63	43.90	38.064	37.966
			26T	0	20.63	20.32	18.811	18.762
				--	--	--	--	--
				17	20.74	20.22	18.649	18.753
80MHz	6625	135	SU	--	82.08	81.89	77.628	77.512
			26T	0	21.01	20.35	19.025	18.877
				--	--	--	--	--
				36	20.43	20.85	19.068	18.895
	6705	151	SU	--	82.27	82.00	77.506	77.342
			26T	0	20.51	20.83	18.866	18.894
				17	20.85	20.01	19.193	19.012
				36	20.98	20.39	19.072	18.864
	6785	167	SU	--	82.48	82.25	77.416	77.451
			26T	0	20.74	20.41	18.857	18.731
				--	--	--	--	--
				36	20.97	20.63	19.082	18.929
160MHz	6665	143	SU	--	164.40	165.30	156.670	156.410
			26T	0	20.43	21.04	18.730	18.650
				36	20.87	20.27	19.862	19.813
				S36	20.26	20.51	19.488	18.397

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	MRU106+26T: 300kHz/910kHz	MRU: 106+26T: 510kHz/1.6MHz	MRU106+26T: 510kHz/1.6MHz	52T: 510kHz/1.6MHz
	SU	300kHz/910kHz	510kHz/1.6MHz	1MHz/3MHz	2MHz/6MHz

*Different RBW/VBW due to different partial tones.

RESULTS

ID:	19336 JP	Date:	2025-02-20 to 2025-07-21
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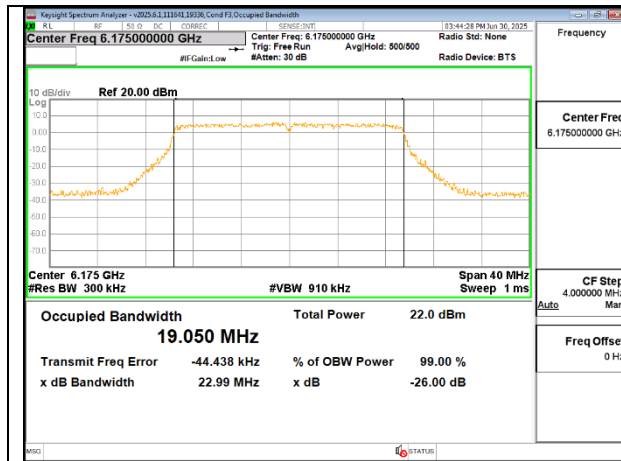
For mask and bandwidth measurements partial RU allocations are tested with the RUs allocated at the lower and upper positions within the channel for the low, mid and high channels in each band. Additionally, the mid channel is also tested with the RU allocated in the center of the channel to verify that the low / high RU allocations are worst case.

Plots included in the report are representative of the method and settings parameters used for the test.

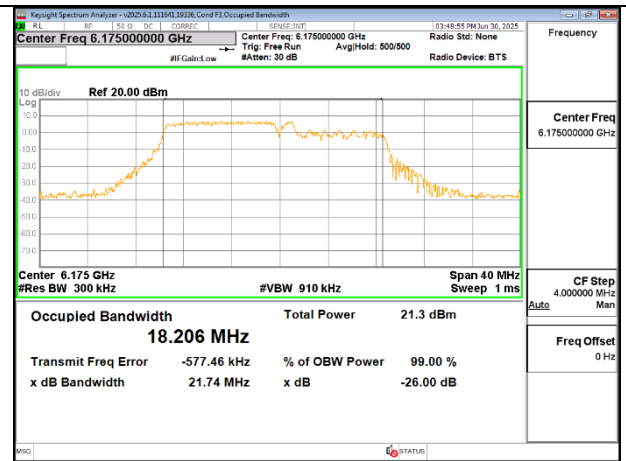
The tests performed on this device show that both 99% and 26dB bandwidths are less than 320 MHz. for all supported channel bandwidths.

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

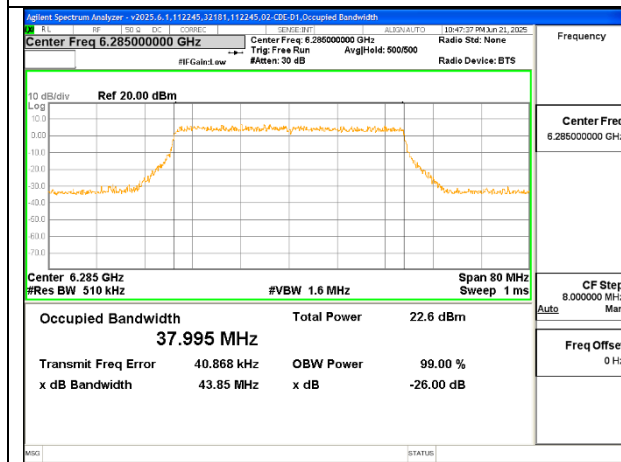
UNII-5 (SISO)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					Ant 6	Ant 5	Ant 6	Ant 5
20 MHz	6115	33	SU	--	22.96	22.69	19.033	19.014
			MRU106+26T	82	21.67	21.54	18.193	18.198
				83	21.17	21.25	18.080	18.156
	6175	45	SU	--	22.99	22.78	19.050	19.049
			MRU106+26T	82	21.74	22.15	18.206	18.193
				83	21.23	21.07	18.081	18.156
	6415	93	SU	--	23.07	23.10	19.063	19.044
			MRU106+26T	82	22.03	21.67	18.175	18.180
				83	21.41	21.35	18.159	18.123
40 MHz	6125	35	SU	--	44.37	44.91	38.045	37.931
			MRU106+26T	82	21.90	22.07	18.066	17.920
				--	--	--	--	--
				85	21.77	21.39	18.007	17.836
	6285	67	SU	--	43.85	44.09	37.995	37.972
			MRU106+26T	82	21.87	22.43	18.039	18.071
				84	21.86	22.30	18.579	18.587
				85	20.97	20.89	16.909	17.879
	6405	91	SU	--	44.78	43.85	38.014	37.985
			MRU106+26T	82	22.53	22.22	18.007	18.062
				--	--	--	--	--
				85	21.00	21.50	18.032	18.030
80MHz	6145	39	SU	--	82.56	82.18	77.406	77.575
			MRU106+26T	82	21.93	21.95	18.178	18.259
				--	--	--	--	--
				89	21.47	21.43	17.971	18.250
	6305	71	SU	--	82.69	82.31	77.604	77.522
			MRU106+26T	82	22.31	21.36	18.049	18.249
				85	21.31	20.95	18.078	18.069
				89	21.38	20.74	18.012	18.123
	6385	87	SU	--	82.62	82.00	77.524	77.587
			MRU106+26T	82	21.83	21.55	18.073	18.223
				--	--	--	--	--
				89	21.61	21.81	18.067	18.174
160MHz	6185	47	SU	--	166.40	165.20	156.630	156.660
			52T	37	21.95	21.95	18.379	18.670
				52	20.60	21.17	18.227	19.147
				S52	21.16	21.17	18.551	18.935
	6345	79	SU	--	164.30	164.60	156.540	156.520
			52T	37	21.09	21.70	18.412	19.787
				--	--	--	--	--
				S52	20.90	21.51	18.300	18.829



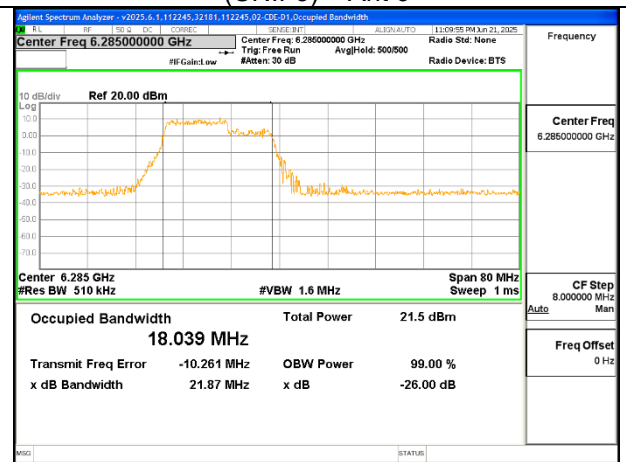
20MHz - Mid Channel – SU (UNII-5) – Ant 6



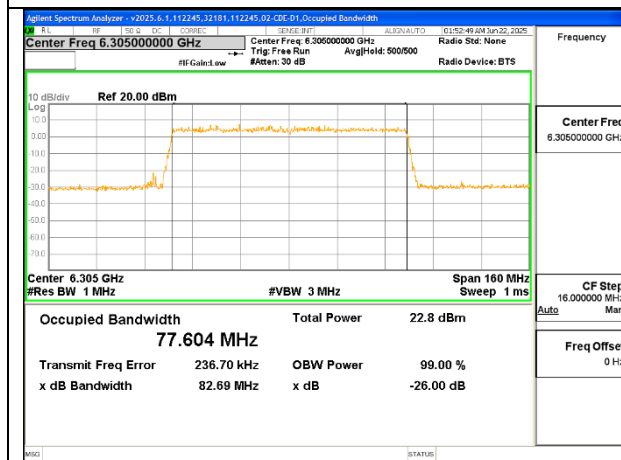
20MHz - Mid Channel – MRU106+26T-RU82 (UNII-5) – Ant 6



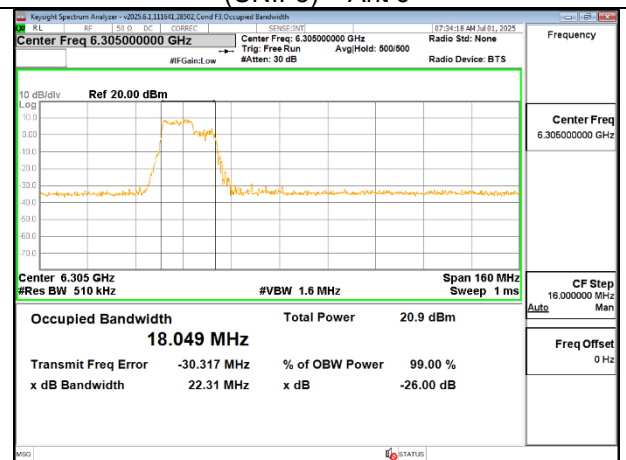
40MHz - Mid Channel – SU (UNII-5) – Ant 6



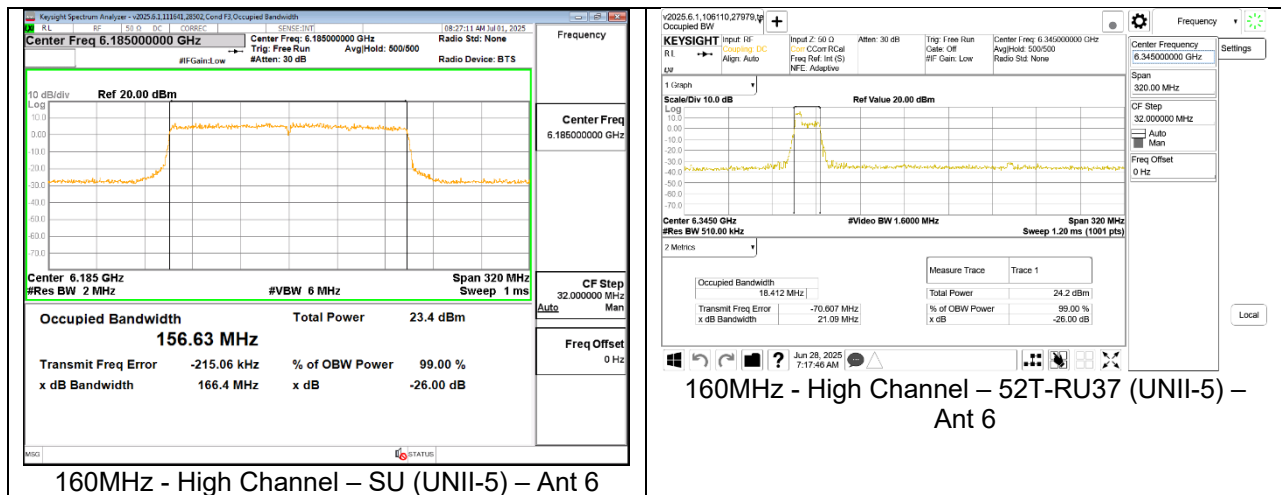
40MHz - Mid Channel – MRU106+26T-RU82 (UNII-5) – Ant 6



80MHz - Mid Channel – SU (UNII-5) – Ant 6



80MHz - Mid Channel – MRU106+26T-RU82 (UNII-5) – Ant 6



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	--	22.80	22.51	19.053	19.029
			MRU106+26T	82	21.66	20.88	18.158	18.055
				83	21.13	20.51	18.190	18.026
	6175	45	SU	--	22.55	22.69	19.033	19.055
			MRU106+26T	82	21.91	20.78	18.198	18.103
				83	20.92	20.53	18.015	18.085
	6415	93	SU	--	23.11	22.37	19.073	19.019
			MRU106+26T	82	21.44	20.76	18.190	18.050
				83	20.81	20.64	18.030	18.140
40 MHz	6125	35	SU	--	43.61	42.90	38.032	38.000
			MRU106+26T	82	21.95	20.96	17.952	17.790
				--	--	--	--	--
	6285	67	SU	--	21.10	20.76	17.973	17.936
			MRU106+26T	--	44.07	43.61	38.018	37.959
				82	21.38	20.84	17.996	17.832
	6405	91	MRU106+26T	84	22.45	21.15	18.474	17.893
				85	21.50	20.70	18.050	17.926
			SU	--	43.44	43.13	38.052	38.081
			MRU106+26T	82	22.37	21.30	18.027	17.944
				--	--	--	--	--
				85	22.03	20.98	17.947	17.843
80MHz	6145	39	SU	--	82.55	82.51	77.669	77.629
			MRU106+26T	82	21.38	21.42	18.239	18.072
				--	--	--	--	--
	6305	71	MRU106+26T	89	21.08	20.85	18.233	18.066
				--	82.26	82.63	77.665	77.711
			SU	--	21.93	21.69	18.208	18.171
	6385	87	MRU106+26T	85	21.24	20.88	18.137	18.002
				89	21.46	20.78	18.186	18.095
			SU	--	82.69	82.66	77.652	77.802
			MRU106+26T	82	22.31	20.96	18.330	18.033
				--	--	--	--	--
				89	20.96	20.97	17.745	18.101
160MHz	6185	47	SU	--	165.20	164.30	157.430	156.530
			52T	37	21.47	20.73	18.524	18.187
				52	21.15	21.08	18.560	18.209
				S52	21.35	20.83	18.406	18.196
	6345	79	SU	--	165.20	165.10	156.590	156.350
			52T	37	21.38	21.30	18.410	18.335
				--	--	--	--	--
				S52	21.32	20.77	18.410	18.212
				--	--	--	--	--

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

UNII-5 (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	6115	33	SU	--	23.26	22.27	19.074	19.019
			MRU106+26T	82	21.69	20.63	18.216	18.090
				83	21.26	20.34	18.051	18.023
	6175	45	SU	--	23.59	22.61	19.044	18.993
			MRU106+26T	82	22.18	20.46	18.014	18.079
				83	21.00	20.51	18.068	18.119
	6415	93	SU	--	23.00	22.27	19.021	19.003
			MRU106+26T	82	21.71	20.83	18.196	18.071
				83	20.87	20.35	18.032	17.993
40 MHz	6125	35	SU	--	44.24	43.55	38.023	38.000
			MRU106+26T	82	21.77	20.85	18.056	17.881
				--	--	--	--	--
	6285	67	SU	--	21.03	20.66	18.027	17.950
			MRU106+26T	--	43.75	43.73	37.988	37.973
				82	22.18	21.65	17.997	17.839
	6405	91	MRU106+26T	84	22.29	21.18	18.521	18.337
				85	21.49	21.42	18.009	17.915
			SU	--	44.81	43.20	38.103	38.016
			MRU106+26T	82	22.42	20.88	18.075	17.930
				--	--	--	--	--
				85	21.39	20.55	18.111	17.844
80MHz	6145	39	SU	--	82.07	82.50	77.455	77.422
			MRU106+26T	82	22.33	20.44	18.035	17.605
				--	--	--	--	--
	6305	71	MRU106+26T	89	21.35	20.80	18.007	17.999
				--	82.60	82.11	77.659	77.520
			SU	--	22.07	20.92	18.176	17.825
	6385	87	MRU106+26T	85	21.05	20.86	17.993	17.834
				89	21.79	20.97	17.931	18.001
			SU	--	82.20	82.26	77.626	77.532
			MRU106+26T	82	22.57	20.55	17.991	17.621
				--	--	--	--	--
				89	21.70	20.81	17.969	17.946
160MHz	6185	47	SU	--	165.40	165.20	156.660	156.850
			52T	37	20.92	20.99	18.356	18.346
				52	20.89	20.86	18.430	18.350
	6345	79	52T	S52	20.98	20.91	18.359	18.333
				--	164.30	166.50	156.670	156.800
			SU	--	22.09	21.00	18.384	18.349
			52T	52	20.77	20.93	18.282	18.355
				S52	21.41	21.19	18.375	18.438

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	--	22.58	22.83	19.012	19.047
			MRU106+26T	82	21.89	21.90	18.198	18.159
				83	20.07	20.99	18.013	18.110
	6475	105	SU	--	23.01	23.21	19.030	19.077
			MRU106+26T	82	21.76	21.97	18.257	18.180
				83	21.03	21.28	18.190	18.087
	6515	113	SU	--	22.70	23.06	19.030	19.056
			MRU106+26T	82	21.82	21.71	18.253	18.213
				83	21.19	21.05	18.160	18.188
40 MHz	6445	99	SU	--	43.94	43.74	38.053	38.024
			MRU106+26T	82	21.91	21.52	18.070	18.038
				--	--	--	--	--
				85	20.87	21.67	17.994	18.052
	6485	107	SU	--	44.00	44.08	38.031	37.985
			MRU106+26T	82	22.53	21.37	18.005	17.997
				84	22.66	22.31	18.499	18.562
				85	21.11	21.60	17.963	18.062
	6525(Straddle)	115	SU	--	43.90	43.97	38.004	38.039
			MRU106+26T	82	21.51	22.06	17.993	18.008
				--	--	--	--	--
				85	20.96	21.09	17.995	17.909
80MHz	6465	103	SU	--	81.22	82.56	77.404	77.466
			MRU106+26T	82	22.34	21.76	18.058	18.128
				85	20.31	21.22	18.150	18.205
				89	22.09	20.69	18.549	18.135
160MHz	6505(Straddle)	111	SU	--	165.00	166.00	156.680	156.710
			52T	37	21.31	21.20	18.352	18.765
				52	21.19	21.00	18.309	18.378
				S52	20.89	21.30	18.330	18.528

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	--	23.38	22.42	19.025	19.062
			MRU106+26	82	21.36	20.77	18.242	18.108
				83	20.76	20.53	18.169	17.991
	6475	105	SU	--	23.22	22.05	19.039	19.076
			MRU106+26	82	21.73	20.50	18.065	17.969
				83	21.26	20.88	18.163	18.077
	6515	113	SU	--	22.83	22.99	19.092	18.988
			MRU106+26	82	21.83	20.48	18.185	18.086
				83	21.13	20.62	18.150	18.078
40 MHz	6445	99	SU	--	43.56	43.37	38.008	38.022
			MRU106+26	82	21.94	20.82	17.916	17.732
				--	--	--	--	--
				85	21.29	20.73	17.981	17.895
	6485	107	SU	--	44.01	43.95	38.081	37.957
			MRU106+26	82	22.37	21.37	17.965	17.907
				84	21.65	21.82	18.605	18.502
				85	21.45	20.72	18.009	17.892
	6525 (Straddle)	115	SU	--	44.82	43.42	38.072	38.005
			MRU106+26	82	22.18	21.16	17.980	17.838
				--	--	--	--	--
				85	21.41	20.90	17.913	17.890
80MHz	6465	103	SU	--	82.29	82.16	77.530	77.363
			MRU106+26	82	21.73	21.10	17.947	17.941
				85	21.11	21.01	17.937	17.940
				89	20.92	20.56	17.506	17.777
160MHz	6505 (Straddle)	111	SU	--	165.00	164.80	156.530	156.690
			52T	37	20.88	20.62	18.500	18.229
				52	20.71	20.79	18.268	18.251
				S52	21.26	20.44	18.440	18.183

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	--	23.21	22.40	19.099	19.016
			MRU106+26T	82	21.76	20.81	18.265	18.082
				83	20.96	20.58	18.109	18.079
	6475	105	SU	--	22.97	21.94	19.039	18.997
			MRU106+26T	82	22.33	20.55	18.257	18.111
				83	20.91	20.59	18.088	18.016
	6515	113	SU	--	23.03	22.11	19.038	19.022
			MRU106+26T	82	21.62	20.61	18.269	18.073
				83	21.18	20.22	18.060	18.036
40 MHz	6445	99	SU	--	44.24	42.82	38.046	37.987
			MRU106+26T	82	21.80	21.28	18.025	17.922
				--	--	--	--	--
				85	21.28	20.90	17.892	17.782
	6485	107	SU	--	43.40	43.23	38.039	37.980
			MRU106+26T	82	22.24	21.17	17.996	17.919
				84	22.70	21.53	18.626	18.395
				85	21.13	20.50	18.015	17.908
	6525 (Straddle)	115	SU	--	43.60	43.22	38.020	37.999
			MRU106+26T	82	21.98	21.14	17.968	17.864
				--	--	--	--	--
				85	21.45	20.74	17.921	17.837
80MHz 160MHz	6465	103	SU	--	82.57	82.09	77.534	77.415
			MRU106+26T	82	21.76	21.25	18.074	17.936
				85	20.89	20.77	17.941	18.025
				89	20.75	20.56	18.037	17.886
	6505 (Straddle)	111	SU	--	164.80	164.00	156.820	156.490
			52T	37	21.12	20.59	18.448	17.983
				52	21.13	21.55	18.261	18.434
				S52	21.72	20.93	18.463	18.512

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
20MHz	6535	117	SU	--	22.52	21.72	19.024	18.979
			MRU106+26T	82	22.00	20.28	18.121	18.116
				83	21.27	20.52	18.107	18.119
	6715	153	SU	--	22.57	21.72	19.002	19.035
			MRU106+26T	82	21.65	20.97	18.227	18.065
				83	21.22	20.51	18.149	18.195
	6875 (Straddle)	185	SU	--	22.83	22.90	19.014	19.083
			MRU106+26T	82	21.95	21.85	18.274	18.15
				83	20.94	21.18	18.083	18.061
40MHz	6565	123	SU	--	42.90	43.27	37.959	37.901
			MRU106+26T	82	21.60	21.24	18.075	17.974
				--	--	--	--	--
				85	21.40	20.96	18.025	17.971
	6685	147	SU	--	42.70	43.16	38.031	37.936
			MRU106+26T	82	21.44	21.32	17.928	17.869
				84	22.02	22.09	18.694	18.433
				85	21.39	20.70	17.953	17.983
	6845	179	SU	--	43.04	42.34	38.029	37.862
			MRU106+26T	82	21.49	21.34	17.968	17.898
				--	--	--	--	--
				85	20.90	21.13	17.942	17.963
80MHz	6545 (Straddle)	119	SU	--	82.09	84.16	77.427	77.596
			MRU106+26T	82	22.00	21.38	18.144	17.999
				--	--	--	--	--
				89	21.20	20.69	17.995	17.934
	6705	151	SU	--	81.72	83.64	77.333	77.649
			MRU106+26T	82	22.10	21.12	18.058	18.022
				85	21.47	21.62	18.017	17.984
				89	21.36	20.89	17.862	18.07
	6865 (Straddle)	183	SU	--	81.82	82.06	77.347	77.537
			MRU106+26T	82	22.55	21.13	18.102	18.027
				--	--	--	--	--
				89	20.98	21.16	18.128	17.933
160MHz	6665	143	SU	--	166.20	163.40	156.94	156.16
			52T	37	22.13	21.32	18.542	18.957
				52	21.16	20.22	18.612	18.942
				S52	21.61	21.18	18.443	19.085
	6825 (Straddle)	175	SU	--	164.90	165.20	156.52	156.61
			52T	37	21.69	21.32	18.582	18.545
				52	20.98	22.11	18.002	18.656
				S52	20.80	21.98	18.544	18.178

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

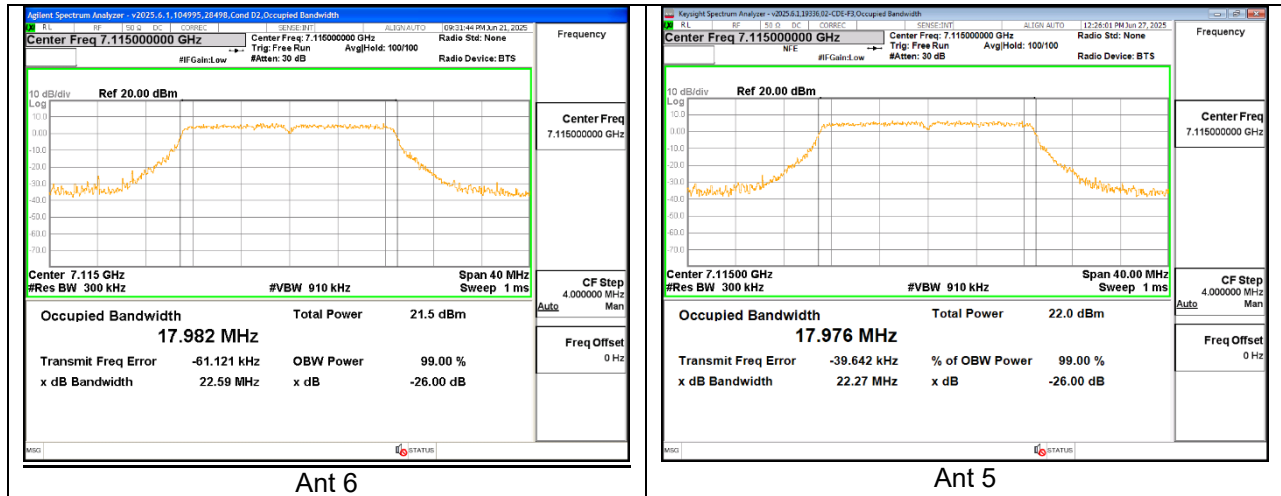
UNII-7 (MIMO CDD)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					Ant 6	Ant 5	Ant 6	Ant 5
20MHz	6535	117	SU	--	22.81	22.37	19.065	19.026
			MRU106+26T	82	21.55	20.75	18.178	18.072
				83	21.31	20.41	18.045	18.000
	6715	153	SU	--	22.94	22.48	19.070	19.018
			MRU106+26T	82	22.18	20.80	18.191	18.100
				83	21.17	20.35	18.105	18.145
	6875 (Straddle)	185	SU	--	22.83	22.51	19.042	19.033
			MRU106+26T	82	21.76	20.66	18.203	18.047
				83	21.29	20.64	18.126	18.111
40MHz	6565	123	SU	--	43.41	43.89	37.978	37.979
			MRU106+26T	82	22.28	21.34	17.947	17.894
				--	--	--	--	--
				85	20.80	20.76	17.925	17.838
	6685	147	SU	--	43.77	43.19	38.006	37.983
			MRU106+26T	82	20.63	21.11	17.884	17.915
				84	22.23	21.26	18.621	18.411
				85	20.86	20.62	17.913	17.957
	6845	179	SU	--	43.84	43.23	37.985	38.076
			MRU106+26T	82	22.08	21.09	17.937	17.936
				--	--	--	--	--
				85	21.36	20.84	17.954	17.983
80MHz	6545 (Straddle)	119	SU	--	82.53	82.09	77.574	77.476
			MRU106+26T	82	21.48	21.07	18.407	17.936
				--	--	--	--	--
				89	20.99	20.56	18.108	18.009
	6705	151	SU	--	82.19	82.47	77.469	77.577
			MRU106+26T	82	22.09	21.36	18.017	17.906
				86	21.26	20.47	17.913	17.923
				89	21.16	20.40	18.076	17.993
	6865 (Straddle)	183	SU	--	82.38	82.07	77.605	77.410
			MRU106+26T	82	21.45	21.40	17.992	17.985
				--	--	--	--	--
				89	21.88	20.51	18.071	17.916
160MHz	6665	143	SU	--	166.20	167.10	157.070	157.230
			52T	37	21.27	21.18	18.781	18.538
				52	21.19	20.88	18.628	18.538
				S52	20.68	20.52	18.666	18.472
	6825	175	SU	--	167.41	166.98	157.43	157.33
			52T	37	21.20	20.41	18.862	18.533
				52	21.04	20.91	18.721	18.765
				S52	21.16	20.75	18.646	18.514

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

UNII-7 (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	6535	117	SU	--	23.12	22.28	19.079	19.019
			MRU106+26T	82	21.68	20.78	18.198	18.093
				83	21.14	20.50	18.151	18.188
	6715	153	SU	--	22.66	22.34	19.041	19.058
			MRU106+26T	82	21.88	21.08	18.213	18.121
				83	20.69	20.65	18.123	18.021
	6875 (Straddle)	185	SU	--	22.81	22.45	19.108	19.022
			MRU106+26T	82	21.60	20.81	18.221	18.154
				83	21.31	20.52	18.046	17.963
40MHz	6565	123	SU	--	44.36	43.48	38.105	38.027
			MRU106+26T	82	22.19	20.99	18.075	17.768
				--	--	--	--	--
				85	21.51	20.52	18.020	17.704
	6685	147	SU	--	43.92	43.22	38.052	37.976
			MRU106+26T	82	21.78	21.69	18.086	17.910
				84	22.07	20.68	18.588	18.405
				85	21.47	20.79	18.018	18.017
	6845	179	SU	--	44.00	43.77	38.079	37.997
			MRU106+26T	82	21.44	22.48	17.855	18.670
				--	--	--	--	--
				85	21.34	21.11	17.829	17.944
80MHz	6545 (Straddle)	119	SU	--	82.25	81.95	77.582	77.589
			MRU106+26T	82	22.64	21.18	17.963	17.983
				--	--	--	--	--
				89	20.98	20.92	18.002	17.938
	6705	151	SU	--	82.35	82.44	77.522	77.539
			MRU106+26T	82	21.92	21.37	18.067	17.996
				86	21.70	20.68	18.084	17.922
				89	21.44	21.03	17.968	18.028
	6865 (Straddle)	183	SU	--	82.24	82.49	77.647	77.642
			MRU106+26T	82	21.93	21.73	18.321	17.982
				--	--	--	--	--
				89	20.74	21.13	18.139	18.171
160MHz	6665	143	SU	--	167.70	165.90	156.920	157.060
			52T	37	21.40	21.04	18.401	18.474
				52	20.70	20.95	18.571	18.293
				S52	20.78	20.49	18.600	18.473
	6825 (Straddle)	175	SU	--	165.80	165.60	157.110	157.130
			52T	37	21.79	20.97	18.699	18.406
				52	21.10	20.70	18.470	18.582
				S52	21.37	20.89	18.553	18.639

9.4.10. 802.11a 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
20MHz	7115	223	--	--	22.59	22.27	17.982	17.976



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
20MHz	6895	189	SU	--	22.38	22.40	19.043	19.013
			MRU106+26T	82	21.63	21.87	18.131	18.159
				83	20.64	20.90	18.132	18.155
	6995	209	SU	--	22.67	23.00	19.021	19.045
			MRU106+26T	82	21.62	21.72	17.754	18.180
				83	20.85	20.94	17.172	18.058
	7095	229	SU	--	22.45	22.82	19.066	19.076
			MRU106+26T	82	21.58	21.68	18.162	18.158
				83	21.46	21.11	18.12	18.150
40MHz	6885 (Straddle)	187	SU	--	44.41	44.27	38.056	37.983
			MRU106+26T	82	22.15	22.27	17.992	17.974
				--	--	--	--	--
				85	21.29	21.25	17.994	17.953
	6965	203	SU	--	43.37	43.89	37.97	38.051
			MRU106+26T	82	21.18	22.35	17.623	17.961
				84	21.86	22.39	18.586	18.554
				85	20.99	21.15	17.894	17.944
	7085	227	SU	--	43.49	43.85	37.987	38.005
			MRU106+26T	82	22.04	21.94	18.009	18.036
				--	--	--	--	--
				85	21.22	21.36	18.071	17.925
80MHz	6945	199	SU	--	82.06	82.18	77.615	77.480
			MRU106+26T	82	21.81	21.52	18.077	17.927
				85	21.52	21.56	18.061	18.067
				89	21.43	21.31	18.147	17.937
	7025	215	SU	--	82.66	82.19	77.677	77.550
			MRU106+26T	82	22.01	22.24	18.021	18.074
				85	21.07	21.45	17.995	17.941
				89	21.34	21.39	18.032	18.065
160MHz	6985	207	SU	--	164.80	164.40	156.67	156.750
			52T	37	21.70	21.04	18.813	18.447
				52	21.17	20.68	18.743	18.253
				552	20.42	21.35	18.259	18.492

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

UNII-8 (MIMO)	Frequency (MHz)	Channel Number	Tone	RU Index	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
					Ant 6	Ant 5	Ant 6	Ant 5
20MHz	7115	233	--	--	22.62	21.76	17.911	17.860

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
20MHz	6895	189	SU	--	22.93	22.80	19.048	19.021
			MRU106+26T	82	21.19	20.93	18.195	18.181
				83	20.95	20.64	18.061	18.037
	6995	209	SU	--	22.93	22.55	19.063	19.015
			MRU106+26T	82	21.80	20.73	18.223	18.070
				83	21.19	20.16	18.039	18.119
	7095	229	SU	--	23.06	22.81	19.045	19.078
			MRU106+26T	82	21.78	20.66	18.210	18.090
				83	21.20	20.48	18.184	18.098
40MHz	6885 (Straddle)	187	SU	--	44.16	43.39	38.290	38.037
			MRU106+26T	82	21.76	21.38	17.991	17.888
				--	--	--	--	--
				85	20.96	20.74	17.938	17.870
	6965	203	SU	--	44.15	43.89	38.034	38.008
			MRU106+26T	82	22.19	21.21	17.952	17.930
				84	22.84	21.55	18.588	18.452
				85	21.16	20.82	17.908	17.868
	7085	227	SU	--	44.19	43.99	38.052	37.969
			MRU106+26T	82	22.13	21.49	17.963	17.885
				--	--	--	--	--
				85	21.16	20.90	17.876	17.973
80MHz	6945	199	SU	--	82.00	82.33	77.496	77.475
			MRU106+26T	82	22.00	21.37	18.288	17.942
				85	21.23	20.73	17.967	17.752
				89	21.65	20.66	17.924	18.027
	7025	215	SU	--	82.17	82.26	77.484	77.489
			MRU106+26T	82	22.22	20.84	18.001	18.001
				85	21.33	20.85	18.060	18.046
				89	21.44	20.87	17.942	17.282
160MHz	6985	207	SU	--	168.00	165.20	156.730	156.610
			52T	37	20.88	20.71	18.656	18.154
				52	20.67	20.49	18.326	18.128
				552	20.96	20.69	18.321	18.463

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	--	23.05	22.23	19.033	19.006
			MRU106+26T	82	21.87	21.15	18.158	18.121
				83	21.20	21.20	18.163	18.013
	6995	209	SU	--	23.03	22.31	19.017	19.019
			MRU106+26T	82	22.03	20.61	18.145	18.065
				83	20.76	20.48	18.092	18.163
	7095	229	SU	--	22.98	22.07	19.055	19.003
			MRU106+26T	82	21.59	20.70	18.159	18.019
				83	21.07	20.67	18.095	18.136
40MHz	6885(Straddle)	187	SU	--	43.88	43.46	37.983	38.016
			MRU106+26T	82	22.37	21.41	18.054	17.971
				--	--	--	--	--
				85	21.34	20.57	17.904	17.794
	6965	203	SU	--	44.25	44.17	38.048	38.012
			MRU106+26T	82	22.35	20.79	18.035	17.826
				84	22.33	21.20	18.380	18.423
				85	20.88	20.78	17.901	17.863
	7085	227	SU	--	44.92	43.65	38.001	38.042
			MRU106+26T	82	22.45	21.20	17.911	17.931
				--	--	--	--	--
				85	21.40	20.34	18.017	17.836
80MHz	6945	199	SU	--	82.13	82.31	77.530	77.450
			MRU106+26T	82	21.68	21.15	18.141	17.942
				85	21.64	20.26	18.052	17.789
				89	21.07	20.64	18.117	18.058
	7025	215	SU	--	82.19	82.03	77.477	77.536
			MRU106+26T	82	21.34	20.89	18.105	17.766
				85	20.83	20.70	17.837	17.989
160MHz	6985	207	SU	--	164.70	165.50	156.820	156.540
				37	22.13	21.05	17.920	18.284
			52T	52	20.80	21.07	18.429	18.338
				S52	21.21	20.95	18.491	17.957