

TEST REPORT

Report Number: 15107843-E10V2

Applicant : Google LLC
1600 Amphitheatre Parkway
Mountain View, CA 94043 U.S.A.

Model : G2YBB

FCC ID : A4RG2YBB

EUT Description : Phone

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

Date Of Issue:
2024-05-10

Prepared by:
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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	2024-05-06	Initial Issue	---
V2	2024-05-10	Revised report to address TCB's questions	Tina Chu

TABLE OF CONTENTS

REPORT REVISION HISTORY	2
TABLE OF CONTENTS	3
1. ATTESTATION OF TEST RESULTS	5
2. TEST RESULT SUMMARY	7
3. TEST METHODOLOGY	7
4. FACILITIES AND ACCREDITATION	7
5. DECISION RULES AND MEASUREMENT UNCERTAINTY	8
5.1. METROLOGICAL TRACEABILITY	8
5.2. DECISION RULES.....	8
5.3. MEASUREMENT UNCERTAINTY.....	8
5.4. SAMPLE CALCULATION	9
6. EQUIPMENT UNDER TEST	10
6.1. EUT DESCRIPTION	10
6.2. MAXIMUM OUTPUT POWER.....	10
6.3. DESCRIPTION OF AVAILABLE ANTENNAS	12
6.4. WORST-CASE CONFIGURATION AND MODE.....	13
7. MEASUREMENT METHOD.....	15
8. TEST AND MEASUREMENT EQUIPMENT	16
9. ANTENNA PORT TEST RESULTS	17
9.1. ON TIME AND DUTY CYCLE.....	17
9.2. 99% BANDWIDTH & 26 dB BANDWIDTH & 6 dB BANDWIDTH	18
9.2.1. 5.2 GHz BAND.....	19
9.2.2. 5.3 GHz BAND.....	21
9.2.3. 5.6 GHz BAND.....	23
9.2.4. 5.8 GHz BAND.....	26
9.2.5. 5.9 GHz BAND.....	28
9.3. OUTPUT POWER & POWER SPECTRAL DENSITY	30
9.3.1. 5.2 GHz BAND.....	34
9.3.2. 5.3 GHz BAND.....	36
9.3.3. 5.6 GHz BAND.....	39
9.3.4. 5.8 GHz BAND.....	42
9.3.5. 5.9 GHz BAND.....	44
10. RADIATED TEST RESULTS.....	49

10.1. TRANSMITTER ABOVE 1 GHz.....51

10.1.1. 802.11a MODE IN THE 5.2 GHz BAND.....51

10.1.2. 802.11n HT20 MODE IN THE 5.2 GHz BAND59

10.1.3. 802.11be EHT20 242T MODE IN THE 5.2 GHz BAND67

10.1.4. 802.11n HT40 MODE IN THE 5.2 GHz BAND75

10.1.5. 802.11be EHT40 484T MODE IN THE 5.2 GHz BAND81

10.1.6. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND87

10.1.7. 802.11be EHT80 996T MODE IN THE 5.2 GHz BAND91

10.1.8. 802.11a MODE IN THE 5.3 GHz BAND.....95

10.1.9. 802.11n HT20 MODE IN THE 5.3 GHz BAND103

10.1.10. 802.11be EHT20 242T MODE IN THE 5.3 GHz BAND111

10.1.11. 802.11n HT40 MODE IN THE 5.3 GHz BAND119

10.1.12. 802.11be EHT40 484T MODE IN THE 5.3 GHz BAND125

10.1.13. 802.11ac VHT80 MODE IN THE 5.3 GHz BAND131

10.1.14. 802.11be EHT80 996T MODE IN THE 5.3 GHz BAND135

10.1.15. 802.11ac VHT160 MODE IN THE 5.3 GHz BAND139

10.1.16. 802.11be EHT160 SU MODE IN THE 5.3 GHz BAND145

10.1.17. 802.11a MODE IN THE 5.6 GHz BAND.....151

10.1.18. 802.11n HT20 MODE IN THE 5.6 GHz BAND163

10.1.19. 802.11be EHT20 242T MODE IN THE 5.6 GHz BAND175

10.1.20. 802.11n HT40 MODE IN THE 5.6 GHz BAND187

10.1.21. 802.11be EHT40 484T MODE IN THE 5.6 GHz BAND199

10.1.22. 802.11ac VHT80 MODE IN THE 5.6 GHz BAND211

10.1.23. 802.11be EHT80 996T MODE IN THE 5.6 GHz BAND221

10.1.24. 802.11ac VHT160 MODE IN THE 5.6 GHz BAND231

10.1.25. 802.11be EHT160 SU MODE IN THE 5.6 GHz BAND237

10.1.26. 802.11a MODE IN THE 5.8 GHz BAND.....243

10.1.27. 802.11n HT20 MODE IN THE 5.8 GHz BAND253

10.1.28. 802.11be EHT20 242T MODE IN THE 5.8 GHz BAND263

10.1.29. 802.11n HT40 MODE IN THE 5.8 GHz BAND273

10.1.30. 802.11be EHT40 484T MODE IN THE 5.8 GHz BAND281

10.1.31. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND289

10.1.32. 802.11be EHT80 996T MODE IN THE 5.8 GHz BAND295

10.1.33. 802.11a MODE IN THE 5.9 GHz BAND.....301

10.1.34. 802.11n HT20 MODE IN THE 5.9 GHz BAND311

10.1.35. 802.11be EHT20 242T MODE IN THE 5.9 GHz BAND321

10.1.36. 802.11n HT40 MODE IN THE 5.9 GHz BAND331

10.1.37. 802.11be EHT40 484T MODE IN THE 5.9 GHz BAND339

10.1.38. 802.11ac VHT80 MODE IN THE 5.9 GHz BAND347

10.1.39. 802.11be EHT80 996T MODE IN THE 5.9 GHz BAND353

10.1.40. 802.11ac VHT160 MODE IN THE 5.9 GHz BAND359

10.1.41. 802.11be EHT160 SU MODE IN THE 5.9 GHz BAND365

10.2. WORST CASE BELOW 1 GHz371

11. AC POWER LINE CONDUCTED EMISSIONS.....373

12. DESCRIPTION OF TEST SETUP AND SETUP PHOTOS376

1. ATTESTATION OF TEST RESULTS

COMPANY NAME: Google LLC
 1600 Amphitheatre Parkway
 Mountain View, CA 94043 U.S.A.

EUT DESCRIPTION: Phone

MODEL NUMBER: G2YBB

SERIAL NUMBER: 41151FDAQ00070 (Conducted).
 41061FDAQ0003E, 41061FDAQ00047, 3C281FDAQ000B
 (Radiated)

SAMPLE RECEIPT DATE: 2023-11-29

DATE TESTED: 2024-01-10 to 2024-05-08

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart E	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 For
UL Verification Services Inc. By:



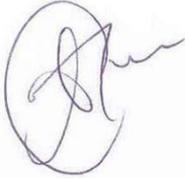
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2. TEST RESULT SUMMARY

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)

FCC Clause	Requirement	Result	Comment
See Comment	Duty Cycle	Reporting purposes only	Per ANSI C63.10, Section 12.2.
See Comment	26dB BW/99% OBW	Reporting purposes only	Per ANSI C63.10 Sections 6.9.2 and 6.9.3
15.407 (e)	6 dB BW	Complies	None.
15.407 (a) (1-4), (h) (1)	Output Power	Complies	None.
15.407 (a) (1-3, 5)	PSD	Complies	None.
15.209, 15.205, 15.407 (b)	Radiated Emissions	Complies	None.
15.207	AC Mains Conducted Emissions	Complies	None.

3. TEST METHODOLOGY

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

- FCC CFR 47 Part 2
- FCC CFR 47 Part 15,
- FCC KDB 662911 Measurement of Transmitters with Multiple Output, MIMO
- FCC KDB 905462 D02/D03/D06
- FCC KDB 789033 D02 UNII Test Procedures New Rules
- KDB 414788 D01 Radiated Test Site
- KDB 291074 D02 EMC Measurement v01 for 5.9GHz Device
- ANSI C63.10-2013

4. FACILITIES AND ACCREDITATION

UL Verification Services Inc. is accredited by A2LA, Certificate Number 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
<input type="checkbox"/>	Building 1: 47173 Benicia Street, Fremont, CA 94538, USA	US0104	2324A	550739
<input type="checkbox"/>	Building 2: 47266 Benicia Street, Fremont, CA 94538, USA			
<input type="checkbox"/>	Building 3: 843 Auburn Court, Fremont, CA 94538, USA			
<input checked="" type="checkbox"/>	Building 4: 47658 Kato Rd, Fremont, CA 94538, USA			
<input checked="" type="checkbox"/>	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}
Radio Frequency (Spectrum Analyzer)	141.16 Hz
Occupied Bandwidth	1.22%
Power Spectral Density	2.47 dB
RF Power Measurement Direct Method Using Power Meter	1.3 dB (PK) / 0.45 dB (AV)
RF Power Measurement Using Spectrum Analyzer	0.33dB
Unwanted Emissions, Conducted	1.94 dB
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
Time Domain Measurements	3.39%
Temperature	0.57°C
Humidity	3.39%
DC Supply Voltages	0.57%

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 EUT is a phone.

6.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum conducted output power as follows:

5.2 GHz BAND (FCC)

Band	Mode	Min Frequency (MHz)	Max Frequency (MHz)	Output Power (dBm)	Output Power (mW)
UNII_1 (FCC)	11a	5180	5240	20.28	106.66
	11n HT20			20.08	101.86
	11be EHT20			19.70	93.33
	11n HT40	5190	5230	23.39	218.27
	11be EHT40			22.68	185.35
	11ac VHT80	5210	5210	14.55	28.51
	11be EHT80			13.79	23.93

5.3/5.6/5.8 GHz BAND

Band	Mode	Min Frequency (MHz)	Max Frequency (MHz)	Output Power (dBm)	Output Power (mW)
UNII_2A	11a	5260	5320	20.63	115.61
	11n HT20			20.65	116.14
	11be EHT20			20.83	121.06
	11n HT40	5270	5310	23.24	210.86
				11be EHT40	23.05
	11ac VHT80	5290	5290	13.53	22.54
	11be EHT80			13.37	21.73
	11ac VHT160	5250	5250	14.79	30.13
	11be EHT160			14.62	28.97
UNII_2C	11a	5500	5720	20.07	101.62
	11n HT20			20.67	116.68
	11be EHT20			20.51	112.46
	11n HT40	5510	5710	23.27	212.32
				11be EHT40	22.57
	11ac VHT80	5530	5690	18.30	67.61
	11be EHT80			18.41	69.34
	11ac VHT160	5570	5570	11.98	15.78
	11be EHT160			12.50	17.78
UNII_3	11a	5745	5825	24.17	261.22
	11n HT20			23.46	221.82
	11be EHT20			23.53	225.42
	11n HT40	5755	5795	23.96	248.89
				11be EHT40	23.75
	11ac VHT80	5775	5775	23.19	208.45
	11be EHT80			23.17	207.49

5.9GHz BAND

Band	Mode	Min Frequency (MHz)	Max Frequency (MHz)	EIRP Output Power (dBm)	EIRP Output Power (mW)
UNII_4	11a	5845	5885	21.14	130.02
	11n HT20			20.76	119.12
	11be EHT20			21.21	132.13
	11n HT40	5835	5875	22.89	194.54
				11be EHT40	22.98
	11ac VHT80	5855	5855	18.03	63.53
	11be EHT80			20.39	109.40
	11ac VHT160	5815	5815	18.65	73.28
	11be EHT160			18.26	66.99

6.3. DESCRIPTION OF AVAILABLE ANTENNAS

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

The radio utilizes one IFA antenna (Ant4) and one ILA antenna (Ant3) for unlicensed radios.

Band	Antenna Peak Gain	
	Tx0 (Ant4) (dBi)	Tx1 (Ant3) (dBi)
5180-5240	-6.3	-0.9
5260-5320	-3.5	-0.9
5500-5720	-3.2	-1.8
5745-5825	-3.5	-1.1
5850-5895	-3.5	-1.3

6.4. WORST-CASE CONFIGURATION AND MODE

EUT supports 5G 802.11a, n, ac, ax, be MIMO with MRU and channel puncturing features. The following are used for investigations.

MRU:

Bandwidth	RU Size
20MHz	52+26
	106+26

Puncturing:

Bandwidth	RU Size
80MHz	484+242
160MHz	996+484
	996+484+242

802.11ac VHT20 and VHT40 is either same or lower power as 802.11n HT20 and 802.11n HT40, so 802.11n HT20 and 802.11n HT40 were tested as worst case.

For 802.11ax and 802.11be investigation was performed on SU and Full tone, and it was determined that 802.11be Full tone mode is the worst case. The modulation and bandwidth of 802.11ax and 802.11be modes are similar at 20 MHz (40 MHz, 80 MHz, 160 MHz), and the target power of 802.11ax mode is equal to 802.11be mode, so 802.11be mode is performed in the test to represent worst-case reporting.

Investigation has been performed on power and PSD, partial RU/MRU/Punctured are lower than Full tone. Also, investigation performed on bandedge and spurious emissions on Full tone and 26 Tone, 802.11be Full tone is the worse case and set for all testing with additional spot check on partial RU/MRU/ Punctured power/PSD combinations.

Note that 160MHz SU (2x996) is tested as worse case due to Full tone only supports 1x996.

Radiated emissions below 1GHz, 1GHz to 18GHz, above 18GHz, and power line conducted emission were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario. There were no emissions found with less than 20dB of margin from 9kHz to 30MHz and above 18GHz.

5G simultaneous transmission with the Bluetooth/2.4G WLAN + Cellular was investigated, and no noticeable emission was found.

Investigation was performed with/without adapter. Also, the fundamental of the EUT was investigated in three orthogonal orientations X,Y,Z, the following is the worst-case orientation:

- For 2Tx: Y (Landscape) orientation was worst-case orientation with adapter

Worst-case data rates as provided by the client were:

- 802.11a mode: 6Mbps
- 802.11n HT20 mode: MCS0
- 802.11n HT40 mode: MCS0
- 802.11ac VHT20 mode: MCS0
- 802.11ac VHT40 mode: MCS0
- 802.11ac VHT80 mode: MCS0
- 802.11ac VHT160 mode: MCS0
- 802.11ax HE20 mode: MCS0
- 802.11ax HE40 mode: MCS0
- 802.11ax HE80 mode: MCS0
- 802.11ax HE160 mode: MCS0
- 802.11be EHT20 mode: MCS0
- 802.11be EHT40 mode: MCS0
- 802.11be EHT80 mode: MCS0
- 802.11be EHT160 mode: MCS0

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

7. MEASUREMENT METHOD

On Time and Duty Cycle: KDB 789033 D02 v02r01, Section B.

6 dB Emission BW: KDB 789033 D02 v02r01, Section C.2

26 dB Emission BW: KDB 789033 D02 v02r01, Section C.1

99% Occupied BW: KDB 789033 D02 v02r01, Section D.

Conducted Output Power: KDB 789033 D02 v02r01, Section II E.2.d (Method SA-2).

Power Spectral Density (PSD): KDB 789033 D02 v02r01, Section F.3.a (Method SA-2).

Unwanted emissions in restricted bands: KDB 789033 D02 v02r01, Sections G.3, G.4, G.5, and G.6.

Unwanted emissions in non-restricted bands: KDB 789033 D02 v02r01, Sections G.3, G.4, and G.5.

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

Radiated Spurious Emissions Below 30MHz: ANSI C63.10-2013 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	Last Cal
Antenna, Passive Loop 30Hz - 1MHz	ELECTRO METRICS	EM-6871	219908	2024-09-30	2023-09-30
Antenna, Passive Loop 100KHz - 30MHz	ELECTRO METRICS	EM-6872	219910	2024-05-31	2023-05-31
Antenna, Broadband Hybrid, 30MHz to 2000MHz	Sunol Sciences Corp.	JB1	80293	*2024-04-30	2023-04-11
Amplifier, 9KHz to 1GHz, 32dB	SONOMA INSTRUMENT	310	213877	2024-12-31	2023-12-31
Antenna, Horn 1-18GHz (Chamber T)	ETS-Lindgren	3117	226673	*2024-01-31	2023-01-09
Antenna, Horn 1-18GHz (Chamber T)	ETS-Lindgren	3117	226673	2026-02-28	2024-02-09
Antenna, Horn 1-18GHz (Chamber T)	ETS-Lindgren	3117	80430	2024-08-31	2023-08-31
Antenna, Horn 1-18GHz (Chamber I)	ETS-Lindgren	3117	84797	2024-09-30	2023-09-30
Antenna, Horn 1-18GHz (Chamber J)	ETS-Lindgren	3117	222741	2024-08-31	2023-08-31
RF Filter Box, 1-18GHz (Chamber T)	UL-FR1	RATS 2	226781	2024-09-30	2023-09-30
RF Filter Box, 1-18GHz (Chamber I)	UL-FR1	NA	171389	2024-05-31	2023-05-31
RF Filter Box, 1-18GHz (Chamber J)	UL-FR1	NA	171875	2024-05-31	2023-05-31
EMI TEST RECEIVER (Chamber T)	Rohde & Schwarz	ESW44	169935	2025-02-28	2024-02-28
EMI TEST RECEIVER (Chamber I)	Rohde & Schwarz	ESW44	201497	2025-02-28	2024-02-28
EMI TEST RECEIVER (Chamber J)	Rohde & Schwarz	ESW44	171875	2024-05-31	2023-05-31
EMI TEST RECEIVER (Chamber K)	Rohde & Schwarz	ESW44	225688	2025-02-11	2024-02-11
Antenna, Horn 18 to 26.5GHz	A.R.A.	MWH-1826/B	199659	2024-12-31	2023-12-31
Amplifier 18-26.5GHz, +5Vdc, -54dBm P1dB	AMPLICAL	AMP18G26.5-60	234683	*2024-03-31	2023-03-29
Antenna, Horn 26.5 to 40GHz	A.R.A.	MWH-2640/B	199660	2025-02-28	2024-02-28
RF Device, Active, Amplifier	AMPLICAL	AMP26G40-60	224141	2025-01-31	2024-01-31
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030B	222074	2024-08-31	2023-08-31
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030B	222073	2024-08-31	2023-08-31
10dB Fixed Attenuator, up to 26GHz	Pasternack Enterprises	PE7087-10	236189	Verified/characterized before use	
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	222073	2024-08-31	2023-08-31
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	222074	2024-08-31	2023-08-31
AC Line Conducted					
LISN	Fischer Custom Communications, Inc	FCC-LISN-50/250-25-2-01-480V	175765	2025-01-31	2024-01-31
EMI TEST RECEIVER	Rohde & Schwarz	ESR	171646	2025-02-28	2024-02-28
Transient Limiter	TE	TBFL1	127455	2025-02-28	2024-02-28
UL TEST SOFTWARE LIST					
Radiated Software	UL	UL EMC	Ver 2023-01-18, 2023-03-03, 2023-05-01		
Antenna Port Software	UL	UL RF	Ver 2022-08-16		
AC Line Conducted Software	UL	UL EMC	Rev 9.5, 2022-02-17		

*Test was performed before calibration due date

9. ANTENNA PORT TEST RESULTS

9.1. ON TIME AND DUTY CYCLE

LIMITS

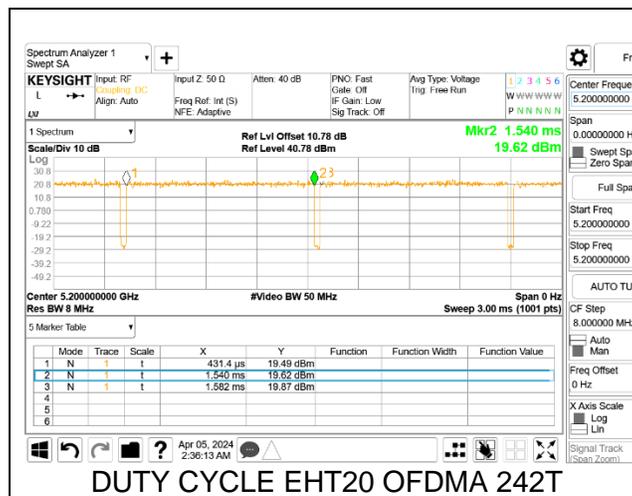
None; for reporting purposes only.

PROCEDURE

KDB 558074 Zero-Span Spectrum Analyzer Method.

ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time T (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	DCCF (dB)	1/T Minimum VBW (kHz)
802.11a	6.856	6.872	1.00	99.77	0.00	0.01
802.11n CDD HT20	5.728	5.744	1.00	99.72	0.00	0.01
802.11be OFDMA EHT20 242T	1.54	1.582	0.97	97.35	0.12	0.65
802.11be OFDMA EHT20 106T	1.534	1.629	0.94	94.17	0.26	0.65
802.11be OFDMA EHT20 52T	2.227	2.257	0.99	98.67	0.00	0.01
802.11be OFDMA EHT20 26T	2.425	2.455	0.99	98.78	0.00	0.01
802.11be OFDMA EHT20 52T + 26T	5.311	5.351	0.99	99.25	0.00	0.01
802.11be OFDMA EHT20 106T + 26T	2.425	2.473	0.98	98.06	0.00	0.01
802.11n CDD HT40	2.531	2.558	0.99	98.94	0.00	0.01
802.11be OFDMA EHT40 484T	1.036	1.09	0.95	95.05	0.22	0.97
802.11ac CDD VHT80	1.603	1.627	0.99	98.52	0.00	0.01
802.11be OFDMA EHT80 996T	0.4564	0.4947	0.92	92.26	0.35	2.19
802.11be OFDMA EHT80 484T + 242T Puncture 20MHz	0.452	0.478	0.95	94.56	0.24	2.21
802.11ac CDD VHT160	1.171	1.191	0.98	98.32	0.00	0.01
802.11be OFDMA EHT160 SU	0.443	0.481	0.92	92.10	0.36	2.26
802.11be OFDMA EHT160 996T + 484T Puncture 40MHz	0.52	0.55	0.95	94.55	0.24	1.92
802.11be OFDMA EHT160 996T + 484T + 242T Puncture 20MHz	0.452	0.478	0.95	94.56	0.24	2.21



9.2. 99% BANDWIDTH & 26 dB BANDWIDTH & 6 dB BANDWIDTH

99% BANDWIDTH LIMITS

None; for reporting purposes only.

26dB BANDWIDTH LIMITS

None; for reporting purposes only.

6 dB BANDWIDTH LIMITS

FCC §15.407 (e)

The minimum 6 dB bandwidth shall be at least 500 kHz.

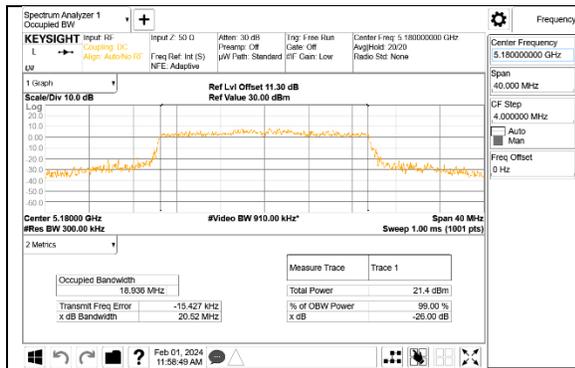
RESULTS

Test Engineer:	NM 19232, HN 27979, 32480 BY
Test Date:	2024-02-01 TO 2024-05-03

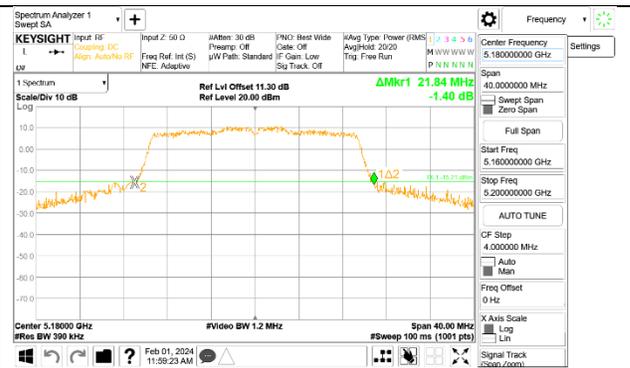
9.2.1. 5.2 GHz BAND

2TX Tx0 + Tx1 CDD MODE

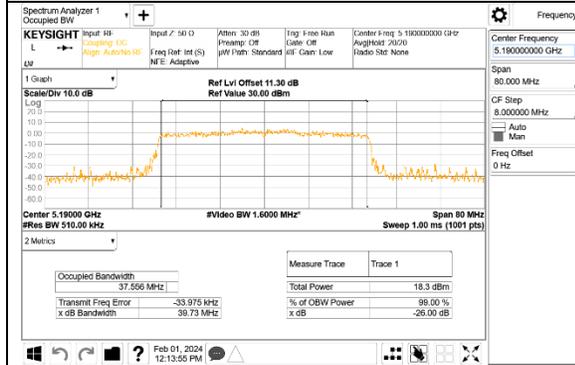
Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	99% Bandwidth (MHz)		26dB Bandwidth (MHz)	
							Tx0	Tx1	Tx0	Tx1
5.2	2	11a	36	5180			16.570	16.543	23.600	21.040
			40	5200			16.661	16.659	24.560	27.600
			48	5240			16.733	16.702	27.360	27.640
			36	5180			17.804	17.744	21.680	21.120
			40	5200			17.815	17.797	29.760	27.360
			48	5240			17.959	17.927	28.440	26.120
		11n HT20	36	5180	242T	61	18.936	18.970	21.840	21.560
			40	5200			18.977	18.944	24.520	24.960
			48	5240			18.899	18.956	24.240	27.600
		11n HT40	38	5190			36.166	36.168	41.120	41.120
			46	5230			36.206	36.131	41.200	40.960
		11be EHT20	38	5190	484T	65	37.556	37.786	40.960	40.800
			46	5230			37.586	37.641	41.040	40.800
		11ac VHT80	42	5210			75.740	75.820	83.200	83.040
11be EHT80	42	5210	996T	67	77.148	77.033	83.040	82.240		



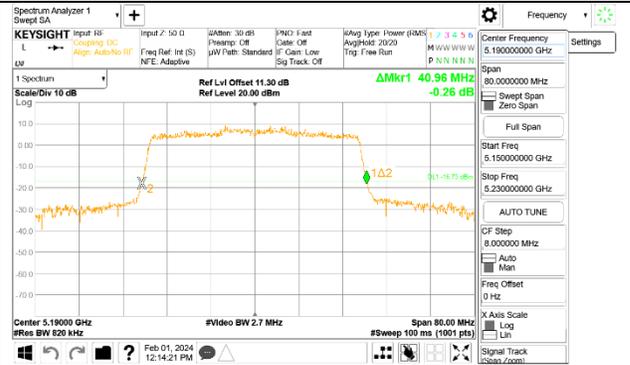
11be EHT20 LOW CHANNEL TX0 99% Bandwidth



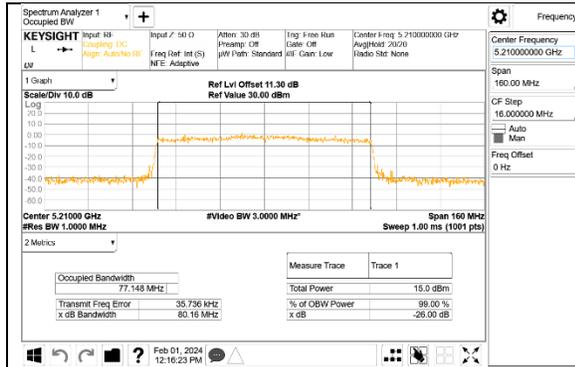
11be EHT20 LOW CHANNEL TX0 26dB Bandwidth



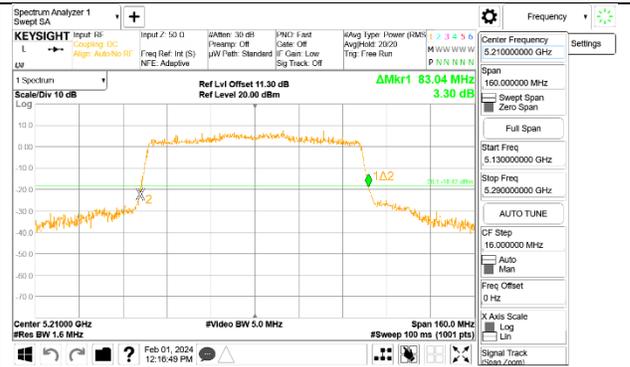
11be EHT40 LOW CHANNEL TX0 99% Bandwidth



11be EHT40 LOW CHANNEL TX0 26dB Bandwidth



11be EHT80 MID CHANNEL TX0 99% Bandwidth

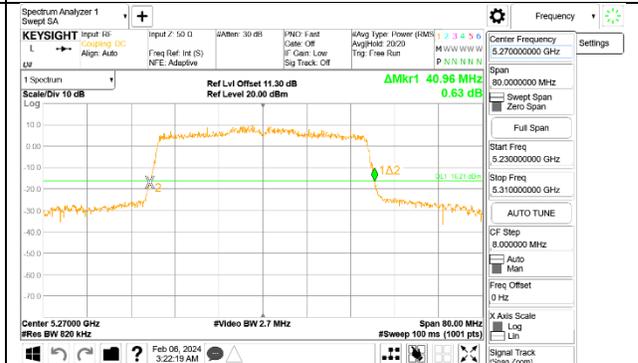
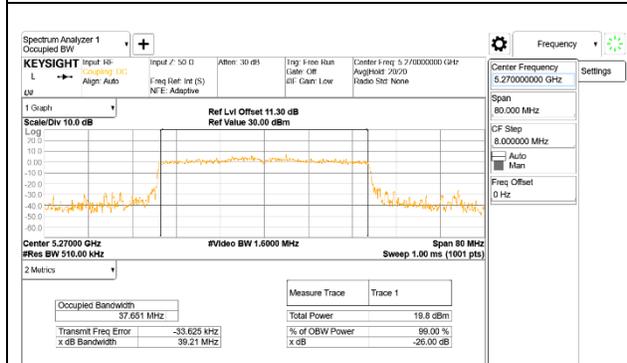
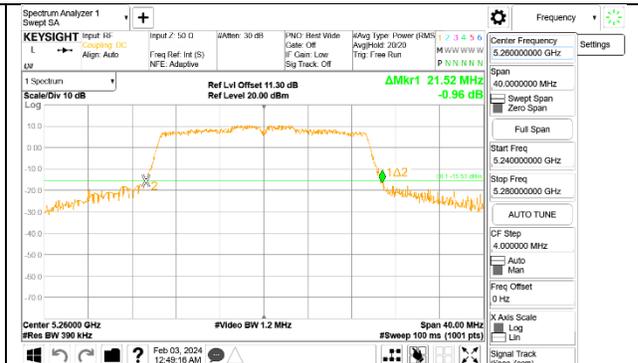
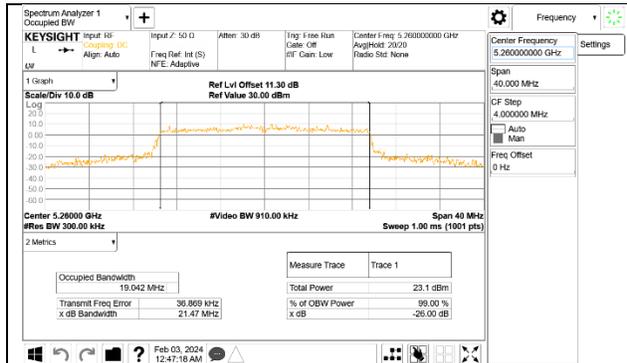


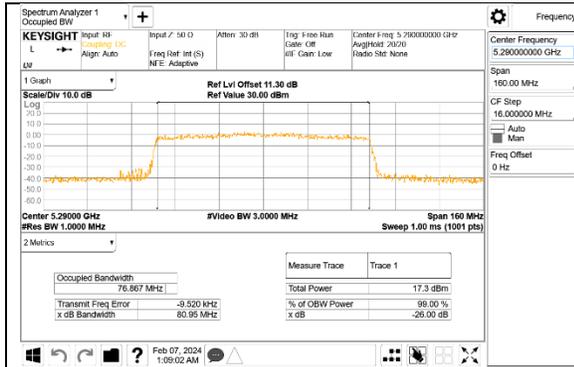
11be EHT80 MID CHANNEL TX0 26dB Bandwidth

9.2.2. 5.3 GHz BAND

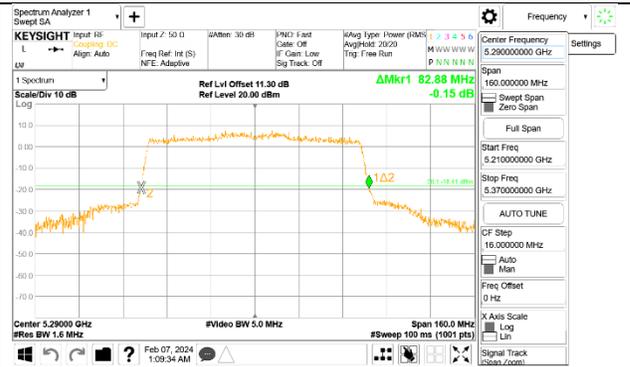
2TX Tx0 + Tx1 CDD MODE

Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	99% Bandwidth (MHz)		26dB Bandwidth (MHz)	
							Tx0	Tx1	Tx0	Tx1
5.3	2	11a	52	5260			16.872	16.645	23.560	21.640
			60	5300			16.758	16.657	22.640	21.360
			64	5320			16.813	16.716	21.560	21.400
		11n HT20	52	5260			17.813	17.765	22.360	22.880
			60	5300			17.831	17.746	21.680	21.720
			64	5320			17.936	17.803	22.280	21.840
		11be EHT20	52	5260			19.042	18.943	21.520	21.880
			60	5300	242T	61	19.005	18.905	21.760	21.960
			64	5320			18.954	19.014	21.560	21.760
		11n HT40	54	5270			36.208	36.200	41.120	40.720
			62	5310			36.183	36.150	41.120	40.880
		11be EHT40	54	5270			37.651	37.606	40.960	40.960
			62	5310	484T	65	37.541	37.648	40.960	40.880
		11ac VHT80	58	5290			75.608	75.487	83.200	82.880
11be EHT80	58	5290			76.867	76.753	82.880	83.040		
11ac VHT160	50	5250			154.680	154.480	167.360	167.360		
11be EHT160	50	5250			155.990	156.450	169.600	168.000		
					SU					

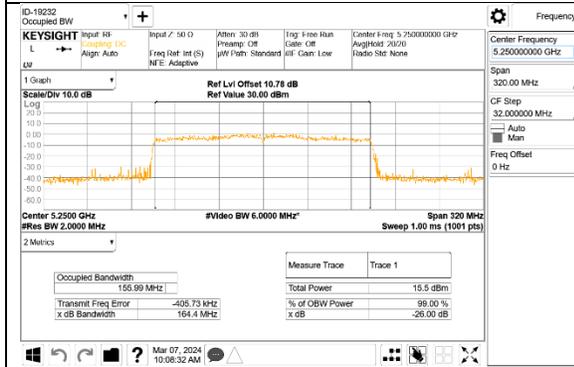




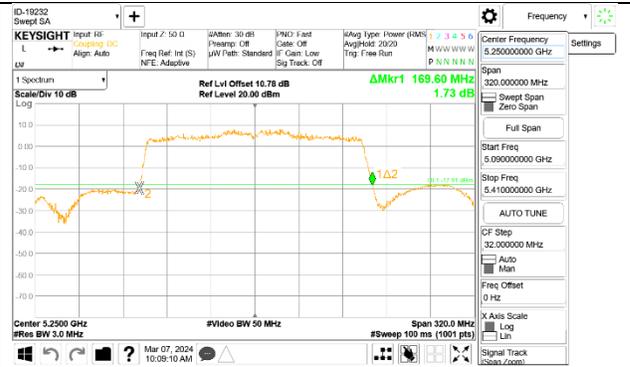
11be EHT80 MID CHANNEL TX0 99% Bandwidth



11be EHT80 MID CHANNEL TX0 26dB Bandwidth



11be EHT160 MID CHANNEL TX0 99% Bandwidth

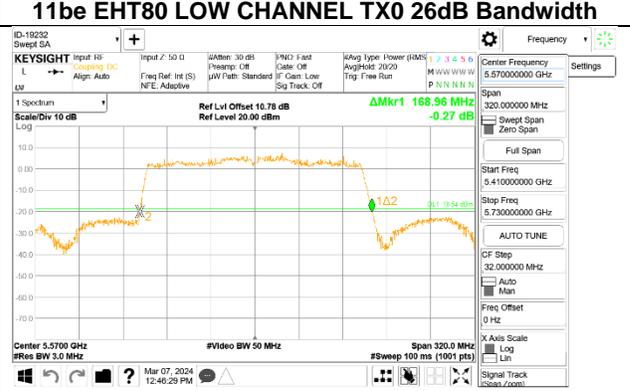
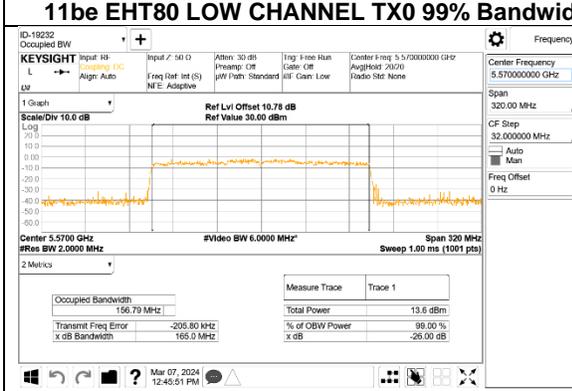
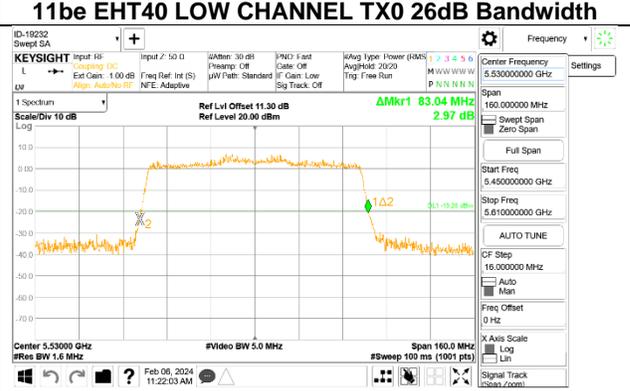
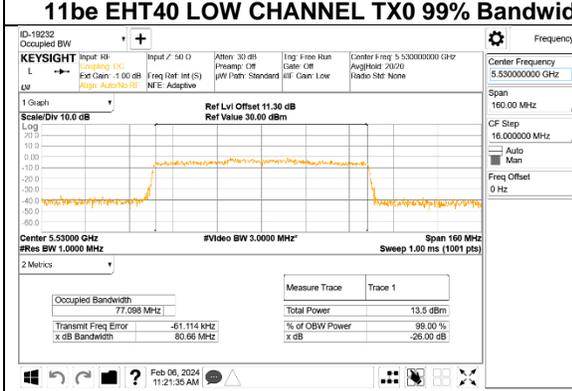
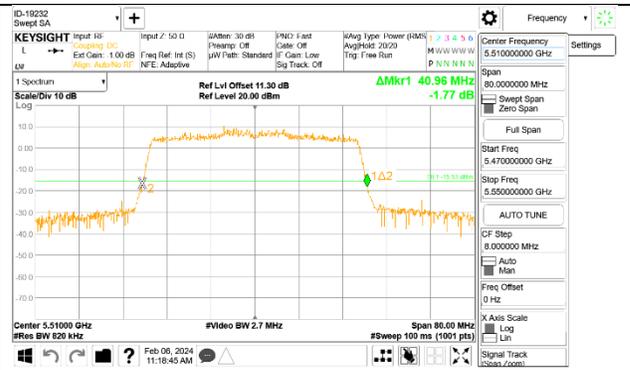
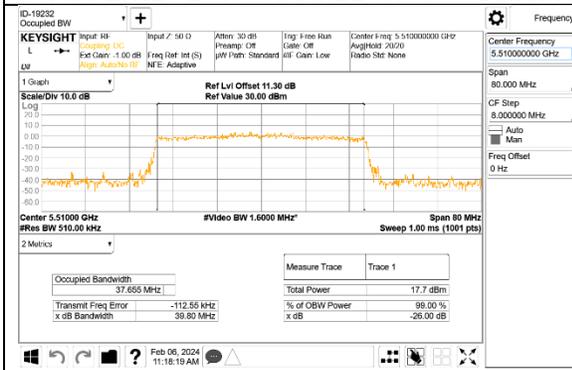
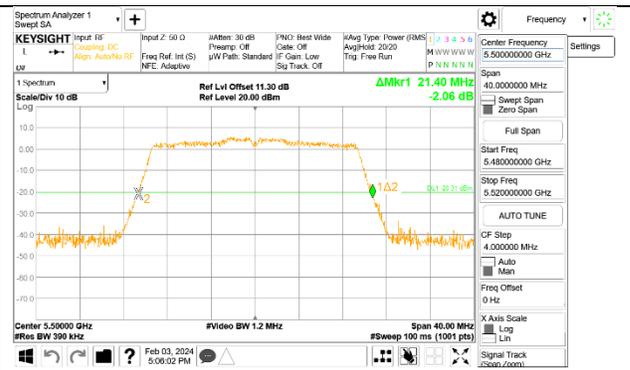
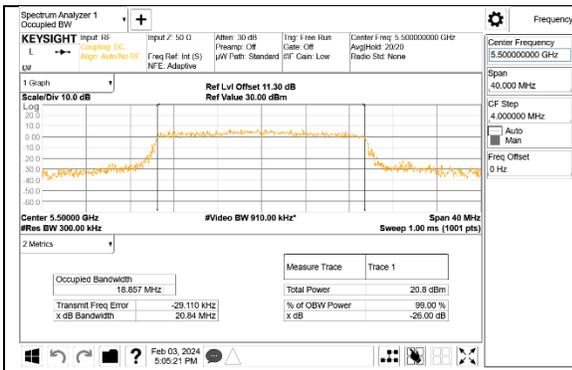


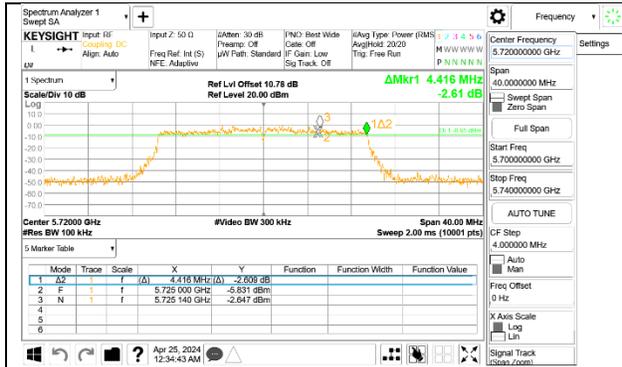
11be EHT160 MID CHANNEL TX0 26dB Bandwidth

9.2.3. 5.6 GHZ BAND

2TX Tx0 + Tx1 CDD MODE

Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6dB Bandwidth (MHz)		6dB Minimum Limit (MHz)
							Tx0	Tx1	Tx0	Tx1	Tx0	Tx1	
5.6	2	11a	100	5500			16.618	16.621	23.160	21.040			
			116	5580			16.699	16.575	23.880	21.320			
			140	5700			16.613	16.605	21.240	21.280			
			144	5720			16.677	16.556	21.240	21.280			
		11n HT20	100	5500			17.846	17.737	21.560	21.280	3.244	3.228	0.5
			116	5580			17.841	17.737	21.640	21.240			
			140	5700			17.741	17.767	21.720	21.120			
			144	5720			17.831	17.804	21.520	21.160			
		100	5500	18.857			18.908	21.400	21.280	3.836			
		11be EHT20	116	5580			18.898	18.879	21.560	21.560			
			140	5700			18.906	18.868	21.480	21.120			
			144	5720			18.934	18.935	21.440	21.280			
			100	5500					4.416	4.448			
		26T	116	5580			0						
			140	5700			4						
			144	5720			8						
												1.980	2.004
		11n HT40	102	5510	36.137	36.209	40.880	40.640					
			110	5550	36.179	36.146	41.040	40.720					
			134	5670	36.328	36.252	57.440	45.440					
			142	5710	39.346	36.597	63.520	72.400				3.160	2.504
		11be EHT40	102	5510	37.655	37.682	40.960	41.040					
			110	5550	37.737	37.609	41.040	40.720					
			134	5670	37.631	37.696	41.600	41.120					
142	5710		37.551	37.745	41.200	40.880	3.568	4.056				0.5	
11ac VHT80	106	5530	75.774	75.817	83.200	82.880							
	122	5610	75.667	75.812	83.200	83.200							
	138	5690	77.677	75.838	83.200	83.040				3.112	2.728	0.5	
11be EHT80	106	5530	77.098	76.880	83.040	82.720							
	122	5610	77.118	77.039	84.160	83.200							
	138	5690	76.903	76.894	82.720	82.880				3.976	3.720	0.5	
11ac VHT160	114	5570	154.980	154.970	167.360	166.400							
11be EHT160	114	5570	SU		156.790	156.750	168.960	167.360					





11be EHT20 LOW CHANNEL TX0 6dB Bandwidth



11be EHT40 LOW CHANNEL TX0 6dB Bandwidth



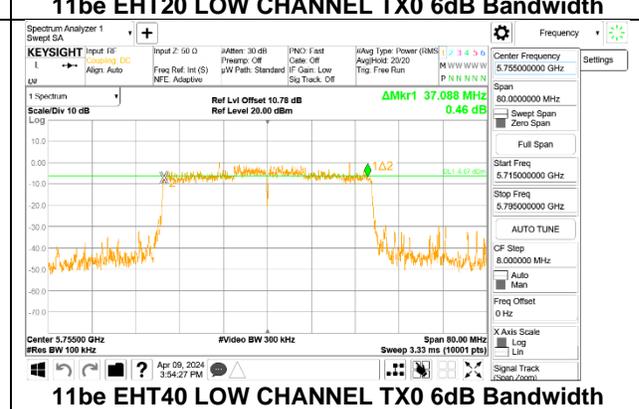
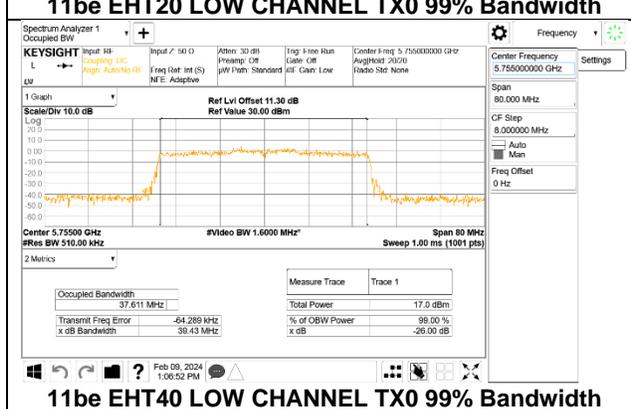
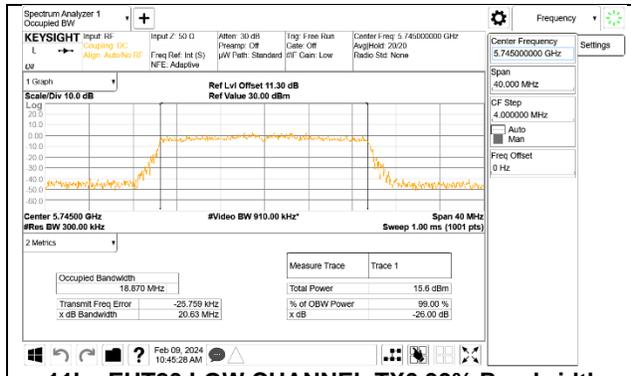
11be EHT80 LOW CHANNEL TX0 6dB Bandwidth

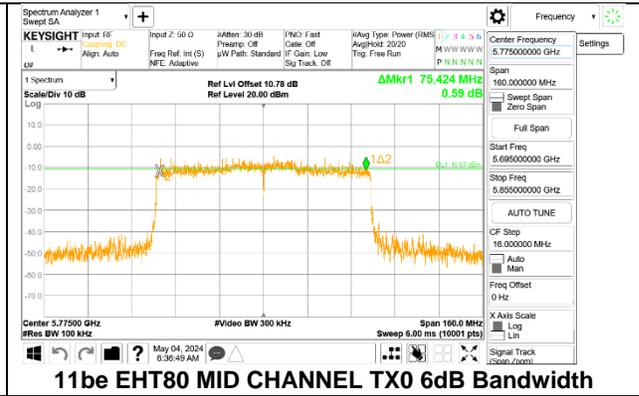
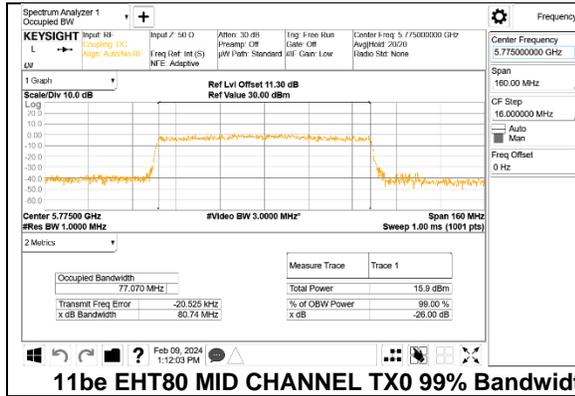
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9.2.4. 5.8 GHz BAND

2TX Tx0 + Tx1 CDD MODE

Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	99% Bandwidth (MHz)		6dB Bandwidth (MHz)		6dB Minimum Limit (MHz)		
							Tx0	Tx1	Tx0	Tx1			
5.8	2	11a	149	5745	242T	61	16.723	16.541	16.336	16.344	0.5		
			157	5785			16.659	16.653	16.360	16.352	0.5		
			165	5825			16.610	16.586	16.312	16.332	0.5		
		11n HT20	149	5745			17.716	17.791	17.628	17.600	0.5		
			157	5785			17.720	17.791	17.612	17.564	0.5		
			165	5825			17.799	17.742	17.664	17.612	0.5		
		11be EHT20	149	5745			18.870	18.912	18.768	18.780	0.5		
			157	5785			18.899	18.879	18.828	17.424	0.5		
			165	5825			18.892	18.916	18.676	18.824	0.5		
			149	5745					1.964	2.008	0.5		
		11n HT40	151	5755					2.560	2.512	0.5		
			159	5795					2.004	2.052	0.5		
			151	5755					36.132	36.155	35.032	36.360	0.5
		11be EHT40	151	5755					36.236	36.206	36.320	36.328	0.5
			159	5795					37.611	37.660	37.088	36.680	0.5
		11ac VHT80	155	5775					37.532	37.668	37.512	36.992	0.5
11be EHT80	155	5775			75.773	75.823	75.968	75.632	0.5				
			155	5775	996T	67	77.070	77.071	75.424	75.504	0.5		

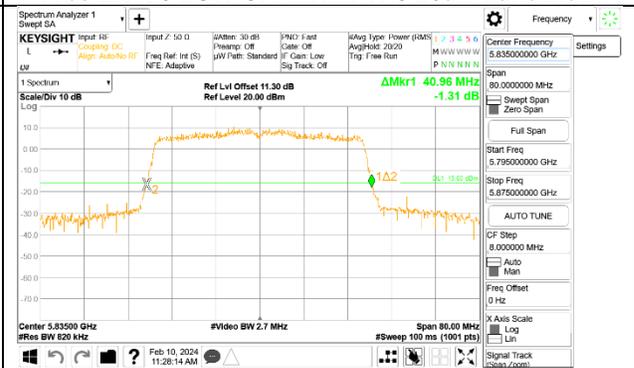
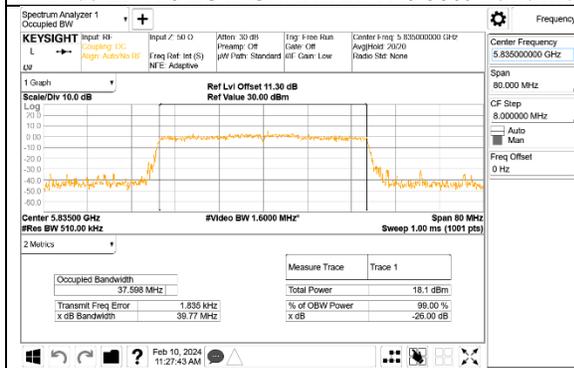
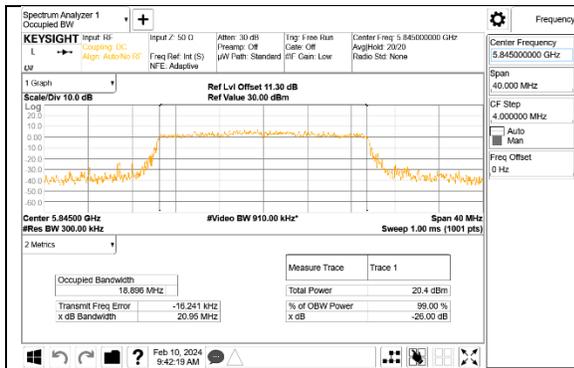


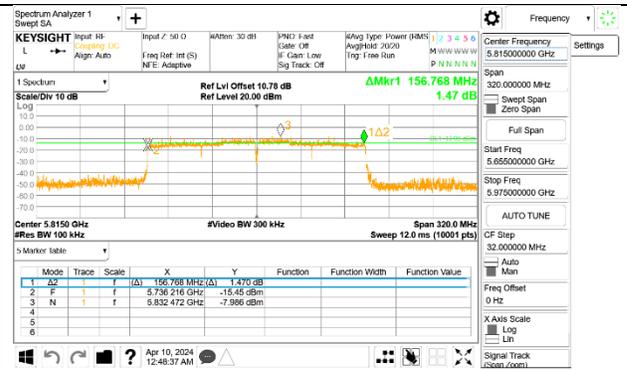
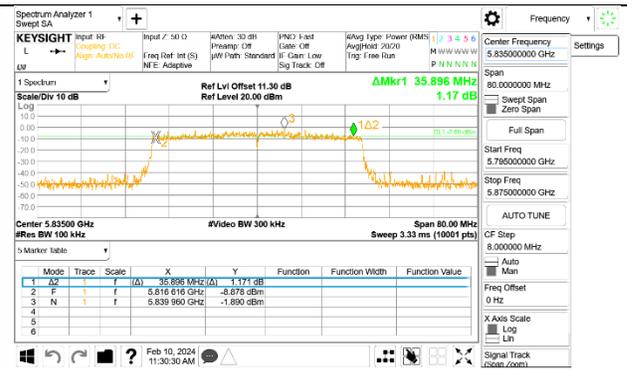
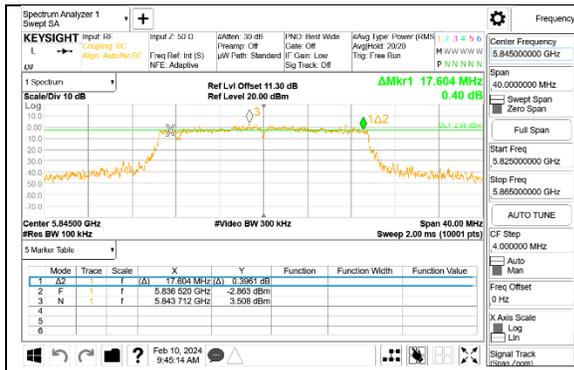
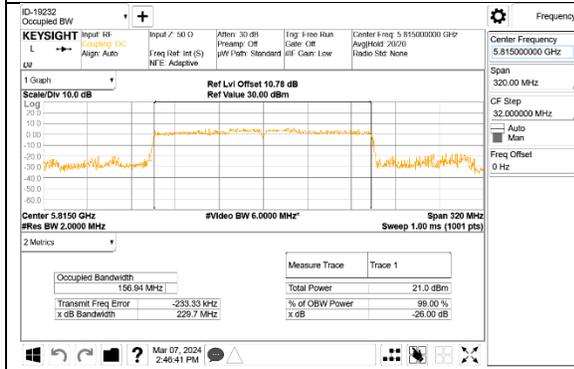
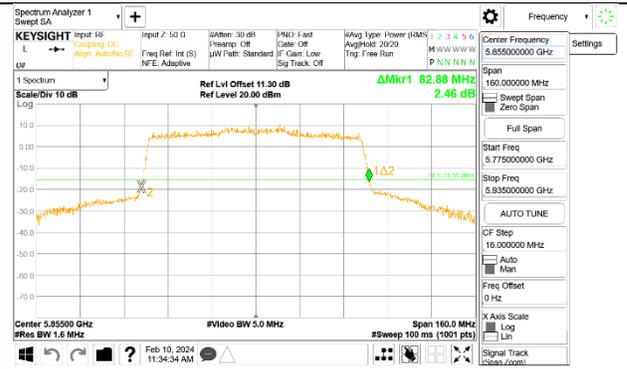
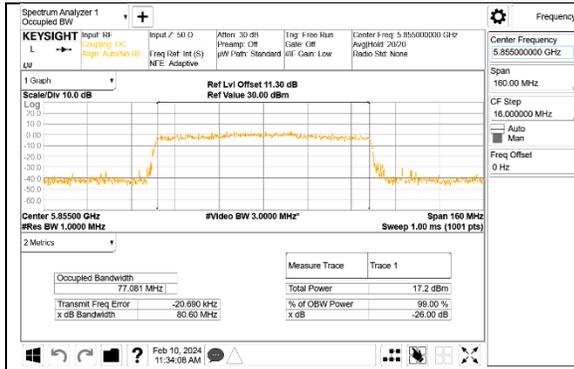


9.2.5. 5.9 GHz BAND

2TX Tx0 + Tx1 CDD MODE

Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6dB Bandwidth (MHz)		6dB Minimum Limit (MHz)		
							Tx0	Tx1	Tx0	Tx1	Tx0	Tx1			
5.9	2	11a	169	5845			16.521	16.621	21.320	21.120	16.336	16.348	0.5		
			173	5865			16.601	16.528	21.280	21.040	16.360	16.368	0.5		
			177	5885			16.655	16.568	21.320	21.160	16.356	16.336	0.5		
		11n HT20	169	5845			17.724	17.765	21.520	21.160	17.300	17.560	0.5		
			173	5865			17.743	17.780	21.560	21.160	17.648	17.640	0.5		
			177	5885			17.747	17.780	21.520	21.160	17.576	17.240	0.5		
		11be EHT20	169	5845			242T	61	18.896	18.955	21.480	21.520	17.604	17.040	0.5
			173	5865					18.966	18.886	21.480	21.520	18.864	17.916	0.5
			177	5885					18.870	18.917	21.520	21.320	18.888	19.012	0.5
			173	5865			26T	0			1.988	2.004	0.5		
			177	5885							2.648	2.564	0.5		
			169	5845							2.022	2.072	0.5		
		11n HT40	167	5835			484T	65	36.164	36.110	40.960	40.880	36.352	34.448	0.5
			175	5875					36.192	36.056	41.120	40.960	35.920	36.328	0.5
		11be EHT40	167	5835			484T	65	37.598	37.635	40.960	40.800	35.896	36.464	0.5
			175	5875					37.588	37.505	41.280	40.800	37.456	37.176	0.5
11ac VHT80	171	5855	996T	67	75.671	75.549	83.040	82.680	71.040	74.960	0.5				
11be EHT80	171	5855			77.081	77.023	82.880	82.880	75.744	75.696	0.5				
11ac VHT160	163	5815			155.460	155.210	167.360	167.360	152.608	155.200	0.5				
11be EHT160	163	5815	SU		156.940	156.530	168.960	168.000	156.768	156.000	0.5				





9.3. OUTPUT POWER & POWER SPECTRAL DENSITY

LIMITS

FCC §15.407

Band 5.15–5.25 GHz

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Bands 5.25-5.35 GHz and 5.47-5.725 GHz

The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Band 5.725-5.85 GHz

The maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information.

Band 5850-5895 GHz

For client devices operating under the control of an indoor access point in the 5.850-5.895 GHz band, the maximum power spectral density must not exceed 14 dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm. Client devices operating on a channel that spans the 5.725-5.850 GHz and 5.850-5.895 GHz bands must not exceed an e.i.r.p. of 30 dBm.

DIRECTIONAL ANTENNA GAIN

For 2 TX:

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting CDD in all MIMO modes. The directional gains are as follows:

Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	Tx0 Gain (dBi)	Tx1 Gain (dBi)	Uncorrelated Directional Gain (dBi)	Correlated Directional Gain (dBi)	FCC Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)
5.2	2	11a	36	5180			-6.30	-0.90	-2.81	-0.18	24.00	11.00
			40	5200			-6.30	-0.90	-2.81	-0.18	24.00	11.00
			48	5240			-6.30	-0.90	-2.81	-0.18	24.00	11.00
		11n HT20	36	5180			-6.30	-0.90	-2.81	-0.18	24.00	11.00
			40	5200			-6.30	-0.90	-2.81	-0.18	24.00	11.00
			48	5240			-6.30	-0.90	-2.81	-0.18	24.00	11.00
		11be EHT20	36	5180			-6.30	-0.90	-2.81	-0.18	24.00	11.00
			40	5200	242T	61	-6.30	-0.90	-2.81	-0.18	24.00	11.00
			48	5240			-6.30	-0.90	-2.81	-0.18	24.00	11.00
		11n HT40	38	5190			-6.30	-0.90	-2.81	-0.18	24.00	11.00
			46	5230			-6.30	-0.90	-2.81	-0.18	24.00	11.00
		11be EHT40	38	5190			-6.30	-0.90	-2.81	-0.18	24.00	11.00
			46	5230	484T	65	-6.30	-0.90	-2.81	-0.18	24.00	11.00
		11ac VHT80	42	5210			-6.30	-0.90	-2.81	-0.18	24.00	11.00
11be EHT80	42	5210			996T	67	-6.30	-0.90	-2.81	-0.18	24.00	11.00

Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	Min 26% BW (MHz)	Tx0 Gain (dBi)	Tx1 Gain (dBi)	Uncorrelated Directional Gain (dBi)	Correlated Directional Gain (dBi)	FCC Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)
5.3	2	11a	52	5260			21.640	-3.50	-0.90	-2.01	0.91	24.00	11.00
			60	5300			21.360	-3.50	-0.90	-2.01	0.91	24.00	11.00
			64	5320			21.400	-3.50	-0.90	-2.01	0.91	24.00	11.00
		11n HT20	52	5260			22.360	-3.50	-0.90	-2.01	0.91	24.00	11.00
			60	5300			21.680	-3.50	-0.90	-2.01	0.91	24.00	11.00
			64	5320			21.840	-3.50	-0.90	-2.01	0.91	24.00	11.00
		11be EHT20	52	5260			21.520	-3.50	-0.90	-2.01	0.91	24.00	11.00
			60	5300	242T	61	21.760	-3.50	-0.90	-2.01	0.91	24.00	11.00
			64	5320			21.560	-3.50	-0.90	-2.01	0.91	24.00	11.00
		11n HT40	54	5270			40.720	-3.50	-0.90	-2.01	0.91	24.00	11.00
			62	5310			40.880	-3.50	-0.90	-2.01	0.91	24.00	11.00
		11be EHT40	54	5270			40.960	-3.50	-0.90	-2.01	0.91	24.00	11.00
			62	5310	484T	65	40.880	-3.50	-0.90	-2.01	0.91	24.00	11.00
		11ac VHT80	58	5290			82.880	-3.50	-0.90	-2.01	0.91	24.00	11.00
11be EHT80	58	5290			996T	67	82.880	-3.50	-0.90	-2.01	0.91	24.00	11.00
11ac VHT160	50	5250			167.360	-3.50	-0.90	-2.01	0.91	24.00	11.00		
11be EHT160	50	5250			SU	168.000	-3.50	-0.90	-2.01	0.91	24.00	11.00	
5.6	2	11a	100	5500			21.040	-3.20	-1.80	-2.44	0.54	24.00	11.00
			116	5580			21.320	-3.20	-1.80	-2.44	0.54	24.00	11.00
			140	5700			21.240	-3.20	-1.80	-2.44	0.54	24.00	11.00
			144	5720			21.240	-3.20	-1.80	-2.44	0.54	24.00	11.00
		11n HT20	100	5500			21.280	-3.20	-1.80	-2.44	0.54	24.00	11.00
			116	5580			21.240	-3.20	-1.80	-2.44	0.54	24.00	11.00
			140	5700			21.120	-3.20	-1.80	-2.44	0.54	24.00	11.00
			144	5720			21.160	-3.20	-1.80	-2.44	0.54	24.00	11.00
		11be EHT20	100	5500			21.280	-3.20	-1.80	-2.44	0.54	24.00	11.00
			116	5580	242T	61	21.560	-3.20	-1.80	-2.44	0.54	24.00	11.00
			140	5700			21.120	-3.20	-1.80	-2.44	0.54	24.00	11.00
			144	5720			21.280	-3.20	-1.80	-2.44	0.54	24.00	11.00
		11n HT40	102	5510			40.640	-3.20	-1.80	-2.44	0.54	24.00	11.00
			110	5550			40.720	-3.20	-1.80	-2.44	0.54	24.00	11.00
			134	5670			45.440	-3.20	-1.80	-2.44	0.54	24.00	11.00
			142	5710			63.520	-3.20	-1.80	-2.44	0.54	24.00	11.00
		11be EHT40	102	5510			40.960	-3.20	-1.80	-2.44	0.54	24.00	11.00
			110	5550	484T	65	40.720	-3.20	-1.80	-2.44	0.54	24.00	11.00
			134	5670			41.120	-3.20	-1.80	-2.44	0.54	24.00	11.00
			142	5710			40.880	-3.20	-1.80	-2.44	0.54	24.00	11.00
		11ac VHT80	106	5530			82.880	-3.20	-1.80	-2.44	0.54	24.00	11.00
			122	5610			83.200	-3.20	-1.80	-2.44	0.54	24.00	11.00
			138	5690			83.040	-3.20	-1.80	-2.44	0.54	24.00	11.00
		11be EHT80	106	5530			82.720	-3.20	-1.80	-2.44	0.54	24.00	11.00
122	5610		996T	67	83.200	-3.20	-1.80	-2.44	0.54	24.00	11.00		
138	5690				82.720	-3.20	-1.80	-2.44	0.54	24.00	11.00		
11ac VHT160	114	5570			166.400	-3.20	-1.80	-2.44	0.54	24.00	11.00		
11be EHT160	114	5570			SU	167.360	-3.20	-1.80	-2.44	0.54	24.00	11.00	

Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	Tx0 Gain (dBi)	Tx1 Gain (dBi)	Uncorrelated Directional Gain (dBi)	Correlated Directional Gain (dBi)	FCC Power Limit (dBm)	FCC PSD Limit (dBm/500kHz)		
5.8	2	11a	149	5745			-3.50	-1.10	-2.14	0.79	30.00	30.00		
			157	5785			-3.50	-1.10	-2.14	0.79	30.00	30.00		
			165	5825			-3.50	-1.10	-2.14	0.79	30.00	30.00		
		11n HT20	149	5745				-3.50	-1.10	-2.14	0.79	30.00	30.00	
			157	5785				-3.50	-1.10	-2.14	0.79	30.00	30.00	
			165	5825				-3.50	-1.10	-2.14	0.79	30.00	30.00	
		11be EHT20	149	5745			242T	61	-3.50	-1.10	-2.14	0.79	30.00	30.00
			157	5785					-3.50	-1.10	-2.14	0.79	30.00	30.00
			165	5825					-3.50	-1.10	-2.14	0.79	30.00	30.00
		11n HT40	151	5755					-3.50	-1.10	-2.14	0.79	30.00	30.00
			159	5795					-3.50	-1.10	-2.14	0.79	30.00	30.00
		11be EHT40	151	5755			484T	65	-3.50	-1.10	-2.14	0.79	30.00	30.00
159	5795						-3.50	-1.10	-2.14	0.79	30.00	30.00		
11ac VHT80	155	5775					-3.50	-1.10	-2.14	0.79	30.00	30.00		
11be EHT80	155	5775			996T	67	-3.50	-1.10	-2.14	0.79	30.00	30.00		

Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	Tx0 Gain (dBi)	Tx1 Gain (dBi)	Uncorrelated Directional Gain (dBi)	Correlated Directional Gain (dBi)	FCC EIRP Power Limit (dBm)	Max FCC Power Limit (dBm)	FCC EIRP PSD Limit (dBm)	FCC PSD Limit (dBm/1MHz)		
5.9	2	11a	169	5845			-3.50	-1.30	-2.26	0.68	30.00	32.26	14.00	13.32		
			173	5865			-3.50	-1.30	-2.26	0.68	30.00	32.26	14.00	13.32		
			177	5885			-3.50	-1.30	-2.26	0.68	30.00	32.26	14.00	13.32		
		11n HT20	169	5845				-3.50	-1.30	-2.26	0.68	30.00	32.26	14.00	13.32	
			173	5865				-3.50	-1.30	-2.26	0.68	30.00	32.26	14.00	13.32	
			177	5885				-3.50	-1.30	-2.26	0.68	30.00	32.26	14.00	13.32	
		11be EHT20	169	5845			242T	61	-3.50	-1.30	-2.26	0.68	30.00	32.26	14.00	13.32
			173	5865					-3.50	-1.30	-2.26	0.68	30.00	32.26	14.00	13.32
			177	5885					-3.50	-1.30	-2.26	0.68	30.00	32.26	14.00	13.32
		11n HT40	167	5835					-3.50	-1.30	-2.26	0.68	30.00	32.26	14.00	13.32
			175	5875					-3.50	-1.30	-2.26	0.68	30.00	32.26	14.00	13.32
		11be EHT40	167	5835			484T	65	-3.50	-1.30	-2.26	0.68	30.00	32.26	14.00	13.32
			175	5875					-3.50	-1.30	-2.26	0.68	30.00	32.26	14.00	13.32
		11ac VHT80	171	5855					-3.50	-1.30	-2.26	0.68	30.00	32.26	14.00	13.32
		11be EHT80	171	5855			996T	67	-3.50	-1.30	-2.26	0.68	30.00	32.26	14.00	13.32
		11ac VHT160	163	5815					-3.50	-1.10	-2.14	0.79	30.00	32.14	14.00	13.21
11be EHT160	163	5815			SU		-3.50	-1.10	-2.14	0.79	30.00	32.14	14.00	13.21		

Directional Gain Calculation:

ANSI C63.10-2013 section 14.4.3

Uncorrelated directional gain= $10 \cdot \log((10^{Tx0/10} + 10^{Tx1/10})/2)$
 Correlated directional Gain= $10 \cdot \log(((10^{Tx0/20} + 10^{Tx1/20})^2)/2)$

Sample Calculation at 5.2G Band:

$Tx0 = -6.30\text{dBi}$, $Tx1 = -0.90\text{dBi}$

Uncorrelated Antenna gain= $10 \log[(10^{(-6.30/10)} + 10^{(-0.90/10)})/2] = -2.81\text{dBi}$

Correlated Antenna gain= $10 \log[(10^{(-6.30/20)} + 10^{(-0.90/20)})^2/2] = -0.18\text{dBi}$

POWER CALCULATION:

For 5.2/5.3/5.6/5.8GHz

P= measured conducted Avg Power (including cable loss + 10dB attenuator)

DCCF= duty cycle correction factor in dB

$$2Tx \text{ Total Corrected MIMO Conducted Avg Power with DCCF (dBm)} = 10\log[10^{(P1+DCCF)/10} + 10^{(P2+DCCF)/10}]$$

Sample Calculation 5.2G EHT20 242T MIMO:

2Tx Total Corrected MIMO Conducted Avg Power with DCCF (dBm)=

$$10\log[10^{((15.21+0.12)/10)} + 10^{((16.37+0.12)/10)}] = 18.96\text{dBm}$$

For 5.9GHz

P= measured conducted Avg Power (including cable loss + 10dB attenuator)

DCCF= duty cycle correction factor in dB

$$2Tx \text{ Total Corrected MIMO Conducted Avg EIRP Power with DCCF (dBm)} = 10\log[10^{(P1+DCCF)/10} + 10^{(P2+DCCF)/10}] + (\text{uncorrelated directional gain})$$

Sample Calculation 5.9G EHT20 242T MIMO:

2Tx Total Corrected MIMO Conducted Avg EIRP Power (dBm)=

$$10\log[10^{((19.7+0.12)/10)} + 10^{((20.26+0.12)/10)}] + (-2.26) = 20.85\text{dBm}$$
PSD CALCULATION:

PSD= measured PSD (including cable loss + 10dB attenuator)

DCCF= duty cycle correction factor in dB

$$2Tx \text{ Corrected PSD with DCCF (dBm/1MHz)} = 10\log[10^{(PSD1+DCCF)/10} + 10^{(PSD2+DCCF)/10}]$$

Sample Calculation 5.2G EHT20 242T MIMO:

2Tx Corrected PSD with DCCF (dBm/1MHz)=10log[10^{((6.396+0.12)/10)} +

$$10^{((7.089+0.12)/10)}] = 9.88 \text{ dBm/1MHz}$$
RESULTS

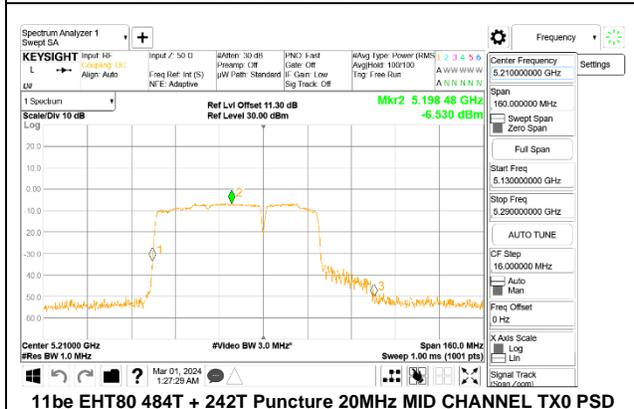
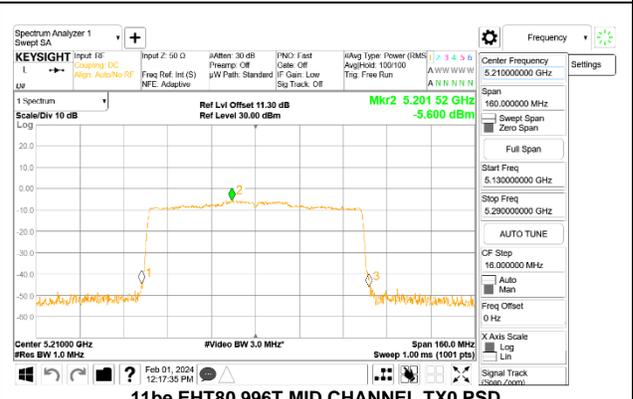
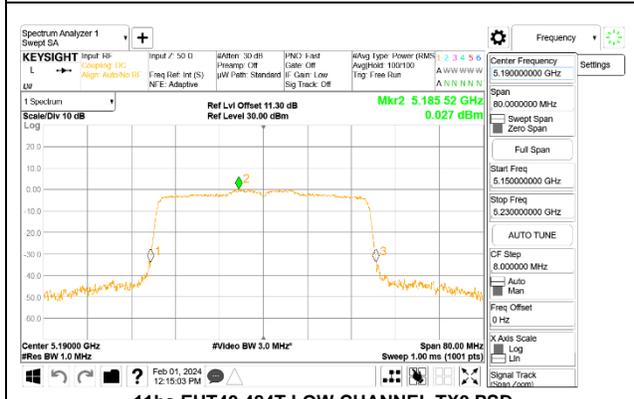
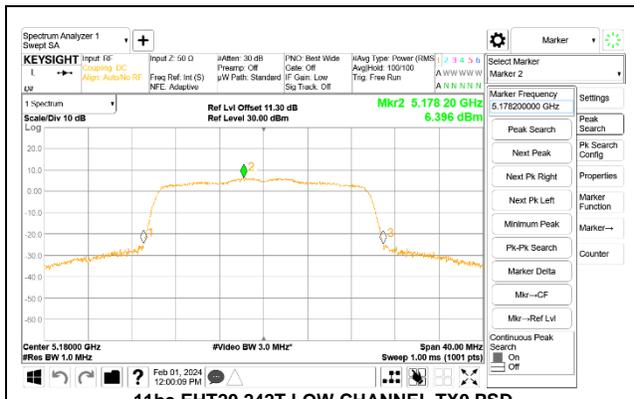
Partial plots included in PSD for each band are representative of the method and settings parameters used for the test. Partial power plots only shown in 5.9G as representative of the method and settings parameters used for the test.

9.3.1. 5.2 GHz BAND

2TX Tx0 + Tx1 CDD MODE (FCC)

Test Engineer:	NM 19232, HN 27979, 32480 BY
Test Date:	2024-02-01 TO 2024-04-10

Band (GHz)	Mode	Channel	Frequency (MHz)	Tones	RU Index	Measured Conducted Avg Power (dBm) Tx0	Measured Conducted Avg Power (dBm) Tx1	Total Corrected MIMO Conducted Avg Power with DCCF (dBm)	Power Limit (dBm)	Power Margin (dB)	PSD (dBm/1MHz) Tx0	PSD (dBm/1MHz) Tx1	Corrected PSD with DCCF (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)	
5.2 (FCC)	11a	36	5180			16.24	17.25	19.78	24.00	-4.22	7.105	7.925	10.54	11.00	-0.46	
		40	5200			16.41	16.92	19.68	24.00	-4.32	6.673	7.612	10.18	11.00	-0.82	
		48	5240			16.92	17.60	20.28	24.00	-3.72	7.005	7.853	10.46	11.00	-0.54	
	11n HT20	36	5180			16.06	17.07	19.60	24.00	-4.40	6.907	7.864	10.42	11.00	-0.58	
		40	5200			16.32	17.05	19.71	24.00	-4.29	6.838	7.300	10.09	11.00	-0.91	
		48	5240			16.59	17.50	20.08	24.00	-3.92	6.353	7.400	9.92	11.00	-1.08	
	11be EHT20	242T	36	5180		61	15.21	16.37	18.96	24.00	-5.04	6.396	7.089	9.88	11.00	-1.12
			40	5200			15.67	16.58	19.28	24.00	-4.72	6.181	6.822	9.64	11.00	-1.36
			48	5240			16.27	16.86	19.70	24.00	-4.30	6.543	6.628	9.71	11.00	-1.29
		106T	36	5180		53	13.81	14.12	17.24	24.00	-6.76	6.251	6.576	9.69	11.00	-1.31
			40	5200			13.62	13.93	17.05	24.00	-6.95	5.967	6.454	9.49	11.00	-1.51
			48	5240		54	13.80	14.31	17.33	24.00	-6.67	5.871	6.922	9.70	11.00	-1.30
		52T	36	5180		37	10.15	11.35	13.80	24.00	-10.20	6.098	6.926	9.54	11.00	-1.46
			40	5200		38	10.61	11.78	14.24	24.00	-9.76	5.972	7.034	9.55	11.00	-1.45
			48	5240		40	10.84	11.62	14.26	24.00	-9.74	5.775	6.621	9.23	11.00	-1.77
		26T	36	5180		0	7.81	8.62	11.24	24.00	-12.76	6.218	6.791	9.52	11.00	-1.48
			40	5200		4	8.45	8.59	11.53	24.00	-12.47	5.400	6.167	8.81	11.00	-2.19
			48	5240		8	8.47	8.97	11.74	24.00	-12.26	6.066	6.873	9.50	11.00	-1.50
		52T + 26T	36	5180		70	12.50	13.45	16.01	24.00	-7.99	6.318	7.144	9.76	11.00	-1.24
			40	5200		71	12.63	13.15	15.91	24.00	-8.09	6.132	6.798	9.49	11.00	-1.51
			48	5240		72	12.60	13.30	15.97	24.00	-8.03	6.033	6.924	9.51	11.00	-1.49
			36	5180		82	15.16	15.64	18.42	24.00	-5.58	6.600	7.087	9.86	11.00	-1.14
			40	5200			14.58	15.13	17.87	24.00	-6.13	6.119	6.568	9.36	11.00	-1.64
			48	5240		83	14.83	15.71	18.30	24.00	-5.70	6.186	7.122	9.69	11.00	-1.31
	11n HT40	38	5190				12.51	13.61	16.11	24.00	-7.89	0.512	1.352	3.96	11.00	-7.04
		46	5230				20.12	20.62	23.39	24.00	-0.61	7.131	7.743	10.46	11.00	-0.54
		38	5190				12.11	13.22	15.93	24.00	-8.07	0.027	1.474	4.04	11.00	-6.96
	11be EHT40	46	5230		484T	65	19.24	19.65	22.68	24.00	-1.32	6.243	6.534	9.62	11.00	-1.38
		42	5210				11.41	11.67	14.55	24.00	-9.45	-4.974	-4.183	-1.55	11.00	-12.55
	11ac VHT80	42	5210		996T	67	9.82	10.97	13.79	24.00	-10.21	-5.600	-4.699	-1.77	11.00	-12.77
	11be EHT80	42	5210		484T + 242T Puncture 20MHz	8	8.57	9.25	12.18	24.00	-11.82	-6.530	-6.108	-3.06	11.00	-14.06



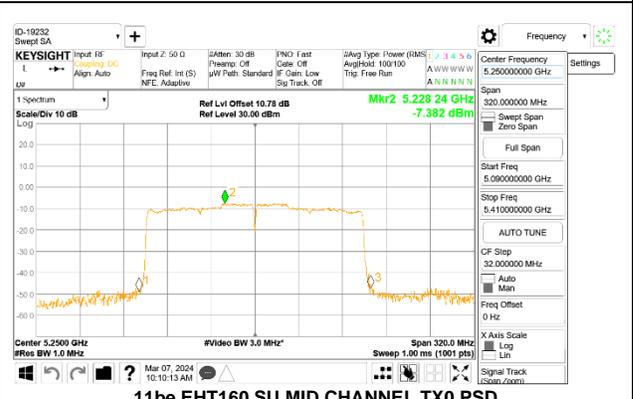
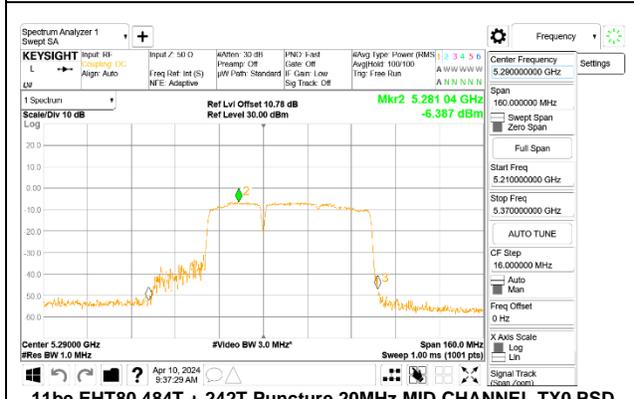
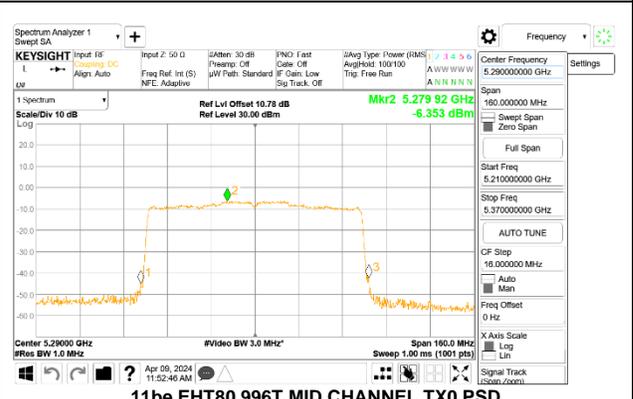
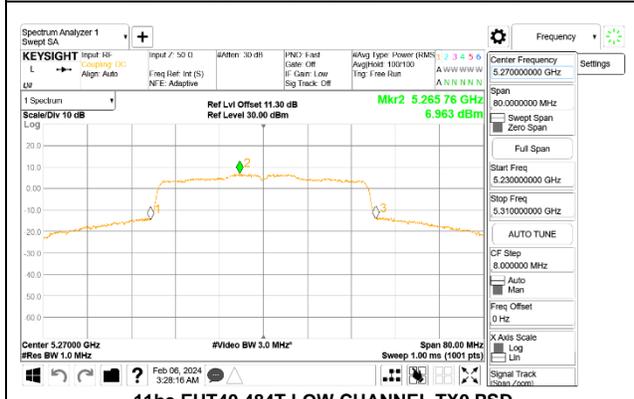
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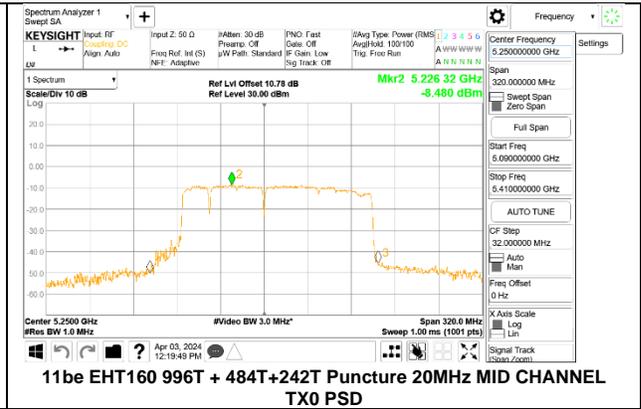
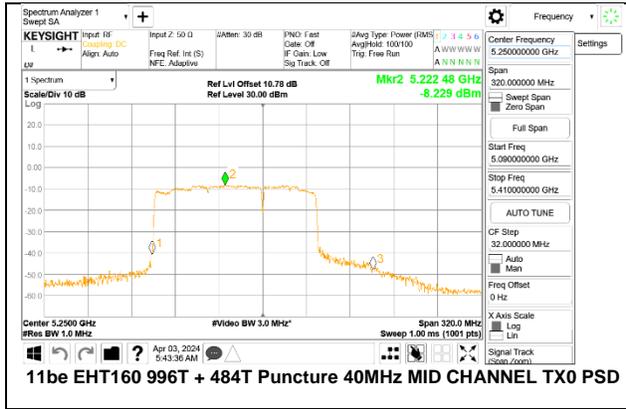
9.3.2. 5.3 GHz BAND

2TX Tx0 + Tx1 CDD MODE

Test Engineer:	NM 19232, HN 27979, 32480 BY
Test Date:	2024-02-01 TO 2024-05-06

Band (GHz)	Mode	Channel	Frequency (MHz)	Tones	RU Index	Measured	Measured	Total Corrected	Power Limit (dBm)	Power Margin (dB)	PSD	PSD	Corrected PSD with DCCF (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)	
						Conducted Avg Power (dBm) Tx0	Conducted Avg Power (dBm) Tx1	MIMO Conducted Avg Power with DCCF (dBm)			(dBm/1MHz) Tx0	(dBm/1MHz) Tx1				
5.3	11a	52	5260				17.34	17.88	20.63	23.21	-2.58	7.210	7.900	10.58	11.00	-0.42
		60	5300				17.08	17.58	20.35	23.22	-2.87	7.077	7.408	10.26	11.00	-0.74
		64	5320				15.92	15.47	18.71	23.23	-4.52	6.186	5.381	8.81	11.00	-2.19
	11n HT20	52	5260				17.27	17.98	20.65	23.50	-2.85	6.722	7.583	10.18	11.00	-0.82
		60	5300				16.91	17.47	20.21	23.49	-3.28	6.756	6.958	9.87	11.00	-1.13
		64	5320				15.30	14.78	18.06	23.50	-5.45	5.147	4.800	7.99	11.00	-3.01
	11be EHT20	52	5260	242T	61		17.37	18.02	20.83	23.77	-2.94	7.317	7.754	10.67	11.00	-0.33
							17.12	17.58	20.48	23.77	-3.28	6.694	7.476	10.23	11.00	-0.77
							15.31	14.90	18.24	23.78	-5.54	5.112	4.575	7.98	11.00	-3.02
							14.78	15.33	18.33	23.77	-5.44	7.089	7.502	10.57	11.00	-0.43
		60	5300	106T	53		14.42	14.87	17.92	23.77	-5.84	6.622	7.097	10.14	11.00	-0.86
							12.94	12.48	15.99	23.78	-7.79	4.886	4.378	7.91	11.00	-3.09
							12.07	12.57	15.34	23.77	-8.44	7.007	7.598	10.32	11.00	-0.68
							11.57	12.09	14.85	23.77	-8.92	6.500	7.188	9.87	11.00	-1.13
		64	5320	52T	38		10.18	10.28	13.24	23.78	-10.54	4.986	4.881	7.94	11.00	-3.06
							9.47	9.22	12.36	23.77	-11.42	6.936	6.819	9.89	11.00	-1.11
							9.29	9.62	12.47	23.77	-11.30	6.013	6.014	9.02	11.00	-1.98
							7.12	7.03	10.09	23.78	-13.69	4.438	4.620	7.54	11.00	-3.46
				52T + 26T	70		14.64	13.95	17.32	23.77	-6.46	7.742	7.348	10.56	11.00	-0.44
							14.18	13.42	16.83	23.77	-6.94	7.510	6.562	10.07	11.00	-0.93
							11.93	11.48	14.72	23.78	-9.06	5.060	4.626	7.86	11.00	-3.14
							16.35	15.70	19.05	23.77	-4.73	7.671	7.079	10.40	11.00	-0.60
		106T + 26T	82		16.80	15.41	19.17	23.77	-4.60	7.732	6.373	10.12	11.00	-0.88		
					13.79	13.59	16.70	23.78	-7.08	4.657	4.333	7.51	11.00	-3.49		
					20.05	20.40	23.24	24.00	-0.76	7.082	7.478	10.29	11.00	-0.71		
					11.82	10.62	14.27	24.00	-9.73	-1.047	-2.036	1.50	11.00	-9.50		
	11n HT40	54	5270				20.27	19.32	23.05	24.00	-0.95	6.963	7.386	10.41	11.00	-0.59
		62	5310	484T	65		11.45	11.74	14.83	24.00	-9.17	-1.722	-1.151	1.80	11.00	-9.20
	11be EHT40	54	5270				10.86	10.16	13.53	24.00	-10.47	-5.339	-5.940	-2.62	11.00	-13.62
		58	5290				10.34	9.65	13.37	24.00	-10.63	-6.353	-6.503	-3.07	11.00	-14.07
	11ac VHT80	58	5290	996T	67		8.96	8.77	12.12	24.00	-11.88	-6.387	-6.541	-3.21	11.00	-14.21
		58	5290	484T + 242T Puncture 20MHz	1		12.12	11.41	14.79	24.00	-9.21	-6.866	-7.720	-4.26	11.00	-15.26
	11be EHT80	50	5250				11.73	10.72	14.62	24.00	-9.38	-7.382	-7.779	-4.21	11.00	-15.21
		50	5250	SU			10.81	10.84	14.08	24.00	-9.92	-8.229	-7.976	-4.85	11.00	-15.85
	11ac VHT160	50	5250	996T + 484T Puncture 40MHz	192		10.91	11.04	14.23	24.00	-9.77	-8.480	-8.052	-5.01	11.00	-16.01
		50	5250	996T + 484T + 242T Puncture 20MHz	1											



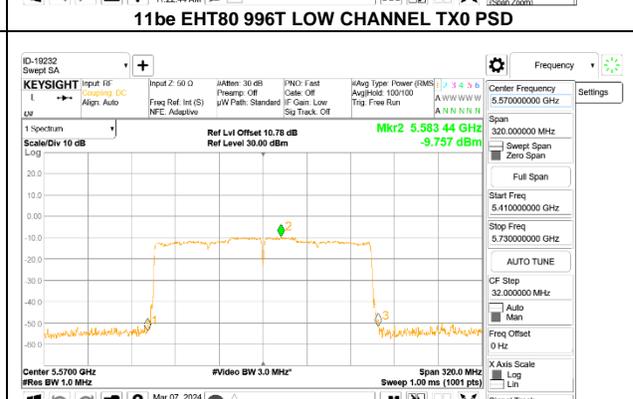
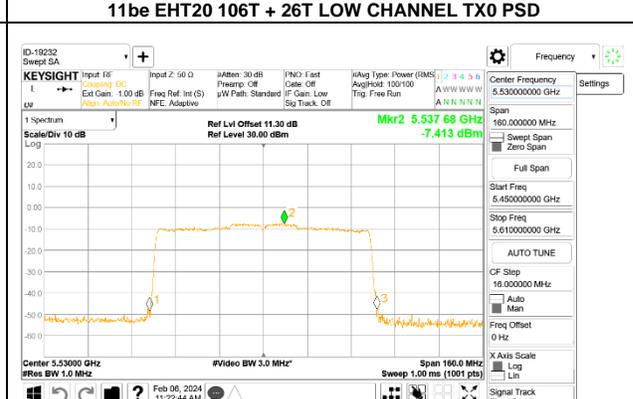
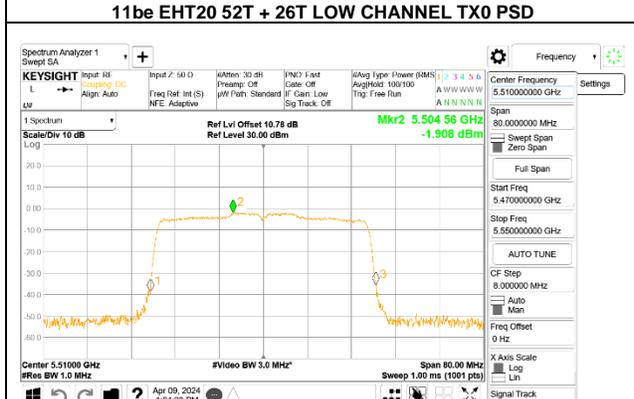
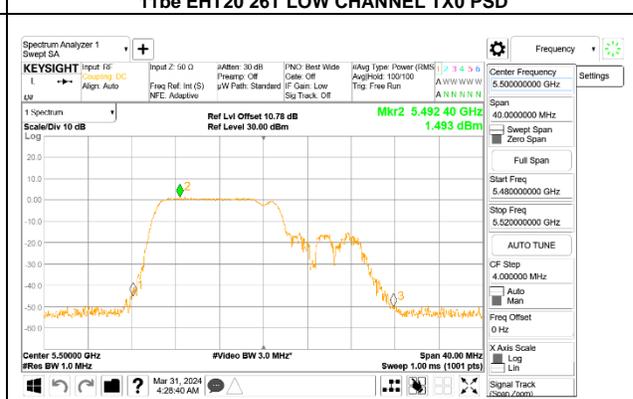


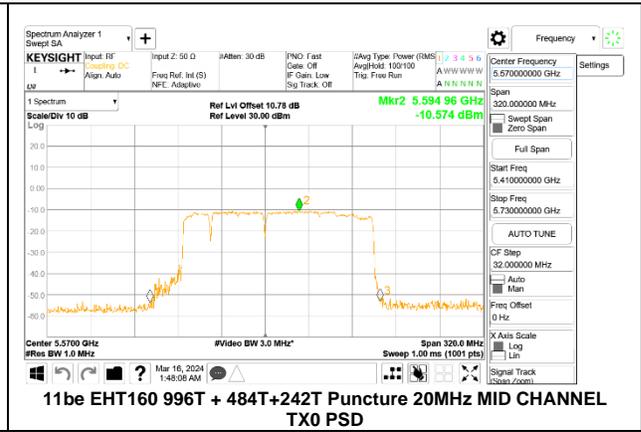
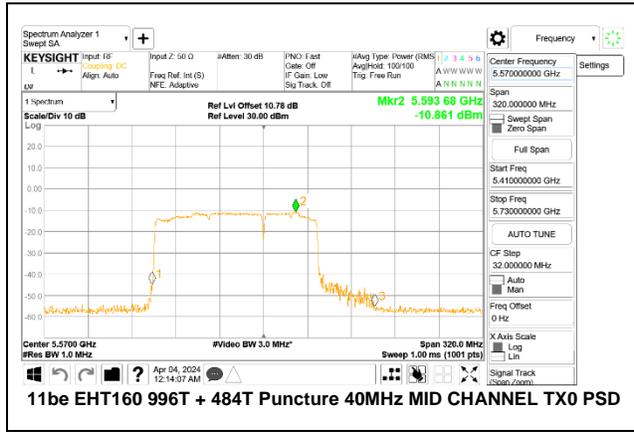
9.3.3. 5.6 GHz BAND

2TX Tx0 + Tx1 CDD MODE

Test Engineer:	NM 19232, HN 27979, 32480 BY
Test Date:	2024-02-01 TO 2024-04-01

Mode	Channel	Frequency (MHz)	Tones	RU Index	Measured	Measured	Total Corrected	Power Limit (dBm)	Power Margin (dB)	PSD	PSD	Corrected PSD	PSD Limit (dBm/1MHz)	PSD Margin (dB)	
					Conducted Avg Power (dBm) Tx0	Conducted Avg Power (dBm) Tx1	MIMO Conducted Avg Power with DCCF (dBm)			(dBm/1MHz) Tx0	(dBm/1MHz) Tx1	with DCCF (dBm/1MHz)			
11a	100	5500			17.10	16.30	19.73	24.00	-4.27	7.656	6.890	10.30	11.00	-0.70	
	116	5580			17.32	16.78	20.07	24.00	-3.93	7.614	7.092	10.37	11.00	-0.63	
	140	5700			14.48	15.02	17.77	24.00	-6.23	5.074	5.650	8.38	11.00	-2.62	
	144	5720 (Straddle)			17.02	16.94	19.99	24.00	-4.01	7.586	7.672	10.64	11.00	-0.36	
11n HT20	100	5500			15.64	14.78	18.24	24.00	-5.76	5.606	5.027	8.34	11.00	-2.66	
	116	5580			17.63	17.68	20.67	24.00	-3.33	7.722	7.619	10.68	11.00	-0.32	
	140	5700			14.22	14.56	17.40	24.00	-6.60	4.358	4.795	7.59	11.00	-3.41	
	144	5720 (Straddle)			17.01	16.92	19.98	24.00	-4.02	7.513	7.478	10.51	11.00	-0.49	
11be EHT20	100	5500	242T	61	16.33	14.65	18.70	24.00	-5.30	5.298	4.736	8.15	11.00	-2.85	
	116	5580			17.45	17.31	20.51	24.00	-3.49	7.222	7.911	10.71	11.00	-0.29	
	140	5700			14.60	13.68	17.29	24.00	-6.71	4.832	3.879	7.51	11.00	-3.49	
	144	5720 (Straddle)			16.70	16.57	19.76	24.00	-4.24	7.195	7.028	10.24	11.00	-0.76	
	100	5500	106T	53	12.67	12.19	15.71	24.00	-8.29	5.117	4.514	8.10	11.00	-2.90	
	116	5580			15.12	14.76	18.21	24.00	-5.79	7.127	6.878	10.28	11.00	-0.72	
	140	5700			11.60	10.61	14.40	24.00	-9.60	4.227	3.232	7.03	11.00	-3.97	
	144	5720 (Straddle)			13.91	14.02	17.24	24.00	-6.76	6.600	6.583	9.86	11.00	-1.14	
	100	5500	52T	37	9.44	7.69	11.66	24.00	-12.34	5.000	4.041	7.56	11.00	-3.44	
	116	5580			12.60	12.45	15.54	24.00	-8.46	7.650	7.317	10.50	11.00	-0.50	
	140	5700			8.31	8.16	11.25	24.00	-12.75	3.362	3.147	6.27	11.00	-4.73	
	144	5720 (Straddle)			11.49	11.65	14.58	24.00	-9.42	7.019	7.124	10.08	11.00	-0.92	
	100	5500	26T	8	0	5.91	5.68	8.81	24.00	-15.19	3.732	3.830	6.79	11.00	-4.21
	116	5580			4	9.49	10.71	13.15	24.00	-10.85	6.197	7.400	9.85	11.00	-1.15
	140	5700			5.34	5.01	8.19	24.00	-15.81	3.121	2.662	5.91	11.00	-5.09	
	144	5720 (Straddle)			8.46	9.42	11.98	24.00	-12.02	6.530	7.351	9.97	11.00	-1.03	
	100	5500	52T + 26T	70	11.80	10.82	14.35	24.00	-9.65	5.049	4.073	7.60	11.00	-3.40	
	116	5580			13.37	13.51	16.45	24.00	-7.55	6.662	6.683	9.68	11.00	-1.32	
	140	5700			11.00	10.01	13.54	24.00	-10.46	4.228	3.773	7.02	11.00	-3.98	
	144	5720 (Straddle)			13.08	13.31	16.21	24.00	-7.79	6.900	6.698	9.81	11.00	-1.19	
	100	5500	106T + 26T	82	10.05	9.80	12.94	24.00	-11.06	3.493	1.297	4.41	11.00	-6.59	
	116	5580			16.32	15.99	19.17	24.00	-4.83	7.554	7.160	10.37	11.00	-0.63	
	140	5700			5.42	5.65	8.55	24.00	-15.45	-3.303	-3.194	-0.24	11.00	-11.24	
	144	5720 (Straddle)			16.10	16.08	19.10	24.00	-4.90	6.894	7.059	9.99	11.00	-1.01	
11n HT40	102	5510			10.92	9.97	13.48	24.00	-10.52	-1.954	-2.791	0.66	11.00	-10.34	
	110	5550			20.40	19.70	23.07	24.00	-0.93	7.139	6.744	9.96	11.00	-1.04	
	134	5670			16.55	15.67	19.14	24.00	-4.86	4.080	3.662	6.89	11.00	-4.11	
	142	5710 (Straddle)			20.17	20.35	23.27	24.00	-0.73	7.183	7.447	10.33	11.00	-0.67	
11be EHT40	102	5510	484T	65	11.15	10.28	13.97	24.00	-10.03	-1.908	-1.057	1.77	11.00	-9.23	
	110	5550			19.63	19.02	22.57	24.00	-1.43	6.380	5.943	9.40	11.00	-1.60	
	134	5670			17.07	17.04	20.29	24.00	-3.71	5.040	5.181	8.34	11.00	-2.66	
	142	5710 (Straddle)			19.58	19.01	22.54	24.00	-1.46	6.708	6.522	9.85	11.00	-1.15	
11ac VHT80	106	5530			9.21	7.94	11.63	24.00	-12.37	-7.525	-8.387	-4.92	11.00	-15.92	
	122	5610			15.85	14.64	18.30	24.00	-5.70	0.153	-1.257	2.52	11.00	-8.48	
	138	5690 (Straddle)			15.78	14.52	18.21	24.00	-5.79	0.095	-1.338	2.45	11.00	-8.55	
11be EHT80	106	5530	996	67	9.07	8.62	12.21	24.00	-11.79	-7.413	-7.761	-4.22	11.00	-15.22	
	122	5610			15.92	13.95	18.41	24.00	-5.59	-0.438	-1.309	2.51	11.00	-8.49	
	138	5690 (Straddle)			14.14	12.86	16.91	24.00	-7.09	-2.440	-2.376	0.95	11.00	-10.05	
	106	5530	484T + 242T Puncture 20MHz	8	7.82	8.23	11.28	24.00	-12.72	-7.775	-7.416	-4.34	11.00	-15.34	
	122	5610			14.07	13.31	16.96	24.00	-7.04	-0.511	-1.423	2.31	11.00	-8.69	
138	5690 (Straddle)		1	12.72	12.33	15.78	24.00	-8.22	-2.915	-2.964	0.31	11.00	-10.69		
11ac VHT160	114	5570			9.14	8.80	11.98	24.00	-12.02	-10.072	-10.381	-7.21	11.00	-18.21	
11be EHT160	114	5570	SU		9.68	8.50	12.50	24.00	-11.50	-9.757	-10.521	-6.75	11.00	-17.75	
	114	5570	996T + 484T Puncture 40MHz	192	7.75	8.56	11.43	24.00	-12.57	-10.861	-10.086	-7.20	11.00	-18.20	
	114	5570	996T + 484T + 242T Puncture 20MHz	1	8.83	9.05	12.19	24.00	-11.81	-10.574	-10.132	-7.09	11.00	-18.09	



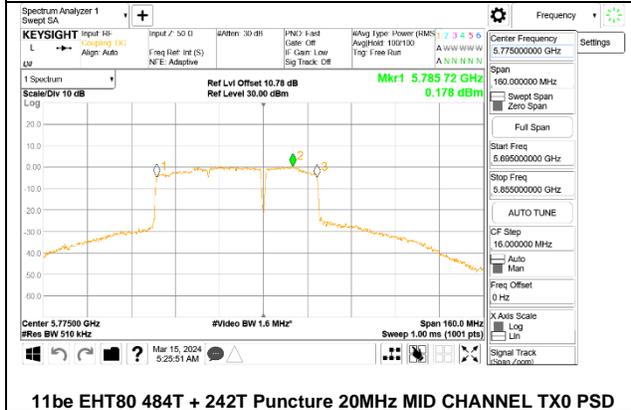
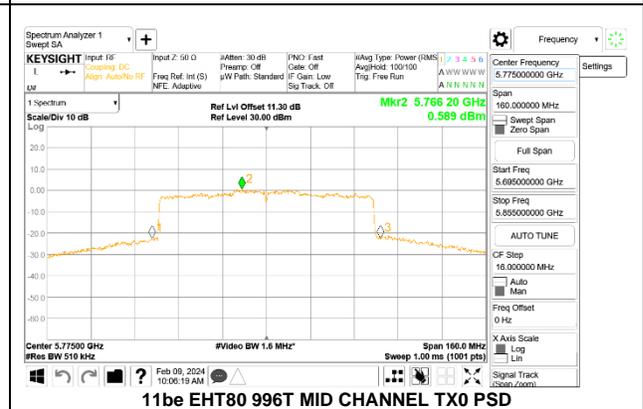
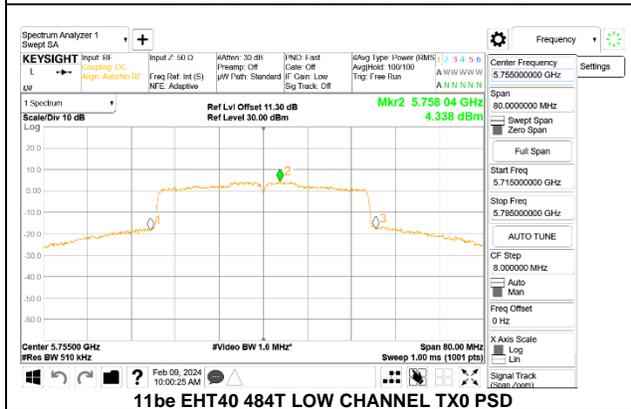
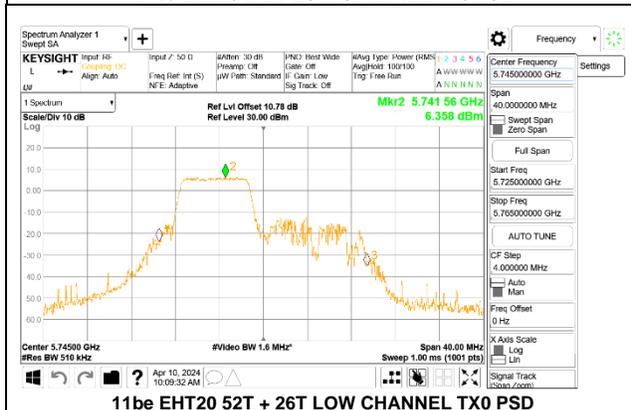


9.3.4. 5.8 GHZ BAND

2TX Tx0 + Tx1 CDD MODE

Test Engineer:	NM 19232, HN 27979, 32480 BY
Test Date:	2024-02-01 TO 2024-04-10

Band (GHz)	Mode	Channel	Frequency (MHz)	Tones	RU Index	Measured	Measured	Total Corrected	Power Limit (dBm)	Power Margin (dB)	PSD	PSD	Corrected PSD with DCCF (dBm/500kHz)	PSD Limit (dBm/500kHz)		
						Conducted Avg Power (dBm) Tx0	Conducted Avg Power (dBm) Tx1	MIMO Conducted Avg Power with DCCF (dBm)			(dBm/500kHz) Tx0	(dBm/500kHz) Tx1				
5.8	11a	149	5745			20.40	21.24	23.85	30.00	-6.15	8.067	8.553	11.33	30.00		
		157	5785			20.76	21.53	24.17	30.00	-5.83	8.763	8.654	11.72	30.00		
		165	5825			20.89	20.91	23.91	30.00	-6.09	8.784	9.229	12.02	30.00		
	11n HT20	149	5745				19.66	20.13	22.91	30.00	-7.09	6.977	7.459	10.23	30.00	
		157	5785				19.71	20.41	23.08	30.00	-6.92	6.985	7.140	10.07	30.00	
		165	5825				20.04	20.83	23.46	30.00	-6.54	7.477	7.861	10.68	30.00	
	11be EHT20	149	5745	242T	61		19.15	20.02	22.73	30.00	-7.27	6.469	7.392	10.08	30.00	
							19.85	20.51	23.32	30.00	-6.68	6.641	7.041	9.97	30.00	
							20.12	20.67	23.53	30.00	-6.47	7.252	7.845	10.69	30.00	
		149	5785	106T	53		17.21	16.74	20.25	30.00	-9.75	6.725	6.421	9.85	30.00	
							17.13	17.92	20.81	30.00	-9.19	6.330	6.716	9.80	30.00	
							17.59	17.97	21.06	30.00	-8.94	7.123	7.660	10.67	30.00	
		149	5745	52T	37		14.29	14.97	17.65	30.00	-12.35	6.273	7.208	9.78	30.00	
							14.05	14.85	17.48	30.00	-12.52	6.517	7.028	9.79	30.00	
							15.00	15.38	18.20	30.00	-11.80	7.540	7.600	10.58	30.00	
		149	5745	26T	0		11.25	11.92	14.61	30.00	-15.39	6.505	7.024	9.78	30.00	
							11.70	12.21	14.97	30.00	-15.03	6.577	7.023	9.82	30.00	
							12.27	12.61	15.45	30.00	-14.55	7.320	7.416	10.38	30.00	
			149	5785	52T + 26T	70		15.90	15.40	18.67	30.00	-11.33	6.358	6.193	9.29	30.00
								16.82	16.40	19.63	30.00	-10.37	7.201	6.495	9.87	30.00
								17.22	16.42	19.85	30.00	-10.15	7.565	6.624	10.13	30.00
			149	5745	106T + 26T	82		18.55	18.02	21.30	30.00	-8.70	6.703	6.136	9.44	30.00
								18.37	18.71	21.55	30.00	-8.45	6.665	6.866	9.78	30.00
								18.97	19.33	22.16	30.00	-7.84	7.344	7.471	10.42	30.00
	11n HT40	151	5755				20.72	20.88	23.81	30.00	-6.19	4.618	4.933	7.79	30.00	
		159	5795				20.88	21.02	23.96	30.00	-6.04	4.619	4.954	7.80	30.00	
	11be EHT40	151	5755				20.15	20.34	23.48	30.00	-6.52	4.338	4.657	7.73	30.00	
		159	5795				20.26	20.77	23.75	30.00	-6.25	4.589	4.604	7.83	30.00	
	11ac VHT80	155	5775				19.96	20.39	23.19	30.00	-6.81	0.645	1.062	3.87	30.00	
	11be EHT80	155	5775				19.58	20.02	23.17	30.00	-6.83	0.589	0.712	4.01	30.00	
		155	5775	484T + 242T Puncture 20MHz	8		18.68	18.86	22.02	30.00	-7.98	0.178	0.663	3.68	30.00	



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9.3.5. 5.9 GHz BAND

2TX Tx0 + Tx1 CDD MODE

Test Engineer:	NM 19232, HN 27979, 32480 BY
Test Date:	2024-02-01 TO 2024-05-08

Band (GHz)	Mode	Channel	Frequency (MHz)	Target Conducted Avg Power (dBm)	Tones	RU Index	Measured Conducted Avg Power (dBm) Tx0	Measured Conducted Avg Power (dBm) Tx1	Total Corrected MIMO Conducted Avg Power with DCCF (dBm)	Uncorrelated Directional Gain (dBi)	Total Corrected MIMO Conducted Avg EIRP Power with DCCF (dBm)	EIRP Power Limit (dBm)	EIRP Power Margin (dB)	PSD (dBm/1MHz) Tx0	PSD (dBm/1MHz) Tx1	Corrected PSD with DCCF (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)						
5.9	11a	169	5845	24 (21/chain)			20.35	20.43	23.40	-2.26	21.14	30.00	-8.86	9.292	10.405	12.89	13.32	-0.43						
			173	5865			24 (21/chain)	20.22	19.95	23.10	-2.26	20.84	30.00	-9.16	9.604	10.511	13.09	13.32	-0.23					
			177	5885			24 (21/chain)	18.82	19.72	22.30	-2.26	20.04	30.00	-9.96	9.577	10.236	12.93	13.32	-0.39					
	11n HT20	169	5845	24 (21/chain)				20.01	20.02	23.03	-2.26	20.76	30.00	-9.24	9.943	9.901	12.93	13.32	-0.39					
			173	5865				24 (21/chain)	20.03	19.57	22.82	-2.26	20.55	30.00	-9.45	10.118	10.033	13.09	13.32	-0.23				
			177	5885				24 (21/chain)	18.82	19.75	22.32	-2.26	20.06	30.00	-9.94	9.735	10.330	13.05	13.32	-0.27				
	11be EHT20	169	5845	24 (21/chain)		242T	61	19.70	20.26	23.12	-2.26	20.85	30.00	-9.15	9.457	10.304	13.03	13.32	-0.29					
								173	5865	24 (21/chain)	20.50	20.18	23.47	-2.26	21.21	30.00	-8.79	9.658	10.301	13.12	13.32	-0.20		
								177	5885	24 (21/chain)	19.40	20.33	23.02	-2.26	20.75	30.00	-9.25	9.358	10.271	12.97	13.32	-0.35		
								169	5845	24 (21/chain)	18.18	17.47	21.11	-2.26	18.85	30.00	-11.15	10.188	9.293	13.03	13.32	-0.29		
								173	5865	24 (21/chain)	18.37	17.75	21.34	-2.26	19.08	30.00	-10.92	9.165	9.569	12.64	13.32	-0.68		
								177	5885	24 (21/chain)	54	16.54	17.53	20.33	-2.26	18.07	30.00	-11.93	8.668	9.732	12.50	13.32	-0.82	
		169	5845	24 (21/chain)			106T	53	15.07	14.76	17.93	-2.26	15.67	30.00	-14.33	9.502	9.651	12.59	13.32	-0.73				
									173	5865	24 (21/chain)	37	15.07	14.76	17.93	-2.26	15.67	30.00	-14.33	9.502	9.651	12.59	13.32	-0.73
									177	5885	24 (21/chain)	38	15.35	14.98	18.18	-2.26	15.92	30.00	-14.08	10.087	10.111	13.11	13.32	-0.21
									169	5845	24 (21/chain)	40	14.90	14.22	17.58	-2.26	15.32	30.00	-14.68	9.158	10.009	12.61	13.32	-0.71
									173	5865	24 (21/chain)	0	12.13	11.95	15.05	-2.26	12.79	30.00	-17.21	9.584	9.428	12.52	13.32	-0.80
									177	5885	24 (21/chain)	4	13.12	12.68	15.92	-2.26	13.65	30.00	-16.35	9.604	9.316	12.47	13.32	-0.85
		169	5845	24 (21/chain)			52T + 26T	71	15.50	16.16	18.85	-2.26	16.59	30.00	-17.46	9.983	9.516	12.77	13.32	-0.55				
									173	5865	24 (21/chain)	70	15.50	16.16	18.85	-2.26	16.59	30.00	-17.46	9.983	9.516	12.77	13.32	-0.55
									177	5885	24 (21/chain)	8	12.04	11.52	14.80	-2.26	12.54	30.00	-17.46	9.983	9.516	12.77	13.32	-0.55
									169	5845	24 (21/chain)	7	15.50	16.16	18.85	-2.26	16.59	30.00	-13.41	9.379	9.014	12.21	13.32	-1.11
									173	5865	24 (21/chain)	71	16.22	15.92	19.08	-2.26	16.82	30.00	-13.18	9.578	9.211	12.41	13.32	-0.91
									177	5885	24 (21/chain)	72	15.52	16.53	19.06	-2.26	16.80	30.00	-13.20	8.978	10.152	12.61	13.32	-0.71
		169	5845	24 (21/chain)			106T + 26T	82	18.57	17.88	21.25	-2.26	18.99	30.00	-11.01	9.411	8.603	12.04	13.32	-1.28				
									173	5865	24 (21/chain)	18.36	17.88	21.14	-2.26	18.87	30.00	-11.13	9.367	8.906	12.15	13.32	-1.17	
	177								5885	24 (21/chain)	17.64	18.46	21.08	-2.26	18.82	30.00	-11.18	9.251	9.918	12.61	13.32	-0.71		
	167								5835	23 (20/chain)	22.46	21.75	25.13	-2.26	22.87	30.00	-7.13	9.389	8.405	11.94	13.32	-1.39		
	175								5875	23 (20/chain)	22.39	21.88	25.15	-2.26	22.89	30.00	-7.11	9.318	8.835	12.09	13.32	-1.23		
	167								5835	23 (20/chain)	22.41	21.53	25.22	-2.26	22.96	30.00	-7.04	8.982	8.205	11.84	13.32	-1.48		
	11be EHT40	175	5875	23 (20/chain)		484T	65	22.44	21.54	25.24	-2.26	22.98	30.00	-7.02	9.515	8.691	12.35	13.32	-0.97					
								171	5855	23 (20/chain)	17.76	16.75	20.29	-2.26	18.03	30.00	-11.97	3.854	4.830	7.38	13.32	-5.94		
	11ac VHT80	171	5855	23 (20/chain)		996	67	19.16	19.42	22.65	-2.26	20.39	30.00	-9.61	4.466	3.750	7.48	13.32	-5.84					
								171	5855	23 (20/chain)	484T + 242T Puncture 20MHz	8	19.50	18.60	22.33	-2.26	20.06	30.00	-9.94	4.037	3.249	6.91	13.32	-6.41
	11ac VHT160	163	*5815	23 (20/chain)		SU		18.22	17.29	20.79	-2.14	18.65	30.00	-11.35	-1.234	-2.138	1.95	13.21	-11.86					
								163	*5815	23 (20/chain)	17.43	16.58	20.39	-2.14	18.26	30.00	-11.74	-1.921	-2.774	1.04	13.21	-12.17		
	11be EHT160	163	*5815	23 (20/chain)		996T + 484T Puncture 40MHz	192	15.48	14.84	18.43	-2.14	16.29	30.00	-13.71	-3.414	-4.179	-0.53	13.21	-13.73					
								163	*5815	23 (20/chain)	996T + 484T + 242T Puncture 20MHz	1	16.46	15.87	19.43	-2.14	17.29	30.00	-12.71	-3.349	-3.757	-0.30	13.21	-13.50

*VHT160, EHT160 channel across 5.8 and 5.9G band, so take 5.8G higher antenna as worse case for EIRP power/EIRP PSD calculation

POWER

