

TEST REPORT

Report Number: 15532198-E1V2

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:
2025-07-29

Prepared by:
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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	2025-06-10	Initial Issue	---
V2	2025-07-29	Updated page15 to address TCB question	Tina Chu

TABLE OF CONTENTS

REPORT REVISION HISTORY	2
TABLE OF CONTENTS	3
1. ATTESTATION OF TEST RESULTS	4
2. TEST RESULT SUMMARY	6
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
6. EQUIPMENT UNDER TEST	9
6.1. EUT DESCRIPTION	9
6.2. EUT DEVICE CLASS.....	9
6.3. DESCRIPTION OF CLASS II PERMISSIVE CHANGE	9
6.4. MAXIMUM OUTPUT POWER.....	10
6.5. DESCRIPTION OF AVAILABLE ANTENNAS	10
6.6. WORST-CASE CONFIGURATION AND MODE.....	11
7. MEASUREMENT METHOD.....	12
8. TEST AND MEASUREMENT EQUIPMENT	13
9. ANTENNA PORT TEST RESULTS.....	14
9.1. ON TIME AND DUTY CYCLE.....	14
9.2. 26 dB and 99% BANDWIDTH.....	15
9.3. VERY LOW POWER OUTPUT POWER AND PSD.....	19
9.4. VERY LOW POWER SPURIOUS EMISSIONS IN-BAND – EMISSION MASK.....	35
10. VERY LOW POWER TRANSMIT POWER CONTROL (TPC)	60
11. DESCRIPTION OF TEST SETUP AND SETUP PHOTOS	62

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: 41151FDAQ00064

SAMPLE RECEIPT DATE: 2024-01-23, 2024-10-09

DATE TESTED: 2024-02-01 TO 2025-06-03

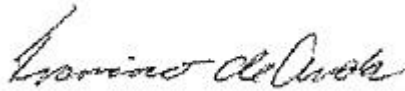
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart E	Complies

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
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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 6.5)

FCC Clause	Requirement	Result	Comment
See Comment	Duty Cycle	Reporting purposes only	ANSI C63.10 Section 12.2
See Comment	99% BW	Reporting purposes only	ANSI C63.10 Section 6.9.3
See Comment	26dB BW	Reporting purposes only	None.
§15.407 (a) (9)	Output Power e.i.r.p.	Complies	Very Low Power Device
§15.407 (a) (9)	PSD e.i.r.p	Complies	Very Low Power Device
§15.407 (b) (6)	Emissions outside 5.925-7.125 GHz band	Not performed	Refer to original test report 15107843-E12
§15.407 (b) (7)	Emissions within 5.925-7.125 GHz Band (Emissions Mask)	Complies	None
§15.407 (d) (10)	Transmit Power Control Mechanism	Complies	Very Low Power Device
§15.205	Unwanted emissions in restricted bands	Not performed	Refer to original test report 15107843-E12
§15.209	Radiated Spurious Emissions	Not performed	Refer to original test report 15107843-E12
§15.207	AC Mains Conducted Emissions	Not performed	Refer to original test report 15107843-E12

3. TEST METHODOLOGY

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

- FCC 47 CFR Part 2
- FCC 47 CFR Part 15 Subpart E
- FCC KDB 662911 Measurement of Transmitters with Multiple Output, MIMO
- FCC KDB 789033 D02 UNII Test Procedures New Rules
- FCC KDB 987594 D01 U-NII 6GHz General Requirements
- FCC KDB 987594 D02 U-NII 6 GHz EMC Measurement
- 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
☒	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}
Radio Frequency (Spectrum Analyzer)	141.16 Hz
Occupied Bandwidth	1.22%
RF Power Measurement Using Spectrum Analyzer	0.33dB
Conducted Antenna Port Emission Measurement	1.94 dB
Power Spectral Density	2.466 dB
Time Domain Measurements	3.39%
Temperature	0.57°C
Relative Humidity	3.39%
DC Supply Voltages	0.57%

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

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

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

MAINS CONDUCTED EMISSIONS

Where relevant, the following sample calculation is provided:

$$\begin{aligned} \text{Final Voltage (dBuV)} &= \text{Measured Voltage (dBuV)} + \text{Cable Loss (dB)} + \text{Limiter Factor (dB)} + \\ &\text{LISN Insertion Loss.} \\ 36.5 \text{ dBuV} + 0 \text{ dB} + 10.1 \text{ dB} + 0 \text{ dB} &= 46.6 \text{ dBuV} \end{aligned}$$

6. EQUIPMENT UNDER TEST

6.1. EUT DESCRIPTION

The EUT is a phone.

6.2. EUT DEVICE CLASS

EUT is of the following device class. This report is covering the Very Low Power only.

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

6.3. DESCRIPTION OF CLASS II PERMISSIVE CHANGE

This Class II Permissive Change is to add Very Low Power (6VL) support to EUT.

6.4. MAXIMUM OUTPUT POWER

The transmitter has a maximum e.i.r.p. output power as follows:

Very Low Power

Band	Mode	Min Frequency (MHz)	Max Frequency (MHz)	VLP Output Power EIRP (dBm)	VLP Output Power EIRP (mW)
NII_5	11a	5955	6415	1.85	1.53
	11be EHT20			2.48	1.77
	11be EHT40	5965	6405	5.24	3.34
	11be EHT80	5985	6385	8.69	7.40
	11be EHT160	6025	6345	11.06	12.76
NII_6	11a	6435	6515	1.86	1.53
	11be EHT20			2.31	1.70
	11be EHT40	6445	6525	5.91	3.90
	11be EHT80	6465	6465	8.73	7.46
	11be EHT160	6505	6505	11.78	15.07
NII_7	11a	6535	6875	2.56	1.80
	11be EHT20			2.84	1.92
	11be EHT40	6565	6845	4.90	3.09
	11be EHT80	6545	6865	8.55	7.16
	11be EHT160	6665	6825	11.28	13.43
NII_8	11a	6895	7095	2.57	1.81
	11be EHT20			3.52	2.25
	11be EHT40	6885	7085	5.58	3.61
	11be EHT80	6945	7025	8.12	6.49
	11be EHT160	6985	6985	11.32	13.55

6.5. 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.

Integrated Antenna?	☒ Yes	☐ No
---------------------	---	-----------------------------

Band	Antenna Peak Gain	
	Tx0 (Ant4) (dBi)	Tx1 (Ant3) (dBi)
UNII-5	-3.8	-2.2
UNII-6	-5.2	-0.8
UNII-7	-5.5	-1.5
UNII-8	-6.9	-0.1

6.6. WORST-CASE CONFIGURATION AND MODE

EUT supports 6G 802.11a, 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

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. 802.11be Full tone is the worse case and set for all testing with additional spot check on partial RU/MRU/ Punctured power/PSD/Emissions Mask combinations.

Note that 160MHz SU (2x996) is tested as worse case due to Full tone only supports 1x996, also, report shows Full tones and 26Tones plots as worse case in Emissions Mask section.

This report only covers conducted 26dB/99% bandwidth, power, PSD and emissions mask. Radiated emissions including bandedge, simultaneous, radiated spurious emissions test 9kHz to 40GHz, and power line conducted emission are covered by the original application (LP/SP) where the EUT set to transmit at the channel with highest output power as worst-case scenario to cover all LP/SP/VLP.

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

- 802.11a mode: 6Mbps
- 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.

26 dB Emission BW: ANSI C63.10-2013 Section 12.4.1

99% Occupied Bandwidth: KDB 789033 D02 v02r01, Section II-D

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

Output Power (e.i.r.p), Conducted Power + Ant Gain= EIRP

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

Spurious emissions within 5.925-7.125 GHz Band(Emissions Mask): KDB 987594 D02 EMC Measurement Section II-J

8. TEST AND MEASUREMENT EQUIPMENT

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

CONDCUTED TEST EQUIPMENT LIST					
Description	Manufacturer	Model	ID Num	Cal Due	Last Cal
EMI TEST RECEIVER (Chamber J)	Rohde & Schwarz	ESW44	*171875	2024-05-31	2023-05-30
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	*222073	2025-01-31	2024-01-30
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	*85201	2025-01-31	2024-01-30
10dB Fixed Attenuator, up to 26GHz	Pasternack Enterprises	PE7087-10	236189	Verified/characterized before use	
Conducted Switch Box	UL	CSB	*245774	2025-05-31	2024-05-16
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	*222074	2025-01-31	2024-01-26
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	85214	2026-01-31	2025-01-24
TPC TEST EQUIPMENT LIST					
Description	Manufacturer	Model	ID Num	Cal Due	Last Cal
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	80400	2026-01-31	2025-01-31
Step Attenuator 70dB	HP	8495B	2406A01354	N/A	N/A
Directional Coupler	Pasternack Enterprises	PE2204-6	246270	2026-05-31	2025-05-31
UL TEST SOFTWARE LIST					
Antenna Port Software	UL	UL RF	Ver 2022-08-16		

NOTES: * Testing is completed before equipment expiration date.

9. ANTENNA PORT TEST RESULTS

9.1. ON TIME AND DUTY CYCLE

LIMITS

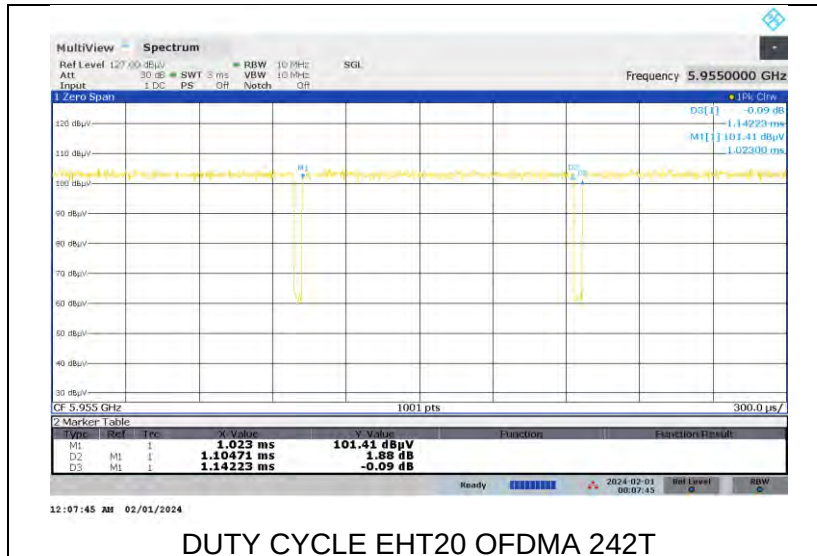
None; for reporting purposes only.

TEST PROCEDURE

KDB 789033 Zero-Span Spectrum Analyzer Method.

RESULTS

Mode	ON Time T (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	DCCF (dB)	1/T Minimum VBW (kHz)
802.11a	4.05341	4.09862	0.99	98.90	0.00	0.01
802.11be OFDMA EHT20 242T	1.10471	1.14223	0.97	96.72	0.15	0.91
802.11be OFDMA EHT20 106T	1.302	1.341	0.97	97.09	0.13	0.77
802.11be OFDMA EHT20 52T	1.4624	1.50792	0.97	96.98	0.13	0.68
802.11be OFDMA EHT20 26T	1.602	1.641	0.98	97.62	0.10	0.62
802.11be OFDMA EHT20 52T + 26T	3.45	3.487	0.99	98.94	0.00	0.01
802.11be OFDMA EHT20 106T + 26T	2	2.037	0.98	98.18	0.00	0.01
802.11be OFDMA EHT40 484T	0.579301	0.621167	0.93	93.26	0.30	1.73
802.11be OFDMA EHT80 996T	0.313259	0.352619	0.89	88.84	0.51	3.19
802.11be OFDMA EHT80 484T + 242T Puncture 20MHz	1.007	1.028	0.98	97.96	0.09	0.99
802.11be OFDMA EHT160 SU	0.4063	0.4265	0.95	95.26	0.21	2.46
802.11be OFDMA EHT160 996T + 484T Puncture 40MHz	0.5251	0.5461	0.96	96.15	0.17	1.90
802.11be OFDMA EHT160 996T + 484T + 242T Puncture 20MHz	0.461	0.4817	0.96	95.70	0.19	2.17



DUTY CYCLE EHT20 OFDMA 242T

9.2. 26 dB and 99% BANDWIDTH

LIMITS

47 CFR 15.407(a)(11) The maximum transmitter channel bandwidth for U-NII devices in the 5.925–7.125 GHz band is 320 megahertz.

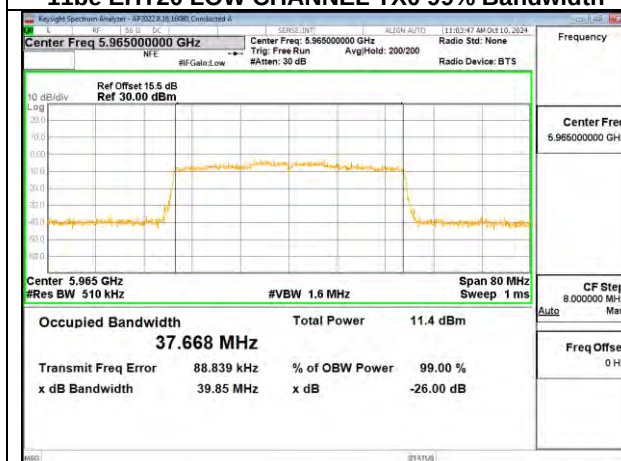
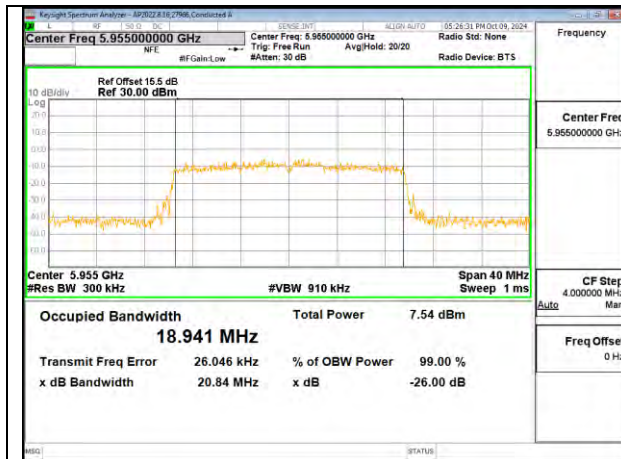
According to TCB workshop October 5, 2023, for channels with a nominal bandwidth less than 320MHz, (e.g., 20, 40, 80, and 160 MHz), compliance is demonstrated by way of the 26 dB EBW. For channels with a nominal bandwidth of 320 MHz, compliance is demonstrated by way of the 99% BW.

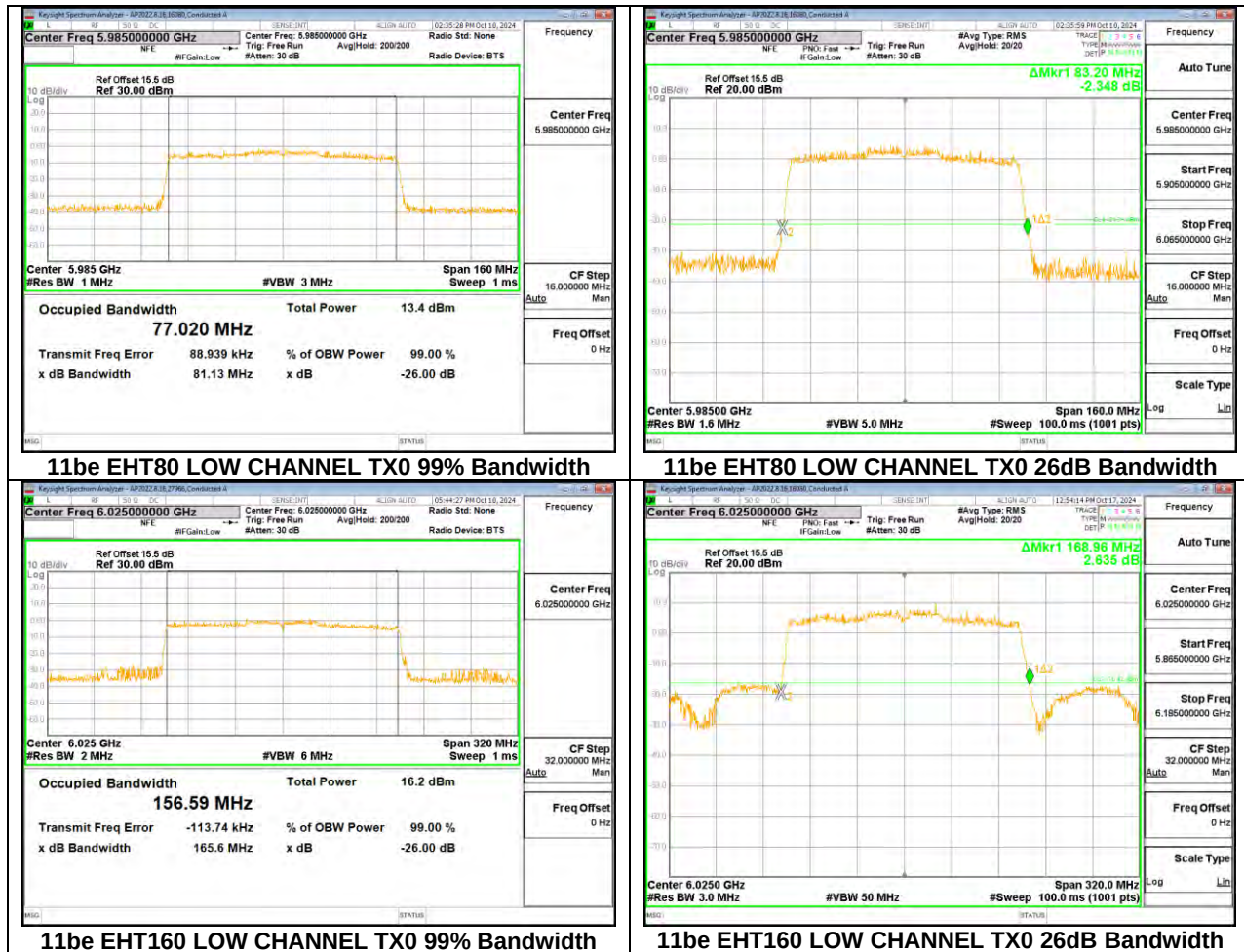
RESULTS

UNII_5 plots are representative of the method and settings parameters used for the test.

9.2.1. VERY LOW POWER UNII-5

Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	99% Bandwidth (MHz)		26dB Bandwidth (MHz)	
							Tx0	Tx1	Tx0	Tx1
UNII_5	2	11a	1	5955			16.660	16.695	21.16	21.28
			45	6175			16.687	16.701	21.32	21.28
			93	6415			16.738	16.701	21.40	21.16
		11be EHT20	1	5955	242T	61	18.941	18.947	21.40	21.08
			45	6175			18.933	18.953	21.44	21.28
			93	6415			19.023	18.955	21.36	21.40
		11be EHT40	3	5965	484T	65	37.668	37.714	40.96	40.88
			43	6165			37.751	37.676	41.36	40.80
			91	6405			37.737	37.587	41.12	41.12
		11be EHT80	7	5985	996T	67	77.020	77.157	83.20	82.72
			39	6145			76.974	77.011	82.40	82.56
			87	6385			77.108	77.191	83.20	82.88
		11be EHT160	15	6025	SU		156.590	156.770	168.96	168.00
			47	6185			156.610	156.530	168.32	167.36
			79	6345			156.420	156.420	168.96	168.32





9.2.2. VERY LOW POWER UNII-6

Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	99% Bandwidth (MHz)		26dB Bandwidth (MHz)	
							Tx0	Tx1	Tx0	Tx1
UNII_6	2	11a	97	6435			16.778	16.688	21.36	21.16
			105	6475			16.831	16.684	21.36	20.92
			113	6515			16.855	16.696	21.28	20.92
		11be EHT20	97	6435	242T	61	18.972	18.925	21.64	21.36
			105	6475			18.921	18.965	21.40	21.32
			113	6515			18.962	18.957	21.40	21.36
		11be EHT40	99	6445	484T	65	37.675	37.719	41.20	40.80
			115 (Straddle)	6525			37.680	37.695	40.88	40.80
		11be EHT80	103	6465	996T	67	77.140	77.028	83.52	82.88
		11be EHT160	111 (Straddle)	6505	SU		156.410	156.580	169.60	168.32

9.2.3. VERY LOW POWER UNII-7

Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	99% Bandwidth (MHz)		26dB Bandwidth (MHz)	
							Tx0	Tx1	Tx0	Tx1
UNII_7	2	11a	117	6535			16.644	16.638	21.32	21.16
			153	6715			16.687	16.656	21.20	21.12
			185 (Straddle)	6875			16.849	16.689	21.32	20.84
		11be EHT20	117	6535	242T	61	18.900	18.924	21.48	21.20
			153	6715			17.678	18.064	21.08	20.12
			185 (Straddle)	6875			18.958	18.939	21.44	21.24
		11be EHT40	123	6565	484T	65	37.618	37.646	41.12	41.96
			147	6685			37.608	37.688	41.12	40.72
			179	6845			37.618	37.603	41.96	40.72
		11be EHT80	119 (Straddle)	6545	996T	65	77.150	76.993	83.04	82.88
			151	6705			77.093	77.053	83.52	83.04
			183 (Straddle)	6865			77.164	77.144	83.04	82.88
		11be EHT160	143	6665	SU	67	156.530	156.670	167.68	167.04
			175 (Straddle)	6825			156.430	156.890	167.36	182.72

9.2.4. VERY LOW POWER UNII-8

Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	99% Bandwidth (MHz)		26dB Bandwidth (MHz)	
							Tx0	Tx1	Tx0	Tx1
NII_8	2	11a	189	6895			16.846	16.672	21.32	21.32
			209	6995			16.793	16.686	21.24	21.12
			229	7095			16.794	16.662	21.36	21.08
		11be EHT20	189	6895	242T	61	18.920	18.916	21.48	21.44
			209	6995			18.933	18.956	21.40	21.28
			229	7095			18.967	18.946	21.56	21.36
		11be EHT40	187 (Straddle)	6885	484T	65	37.691	37.684	41.12	40.72
			203	6965			37.733	37.727	41.04	40.80
			227	7085			37.662	37.614	41.28	40.64
		11be EHT80	199	6945	996T	65	77.158	77.092	82.88	82.56
			215	7025			77.252	77.124	83.04	83.20
		11be EHT160	207	6985	SU	67	156.68	156.54	177.60	168.32

9.3. VERY LOW POWER OUTPUT POWER AND PSD

LIMITS

FCC §15.407

(a) (9) For very low power devices operating in the 5.925-7.125 GHz band, the maximum power spectral density must not exceed -5 dBm e.i.r.p in any 1-megahertz band and the maximum e.i.r.p must not exceed 14 dBm.

DIRECTIONAL ANTENNA GAIN

For 2 TX:

CDD MIMO Tx chains used uncorrelated gain for EIRP calculation and correlated gain for PSD EIRP calculation; The directional gains are as follows:

Band	Frequency Range (MHz)	Antenna Gain Peak Gain		Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
		Tx0 (dBi)	Tx1 (dBi)		
NII_5	5925 - 6425	-3.80	-2.20	-2.93	0.05
NII_6	6425 - 6525	-5.20	-0.80	-2.47	0.29
NII_7	6525 - 6875	-5.50	-1.50	-3.05	-0.26
NII_8	6875 - 7125	-6.90	-0.10	-2.29	0.16

Directional Gain Calculation:

ANSI C63.10-2013 section 14.4.3

Uncorrelated directional gain= $10 \cdot \text{LOG}((10^{(\text{Tx0}/10)} + 10^{(\text{Tx1}/10)})/2)$

Correlated directional Gain= $10 \cdot \text{LOG}(((10^{(\text{Tx0}/20)} + 10^{(\text{Tx1}/20)})^2)/2)$

Sample Calculation at UNII-5 Band:

Tx0=-3.8dBi, Tx1=-2.2dBi

Uncorrelated Antenna gain= $10 \log[(10^{(-3.8/10)} + 10^{(-2.2/10)})/2] = -2.93 \text{ dBi}$

Correlated Antenna gain= $10 \log[(10^{(-3.8/20)} + 10^{(-2.2/20)})^2/2] = 0.05 \text{ dBi}$

POWER CALCULATION:

P= measured conducted avg power (including cable loss + 10dB attenuator)

DCCF= duty cycle correction factor in dB

2Tx Total Corrected EIRP Power with DCCF (dBm)=

$10\log[10^{((P1+DCCF)/10)} + 10^{((P2+DCCF)/10)}] + (\text{uncorrelated directional gain})$

Sample Calculation VLP UNII-5 EHT20 242T MIMO:

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

$10\log[10^{((1.97+0.15)/10)} + 10^{((1.32+0.15)/10)}] + (-2.93) = 1.89 \text{ dBm}$

PSD CALCULATION:

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

DCCF= duty cycle correction factor in dB

2Tx Corrected EIRP PSD with DCCF (dBm/1MHz)=

$10\log[10^{((PSD1+DCCF)/10)} + 10^{((PSD2+DCCF)/10)}] + (\text{correlated directional gain})$

Sample Calculation VLP UNII-5 EHT20 242T MIMO:

2Tx Corrected EIRP PSD with DCCF (dBm/1MHz)=

$10\log[10^{((-8.055+0.15)/10)} + 10^{((-8.871+0.15)/10)}] + (0.05) = -5.24 \text{ dBm/MHz}$

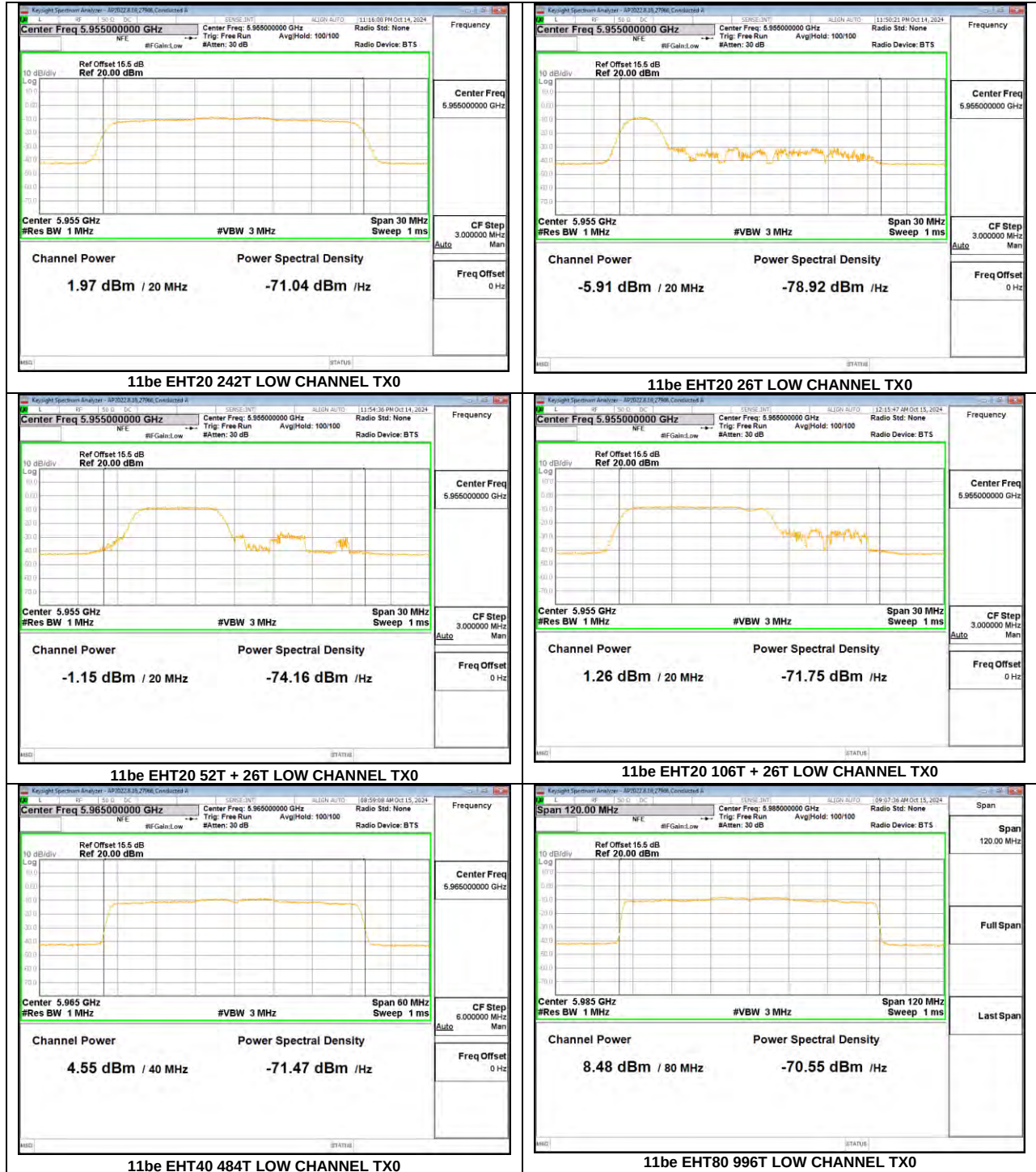
RESULTS

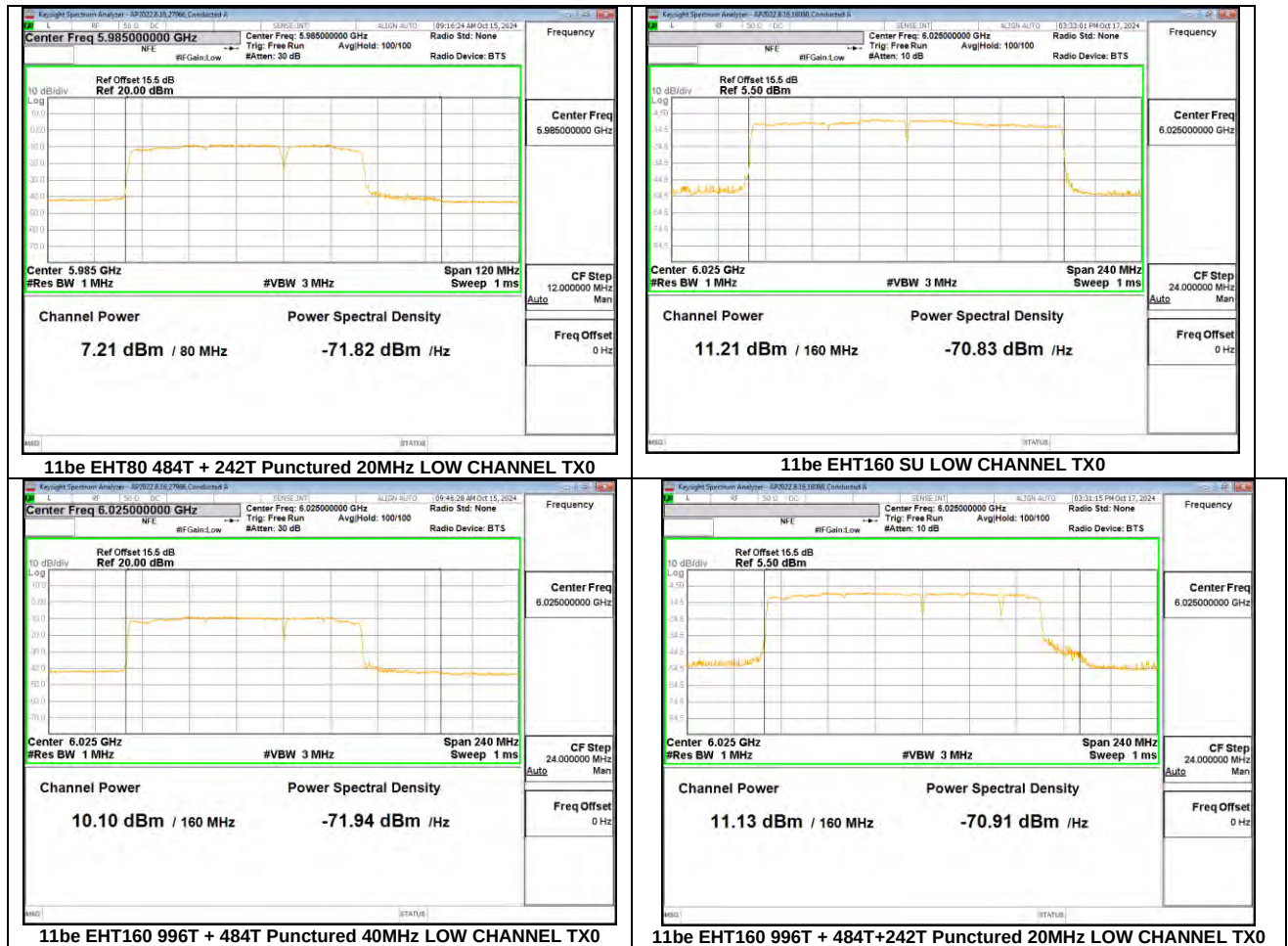
Partial plots included in PSD for each band are representative of the method and settings parameters used for the test. Partial power plots only shown in UNII-5 as representative of the method and settings parameters used for the test.

Test Engineer:	ZS 16080
Test Date:	2024-10-09 to 2025-02-27

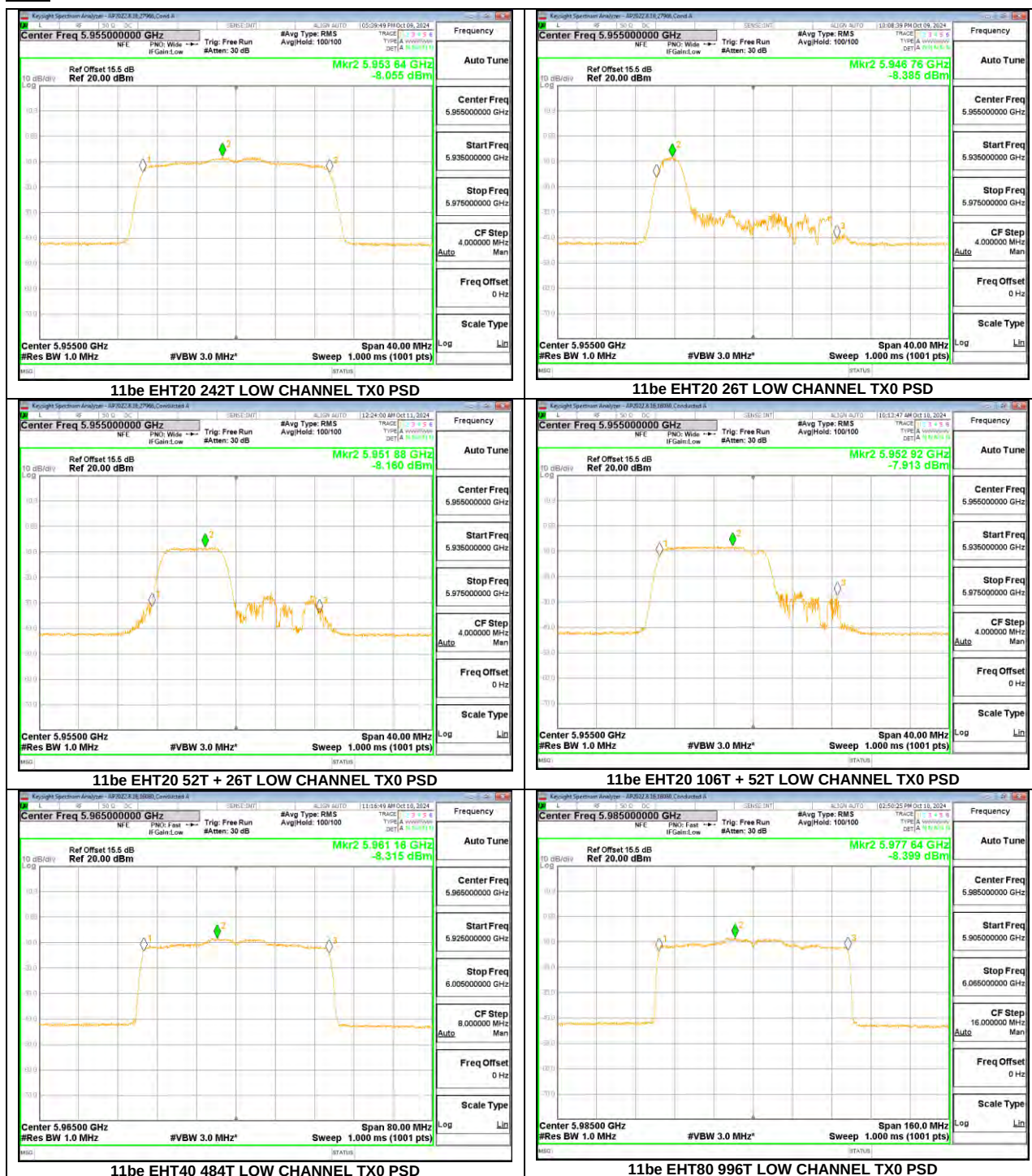
9.3.1. UNII-5

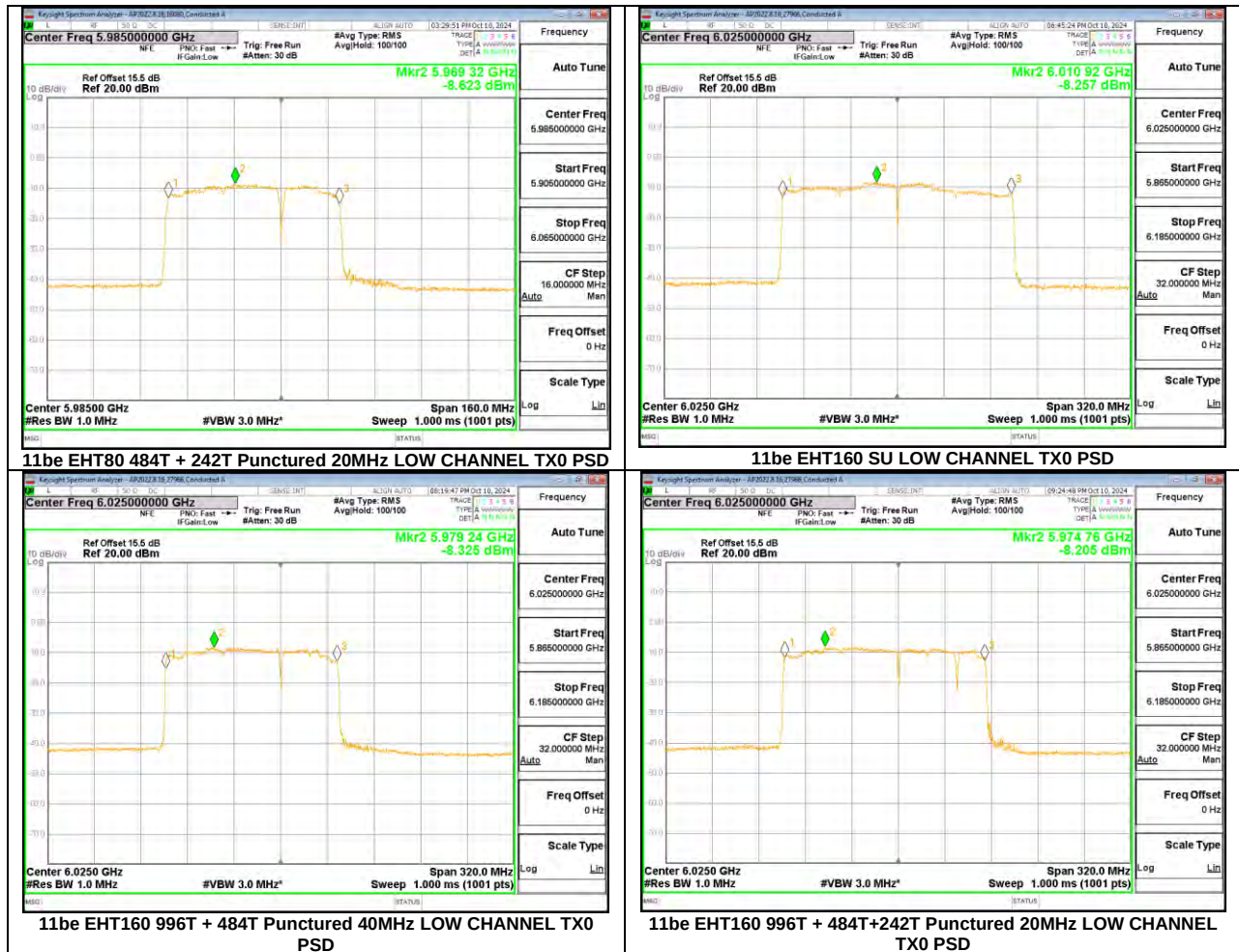
Band (GHz)	No. of Tx	Mode	Channel	Frequency (MHz)	Tones	RU Index	Antenna Peak Gain (dBi)	Antenna Peak Gain (dBi)	Uncorrelated Directional Gain for Power (dBi)	Correlated Directional Gain for PSD (dBi)	Measured Conducted Avg Power (dBm)	Measured Conducted Avg Power (dBm)	Total Corrected EIRP Power with DCCF (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)	Measured PSD (dBm/1MHz)	Measured PSD (dBm/1MHz)	Corrected EIRP PSD with DCCF (dBm/1MHz)	EIRP PSD Limit (dBm/1MHz)	EIRP PSD Margin (dB)
							Tx0	Tx1			Tx0	Tx1				Tx0	Tx1			
NII_5 (VLP)	2	11a	1	5955			-3.8	-2.2	-2.93	0.05	1.82	1.17	1.59	14.00	-12.41	-8.075	-8.872	-5.40	-5.00	-0.40
			45	6175			-3.8	-2.2	-2.93	0.05	1.89	1.64	1.85	14.00	-12.15	-8.629	-8.826	-5.67	-5.00	-0.67
			93	6415			-3.8	-2.2	-2.93	0.05	2.00	1.12	1.67	14.00	-12.33	-7.987	-8.796	-5.32	-5.00	-0.32
		11be EHT20	1	5955			-3.8	-2.2	-2.93	0.05	1.97	1.32	1.89	14.00	-12.11	-8.055	-8.871	-5.24	-5.00	-0.24
			45	6175	242T	61	-3.8	-2.2	-2.93	0.05	2.49	2.00	2.48	14.00	-11.52	-8.006	-8.839	-5.20	-5.00	-0.20
			93	6415			-3.8	-2.2	-2.93	0.05	2.26	1.50	2.13	14.00	-11.87	-8.136	-8.746	-5.23	-5.00	-0.23
			1	5955	106T	53	-3.8	-2.2	-2.93	0.05	0.09	-1.03	-0.22	14.00	-14.22	-8.007	-9.149	-5.36	-5.00	-0.36
			45	6175			-3.8	-2.2	-2.93	0.05	-0.05	-0.51	-0.06	14.00	-14.06	-8.511	-8.763	-5.45	-5.00	-0.45
			93	6415			-3.8	-2.2	-2.93	0.05	-0.22	-0.77	-0.27	14.00	-14.27	-8.178	-8.759	-5.27	-5.00	-0.27
			1	5955			-3.8	-2.2	-2.93	0.05	-2.89	-4.00	-3.19	14.00	-17.19	-8.040	-9.202	-5.39	-5.00	-0.39
			45	6175	52T	38	-3.8	-2.2	-2.93	0.05	-2.66	-2.68	-2.45	14.00	-16.45	-8.453	-8.601	-5.34	-5.00	-0.34
			93	6415			-3.8	-2.2	-2.93	0.05	-3.14	-3.79	-3.24	14.00	-17.24	-8.349	-9.005	-5.47	-5.00	-0.47
			1	5955			-3.8	-2.2	-2.93	0.05	-5.91	-6.53	-6.02	14.00	-20.02	-8.385	-8.702	-5.38	-5.00	-0.38
			45	6175	26T	4	-3.8	-2.2	-2.93	0.05	-4.73	-5.29	-4.81	14.00	-18.81	-8.364	-8.696	-5.36	-5.00	-0.36
			93	6415			-3.8	-2.2	-2.93	0.05	-5.90	-6.50	-6.00	14.00	-20.00	-8.193	-8.793	-5.32	-5.00	-0.32
			1	5955			-3.8	-2.2	-2.93	0.05	-1.15	-2.37	-1.63	14.00	-15.63	-8.160	-9.174	-5.58	-5.00	-0.58
			45	6175	52T + 26T	71	-3.8	-2.2	-2.93	0.05	-0.71	-1.23	-0.88	14.00	-14.88	-7.952	-8.628	-5.22	-5.00	-0.22
			93	6415			-3.8	-2.2	-2.93	0.05	-1.44	-2.10	-1.67	14.00	-15.67	-8.305	-8.827	-5.50	-5.00	-0.50
			1	5955			-3.8	-2.2	-2.93	0.05	1.26	0.01	0.76	14.00	-13.24	-7.913	-9.011	-5.37	-5.00	-0.37
			45	6175	106T + 26T	82	-3.8	-2.2	-2.93	0.05	1.24	1.17	1.29	14.00	-12.71	-8.116	-8.564	-5.28	-5.00	-0.28
			93	6415		83	-3.8	-2.2	-2.93	0.05	0.95	0.32	0.73	14.00	-13.27	-7.998	-8.628	-5.24	-5.00	-0.24
		11be EHT40	3	5965			-3.8	-2.2	-2.93	0.05	4.55	3.39	4.40	14.00	-9.60	-8.315	-9.063	-5.31	-5.00	-0.31
			43	6165	484T	65	-3.8	-2.2	-2.93	0.05	4.63	4.79	5.10	14.00	-8.90	-8.461	-8.979	-5.35	-5.00	-0.35
			91	6405			-3.8	-2.2	-2.93	0.05	5.24	4.43	5.24	14.00	-8.76	-8.366	-9.193	-5.40	-5.00	-0.40
		11be EHT80	7	5985			-3.8	-2.2	-2.93	0.05	8.48	7.66	8.69	14.00	-5.31	-8.399	-9.506	-5.35	-5.00	-0.35
			39	6145	996T	67	-3.8	-2.2	-2.93	0.05	7.95	7.32	8.24	14.00	-5.76	-8.566	-9.017	-5.21	-5.00	-0.21
			87	6385			-3.8	-2.2	-2.93	0.05	7.66	7.00	7.94	14.00	-6.06	-8.591	-9.424	-5.42	-5.00	-0.42
			7	5985	484T + 242T	8	-3.8	-2.2	-2.93	0.05	7.21	6.91	7.24	14.00	-6.76	-8.623	-8.862	-5.59	-5.00	-0.59
			39	6145	Puncture 20MHz	4	-3.8	-2.2	-2.93	0.05	6.33	6.73	6.71	14.00	-7.29	-8.445	-8.443	-5.30	-5.00	-0.30
		11be EHT160	87	6385		1	-3.8	-2.2	-2.93	0.05	7.39	6.46	7.12	14.00	-6.88	-8.375	-8.994	-5.53	-5.00	-0.53
			15	6025			-3.8	-2.2	-2.93	0.05	11.21	10.28	11.06	14.00	-2.94	-8.257	-8.760	-5.23	-5.00	-0.23
			47	6185			-3.8	-2.2	-2.93	0.05	11.07	10.35	11.02	14.00	-2.98	-8.209	-8.786	-5.22	-5.00	-0.22
			79	6345			-3.8	-2.2	-2.93	0.05	11.13	10.32	11.04	14.00	-2.96	-8.219	-8.755	-5.21	-5.00	-0.21
			15	6025	996T + 484T	192	-3.8	-2.2	-2.93	0.05	10.10	9.97	10.29	14.00	-3.71	-8.325	-8.913	-5.34	-5.00	-0.34
			47	6185	Puncture 40MHz	48	-3.8	-2.2	-2.93	0.05	10.10	9.63	10.13	14.00	-3.87	-8.445	-8.667	-5.33	-5.00	-0.33
			79	6345		3	-3.8	-2.2	-2.93	0.05	10.30	9.98	10.40	14.00	-3.60	-8.119	-8.967	-5.29	-5.00	-0.29
			15	6025	996T + 484T + 242T	128	-3.8	-2.2	-2.93	0.05	11.13	10.21	10.97	14.00	-3.03	-8.205	-9.266	-5.48	-5.00	-0.48
			47	6185	Puncture 20MHz	16	-3.8	-2.2	-2.93	0.05	10.71	10.38	10.82	14.00	-3.18	-8.259	-8.938	-5.36	-5.00	-0.36
			79	6345		1	-3.8	-2.2	-2.93	0.05	10.85	10.41	10.91	14.00	-3.09	-8.477	-9.165	-5.58	-5.00	-0.58

POWER



PSD

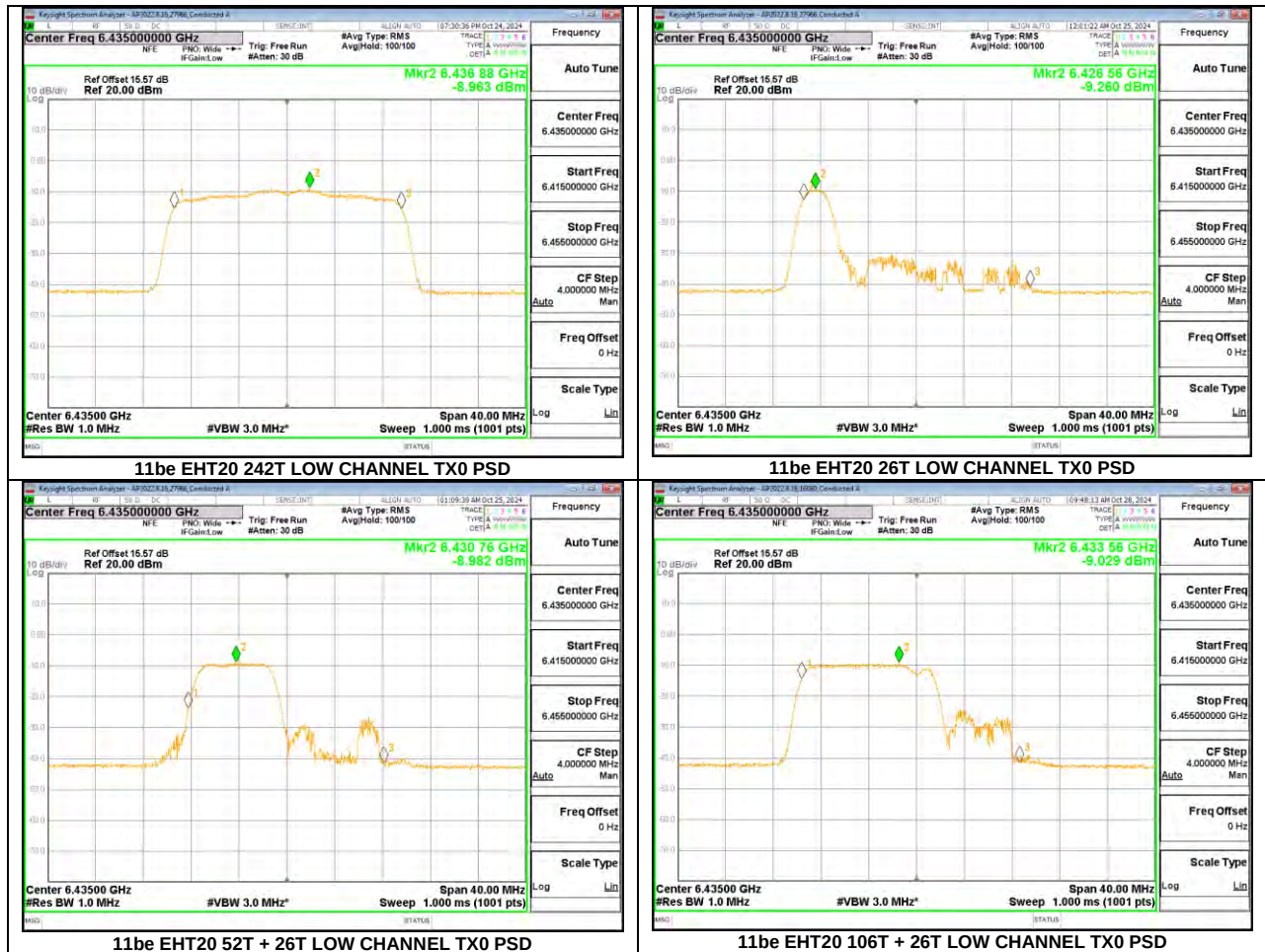


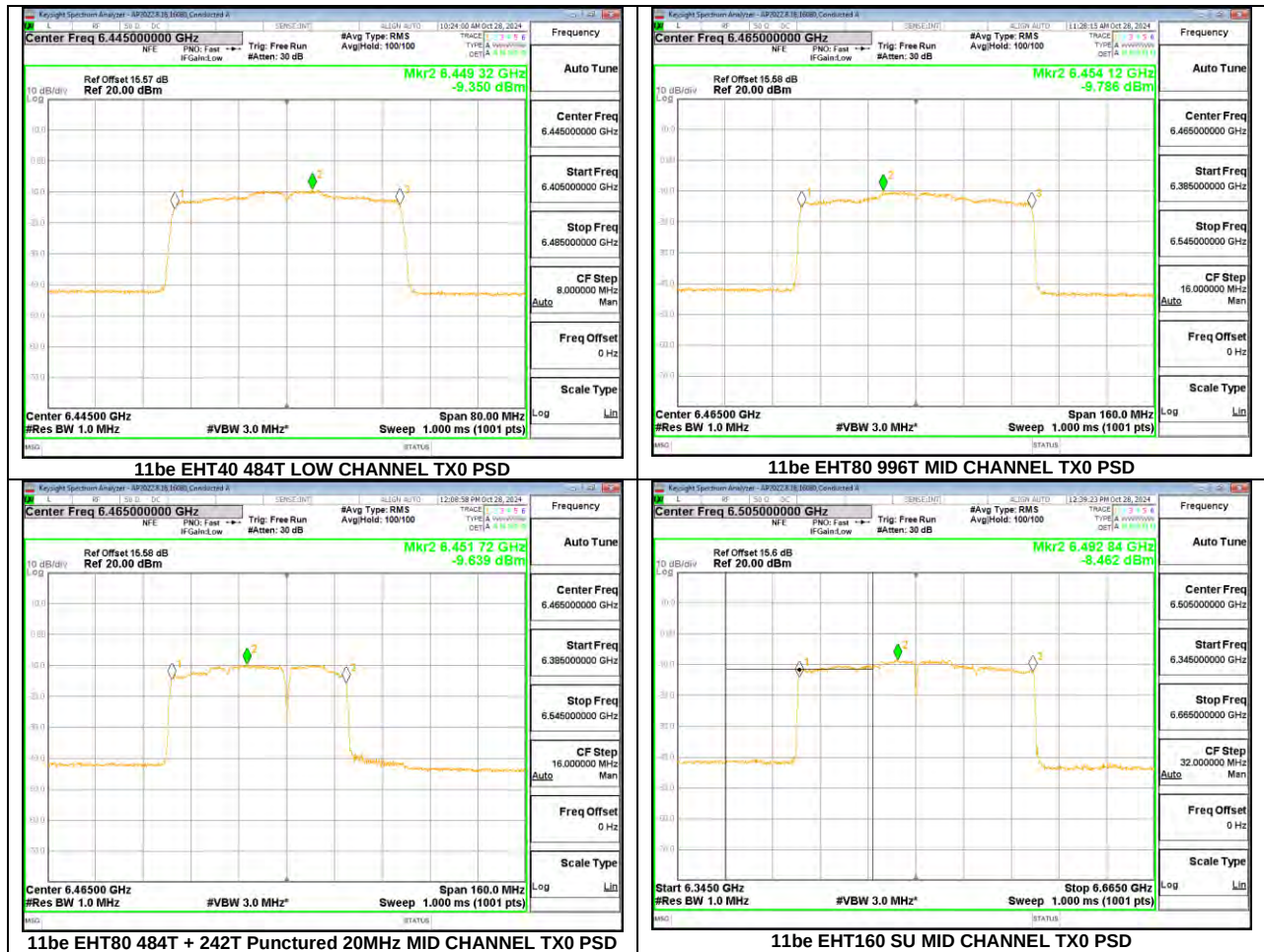


9.3.2. UNII-6

Band (GHz)	No. of Tx	Mode	Channel	Frequency (MHz)	Tones	RU Index	Antenna Peak Gain (dBi)	Antenna Peak Gain (dBi)	Uncorrelated Directional Gain for Power (dBi)	Correlated Directional Gain for PSD (dBi)	Measured Conducted Avg Power (dBm)	Measured Conducted Avg Power (dBm)	Total Corrected ERP Power with DCCF (dBm)	ERP Power Limit (dBm)	Power Margin (dB)	Measured PSD (dBm/1MHz)	Measured PSD (dBm/1MHz)	Corrected ERP PSD with DCCF (dBm/1MHz)	ERP PSD Limit (dBm/1MHz)	ERP PSD Margin (dB)
NII_6 (VLP)	2	11a	97	6435	242T	61	-5.2	-0.8	-2.47	0.29	1.00	1.47	1.79	14.00	-12.21	-8.791	-8.400	-5.29	-5.00	-0.29
			105	6475			-5.2	-0.8	-2.47	0.29	1.12	1.50	1.86	14.00	-12.14	-8.719	-8.365	-5.24	-5.00	-0.24
			113	6515			-5.2	-0.8	-2.47	0.29	1.16	1.36	1.81	14.00	-12.19	-8.882	-8.562	-5.42	-5.00	-0.42
			97	6435	106T	53	-5.2	-0.8	-2.47	0.29	1.18	1.69	2.13	14.00	-11.87	-8.963	-8.518	-5.29	-5.00	-0.29
			105	6475			-5.2	-0.8	-2.47	0.29	1.28	1.78	2.23	14.00	-11.77	-9.099	-8.305	-5.24	-5.00	-0.24
			113	6515			-5.2	-0.8	-2.47	0.29	1.22	1.99	2.31	14.00	-11.69	-9.176	-8.407	-5.33	-5.00	-0.33
			97	6435	52T	37	-5.2	-0.8	-2.47	0.29	-1.28	-0.07	0.04	14.00	-13.96	-9.325	-8.452	-5.44	-5.00	-0.44
			105	6475			-5.2	-0.8	-2.47	0.29	-1.31	-0.24	-0.07	14.00	-14.07	-9.445	-8.428	-5.48	-5.00	-0.48
			113	6515			-5.2	-0.8	-2.47	0.29	-0.89	-0.33	0.07	14.00	-13.93	-9.463	-8.421	-5.49	-5.00	-0.49
			97	6435	26T	40	-5.2	-0.8	-2.47	0.29	-4.20	-2.95	-2.85	14.00	-16.85	-9.315	-8.372	-5.39	-5.00	-0.39
			105	6475			-5.2	-0.8	-2.47	0.29	-4.04	-3.00	-2.81	14.00	-16.81	-9.402	-8.440	-5.47	-5.00	-0.47
			113	6515			-5.2	-0.8	-2.47	0.29	-3.95	-3.01	-3.05	14.00	-17.05	-9.394	-8.504	-5.50	-5.00	-0.50
			97	6435	52T + 26T	71	-5.2	-0.8	-2.47	0.29	-6.93	-5.99	-5.78	14.00	-19.78	-9.260	-8.349	-5.38	-5.00	-0.38
			105	6475			-5.2	-0.8	-2.47	0.29	-6.28	-4.99	-4.92	14.00	-18.92	-9.228	-8.539	-5.47	-5.00	-0.47
			113	6515			-5.2	-0.8	-2.47	0.29	-7.05	-5.99	-5.84	14.00	-19.84	-9.312	-8.312	-5.38	-5.00	-0.38
			97	6435	106T + 26T	82	-5.2	-0.8	-2.47	0.29	-2.15	-1.51	-1.27	14.00	-15.27	-8.982	-8.387	-5.38	-5.00	-0.38
			105	6475			-5.2	-0.8	-2.47	0.29	-1.85	-1.14	-0.94	14.00	-14.94	-9.107	-8.043	-5.25	-5.00	-0.25
			113	6515			-5.2	-0.8	-2.47	0.29	-2.27	-1.21	-1.16	14.00	-15.16	-9.494	-8.222	-5.48	-5.00	-0.48
			97	6435	484T + 242T	83	-5.2	-0.8	-2.47	0.29	-0.18	0.96	0.97	14.00	-13.03	-9.029	-8.308	-5.36	-5.00	-0.36
			105	6475			-5.2	-0.8	-2.47	0.29	0.45	1.42	1.51	14.00	-12.49	-9.250	-8.061	-5.32	-5.00	-0.32
			113	6515			-5.2	-0.8	-2.47	0.29	0.29	1.27	1.35	14.00	-12.65	-9.172	-8.227	-5.38	-5.00	-0.38
		11b EHT40	99	6445	484T	65	-5.2	-0.8	-2.47	0.29	4.61	5.35	5.84	14.00	-8.16	-9.350	-8.667	-5.40	-5.00	-0.40
			115 (Straddle)	6525			-5.2	-0.8	-2.47	0.29	4.93	5.18	5.91	14.00	-8.09	-9.433	-8.551	-5.37	-5.00	-0.37
		11b EHT80	103	6465	996T	67	-5.2	-0.8	-2.47	0.29	7.33	7.98	8.73	14.00	-5.27	-9.786	-8.558	-5.32	-5.00	-0.32
			103	6465			-5.2	-0.8	-2.47	0.29	6.62	7.36	7.64	14.00	-6.36	-9.639	-8.717	-5.77	-5.00	-0.77
		11b EHT160	111 (Straddle)	6505	996T + 484T Puncture 20MHz	3	-5.2	-0.8	-2.47	0.29	11.33	10.89	11.78	14.00	-2.22	-8.462	-9.066	-5.25	-5.00	-0.25
			111 (Straddle)	6505			-5.2	-0.8	-2.47	0.29	10.77	10.15	11.19	14.00	-2.81	-8.127	-9.439	-5.27	-5.00	-0.27
			111 (Straddle)	6505			-5.2	-0.8	-2.47	0.29	10.86	10.30	11.32	14.00	-2.68	-8.940	-9.311	-5.61	-5.00	-0.61

PSD







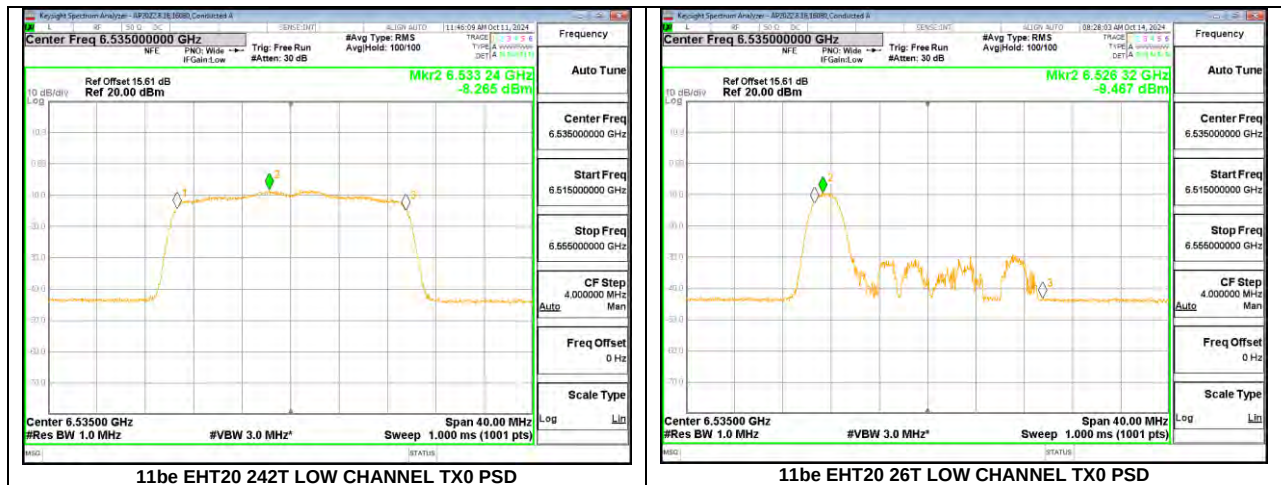
9.3.3. UNII-7

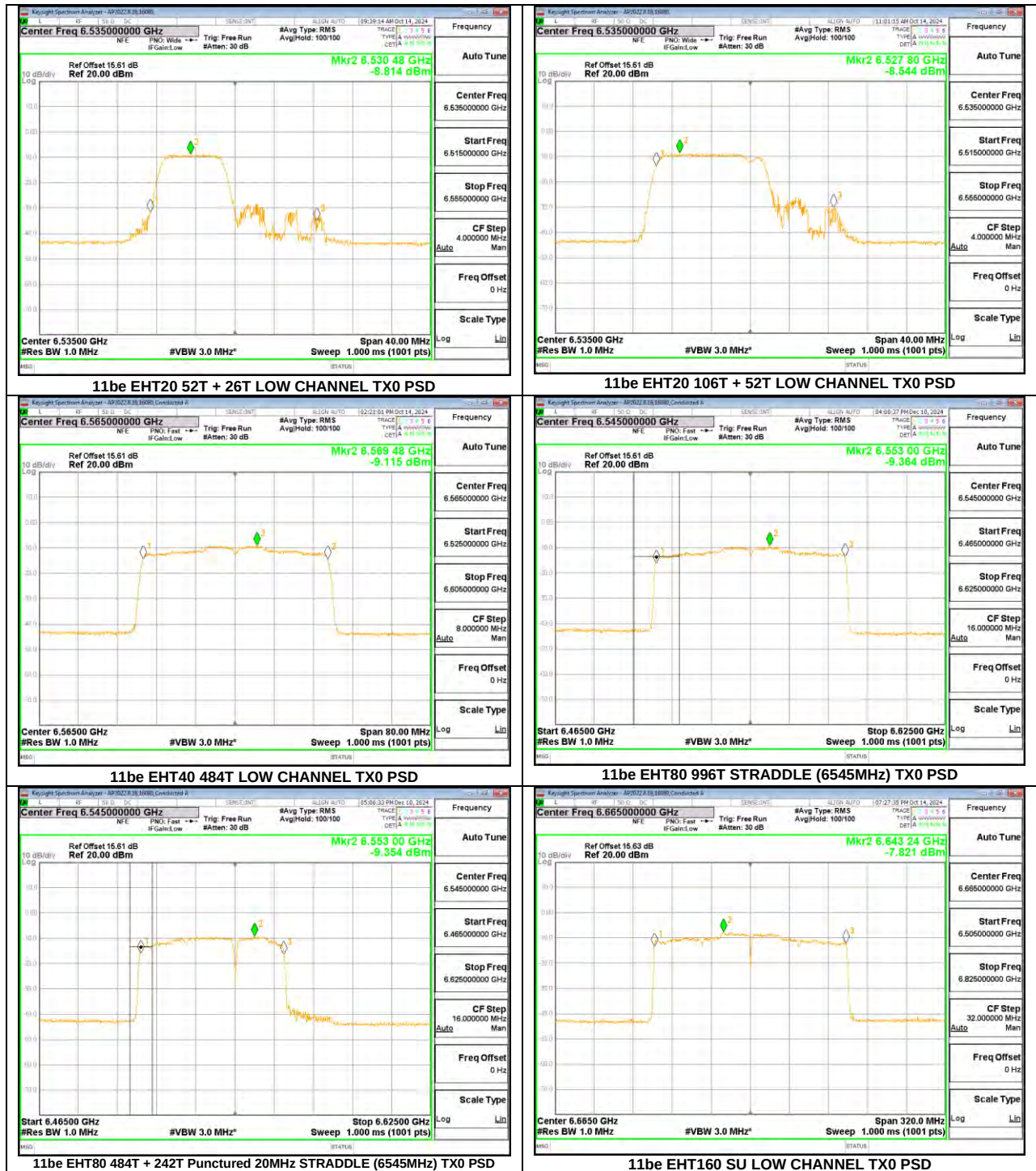
Band (GHz)	No. of Tx	Mode	Channel	Frequency (MHz)	Tones	RU Index	Antenna Peak Gain (dBi)	Antenna Peak Gain (dBi)	Uncorrelated Directional Gain for Power	Correlated Directional Gain for PSD	Measured Conducted Avg Power (dBm)	Measured Conducted Avg Power (dBm)	Total Corrected EIRP Power with DCCF	EIRP Power Limit (dBm)	Power Margin (dB)	PSD (dBm/1MHz)	PSD (dBm/1MHz)	Corrected EIRP PSD with DCCF (dBm/1MHz)	EIRP Limit (dBm/1MHz)	EIRP PSD Margin (dB)		
							Tx0	Tx1	(dBi)	(dBi)	Tx0	Tx1	(dBm)	(dBm)	(dB)	Tx0	Tx1					
NII_7 (VLP)	2	11a	117	6535			-5.5	-1.5	-3.05	-0.26	1.90	2.31	2.07	14.00	-11.93	-8.660	-7.804	-5.46	-5.00	-0.46		
			153	6715			-5.5	-1.5	-3.05	-0.26	1.49	1.92	1.67	14.00	-12.33	-8.683	-7.919	-5.54	-5.00	-0.54		
			*185 (Straddle)	6875			-6.9	-0.1	-2.29	0.16	1.42	2.21	2.56	14.00	-11.44	-8.728	-8.265	-5.32	-5.00	-0.32		
			117	6535	242T	61	-5.5	-1.5	-3.05	-0.26	2.15	2.82	2.60	14.00	-11.40	-8.265	-8.069	-5.27	-5.00	-0.27		
			153	6715			-5.5	-1.5	-3.05	-0.26	1.81	2.48	2.26	14.00	-11.74	-8.937	-8.165	-5.64	-5.00	-0.64		
			*185 (Straddle)	6875			-6.9	-0.1	-2.29	0.16	1.76	2.17	2.84	14.00	-11.16	-9.236	-8.274	-5.41	-5.00	-0.41		
			117	6535			-5.5	-1.5	-3.05	-0.26	-0.02	0.49	0.33	14.00	-13.67	-8.419	-7.969	-5.31	-5.00	-0.31		
			153	6715	106T	53	-5.5	-1.5	-3.05	-0.26	-0.72	0.10	-0.21	14.00	-14.21	-9.016	-8.319	-5.78	-5.00	-0.78		
			*185 (Straddle)	6875			-6.9	-0.1	-2.29	0.16	-1.30	0.68	0.65	14.00	-13.35	-9.792	-8.124	-5.58	-5.00	-0.58		
			117	6535			-37	-5.5	-1.5	-3.05	-0.26	-4.08	-3.00	-3.42	14.00	-17.42	-9.203	-7.946	-5.65	-5.00	-0.65	
			153	6715			-38	-5.5	-1.5	-3.05	-0.26	-4.01	-3.08	-3.43	14.00	-17.43	-9.392	-7.855	-5.67	-5.00	-0.67	
			11be EHT20	*185 (Straddle)	6875	52T	40	-6.9	-0.1	-2.29	0.16	-4.23	-3.44	-2.96	14.00	-16.96	-10.167	-7.861	-5.56	-5.00	-0.56	
		117		6535	0			-5.5	-1.5	-3.05	-0.26	-6.64	-5.36	-5.89	14.00	-19.89	-9.467	-7.981	-5.81	-5.00	-0.81	
		153		6715	26T			4	-5.5	-1.5	-3.05	-0.26	-5.54	-4.46	-4.91	14.00	-18.91	-9.367	-7.873	-5.70	-5.00	-0.70
		*185 (Straddle)		6875					8	-6.9	-0.1	-2.29	0.16	-6.84	-5.05	-5.02	14.00	-19.02	-9.632	-7.930	-5.42	-5.00
		117		6535	52T + 26T	70	-5.5	-1.5	-3.05	-0.26	-1.73	-1.16	-1.48	14.00	-15.48	-8.814	-8.104	-5.70	-5.00	-0.70		
		153		6715			71	-5.5	-1.5	-3.05	-0.26	-1.80	-0.10	-0.91	14.00	-14.91	-8.949	-8.036	-5.72	-5.00	-0.72	
		*185 (Straddle)		6875			72	-6.9	-0.1	-2.29	0.16	-2.64	-1.00	-1.02	14.00	-15.02	-9.972	-7.710	-5.53	-5.00	-0.53	
		117		6535			82	-5.5	-1.5	-3.05	-0.26	0.26	1.00	0.60	14.00	-13.40	-8.544	-7.608	-5.30	-5.00	-0.30	
		153		6715	106T + 26T	83	-5.5	-1.5	-3.05	-0.26	0.08	0.78	0.40	14.00	-13.60	-8.722	-8.139	-5.67	-5.00	-0.67		
		*185 (Straddle)		6875			-6.9	-0.1	-2.29	0.16	-0.80	0.92	0.87	14.00	-13.13	-10.207	-8.164	-5.90	-5.00	-0.90		
		117		6535			-5.5	-1.5	-3.05	-0.26	3.94	4.50	4.49	14.00	-9.51	-9.115	-8.090	-5.52	-5.00	-0.52		
		147		6685			-5.5	-1.5	-3.05	-0.26	4.23	4.70	4.73	14.00	-9.27	-8.779	-8.516	-5.59	-5.00	-0.59		
		11be EHT40	179	6845	484T	65	-5.5	-1.5	-3.05	-0.26	4.55	4.74	4.90	14.00	-9.10	-8.724	-8.372	-5.49	-5.00	-0.49		
			*119 (Straddle)	6545			-5.2	-0.8	-2.47	0.29	6.55	6.53	7.60	14.00	-6.40	-9.364	-9.216	-5.48	-5.00	-0.48		
			151	6705			-5.5	-1.5	-3.05	-0.26	7.35	8.00	8.16	14.00	-5.84	-8.884	-8.159	-5.24	-5.00	-0.24		
			*183 (Straddle)	6865			-6.9	-0.1	-2.29	0.16	7.38	7.24	8.55	14.00	-5.45	-8.865	-8.298	-5.39	-5.00	-0.39		
			11be EHT80	*119 (Straddle)	6545	484T + 242T	8	-5.2	-0.8	-2.47	0.29	5.99	6.49	6.88	14.00	-7.12	-9.354	-8.665	-5.61	-5.00	-0.61	
				151	6705			-2	-5.5	-1.5	-3.05	-0.26	5.85	6.48	6.22	14.00	-7.78	-8.628	-7.637	-5.27	-5.00	-0.27
				*183 (Straddle)	6865			1	-6.9	-0.1	-2.29	0.16	5.97	6.50	7.06	14.00	-6.54	-8.621	-8.046	-5.57	-5.00	-0.57
				143	6665			-5.5	-1.5	-3.05	-0.26	10.86	9.77	10.52	14.00	-3.48	-7.821	-8.807	-5.33	-5.00	-0.33	
				*175 (Straddle)	6825	SU		-6.9	-0.1	-2.29	0.16	10.98	9.60	11.28	14.00	-2.72	-8.298	-9.217	-5.35	-5.00	-0.35	
				11be EHT160	143	6665	996T + 484T Puncture 40MHz	192	-5.5	-1.5	-3.05	-0.26	9.99	9.00	9.65	14.00	-4.35	-7.965	-9.293	-5.66	-5.00	-0.66
			*175 (Straddle)		6825	-6.9			-0.1	-2.29	0.16	9.86	8.88	10.29	14.00	-3.71	-8.285	-9.180	-5.37	-5.00	-0.37	
			143		6665	996T + 484T + 242T Puncture 20MHz			128	-5.5	-1.5	-3.05	-0.26	10.96	9.61	10.48	14.00	-3.52	-8.222	-9.641	-5.93	-5.00
		*175 (Straddle)	6825		-6.9					-0.1	-2.29	0.16	10.80	9.36	11.05	14.00	-2.95	-8.580	-9.728	-5.76	-5.00	-0.76

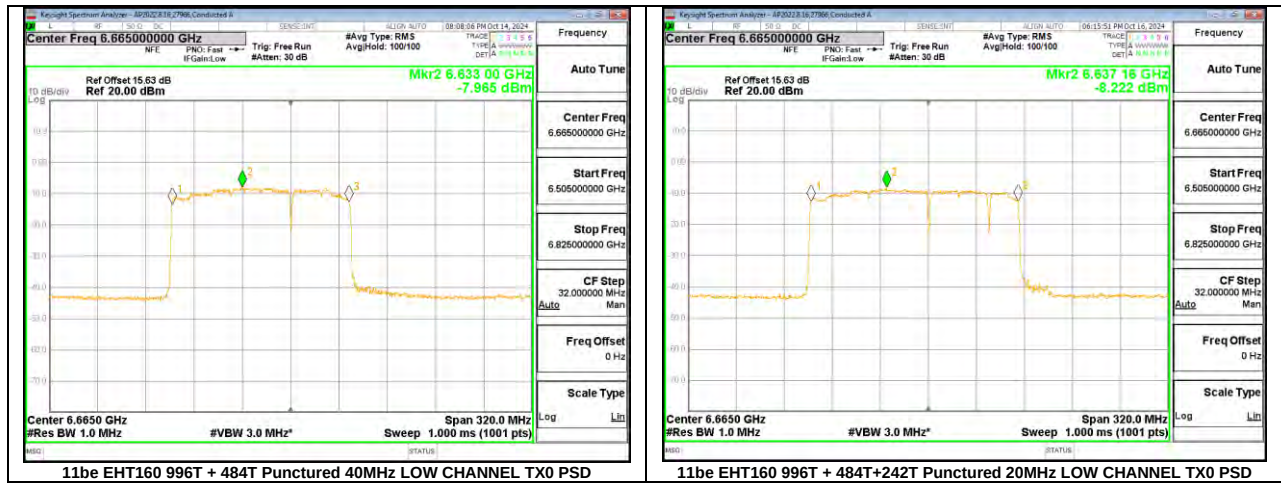
*Straddle channels 185, 183, 175 using UNII-8 uncorrelated/correlated directional gain as worse case.

**Straddle channel 119 using UNII-6 uncorrelated/correlated directional gain as worse case.

PSD



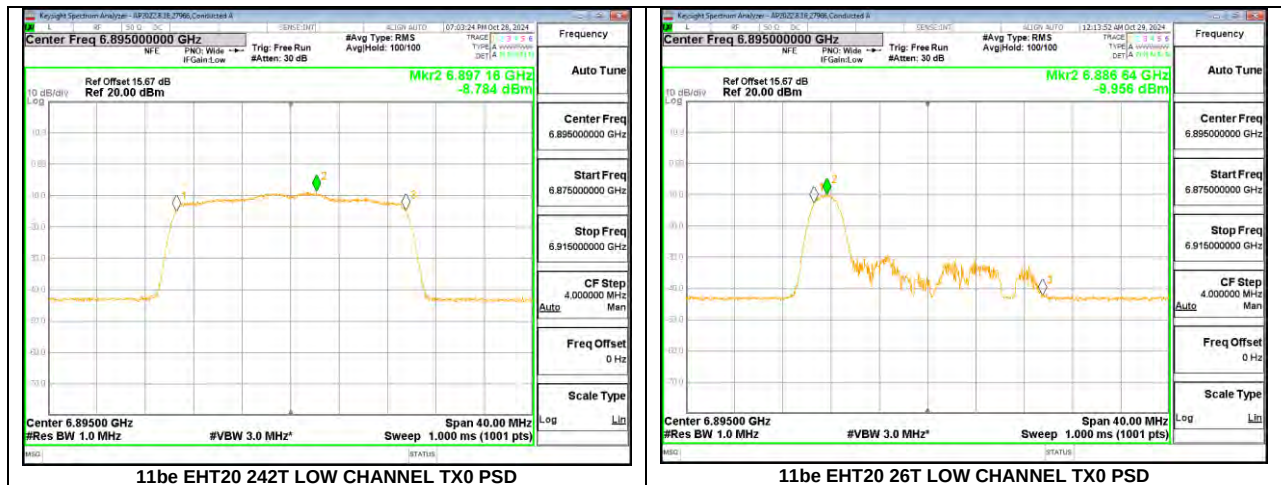


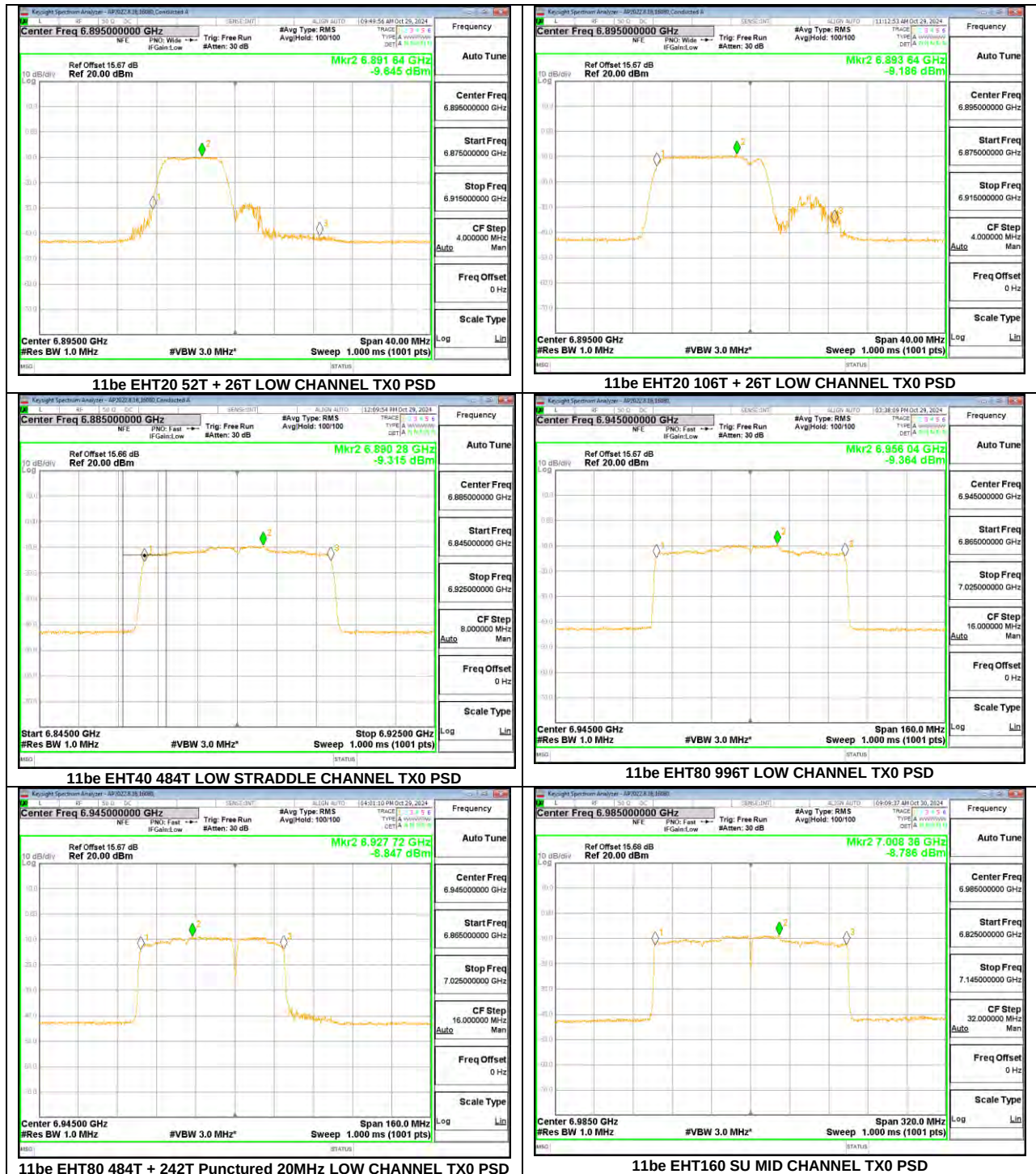


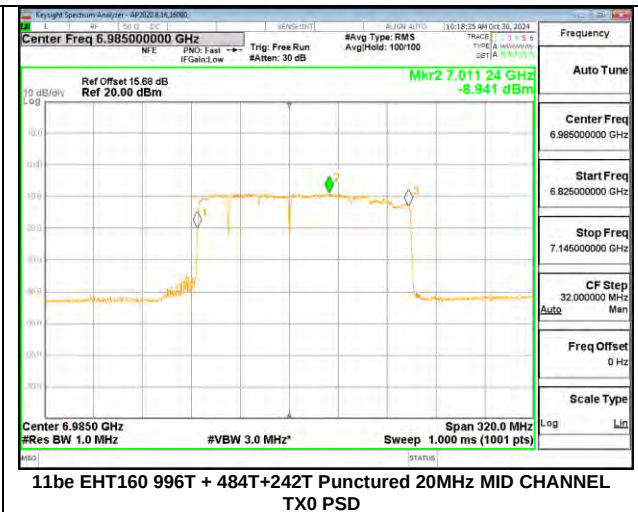
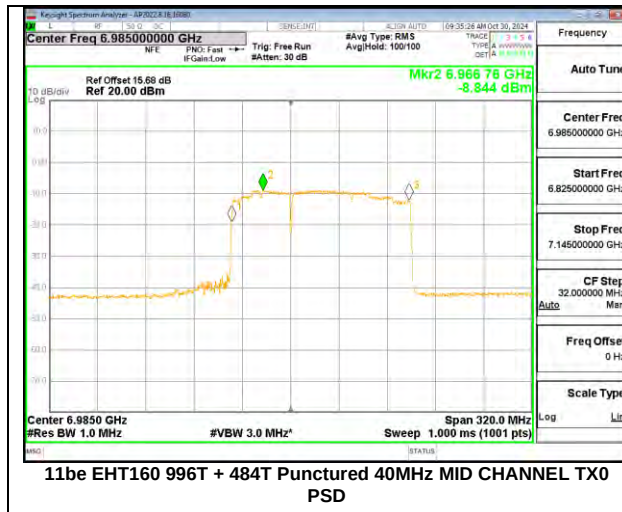
9.3.4. UNII-8

Band (GHz)	No. of Tx	Mode	Channel	Frequency (MHz)	Tones	RU Index	Antenna Peak Gain (dBi) Tx0	Antenna Peak Gain (dBi) Tx1	Uncorrelated Directional Gain for Power (dBi)	Correlated Directional Gain for PSD (dBi)	Measured Conducted Avg Power (dBm) Tx0	Measured Conducted Avg Power (dBm) Tx1	Total Corrected EIRP Power with DCCF (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)	Measured PSD (dBm/1MHz) Tx0	Measured PSD (dBm/1MHz) Tx1	Corrected EIRP PSD with DCCF (dBm/1MHz)	EIRP PSD Limit (dBm/1MHz)	EIRP PSD Margin (dB)	
NII_8 (VLP)	2	11a	11a	189 6895	242T	61	-6.9	-0.1	-2.29	0.16	1.48	2.07	2.51	14.00	-11.49	-8.686	-8.094	-5.21	-5.00	-0.21	
				209 6995			-6.9	-0.1	-2.29	0.16	1.40	2.17	2.53	14.00	-11.47	-8.760	-8.264	-5.34	-5.00	-0.34	
				229 7095			-6.9	-0.1	-2.29	0.16	1.30	2.33	2.57	14.00	-11.43	-9.226	-7.981	-5.39	-5.00	-0.39	
			189 6895	-6.9			-0.1	-2.29	0.16	1.83	2.28	2.93	14.00	-11.07	-8.784	-8.534	-5.34	-5.00	-0.34		
			209 6995	-6.9			-0.1	-2.29	0.16	2.60	2.70	3.52	14.00	-10.48	-8.521	-8.578	-5.23	-5.00	-0.23		
			229 7095	-6.9			-0.1	-2.29	0.16	2.17	2.95	3.45	14.00	-10.55	-8.686	-8.392	-5.22	-5.00	-0.22		
			189 6895	-6.9			-0.1	-2.29	0.16	-0.98	0.80	0.85	14.00	-13.15	-9.792	-7.841	-5.41	-5.00	-0.41		
			209 6995	-6.9			-0.1	-2.29	0.16	-0.73	1.00	1.07	14.00	-12.93	-9.522	-8.024	-5.41	-5.00	-0.41		
			229 7095	-6.9			-0.1	-2.29	0.16	-0.92	0.92	0.95	14.00	-13.05	-9.690	-7.842	-5.37	-5.00	-0.37		
		11be EHT20	11be EHT20	189 6895	53	37	-6.9	-0.1	-2.29	0.16	-4.13	-2.31	-2.27	14.00	-16.27	-9.839	-7.916	-5.47	-5.00	-0.47	
				209 6995	53	38	-6.9	-0.1	-2.29	0.16	-4.19	-2.43	-2.36	14.00	-16.36	-9.673	-8.003	-5.46	-5.00	-0.46	
				229 7095	53	40	-6.9	-0.1	-2.29	0.16	-4.05	-3.03	-2.65	14.00	-16.65	-9.567	-8.270	-5.57	-5.00	-0.57	
			11be EHT20	189 6895	53	0	-6.9	-0.1	-2.29	0.16	-7.10	-5.25	-5.25	14.00	-19.25	-9.956	-7.994	-5.59	-5.00	-0.59	
				209 6995	26T	4	-6.9	-0.1	-2.29	0.16	-6.16	-4.08	-4.17	14.00	-18.17	-9.975	-7.960	-5.58	-5.00	-0.58	
				229 7095	26T	8	-6.9	-0.1	-2.29	0.16	-6.54	-5.38	-5.09	14.00	-19.09	-9.432	-8.007	-5.39	-5.00	-0.39	
			11be EHT20	189 6895	26T	70	-6.9	-0.1	-2.29	0.16	-1.95	-0.22	-0.28	14.00	-14.28	-9.645	-7.603	-5.34	-5.00	-0.34	
				209 6995	52T + 26T	71	-6.9	-0.1	-2.29	0.16	-2.11	-0.33	-0.41	14.00	-14.41	-9.549	-7.840	-5.44	-5.00	-0.44	
				229 7095	52T + 26T	72	-6.9	-0.1	-2.29	0.16	-1.93	-0.35	-0.34	14.00	-14.34	-9.547	-7.749	-5.39	-5.00	-0.39	
		11be EHT40	11be EHT40	189 6895	106T + 26T	82	-6.9	-0.1	-2.29	0.16	0.30	2.12	2.03	14.00	-11.97	-9.186	-8.006	-5.39	-5.00	-0.39	
				209 6995	106T + 26T	83	-6.9	-0.1	-2.29	0.16	0.06	1.97	1.84	14.00	-12.16	-9.672	-7.603	-5.35	-5.00	-0.35	
				229 7095	106T + 26T	83	-6.9	-0.1	-2.29	0.16	0.31	1.62	1.74	14.00	-12.26	-9.186	-7.954	-5.36	-5.00	-0.36	
			11be EHT40	187 (Straddle)	65	-6.9	-0.1	-2.29	0.16	4.33	4.77	5.58	14.00	-8.42	-9.315	-9.015	-5.69	-5.00	-0.69		
				203 6965		-6.9	-0.1	-2.29	0.16	4.41	4.45	5.46	14.00	-8.54	-8.867	-9.211	-5.56	-5.00	-0.56		
				227 7085		-6.9	-0.1	-2.29	0.16	4.05	4.50	5.31	14.00	-8.69	-9.146	-9.148	-5.67	-5.00	-0.67		
			11be EHT80	11be EHT80	199 6945	67	-6.9	-0.1	-2.29	0.16	7.00	6.77	8.12	14.00	-5.88	-9.364	-9.507	-5.75	-5.00	-0.75	
					215 7025		-6.9	-0.1	-2.29	0.16	6.37	7.07	7.97	14.00	-6.03	-8.953	-9.218	-5.40	-5.00	-0.40	
					199 6945		484T + 242T Puncture 20MHz	8	-6.9	-0.1	-2.29	0.16	7.30	6.43	7.70	14.00	-6.30	-8.847	-9.178	-5.75	-5.00
		11be EHT160	11be EHT160	215 7025	1	-6.9	-0.1	-2.29	0.16	6.76	7.26	7.83	14.00	-6.17	-9.146	-8.437	-5.52	-5.00	-0.52		
				207 6985		996T + 484T Puncture 40MHz	3	-6.9	-0.1	-2.29	0.16	10.73	10.00	11.32	14.00	-2.68	-8.786	-8.573	-5.30	-5.00	-0.30
				207 6985		996T + 484T + 242T Puncture 20MHz	1	-6.9	-0.1	-2.29	0.16	10.50	9.97	11.16	14.00	-2.84	-8.941	-8.968	-5.59	-5.00	-0.59

PSD







9.4. VERY LOW POWER SPURIOUS EMISSIONS IN-BAND – EMISSION MASK

LIMITS

FCC §15.407

(b)(7) For transmitters operating within the 5.925-7.125 GHz bands: power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

TEST PROCEDURE

Per KDB 987594 D02 U-NII 6 GHz EMC Measurement Section II (J).

1. Connect output of the antenna port to a spectrum analyzer or EMI receiver, with appropriate attenuation, as to not damage the instrumentation.
2. Set the reference level of the measuring equipment in accordance with procedure 4.1.5.2 of ANSI C63.10-2013.
3. Measure the 26 dB EBW using the test procedure 12.4.1 of ANSI C63.10-2013. (This will be used to determine the channel edge.)
4. Measure the power spectral density (which will be used for emissions mask reference) using the following procedure:
 - a) Set the span to encompass the entire 26 dB EBW of the signal.
 - *b) Set RBW = same RBW used for 26 dB EBW measurement.
 - c) Set VBW $\geq 3 \times$ RBW
 - d) Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$.
 - e) Sweep time = auto.
 - f) Detector = RMS (i.e., power averaging)
 - g) Trace average at least 100 traces in power averaging (rms) mode.

*According to Oct 25 2023 TCB Workshop:

However, as an option, a flat 1 MHz RBW may be used for the measurement of the PSD for placing the channel under the mask so long as 1 MHz is equal or greater than the RBW used for the initial EBW measurement.

→ 20, 40, and 80 MHz channels typically require a RBW of 1 MHz or less.

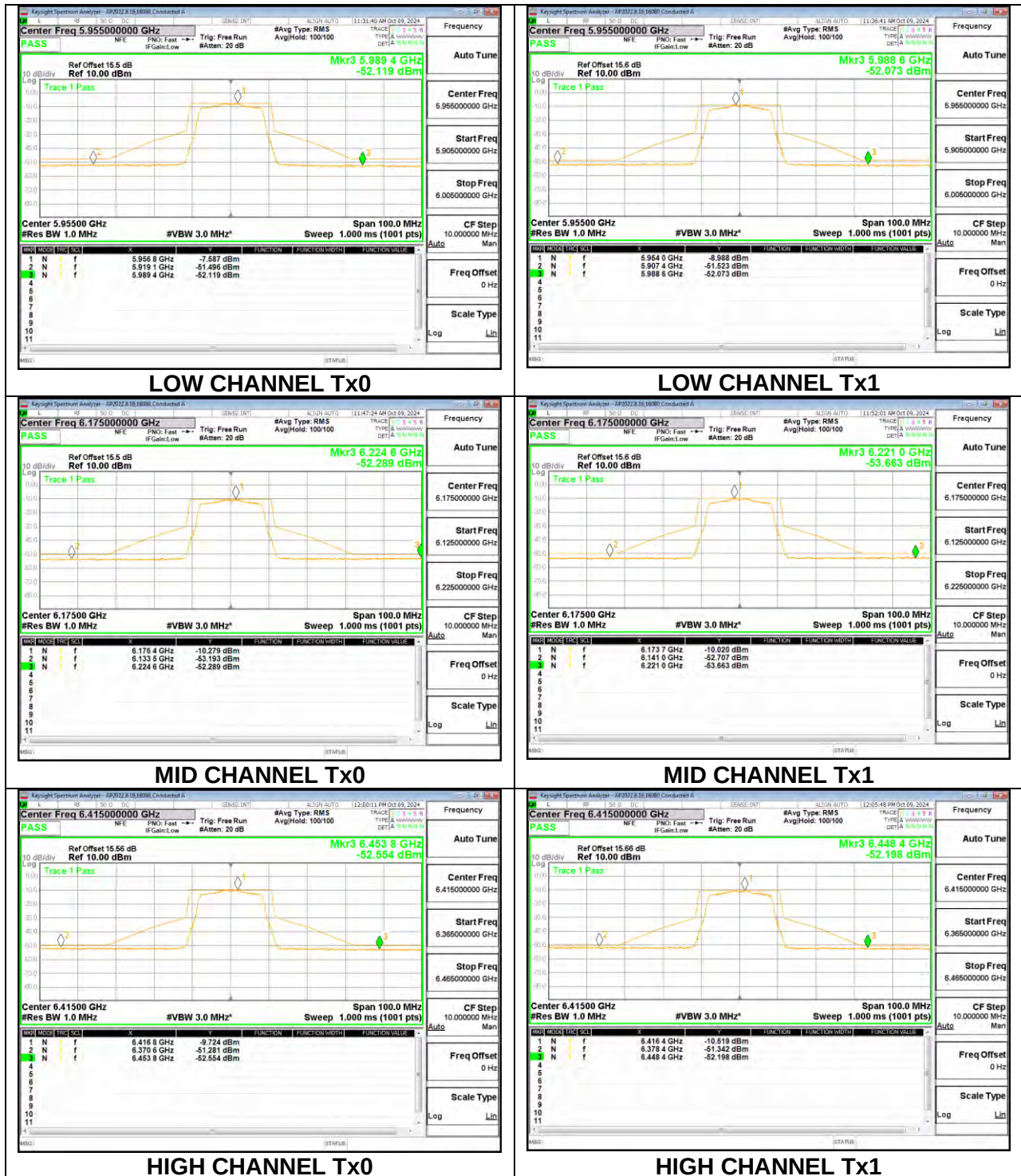
→ 160 and 320 MHz channels typically require a RBW of greater than 1 MHz.

For this report:

1. 1MHz RBW was used for 20, 40MHz channel
2. 1.6MHz RBW (same RBW as 80MHz EBW measurement) was used for 80MHz channel.
3. 3MHz RBW (same RBW as 160MHz EBW measurement) was used for 160MHz channel.

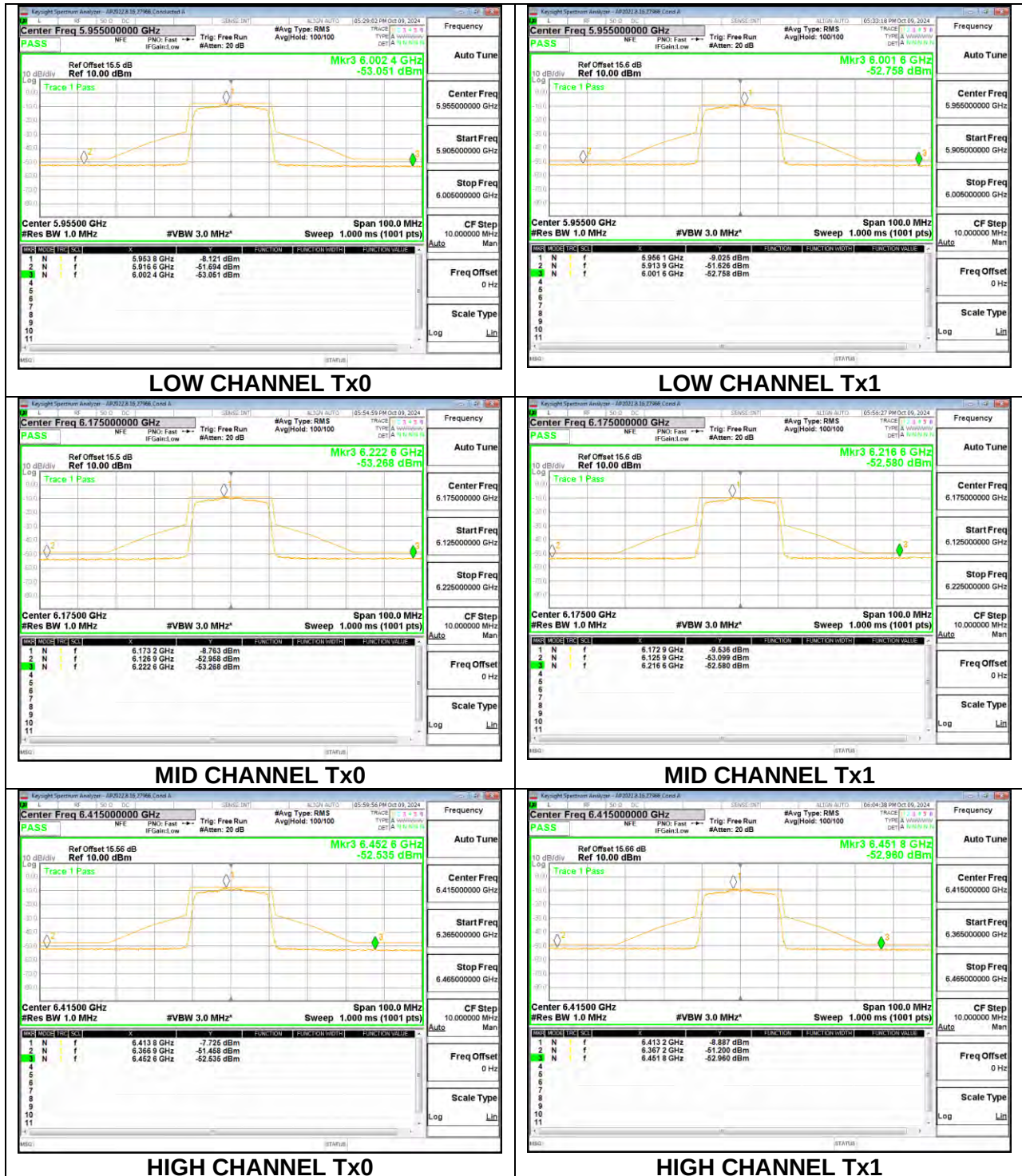
RESULTS

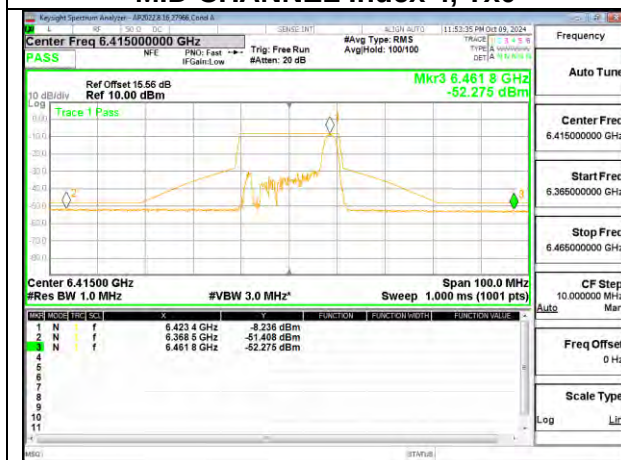
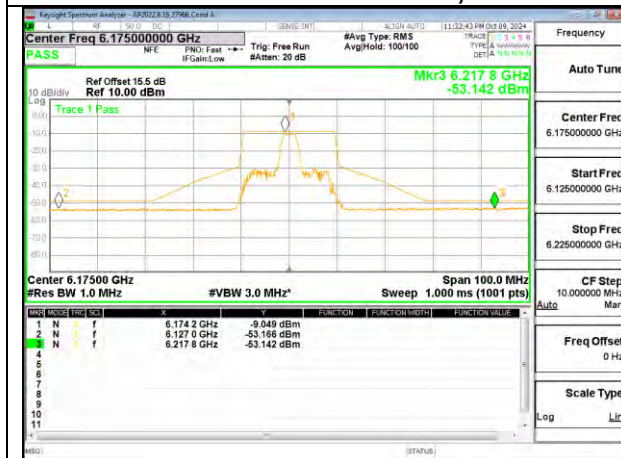
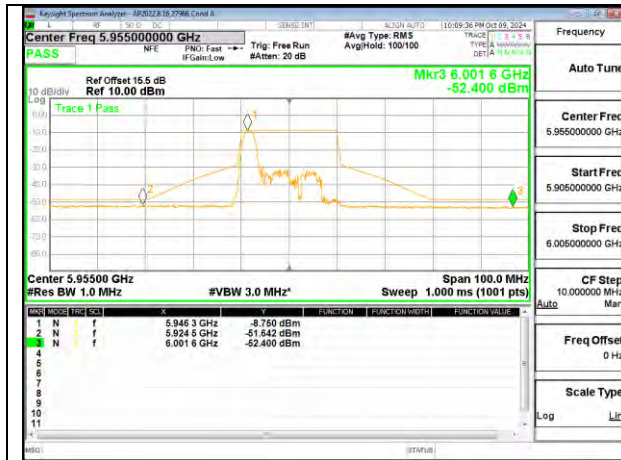
Report shown Full tones and 26Tones plots as worse case.

9.4.1. 802.11a MODE 2TX IN THE UNII-5**2TX Tx0 + Tx1 CDD**

9.4.2. 802.11be EHT20 MODE 2TX IN THE UNII-5

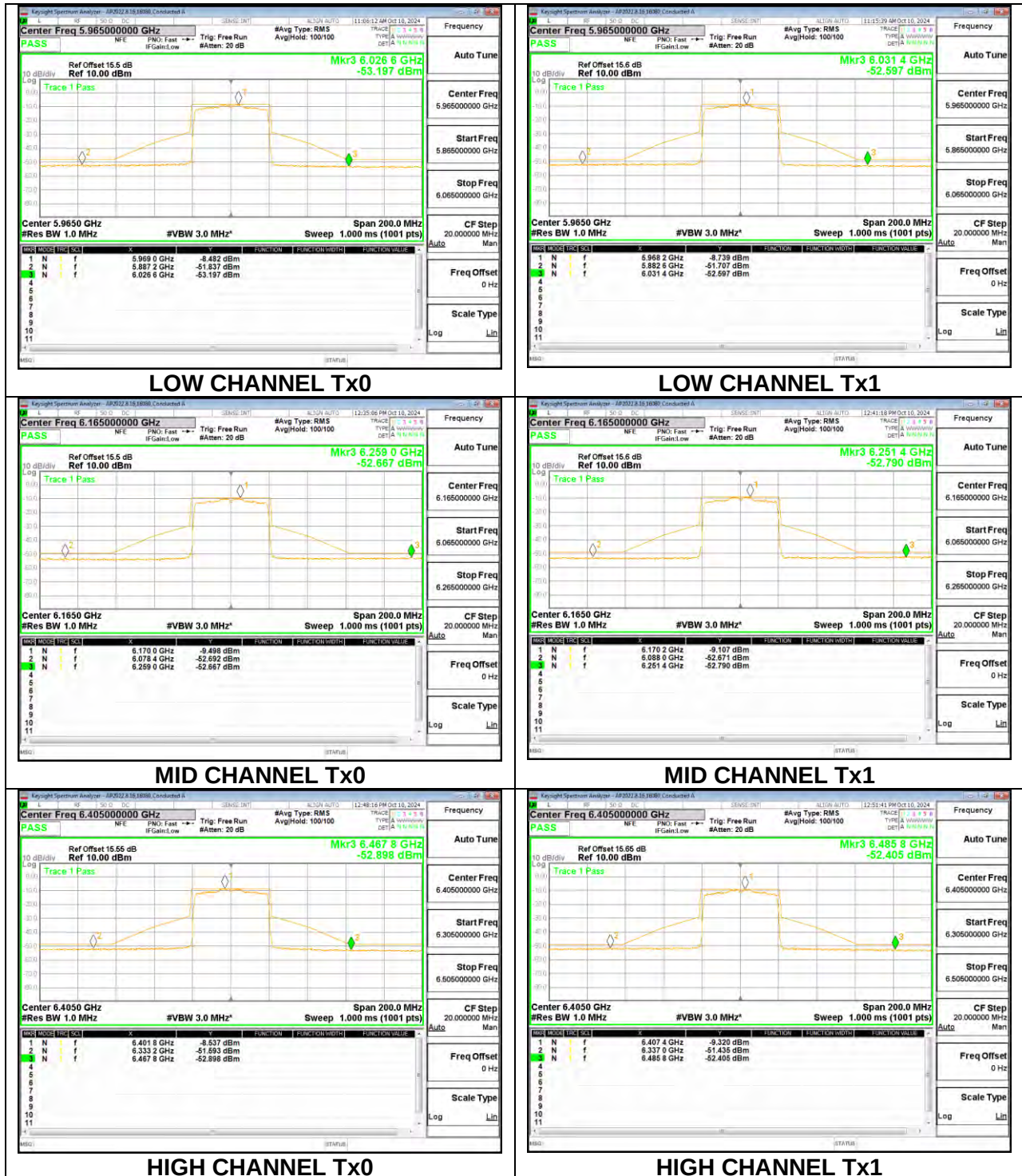
2TX Tx0 + Tx1 OFDMA MODE: 242T, RU Index 61



2TX Tx0 + Tx1 OFDMA MODE: 26T

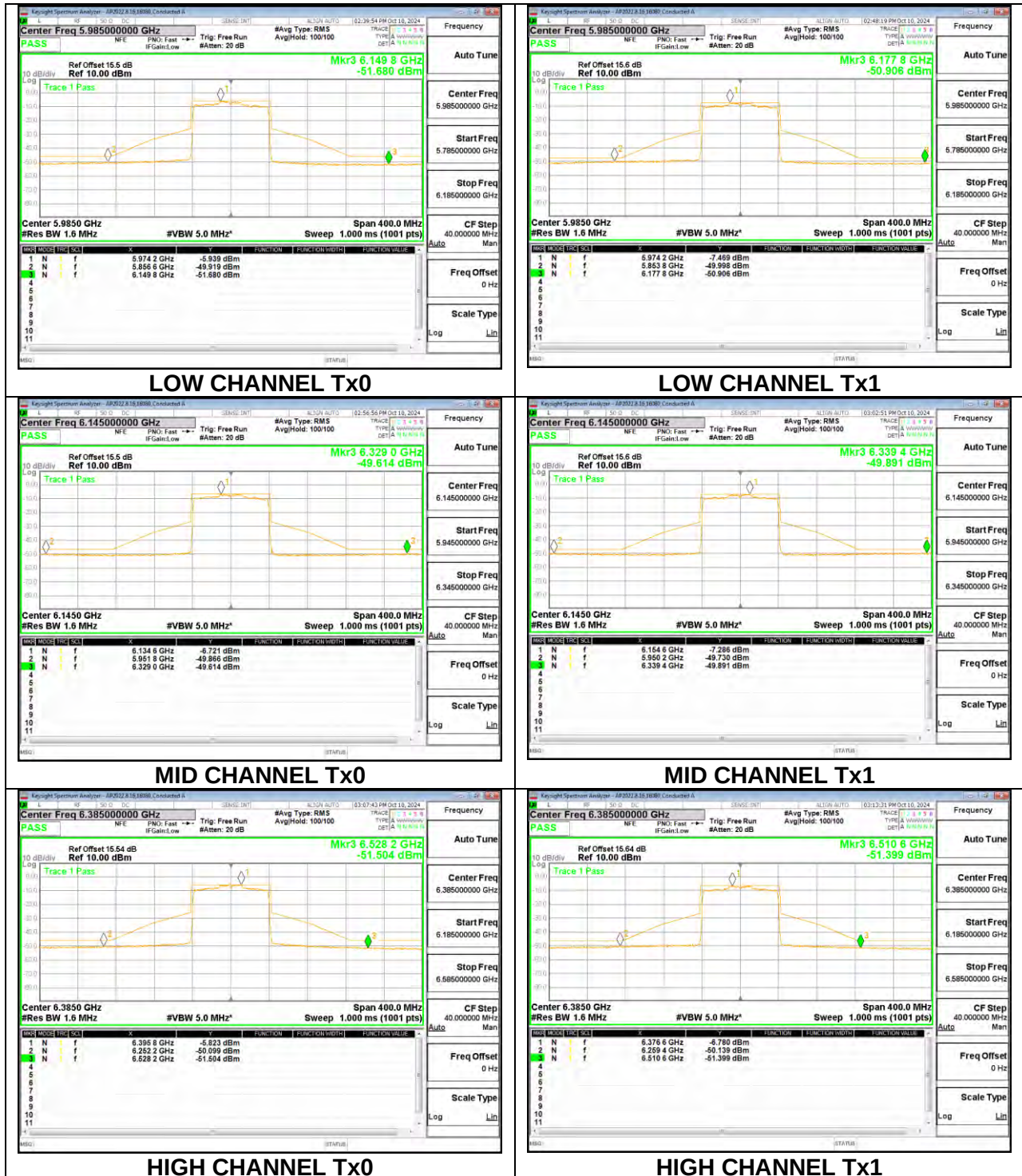
9.4.3. 802.11be EHT40 MODE 2TX IN THE UNII-5

2TX Tx0 + Tx1 OFDMA MODE: 484T, RU Index 65



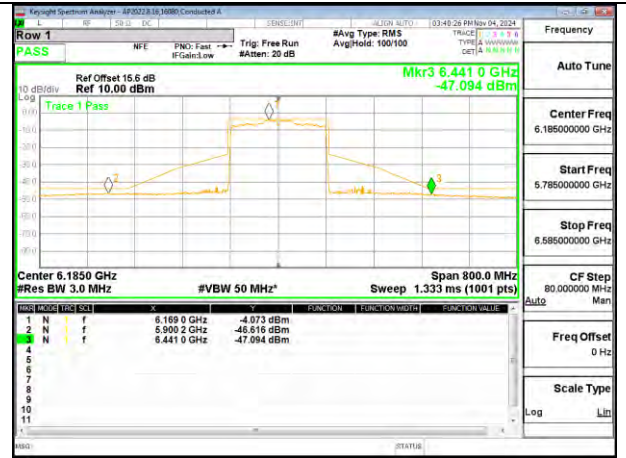
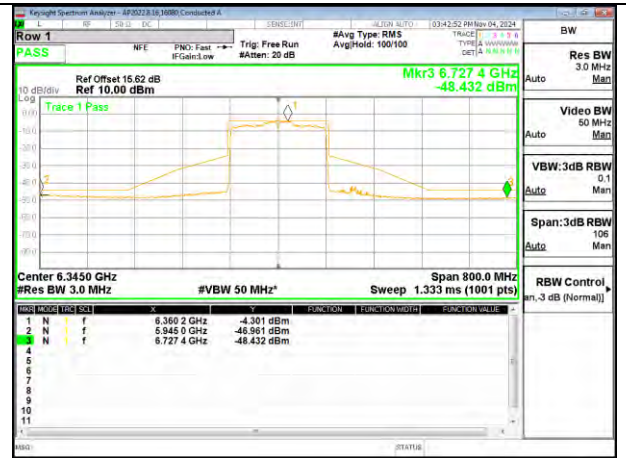
9.4.4. 802.11be EHT80 MODE 2TX IN THE UNII-5

2TX Tx0 + Tx1 OFDMA MODE: 996T, RU Index 67



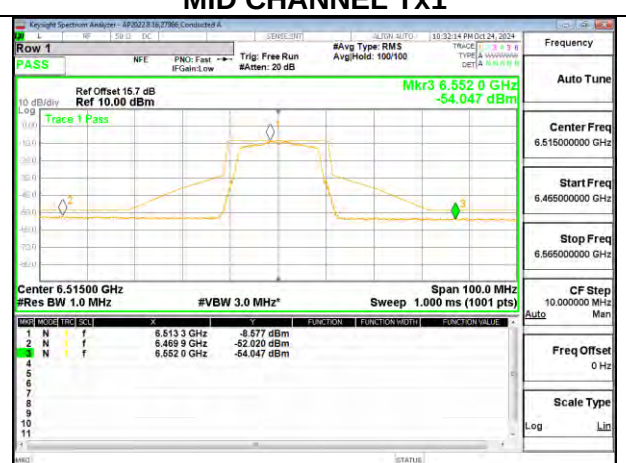
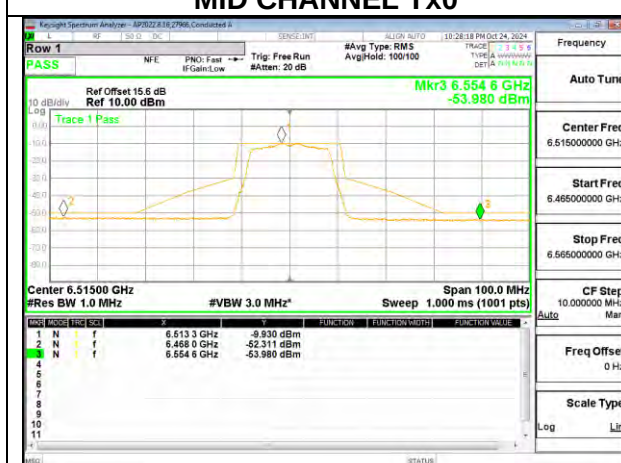
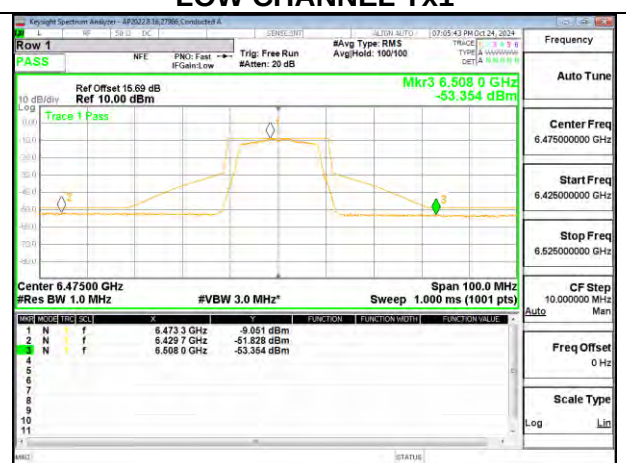
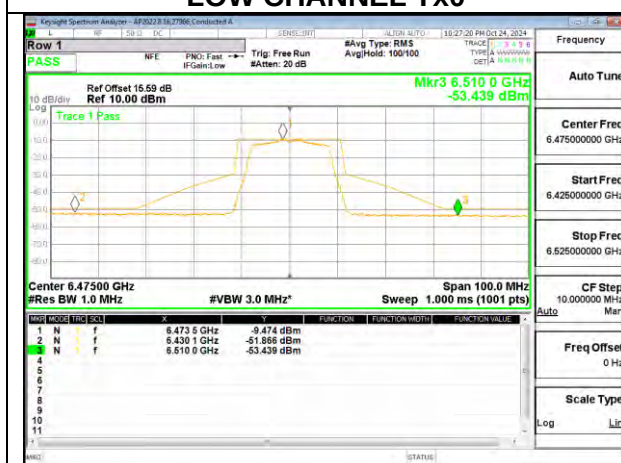
9.4.5. 802.11be EHT160 MODE 2TX IN THE UNII-5

2TX Tx0 + Tx1 OFDMA MODE: SU

**LOW CHANNEL Tx0****LOW CHANNEL Tx1****MID CHANNEL Tx0****MID CHANNEL Tx1****HIGH CHANNEL Tx0****HIGH CHANNEL Tx1**

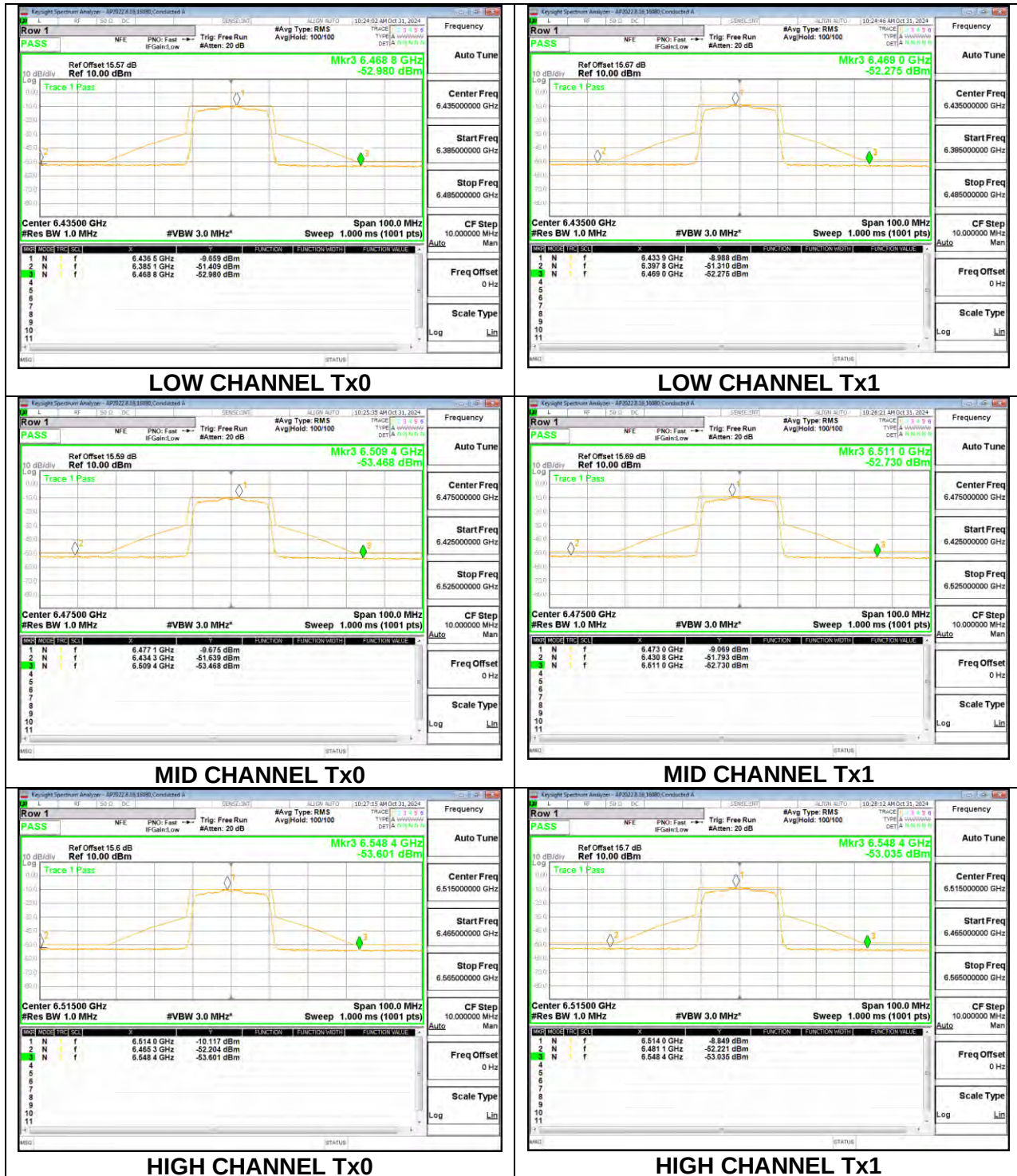
9.4.6. 802.11a MODE 2TX IN THE UNII-6

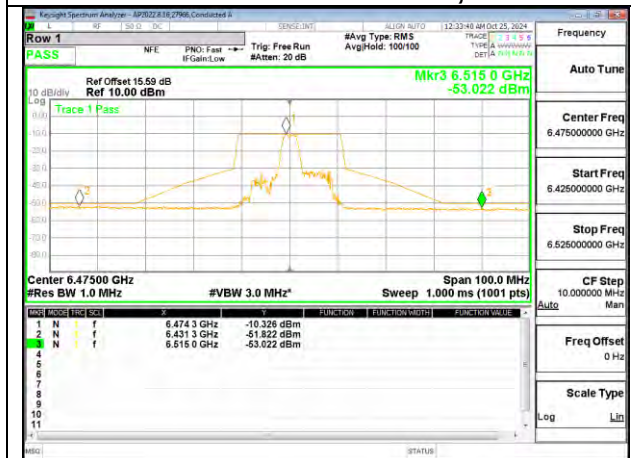
2TX Tx0 + Tx1 CDD



9.4.7. 802.11be EHT20 MODE 2TX IN THE UNII-6

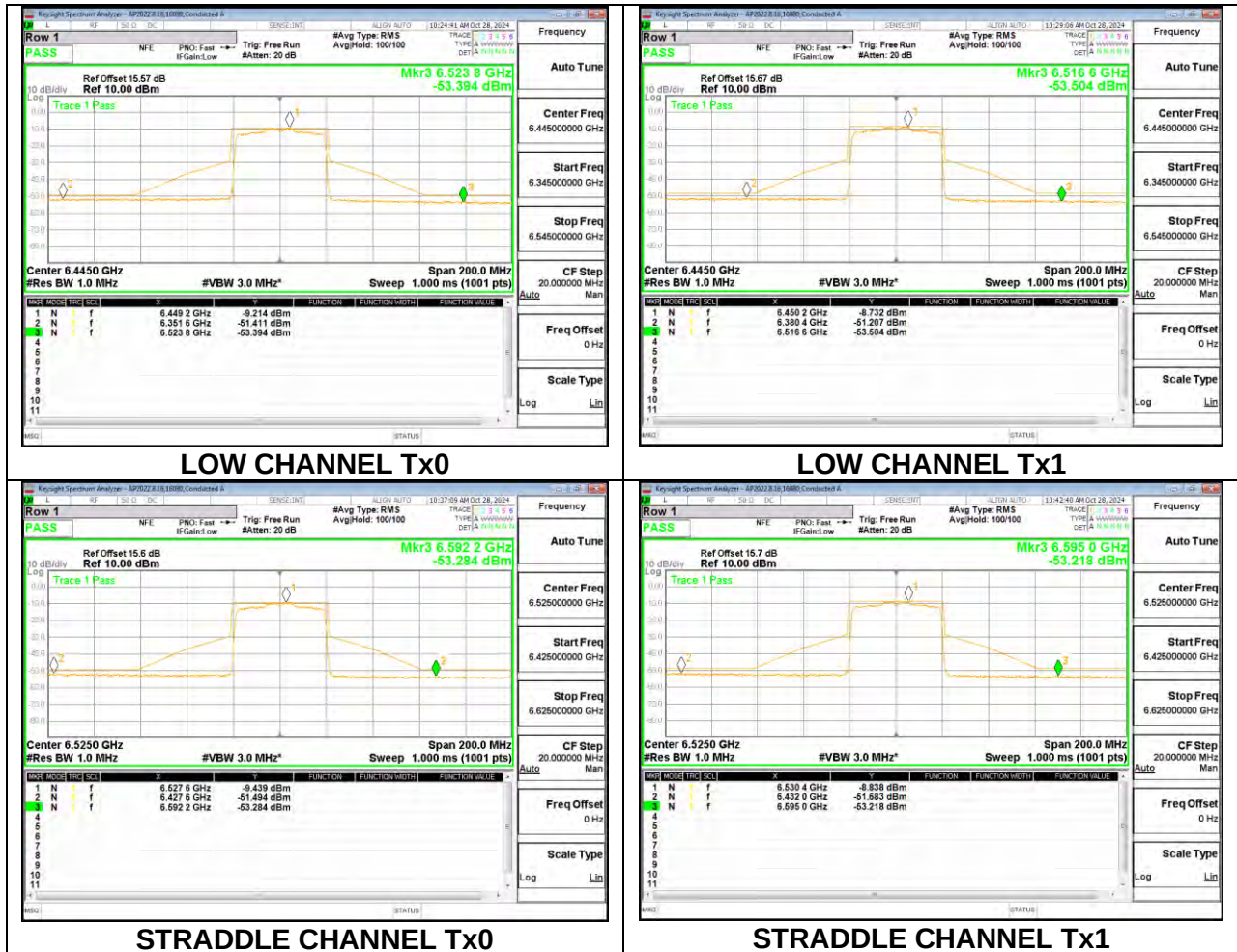
2TX Tx0 + Tx1 OFDMA MODE: 242T, RU Index 61



2TX Tx0 + Tx1 OFDMA MODE: 26T

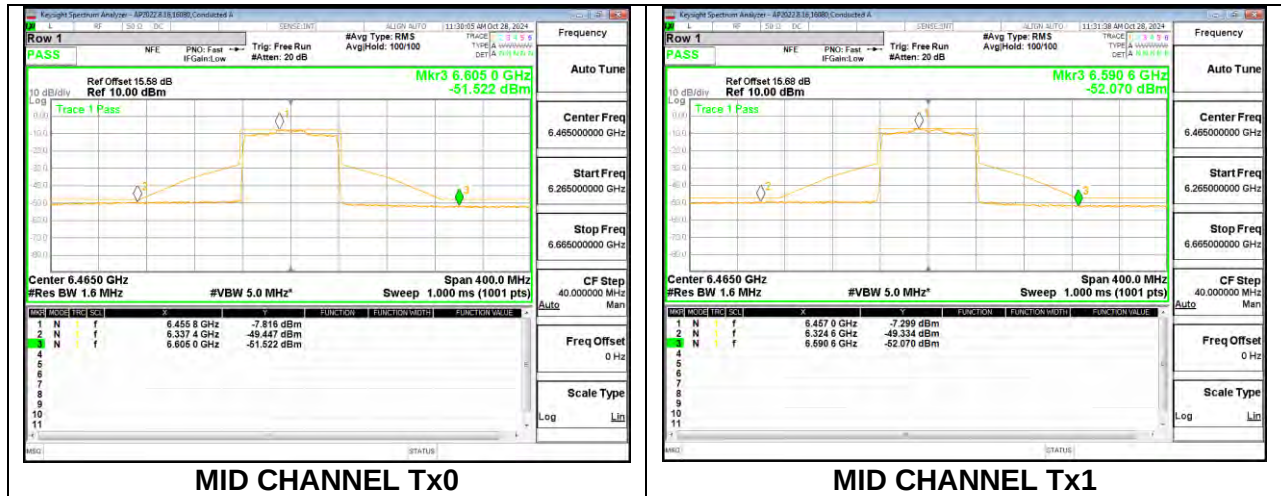
9.4.8. 802.11be EHT40 MODE 2TX IN THE UNII-6

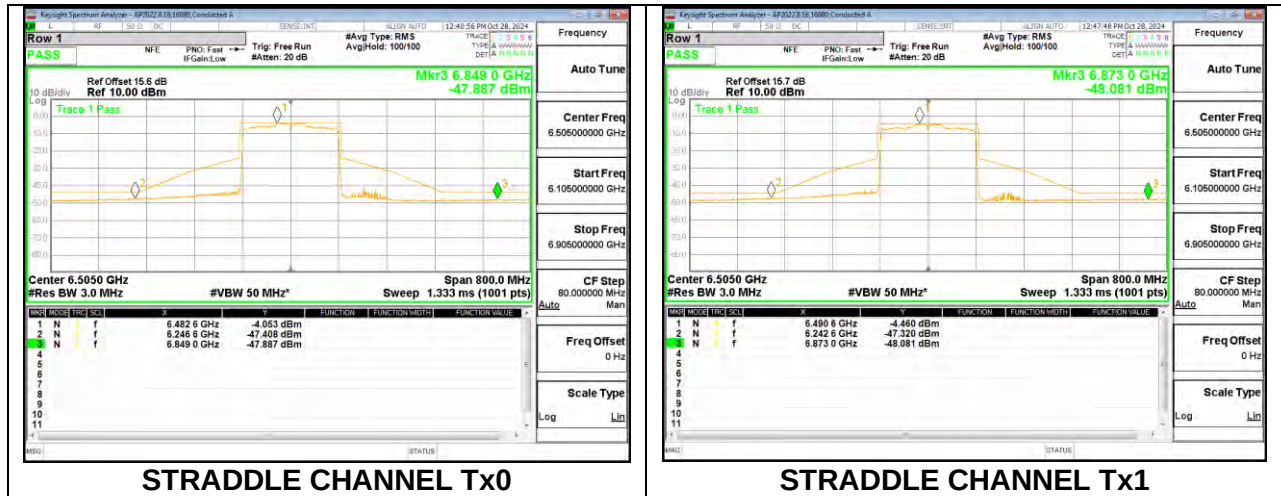
2TX Tx0 + Tx1 OFDMA MODE: 484T, RU Index 65



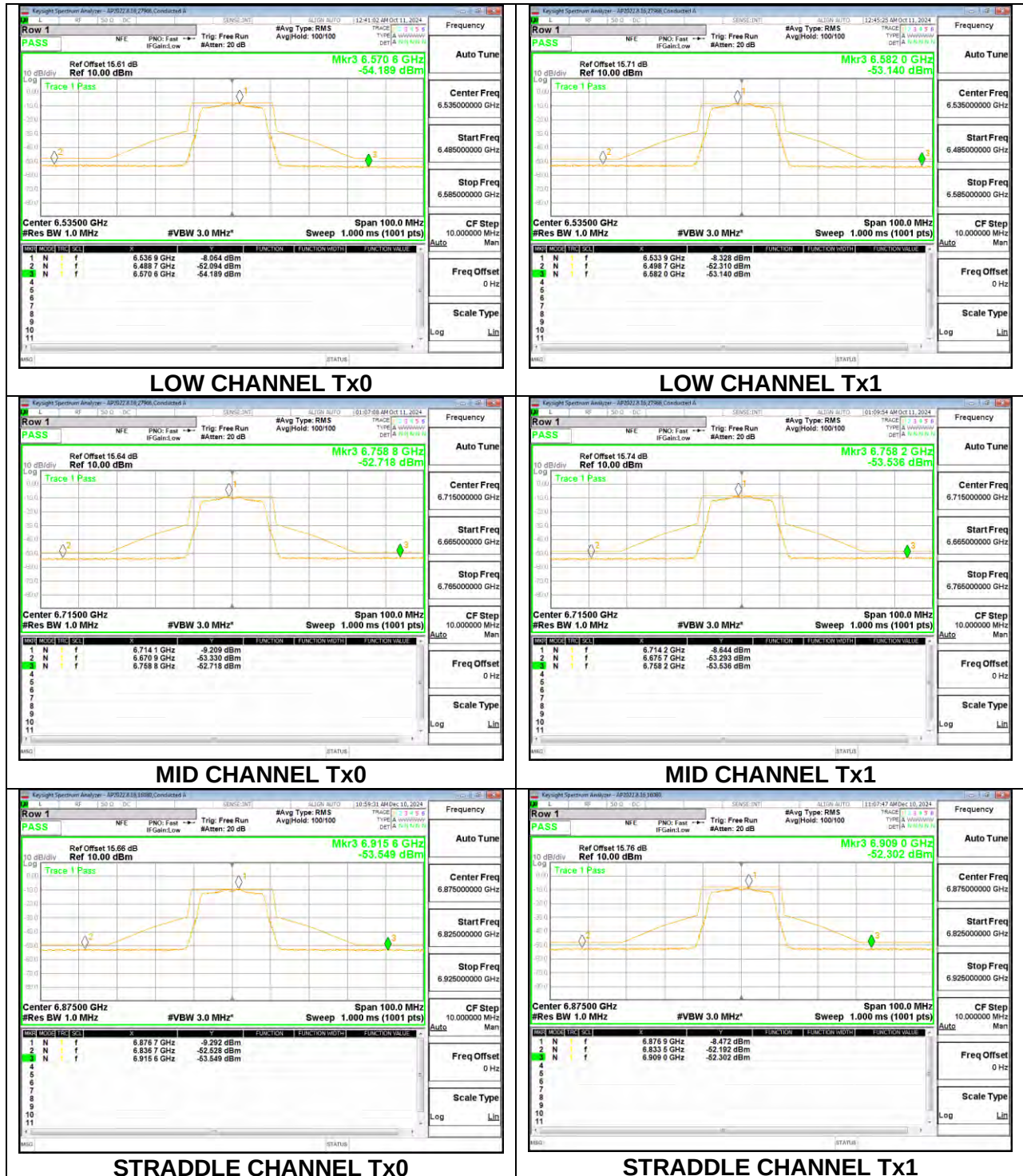
9.4.9. 802.11be EHT80 MODE 2TX IN THE UNII-6

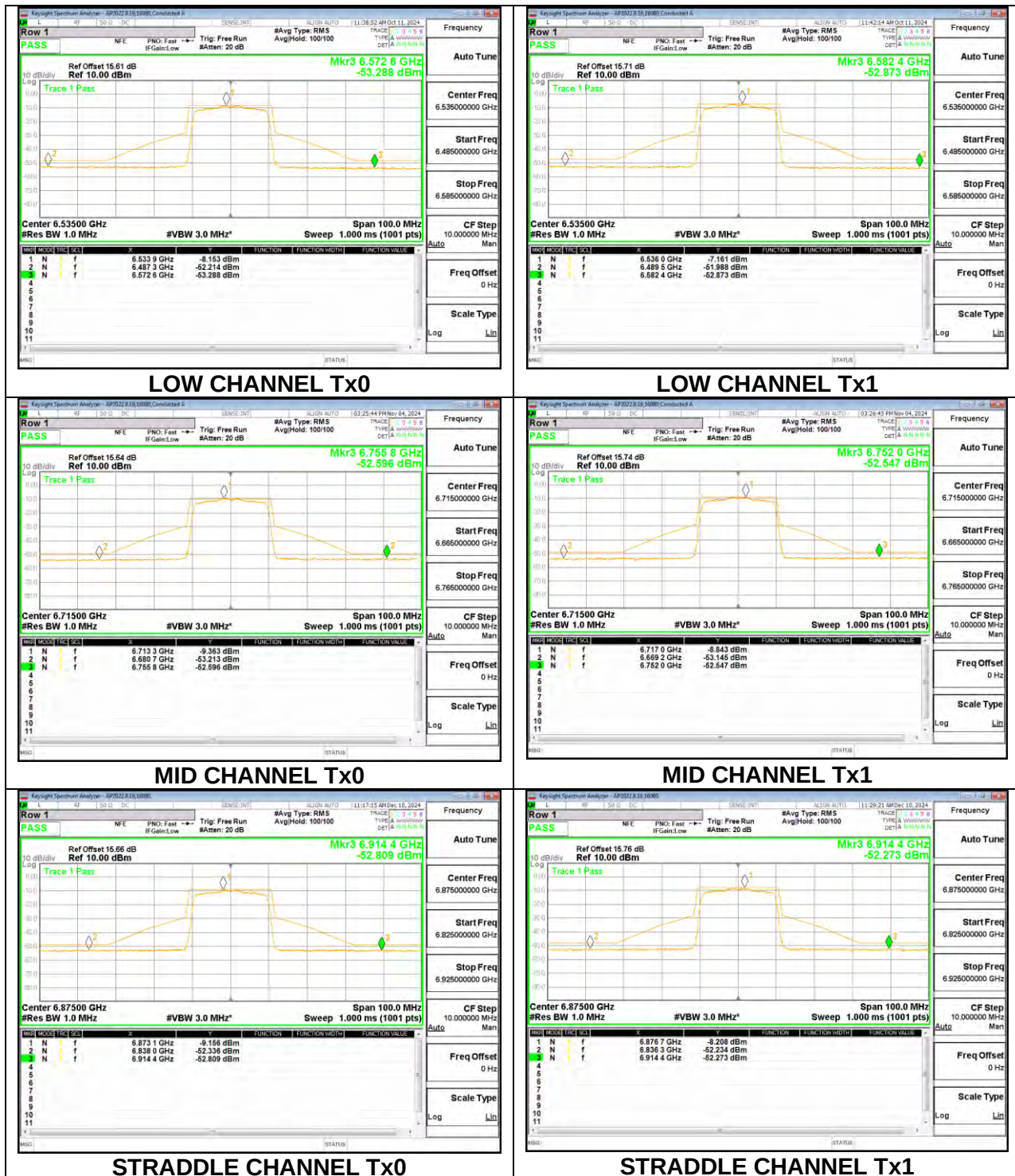
2TX Tx0 + Tx1 OFDMA MODE: 996T, RU Index 67

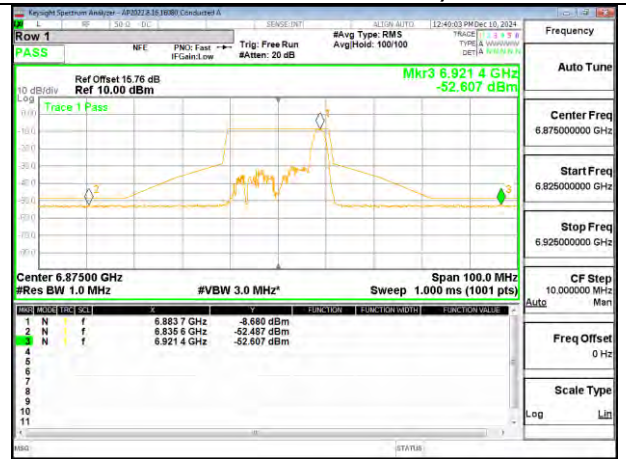


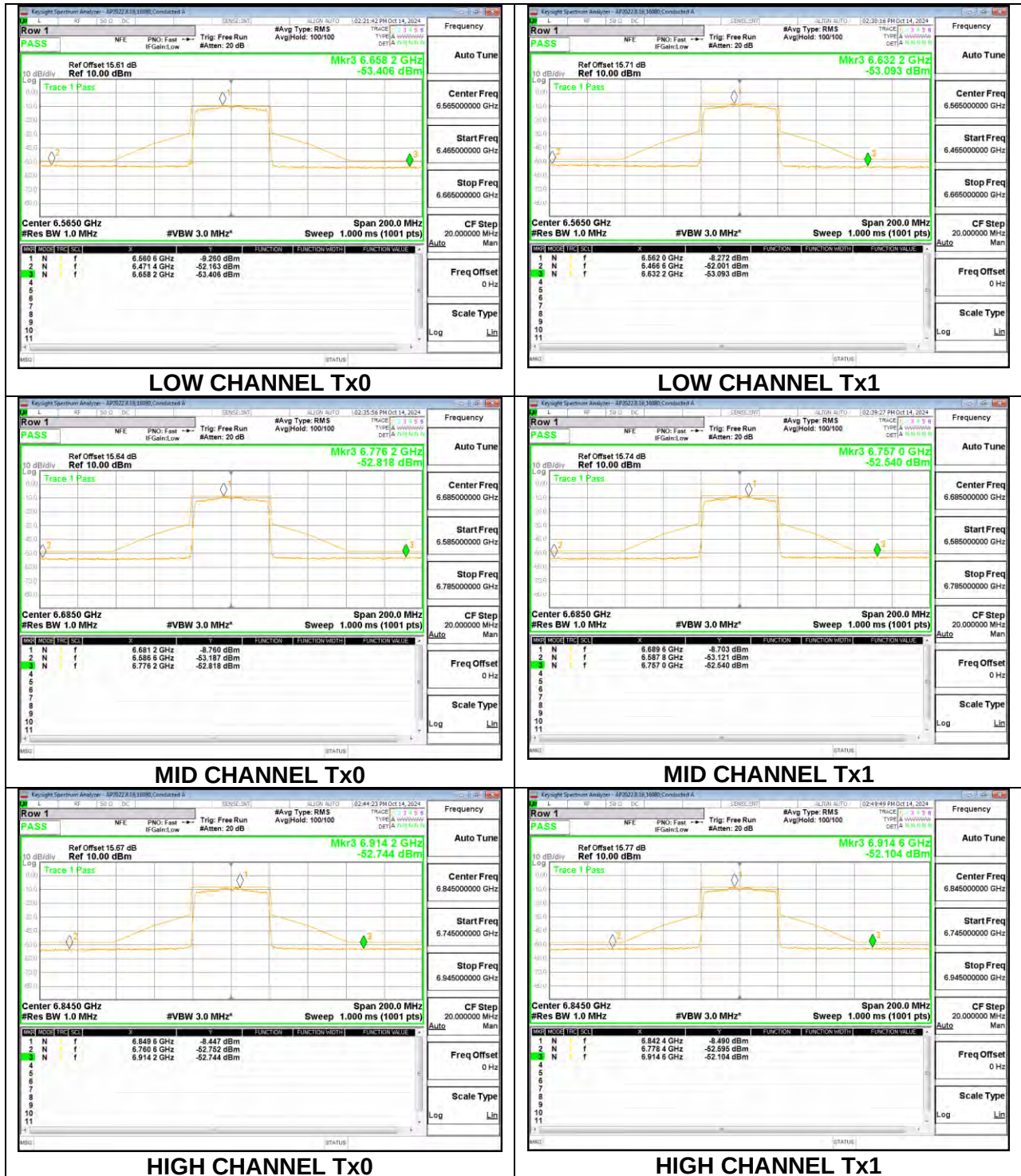
9.4.10. 802.11be EHT160 MODE 2TX IN THE UNII-6**2TX Tx0 + Tx1 OFDMA MODE: SU**

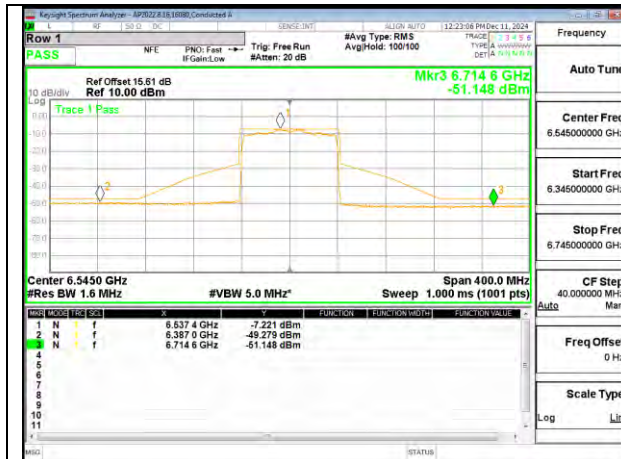
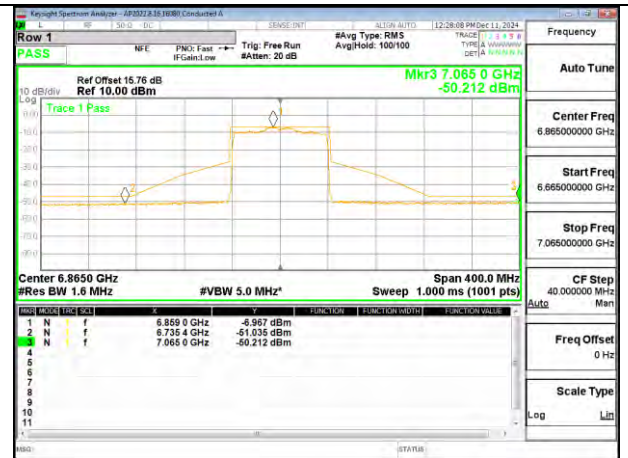
2TX Tx0 + Tx1 CDD



9.4.12. 802.11be EHT20 MODE 2TX IN THE UNII-7**2TX Tx0 + Tx1 OFDMA MODE: 242T, RU Index 61**

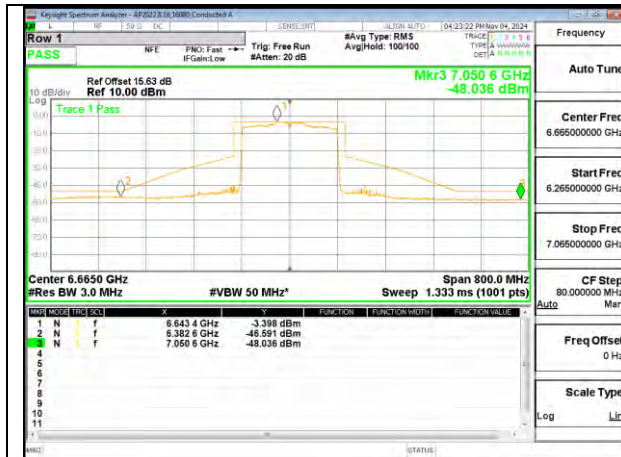
2TX Tx0 + Tx1 OFDMA MODE: 26T**LOW CHANNEL Index 0, Tx0****LOW CHANNEL Index 0, Tx1****MID CHANNEL Index 4, Tx0****MID CHANNEL Index 4, Tx1****STRADDLE CHANNEL Index 8, Tx0****STRADDLE CHANNEL Index 8, Tx1**

9.4.13. 802.11be EHT40 MODE 2TX IN THE UNII-7**2TX Tx0 + Tx1 OFDMA MODE: 484T, RU Index 65**

9.4.14. 802.11be EHT80 MODE 2TX IN THE UNII-7**2TX Tx0 + Tx1 OFDMA MODE: 996T, RU Index 67****STRADDLE CHANNEL Tx0****STRADDLE CHANNEL Tx1****MID CHANNEL Tx0****MID CHANNEL Tx1****STRADDLE CHANNEL Tx0****STRADDLE CHANNEL Tx1**

9.4.15. 802.11be EHT160 MODE 2TX IN THE UNII-7

2TX Tx0 + Tx1 OFDMA MODE: SU



LOW CHANNEL Tx0



LOW CHANNEL Tx1



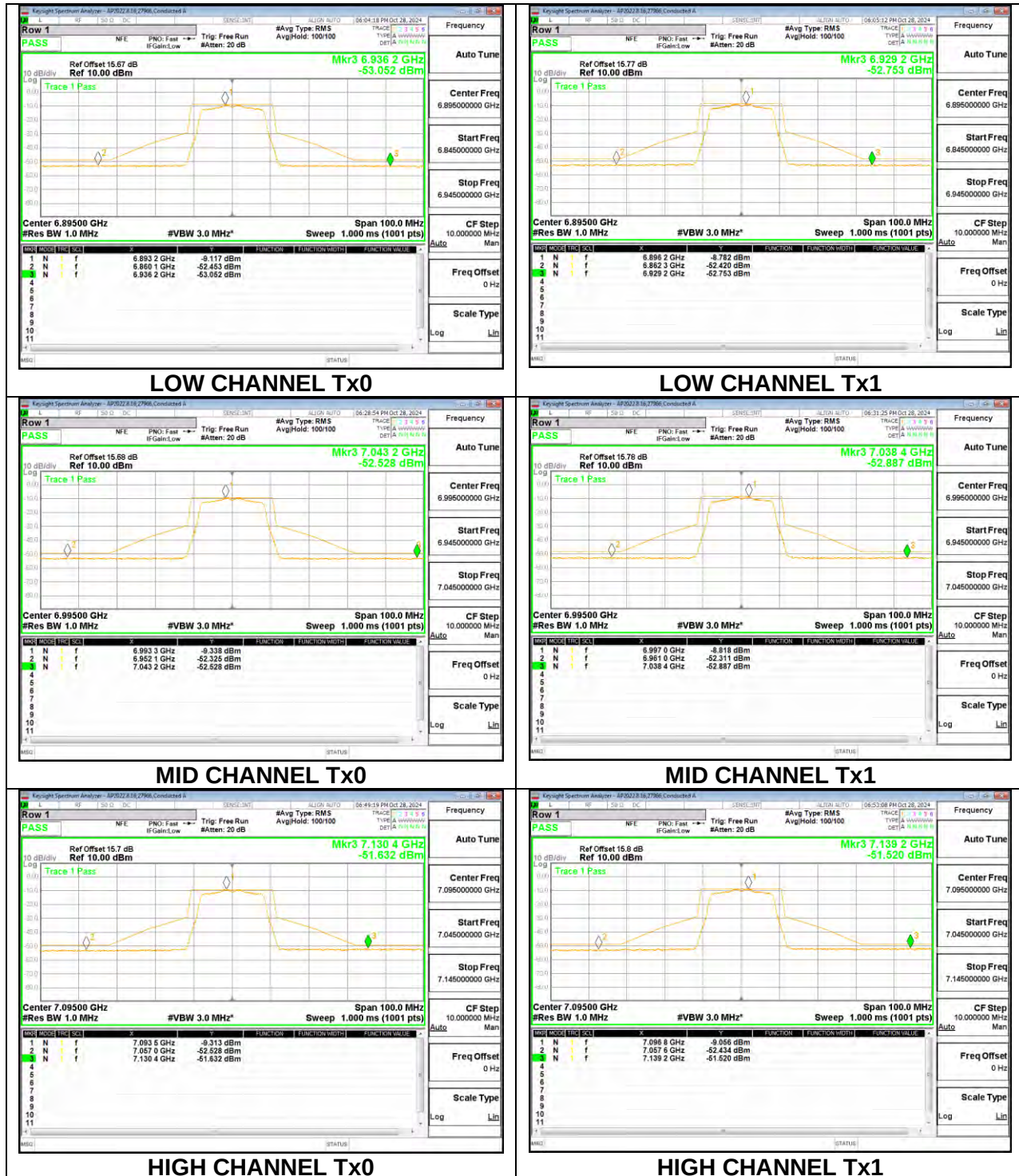
STRADDLE CHANNEL Tx0



STRADDLE CHANNEL Tx1

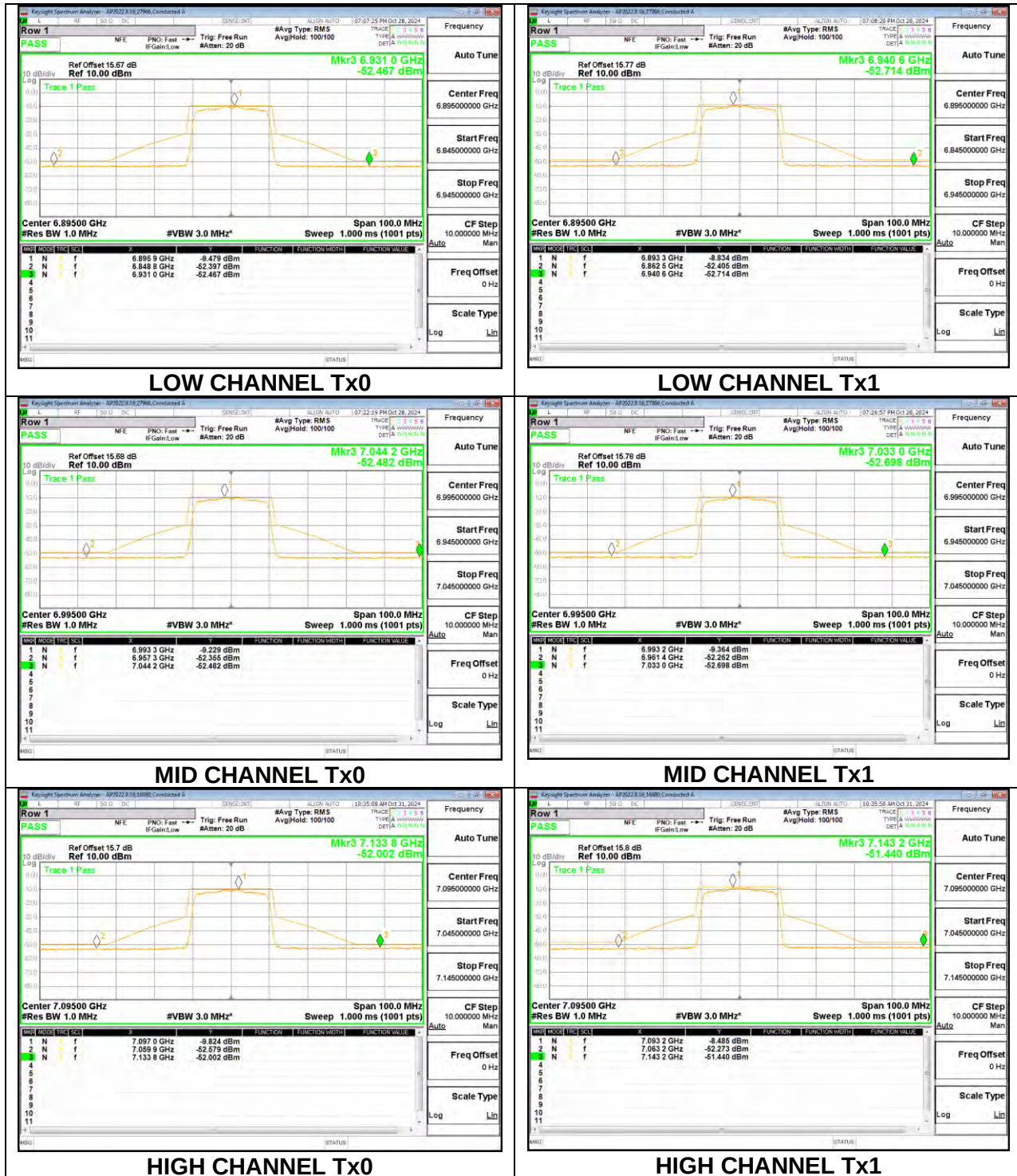
9.4.16. 802.11a MODE 2TX IN THE UNII-8

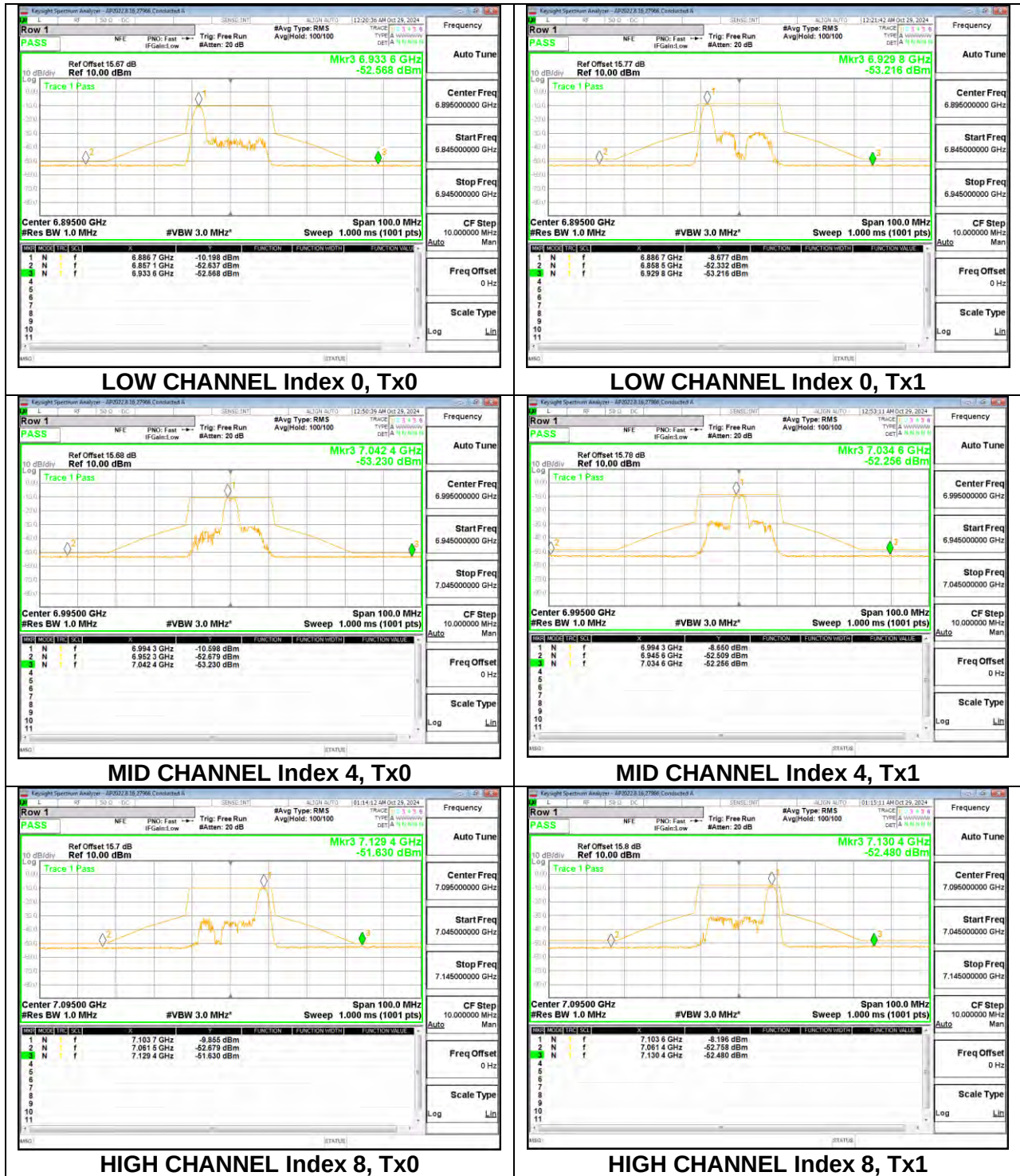
2TX Tx0 + Tx1 CDD



9.4.17. 802.11be EHT20 MODE 2TX IN THE UNII-8

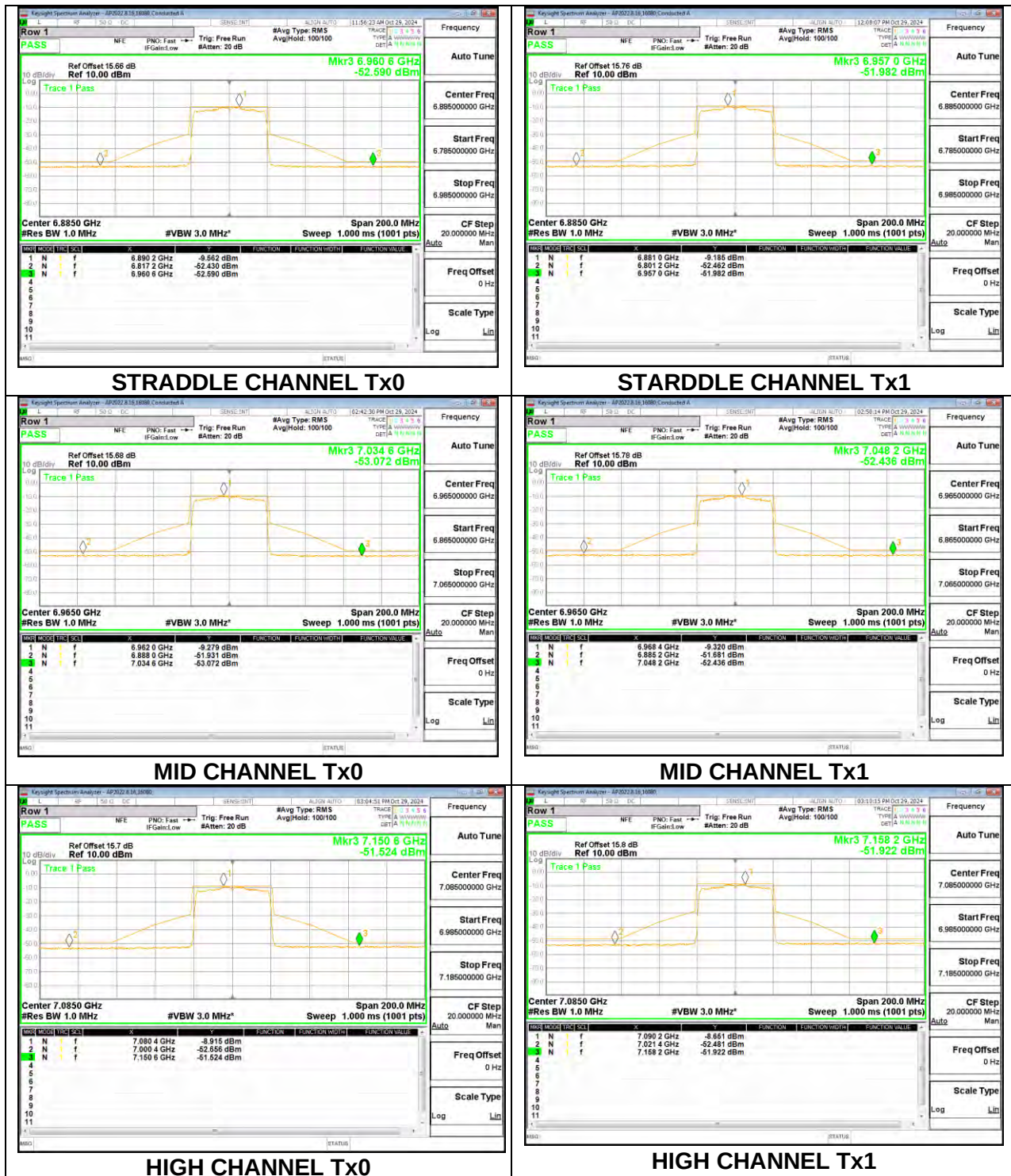
2TX Tx0 + Tx1 OFDMA MODE: 242T, RU Index 61

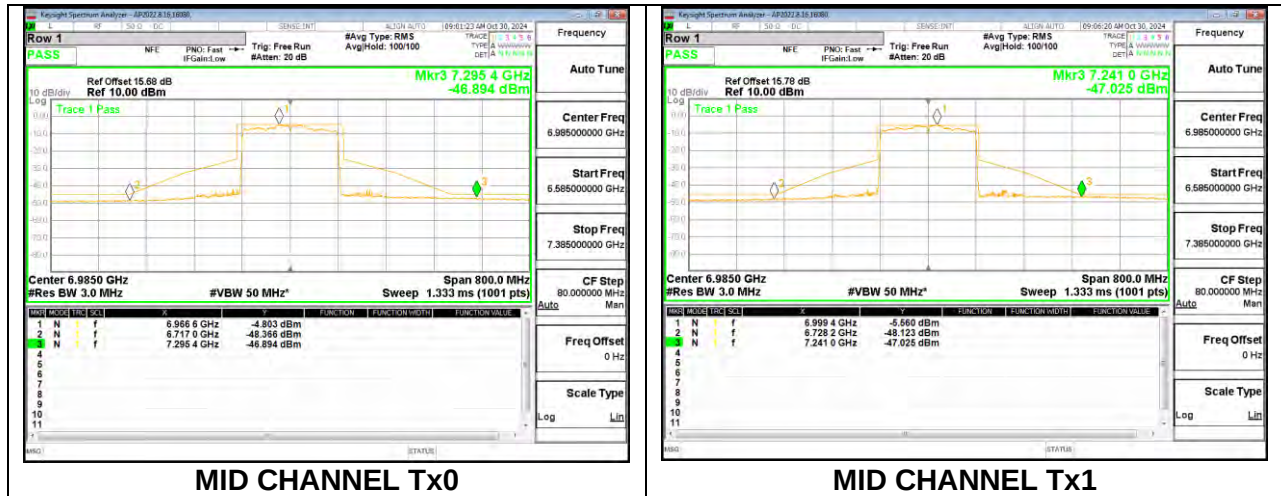


2TX Tx0 + Tx1 OFDMA MODE: 26T

9.4.18. 802.11be EHT40 MODE 2TX IN THE UNII-8

2TX Tx0 + Tx1 OFDMA MODE: 484T, RU Index 65



9.4.20. 802.11be EHT160 MODE 2TX IN THE UNII-8**2TX Tx0 + Tx1 OFDMA MODE: SU**

10. VERY LOW POWER TRANSMIT POWER CONTROL (TPC)

LIMITS

FCC §15.407 (d) (10)

(10) Very low power devices operating in the 5.925-7.125 GHz band shall employ a transmit power control (TPC) mechanism. A very low power device is required to have the capability to operate at least 6 dB below the maximum EIRP PSD value of -5 dBm/ MHz.

TEST PROCEDURE

1. Configure EUT and companion device for peer-to-peer communication (refer to block diagram)
2. Set variable attenuator to 0dB (noise free spectral environment, high RSSI simulation)
3. Establish a link and start communication between EUT and companion device
4. Capture PSD spectrum analyzer trace (2)
5. Set variable attenuator to 40dB (noisy spectral environment, low RSSI simulation)
6. Capture PSD spectrum analyzer trace (1)
7. For MIMO operations use the sum of the highest PSD from each individual antenna

SA Settings: 1MHz RBW/ 3MHz VBW

Span: 30MHz

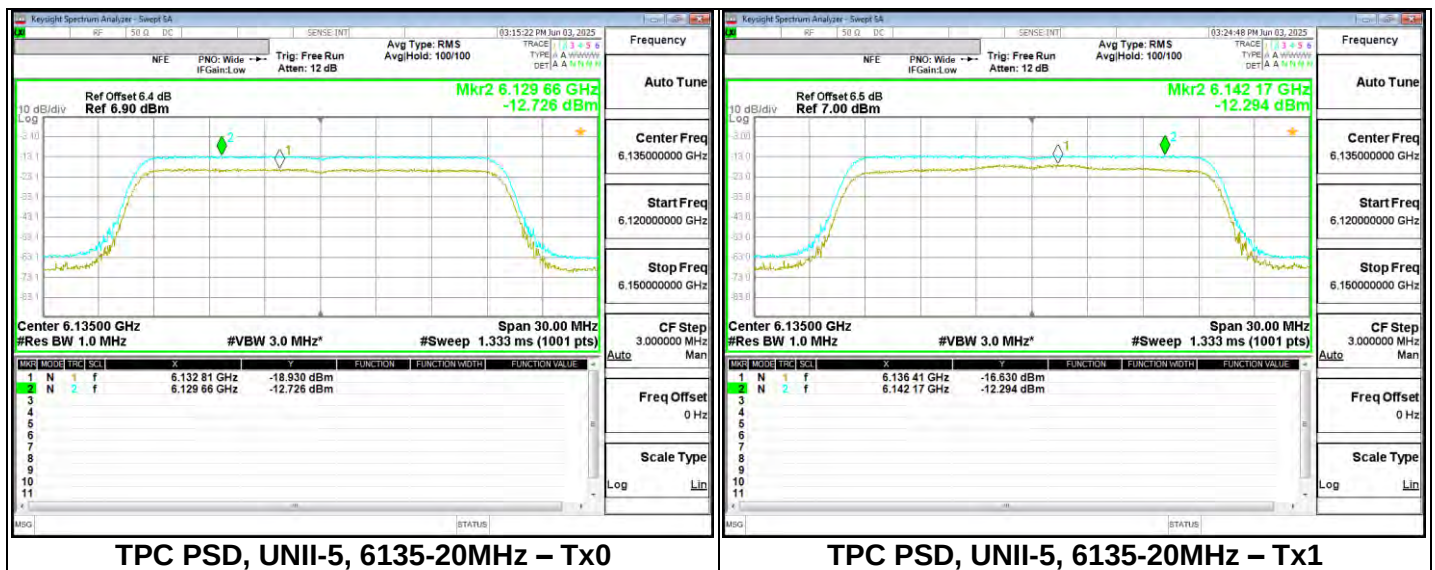
Sweep: 1.333ms, trace averaging enabled for 100 sweeps with RMS detector enabled.

RESULTS

Test Engineer:	GA 12485
Test Date:	2025-06-03

2TX	UNII-5 band						
Correlated Chains Directoinal Gain (dBi)	0.05						
DCCF (dB)	0.15						
BW (MHz)	Frequency (MHz)	Tx 0		Tx 1		Tx 0 + Tx 1	
		Trace 2 High RSSI PSD (dBm/MHz)	Trace 1 Low RSSI PSD (dBm/MHz)	Trace 2 High RSSI PSD (dBm/MHz)	Trace 1 Low RSSI PSD (dBm/MHz)	2Tx High RSSI EIRP PSD (dBm/MHz)	2Tx Low RSSI EIRP PSD (dBm/MHz)
20	6135 (CH37)	-12.726	-18.93	-12.294	-16.63	-9.29	-14.42

The antenna gain is correlated gain used for the CDD MIMO mode. The device is compliant with the 2Tx Low RSSI EIRP PSD is less than -11dBm/MHz.

VLP TPC POWER LEVEL REDUCTION

11. DESCRIPTION OF TEST SETUP AND SETUP PHOTOS

Please refer to 15532198-EP1 for test setup description and setup photos

END OF TEST REPORT