

FCC Radio Test Report

FCC ID : TVE-240602

Equipment : Secured Wireless Access Point

Brand Name : FORTINET

Model Name : FortiAP 241Kxxxxxxxxxx, FAP-241Kxxxxxxxxxx,
FORTIAP-241Kxxxxxxxxxx (Where "x" can be used as
"A-Z", or "0-9", or "-", or blank for software changes or
marketing purposes only)

Applicant : Fortinet, Inc.
909 Kifer Road, Sunnyvale, CA 94086, USA

Manufacturer : Fortinet, Inc.
909 Kifer Road, Sunnyvale, CA 94086, USA

Standard : 47 CFR FCC Part 15.407

The product was received on Apr. 23, 2024, and testing was started from May 10, 2024 and completed on May 30, 2024. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Hsinhua Laboratory, the test report shall not be reproduced except in full.


Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)



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[illegible]

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.407(a)	Emission Bandwidth	PASS	-
3.2	15.407(a)	Maximum Conducted Output Power	PASS	-
3.3	15.407(a)	Peak Power Spectral Density	PASS	-
3.4	15.407(b)	Unwanted Emissions	PASS	-

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and explanations:

The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

Reviewed by: Barry Hsiao

Report Producer: Amber Chiu



1 General Description

1.1 Information

Radio 3 (Scan radio) is only RX function.

1.1.1 RF General Information

Radio 2

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5250-5350	a, n (HT20), ac (VHT20), ax (HEW20), be (EHT20)	5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
Straddle 5720		5720	144 [1]
5725-5850		5745-5825	149-165 [5]
5250-5350	n (HT40), ac (VHT40), ax (HEW40), be (EHT40)	5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
Straddle 5710		5710	142 [1]
5725-5850		5755-5795	151-159 [2]
5250-5350	ac (VHT80), ax (HEW80) , be (EHT80)	5290	58 [1]
5470-5725		5530-5610	106-122 [2]
Straddle 5690		5690	138 [1]
5725-5850		5775	155 [1]
5150-5350	ac (VHT160), ax (HEW160), be (EHT160)	5250	50 [1]
5470-5725		5570	114 [1]

Non-Beamforming

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	2TX
5.47-5.725GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	2TX
5.25-5.35GHz	802.11be EHT20	20	2TX
5.47-5.725GHz	802.11be EHT20	20	2TX
5.725-5.85GHz	802.11be EHT20	20	2TX
5.25-5.35GHz	802.11be EHT40	40	2TX
5.47-5.725GHz	802.11be EHT40	40	2TX
5.725-5.85GHz	802.11be EHT40	40	2TX
5.25-5.35GHz	802.11be EHT80	80	2TX
5.47-5.725GHz	802.11be EHT80	80	2TX



Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11be EHT80	80	2TX
5.15-5.25GHz	802.11be EHT160	160	2TX
5.25-5.35GHz	802.11be EHT160	160	2TX
5.47-5.725GHz	802.11be EHT160	160	2TX

Beamforming

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11be EHT20-BF	20	2TX
5.47-5.725GHz	802.11be EHT20-BF	20	2TX
5.725-5.85GHz	802.11be EHT20-BF	20	2TX
5.25-5.35GHz	802.11be EHT40-BF	40	2TX
5.47-5.725GHz	802.11be EHT40-BF	40	2TX
5.725-5.85GHz	802.11be EHT40-BF	40	2TX
5.25-5.35GHz	802.11be EHT80-BF	80	2TX
5.47-5.725GHz	802.11be EHT80-BF	80	2TX
5.725-5.85GHz	802.11be EHT80-BF	80	2TX
5.15-5.25GHz	802.11be EHT160-BF	160	2TX
5.25-5.35GHz	802.11be EHT160-BF	160	2TX
5.47-5.725GHz	802.11be EHT160-BF	160	2TX

**Radio 3 < Scan >**

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5250-5350	a, n (HT20), ac (VHT20), ax (HEW20)	5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
Straddle 5720		5720	144 [1]
5725-5850		5745-5825	149-165 [5]
5250-5350	n (HT40), ac (VHT40), ax (HEW40)	5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
Straddle 5710		5710	142 [1]
5725-5850		5755-5795	151-159 [2]
5250-5350	ac (VHT80), ax (HEW80)	5290	58 [1]
5470-5725		5530-5610	106-122 [2]
Straddle 5690		5690	138 [1]
5725-5850		5775	155 [1]
5150-5350	ac (VHT160), ax (HEW160)	5250	50 [1]
5470-5725		5570	114 [1]

Non-Beamforming

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	2TX
5.47-5.725GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	2TX
5.25-5.35GHz	802.11ax HEW20	20	2TX
5.47-5.725GHz	802.11ax HEW20	20	2TX
5.725-5.85GHz	802.11ax HEW20	20	2TX
5.25-5.35GHz	802.11ax HEW40	40	2TX
5.47-5.725GHz	802.11ax HEW40	40	2TX
5.725-5.85GHz	802.11ax HEW40	40	2TX
5.25-5.35GHz	802.11ax HEW80	80	2TX
5.47-5.725GHz	802.11ax HEW80	80	2TX
5.725-5.85GHz	802.11ax HEW80	80	2TX
5.15-5.25GHz	802.11ax HEW160	160	2TX
5.25-5.35GHz	802.11ax HEW160	160	2TX
5.47-5.725GHz	802.11ax HEW160	160	2TX

Note:

- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40, VHT80, VHT160 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20, HEW40, HEW80, HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- EHT20, EHT40, EHT80, EHT160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM modulation.
- BWch is the nominal channel bandwidth.
- Evaluated EHT20/EHT40/EHT80/EHT160 mode only due to the similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80/VHT160/HEW20/HEW40/HEW80/HEW160 mode are the same or lower than EHT20/EHT40/EHT80/EHT160.(Radio 2)
- Evaluated HEW20/HEW40/HEW80/HEW160 mode only due to the similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80/VHT160 mode are the same or lower than HEW20/HEW40/HEW80/HEW160.(Radio 3)

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Support
1	1	EnRack	7102A1242000	PIFA	I-PEX	2.4G+5G+5.9G
2	2	EnRack	7102A1241000	PIFA	I-PEX	2.4G+5G+5.9G
3	1	EnRack	7102A1244000	PIFA	I-PEX	2.4G+5G+5.9G +6G
4	2	EnRack	7102A1243000	PIFA	I-PEX	2.4G+5G+5.9G +6G
5	1	AWAN	7102A1240000	Alford Loop	I-PEX	6G
6	2	AWAN	7102A1240000	Alford Loop	I-PEX	6G
7	1	AWAN	7102A1240000	Dipole	I-PEX	BT+Zigbee

Ant.	Port	Gain (dBi)						Remark	
		2.4G	5G	5.9G	6G	BT	Zigbee		
1	1	5.11	5.22	5.11	-	-	-	Radio1 2.4G only 2*2	Radio2 5G/5.9G 2*2
2	2	5.19	5.32	4.79	-	-	-		
3	1	4.97	5.35	5.40	5.48	-	-	Radio3 (Scan radio) 2.4G/5G/5.9G/6G 2*2	
4	2	4.69	5.43	5.13	5.37	-	-		
5	1	-	-	-	5.53	-	-	Radio2 6G 2*2	
6	2	-	-	-	5.58	-	-		
7	1	-	-	-	-	5.00	5.00	-	

Note 1: The EUT has seven antennas.

Note 2: Directional gain information

	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ant}} \left\{ \sum_{k=1}^{N_{ant}} E_{j,k} \right\}^2}{N_{ant}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ant}} \left\{ \sum_{k=1}^{N_{ant}} E_{j,k} \right\}^2}{N_{ant}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ant}} \left\{ \sum_{k=1}^{N_{ant}} E_{j,k} \right\}^2}{N_{ant}} \right]$

For 2.4GHz function:

< Radio 1 >

For IEEE 802.11b/g/n/VHT/ax/be mode (2TX/2RX)

Ant.1 (port 1), Ant.2 (port 2) could transmit/receive simultaneously.

< Radio 3 > < Scan >

For IEEE 802.11b/g/n/VHT/ax mode (2RX)

Ant.3 (port 1), Ant.4 (port 2) can be used as receiving.

For 5GHz function:

< Radio 2 >

For IEEE 802.11a/n/ac/ax/be mode (2TX/2RX)

Ant.1 (port 1), Ant.2 (port 2) could transmit/receive simultaneously.

< Radio 3 > < Scan >

For IEEE 802.11a/n/ac/ax mode (2RX)

Ant.3 (port 1), Ant.4 (port 2) can be used as receiving.

For 6GHz function:

< Radio 2 >

For IEEE 802.11ax/be mode (2TX/2RX)

Ant.5 (port 1), Ant.6 (port 2) could transmit/receive simultaneously.

< Radio 3 > < Scan >

For IEEE 802.11ax mode (2RX)

Ant.3 (port 1), Ant.4 (port 2) can be used as receiving.

For Bluetooth function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Only Ant.7 can be used as transmitting/receiving.

For Zigbee function:

For IEEE 802.15.4 Zigbee mode (1TX/1RX)

Only Ant.7 can be used as transmitting/receiving.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC Adapter / PoE			
EUT Function	☐	Outdoor AP	☒	Indoor AP
	☐	Fixed P2P AP	☐	Client
Beamforming Function	☒	With beamforming	☐	Without beamforming
TPC Function	☒	With TPC Function	☐	Without TPC Function
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
Resource Unit	☒	Full RU	☐	Partial RU
	☐	MRU(static preamble puncturing)	☐	MRU(dynamic preamble puncturing)
Channel Puncturing	☐	Support	☒	Not support
Type of EUT				
☒	Stand-alone			
☐	Combined (EUT where the radio part is fully integrated within another device)			
	Combined Equipment - Brand Name / Model No.:		...	
☐	Plug-in radio (EUT intended for a variety of host systems)			
	Host System - Brand Name / Model No.:			
☐	Other:			

1.1.4 Mode Test Duty Cycle
Non-Beamforming

Mode	DC	DCF (dB)	T (s)	VBW (Hz) 1/T
802.11a_Nss1,(6Mbps)_2TX	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20_Nss1,(MCS0)_2TX	0.975	0.11	5.137m	300
802.11be EHT40_Nss1,(MCS0)_2TX	0.978	0.1	5.302m	300
802.11be EHT80_Nss1,(MCS0)_2TX	0.978	0.1	5.389m	300
802.11be EHT160_Nss1,(MCS0)_2TX	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Beamforming

Mode	DC	DCF (dB)	T (s)	VBW (Hz) 1/T
802.11be EHT20-BF_Nss1,(MCS0)_2TX	0.975	0.11	5.137m	300
802.11be EHT40-BF_Nss1,(MCS0)_2TX	0.978	0.1	5.302m	300
802.11be EHT80-BF_Nss1,(MCS0)_2TX	0.978	0.1	5.389m	300
802.11be EHT160-BF_Nss1,(MCS0)_2TX	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

1.1.5 Table for Multiple Listing

The brand/model names in the following table are all refer to the identical product.

Brand Name	Model Name	Description
FORTINET	FortiAP 241Kxxxxxxxxx, FAP-241Kxxxxxxxxx, FORTIAP-241Kxxxxxxxxx (Where "x" can be used as "A-Z", or "0-9", or "-", or blank for software changes or marketing purposes only)	All the models are identical, the difference model served as marketing strategy.

From the above models, model: FAP-241K was selected as representative model for the test and its data was recorded in this report.

1.1.6 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR411229AN

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
Frequency bands U-NII-2A and U-NII-2C were added	Emission Bandwidth, Maximum Conducted Output Power, Peak Power Spectral Density and Unwanted Emissions above 1GHz were evaluated

1.2 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013
- ♦ KDB 789033 D02 v02r01

The following reference test guidance is not within the scope of accreditation of TAF:

- ♦ KDB 662911 D01 v02r01
- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH07-HY	Xun Hsieh	23.4~23.9°C / 52~55%	28/May/2024~30/May/2024
☒ Wenhua 3rd. (TAF: 3785)	ADD: No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)			
	TEL: 886-3-327-0868			
Test site Designation No. TW0036 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated	03CH24-HY	Vasari Huang	21.6~22.6°C / 54~59%	10/May/2024~25/May/2024

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

Test Items	Uncertainty	Remark
Emission Bandwidth	3 MHz	Confidence levels of 95%
Maximum Conducted Output Power	2 dB	Confidence levels of 95%
Power Spectral Density	2 dB	Confidence levels of 95%
Unwanted Emissions	4.8 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	qdart_conn.win.1.0_installer_00099
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Non-Beamforming

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	17.5
5300MHz	18
5320MHz	18
5500MHz	17.5
5580MHz	18
5700MHz	18
5720MHz Straddle 5.47-5.725GHz	18
5720MHz Straddle 5.725-5.85GHz	18
802.11be EHT20_Nss1,(MCS0)_2TX	-
5260MHz	18.5
5300MHz	18.5
5320MHz	18.5
5500MHz	18.5
5580MHz	18.5
5700MHz	13
5720MHz Straddle 5.47-5.725GHz	18.5
5720MHz Straddle 5.725-5.85GHz	18.5
802.11be EHT40_Nss1,(MCS0)_2TX	-
5270MHz	20.5
5310MHz	19.5
5510MHz	14.5
5550MHz	20.5
5670MHz	18.5
5710MHz Straddle 5.47-5.725GHz	21
5710MHz Straddle 5.725-5.85GHz	21
802.11be EHT80_Nss1,(MCS0)_2TX	-
5290MHz	17.5
5530MHz	15.5



Mode	Power Setting
5610MHz	20.5
5690MHz Straddle 5.47-5.725GHz	20.5
5690MHz Straddle 5.725-5.85GHz	20.5
802.11be EHT160_Nss1,(MCS0)_2TX	-
5250MHz Straddle 5.15-5.25GHz	15
5250MHz Straddle 5.25-5.35GHz	15
5570MHz	14

**Beamforming**

Mode	Power Setting
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-
5260MHz	17.5
5300MHz	18
5320MHz	18
5500MHz	17.5
5580MHz	17.5
5700MHz	13
5720MHz Straddle 5.47-5.725GHz	17.5
5720MHz Straddle 5.725-5.85GHz	17.5
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-
5270MHz	17.5
5310MHz	18
5510MHz	14.5
5550MHz	18
5670MHz	18
5710MHz Straddle 5.47-5.725GHz	18
5710MHz Straddle 5.725-5.85GHz	18
802.11be EHT80-BF_Nss1,(MCS0)_2TX	-
5290MHz	17.5
5530MHz	15.5
5610MHz	17.5
5690MHz Straddle 5.47-5.725GHz	17.5
5690MHz Straddle 5.725-5.85GHz	17.5
802.11be EHT160-BF_Nss1,(MCS0)_2TX	-
5250MHz Straddle 5.15-5.25GHz	15
5250MHz Straddle 5.25-5.35GHz	15
5570MHz	14

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests			
Tests Item	Unwanted Emissions		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode > 1GHz	CTX		
1	Adapter Mode		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT		V	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	Radio 1_2.4G + Radio 2_5G + Radio 2_6E + Bluetooth
2	Radio 1_2.4G + Radio 2_5G + Radio 2_6E + Zigbee
Refer to Sporton Test Report No.: FA411229-06 for Co-location RF Exposure Evaluation.	

2.3 Accessories

Accessories				
BRACKET,METAL CLIP CEILING,RVAQ-AP43	Brand Name	WNC	Model Name	6B.SRVAQ.00N
BRACKET,CEILING RAIL 1	Brand Name	WNC	Model Name	3S.005AL.111
BRACKET,CEILING RAIL 2	Brand Name	WNC	Model Name	3S.005AK.111

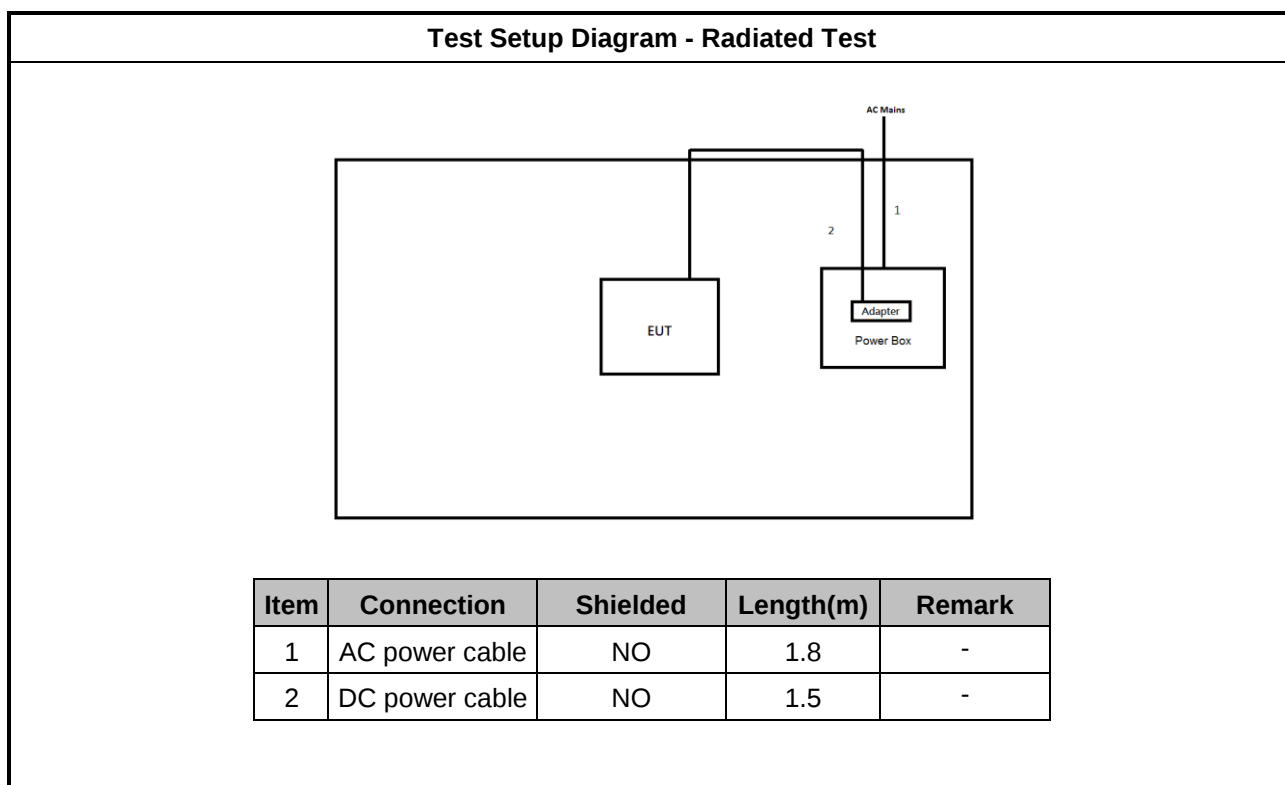
Reminder: Regarding to more detail and other information, please refer to user manual.

2.4 Support Equipment

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	AC Adapter	ASIAN POWER DEVICES INC.	WA-48A12R	-	Provided by Customer

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Adapter	ASIAN POWER DEVICES INC.	WA-48A12R	-	Provided by Customer
2	RJ45 Cable	Power sync	CAT-6E-10	-	-
3	Notebook	Dell	P28S	-	Remote
4	AC Adapter (for NB)	HP	HSTNN-CA40	-	Remote
5	AC Power cable	PowerSync	TPCMRN0018	-	Remote

2.5 Test Setup Diagram



3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☒	For the 5.25-5.35 GHz band, N/A
☒	For the 5.47-5.725 GHz band, N/A
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.

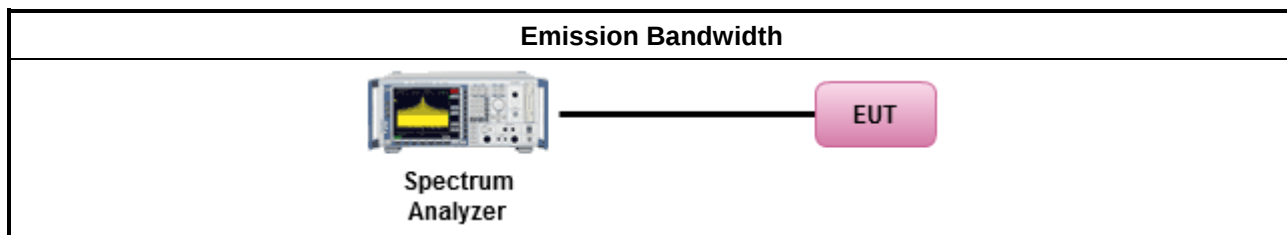
3.1.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method	
For the emission bandwidth shall be measured using one of the options below:	
☒	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 6.7 for bandwidth testing.

3.1.4 Test Setup



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band:
☐	Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm]
☐	Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$
☐	Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed 1 W. If $G_{TX} > 23$ dBi, then $P_{Out} = 30 - (G_{TX} - 23)$.
☐	Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed 250 mW. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒	For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒	For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒	For the 5.725-5.85 GHz band:
☐	Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$.
☐	Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed 1 W.
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

3.2.2 Measuring Instruments

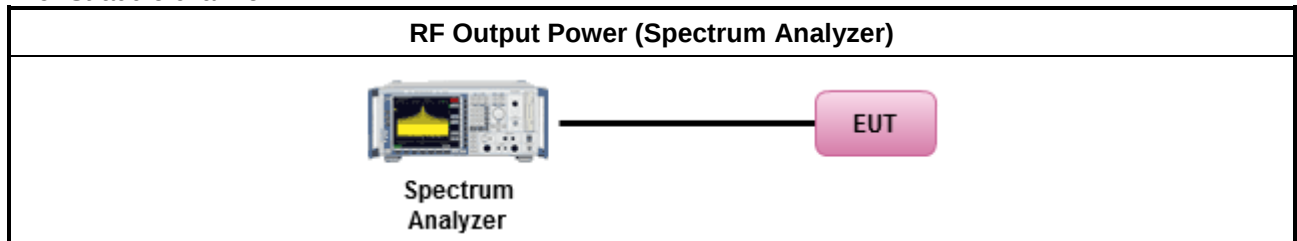
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

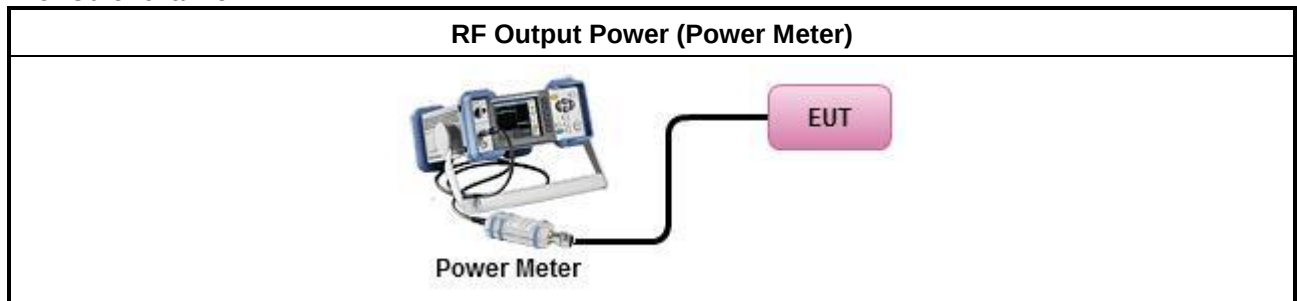
Test Method	
Maximum Conducted Output Power	
	Duty cycle $\geq 98\%$
☒	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $< 98\%$
☒	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
☒	Refer as KDB 789033, clause E Method PM (using an RF average power meter).
For conducted measurement.	
	If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	If multiple transmit chains, EIRP calculation could be following as methods: $P_{\text{total}} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $\text{EIRP}_{\text{total}} = P_{\text{total}} + \text{DG}$

3.2.4 Test Setup

For Straddle channel



For Other channel



3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Peak Power Spectral Density

3.3.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band:
☐	Outdoor AP: the peak power spectral density (PPSD) shall not exceed 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
☐	Indoor AP: the peak power spectral density (PPSD) shall not exceed 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
☐	Point-to-point AP: the peak power spectral density (PPSD) shall not exceed 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$.
☐	Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒	For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒	For the 5.725-5.85 GHz band:
☐	Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$.
☐	Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz G_{TX} = the maximum transmitting antenna directional gain in dBi.	

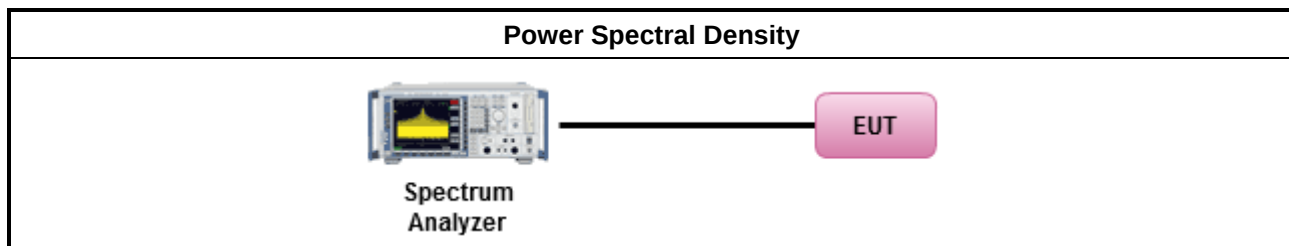
3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method	
Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
☐ Refer as KDB 789033, F5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	Duty cycle ≥ 98%
☒ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).	Duty cycle < 98%
☒ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below:	
Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.	
If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C

3.4 Unwanted Emissions

3.4.1 Transmitter Radiated Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.85 GHz	5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

3.4.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

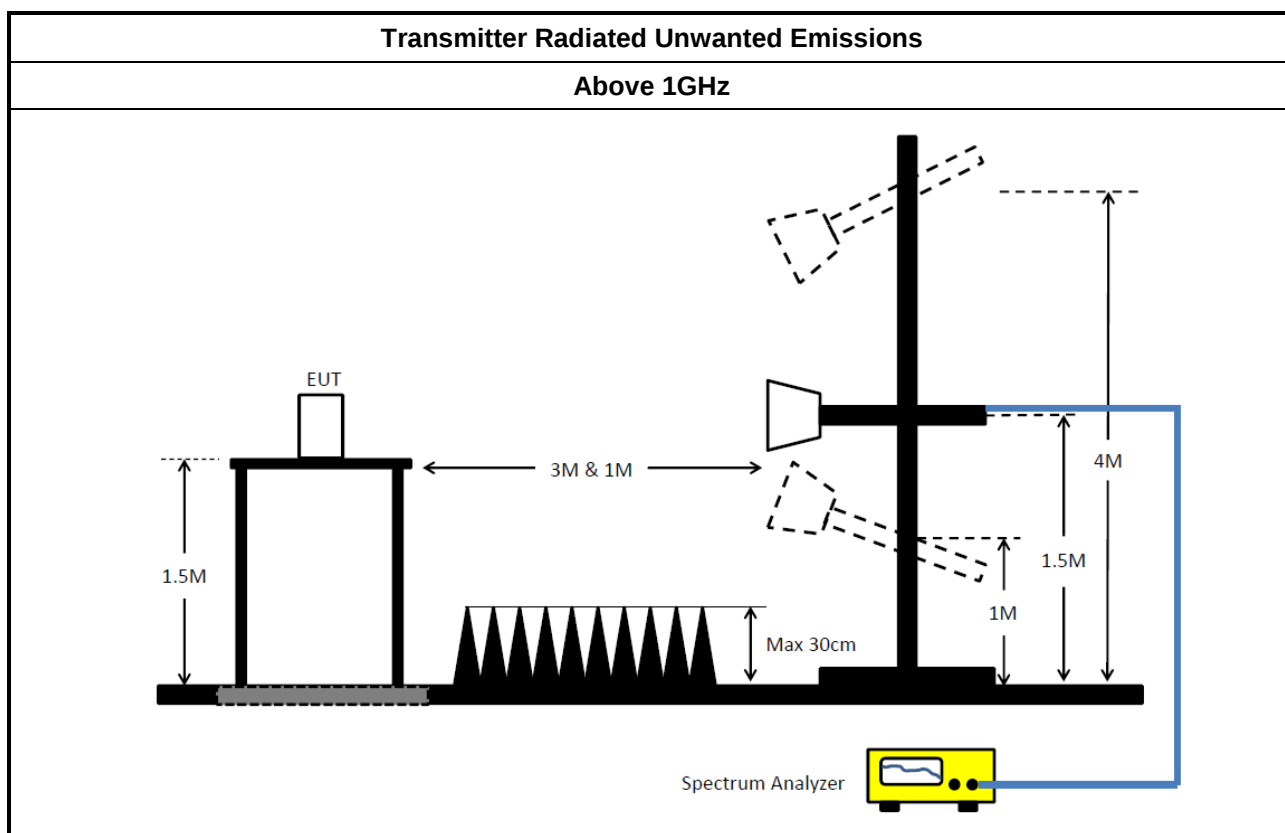
Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.
☒	Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.
☒	Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	
Use the following spectrum analyzer settings:	
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

3.4.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

3.4.5 Test Setup



3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D



4 Test Equipment and Calibration Data

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	9kHz~40GHz	02/Feb/2024	01/Feb/2025
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	20/Oct/2023	19/Oct/2024
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	15/Dec/2023	14/Dec/2024
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	15/Dec/2023	14/Dec/2024
SENSE-15407_NII	Sporton	V5.11.18	N/A	N/A	N/A	N/A

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH24-HY	1GHz~18GHz 3m	03/Aug/2023	02/Aug/2024
EMI Test Receiver	ROHDE & SCHWARZ	ESR	102318	9kHz~3.6GHz	27/Dec/2023	26/Dec/2024
Signal Analyzer	ROHDE & SCHWARZ	FSV3044	101345	10Hz~44GHz	10/Aug/2023	09/Aug/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02744	1GHz~18GHz	17/Aug/2023	16/Aug/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	21/Aug/2023	20/Aug/2024
RF Cable	HUBER+SUHNER	SUOFLEX 102	CB001	1GHz~40GHz	21/Jul/2023	20/Jul/2024
Amplifier	EM	EM01G18G	060870	1GHz ~18GHz	10/Aug/2023	09/Aug/2024
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	19/Apr/2024	18/Apr/2025
SENSE-15407-NII	Sporton	V5.11.18	NA	NA	NA	NA

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11be EHT160_Nss1,(MCS0)_2TX	82.08M	77.36M	77M4D1D	81.52M	77.177M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.515M	16.738M	16M7D1D	19.195M	16.463M
802.11be EHT20_Nss1,(MCS0)_2TX	22.165M	19.176M	19M2D1D	20.46M	18.921M
802.11be EHT40_Nss1,(MCS0)_2TX	43.23M	38.071M	38M1D1D	40.92M	37.972M
802.11be EHT80_Nss1,(MCS0)_2TX	82.28M	77.666M	77M7D1D	80.08M	77.393M
802.11be EHT160_Nss1,(MCS0)_2TX	80.08M	77.471M	77M5D1D	80M	77.415M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.625M	16.804M	16M8D1D	15.015M	13.233M
802.11be EHT20_Nss1,(MCS0)_2TX	21.56M	19.215M	19M2D1D	15.75M	14.453M
802.11be EHT40_Nss1,(MCS0)_2TX	42.57M	38.101M	38M1D1D	34.79M	33.694M
802.11be EHT80_Nss1,(MCS0)_2TX	83.82M	77.593M	77M6D1D	75.15M	73.287M
802.11be EHT160_Nss1,(MCS0)_2TX	161.92M	156.718M	157MD1D	161.92M	156.69M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.28M	3.749M	3M75D1D	3.26M	3.686M
802.11be EHT20_Nss1,(MCS0)_2TX	4.56M	4.584M	4M58D1D	4.54M	4.583M
802.11be EHT40_Nss1,(MCS0)_2TX	4.1M	4.487M	4M49D1D	4.08M	4.133M
802.11be EHT80_Nss1,(MCS0)_2TX	4.1M	4.34M	4M34D1D	4.06M	4.267M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Min-OBW = Minimum 99% occupied bandwidth

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	19.58M	16.542M	20.515M	16.487M
5300MHz	Pass	Inf	19.305M	16.475M	19.195M	16.463M
5320MHz	Pass	Inf	19.965M	16.738M	19.415M	16.548M
5500MHz	Pass	Inf	20.515M	16.644M	20.625M	16.546M
5580MHz	Pass	Inf	20.57M	16.559M	20.24M	16.804M
5700MHz	Pass	Inf	19.91M	16.684M	19.965M	16.494M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.03M	13.233M	15.015M	13.287M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.26M	3.749M	3.28M	3.686M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.285M	19.126M	22.165M	19.043M
5300MHz	Pass	Inf	20.9M	18.921M	21.175M	19.001M
5320MHz	Pass	Inf	20.46M	18.935M	21.615M	19.176M
5500MHz	Pass	Inf	21.01M	19.007M	21.56M	18.956M
5580MHz	Pass	Inf	21.56M	18.959M	20.735M	19.014M
5700MHz	Pass	Inf	20.515M	19.006M	21.285M	19.215M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.75M	14.524M	16.095M	14.453M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.54M	4.583M	4.56M	4.584M
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	41.14M	38.071M	41.69M	38.012M
5310MHz	Pass	Inf	40.92M	37.972M	43.23M	38.016M
5510MHz	Pass	Inf	40.37M	37.788M	42.57M	37.831M
5550MHz	Pass	Inf	40.81M	37.811M	41.14M	38.101M
5670MHz	Pass	Inf	40.48M	37.787M	40.81M	37.824M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.79M	33.761M	35.455M	33.694M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.08M	4.487M	4.1M	4.133M
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	82.28M	77.666M	80.08M	77.393M
5530MHz	Pass	Inf	81.18M	77.53M	82.94M	77.593M
5610MHz	Pass	Inf	82.72M	77.38M	83.82M	77.515M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.15M	73.398M	75.15M	73.287M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.06M	4.34M	4.1M	4.267M
802.11be EHT160_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	82.08M	77.177M	81.52M	77.36M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	80.08M	77.415M	80M	77.471M
5570MHz	Pass	Inf	161.92M	156.718M	161.92M	156.69M

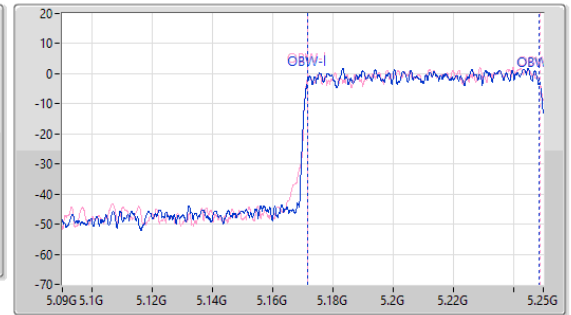
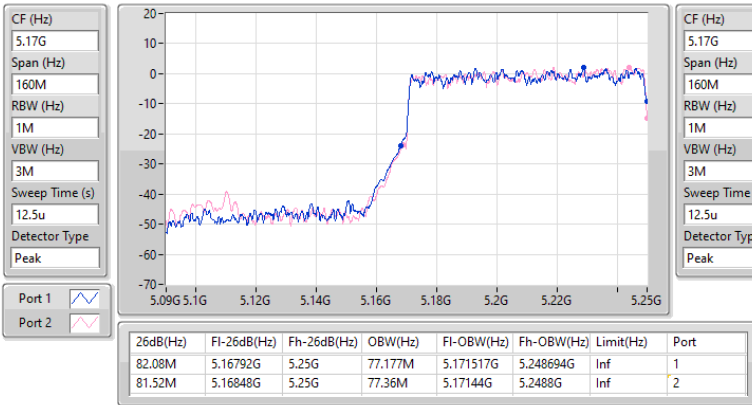
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11be_EHT160_Nss1,(MCS0)_2TX

EBW

5250MHz Straddle 5.15-5.25GHz

28/05/2024

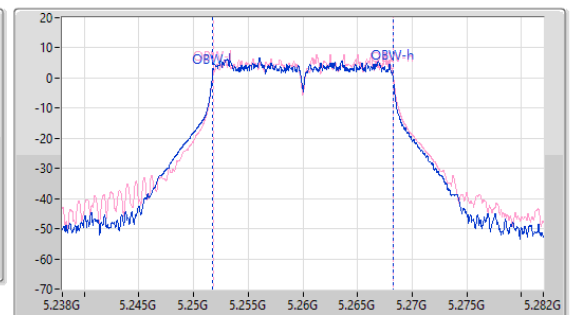
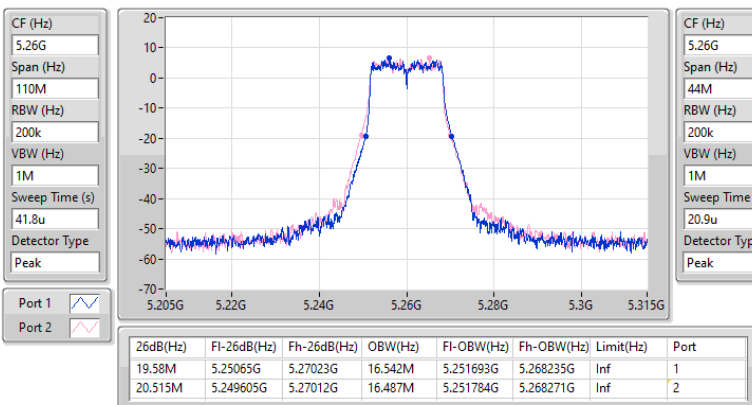


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5260MHz

28/05/2024

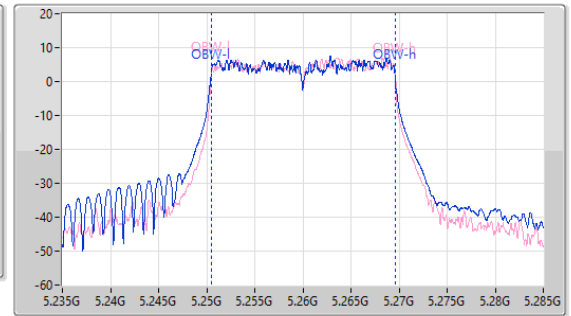
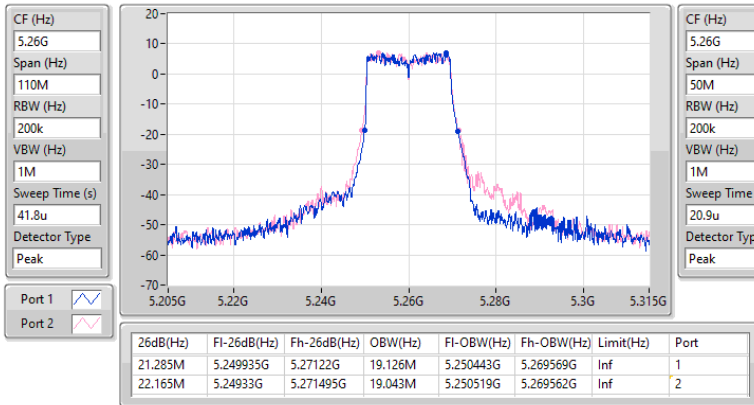


5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5260MHz

28/05/2024

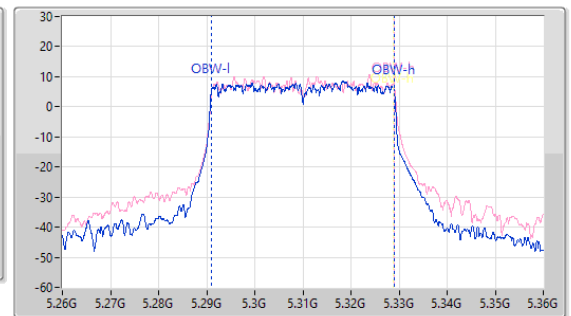
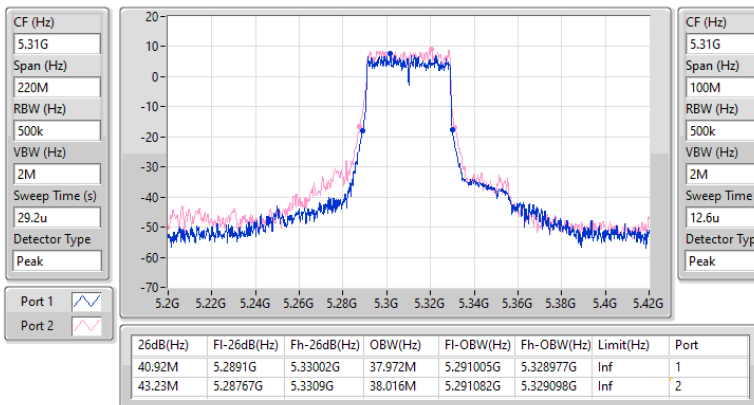


5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5310MHz

28/05/2024

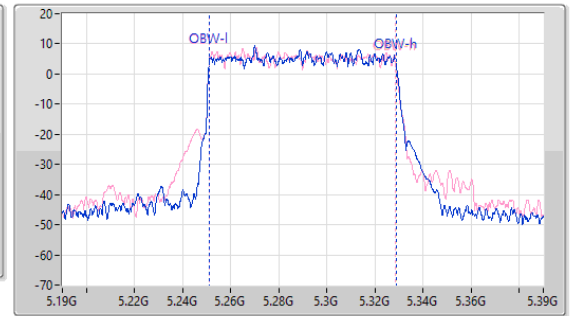
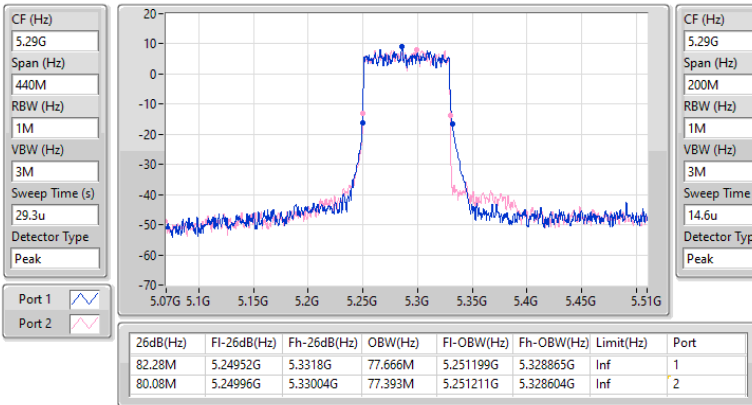


5.25-5.35GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5290MHz

28/05/2024

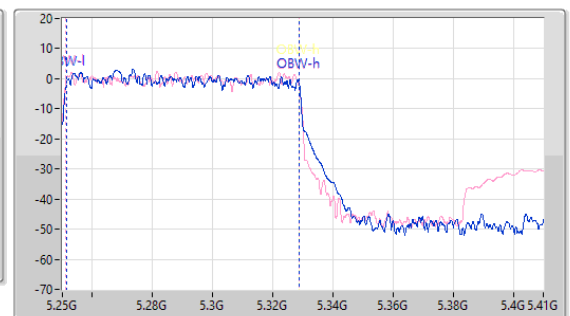
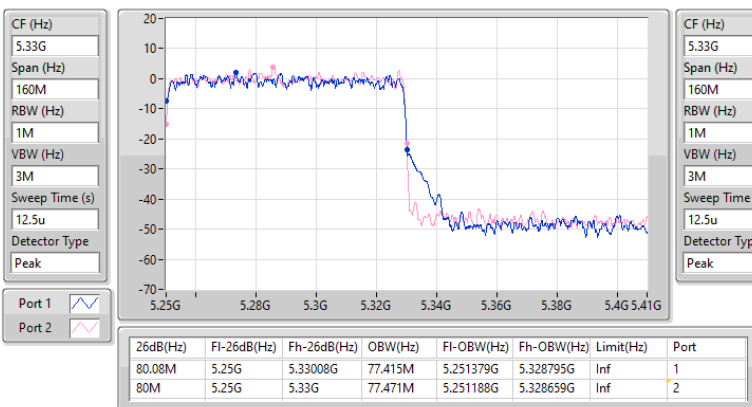


5.25-5.35GHz_802.11be EHT160_Nss1,(MCS0)_2TX

EBW

5250MHz Straddle 5.25-5.35GHz

28/05/2024

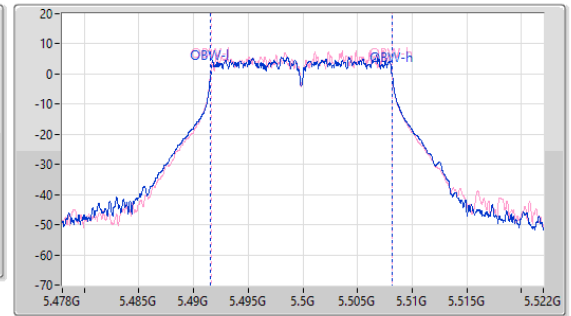
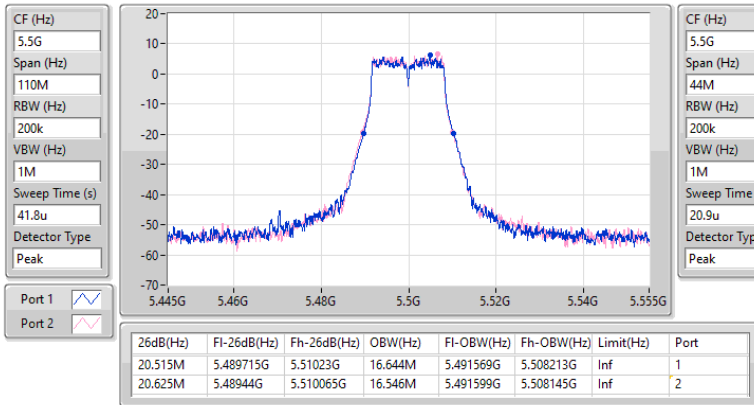


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5500MHz

28/05/2024

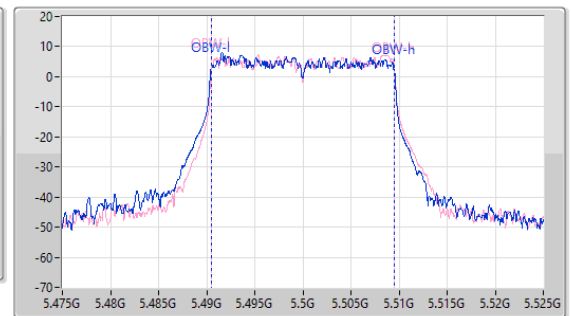
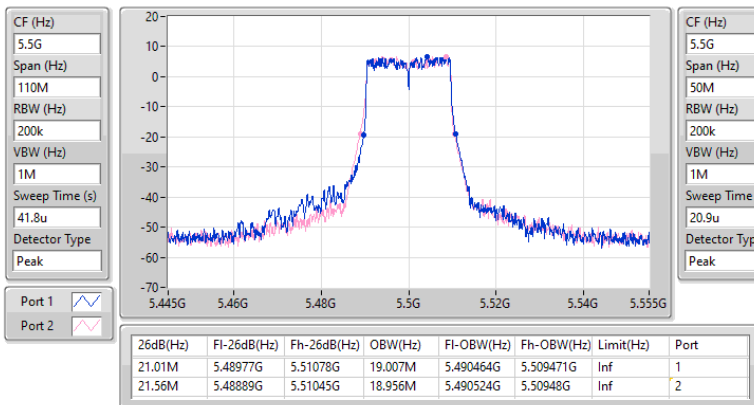


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5500MHz

28/05/2024

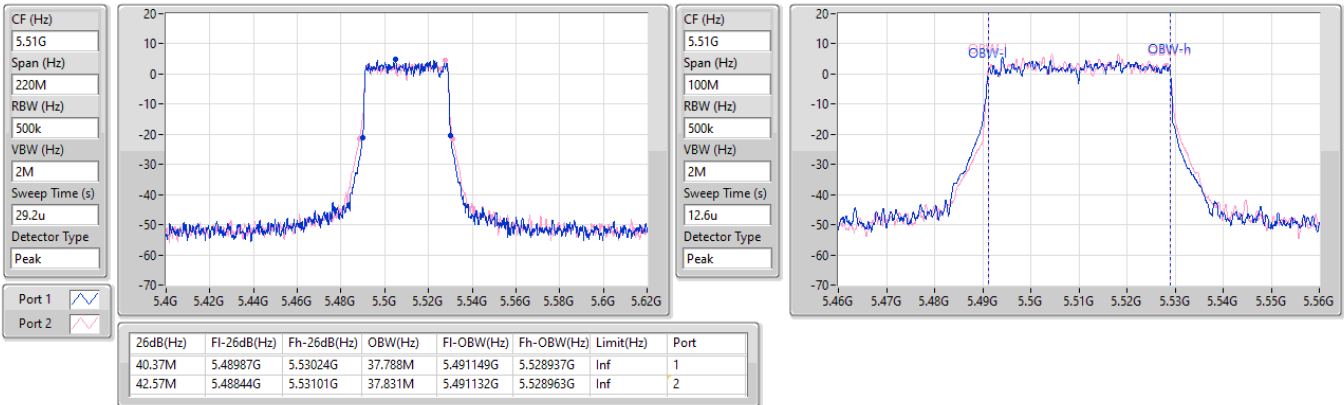


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5510MHz

28/05/2024

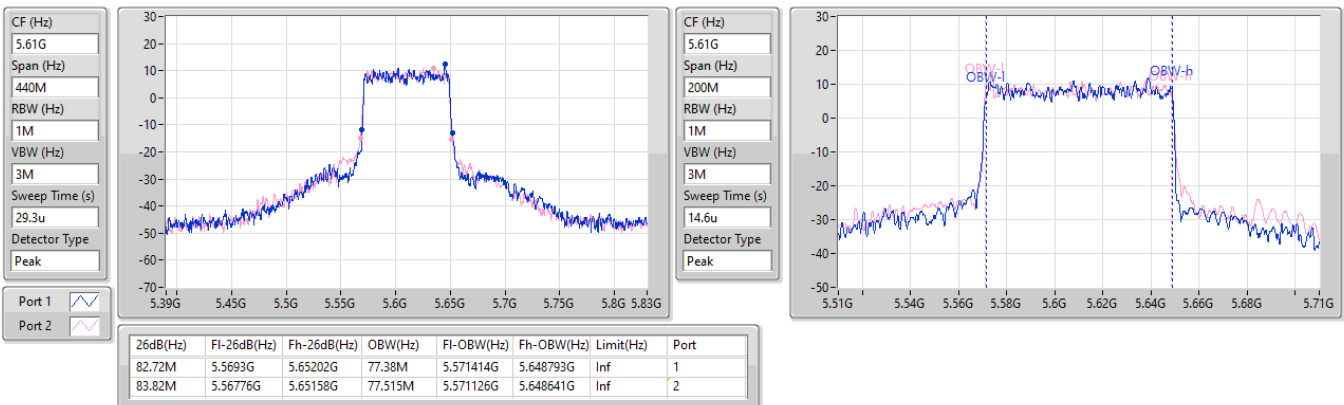


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5610MHz

28/05/2024

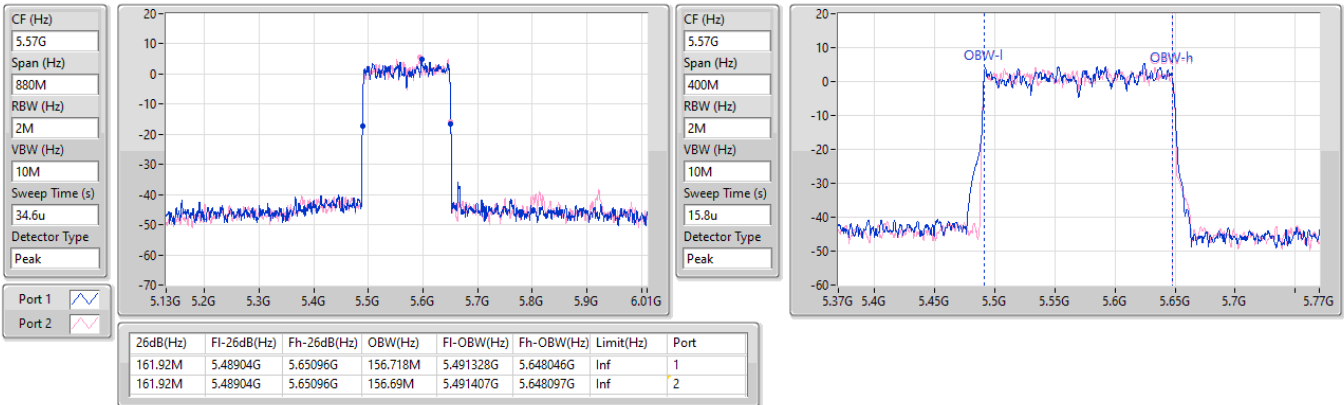


5.47-5.725GHz_802.11be EHT160_Nss1,(MCS0)_2TX

EBW

5570MHz

28/05/2024

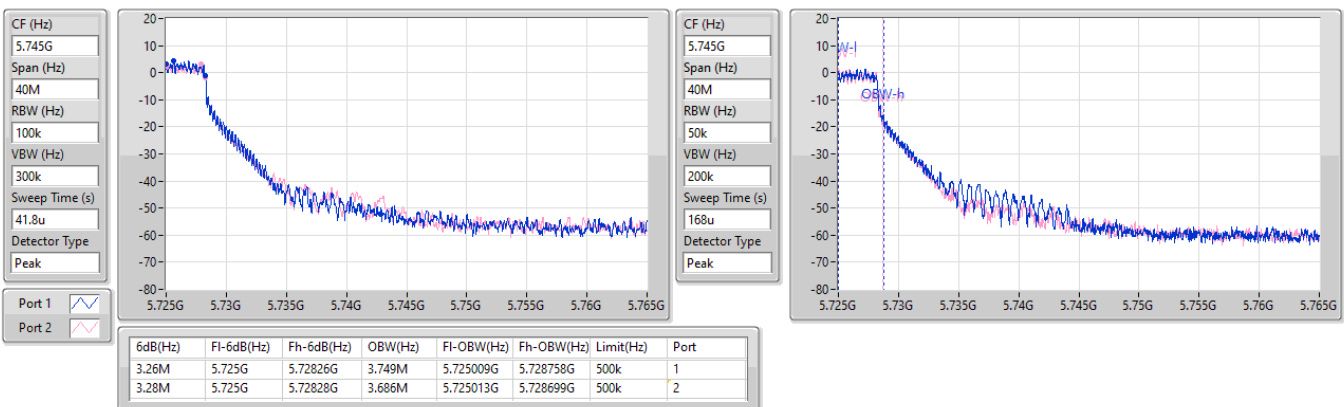


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

28/05/2024

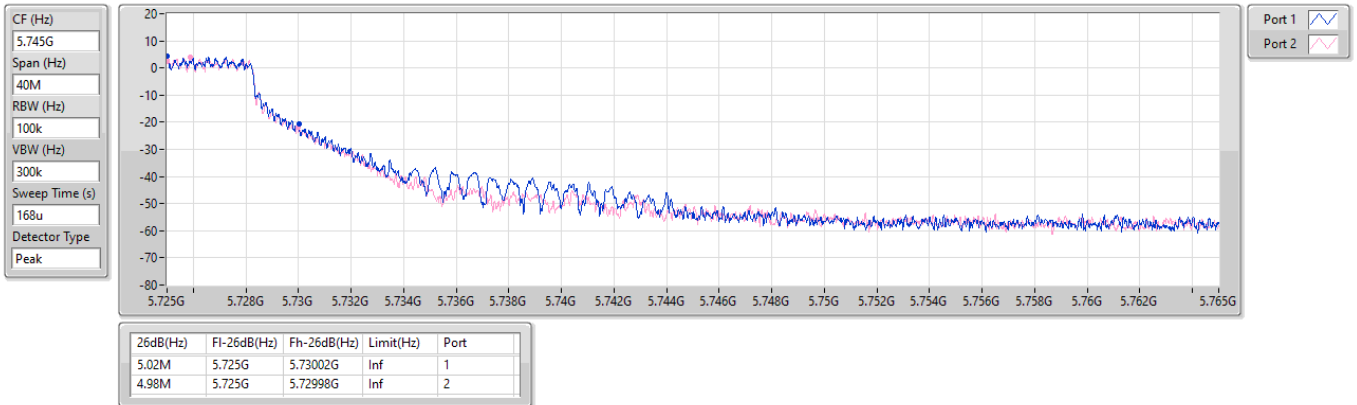


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

28/05/2024

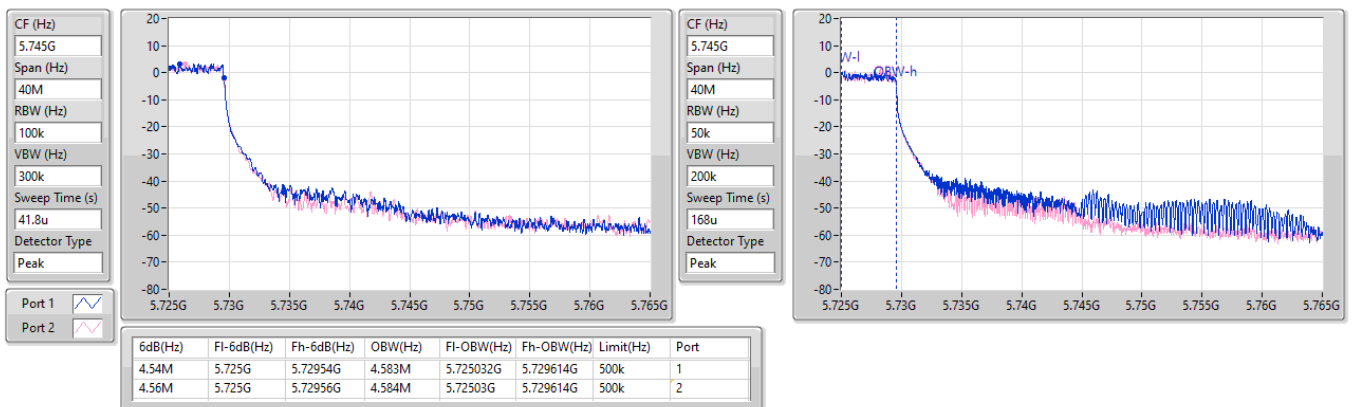


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

28/05/2024

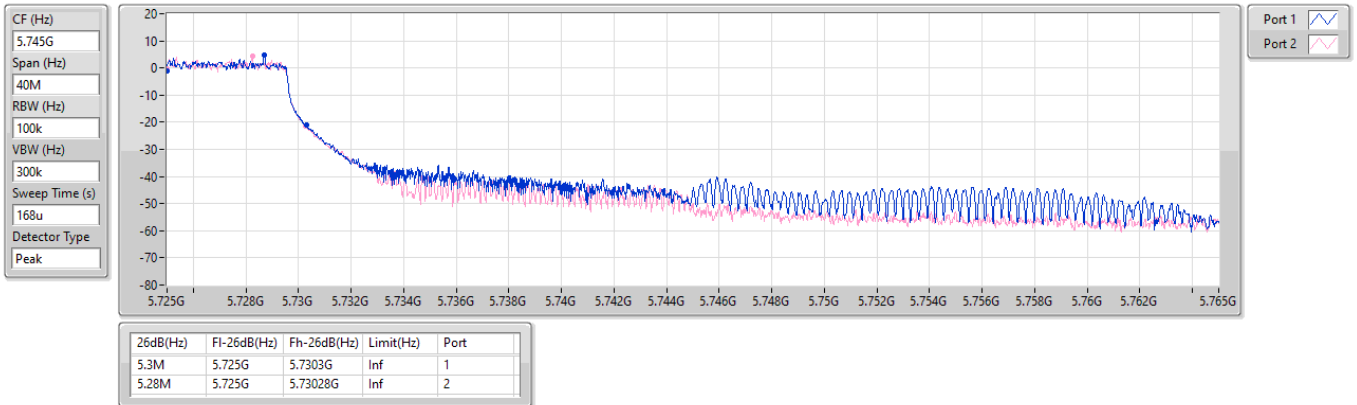


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

28/05/2024

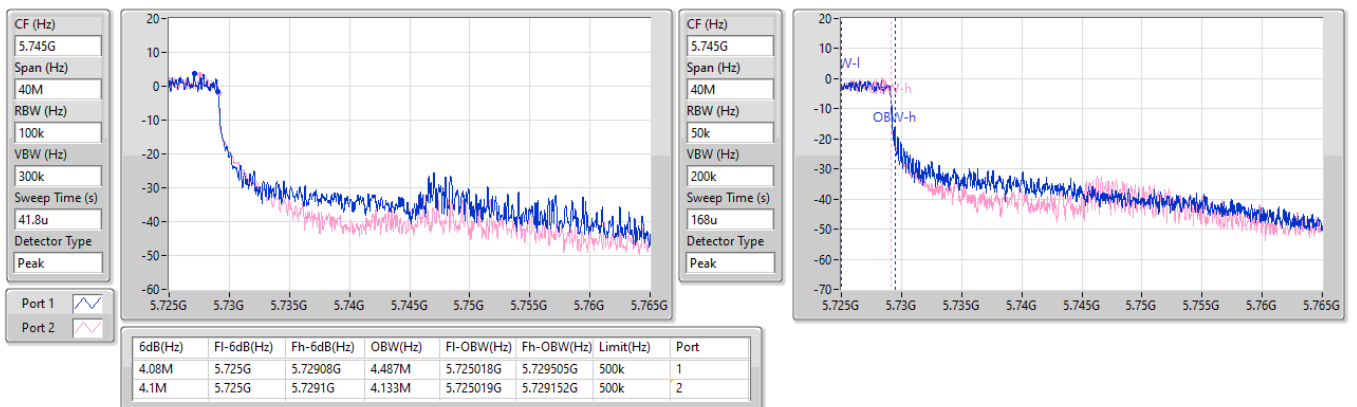


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

28/05/2024

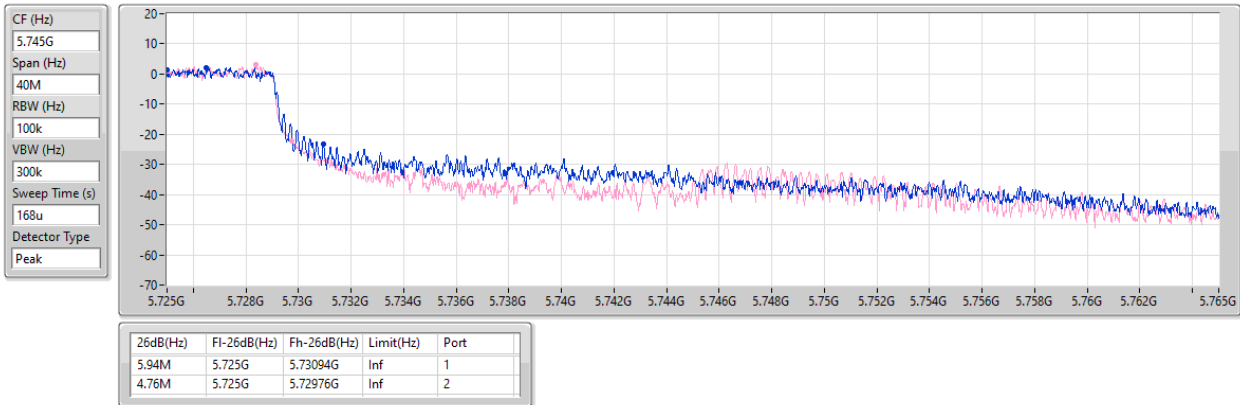


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

28/05/2024

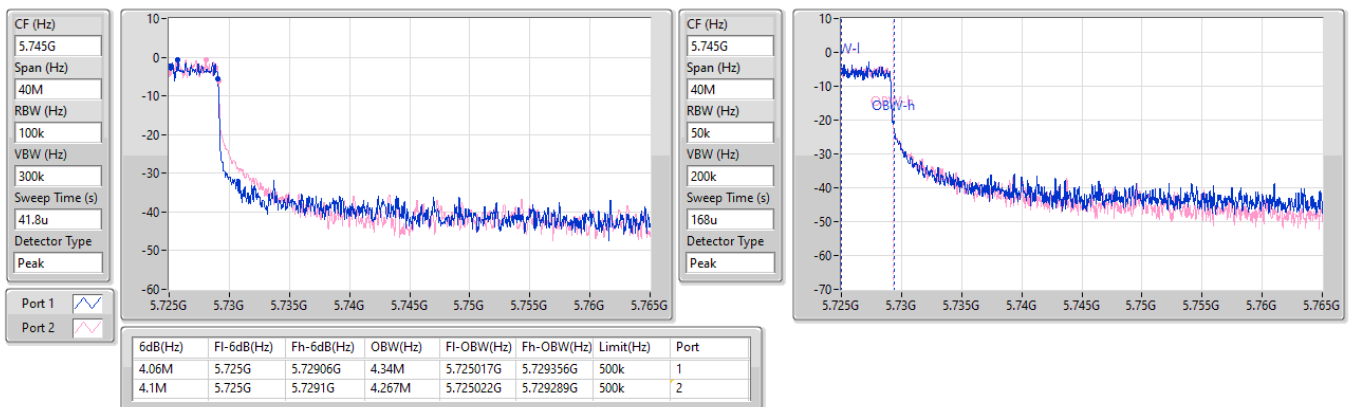


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

28/05/2024



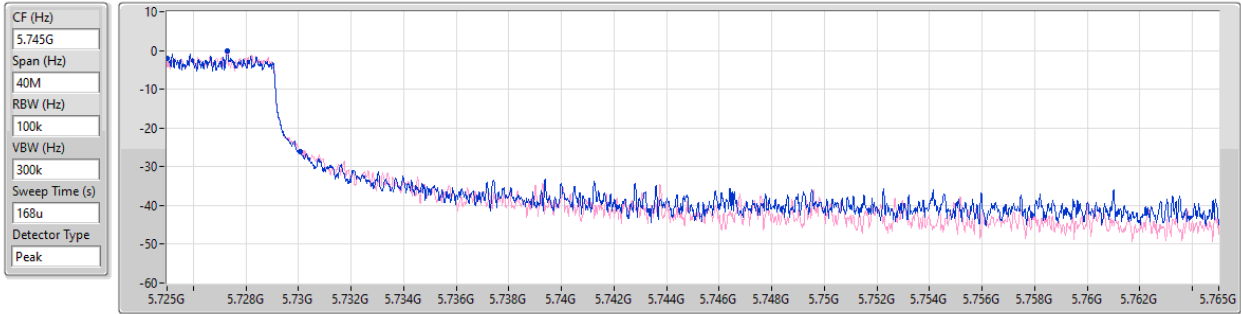


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

28/05/2024



Port 1
Port 2

26dB(Hz)	F1-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
5.06M	5.725G	5.73006G	Inf	1
5.18M	5.725G	5.73018G	Inf	2

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11be EHT160_Nss1,(MCS0)_2TX	15.20	0.03311	20.52	0.11272
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.42	0.13868	26.74	0.47206
802.11be EHT20_Nss1,(MCS0)_2TX	22.07	0.16106	27.39	0.54828
802.11be EHT40_Nss1,(MCS0)_2TX	23.89	0.24491	29.21	0.83368
802.11be EHT80_Nss1,(MCS0)_2TX	20.96	0.12474	26.28	0.42462
802.11be EHT160_Nss1,(MCS0)_2TX	15.64	0.03664	20.96	0.12474
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.65	0.14622	26.97	0.49774
802.11be EHT20_Nss1,(MCS0)_2TX	21.98	0.15776	27.30	0.53703
802.11be EHT40_Nss1,(MCS0)_2TX	23.96	0.24889	29.28	0.84723
802.11be EHT80_Nss1,(MCS0)_2TX	23.88	0.24434	29.20	0.83176
802.11be EHT160_Nss1,(MCS0)_2TX	17.04	0.05058	22.36	0.17219
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	14.95	0.03126	20.27	0.10641
802.11be EHT20_Nss1,(MCS0)_2TX	15.97	0.03954	21.29	0.13459
802.11be EHT40_Nss1,(MCS0)_2TX	15.01	0.03170	20.33	0.10789
802.11be EHT80_Nss1,(MCS0)_2TX	11.29	0.01346	16.61	0.04581



Average Power_Non-Beamforming_Radio 2

Appendix B.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.32	18.28	18.41	21.36	23.92	26.68	29.92
5300MHz	Pass	5.32	18.27	18.55	21.42	23.83	26.74	29.83
5320MHz	Pass	5.32	18.16	18.56	21.37	23.88	26.69	29.88
5500MHz	Pass	5.32	18.09	18.23	21.17	23.98	26.49	30.00
5580MHz	Pass	5.32	18.58	18.70	21.65	23.98	26.97	30.00
5700MHz	Pass	5.32	18.54	18.49	21.53	23.98	26.85	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.32	17.78	17.69	20.75	22.77	26.07	28.77
5720MHz Straddle 5.725-5.85GHz	Pass	5.32	12.04	11.83	14.95	30.00	20.27	36.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.32	19.01	19.11	22.07	23.98	27.39	30.00
5300MHz	Pass	5.32	18.48	18.81	21.66	23.98	26.98	30.00
5320MHz	Pass	5.32	18.43	18.78	21.62	23.98	26.94	30.00
5500MHz	Pass	5.32	18.86	18.96	21.92	23.98	27.24	30.00
5580MHz	Pass	5.32	18.93	19.01	21.98	23.98	27.30	30.00
5700MHz	Pass	5.32	13.57	13.55	16.57	23.98	21.89	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.32	17.79	17.87	20.84	22.97	26.16	28.97
5720MHz Straddle 5.725-5.85GHz	Pass	5.32	13.16	12.76	15.97	30.00	21.29	36.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.32	20.83	20.92	23.89	23.98	29.21	30.00
5310MHz	Pass	5.32	19.53	19.81	22.68	23.98	28.00	30.00
5510MHz	Pass	5.32	15.05	15.27	18.17	23.98	23.49	30.00
5550MHz	Pass	5.32	20.93	20.49	23.73	23.98	29.05	30.00
5670MHz	Pass	5.32	18.71	18.67	21.70	23.98	27.02	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.32	20.99	20.90	23.96	23.98	29.28	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.32	11.88	12.11	15.01	30.00	20.33	36.00
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	5.32	17.87	18.03	20.96	23.98	26.28	30.00
5530MHz	Pass	5.32	15.85	16.12	19.00	23.98	24.32	30.00
5610MHz	Pass	5.32	20.76	20.98	23.88	23.98	29.20	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.32	20.85	20.89	23.88	23.98	29.20	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.32	8.13	8.42	11.29	30.00	16.61	36.00
802.11be EHT160_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.32	12.18	12.20	15.20	30.00	20.52	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	5.32	12.41	12.84	15.64	23.98	20.96	30.00
5570MHz	Pass	5.32	13.96	14.09	17.04	23.98	22.36	30.00

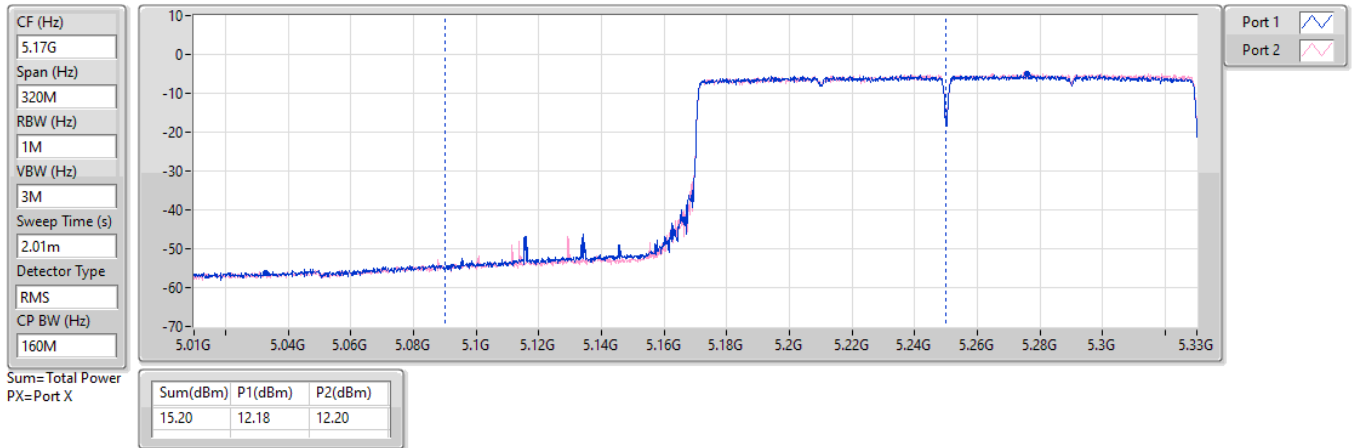
DG = Directional Gain; Port X = Port X output power
Inf = There's no restriction for the limit.

5.15-5.25GHz_802.11be EHT160_Nss1,(MCS0)_2TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TX

28/05/2024

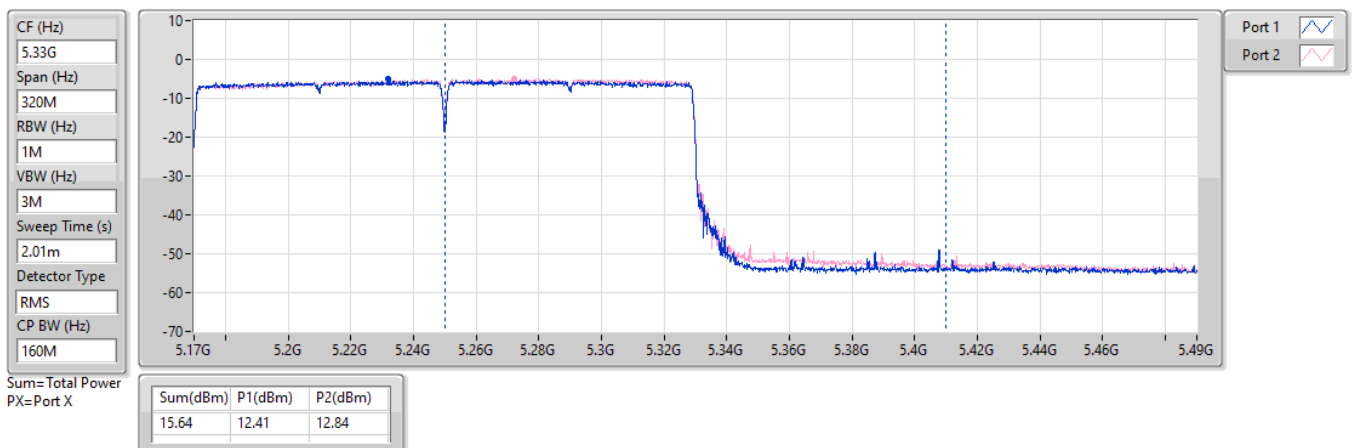


5.25-5.35GHz_802.11be EHT160_Nss1,(MCS0)_2TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TX

28/05/2024

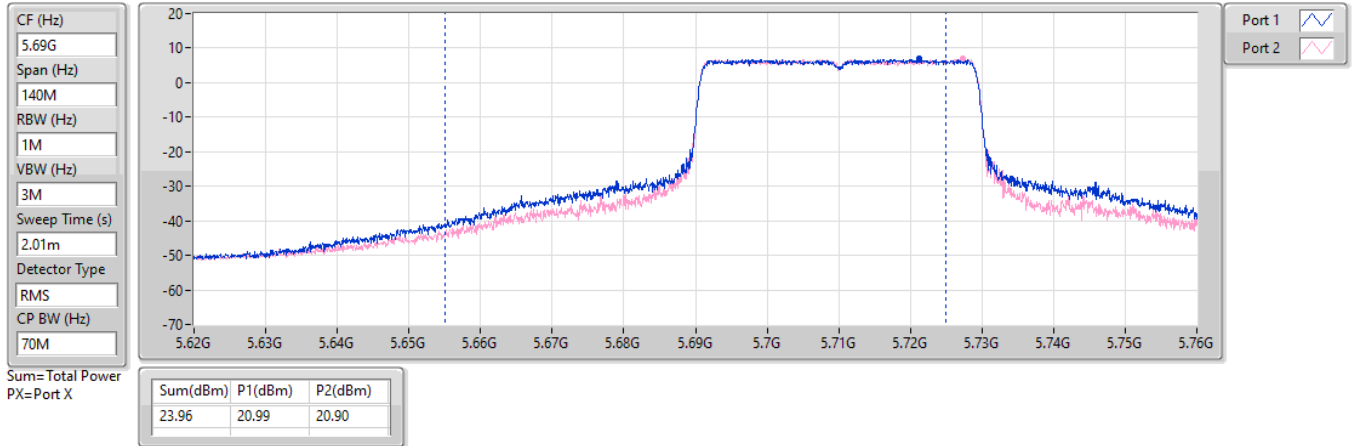


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

28/05/2024

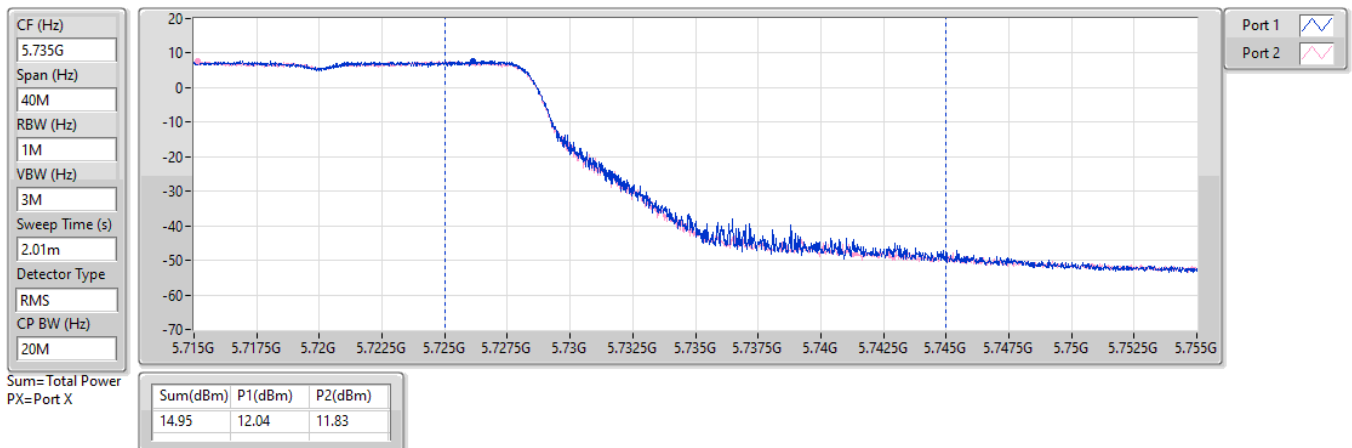


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

28/05/2024

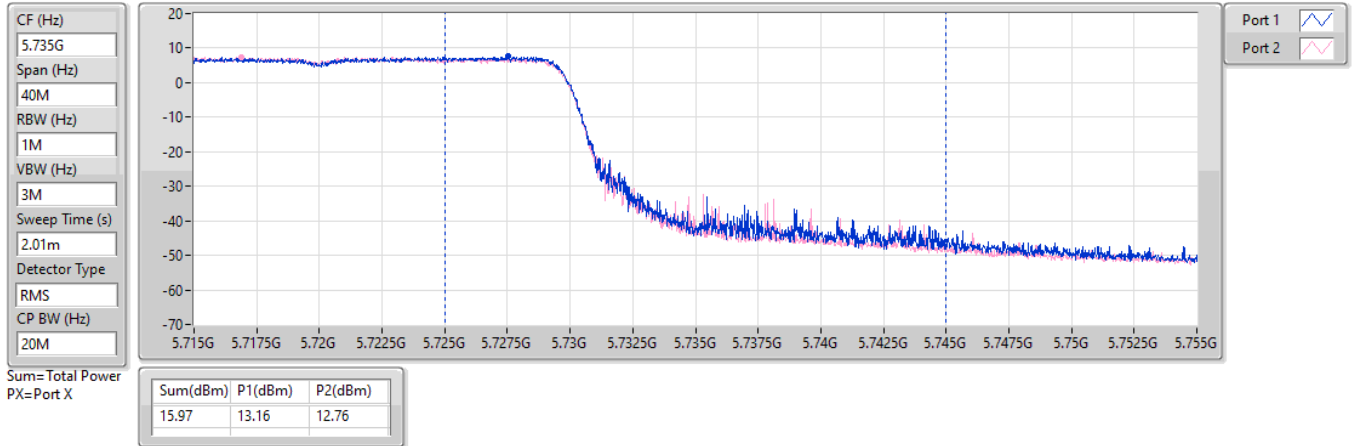


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

28/05/2024

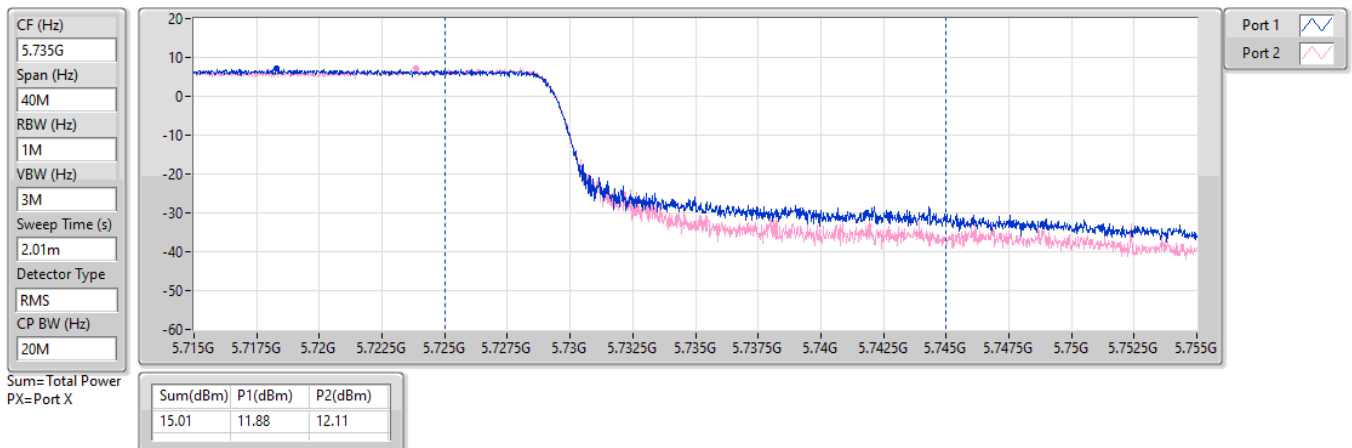


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX

28/05/2024

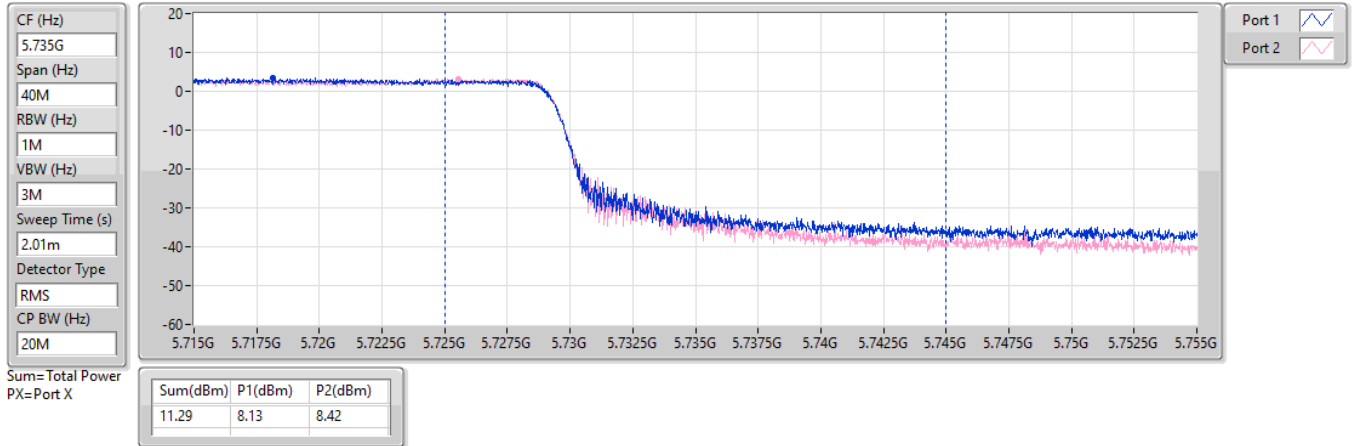


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

28/05/2024



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11be EHT160-BF_Nss1,(MCS0)_2TX	15.10	0.03236	23.38	0.21777
5.25-5.35GHz	-	-	-	-
802.11be EHT20-BF_Nss1,(MCS0)_2TX	21.12	0.12942	29.40	0.87096
802.11be EHT40-BF_Nss1,(MCS0)_2TX	21.13	0.12972	29.41	0.87297
802.11be EHT80-BF_Nss1,(MCS0)_2TX	20.91	0.12331	29.19	0.82985
802.11be EHT160-BF_Nss1,(MCS0)_2TX	15.57	0.03606	23.85	0.24266
5.47-5.725GHz	-	-	-	-
802.11be EHT20-BF_Nss1,(MCS0)_2TX	20.94	0.12417	29.22	0.83560
802.11be EHT40-BF_Nss1,(MCS0)_2TX	21.21	0.13213	29.49	0.88920
802.11be EHT80-BF_Nss1,(MCS0)_2TX	20.86	0.12190	29.14	0.82035
802.11be EHT160-BF_Nss1,(MCS0)_2TX	17.03	0.05047	25.31	0.33963
5.725-5.85GHz	-	-	-	-
802.11be EHT20-BF_Nss1,(MCS0)_2TX	14.92	0.03105	23.20	0.20893
802.11be EHT40-BF_Nss1,(MCS0)_2TX	11.85	0.01531	20.13	0.10304
802.11be EHT80-BF_Nss1,(MCS0)_2TX	8.16	0.00655	16.44	0.04406



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	8.28	17.99	18.09	21.05	21.70	29.33	30.00
5300MHz	Pass	8.28	17.94	18.27	21.12	21.70	29.40	30.00
5320MHz	Pass	8.28	17.91	18.26	21.10	21.70	29.38	30.00
5500MHz	Pass	8.28	17.81	17.91	20.87	21.70	29.15	30.00
5580MHz	Pass	8.28	17.89	17.97	20.94	21.70	29.22	30.00
5700MHz	Pass	8.28	13.52	13.50	16.52	21.70	24.80	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.28	16.90	16.75	19.84	20.69	28.12	28.97
5720MHz Straddle 5.725-5.85GHz	Pass	8.28	11.86	11.96	14.92	27.72	23.20	36.00
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	8.28	17.78	17.87	20.84	21.70	29.12	30.00
5310MHz	Pass	8.28	17.98	18.26	21.13	21.70	29.41	30.00
5510MHz	Pass	8.28	15.00	15.22	18.12	21.70	26.40	30.00
5550MHz	Pass	8.28	18.40	17.98	21.21	21.70	29.49	30.00
5670MHz	Pass	8.28	18.16	18.12	21.15	21.70	29.43	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.28	18.04	18.07	21.07	21.70	29.35	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.28	8.94	8.74	11.85	27.72	20.13	36.00
802.11be EHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	8.28	17.82	17.98	20.91	21.70	29.19	30.00
5530MHz	Pass	8.28	15.83	16.10	18.98	21.70	27.26	30.00
5610MHz	Pass	8.28	17.74	17.96	20.86	21.70	29.14	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	8.28	17.72	17.72	20.73	21.70	29.01	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	8.28	5.18	5.12	8.16	27.72	16.44	36.00
802.11be EHT160-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	8.28	12.21	11.96	15.10	27.72	23.38	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	8.28	12.71	12.40	15.57	21.70	23.85	30.00
5570MHz	Pass	8.28	13.95	14.08	17.03	21.70	25.31	30.00

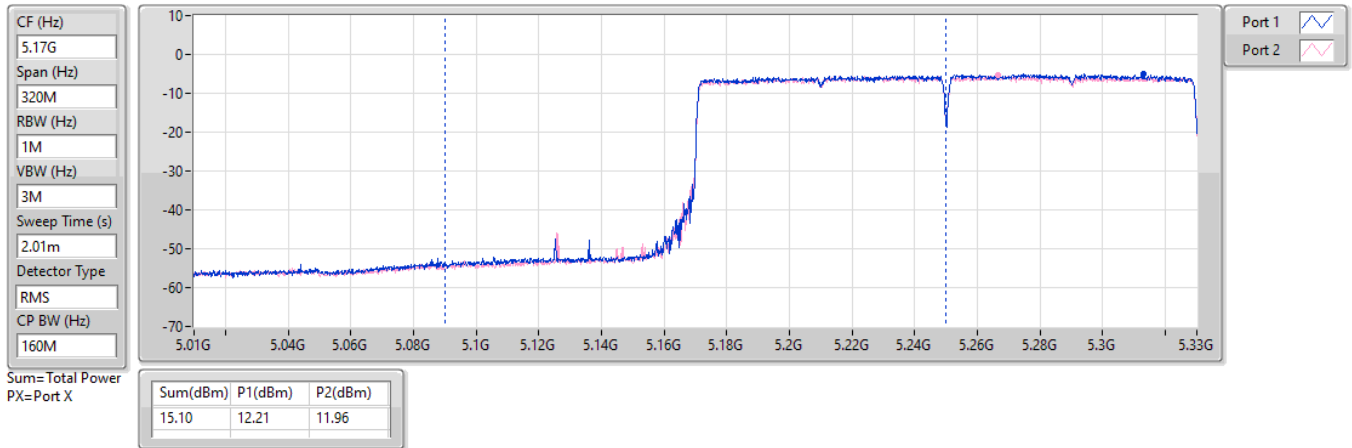
DG = Directional Gain; Port X = Port X output power
Inf = There's no restriction for the limit.

5.15-5.25GHz_802.11be EHT160-BF_Nss1,(MCS0)_2TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TX

30/05/2024

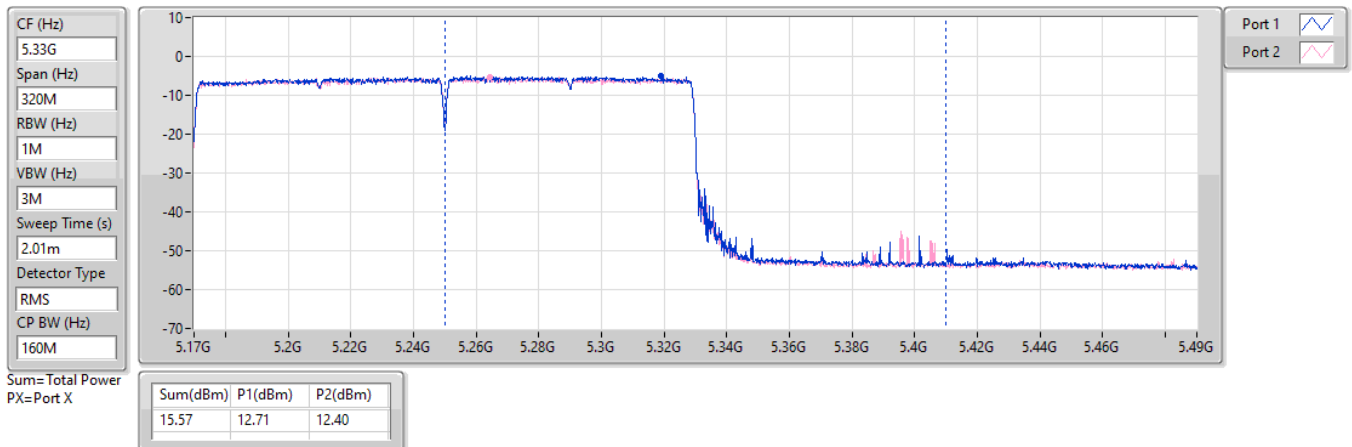


5.25-5.35GHz_802.11be EHT160-BF_Nss1,(MCS0)_2TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TX

30/05/2024

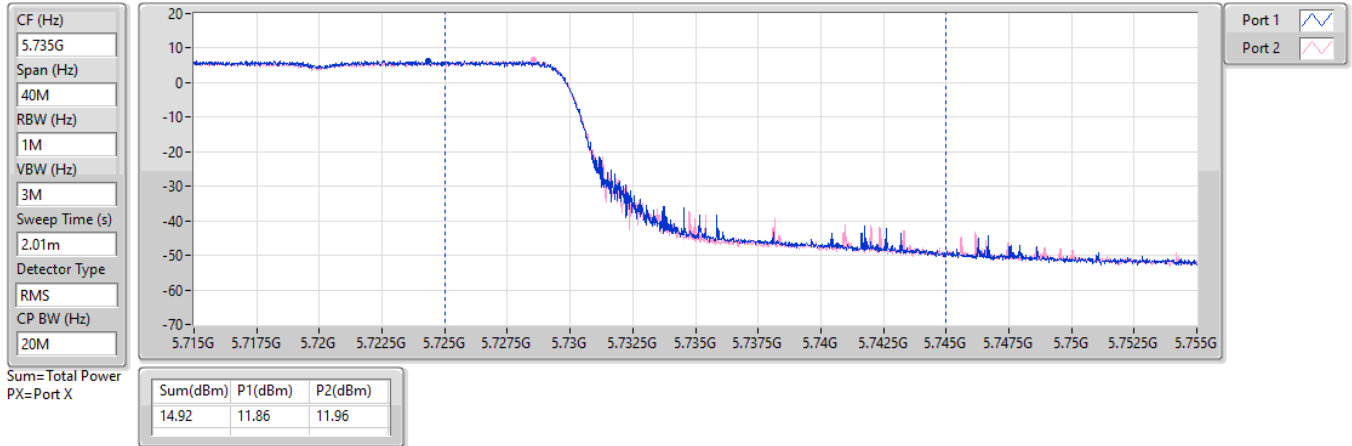


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

30/05/2024

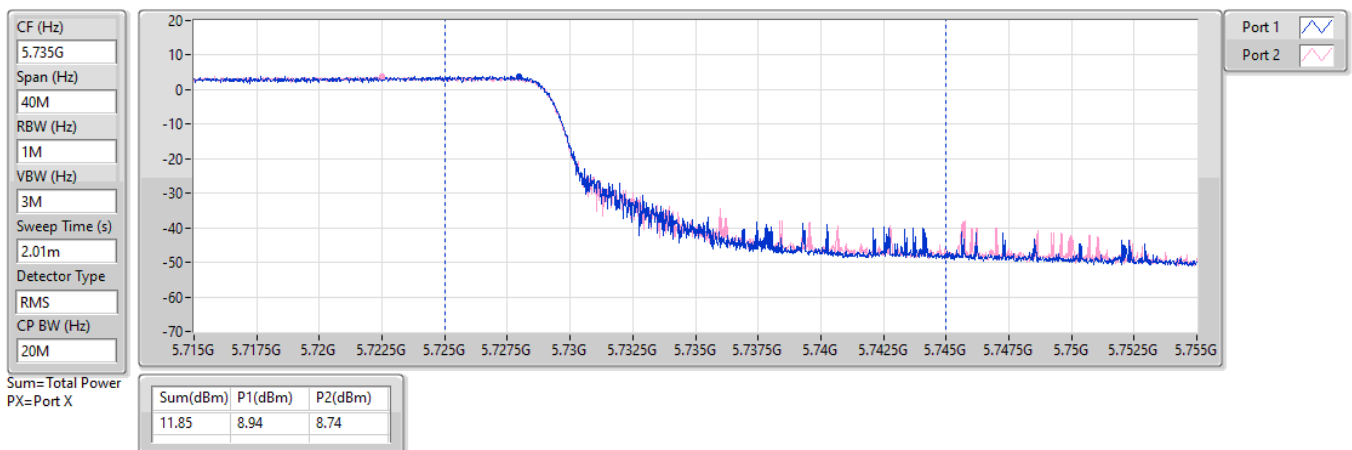


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX

30/05/2024

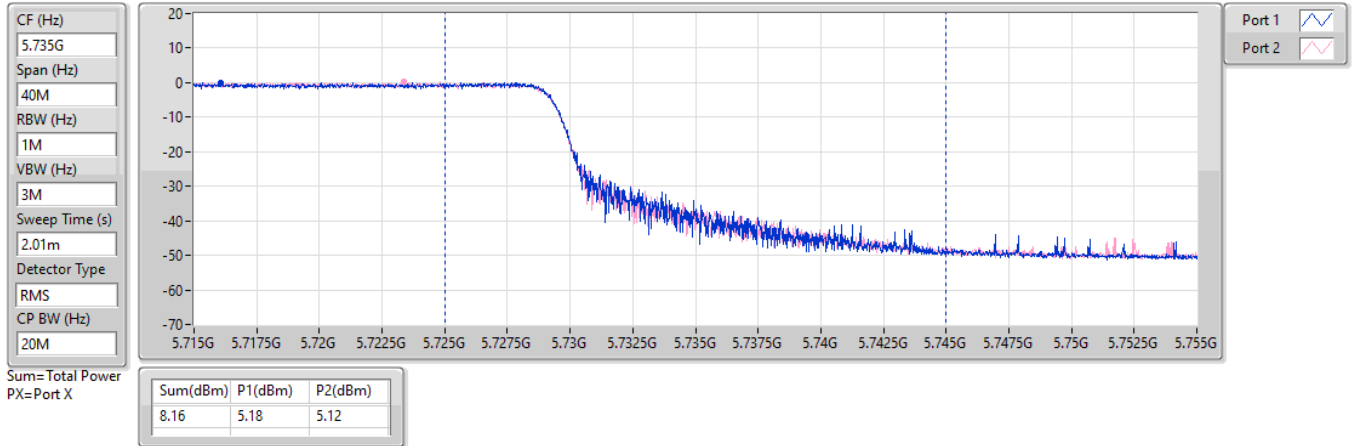


5.725-5.85GHz_802.11be EHT80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

30/05/2024





Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11be EHT160_Nss1,(MCS0)_2TX	-4.41	3.87
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.59	16.87
802.11be EHT20_Nss1,(MCS0)_2TX	8.68	16.96
802.11be EHT40_Nss1,(MCS0)_2TX	7.40	15.68
802.11be EHT80_Nss1,(MCS0)_2TX	1.46	9.74
802.11be EHT160_Nss1,(MCS0)_2TX	-4.23	4.05
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.66	16.94
802.11be EHT20_Nss1,(MCS0)_2TX	8.54	16.82
802.11be EHT40_Nss1,(MCS0)_2TX	7.76	16.04
802.11be EHT80_Nss1,(MCS0)_2TX	4.21	12.49
802.11be EHT160_Nss1,(MCS0)_2TX	-5.44	2.84
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	7.14	15.42
802.11be EHT20_Nss1,(MCS0)_2TX	6.87	15.15
802.11be EHT40_Nss1,(MCS0)_2TX	6.26	14.54
802.11be EHT80_Nss1,(MCS0)_2TX	2.53	10.81

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	8.28	5.43	5.57	8.50	8.72	16.78	17.00
5300MHz	Pass	8.28	5.45	5.76	8.59	8.72	16.87	17.00
5320MHz	Pass	8.28	5.39	5.77	8.56	8.72	16.84	17.00
5500MHz	Pass	8.28	5.27	5.37	8.29	8.72	16.57	17.00
5580MHz	Pass	8.28	5.52	5.73	8.59	8.72	16.87	17.00
5700MHz	Pass	8.28	5.86	5.77	8.66	8.72	16.94	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.28	5.70	5.72	8.59	8.72	16.87	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.28	4.34	4.19	7.14	27.72	15.42	36.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	8.28	5.61	5.78	8.68	8.72	16.96	17.00
5300MHz	Pass	8.28	5.23	5.44	8.32	8.72	16.60	17.00
5320MHz	Pass	8.28	5.15	5.51	8.30	8.72	16.58	17.00
5500MHz	Pass	8.28	5.57	5.60	8.54	8.72	16.82	17.00
5580MHz	Pass	8.28	5.52	5.50	8.47	8.72	16.75	17.00
5700MHz	Pass	8.28	0.26	0.11	3.15	8.72	11.43	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.28	5.56	5.35	8.38	8.72	16.66	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.28	4.11	3.63	6.87	27.72	15.15	36.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	8.28	4.39	4.46	7.40	8.72	15.68	17.00
5310MHz	Pass	8.28	3.33	3.50	6.38	8.72	14.66	17.00
5510MHz	Pass	8.28	-1.50	-1.13	1.65	8.72	9.93	17.00
5550MHz	Pass	8.28	4.54	4.88	7.66	8.72	15.94	17.00
5670MHz	Pass	8.28	2.32	2.35	5.26	8.72	13.54	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.28	4.87	4.79	7.76	8.72	16.04	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.28	3.17	3.49	6.26	27.72	14.54	36.00
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	8.28	-1.57	-1.50	1.46	8.72	9.74	17.00
5530MHz	Pass	8.28	-3.58	-3.21	-0.42	8.72	7.86	17.00
5610MHz	Pass	8.28	1.17	1.41	4.19	8.72	12.47	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	8.28	1.28	1.42	4.21	8.72	12.49	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	8.28	-0.57	-0.28	2.53	27.72	10.81	36.00
802.11be EHT160_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	8.28	-7.44	-7.38	-4.41	14.72	3.87	23.00
5250MHz Straddle 5.25-5.35GHz	Pass	8.28	-7.37	-7.10	-4.23	8.72	4.05	17.00
5570MHz	Pass	8.28	-8.36	-8.20	-5.44	8.72	2.84	17.00

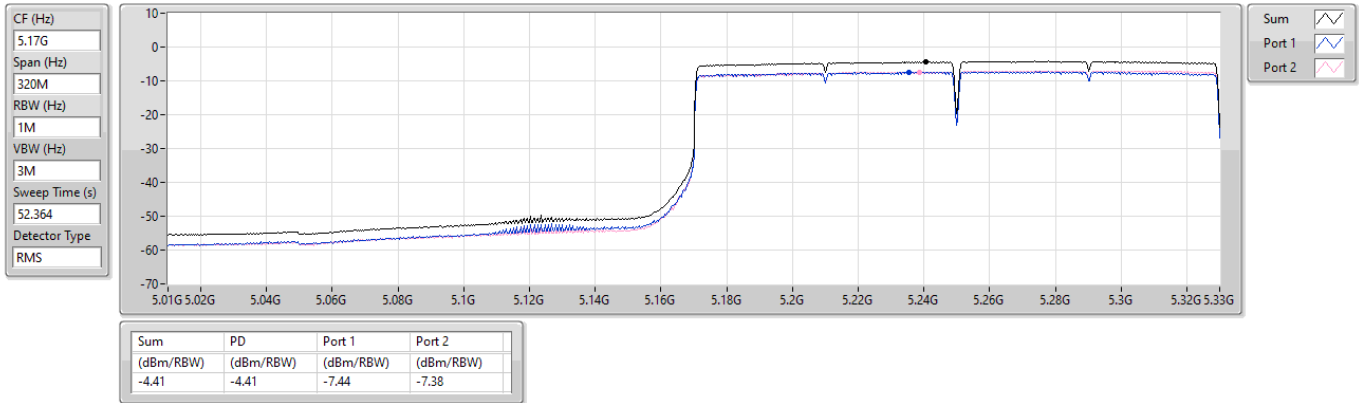
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

5.15-5.25GHz_802.11be EHT160_Nss1,(MCS0)_2TX

PSD

5250MHz Straddle 5.15-5.25GHz

28/05/2024

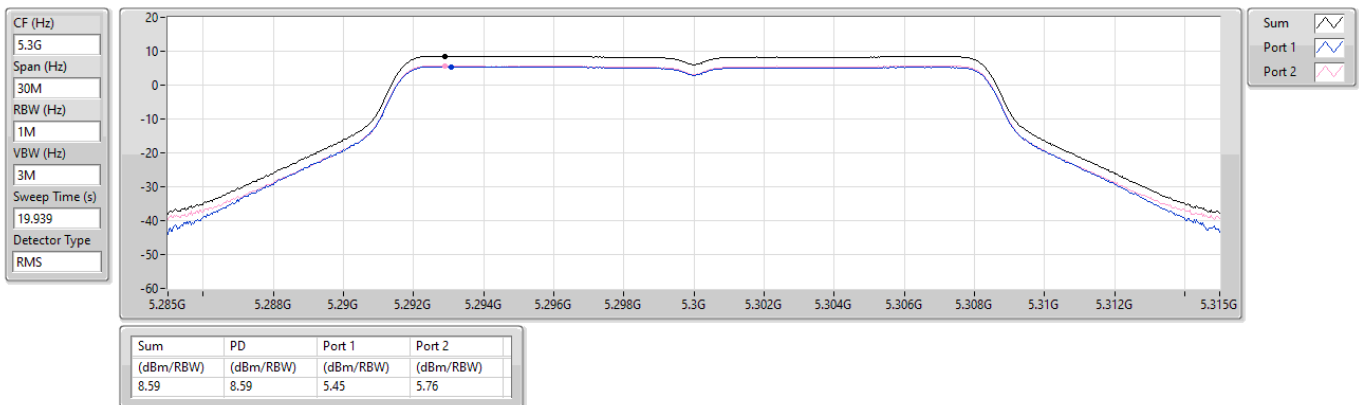


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5300MHz

28/05/2024



5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

5260MHz

28/05/2024

CF (Hz)
5.26G

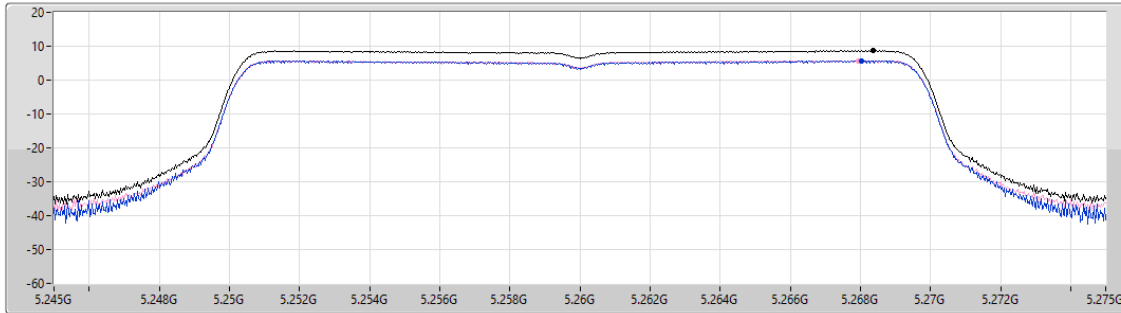
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
52.106

Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.68	8.68	5.61	5.78

Sum ☒

Port 1 ☒

Port 2 ☒

5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_2TX

PSD

5270MHz

28/05/2024

CF (Hz)
5.27G

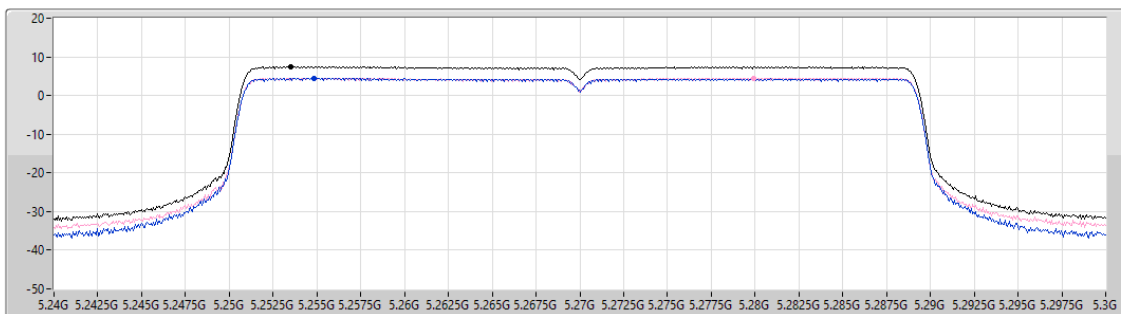
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
53.851

Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.40	7.40	4.39	4.46

Sum ☒

Port 1 ☒

Port 2 ☒

5.25-5.35GHz_802.11be EHT80_Nss1,(MCS0)_2TX

PSD

5290MHz

28/05/2024

CF (Hz)
5.29G

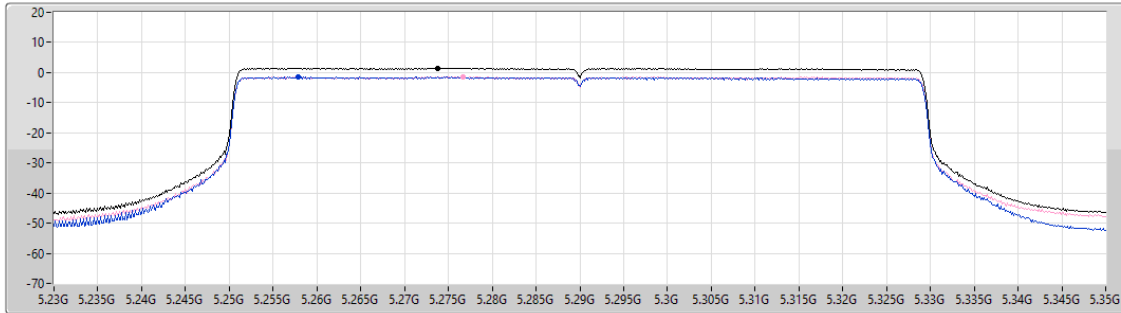
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
54.647

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.46	1.46	-1.57	-1.50

5.25-5.35GHz_802.11be EHT160_Nss1,(MCS0)_2TX

PSD

5250MHz Straddle 5.25-5.35GHz

28/05/2024

CF (Hz)
5.33G

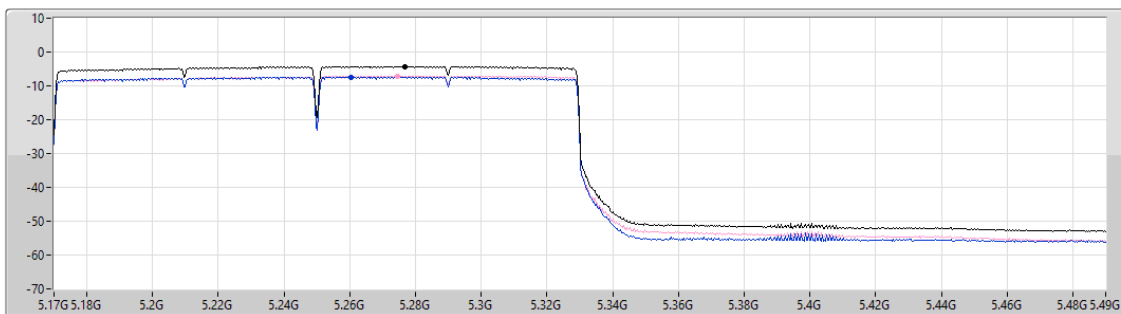
Span (Hz)
320M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
52.364

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.23	-4.23	-7.37	-7.10

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5700MHz

28/05/2024

CF (Hz)
5.7G

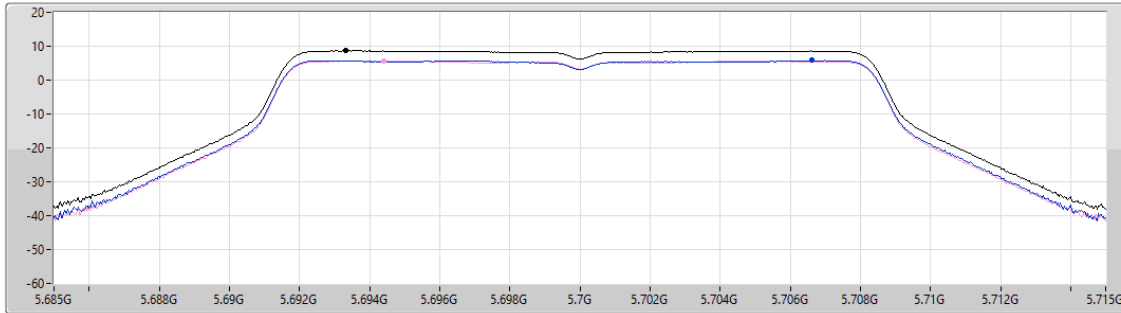
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
19.939

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.66	8.66	8.86	5.77

5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

5500MHz

28/05/2024

CF (Hz)
5.5G

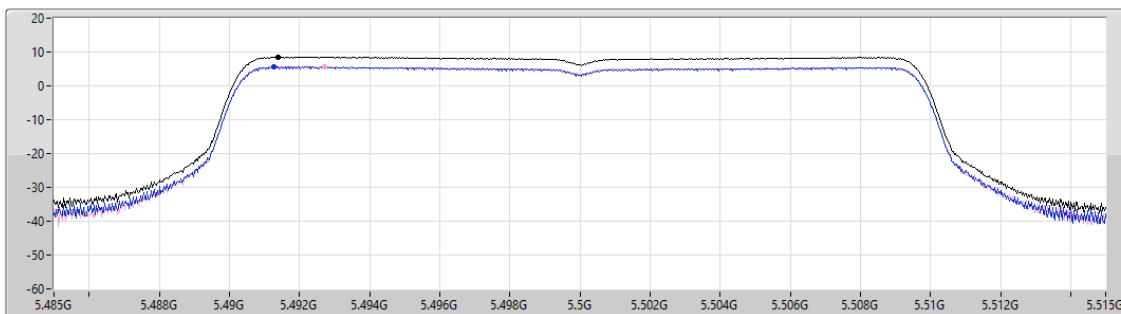
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
52.106

Detector Type
RMS



Sum 

Port 1 

Port 2 

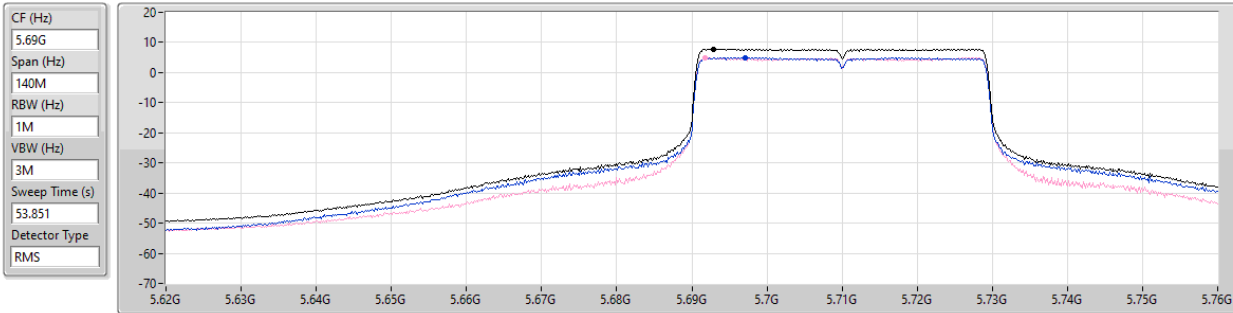
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.54	8.54	5.57	5.60

5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.47-5.725GHz

28/05/2024



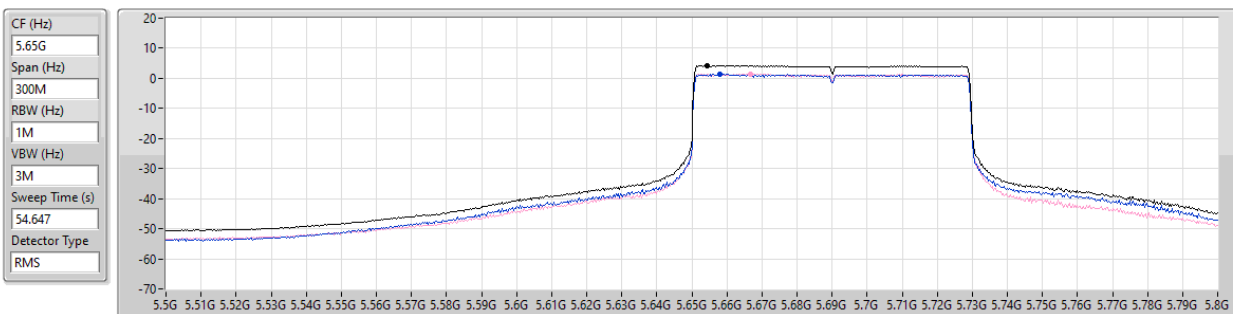
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.76	7.76	4.87	4.79

5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

28/05/2024



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.21	4.21	1.28	1.42

5.47-5.725GHz_802.11be EHT160_Nss1,(MCS0)_2TX

PSD

5570MHz

28/05/2024

CF (Hz)
5.57G

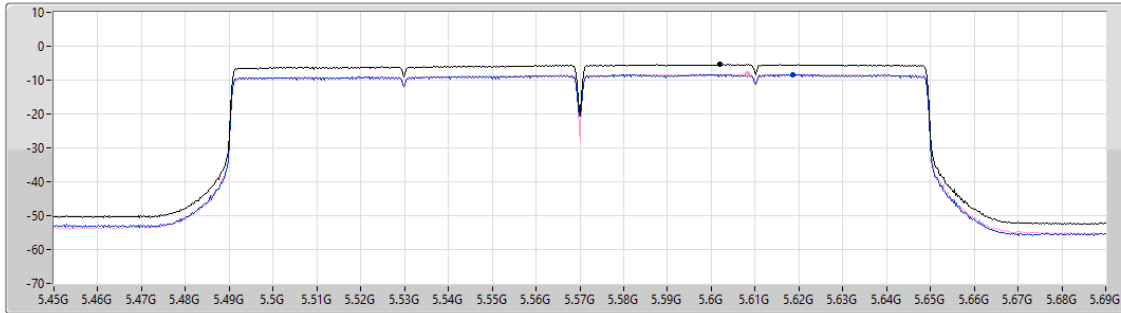
Span (Hz)
240M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
52.364

Detector Type
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-5.44	-5.44	-8.36	-8.20

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

28/05/2024

CF (Hz)
5.735G

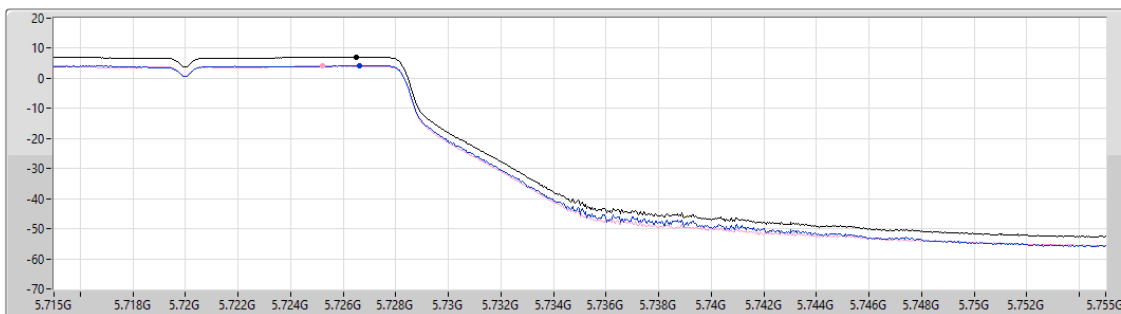
Span (Hz)
40M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
19.939

Detector Type
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

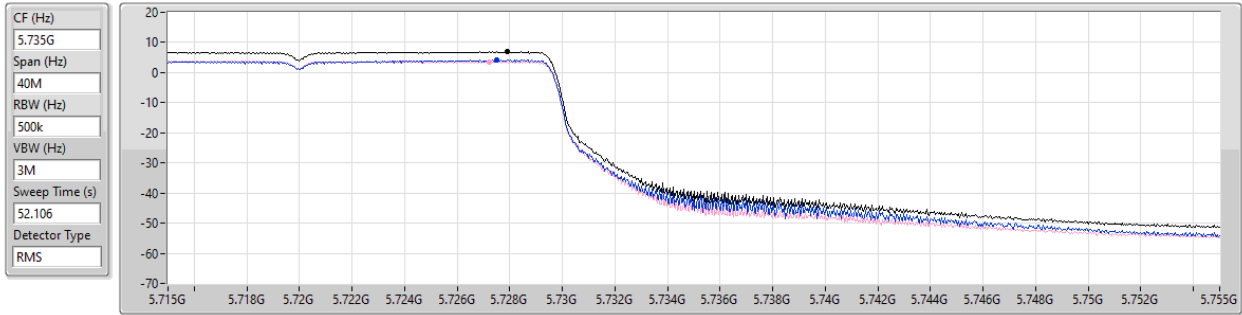
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.14	7.14	4.34	4.19

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

28/05/2024



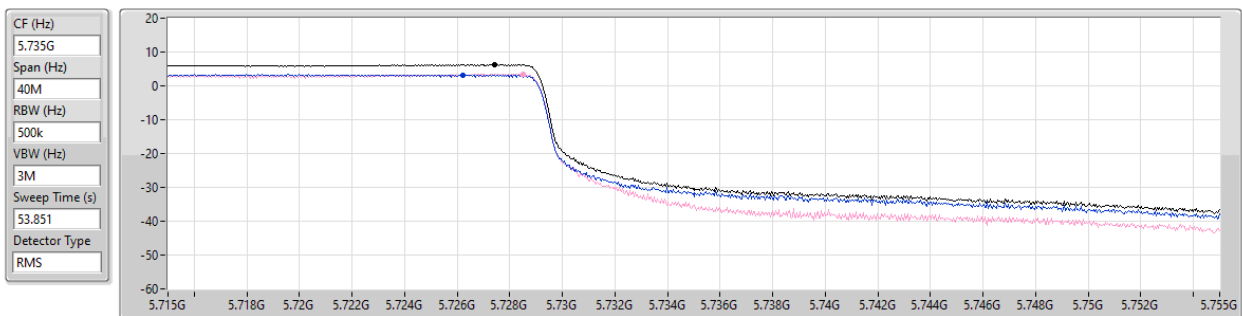
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.87	6.87	4.11	3.63

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.725-5.85GHz

28/05/2024



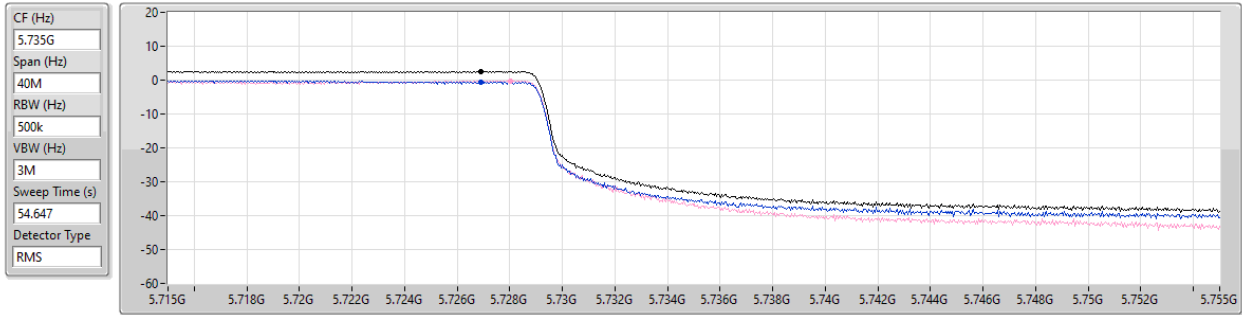
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.26	6.26	3.17	3.49

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.725-5.85GHz

28/05/2024



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.53	2.53	-0.57	-0.28

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	5.3528G	72.86	74.00	-1.14	3	Vertical	7	2.04
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	PK	5.3526G	73.49	74.00	-0.51	3	Vertical	5	2.19
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	AV	5.3516G	53.74	54.00	-0.26	3	Horizontal	328	2.11
802.11be EHT80_Nss1,(MCS0)_2TX	Pass	PK	5.368G	73.40	74.00	-0.60	3	Vertical	6	2.03
802.11be EHT160_Nss1,(MCS0)_2TX	Pass	AV	5.3976G	53.78	54.00	-0.22	3	Vertical	0	2.98
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	5.7252G	68.09	68.20	-0.11	3	Horizontal	300	1.00
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	PK	5.7272G	67.51	68.20	-0.69	3	Vertical	5	2.65
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	PK	5.468G	67.17	68.20	-1.03	3	Vertical	8	2.14
802.11be EHT80_Nss1,(MCS0)_2TX	Pass	PK	5.728G	68.09	68.20	-0.11	3	Horizontal	300	1.00
802.11be EHT160_Nss1,(MCS0)_2TX	Pass	PK	5.4644G	67.20	68.20	-1.00	3	Horizontal	300	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	AV	5.11G	44.21	54.00	-9.79	3	Vertical	5	2.02
5260MHz	Pass	AV	5.2528G	106.17	Inf	-Inf	3	Vertical	5	2.02
5260MHz	Pass	AV	5.4058G	44.66	54.00	-9.34	3	Vertical	5	2.02
5260MHz	Pass	PK	5.1136G	56.54	74.00	-17.46	3	Vertical	5	2.02
5260MHz	Pass	PK	5.2576G	115.86	Inf	-Inf	3	Vertical	5	2.02
5260MHz	Pass	PK	5.3878G	57.54	74.00	-16.46	3	Vertical	5	2.02
5260MHz	Pass	AV	5.1136G	43.89	54.00	-10.11	3	Horizontal	328	2.16
5260MHz	Pass	AV	5.2672G	103.95	Inf	-Inf	3	Horizontal	328	2.16
5260MHz	Pass	AV	5.4064G	44.05	54.00	-9.95	3	Horizontal	328	2.16
5260MHz	Pass	PK	5.113G	56.28	74.00	-17.72	3	Horizontal	328	2.16
5260MHz	Pass	PK	5.2576G	113.55	Inf	-Inf	3	Horizontal	328	2.16
5260MHz	Pass	PK	5.4082G	56.97	74.00	-17.03	3	Horizontal	328	2.16
5260MHz	Pass	AV	15.78612G	41.19	54.00	-12.81	3	Vertical	335	2.55
5260MHz	Pass	PK	10.51328G	51.24	68.20	-16.96	3	Vertical	13	1.00
5260MHz	Pass	PK	15.77826G	54.67	74.00	-19.33	3	Vertical	335	2.55
5260MHz	Pass	AV	15.78966G	40.99	54.00	-13.01	3	Horizontal	24	1.05
5260MHz	Pass	PK	10.51322G	50.41	68.20	-17.79	3	Horizontal	61	1.58
5260MHz	Pass	PK	15.77904G	53.55	74.00	-20.45	3	Horizontal	24	1.05
5300MHz	Pass	AV	5.2928G	105.97	Inf	-Inf	3	Vertical	4	2.00
5300MHz	Pass	AV	5.3516G	45.33	54.00	-8.67	3	Vertical	4	2.00
5300MHz	Pass	PK	5.2976G	115.47	Inf	-Inf	3	Vertical	4	2.00
5300MHz	Pass	PK	5.3524G	59.90	74.00	-14.10	3	Vertical	4	2.00
5300MHz	Pass	AV	5.2928G	103.97	Inf	-Inf	3	Horizontal	328	2.29
5300MHz	Pass	AV	5.3532G	44.31	54.00	-9.69	3	Horizontal	328	2.29
5300MHz	Pass	PK	5.2976G	113.52	Inf	-Inf	3	Horizontal	328	2.29
5300MHz	Pass	PK	5.3572G	58.42	74.00	-15.58	3	Horizontal	328	2.29
5300MHz	Pass	AV	10.60012G	40.16	54.00	-13.84	3	Vertical	9	1.00
5300MHz	Pass	AV	15.9147G	41.70	54.00	-12.30	3	Vertical	76	1.50
5300MHz	Pass	PK	10.60666G	51.62	74.00	-22.38	3	Vertical	9	1.00
5300MHz	Pass	PK	15.91026G	53.91	74.00	-20.09	3	Vertical	76	1.50
5300MHz	Pass	AV	15.89628G	41.94	54.00	-12.06	3	Horizontal	11	1.44
5300MHz	Pass	PK	10.60558G	51.68	74.00	-22.32	3	Horizontal	22	1.50
5300MHz	Pass	PK	15.89118G	55.40	74.00	-18.60	3	Horizontal	11	1.44
5320MHz	Pass	AV	5.313G	106.14	Inf	-Inf	3	Vertical	7	2.04
5320MHz	Pass	AV	5.3526G	51.02	54.00	-2.98	3	Vertical	7	2.04
5320MHz	Pass	PK	5.3236G	115.52	Inf	-Inf	3	Vertical	7	2.04
5320MHz	Pass	PK	5.3528G	72.86	74.00	-1.14	3	Vertical	7	2.04
5320MHz	Pass	AV	5.3274G	104.41	Inf	-Inf	3	Horizontal	325	2.43
5320MHz	Pass	AV	5.3516G	50.05	54.00	-3.95	3	Horizontal	325	2.43
5320MHz	Pass	PK	5.3176G	113.60	Inf	-Inf	3	Horizontal	325	2.43
5320MHz	Pass	PK	5.3524G	71.09	74.00	-2.91	3	Horizontal	325	2.43
5320MHz	Pass	AV	10.63994G	41.08	54.00	-12.92	3	Vertical	10	1.00
5320MHz	Pass	AV	15.95736G	41.55	54.00	-12.45	3	Vertical	336	1.50
5320MHz	Pass	PK	10.64192G	51.84	74.00	-22.16	3	Vertical	10	1.00
5320MHz	Pass	PK	15.94698G	53.32	74.00	-20.68	3	Vertical	336	1.50
5320MHz	Pass	AV	10.64012G	40.13	54.00	-13.87	3	Horizontal	21	1.50
5320MHz	Pass	AV	15.95556G	41.45	54.00	-12.55	3	Horizontal	93	2.08
5320MHz	Pass	PK	10.63508G	52.33	74.00	-21.67	3	Horizontal	21	1.50
5320MHz	Pass	PK	15.96204G	53.61	74.00	-20.39	3	Horizontal	93	2.08
5500MHz	Pass	AV	5.4576G	43.15	54.00	-10.85	3	Vertical	5	2.02
5500MHz	Pass	AV	5.5074G	103.75	Inf	-Inf	3	Vertical	5	2.02
5500MHz	Pass	PK	5.4526G	58.64	74.00	-15.36	3	Vertical	5	2.02
5500MHz	Pass	PK	5.4682G	65.54	68.20	-2.66	3	Vertical	5	2.02
5500MHz	Pass	PK	5.4976G	113.20	Inf	-Inf	3	Vertical	5	2.02
5500MHz	Pass	AV	5.4584G	43.09	54.00	-10.91	3	Horizontal	24	1.20
5500MHz	Pass	AV	5.4932G	101.48	Inf	-Inf	3	Horizontal	24	1.20
5500MHz	Pass	PK	5.456G	57.13	74.00	-16.87	3	Horizontal	24	1.20
5500MHz	Pass	PK	5.469G	64.31	68.20	-3.89	3	Horizontal	24	1.20
5500MHz	Pass	PK	5.4932G	111.58	Inf	-Inf	3	Horizontal	24	1.20
5500MHz	Pass	AV	11.00012G	39.79	54.00	-14.21	3	Vertical	28	1.44

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5500MHz	Pass	PK	10.9856G	51.69	74.00	-22.31	3	Vertical	28	1.44
5500MHz	Pass	PK	16.48716G	53.71	68.20	-14.49	3	Vertical	219	1.50
5500MHz	Pass	AV	11.0006G	39.78	54.00	-14.22	3	Horizontal	18	2.19
5500MHz	Pass	PK	10.99538G	51.26	74.00	-22.74	3	Horizontal	18	2.19
5500MHz	Pass	PK	16.50204G	54.17	68.20	-14.03	3	Horizontal	115	1.50
5580MHz	Pass	AV	5.4336G	45.98	54.00	-8.02	3	Vertical	360	2.07
5580MHz	Pass	AV	5.5764G	106.35	Inf	-Inf	3	Vertical	360	2.07
5580MHz	Pass	PK	5.4336G	57.88	74.00	-16.12	3	Vertical	360	2.07
5580MHz	Pass	PK	5.4636G	56.65	68.20	-11.55	3	Vertical	360	2.07
5580MHz	Pass	PK	5.5866G	116.06	Inf	-Inf	3	Vertical	360	2.07
5580MHz	Pass	PK	5.73G	57.74	68.20	-10.46	3	Vertical	360	2.07
5580MHz	Pass	AV	5.4336G	45.19	54.00	-8.81	3	Horizontal	20	1.26
5580MHz	Pass	AV	5.5824G	104.45	Inf	-Inf	3	Horizontal	20	1.26
5580MHz	Pass	PK	5.4336G	57.31	74.00	-16.69	3	Horizontal	20	1.26
5580MHz	Pass	PK	5.4612G	56.33	68.20	-11.87	3	Horizontal	20	1.26
5580MHz	Pass	PK	5.5776G	113.88	Inf	-Inf	3	Horizontal	20	1.26
5580MHz	Pass	PK	5.7294G	57.20	68.20	-11.00	3	Horizontal	20	1.26
5580MHz	Pass	AV	11.14524G	39.46	54.00	-14.54	3	Vertical	0	1.50
5580MHz	Pass	PK	11.1513G	52.12	74.00	-21.88	3	Vertical	0	1.50
5580MHz	Pass	PK	16.72542G	51.77	68.20	-16.43	3	Vertical	220	1.68
5580MHz	Pass	AV	11.16024G	39.99	54.00	-14.01	3	Horizontal	360	2.10
5580MHz	Pass	PK	11.15232G	53.55	74.00	-20.45	3	Horizontal	360	2.10
5580MHz	Pass	PK	16.74954G	52.61	68.20	-15.59	3	Horizontal	71	1.50
5700MHz	Pass	AV	5.696G	101.48	Inf	-Inf	3	Vertical	360	2.12
5700MHz	Pass	PK	5.6968G	111.34	Inf	-Inf	3	Vertical	360	2.12
5700MHz	Pass	PK	5.7268G	64.12	68.20	-4.08	3	Vertical	360	2.12
5700MHz	Pass	AV	5.694G	102.49	Inf	-Inf	3	Horizontal	300	1.00
5700MHz	Pass	PK	5.6944G	112.45	Inf	-Inf	3	Horizontal	300	1.00
5700MHz	Pass	PK	5.7252G	68.09	68.20	-0.11	3	Horizontal	300	1.00
5700MHz	Pass	AV	11.39544G	39.49	54.00	-14.51	3	Vertical	172	1.50
5700MHz	Pass	PK	11.41182G	51.89	74.00	-22.11	3	Vertical	172	1.50
5700MHz	Pass	PK	17.08668G	52.59	68.20	-15.61	3	Vertical	130	1.50
5700MHz	Pass	AV	11.41266G	39.65	54.00	-14.35	3	Horizontal	286	2.67
5700MHz	Pass	PK	11.40012G	50.86	74.00	-23.14	3	Horizontal	286	2.67
5700MHz	Pass	PK	17.1135G	51.95	68.20	-16.25	3	Horizontal	356	1.50
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.42G	47.78	54.00	-6.22	3	Vertical	360	2.04
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.726G	104.58	Inf	-Inf	3	Vertical	360	2.04
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.42G	58.79	74.00	-15.21	3	Vertical	360	2.04
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4632G	55.12	68.20	-13.08	3	Vertical	360	2.04
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7164G	113.78	Inf	-Inf	3	Vertical	360	2.04
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.888G	58.01	68.20	-10.19	3	Vertical	360	2.04
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.42G	44.74	54.00	-9.26	3	Horizontal	312	1.03
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7152G	105.77	Inf	-Inf	3	Horizontal	312	1.03
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.42G	56.72	74.00	-17.28	3	Horizontal	312	1.03
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4656G	55.13	68.20	-13.07	3	Horizontal	312	1.03
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7152G	115.08	Inf	-Inf	3	Horizontal	312	1.03
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.9312G	58.25	68.20	-9.95	3	Horizontal	312	1.03
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.42818G	39.23	54.00	-14.77	3	Vertical	3	2.07
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.43478G	51.74	74.00	-22.26	3	Vertical	3	2.07
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.14632G	52.53	68.20	-15.67	3	Vertical	335	2.01
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.42512G	39.30	54.00	-14.70	3	Horizontal	57	1.26
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.42668G	51.52	74.00	-22.48	3	Horizontal	57	1.26
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.1645G	52.04	68.20	-16.16	3	Horizontal	18	1.50
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	AV	5.1208G	48.19	54.00	-5.81	3	Vertical	6	2.02
5260MHz	Pass	AV	5.2528G	105.44	Inf	-Inf	3	Vertical	6	2.02
5260MHz	Pass	AV	5.407G	49.25	54.00	-4.75	3	Vertical	6	2.02
5260MHz	Pass	PK	5.1454G	61.20	74.00	-12.80	3	Vertical	6	2.02
5260MHz	Pass	PK	5.2534G	117.86	Inf	-Inf	3	Vertical	6	2.02
5260MHz	Pass	PK	5.3788G	62.58	74.00	-11.42	3	Vertical	6	2.02
5260MHz	Pass	AV	5.1496G	48.21	54.00	-5.79	3	Horizontal	327	2.32
5260MHz	Pass	AV	5.251G	104.35	Inf	-Inf	3	Horizontal	327	2.32

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5260MHz	Pass	AV	5.3722G	49.09	54.00	-4.91	3	Horizontal	327	2.32
5260MHz	Pass	PK	5.113G	61.22	74.00	-12.78	3	Horizontal	327	2.32
5260MHz	Pass	PK	5.2534G	117.02	Inf	-Inf	3	Horizontal	327	2.32
5260MHz	Pass	PK	5.3566G	62.35	74.00	-11.65	3	Horizontal	327	2.32
5260MHz	Pass	AV	15.78462G	41.22	54.00	-12.78	3	Vertical	338	1.47
5260MHz	Pass	PK	10.5231G	51.34	68.20	-16.86	3	Vertical	9	2.69
5260MHz	Pass	PK	15.784G	53.89	74.00	-20.11	3	Vertical	338	1.47
5260MHz	Pass	AV	15.78464G	41.45	54.00	-12.55	3	Horizontal	4	2.27
5260MHz	Pass	PK	10.5228G	51.07	68.20	-17.13	3	Horizontal	360	1.50
5260MHz	Pass	PK	15.77918G	54.10	74.00	-19.90	3	Horizontal	4	2.27
5300MHz	Pass	AV	5.3088G	104.99	Inf	-Inf	3	Vertical	3	2.01
5300MHz	Pass	AV	5.35G	49.38	54.00	-4.62	3	Vertical	3	2.01
5300MHz	Pass	PK	5.3072G	117.39	Inf	-Inf	3	Vertical	3	2.01
5300MHz	Pass	PK	5.3504G	68.06	74.00	-5.94	3	Vertical	3	2.01
5300MHz	Pass	AV	5.2912G	103.86	Inf	-Inf	3	Horizontal	328	2.32
5300MHz	Pass	AV	5.3524G	49.02	54.00	-4.98	3	Horizontal	328	2.32
5300MHz	Pass	PK	5.292G	116.44	Inf	-Inf	3	Horizontal	328	2.32
5300MHz	Pass	PK	5.3504G	66.50	74.00	-7.50	3	Horizontal	328	2.32
5300MHz	Pass	AV	10.60002G	40.02	54.00	-13.98	3	Vertical	16	2.15
5300MHz	Pass	AV	15.89554G	41.92	54.00	-12.08	3	Vertical	342	2.47
5300MHz	Pass	PK	10.5969G	51.96	68.20	-16.24	3	Vertical	16	2.15
5300MHz	Pass	PK	15.89506G	55.05	74.00	-18.95	3	Vertical	342	2.47
5300MHz	Pass	AV	15.90118G	41.71	54.00	-12.29	3	Horizontal	211	1.50
5300MHz	Pass	PK	10.59828G	51.36	68.20	-16.84	3	Horizontal	47	1.50
5300MHz	Pass	PK	15.89858G	54.68	74.00	-19.32	3	Horizontal	211	1.50
5320MHz	Pass	AV	5.3116G	104.52	Inf	-Inf	3	Vertical	5	2.19
5320MHz	Pass	AV	5.35G	51.40	54.00	-2.60	3	Vertical	5	2.19
5320MHz	Pass	PK	5.3116G	117.17	Inf	-Inf	3	Vertical	5	2.19
5320MHz	Pass	PK	5.3526G	73.49	74.00	-0.51	3	Vertical	5	2.19
5320MHz	Pass	AV	5.3114G	102.93	Inf	-Inf	3	Horizontal	328	2.15
5320MHz	Pass	AV	5.3504G	50.73	54.00	-3.27	3	Horizontal	328	2.15
5320MHz	Pass	PK	5.3112G	115.39	Inf	-Inf	3	Horizontal	328	2.15
5320MHz	Pass	PK	5.3528G	71.64	74.00	-2.36	3	Horizontal	328	2.15
5320MHz	Pass	AV	10.64004G	40.41	54.00	-13.59	3	Vertical	345	2.31
5320MHz	Pass	AV	15.95922G	41.29	54.00	-12.71	3	Vertical	144	1.50
5320MHz	Pass	PK	10.64G	52.07	74.00	-21.93	3	Vertical	345	2.31
5320MHz	Pass	PK	15.95932G	53.72	74.00	-20.28	3	Vertical	144	1.50
5320MHz	Pass	AV	10.64004G	40.12	54.00	-13.88	3	Horizontal	344	1.35
5320MHz	Pass	AV	15.96052G	41.41	54.00	-12.59	3	Horizontal	344	1.50
5320MHz	Pass	PK	10.64132G	51.87	74.00	-22.13	3	Horizontal	344	1.35
5320MHz	Pass	PK	15.95602G	53.79	74.00	-20.21	3	Horizontal	344	1.50
5500MHz	Pass	AV	5.4584G	48.49	54.00	-5.51	3	Vertical	6	2.04
5500MHz	Pass	AV	5.4912G	102.22	Inf	-Inf	3	Vertical	6	2.04
5500MHz	Pass	PK	5.4572G	64.65	74.00	-9.35	3	Vertical	6	2.04
5500MHz	Pass	PK	5.4692G	67.29	68.20	-0.91	3	Vertical	6	2.04
5500MHz	Pass	PK	5.4914G	115.00	Inf	-Inf	3	Vertical	6	2.04
5500MHz	Pass	AV	5.454G	48.64	54.00	-5.36	3	Horizontal	21	1.02
5500MHz	Pass	AV	5.4912G	100.34	Inf	-Inf	3	Horizontal	21	1.02
5500MHz	Pass	PK	5.4578G	65.09	74.00	-8.91	3	Horizontal	21	1.02
5500MHz	Pass	PK	5.4698G	65.44	68.20	-2.76	3	Horizontal	21	1.02
5500MHz	Pass	PK	5.4908G	113.23	Inf	-Inf	3	Horizontal	21	1.02
5500MHz	Pass	AV	10.9996G	40.00	54.00	-14.00	3	Vertical	314	1.50
5500MHz	Pass	PK	11.00322G	51.75	74.00	-22.25	3	Vertical	314	1.50
5500MHz	Pass	PK	16.49716G	52.87	68.20	-15.33	3	Vertical	0	2.66
5500MHz	Pass	AV	10.99978G	39.96	54.00	-14.04	3	Horizontal	360	2.94
5500MHz	Pass	PK	11.00058G	52.14	74.00	-21.86	3	Horizontal	360	2.94
5500MHz	Pass	PK	16.49756G	53.27	68.20	-14.93	3	Horizontal	298	1.50
5580MHz	Pass	AV	5.4348G	48.89	54.00	-5.11	3	Vertical	8	2.49
5580MHz	Pass	AV	5.589G	106.66	Inf	-Inf	3	Vertical	8	2.49
5580MHz	Pass	PK	5.4408G	61.06	74.00	-12.94	3	Vertical	8	2.49
5580MHz	Pass	PK	5.4684G	60.90	68.20	-7.30	3	Vertical	8	2.49
5580MHz	Pass	PK	5.5878G	119.44	Inf	-Inf	3	Vertical	8	2.49

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5580MHz	Pass	PK	5.7294G	61.49	68.20	-6.71	3	Vertical	8	2.49
5580MHz	Pass	AV	5.43G	48.79	54.00	-5.21	3	Horizontal	298	1.00
5580MHz	Pass	AV	5.5758G	106.10	Inf	-Inf	3	Horizontal	298	1.00
5580MHz	Pass	PK	5.4576G	61.21	74.00	-12.79	3	Horizontal	298	1.00
5580MHz	Pass	PK	5.4606G	61.20	68.20	-7.00	3	Horizontal	298	1.00
5580MHz	Pass	PK	5.5746G	119.11	Inf	-Inf	3	Horizontal	298	1.00
5580MHz	Pass	PK	5.7294G	61.99	68.20	-6.21	3	Horizontal	298	1.00
5580MHz	Pass	AV	11.15994G	39.77	54.00	-14.23	3	Vertical	27	2.86
5580MHz	Pass	PK	11.15996G	52.22	74.00	-21.78	3	Vertical	27	2.86
5580MHz	Pass	PK	16.73874G	52.46	68.20	-15.74	3	Vertical	0	1.50
5580MHz	Pass	AV	11.15928G	39.67	54.00	-14.33	3	Horizontal	360	1.90
5580MHz	Pass	PK	11.15864G	52.64	74.00	-21.36	3	Horizontal	360	1.90
5580MHz	Pass	PK	16.73828G	52.18	68.20	-16.02	3	Horizontal	360	1.50
5700MHz	Pass	AV	5.7068G	95.91	Inf	-Inf	3	Vertical	5	2.65
5700MHz	Pass	PK	5.7068G	109.03	Inf	-Inf	3	Vertical	5	2.65
5700MHz	Pass	PK	5.7272G	67.51	68.20	-0.69	3	Vertical	5	2.65
5700MHz	Pass	AV	5.6964G	96.39	Inf	-Inf	3	Horizontal	302	1.00
5700MHz	Pass	PK	5.6964G	109.92	Inf	-Inf	3	Horizontal	302	1.00
5700MHz	Pass	PK	5.7252G	66.94	68.20	-1.26	3	Horizontal	302	1.00
5700MHz	Pass	AV	11.39998G	40.22	54.00	-13.78	3	Vertical	11	1.50
5700MHz	Pass	PK	11.3975G	52.09	74.00	-21.91	3	Vertical	11	1.50
5700MHz	Pass	PK	17.0995G	52.39	68.20	-15.81	3	Vertical	331	2.89
5700MHz	Pass	AV	11.39794G	39.43	54.00	-14.57	3	Horizontal	110	1.50
5700MHz	Pass	PK	11.39508G	51.50	74.00	-22.50	3	Horizontal	110	1.50
5700MHz	Pass	PK	17.10038G	52.09	68.20	-16.11	3	Horizontal	92	1.23
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.42G	50.06	54.00	-3.94	3	Vertical	6	2.50
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7284G	104.92	Inf	-Inf	3	Vertical	6	2.50
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4476G	62.25	74.00	-11.75	3	Vertical	6	2.50
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4632G	61.96	68.20	-6.24	3	Vertical	6	2.50
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7236G	117.11	Inf	-Inf	3	Vertical	6	2.50
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.8784G	63.96	68.20	-4.24	3	Vertical	6	2.50
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4344G	48.32	54.00	-5.68	3	Horizontal	298	1.03
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7128G	105.68	Inf	-Inf	3	Horizontal	298	1.03
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4536G	60.99	74.00	-13.01	3	Horizontal	298	1.03
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4644G	61.17	68.20	-7.03	3	Horizontal	298	1.03
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.714G	117.79	Inf	-Inf	3	Horizontal	298	1.03
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.9384G	63.50	68.20	-4.70	3	Horizontal	298	1.03
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43984G	39.40	54.00	-14.60	3	Vertical	3	1.50
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.44456G	51.93	74.00	-22.07	3	Vertical	3	1.50
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.15988G	52.09	68.20	-16.11	3	Vertical	59	1.50
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43996G	39.18	54.00	-14.82	3	Horizontal	360	1.95
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.43876G	52.16	74.00	-21.84	3	Horizontal	360	1.95
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.16424G	52.84	68.20	-15.36	3	Horizontal	0	1.50
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	AV	5.2836G	103.25	Inf	-Inf	3	Vertical	9	2.17
5270MHz	Pass	AV	5.3616G	51.52	54.00	-2.48	3	Vertical	9	2.17
5270MHz	Pass	PK	5.2624G	114.84	Inf	-Inf	3	Vertical	9	2.17
5270MHz	Pass	PK	5.3528G	69.03	74.00	-4.97	3	Vertical	9	2.17
5270MHz	Pass	AV	5.2828G	100.30	Inf	-Inf	3	Horizontal	328	1.17
5270MHz	Pass	AV	5.36G	50.52	54.00	-3.48	3	Horizontal	328	1.17
5270MHz	Pass	PK	5.2828G	112.50	Inf	-Inf	3	Horizontal	328	1.17
5270MHz	Pass	PK	5.3528G	66.44	74.00	-7.56	3	Horizontal	328	1.17
5270MHz	Pass	AV	15.81184G	41.83	54.00	-12.17	3	Vertical	75	2.48
5270MHz	Pass	PK	10.5368G	50.89	68.20	-17.31	3	Vertical	11	2.65
5270MHz	Pass	PK	15.8066G	53.40	74.00	-20.60	3	Vertical	75	2.48
5270MHz	Pass	AV	15.80124G	42.17	54.00	-11.83	3	Horizontal	16	2.52
5270MHz	Pass	PK	10.5424G	50.66	68.20	-17.54	3	Horizontal	360	1.50
5270MHz	Pass	PK	15.80772G	53.91	74.00	-20.09	3	Horizontal	16	2.52
5310MHz	Pass	AV	5.3196G	99.48	Inf	-Inf	3	Vertical	5	2.02
5310MHz	Pass	AV	5.3568G	53.08	54.00	-0.92	3	Vertical	5	2.02
5310MHz	Pass	PK	5.3008G	111.86	Inf	-Inf	3	Vertical	5	2.02
5310MHz	Pass	PK	5.3524G	73.59	74.00	-0.41	3	Vertical	5	2.02



RSE TX above 1GHz Non-Beamforming Radio 2

Appendix D

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5310MHz	Pass	AV	5.3208G	98.52	Inf	-Inf	3	Horizontal	328	2.11
5310MHz	Pass	AV	5.3516G	53.74	54.00	-0.26	3	Horizontal	328	2.11
5310MHz	Pass	PK	5.3204G	110.91	Inf	-Inf	3	Horizontal	328	2.11
5310MHz	Pass	PK	5.352G	72.53	74.00	-1.47	3	Horizontal	328	2.11
5310MHz	Pass	AV	10.61992G	40.42	54.00	-13.58	3	Vertical	360	1.30
5310MHz	Pass	AV	15.92048G	42.48	54.00	-11.52	3	Vertical	0	1.50
5310MHz	Pass	PK	10.62376G	51.62	74.00	-22.38	3	Vertical	360	1.30
5310MHz	Pass	PK	15.9272G	54.91	74.00	-19.09	3	Vertical	0	1.50
5310MHz	Pass	AV	10.61984G	40.42	54.00	-13.58	3	Horizontal	21	1.50
5310MHz	Pass	AV	15.92376G	42.50	54.00	-11.50	3	Horizontal	298	2.06
5310MHz	Pass	PK	10.61052G	51.34	74.00	-22.66	3	Horizontal	21	1.50
5310MHz	Pass	PK	15.93332G	53.81	74.00	-20.19	3	Horizontal	298	2.06
5510MHz	Pass	AV	5.4408G	49.13	54.00	-4.87	3	Vertical	8	2.14
5510MHz	Pass	AV	5.5212G	95.28	Inf	-Inf	3	Vertical	8	2.14
5510MHz	Pass	PK	5.458G	64.58	74.00	-9.42	3	Vertical	8	2.14
5510MHz	Pass	PK	5.468G	67.17	68.20	-1.03	3	Vertical	8	2.14
5510MHz	Pass	PK	5.5016G	107.58	Inf	-Inf	3	Vertical	8	2.14
5510MHz	Pass	AV	5.4168G	49.14	54.00	-4.86	3	Horizontal	29	2.16
5510MHz	Pass	AV	5.5248G	94.31	Inf	-Inf	3	Horizontal	29	2.16
5510MHz	Pass	PK	5.4588G	63.18	74.00	-10.82	3	Horizontal	29	2.16
5510MHz	Pass	PK	5.4696G	66.29	68.20	-1.91	3	Horizontal	29	2.16
5510MHz	Pass	PK	5.526G	106.92	Inf	-Inf	3	Horizontal	29	2.16
5510MHz	Pass	AV	11.01996G	40.08	54.00	-13.92	3	Vertical	5	2.67
5510MHz	Pass	PK	11.026G	51.17	74.00	-22.83	3	Vertical	5	2.67
5510MHz	Pass	PK	16.52448G	53.19	68.20	-15.01	3	Vertical	0	1.24
5510MHz	Pass	AV	11.01244G	40.29	54.00	-13.71	3	Horizontal	356	2.00
5510MHz	Pass	PK	11.01736G	51.35	74.00	-22.65	3	Horizontal	356	2.00
5510MHz	Pass	PK	16.5202G	52.93	68.20	-15.27	3	Horizontal	360	2.27
5550MHz	Pass	AV	5.4576G	45.89	54.00	-8.11	3	Vertical	360	2.14
5550MHz	Pass	AV	5.5572G	102.77	Inf	-Inf	3	Vertical	360	2.14
5550MHz	Pass	PK	5.4564G	63.85	74.00	-10.15	3	Vertical	360	2.14
5550MHz	Pass	PK	5.466G	63.15	68.20	-5.05	3	Vertical	360	2.14
5550MHz	Pass	PK	5.5372G	114.88	Inf	-Inf	3	Vertical	360	2.14
5550MHz	Pass	AV	5.4512G	49.77	54.00	-4.23	3	Horizontal	299	1.00
5550MHz	Pass	AV	5.5668G	102.94	Inf	-Inf	3	Horizontal	299	1.00
5550MHz	Pass	PK	5.4532G	63.97	74.00	-10.03	3	Horizontal	299	1.00
5550MHz	Pass	PK	5.4684G	67.12	68.20	-1.08	3	Horizontal	299	1.00
5550MHz	Pass	PK	5.5672G	115.79	Inf	-Inf	3	Horizontal	299	1.00
5550MHz	Pass	AV	11.09984G	40.85	54.00	-13.15	3	Vertical	22	2.70
5550MHz	Pass	PK	11.0942G	50.94	74.00	-23.06	3	Vertical	22	2.70
5550MHz	Pass	PK	16.65752G	52.81	68.20	-15.39	3	Vertical	38	1.00
5550MHz	Pass	AV	11.1002G	40.24	54.00	-13.76	3	Horizontal	0	2.14
5550MHz	Pass	PK	11.10836G	51.60	74.00	-22.40	3	Horizontal	0	2.14
5550MHz	Pass	PK	16.64692G	52.83	68.20	-15.37	3	Horizontal	318	2.03
5670MHz	Pass	AV	5.6556G	98.34	Inf	-Inf	3	Vertical	2	2.56
5670MHz	Pass	PK	5.6742G	110.91	Inf	-Inf	3	Vertical	2	2.56
5670MHz	Pass	PK	5.7276G	60.51	68.20	-7.69	3	Vertical	2	2.56
5670MHz	Pass	AV	5.6844G	99.28	Inf	-Inf	3	Horizontal	300	1.00
5670MHz	Pass	PK	5.6664G	112.21	Inf	-Inf	3	Horizontal	300	1.00
5670MHz	Pass	PK	5.7282G	65.35	68.20	-2.85	3	Horizontal	300	1.00
5670MHz	Pass	AV	11.33996G	40.90	54.00	-13.10	3	Vertical	12	1.50
5670MHz	Pass	PK	11.34068G	52.25	74.00	-21.75	3	Vertical	12	1.50
5670MHz	Pass	PK	17.00968G	53.34	68.20	-14.86	3	Vertical	302	1.50
5670MHz	Pass	AV	11.34068G	40.39	54.00	-13.61	3	Horizontal	275	1.50
5670MHz	Pass	PK	11.34852G	52.24	74.00	-21.76	3	Horizontal	275	1.50
5670MHz	Pass	PK	17.01356G	54.07	68.20	-14.13	3	Horizontal	185	1.08
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.4124G	50.43	54.00	-3.57	3	Vertical	6	2.51
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.6968G	103.33	Inf	-Inf	3	Vertical	6	2.51
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.4124G	61.82	74.00	-12.18	3	Vertical	6	2.51
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.4628G	60.40	68.20	-7.80	3	Vertical	6	2.51
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.698G	116.25	Inf	-Inf	3	Vertical	6	2.51
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.9248G	64.65	68.20	-3.55	3	Vertical	6	2.51

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.4208G	49.97	54.00	-4.03	3	Horizontal	304	1.00
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.7076G	103.15	Inf	-Inf	3	Horizontal	304	1.00
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.4268G	61.39	74.00	-12.61	3	Horizontal	304	1.00
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.4676G	60.46	68.20	-7.74	3	Horizontal	304	1.00
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.704G	115.18	Inf	-Inf	3	Horizontal	304	1.00
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.9752G	63.84	68.20	-4.36	3	Horizontal	304	1.00
5710MHz Straddle 5.47-5.725GHz	Pass	AV	11.42016G	40.56	54.00	-13.44	3	Vertical	12	1.50
5710MHz Straddle 5.47-5.725GHz	Pass	PK	11.41884G	52.28	74.00	-21.72	3	Vertical	12	1.50
5710MHz Straddle 5.47-5.725GHz	Pass	PK	17.13952G	52.59	68.20	-15.61	3	Vertical	49	2.11
5710MHz Straddle 5.47-5.725GHz	Pass	AV	11.41984G	40.32	54.00	-13.68	3	Horizontal	0	1.50
5710MHz Straddle 5.47-5.725GHz	Pass	PK	11.41184G	51.47	74.00	-22.53	3	Horizontal	0	1.50
5710MHz Straddle 5.47-5.725GHz	Pass	PK	17.12712G	52.57	68.20	-15.63	3	Horizontal	269	1.50
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	AV	5.145G	49.59	54.00	-4.41	3	Vertical	6	2.03
5290MHz	Pass	AV	5.262G	94.46	Inf	-Inf	3	Vertical	6	2.03
5290MHz	Pass	AV	5.364G	51.45	54.00	-2.55	3	Vertical	6	2.03
5290MHz	Pass	PK	5.123G	61.42	74.00	-12.58	3	Vertical	6	2.03
5290MHz	Pass	PK	5.262G	106.84	Inf	-Inf	3	Vertical	6	2.03
5290MHz	Pass	PK	5.368G	73.40	74.00	-0.60	3	Vertical	6	2.03
5290MHz	Pass	PK	5.465G	63.28	68.20	-4.92	3	Vertical	6	2.03
5290MHz	Pass	AV	5.138G	49.60	54.00	-4.40	3	Horizontal	326	2.11
5290MHz	Pass	AV	5.321G	93.74	Inf	-Inf	3	Horizontal	326	2.11
5290MHz	Pass	AV	5.357G	51.20	54.00	-2.80	3	Horizontal	326	2.11
5290MHz	Pass	PK	5.04G	61.62	74.00	-12.38	3	Horizontal	326	2.11
5290MHz	Pass	PK	5.281G	105.59	Inf	-Inf	3	Horizontal	326	2.11
5290MHz	Pass	PK	5.372G	72.28	74.00	-1.72	3	Horizontal	326	2.11
5290MHz	Pass	PK	5.463G	63.33	68.20	-4.87	3	Horizontal	326	2.11
5290MHz	Pass	AV	15.87784G	42.67	54.00	-11.33	3	Vertical	304	1.50
5290MHz	Pass	PK	10.58768G	51.44	68.20	-16.76	3	Vertical	8	2.64
5290MHz	Pass	PK	15.85008G	54.34	74.00	-19.66	3	Vertical	304	1.50
5290MHz	Pass	AV	15.884G	42.50	54.00	-11.50	3	Horizontal	259	1.50
5290MHz	Pass	PK	10.57408G	51.70	68.20	-16.50	3	Horizontal	193	1.44
5290MHz	Pass	PK	15.88312G	54.19	74.00	-19.81	3	Horizontal	259	1.50
5530MHz	Pass	AV	5.35G	48.46	54.00	-5.54	3	Vertical	5	2.00
5530MHz	Pass	AV	5.432G	50.13	54.00	-3.87	3	Vertical	5	2.00
5530MHz	Pass	AV	5.52G	93.47	Inf	-Inf	3	Vertical	5	2.00
5530MHz	Pass	PK	5.321G	61.09	68.20	-7.11	3	Vertical	5	2.00
5530MHz	Pass	PK	5.437G	66.50	74.00	-7.50	3	Vertical	5	2.00
5530MHz	Pass	PK	5.467G	67.49	68.20	-0.71	3	Vertical	5	2.00
5530MHz	Pass	PK	5.501G	105.66	Inf	-Inf	3	Vertical	5	2.00
5530MHz	Pass	PK	5.757G	63.14	68.20	-5.06	3	Vertical	5	2.00
5530MHz	Pass	AV	5.35G	48.63	54.00	-5.37	3	Horizontal	302	1.00
5530MHz	Pass	AV	5.453G	49.76	54.00	-4.24	3	Horizontal	302	1.00
5530MHz	Pass	AV	5.548G	93.04	Inf	-Inf	3	Horizontal	302	1.00
5530MHz	Pass	PK	5.303G	61.36	68.20	-6.84	3	Horizontal	302	1.00
5530MHz	Pass	PK	5.43G	65.87	74.00	-8.13	3	Horizontal	302	1.00
5530MHz	Pass	PK	5.468G	67.69	68.20	-0.51	3	Horizontal	302	1.00
5530MHz	Pass	PK	5.549G	104.77	Inf	-Inf	3	Horizontal	302	1.00
5530MHz	Pass	PK	5.767G	62.40	68.20	-5.80	3	Horizontal	302	1.00
5530MHz	Pass	AV	11.06008G	39.96	54.00	-14.04	3	Vertical	27	1.50
5530MHz	Pass	PK	11.06G	51.56	74.00	-22.44	3	Vertical	27	1.50
5530MHz	Pass	PK	16.60704G	53.66	68.20	-14.54	3	Vertical	222	1.50
5530MHz	Pass	AV	11.06248G	39.75	54.00	-14.25	3	Horizontal	67	1.50
5530MHz	Pass	PK	11.07088G	51.02	74.00	-22.98	3	Horizontal	67	1.50
5530MHz	Pass	PK	16.57424G	53.17	68.20	-15.03	3	Horizontal	250	1.50
5610MHz	Pass	AV	5.457G	44.96	54.00	-9.04	3	Vertical	2	2.10
5610MHz	Pass	AV	5.577G	98.43	Inf	-Inf	3	Vertical	2	2.10
5610MHz	Pass	PK	5.452G	62.57	74.00	-11.43	3	Vertical	2	2.10
5610MHz	Pass	PK	5.466G	61.39	68.20	-6.81	3	Vertical	2	2.10
5610MHz	Pass	PK	5.616G	111.04	Inf	-Inf	3	Vertical	2	2.10
5610MHz	Pass	PK	5.746G	64.03	68.20	-4.17	3	Vertical	2	2.10
5610MHz	Pass	AV	5.459G	49.68	54.00	-4.32	3	Horizontal	300	1.00

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5610MHz	Pass	AV	5.626G	98.48	Inf	-Inf	3	Horizontal	300	1.00
5610MHz	Pass	PK	5.445G	63.97	74.00	-10.03	3	Horizontal	300	1.00
5610MHz	Pass	PK	5.463G	62.91	68.20	-5.29	3	Horizontal	300	1.00
5610MHz	Pass	PK	5.624G	110.52	Inf	-Inf	3	Horizontal	300	1.00
5610MHz	Pass	PK	5.728G	68.09	68.20	-0.11	3	Horizontal	300	1.00
5610MHz	Pass	AV	11.23176G	40.68	54.00	-13.32	3	Vertical	344	1.91
5610MHz	Pass	PK	11.20768G	52.24	74.00	-21.76	3	Vertical	344	1.91
5610MHz	Pass	PK	16.82496G	52.78	68.20	-15.42	3	Vertical	193	1.50
5610MHz	Pass	AV	11.22G	40.91	54.00	-13.09	3	Horizontal	81	2.92
5610MHz	Pass	PK	11.2288G	51.92	74.00	-22.08	3	Horizontal	81	2.92
5610MHz	Pass	PK	16.82984G	53.05	68.20	-15.15	3	Horizontal	59	1.18
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.4152G	49.70	54.00	-4.30	3	Vertical	6	2.40
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.6588G	100.71	Inf	-Inf	3	Vertical	6	2.40
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.444G	61.42	74.00	-12.58	3	Vertical	6	2.40
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.4644G	61.68	68.20	-6.52	3	Vertical	6	2.40
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.6972G	112.94	Inf	-Inf	3	Vertical	6	2.40
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.8568G	65.47	68.20	-2.73	3	Vertical	6	2.40
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.4452G	49.49	54.00	-4.51	3	Horizontal	303	1.01
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.6672G	100.21	Inf	-Inf	3	Horizontal	303	1.01
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.4056G	62.15	74.00	-11.85	3	Horizontal	303	1.01
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.4632G	62.08	68.20	-6.12	3	Horizontal	303	1.01
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.708G	111.54	Inf	-Inf	3	Horizontal	303	1.01
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.9852G	63.94	68.20	-4.26	3	Horizontal	303	1.01
5690MHz Straddle 5.47-5.725GHz	Pass	AV	11.37984G	41.14	54.00	-12.86	3	Vertical	8	1.50
5690MHz Straddle 5.47-5.725GHz	Pass	PK	11.37608G	51.84	74.00	-22.16	3	Vertical	8	1.50
5690MHz Straddle 5.47-5.725GHz	Pass	PK	17.06072G	53.10	68.20	-15.10	3	Vertical	359	1.50
5690MHz Straddle 5.47-5.725GHz	Pass	AV	11.38504G	40.61	54.00	-13.39	3	Horizontal	254	1.82
5690MHz Straddle 5.47-5.725GHz	Pass	PK	11.3876G	51.93	74.00	-22.07	3	Horizontal	254	1.82
5690MHz Straddle 5.47-5.725GHz	Pass	PK	17.0556G	53.13	68.20	-15.07	3	Horizontal	355	1.50
802.11be EHT160_Nss1(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.25-5.35GHz	Pass	AV	5.1264G	53.45	54.00	-0.55	3	Vertical	0	2.98
5250MHz Straddle 5.25-5.35GHz	Pass	AV	5.2176G	90.66	Inf	-Inf	3	Vertical	0	2.98
5250MHz Straddle 5.25-5.35GHz	Pass	AV	5.3976G	53.78	54.00	-0.22	3	Vertical	0	2.98
5250MHz Straddle 5.25-5.35GHz	Pass	PK	5.1264G	72.55	74.00	-1.45	3	Vertical	0	2.98
5250MHz Straddle 5.25-5.35GHz	Pass	PK	5.22G	102.00	Inf	-Inf	3	Vertical	0	2.98
5250MHz Straddle 5.25-5.35GHz	Pass	PK	5.3976G	69.40	74.00	-4.60	3	Vertical	0	2.98
5250MHz Straddle 5.25-5.35GHz	Pass	PK	5.5356G	62.64	68.20	-5.56	3	Vertical	0	2.98
5250MHz Straddle 5.25-5.35GHz	Pass	AV	5.1372G	52.54	54.00	-1.46	3	Horizontal	360	1.50
5250MHz Straddle 5.25-5.35GHz	Pass	AV	5.2056G	87.94	Inf	-Inf	3	Horizontal	360	1.50
5250MHz Straddle 5.25-5.35GHz	Pass	AV	5.4048G	53.20	54.00	-0.80	3	Horizontal	360	1.50
5250MHz Straddle 5.25-5.35GHz	Pass	PK	5.1288G	71.42	74.00	-2.58	3	Horizontal	360	1.50
5250MHz Straddle 5.25-5.35GHz	Pass	PK	5.2056G	99.05	Inf	-Inf	3	Horizontal	360	1.50
5250MHz Straddle 5.25-5.35GHz	Pass	PK	5.394G	67.73	74.00	-6.27	3	Horizontal	360	1.50
5250MHz Straddle 5.25-5.35GHz	Pass	PK	5.4648G	62.99	68.20	-5.21	3	Horizontal	360	1.50
5250MHz Straddle 5.25-5.35GHz	Pass	AV	15.73752G	43.27	54.00	-10.73	3	Vertical	286	1.50
5250MHz Straddle 5.25-5.35GHz	Pass	PK	10.50912G	51.55	68.20	-16.65	3	Vertical	176	2.60
5250MHz Straddle 5.25-5.35GHz	Pass	PK	15.71208G	53.07	74.00	-20.93	3	Vertical	286	1.50
5250MHz Straddle 5.25-5.35GHz	Pass	AV	15.78968G	43.26	54.00	-10.74	3	Horizontal	23	3.00
5250MHz Straddle 5.25-5.35GHz	Pass	PK	10.50944G	51.68	68.20	-16.52	3	Horizontal	301	1.50
5250MHz Straddle 5.25-5.35GHz	Pass	PK	15.72312G	53.39	74.00	-20.61	3	Horizontal	23	3.00
5570MHz	Pass	AV	5.4464G	49.82	54.00	-4.18	3	Vertical	0	2.10
5570MHz	Pass	AV	5.5772G	90.31	Inf	-Inf	3	Vertical	0	2.10
5570MHz	Pass	PK	5.35G	62.17	74.00	-11.83	3	Vertical	0	2.10
5570MHz	Pass	PK	5.4464G	69.14	74.00	-4.86	3	Vertical	0	2.10
5570MHz	Pass	PK	5.4608G	66.26	68.20	-1.94	3	Vertical	0	2.10
5570MHz	Pass	PK	5.5364G	100.94	Inf	-Inf	3	Vertical	0	2.10
5570MHz	Pass	PK	5.726G	64.20	68.20	-4.00	3	Vertical	0	2.10
5570MHz	Pass	AV	5.444G	51.94	54.00	-2.06	3	Horizontal	300	1.00
5570MHz	Pass	AV	5.6072G	90.25	Inf	-Inf	3	Horizontal	300	1.00
5570MHz	Pass	PK	5.3216G	64.20	68.20	-4.00	3	Horizontal	300	1.00
5570MHz	Pass	PK	5.45G	69.73	74.00	-4.27	3	Horizontal	300	1.00
5570MHz	Pass	PK	5.4644G	67.20	68.20	-1.00	3	Horizontal	300	1.00



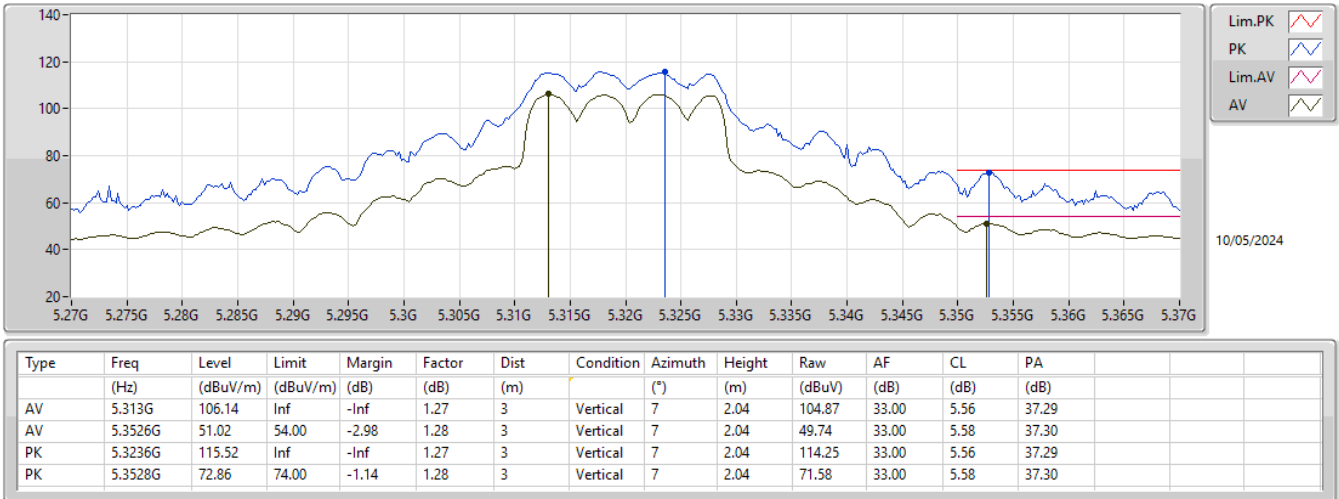
RSE TX above 1GHz_Non-Beamforming_Radio 2

Appendix D

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5570MHz	Pass	PK	5.6252G	101.93	Inf	-Inf	3	Horizontal	300	1.00
5570MHz	Pass	PK	5.7284G	65.17	68.20	-3.03	3	Horizontal	300	1.00
5570MHz	Pass	AV	11.17936G	42.38	54.00	-11.62	3	Vertical	28	1.50
5570MHz	Pass	PK	11.14576G	51.81	74.00	-22.19	3	Vertical	28	1.50
5570MHz	Pass	PK	16.686G	53.15	68.20	-15.05	3	Vertical	231	2.13
5570MHz	Pass	AV	11.17408G	41.96	54.00	-12.04	3	Horizontal	211	1.50
5570MHz	Pass	PK	11.15264G	52.27	74.00	-21.73	3	Horizontal	211	1.50
5570MHz	Pass	PK	16.71208G	52.96	68.20	-15.24	3	Horizontal	85	1.94

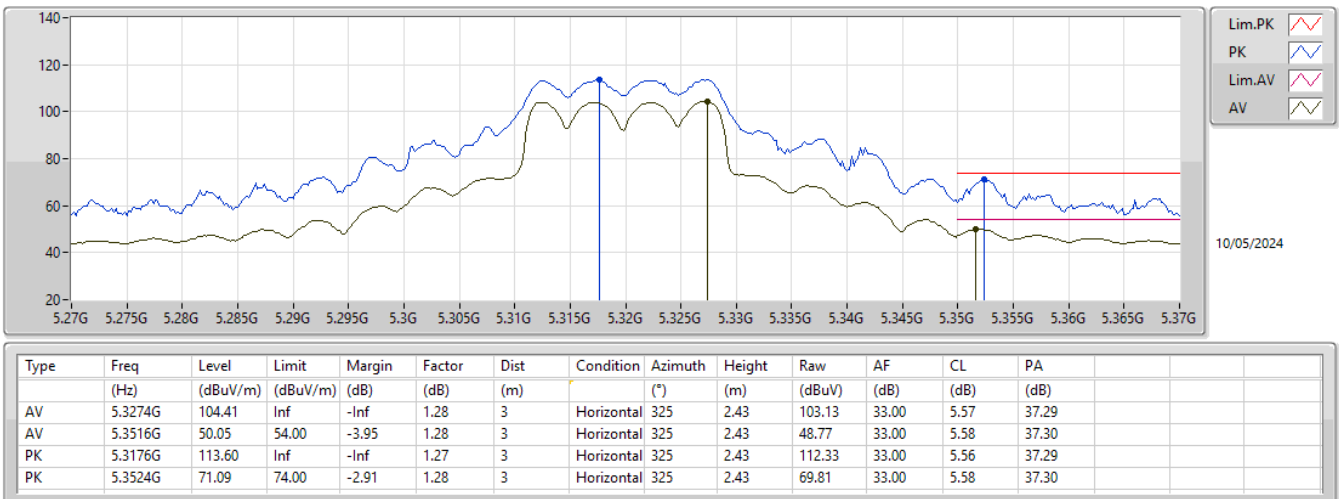
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX



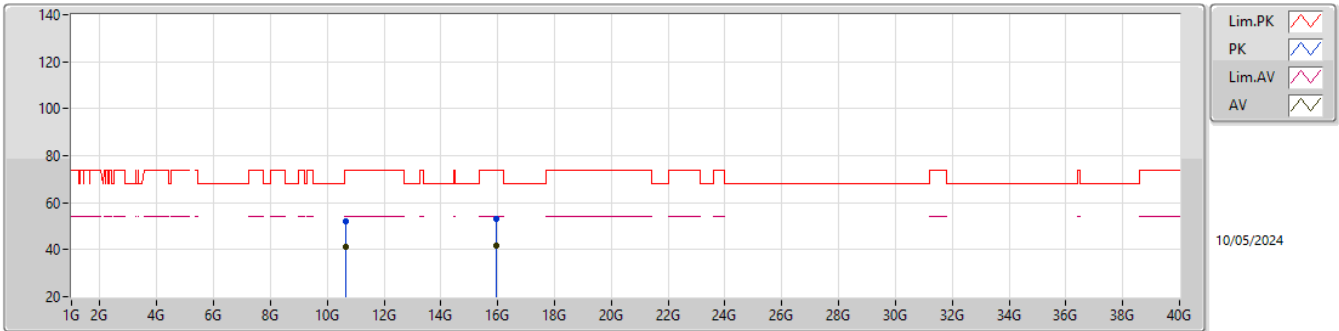
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX



5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

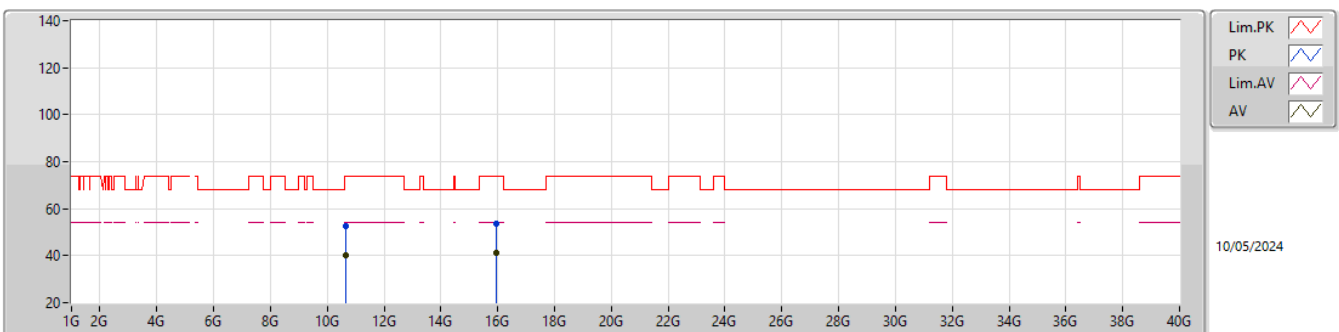
5320MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.63994G	41.08	54.00	-12.92	10.20	3	Vertical	10	1.00	30.88	39.56	8.17	37.53
AV	15.95736G	41.55	54.00	-12.45	9.86	3	Vertical	336	1.50	31.69	38.00	10.19	38.33
PK	10.64192G	51.84	74.00	-22.16	10.21	3	Vertical	10	1.00	41.63	39.57	8.17	37.53
PK	15.94698G	53.32	74.00	-20.68	9.86	3	Vertical	336	1.50	43.46	38.02	10.19	38.35

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

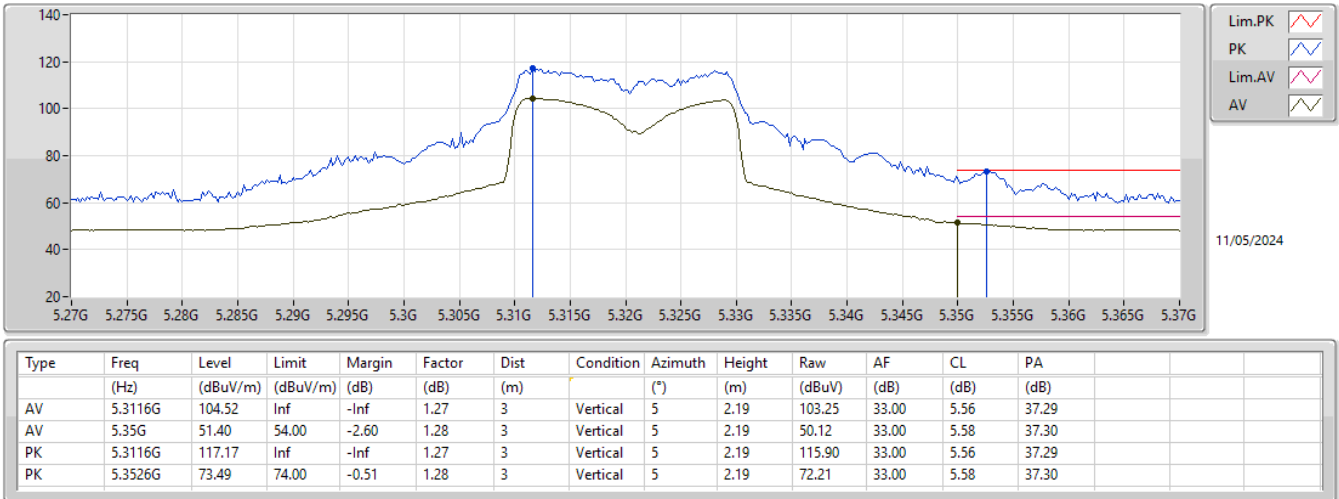
5320MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.64012G	40.13	54.00	-13.87	10.20	3	Horizontal	21	1.50	29.93	39.56	8.17	37.53
AV	15.95556G	41.45	54.00	-12.55	9.86	3	Horizontal	93	2.08	31.59	38.00	10.19	38.33
PK	10.63508G	52.33	74.00	-21.67	10.19	3	Horizontal	21	1.50	42.14	39.54	8.17	37.52
PK	15.96204G	53.61	74.00	-20.39	9.88	3	Horizontal	93	2.08	43.73	38.00	10.20	38.32

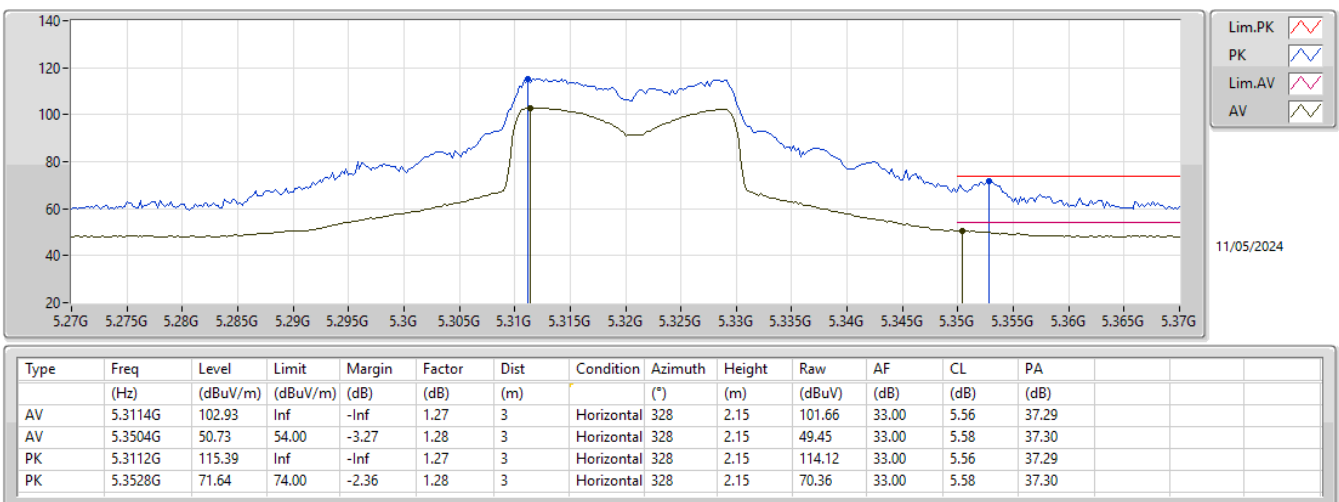
5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5320MHz_TX



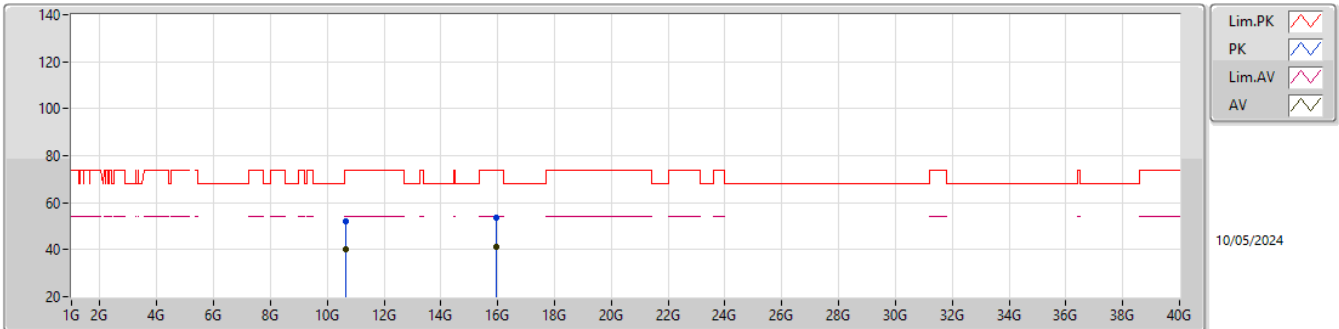
5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5320MHz_TX



5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_2TX

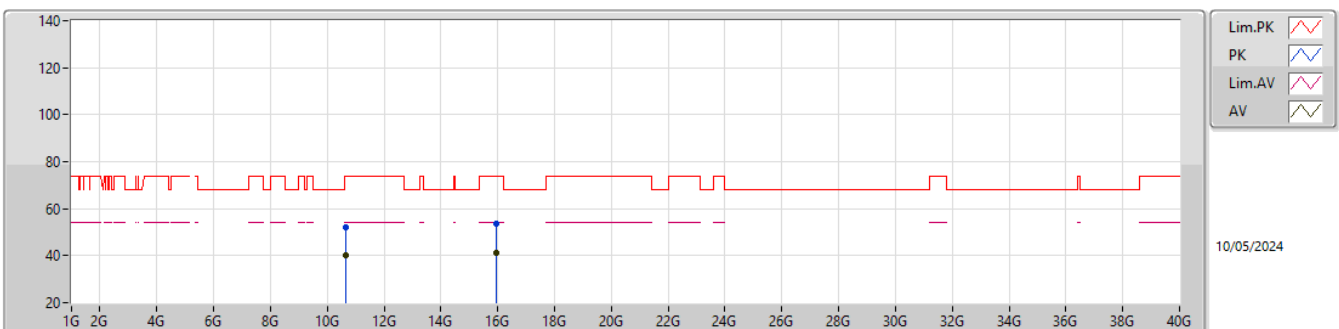
5320MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.64004G	40.41	54.00	-13.59	10.20	3	Vertical	345	2.31	30.21	39.56	8.17	37.53
AV	15.95922G	41.29	54.00	-12.71	9.87	3	Vertical	144	1.50	31.42	38.00	10.19	38.32
PK	10.64G	52.07	74.00	-21.93	10.20	3	Vertical	345	2.31	41.87	39.56	8.17	37.53
PK	15.95932G	53.72	74.00	-20.28	9.87	3	Vertical	144	1.50	43.85	38.00	10.19	38.32

5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_2TX

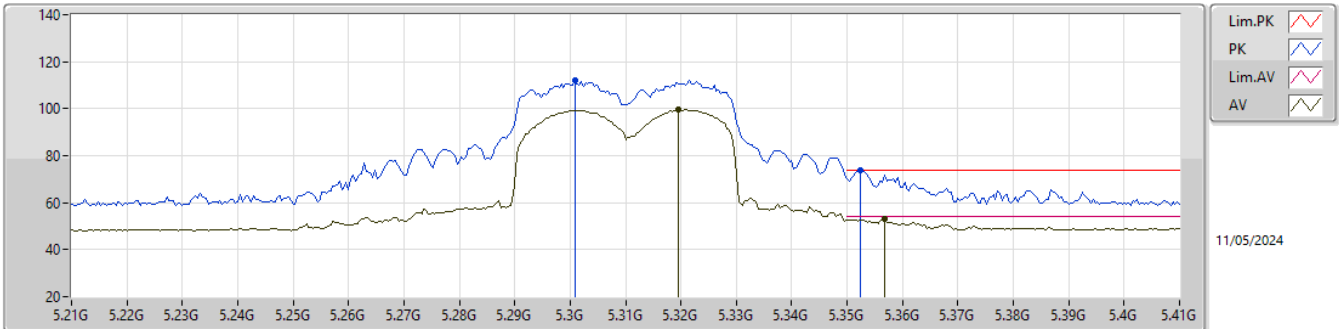
5320MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.64004G	40.12	54.00	-13.88	10.20	3	Horizontal	344	1.35	29.92	39.56	8.17	37.53
AV	15.96052G	41.41	54.00	-12.59	9.87	3	Horizontal	344	1.50	31.54	38.00	10.19	38.32
PK	10.64132G	51.87	74.00	-22.13	10.21	3	Horizontal	344	1.35	41.66	39.57	8.17	37.53
PK	15.95602G	53.79	74.00	-20.21	9.86	3	Horizontal	344	1.50	43.93	38.00	10.19	38.33

5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_2TX

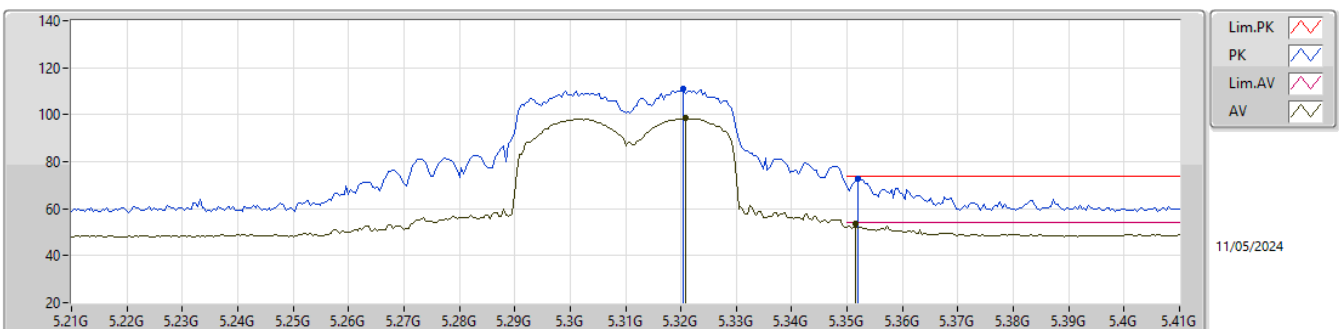
5310MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.3196G	99.48	Inf	-Inf	1.27	3	Vertical	5	2.02	98.21	33.00	5.56	37.29
AV	5.3568G	53.08	54.00	-0.92	1.28	3	Vertical	5	2.02	51.80	33.00	5.58	37.30
PK	5.3008G	111.86	Inf	-Inf	1.27	3	Vertical	5	2.02	110.59	33.00	5.55	37.28
PK	5.3524G	73.59	74.00	-0.41	1.28	3	Vertical	5	2.02	72.31	33.00	5.58	37.30

5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_2TX

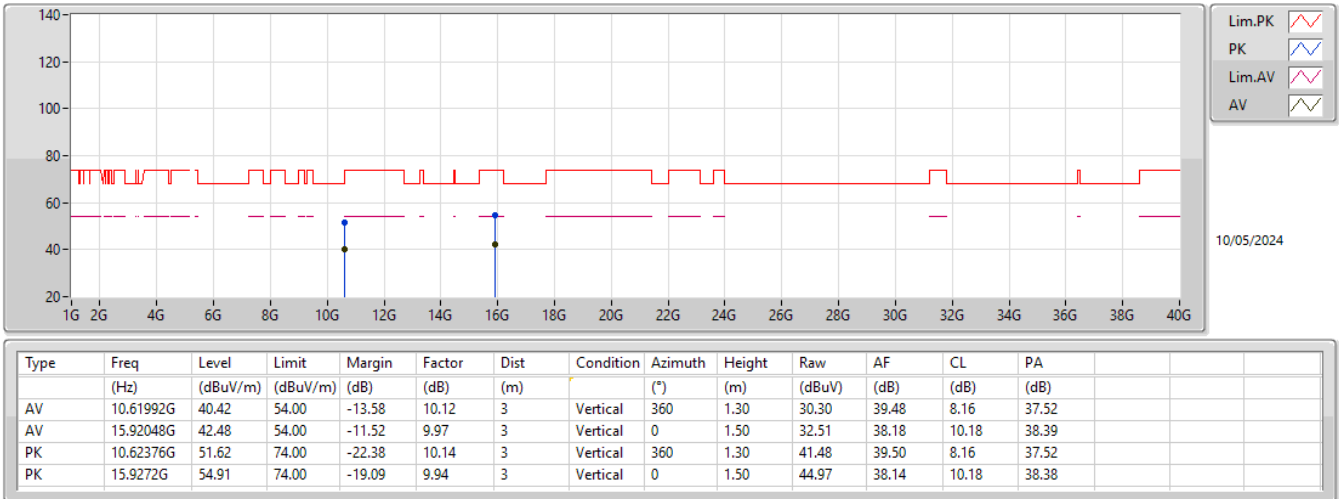
5310MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.3208G	98.52	Inf	-Inf	1.27	3	Horizontal	328	2.11	97.25	33.00	5.56	37.29
AV	5.3516G	53.74	54.00	-0.26	1.28	3	Horizontal	328	2.11	52.46	33.00	5.58	37.30
PK	5.3204G	110.91	Inf	-Inf	1.27	3	Horizontal	328	2.11	109.64	33.00	5.56	37.29
PK	5.352G	72.53	74.00	-1.47	1.28	3	Horizontal	328	2.11	71.25	33.00	5.58	37.30

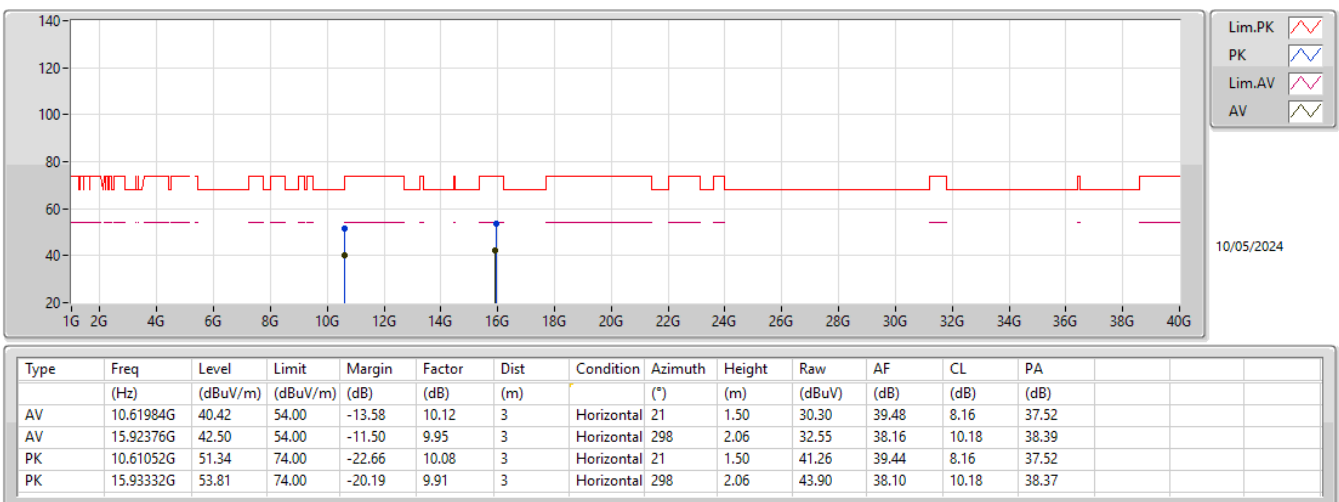
5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_2TX

5310MHz_TX



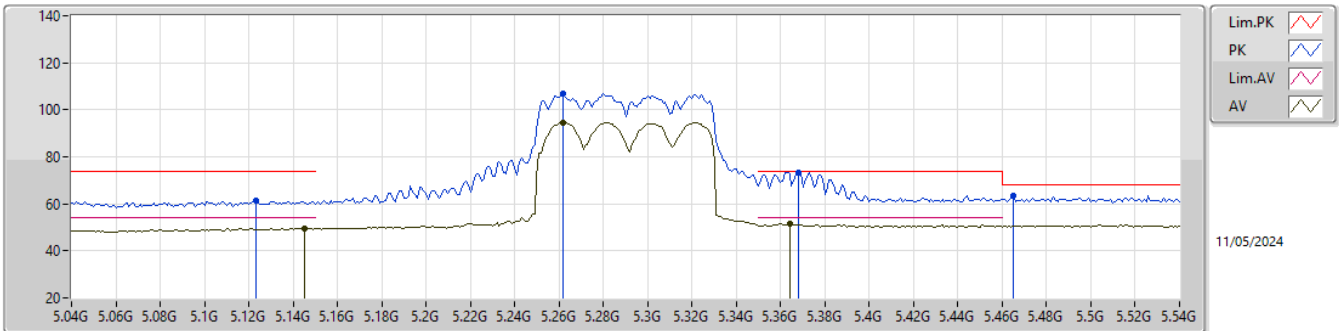
5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_2TX

5310MHz_TX



5.25-5.35GHz_802.11be EHT80_Nss1,(MCS0)_2TX

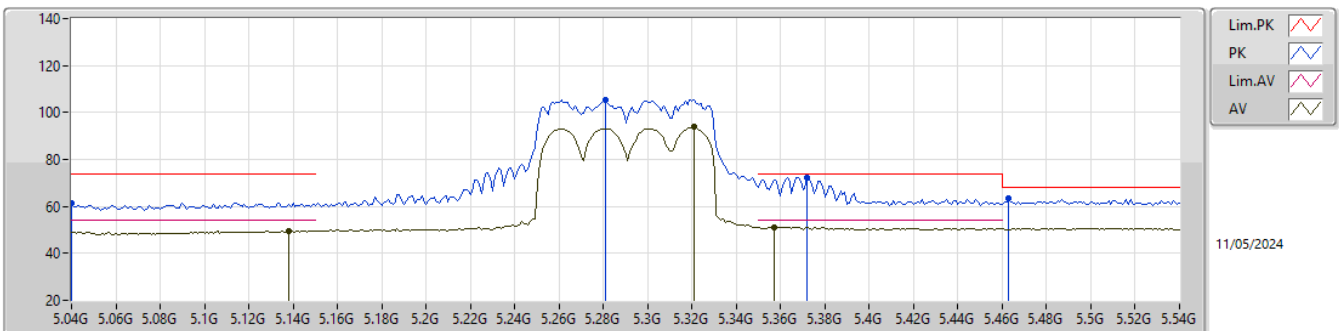
5290MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.145G	49.59	54.00	-4.41	1.62	3	Vertical	6	2.03	47.97	33.40	5.46	37.24
AV	5.262G	94.46	Inf	-Inf	1.34	3	Vertical	6	2.03	93.12	33.08	5.53	37.27
AV	5.364G	51.45	54.00	-2.55	1.29	3	Vertical	6	2.03	50.16	33.00	5.59	37.30
PK	5.123G	61.42	74.00	-12.58	1.62	3	Vertical	6	2.03	59.80	33.40	5.45	37.23
PK	5.262G	106.84	Inf	-Inf	1.34	3	Vertical	6	2.03	105.50	33.08	5.53	37.27
PK	5.368G	73.40	74.00	-0.60	1.29	3	Vertical	6	2.03	72.11	33.00	5.59	37.30
PK	5.465G	63.28	68.20	-4.92	1.44	3	Vertical	6	2.03	61.84	33.13	5.64	37.33

5.25-5.35GHz_802.11be EHT80_Nss1,(MCS0)_2TX

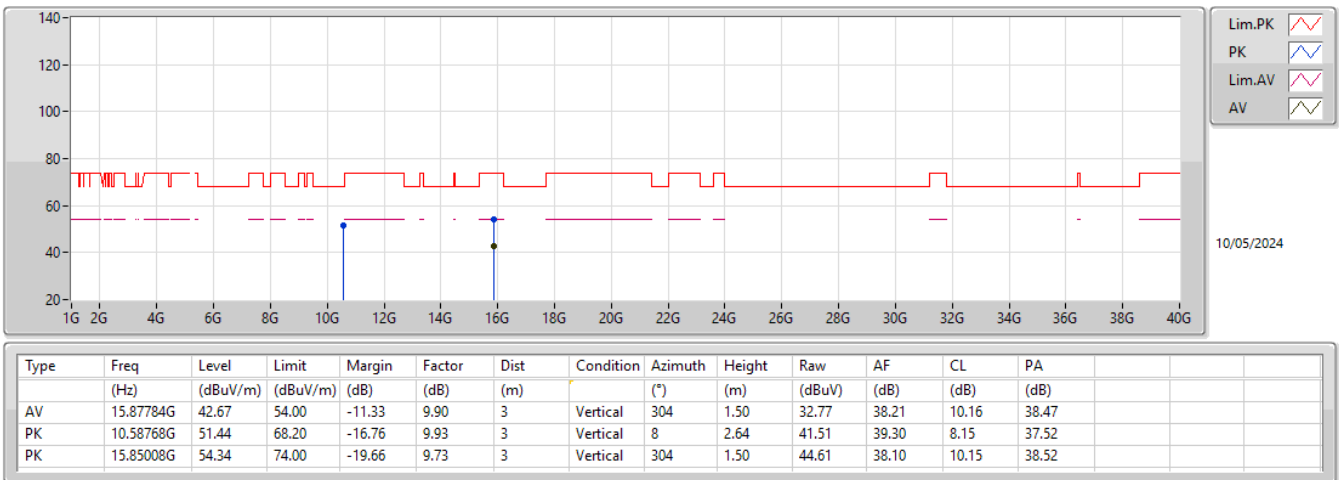
5290MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.138G	49.60	54.00	-4.40	1.62	3	Horizontal	326	2.11	47.98	33.40	5.46	37.24
AV	5.321G	93.74	Inf	-Inf	1.27	3	Horizontal	326	2.11	92.47	33.00	5.56	37.29
AV	5.357G	51.20	54.00	-2.80	1.28	3	Horizontal	326	2.11	49.92	33.00	5.58	37.30
PK	5.04G	61.62	74.00	-12.38	1.59	3	Horizontal	326	2.11	60.03	33.40	5.40	37.21
PK	5.281G	105.59	Inf	-Inf	1.30	3	Horizontal	326	2.11	104.29	33.04	5.54	37.28
PK	5.372G	72.28	74.00	-1.72	1.29	3	Horizontal	326	2.11	70.99	33.00	5.59	37.30
PK	5.463G	63.33	68.20	-4.87	1.44	3	Horizontal	326	2.11	61.89	33.13	5.64	37.33

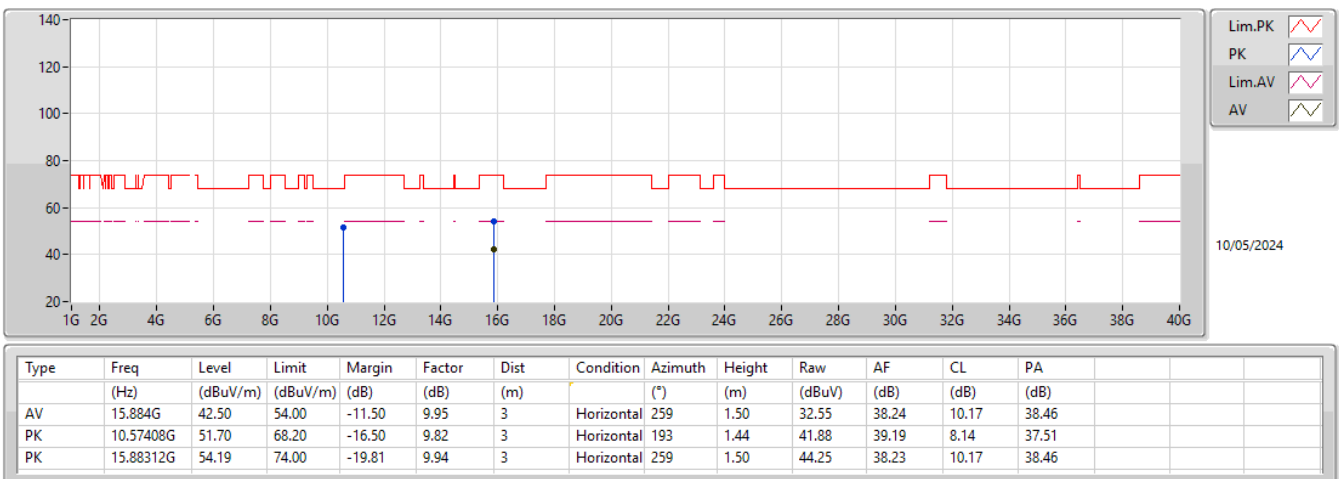
5.25-5.35GHz_802.11be EHT80_Nss1,(MCS0)_2TX

5290MHz_TX



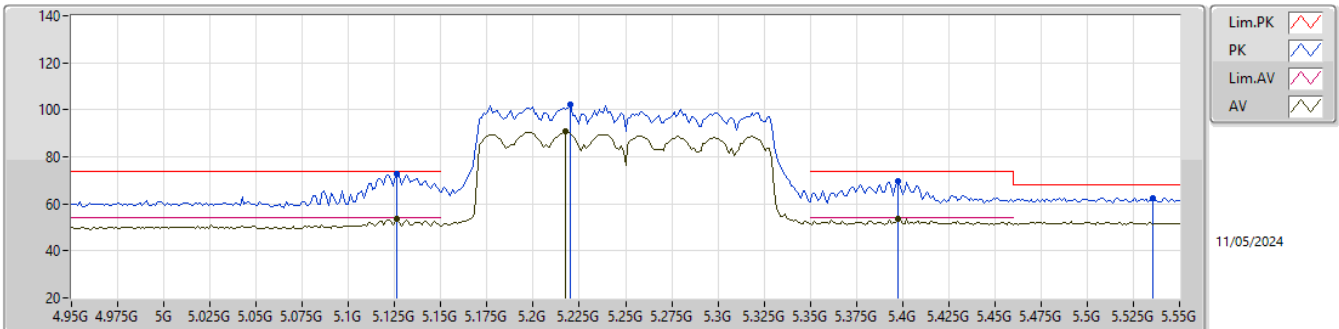
5.25-5.35GHz_802.11be EHT80_Nss1,(MCS0)_2TX

5290MHz_TX



5.25-5.35GHz_802.11be EHT160_Nss1,(MCS0)_2TX

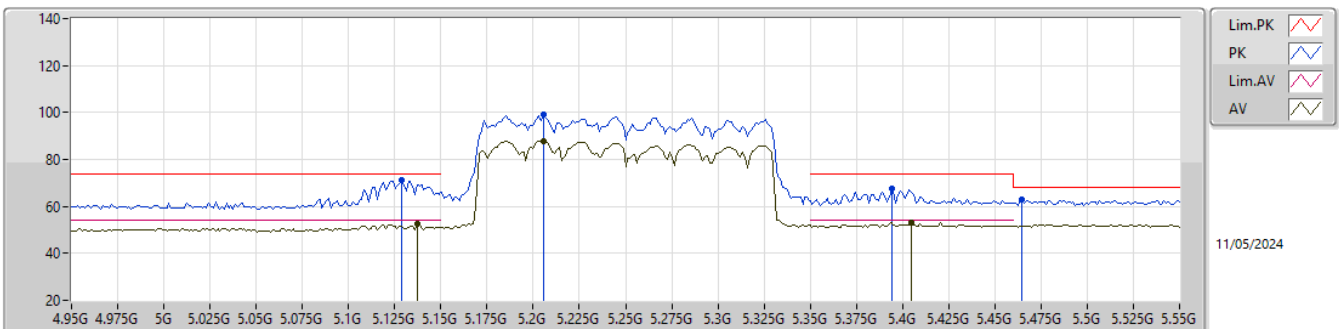
5250MHz Straddle 5.25-5.35GHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1264G	53.45	54.00	-0.55	1.61	3	Vertical	0	2.98	51.84	33.40	5.45	37.24
AV	5.2176G	90.66	Inf	-Inf	1.47	3	Vertical	0	2.98	89.19	33.23	5.50	37.26
AV	5.3976G	53.78	54.00	-0.22	1.30	3	Vertical	0	2.98	52.48	33.00	5.61	37.31
PK	5.1264G	72.55	74.00	-1.45	1.61	3	Vertical	0	2.98	70.94	33.40	5.45	37.24
PK	5.22G	102.00	Inf	-Inf	1.46	3	Vertical	0	2.98	100.54	33.22	5.50	37.26
PK	5.3976G	69.40	74.00	-4.60	1.30	3	Vertical	0	2.98	68.10	33.00	5.61	37.31
PK	5.5356G	62.64	68.20	-5.56	1.49	3	Vertical	0	2.98	61.15	33.13	5.67	37.31

5.25-5.35GHz_802.11be EHT160_Nss1,(MCS0)_2TX

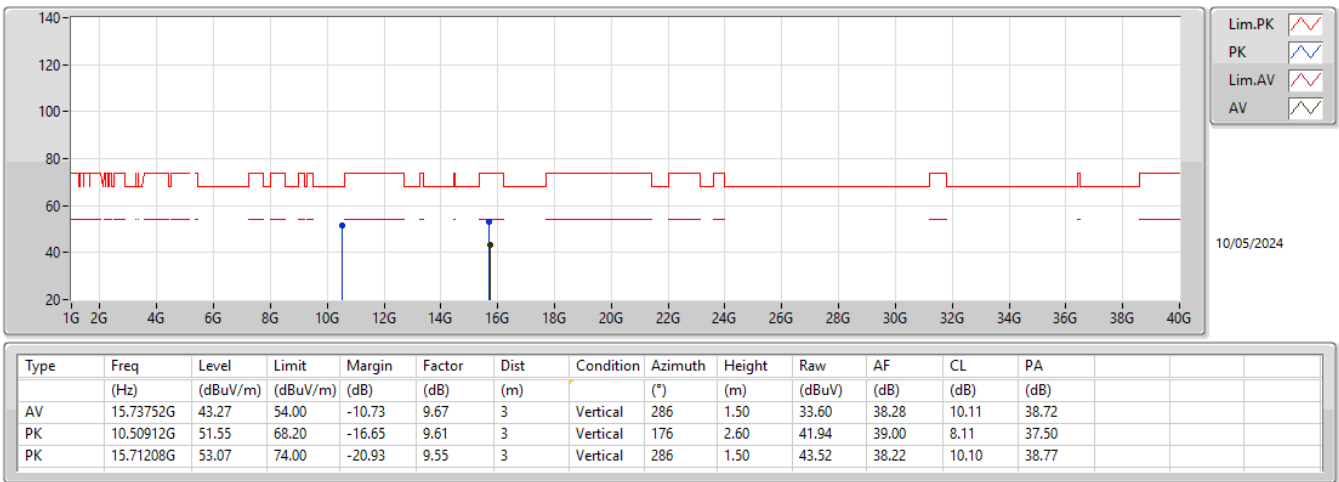
5250MHz Straddle 5.25-5.35GHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1372G	52.54	54.00	-1.46	1.62	3	Horizontal	360	1.50	50.92	33.40	5.46	37.24
AV	5.2056G	87.94	Inf	-Inf	1.51	3	Horizontal	360	1.50	86.43	33.28	5.49	37.26
AV	5.4048G	53.20	54.00	-0.80	1.31	3	Horizontal	360	1.50	51.89	33.01	5.61	37.31
PK	5.1288G	71.42	74.00	-2.58	1.61	3	Horizontal	360	1.50	69.81	33.40	5.45	37.24
PK	5.2056G	99.05	Inf	-Inf	1.51	3	Horizontal	360	1.50	97.54	33.28	5.49	37.26
PK	5.394G	67.73	74.00	-6.27	1.30	3	Horizontal	360	1.50	66.43	33.00	5.61	37.31
PK	5.4648G	62.99	68.20	-5.21	1.44	3	Horizontal	360	1.50	61.55	33.13	5.64	37.33

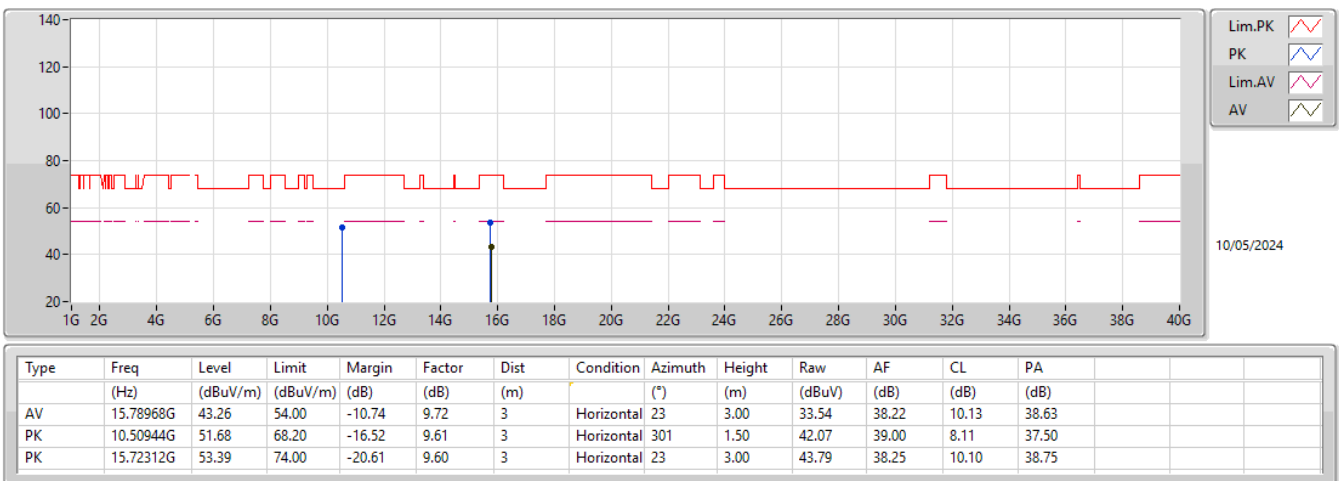
5.25-5.35GHz_802.11be EHT160_Nss1,(MCS0)_2TX

5250MHz Straddle 5.25-5.35GHz_TX



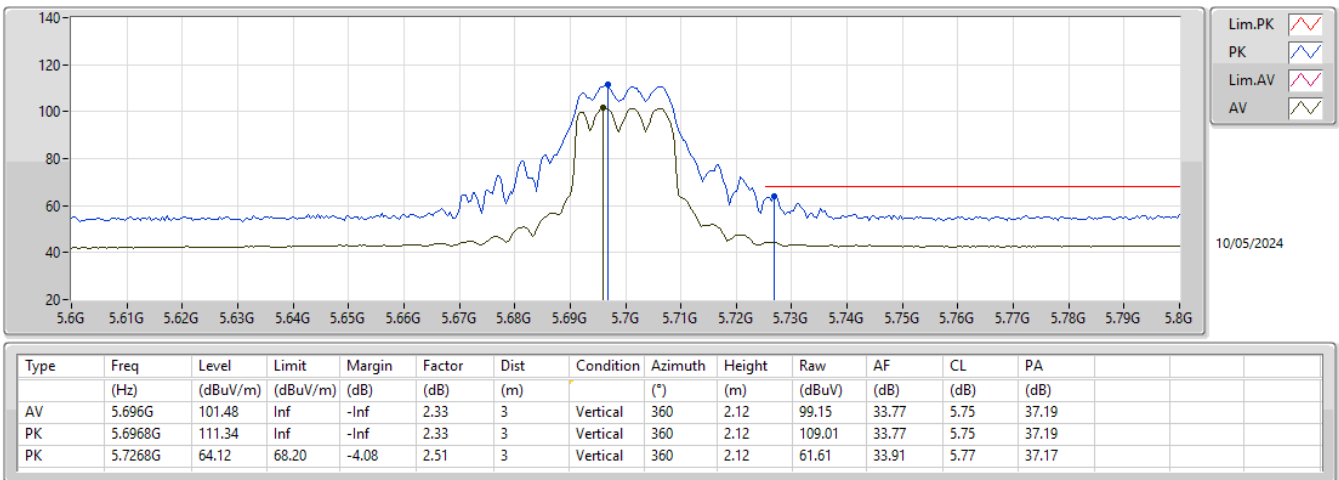
5.25-5.35GHz_802.11be EHT160_Nss1,(MCS0)_2TX

5250MHz Straddle 5.25-5.35GHz_TX



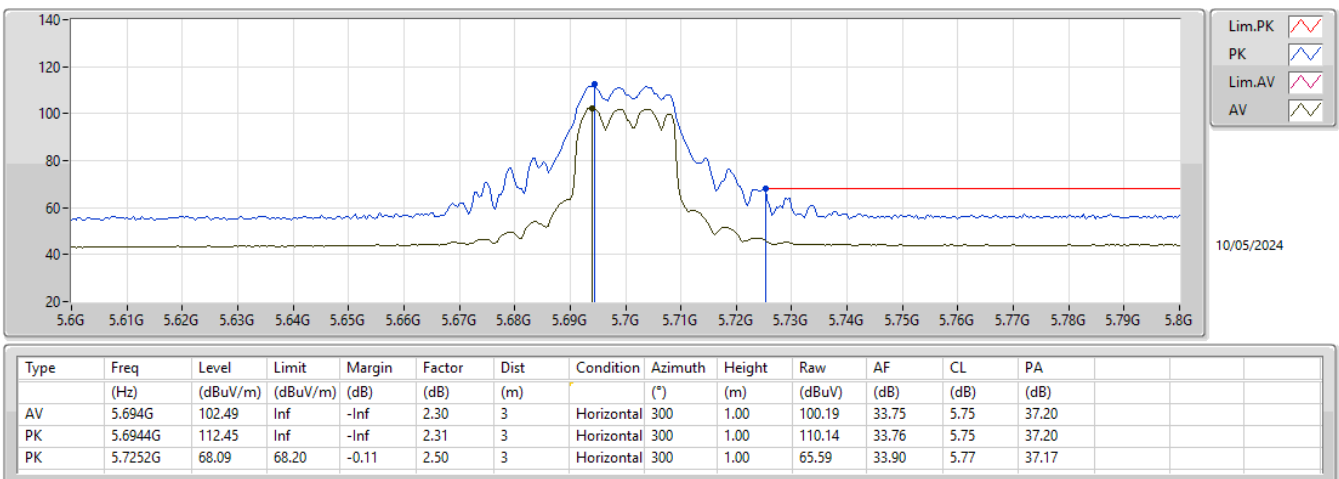
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX



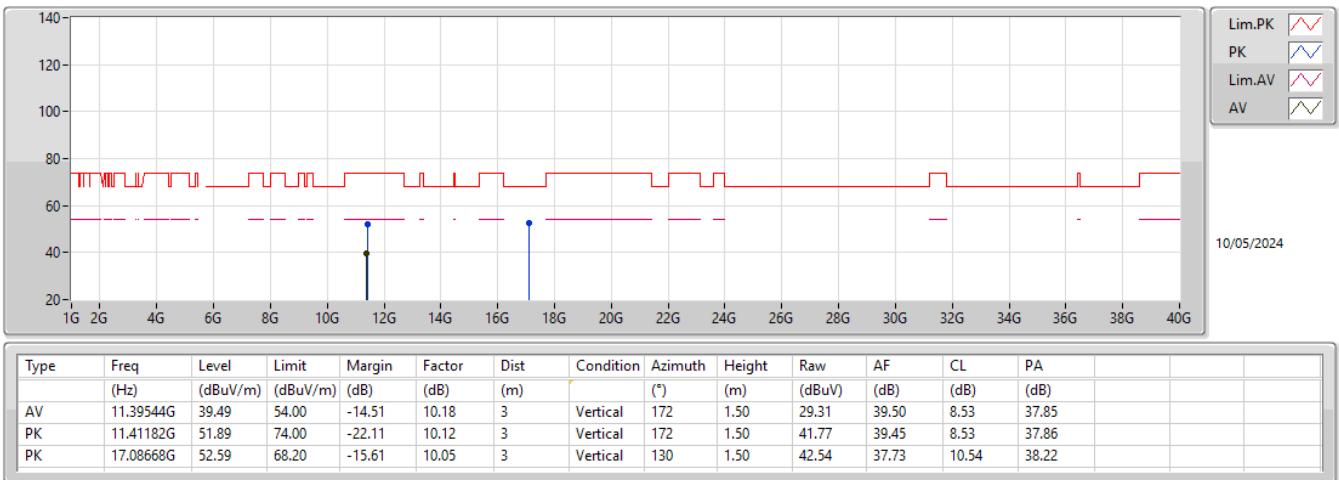
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX



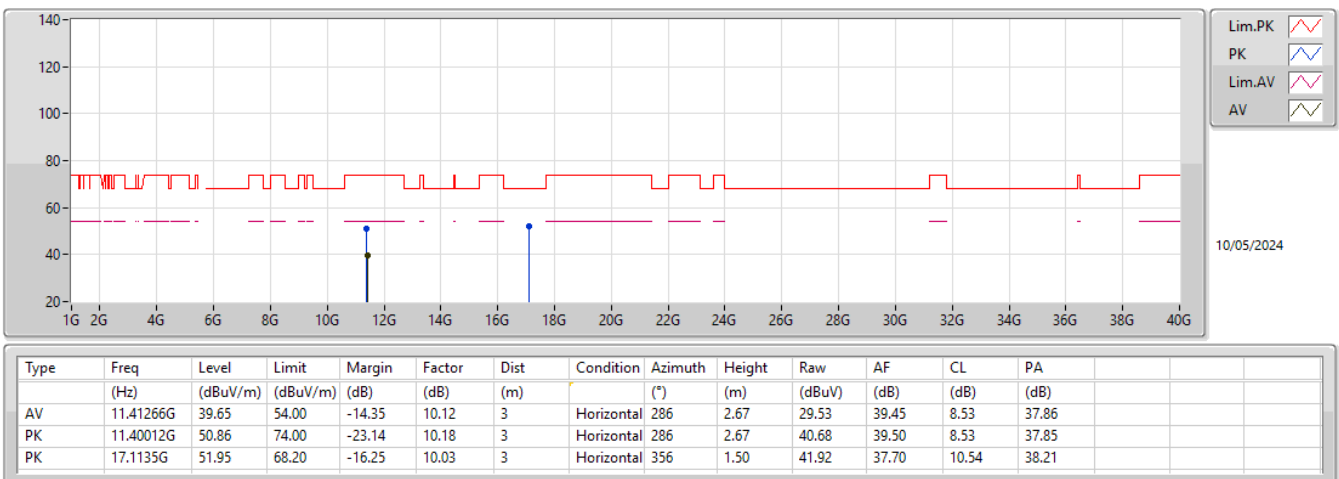
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX



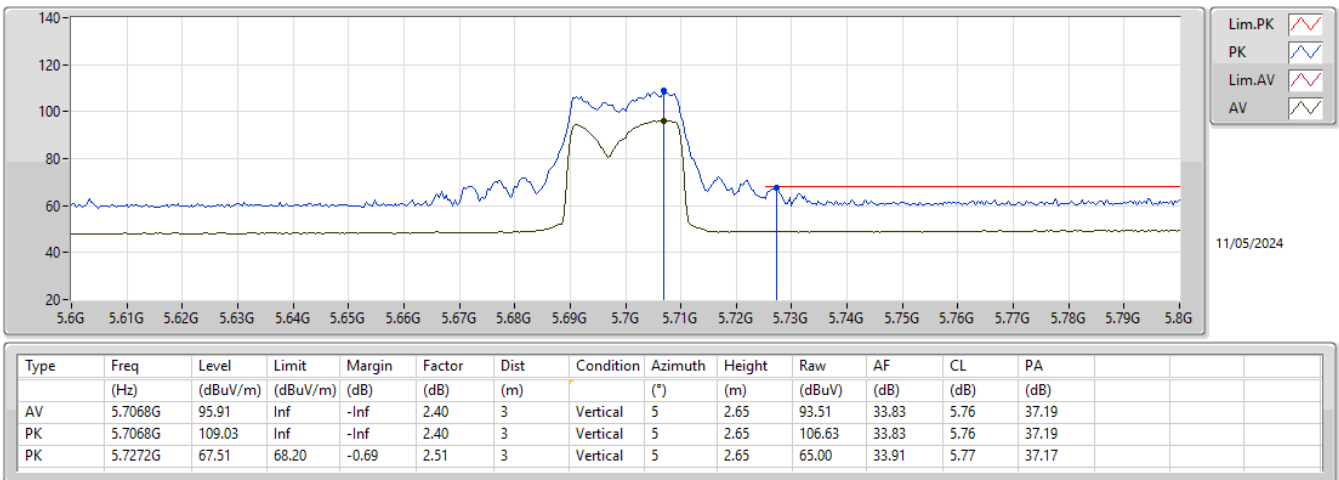
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5700MHz_TX



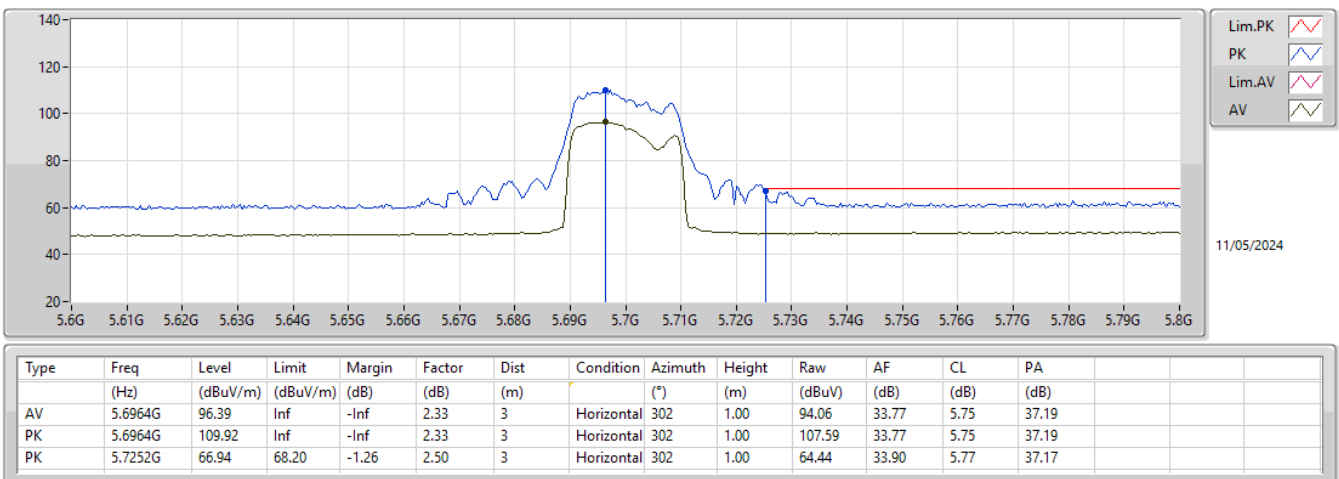
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5700MHz_TX



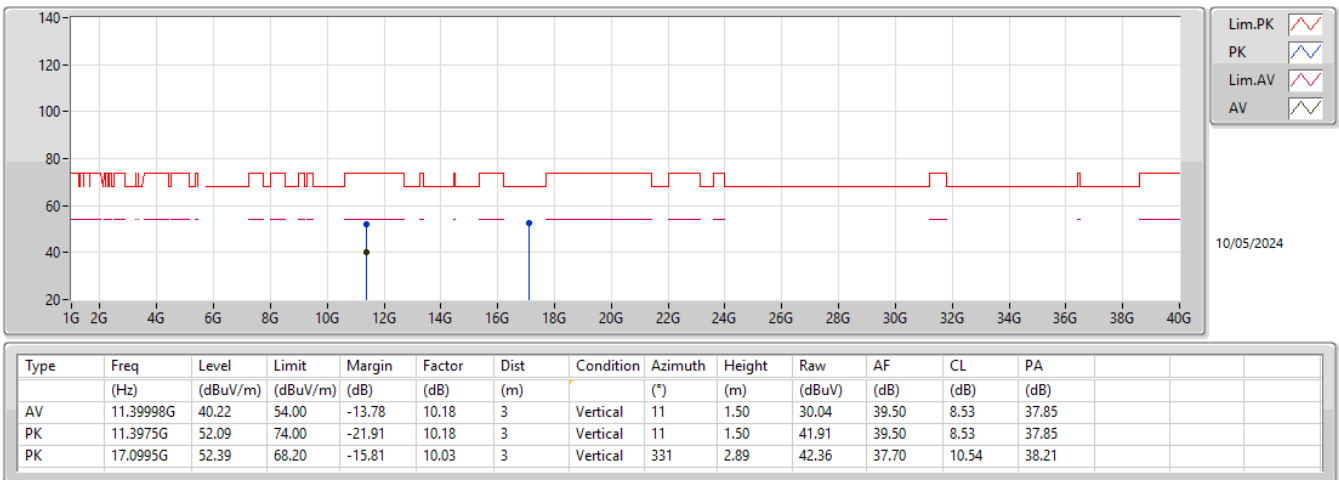
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5700MHz_TX



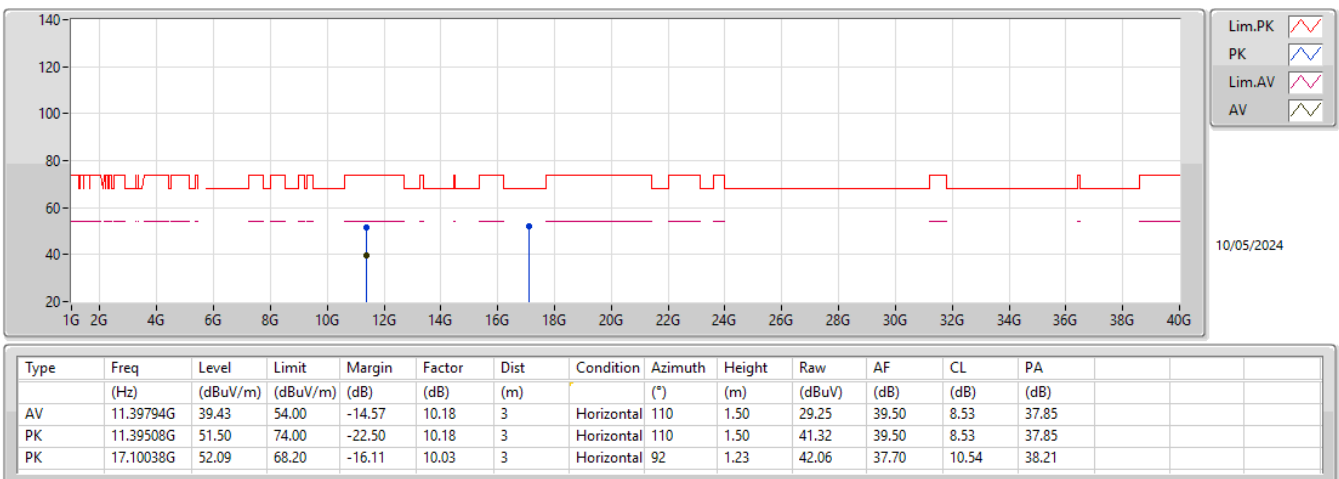
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5700MHz_TX



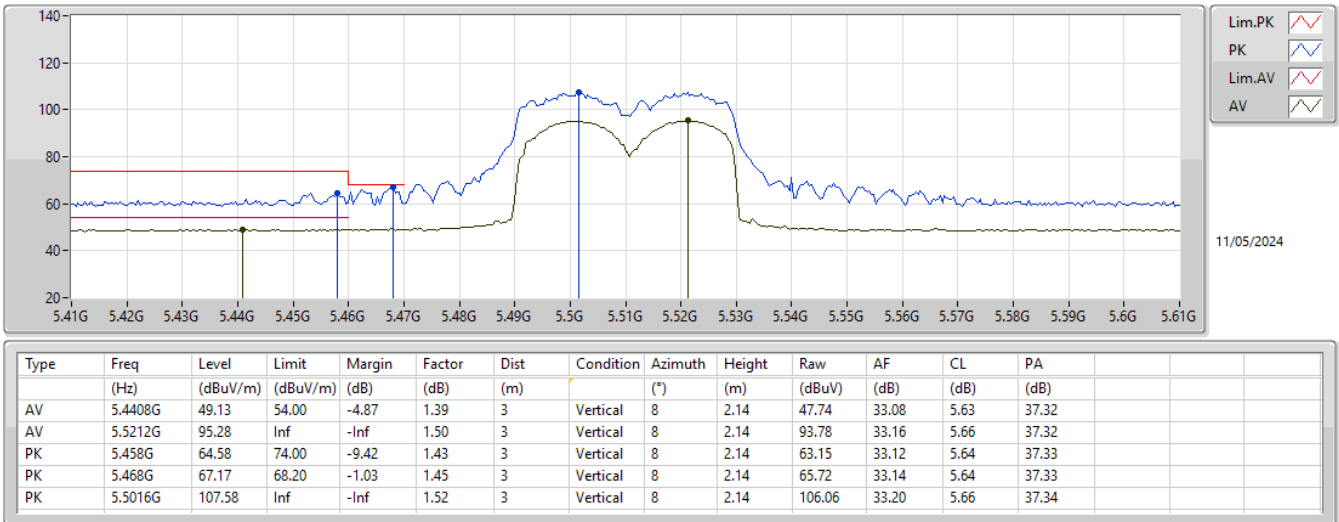
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5700MHz_TX



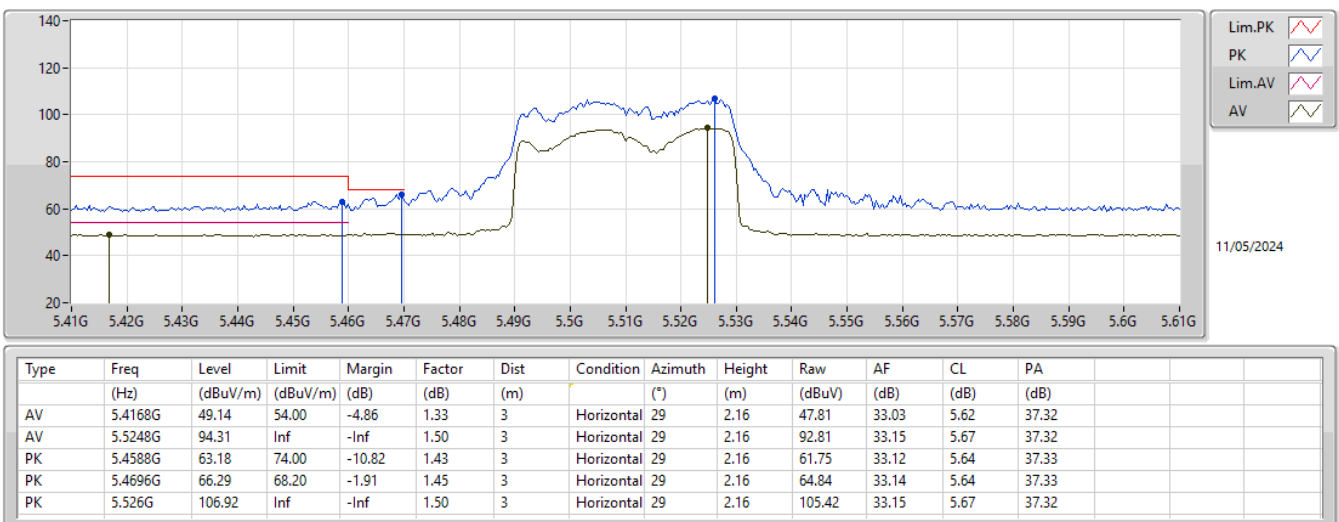
5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_2TX

5510MHz_TX



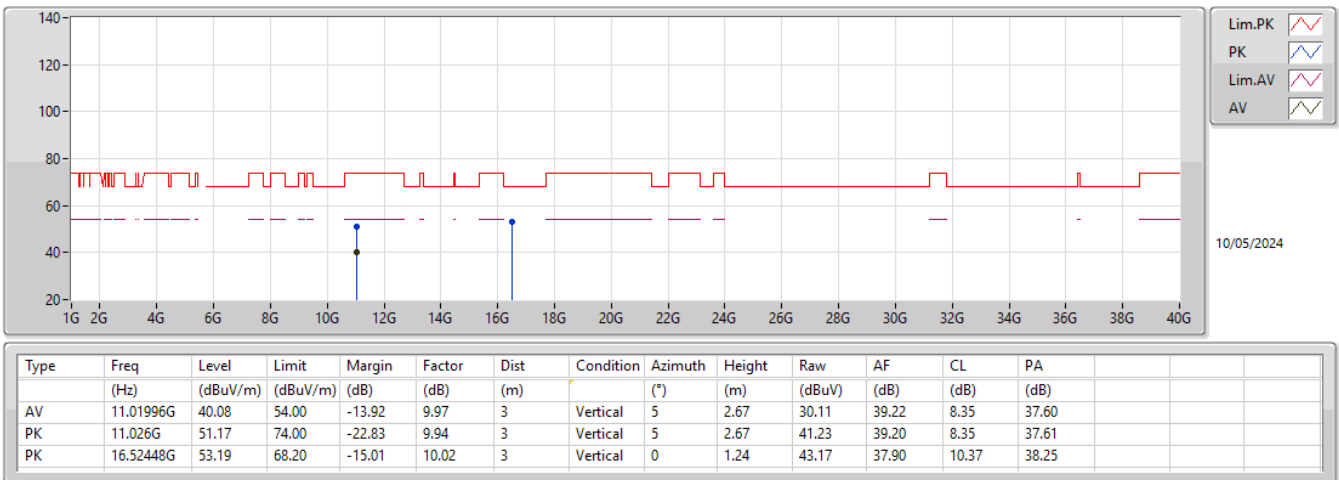
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5510MHz_TX



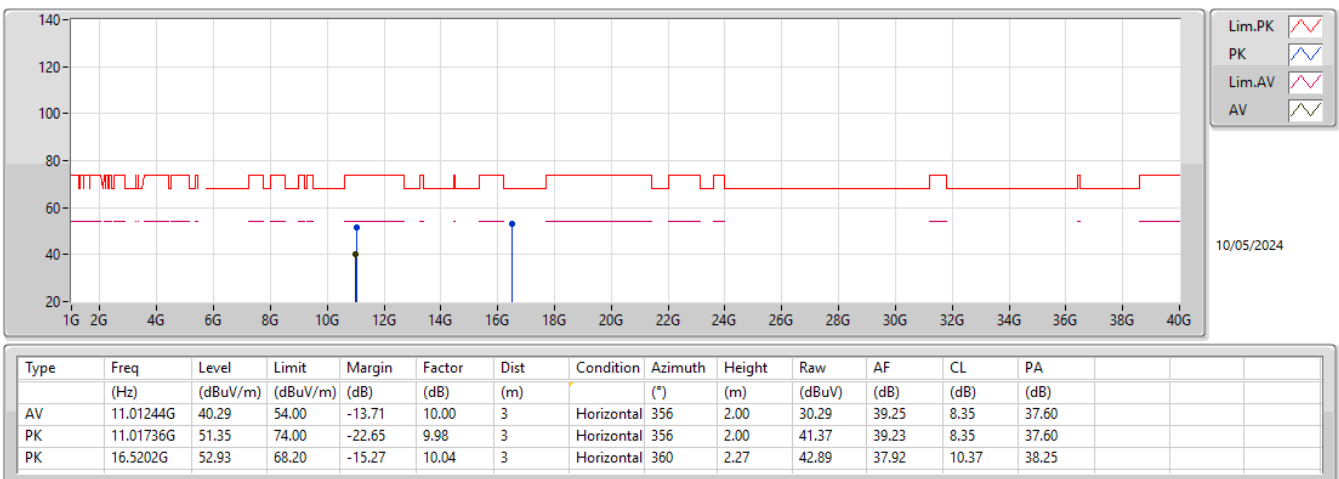
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5510MHz_TX



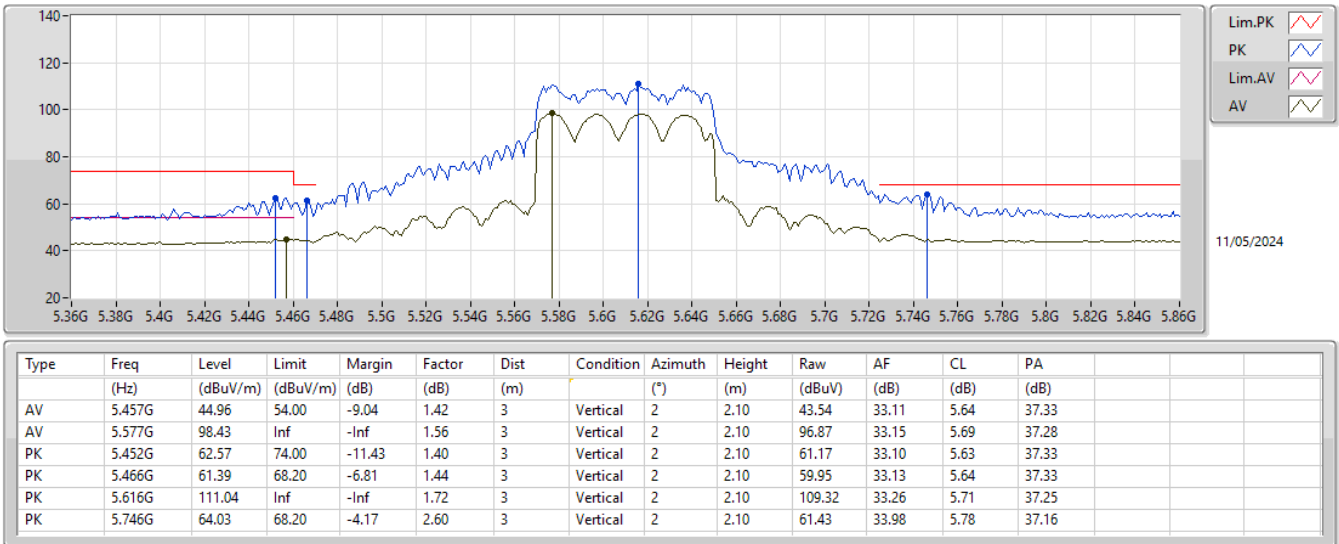
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5510MHz_TX



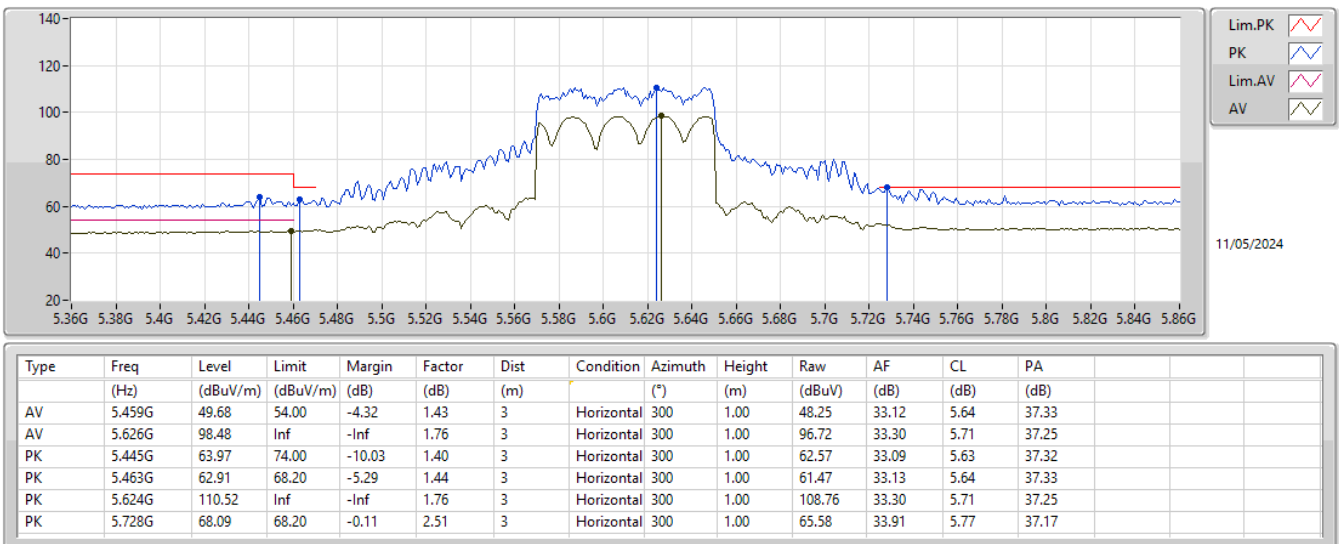
5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_2TX

5610MHz_TX



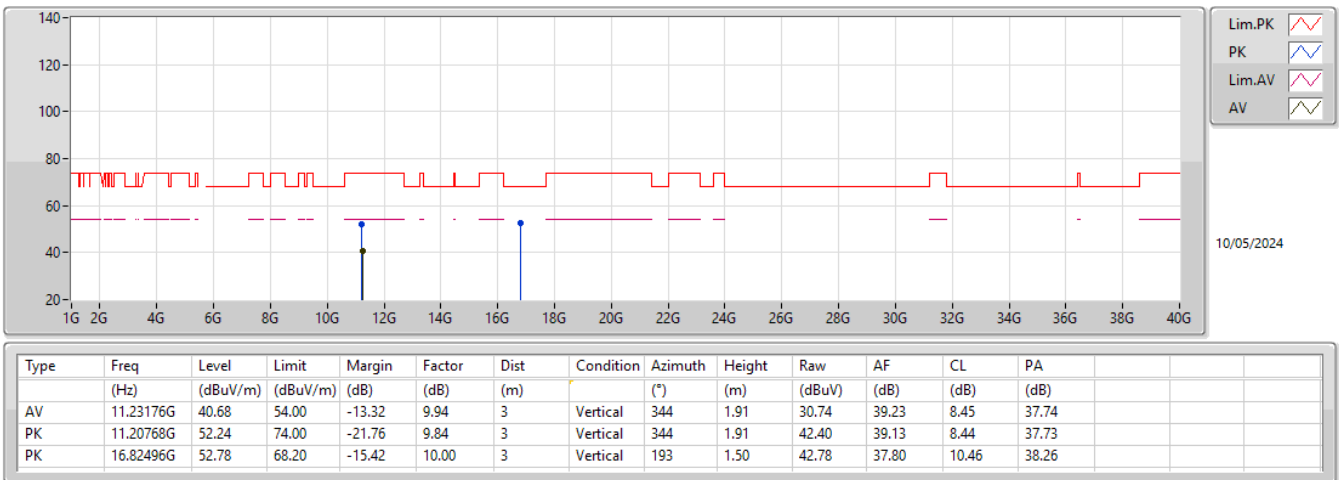
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5610MHz_TX



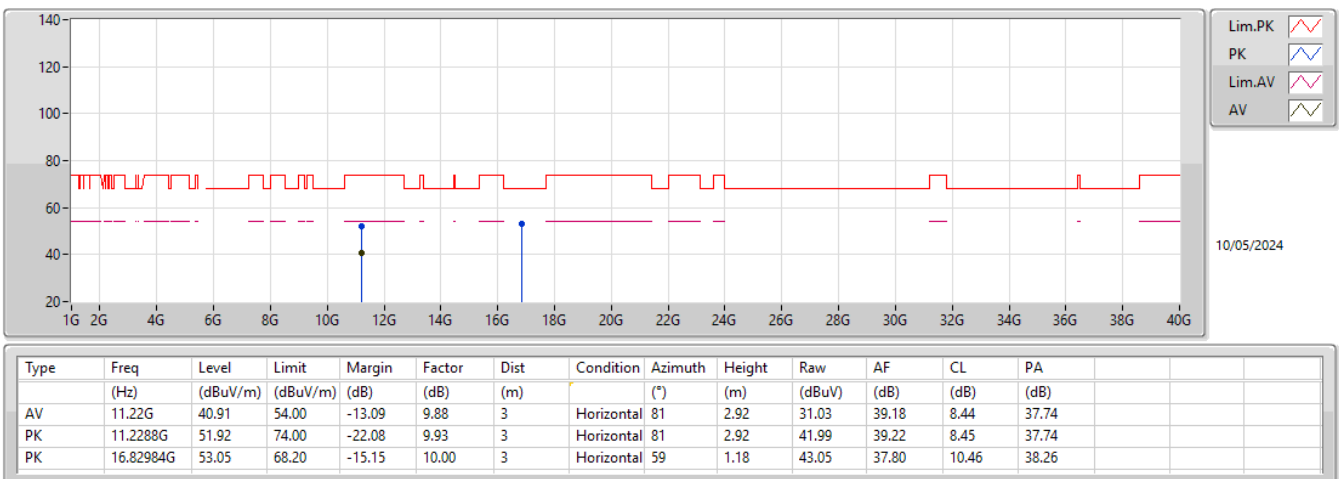
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5610MHz_TX



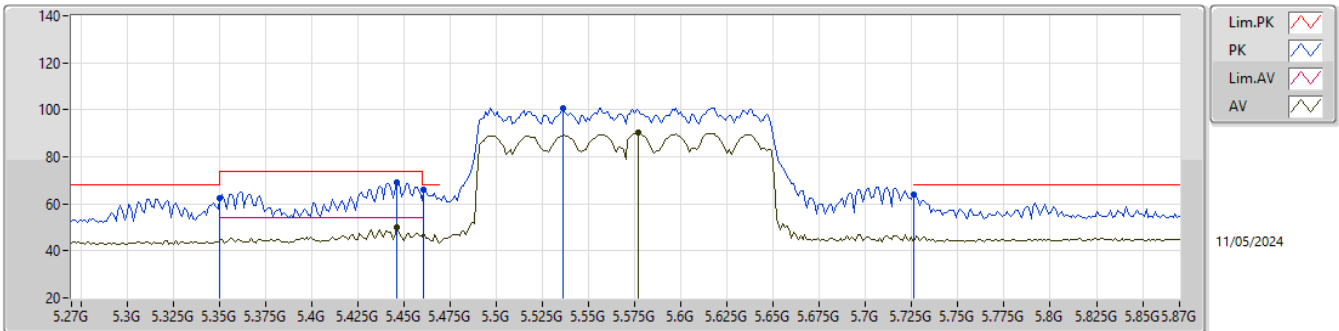
5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_2TX

5610MHz_TX



5.47-5.725GHz_802.11be EHT160_Nss1,(MCS0)_2TX

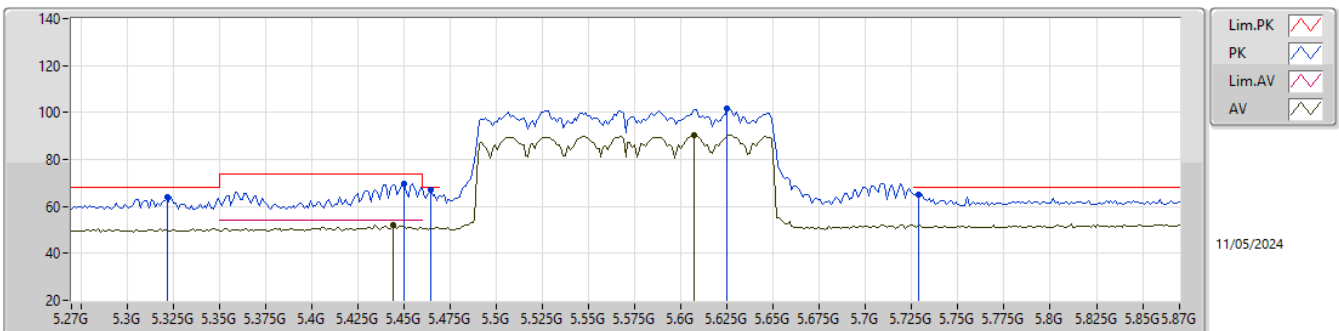
5570MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.4464G	49.82	54.00	-4.18	1.40	3	Vertical	0	2.10	48.42	33.09	5.63	37.32
AV	5.5772G	90.31	Inf	-Inf	1.56	3	Vertical	0	2.10	88.75	33.15	5.69	37.28
PK	5.35G	62.17	74.00	-11.83	1.28	3	Vertical	0	2.10	60.89	33.00	5.58	37.30
PK	5.4464G	69.14	74.00	-4.86	1.40	3	Vertical	0	2.10	67.74	33.09	5.63	37.32
PK	5.4608G	66.26	68.20	-1.94	1.43	3	Vertical	0	2.10	64.83	33.12	5.64	37.33
PK	5.5364G	100.94	Inf	-Inf	1.49	3	Vertical	0	2.10	99.45	33.13	5.67	37.31
PK	5.726G	64.20	68.20	-4.00	2.50	3	Vertical	0	2.10	61.70	33.90	5.77	37.17

5.47-5.725GHz_802.11be EHT160_Nss1,(MCS0)_2TX

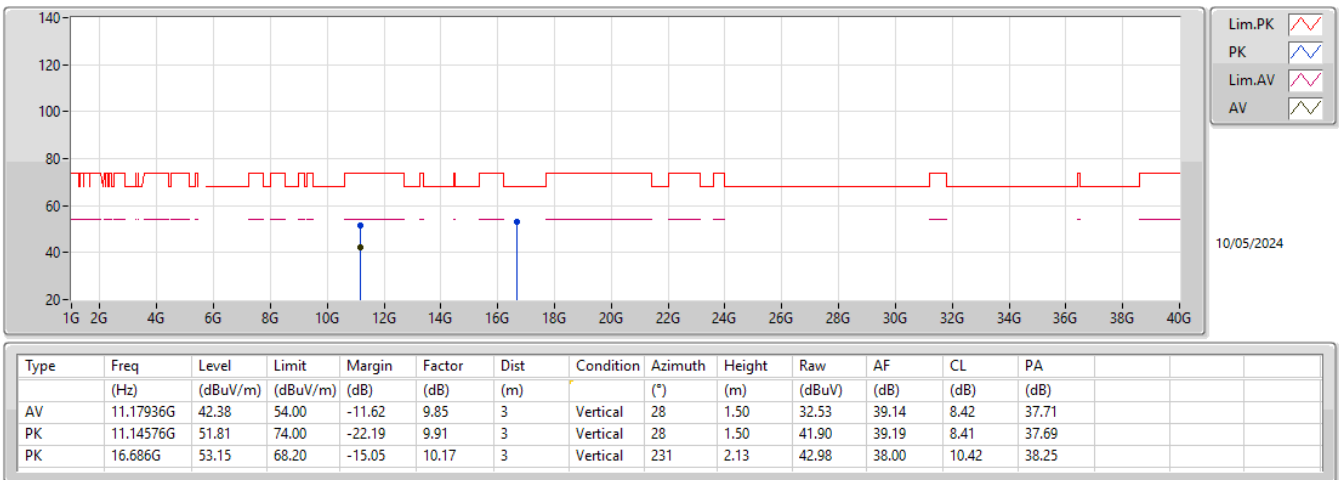
5570MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.444G	51.94	54.00	-2.06	1.40	3	Horizontal	300	1.00	50.54	33.09	5.63	37.32
AV	5.6072G	90.25	Inf	-Inf	1.67	3	Horizontal	300	1.00	88.58	33.23	5.70	37.26
PK	5.3216G	64.20	68.20	-4.00	1.27	3	Horizontal	300	1.00	62.93	33.00	5.56	37.29
PK	5.45G	69.73	74.00	-4.27	1.40	3	Horizontal	300	1.00	68.33	33.10	5.63	37.33
PK	5.4644G	67.20	68.20	-1.00	1.44	3	Horizontal	300	1.00	65.76	33.13	5.64	37.33
PK	5.6252G	101.93	Inf	-Inf	1.76	3	Horizontal	300	1.00	100.17	33.30	5.71	37.25
PK	5.7284G	65.17	68.20	-3.03	2.51	3	Horizontal	300	1.00	62.66	33.91	5.77	37.17

5.47-5.725GHz_802.11be EHT160_Nss1,(MCS0)_2TX

5570MHz_TX



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