

FCC Radio Test Report

FCC ID : TVE-240602
Equipment : Secured Wireless Access Point
Brand Name : FORTINET
Model Name : FortiAP 243Kxxxxxxxxxx, FAP-243Kxxxxxxxxxx,
FORTIAP-243Kxxxxxxxxxx (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 May 24, 2024, and testing was started from Jun. 01, 2024 and completed on Aug. 05, 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 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

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TEL : 886-3-3273456
FAX : 886-3-3270973
Report Template No.: HE1-D1 Ver4.5
FCC ID: TVE-240602

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	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Conducted Output Power	PASS	-
3.4	15.407(a)	Peak Power Spectral Density	PASS	-
3.5	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: Ann Hou

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
5150-5250	a, n (HT20), ac (VHT20), ax (HEW20), be (EHT20)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40), ax (HEW40), be (EHT40)	5190-5230	38-46 [2]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80) be (EHT80)	5210	42 [1]
5725-5850		5775	155 [1]

Non-Beamforming

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	2TX
5.15-5.25GHz	802.11be EHT20	20	2TX
5.725-5.85GHz	802.11be EHT20	20	2TX
5.15-5.25GHz	802.11be EHT40	40	2TX
5.725-5.85GHz	802.11be EHT40	40	2TX
5.15-5.25GHz	802.11be EHT80	80	2TX
5.725-5.85GHz	802.11be EHT80	80	2TX

Beamforming

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

Radio 3 < Scan >

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20), ax (HEW20)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40), ax (HEW40)	5190-5230	38-46 [2]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80)	5210	42 [1]
5725-5850		5775	155 [1]

Non-Beamforming

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	2TX
5.15-5.25GHz	802.11ax HEW 20	20	2TX
5.725-5.85GHz	802.11ax HEW 20	20	2TX
5.15-5.25GHz	802.11ax HEW 40	40	2TX
5.725-5.85GHz	802.11ax HEW 40	40	2TX
5.15-5.25GHz	802.11ax HEW 80	80	2TX
5.725-5.85GHz	802.11ax HEW 80	80	2TX

Note:

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

1.1.2 Antenna Information

Group	Ant.	Brand	Model Name	Antenna Type	Connector	Support
A	1	AWAN	7102A0668000	Dipole	Reverse SMA	2.4G+5G
	2	AWAN	7102A0668000	Dipole	Reverse SMA	2.4G+5G
	3	AWAN	7102A0669000	Dipole	Reverse SMA	2.4G+5G+6G
	4	AWAN	7102A0669000	Dipole	Reverse SMA	2.4G+5G+6G
	5	AWAN	7102A0667000	Dipole	Reverse SMA	6G
	6	AWAN	7102A0667000	Dipole	Reverse SMA	6G
-	7	Enrack	7102A1239000	PIFA	I-Pex	BT+Zigbee
B	8	Master Wave	7102A1334000	Dipole	Reverse SMA	2.4G+5G
	9	Master Wave	7102A1334000	Dipole	Reverse SMA	2.4G+5G
	10	Master Wave	7102A1335000	Dipole	Reverse SMA	2.4G+5G+6G
	11	Master Wave	7102A1335000	Dipole	Reverse SMA	2.4G+5G+6G
	12	Master Wave	7102A1333000	Dipole	Reverse SMA	6G
	13	Master Wave	7102A1333000	Dipole	Reverse SMA	6G

Ant.	Port	Gain (dBi)					Remark	
		2.4G	5G	6G	BT	Zigbee		
1	1	3.53	5.51	-	-	-	Radio 1 2.4G only 2*2	Radio 2 5G 2*2
2	2	3.40	5.34	-	-	-		
3	1	3.27	5.21	5.32	-	-	Radio 3 (Scan radio) 2.4G/5G/6G 2*2	
4	2	3.47	5.05	5.10	-	-		
5	1	-	-	5.20	-	-	Radio 2 6G 2*2	
6	2	-	-	5.03	-	-		
7	1	-	-	-	4.82	4.82	-	
8	1	3.19	5.14	-	-	-	Radio 1 2.4G only 2*2	Radio 2 5G 2*2
9	2	3.27	5.13	-	-	-		
10	1	3.13	5.03	4.66	-	-	Radio 3 (Scan radio) 2.4G/5G/6G 2*2	
11	2	3.03	5.03	4.82	-	-		
12	1	-	-	5.01	-	-	Radio 2 6G 2*2	
13	2	-	-	4.89	-	-		

Note 1: The EUT has thirteen antennas.

Note 2: EUT can match with above antennas for using. Higher gain in each group of antennas was used to perform the worst configuration and result of that was recorded as the final test result.

Note 3: 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	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} S_{j,k} \right\}^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} S_{j,k} \right\}^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} S_{j,k} \right\}^2}{N_{ANT}} \right]$

For 2.4GHz function:

< Radio 1>

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

Ant. 1 (port 1) and Ant. 2 (port 2) or Ant. 8 (port 1) and Ant. 9 (port 2) could transmit/receive simultaneously.

< Radio 3><Scan>

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

Ant. 3 (port 1) and Ant. 4 (port 2) or Ant. 10 (port 1) and Ant. 11 (port 2) can be used as receiving.

For 5GHz function:

< Radio 2>

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

Ant. 1 (port 1) and Ant. 2 (port 2) or Ant. 8 (port 1) and Ant. 9 (port 2) could transmit/receive simultaneously.

< Radio 3><Scan>

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

Ant. 3 (port 1) and Ant. 4 (port 2) or Ant. 10 (port 1) and Ant. 11 (port 2) can be used as receiving.

For 6GHz function:

< Radio 2>

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

Ant. 5 (port 1) and Ant. 6 (port 2) or Ant. 12 (port 1) and Ant. 13 (port 2) could transmit/receive simultaneously.

< Radio 3><Scan>

For IEEE 802.11 ax mode (2RX)

Ant. 3 (port 1) and Ant. 4 (port 2) or Ant. 10 (port 1) and Ant. 11 (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 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
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	0.992	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20_Nss1,(MCS0)_2TX	0.998	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40_Nss1,(MCS0)_2TX	0.997	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT80_Nss1,(MCS0)_2TX	0.997	0.01	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	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40-BF_Nss1,(MCS0)_2TX	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT80-BF_Nss1,(MCS0)_2TX	1	0	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 243Kxxxxxxxxx, FAP-243Kxxxxxxxxx, FORTIAP-243Kxxxxxxxxx (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-243K was selected as representative model for the test and its data was recorded in this report.

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
AC Conduction	CO04-HY	Wayne Chiu	22.4~22.8°C / 52~57%	29/Jun/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	03CH25-HY	Lego Lin	21.4~22.7°C / 53~58%	01/Jun/2024~15/Jun/2024
Radiated (Co-location)	03CH24-HY	Henry Ho	22.5~22.7°C / 52~53%	25/Jun/2024
RF Conducted (Non-Beamforming)	TH06-HY	Peng Huang	23.4~24.3°C / 51~55%	17/Jun/2024~22/Jun/2024
RF Conducted (Beamforming)	TH06-HY	Xun Hsieh	23.5~24.3°C / 52~55%	05/Aug/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
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
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
-----------------------	------------------------------------

Non-Beamforming

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	21.5
5200MHz	23
5240MHz	23
5745MHz	23
5785MHz	23
5825MHz	23
802.11be EHT20_Nss1,(MCS0)_2TX	-
5180MHz	20.5
5200MHz	23
5240MHz	23
5745MHz	23
5785MHz	23
5825MHz	23
802.11be EHT40_Nss1,(MCS0)_2TX	-
5190MHz	14.5
5230MHz	23
5755MHz	23
5795MHz	23
802.11be EHT80_Nss1,(MCS0)_2TX	-
5210MHz	14.5
5775MHz	20

**Beamforming**

Mode	Power Setting
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	21.5
5200MHz	23
5240MHz	23
5745MHz	23
5785MHz	23
5825MHz	23
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	14.5
5230MHz	23
5755MHz	23
5795MHz	23
802.11be EHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	14.5
5775MHz	20

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	Adapter mode

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		
Operating Mode > 1GHz	CTX		
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+Bluetooth
2	Radio 1_2.4G+ Radio 2_5G+Zigbee
Refer to Sporton Test Report No.: FA411229-01 for Co-location RF Exposure Evaluation and Appendix F for Radiated Emission Co-location.	

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
Antenna 1 for 2/5GHz*2	Brand Name	AWAN	Model Name	7102A0668000
Antenna 1 for 2/5/6GHz*2	Brand Name	AWAN	Model Name	7102A0669000
Antenna 1 for 6GHz*2	Brand Name	AWAN	Model Name	7102A0667000
Antenna 2 for 2/5GHz*2	Brand Name	Master Wave	Model Name	7102A1334000
Antenna 2 for 2/5/6GHz*2	Brand Name	Master Wave	Model Name	7102A1335000
Antenna 2.for 6GHz*2	Brand Name	Master Wave	Model Name	7102A1333000

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

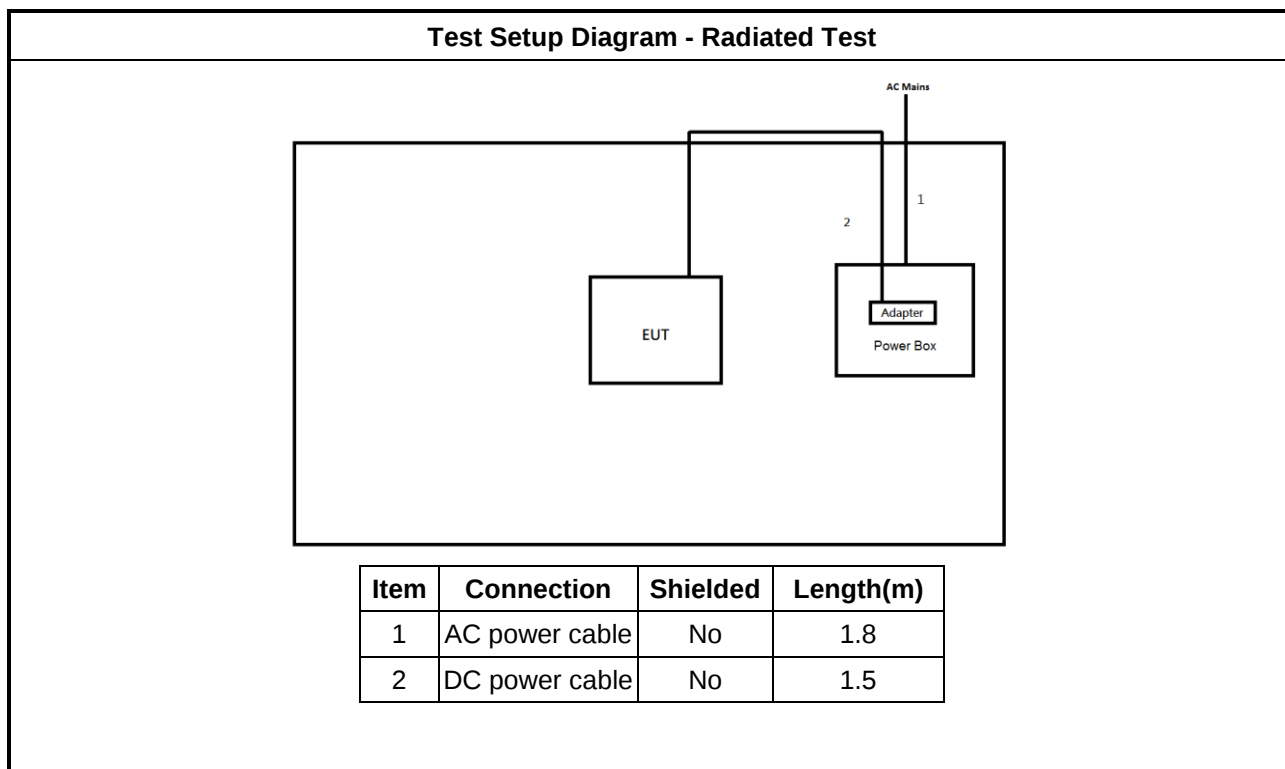
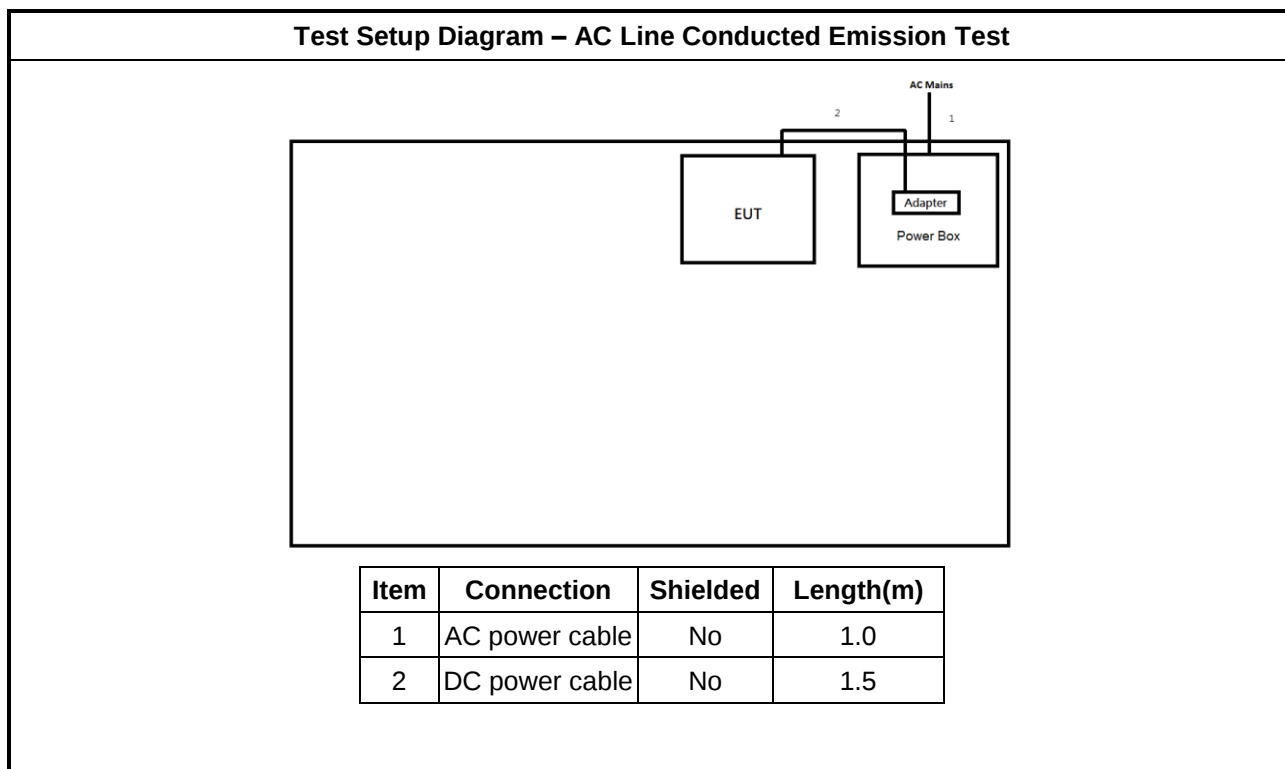
2.4 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Adapter	ASIAN POWER DEVICES INC.	WA-48A12R	-	Provided by Customer

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	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

2.5 Test Setup Diagram



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

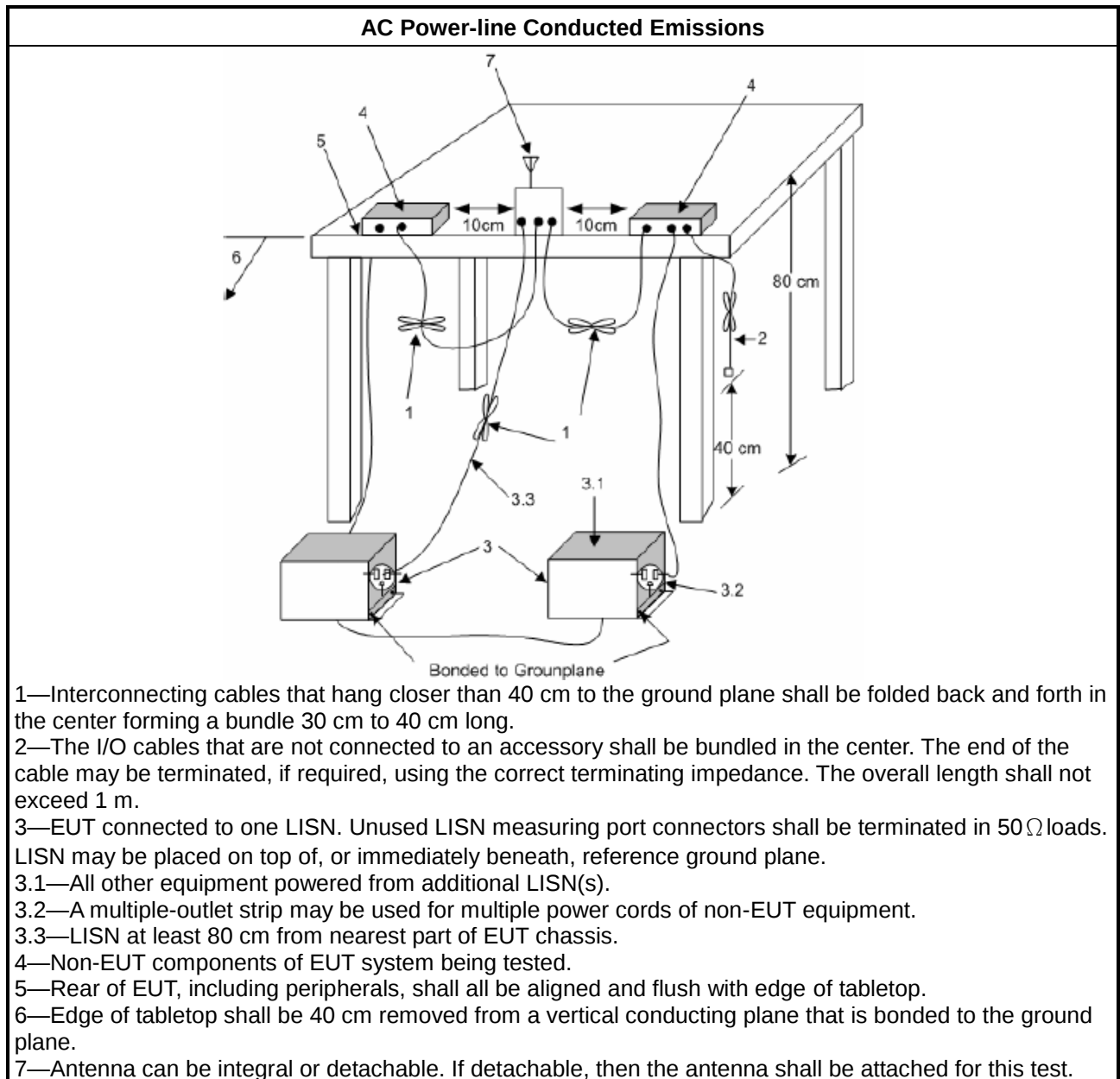
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 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.

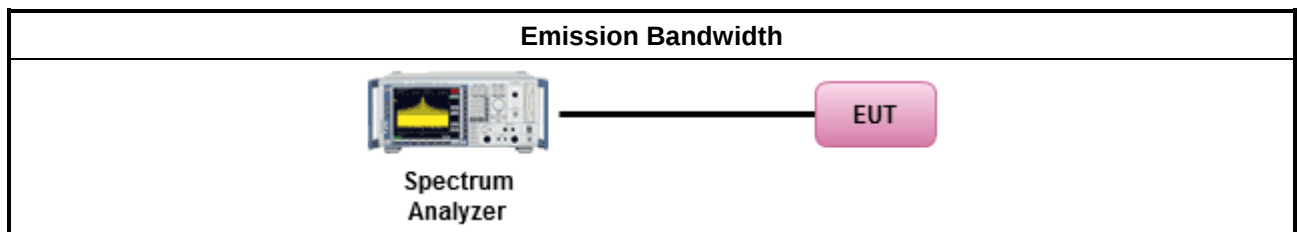
3.2.2 Measuring Instruments

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

3.2.3 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.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 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.	

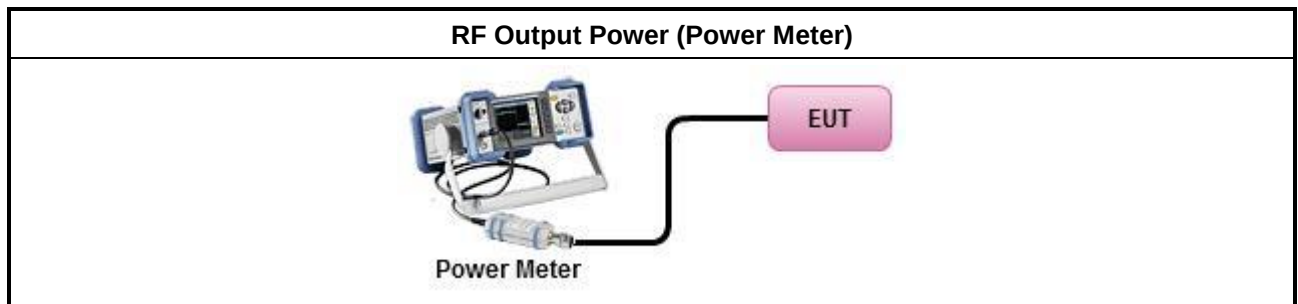
3.3.2 Measuring Instruments

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

3.3.3 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: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 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.	

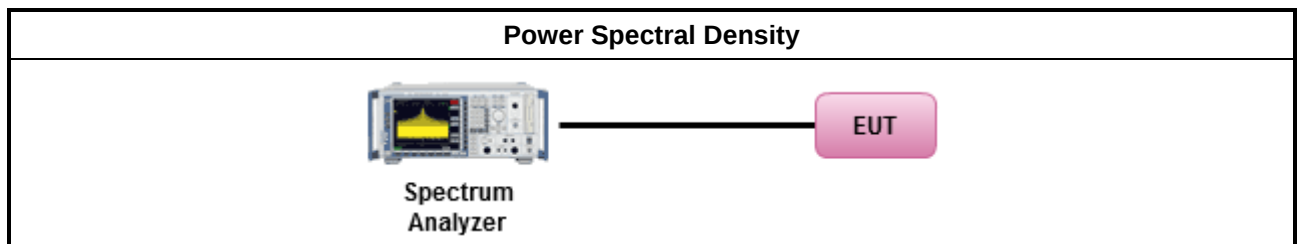
3.4.2 Measuring Instruments

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

3.4.3 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, F)5) 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]) $EIRP_{total} = PPSD_{total} + DG$	

3.4.4 Test Setup



3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 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).

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

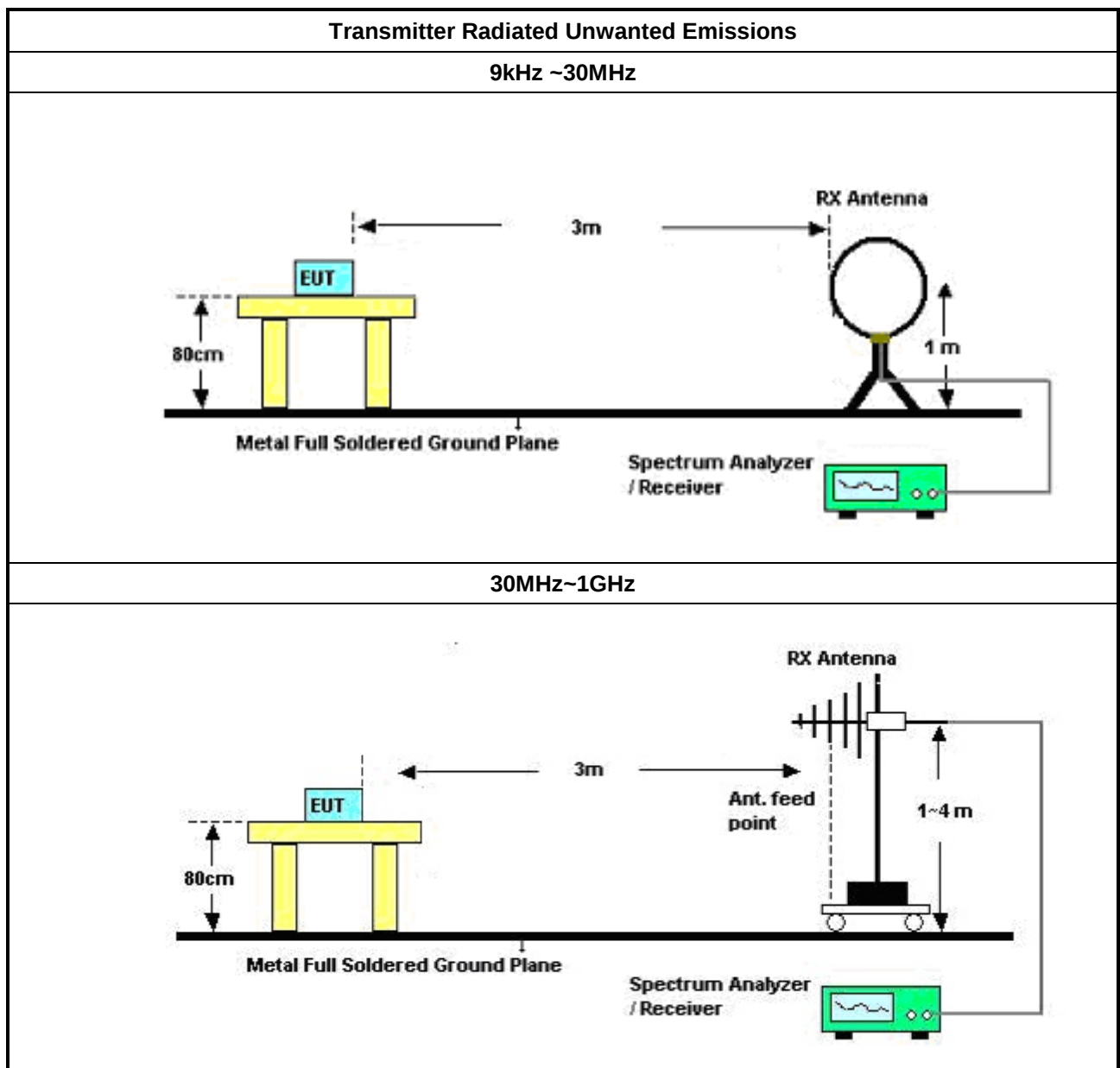
Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 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.

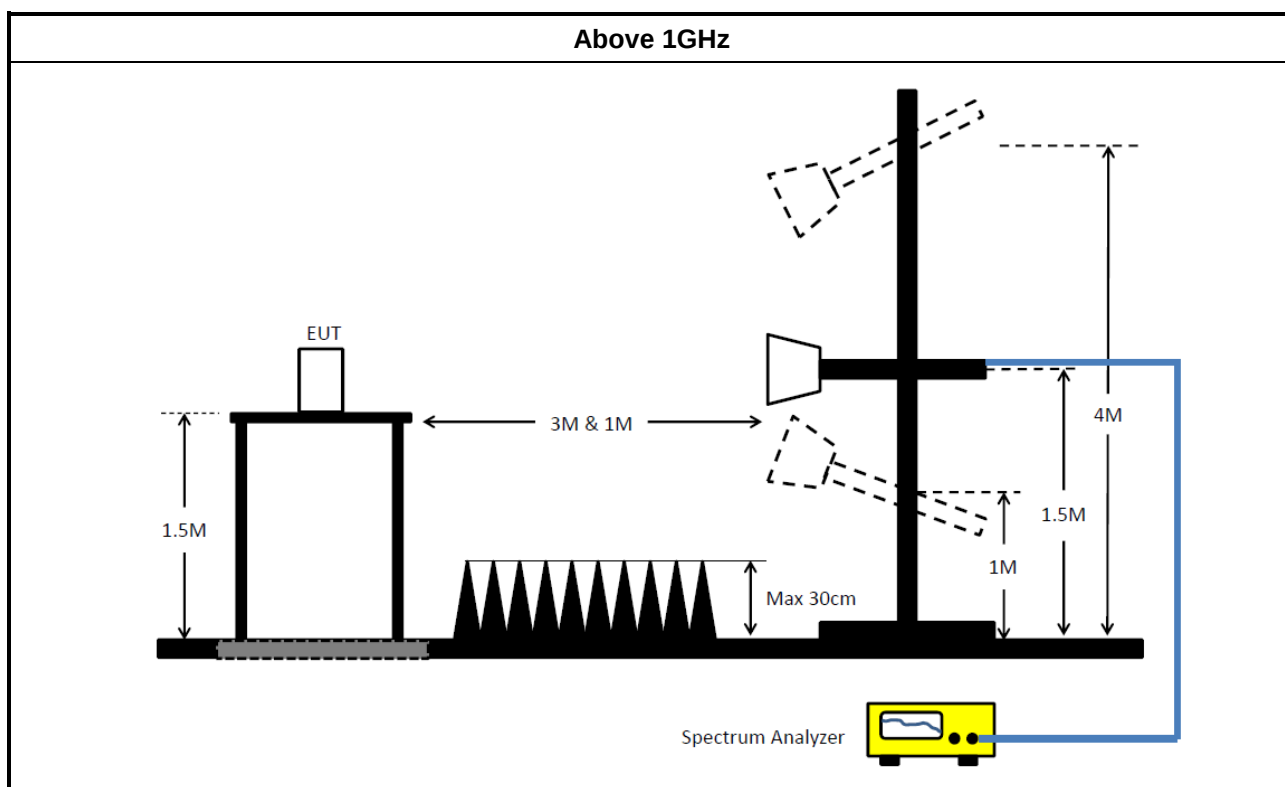
3.5.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.5 Test Setup





3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR	102051	9kHz ~ 3.6GHz	17/May/2024	16/May/2025
LISN(Artificial Mains Network)	SCHWARZBECK	NSLK 8127	8127477	9kHz ~ 30MHz	12/Apr/2024	11/Apr/2025
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	27/Feb/2024	26/Feb/2025
Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	18/Oct/2023	17/Oct/2024
Software	Sporton	SENSE-EMI	V5.11.3	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	30/Oct/2023	29/Oct/2024
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	20/Oct/2023	19/Oct/2024
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	01/Apr/2024	31/Mar/2025
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	02/Apr/2024	01/Apr/2025
SENSE-15407_NII	Sporton	V5.11.19	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	03CH25-HY	30MHz~1GHz 3m	03/Aug/2023	02/Aug/2024
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH25-HY	1GHz~18GHz 3m	09/Aug/2023	08/Aug/2024
EMI Test Receiver	ROHDE & SCHWARZ	ESR	102318	9kHz~3.6GHz	27/Dec/2023	26/Dec/2024
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101410	10Hz~44GHz	17/Nov/2023	16/Nov/2024
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	19/Mar/2024	18/Mar/2025
Bilog Antenna & 6dB Attenuator	TESEQ & VGT	CBL 6111D & VFA 04002-06	63537/001	30MHz~1GHz	30/May/2024	29/May/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02876	1GHz~18GHz	12/Jul/2023	11/Jul/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	21/Aug/2023	20/Aug/2024
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	9kHz~1GHz	24/Apr/2024	23/Apr/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	1GHz~40GHz	23/Apr/2024	22/Apr/2025
Preamplifier	SGH	PRAMP 903	20230515-1	25MHz~3GHz	24/May/2024	23/May/2025
Preamplifier	SGH	PRAMP 118-H	20230515-3	1GHz ~18GHz	24/May/2024	23/May/2025
Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	15/Apr/2024	14/Apr/2025
SENSE-15407-NII	Sporton	V5.11.18	NA	NA	NA	NA

**Instrument for Radiated Test (Co-location)**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH24-HY	30MHz~1GHz 3m	17/Aug/2023	16/Aug/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	19/Jun/2024	18/Jun/2025
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-EMI	Sporton	V5.11	N/A	N/A	N/A	N/A



Conducted Emissions at Powerline_Non-Beamforming_Radio 2 Appendix A

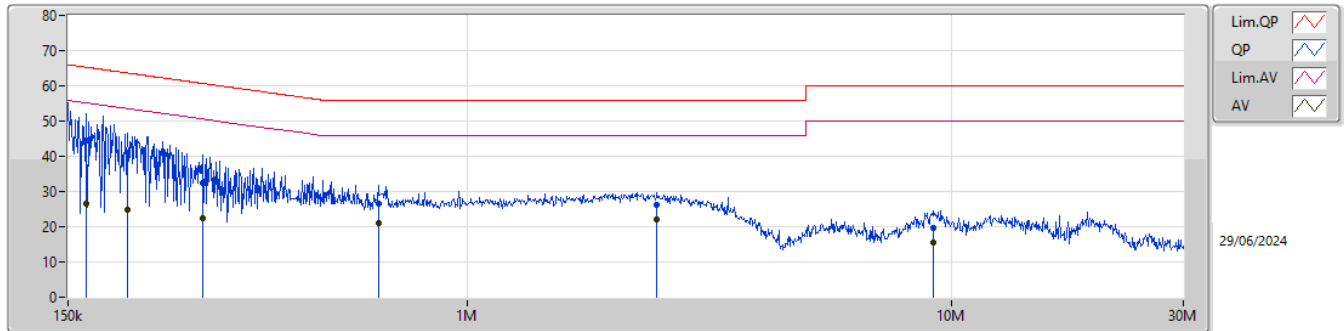
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	154.868k	45.36	65.73	-20.37	Neutral

Result

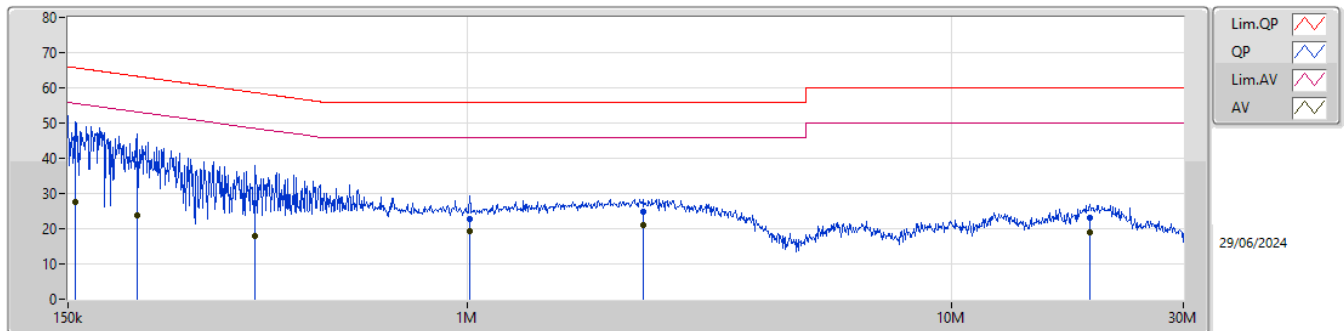
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	163.117k	44.43	65.31	-20.88	Line	-
Mode 1	Pass	AV	163.117k	26.39	55.31	-28.92	Line	-
Mode 1	Pass	QP	199.152k	40.97	63.65	-22.68	Line	-
Mode 1	Pass	AV	199.152k	24.90	53.65	-28.75	Line	-
Mode 1	Pass	QP	285.246k	32.39	60.67	-28.28	Line	-
Mode 1	Pass	AV	285.246k	22.53	50.67	-28.14	Line	-
Mode 1	Pass	QP	654.382k	26.44	56.00	-29.56	Line	-
Mode 1	Pass	AV	654.382k	21.16	46.00	-24.84	Line	-
Mode 1	Pass	QP	2.463M	26.14	56.00	-29.86	Line	-
Mode 1	Pass	AV	2.463M	21.94	46.00	-24.06	Line	-
Mode 1	Pass	QP	9.158M	19.73	60.00	-40.27	Line	-
Mode 1	Pass	AV	9.158M	15.42	50.00	-34.58	Line	-
Mode 1	Pass	QP	154.868k	45.36	65.73	-20.37	Neutral	-
Mode 1	Pass	AV	154.868k	27.68	55.73	-28.05	Neutral	-
Mode 1	Pass	QP	208.925k	38.35	63.25	-24.90	Neutral	-
Mode 1	Pass	AV	208.925k	23.68	53.25	-29.57	Neutral	-
Mode 1	Pass	QP	365.35k	27.13	58.60	-31.47	Neutral	-
Mode 1	Pass	AV	365.35k	17.77	48.60	-30.83	Neutral	-
Mode 1	Pass	QP	1.011M	22.68	56.00	-33.32	Neutral	-
Mode 1	Pass	AV	1.011M	19.22	46.00	-26.78	Neutral	-
Mode 1	Pass	QP	2.301M	24.95	56.00	-31.05	Neutral	-
Mode 1	Pass	AV	2.301M	20.93	46.00	-25.07	Neutral	-
Mode 1	Pass	QP	19.244M	23.17	60.00	-36.83	Neutral	-
Mode 1	Pass	AV	19.244M	19.04	50.00	-30.96	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	163.117k	44.43	65.31	-20.88	9.85	Line	-	34.58	0.04	0.07	9.74						
AV	163.117k	26.39	55.31	-28.92	9.85	Line	-	16.54	0.04	0.07	9.74						
QP	199.152k	40.97	63.65	-22.68	9.81	Line	-	31.16	0.04	0.09	9.68						
AV	199.152k	24.90	53.65	-28.75	9.81	Line	-	15.09	0.04	0.09	9.68						
QP	285.246k	32.39	60.67	-28.28	9.88	Line	-	22.51	0.05	0.11	9.72						
AV	285.246k	22.53	50.67	-28.14	9.88	Line	-	12.65	0.05	0.11	9.72						
QP	654.382k	26.44	56.00	-29.56	9.94	Line	-	16.50	0.06	0.10	9.78						
AV	654.382k	21.16	46.00	-24.84	9.94	Line	-	11.22	0.06	0.10	9.78						
QP	2.463M	26.14	56.00	-29.86	9.98	Line	-	16.16	0.08	0.10	9.80						
AV	2.463M	21.94	46.00	-24.06	9.98	Line	-	11.96	0.08	0.10	9.80						
QP	9.158M	19.73	60.00	-40.27	10.04	Line	-	9.69	0.20	0.05	9.79						
AV	9.158M	15.42	50.00	-34.58	10.04	Line	-	5.38	0.20	0.05	9.79						

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	154.868k	45.36	65.73	-20.37	9.88	Neutral	-	35.48	0.06	0.07	9.75						
AV	154.868k	27.68	55.73	-28.05	9.88	Neutral	-	17.80	0.06	0.07	9.75						
QP	208.925k	38.35	63.25	-24.90	9.84	Neutral	-	28.51	0.06	0.09	9.69						
AV	208.925k	23.68	53.25	-29.57	9.84	Neutral	-	13.84	0.06	0.09	9.69						
QP	365.35k	27.13	58.60	-31.47	9.94	Neutral	-	17.19	0.07	0.12	9.75						
AV	365.35k	17.77	48.60	-30.83	9.94	Neutral	-	7.83	0.07	0.12	9.75						
QP	1.011M	22.68	56.00	-33.32	9.97	Neutral	-	12.71	0.08	0.09	9.80						
AV	1.011M	19.22	46.00	-26.78	9.97	Neutral	-	9.25	0.08	0.09	9.80						
QP	2.301M	24.95	56.00	-31.05	10.00	Neutral	-	14.95	0.10	0.10	9.80						
AV	2.301M	20.93	46.00	-25.07	10.00	Neutral	-	10.93	0.10	0.10	9.80						
QP	19.244M	23.17	60.00	-36.83	10.33	Neutral	-	12.84	0.38	0.12	9.83						
AV	19.244M	19.04	50.00	-30.96	10.33	Neutral	-	8.71	0.38	0.12	9.83						

**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	34.87M	16.888M	16M9D1D	21.12M	16.646M
802.11be EHT20_Nss1,(MCS0)_2TX	31.075M	19.187M	19M2D1D	20.68M	18.97M
802.11be EHT40_Nss1,(MCS0)_2TX	54.01M	38.315M	38M3D1D	41.58M	38.049M
802.11be EHT80_Nss1,(MCS0)_2TX	82.5M	77.559M	77M6D1D	81.4M	77.446M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.555M	17.195M	17M2D1D	16.335M	16.558M
802.11be EHT20_Nss1,(MCS0)_2TX	19.195M	19.212M	19M2D1D	18.92M	19.018M
802.11be EHT40_Nss1,(MCS0)_2TX	38.17M	38.394M	38M4D1D	38.06M	37.799M
802.11be EHT80_Nss1,(MCS0)_2TX	78.32M	77.569M	77M6D1D	78.32M	77.233M

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	-	-	-	-	-	-
5180MHz	Pass	Inf	21.12M	16.646M	23.705M	16.734M
5200MHz	Pass	Inf	28.545M	16.734M	24.035M	16.712M
5240MHz	Pass	Inf	34.87M	16.888M	28.655M	16.844M
5745MHz	Pass	500k	16.5M	16.558M	16.555M	16.756M
5785MHz	Pass	500k	16.5M	16.778M	16.335M	16.668M
5825MHz	Pass	500k	16.5M	17.151M	16.555M	17.195M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.285M	18.97M	20.68M	19.017M
5200MHz	Pass	Inf	27.005M	19.062M	26.235M	19.026M
5240MHz	Pass	Inf	31.075M	19.178M	26.345M	19.187M
5745MHz	Pass	500k	19.085M	19.037M	19.195M	19.073M
5785MHz	Pass	500k	18.92M	19.018M	19.085M	19.075M
5825MHz	Pass	500k	19.03M	19.152M	19.085M	19.212M
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	42.46M	38.049M	42.79M	38.156M
5230MHz	Pass	Inf	41.58M	38.248M	54.01M	38.315M
5755MHz	Pass	500k	38.06M	38.006M	38.17M	37.799M
5795MHz	Pass	500k	38.06M	38.276M	38.06M	38.394M
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.4M	77.446M	82.5M	77.559M
5775MHz	Pass	500k	78.32M	77.569M	78.32M	77.233M

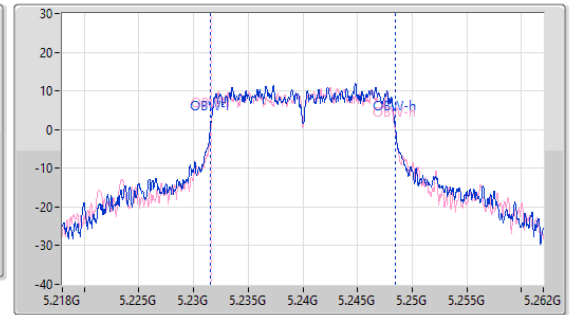
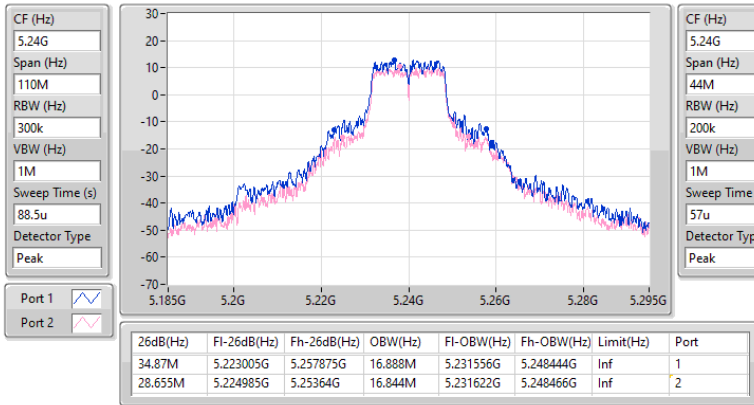
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5240MHz

17/06/2024

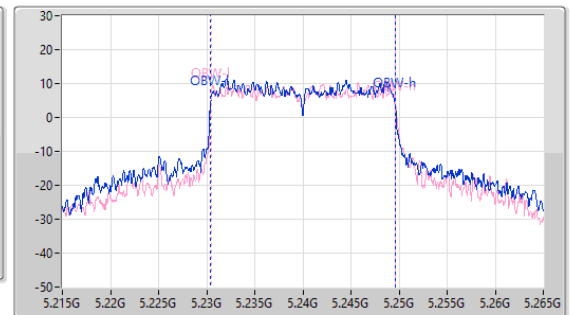
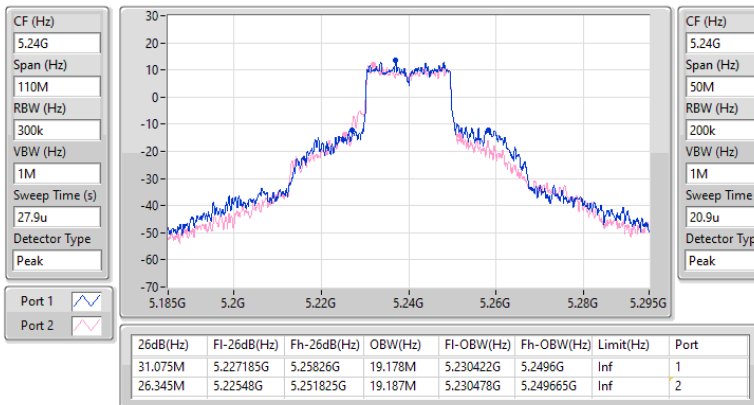


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5240MHz

19/06/2024

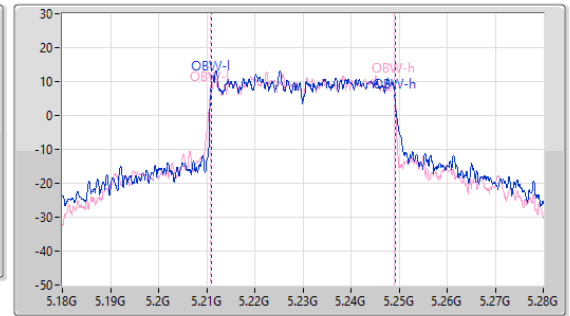
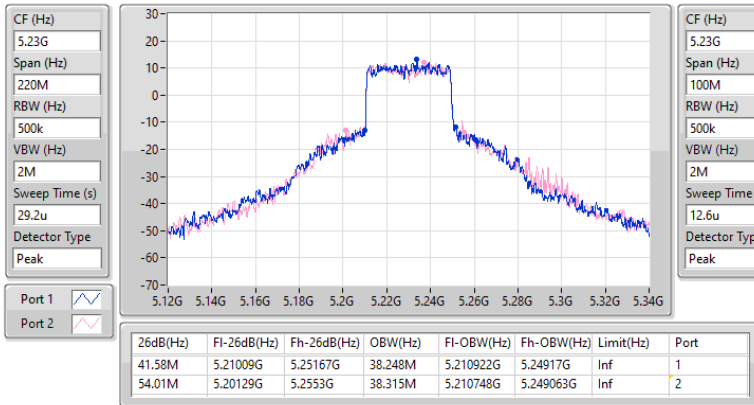


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5230MHz

19/06/2024

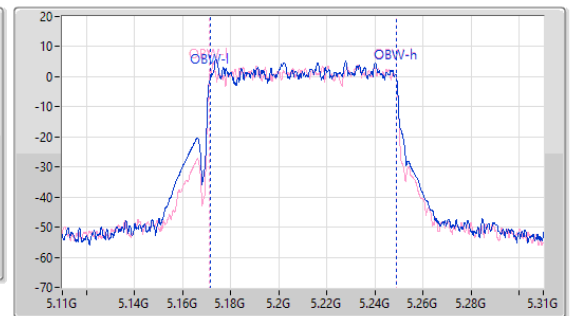
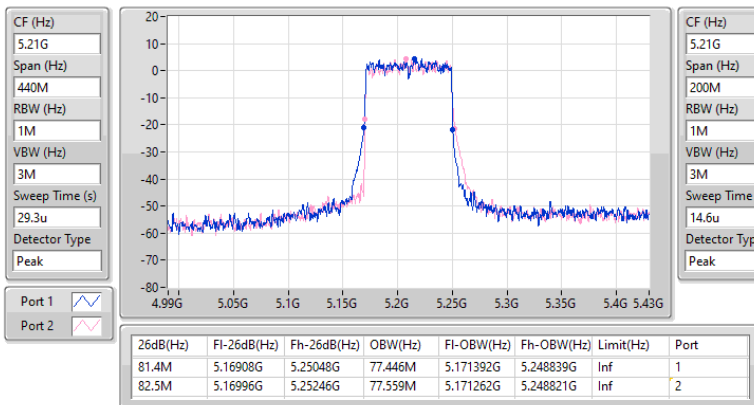


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5210MHz

19/06/2024

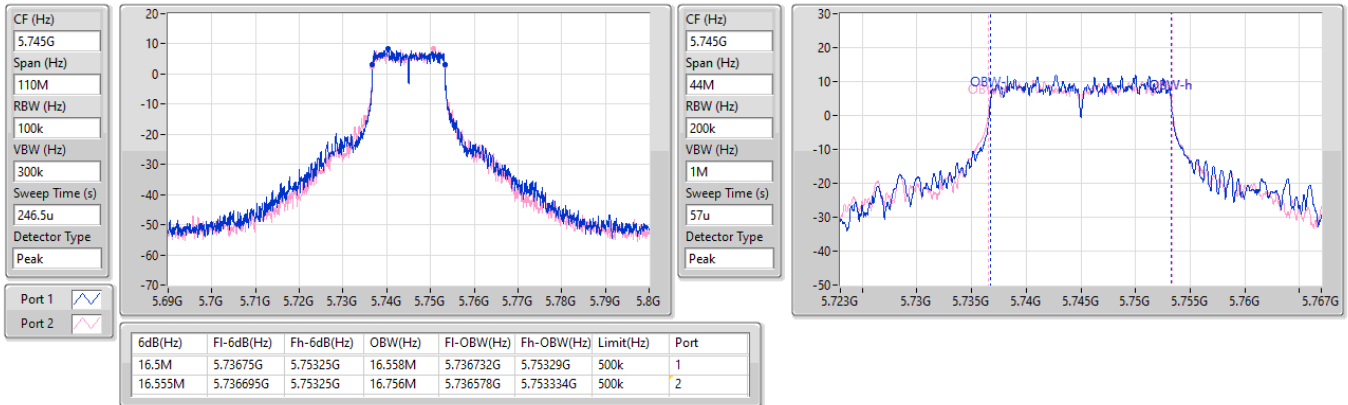


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5745MHz

17/06/2024

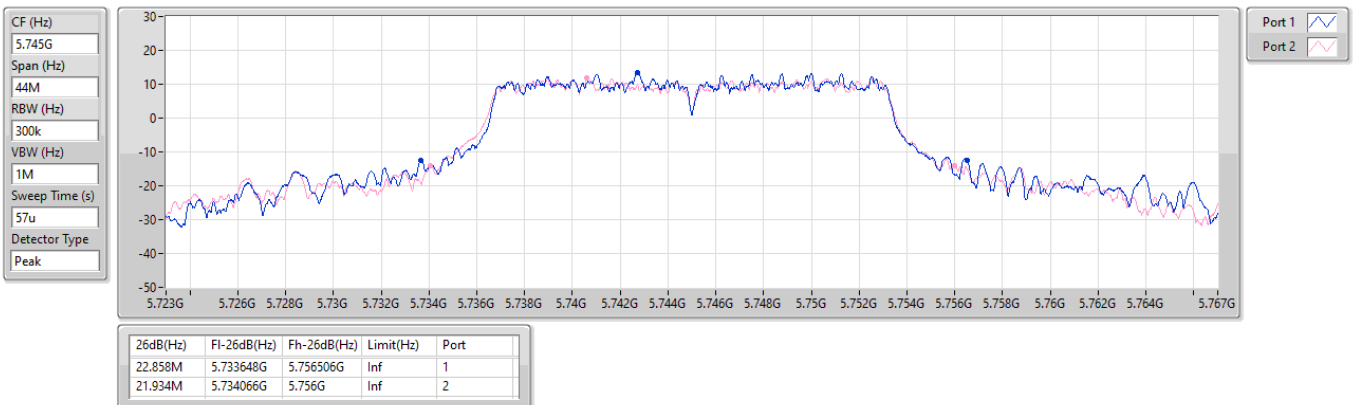


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5745MHz

17/06/2024

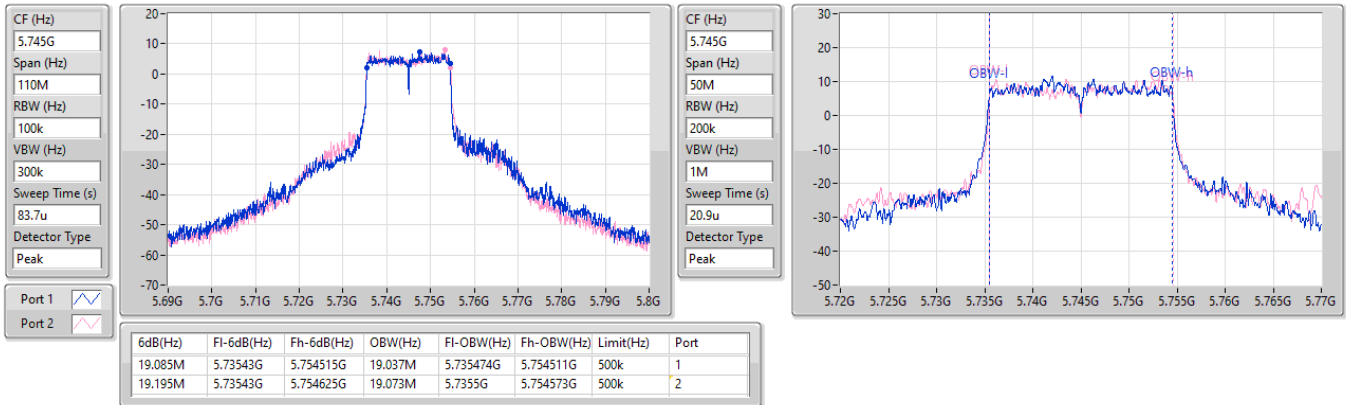


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5745MHz

19/06/2024

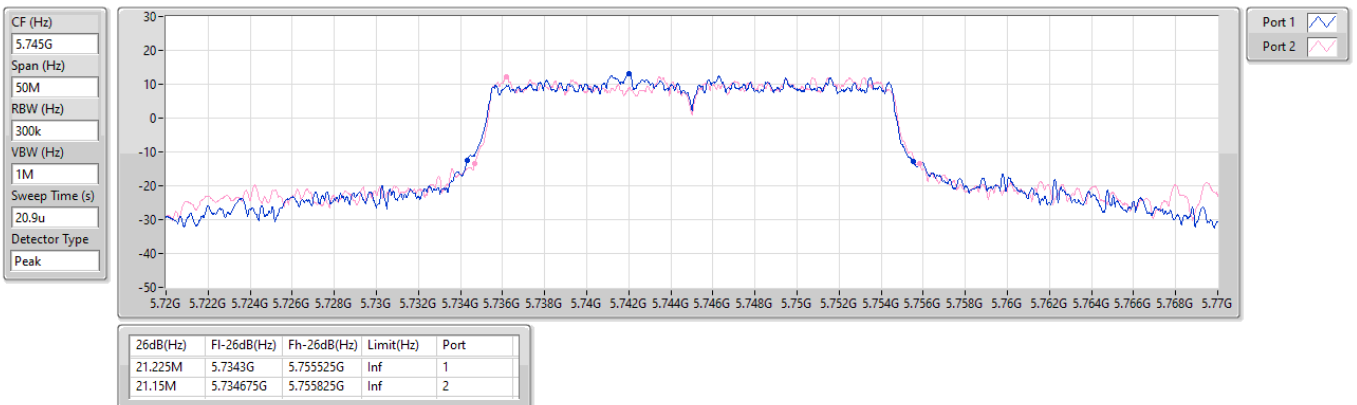


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5745MHz

19/06/2024

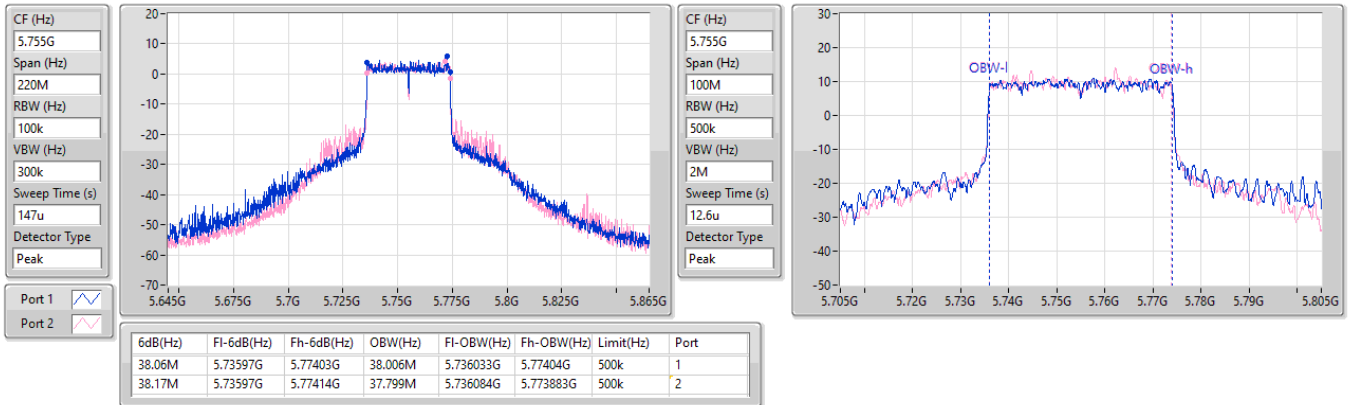


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5755MHz

19/06/2024

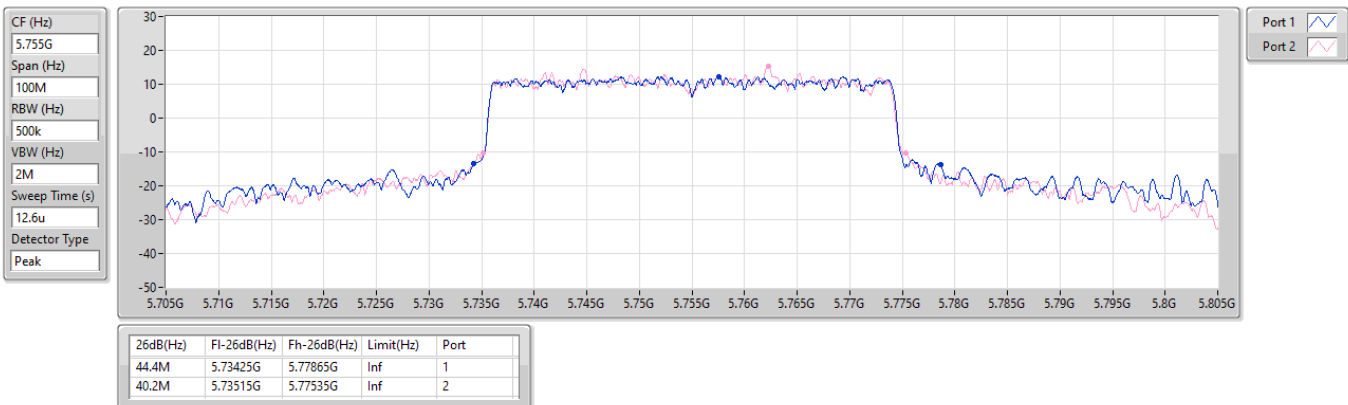


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5755MHz

19/06/2024

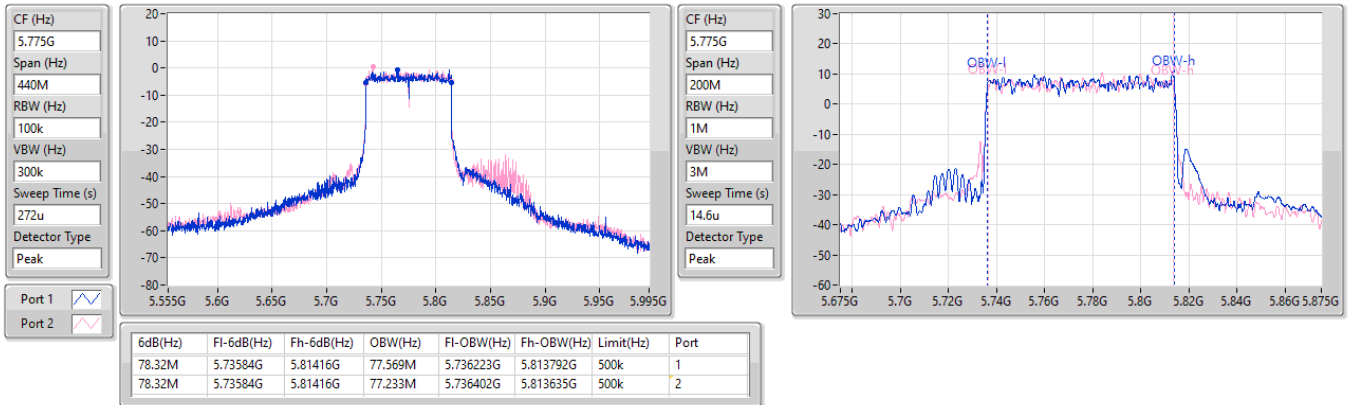


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5775MHz

19/06/2024

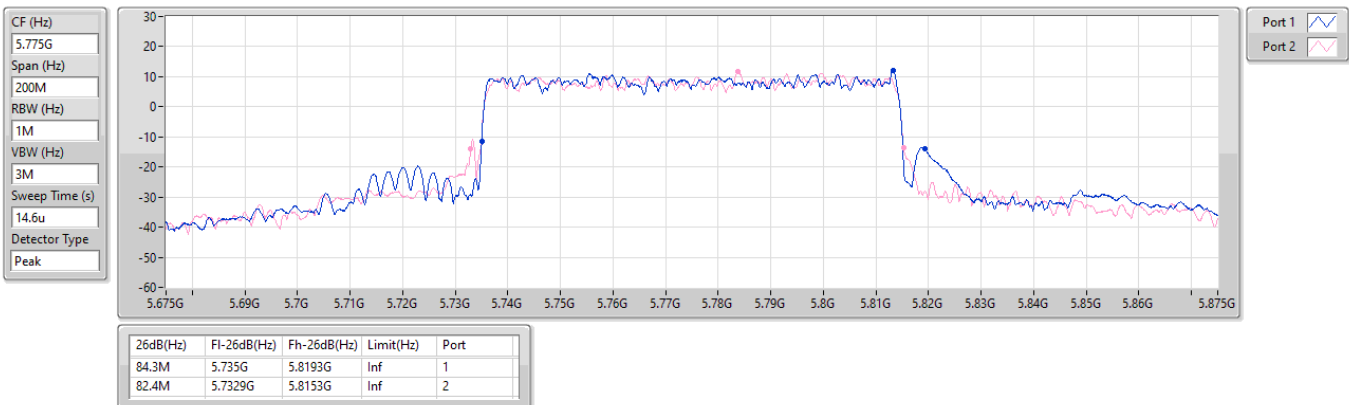


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5775MHz

19/06/2024





Average Power_Non-Beamforming_Radio 2

Appendix C.1

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	25.14	0.32659	30.65	1.16145
802.11be EHT20_Nss1,(MCS0)_2TX	24.93	0.31117	30.44	1.10662
802.11be EHT40_Nss1,(MCS0)_2TX	25.05	0.31989	30.56	1.13763
802.11be EHT80_Nss1,(MCS0)_2TX	17.53	0.05662	23.04	0.20137
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	25.02	0.31769	30.53	1.12980
802.11be EHT20_Nss1,(MCS0)_2TX	24.86	0.30620	30.37	1.08893
802.11be EHT40_Nss1,(MCS0)_2TX	24.93	0.31117	30.44	1.10662
802.11be EHT80_Nss1,(MCS0)_2TX	22.41	0.17418	27.92	0.61944



Average Power_Non-Beamforming_Radio 2

Appendix C.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	-	-	-	-	-	-	-	-
5180MHz	Pass	5.51	20.90	20.46	23.70	30.00	29.21	36.00
5200MHz	Pass	5.51	22.10	21.80	24.96	30.00	30.47	36.00
5240MHz	Pass	5.51	22.23	22.02	25.14	30.00	30.65	36.00
5745MHz	Pass	5.51	22.06	21.96	25.02	30.00	30.53	36.00
5785MHz	Pass	5.51	22.13	21.87	25.01	30.00	30.52	36.00
5825MHz	Pass	5.51	21.85	21.69	24.78	30.00	30.29	36.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.51	20.50	20.10	23.31	30.00	28.82	36.00
5200MHz	Pass	5.51	21.83	21.57	24.71	30.00	30.22	36.00
5240MHz	Pass	5.51	22.01	21.82	24.93	30.00	30.44	36.00
5745MHz	Pass	5.51	21.86	21.82	24.85	30.00	30.36	36.00
5785MHz	Pass	5.51	21.88	21.81	24.86	30.00	30.37	36.00
5825MHz	Pass	5.51	21.64	21.56	24.61	30.00	30.12	36.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.51	14.70	14.56	17.64	30.00	23.15	36.00
5230MHz	Pass	5.51	22.14	21.93	25.05	30.00	30.56	36.00
5755MHz	Pass	5.51	21.91	21.93	24.93	30.00	30.44	36.00
5795MHz	Pass	5.51	21.82	21.75	24.80	30.00	30.31	36.00
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.51	14.62	14.42	17.53	30.00	23.04	36.00
5775MHz	Pass	5.51	19.35	19.44	22.41	30.00	27.92	36.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11be EHT20-BF_Nss1,(MCS0)_2TX	24.82	0.30339	33.26	2.11836
802.11be EHT40-BF_Nss1,(MCS0)_2TX	24.92	0.31046	33.36	2.16770
802.11be EHT80-BF_Nss1,(MCS0)_2TX	17.38	0.05470	25.82	0.38194
5.725-5.85GHz	-	-	-	-
802.11be EHT20-BF_Nss1,(MCS0)_2TX	24.73	0.29717	33.17	2.07491
802.11be EHT40-BF_Nss1,(MCS0)_2TX	24.80	0.30200	33.24	2.10863
802.11be EHT80-BF_Nss1,(MCS0)_2TX	22.29	0.16943	30.73	1.18304



Average Power_Beamforming_Radio 2

Appendix C.2

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	-	-	-	-	-	-	-	-
5180MHz	Pass	8.44	20.40	19.98	23.21	27.56	31.65	36.00
5200MHz	Pass	8.44	21.69	21.42	24.57	27.56	33.01	36.00
5240MHz	Pass	8.44	21.90	21.71	24.82	27.56	33.26	36.00
5745MHz	Pass	8.44	21.73	21.71	24.73	27.56	33.17	36.00
5785MHz	Pass	8.44	21.77	21.66	24.73	27.56	33.17	36.00
5825MHz	Pass	8.44	21.52	21.46	24.50	27.56	32.94	36.00
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.44	14.55	14.42	17.50	27.56	25.94	36.00
5230MHz	Pass	8.44	22.03	21.78	24.92	27.56	33.36	36.00
5755MHz	Pass	8.44	21.79	21.79	24.80	27.56	33.24	36.00
5795MHz	Pass	8.44	21.69	21.60	24.66	27.56	33.10	36.00
802.11be EHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.44	14.47	14.27	17.38	27.56	25.82	36.00
5775MHz	Pass	8.44	19.21	19.34	22.29	27.56	30.73	36.00

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



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	12.83	21.27
802.11be EHT20_Nss1,(MCS0)_2TX	11.33	19.77
802.11be EHT40_Nss1,(MCS0)_2TX	8.56	17.00
802.11be EHT80_Nss1,(MCS0)_2TX	-2.38	6.06
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	11.13	19.57
802.11be EHT20_Nss1,(MCS0)_2TX	9.81	18.25
802.11be EHT40_Nss1,(MCS0)_2TX	7.01	15.45
802.11be EHT80_Nss1,(MCS0)_2TX	1.29	9.73

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	-	-	-	-	-	-	-	-
5180MHz	Pass	8.44	8.74	8.30	11.47	14.56	19.91	23.00
5200MHz	Pass	8.44	9.98	9.70	12.82	14.56	21.26	23.00
5240MHz	Pass	8.44	9.95	9.74	12.83	14.56	21.27	23.00
5745MHz	Pass	8.44	8.29	8.03	11.03	27.56	19.47	36.00
5785MHz	Pass	8.44	8.32	8.15	11.13	27.56	19.57	36.00
5825MHz	Pass	8.44	8.00	7.81	10.81	27.56	19.25	36.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.44	6.87	6.31	9.60	14.56	18.04	23.00
5200MHz	Pass	8.44	8.19	7.83	11.00	14.56	19.44	23.00
5240MHz	Pass	8.44	8.50	8.17	11.33	14.56	19.77	23.00
5745MHz	Pass	8.44	6.76	6.89	9.81	27.56	18.25	36.00
5785MHz	Pass	8.44	6.79	6.85	9.77	27.56	18.21	36.00
5825MHz	Pass	8.44	6.55	6.60	9.57	27.56	18.01	36.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.44	-2.14	-2.15	0.86	14.56	9.30	23.00
5230MHz	Pass	8.44	5.75	5.53	8.56	14.56	17.00	23.00
5755MHz	Pass	8.44	4.11	3.95	7.01	27.56	15.45	36.00
5795MHz	Pass	8.44	3.98	3.69	6.80	27.56	15.24	36.00
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.44	-5.26	-5.50	-2.38	14.56	6.06	23.00
5775MHz	Pass	8.44	-1.67	-1.72	1.29	27.56	9.73	36.00

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_802.11a_Nss1,(6Mbps)_2TX

PSD

5240MHz

17/06/2024

CF (Hz)
5.24G

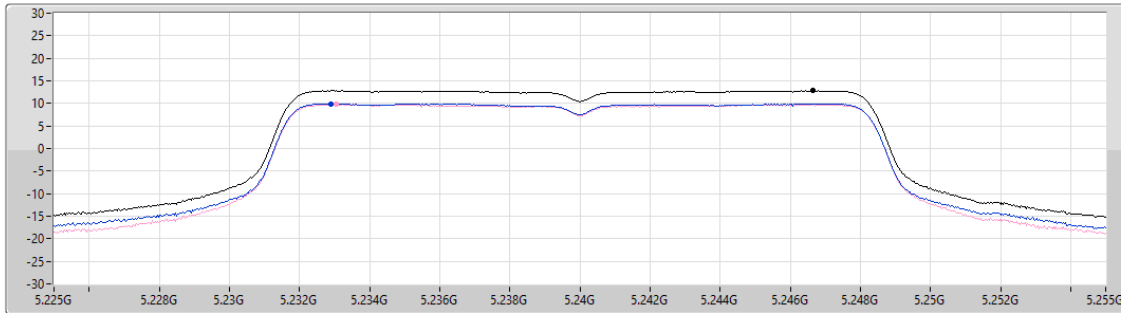
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
19.946

Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.83	12.83	9.95	9.74

Sum ☒

Port 1 ☐

Port 2 ☐

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

5240MHz

19/06/2024

CF (Hz)
5.24G

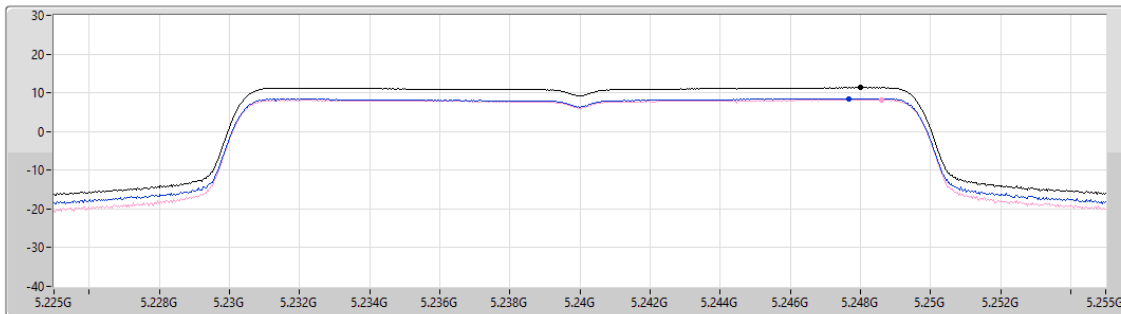
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
54.747

Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.33	11.33	8.50	8.17

Sum ☒

Port 1 ☐

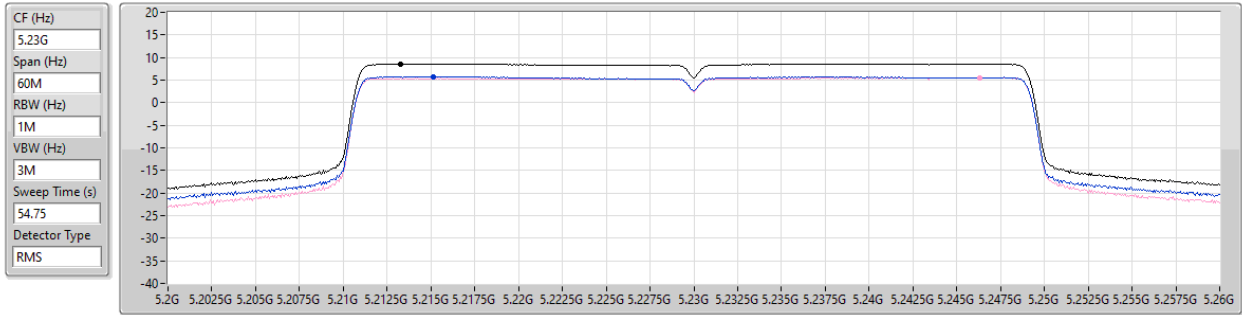
Port 2 ☐

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

PSD

5230MHz

19/06/2024



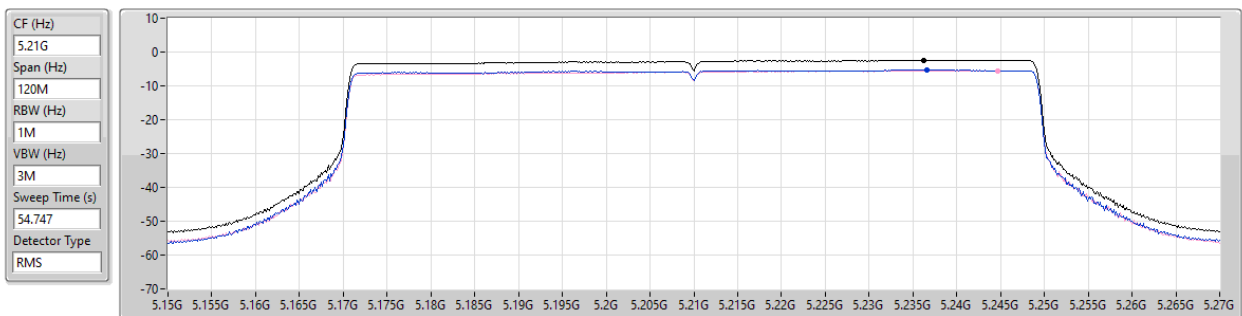
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.56	8.56	5.75	5.53

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_2TX

PSD

5210MHz

19/06/2024



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.38	-2.38	-5.26	-5.50

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

PSD

5785MHz

17/06/2024

CF (Hz)
5.785G

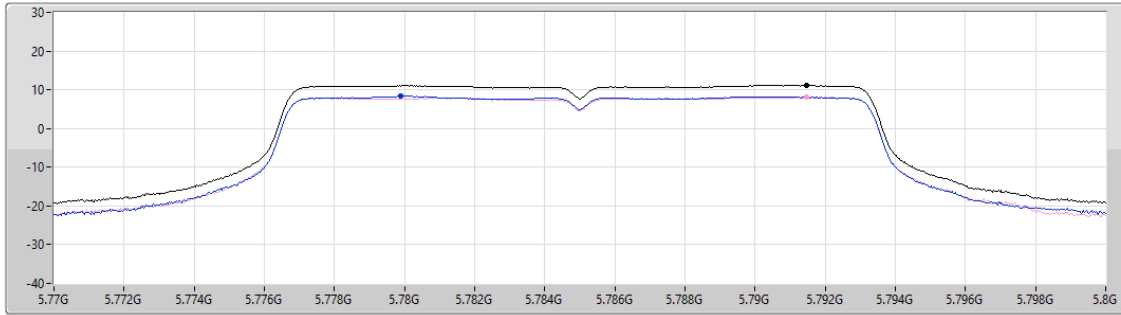
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
19.946

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)	Port 2 (dBm/Hz)
11.13	11.13	8.32	8.15

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

PSD

5745MHz

19/06/2024

CF (Hz)
5.745G

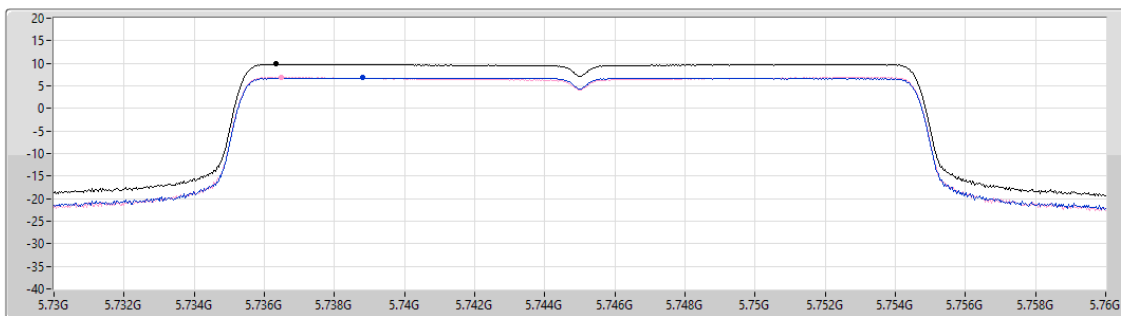
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
54.747

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)	Port 2 (dBm/Hz)
9.81	9.81	6.76	6.89

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

PSD

5755MHz

19/06/2024

CF (Hz)
5.755G

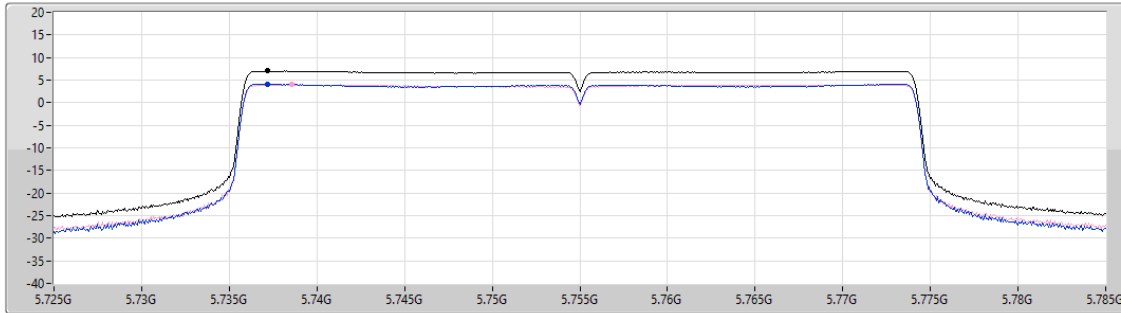
Span (Hz)
60M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
54.75

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.01	7.01	4.11	3.95

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

PSD

5775MHz

19/06/2024

CF (Hz)
5.775G

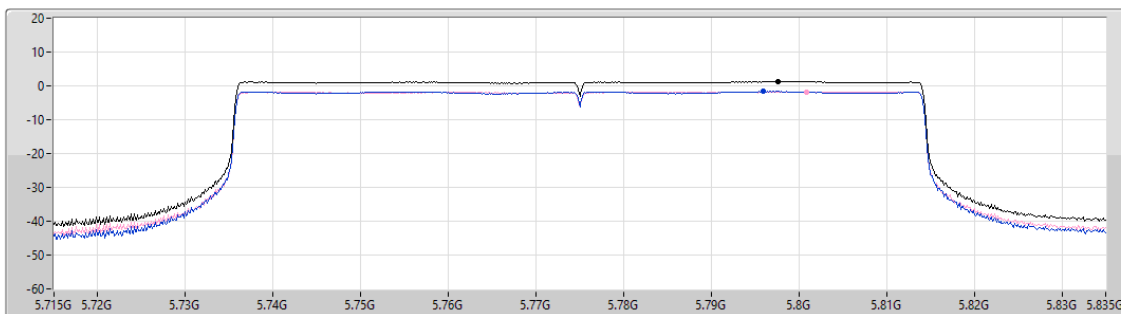
Span (Hz)
120M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
54.747

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.29	1.29	-1.67	-1.72



Summary

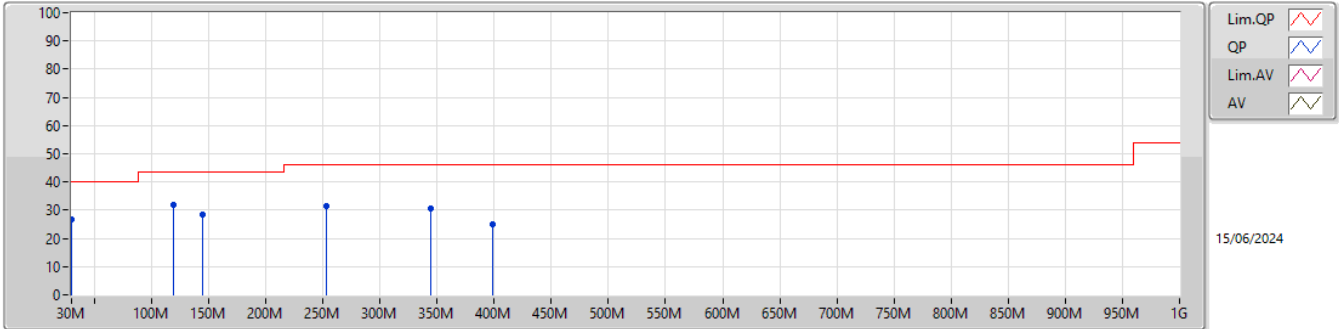
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-
802.11be EHT80_Nss1,(MCS0)_2TX	Pass	PK	33.88M	35.12	40.00	-4.88	3	Horizontal	360	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11be EHT80_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5775MHz_Adapter	Pass	PK	30M	26.90	40.00	-13.10	3	Vertical	0	1.00
5775MHz_Adapter	Pass	PK	119.24M	31.78	43.50	-11.72	3	Vertical	0	1.00
5775MHz_Adapter	Pass	PK	144.46M	28.52	43.50	-14.98	3	Vertical	0	1.00
5775MHz_Adapter	Pass	PK	253.1M	31.68	46.00	-14.32	3	Vertical	0	1.00
5775MHz_Adapter	Pass	PK	344.28M	30.75	46.00	-15.25	3	Vertical	0	1.00
5775MHz_Adapter	Pass	PK	398.6M	24.93	46.00	-21.07	3	Vertical	0	1.00
5775MHz_Adapter	Pass	PK	33.88M	35.12	40.00	-4.88	3	Horizontal	360	1.00
5775MHz_Adapter	Pass	PK	140.58M	33.72	43.50	-9.78	3	Horizontal	360	1.00
5775MHz_Adapter	Pass	PK	253.1M	37.23	46.00	-8.77	3	Horizontal	360	1.00
5775MHz_Adapter	Pass	PK	342.34M	36.43	46.00	-9.57	3	Horizontal	360	1.00
5775MHz_Adapter	Pass	PK	406.36M	24.90	46.00	-21.10	3	Horizontal	360	1.00
5775MHz_Adapter	Pass	PK	485.9M	24.54	46.00	-21.46	3	Horizontal	360	1.00

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

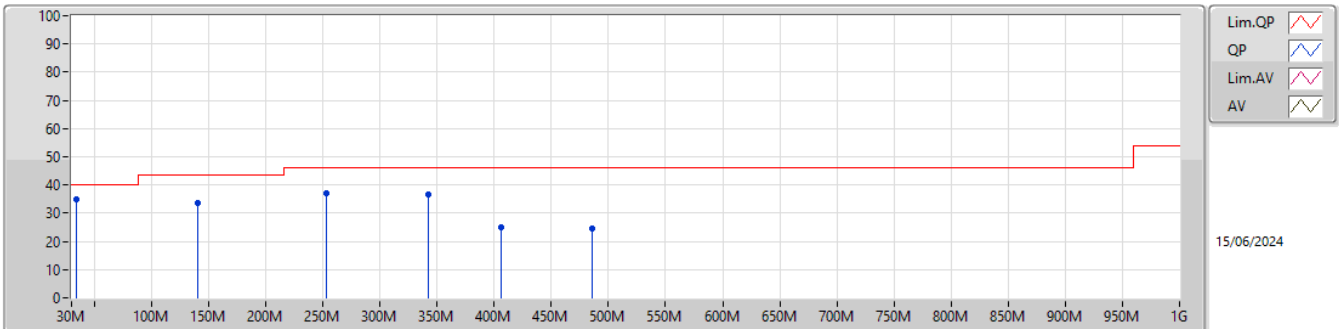
5775MHz_Adapter



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)
PK	30M	26.90	40.00	-13.10	-19.10	3	Vertical	0	1.00	46.00	24.72	0.45	44.27
PK	119.24M	31.78	43.50	-11.72	-26.21	3	Vertical	0	1.00	57.99	17.51	0.83	44.55
PK	144.46M	28.52	43.50	-14.98	-26.09	3	Vertical	0	1.00	54.61	17.49	0.99	44.57
PK	253.1M	31.68	46.00	-14.32	-24.16	3	Vertical	0	1.00	55.84	19.05	1.15	44.36
PK	344.28M	30.75	46.00	-15.25	-22.46	3	Vertical	0	1.00	53.21	20.40	1.29	44.15
PK	398.6M	24.93	46.00	-21.07	-20.65	3	Vertical	0	1.00	45.58	21.92	1.45	44.02

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

5775MHz_Adapter



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)
PK	33.88M	35.12	40.00	-4.88	-21.06	3	Horizontal	360	1.00	56.18	22.83	0.45	44.34
PK	140.58M	33.72	43.50	-9.78	-26.11	3	Horizontal	360	1.00	59.83	17.48	0.99	44.58
PK	253.1M	37.23	46.00	-8.77	-24.16	3	Horizontal	360	1.00	61.39	19.05	1.15	44.36
PK	342.34M	36.43	46.00	-9.57	-22.56	3	Horizontal	360	1.00	58.99	20.32	1.28	44.16
PK	406.36M	24.90	46.00	-21.10	-20.31	3	Horizontal	360	1.00	45.21	22.24	1.46	44.01
PK	485.9M	24.54	46.00	-21.46	-18.45	3	Horizontal	360	1.00	42.99	23.83	1.61	43.89

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.15G	53.31	54.00	-0.69	3	Vertical	346	1.56
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	PK	5.1484G	73.80	74.00	-0.20	3	Vertical	345	1.50
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	PK	5.1488G	73.52	74.00	-0.48	3	Vertical	343	1.50
802.11be EHT80_Nss1,(MCS0)_2TX	Pass	AV	5.148G	53.68	54.00	-0.32	3	Vertical	344	1.34
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.445G	46.39	54.00	-7.61	3	Vertical	324	1.27
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	AV	5.445G	45.90	54.00	-8.10	3	Vertical	323	1.20
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	PK	5.6506G	62.63	68.64	-6.01	3	Vertical	24	1.14
802.11be EHT80_Nss1,(MCS0)_2TX	Pass	PK	5.6502G	68.20	68.35	-0.15	3	Vertical	25	1.12

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	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.15G	53.31	54.00	-0.69	3	Vertical	346	1.56
5180MHz	Pass	AV	5.1846G	109.37	Inf	-Inf	3	Vertical	346	1.56
5180MHz	Pass	PK	5.1498G	70.92	74.00	-3.08	3	Vertical	346	1.56
5180MHz	Pass	PK	5.1846G	118.80	Inf	-Inf	3	Vertical	346	1.56
5180MHz	Pass	AV	5.148G	44.19	54.00	-9.81	3	Horizontal	143	1.50
5180MHz	Pass	AV	5.1728G	94.31	Inf	-Inf	3	Horizontal	143	1.50
5180MHz	Pass	PK	5.1468G	59.12	74.00	-14.88	3	Horizontal	143	1.50
5180MHz	Pass	PK	5.1776G	103.92	Inf	-Inf	3	Horizontal	143	1.50
5180MHz	Pass	AV	15.54252G	38.06	54.00	-15.94	3	Horizontal	23	1.21
5180MHz	Pass	PK	10.34788G	48.47	68.20	-19.73	3	Horizontal	259	1.50
5180MHz	Pass	PK	15.54396G	50.65	74.00	-23.35	3	Horizontal	23	1.21
5180MHz	Pass	AV	15.54114G	38.24	54.00	-15.76	3	Vertical	184	2.23
5180MHz	Pass	PK	10.3474G	48.49	68.20	-19.71	3	Vertical	200	1.49
5180MHz	Pass	PK	15.54882G	50.74	74.00	-23.26	3	Vertical	184	2.23
5200MHz	Pass	AV	5.1492G	47.24	54.00	-6.76	3	Vertical	345	1.57
5200MHz	Pass	AV	5.194G	109.79	Inf	-Inf	3	Vertical	345	1.57
5200MHz	Pass	PK	5.1496G	62.13	74.00	-11.87	3	Vertical	345	1.57
5200MHz	Pass	PK	5.1944G	119.12	Inf	-Inf	3	Vertical	345	1.57
5200MHz	Pass	AV	5.1392G	43.16	54.00	-10.84	3	Horizontal	143	1.45
5200MHz	Pass	AV	5.1928G	95.04	Inf	-Inf	3	Horizontal	143	1.45
5200MHz	Pass	PK	5.1428G	55.83	74.00	-18.17	3	Horizontal	143	1.45
5200MHz	Pass	PK	5.1976G	104.74	Inf	-Inf	3	Horizontal	143	1.45
5200MHz	Pass	AV	15.59058G	38.26	54.00	-15.74	3	Horizontal	329	1.50
5200MHz	Pass	PK	10.39286G	49.12	68.20	-19.08	3	Horizontal	30	1.98
5200MHz	Pass	PK	15.59262G	51.17	74.00	-22.83	3	Horizontal	329	1.50
5200MHz	Pass	AV	15.59652G	38.56	54.00	-15.44	3	Vertical	53	2.90
5200MHz	Pass	PK	10.40006G	49.64	68.20	-18.56	3	Vertical	200	1.50
5200MHz	Pass	PK	15.6018G	52.12	74.00	-21.88	3	Vertical	53	2.90
5240MHz	Pass	AV	5.0912G	44.21	54.00	-9.79	3	Vertical	344	1.50
5240MHz	Pass	AV	5.2334G	110.20	Inf	-Inf	3	Vertical	344	1.50
5240MHz	Pass	AV	5.3864G	44.84	54.00	-9.16	3	Vertical	344	1.50
5240MHz	Pass	PK	5.1356G	56.79	74.00	-17.21	3	Vertical	344	1.50
5240MHz	Pass	PK	5.2436G	119.37	Inf	-Inf	3	Vertical	344	1.50
5240MHz	Pass	PK	5.3852G	57.31	74.00	-16.69	3	Vertical	344	1.50
5240MHz	Pass	AV	5.135G	43.03	54.00	-10.97	3	Horizontal	141	1.50
5240MHz	Pass	AV	5.2472G	95.04	Inf	-Inf	3	Horizontal	141	1.50
5240MHz	Pass	AV	5.35G	43.66	54.00	-10.34	3	Horizontal	141	1.50
5240MHz	Pass	PK	5.1206G	56.52	74.00	-17.48	3	Horizontal	141	1.50
5240MHz	Pass	PK	5.2472G	104.24	Inf	-Inf	3	Horizontal	141	1.50
5240MHz	Pass	PK	5.3846G	56.17	74.00	-17.83	3	Horizontal	141	1.50
5240MHz	Pass	AV	15.71142G	37.74	54.00	-16.26	3	Horizontal	48	1.27
5240MHz	Pass	PK	10.4677G	49.69	68.20	-18.51	3	Horizontal	312	2.38
5240MHz	Pass	PK	15.7224G	49.95	74.00	-24.05	3	Horizontal	48	1.27
5240MHz	Pass	AV	15.72102G	39.32	54.00	-14.68	3	Vertical	169	3.00
5240MHz	Pass	PK	10.47994G	49.40	68.20	-18.80	3	Vertical	164	1.26
5240MHz	Pass	PK	15.72612G	52.73	74.00	-21.27	3	Vertical	169	3.00
5745MHz	Pass	AV	5.445G	46.39	54.00	-7.61	3	Vertical	324	1.27
5745MHz	Pass	AV	5.7402G	110.35	Inf	-Inf	3	Vertical	324	1.27
5745MHz	Pass	PK	5.5926G	59.41	68.20	-8.79	3	Vertical	324	1.27
5745MHz	Pass	PK	5.7402G	119.43	Inf	-Inf	3	Vertical	324	1.27
5745MHz	Pass	PK	5.985G	58.14	68.20	-10.06	3	Vertical	324	1.27
5745MHz	Pass	AV	5.4474G	42.92	54.00	-11.08	3	Horizontal	218	1.71
5745MHz	Pass	AV	5.7378G	93.94	Inf	-Inf	3	Horizontal	218	1.71
5745MHz	Pass	PK	5.5542G	56.56	68.20	-11.64	3	Horizontal	218	1.71
5745MHz	Pass	PK	5.7426G	103.75	Inf	-Inf	3	Horizontal	218	1.71
5745MHz	Pass	PK	6.0342G	58.59	68.20	-9.61	3	Horizontal	218	1.71
5745MHz	Pass	AV	11.48688G	37.23	54.00	-16.77	3	Horizontal	29	1.50
5745MHz	Pass	PK	11.49294G	49.34	74.00	-24.66	3	Horizontal	29	1.50
5745MHz	Pass	PK	17.24676G	49.23	68.20	-18.97	3	Horizontal	360	1.50
5745MHz	Pass	AV	11.48994G	37.94	54.00	-16.06	3	Vertical	200	1.10

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5745MHz	Pass	PK	11.4906G	49.83	74.00	-24.17	3	Vertical	200	1.10
5745MHz	Pass	PK	17.2497G	49.98	68.20	-18.22	3	Vertical	244	1.93
5785MHz	Pass	AV	5.7898G	110.00	Inf	-Inf	3	Vertical	323	1.50
5785MHz	Pass	PK	5.6266G	59.49	68.20	-8.71	3	Vertical	323	1.50
5785MHz	Pass	PK	5.7898G	119.53	Inf	-Inf	3	Vertical	323	1.50
5785MHz	Pass	PK	5.9374G	59.13	68.20	-9.07	3	Vertical	323	1.50
5785MHz	Pass	AV	5.7922G	93.09	Inf	-Inf	3	Horizontal	218	1.79
5785MHz	Pass	PK	5.593G	56.93	68.20	-11.27	3	Horizontal	218	1.79
5785MHz	Pass	PK	5.7922G	102.50	Inf	-Inf	3	Horizontal	218	1.79
5785MHz	Pass	PK	5.9278G	58.59	68.20	-9.61	3	Horizontal	218	1.79
5785MHz	Pass	AV	11.57546G	37.10	54.00	-16.90	3	Horizontal	129	2.61
5785MHz	Pass	PK	11.57984G	50.82	74.00	-23.18	3	Horizontal	129	2.61
5785MHz	Pass	PK	17.36922G	51.25	68.20	-16.95	3	Horizontal	320	1.50
5785MHz	Pass	AV	11.57114G	39.52	54.00	-14.48	3	Vertical	73	2.06
5785MHz	Pass	PK	11.57174G	51.47	74.00	-22.53	3	Vertical	73	2.06
5785MHz	Pass	PK	17.36376G	49.80	68.20	-18.40	3	Vertical	28	1.50
5825MHz	Pass	AV	5.819G	109.78	Inf	-Inf	3	Vertical	322	1.50
5825MHz	Pass	PK	5.5502G	57.44	68.20	-10.76	3	Vertical	322	1.50
5825MHz	Pass	PK	5.819G	119.07	Inf	-Inf	3	Vertical	322	1.50
5825MHz	Pass	PK	5.9378G	58.52	68.20	-9.68	3	Vertical	322	1.50
5825MHz	Pass	AV	5.8286G	94.05	Inf	-Inf	3	Horizontal	52	2.29
5825MHz	Pass	PK	5.639G	56.91	68.20	-11.29	3	Horizontal	52	2.29
5825MHz	Pass	PK	5.8286G	103.24	Inf	-Inf	3	Horizontal	52	2.29
5825MHz	Pass	PK	6.0182G	58.15	68.20	-10.05	3	Horizontal	52	2.29
5825MHz	Pass	AV	11.66008G	36.71	54.00	-17.29	3	Horizontal	136	1.50
5825MHz	Pass	PK	11.6596G	49.45	74.00	-24.55	3	Horizontal	136	1.50
5825MHz	Pass	PK	17.47032G	50.28	68.20	-17.92	3	Horizontal	84	1.50
5825MHz	Pass	AV	11.65768G	36.83	54.00	-17.17	3	Vertical	196	1.50
5825MHz	Pass	PK	11.65774G	49.68	74.00	-24.32	3	Vertical	196	1.50
5825MHz	Pass	PK	17.47422G	50.24	68.20	-17.96	3	Vertical	192	1.50
802.11be EHT20_Nss1(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.15G	47.16	54.00	-6.84	3	Vertical	345	1.50
5180MHz	Pass	AV	5.1768G	107.33	Inf	-Inf	3	Vertical	345	1.50
5180MHz	Pass	PK	5.1484G	73.80	74.00	-0.20	3	Vertical	345	1.50
5180MHz	Pass	PK	5.1772G	119.86	Inf	-Inf	3	Vertical	345	1.50
5180MHz	Pass	AV	5.15G	41.30	54.00	-12.70	3	Horizontal	144	1.50
5180MHz	Pass	AV	5.1716G	92.12	Inf	-Inf	3	Horizontal	144	1.50
5180MHz	Pass	PK	5.15G	57.75	74.00	-16.25	3	Horizontal	144	1.50
5180MHz	Pass	PK	5.172G	103.71	Inf	-Inf	3	Horizontal	144	1.50
5180MHz	Pass	AV	15.5418G	38.04	54.00	-15.96	3	Horizontal	232	1.50
5180MHz	Pass	PK	10.3747G	49.08	68.20	-19.12	3	Horizontal	110	2.20
5180MHz	Pass	PK	15.53724G	50.85	74.00	-23.15	3	Horizontal	232	1.50
5180MHz	Pass	AV	15.5427G	38.00	54.00	-16.00	3	Vertical	291	1.50
5180MHz	Pass	PK	10.36174G	48.42	68.20	-19.78	3	Vertical	203	1.03
5180MHz	Pass	PK	15.5409G	50.99	74.00	-23.01	3	Vertical	291	1.50
5200MHz	Pass	AV	5.15G	46.38	54.00	-7.62	3	Vertical	345	1.50
5200MHz	Pass	AV	5.1964G	109.24	Inf	-Inf	3	Vertical	345	1.50
5200MHz	Pass	PK	5.1488G	62.85	74.00	-11.15	3	Vertical	345	1.50
5200MHz	Pass	PK	5.1964G	121.05	Inf	-Inf	3	Vertical	345	1.50
5200MHz	Pass	AV	5.1444G	43.51	54.00	-10.49	3	Horizontal	143	1.50
5200MHz	Pass	AV	5.2088G	94.32	Inf	-Inf	3	Horizontal	143	1.50
5200MHz	Pass	PK	5.1484G	56.25	74.00	-17.75	3	Horizontal	143	1.50
5200MHz	Pass	PK	5.2068G	106.19	Inf	-Inf	3	Horizontal	143	1.50
5200MHz	Pass	AV	15.58542G	38.17	54.00	-15.83	3	Horizontal	264	1.71
5200MHz	Pass	PK	10.40576G	48.74	68.20	-19.46	3	Horizontal	343	1.01
5200MHz	Pass	PK	15.59142G	50.87	74.00	-23.13	3	Horizontal	264	1.71
5200MHz	Pass	AV	15.58584G	38.44	54.00	-15.56	3	Vertical	136	1.50
5200MHz	Pass	PK	10.38692G	48.58	68.20	-19.62	3	Vertical	202	1.50
5200MHz	Pass	PK	15.5994G	51.15	74.00	-22.85	3	Vertical	136	1.50
5240MHz	Pass	AV	5.1494G	44.24	54.00	-9.76	3	Vertical	344	1.50
5240MHz	Pass	AV	5.2352G	109.56	Inf	-Inf	3	Vertical	344	1.50
5240MHz	Pass	AV	5.3858G	44.72	54.00	-9.28	3	Vertical	344	1.50



RSE TX above 1GHz Non-Beamforming Radio 2

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5240MHz	Pass	PK	5.1296G	56.32	74.00	-17.68	3	Vertical	344	1.50
5240MHz	Pass	PK	5.237G	121.06	Inf	-Inf	3	Vertical	344	1.50
5240MHz	Pass	PK	5.3804G	57.57	74.00	-16.43	3	Vertical	344	1.50
5240MHz	Pass	AV	5.1356G	43.31	54.00	-10.69	3	Horizontal	141	1.50
5240MHz	Pass	AV	5.2484G	94.28	Inf	-Inf	3	Horizontal	141	1.50
5240MHz	Pass	AV	5.351G	43.70	54.00	-10.30	3	Horizontal	141	1.50
5240MHz	Pass	PK	5.1386G	56.97	74.00	-17.03	3	Horizontal	141	1.50
5240MHz	Pass	PK	5.249G	106.79	Inf	-Inf	3	Horizontal	141	1.50
5240MHz	Pass	PK	5.3876G	56.94	74.00	-17.06	3	Horizontal	141	1.50
5240MHz	Pass	AV	15.7086G	37.64	54.00	-16.36	3	Horizontal	0	1.50
5240MHz	Pass	PK	10.47352G	48.15	68.20	-20.05	3	Horizontal	360	3.00
5240MHz	Pass	PK	15.73092G	50.08	74.00	-23.92	3	Horizontal	0	1.50
5240MHz	Pass	AV	15.72156G	39.08	54.00	-14.92	3	Vertical	186	2.94
5240MHz	Pass	PK	10.48018G	49.40	68.20	-18.80	3	Vertical	165	1.49
5240MHz	Pass	PK	15.72306G	54.10	74.00	-19.90	3	Vertical	186	2.94
5745MHz	Pass	AV	5.445G	45.90	54.00	-8.10	3	Vertical	323	1.20
5745MHz	Pass	AV	5.7438G	109.24	Inf	-Inf	3	Vertical	323	1.20
5745MHz	Pass	PK	5.595G	59.04	68.20	-9.16	3	Vertical	323	1.20
5745MHz	Pass	PK	5.7426G	120.98	Inf	-Inf	3	Vertical	323	1.20
5745MHz	Pass	PK	6.003G	58.27	68.20	-9.93	3	Vertical	323	1.20
5745MHz	Pass	AV	5.4546G	43.05	54.00	-10.95	3	Horizontal	218	1.70
5745MHz	Pass	AV	5.7366G	93.33	Inf	-Inf	3	Horizontal	218	1.70
5745MHz	Pass	PK	5.6166G	56.90	68.20	-11.30	3	Horizontal	218	1.70
5745MHz	Pass	PK	5.7366G	105.81	Inf	-Inf	3	Horizontal	218	1.70
5745MHz	Pass	PK	5.9742G	58.20	68.20	-10.00	3	Horizontal	218	1.70
5745MHz	Pass	AV	11.48932G	37.05	54.00	-16.95	3	Vertical	198	1.28
5745MHz	Pass	PK	11.48962G	50.42	74.00	-23.58	3	Vertical	198	1.28
5745MHz	Pass	PK	17.23421G	50.57	68.20	-17.63	3	Vertical	175	1.49
5745MHz	Pass	AV	11.49084G	37.11	54.00	-16.89	3	Horizontal	156	2.30
5745MHz	Pass	PK	11.49672G	50.23	74.00	-23.77	3	Horizontal	156	2.30
5745MHz	Pass	PK	17.23563G	50.14	68.20	-18.06	3	Horizontal	40	2.21
5785MHz	Pass	AV	5.7922G	109.12	Inf	-Inf	3	Vertical	27	1.50
5785MHz	Pass	PK	5.623G	59.95	68.20	-8.25	3	Vertical	27	1.50
5785MHz	Pass	PK	5.7922G	120.75	Inf	-Inf	3	Vertical	27	1.50
5785MHz	Pass	PK	6.0202G	58.43	68.20	-9.77	3	Vertical	27	1.50
5785MHz	Pass	AV	5.7778G	93.47	Inf	-Inf	3	Horizontal	90	1.00
5785MHz	Pass	PK	5.5546G	56.15	68.20	-12.05	3	Horizontal	90	1.00
5785MHz	Pass	PK	5.779G	105.97	Inf	-Inf	3	Horizontal	90	1.00
5785MHz	Pass	PK	6.0826G	58.34	68.20	-9.86	3	Horizontal	90	1.00
5785MHz	Pass	AV	11.56972G	37.25	54.00	-16.75	3	Vertical	272	2.87
5785MHz	Pass	PK	11.57005G	50.46	74.00	-23.54	3	Vertical	272	2.87
5785MHz	Pass	PK	17.3541G	50.67	68.20	-17.53	3	Vertical	184	2.01
5785MHz	Pass	AV	11.56908G	37.01	54.00	-16.99	3	Horizontal	92	1.41
5785MHz	Pass	PK	11.56936G	50.16	74.00	-23.84	3	Horizontal	92	1.41
5785MHz	Pass	PK	17.35552G	50.52	68.20	-17.68	3	Horizontal	15	1.15
5825MHz	Pass	AV	5.8214G	109.65	Inf	-Inf	3	Vertical	322	1.30
5825MHz	Pass	PK	5.597G	57.53	68.20	-10.67	3	Vertical	322	1.30
5825MHz	Pass	PK	5.8202G	121.60	Inf	-Inf	3	Vertical	322	1.30
5825MHz	Pass	PK	5.9282G	59.06	68.20	-9.14	3	Vertical	322	1.30
5825MHz	Pass	AV	5.819G	93.85	Inf	-Inf	3	Horizontal	91	1.00
5825MHz	Pass	PK	5.5274G	56.23	68.20	-11.97	3	Horizontal	91	1.00
5825MHz	Pass	PK	5.819G	106.65	Inf	-Inf	3	Horizontal	91	1.00
5825MHz	Pass	PK	5.993G	58.93	68.20	-9.27	3	Horizontal	91	1.00
5825MHz	Pass	AV	11.64942G	36.35	54.00	-17.65	3	Vertical	49	2.07
5825MHz	Pass	PK	11.65088G	50.08	74.00	-23.92	3	Vertical	49	2.07
5825MHz	Pass	PK	17.47556G	51.50	68.20	-16.70	3	Vertical	52	2.30
5825MHz	Pass	AV	11.65844G	36.52	54.00	-17.48	3	Horizontal	203	1.23
5825MHz	Pass	PK	11.65492G	49.88	74.00	-24.12	3	Horizontal	203	1.23
5825MHz	Pass	PK	17.47522G	50.64	68.20	-17.56	3	Horizontal	24	1.69
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.15G	50.58	54.00	-3.42	3	Vertical	343	1.50
5190MHz	Pass	AV	5.2044G	99.33	Inf	-Inf	3	Vertical	343	1.50



RSE TX above 1GHz Non-Beamforming Radio 2

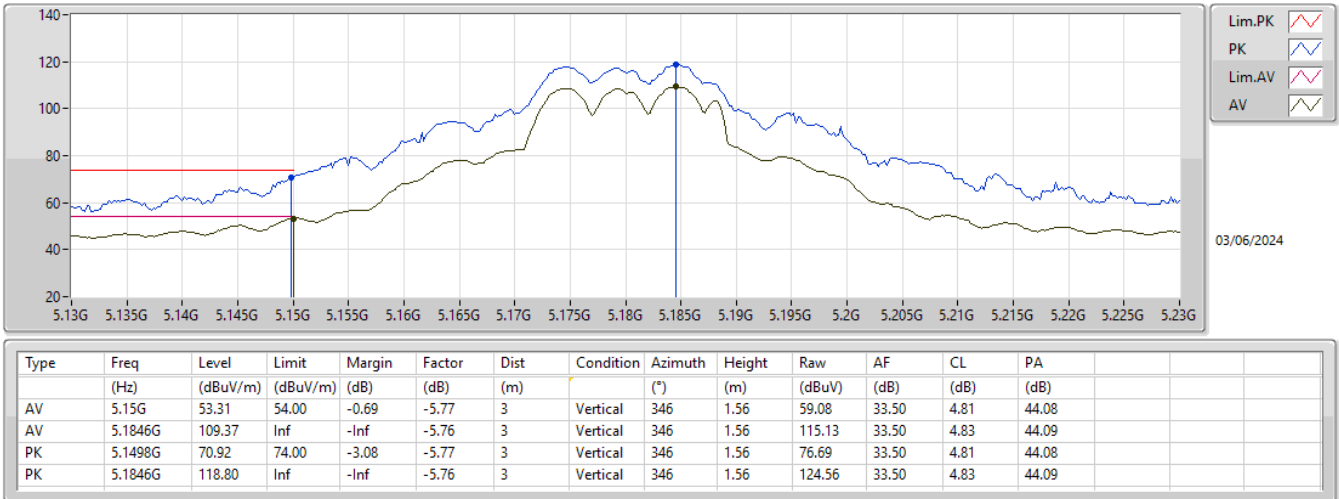
Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5190MHz	Pass	PK	5.1492G	73.43	74.00	-0.57	3	Vertical	343	1.50
5190MHz	Pass	PK	5.2036G	113.02	Inf	-Inf	3	Vertical	343	1.50
5190MHz	Pass	AV	5.1388G	42.28	54.00	-11.72	3	Horizontal	213	1.80
5190MHz	Pass	AV	5.1944G	83.06	Inf	-Inf	3	Horizontal	213	1.80
5190MHz	Pass	PK	5.1464G	57.77	74.00	-16.23	3	Horizontal	213	1.80
5190MHz	Pass	PK	5.1956G	96.42	Inf	-Inf	3	Horizontal	213	1.80
5190MHz	Pass	AV	15.58764G	37.43	54.00	-16.57	3	Horizontal	191	1.50
5190MHz	Pass	PK	10.3506G	49.19	68.20	-19.01	3	Horizontal	117	1.50
5190MHz	Pass	PK	15.5586G	51.04	74.00	-22.96	3	Horizontal	191	1.50
5190MHz	Pass	AV	15.588G	37.39	54.00	-16.61	3	Vertical	156	1.50
5190MHz	Pass	PK	10.38948G	49.08	68.20	-19.12	3	Vertical	202	1.00
5190MHz	Pass	PK	15.5406G	51.37	74.00	-22.63	3	Vertical	156	1.50
5230MHz	Pass	AV	5.1496G	48.35	54.00	-5.65	3	Vertical	343	1.50
5230MHz	Pass	AV	5.2436G	105.97	Inf	-Inf	3	Vertical	343	1.50
5230MHz	Pass	PK	5.1488G	73.52	74.00	-0.48	3	Vertical	343	1.50
5230MHz	Pass	PK	5.2444G	118.53	Inf	-Inf	3	Vertical	343	1.50
5230MHz	Pass	AV	5.1428G	42.66	54.00	-11.34	3	Horizontal	140	1.25
5230MHz	Pass	AV	5.22G	90.72	Inf	-Inf	3	Horizontal	140	1.25
5230MHz	Pass	PK	5.1472G	56.90	74.00	-17.10	3	Horizontal	140	1.25
5230MHz	Pass	PK	5.2196G	103.78	Inf	-Inf	3	Horizontal	140	1.25
5230MHz	Pass	AV	15.6678G	36.98	54.00	-17.02	3	Horizontal	192	1.50
5230MHz	Pass	PK	10.45616G	49.38	68.20	-18.82	3	Horizontal	95	3.00
5230MHz	Pass	PK	15.66972G	50.51	74.00	-23.49	3	Horizontal	192	1.50
5230MHz	Pass	AV	15.66768G	37.08	54.00	-16.92	3	Vertical	166	1.50
5230MHz	Pass	PK	10.44812G	49.87	68.20	-18.33	3	Vertical	165	1.39
5230MHz	Pass	PK	15.69996G	50.26	74.00	-23.74	3	Vertical	166	1.50
5755MHz	Pass	AV	5.455G	44.16	54.00	-9.84	3	Vertical	24	1.14
5755MHz	Pass	AV	5.7382G	106.15	Inf	-Inf	3	Vertical	24	1.14
5755MHz	Pass	PK	5.6506G	62.63	68.64	-6.01	3	Vertical	24	1.14
5755MHz	Pass	PK	5.7394G	118.42	Inf	-Inf	3	Vertical	24	1.14
5755MHz	Pass	PK	5.9482G	58.75	68.20	-9.45	3	Vertical	24	1.14
5755MHz	Pass	AV	5.4586G	42.30	54.00	-11.70	3	Horizontal	89	1.00
5755MHz	Pass	AV	5.7478G	91.03	Inf	-Inf	3	Horizontal	89	1.00
5755MHz	Pass	PK	5.6182G	56.36	68.20	-11.84	3	Horizontal	89	1.00
5755MHz	Pass	PK	5.7454G	104.58	Inf	-Inf	3	Horizontal	89	1.00
5755MHz	Pass	PK	5.9422G	58.68	68.20	-9.52	3	Horizontal	89	1.00
5755MHz	Pass	AV	11.50913G	35.84	54.00	-18.16	3	Vertical	132	1.93
5755MHz	Pass	PK	11.50984G	49.62	74.00	-24.38	3	Vertical	132	1.93
5755MHz	Pass	PK	17.26578G	50.45	68.20	-17.75	3	Vertical	270	2.52
5755MHz	Pass	AV	11.50276G	36.10	54.00	-17.90	3	Horizontal	28	2.75
5755MHz	Pass	PK	11.50732G	49.65	74.00	-24.35	3	Horizontal	28	2.75
5755MHz	Pass	PK	17.26503G	50.12	68.20	-18.08	3	Horizontal	78	2.43
5795MHz	Pass	AV	5.7938G	105.49	Inf	-Inf	3	Vertical	324	1.50
5795MHz	Pass	PK	5.6498G	60.61	68.20	-7.59	3	Vertical	324	1.50
5795MHz	Pass	PK	5.7938G	119.44	Inf	-Inf	3	Vertical	324	1.50
5795MHz	Pass	PK	5.939G	60.96	68.20	-7.24	3	Vertical	324	1.50
5795MHz	Pass	AV	5.8082G	89.63	Inf	-Inf	3	Horizontal	52	2.41
5795MHz	Pass	PK	5.5286G	56.26	68.20	-11.94	3	Horizontal	52	2.41
5795MHz	Pass	PK	5.8082G	102.19	Inf	-Inf	3	Horizontal	52	2.41
5795MHz	Pass	PK	5.9798G	58.14	68.20	-10.06	3	Horizontal	52	2.41
5795MHz	Pass	AV	11.58991G	35.73	54.00	-18.27	3	Vertical	287	2.05
5795MHz	Pass	PK	11.58999G	50.33	74.00	-23.67	3	Vertical	287	2.05
5795MHz	Pass	PK	17.38552G	50.99	68.20	-17.21	3	Vertical	129	2.95
5795MHz	Pass	AV	11.58184G	36.09	54.00	-17.91	3	Horizontal	140	1.70
5795MHz	Pass	PK	11.59456G	49.37	74.00	-24.63	3	Horizontal	140	1.70
5795MHz	Pass	PK	17.3857G	50.08	68.20	-18.12	3	Horizontal	32	1.04
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.148G	53.68	54.00	-0.32	3	Vertical	344	1.34
5210MHz	Pass	AV	5.246G	95.95	Inf	-Inf	3	Vertical	344	1.34
5210MHz	Pass	AV	5.356G	44.16	54.00	-9.84	3	Vertical	344	1.34
5210MHz	Pass	PK	5.148G	71.52	74.00	-2.48	3	Vertical	344	1.34
5210MHz	Pass	PK	5.206G	109.54	Inf	-Inf	3	Vertical	344	1.34

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5210MHz	Pass	PK	5.373G	57.96	74.00	-16.04	3	Vertical	344	1.34
5210MHz	Pass	AV	5.145G	42.99	54.00	-11.01	3	Horizontal	139	1.30
5210MHz	Pass	AV	5.241G	79.49	Inf	-Inf	3	Horizontal	139	1.30
5210MHz	Pass	AV	5.44G	43.62	54.00	-10.38	3	Horizontal	139	1.30
5210MHz	Pass	PK	5.148G	57.19	74.00	-16.81	3	Horizontal	139	1.30
5210MHz	Pass	PK	5.201G	92.90	Inf	-Inf	3	Horizontal	139	1.30
5210MHz	Pass	PK	5.365G	57.76	74.00	-16.24	3	Horizontal	139	1.30
5210MHz	Pass	AV	15.58728G	37.31	54.00	-16.69	3	Horizontal	41	1.00
5210MHz	Pass	PK	10.42984G	48.89	68.20	-19.31	3	Horizontal	235	1.50
5210MHz	Pass	PK	15.62136G	50.75	74.00	-23.25	3	Horizontal	41	1.00
5210MHz	Pass	AV	15.61992G	37.30	54.00	-16.70	3	Vertical	152	2.14
5210MHz	Pass	PK	10.39552G	48.62	68.20	-19.58	3	Vertical	162	1.00
5210MHz	Pass	PK	15.62328G	50.93	74.00	-23.07	3	Vertical	152	2.14
5775MHz	Pass	AV	5.739G	100.63	Inf	-Inf	3	Vertical	25	1.12
5775MHz	Pass	PK	5.6502G	68.20	68.35	-0.15	3	Vertical	25	1.12
5775MHz	Pass	PK	5.7402G	113.86	Inf	-Inf	3	Vertical	25	1.12
5775MHz	Pass	PK	5.9226G	63.50	69.98	-6.48	3	Vertical	25	1.12
5775MHz	Pass	AV	5.7486G	85.37	Inf	-Inf	3	Horizontal	89	1.01
5775MHz	Pass	PK	5.5338G	56.37	68.20	-11.83	3	Horizontal	89	1.01
5775MHz	Pass	PK	5.745G	98.34	Inf	-Inf	3	Horizontal	89	1.01
5775MHz	Pass	PK	6.0462G	58.06	68.20	-10.14	3	Horizontal	89	1.01
5775MHz	Pass	AV	11.55031G	35.96	54.00	-18.04	3	Vertical	167	2.14
5775MHz	Pass	PK	11.54984G	49.69	74.00	-24.31	3	Vertical	167	2.14
5775MHz	Pass	PK	17.32454G	49.61	68.20	-18.59	3	Vertical	310	2.17
5775MHz	Pass	AV	11.54144G	36.17	54.00	-17.83	3	Horizontal	12	2.87
5775MHz	Pass	PK	11.54336G	49.70	74.00	-24.30	3	Horizontal	12	2.87
5775MHz	Pass	PK	17.32533G	50.70	68.20	-17.50	3	Horizontal	33	1.65

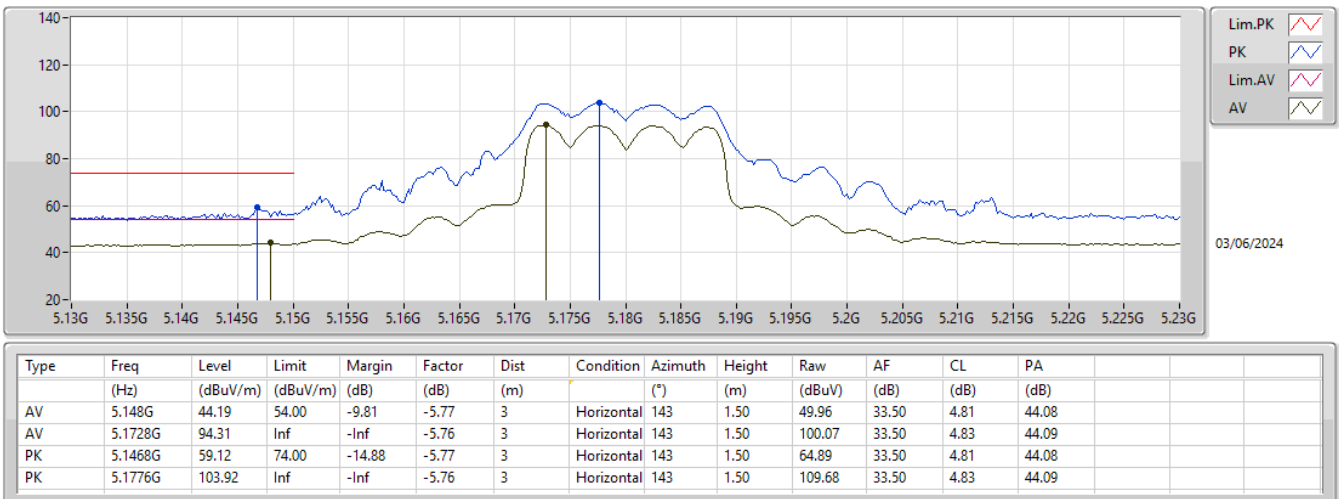
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX



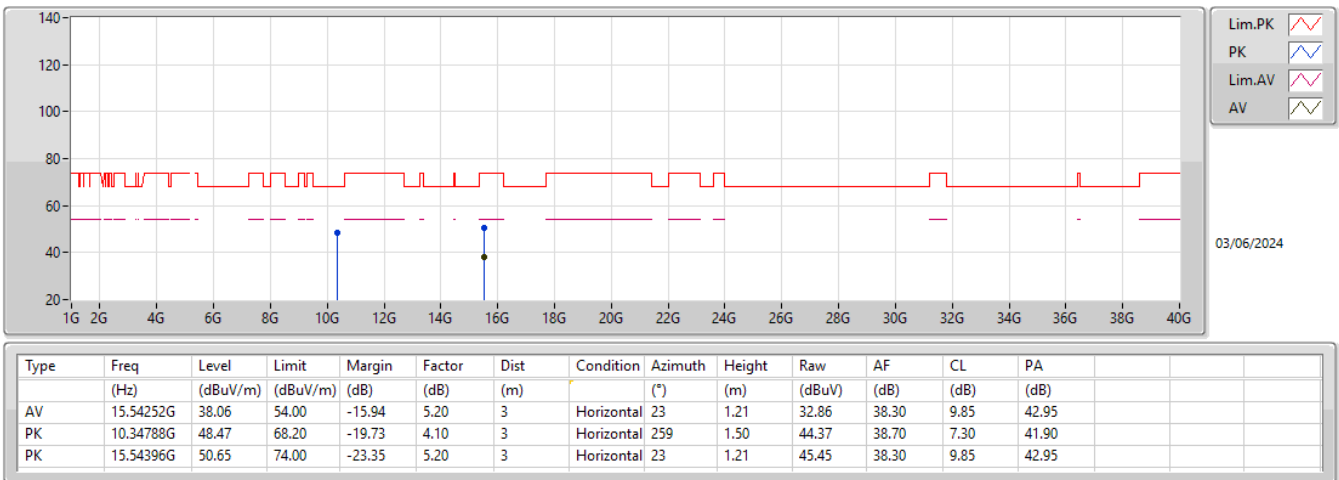
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5180MHz_TX



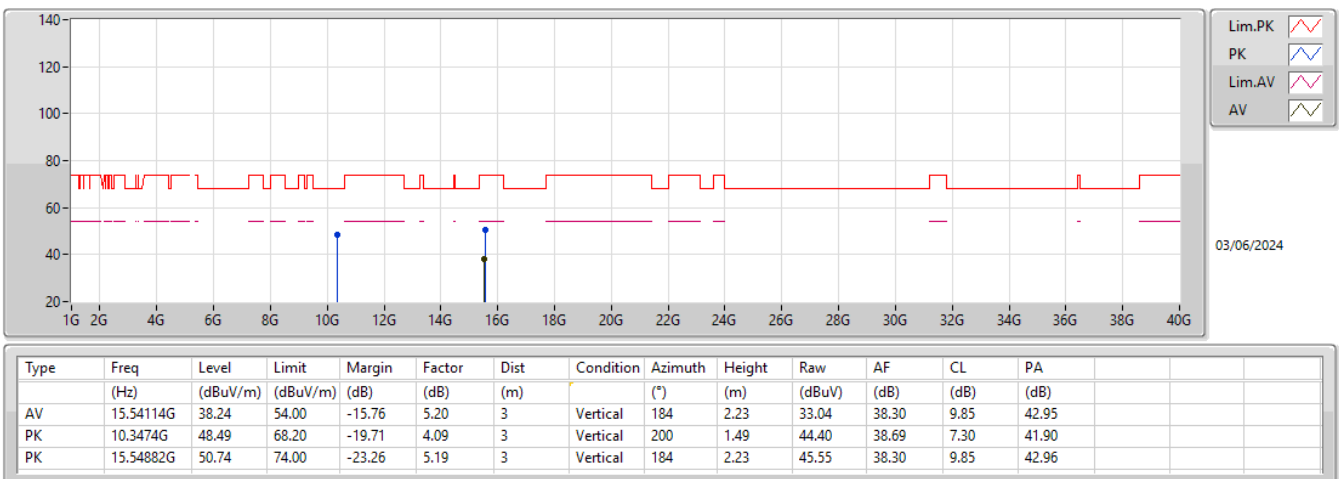
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5180MHz_TX



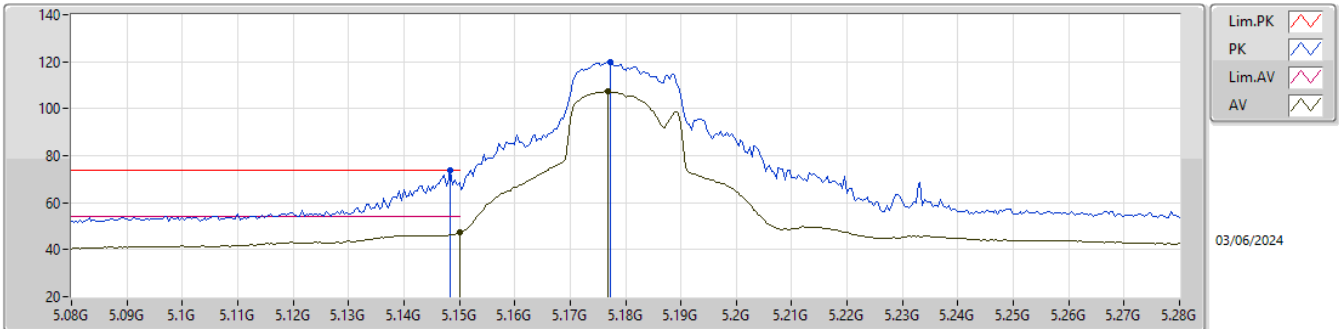
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5180MHz_TX



5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

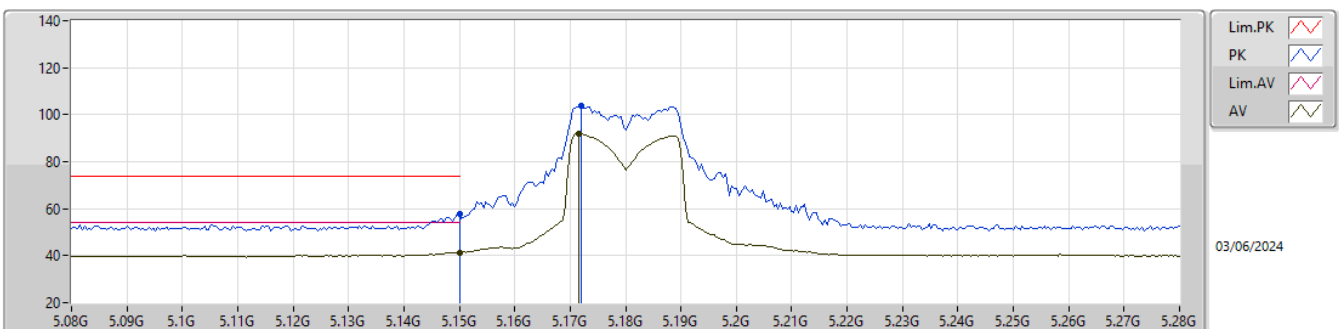
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	5.15G	47.16	54.00	-6.84	-5.77	3	Vertical	345	1.50	52.93	33.50	4.81	44.08
AV	5.1768G	107.33	Inf	-Inf	-5.76	3	Vertical	345	1.50	113.09	33.50	4.83	44.09
PK	5.1484G	73.80	74.00	-0.20	-5.77	3	Vertical	345	1.50	79.57	33.50	4.81	44.08
PK	5.1772G	119.86	Inf	-Inf	-5.76	3	Vertical	345	1.50	125.62	33.50	4.83	44.09

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

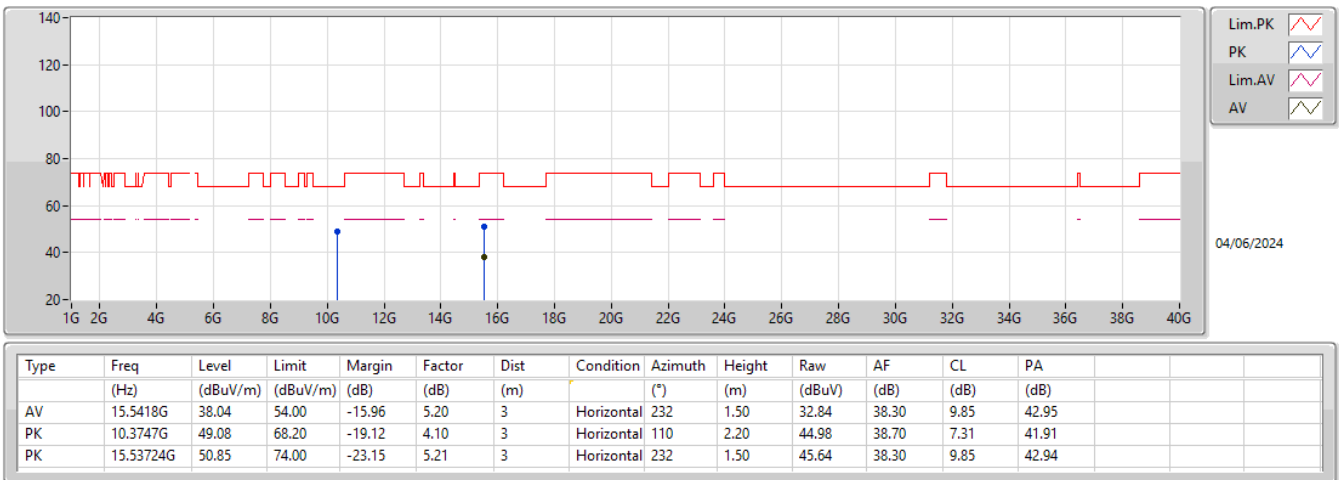
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Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	5.15G	41.30	54.00	-12.70	-5.77	3	Horizontal	144	1.50	47.07	33.50	4.81	44.08
AV	5.1716G	92.12	Inf	-Inf	-5.76	3	Horizontal	144	1.50	97.88	33.50	4.82	44.08
PK	5.15G	57.75	74.00	-16.25	-5.77	3	Horizontal	144	1.50	63.52	33.50	4.81	44.08
PK	5.172G	103.71	Inf	-Inf	-5.77	3	Horizontal	144	1.50	109.48	33.50	4.82	44.09

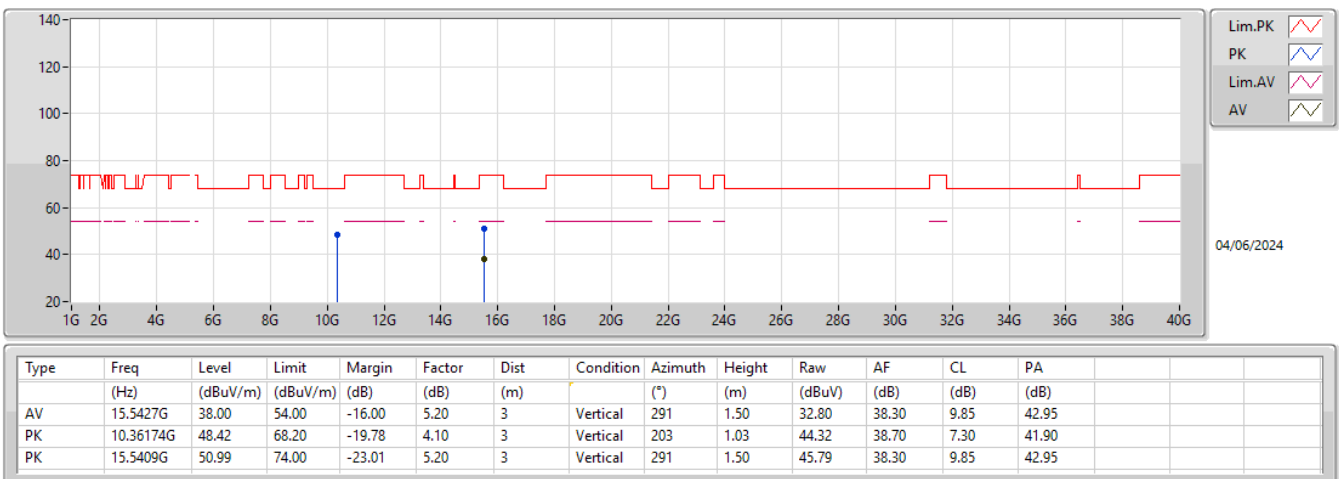
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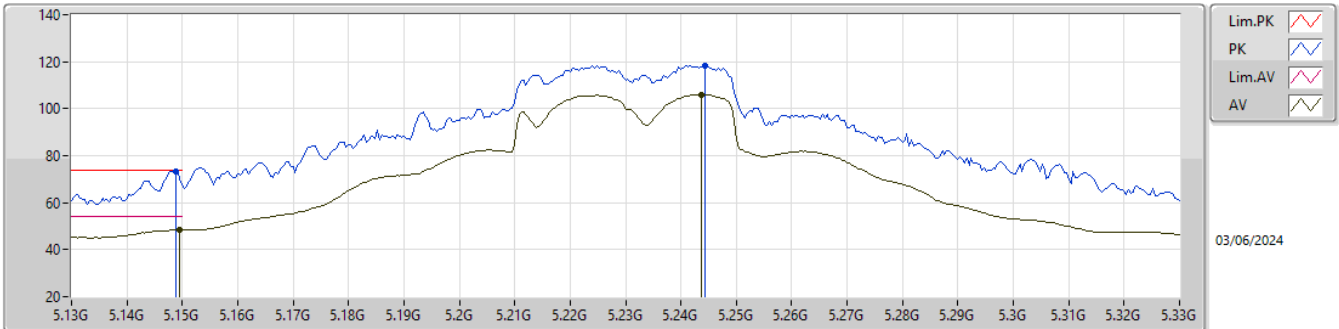
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5180MHz_TX



5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

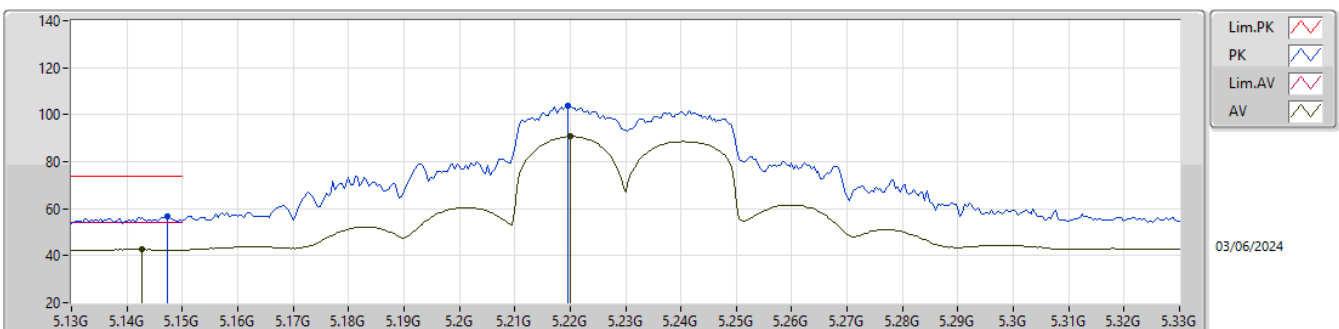
5230MHz_TX



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	5.1496G	48.35	54.00	-5.65	-5.77	3	Vertical	343	1.50	54.12	33.50	4.81	44.08
AV	5.2436G	105.97	Inf	-Inf	-5.75	3	Vertical	343	1.50	111.72	33.50	4.86	44.11
PK	5.1488G	73.52	74.00	-0.48	-5.77	3	Vertical	343	1.50	79.29	33.50	4.81	44.08
PK	5.2444G	118.53	Inf	-Inf	-5.75	3	Vertical	343	1.50	124.28	33.50	4.86	44.11

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

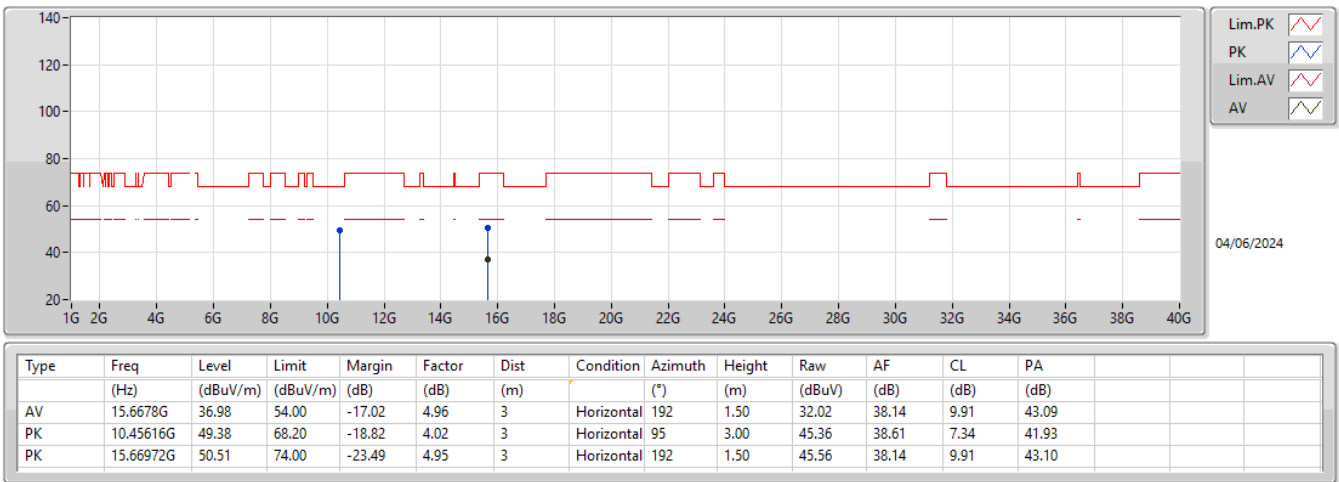
5230MHz_TX



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	5.1428G	42.66	54.00	-11.34	-5.77	3	Horizontal	140	1.25	48.43	33.50	4.81	44.08
AV	5.22G	90.72	Inf	-Inf	-5.75	3	Horizontal	140	1.25	96.47	33.50	4.85	44.10
PK	5.1472G	56.90	74.00	-17.10	-5.77	3	Horizontal	140	1.25	62.67	33.50	4.81	44.08
PK	5.2196G	103.78	Inf	-Inf	-5.75	3	Horizontal	140	1.25	109.53	33.50	4.85	44.10

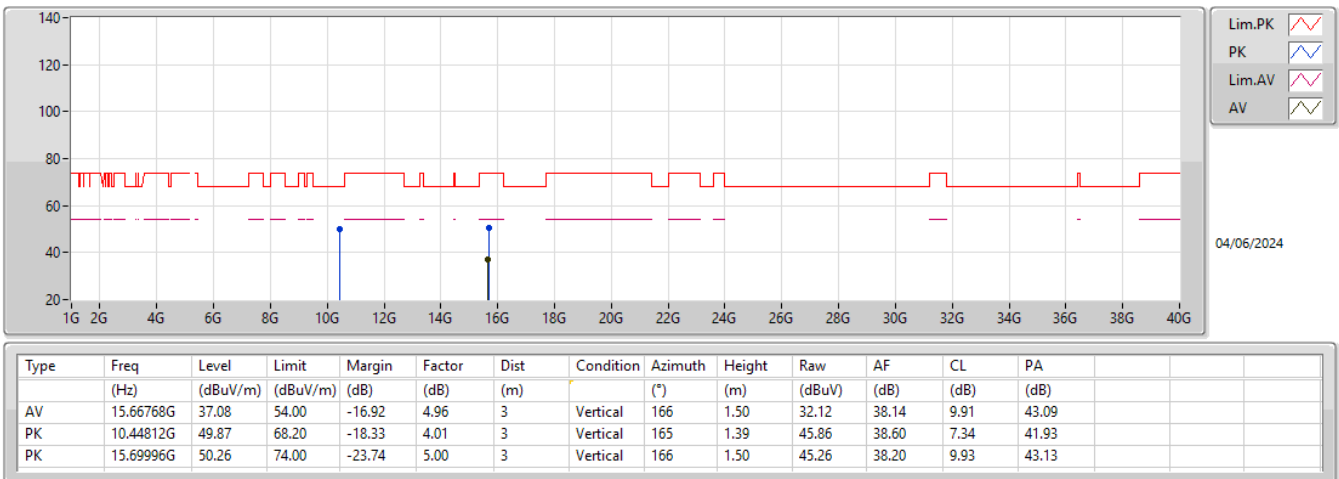
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5230MHz_TX



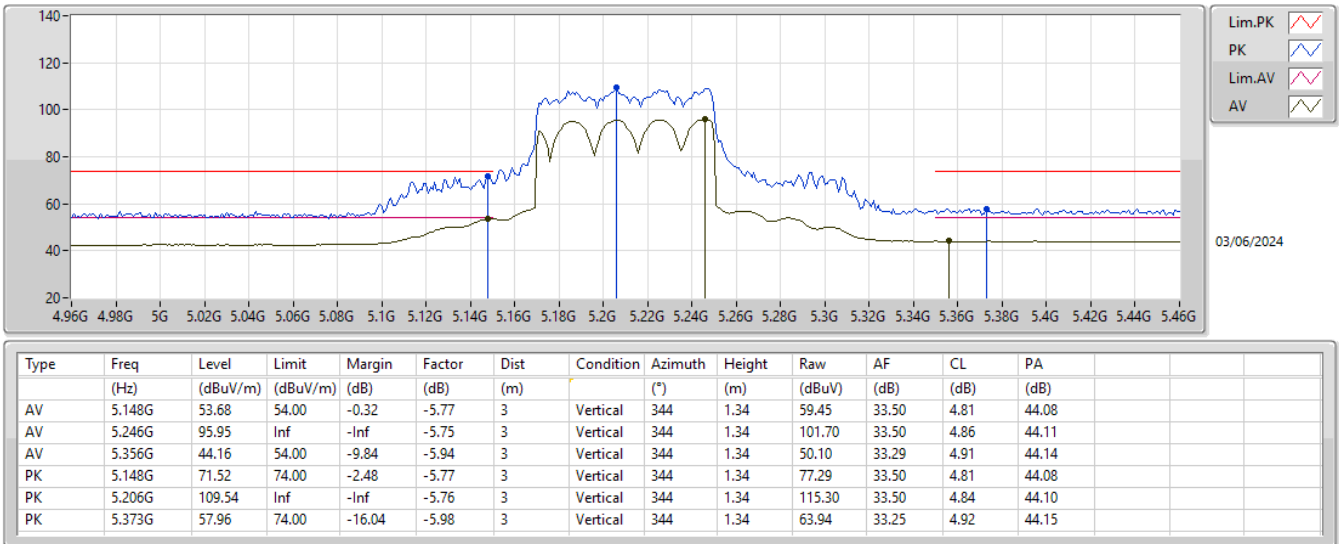
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5230MHz_TX



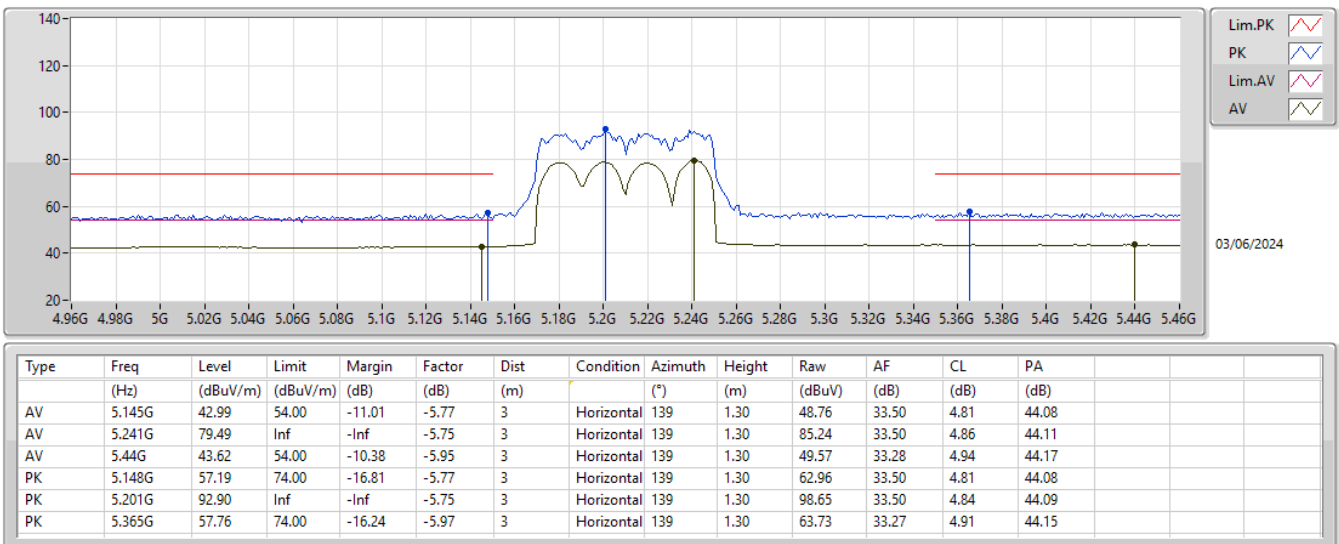
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5210MHz_TX



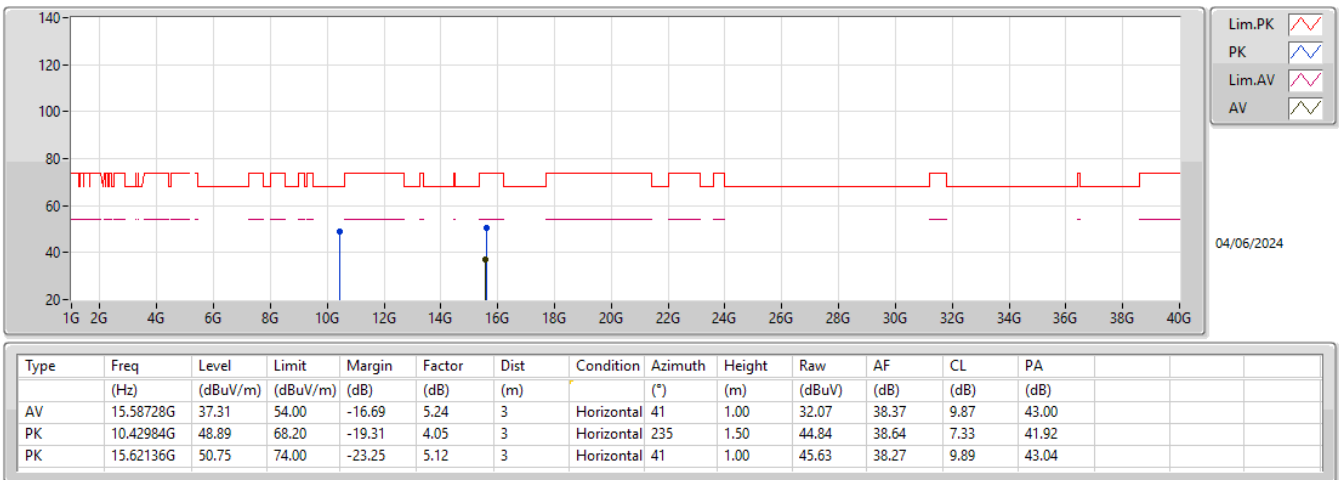
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5210MHz_TX



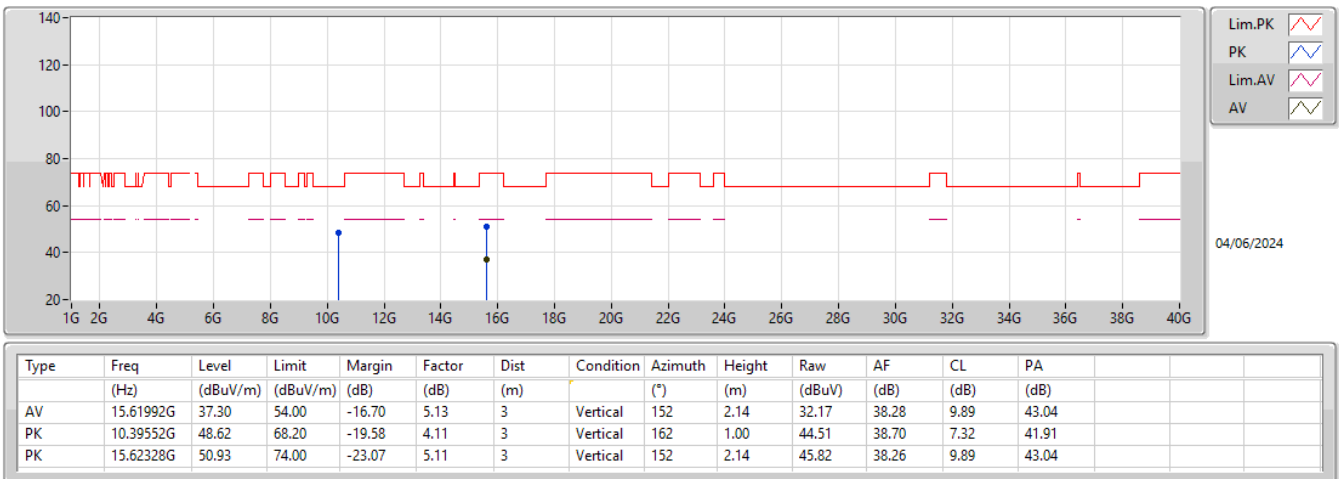
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5210MHz_TX



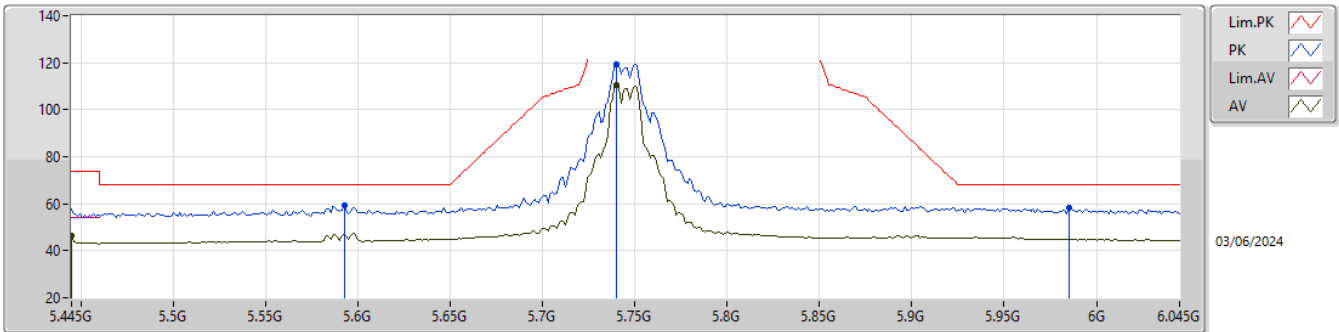
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5210MHz_TX



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

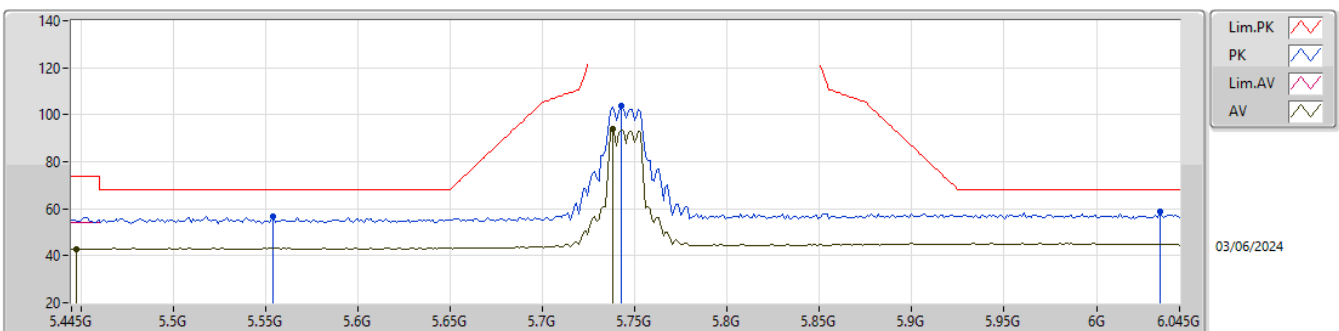
5745MHz_TX



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	5.445G	46.39	54.00	-7.61	-5.94	3	Vertical	324	1.27	52.33	33.29	4.94	44.17				
AV	5.7402G	110.35	Inf	-Inf	-4.92	3	Vertical	324	1.27	115.27	34.20	5.12	44.24				
PK	5.5926G	59.41	68.20	-8.79	-5.82	3	Vertical	324	1.27	65.23	33.41	4.98	44.21				
PK	5.7402G	119.43	Inf	-Inf	-4.92	3	Vertical	324	1.27	124.35	34.20	5.12	44.24				
PK	5.985G	58.14	68.20	-10.06	-4.62	3	Vertical	324	1.27	62.76	34.60	5.08	44.30				

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

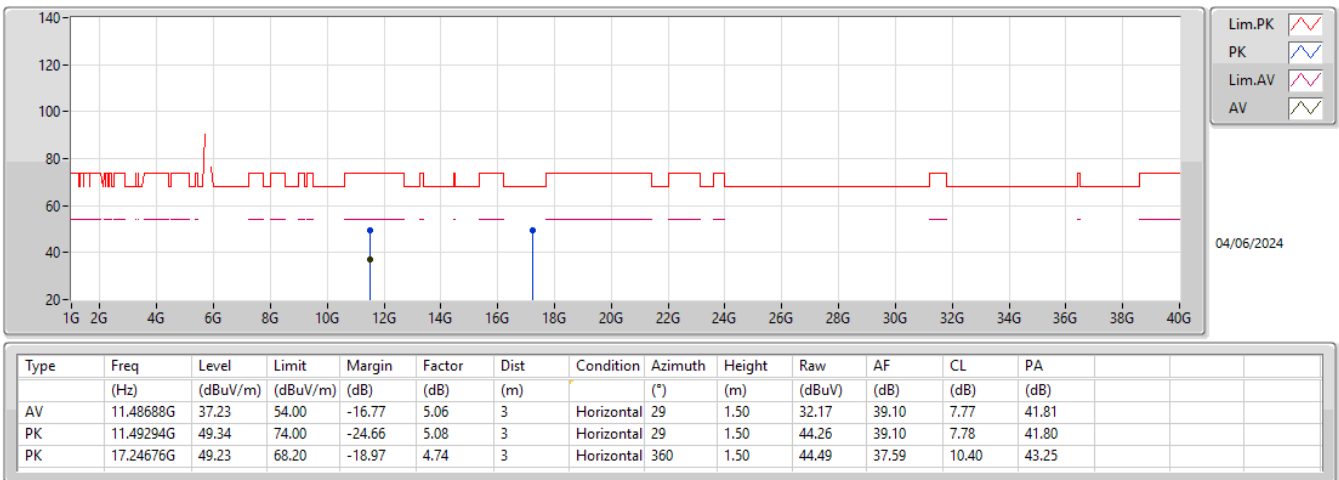
5745MHz_TX



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	5.4474G	42.92	54.00	-11.08	-5.94	3	Horizontal	218	1.71	48.86	33.29	4.94	44.17				
AV	5.7378G	93.94	Inf	-Inf	-4.94	3	Horizontal	218	1.71	98.88	34.18	5.12	44.24				
PK	5.5542G	56.56	68.20	-11.64	-5.74	3	Horizontal	218	1.71	62.30	33.49	4.97	44.20				
PK	5.7426G	103.75	Inf	-Inf	-4.89	3	Horizontal	218	1.71	108.64	34.23	5.12	44.24				
PK	6.0342G	58.59	68.20	-9.61	-4.74	3	Horizontal	218	1.71	63.33	34.46	5.10	44.30				

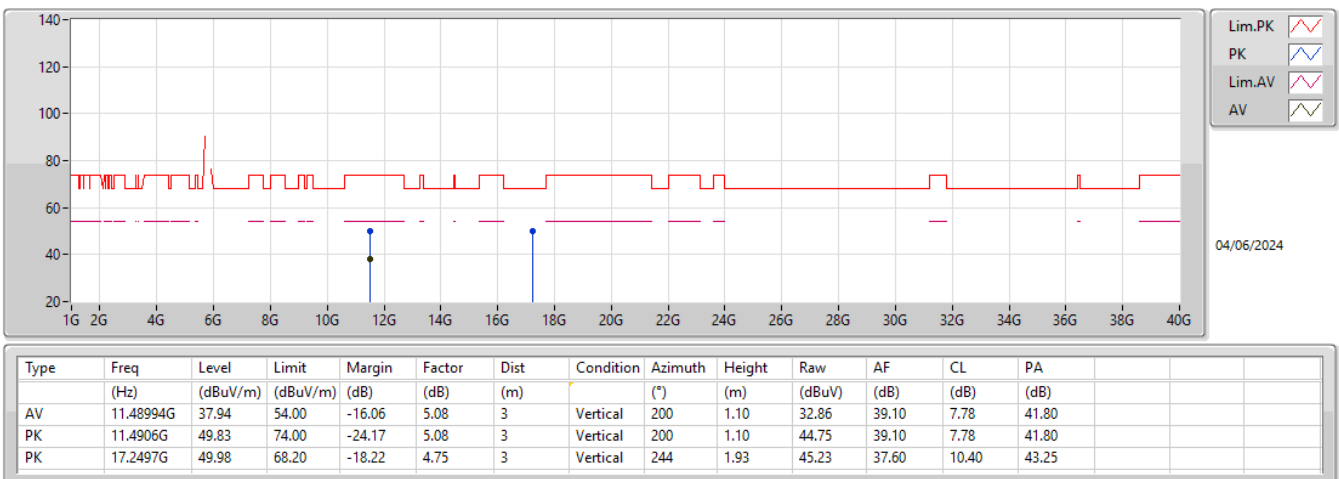
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5745MHz_TX



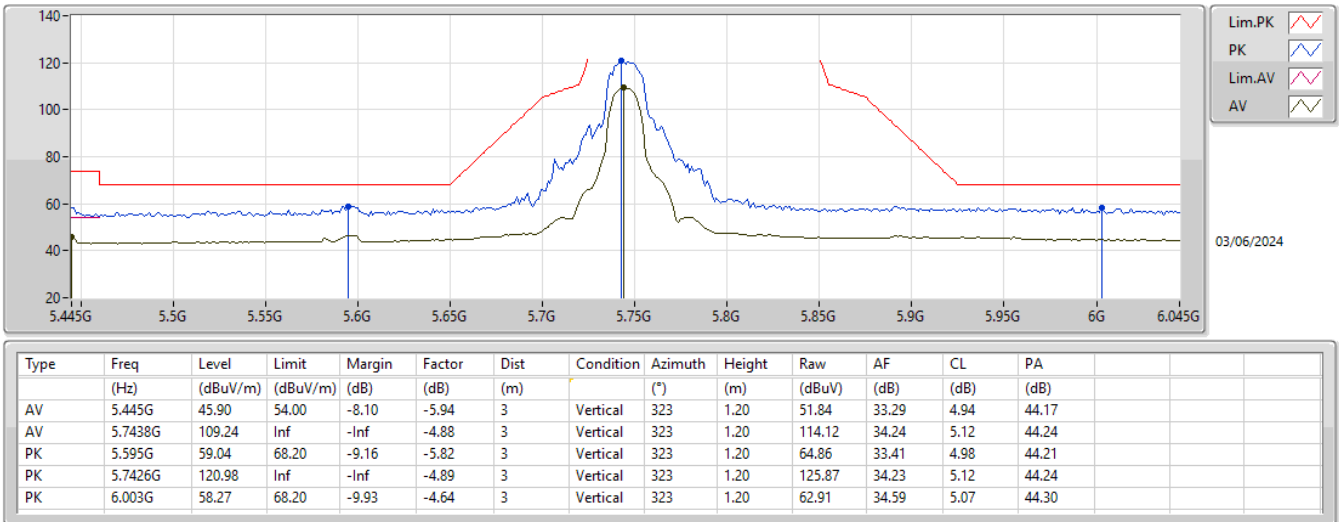
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5745MHz_TX



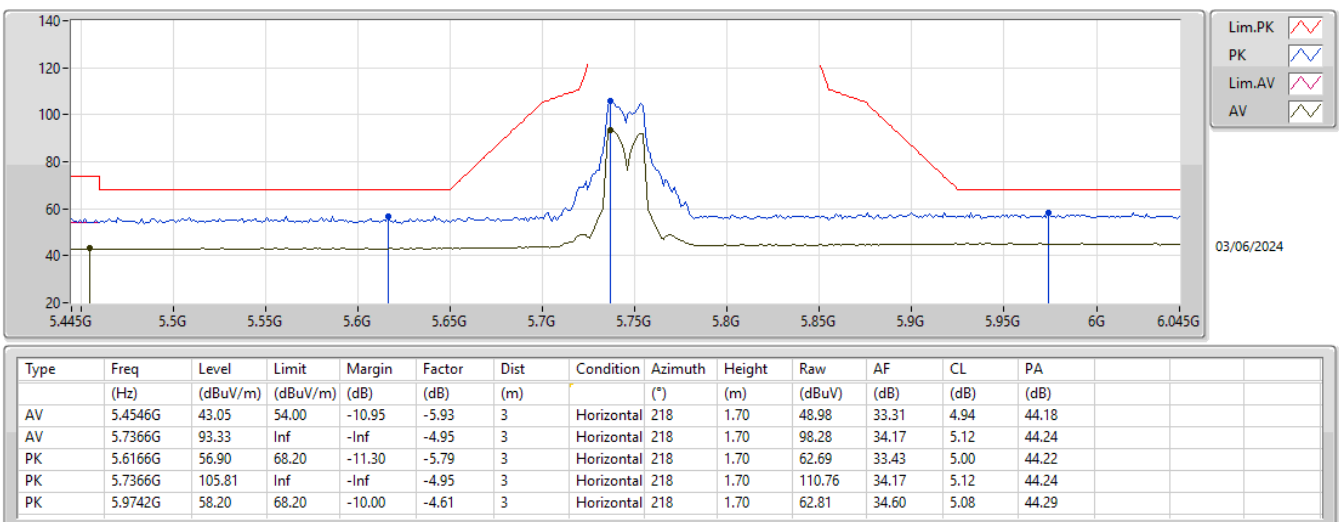
5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5745MHz_TX



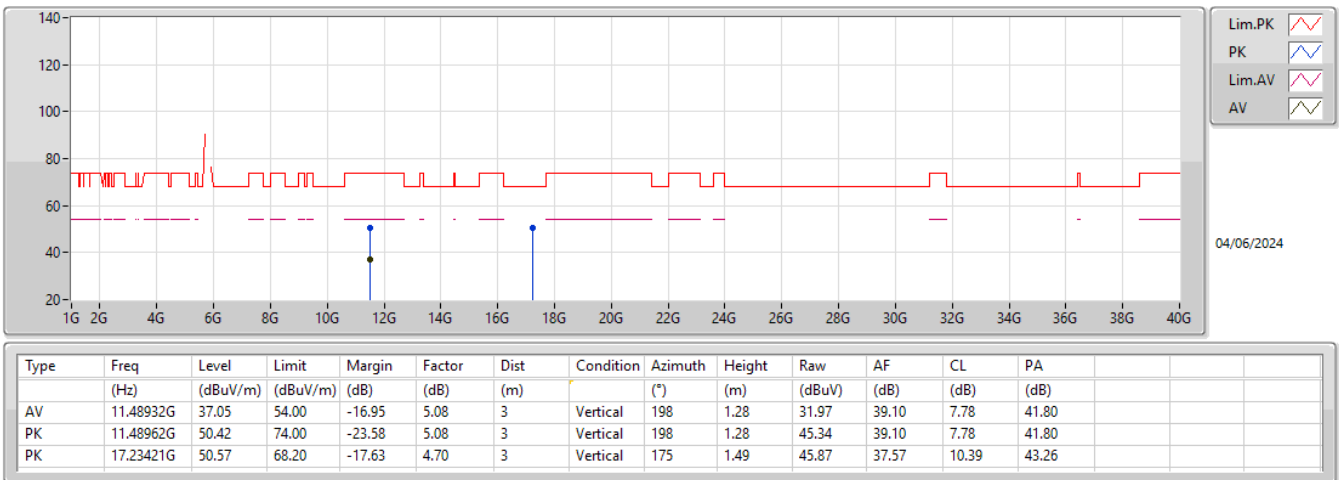
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5745MHz_TX



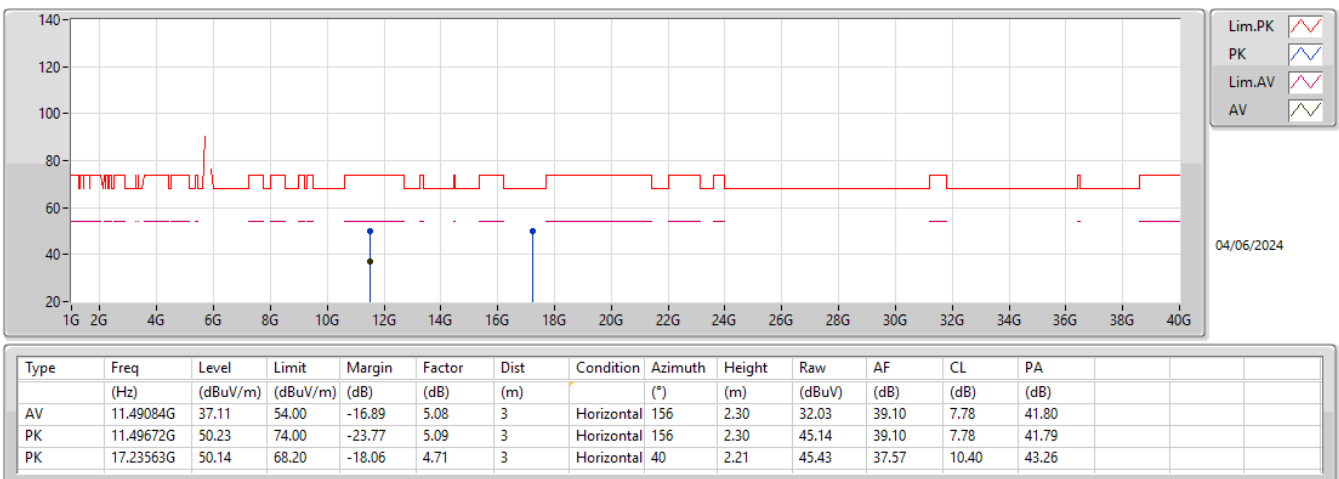
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5745MHz_TX



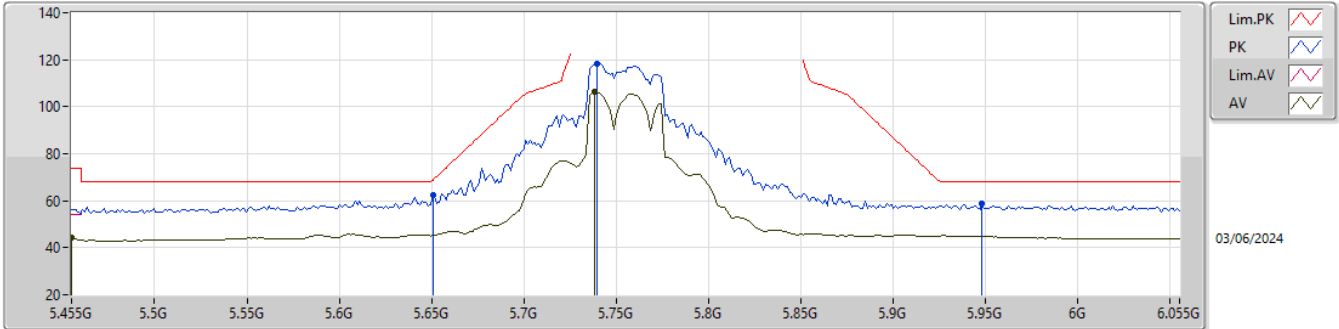
5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5745MHz_TX



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

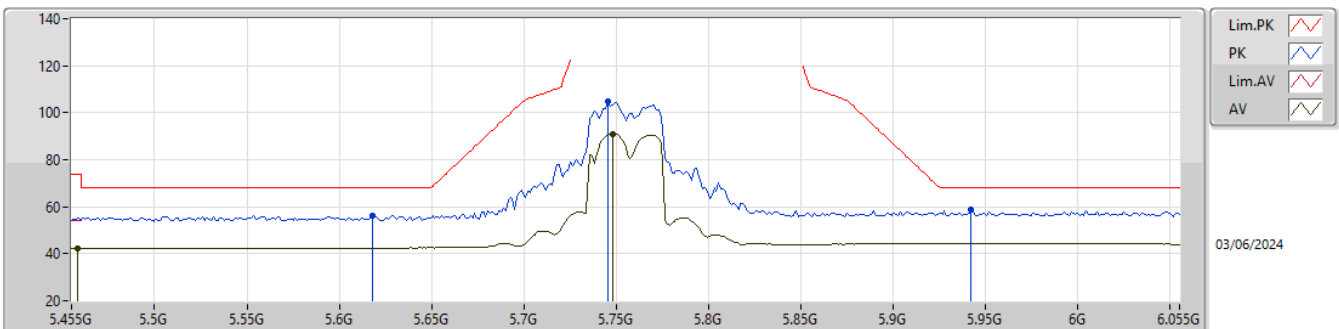
5755MHz_TX



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	5.455G	44.16	54.00	-9.84	-5.93	3	Vertical	24	1.14	50.09	33.31	4.94	44.18
AV	5.7382G	106.15	Inf	-Inf	-4.94	3	Vertical	24	1.14	111.09	34.18	5.12	44.24
PK	5.6506G	62.63	68.64	-6.01	-5.69	3	Vertical	24	1.14	68.32	33.50	5.03	44.22
PK	5.7394G	118.42	Inf	-Inf	-4.93	3	Vertical	24	1.14	123.35	34.19	5.12	44.24
PK	5.9482G	58.75	68.20	-9.45	-4.59	3	Vertical	24	1.14	63.34	34.60	5.10	44.29

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

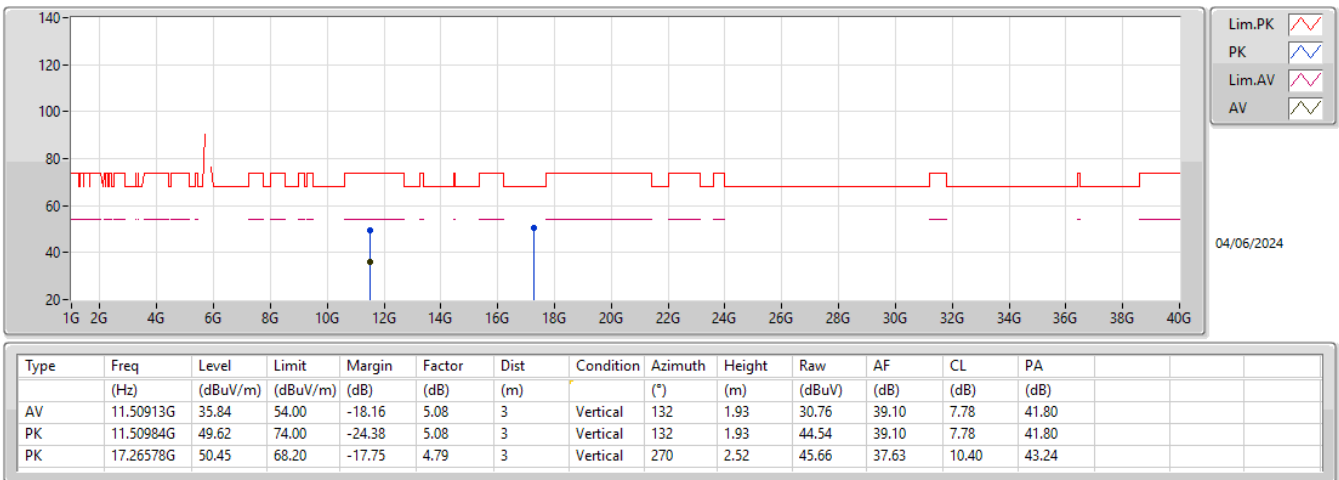
5755MHz_TX



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	5.4586G	42.30	54.00	-11.70	-5.92	3	Horizontal	89	1.00	48.22	33.32	4.94	44.18
AV	5.7478G	91.03	Inf	-Inf	-4.83	3	Horizontal	89	1.00	95.86	34.28	5.13	44.24
PK	5.6182G	56.36	68.20	-11.84	-5.78	3	Horizontal	89	1.00	62.14	33.44	5.00	44.22
PK	5.7454G	104.58	Inf	-Inf	-4.86	3	Horizontal	89	1.00	109.44	34.25	5.13	44.24
PK	5.9422G	58.68	68.20	-9.52	-4.59	3	Horizontal	89	1.00	63.27	34.60	5.10	44.29

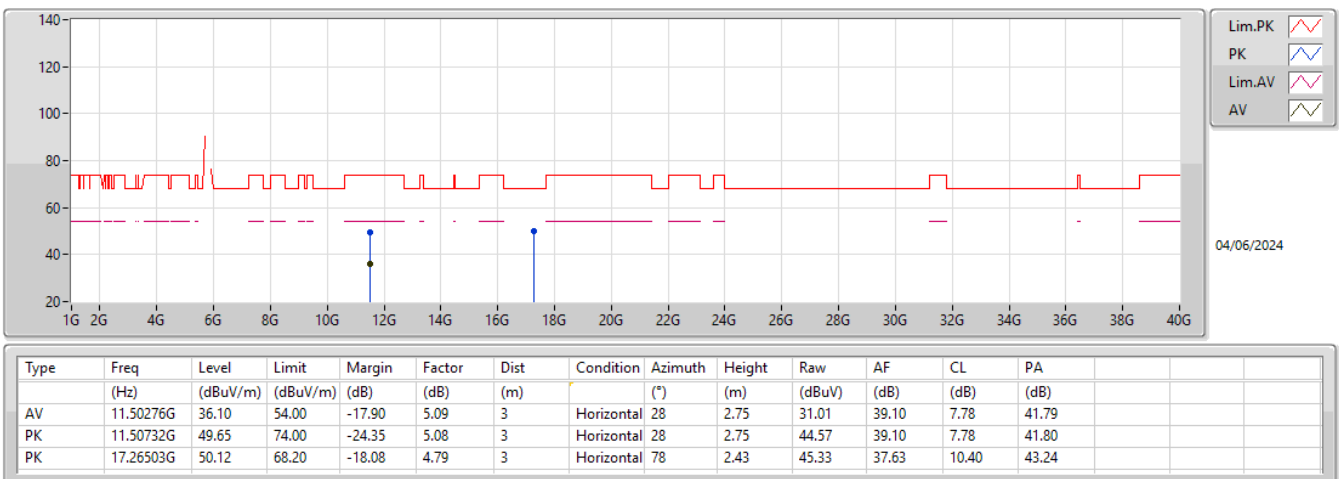
5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

5755MHz_TX



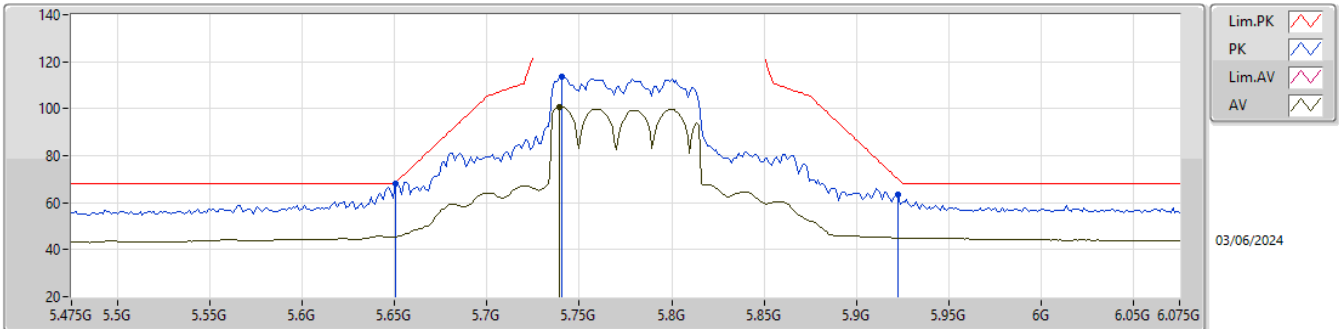
5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

5755MHz_TX



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

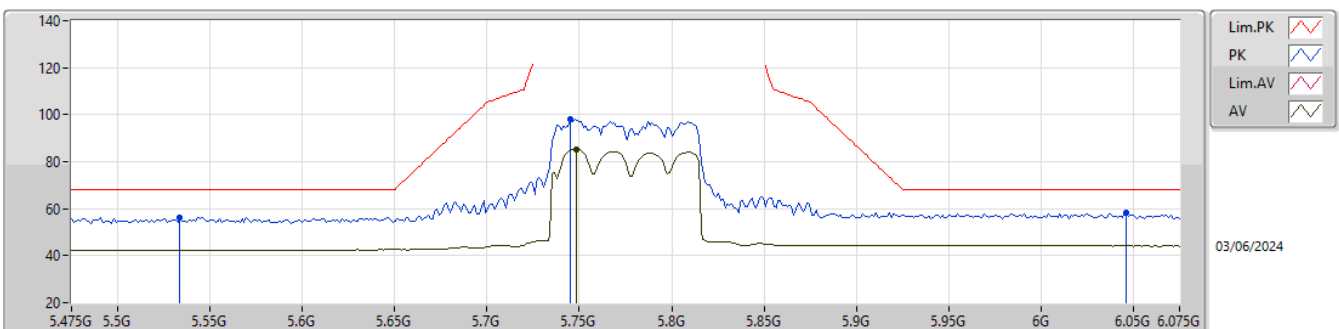
5775MHz_TX



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	5.739G	100.63	Inf	-Inf	-4.93	3	Vertical	25	1.12	105.56	34.19	5.12	44.24
PK	5.6502G	68.20	68.35	-0.15	-5.69	3	Vertical	25	1.12	73.89	33.50	5.03	44.22
PK	5.7402G	113.86	Inf	-Inf	-4.92	3	Vertical	25	1.12	118.78	34.20	5.12	44.24
PK	5.9226G	63.50	69.98	-6.48	-4.57	3	Vertical	25	1.12	68.07	34.60	5.11	44.28

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

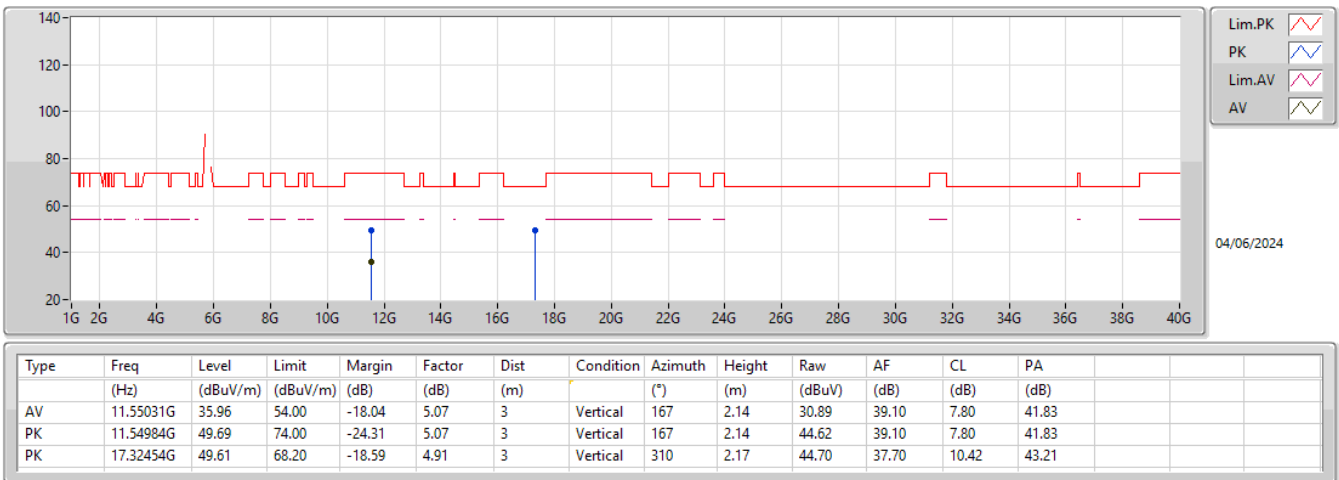
5775MHz_TX



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	5.7486G	85.37	Inf	-Inf	-4.82	3	Horizontal	89	1.01	90.19	34.29	5.13	44.24
PK	5.5338G	56.37	68.20	-11.83	-5.77	3	Horizontal	89	1.01	62.14	33.47	4.96	44.20
PK	5.745G	98.34	Inf	-Inf	-4.87	3	Horizontal	89	1.01	103.21	34.25	5.12	44.24
PK	6.0462G	58.06	68.20	-10.14	-4.78	3	Horizontal	89	1.01	62.84	34.42	5.11	44.31

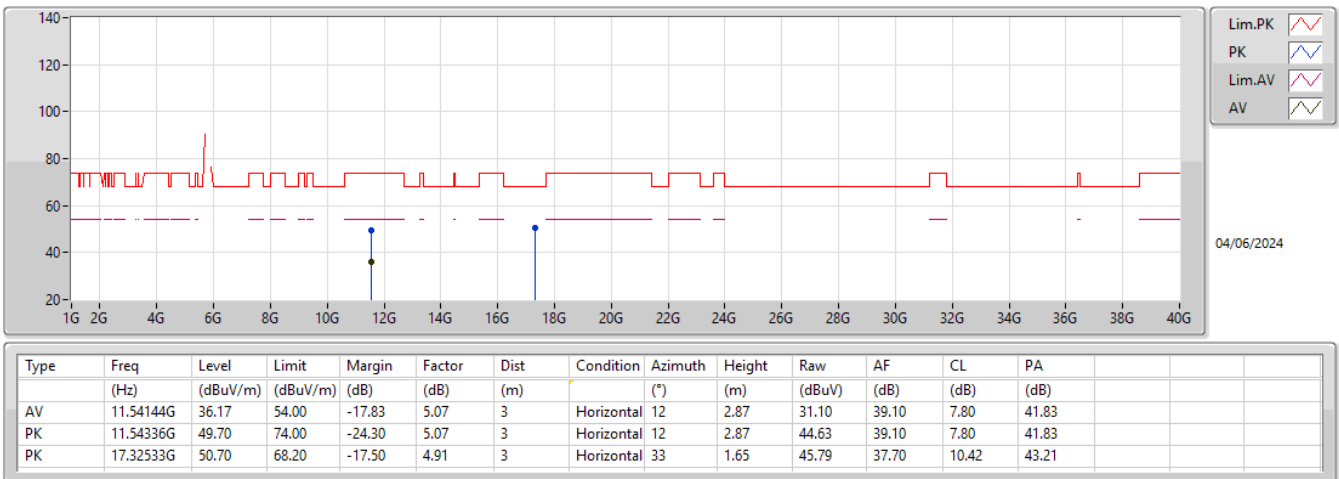
5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_2TX

5775MHz_TX



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

5775MHz_TX





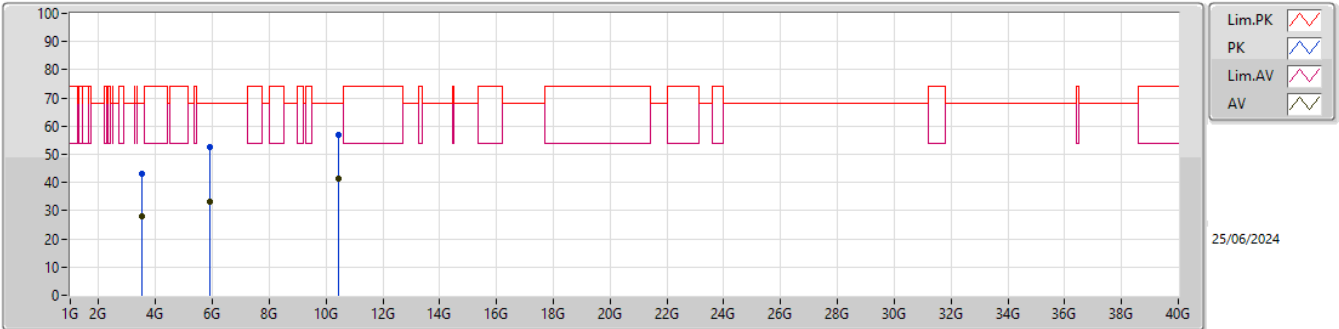
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	10.15519G	57.30	68.20	-10.90	Horizontal
Mode 2	Pass	PK	10.4542G	56.87	68.20	-11.33	Vertical

Result

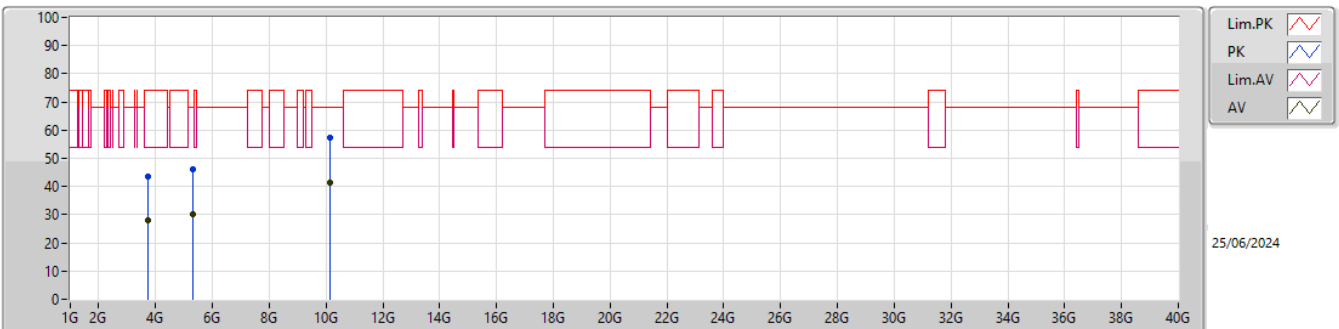
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	3.52555G	27.81	68.20	-40.39	3	Vertical	46	1.81
Mode 1	Pass	AV	5.8998G	33.02	68.20	-35.18	3	Vertical	249	1.81
Mode 1	Pass	AV	10.42568G	41.20	68.20	-27.00	3	Vertical	54	1.18
Mode 1	Pass	PK	3.52555G	43.15	68.20	-25.05	3	Vertical	46	1.81
Mode 1	Pass	PK	5.8998G	52.78	68.20	-15.42	3	Vertical	249	1.81
Mode 1	Pass	PK	10.42568G	57.04	68.20	-11.16	3	Vertical	54	1.18
Mode 1	Pass	AV	3.75029G	28.09	54.00	-25.91	3	Horizontal	58	2.12
Mode 1	Pass	AV	5.29941G	29.97	68.20	-38.23	3	Horizontal	99	2.38
Mode 1	Pass	AV	10.15519G	41.41	68.20	-26.79	3	Horizontal	129	2.11
Mode 1	Pass	PK	3.75029G	43.42	74.00	-30.58	3	Horizontal	58	2.12
Mode 1	Pass	PK	5.29941G	45.93	68.20	-22.27	3	Horizontal	99	2.38
Mode 1	Pass	PK	10.15519G	57.30	68.20	-10.90	3	Horizontal	129	2.11
Mode 2	Pass	AV	3.07287G	27.63	68.20	-40.57	3	Vertical	103	1.93
Mode 2	Pass	AV	7.79388G	37.12	68.20	-31.08	3	Vertical	222	1.36
Mode 2	Pass	AV	10.4542G	41.33	68.20	-26.87	3	Vertical	147	2.45
Mode 2	Pass	PK	3.07287G	43.50	68.20	-24.70	3	Vertical	103	1.93
Mode 2	Pass	PK	7.79388G	53.06	68.20	-15.14	3	Vertical	222	1.36
Mode 2	Pass	PK	10.4542G	56.87	68.20	-11.33	3	Vertical	147	2.45
Mode 2	Pass	AV	3.06823G	27.85	68.20	-40.35	3	Horizontal	177	2.41
Mode 2	Pass	AV	6.48987G	33.96	68.20	-34.24	3	Horizontal	227	2.31
Mode 2	Pass	AV	10.05356G	40.64	68.20	-27.56	3	Horizontal	255	1.52
Mode 2	Pass	PK	3.06823G	43.18	68.20	-25.02	3	Horizontal	177	2.41
Mode 2	Pass	PK	6.48987G	55.32	68.20	-12.88	3	Horizontal	227	2.31
Mode 2	Pass	PK	10.05356G	55.92	68.20	-12.28	3	Horizontal	255	1.52

Radiated Emissions above 1GHz_Mode 1



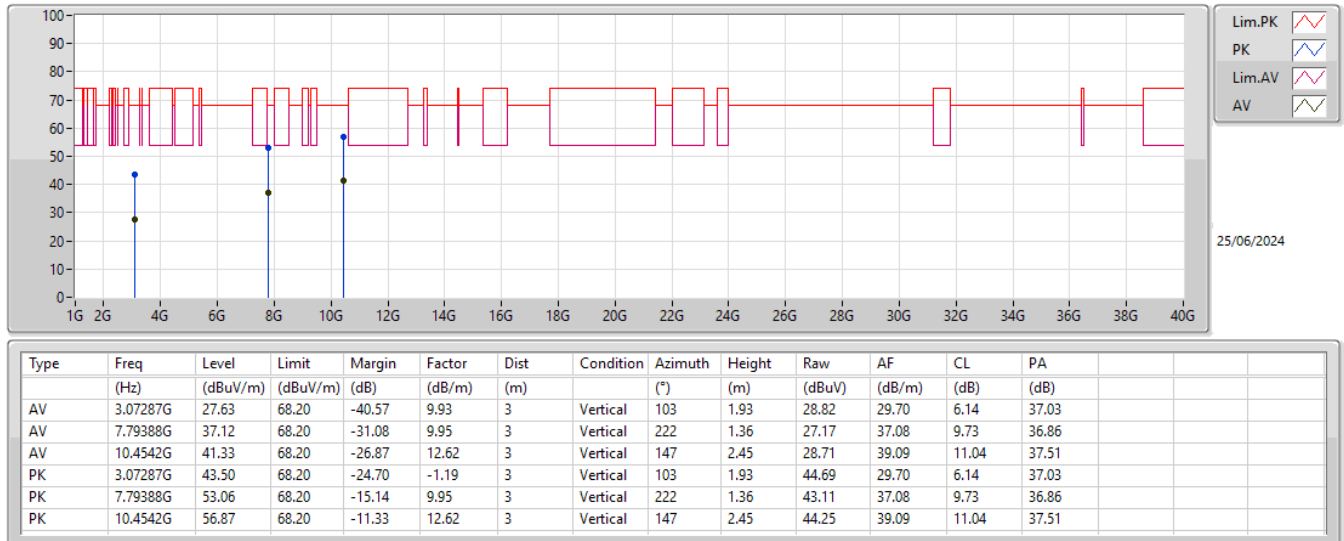
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	3.52555G	27.81	68.20	-40.39	-1.03	3	Vertical	46	1.81	28.84	29.65	6.63	37.31
AV	5.8998G	33.02	68.20	-35.18	5.85	3	Vertical	249	1.81	27.17	34.50	8.39	37.04
AV	10.42568G	41.20	68.20	-27.00	12.63	3	Vertical	54	1.18	28.57	39.10	11.05	37.52
PK	3.52555G	43.15	68.20	-25.05	-1.03	3	Vertical	46	1.81	44.18	29.65	6.63	37.31
PK	5.8998G	52.78	68.20	-15.42	5.85	3	Vertical	249	1.81	46.93	34.50	8.39	37.04
PK	10.42568G	57.04	68.20	-11.16	12.63	3	Vertical	54	1.18	44.41	39.10	11.05	37.52

Radiated Emissions above 1GHz_Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	3.75029G	28.09	54.00	-25.91	-0.42	3	Horizontal	58	2.12	28.51	30.20	6.83	37.45
AV	5.29941G	29.97	68.20	-38.23	3.73	3	Horizontal	99	2.38	26.24	33.00	8.01	37.28
AV	10.15519G	41.41	68.20	-26.79	12.54	3	Horizontal	129	2.11	28.87	39.00	11.12	37.58
PK	3.75029G	43.42	74.00	-30.58	-0.42	3	Horizontal	58	2.12	43.84	30.20	6.83	37.45
PK	5.29941G	45.93	68.20	-22.27	3.73	3	Horizontal	99	2.38	42.20	33.00	8.01	37.28
PK	10.15519G	57.30	68.20	-10.90	12.54	3	Horizontal	129	2.11	44.76	39.00	11.12	37.58

Radiated Emissions above 1GHz_Mode 2



Radiated Emissions above 1GHz_Mode 2

