

FCC Radio Test Report

FCC ID : UDX-600214010
Equipment : Cisco Wireless 9172I Series Wi-Fi 7 Access Point
Brand Name : CISCO
Model Name : CW9172I
Applicant : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA
Manufacturer : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA
Standard : 47 CFR FCC Part 15.407

The product was received on Aug. 29, 2024, and testing was started from Sep. 15, 2024 and completed on Oct. 02, 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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[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	15.207	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: Ryan Hsiao

Report Producer: Michelle Tsai



1 General Description

1.1 Information

Radio 3 (Scan radio) is only RX function.

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5725-5850	a, n (HT20), ac (VHT20), ax (HEW20), be (EHT20)	5745-5825	149-165 [5]
5725-5850	n (HT40), ac (VHT40), ax(HEW40), be (EHT40)	5755-5795	151-159 [2]
5725-5850	ac (VHT80), ax (HEW80) , be (EHT80)	5775	155 [1]

Non-Beamforming_Radio 2_1TX

Band	Mode	BWch	Nant
5.725-5.85GHz	802.11a	20	1TX
5.725-5.85GHz	802.11be EHT20	20	1TX
5.725-5.85GHz	802.11be EHT40	40	1TX
5.725-5.85GHz	802.11be EHT80	80	1TX

Non-Beamforming_Radio 2_2TX

Band	Mode	BWch	Nant
5.725-5.85GHz	802.11a	20	2TX
5.725-5.85GHz	802.11be EHT20	20	2TX
5.725-5.85GHz	802.11be EHT40	40	2TX
5.725-5.85GHz	802.11be EHT80	80	2TX

Non-Beamforming_Radio 2_4TX

Band	Mode	BWch	Nant
5.725-5.85GHz	802.11a	20	4TX
5.725-5.85GHz	802.11be EHT20	20	4TX
5.725-5.85GHz	802.11be EHT40	40	4TX
5.725-5.85GHz	802.11be EHT80	80	4TX

Beamforming_Radio 2_2TX

Band	Mode	BWch	Nant
5.725-5.85GHz	802.11be EHT20-BF	20	2TX
5.725-5.85GHz	802.11be EHT40-BF	40	2TX
5.725-5.85GHz	802.11be EHT80-BF	80	2TX

Beamforming_Radio 2_4TX

Band	Mode	BWch	Nant
5.725-5.85GHz	802.11be EHT20-BF	20	4TX
5.725-5.85GHz	802.11be EHT40-BF	40	4TX
5.725-5.85GHz	802.11be EHT80-BF	80	4TX

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.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support	Radio
1	Sercomm	6172004VJHDB1H	PIFA	I-Pex	2.4G	Radio1
					5G	Radio 2
2	Sercomm	6172004VJHDB2V	PIFA	I-Pex	2.4G	Radio1
					5G	Radio 2
3	Sercomm	6172004VJH561H	PIFA	I-Pex	5G/6G	Radio 2
4	Sercomm	6172004VJH562V	PIFA	I-Pex		
5	Sercomm	6172004VJHSC1V	PIFA	I-Pex	2.4G/5G/6G	Scan Radio 3 (RX)
6	Sercomm	6172004VJHSC2V	PIFA	I-Pex		
7	Sercomm	6172004VJHBLEV	PIFA	I-Pex	BT	Radio 4

Ant.	Port	Gain (dBi)									
		2.4G	5G				6G				BT
			UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	
1	1	3.78	3.45	2.71	4.22	3.86	-	-	-	-	-
2	2	4.06	3.44	3.37	4.88	4.62	-	-	-	-	-
3	3	-	5.26	5.46	5.47	4.92	6.23	5.81	5.59	5.80	-
4	4	-	4.03	5.09	4.08	4.73	4.68	3.89	3.74	4.66	-
5	1	2.4	2.87	2.96	3.08	2.71	3.61	3.17	4.38	3.32	-
6	2	2.3	3.24	3.56	3.46	3.18	3.96	4.12	3.98	4.08	-
7	1	-	-	-	-	-	-	-	-	-	2.23

Composite Gain (dBi)									
Wi-Fi Mode	2.4G	5G							
	Radio 1_2TX	Radio 2_2TX				Radio 2_4TX			
		UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-1	UNII-2A	UNII-2C	UNII-3
DG [1SS]	4.65	4.96	5.14	5.8	6.03	6.76	6.31	6.67	6.69
DG [2SS]	4.06	3.45	3.37	4.88	4.62	5.26	5.46	5.47	4.92
DG [4SS]	-	-	-	-	-	5.26	5.46	5.47	4.92

Composite Gain (dBi)				
6G Radio 2_2TX				
Wi-Fi Mode	UNII-5	UNII-6	UNII-7	UNII-8
DG [1SS]	6.84	7.04	6.2	6.56
DG [2SS]	6.23	5.81	5.59	5.8

Note 1: The EUT has seven antennas.

Note 2: The composite gain is derived as KDB 662911 D03 v01 which was used as directional gain. For more detail information, please refer to the Antenna Pattern Report AP470202-01.

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax/be mode (1TX/1RX) (Radio 1)

Ant. 1 (port 1) could transmit/receive.

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/2RX) (Radio 1)

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

For IEEE 802.11 b/g/n/VHT/ax/be mode (2RX) (Radio 3)

Ant. 5 (port 1) and Ant. 6 (port 2) could receive simultaneously.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax/be mode (1TX/1RX) (Radio 2)

Ant. 1 (port 1) could transmit/receive.

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

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

For IEEE 802.11 a/n/ac/ax/be mode (4TX/4RX) (Radio 2)

Ant. 1 (port 1), Ant. 2 (port 2), Ant. 3 (port 3) and Ant. 4 (port 4) could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax/be mode (2RX) (Radio 3)

Ant. 5 (port 1) and Ant. 6 (port 2) could receive simultaneously.

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX) (Radio 4)

Ant. 7 (port 1) could transmit/receive.

For 6GHz function:

For IEEE 802.11 ax/be mode (1TX/1RX) (Radio 2)

Ant. 3 (port 3) could transmit/receive.

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

Ant. 3 (port 3) and Ant. 4 (port 4) could transmit/receive simultaneously.

For IEEE 802.11 ax mode (2RX) (Radio 3)

Ant. 5 (port 1) and Ant. 6 (port 2) could receive simultaneously.



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)	
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_Radio 2_1TX

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a_Nss1,(6Mbps)_1TX	0.992	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20_Nss1,(MCS0)_1TX	0.997	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40_Nss1,(MCS0)_1TX	0.997	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT80_Nss1,(MCS0)_1TX	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.

Non-Beamforming_Radio 2_2TX

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a_Nss1,(6Mbps)_2TX	0.991	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20_Nss1,(MCS0)_2TX	0.976	0.11	4.544m	300
802.11be EHT40_Nss1,(MCS0)_2TX	0.953	0.21	2.322m	500
802.11be EHT80_Nss1,(MCS0)_2TX	0.949	0.23	2.147m	500

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

**Non-Beamforming_Radio 2_4TX**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a_Nss1,(6Mbps)_4TX	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20_Nss1,(MCS0)_4TX	0.978	0.1	5.403m	200
802.11be EHT40_Nss1,(MCS0)_4TX	0.975	0.11	4.566m	300
802.11be EHT80_Nss1,(MCS0)_4TX	0.955	0.2	2.219m	500

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

Beamforming_Radio 2_2TX

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.

Beamforming_Radio 2_4TX

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT20-BF_Nss1,(MCS0)_4TX	0.978	0.1	5.403m	200
802.11be EHT40-BF_Nss1,(MCS0)_4TX	0.975	0.11	4.566m	300
802.11be EHT80-BF_Nss1,(MCS0)_4TX	0.955	0.2	2.219m	500

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

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 662911 D03 v01
- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua		ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)		
(TAF: 3785)		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	Edward Wang	22.1~23.6°C / 53~58%	02/Oct/2024
RF Conducted (R2_1TX)	TH07-HY	Yuna Lin	23.4~23.7°C / 48~53%	26/Sep/2024~01/Oct/2024
RF Conducted (R2_2TX/4TX)	TH07-HY	Yuna Lin	23.1~23.9°C / 50~55%	16/Sep/2024~25/Sep/2024
Radiated (Co-location)	03CH02-HY	Vasari Huang	23.5~25.2°C / 52~55%	23/Sep/2024
Radiated (R2_1TX)	03CH03-HY	Simon Cheng	20.8~22.4°C / 61~63%	16/Sep/2024~02/Oct/2024
Radiated (R2_2TX)	03CH03-HY	Simon Cheng	20.5~21.7°C / 57~62%	15/Sep/2024~20/Sep/2024
Radiated (R2_4TX)	03CH03-HY	Simon Cheng	20.5~21.7°C / 57~62%	16/Sep/2024~20/Sep/2024
☐ Wenhua 3rd.		ADD: No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)		
(TAF: 3785)		TEL: 886-3-327-0868		
Test site Designation No. TW0036 with FCC.				

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%
Receiver Radiated 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_00099.1
------------------------------	--------------------------------------

Non-Beamforming _Radio 2_1TX

Mode	Power Setting
802.11a_Nss1,(6Mbps)_1TX	-
5745MHz	22
5785MHz	22
5825MHz	22
802.11be EHT20_Nss1,(MCS0)_1TX	-
5745MHz	22
5785MHz	22
5825MHz	22
802.11be EHT40_Nss1,(MCS0)_1TX	-
5755MHz	22
5795MHz	22
802.11be EHT80_Nss1,(MCS0)_1TX	-
5775MHz	21.5

Non-Beamforming _Radio 2_2TX

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5745MHz	22
5785MHz	22
5825MHz	22
802.11be EHT20_Nss1,(MCS0)_2TX	-
5745MHz	22
5785MHz	22
5825MHz	22
802.11be EHT40_Nss1,(MCS0)_2TX	-
5755MHz	22
5795MHz	22
802.11be EHT80_Nss1,(MCS0)_2TX	-
5775MHz	21.5

**Non-Beamforming_Radio 2_4TX**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5745MHz	22
5785MHz	22
5825MHz	22
802.11be EHT20_Nss1,(MCS0)_4TX	-
5745MHz	22
5785MHz	22
5825MHz	22
802.11be EHT40_Nss1,(MCS0)_4TX	-
5755MHz	22
5795MHz	22
802.11be EHT80_Nss1,(MCS0)_4TX	-
5775MHz	21.5

Beamforming_Radio 2_2TX

Mode	Power Setting
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-
5745MHz	22
5785MHz	22
5825MHz	22
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-
5755MHz	22
5795MHz	22
802.11be EHT80-BF_Nss1,(MCS0)_2TX	-
5775MHz	21.5

Beamforming_Radio 2_4TX

Mode	Power Setting
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-
5745MHz	22
5785MHz	22
5825MHz	22
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-
5755MHz	22
5795MHz	22
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-
5775MHz	21.5

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	PoE 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	PoE mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT	V (R2-4TX)	V (R2-2TX)	V (R2-1TX)

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 (2*2) + Radio 2: 5G (2*2) + Radio 2: 6G (2*2) + BT
Refer to Sporton Test Report No.: FA470202-01AA for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.3 Accessories

Accessories				
Wall Mount	Brand Name	CISCO	Model Name	69-2160-04
Ceiling	Brand Name	CISCO	Model Name	800-26066-03

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

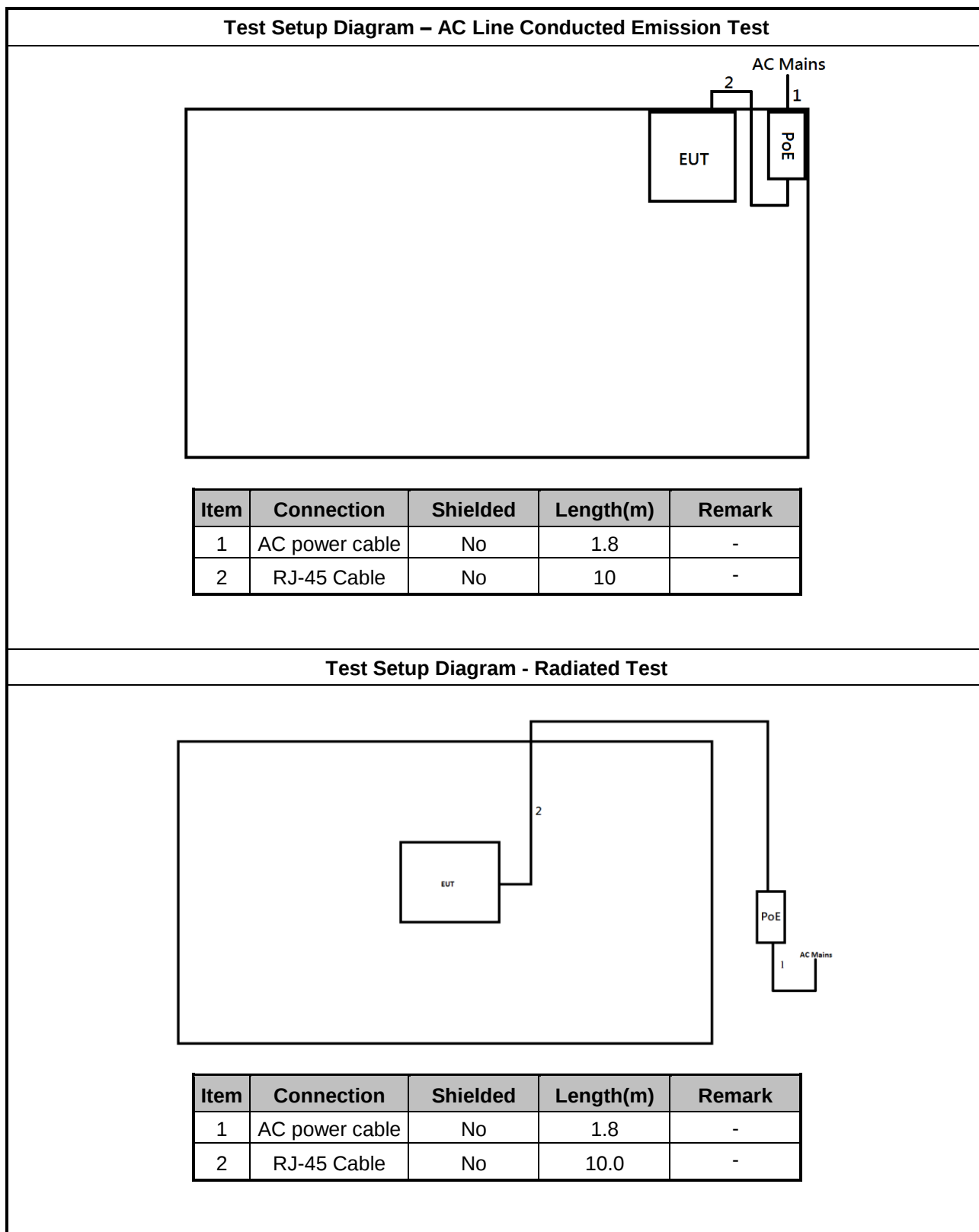
2.4 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC power cable	Power sync	PW-GPC180-3	-	-
2	PoE	PHIHONG	POE29U-1AT(PL)	-	Provided by Customer

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	PoE	Microsemi	PD-9001GR/AT/AC	-	Provided by Customer

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	PoE	PHIHONG	POE29U-1AT(PL)	-	Provided by Customer
2	AC power cable	Power sync	PW-GPC180-3	-	-

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

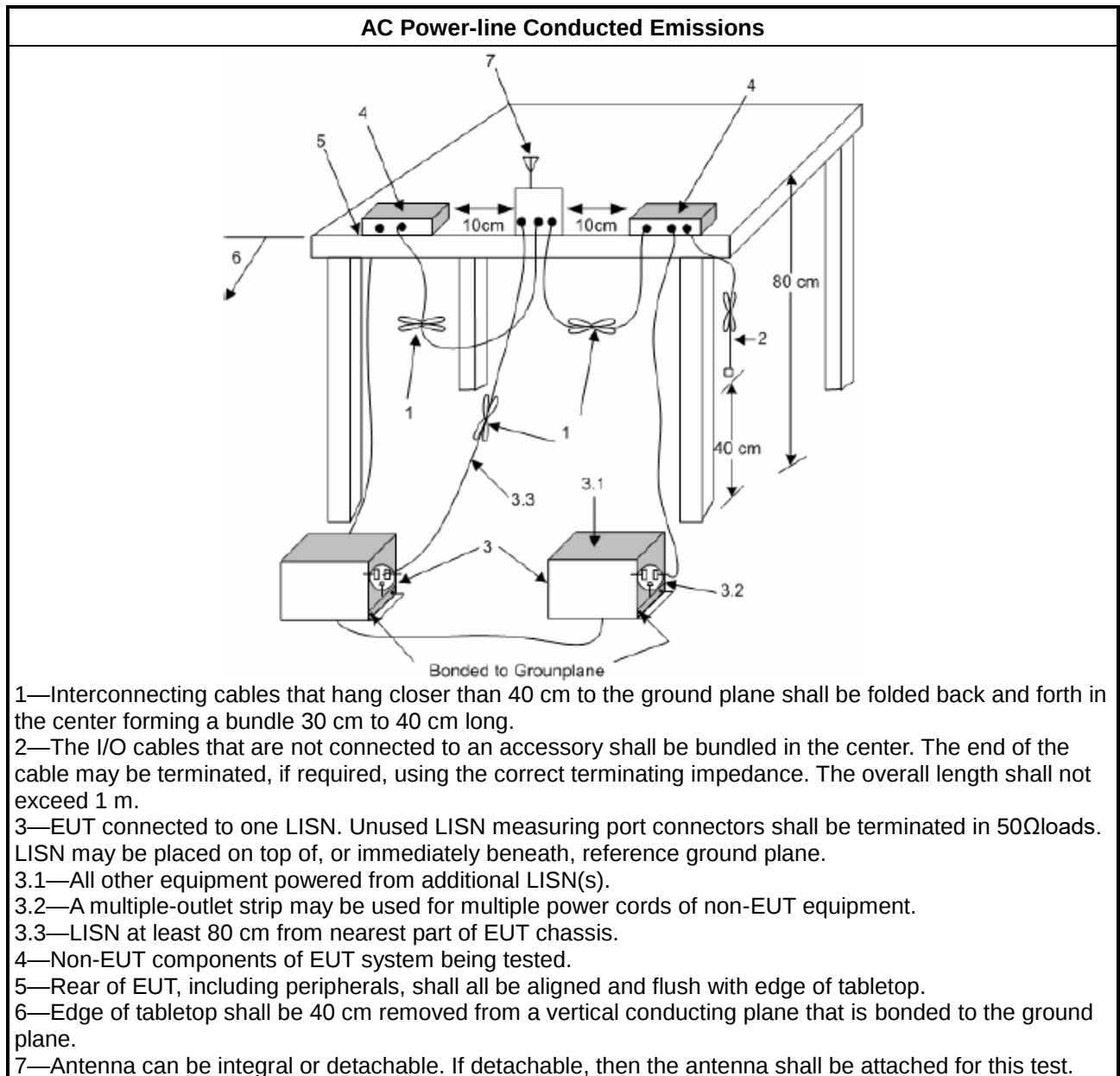
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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.

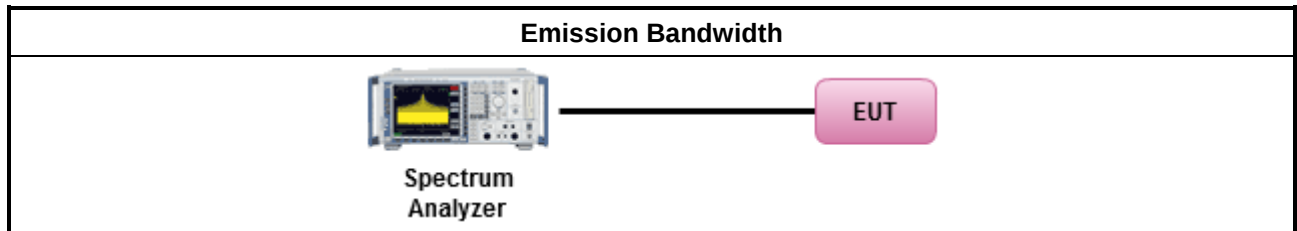
3.2.2 Measuring Instruments

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.	

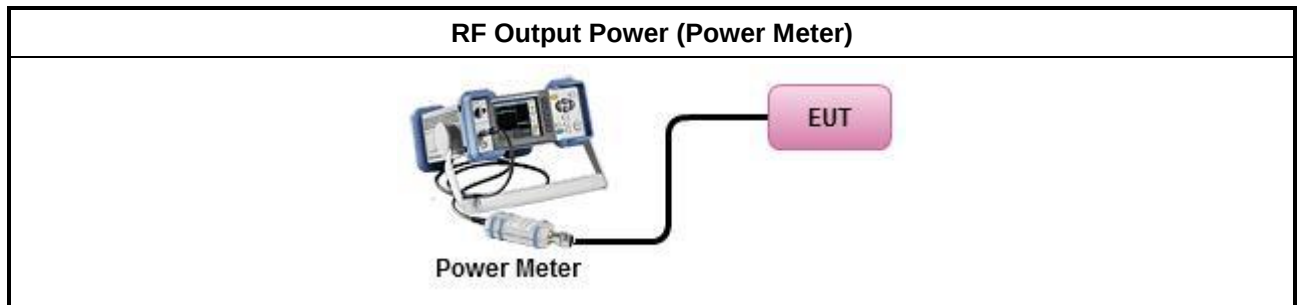
3.3.2 Measuring Instruments

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.	

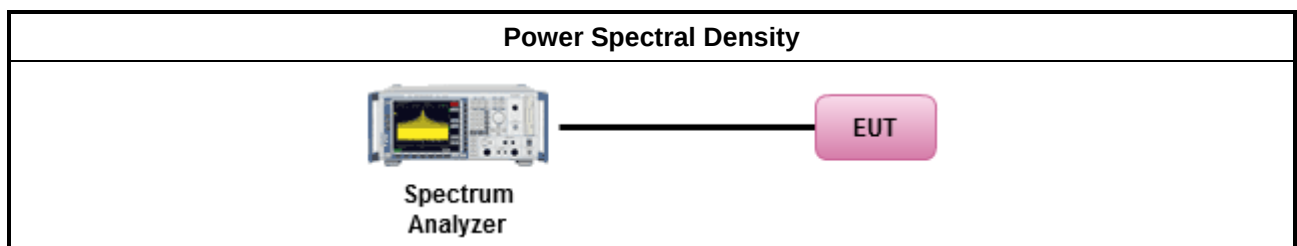
3.4.2 Measuring Instruments

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.

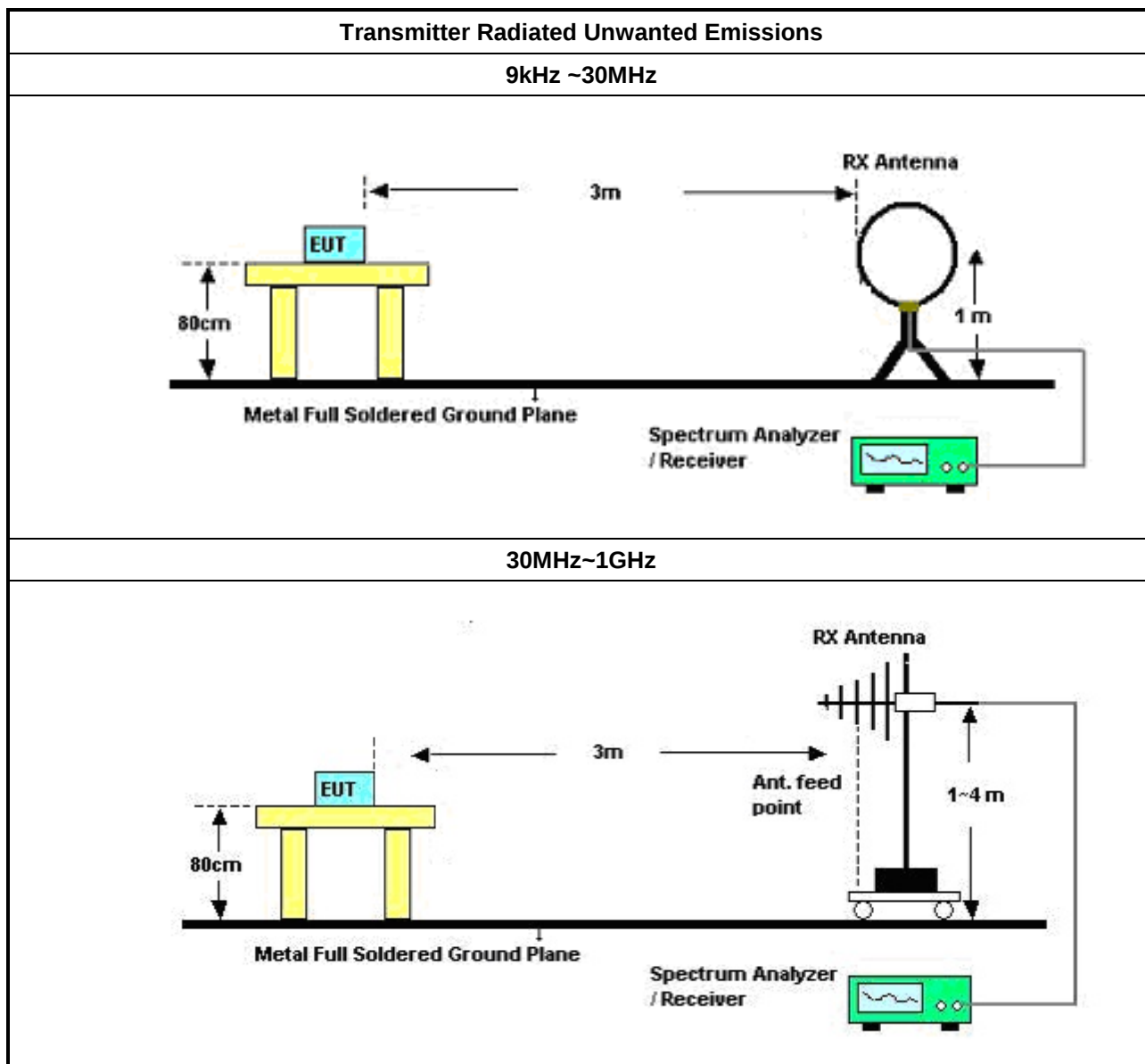
Use the following spectrum analyzer settings:	
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
KDB 414788 Open-Field Test Sites and Chamber 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.

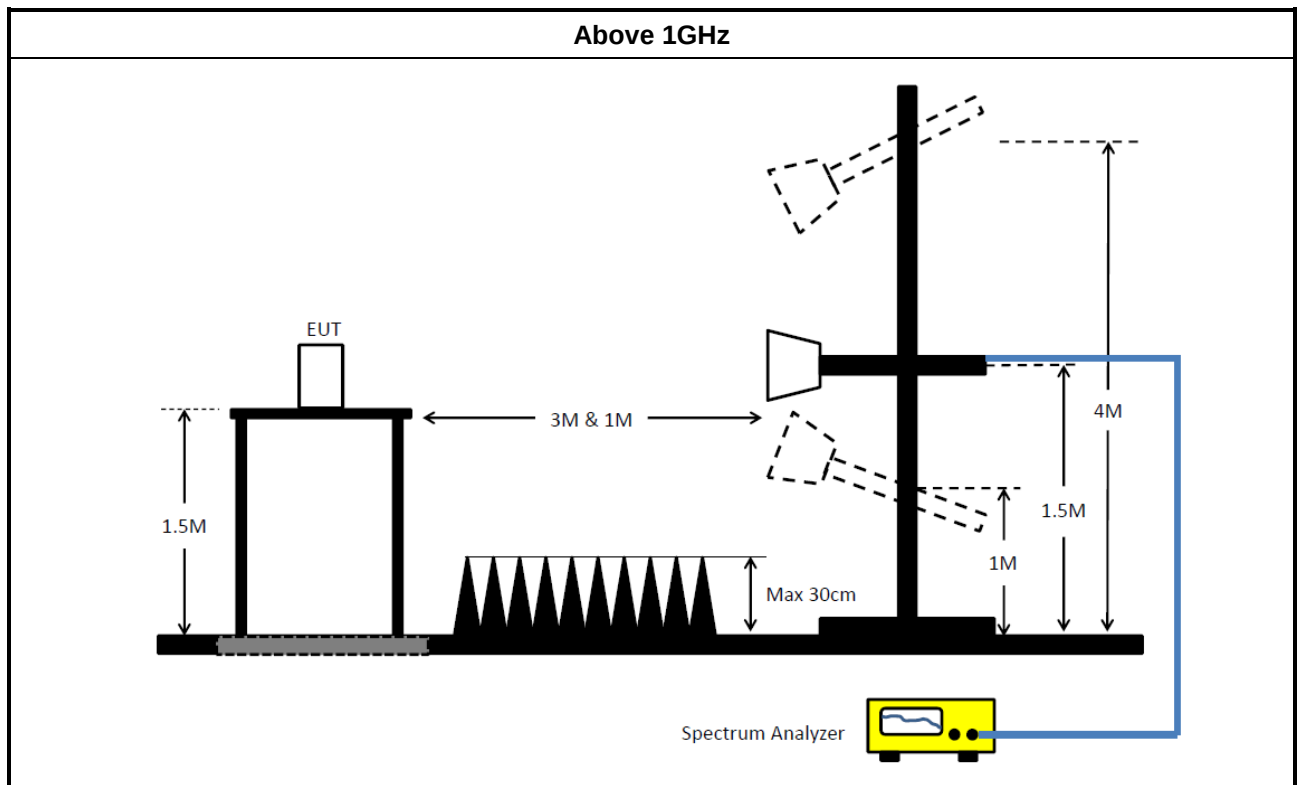
3.5.4 Measurement Results Calculation

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	ROHDE & SCHWARZ	ESR3	102051	9kHz ~ 3.6GHz	17/May/2024	16/May/2025
Two-Line V-Network	ROHDE & SCHWARZ	ENV 216	101274	9kHz ~ 30MHz	18/Jun/2024	17/Jun/2025
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	27/Feb/2024	26/Feb/2025
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	18/Oct/2023	17/Oct/2024
Sporton	SENSE-EMI	V5.11.3	N/A	N/A	N/A	N/A

NCR: No Calibration Required

Instrument for Conducted Test_TH07-HY

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	V5.11.20	N/A	N/A	N/A	N/A

Instrument for Radiated Test_03CH02-HY

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	14/Jul/2024	13/Jul/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1534	1GHz~18GHz	21/Mar/2024	20/Mar/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	04/Jun/2024	03/Jun/2025
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX 104	03CH02-cable-01	1GHz~40GHz	15/Feb/2024	14/Feb/2025
Amplifier	EM	EM01G18G	060870	1GHz~18GHz	12/Aug/2024	11/Aug/2025
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~40GHz	19/Apr/2024	18/Apr/2025
SENSE-EMI	Sporton	V5.11.8	N/A	N/A	N/A	N/A

**Instrument for Radiated Test_03CH03-HY**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	14/Jul/2024	13/Jul/2025
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	14/Jul/2024	13/Jul/2025
EMI Test Receiver	R&S	ESR	102052	9kHz~3.6GHz	03/May/2024	02/May/2025
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	26/Oct/2023	25/Oct/2024
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	19/Mar/2024	18/Mar/2025
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMC	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	15/Oct/2023	14/Oct/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz~18GHz	04/Oct/2023	03/Oct/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	04/Jun/2024	03/Jun/2025
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	12/Jun/2024	11/Jun/2025
RF Cable-R03m	Jye Bao	RG142	03CH03-cable-02	30MHz~1GHz	12/Jun/2024	11/Jun/2025
RF CABLE 5+8m	HUBER+SUHNER	SUOFLEX_104	03CH03-cable-03	1GHz~40GHz	20/Feb/2024	19/Feb/2025
Amplifier	Agilent	8447D	2944A08033	100kHz~1.3GHz	13/Sep/2024	12/Sep/2025
Microwave Premplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	25/Jul/2024	24/Jul/2025
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	19/Apr/2024	18/Apr/2025
SENSE-15407-NII	Sporton	V5.11.20	NA	NA	NA	NA



Conducted Emissions at Powerline

Appendix A

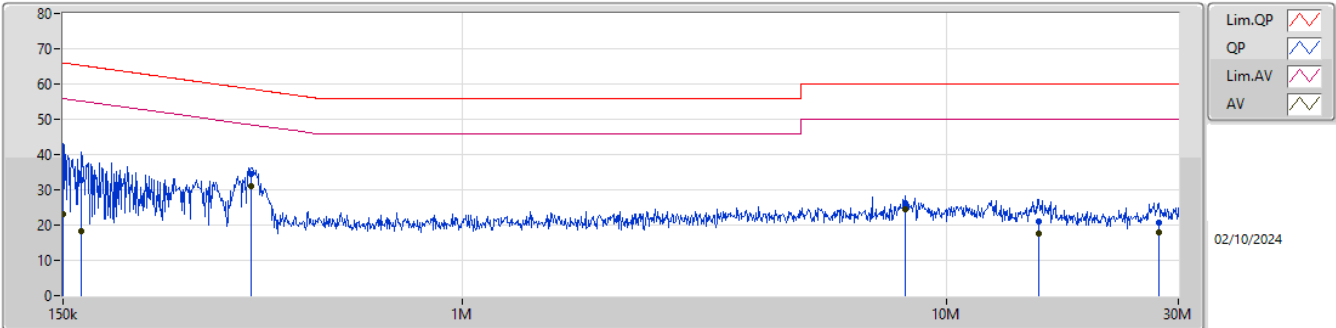
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	363.895k	32.50	48.64	-16.14	Neutral

Result

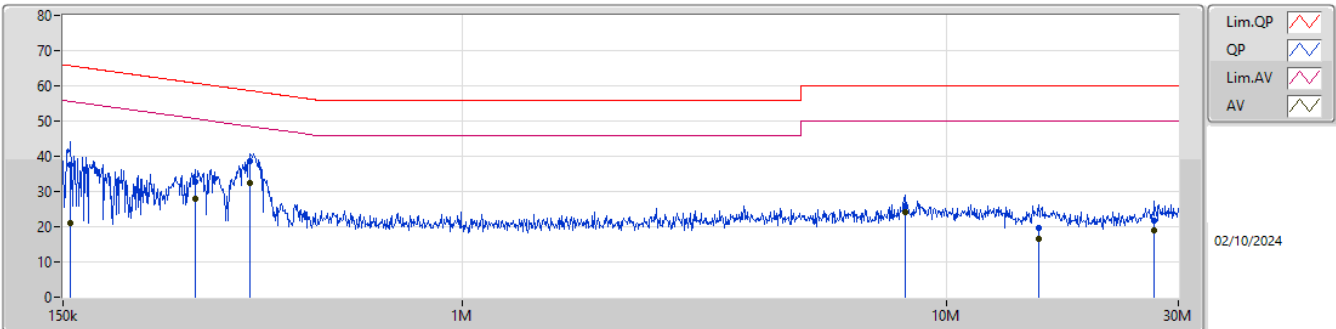
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	150k	38.39	66.00	-27.61	Line
Mode 1	Pass	AV	150k	23.00	56.00	-33.00	Line
Mode 1	Pass	QP	163.769k	32.62	65.27	-32.65	Line
Mode 1	Pass	AV	163.769k	18.18	55.27	-37.09	Line
Mode 1	Pass	QP	366.811k	34.46	58.58	-24.12	Line
Mode 1	Pass	AV	366.811k	31.05	48.58	-17.53	Line
Mode 1	Pass	QP	8.19M	26.30	60.00	-33.70	Line
Mode 1	Pass	AV	8.19M	24.65	50.00	-25.35	Line
Mode 1	Pass	QP	15.45M	21.19	60.00	-38.81	Line
Mode 1	Pass	AV	15.45M	17.68	50.00	-32.32	Line
Mode 1	Pass	QP	27.343M	20.84	60.00	-39.16	Line
Mode 1	Pass	AV	27.343M	17.91	50.00	-32.09	Line
Mode 1	Pass	QP	155.487k	37.42	65.69	-28.27	Neutral
Mode 1	Pass	AV	155.487k	20.94	55.69	-34.75	Neutral
Mode 1	Pass	QP	280.727k	32.60	60.80	-28.20	Neutral
Mode 1	Pass	AV	280.727k	27.88	50.80	-22.92	Neutral
Mode 1	Pass	QP	363.895k	38.46	58.64	-20.18	Neutral
Mode 1	Pass	AV	363.895k	32.50	48.64	-16.14	Neutral
Mode 1	Pass	QP	8.19M	25.92	60.00	-34.08	Neutral
Mode 1	Pass	AV	8.19M	24.30	50.00	-25.70	Neutral
Mode 1	Pass	QP	15.45M	19.72	60.00	-40.28	Neutral
Mode 1	Pass	AV	15.45M	16.70	50.00	-33.30	Neutral
Mode 1	Pass	QP	26.803M	21.76	60.00	-38.24	Neutral
Mode 1	Pass	AV	26.803M	18.87	50.00	-31.13	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	150k	38.39	66.00	-27.61	19.49	Line	-	18.90	9.66	0.07	9.76
AV	150k	23.00	56.00	-33.00	19.49	Line	-	3.51	9.66	0.07	9.76
QP	163.769k	32.62	65.27	-32.65	19.46	Line	-	13.16	9.66	0.07	9.73
AV	163.769k	18.18	55.27	-37.09	19.46	Line	-	-1.28	9.66	0.07	9.73
QP	366.811k	34.46	58.58	-24.12	19.52	Line	-	14.94	9.65	0.12	9.75
AV	366.811k	31.05	48.58	-17.53	19.52	Line	-	11.53	9.65	0.12	9.75
QP	8.19M	26.30	60.00	-33.70	19.55	Line	-	6.75	9.71	0.05	9.79
AV	8.19M	24.65	50.00	-25.35	19.55	Line	-	5.10	9.71	0.05	9.79
QP	15.45M	21.19	60.00	-38.81	19.61	Line	-	1.58	9.69	0.09	9.83
AV	15.45M	17.68	50.00	-32.32	19.61	Line	-	-1.93	9.69	0.09	9.83
QP	27.343M	20.84	60.00	-39.16	19.65	Line	-	1.19	9.62	0.23	9.80
AV	27.343M	17.91	50.00	-32.09	19.65	Line	-	-1.74	9.62	0.23	9.80

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	155.487k	37.42	65.69	-28.27	19.42	Neutral	-	18.00	9.60	0.07	9.75
AV	155.487k	20.94	55.69	-34.75	19.42	Neutral	-	1.52	9.60	0.07	9.75
QP	280.727k	32.60	60.80	-28.20	19.42	Neutral	-	13.18	9.60	0.10	9.72
AV	280.727k	27.88	50.80	-22.92	19.42	Neutral	-	8.46	9.60	0.10	9.72
QP	363.895k	38.46	58.64	-20.18	19.47	Neutral	-	18.99	9.60	0.12	9.75
AV	363.895k	32.50	48.64	-16.14	19.47	Neutral	-	13.03	9.60	0.12	9.75
QP	8.19M	25.92	60.00	-34.08	19.49	Neutral	-	6.43	9.65	0.05	9.79
AV	8.19M	24.30	50.00	-25.70	19.49	Neutral	-	4.81	9.65	0.05	9.79
QP	15.45M	19.72	60.00	-40.28	19.59	Neutral	-	0.13	9.67	0.09	9.83
AV	15.45M	16.70	50.00	-33.30	19.59	Neutral	-	-2.89	9.67	0.09	9.83
QP	26.803M	21.76	60.00	-38.24	19.68	Neutral	-	2.08	9.66	0.21	9.81
AV	26.803M	18.87	50.00	-31.13	19.68	Neutral	-	-0.81	9.66	0.21	9.81

**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	16.555M	16.888M	16M9D1D	16.5M	16.734M
802.11be EHT20_Nss1,(MCS0)_1TX	19.14M	19.09M	19M1D1D	19.085M	19.015M
802.11be EHT40_Nss1,(MCS0)_1TX	38.17M	37.981M	38M0D1D	37.95M	37.931M
802.11be EHT80_Nss1,(MCS0)_1TX	78.32M	77.661M	77M7D1D	78.32M	77.661M

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)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5745MHz	Pass	500k	16.5M	16.888M
5785MHz	Pass	500k	16.5M	16.888M
5825MHz	Pass	500k	16.555M	16.734M
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-
5745MHz	Pass	500k	19.14M	19.015M
5785MHz	Pass	500k	19.085M	19.015M
5825MHz	Pass	500k	19.085M	19.09M
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-
5755MHz	Pass	500k	37.95M	37.931M
5795MHz	Pass	500k	38.17M	37.981M
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-
5775MHz	Pass	500k	78.32M	77.661M

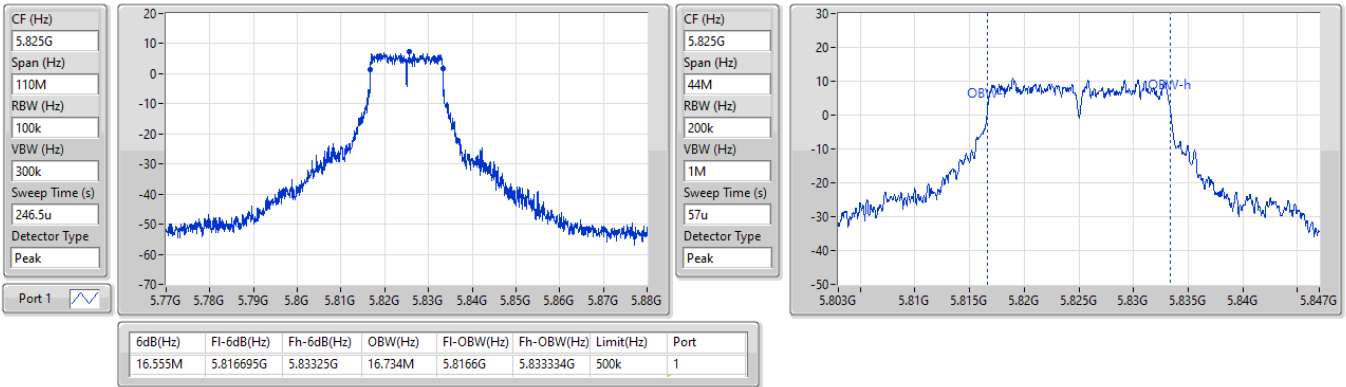
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5825MHz

26/09/2024

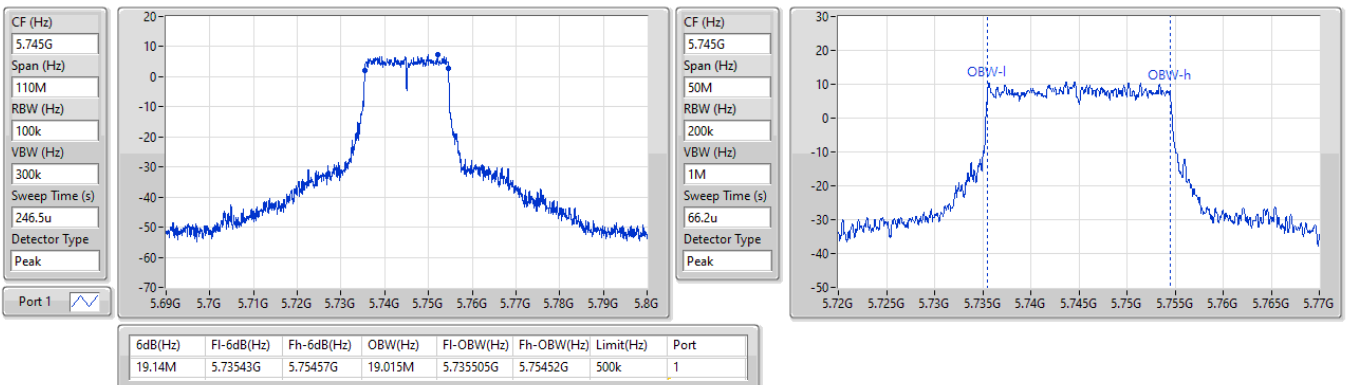


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5745MHz

26/09/2024

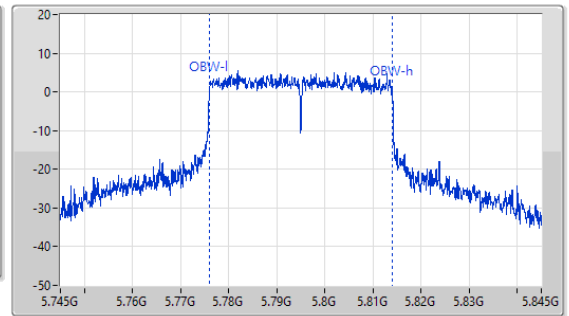
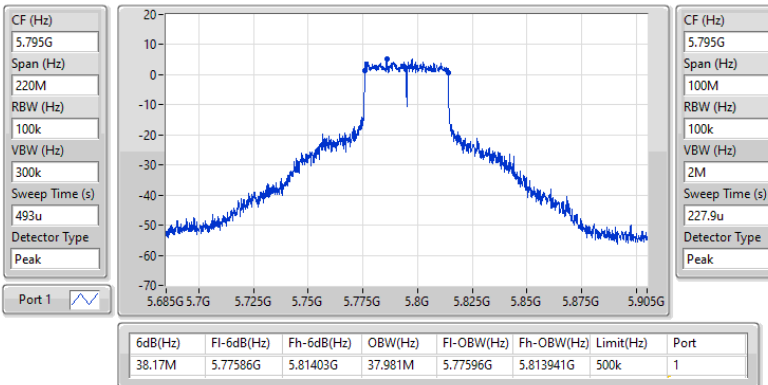


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_1TX

EBW

5795MHz

26/09/2024

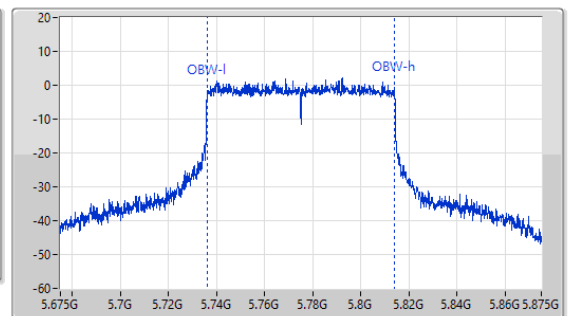
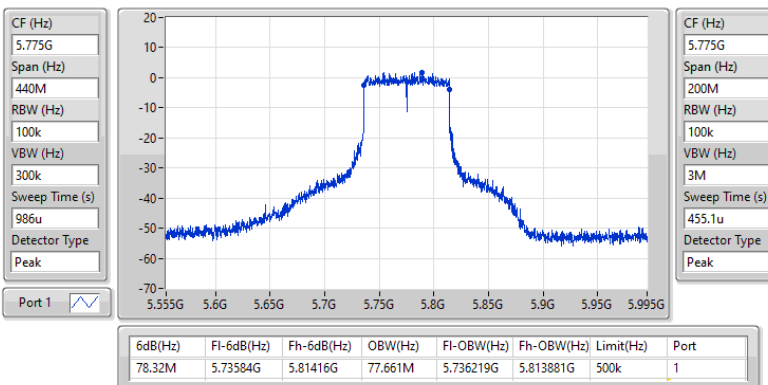


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_1TX

EBW

5775MHz

26/09/2024



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.555M	16.976M	17M0D1D	16.39M	16.58M
802.11be EHT20_Nss1,(MCS0)_2TX	19.14M	19.09M	19M1D1D	19.085M	18.941M
802.11be EHT40_Nss1,(MCS0)_2TX	38.28M	37.981M	38M0D1D	38.06M	37.881M
802.11be EHT80_Nss1,(MCS0)_2TX	78.32M	77.861M	77M9D1D	77.88M	77.561M

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	-	-	-	-	-	-
5745MHz	Pass	500k	16.445M	16.734M	16.5M	16.624M
5785MHz	Pass	500k	16.555M	16.866M	16.555M	16.58M
5825MHz	Pass	500k	16.445M	16.624M	16.39M	16.976M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5745MHz	Pass	500k	19.14M	19.015M	19.085M	19.015M
5785MHz	Pass	500k	19.14M	19.09M	19.085M	19.015M
5825MHz	Pass	500k	19.085M	18.941M	19.085M	19.065M
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5755MHz	Pass	500k	38.17M	37.931M	38.17M	37.931M
5795MHz	Pass	500k	38.28M	37.881M	38.06M	37.981M
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5775MHz	Pass	500k	78.32M	77.861M	77.88M	77.561M

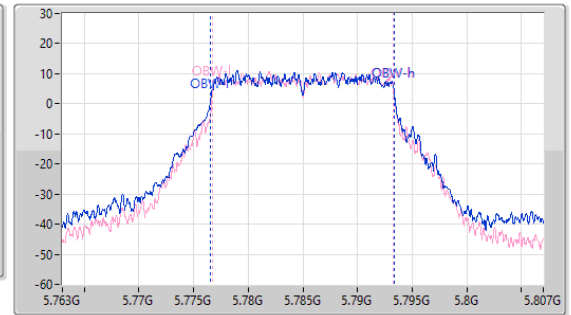
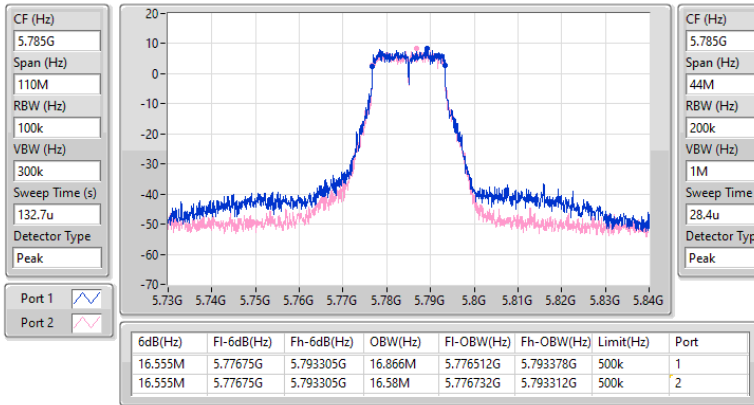
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5785MHz

17/09/2024

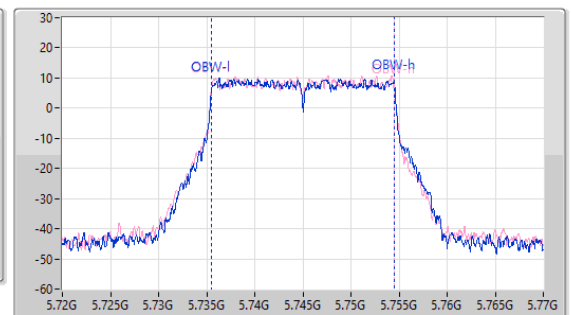
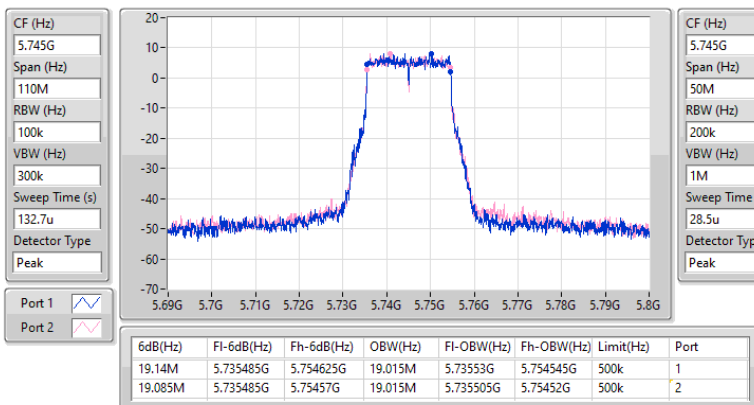


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5745MHz

17/09/2024

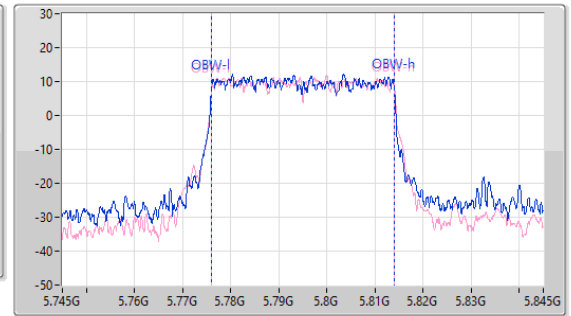
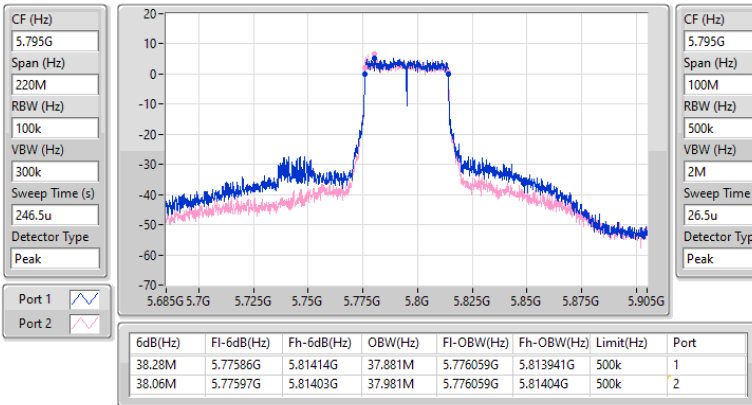


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5795MHz

17/09/2024

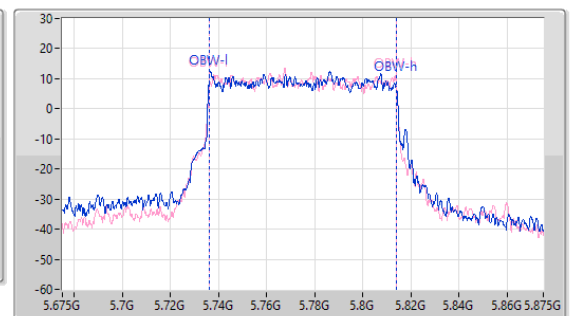
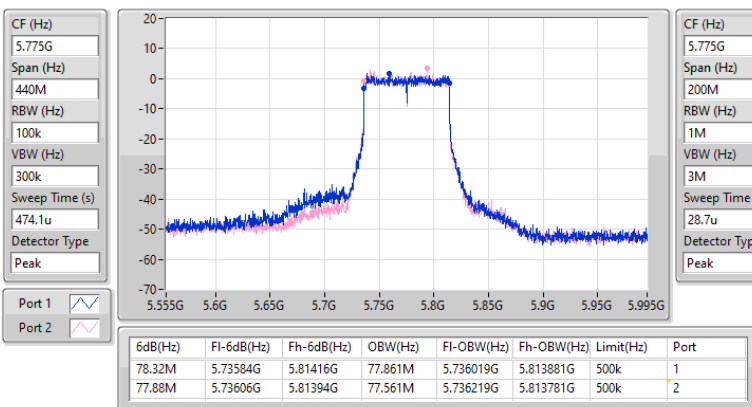


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5775MHz

17/09/2024



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.555M	16.712M	16M7D1D	15.95M	16.536M
802.11be EHT20_Nss1,(MCS0)_4TX	19.14M	19.115M	19M1D1D	19.03M	18.966M
802.11be EHT40_Nss1,(MCS0)_4TX	38.17M	38.231M	38M2D1D	37.95M	37.881M
802.11be EHT80_Nss1,(MCS0)_4TX	78.32M	77.661M	77M7D1D	78.1M	77.161M

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)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	500k	16.335M	16.536M	16.5M	16.69M	16.5M	16.712M	16.5M	16.712M
5785MHz	Pass	500k	15.95M	16.668M	15.95M	16.602M	16.335M	16.558M	16.445M	16.646M
5825MHz	Pass	500k	16.555M	16.712M	16.335M	16.712M	16.445M	16.712M	16.5M	16.69M
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	500k	19.085M	18.991M	19.14M	18.991M	19.085M	19.015M	19.03M	18.991M
5785MHz	Pass	500k	19.085M	19.04M	19.085M	18.991M	19.14M	18.966M	19.085M	19.115M
5825MHz	Pass	500k	19.085M	19.09M	19.085M	19.015M	19.085M	18.966M	19.085M	19.065M
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5755MHz	Pass	500k	38.17M	38.131M	38.17M	37.981M	38.06M	38.231M	38.17M	38.031M
5795MHz	Pass	500k	38.06M	37.931M	37.95M	37.931M	38.17M	37.931M	38.17M	37.881M
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	500k	78.32M	77.661M	78.1M	77.161M	78.32M	77.661M	78.32M	77.661M

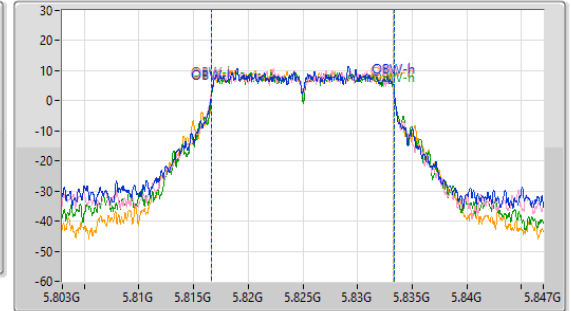
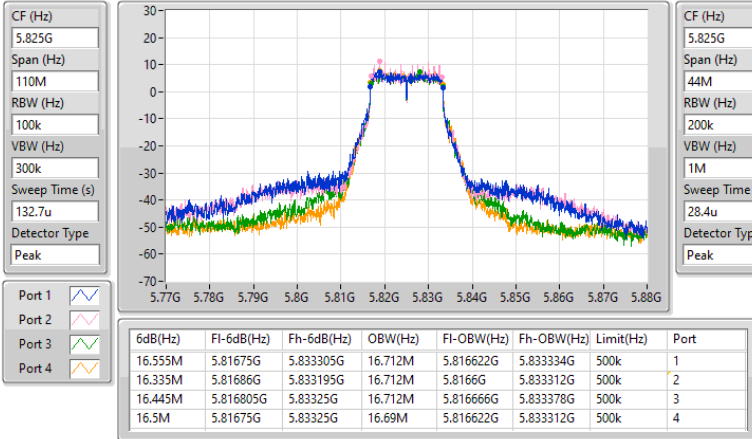
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5825MHz

17/09/2024

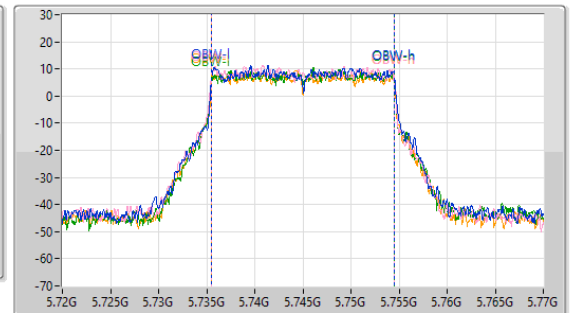
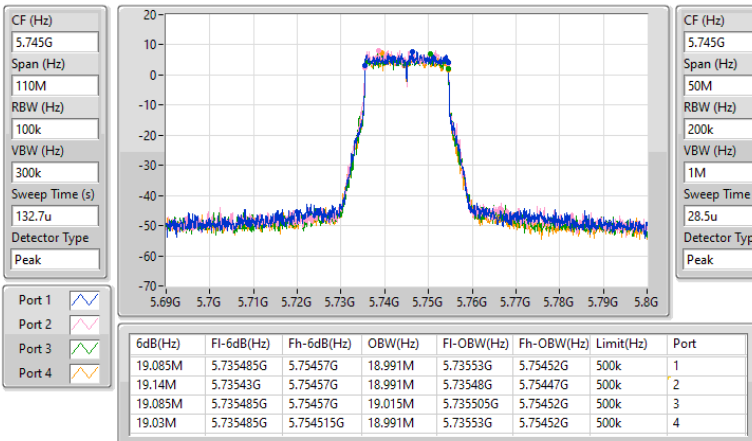


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5745MHz

17/09/2024

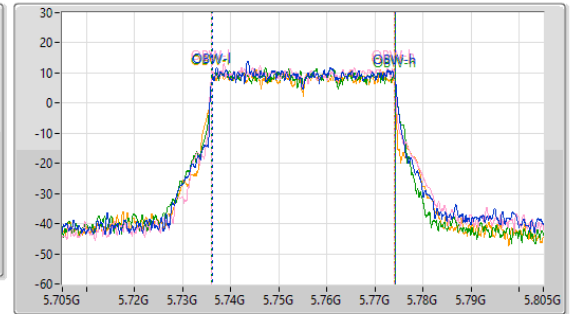
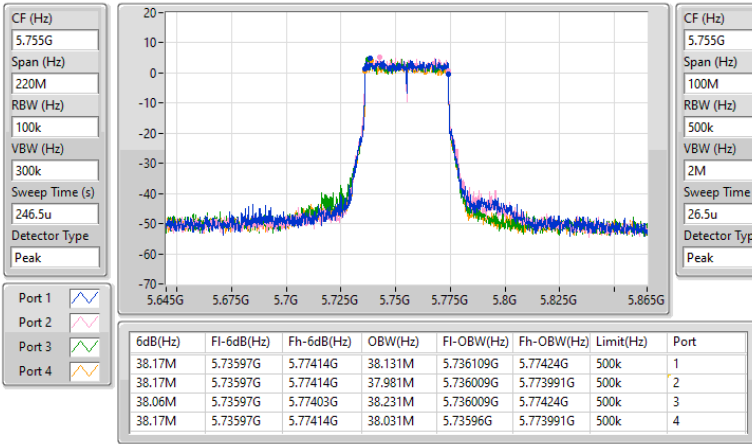


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5755MHz

17/09/2024

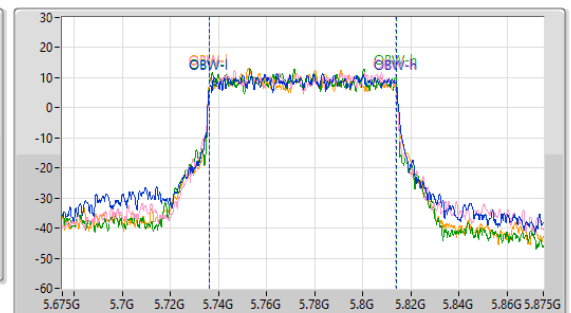
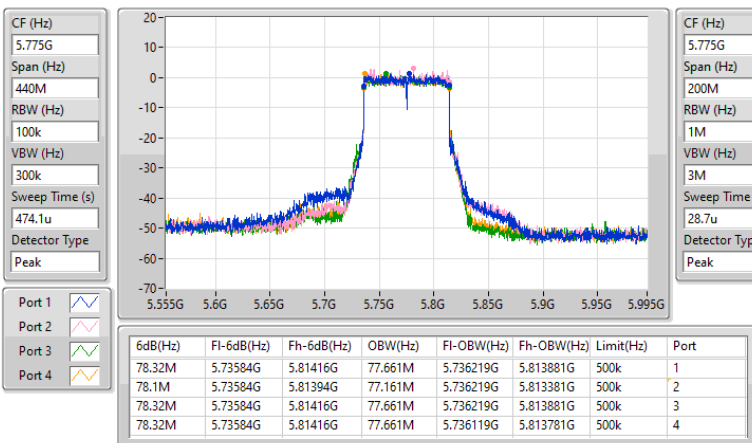


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5775MHz

17/09/2024



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	22.38	0.17298	26.24	0.42073
802.11be EHT20_Nss1,(MCS0)_1TX	22.42	0.17458	26.28	0.42462
802.11be EHT40_Nss1,(MCS0)_1TX	22.72	0.18707	26.58	0.45499
802.11be EHT80_Nss1,(MCS0)_1TX	21.90	0.15488	25.76	0.37670

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5745MHz	Pass	3.86	22.30	22.30	30.00	26.16	Inf
5785MHz	Pass	3.86	22.38	22.38	30.00	26.24	Inf
5825MHz	Pass	3.86	21.93	21.93	30.00	25.79	Inf
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5745MHz	Pass	3.86	22.42	22.42	30.00	26.28	Inf
5785MHz	Pass	3.86	22.39	22.39	30.00	26.25	Inf
5825MHz	Pass	3.86	22.05	22.05	30.00	25.91	Inf
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5755MHz	Pass	3.86	22.32	22.32	30.00	26.18	Inf
5795MHz	Pass	3.86	22.72	22.72	30.00	26.58	Inf
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5775MHz	Pass	3.86	21.90	21.90	30.00	25.76	Inf

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)
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	25.53	0.35727	30.15	1.03514
802.11be EHT20_Nss1,(MCS0)_2TX	25.55	0.35892	30.17	1.03992
802.11be EHT40_Nss1,(MCS0)_2TX	25.39	0.34594	30.01	1.00231
802.11be EHT80_Nss1,(MCS0)_2TX	24.68	0.29376	29.30	0.85114



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	-	-	-	-	-	-	-	-
5745MHz	Pass	4.62	22.41	22.62	25.53	30.00	30.15	Inf
5785MHz	Pass	4.62	22.45	22.22	25.35	30.00	29.97	Inf
5825MHz	Pass	4.62	21.99	21.99	25.00	30.00	29.62	Inf
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5745MHz	Pass	4.62	22.42	22.66	25.55	30.00	30.17	Inf
5785MHz	Pass	4.62	22.41	22.29	25.36	30.00	29.98	Inf
5825MHz	Pass	4.62	22.06	22.14	25.11	30.00	29.73	Inf
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5755MHz	Pass	4.62	22.34	22.31	25.34	30.00	29.96	Inf
5795MHz	Pass	4.62	22.52	22.23	25.39	30.00	30.01	Inf
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5775MHz	Pass	4.62	21.69	21.65	24.68	30.00	29.30	Inf

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)
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	28.13	0.65013	33.05	2.01837
802.11be EHT20_Nss1,(MCS0)_4TX	28.17	0.65615	33.09	2.03704
802.11be EHT40_Nss1,(MCS0)_4TX	28.19	0.65917	33.11	2.04644
802.11be EHT80_Nss1,(MCS0)_4TX	27.57	0.57148	32.49	1.77419



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	4.92	22.31	22.57	21.46	21.31	27.97	30.00	32.89	Inf
5785MHz	Pass	4.92	22.38	22.42	21.94	21.66	28.13	30.00	33.05	Inf
5825MHz	Pass	4.92	21.97	22.02	21.72	22.28	28.02	30.00	32.94	Inf
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	4.92	22.47	22.84	21.69	21.46	28.17	30.00	33.09	Inf
5785MHz	Pass	4.92	22.34	22.40	21.98	21.65	28.12	30.00	33.04	Inf
5825MHz	Pass	4.92	22.02	22.05	21.85	22.22	28.06	30.00	32.98	Inf
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5755MHz	Pass	4.92	22.11	22.44	21.61	21.35	27.92	30.00	32.84	Inf
5795MHz	Pass	4.92	22.59	22.43	21.98	21.62	28.19	30.00	33.11	Inf
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	4.92	21.68	21.78	21.59	21.13	27.57	30.00	32.49	Inf

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)
5.725-5.85GHz	-	-	-	-
802.11be EHT20-BF_Nss1,(MCS0)_2TX	25.40	0.34674	31.43	1.38995
802.11be EHT40-BF_Nss1,(MCS0)_2TX	25.26	0.33574	31.29	1.34586
802.11be EHT80-BF_Nss1,(MCS0)_2TX	24.57	0.28642	30.60	1.14815

**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	-	-	-	-	-	-	-	-
5745MHz	Pass	6.03	22.27	22.51	25.40	29.97	31.43	Inf
5785MHz	Pass	6.03	22.26	22.19	25.24	29.97	31.27	Inf
5825MHz	Pass	6.03	21.96	22.01	25.00	29.97	31.03	Inf
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5755MHz	Pass	6.03	22.23	22.16	25.21	29.97	31.24	Inf
5795MHz	Pass	6.03	22.41	22.08	25.26	29.97	31.29	Inf
802.11be EHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5775MHz	Pass	6.03	21.59	21.53	24.57	29.97	30.60	Inf

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)
5.725-5.85GHz	-	-	-	-
802.11be EHT20-BF_Nss1,(MCS0)_4TX	27.91	0.61802	34.60	2.88403
802.11be EHT40-BF_Nss1,(MCS0)_4TX	27.95	0.62373	34.64	2.91072
802.11be EHT80-BF_Nss1,(MCS0)_4TX	27.32	0.53951	34.01	2.51768

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	6.69	22.22	22.57	21.44	21.17	27.91	29.31	34.60	Inf
5785MHz	Pass	6.69	22.07	22.14	21.72	21.43	27.87	29.31	34.56	Inf
5825MHz	Pass	6.69	21.78	21.82	21.58	21.95	27.81	29.31	34.50	Inf
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5755MHz	Pass	6.69	21.84	22.15	21.36	21.14	27.66	29.31	34.35	Inf
5795MHz	Pass	6.69	22.34	22.20	21.74	21.37	27.95	29.31	34.64	Inf
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	6.69	21.40	21.52	21.39	20.86	27.32	29.31	34.01	Inf

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)
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	7.98	11.84
802.11be EHT20_Nss1,(MCS0)_1TX	7.34	11.20
802.11be EHT40_Nss1,(MCS0)_1TX	4.73	8.59
802.11be EHT80_Nss1,(MCS0)_1TX	0.82	4.68

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



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5745MHz	Pass	3.86	7.89	7.89	30.00	11.75	Inf
5785MHz	Pass	3.86	7.98	7.98	30.00	11.84	Inf
5825MHz	Pass	3.86	7.85	7.85	30.00	11.71	Inf
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5745MHz	Pass	3.86	7.34	7.34	30.00	11.20	Inf
5785MHz	Pass	3.86	7.26	7.26	30.00	11.12	Inf
5825MHz	Pass	3.86	7.25	7.25	30.00	11.11	Inf
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5755MHz	Pass	3.86	4.32	4.32	30.00	8.18	Inf
5795MHz	Pass	3.86	4.73	4.73	30.00	8.59	Inf
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5775MHz	Pass	3.86	0.82	0.82	30.00	4.68	Inf

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.

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5785MHz

26/09/2024

CF (Hz)
5.785G

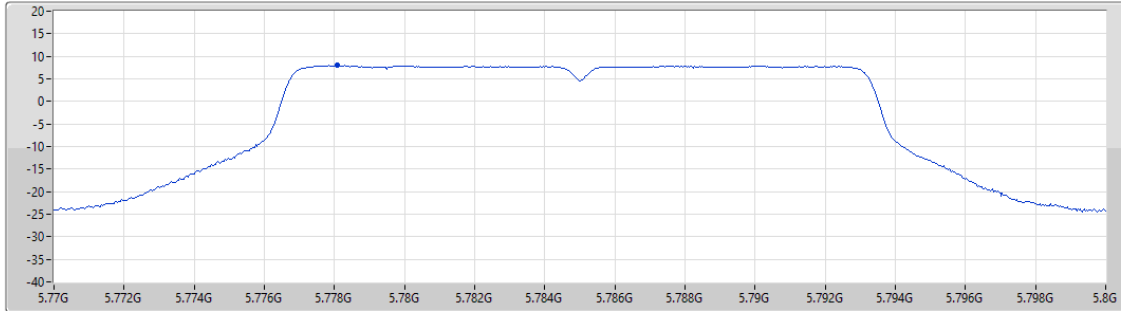
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
19.939

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.98	7.98	7.98

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5745MHz

26/09/2024

CF (Hz)
5.745G

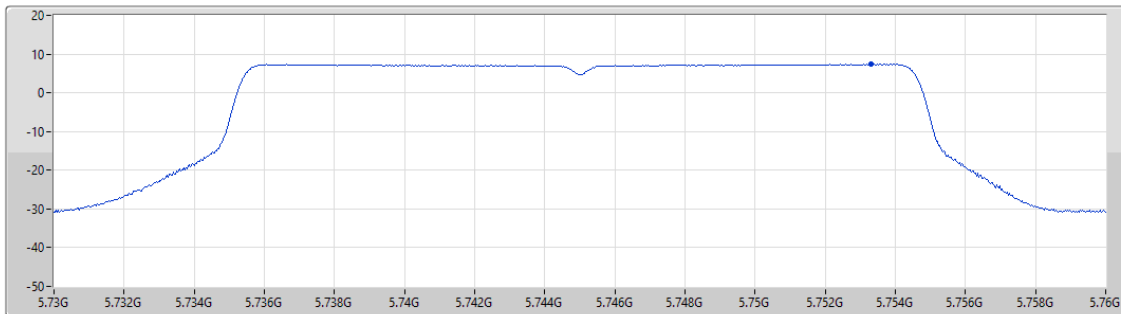
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
54.744

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.34	7.34	7.34

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

5795MHz

26/09/2024

CF (Hz)
5.795G

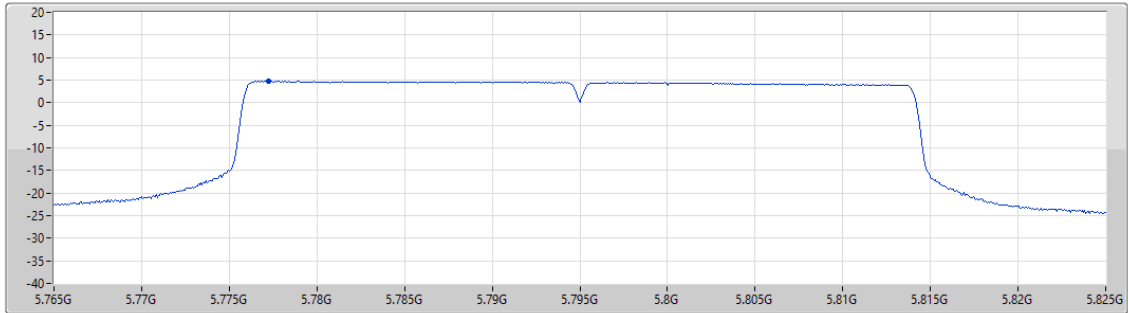
Span (Hz)
60M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
54.744

Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.73	4.73	4.73

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_1TX

PSD

5775MHz

26/09/2024

CF (Hz)
5.775G

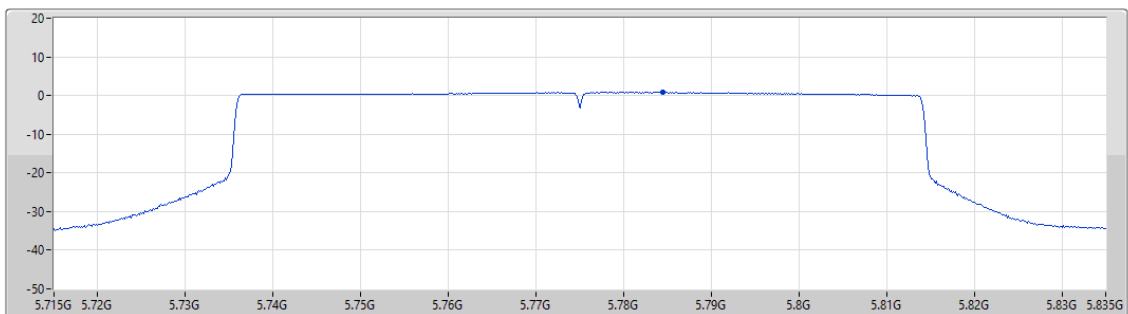
Span (Hz)
120M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
54.744

Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.82	0.82	0.82



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	11.19	17.22
802.11be EHT20_Nss1,(MCS0)_2TX	10.79	16.82
802.11be EHT40_Nss1,(MCS0)_2TX	7.67	13.70
802.11be EHT80_Nss1,(MCS0)_2TX	3.89	9.92

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	-	-	-	-	-	-	-	-
5745MHz	Pass	6.03	8.22	8.34	11.19	29.97	17.22	Inf
5785MHz	Pass	6.03	8.22	7.90	10.96	29.97	16.99	Inf
5825MHz	Pass	6.03	7.91	7.82	10.83	29.97	16.86	Inf
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5745MHz	Pass	6.03	7.87	7.73	10.79	29.97	16.82	Inf
5785MHz	Pass	6.03	7.74	7.32	10.45	29.97	16.48	Inf
5825MHz	Pass	6.03	7.43	7.41	10.39	29.97	16.42	Inf
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5755MHz	Pass	6.03	4.75	4.76	7.67	29.97	13.70	Inf
5795MHz	Pass	6.03	5.03	4.60	7.66	29.97	13.69	Inf
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5775MHz	Pass	6.03	1.07	0.98	3.89	29.97	9.92	Inf

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.

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

PSD

5745MHz

17/09/2024

CF (Hz)
5.745G

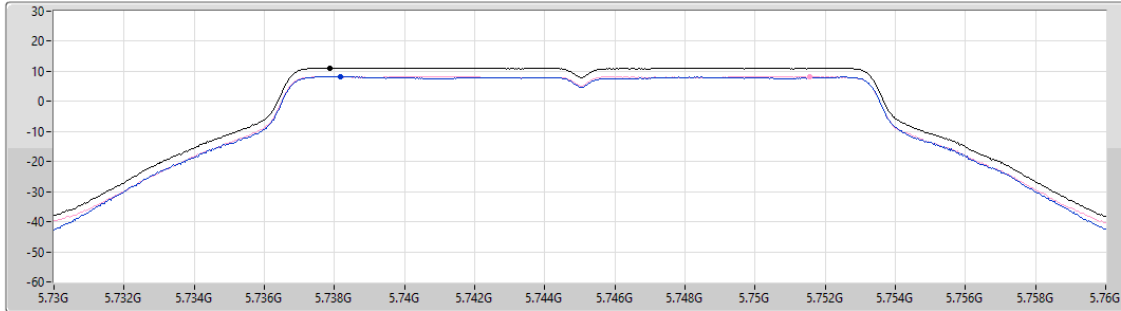
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
14.509

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
11.19	11.19	8.22	8.34

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

PSD

5745MHz

17/09/2024

CF (Hz)
5.745G

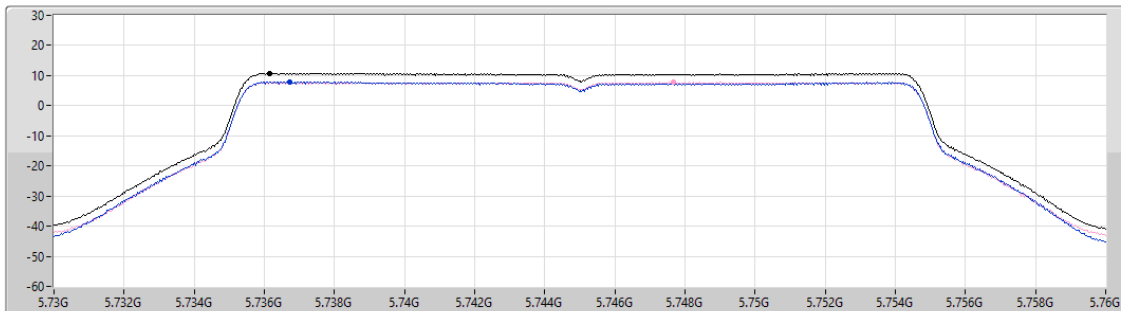
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
45.923

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
10.79	10.79	7.87	7.73

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

PSD

5755MHz

17/09/2024

CF (Hz)
5.755G

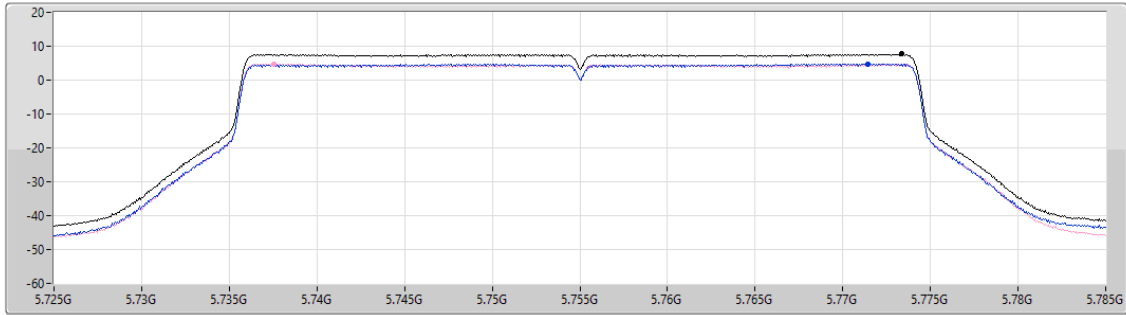
Span (Hz)
60M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
23.681

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.67	7.67	4.75	4.76

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

PSD

5775MHz

17/09/2024

CF (Hz)
5.775G

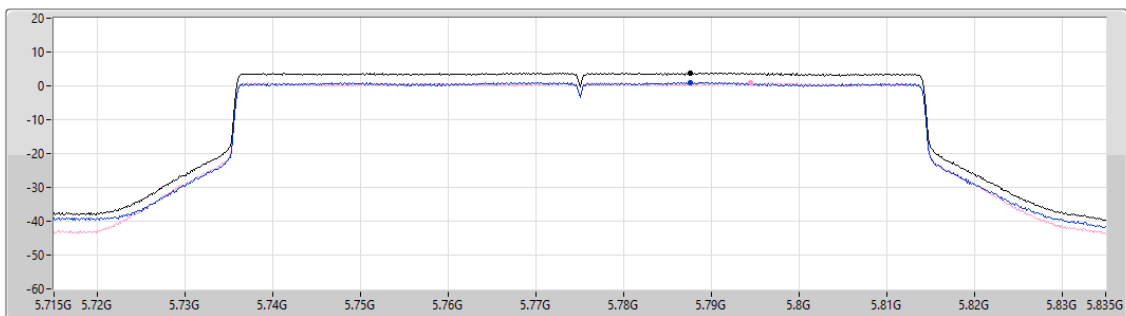
Span (Hz)
120M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
21.929

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.89	3.89	1.07	0.98



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	13.86	20.55
802.11be EHT20_Nss1,(MCS0)_4TX	13.45	20.14
802.11be EHT40_Nss1,(MCS0)_4TX	10.34	17.03
802.11be EHT80_Nss1,(MCS0)_4TX	6.81	13.50

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)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	6.69	8.05	8.43	7.16	6.88	13.56	29.31	20.25	Inf
5785MHz	Pass	6.69	8.00	8.19	7.61	7.49	13.72	29.31	20.41	Inf
5825MHz	Pass	6.69	7.88	7.87	7.54	8.21	13.86	29.31	20.55	Inf
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	6.69	7.61	8.22	6.80	6.61	13.29	29.31	19.98	Inf
5785MHz	Pass	6.69	7.46	7.70	7.09	6.84	13.22	29.31	19.91	Inf
5825MHz	Pass	6.69	7.49	7.63	7.23	7.54	13.45	29.31	20.14	Inf
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5755MHz	Pass	6.69	4.40	4.66	4.02	3.78	10.14	29.31	16.83	Inf
5795MHz	Pass	6.69	4.99	4.68	4.33	3.78	10.34	29.31	17.03	Inf
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	6.69	1.05	1.06	1.13	0.75	6.81	29.31	13.50	Inf

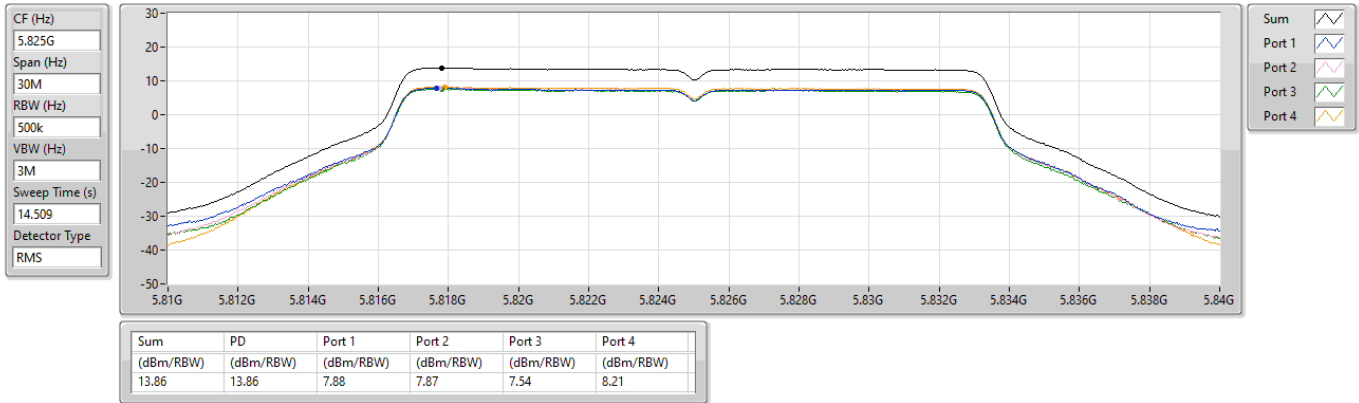
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5825MHz

17/09/2024

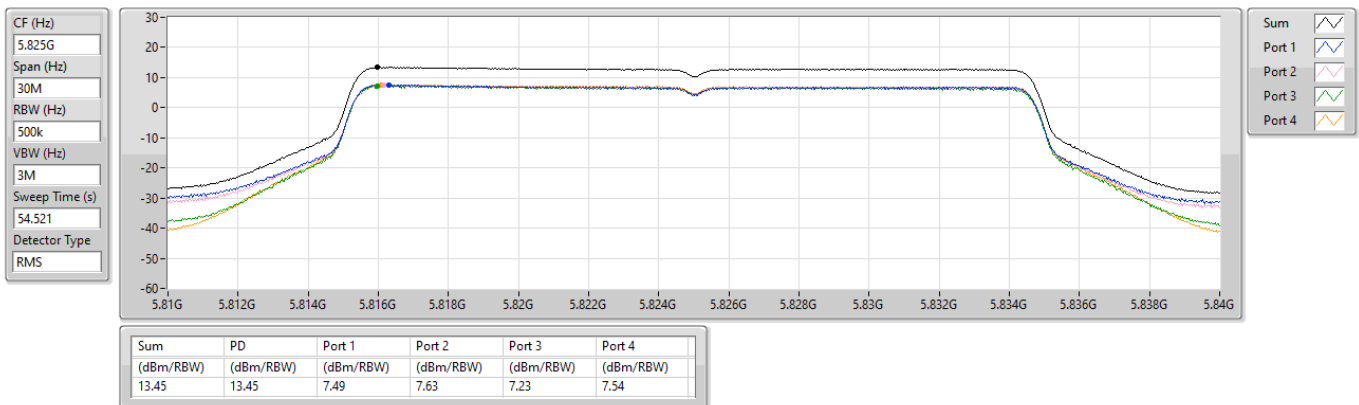


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5825MHz

17/09/2024



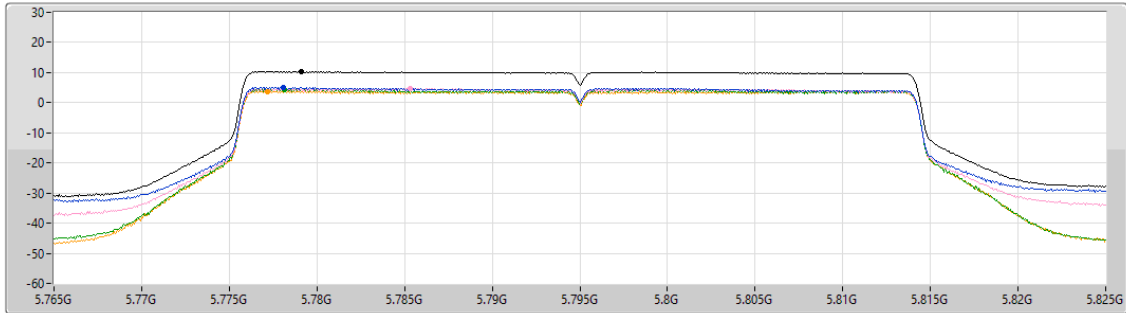
5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

PSD

5795MHz

17/09/2024

CF (Hz)
5.795G
Span (Hz)
60M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
46.237
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.34	10.34	4.99	4.68	4.33	3.78

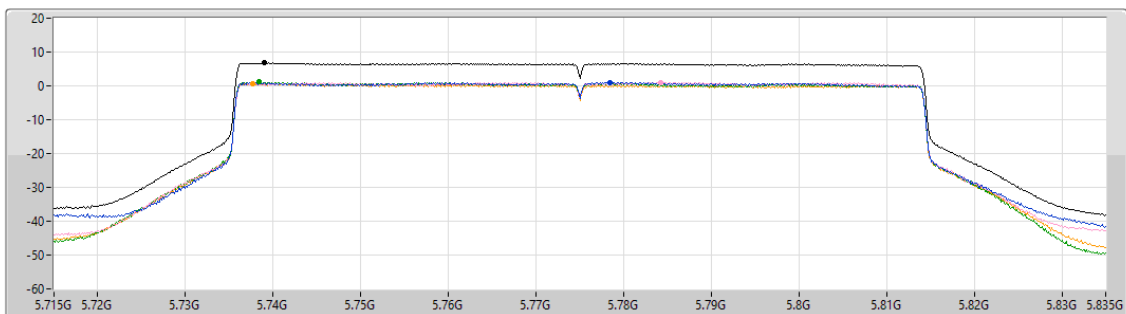
5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_4TX

PSD

5775MHz

17/09/2024

CF (Hz)
5.775G
Span (Hz)
120M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
22.65
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.81	6.81	1.05	1.06	1.13	0.75



Summary

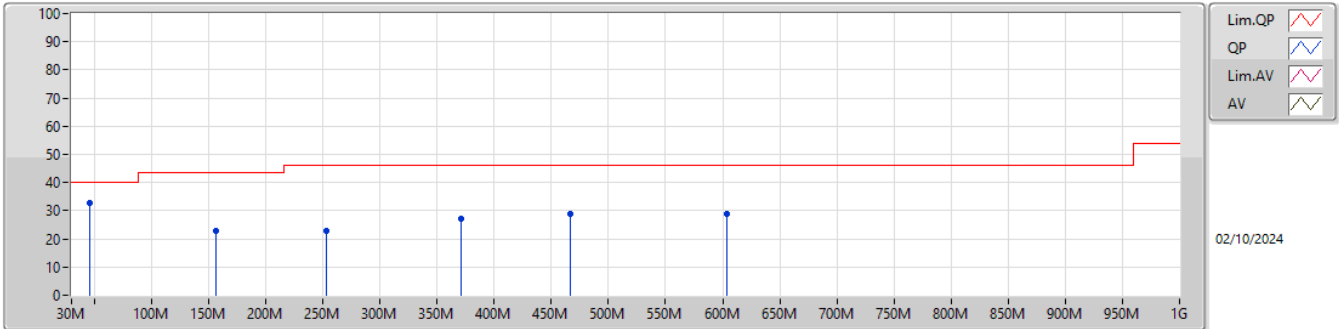
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	PK	45.52M	32.84	40.00	-7.16	3	Vertical	0	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
5785MHz_PoE	Pass	PK	45.52M	32.84	40.00	-7.16	3	Vertical	0	1.00
5785MHz_PoE	Pass	PK	156.1M	22.65	43.50	-20.85	3	Vertical	0	1.00
5785MHz_PoE	Pass	PK	253.1M	23.03	46.00	-22.97	3	Vertical	0	1.00
5785MHz_PoE	Pass	PK	371.44M	27.00	46.00	-19.00	3	Vertical	0	1.00
5785MHz_PoE	Pass	PK	466.5M	28.82	46.00	-17.18	3	Vertical	0	1.00
5785MHz_PoE	Pass	PK	604.24M	28.91	46.00	-17.09	3	Vertical	0	1.00
5785MHz_PoE	Pass	PK	31.94M	24.24	40.00	-15.76	3	Horizontal	360	1.00
5785MHz_PoE	Pass	PK	111.48M	24.94	43.50	-18.56	3	Horizontal	360	1.00
5785MHz_PoE	Pass	PK	247.28M	26.10	46.00	-19.90	3	Horizontal	360	1.00
5785MHz_PoE	Pass	PK	385.02M	26.02	46.00	-19.98	3	Horizontal	360	1.00
5785MHz_PoE	Pass	PK	468.44M	28.45	46.00	-17.55	3	Horizontal	360	1.00
5785MHz_PoE	Pass	PK	565.44M	30.44	46.00	-15.56	3	Horizontal	360	1.00

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

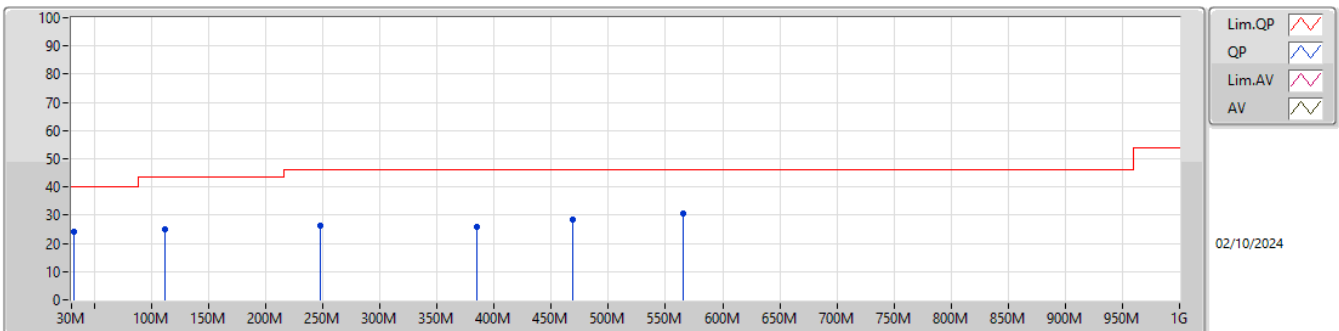
5785MHz_PoE



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	45.52M	32.84	40.00	-7.16	-11.72	3	Vertical	0	1.00	44.56	15.26	0.38	27.36
PK	156.1M	22.65	43.50	-20.85	-10.31	3	Vertical	0	1.00	32.96	15.13	1.68	27.12
PK	253.1M	23.03	46.00	-22.97	-6.66	3	Vertical	0	1.00	29.69	17.92	2.16	26.74
PK	371.44M	27.00	46.00	-19.00	-4.64	3	Vertical	0	1.00	31.64	20.01	2.59	27.24
PK	466.5M	28.82	46.00	-17.18	-2.29	3	Vertical	0	1.00	31.11	22.66	3.01	27.96
PK	604.24M	28.91	46.00	-17.09	-0.62	3	Vertical	0	1.00	29.53	24.02	3.59	28.23

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

5785MHz_PoE



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	31.94M	24.24	40.00	-15.76	-4.64	3	Horizontal	360	1.00	28.88	22.60	0.26	27.50
PK	111.48M	24.94	43.50	-18.56	-8.80	3	Horizontal	360	1.00	33.74	17.31	1.14	27.25
PK	247.28M	26.10	46.00	-19.90	-7.28	3	Horizontal	360	1.00	33.38	17.32	2.15	26.75
PK	385.02M	26.02	46.00	-19.98	-4.44	3	Horizontal	360	1.00	30.46	20.28	2.64	27.36
PK	468.44M	28.45	46.00	-17.55	-2.25	3	Horizontal	360	1.00	30.70	22.69	3.03	27.97
PK	565.44M	30.44	46.00	-15.56	-0.57	3	Horizontal	360	1.00	31.01	24.15	3.47	28.19



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	PK	5.9618G	63.77	68.20	-4.43	3	Vertical	38	2.23
802.11be EHT20_Nss1,(MCS0)_1TX	Pass	PK	5.9778G	63.28	68.20	-4.92	3	Vertical	35	2.55
802.11be EHT40_Nss1,(MCS0)_1TX	Pass	PK	5.6446G	66.16	68.20	-2.04	3	Vertical	36	2.48
802.11be EHT80_Nss1,(MCS0)_1TX	Pass	PK	5.6466G	67.58	68.20	-0.62	3	Vertical	35	2.48

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	AV	5.4594G	48.50	54.00	-5.50	3	Vertical	35	2.55
5745MHz	Pass	AV	5.7522G	106.91	Inf	-Inf	3	Vertical	35	2.55
5745MHz	Pass	PK	5.6286G	61.21	68.20	-6.99	3	Vertical	35	2.55
5745MHz	Pass	PK	5.7522G	115.25	Inf	-Inf	3	Vertical	35	2.55
5745MHz	Pass	PK	5.955G	63.68	68.20	-4.52	3	Vertical	35	2.55
5745MHz	Pass	AV	11.49032G	42.89	54.00	-11.11	3	Vertical	245	1.54
5745MHz	Pass	PK	11.48802G	55.86	74.00	-18.14	3	Vertical	245	1.54
5745MHz	Pass	AV	11.49042G	42.89	54.00	-11.11	3	Horizontal	0	1.57
5745MHz	Pass	PK	11.49422G	55.84	74.00	-18.16	3	Horizontal	0	1.57
5785MHz	Pass	AV	5.7826G	107.45	Inf	-Inf	3	Vertical	37	2.23
5785MHz	Pass	PK	5.629G	61.18	68.20	-7.02	3	Vertical	37	2.23
5785MHz	Pass	PK	5.7826G	116.20	Inf	-Inf	3	Vertical	37	2.23
5785MHz	Pass	PK	5.9938G	63.29	68.20	-4.91	3	Vertical	37	2.23
5785MHz	Pass	AV	11.57186G	43.82	54.00	-10.18	3	Vertical	242	3.00
5785MHz	Pass	PK	11.56516G	56.81	74.00	-17.19	3	Vertical	242	3.00
5785MHz	Pass	AV	11.56998G	43.83	54.00	-10.17	3	Horizontal	315	1.51
5785MHz	Pass	PK	11.57458G	57.53	74.00	-16.47	3	Horizontal	315	1.51
5825MHz	Pass	AV	5.8178G	106.39	Inf	-Inf	3	Vertical	38	2.23
5825MHz	Pass	PK	5.573G	61.27	68.20	-6.93	3	Vertical	38	2.23
5825MHz	Pass	PK	5.8178G	114.83	Inf	-Inf	3	Vertical	38	2.23
5825MHz	Pass	PK	5.9618G	63.77	68.20	-4.43	3	Vertical	38	2.23
5825MHz	Pass	AV	11.64526G	44.02	54.00	-9.98	3	Vertical	268	2.10
5825MHz	Pass	PK	11.64842G	57.10	74.00	-16.90	3	Vertical	268	2.10
5825MHz	Pass	AV	11.64518G	44.02	54.00	-9.98	3	Horizontal	119	1.53
5825MHz	Pass	PK	11.65096G	57.01	74.00	-16.99	3	Horizontal	119	1.53
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	AV	5.4582G	48.31	54.00	-5.69	3	Vertical	35	2.55
5745MHz	Pass	AV	5.7534G	106.58	Inf	-Inf	3	Vertical	35	2.55
5745MHz	Pass	PK	5.6286G	60.98	68.20	-7.22	3	Vertical	35	2.55
5745MHz	Pass	PK	5.7522G	118.30	Inf	-Inf	3	Vertical	35	2.55
5745MHz	Pass	PK	5.9778G	63.28	68.20	-4.92	3	Vertical	35	2.55
5745MHz	Pass	AV	11.49028G	42.89	54.00	-11.11	3	Vertical	289	1.51
5745MHz	Pass	PK	11.48914G	55.75	74.00	-18.25	3	Vertical	289	1.51
5745MHz	Pass	AV	11.49032G	42.89	54.00	-11.11	3	Horizontal	85	2.17
5745MHz	Pass	PK	11.488G	56.77	74.00	-17.23	3	Horizontal	85	2.17
5785MHz	Pass	AV	5.7766G	106.82	Inf	-Inf	3	Vertical	36	2.36
5785MHz	Pass	PK	5.6386G	61.03	68.20	-7.17	3	Vertical	36	2.36
5785MHz	Pass	PK	5.7898G	118.16	Inf	-Inf	3	Vertical	36	2.36
5785MHz	Pass	PK	6.0838G	62.49	68.20	-5.71	3	Vertical	36	2.36
5785MHz	Pass	AV	11.57204G	43.82	54.00	-10.18	3	Vertical	19	2.71
5785MHz	Pass	PK	11.57218G	56.87	74.00	-17.13	3	Vertical	19	2.71
5785MHz	Pass	AV	11.56936G	43.83	54.00	-10.17	3	Horizontal	311	1.00
5785MHz	Pass	PK	11.56686G	56.97	74.00	-17.03	3	Horizontal	311	1.00
5825MHz	Pass	AV	5.8166G	105.99	Inf	-Inf	3	Vertical	38	2.38
5825MHz	Pass	PK	5.573G	61.09	68.20	-7.11	3	Vertical	38	2.38
5825MHz	Pass	PK	5.819G	117.62	Inf	-Inf	3	Vertical	38	2.38
5825MHz	Pass	PK	6.0386G	62.94	68.20	-5.26	3	Vertical	38	2.38
5825MHz	Pass	AV	11.64504G	44.02	54.00	-9.98	3	Vertical	158	1.55
5825MHz	Pass	PK	11.64754G	57.08	74.00	-16.92	3	Vertical	158	1.55
5825MHz	Pass	AV	11.64516G	44.02	54.00	-9.98	3	Horizontal	290	1.51
5825MHz	Pass	PK	11.64714G	57.22	74.00	-16.78	3	Horizontal	290	1.51
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5755MHz	Pass	AV	5.4562G	48.66	54.00	-5.34	3	Vertical	36	2.48
5755MHz	Pass	AV	5.773G	103.78	Inf	-Inf	3	Vertical	36	2.48
5755MHz	Pass	PK	5.6446G	66.16	68.20	-2.04	3	Vertical	36	2.48
5755MHz	Pass	PK	5.7598G	114.65	Inf	-Inf	3	Vertical	36	2.48
5755MHz	Pass	PK	6.0034G	63.16	68.20	-5.04	3	Vertical	36	2.48
5755MHz	Pass	AV	11.50944G	44.11	54.00	-9.89	3	Vertical	76	1.50
5755MHz	Pass	PK	11.50596G	56.75	74.00	-17.25	3	Vertical	76	1.50
5755MHz	Pass	AV	11.50676G	44.09	54.00	-9.91	3	Horizontal	27	2.93



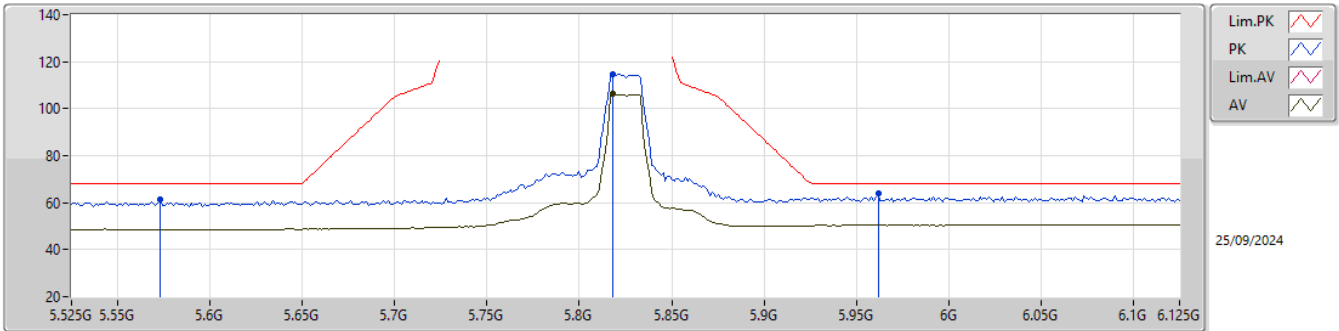
RSE TX above 1GHz Non-Beamforming Radio2 1T1S

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5755MHz	Pass	PK	11.50904G	56.65	74.00	-17.35	3	Horizontal	27	2.93
5795MHz	Pass	AV	5.7818G	103.93	Inf	-Inf	3	Vertical	37	2.24
5795MHz	Pass	PK	5.6486G	62.62	68.20	-5.58	3	Vertical	37	2.24
5795MHz	Pass	PK	5.7806G	115.31	Inf	-Inf	3	Vertical	37	2.24
5795MHz	Pass	PK	6.059G	63.50	68.20	-4.70	3	Vertical	37	2.24
5795MHz	Pass	AV	11.58824G	44.23	54.00	-9.77	3	Vertical	178	1.59
5795MHz	Pass	PK	11.59106G	57.02	74.00	-16.98	3	Vertical	178	1.59
5795MHz	Pass	AV	11.58698G	44.24	54.00	-9.76	3	Horizontal	173	1.53
5795MHz	Pass	PK	11.58506G	57.07	74.00	-16.93	3	Horizontal	173	1.53
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	AV	5.7714G	100.45	Inf	-Inf	3	Vertical	35	2.48
5775MHz	Pass	PK	5.6466G	67.58	68.20	-0.62	3	Vertical	35	2.48
5775MHz	Pass	PK	5.7774G	112.70	Inf	-Inf	3	Vertical	35	2.48
5775MHz	Pass	PK	6.0402G	63.39	68.20	-4.81	3	Vertical	35	2.48
5775MHz	Pass	AV	11.54932G	44.38	54.00	-9.62	3	Vertical	282	1.50
5775MHz	Pass	PK	11.54524G	56.88	74.00	-17.12	3	Vertical	282	1.50
5775MHz	Pass	AV	11.54676G	44.36	54.00	-9.64	3	Horizontal	79	3.00
5775MHz	Pass	PK	11.55204G	56.91	74.00	-17.09	3	Horizontal	79	3.00

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

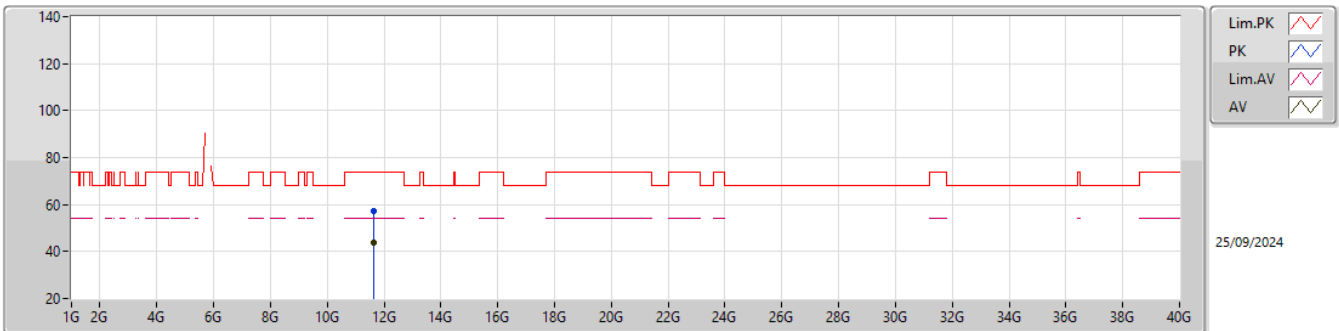
5825MHz_TX



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	5.8178G	106.39	Inf	-Inf	8.25	3	Vertical	38	2.23	98.14	33.80	8.56	34.11
PK	5.573G	61.27	68.20	-6.93	7.13	3	Vertical	38	2.23	54.14	32.80	8.34	34.01
PK	5.8178G	114.83	Inf	-Inf	8.25	3	Vertical	38	2.23	106.58	33.80	8.56	34.11
PK	5.9618G	63.77	68.20	-4.43	8.68	3	Vertical	38	2.23	55.09	34.23	8.62	34.17

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

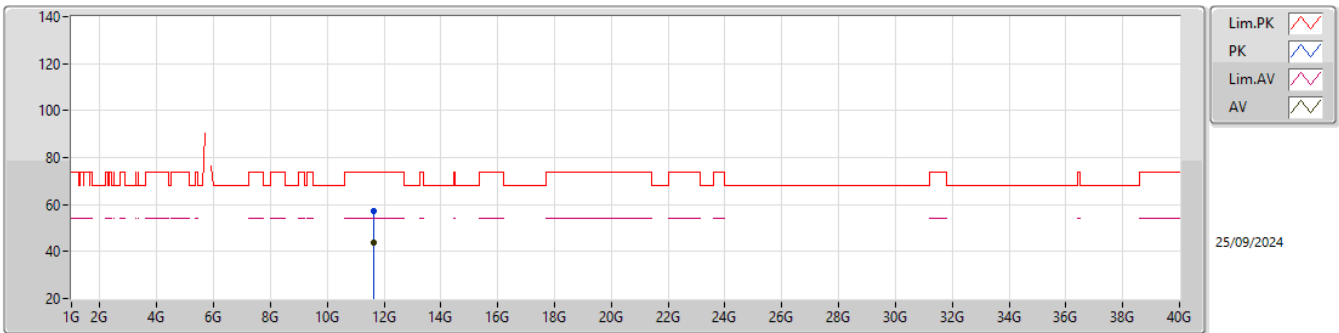
5825MHz_TX



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	11.64526G	44.02	54.00	-9.98	16.20	3	Vertical	268	2.10	27.82	38.41	11.90	34.11
PK	11.64842G	57.10	74.00	-16.90	16.19	3	Vertical	268	2.10	40.91	38.40	11.90	34.11

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

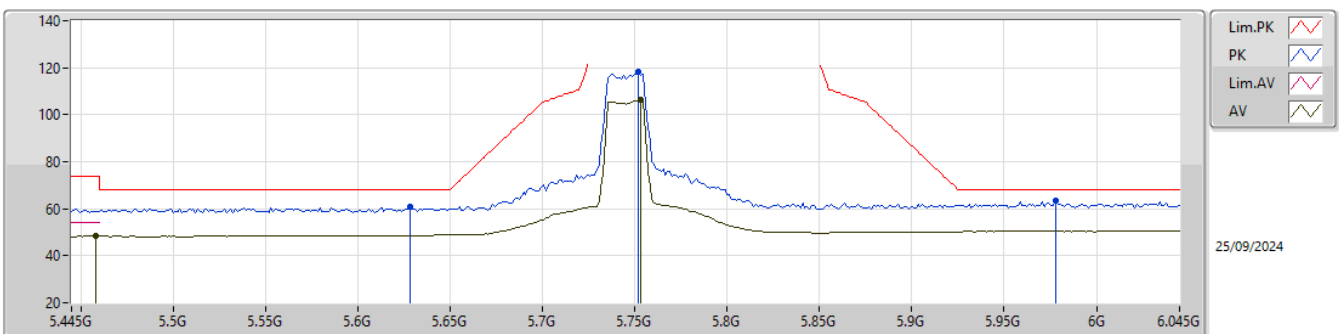
5825MHz_TX



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	11.64518G	44.02	54.00	-9.98	16.20	3	Horizontal	119	1.53	27.82	38.41	11.90	34.11
PK	11.65096G	57.01	74.00	-16.99	16.19	3	Horizontal	119	1.53	40.82	38.40	11.90	34.11

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_1TX

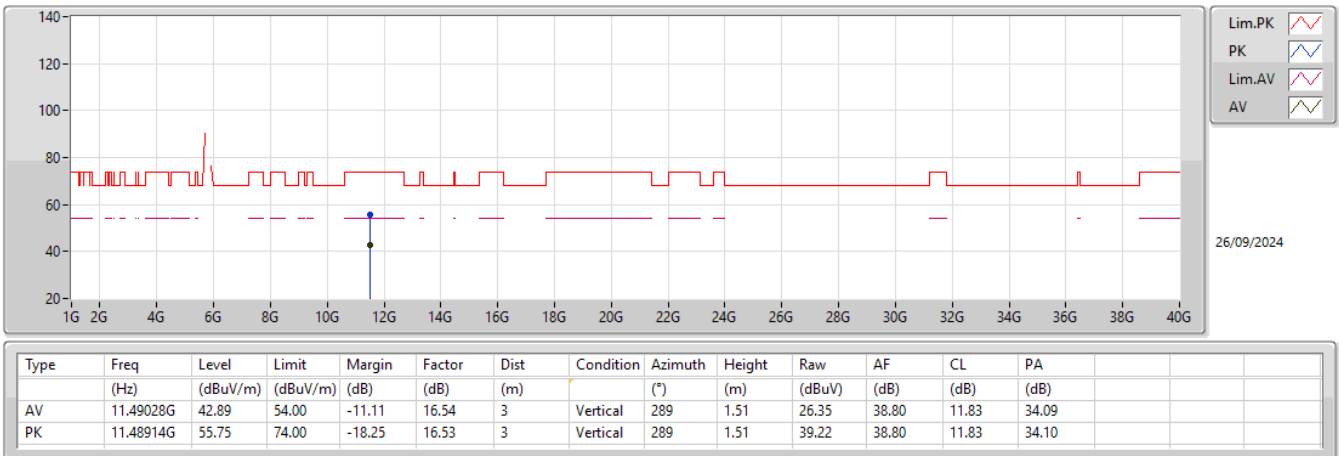
5745MHz_TX



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	5.4582G	48.31	54.00	-5.69	6.99	3	Vertical	35	2.55	41.32	32.70	8.27	33.98
AV	5.7534G	106.58	Inf	-Inf	7.93	3	Vertical	35	2.55	98.65	33.52	8.50	34.09
PK	5.6286G	60.98	68.20	-7.22	7.26	3	Vertical	35	2.55	53.72	32.91	8.38	34.03
PK	5.7522G	118.30	Inf	-Inf	7.92	3	Vertical	35	2.55	110.38	33.51	8.50	34.09
PK	5.9778G	63.28	68.20	-4.92	8.58	3	Vertical	35	2.55	54.70	34.13	8.63	34.18

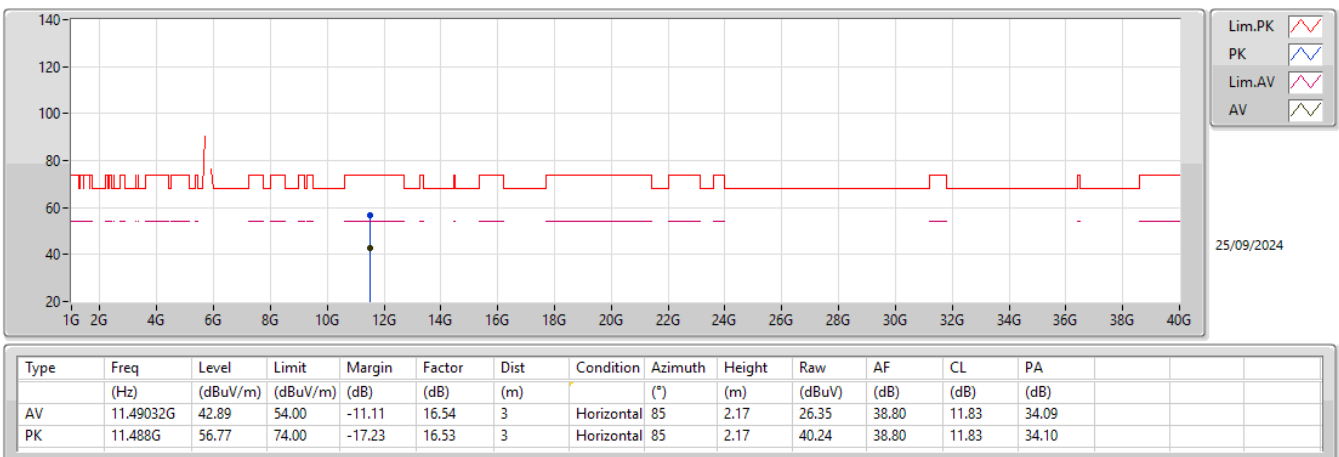
5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_1TX

5745MHz_TX



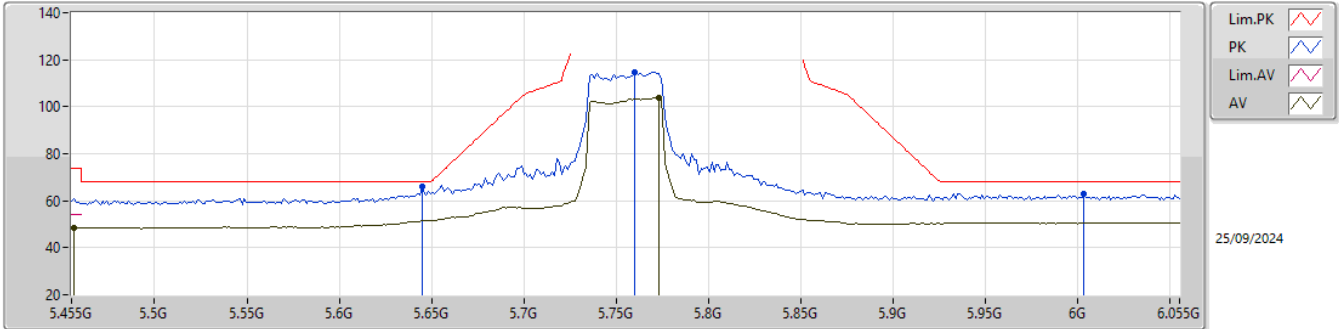
5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_1TX

5745MHz_TX



5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_1TX

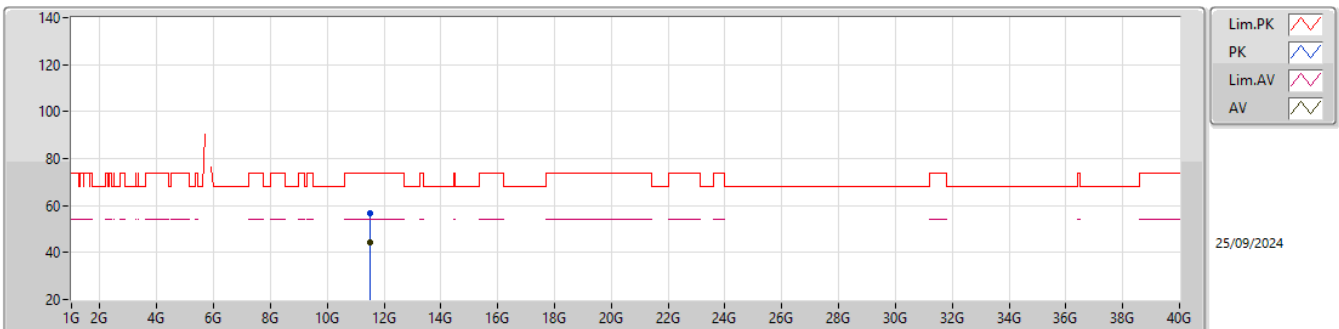
5755MHz_TX



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	5.4562G	48.66	54.00	-5.34	6.99	3	Vertical	36	2.48	41.67	32.70	8.27	33.98
AV	5.773G	103.78	Inf	-Inf	8.07	3	Vertical	36	2.48	95.71	33.64	8.52	34.09
PK	5.6446G	66.16	68.20	-2.04	7.33	3	Vertical	36	2.48	58.83	32.98	8.39	34.04
PK	5.7598G	114.65	Inf	-Inf	7.98	3	Vertical	36	2.48	106.67	33.56	8.51	34.09
PK	6.0034G	63.16	68.20	-5.04	8.46	3	Vertical	36	2.48	54.70	34.00	8.65	34.19

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_1TX

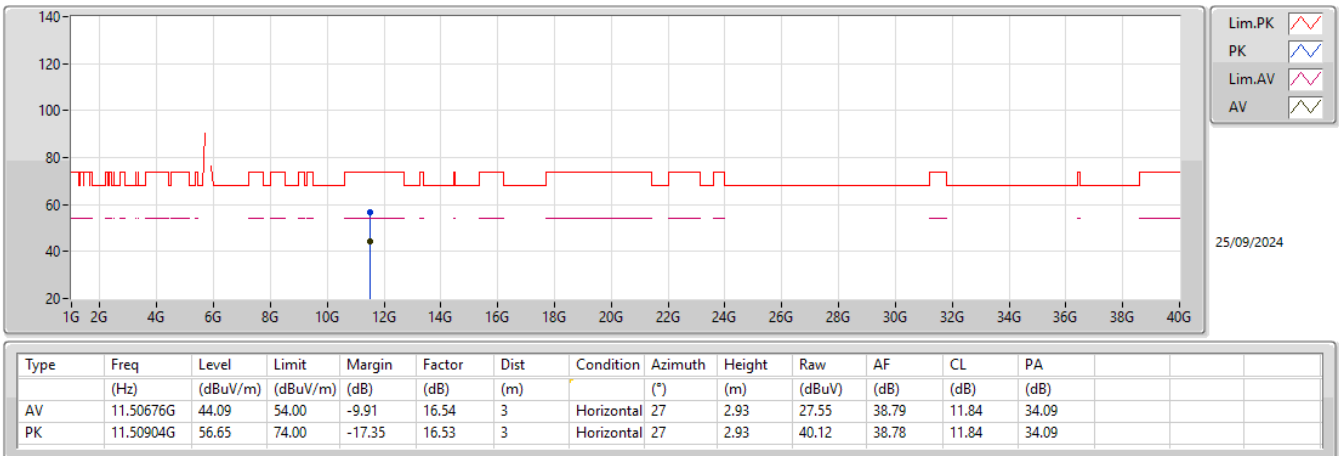
5755MHz_TX



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	11.50944G	44.11	54.00	-9.89	16.53	3	Vertical	76	1.50	27.58	38.78	11.84	34.09
PK	11.50596G	56.75	74.00	-17.25	16.54	3	Vertical	76	1.50	40.21	38.79	11.84	34.09

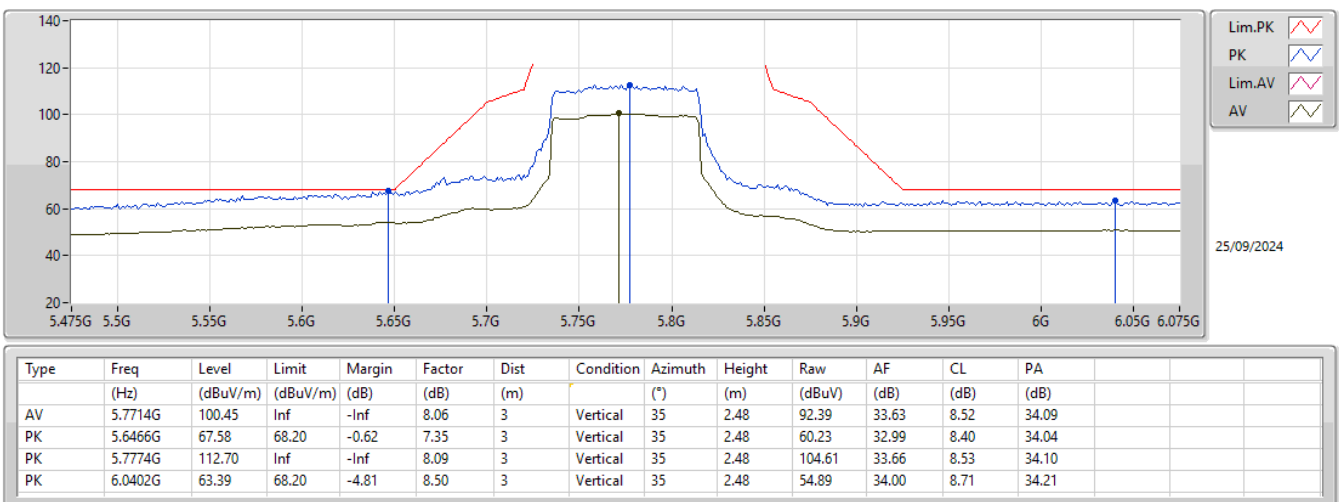
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5755MHz_TX



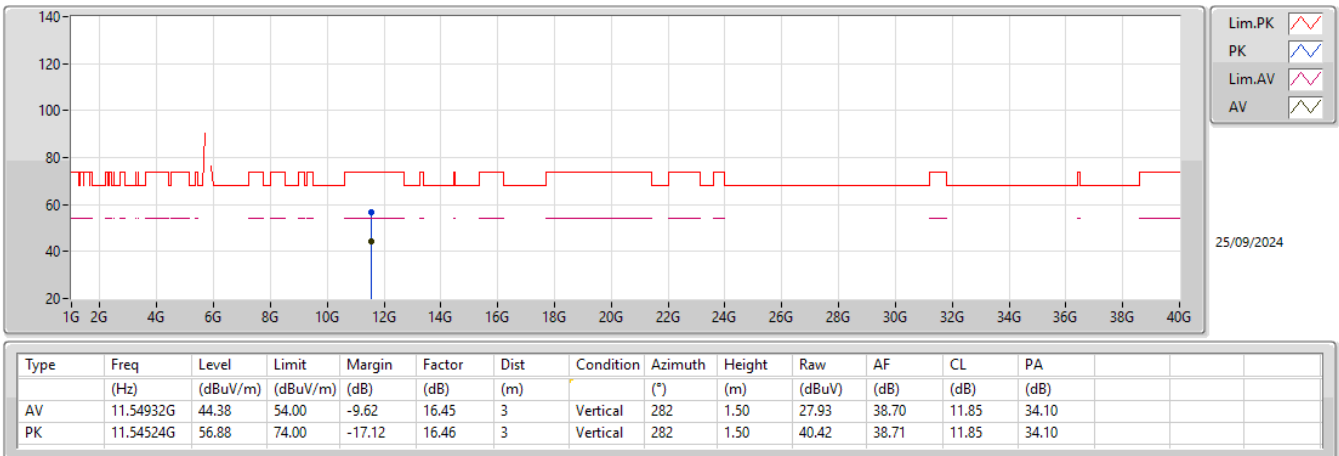
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5775MHz_TX



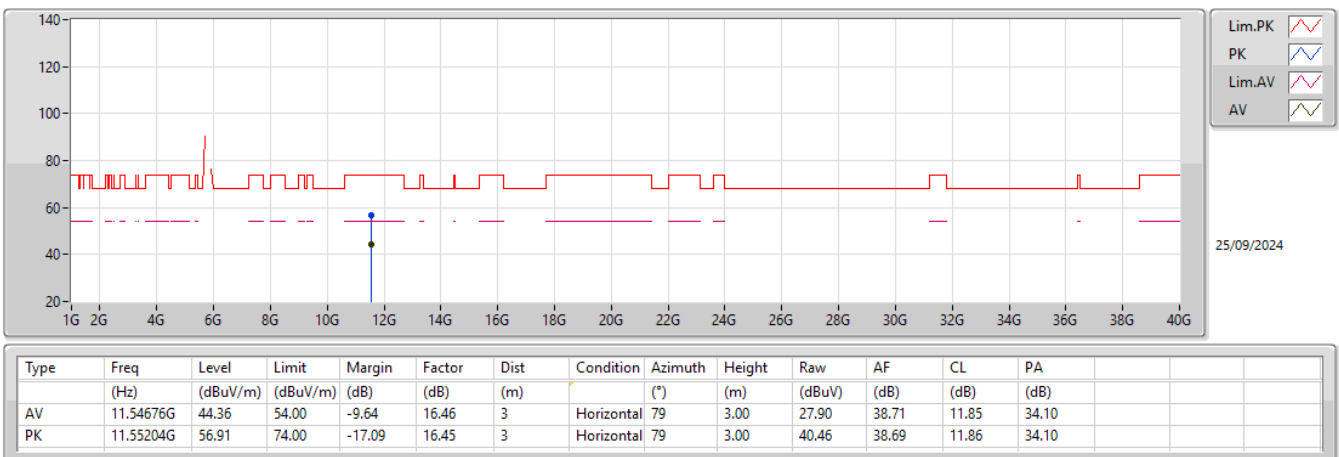
5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_1TX

5775MHz_TX



5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_1TX

5775MHz_TX





Summary

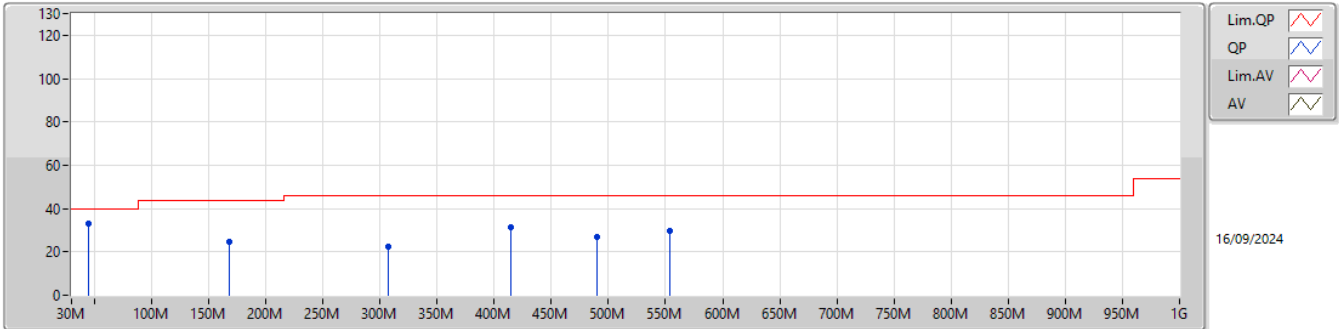
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	QP	44.63M	33.28	40.00	-6.72	3	Vertical	360	1.00

**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	-	-	-	-	-	-	-	-	-	-
5785MHz_PoE	Pass	PK	167.74M	24.64	43.50	-18.86	3	Vertical	360	1.00
5785MHz_PoE	Pass	PK	307.42M	22.29	46.00	-23.71	3	Vertical	360	1.00
5785MHz_PoE	Pass	PK	414.12M	31.35	46.00	-14.65	3	Vertical	360	1.00
5785MHz_PoE	Pass	PK	489.78M	27.06	46.00	-18.94	3	Vertical	360	1.00
5785MHz_PoE	Pass	PK	553.8M	29.47	46.00	-16.53	3	Vertical	360	1.00
5785MHz_PoE	Pass	QP	44.63M	33.28	40.00	-6.72	3	Vertical	360	1.00
5785MHz_PoE	Pass	PK	43.58M	28.08	40.00	-11.92	3	Horizontal	0	1.00
5785MHz_PoE	Pass	PK	158.04M	24.90	43.50	-18.60	3	Horizontal	0	1.00
5785MHz_PoE	Pass	PK	249.22M	24.04	46.00	-21.96	3	Horizontal	0	1.00
5785MHz_PoE	Pass	PK	305.48M	22.87	46.00	-23.13	3	Horizontal	0	1.00
5785MHz_PoE	Pass	PK	414.12M	34.33	46.00	-11.67	3	Horizontal	0	1.00
5785MHz_PoE	Pass	PK	579.02M	28.75	46.00	-17.25	3	Horizontal	0	1.00

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

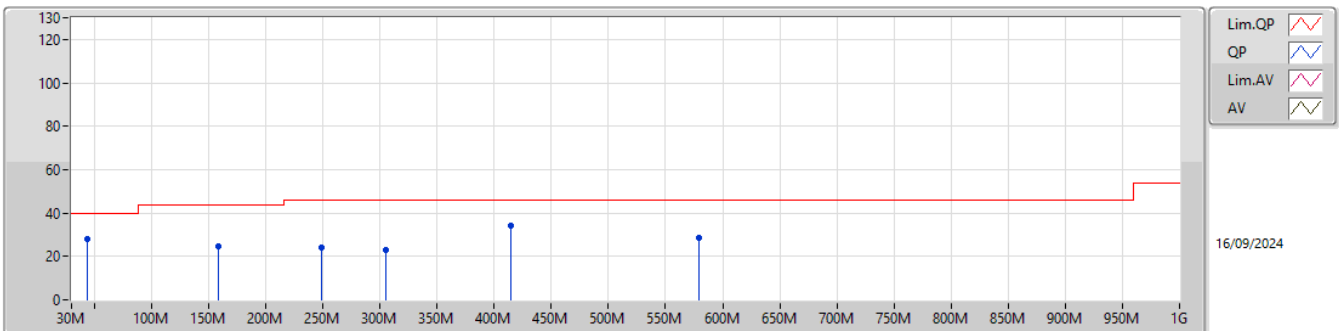
5785MHz_PoE



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	167.74M	24.64	43.50	-18.86	-10.38	3	Vertical	360	1.00	35.02	14.90	1.80	27.08
PK	307.42M	22.29	46.00	-23.71	-5.93	3	Vertical	360	1.00	28.22	18.54	2.28	26.75
PK	414.12M	31.35	46.00	-14.65	-3.09	3	Vertical	360	1.00	34.44	21.74	2.76	27.59
PK	489.78M	27.06	46.00	-18.94	-2.27	3	Vertical	360	1.00	29.33	22.67	3.17	28.11
PK	553.8M	29.47	46.00	-16.53	-0.31	3	Vertical	360	1.00	29.78	24.43	3.43	28.17
QP	44.63M	33.28	40.00	-6.72	-11.34	3	Vertical	360	1.00	44.62	15.66	0.37	27.37

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

5785MHz_PoE



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	43.58M	28.08	40.00	-11.92	-10.86	3	Horizontal	0	1.00	38.94	16.18	0.36	27.40
PK	158.04M	24.90	43.50	-18.60	-10.36	3	Horizontal	0	1.00	35.26	15.05	1.70	27.11
PK	249.22M	24.04	46.00	-21.96	-7.07	3	Horizontal	0	1.00	31.11	17.51	2.16	26.74
PK	305.48M	22.87	46.00	-23.13	-5.96	3	Horizontal	0	1.00	28.83	18.51	2.27	26.74
PK	414.12M	34.33	46.00	-11.67	-3.09	3	Horizontal	0	1.00	37.42	21.74	2.76	27.59
PK	579.02M	28.75	46.00	-17.25	-0.52	3	Horizontal	0	1.00	29.27	24.17	3.51	28.20

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.4582G	48.15	54.00	-5.85	3	Vertical	42	1.46
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	PK	6.0234G	62.38	68.20	-5.82	3	Vertical	42	1.46
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	AV	5.4562G	48.49	54.00	-5.51	3	Vertical	43	1.41
802.11be EHT80_Nss1,(MCS0)_2TX	Pass	PK	5.6406G	66.48	68.20	-1.72	3	Vertical	38	1.50

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	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	AV	5.4582G	48.15	54.00	-5.85	3	Vertical	42	1.46
5745MHz	Pass	AV	5.7522G	108.71	Inf	-Inf	3	Vertical	42	1.46
5745MHz	Pass	PK	5.4726G	59.19	68.20	-9.01	3	Vertical	42	1.46
5745MHz	Pass	PK	5.7522G	116.17	Inf	-Inf	3	Vertical	42	1.46
5745MHz	Pass	PK	5.973G	62.14	68.20	-6.06	3	Vertical	42	1.46
5745MHz	Pass	AV	11.50928G	43.07	54.00	-10.93	3	Vertical	108	1.50
5745MHz	Pass	PK	11.50984G	55.60	74.00	-18.40	3	Vertical	108	1.50
5745MHz	Pass	AV	11.50864G	43.24	54.00	-10.76	3	Horizontal	52	2.62
5745MHz	Pass	PK	11.49728G	56.46	74.00	-17.54	3	Horizontal	52	2.62
5785MHz	Pass	AV	5.7778G	109.05	Inf	-Inf	3	Vertical	39	1.24
5785MHz	Pass	PK	5.6098G	60.46	68.20	-7.74	3	Vertical	39	1.24
5785MHz	Pass	PK	5.7778G	117.47	Inf	-Inf	3	Vertical	39	1.24
5785MHz	Pass	PK	6.0454G	61.96	68.20	-6.24	3	Vertical	39	1.24
5785MHz	Pass	AV	11.56808G	43.59	54.00	-10.41	3	Vertical	301	1.49
5785MHz	Pass	PK	11.56936G	56.45	74.00	-17.55	3	Vertical	301	1.49
5785MHz	Pass	AV	11.57048G	43.57	54.00	-10.43	3	Horizontal	188	1.50
5785MHz	Pass	PK	11.57832G	56.70	74.00	-17.30	3	Horizontal	188	1.50
5825MHz	Pass	AV	5.8178G	107.83	Inf	-Inf	3	Vertical	39	1.21
5825MHz	Pass	PK	5.5754G	59.67	68.20	-8.53	3	Vertical	39	1.21
5825MHz	Pass	PK	5.8178G	115.49	Inf	-Inf	3	Vertical	39	1.21
5825MHz	Pass	PK	6.1058G	61.74	68.20	-6.46	3	Vertical	39	1.21
5825MHz	Pass	AV	11.64088G	43.33	54.00	-10.67	3	Vertical	41	3.00
5825MHz	Pass	PK	11.64704G	55.94	74.00	-18.06	3	Vertical	41	3.00
5825MHz	Pass	AV	11.64096G	43.33	54.00	-10.67	3	Horizontal	327	1.50
5825MHz	Pass	PK	11.63344G	55.87	74.00	-18.13	3	Horizontal	327	1.50
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	AV	5.4594G	48.15	54.00	-5.85	3	Vertical	42	1.46
5745MHz	Pass	AV	5.7534G	108.59	Inf	-Inf	3	Vertical	42	1.46
5745MHz	Pass	PK	5.6346G	60.22	68.20	-7.98	3	Vertical	42	1.46
5745MHz	Pass	PK	5.7534G	118.63	Inf	-Inf	3	Vertical	42	1.46
5745MHz	Pass	PK	6.0234G	62.38	68.20	-5.82	3	Vertical	42	1.46
5745MHz	Pass	AV	11.50944G	42.98	54.00	-11.02	3	Vertical	295	2.45
5745MHz	Pass	PK	11.50648G	55.36	74.00	-18.64	3	Vertical	295	2.45
5745MHz	Pass	AV	11.50944G	42.98	54.00	-11.02	3	Horizontal	328	1.50
5745MHz	Pass	PK	11.47328G	55.74	74.00	-18.26	3	Horizontal	328	1.50
5785MHz	Pass	AV	5.7766G	108.75	Inf	-Inf	3	Vertical	39	1.24
5785MHz	Pass	PK	5.5726G	59.58	68.20	-8.62	3	Vertical	39	1.24
5785MHz	Pass	PK	5.7754G	117.48	Inf	-Inf	3	Vertical	39	1.24
5785MHz	Pass	PK	6.0058G	61.34	68.20	-6.86	3	Vertical	39	1.24
5785MHz	Pass	AV	11.57064G	43.57	54.00	-10.43	3	Vertical	211	1.50
5785MHz	Pass	PK	11.58336G	56.05	74.00	-17.95	3	Vertical	211	1.50
5785MHz	Pass	AV	11.57368G	43.56	54.00	-10.44	3	Horizontal	51	1.16
5785MHz	Pass	PK	11.55488G	57.47	74.00	-16.53	3	Horizontal	51	1.16
5825MHz	Pass	AV	5.8166G	107.47	Inf	-Inf	3	Vertical	40	1.37
5825MHz	Pass	PK	5.597G	60.05	68.20	-8.15	3	Vertical	40	1.37
5825MHz	Pass	PK	5.8166G	115.79	Inf	-Inf	3	Vertical	40	1.37
5825MHz	Pass	PK	6.0518G	61.68	68.20	-6.52	3	Vertical	40	1.37
5825MHz	Pass	AV	11.63456G	43.31	54.00	-10.69	3	Vertical	345	1.56
5825MHz	Pass	PK	11.64208G	55.73	74.00	-18.27	3	Vertical	345	1.56
5825MHz	Pass	AV	11.63776G	43.32	54.00	-10.68	3	Horizontal	251	1.50
5825MHz	Pass	PK	11.65568G	55.76	74.00	-18.24	3	Horizontal	251	1.50
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5755MHz	Pass	AV	5.4562G	48.49	54.00	-5.51	3	Vertical	43	1.41
5755MHz	Pass	AV	5.7646G	105.29	Inf	-Inf	3	Vertical	43	1.41
5755MHz	Pass	PK	5.6494G	62.32	68.20	-5.88	3	Vertical	43	1.41
5755MHz	Pass	PK	5.7658G	114.72	Inf	-Inf	3	Vertical	43	1.41
5755MHz	Pass	PK	5.9434G	61.13	68.20	-7.07	3	Vertical	43	1.41
5755MHz	Pass	AV	11.537G	43.50	54.00	-10.50	3	Vertical	43	1.18
5755MHz	Pass	PK	11.4986G	55.61	74.00	-18.39	3	Vertical	43	1.18
5755MHz	Pass	AV	11.53376G	43.55	54.00	-10.45	3	Horizontal	38	1.50



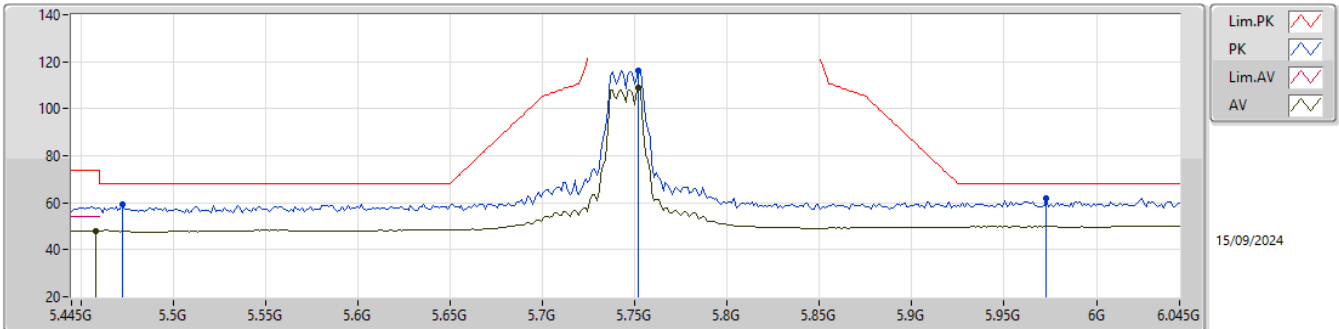
RSE TX above 1GHz_Non-Beamforming_Radio2_2T1S

Appendix E.4

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5755MHz	Pass	PK	11.51696G	55.48	74.00	-18.52	3	Horizontal	38	1.50
5795MHz	Pass	AV	5.7854G	106.39	Inf	-Inf	3	Vertical	37	1.50
5795MHz	Pass	PK	5.5058G	61.40	68.20	-6.80	3	Vertical	37	1.50
5795MHz	Pass	PK	5.7878G	115.76	Inf	-Inf	3	Vertical	37	1.50
5795MHz	Pass	PK	6.0818G	61.12	68.20	-7.08	3	Vertical	37	1.50
5795MHz	Pass	AV	11.56996G	43.66	54.00	-10.34	3	Vertical	261	1.00
5795MHz	Pass	PK	11.59516G	56.49	74.00	-17.51	3	Vertical	261	1.00
5795MHz	Pass	AV	11.56576G	43.69	54.00	-10.31	3	Horizontal	75	1.50
5795MHz	Pass	PK	11.56012G	55.82	74.00	-18.18	3	Horizontal	75	1.50
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	AV	5.7846G	102.60	Inf	-Inf	3	Vertical	38	1.50
5775MHz	Pass	PK	5.6406G	66.48	68.20	-1.72	3	Vertical	38	1.50
5775MHz	Pass	PK	5.7654G	114.02	Inf	-Inf	3	Vertical	38	1.50
5775MHz	Pass	PK	6.021G	61.94	68.20	-6.26	3	Vertical	38	1.50
5775MHz	Pass	AV	11.57256G	43.91	54.00	-10.09	3	Vertical	309	1.50
5775MHz	Pass	PK	11.5812G	57.21	74.00	-16.79	3	Vertical	309	1.50
5775MHz	Pass	AV	11.56776G	43.76	54.00	-10.24	3	Horizontal	259	1.50
5775MHz	Pass	PK	11.5392G	57.18	74.00	-16.82	3	Horizontal	259	1.50

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

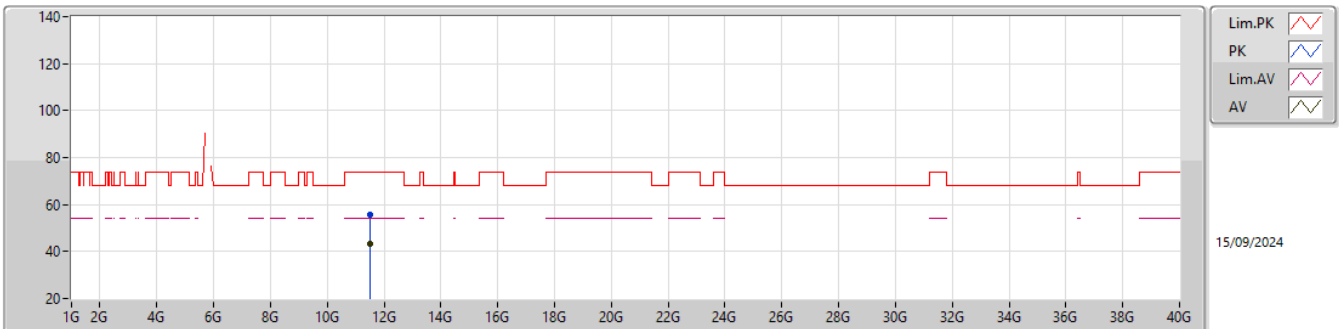
5745MHz_TX



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	5.4582G	48.15	54.00	-5.85	6.99	3	Vertical	42	1.46	41.16	32.70	8.27	33.98
AV	5.7522G	108.71	Inf	-Inf	7.92	3	Vertical	42	1.46	100.79	33.51	8.50	34.09
PK	5.4726G	59.19	68.20	-9.01	7.00	3	Vertical	42	1.46	52.19	32.70	8.28	33.98
PK	5.7522G	116.17	Inf	-Inf	7.92	3	Vertical	42	1.46	108.25	33.51	8.50	34.09
PK	5.973G	62.14	68.20	-6.06	8.61	3	Vertical	42	1.46	53.53	34.16	8.63	34.18

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

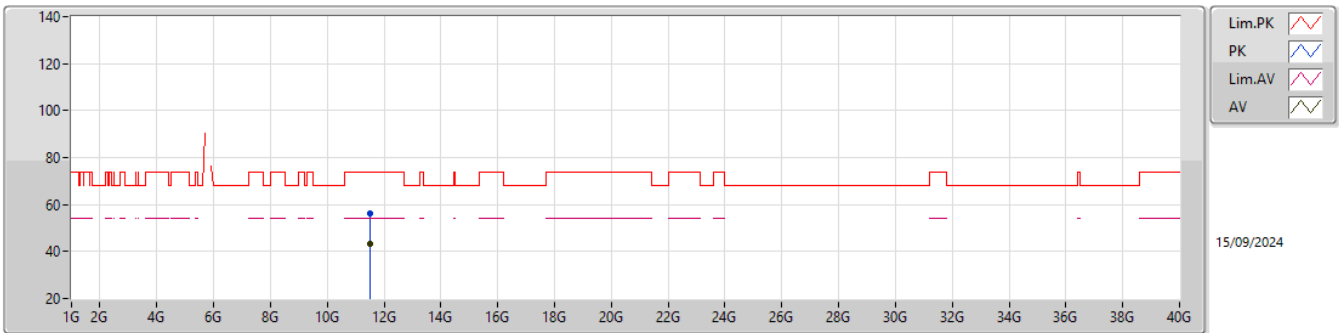
5745MHz_TX



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	11.50928G	43.07	54.00	-10.93	16.53	3	Vertical	108	1.50	26.54	38.78	11.84	34.09
PK	11.50984G	55.60	74.00	-18.40	16.53	3	Vertical	108	1.50	39.07	38.78	11.84	34.09

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

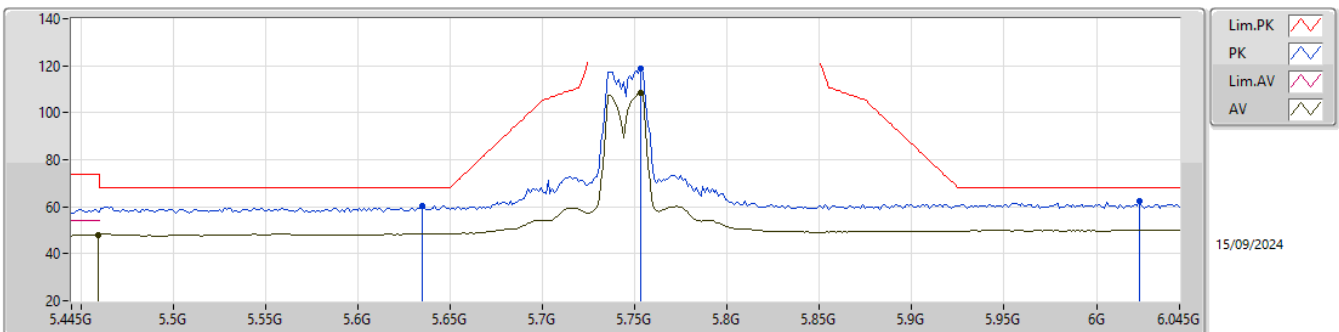
5745MHz_TX



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	11.50864G	43.24	54.00	-10.76	16.53	3	Horizontal	52	2.62	26.71	38.78	11.84	34.09
PK	11.49728G	56.46	74.00	-17.54	16.54	3	Horizontal	52	2.62	39.92	38.80	11.83	34.09

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

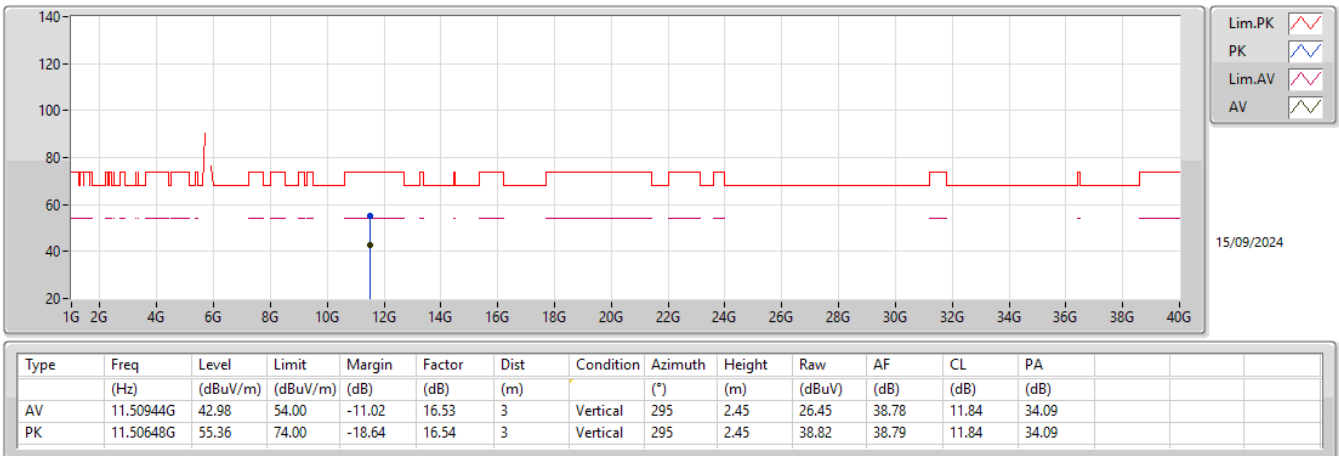
5745MHz_TX



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	5.4594G	48.15	54.00	-5.85	6.99	3	Vertical	42	1.46	41.16	32.70	8.27	33.98
AV	5.7534G	108.59	Inf	-Inf	7.93	3	Vertical	42	1.46	100.66	33.52	8.50	34.09
PK	5.6346G	60.22	68.20	-7.98	7.28	3	Vertical	42	1.46	52.94	32.94	8.38	34.04
PK	5.7534G	118.63	Inf	-Inf	7.93	3	Vertical	42	1.46	110.70	33.52	8.50	34.09
PK	6.0234G	62.38	68.20	-5.82	8.48	3	Vertical	42	1.46	53.90	34.00	8.68	34.20

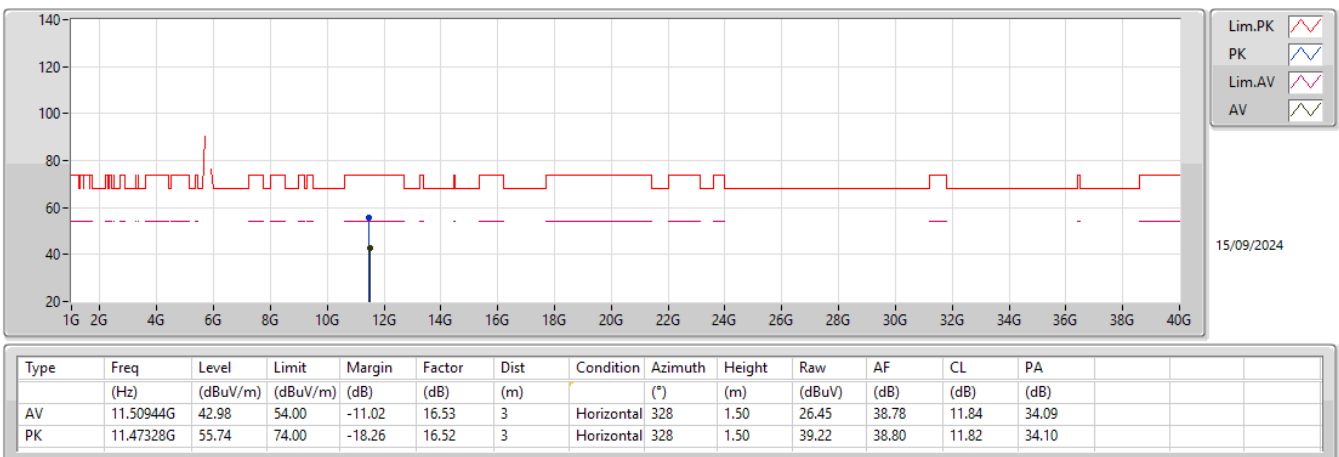
5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5745MHz_TX



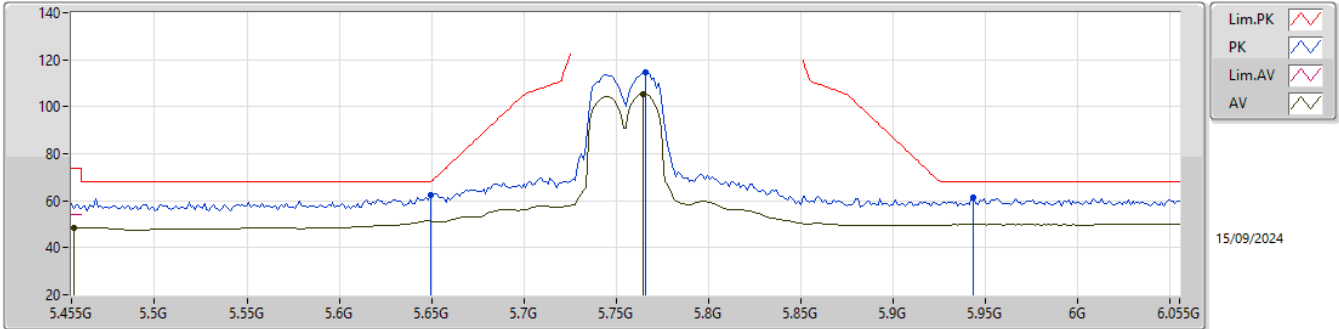
5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5745MHz_TX



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

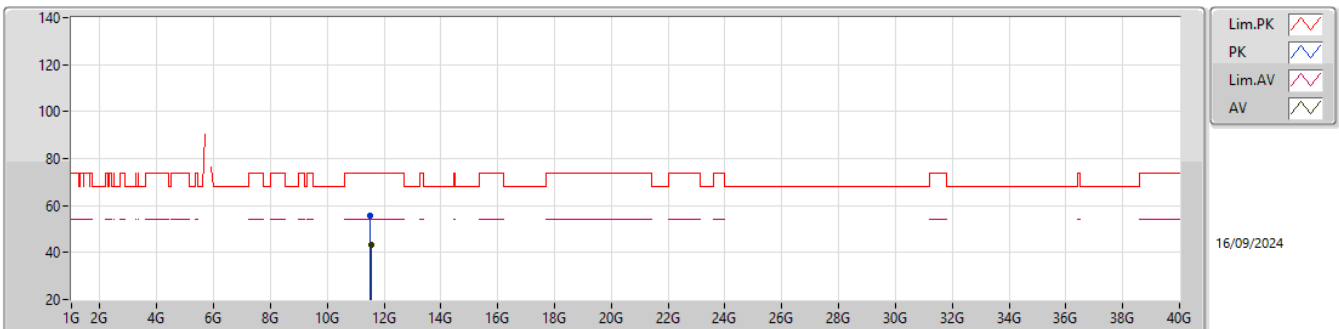
5755MHz_TX



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	5.4562G	48.49	54.00	-5.51	6.99	3	Vertical	43	1.41	41.50	32.70	8.27	33.98
AV	5.7646G	105.29	Inf	-Inf	8.01	3	Vertical	43	1.41	97.28	33.59	8.51	34.09
PK	5.6494G	62.32	68.20	-5.88	7.36	3	Vertical	43	1.41	54.96	33.00	8.40	34.04
PK	5.7658G	114.72	Inf	-Inf	8.02	3	Vertical	43	1.41	106.70	33.59	8.52	34.09
PK	5.9434G	61.13	68.20	-7.07	8.70	3	Vertical	43	1.41	52.43	34.26	8.61	34.17

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

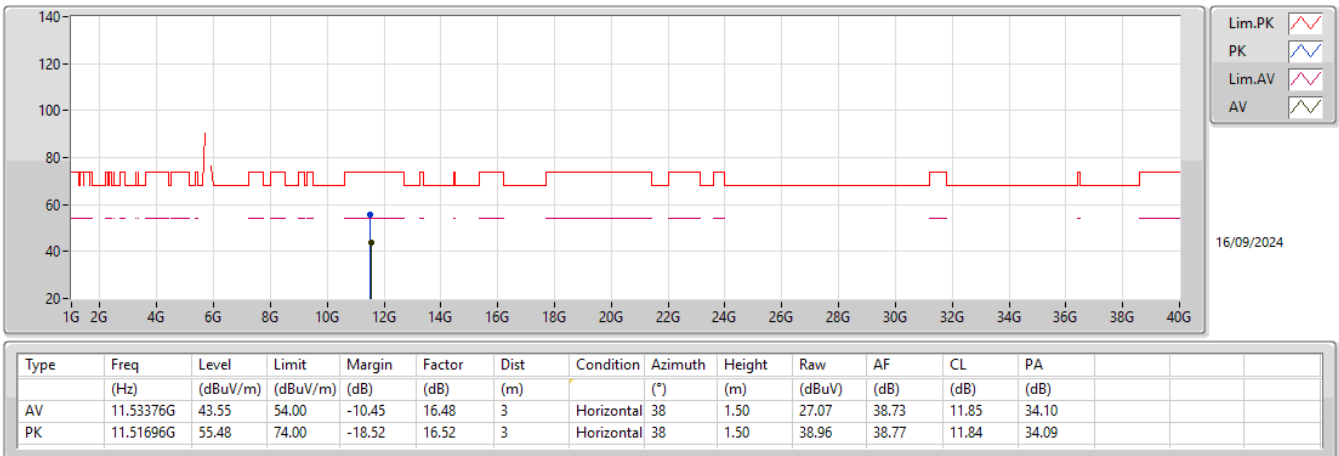
5755MHz_TX



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	11.537G	43.50	54.00	-10.50	16.48	3	Vertical	43	1.18	27.02	38.73	11.85	34.10
PK	11.4986G	55.61	74.00	-18.39	16.54	3	Vertical	43	1.18	39.07	38.80	11.83	34.09

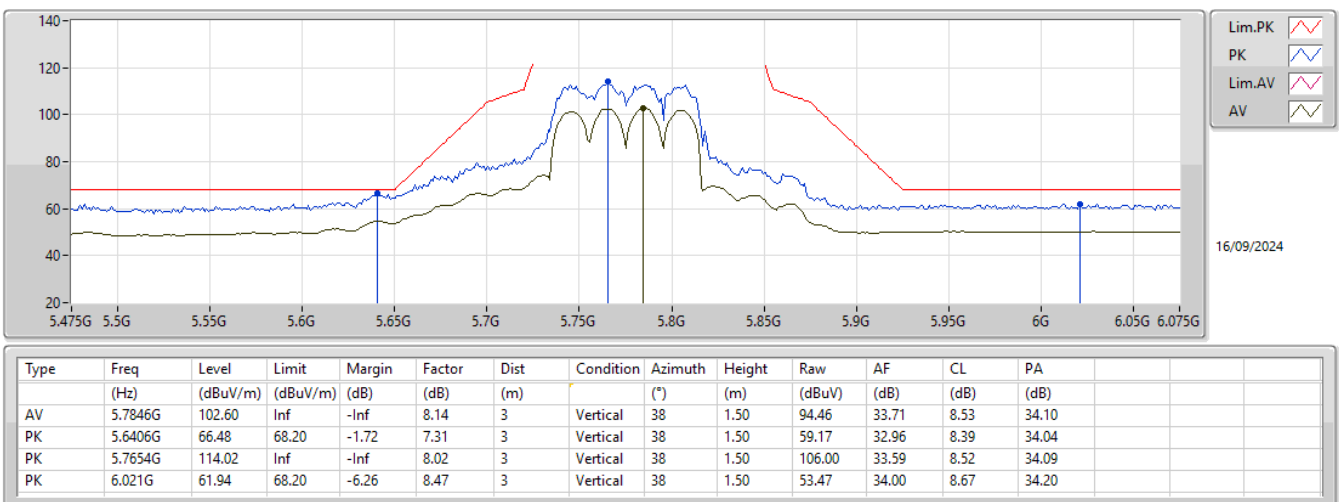
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5755MHz_TX



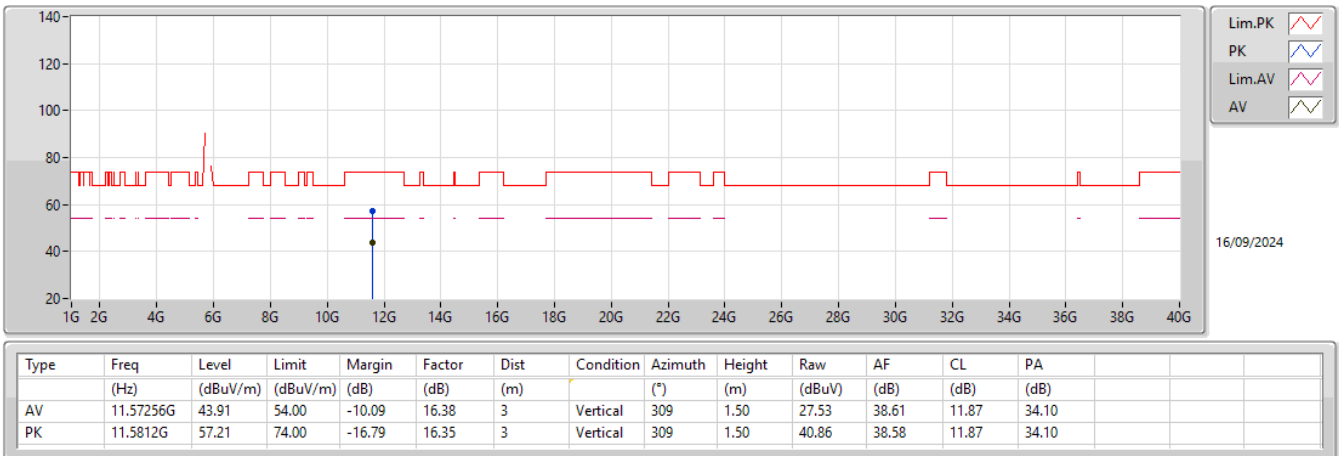
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5775MHz_TX



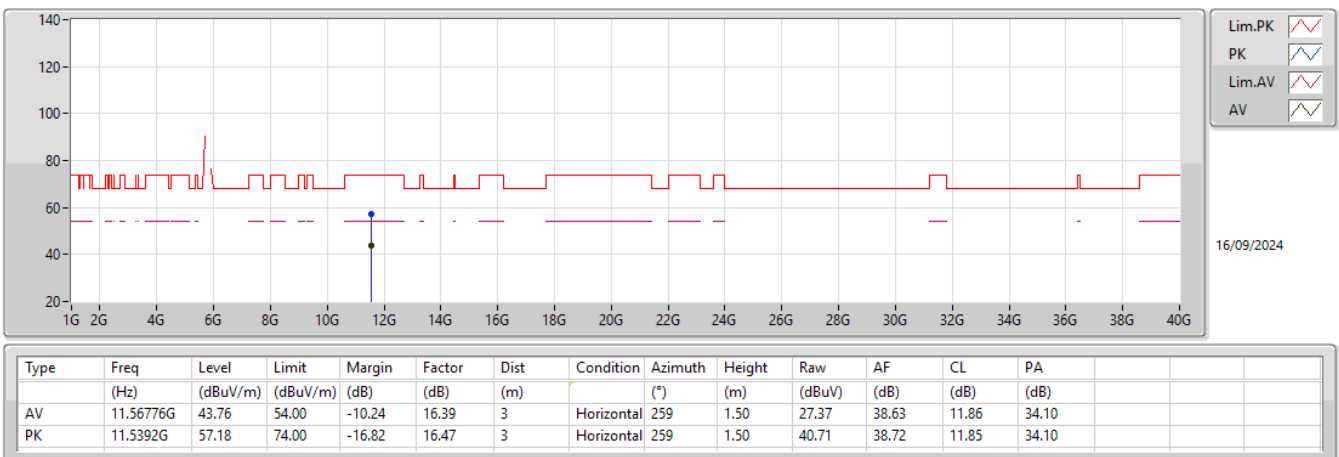
5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_2TX

5775MHz_TX



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

5775MHz_TX





Summary

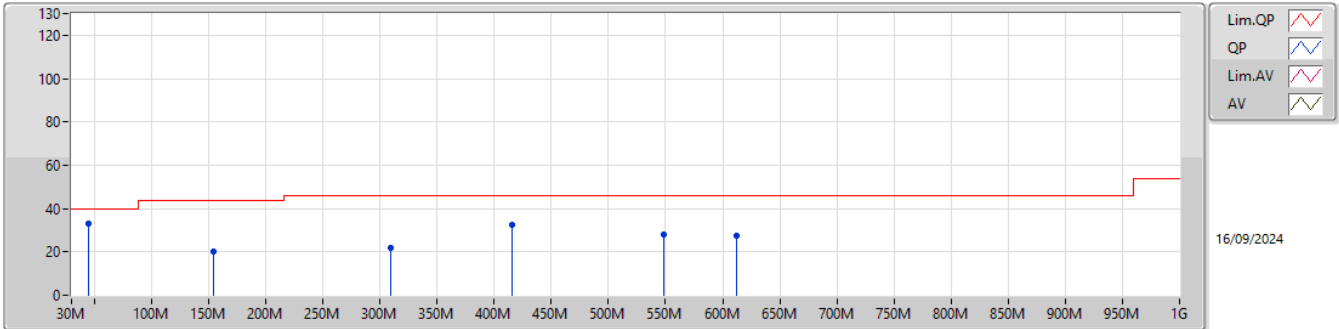
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	QP	44.64M	33.20	40.00	-6.80	3	Vertical	303	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5785MHz_PoE	Pass	PK	154.16M	20.30	43.50	-23.20	3	Vertical	0	1.00
5785MHz_PoE	Pass	PK	309.36M	21.72	46.00	-24.28	3	Vertical	0	1.00
5785MHz_PoE	Pass	PK	416.06M	32.63	46.00	-13.37	3	Vertical	0	1.00
5785MHz_PoE	Pass	PK	547.98M	27.88	46.00	-18.12	3	Vertical	0	1.00
5785MHz_PoE	Pass	PK	612M	27.64	46.00	-18.36	3	Vertical	0	1.00
5785MHz_PoE	Pass	QP	44.64M	33.20	40.00	-6.80	3	Vertical	303	1.00
5785MHz_PoE	Pass	PK	43.58M	26.71	40.00	-13.29	3	Horizontal	360	1.00
5785MHz_PoE	Pass	PK	154.16M	17.76	43.50	-25.74	3	Horizontal	360	1.00
5785MHz_PoE	Pass	PK	249.22M	23.18	46.00	-22.82	3	Horizontal	360	1.00
5785MHz_PoE	Pass	PK	307.42M	22.63	46.00	-23.37	3	Horizontal	360	1.00
5785MHz_PoE	Pass	PK	414.12M	35.45	46.00	-10.55	3	Horizontal	360	1.00
5785MHz_PoE	Pass	PK	547.98M	28.41	46.00	-17.59	3	Horizontal	360	1.00

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

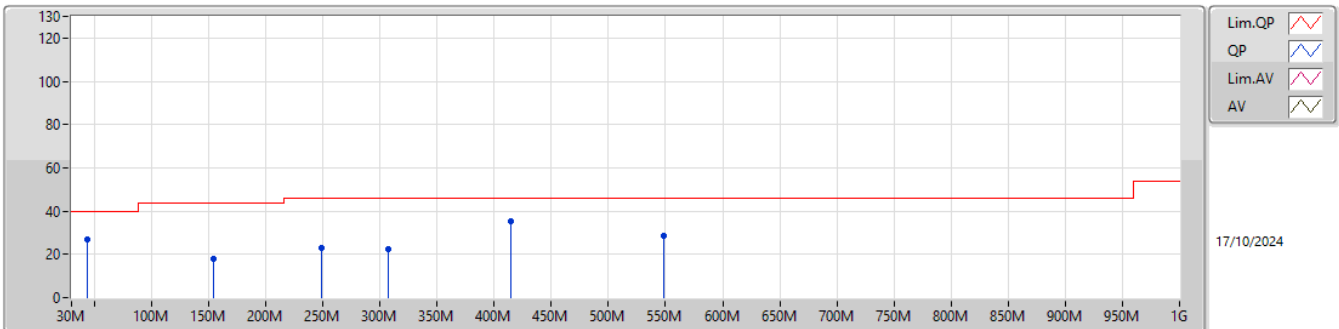
5785MHz_PoE



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	154.16M	20.30	43.50	-23.20	-10.23	3	Vertical	0	1.00	30.53	15.24	1.66	27.13
PK	309.36M	21.72	46.00	-24.28	-5.90	3	Vertical	0	1.00	27.62	18.58	2.29	26.77
PK	416.06M	32.63	46.00	-13.37	-3.01	3	Vertical	0	1.00	35.64	21.84	2.76	27.61
PK	547.98M	27.88	46.00	-18.12	-0.06	3	Vertical	0	1.00	27.94	24.70	3.41	28.17
PK	612M	27.64	46.00	-18.36	-0.50	3	Vertical	0	1.00	28.14	24.11	3.62	28.23
QP	44.64M	33.20	40.00	-6.80	-11.35	3	Vertical	303	1.00	44.55	15.65	0.37	27.37

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

5785MHz_PoE



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	43.58M	26.71	40.00	-13.29	-10.86	3	Horizontal	360	1.00	37.57	16.18	0.36	27.40
PK	154.16M	17.76	43.50	-25.74	-10.23	3	Horizontal	360	1.00	27.99	15.24	1.66	27.13
PK	249.22M	23.18	46.00	-22.82	-7.07	3	Horizontal	360	1.00	30.25	17.51	2.16	26.74
PK	307.42M	22.63	46.00	-23.37	-5.93	3	Horizontal	360	1.00	28.56	18.54	2.28	26.75
PK	414.12M	35.45	46.00	-10.55	-3.09	3	Horizontal	360	1.00	38.54	21.74	2.76	27.59
PK	547.98M	28.41	46.00	-17.59	-0.06	3	Horizontal	360	1.00	28.47	24.70	3.41	28.17

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	AV	5.353G	53.27	54.00	-0.73	3	Horizontal	303	1.00
802.11be EHT20_Nss1,(MCS0)_4TX	Pass	AV	5.435G	53.32	54.00	-0.68	3	Horizontal	317	1.60
802.11be EHT40_Nss1,(MCS0)_4TX	Pass	AV	5.383G	51.12	54.00	-2.88	3	Horizontal	302	1.01
802.11be EHT80_Nss1,(MCS0)_4TX	Pass	PK	5.651G	68.11	68.94	-0.83	3	Horizontal	303	1.01

Result

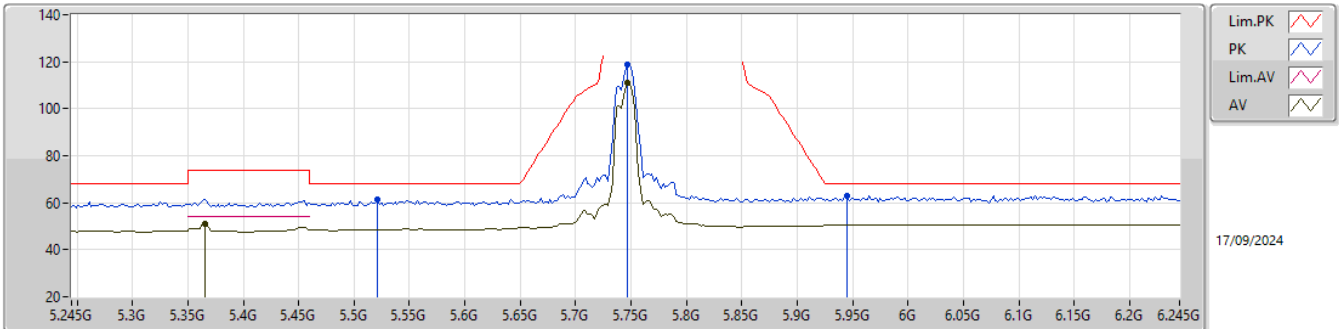
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	AV	5.365G	51.07	54.00	-2.93	3	Vertical	337	1.84
5745MHz	Pass	AV	5.747G	110.93	Inf	-Inf	3	Vertical	337	1.84
5745MHz	Pass	PK	5.521G	61.61	68.20	-6.59	3	Vertical	337	1.84
5745MHz	Pass	PK	5.747G	119.05	Inf	-Inf	3	Vertical	337	1.84
5745MHz	Pass	PK	5.945G	63.07	68.20	-5.13	3	Vertical	337	1.84
5745MHz	Pass	AV	5.353G	53.27	54.00	-0.73	3	Horizontal	303	1.00
5745MHz	Pass	AV	5.749G	111.52	Inf	-Inf	3	Horizontal	303	1.00
5745MHz	Pass	PK	5.559G	61.26	68.20	-6.94	3	Horizontal	303	1.00
5745MHz	Pass	PK	5.747G	119.84	Inf	-Inf	3	Horizontal	303	1.00
5745MHz	Pass	PK	6.031G	62.89	68.20	-5.31	3	Horizontal	303	1.00
5745MHz	Pass	AV	11.48514G	42.75	54.00	-11.25	3	Vertical	239	1.50
5745MHz	Pass	PK	11.4942G	56.41	74.00	-17.59	3	Vertical	239	1.50
5745MHz	Pass	AV	11.485G	42.65	54.00	-11.35	3	Horizontal	124	2.51
5745MHz	Pass	PK	11.49346G	55.05	74.00	-18.95	3	Horizontal	124	2.51
5785MHz	Pass	AV	5.401G	50.47	54.00	-3.53	3	Vertical	335	1.06
5785MHz	Pass	AV	5.783G	112.03	Inf	-Inf	3	Vertical	335	1.06
5785MHz	Pass	PK	5.495G	61.06	68.20	-7.14	3	Vertical	335	1.06
5785MHz	Pass	PK	5.783G	120.97	Inf	-Inf	3	Vertical	335	1.06
5785MHz	Pass	PK	6.201G	63.33	68.20	-4.87	3	Vertical	335	1.06
5785MHz	Pass	AV	5.397G	52.40	54.00	-1.60	3	Horizontal	309	2.35
5785MHz	Pass	AV	5.781G	111.45	Inf	-Inf	3	Horizontal	309	2.35
5785MHz	Pass	PK	5.585G	60.78	68.20	-7.42	3	Horizontal	309	2.35
5785MHz	Pass	PK	5.781G	119.67	Inf	-Inf	3	Horizontal	309	2.35
5785MHz	Pass	PK	6.149G	62.94	68.20	-5.26	3	Horizontal	309	2.35
5785MHz	Pass	AV	11.57058G	43.99	54.00	-10.01	3	Vertical	287	1.58
5785MHz	Pass	PK	11.57492G	56.74	74.00	-17.26	3	Vertical	287	1.58
5785MHz	Pass	AV	11.56848G	44.00	54.00	-10.00	3	Horizontal	271	1.62
5785MHz	Pass	PK	11.57036G	56.41	74.00	-17.59	3	Horizontal	271	1.62
5825MHz	Pass	AV	5.443G	52.97	54.00	-1.03	3	Vertical	317	1.74
5825MHz	Pass	AV	5.819G	111.08	Inf	-Inf	3	Vertical	317	1.74
5825MHz	Pass	PK	5.543G	61.81	68.20	-6.39	3	Vertical	317	1.74
5825MHz	Pass	PK	5.819G	119.66	Inf	-Inf	3	Vertical	317	1.74
5825MHz	Pass	PK	6.065G	63.41	68.20	-4.79	3	Vertical	317	1.74
5825MHz	Pass	AV	5.437G	53.23	54.00	-0.77	3	Horizontal	309	2.30
5825MHz	Pass	AV	5.821G	111.16	Inf	-Inf	3	Horizontal	309	2.30
5825MHz	Pass	PK	5.631G	61.26	68.20	-6.94	3	Horizontal	309	2.30
5825MHz	Pass	PK	5.819G	119.42	Inf	-Inf	3	Horizontal	309	2.30
5825MHz	Pass	PK	5.999G	62.84	68.20	-5.36	3	Horizontal	309	2.30
5825MHz	Pass	AV	11.64838G	44.01	54.00	-9.99	3	Vertical	345	2.43
5825MHz	Pass	PK	11.65422G	56.43	74.00	-17.57	3	Vertical	345	2.43
5825MHz	Pass	AV	11.64802G	44.01	54.00	-9.99	3	Horizontal	84	1.26
5825MHz	Pass	PK	11.65072G	57.11	74.00	-16.89	3	Horizontal	84	1.26
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	AV	5.365G	51.34	54.00	-2.66	3	Vertical	335	1.95
5745MHz	Pass	AV	5.747G	110.35	Inf	-Inf	3	Vertical	335	1.95
5745MHz	Pass	PK	5.649G	61.31	68.20	-6.89	3	Vertical	335	1.95
5745MHz	Pass	PK	5.747G	120.54	Inf	-Inf	3	Vertical	335	1.95
5745MHz	Pass	PK	6.043G	63.04	68.20	-5.16	3	Vertical	335	1.95
5745MHz	Pass	AV	5.353G	52.83	54.00	-1.17	3	Horizontal	316	1.54
5745MHz	Pass	AV	5.737G	109.24	Inf	-Inf	3	Horizontal	316	1.54
5745MHz	Pass	PK	5.589G	61.86	68.20	-6.34	3	Horizontal	316	1.54
5745MHz	Pass	PK	5.737G	118.96	Inf	-Inf	3	Horizontal	316	1.54
5745MHz	Pass	PK	6.039G	62.94	68.20	-5.26	3	Horizontal	316	1.54
5745MHz	Pass	AV	11.485G	42.85	54.00	-11.15	3	Vertical	172	2.06
5745MHz	Pass	PK	11.4897G	56.18	74.00	-17.82	3	Vertical	172	2.06
5745MHz	Pass	AV	11.48504G	42.95	54.00	-11.05	3	Horizontal	306	2.34
5745MHz	Pass	PK	11.48974G	55.55	74.00	-18.45	3	Horizontal	306	2.34
5785MHz	Pass	AV	5.399G	50.89	54.00	-3.11	3	Vertical	42	2.50
5785MHz	Pass	AV	5.783G	110.91	Inf	-Inf	3	Vertical	42	2.50
5785MHz	Pass	PK	5.491G	61.21	68.20	-6.99	3	Vertical	42	2.50

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5785MHz	Pass	PK	5.783G	122.35	Inf	-Inf	3	Vertical	42	2.50
5785MHz	Pass	PK	5.987G	62.78	68.20	-5.42	3	Vertical	42	2.50
5785MHz	Pass	AV	5.397G	52.17	54.00	-1.83	3	Horizontal	310	2.46
5785MHz	Pass	AV	5.781G	111.18	Inf	-Inf	3	Horizontal	310	2.46
5785MHz	Pass	PK	5.645G	61.74	68.20	-6.46	3	Horizontal	310	2.46
5785MHz	Pass	PK	5.781G	122.76	Inf	-Inf	3	Horizontal	310	2.46
5785MHz	Pass	PK	6.029G	63.05	68.20	-5.15	3	Horizontal	310	2.46
5785MHz	Pass	AV	11.574G	44.32	54.00	-9.68	3	Vertical	188	1.17
5785MHz	Pass	PK	11.5704G	56.21	74.00	-17.79	3	Vertical	188	1.17
5785MHz	Pass	AV	11.57136G	44.33	54.00	-9.67	3	Horizontal	304	2.52
5785MHz	Pass	PK	11.56878G	55.95	74.00	-18.05	3	Horizontal	304	2.52
5825MHz	Pass	AV	5.445G	52.64	54.00	-1.36	3	Vertical	317	1.74
5825MHz	Pass	AV	5.819G	110.68	Inf	-Inf	3	Vertical	317	1.74
5825MHz	Pass	PK	5.543G	62.15	68.20	-6.05	3	Vertical	317	1.74
5825MHz	Pass	PK	5.819G	120.89	Inf	-Inf	3	Vertical	317	1.74
5825MHz	Pass	PK	6.313G	63.00	68.20	-5.20	3	Vertical	317	1.74
5825MHz	Pass	AV	5.435G	53.32	54.00	-0.68	3	Horizontal	317	1.60
5825MHz	Pass	AV	5.817G	110.08	Inf	-Inf	3	Horizontal	317	1.60
5825MHz	Pass	PK	5.531G	62.14	68.20	-6.06	3	Horizontal	317	1.60
5825MHz	Pass	PK	5.817G	120.86	Inf	-Inf	3	Horizontal	317	1.60
5825MHz	Pass	PK	6.267G	63.03	68.20	-5.17	3	Horizontal	317	1.60
5825MHz	Pass	AV	11.65494G	44.28	54.00	-9.72	3	Vertical	95	2.99
5825MHz	Pass	PK	11.65206G	57.11	74.00	-16.89	3	Vertical	95	2.99
5825MHz	Pass	AV	11.6485G	44.44	54.00	-9.56	3	Horizontal	68	1.02
5825MHz	Pass	PK	11.65096G	56.49	74.00	-17.51	3	Horizontal	68	1.02
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5755MHz	Pass	AV	5.371G	49.41	54.00	-4.59	3	Vertical	336	1.18
5755MHz	Pass	AV	5.773G	108.46	Inf	-Inf	3	Vertical	336	1.18
5755MHz	Pass	PK	5.649G	63.08	68.20	-5.12	3	Vertical	336	1.18
5755MHz	Pass	PK	5.773G	119.38	Inf	-Inf	3	Vertical	336	1.18
5755MHz	Pass	PK	5.945G	63.37	68.20	-4.83	3	Vertical	336	1.18
5755MHz	Pass	AV	5.383G	51.12	54.00	-2.88	3	Horizontal	302	1.01
5755MHz	Pass	AV	5.757G	108.54	Inf	-Inf	3	Horizontal	302	1.01
5755MHz	Pass	PK	5.643G	61.77	68.20	-6.43	3	Horizontal	302	1.01
5755MHz	Pass	PK	5.757G	119.77	Inf	-Inf	3	Horizontal	302	1.01
5755MHz	Pass	PK	5.945G	63.32	68.20	-4.88	3	Horizontal	302	1.01
5755MHz	Pass	AV	11.51492G	43.89	54.00	-10.11	3	Vertical	360	2.15
5755MHz	Pass	PK	11.51442G	55.71	74.00	-18.29	3	Vertical	360	2.15
5755MHz	Pass	AV	11.50554G	43.90	54.00	-10.10	3	Horizontal	283	2.40
5755MHz	Pass	PK	11.51396G	56.40	74.00	-17.60	3	Horizontal	283	2.40
5795MHz	Pass	AV	5.393G	49.77	54.00	-4.23	3	Vertical	335	1.36
5795MHz	Pass	AV	5.793G	108.71	Inf	-Inf	3	Vertical	335	1.36
5795MHz	Pass	PK	5.525G	61.83	68.20	-6.37	3	Vertical	335	1.36
5795MHz	Pass	PK	5.795G	119.79	Inf	-Inf	3	Vertical	335	1.36
5795MHz	Pass	PK	6.061G	62.85	68.20	-5.35	3	Vertical	335	1.36
5795MHz	Pass	AV	5.407G	50.75	54.00	-3.25	3	Horizontal	312	2.40
5795MHz	Pass	AV	5.791G	108.46	Inf	-Inf	3	Horizontal	312	2.40
5795MHz	Pass	PK	5.515G	61.09	68.20	-7.11	3	Horizontal	312	2.40
5795MHz	Pass	PK	5.791G	119.99	Inf	-Inf	3	Horizontal	312	2.40
5795MHz	Pass	PK	6.073G	63.45	68.20	-4.75	3	Horizontal	312	2.40
5795MHz	Pass	AV	11.59312G	44.37	54.00	-9.63	3	Vertical	183	1.97
5795MHz	Pass	PK	11.59392G	56.93	74.00	-17.07	3	Vertical	183	1.97
5795MHz	Pass	AV	11.59018G	44.39	54.00	-9.61	3	Horizontal	4	1.82
5795MHz	Pass	PK	11.59114G	56.80	74.00	-17.20	3	Horizontal	4	1.82
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	AV	5.457G	50.23	54.00	-3.77	3	Vertical	336	1.28
5775MHz	Pass	AV	5.793G	106.08	Inf	-Inf	3	Vertical	336	1.28
5775MHz	Pass	PK	5.635G	66.69	68.20	-1.51	3	Vertical	336	1.28
5775MHz	Pass	PK	5.795G	116.05	Inf	-Inf	3	Vertical	336	1.28
5775MHz	Pass	PK	6.101G	63.09	68.20	-5.11	3	Vertical	336	1.28
5775MHz	Pass	AV	5.361G	50.54	54.00	-3.46	3	Horizontal	303	1.01
5775MHz	Pass	AV	5.777G	106.18	Inf	-Inf	3	Horizontal	303	1.01

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5775MHz	Pass	PK	5.651G	68.11	68.94	-0.83	3	Horizontal	303	1.01
5775MHz	Pass	PK	5.759G	116.85	Inf	-Inf	3	Horizontal	303	1.01
5775MHz	Pass	PK	6.137G	63.37	68.20	-4.83	3	Horizontal	303	1.01
5775MHz	Pass	AV	11.54052G	44.38	54.00	-9.62	3	Vertical	168	1.85
5775MHz	Pass	PK	11.55168G	56.22	74.00	-17.78	3	Vertical	168	1.85
5775MHz	Pass	AV	11.5494G	44.37	54.00	-9.63	3	Horizontal	258	1.64
5775MHz	Pass	PK	11.54492G	57.01	74.00	-16.99	3	Horizontal	258	1.64

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

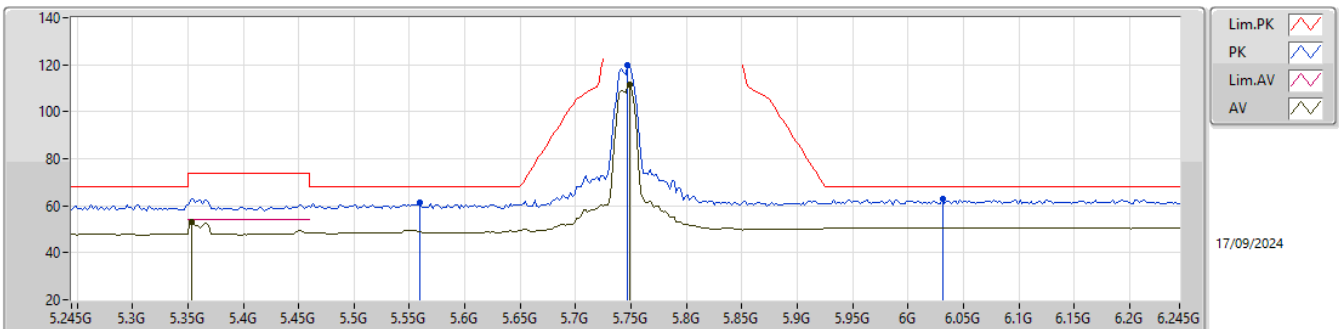
5745MHz_TX



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	5.365G	51.07	54.00	-2.93	6.97	3	Vertical	337	1.84	44.10	32.74	8.22	33.99
AV	5.747G	110.93	Inf	-Inf	7.91	3	Vertical	337	1.84	103.02	33.49	8.50	34.08
PK	5.521G	61.61	68.20	-6.59	7.06	3	Vertical	337	1.84	54.55	32.74	8.31	33.99
PK	5.747G	119.05	Inf	-Inf	7.91	3	Vertical	337	1.84	111.14	33.49	8.50	34.08
PK	5.945G	63.07	68.20	-5.13	8.72	3	Vertical	337	1.84	54.35	34.27	8.62	34.17

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

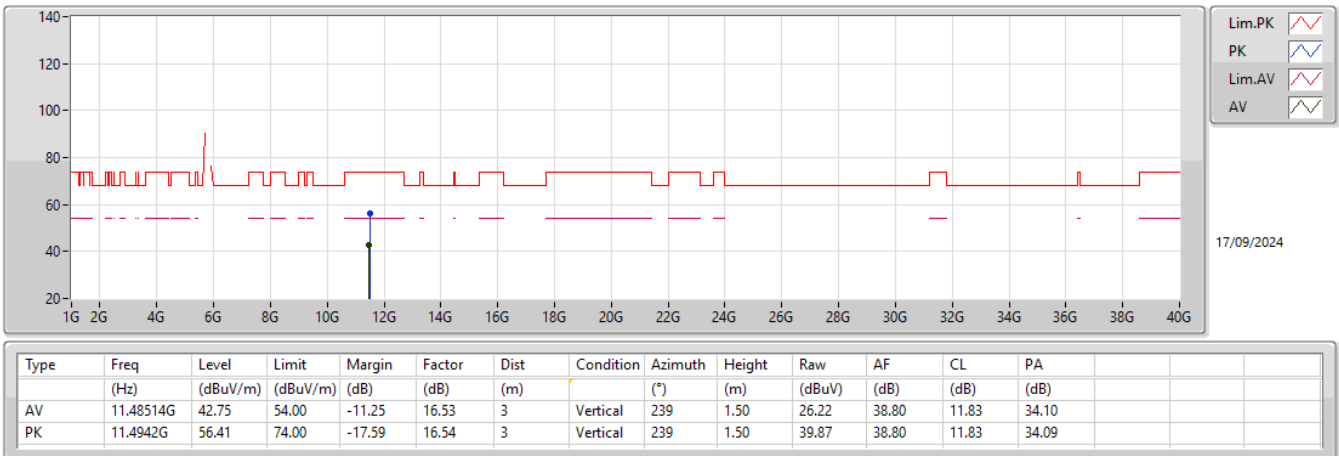
5745MHz_TX



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	5.353G	53.27	54.00	-0.73	7.01	3	Horizontal	303	1.00	46.26	32.79	8.21	33.99
AV	5.749G	111.52	Inf	-Inf	7.92	3	Horizontal	303	1.00	103.60	33.50	8.50	34.08
PK	5.559G	61.26	68.20	-6.94	7.13	3	Horizontal	303	1.00	54.13	32.80	8.33	34.00
PK	5.747G	119.84	Inf	-Inf	7.91	3	Horizontal	303	1.00	111.93	33.49	8.50	34.08
PK	6.031G	62.89	68.20	-5.31	8.49	3	Horizontal	303	1.00	54.40	34.00	8.69	34.20

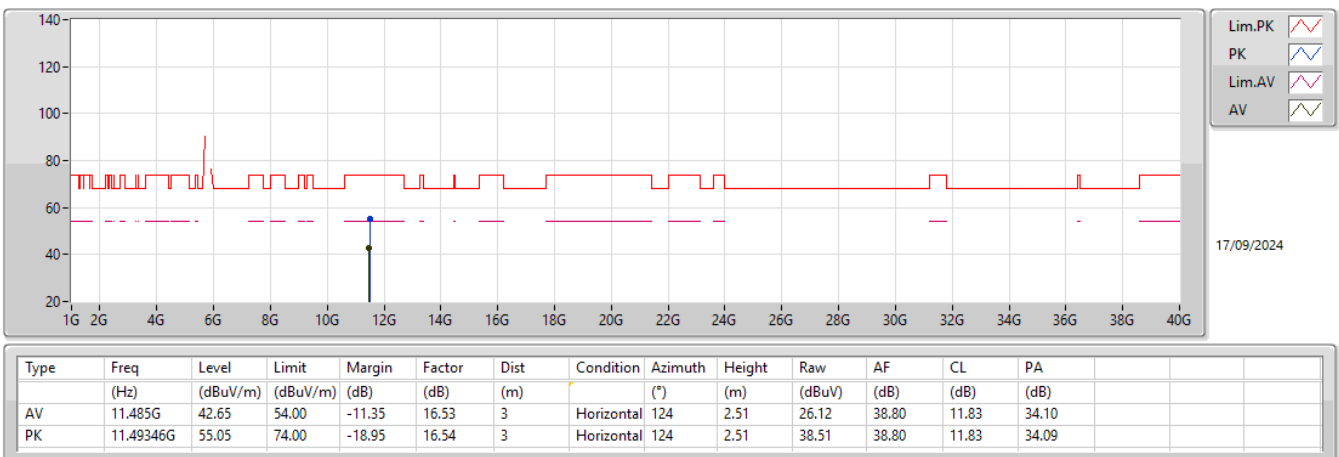
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX



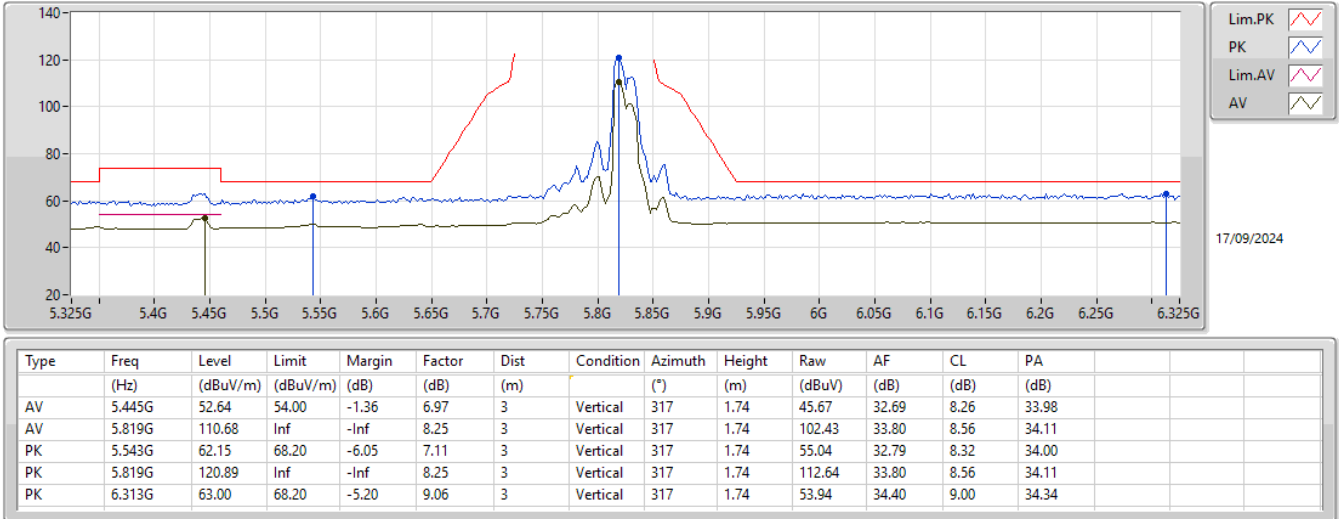
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5745MHz_TX



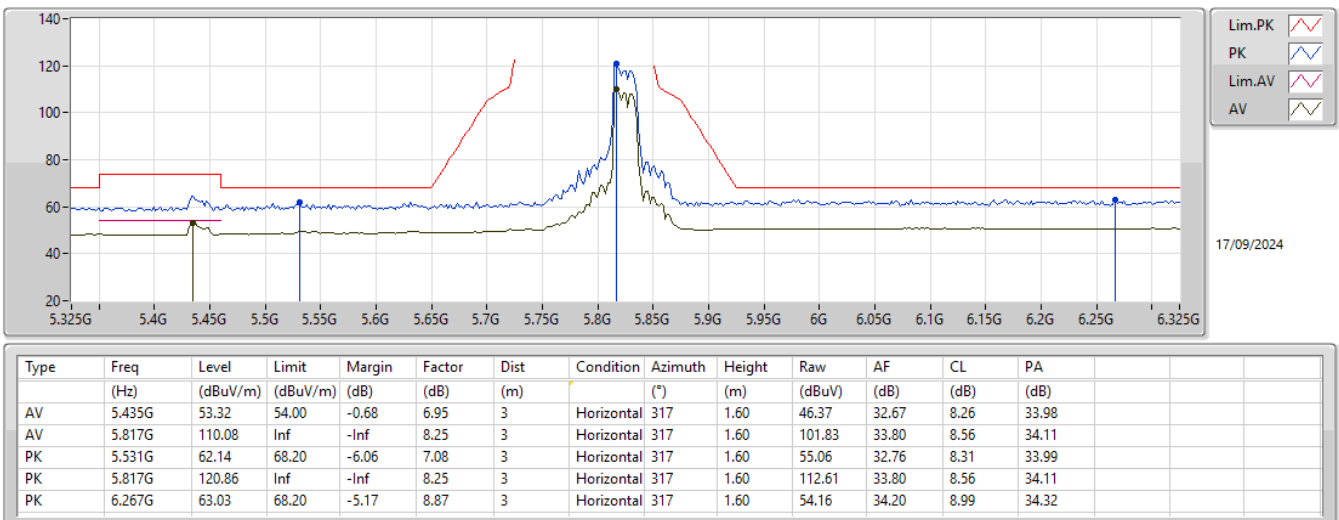
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5825MHz_TX



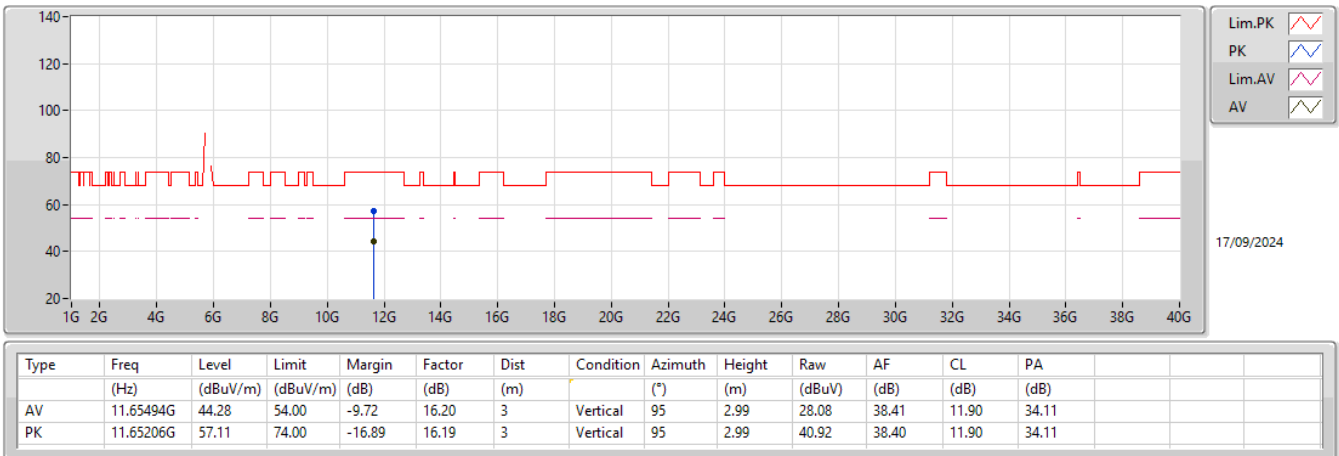
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5825MHz_TX



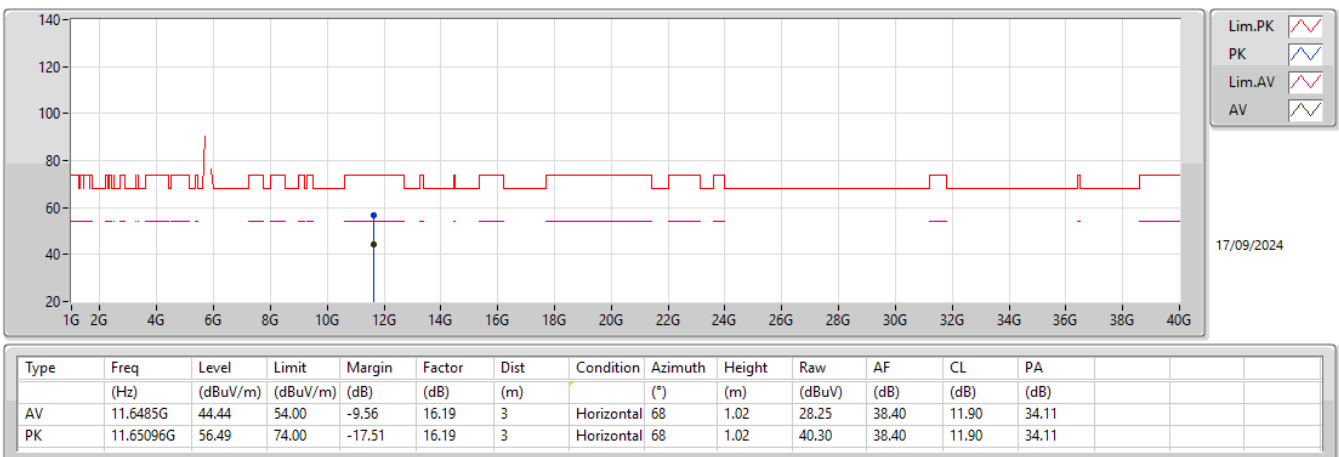
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5825MHz_TX



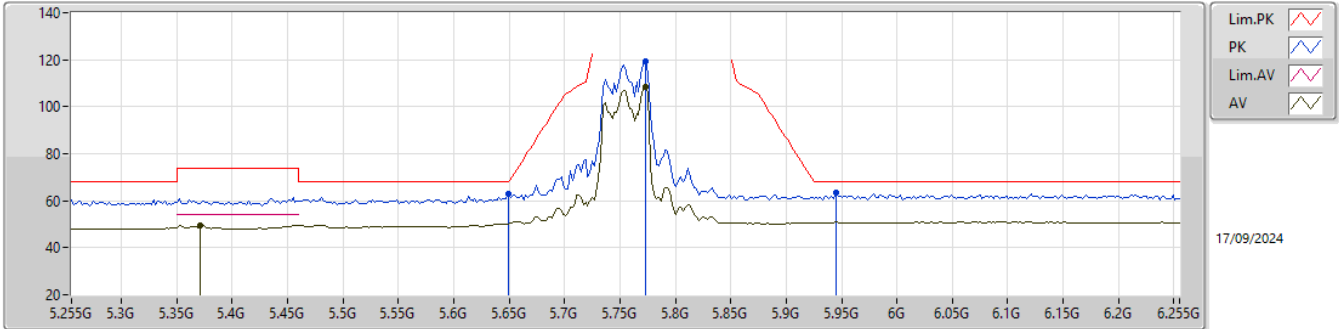
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5825MHz_TX



5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

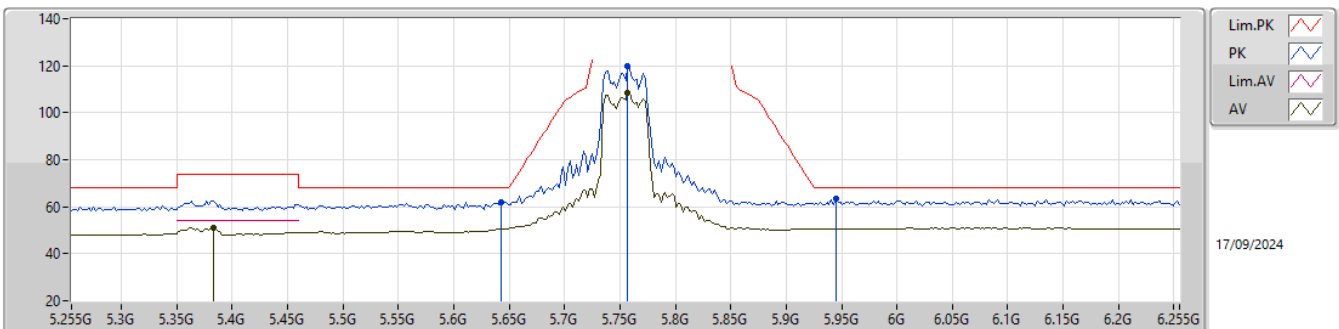
5755MHz_TX



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	5.371G	49.41	54.00	-4.59	6.95	3	Vertical	336	1.18	42.46	32.72	8.22	33.99
AV	5.773G	108.46	Inf	-Inf	8.07	3	Vertical	336	1.18	100.39	33.64	8.52	34.09
PK	5.649G	63.08	68.20	-5.12	7.36	3	Vertical	336	1.18	55.72	33.00	8.40	34.04
PK	5.773G	119.38	Inf	-Inf	8.07	3	Vertical	336	1.18	111.31	33.64	8.52	34.09
PK	5.945G	63.37	68.20	-4.83	8.72	3	Vertical	336	1.18	54.65	34.27	8.62	34.17

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

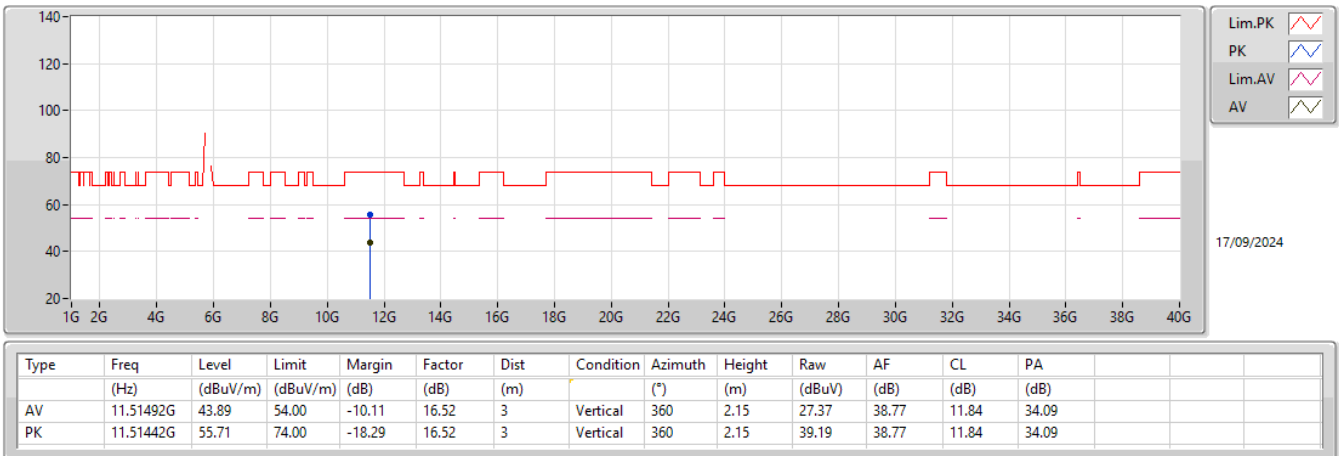
5755MHz_TX



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	5.383G	51.12	54.00	-2.88	6.91	3	Horizontal	302	1.01	44.21	32.67	8.23	33.99
AV	5.757G	108.54	Inf	-Inf	7.96	3	Horizontal	302	1.01	100.58	33.54	8.51	34.09
PK	5.643G	61.77	68.20	-6.43	7.32	3	Horizontal	302	1.01	54.45	32.97	8.39	34.04
PK	5.757G	119.77	Inf	-Inf	7.96	3	Horizontal	302	1.01	111.81	33.54	8.51	34.09
PK	5.945G	63.32	68.20	-4.88	8.72	3	Horizontal	302	1.01	54.60	34.27	8.62	34.17

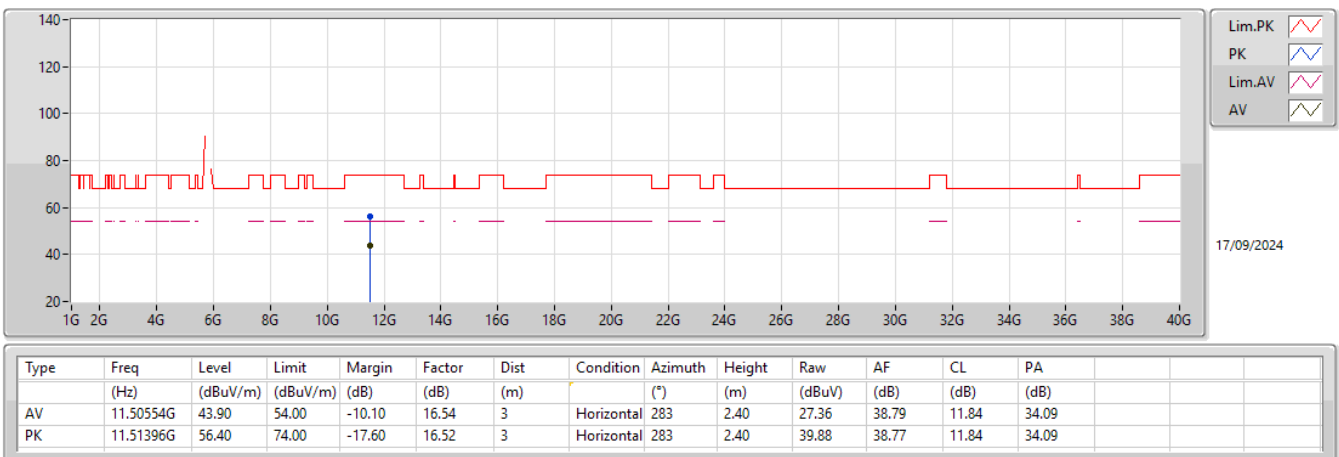
5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

5755MHz_TX



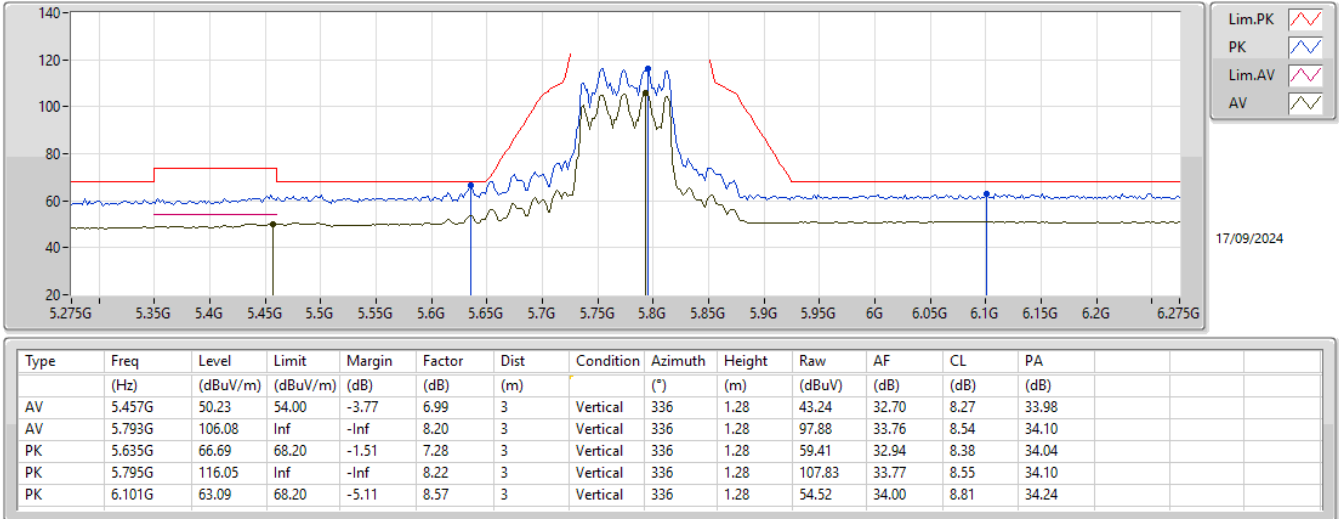
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5755MHz_TX



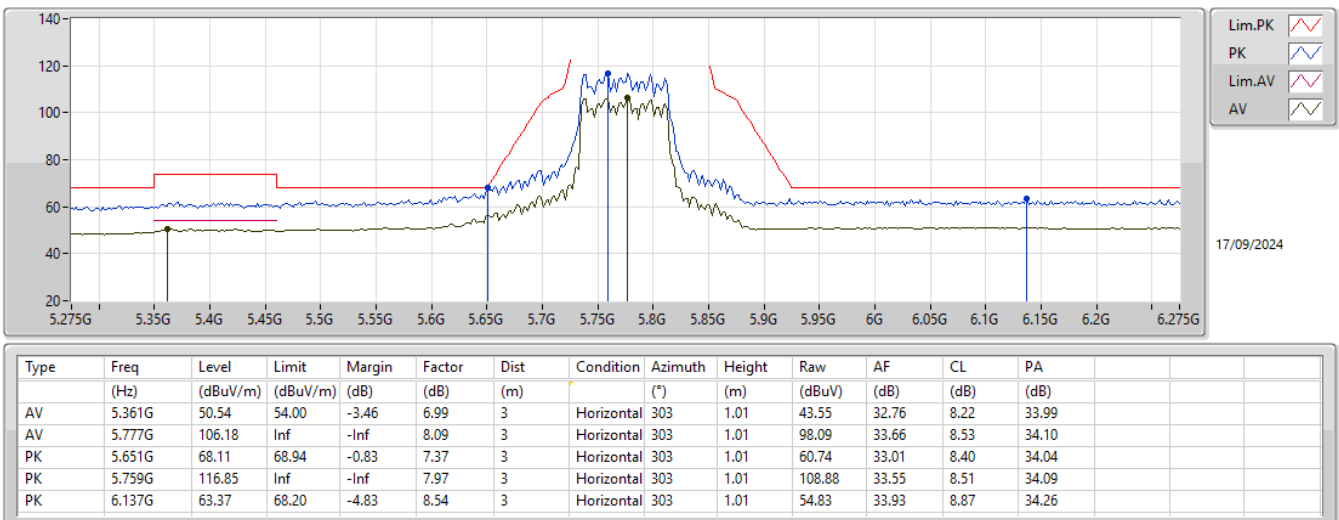
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5775MHz_TX



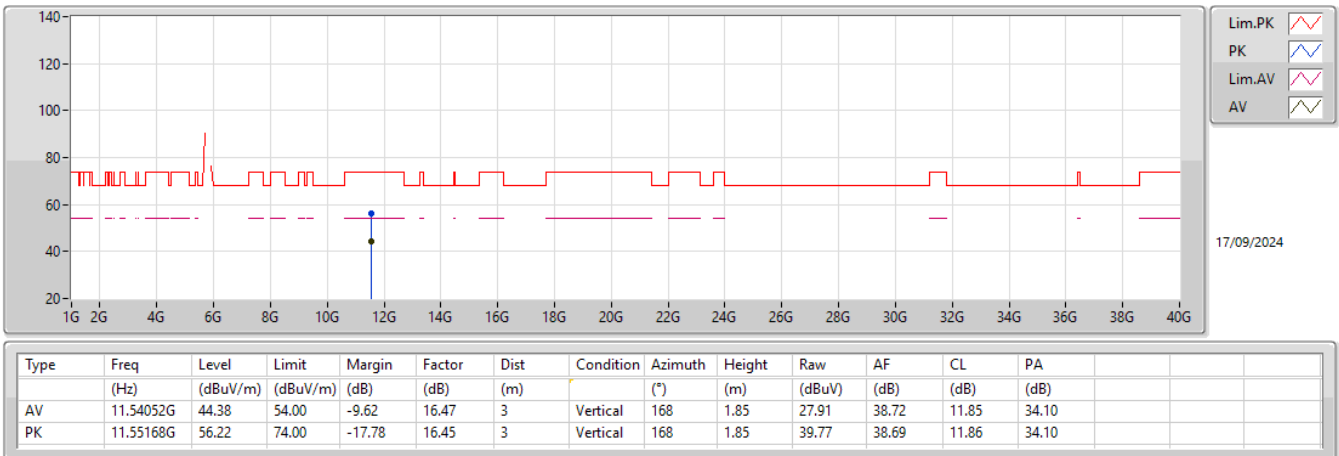
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5775MHz_TX



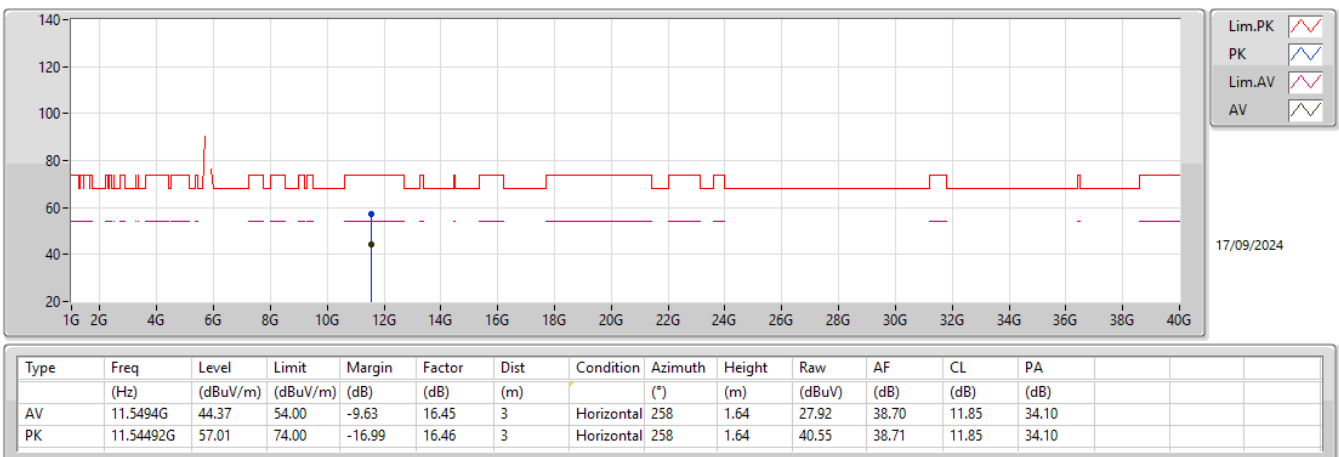
5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_4TX

5775MHz_TX



5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_4TX

5775MHz_TX





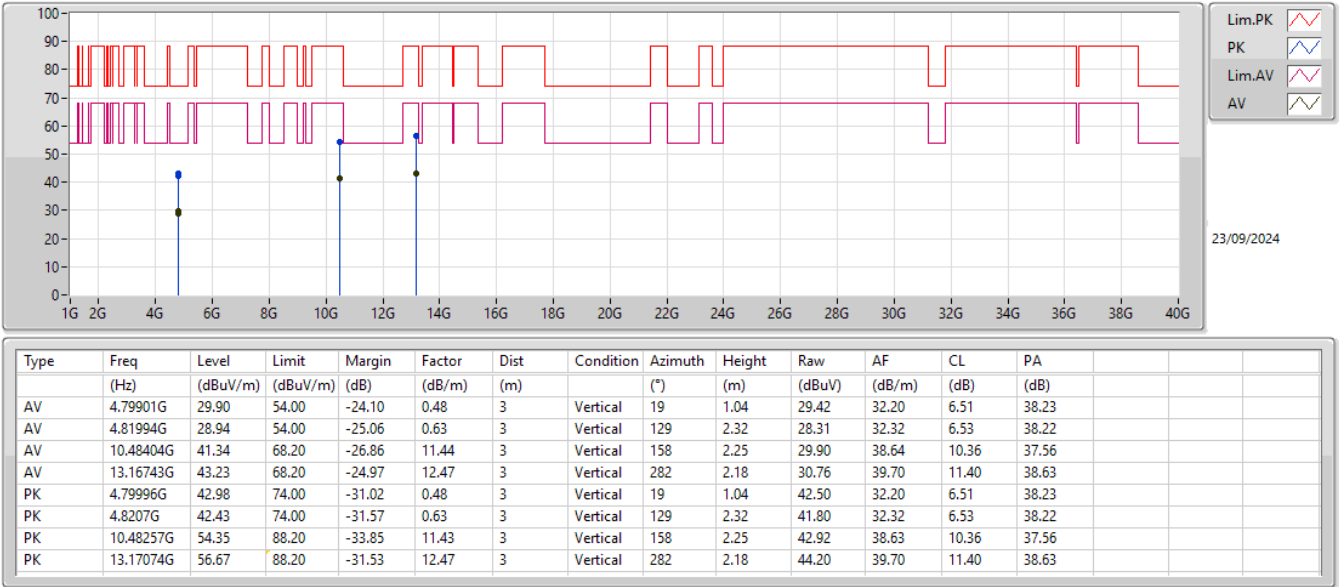
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	4.79901G	29.90	54.00	-24.10	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	4.79901G	29.90	54.00	-24.10	3	Vertical	19	1.04
Mode 1	Pass	AV	4.81994G	28.94	54.00	-25.06	3	Vertical	129	2.32
Mode 1	Pass	AV	10.48404G	41.34	68.20	-26.86	3	Vertical	158	2.25
Mode 1	Pass	AV	13.16743G	43.23	68.20	-24.97	3	Vertical	282	2.18
Mode 1	Pass	PK	4.79996G	42.98	74.00	-31.02	3	Vertical	19	1.04
Mode 1	Pass	PK	4.8207G	42.43	74.00	-31.57	3	Vertical	129	2.32
Mode 1	Pass	PK	10.48257G	54.35	88.20	-33.85	3	Vertical	158	2.25
Mode 1	Pass	PK	13.17074G	56.67	88.20	-31.53	3	Vertical	282	2.18
Mode 1	Pass	AV	4.7998G	29.85	54.00	-24.15	3	Horizontal	225	2.14
Mode 1	Pass	AV	4.82343G	29.05	54.00	-24.95	3	Horizontal	197	1.47
Mode 1	Pass	AV	10.47985G	41.28	68.20	-26.92	3	Horizontal	322	1.85
Mode 1	Pass	AV	13.17256G	43.11	68.20	-25.09	3	Horizontal	130	2.42
Mode 1	Pass	PK	4.80391G	43.36	74.00	-30.64	3	Horizontal	225	2.14
Mode 1	Pass	PK	4.82665G	42.11	74.00	-31.89	3	Horizontal	197	1.47
Mode 1	Pass	PK	10.48057G	54.82	88.20	-33.38	3	Horizontal	322	1.85
Mode 1	Pass	PK	13.16646G	56.54	88.20	-31.66	3	Horizontal	130	2.42

Radiated Emissions above 1GHz_Mode 1



Radiated Emissions above 1GHz_Mode 1

