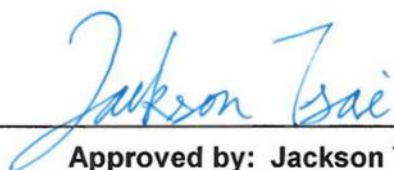


FCC Radio Test Report

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. 12, 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

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



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[illegible]

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	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
5150-5250	a, n (HT20), ac (VHT20), ax (HEW20), be (EHT20)	5180-5240	36-48 [4]
5150-5250	n (HT40), ac (VHT40), ax (HEW40), be (EHT40)	5190-5230	38-46 [2]
5150-5250	ac (VHT80), ax (HEW80) , be (EHT80)	5210	42 [1]

Non-Beamforming_Radio 2_1TX

Band	Mode	BWch	Nant
5.15-5.25GHz	802.11a	20	1TX
5.15-5.25GHz	802.11be EHT20	20	1TX
5.15-5.25GHz	802.11be EHT40	40	1TX
5.15-5.25GHz	802.11be EHT80	80	1TX

Non-Beamforming_Radio 2_2TX

Band	Mode	BWch	Nant
5.15-5.25GHz	802.11a	20	2TX
5.15-5.25GHz	802.11be EHT20	20	2TX
5.15-5.25GHz	802.11be EHT40	40	2TX
5.15-5.25GHz	802.11be EHT80	80	2TX

Non-Beamforming_Radio 2_4TX

Band	Mode	BWch	Nant
5.15-5.25GHz	802.11a	20	4TX
5.15-5.25GHz	802.11be EHT20	20	4TX
5.15-5.25GHz	802.11be EHT40	40	4TX
5.15-5.25GHz	802.11be EHT80	80	4TX

Beamforming_Radio 2_2TX

Band	Mode	BWch	Nant
5.15-5.25GHz	802.11be EHT20-BF	20	2TX
5.15-5.25GHz	802.11be EHT40-BF	40	2TX
5.15-5.25GHz	802.11be EHT80-BF	80	2TX

Beamforming_Radio 2_4TX

Band	Mode	BWch	Nant
5.15-5.25GHz	802.11be EHT20-BF	20	4TX
5.15-5.25GHz	802.11be EHT40-BF	40	4TX
5.15-5.25GHz	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
802.11be EHT160_Nss1,(MCS0)_4TX	0.951	0.22	2.147m	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
802.11be EHT160-BF_Nss1,(MCS0)_4TX	0.951	0.22	2.147m	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℃ / 53~58%	02/Oct/2024
RF Conducted (2TX/4TX)	TH07-HY	Yuna Lin	23.1~23.9℃ / 50~55%	16/Sep/2024~25/Sep/2024
Radiated(Co-location)	03CH02-HY	Vasari Huang	23.5~25.2℃ / 52~55%	23/Sep/2024
Radiated (R2 1TX Below 1G)	03CH03-HY	Simon Cheng	20.8~22.4℃ / 61~63%	16/Sep/2024~02/Oct/2024
Radiated (R2 2TX Below 1G)	03CH03-HY	Simon Cheng	20.5~21.7℃ / 57~62%	15/Sep/2024~20/Sep/2024
Radiated (R2 4TX Below 1G)	03CH03-HY	Simon Cheng	20.5~21.7℃ / 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.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted(1TX)	TH06-HY	Johnny Yu	23.7~23.9℃ / 50~55%	26/Sep/2024~01/Oct/2024
Radiated (R2 1TX Above 1G)	03CH25-HY	Andy Wang	21.3~22.6℃ / 59~63%	29/Sep/2024~30/Sep/2024
Radiated (R2 2TX Above 1G)	03CH25-HY	Andy Wang	21.7~22.1℃ / 60~63%	12/Sep/2024
Radiated (R2 4TX Above 1G)	03CH25-HY	Andy Wang	21.1~22.5℃ / 60~65%	12/Sep/2024~13/Sep/2024

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
Emission Bandwidth	3 MHz	Confidence levels of 95%
Maximum Conducted Output Power	2 dB	Confidence levels of 95%
Power Spectral Density	2 dB	Confidence levels of 95%
Unwanted Emissions	4.8 dB	Confidence levels of 95%
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	-
5180MHz	21.5
5200MHz	22
5240MHz	22
802.11be EHT20_Nss1,(MCS0)_1TX	-
5180MHz	21
5200MHz	22
5240MHz	22
802.11be EHT40_Nss1,(MCS0)_1TX	-
5190MHz	20.5
5230MHz	22
802.11be EHT80_Nss1,(MCS0)_1TX	-
5210MHz	21.5

Non-Beamforming _Radio 2_2TX

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	20
5200MHz	21.5
5240MHz	22
802.11be EHT20_Nss1,(MCS0)_2TX	-
5180MHz	19.5
5200MHz	21.5
5240MHz	22
802.11be EHT40_Nss1,(MCS0)_2TX	-
5190MHz	20
5230MHz	22
802.11be EHT80_Nss1,(MCS0)_2TX	-
5210MHz	21

**Non-Beamforming_Radio 2_4TX**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	19.5
5200MHz	21
5240MHz	22
802.11be EHT20_Nss1,(MCS0)_4TX	-
5180MHz	19.5
5200MHz	22
5240MHz	22
802.11be EHT40_Nss1,(MCS0)_4TX	-
5190MHz	20
5230MHz	22
802.11be EHT80_Nss1,(MCS0)_4TX	-
5210MHz	20

Beamforming_Radio 2_2TX

Mode	Power Setting
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	19.5
5200MHz	21.5
5240MHz	22
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	20
5230MHz	22
802.11be EHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	21

Beamforming_Radio 2_4TX

Mode	Power Setting
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-
5180MHz	19.5
5200MHz	22
5240MHz	22
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-
5190MHz	20
5230MHz	22
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-
5210MHz	20

2.2 The Worst Case Measurement Configuration

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

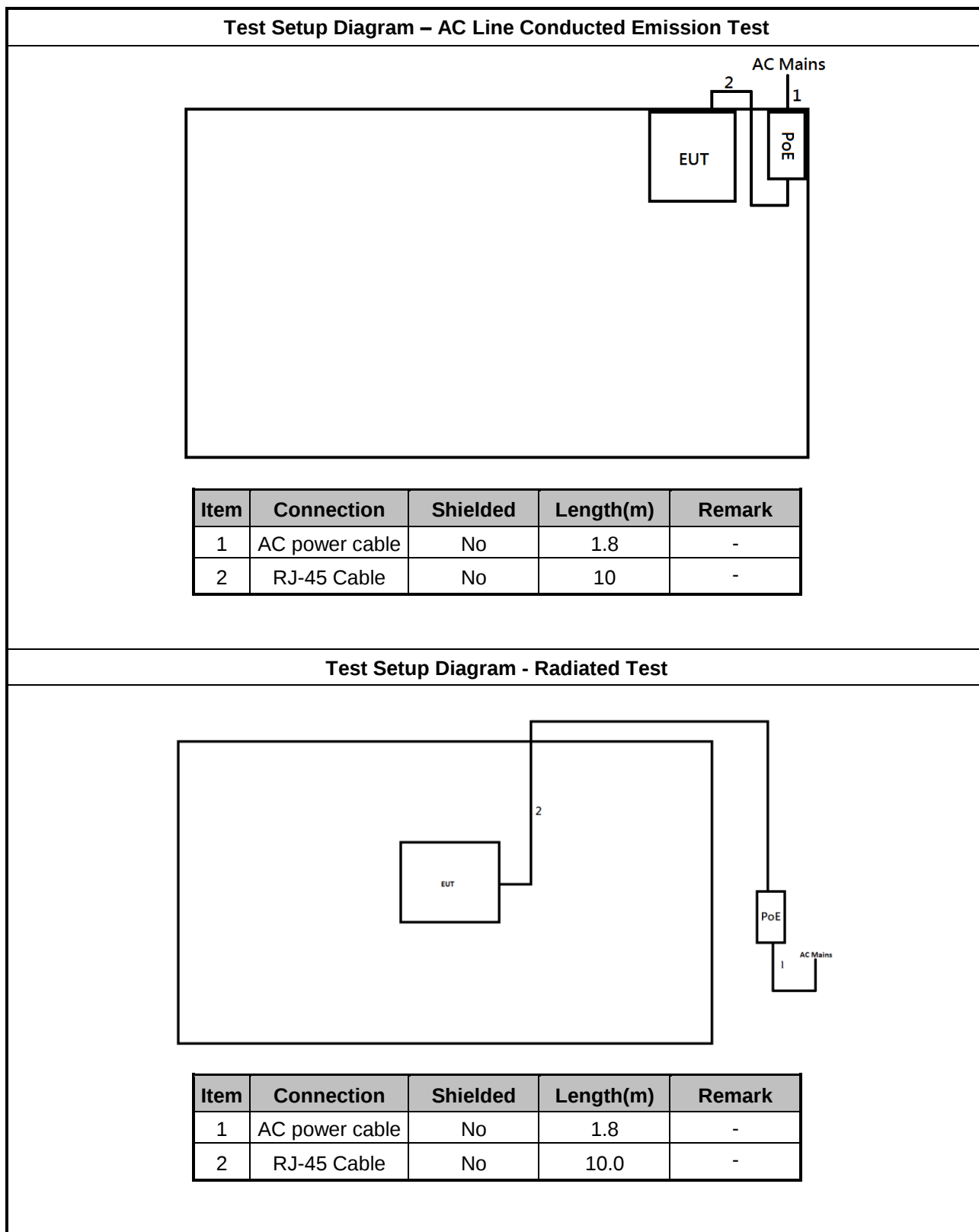
2.4 Support Equipment

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

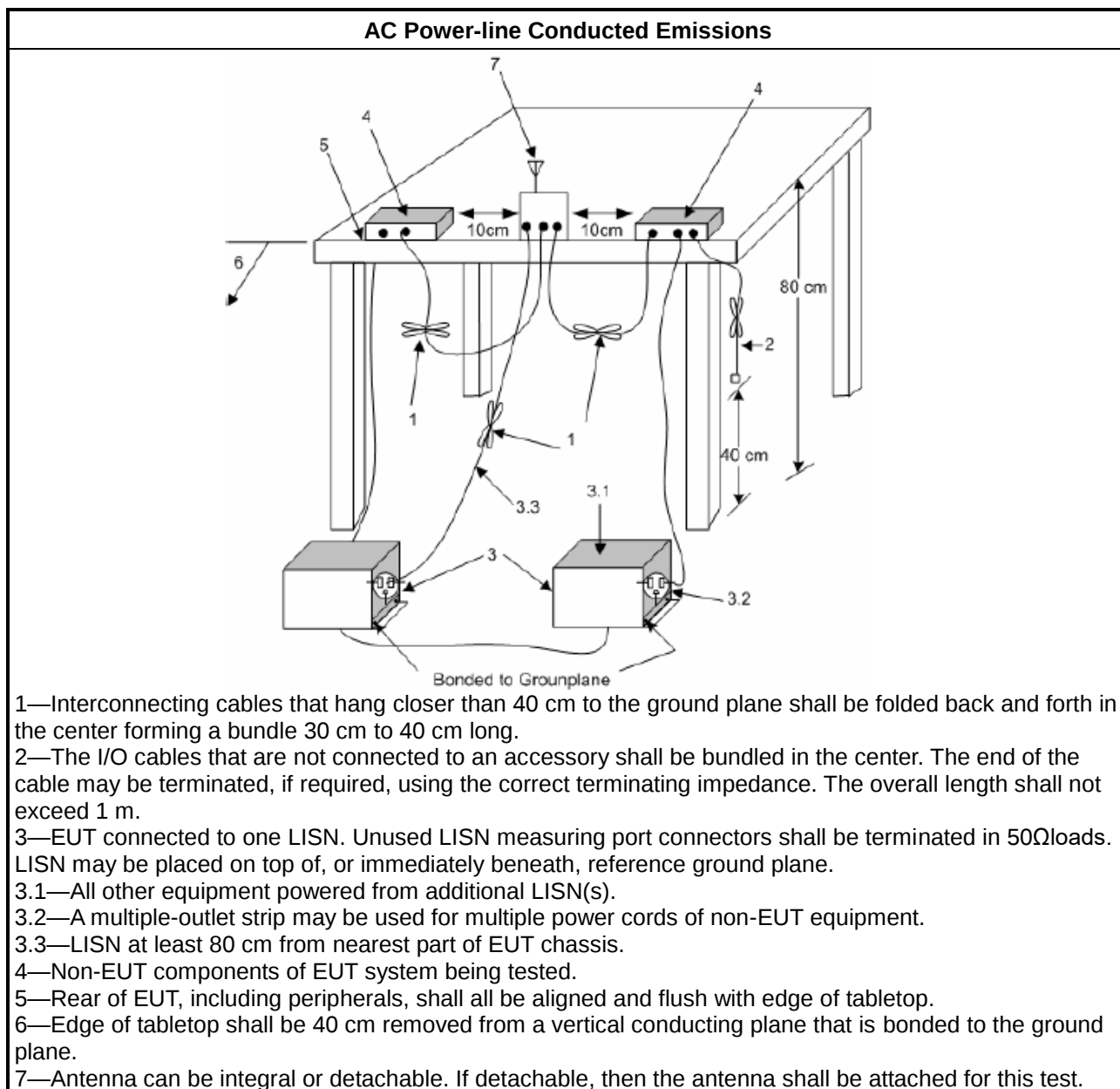
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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.

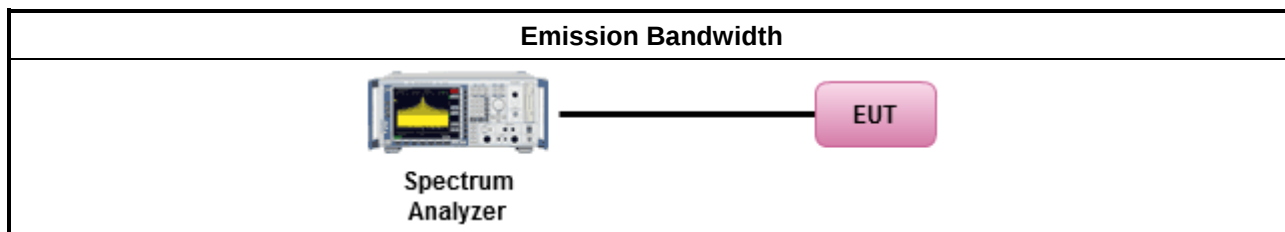
3.2.2 Measuring Instruments

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.	

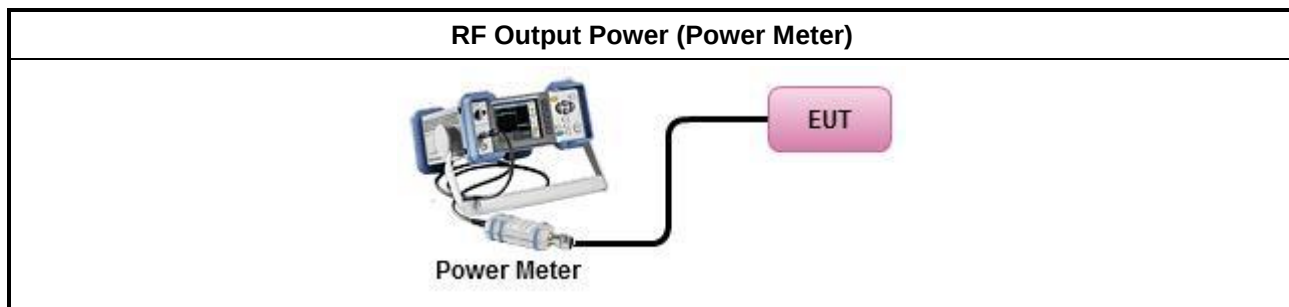
3.3.2 Measuring Instruments

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

3.3.4 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.	

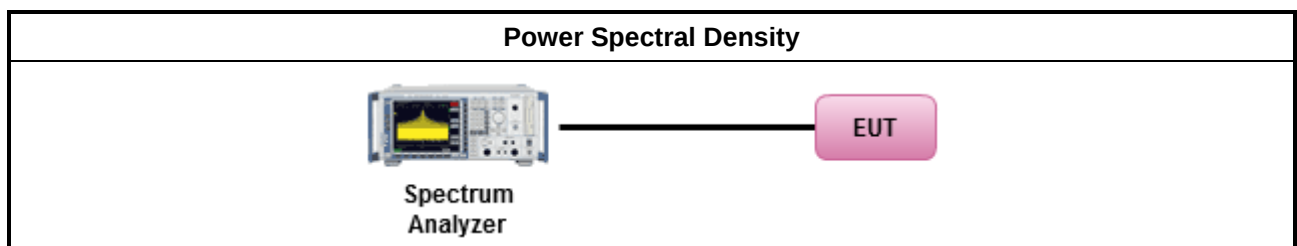
3.4.2 Measuring Instruments

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.

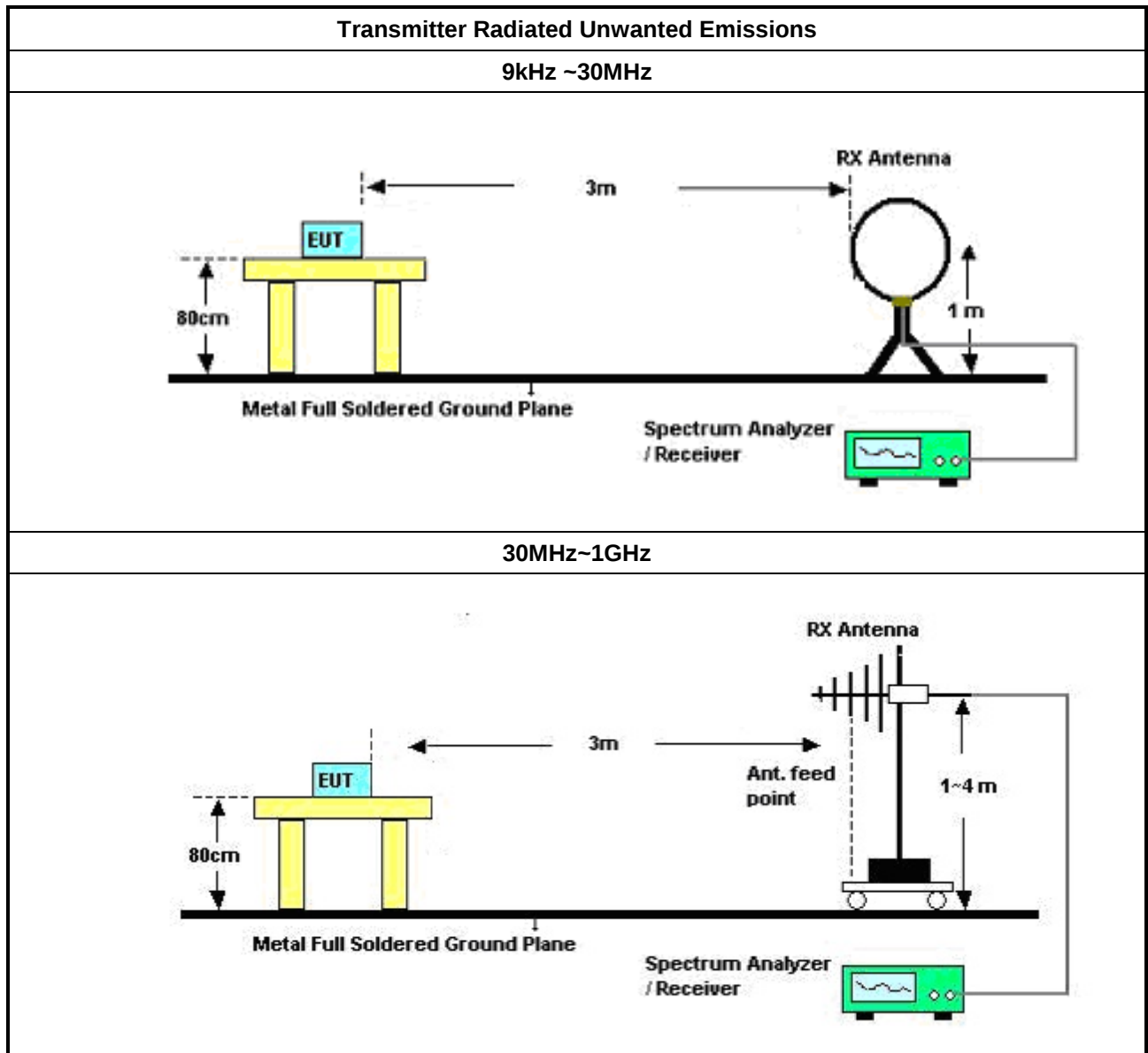
Use the following spectrum analyzer settings:	
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
KDB 414788 Open-Field Test Sites and Chamber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

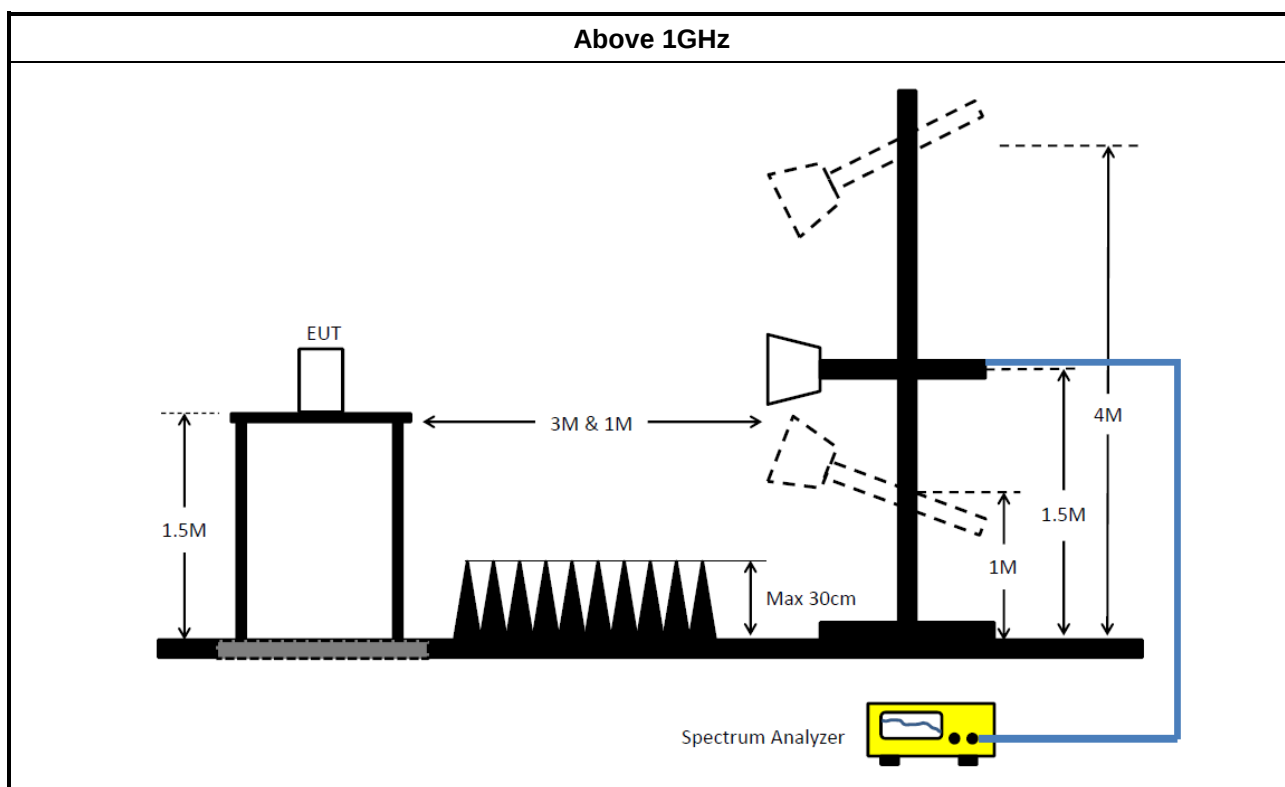
3.5.4 Measurement Results Calculation

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_TH06-HY

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	30/Oct/2023	29/Oct/2024
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	20/Oct/2023	19/Oct/2024
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	01/Apr/2024	31/Mar/2025
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	02/Apr/2024	01/Apr/2025
SENSE-15407_NII	Sporton	V5.11.20	N/A	N/A	N/A	N/A

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_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	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 / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	15/Oct/2023	14/Oct/2024
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
Amplifier	Aglient	8447D	2944A08033	100kHz~1.3GHz	13/Sep/2024	12/Sep/2025
SENSE-15407-NII	Sporton	V5.11.20	NA	NA	NA	NA

Instrument for Radiated Test_03CH25-HY

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH25-HY	1GHz~18GHz 3m	08/Aug/2024	07/Aug/2025
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101410	10Hz~44GHz	17/Nov/2023	16/Nov/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02876	1GHz~18GHz	11/Jul/2024	10/Jul/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	04/Jun/2024	03/Jun/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	1GHz~40GHz	23/Apr/2024	22/Apr/2025
Preamplifier	SGH	PRAMP 118-H	20230515-3	1GHz ~18GHz	24/May/2024	23/May/2025
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270197	1 GHz ~ 26.5 GHz	26/Jan/2024	25/Jan/2025
Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	15/Apr/2024	14/Apr/2025
SENSE-15407-NII	Sporton	V5.11.20	NA	NA	NA	NA

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



Conducted Emissions at Powerline

Appendix A

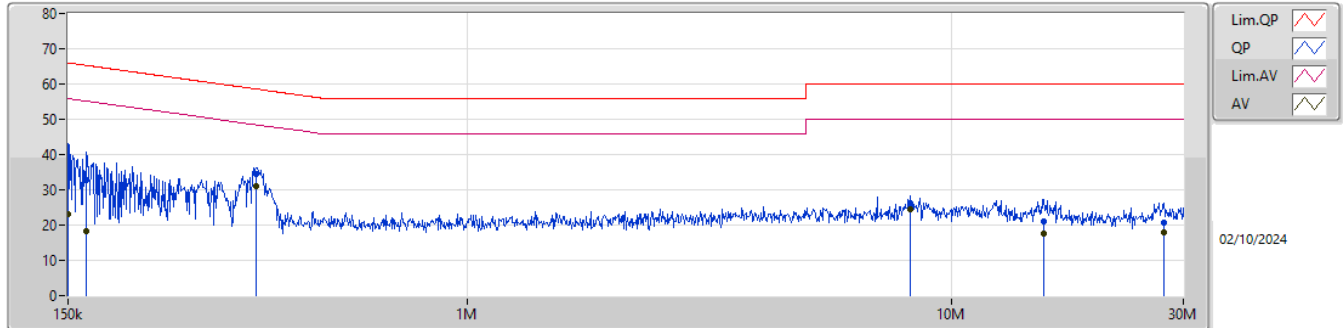
Summary

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

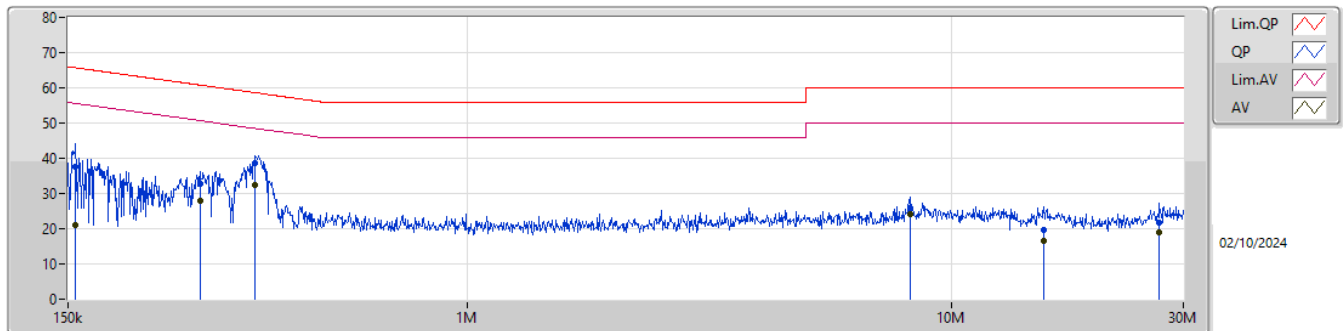
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	150k	38.39	66.00	-27.61	Line
Mode 1	Pass	AV	150k	23.00	56.00	-33.00	Line
Mode 1	Pass	QP	163.769k	32.62	65.27	-32.65	Line
Mode 1	Pass	AV	163.769k	18.18	55.27	-37.09	Line
Mode 1	Pass	QP	366.811k	34.46	58.58	-24.12	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)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	22.825M	16.866M	16M9D1D	21.45M	16.602M
802.11be EHT20_Nss1,(MCS0)_1TX	22.44M	19.265M	19M3D1D	21.615M	19.065M
802.11be EHT40_Nss1,(MCS0)_1TX	59.62M	37.931M	37M9D1D	40.37M	37.881M
802.11be EHT80_Nss1,(MCS0)_1TX	84.7M	77.561M	77M6D1D	84.7M	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)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	22.11M	16.734M
5200MHz	Pass	Inf	22.825M	16.602M
5240MHz	Pass	Inf	21.45M	16.866M
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	22.275M	19.09M
5200MHz	Pass	Inf	22.44M	19.065M
5240MHz	Pass	Inf	21.615M	19.265M
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	40.37M	37.881M
5230MHz	Pass	Inf	59.62M	37.931M
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	84.7M	77.561M

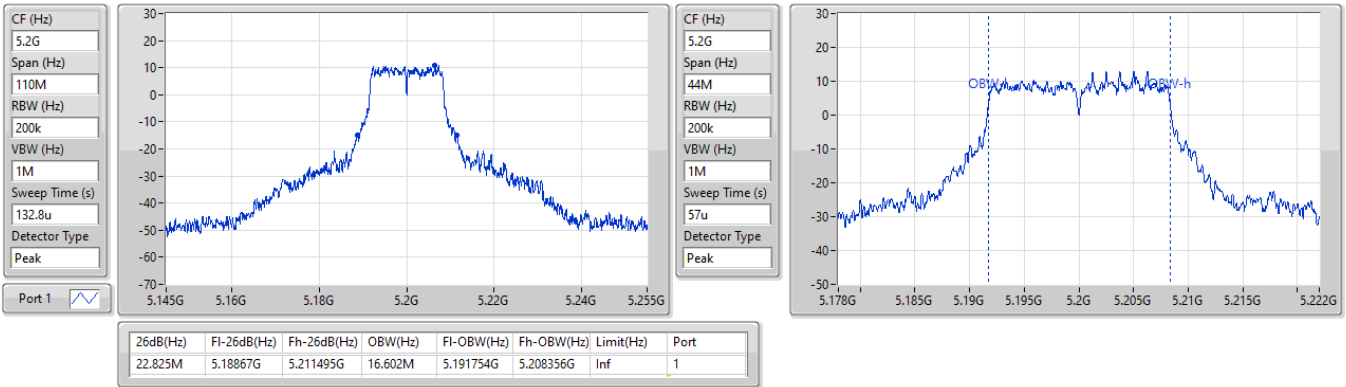
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5200MHz

01/10/2024

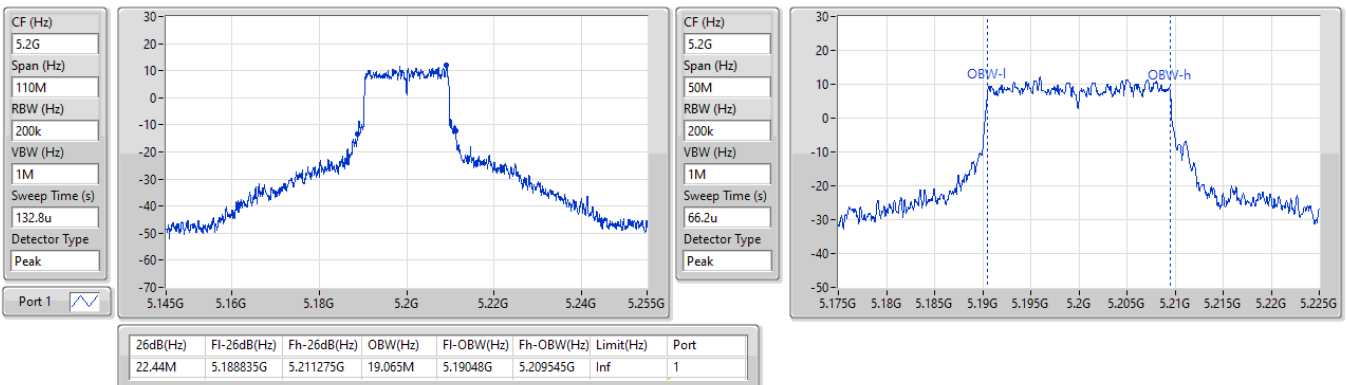


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5200MHz

01/10/2024

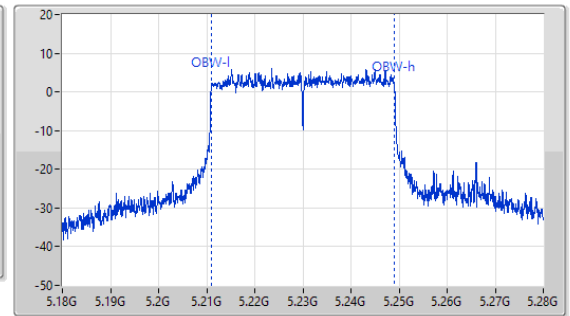
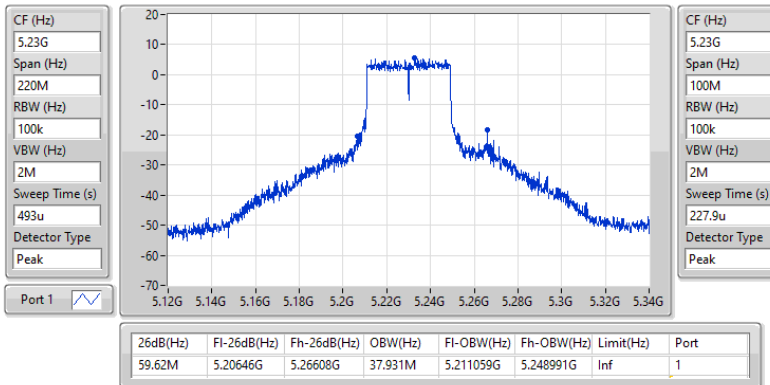


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_1TX

EBW

5230MHz

01/10/2024

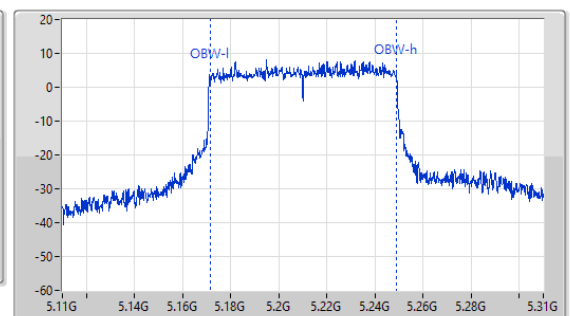
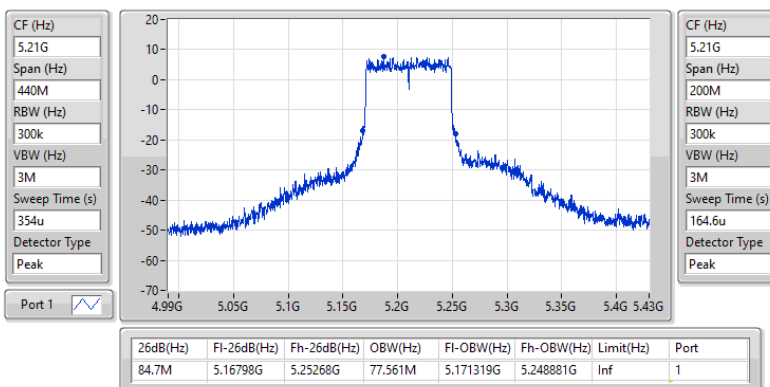


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_1TX

EBW

5210MHz

01/10/2024



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.78M	16.822M	16M8D1D	21.065M	16.646M
802.11be EHT20_Nss1,(MCS0)_2TX	22M	19.04M	19M0D1D	21.23M	18.966M
802.11be EHT40_Nss1,(MCS0)_2TX	43.12M	37.981M	38M0D1D	40.48M	37.781M
802.11be EHT80_Nss1,(MCS0)_2TX	83.6M	77.661M	77M7D1D	82.94M	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	-	-	-	-	-	-
5180MHz	Pass	Inf	21.395M	16.69M	21.505M	16.668M
5200MHz	Pass	Inf	21.065M	16.646M	21.065M	16.69M
5240MHz	Pass	Inf	21.56M	16.69M	21.78M	16.822M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.23M	19.04M	22M	18.966M
5200MHz	Pass	Inf	21.285M	19.04M	21.45M	18.991M
5240MHz	Pass	Inf	21.725M	19.015M	21.67M	19.015M
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	41.47M	37.931M	40.92M	37.781M
5230MHz	Pass	Inf	40.48M	37.831M	43.12M	37.981M
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	82.94M	77.561M	83.6M	77.661M

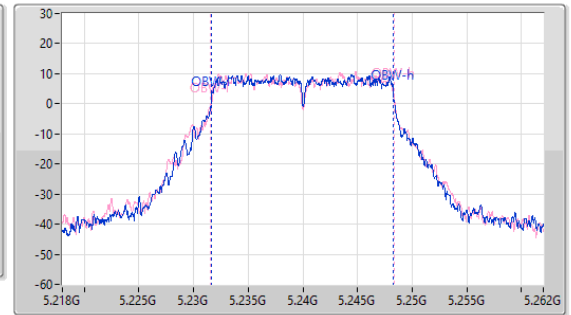
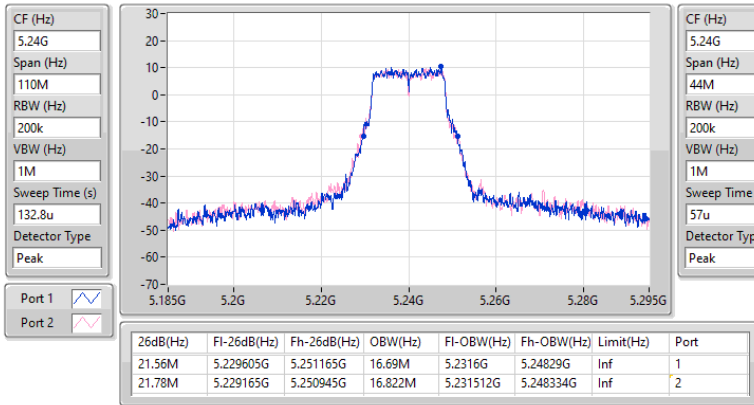
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5240MHz

16/09/2024

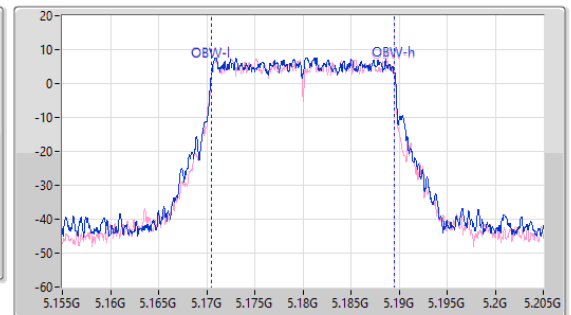
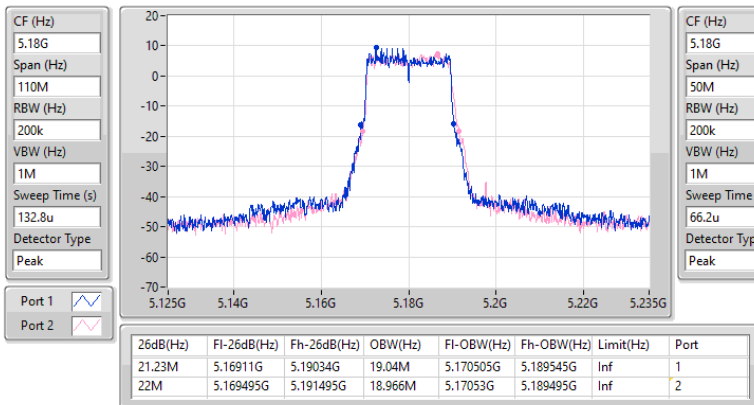


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5180MHz

16/09/2024

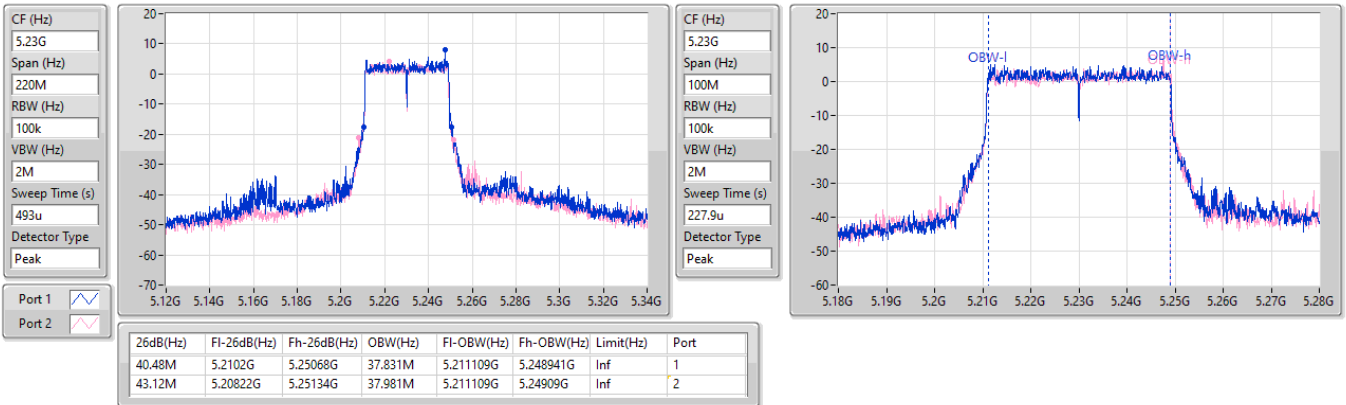


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5230MHz

16/09/2024

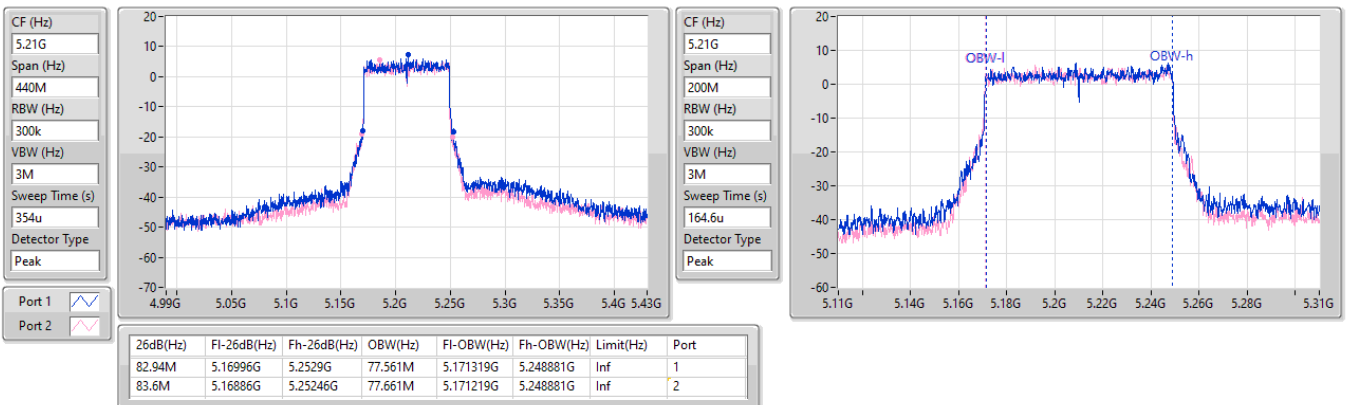


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5210MHz

16/09/2024



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	22.935M	16.91M	16M9D1D	20.79M	16.514M
802.11be EHT20_Nss1,(MCS0)_4TX	21.945M	19.19M	19M2D1D	20.68M	18.966M
802.11be EHT40_Nss1,(MCS0)_4TX	42.46M	38.031M	38M0D1D	40.04M	37.881M
802.11be EHT80_Nss1,(MCS0)_4TX	86.02M	77.561M	77M6D1D	83.16M	77.461M

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	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.89M	16.91M	21.505M	16.58M	22.605M	16.514M	20.9M	16.58M
5200MHz	Pass	Inf	21.89M	16.646M	22.055M	16.822M	22.055M	16.624M	21.45M	16.602M
5240MHz	Pass	Inf	22.22M	16.602M	22.935M	16.756M	21.56M	16.668M	20.79M	16.558M
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.45M	19.065M	21.835M	18.991M	20.9M	18.966M	20.68M	19.065M
5200MHz	Pass	Inf	21.89M	19.015M	21.725M	19.19M	20.68M	19.04M	21.945M	19.09M
5240MHz	Pass	Inf	21.835M	19.015M	21.45M	19.09M	21.285M	19.115M	21.395M	18.991M
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	41.8M	37.881M	40.26M	37.881M	40.04M	37.881M	42.46M	37.931M
5230MHz	Pass	Inf	41.03M	38.031M	40.81M	37.881M	40.26M	37.931M	41.36M	37.881M
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	86.02M	77.461M	85.36M	77.461M	83.16M	77.561M	83.38M	77.461M

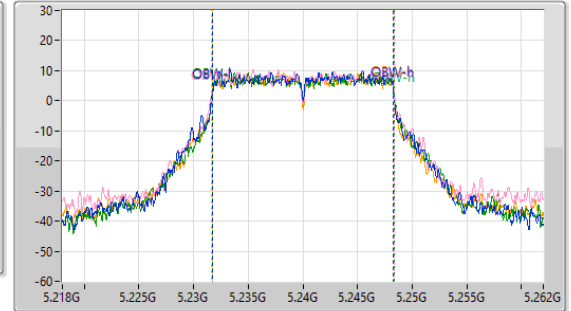
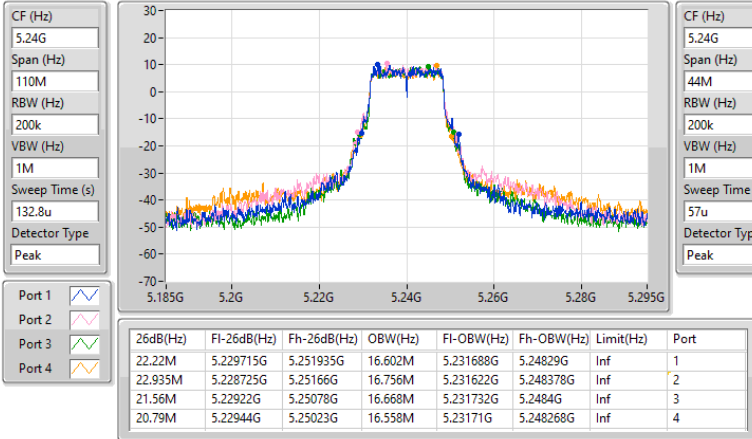
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5240MHz

16/09/2024

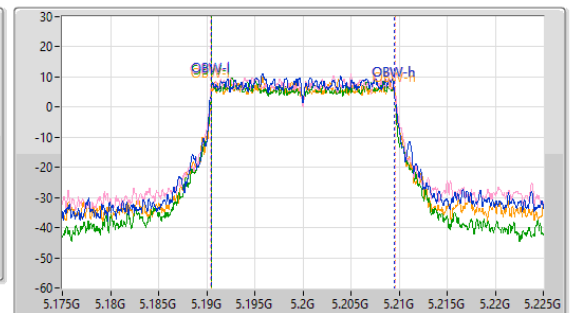
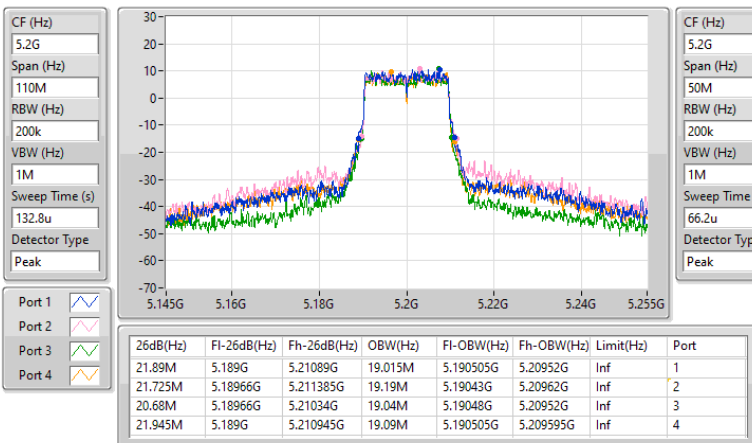


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5200MHz

16/09/2024

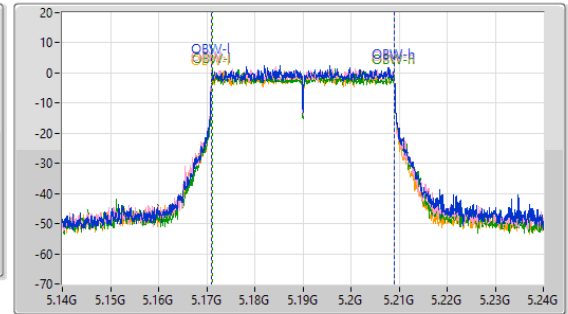
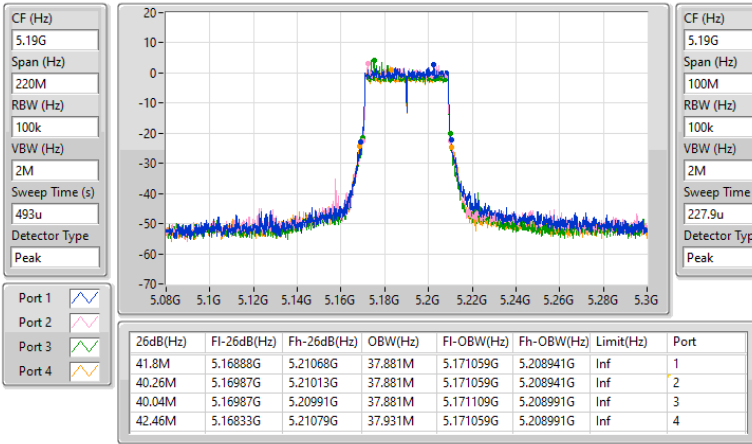


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5190MHz

16/09/2024

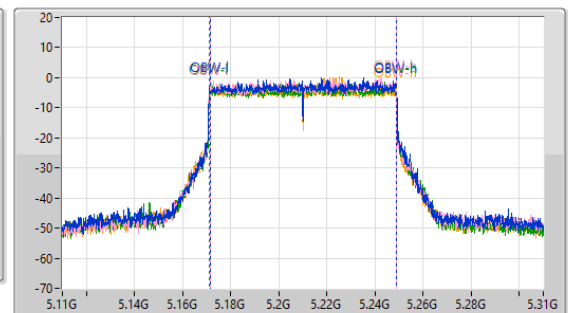
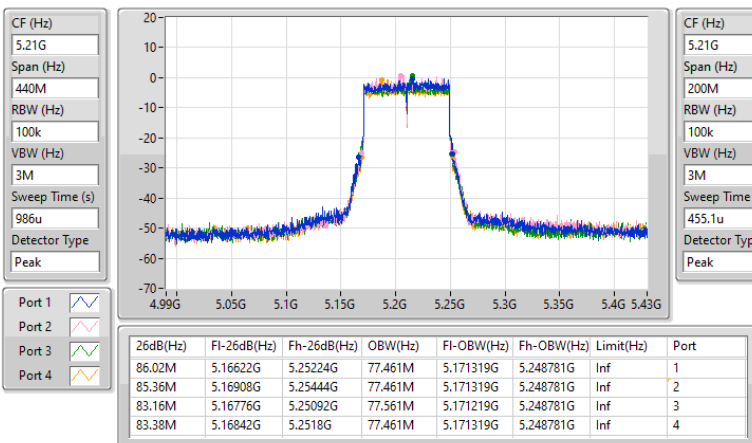


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5210MHz

16/09/2024





Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	22.82	0.19143	26.27	0.42364
802.11be EHT20_Nss1,(MCS0)_1TX	23.01	0.19999	26.46	0.44259
802.11be EHT40_Nss1,(MCS0)_1TX	23.21	0.20941	26.66	0.46345
802.11be EHT80_Nss1,(MCS0)_1TX	22.55	0.17989	26.00	0.39811

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	3.45	22.10	22.10	30.00	25.55	Inf
5200MHz	Pass	3.45	22.70	22.70	30.00	26.15	Inf
5240MHz	Pass	3.45	22.82	22.82	30.00	26.27	Inf
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	3.45	21.77	21.77	30.00	25.22	Inf
5200MHz	Pass	3.45	22.86	22.86	30.00	26.31	Inf
5240MHz	Pass	3.45	23.01	23.01	30.00	26.46	Inf
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	3.45	21.43	21.43	30.00	24.88	Inf
5230MHz	Pass	3.45	23.21	23.21	30.00	26.66	Inf
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	3.45	22.55	22.55	30.00	26.00	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)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	25.82	0.38194	29.27	0.84528
802.11be EHT20_Nss1,(MCS0)_2TX	25.93	0.39174	29.38	0.86696
802.11be EHT40_Nss1,(MCS0)_2TX	25.76	0.37670	29.21	0.83368
802.11be EHT80_Nss1,(MCS0)_2TX	24.73	0.29717	28.18	0.65766



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	3.45	20.96	20.71	23.85	30.00	27.30	Inf
5200MHz	Pass	3.45	22.71	22.13	25.44	30.00	28.89	Inf
5240MHz	Pass	3.45	22.87	22.75	25.82	30.00	29.27	Inf
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	3.45	21.08	20.74	23.92	30.00	27.37	Inf
5200MHz	Pass	3.45	22.72	22.09	25.43	30.00	28.88	Inf
5240MHz	Pass	3.45	23.09	22.74	25.93	30.00	29.38	Inf
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	3.45	20.93	20.51	23.74	30.00	27.19	Inf
5230MHz	Pass	3.45	22.91	22.59	25.76	30.00	29.21	Inf
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	3.45	21.98	21.45	24.73	30.00	28.18	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)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	28.48	0.70469	33.74	2.36592
802.11be EHT20_Nss1,(MCS0)_4TX	28.58	0.72111	33.84	2.42103
802.11be EHT40_Nss1,(MCS0)_4TX	28.38	0.68865	33.64	2.31206
802.11be EHT80_Nss1,(MCS0)_4TX	26.36	0.43251	31.62	1.45211



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	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	5.26	20.24	20.34	19.18	19.34	25.83	30.00	31.09	Inf
5200MHz	Pass	5.26	21.83	21.86	20.60	20.72	27.31	30.00	32.57	Inf
5240MHz	Pass	5.26	22.60	22.83	22.34	22.02	28.48	30.00	33.74	Inf
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	5.26	20.42	20.50	19.31	19.45	25.97	30.00	31.23	Inf
5200MHz	Pass	5.26	22.96	22.92	21.87	21.72	28.43	30.00	33.69	Inf
5240MHz	Pass	5.26	22.74	22.97	22.35	22.11	28.58	30.00	33.84	Inf
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	5.26	20.87	20.85	19.64	19.57	26.30	30.00	31.56	Inf
5230MHz	Pass	5.26	22.87	22.84	21.96	21.64	28.38	30.00	33.64	Inf
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	5.26	20.92	20.87	19.85	19.56	26.36	30.00	31.62	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)
5.15-5.25GHz	-	-	-	-
802.11be EHT20-BF_Nss1,(MCS0)_2TX	25.81	0.38107	30.77	1.19399
802.11be EHT40-BF_Nss1,(MCS0)_2TX	25.66	0.36813	30.62	1.15345
802.11be EHT80-BF_Nss1,(MCS0)_2TX	24.60	0.28840	29.56	0.90365

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.96	20.96	20.59	23.79	30.00	28.75	Inf
5200MHz	Pass	4.96	22.6	21.95	25.30	30.00	30.26	Inf
5240MHz	Pass	4.96	22.96	22.63	25.81	30.00	30.77	Inf
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.96	20.8	20.39	23.61	30.00	28.57	Inf
5230MHz	Pass	4.96	22.81	22.48	25.66	30.00	30.62	Inf
802.11be EHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.96	21.87	21.3	24.60	30.00	29.56	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)
5.15-5.25GHz	-	-	-	-
802.11be EHT20-BF_Nss1,(MCS0)_4TX	28.32	0.67920	35.08	3.22107
802.11be EHT40-BF_Nss1,(MCS0)_4TX	28.15	0.65313	34.91	3.09742
802.11be EHT80-BF_Nss1,(MCS0)_4TX	26.12	0.40926	32.88	1.94089

**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	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	6.76	20.12	20.22	19.07	19.25	25.72	29.24	32.48	Inf
5200MHz	Pass	6.76	22.71	22.68	21.58	21.48	28.17	29.24	34.93	Inf
5240MHz	Pass	6.76	22.51	22.69	22.08	21.86	28.32	29.24	35.08	Inf
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	6.76	20.67	20.58	19.39	19.31	26.05	29.24	32.81	Inf
5230MHz	Pass	6.76	22.61	22.62	21.73	21.41	28.15	29.24	34.91	Inf
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	6.76	20.70	20.64	19.56	19.32	26.12	29.24	32.88	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)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	10.08	13.53
802.11be EHT20_Nss1,(MCS0)_1TX	9.55	13.00
802.11be EHT40_Nss1,(MCS0)_1TX	6.94	10.39
802.11be EHT80_Nss1,(MCS0)_1TX	3.41	6.86

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	-	-	-	-	-	-	-
5180MHz	Pass	3.45	9.30	9.30	17.00	12.75	Inf
5200MHz	Pass	3.45	10.07	10.07	17.00	13.52	Inf
5240MHz	Pass	3.45	10.08	10.08	17.00	13.53	Inf
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	3.45	8.38	8.38	17.00	11.83	Inf
5200MHz	Pass	3.45	9.48	9.48	17.00	12.93	Inf
5240MHz	Pass	3.45	9.55	9.55	17.00	13.00	Inf
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	3.45	5.12	5.12	17.00	8.57	Inf
5230MHz	Pass	3.45	6.94	6.94	17.00	10.39	Inf
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	3.45	3.41	3.41	17.00	6.86	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.

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5240MHz

01/10/2024

CF (Hz)
5.24G

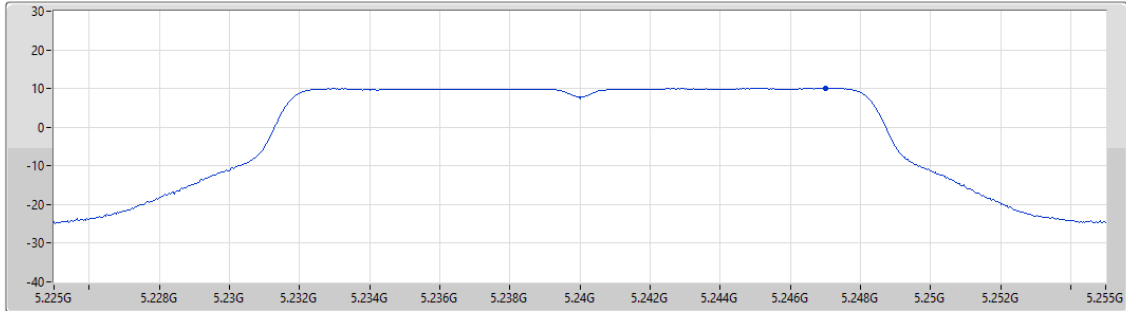
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
19.939

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.08	10.08	10.08

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5240MHz

01/10/2024

CF (Hz)
5.24G

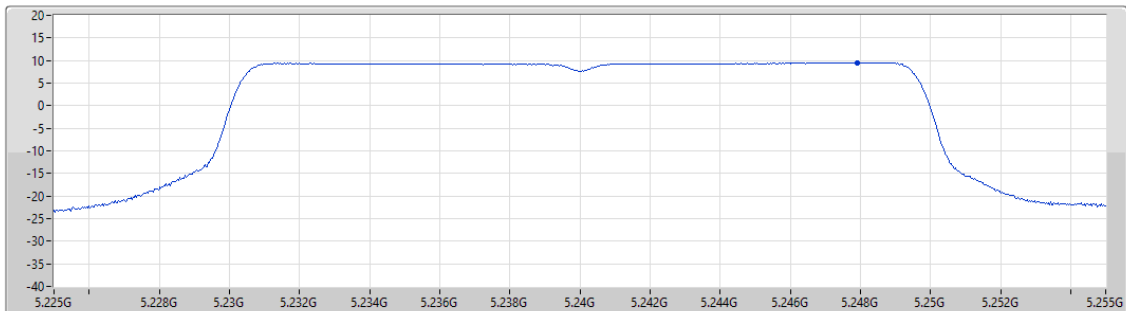
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
54.744

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.55	9.55	9.55

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

5230MHz

01/10/2024

CF (Hz)
5.23G

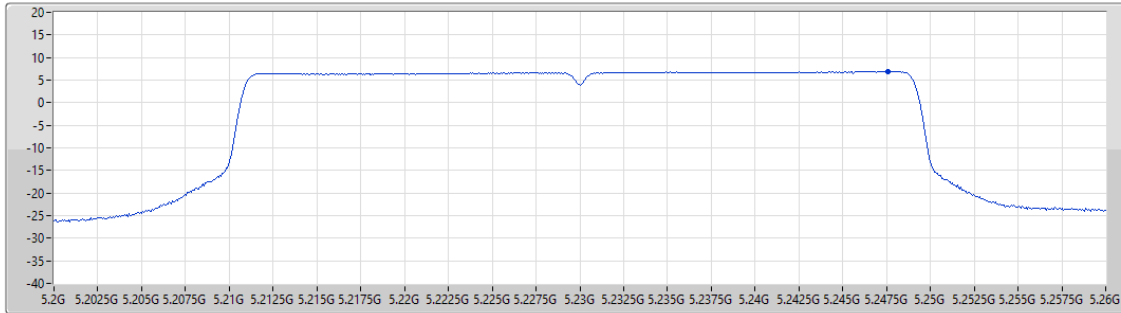
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
54.744

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.94	6.94	6.94

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_1TX

PSD

5210MHz

01/10/2024

CF (Hz)
5.21G

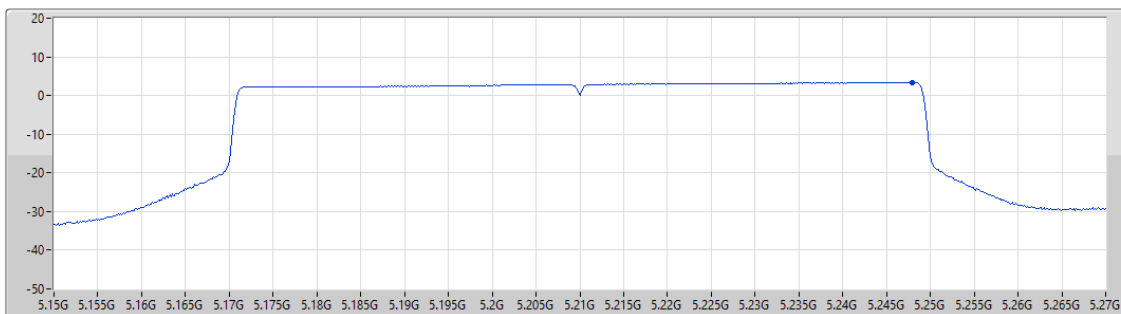
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
54.744

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.41	3.41	3.41



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	11.95	16.91
802.11be EHT20_Nss1,(MCS0)_2TX	11.54	16.50
802.11be EHT40_Nss1,(MCS0)_2TX	8.77	13.73
802.11be EHT80_Nss1,(MCS0)_2TX	4.71	9.67

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.96	6.96	6.82	9.87	17.00	14.83	Inf
5200MHz	Pass	4.96	8.72	8.33	11.51	17.00	16.47	Inf
5240MHz	Pass	4.96	9.09	8.89	11.95	17.00	16.91	Inf
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.96	6.14	5.82	8.95	17.00	13.91	Inf
5200MHz	Pass	4.96	8.36	7.76	11.05	17.00	16.01	Inf
5240MHz	Pass	4.96	8.69	8.39	11.54	17.00	16.50	Inf
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.96	3.75	3.28	6.38	17.00	11.34	Inf
5230MHz	Pass	4.96	5.87	5.64	8.77	17.00	13.73	Inf
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.96	1.90	1.63	4.71	17.00	9.67	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.

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

PSD

5240MHz

16/09/2024

CF (Hz)
5.24G

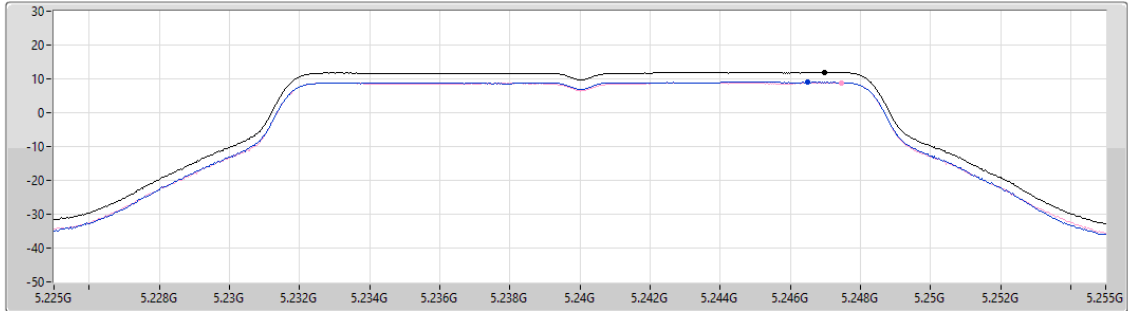
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
14.509

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.95	11.95	9.09	8.89

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

PSD

5240MHz

16/09/2024

CF (Hz)
5.24G

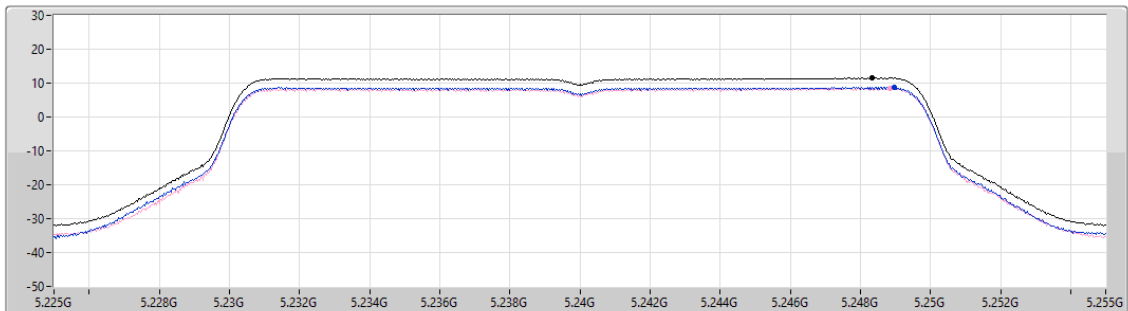
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
45.923

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.54	11.54	8.69	8.39

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

PSD

5230MHz

16/09/2024

CF (Hz)
5.23G

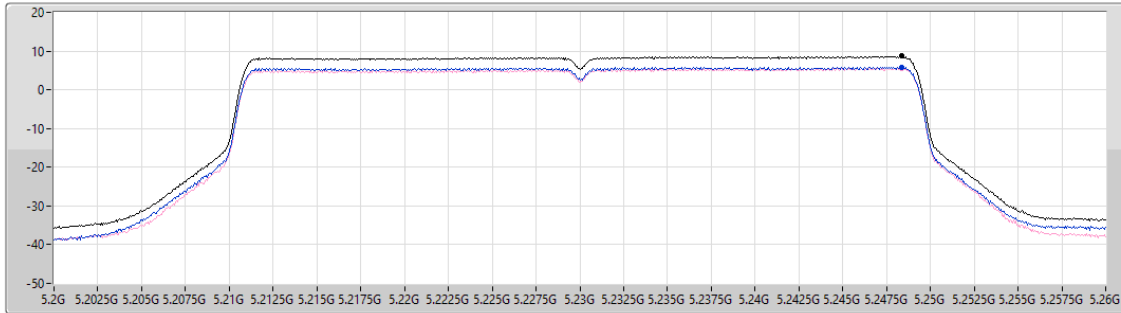
Span (Hz)
60M

RBW (Hz)
1M

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)
8.77	8.77	5.87	5.64

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

PSD

5210MHz

16/09/2024

CF (Hz)
5.21G

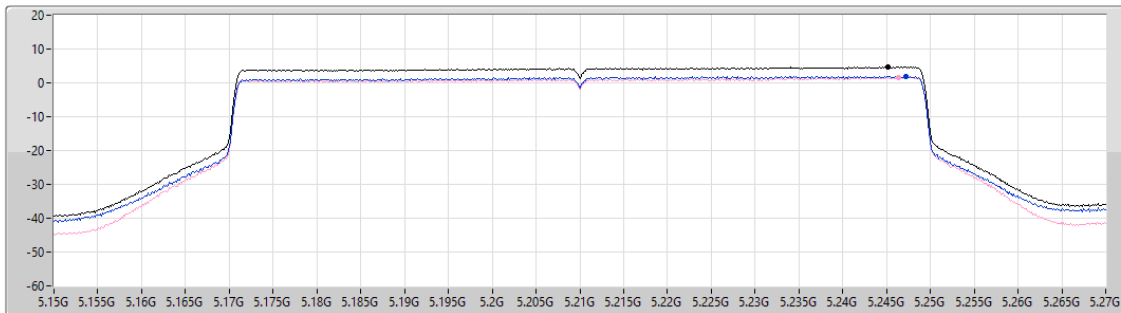
Span (Hz)
120M

RBW (Hz)
1M

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)
4.71	4.71	1.90	1.63



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	14.44	21.20
802.11be EHT20_Nss1,(MCS0)_4TX	14.03	20.79
802.11be EHT40_Nss1,(MCS0)_4TX	10.85	17.61
802.11be EHT80_Nss1,(MCS0)_4TX	5.94	12.70

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	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	6.76	6.15	6.26	5.00	5.12	11.60	16.24	18.36	Inf
5200MHz	Pass	6.76	8.50	8.69	7.41	7.31	14.01	16.24	20.77	Inf
5240MHz	Pass	6.76	8.63	9.02	8.25	8.02	14.44	16.24	21.20	Inf
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	6.76	5.75	5.95	4.70	4.75	11.32	16.24	18.08	Inf
5200MHz	Pass	6.76	8.31	8.42	7.28	7.11	13.81	16.24	20.57	Inf
5240MHz	Pass	6.76	8.15	8.57	7.88	7.57	14.03	16.24	20.79	Inf
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	6.76	3.49	3.34	2.05	2.00	8.72	16.24	15.48	Inf
5230MHz	Pass	6.76	5.30	5.52	4.40	4.08	10.85	16.24	17.61	Inf
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	6.76	0.58	0.84	-0.71	-1.00	5.94	16.24	12.70	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.

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

16/09/2024

CF (Hz)
5.24G

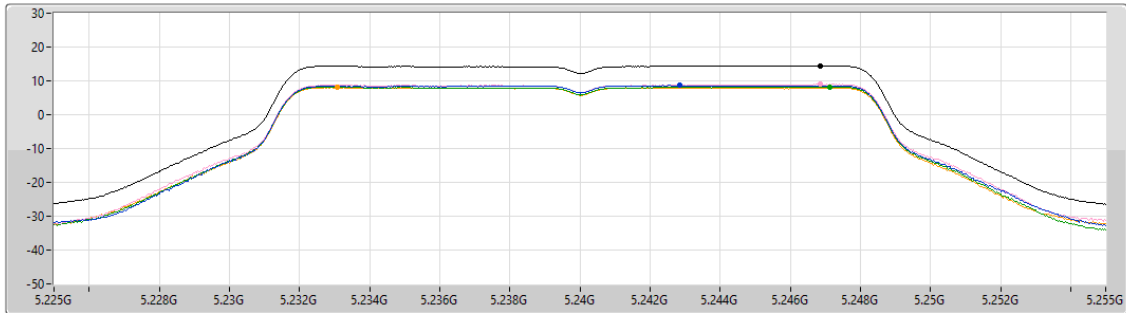
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
14.509

Detector Type
RMS



Sum ☒

Port 1 ☐

Port 2 ☐

Port 3 ☐

Port 4 ☐

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.44	14.44	8.63	9.02	8.25	8.02

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5240MHz

16/09/2024

CF (Hz)
5.24G

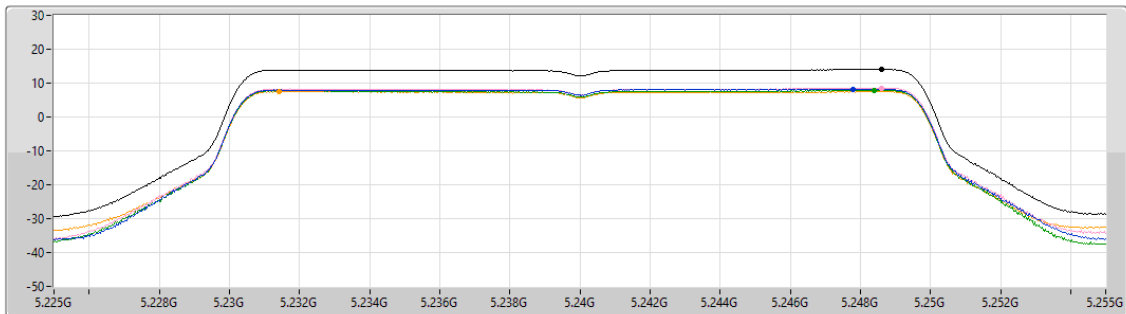
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
54.521

Detector Type
RMS



Sum ☒

Port 1 ☐

Port 2 ☐

Port 3 ☐

Port 4 ☐

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.03	14.03	8.15	8.57	7.88	7.57

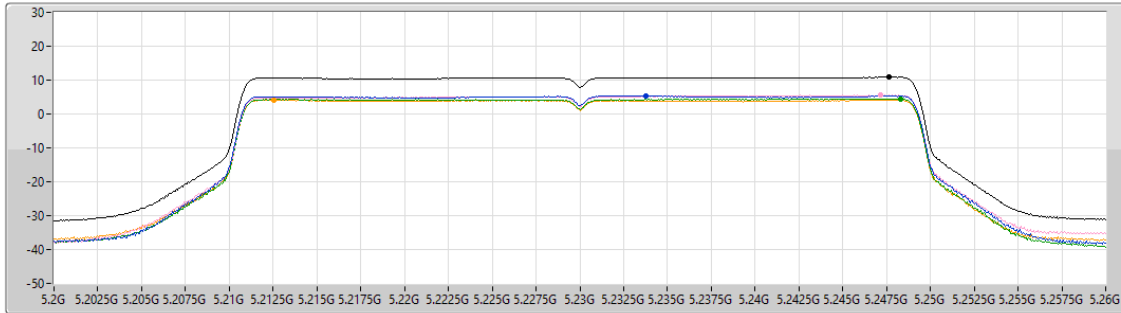
5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX

PSD

5230MHz

16/09/2024

CF (Hz)
5.23G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
46.237
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.85	10.85	5.30	5.52	4.40	4.08

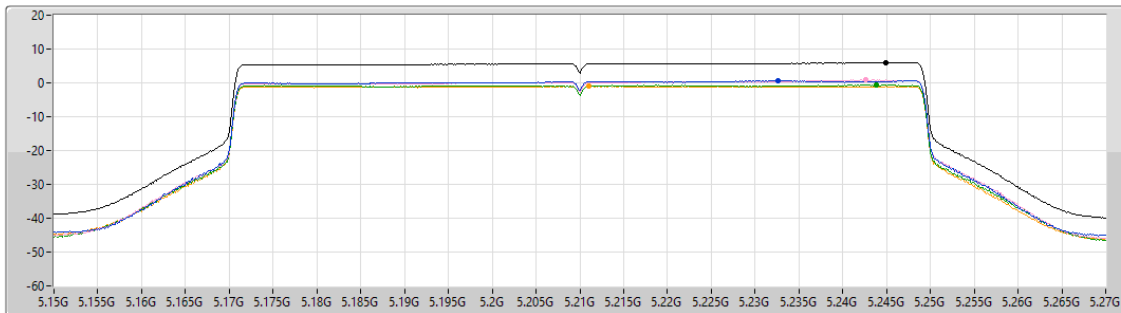
5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_4TX

PSD

5210MHz

16/09/2024

CF (Hz)
5.21G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
22.65
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.94	5.94	0.58	0.84	-0.71	-1.00



Summary

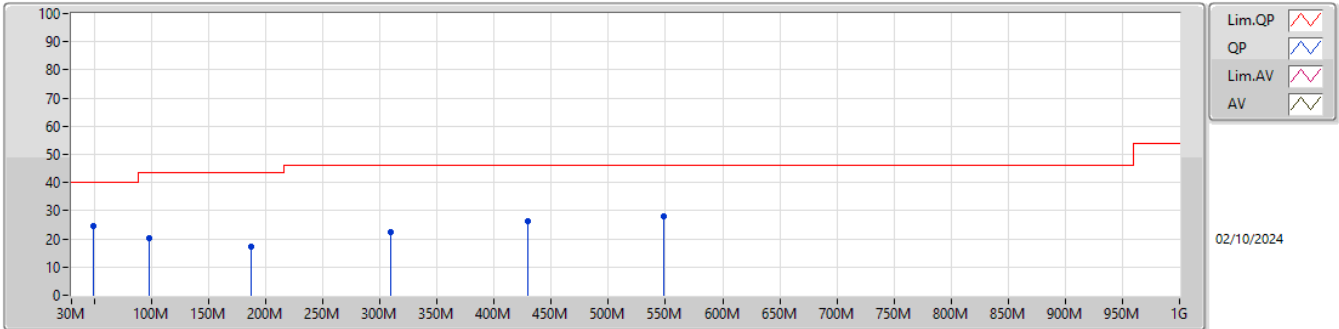
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	PK	49.4M	24.73	40.00	-15.27	3	Vertical	0	1.00

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	-	-	-	-	-	-	-	-	-	-
5200MHz_PoE	Pass	PK	49.4M	24.73	40.00	-15.27	3	Vertical	0	1.00
5200MHz_PoE	Pass	PK	97.9M	20.31	43.50	-23.19	3	Vertical	0	1.00
5200MHz_PoE	Pass	PK	187.14M	17.43	43.50	-26.07	3	Vertical	0	1.00
5200MHz_PoE	Pass	PK	309.36M	22.35	46.00	-23.65	3	Vertical	0	1.00
5200MHz_PoE	Pass	PK	429.64M	26.11	46.00	-19.89	3	Vertical	0	1.00
5200MHz_PoE	Pass	PK	547.98M	28.02	46.00	-17.98	3	Vertical	0	1.00
5200MHz_PoE	Pass	PK	33.88M	21.13	40.00	-18.87	3	Horizontal	360	1.00
5200MHz_PoE	Pass	PK	99.84M	17.93	43.50	-25.57	3	Horizontal	360	1.00
5200MHz_PoE	Pass	PK	196.84M	16.55	43.50	-26.95	3	Horizontal	360	1.00
5200MHz_PoE	Pass	PK	328.76M	21.46	46.00	-24.54	3	Horizontal	360	1.00
5200MHz_PoE	Pass	PK	468.44M	26.95	46.00	-19.05	3	Horizontal	360	1.00
5200MHz_PoE	Pass	PK	571.26M	28.98	46.00	-17.02	3	Horizontal	360	1.00

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

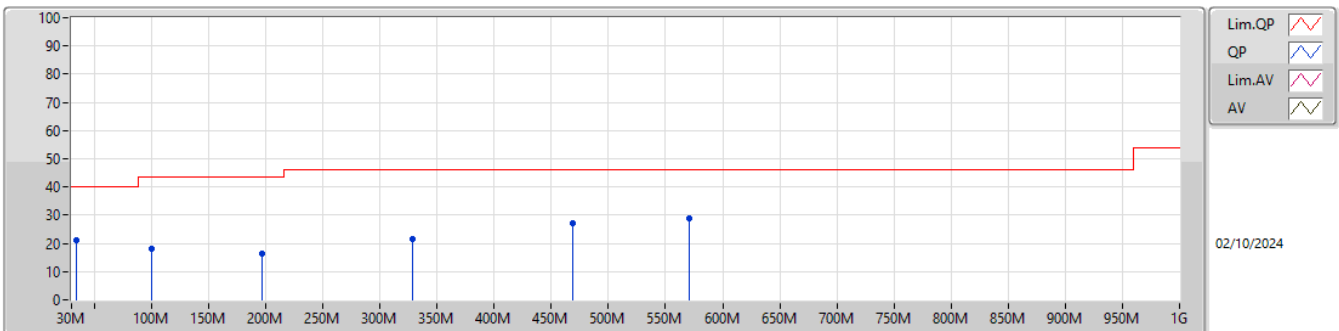
5200MHz_PoE



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	49.4M	24.73	40.00	-15.27	-13.48	3	Vertical	0	1.00	38.21	13.47	0.42	27.37
PK	97.9M	20.31	43.50	-23.19	-10.40	3	Vertical	0	1.00	30.71	15.94	0.96	27.30
PK	187.14M	17.43	43.50	-26.07	-10.76	3	Vertical	0	1.00	28.19	14.29	1.96	27.01
PK	309.36M	22.35	46.00	-23.65	-5.90	3	Vertical	0	1.00	28.25	18.58	2.29	26.77
PK	429.64M	26.11	46.00	-19.89	-2.96	3	Vertical	0	1.00	29.07	21.92	2.82	27.70
PK	547.98M	28.02	46.00	-17.98	-0.06	3	Vertical	0	1.00	28.08	24.70	3.41	28.17

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

5200MHz_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	33.88M	21.13	40.00	-18.87	-5.72	3	Horizontal	360	1.00	26.85	21.50	0.27	27.49
PK	99.84M	17.93	43.50	-25.57	-10.07	3	Horizontal	360	1.00	28.00	16.26	0.97	27.30
PK	196.84M	16.55	43.50	-26.95	-10.56	3	Horizontal	360	1.00	27.11	14.39	2.01	26.96
PK	328.76M	21.46	46.00	-24.54	-5.61	3	Horizontal	360	1.00	27.07	18.91	2.39	26.91
PK	468.44M	26.95	46.00	-19.05	-2.25	3	Horizontal	360	1.00	29.20	22.69	3.03	27.97
PK	571.26M	28.98	46.00	-17.02	-0.64	3	Horizontal	360	1.00	29.62	24.08	3.48	28.20

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	AV	5.1484G	49.98	54.00	-4.02	3	Vertical	349	1.50
802.11be EHT20_Nss1,(MCS0)_1TX	Pass	AV	5.1498G	52.02	54.00	-1.98	3	Vertical	39	2.97
802.11be EHT40_Nss1,(MCS0)_1TX	Pass	AV	5.15G	52.52	54.00	-1.48	3	Vertical	35	2.92
802.11be EHT80_Nss1,(MCS0)_1TX	Pass	AV	5.35G	53.59	54.00	-0.41	3	Vertical	36	3.00

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	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1484G	49.98	54.00	-4.02	3	Vertical	349	1.50
5180MHz	Pass	AV	5.1866G	100.96	Inf	-Inf	3	Vertical	349	1.50
5180MHz	Pass	PK	5.1472G	65.95	74.00	-8.05	3	Vertical	349	1.50
5180MHz	Pass	PK	5.1828G	111.85	Inf	-Inf	3	Vertical	349	1.50
5180MHz	Pass	PK	10.35452G	48.77	68.20	-19.43	3	Vertical	223	3.00
5180MHz	Pass	PK	10.368G	48.47	68.20	-19.73	3	Horizontal	10	1.23
5200MHz	Pass	AV	5.1484G	49.06	54.00	-4.94	3	Vertical	348	1.50
5200MHz	Pass	AV	5.1928G	101.33	Inf	-Inf	3	Vertical	348	1.50
5200MHz	Pass	PK	5.15G	62.54	74.00	-11.46	3	Vertical	348	1.50
5200MHz	Pass	PK	5.1936G	112.24	Inf	-Inf	3	Vertical	348	1.50
5200MHz	Pass	PK	10.40792G	48.69	68.20	-19.51	3	Vertical	67	1.23
5200MHz	Pass	PK	10.40464G	48.75	68.20	-19.45	3	Horizontal	202	1.64
5240MHz	Pass	AV	5.141G	46.89	54.00	-7.11	3	Vertical	37	1.01
5240MHz	Pass	AV	5.2328G	102.07	Inf	-Inf	3	Vertical	37	1.01
5240MHz	Pass	AV	5.3564G	46.72	54.00	-7.28	3	Vertical	37	1.01
5240MHz	Pass	PK	5.1134G	59.83	74.00	-14.17	3	Vertical	37	1.01
5240MHz	Pass	PK	5.2328G	112.34	Inf	-Inf	3	Vertical	37	1.01
5240MHz	Pass	PK	5.3612G	60.26	74.00	-13.74	3	Vertical	37	1.01
5240MHz	Pass	PK	10.4776G	48.13	68.20	-20.07	3	Vertical	150	2.34
5240MHz	Pass	PK	10.47464G	49.06	68.20	-19.14	3	Horizontal	325	1.19
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1498G	52.02	54.00	-1.98	3	Vertical	39	2.97
5180MHz	Pass	AV	5.1884G	100.74	Inf	-Inf	3	Vertical	39	2.97
5180MHz	Pass	PK	5.1486G	68.84	74.00	-5.16	3	Vertical	39	2.97
5180MHz	Pass	PK	5.1852G	115.11	Inf	-Inf	3	Vertical	39	2.97
5180MHz	Pass	PK	10.36912G	49.06	68.20	-19.14	3	Vertical	185	1.50
5180MHz	Pass	PK	10.342G	49.28	68.20	-18.92	3	Horizontal	330	1.50
5200MHz	Pass	AV	5.15G	50.89	54.00	-3.11	3	Vertical	40	2.88
5200MHz	Pass	AV	5.2088G	101.87	Inf	-Inf	3	Vertical	40	2.88
5200MHz	Pass	PK	5.1496G	65.93	74.00	-8.07	3	Vertical	40	2.88
5200MHz	Pass	PK	5.2076G	115.03	Inf	-Inf	3	Vertical	40	2.88
5200MHz	Pass	PK	10.39064G	49.74	68.20	-18.46	3	Vertical	131	1.50
5200MHz	Pass	PK	10.41428G	49.22	68.20	-18.98	3	Horizontal	152	1.50
5240MHz	Pass	AV	5.15G	46.71	54.00	-7.29	3	Vertical	39	2.85
5240MHz	Pass	AV	5.2484G	102.89	Inf	-Inf	3	Vertical	39	2.85
5240MHz	Pass	AV	5.3516G	46.77	54.00	-7.23	3	Vertical	39	2.85
5240MHz	Pass	PK	5.1422G	59.79	74.00	-14.21	3	Vertical	39	2.85
5240MHz	Pass	PK	5.2472G	115.84	Inf	-Inf	3	Vertical	39	2.85
5240MHz	Pass	PK	5.3624G	60.68	74.00	-13.32	3	Vertical	39	2.85
5240MHz	Pass	PK	10.47982G	48.89	68.20	-19.31	3	Vertical	27	1.99
5240MHz	Pass	PK	10.46836G	49.00	68.20	-19.20	3	Horizontal	40	1.57
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.15G	52.52	54.00	-1.48	3	Vertical	35	2.92
5190MHz	Pass	AV	5.208G	97.78	Inf	-Inf	3	Vertical	35	2.92
5190MHz	Pass	PK	5.146G	68.29	74.00	-5.71	3	Vertical	35	2.92
5190MHz	Pass	PK	5.2004G	111.06	Inf	-Inf	3	Vertical	35	2.92
5190MHz	Pass	PK	10.38654G	50.01	68.20	-18.19	3	Vertical	246	2.18
5190MHz	Pass	PK	10.38132G	49.03	68.20	-19.17	3	Horizontal	298	1.50
5230MHz	Pass	AV	5.15G	51.74	54.00	-2.26	3	Vertical	34	3.00
5230MHz	Pass	AV	5.248G	99.24	Inf	-Inf	3	Vertical	34	3.00
5230MHz	Pass	PK	5.1476G	69.98	74.00	-4.02	3	Vertical	34	3.00
5230MHz	Pass	PK	5.2376G	113.26	Inf	-Inf	3	Vertical	34	3.00
5230MHz	Pass	PK	10.45688G	49.39	68.20	-18.81	3	Vertical	293	1.50
5230MHz	Pass	PK	10.45136G	48.87	68.20	-19.33	3	Horizontal	53	2.60
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.146G	53.44	54.00	-0.56	3	Vertical	36	3.00
5210MHz	Pass	AV	5.246G	95.17	Inf	-Inf	3	Vertical	36	3.00
5210MHz	Pass	AV	5.35G	53.59	54.00	-0.41	3	Vertical	36	3.00
5210MHz	Pass	PK	5.145G	66.97	74.00	-7.03	3	Vertical	36	3.00
5210MHz	Pass	PK	5.24G	109.48	Inf	-Inf	3	Vertical	36	3.00



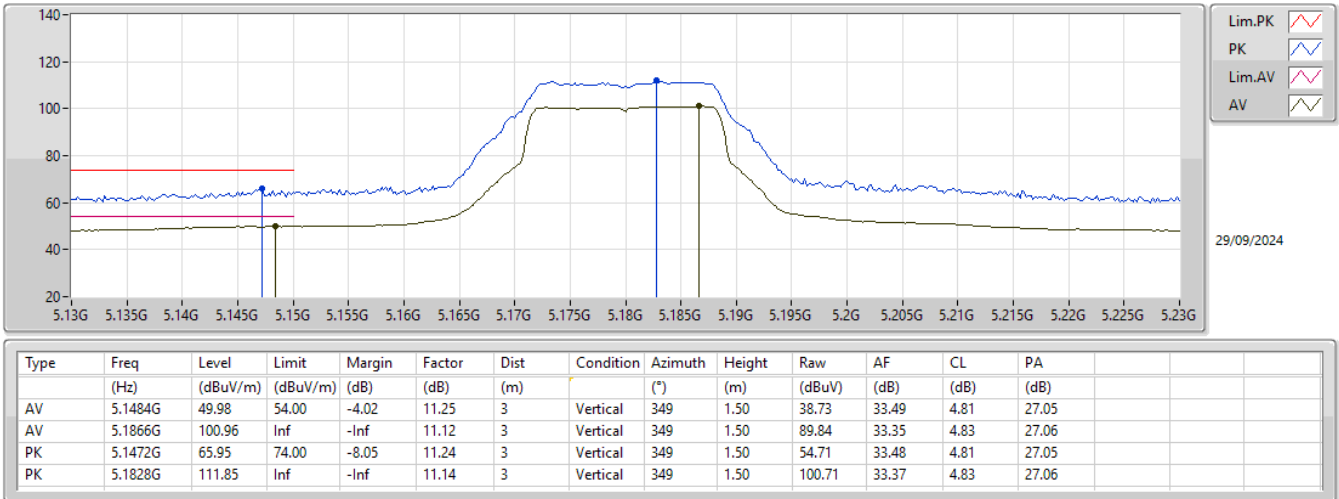
RSE TX above 1GHz Non-Beamforming Radio2 1T1S

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5210MHz	Pass	PK	5.35G	69.00	74.00	-5.00	3	Vertical	36	3.00
5210MHz	Pass	PK	10.42126G	49.61	68.20	-18.59	3	Vertical	283	1.50
5210MHz	Pass	PK	10.41322G	49.86	68.20	-18.34	3	Horizontal	186	1.50

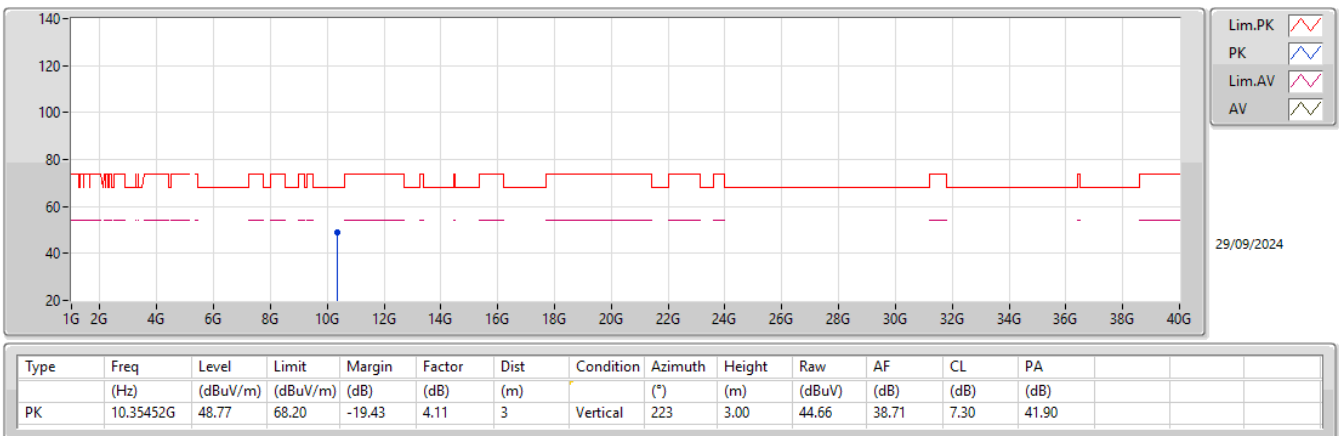
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX



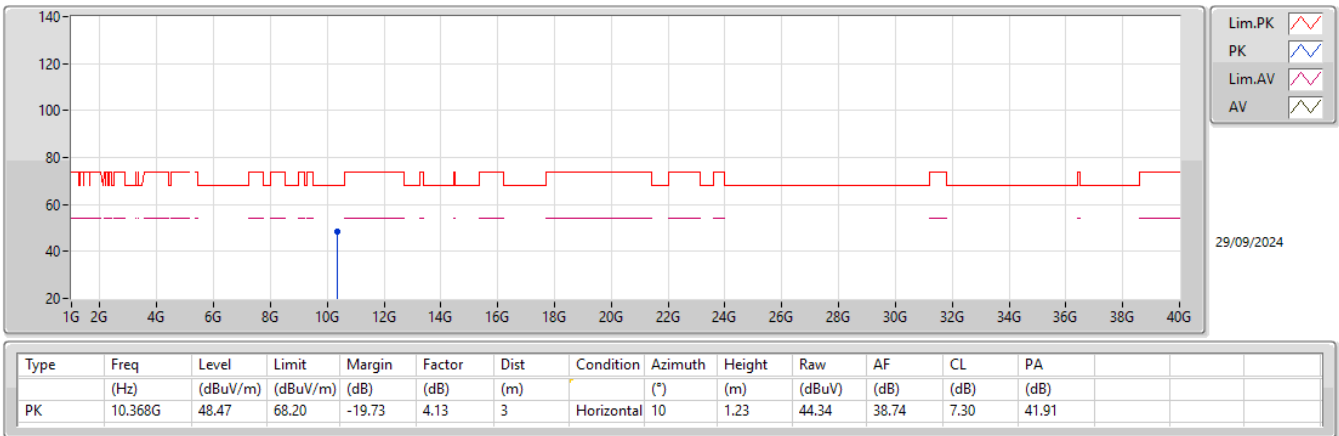
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX



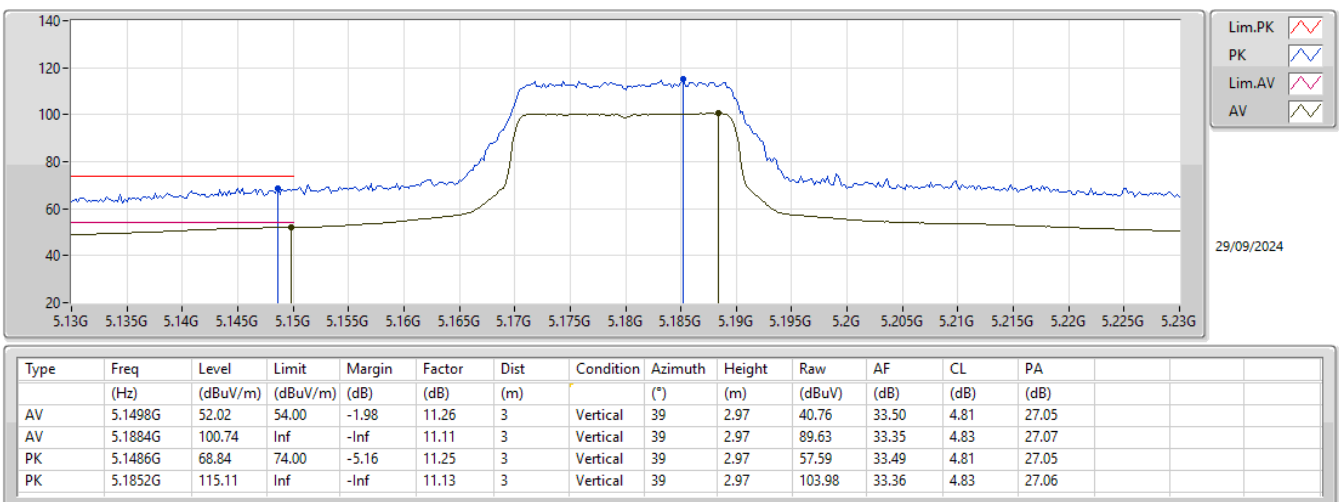
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX



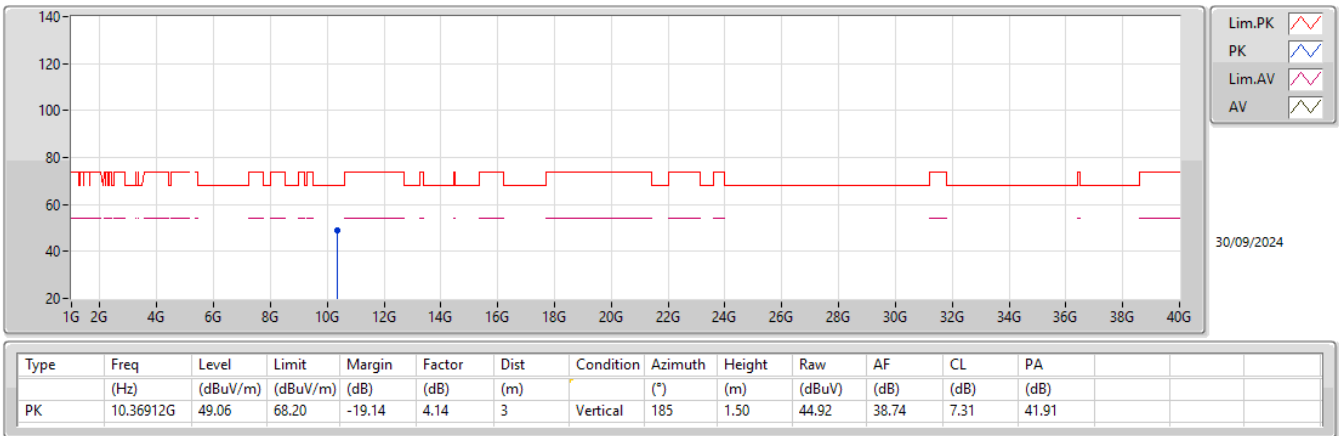
5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

5180MHz_TX



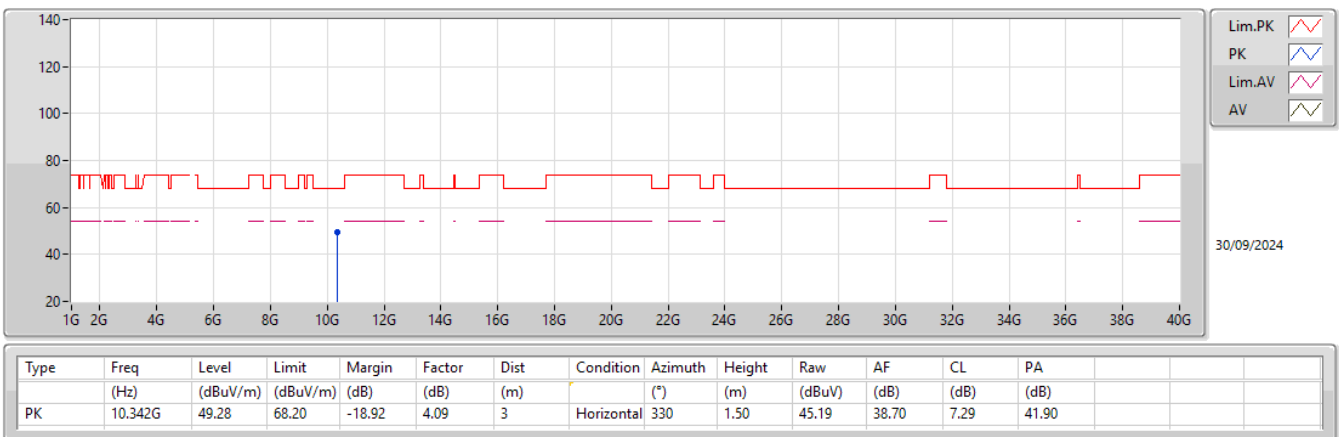
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5180MHz_TX



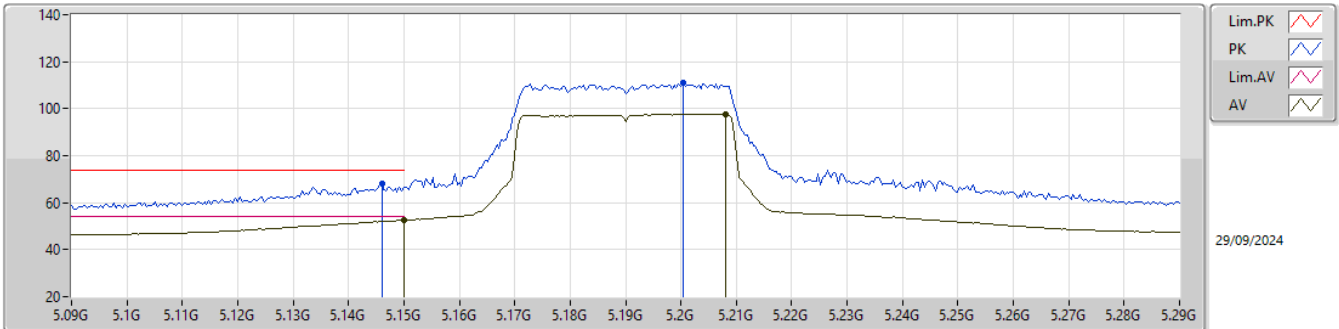
5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

5180MHz_TX



5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_1TX

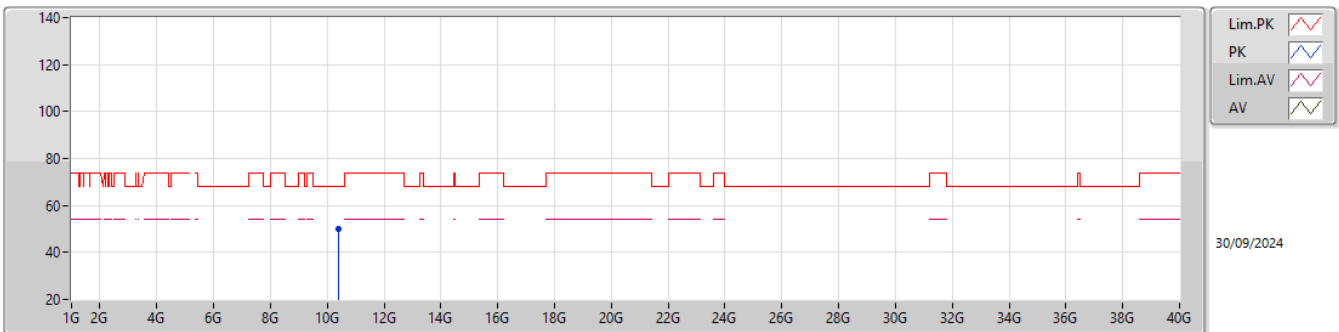
5190MHz_TX



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	5.15G	52.52	54.00	-1.48	11.26	3	Vertical	35	2.92	41.26	33.50	4.81	27.05
AV	5.208G	97.78	Inf	-Inf	11.05	3	Vertical	35	2.92	86.73	33.28	4.84	27.07
PK	5.146G	68.29	74.00	-5.71	11.24	3	Vertical	35	2.92	57.05	33.48	4.81	27.05
PK	5.2004G	111.06	Inf	-Inf	11.07	3	Vertical	35	2.92	99.99	33.30	4.84	27.07

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_1TX

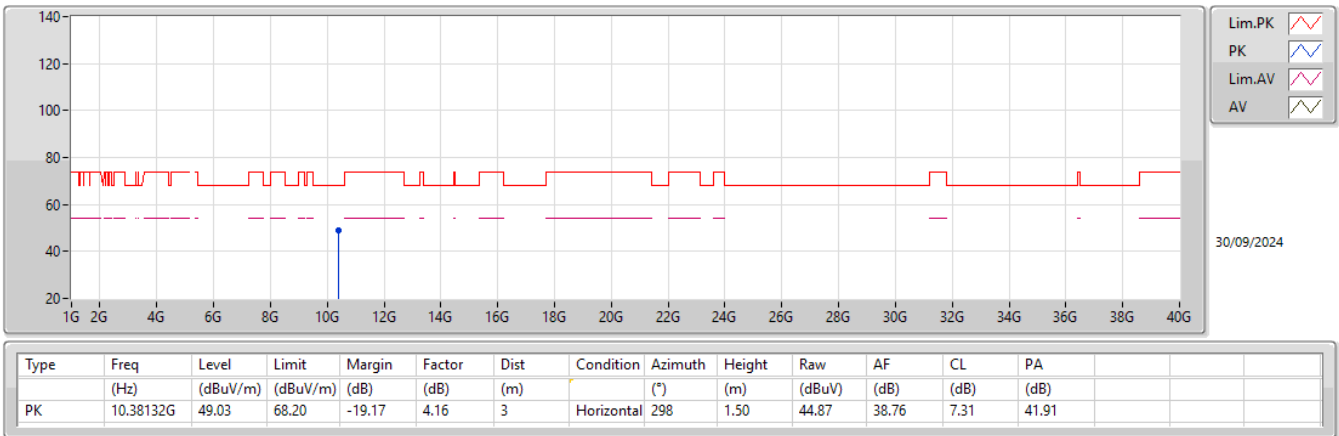
5190MHz_TX



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)
PK	10.38654G	50.01	68.20	-18.19	4.17	3	Vertical	246	2.18	45.84	38.77	7.31	41.91

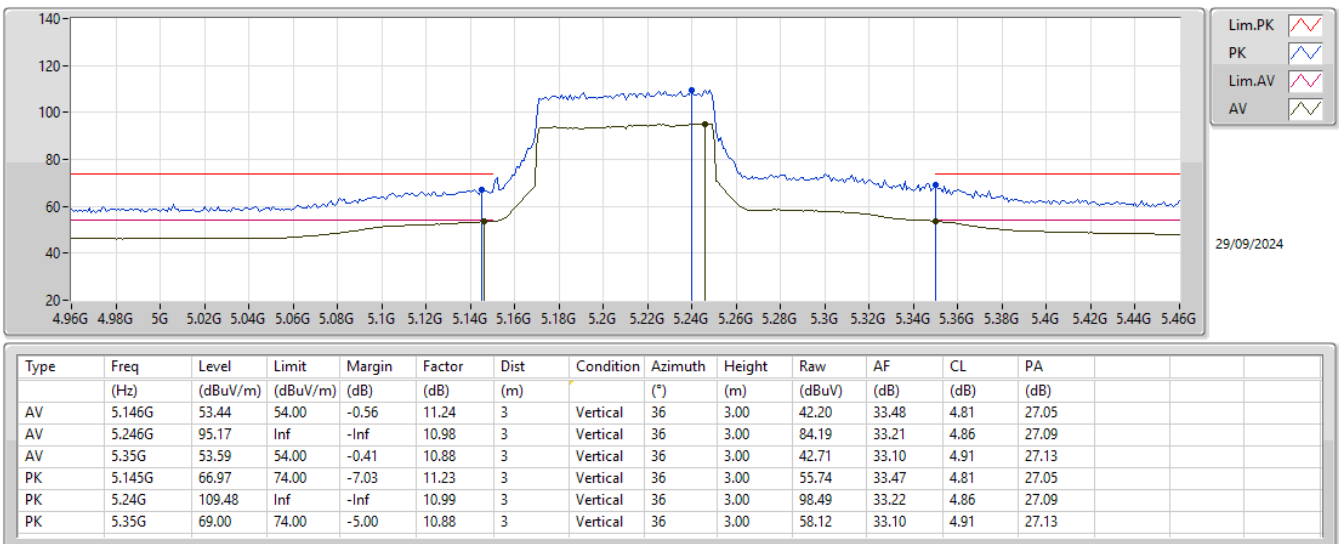
5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_1TX

5190MHz_TX



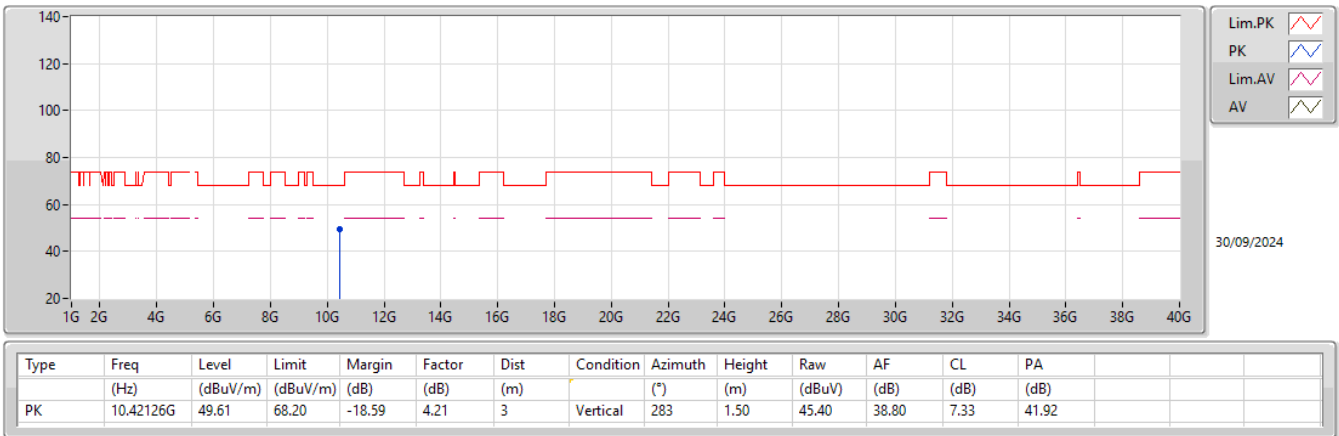
5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_1TX

5210MHz_TX



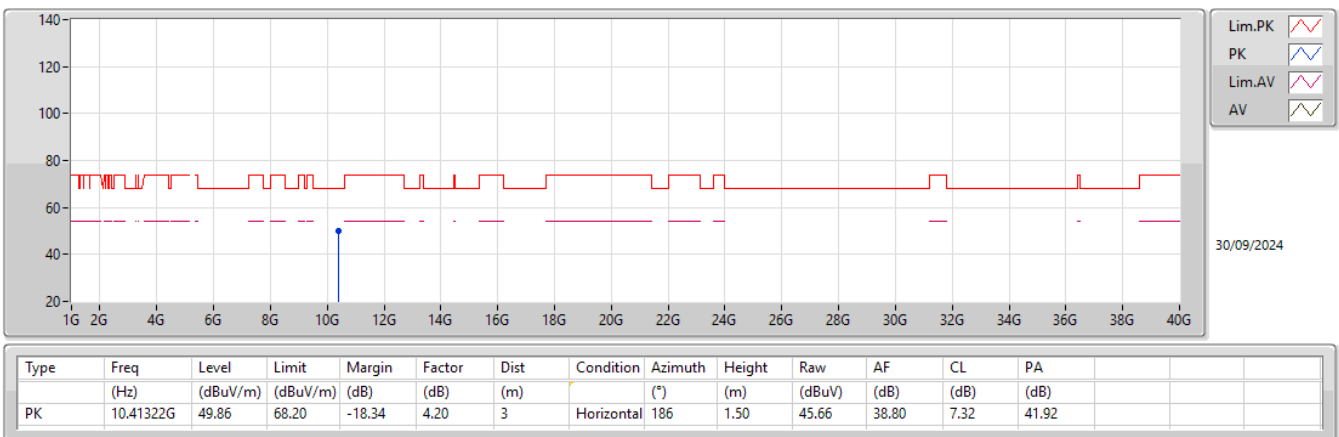
5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_1TX

5210MHz_TX



5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_1TX

5210MHz_TX





Summary

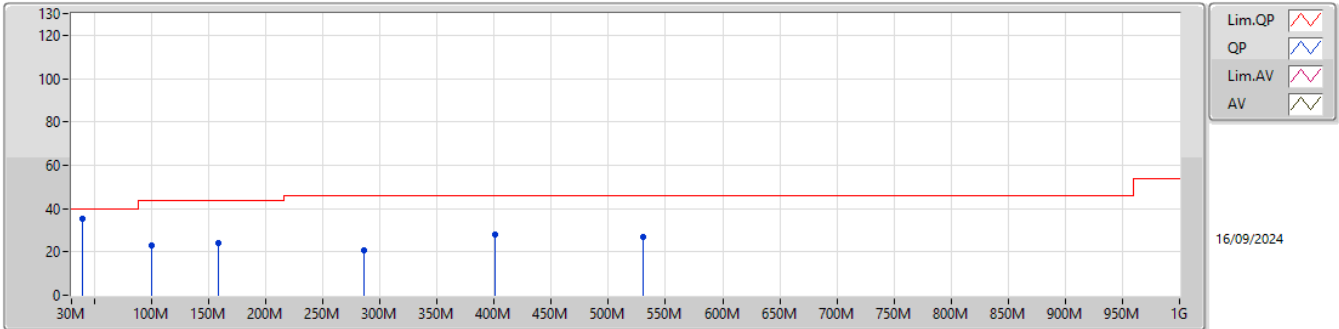
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	39.7M	35.40	40.00	-4.60	3	Vertical	0	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
5240MHz_PoE	Pass	PK	39.7M	35.40	40.00	-4.60	3	Vertical	0	1.00
5240MHz_PoE	Pass	PK	99.84M	22.83	43.50	-20.67	3	Vertical	0	1.00
5240MHz_PoE	Pass	PK	158.04M	24.18	43.50	-19.32	3	Vertical	0	1.00
5240MHz_PoE	Pass	PK	286.08M	20.82	46.00	-25.18	3	Vertical	0	1.00
5240MHz_PoE	Pass	PK	400.54M	28.29	46.00	-17.71	3	Vertical	0	1.00
5240MHz_PoE	Pass	PK	530.52M	27.16	46.00	-18.84	3	Vertical	0	1.00
5240MHz_PoE	Pass	PK	45.52M	26.28	40.00	-13.72	3	Horizontal	360	1.00
5240MHz_PoE	Pass	PK	99.84M	27.53	43.50	-15.97	3	Horizontal	360	1.00
5240MHz_PoE	Pass	PK	167.74M	21.96	43.50	-21.54	3	Horizontal	360	1.00
5240MHz_PoE	Pass	PK	305.48M	22.87	46.00	-23.13	3	Horizontal	360	1.00
5240MHz_PoE	Pass	PK	418M	31.42	46.00	-14.58	3	Horizontal	360	1.00
5240MHz_PoE	Pass	PK	505.3M	26.60	46.00	-19.40	3	Horizontal	360	1.00

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

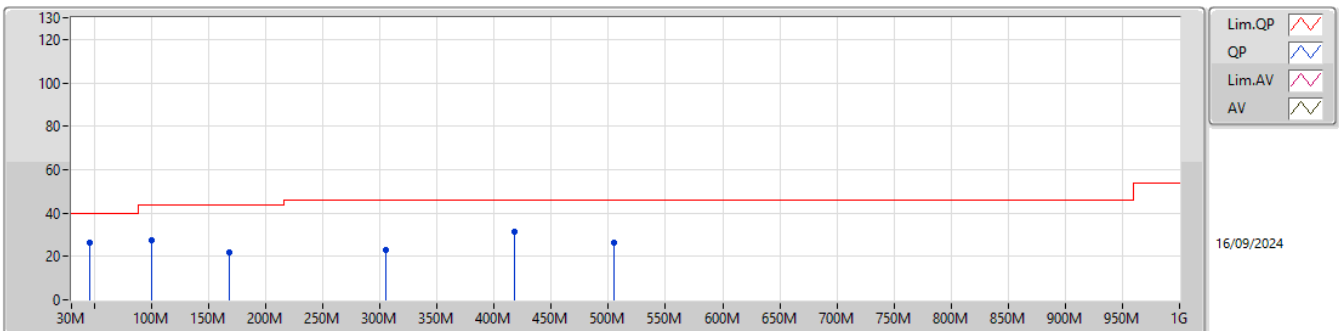
5240MHz_PoE



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)				
PK	39.7M	35.40	40.00	-4.60	-8.86	3	Vertical	0	1.00	44.26	18.31	0.32	27.49				
PK	99.84M	22.83	43.50	-20.67	-10.07	3	Vertical	0	1.00	32.90	16.26	0.97	27.30				
PK	158.04M	24.18	43.50	-19.32	-10.36	3	Vertical	0	1.00	34.54	15.05	1.70	27.11				
PK	286.08M	20.82	46.00	-25.18	-6.47	3	Vertical	0	1.00	27.29	18.02	2.22	26.71				
PK	400.54M	28.29	46.00	-17.71	-3.78	3	Vertical	0	1.00	32.07	21.01	2.70	27.49				
PK	530.52M	27.16	46.00	-18.84	-1.15	3	Vertical	0	1.00	28.31	23.67	3.35	28.17				

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

5240MHz_PoE



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)				
PK	45.52M	26.28	40.00	-13.72	-11.72	3	Horizontal	360	1.00	38.00	15.26	0.38	27.36				
PK	99.84M	27.53	43.50	-15.97	-10.07	3	Horizontal	360	1.00	37.60	16.26	0.97	27.30				
PK	167.74M	21.96	43.50	-21.54	-10.38	3	Horizontal	360	1.00	32.34	14.90	1.80	27.08				
PK	305.48M	22.87	46.00	-23.13	-5.96	3	Horizontal	360	1.00	28.83	18.51	2.27	26.74				
PK	418M	31.42	46.00	-14.58	-3.01	3	Horizontal	360	1.00	34.43	21.84	2.77	27.62				
PK	505.3M	26.60	46.00	-19.40	-1.91	3	Horizontal	360	1.00	28.51	23.01	3.26	28.18				



Summary

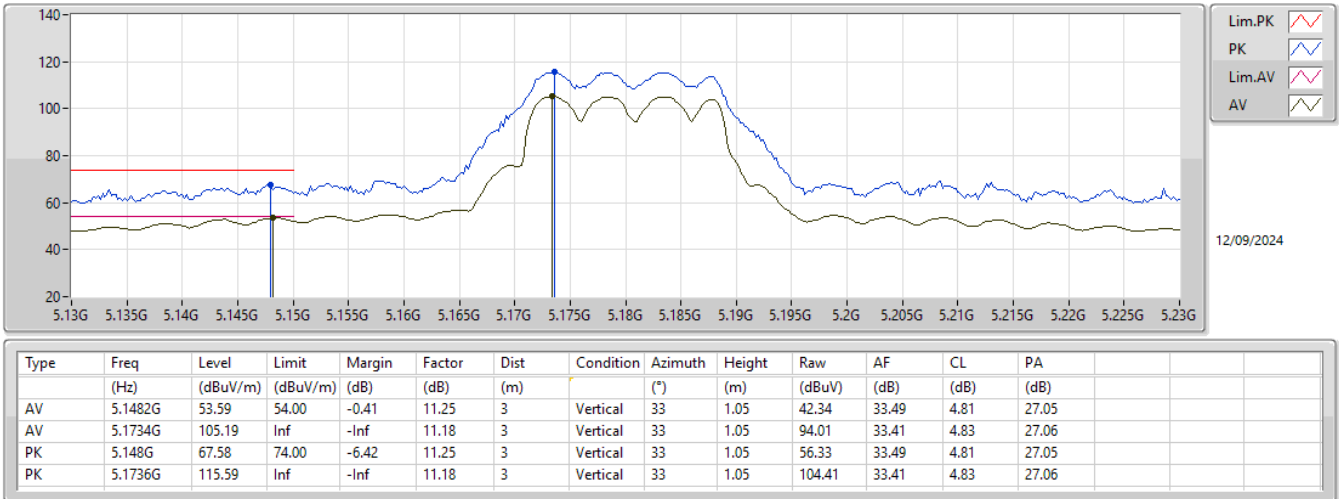
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.1482G	53.59	54.00	-0.41	3	Vertical	33	1.05
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	AV	5.15G	51.15	54.00	-2.85	3	Vertical	312	1.50
802.11be EHT80_Nss1,(MCS0)_2TX	Pass	AV	5.149G	51.81	54.00	-2.19	3	Vertical	318	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	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1482G	53.59	54.00	-0.41	3	Vertical	33	1.05
5180MHz	Pass	AV	5.1734G	105.19	Inf	-Inf	3	Vertical	33	1.05
5180MHz	Pass	PK	5.148G	67.58	74.00	-6.42	3	Vertical	33	1.05
5180MHz	Pass	PK	5.1736G	115.59	Inf	-Inf	3	Vertical	33	1.05
5180MHz	Pass	AV	5.1462G	49.63	54.00	-4.37	3	Horizontal	315	1.03
5180MHz	Pass	AV	5.1816G	98.84	Inf	-Inf	3	Horizontal	315	1.03
5180MHz	Pass	PK	5.146G	64.53	74.00	-9.47	3	Horizontal	315	1.03
5180MHz	Pass	PK	5.1868G	109.10	Inf	-Inf	3	Horizontal	315	1.03
5180MHz	Pass	PK	10.3512G	49.05	68.20	-19.15	3	Vertical	23	1.50
5180MHz	Pass	PK	10.37312G	49.64	68.20	-18.56	3	Horizontal	90	1.50
5200MHz	Pass	AV	5.1488G	49.90	54.00	-4.10	3	Vertical	31	1.00
5200MHz	Pass	AV	5.1936G	106.07	Inf	-Inf	3	Vertical	31	1.00
5200MHz	Pass	PK	5.1484G	65.18	74.00	-8.82	3	Vertical	31	1.00
5200MHz	Pass	PK	5.1936G	116.45	Inf	-Inf	3	Vertical	31	1.00
5200MHz	Pass	PK	10.40016G	49.58	68.20	-18.62	3	Vertical	65	1.50
5200MHz	Pass	PK	10.39608G	48.79	68.20	-19.41	3	Horizontal	1	1.78
5240MHz	Pass	AV	5.1476G	47.07	54.00	-6.93	3	Vertical	311	1.50
5240MHz	Pass	AV	5.243G	105.59	Inf	-Inf	3	Vertical	311	1.50
5240MHz	Pass	AV	5.3552G	46.91	54.00	-7.09	3	Vertical	311	1.50
5240MHz	Pass	PK	5.1464G	60.54	74.00	-13.46	3	Vertical	311	1.50
5240MHz	Pass	PK	5.2376G	116.23	Inf	-Inf	3	Vertical	311	1.50
5240MHz	Pass	PK	5.3894G	60.48	74.00	-13.52	3	Vertical	311	1.50
5240MHz	Pass	PK	10.47922G	48.85	68.20	-19.35	3	Vertical	216	1.44
5240MHz	Pass	PK	10.47068G	49.21	68.20	-18.99	3	Horizontal	325	1.47
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.15G	50.98	54.00	-3.02	3	Horizontal	34	1.04
5180MHz	Pass	AV	5.1728G	104.17	Inf	-Inf	3	Horizontal	34	1.04
5180MHz	Pass	PK	5.15G	66.35	74.00	-7.65	3	Horizontal	34	1.04
5180MHz	Pass	PK	5.1736G	117.81	Inf	-Inf	3	Horizontal	34	1.04
5180MHz	Pass	PK	10.36055G	49.42	68.20	-18.78	3	Vertical	107	1.24
5180MHz	Pass	PK	10.36836G	50.11	68.20	-18.09	3	Horizontal	110	2.47
5200MHz	Pass	AV	5.15G	51.15	54.00	-2.85	3	Vertical	312	1.50
5200MHz	Pass	AV	5.1912G	105.18	Inf	-Inf	3	Vertical	312	1.50
5200MHz	Pass	PK	5.148G	66.94	74.00	-7.06	3	Vertical	312	1.50
5200MHz	Pass	PK	5.1916G	117.67	Inf	-Inf	3	Vertical	312	1.50
5200MHz	Pass	PK	10.39961G	49.24	68.20	-18.96	3	Vertical	231	2.93
5200MHz	Pass	PK	10.40664G	49.24	68.20	-18.96	3	Horizontal	192	1.15
5240MHz	Pass	AV	5.1482G	46.70	54.00	-7.30	3	Vertical	318	1.50
5240MHz	Pass	AV	5.249G	104.96	Inf	-Inf	3	Vertical	318	1.50
5240MHz	Pass	AV	5.3504G	46.72	54.00	-7.28	3	Vertical	318	1.50
5240MHz	Pass	PK	5.09G	60.50	74.00	-13.50	3	Vertical	318	1.50
5240MHz	Pass	PK	5.2472G	117.53	Inf	-Inf	3	Vertical	318	1.50
5240MHz	Pass	PK	5.354G	61.25	74.00	-12.75	3	Vertical	318	1.50
5240MHz	Pass	PK	10.48021G	49.21	68.20	-18.99	3	Vertical	229	1.80
5240MHz	Pass	PK	10.48428G	49.82	68.20	-18.38	3	Horizontal	63	3.00
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.149G	51.81	54.00	-2.19	3	Vertical	318	1.50
5210MHz	Pass	AV	5.239G	97.38	Inf	-Inf	3	Vertical	318	1.50
5210MHz	Pass	AV	5.357G	50.49	54.00	-3.51	3	Vertical	318	1.50
5210MHz	Pass	PK	5.142G	66.79	74.00	-7.21	3	Vertical	318	1.50
5210MHz	Pass	PK	5.241G	110.75	Inf	-Inf	3	Vertical	318	1.50
5210MHz	Pass	PK	5.357G	64.84	74.00	-9.16	3	Vertical	318	1.50
5210MHz	Pass	PK	10.41903G	49.74	68.20	-18.46	3	Vertical	293	2.42
5210MHz	Pass	PK	10.41904G	49.30	68.20	-18.90	3	Horizontal	30	1.58

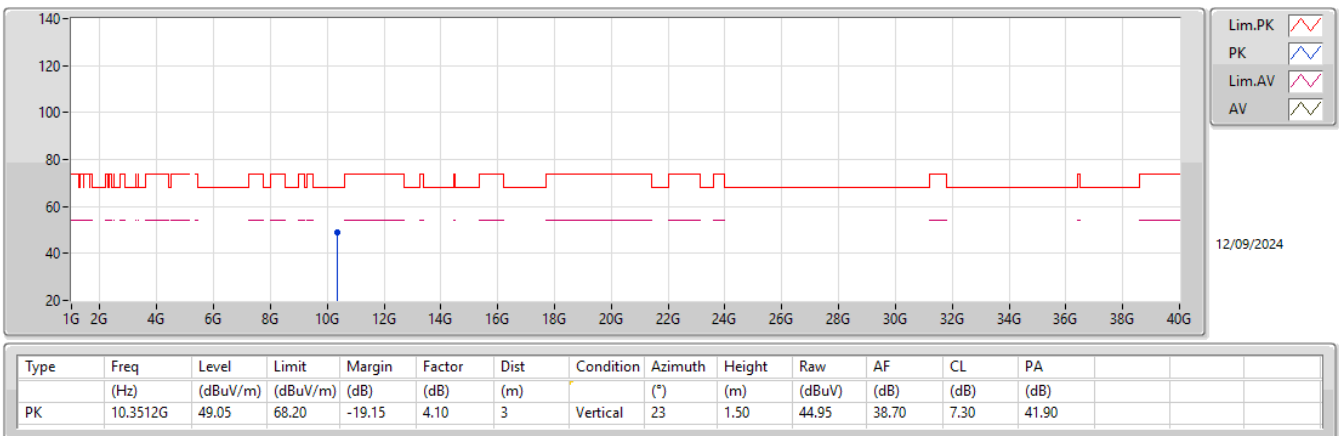
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5180MHz_TX



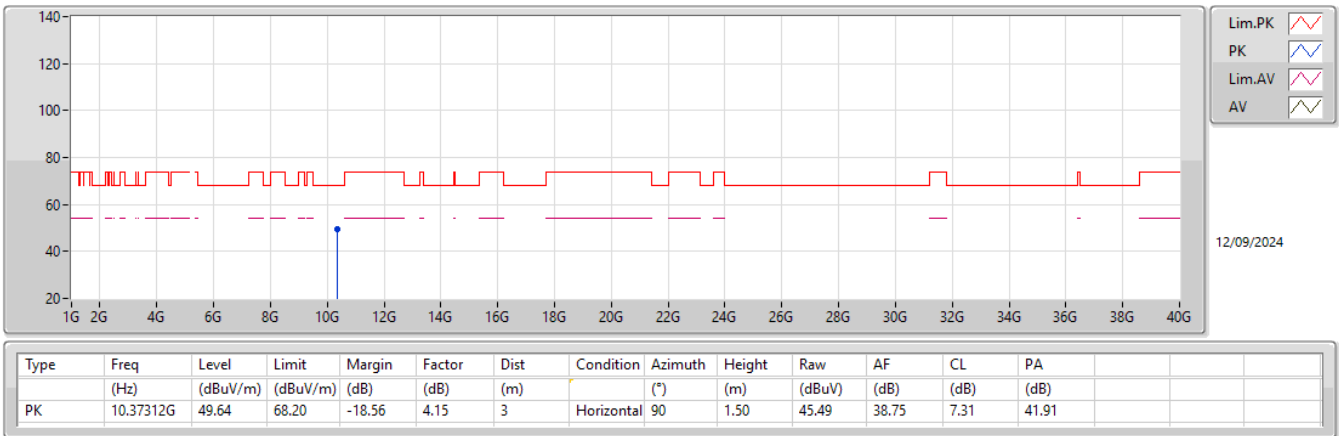
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5180MHz_TX



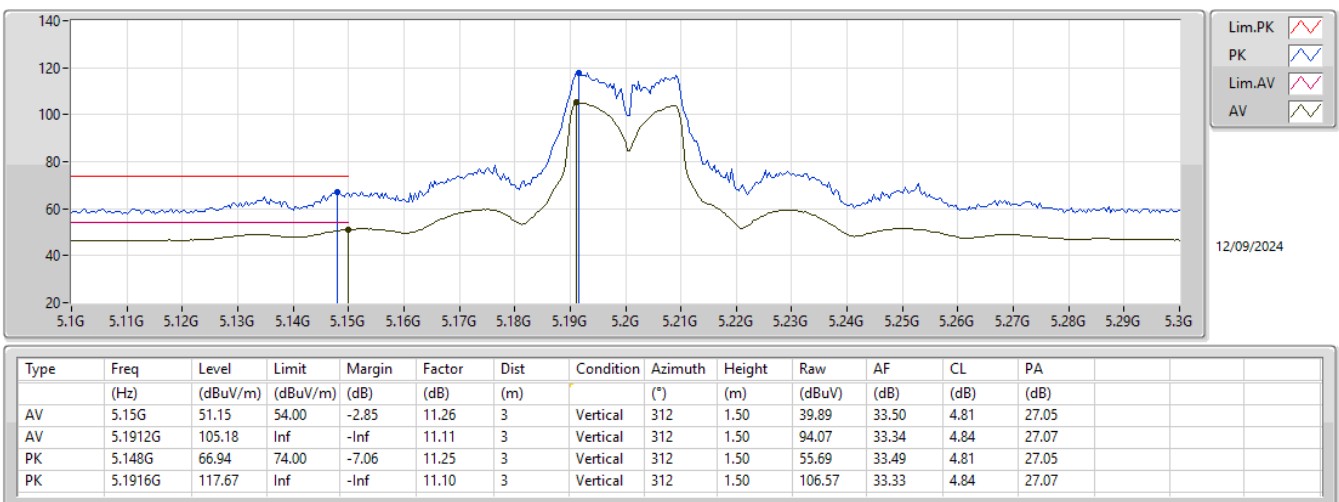
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5180MHz_TX



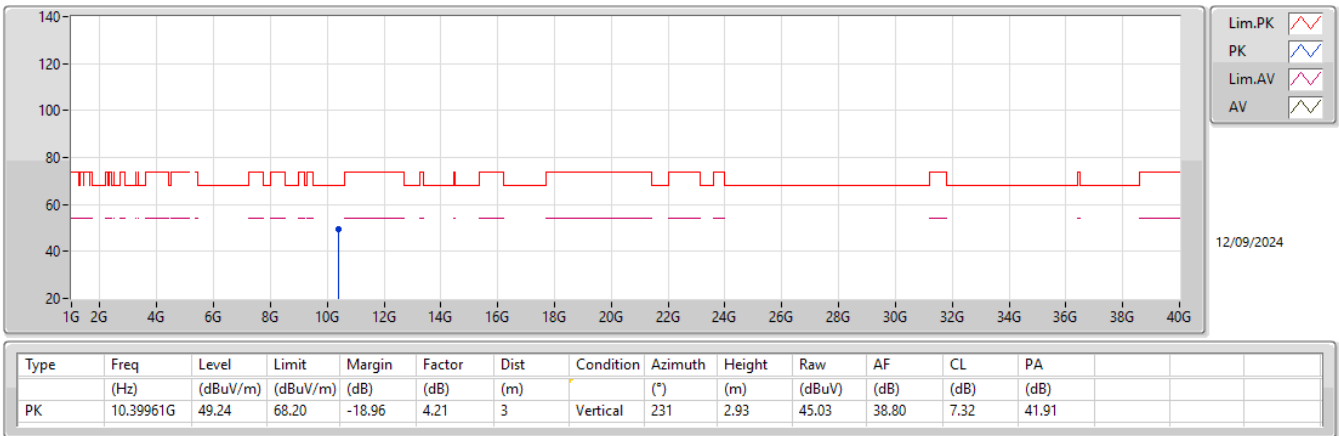
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5200MHz_TX



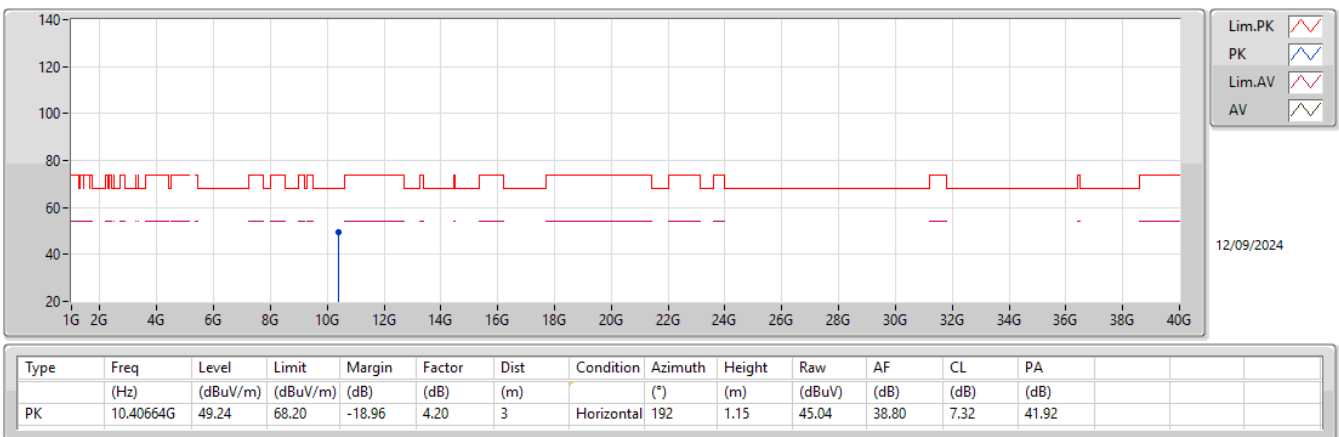
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5200MHz_TX



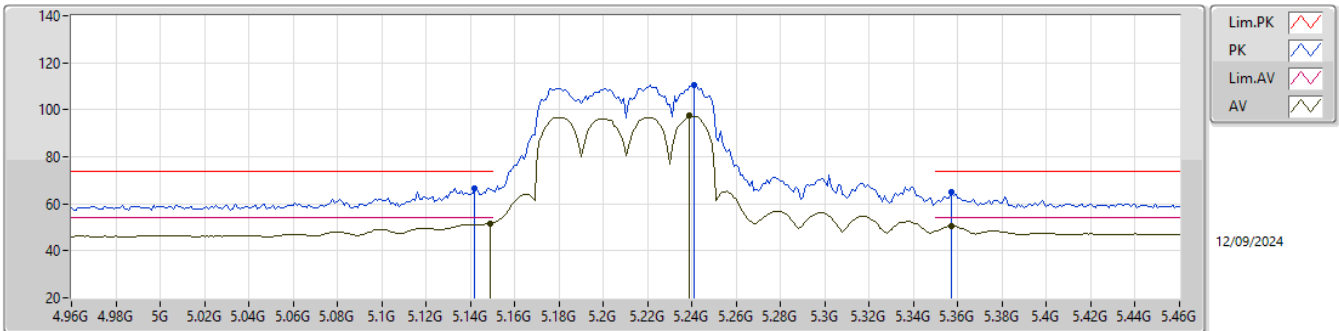
5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5200MHz_TX



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

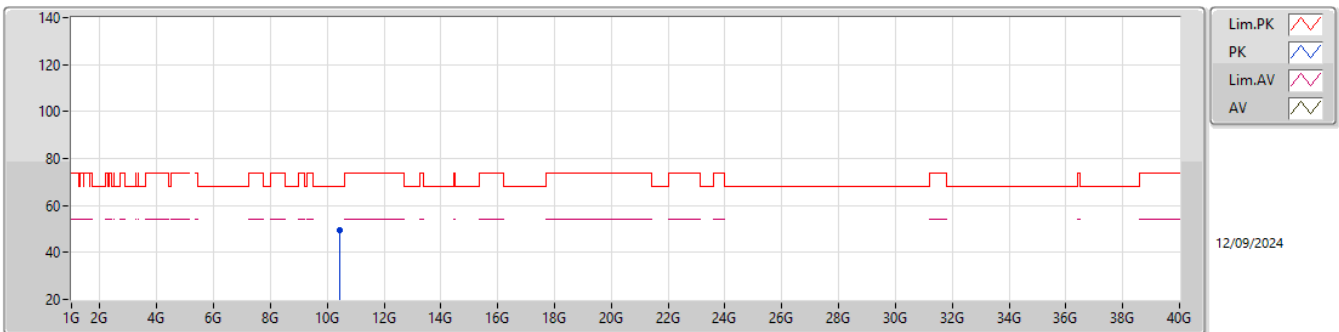
5210MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)				
AV	5.149G	51.81	54.00	-2.19	11.25	3	Vertical	318	1.50	40.56	33.49	4.81	27.05				
AV	5.239G	97.38	Inf	-Inf	10.99	3	Vertical	318	1.50	86.39	33.22	4.86	27.09				
AV	5.357G	50.49	54.00	-3.51	10.87	3	Vertical	318	1.50	39.62	33.09	4.91	27.13				
PK	5.142G	66.79	74.00	-7.21	11.21	3	Vertical	318	1.50	55.58	33.45	4.81	27.05				
PK	5.241G	110.75	Inf	-Inf	10.99	3	Vertical	318	1.50	99.76	33.22	4.86	27.09				
PK	5.357G	64.84	74.00	-9.16	10.87	3	Vertical	318	1.50	53.97	33.09	4.91	27.13				

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

5210MHz_TX

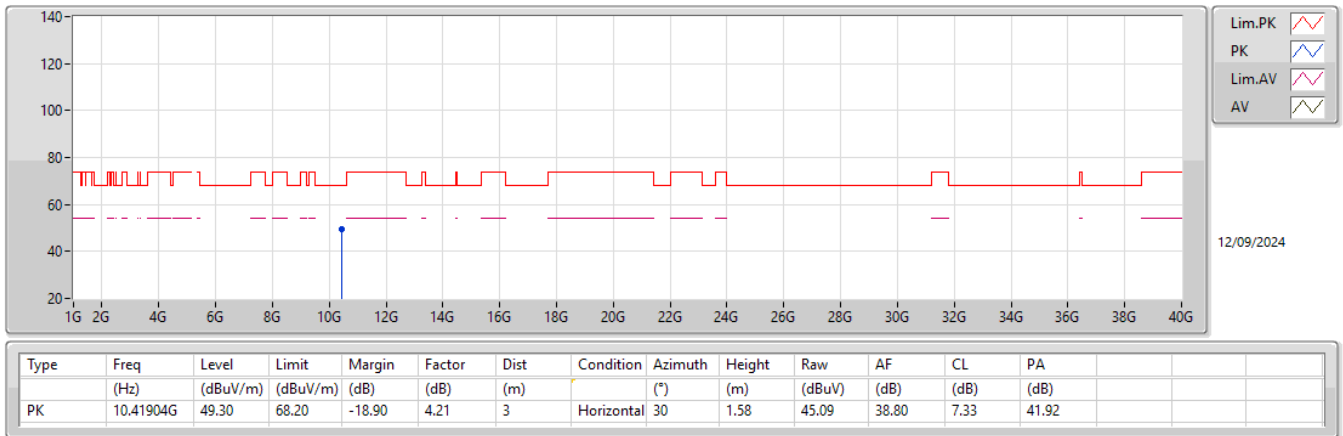


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)				
PK	10.41903G	49.74	68.20	-18.46	4.21	3	Vertical	293	2.42	45.53	38.80	7.33	41.92				



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

5210MHz_TX





Summary

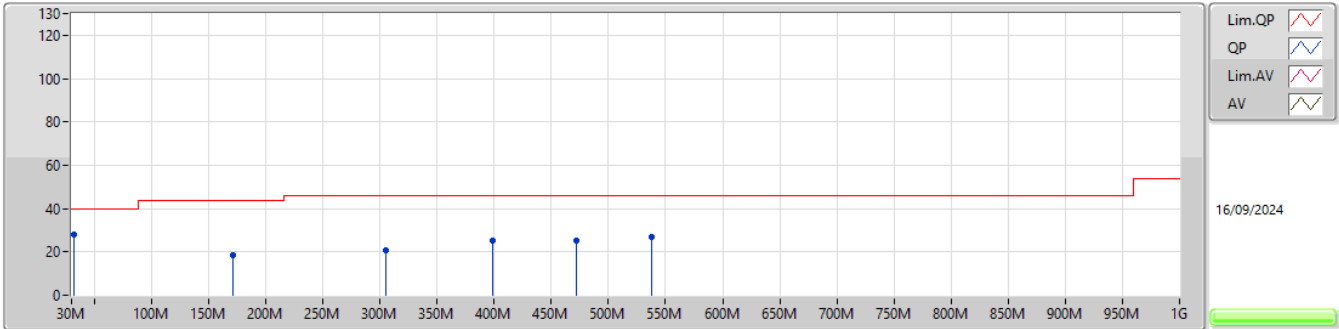
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	PK	31.94M	27.94	40.00	-12.06	3	Vertical	0	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5240MHz_PoE	Pass	PK	31.94M	27.94	40.00	-12.06	3	Vertical	0	1.00
5240MHz_PoE	Pass	PK	171.62M	18.57	43.50	-24.93	3	Vertical	0	1.00
5240MHz_PoE	Pass	PK	305.48M	20.88	46.00	-25.12	3	Vertical	0	1.00
5240MHz_PoE	Pass	PK	398.6M	25.41	46.00	-20.59	3	Vertical	0	1.00
5240MHz_PoE	Pass	PK	472.32M	24.95	46.00	-21.05	3	Vertical	0	1.00
5240MHz_PoE	Pass	PK	538.28M	27.15	46.00	-18.85	3	Vertical	0	1.00
5240MHz_PoE	Pass	PK	47.46M	18.81	40.00	-21.19	3	Horizontal	360	1.00
5240MHz_PoE	Pass	PK	123.12M	17.83	43.50	-25.67	3	Horizontal	360	1.00
5240MHz_PoE	Pass	PK	264.74M	20.15	46.00	-25.85	3	Horizontal	360	1.00
5240MHz_PoE	Pass	PK	390.84M	25.90	46.00	-20.10	3	Horizontal	360	1.00
5240MHz_PoE	Pass	PK	425.76M	28.44	46.00	-17.56	3	Horizontal	360	1.00
5240MHz_PoE	Pass	PK	565.44M	28.53	46.00	-17.47	3	Horizontal	360	1.00

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

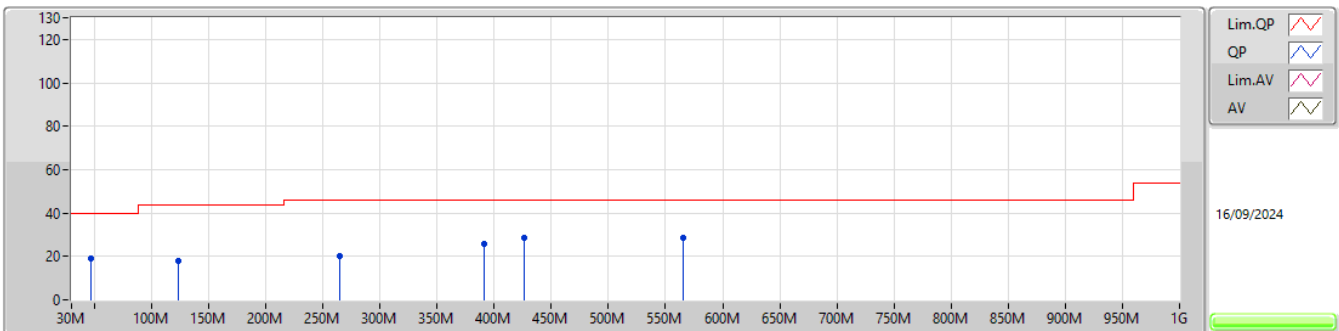
5240MHz_PoE



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	27.94	40.00	-12.06	-4.64	3	Vertical	0	1.00	32.58	22.60	0.26	27.50
PK	171.62M	18.57	43.50	-24.93	-10.44	3	Vertical	0	1.00	29.01	14.79	1.84	27.07
PK	305.48M	20.88	46.00	-25.12	-5.96	3	Vertical	0	1.00	26.84	18.51	2.27	26.74
PK	398.6M	25.41	46.00	-20.59	-3.89	3	Vertical	0	1.00	29.30	20.90	2.69	27.48
PK	472.32M	24.95	46.00	-21.05	-2.20	3	Vertical	0	1.00	27.15	22.75	3.05	28.00
PK	538.28M	27.15	46.00	-18.85	-0.29	3	Vertical	0	1.00	27.44	24.50	3.38	28.17

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

5240MHz_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	47.46M	18.81	40.00	-21.19	-12.71	3	Horizontal	360	1.00	31.52	14.25	0.40	27.36
PK	123.12M	17.83	43.50	-25.67	-8.50	3	Horizontal	360	1.00	26.33	17.41	1.31	27.22
PK	264.74M	20.15	46.00	-25.85	-6.30	3	Horizontal	360	1.00	26.45	18.25	2.18	26.73
PK	390.84M	25.90	46.00	-20.10	-4.23	3	Horizontal	360	1.00	30.13	20.52	2.66	27.41
PK	425.76M	28.44	46.00	-17.56	-3.02	3	Horizontal	360	1.00	31.46	21.86	2.80	27.68
PK	565.44M	28.53	46.00	-17.47	-0.57	3	Horizontal	360	1.00	29.10	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)
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	AV	5.1496G	52.16	54.00	-1.84	3	Vertical	57	1.97
802.11be EHT20_Nss1,(MCS0)_4TX	Pass	AV	5.145G	52.98	54.00	-1.02	3	Vertical	63	1.00
802.11be EHT40_Nss1,(MCS0)_4TX	Pass	PK	5.14G	73.43	74.00	-0.57	3	Vertical	62	1.00
802.11be EHT80_Nss1,(MCS0)_4TX	Pass	AV	5.134G	53.55	54.00	-0.45	3	Vertical	63	1.00

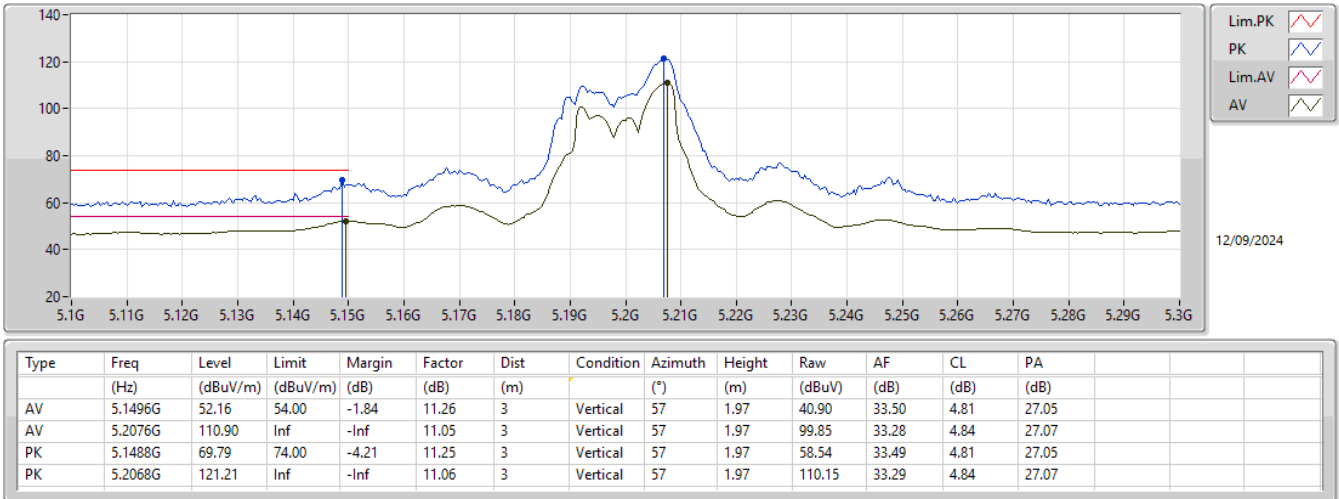
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1492G	52.12	54.00	-1.88	3	Vertical	58	1.83
5180MHz	Pass	AV	5.1872G	109.31	Inf	-Inf	3	Vertical	58	1.83
5180MHz	Pass	PK	5.1492G	67.39	74.00	-6.61	3	Vertical	58	1.83
5180MHz	Pass	PK	5.187G	119.76	Inf	-Inf	3	Vertical	58	1.83
5180MHz	Pass	AV	5.1458G	50.82	54.00	-3.18	3	Horizontal	324	1.00
5180MHz	Pass	AV	5.1846G	107.17	Inf	-Inf	3	Horizontal	324	1.00
5180MHz	Pass	PK	5.1458G	65.53	74.00	-8.47	3	Horizontal	324	1.00
5180MHz	Pass	PK	5.1848G	117.58	Inf	-Inf	3	Horizontal	324	1.00
5180MHz	Pass	PK	10.36918G	50.36	68.20	-17.84	3	Vertical	256	1.85
5180MHz	Pass	PK	10.3726G	49.96	68.20	-18.24	3	Horizontal	195	1.50
5200MHz	Pass	AV	5.1496G	52.16	54.00	-1.84	3	Vertical	57	1.97
5200MHz	Pass	AV	5.2076G	110.90	Inf	-Inf	3	Vertical	57	1.97
5200MHz	Pass	PK	5.1488G	69.79	74.00	-4.21	3	Vertical	57	1.97
5200MHz	Pass	PK	5.2068G	121.21	Inf	-Inf	3	Vertical	57	1.97
5200MHz	Pass	AV	5.1484G	50.56	54.00	-3.44	3	Horizontal	321	1.26
5200MHz	Pass	AV	5.2052G	107.33	Inf	-Inf	3	Horizontal	321	1.26
5200MHz	Pass	PK	5.1448G	65.12	74.00	-8.88	3	Horizontal	321	1.26
5200MHz	Pass	PK	5.2056G	117.71	Inf	-Inf	3	Horizontal	321	1.26
5200MHz	Pass	PK	10.39911G	49.76	68.20	-18.44	3	Vertical	360	1.50
5200MHz	Pass	PK	10.39757G	50.49	68.20	-17.71	3	Horizontal	230	1.50
5240MHz	Pass	AV	5.15G	48.12	54.00	-5.88	3	Vertical	60	1.96
5240MHz	Pass	AV	5.2472G	111.97	Inf	-Inf	3	Vertical	60	1.96
5240MHz	Pass	AV	5.3522G	47.19	54.00	-6.81	3	Vertical	60	1.96
5240MHz	Pass	PK	5.147G	61.46	74.00	-12.54	3	Vertical	60	1.96
5240MHz	Pass	PK	5.2466G	122.24	Inf	-Inf	3	Vertical	60	1.96
5240MHz	Pass	PK	5.369G	60.66	74.00	-13.34	3	Vertical	60	1.96
5240MHz	Pass	AV	5.1428G	47.32	54.00	-6.68	3	Horizontal	323	2.70
5240MHz	Pass	AV	5.2364G	109.25	Inf	-Inf	3	Horizontal	323	2.70
5240MHz	Pass	AV	5.3552G	46.78	54.00	-7.22	3	Horizontal	323	2.70
5240MHz	Pass	PK	5.1374G	61.66	74.00	-12.34	3	Horizontal	323	2.70
5240MHz	Pass	PK	5.2364G	120.20	Inf	-Inf	3	Horizontal	323	2.70
5240MHz	Pass	PK	5.387G	61.08	74.00	-12.92	3	Horizontal	323	2.70
5240MHz	Pass	PK	10.48211G	50.21	68.20	-17.99	3	Vertical	198	1.50
5240MHz	Pass	PK	10.48084G	49.83	68.20	-18.37	3	Horizontal	91	2.88
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.145G	52.98	54.00	-1.02	3	Vertical	63	1.00
5180MHz	Pass	AV	5.1838G	109.20	Inf	-Inf	3	Vertical	63	1.00
5180MHz	Pass	PK	5.144G	69.53	74.00	-4.47	3	Vertical	63	1.00
5180MHz	Pass	PK	5.1852G	122.21	Inf	-Inf	3	Vertical	63	1.00
5180MHz	Pass	AV	5.1454G	50.03	54.00	-3.97	3	Horizontal	322	1.00
5180MHz	Pass	AV	5.1846G	106.92	Inf	-Inf	3	Horizontal	322	1.00
5180MHz	Pass	PK	5.144G	65.30	74.00	-8.70	3	Horizontal	322	1.00
5180MHz	Pass	PK	5.1844G	120.34	Inf	-Inf	3	Horizontal	322	1.00
5180MHz	Pass	PK	10.36017G	50.31	68.20	-17.89	3	Vertical	2	1.50
5180MHz	Pass	PK	10.36061G	50.09	68.20	-18.11	3	Horizontal	348	1.50
5200MHz	Pass	AV	5.1496G	51.74	54.00	-2.26	3	Vertical	56	2.12
5200MHz	Pass	AV	5.2084G	111.80	Inf	-Inf	3	Vertical	56	2.12
5200MHz	Pass	PK	5.15G	66.33	74.00	-7.67	3	Vertical	56	2.12
5200MHz	Pass	PK	5.2088G	124.85	Inf	-Inf	3	Vertical	56	2.12
5200MHz	Pass	AV	5.146G	49.97	54.00	-4.03	3	Horizontal	325	1.03
5200MHz	Pass	AV	5.2044G	108.33	Inf	-Inf	3	Horizontal	325	1.03
5200MHz	Pass	PK	5.1456G	64.22	74.00	-9.78	3	Horizontal	325	1.03
5200MHz	Pass	PK	5.2044G	121.04	Inf	-Inf	3	Horizontal	325	1.03
5200MHz	Pass	PK	10.40203G	50.02	68.20	-18.18	3	Vertical	254	1.50
5200MHz	Pass	PK	10.40188G	50.23	68.20	-17.97	3	Horizontal	39	1.50
5240MHz	Pass	AV	5.1482G	48.53	54.00	-5.47	3	Vertical	59	1.05
5240MHz	Pass	AV	5.2436G	111.83	Inf	-Inf	3	Vertical	59	1.05
5240MHz	Pass	AV	5.3576G	47.16	54.00	-6.84	3	Vertical	59	1.05
5240MHz	Pass	PK	5.1446G	61.88	74.00	-12.12	3	Vertical	59	1.05
5240MHz	Pass	PK	5.2418G	124.04	Inf	-Inf	3	Vertical	59	1.05

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5240MHz	Pass	PK	5.36G	61.19	74.00	-12.81	3	Vertical	59	1.05
5240MHz	Pass	AV	5.135G	47.39	54.00	-6.61	3	Horizontal	314	1.01
5240MHz	Pass	AV	5.2316G	108.67	Inf	-Inf	3	Horizontal	314	1.01
5240MHz	Pass	AV	5.3504G	47.10	54.00	-6.90	3	Horizontal	314	1.01
5240MHz	Pass	PK	5.1434G	61.20	74.00	-12.80	3	Horizontal	314	1.01
5240MHz	Pass	PK	5.2328G	121.44	Inf	-Inf	3	Horizontal	314	1.01
5240MHz	Pass	PK	5.3726G	60.55	74.00	-13.45	3	Horizontal	314	1.01
5240MHz	Pass	PK	10.48197G	51.04	68.20	-17.16	3	Vertical	360	1.50
5240MHz	Pass	PK	10.47805G	50.18	68.20	-18.02	3	Horizontal	210	1.50
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.15G	53.04	54.00	-0.96	3	Vertical	62	1.00
5190MHz	Pass	AV	5.194G	106.75	Inf	-Inf	3	Vertical	62	1.00
5190MHz	Pass	PK	5.14G	73.43	74.00	-0.57	3	Vertical	62	1.00
5190MHz	Pass	PK	5.1728G	120.11	Inf	-Inf	3	Vertical	62	1.00
5190MHz	Pass	AV	5.1444G	49.91	54.00	-4.09	3	Horizontal	323	1.01
5190MHz	Pass	AV	5.1744G	104.33	Inf	-Inf	3	Horizontal	323	1.01
5190MHz	Pass	PK	5.1332G	69.13	74.00	-4.87	3	Horizontal	323	1.01
5190MHz	Pass	PK	5.1752G	116.93	Inf	-Inf	3	Horizontal	323	1.01
5190MHz	Pass	PK	10.38173G	50.36	68.20	-17.84	3	Vertical	254	1.50
5190MHz	Pass	PK	10.38215G	50.47	68.20	-17.73	3	Horizontal	358	2.01
5230MHz	Pass	AV	5.15G	53.21	54.00	-0.79	3	Vertical	65	1.01
5230MHz	Pass	AV	5.2332G	109.03	Inf	-Inf	3	Vertical	65	1.01
5230MHz	Pass	PK	5.15G	67.68	74.00	-6.32	3	Vertical	65	1.01
5230MHz	Pass	PK	5.2324G	122.53	Inf	-Inf	3	Vertical	65	1.01
5230MHz	Pass	AV	5.1448G	51.32	54.00	-2.68	3	Horizontal	314	1.00
5230MHz	Pass	AV	5.2412G	106.23	Inf	-Inf	3	Horizontal	314	1.00
5230MHz	Pass	PK	5.1436G	66.39	74.00	-7.61	3	Horizontal	314	1.00
5230MHz	Pass	PK	5.2412G	119.39	Inf	-Inf	3	Horizontal	314	1.00
5230MHz	Pass	PK	10.46246G	50.26	68.20	-17.94	3	Vertical	20	1.00
5230MHz	Pass	PK	10.45866G	49.88	68.20	-18.32	3	Horizontal	215	1.18
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.134G	53.55	54.00	-0.45	3	Vertical	63	1.00
5210MHz	Pass	AV	5.233G	103.98	Inf	-Inf	3	Vertical	63	1.00
5210MHz	Pass	AV	5.353G	49.74	54.00	-4.26	3	Vertical	63	1.00
5210MHz	Pass	PK	5.134G	67.18	74.00	-6.82	3	Vertical	63	1.00
5210MHz	Pass	PK	5.234G	116.91	Inf	-Inf	3	Vertical	63	1.00
5210MHz	Pass	PK	5.354G	63.33	74.00	-10.67	3	Vertical	63	1.00
5210MHz	Pass	AV	5.149G	53.26	54.00	-0.74	3	Horizontal	313	1.00
5210MHz	Pass	AV	5.241G	100.72	Inf	-Inf	3	Horizontal	313	1.00
5210MHz	Pass	AV	5.36G	49.14	54.00	-4.86	3	Horizontal	313	1.00
5210MHz	Pass	PK	5.149G	66.54	74.00	-7.46	3	Horizontal	313	1.00
5210MHz	Pass	PK	5.242G	113.84	Inf	-Inf	3	Horizontal	313	1.00
5210MHz	Pass	PK	5.36G	62.64	74.00	-11.36	3	Horizontal	313	1.00
5210MHz	Pass	PK	10.41793G	50.44	68.20	-17.76	3	Vertical	359	1.75
5210MHz	Pass	PK	10.42007G	51.08	68.20	-17.12	3	Horizontal	118	1.50

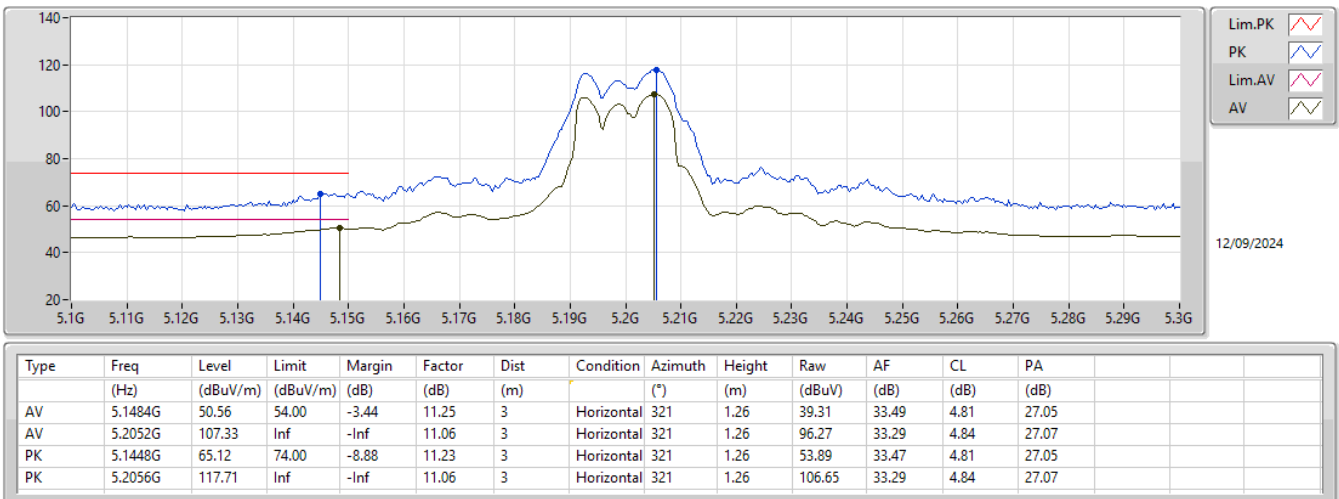
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX



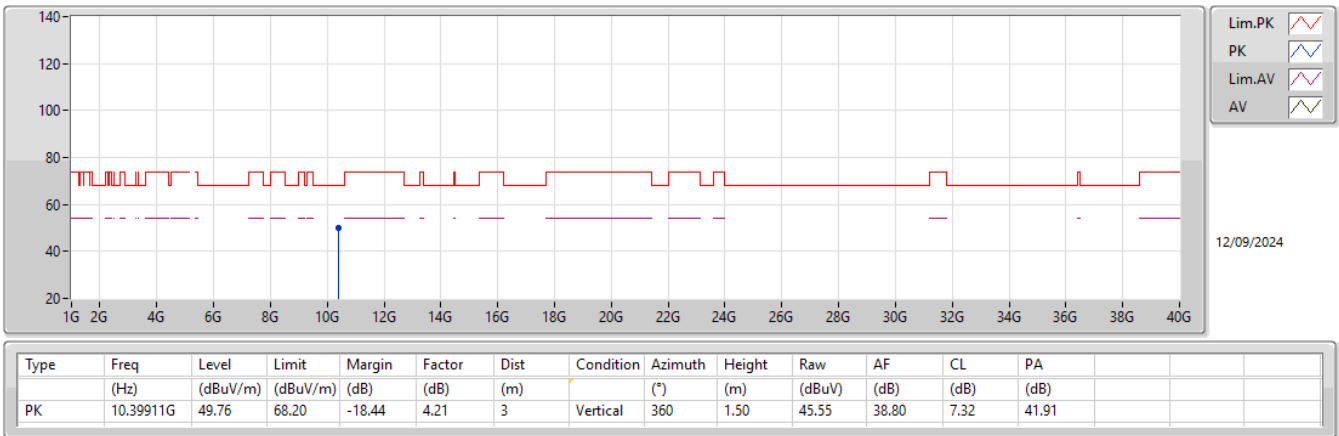
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX



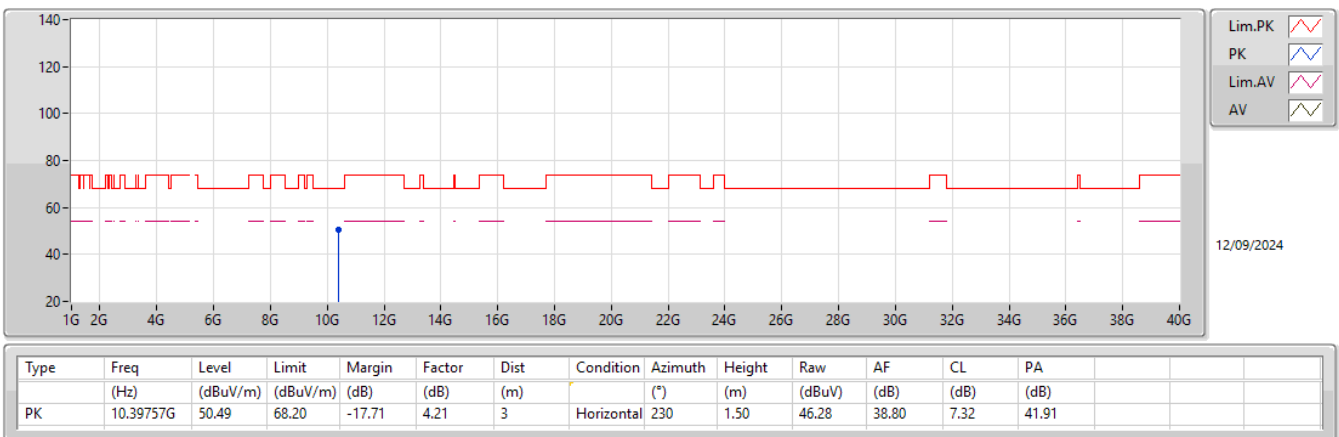
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX



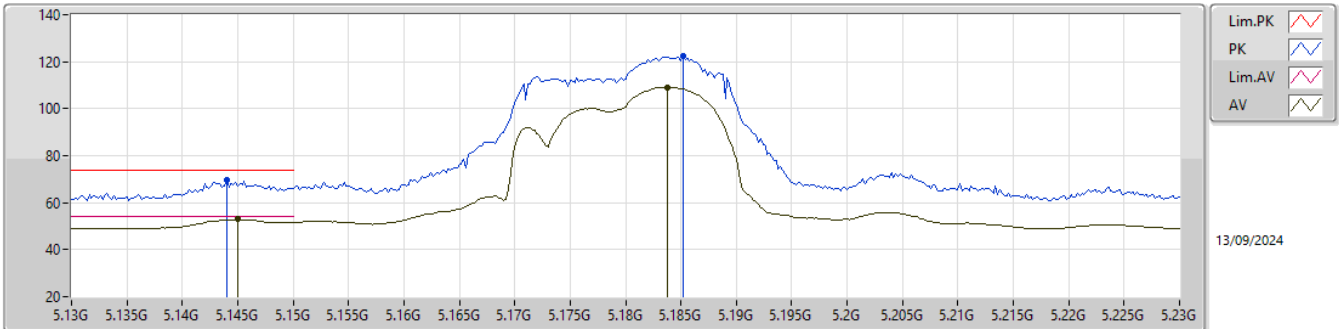
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX



5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

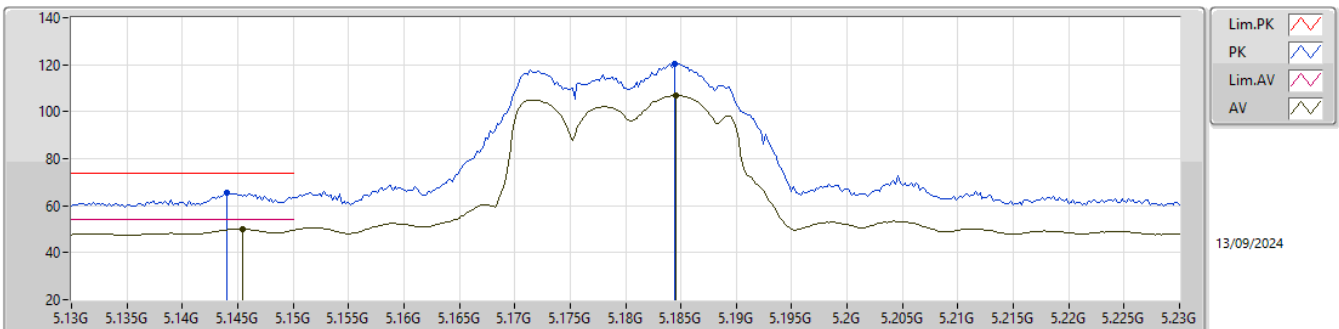
5180MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.145G	52.98	54.00	-1.02	11.23	3	Vertical	63	1.00	41.75	33.47	4.81	27.05
AV	5.1838G	109.20	Inf	-Inf	11.13	3	Vertical	63	1.00	98.07	33.36	4.83	27.06
PK	5.144G	69.53	74.00	-4.47	11.22	3	Vertical	63	1.00	58.31	33.46	4.81	27.05
PK	5.1852G	122.21	Inf	-Inf	11.13	3	Vertical	63	1.00	111.08	33.36	4.83	27.06

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

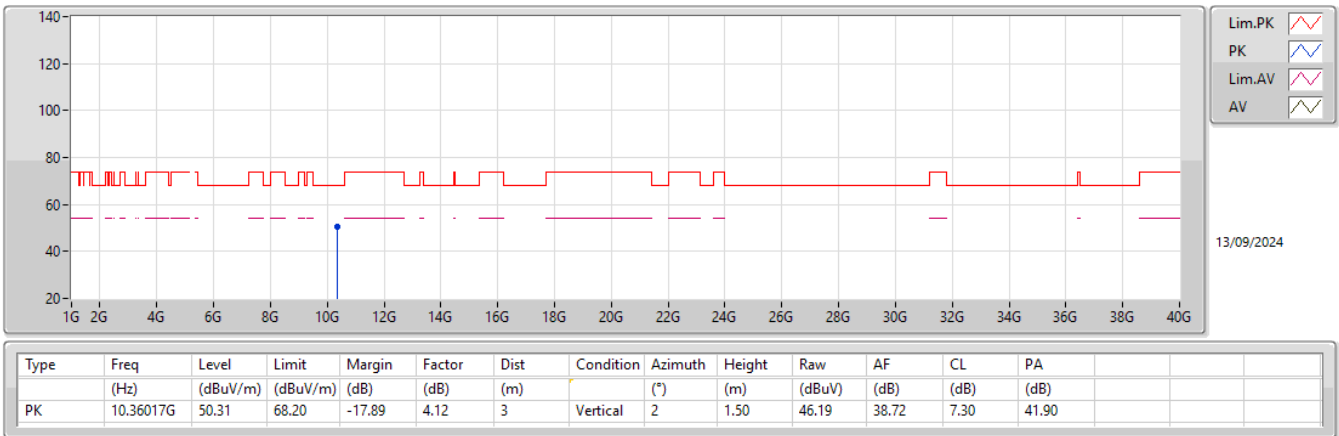
5180MHz_TX



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	5.1454G	50.03	54.00	-3.97	11.23	3	Horizontal	322	1.00	38.80	33.47	4.81	27.05
AV	5.1846G	106.92	Inf	-Inf	11.13	3	Horizontal	322	1.00	95.79	33.36	4.83	27.06
PK	5.144G	65.30	74.00	-8.70	11.22	3	Horizontal	322	1.00	54.08	33.46	4.81	27.05
PK	5.1844G	120.34	Inf	-Inf	11.13	3	Horizontal	322	1.00	109.21	33.36	4.83	27.06

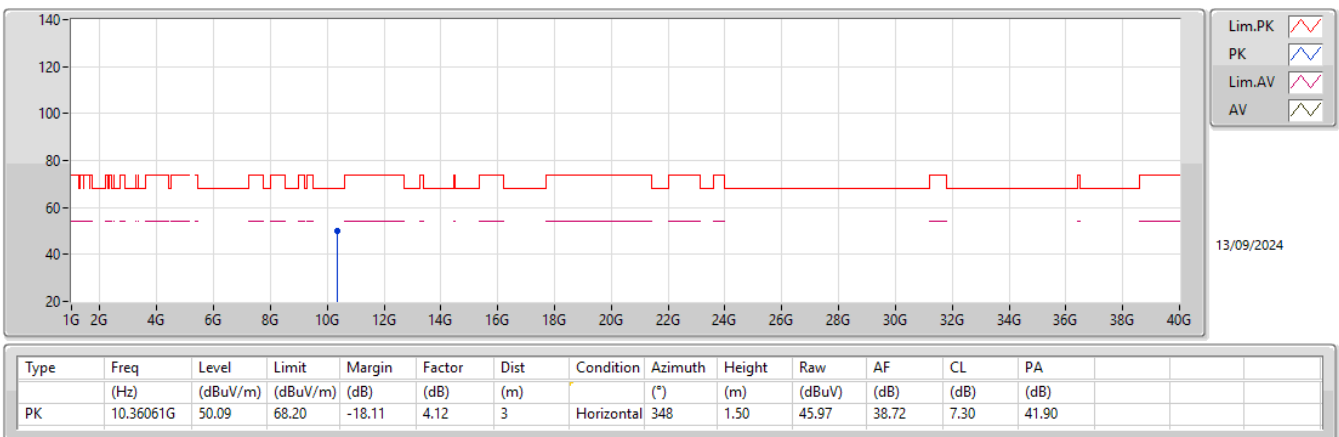
5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

5180MHz_TX



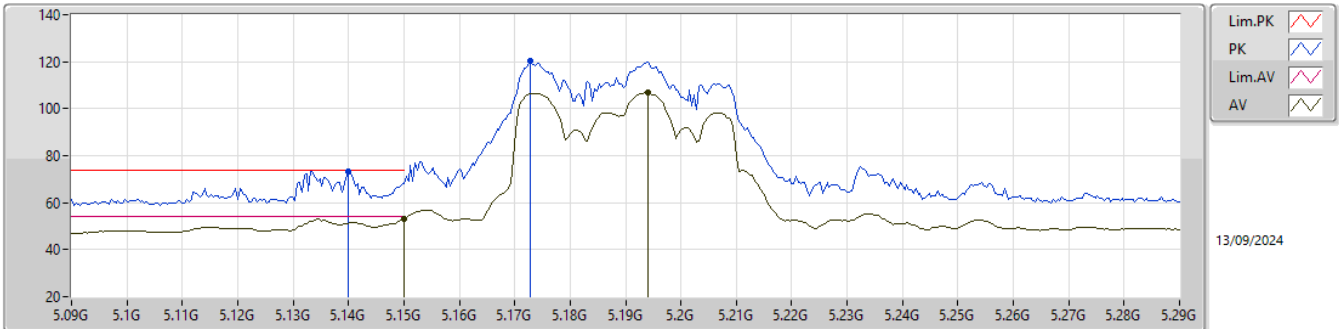
5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

5180MHz_TX



5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX

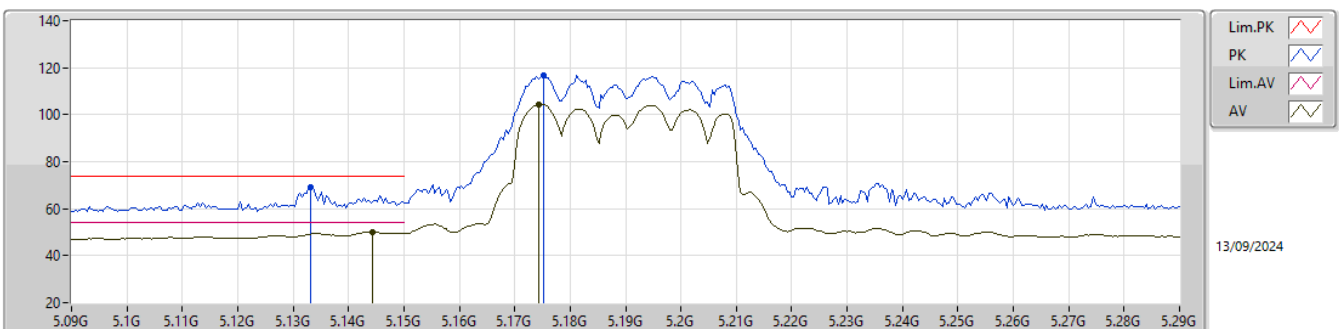
5190MHz_TX



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	5.15G	53.04	54.00	-0.96	11.26	3	Vertical	62	1.00	41.78	33.50	4.81	27.05
AV	5.194G	106.75	Inf	-Inf	11.09	3	Vertical	62	1.00	95.66	33.32	4.84	27.07
PK	5.14G	73.43	74.00	-0.57	11.20	3	Vertical	62	1.00	62.23	33.44	4.81	27.05
PK	5.1728G	120.11	Inf	-Inf	11.18	3	Vertical	62	1.00	108.93	33.41	4.83	27.06

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX

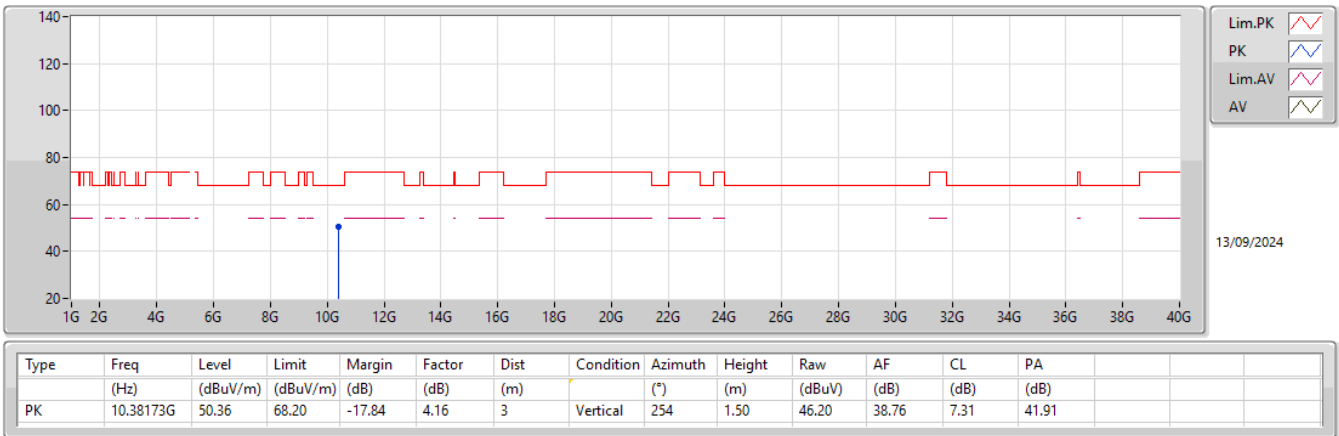
5190MHz_TX



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	5.1444G	49.91	54.00	-4.09	11.23	3	Horizontal	323	1.01	38.68	33.47	4.81	27.05
AV	5.1744G	104.33	Inf	-Inf	11.17	3	Horizontal	323	1.01	93.16	33.40	4.83	27.06
PK	5.1332G	69.13	74.00	-4.87	11.16	3	Horizontal	323	1.01	57.97	33.40	4.80	27.04
PK	5.1752G	116.93	Inf	-Inf	11.17	3	Horizontal	323	1.01	105.76	33.40	4.83	27.06

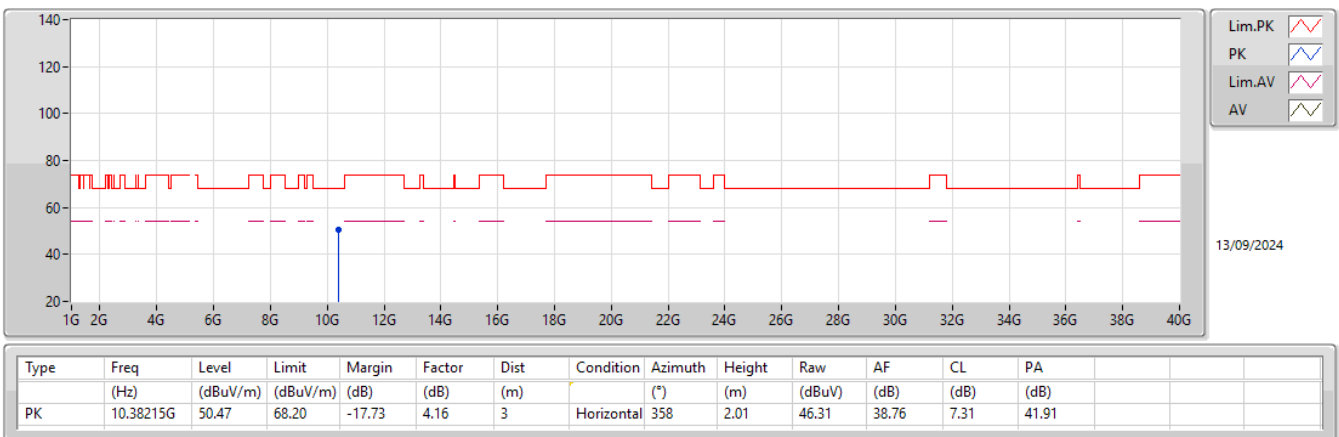
5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX

5190MHz_TX



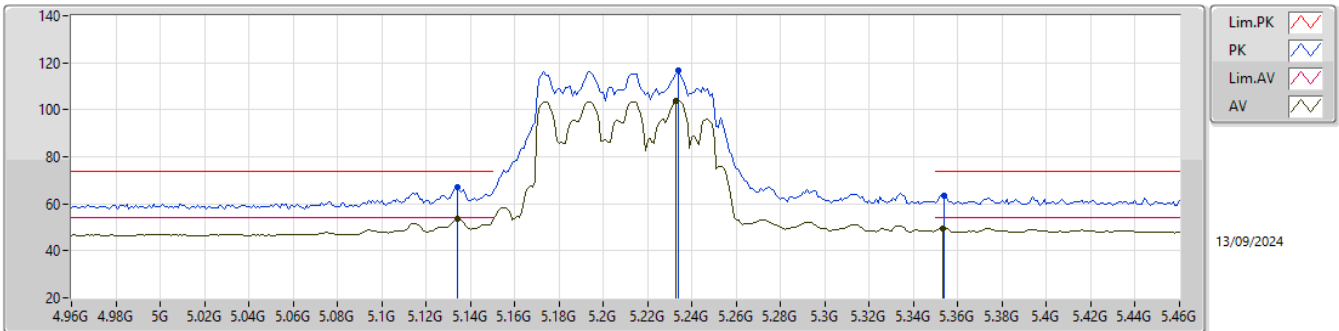
5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX

5190MHz_TX



5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_4TX

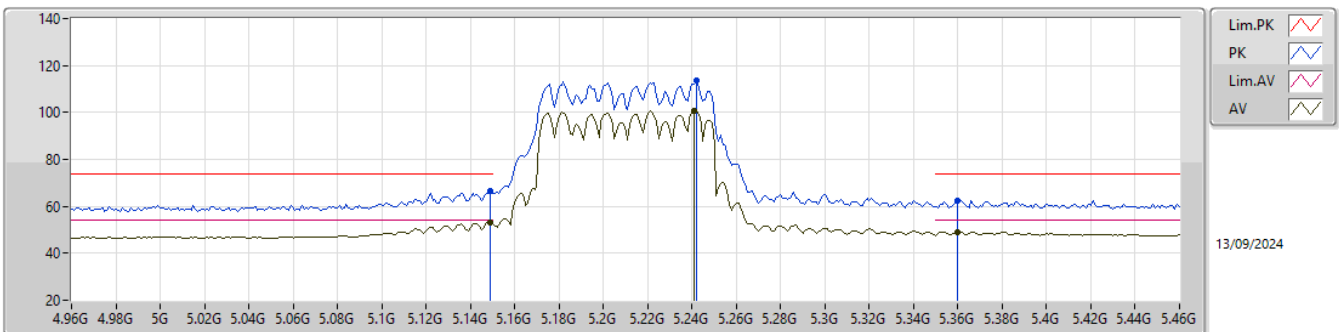
5210MHz_TX



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	5.134G	53.55	54.00	-0.45	11.16	3	Vertical	63	1.00	42.39	33.40	4.80	27.04
AV	5.233G	103.98	Inf	-Inf	11.00	3	Vertical	63	1.00	92.98	33.23	4.85	27.08
AV	5.353G	49.74	54.00	-4.26	10.87	3	Vertical	63	1.00	38.87	33.09	4.91	27.13
PK	5.134G	67.18	74.00	-6.82	11.16	3	Vertical	63	1.00	56.02	33.40	4.80	27.04
PK	5.234G	116.91	Inf	-Inf	11.01	3	Vertical	63	1.00	105.90	33.23	4.86	27.08
PK	5.354G	63.33	74.00	-10.67	10.87	3	Vertical	63	1.00	52.46	33.09	4.91	27.13

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_4TX

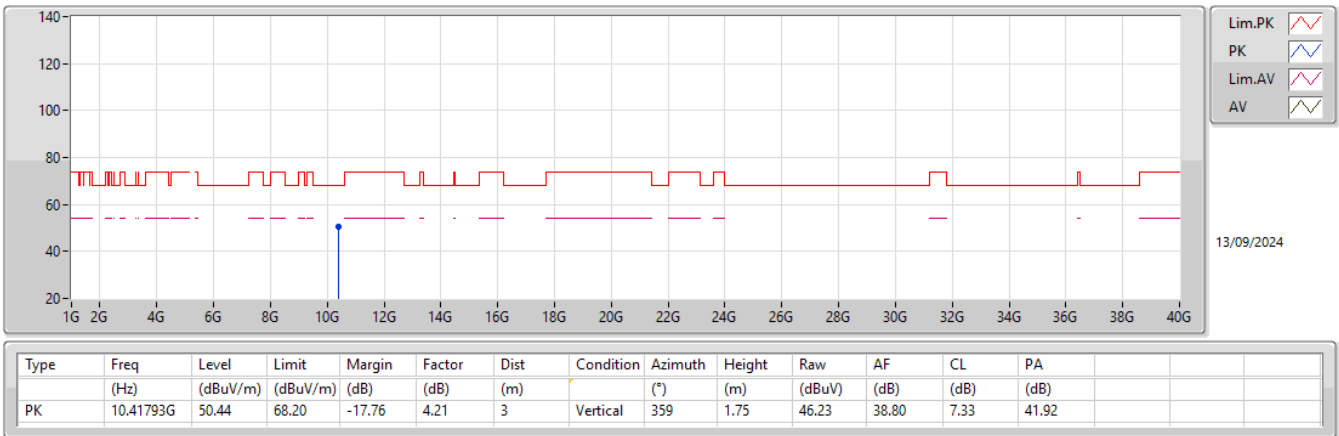
5210MHz_TX



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	5.149G	53.26	54.00	-0.74	11.25	3	Horizontal	313	1.00	42.01	33.49	4.81	27.05
AV	5.241G	100.72	Inf	-Inf	10.99	3	Horizontal	313	1.00	89.73	33.22	4.86	27.09
AV	5.36G	49.14	54.00	-4.86	10.86	3	Horizontal	313	1.00	38.28	33.08	4.91	27.13
PK	5.149G	66.54	74.00	-7.46	11.25	3	Horizontal	313	1.00	55.29	33.49	4.81	27.05
PK	5.242G	113.84	Inf	-Inf	10.99	3	Horizontal	313	1.00	102.85	33.22	4.86	27.09
PK	5.36G	62.64	74.00	-11.36	10.86	3	Horizontal	313	1.00	51.78	33.08	4.91	27.13

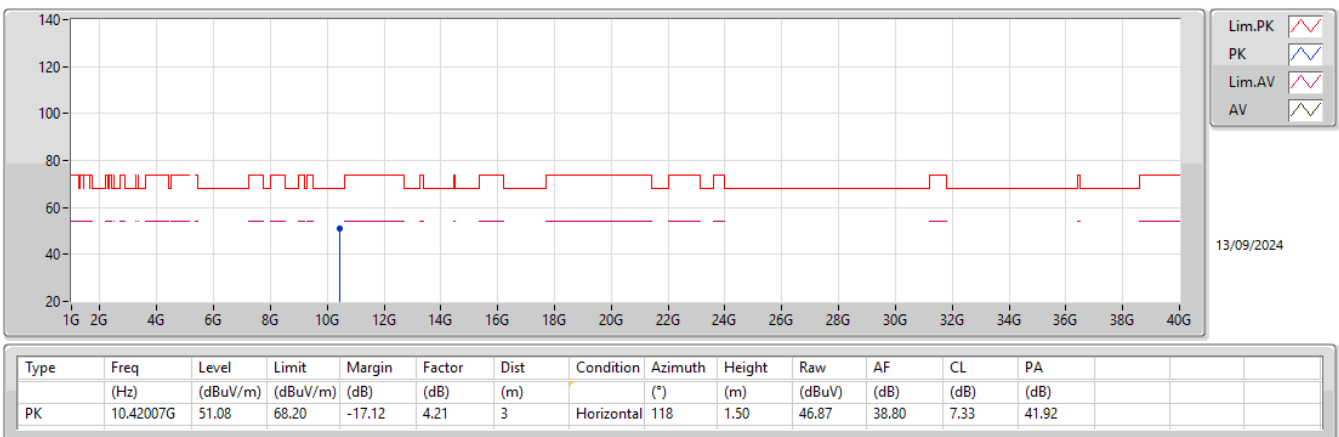
5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_4TX

5210MHz_TX



5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_4TX

5210MHz_TX





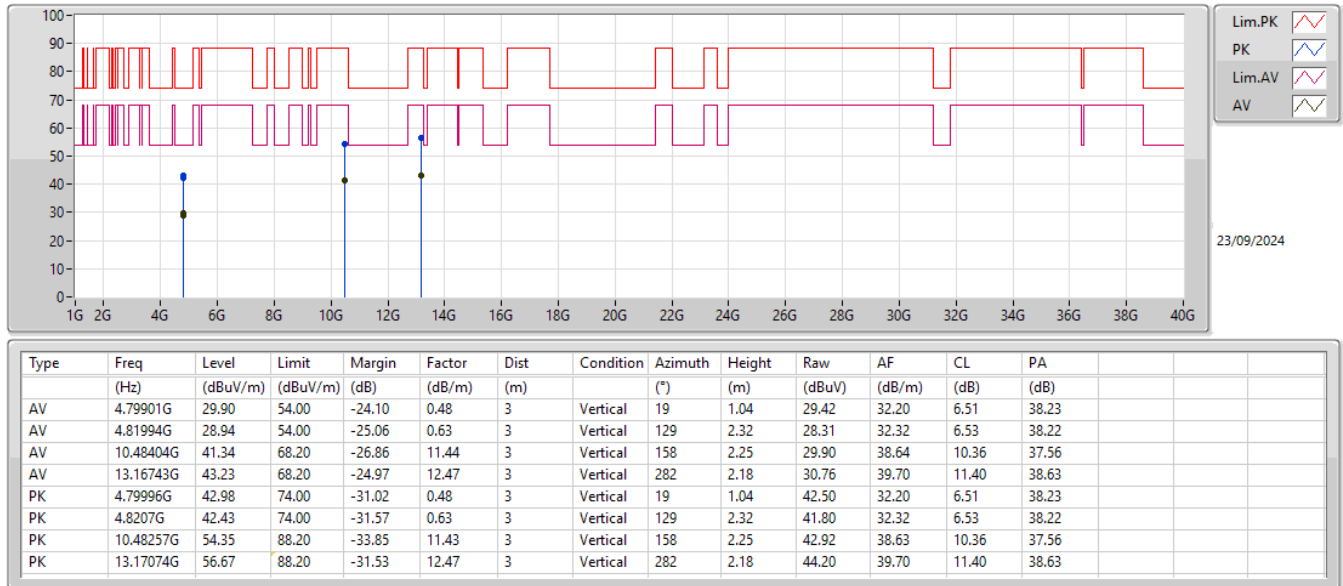
Summary

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

