

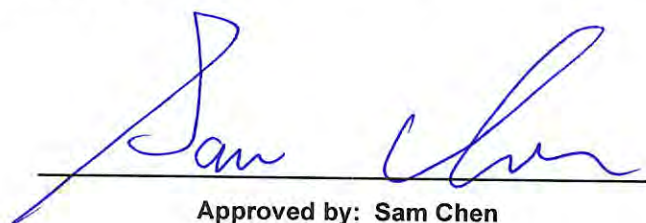


RADIO TEST REPORT

FCC ID : 2AYRA-100014
Equipment : Linksys Velop Micro Mesh 7
Brand Name : Linksys
Model Name : LN1600, SPNLN16, LN16
Applicant : Linksys USA, Inc.
121 Theory, Irvine, CA. 92617, USA
Standard : 47 CFR FCC Part 15.407

The product was received on Oct. 01, 2024, and testing was started from Oct. 01, 2024 and completed on May 29, 2025. We, Sporton International Inc. Hsinchu 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. Hsinchu Laboratory, the test report shall not be reproduced except in full.


Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Information.....	5
1.2 Applicable Standards	10
1.3 Testing Location Information	10
1.4 Measurement Uncertainty	11
2 Test Configuration of EUT	12
2.1 Test Channel Mode	12
2.2 The Worst Case Measurement Configuration	13
2.3 EUT Operation during Test	14
2.4 Accessories	15
2.5 Support Equipment.....	15
2.6 Test Setup Diagram	16
3 Transmitter Test Result	20
3.1 AC Power-line Conducted Emissions	20
3.2 Emission Bandwidth	22
3.3 Maximum Output Power	23
3.4 Power Spectral Density	26
3.5 Unwanted Emissions.....	29
4 Test Equipment and Calibration Data	33
Appendix A. Test Results of AC Power-line Conducted Emissions	
Appendix B. Test Results of Emission Bandwidth	
Appendix C. Test Results of Maximum Output Power	
Appendix D. Test Results of Power Spectral Density	
Appendix E. Test Results of Unwanted Emissions	
Appendix F. Test Results of Radiated Emission Co-location	
Appendix G. Test Photos	
Photographs of EUT v01	



TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A12_1 Ver1.4



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 Output Power	PASS	-
3.4	15.407(a)	Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-
Note: Reference to Sporton Project No.: 493013				

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen

Report Producer: Muse Chan



1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11a	20	2TX
5.725-5.85GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11n HT20-BF	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20-BF	20	2TX
5.725-5.85GHz	802.11ax HEW20	20	2TX
5.725-5.85GHz	802.11ax HEW20-BF	20	2TX
5.725-5.85GHz	802.11be EHT20	20	2TX
5.725-5.85GHz	802.11be EHT20-BF	20	2TX
5.725-5.85GHz	802.11n HT40	40	2TX
5.725-5.85GHz	802.11n HT40-BF	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40-BF	40	2TX
5.725-5.85GHz	802.11ax HEW40	40	2TX
5.725-5.85GHz	802.11ax HEW40-BF	40	2TX
5.725-5.85GHz	802.11be EHT40	40	2TX
5.725-5.85GHz	802.11be EHT40-BF	40	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80-BF	80	2TX
5.725-5.85GHz	802.11ax HEW80	80	2TX
5.725-5.85GHz	802.11ax HEW80-BF	80	2TX
5.725-5.85GHz	802.11be EHT80	80	2TX
5.725-5.85GHz	802.11be EHT80-BF	80	2TX

**Note:**

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40, VHT80 and VHT160 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ HEW20, HEW40, HEW80 and HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ EHT20, EHT40, EHT80 and EHT160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port			Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz	Bluetooth					
1	1	1	-	GALTRONICS	02102140-08091C1	PCB Antenna	U.FL	Note 1
2	2	2	-	GALTRONICS	02102140-08091C2	PCB Antenna	U.FL	
3	-	-	1	GALTRONICS	02036073-07315	Embedded Antenna	N/A	

Note 1:

Ant.	Antenna Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz			
		Band 1	Band 2	Band 3	Band 4
1	2.19	3.40	3.45	3.70	3.40
2	1.56	3.21	3.15	3.41	3.20
Ant.	Bluetooth				
3	3.53				

Note 2: The above information was declared by manufacturer.

Note 3: Directional gain information

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

Ex.

Directional Gain (NSS1) formula :

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_m} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20} ; NSS1(g1,2) = 10^{G3/20} ; NSS1(g1,2) = 10^{G4/20}$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2 / N_{ANT}] \Rightarrow 10$$

$$\log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20} + 10^{G4/20})^2 / N_{ANT}]$$

Where ;

$$2.4G \ G1 = 2.19 \text{ dBi} ; G2 = 1.56 \text{ dBi}$$

$$5G \text{ UNII-1} \ G1 = 3.40 \text{ dBi} ; G2 = 3.21 \text{ dBi} ;$$

$$5G \text{ UNII-2A} \ G1 = 3.45 \text{ dBi} ; G2 = 3.15 \text{ dBi} ;$$

$$5G \text{ UNII-2C} \ G1 = 3.70 \text{ dBi} ; G2 = 3.41 \text{ dBi} ;$$

$$5G \text{ UNII-3} \ G1 = 3.40 \text{ dBi} ; G2 = 3.20 \text{ dBi} ;$$

$$2.4G \ DG = 4.89$$

$$5G \text{ UNII-1} \ DG = 6.32$$

$$5G \text{ UNII-2A} \ DG = 6.31$$

$$5G \text{ UNII-2C} \ DG = 6.57$$

$$5G \text{ UNII-3} \ DG = 6.31$$

Note 4: **For 2.4GHz function:**

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

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

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

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For Bluetooth function (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a	0.991	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20-BF	0.96	0.18	3.689m	300
802.11be EHT40-BF	0.943	0.25	3.689m	300
802.11be EHT80-BF	0.961	0.17	3.872m	300

Note:

- ♦ DC is Duty Cycle.
- ♦ DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax/be in 2.4GHz and n/ac/ax/be in 5GHz.			
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
	☒	Point-to-multipoint	☒	Point-to-point
Channel Puncturing Function	☐	Supported Static Puncturing		
	☐	Supported Dynamic Puncturing (Reduce BW)		
	☒	Unsupported		
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	For non-beamforming mode: QRCT V4.0.95.1 For beamforming mode: DOS [ver 6.7.7061]			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

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

Model Name	Description
LN1600	All the models are identical; the different model names served as marketing strategy.
SPNLN16	
LN16	

Note 1: From the above models, model: LN1600 was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.



1.1.6 Table for EUT Supports Function

Function
AP Router
Mesh

Note 1: The AP Router mode was tested and recorded in this test report.

Note 2: The above information was declared by manufacturer.



1.2 Applicable 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
- ♦ FCC KDB 789033 D02 v02r01

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

- ♦ FCC KDB 662911 D01 v02r01
- ♦ FCC KDB 412172 D01 v01r01
- ♦ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu (TAF: 3787)	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.) TEL: 886-3-656-9065 FAX: 886-3-656-9085 Test site Designation No. TW3787 with FCC. Conformity Assessment Body Identifier (CABID) TW3787 with ISED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH02-CB	Ken Yeh	23.3~24.4 / 59~61	Oct. 08, 2024~ Oct. 16, 2024
Radiated < 1GHz	03CH05-CB	Chris Li	21.5~22.9 / 57~60	May 21, 2025~ May 29, 2025
	03CH06-CB		21.9~23.1 / 60~62	
Radiated > 1GHz (For others)	03CH02-CB	Paul Hu	21.8~22.9 / 55~58	Oct. 01, 2024~ Oct. 22, 2024
Radiated > 1GHz (Co-location)	03CH03-CB	Paul Hu	21.4~22.5 / 55~58	Nov. 01. 2024
AC Conduction	CO01-CB	Ryan Huang	22~23 / 56~58	Apr. 09, 2025



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 Date: Date Before May 28, 2025

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.0 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.1 %	Confidence levels of 95%

Test Date: Date After May 27, 2025

Test Items	Uncertainty	Remark
Radiated Emission (9kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.7 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode
802.11a_Nss1,(6Mbps)_2TX
5745MHz
5785MHz
5825MHz
802.11be EHT20-BF_Nss1,(MCS0)_2TX
5745MHz
5785MHz
5825MHz
802.11be EHT40-BF_Nss1,(MCS0)_2TX
5755MHz
5795MHz
802.11be EHT80-BF_Nss1,(MCS0)_2TX
5775MHz

Note:

- ♦ EHT20 / EHT40 / EHT80 covers HT20 / HT40 / VHT20 / VHT40 / VHT80 / HEW20 / HEW40 / HEW80 / HEW160 due to similar modulation. The power setting for HT20 / HT40 / VHT20 / VHT40 / VHT80 / HEW20 / HEW40 / HEW80 is the same or lower than EHT20 / EHT40 / EHT80
- ♦ The EUT supports non-beamforming and beamforming modes. After evaluating, the beamforming mode was selected to test.

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	Normal Link
1	EUT + Adapter 1 with USB Type-C cable 1
2	EUT + Adapter 2 with USB Type-C cable 2
For operating mode 2 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Output Power 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. After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration. 2. There are three modes of EUT, one is WLAN 2.4GHz mode, another is WLAN 5GHz mode, and the other is Bluetooth mode, WLAN 5GHz mode has been evaluated to be the worst case after evaluating. So the measurement will follow this same test configuration.
1	EUT in Y axis_WLAN 5GHz + Adapter 1 with USB Type-C cable 1
2	EUT in Y axis_WLAN 5GHz + Adapter 2 with USB Type-C cable 2
For operating, mode 2 is the worst case and it was recorded in this test report.	
Operating Mode > 1GHz	CTX
	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Y axis



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Y axis_WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	Bluetooth + WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA480229-01 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

Non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

Beamforming mode:

During the test, the following programs under WIN 10 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS [ver 6.7.7061].
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Client and transmit duty cycle no less than 98%.

For Normal Link Mode:

During the test, the EUT operation to normal function.



2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter 1	Ktec	KSA-35P-D5X	Input: 100-240V ~ 50/60Hz, 1.0A Output: 5.0V, 3.0A, 15.0W 9.0V, 3.0A, 27.0W
Adapter 2	Frecom	FC035P04-050030CP	Input: 100-240V~50/60Hz, 1.0A Output: 5.0V, 3.0A, 15.0W; 9.0V, 3.0A, 27.0W; 12.0V, 2.91A, 34.92W; 15.0V, 2.33A, 34.95W; 20.0V, 1.75A, 35.0W
Others			
Plug 1 (For Adapter 1 use only)*1			
Plug 2 (For Adapter 2 use only)*1			
RJ-45 cable*1: Non-shielded, 0.9m			
USB Type-C cable 1 (For Adapter 1 use only)*1: Shielded, 1.5m			
USB Type-C cable 2 (For Adapter 2 use only)*1: Shielded, 1.5m			

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	2.4G NB	Lenovo	T400	N/A
B	5G NB	Lenovo	T400	N/A
C	Smart phone	Redmi	M1810F6LH	2AFZZ-RMSF6LG
D	2.5G LAN PC	ASUS	S300TA	TX2-RTL8821CE

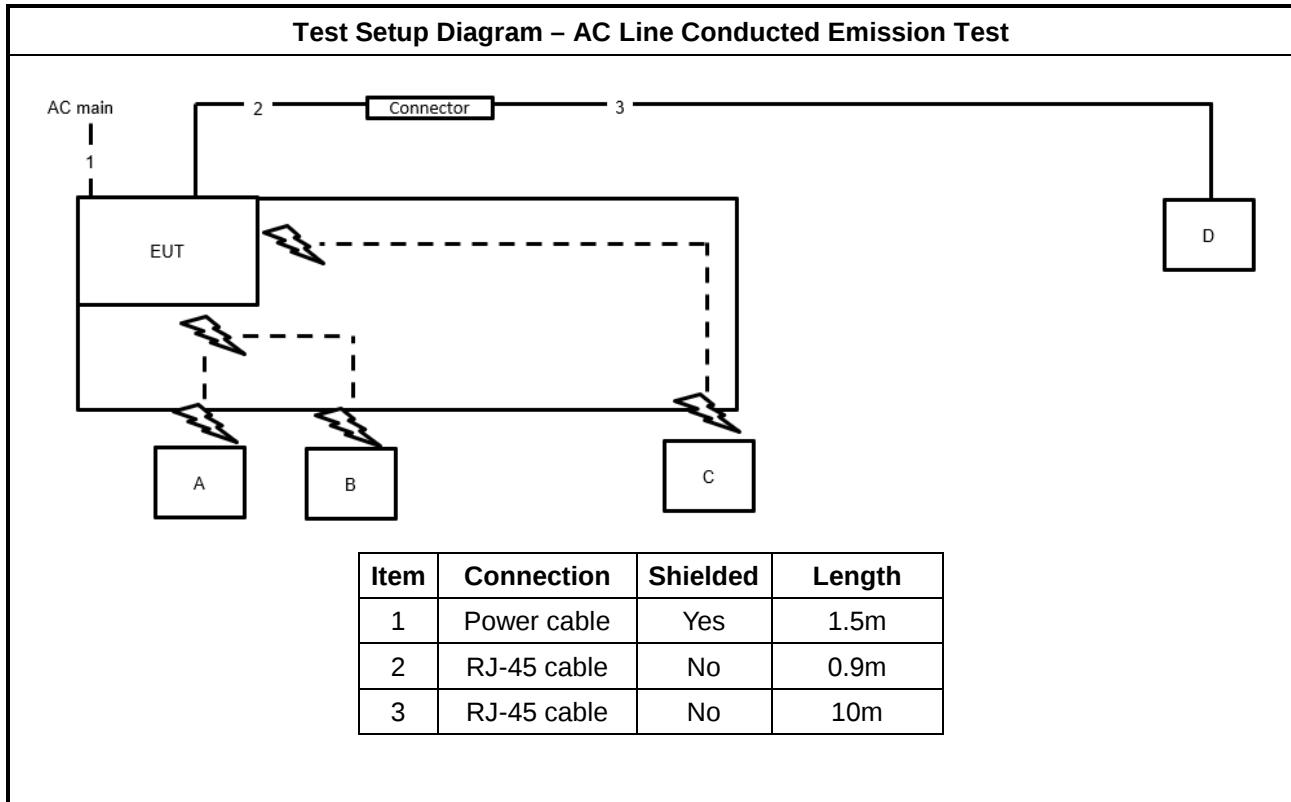
For Radiated and RF Conducted: Non-beamforming mode:

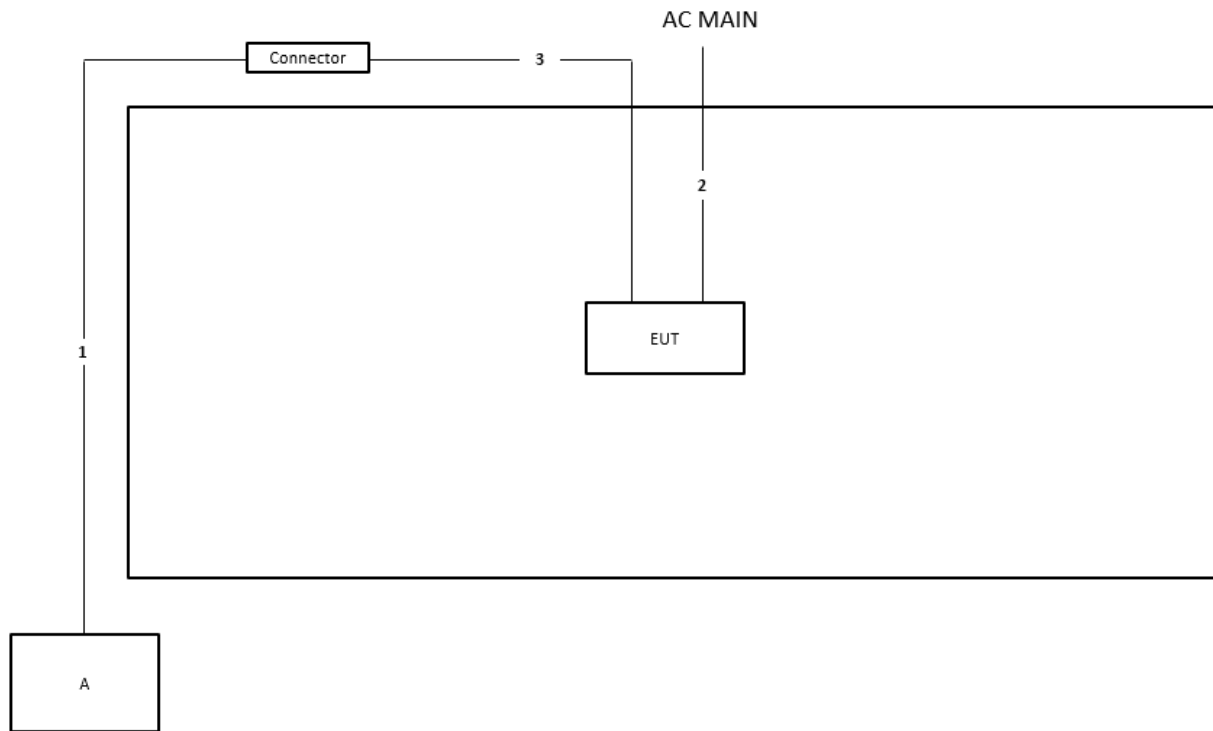
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A

Beamforming mode:

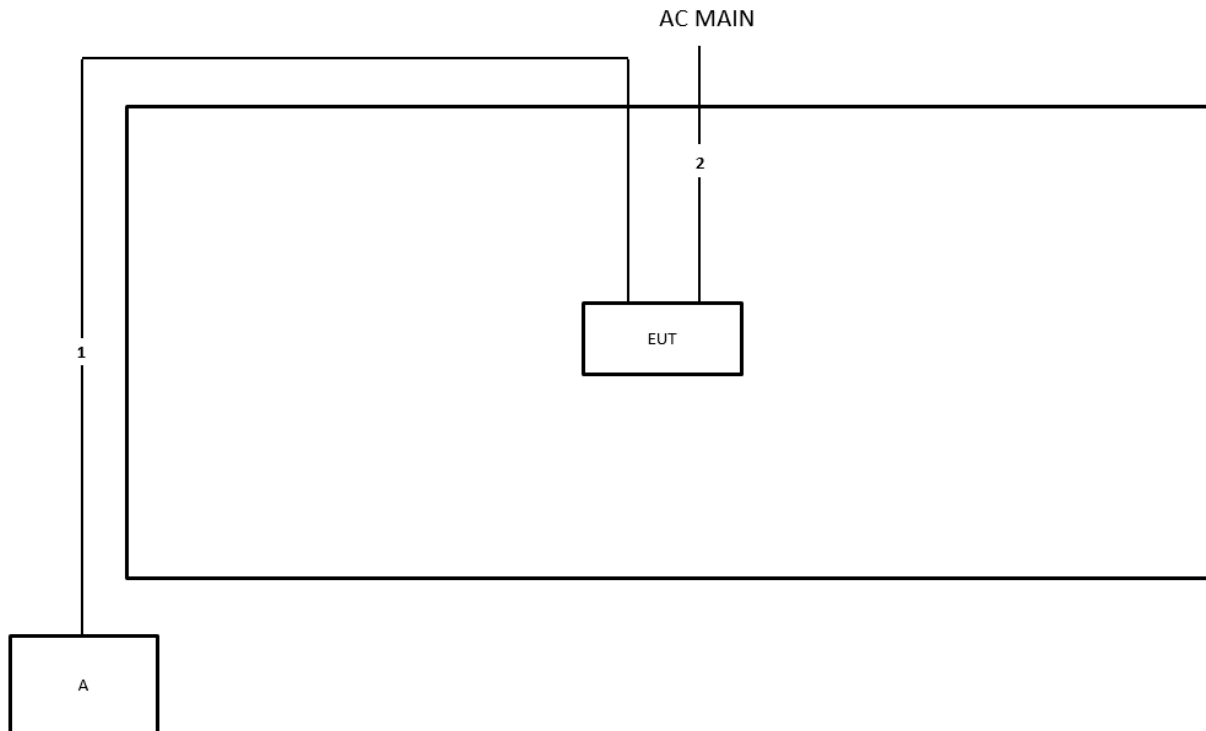
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Client	Cybertan	Cherry7	N/A
C	NB	DELL	E4300	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


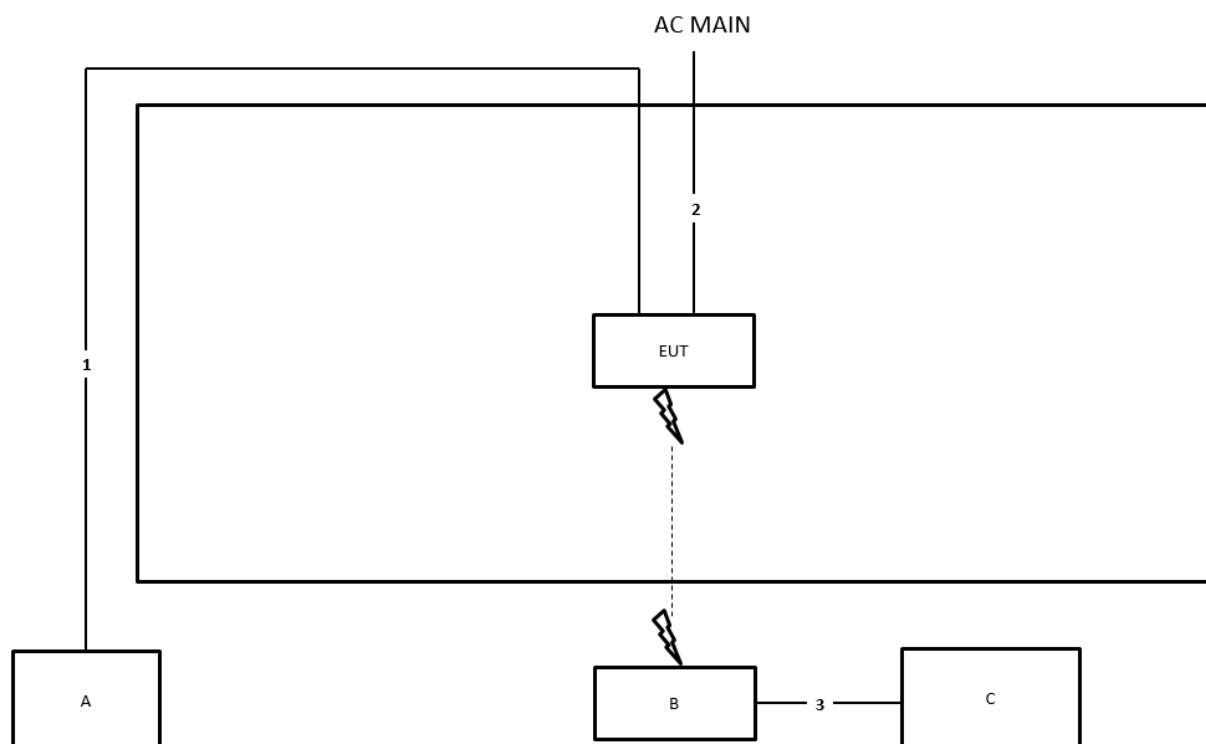
Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	Yes	1.5m
3	RJ-45 cable	No	0.9m

Test Setup Diagram - Radiated Test > 1GHz
Non-beamforming mode


Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	Yes	1.5m

Test Setup Diagram - Radiated Test > 1GHz

Beamforming mode



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	Yes	1.5m
3	RJ-45 cable	No	10m



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.

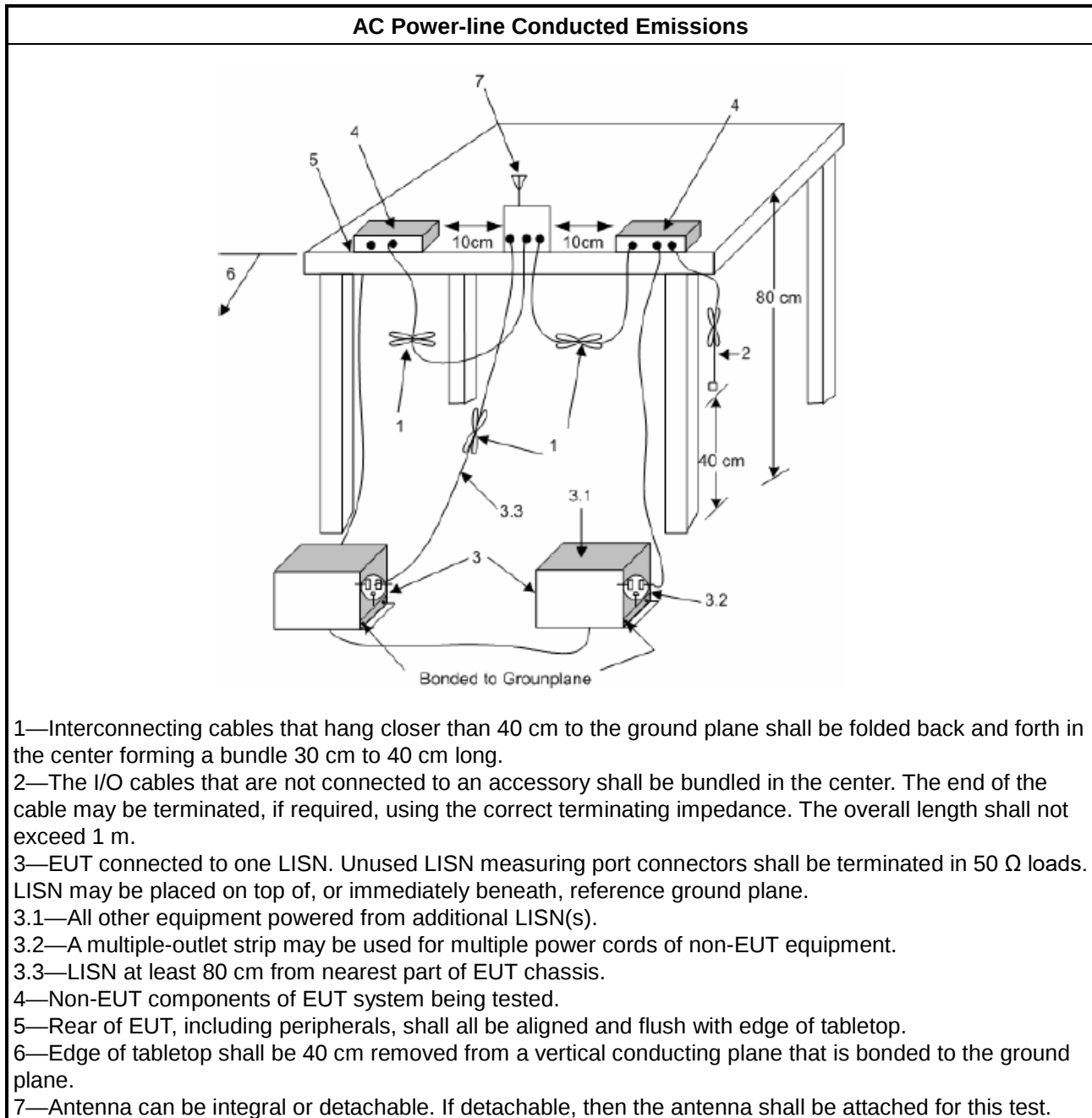
3.1.2 Measuring Instruments

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 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- Margin = -Limit + Level

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, the maximum conducted output power shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz.
☐	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth $\geq 500\text{kHz}$.
LE-LAN Devices	
☐	For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq 500\text{kHz}$.

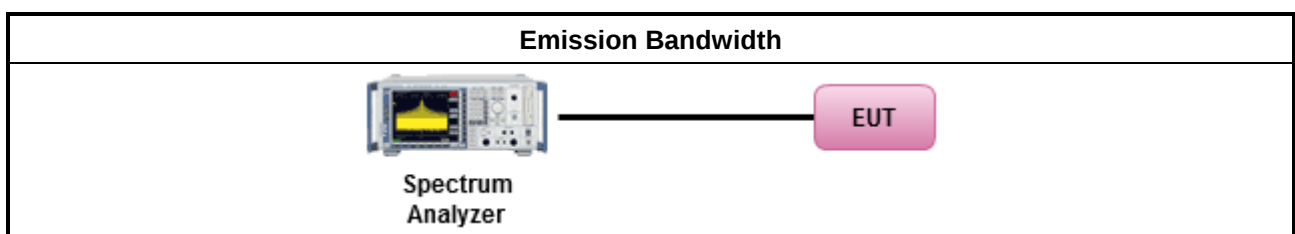
3.2.2 Measuring Instruments

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 FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Output Power

3.3.1 Limit

Maximum 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 the lesser of 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 the lesser of 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 the lesser of 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 the lesser of 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 the lesser of 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 the lesser of 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 the lesser of 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 the lesser of 1 W.
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band:	
☐	- For other devices: The maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz. - Vehicles devices: The maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐ For the 5.25-5.35 GHz band:	
☐	- For other devices: The maximum conducted output power shall not exceed 250 mW or 11 + 10 log 10 B, dBm, and the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz - Vehicles devices: The maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐ For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum conducted output power shall not exceed 250 mW or 11 + 10 log 10 B, dBm, and the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.	

☐ For the 5.725-5.85 GHz band:	
	Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 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 the lesser of 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	
	Average over on/off periods with duty factor
	☐ Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
	☐ Refer as FCC KDB 789033 D02, 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 FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).
☒ For conducted measurement.	
	If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$
☐ For radiated measurement.	
	Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.3.4 Test Setup

Conducted Measurement (Power Meter)




3.3.5 Test Result of Maximum Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 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 the lesser of 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 the lesser of 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 the lesser of 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.
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.	
☐ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
☐	e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for $0^\circ \leq \theta < 8^\circ$; -13 - 0.716 (θ-8) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 (θ-40) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐ For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
☐ 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

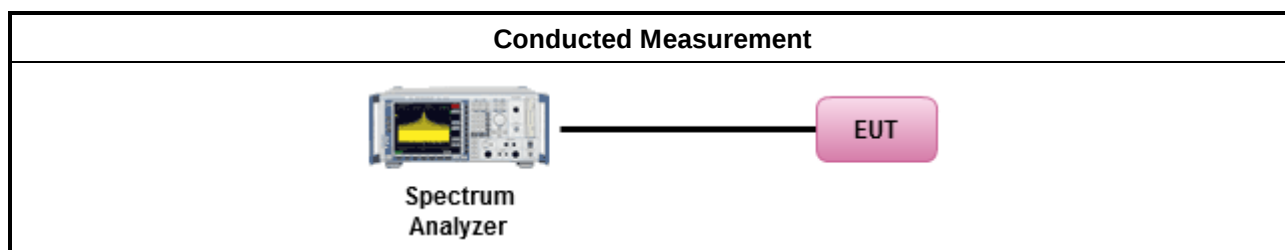
Refer a test equipment and calibration data table in this test report.



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 FCC KDB 789033 D02, 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% or external video / power trigger]	
☒	Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
☒	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, 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:	
☒	Option 1: Measure and sum the spectra across the outputs. Refer as FCC 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.
☐	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
☐	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
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]) $EIRP_{total} = PPSD_{total} + DG$	
☐ For radiated measurement.	
- Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing" - Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. - Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.	

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D



3.5 Unwanted Emissions

3.5.1 Transmitter 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	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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).



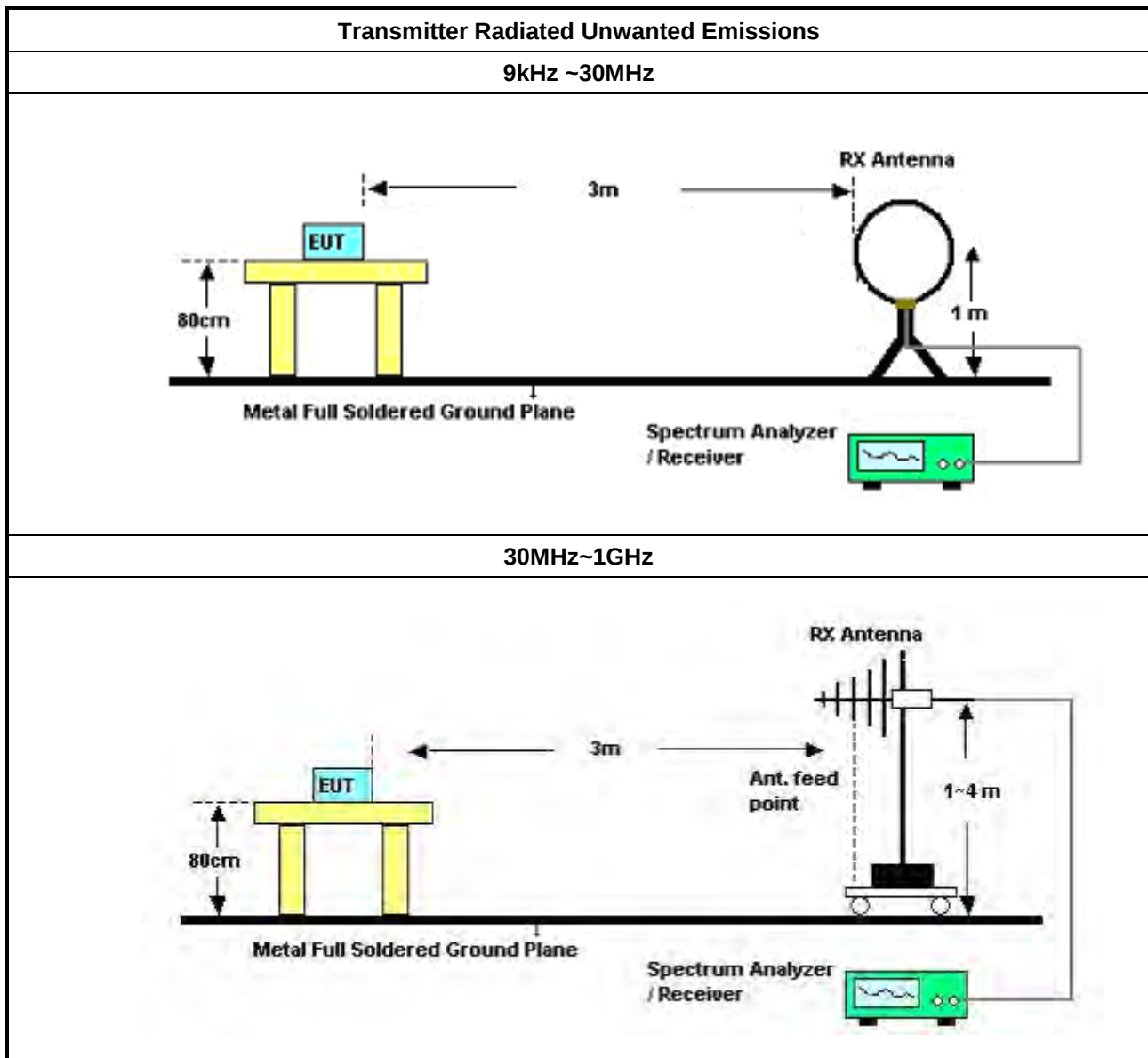
3.5.2 Measuring Instruments

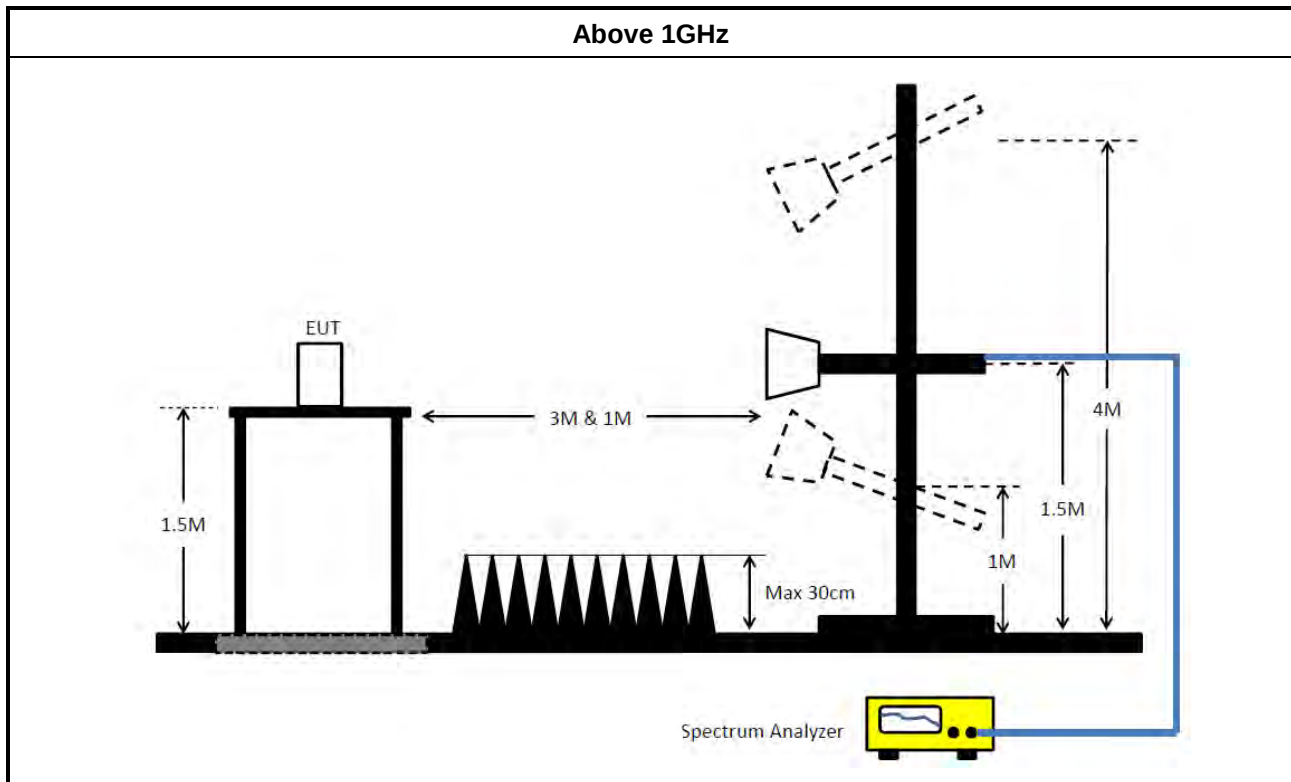
Refer a test equipment and calibration data table in this test report.

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 FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).
	☒ Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
	☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	☒ Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.
☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.	
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

3.5.4 Test Setup





3.5.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

All amplified emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 06, 2025	Mar. 05, 2026	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 18, 2025	Feb. 17, 2026	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 24, 2024	Apr. 23, 2025	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 16, 2024	Oct. 15, 2025	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 01, 2024	Jul. 31, 2025	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 22, 2025	Mar. 21, 2026	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 01, 2025	Apr. 30, 2026	Radiation (03CH05-CB)
Signal Analyzer	R&S	FSV3044	101321	9kHz ~ 44GHz	Jun. 26, 2024	Jun. 25, 2025	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 21, 2024	Oct. 20, 2025	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH05-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 16, 2024	Oct. 15, 2025	Radiation (03CH06-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 02, 2024	Aug. 01, 2025	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Jul. 29, 2024	Jul. 28, 2025	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	Nov. 02, 2024	Nov. 01, 2025	Radiation (03CH06-CB)
Signal analyzer	R&S	FSV3044	101667	9kHz~44GHz	Aug. 20, 2024	Aug. 19, 2025	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 21, 2024	Oct. 20, 2025	Radiation (03CH06-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-low	Woken	RG402	Low Cable-24+68	30MHz~1GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 24, 2024	Mar. 23, 2025	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 12, 2024	Apr. 11, 2025	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 29, 2024	Jun. 28, 2025	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV3044	101536	10kHz ~ 44GHz	Aug. 14, 2024	Aug. 13, 2025	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11.19	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 03, 2024	May 02, 2025	Radiation (03CH03-CB)
Horn Antenna	ETS-Lindgren	3115	6821	750MHz~18GHz	Jan. 24, 2024	Jan. 23, 2025	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jun. 29, 2024	Jun. 28, 2025	Radiation (03CH03-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 11, 2024	Jun. 10, 2025	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH03-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 27, 2024	Aug. 26, 2025	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1531343	300MHz~40GHz	Aug. 26, 2024	Aug. 25, 2025	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1728001	300MHz~40GHz	Aug. 26, 2024	Aug. 25, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1GHz – 18GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1GHz – 18GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1GHz – 18GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1GHz – 18GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1GHz – 18GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1~18GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH02-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11.19	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Conducted (TH02-CB)

Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.



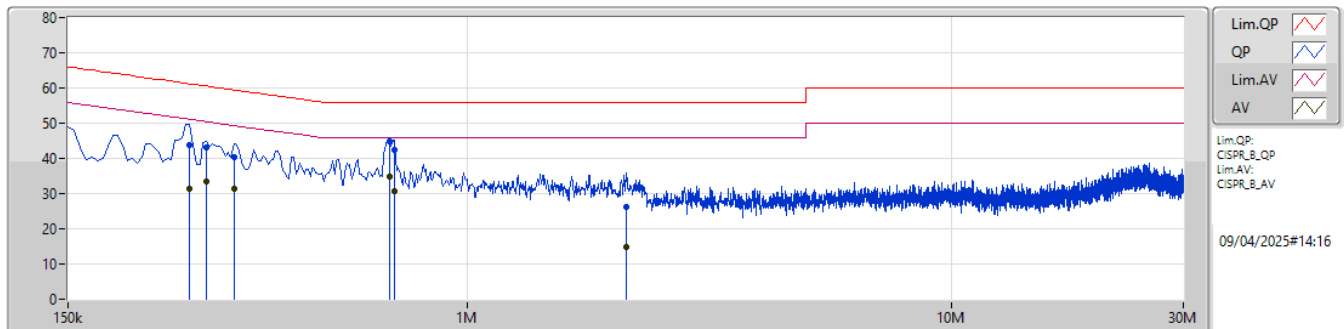
Conducted Emissions at Powerline

Appendix A

Summary

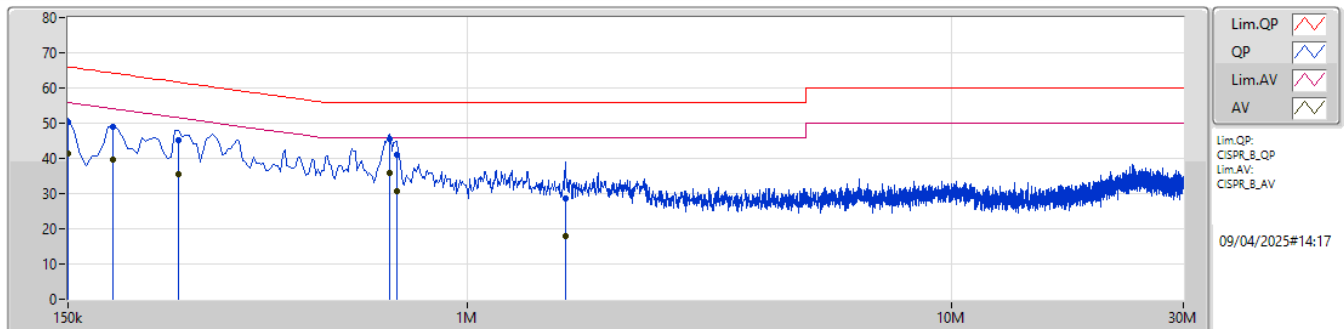
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	AV	690k	35.80	46.00	-10.20	Neutral

Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	267k	43.82	61.20	-17.38	10.12	Line	-	33.70	0.04	0.08	10.00						
AV	267k	31.46	51.20	-19.74	10.12	Line	-	21.34	0.04	0.08	10.00						
QP	289.5k	43.26	60.53	-17.27	10.15	Line	-	33.11	0.05	0.09	10.01						
AV	289.5k	33.55	50.53	-16.98	10.15	Line	-	23.40	0.05	0.09	10.01						
QP	330k	40.48	59.44	-18.96	10.17	Line	-	30.31	0.05	0.09	10.03						
AV	330k	31.29	49.44	-18.15	10.17	Line	-	21.12	0.05	0.09	10.03						
QP	690k	44.86	56.00	-11.14	10.27	Line	"Worst"	34.59	0.06	0.09	10.12						
AV	690k	34.82	46.00	-11.18	10.27	Line	-	24.55	0.06	0.09	10.12						
QP	708k	42.51	56.00	-13.49	10.27	Line	-	32.24	0.06	0.09	10.12						
AV	708k	30.58	46.00	-15.42	10.27	Line	-	20.31	0.06	0.09	10.12						
QP	2.126M	26.27	56.00	-29.73	10.18	Line	-	16.09	0.09	0.14	9.95						
AV	2.126M	14.90	46.00	-31.10	10.18	Line	-	4.72	0.09	0.14	9.95						

Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	150k	50.46	66.00	-15.54	10.05	Neutral	-	40.41	0.06	0.08	9.91						
AV	150k	41.34	56.00	-14.66	10.05	Neutral	-	31.29	0.06	0.08	9.91						
QP	186k	48.99	64.20	-15.21	10.07	Neutral	-	38.92	0.06	0.07	9.94						
AV	186k	39.56	54.20	-14.64	10.07	Neutral	-	29.49	0.06	0.07	9.94						
QP	253.5k	45.27	61.64	-16.37	10.13	Neutral	-	35.14	0.06	0.08	9.99						
AV	253.5k	35.48	51.64	-16.16	10.13	Neutral	-	25.35	0.06	0.08	9.99						
QP	690k	45.51	56.00	-10.49	10.28	Neutral	-	35.23	0.07	0.09	10.12						
AV	690k	35.80	46.00	-10.20	10.28	Neutral	"Worst"	25.52	0.07	0.09	10.12						
QP	717k	41.19	56.00	-14.81	10.28	Neutral	-	30.91	0.07	0.09	10.12						
AV	717k	30.77	46.00	-15.23	10.28	Neutral	-	20.49	0.07	0.09	10.12						
QP	1.595M	28.76	56.00	-27.24	10.23	Neutral	-	18.53	0.09	0.12	10.02						
AV	1.595M	17.87	46.00	-28.13	10.23	Neutral	-	7.64	0.09	0.12	10.02						

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.445M	26.97M	27M0D1D	14.52M	20.055M
802.11be EHT20-BF_Nss1,(MCS0)_2TX	19.14M	27.538M	27M5D1D	16.665M	20.031M
802.11be EHT40-BF_Nss1,(MCS0)_2TX	38.17M	60.771M	60M8D1D	36.85M	38.608M
802.11be EHT80-BF_Nss1,(MCS0)_2TX	78.1M	77.409M	77M4D1D	66.66M	77.354M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Min-OBW = Minimum 99% occupied bandwidth

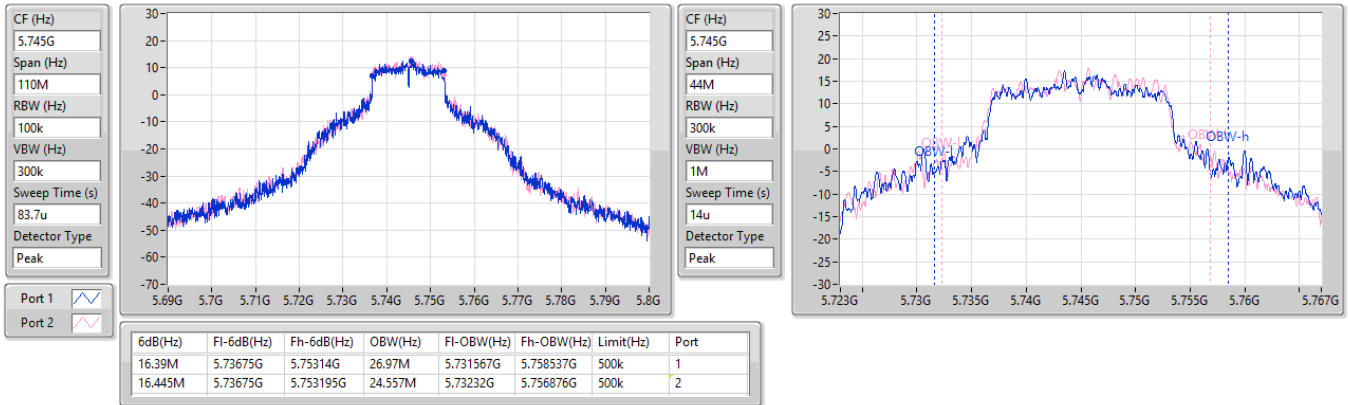
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5745MHz	Pass	500k	16.39M	26.97M	16.445M	24.557M
5785MHz	Pass	500k	16.445M	26.633M	16.335M	26.127M
5825MHz	Pass	500k	14.52M	20.055M	16.335M	25.493M
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5745MHz	Pass	500k	19.085M	25.527M	19.14M	25.586M
5785MHz	Pass	500k	19.085M	24.592M	19.03M	27.538M
5825MHz	Pass	500k	18.92M	20.031M	16.665M	25.831M
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5755MHz	Pass	500k	37.18M	38.608M	36.85M	38.822M
5795MHz	Pass	500k	38.06M	54.09M	38.17M	60.771M
802.11be EHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5775MHz	Pass	500k	66.66M	77.354M	78.1M	77.409M

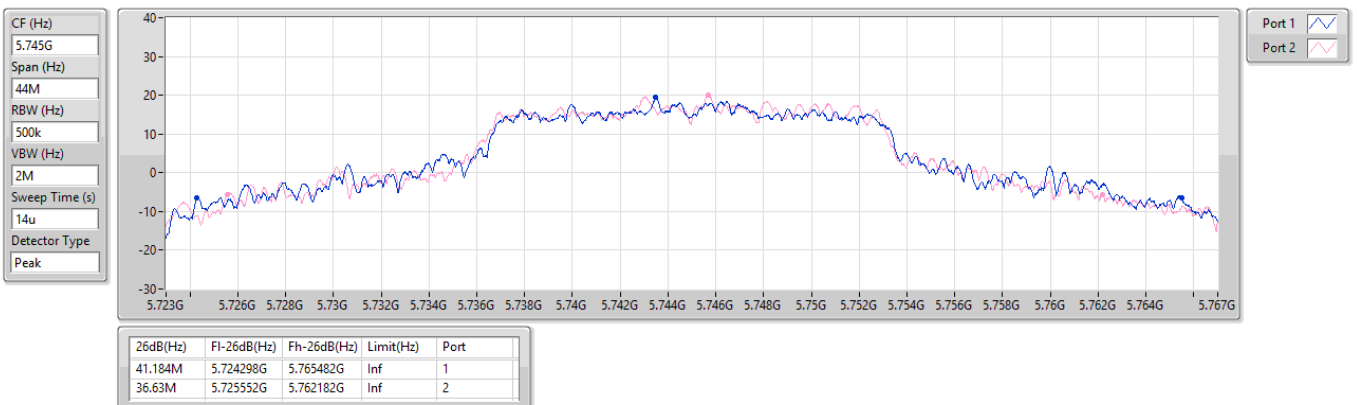
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5745MHz

08/10/2024


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5745MHz

08/10/2024

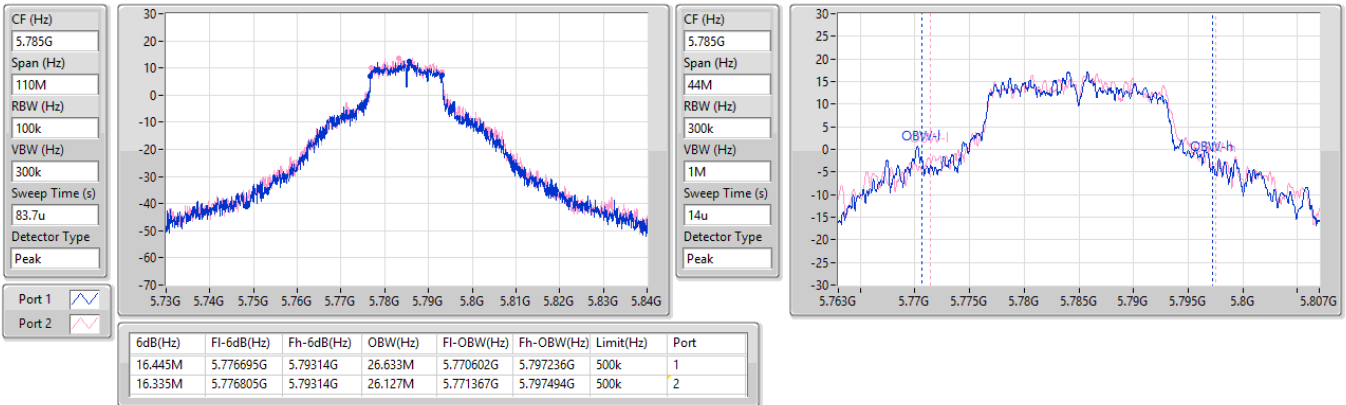


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5785MHz

08/10/2024

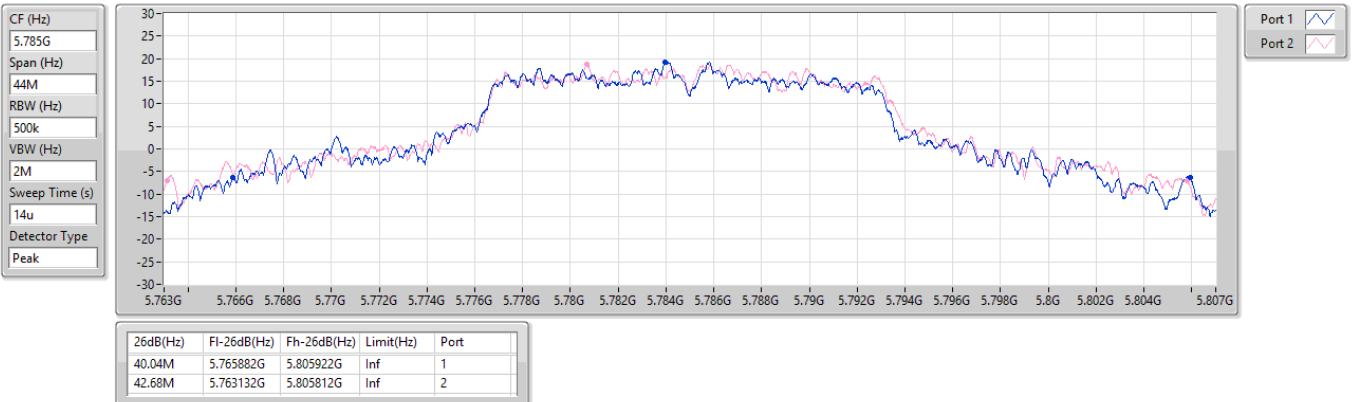


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5785MHz

08/10/2024

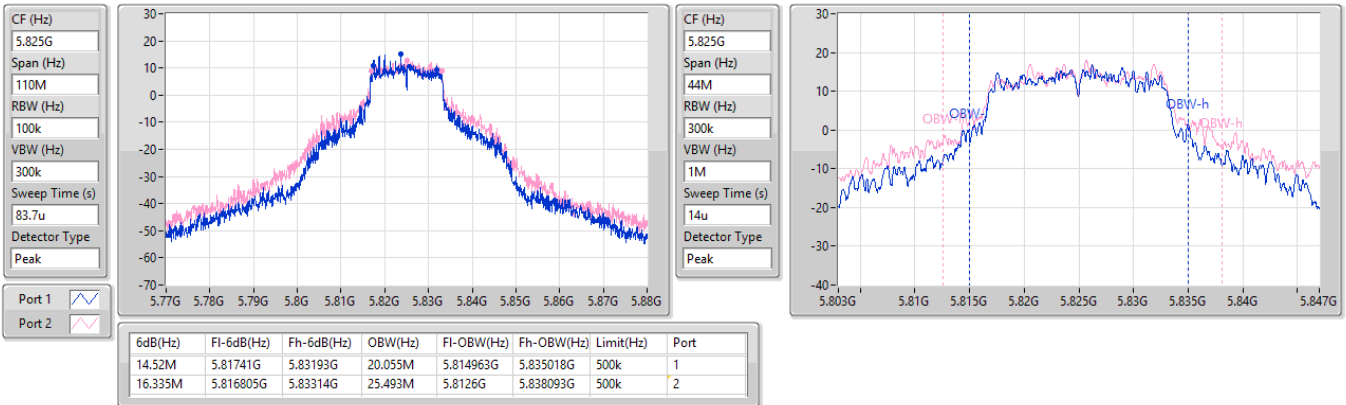


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5825MHz

08/10/2024

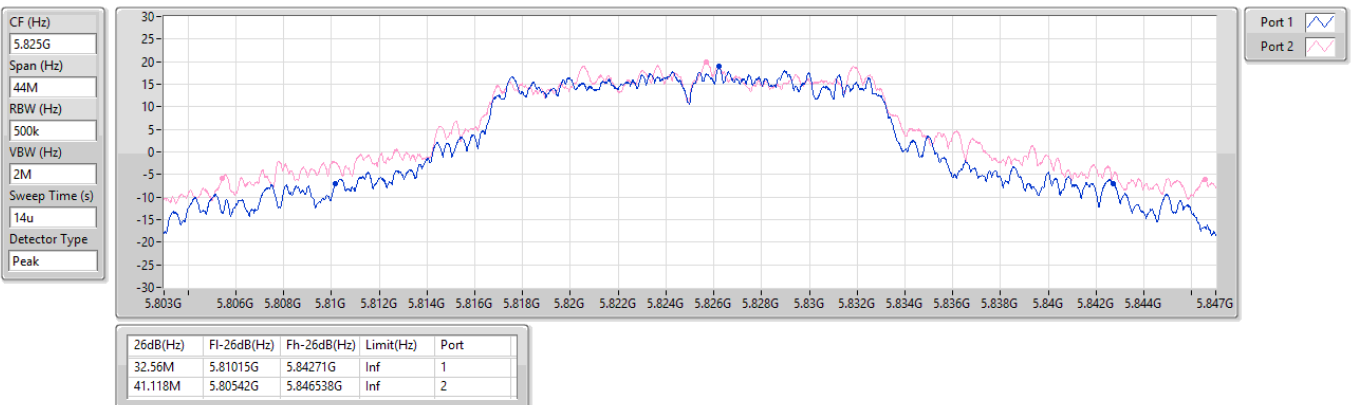


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5825MHz

08/10/2024

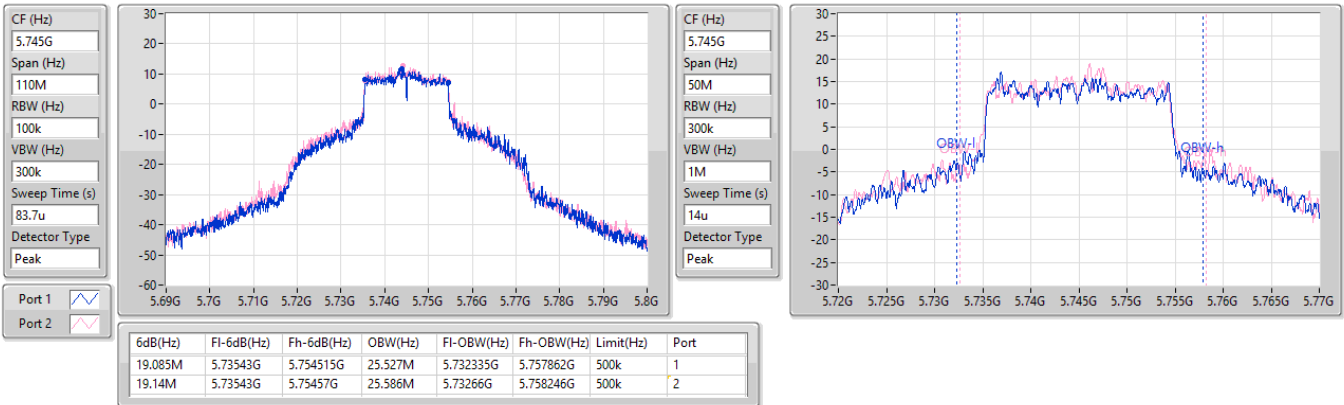


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_2TX

EBW

5745MHz

08/10/2024

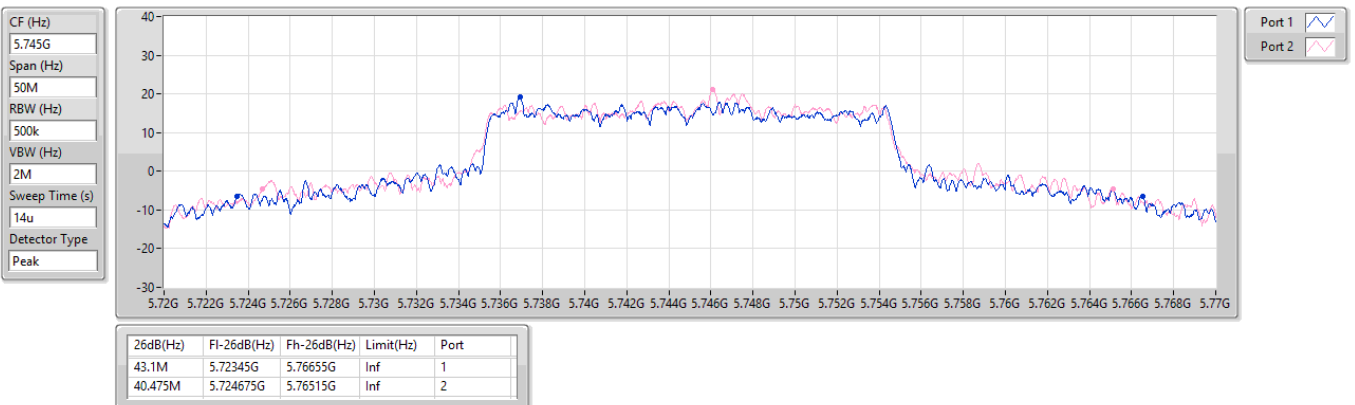


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_2TX

EBW

5745MHz

08/10/2024

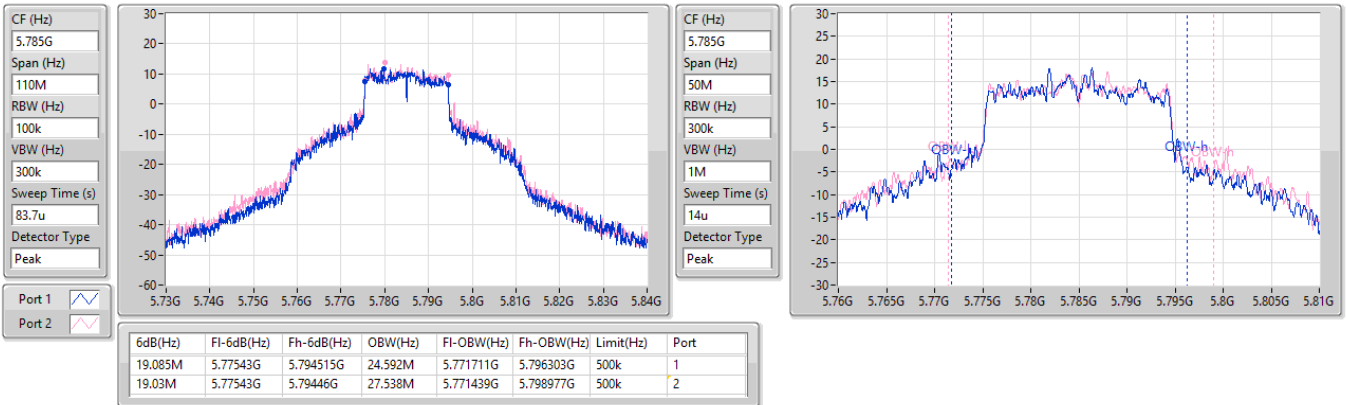


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_2TX

EBW

5785MHz

08/10/2024

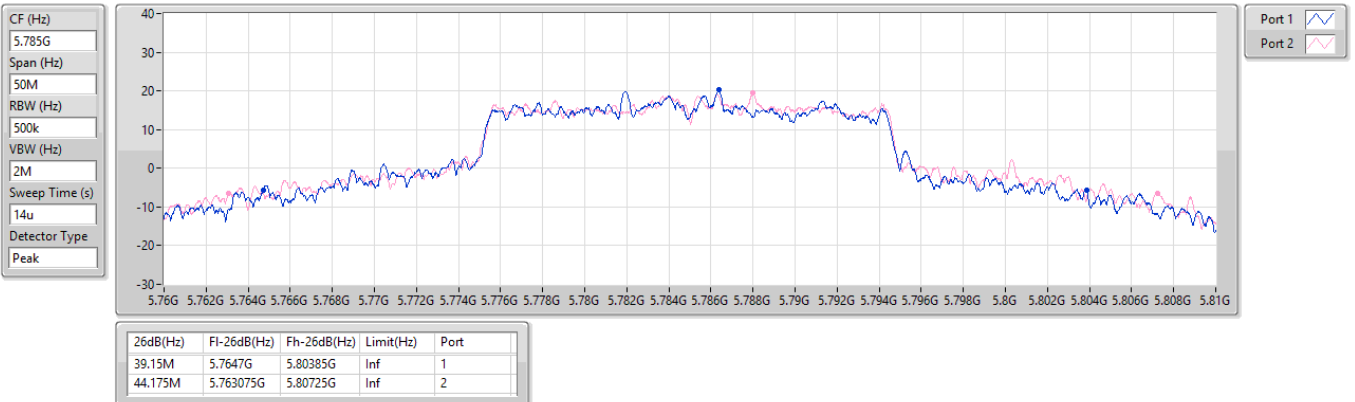


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_2TX

EBW

5785MHz

08/10/2024

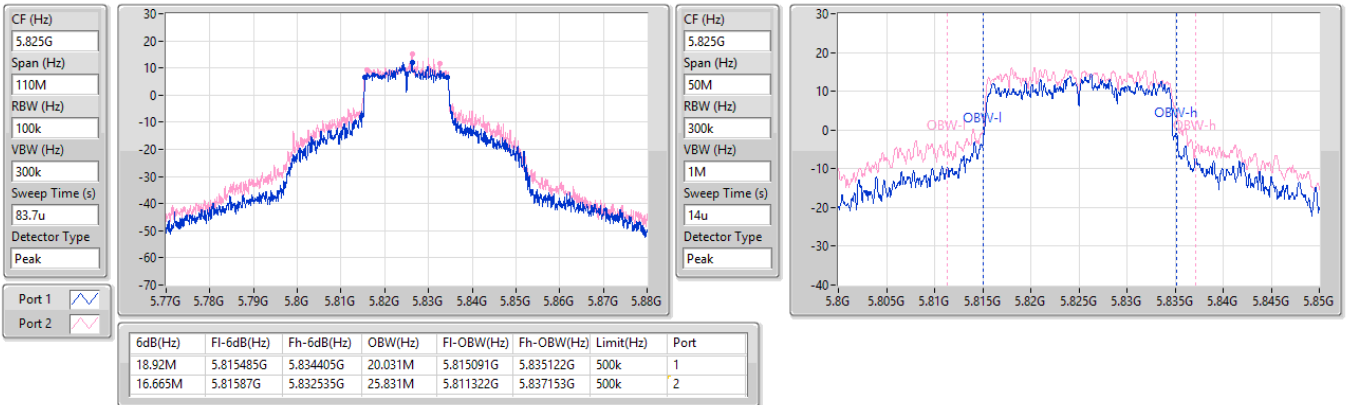


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_2TX

EBW

5825MHz

08/10/2024

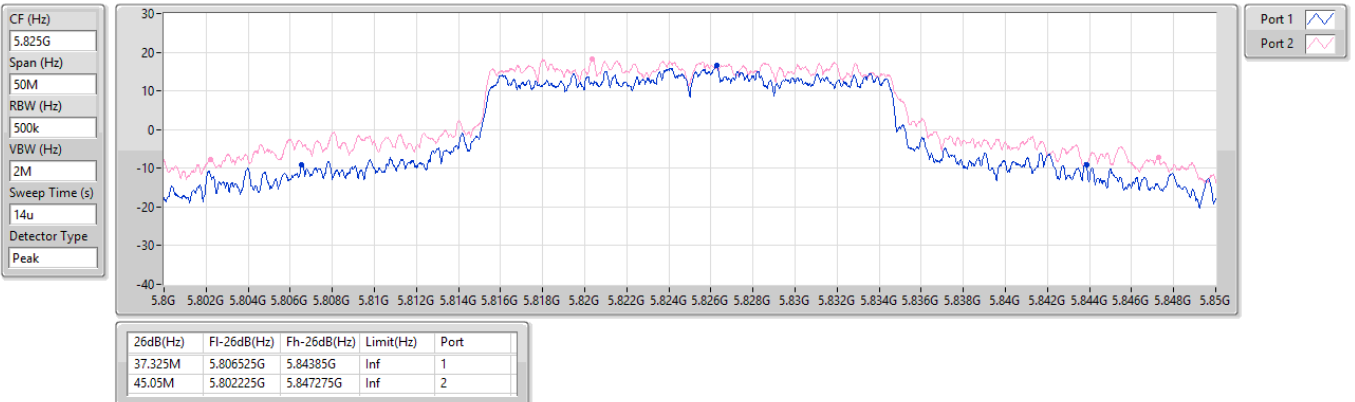


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_2TX

EBW

5825MHz

08/10/2024

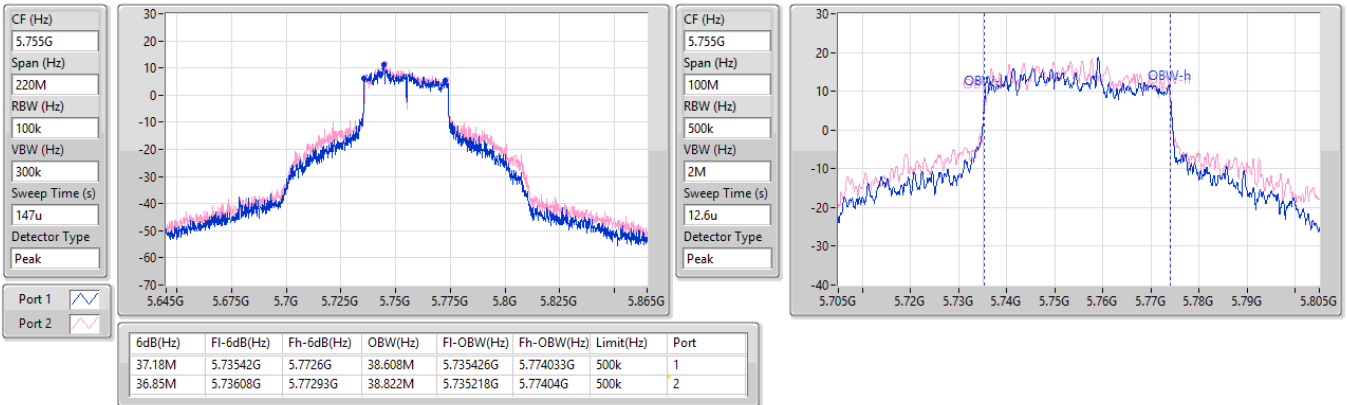


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_2TX

EBW

5755MHz

08/10/2024

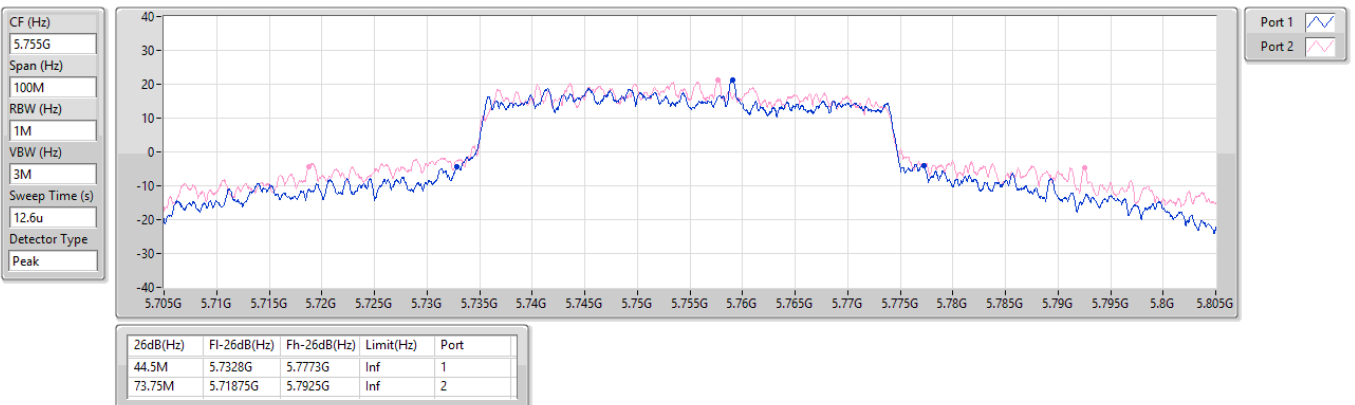


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_2TX

EBW

5755MHz

08/10/2024

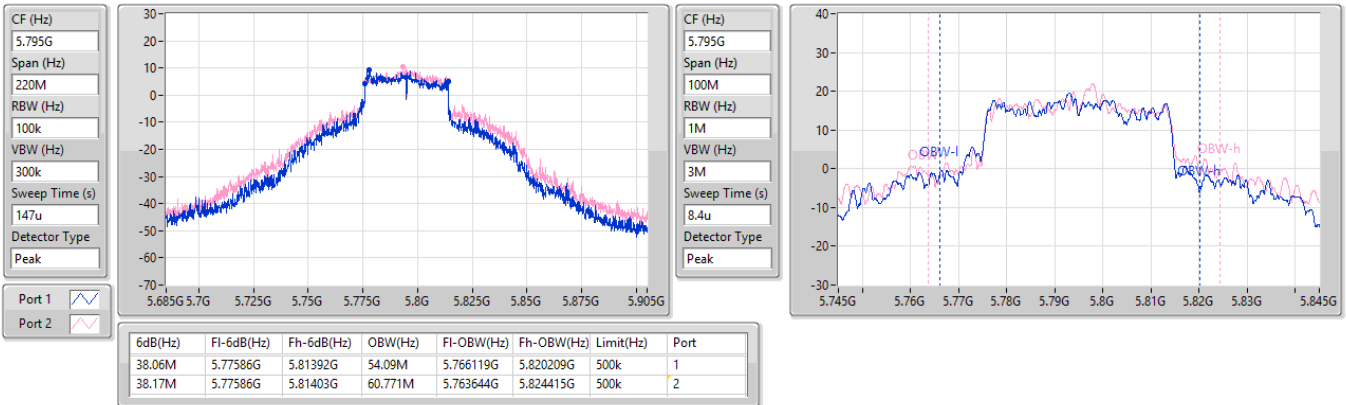


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_2TX

EBW

5795MHz

08/10/2024

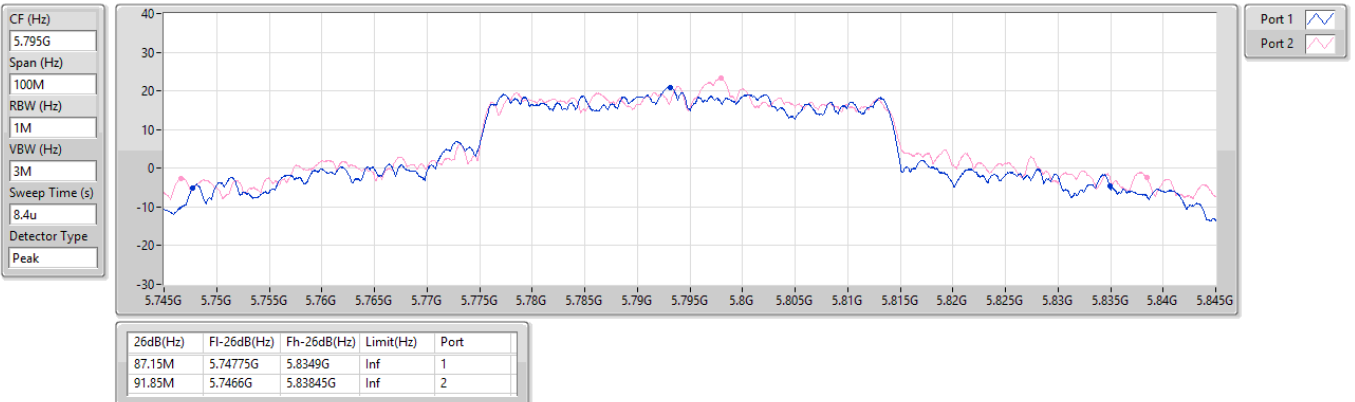


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_2TX

EBW

5795MHz

08/10/2024

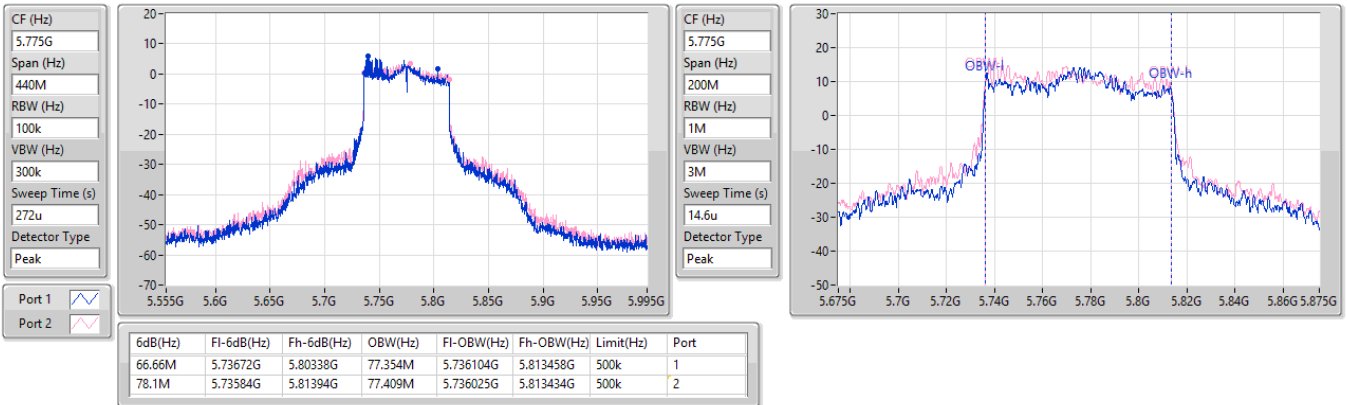


5.725-5.85GHz_802.11be EHT80-BF_Nss1,(MCS0)_2TX

EBW

5775MHz

08/10/2024

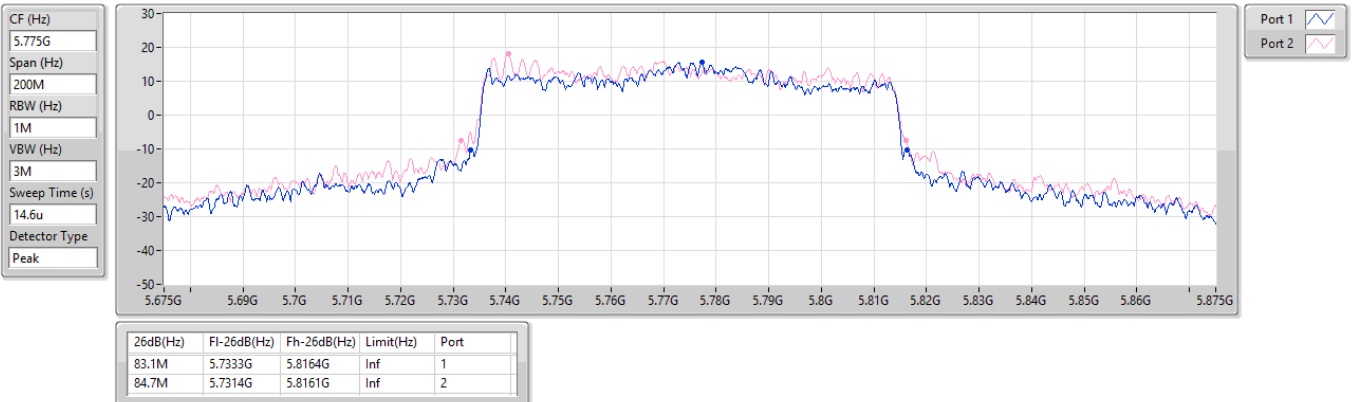


5.725-5.85GHz_802.11be EHT80-BF_Nss1,(MCS0)_2TX

EBW

5775MHz

08/10/2024





Average Power

Appendix C

Summary

Mode	Total Power (dBm)	Total Power (W)
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	29.64	0.92045
802.11be EHT20-BF_Nss1,(MCS0)_2TX	29.56	0.90365
802.11be EHT40-BF_Nss1,(MCS0)_2TX	29.00	0.79433
802.11be EHT80-BF_Nss1,(MCS0)_2TX	26.48	0.44463

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5745MHz	Pass	3.40	26.22	26.90	29.58	30.00
5785MHz	Pass	3.40	26.30	26.94	29.64	30.00
5825MHz	Pass	3.40	25.65	26.56	29.14	30.00
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5745MHz	Pass	6.31	26.16	26.85	29.53	29.69
5785MHz	Pass	6.31	26.20	26.87	29.56	29.69
5825MHz	Pass	6.31	25.58	26.63	29.15	29.69
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5755MHz	Pass	6.31	25.27	26.18	28.76	29.69
5795MHz	Pass	6.31	26.07	25.90	29.00	29.69
802.11be EHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5775MHz	Pass	6.31	23.10	23.81	26.48	29.69

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

Summary

Mode	PD (dBm/RBW)
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	16.42
802.11be EHT20-BF_Nss1,(MCS0)_2TX	15.46
802.11be EHT40-BF_Nss1,(MCS0)_2TX	11.71
802.11be EHT80-BF_Nss1,(MCS0)_2TX	6.45

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)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5745MHz	Pass	6.31	13.08	13.72	16.40	29.69
5785MHz	Pass	6.31	13.12	13.77	16.42	29.69
5825MHz	Pass	6.31	12.57	13.41	15.99	29.69
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5745MHz	Pass	6.31	12.30	12.57	15.44	29.69
5785MHz	Pass	6.31	12.46	12.58	15.46	29.69
5825MHz	Pass	6.31	11.86	12.30	14.99	29.69
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5755MHz	Pass	6.31	7.97	9.28	11.53	29.69
5795MHz	Pass	6.31	8.24	9.32	11.71	29.69
802.11be EHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5775MHz	Pass	6.31	3.25	3.80	6.45	29.69

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

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

PSD

5745MHz

08/10/2024

CF (Hz)
5.745G

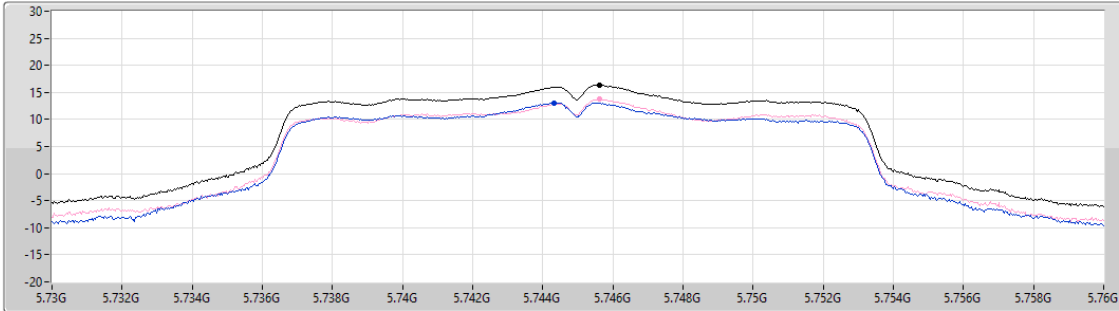
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
19.954

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
16.40	16.40	13.08	13.72

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

PSD

5785MHz

08/10/2024

CF (Hz)
5.785G

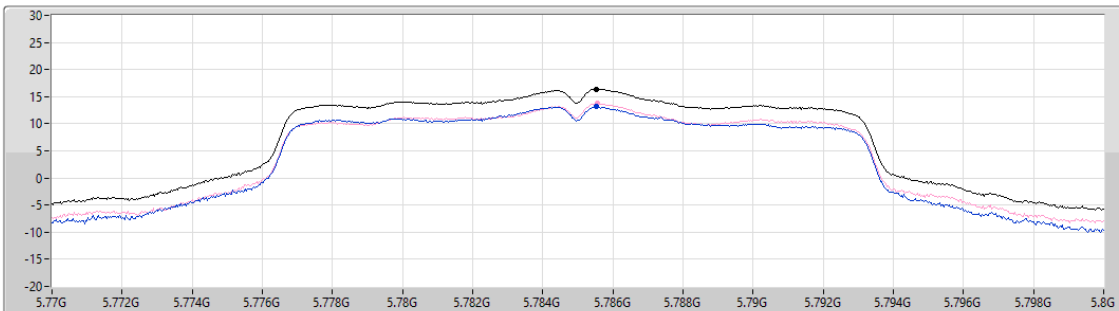
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
19.954

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
16.42	16.42	13.12	13.77

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

PSD

5825MHz

08/10/2024

CF (Hz)
5.825G

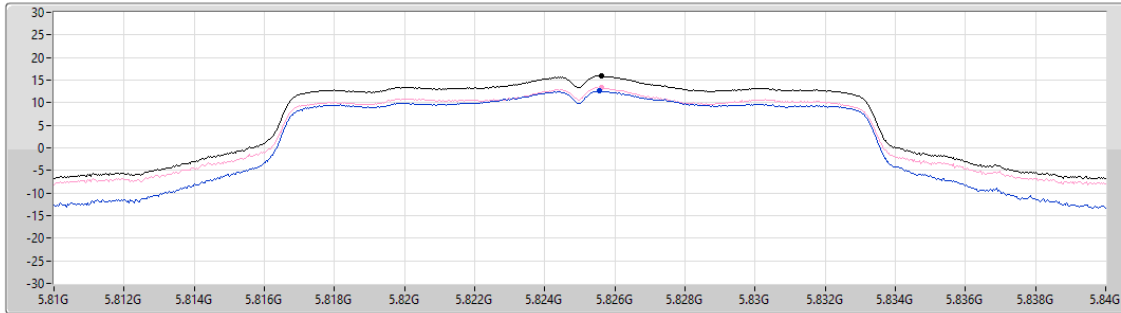
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
19.954

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
15.99	15.99	12.57	13.41

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

PSD

5745MHz

08/10/2024

CF (Hz)
5.745G

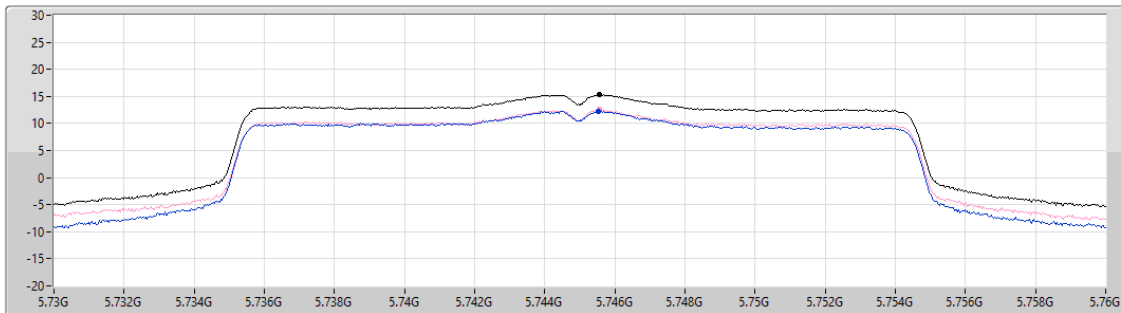
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
15.44	15.44	12.30	12.57

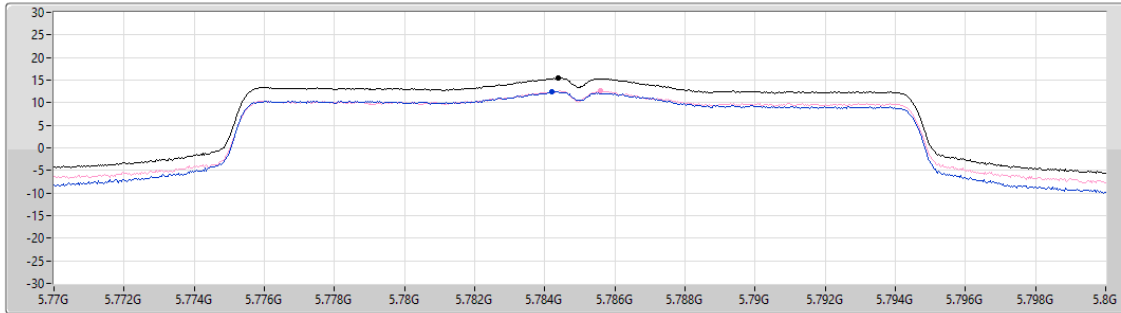
5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_2TX

PSD

5785MHz

08/10/2024

CF (Hz)
5.785G
Span (Hz)
30M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.46	15.46	12.46	12.58

Sum
Port 1
Port 2

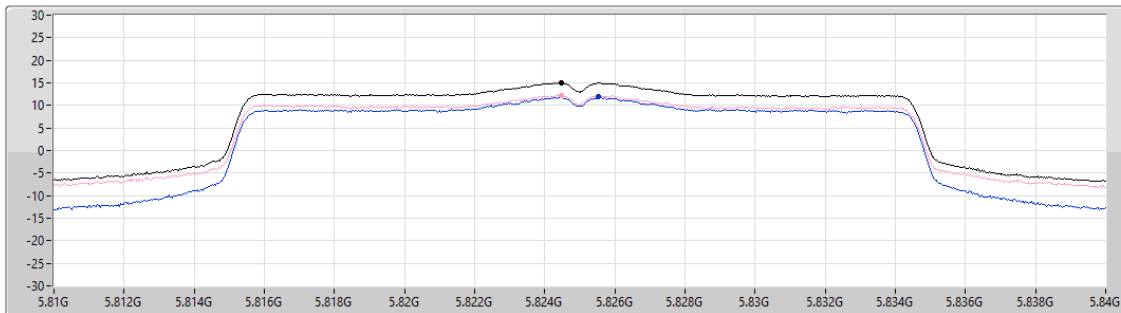
5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_2TX

PSD

5825MHz

08/10/2024

CF (Hz)
5.825G
Span (Hz)
30M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.99	14.99	11.86	12.30

Sum
Port 1
Port 2

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

PSD

5755MHz

08/10/2024

CF (Hz)
5.755G

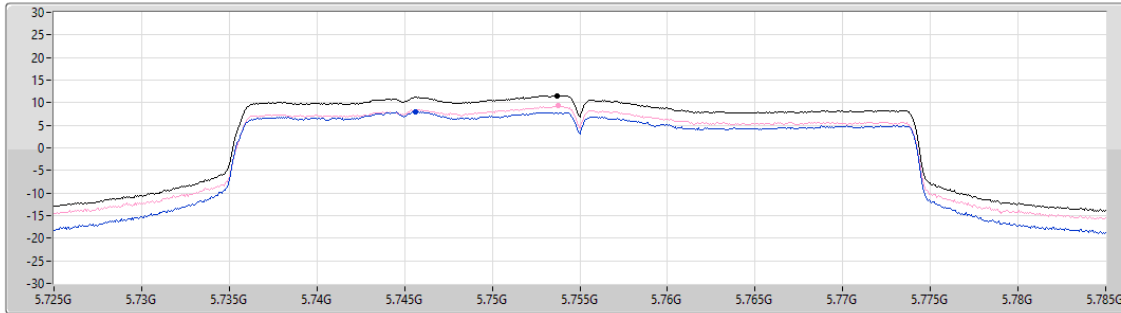
Span (Hz)
60M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.53	11.53	7.97	9.28

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

PSD

5795MHz

08/10/2024

CF (Hz)
5.795G

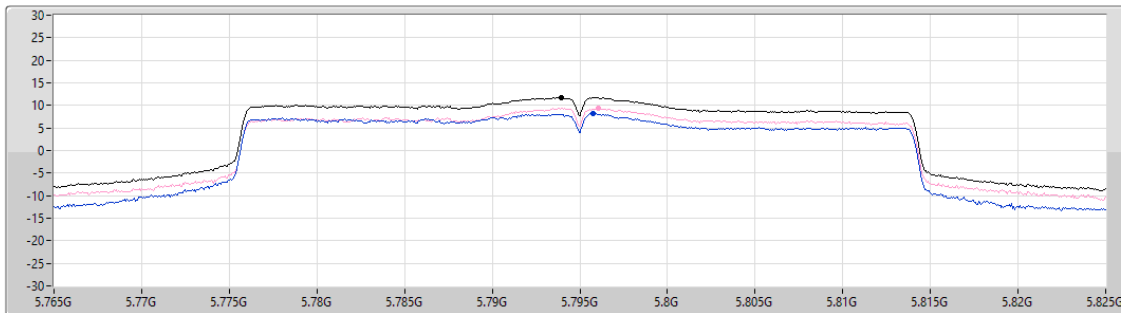
Span (Hz)
60M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.71	11.71	8.24	9.32

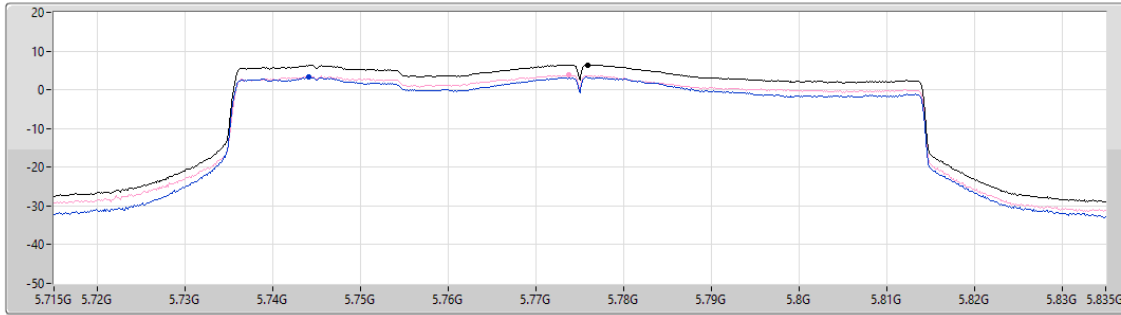
5.725-5.85GHz_802.11be EHT80-BF_Nss1,(MCS0)_2TX

PSD

5775MHz

08/10/2024

CF (Hz)
5.775G
Span (Hz)
120M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.45	6.45	3.25	3.80



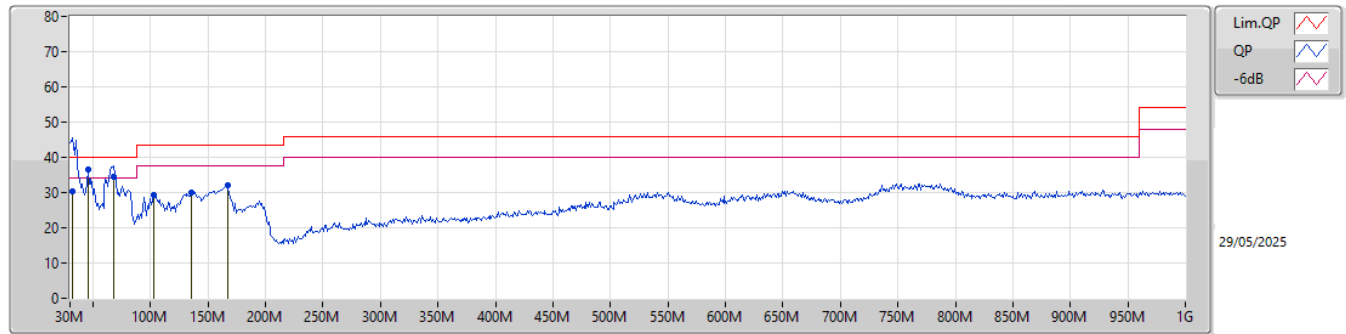
Radiated Emissions below 1GHz

Appendix E.1

Summary

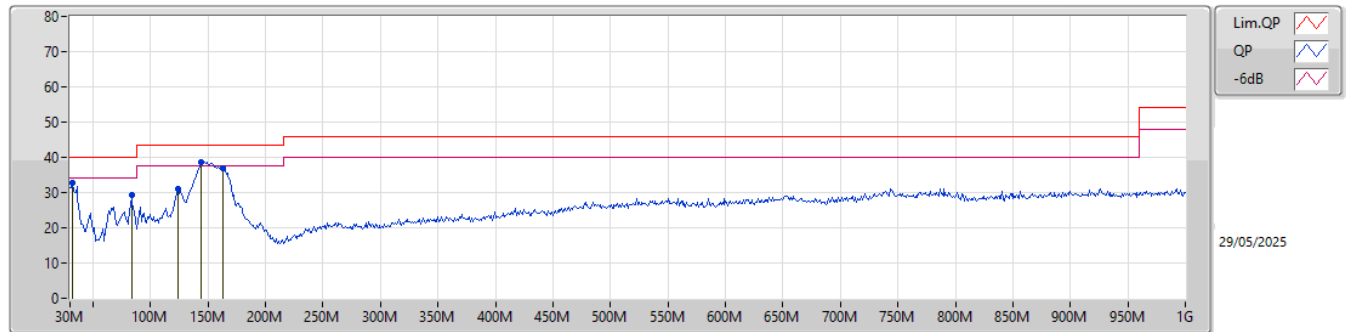
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	PK	45.52M	36.58	40.00	-3.42	Vertical

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
QP	31.94M	30.35	40.00	-9.65	-8.49	3	Vertical	344	2.00	-	38.84	23.27	0.55	32.31		
PK	45.52M	36.58	40.00	-3.42	-15.51	3	Vertical	357	3.00	"Worst"	52.09	16.07	0.67	32.25		
QP	67.83M	34.63	40.00	-5.37	-19.53	3	Vertical	147	2.00	-	54.16	12.11	0.82	32.46		
PK	102.75M	29.32	43.50	-14.18	-14.12	3	Vertical	280	1.00	-	43.44	16.97	1.02	32.11		
PK	135.73M	30.09	43.50	-13.41	-13.65	3	Vertical	295	1.00	-	43.74	17.49	1.15	32.29		
PK	166.77M	31.90	43.50	-11.60	-15.25	3	Vertical	135	1.00	-	47.15	15.67	1.28	32.20		

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	31.94M	32.71	40.00	-7.29	-8.49	3	Horizontal	236	1.00	-	41.20	23.27	0.55	32.31		
PK	83.35M	29.39	40.00	-10.61	-18.06	3	Horizontal	219	1.00	-	47.45	13.35	0.96	32.37		
PK	124.09M	30.92	43.50	-12.58	-13.27	3	Horizontal	98	3.00	-	44.19	17.90	1.06	32.23		
PK	124.09M	30.92	43.50	-12.58	-13.27	3	Horizontal	98	3.00	-	44.19	17.90	1.06	32.23		
PK	144.46M	38.59	43.50	-4.91	-14.29	3	Horizontal	263	2.00	"Worst"	52.88	16.81	1.20	32.30		
PK	162.89M	36.95	43.50	-6.55	-15.18	3	Horizontal	273	3.00	-	52.13	15.79	1.27	32.24		



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11be EHT80-BF_Nss1,(MCS0)_2TX	Pass	PK	5.6455G	66.61	68.20	-1.59	3	Vertical	3	1.76	-

Result

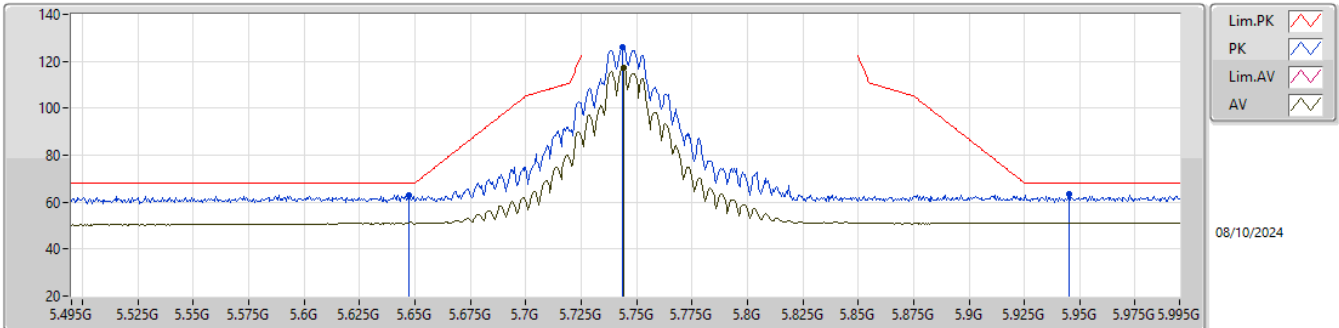
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1.(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	PK	5.6475G	63.16	68.20	-5.04	3	Vertical	169	1.96	-
5745MHz	Pass	PK	5.7435G	125.89	Inf	-Inf	3	Vertical	169	1.96	-
5745MHz	Pass	AV	5.744G	117.45	Inf	-Inf	3	Vertical	169	1.96	-
5745MHz	Pass	PK	5.945G	63.51	68.20	-4.69	3	Vertical	169	1.96	-
5745MHz	Pass	PK	5.6075G	62.23	68.20	-5.97	3	Horizontal	165	2.04	-
5745MHz	Pass	PK	5.744G	114.40	Inf	-Inf	3	Horizontal	165	2.04	-
5745MHz	Pass	AV	5.744G	105.96	Inf	-Inf	3	Horizontal	165	2.04	-
5745MHz	Pass	PK	5.9355G	62.50	68.20	-5.70	3	Horizontal	165	2.04	-
5745MHz	Pass	PK	11.49948G	59.16	74.00	-14.84	3	Vertical	164	1.80	-
5745MHz	Pass	AV	11.4984G	46.63	54.00	-7.37	3	Vertical	164	1.80	-
5745MHz	Pass	PK	17.23821G	59.68	68.20	-8.52	3	Vertical	138	2.64	-
5745MHz	Pass	PK	11.48577G	59.19	74.00	-14.81	3	Horizontal	166	1.01	-
5745MHz	Pass	AV	11.50227G	46.62	54.00	-7.38	3	Horizontal	166	1.01	-
5745MHz	Pass	PK	17.22825G	59.59	68.20	-8.61	3	Horizontal	46	1.74	-
5785MHz	Pass	PK	5.6445G	62.73	68.20	-5.47	3	Vertical	198	1.71	-
5785MHz	Pass	PK	5.7865G	124.81	Inf	-Inf	3	Vertical	198	1.71	-
5785MHz	Pass	AV	5.786G	116.26	Inf	-Inf	3	Vertical	198	1.71	-
5785MHz	Pass	PK	5.95G	63.59	68.20	-4.61	3	Vertical	198	1.71	-
5785MHz	Pass	PK	5.612G	62.17	68.20	-6.03	3	Horizontal	160	2.91	-
5785MHz	Pass	PK	5.7855G	114.13	Inf	-Inf	3	Horizontal	160	2.91	-
5785MHz	Pass	AV	5.786G	105.81	Inf	-Inf	3	Horizontal	160	2.91	-
5785MHz	Pass	PK	6.0335G	63.88	68.20	-4.32	3	Horizontal	160	2.91	-
5785MHz	Pass	PK	11.57323G	59.73	74.00	-14.27	3	Vertical	121	2.47	-
5785MHz	Pass	AV	11.57469G	46.66	54.00	-7.34	3	Vertical	121	2.47	-
5785MHz	Pass	PK	17.35682G	61.48	68.20	-6.72	3	Vertical	227	2.57	-
5785MHz	Pass	PK	11.57045G	59.84	74.00	-14.16	3	Horizontal	358	2.57	-
5785MHz	Pass	AV	11.57435G	46.62	54.00	-7.38	3	Horizontal	358	2.57	-
5785MHz	Pass	PK	17.35621G	61.31	68.20	-6.89	3	Horizontal	63	1.69	-
5825MHz	Pass	PK	5.639G	62.42	68.20	-5.78	3	Vertical	193	1.85	-
5825MHz	Pass	PK	5.8265G	124.72	Inf	-Inf	3	Vertical	193	1.85	-
5825MHz	Pass	AV	5.8265G	116.06	Inf	-Inf	3	Vertical	193	1.85	-
5825MHz	Pass	PK	6.029G	63.47	68.20	-4.73	3	Vertical	193	1.85	-
5825MHz	Pass	PK	5.6455G	62.32	68.20	-5.88	3	Horizontal	171	2.45	-
5825MHz	Pass	PK	5.8255G	115.65	Inf	-Inf	3	Horizontal	171	2.45	-
5825MHz	Pass	AV	5.8255G	107.24	Inf	-Inf	3	Horizontal	171	2.45	-
5825MHz	Pass	PK	6.0645G	63.25	68.20	-4.95	3	Horizontal	171	2.45	-
5825MHz	Pass	PK	11.65383G	59.34	74.00	-14.66	3	Vertical	227	1.97	-
5825MHz	Pass	AV	11.64811G	46.58	54.00	-7.42	3	Vertical	227	1.97	-
5825MHz	Pass	PK	17.4756G	62.76	68.20	-5.44	3	Vertical	263	2.86	-
5825MHz	Pass	PK	11.65087G	59.31	74.00	-14.69	3	Horizontal	196	2.54	-
5825MHz	Pass	AV	11.64879G	46.57	54.00	-7.43	3	Horizontal	196	2.54	-
5825MHz	Pass	PK	17.47609G	62.74	68.20	-5.46	3	Horizontal	273	2.27	-
802.11be EHT20-BF_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	PK	5.6345G	63.31	68.20	-4.89	3	Vertical	193	1.79	-
5745MHz	Pass	PK	5.7465G	124.19	Inf	-Inf	3	Vertical	193	1.79	-
5745MHz	Pass	AV	5.7455G	113.35	Inf	-Inf	3	Vertical	193	1.79	-
5745MHz	Pass	PK	5.983G	62.66	68.20	-5.54	3	Vertical	193	1.79	-
5745MHz	Pass	PK	5.519G	61.73	68.20	-6.47	3	Horizontal	188	2.85	-
5745MHz	Pass	PK	5.7445G	113.41	Inf	-Inf	3	Horizontal	188	2.85	-
5745MHz	Pass	AV	5.7445G	102.91	Inf	-Inf	3	Horizontal	188	2.85	-
5745MHz	Pass	PK	5.9865G	62.67	68.20	-5.53	3	Horizontal	188	2.85	-
5745MHz	Pass	PK	11.525G	58.34	74.00	-15.66	3	Vertical	167	1.86	-
5745MHz	Pass	AV	11.489G	46.59	54.00	-7.41	3	Vertical	167	1.86	-
5745MHz	Pass	PK	17.387G	61.93	68.20	-6.27	3	Vertical	271	1.00	-
5745MHz	Pass	PK	11.476G	58.79	74.00	-15.21	3	Horizontal	280	2.91	-
5745MHz	Pass	AV	11.564G	46.51	54.00	-7.49	3	Horizontal	280	2.91	-
5745MHz	Pass	PK	17.454G	62.95	68.20	-5.25	3	Horizontal	95	1.03	-
5785MHz	Pass	PK	5.6395G	62.61	68.20	-5.59	3	Vertical	134	1.80	-
5785MHz	Pass	PK	5.7845G	122.48	Inf	-Inf	3	Vertical	134	1.80	-
5785MHz	Pass	AV	5.784G	112.92	Inf	-Inf	3	Vertical	134	1.80	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5785MHz	Pass	PK	5.9665G	63.40	68.20	-4.80	3	Vertical	134	1.80	-
5785MHz	Pass	PK	5.587G	62.66	68.20	-5.54	3	Horizontal	164	2.56	-
5785MHz	Pass	PK	5.7855G	112.24	Inf	-Inf	3	Horizontal	164	2.56	-
5785MHz	Pass	AV	5.7855G	102.64	Inf	-Inf	3	Horizontal	164	2.56	-
5785MHz	Pass	PK	6.0245G	63.76	68.20	-4.44	3	Horizontal	164	2.56	-
5785MHz	Pass	PK	11.57556G	59.22	74.00	-14.78	3	Vertical	108	1.97	-
5785MHz	Pass	AV	11.57256G	46.92	54.00	-7.08	3	Vertical	108	1.97	-
5785MHz	Pass	PK	17.3547G	61.03	68.20	-7.17	3	Vertical	103	1.93	-
5785MHz	Pass	PK	11.5795G	59.67	74.00	-14.33	3	Horizontal	171	1.89	-
5785MHz	Pass	AV	11.57002G	46.91	54.00	-7.09	3	Horizontal	171	1.89	-
5785MHz	Pass	PK	17.35948G	60.75	68.20	-7.45	3	Horizontal	89	1.52	-
5825MHz	Pass	PK	5.6375G	62.48	68.20	-5.72	3	Vertical	132	1.78	-
5825MHz	Pass	PK	5.8245G	123.29	Inf	-Inf	3	Vertical	132	1.78	-
5825MHz	Pass	AV	5.8255G	112.93	Inf	-Inf	3	Vertical	132	1.78	-
5825MHz	Pass	PK	5.984G	63.12	68.20	-5.08	3	Vertical	132	1.78	-
5825MHz	Pass	PK	5.6215G	61.79	68.20	-6.41	3	Horizontal	191	2.91	-
5825MHz	Pass	PK	5.826G	112.96	Inf	-Inf	3	Horizontal	191	2.91	-
5825MHz	Pass	AV	5.8245G	103.15	Inf	-Inf	3	Horizontal	191	2.91	-
5825MHz	Pass	PK	6.0345G	62.85	68.20	-5.35	3	Horizontal	191	2.91	-
5825MHz	Pass	PK	11.65128G	58.87	74.00	-15.13	3	Vertical	198	2.46	-
5825MHz	Pass	AV	11.6522G	47.04	54.00	-6.96	3	Vertical	198	2.46	-
5825MHz	Pass	PK	17.47112G	62.73	68.20	-5.47	3	Vertical	121	2.48	-
5825MHz	Pass	PK	11.64382G	59.23	74.00	-14.77	3	Horizontal	115	2.27	-
5825MHz	Pass	AV	11.64812G	47.12	54.00	-6.88	3	Horizontal	115	2.27	-
5825MHz	Pass	PK	17.47454G	62.67	68.20	-5.53	3	Horizontal	280	2.71	-
802.11be EHT40-BF_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5755MHz	Pass	PK	5.648G	66.24	68.20	-1.96	3	Vertical	194	1.80	-
5755MHz	Pass	PK	5.7565G	120.46	Inf	-Inf	3	Vertical	194	1.80	-
5755MHz	Pass	AV	5.747G	112.00	Inf	-Inf	3	Vertical	194	1.80	-
5755MHz	Pass	PK	5.964G	62.96	68.20	-5.24	3	Vertical	194	1.80	-
5755MHz	Pass	PK	5.648G	62.12	68.20	-6.08	3	Horizontal	169	2.79	-
5755MHz	Pass	PK	5.756G	111.09	Inf	-Inf	3	Horizontal	169	2.79	-
5755MHz	Pass	AV	5.756G	99.37	Inf	-Inf	3	Horizontal	169	2.79	-
5755MHz	Pass	PK	5.97G	63.31	68.20	-4.89	3	Horizontal	169	2.79	-
5755MHz	Pass	PK	11.50328G	58.55	74.00	-15.45	3	Vertical	78	1.97	-
5755MHz	Pass	AV	11.51438G	46.45	54.00	-7.55	3	Vertical	78	1.97	-
5755MHz	Pass	PK	17.26272G	59.42	68.20	-8.78	3	Vertical	3	2.37	-
5755MHz	Pass	PK	11.50676G	59.10	74.00	-14.90	3	Horizontal	250	2.90	-
5755MHz	Pass	AV	11.51026G	46.58	54.00	-7.42	3	Horizontal	250	2.90	-
5755MHz	Pass	PK	17.27422G	59.35	68.20	-8.85	3	Horizontal	26	2.32	-
5795MHz	Pass	PK	5.564G	63.69	68.20	-4.51	3	Vertical	207	1.77	-
5795MHz	Pass	PK	5.794G	119.70	Inf	-Inf	3	Vertical	207	1.77	-
5795MHz	Pass	AV	5.786G	112.46	Inf	-Inf	3	Vertical	207	1.77	-
5795MHz	Pass	PK	6.018G	63.84	68.20	-4.36	3	Vertical	207	1.77	-
5795MHz	Pass	PK	5.636G	62.17	68.20	-6.03	3	Horizontal	187	2.90	-
5795MHz	Pass	PK	5.793G	111.65	Inf	-Inf	3	Horizontal	187	2.90	-
5795MHz	Pass	AV	5.7855G	101.97	Inf	-Inf	3	Horizontal	187	2.90	-
5795MHz	Pass	PK	5.9285G	63.83	68.20	-4.37	3	Horizontal	187	2.90	-
5795MHz	Pass	PK	11.58252G	59.89	74.00	-14.11	3	Vertical	274	1.01	-
5795MHz	Pass	AV	11.58816G	47.50	54.00	-6.50	3	Vertical	274	1.01	-
5795MHz	Pass	PK	17.3924G	61.32	68.20	-6.88	3	Vertical	222	2.53	-
5795MHz	Pass	PK	11.58022G	59.15	74.00	-14.85	3	Horizontal	314	2.96	-
5795MHz	Pass	AV	11.59644G	46.62	54.00	-7.38	3	Horizontal	314	2.96	-
5795MHz	Pass	PK	17.37616G	60.69	68.20	-7.51	3	Horizontal	197	2.76	-
802.11be EHT80-BF_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	5.6455G	66.61	68.20	-1.59	3	Vertical	3	1.76	-
5775MHz	Pass	PK	5.779G	115.48	Inf	-Inf	3	Vertical	3	1.76	-
5775MHz	Pass	AV	5.7485G	106.81	Inf	-Inf	3	Vertical	3	1.76	-
5775MHz	Pass	PK	5.9395G	63.57	68.20	-4.63	3	Vertical	3	1.76	-
5775MHz	Pass	PK	5.6495G	63.30	68.20	-4.90	3	Horizontal	53	3.00	-
5775MHz	Pass	PK	5.7375G	104.85	Inf	-Inf	3	Horizontal	53	3.00	-
5775MHz	Pass	AV	5.7455G	99.26	Inf	-Inf	3	Horizontal	53	3.00	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5775MHz	Pass	PK	6.006G	63.19	68.20	-5.01	3	Horizontal	53	3.00	-
5775MHz	Pass	PK	11.557G	58.76	74.00	-15.24	3	Vertical	71	2.68	-
5775MHz	Pass	AV	11.55154G	46.43	54.00	-7.57	3	Vertical	71	2.68	-
5775MHz	Pass	PK	17.3322G	61.10	68.20	-7.10	3	Vertical	33	1.32	-
5775MHz	Pass	PK	11.5475G	58.44	74.00	-15.56	3	Horizontal	246	2.07	-
5775MHz	Pass	AV	11.55784G	46.50	54.00	-7.50	3	Horizontal	246	2.07	-
5775MHz	Pass	PK	17.3324G	60.91	68.20	-7.29	3	Horizontal	193	1.81	-

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

5745MHz_TX

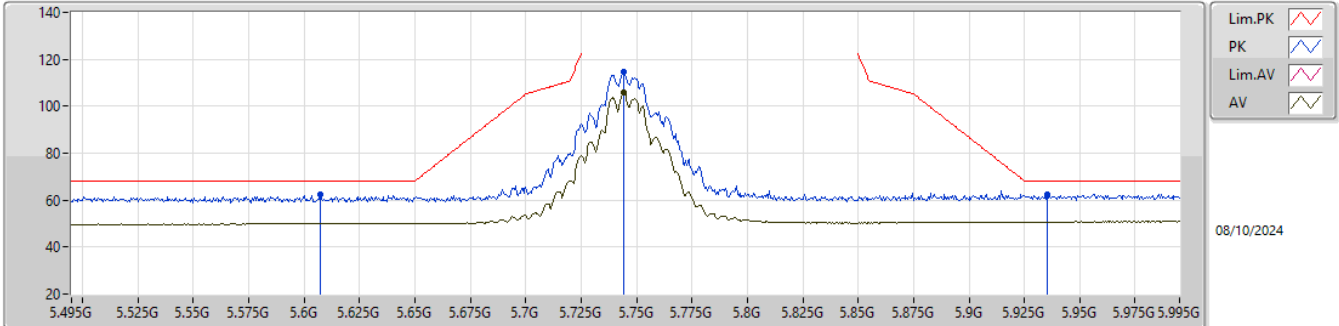


EUT_Y_2TX
Setting 25
02-A-G-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.6475G	63.16	68.20	-5.04	52.19	3	Vertical	169	1.96	-	34.00	7.66	30.69			
PK	5.7435G	125.89	Inf	-Inf	114.81	3	Vertical	169	1.96	-	34.00	7.75	30.67			
AV	5.744G	117.45	Inf	-Inf	106.37	3	Vertical	169	1.96	-	34.00	7.75	30.67			
PK	5.945G	63.51	68.20	-4.69	52.04	3	Vertical	169	1.96	-	34.20	7.89	30.62			

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

5745MHz_TX

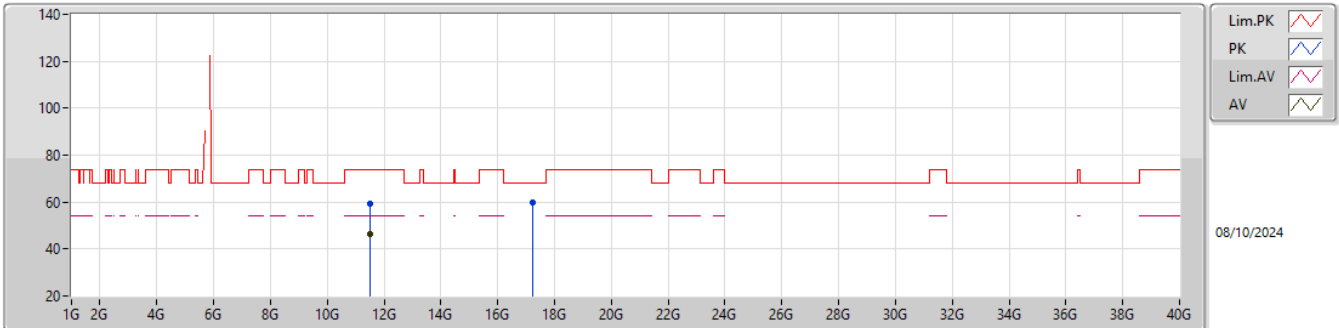


EUT_Y_2TX
Setting 25
02-A-G-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.6075G	62.23	68.20	-5.97	51.30	3	Horizontal	165	2.04	-	34.00	7.63	30.70			
PK	5.744G	114.40	Inf	-Inf	103.32	3	Horizontal	165	2.04	-	34.00	7.75	30.67			
AV	5.744G	105.96	Inf	-Inf	94.88	3	Horizontal	165	2.04	-	34.00	7.75	30.67			
PK	5.9355G	62.50	68.20	-5.70	51.04	3	Horizontal	165	2.04	-	34.20	7.89	30.63			

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

5745MHz_TX

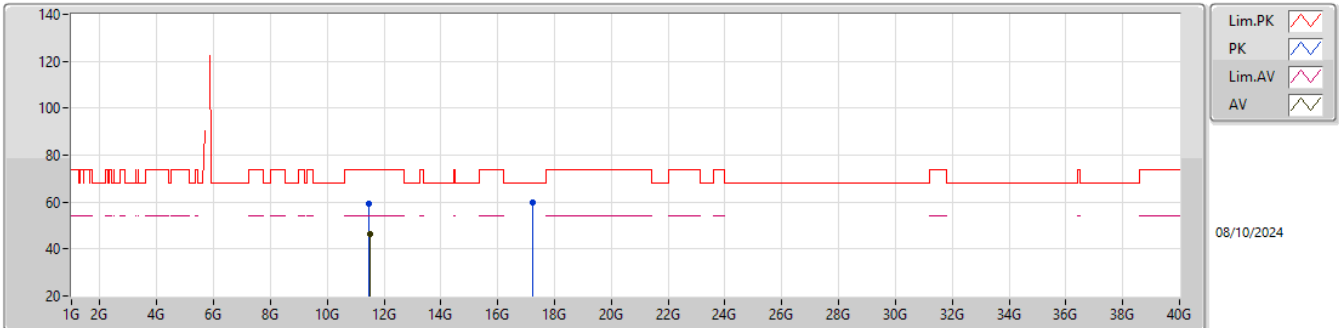


EUT_Y_2TX
Setting 25
02-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.49948G	59.16	74.00	-14.84	39.11	3	Vertical	164	1.80	-	39.00	11.76	30.71			
AV	11.4984G	46.63	54.00	-7.37	26.58	3	Vertical	164	1.80	-	39.00	11.76	30.71			
PK	17.23821G	59.68	68.20	-8.52	37.20	3	Vertical	138	2.64	-	42.23	12.46	32.21			

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

5745MHz_TX

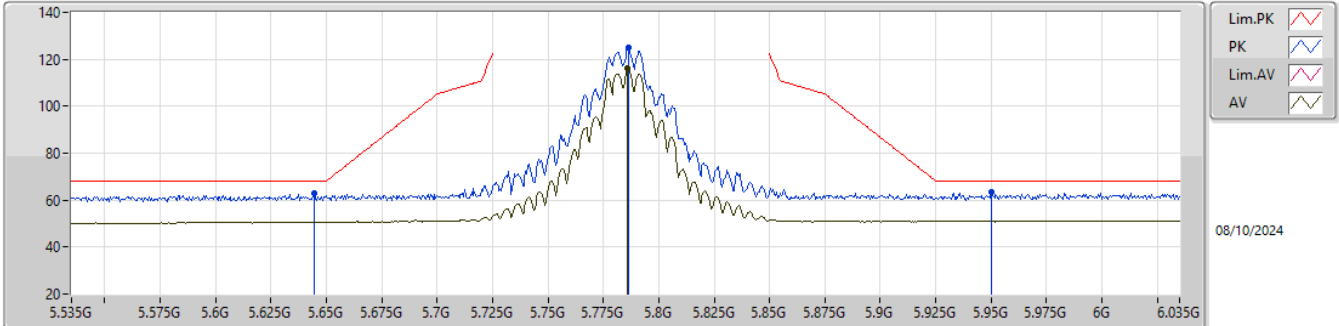


EUT_Y_2TX
Setting 25
02-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.485777G	59.19	74.00	-14.81	39.17	3	Horizontal	166	1.01	-	38.97	11.75	30.70			
AV	11.50227G	46.62	54.00	-7.38	26.57	3	Horizontal	166	1.01	-	39.00	11.76	30.71			
PK	17.22825G	59.59	68.20	-8.61	37.17	3	Horizontal	46	1.74	-	42.17	12.45	32.20			

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

5785MHz_TX

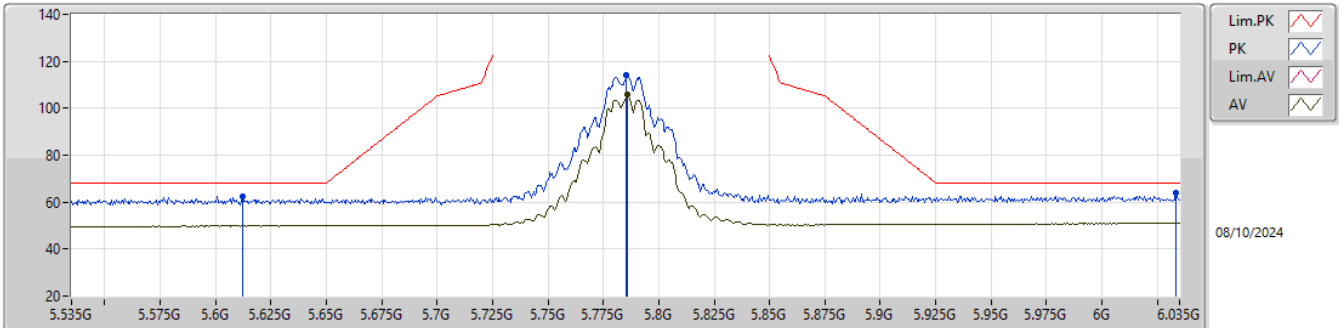


EUT Y_2TX
Setting 25
02-A-G-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.6445G	62.73	68.20	-5.47	51.77	3	Vertical	198	1.71	-	34.00	7.66	30.70			
PK	5.7865G	124.81	Inf	-Inf	113.61	3	Vertical	198	1.71	-	34.07	7.79	30.66			
AV	5.786G	116.26	Inf	-Inf	105.06	3	Vertical	198	1.71	-	34.07	7.79	30.66			
PK	5.95G	63.59	68.20	-4.61	52.11	3	Vertical	198	1.71	-	34.20	7.90	30.62			

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

5785MHz_TX

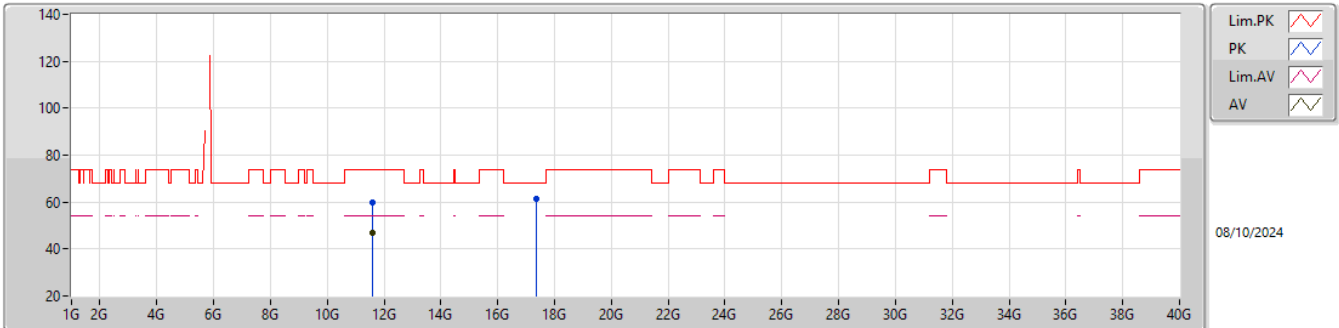


EUT_Y_2TX
Setting 25
02-A-G-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	5.612G	62.17	68.20	-6.03	51.24	3	Horizontal	160	2.91	-	34.00	7.63	30.70				
PK	5.785G	114.13	Inf	-Inf	102.93	3	Horizontal	160	2.91	-	34.07	7.79	30.66				
AV	5.786G	105.81	Inf	-Inf	94.61	3	Horizontal	160	2.91	-	34.07	7.79	30.66				
PK	6.033G	63.88	68.20	-4.32	52.25	3	Horizontal	160	2.91	-	34.30	7.98	30.65				

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

5785MHz_TX

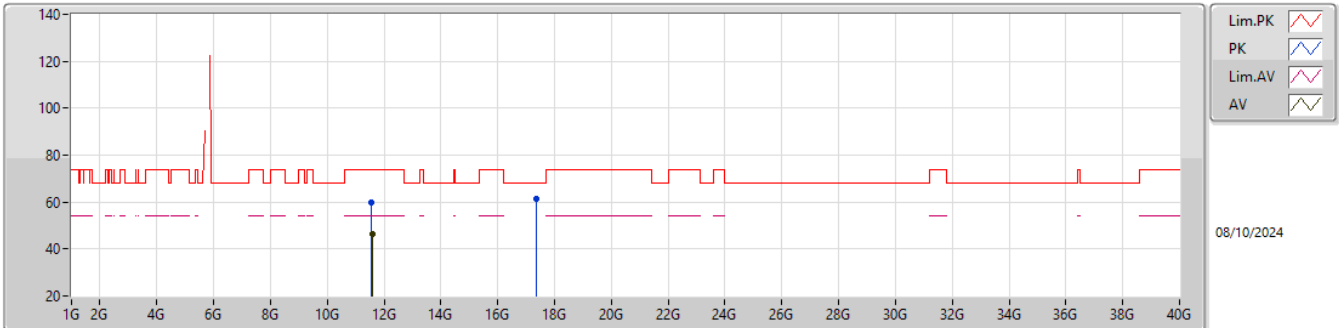


EUT_Y_2TX
Setting 25
02-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.57323G	59.73	74.00	-14.27	39.50	3	Vertical	121	2.47	-	39.19	11.81	30.77			
AV	11.57469G	46.66	54.00	-7.34	26.42	3	Vertical	121	2.47	-	39.20	11.81	30.77			
PK	17.35682G	61.48	68.20	-6.72	38.18	3	Vertical	227	2.57	-	43.04	12.51	32.25			

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

5785MHz_TX

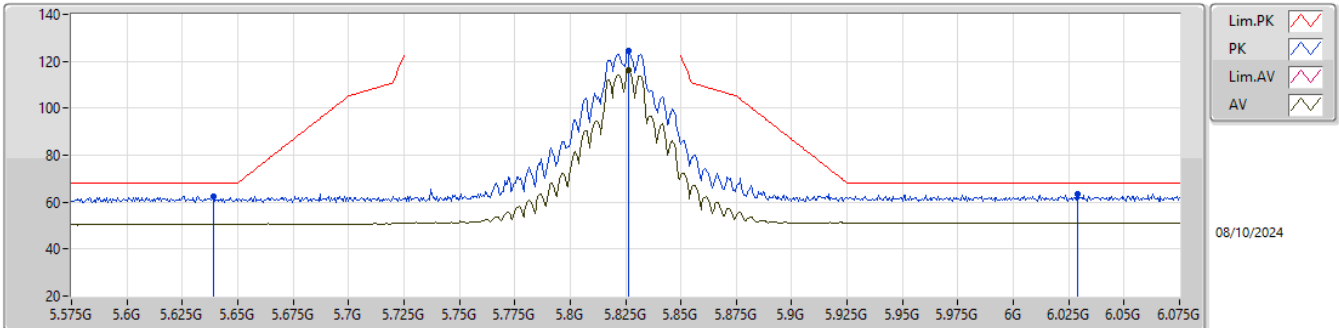


EUT_Y_2TX
Setting 25
02-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.57045G	59.84	74.00	-14.16	39.62	3	Horizontal	358	2.57	-	39.18	11.81	30.77			
AV	11.57435G	46.62	54.00	-7.38	26.38	3	Horizontal	358	2.57	-	39.20	11.81	30.77			
PK	17.35621G	61.31	68.20	-6.89	38.01	3	Horizontal	63	1.69	-	43.04	12.51	32.25			

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

5825MHz_TX

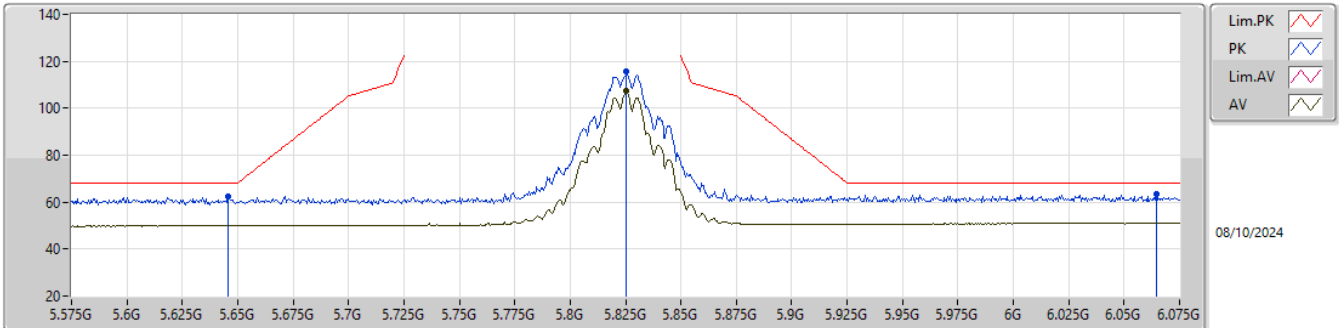


EUT Y_2TX
Setting 25
02-A-G-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.639G	62.42	68.20	-5.78	51.46	3	Vertical	193	1.85	-	34.00	7.66	30.70			
PK	5.8265G	124.72	Inf	-Inf	113.50	3	Vertical	193	1.85	-	34.05	7.82	30.65			
AV	5.8265G	116.06	Inf	-Inf	104.84	3	Vertical	193	1.85	-	34.05	7.82	30.65			
PK	6.029G	63.47	68.20	-4.73	51.84	3	Vertical	193	1.85	-	34.30	7.97	30.64			

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

5825MHz_TX

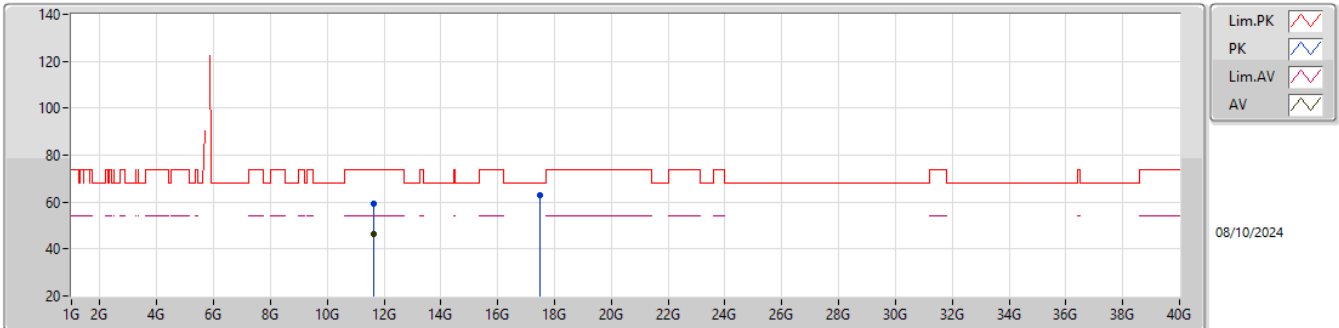


EUT_Y_2TX
Setting 25
02-A-G-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.6455G	62.32	68.20	-5.88	51.36	3	Horizontal	171	2.45	-	34.00	7.66	30.70			
PK	5.8255G	115.65	Inf	-Inf	104.43	3	Horizontal	171	2.45	-	34.05	7.82	30.65			
AV	5.8255G	107.24	Inf	-Inf	96.02	3	Horizontal	171	2.45	-	34.05	7.82	30.65			
PK	6.0645G	63.25	68.20	-4.95	51.54	3	Horizontal	171	2.45	-	34.36	8.03	30.68			

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

5825MHz_TX

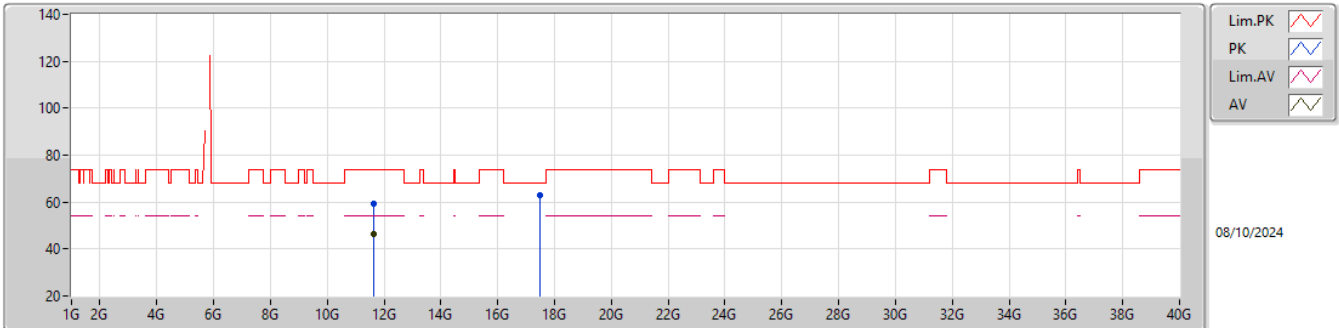


EUT_Y_2TX
Setting 25
02-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.65383G	59.34	74.00	-14.66	39.00	3	Vertical	227	1.97	-	39.32	11.86	30.84			
AV	11.64811G	46.58	54.00	-7.42	26.25	3	Vertical	227	1.97	-	39.30	11.86	30.83			
PK	17.4756G	62.76	68.20	-5.44	38.52	3	Vertical	263	2.86	-	43.96	12.57	32.29			

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

5825MHz_TX

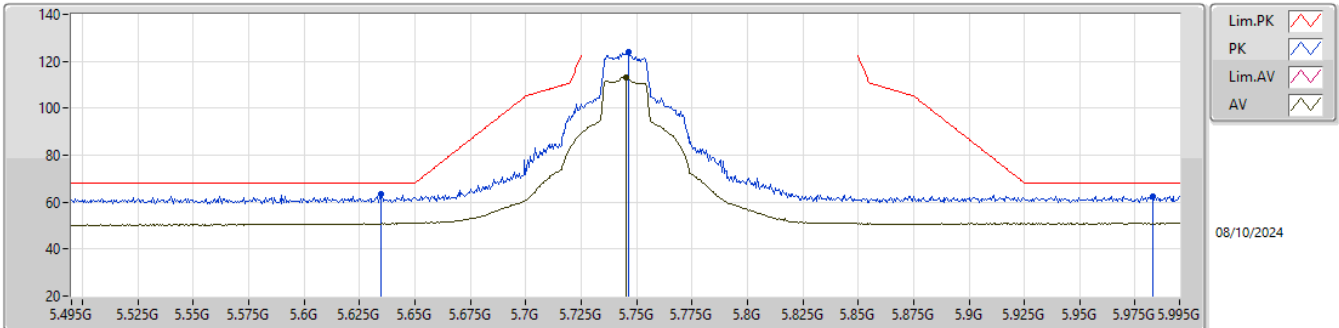


EUT_Y_2TX
Setting 25
02-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.65087G	59.31	74.00	-14.69	38.99	3	Horizontal	196	2.54	-	39.30	11.86	30.84			
AV	11.64879G	46.57	54.00	-7.43	26.24	3	Horizontal	196	2.54	-	39.30	11.86	30.83			
PK	17.47609G	62.74	68.20	-5.46	38.50	3	Horizontal	273	2.27	-	43.96	12.57	32.29			

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

5745MHz_TX

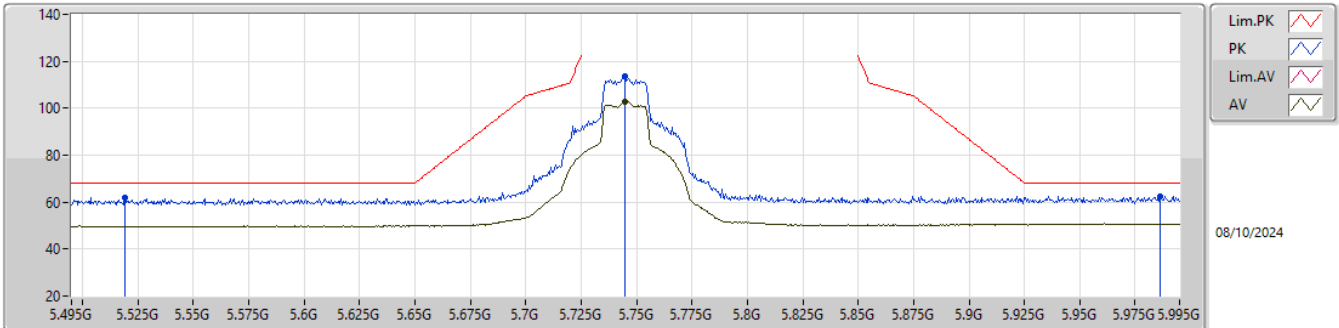


EUT_Y_2TX
Setting 28
02-A-E-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.6345G	63.31	68.20	-4.89	52.36	3	Vertical	193	1.79	-	34.00	7.65	30.70			
PK	5.7465G	124.19	Inf	-Inf	113.11	3	Vertical	193	1.79	-	34.00	7.75	30.67			
AV	5.7455G	113.35	Inf	-Inf	102.27	3	Vertical	193	1.79	-	34.00	7.75	30.67			
PK	5.983G	62.66	68.20	-5.54	51.08	3	Vertical	193	1.79	-	34.27	7.92	30.61			

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

5745MHz_TX

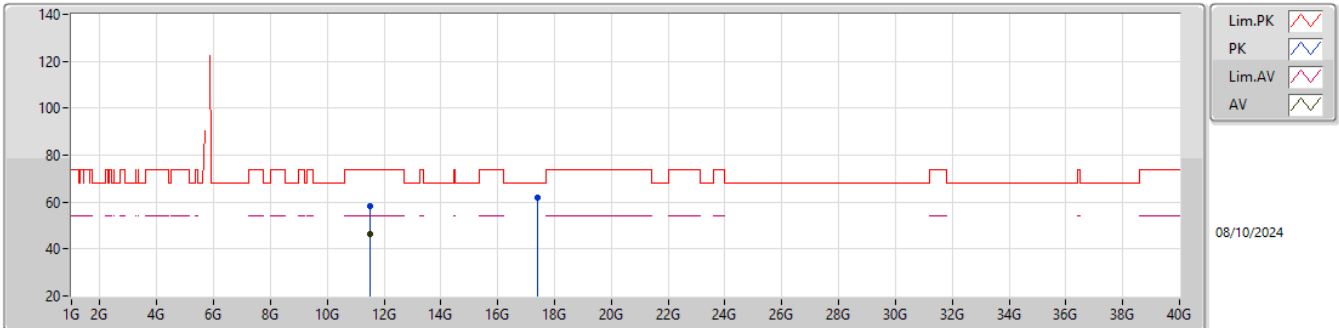


EUT_Y_2TX
Setting 28
02-A-E-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.519G	61.73	68.20	-6.47	51.05	3	Horizontal	188	2.85	-	34.06	7.35	30.73			
PK	5.7445G	113.41	Inf	-Inf	102.33	3	Horizontal	188	2.85	-	34.00	7.75	30.67			
AV	5.7445G	102.91	Inf	-Inf	91.83	3	Horizontal	188	2.85	-	34.00	7.75	30.67			
PK	5.9865G	62.67	68.20	-5.53	51.09	3	Horizontal	188	2.85	-	34.27	7.92	30.61			

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

5745MHz_TX

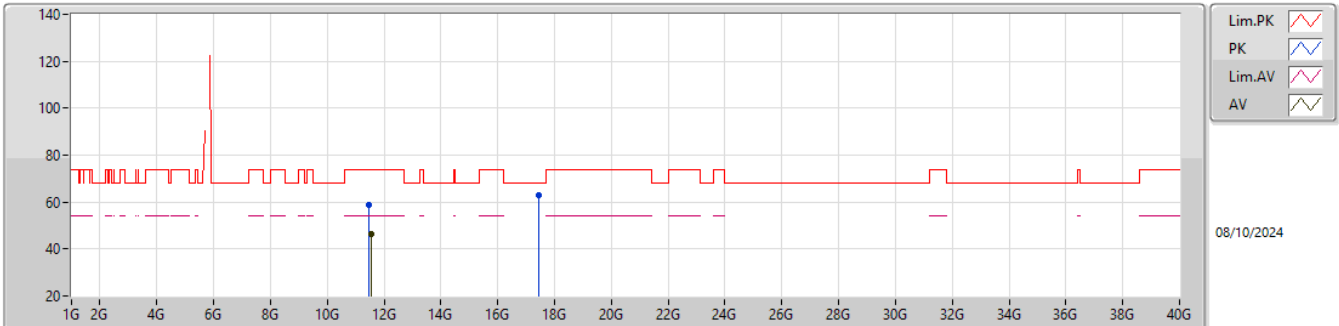


EUT_Y_2TX
Setting 28
02-A-E-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.525G	58.34	74.00	-15.66	38.24	3	Vertical	167	1.86	-	39.05	11.78	30.73			
AV	11.489G	46.59	54.00	-7.41	26.55	3	Vertical	167	1.86	-	38.98	11.76	30.70			
PK	17.387G	61.93	68.20	-6.27	38.44	3	Vertical	271	1.00	-	43.22	12.53	32.26			

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

5745MHz_TX

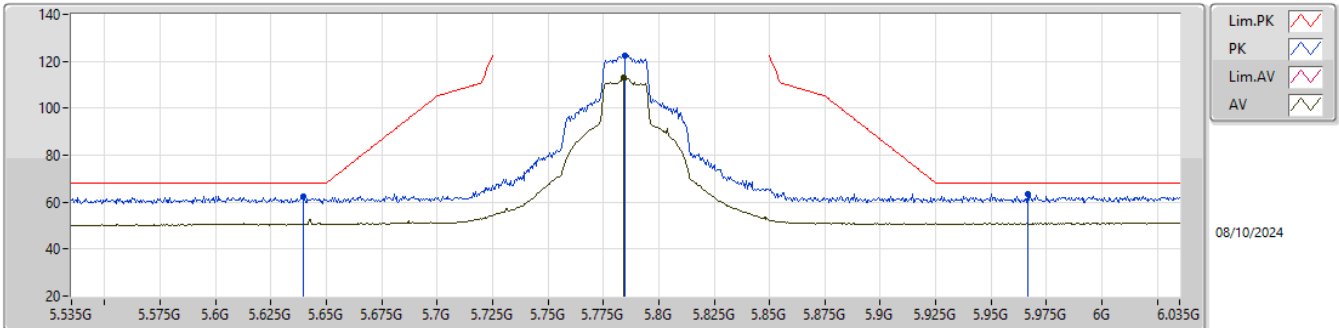


EUT_Y_2TX
Setting 28
02-A-E-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.476G	58.79	74.00	-15.21	38.79	3	Horizontal	280	2.91	-	38.95	11.75	30.70			
AV	11.564G	46.51	54.00	-7.49	26.31	3	Horizontal	280	2.91	-	39.16	11.80	30.76			
PK	17.454G	62.95	68.20	-5.25	38.93	3	Horizontal	95	1.03	-	43.74	12.56	32.28			

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

5785MHz_TX

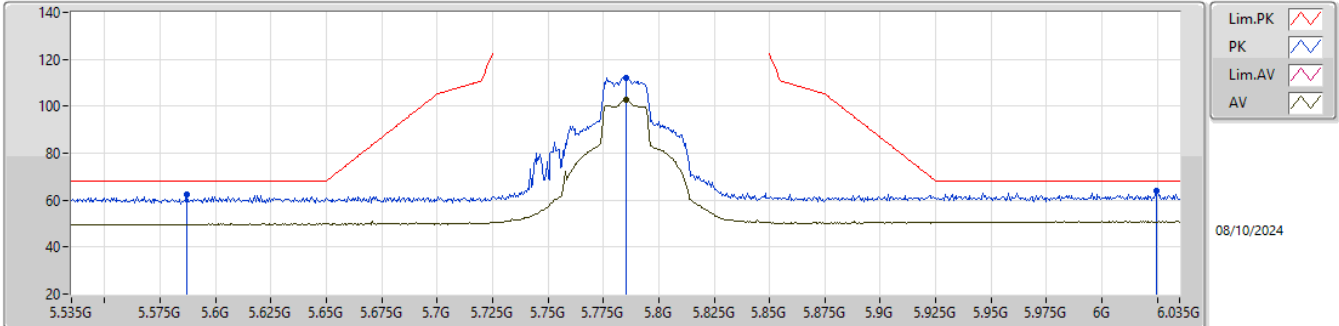


EUT_Y_2TX
Setting 28
02-A-E-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.6395G	62.61	68.20	-5.59	51.65	3	Vertical	134	1.80	-	34.00	7.66	30.70			
PK	5.7845G	122.48	Inf	-Inf	111.28	3	Vertical	134	1.80	-	34.07	7.79	30.66			
AV	5.784G	112.92	Inf	-Inf	101.72	3	Vertical	134	1.80	-	34.07	7.79	30.66			
PK	5.9665G	63.40	68.20	-4.80	51.88	3	Vertical	134	1.80	-	34.23	7.91	30.62			

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

5785MHz_TX

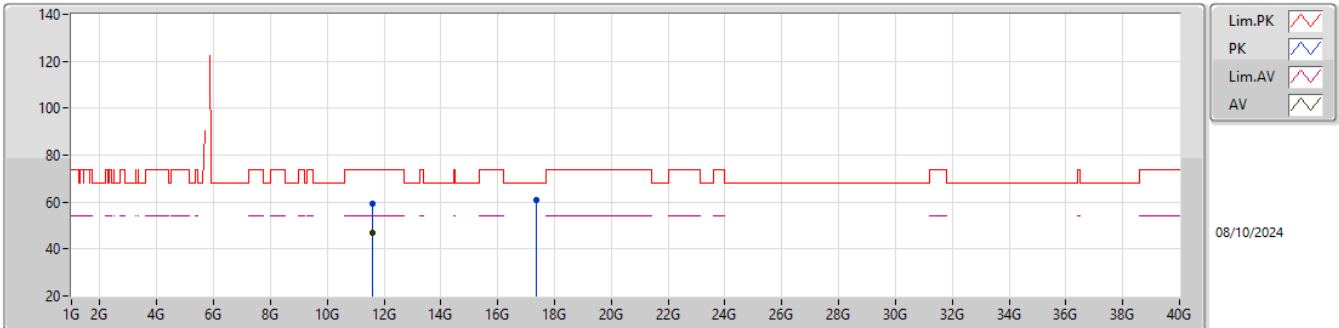


EUT_Y_2TX
Setting 28
02-A-E-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.587G	62.66	68.20	-5.54	51.79	3	Horizontal	164	2.56	-	34.00	7.58	30.71			
PK	5.7855G	112.24	Inf	-Inf	101.04	3	Horizontal	164	2.56	-	34.07	7.79	30.66			
AV	5.7855G	102.64	Inf	-Inf	91.44	3	Horizontal	164	2.56	-	34.07	7.79	30.66			
PK	6.0245G	63.76	68.20	-4.44	52.13	3	Horizontal	164	2.56	-	34.30	7.97	30.64			

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

5785MHz_TX

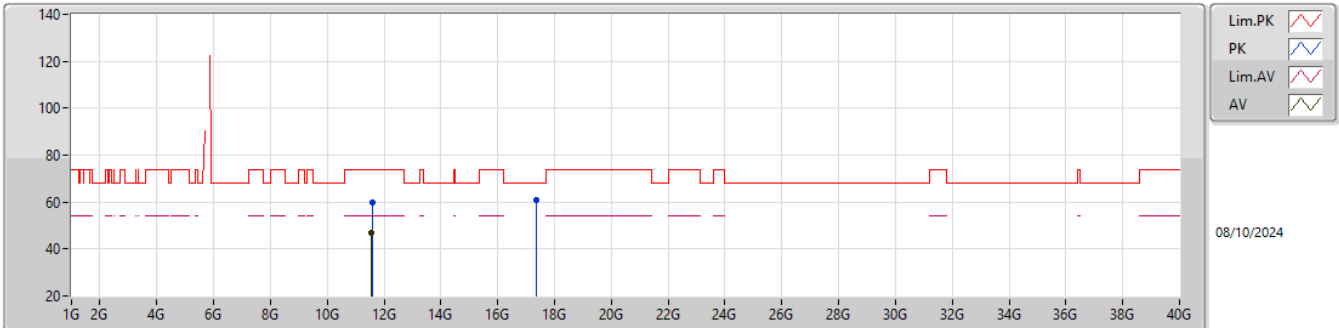


EUT_Y_2TX
Setting 28
02-A-E-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.57556G	59.22	74.00	-14.78	38.98	3	Vertical	108	1.97	-	39.20	11.81	30.77			
AV	11.57256G	46.92	54.00	-7.08	26.69	3	Vertical	108	1.97	-	39.19	11.81	30.77			
PK	17.3547G	61.03	68.20	-7.17	37.74	3	Vertical	103	1.93	-	43.03	12.51	32.25			

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

5785MHz_TX

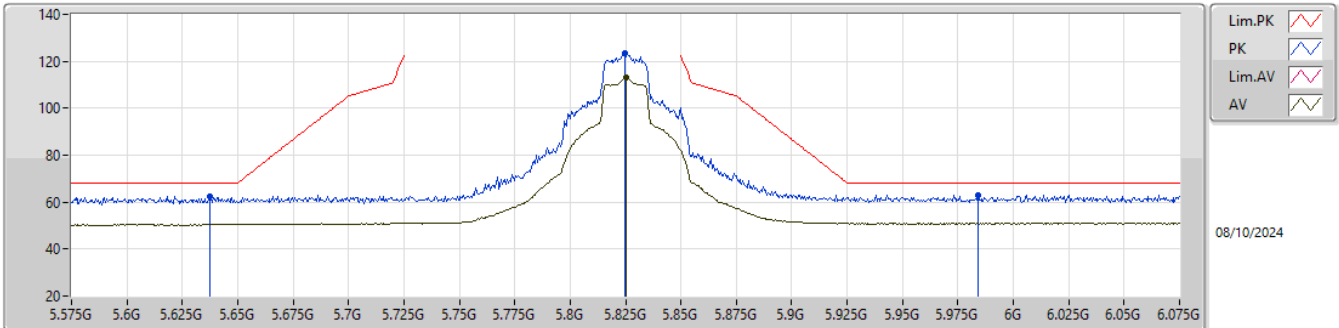


EUT_Y_2TX
Setting 28
02-A-E-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.5795G	59.67	74.00	-14.33	39.42	3	Horizontal	171	1.89	-	39.22	11.81	30.78			
AV	11.57002G	46.91	54.00	-7.09	26.69	3	Horizontal	171	1.89	-	39.18	11.81	30.77			
PK	17.35948G	60.75	68.20	-7.45	37.42	3	Horizontal	89	1.52	-	43.06	12.52	32.25			

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

5825MHz_TX

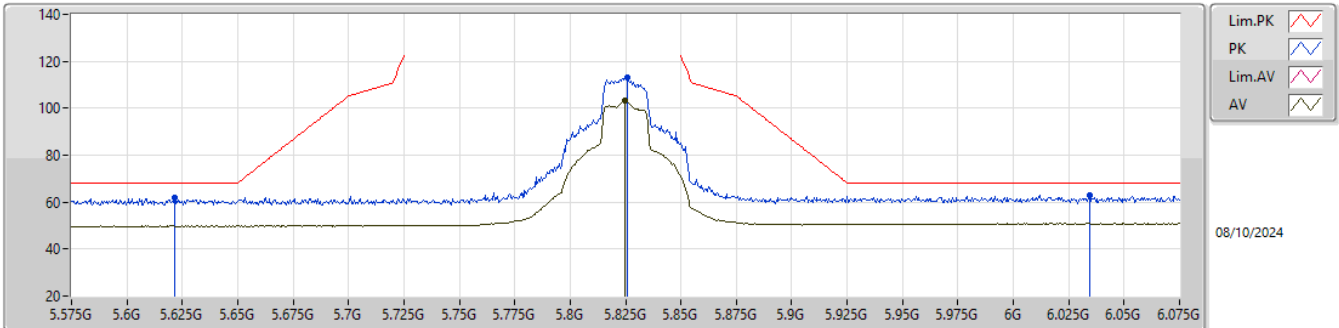


EUT_Y_2TX
Setting 28
02-A-E-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.6375G	62.48	68.20	-5.72	51.53	3	Vertical	132	1.78	-	34.00	7.65	30.70			
PK	5.8245G	123.29	Inf	-Inf	112.07	3	Vertical	132	1.78	-	34.05	7.82	30.65			
AV	5.8255G	112.93	Inf	-Inf	101.71	3	Vertical	132	1.78	-	34.05	7.82	30.65			
PK	5.984G	63.12	68.20	-5.08	51.54	3	Vertical	132	1.78	-	34.27	7.92	30.61			

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

5825MHz_TX

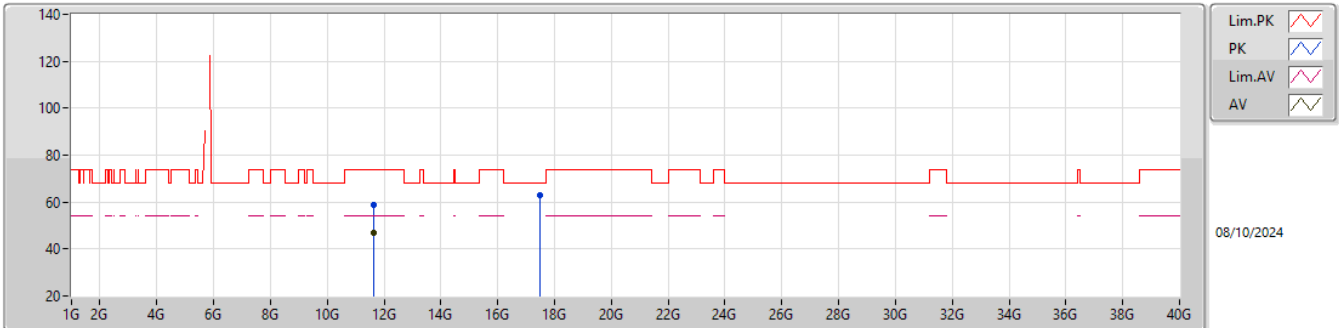


EUT_Y_2TX
Setting 28
02-A-E-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.6215G	61.79	68.20	-6.41	50.85	3	Horizontal	191	2.91	-	34.00	7.64	30.70			
PK	5.826G	112.96	Inf	-Inf	101.74	3	Horizontal	191	2.91	-	34.05	7.82	30.65			
AV	5.8245G	103.15	Inf	-Inf	91.93	3	Horizontal	191	2.91	-	34.05	7.82	30.65			
PK	6.0345G	62.85	68.20	-5.35	51.22	3	Horizontal	191	2.91	-	34.30	7.98	30.65			

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

5825MHz_TX

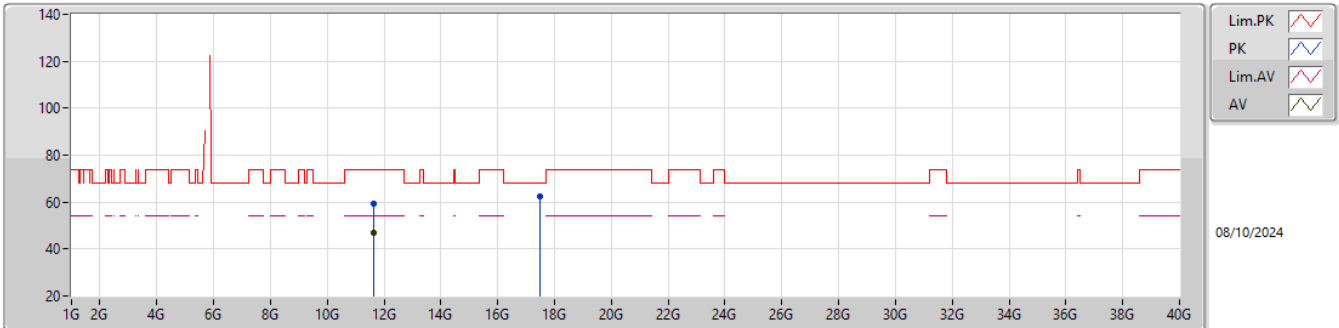


EUT_Y_2TX
Setting 28
02-A-E-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.65128G	58.87	74.00	-15.13	38.54	3	Vertical	198	2.46	-	39.31	11.86	30.84			
AV	11.6522G	47.04	54.00	-6.96	26.71	3	Vertical	198	2.46	-	39.31	11.86	30.84			
PK	17.47112G	62.73	68.20	-5.47	38.54	3	Vertical	121	2.48	-	43.91	12.57	32.29			

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

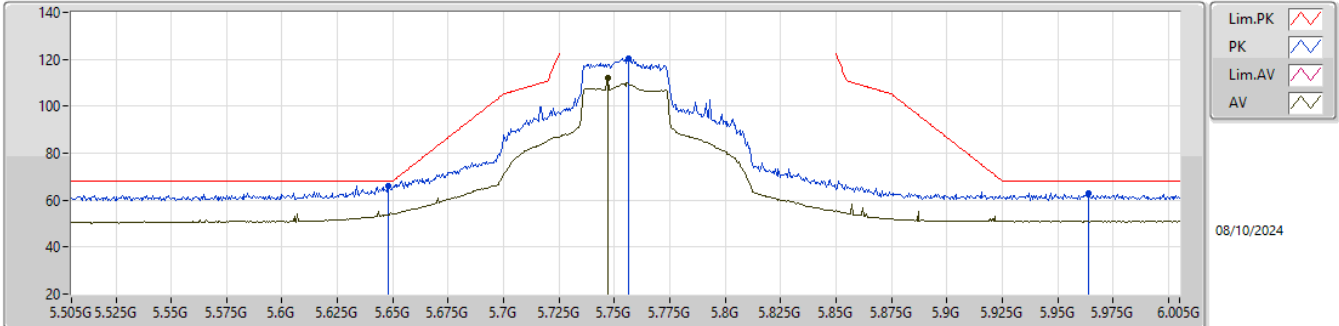
5825MHz_TX

EUT_Y_2TX
Setting 28
02-A-E-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.64382G	59.23	74.00	-14.77	38.91	3	Horizontal	115	2.27	-	39.30	11.85	30.83			
AV	11.64812G	47.12	54.00	-6.88	26.79	3	Horizontal	115	2.27	-	39.30	11.86	30.83			
PK	17.47454G	62.67	68.20	-5.53	38.44	3	Horizontal	280	2.71	-	43.95	12.57	32.29			

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

5755MHz_TX

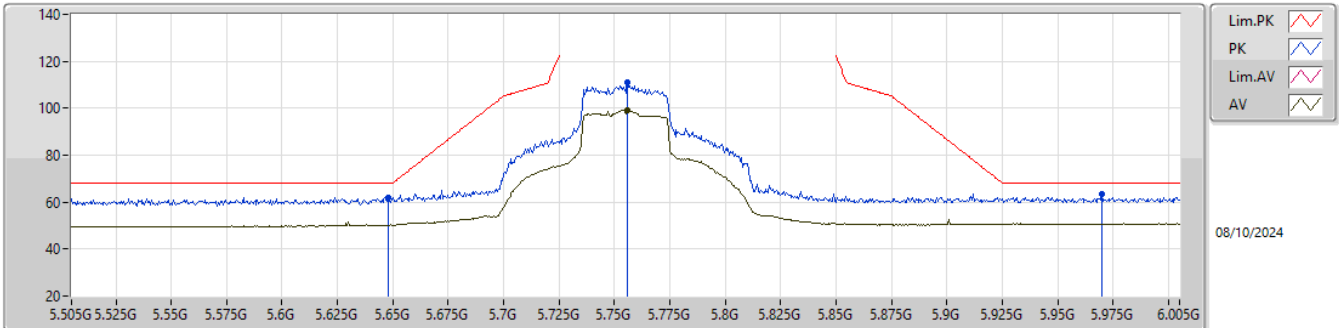


EUT_Y_2TX
Setting 27
02-A-E-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.648G	66.24	68.20	-1.96	55.27	3	Vertical	194	1.80	-	34.00	7.66	30.69			
PK	5.7565G	120.46	Inf	-Inf	109.36	3	Vertical	194	1.80	-	34.01	7.76	30.67			
AV	5.747G	112.00	Inf	-Inf	100.92	3	Vertical	194	1.80	-	34.00	7.75	30.67			
PK	5.964G	62.96	68.20	-5.24	51.44	3	Vertical	194	1.80	-	34.23	7.91	30.62			

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

5755MHz_TX

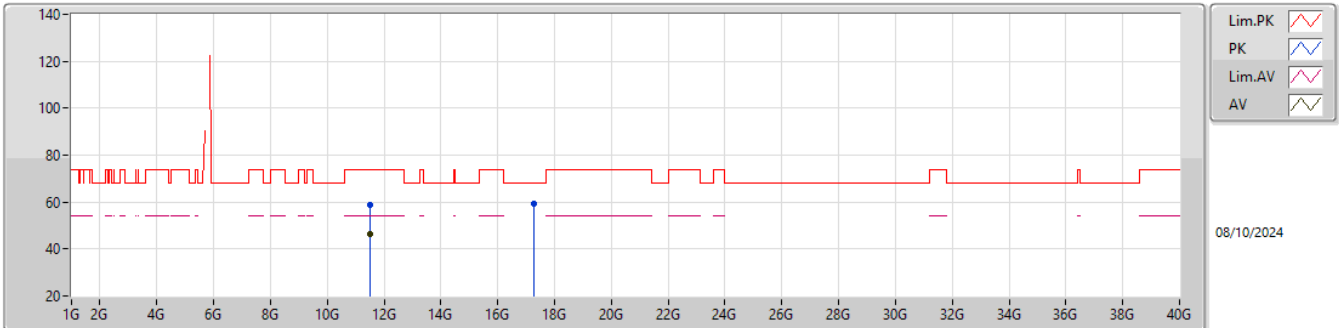


EUT_Y_2TX
Setting 27
02-A-E-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.648G	62.12	68.20	-6.08	51.15	3	Horizontal	169	2.79	-	34.00	7.66	30.69			
PK	5.756G	111.09	Inf	-Inf	99.99	3	Horizontal	169	2.79	-	34.01	7.76	30.67			
AV	5.756G	99.37	Inf	-Inf	88.27	3	Horizontal	169	2.79	-	34.01	7.76	30.67			
PK	5.97G	63.31	68.20	-4.89	51.78	3	Horizontal	169	2.79	-	34.24	7.91	30.62			

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

5755MHz_TX

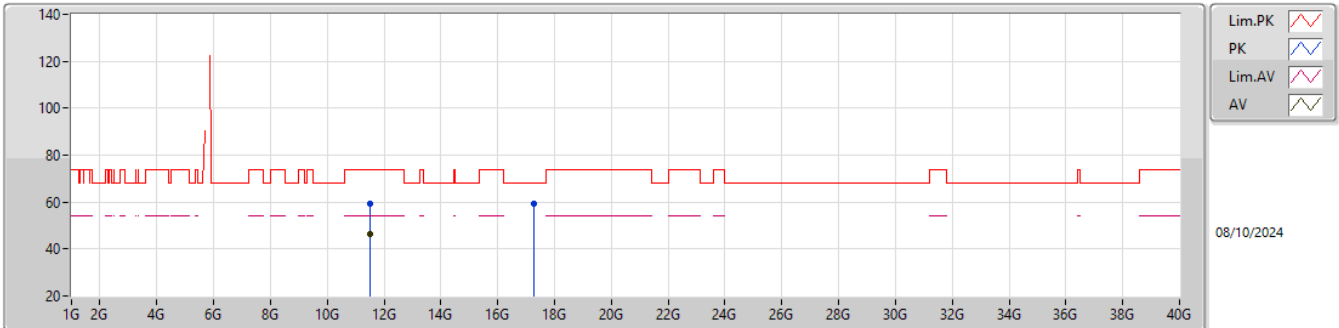


EUT_Y_2TX
Setting 27
02-A-E-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.50328G	58.55	74.00	-15.45	38.49	3	Vertical	78	1.97	-	39.01	11.76	30.71			
AV	11.51438G	46.45	54.00	-7.55	26.37	3	Vertical	78	1.97	-	39.03	11.77	30.72			
PK	17.26272G	59.42	68.20	-8.78	36.76	3	Vertical	3	2.37	-	42.40	12.47	32.21			

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

5755MHz_TX

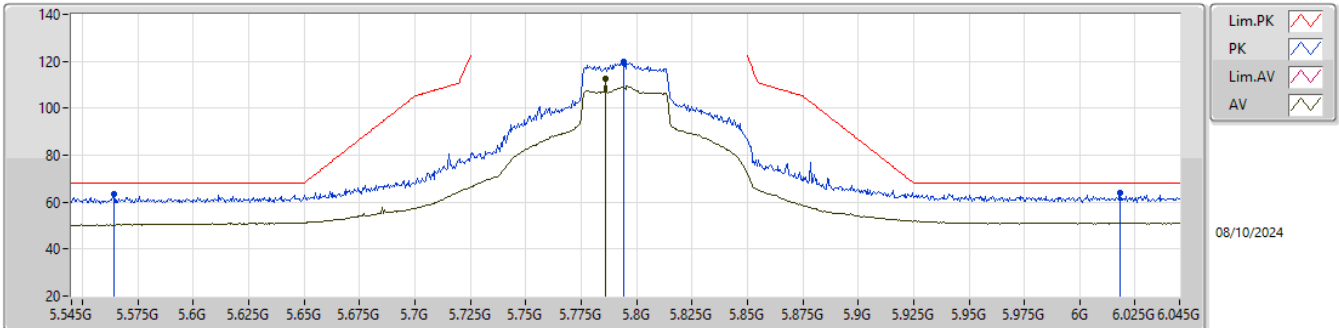


EUT_Y_2TX
Setting 27
02-A-E-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.50676G	59.10	74.00	-14.90	39.04	3	Horizontal	250	2.90	-	39.01	11.77	30.72			
AV	11.51026G	46.58	54.00	-7.42	26.51	3	Horizontal	250	2.90	-	39.02	11.77	30.72			
PK	17.27422G	59.35	68.20	-8.85	36.60	3	Horizontal	26	2.32	-	42.49	12.48	32.22			

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

5795MHz_TX

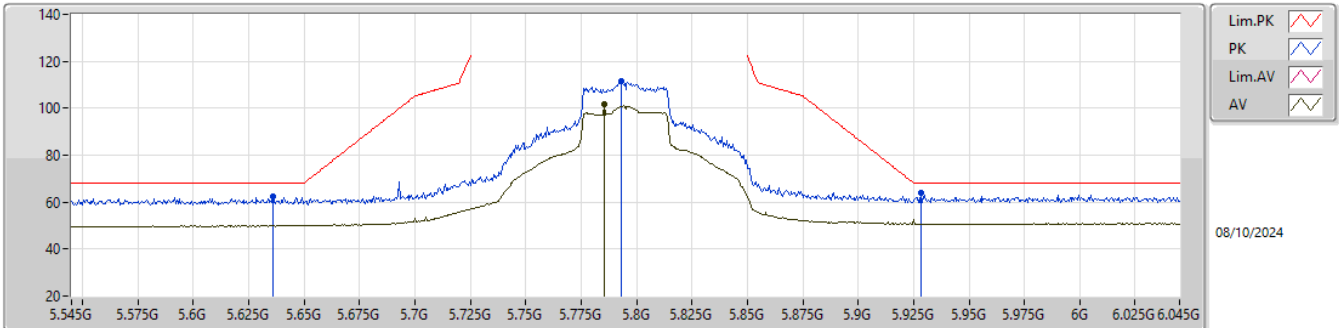


EUT_Y_2TX
Setting 28
02-A-E-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.564G	63.69	68.20	-4.51	52.90	3	Vertical	207	1.77	-	34.00	7.50	30.71			
PK	5.794G	119.70	Inf	-Inf	108.48	3	Vertical	207	1.77	-	34.09	7.79	30.66			
AV	5.786G	112.46	Inf	-Inf	101.26	3	Vertical	207	1.77	-	34.07	7.79	30.66			
PK	6.018G	63.84	68.20	-4.36	52.21	3	Vertical	207	1.77	-	34.30	7.96	30.63			

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

5795MHz_TX

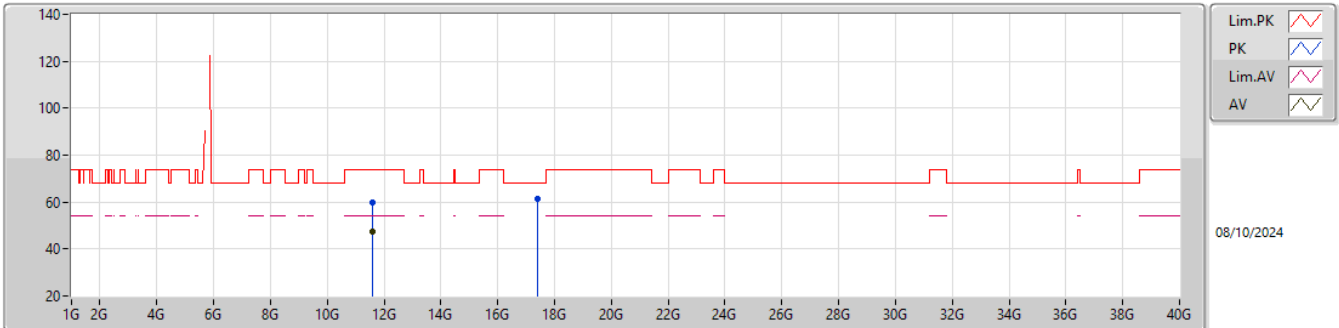


EUT_Y_2TX
Setting 28
02-A-E-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.636G	62.17	68.20	-6.03	51.22	3	Horizontal	187	2.90	-	34.00	7.65	30.70			
PK	5.793G	111.65	Inf	-Inf	100.43	3	Horizontal	187	2.90	-	34.09	7.79	30.66			
AV	5.7855G	101.97	Inf	-Inf	90.77	3	Horizontal	187	2.90	-	34.07	7.79	30.66			
PK	5.9285G	63.83	68.20	-4.37	52.38	3	Horizontal	187	2.90	-	34.20	7.88	30.63			

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

5795MHz_TX

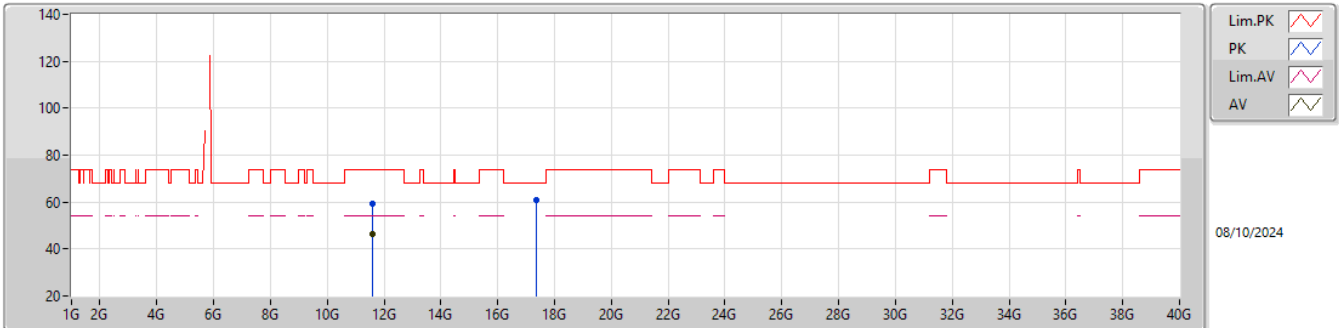


EUT_Y_2TX
Setting 28
02-A-E-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.58252G	59.89	74.00	-14.11	39.63	3	Vertical	274	1.01	-	39.23	11.81	30.78			
AV	11.58816G	47.50	54.00	-6.50	27.21	3	Vertical	274	1.01	-	39.25	11.82	30.78			
PK	17.3924G	61.32	68.20	-6.88	37.80	3	Vertical	222	2.53	-	43.25	12.53	32.26			

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

5795MHz_TX

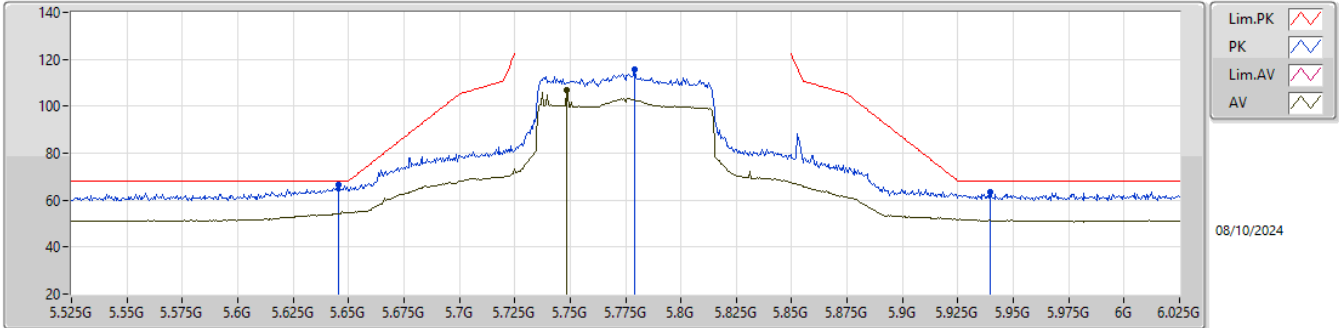


EUT_Y_2TX
Setting 28
02-A-E-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.58022G	59.15	74.00	-14.85	38.90	3	Horizontal	314	2.96	-	39.22	11.81	30.78			
AV	11.59644G	46.62	54.00	-7.38	26.30	3	Horizontal	314	2.96	-	39.29	11.82	30.79			
PK	17.37616G	60.69	68.20	-7.51	37.27	3	Horizontal	197	2.76	-	43.16	12.52	32.26			

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

5775MHz_TX

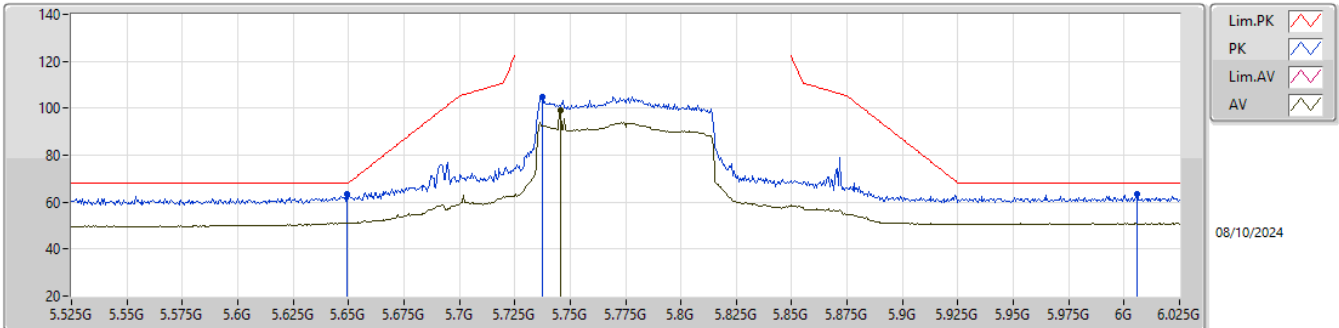


EUT_Y_2TX
Setting 25
02-A-E-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.6455G	66.61	68.20	-1.59	55.65	3	Vertical	3	1.76	-	34.00	7.66	30.70			
PK	5.779G	115.48	Inf	-Inf	104.30	3	Vertical	3	1.76	-	34.06	7.78	30.66			
AV	5.7485G	106.81	Inf	-Inf	95.73	3	Vertical	3	1.76	-	34.00	7.75	30.67			
PK	5.9395G	63.57	68.20	-4.63	52.10	3	Vertical	3	1.76	-	34.20	7.89	30.62			

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

5775MHz_TX

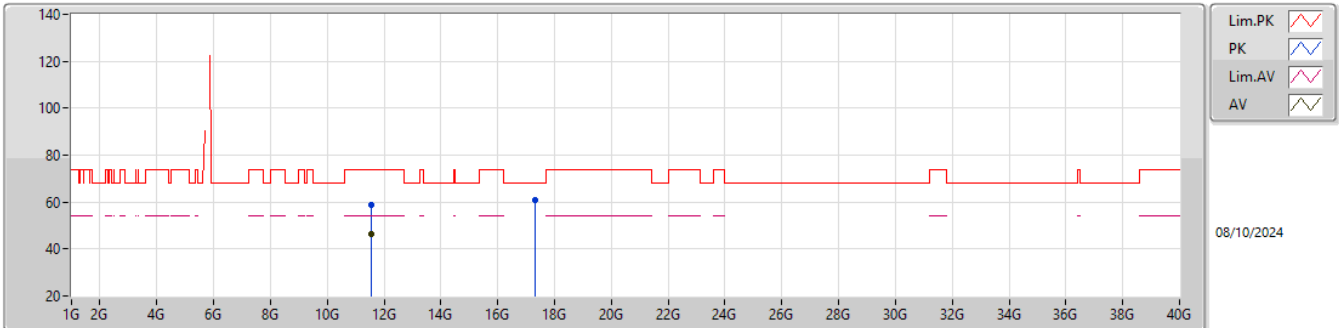


EUT_Y_2TX
Setting 25
02-A-E-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.6495G	63.30	68.20	-4.90	52.33	3	Horizontal	53	3.00	-	34.00	7.66	30.69			
PK	5.7375G	104.85	Inf	-Inf	93.78	3	Horizontal	53	3.00	-	34.00	7.74	30.67			
AV	5.7455G	99.26	Inf	-Inf	88.18	3	Horizontal	53	3.00	-	34.00	7.75	30.67			
PK	6.006G	63.19	68.20	-5.01	51.57	3	Horizontal	53	3.00	-	34.30	7.94	30.62			

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

5775MHz_TX

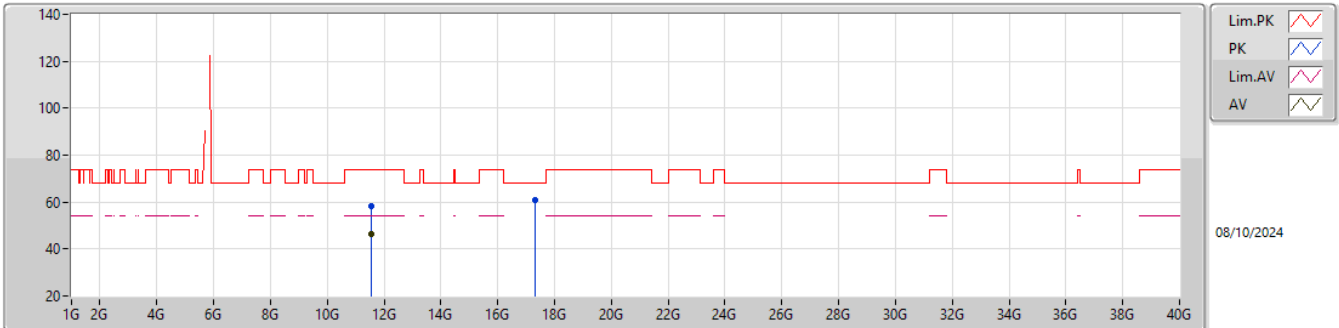


EUT_Y_2TX
Setting 25
02-A-E-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.557G	58.76	74.00	-15.24	38.59	3	Vertical	71	2.68	-	39.13	11.80	30.76			
AV	11.55154G	46.43	54.00	-7.57	26.27	3	Vertical	71	2.68	-	39.11	11.80	30.75			
PK	17.3322G	61.10	68.20	-7.10	37.95	3	Vertical	33	1.32	-	42.89	12.50	32.24			

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

5775MHz_TX



EUT_Y_2TX
Setting 25
02-A-E-6

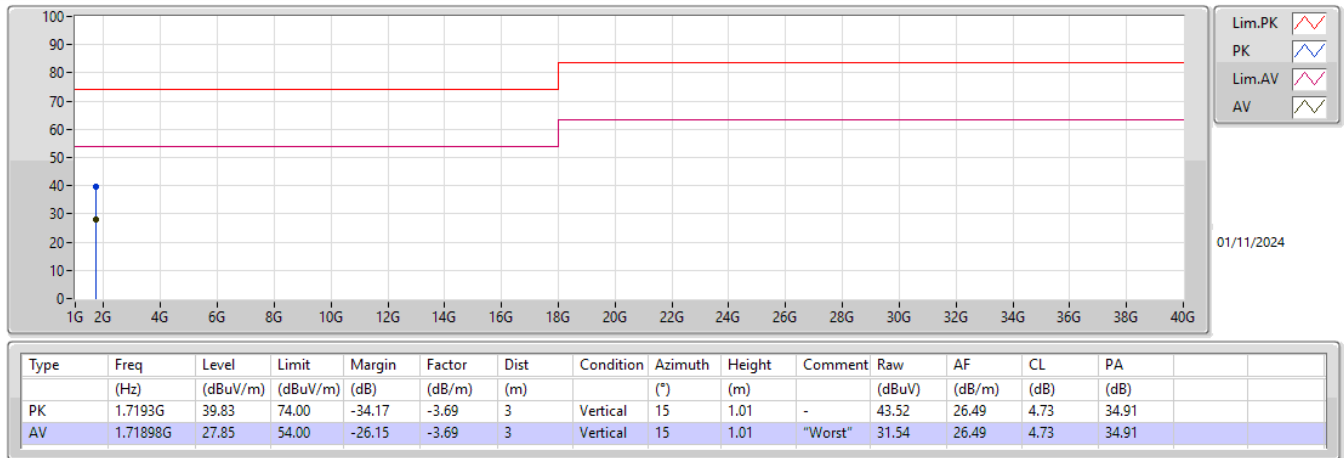
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.5475G	58.44	74.00	-15.56	38.31	3	Horizontal	246	2.07	-	39.09	11.79	30.75			
AV	11.55784G	46.50	54.00	-7.50	26.33	3	Horizontal	246	2.07	-	39.13	11.80	30.76			
PK	17.3324G	60.91	68.20	-7.29	37.76	3	Horizontal	193	1.81	-	42.89	12.50	32.24			



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.74708G	43.29	54.00	-10.71	Horizontal

Mode 1



Mode 1

