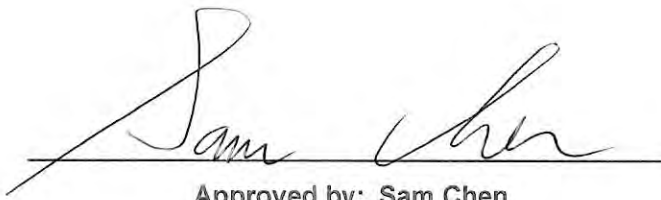


RADIO TEST REPORT

FCC ID : RSL-TQ2402GEN2
Equipment : IEEE802.11ax dual-radio 5G/2.4GHz 2x2+2x2 wireless AP
Brand Name : Allied Telesis
Model Name : AT-TQ2402 GEN2,AT-TQm2402 GEN2
Applicant : Allied Telesis K.K.
2nd. TOC Bldg.7-21-11 Nishi-Gotanda, Shinagawa-ku
Tokyo 141-0031 Japan
Manufacturer : Allied Telesis K.K.
2nd. TOC Bldg.7-21-11 Nishi-Gotanda, Shinagawa-ku
Tokyo 141-0031 Japan
Standard : 47 CFR FCC Part 15.407

The product was received on May 08, 2023, and testing was started from May 11, 2023 and completed on May 16, 2023. 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.)



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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
1.1.3	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	-

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: Viola Huang



1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2TX
5.15-5.25GHz	802.11n HT20	20	2TX
5.15-5.25GHz	802.11n HT20-BF	20	2TX
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT20-BF	20	2TX
5.15-5.25GHz	802.11ax HEW20	20	2TX
5.15-5.25GHz	802.11ax HEW20-BF	20	2TX
5.15-5.25GHz	802.11n HT40	40	2TX
5.15-5.25GHz	802.11n HT40-BF	40	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT40-BF	40	2TX
5.15-5.25GHz	802.11ax HEW40	40	2TX
5.15-5.25GHz	802.11ax HEW40-BF	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.15-5.25GHz	802.11ac VHT80-BF	80	2TX
5.15-5.25GHz	802.11ax HEW80	80	2TX
5.15-5.25GHz	802.11ax HEW80-BF	80	2TX
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	802.11n HT40	40	2TX



Band	Mode	BWch (MHz)	Nant
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	802.11ac 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

Note:

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



1.1.2 Antenna Information

Ant.	2.4GHz	5GHz	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	2	-	WNC	95XEAK15.GAD	PIFA Antenna	I-PEX	Note 1
2	1	-	WNC	95XEAK15.GAE	PIFA Antenna	I-PEX	
3	-	1	WNC	95XEAK15.GAF	PIFA Antenna	I-PEX	
4	-	2	WNC	95XEAK15.GAG	PIFA Antenna	I-PEX	

Note 1:

Ant.	Gain (dBi)				
	2.4GHz	5GHz UNII 1	5GHz UNII 2A	5GHz UNII 2C	5GHz UNII 3
1	1.93	-	-	-	-
2	3.37	-	-	-	-
3	-	4.55	5.10	5.14	5.38
4	-	4.16	4.93	4.69	5.43

Note 2: The above information was declared by manufacturer.

Note 3: The DFS band wasn't enabled for this application.

Note 4: 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 ≤ 4	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

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

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

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

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2))^2 / N_{ANT}] \Rightarrow 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$$

Where ;

$$2.4G \ G1 = 1.93 \text{ dBi} ; G2 = 3.37 \text{ dBi} ; DG = 5.69 \text{ dBi}$$

$$5G \text{ UNII-1 } G1 = 4.55 \text{ dBi} ; G2 = 4.16 \text{ dBi} ; DG = 7.37 \text{ dBi}$$

$$5G \text{ UNII-2A } G1 = 5.1 \text{ dBi} ; G2 = 4.93 \text{ dBi} ; DG = 8.03 \text{ dBi}$$

$$5G \text{ UNII-2C } G1 = 5.14 \text{ dBi} ; G2 = 4.69 \text{ dBi} ; DG = 7.93 \text{ dBi}$$

$$5G \text{ UNII-3 } G1 = 5.38 \text{ dBi} ; G2 = 5.43 \text{ dBi} ; DG = 8.42 \text{ dBi}$$

**For 2.4GHz function:****For IEEE 802.11b/g/n/VHT/ax (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 (2TX/2RX)**

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

Port 1 and Port 2 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.992	0.03	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW20	0.979	0.09	5.218m	300
802.11ax HEW40	0.974	0.11	5.363m	300
802.11ax HEW80	0.976	0.11	5.4m	300

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter or PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz.			
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
	☒	Point-to-multipoint	☐	Point-to-point
Channel Puncturing Function	☐	Supported	☒	Unsupported
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	QSPR Version 5.0-00201			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

Model Name	Description
AT-TQ2402 GEN2	All the models are identical, the difference model for difference brand served as marketing strategy.
AT-TQm2402 GEN2	

Note 1: From the above models, model: AT-TQ2402 GEN2 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.



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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Jeff Wu	24.3~25.1 / 66~69	May 15, 2023~May 16, 2023
Radiated below 1GHz	03CH04-CB	Gordon Hung	22~23 / 55~58	May 11, 2023
Radiated above 1GHz	03CH04-CB	Gordon Hung	21.7~22.9 / 58~62	May 11, 2023~May 15, 2023
AC Conduction	CO01-CB	Tim Chen	23~24 / 60~61	May 16, 2023

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	3.2 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.2 dB	Confidence levels of 95%
Bandwidth Measurement	2.0 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	19.5
5200MHz	19.5
5240MHz	20
5745MHz	19
5785MHz	19
5825MHz	19
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	19
5200MHz	19.5
5240MHz	20
5745MHz	18.5
5785MHz	19.5
5825MHz	19.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	15
5230MHz	19.5
5755MHz	20.5
5795MHz	20
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	15.5
5775MHz	18.5
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5180MHz	19
5200MHz	19.5
5240MHz	20
5745MHz	18.5
5785MHz	19.5
5825MHz	19.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5190MHz	15
5230MHz	19.5
5755MHz	20.5
5795MHz	20
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5210MHz	15.5



Mode	Power Setting
5775MHz	18.5

Note:

- ♦ Evaluated HEW20/HEW40/HEW80 mode only due to the similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80 mode are the same or lower than HEW20/HEW40/HEW80.
- ♦ The EUT supports non-beamforming and beamforming modes, after evaluating, the non-beamforming mode has been selected to execute all tests. The beamforming mode evaluates the output power only.

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	Normal Link - EUT + Adapter
2	Normal Link - EUT + PoE 1
For operating mode 1 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	Normal Link
1	EUT in Z axis + Adapter
2	EUT in Y axis + Adapter
3	EUT in X axis + Adapter
Mode 1 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 will follow this same test mode.	
4	EUT in Z axis + PoE 1
For operating mode 4 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
	The EUT was performed at X axis, Y axis and Z axis position and the harmonic worst case was found at X axis and the bandedge worst case was found at Z axis. So the measurement will follow this same test configuration.
1	EUT in X axis for harmonic and EUT in Z axis for bandedge



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA342410 for Co-location RF Exposure Evaluation.	

Note : The adapter and PoE are for measurement only, would not be marketed.
there are information as below:

Power	Brand	Model
Adapter	APD	DA-48Z12
PoE 1	PHIHONG	POE60U-1BT-X
PoE 2	Microsemi	PD-9001-10GC/AC

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories
Mounting Bracket*1
Normal Screw*2 (For pre-fit the Mounting Bracket)*2
Special Screw*4



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E6430	N/A
B	2.4G NB	DELL	E6430	N/A
C	5G NB	DELL	E6430	N/A
D	Adapter	APD	DA-48Z12	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE 1	PHIHONG	POE60U-1BT-X	N/A
B	2.5G Notebook	DELL	E4300	N/A
C	2.4G Wifi Notebook	DELL	E4300	N/A
D	5G Wifi Notebook	DELL	E4300	N/A

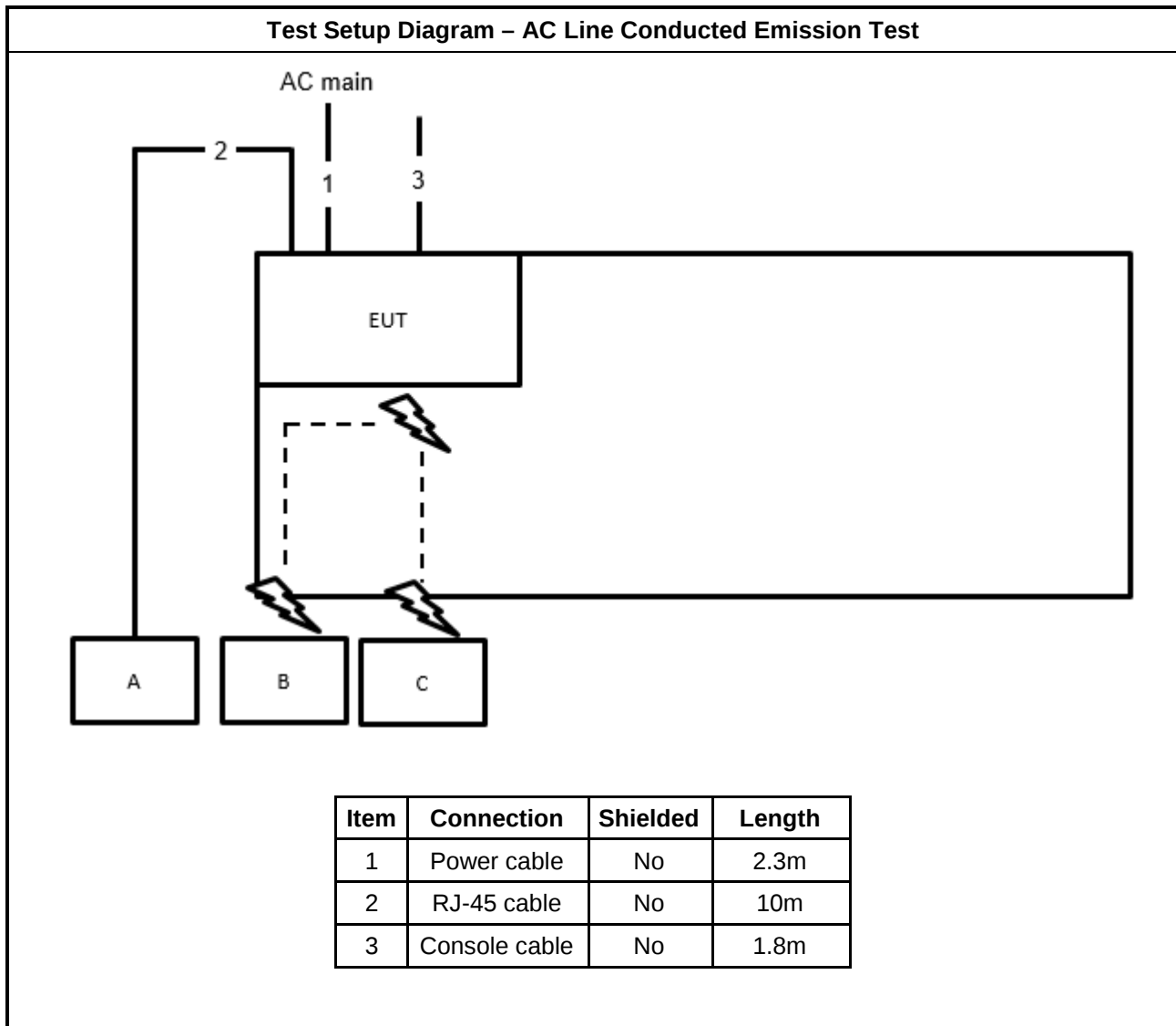
For Radiated (above 1GHz):

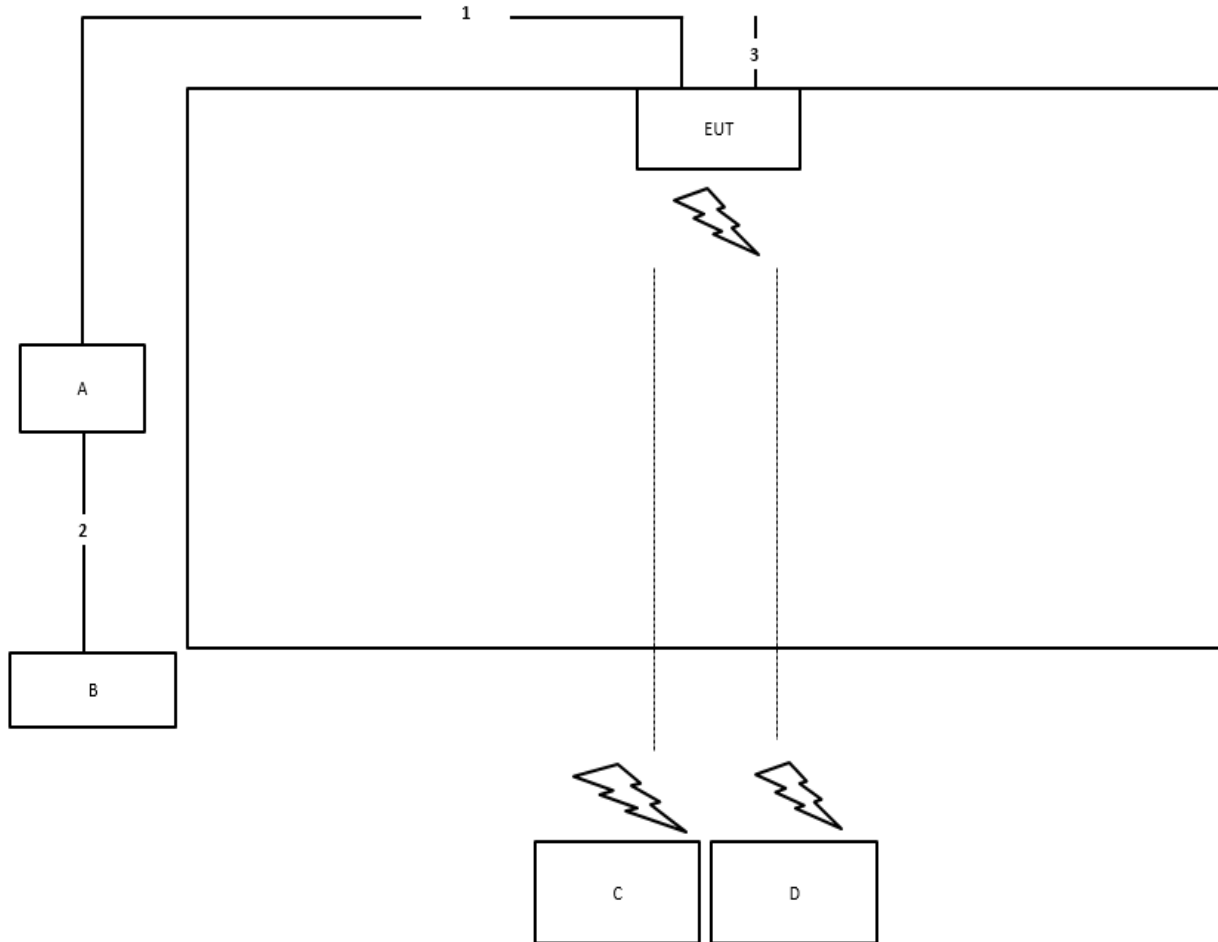
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE 1	PHIHONG	POE60U-1BT-X	N/A
B	Notebook	DELL	E4300	N/A

For RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	PoE 2	Microsemi	PD-9001-10GC/AC	N/A

2.6 Test Setup Diagram

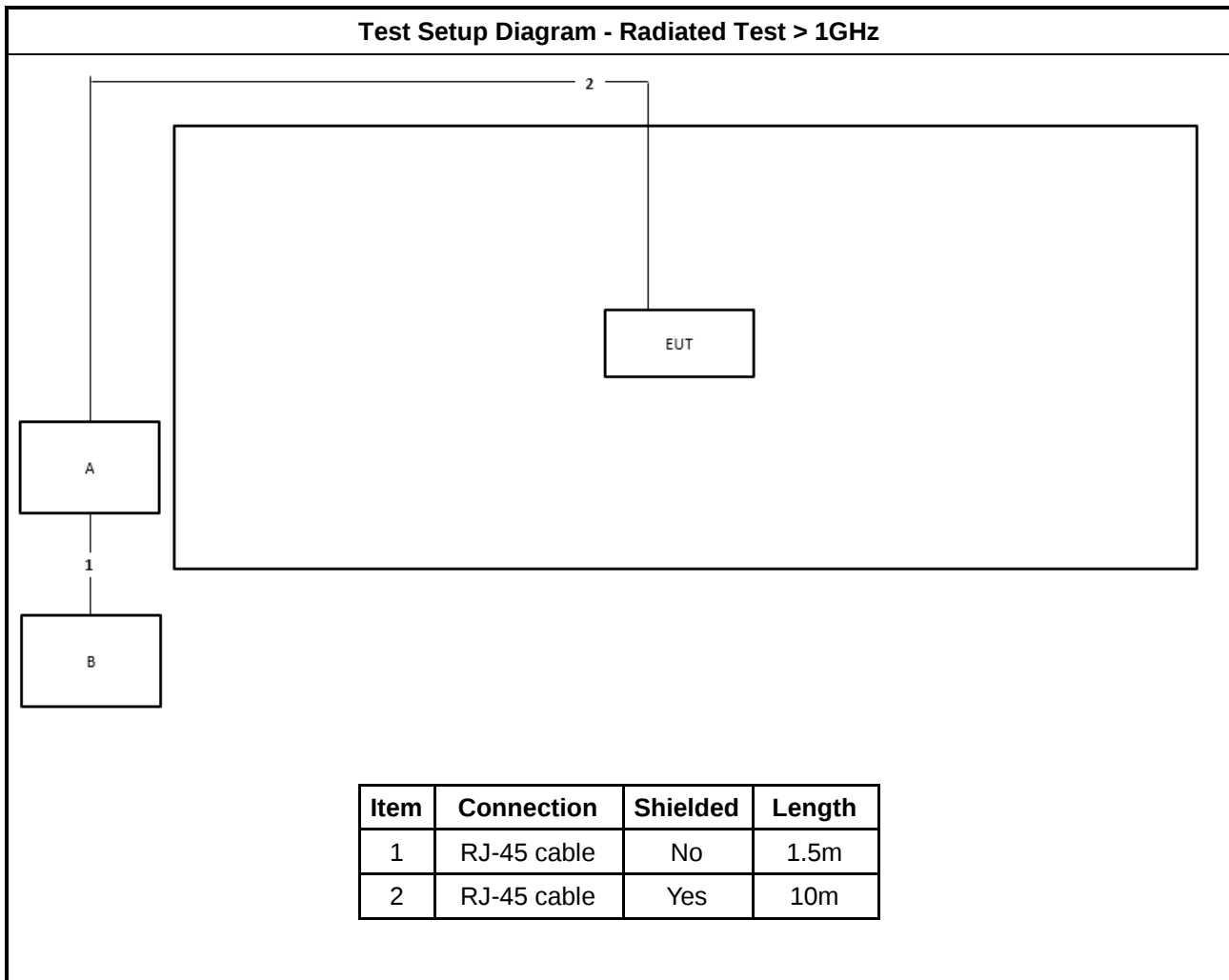


Test Setup Diagram - Radiated Test < 1GHz


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



Test Setup Diagram - Radiated Test > 1GHz





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.		

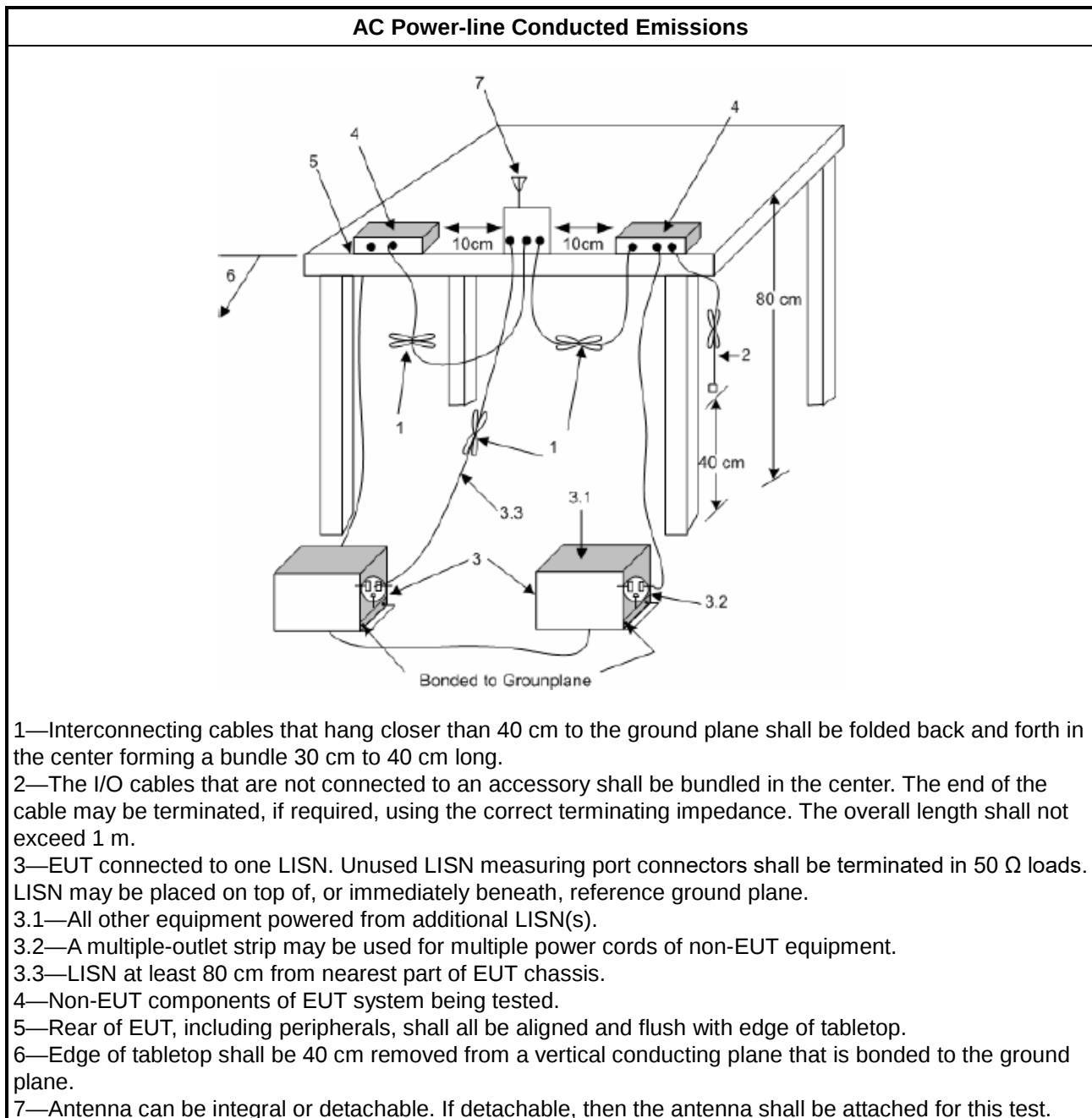
3.1.2 Measuring Instruments

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:

- a. Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- b. 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 $\geq 500\text{kHz}$.

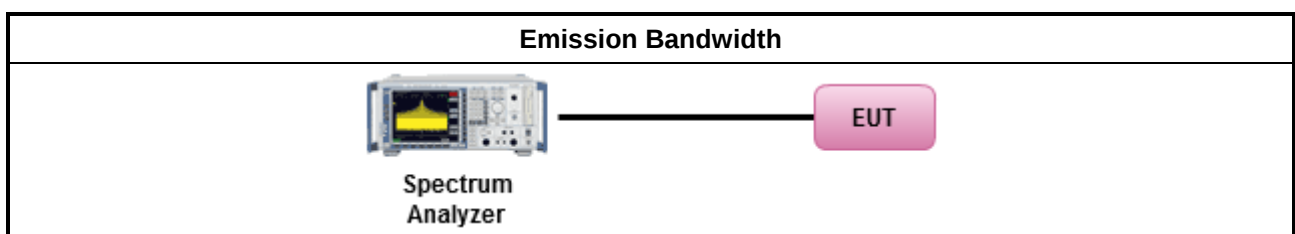
3.2.2 Measuring Instruments

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, 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:	
☐	- 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.	

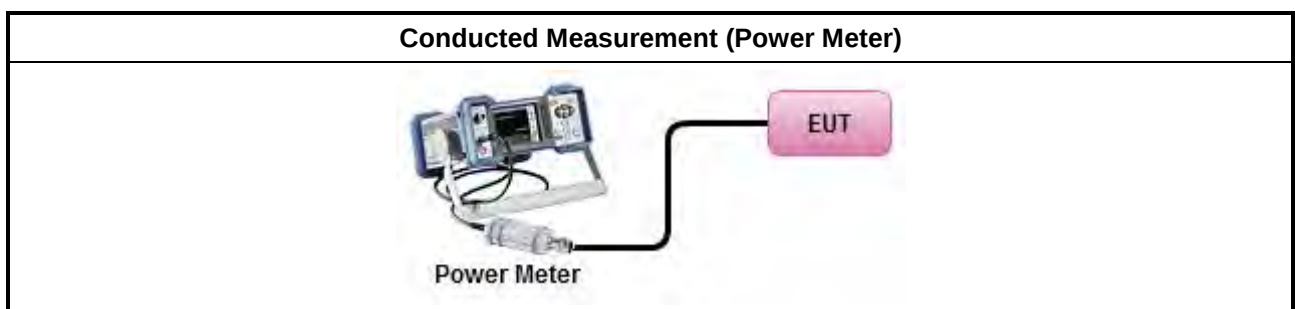
3.3.2 Measuring Instruments

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



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

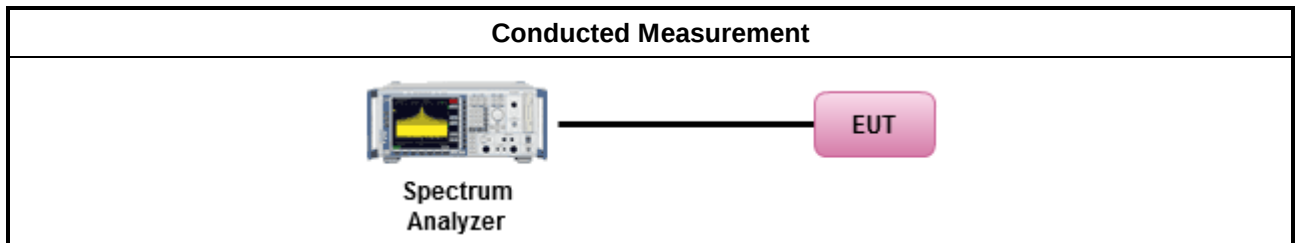
Refer a test equipment and calibration data table in this test report.

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, F5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
[duty cycle ≥ 98% 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.	

Test Method	
	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).

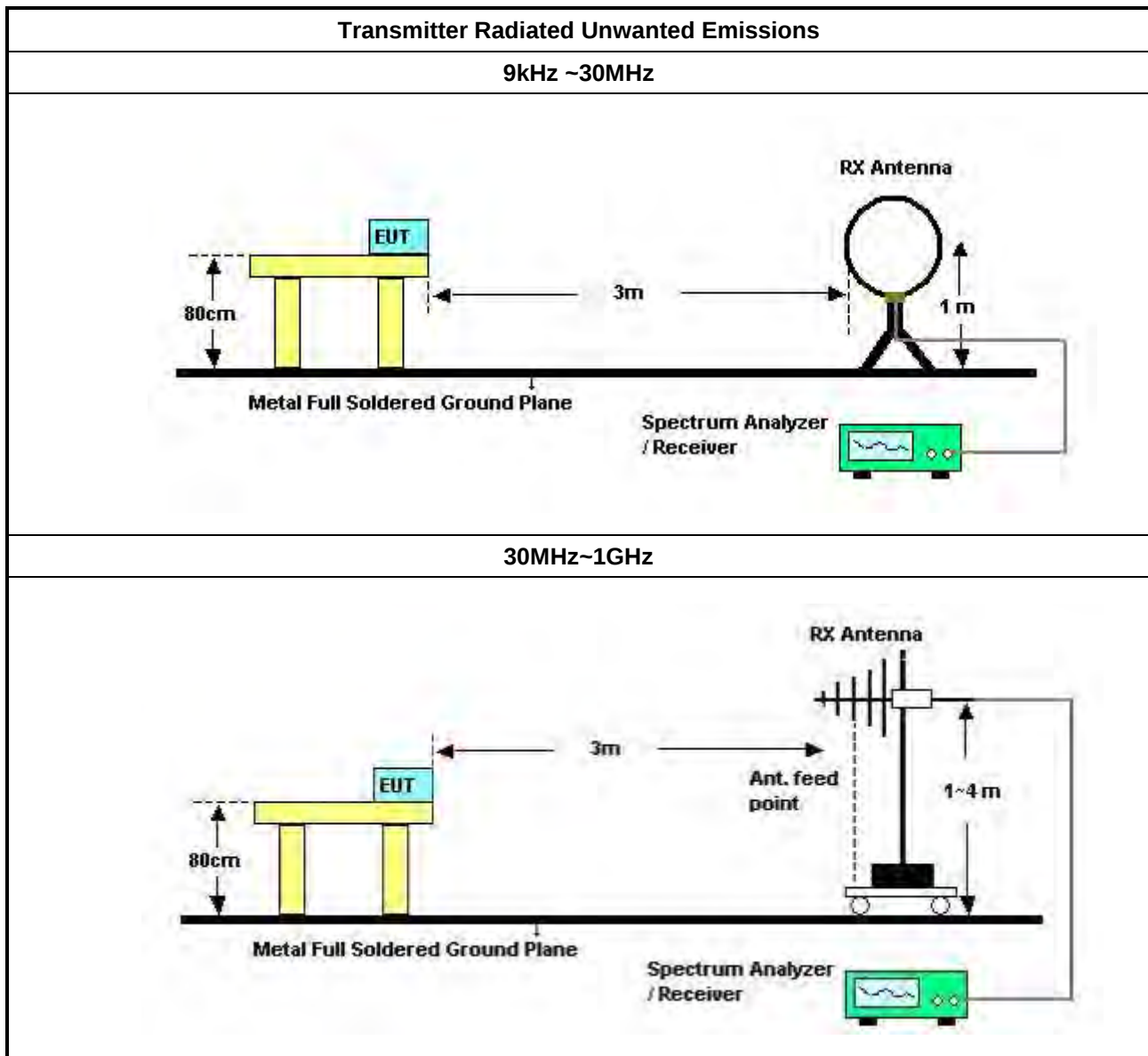
3.5.2 Measuring Instruments

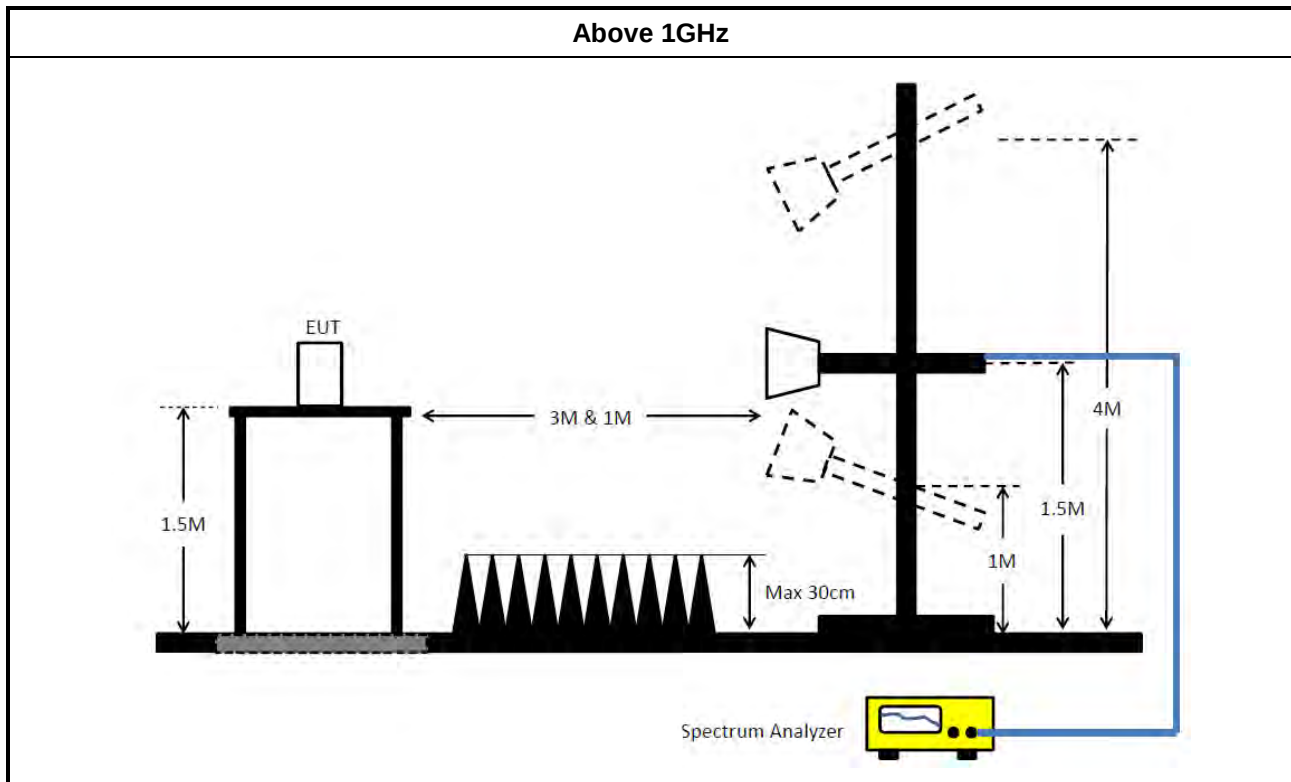
Refer a test equipment and calibration data table in this test report.

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 amplitude of spurious 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	Feb. 20, 2023	Feb. 19, 2024	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz~100MHz	Feb. 16, 2023	Feb. 15, 2024	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 27, 2023	Apr. 26, 2024	Conduction (CO01-CB)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 09, 2023	Feb. 08, 2024	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 23, 2023	Mar. 22, 2024	Radiation (03CH04-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH04-CB	30 MHz ~ 1 GHz	Aug. 02, 2022	Aug. 01, 2023	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 23, 2023	Feb. 22, 2024	Radiation (03CH04-CB)
BILOG ANTENNA with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	22021&AT-N06 07	30MHz ~ 1GHz	Oct. 08, 2022	Oct. 07, 2023	Radiation (03CH04-CB)
Horn Antenna	ETS-Lindgren	3115	00143147	750MHz~18GHz	Oct. 12, 2022	Oct. 11, 2023	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH04-CB)
Pre-Amplifier	EMCI	EMC330N	980391	20MHz ~ 3GHz	May 19, 2022	May 18, 2023	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz~26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 21, 2023	Mar. 20, 2024	Radiation (03CH04-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+67	30MHz ~ 1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 27, 2022	May 26, 2023	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1 GHz ~26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

N.C.R. means Non-Calibration required.



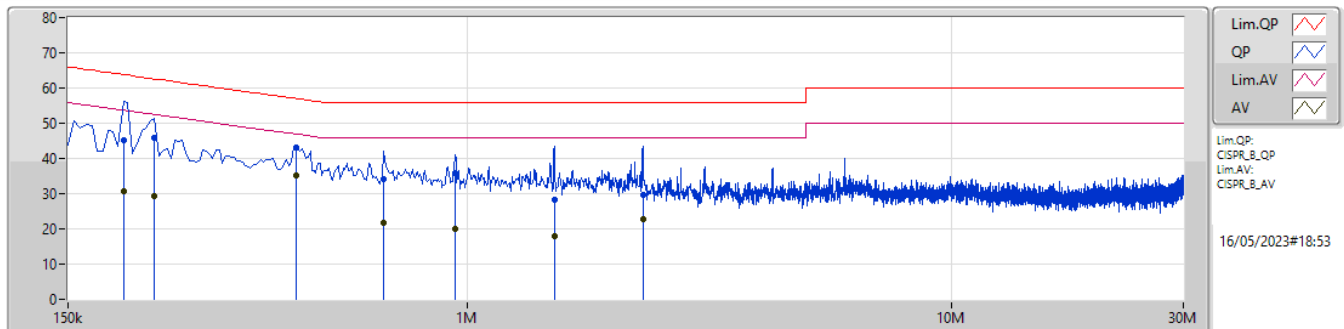
Conducted Emissions at Powerline

Appendix A

Summary

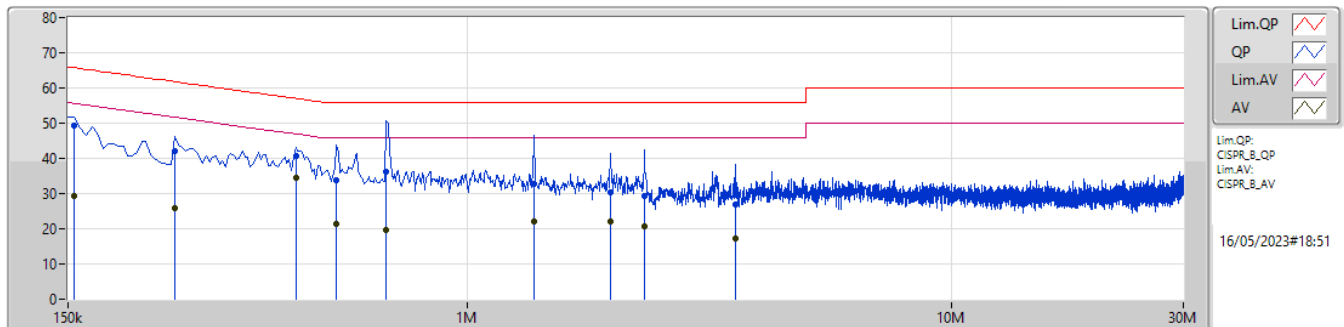
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	442.5k	35.23	47.01	-11.78	Line

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	195k	45.04	63.82	-18.78	9.98	Line	-	35.06	0.08	0.04	9.86						
AV	195k	30.84	53.82	-22.98	9.98	Line	-	20.86	0.08	0.04	9.86						
QP	226.5k	45.88	62.58	-16.70	9.99	Line	-	35.89	0.08	0.04	9.87						
AV	226.5k	29.20	52.58	-23.38	9.99	Line	-	19.21	0.08	0.04	9.87						
QP	442.5k	43.08	57.01	-13.93	10.05	Line	-	33.03	0.09	0.06	9.90						
AV	442.5k	35.23	47.01	-11.78	10.05	Line	"Worst"	25.18	0.09	0.06	9.90						
QP	672k	34.04	56.00	-21.96	10.05	Line	-	23.99	0.10	0.05	9.90						
AV	672k	21.88	46.00	-24.12	10.05	Line	-	11.83	0.10	0.05	9.90						
QP	942k	35.79	56.00	-20.21	10.05	Line	-	25.74	0.11	0.04	9.90						
AV	942k	20.15	46.00	-25.85	10.05	Line	-	10.10	0.11	0.04	9.90						
QP	1.514M	28.16	56.00	-27.84	10.10	Line	-	18.06	0.13	0.07	9.90						
AV	1.514M	17.96	46.00	-28.04	10.10	Line	-	7.86	0.13	0.07	9.90						
QP	2.301M	29.70	56.00	-26.30	10.14	Line	-	19.56	0.15	0.09	9.90						
AV	2.301M	22.66	46.00	-23.34	10.14	Line	-	12.52	0.15	0.09	9.90						

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	154.5k	49.41	65.75	-16.34	9.98	Neutral	-	39.43	0.07	0.04	9.87						
AV	154.5k	29.37	55.75	-26.38	9.98	Neutral	-	19.39	0.07	0.04	9.87						
QP	249k	42.12	61.79	-19.67	9.99	Neutral	-	32.13	0.07	0.05	9.87						
AV	249k	25.89	51.79	-25.90	9.99	Neutral	-	15.90	0.07	0.05	9.87						
QP	442.5k	40.69	57.01	-16.32	10.03	Neutral	-	30.66	0.07	0.06	9.90						
AV	442.5k	34.40	47.01	-12.61	10.03	Neutral	"Worst"	24.37	0.07	0.06	9.90						
QP	537k	33.76	56.00	-22.24	10.02	Neutral	-	23.74	0.07	0.05	9.90						
AV	537k	21.52	46.00	-24.48	10.02	Neutral	-	11.50	0.07	0.05	9.90						
QP	681k	36.13	56.00	-19.87	10.03	Neutral	-	26.10	0.08	0.05	9.90						
AV	681k	19.72	46.00	-26.28	10.03	Neutral	-	9.69	0.08	0.05	9.90						
QP	1.37M	32.60	56.00	-23.40	10.05	Neutral	-	22.55	0.09	0.06	9.90						
AV	1.37M	21.97	46.00	-24.03	10.05	Neutral	-	11.92	0.09	0.06	9.90						
QP	1.977M	30.31	56.00	-25.69	10.09	Neutral	-	20.22	0.10	0.09	9.90						
AV	1.977M	22.07	46.00	-23.93	10.09	Neutral	-	11.98	0.10	0.09	9.90						
QP	2.319M	29.21	56.00	-26.79	10.10	Neutral	-	19.11	0.11	0.09	9.90						
AV	2.319M	20.56	46.00	-25.44	10.10	Neutral	-	10.46	0.11	0.09	9.90						
QP	3.584M	26.93	56.00	-29.07	10.14	Neutral	-	16.79	0.13	0.10	9.91						
AV	3.584M	17.17	46.00	-28.83	10.14	Neutral	-	7.03	0.13	0.10	9.91						

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.965M	16.302M	16M3D1D	17.655M	16.184M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.12M	18.85M	18M9D1D	19.965M	18.766M
802.11ax HEW40_Nss1,(MCS0)_2TX	39.82M	37.85M	37M9D1D	39.49M	37.7M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.06M	76.7M	76M7D1D	81.4M	76.7M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	15.07M	16.272M	16M3D1D	13.75M	16.206M
802.11ax HEW20_Nss1,(MCS0)_2TX	17.38M	18.866M	18M9D1D	11.33M	18.766M
802.11ax HEW40_Nss1,(MCS0)_2TX	35.86M	38.55M	38M6D1D	29.48M	37.75M
802.11ax HEW80_Nss1,(MCS0)_2TX	70.18M	76.9M	76M9D1D	39.16M	76.5M

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

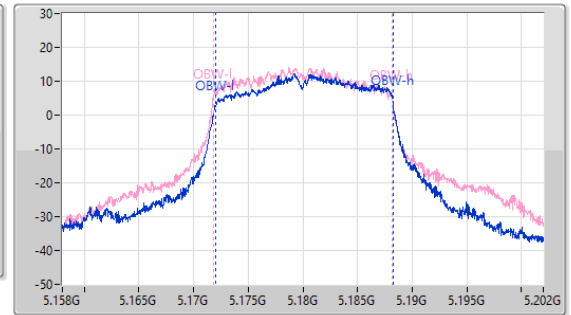
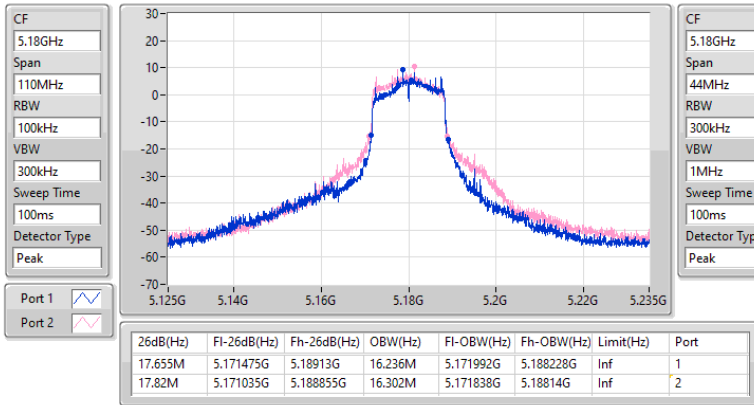
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	17.655M	16.236M	17.82M	16.302M
5200MHz	Pass	Inf	18.26M	16.184M	18.425M	16.228M
5240MHz	Pass	Inf	18.535M	16.206M	19.965M	16.294M
5745MHz	Pass	500k	14.96M	16.206M	15.07M	16.25M
5785MHz	Pass	500k	13.75M	16.228M	15.015M	16.25M
5825MHz	Pass	500k	13.805M	16.25M	15.07M	16.272M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.965M	18.825M	20.735M	18.85M
5200MHz	Pass	Inf	20.24M	18.766M	20.46M	18.766M
5240MHz	Pass	Inf	20.35M	18.816M	21.12M	18.841M
5745MHz	Pass	500k	15.4M	18.791M	17.38M	18.766M
5785MHz	Pass	500k	16.17M	18.816M	14.355M	18.791M
5825MHz	Pass	500k	11.33M	18.766M	17.27M	18.866M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.49M	37.7M	39.71M	37.7M
5230MHz	Pass	Inf	39.49M	37.75M	39.82M	37.85M
5755MHz	Pass	500k	29.48M	37.8M	35.86M	38.55M
5795MHz	Pass	500k	35.53M	37.75M	33.77M	38.1M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.4M	76.7M	82.06M	76.7M
5775MHz	Pass	500k	70.18M	76.5M	39.16M	76.9M

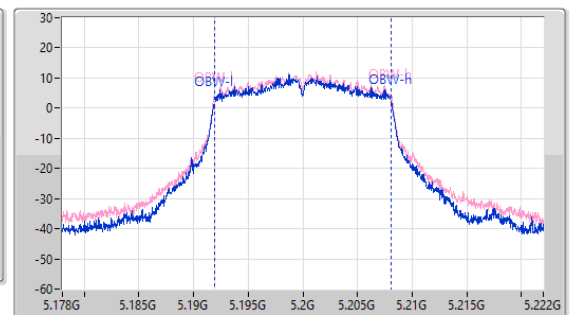
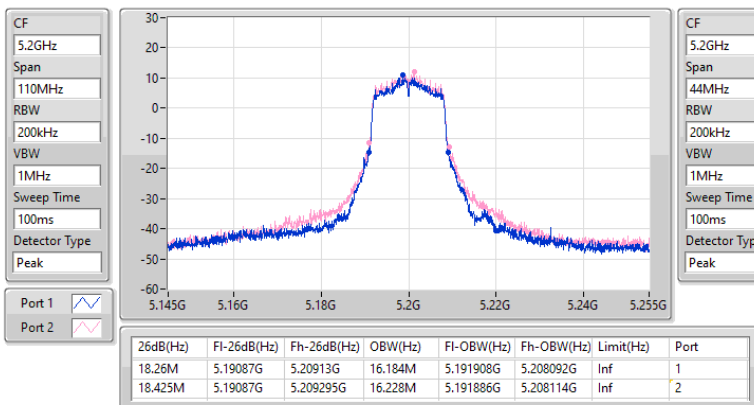
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5180MHz

16/05/2023

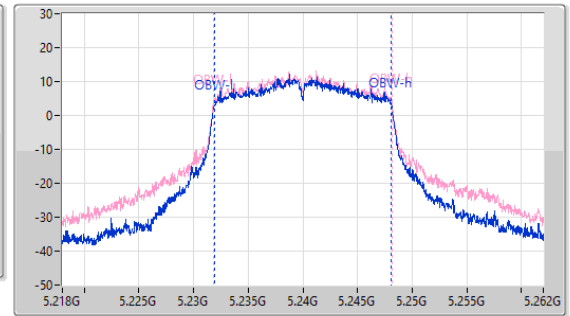
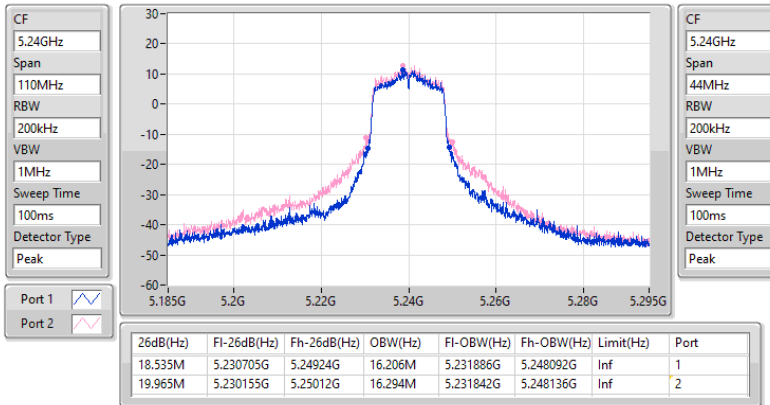

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5200MHz

16/05/2023

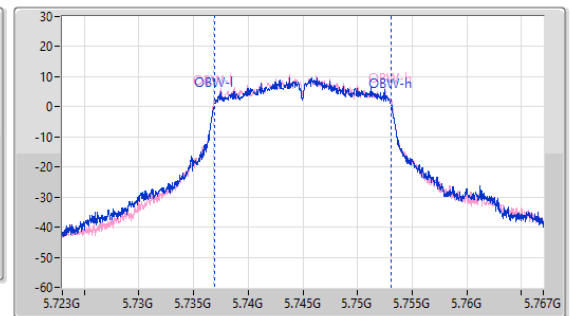
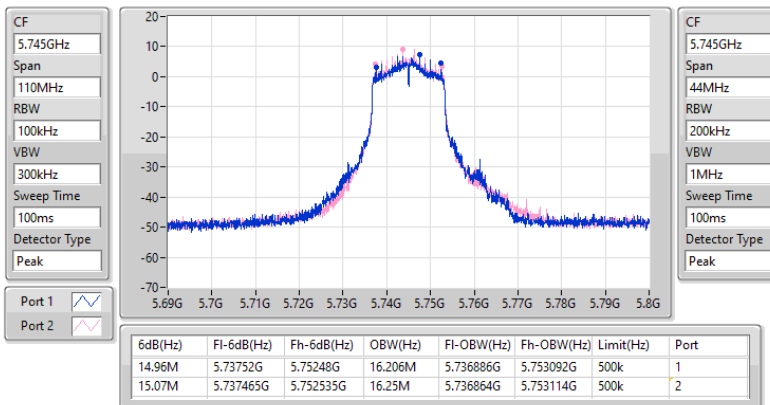


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5240MHz

16/05/2023

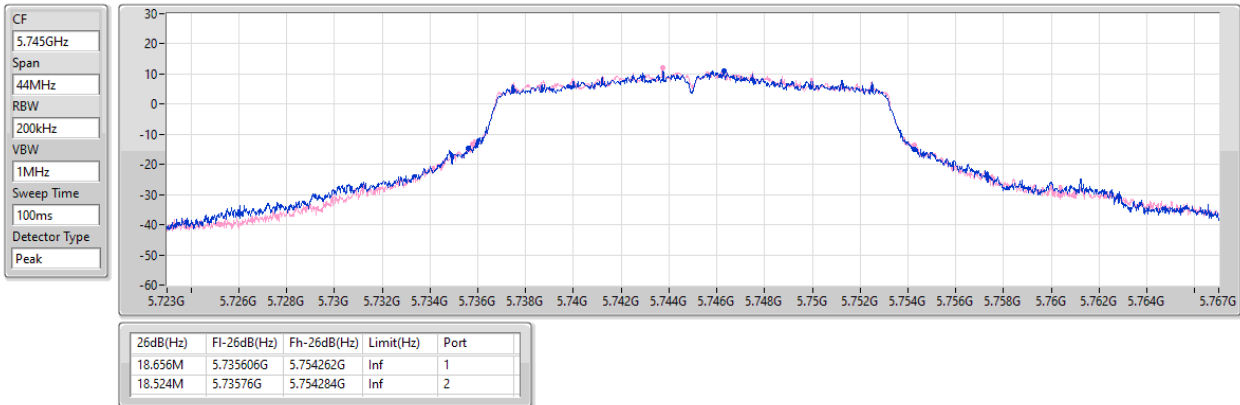

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5745MHz

16/05/2023

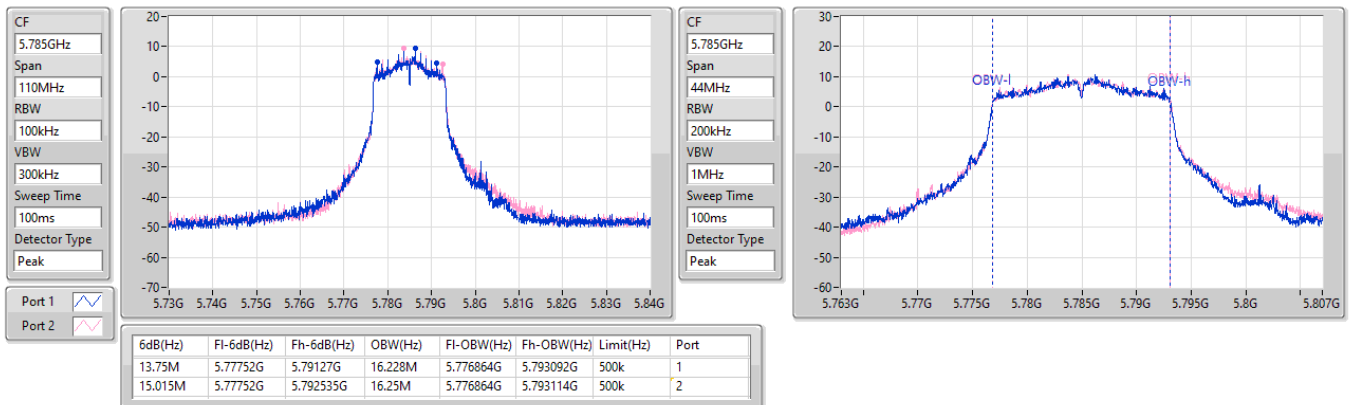


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5745MHz

16/05/2023

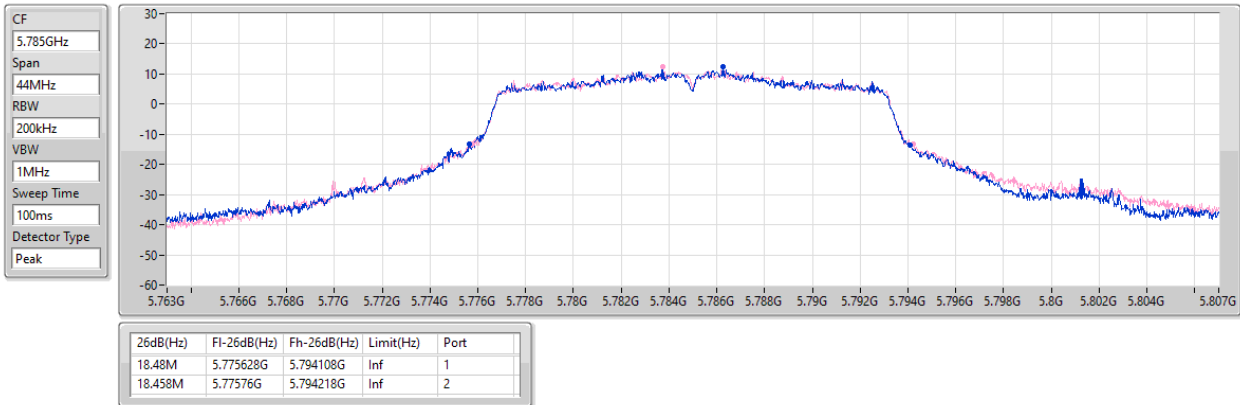

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5785MHz

16/05/2023

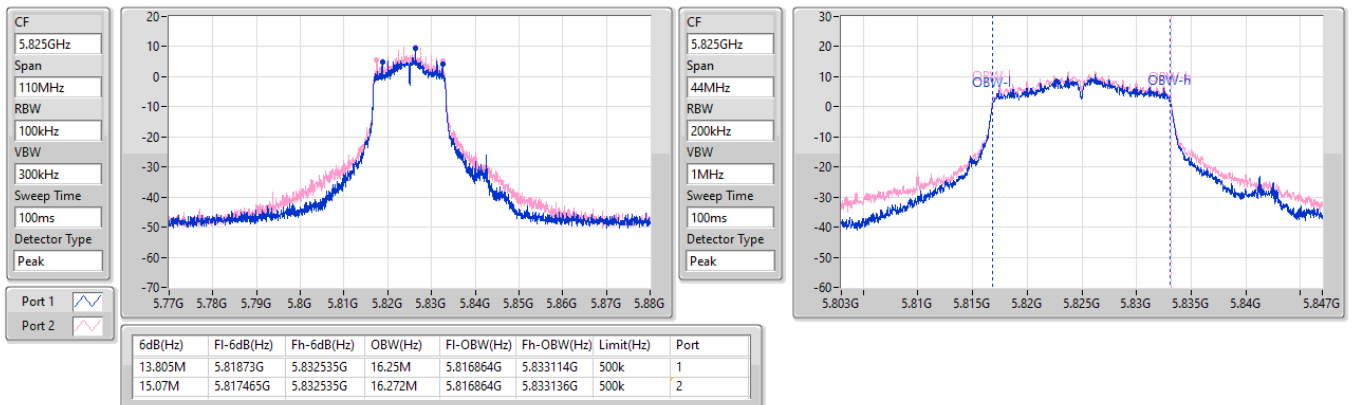


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5785MHz

16/05/2023

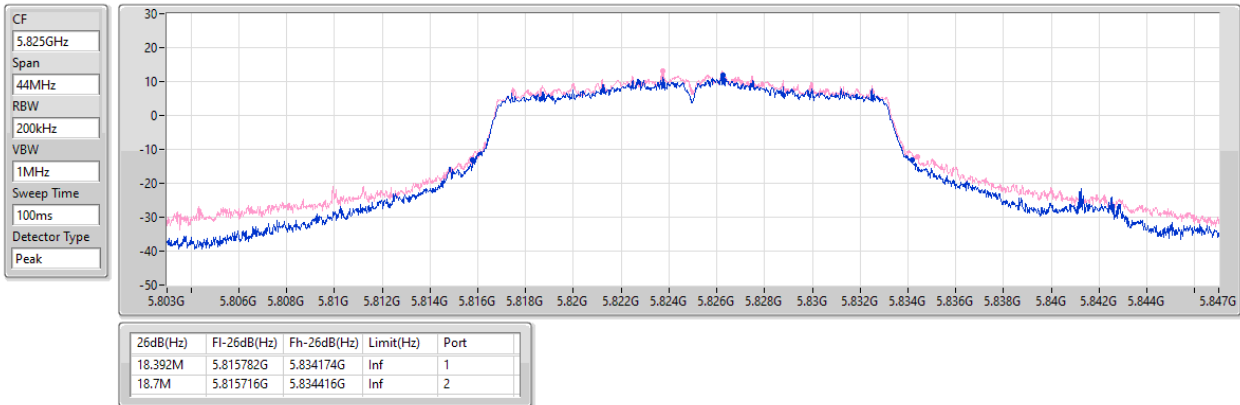

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5825MHz

16/05/2023

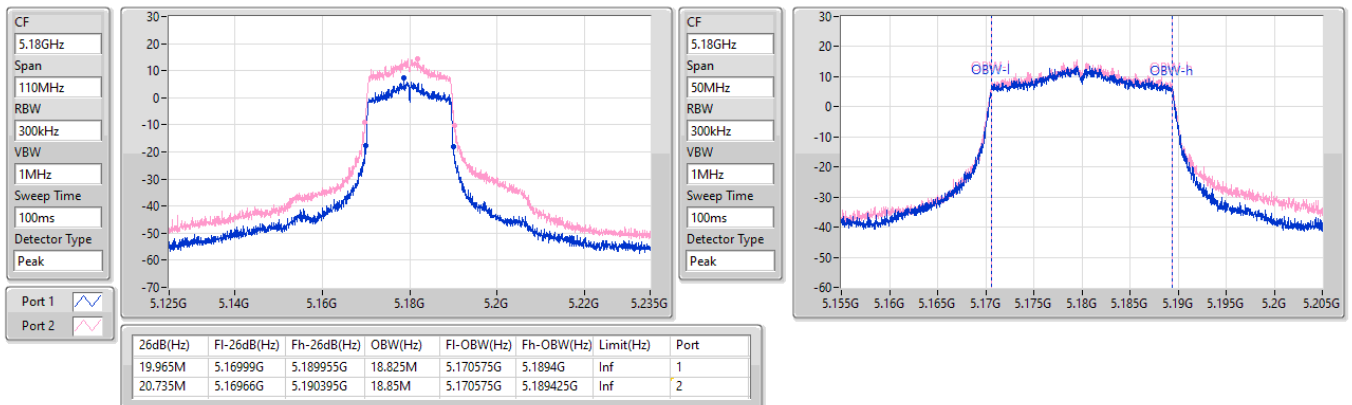


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5825MHz

16/05/2023

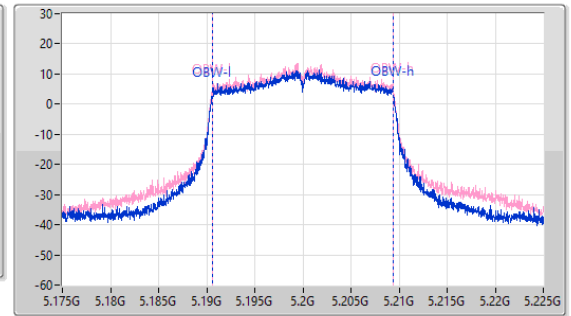
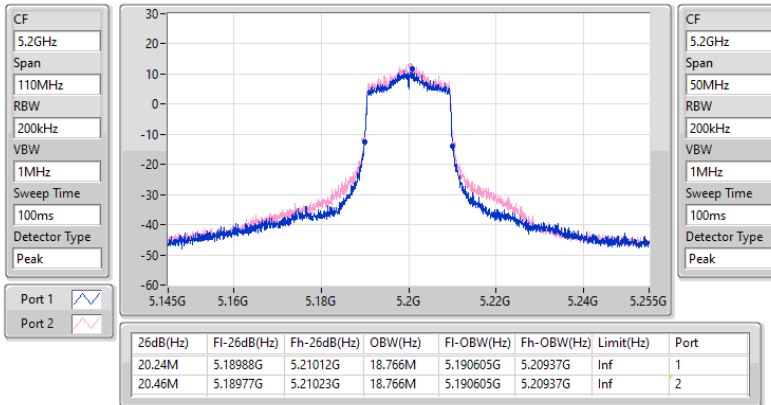

5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX
EBW
5180MHz

16/05/2023

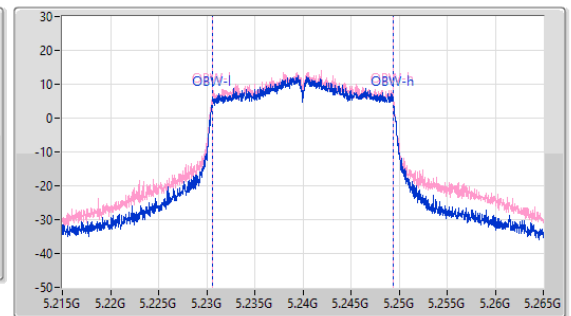
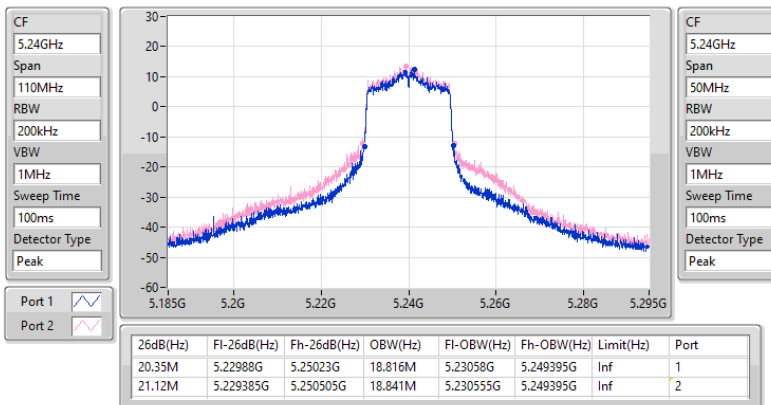


5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5200MHz

16/05/2023


5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5240MHz

16/05/2023

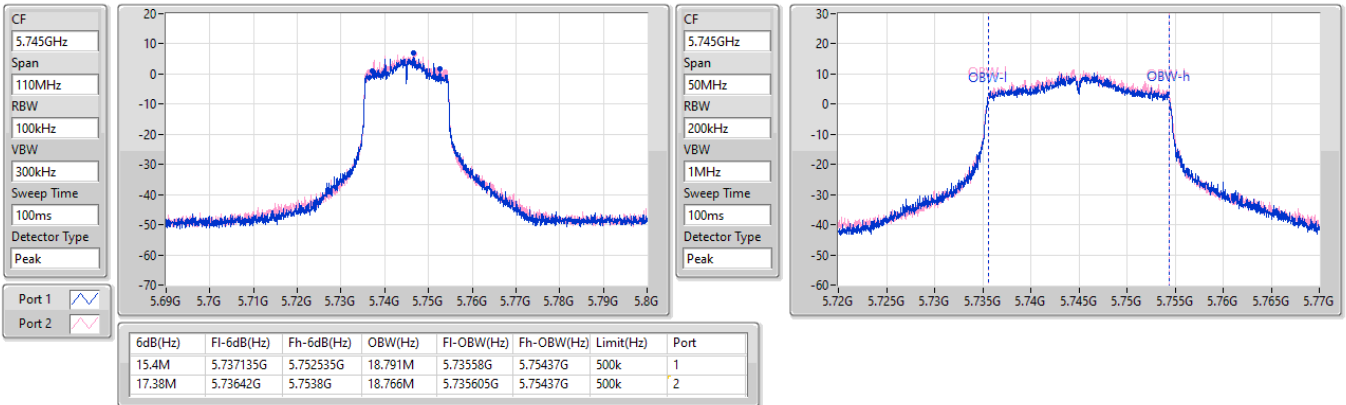


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5745MHz

16/05/2023

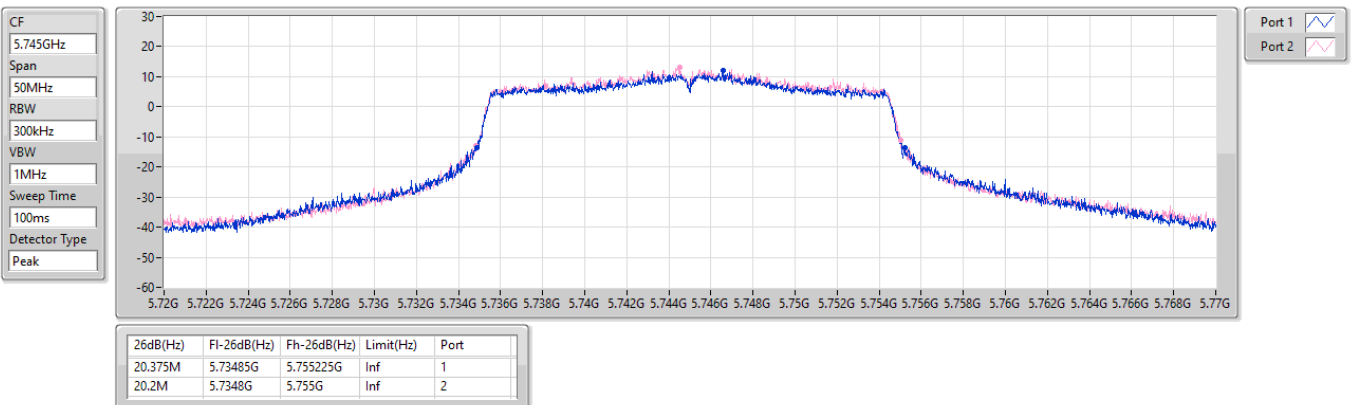


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

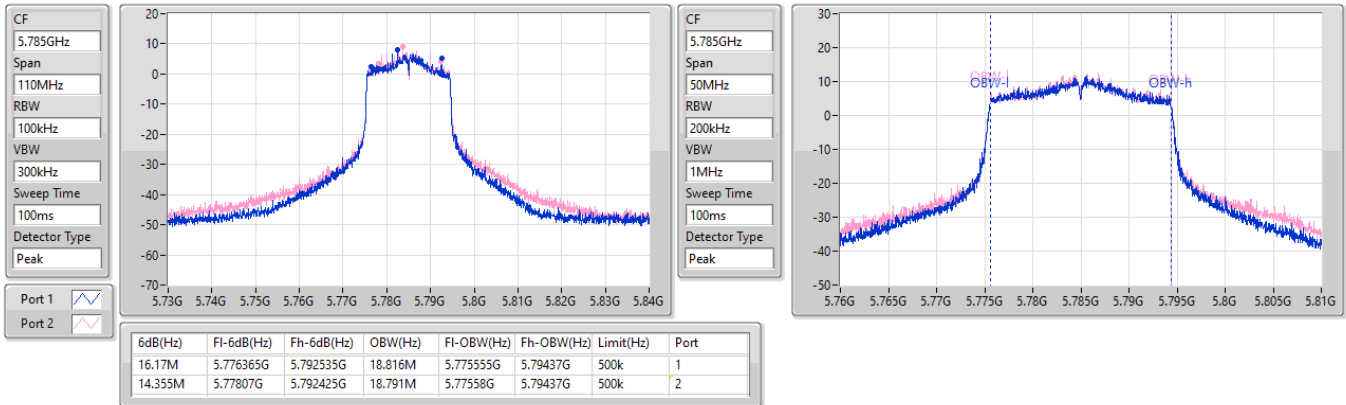
5745MHz

16/05/2023

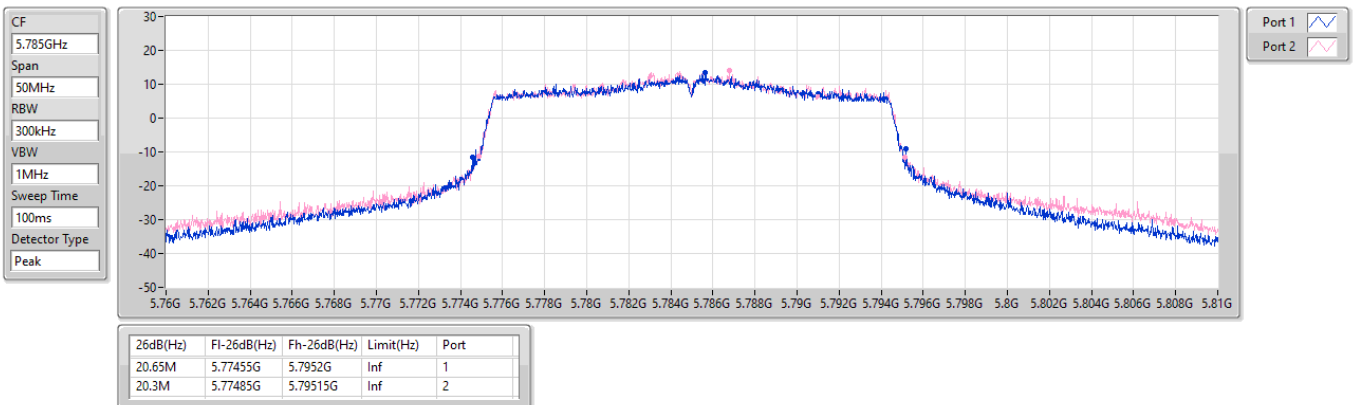


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5785MHz

16/05/2023


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5785MHz

16/05/2023

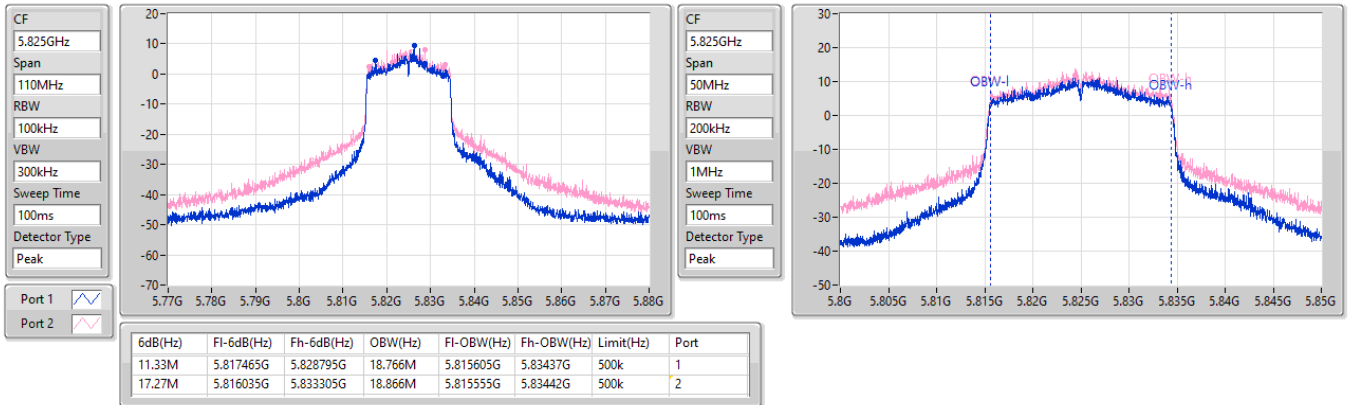


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5825MHz

16/05/2023

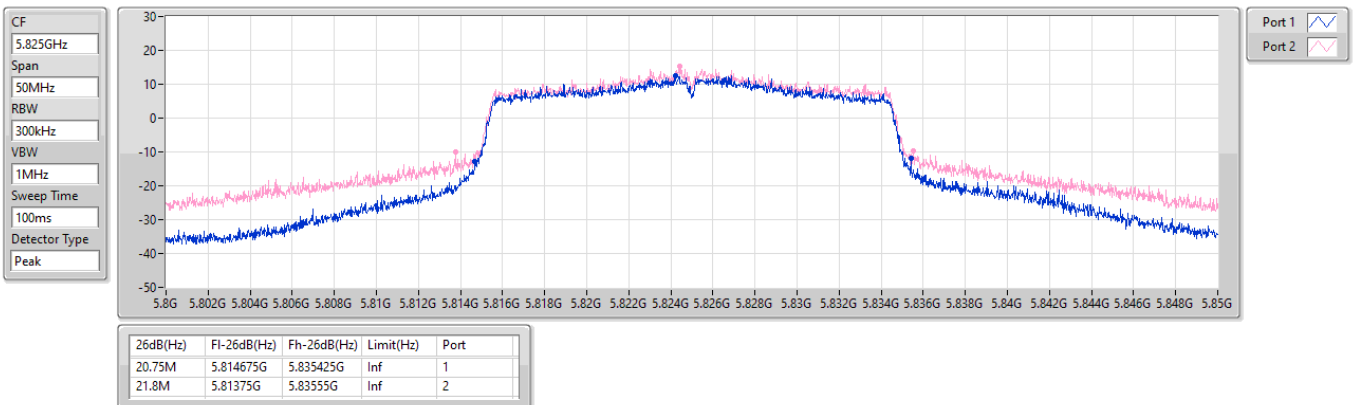


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

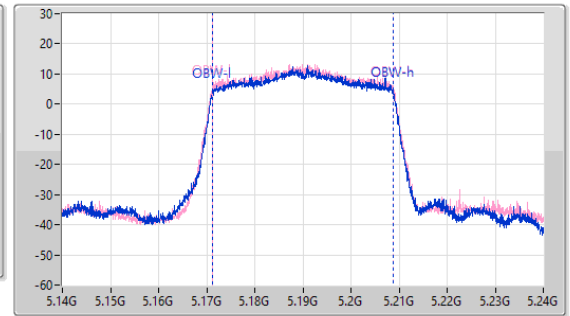
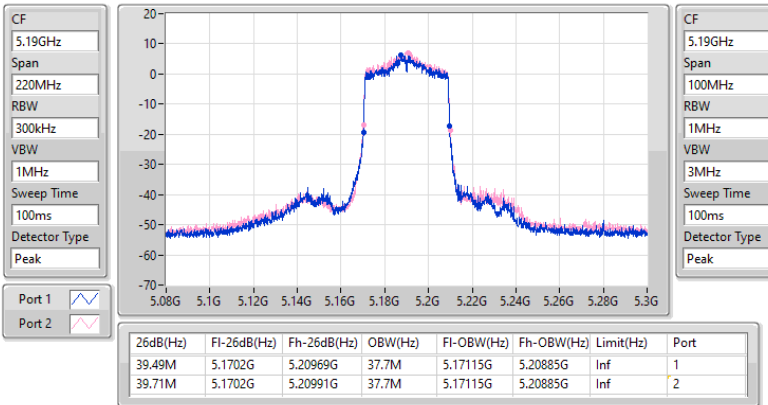
5825MHz

16/05/2023

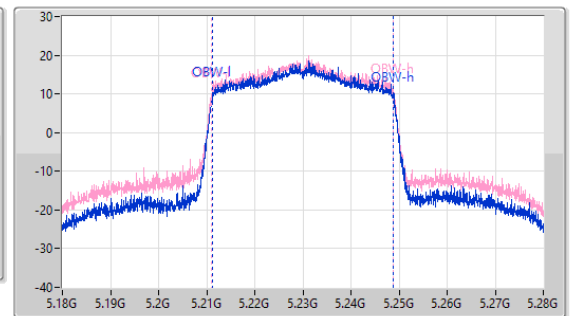
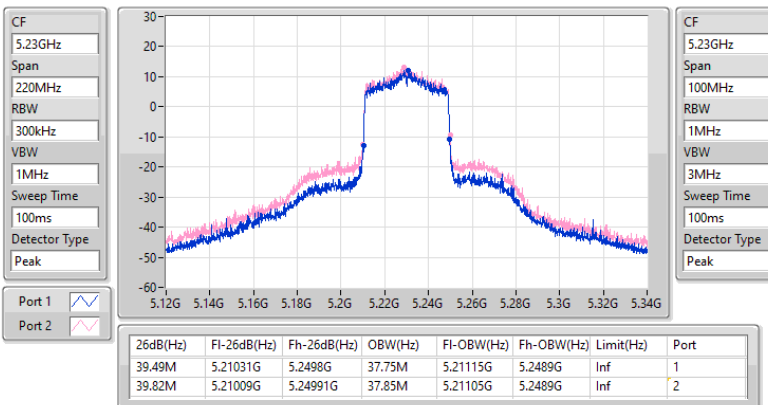


5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5190MHz

16/05/2023

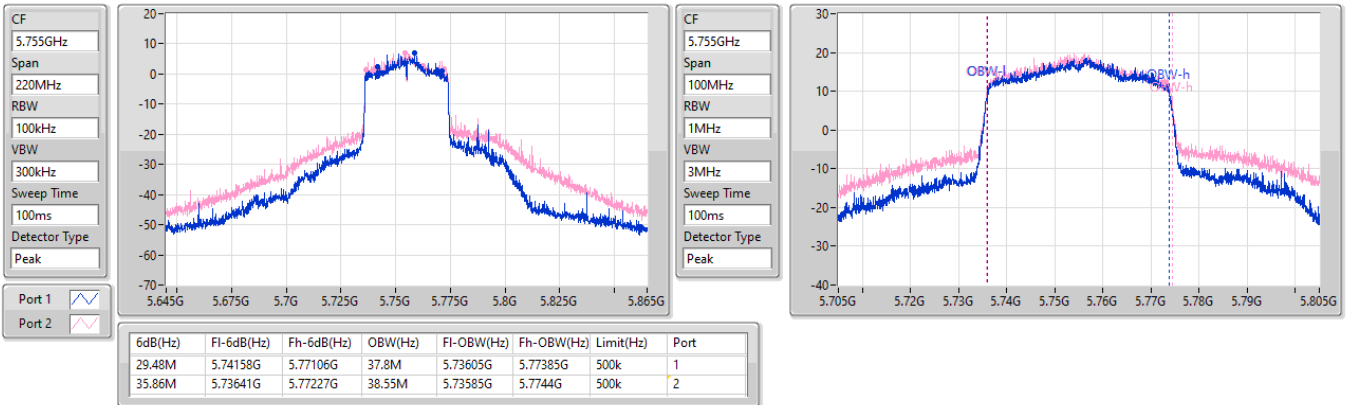

5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5230MHz

16/05/2023

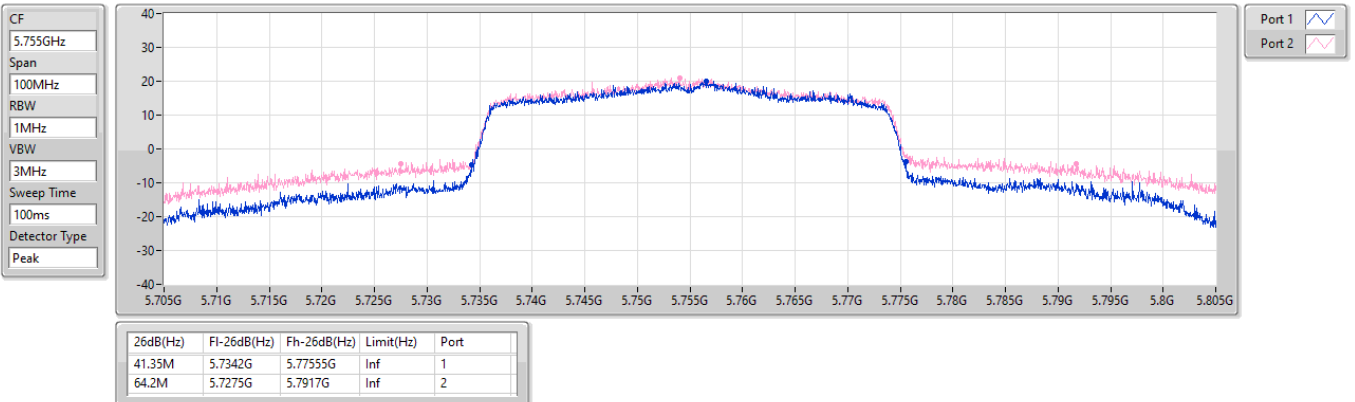


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5755MHz

16/05/2023


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5755MHz

16/05/2023

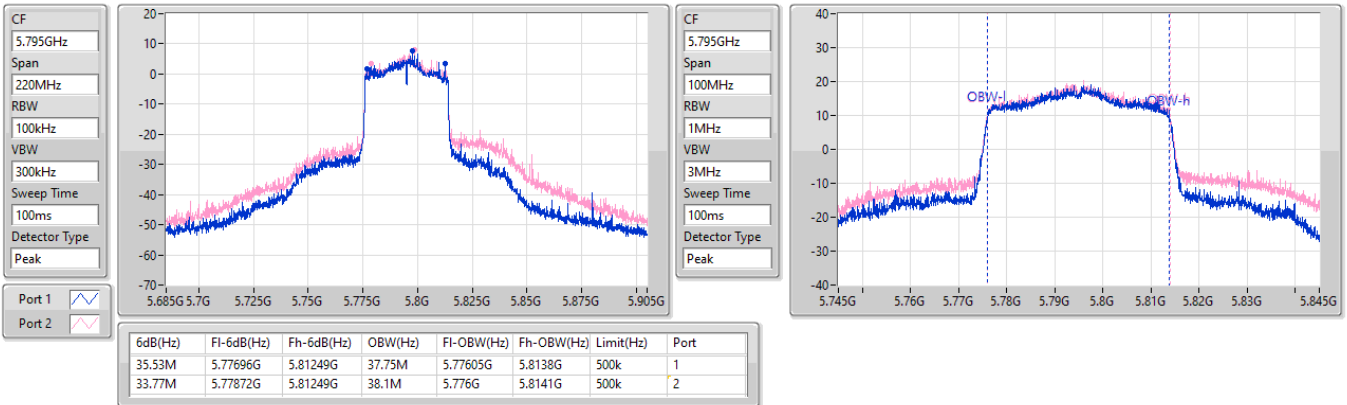


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5795MHz

16/05/2023

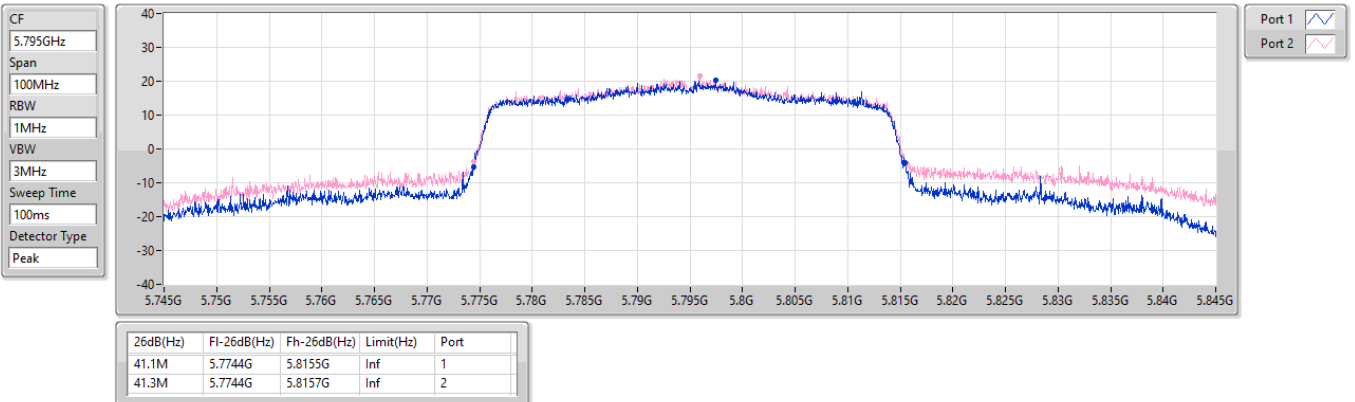


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

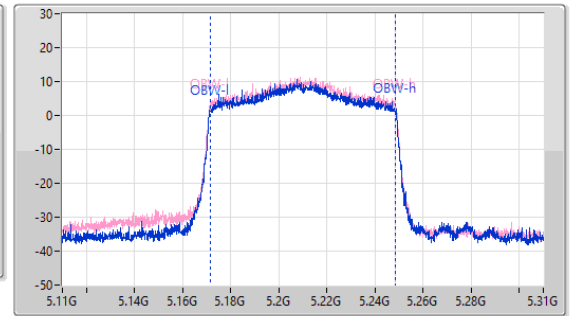
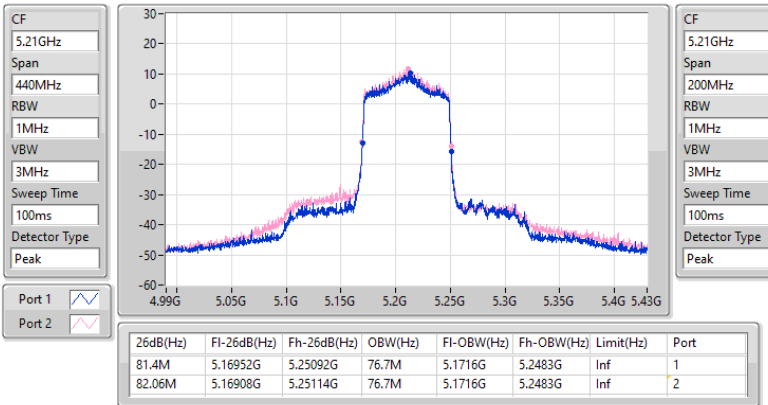
5795MHz

16/05/2023

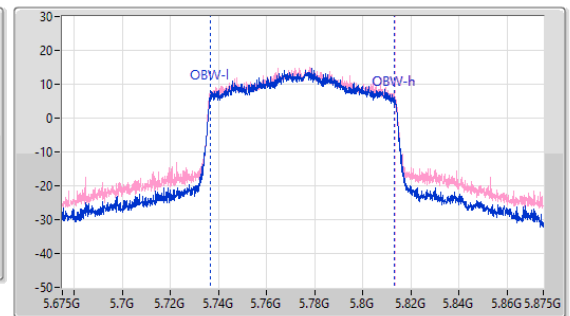
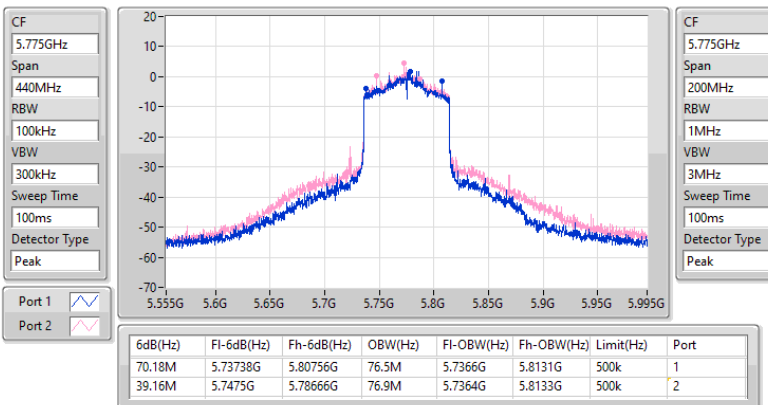


5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5210MHz

16/05/2023


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5775MHz

16/05/2023

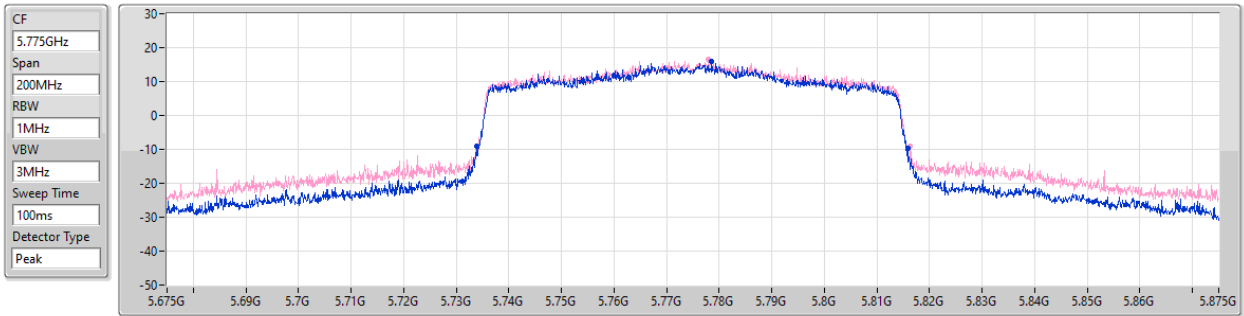


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5775MHz

16/05/2023



26dB(Hz)	F1-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
82.1M	5.7338G	5.8159G	Inf	1
82.6M	5.7338G	5.8164G	Inf	2

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	23.95	0.24831	28.50	0.70795
802.11ax HEW20_Nss1,(MCS0)_2TX	23.81	0.24044	28.36	0.68549
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	23.81	0.24044	31.18	1.31220
802.11ax HEW40_Nss1,(MCS0)_2TX	23.12	0.20512	27.67	0.58479
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	23.12	0.20512	30.49	1.11944
802.11ax HEW80_Nss1,(MCS0)_2TX	18.37	0.06871	22.92	0.19588
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	18.37	0.06871	25.74	0.37497
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.37	0.17258	27.80	0.60256
802.11ax HEW20_Nss1,(MCS0)_2TX	22.75	0.18836	28.18	0.65766
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	22.75	0.18836	31.17	1.30918
802.11ax HEW40_Nss1,(MCS0)_2TX	23.58	0.22803	29.01	0.79616
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	23.58	0.22803	32.00	1.58489
802.11ax HEW80_Nss1,(MCS0)_2TX	21.40	0.13804	26.83	0.48195
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	21.40	0.13804	29.82	0.95940

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.55	18.71	19.89	22.35	30.00	26.90	36.00
5200MHz	Pass	4.55	19.19	20.46	22.88	30.00	27.43	36.00
5240MHz	Pass	4.55	20.29	21.50	23.95	30.00	28.50	36.00
5745MHz	Pass	5.43	18.43	18.90	21.68	30.00	27.11	36.00
5785MHz	Pass	5.43	18.92	19.17	22.06	30.00	27.49	36.00
5825MHz	Pass	5.43	18.68	19.95	22.37	30.00	27.80	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.55	18.03	18.98	21.54	30.00	26.09	36.00
5200MHz	Pass	4.55	18.92	20.27	22.66	30.00	27.21	36.00
5240MHz	Pass	4.55	20.11	21.40	23.81	30.00	28.36	36.00
5745MHz	Pass	5.43	17.78	18.63	21.24	30.00	26.67	36.00
5785MHz	Pass	5.43	19.35	19.61	22.49	30.00	27.92	36.00
5825MHz	Pass	5.43	18.93	20.43	22.75	30.00	28.18	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.55	14.22	15.24	17.77	30.00	22.32	36.00
5230MHz	Pass	4.55	19.34	20.77	23.12	30.00	27.67	36.00
5755MHz	Pass	5.43	20.10	20.99	23.58	30.00	29.01	36.00
5795MHz	Pass	5.43	19.47	20.00	22.75	30.00	28.18	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.55	14.80	15.85	18.37	30.00	22.92	36.00
5775MHz	Pass	5.43	18.03	18.72	21.40	30.00	26.83	36.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.37	18.03	18.98	21.54	28.63	28.91	36.00
5200MHz	Pass	7.37	18.92	20.27	22.66	28.63	30.03	36.00
5240MHz	Pass	7.37	20.11	21.40	23.81	28.63	31.18	36.00
5745MHz	Pass	8.42	17.78	18.63	21.24	27.58	29.66	36.00
5785MHz	Pass	8.42	19.35	19.61	22.49	27.58	30.91	36.00
5825MHz	Pass	8.42	18.93	20.43	22.75	27.58	31.17	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.37	14.22	15.24	17.77	28.63	25.14	36.00
5230MHz	Pass	7.37	19.34	20.77	23.12	28.63	30.49	36.00
5755MHz	Pass	8.42	20.10	20.99	23.58	27.58	32.00	36.00
5795MHz	Pass	8.42	19.47	20.00	22.75	27.58	31.17	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.37	14.80	15.85	18.37	28.63	25.74	36.00
5775MHz	Pass	8.42	18.03	18.72	21.40	27.58	29.82	36.00

DG = Directional Gain; Port X = Port X output power

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	12.66	20.03
802.11ax HEW20_Nss1,(MCS0)_2TX	11.99	19.36
802.11ax HEW40_Nss1,(MCS0)_2TX	8.89	16.26
802.11ax HEW80_Nss1,(MCS0)_2TX	1.14	8.51
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.62	18.04
802.11ax HEW20_Nss1,(MCS0)_2TX	9.39	17.81
802.11ax HEW40_Nss1,(MCS0)_2TX	8.69	17.11
802.11ax HEW80_Nss1,(MCS0)_2TX	3.73	12.15

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.37	7.22	8.93	11.16	15.63	18.53	23.00
5200MHz	Pass	7.37	8.09	9.33	11.75	15.63	19.12	23.00
5240MHz	Pass	7.37	9.05	10.19	12.66	15.63	20.03	23.00
5720MHz Straddle 5.725-5.85GHz								
5745MHz	Pass	8.42	5.87	6.13	8.98	27.58	17.40	36.00
5785MHz	Pass	8.42	6.26	6.34	9.29	27.58	17.71	36.00
5825MHz	Pass	8.42	5.99	7.26	9.62	27.58	18.04	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.37	6.31	7.15	9.75	15.63	17.12	23.00
5200MHz	Pass	7.37	7.38	8.66	11.01	15.63	18.38	23.00
5240MHz	Pass	7.37	8.34	9.58	11.99	15.63	19.36	23.00
5720MHz Straddle 5.725-5.85GHz								
5745MHz	Pass	8.42	4.77	5.49	8.04	27.58	16.46	36.00
5785MHz	Pass	8.42	6.06	6.23	9.08	27.58	17.50	36.00
5825MHz	Pass	8.42	5.59	7.16	9.39	27.58	17.81	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.37	-0.52	0.65	3.02	15.63	10.39	23.00
5230MHz	Pass	7.37	5.28	6.42	8.89	15.63	16.26	23.00
5710MHz Straddle 5.725-5.85GHz								
5755MHz	Pass	8.42	5.35	6.00	8.69	27.58	17.11	36.00
5795MHz	Pass	8.42	5.06	5.63	8.34	27.58	16.76	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.37	-2.32	-1.40	1.14	15.63	8.51	23.00
5690MHz Straddle 5.725-5.85GHz								
5775MHz	Pass	8.42	0.59	1.02	3.73	27.58	12.15	36.00

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

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

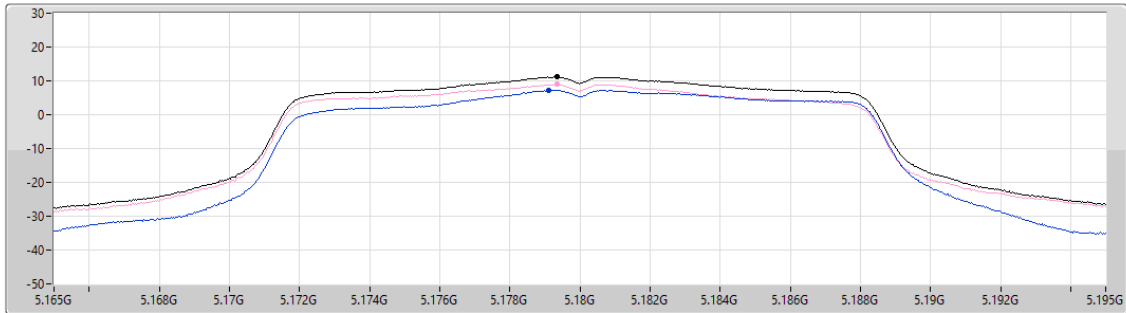
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5180MHz

16/05/2023

CF
5.18GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.16	11.16	7.22	8.93

Sum
Port 1
Port 2

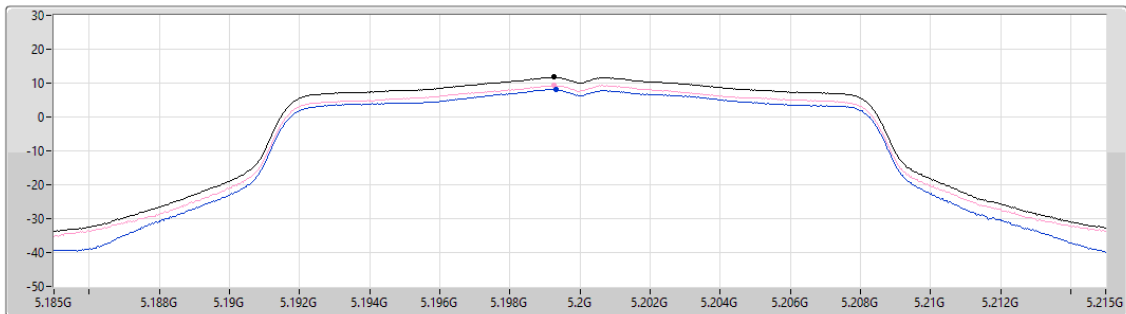
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5200MHz

16/05/2023

CF
5.2GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.75	11.75	8.09	9.33

Sum
Port 1
Port 2

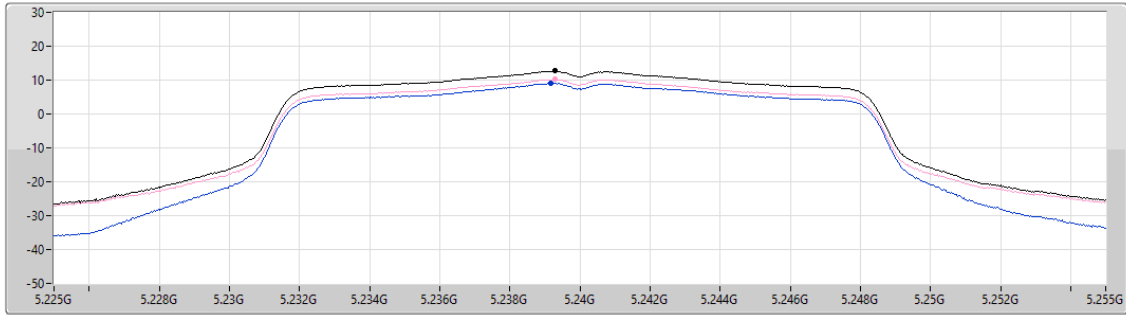
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5240MHz

16/05/2023

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.66	12.66	9.05	10.19

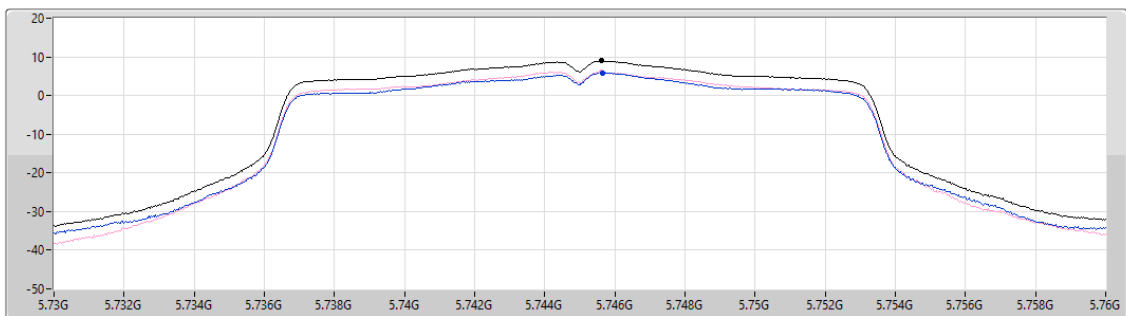
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5745MHz

16/05/2023

CF
5.745GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.98	8.98	5.87	6.13

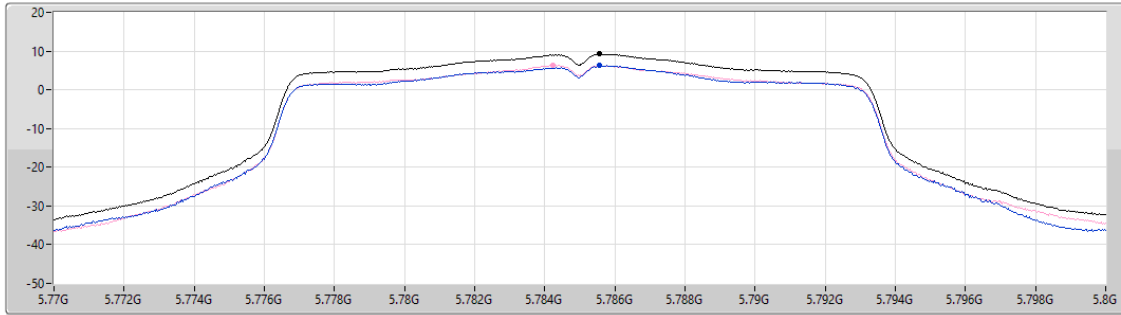
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5785MHz

16/05/2023

CF
5.785GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
9.29	9.29	6.26	6.34

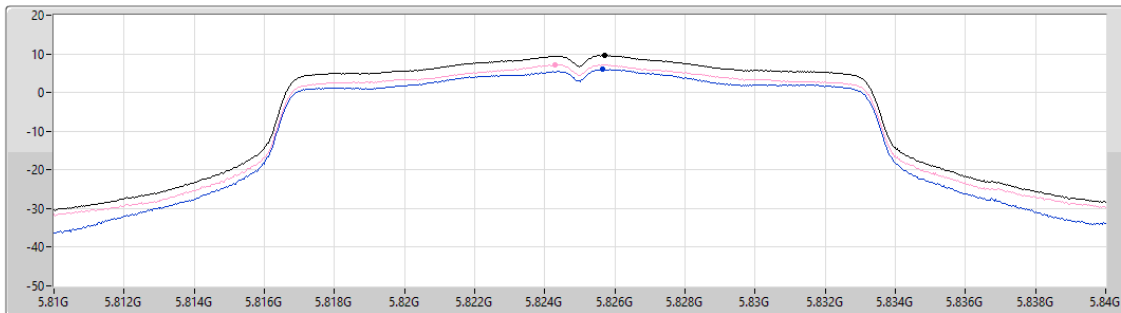
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5825MHz

16/05/2023

CF
5.825GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
9.62	9.62	5.99	7.26

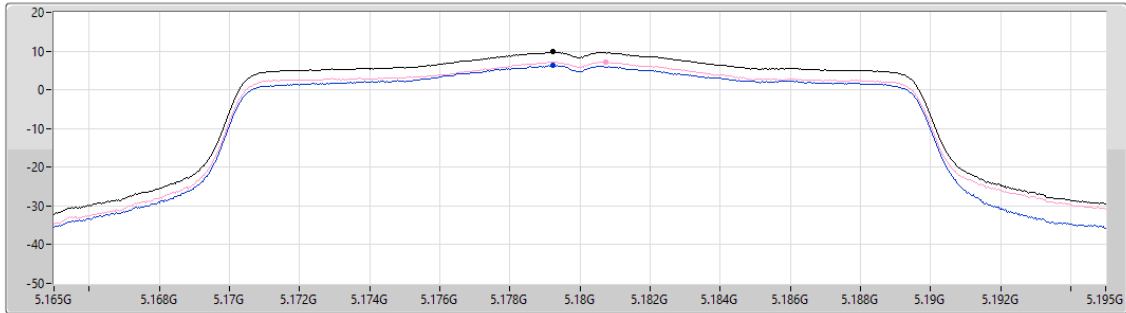
5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

5180MHz

16/05/2023

CF
5.18GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
9.75	9.75	6.31	7.15

Sum
Port 1
Port 2

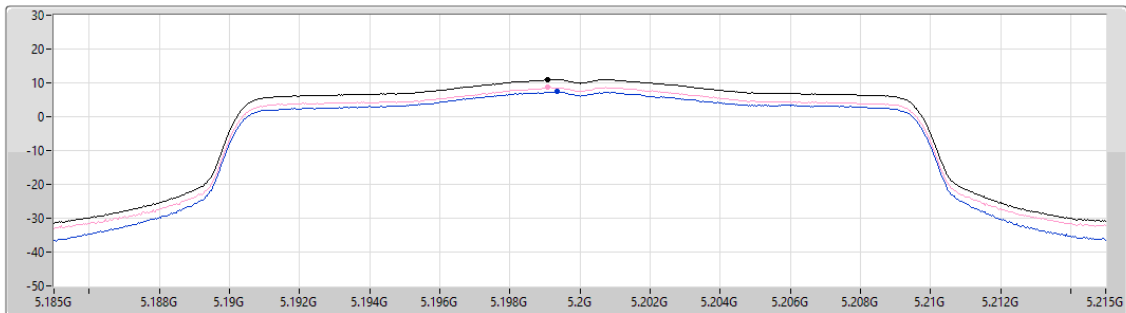
5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

5200MHz

16/05/2023

CF
5.2GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
11.01	11.01	7.38	8.66

Sum
Port 1
Port 2

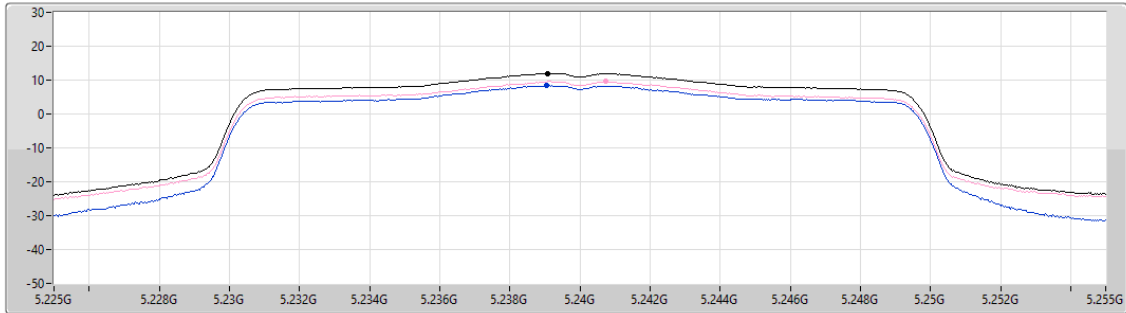
5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5240MHz

16/05/2023

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
11.99	11.99	8.34	9.58

Sum
Port 1
Port 2

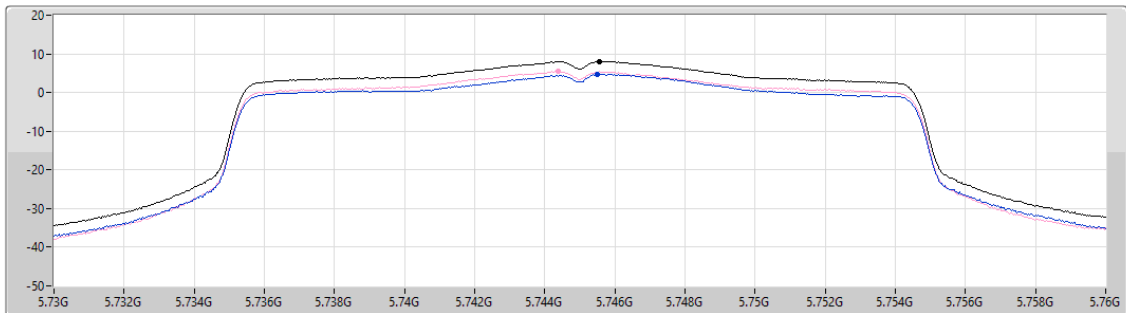
5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5745MHz

16/05/2023

CF
5.745GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
8.04	8.04	4.77	5.49

Sum
Port 1
Port 2

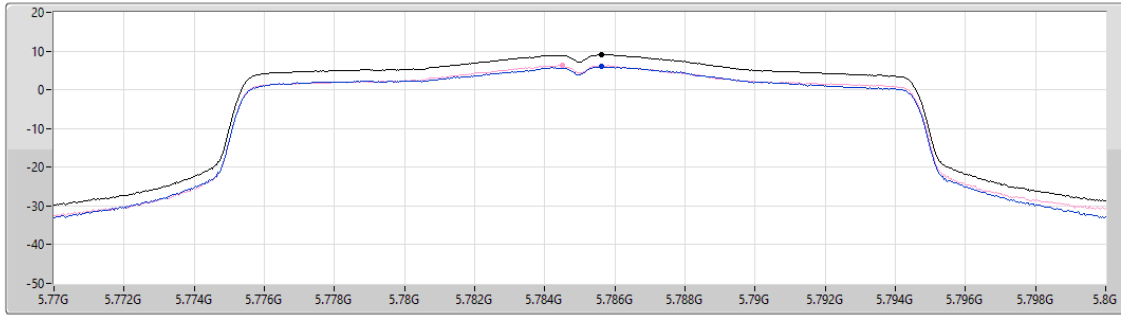
5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5785MHz

16/05/2023

CF
5.785GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.08	9.08	6.06	6.23

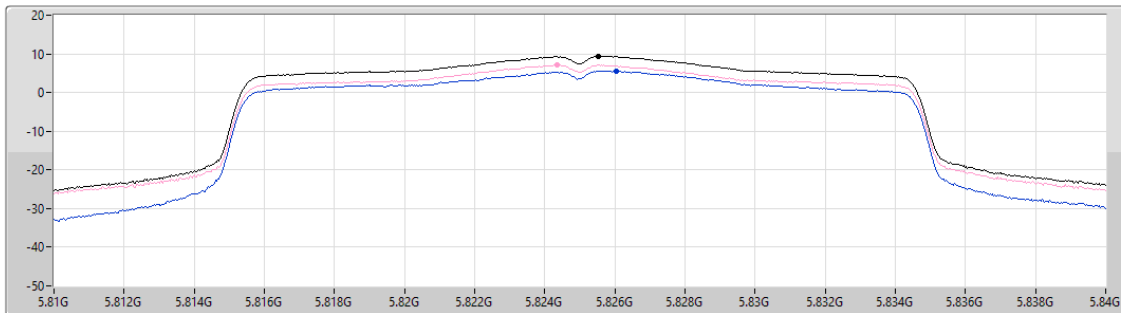
5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5825MHz

16/05/2023

CF
5.825GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.39	9.39	5.59	7.16

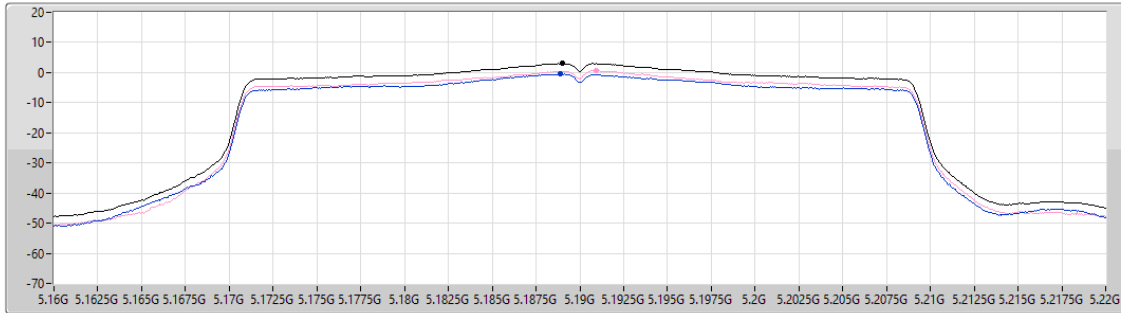
5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5190MHz

16/05/2023

CF
5.19GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.02	3.02	-0.52	0.65

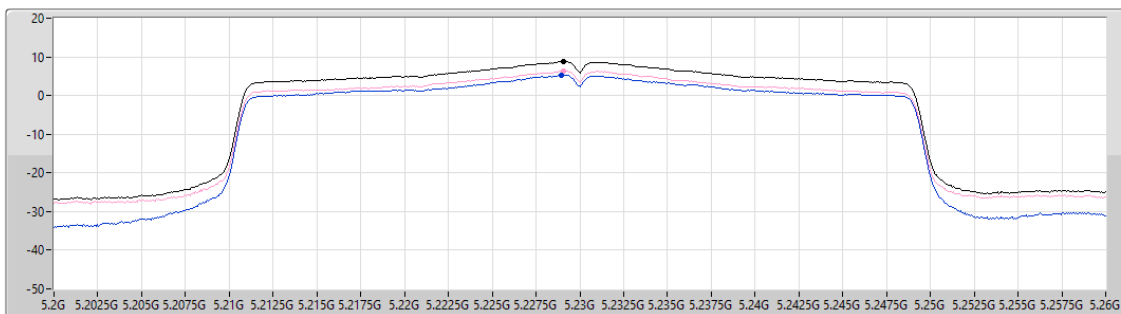
5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5230MHz

16/05/2023

CF
5.23GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

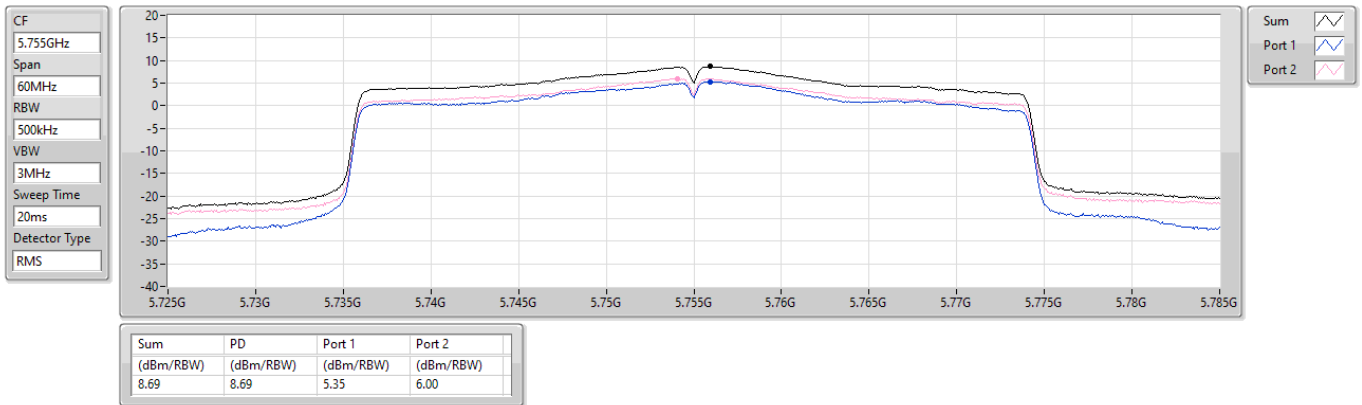
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.89	8.89	5.28	6.42

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5755MHz

16/05/2023

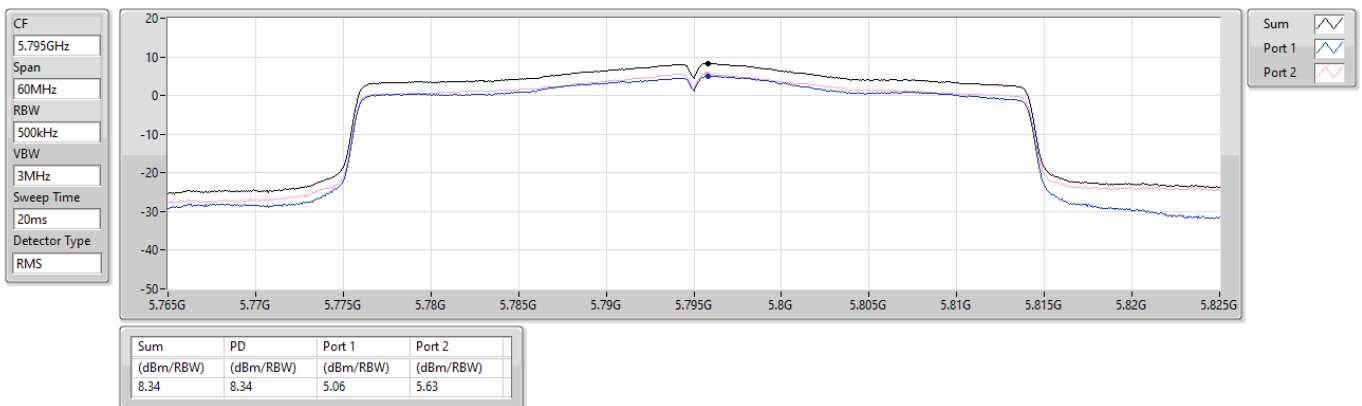


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5795MHz

16/05/2023



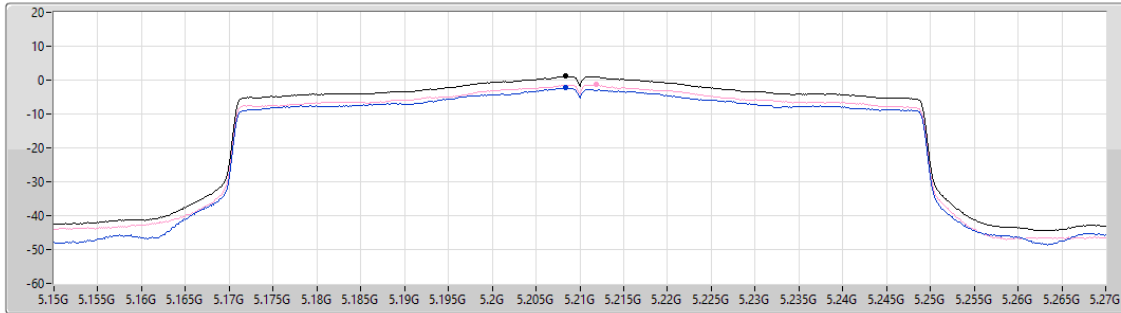
5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5210MHz

16/05/2023

CF
5.21GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.14	1.14	-2.32	-1.40

Sum
Port 1
Port 2

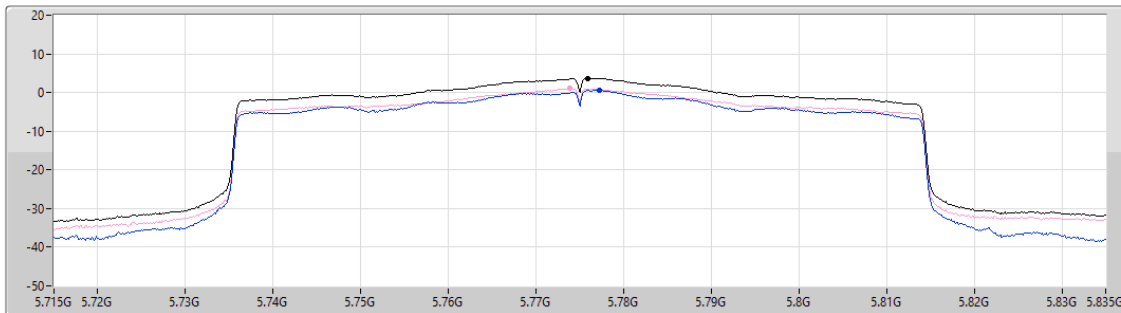
5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5775MHz

16/05/2023

CF
5.775GHz
Span
120MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.73	3.73	0.59	1.02

Sum
Port 1
Port 2



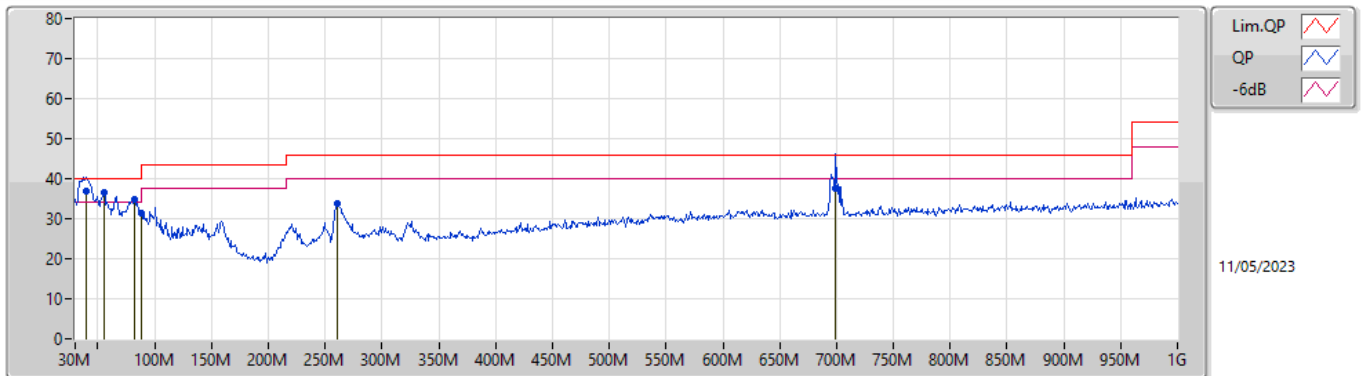
Radiated Emissions below 1GHz

Appendix E.1

Summary

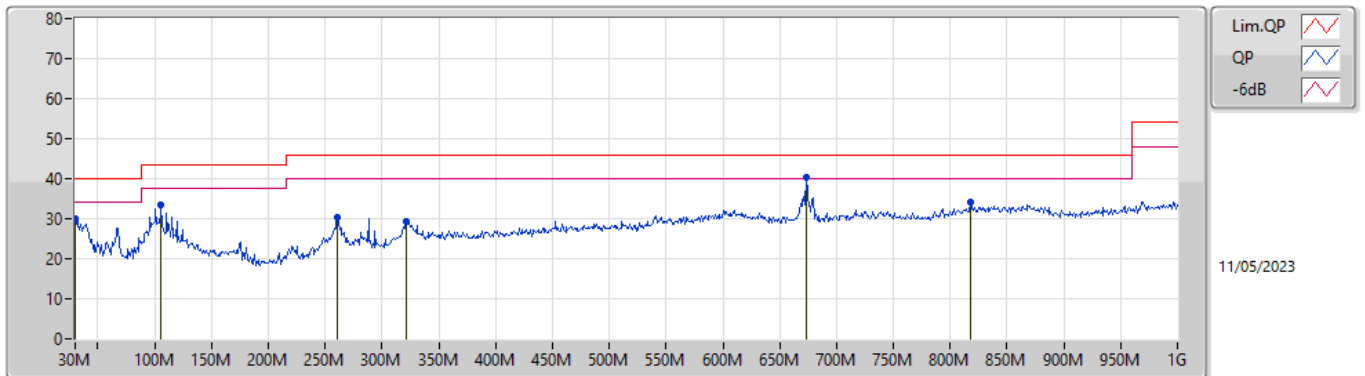
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 4	Pass	QP	39.7M	36.98	40.00	-3.02	Vertical

Mode 4



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	39.7M	36.98	40.00	-3.02	-24.32	3	Vertical	251	1.00	"Worst"	61.30	19.05	0.71	44.08
PK	55.22M	36.39	40.00	-3.61	-29.88	3	Vertical	185	1.00	-	66.27	13.39	0.83	44.10
PK	82.38M	35.00	40.00	-5.00	-30.21	3	Vertical	126	1.00	-	65.21	12.99	1.00	44.20
PK	88M	31.47	43.50	-12.03	-29.23	3	Vertical	201	1.00	-	60.70	13.97	1.03	44.23
PK	260.86M	33.73	46.00	-12.27	-22.95	3	Vertical	74	1.00	-	56.68	19.10	1.77	43.82
QP	699.3M	37.47	46.00	-8.53	-15.13	3	Vertical	137	1.50	-	52.60	25.10	2.83	43.06

Mode 4



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	30M	29.88	40.00	-10.12	-19.02	3	Horizontal	244	1.00	-	48.90	24.34	0.63	43.99
PK	105.66M	33.49	43.50	-10.01	-25.71	3	Horizontal	15	2.00	-	59.20	17.41	1.12	44.24
PK	260.86M	30.32	46.00	-15.68	-22.95	3	Horizontal	101	1.00	-	53.27	19.10	1.77	43.82
PK	321.97M	29.41	46.00	-16.59	-22.35	3	Horizontal	226	1.00	-	51.76	19.49	1.97	43.81
PK	673.11M	40.32	46.00	-5.68	-14.98	3	Horizontal	255	1.00	"Worst"	55.30	25.42	2.78	43.18
PK	817.64M	34.04	46.00	-11.96	-13.72	3	Horizontal	136	3.00	-	47.76	26.14	3.10	42.96

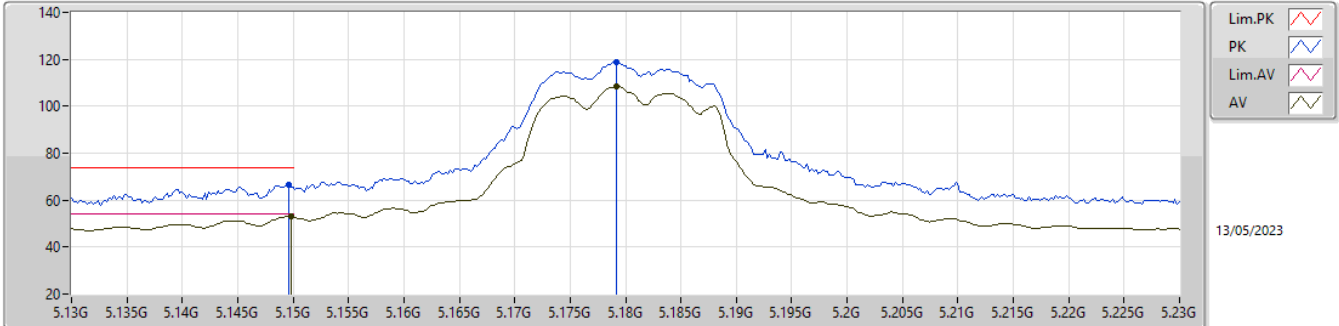


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.15G	53.95	54.00	-0.05	3	Vertical	84	2.48	-

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

5180MHz_TX

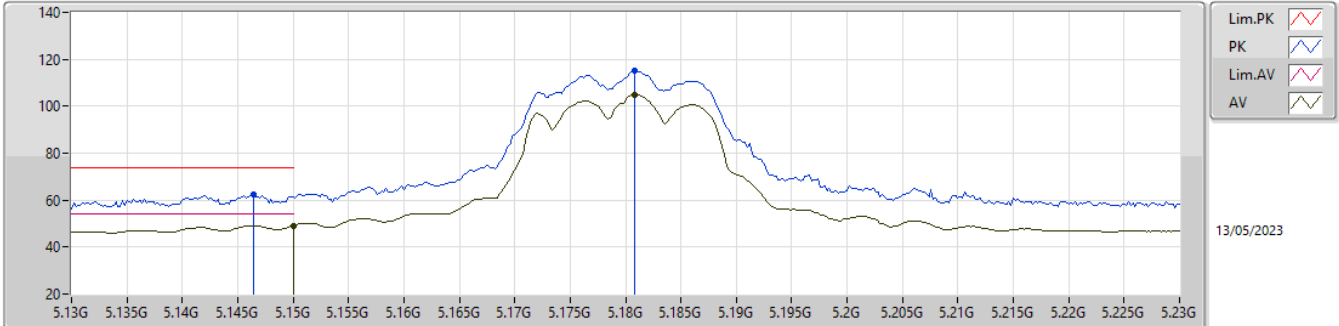


EUT_Z_2TX
Setting 19.5
04-H-5-8-10

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	5.1496G	66.77	74.00	-7.23	60.94	3	Vertical	74	2.53	-	32.90	5.45	32.52			
AV	5.1498G	53.06	54.00	-0.94	47.23	3	Vertical	74	2.53	-	32.90	5.45	32.52			
PK	5.1792G	118.75	Inf	-Inf	112.88	3	Vertical	74	2.53	-	32.90	5.48	32.51			
AV	5.1792G	108.61	Inf	-Inf	102.74	3	Vertical	74	2.53	-	32.90	5.48	32.51			

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

5180MHz_TX

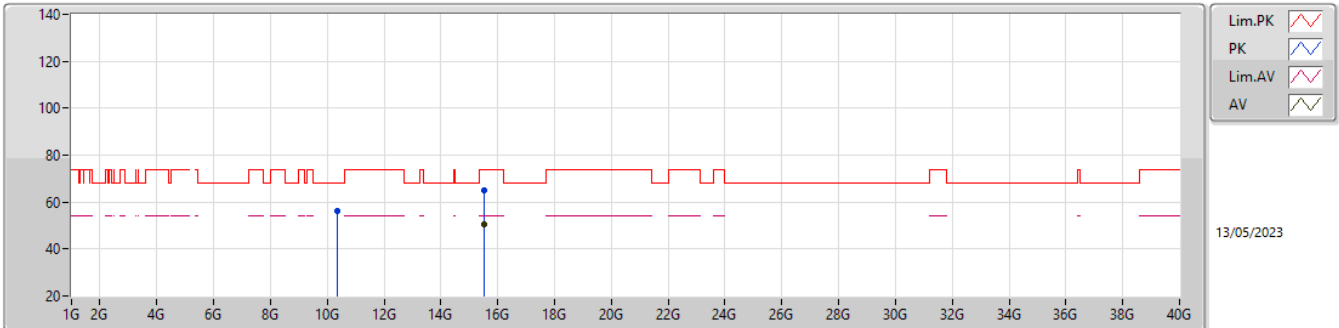


EUT_Z_2TX
Setting 19.5
04-H-S-8-10

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	5.1464G	62.27	74.00	-11.73	56.43	3	Horizontal	14	3.00	-	32.91	5.45	32.52			
AV	5.15G	49.15	54.00	-4.85	43.32	3	Horizontal	14	3.00	-	32.90	5.45	32.52			
PK	5.1808G	115.04	Inf	-Inf	109.17	3	Horizontal	14	3.00	-	32.90	5.48	32.51			
AV	5.1808G	104.97	Inf	-Inf	99.10	3	Horizontal	14	3.00	-	32.90	5.48	32.51			

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

5180MHz_TX

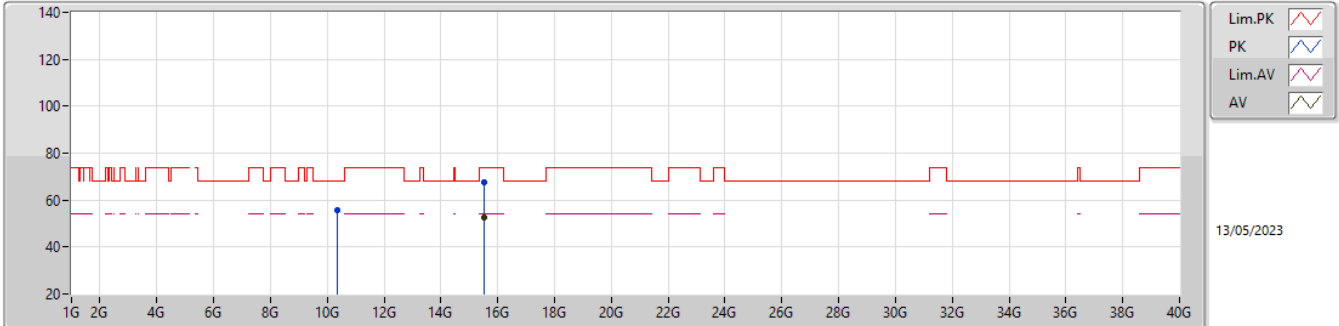


EUT_X_2TX
Setting 19.5
04-H-S-8

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	10.35672G	56.24	68.20	-11.96	42.25	3	Vertical	68	1.65	-	38.86	8.11	32.98			
PK	15.53964G	64.90	74.00	-9.10	49.80	3	Vertical	358	2.20	-	38.70	10.14	33.74			
AV	15.5392G	50.61	54.00	-3.39	35.51	3	Vertical	358	2.20	-	38.70	10.14	33.74			

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

5180MHz_TX

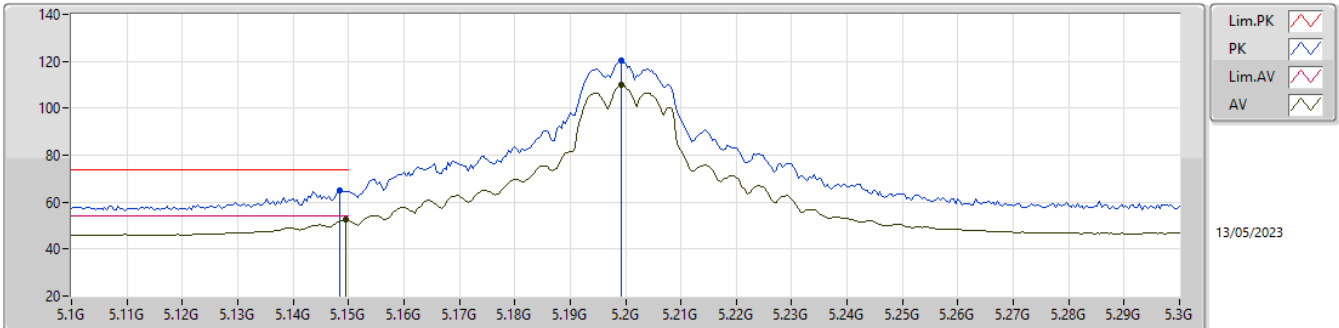


EUT_X_2TX
Setting 19.5
04-H-5-8

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	10.36116G	55.85	68.20	-12.35	41.86	3	Horizontal	140	1.51	-	38.86	8.11	32.98			
PK	15.53956G	67.56	74.00	-6.44	52.46	3	Horizontal	15	2.11	-	38.70	10.14	33.74			
AV	15.5396G	52.53	54.00	-1.47	37.43	3	Horizontal	15	2.11	-	38.70	10.14	33.74			

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

5200MHz_TX

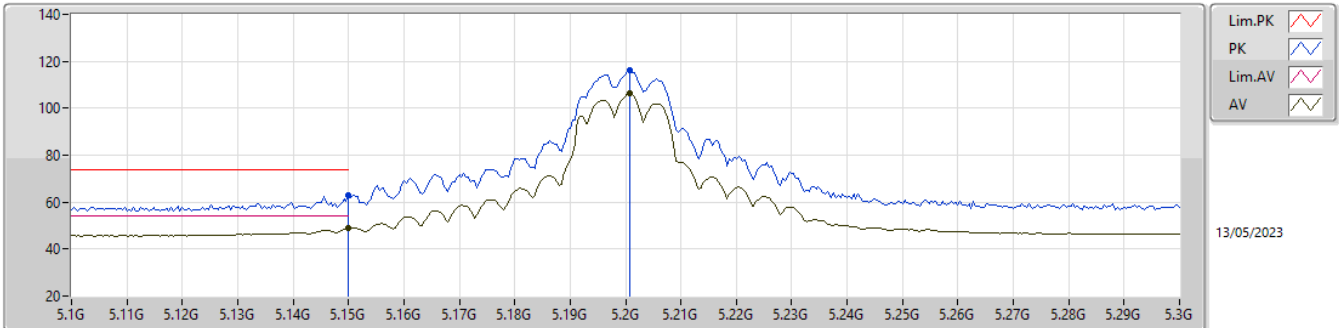


EUT_Z_2TX
Setting 21
04-H-5-8-10

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	5.1484G	64.86	74.00	-9.14	59.03	3	Vertical	75	2.38	-	32.90	5.45	32.52			
AV	5.1496G	52.47	54.00	-1.53	46.64	3	Vertical	75	2.38	-	32.90	5.45	32.52			
PK	5.1992G	120.20	Inf	-Inf	114.31	3	Vertical	75	2.38	-	32.90	5.50	32.51			
AV	5.1992G	109.95	Inf	-Inf	104.06	3	Vertical	75	2.38	-	32.90	5.50	32.51			

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

5200MHz_TX

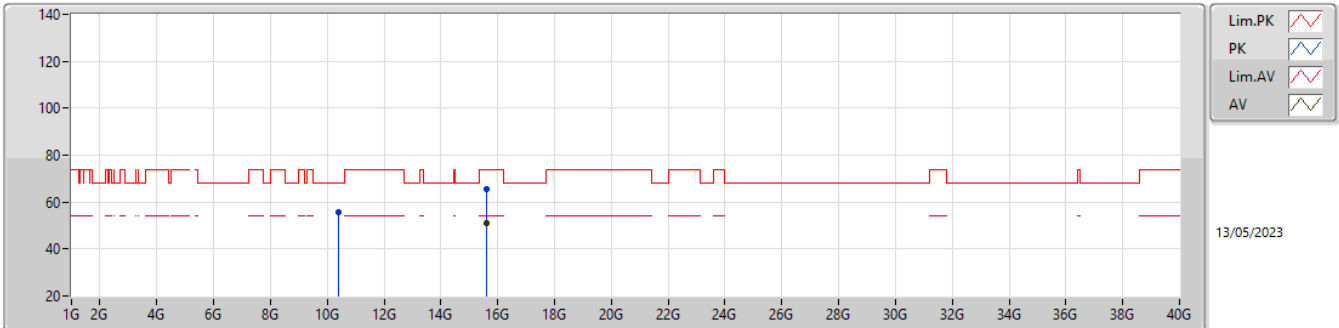


EUT_Z_2TX
Setting 21
04-H-5-8-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	5.15G	62.71	74.00	-11.29	56.88	3	Horizontal	12	2.81	-	32.90	5.45	32.52			
AV	5.15G	48.97	54.00	-5.03	43.14	3	Horizontal	12	2.81	-	32.90	5.45	32.52			
PK	5.2008G	115.95	Inf	-Inf	110.06	3	Horizontal	12	2.81	-	32.90	5.50	32.51			
AV	5.2008G	106.24	Inf	-Inf	100.35	3	Horizontal	12	2.81	-	32.90	5.50	32.51			

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

5200MHz_TX

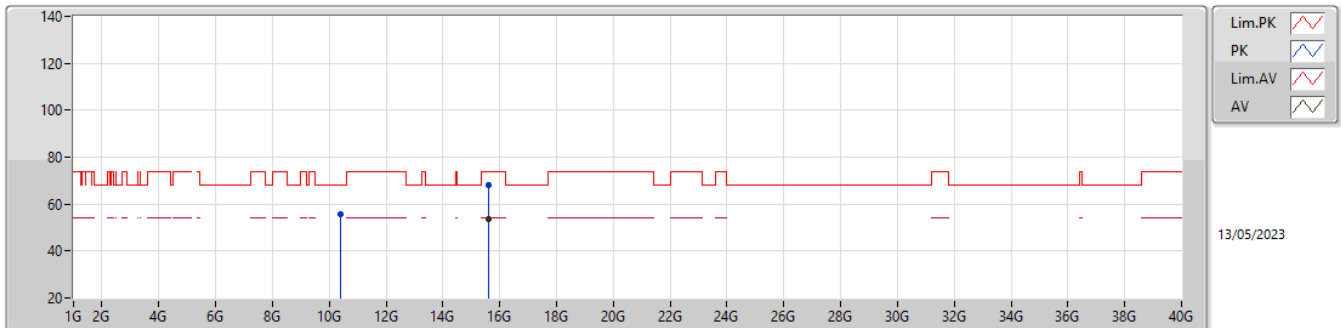


EUT_X_2TX
Setting 19.5
04-H-5-8

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	10.397G	55.61	68.20	-12.59	41.59	3	Vertical	56	2.37	-	38.90	8.12	33.00			
PK	15.59956G	65.72	74.00	-8.28	50.93	3	Vertical	356	2.16	-	38.40	10.16	33.77			
AV	15.5992G	51.01	54.00	-2.99	36.22	3	Vertical	356	2.16	-	38.40	10.16	33.77			

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

5200MHz_TX

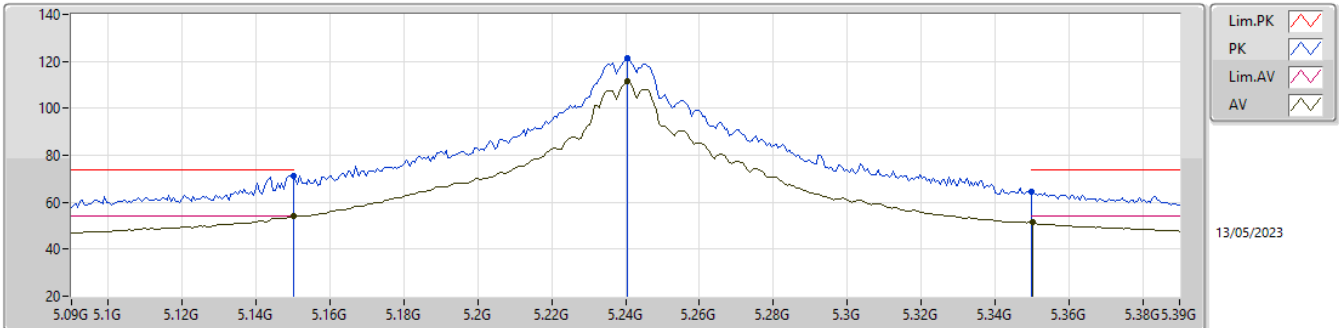


EUT X_2TX
Setting 19.5
04-H-S-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	10.405G	55.76	68.20	-12.44	41.73	3	Horizontal	359	2.01	-	38.91	8.12	33.00			
PK	15.5946G	68.36	74.00	-5.64	53.54	3	Horizontal	15	2.11	-	38.43	10.16	33.77			
AV	15.59944G	53.46	54.00	-0.54	38.67	3	Horizontal	15	2.11	-	38.40	10.16	33.77			

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

5240MHz_TX

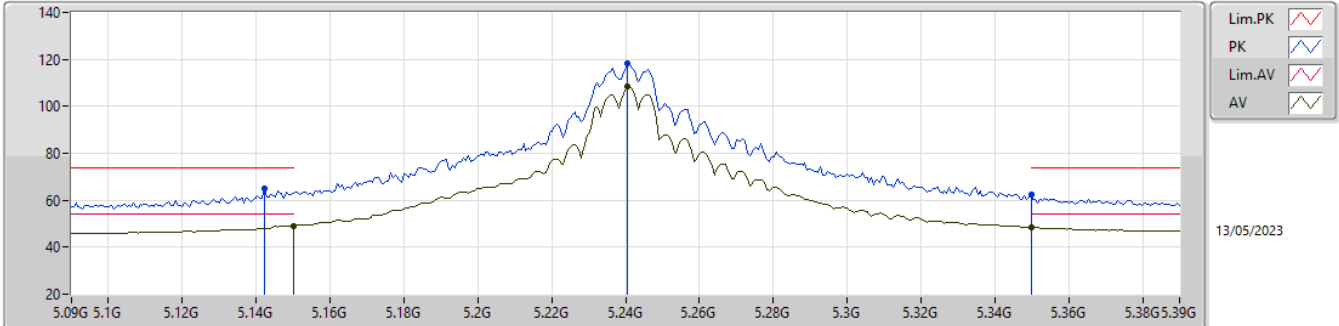


EUT_Z_2TX
Setting 22.5
04-H-S-8-10

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	5.15G	71.28	74.00	-2.72	65.45	3	Vertical	84	2.48	-	32.90	5.45	32.52			
AV	5.15G	53.95	54.00	-0.05	48.12	3	Vertical	84	2.48	-	32.90	5.45	32.52			
PK	5.2406G	121.52	Inf	-Inf	115.52	3	Vertical	84	2.48	-	32.98	5.52	32.50			
AV	5.2406G	111.42	Inf	-Inf	105.42	3	Vertical	84	2.48	-	32.98	5.52	32.50			
PK	5.35G	64.52	74.00	-9.48	58.22	3	Vertical	84	2.48	-	33.20	5.57	32.47			
AV	5.3504G	51.37	54.00	-2.63	45.06	3	Vertical	84	2.48	-	33.20	5.58	32.47			

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

5240MHz_TX

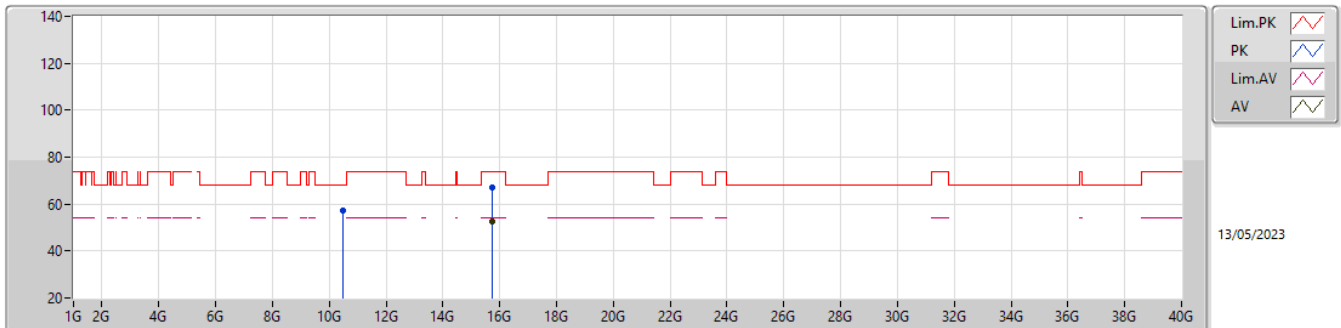


EUT_Z_2TX
Setting 22.5
04-H-S-8-10

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	5.1422G	64.96	74.00	-9.04	59.12	3	Horizontal	14	2.76	-	32.92	5.44	32.52			
AV	5.15G	49.08	54.00	-4.92	43.25	3	Horizontal	14	2.76	-	32.90	5.45	32.52			
PK	5.2406G	118.51	Inf	-Inf	112.51	3	Horizontal	14	2.76	-	32.98	5.52	32.50			
AV	5.2406G	108.51	Inf	-Inf	102.51	3	Horizontal	14	2.76	-	32.98	5.52	32.50			
PK	5.35G	62.35	74.00	-11.65	56.05	3	Horizontal	14	2.76	-	33.20	5.57	32.47			
AV	5.35G	48.57	54.00	-5.43	42.27	3	Horizontal	14	2.76	-	33.20	5.57	32.47			

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

5240MHz_TX

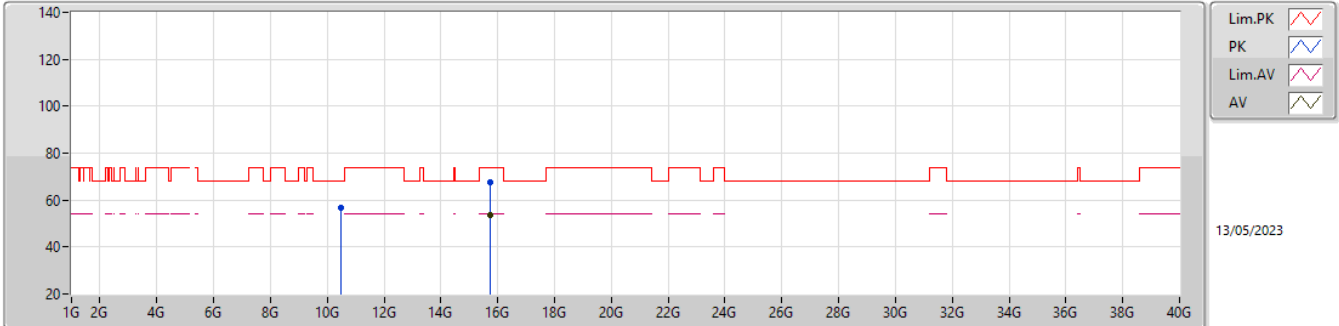


EUT X_2TX
Setting 20
04-H-S-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBUV/m)	(dBUV/m)	(dB)	(dBUV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	10.48406G	57.28	68.20	-10.92	43.09	3	Vertical	325	1.53	-	39.07	8.15	33.03			
PK	15.72116G	66.83	74.00	-7.17	52.22	3	Vertical	32	2.01	-	38.26	10.20	33.85			
AV	15.71644G	52.57	54.00	-1.43	37.97	3	Vertical	32	2.01	-	38.25	10.20	33.85			

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

5240MHz_TX

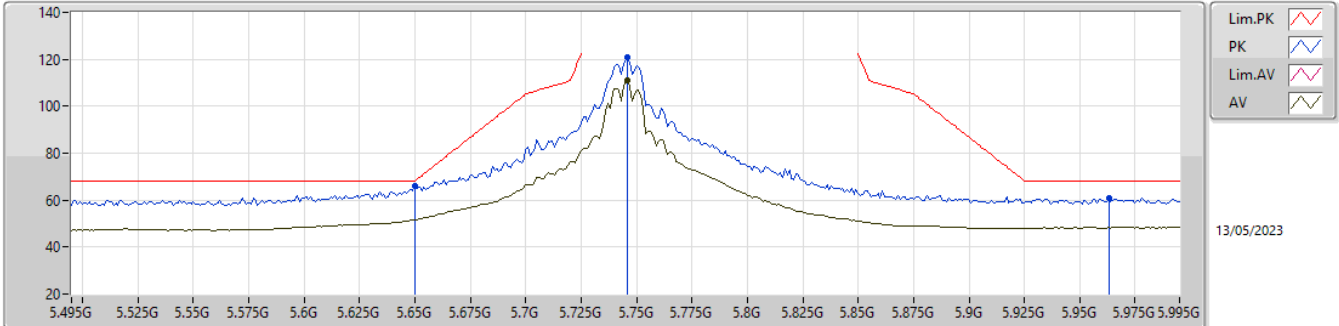


EUT_X_2TX
Setting 20
04-H-S-8

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	10.48152G	56.80	68.20	-11.40	42.63	3	Horizontal	272	2.48	-	39.06	8.14	33.03			
PK	15.71708G	67.80	74.00	-6.20	53.20	3	Horizontal	360	1.98	-	38.25	10.20	33.85			
AV	15.71648G	53.57	54.00	-0.43	38.97	3	Horizontal	360	1.98	-	38.25	10.20	33.85			

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

5745MHz_TX

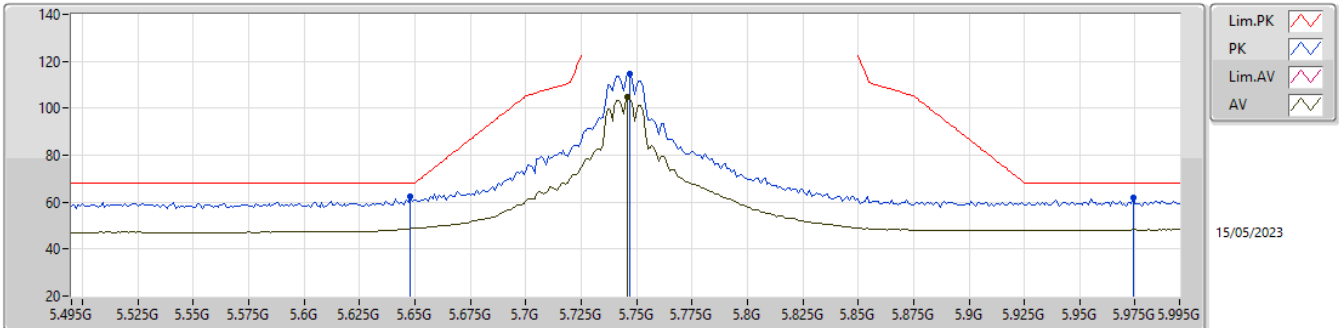


EUT_Z_2TX
Setting 23
04-H-S-8-10

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	5.65G	66.19	68.20	-2.01	58.95	3	Vertical	244	2.30	-	34.10	5.62	32.48			
PK	5.746G	120.85	Inf	-Inf	113.39	3	Vertical	244	2.30	-	34.29	5.67	32.50			
AV	5.746G	110.85	Inf	-Inf	103.39	3	Vertical	244	2.30	-	34.29	5.67	32.50			
PK	5.963G	60.95	68.20	-7.25	52.51	3	Vertical	244	2.30	-	35.23	5.78	32.57			

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

5745MHz_TX

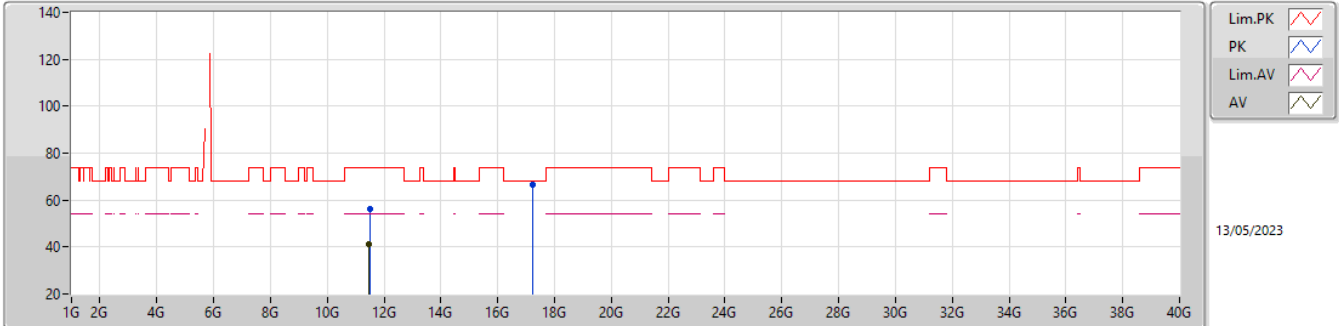


EUT_Z_2TX
Setting 23
04-H-5-8-10

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	62.59	68.20	-5.61	55.34	3	Horizontal	249	2.90	-	34.10	5.62	32.47			
PK	5.747G	114.87	Inf	-Inf	107.41	3	Horizontal	249	2.90	-	34.29	5.67	32.50			
AV	5.746G	104.94	Inf	-Inf	97.48	3	Horizontal	249	2.90	-	34.29	5.67	32.50			
PK	5.974G	61.85	68.20	-6.35	53.38	3	Horizontal	249	2.90	-	35.25	5.79	32.57			

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

5745MHz_TX

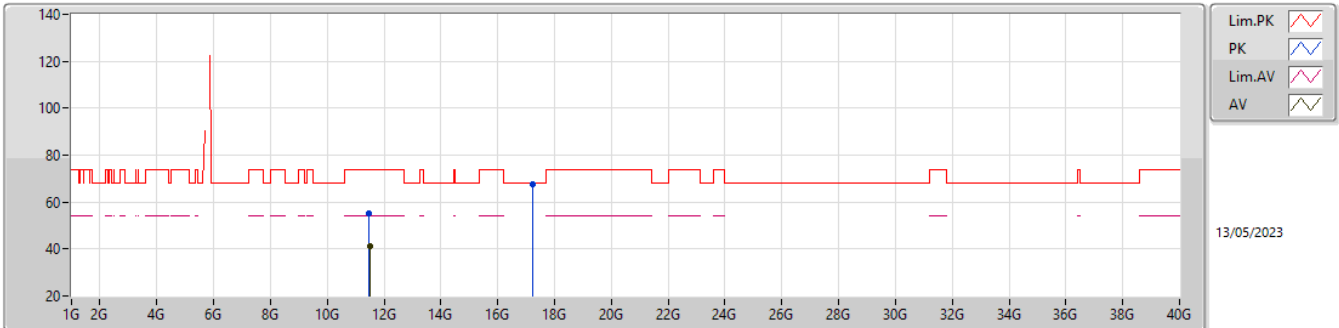


EUT_X_2TX
Setting 19
04-H-S-8

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	11.49108G	56.11	74.00	-17.89	42.54	3	Vertical	160	1.78	-	39.20	8.45	34.08			
AV	11.48614G	41.25	54.00	-12.75	27.67	3	Vertical	160	1.78	-	39.20	8.45	34.07			
PK	17.24364G	66.37	68.20	-1.83	47.48	3	Vertical	114	2.41	-	41.37	11.11	33.59			

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

5745MHz_TX

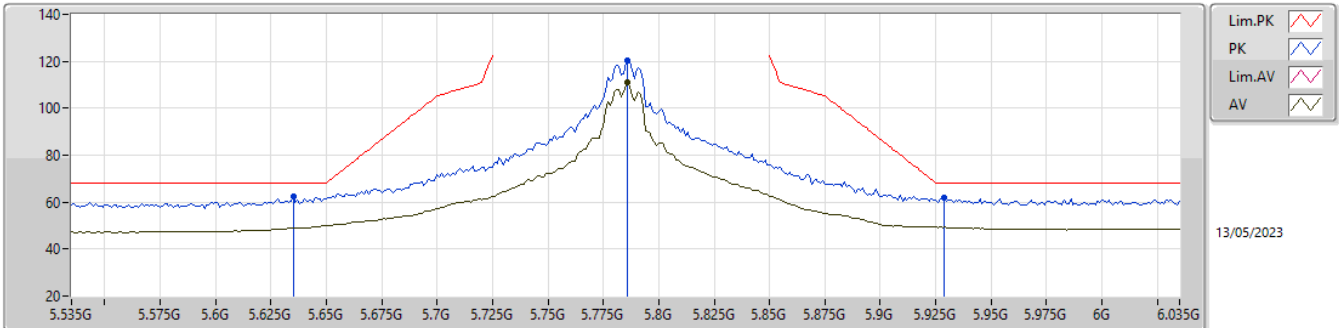


EUT_X_2TX
Setting 19
04-H-S-8

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	11.48592G	55.09	74.00	-18.91	41.51	3	Horizontal	95	2.15	-	39.20	8.45	34.07			
AV	11.48904G	41.25	54.00	-12.75	27.68	3	Horizontal	95	2.15	-	39.20	8.45	34.08			
PK	17.23284G	67.77	68.20	-0.43	48.93	3	Horizontal	345	2.04	-	41.33	11.10	33.59			

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

5785MHz_TX

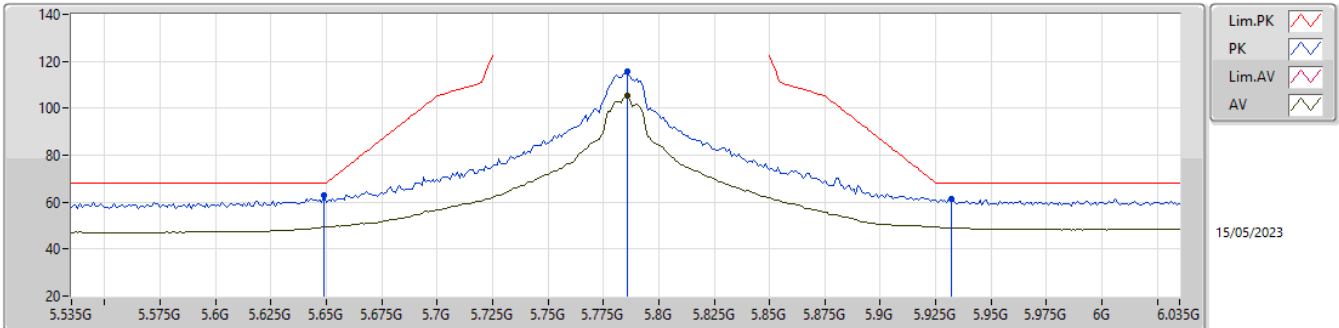


EUT_Z_2TX
Setting 23
04-H-S-8-10

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	5.635G	62.21	68.20	-5.99	54.96	3	Vertical	242	2.25	-	34.10	5.62	32.47			
PK	5.786G	120.40	Inf	-Inf	112.93	3	Vertical	242	2.25	-	34.30	5.69	32.52			
AV	5.786G	110.82	Inf	-Inf	103.35	3	Vertical	242	2.25	-	34.30	5.69	32.52			
PK	5.929G	61.68	68.20	-6.52	53.41	3	Vertical	242	2.25	-	35.07	5.76	32.56			

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

5785MHz_TX

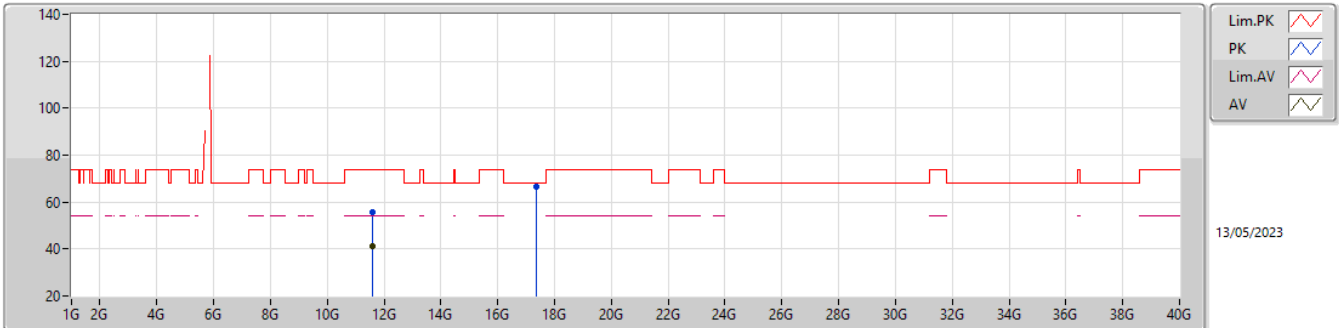


EUT_Z_2TX
Setting 23
04-H-S-8-10

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	5.649G	62.86	68.20	-5.34	55.61	3	Horizontal	208	2.90	-	34.10	5.62	32.47				
PK	5.786G	115.53	Inf	-Inf	108.06	3	Horizontal	208	2.90	-	34.30	5.69	32.52				
AV	5.786G	105.37	Inf	-Inf	97.90	3	Horizontal	208	2.90	-	34.30	5.69	32.52				
PK	5.932G	61.56	68.20	-6.64	53.26	3	Horizontal	208	2.90	-	35.09	5.77	32.56				

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

5785MHz_TX

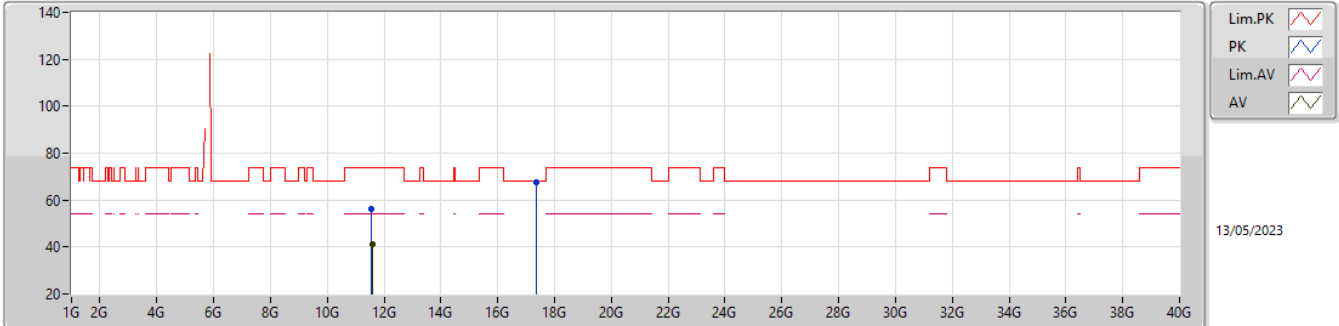


EUT_X_2TX
Setting 19
04-H-S-8

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	11.57338G	55.84	74.00	-18.16	42.30	3	Vertical	6	2.21	-	39.20	8.47	34.13			
AV	11.5731G	41.38	54.00	-12.62	27.84	3	Vertical	6	2.21	-	39.20	8.47	34.13			
PK	17.35456G	66.34	68.20	-1.86	47.06	3	Vertical	132	2.30	-	41.71	11.18	33.61			

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

5785MHz_TX

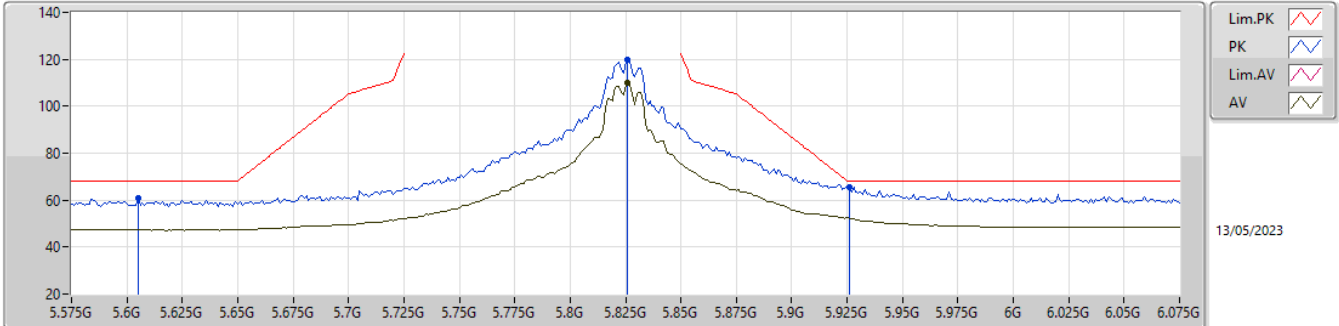


EUT_X_2TX
Setting 19
04-H-5-8

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	11.57208G	56.18	74.00	-17.82	42.64	3	Horizontal	63	2.02	-	39.20	8.47	34.13			
AV	11.57282G	41.36	54.00	-12.64	27.82	3	Horizontal	63	2.02	-	39.20	8.47	34.13			
PK	17.35916G	67.42	68.20	-0.78	48.13	3	Horizontal	336	1.30	-	41.72	11.18	33.61			

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

5825MHz_TX

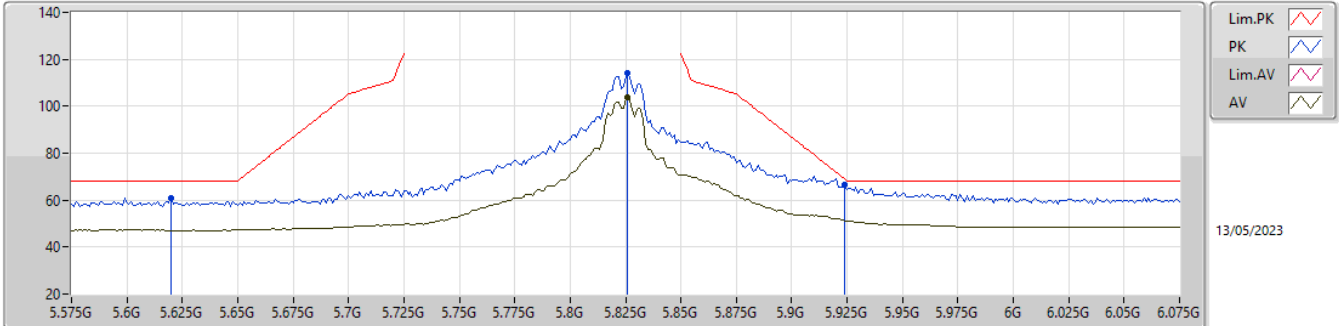


EUT_Z_2TX
Setting 23
04-H-5-8-10

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	5.605G	60.87	68.20	-7.33	53.63	3	Vertical	240	2.18	-	34.10	5.60	32.46			
PK	5.826G	120.04	Inf	-Inf	112.51	3	Vertical	240	2.18	-	34.35	5.71	32.53			
AV	5.826G	110.24	Inf	-Inf	102.71	3	Vertical	240	2.18	-	34.35	5.71	32.53			
PK	5.926G	65.62	68.20	-2.58	57.36	3	Vertical	240	2.18	-	35.06	5.76	32.56			

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

5825MHz_TX

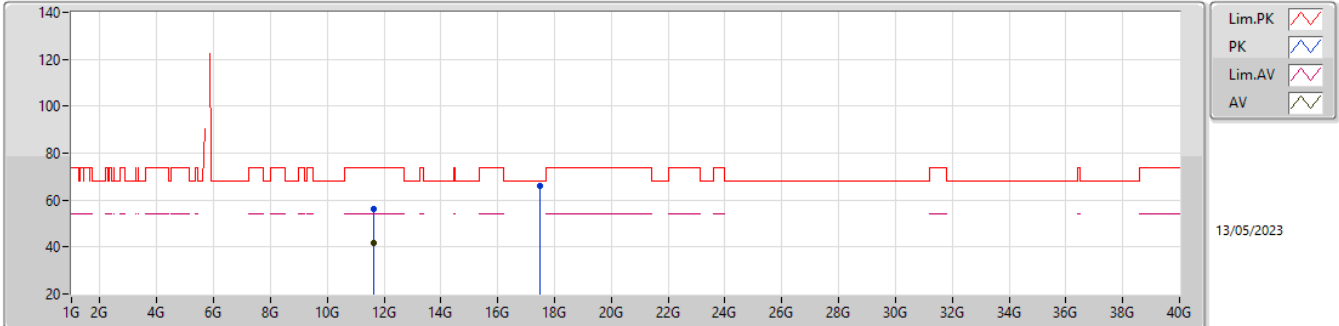


EUT_Z_2TX
Setting 23
04-H-5-8-10

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	5.62G	60.86	68.20	-7.34	53.62	3	Horizontal	228	1.99	-	34.10	5.61	32.47			
PK	5.826G	114.18	Inf	-Inf	106.65	3	Horizontal	228	1.99	-	34.35	5.71	32.53			
AV	5.826G	103.98	Inf	-Inf	96.45	3	Horizontal	228	1.99	-	34.35	5.71	32.53			
PK	5.924G	66.69	68.94	-2.25	58.45	3	Horizontal	228	1.99	-	35.04	5.76	32.56			

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

5825MHz_TX

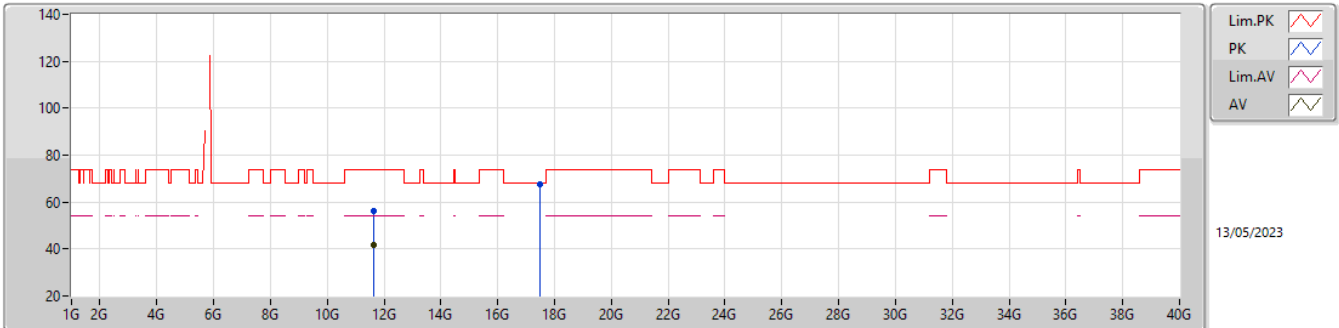


EUT_X_2TX
Setting 19
04-H-5-8

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	11.65244G	56.29	74.00	-17.71	42.82	3	Vertical	349	1.35	-	39.15	8.50	34.18			
AV	11.65118G	41.58	54.00	-12.42	28.11	3	Vertical	349	1.35	-	39.15	8.50	34.18			
PK	17.4738G	66.11	68.20	-2.09	46.61	3	Vertical	351	1.18	-	41.87	11.26	33.63			

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

5825MHz_TX

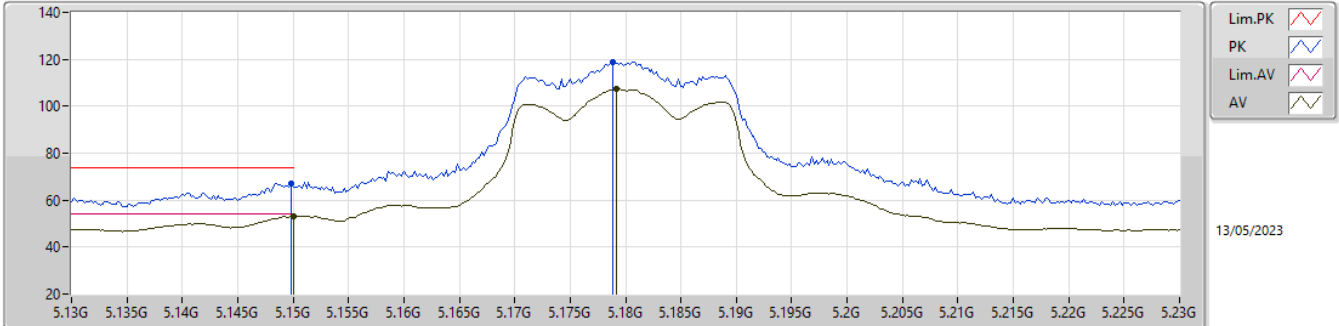


EUT_X_2TX
Setting 19
04-H-5-8

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	11.64604G	55.95	74.00	-18.05	42.48	3	Horizontal	192	1.62	-	39.15	8.49	34.17			
AV	11.65404G	41.56	54.00	-12.44	28.09	3	Horizontal	192	1.62	-	39.15	8.50	34.18			
PK	17.46996G	67.57	68.20	-0.63	48.07	3	Horizontal	335	1.71	-	41.87	11.26	33.63			

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TX

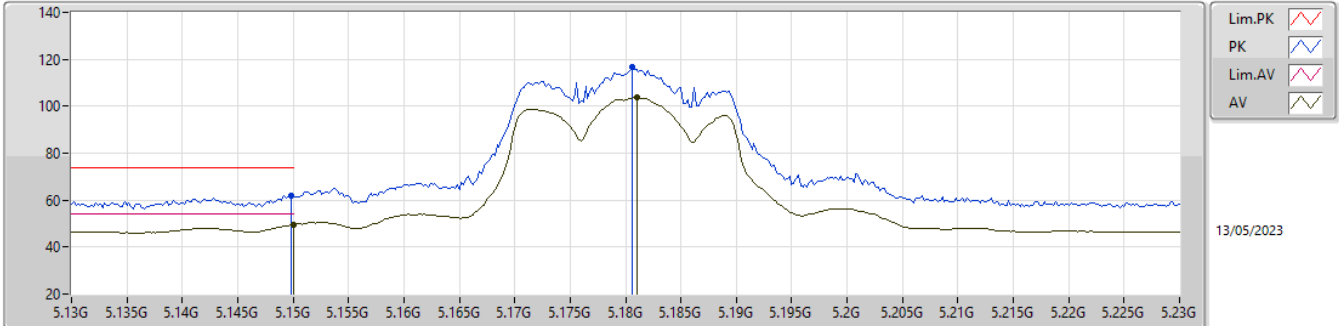


EUT_Z_2TX
Setting 19
04-H-5-8-10

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	5.1498G	66.99	74.00	-7.01	61.16	3	Vertical	79	2.39	-	32.90	5.45	32.52			
AV	5.15G	52.97	54.00	-1.03	47.14	3	Vertical	79	2.39	-	32.90	5.45	32.52			
PK	5.1788G	119.04	Inf	-Inf	113.17	3	Vertical	79	2.39	-	32.90	5.48	32.51			
AV	5.1792G	107.21	Inf	-Inf	101.34	3	Vertical	79	2.39	-	32.90	5.48	32.51			

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TX

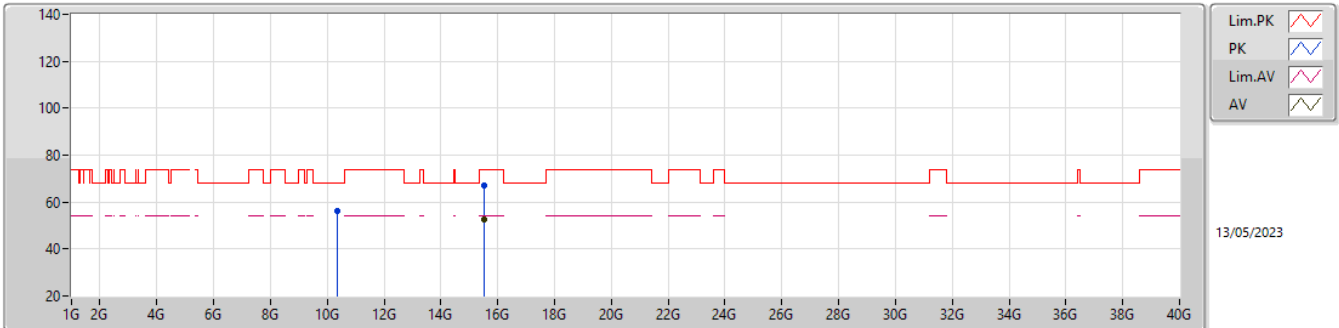


EUT_Z_2TX
Setting 19
04-H-5-8-10

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	5.1498G	61.77	74.00	-12.23	55.94	3	Horizontal	11	3.00	-	32.90	5.45	32.52			
AV	5.15G	49.52	54.00	-4.48	43.69	3	Horizontal	11	3.00	-	32.90	5.45	32.52			
PK	5.1806G	116.54	Inf	-Inf	110.67	3	Horizontal	11	3.00	-	32.90	5.48	32.51			
AV	5.181G	103.73	Inf	-Inf	97.86	3	Horizontal	11	3.00	-	32.90	5.48	32.51			

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TX

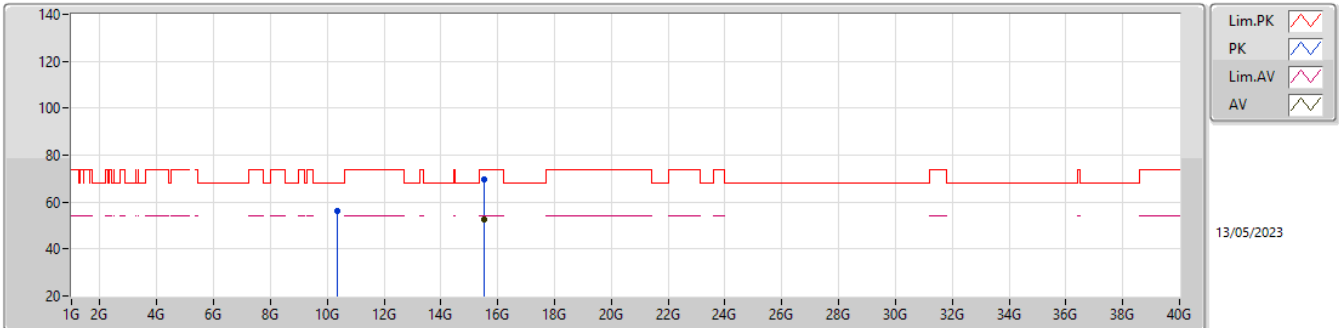


EUT_X_2TX
Setting 19
04-H-5-8

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	10.3575G	56.41	68.20	-11.79	42.42	3	Vertical	48	1.06	-	38.86	8.11	32.98			
PK	15.5398G	67.19	74.00	-6.81	52.09	3	Vertical	318	1.36	-	38.70	10.14	33.74			
AV	15.53996G	52.62	54.00	-1.38	37.52	3	Vertical	318	1.36	-	38.70	10.14	33.74			

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TX

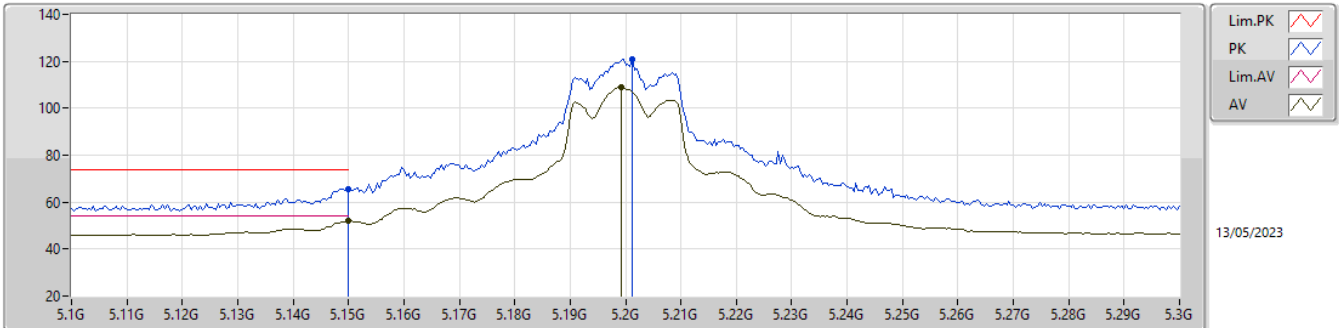


EUT_X_2TX
Setting 19
04-H-5-8

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	10.3624G	56.04	68.20	-12.16	42.05	3	Horizontal	7	1.02	-	38.86	8.11	32.98			
PK	15.53908G	69.82	74.00	-4.18	54.72	3	Horizontal	18	2.16	-	38.70	10.14	33.74			
AV	15.53956G	52.64	54.00	-1.36	37.54	3	Horizontal	18	2.16	-	38.70	10.14	33.74			

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TX

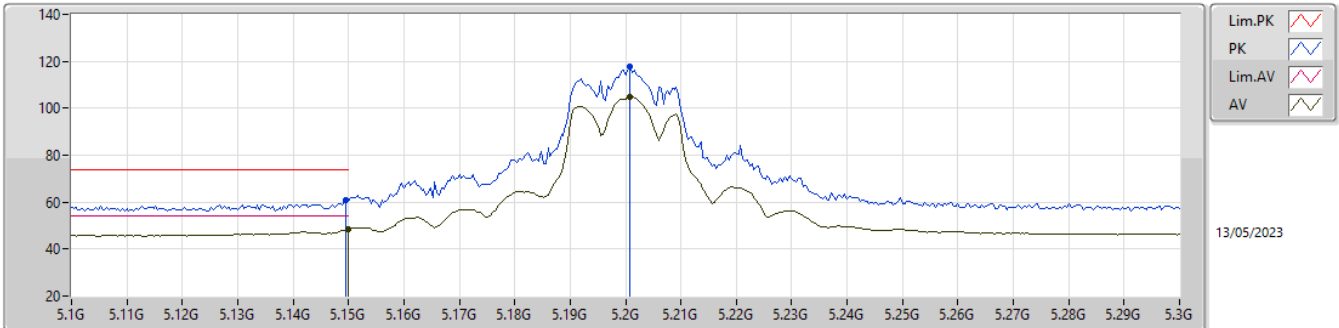


EUT_Z_2TX
Setting 20.5
04-H-5-8-10

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	5.15G	65.77	74.00	-8.23	59.94	3	Vertical	76	2.38	-	32.90	5.45	32.52			
AV	5.15G	51.92	54.00	-2.08	46.09	3	Vertical	76	2.38	-	32.90	5.45	32.52			
PK	5.2012G	120.92	Inf	-Inf	115.03	3	Vertical	76	2.38	-	32.90	5.50	32.51			
AV	5.1992G	108.93	Inf	-Inf	103.04	3	Vertical	76	2.38	-	32.90	5.50	32.51			

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TX

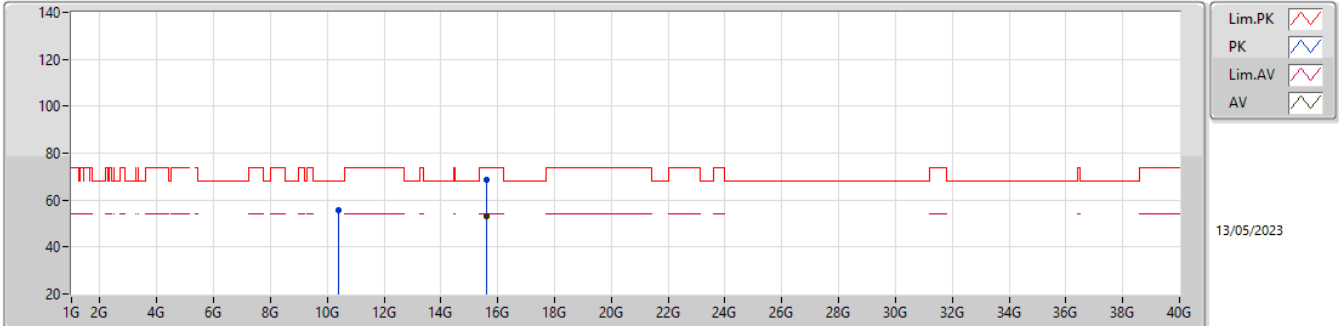


EUT_Z_2TX
Setting 20.5
04-H-5-8-10

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	5.1496G	60.99	74.00	-13.01	55.16	3	Horizontal	11	2.81	-	32.90	5.45	32.52			
AV	5.15G	48.69	54.00	-5.31	42.86	3	Horizontal	11	2.81	-	32.90	5.45	32.52			
PK	5.2008G	117.67	Inf	-Inf	111.78	3	Horizontal	11	2.81	-	32.90	5.50	32.51			
AV	5.2008G	105.01	Inf	-Inf	99.12	3	Horizontal	11	2.81	-	32.90	5.50	32.51			

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TX

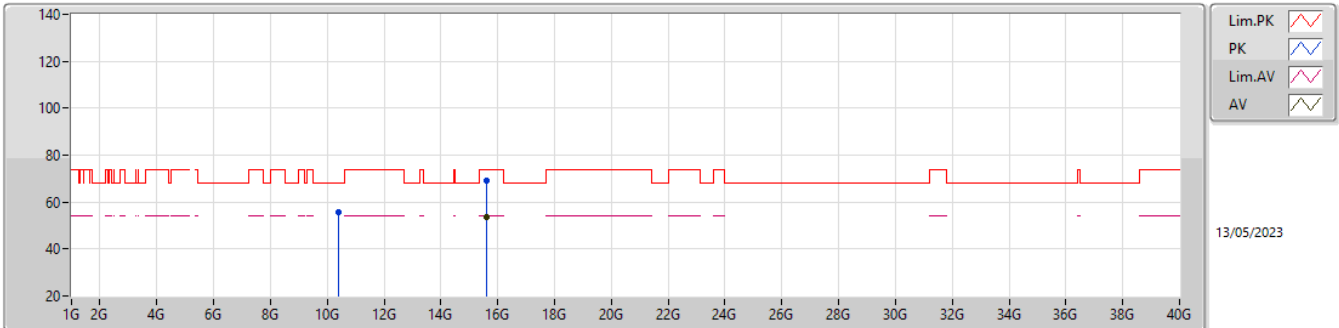


EUT_X_2TX
Setting 19.5
04-H-5-8

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	10.39722G	55.65	68.20	-12.55	41.63	3	Vertical	335	2.35	-	38.90	8.12	33.00			
PK	15.6004G	68.50	74.00	-5.50	53.71	3	Vertical	262	1.03	-	38.40	10.16	33.77			
AV	15.60228G	53.23	54.00	-0.77	38.45	3	Vertical	262	1.03	-	38.40	10.16	33.78			

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TX

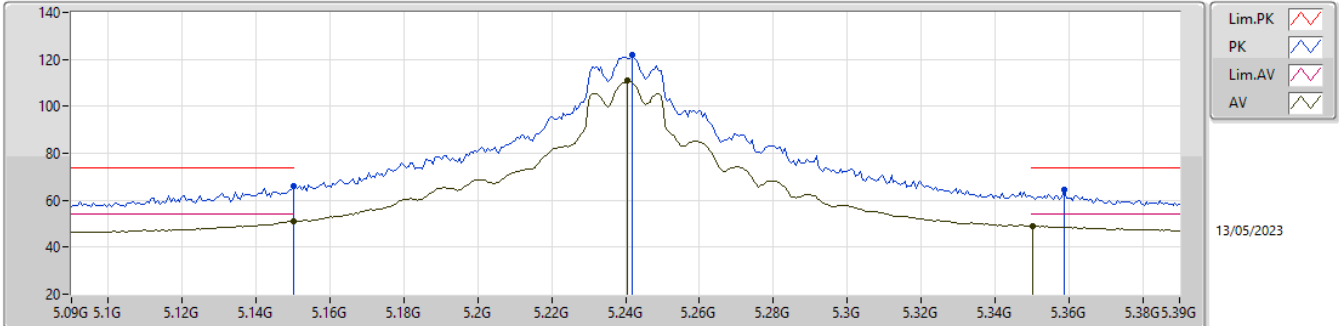


EUT_X_2TX
Setting 19.5
04-H-5-8

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	10.40126G	55.48	68.20	-12.72	41.46	3	Horizontal	3	2.93	-	38.90	8.12	33.00			
PK	15.6026G	68.89	74.00	-5.11	54.12	3	Horizontal	360	2.06	-	38.39	10.16	33.78			
AV	15.60124G	53.45	54.00	-0.55	38.66	3	Horizontal	360	2.06	-	38.40	10.16	33.77			

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TX

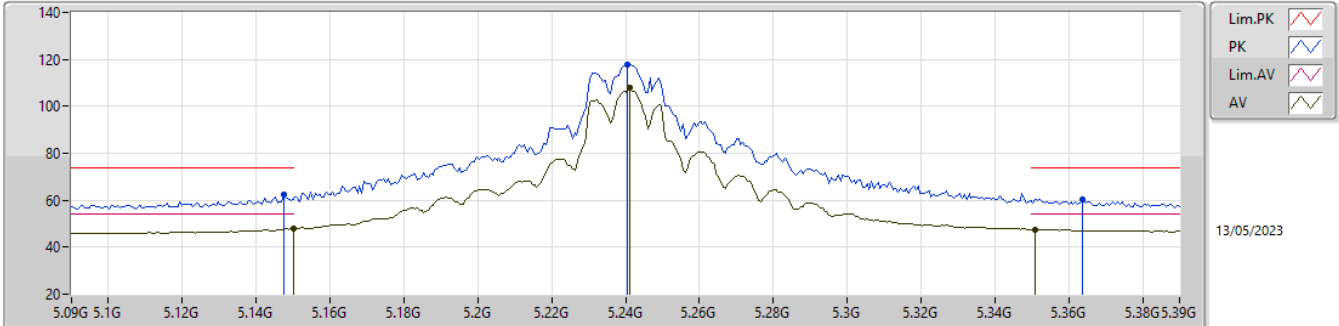


EUT_Z_2TX
Setting 22
04-H-S-8-10

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	5.15G	66.28	74.00	-7.72	60.45	3	Vertical	83	2.49	-	32.90	5.45	32.52			
AV	5.15G	51.19	54.00	-2.81	45.36	3	Vertical	83	2.49	-	32.90	5.45	32.52			
PK	5.2418G	121.70	Inf	-Inf	115.70	3	Vertical	83	2.49	-	32.98	5.52	32.50			
AV	5.2406G	110.78	Inf	-Inf	104.78	3	Vertical	83	2.49	-	32.98	5.52	32.50			
PK	5.3588G	64.63	74.00	-9.37	58.28	3	Vertical	83	2.49	-	33.24	5.58	32.47			
AV	5.3504G	48.91	54.00	-5.09	42.60	3	Vertical	83	2.49	-	33.20	5.58	32.47			

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TX

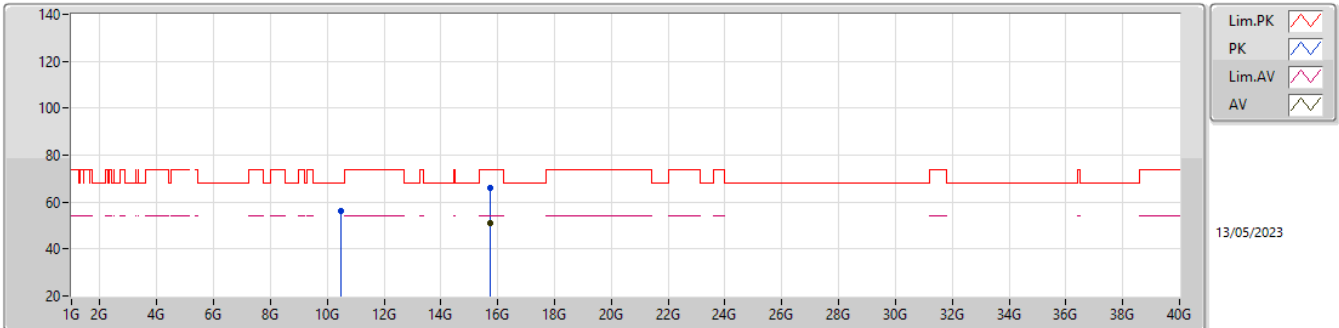


EUT_Z_2TX
Setting 22
04-H-S-8-10

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	5.1476G	62.41	74.00	-11.59	56.58	3	Horizontal	12	2.75	-	32.90	5.45	32.52			
AV	5.15G	47.86	54.00	-6.14	42.03	3	Horizontal	12	2.75	-	32.90	5.45	32.52			
PK	5.2406G	118.01	Inf	-Inf	112.01	3	Horizontal	12	2.75	-	32.98	5.52	32.50			
AV	5.2412G	107.80	Inf	-Inf	101.80	3	Horizontal	12	2.75	-	32.98	5.52	32.50			
PK	5.3636G	60.47	74.00	-13.53	54.11	3	Horizontal	12	2.75	-	33.25	5.58	32.47			
AV	5.351G	47.46	54.00	-6.54	41.15	3	Horizontal	12	2.75	-	33.20	5.58	32.47			

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TX

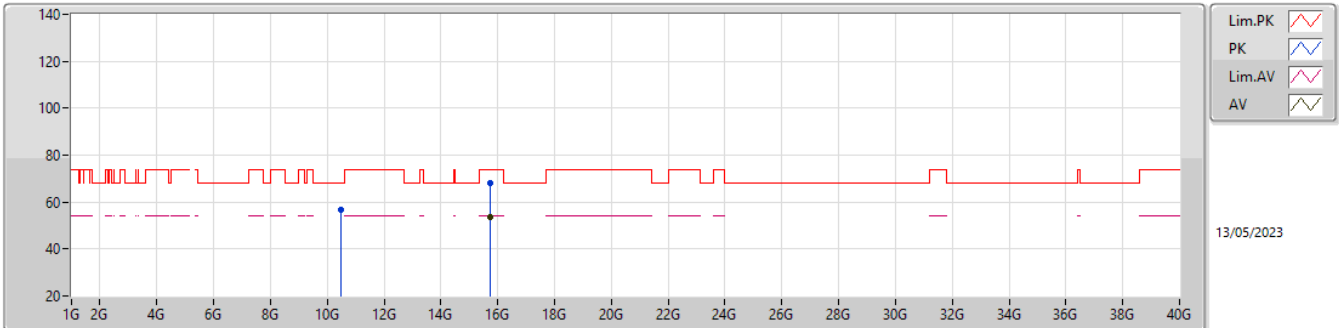


EUT_X_2TX
Setting 20
04-H-S-8

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	10.4811G	56.29	68.20	-11.91	42.12	3	Vertical	244	1.77	-	39.06	8.14	33.03			
PK	15.71868G	66.28	74.00	-7.72	51.67	3	Vertical	352	2.05	-	38.26	10.20	33.85			
AV	15.71836G	51.05	54.00	-2.95	36.44	3	Vertical	352	2.05	-	38.26	10.20	33.85			

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TX

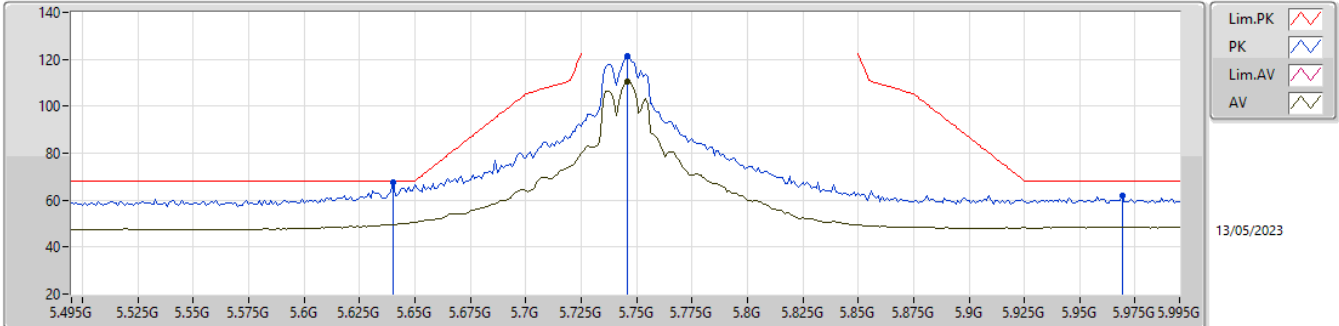


EUT_X_2TX
Setting 20
04-H-S-8

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	10.47658G	56.83	68.20	-11.37	42.67	3	Horizontal	185	1.79	-	39.05	8.14	33.03			
PK	15.72216G	68.30	74.00	-5.70	53.68	3	Horizontal	360	2.06	-	38.27	10.20	33.85			
AV	15.72116G	53.64	54.00	-0.36	39.03	3	Horizontal	360	2.06	-	38.26	10.20	33.85			

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TX

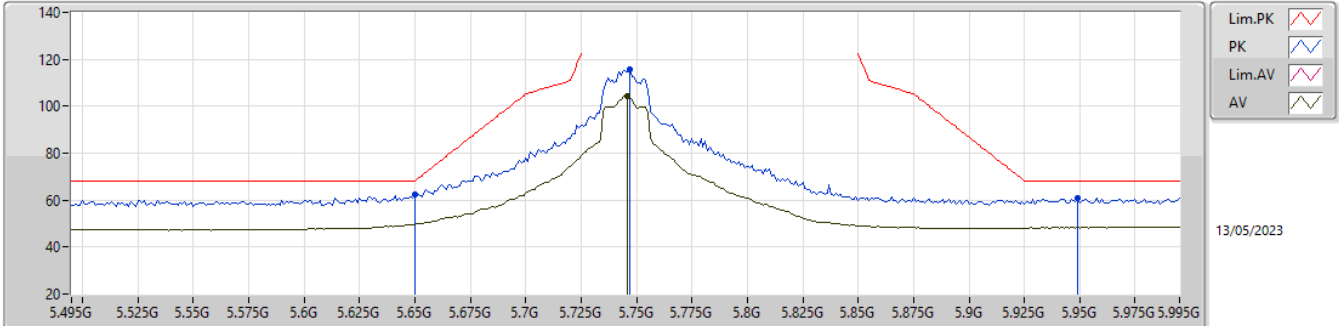


EUT_Z_2TX
Setting 23
04-H-5-8-10

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	5.64G	67.76	68.20	-0.44	60.51	3	Vertical	244	2.40	-	34.10	5.62	32.47			
PK	5.746G	121.28	Inf	-Inf	113.82	3	Vertical	244	2.40	-	34.29	5.67	32.50			
AV	5.746G	110.58	Inf	-Inf	103.12	3	Vertical	244	2.40	-	34.29	5.67	32.50			
PK	5.969G	61.70	68.20	-6.50	53.25	3	Vertical	244	2.40	-	35.24	5.78	32.57			

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TX

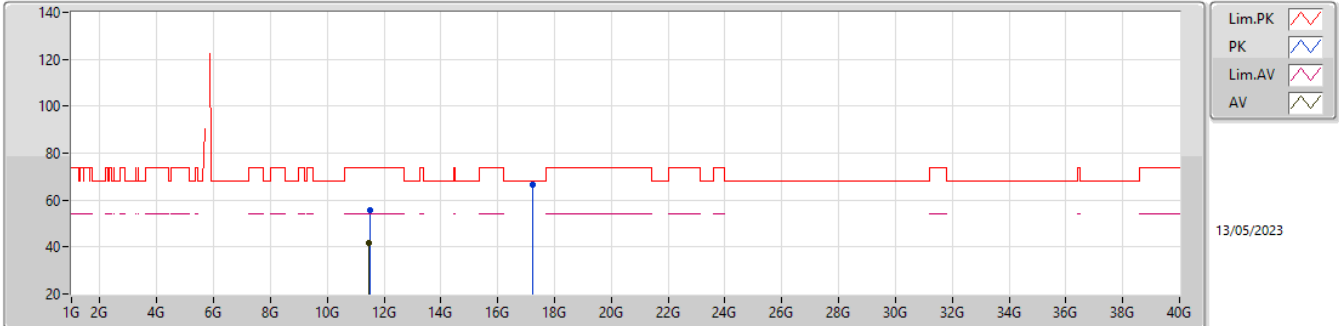


EUT_Z_2TX
Setting 23
04-H-5-8-10

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	5.65G	62.26	68.20	-5.94	55.02	3	Horizontal	211	2.85	-	34.10	5.62	32.48			
PK	5.747G	115.64	Inf	-Inf	108.18	3	Horizontal	211	2.85	-	34.29	5.67	32.50			
AV	5.746G	104.31	Inf	-Inf	96.85	3	Horizontal	211	2.85	-	34.29	5.67	32.50			
PK	5.949G	61.10	68.20	-7.10	52.70	3	Horizontal	211	2.85	-	35.19	5.77	32.56			

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TX

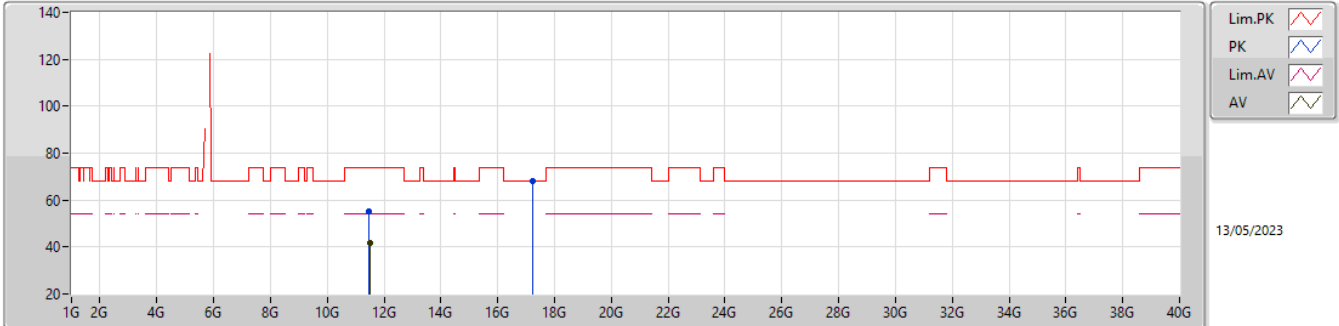


EUT_X_2TX
Setting 18.5
04-H-S-8

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	11.49392G	55.64	74.00	-18.36	42.07	3	Vertical	209	1.76	-	39.20	8.45	34.08			
AV	11.4867G	41.90	54.00	-12.10	28.32	3	Vertical	209	1.76	-	39.20	8.45	34.07			
PK	17.23016G	66.73	68.20	-1.47	47.90	3	Vertical	12	1.45	-	41.32	11.10	33.59			

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TX

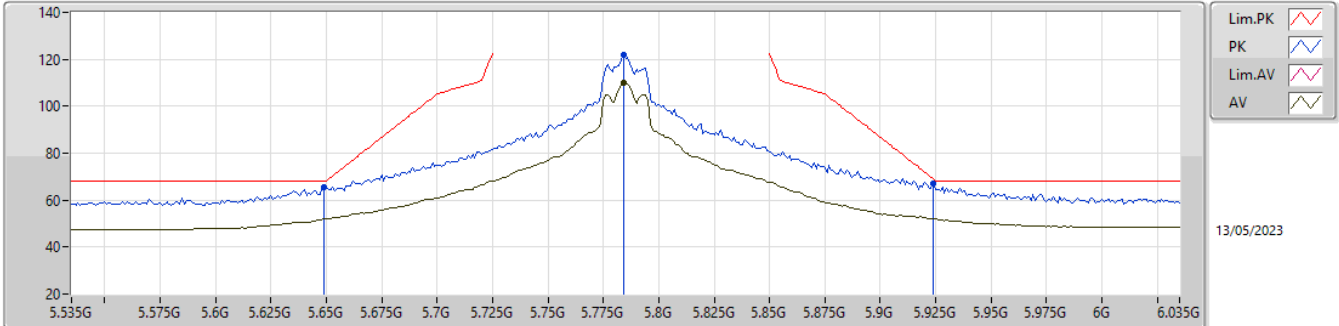


EUT_X_2TX
Setting 18.5
04-H-S-8

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	11.48648G	55.41	74.00	-18.59	41.83	3	Horizontal	65	2.56	-	39.20	8.45	34.07			
AV	11.49476G	41.91	54.00	-12.09	28.34	3	Horizontal	65	2.56	-	39.20	8.45	34.08			
PK	17.23252G	68.05	68.20	-0.15	49.21	3	Horizontal	345	2.04	-	41.33	11.10	33.59			

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TX

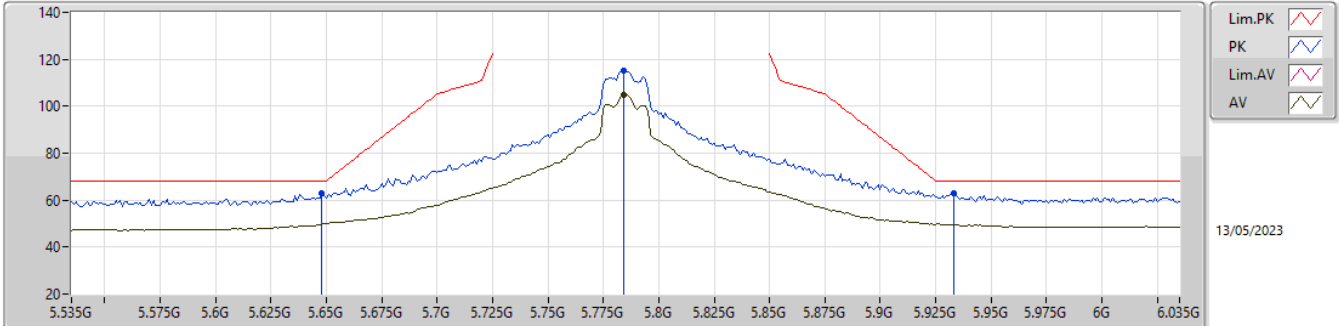


EUT_Z_2TX
Setting 23
04-H-S-8-10

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	5.649G	65.27	68.20	-2.93	58.02	3	Vertical	79	2.33	-	34.10	5.62	32.47				
PK	5.784G	121.80	Inf	-Inf	114.33	3	Vertical	79	2.33	-	34.30	5.69	32.52				
AV	5.784G	109.95	Inf	-Inf	102.48	3	Vertical	79	2.33	-	34.30	5.69	32.52				
PK	5.924G	67.32	68.94	-1.62	59.08	3	Vertical	79	2.33	-	35.04	5.76	32.56				

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TX

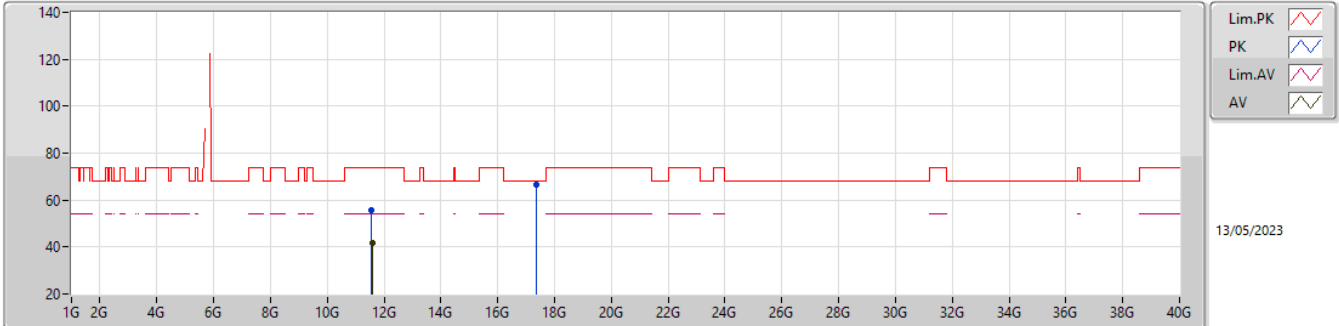


EUT_Z_2TX
Setting 23
04-H-5-8-10

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	62.84	68.20	-5.36	55.59	3	Horizontal	211	2.90	-	34.10	5.62	32.47			
PK	5.784G	115.34	Inf	-Inf	107.87	3	Horizontal	211	2.90	-	34.30	5.69	32.52			
AV	5.784G	104.89	Inf	-Inf	97.42	3	Horizontal	211	2.90	-	34.30	5.69	32.52			
PK	5.933G	62.91	68.20	-5.29	54.60	3	Horizontal	211	2.90	-	35.10	5.77	32.56			

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TX

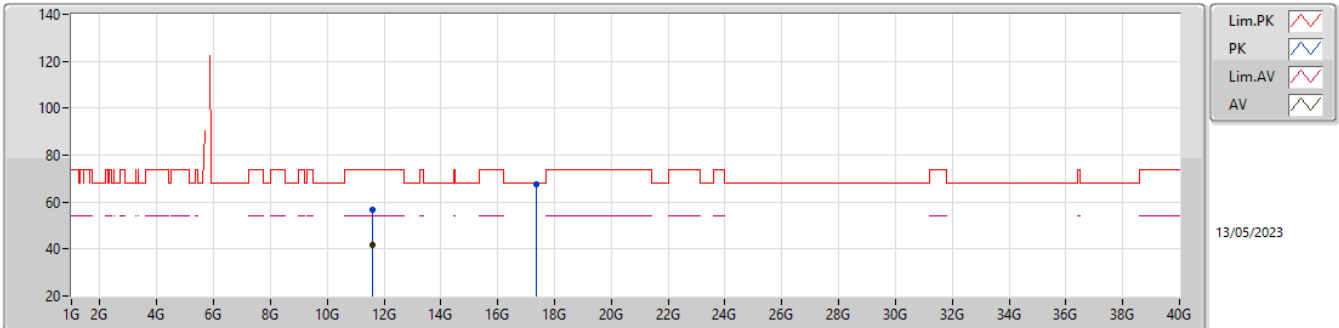


EUT_X_2TX
Setting 19.5
04-H-S-8

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	11.57056G	55.89	74.00	-18.11	42.35	3	Vertical	352	1.87	-	39.20	8.47	34.13			
AV	11.5734G	41.95	54.00	-12.05	28.41	3	Vertical	352	1.87	-	39.20	8.47	34.13			
PK	17.36232G	66.48	68.20	-1.72	47.18	3	Vertical	5	2.25	-	41.72	11.19	33.61			

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TX

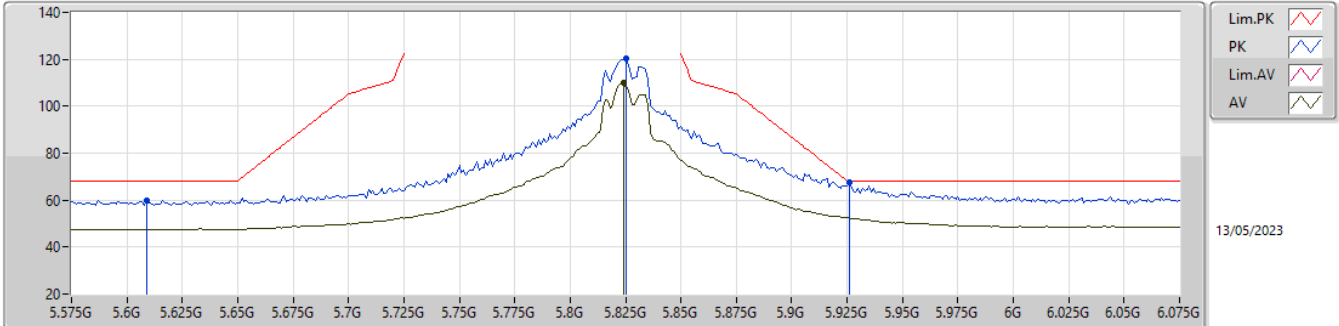


EUT_X_2TX
Setting 19.5
04-H-5-8

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	11.57386G	56.50	74.00	-17.50	42.96	3	Horizontal	76	1.43	-	39.20	8.47	34.13			
AV	11.5732G	41.91	54.00	-12.09	28.37	3	Horizontal	76	1.43	-	39.20	8.47	34.13			
PK	17.35332G	67.40	68.20	-0.80	48.12	3	Horizontal	348	2.07	-	41.71	11.18	33.61			

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TX

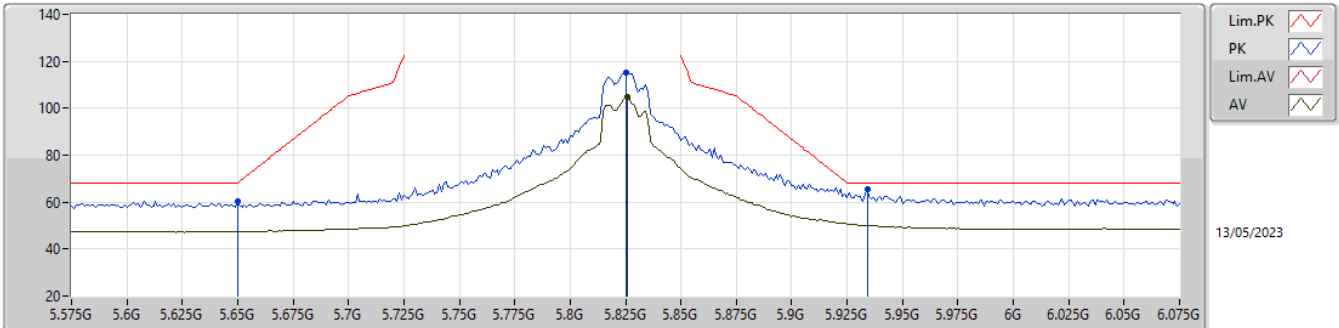


EUT_Z_2TX
Setting 21.5
04-H-5-8-10

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	5.609G	60.01	68.20	-8.19	52.77	3	Vertical	75	2.55	-	34.10	5.60	32.46			
PK	5.825G	120.09	Inf	-Inf	112.56	3	Vertical	75	2.55	-	34.35	5.71	32.53			
AV	5.824G	109.83	Inf	-Inf	102.30	3	Vertical	75	2.55	-	34.35	5.71	32.53			
PK	5.926G	67.54	68.20	-0.66	59.28	3	Vertical	75	2.55	-	35.06	5.76	32.56			

5.725-5.85GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

5825MHz_TX

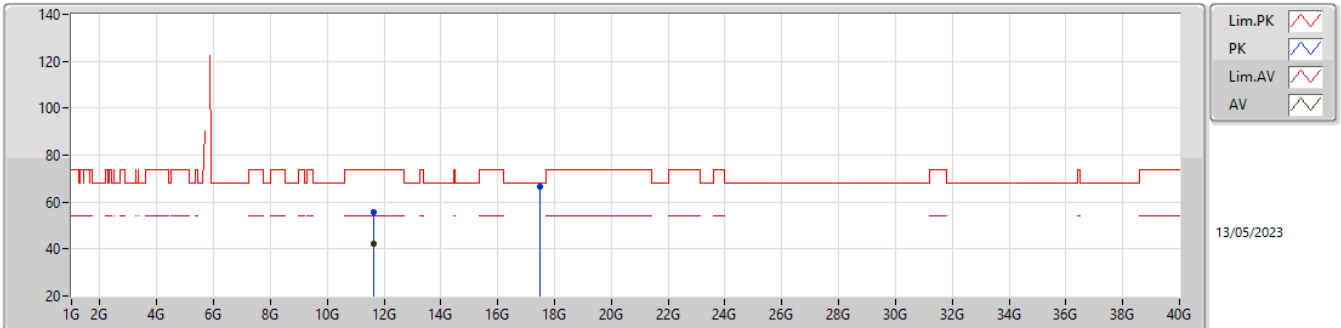


EUT_Z_2TX
Setting 21.5
04-H-5-8-10

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	5.65G	60.37	68.20	-7.83	53.13	3	Horizontal	207	2.85	-	34.10	5.62	32.48			
PK	5.825G	115.15	Inf	-Inf	107.62	3	Horizontal	207	2.85	-	34.35	5.71	32.53			
AV	5.826G	104.79	Inf	-Inf	97.26	3	Horizontal	207	2.85	-	34.35	5.71	32.53			
PK	5.934G	65.35	68.20	-2.85	57.04	3	Horizontal	207	2.85	-	35.10	5.77	32.56			

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TX

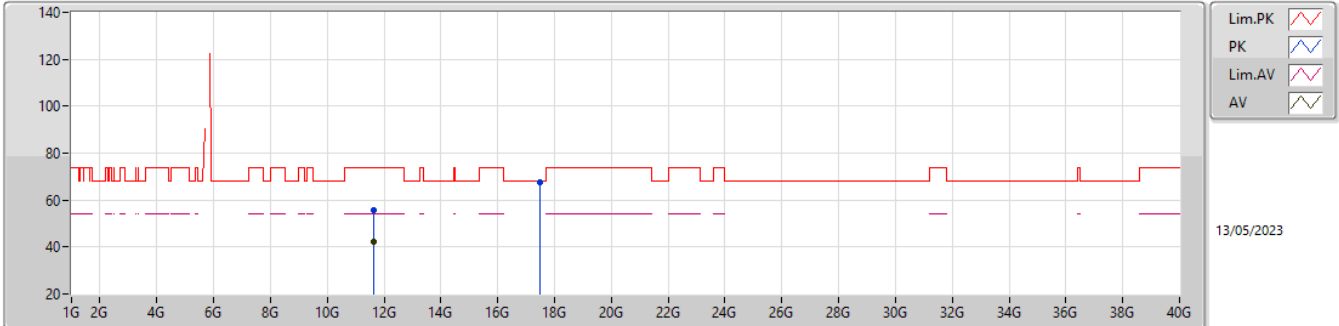


EUT_X_2TX
Setting 19.5
04-H-S-8

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	11.65156G	55.62	74.00	-18.38	42.15	3	Vertical	112	2.27	-	39.15	8.50	34.18			
AV	11.65158G	42.07	54.00	-11.93	28.60	3	Vertical	112	2.27	-	39.15	8.50	34.18			
PK	17.4764G	66.46	68.20	-1.74	46.95	3	Vertical	322	1.07	-	41.88	11.26	33.63			

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TX

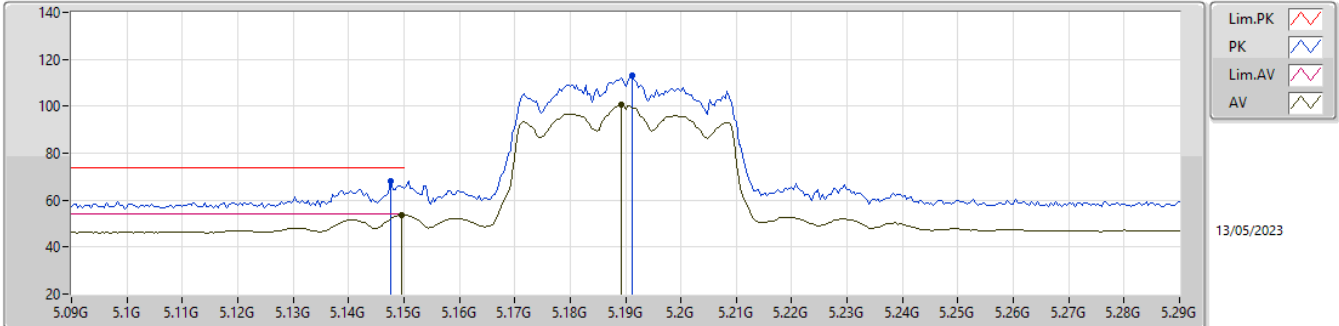


EUT_X_2TX
Setting 19.5
04-H-5-8

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	11.6535G	55.61	74.00	-18.39	42.14	3	Horizontal	27	2.22	-	39.15	8.50	34.18			
AV	11.65446G	42.12	54.00	-11.88	28.65	3	Horizontal	27	2.22	-	39.15	8.50	34.18			
PK	17.47632G	67.53	68.20	-0.67	48.02	3	Horizontal	20	1.95	-	41.88	11.26	33.63			

5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TX

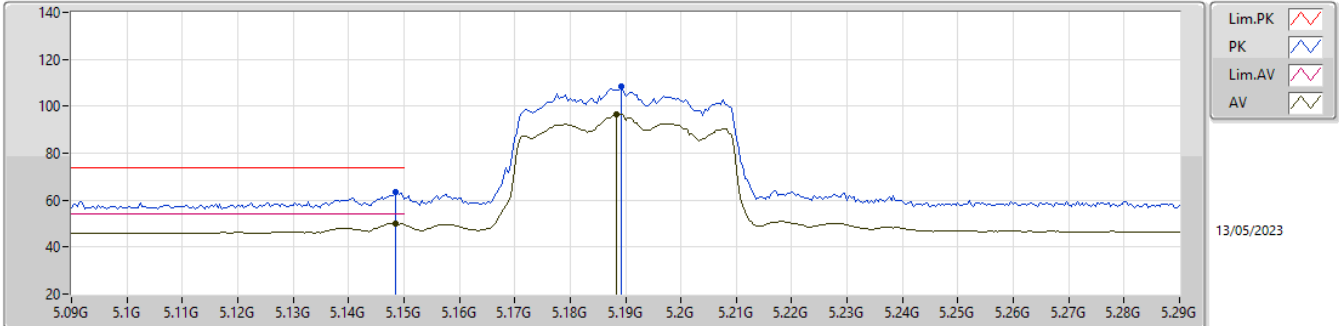


EUT_Z_2TX
Setting 15
04-H-S-8-10

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	5.1476G	68.04	74.00	-5.96	62.21	3	Vertical	80	2.42	-	32.90	5.45	32.52			
AV	5.1496G	53.58	54.00	-0.42	47.75	3	Vertical	80	2.42	-	32.90	5.45	32.52			
PK	5.1912G	113.09	Inf	-Inf	107.21	3	Vertical	80	2.42	-	32.90	5.49	32.51			
AV	5.1892G	100.45	Inf	-Inf	94.57	3	Vertical	80	2.42	-	32.90	5.49	32.51			

5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TX

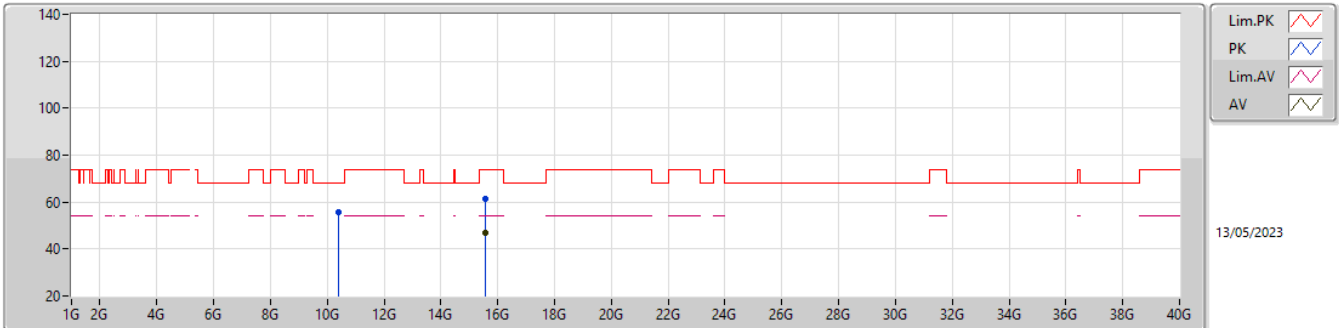


EUT_Z_2TX
Setting 15
04-H-S-8-10

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	5.1484G	63.65	74.00	-10.35	57.82	3	Horizontal	195	2.74	-	32.90	5.45	32.52			
AV	5.1484G	50.14	54.00	-3.86	44.31	3	Horizontal	195	2.74	-	32.90	5.45	32.52			
PK	5.1892G	108.44	Inf	-Inf	102.56	3	Horizontal	195	2.74	-	32.90	5.49	32.51			
AV	5.1884G	96.57	Inf	-Inf	90.69	3	Horizontal	195	2.74	-	32.90	5.49	32.51			

5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TX

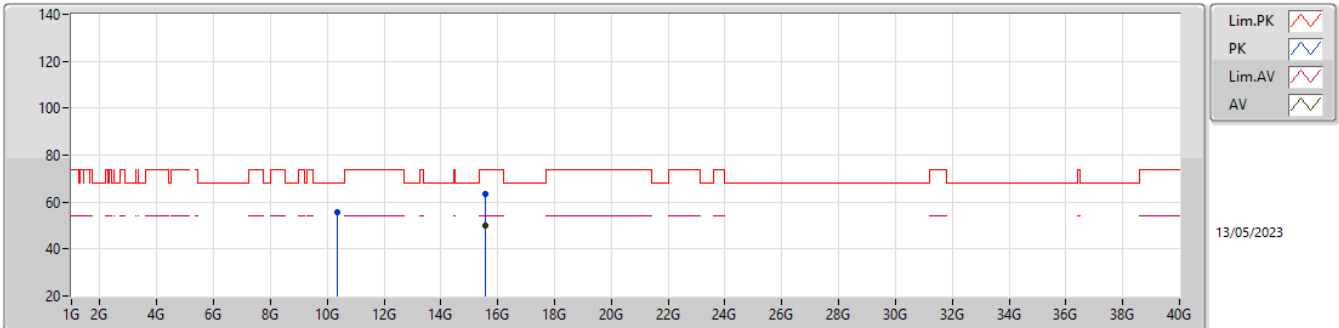


EUT_X_2TX
Setting 15
04-H-5-8

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	10.37762G	55.84	68.20	-12.36	41.84	3	Vertical	174	1.58	-	38.88	8.11	32.99			
PK	15.57082G	61.19	74.00	-12.81	46.25	3	Vertical	315	1.54	-	38.55	10.15	33.76			
AV	15.5724G	47.02	54.00	-6.98	32.09	3	Vertical	315	1.54	-	38.54	10.15	33.76			

5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TX

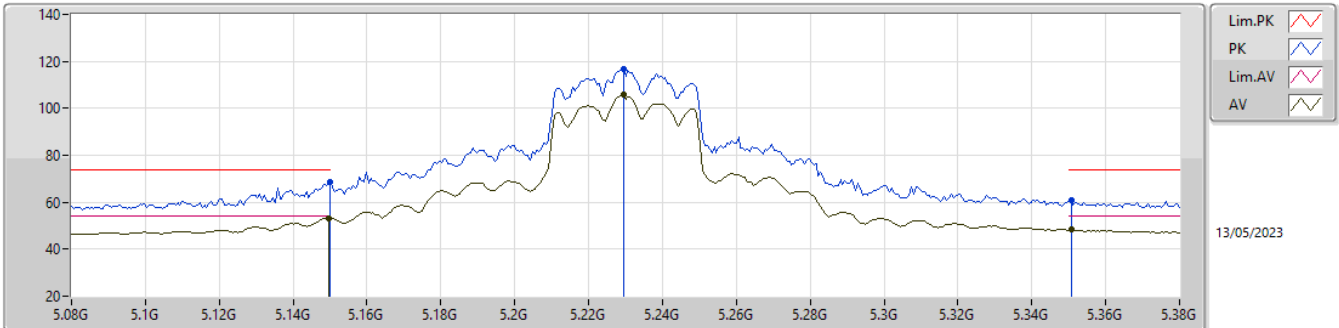


EUT_X_2TX
Setting 15
04-H-S-8

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	10.37618G	55.55	68.20	-12.65	41.55	3	Horizontal	140	2.70	-	38.88	8.11	32.99			
PK	15.56924G	63.21	74.00	-10.79	48.26	3	Horizontal	343	2.19	-	38.55	10.15	33.75			
AV	15.56698G	50.15	54.00	-3.85	35.18	3	Horizontal	343	2.19	-	38.57	10.15	33.75			

5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TX

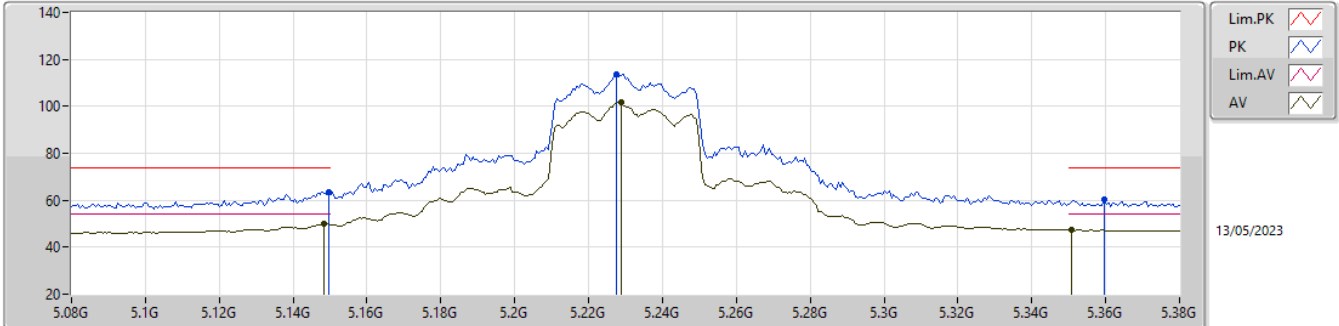


EUT_Z_2TX
Setting 19.5
04-H-S-8-10

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	5.15G	68.47	74.00	-5.53	62.64	3	Vertical	78	2.40	-	32.90	5.45	32.52			
AV	5.1496G	53.23	54.00	-0.77	47.40	3	Vertical	78	2.40	-	32.90	5.45	32.52			
PK	5.2294G	116.70	Inf	-Inf	110.73	3	Vertical	78	2.40	-	32.96	5.51	32.50			
AV	5.2294G	105.62	Inf	-Inf	99.65	3	Vertical	78	2.40	-	32.96	5.51	32.50			
PK	5.3506G	60.63	74.00	-13.37	54.32	3	Vertical	78	2.40	-	33.20	5.58	32.47			
AV	5.3506G	48.22	54.00	-5.78	41.91	3	Vertical	78	2.40	-	33.20	5.58	32.47			

5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TX

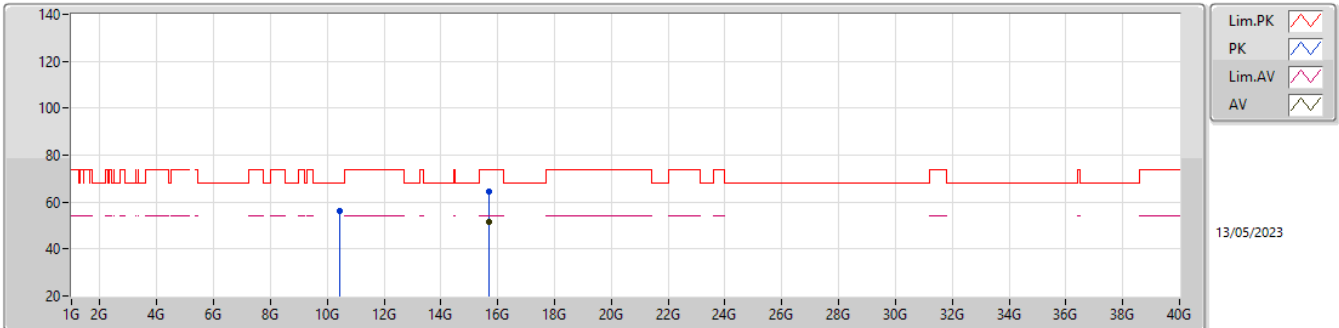


EUT_Z_2TX
Setting 19.5
04-H-S-8-10

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	5.1496G	63.67	74.00	-10.33	57.84	3	Horizontal	196	2.68	-	32.90	5.45	32.52			
AV	5.1484G	50.14	54.00	-3.86	44.31	3	Horizontal	196	2.68	-	32.90	5.45	32.52			
PK	5.2276G	113.57	Inf	-Inf	107.60	3	Horizontal	196	2.68	-	32.96	5.51	32.50			
AV	5.2288G	101.87	Inf	-Inf	95.90	3	Horizontal	196	2.68	-	32.96	5.51	32.50			
PK	5.3596G	60.13	74.00	-13.87	53.78	3	Horizontal	196	2.68	-	33.24	5.58	32.47			
AV	5.3506G	47.34	54.00	-6.66	41.03	3	Horizontal	196	2.68	-	33.20	5.58	32.47			

5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TX

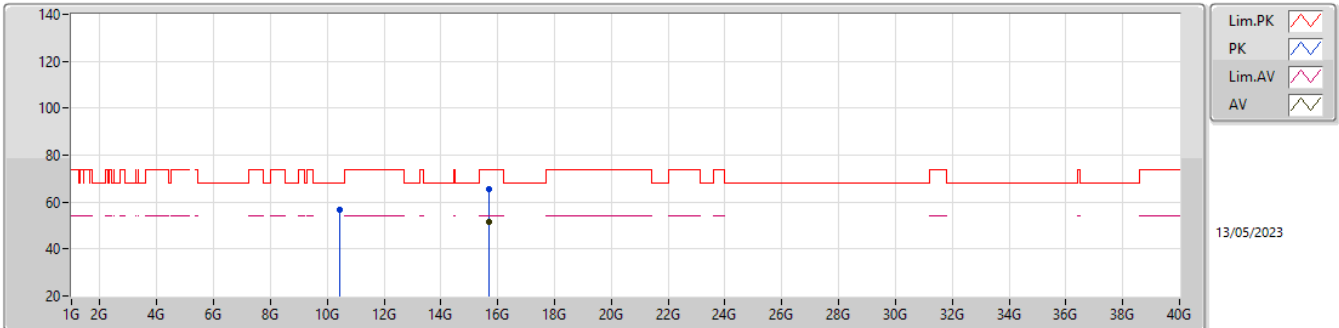


EUT_X_2TX
Setting 19.5
04-H-S-8

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	10.45682G	56.15	68.20	-12.05	42.02	3	Vertical	165	2.15	-	39.01	8.14	33.02			
PK	15.6912G	64.39	74.00	-9.61	49.81	3	Vertical	222	1.31	-	38.22	10.19	33.83			
AV	15.69138G	51.40	54.00	-2.60	36.82	3	Vertical	222	1.31	-	38.22	10.19	33.83			

5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TX

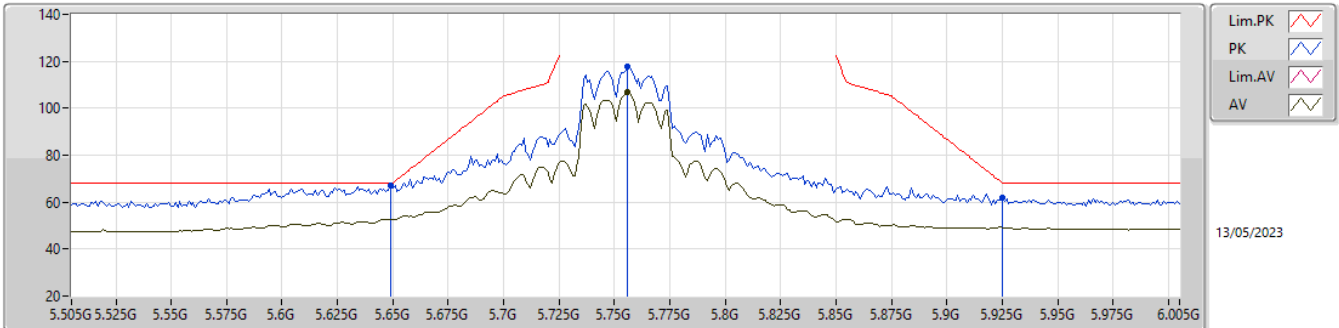


EUT_X_2TX
Setting 19.5
04-H-S-8

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	10.45962G	56.52	68.20	-11.68	42.38	3	Horizontal	121	2.65	-	39.02	8.14	33.02			
PK	15.69078G	65.47	74.00	-8.53	50.89	3	Horizontal	0	2.08	-	38.22	10.19	33.83			
AV	15.69102G	51.38	54.00	-2.62	36.80	3	Horizontal	0	2.08	-	38.22	10.19	33.83			

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TX

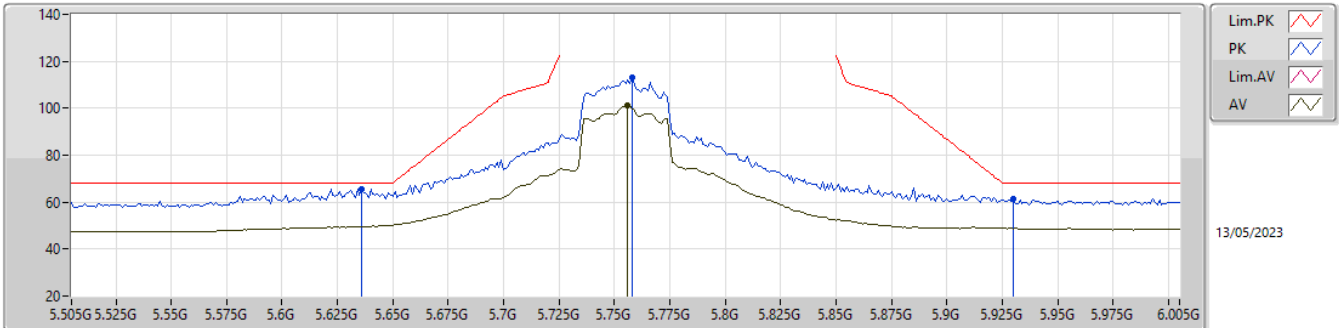


EUT_Z_2TX
Setting 20.5
04-H-5-8-10

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	5.649G	67.25	68.20	-0.95	60.00	3	Vertical	246	2.38	-	34.10	5.62	32.47			
PK	5.756G	117.85	Inf	-Inf	110.38	3	Vertical	246	2.38	-	34.30	5.68	32.51			
AV	5.756G	106.76	Inf	-Inf	99.29	3	Vertical	246	2.38	-	34.30	5.68	32.51			
PK	5.925G	61.84	68.20	-6.36	53.59	3	Vertical	246	2.38	-	35.05	5.76	32.56			

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TX

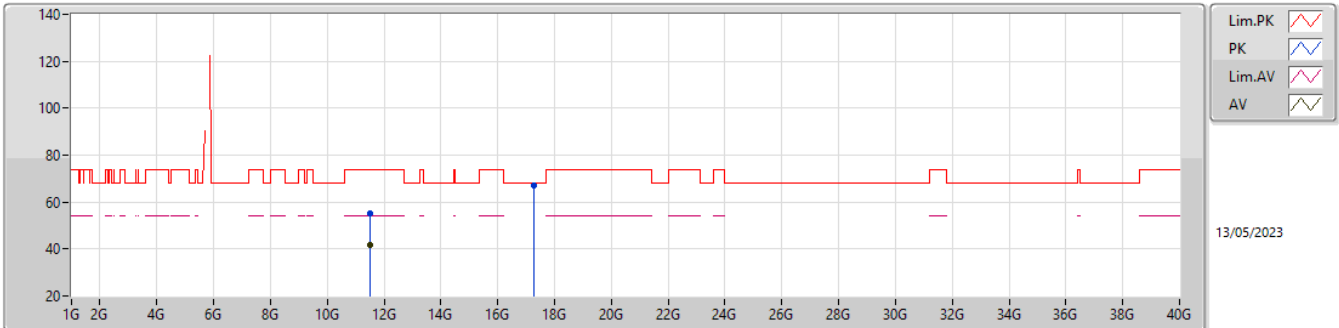


EUT_Z_2TX
Setting 20.5
04-H-5-8-10

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	65.61	68.20	-2.59	58.36	3	Horizontal	210	2.88	-	34.10	5.62	32.47			
PK	5.758G	112.88	Inf	-Inf	105.41	3	Horizontal	210	2.88	-	34.30	5.68	32.51			
AV	5.756G	101.42	Inf	-Inf	93.95	3	Horizontal	210	2.88	-	34.30	5.68	32.51			
PK	5.93G	61.37	68.20	-6.83	53.09	3	Horizontal	210	2.88	-	35.08	5.76	32.56			

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TX

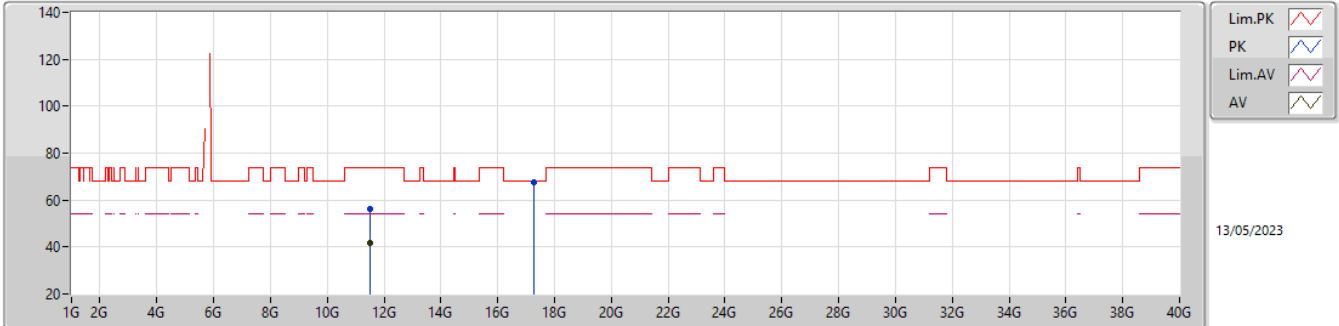


EUT_X_2TX
Setting 20.5
04-H-S-8

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	11.51154G	55.37	74.00	-18.63	41.82	3	Vertical	290	2.36	-	39.20	8.45	34.10			
AV	11.5102G	41.91	54.00	-12.09	28.36	3	Vertical	290	2.36	-	39.20	8.45	34.10			
PK	17.2632G	67.24	68.20	-0.96	48.27	3	Vertical	325	2.51	-	41.45	11.12	33.60			

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TX

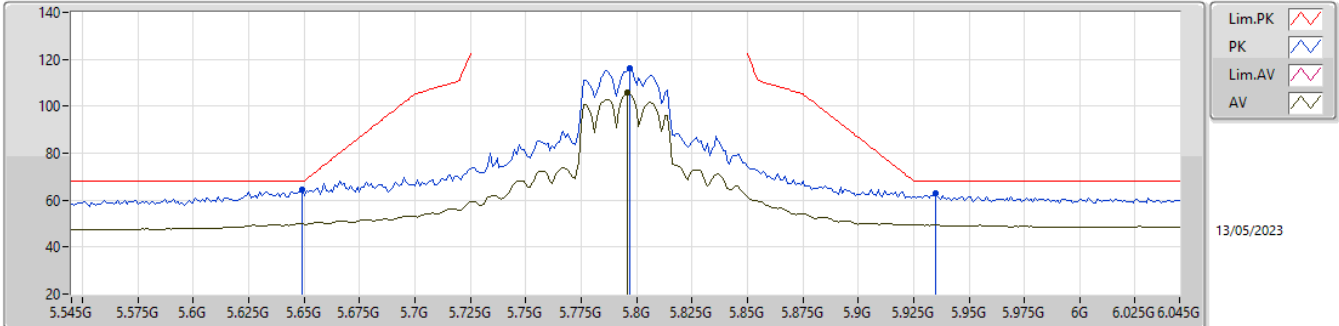


EUT_X_2TX
Setting 20.5
04-H-S-8

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	11.50746G	56.08	74.00	-17.92	42.52	3	Horizontal	308	2.78	-	39.20	8.45	34.09			
AV	11.50916G	41.96	54.00	-12.04	28.41	3	Horizontal	308	2.78	-	39.20	8.45	34.10			
PK	17.26052G	67.72	68.20	-0.48	48.76	3	Horizontal	347	2.06	-	41.44	11.12	33.60			

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TX

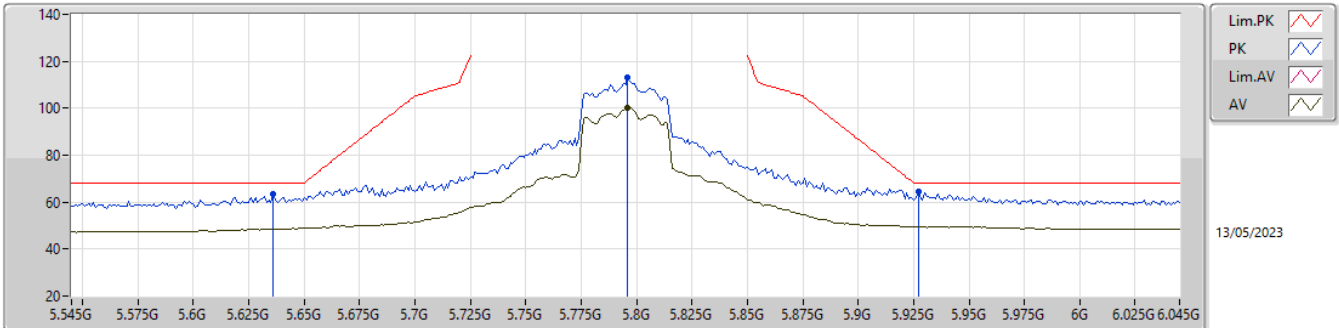


EUT_Z_2TX
Setting 20
04-H-5-8-10

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	5.649G	64.23	68.20	-3.97	56.98	3	Vertical	245	2.36	-	34.10	5.62	32.47			
PK	5.797G	116.38	Inf	-Inf	108.90	3	Vertical	245	2.36	-	34.30	5.70	32.52			
AV	5.796G	105.80	Inf	-Inf	98.32	3	Vertical	245	2.36	-	34.30	5.70	32.52			
PK	5.935G	63.17	68.20	-5.03	54.85	3	Vertical	245	2.36	-	35.11	5.77	32.56			

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TX

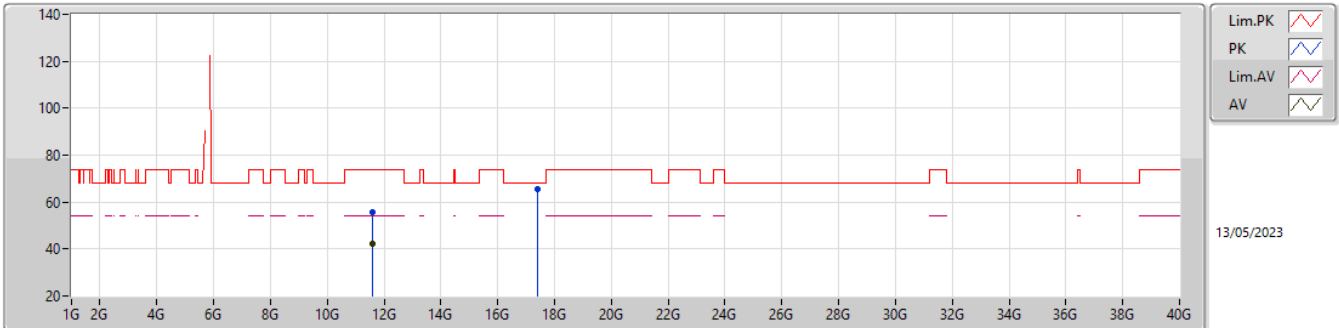


EUT_Z_2TX
Setting 20
04-H-5-8-10

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	63.52	68.20	-4.68	56.27	3	Horizontal	207	2.87	-	34.10	5.62	32.47			
PK	5.796G	112.86	Inf	-Inf	105.38	3	Horizontal	207	2.87	-	34.30	5.70	32.52			
AV	5.796G	100.42	Inf	-Inf	92.94	3	Horizontal	207	2.87	-	34.30	5.70	32.52			
PK	5.927G	64.57	68.20	-3.63	56.31	3	Horizontal	207	2.87	-	35.06	5.76	32.56			

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TX

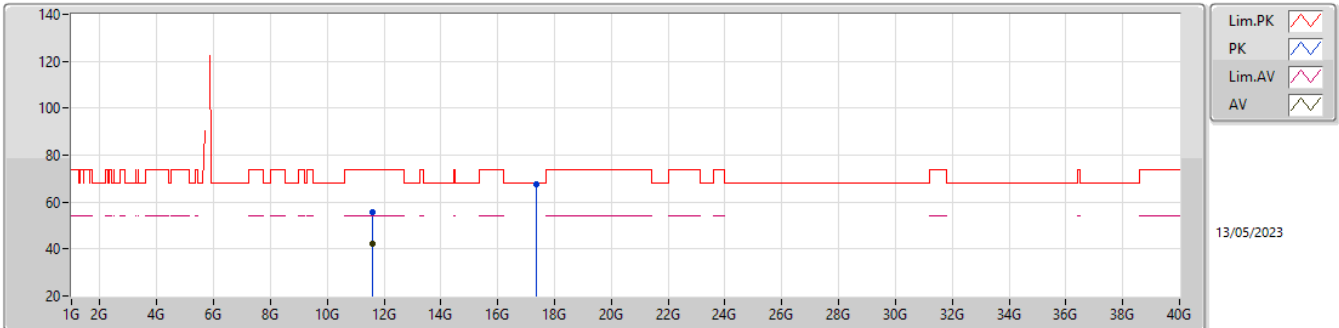


EUT_X_2TX
Setting 20
04-H-S-8

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	11.58902G	55.70	74.00	-18.30	42.16	3	Vertical	216	1.72	-	39.20	8.48	34.14			
AV	11.59264G	42.23	54.00	-11.77	28.69	3	Vertical	216	1.72	-	39.20	8.48	34.14			
PK	17.38344G	65.31	68.20	-2.89	45.95	3	Vertical	319	2.25	-	41.77	11.20	33.61			

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TX

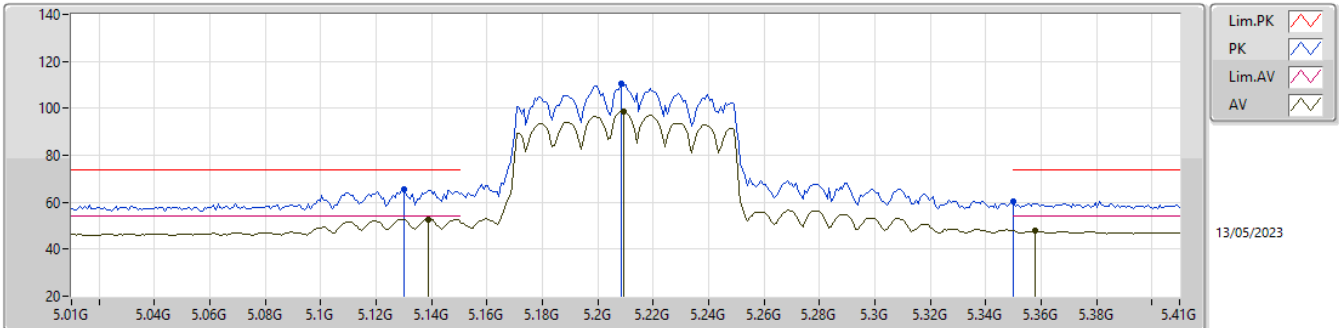


EUT_X_2TX
Setting 20
04-H-5-8

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	11.5942G	55.85	74.00	-18.15	42.31	3	Horizontal	274	1.94	-	39.20	8.48	34.14			
AV	11.59276G	42.21	54.00	-11.79	28.67	3	Horizontal	274	1.94	-	39.20	8.48	34.14			
PK	17.37812G	67.63	68.20	-0.57	48.28	3	Horizontal	125	1.24	-	41.76	11.20	33.61			

5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TX

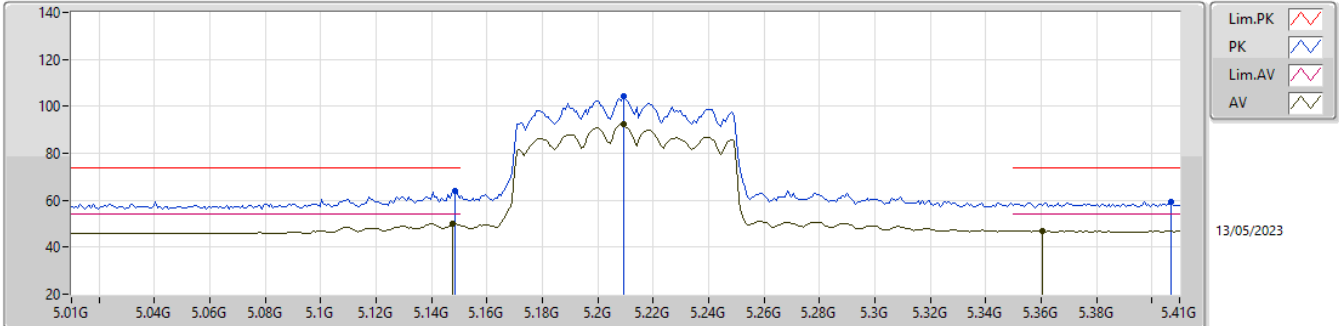


EUT_Z_2TX
Setting 15.5
04-H-S-8-10

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	5.13G	65.27	74.00	-8.73	59.43	3	Vertical	268	2.68	-	32.94	5.43	32.53			
AV	5.1388G	52.84	54.00	-1.16	47.00	3	Vertical	268	2.68	-	32.92	5.44	32.52			
PK	5.2084G	110.48	Inf	-Inf	104.57	3	Vertical	268	2.68	-	32.92	5.50	32.51			
AV	5.2092G	98.82	Inf	-Inf	92.91	3	Vertical	268	2.68	-	32.92	5.50	32.51			
PK	5.35G	60.18	74.00	-13.82	53.88	3	Vertical	268	2.68	-	33.20	5.57	32.47			
AV	5.358G	47.98	54.00	-6.02	41.64	3	Vertical	268	2.68	-	33.23	5.58	32.47			

5.15-5.25GHz_802.11ax_HEW80_Nss1,(MCS0)_2TX

5210MHz_TX

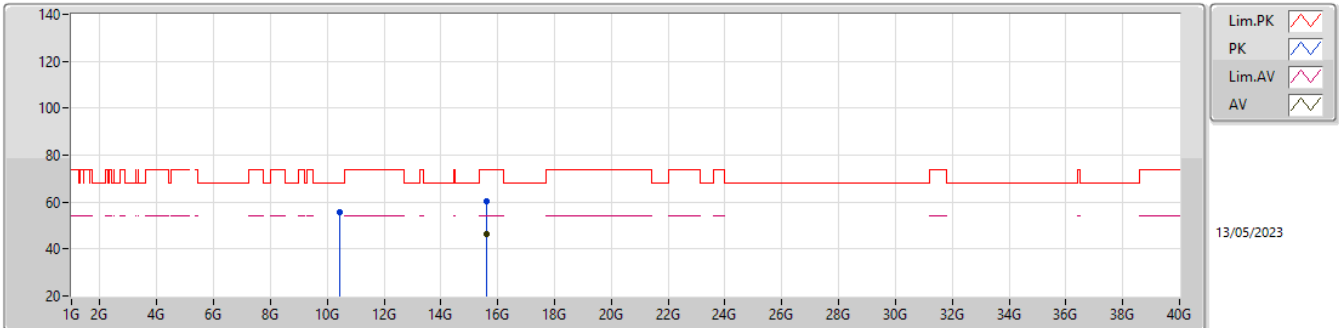


EUT_Z_2TX
Setting 15.5
04-H-S-8-10

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	5.1484G	64.03	74.00	-9.97	58.20	3	Horizontal	216	2.08	-	32.90	5.45	32.52			
AV	5.1476G	49.88	54.00	-4.12	44.05	3	Horizontal	216	2.08	-	32.90	5.45	32.52			
PK	5.2092G	104.38	Inf	-Inf	98.47	3	Horizontal	216	2.08	-	32.92	5.50	32.51			
AV	5.2092G	92.43	Inf	-Inf	86.52	3	Horizontal	216	2.08	-	32.92	5.50	32.51			
PK	5.4068G	59.14	74.00	-14.86	52.55	3	Horizontal	216	2.08	-	33.44	5.60	32.45			
AV	5.3604G	46.92	54.00	-7.08	40.57	3	Horizontal	216	2.08	-	33.24	5.58	32.47			

5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TX

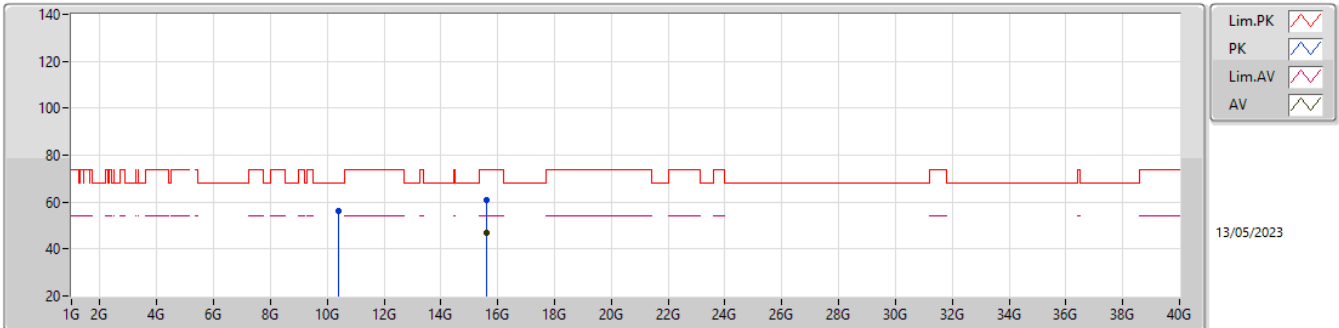


EUT_X_2TX
Setting 15.5
04-H-S-8

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	10.42106G	55.81	68.20	-12.39	41.75	3	Vertical	340	1.04	-	38.94	8.13	33.01			
PK	15.6257G	60.41	74.00	-13.59	45.68	3	Vertical	94	1.99	-	38.35	10.17	33.79			
AV	15.62848G	46.63	54.00	-7.37	31.91	3	Vertical	94	1.99	-	38.34	10.17	33.79			

5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TX

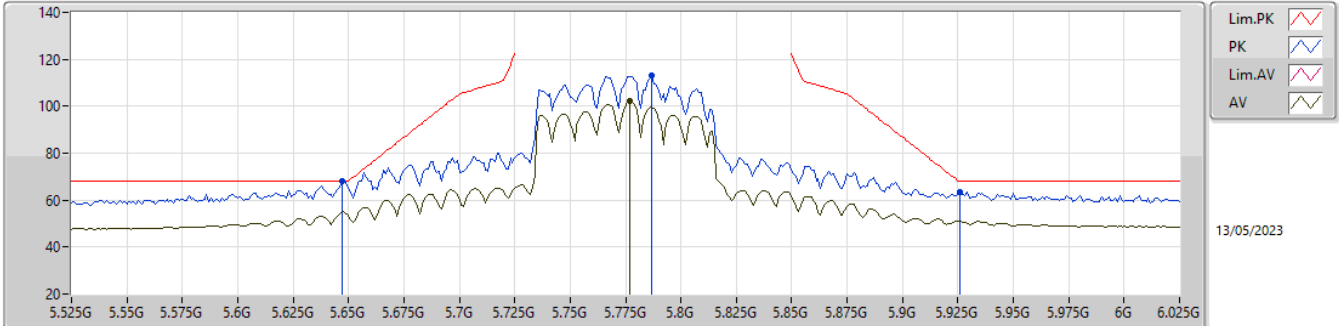


EUT_X_2TX
Setting 15.5
04-H-S-8

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	10.41702G	56.21	68.20	-11.99	42.16	3	Horizontal	0	1.59	-	38.93	8.13	33.01			
PK	15.62542G	60.69	74.00	-13.31	45.96	3	Horizontal	24	2.99	-	38.35	10.17	33.79			
AV	15.62598G	46.65	54.00	-7.35	31.92	3	Horizontal	24	2.99	-	38.35	10.17	33.79			

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TX

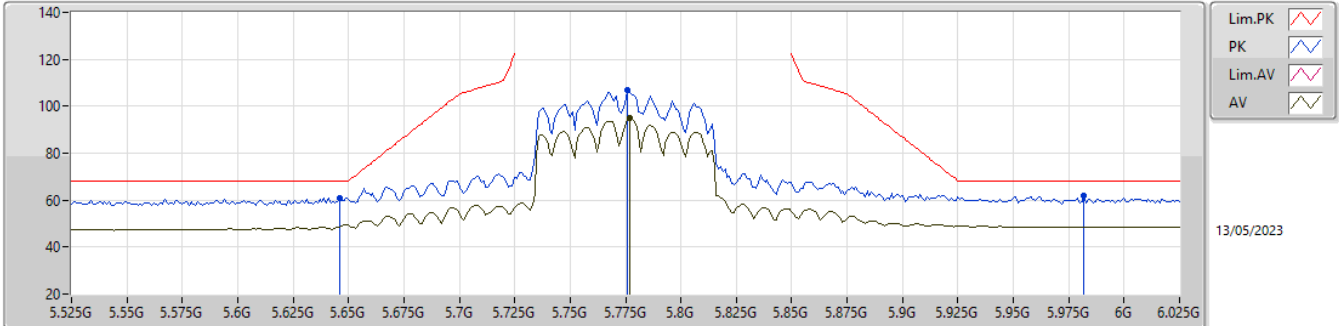


EUT_Z_2TX
Setting 18.5
04-H-5-8-10

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	5.647G	68.04	68.20	-0.16	60.79	3	Vertical	242	2.21	-	34.10	5.62	32.47			
PK	5.787G	112.90	Inf	-Inf	105.43	3	Vertical	242	2.21	-	34.30	5.69	32.52			
AV	5.777G	102.12	Inf	-Inf	94.64	3	Vertical	242	2.21	-	34.30	5.69	32.51			
PK	5.926G	63.49	68.20	-4.71	55.23	3	Vertical	242	2.21	-	35.06	5.76	32.56			

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TX

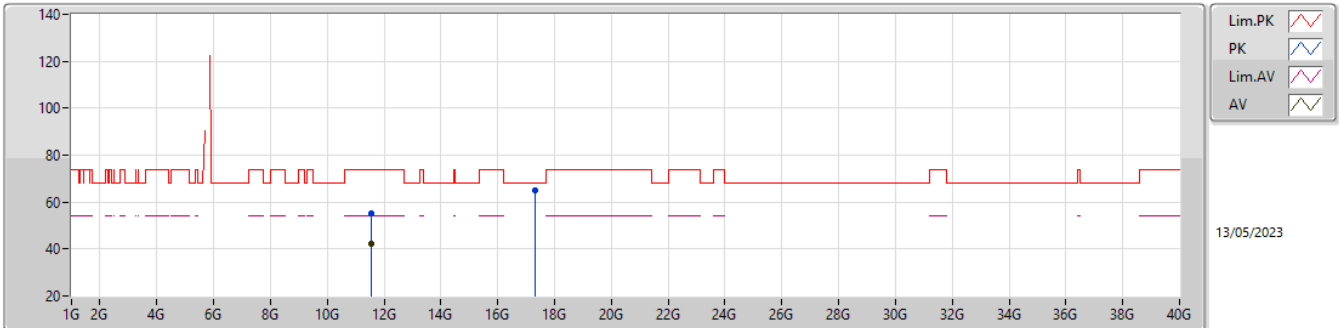


EUT_Z_2TX
Setting 18.5
04-H-5-8-10

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	5.646G	61.07	68.20	-7.13	53.82	3	Horizontal	228	2.00	-	34.10	5.62	32.47			
PK	5.776G	106.84	Inf	-Inf	99.36	3	Horizontal	228	2.00	-	34.30	5.69	32.51			
AV	5.777G	94.81	Inf	-Inf	87.33	3	Horizontal	228	2.00	-	34.30	5.69	32.51			
PK	5.982G	61.66	68.20	-6.54	53.18	3	Horizontal	228	2.00	-	35.26	5.79	32.57			

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TX

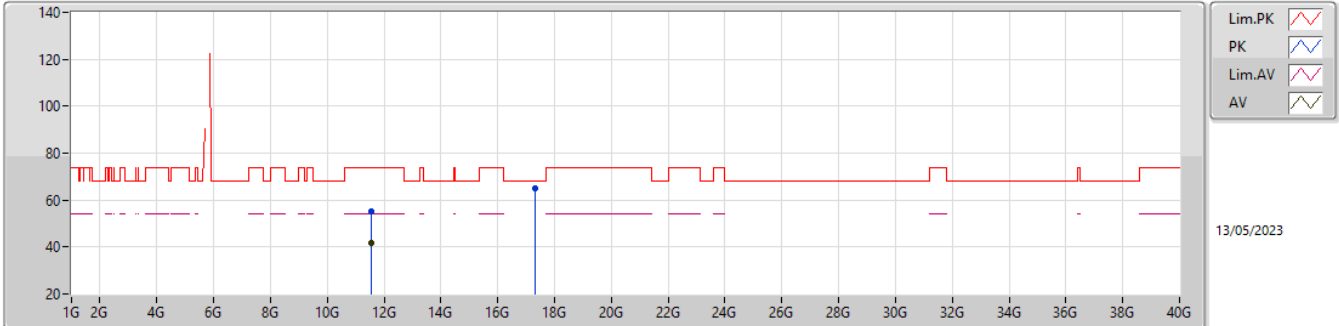


EUT_X_2TX
Setting 18.5
04-H-S-8

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	11.54562G	55.20	74.00	-18.80	41.66	3	Vertical	315	2.12	-	39.20	8.46	34.12			
AV	11.54552G	42.01	54.00	-11.99	28.47	3	Vertical	315	2.12	-	39.20	8.46	34.12			
PK	17.32696G	64.89	68.20	-3.31	45.69	3	Vertical	314	1.84	-	41.65	11.16	33.61			

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TX



EUT_X_2TX
Setting 18.5
04-H-S-8

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	11.54874G	55.37	74.00	-18.63	41.83	3	Horizontal	348	2.97	-	39.20	8.46	34.12			
AV	11.55102G	41.95	54.00	-12.05	28.40	3	Horizontal	348	2.97	-	39.20	8.47	34.12			
PK	17.3218G	65.16	68.20	-3.04	45.97	3	Horizontal	47	2.77	-	41.64	11.16	33.61			