



RADIO TEST REPORT

FCC ID : 2AXJ4X50
Equipment : AX3000 Whole Home Mesh Wi-Fi 6 System
Brand Name : tp-link
Model Name : Deco X50, Deco X55
Applicant : TP-Link Corporation Limited
Room 901, 9/F. , New East Ocean Centre, 9 Science
Museum Road, Tsim Sha Tsui, Kowloon, Hong Kong
Manufacturer : TP-Link Corporation Limited
Room 901, 9/F. , New East Ocean Centre, 9 Science
Museum Road, Tsim Sha Tsui, Kowloon, Hong Kong
Standard : 47 CFR FCC Part 15.407

The product was received on Jul. 13, 2021, and testing was started from Jul. 22, 2021 and completed on Sep. 14, 2021. 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
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Output Power	PASS	-
3.4	15.407(a)	Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen

Report Producer: Vicky 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]
5150-5350	ac (VHT160), ax (HEW160)	5250	50 [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	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ax HEW20	20	2TX
5.15-5.25GHz	802.11n HT40	40	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ax HEW40	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.15-5.25GHz	802.11ax HEW80	80	2TX
5.15-5.35GHz	802.11ac VHT160	160	2TX
5.15-5.35GHz	802.11ax HEW160	160	2TX
5.725-5.85GHz	802.11a	20	2TX
5.725-5.85GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ax HEW20	20	2TX
5.725-5.85GHz	802.11n HT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ax HEW40	40	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ax HEW80	80	2TX

Note:

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

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	
						2.4GHz	5GHz
1	2	tp-link	3101502756	Dipole Antenna	I-PEX	1.93	0.9
2	1	tp-link	3101502757	Dipole Antenna	I-PEX	1.94	0.97

Note: The above information was declared by manufacturer.

<For 2.4GHz Function>

For IEEE 802.11b/g/n/ax mode (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 mode (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	0.948	0.23	2m	1k
802.11ax HEW20	0.934	0.3	5.52m	300
802.11ax HEW40	0.932	0.31	5.52m	300
802.11ax HEW80	0.93	0.32	5.52m	300
802.11ax HEW160	0.928	0.32	5.52m	300

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From power adapter			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
TPC Function	☒	With TPC	☐	Without TPC
Test Software Version	QSPR Version 5.0-00196			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

EUT	Model Name	The color of the top cover on the EUT
1	Deco X50	White
2	Deco X55	Black

Note 1: From the above models, model: Deco X50 was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

1.1.6 Table for EUT Supports Functions

Function
AP Router
Mesh

Note: After evaluating, there is only AP Router mode was selected to test and record in the report.



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 ISED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Serway Li	23.5~25.4 / 54~56	Aug. 16, 2021~ Sep. 14, 2021
Radiated (Below 1GHz)	10CH01-CB	Zack Kuo	24~26 / 55~57	Jul. 23, 2021
Radiated (Above 1GHz)	03CH02-CB	Ken Yeh	24.6-25.7 / 55-58	Aug. 13, 2021~ Sep. 14, 2021
Radiated (Co-location)	03CH01-CB	Ken Yeh	23.9-26.1 / 55-58	Aug. 13, 2021~ Sep. 14, 2021
AC Conduction	CO02-CB	Wei Li	23~24 / 61~64	Jul. 22, 2021



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)	2.0 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	1.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	22.5
5200MHz	22.5
5240MHz	23
5745MHz	22.5
5785MHz	23
5825MHz	23
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	22.5
5200MHz	22.5
5240MHz	23
5745MHz	23
5785MHz	23
5825MHz	23
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	21
5230MHz	23
5755MHz	23
5795MHz	22
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	21
5775MHz	23
802.11ax HEW160_Nss1,(MCS0)_2TX	-
5250MHz Straddle 5.15-5.25GHz	21.5
5250MHz Straddle 5.25-5.35GHz	21.5

2.2 The Worst Case Measurement Configuration

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

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	AP Router mode-EUT 1 + Adapter
Operating Mode > 1GHz	CTX

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA171316 for Co-location RF Exposure Evaluation.	

Note: The EUT can only be used at Y axis position.



2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter	tp-link	T120150-2B4	Input: 100-240V~50/60Hz, 0.6A Output: 12V, 1.5A

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	WAN NB	DELL	E6430	N/A
B	LAN NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	AP Router	ASUS	RP-N53	MSQ-RPN53

For Radiated (below 1GHz):

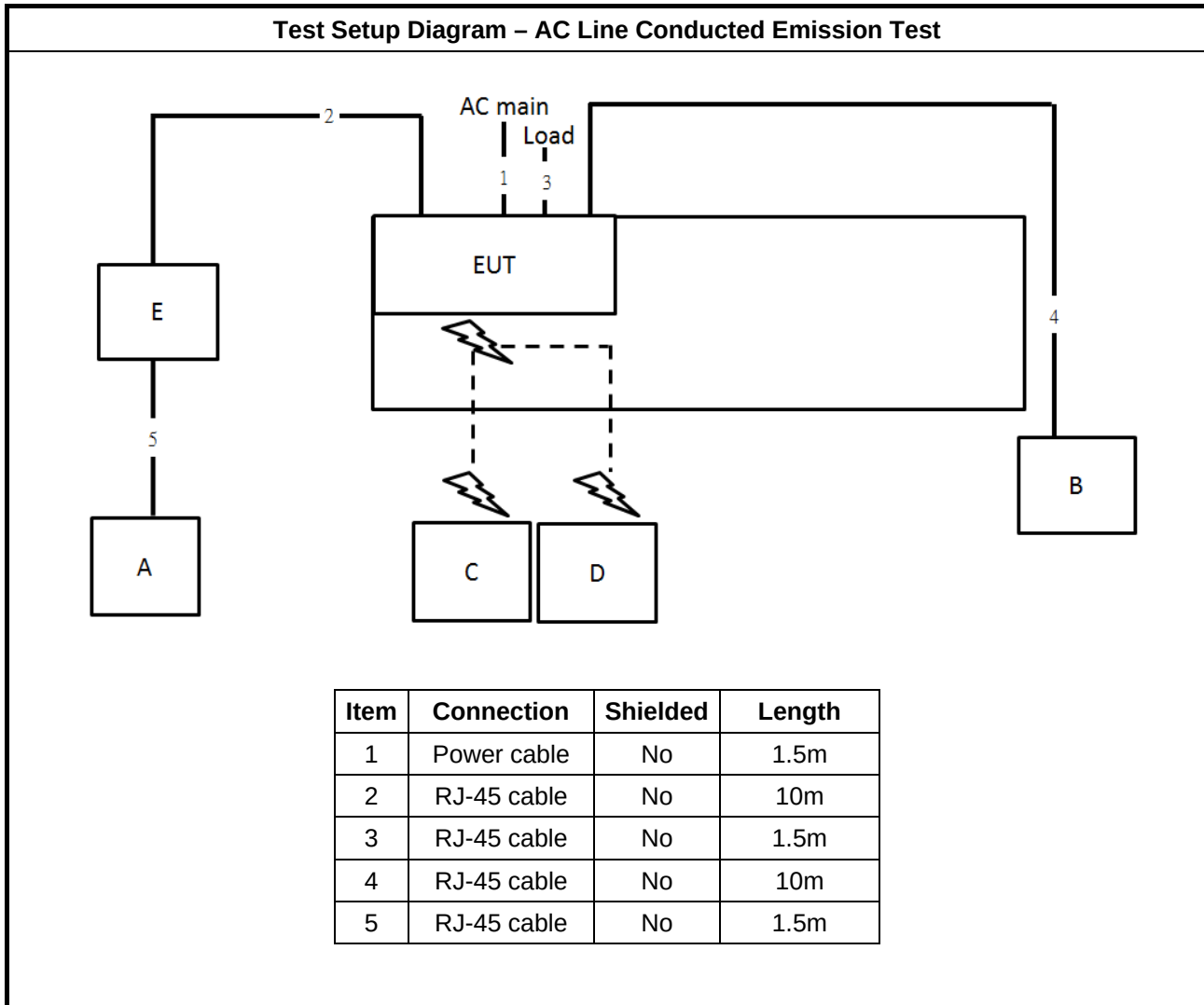
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	WAN NB	DELL	E6430	N/A
B	LAN NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	AP Router	ASUS	RP-N53	MSQ-RPN53

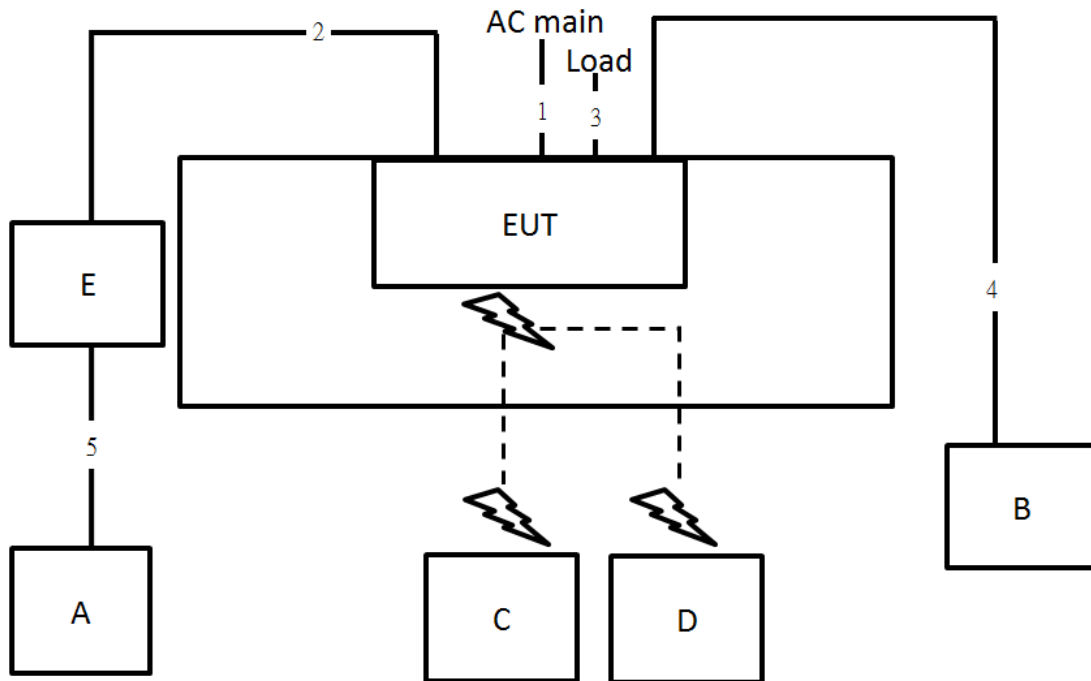


For Radiated (above 1GHz) and RF Conducted:

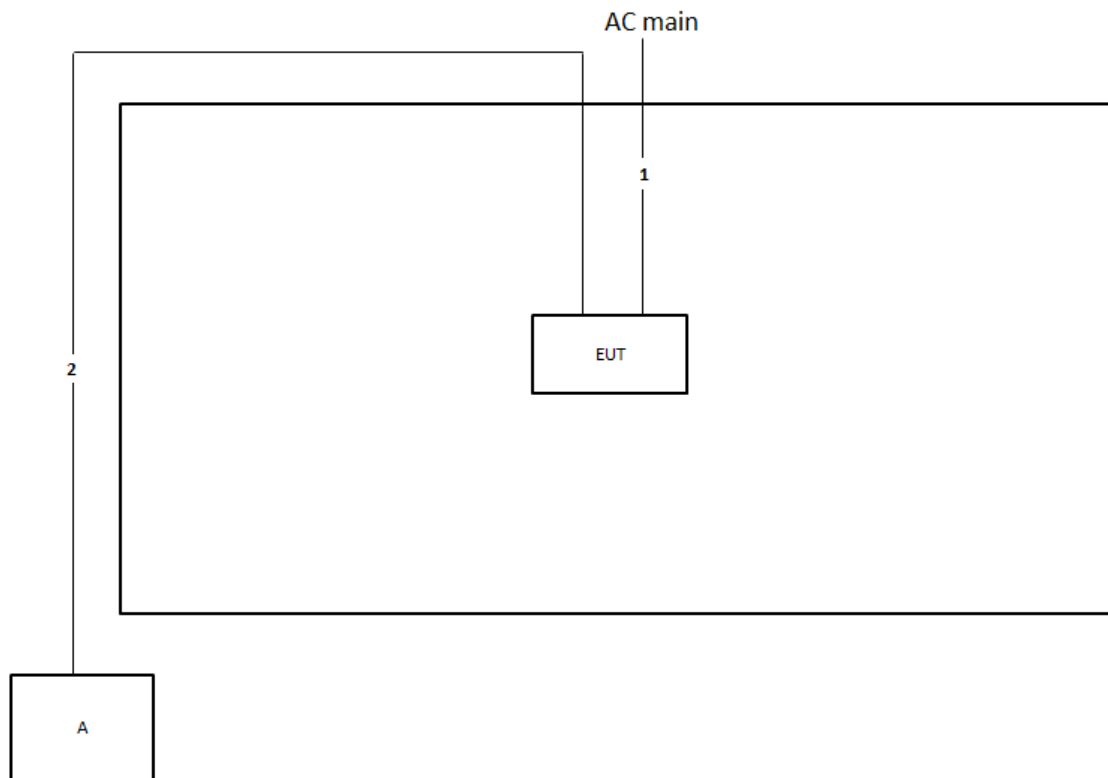
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


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

Test Setup Diagram - Radiated Test > 1GHz


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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

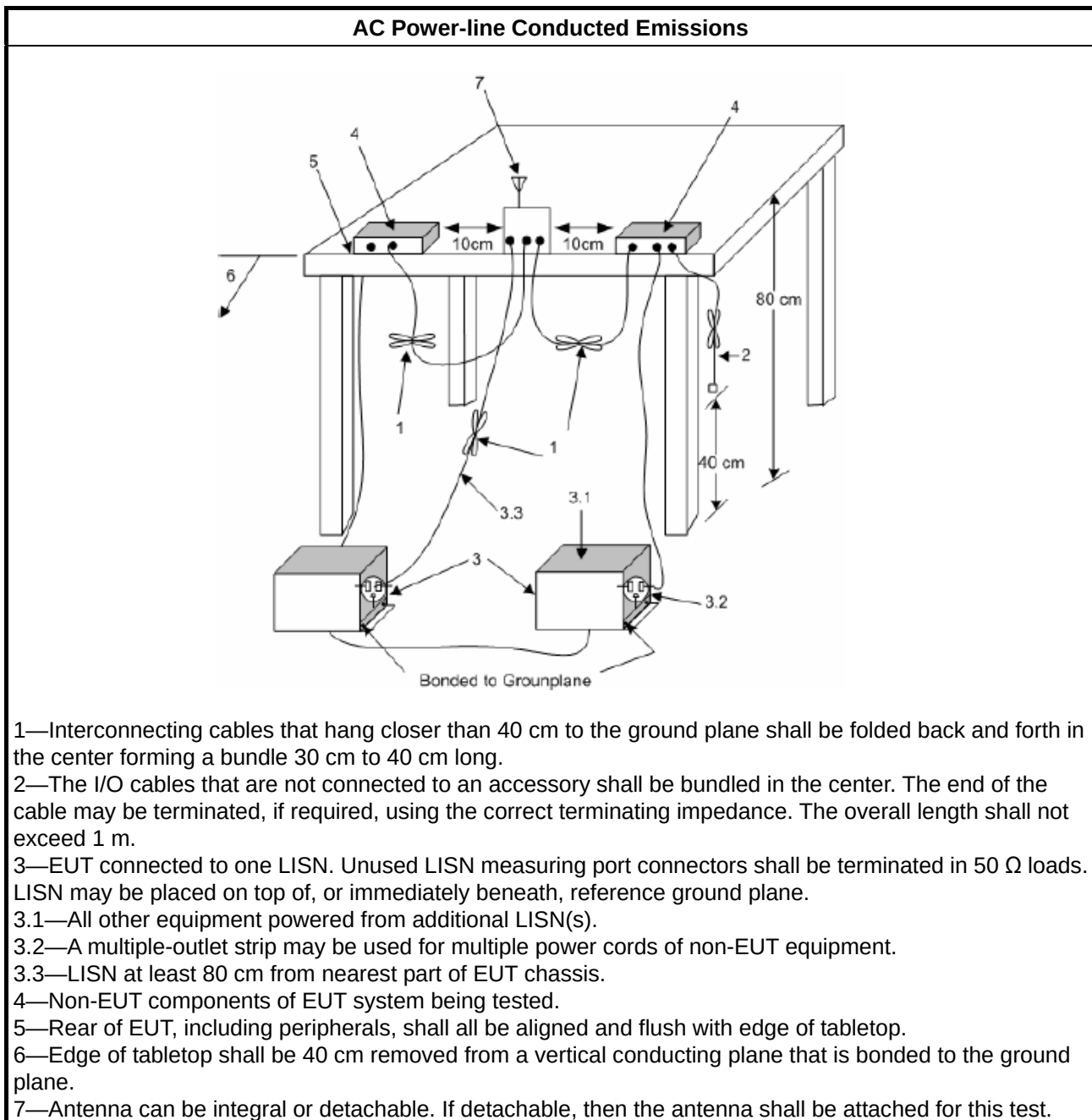
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☒	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 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 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.
☐	For the 5.85-5.895 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.
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 $\geq$ 500kHz.

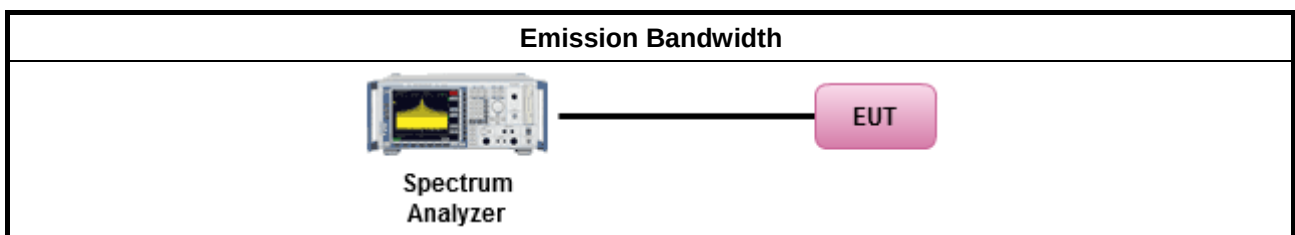
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
For the emission bandwidth shall be measured using one of the options below:	
☒	Refer as FCC KDB 789033, 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.
Maximum EIRP Limit	
☐ For the 5.85-5.895 GHz band:	
☐	- Indoor AP & subordinate device < 36 dBm - Client device < 30 dBm
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

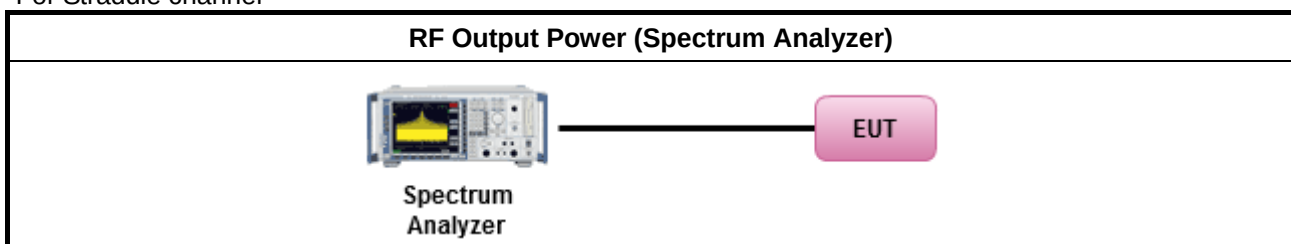
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

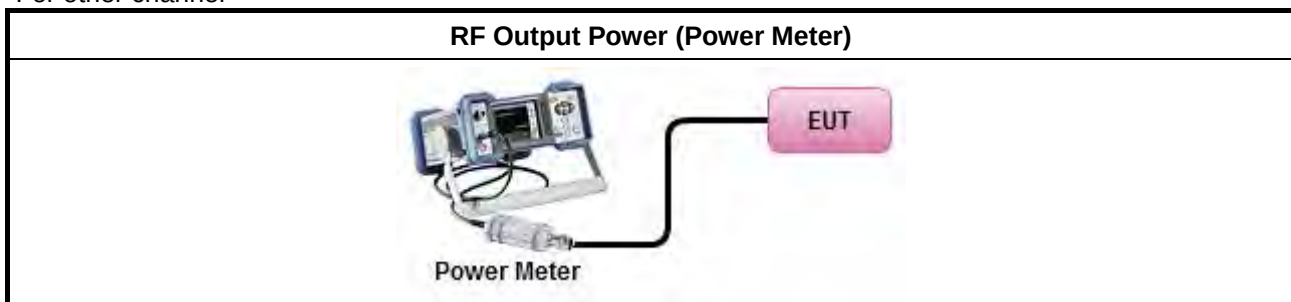
Test Method	
Maximum Conducted Output Power	
	Average over on/off periods with duty factor
☒	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
☒	Refer as FCC KDB 789033, 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]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup

For Straddle channel



For other channel





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.
EIRP Power Spectral Density Limit	
☐ For the 5.85-5.895 GHz band:	
	- Indoor AP & subordinate device < 20dBm/MHz - Client device < 14dBm/MHz
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 $0^\circ \leq \theta < 8^\circ$; $-13 - 0.716 (\theta - 8)$ dBW/MHz for $8^\circ \leq \theta < 40^\circ$ $-35.9 - 1.22 (\theta - 40)$ 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.

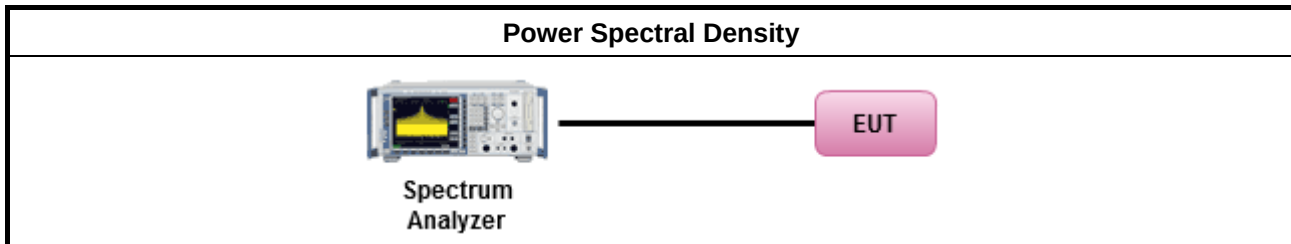
3.4.2 Measuring Instruments

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, 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, clause E Method SA-1 (spectral trace averaging).
☐	Refer as FCC KDB 789033, 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, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below:	
☒	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]) $EIRP_{total} = PPSD_{total} + DG$	

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.
☐ 5.85 - 5.895 GHz	(i) For an indoor access point or subordinate device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of - 7 dBm/MHz at or above 5.925 GHz. (ii) For a client device, all emissions at or above 5.895 GHz shall not exceed an



	e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 dBm/MHz at or above 5.925 GHz. (iii) For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/ MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.
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, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).
	☒ Refer as FCC KDB 789033, 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, 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.	

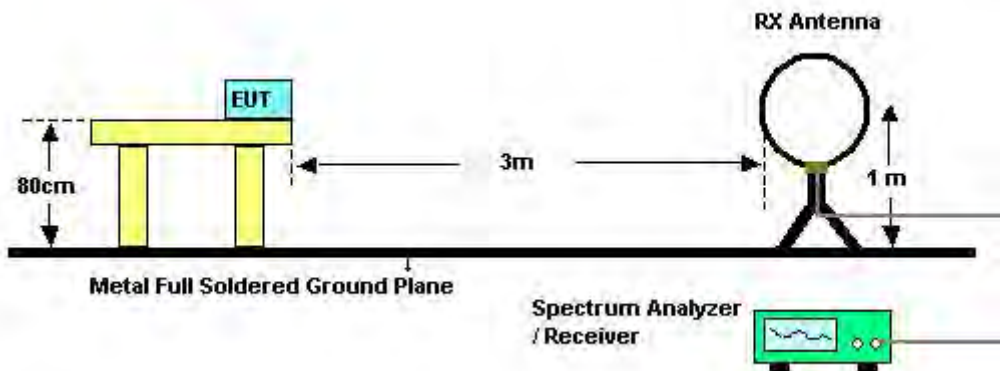
Test Method

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

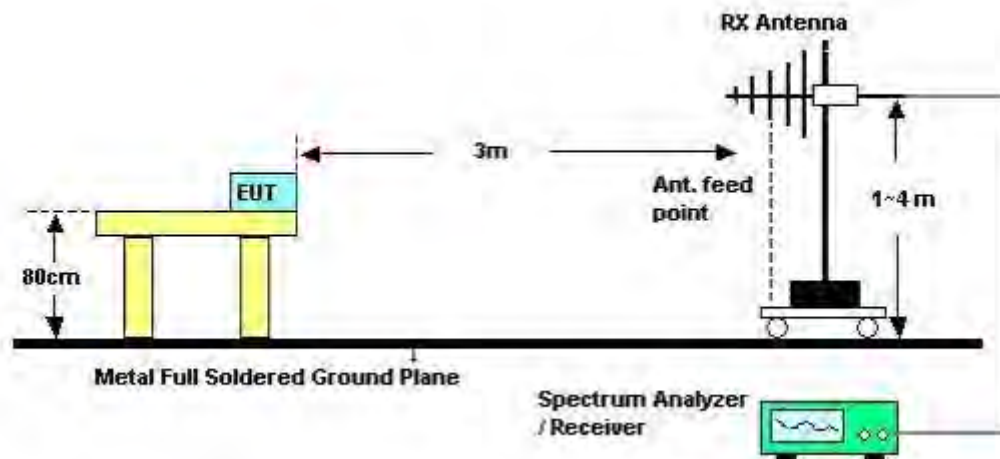
3.5.4 Test Setup

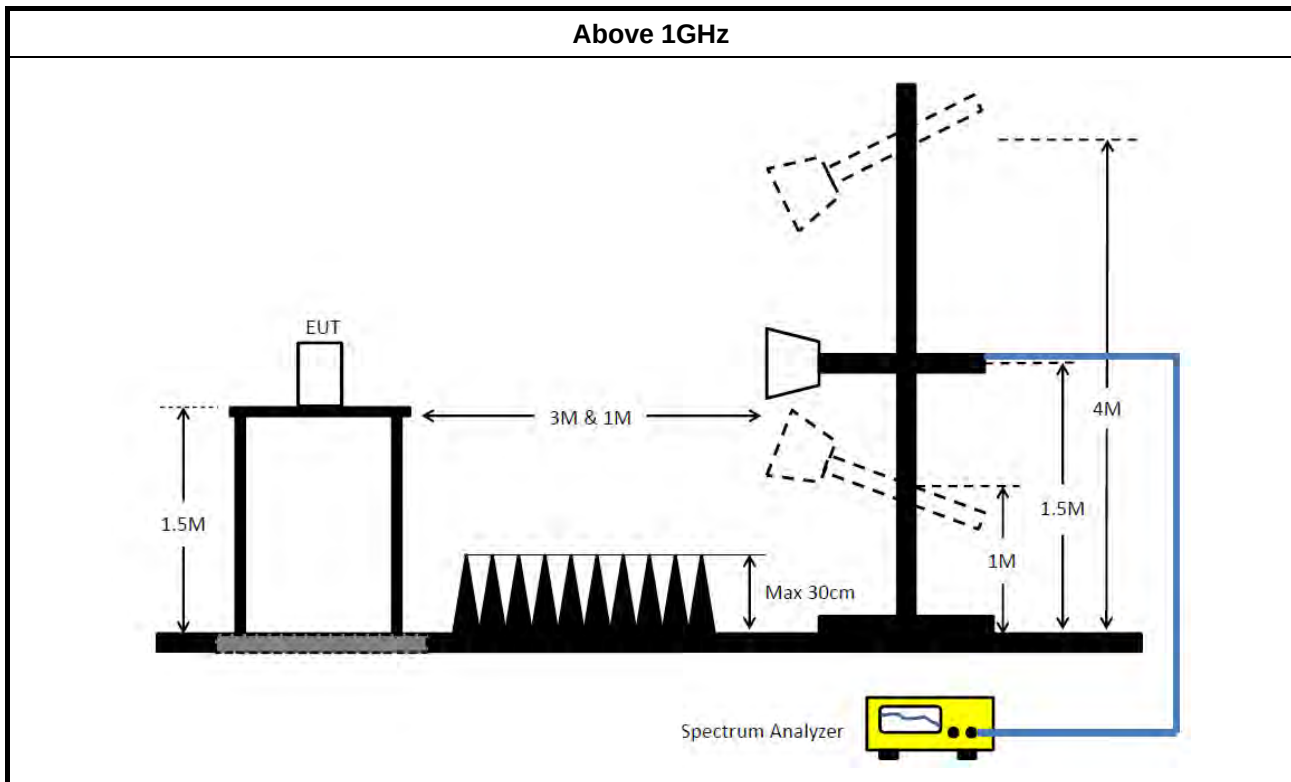
Transmitter Radiated Unwanted Emissions

9kHz ~30MHz



30MHz~1GHz





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
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Dec. 04, 2020	Dec. 03, 2021	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 20, 2020	Nov. 19, 2021	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	May 05, 2021	May 04, 2022	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 20, 2020	Oct. 19, 2021	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Mar. 18, 2021	Mar. 17, 2022	Conduction (CO02-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
10m Semi Anechoic Chamber NSA	TDK	SAC-10M	10CH01-CB	30MHz~1GHz 10m,3m	Jan. 28, 2021	Jan. 27, 2022	Radiation (10CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 14, 2021	Apr. 13, 2022	Radiation (10CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10783	9kHz ~ 1.3GHz	Mar. 11, 2021	Mar. 10, 2022	Radiation (10CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10784	9kHz ~ 1.3GHz	Mar. 11, 2021	Mar. 10, 2022	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-01	25MHz ~ 1GHz	Oct. 20, 2020	Oct. 19, 2021	Radiation (10CH01-CB)
High Cable	Woken	SUCOFLEX 104	low cable-02	25MHz ~ 1GHz	Oct. 20, 2020	Oct. 19, 2021	Radiation (10CH01-CB)
Bilog Antenna with 6dB Attenuator	Chase & EMCI	CBL6111A &N-6-06	1543 &AT-N0609	30MHz ~ 1GHz	Jul. 01, 2021	Jun. 30, 2022	Radiation (10CH01-CB)
EMI Test Receiver	Rohde& Schwarz	ESCI	100186	9kHz ~ 3GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (10CH01-CB)
Spectrum Analyzer	Rohde& Schwarz	FSV30	101026	9kHz ~ 30GHz	Mar. 08, 2021	Mar. 07, 2022	Radiation (10CH01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (10CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 07, 2021	May 06, 2022	Radiation (03CH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 06, 2020	Nov. 05, 2021	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 20, 2021	May 19, 2022	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 03, 2021	May 02, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz 3m	Mar. 27, 2021	Mar. 26, 2022	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	May 04, 2021	May 03, 2022	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 15, 2020	Oct. 14, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz~40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 21, 2021	May 20, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz~26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz ~ 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz~26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz ~ 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz~26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz ~ 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 23, 2021	Feb. 22, 2022	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 23, 2021	Feb. 22, 2022	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.

NCR means Non-Calibration required.



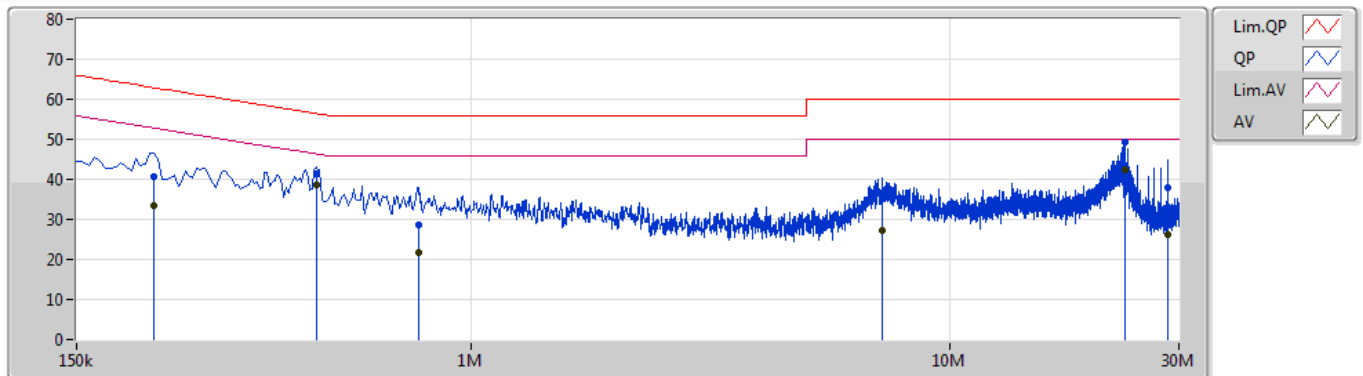
Conducted Emissions at Powerline

Appendix A

Summary

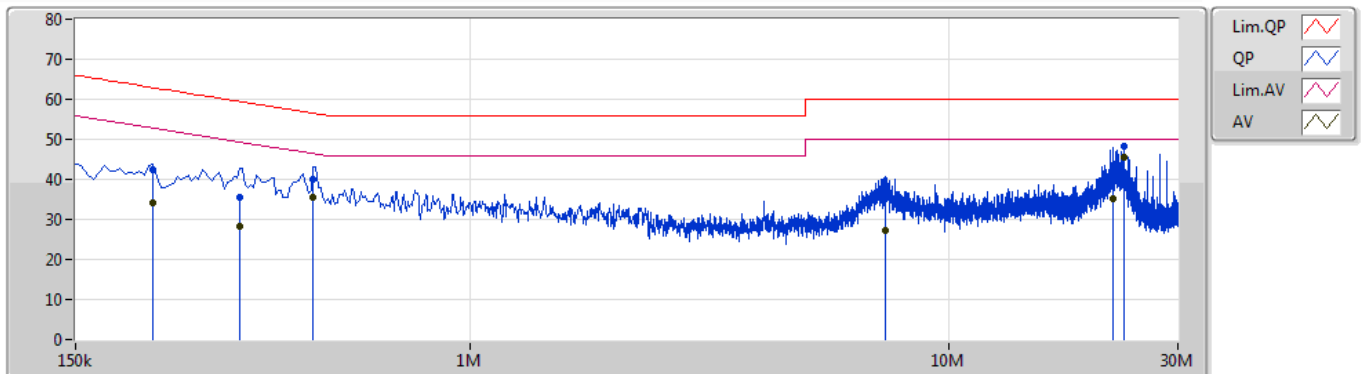
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	23.127M	45.67	50.00	-4.33	Neutral

22/07/2021



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	217.5k	40.83	62.92	-22.09	10.29	Line	-	30.54	0.07	0.07	10.15			
AV	217.5k	33.49	52.92	-19.43	10.29	Line	-	23.20	0.07	0.07	10.15			
QP	474k	41.28	56.44	-15.16	10.25	Line	-	31.03	0.08	0.06	10.11			
AV	474k	38.70	46.44	-7.74	10.25	Line	-	28.45	0.08	0.06	10.11			
QP	775.5k	28.58	56.00	-27.42	10.26	Line	-	18.32	0.09	0.07	10.10			
AV	775.5k	21.74	46.00	-24.26	10.26	Line	-	11.48	0.09	0.07	10.10			
QP	7.197M	35.24	60.00	-24.76	10.52	Line	-	24.72	0.22	0.19	10.11			
AV	7.197M	27.39	50.00	-22.61	10.52	Line	-	16.87	0.22	0.19	10.11			
QP	23.127M	49.16	60.00	-10.84	10.97	Line	-	38.19	0.49	0.28	10.20			
AV	23.127M	42.48	50.00	-7.52	10.97	Line	"Worst"	31.51	0.49	0.28	10.20			
QP	28.451M	37.78	60.00	-22.22	11.09	Line	-	26.69	0.61	0.29	10.19			
AV	28.451M	26.36	50.00	-23.64	11.09	Line	-	15.27	0.61	0.29	10.19			

22/07/2021



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	217.5k	42.41	62.92	-20.51	10.28	Neutral	-	32.13	0.06	0.07	10.15			
AV	217.5k	34.20	52.92	-18.72	10.28	Neutral	-	23.92	0.06	0.07	10.15			
QP	330k	35.36	59.44	-24.08	10.24	Neutral	-	25.12	0.06	0.06	10.12			
AV	330k	28.22	49.44	-21.22	10.24	Neutral	-	17.98	0.06	0.06	10.12			
QP	469.5k	39.94	56.52	-16.58	10.23	Neutral	-	29.71	0.06	0.06	10.11			
AV	469.5k	35.57	46.52	-10.95	10.23	Neutral	-	25.34	0.06	0.06	10.11			
QP	7.35M	35.01	60.00	-24.99	10.49	Neutral	-	24.52	0.19	0.19	10.11			
AV	7.35M	27.40	50.00	-22.60	10.49	Neutral	-	16.91	0.19	0.19	10.11			
QP	21.912M	43.50	60.00	-16.50	10.79	Neutral	-	32.71	0.31	0.28	10.20			
AV	21.912M	35.18	50.00	-14.82	10.79	Neutral	-	24.39	0.31	0.28	10.20			
QP	23.127M	48.44	60.00	-11.56	10.81	Neutral	-	37.63	0.33	0.28	10.20			
AV	23.127M	45.67	50.00	-4.33	10.81	Neutral	"Worst"	34.86	0.33	0.28	10.20			

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	19.71M	16.342M	16M3D7W	18.9M	16.312M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.48M	18.861M	18M9D7W	20.55M	18.831M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.56M	37.721M	37M7D7W	40.26M	37.661M
802.11ax HEW80_Nss1,(MCS0)_2TX	81.24M	76.762M	76M8D7W	81.24M	76.642M
802.11ax HEW160_Nss1,(MCS0)_2TX	82.24M	78.201M	78M2D7W	81.68M	78.041M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_2TX	82.24M	78.361M	78M4D7W	81.76M	78.201M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.29M	16.38M	16M4D7W	14.85M	16.32M
802.11ax HEW20_Nss1,(MCS0)_2TX	16.59M	18.93M	18M9D7W	14.31M	18.861M
802.11ax HEW40_Nss1,(MCS0)_2TX	36.48M	37.781M	37M8D7W	31.92M	37.661M
802.11ax HEW80_Nss1,(MCS0)_2TX	61.2M	76.762M	76M8D7W	60M	76.762M

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

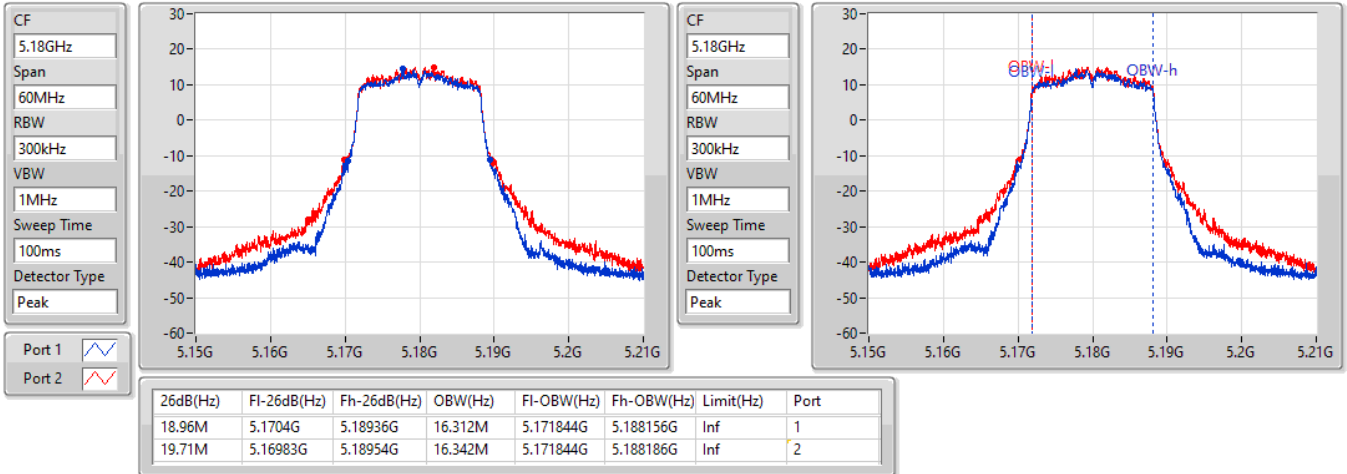
Result

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	18.96M	16.312M	19.71M	16.342M
5200MHz	Pass	Inf	18.9M	16.312M	18.96M	16.312M
5240MHz	Pass	Inf	18.99M	16.312M	19.68M	16.342M
5745MHz	Pass	500k	15.09M	16.38M	16.29M	16.32M
5785MHz	Pass	500k	15.75M	16.38M	15M	16.32M
5825MHz	Pass	500k	15.03M	16.38M	14.85M	16.35M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.88M	18.861M	20.55M	18.831M
5200MHz	Pass	Inf	20.88M	18.831M	20.76M	18.861M
5240MHz	Pass	Inf	20.97M	18.861M	21.48M	18.831M
5745MHz	Pass	500k	15.84M	18.87M	15M	18.93M
5785MHz	Pass	500k	15.36M	18.861M	14.31M	18.861M
5825MHz	Pass	500k	14.67M	18.87M	16.59M	18.87M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.26M	37.721M	40.32M	37.661M
5230MHz	Pass	Inf	40.38M	37.721M	40.56M	37.721M
5755MHz	Pass	500k	34.62M	37.721M	36.48M	37.781M
5795MHz	Pass	500k	35.04M	37.661M	31.92M	37.781M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.24M	76.762M	81.24M	76.642M
5775MHz	Pass	500k	61.2M	76.762M	60M	76.762M
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.68M	78.201M	82.24M	78.041M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.24M	78.361M	81.76M	78.201M

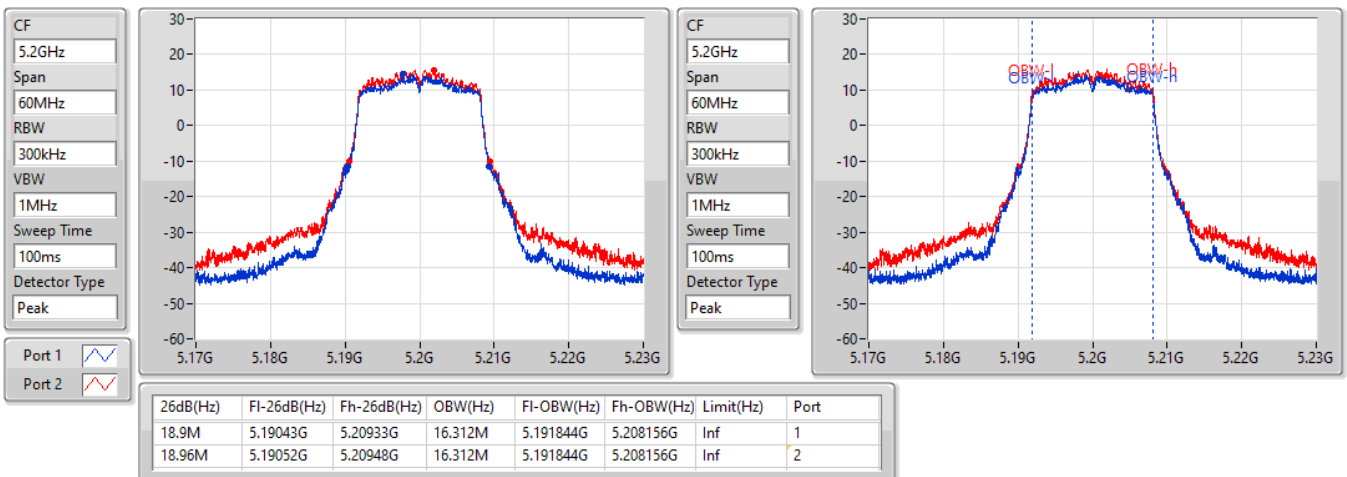
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_2TX
EBW
5180MHz

17/08/2021

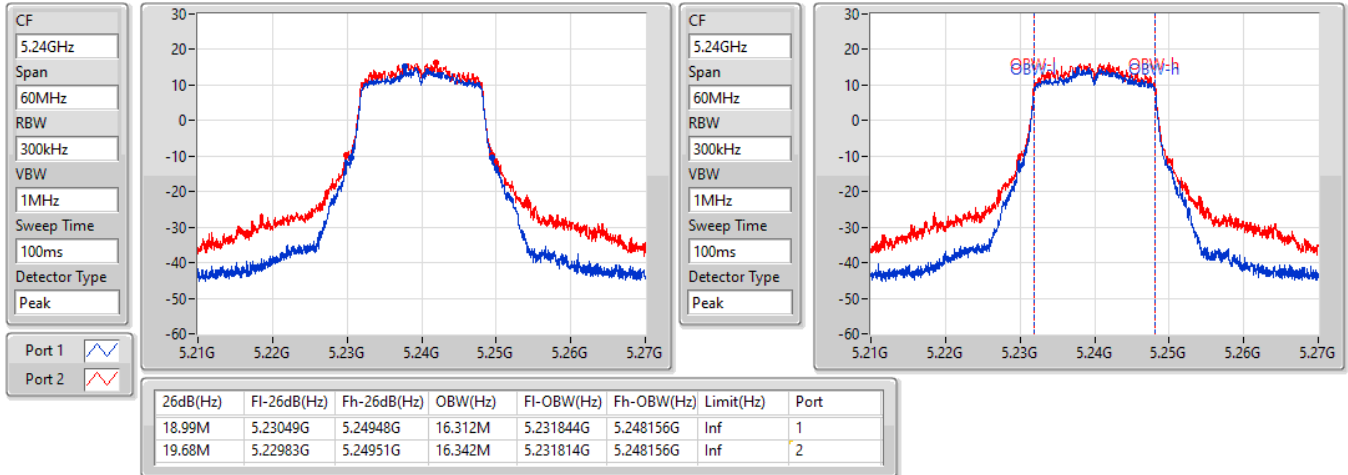

802.11a_Nss1,(6Mbps)_2TX
EBW
5200MHz

17/08/2021

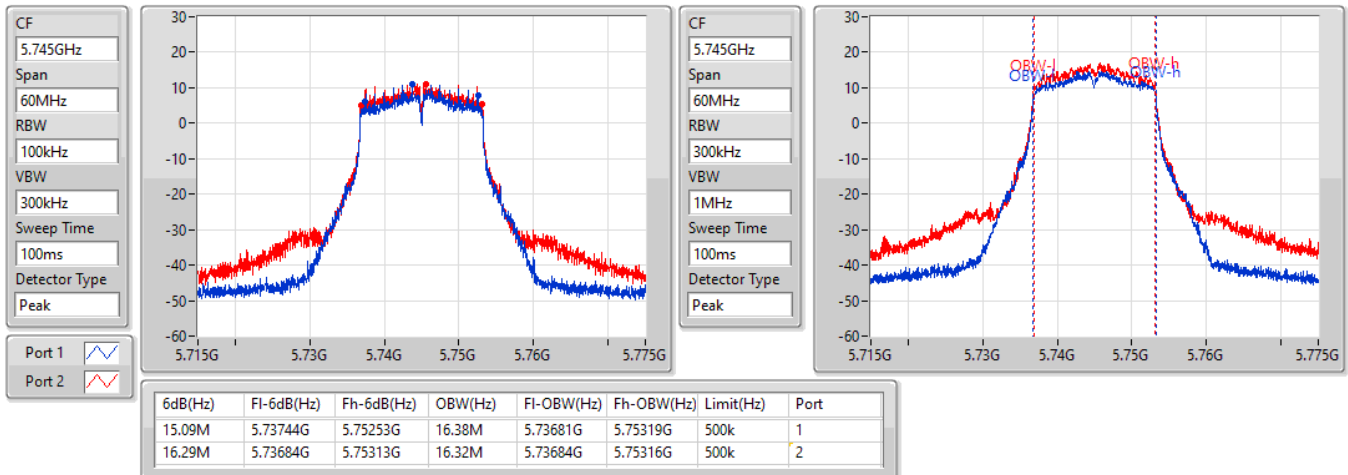


802.11a_Nss1,(6Mbps)_2TX
EBW
5240MHz

17/08/2021

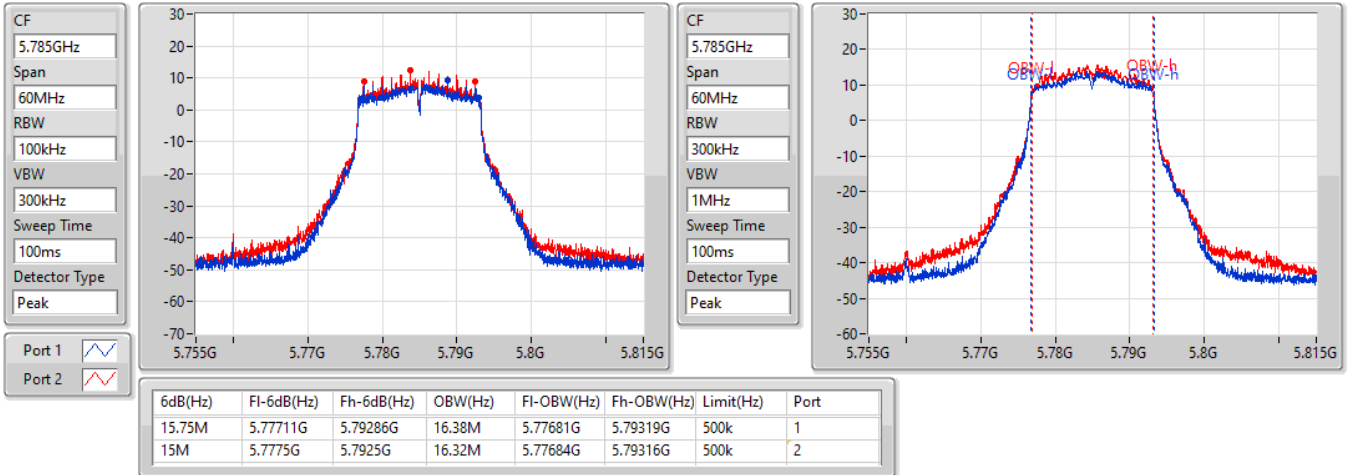

802.11a_Nss1,(6Mbps)_2TX
EBW
5745MHz

19/08/2021

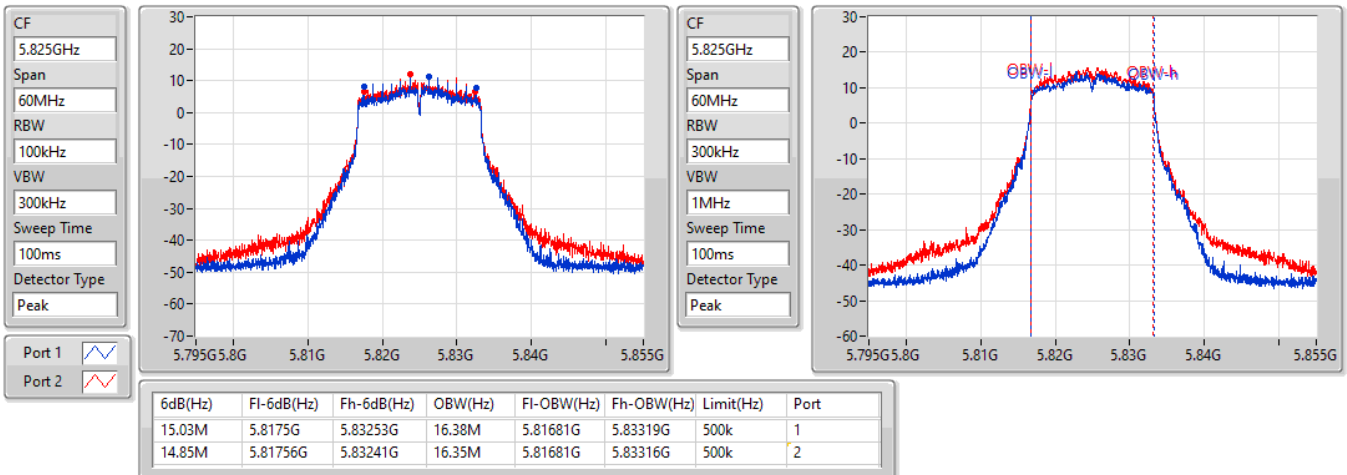


802.11a_Nss1,(6Mbps)_2TX
EBW
5785MHz

19/08/2021

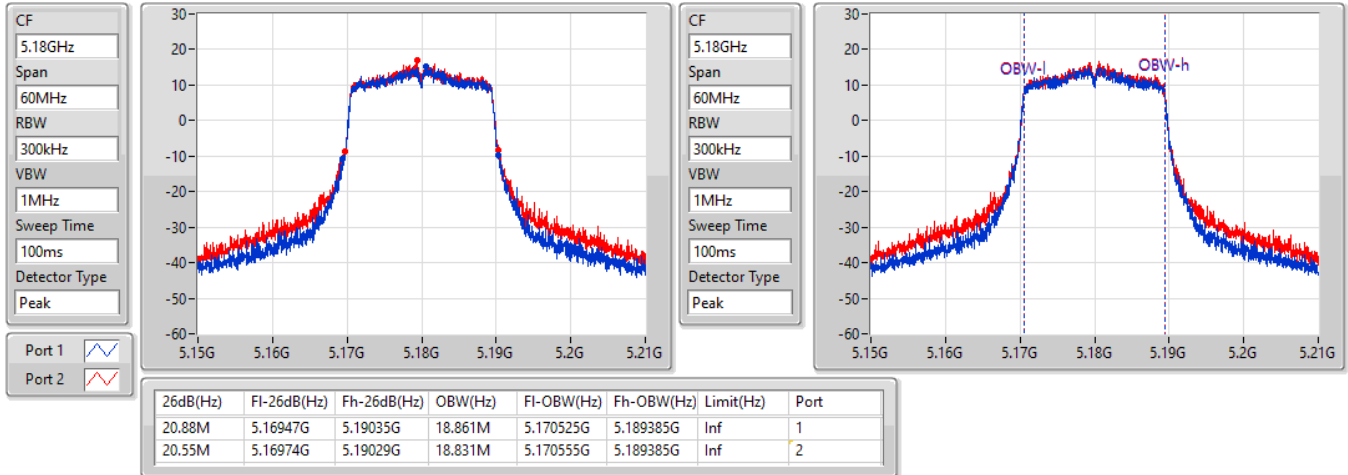

802.11a_Nss1,(6Mbps)_2TX
EBW
5825MHz

19/08/2021

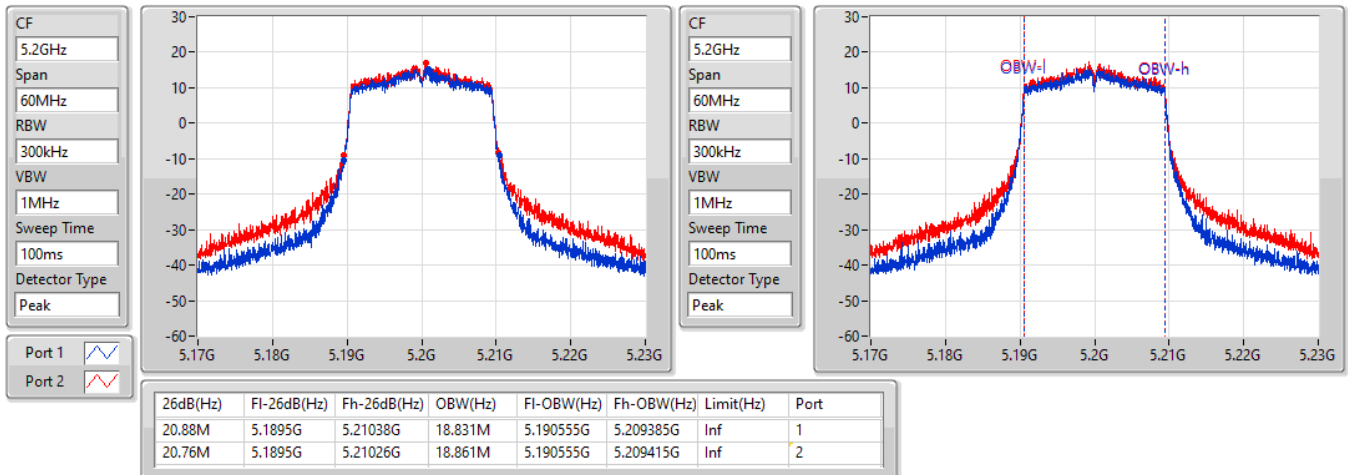


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5180MHz

17/08/2021


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5200MHz

17/08/2021

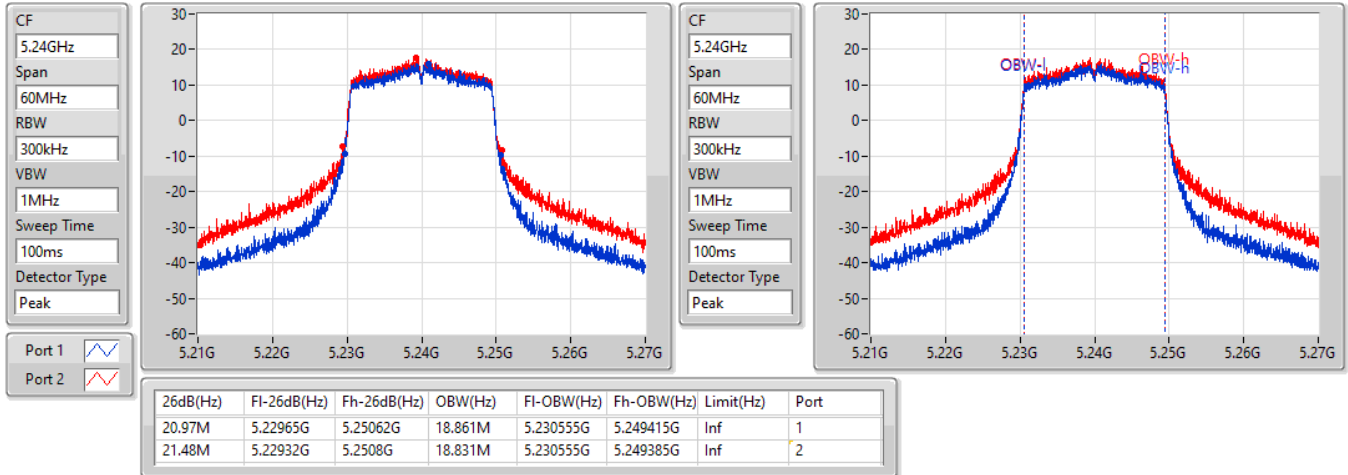


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5240MHz

17/08/2021

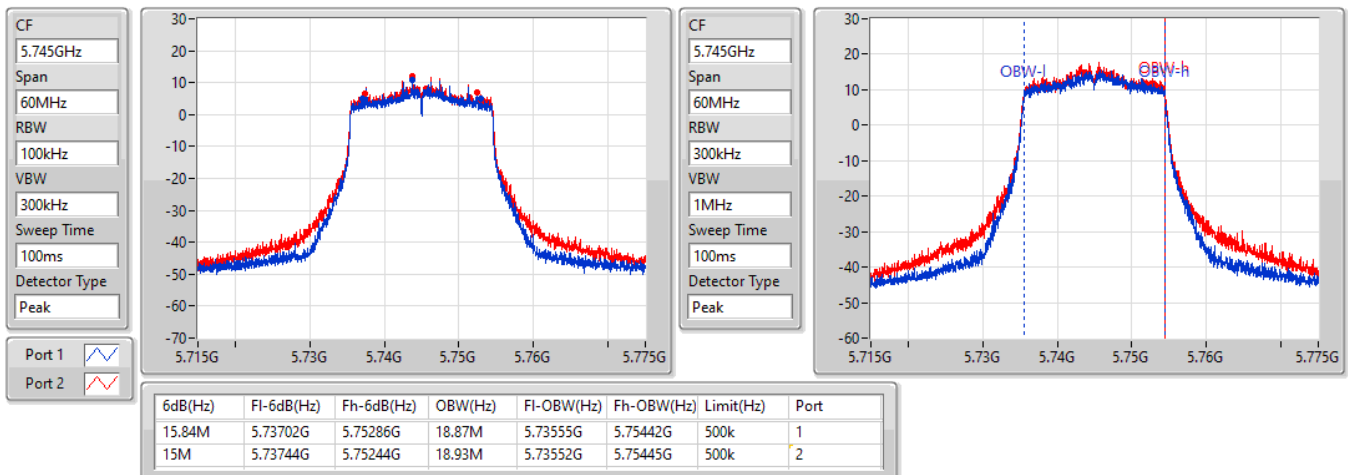


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5745MHz

19/08/2021

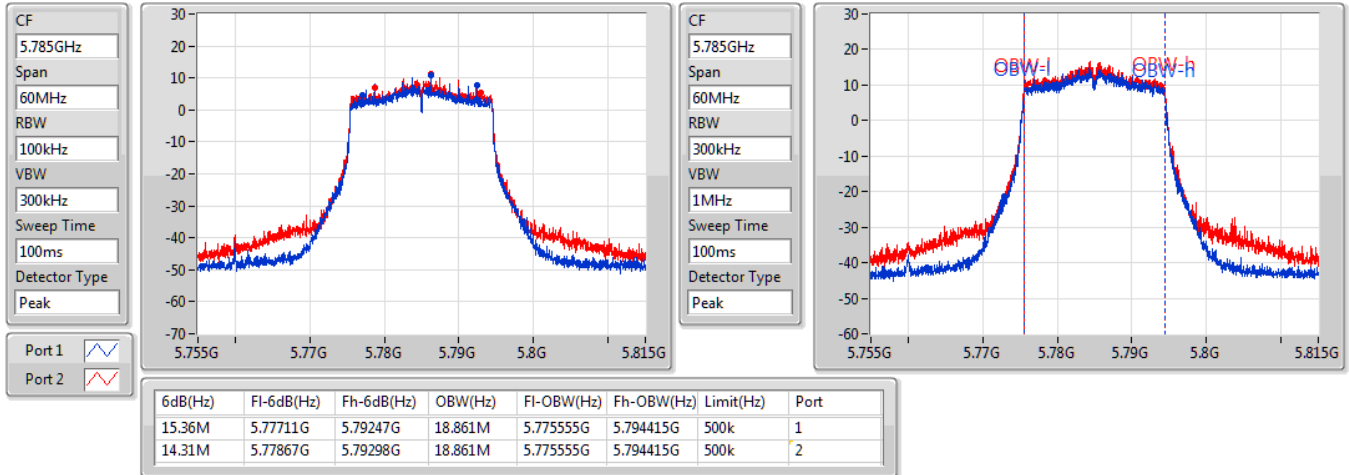


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5785MHz

26/08/2021

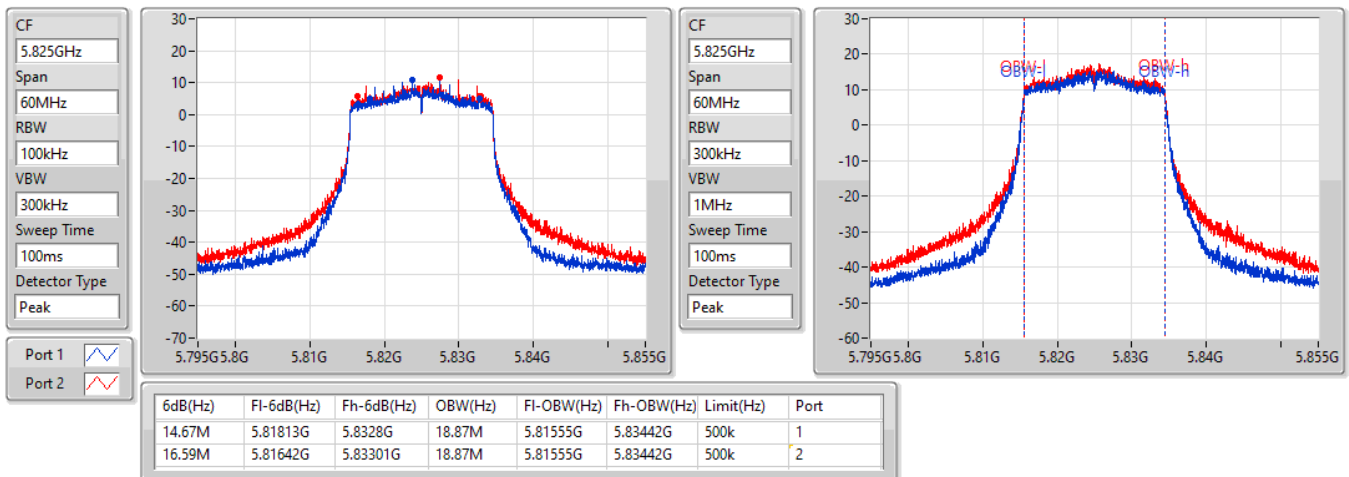


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

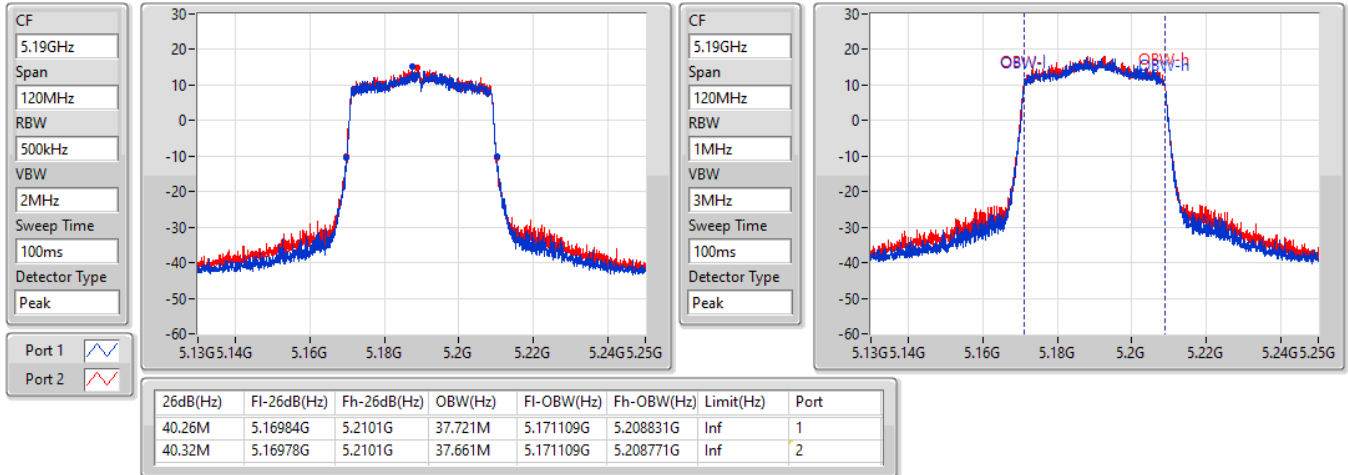
5825MHz

19/08/2021

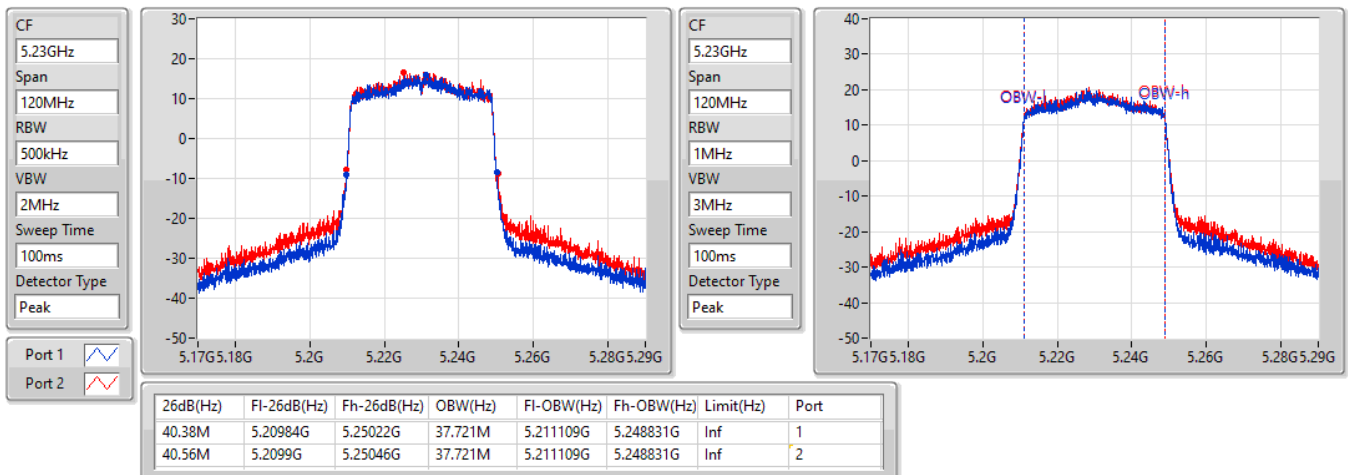


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5190MHz

17/08/2021


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5230MHz

17/08/2021

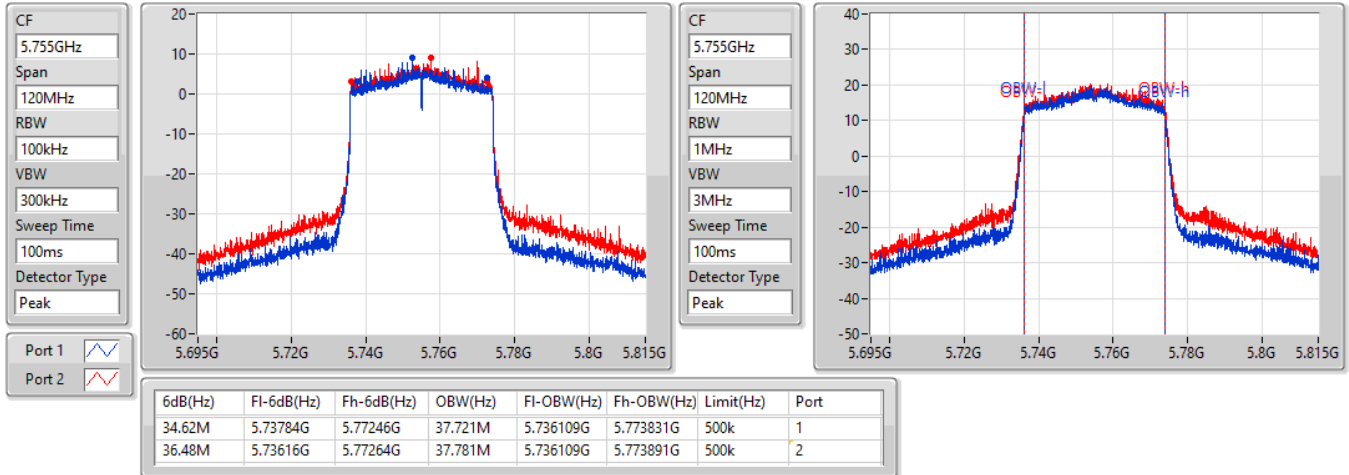


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5755MHz

17/08/2021

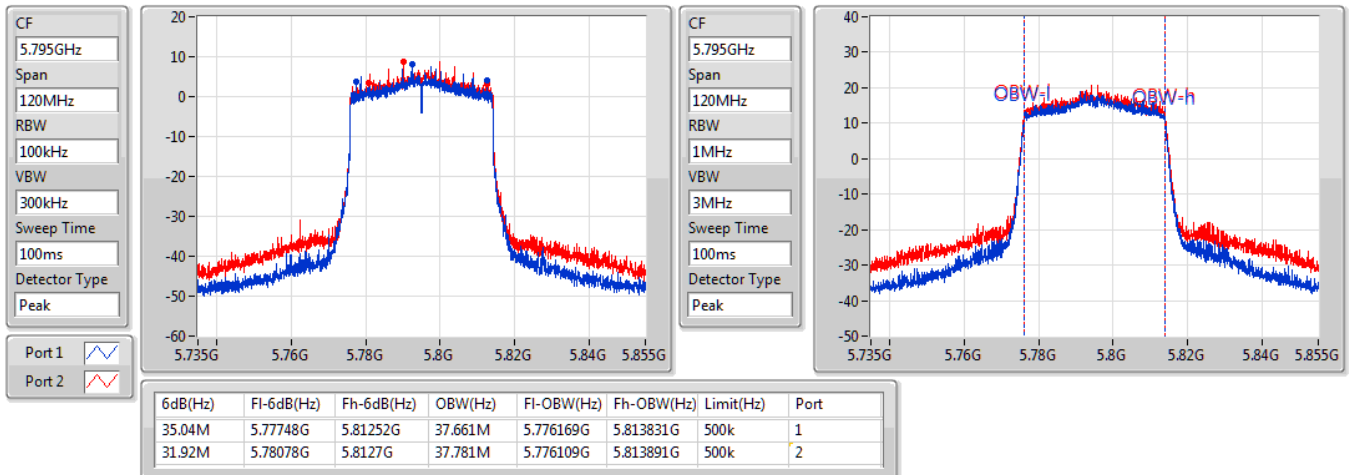


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

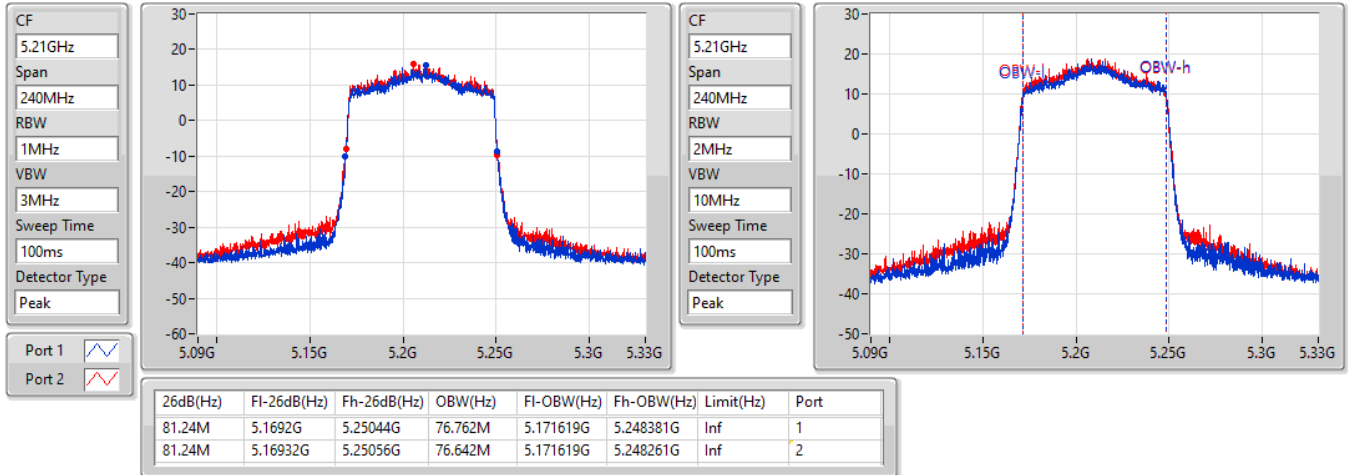
5795MHz

26/08/2021

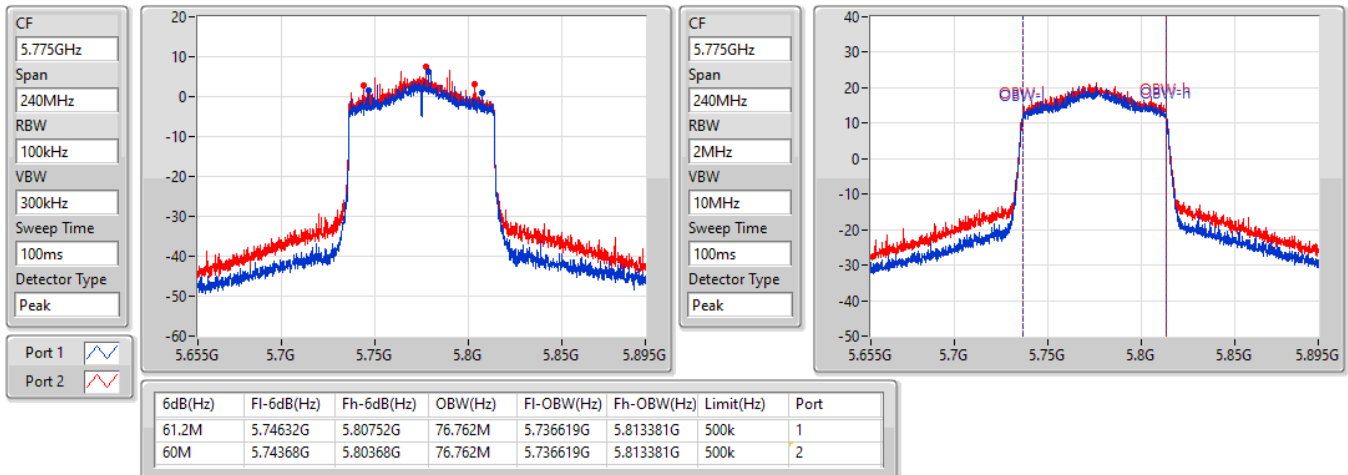


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5210MHz

17/08/2021

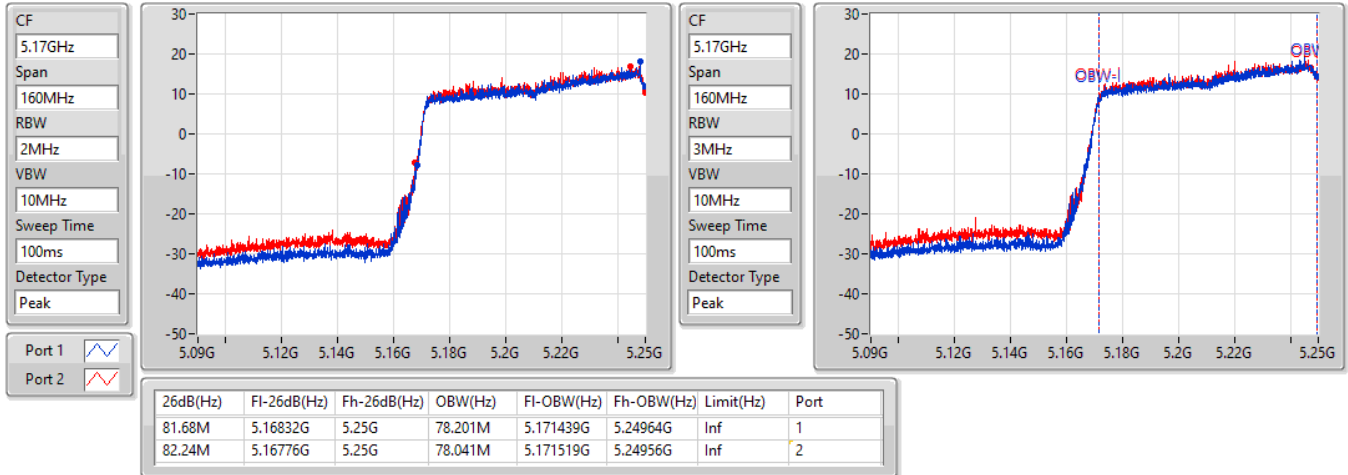

802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5775MHz

17/08/2021

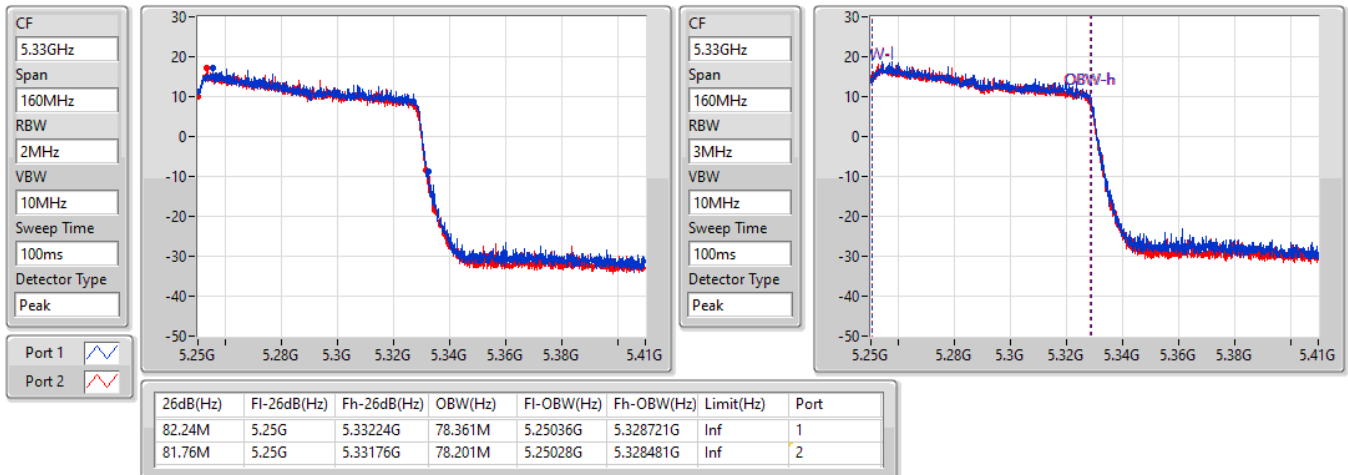


802.11ax HEW160_Nss1,(MCS0)_2TX
EBW
5250MHz Straddle 5.15-5.25GHz

17/08/2021


802.11ax HEW160_Nss1,(MCS0)_2TX
EBW
5250MHz Straddle 5.25-5.35GHz

17/08/2021



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	26.19	0.41591
802.11ax HEW20_Nss1,(MCS0)_2TX	25.99	0.39719
802.11ax HEW40_Nss1,(MCS0)_2TX	25.88	0.38726
802.11ax HEW80_Nss1,(MCS0)_2TX	23.85	0.24266
802.11ax HEW160_Nss1,(MCS0)_2TX	20.80	0.12023
5.25-5.35GHz	-	-
802.11ax HEW160_Nss1,(MCS0)_2TX	20.95	0.12445
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	26.45	0.44157
802.11ax HEW20_Nss1,(MCS0)_2TX	26.32	0.42855
802.11ax HEW40_Nss1,(MCS0)_2TX	26.06	0.40365
802.11ax HEW80_Nss1,(MCS0)_2TX	25.97	0.39537

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	0.97	21.94	22.55	25.27	30.00
5200MHz	Pass	0.97	22.24	23.26	25.79	30.00
5240MHz	Pass	0.97	22.60	23.69	26.19	30.00
5745MHz	Pass	0.97	21.66	23.14	25.47	30.00
5785MHz	Pass	0.97	22.95	23.16	26.07	30.00
5825MHz	Pass	0.97	23.31	23.56	26.45	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	0.97	21.77	22.31	25.06	30.00
5200MHz	Pass	0.97	21.88	22.89	25.42	30.00
5240MHz	Pass	0.97	22.39	23.49	25.99	30.00
5745MHz	Pass	0.97	22.89	22.68	25.80	30.00
5785MHz	Pass	0.97	22.79	23.00	25.91	30.00
5825MHz	Pass	0.97	23.30	23.32	26.32	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	0.97	20.81	21.22	24.03	30.00
5230MHz	Pass	0.97	22.73	23.00	25.88	30.00
5755MHz	Pass	0.97	22.54	23.50	26.06	30.00
5795MHz	Pass	0.97	21.16	22.26	24.76	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	0.97	20.62	21.05	23.85	30.00
5775MHz	Pass	0.97	22.33	23.51	25.97	30.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	0.97	17.61	17.96	20.80	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	0.97	18.09	17.79	20.95	23.98

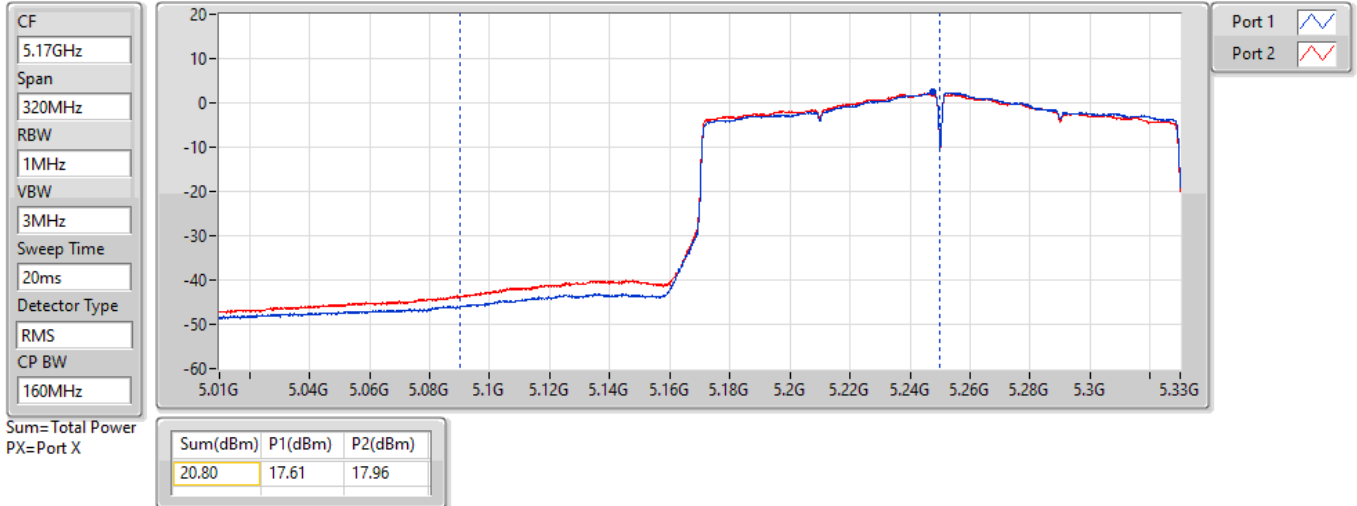
DG = Directional Gain; Port X = Port X output power

802.11ax HEW160_Nss1,(MCS0)_2TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TnomVnom

17/08/2021

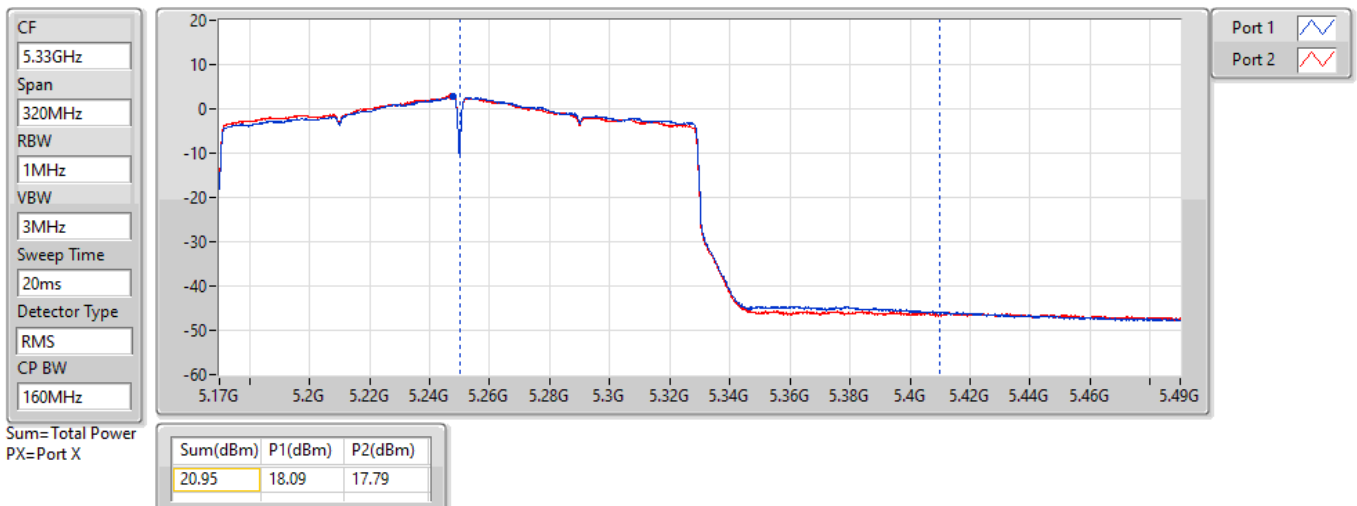


802.11ax HEW160_Nss1,(MCS0)_2TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom

17/08/2021



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	14.35
802.11ax HEW20_Nss1,(MCS0)_2TX	13.37
802.11ax HEW40_Nss1,(MCS0)_2TX	10.79
802.11ax HEW80_Nss1,(MCS0)_2TX	6.05
802.11ax HEW160_Nss1,(MCS0)_2TX	3.81
5.25-5.35GHz	-
802.11ax HEW160_Nss1,(MCS0)_2TX	3.86
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	8.91
802.11ax HEW20_Nss1,(MCS0)_2TX	7.99
802.11ax HEW40_Nss1,(MCS0)_2TX	9.38
802.11ax HEW80_Nss1,(MCS0)_2TX	6.91

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.95	10.08	10.66	13.36	17.00
5200MHz	Pass	3.95	10.12	11.39	13.76	17.00
5240MHz	Pass	3.95	10.89	11.82	14.35	17.00
5745MHz	Pass	3.95	5.51	6.42	8.91	30.00
5785MHz	Pass	3.95	4.87	6.10	8.46	30.00
5825MHz	Pass	3.95	5.09	6.05	8.61	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.95	9.05	9.61	12.31	17.00
5200MHz	Pass	3.95	9.36	10.18	12.71	17.00
5240MHz	Pass	3.95	9.94	10.77	13.37	17.00
5745MHz	Pass	3.95	4.57	5.56	7.99	30.00
5785MHz	Pass	3.95	4.18	5.55	7.90	30.00
5825MHz	Pass	3.95	4.31	5.34	7.84	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	3.95	5.27	5.95	8.57	17.00
5230MHz	Pass	3.95	7.62	8.08	10.79	17.00
5755MHz	Pass	3.95	5.84	6.92	9.38	30.00
5795MHz	Pass	3.95	5.00	6.15	8.53	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	3.95	2.77	3.42	6.05	17.00
5775MHz	Pass	3.95	3.26	4.62	6.91	30.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.95	0.85	0.81	3.81	17.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.95	0.88	0.84	3.86	11.00

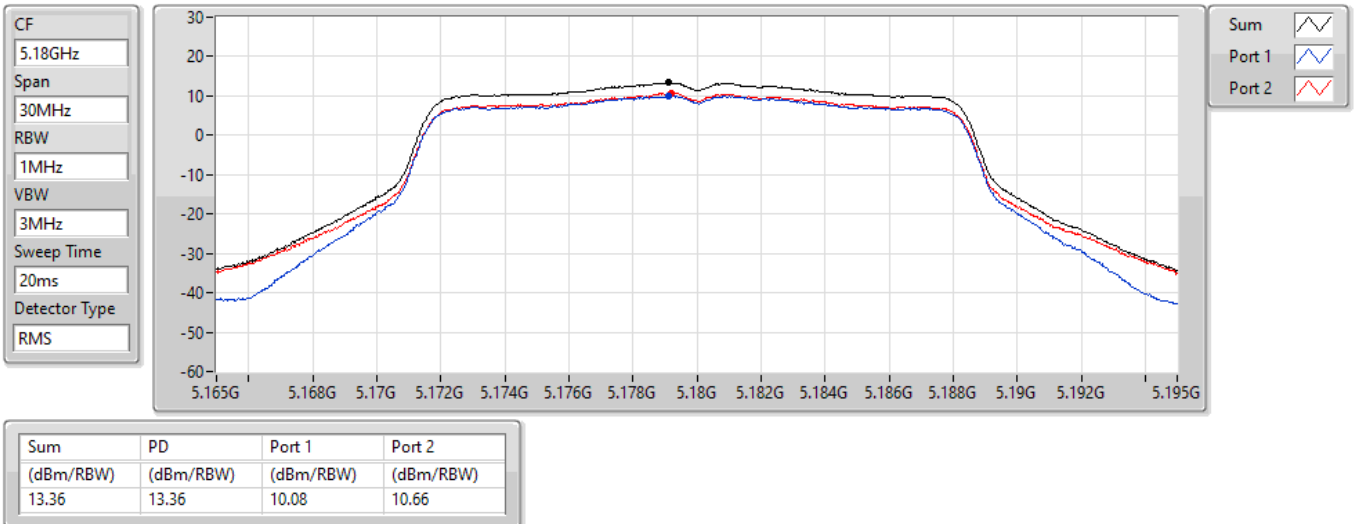
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11a_Nss1,(6Mbps)_2TX

PSD

5180MHz

17/08/2021

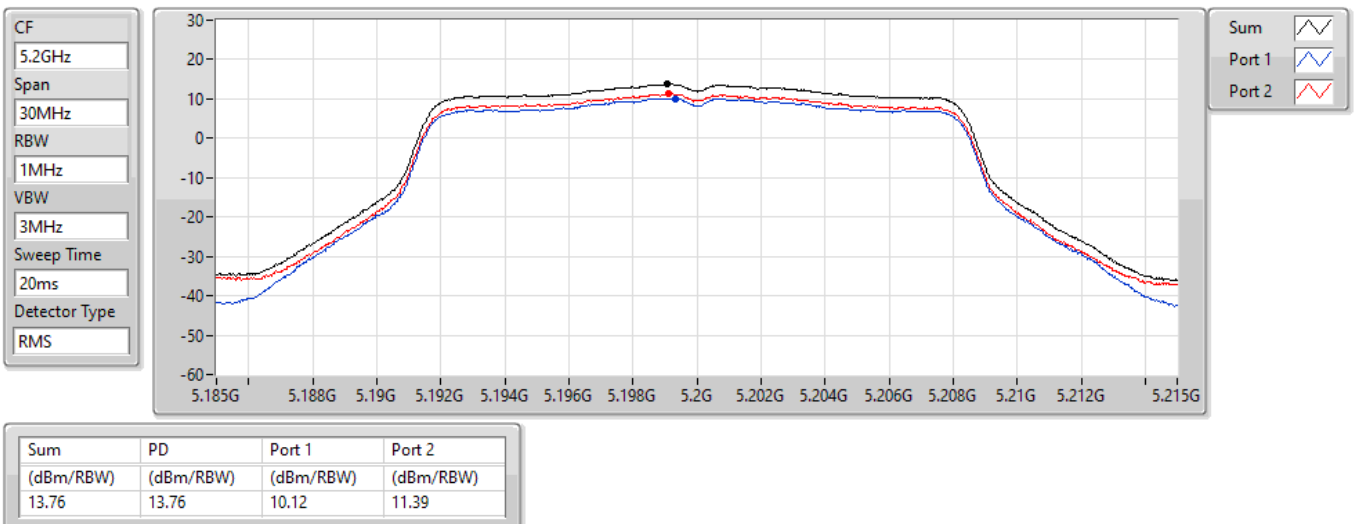


802.11a_Nss1,(6Mbps)_2TX

PSD

5200MHz

17/08/2021

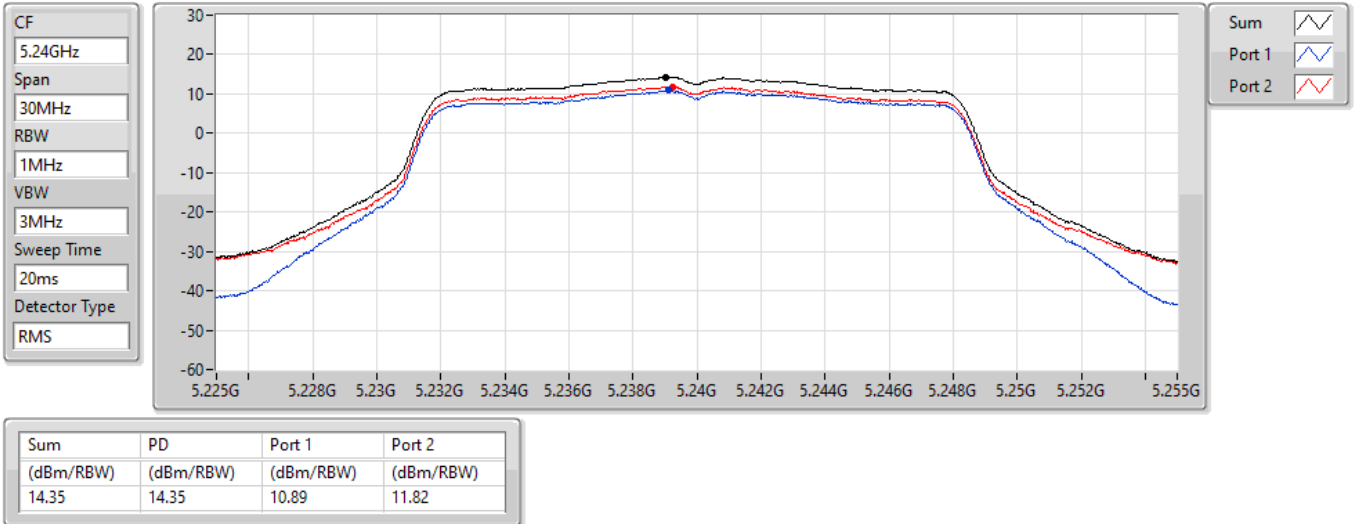


802.11a_Nss1,(6Mbps)_2TX

PSD

5240MHz

17/08/2021

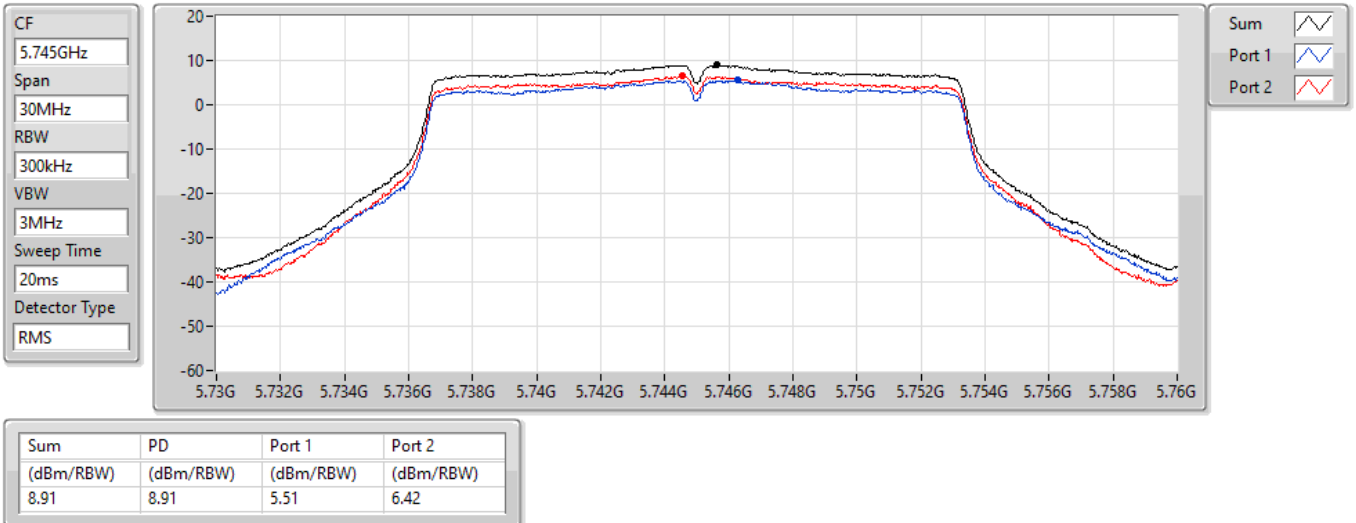


802.11a_Nss1,(6Mbps)_2TX

PSD

5745MHz

19/08/2021

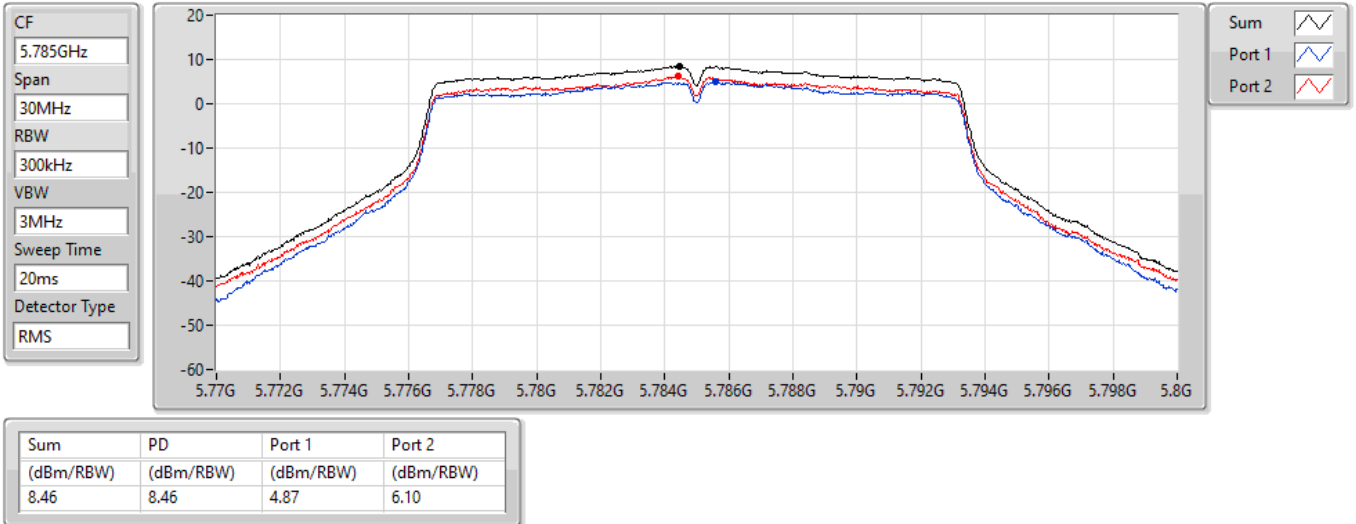


802.11a_Nss1,(6Mbps)_2TX

PSD

5785MHz

19/08/2021

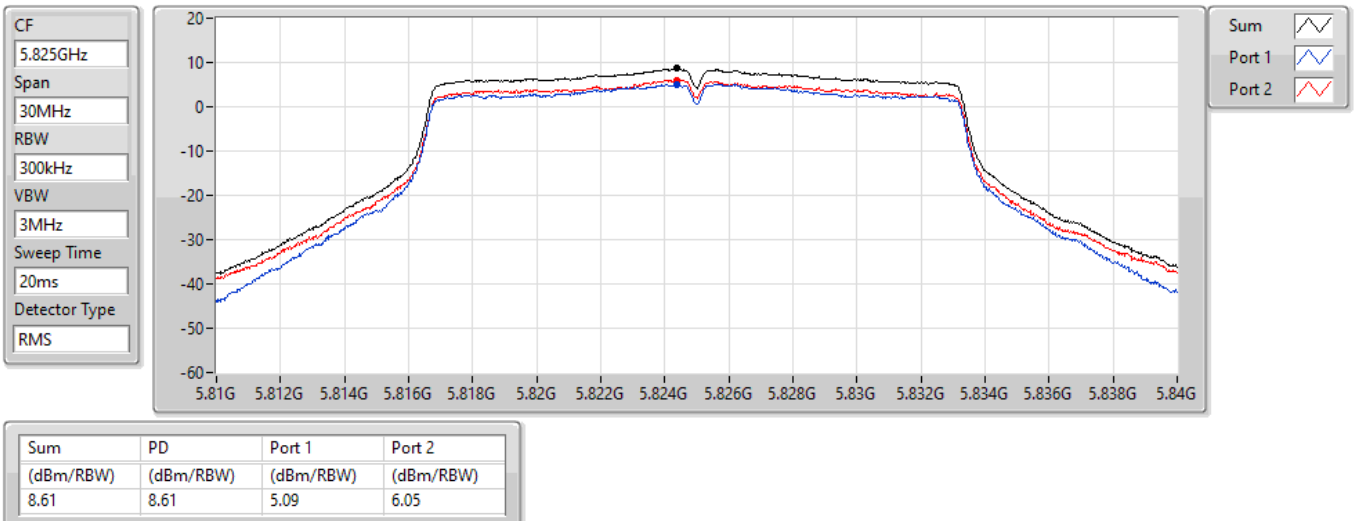


802.11a_Nss1,(6Mbps)_2TX

PSD

5825MHz

19/08/2021

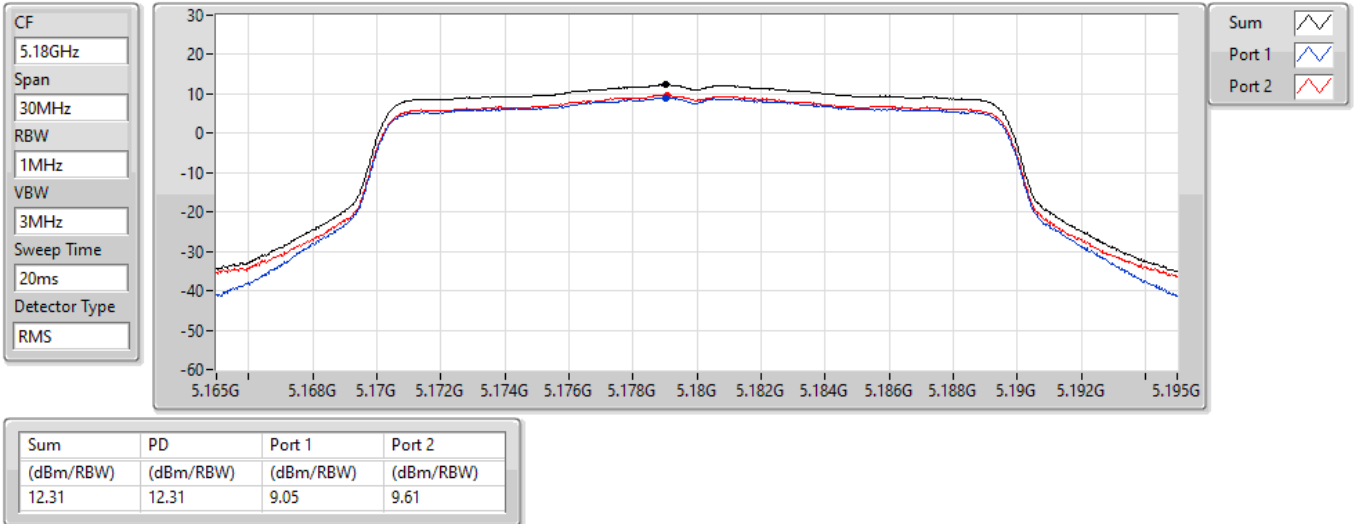


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5180MHz

17/08/2021

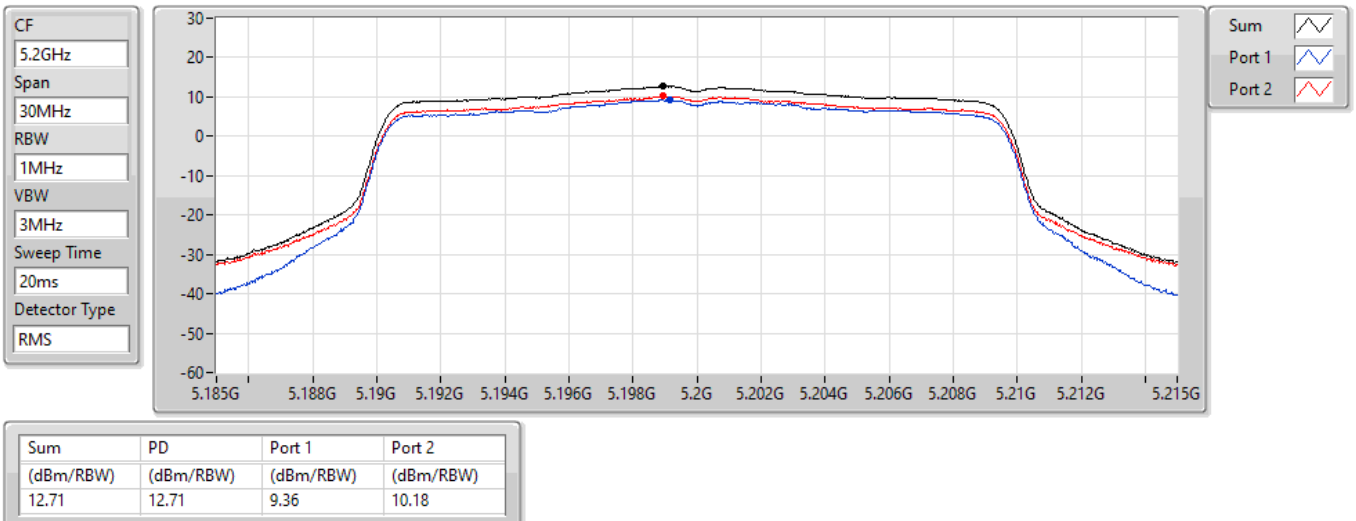


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5200MHz

17/08/2021

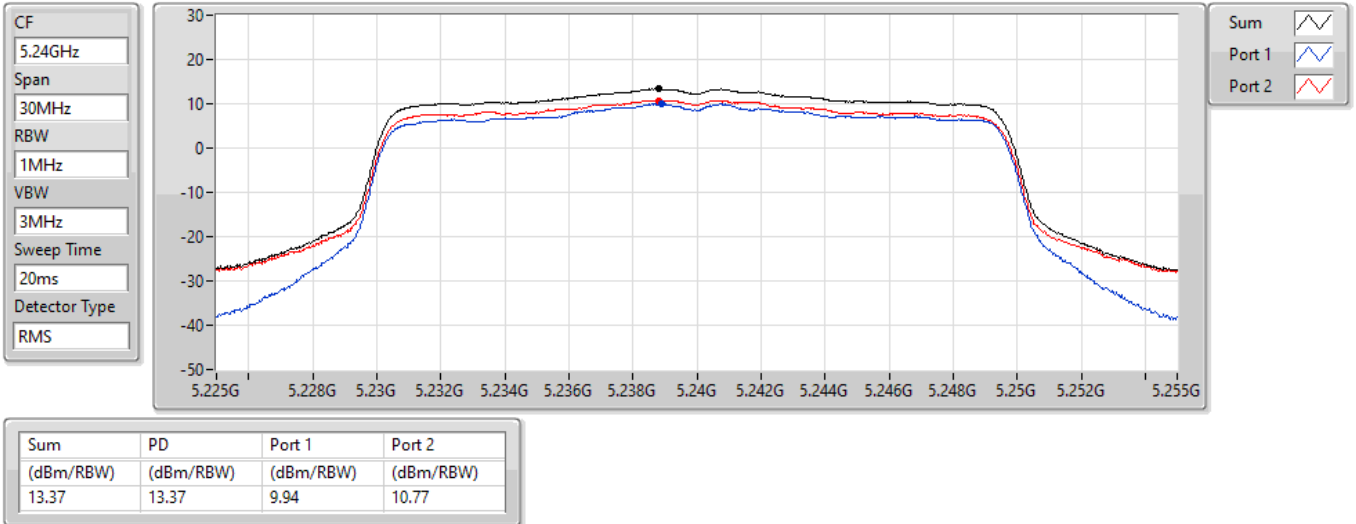


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5240MHz

17/08/2021

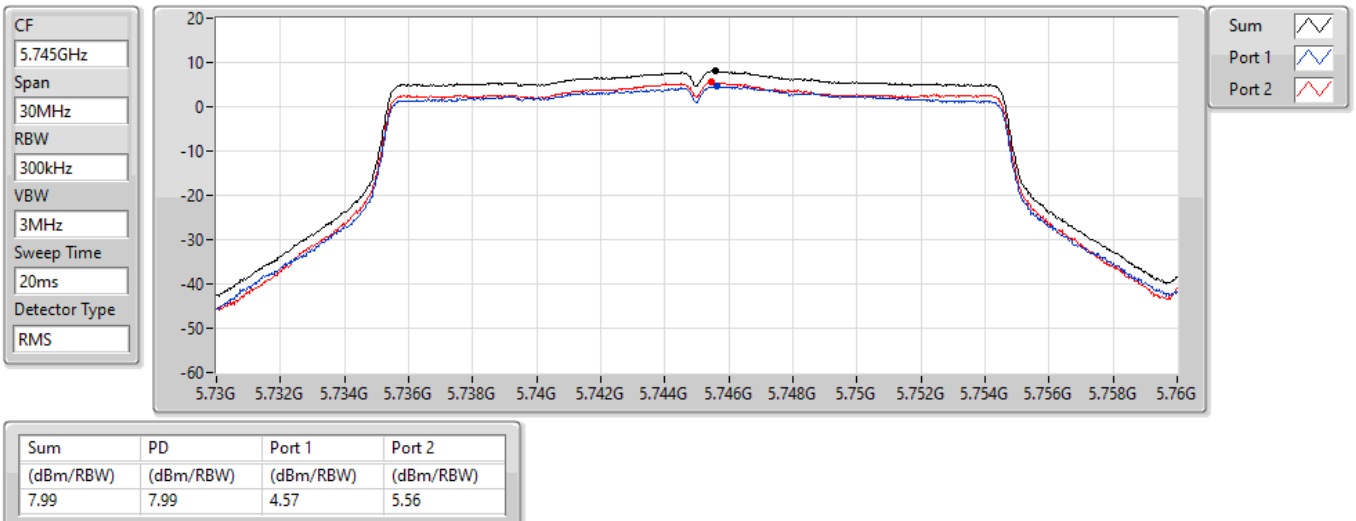


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5745MHz

19/08/2021

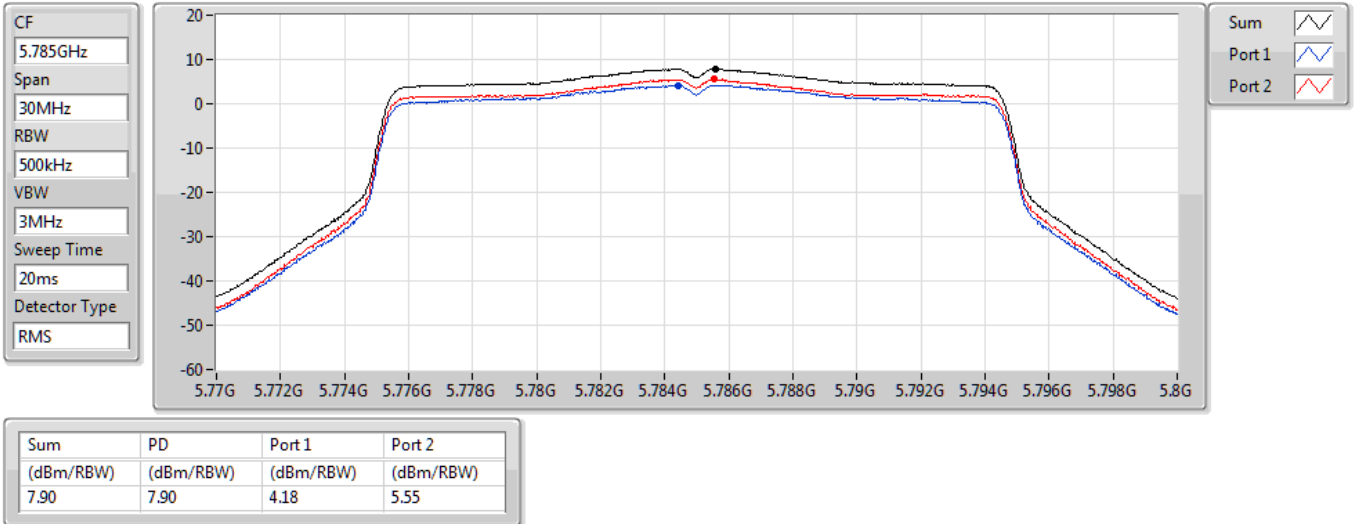


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5785MHz

26/08/2021

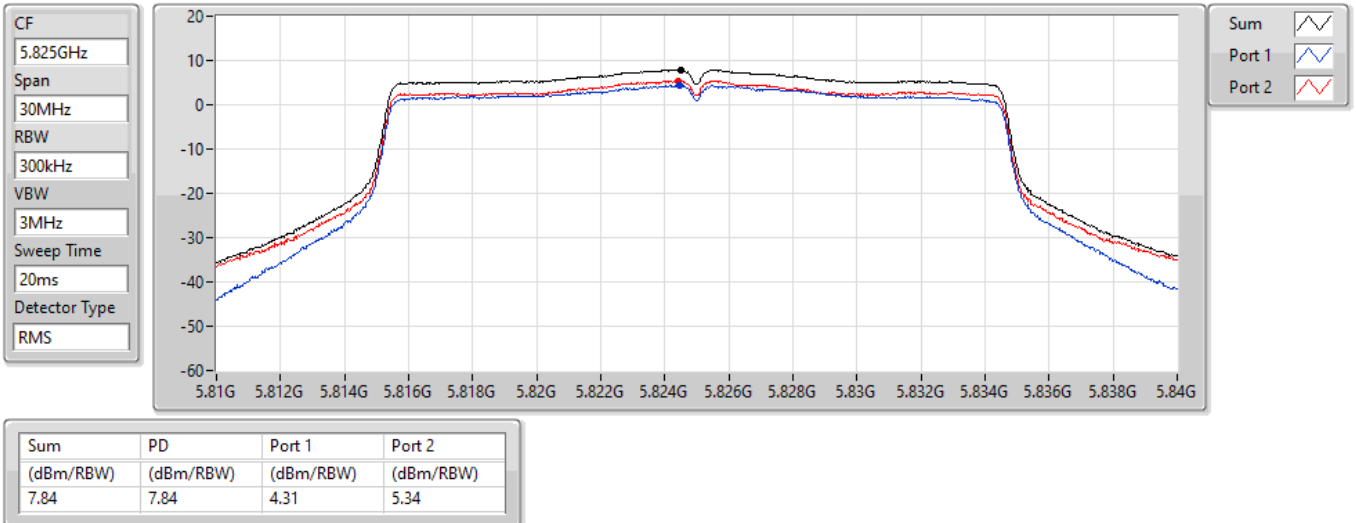


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5825MHz

19/08/2021

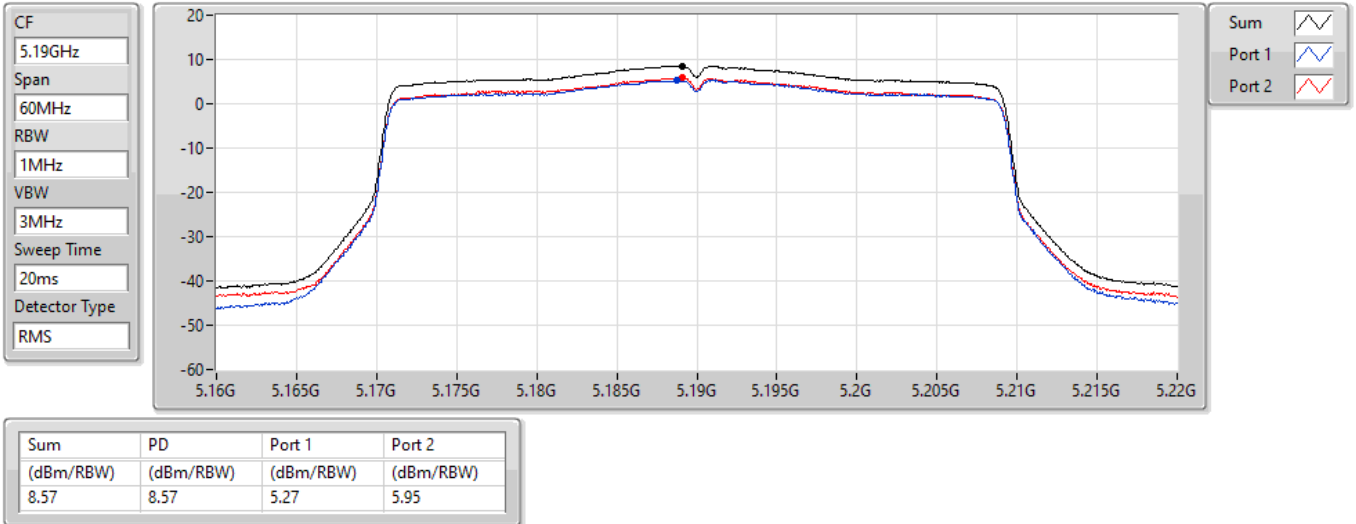


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5190MHz

17/08/2021

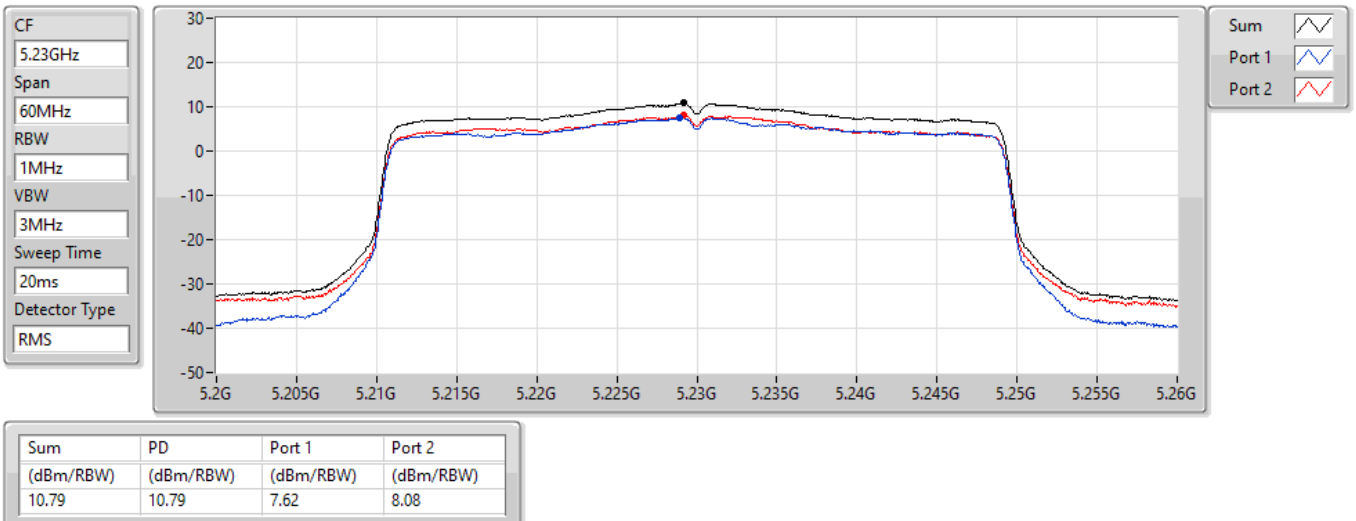


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5230MHz

17/08/2021

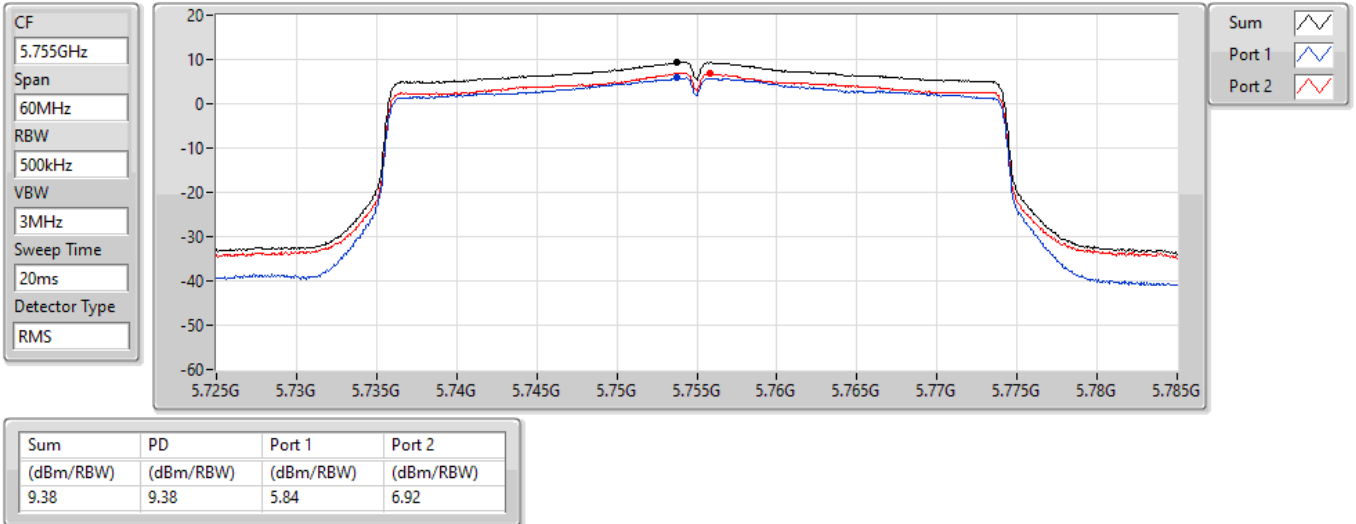


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5755MHz

17/08/2021

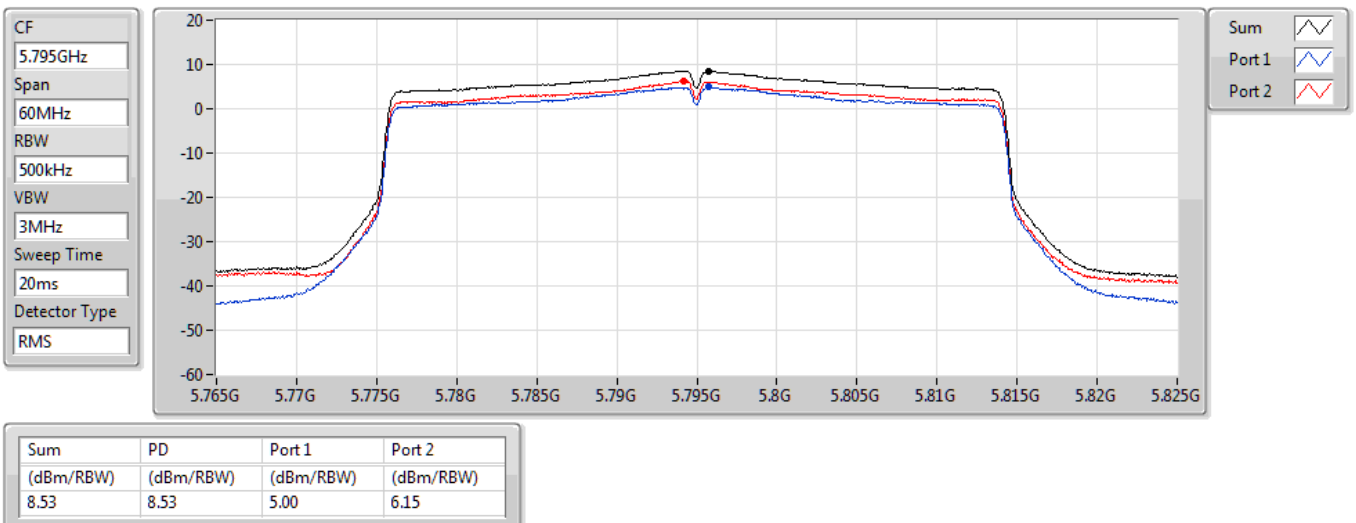


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5795MHz

26/08/2021

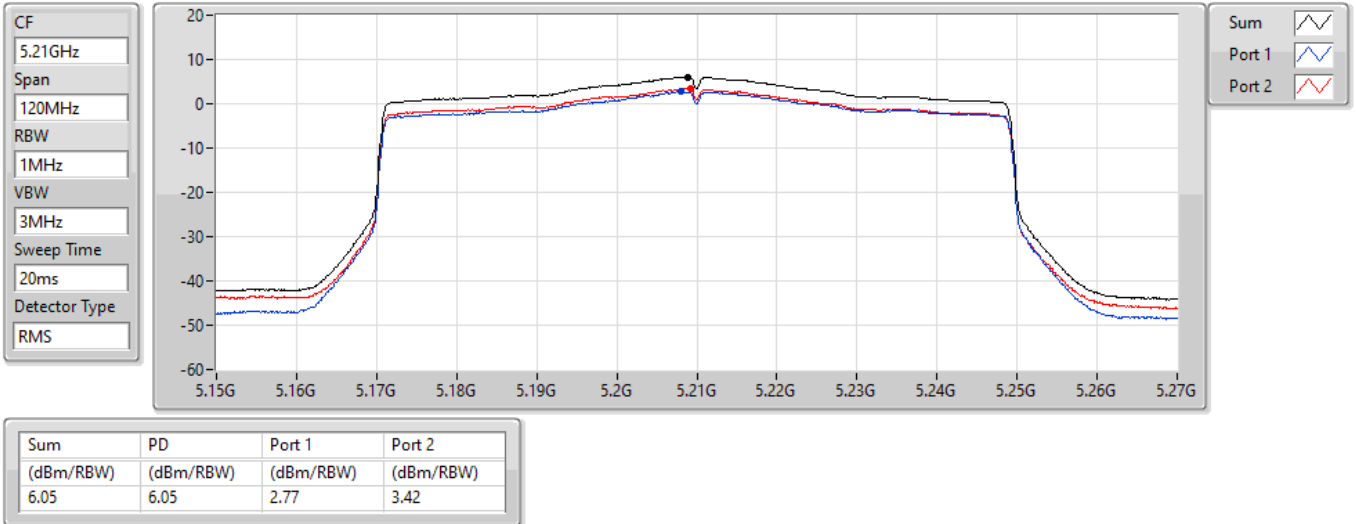


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5210MHz

17/08/2021

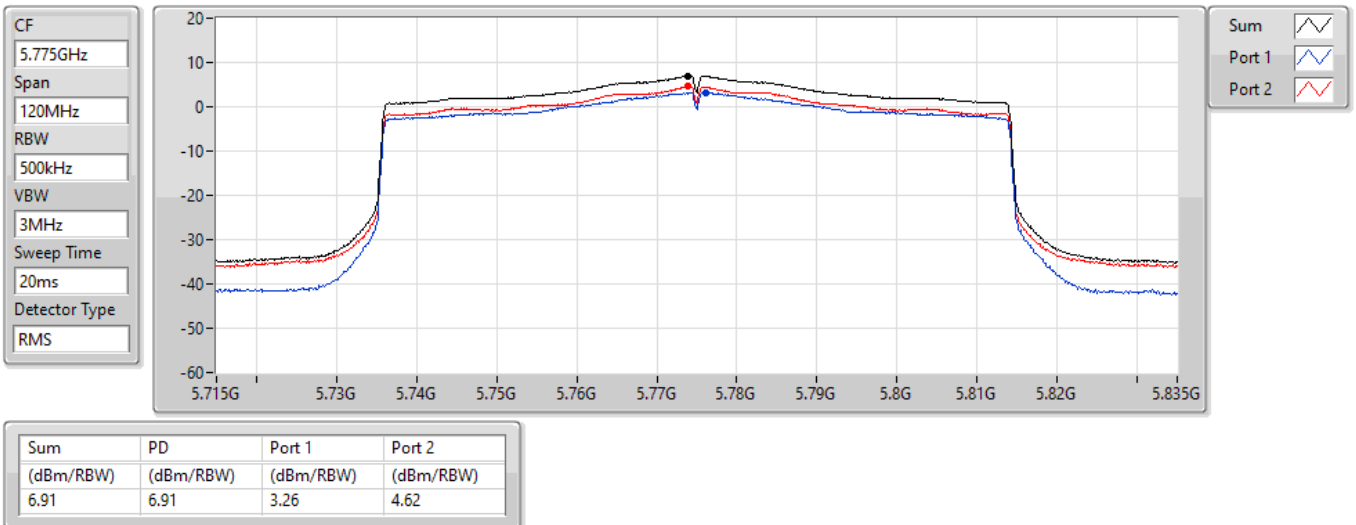


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5775MHz

17/08/2021

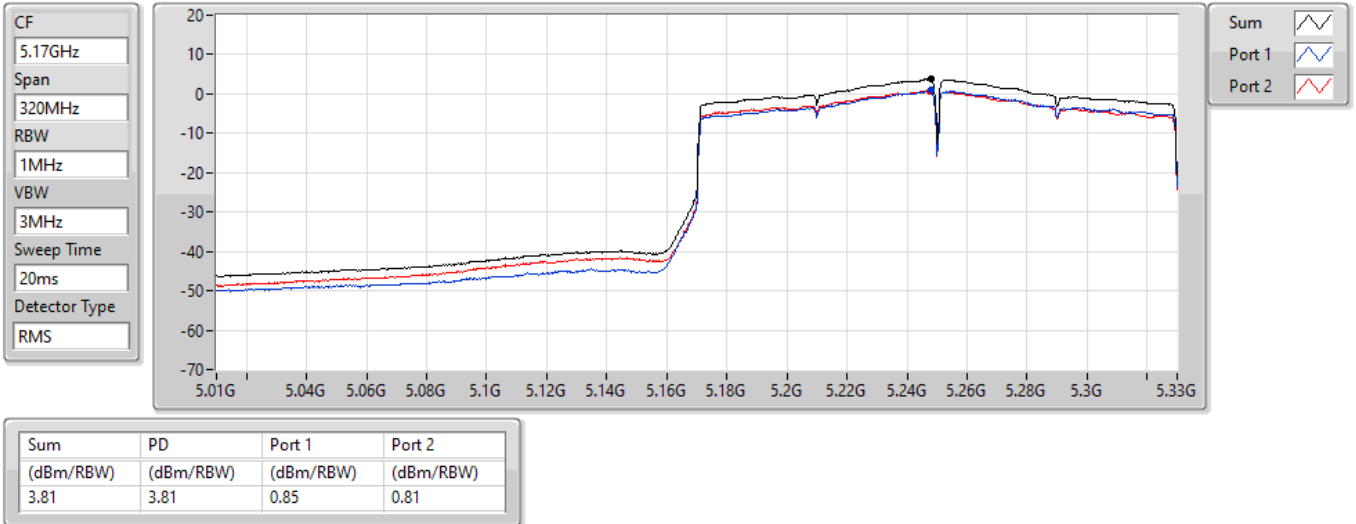


802.11ax HEW160_Nss1,(MCS0)_2TX

5250MHz Straddle 5.15-5.25GHz

PSD

17/08/2021

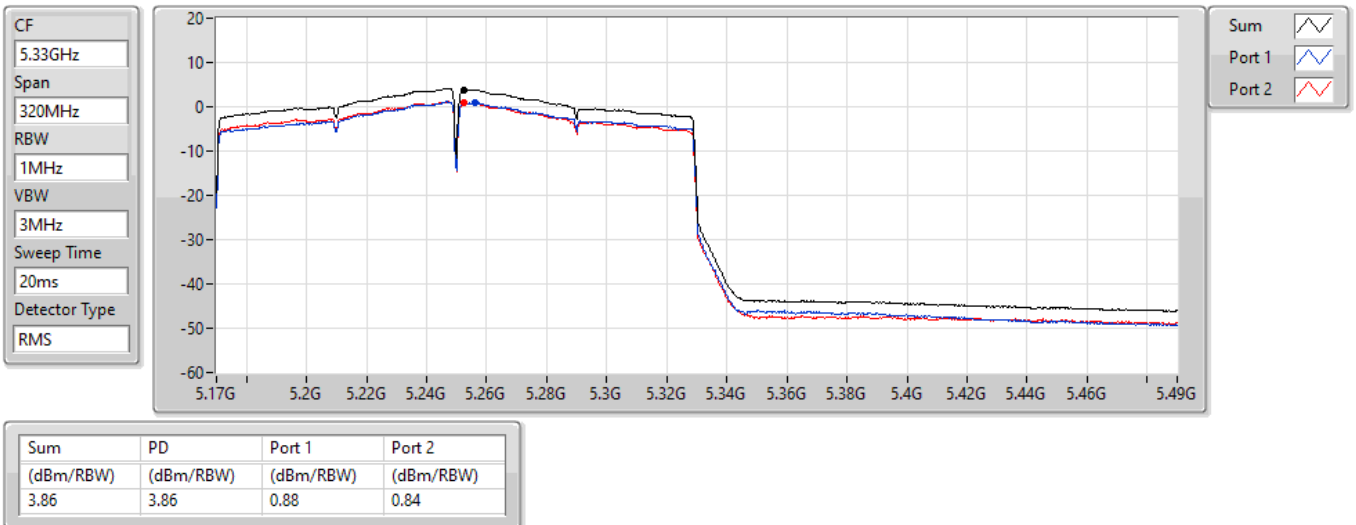


802.11ax HEW160_Nss1,(MCS0)_2TX

5250MHz Straddle 5.25-5.35GHz

PSD

17/08/2021





Radiated Emissions below 1GHz

Appendix E.1

Summary

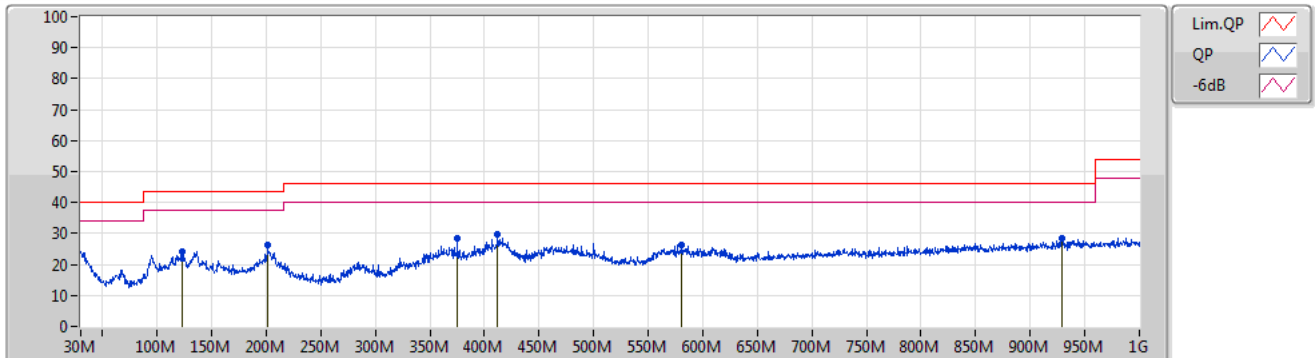
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	43.1M	36.59	40.00	-3.41	Vertical

23/07/2021



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	43.1M	36.59	40.00	-3.41	-10.08	3	Vertical	283	1.00	"Worst"	46.67	16.52	1.36	27.96
PK	94.51M	37.38	43.50	-6.12	-9.69	3	Vertical	18	4.00	-	47.07	15.85	2.29	27.83
PK	119.73M	38.61	43.50	-4.89	-6.61	3	Vertical	304	1.00	-	45.22	18.33	2.70	27.64
PK	135.25M	36.24	43.50	-7.26	-7.13	3	Vertical	183	1.00	-	43.37	17.50	2.93	27.56
PK	156.1M	34.02	43.50	-9.48	-8.19	3	Vertical	252	3.00	-	42.21	16.17	3.16	27.52
PK	581.45M	28.01	46.00	-17.99	-3.16	3	Vertical	329	1.00	-	31.17	19.41	5.29	27.86

23/07/2021



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	123.12M	24.11	43.50	-19.39	-6.67	3	Horizontal	328	3.00	-	30.78	18.20	2.75	27.62
PK	201.21M	26.15	43.50	-17.35	-7.20	3	Horizontal	153	1.00	-	33.35	16.36	3.01	26.57
PK	374.84M	28.60	46.00	-17.40	-7.38	3	Horizontal	297	2.00	-	35.98	15.54	4.20	27.12
PK	411.7M	29.95	46.00	-16.05	-6.63	3	Horizontal	254	3.00	"Worst"	36.58	16.42	4.37	27.42
PK	580.48M	26.29	46.00	-19.71	-3.22	3	Horizontal	22	4.00	-	29.51	19.37	5.28	27.87
PK	929.19M	28.42	46.00	-17.58	2.28	3	Horizontal	73	1.00	-	26.14	21.91	6.83	26.46

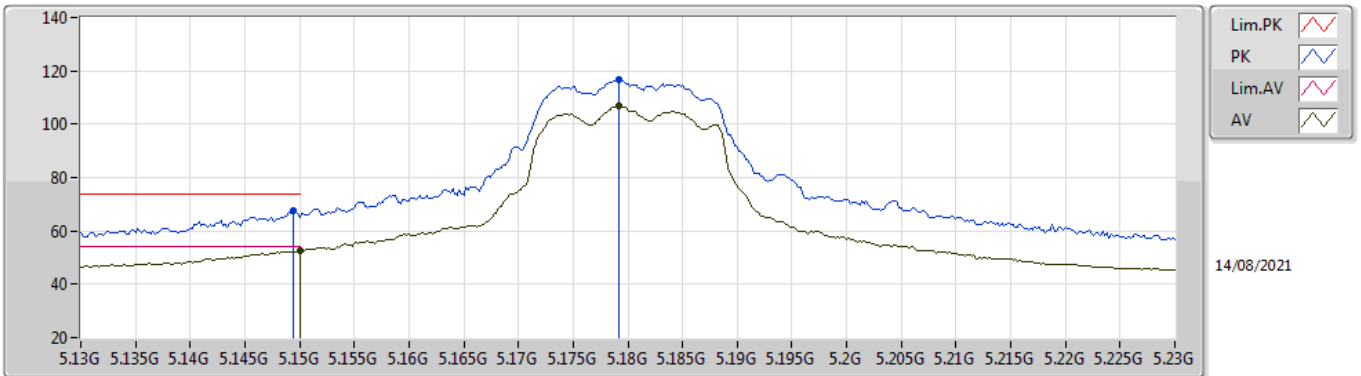


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1.(MCS0)_2TX	Pass	PK	5.926G	68.19	68.20	-0.01	3	Vertical	349	1.80	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TnomVnom

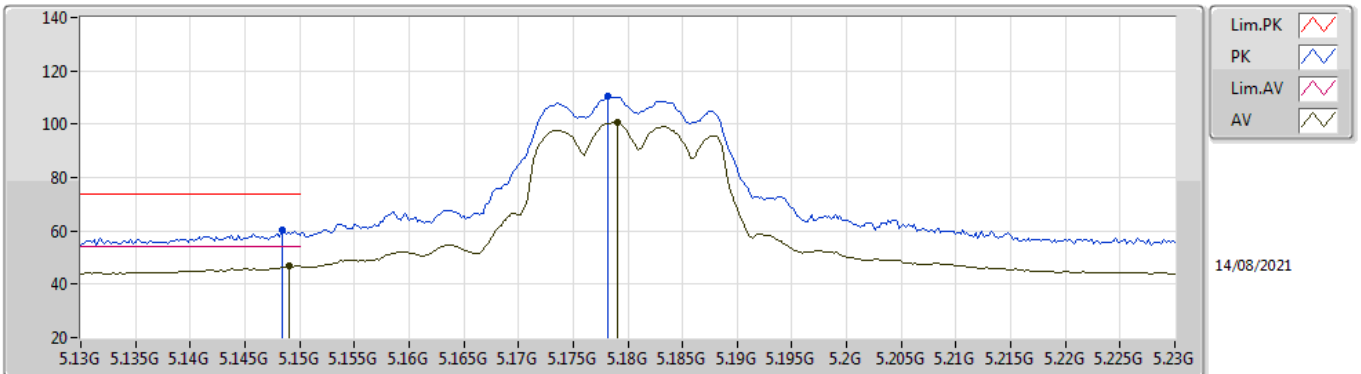


EUT V_2TX
Setting 22.5
02-B-K-5-10

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	5.1494G	67.83	74.00	-6.17	61.48	3	Vertical	212	1.91	-	33.50	5.00	32.15	
AV	5.15G	52.36	54.00	-1.64	46.01	3	Vertical	212	1.91	-	33.50	5.00	32.15	
PK	5.1792G	116.96	Inf	-Inf	110.55	3	Vertical	212	1.91	-	33.50	5.06	32.15	
AV	5.1792G	107.03	Inf	-Inf	100.62	3	Vertical	212	1.91	-	33.50	5.06	32.15	

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TnomVnom

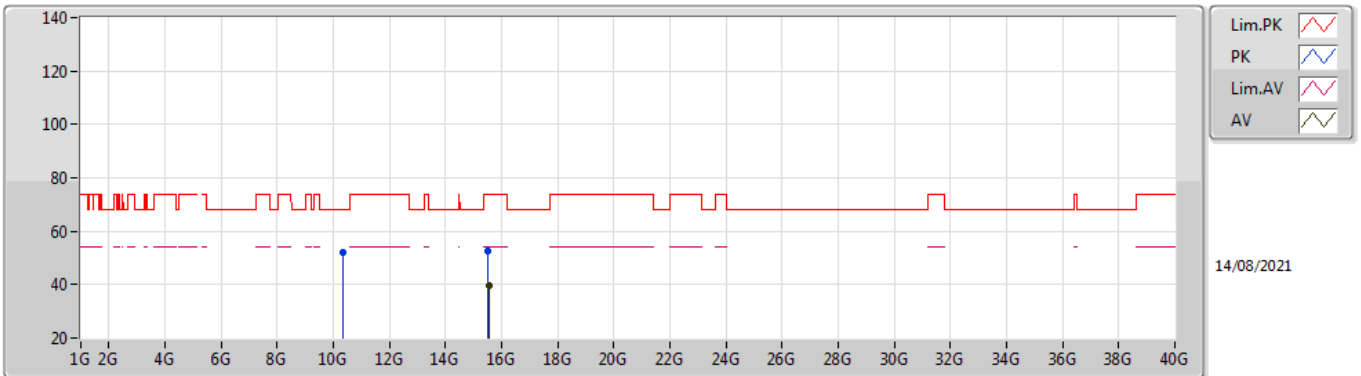


EUT V_2TX
Setting 22.5
02-B-K-5-10

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	60.42	74.00	-13.58	54.07	3	Horizontal	4	2.83	-	33.50	5.00	32.15	
AV	5.149G	46.77	54.00	-7.23	40.42	3	Horizontal	4	2.83	-	33.50	5.00	32.15	
PK	5.1782G	110.35	Inf	-Inf	103.94	3	Horizontal	4	2.83	-	33.50	5.06	32.15	
AV	5.179G	100.69	Inf	-Inf	94.28	3	Horizontal	4	2.83	-	33.50	5.06	32.15	

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TnomVnom

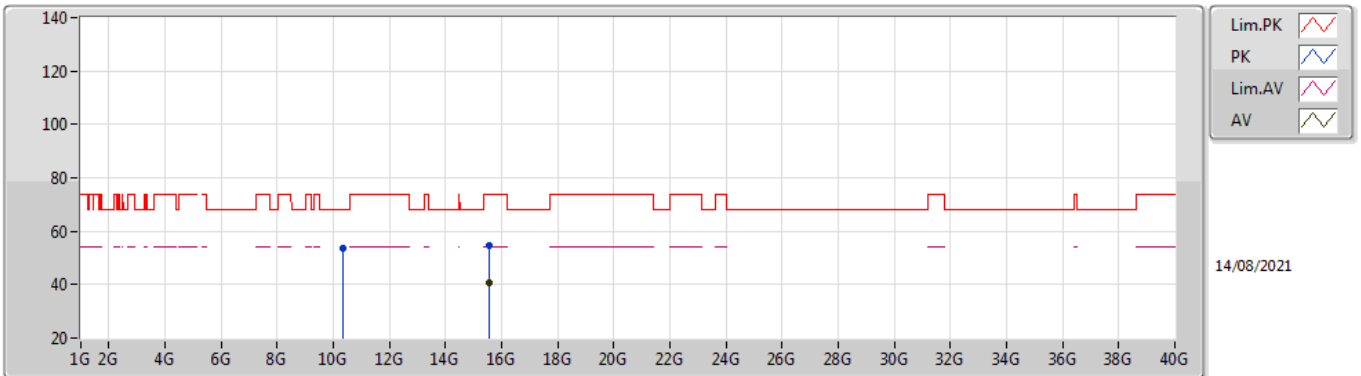


EUT_V_2TX
Setting 22.5
02-B-K-5

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	10.36012G	51.85	68.20	-16.35	39.14	3	Vertical	235	2.79	-	38.44	7.23	32.96
PK	15.52914G	52.45	74.00	-21.55	38.78	3	Vertical	78	2.63	-	37.81	9.04	33.18
AV	15.54306G	39.55	54.00	-14.45	25.94	3	Vertical	78	2.63	-	37.77	9.04	33.20

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TnomVnom

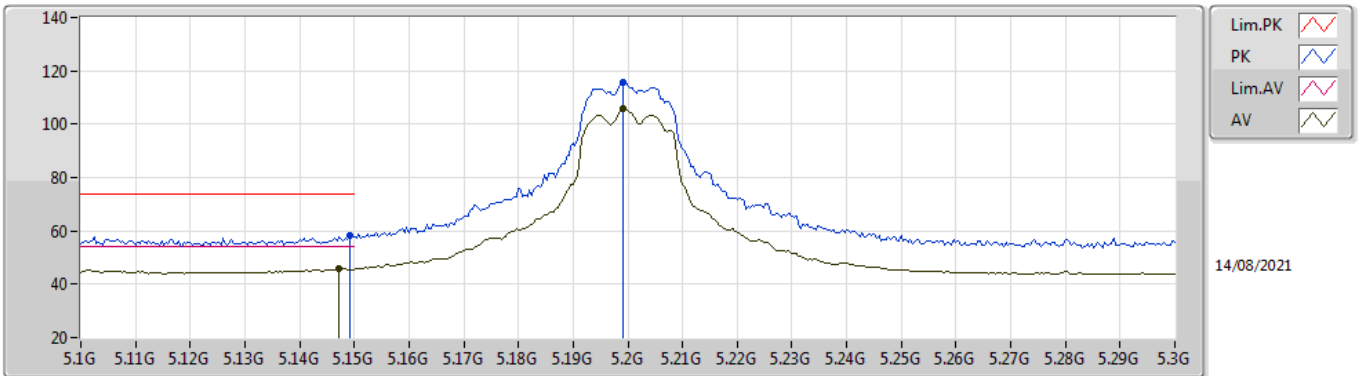


EUT V_2TX
Setting 22.5
02-B-K-5

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	10.36G	53.42	68.20	-14.78	40.71	3	Horizontal	239	2.98	-	38.44	7.23	32.96
PK	15.54042G	54.53	74.00	-19.47	40.91	3	Horizontal	250	1.80	-	37.78	9.04	33.20
AV	15.54018G	40.61	54.00	-13.39	26.99	3	Horizontal	250	1.80	-	37.78	9.04	33.20

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TnomVnom

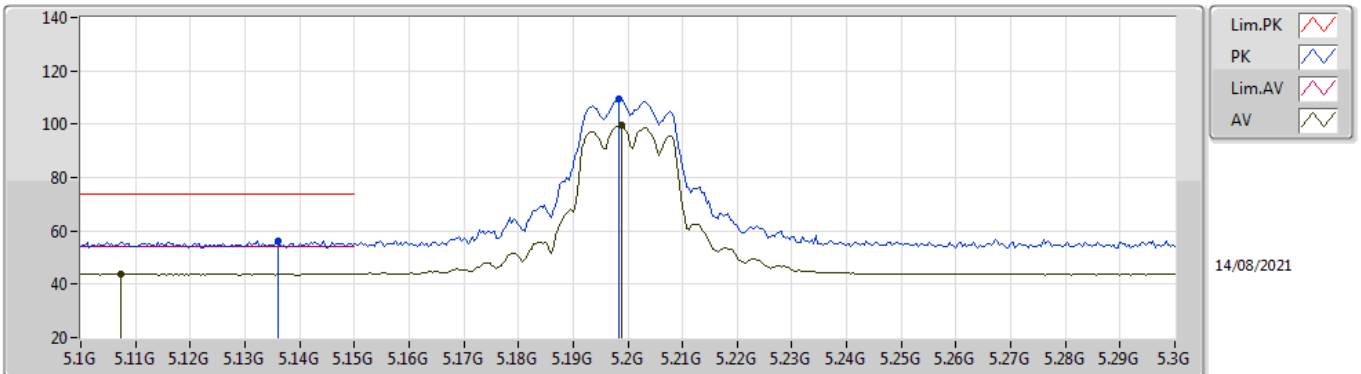


EUT V_2TX
Setting 22.5
02-B-K-5-10

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	5.1492G	58.45	74.00	-15.55	52.10	3	Vertical	212	2.14	-	33.50	5.00	32.15
AV	5.1472G	45.77	54.00	-8.23	39.43	3	Vertical	212	2.14	-	33.50	4.99	32.15
PK	5.1992G	115.76	Inf	-Inf	109.31	3	Vertical	212	2.14	-	33.50	5.10	32.15
AV	5.1992G	105.88	Inf	-Inf	99.43	3	Vertical	212	2.14	-	33.50	5.10	32.15

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TnomVnom

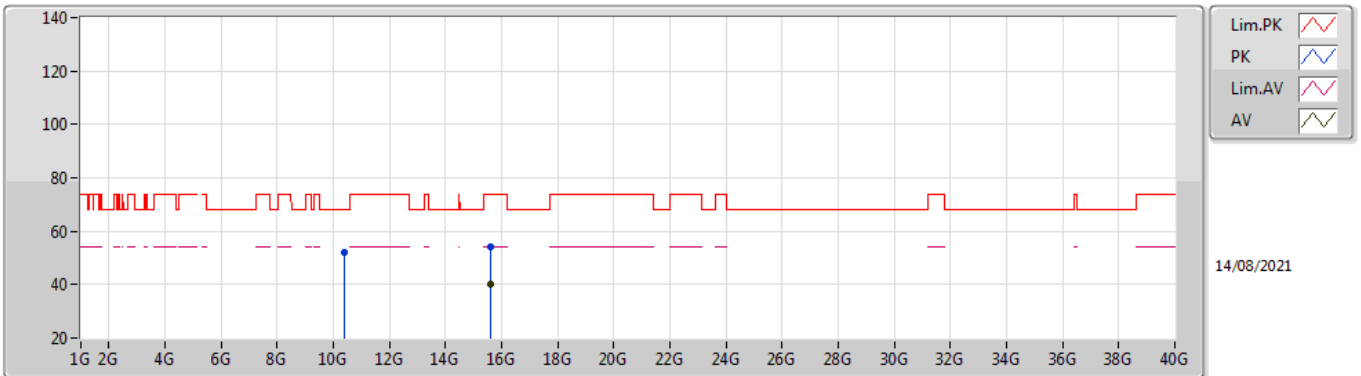


EUT V_2TX
Setting 22.5
02-B-K-5-10

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	5.136G	56.39	74.00	-17.61	50.07	3	Horizontal	0	2.95	-	33.50	4.97	32.15
AV	5.1072G	44.04	54.00	-9.96	37.78	3	Horizontal	0	2.95	-	33.50	4.91	32.15
PK	5.1984G	109.37	Inf	-Inf	102.92	3	Horizontal	0	2.95	-	33.50	5.10	32.15
AV	5.1988G	99.44	Inf	-Inf	92.99	3	Horizontal	0	2.95	-	33.50	5.10	32.15

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TnomVnom

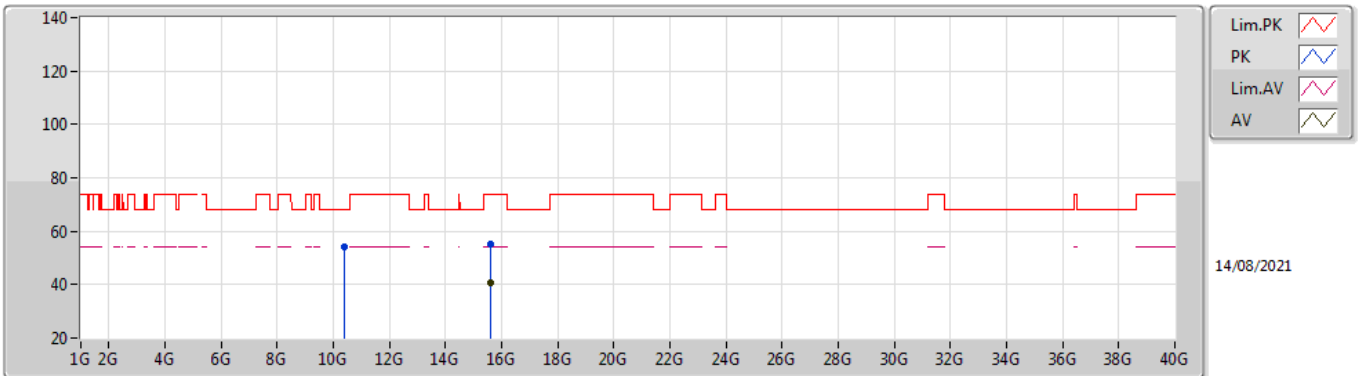


EUT_V_2TX
Setting 22.5
02-B-K-5

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	10.40544G	51.94	68.20	-16.26	39.29	3	Vertical	42	1.28	-	38.40	7.24	32.99	
PK	15.59768G	54.10	74.00	-19.90	40.70	3	Vertical	207	1.79	-	37.61	9.06	33.27	
AV	15.59456G	39.97	54.00	-14.03	26.55	3	Vertical	207	1.79	-	37.62	9.06	33.26	

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TnomVnom

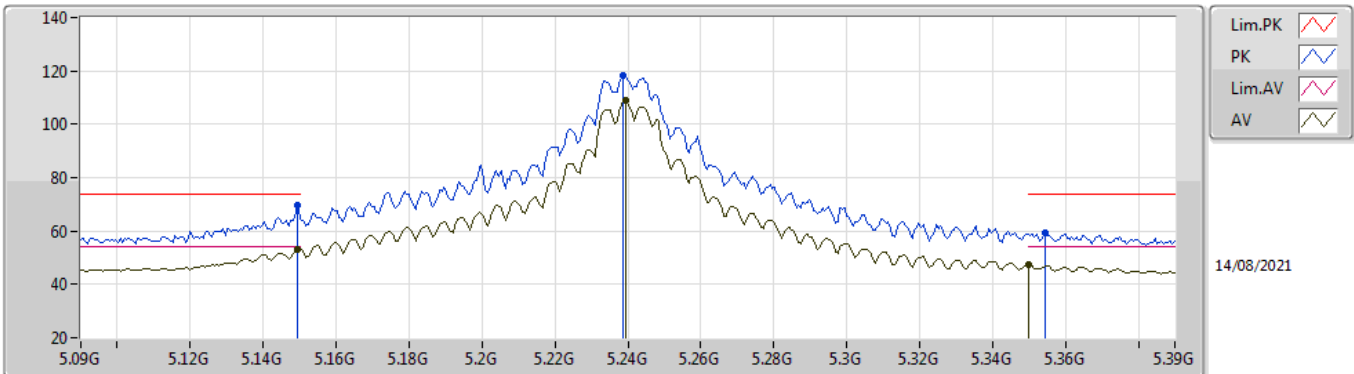


EUT_V_2TX
Setting 22.5
02-B-K-5

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	10.4G	54.17	68.20	-14.03	41.51	3	Horizontal	256	2.25	-	38.40	7.24	32.98
PK	15.59952G	55.29	74.00	-18.71	41.90	3	Horizontal	104	1.85	-	37.60	9.06	33.27
AV	15.60008G	40.77	54.00	-13.23	27.38	3	Horizontal	104	1.85	-	37.60	9.06	33.27

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TnomVnom

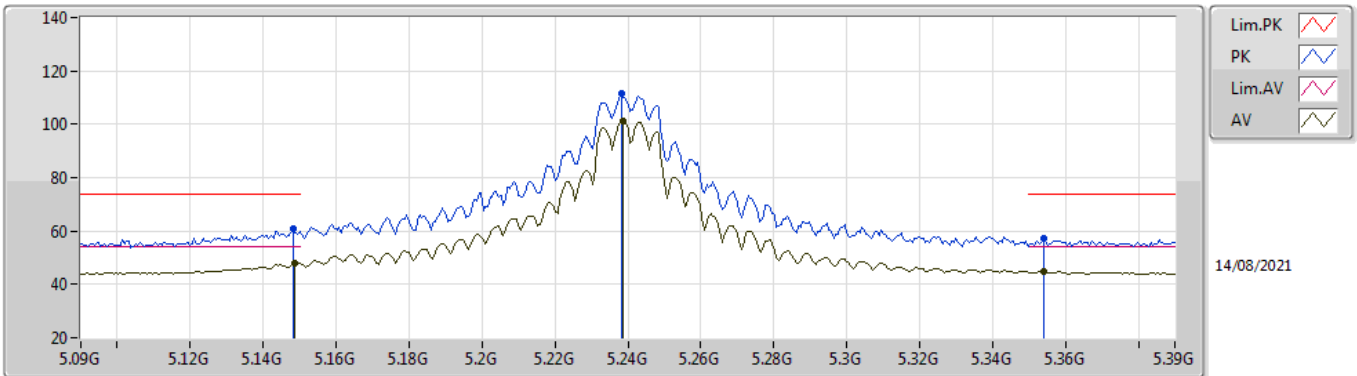


EUT_V_2TX
Setting 25
02-B-K-5-10

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	5.1494G	69.70	74.00	-4.30	63.35	3	Vertical	213	1.78	-	33.50	5.00	32.15
AV	5.1494G	52.91	54.00	-1.09	46.56	3	Vertical	213	1.78	-	33.50	5.00	32.15
PK	5.2388G	118.25	Inf	-Inf	111.74	3	Vertical	213	1.78	-	33.58	5.08	32.15
AV	5.2394G	108.72	Inf	-Inf	102.21	3	Vertical	213	1.78	-	33.58	5.08	32.15
PK	5.3546G	59.42	74.00	-14.58	52.83	3	Vertical	213	1.78	-	33.71	5.02	32.14
AV	5.35G	47.61	54.00	-6.39	41.03	3	Vertical	213	1.78	-	33.70	5.02	32.14

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TnomVnom

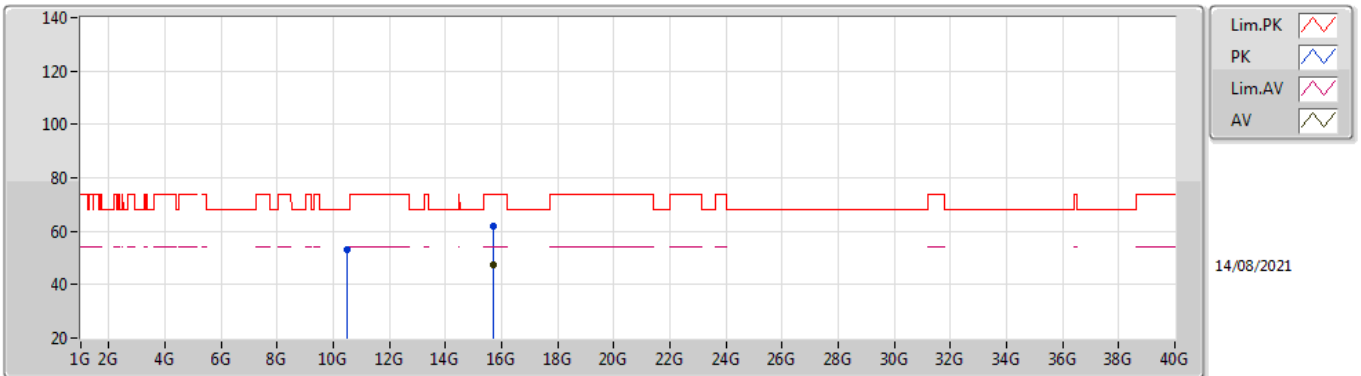


EUT_V_2TX
Setting 25
02-B-K-5-10

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	5.1482G	60.80	74.00	-13.20	54.45	3	Horizontal	0	2.64	-	33.50	5.00	32.15
AV	5.1488G	47.83	54.00	-6.17	41.48	3	Horizontal	0	2.64	-	33.50	5.00	32.15
PK	5.2382G	111.55	Inf	-Inf	105.04	3	Horizontal	0	2.64	-	33.58	5.08	32.15
AV	5.2388G	101.24	Inf	-Inf	94.73	3	Horizontal	0	2.64	-	33.58	5.08	32.15
PK	5.354G	57.05	74.00	-16.95	50.46	3	Horizontal	0	2.64	-	33.71	5.02	32.14
AV	5.354G	44.74	54.00	-9.26	38.15	3	Horizontal	0	2.64	-	33.71	5.02	32.14

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TnomVnom

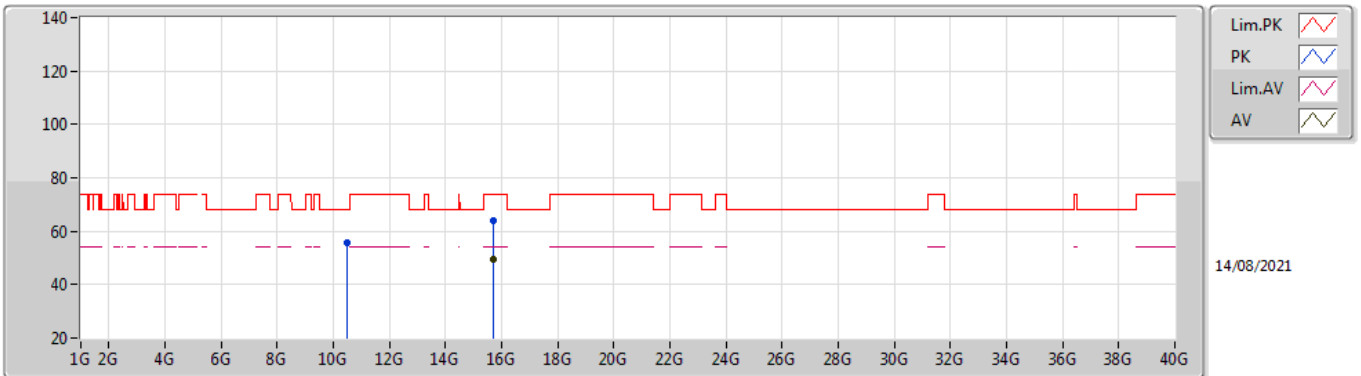


EUT_V_2TX
Setting 25
02-B-K-5

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	10.48G	53.32	68.20	-14.88	40.69	3	Vertical	225	1.00	-	38.40	7.27	33.04
PK	15.72024G	61.64	74.00	-12.36	48.55	3	Vertical	208	1.67	-	37.40	9.10	33.41
AV	15.72024G	47.27	54.00	-6.73	34.18	3	Vertical	208	1.67	-	37.40	9.10	33.41

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TnomVnom

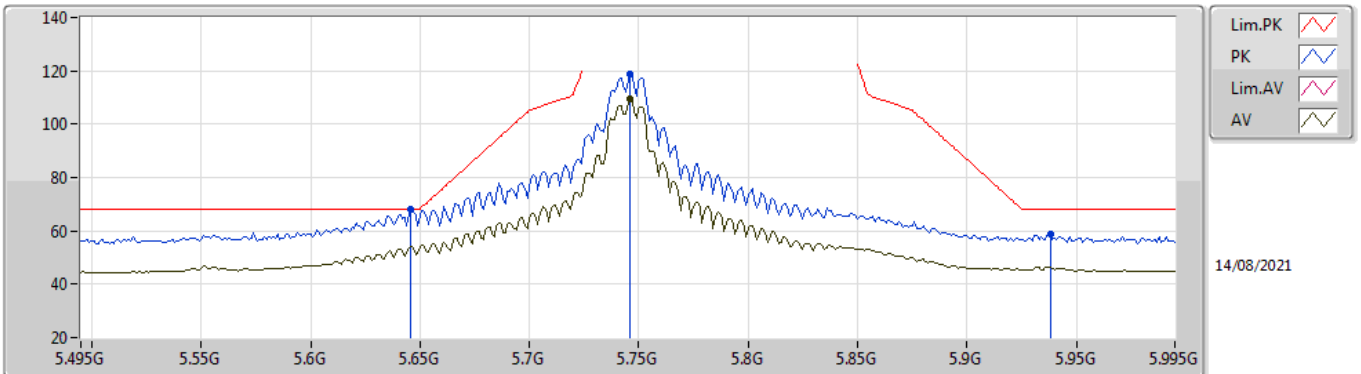


EUT V_2TX
Setting 25
02-B-K-5

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	10.48288G	55.49	68.20	-12.71	42.86	3	Horizontal	238	2.98	-	38.40	7.27	33.04
PK	15.71512G	63.77	74.00	-10.23	50.67	3	Horizontal	249	1.85	-	37.40	9.10	33.40
AV	15.72024G	49.51	54.00	-4.49	36.42	3	Horizontal	249	1.85	-	37.40	9.10	33.41

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TnomVnom

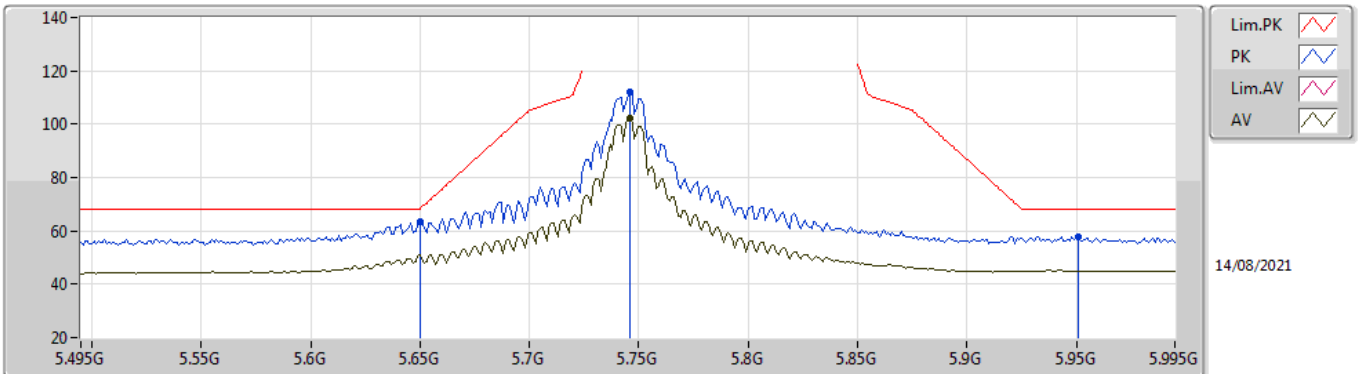


EUT V_2TX
Setting 25.5
02-B-K-5-10

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	68.13	68.20	-0.07	61.31	3	Vertical	360	2.44	-	33.81	5.15	32.14	
PK	5.746G	118.73	Inf	-Inf	112.03	3	Vertical	360	2.44	-	33.79	5.05	32.14	
AV	5.746G	109.34	Inf	-Inf	102.64	3	Vertical	360	2.44	-	33.79	5.05	32.14	
PK	5.938G	58.79	68.20	-9.41	51.46	3	Vertical	360	2.44	-	34.08	5.41	32.16	

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TnomVnom

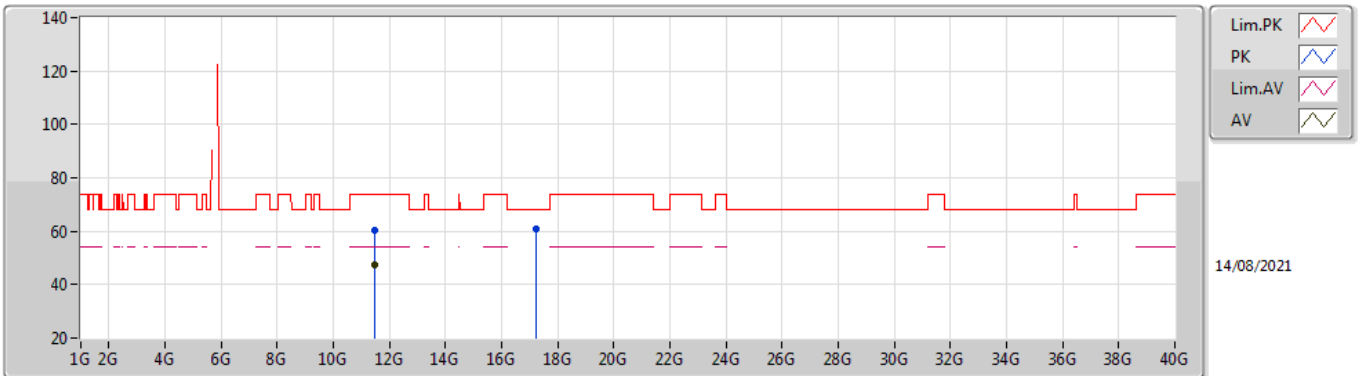


EUT V_2TX
Setting 25.5
02-B-K-5-10

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	63.55	68.20	-4.65	56.74	3	Horizontal	17	1.00	-	33.80	5.15	32.14	
PK	5.746G	111.91	Inf	-Inf	105.21	3	Horizontal	17	1.00	-	33.79	5.05	32.14	
AV	5.746G	102.35	Inf	-Inf	95.65	3	Horizontal	17	1.00	-	33.79	5.05	32.14	
PK	5.951G	57.97	68.20	-10.23	50.58	3	Horizontal	17	1.00	-	34.10	5.45	32.16	

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TnomVnom

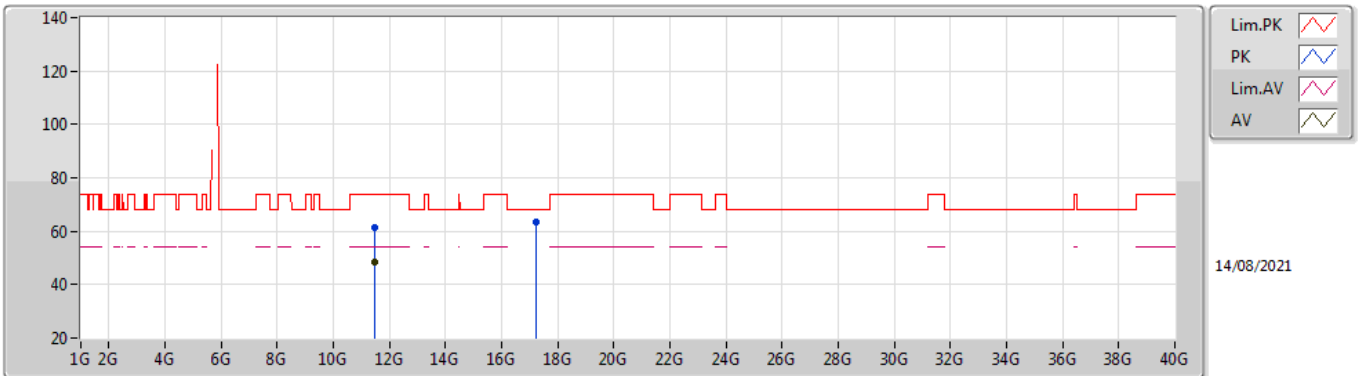


EUT V_2TX
Setting 25.5
02-B-K-5

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	11.49832G	60.33	74.00	-13.67	46.93	3	Vertical	217	1.91	-	39.00	7.62	33.22
AV	11.49304G	47.55	54.00	-6.45	34.16	3	Vertical	217	1.91	-	38.99	7.62	33.22
PK	17.2298G	61.12	68.20	-7.08	42.99	3	Vertical	218	2.31	-	42.09	9.32	33.28

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TnomVnom

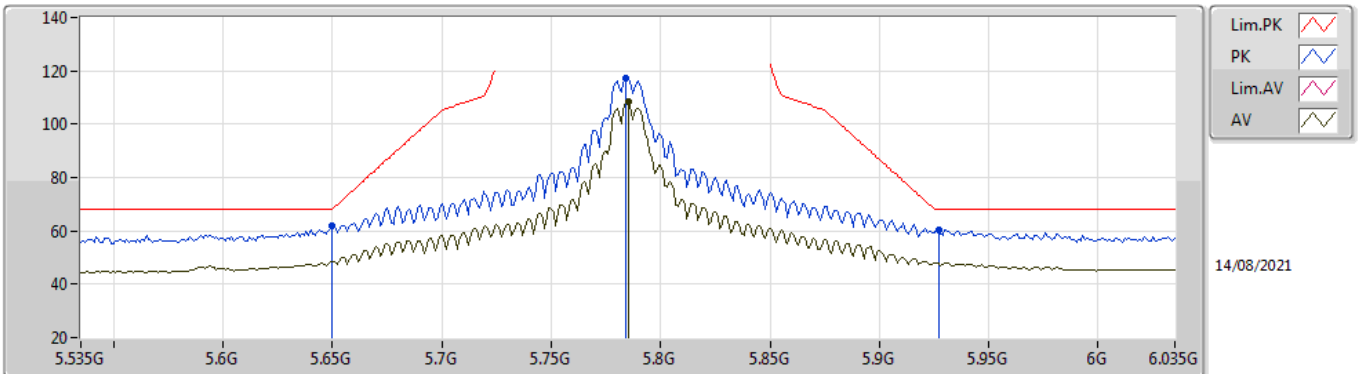


EUT V_2TX
Setting 25.5
02-B-K-5

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	11.49272G	61.32	74.00	-12.68	47.93	3	Horizontal	216	1.90	-	38.99	7.62	33.22	
AV	11.4924G	48.52	54.00	-5.48	35.14	3	Horizontal	216	1.90	-	38.98	7.62	33.22	
PK	17.22972G	63.51	68.20	-4.69	45.38	3	Horizontal	0	2.55	-	42.09	9.32	33.28	

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TnomVnom

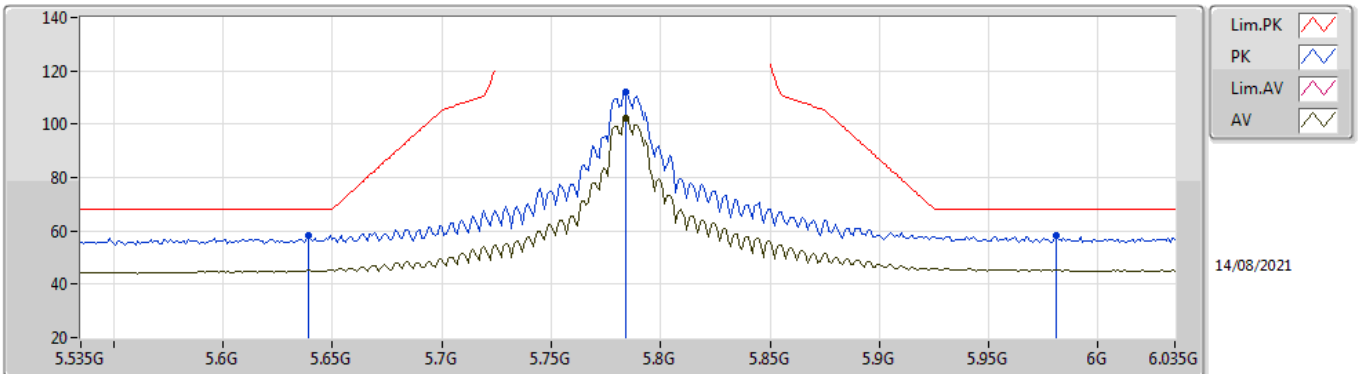


EUT V_2TX
Setting 26
02-B-K-5-10

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	61.75	68.20	-6.45	54.94	3	Vertical	178	1.63	-	33.80	5.15	32.14	
PK	5.784G	117.45	Inf	-Inf	110.85	3	Vertical	178	1.63	-	33.73	5.02	32.15	
AV	5.785G	108.37	Inf	-Inf	101.78	3	Vertical	178	1.63	-	33.73	5.01	32.15	
PK	5.927G	60.51	68.20	-7.69	53.24	3	Vertical	178	1.63	-	34.05	5.38	32.16	

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TnomVnom

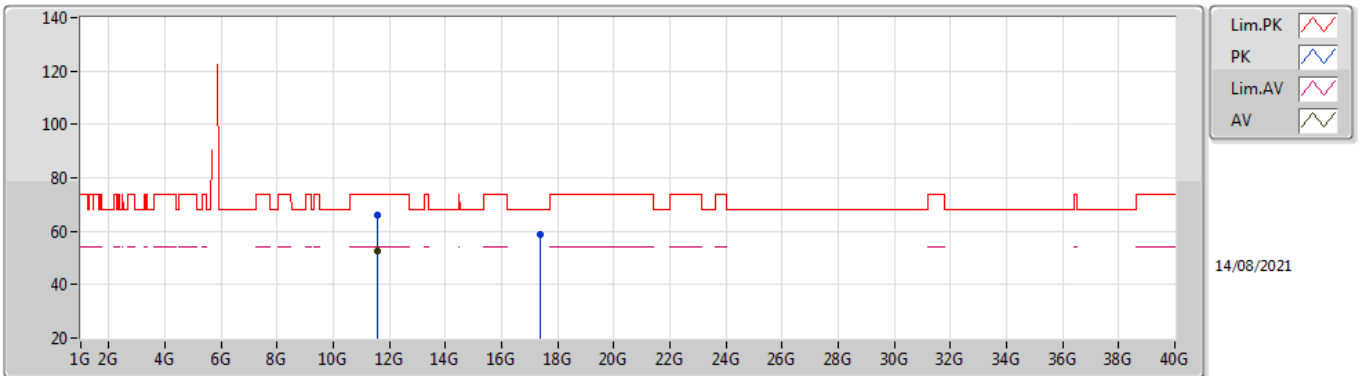


EUT V_2TX
Setting 26
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.639G	58.34	68.20	-9.86	51.50	3	Horizontal	14	2.56	-	33.82	5.16	32.14
PK	5.784G	112.11	Inf	-Inf	105.51	3	Horizontal	14	2.56	-	33.73	5.02	32.15
AV	5.784G	102.44	Inf	-Inf	95.84	3	Horizontal	14	2.56	-	33.73	5.02	32.15
PK	5.981G	58.02	68.20	-10.18	50.54	3	Horizontal	14	2.56	-	34.10	5.54	32.16

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TnomVnom

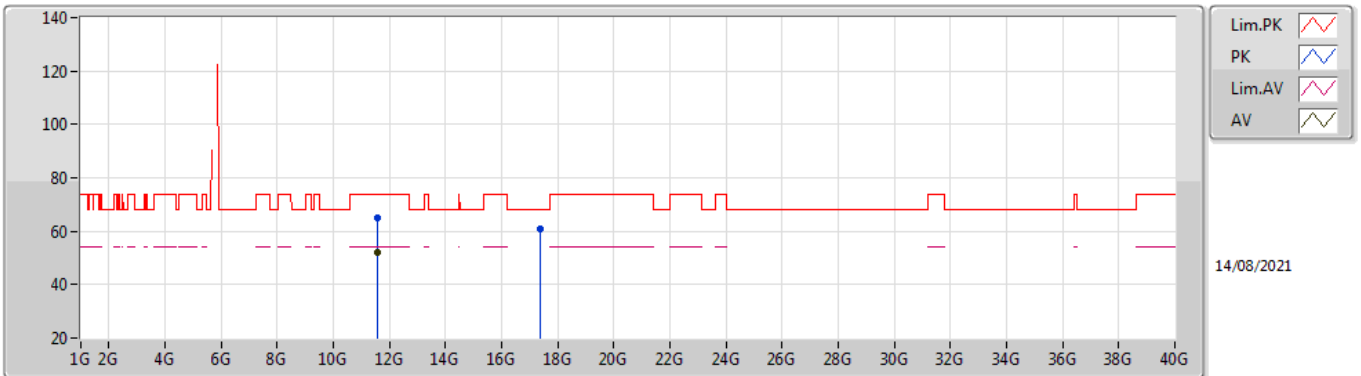


EUT_V_2TX
Setting 26
02-B-K-5

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	11.57296G	65.94	74.00	-8.06	52.31	3	Vertical	218	1.90	-	39.22	7.65	33.24
AV	11.57304G	52.67	54.00	-1.33	39.04	3	Vertical	218	1.90	-	39.22	7.65	33.24
PK	17.36332G	58.87	68.20	-9.33	39.85	3	Vertical	272	2.17	-	42.81	9.34	33.13

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TnomVnom

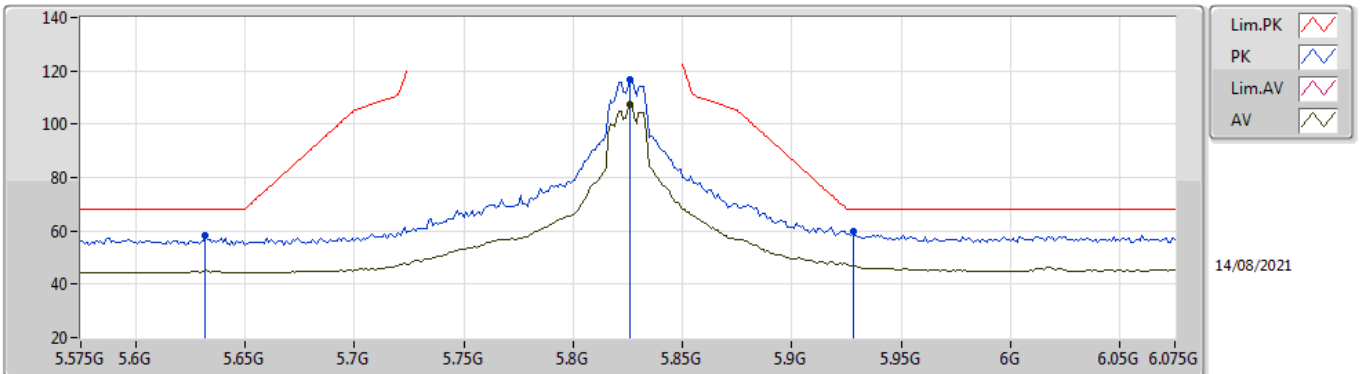


EUT_V_2TX
Setting 26
02-B-K-5

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	11.572G	65.14	74.00	-8.86	51.51	3	Horizontal	225	1.83	-	39.22	7.65	33.24
AV	11.57192G	52.28	54.00	-1.72	38.65	3	Horizontal	225	1.83	-	39.22	7.65	33.24
PK	17.35708G	60.89	68.20	-7.31	41.92	3	Horizontal	0	1.98	-	42.76	9.34	33.13

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TnomVnom

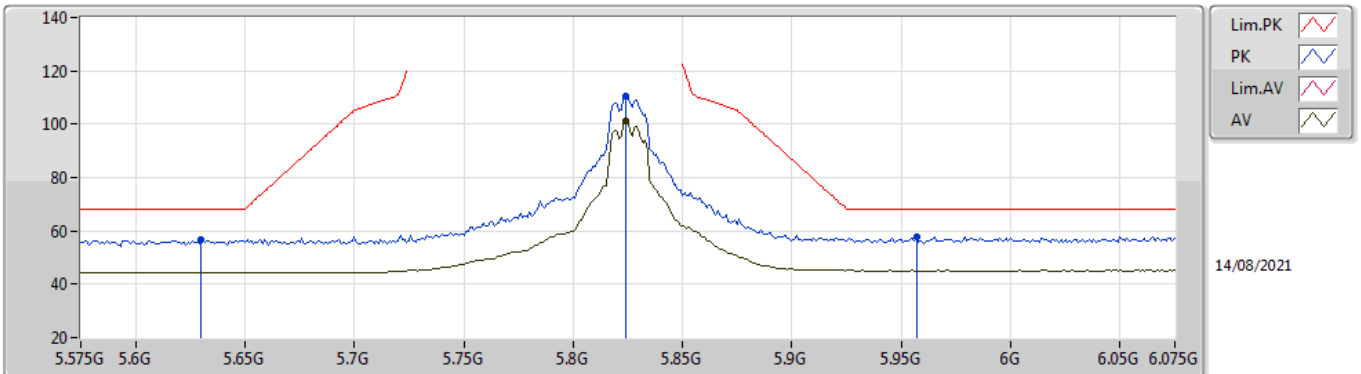


EUT V_2TX
Setting 23.5
02-B-K-5-10

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	5.632G	58.16	68.20	-10.04	51.29	3	Vertical	0	2.19	-	33.84	5.17	32.14	
PK	5.826G	116.90	Inf	-Inf	110.22	3	Vertical	0	2.19	-	33.75	5.08	32.15	
AV	5.826G	107.26	Inf	-Inf	100.58	3	Vertical	0	2.19	-	33.75	5.08	32.15	
PK	5.928G	59.67	68.20	-8.53	52.39	3	Vertical	0	2.19	-	34.06	5.38	32.16	

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TnomVnom

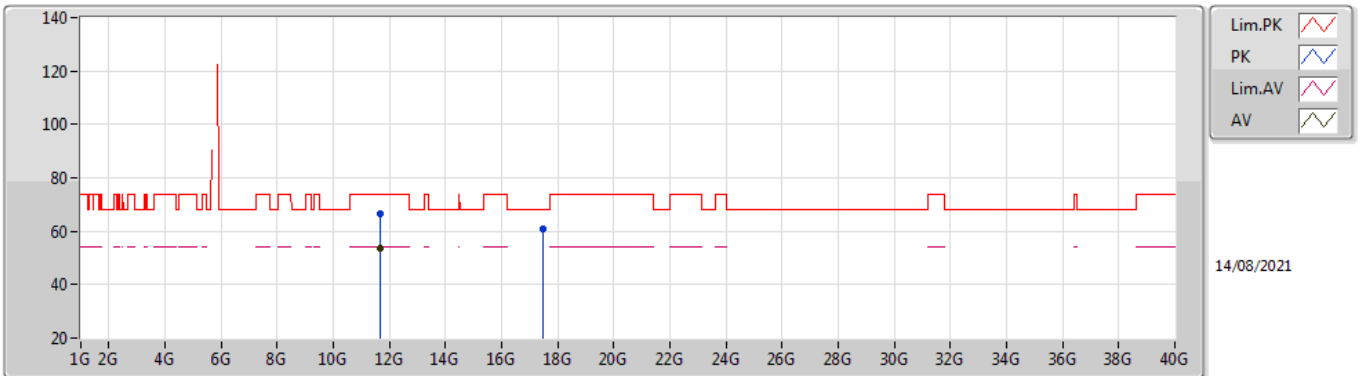


EUT V_2TX
Setting 23.5
02-B-K-5-10

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	5.63G	56.68	68.20	-11.52	49.81	3	Horizontal	13	2.56	-	33.84	5.17	32.14	
PK	5.824G	110.62	Inf	-Inf	103.95	3	Horizontal	13	2.56	-	33.75	5.07	32.15	
AV	5.824G	101.21	Inf	-Inf	94.54	3	Horizontal	13	2.56	-	33.75	5.07	32.15	
PK	5.957G	57.82	68.20	-10.38	50.41	3	Horizontal	13	2.56	-	34.10	5.47	32.16	

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TnomVnom

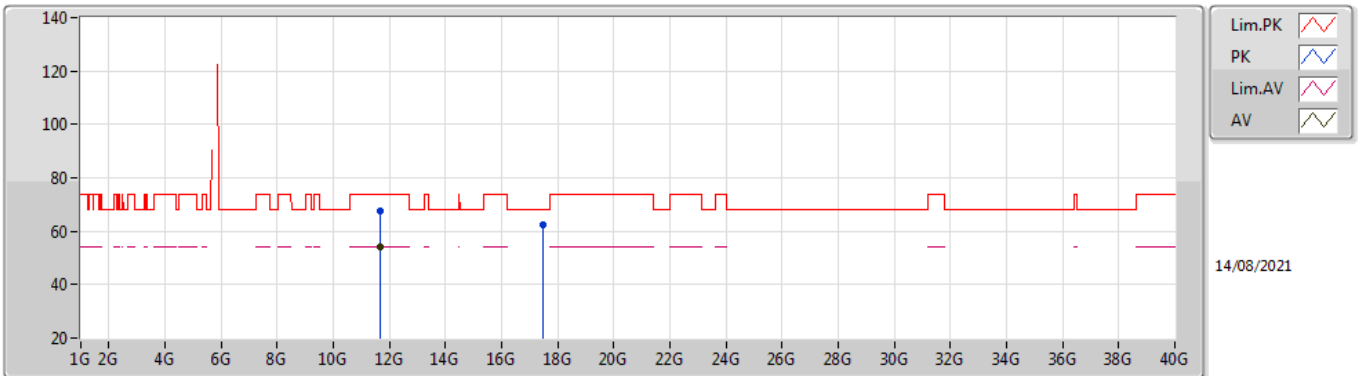


EUT V_2TX
Setting 23.5
02-B-K-5

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	11.65288G	66.52	74.00	-7.48	52.75	3	Vertical	219	1.93	-	39.35	7.68	33.26
AV	11.64792G	53.58	54.00	-0.42	39.81	3	Vertical	219	1.93	-	39.35	7.68	33.26
PK	17.47444G	61.04	68.20	-7.16	41.07	3	Vertical	220	2.26	-	43.62	9.35	33.00

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TnomVnom

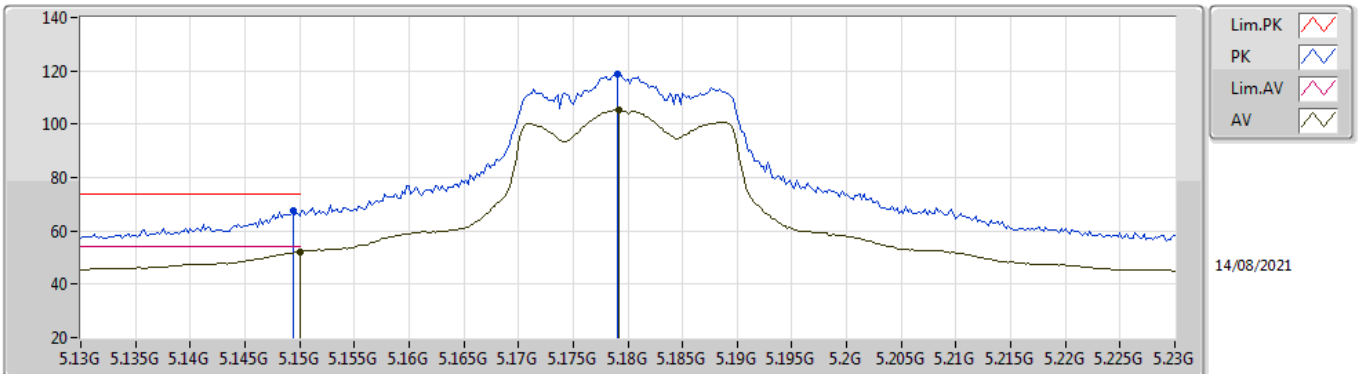


EUT_V_2TX
Setting 23.5
02-B-K-5

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	11.65064G	67.84	74.00	-6.16	54.07	3	Horizontal	262	2.24	-	39.35	7.68	33.26
AV	11.65016G	53.95	54.00	-0.05	40.18	3	Horizontal	262	2.24	-	39.35	7.68	33.26
PK	17.47676G	62.30	68.20	-5.90	42.31	3	Horizontal	360	1.87	-	43.64	9.35	33.00

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TnomVnom

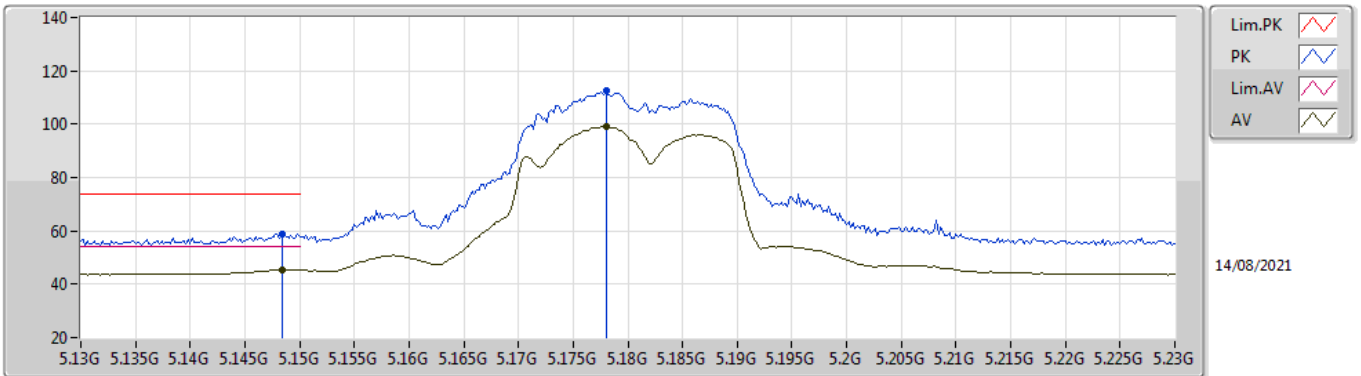


EUT V_2TX
Setting 22.5
02-B-K-5-10

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	5.1494G	67.53	74.00	-6.47	61.18	3	Vertical	209	1.80	-	33.50	5.00	32.15
AV	5.15G	52.10	54.00	-1.90	45.75	3	Vertical	209	1.80	-	33.50	5.00	32.15
PK	5.179G	118.78	Inf	-Inf	112.37	3	Vertical	209	1.80	-	33.50	5.06	32.15
AV	5.1792G	105.45	Inf	-Inf	99.04	3	Vertical	209	1.80	-	33.50	5.06	32.15

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TnomVnom

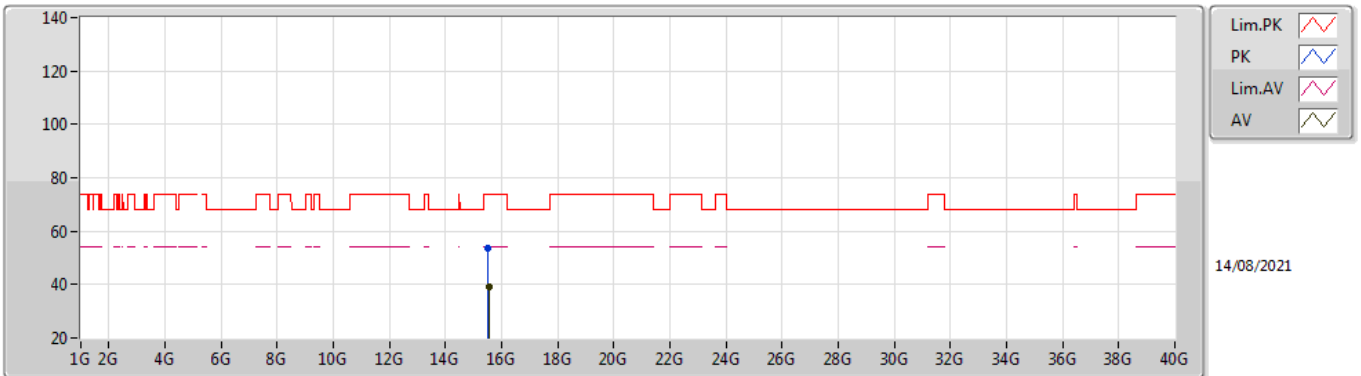


EUT V_2TX
Setting 22.5
02-B-K-5-10

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	58.89	74.00	-15.11	52.54	3	Horizontal	5	2.83	-	33.50	5.00	32.15
AV	5.1484G	45.43	54.00	-8.57	39.08	3	Horizontal	5	2.83	-	33.50	5.00	32.15
PK	5.178G	112.35	Inf	-Inf	105.94	3	Horizontal	5	2.83	-	33.50	5.06	32.15
AV	5.178G	98.93	Inf	-Inf	92.52	3	Horizontal	5	2.83	-	33.50	5.06	32.15

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TnomVnom

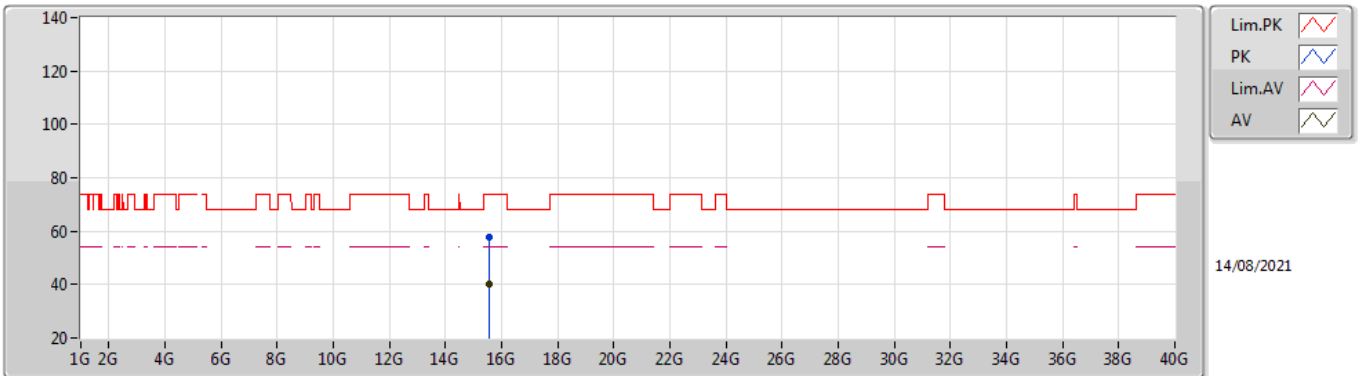


EUT Y_2TX
Setting 22.5
02-B-K-5

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	15.5317G	53.56	74.00	-20.44	39.91	3	Vertical	204	1.80	-	37.80	9.04	33.19
AV	15.5391G	39.14	54.00	-14.86	25.52	3	Vertical	204	1.80	-	37.78	9.04	33.20

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TnomVnom

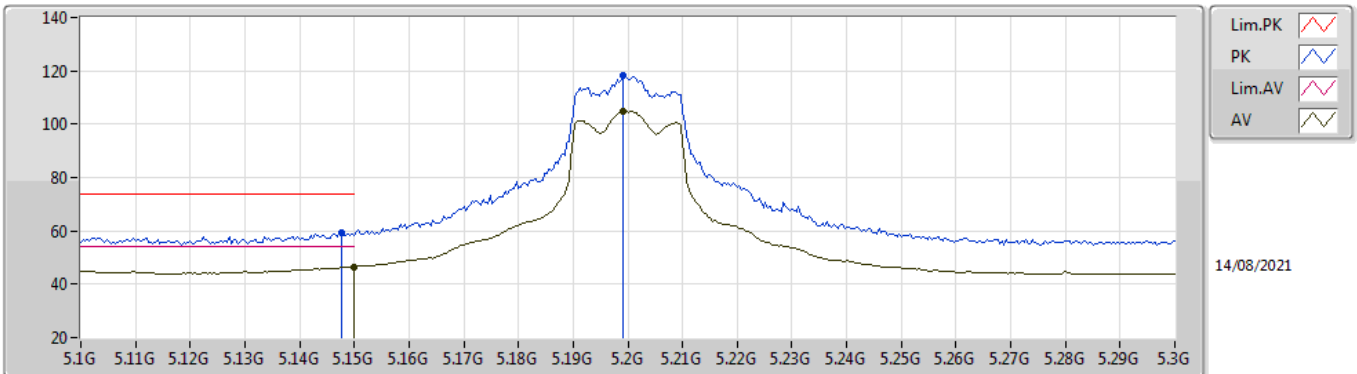


EUT V_2TX
Setting 22.5
02-B-K-5

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	15.5388G	57.96	74.00	-16.04	44.34	3	Horizontal	102	1.91	-	37.78	9.04	33.20
AV	15.5407G	40.32	54.00	-13.68	26.70	3	Horizontal	102	1.91	-	37.78	9.04	33.20

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TnomVnom

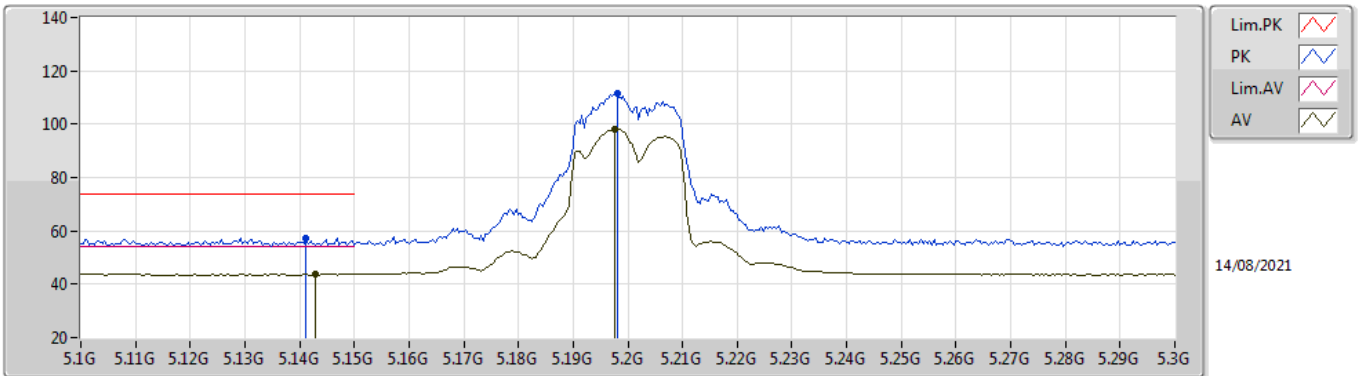


EUT V_2TX
Setting 22.5
02-B-K-5-10

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	59.34	74.00	-14.66	52.99	3	Vertical	208	2.15	-	33.50	5.00	32.15	
AV	5.15G	46.49	54.00	-7.51	40.14	3	Vertical	208	2.15	-	33.50	5.00	32.15	
PK	5.1992G	118.27	Inf	-Inf	111.82	3	Vertical	208	2.15	-	33.50	5.10	32.15	
AV	5.1992G	104.98	Inf	-Inf	98.53	3	Vertical	208	2.15	-	33.50	5.10	32.15	

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TnomVnom

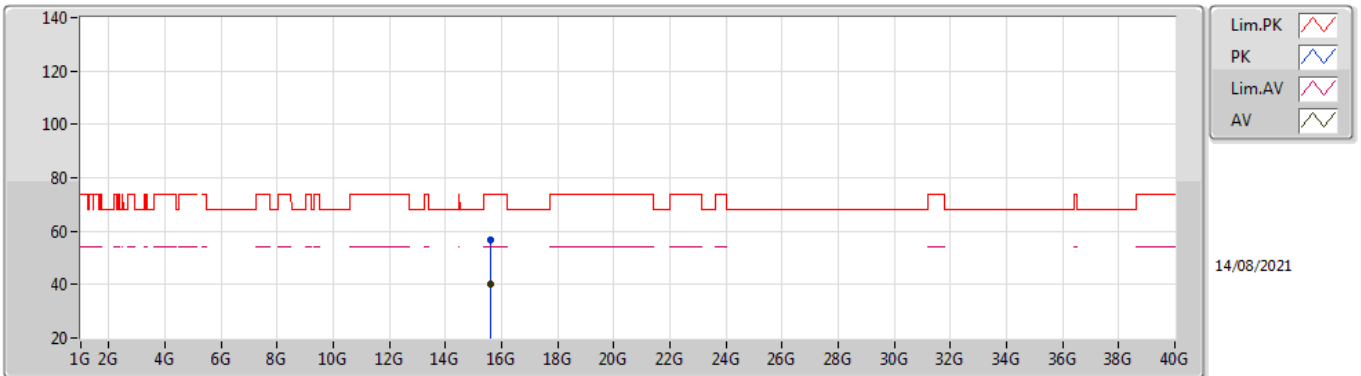


EUT V_2TX
Setting 22.5
02-B-K-5-10

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	5.1412G	57.30	74.00	-16.70	50.97	3	Horizontal	6	2.95	-	33.50	4.98	32.15
AV	5.1428G	43.77	54.00	-10.23	37.43	3	Horizontal	6	2.95	-	33.50	4.99	32.15
PK	5.198G	111.78	Inf	-Inf	105.33	3	Horizontal	6	2.95	-	33.50	5.10	32.15
AV	5.1976G	98.16	Inf	-Inf	91.71	3	Horizontal	6	2.95	-	33.50	5.10	32.15

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TnomVnom

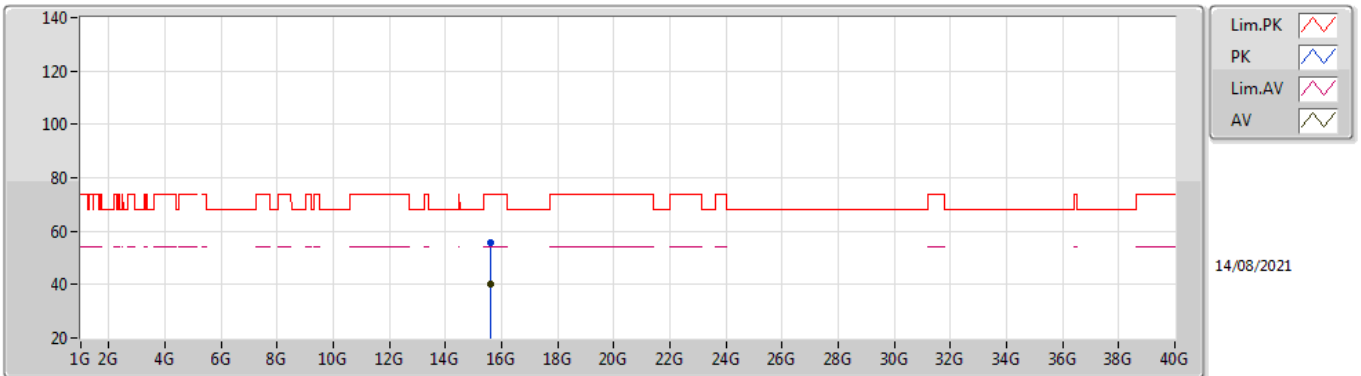


EUT V_2TX
Setting 22.5
02-B-K-5

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	15.6101G	56.74	74.00	-17.26	43.38	3	Vertical	115	3.00	-	37.58	9.06	33.28
AV	15.5997G	40.23	54.00	-13.77	26.84	3	Vertical	115	3.00	-	37.60	9.06	33.27

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TnomVnom

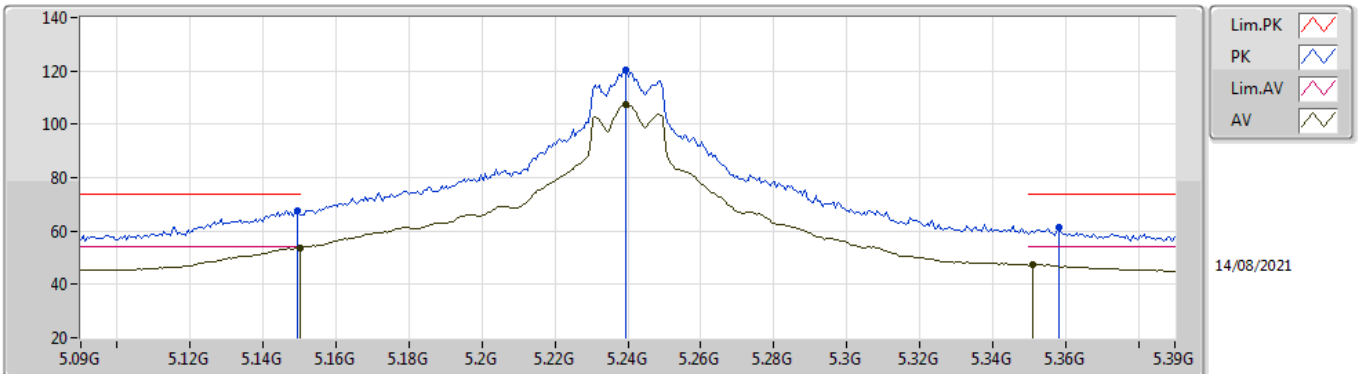


EUT V_2TX
Setting 22.5
02-B-K-5

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	15.5997G	55.91	74.00	-18.09	42.52	3	Horizontal	251	1.78	-	37.60	9.06	33.27
AV	15.601G	40.02	54.00	-13.98	26.63	3	Horizontal	251	1.78	-	37.60	9.06	33.27

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TnomVnom

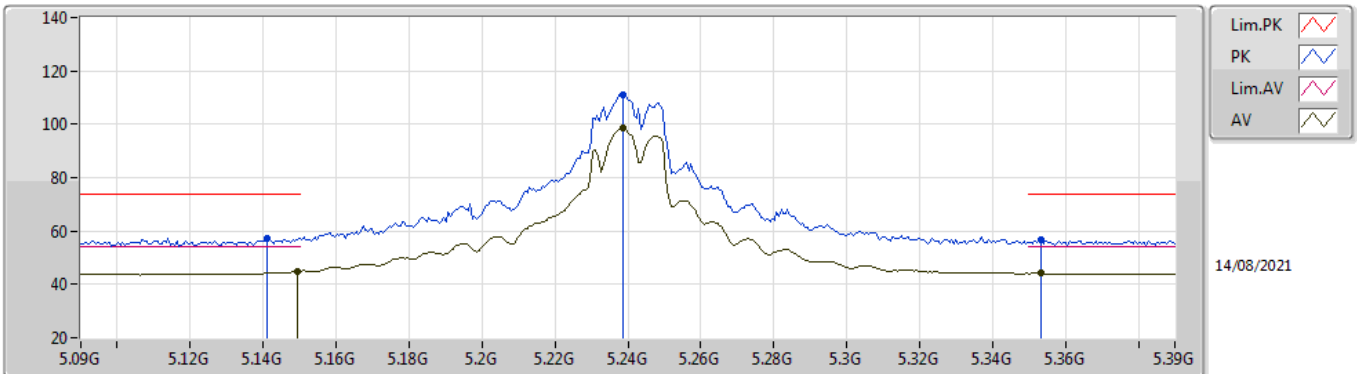


EUT_V_2TX
Setting 24
02-B-K-5-10

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	5.1494G	67.72	74.00	-6.28	61.37	3	Vertical	209	1.78	-	33.50	5.00	32.15
AV	5.15G	53.84	54.00	-0.16	47.49	3	Vertical	209	1.78	-	33.50	5.00	32.15
PK	5.2394G	120.55	Inf	-Inf	114.04	3	Vertical	209	1.78	-	33.58	5.08	32.15
AV	5.2394G	107.34	Inf	-Inf	100.83	3	Vertical	209	1.78	-	33.58	5.08	32.15
PK	5.3582G	61.31	74.00	-12.69	54.71	3	Vertical	209	1.78	-	33.72	5.02	32.14
AV	5.351G	47.37	54.00	-6.63	40.79	3	Vertical	209	1.78	-	33.70	5.02	32.14

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TnomVnom

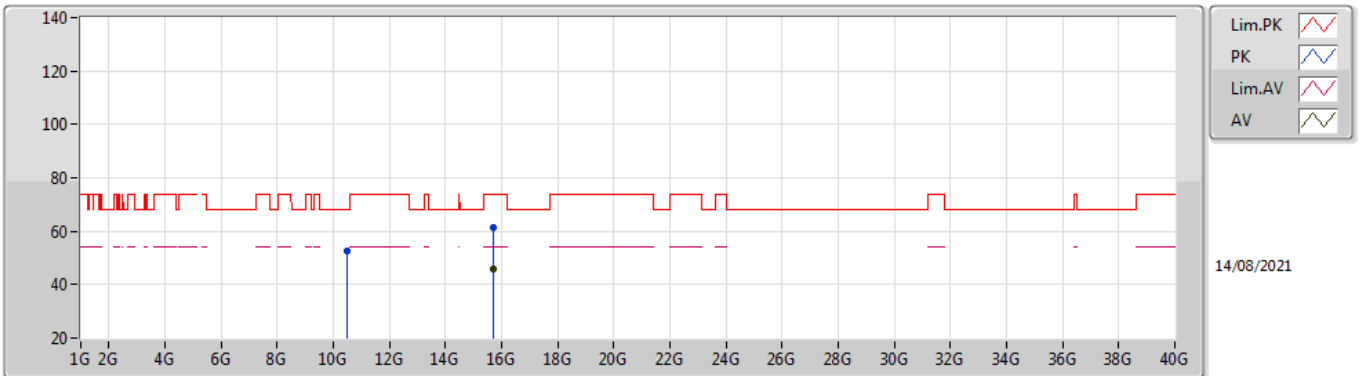


EUT_V_2TX
Setting 24
02-B-K-5-10

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	5.141G	57.18	74.00	-16.82	50.85	3	Horizontal	1	1.22	-	33.50	4.98	32.15
AV	5.1494G	44.93	54.00	-9.07	38.58	3	Horizontal	1	1.22	-	33.50	5.00	32.15
PK	5.2388G	110.86	Inf	-Inf	104.35	3	Horizontal	1	1.22	-	33.58	5.08	32.15
AV	5.2388G	98.51	Inf	-Inf	92.00	3	Horizontal	1	1.22	-	33.58	5.08	32.15
PK	5.3534G	56.49	74.00	-17.51	49.90	3	Horizontal	1	1.22	-	33.71	5.02	32.14
AV	5.3534G	44.22	54.00	-9.78	37.63	3	Horizontal	1	1.22	-	33.71	5.02	32.14

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TnomVnom

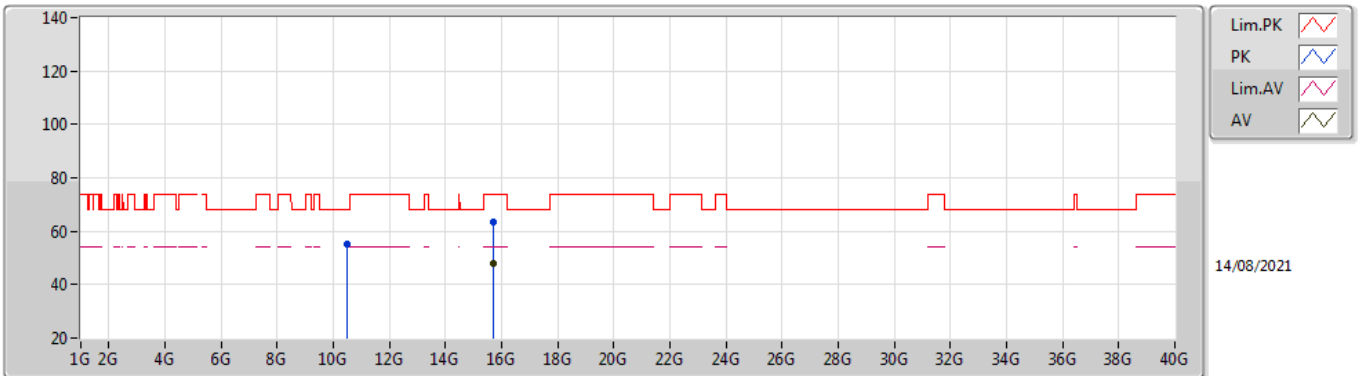


EUT V_2TX
Setting 24
02-B-K-5

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	10.4799G	52.63	68.20	-15.57	40.00	3	Vertical	233	1.00	-	38.40	7.27	33.04
PK	15.7189G	61.13	74.00	-12.87	48.04	3	Vertical	207	1.80	-	37.40	9.10	33.41
AV	15.7198G	45.86	54.00	-8.14	32.77	3	Vertical	207	1.80	-	37.40	9.10	33.41

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TnomVnom

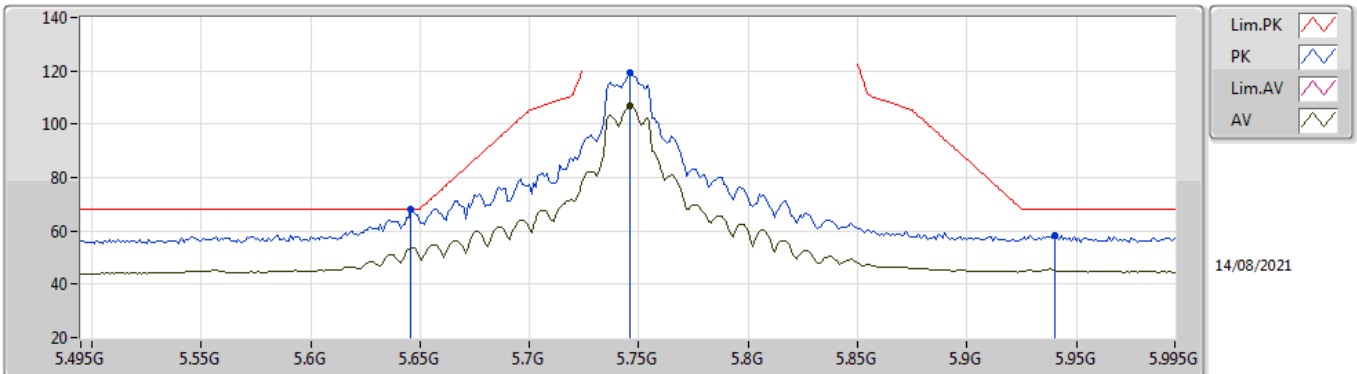


EUT_V_2TX
Setting 24
02-B-K-5

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	10.48G	54.98	68.20	-13.22	42.35	3	Horizontal	236	2.98	-	38.40	7.27	33.04
PK	15.7206G	63.35	74.00	-10.65	50.26	3	Horizontal	250	1.84	-	37.40	9.10	33.41
AV	15.7203G	47.69	54.00	-6.31	34.60	3	Horizontal	250	1.84	-	37.40	9.10	33.41

802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TnomVnom

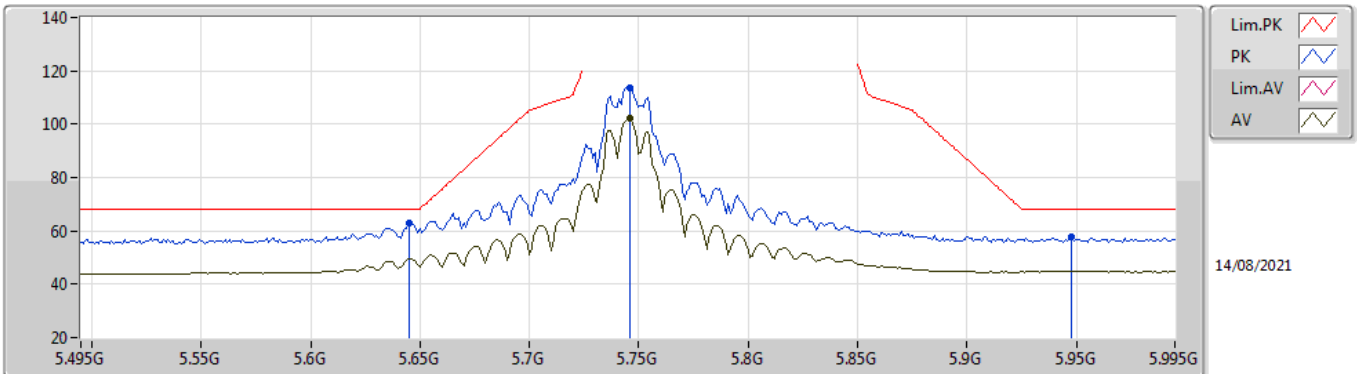


EUT V_2TX
Setting 25.5
02-B-K-5-10

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	68.01	68.20	-0.19	61.19	3	Vertical	206	1.39	-	33.81	5.15	32.14	
PK	5.746G	119.12	Inf	-Inf	112.42	3	Vertical	206	1.39	-	33.79	5.05	32.14	
AV	5.746G	107.08	Inf	-Inf	100.38	3	Vertical	206	1.39	-	33.79	5.05	32.14	
PK	5.94G	58.42	68.20	-9.78	51.08	3	Vertical	206	1.39	-	34.08	5.42	32.16	

802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TnomVnom

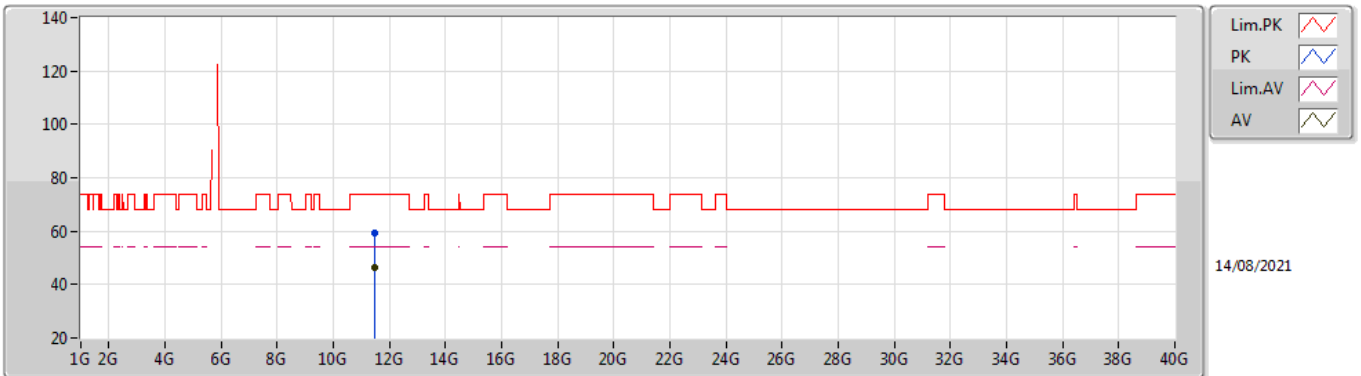


EUT V_2TX
Setting 25.5
02-B-K-5-10

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	5.645G	62.88	68.20	-5.32	56.05	3	Horizontal	14	1.14	-	33.81	5.16	32.14	
PK	5.746G	113.62	Inf	-Inf	106.92	3	Horizontal	14	1.14	-	33.79	5.05	32.14	
AV	5.746G	102.00	Inf	-Inf	95.30	3	Horizontal	14	1.14	-	33.79	5.05	32.14	
PK	5.948G	58.00	68.20	-10.20	50.62	3	Horizontal	14	1.14	-	34.10	5.44	32.16	

802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TnomVnom

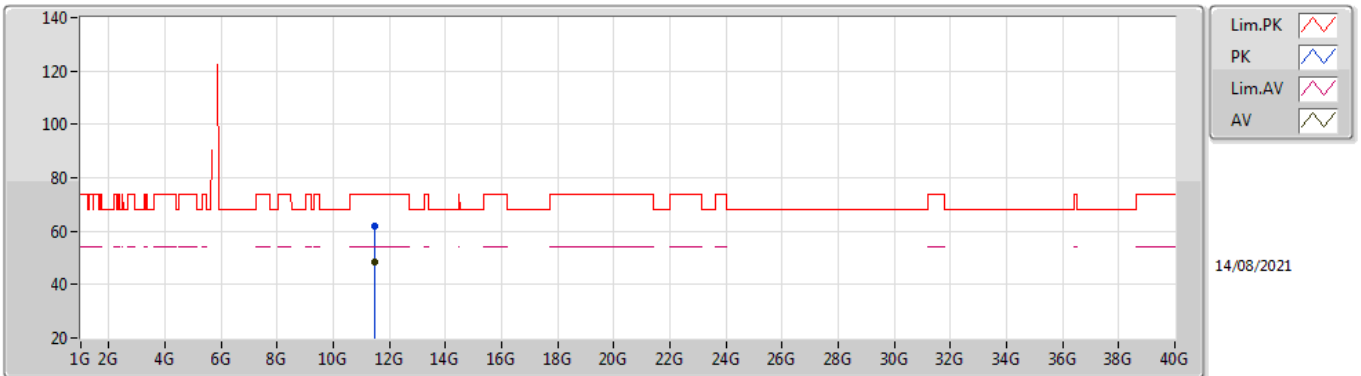


EUT V_2TX
Setting 25.5
02-B-K-5

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	11.4963G	59.54	74.00	-14.46	46.15	3	Vertical	216	1.96	-	38.99	7.62	33.22	
AV	11.496G	46.35	54.00	-7.65	32.96	3	Vertical	216	1.96	-	38.99	7.62	33.22	

802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TnomVnom

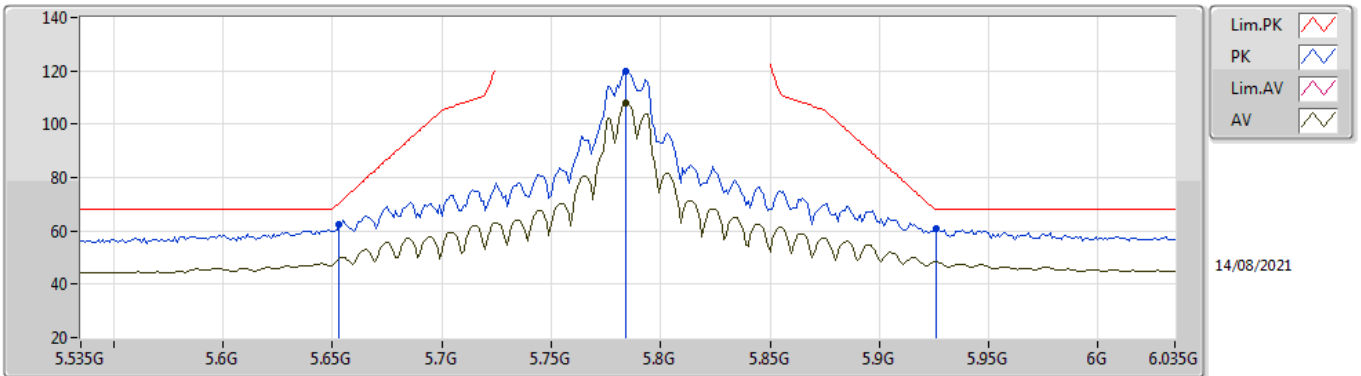


EUT V_2TX
Setting 25.5
02-B-K-5

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	11.4946G	61.84	74.00	-12.16	48.45	3	Horizontal	244	2.12	-	38.99	7.62	33.22
AV	11.4938G	48.48	54.00	-5.52	35.09	3	Horizontal	244	2.12	-	38.99	7.62	33.22

802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TnomVnom

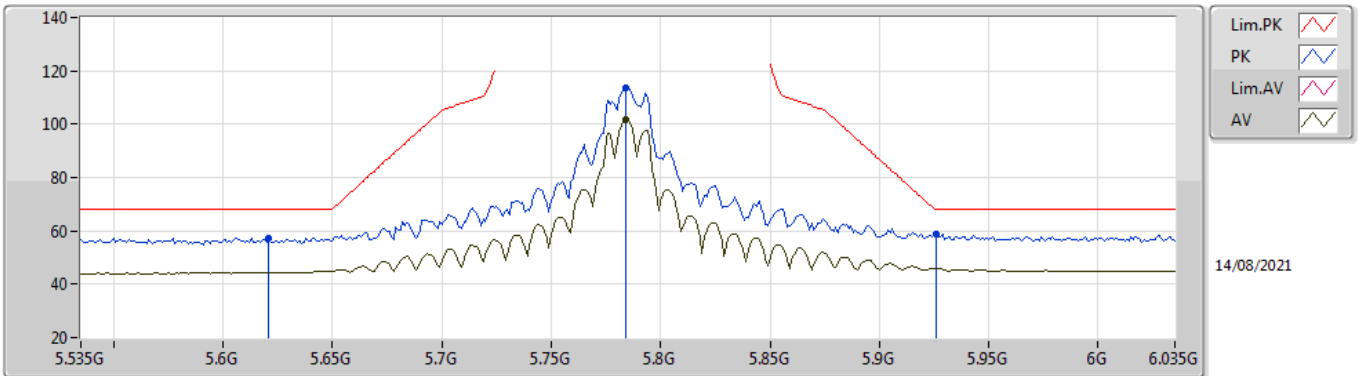


EUT V_2TX
Setting 26
02-B-K-5-10

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	5.653G	62.65	70.42	-7.77	55.85	3	Vertical	179	1.63	-	33.79	5.15	32.14
PK	5.784G	119.90	Inf	-Inf	113.30	3	Vertical	179	1.63	-	33.73	5.02	32.15
AV	5.784G	107.80	Inf	-Inf	101.20	3	Vertical	179	1.63	-	33.73	5.02	32.15
PK	5.926G	60.72	68.20	-7.48	53.45	3	Vertical	179	1.63	-	34.05	5.38	32.16

802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TnomVnom

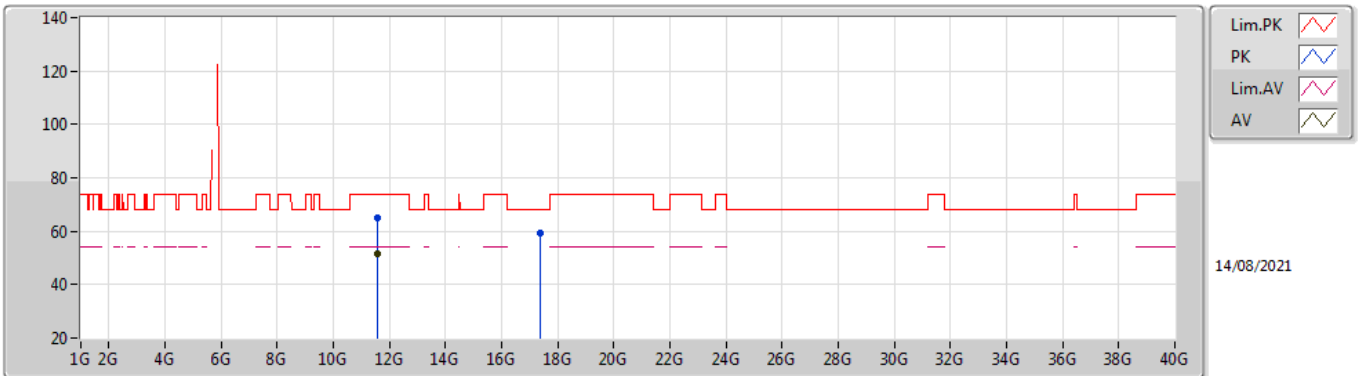


EUT V_2TX
Setting 26
02-B-K-5-10

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	5.621G	57.22	68.20	-10.98	50.32	3	Horizontal	15	2.32	-	33.86	5.18	32.14	
PK	5.784G	113.67	Inf	-Inf	107.07	3	Horizontal	15	2.32	-	33.73	5.02	32.15	
AV	5.784G	101.81	Inf	-Inf	95.21	3	Horizontal	15	2.32	-	33.73	5.02	32.15	
PK	5.926G	58.80	68.20	-9.40	51.53	3	Horizontal	15	2.32	-	34.05	5.38	32.16	

802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TnomVnom

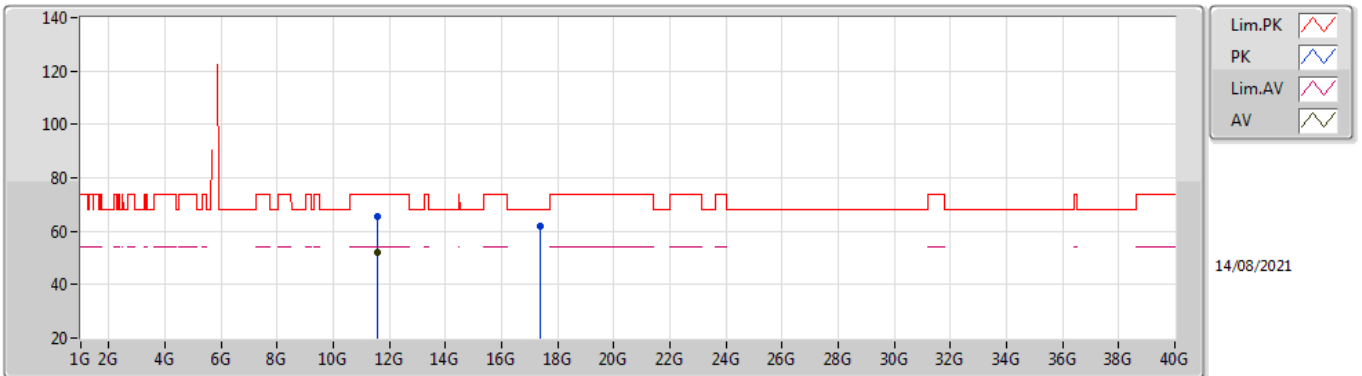


EUT V_2TX
Setting 26
02-B-K-5

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	11.5765G	65.24	74.00	-8.76	51.60	3	Vertical	218	1.90	-	39.23	7.65	33.24
AV	11.576G	51.47	54.00	-2.53	37.83	3	Vertical	218	1.90	-	39.23	7.65	33.24
PK	17.3741G	59.51	68.20	-8.69	40.39	3	Vertical	338	2.64	-	42.89	9.34	33.11

802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TnomVnom

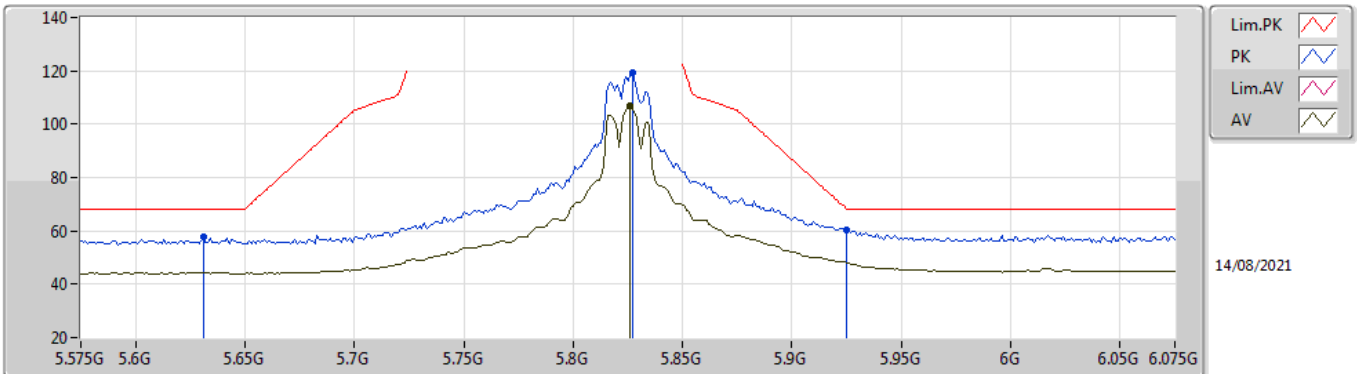


EUT_V_2TX
Setting 26
02-B-K-5

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	11.5738G	65.28	74.00	-8.72	51.65	3	Horizontal	245	1.77	-	39.22	7.65	33.24	
AV	11.5728G	52.10	54.00	-1.90	38.47	3	Horizontal	245	1.77	-	39.22	7.65	33.24	
PK	17.3596G	61.68	68.20	-6.52	42.69	3	Horizontal	360	1.97	-	42.78	9.34	33.13	

802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TnomVnom

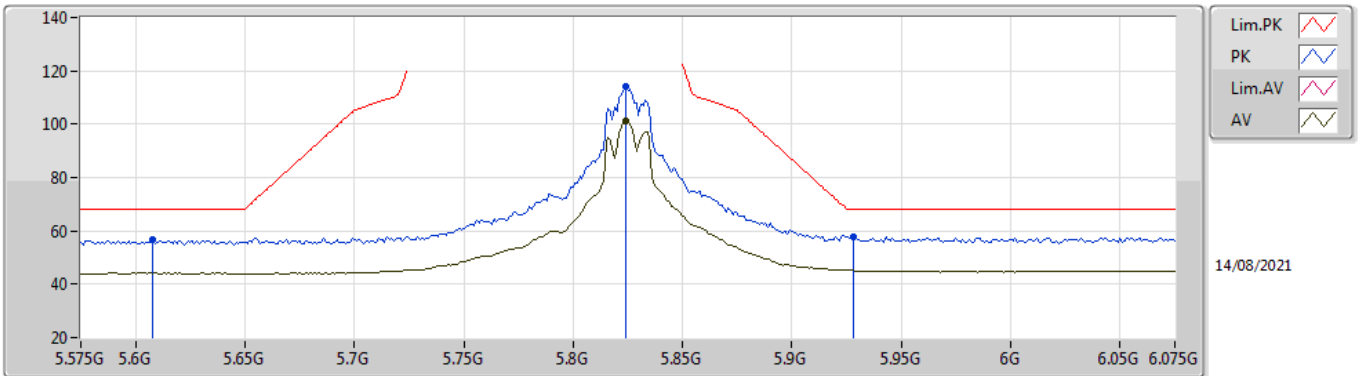


EUT V_2TX
Setting 24
02-B-K-5-10

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	5.631G	57.89	68.20	-10.31	51.02	3	Vertical	32	2.20	-	33.84	5.17	32.14	
PK	5.827G	119.47	Inf	-Inf	112.79	3	Vertical	32	2.20	-	33.75	5.08	32.15	
AV	5.826G	106.73	Inf	-Inf	100.05	3	Vertical	32	2.20	-	33.75	5.08	32.15	
PK	5.925G	60.26	68.20	-7.94	52.99	3	Vertical	32	2.20	-	34.05	5.38	32.16	

802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TnomVnom

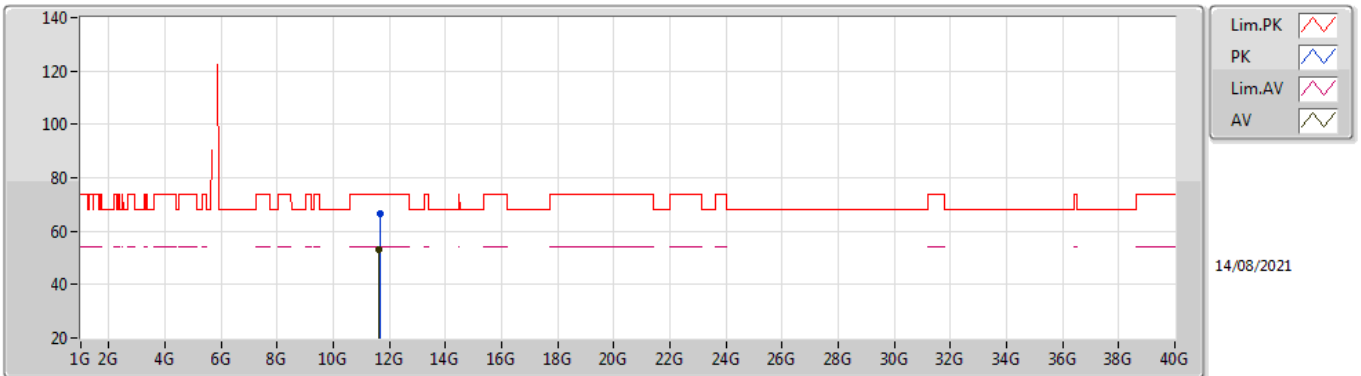


EUT V_2TX
Setting 24
02-B-K-5-10

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	5.608G	56.93	68.20	-11.27	50.00	3	Horizontal	19	2.55	-	33.88	5.19	32.14	
PK	5.824G	114.37	Inf	-Inf	107.70	3	Horizontal	19	2.55	-	33.75	5.07	32.15	
AV	5.824G	101.14	Inf	-Inf	94.47	3	Horizontal	19	2.55	-	33.75	5.07	32.15	
PK	5.928G	57.86	68.20	-10.34	50.58	3	Horizontal	19	2.55	-	34.06	5.38	32.16	

802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TnomVnom

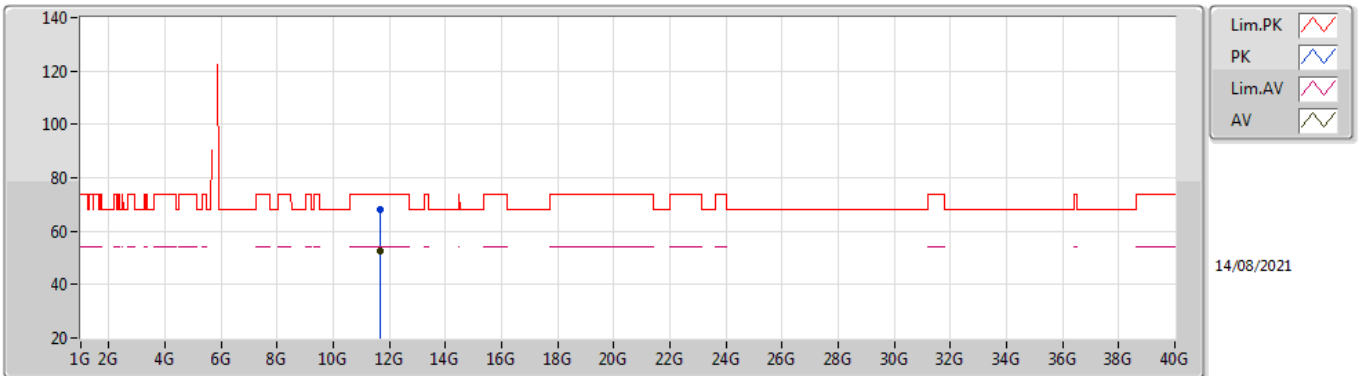


EUT_V_2TX
Setting 24
02-B-K-5

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	11.6477G	66.70	74.00	-7.30	52.93	3	Vertical	218	1.91	-	39.35	7.68	33.26
AV	11.6469G	53.31	54.00	-0.69	39.54	3	Vertical	218	1.91	-	39.35	7.68	33.26

802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TnomVnom

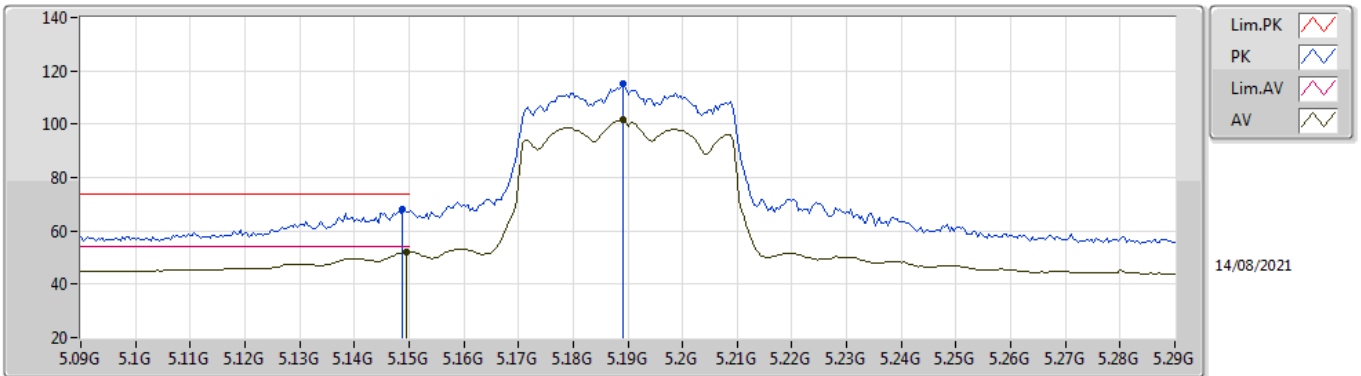


EUT_V_2TX
Setting 24
02-B-K-5

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	11.6526G	67.88	74.00	-6.12	54.11	3	Horizontal	243	2.02	-	39.35	7.68	33.26
AV	11.6518G	52.82	54.00	-1.18	39.05	3	Horizontal	243	2.02	-	39.35	7.68	33.26

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TnomVnom

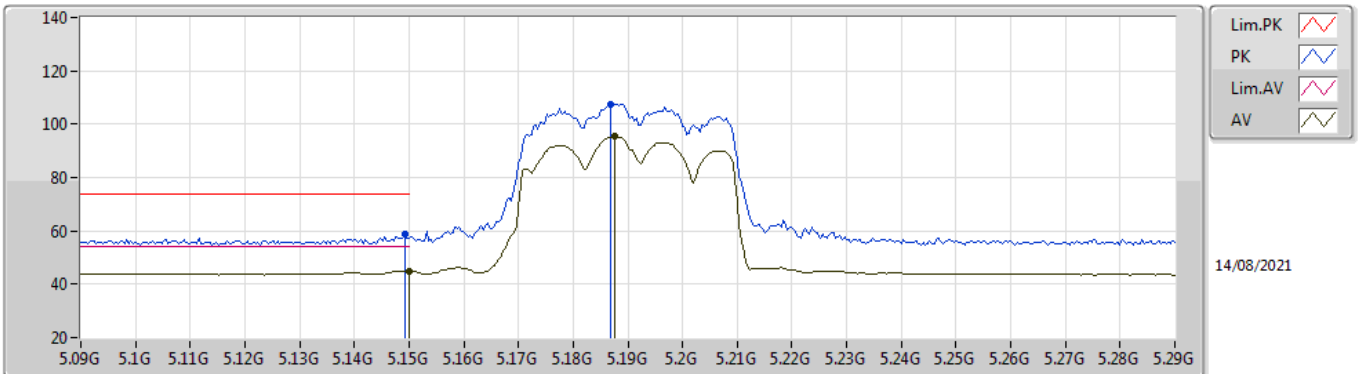


EUT V_2TX
Setting 21
02-B-K-5-10

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	5.1488G	67.95	74.00	-6.05	61.60	3	Vertical	211	1.92	-	33.50	5.00	32.15	
AV	5.1496G	51.95	54.00	-2.05	45.60	3	Vertical	211	1.92	-	33.50	5.00	32.15	
PK	5.1892G	115.15	Inf	-Inf	108.72	3	Vertical	211	1.92	-	33.50	5.08	32.15	
AV	5.1892G	101.74	Inf	-Inf	95.31	3	Vertical	211	1.92	-	33.50	5.08	32.15	

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TnomVnom

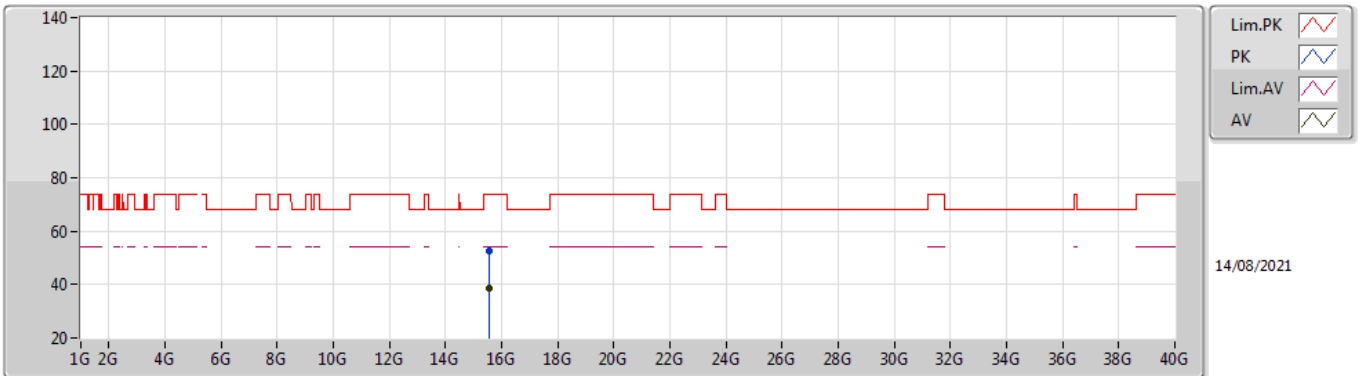


EUT V_2TX
Setting 21
02-B-K-5-10

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	5.1492G	58.54	74.00	-15.46	52.19	3	Horizontal	5	2.96	-	33.50	5.00	32.15
AV	5.15G	44.96	54.00	-9.04	38.61	3	Horizontal	5	2.96	-	33.50	5.00	32.15
PK	5.1868G	107.56	Inf	-Inf	101.14	3	Horizontal	5	2.96	-	33.50	5.07	32.15
AV	5.1876G	95.28	Inf	-Inf	88.85	3	Horizontal	5	2.96	-	33.50	5.08	32.15

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TnomVnom

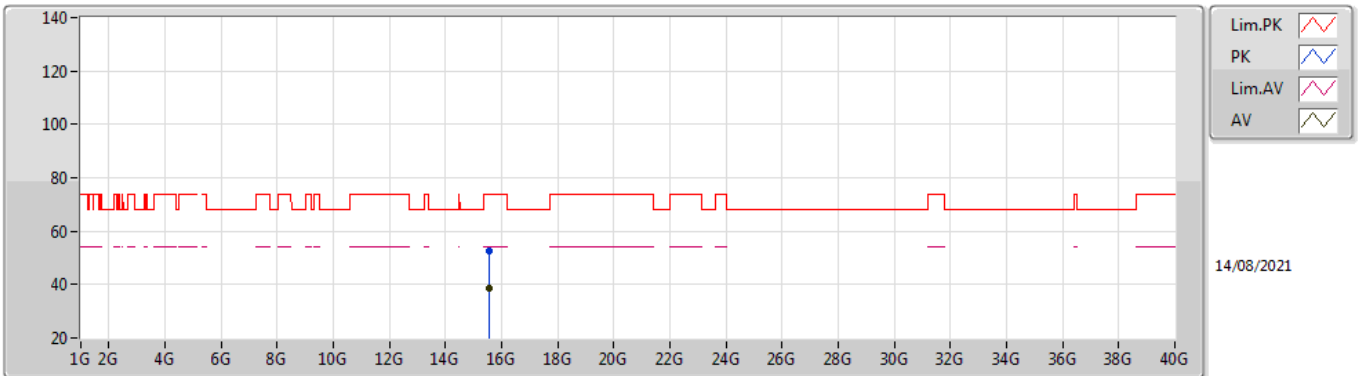


EUT_V_2TX
Setting 21
02-B-K-5

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	15.5704G	52.73	74.00	-21.27	39.22	3	Vertical	203	1.72	-	37.69	9.05	33.23
AV	15.57024G	38.48	54.00	-15.52	24.97	3	Vertical	203	1.72	-	37.69	9.05	33.23

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TnomVnom

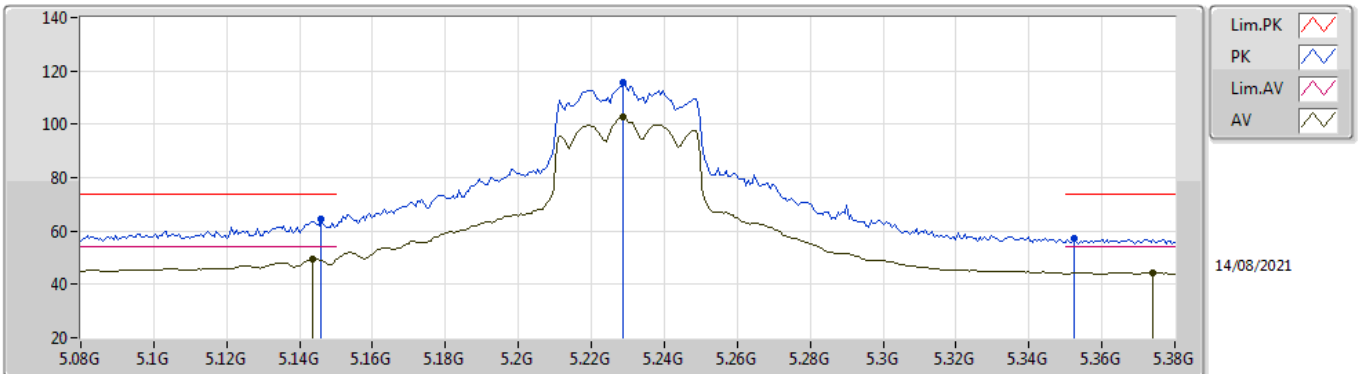


EUT V_2TX
Setting 21
02-B-K-5

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	15.57952G	52.56	74.00	-21.44	39.09	3	Horizontal	224	1.80	-	37.66	9.05	33.24
AV	15.57452G	38.39	54.00	-15.61	24.90	3	Horizontal	224	1.80	-	37.68	9.05	33.24

802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TnomVnom

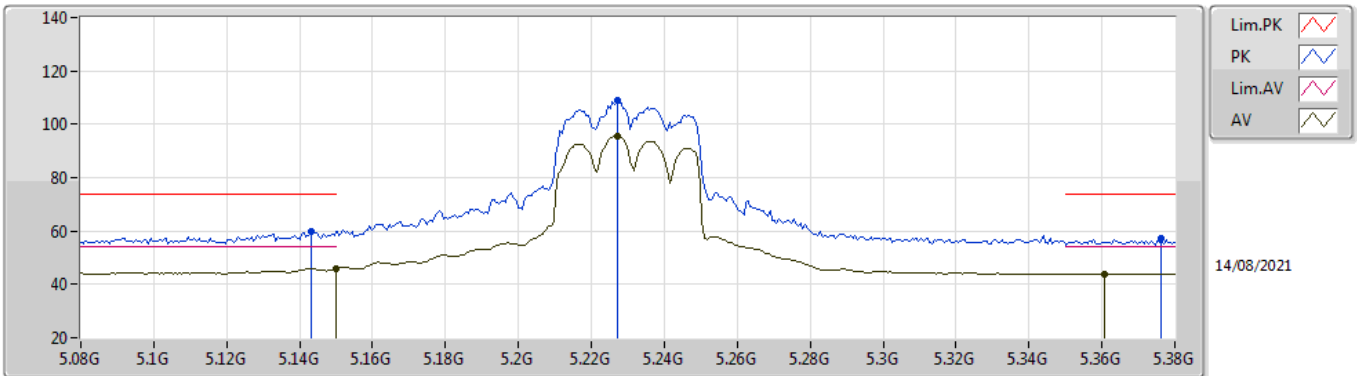


EUT V_2TX
Setting 23
02-B-K-5-10

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	5.146G	64.41	74.00	-9.59	58.07	3	Vertical	212	2.00	-	33.50	4.99	32.15
AV	5.1436G	49.60	54.00	-4.40	43.26	3	Vertical	212	2.00	-	33.50	4.99	32.15
PK	5.2288G	115.91	Inf	-Inf	109.41	3	Vertical	212	2.00	-	33.56	5.09	32.15
AV	5.2288G	102.69	Inf	-Inf	96.19	3	Vertical	212	2.00	-	33.56	5.09	32.15
PK	5.3524G	57.41	74.00	-16.59	50.83	3	Vertical	212	2.00	-	33.70	5.02	32.14
AV	5.374G	44.35	54.00	-9.65	37.73	3	Vertical	212	2.00	-	33.75	5.01	32.14

802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TnomVnom

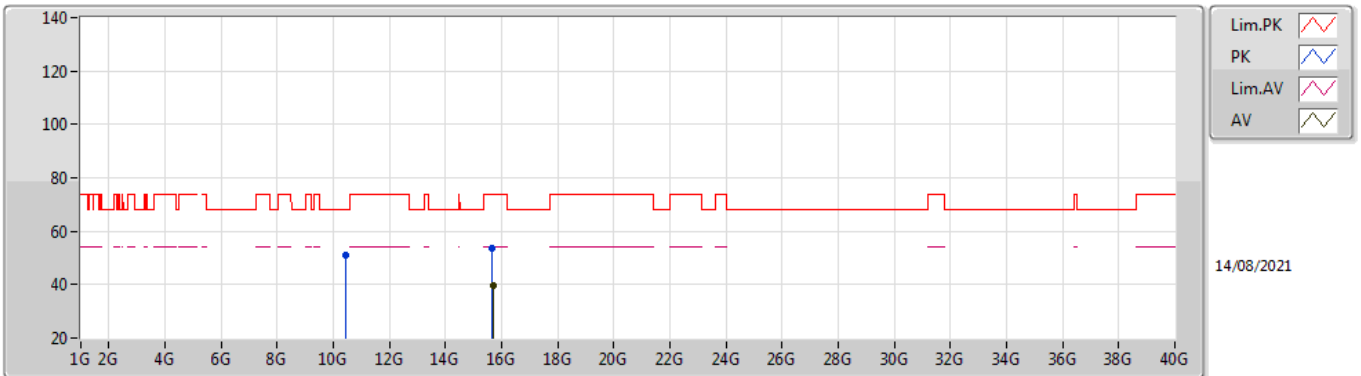


EUT_V_2TX
Setting 23
02-B-K-5-10

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	5.143G	60.02	74.00	-13.98	53.68	3	Horizontal	0	2.65	-	33.50	4.99	32.15
AV	5.15G	45.95	54.00	-8.05	39.60	3	Horizontal	0	2.65	-	33.50	5.00	32.15
PK	5.227G	109.03	Inf	-Inf	102.54	3	Horizontal	0	2.65	-	33.55	5.09	32.15
AV	5.227G	95.63	Inf	-Inf	89.14	3	Horizontal	0	2.65	-	33.55	5.09	32.15
PK	5.3764G	57.00	74.00	-17.00	50.38	3	Horizontal	0	2.65	-	33.75	5.01	32.14
AV	5.3608G	43.95	54.00	-10.05	37.35	3	Horizontal	0	2.65	-	33.72	5.02	32.14

802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TnomVnom

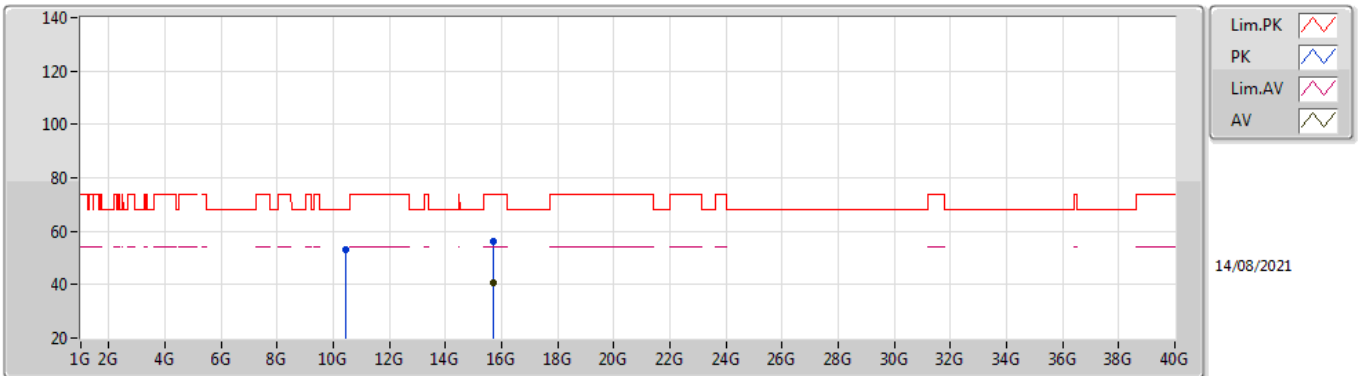


EUT_V_2TX
Setting 23
02-B-K-5

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	10.463G	51.26	68.20	-16.94	38.63	3	Vertical	46	2.08	-	38.40	7.26	33.03
PK	15.67838G	53.83	74.00	-20.17	40.66	3	Vertical	207	1.79	-	37.44	9.09	33.36
AV	15.69014G	39.68	54.00	-14.32	26.54	3	Vertical	207	1.79	-	37.42	9.09	33.37

802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TnomVnom

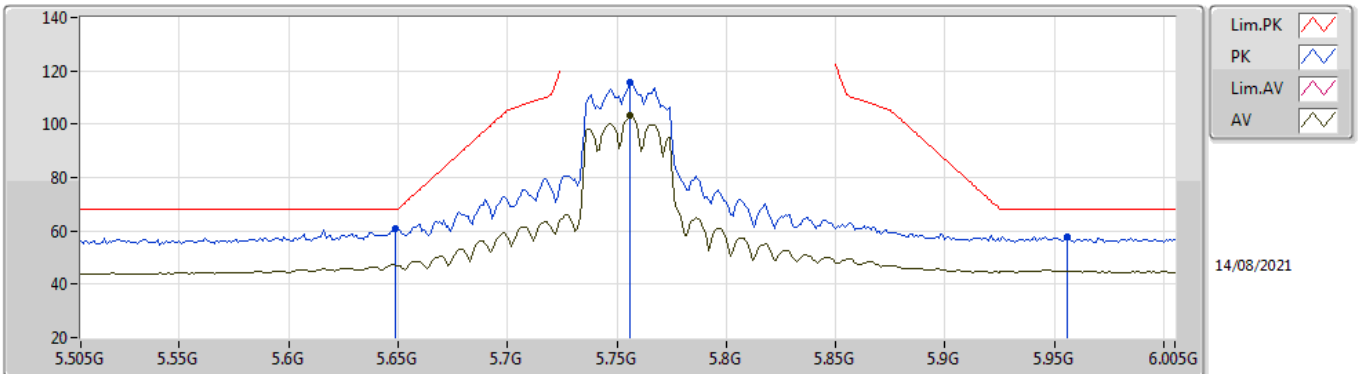


EUT V_2TX
Setting 23
02-B-K-5

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	10.46G	52.99	68.20	-15.21	40.35	3	Horizontal	255	2.13	-	38.40	7.26	33.02
PK	15.69056G	56.08	74.00	-17.92	42.94	3	Horizontal	251	1.85	-	37.42	9.09	33.37
AV	15.69056G	40.67	54.00	-13.33	27.53	3	Horizontal	251	1.85	-	37.42	9.09	33.37

802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TnomVnom

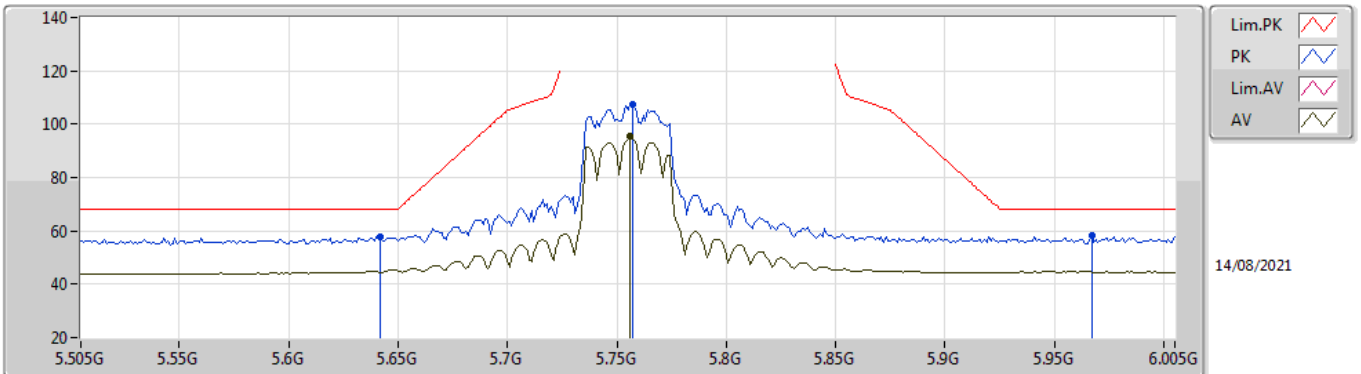


EUT V_2TX
Setting 23
02-B-K-5-10

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	60.62	68.20	-7.58	53.81	3	Vertical	357	2.55	-	33.80	5.15	32.14	
PK	5.756G	115.67	Inf	-Inf	108.99	3	Vertical	357	2.55	-	33.79	5.04	32.15	
AV	5.756G	103.27	Inf	-Inf	96.59	3	Vertical	357	2.55	-	33.79	5.04	32.15	
PK	5.956G	57.89	68.20	-10.31	50.48	3	Vertical	357	2.55	-	34.10	5.47	32.16	

802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TnomVnom

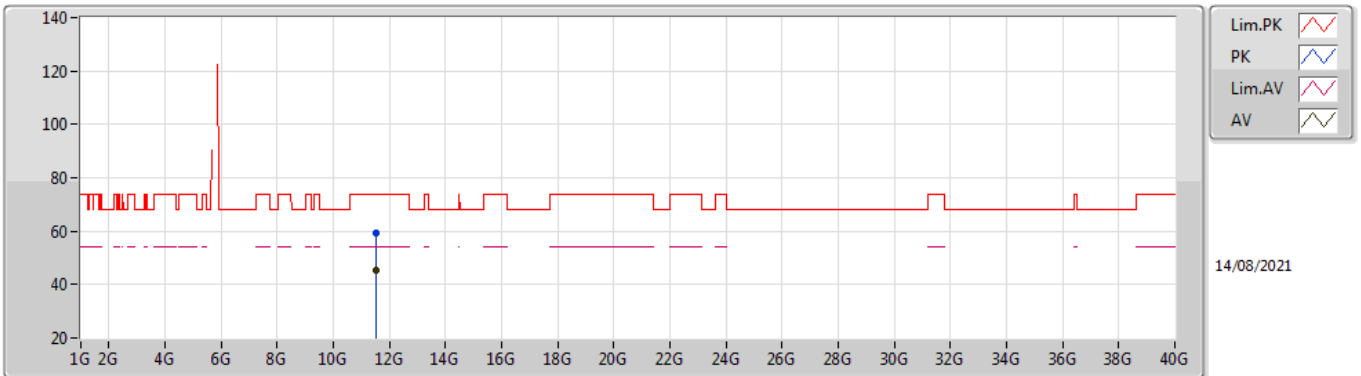


EUT V_2TX
Setting 23
02-B-K-5-10

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	5.642G	57.77	68.20	-10.43	50.93	3	Horizontal	17	1.00	-	33.82	5.16	32.14	
PK	5.757G	107.67	Inf	-Inf	100.99	3	Horizontal	17	1.00	-	33.79	5.04	32.15	
AV	5.756G	95.45	Inf	-Inf	88.77	3	Horizontal	17	1.00	-	33.79	5.04	32.15	
PK	5.967G	58.03	68.20	-10.17	50.59	3	Horizontal	17	1.00	-	34.10	5.50	32.16	

802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TnomVnom

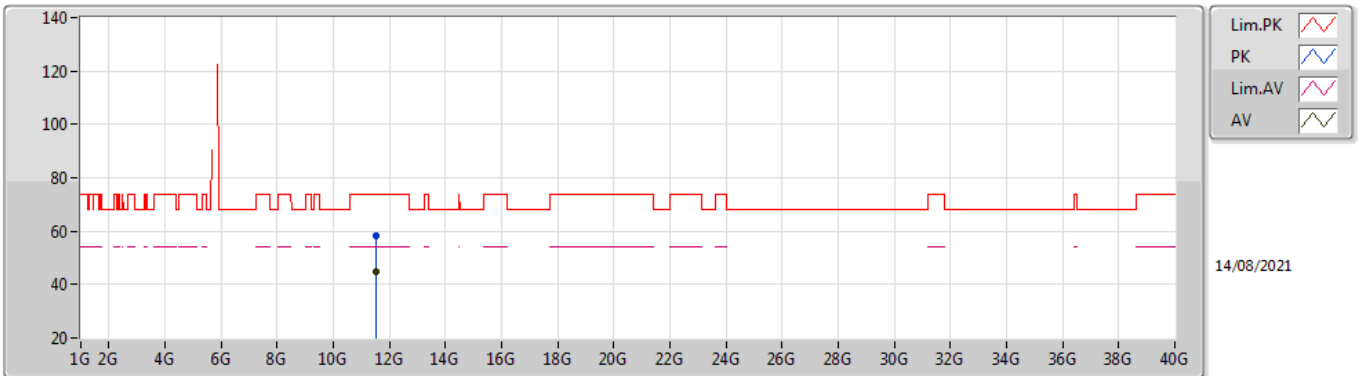


EUT V_2TX
Setting 23
02-B-K-5

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	11.50832G	59.54	74.00	-14.46	46.11	3	Vertical	219	1.92	-	39.02	7.63	33.22
AV	11.517G	45.33	54.00	-8.67	31.87	3	Vertical	219	1.92	-	39.05	7.63	33.22

802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TnomVnom

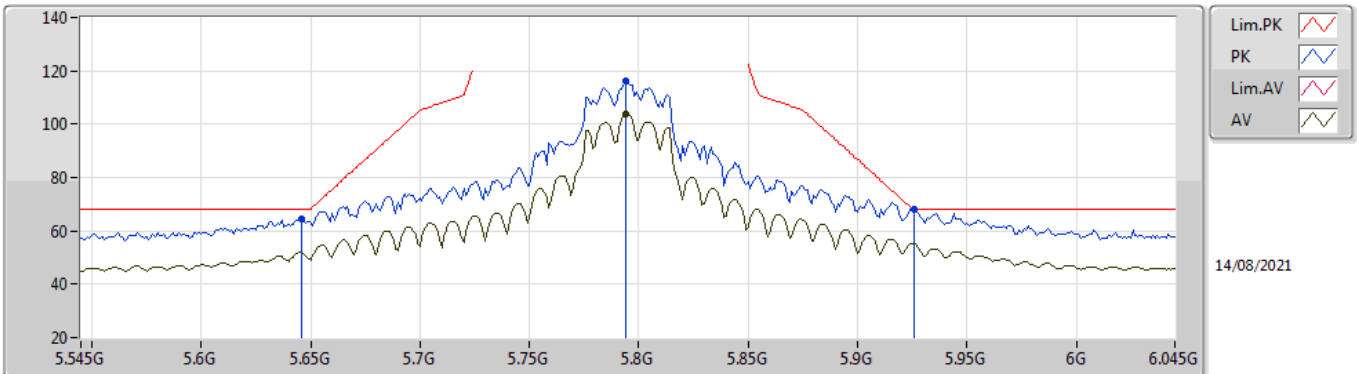


EUT_V_2TX
Setting 23
02-B-K-5

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	11.51182G	58.44	74.00	-15.56	44.99	3	Horizontal	245	2.00	-	39.04	7.63	33.22
AV	11.51224G	44.73	54.00	-9.27	31.28	3	Horizontal	245	2.00	-	39.04	7.63	33.22

802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TnomVnom

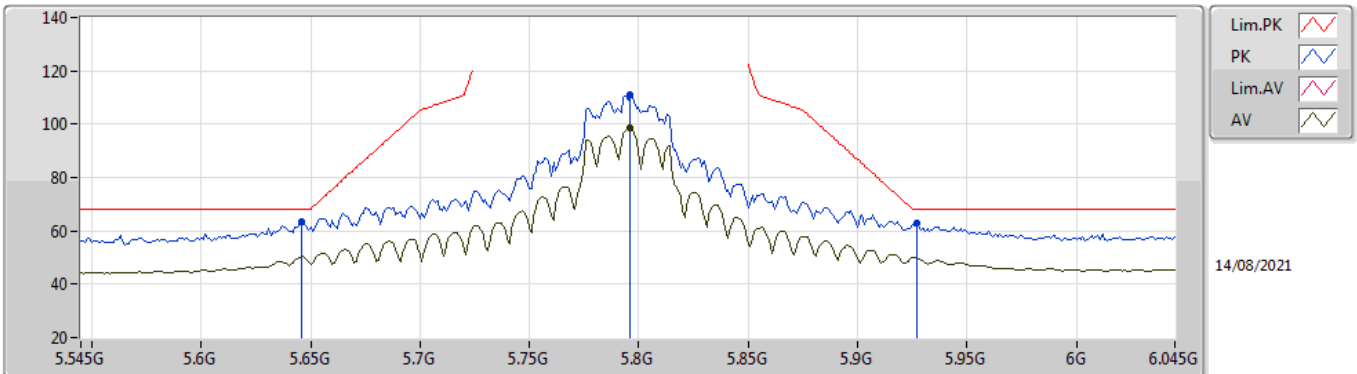


EUT V_2TX
Setting 25
02-B-K-5-10

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	64.44	68.20	-3.76	57.62	3	Vertical	349	1.80	-	33.81	5.15	32.14	
PK	5.794G	116.16	Inf	-Inf	109.59	3	Vertical	349	1.80	-	33.71	5.01	32.15	
AV	5.794G	103.86	Inf	-Inf	97.29	3	Vertical	349	1.80	-	33.71	5.01	32.15	
PK	5.926G	68.19	68.20	-0.01	60.92	3	Vertical	349	1.80	-	34.05	5.38	32.16	

802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TnomVnom

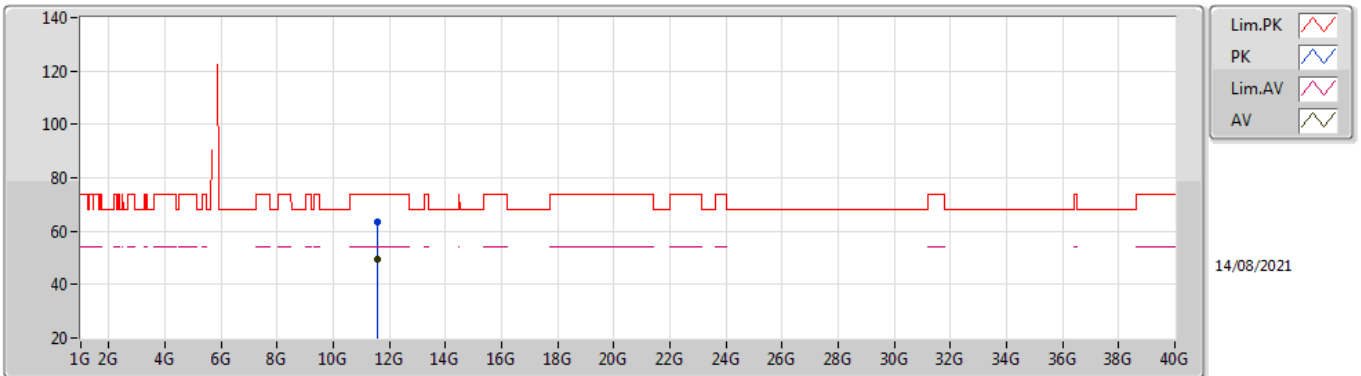


EUT V_2TX
Setting 25
02-B-K-5-10

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	63.28	68.20	-4.92	56.46	3	Horizontal	14	1.11	-	33.81	5.15	32.14	
PK	5.796G	111.02	Inf	-Inf	104.46	3	Horizontal	14	1.11	-	33.71	5.00	32.15	
AV	5.796G	98.68	Inf	-Inf	92.12	3	Horizontal	14	1.11	-	33.71	5.00	32.15	
PK	5.927G	62.80	68.20	-5.40	55.53	3	Horizontal	14	1.11	-	34.05	5.38	32.16	

802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TnomVnom

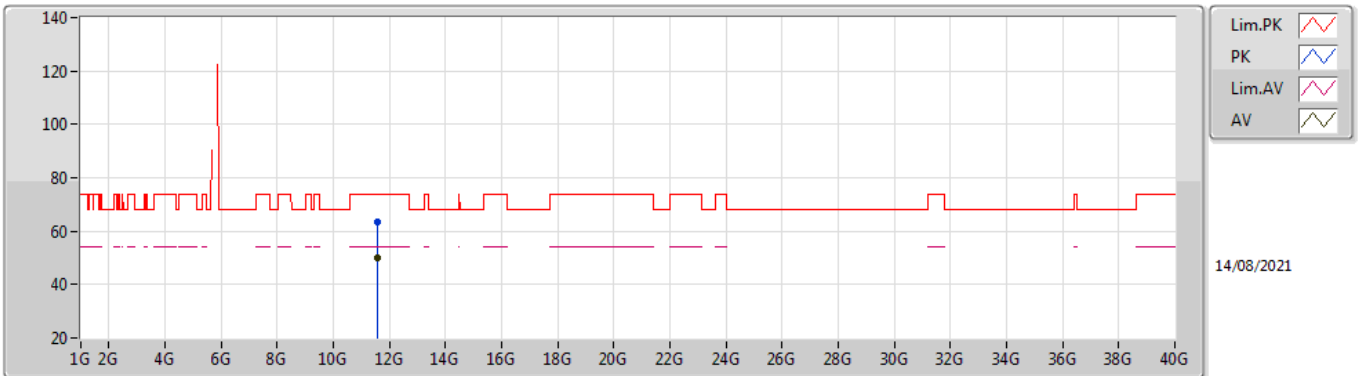


EUT V_2TX
Setting 25
02-B-K-5

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	11.59602G	63.26	74.00	-10.74	49.55	3	Vertical	220	1.90	-	39.29	7.66	33.24
AV	11.5963G	49.37	54.00	-4.63	35.67	3	Vertical	220	1.90	-	39.29	7.66	33.25

802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TnomVnom

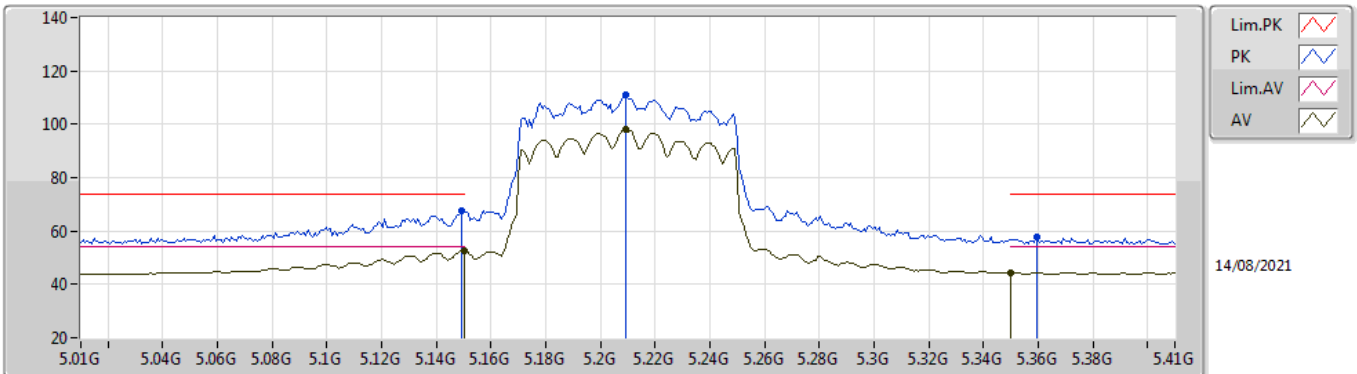


EUT V_2TX
Setting 25
02-B-K-5

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	11.59308G	63.50	74.00	-10.50	49.80	3	Horizontal	242	2.07	-	39.28	7.66	33.24	
AV	11.59238G	49.76	54.00	-4.24	36.06	3	Horizontal	242	2.07	-	39.28	7.66	33.24	

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TnomVnom

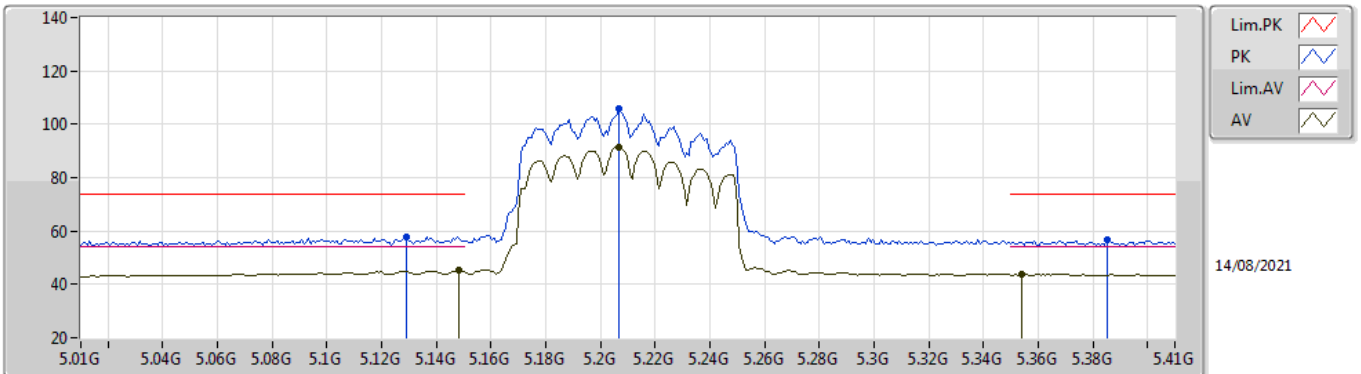


EUT V_2TX
Setting 21
02-B-K-5-10

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	5.1492G	67.63	74.00	-6.37	61.28	3	Vertical	210	2.00	-	33.50	5.00	32.15
AV	5.15G	52.52	54.00	-1.48	46.17	3	Vertical	210	2.00	-	33.50	5.00	32.15
PK	5.2092G	110.78	Inf	-Inf	104.31	3	Vertical	210	2.00	-	33.52	5.10	32.15
AV	5.2092G	98.23	Inf	-Inf	91.76	3	Vertical	210	2.00	-	33.52	5.10	32.15
PK	5.3596G	57.84	74.00	-16.16	51.24	3	Vertical	210	2.00	-	33.72	5.02	32.14
AV	5.35G	44.34	54.00	-9.66	37.75	3	Vertical	210	2.00	-	33.70	5.03	32.14

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TnomVnom

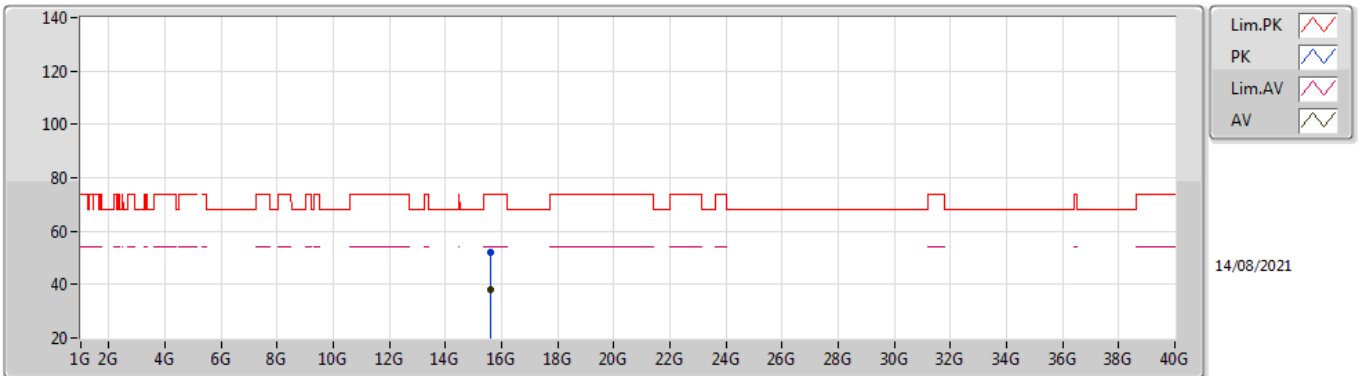


EUT_V_2TX
Setting 21
02-B-K-5-10

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	5.1292G	57.92	74.00	-16.08	51.61	3	Horizontal	360	2.95	-	33.50	4.96	32.15
AV	5.1484G	45.23	54.00	-8.77	38.88	3	Horizontal	360	2.95	-	33.50	5.00	32.15
PK	5.2068G	105.70	Inf	-Inf	99.24	3	Horizontal	360	2.95	-	33.51	5.10	32.15
AV	5.2068G	91.58	Inf	-Inf	85.12	3	Horizontal	360	2.95	-	33.51	5.10	32.15
PK	5.3852G	56.69	74.00	-17.31	50.05	3	Horizontal	360	2.95	-	33.77	5.01	32.14
AV	5.354G	43.71	54.00	-10.29	37.12	3	Horizontal	360	2.95	-	33.71	5.02	32.14

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TnomVnom

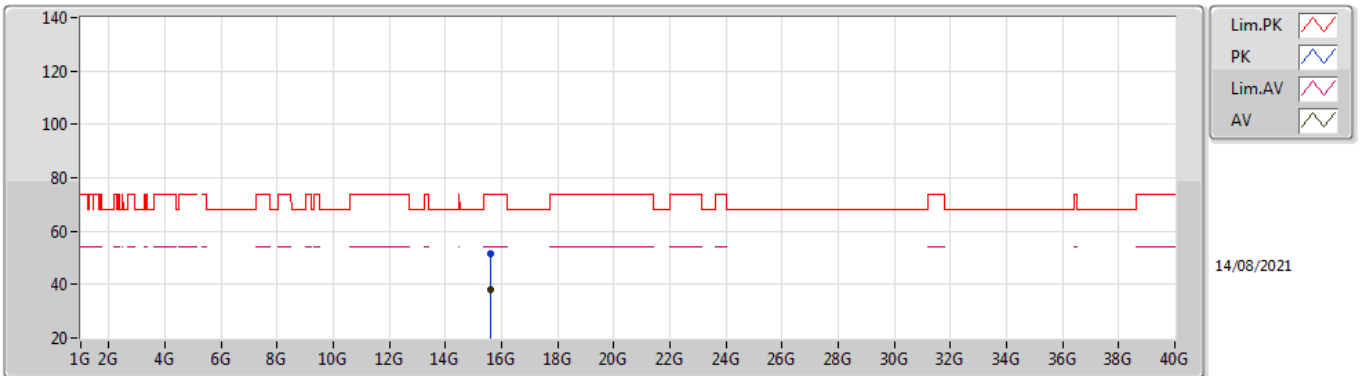


EUT V_2TX
Setting 21
02-B-K-5

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	15.62832G	51.88	74.00	-22.12	38.57	3	Vertical	190	2.97	-	37.54	9.07	33.30
AV	15.6272G	38.16	54.00	-15.84	24.84	3	Vertical	190	2.97	-	37.55	9.07	33.30

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TnomVnom

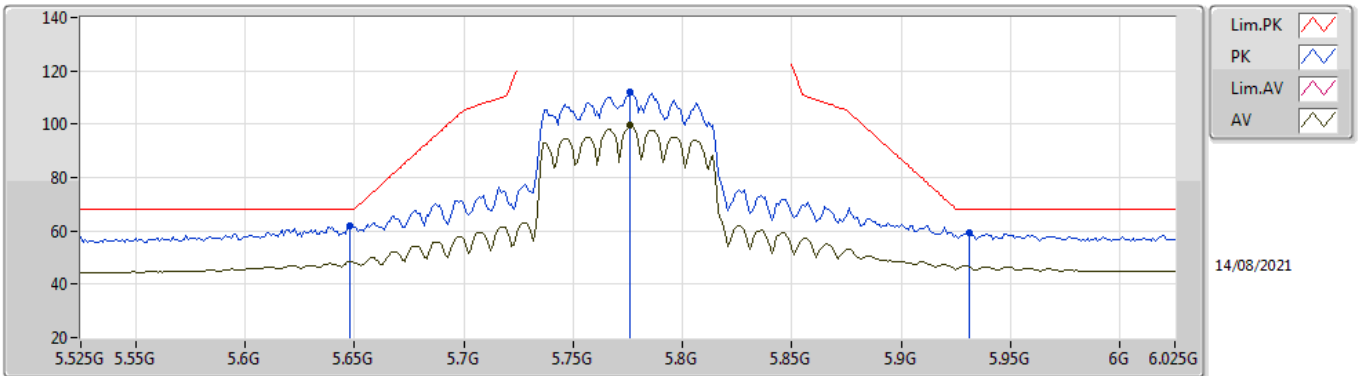


EUT_V_2TX
Setting 21
02-B-K-5

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	15.63084G	51.62	74.00	-22.38	38.31	3	Horizontal	212	1.86	-	37.54	9.07	33.30
AV	15.63054G	38.02	54.00	-15.98	24.71	3	Horizontal	212	1.86	-	37.54	9.07	33.30

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TnomVnom

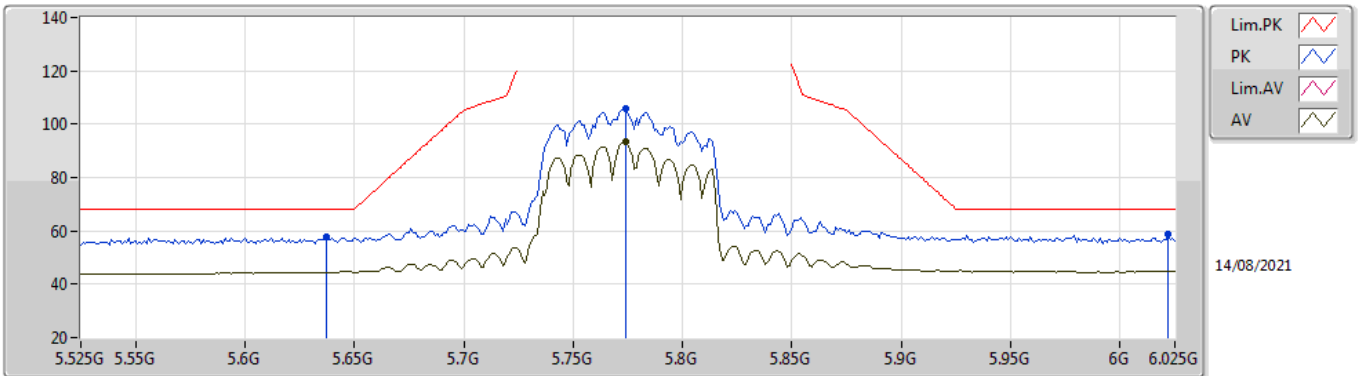


EUT_V_2TX
Setting 23
02-B-K-5-10

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	61.81	68.20	-6.39	55.00	3	Vertical	356	2.33	-	33.80	5.15	32.14	
PK	5.776G	111.93	Inf	-Inf	105.31	3	Vertical	356	2.33	-	33.75	5.02	32.15	
AV	5.776G	99.51	Inf	-Inf	92.89	3	Vertical	356	2.33	-	33.75	5.02	32.15	
PK	5.931G	59.28	68.20	-8.92	51.99	3	Vertical	356	2.33	-	34.06	5.39	32.16	

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TnomVnom

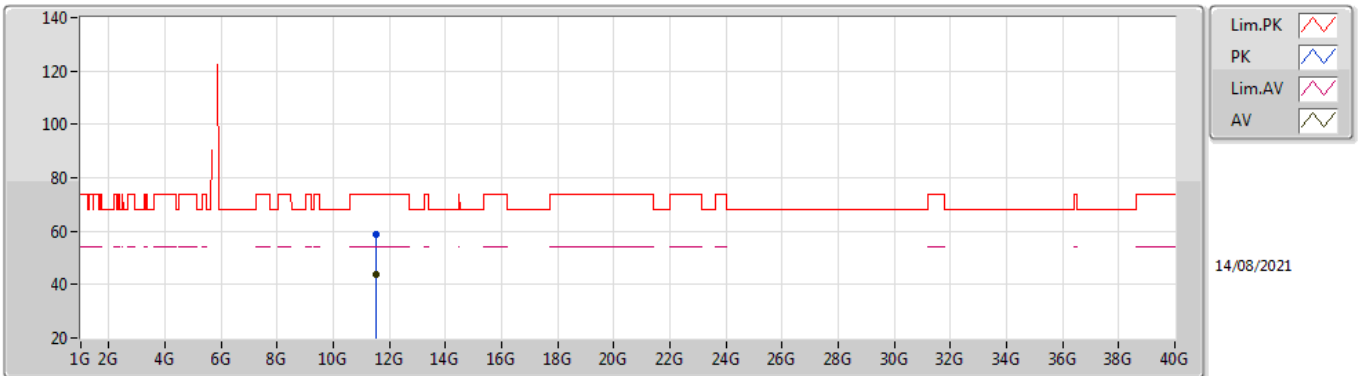


EUT V_2TX
Setting 23
02-B-K-5-10

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	5.637G	57.95	68.20	-10.25	51.10	3	Horizontal	13	2.71	-	33.83	5.16	32.14
PK	5.774G	106.10	Inf	-Inf	99.47	3	Horizontal	13	2.71	-	33.75	5.03	32.15
AV	5.774G	93.50	Inf	-Inf	86.87	3	Horizontal	13	2.71	-	33.75	5.03	32.15
PK	6.022G	58.78	68.20	-9.42	51.18	3	Horizontal	13	2.71	-	34.19	5.57	32.16

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TnomVnom

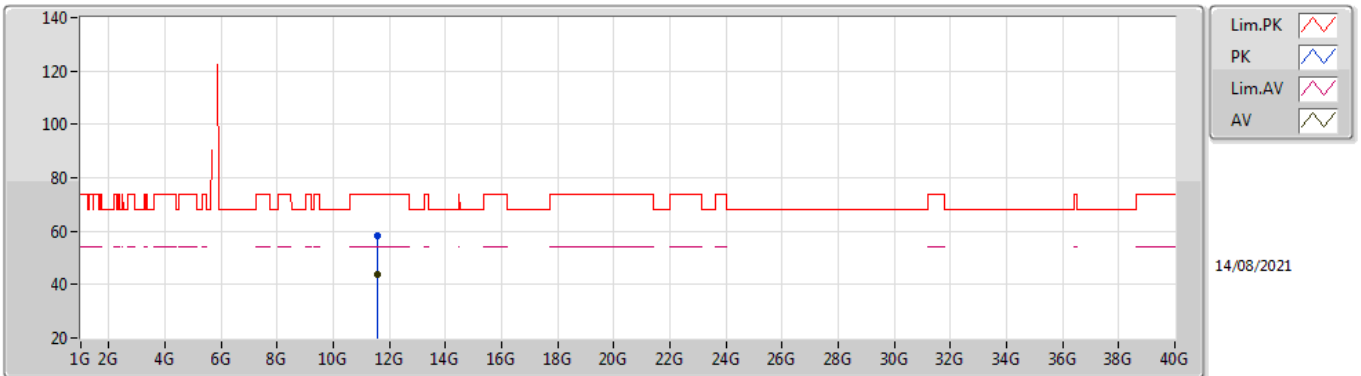


EUT V_2TX
Setting 23
02-B-K-5

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	11.547G	58.70	74.00	-15.30	45.15	3	Vertical	218	1.91	-	39.14	7.64	33.23	
AV	11.548G	43.66	54.00	-10.34	30.11	3	Vertical	218	1.91	-	39.14	7.64	33.23	

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TnomVnom

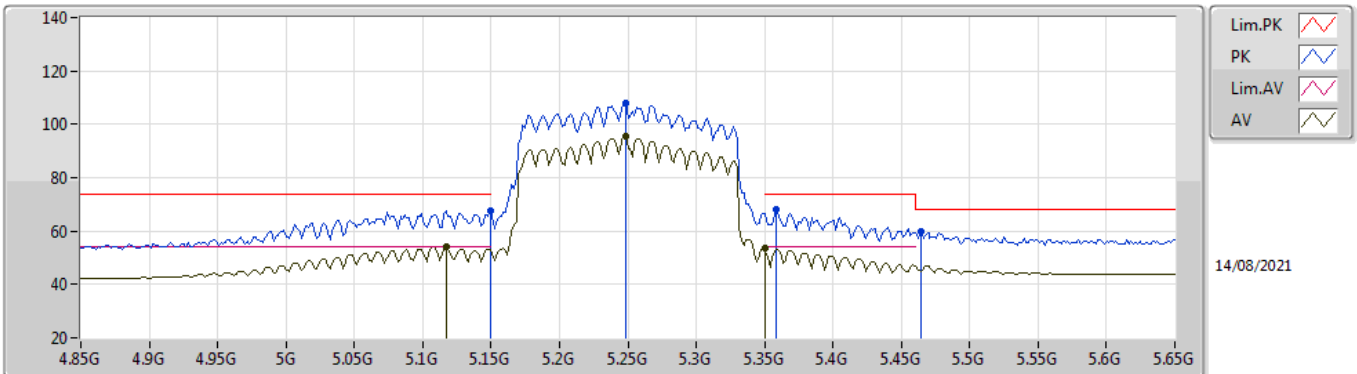


EUT V_2TX
Setting 23
02-B-K-5

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	11.5532G	58.10	74.00	-15.90	44.53	3	Horizontal	243	2.06	-	39.16	7.64	33.23
AV	11.552G	43.74	54.00	-10.26	30.17	3	Horizontal	243	2.06	-	39.16	7.64	33.23

802.11ax HEW160_Nss1,(MCS0)_2TX

5250MHz Straddle 5.25-5.35GHz_TnomVnom

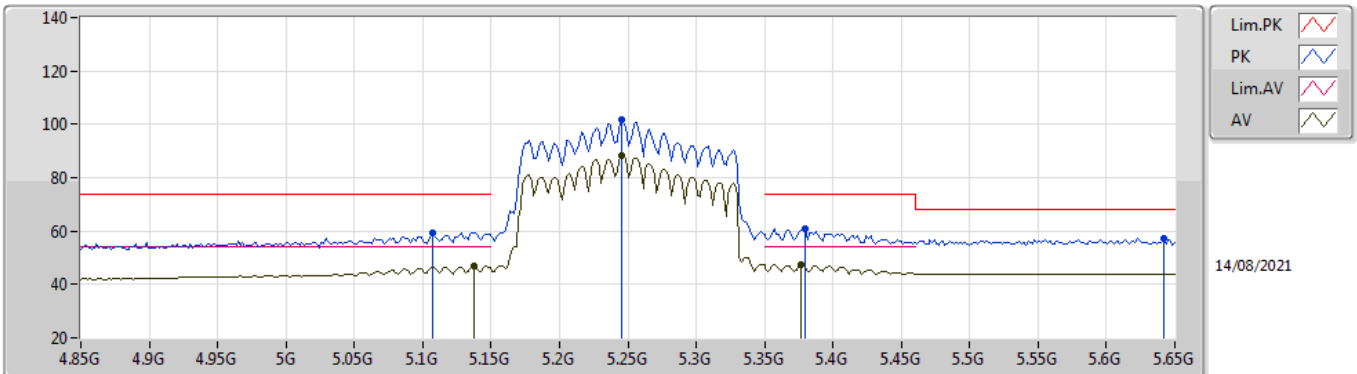


EUT_V_2TX
Setting 21.5
02-B-K-5-10

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	5.1492G	67.51	74.00	-6.49	61.16	3	Vertical	215	1.86	-	33.50	5.00	32.15
AV	5.1172G	53.99	54.00	-0.01	47.71	3	Vertical	215	1.86	-	33.50	4.93	32.15
PK	5.2484G	108.05	Inf	-Inf	101.52	3	Vertical	215	1.86	-	33.60	5.08	32.15
AV	5.2484G	95.75	Inf	-Inf	89.22	3	Vertical	215	1.86	-	33.60	5.08	32.15
PK	5.3588G	68.22	74.00	-5.78	61.62	3	Vertical	215	1.86	-	33.72	5.02	32.14
AV	5.35G	53.58	54.00	-0.42	47.00	3	Vertical	215	1.86	-	33.70	5.02	32.14
PK	5.4644G	59.98	68.20	-8.22	53.15	3	Vertical	215	1.86	-	33.90	5.06	32.13

802.11ax HEW160_Nss1,(MCS0)_2TX

5250MHz Straddle 5.25-5.35GHz_TnomVnom

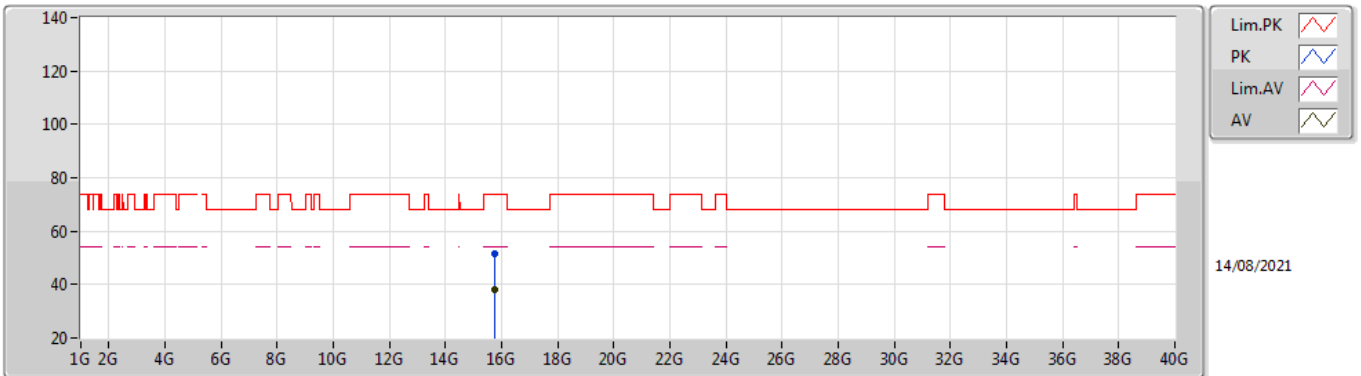


EUT_V_2TX
Setting 21.5
02-B-K-5-10

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	5.1076G	59.55	74.00	-14.45	53.28	3	Horizontal	355	2.40	-	33.50	4.92	32.15
AV	5.138G	46.77	54.00	-7.23	40.44	3	Horizontal	355	2.40	-	33.50	4.98	32.15
PK	5.2452G	101.87	Inf	-Inf	95.35	3	Horizontal	355	2.40	-	33.59	5.08	32.15
AV	5.2452G	88.52	Inf	-Inf	82.00	3	Horizontal	355	2.40	-	33.59	5.08	32.15
PK	5.3796G	61.03	74.00	-12.97	54.40	3	Horizontal	355	2.40	-	33.76	5.01	32.14
AV	5.3764G	47.31	54.00	-6.69	40.69	3	Horizontal	355	2.40	-	33.75	5.01	32.14
PK	5.642G	57.42	68.20	-10.78	50.58	3	Horizontal	355	2.40	-	33.82	5.16	32.14

802.11ax HEW160_Nss1,(MCS0)_2TX

5250MHz Straddle 5.25-5.35GHz_TnomVnom

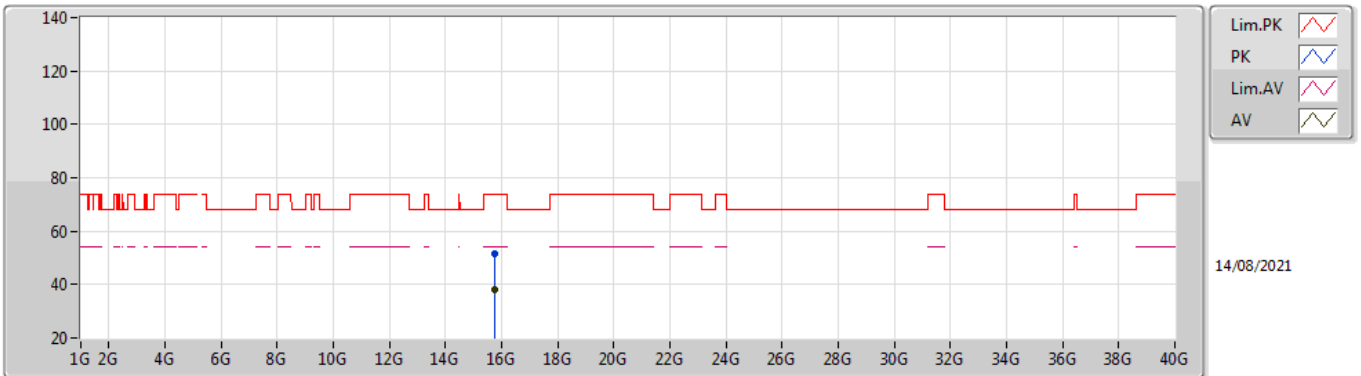


EUT Y_2TX
Setting 21.5
02-B-K-5

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	15.75258G	51.80	74.00	-22.20	38.74	3	Vertical	211	1.27	-	37.40	9.11	33.45
AV	15.75468G	38.13	54.00	-15.87	25.07	3	Vertical	211	1.27	-	37.40	9.11	33.45

802.11ax HEW160_Nss1,(MCS0)_2TX

5250MHz Straddle 5.25-5.35GHz_TnomVnom



EUT V_2TX
Setting 21.5
02-B-K-5

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	15.751G	51.74	74.00	-22.26	38.68	3	Horizontal	297	2.12	-	37.40	9.11	33.45
AV	15.75086G	38.14	54.00	-15.86	25.08	3	Horizontal	297	2.12	-	37.40	9.11	33.45



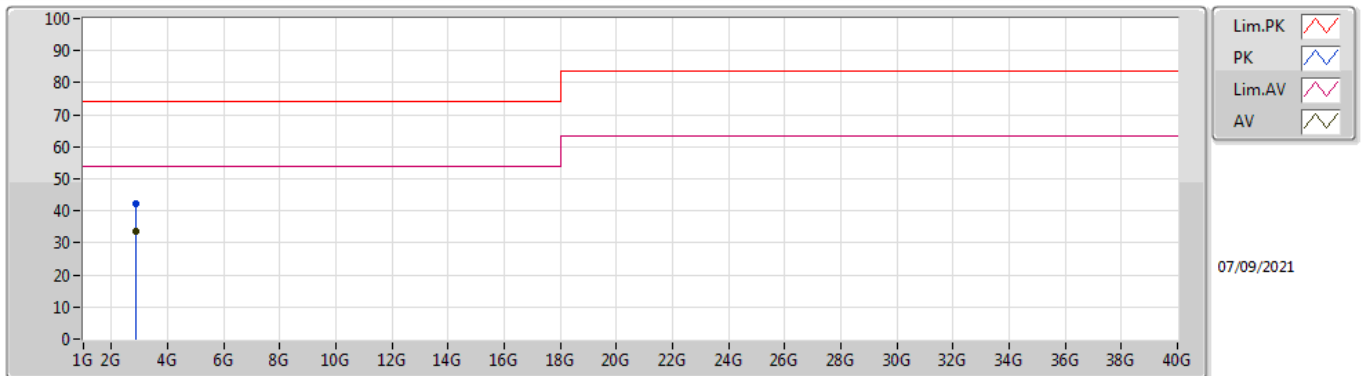
Radiated Emission Co-location Report

Appendix F

Summary

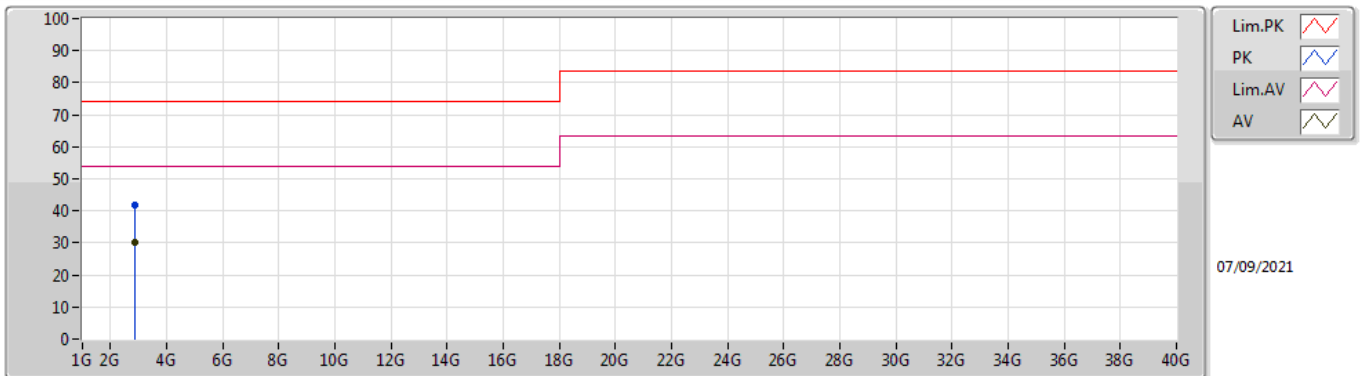
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	2.87993G	33.57	54.00	-20.43	Vertical

Mode 1



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)
AV	2.87993G	33.57	54.00	-20.43	-1.32	3	Vertical	204	1.13	"Worst"	34.89	28.26	3.70	33.28
PK	2.87993G	42.23	74.00	-31.77	-1.32	3	Vertical	204	1.13	-	43.55	28.26	3.70	33.28

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	2.88221G	41.82	74.00	-32.18	-1.32	3	Horizontal	205	1.00	-	43.14	28.26	3.70	33.28
AV	2.88007G	30.25	54.00	-23.75	-1.32	3	Horizontal	205	1.00	"Worst"	31.57	28.26	3.70	33.28