



FCC RADIO TEST REPORT

FCC ID : 2AQ68W6RT2230
Equipment : Outdoor Wireless Gateway
Brand Name : Hon Lin
Model Name : W6R-T223-001,W6B-T223-001,W6S-T223-001
Applicant : Hon Lin Technology Co., Ltd.
11F, No.32, Jihu Rd., Neihu Dist., Taipei City Taiwan
Manufacturer : Hon Lin Technology Co., Ltd.
11F, No.32, Jihu Rd., Neihu Dist., Taipei City Taiwan
Standard : 47 CFR FCC Part 15.407

The product was received on Dec. 31, 2020, and testing was started from Jan. 11, 2021 and completed on Jan. 27, 2021. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications 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. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.


Approved by: Cliff Chang

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A12_1 Ver1.2



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Conducted Output Power	PASS	-
3.4	15.407(a)	Peak Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-

Declaration of Conformity:

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

Comments and Explanations:

The 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: Sandy Chuang



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]

For Band 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	802.11ac VHT20-BF	20	2TX
5.15-5.25GHz	802.11ax HEW20	20	2TX
5.15-5.25GHz	802.11ax HEW20-BF	20	2TX
5.15-5.25GHz	802.11n HT40	40	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT40-BF	40	2TX
5.15-5.25GHz	802.11ax HEW40	40	2TX
5.15-5.25GHz	802.11ax HEW40-BF	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.15-5.25GHz	802.11ac VHT80-BF	80	2TX
5.15-5.25GHz	802.11ax HEW80	80	2TX
5.15-5.25GHz	802.11ax HEW80-BF	80	2TX

For Band 4

Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11a	20	3TX
5.725-5.85GHz	802.11n HT20	20	3TX
5.725-5.85GHz	802.11ac VHT20	20	3TX
5.725-5.85GHz	802.11ac VHT20-BF	20	3TX
5.725-5.85GHz	802.11ax HEW20	20	3TX
5.725-5.85GHz	802.11ax HEW20-BF	20	3TX
5.725-5.85GHz	802.11n HT40	40	3TX



Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11ac VHT40	40	3TX
5.725-5.85GHz	802.11ac VHT40-BF	40	3TX
5.725-5.85GHz	802.11ax HEW40	40	3TX
5.725-5.85GHz	802.11ax HEW40-BF	40	3TX
5.725-5.85GHz	802.11ac VHT80	80	3TX
5.725-5.85GHz	802.11ac VHT80-BF	80	3TX
5.725-5.85GHz	802.11ax HEW80	80	3TX
5.725-5.85GHz	802.11ax HEW80-BF	80	3TX

Note:

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



1.1.2 Antenna Information

Set	Ant.	Port			Brand	Model Name	Antenna Type	Connector	Gain (dBi)
		2.4GHz	5GHz (Band 1)	5GHz (Band 4)					
1	1	1	1	-	Shenzhen AotianChuangke	AMXF-2458-5	Omnidirectional	N Type	Note 1
	2	2	2	-	Shenzhen AotianChuangke	AMXF-2458-5	Omnidirectional	N Type	
2	3	-	-	1	Shenzhen AotianChuangke	ATCK-5800-8	Omnidirectional	N Type	
	4	-	-	2	Shenzhen AotianChuangke	ATCK-5800-8	Omnidirectional	N Type	
	5	-	-	3	Shenzhen AotianChuangke	ATCK-5800-8	Omnidirectional	N Type	
3	1	1	1	-	M.gear	C407-690902-A	Omnidirectional	N Type	
	2	2	2	-	M.gear	C407-690902-A	Omnidirectional	N Type	
4	3	-	-	1	M.gear	C407-690851-A	Omnidirectional	N Type	
	4	-	-	2	M.gear	C407-690851-A	Omnidirectional	N Type	
	5	-	-	3	M.gear	C407-690851-A	Omnidirectional	N Type	

Note 1

Set	Ant.	Gain (dBi)			Cable Loss	Gain (dBi)		
		2.4GHz	5GHz (Band 1)	5GHz (Band 4)		2.4GHz	5GHz (Band 1)	5GHz (Band 4)
1	1	6	6	-	0.5	5.5	5.5	-
	2	6	6	-	0.5	5.5	5.5	-
2	3	-	-	8	0.5	-	-	7.5
	4	-	-	8	0.5	-	-	7.5
	5	-	-	8	0.5	-	-	7.5
3	1	3.5	6	-	0.5	3	5.5	-
	2	3.5	6	-	0.5	3	5.5	-
4	3	-	-	7	0.5	-	-	6.5
	4	-	-	7	0.5	-	-	6.5
	5	-	-	7	0.5	-	-	6.5

Note 1: The above information was declared by manufacturer.

Note 2: Antenna set 1 and set 3 are the same type of antennas, antenna set 1 has the higher gain than set 2, so antenna set 1 is chosen to test.

Antenna set 2 and set 4 are the same type of antennas, antenna set 2 has the higher gain than set 4, so antenna set 2 is chosen to test.

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:**Band 1****For IEEE 802.11a/n/ac/ax (2TX/2RX):**

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

Port 1 and Port 2 could transmit/receive simultaneously.

Band 4**For IEEE 802.11a/n/ac/ax (3TX/3RX):**

Port 1, Port 2 and Port 3 can be used as transmitting/receiving antenna.

Port 1, Port 2 and Port 3 could transmit/receive simultaneously

1.1.3 Mode Test Duty Cycle**Band 1**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.958	0.19	2.066m	1k
802.11ax HEW20	0.979	0.09	1.489m	1k
802.11ax HEW40	0.964	0.16	781.25u	3k
802.11ax HEW80	0.928	0.32	415u	3k

Band 4

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.958	0.19	2.065m	1k
802.11ax HEW20	0.978	0.10	1.489m	1k
802.11ax HEW40	0.964	0.16	781.25u	3k
802.11ax HEW80	0.928	0.32	413.75u	3k

Note:

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

**1.1.4 EUT Operational Condition**

EUT Power Type	From PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for VHT/ax in 2.4GHz and ac/ax in 5GHz.			
Function	☒	Outdoor P2M	☐	Indoor P2M
	☐	Fixed P2P	☐	Client
Test Software Version	Mtool V3.2.1.2			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The difference for each model name is shown as below:

Model Name	Support Function
W6R-T223-001	AP
W6B-T223-001	Mesh AP
W6S-T223-001	Mesh AP-satelite

Note 1: From the above models, model: W6R-T223-001 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 EUT Supports Type

The EUT supports AP, Mesh AP, Mesh AP-satelite functions, only the AP was performed for all the tests.



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		
☐	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL : 886-3-327-3456 FAX : 886-3-327-0973
☒	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302, Taiwan (R.O.C.) TEL : 886-3-656-9065 FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Owen Hsu	13.6-14.5 / 59-62	Jan. 14, 2021~ Jan. 15, 2021
Radiated (Co-location)	03CH06-CB	JN Tu	22.7-23.2 / 56-58	Jan. 11, 2021~ Jan. 13, 2021
Radiated (Below 1GHz)	03CH06-CB	Stim Sung	22.7-23.2 / 56-58	Jan. 22, 2021
Radiated (Above 1GHz)	03CH06-CB	JN Tu	22.7-23.2 / 56-58	Jan. 11, 2021~ Jan. 13, 2021
AC Conduction	CO01-CB	Peter Wu	20~21 / 59~60	Jan. 27, 2021

Test site Designation No. TW0006 with FCC.

Test site registered number IC 4086D with Industry Canada.



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)	3.8 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.0 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.9 dB	Confidence levels of 95%
Conducted Emission	2.8 dB	Confidence levels of 95%
Output Power Measurement	1.4 dB	Confidence levels of 95%
Power Density Measurement	2.8 dB	Confidence levels of 95%
Bandwidth Measurement	0.4%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

<Non-beamforming mode>

Band 1

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	62
5200MHz	61
5240MHz	62
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	61
5200MHz	60
5240MHz	61
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	62
5230MHz	63
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	62

Band 4

Mode	Power Setting
802.11a_Nss1,(6Mbps)_3TX	-
5745MHz	93
5785MHz	93
5825MHz	97
802.11ax HEW20_Nss1,(MCS0)_3TX	-
5745MHz	92
5785MHz	92
5825MHz	97
802.11ax HEW40_Nss1,(MCS0)_3TX	-
5755MHz	91
5795MHz	93
802.11ax HEW80_Nss1,(MCS0)_3TX	-
5775MHz	84

**<beamforming mode>****Band 1**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5180MHz	48
5200MHz	48
5240MHz	48
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5190MHz	49
5230MHz	50
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5210MHz	48

Band 4

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_3TX	-
5745MHz	74
5785MHz	74
5825MHz	79
802.11ax HEW40-BF_Nss1,(MCS0)_3TX	-
5755MHz	73
5795MHz	75
802.11ax HEW80-BF_Nss1,(MCS0)_3TX	-
5775MHz	75

Note:

- ♦ Evaluated HEW20/HEW40/HEW80 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80 mode are the same or lower than HEW20/HEW40/HEW80.
- ♦ The EUT supports non-beamforming and beamforming modes, after evaluating, the non-beamforming mode has been evaluated to be the worst case, so it was selected to test. The beamforming mode evaluates the output power only.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	EUT + AP with PoE 1

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density Unwanted Emissions
Test Condition	Conducted measurement at transmit chains
1	WLAN 5GHz Band 1 + Antenna Set 1
2	WLAN 5GHz Band 4 + Antenna Set 2

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	EUT + AP with PoE 2
Operating Mode > 1GHz	CTX
1	WLAN 5GHz Band 1 + Antenna Set 1
2	WLAN 5GHz Band 4 + Antenna Set 2

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 Band 1 + Antenna Set 1
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 (Antenna Set 1) + WLAN 5GHz Band 1 (Antenna Set 1) + WLAN 5GHz Band 4 (Antenna Set 2)
Refer to Sporton Test Report No.: FA0D3031 for Co-location RF Exposure Evaluation.	

Note 1: The EUT can only be used in Y-axis position.

Note 2: The PoE below is for measurement only, would not be marketed.

The PoE information as below:

Support Unit	Brand	Model Number
PoE 1	Cisco	MA-INJ4
PoE 2	T-STONE	TSD-PSE25

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

Sealing Collar*1



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE 1	Cisco	MA-INJ-4	N/A
B	LAN NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G-L NB	DELL	E6430	N/A
E	5G-H NB	DELL	E6430	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE 2	T-STONE	TSD-PSE25	N/A
B	LAN NB	DELL	E4300	N/A
C	2.4G NB	DELL	E4300	N/A
D	5G-L NB	DELL	E4300	N/A
E	5G-H NB	DELL	E4300	N/A

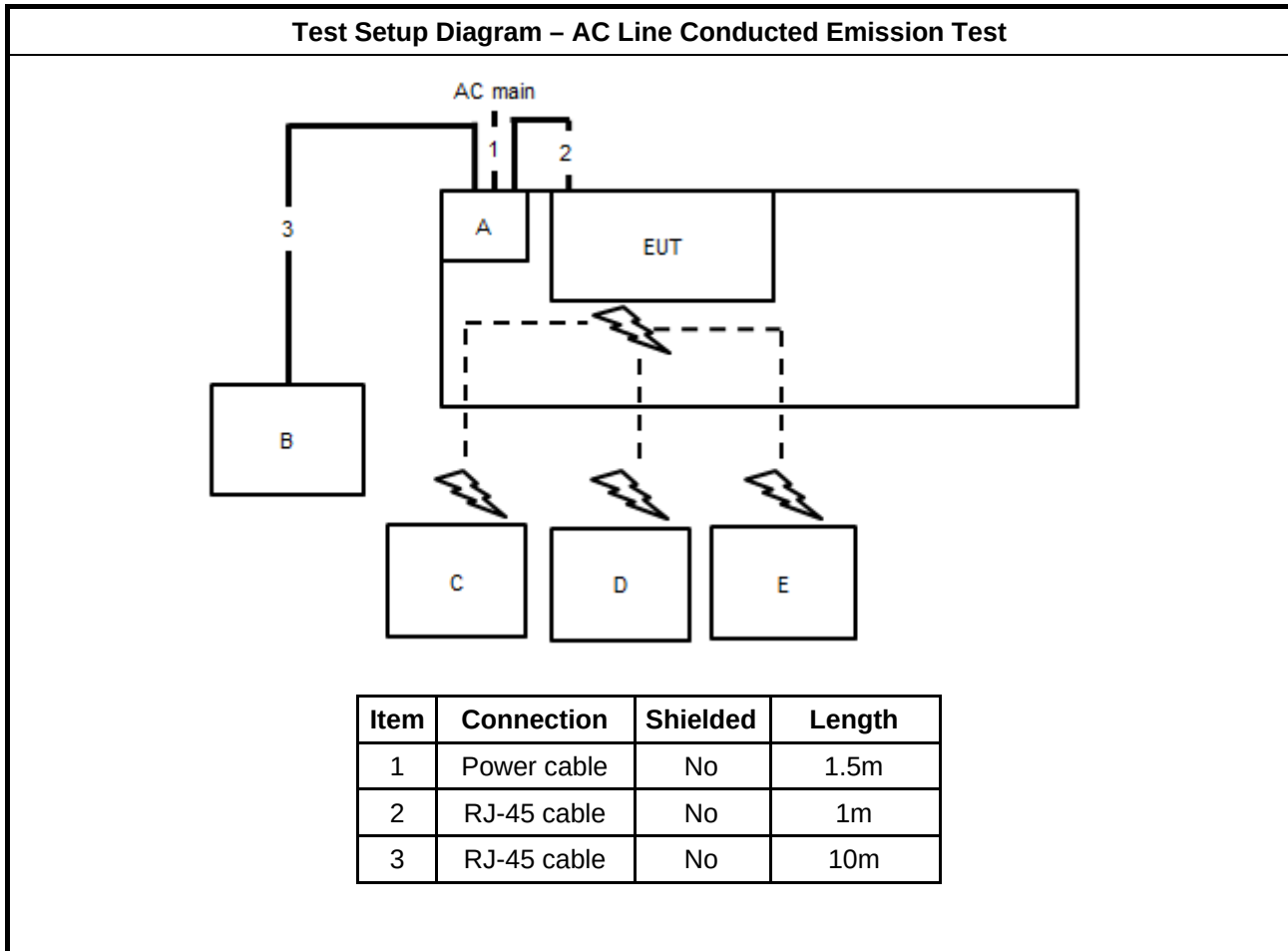
For Radiated (above 1GHz):

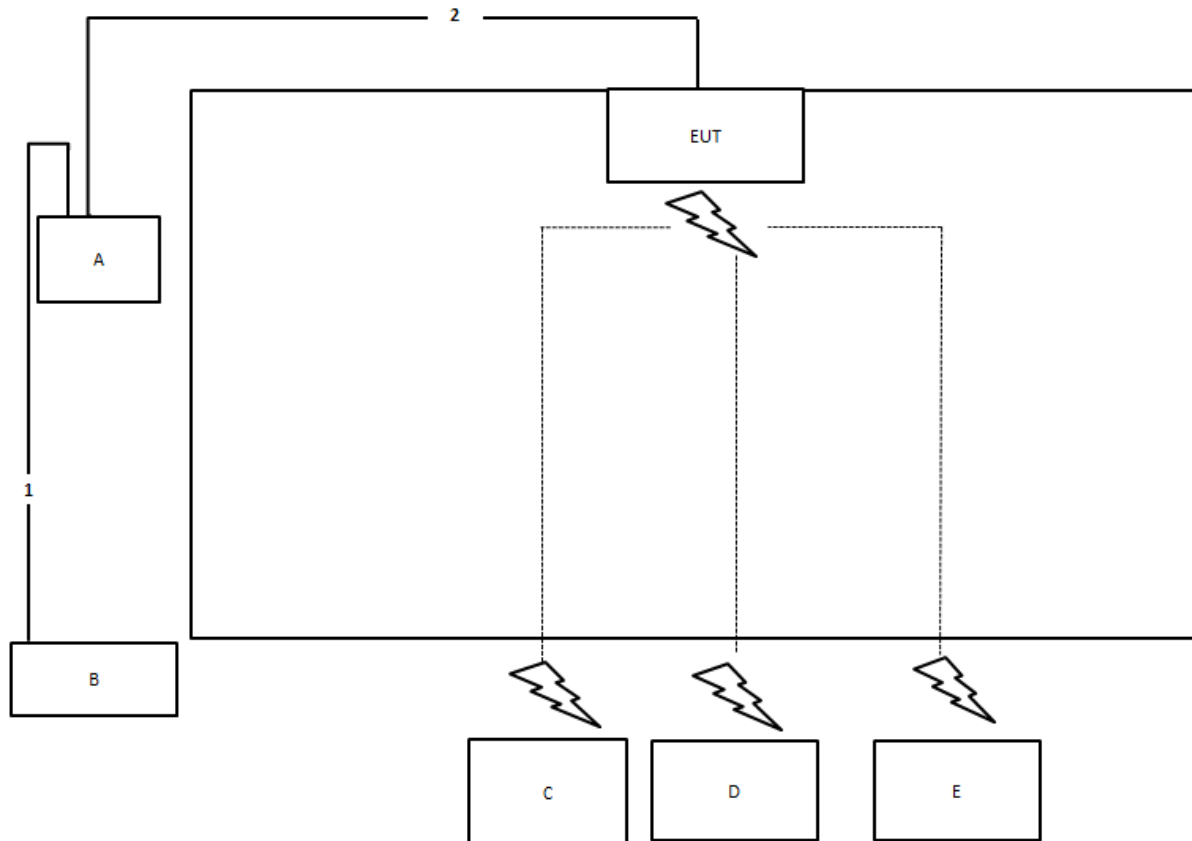
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE 2	T-STONE	TSD-PSE25	N/A

For RF Conducted:

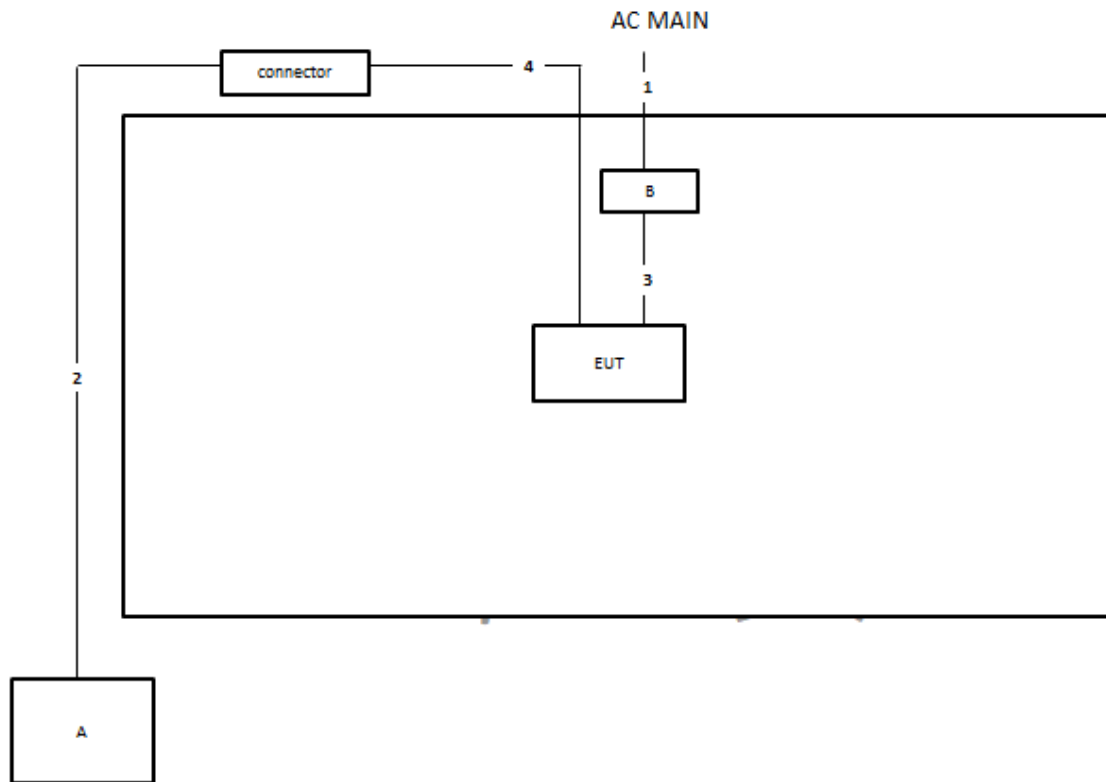
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE 2	T-STONE	TSD-PSE25	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


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

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	1.85m



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

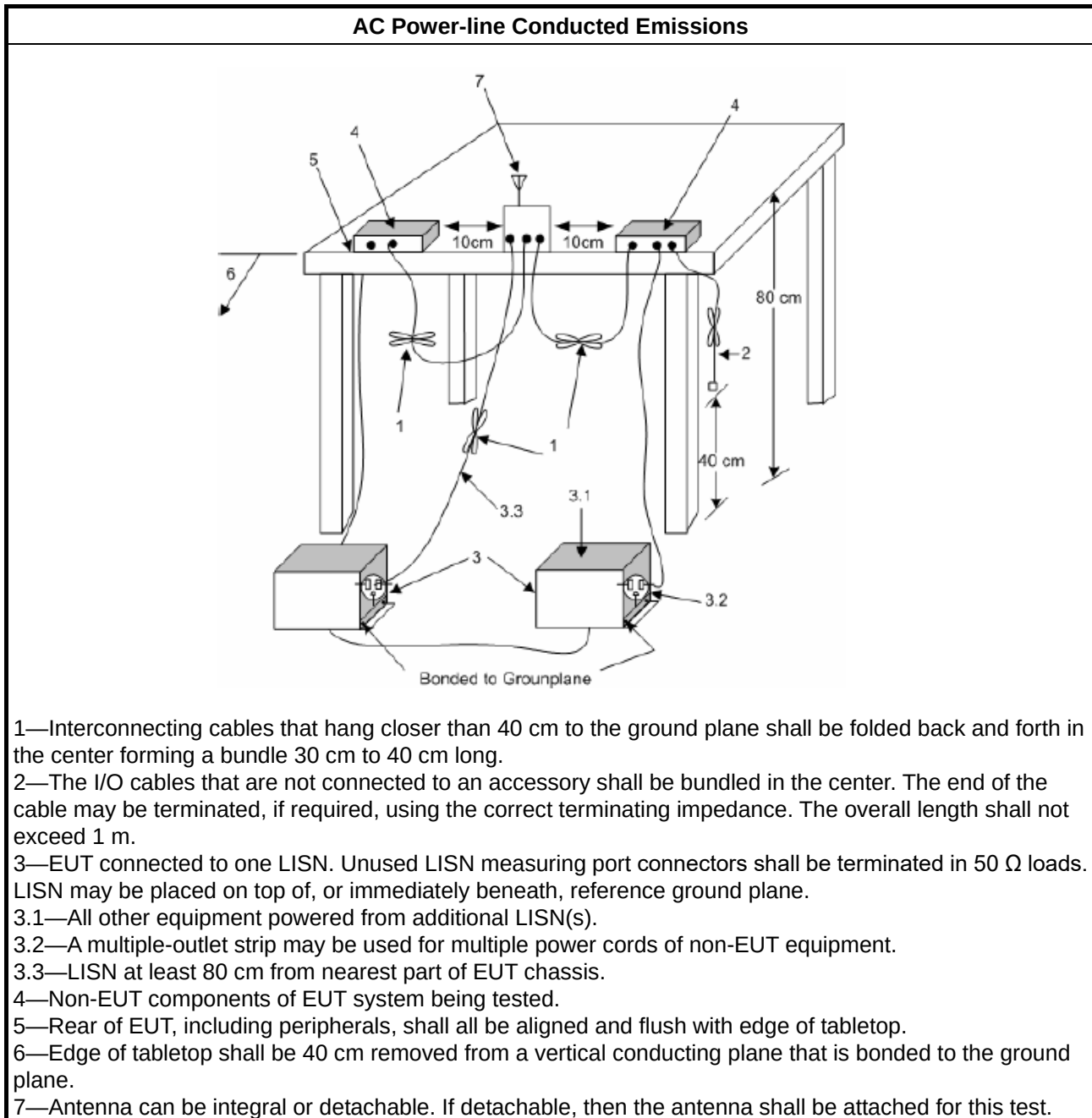
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☐	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 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.
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.

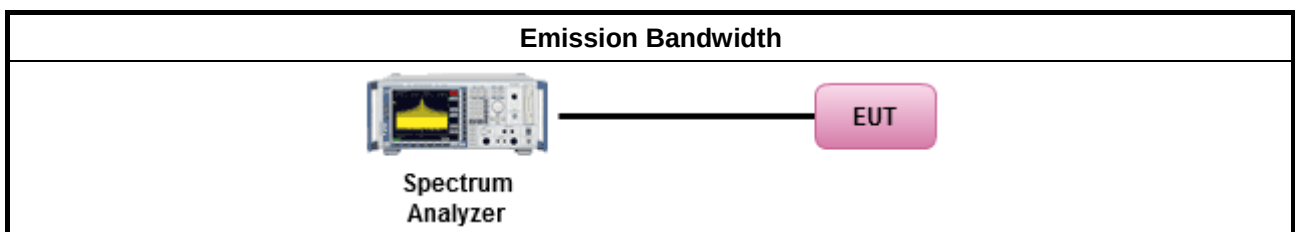
3.2.2 Measuring Instruments

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 Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
☐	- Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm] - Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ - Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 23$ dBi, then $P_{Out} = 30 - (G_{TX} - 23)$. - Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☐	For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☐	For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒ For the 5.725-5.85 GHz band:	
☐	- Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐ For the 5.725-5.85 GHz band:	
☐	- Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

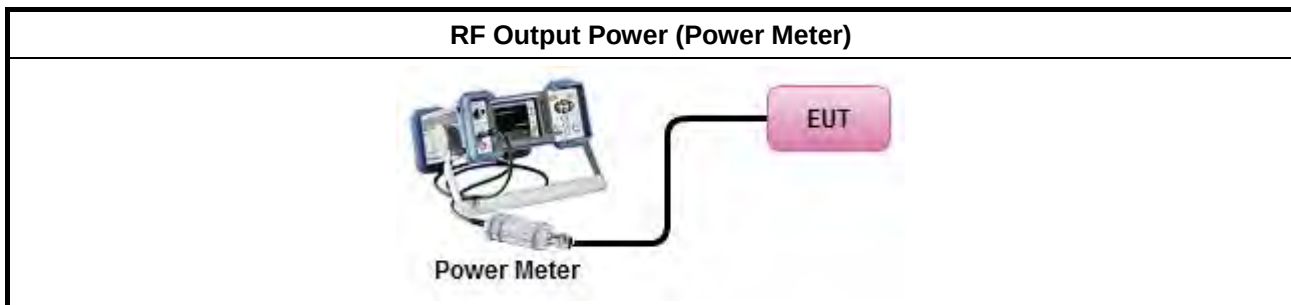
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
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



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
☐	- Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$. - Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☐	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☐	For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒ For the 5.725-5.85 GHz band:	
☐	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.
☐	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
☐	e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for $0^\circ \leq \theta < 8^\circ$; -13 - 0.716 (θ-8) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 (θ-40) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
☐ For the 5.725-5.85 GHz band:	
☐	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that the 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.	



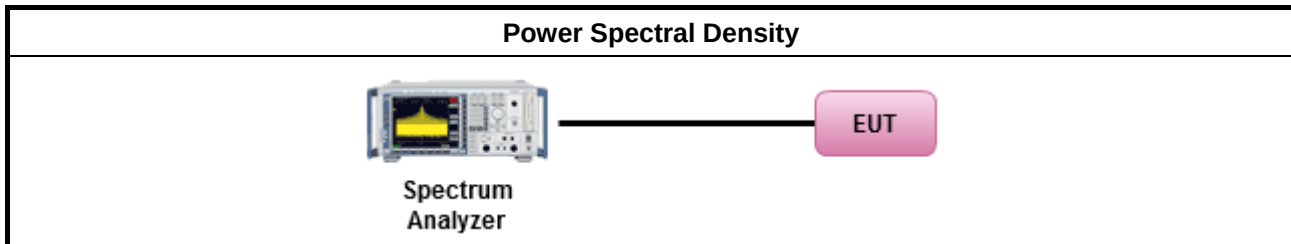
3.4.2 Measuring Instruments

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 Peak Power Spectral Density

Refer as Appendix D



3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
☒ 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☐ 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☐ 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.725 - 5.85 GHz	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of



linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

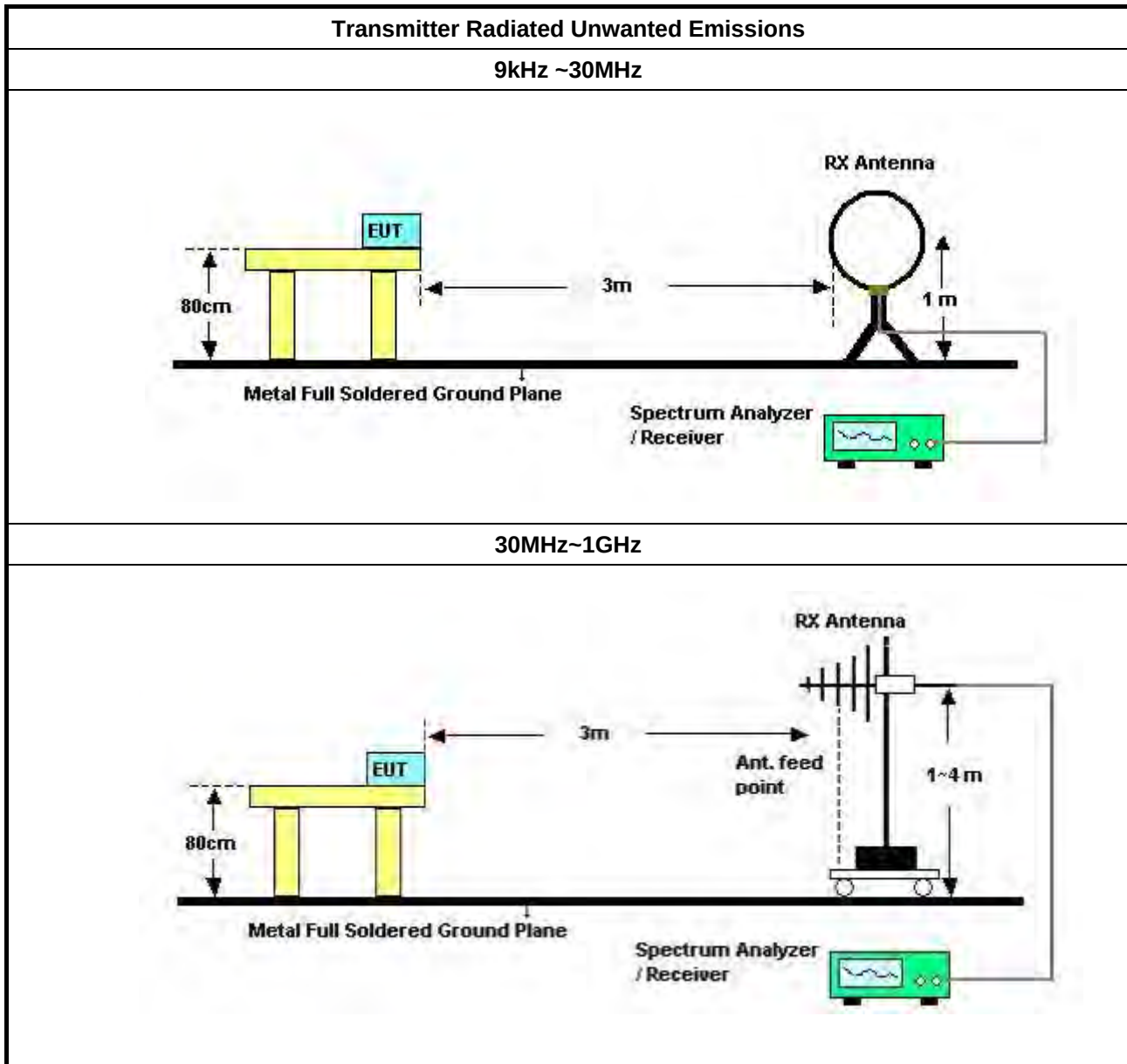
3.5.2 Measuring Instruments

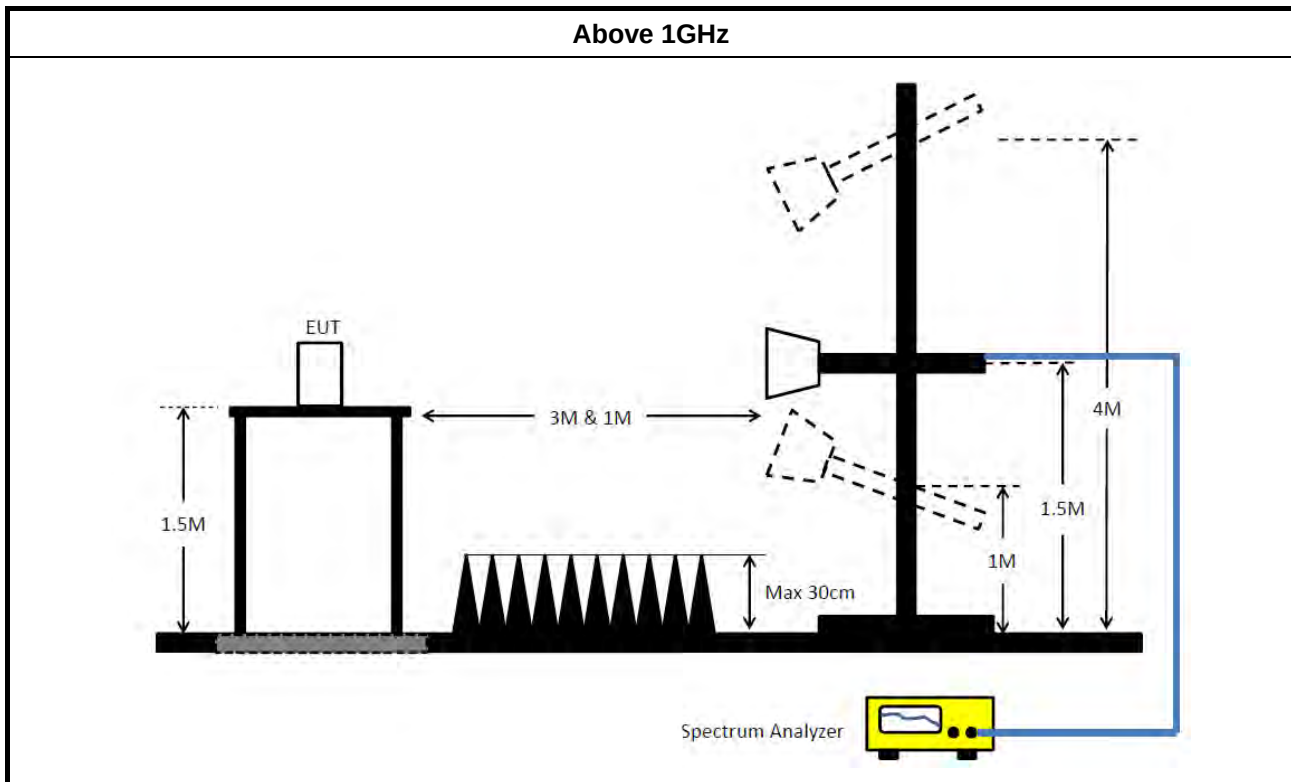
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 789033, 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.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

3.5.4 Test Setup





3.5.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

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

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 26, 2020	Feb. 25, 2021	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 20, 2020	Nov. 19, 2021	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Feb. 25, 2020	Feb. 24, 2021	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 31, 2020	Jan. 30, 2021	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 20, 2020	May 19, 2021	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 13, 2020	Apr. 12, 2021	Radiation (03CH06-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 10, 2020	Aug. 09, 2021	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 02, 2020	Oct. 01, 2021	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Aug. 02, 2020	Aug. 01, 2021	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 22, 2020	Jul. 21, 2021	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	Nov. 05, 2020	Nov. 04, 2021	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 07, 2020	May 06, 2021	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Dec. 15, 2020	Dec. 14, 2021	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 13, 2020	May 12, 2021	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-05+24	30MHz~1GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-05	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+24	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 05, 2020	May 04, 2021	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. 07, 2020	Feb. 06, 2021	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 07, 2020	Feb. 06, 2021	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

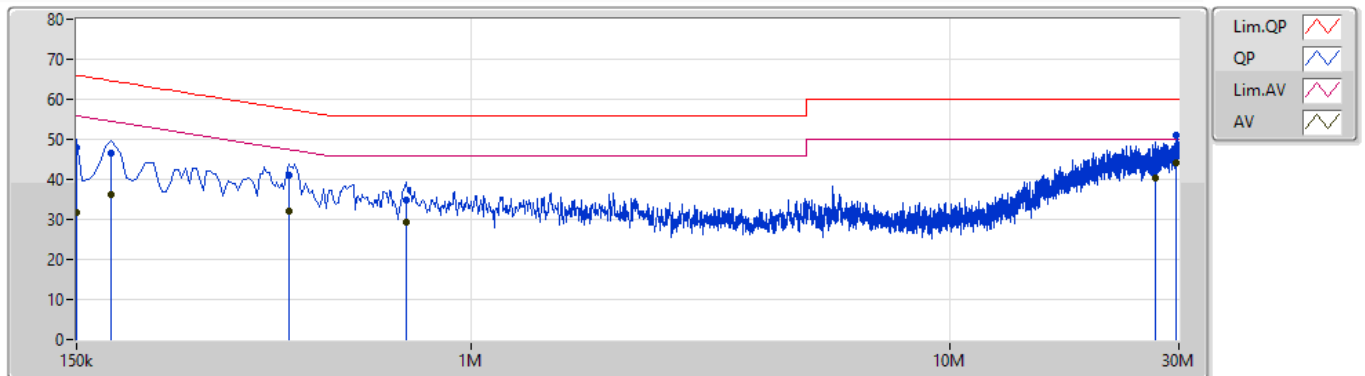
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	29.571M	44.29	50.00	-5.71	Line

Mode 1

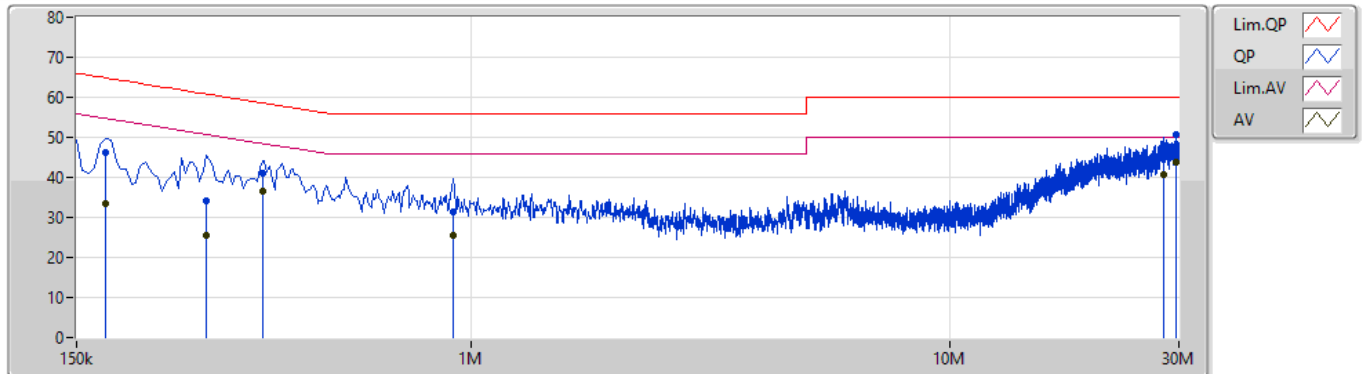
27/01/2021



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	48.00	66.00	-18.00	9.89	Line	-	38.11	0.05	0.03	9.81			
AV	150k	31.64	56.00	-24.36	9.89	Line	-	21.75	0.05	0.03	9.81			
QP	177k	46.57	64.62	-18.05	9.89	Line	-	36.68	0.04	0.03	9.82			
AV	177k	36.13	54.62	-18.49	9.89	Line	-	26.24	0.04	0.03	9.82			
QP	415.5k	41.13	57.53	-16.40	9.90	Line	-	31.23	0.04	0.03	9.83			
AV	415.5k	31.94	47.53	-15.59	9.90	Line	-	22.04	0.04	0.03	9.83			
QP	730.5k	34.78	56.00	-21.22	9.92	Line	-	24.86	0.05	0.04	9.83			
AV	730.5k	29.45	46.00	-16.55	9.92	Line	-	19.53	0.05	0.04	9.83			
QP	26.849M	46.82	60.00	-13.18	10.63	Line	-	36.19	0.28	0.32	10.03			
AV	26.849M	40.18	50.00	-9.82	10.63	Line	-	29.55	0.28	0.32	10.03			
QP	29.571M	51.01	60.00	-8.99	10.64	Line	-	40.37	0.30	0.30	10.04			
AV	29.571M	44.29	50.00	-5.71	10.64	Line	"Worst"	33.65	0.30	0.30	10.04			

Mode 1

27/01/2021



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	172.5k	46.14	64.83	-18.69	9.89	Neutral	-	36.25	0.04	0.03	9.82			
AV	172.5k	33.44	54.83	-21.39	9.89	Neutral	-	23.55	0.04	0.03	9.82			
QP	280.5k	34.03	60.80	-26.77	9.89	Neutral	-	24.14	0.04	0.03	9.82			
AV	280.5k	25.54	50.80	-25.26	9.89	Neutral	-	15.65	0.04	0.03	9.82			
QP	366k	41.07	58.60	-17.53	9.90	Neutral	-	31.17	0.04	0.03	9.83			
AV	366k	36.58	48.60	-12.02	9.90	Neutral	-	26.68	0.04	0.03	9.83			
QP	919.5k	31.45	56.00	-24.55	9.93	Neutral	-	21.52	0.06	0.04	9.83			
AV	919.5k	25.35	46.00	-20.65	9.93	Neutral	-	15.42	0.06	0.04	9.83			
QP	27.969M	47.24	60.00	-12.76	10.65	Neutral	-	36.59	0.31	0.31	10.03			
AV	27.969M	40.67	50.00	-9.33	10.65	Neutral	-	30.02	0.31	0.31	10.03			
QP	29.571M	50.75	60.00	-9.25	10.67	Neutral	-	40.08	0.33	0.30	10.04			
AV	29.571M	43.95	50.00	-6.05	10.67	Neutral	"Worst"	33.28	0.33	0.30	10.04			

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.21M	16.732M	16M7D1D	21.06M	16.612M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.48M	19.07M	19M1D1D	21.3M	18.981M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.2M	37.541M	37M5D1D	39.78M	37.421M
802.11ax HEW80_Nss1,(MCS0)_2TX	81.6M	76.882M	76M9D1D	81.12M	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

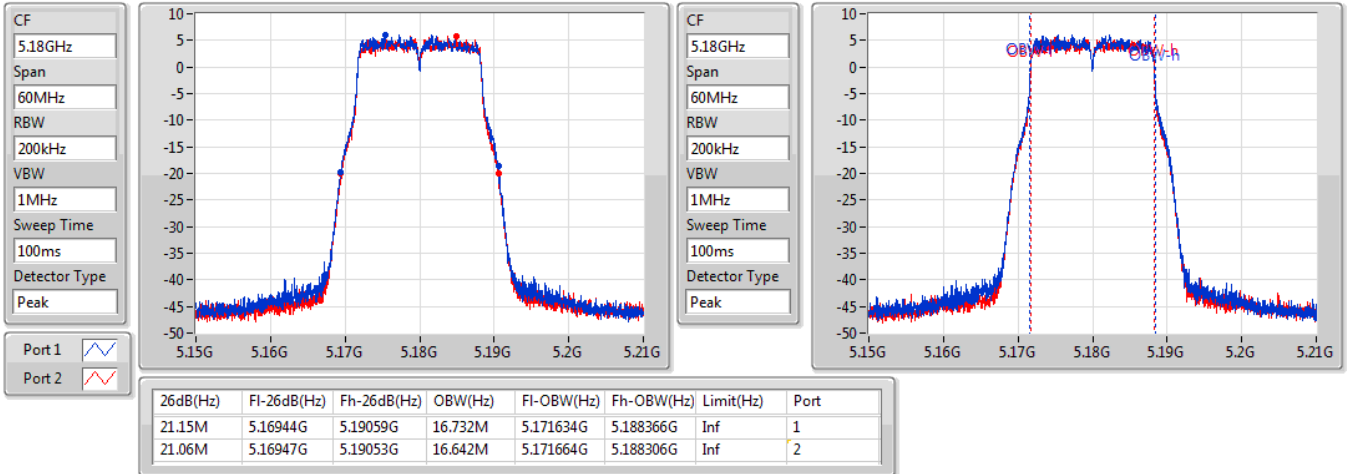
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.15M	16.732M	21.06M	16.642M
5200MHz	Pass	Inf	21.15M	16.732M	21.06M	16.612M
5240MHz	Pass	Inf	21.21M	16.732M	21.18M	16.642M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.39M	19.01M	21.3M	19.04M
5200MHz	Pass	Inf	21.39M	18.981M	21.36M	19.07M
5240MHz	Pass	Inf	21.45M	19.01M	21.48M	19.04M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.14M	37.481M	39.84M	37.421M
5230MHz	Pass	Inf	40.2M	37.481M	39.78M	37.541M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.6M	76.882M	81.12M	76.762M

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

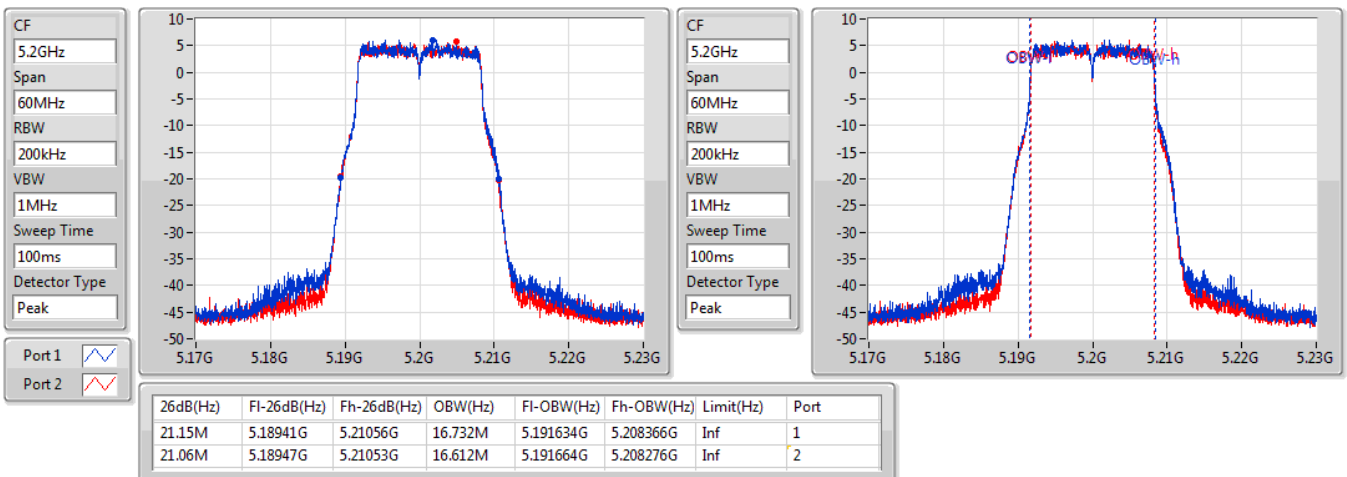
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX
EBW
5180MHz

14/01/2021

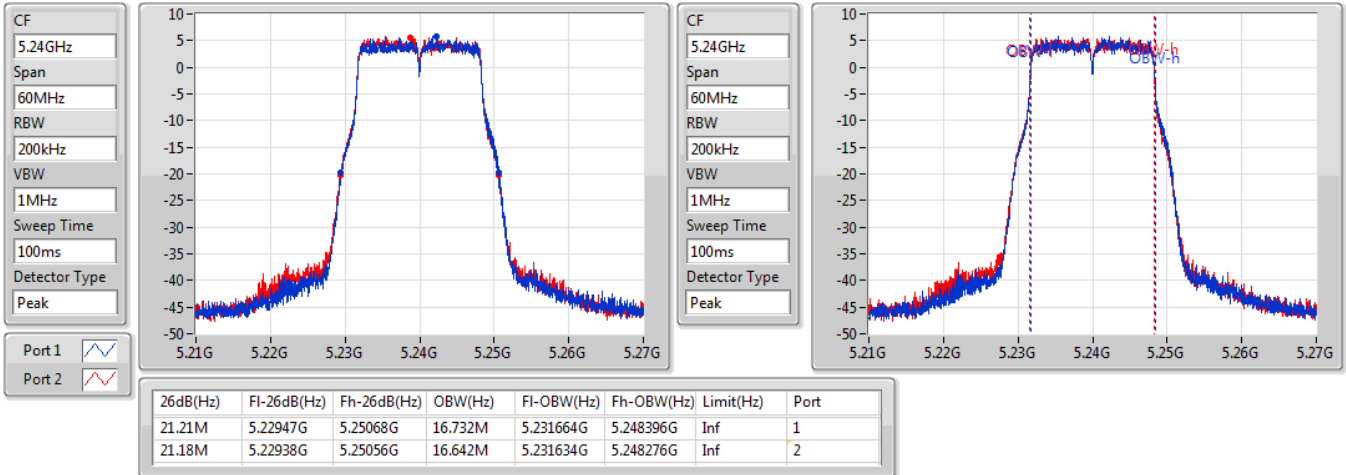

802.11a_Nss1,(6Mbps)_2TX
EBW
5200MHz

14/01/2021

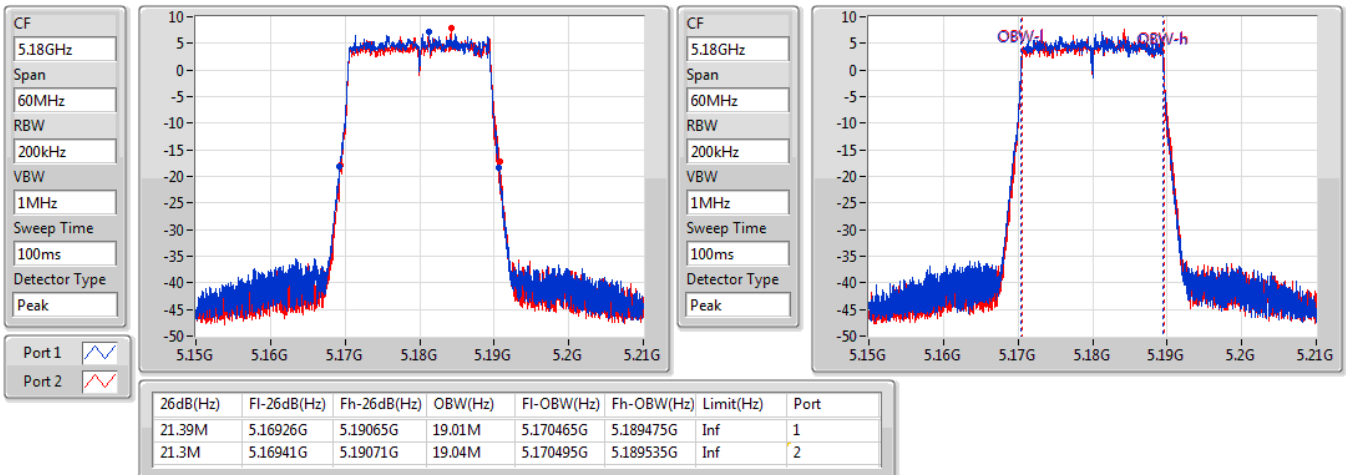


802.11a_Nss1,(6Mbps)_2TX
EBW
5240MHz

14/01/2021

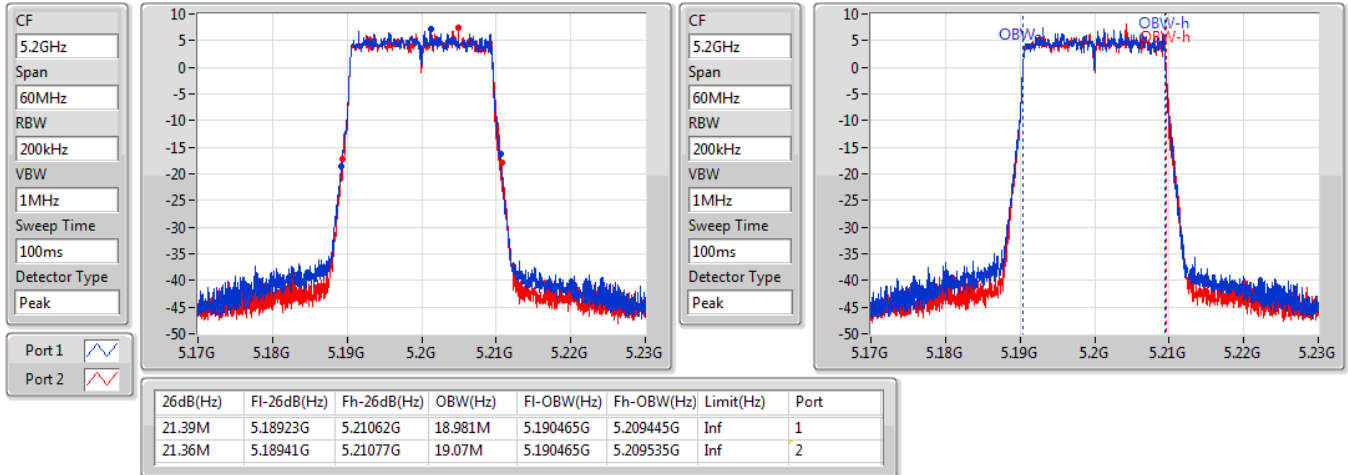

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5180MHz

14/01/2021

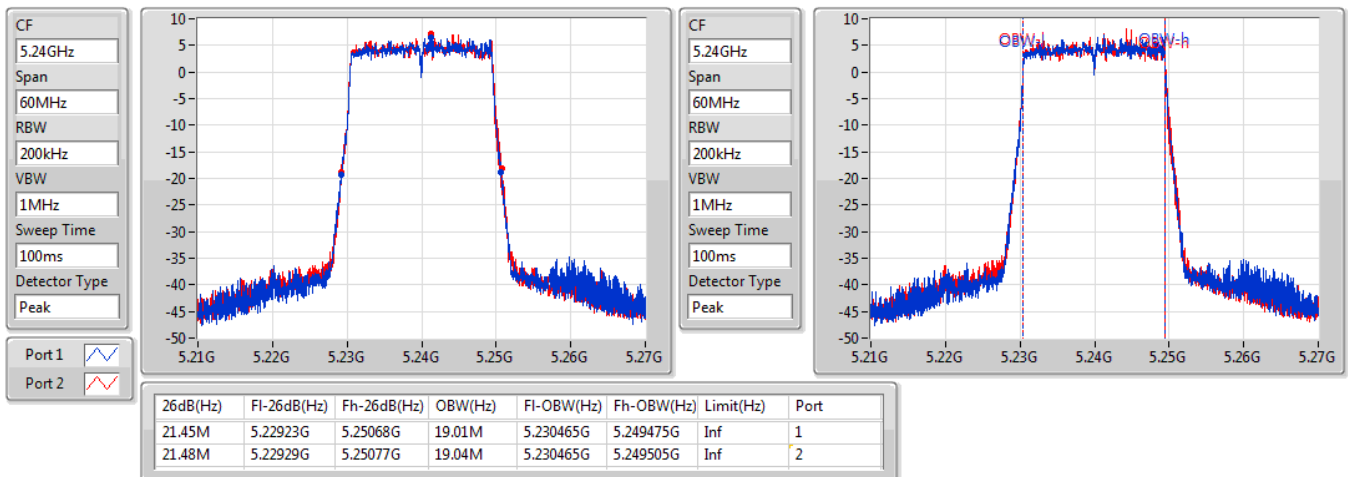


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5200MHz

14/01/2021

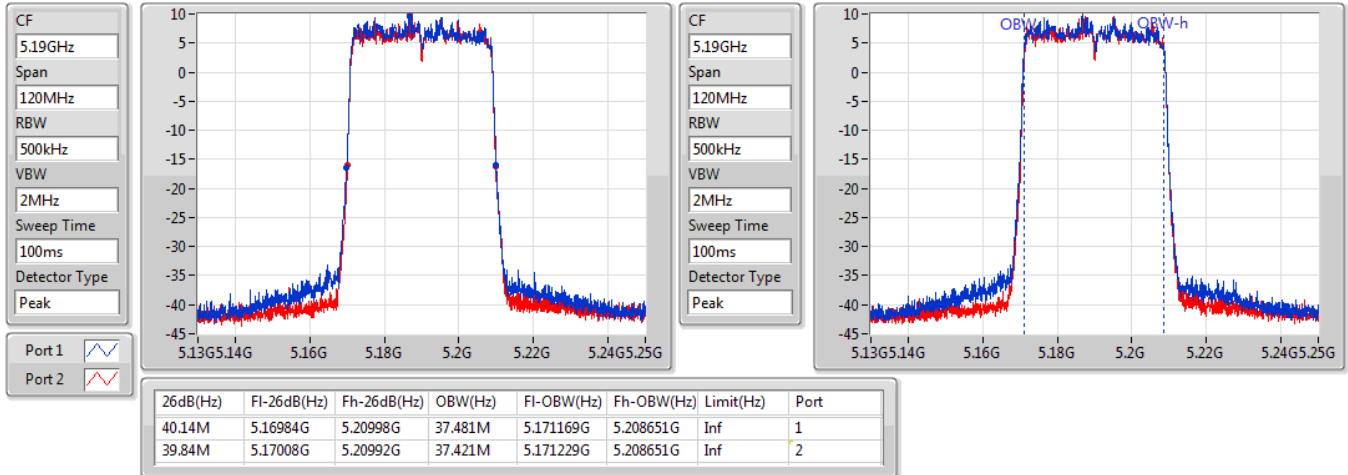

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5240MHz

14/01/2021

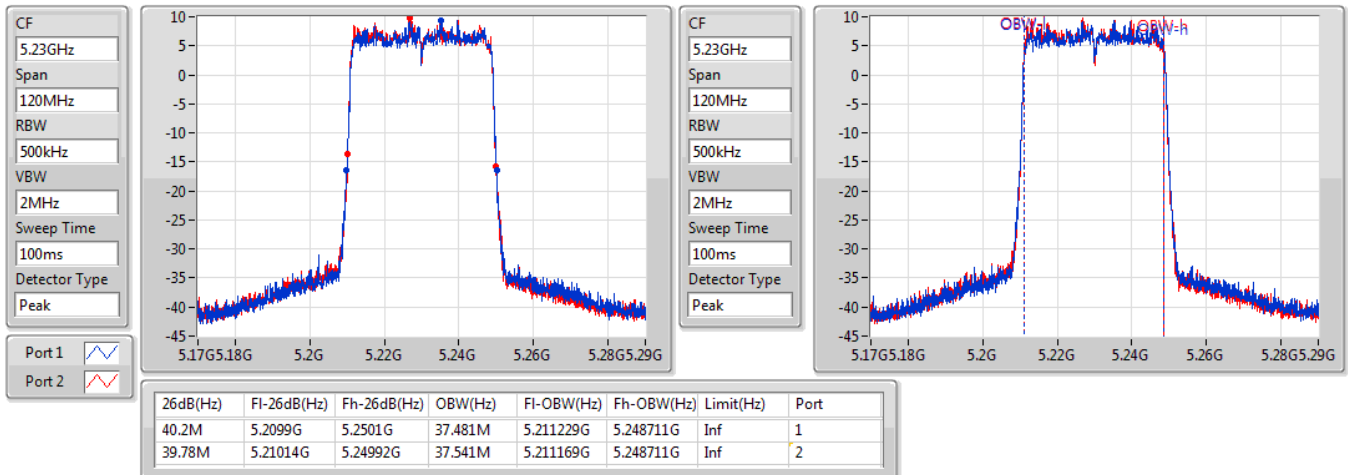


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5190MHz

14/01/2021

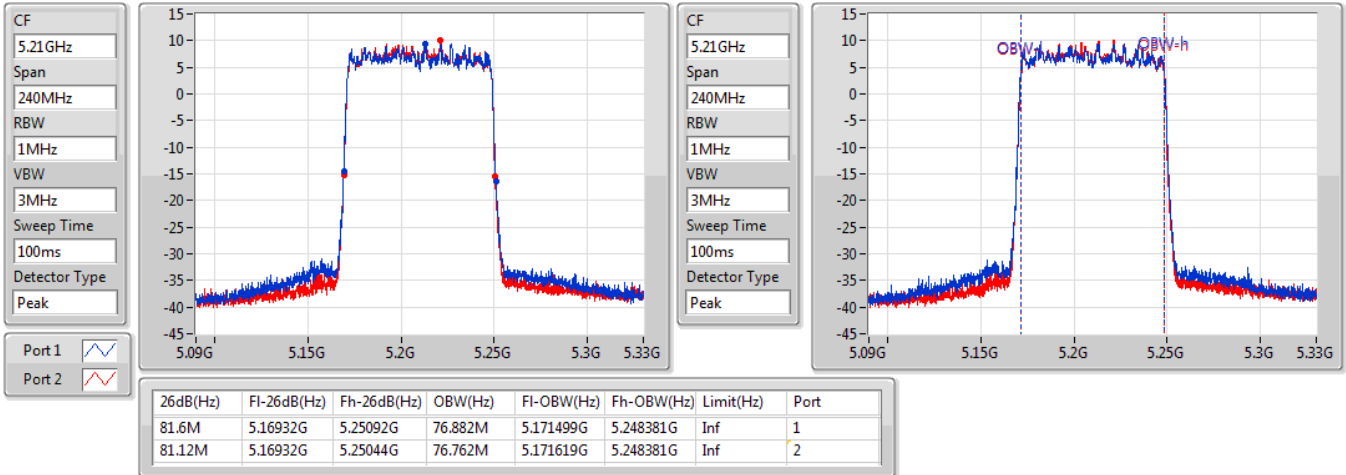

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5230MHz

14/01/2021



802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5210MHz

14/01/2021



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_3TX	16.56M	27.016M	27M0D1D	16.32M	16.942M
802.11ax HEW20_Nss1,(MCS0)_3TX	18.96M	28.546M	28M5D1D	18.75M	19.13M
802.11ax HEW40_Nss1,(MCS0)_3TX	37.62M	38.201M	38M2D1D	36.6M	37.721M
802.11ax HEW80_Nss1,(MCS0)_3TX	76.56M	77.001M	77M0D1D	75.84M	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

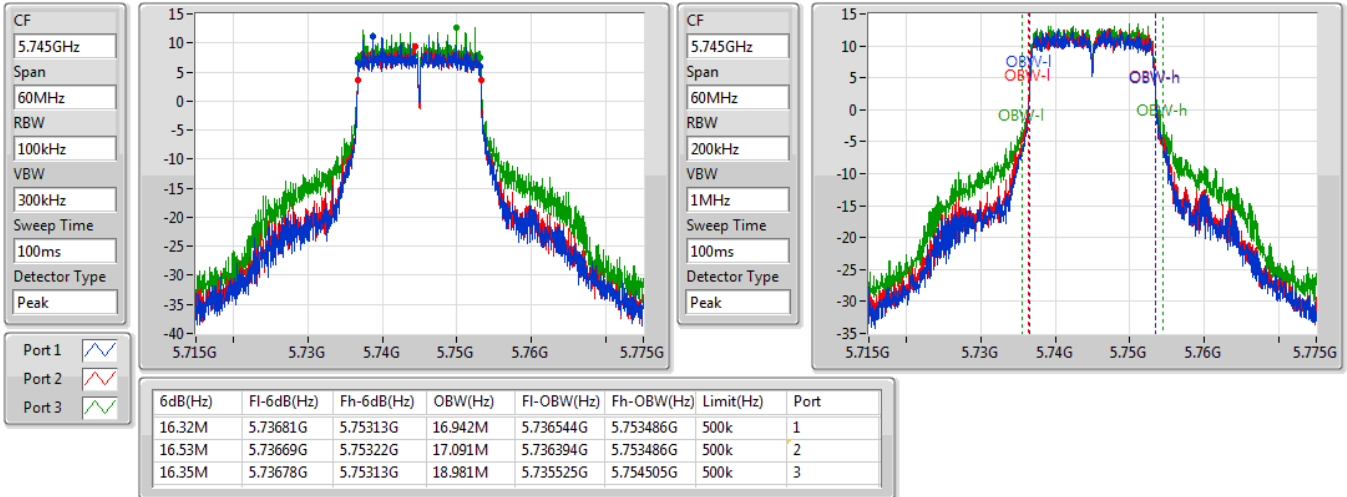
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-	-
5745MHz	Pass	500k	16.32M	16.942M	16.53M	17.091M	16.35M	18.981M
5785MHz	Pass	500k	16.32M	17.061M	16.56M	17.211M	16.41M	17.931M
5825MHz	Pass	500k	16.32M	20.3M	16.32M	21.199M	16.32M	27.016M
802.11ax HEW20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5745MHz	Pass	500k	18.9M	19.13M	18.93M	19.13M	18.87M	19.58M
5785MHz	Pass	500k	18.96M	19.16M	18.96M	19.22M	18.9M	19.37M
5825MHz	Pass	500k	18.75M	21.379M	18.96M	23.028M	18.75M	28.546M
802.11ax HEW40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5755MHz	Pass	500k	37.08M	37.781M	36.6M	37.721M	37.02M	37.841M
5795MHz	Pass	500k	37.08M	38.201M	37.62M	37.841M	37.02M	37.961M
802.11ax HEW80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5775MHz	Pass	500k	76.56M	77.001M	76.32M	76.762M	75.84M	76.882M

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

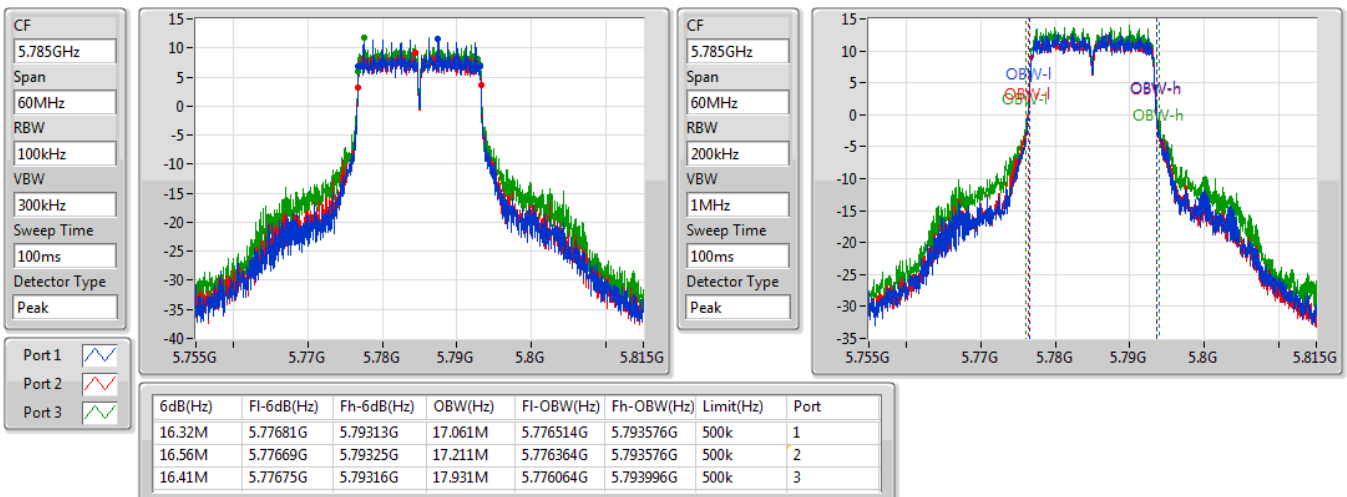
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_3TX
EBW
5745MHz

14/01/2021

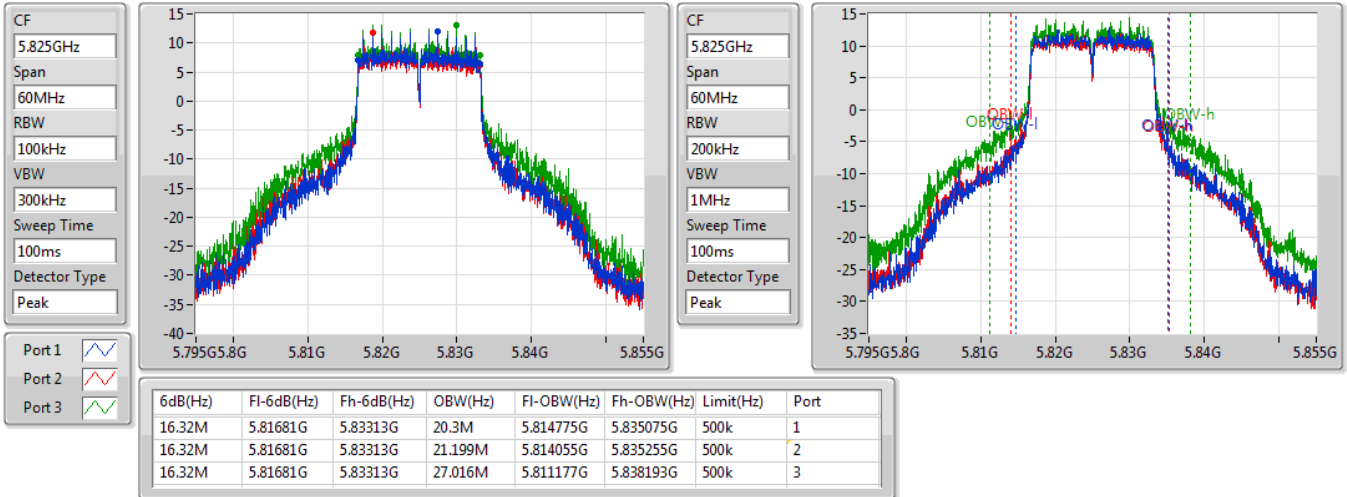

802.11a_Nss1,(6Mbps)_3TX
EBW
5785MHz

14/01/2021

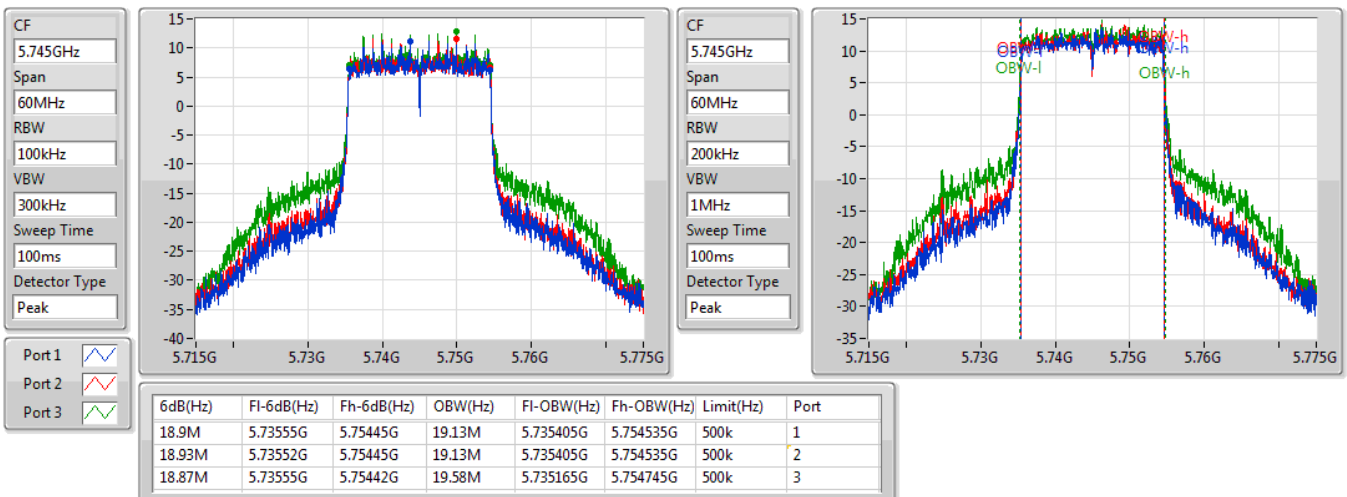


802.11a_Nss1,(6Mbps)_3TX
EBW
5825MHz

14/01/2021

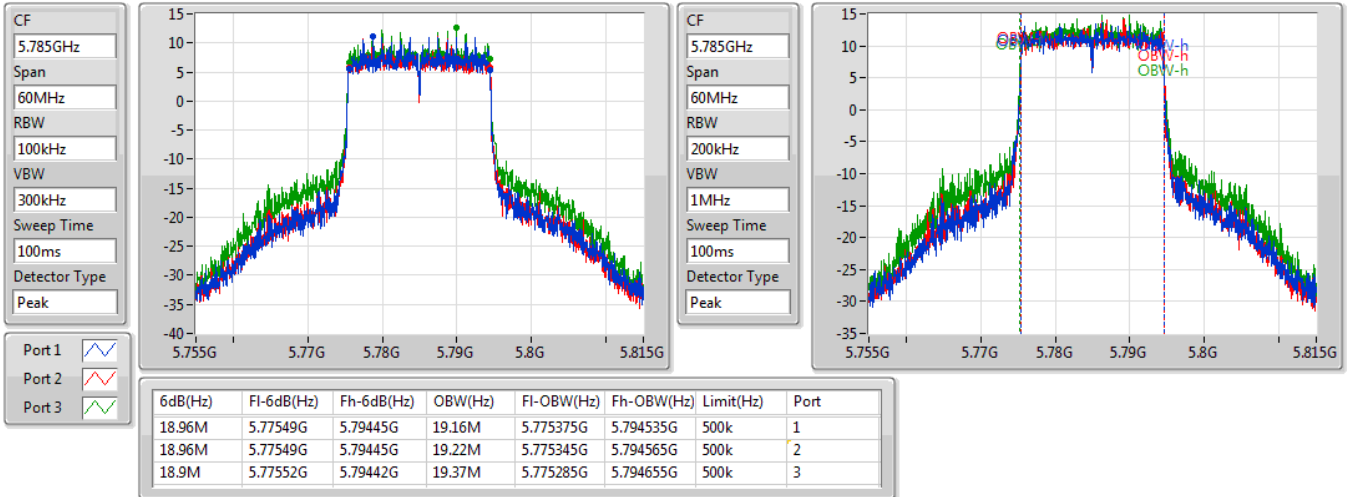

802.11ax HEW20_Nss1,(MCS0)_3TX
EBW
5745MHz

14/01/2021

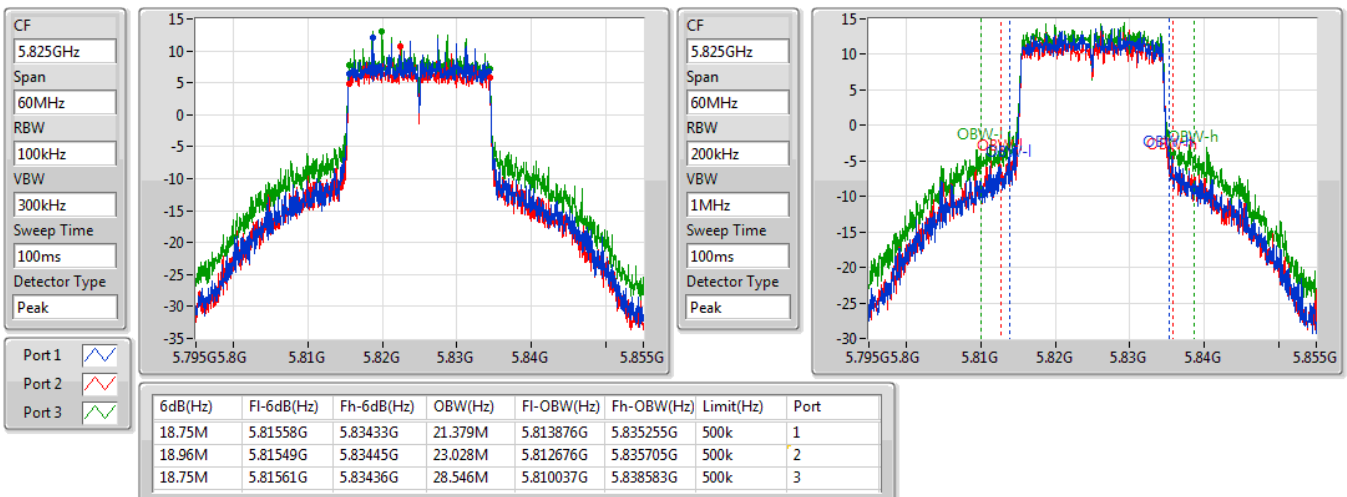


802.11ax HEW20_Nss1,(MCS0)_3TX
EBW
5785MHz

14/01/2021

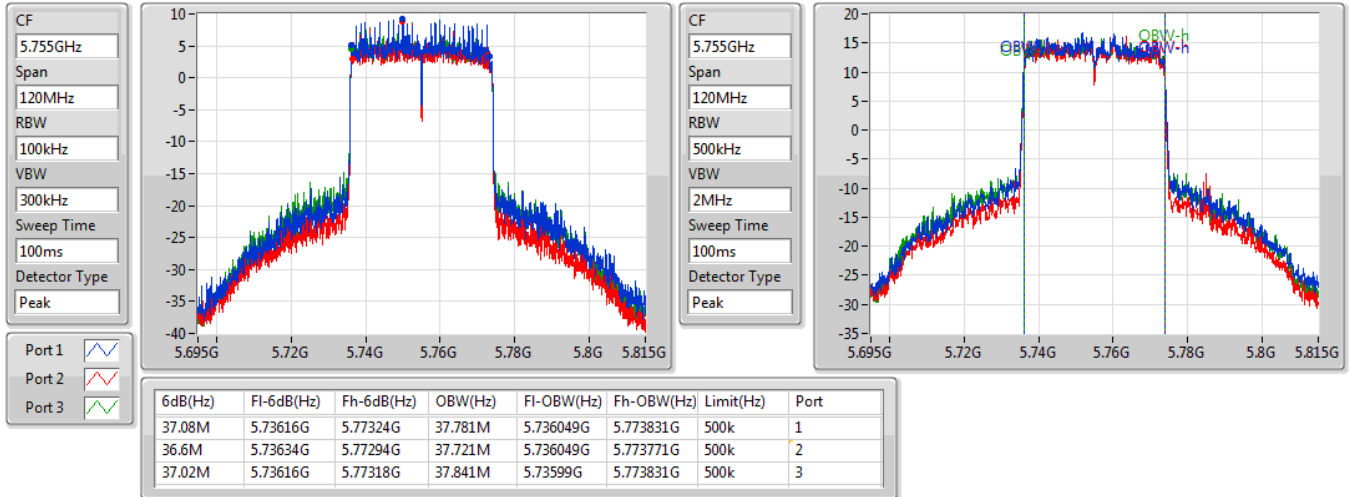

802.11ax HEW20_Nss1,(MCS0)_3TX
EBW
5825MHz

14/01/2021

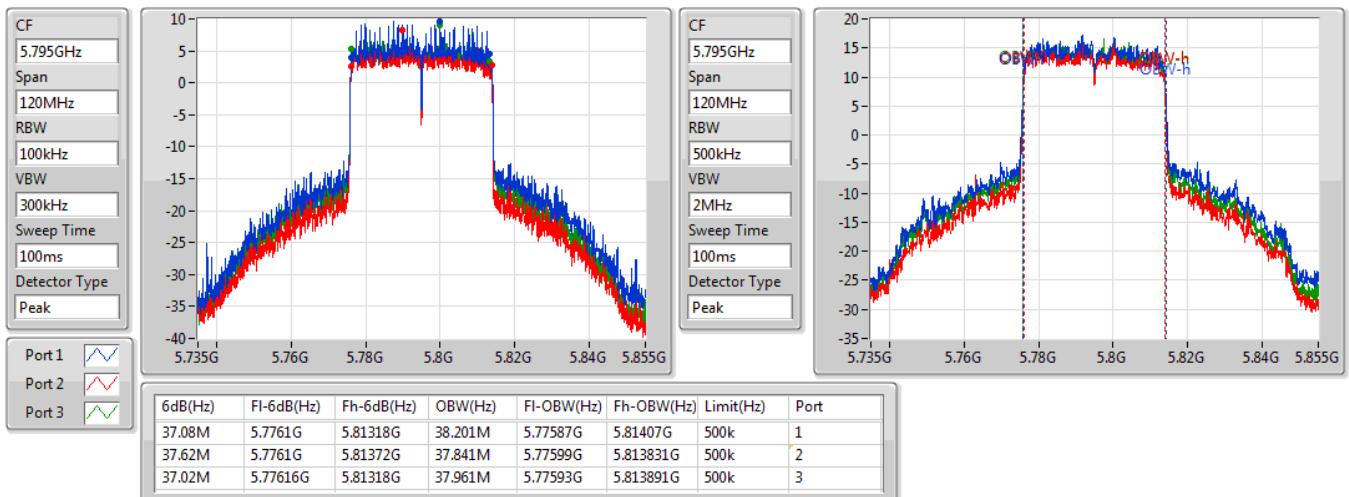


802.11ax HEW40_Nss1,(MCS0)_3TX
EBW
5755MHz

14/01/2021


802.11ax HEW40_Nss1,(MCS0)_3TX
EBW
5795MHz

14/01/2021

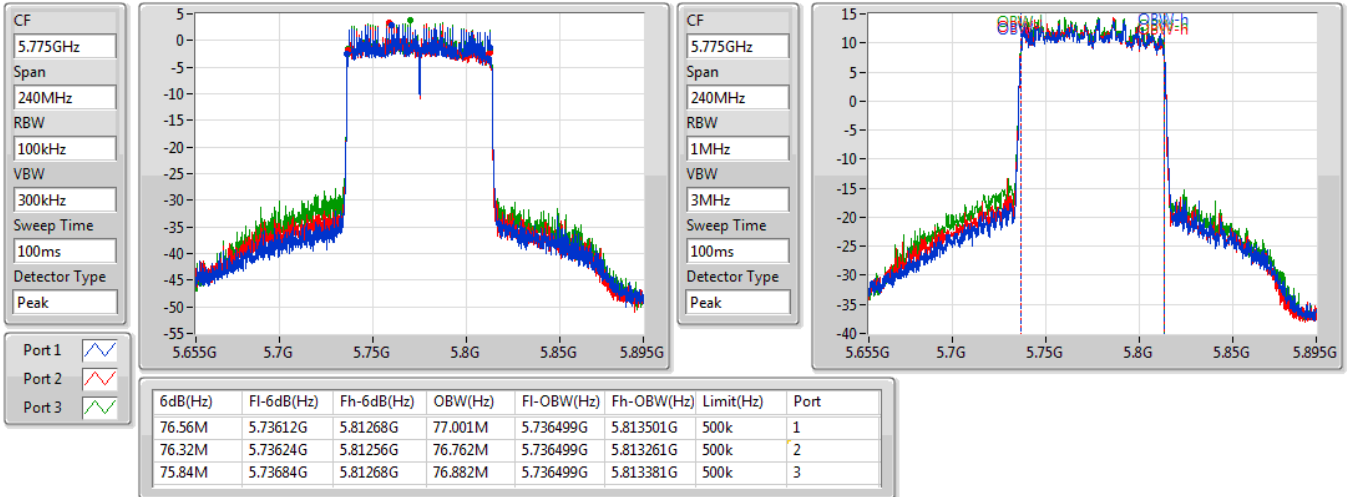


802.11ax HEW80_Nss1,(MCS0)_3TX

EBW

5775MHz

14/01/2021





Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP / EIRP [Phi 30°] (dBm)	EIRP / EIRP [Phi 30°] (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.72	0.09376	25.22/20.91	0.33266/0.12331
802.11ax HEW20_Nss1,(MCS0)_2TX	19.70	0.09333	25.20/20.89	0.33113/0.12274
802.11ax HEW40_Nss1,(MCS0)_2TX	19.67	0.09268	25.17/20.86	0.32885/0.12190
802.11ax HEW80_Nss1,(MCS0)_2TX	19.70	0.09333	25.20/20.89	0.33113/0.12274

Result

Mode	Result	Directional Gain [Power] / Gain [Phi 30°] (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP / EIRP [Phi 30°] (dBm)	EIRP Limit / EIRP Limit [Phi 30°] (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.50/1.19	16.71	16.71	19.72	30.00	25.22/20.91	Inf/21.00
5200MHz	Pass	5.50/1.19	16.65	16.65	19.66	30.00	25.16/20.85	Inf/21.00
5240MHz	Pass	5.50/1.19	16.46	16.79	19.64	30.00	25.14/20.83	Inf/21.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.50/1.19	16.85	16.40	19.64	30.00	25.14/20.83	Inf/21.00
5200MHz	Pass	5.50/1.19	16.71	16.67	19.70	30.00	25.20/20.89	Inf/21.00
5240MHz	Pass	5.50/1.19	16.44	16.70	19.58	30.00	25.08/20.77	Inf/21.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.50/1.19	16.68	16.56	19.63	30.00	25.13/20.82	Inf/21.00
5230MHz	Pass	5.50/1.19	16.54	16.77	19.67	30.00	25.17/20.86	Inf/21.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.50/1.19	16.72	16.66	19.70	30.00	25.20/20.89	Inf/21.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_3TX	28.47	0.70307
802.11ax HEW20_Nss1,(MCS0)_3TX	28.44	0.69823
802.11ax HEW40_Nss1,(MCS0)_3TX	28.46	0.70146
802.11ax HEW80_Nss1,(MCS0)_3TX	25.68	0.36983

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-
5745MHz	Pass	7.50	23.22	23.51	24.29	28.47	28.50
5785MHz	Pass	7.50	23.13	23.34	24.27	28.38	28.50
5825MHz	Pass	7.50	23.37	23.01	24.07	28.28	28.50
802.11ax HEW20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5745MHz	Pass	7.50	23.18	23.49	24.22	28.42	28.50
5785MHz	Pass	7.50	23.14	23.22	24.28	28.35	28.50
5825MHz	Pass	7.50	23.49	23.25	24.21	28.44	28.50
802.11ax HEW40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5755MHz	Pass	7.50	23.74	23.25	23.66	28.33	28.50
5795MHz	Pass	7.50	24.07	23.08	23.85	28.46	28.50
802.11ax HEW80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5775MHz	Pass	7.50	20.62	20.71	21.35	25.68	28.50

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



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP / EIRP [Phi 30°] (dBm)	EIRP / EIRP [Phi 30°] (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	16.76	0.04742	25.27/20.96	0.33651/0.12474
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	16.76	0.04742	25.27/20.96	0.33651/0.12474
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	16.66	0.04634	25.17/20.86	0.32885/0.1219

Result

Mode	Result	Directional Gain [Power] / Gain [Phi 30°] (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP / EIRP [Phi 30°] (dBm)	EIRP Limit / EIRP Limit [Phi 30°] (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.51/4.20	13.82	13.37	16.61	27.49	25.12/20.81	Inf/21.00
5200MHz	Pass	8.51/4.20	13.80	13.70	16.76	27.49	25.27/20.96	Inf/21.00
5240MHz	Pass	8.51/4.20	13.47	13.66	16.58	27.49	25.09/20.78	Inf/21.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.51/4.20	13.90	13.50	16.71	27.49	25.22/20.91	Inf/21.00
5230MHz	Pass	8.51/4.20	13.79	13.71	16.76	27.49	25.27/20.96	Inf/21.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.51/4.20	13.80	13.50	16.66	27.49	25.17/20.86	Inf/21.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_3TX	23.66	0.23227
802.11ax HEW40-BF_Nss1,(MCS0)_3TX	23.68	0.23335
802.11ax HEW80-BF_Nss1,(MCS0)_3TX	23.55	0.22646

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5745MHz	Pass	12.27	18.52	18.79	19.32	23.66	23.73
5785MHz	Pass	12.27	18.53	18.56	19.45	23.64	23.73
5825MHz	Pass	12.27	18.75	18.61	19.26	23.65	23.73
802.11ax HEW40-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5755MHz	Pass	12.27	19.15	18.54	18.68	23.57	23.73
5795MHz	Pass	12.27	19.23	18.57	18.89	23.68	23.73
802.11ax HEW80-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5775MHz	Pass	12.27	18.61	18.69	19.02	23.55	23.73

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	6.48
802.11ax HEW20_Nss1,(MCS0)_2TX	5.88
802.11ax HEW40_Nss1,(MCS0)_2TX	3.16
802.11ax HEW80_Nss1,(MCS0)_2TX	0.62

RBW = 500 kHz 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	8.51	3.57	3.42	6.39	14.49
5200MHz	Pass	8.51	3.60	3.63	6.48	14.49
5240MHz	Pass	8.51	3.20	3.56	6.29	14.49
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	8.51	3.09	2.86	5.85	14.49
5200MHz	Pass	8.51	2.94	2.96	5.88	14.49
5240MHz	Pass	8.51	2.63	3.02	5.76	14.49
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	8.51	0.28	0.23	3.15	14.49
5230MHz	Pass	8.51	0.14	0.27	3.16	14.49
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	8.51	-2.42	-2.12	0.62	14.49

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

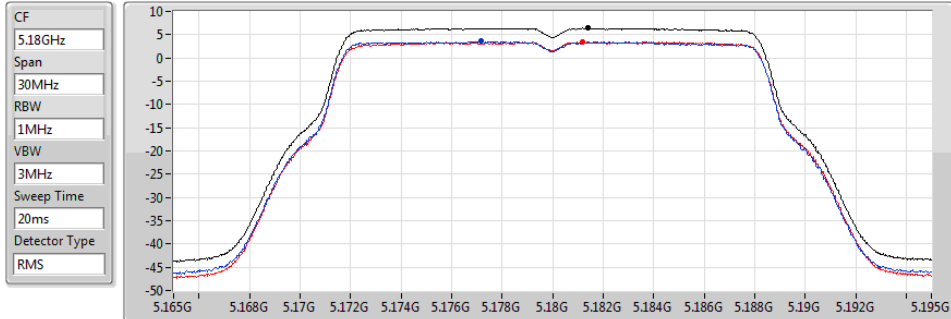
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_2TX

PSD

5180MHz

14/01/2021



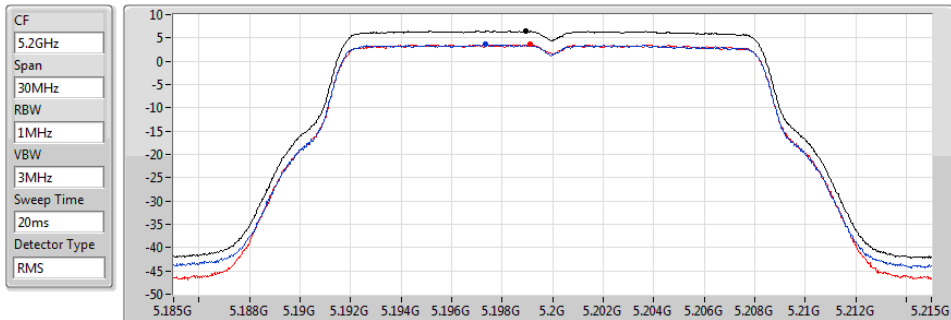
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.39	6.39	3.57	3.42

802.11a_Nss1,(6Mbps)_2TX

PSD

5200MHz

14/01/2021



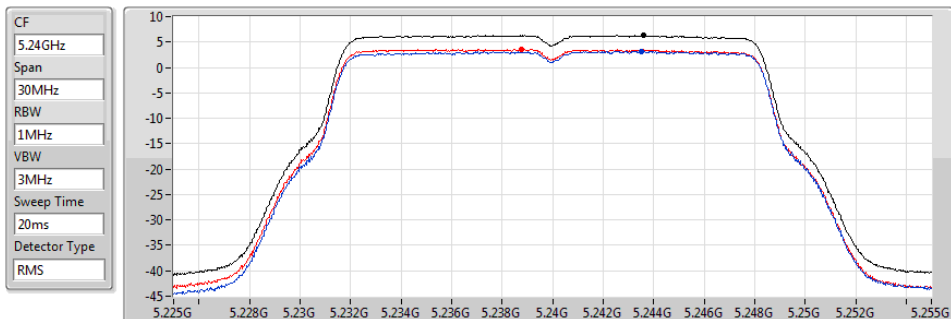
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.48	6.48	3.60	3.63

802.11a_Nss1,(6Mbps)_2TX

PSD

5240MHz

14/01/2021



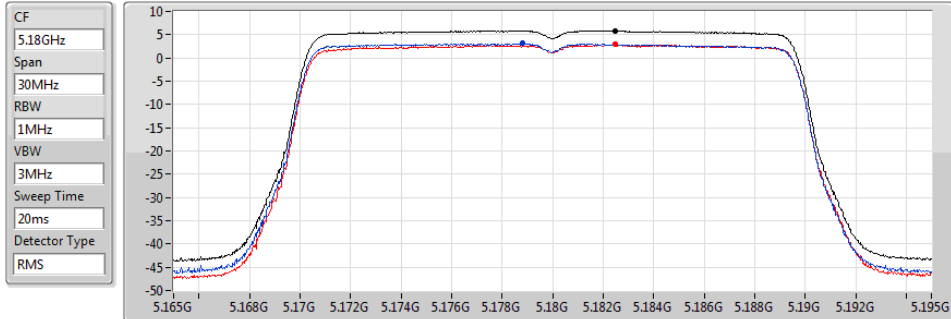
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.29	6.29	3.20	3.56

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5180MHz

14/01/2021



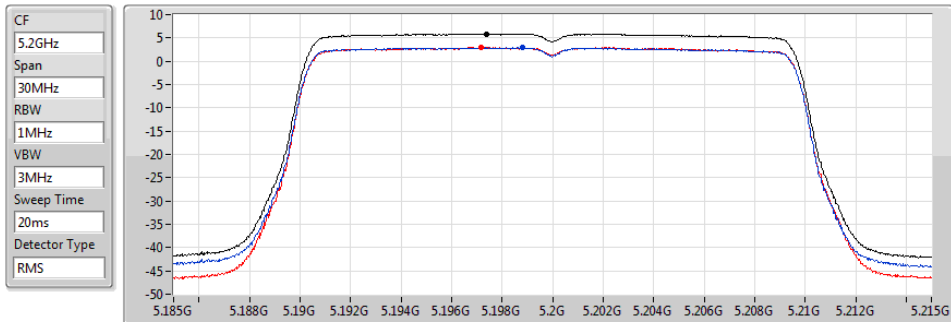
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.85	5.85	3.09	2.86

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5200MHz

14/01/2021



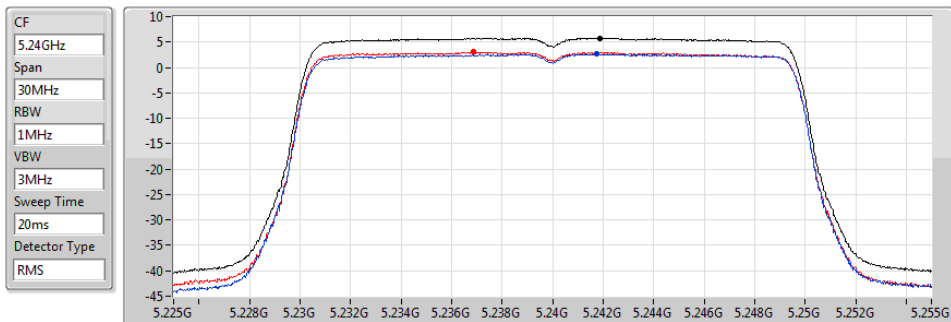
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.88	5.88	2.94	2.96

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5240MHz

14/01/2021



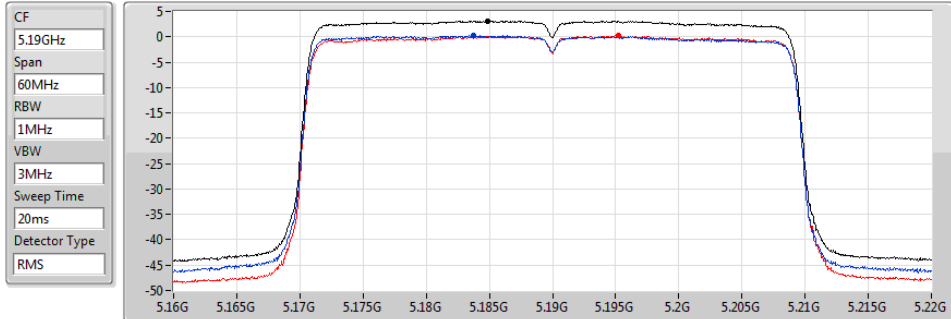
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.76	5.76	2.63	3.02

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5190MHz

14/01/2021



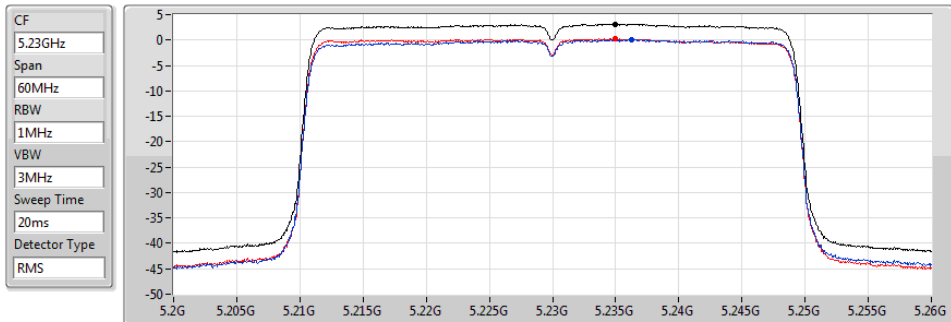
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.15	3.15	0.28	0.23

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5230MHz

14/01/2021



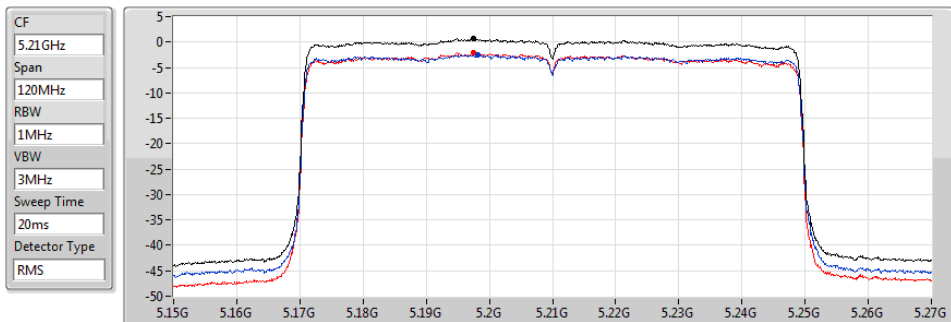
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.16	3.16	0.14	0.27

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5210MHz

14/01/2021



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.62	0.62	-2.42	-2.12

Summary

Mode	PD (dBm/RBW)
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_3TX	13.73
802.11ax HEW20_Nss1,(MCS0)_3TX	13.20
802.11ax HEW40_Nss1,(MCS0)_3TX	10.55
802.11ax HEW80_Nss1,(MCS0)_3TX	5.37

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-	-	-
5745MHz	Pass	12.27	8.49	8.74	9.66	13.70	23.73	25.97	36.00
5785MHz	Pass	12.27	8.76	8.61	9.86	13.73	23.73	26.00	36.00
5825MHz	Pass	12.27	8.48	8.09	9.40	13.41	23.73	25.68	36.00
802.11ax HEW20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5745MHz	Pass	12.27	8.03	8.28	9.20	13.20	23.73	25.47	36.00
5785MHz	Pass	12.27	7.99	7.96	9.14	13.11	23.73	25.38	36.00
5825MHz	Pass	12.27	8.28	7.88	8.98	13.08	23.73	25.35	36.00
802.11ax HEW40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5755MHz	Pass	12.27	5.94	5.44	5.82	10.43	23.73	22.70	36.00
5795MHz	Pass	12.27	6.21	5.24	5.90	10.55	23.73	22.82	36.00
802.11ax HEW80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5775MHz	Pass	12.27	0.39	0.50	0.96	5.37	23.73	17.64	36.00

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

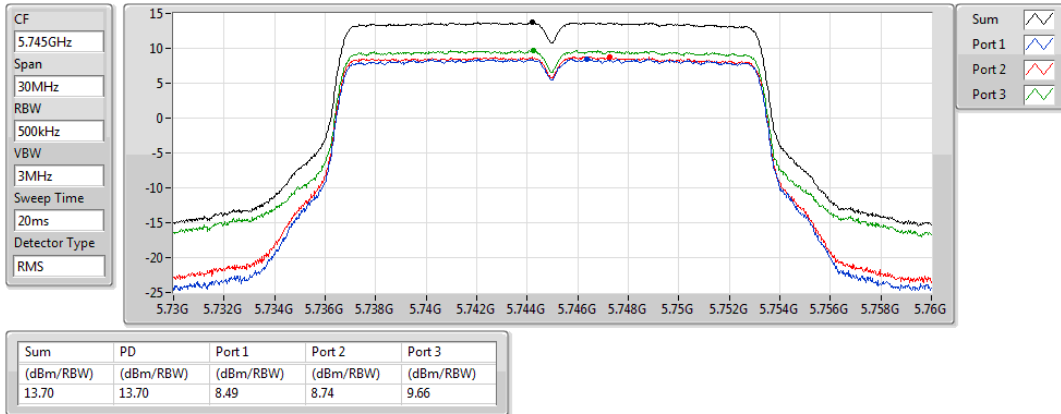
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_3TX

PSD

5745MHz

14/01/2021

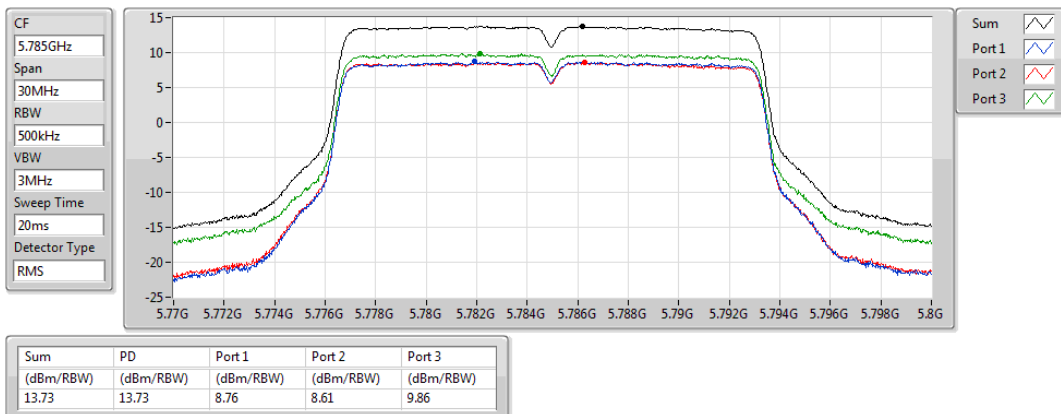


802.11a_Nss1,(6Mbps)_3TX

PSD

5785MHz

14/01/2021

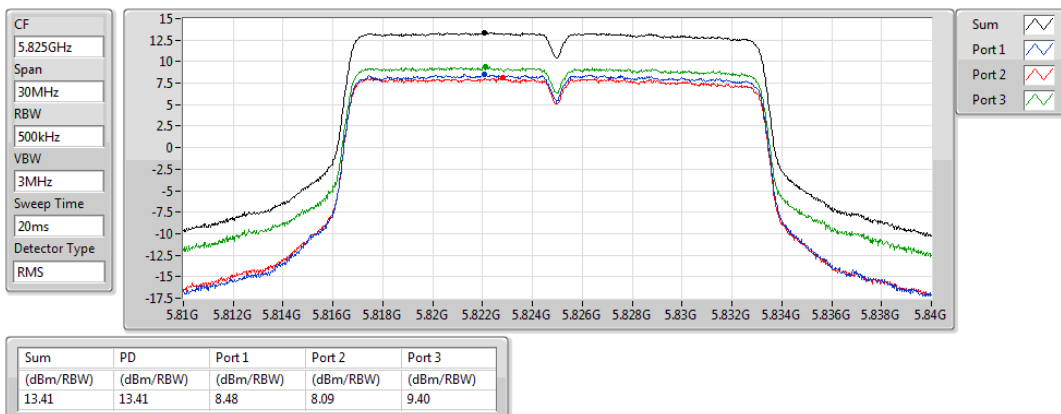


802.11a_Nss1,(6Mbps)_3TX

PSD

5825MHz

14/01/2021

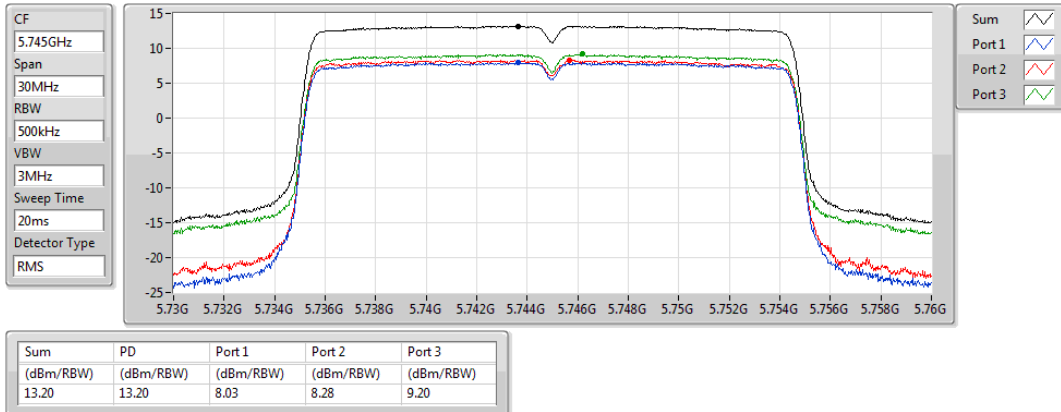


802.11ax HEW20_Nss1,(MCS0)_3TX

PSD

5745MHz

14/01/2021

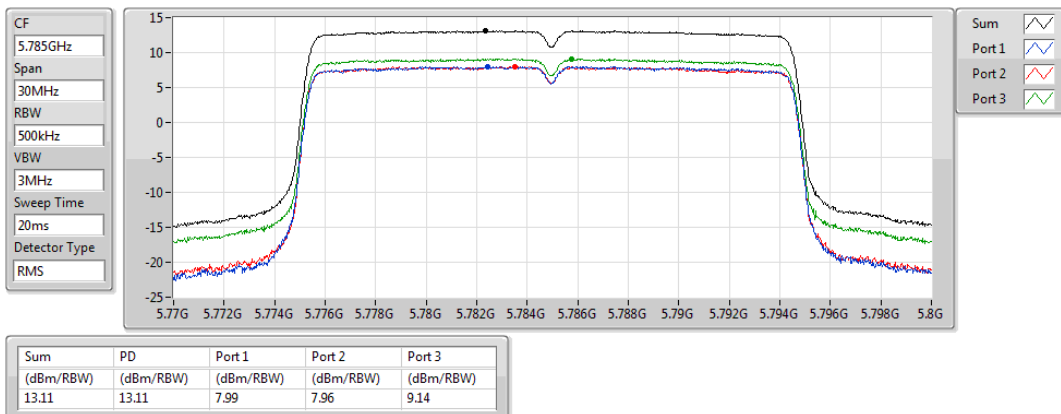


802.11ax HEW20_Nss1,(MCS0)_3TX

PSD

5785MHz

14/01/2021

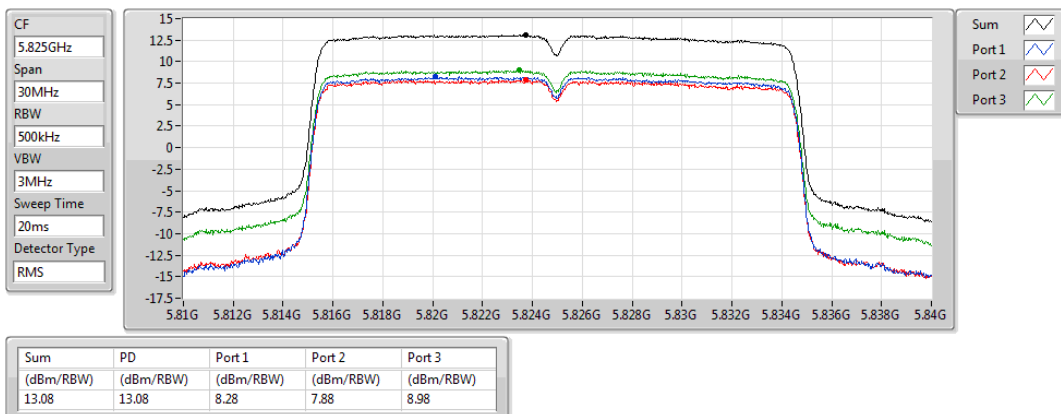


802.11ax HEW20_Nss1,(MCS0)_3TX

PSD

5825MHz

14/01/2021

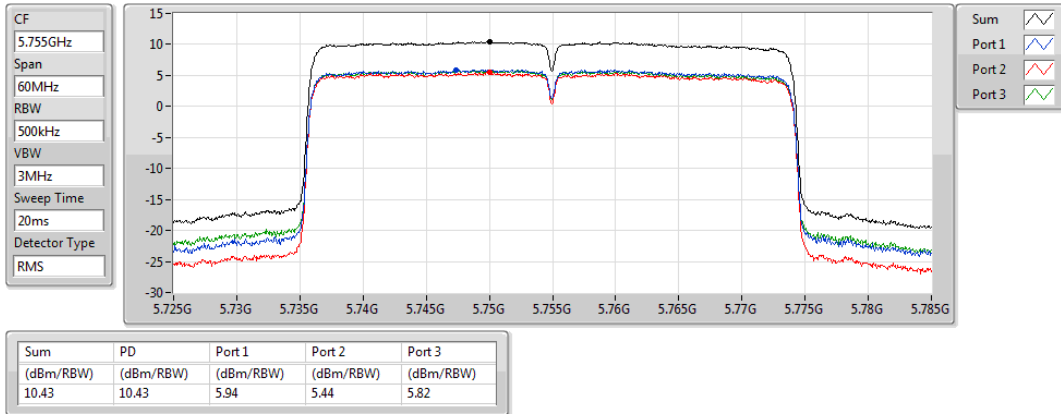


802.11ax HEW40_Nss1,(MCS0)_3TX

PSD

5755MHz

14/01/2021

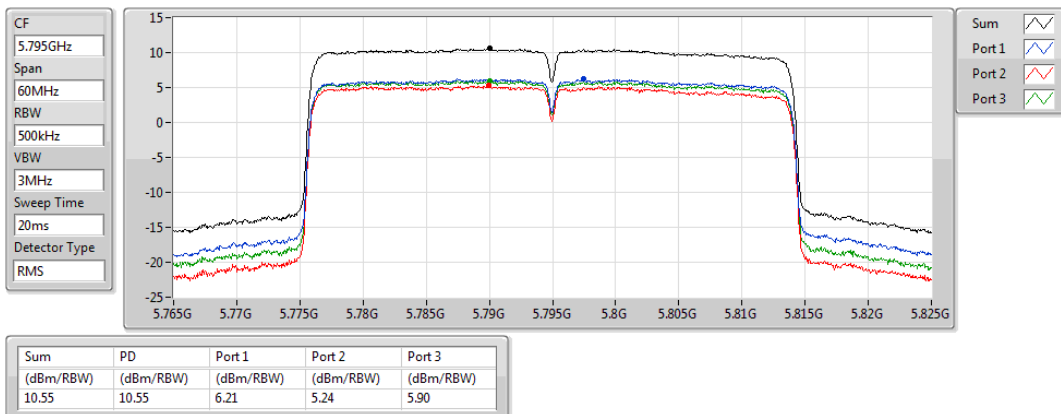


802.11ax HEW40_Nss1,(MCS0)_3TX

PSD

5795MHz

14/01/2021

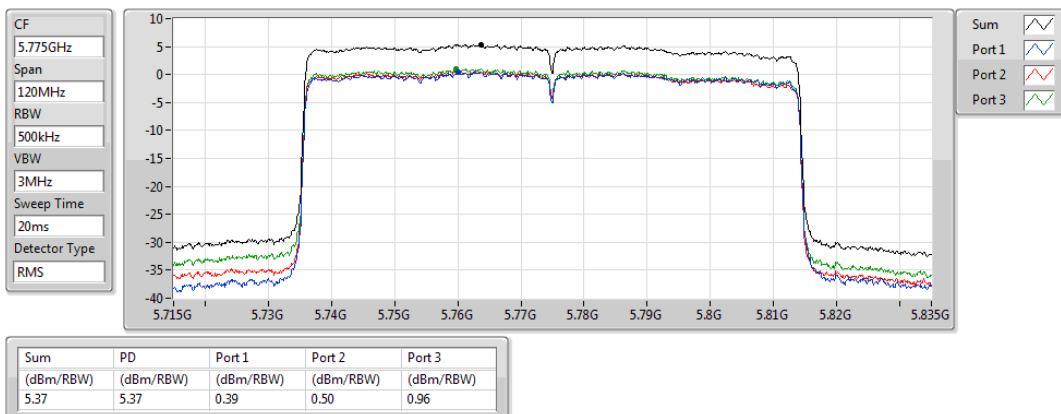


802.11ax HEW80_Nss1,(MCS0)_3TX

PSD

5775MHz

14/01/2021





Radiated Emissions below 1GHz

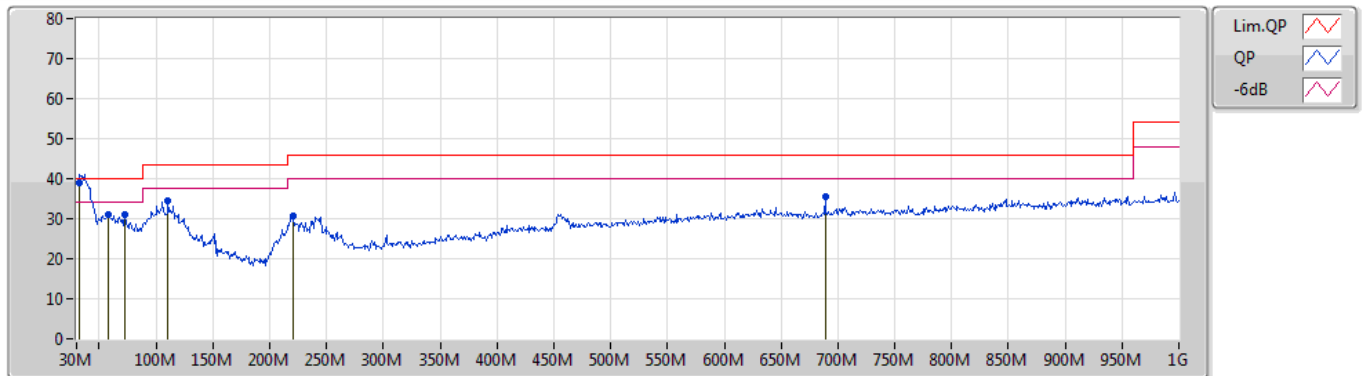
Appendix E.1

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	32.91M	38.95	40.00	-1.05	Vertical

Mode 1

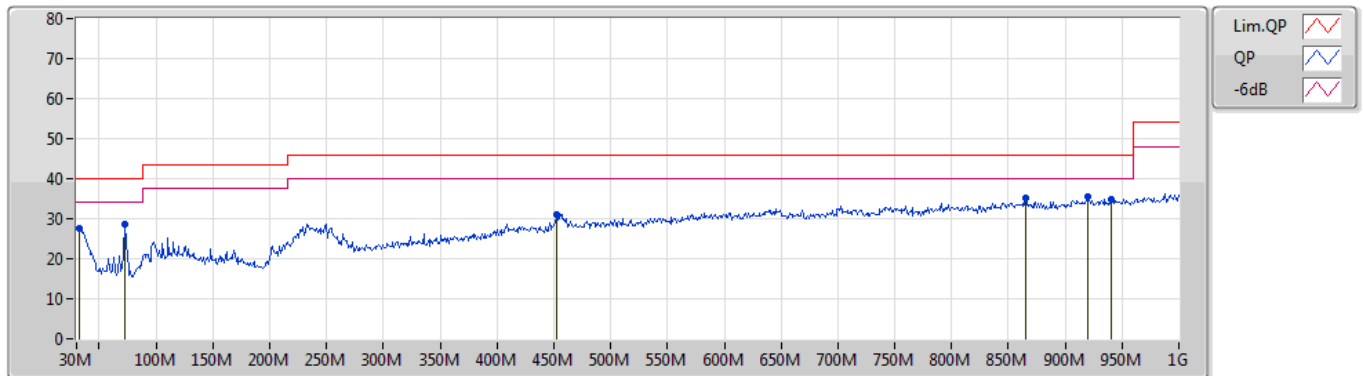
22/01/2021



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	32.91M	38.95	40.00	-1.05	-9.15	3	Vertical	222	1.25	"Worst"	48.10	22.23	1.00	32.38
PK	58.13M	31.18	40.00	-8.82	-18.57	3	Vertical	38	1.00	-	49.75	12.45	1.36	32.38
PK	72.68M	30.87	40.00	-9.13	-18.69	3	Vertical	106	1.00	-	49.56	12.16	1.50	32.35
PK	110.51M	34.33	43.50	-9.17	-12.41	3	Vertical	227	1.00	-	46.74	17.99	1.91	32.31
PK	220.12M	30.60	46.00	-15.40	-14.28	3	Vertical	142	1.00	-	44.88	15.21	2.72	32.21
PK	688.63M	35.40	46.00	-10.60	-1.98	3	Vertical	172	1.00	-	37.38	24.99	5.05	32.02

Mode 1

22/01/2021



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	31.94M	27.63	40.00	-12.37	-8.56	3	Horizontal	232	1.50	-	36.19	22.81	1.00	32.37
PK	72.68M	28.47	40.00	-11.53	-18.69	3	Horizontal	94	2.00	-	47.16	12.16	1.50	32.35
PK	452.92M	31.18	46.00	-14.82	-5.13	3	Horizontal	360	2.00	-	36.31	22.90	4.02	32.05
PK	865.17M	35.06	46.00	-10.94	0.52	3	Horizontal	346	1.25	-	34.54	26.20	5.76	31.44
PK	919.49M	35.60	46.00	-10.40	1.50	3	Horizontal	359	1.00	"Worst"	34.10	26.66	5.98	31.14
PK	940.83M	34.80	46.00	-11.20	1.80	3	Horizontal	349	2.00	-	33.00	26.69	6.06	30.95



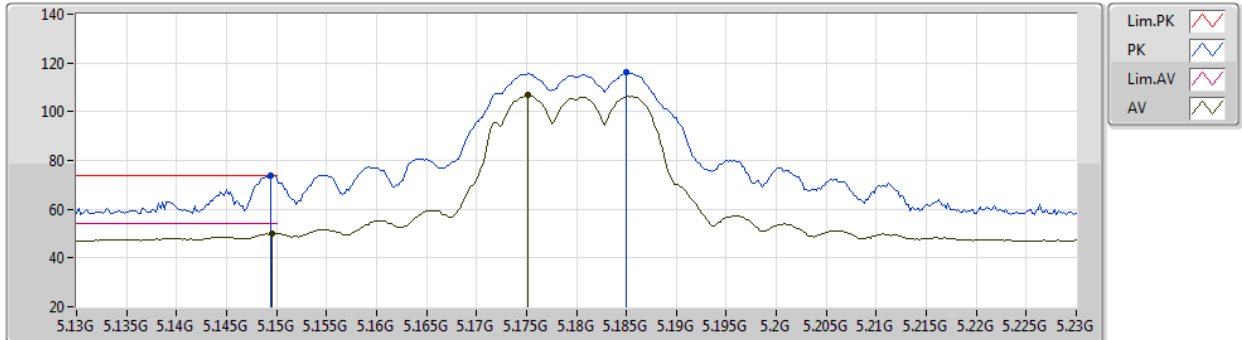
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1.(MCS0)_2TX	Pass	AV	5.15G	53.81	54.00	-0.19	3	Vertical	142	1.71	-

802.11a_Nss1,(6Mbps)_2TX

13/01/2021

5180MHz_TX



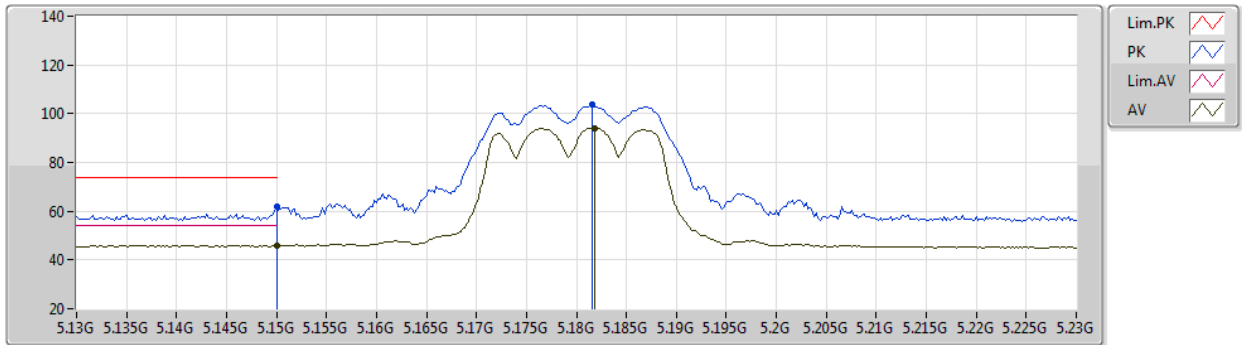
EUT Y_2TX
Setting 73
06-C-J-7-10

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	73.77	74.00	-0.23	68.60	3	Vertical	141	1.74	-	31.80	5.00	31.63
AV	5.1496G	50.00	54.00	-4.00	44.83	3	Vertical	141	1.74	-	31.80	5.00	31.63
PK	5.185G	115.98	Inf	-Inf	110.98	3	Vertical	141	1.74	-	31.66	5.00	31.66
AV	5.1752G	106.66	Inf	-Inf	101.61	3	Vertical	141	1.74	-	31.70	5.00	31.65

802.11a_Nss1,(6Mbps)_2TX

13/01/2021

5180MHz_TX



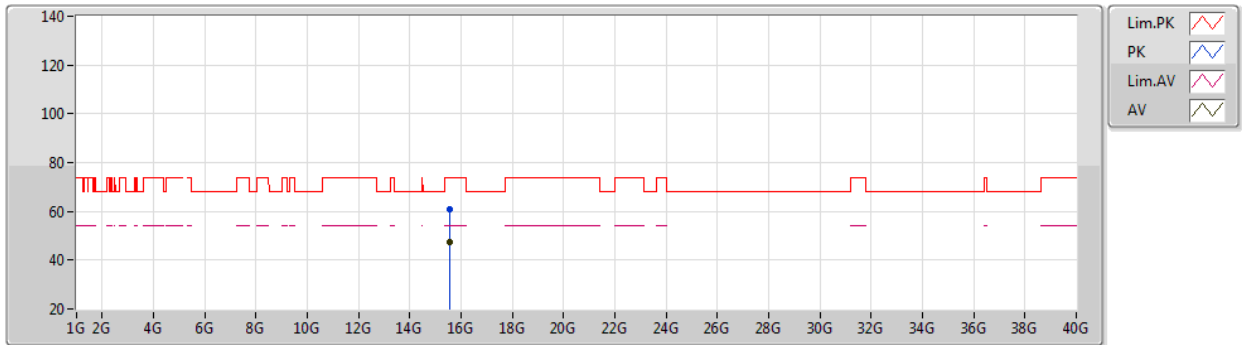
EUT Y_2TX
Setting 73
06-C-J-7-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.15G	61.64	74.00	-12.36	56.47	3	Horizontal	43	1.61	-	31.80	5.00	31.63
AV	5.15G	46.03	54.00	-7.97	40.86	3	Horizontal	43	1.61	-	31.80	5.00	31.63
PK	5.1816G	103.57	Inf	-Inf	98.55	3	Horizontal	43	1.61	-	31.67	5.00	31.65
AV	5.1818G	94.14	Inf	-Inf	89.12	3	Horizontal	43	1.61	-	31.67	5.00	31.65

802.11a_Nss1,(6Mbps)_2TX

13/01/2021

5180MHz_TX



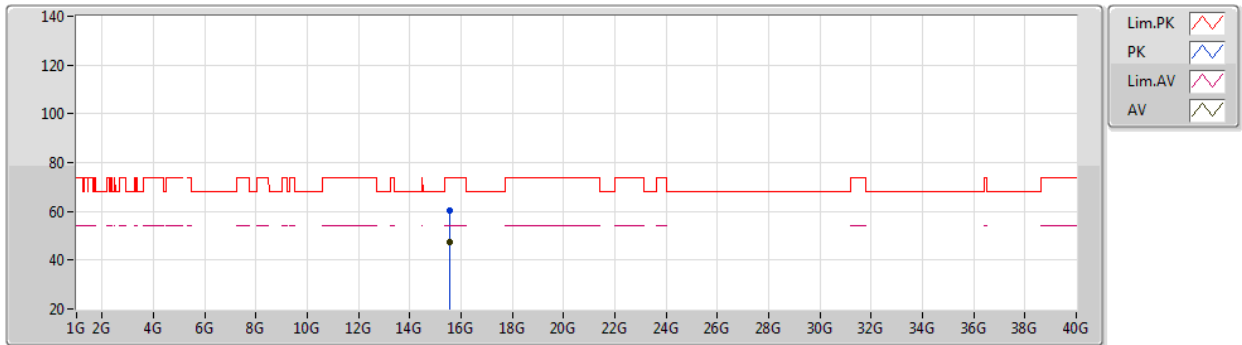
EUT Y_2TX
Setting 73
06-C-J-7

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	15.54003G	60.72	74.00	-13.28	45.05	3	Vertical	301	1.72	-	39.22	10.37	33.92
AV	15.53951G	47.39	54.00	-6.61	31.72	3	Vertical	301	1.72	-	39.22	10.37	33.92

802.11a_Nss1,(6Mbps)_2TX

13/01/2021

5180MHz_TX



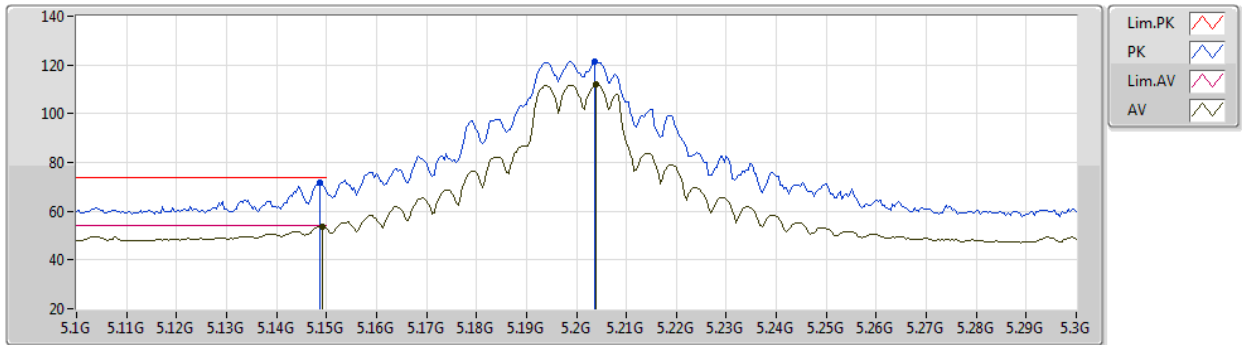
EUT Y_2TX
Setting 73
06-C-J-7

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	15.54051G	60.57	74.00	-13.43	44.90	3	Horizontal	45	1.06	-	39.22	10.37	33.92
AV	15.54049G	47.33	54.00	-6.67	31.66	3	Horizontal	45	1.06	-	39.22	10.37	33.92

802.11a_Nss1,(6Mbps)_2TX

13/01/2021

5200MHz_TX



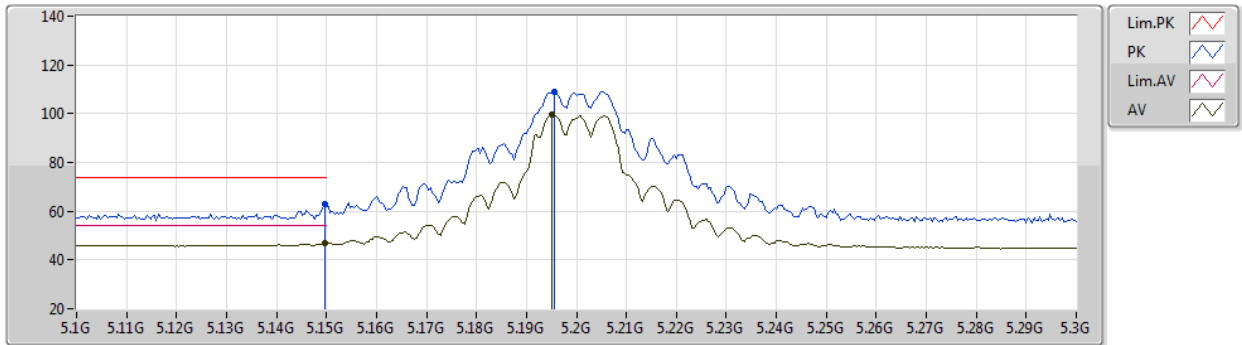
EUT Y_2TX
Setting 96
06-C-J-7-10

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	71.59	74.00	-2.41	66.42	3	Vertical	140	1.83	-	31.80	5.00	31.63
AV	5.1492G	53.79	54.00	-0.21	48.62	3	Vertical	140	1.83	-	31.80	5.00	31.63
PK	5.2036G	121.50	Inf	-Inf	116.59	3	Vertical	140	1.83	-	31.58	5.00	31.67
AV	5.204G	112.06	Inf	-Inf	107.15	3	Vertical	140	1.83	-	31.58	5.00	31.67

802.11a_Nss1,(6Mbps)_2TX

13/01/2021

5200MHz_TX



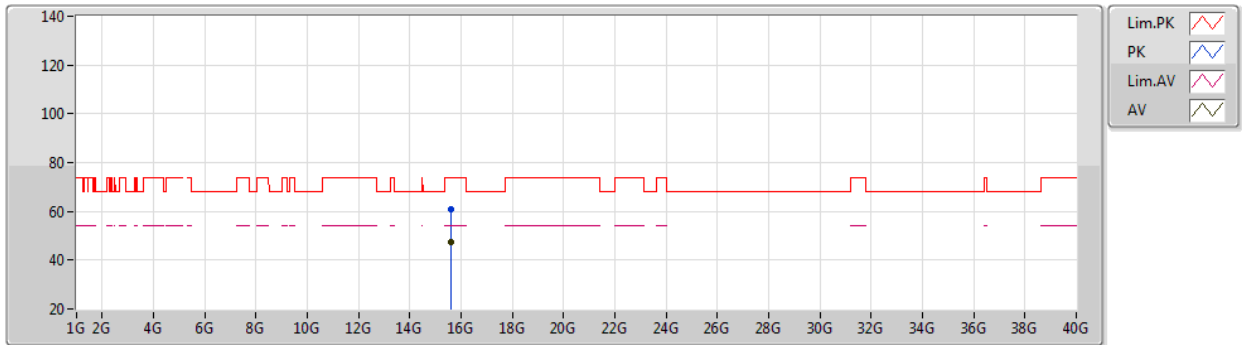
EUT Y_2TX
Setting 96
06-C-J-7-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1496G	62.92	74.00	-11.08	57.75	3	Horizontal	41	1.80	-	31.80	5.00	31.63
AV	5.1496G	46.92	54.00	-7.08	41.75	3	Horizontal	41	1.80	-	31.80	5.00	31.63
PK	5.1956G	109.06	Inf	-Inf	104.10	3	Horizontal	41	1.80	-	31.62	5.00	31.66
AV	5.1952G	99.62	Inf	-Inf	94.66	3	Horizontal	41	1.80	-	31.62	5.00	31.66

802.11a_Nss1,(6Mbps)_2TX

13/01/2021

5200MHz_TX



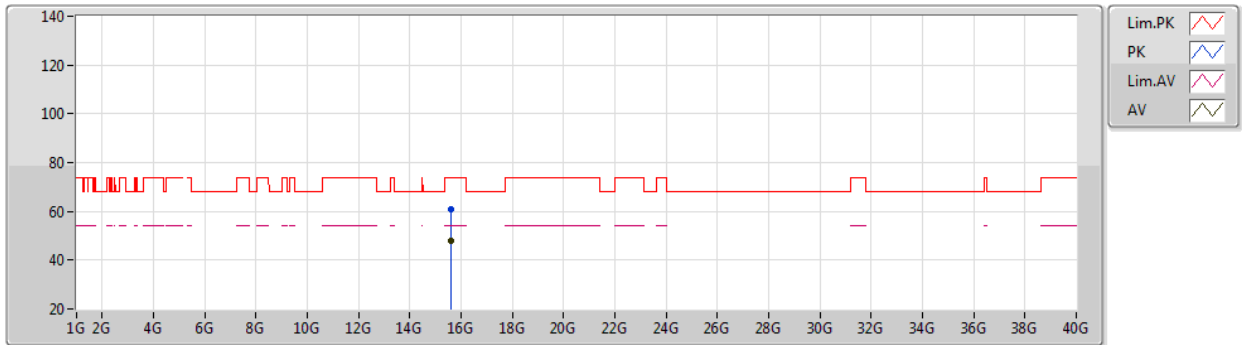
EUT Y_2TX
Setting 96
06-C-J-7

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	15.60092G	60.75	74.00	-13.25	45.51	3	Vertical	74	2.54	-	38.80	10.40	33.96
AV	15.59913G	47.51	54.00	-6.49	32.26	3	Vertical	74	2.54	-	38.81	10.40	33.96

802.11a_Nss1,(6Mbps)_2TX

13/01/2021

5200MHz_TX



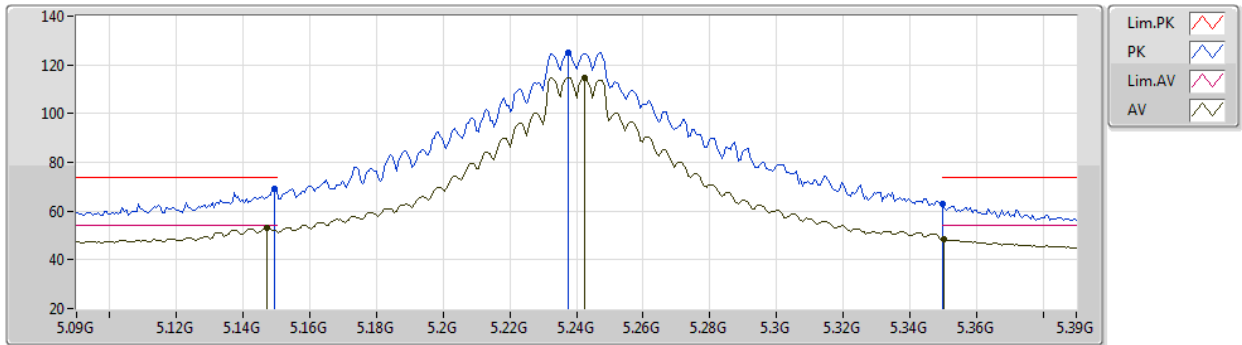
EUT Y_2TX
Setting 96
06-C-J-7

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	15.5992G	60.71	74.00	-13.29	45.46	3	Horizontal	222	2.35	-	38.81	10.40	33.96
AV	15.6027G	48.02	54.00	-5.98	32.78	3	Horizontal	222	2.35	-	38.80	10.40	33.96

802.11a_Nss1,(6Mbps)_2TX

13/01/2021

5240MHz_TX



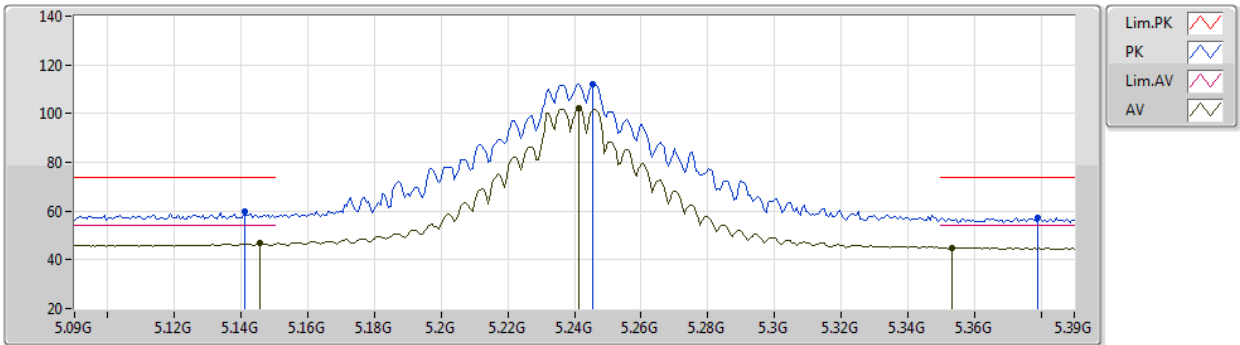
EUT Y_2TX
Setting 108
06-C-J-7-10

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	69.36	74.00	-4.64	64.19	3	Vertical	146	1.64	-	31.80	5.00	31.63
AV	5.147G	53.22	54.00	-0.78	48.05	3	Vertical	146	1.64	-	31.80	5.00	31.63
PK	5.2376G	125.03	Inf	-Inf	120.35	3	Vertical	146	1.64	-	31.37	5.00	31.69
AV	5.2424G	114.87	Inf	-Inf	110.21	3	Vertical	146	1.64	-	31.35	5.00	31.69
PK	5.35G	63.08	74.00	-10.92	58.65	3	Vertical	146	1.64	-	31.20	5.00	31.77
AV	5.3504G	48.50	54.00	-5.50	44.07	3	Vertical	146	1.64	-	31.20	5.00	31.77

802.11a_Nss1,(6Mbps)_2TX

13/01/2021

5240MHz_TX



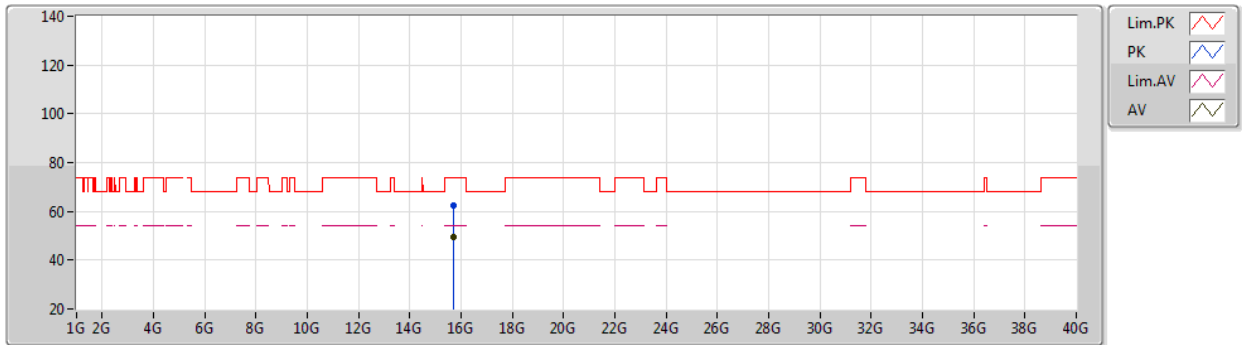
EUT Y_2TX
Setting 108
06-C-J-7-10

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	59.61	74.00	-14.39	54.44	3	Horizontal	39	1.76	-	31.80	5.00	31.63
AV	5.1458G	46.69	54.00	-7.31	41.52	3	Horizontal	39	1.76	-	31.80	5.00	31.63
PK	5.2454G	112.16	Inf	-Inf	107.53	3	Horizontal	39	1.76	-	31.33	5.00	31.70
AV	5.2412G	102.07	Inf	-Inf	97.41	3	Horizontal	39	1.76	-	31.35	5.00	31.69
PK	5.3792G	57.41	74.00	-16.59	52.82	3	Horizontal	39	1.76	-	31.38	5.00	31.79
AV	5.3534G	45.03	54.00	-8.97	40.58	3	Horizontal	39	1.76	-	31.22	5.00	31.77

802.11a_Nss1,(6Mbps)_2TX

13/01/2021

5240MHz_TX



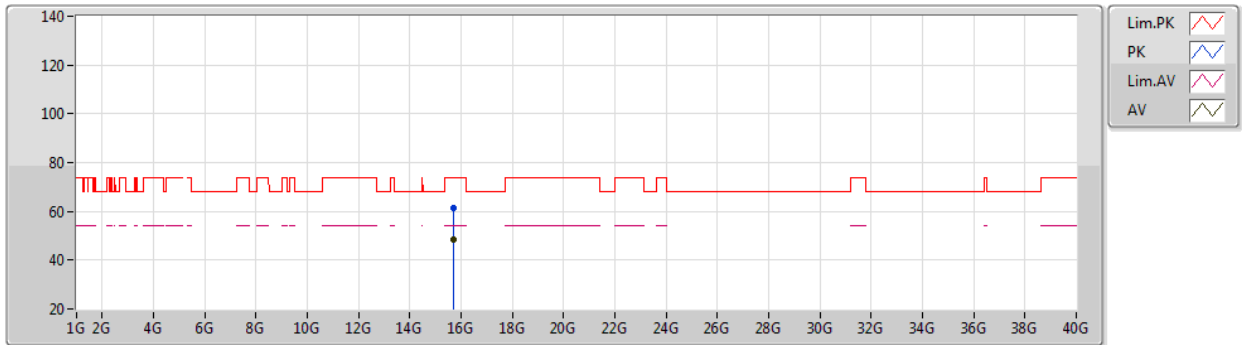
EUT Y_2TX
Setting 108
06-C-J-7

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	15.7141G	62.40	74.00	-11.60	47.15	3	Vertical	319	2.43	-	38.83	10.46	34.04
AV	15.7203G	49.47	54.00	-4.53	34.26	3	Vertical	319	2.43	-	38.80	10.46	34.05

802.11a_Nss1,(6Mbps)_2TX

13/01/2021

5240MHz_TX



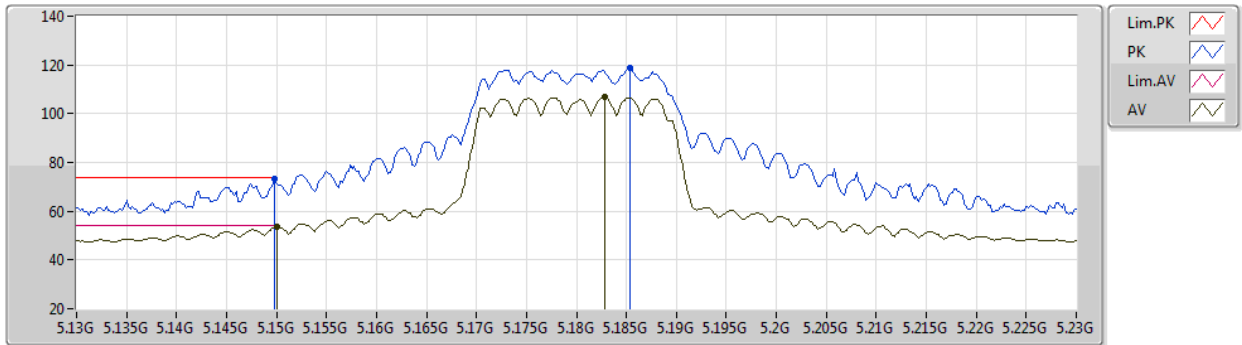
EUT Y_2TX
Setting 108
06-C-J-7

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	15.7165G	61.35	74.00	-12.65	46.12	3	Horizontal	14	1.80	-	38.82	10.46	34.05
AV	15.7175G	48.43	54.00	-5.57	33.21	3	Horizontal	14	1.80	-	38.81	10.46	34.05

802.11ax HEW20_Nss1,(MCS0)_2TX

13/01/2021

5180MHz_TX



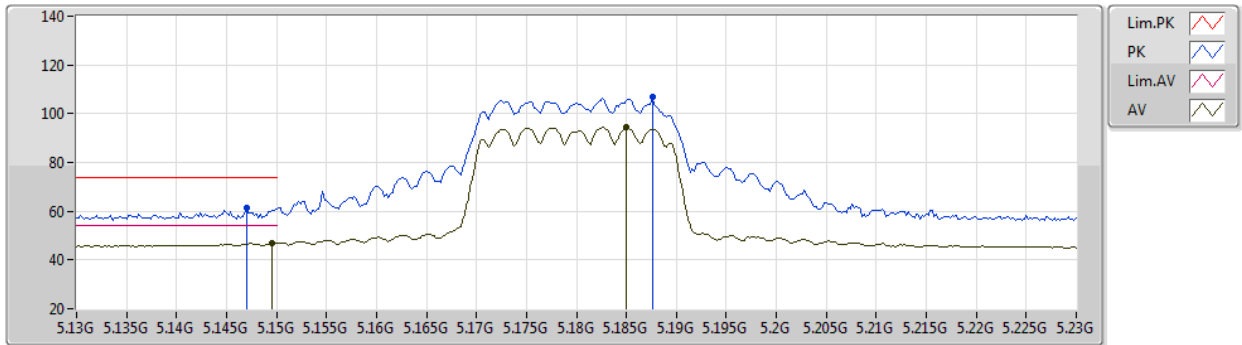
EUT Y_2TX
Setting 78
06-C-J-7-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1498G	73.02	74.00	-0.98	67.85	3	Vertical	142	1.73	-	31.80	5.00	31.63
AV	5.15G	53.72	54.00	-0.28	48.55	3	Vertical	142	1.73	-	31.80	5.00	31.63
PK	5.1854G	118.90	Inf	-Inf	113.90	3	Vertical	142	1.73	-	31.66	5.00	31.66
AV	5.1828G	106.76	Inf	-Inf	101.74	3	Vertical	142	1.73	-	31.67	5.00	31.65

802.11ax HEW20_Nss1,(MCS0)_2TX

13/01/2021

5180MHz_TX



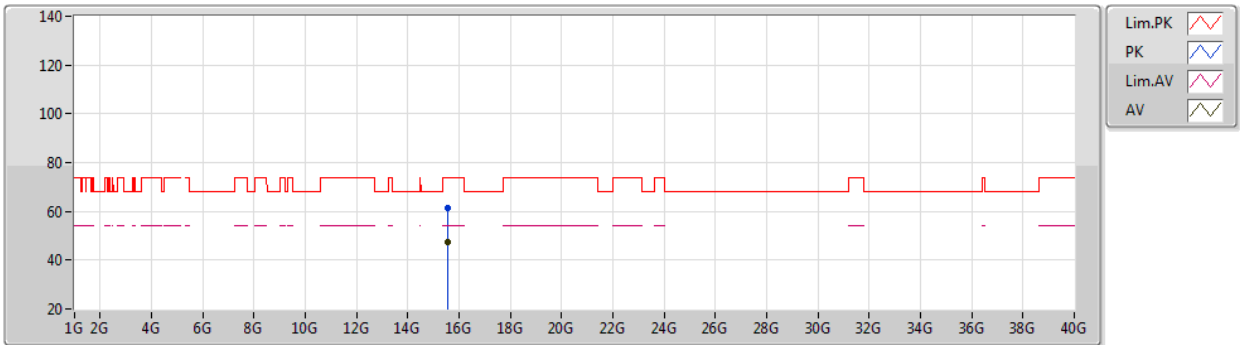
EUT Y_2TX
Setting 78
06-C-J-7-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.147G	61.14	74.00	-12.86	55.97	3	Horizontal	43	1.80	-	31.80	5.00	31.63
AV	5.1496G	47.09	54.00	-6.91	41.92	3	Horizontal	43	1.80	-	31.80	5.00	31.63
PK	5.1876G	106.76	Inf	-Inf	101.77	3	Horizontal	43	1.80	-	31.65	5.00	31.66
AV	5.185G	94.30	Inf	-Inf	89.30	3	Horizontal	43	1.80	-	31.66	5.00	31.66

802.11ax HEW20_Nss1,(MCS0)_2TX

13/01/2021

5180MHz_TX



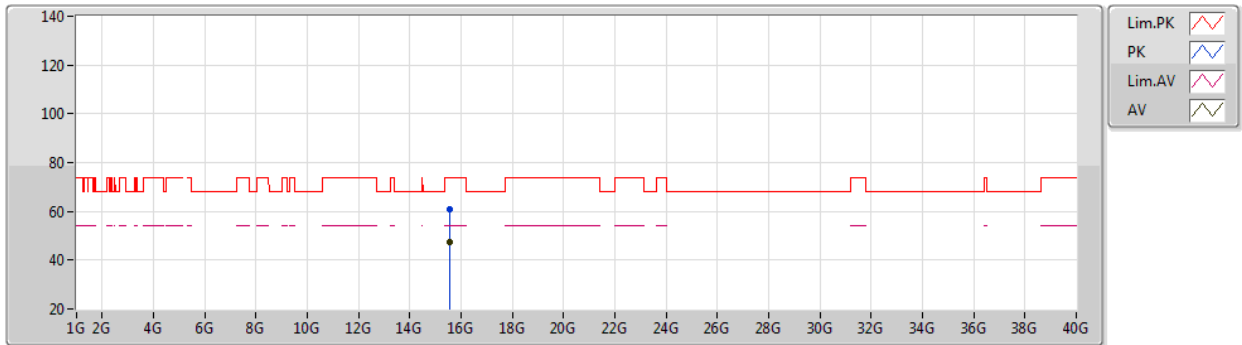
EUT Y_2TX
Setting 78
06-C-J-7

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	15.53962G	61.33	74.00	-12.67	45.66	3	Vertical	357	2.74	-	39.22	10.37	33.92
AV	15.53937G	47.26	54.00	-6.74	31.59	3	Vertical	357	2.74	-	39.22	10.37	33.92

802.11ax HEW20_Nss1,(MCS0)_2TX

13/01/2021

5180MHz_TX



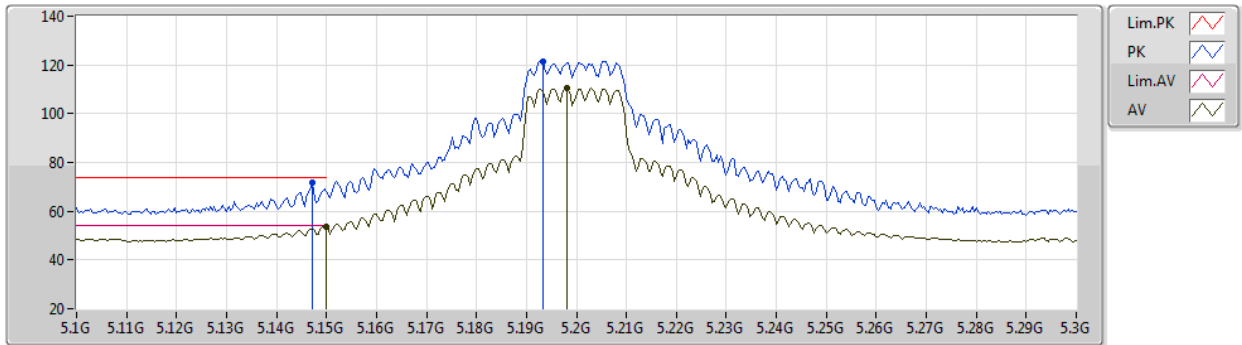
EUT Y_2TX
Setting 78
06-C-J-7

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	15.53915G	60.67	74.00	-13.33	44.99	3	Horizontal	246	1.26	-	39.23	10.37	33.92	
AV	15.53967G	47.38	54.00	-6.62	31.71	3	Horizontal	246	1.26	-	39.22	10.37	33.92	

802.11ax HEW20_Nss1,(MCS0)_2TX

13/01/2021

5200MHz_TX



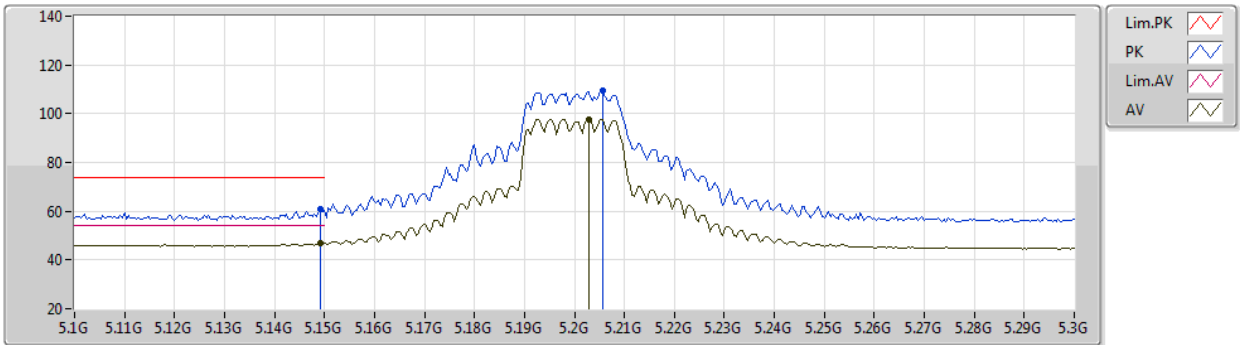
EUT Y_2TX
Setting 94
06-C-J-7-10

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	5.1472G	71.48	74.00	-2.52	66.31	3	Vertical	142	1.71	-	31.80	5.00	31.63
AV	5.15G	53.81	54.00	-0.19	48.64	3	Vertical	142	1.71	-	31.80	5.00	31.63
PK	5.1932G	121.58	Inf	-Inf	116.61	3	Vertical	142	1.71	-	31.63	5.00	31.66
AV	5.198G	110.29	Inf	-Inf	105.34	3	Vertical	142	1.71	-	31.61	5.00	31.66

802.11ax HEW20_Nss1,(MCS0)_2TX

13/01/2021

5200MHz_TX



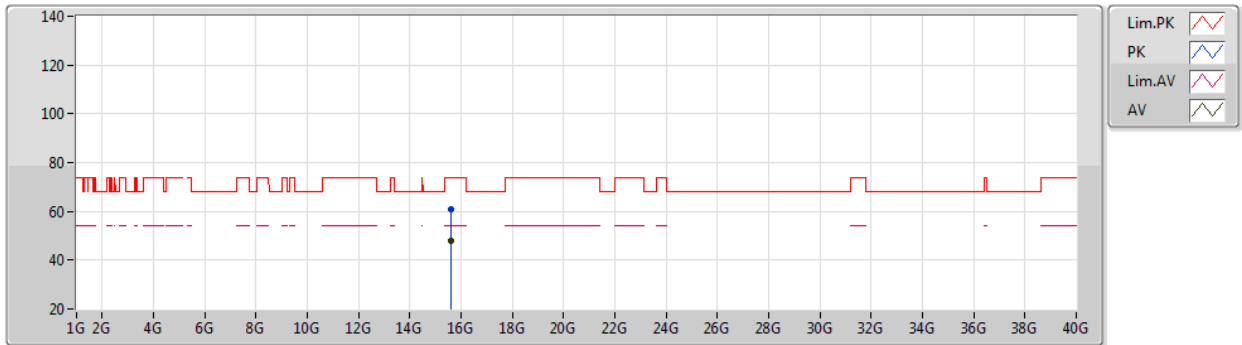
EUT Y_2TX
Setting 94
06-C-J-7-10

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	60.67	74.00	-13.33	55.50	3	Horizontal	41	1.78	-	31.80	5.00	31.63	
AV	5.1492G	46.95	54.00	-7.05	41.78	3	Horizontal	41	1.78	-	31.80	5.00	31.63	
PK	5.2056G	109.47	Inf	-Inf	104.57	3	Horizontal	41	1.78	-	31.57	5.00	31.67	
AV	5.2028G	97.84	Inf	-Inf	92.93	3	Horizontal	41	1.78	-	31.58	5.00	31.67	

802.11ax HEW20_Nss1,(MCS0)_2TX

13/01/2021

5200MHz_TX



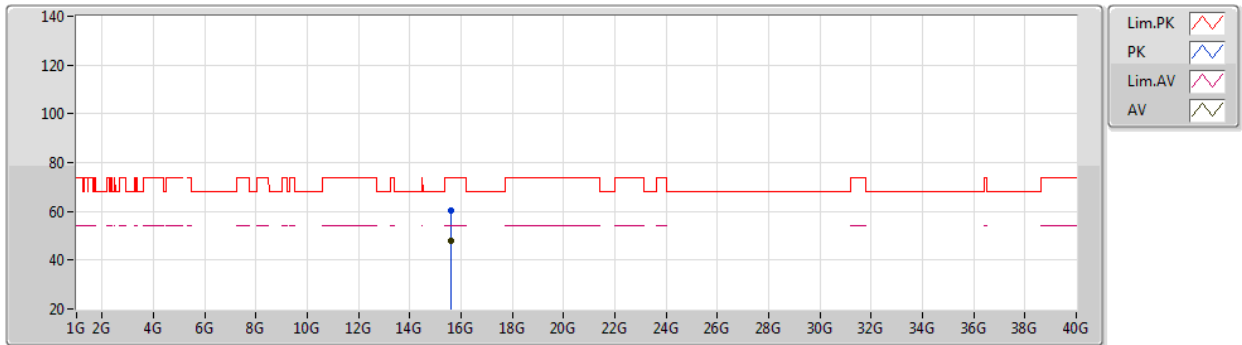
EUT Y_2TX
Setting 94
06-C-J-7

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	15.60014G	61.10	74.00	-12.90	45.86	3	Vertical	303	2.63	-	38.80	10.40	33.96
AV	15.601G	47.77	54.00	-6.23	32.53	3	Vertical	303	2.63	-	38.80	10.40	33.96

802.11ax HEW20_Nss1,(MCS0)_2TX

13/01/2021

5200MHz_TX



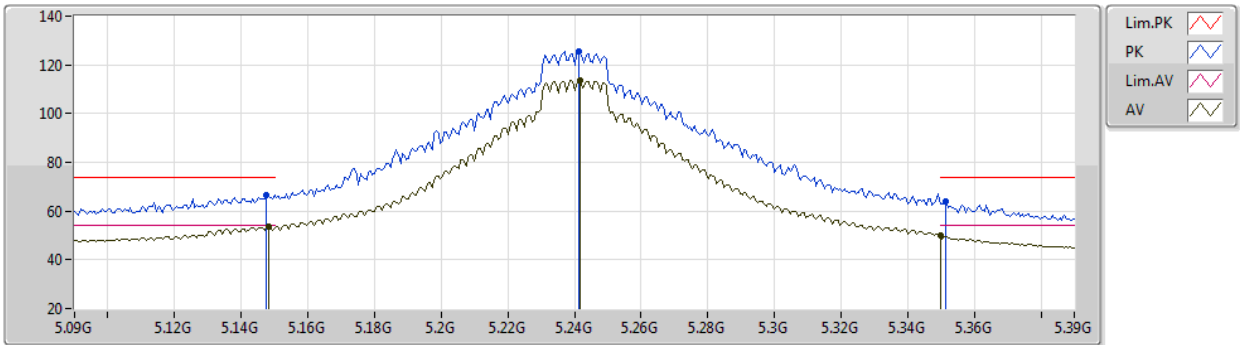
EUT Y_2TX
Setting 94
06-C-J-7

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	15.60065G	60.56	74.00	-13.44	45.32	3	Horizontal	326	2.30	-	38.80	10.40	33.96	
AV	15.59929G	47.70	54.00	-6.30	32.46	3	Horizontal	326	2.30	-	38.80	10.40	33.96	

802.11ax HEW20_Nss1,(MCS0)_2TX

13/01/2021

5240MHz_TX



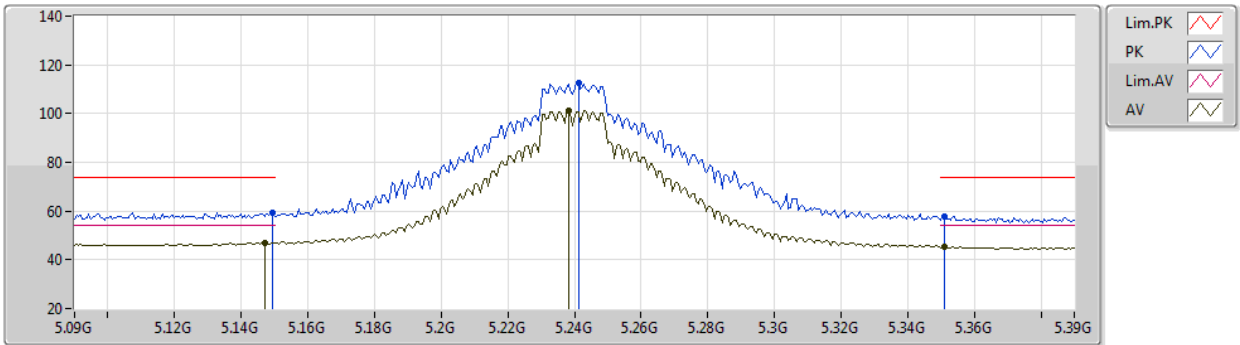
EUT Y_2TX
Setting 108
06-C-J-7-10

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	66.66	74.00	-7.34	61.49	3	Vertical	145	1.61	-	31.80	5.00	31.63
AV	5.1482G	53.69	54.00	-0.31	48.52	3	Vertical	145	1.61	-	31.80	5.00	31.63
PK	5.2412G	125.37	Inf	-Inf	120.71	3	Vertical	145	1.61	-	31.35	5.00	31.69
AV	5.2418G	113.46	Inf	-Inf	108.80	3	Vertical	145	1.61	-	31.35	5.00	31.69
PK	5.3516G	63.87	74.00	-10.13	59.43	3	Vertical	145	1.61	-	31.21	5.00	31.77
AV	5.35G	49.93	54.00	-4.07	45.50	3	Vertical	145	1.61	-	31.20	5.00	31.77

802.11ax HEW20_Nss1,(MCS0)_2TX

13/01/2021

5240MHz_TX



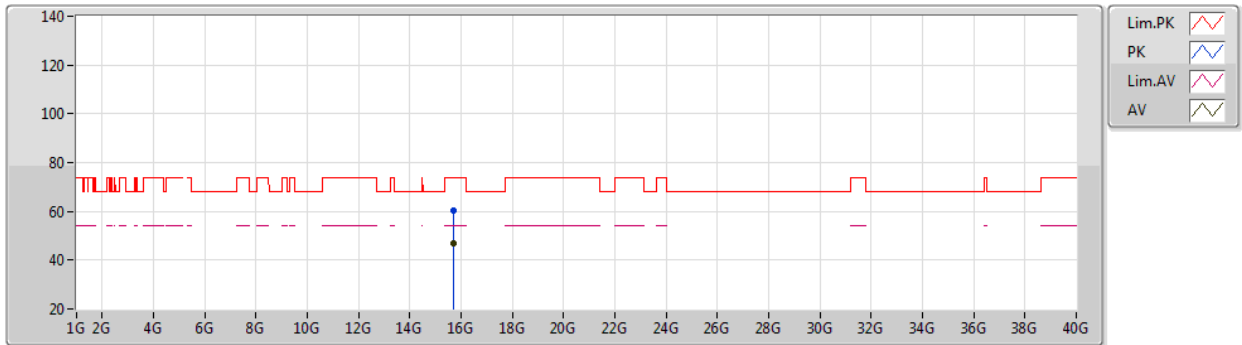
EUT Y_2TX
Setting 108
06-C-J-7-10

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	59.17	74.00	-14.83	54.00	3	Horizontal	39	1.75	-	31.80	5.00	31.63
AV	5.147G	47.13	54.00	-6.87	41.96	3	Horizontal	39	1.75	-	31.80	5.00	31.63
PK	5.2412G	112.59	Inf	-Inf	107.93	3	Horizontal	39	1.75	-	31.35	5.00	31.69
AV	5.2382G	101.08	Inf	-Inf	96.40	3	Horizontal	39	1.75	-	31.37	5.00	31.69
PK	5.351G	57.75	74.00	-16.25	53.31	3	Horizontal	39	1.75	-	31.21	5.00	31.77
AV	5.351G	45.42	54.00	-8.58	40.98	3	Horizontal	39	1.75	-	31.21	5.00	31.77

802.11ax HEW20_Nss1,(MCS0)_2TX

13/01/2021

5240MHz_TX



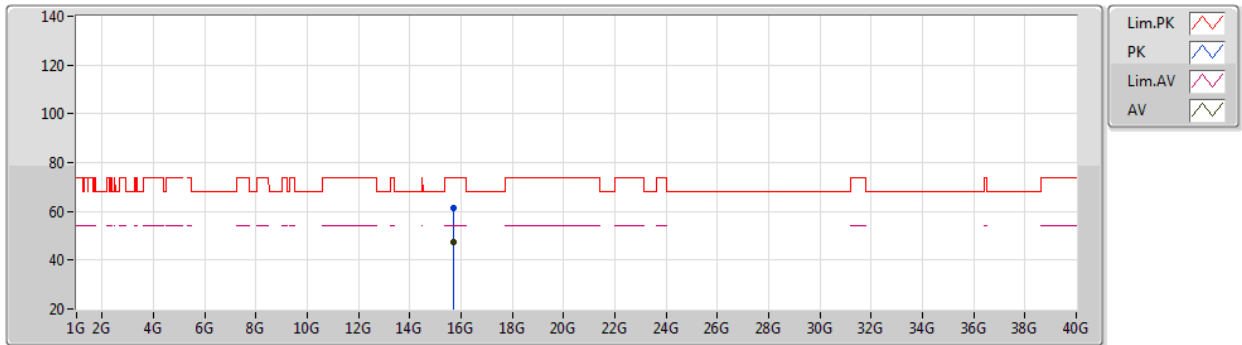
EUT Y_2TX
Setting 108
06-C-J-7

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	15.71949G	60.58	74.00	-13.42	45.37	3	Vertical	272	1.26	-	38.80	10.46	34.05
AV	15.71903G	46.91	54.00	-7.09	31.70	3	Vertical	272	1.26	-	38.80	10.46	34.05

802.11ax HEW20_Nss1,(MCS0)_2TX

13/01/2021

5240MHz_TX



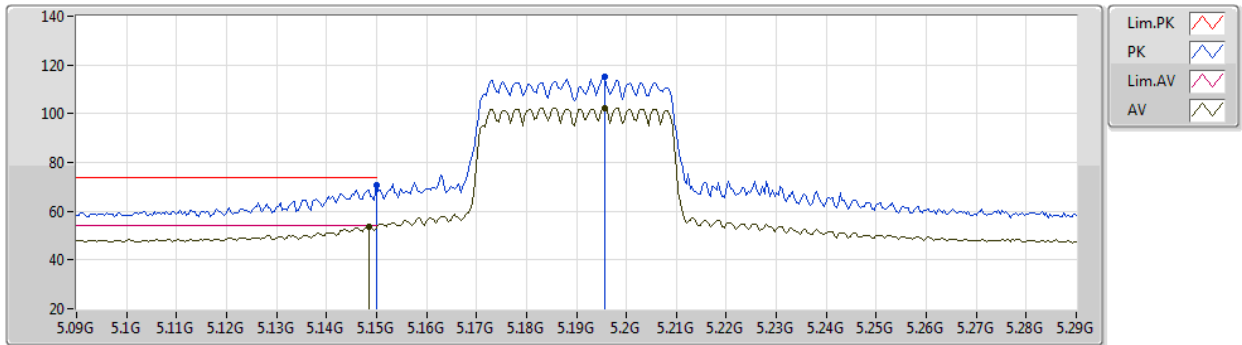
EUT Y_2TX
Setting 108
06-C-J-7

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	15.71937G	61.15	74.00	-12.85	45.94	3	Horizontal	86	1.19	-	38.80	10.46	34.05
AV	15.71987G	47.66	54.00	-6.34	32.45	3	Horizontal	86	1.19	-	38.80	10.46	34.05

802.11ax HEW40_Nss1,(MCS0)_2TX

13/01/2021

5190MHz_TX



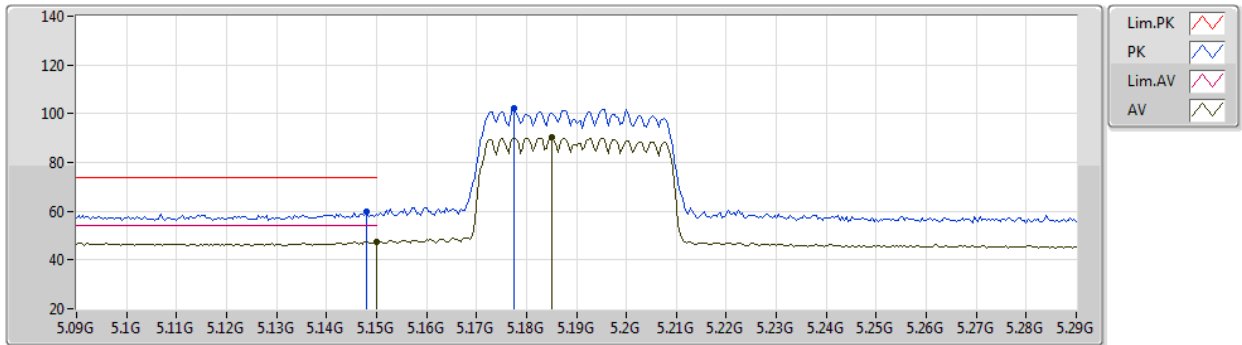
EUT Y_2TX
Setting 74
06-C-J-7-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.15G	70.48	74.00	-3.52	65.31	3	Vertical	144	1.70	-	31.80	5.00	31.63
AV	5.1484G	53.79	54.00	-0.21	48.62	3	Vertical	144	1.70	-	31.80	5.00	31.63
PK	5.1956G	115.01	Inf	-Inf	110.05	3	Vertical	144	1.70	-	31.62	5.00	31.66
AV	5.1956G	102.46	Inf	-Inf	97.50	3	Vertical	144	1.70	-	31.62	5.00	31.66

802.11ax HEW40_Nss1,(MCS0)_2TX

13/01/2021

5190MHz_TX



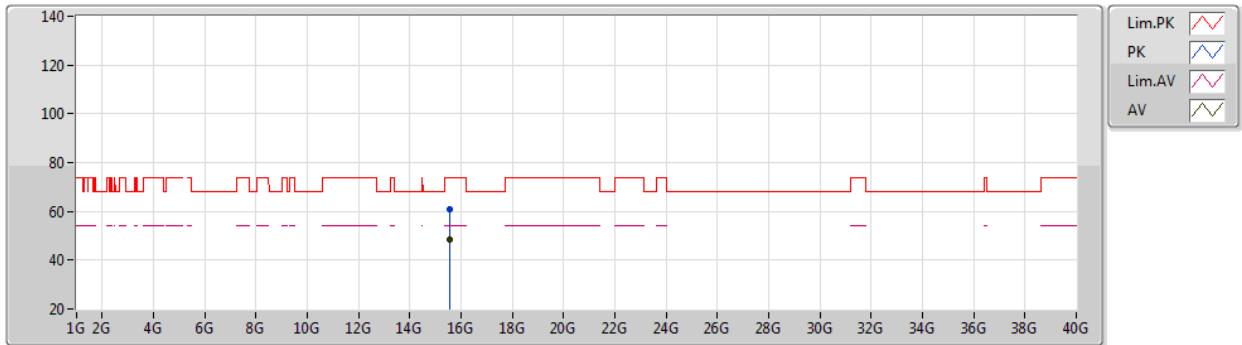
EUT Y_2TX
Setting 74
06-C-J-7-10

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	5.148G	59.82	74.00	-14.18	54.65	3	Horizontal	44	1.80	-	31.80	5.00	31.63	
AV	5.15G	47.52	54.00	-6.48	42.35	3	Horizontal	44	1.80	-	31.80	5.00	31.63	
PK	5.1776G	102.24	Inf	-Inf	97.20	3	Horizontal	44	1.80	-	31.69	5.00	31.65	
AV	5.1852G	90.10	Inf	-Inf	85.10	3	Horizontal	44	1.80	-	31.66	5.00	31.66	

802.11ax HEW40_Nss1,(MCS0)_2TX

13/01/2021

5190MHz_TX



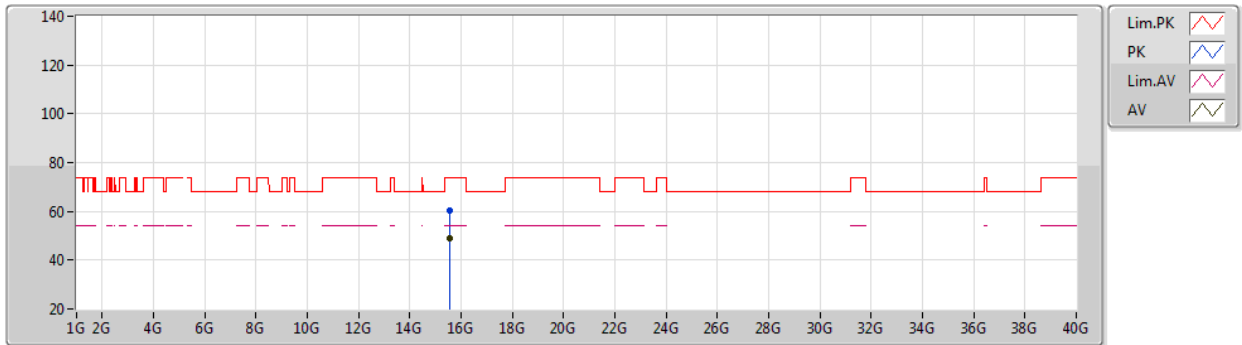
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Setting 74
06-C-J-7

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	15.56958G	60.64	74.00	-13.36	45.19	3	Vertical	111	2.90	-	39.01	10.38	33.94
AV	15.56912G	48.31	54.00	-5.69	32.85	3	Vertical	111	2.90	-	39.02	10.38	33.94

802.11ax HEW40_Nss1,(MCS0)_2TX

13/01/2021

5190MHz_TX



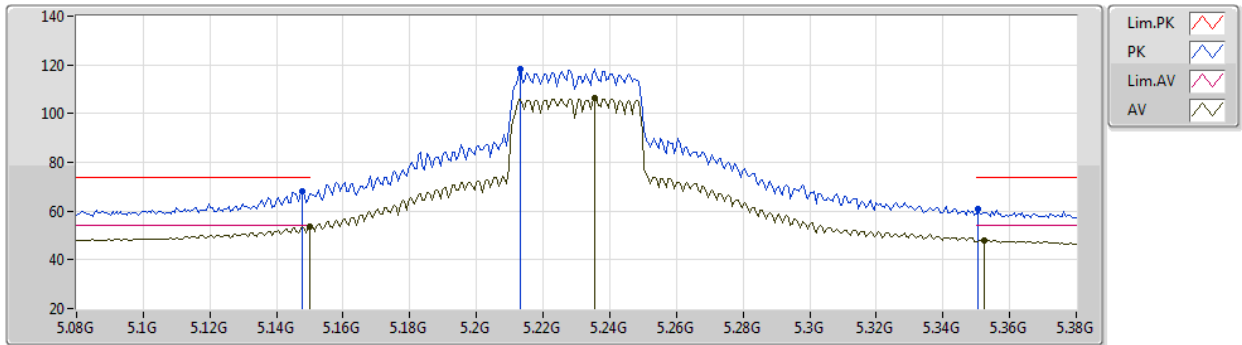
EUT Y_2TX
Setting 74
06-C-J-7

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	15.57009G	60.54	74.00	-13.46	45.08	3	Horizontal	46	1.26	-	39.01	10.39	33.94
AV	15.56926G	48.81	54.00	-5.19	33.35	3	Horizontal	46	1.26	-	39.02	10.38	33.94

802.11ax HEW40_Nss1,(MCS0)_2TX

13/01/2021

5230MHz_TX



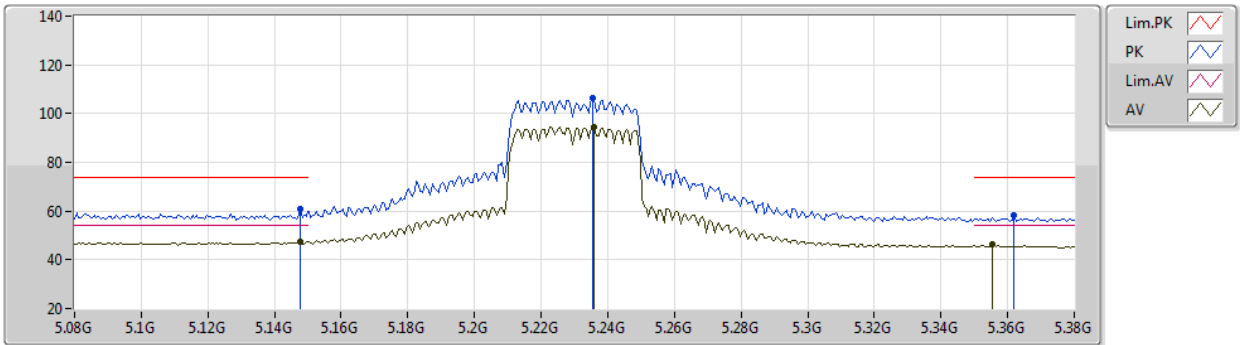
EUT Y_2TX
Setting 90
06-C-J-7-10

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	5.1478G	68.11	74.00	-5.89	62.94	3	Vertical	145	1.73	-	31.80	5.00	31.63
AV	5.15G	53.80	54.00	-0.20	48.63	3	Vertical	145	1.73	-	31.80	5.00	31.63
PK	5.2132G	118.37	Inf	-Inf	113.52	3	Vertical	145	1.73	-	31.52	5.00	31.67
AV	5.2354G	106.23	Inf	-Inf	101.53	3	Vertical	145	1.73	-	31.39	5.00	31.69
PK	5.3506G	60.74	74.00	-13.26	56.31	3	Vertical	145	1.73	-	31.20	5.00	31.77
AV	5.3524G	48.03	54.00	-5.97	43.59	3	Vertical	145	1.73	-	31.21	5.00	31.77

802.11ax HEW40_Nss1,(MCS0)_2TX

13/01/2021

5230MHz_TX



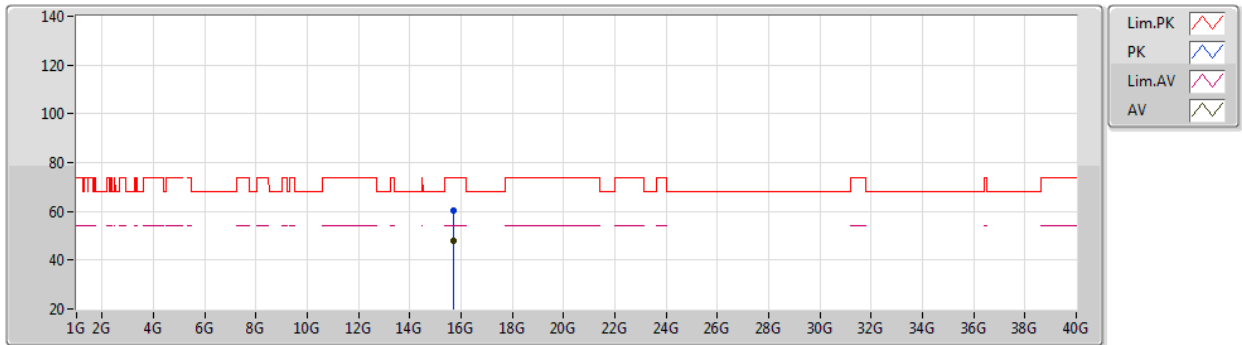
EUT Y_2TX
Setting 90
06-C-J-7-10

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	5.1478G	60.87	74.00	-13.13	55.70	3	Horizontal	39	1.79	-	31.80	5.00	31.63
AV	5.1478G	47.51	54.00	-6.49	42.34	3	Horizontal	39	1.79	-	31.80	5.00	31.63
PK	5.2354G	106.63	Inf	-Inf	101.93	3	Horizontal	39	1.79	-	31.39	5.00	31.69
AV	5.236G	94.49	Inf	-Inf	89.80	3	Horizontal	39	1.79	-	31.38	5.00	31.69
PK	5.362G	58.12	74.00	-15.88	53.63	3	Horizontal	39	1.79	-	31.27	5.00	31.78
AV	5.3554G	46.25	54.00	-7.75	41.79	3	Horizontal	39	1.79	-	31.23	5.00	31.77

802.11ax HEW40_Nss1,(MCS0)_2TX

13/01/2021

5230MHz_TX



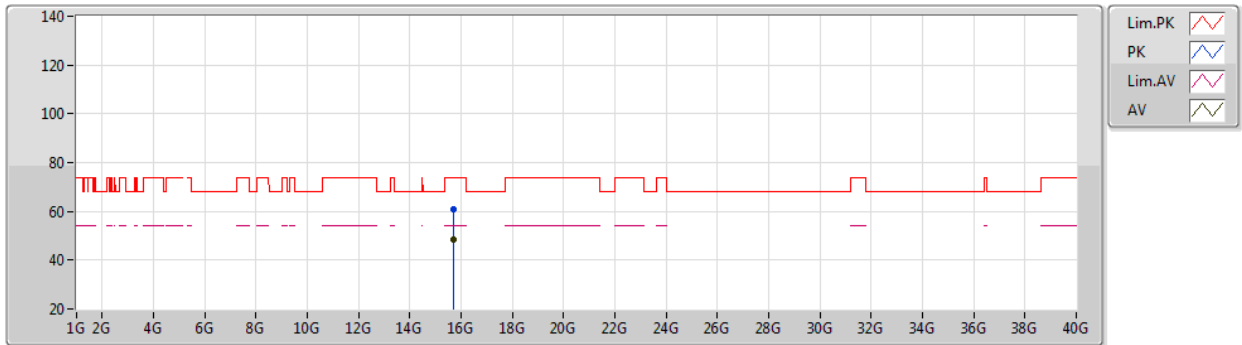
EUT Y_2TX
Setting 90
06-C-J-7

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	15.68976G	60.35	74.00	-13.65	45.05	3	Vertical	165	1.89	-	38.89	10.44	34.03
AV	15.69G	48.05	54.00	-5.95	32.75	3	Vertical	165	1.89	-	38.89	10.44	34.03

802.11ax HEW40_Nss1,(MCS0)_2TX

13/01/2021

5230MHz_TX



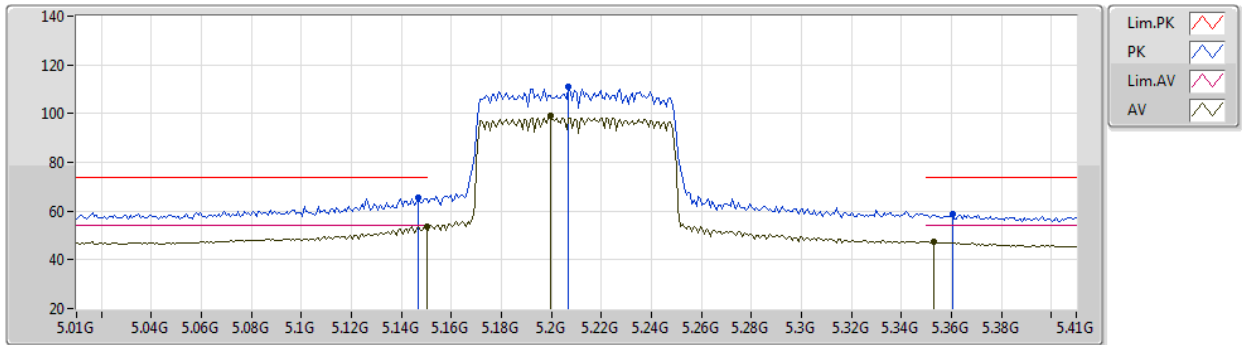
EUT Y_2TX
Setting 90
06-C-J-7

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	15.68957G	60.68	74.00	-13.32	45.38	3	Horizontal	228	1.58	-	38.89	10.44	34.03
AV	15.68964G	48.26	54.00	-5.74	32.96	3	Horizontal	228	1.58	-	38.89	10.44	34.03

802.11ax HEW80_Nss1,(MCS0)_2TX

13/01/2021

5210MHz_TX



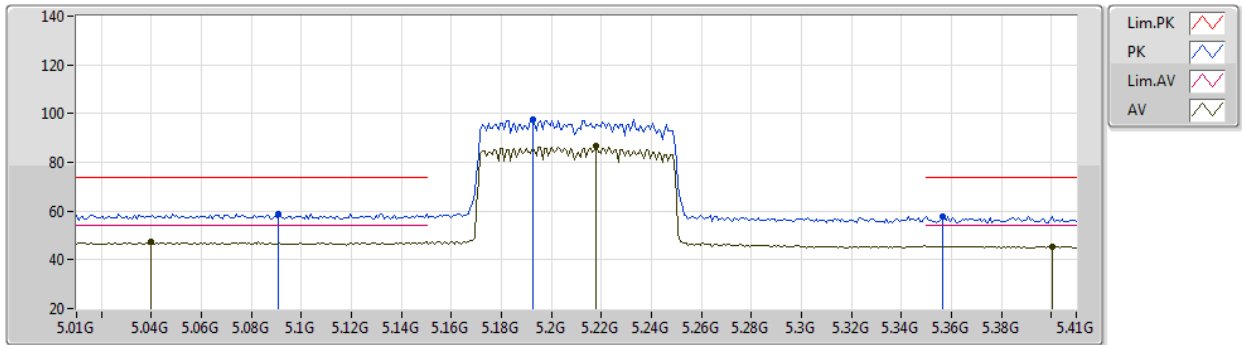
EUT_Y_2TX
Setting 68
06-C-J-7-10

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	5.1468G	65.58	74.00	-8.42	60.41	3	Vertical	144	1.83	-	31.80	5.00	31.63
AV	5.15G	53.72	54.00	-0.28	48.55	3	Vertical	144	1.83	-	31.80	5.00	31.63
PK	5.2068G	110.83	Inf	-Inf	105.94	3	Vertical	144	1.83	-	31.56	5.00	31.67
AV	5.1996G	98.88	Inf	-Inf	93.95	3	Vertical	144	1.83	-	31.60	5.00	31.67
PK	5.3604G	58.67	74.00	-15.33	54.19	3	Vertical	144	1.83	-	31.26	5.00	31.78
AV	5.3532G	47.52	54.00	-6.48	43.07	3	Vertical	144	1.83	-	31.22	5.00	31.77

802.11ax HEW80_Nss1,(MCS0)_2TX

13/01/2021

5210MHz_TX

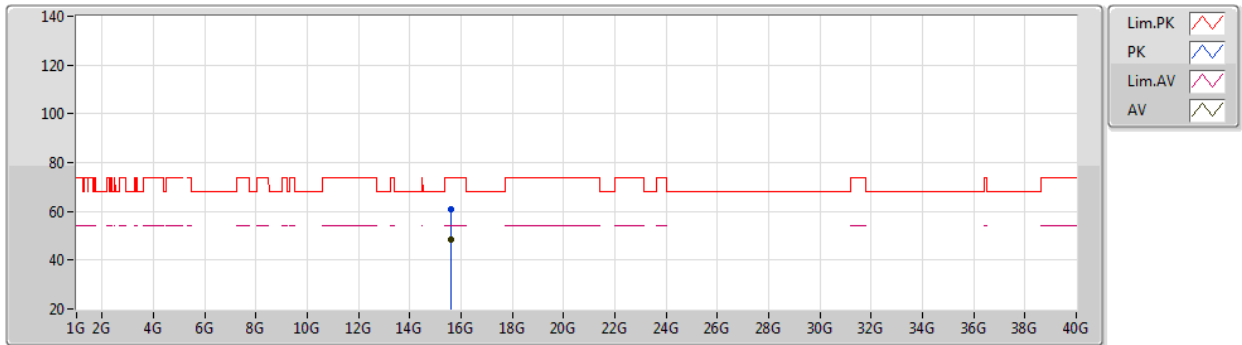

EUT Y_2TX
Setting 68
06-C-J-7-10

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	5.0908G	59.03	74.00	-14.97	53.82	3	Horizontal	40	1.80	-	31.80	5.00	31.59
AV	5.0396G	47.50	54.00	-6.50	42.32	3	Horizontal	40	1.80	-	31.74	5.00	31.56
PK	5.1924G	97.77	Inf	-Inf	92.80	3	Horizontal	40	1.80	-	31.63	5.00	31.66
AV	5.218G	86.61	Inf	-Inf	81.80	3	Horizontal	40	1.80	-	31.49	5.00	31.68
PK	5.3564G	57.98	74.00	-16.02	53.51	3	Horizontal	40	1.80	-	31.24	5.00	31.77
AV	5.4004G	45.56	54.00	-8.44	40.86	3	Horizontal	40	1.80	-	31.50	5.00	31.80

802.11ax HEW80_Nss1,(MCS0)_2TX

13/01/2021

5210MHz_TX



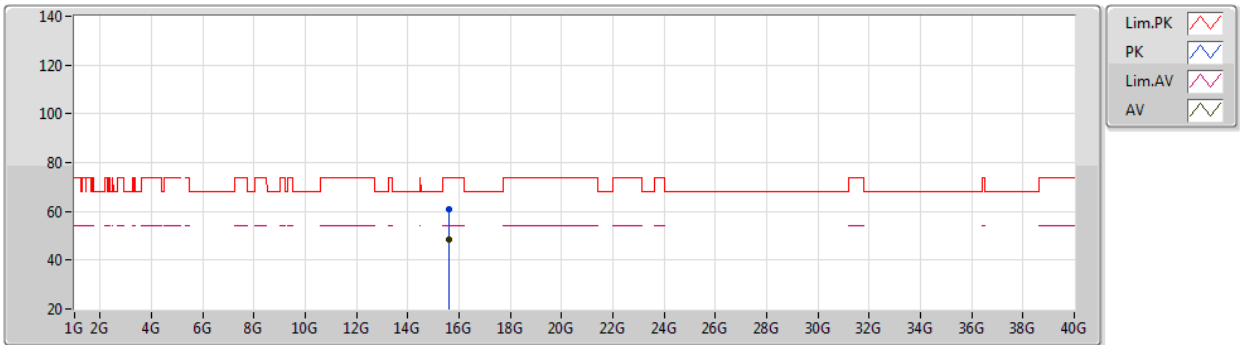
EUT Y_2TX
Setting 68
06-C-J-7

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	15.62974G	61.06	74.00	-12.94	45.80	3	Vertical	96	2.27	-	38.83	10.41	33.98	
AV	15.62985G	48.59	54.00	-5.41	33.33	3	Vertical	96	2.27	-	38.83	10.41	33.98	

802.11ax HEW80_Nss1,(MCS0)_2TX

13/01/2021

5210MHz_TX



EUT Y_2TX
Setting 68
06-C-J-7

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	15.6304G	60.92	74.00	-13.08	45.65	3	Horizontal	57	1.33	-	38.83	10.42	33.98
AV	15.63081G	48.55	54.00	-5.45	33.28	3	Horizontal	57	1.33	-	38.83	10.42	33.98



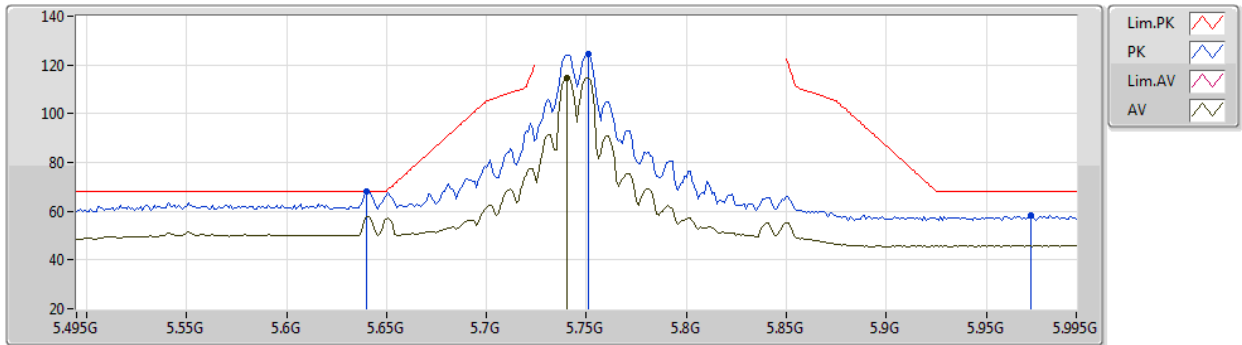
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1.(6Mbps)_3TX	Pass	PK	5.64G	68.07	68.20	-0.13	3	Vertical	182	2.42	-

802.11a_Nss1,(6Mbps)_3TX

13/01/2021

5745MHz_TX



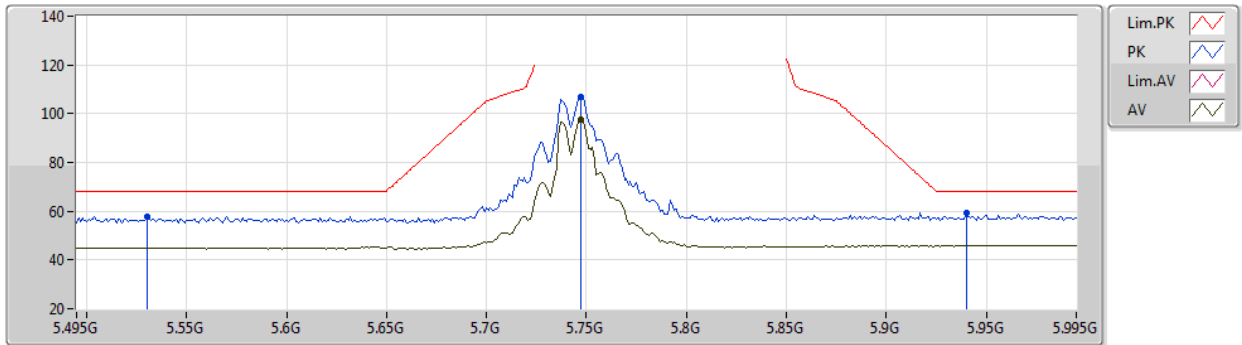
EUT Y_3TX
Setting 100
06-C-J-7-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.64G	68.07	68.20	-0.13	63.15	3	Vertical	182	2.42	-	31.50	5.22	31.80
PK	5.751G	124.37	Inf	-Inf	118.94	3	Vertical	182	2.42	-	31.90	5.28	31.75
AV	5.74G	114.91	Inf	-Inf	109.53	3	Vertical	182	2.42	-	31.86	5.27	31.75
PK	5.972G	58.21	68.20	-9.99	52.08	3	Vertical	182	2.42	-	32.30	5.47	31.64

802.11a_Nss1,(6Mbps)_3TX

13/01/2021

5745MHz_TX



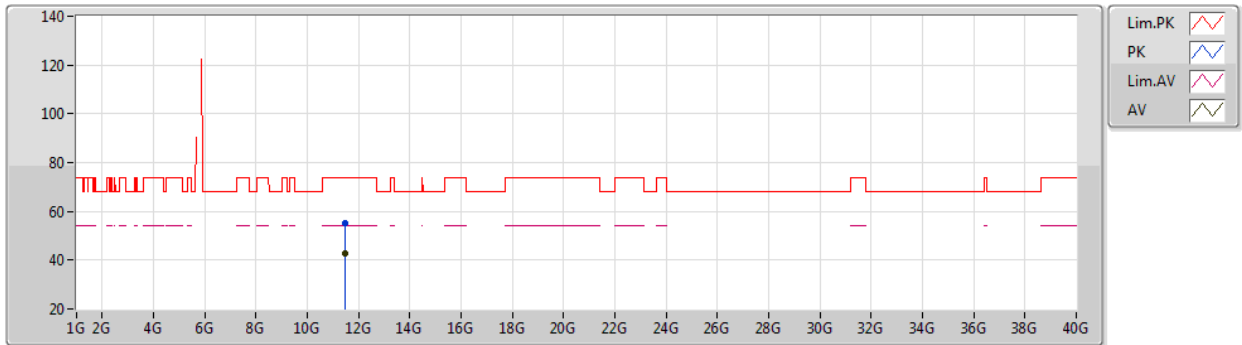
EUT Y_3TX
Setting 100
06-C-J-7-10

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	5.53G	57.91	68.20	-10.29	53.06	3	Horizontal	55	2.20	-	31.58	5.13	31.86
PK	5.747G	107.08	Inf	-Inf	101.67	3	Horizontal	55	2.20	-	31.89	5.27	31.75
AV	5.747G	97.79	Inf	-Inf	92.38	3	Horizontal	55	2.20	-	31.89	5.27	31.75
PK	5.94G	59.09	68.20	-9.11	53.01	3	Horizontal	55	2.20	-	32.30	5.44	31.66

802.11a_Nss1,(6Mbps)_3TX

13/01/2021

5745MHz_TX



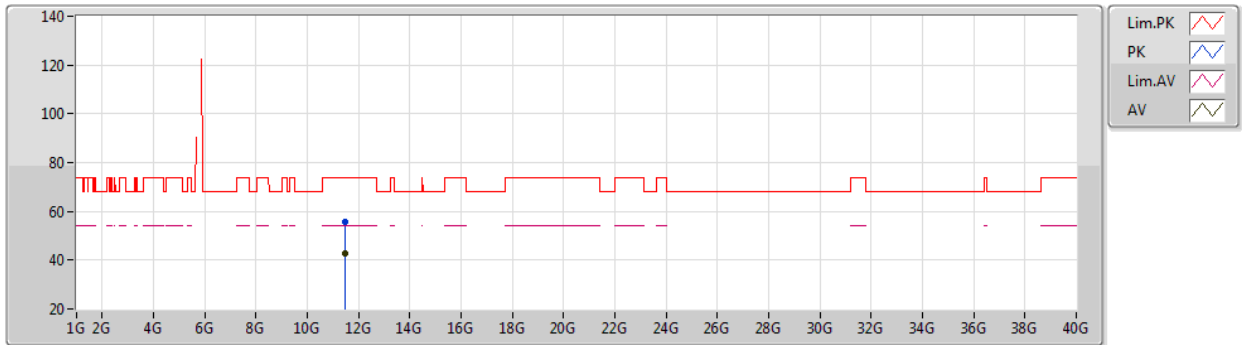
EUT V_3TX
Setting 100
06-C-J-7

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	11.49024G	55.38	74.00	-18.62	41.31	3	Vertical	352	1.48	-	39.98	8.30	34.21
AV	11.4898G	42.69	54.00	-11.31	28.62	3	Vertical	352	1.48	-	39.98	8.30	34.21

802.11a_Nss1,(6Mbps)_3TX

13/01/2021

5745MHz_TX



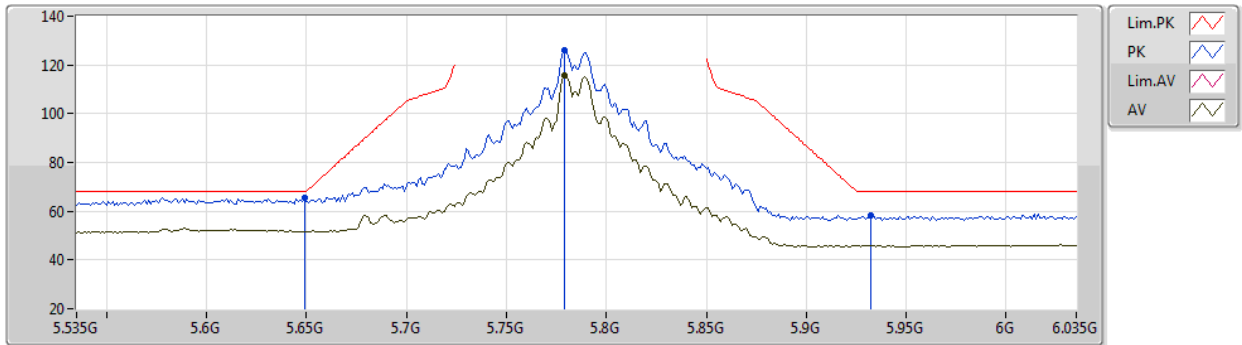
EUT V_3TX
Setting 100
06-C-J-7

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	11.48968G	55.72	74.00	-18.28	41.65	3	Horizontal	308	2.26	-	39.98	8.30	34.21
AV	11.489G	42.72	54.00	-11.28	28.65	3	Horizontal	308	2.26	-	39.98	8.30	34.21

802.11a_Nss1,(6Mbps)_3TX

13/01/2021

5785MHz_TX



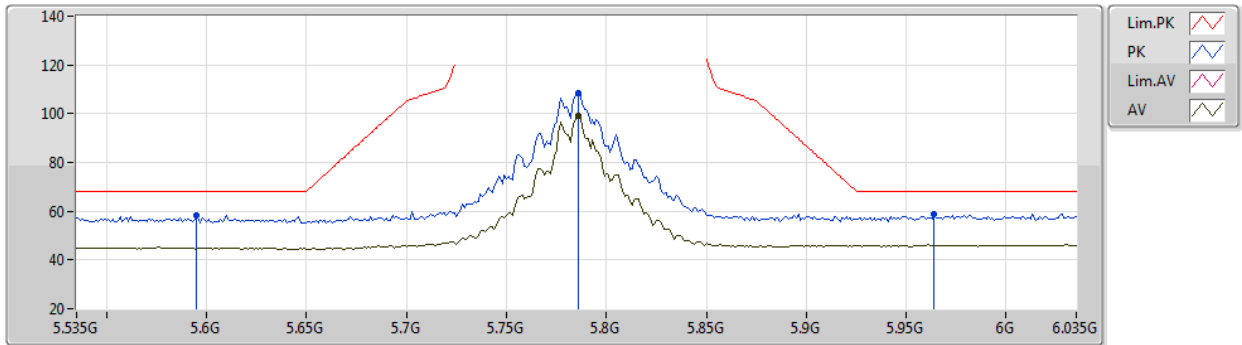
EUT Y_3TX
Setting 108
06-C-J-7-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.649G	65.41	68.20	-2.79	60.49	3	Vertical	217	1.83	-	31.50	5.22	31.80
PK	5.779G	125.94	Inf	-Inf	120.43	3	Vertical	217	1.83	-	31.96	5.29	31.74
AV	5.779G	115.44	Inf	-Inf	109.93	3	Vertical	217	1.83	-	31.96	5.29	31.74
PK	5.932G	58.38	68.20	-9.82	52.31	3	Vertical	217	1.83	-	32.30	5.43	31.66

802.11a_Nss1,(6Mbps)_3TX

13/01/2021

5785MHz_TX



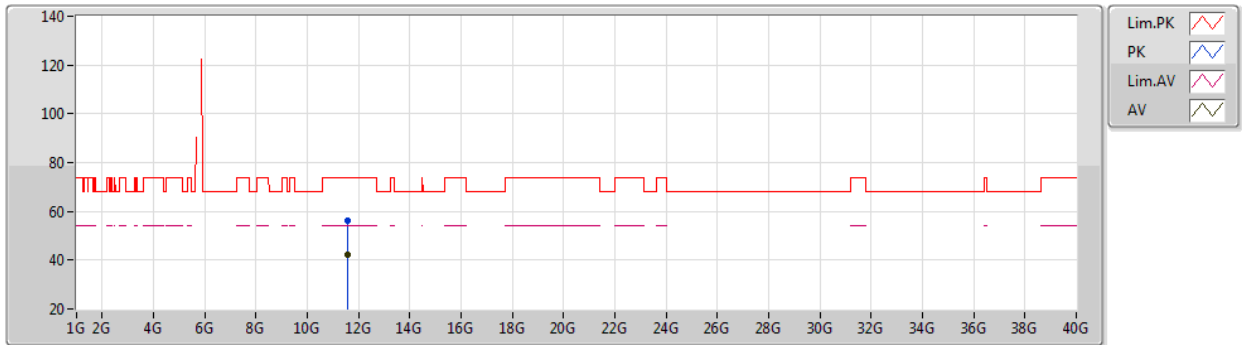
EUT Y_3TX
Setting 108
06-C-J-7-10

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	5.595G	58.06	68.20	-10.14	53.18	3	Horizontal	53	1.84	-	31.50	5.20	31.82
PK	5.786G	108.66	Inf	-Inf	103.13	3	Horizontal	53	1.84	-	31.97	5.29	31.73
AV	5.786G	98.97	Inf	-Inf	93.44	3	Horizontal	53	1.84	-	31.97	5.29	31.73
PK	5.964G	58.60	68.20	-9.60	52.49	3	Horizontal	53	1.84	-	32.30	5.46	31.65

802.11a_Nss1,(6Mbps)_3TX

13/01/2021

5785MHz_TX



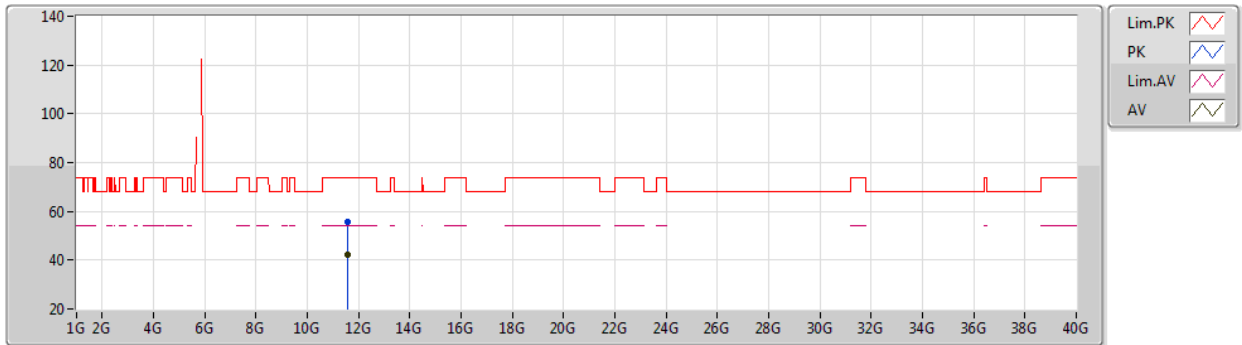
EUT V_3TX
Setting 108
06-C-J-7

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	11.56985G	56.05	74.00	-17.95	42.20	3	Vertical	174	2.92	-	39.72	8.33	34.20
AV	11.56942G	42.36	54.00	-11.64	28.51	3	Vertical	174	2.92	-	39.72	8.33	34.20

802.11a_Nss1,(6Mbps)_3TX

13/01/2021

5785MHz_TX



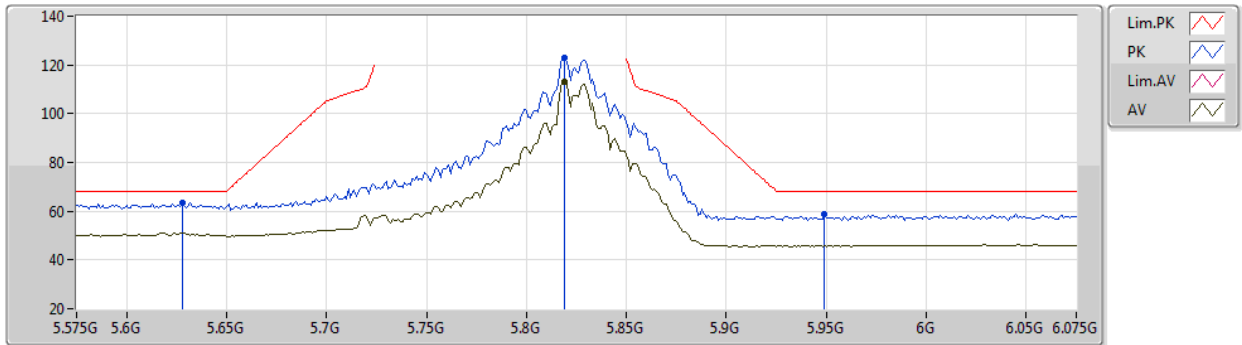
EUT V_3TX
Setting 108
06-C-J-7

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	11.5693G	55.67	74.00	-18.33	41.82	3	Horizontal	344	1.12	-	39.72	8.33	34.20
AV	11.57003G	42.48	54.00	-11.52	28.63	3	Horizontal	344	1.12	-	39.72	8.33	34.20

802.11a_Nss1,(6Mbps)_3TX

13/01/2021

5825MHz_TX



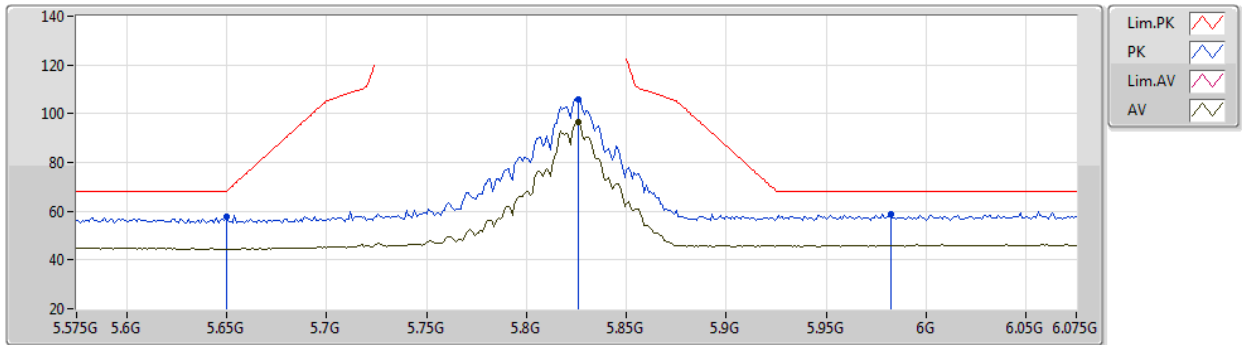
EUT Y_3TX
Setting 108
06-C-J-7-10

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	5.628G	63.57	68.20	-4.63	58.67	3	Vertical	219	1.79	-	31.50	5.21	31.81
PK	5.819G	123.17	Inf	-Inf	117.49	3	Vertical	219	1.79	-	32.08	5.32	31.72
AV	5.819G	112.89	Inf	-Inf	107.21	3	Vertical	219	1.79	-	32.08	5.32	31.72
PK	5.949G	58.54	68.20	-9.66	52.44	3	Vertical	219	1.79	-	32.30	5.45	31.65

802.11a_Nss1,(6Mbps)_3TX

13/01/2021

5825MHz_TX



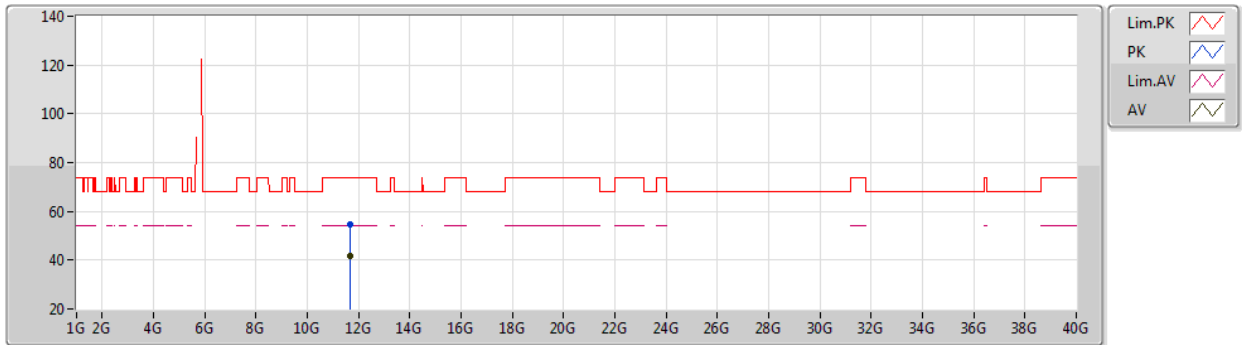
EUT Y_3TX
Setting 108
06-C-J-7-10

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	57.83	68.20	-10.37	52.91	3	Horizontal	53	1.84	-	31.50	5.22	31.80
PK	5.826G	106.08	Inf	-Inf	100.36	3	Horizontal	53	1.84	-	32.10	5.33	31.71
AV	5.826G	96.32	Inf	-Inf	90.60	3	Horizontal	53	1.84	-	32.10	5.33	31.71
PK	5.982G	58.80	68.20	-9.40	52.66	3	Horizontal	53	1.84	-	32.30	5.48	31.64

802.11a_Nss1,(6Mbps)_3TX

13/01/2021

5825MHz_TX



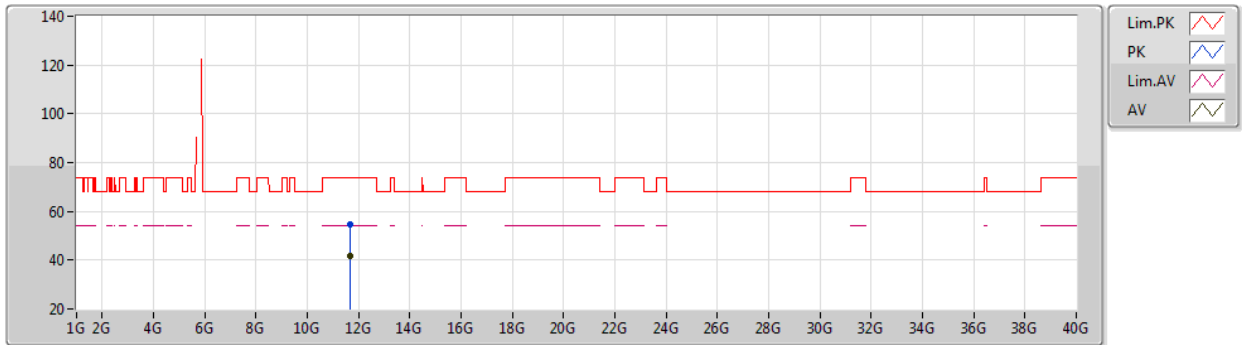
EUT V_3TX
Setting 108
06-C-J-7

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	11.65088G	54.76	74.00	-19.24	41.31	3	Vertical	321	2.28	-	39.29	8.36	34.20
AV	11.65073G	41.76	54.00	-12.24	28.30	3	Vertical	321	2.28	-	39.30	8.36	34.20

802.11a_Nss1,(6Mbps)_3TX

13/01/2021

5825MHz_TX



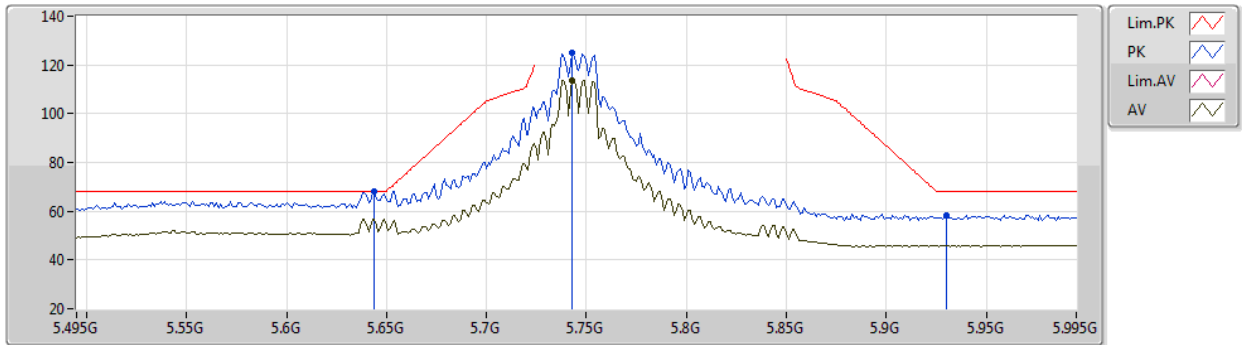
EUT V_3TX
Setting 108
06-C-J-7

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	11.64944G	54.58	74.00	-19.42	41.12	3	Horizontal	74	2.53	-	39.30	8.36	34.20
AV	11.64955G	41.83	54.00	-12.17	28.37	3	Horizontal	74	2.53	-	39.30	8.36	34.20

802.11ax HEW20_Nss1,(MCS0)_3TX

13/01/2021

5745MHz_TX



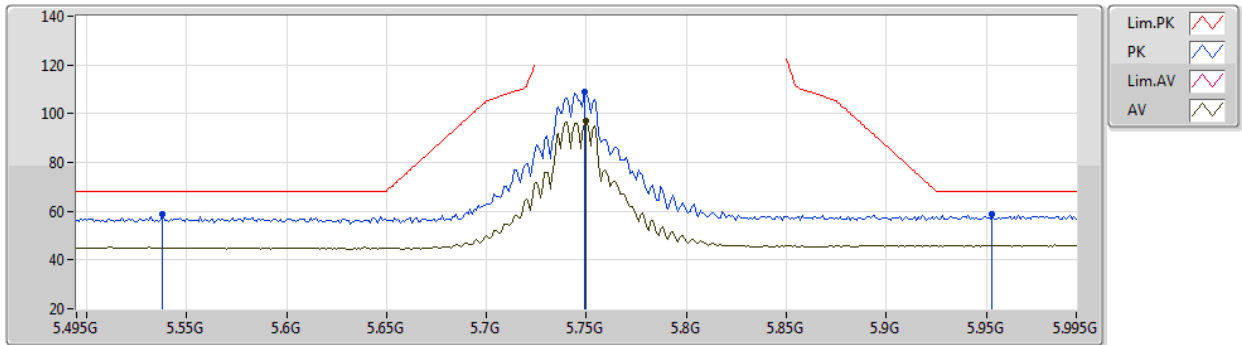
EUT Y_3TX
Setting 100
06-C-J-7-10

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	5.644G	67.97	68.20	-0.23	63.05	3	Vertical	358	1.94	-	31.50	5.22	31.80
PK	5.743G	125.14	Inf	-Inf	119.75	3	Vertical	358	1.94	-	31.87	5.27	31.75
AV	5.743G	113.76	Inf	-Inf	108.37	3	Vertical	358	1.94	-	31.87	5.27	31.75
PK	5.93G	58.42	68.20	-9.78	52.35	3	Vertical	358	1.94	-	32.30	5.43	31.66

802.11ax HEW20_Nss1,(MCS0)_3TX

13/01/2021

5745MHz_TX



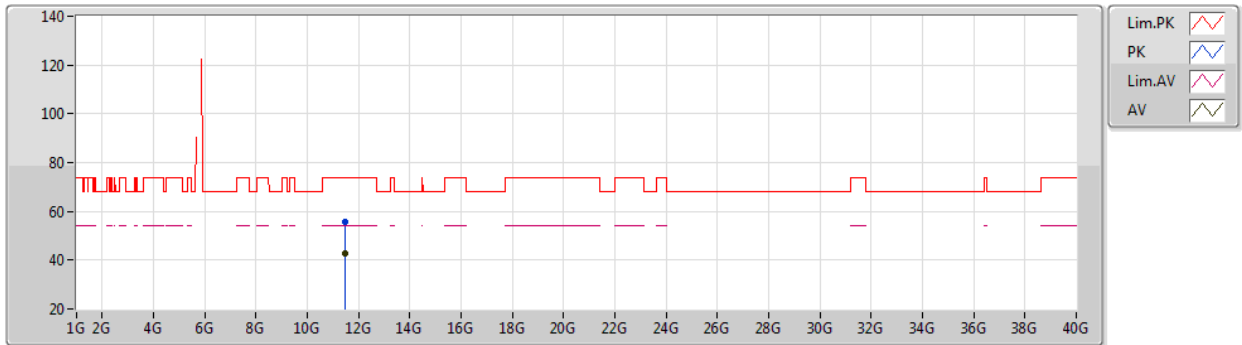
EUT Y_3TX
Setting 100
06-C-J-7-10

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	5.538G	58.84	68.20	-9.36	54.00	3	Horizontal	53	1.85	-	31.55	5.14	31.85
PK	5.749G	108.94	Inf	-Inf	103.52	3	Horizontal	53	1.85	-	31.90	5.27	31.75
AV	5.75G	96.95	Inf	-Inf	91.52	3	Horizontal	53	1.85	-	31.90	5.28	31.75
PK	5.953G	58.66	68.20	-9.54	52.56	3	Horizontal	53	1.85	-	32.30	5.45	31.65

802.11ax HEW20_Nss1,(MCS0)_3TX

13/01/2021

5745MHz_TX



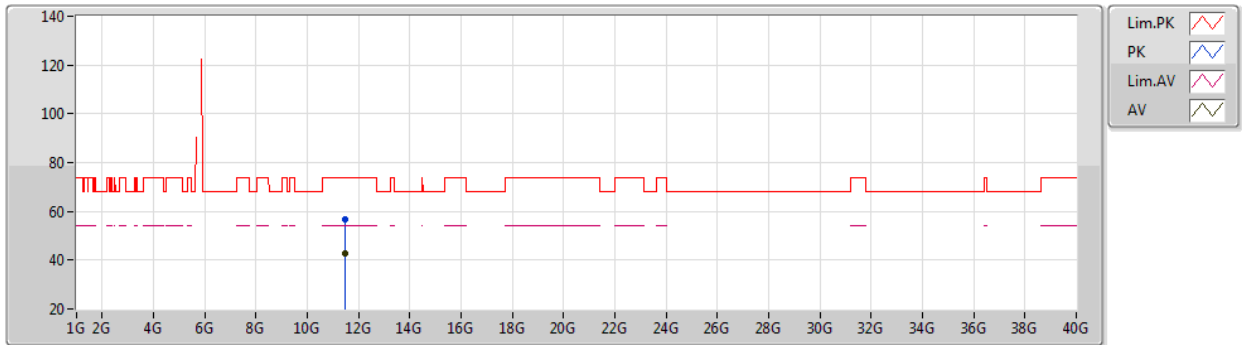
EUT V_3TX
Setting 100
06-C-J-7

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	11.48942G	55.89	74.00	-18.11	41.82	3	Vertical	300	2.61	-	39.98	8.30	34.21
AV	11.48964G	42.69	54.00	-11.31	28.62	3	Vertical	300	2.61	-	39.98	8.30	34.21

802.11ax HEW20_Nss1,(MCS0)_3TX

13/01/2021

5745MHz_TX



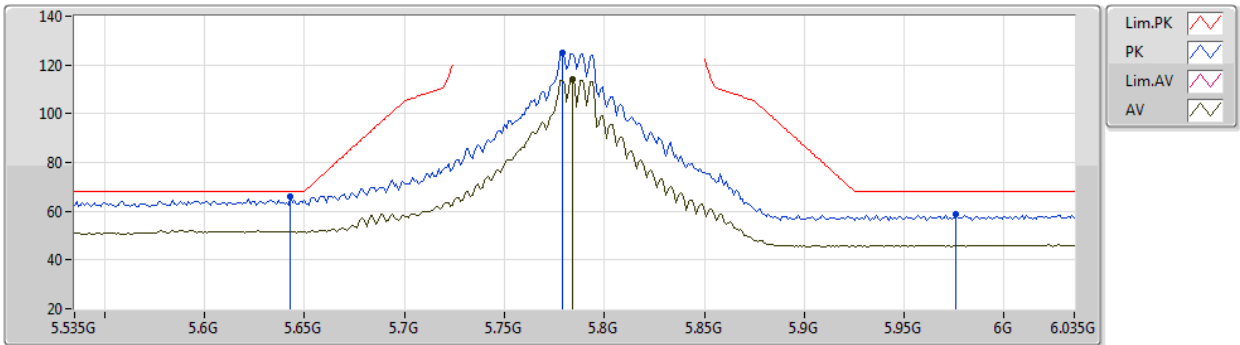
EUT V_3TX
Setting 100
06-C-J-7

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	11.48909G	56.76	74.00	-17.24	42.69	3	Horizontal	342	1.96	-	39.98	8.30	34.21
AV	11.48958G	42.64	54.00	-11.36	28.57	3	Horizontal	342	1.96	-	39.98	8.30	34.21

802.11ax HEW20_Nss1,(MCS0)_3TX

13/01/2021

5785MHz_TX



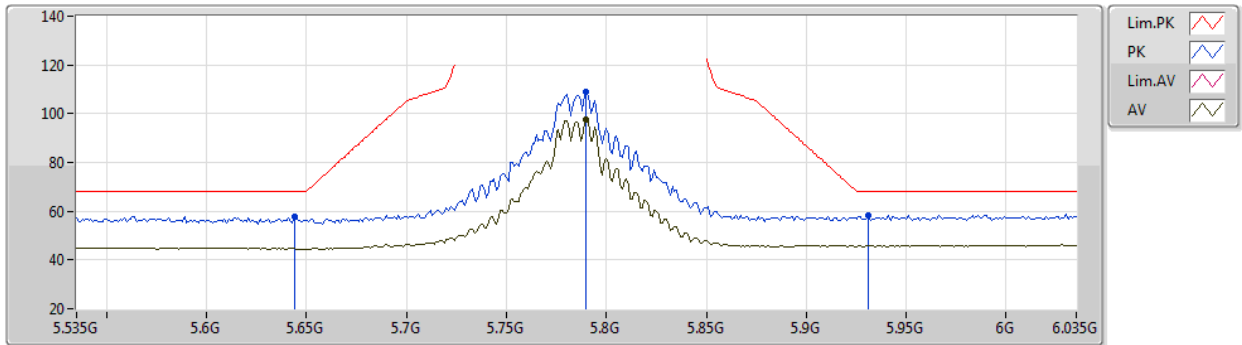
EUT Y_3TX
Setting 108
06-C-J-7-10

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	5.643G	65.82	68.20	-2.38	60.90	3	Vertical	217	1.80	-	31.50	5.22	31.80
PK	5.779G	125.21	Inf	-Inf	119.70	3	Vertical	217	1.80	-	31.96	5.29	31.74
AV	5.784G	114.07	Inf	-Inf	108.54	3	Vertical	217	1.80	-	31.97	5.29	31.73
PK	5.976G	59.05	68.20	-9.15	52.91	3	Vertical	217	1.80	-	32.30	5.48	31.64

802.11ax HEW20_Nss1,(MCS0)_3TX

13/01/2021

5785MHz_TX



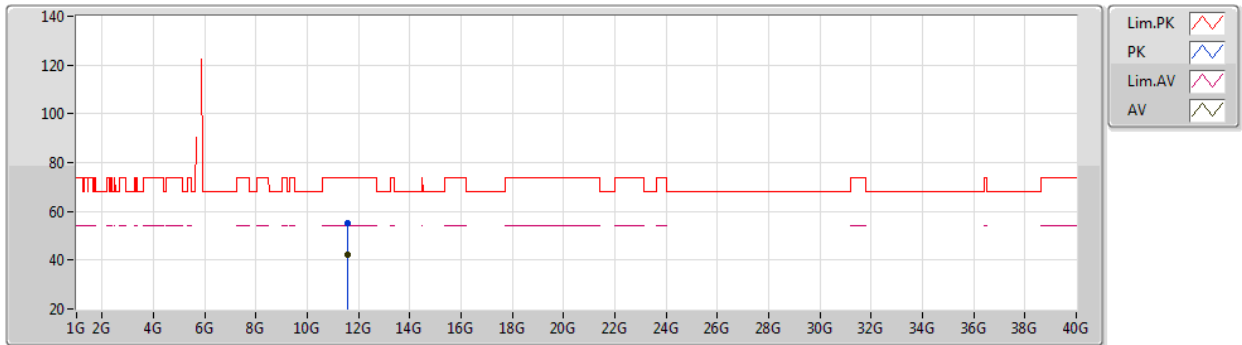
EUT Y_3TX
Setting 108
06-C-J-7-10

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	5.644G	58.01	68.20	-10.19	53.09	3	Horizontal	53	1.82	-	31.50	5.22	31.80
PK	5.79G	108.82	Inf	-Inf	103.28	3	Horizontal	53	1.82	-	31.98	5.29	31.73
AV	5.79G	97.75	Inf	-Inf	92.21	3	Horizontal	53	1.82	-	31.98	5.29	31.73
PK	5.931G	58.46	68.20	-9.74	52.39	3	Horizontal	53	1.82	-	32.30	5.43	31.66

802.11ax HEW20_Nss1,(MCS0)_3TX

13/01/2021

5785MHz_TX



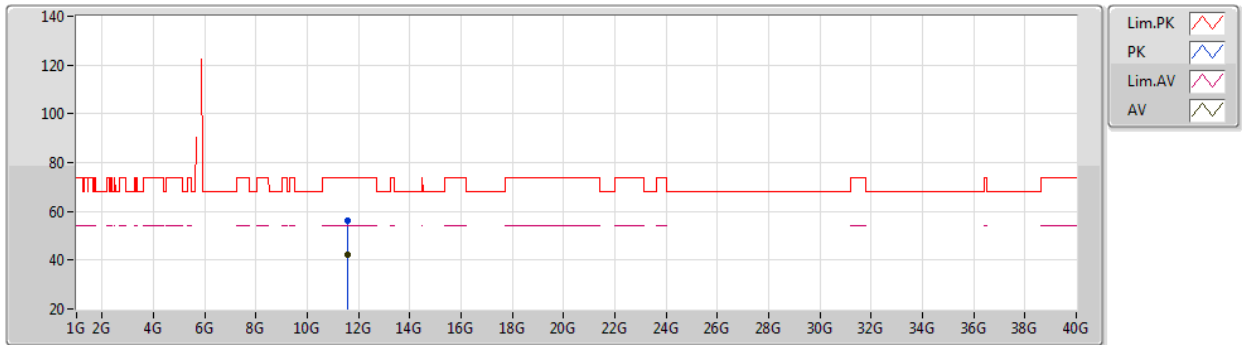
EUT V_3TX
Setting 108
06-C-J-7

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	11.57G	55.10	74.00	-18.90	41.25	3	Vertical	352	2.81	-	39.72	8.33	34.20
AV	11.57077G	42.43	54.00	-11.57	28.58	3	Vertical	352	2.81	-	39.72	8.33	34.20

802.11ax HEW20_Nss1,(MCS0)_3TX

13/01/2021

5785MHz_TX



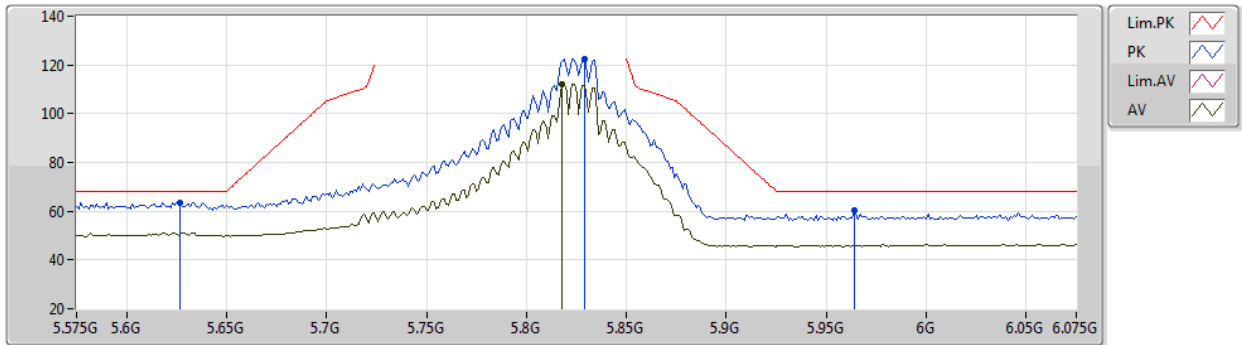
EUT V_3TX
Setting 108
06-C-J-7

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	11.56962G	56.21	74.00	-17.79	42.36	3	Horizontal	115	1.03	-	39.72	8.33	34.20
AV	11.569G	42.38	54.00	-11.62	28.53	3	Horizontal	115	1.03	-	39.72	8.33	34.20

802.11ax HEW20_Nss1,(MCS0)_3TX

13/01/2021

5825MHz_TX



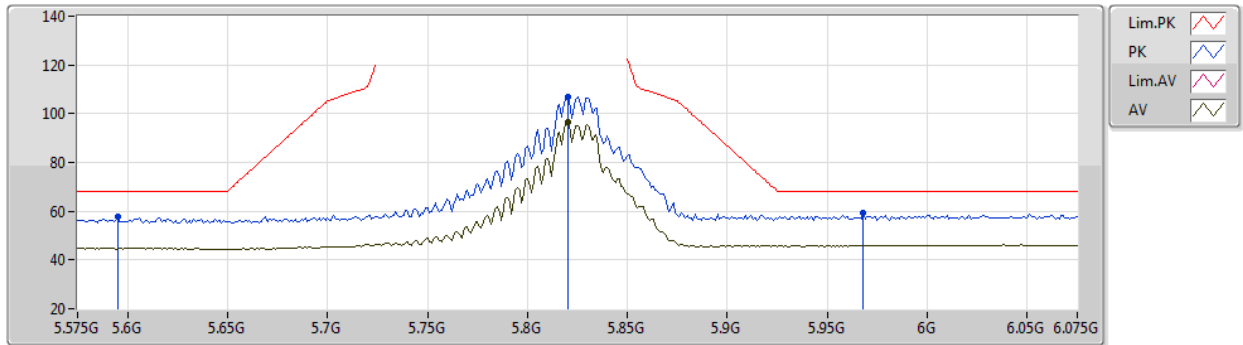
EUT Y_3TX
Setting 108
06-C-J-7-10

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	5.627G	63.60	68.20	-4.60	58.70	3	Vertical	217	1.80	-	31.50	5.21	31.81
PK	5.829G	122.55	Inf	-Inf	116.81	3	Vertical	217	1.80	-	32.12	5.33	31.71
AV	5.818G	112.02	Inf	-Inf	106.35	3	Vertical	217	1.80	-	32.07	5.32	31.72
PK	5.964G	60.19	68.20	-8.01	54.08	3	Vertical	217	1.80	-	32.30	5.46	31.65

802.11ax HEW20_Nss1,(MCS0)_3TX

13/01/2021

5825MHz_TX



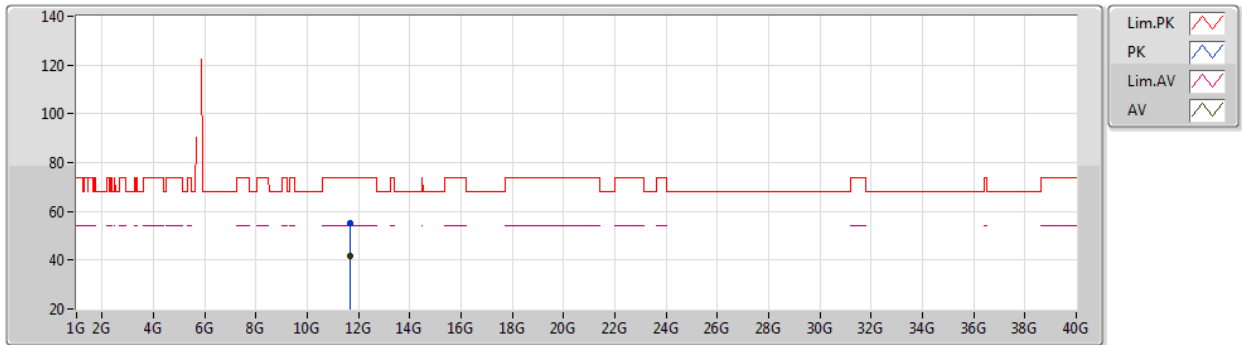
EUT Y_3TX
Setting 108
06-C-J-7-10

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	5.595G	57.66	68.20	-10.54	52.78	3	Horizontal	52	1.83	-	31.50	5.20	31.82
PK	5.82G	106.81	Inf	-Inf	101.13	3	Horizontal	52	1.83	-	32.08	5.32	31.72
AV	5.82G	96.58	Inf	-Inf	90.90	3	Horizontal	52	1.83	-	32.08	5.32	31.72
PK	5.968G	59.36	68.20	-8.84	53.24	3	Horizontal	52	1.83	-	32.30	5.47	31.65

802.11ax HEW20_Nss1,(MCS0)_3TX

13/01/2021

5825MHz_TX



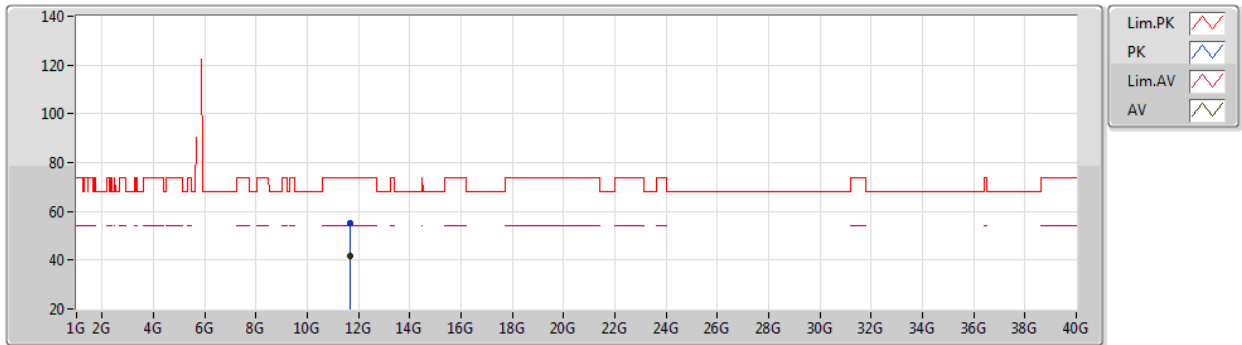
EUT V_3TX
Setting 108
06-C-J-7

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	11.65092G	55.11	74.00	-18.89	41.66	3	Vertical	100	2.37	-	39.29	8.36	34.20
AV	11.64912G	41.94	54.00	-12.06	28.47	3	Vertical	100	2.37	-	39.31	8.36	34.20

802.11ax HEW20_Nss1,(MCS0)_3TX

13/01/2021

5825MHz_TX



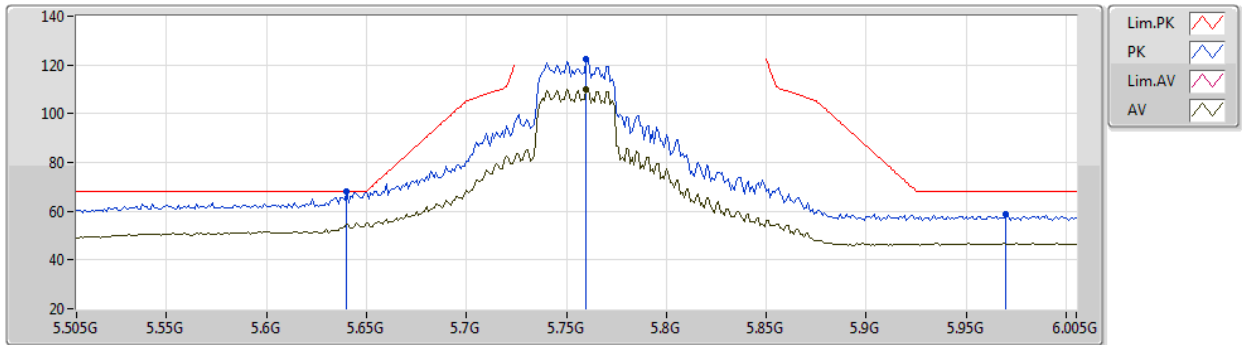
EUT V_3TX
Setting 108
06-C-J-7

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	11.65048G	55.26	74.00	-18.74	41.80	3	Horizontal	178	1.92	-	39.30	8.36	34.20
AV	11.64907G	41.86	54.00	-12.14	28.39	3	Horizontal	178	1.92	-	39.31	8.36	34.20

802.11ax HEW40_Nss1,(MCS0)_3TX

13/01/2021

5755MHz_TX



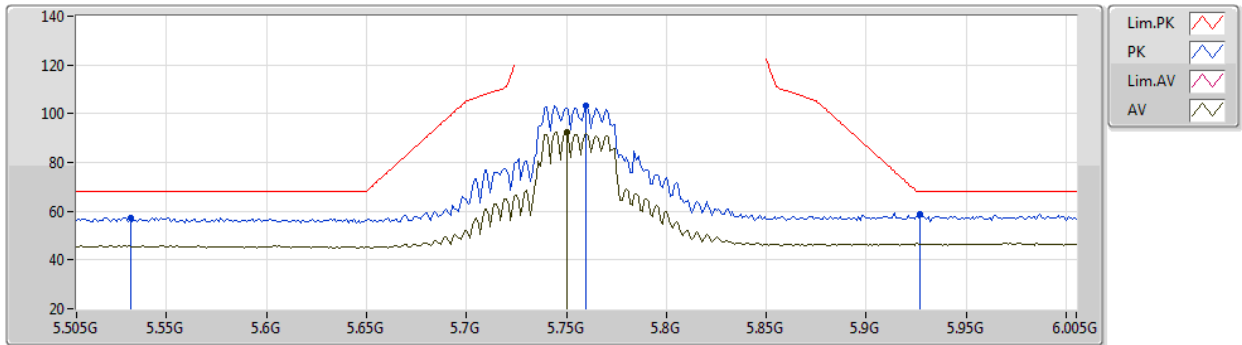
EUT Y_3TX
Setting 95
06-C-J-7-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.64G	67.95	68.20	-0.25	63.03	3	Vertical	232	2.30	-	31.50	5.22	31.80
PK	5.76G	122.27	Inf	-Inf	116.82	3	Vertical	232	2.30	-	31.92	5.28	31.75
AV	5.76G	110.12	Inf	-Inf	104.67	3	Vertical	232	2.30	-	31.92	5.28	31.75
PK	5.97G	58.90	68.20	-9.30	52.77	3	Vertical	232	2.30	-	32.30	5.47	31.64

802.11ax HEW40_Nss1,(MCS0)_3TX

13/01/2021

5755MHz_TX



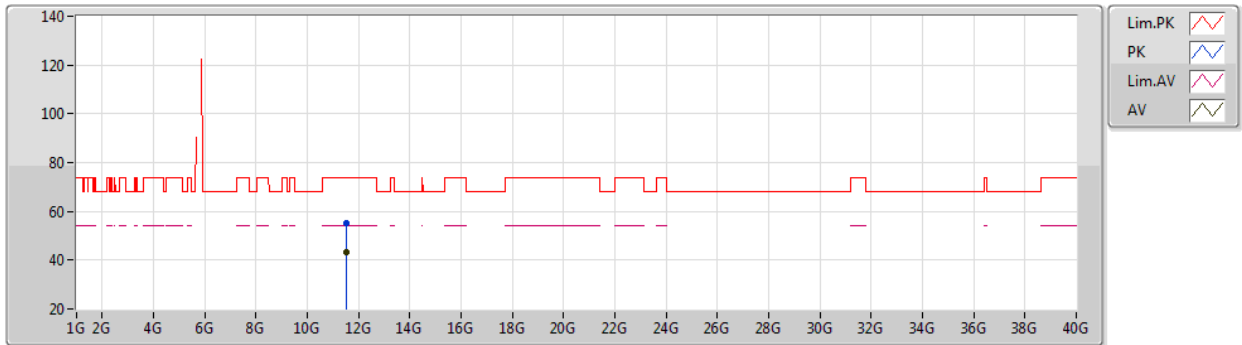
EUT Y_3TX
Setting 95
06-C-J-7-10

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	5.532G	57.40	68.20	-10.80	52.55	3	Horizontal	56	1.85	-	31.57	5.13	31.85
PK	5.76G	103.29	Inf	-Inf	97.84	3	Horizontal	56	1.85	-	31.92	5.28	31.75
AV	5.75G	92.57	Inf	-Inf	87.14	3	Horizontal	56	1.85	-	31.90	5.28	31.75
PK	5.927G	58.72	68.20	-9.48	52.66	3	Horizontal	56	1.85	-	32.30	5.43	31.67

802.11ax HEW40_Nss1,(MCS0)_3TX

13/01/2021

5755MHz_TX



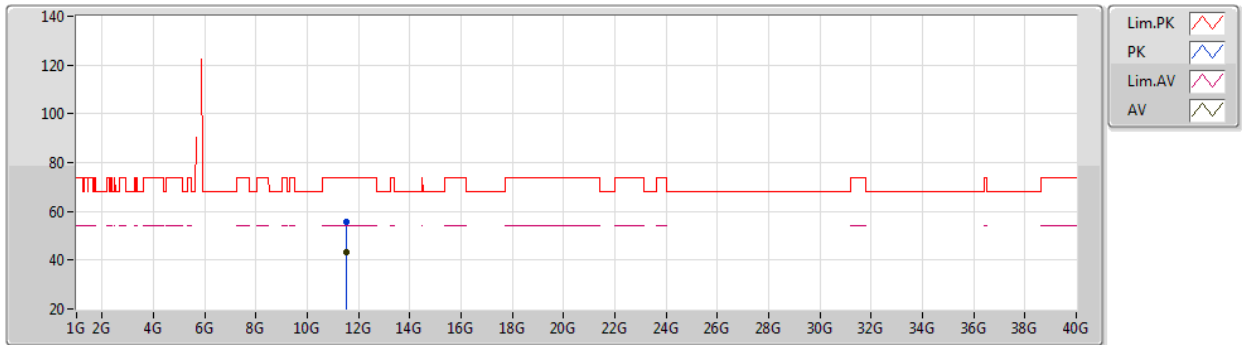
EUT V_3TX
Setting 95
06-C-J-7

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	11.50964G	55.36	74.00	-18.64	41.31	3	Vertical	156	2.10	-	39.96	8.30	34.21
AV	11.50971G	43.43	54.00	-10.57	29.38	3	Vertical	156	2.10	-	39.96	8.30	34.21

802.11ax HEW40_Nss1,(MCS0)_3TX

13/01/2021

5755MHz_TX



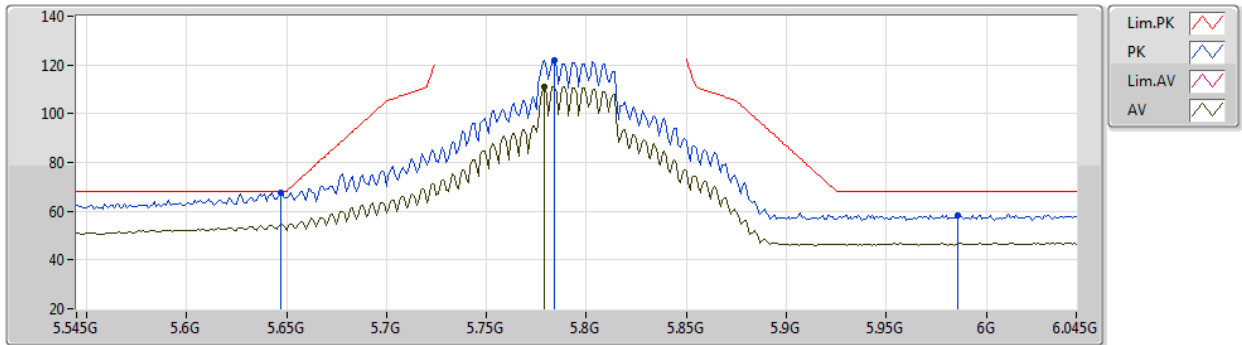
EUT V_3TX
Setting 95
06-C-J-7

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	11.50981G	55.91	74.00	-18.09	41.86	3	Horizontal	22	2.42	-	39.96	8.30	34.21
AV	11.51012G	43.32	54.00	-10.68	29.27	3	Horizontal	22	2.42	-	39.96	8.30	34.21

802.11ax HEW40_Nss1,(MCS0)_3TX

13/01/2021

5795MHz_TX



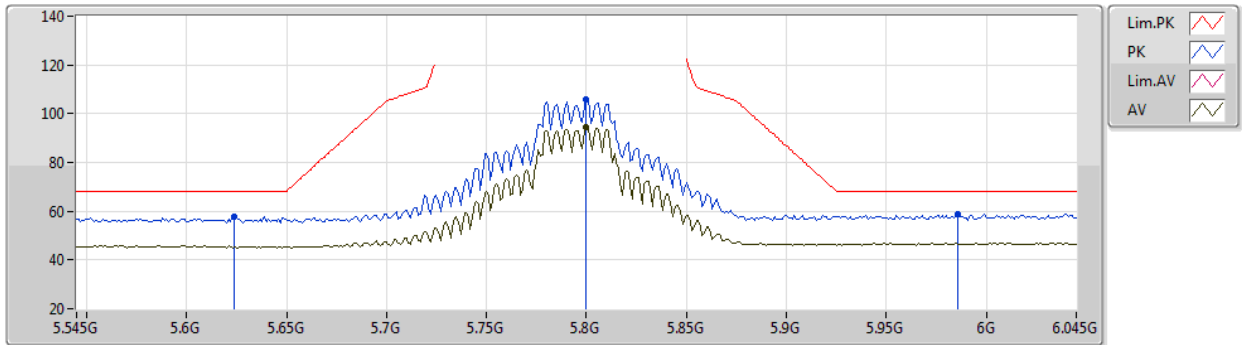
EUT V_3TX
Setting 101
06-C-J-7-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.647G	67.82	68.20	-0.38	62.90	3	Vertical	217	1.80	-	31.50	5.22	31.80
PK	5.784G	121.76	Inf	-Inf	116.23	3	Vertical	217	1.80	-	31.97	5.29	31.73
AV	5.779G	111.03	Inf	-Inf	105.52	3	Vertical	217	1.80	-	31.96	5.29	31.74
PK	5.986G	58.37	68.20	-9.83	52.22	3	Vertical	217	1.80	-	32.30	5.49	31.64

802.11ax HEW40_Nss1,(MCS0)_3TX

13/01/2021

5795MHz_TX



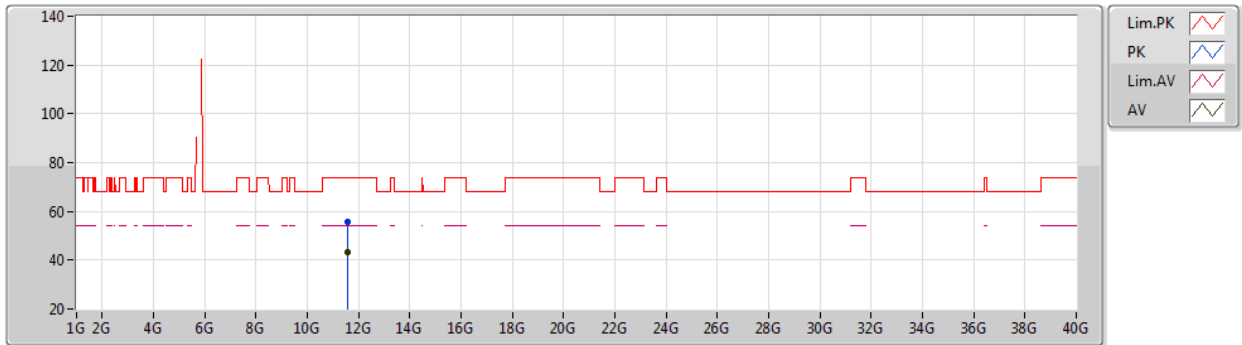
EUT Y_3TX
Setting 101
06-C-J-7-10

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	5.624G	57.87	68.20	-10.33	52.97	3	Horizontal	48	1.79	-	31.50	5.21	31.81
PK	5.8G	105.95	Inf	-Inf	100.38	3	Horizontal	48	1.79	-	32.00	5.30	31.73
AV	5.8G	94.70	Inf	-Inf	89.13	3	Horizontal	48	1.79	-	32.00	5.30	31.73
PK	5.986G	58.57	68.20	-9.63	52.42	3	Horizontal	48	1.79	-	32.30	5.49	31.64

802.11ax HEW40_Nss1,(MCS0)_3TX

13/01/2021

5795MHz_TX



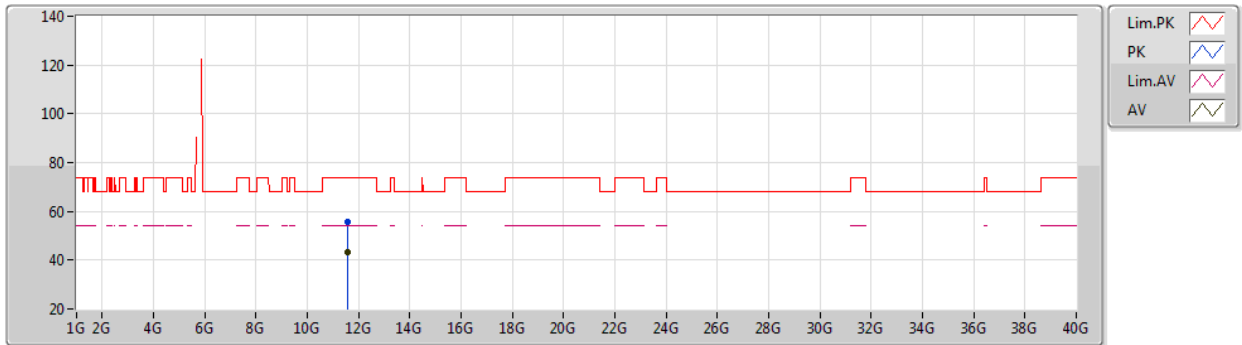
EUT V_3TX
Setting 101
06-C-J-7

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	11.58951G	55.82	74.00	-18.18	42.04	3	Vertical	226	1.89	-	39.64	8.34	34.20
AV	11.59068G	43.32	54.00	-10.68	29.54	3	Vertical	226	1.89	-	39.64	8.34	34.20

802.11ax HEW40_Nss1,(MCS0)_3TX

13/01/2021

5795MHz_TX



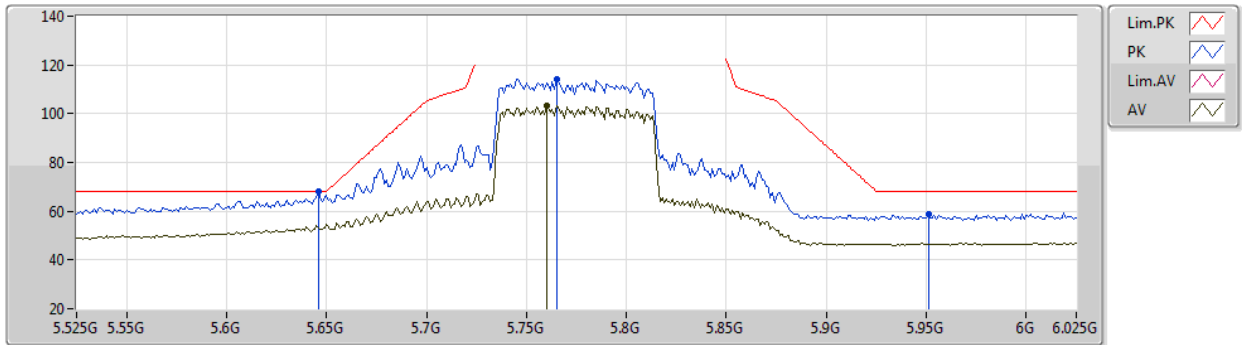
EUT V_3TX
Setting 101
06-C-J-7

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	11.58912G	55.50	74.00	-18.50	41.72	3	Horizontal	85	2.73	-	39.64	8.34	34.20
AV	11.59041G	43.32	54.00	-10.68	29.54	3	Horizontal	85	2.73	-	39.64	8.34	34.20

802.11ax HEW80_Nss1,(MCS0)_3TX

13/01/2021

5775MHz_TX



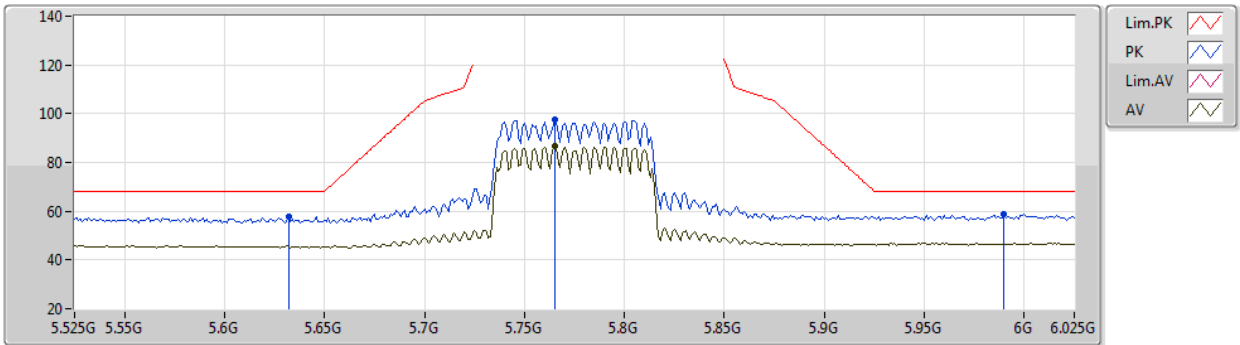
EUT Y_3TX
Setting 84
06-C-J-7-10

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	68.05	68.20	-0.15	63.13	3	Vertical	233	2.36	-	31.50	5.22	31.80
PK	5.765G	114.28	Inf	-Inf	108.81	3	Vertical	233	2.36	-	31.93	5.28	31.74
AV	5.76G	103.49	Inf	-Inf	98.04	3	Vertical	233	2.36	-	31.92	5.28	31.75
PK	5.951G	58.65	68.20	-9.55	52.55	3	Vertical	233	2.36	-	32.30	5.45	31.65

802.11ax HEW80_Nss1,(MCS0)_3TX

13/01/2021

5775MHz_TX



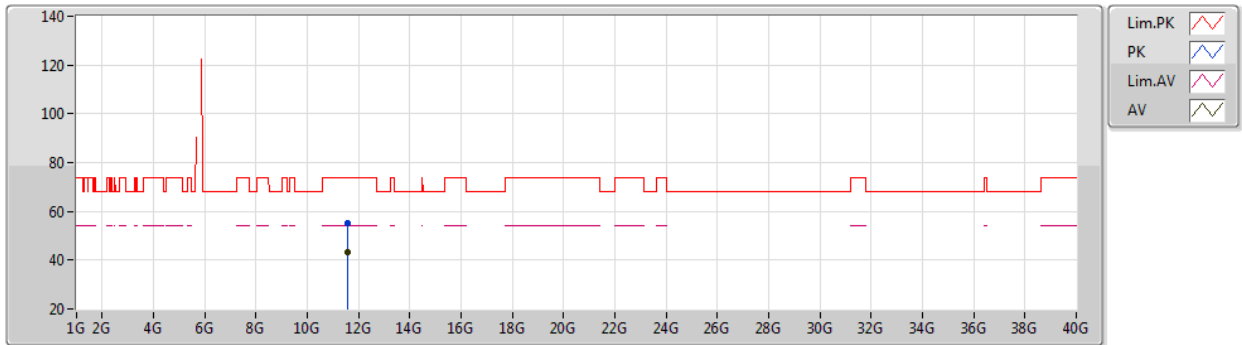
EUT Y_3TX
Setting 84
06-C-J-7-10

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	57.67	68.20	-10.53	52.76	3	Horizontal	52	1.80	-	31.50	5.22	31.81
PK	5.765G	97.39	Inf	-Inf	91.92	3	Horizontal	52	1.80	-	31.93	5.28	31.74
AV	5.765G	86.72	Inf	-Inf	81.25	3	Horizontal	52	1.80	-	31.93	5.28	31.74
PK	5.99G	58.61	68.20	-9.59	52.45	3	Horizontal	52	1.80	-	32.30	5.49	31.63

802.11ax HEW80_Nss1,(MCS0)_3TX

13/01/2021

5775MHz_TX



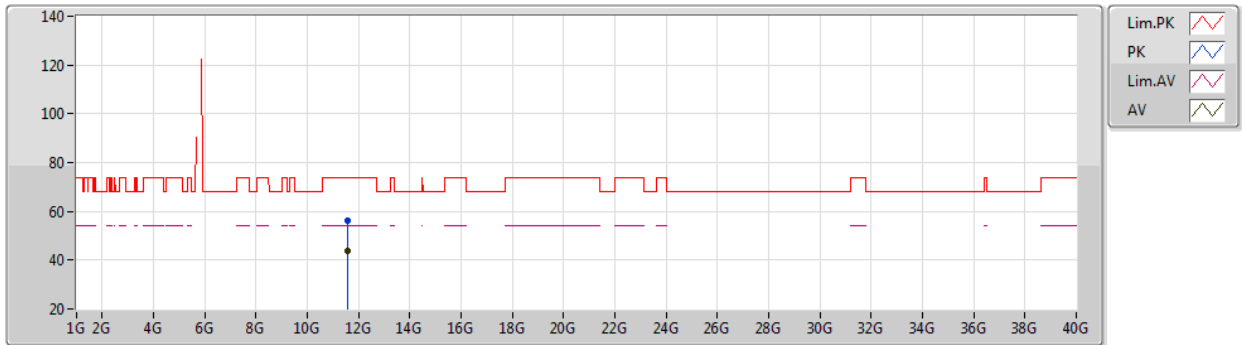
EUT V_3TX
Setting 84
06-C-J-7

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	11.55002G	55.34	74.00	-18.66	41.43	3	Vertical	62	2.88	-	39.80	8.32	34.21	
AV	11.54994G	43.36	54.00	-10.64	29.45	3	Vertical	62	2.88	-	39.80	8.32	34.21	

802.11ax HEW80_Nss1,(MCS0)_3TX

13/01/2021

5775MHz_TX



EUT V_3TX
Setting 84
06-C-J-7

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	11.54944G	56.04	74.00	-17.96	42.13	3	Horizontal	63	1.49	-	39.80	8.32	34.21
AV	11.54998G	43.59	54.00	-10.41	29.68	3	Horizontal	63	1.49	-	39.80	8.32	34.21



Radiated Emissions above 1GHz

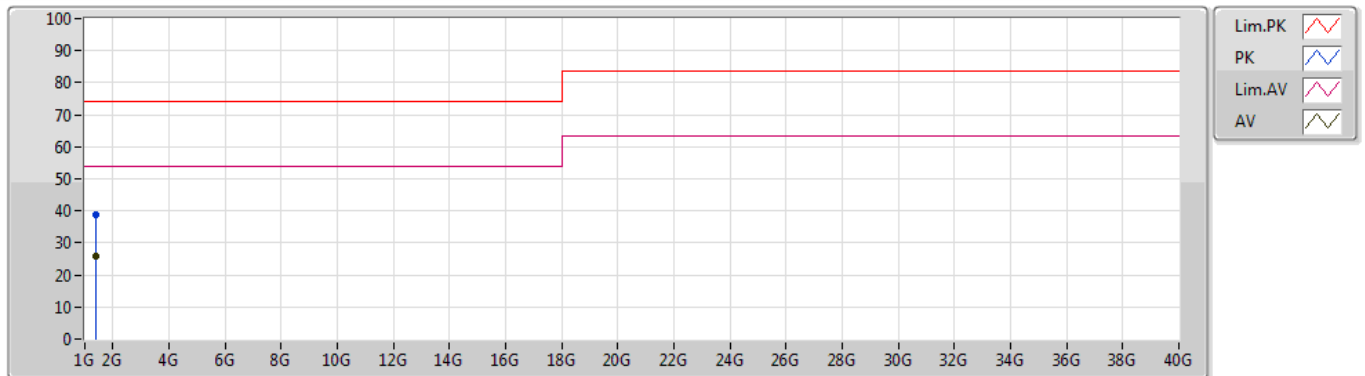
Appendix F

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.38075G	29.10	54.00	-24.90	Horizontal

Mode 1

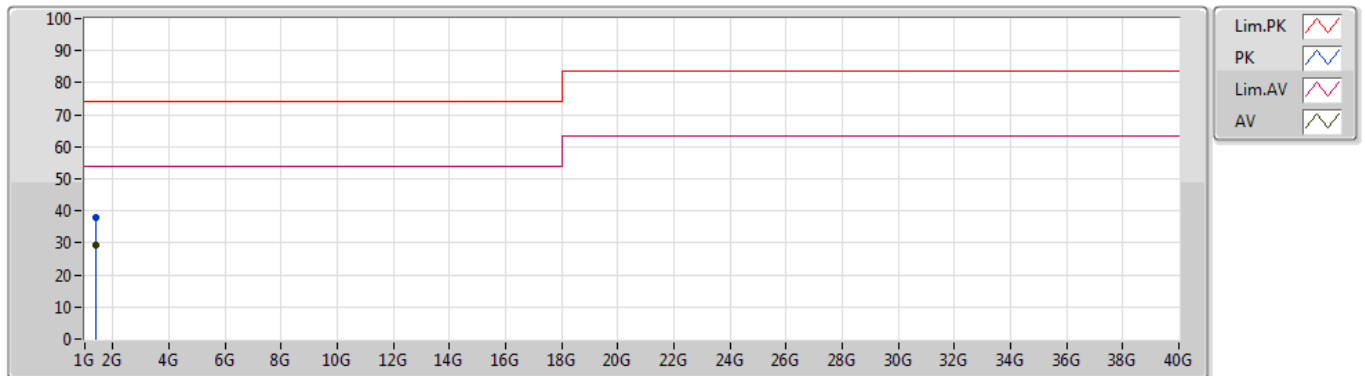
22/01/2021



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	1.38056G	38.85	74.00	-35.15	-6.62	3	Vertical	97	1.27	-	45.47	25.98	2.39	34.99
AV	1.38022G	25.93	54.00	-28.07	-6.62	3	Vertical	97	1.27	"Worst"	32.55	25.98	2.39	34.99

Mode 1

22/01/2021



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	1.38059G	37.92	74.00	-36.08	-6.62	3	Horizontal	207	2.14	-	44.54	25.98	2.39	34.99
AV	1.38075G	29.10	54.00	-24.90	-6.62	3	Horizontal	207	2.14	"Worst"	35.72	25.98	2.39	34.99