



FCC RADIO TEST REPORT

FCC ID : VW3FAST3896
Equipment : CABLE GATEWAY
Brand Name : SAGEMCOM
Model Name : F@ST3896UM
Applicant : SAGEMCOM BROADBAND SAS
250 Route de l'Empereur - 92848 RUEIL
MALMAISON CEDEX- FRANCE
Manufacturer : SAGEMCOM BROADBAND SAS
250 Route de l'Empereur - 92848 RUEIL
MALMAISON CEDEX- FRANCE
Standard : 47 CFR FCC Part 15.407

The product was received on Dec. 19, 2019, and testing was started from Dec. 24, 2019 and completed on Jan. 15, 2020. 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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 Ver1.0



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]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	4TX
5.15-5.25GHz	802.11n HT20	20	4TX
5.15-5.25GHz	802.11n HT20-BF	20	4TX
5.15-5.25GHz	802.11ac VHT20	20	4TX
5.15-5.25GHz	802.11ac VHT20-BF	20	4TX
5.15-5.25GHz	802.11ax HEW20	20	4TX
5.15-5.25GHz	802.11ax HEW20-BF	20	4TX
5.15-5.25GHz	802.11n HT40	40	4TX
5.15-5.25GHz	802.11n HT40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT40	40	4TX
5.15-5.25GHz	802.11ac VHT40-BF	40	4TX
5.15-5.25GHz	802.11ax HEW40	40	4TX
5.15-5.25GHz	802.11ax HEW40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT80	80	4TX
5.15-5.25GHz	802.11ac VHT80-BF	80	4TX
5.15-5.25GHz	802.11ax HEW80	80	4TX
5.15-5.25GHz	802.11ax HEW80-BF	80	4TX
5.725-5.85GHz	802.11a	20	4TX
5.725-5.85GHz	802.11n HT20	20	4TX
5.725-5.85GHz	802.11n HT20-BF	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ac VHT20-BF	20	4TX
5.725-5.85GHz	802.11ax HEW20	20	4TX
5.725-5.85GHz	802.11ax HEW20-BF	20	4TX
5.725-5.85GHz	802.11n HT40	40	4TX



Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11n HT40-BF	40	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ac VHT40-BF	40	4TX
5.725-5.85GHz	802.11ax HEW40	40	4TX
5.725-5.85GHz	802.11ax HEW40-BF	40	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ac VHT80-BF	80	4TX
5.725-5.85GHz	802.11ax HEW80	80	4TX
5.725-5.85GHz	802.11ax HEW80-BF	80	4TX

Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ HEW20, HEW40, HEW80 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.
- ♦ Nss-Min is the minimum number of spatial streams.
- ♦ Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

**1.1.2 Antenna Information****<Antenna gain>**

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	
						2.4GHz	5GHz
1	1	WANSIH	UC6WFI0107A	Dipole Antenna	I-PEX	3.32	4.98
2	2	WANSIH	UC6WFI0108A	Dipole Antenna	I-PEX		
3	3	WANSIH	UC6WFI0109A	Dipole Antenna	I-PEX		
4	4	WANSIH	UC6WFI0110A	Dipole Antenna	I-PEX		

<Correlated gain>

Correlated TX / Streams	Gain (dBi)		
	2.4GHz	5GHz Band 1	5GHz Band 4
4T1S (Ant. 1/2/3/4)	6.21	7.36	7.39

Note: The above information was declared by manufacturer.

For 2.4GHz function:**For IEEE 802.11b/g/n/VHT/ax (4TX/4RX):**

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For 5GHz function:**For IEEE 802.11a/n/ac/ax (4TX/4RX):**

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.948	0.23	2.068m	1k
802.11ac VHT20	0.981	0.08	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ac VHT20-BF	0.947	0.24	2.928m	1k
802.11ac VHT40	0.964	0.16	775u	3k
802.11ac VHT40-BF	0.981	0.08	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ac VHT80	0.932	0.31	405u	3k
802.11ac VHT80-BF	0.956	0.2	4.147m	300
802.11ax HEW20	0.981	0.08	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW20-BF	0.947	0.24	2.928m	1k
802.11ax HEW40	0.964	0.16	775u	3k
802.11ax HEW40-BF	0.981	0.08	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW80	0.932	0.31	405u	3k
802.11ax HEW80-BF	0.956	0.2	4.147m	300

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz.			
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
Test Software Version	MTool 3.1.0.1			

Note: The above information was declared by manufacturer.



1.2 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013
- ♦ FCC KDB 789033 D02 v02r01
- ♦ 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, Lane 724, Bo-ai St., Jhubei 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	Test Date
RF Conducted	TH02-CB	Brian Sun	18-19.3°C / 67-70%	Jan. 02, 2020~ Jan. 15, 2020
Radiated (Below 1GHz)	03CH03-CB	Cola Fan	21.2-22.4°C / 52-55%	Dec. 26, 2019
Radiated (Above 1GHz)	03CH04-CB	Zero Chen	17.9-18.7°C / 66-70%	Dec. 24, 2019~ Dec. 25, 2019
AC Conduction	CO01-CB	Deven Huang	22-23°C / 58-60%	Dec. 26, 2019

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 (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	5.1 dB	Confidence levels of 95%
Conducted Emission	2.4 dB	Confidence levels of 95%
Output Power Measurement	1.5 dB	Confidence levels of 95%
Power Density Measurement	2.4 dB	Confidence levels of 95%
Bandwidth Measurement	2%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode
802.11a_Nss1,(6Mbps)_4TX
5180MHz
5200MHz
5240MHz
5745MHz
5785MHz
5825MHz
802.11ac VHT20_Nss1,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
5745MHz
5785MHz
5825MHz
802.11ac VHT40_Nss1,(MCS0)_4TX
5190MHz
5230MHz
5755MHz
5795MHz
802.11ac VHT80_Nss1,(MCS0)_4TX
5210MHz
5775MHz
802.11ax HEW20_Nss1,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
5745MHz
5785MHz
5825MHz
802.11ax HEW40_Nss1,(MCS0)_4TX
5190MHz
5230MHz
5755MHz
5795MHz
802.11ax HEW80_Nss1,(MCS0)_4TX
5210MHz



Mode
5775MHz
802.11ac VHT20-BF_Nss1,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
5745MHz
5785MHz
5825MHz
802.11ac VHT40-BF_Nss1,(MCS0)_4TX
5190MHz
5230MHz
5755MHz
5795MHz
802.11ac VHT80-BF_Nss1,(MCS0)_4TX
5210MHz
5775MHz
802.11ax HEW20-BF_Nss1,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
5745MHz
5785MHz
5825MHz
802.11ax HEW40-BF_Nss1,(MCS0)_4TX
5190MHz
5230MHz
5755MHz
5795MHz
802.11ax HEW80-BF_Nss1,(MCS0)_4TX
5210MHz
5775MHz

Note:

- ♦ There are two modes of EUT, one is beamforming mode, and the other is Non-beamforming mode for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz. Beamforming mode and Non-beamforming mode has been test and record in this test report.



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 with Adapter 1
2	EUT with Adapter 2
For operating mode 1 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	EUT with Adapter 1
2	EUT with Adapter 2
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
Adapter 1 has been evaluated to be the worst case at Emissions in Unwanted Emissions <Below 1GHz>; thus, the measurement will follow this same test configuration.	
1	WLAN 2.4GHz+WLAN 5GHz + Adapter 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+WLAN 5GHz
Refer to Sporton Test Report No.: FA9N2622 for Co-location RF Exposure Evaluation.	



2.3 EUT Operation during Test

For CTX Mode:

<non-beamforming mode>

The EUT was programmed to be in continuously transmitting mode.

<beamforming mode>

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

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

The program was executed as follows:

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

<For Normal Link>

During the test, the EUT operation to normal function.

2.4 Accessories

Power	Brand	Model	Rating
Adapter 1	NetBit	NBS42E120350VU	Input: 100-120V~50/60Hz 1.0A Output: 12V, 3.5A
Adapter 2	MOSO	MSG-V3500AR120-042A0-US	Input: 100-120V~50/60Hz 1.2A Max. Output: 12.0V, 3.5A



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Flash disk3.0	Transcend	JetFlash-700	N/A
B	LAN NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	Phone1	SAMPO	HT-B 907WL	N/A
F	Phone2	SAMPO	HT-B 907WL	N/A
G	Terminal system	CASA	C2200	N/A
H	Switch	Hewlett-Packard	JE074B	N/A
I	MOCA	Netgear	C7100V	N/A
J	2.5G PC	DELL	T3400	N/A
K	Terminal system NB	DELL	E6430	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	2.5G PC	DELL	T3400	N/A
B	Notebook	DELL	E4300	N/A
C	Notebook	DELL	E4300	N/A
D	Notebook	DELL	E4300	N/A
E	Terminal system	CASA	C2200	N/A
F	Phone	SAMPO	HT-B 907WL	N/A
G	Phone	SAMPO	HT-B 907WL	N/A
H	Flash disk3.0	Silicon Power	B06	N/A
I	Notebook	DELL	E4300	N/A
J	MOCA	Netgear	C7100V	N/A
K	Switch	Hewlett-Packard	JE074B	N/A

**For Radiated (above 1GHz):**

<non-beamforming mode>

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

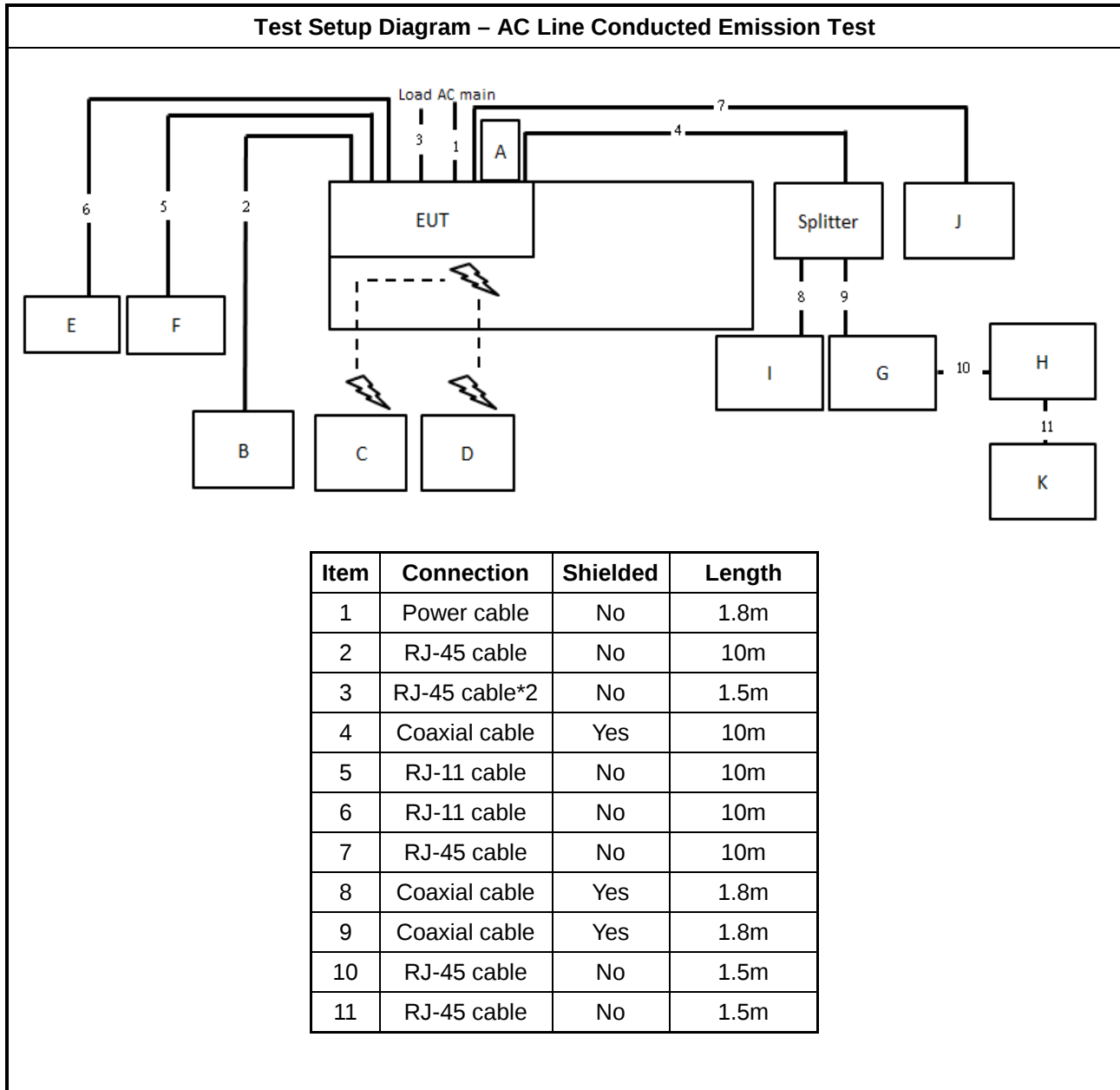
<beamforming mode>

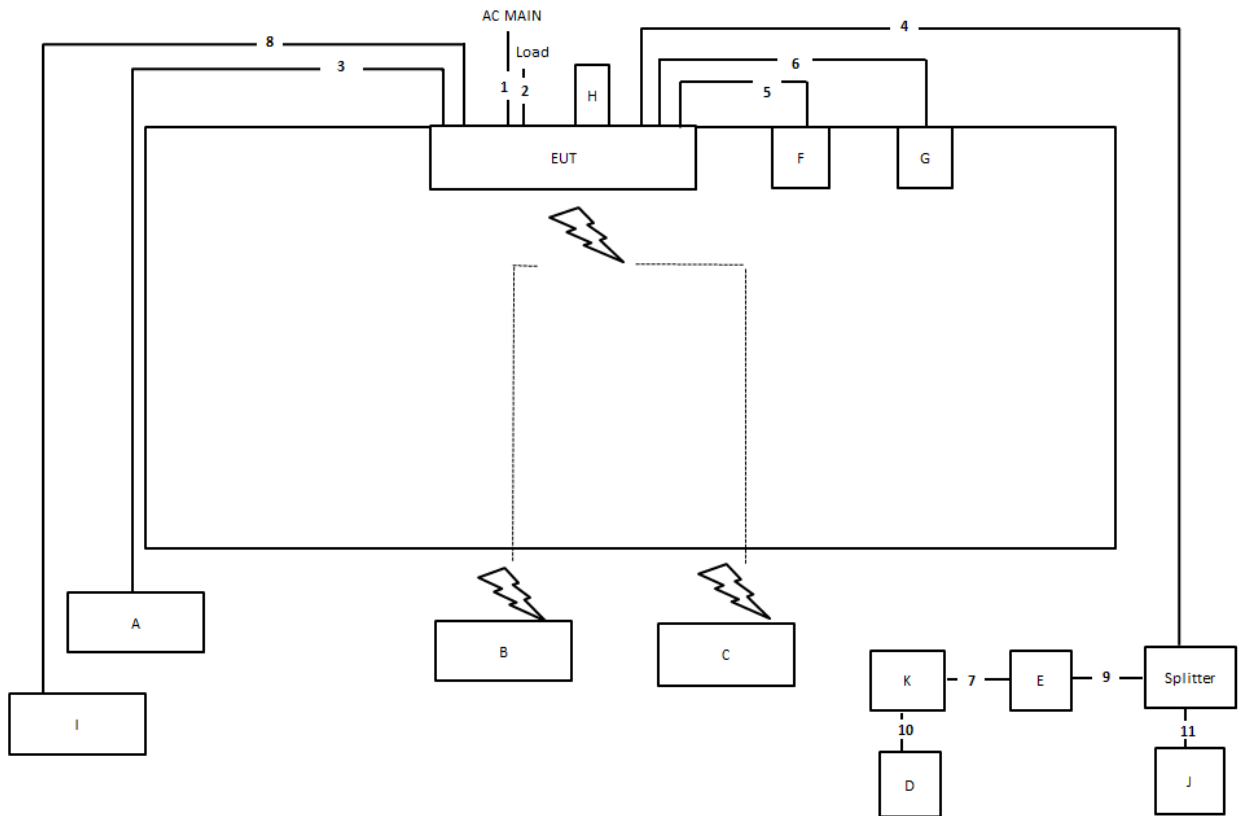
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	RX Device	ASUS	RT-AX88U	MSQ-RTAXHP00
C	Notebook	DELL	E4300	N/A

For RF Conducted:

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

2.6 Test Setup Diagram

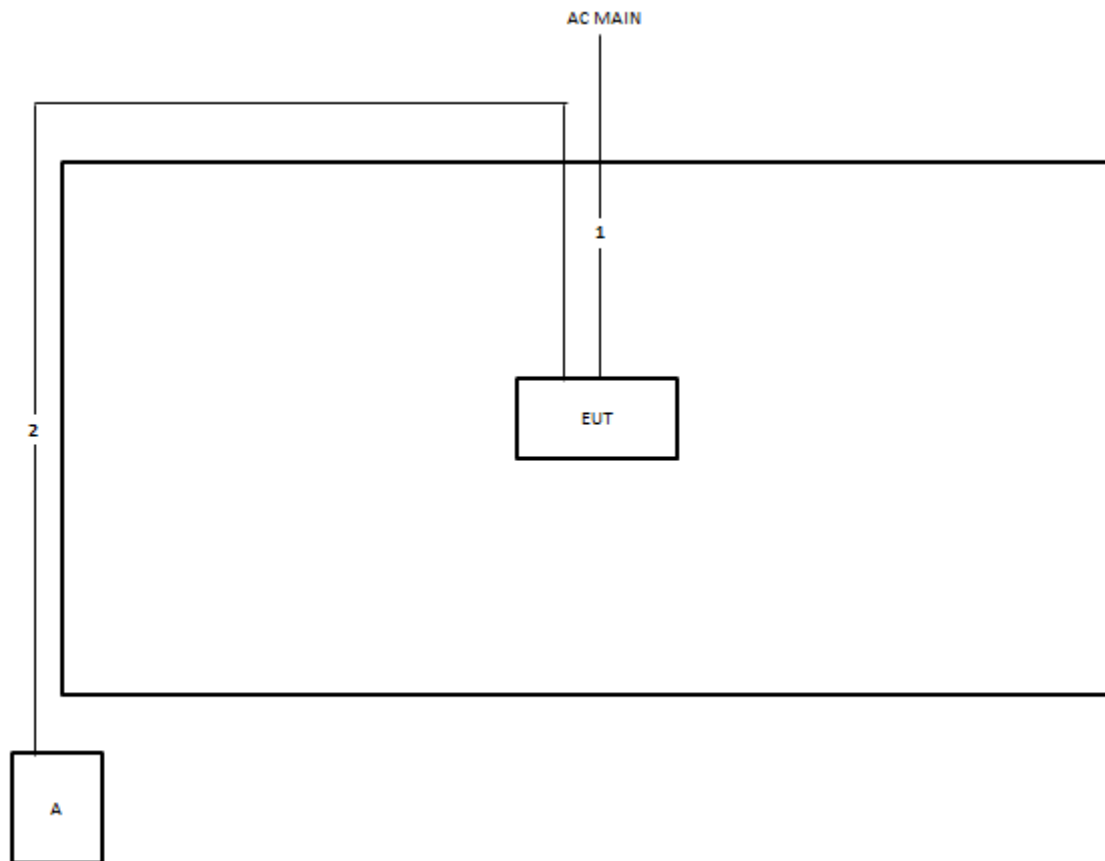


Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable*2	No	1.5m
3	RJ-45 cable	No	10m
4	Coaxial cable	Yes	10m
5	RJ-11 cable	No	1.5m
6	RJ-11 cable	No	1.5m
7	RJ-45 cable	No	1.5m
8	RJ-45 cable	No	10m
9	Coaxial cable	Yes	1.8m
10	RJ-45 cable	No	1.5m
11	Coaxial cable	Yes	1.8m

Test Setup Diagram - Radiated Test > 1GHz

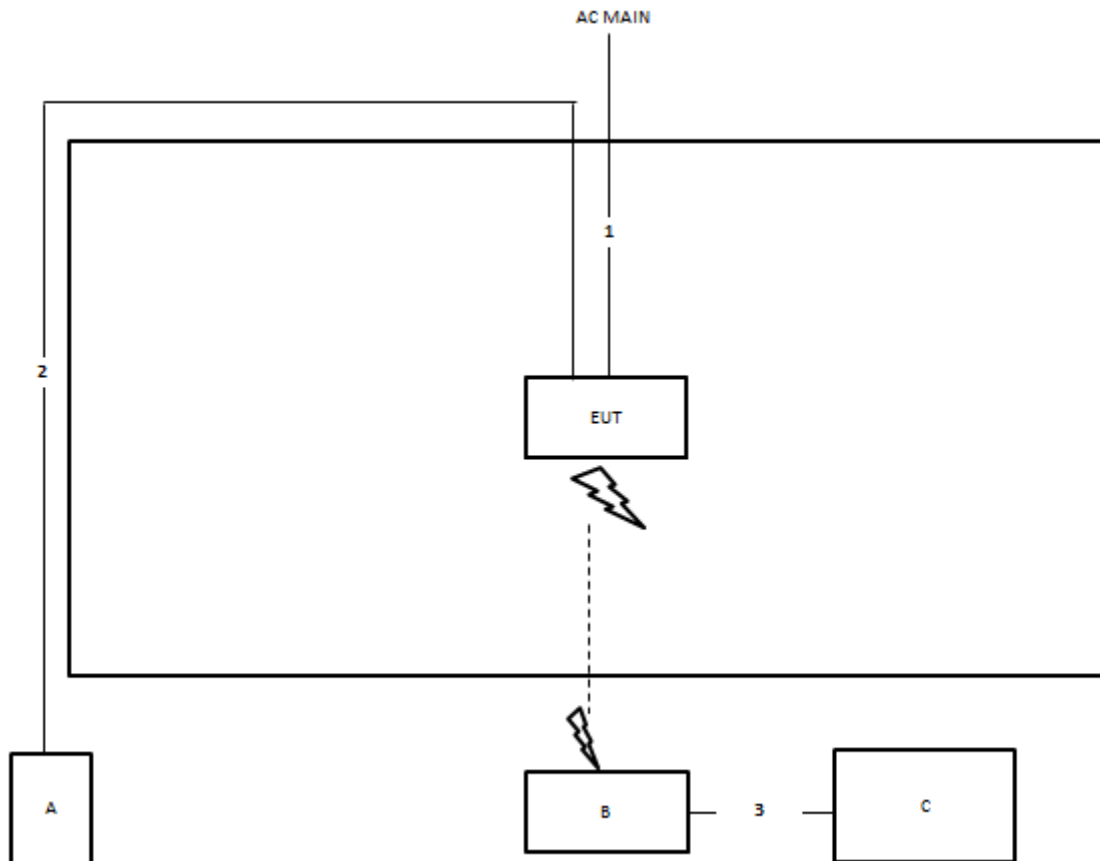
<non-beamforming mode>



Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test > 1GHz

<beamforming mode>



Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.5m



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.

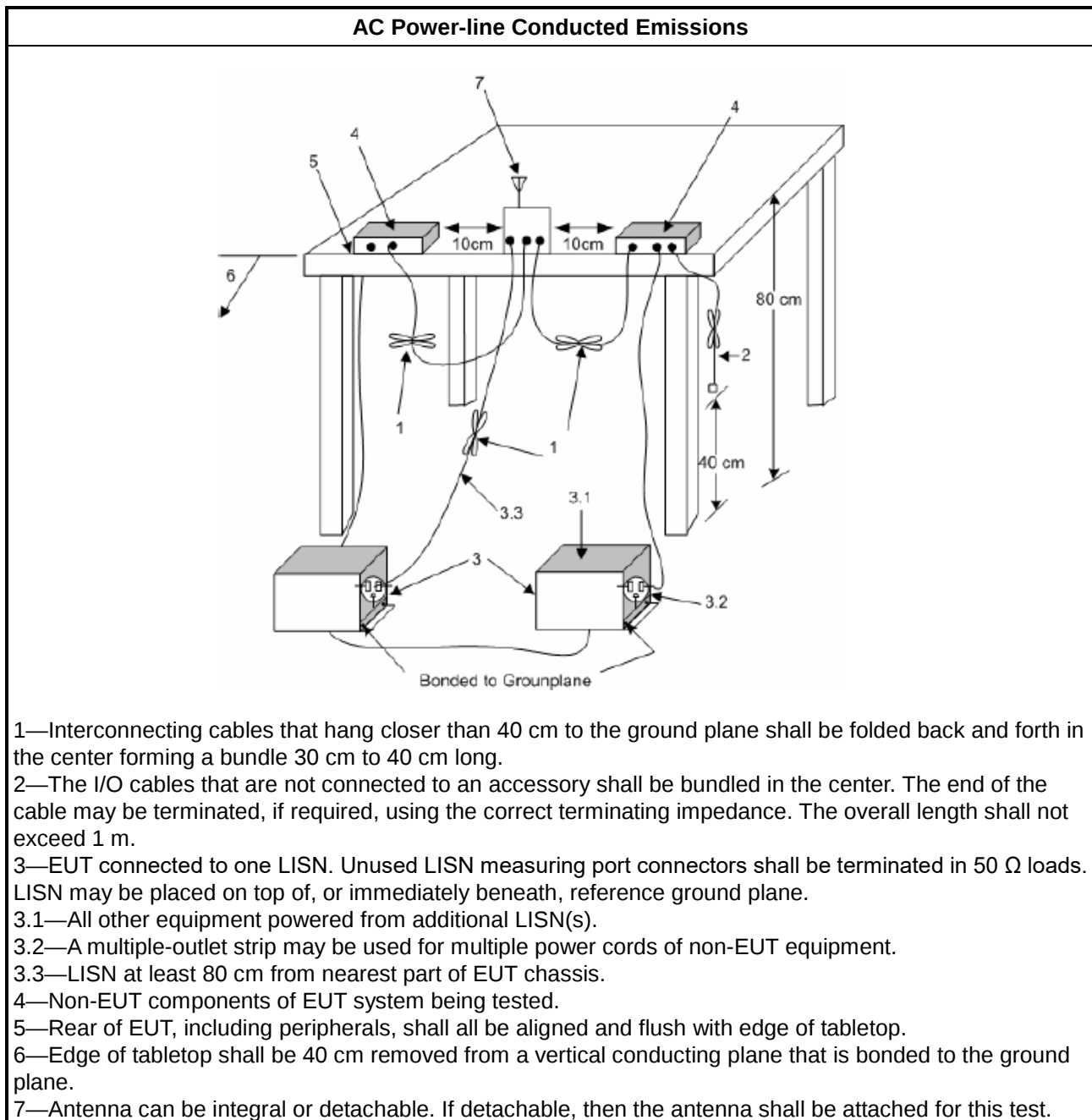
3.1.2 Measuring Instruments

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 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

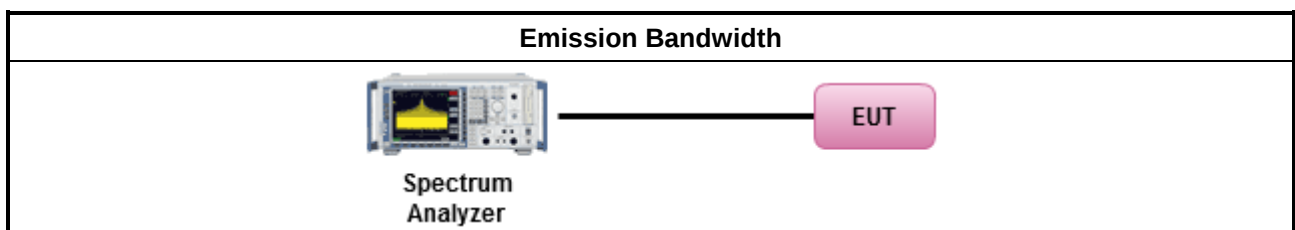
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
For the emission bandwidth shall be measured using one of the options below:	
☒	Refer as FCC KDB 789033, 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.	

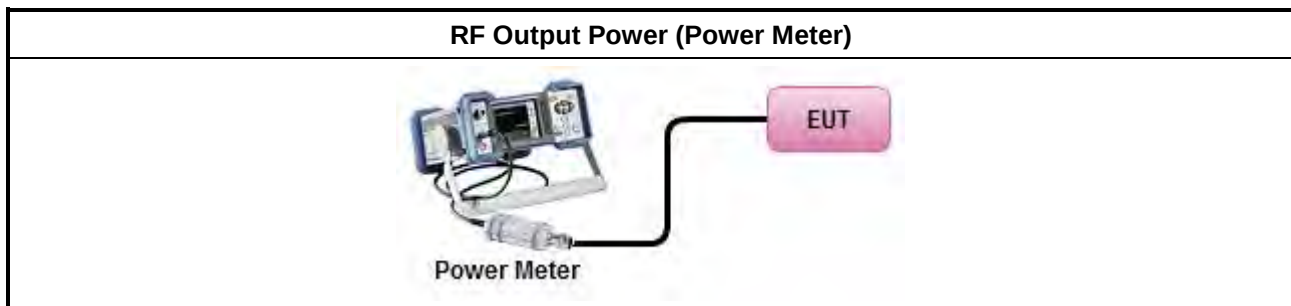
3.3.2 Measuring Instruments

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.	



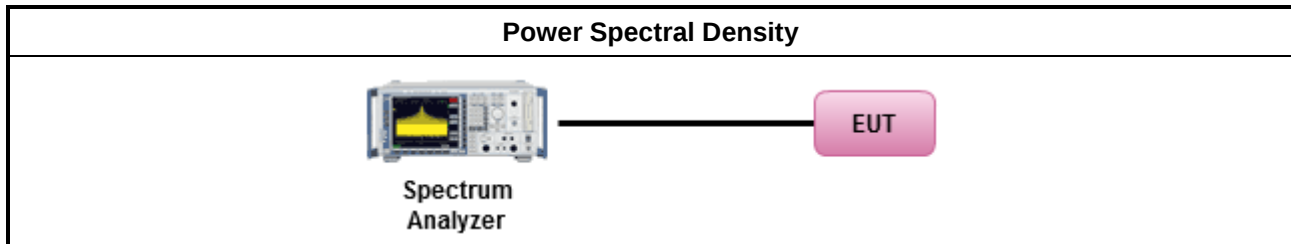
3.4.2 Measuring Instruments

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).

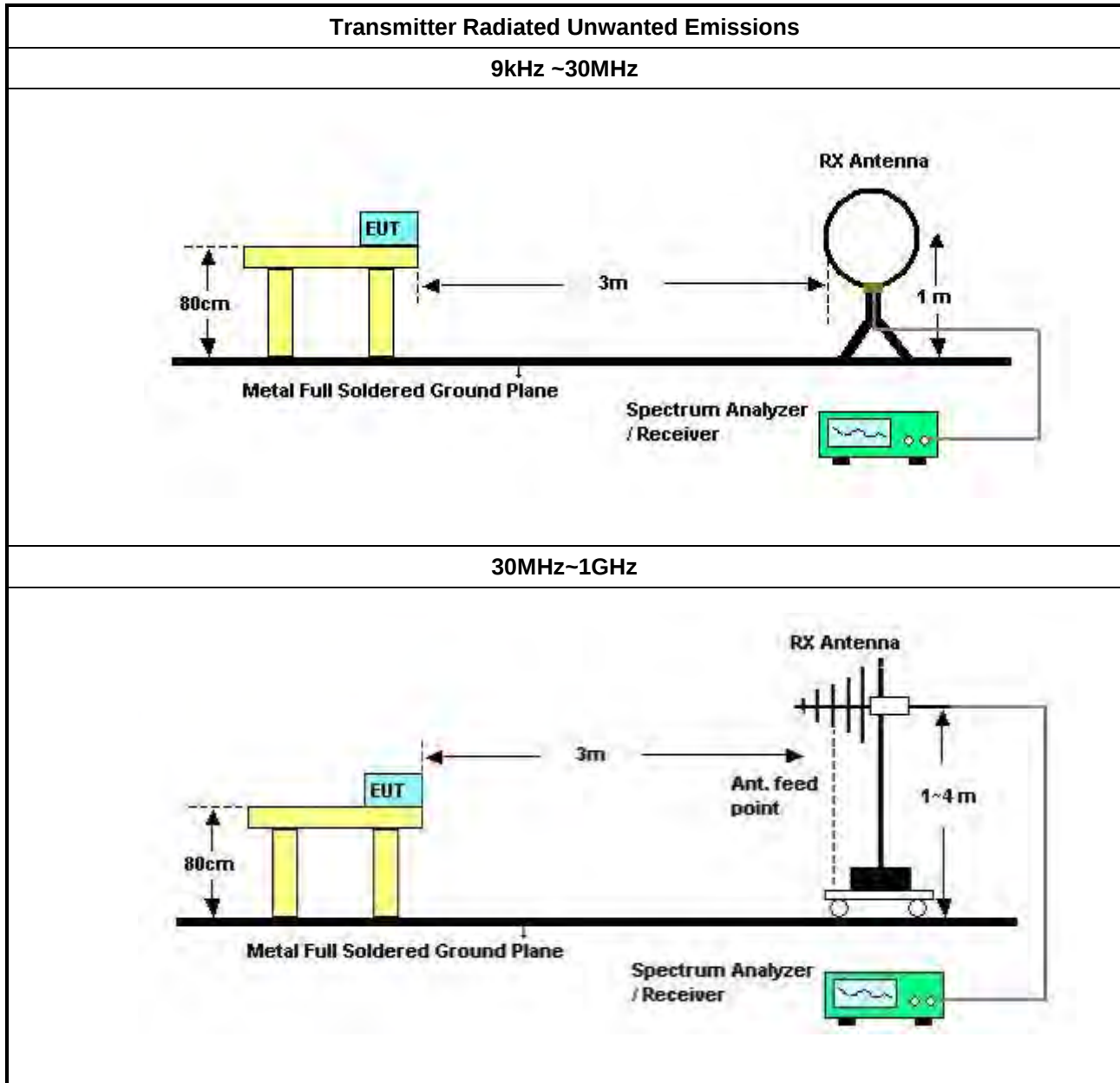
3.5.2 Measuring Instruments

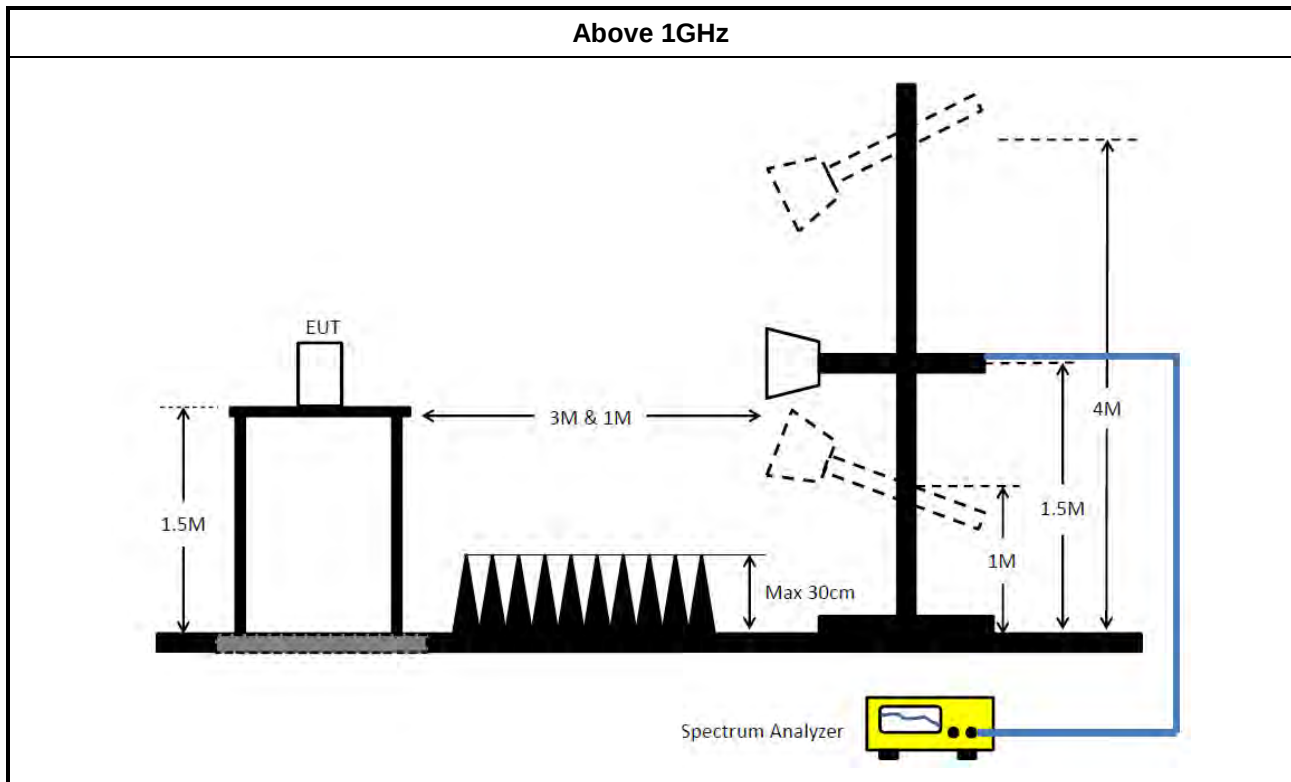
Refer a test equipment and calibration data table in this test report.

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 + Cable Loss + Read Level - Preamp Factor = 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 10 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

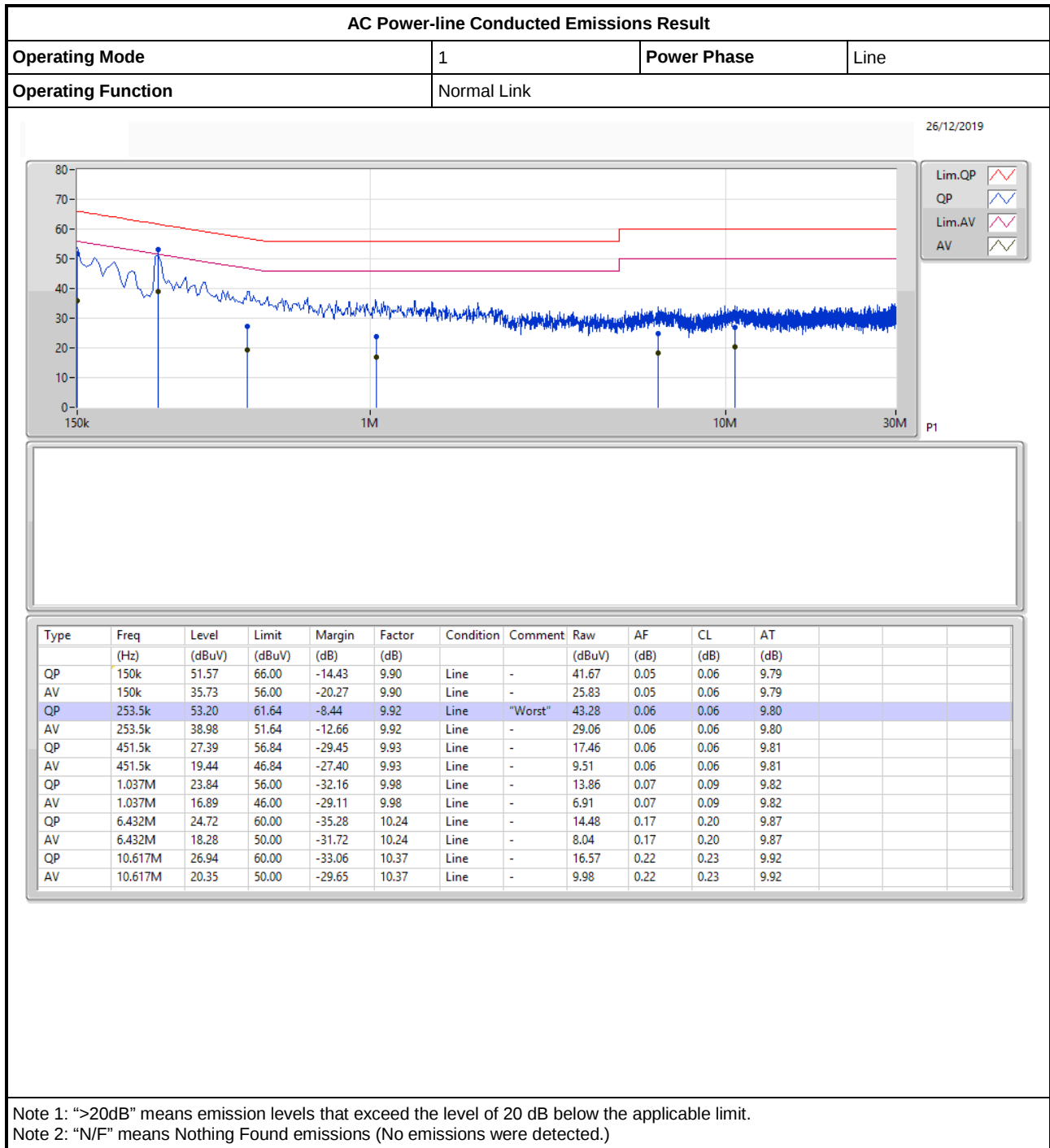
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 28, 2019	Jan. 29, 2020	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 21, 2019	Nov. 20, 2020	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Oct. 30, 2019	Oct. 29, 2020	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 21, 2019	May 20, 2020	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Bilog Antenna with 6 dB attenuator	Schaffner	CBL6112B & N-6-06	2928 & AT-N0607	20MHz ~ 2GHz	Jan. 02, 2019	Jan. 01, 2020	Radiation (03CH03-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH03-CB)
Horn Antenna	ETS • Lindgren	3115	6821	750MHz~18GHz	Jan. 24, 2019	Jan. 23, 2020	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 16, 2019	Jan. 15, 2020	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 19, 2019	Jun. 18, 2020	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 15, 2019	May 14, 2020	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+27	25MHz ~ 1GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH03-CB)
Horn Antenna	ETS • Lindgren	3115	00143147	750MHz~18GHz	Oct. 22, 2019	Oct. 21, 2020	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 12, 2019	Jun. 11, 2020	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Mar. 19, 2019	Mar. 18, 2020	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Dec. 18, 2019	Dec. 17, 2020	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+22	1GHz - 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Jul. 02, 2019	Jul. 01, 2020	Conducted (TH02-CB)

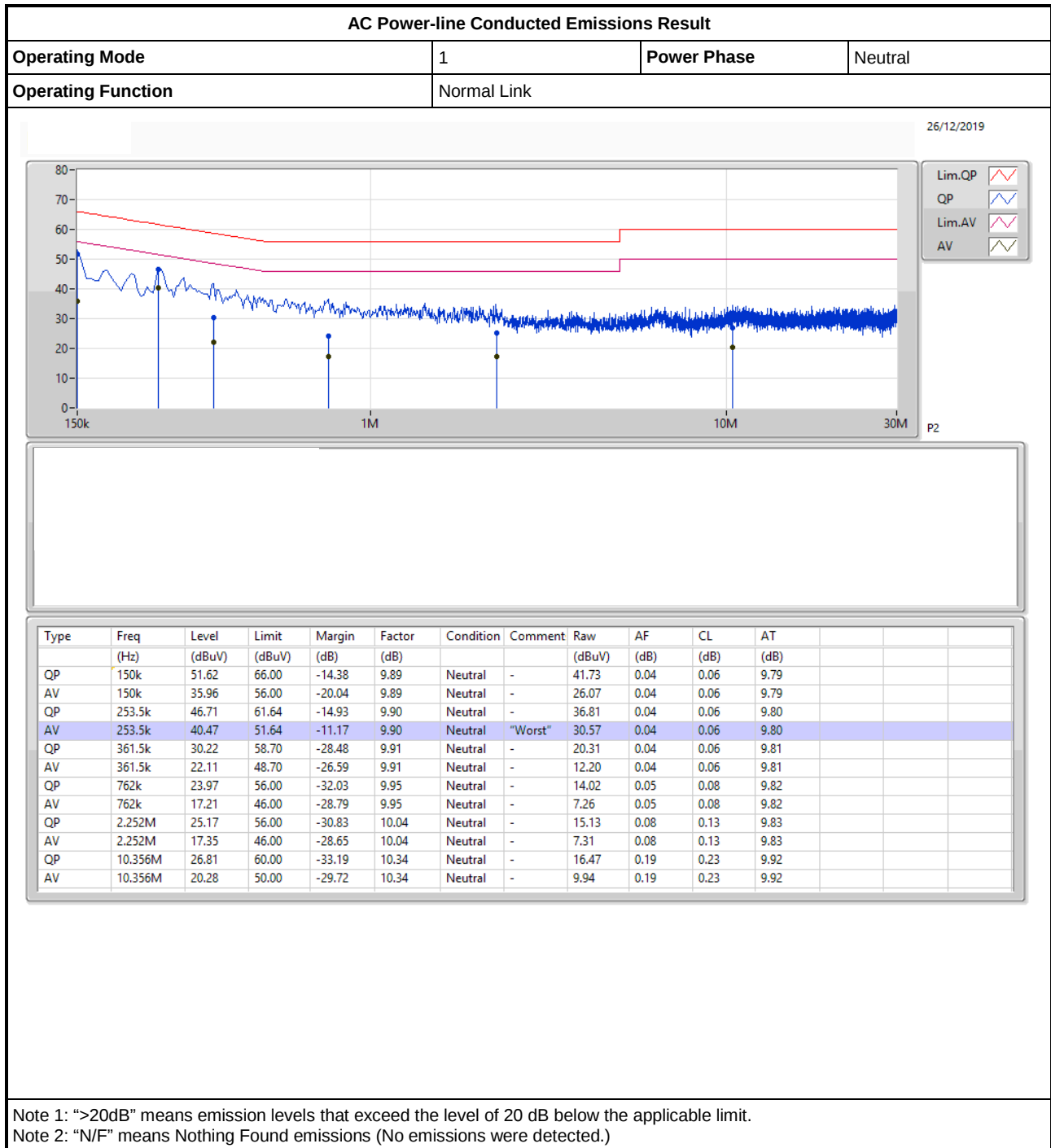


Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Sep. 11, 2019	Sep. 10, 2020	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Sep. 11, 2019	Sep. 10, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-3	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)

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

NCR means Non-Calibration required.





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	27.51M	17.421M	17M4D1D	21.21M	16.672M
802.11ax HEW20_Nss1,(MCS0)_4TX	23.28M	19.19M	19M2D1D	21.33M	19.01M
802.11ax HEW40_Nss1,(MCS0)_4TX	47.46M	37.841M	37M8D1D	39.9M	37.481M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.08M	77.121M	77M1D1D	81.48M	76.882M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	22.8M	19.16M	19M2D1D	21.27M	19.01M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.38M	37.721M	37M7D1D	39.84M	37.421M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	82.2M	77.121M	77M1D1D	81.84M	76.882M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.53M	17.811M	17M8D1D	16.32M	17.211M
802.11ax HEW20_Nss1,(MCS0)_4TX	18.96M	19.46M	19M5D1D	18.69M	19.22M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.56M	38.081M	38M1D1D	36.6M	37.841M
802.11ax HEW80_Nss1,(MCS0)_4TX	76.08M	78.201M	78M2D1D	75.12M	77.721M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	18.96M	19.19M	19M2D1D	18.78M	19.07M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	37.56M	37.781M	37M8D1D	36.6M	37.661M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	76.68M	77.481M	77M5D1D	75.24M	77.361M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

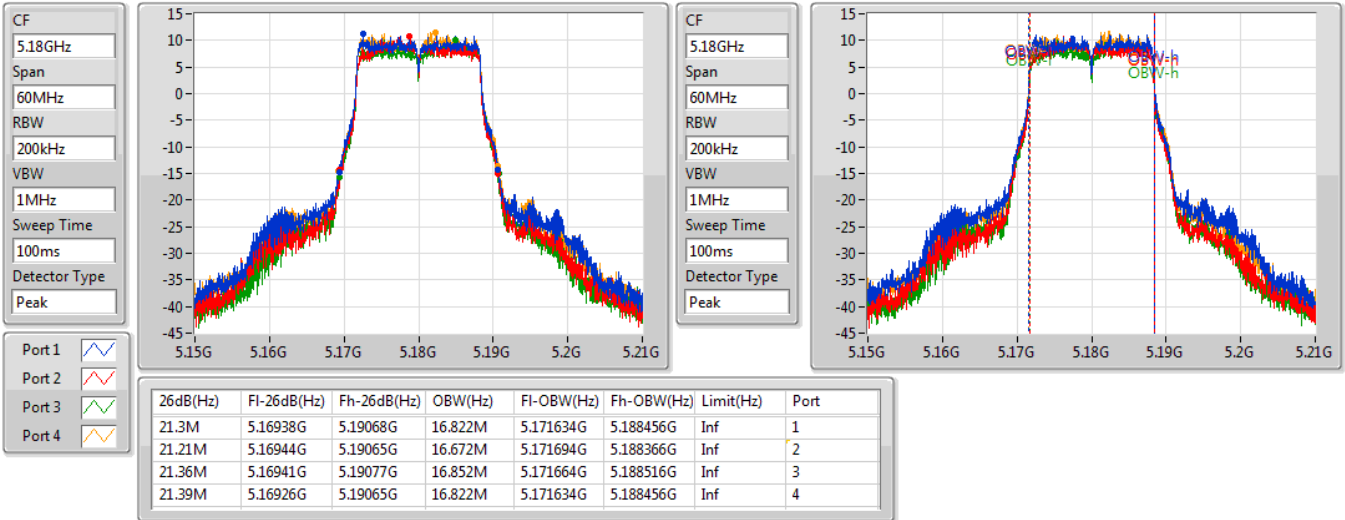
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.3M	16.822M	21.21M	16.672M	21.36M	16.852M	21.39M	16.822M
5200MHz	Pass	Inf	27.51M	17.421M	21.99M	16.852M	23.79M	17.091M	25.5M	17.181M
5240MHz	Pass	Inf	21.57M	16.852M	21.33M	16.732M	21.84M	16.912M	21.39M	16.852M
5745MHz	Pass	500k	16.41M	17.691M	16.53M	17.211M	16.53M	17.331M	16.53M	17.451M
5785MHz	Pass	500k	16.32M	17.721M	16.32M	17.271M	16.32M	17.241M	16.32M	17.451M
5825MHz	Pass	500k	16.32M	17.811M	16.32M	17.271M	16.35M	17.361M	16.32M	17.691M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.48M	19.1M	21.42M	19.1M	21.33M	19.01M	21.33M	19.01M
5200MHz	Pass	Inf	23.28M	19.19M	22.47M	19.1M	21.54M	19.04M	22.71M	19.1M
5240MHz	Pass	Inf	23.07M	19.19M	22.62M	19.13M	21.6M	19.07M	22.86M	19.1M
5745MHz	Pass	500k	18.78M	19.46M	18.69M	19.28M	18.96M	19.25M	18.87M	19.37M
5785MHz	Pass	500k	18.75M	19.43M	18.72M	19.28M	18.93M	19.22M	18.93M	19.31M
5825MHz	Pass	500k	18.78M	19.37M	18.9M	19.25M	18.72M	19.22M	18.96M	19.31M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.14M	37.661M	39.96M	37.481M	39.9M	37.541M	40.08M	37.541M
5230MHz	Pass	Inf	47.46M	37.841M	47.46M	37.721M	45.36M	37.721M	47.16M	37.781M
5755MHz	Pass	500k	36.6M	38.081M	37.44M	37.901M	37.26M	37.901M	37.56M	37.961M
5795MHz	Pass	500k	37.26M	37.961M	37.56M	37.901M	37.2M	37.841M	36.84M	37.901M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.48M	77.121M	81.84M	76.882M	81.96M	76.882M	82.08M	77.001M
5775MHz	Pass	500k	75.12M	78.201M	75.36M	77.841M	76.08M	77.721M	75.24M	78.081M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.54M	19.16M	21.27M	19.07M	21.48M	19.01M	21.36M	19.04M
5200MHz	Pass	Inf	22.26M	19.13M	21.36M	19.1M	21.45M	19.01M	22.8M	19.07M
5240MHz	Pass	Inf	21.57M	19.16M	21.63M	19.13M	21.63M	19.07M	21.63M	19.1M
5745MHz	Pass	500k	18.78M	19.19M	18.87M	19.13M	18.93M	19.1M	18.93M	19.1M
5785MHz	Pass	500k	18.93M	19.16M	18.84M	19.13M	18.93M	19.1M	18.96M	19.13M
5825MHz	Pass	500k	18.78M	19.16M	18.87M	19.13M	18.93M	19.07M	18.93M	19.1M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.02M	37.601M	39.96M	37.541M	39.84M	37.421M	40.14M	37.541M
5230MHz	Pass	Inf	40.02M	37.721M	40.2M	37.541M	39.84M	37.601M	40.38M	37.721M
5755MHz	Pass	500k	36.6M	37.721M	36.96M	37.781M	37.26M	37.721M	37.56M	37.661M
5795MHz	Pass	500k	36.84M	37.721M	37.56M	37.661M	36.78M	37.661M	37.56M	37.721M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	82.2M	77.121M	81.84M	76.882M	82.08M	76.882M	81.84M	77.121M
5775MHz	Pass	500k	75.6M	77.481M	75.72M	77.361M	75.24M	77.361M	76.68M	77.361M

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

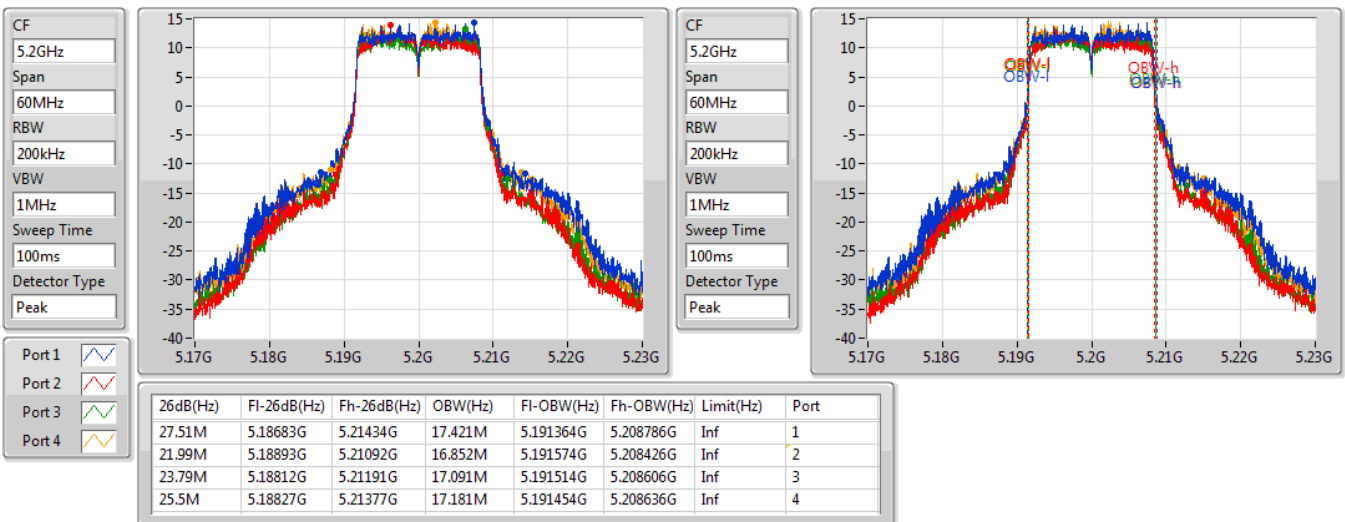
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_4TX
EBW
5180MHz

02/01/2020

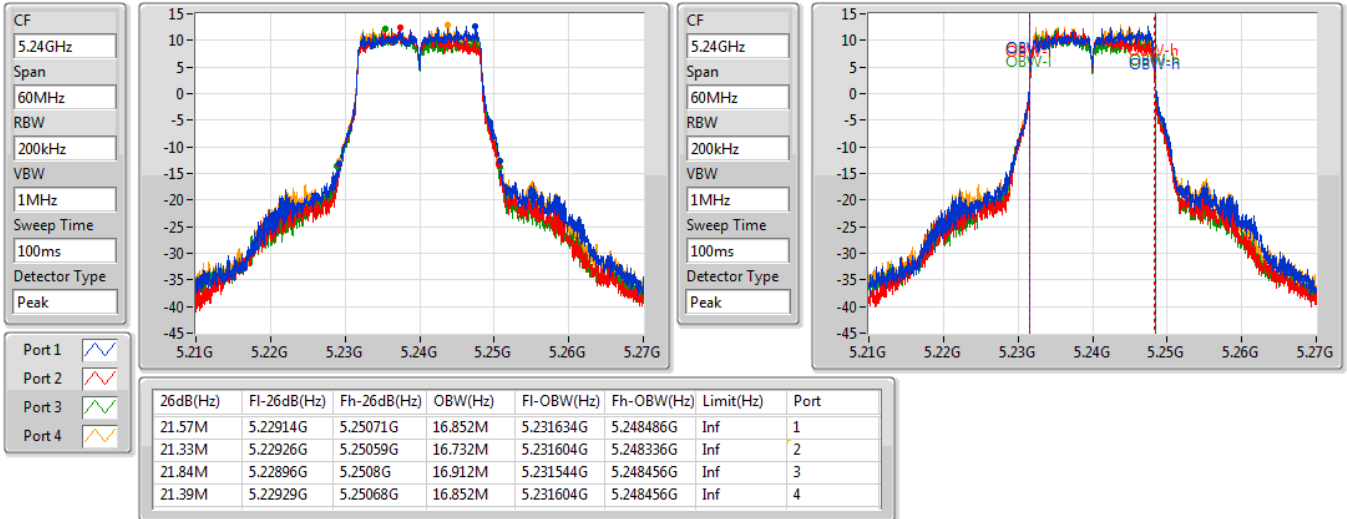

802.11a_Nss1,(6Mbps)_4TX
EBW
5200MHz

02/01/2020

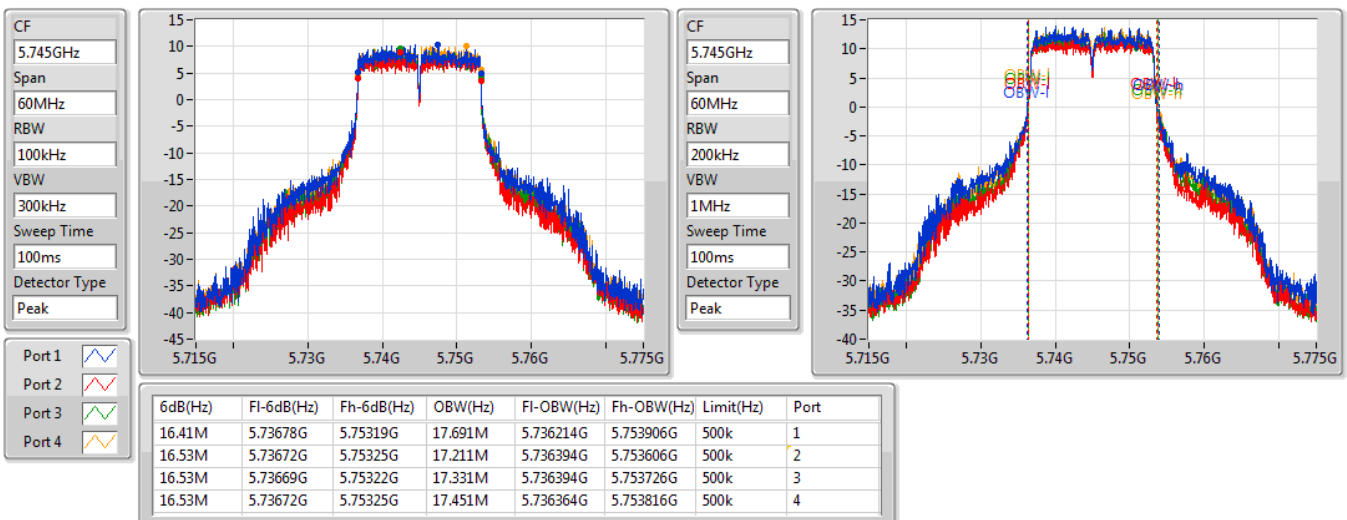


802.11a_Nss1,(6Mbps)_4TX
EBW
5240MHz

02/01/2020

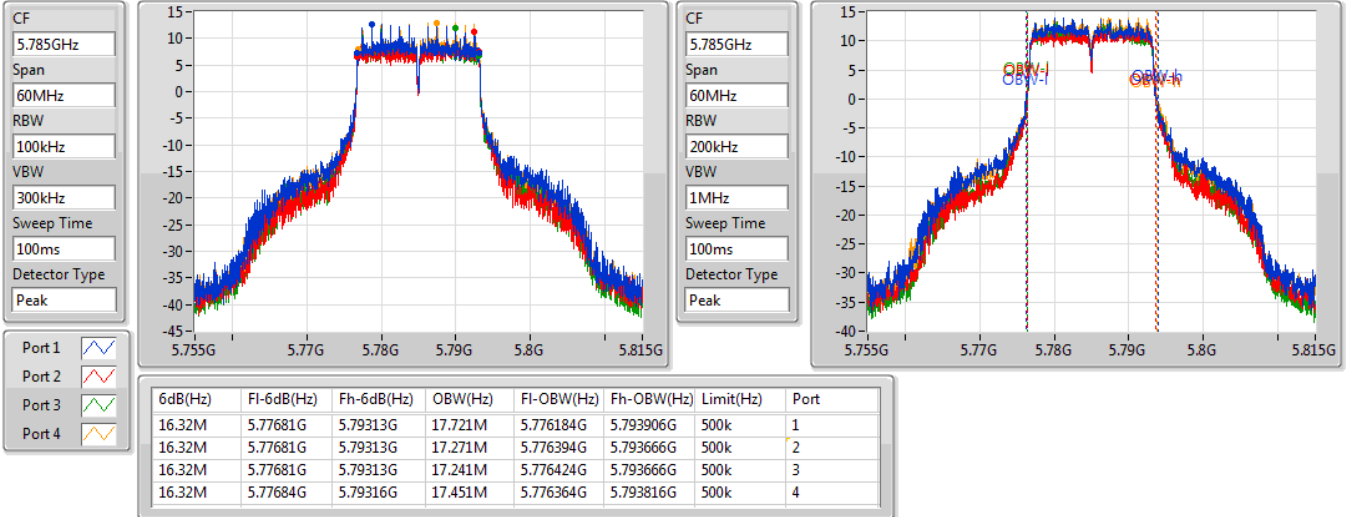

802.11a_Nss1,(6Mbps)_4TX
EBW
5745MHz

02/01/2020

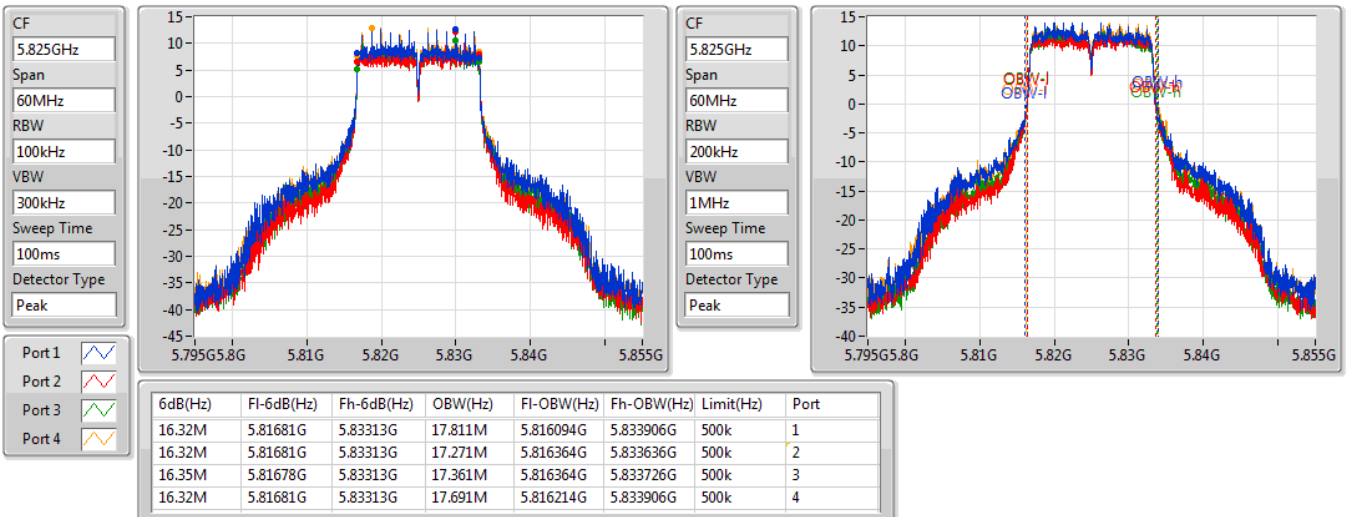


802.11a_Nss1,(6Mbps)_4TX
EBW
5785MHz

02/01/2020

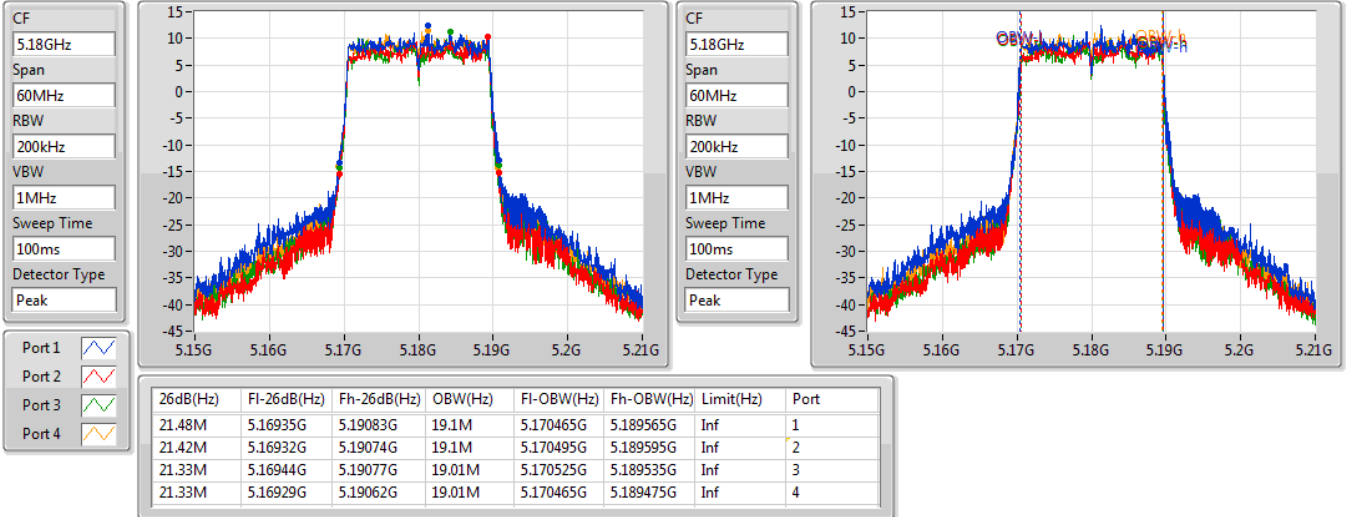

802.11a_Nss1,(6Mbps)_4TX
EBW
5825MHz

02/01/2020

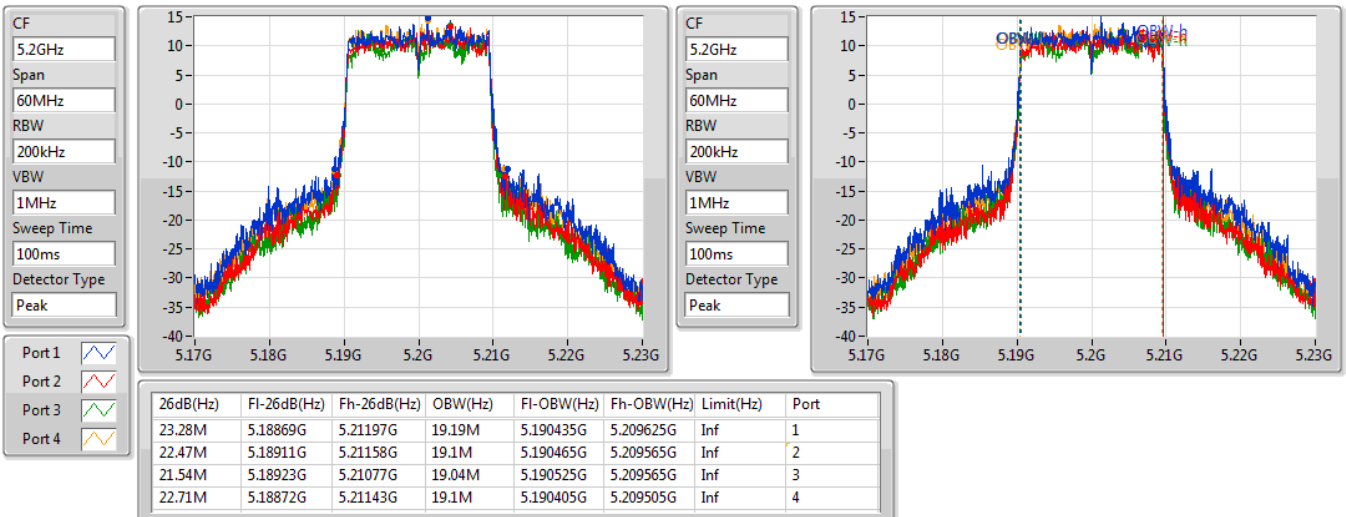


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5180MHz

02/01/2020

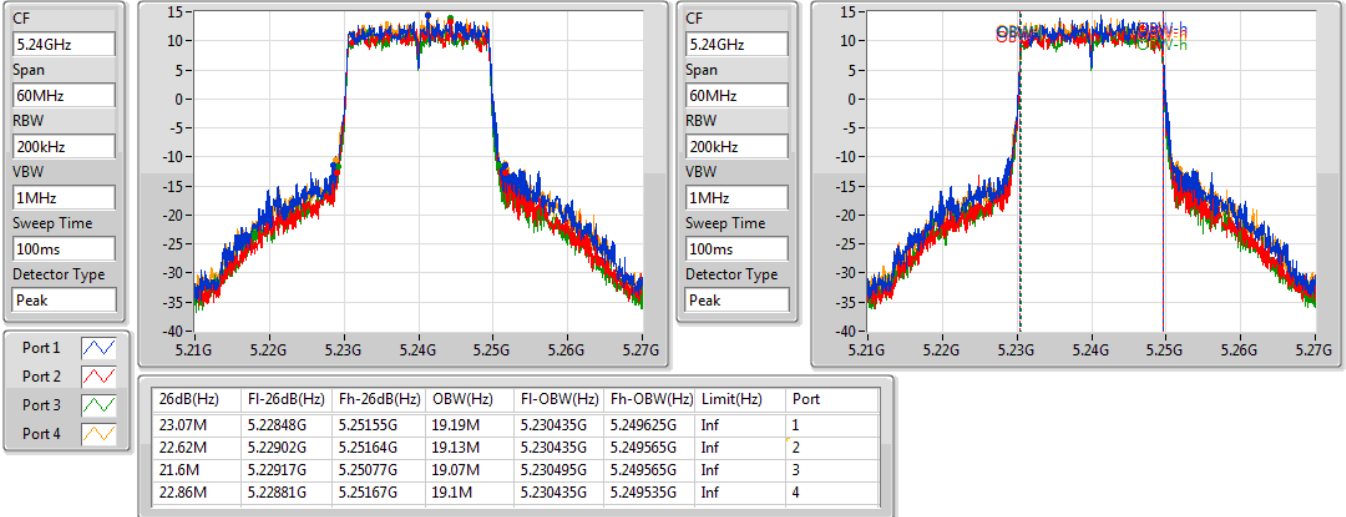

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5200MHz

02/01/2020

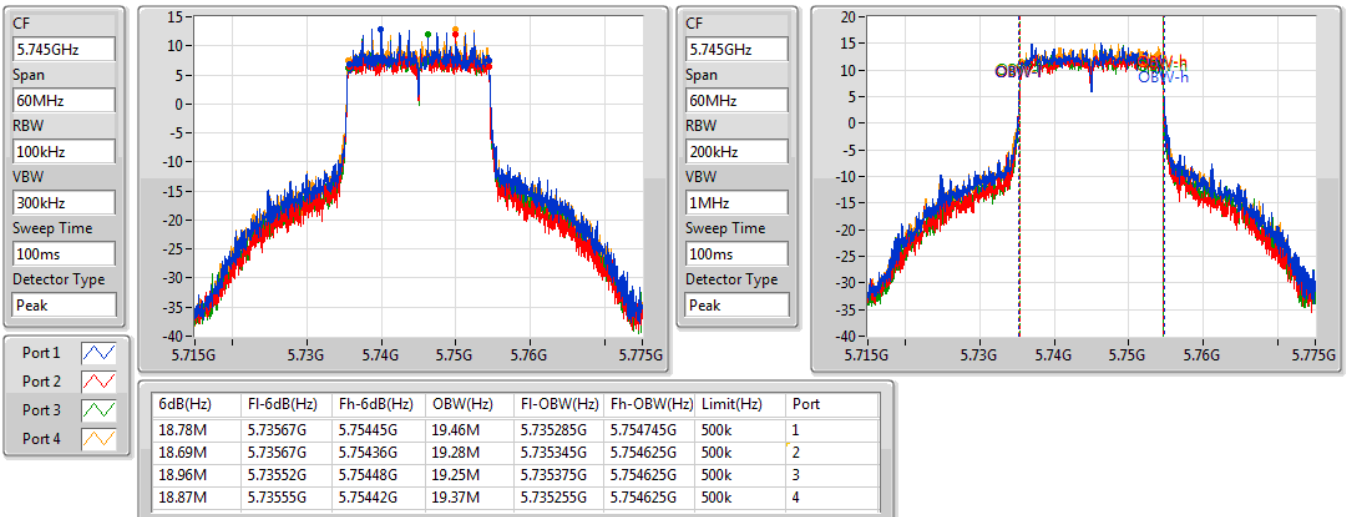


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5240MHz

02/01/2020

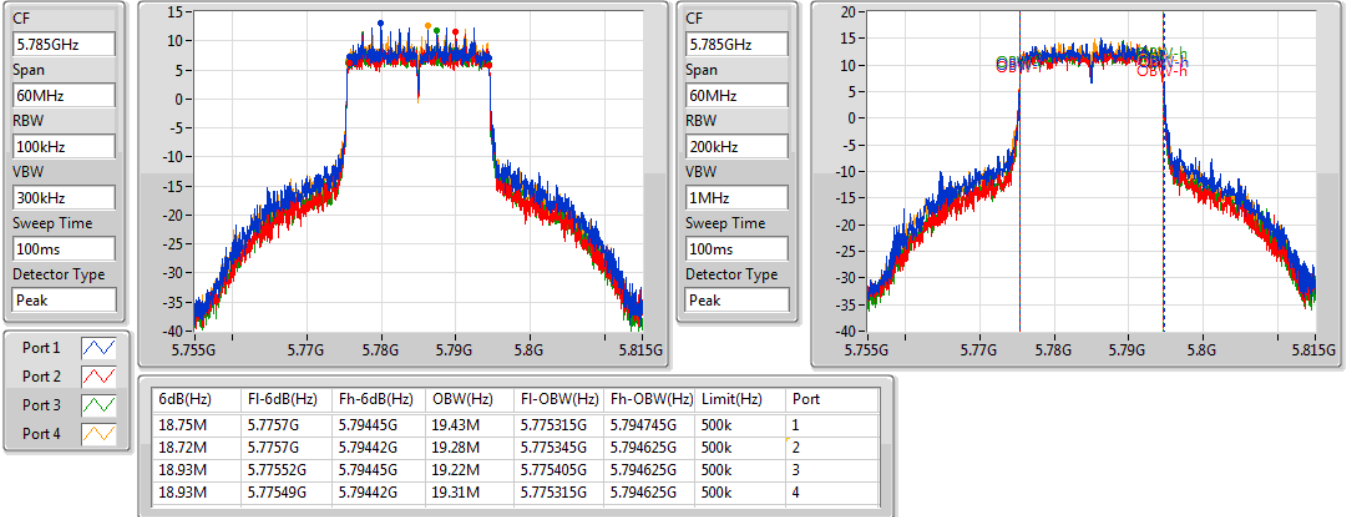

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5745MHz

02/01/2020

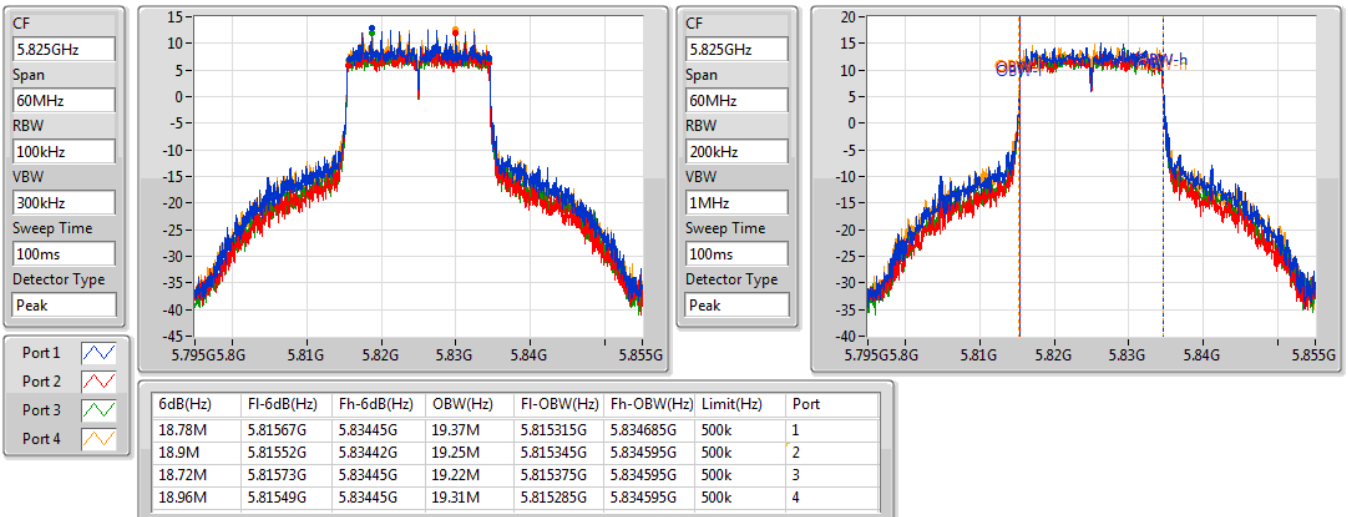


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5785MHz

02/01/2020

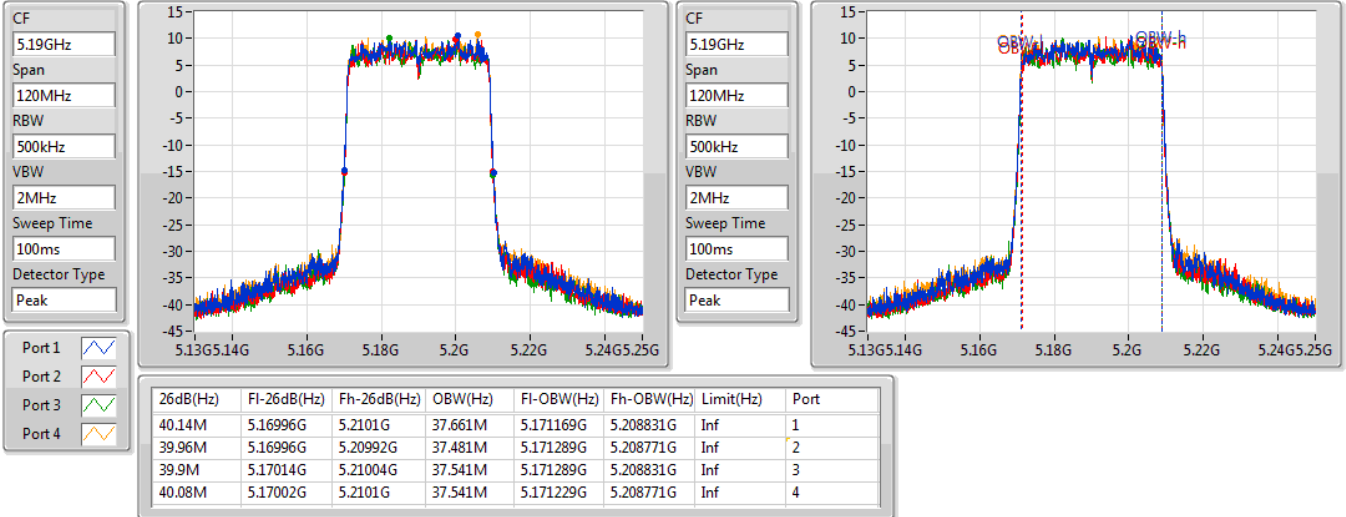

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5825MHz

02/01/2020

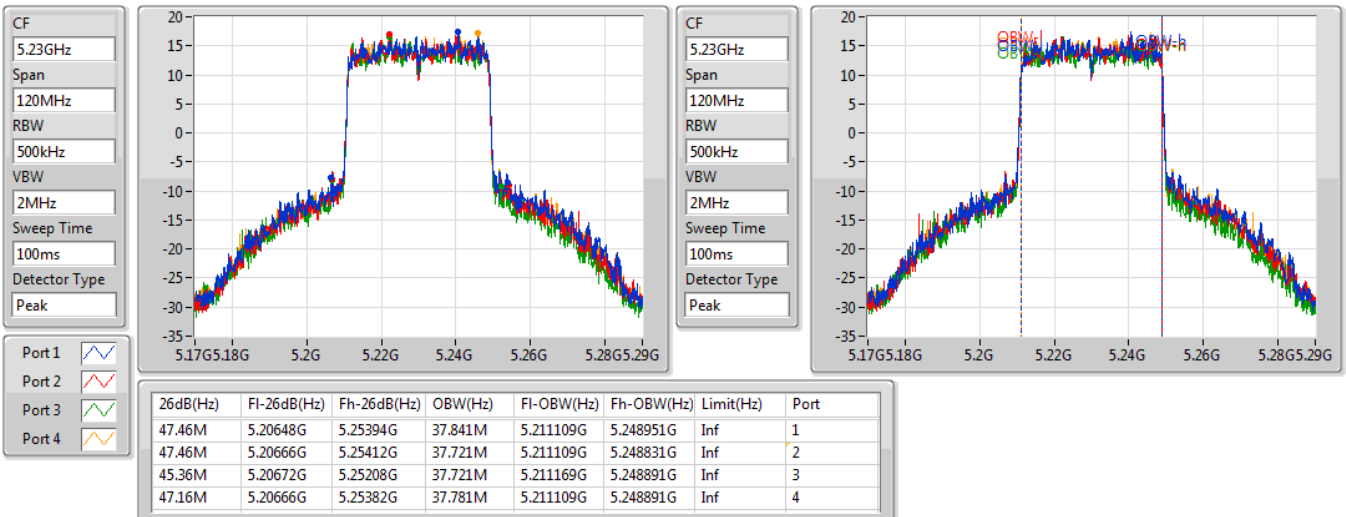


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5190MHz

02/01/2020

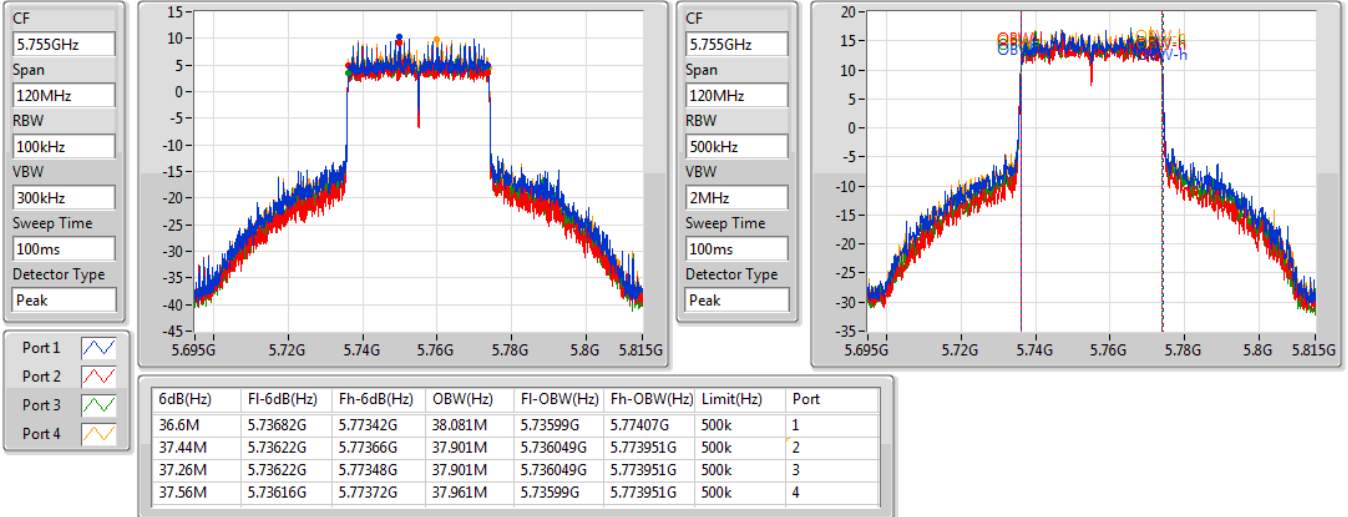

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5230MHz

02/01/2020

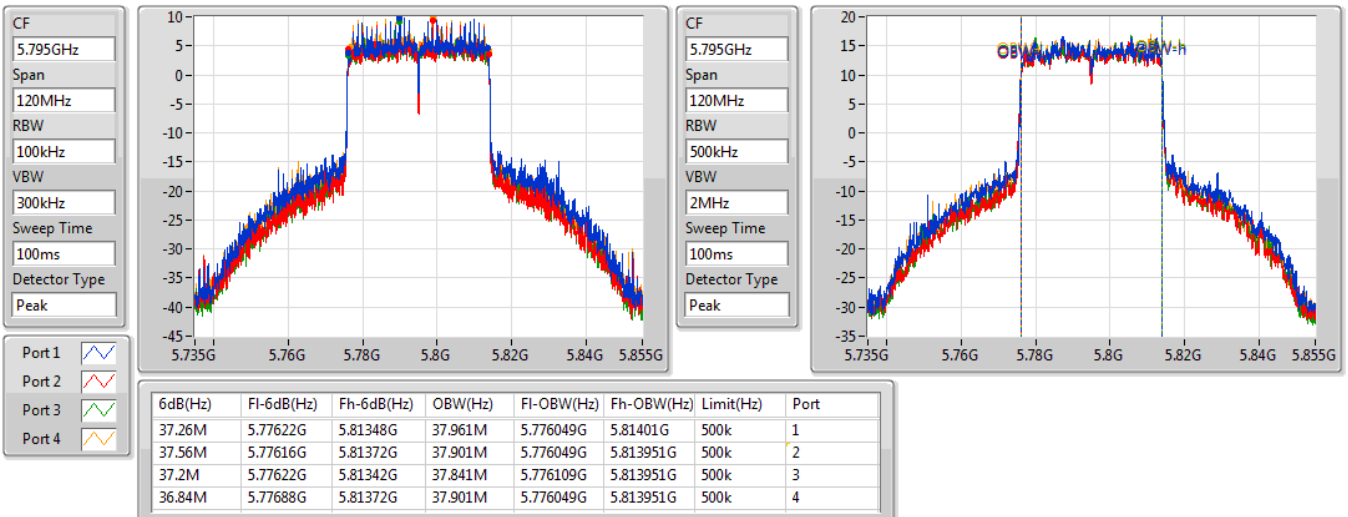


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5755MHz

02/01/2020

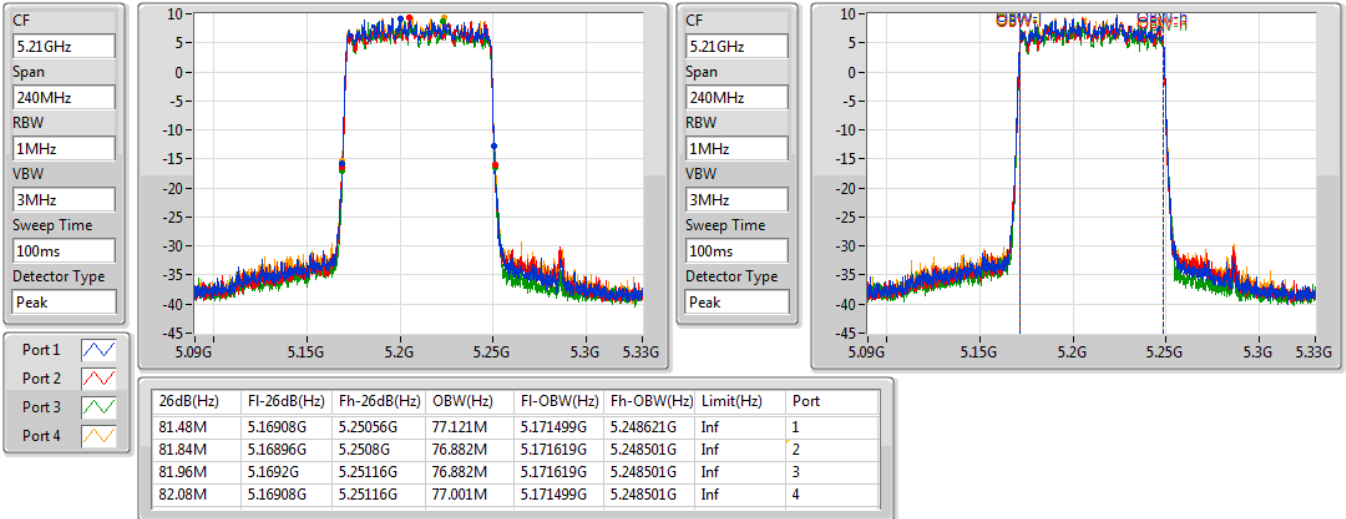

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5795MHz

02/01/2020

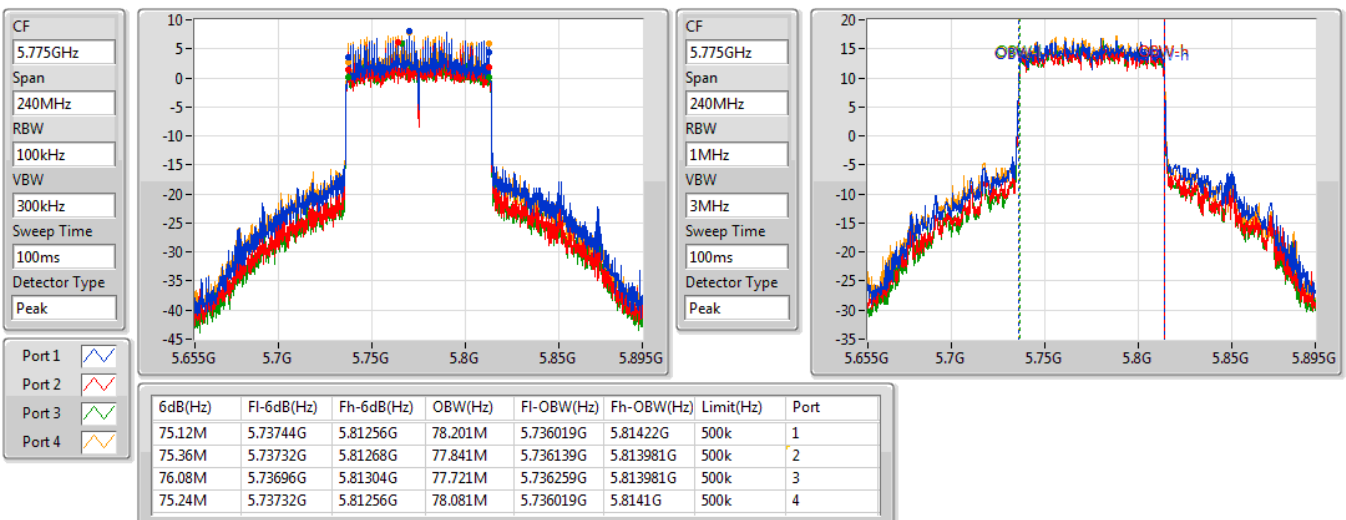


802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5210MHz

02/01/2020

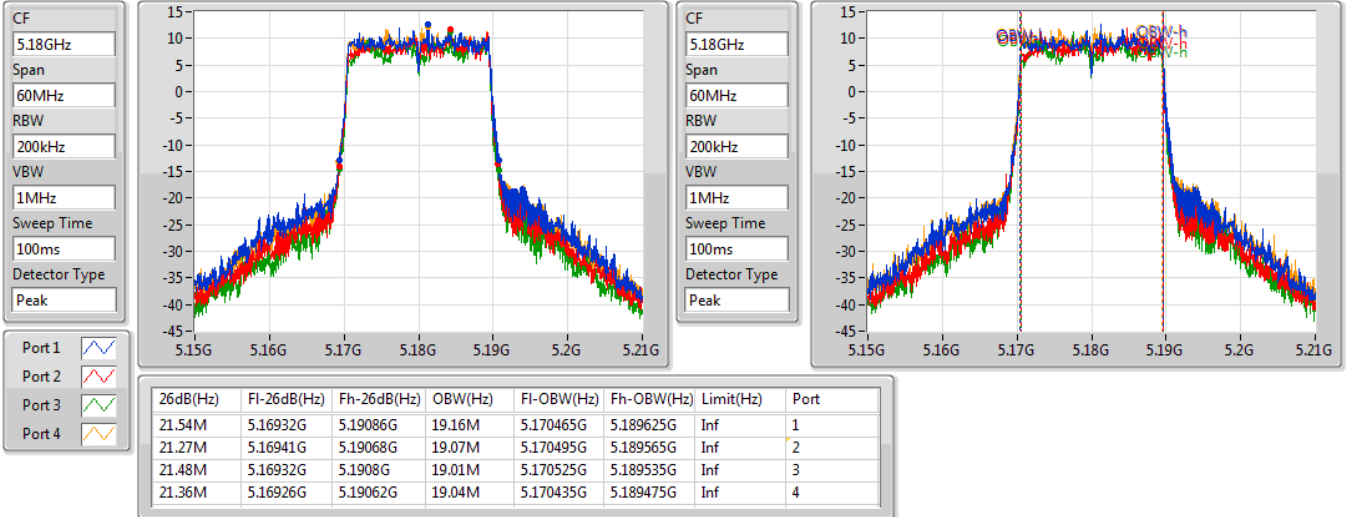

802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5775MHz

02/01/2020

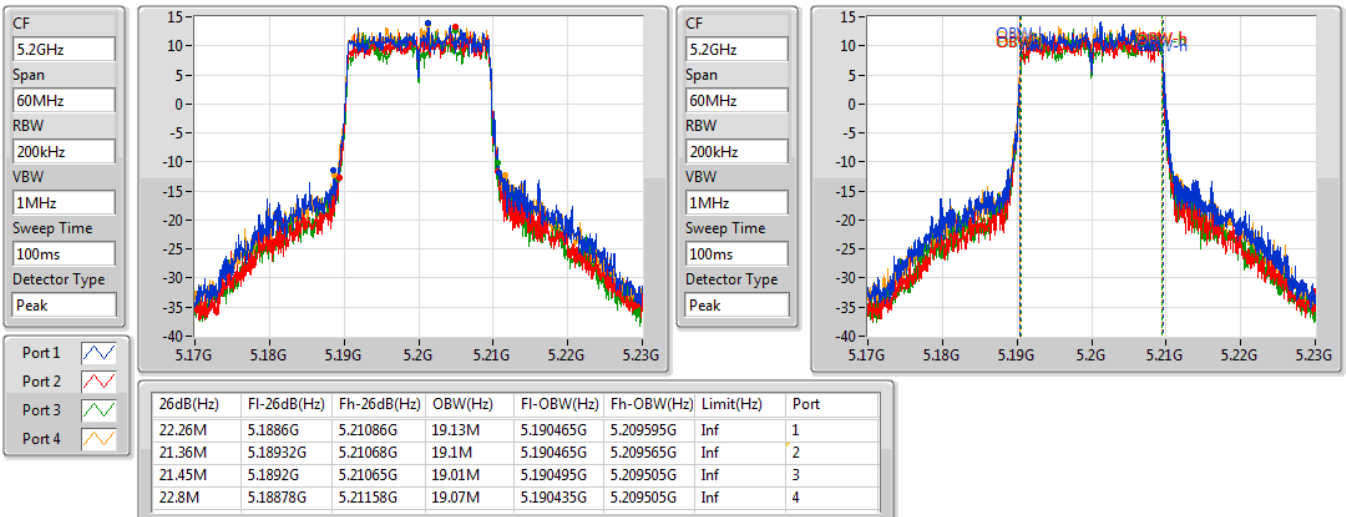


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5180MHz

02/01/2020

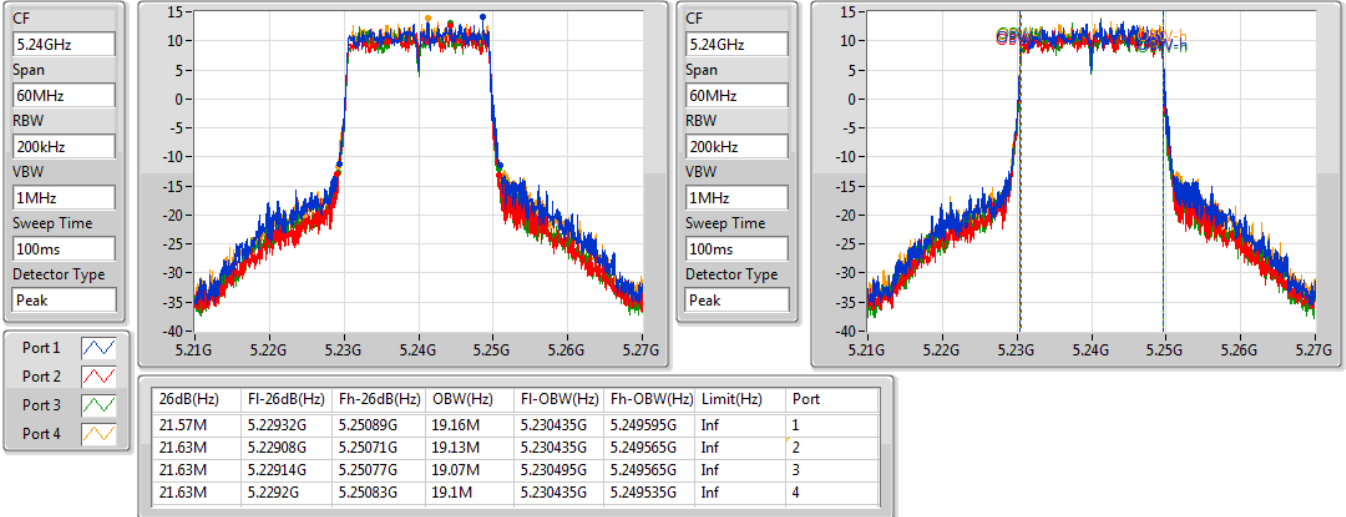

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5200MHz

02/01/2020

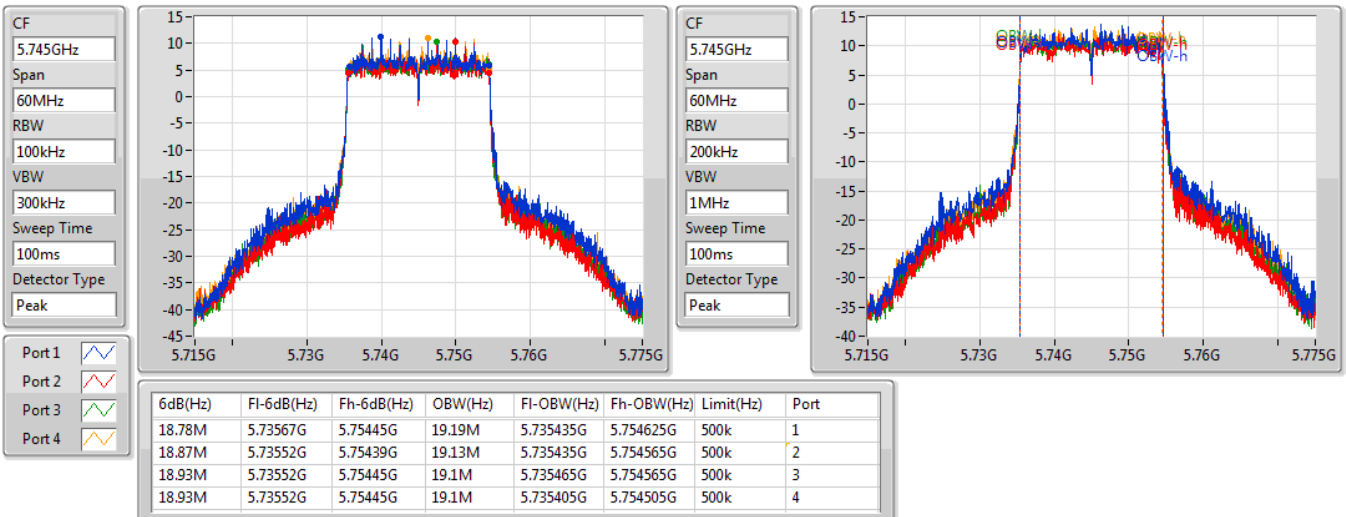


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5240MHz

02/01/2020

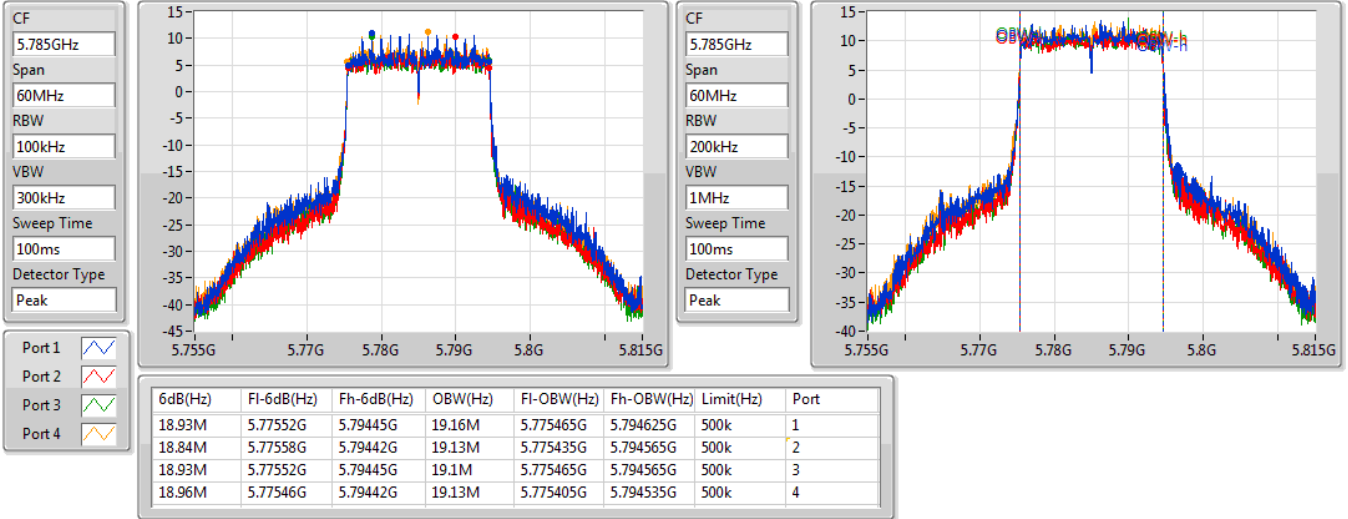

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5745MHz

02/01/2020

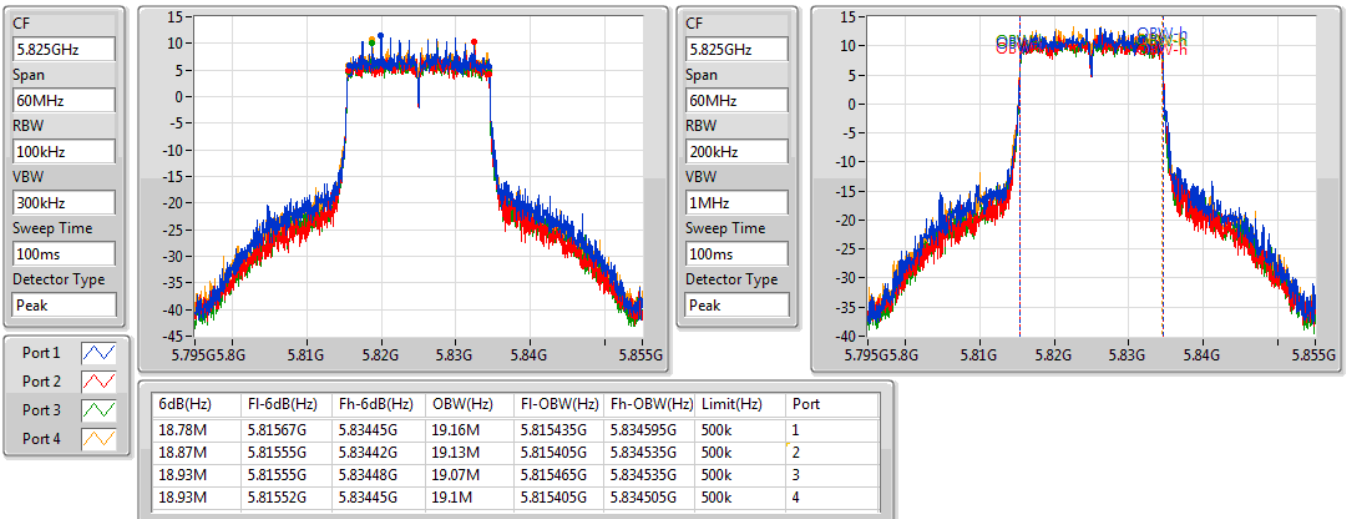


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5785MHz

02/01/2020

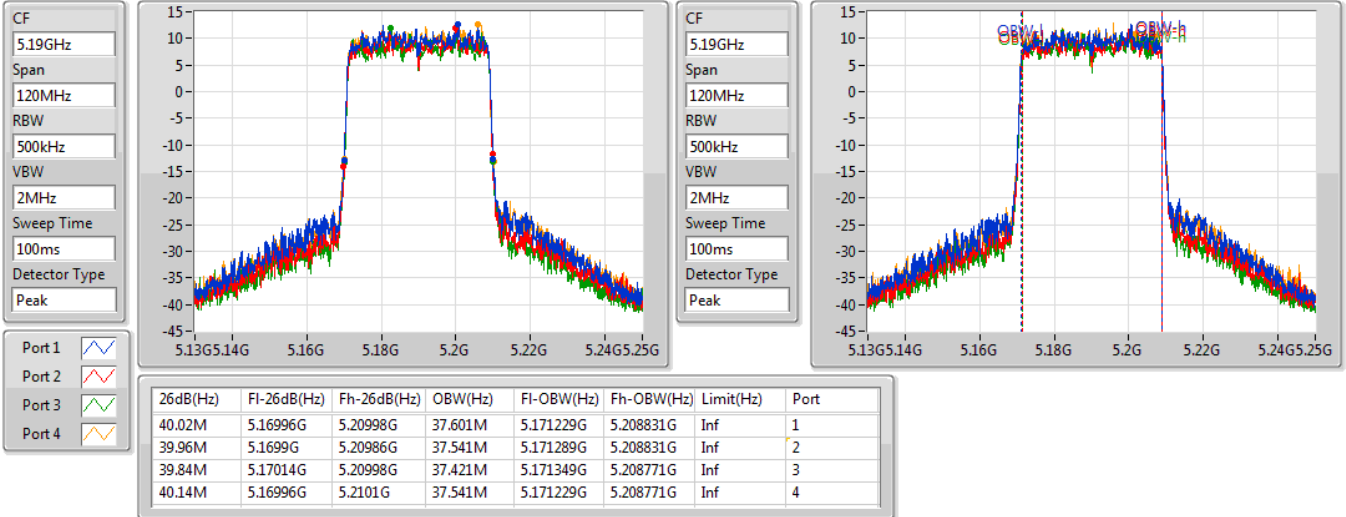

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5825MHz

02/01/2020

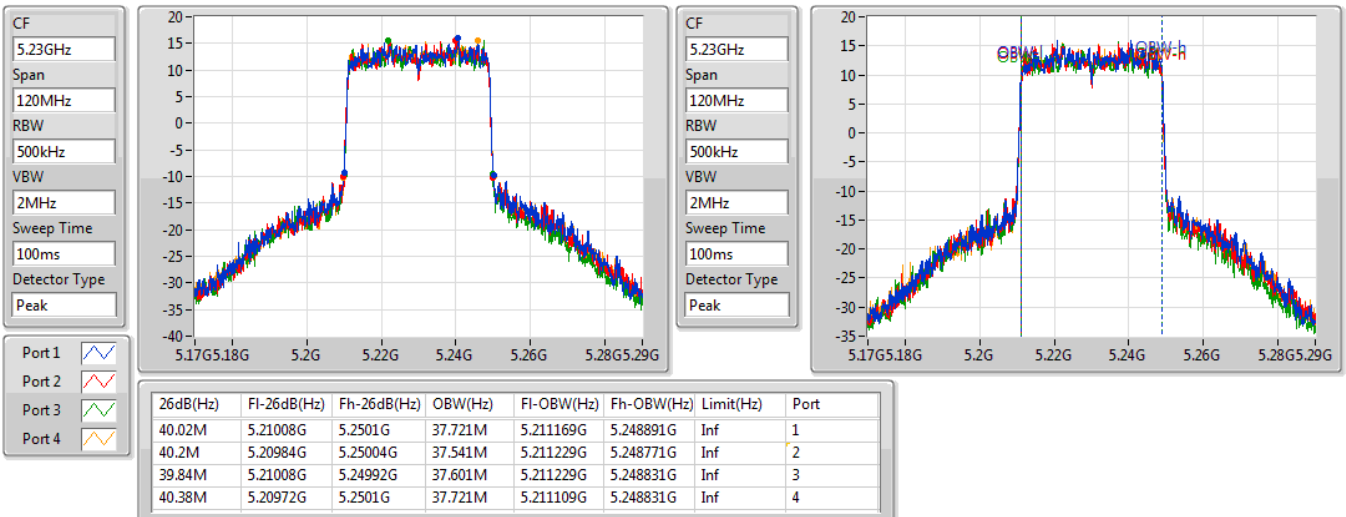


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5190MHz

02/01/2020

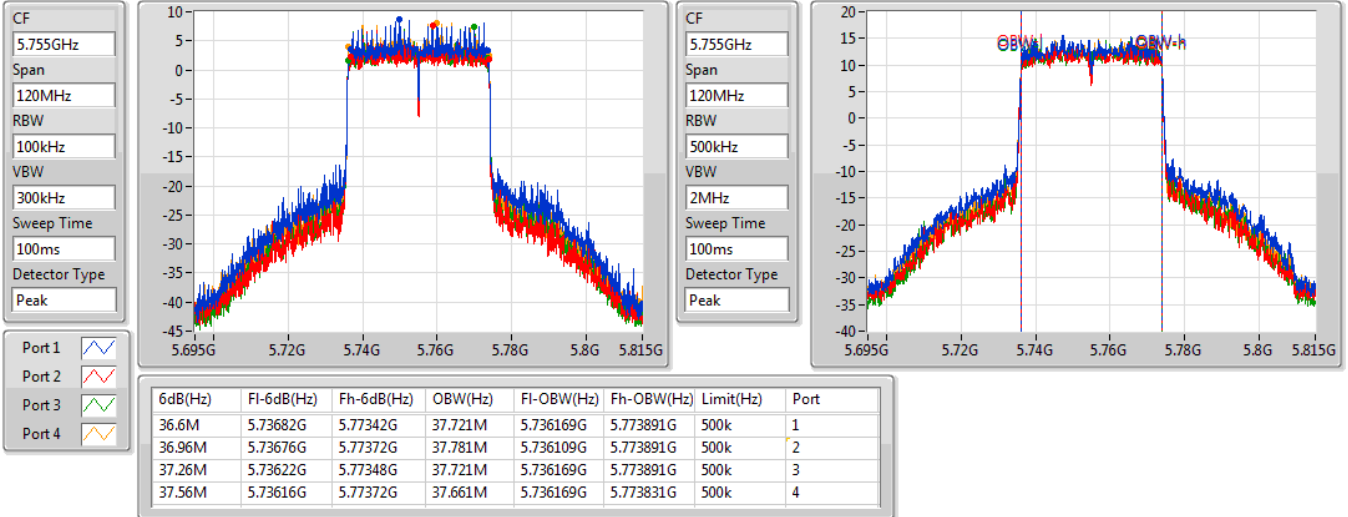

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5230MHz

02/01/2020

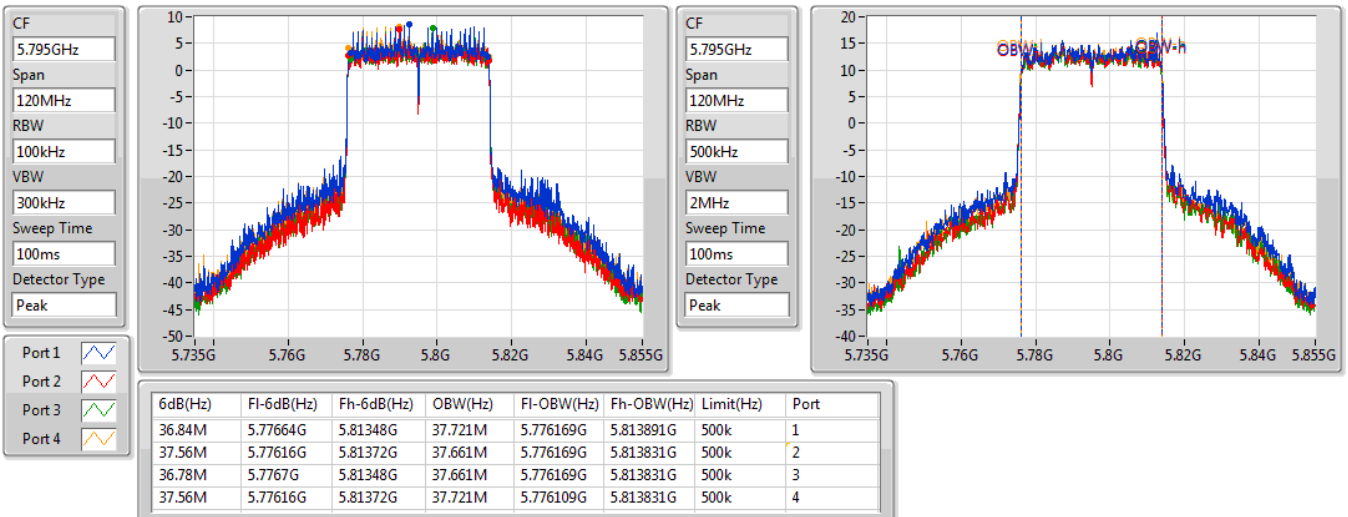


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5755MHz

02/01/2020

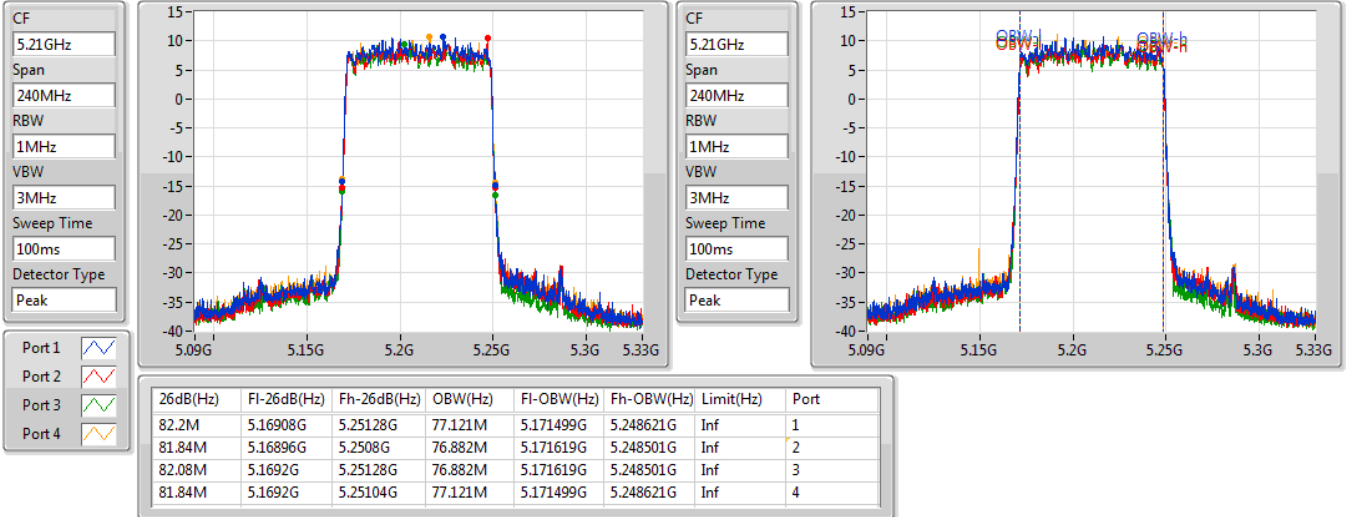

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5795MHz

02/01/2020

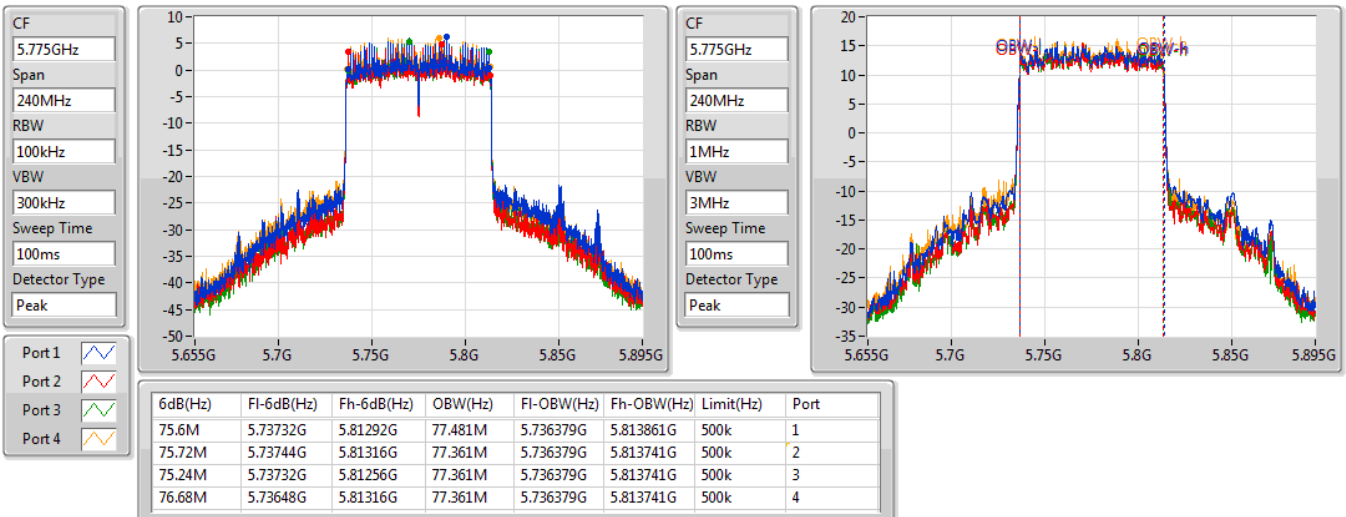


802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5210MHz

02/01/2020


802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5775MHz

02/01/2020



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	28.41	0.69343	33.39	2.18273
802.11ac VHT20_Nss1,(MCS0)_4TX	28.94	0.78343	33.92	2.46604
802.11ac VHT40_Nss1,(MCS0)_4TX	29.80	0.95499	34.78	3.00608
802.11ac VHT80_Nss1,(MCS0)_4TX	22.38	0.17298	27.36	0.54450
802.11ax HEW20_Nss1,(MCS0)_4TX	29.04	0.80168	34.02	2.52348
802.11ax HEW40_Nss1,(MCS0)_4TX	29.87	0.97051	34.85	3.05492
802.11ax HEW80_Nss1,(MCS0)_4TX	22.49	0.17742	27.47	0.55847
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	28.54	0.71450	35.90	3.89045
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	28.55	0.71614	35.91	3.89942
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	23.22	0.20989	30.58	1.14288
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	28.60	0.72444	35.96	3.94457
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	28.61	0.72611	35.97	3.95367
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	23.30	0.21380	30.66	1.16413
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	29.87	0.97051	34.85	3.05492
802.11ac VHT20_Nss1,(MCS0)_4TX	29.95	0.98855	34.93	3.11172
802.11ac VHT40_Nss1,(MCS0)_4TX	29.90	0.97724	34.88	3.07610
802.11ac VHT80_Nss1,(MCS0)_4TX	29.85	0.96605	34.83	3.04089
802.11ax HEW20_Nss1,(MCS0)_4TX	29.99	0.99770	34.97	3.14051
802.11ax HEW40_Nss1,(MCS0)_4TX	29.94	0.98628	34.92	3.10456
802.11ax HEW80_Nss1,(MCS0)_4TX	29.92	0.98175	34.90	3.09030
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	28.40	0.69183	35.78	3.78443
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	28.49	0.70632	35.87	3.86367
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	28.58	0.72111	35.96	3.94457
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	28.47	0.70307	35.85	3.84592
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	28.54	0.71450	35.92	3.90841
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	28.61	0.72611	35.99	3.97192

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.98	20.77	20.04	19.7	21.05	26.44	30.00	31.42	36.00
5200MHz	Pass	4.98	22.89	22.02	21.87	22.7	28.41	30.00	33.39	36.00
5240MHz	Pass	4.98	22.86	22.07	21.72	22.75	28.40	30.00	33.38	36.00
5745MHz	Pass	4.98	24.09	23.05	23.33	24.14	29.70	30.00	34.68	36.00
5785MHz	Pass	4.98	24.02	23.03	23.47	24.14	29.71	30.00	34.69	36.00
5825MHz	Pass	4.98	24.2	23.27	23.53	24.32	29.87	30.00	34.85	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.98	20.49	19.31	19.42	20.31	25.93	30.00	30.91	36.00
5200MHz	Pass	4.98	23.51	22.6	22.14	22.41	28.72	30.00	33.70	36.00
5240MHz	Pass	4.98	23.44	22.41	22.3	23.38	28.94	30.00	33.92	36.00
5745MHz	Pass	4.98	24.17	23.4	23.58	24.49	29.95	30.00	34.93	36.00
5785MHz	Pass	4.98	24.08	23.1	22.31	24.22	29.52	30.00	34.50	36.00
5825MHz	Pass	4.98	24.11	23.3	23.28	24.18	29.76	30.00	34.74	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	4.98	17.62	17.01	16.78	17.89	23.37	30.00	28.35	36.00
5230MHz	Pass	4.98	23.71	23.78	23.36	24.21	29.80	30.00	34.78	36.00
5755MHz	Pass	4.98	24.1	23.33	23.58	24.39	29.89	30.00	34.87	36.00
5795MHz	Pass	4.98	24.12	23.48	23.59	24.29	29.90	30.00	34.88	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	4.98	16.54	16.22	15.85	16.77	22.38	30.00	27.36	36.00
5775MHz	Pass	4.98	24.13	23.46	23.16	24.44	29.85	30.00	34.83	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.98	20.55	19.36	19.45	20.37	25.99	30.00	30.97	36.00
5200MHz	Pass	4.98	23.57	22.61	22.23	23.53	29.04	30.00	34.02	36.00
5240MHz	Pass	4.98	23.51	22.57	22.33	23.45	29.02	30.00	34.00	36.00
5745MHz	Pass	4.98	24.18	23.44	23.62	24.53	29.99	30.00	34.97	36.00
5785MHz	Pass	4.98	24.13	23.13	23.37	24.3	29.78	30.00	34.76	36.00
5825MHz	Pass	4.98	24.2	23.34	23.39	24.21	29.83	30.00	34.81	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	4.98	17.78	17.02	16.89	17.93	23.45	30.00	28.43	36.00
5230MHz	Pass	4.98	23.89	23.79	23.43	24.26	29.87	30.00	34.85	36.00
5755MHz	Pass	4.98	24.14	23.41	23.62	24.42	29.94	30.00	34.92	36.00
5795MHz	Pass	4.98	24.14	23.52	23.61	24.33	29.93	30.00	34.91	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	4.98	16.67	16.38	15.98	16.81	22.49	30.00	27.47	36.00
5775MHz	Pass	4.98	24.2	23.47	23.22	24.56	29.92	30.00	34.90	36.00
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	7.36	21.02	20.16	19.88	21.42	26.69	28.64	34.05	36.00
5200MHz	Pass	7.36	22.86	22.06	22.01	23.06	28.54	28.64	35.90	36.00
5240MHz	Pass	7.36	22.91	22.05	21.89	22.86	28.47	28.64	35.83	36.00
5745MHz	Pass	7.39	22.69	21.89	21.98	22.87	28.40	28.61	35.78	36.00
5785MHz	Pass	7.39	22.59	21.96	22.1	22.74	28.38	28.61	35.76	36.00
5825MHz	Pass	7.39	22.81	21.89	21.91	22.79	28.39	28.61	35.77	36.00



Average Power

Appendix C

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	7.36	19.54	18.93	18.41	19.44	25.12	28.64	32.48	36.00
5230MHz	Pass	7.36	22.68	22.39	22.14	22.89	28.55	28.64	35.91	36.00
5755MHz	Pass	7.39	22.69	21.81	22.12	22.98	28.44	28.61	35.82	36.00
5795MHz	Pass	7.39	22.78	22.19	22.05	22.79	28.49	28.61	35.87	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	7.36	17.59	17.01	16.71	17.44	23.22	28.64	30.58	36.00
5775MHz	Pass	7.39	22.8	22.09	22.01	23.21	28.58	28.61	35.96	36.00
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	7.36	21.1	20.26	19.9	21.5	26.76	28.64	34.12	36.00
5200MHz	Pass	7.36	22.95	22.13	22.08	23.07	28.60	28.64	35.96	36.00
5240MHz	Pass	7.36	22.99	22.06	21.93	22.94	28.53	28.64	35.89	36.00
5745MHz	Pass	7.39	22.78	21.98	22	22.96	28.47	28.61	35.85	36.00
5785MHz	Pass	7.39	22.61	22	22.17	22.85	28.44	28.61	35.82	36.00
5825MHz	Pass	7.39	22.85	22	21.95	22.81	28.44	28.61	35.82	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	7.36	19.57	18.94	18.48	19.54	25.18	28.64	32.54	36.00
5230MHz	Pass	7.36	22.71	22.46	22.21	22.93	28.61	28.64	35.97	36.00
5755MHz	Pass	7.39	22.76	21.89	22.18	23.01	28.50	28.61	35.88	36.00
5795MHz	Pass	7.39	22.82	22.22	22.16	22.83	28.54	28.61	35.92	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	7.36	17.67	17.09	16.79	17.51	23.30	28.64	30.66	36.00
5775MHz	Pass	7.39	22.82	22.14	22.02	23.23	28.60	28.61	35.99	36.00

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	15.56
802.11ax HEW20_Nss1,(MCS0)_4TX	15.57
802.11ax HEW40_Nss1,(MCS0)_4TX	13.79
802.11ax HEW80_Nss1,(MCS0)_4TX	3.57
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	15.11
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	12.26
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	4.29
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	15.28
802.11ax HEW20_Nss1,(MCS0)_4TX	14.75
802.11ax HEW40_Nss1,(MCS0)_4TX	12.08
802.11ax HEW80_Nss1,(MCS0)_4TX	9.46
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	13.45
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	10.43
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	8.16

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)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.36	7.94	7.87	7.31	8.56	13.64	15.64
5200MHz	Pass	7.36	9.95	10.02	9.04	10.49	15.56	15.64
5240MHz	Pass	7.36	10.14	9.62	9.24	10.06	15.52	15.64
5745MHz	Pass	7.39	9.85	8.46	8.89	9.82	15.13	28.61
5785MHz	Pass	7.39	9.71	8.69	9.00	9.79	15.15	28.61
5825MHz	Pass	7.39	10.12	8.75	9.13	9.91	15.28	28.61
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.36	7.35	6.63	6.84	7.48	12.66	15.64
5200MHz	Pass	7.36	10.35	9.48	9.55	10.38	15.57	15.64
5240MHz	Pass	7.36	10.38	9.23	9.29	10.17	15.51	15.64
5745MHz	Pass	7.39	9.39	8.43	8.50	9.36	14.75	28.61
5785MHz	Pass	7.39	9.31	8.38	8.47	9.20	14.62	28.61
5825MHz	Pass	7.39	9.40	8.58	8.43	9.27	14.71	28.61
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.36	1.81	1.29	1.27	2.14	7.14	15.64
5230MHz	Pass	7.36	8.39	7.99	7.93	8.53	13.79	15.64
5755MHz	Pass	7.39	6.55	5.93	5.90	6.75	12.08	28.61
5795MHz	Pass	7.39	6.69	5.90	5.78	6.54	11.98	28.61
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.36	-2.11	-2.17	-2.25	-1.59	3.57	15.64
5775MHz	Pass	7.39	4.08	3.27	2.88	4.14	9.46	28.61
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.36	7.90	7.62	7.33	8.40	13.43	15.64
5200MHz	Pass	7.36	9.82	8.88	9.32	9.97	15.11	15.64
5240MHz	Pass	7.36	9.87	8.73	9.02	9.65	15.05	15.64
5745MHz	Pass	7.39	8.02	7.08	7.34	7.86	13.41	28.61
5785MHz	Pass	7.39	8.08	7.26	7.11	8.01	13.40	28.61
5825MHz	Pass	7.39	8.21	7.44	7.19	7.84	13.45	28.61
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.36	3.47	3.16	3.07	3.78	8.95	15.64
5230MHz	Pass	7.36	6.86	6.55	6.37	6.99	12.26	15.64
5755MHz	Pass	7.39	5.17	4.11	4.36	4.92	10.43	28.61
5795MHz	Pass	7.39	5.04	4.29	4.19	4.87	10.41	28.61
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.36	-1.13	-1.63	-1.56	-0.95	4.29	15.64
5775MHz	Pass	7.39	2.50	1.89	1.86	2.69	8.16	28.61

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

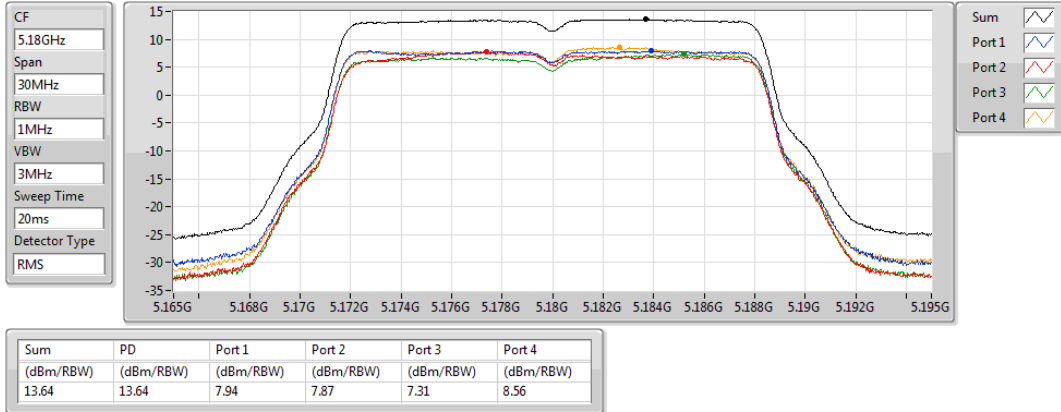
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_4TX

5180MHz

PSD

02/01/2020

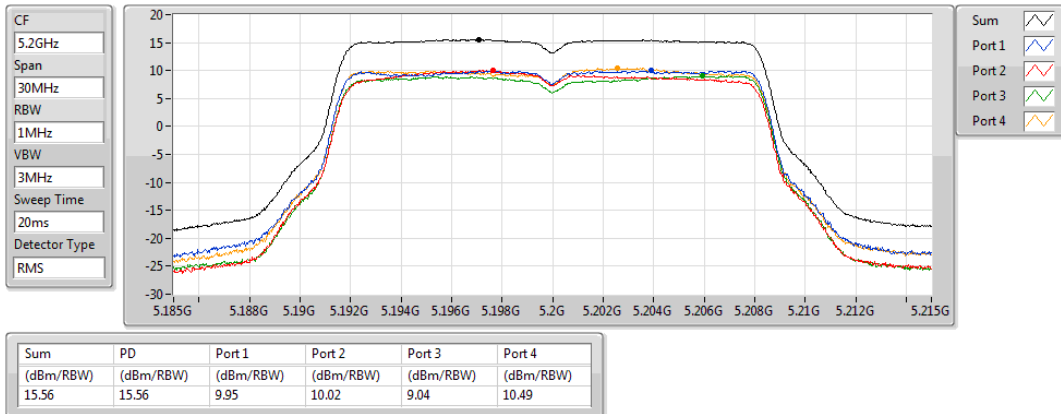


802.11a_Nss1,(6Mbps)_4TX

5200MHz

PSD

02/01/2020

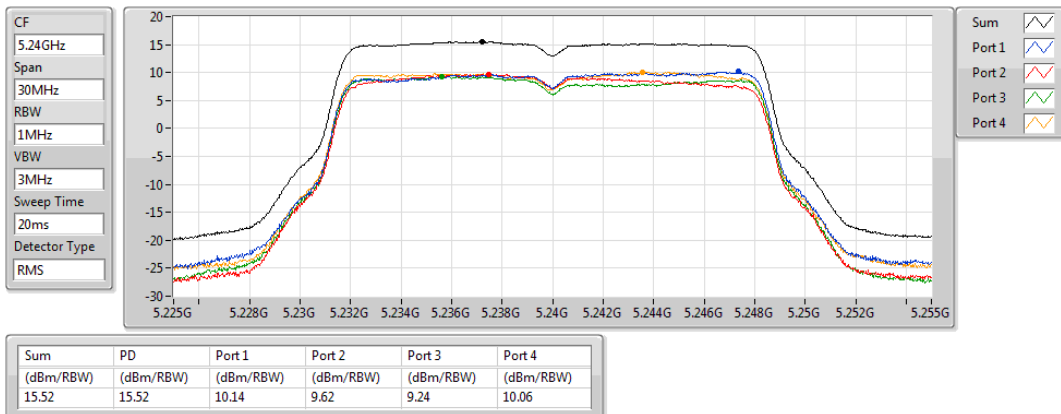


802.11a_Nss1,(6Mbps)_4TX

5240MHz

PSD

02/01/2020

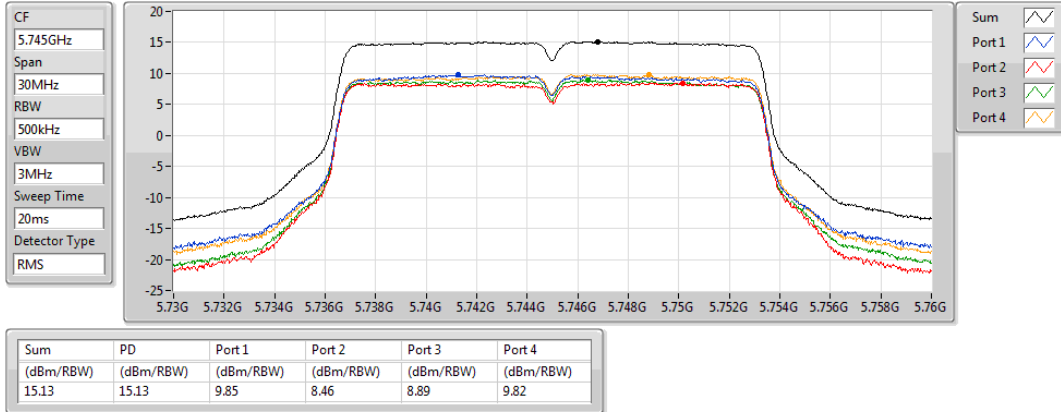


802.11a_Nss1,(6Mbps)_4TX

PSD

5745MHz

02/01/2020

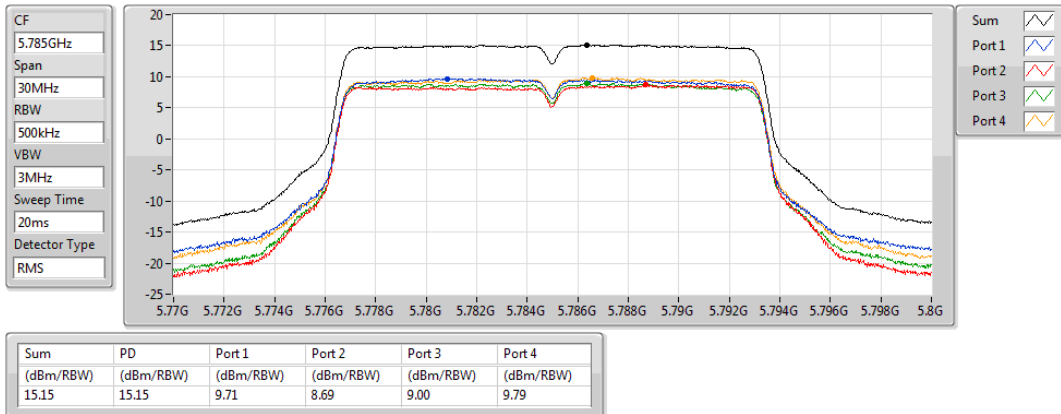


802.11a_Nss1,(6Mbps)_4TX

PSD

5785MHz

02/01/2020

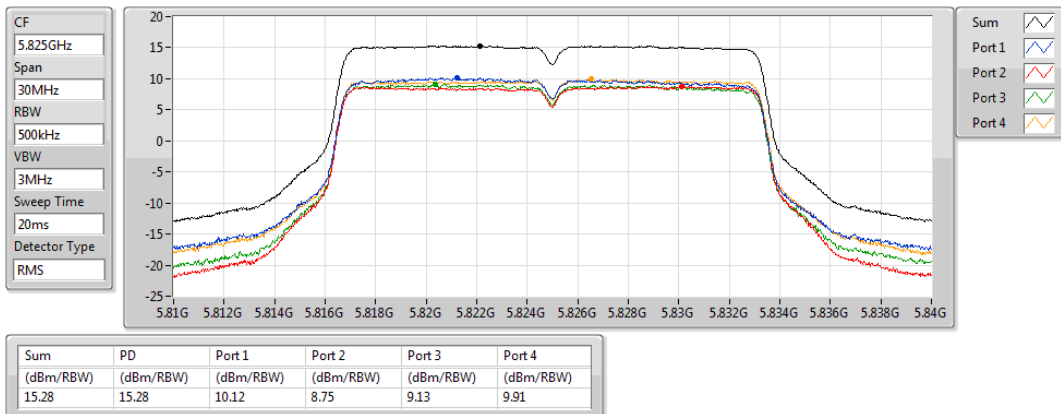


802.11a_Nss1,(6Mbps)_4TX

PSD

5825MHz

02/01/2020

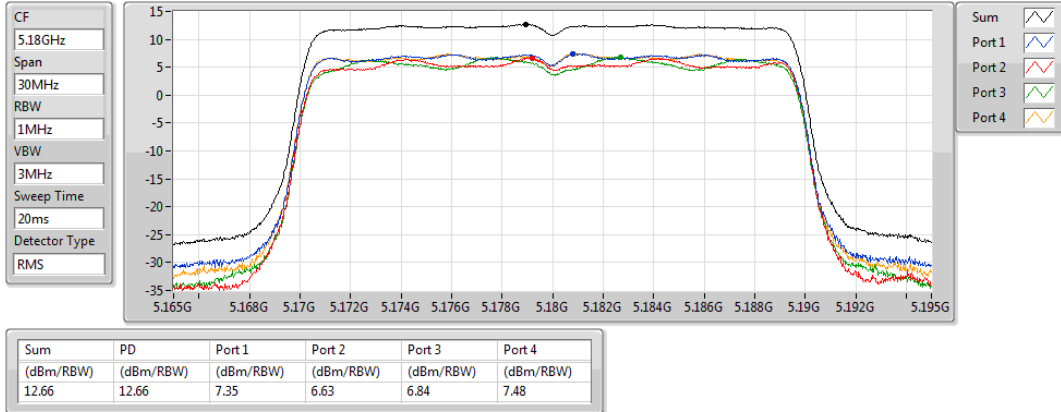


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

02/01/2020

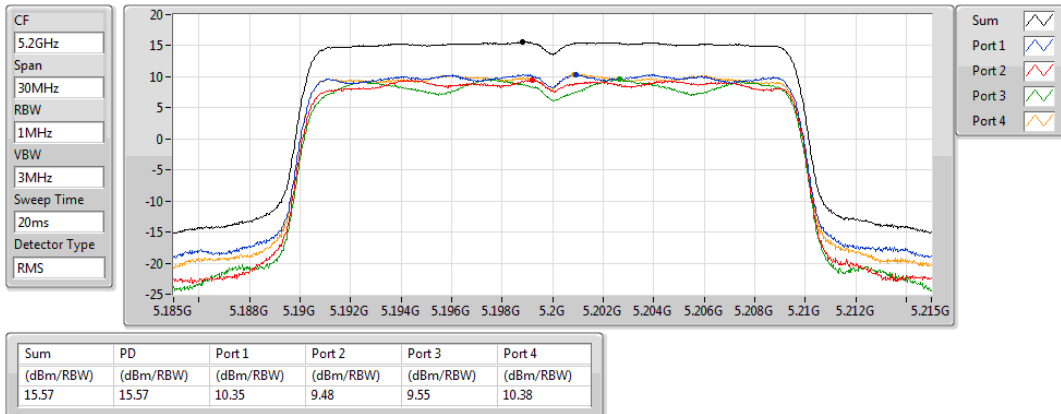


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

02/01/2020

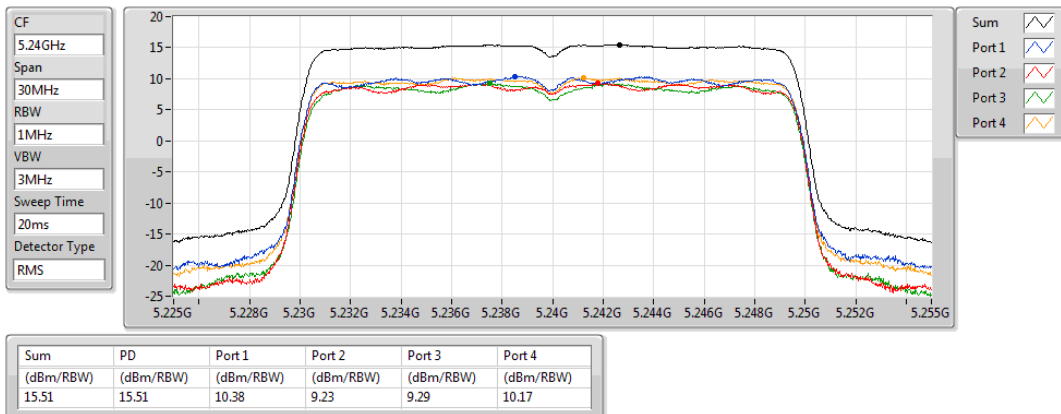


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

02/01/2020

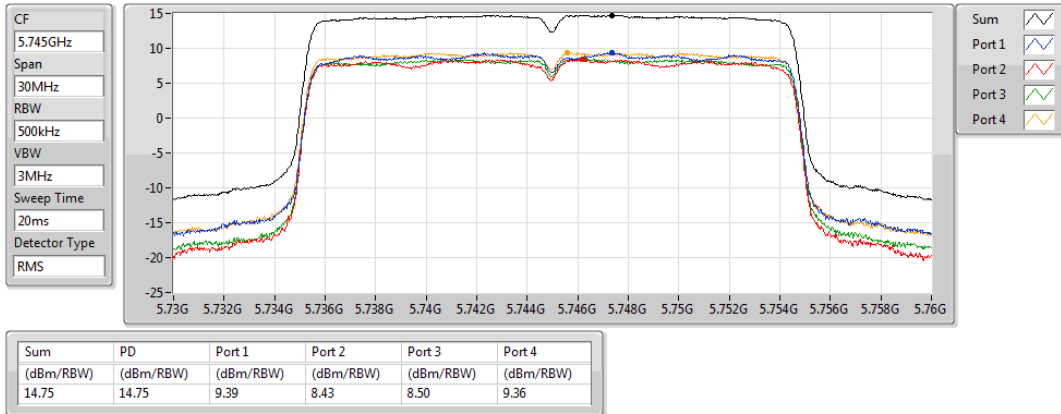


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5745MHz

02/01/2020

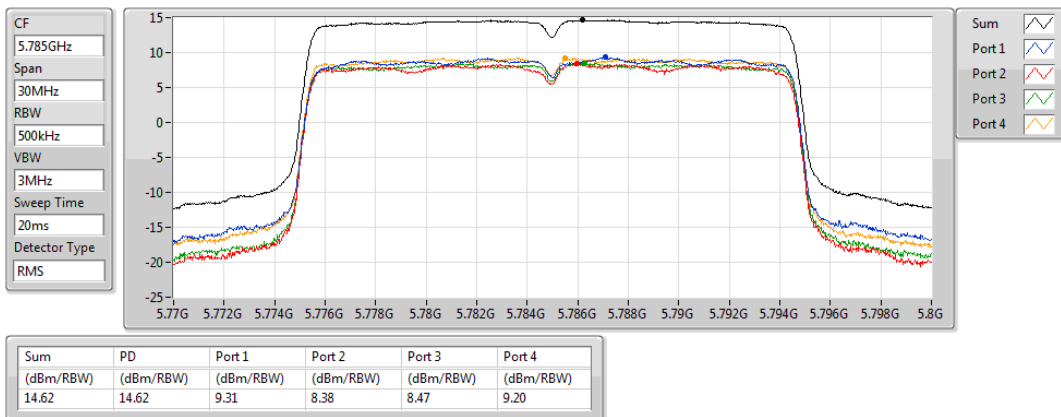


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5785MHz

02/01/2020

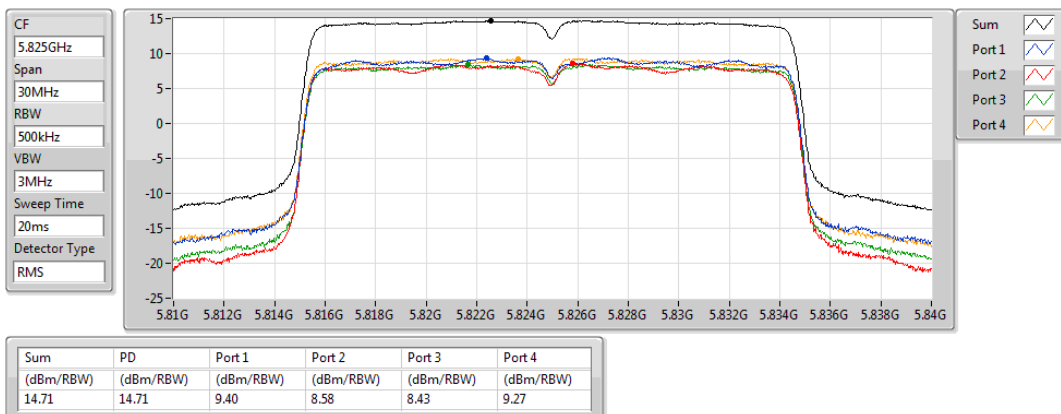


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5825MHz

02/01/2020

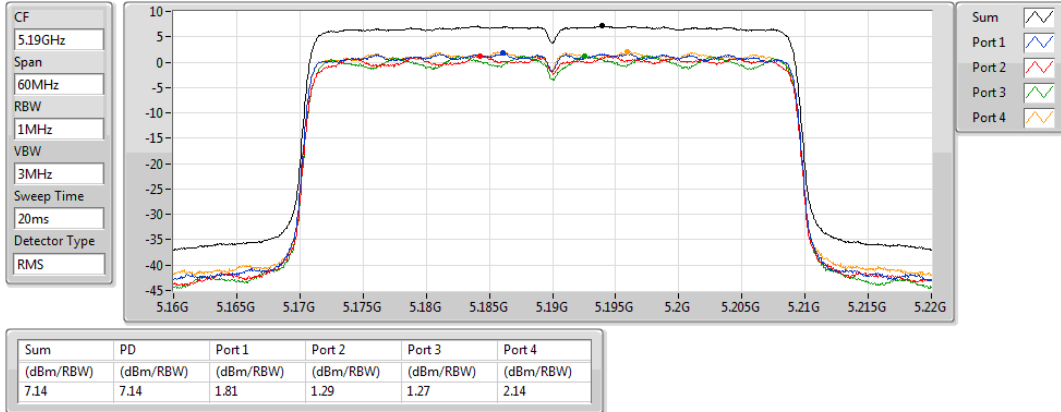


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

02/01/2020

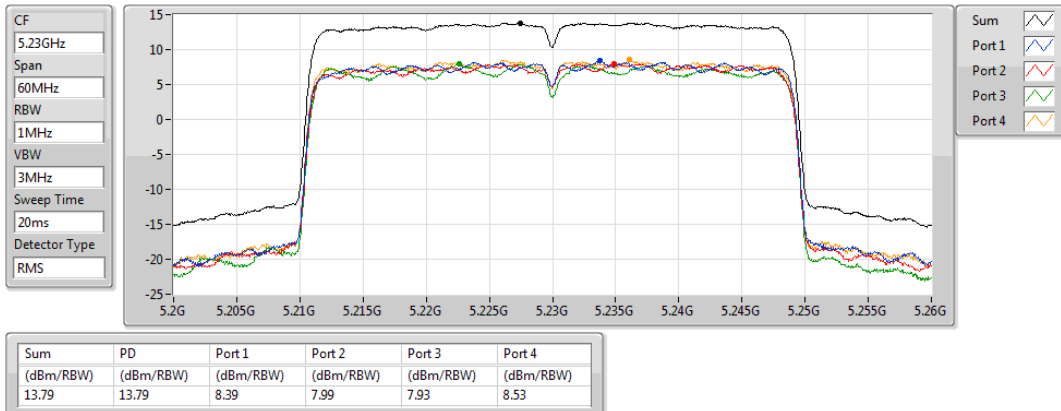


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

02/01/2020

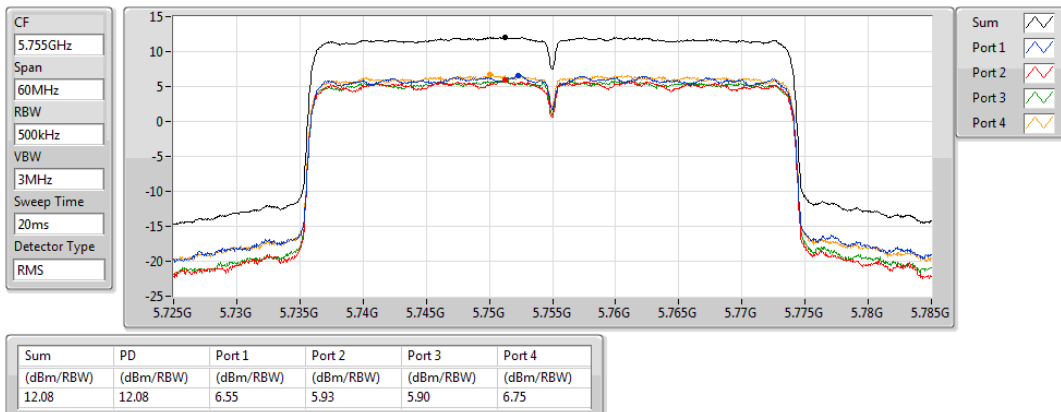


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5755MHz

02/01/2020

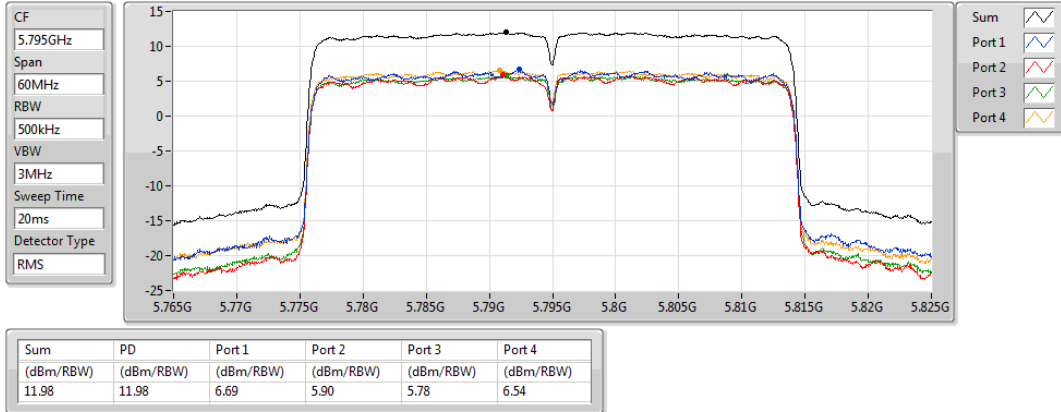


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5795MHz

02/01/2020

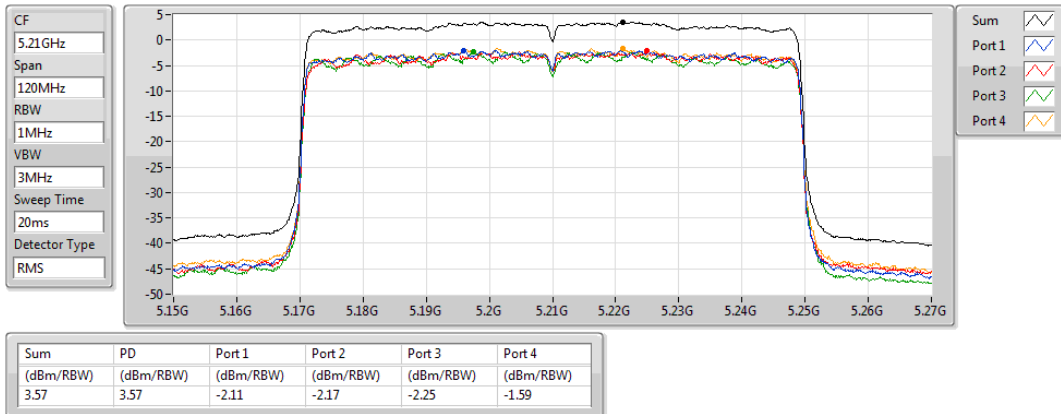


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

02/01/2020

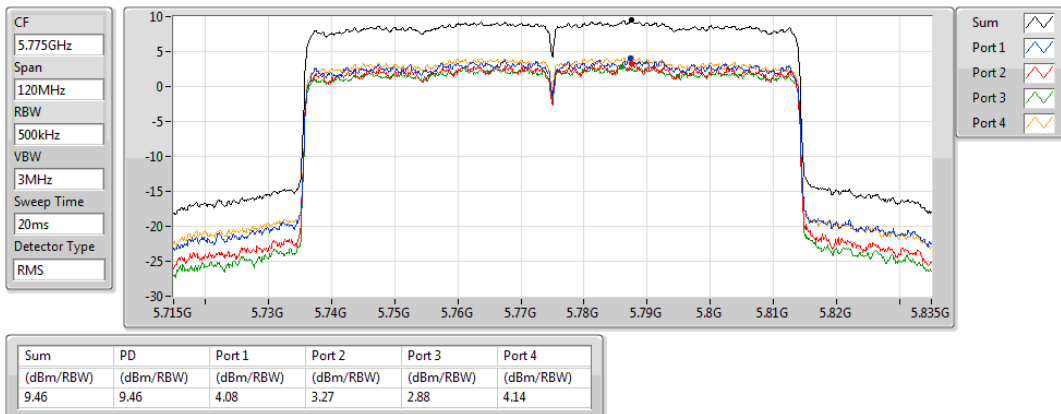


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5775MHz

02/01/2020

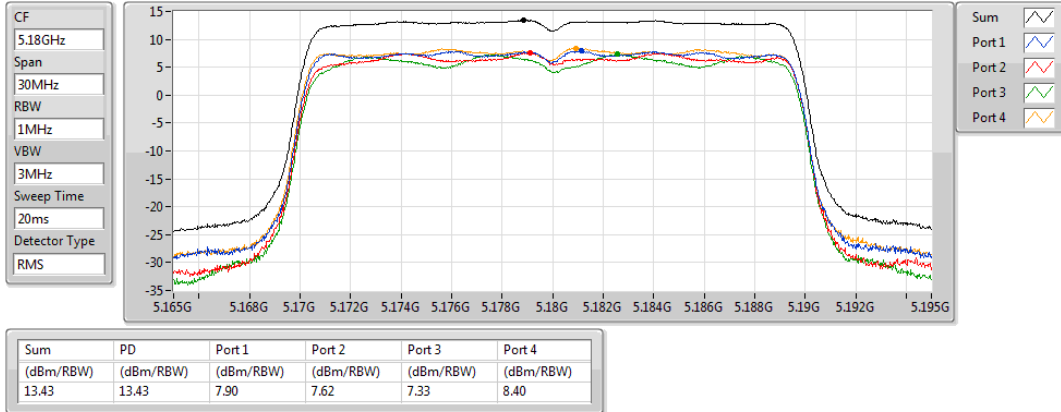


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

02/01/2020

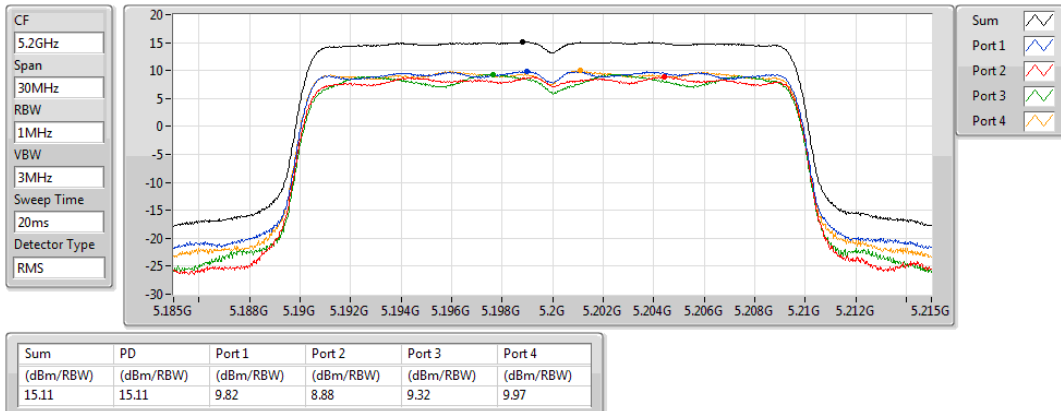


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

02/01/2020

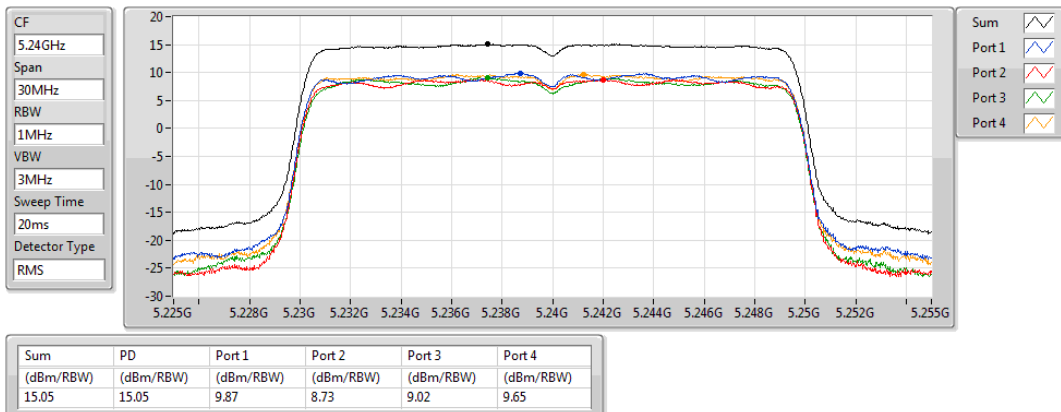


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

02/01/2020

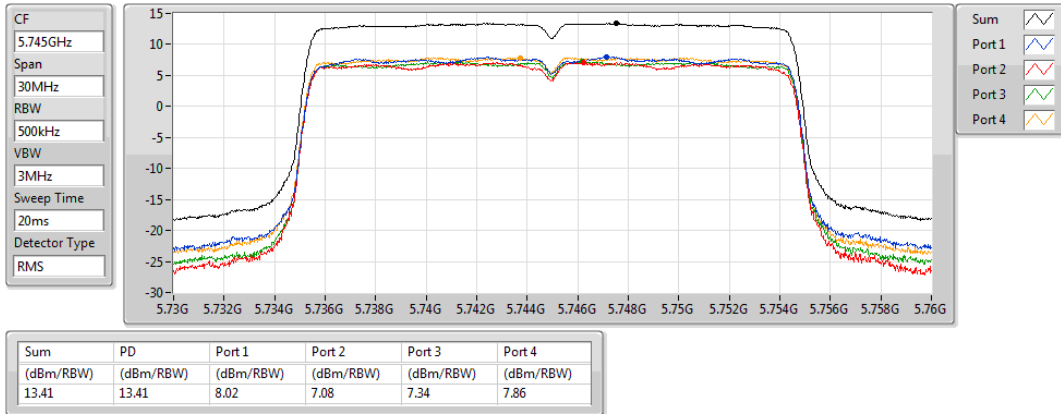


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5745MHz

02/01/2020

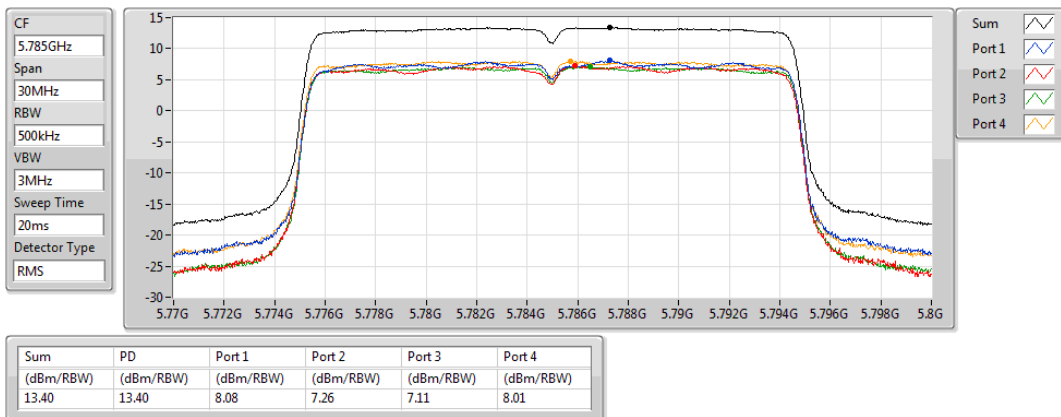


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5785MHz

02/01/2020

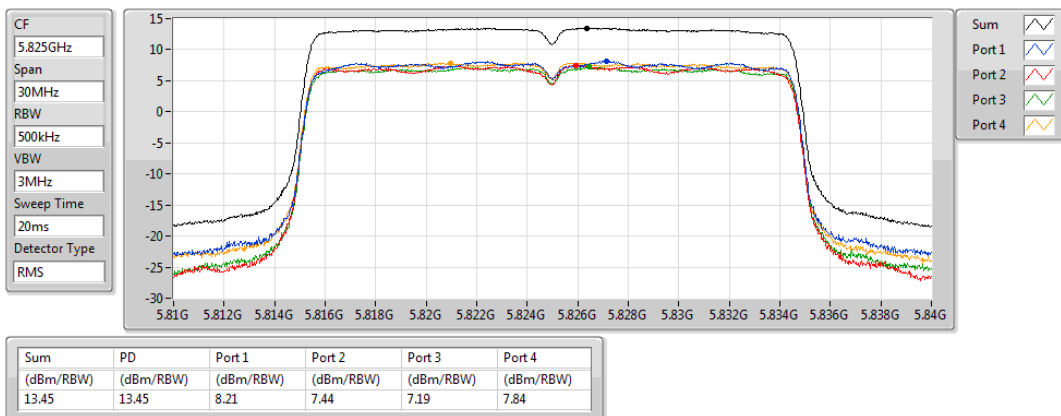


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5825MHz

02/01/2020

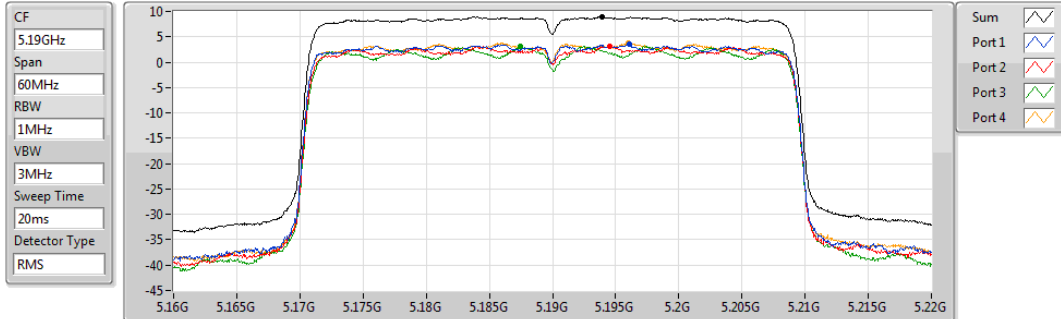


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

02/01/2020



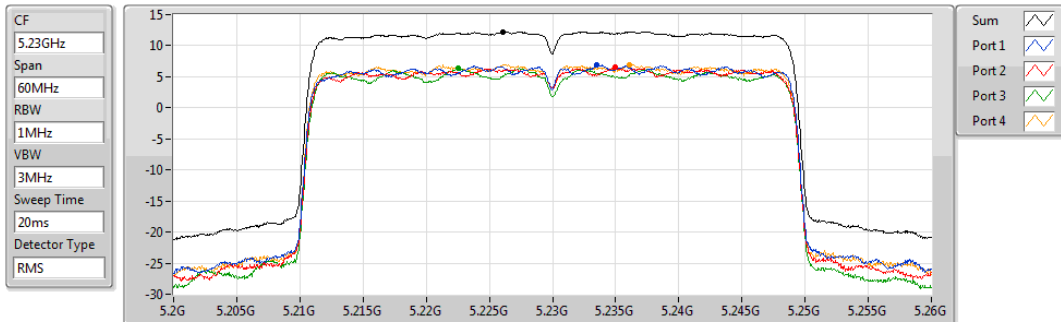
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.95	8.95	3.47	3.16	3.07	3.78

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

02/01/2020



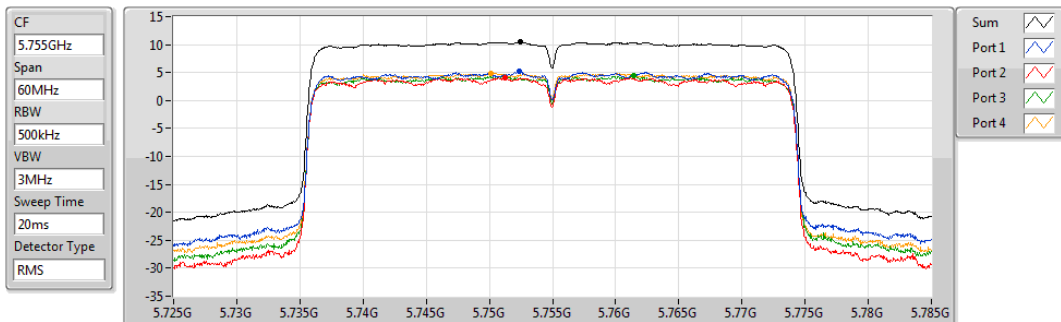
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.26	12.26	6.86	6.55	6.37	6.99

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5755MHz

02/01/2020



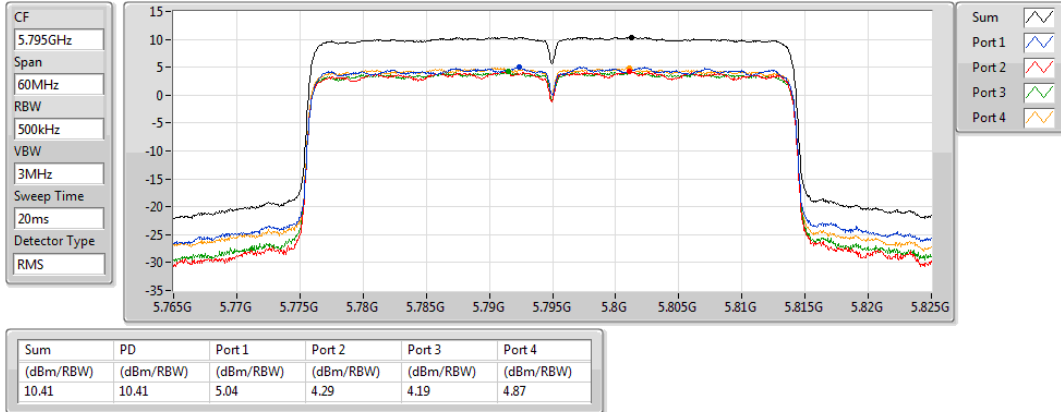
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.43	10.43	5.17	4.11	4.36	4.92

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5795MHz

02/01/2020

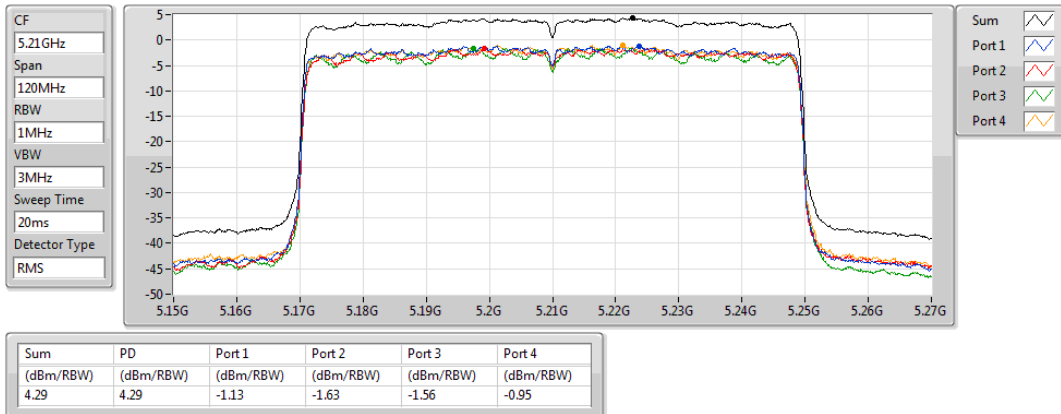


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

02/01/2020

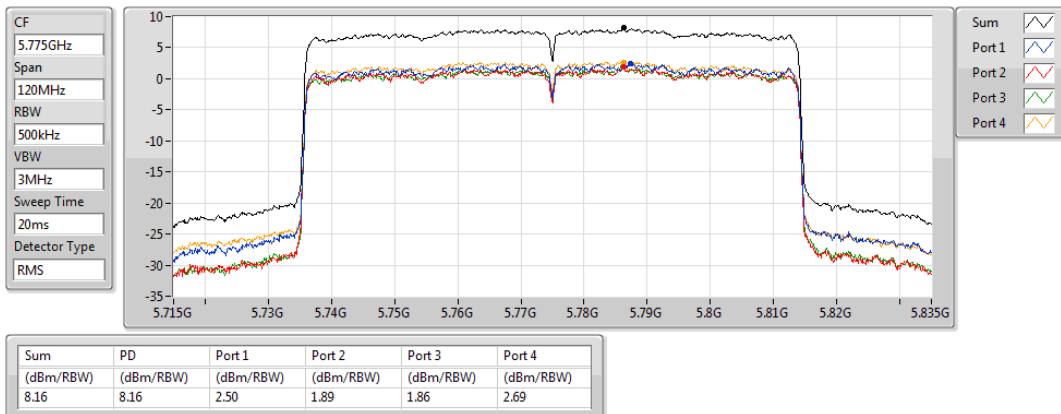


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5775MHz

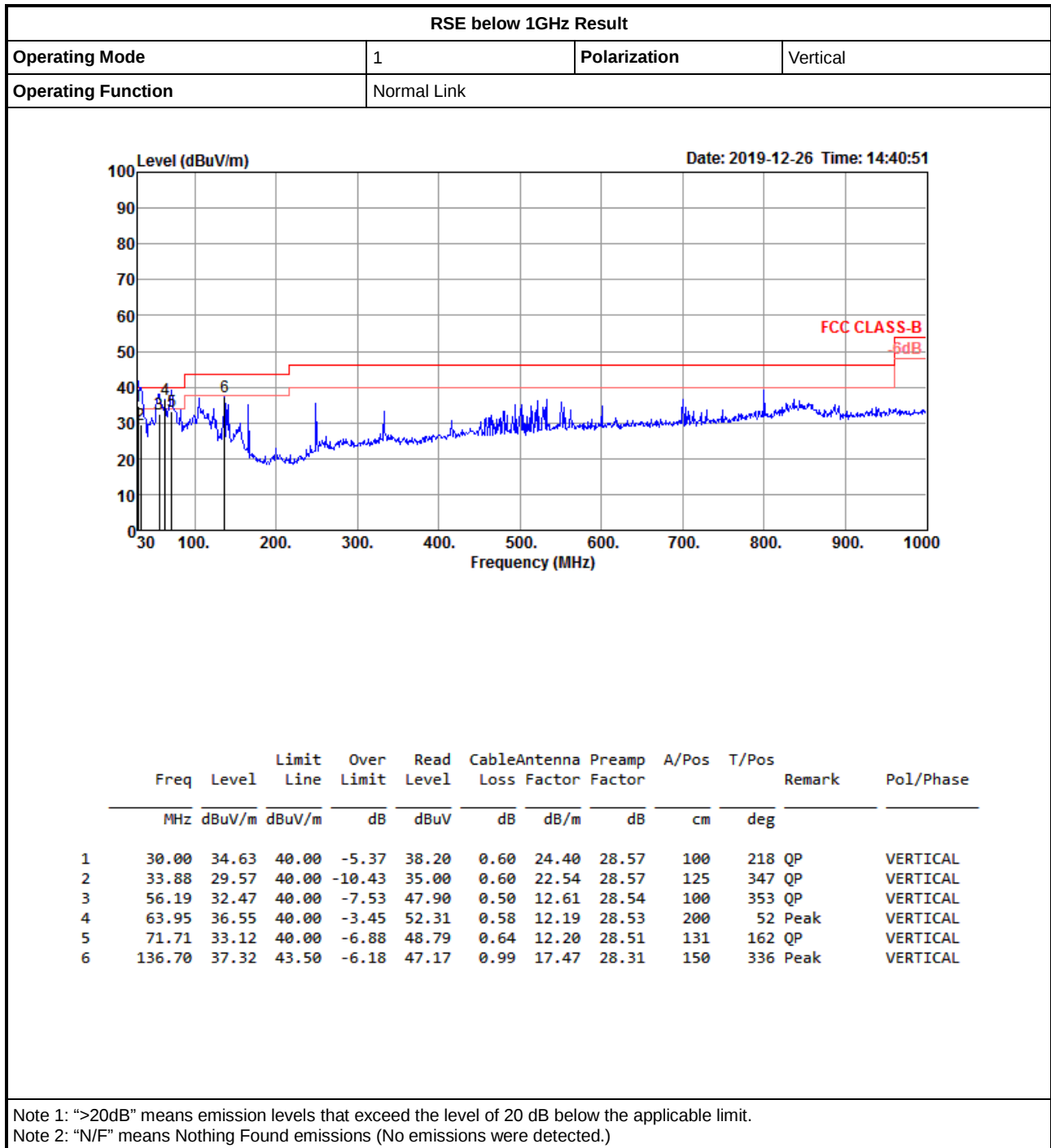
02/01/2020





RSE below 1GHz Result

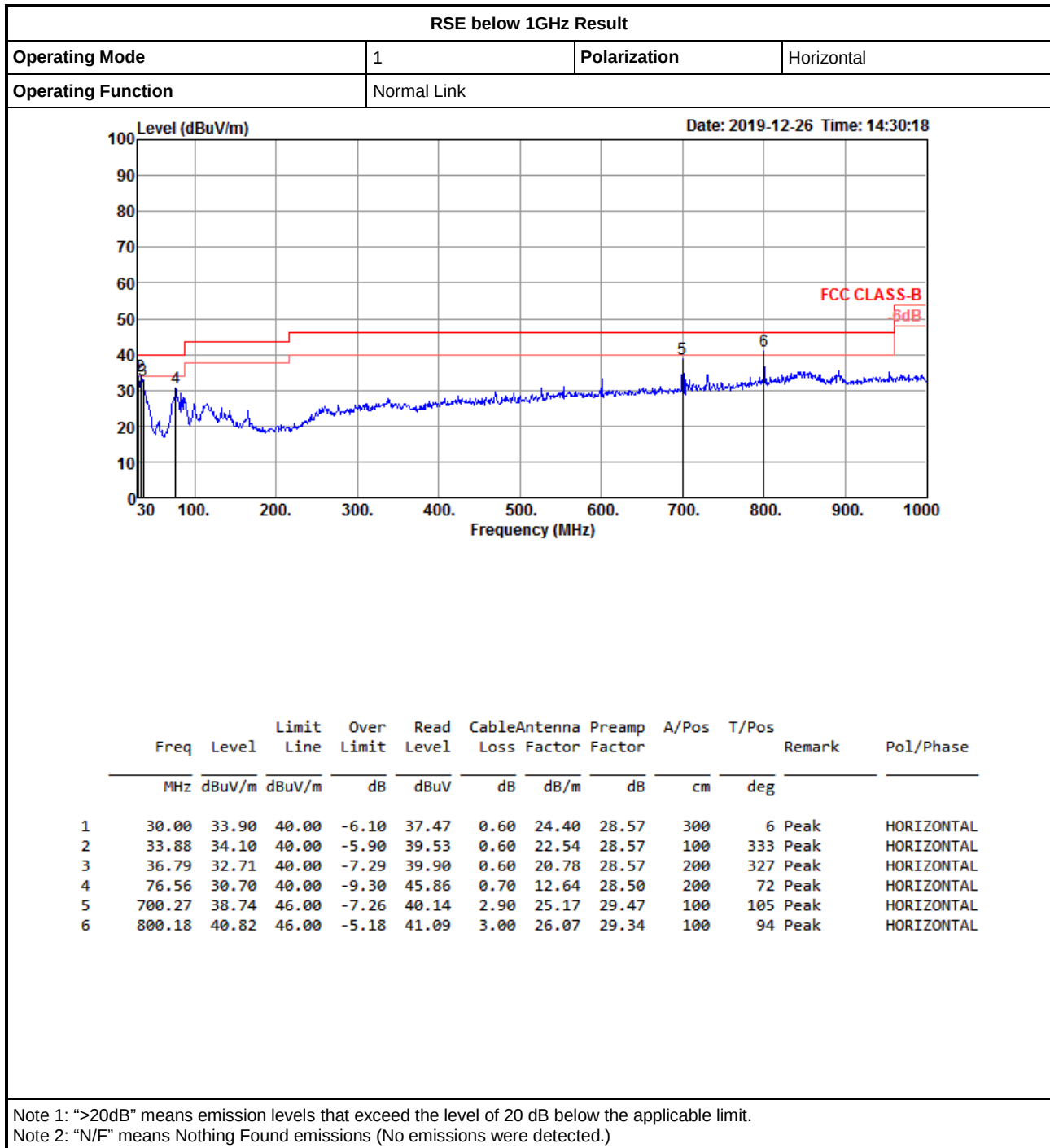
Appendix E.1





RSE below 1GHz Result

Appendix E.1





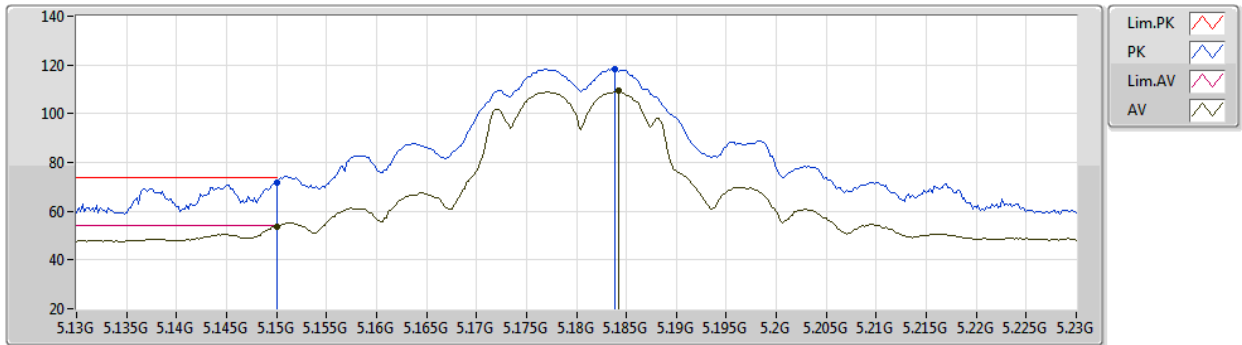
Summary

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)_4TX	Pass	PK	17.23124G	68.17	68.20	-0.03	3	Horizontal	217	2.84	-

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5180MHz_TX



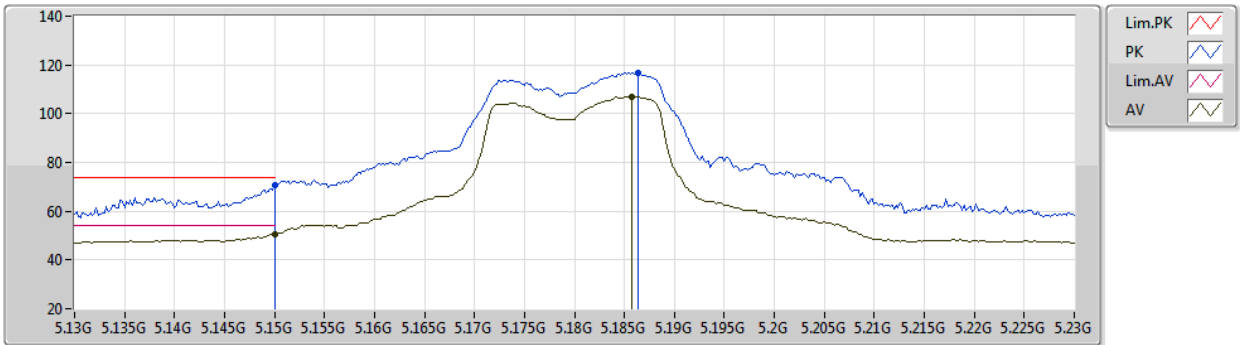
EUT Y_4TX
04-F-Z-1-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.15G	71.69	74.00	-2.31	67.56	3	Vertical	132	2.31	-	33.05	4.64	33.56
AV	5.15G	53.82	54.00	-0.18	49.69	3	Vertical	132	2.31	-	33.05	4.64	33.56
PK	5.1838G	118.50	Inf	-Inf	114.37	3	Vertical	132	2.31	-	33.08	4.61	33.56
AV	5.1842G	109.25	Inf	-Inf	105.12	3	Vertical	132	2.31	-	33.08	4.61	33.56

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5180MHz_TX



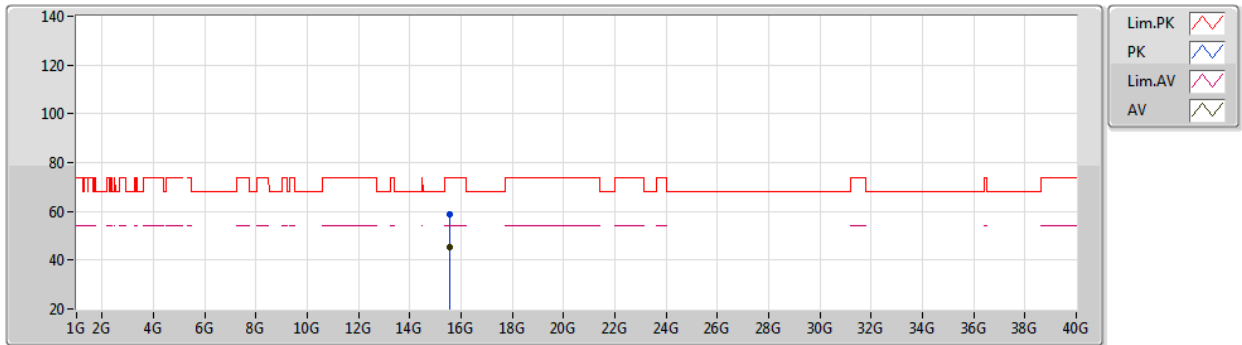
EUT Y_4TX
04-F-Z-1-10

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	66.34	3	Horizontal	173	2.60	-	33.05	4.65	33.56
AV	5.15G	50.76	54.00	-3.24	46.62	3	Horizontal	173	2.60	-	33.05	4.65	33.56
PK	5.1864G	116.68	Inf	-Inf	112.54	3	Horizontal	173	2.60	-	33.09	4.61	33.56
AV	5.1858G	107.11	Inf	-Inf	102.97	3	Horizontal	173	2.60	-	33.09	4.61	33.56

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5180MHz_TX



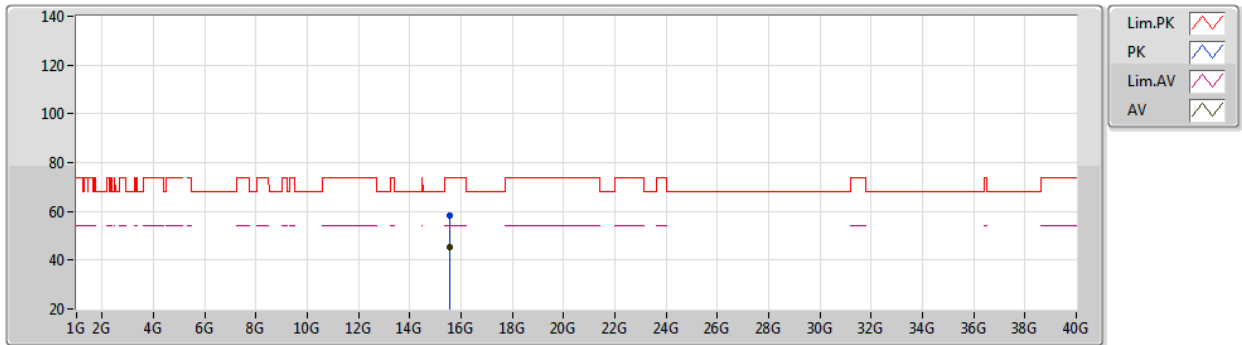
EUT Y_4TX
04-F-Z-1

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	15.54608G	58.90	74.00	-15.10	45.98	3	Vertical	0	1.80	-	39.10	9.24	35.42
AV	15.55408G	45.18	54.00	-8.82	32.27	3	Vertical	0	1.80	-	39.09	9.24	35.42

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5180MHz_TX



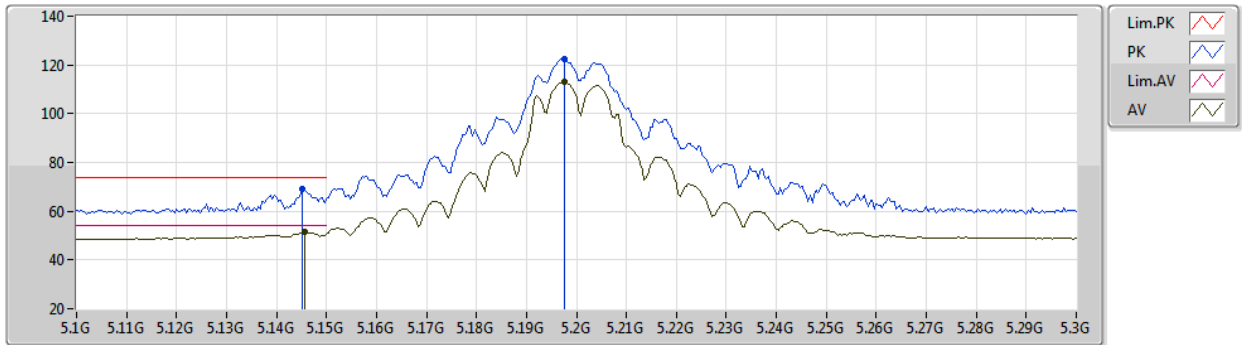
EUT Y_4TX
04-F-Z-1

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	15.55008G	58.49	74.00	-15.51	45.58	3	Horizontal	209	1.06	-	39.09	9.24	35.42
AV	15.5404G	45.19	54.00	-8.81	32.27	3	Horizontal	209	1.06	-	39.11	9.23	35.42

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5200MHz_TX



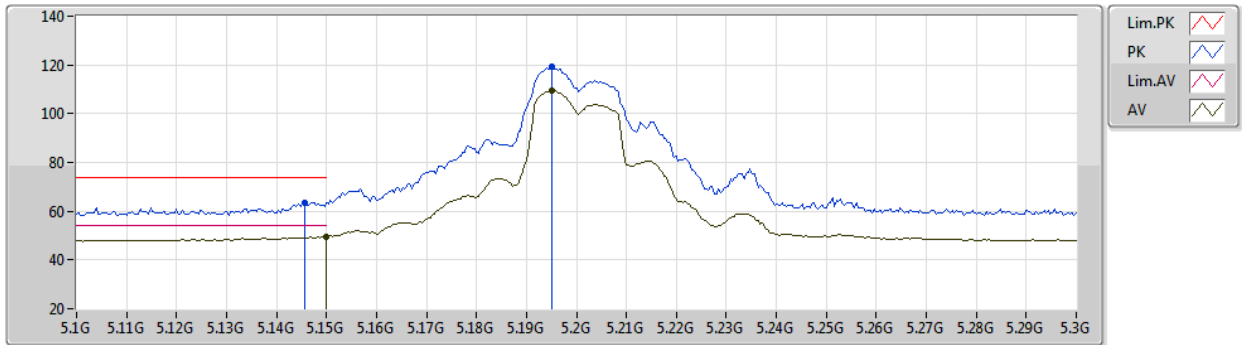
EUT Y_4TX
04-F-Z-1-10

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	5.1452G	69.07	74.00	-4.93	64.93	3	Vertical	134	2.31	-	33.05	4.65	33.56
AV	5.1456G	51.61	54.00	-2.39	47.47	3	Vertical	134	2.31	-	33.05	4.65	33.56
PK	5.1976G	122.43	Inf	-Inf	118.29	3	Vertical	134	2.31	-	33.10	4.60	33.56
AV	5.1976G	112.92	Inf	-Inf	108.78	3	Vertical	134	2.31	-	33.10	4.60	33.56

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5200MHz_TX



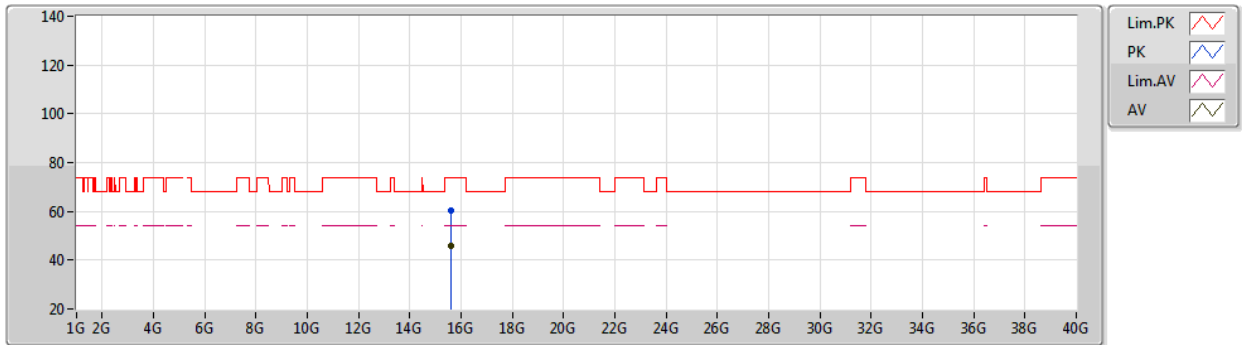
EUT Y_4TX
04-F-Z-1-10

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	5.1456G	63.62	74.00	-10.38	59.48	3	Horizontal	67	1.26	-	33.05	4.65	33.56
AV	5.15G	49.71	54.00	-4.29	45.57	3	Horizontal	67	1.26	-	33.05	4.65	33.56
PK	5.1952G	119.10	Inf	-Inf	114.96	3	Horizontal	67	1.26	-	33.10	4.60	33.56
AV	5.1952G	109.31	Inf	-Inf	105.17	3	Horizontal	67	1.26	-	33.10	4.60	33.56

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5200MHz_TX



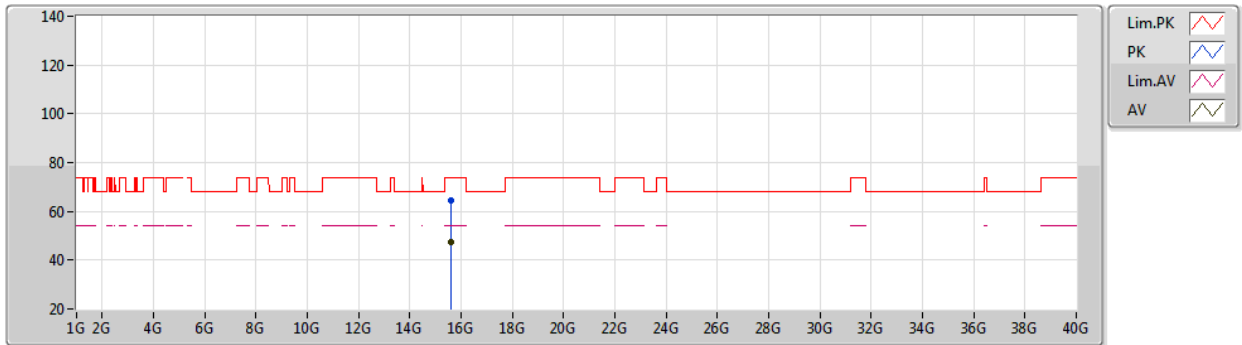
EUT Y_4TX
04-F-Z-1

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	15.60096G	60.57	74.00	-13.43	47.69	3	Vertical	251	1.52	-	39.04	9.28	35.44
AV	15.59992G	45.99	54.00	-8.01	33.11	3	Vertical	251	1.52	-	39.04	9.28	35.44

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5200MHz_TX



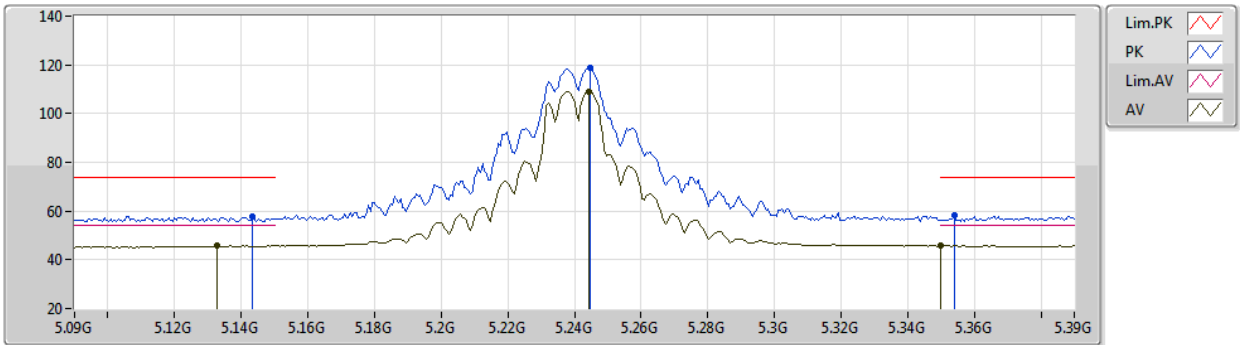
EUT Y_4TX
04-F-Z-1

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	15.60152G	64.29	74.00	-9.71	51.41	3	Horizontal	206	1.07	-	39.04	9.28	35.44	
AV	15.602G	47.62	54.00	-6.38	34.74	3	Horizontal	206	1.07	-	39.04	9.28	35.44	

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5240MHz_TX



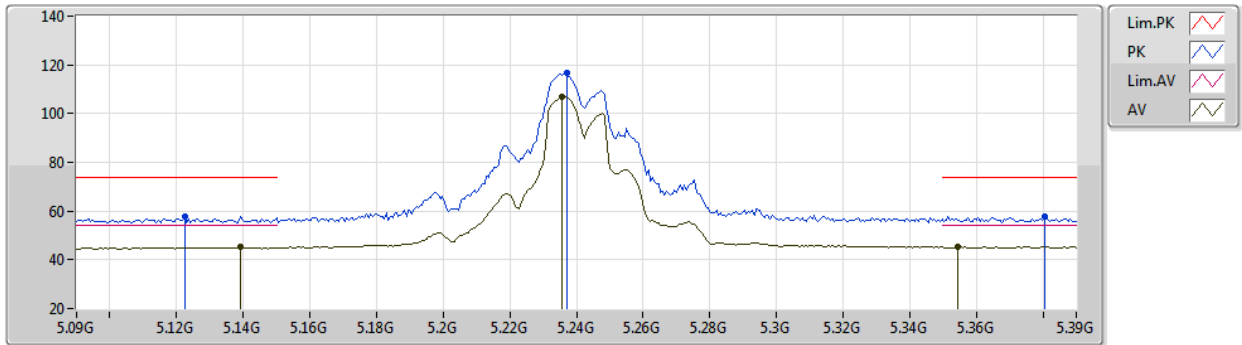
EUT Y_4TX
04-F-Z-1-10

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	5.1434G	57.74	74.00	-16.26	53.61	3	Vertical	134	2.30	-	33.04	4.65	33.56
AV	5.1326G	45.79	54.00	-8.21	41.66	3	Vertical	134	2.30	-	33.03	4.66	33.56
PK	5.2448G	118.62	Inf	-Inf	114.42	3	Vertical	134	2.30	-	33.14	4.62	33.56
AV	5.2442G	109.16	Inf	-Inf	104.96	3	Vertical	134	2.30	-	33.14	4.62	33.56
PK	5.354G	58.28	74.00	-15.72	53.81	3	Vertical	134	2.30	-	33.36	4.68	33.57
AV	5.35G	45.81	54.00	-8.19	41.35	3	Vertical	134	2.30	-	33.35	4.68	33.57

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5240MHz_TX

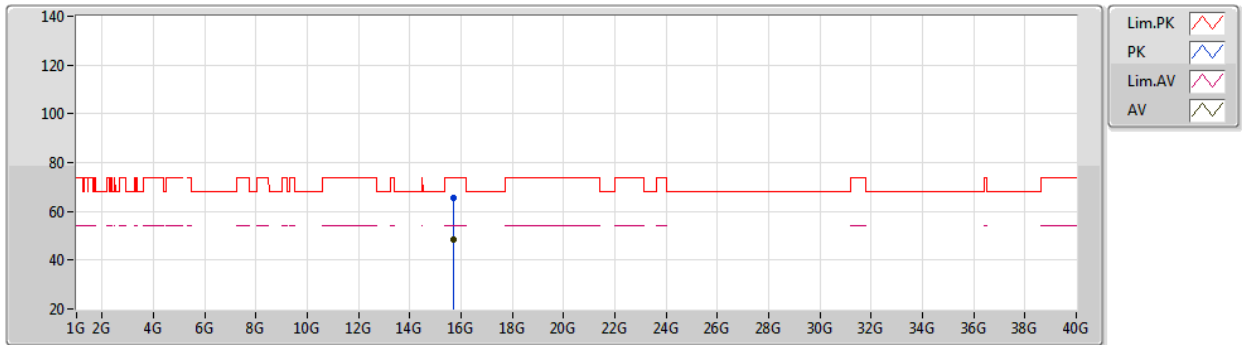

EUT Y_4TX
04-F-Z-1-10

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	5.1224G	57.66	74.00	-16.34	53.53	3	Horizontal	71	1.75	-	33.02	4.67	33.56
AV	5.1392G	45.09	54.00	-8.91	40.96	3	Horizontal	71	1.75	-	33.04	4.65	33.56
PK	5.237G	116.58	Inf	-Inf	112.38	3	Horizontal	71	1.75	-	33.14	4.62	33.56
AV	5.2358G	106.75	Inf	-Inf	102.55	3	Horizontal	71	1.75	-	33.14	4.62	33.56
PK	5.3804G	57.72	74.00	-16.28	53.16	3	Horizontal	71	1.75	-	33.44	4.69	33.57
AV	5.3546G	45.38	54.00	-8.62	40.91	3	Horizontal	71	1.75	-	33.36	4.68	33.57

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5240MHz_TX



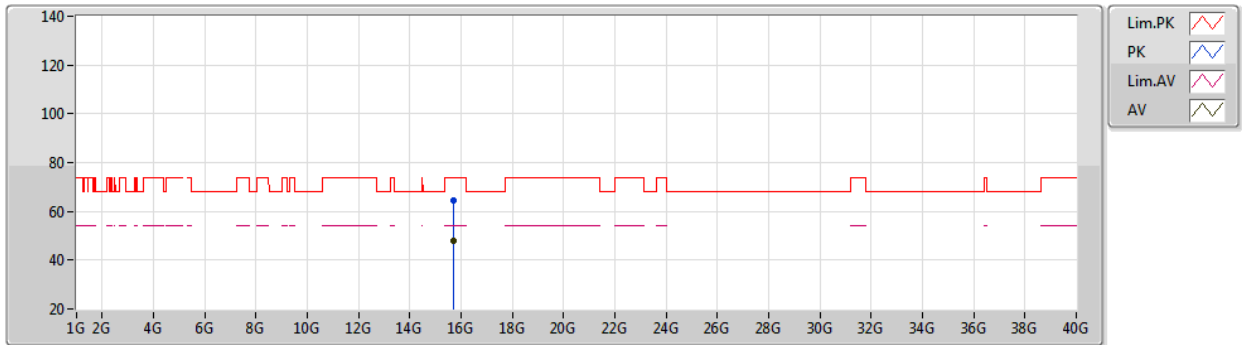
EUT Y_4TX
04-F-Z-1

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	15.72184G	65.42	74.00	-8.58	52.60	3	Vertical	205	1.84	-	38.91	9.38	35.47
AV	15.7212G	48.19	54.00	-5.81	35.37	3	Vertical	205	1.84	-	38.91	9.38	35.47

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5240MHz_TX



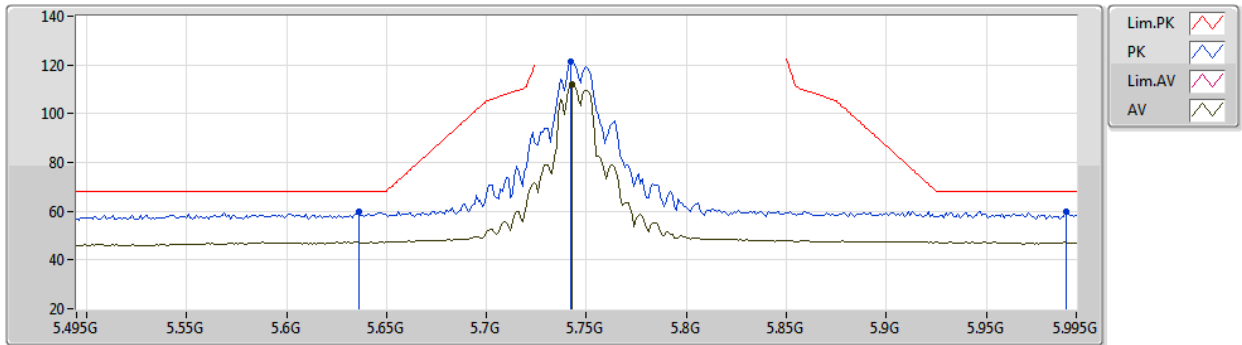
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04-F-Z-1

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	15.72192G	64.31	74.00	-9.69	51.49	3	Horizontal	207	1.03	-	38.91	9.38	35.47
AV	15.72216G	48.02	54.00	-5.98	35.20	3	Horizontal	207	1.03	-	38.91	9.38	35.47

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5745MHz_TX



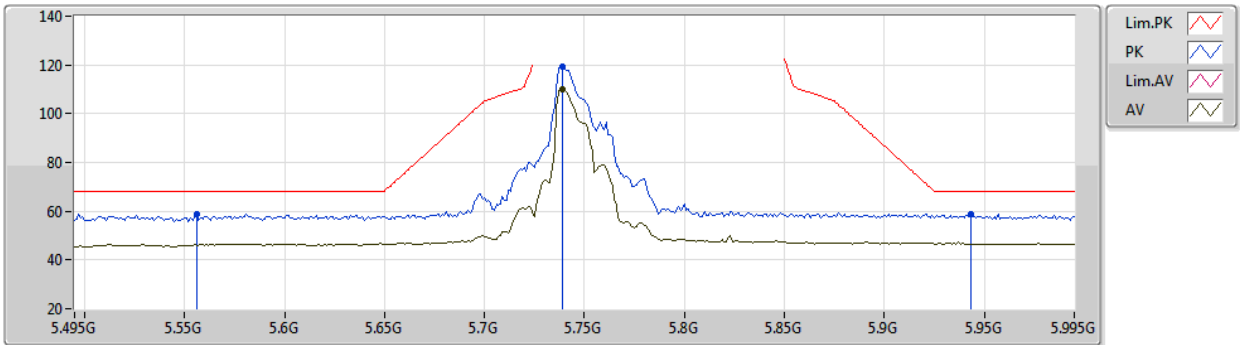
EUT Y_4TX
04-F-Z-1-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.636G	59.94	68.20	-8.26	54.54	3	Vertical	207	1.32	-	34.04	4.98	33.62
PK	5.742G	121.19	Inf	-Inf	115.72	3	Vertical	207	1.32	-	34.18	4.93	33.64
AV	5.743G	112.14	Inf	-Inf	106.66	3	Vertical	207	1.32	-	34.19	4.93	33.64
PK	5.99G	59.88	68.20	-8.32	53.33	3	Vertical	207	1.32	-	35.26	5.00	33.71

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5745MHz_TX



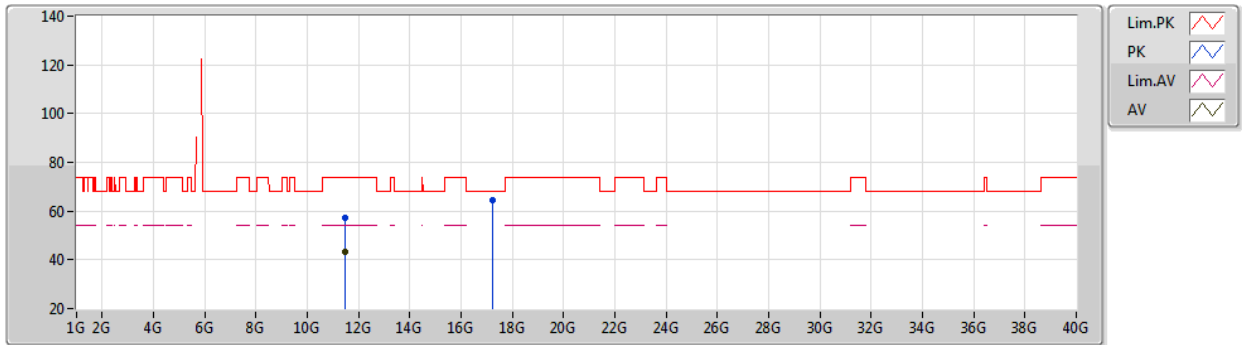
EUT Y_4TX
04-F-Z-1-10

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	5.556G	58.98	68.20	-9.22	53.76	3	Horizontal	174	3.00	-	33.91	4.91	33.60
PK	5.739G	119.37	Inf	-Inf	113.90	3	Horizontal	174	3.00	-	34.18	4.93	33.64
AV	5.739G	110.16	Inf	-Inf	104.69	3	Horizontal	174	3.00	-	34.18	4.93	33.64
PK	5.943G	58.81	68.20	-9.39	52.46	3	Horizontal	174	3.00	-	35.07	4.97	33.69

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5745MHz_TX



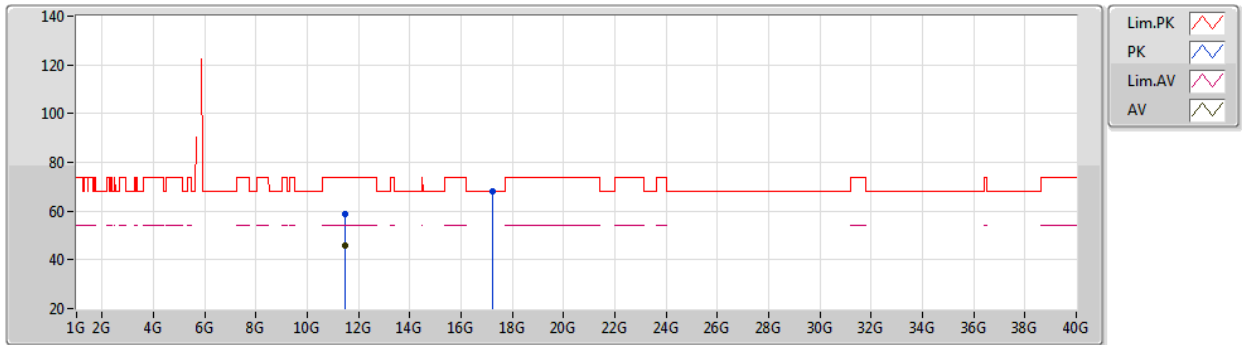
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04-F-Z-1

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	11.4954G	57.18	74.00	-16.82	45.56	3	Vertical	303	3.00	-	39.15	7.25	34.78
AV	11.49468G	43.40	54.00	-10.60	31.78	3	Vertical	303	3.00	-	39.15	7.25	34.78
PK	17.23408G	64.24	68.20	-3.96	48.84	3	Vertical	321	1.19	-	41.01	9.89	35.50

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5745MHz_TX



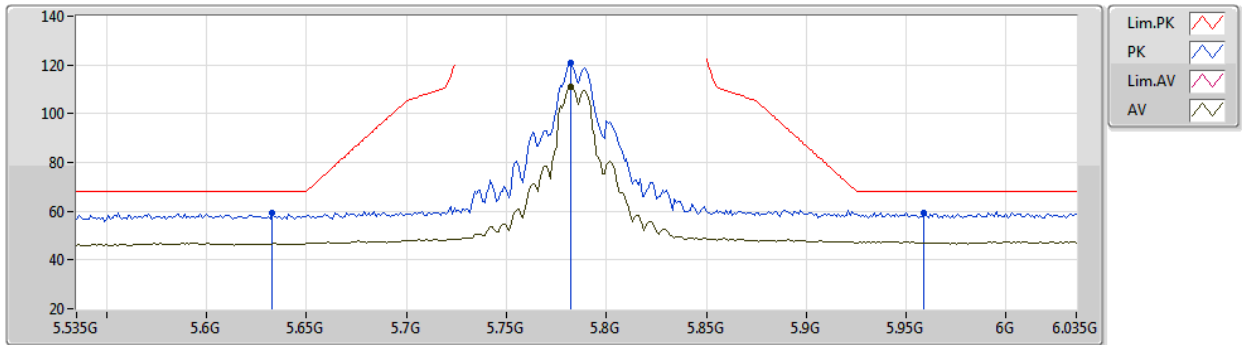
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04-F-Z-1

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	11.488G	59.05	74.00	-14.95	47.41	3	Horizontal	239	1.80	-	39.16	7.25	34.77
AV	11.48824G	45.76	54.00	-8.24	34.12	3	Horizontal	239	1.80	-	39.16	7.25	34.77
PK	17.23124G	68.17	68.20	-0.03	52.77	3	Horizontal	217	2.84	-	41.01	9.89	35.50

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5785MHz_TX



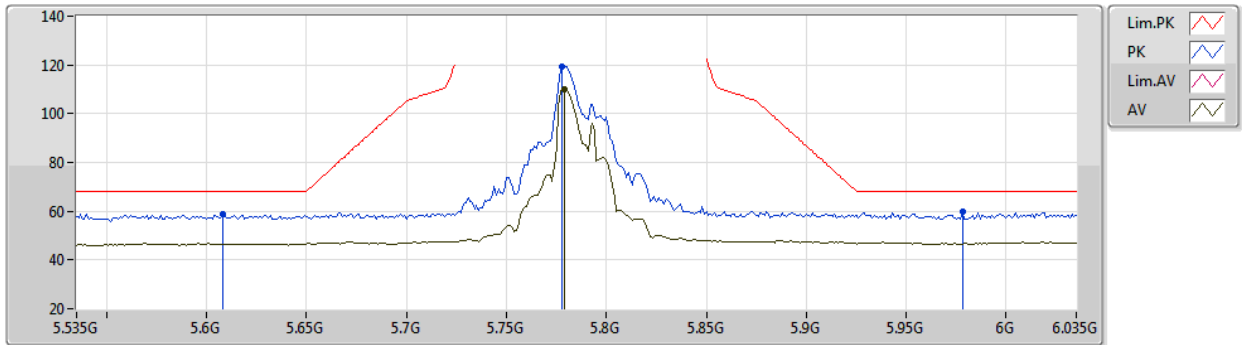
EUT Y_4TX
04-F-Z-1-10

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	5.633G	59.37	68.20	-8.83	53.98	3	Vertical	214	1.32	-	34.03	4.98	33.62
PK	5.782G	120.91	Inf	-Inf	115.39	3	Vertical	214	1.32	-	34.26	4.91	33.65
AV	5.782G	111.13	Inf	-Inf	105.61	3	Vertical	214	1.32	-	34.26	4.91	33.65
PK	5.959G	59.26	68.20	-8.94	52.84	3	Vertical	214	1.32	-	35.14	4.98	33.70

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5785MHz_TX



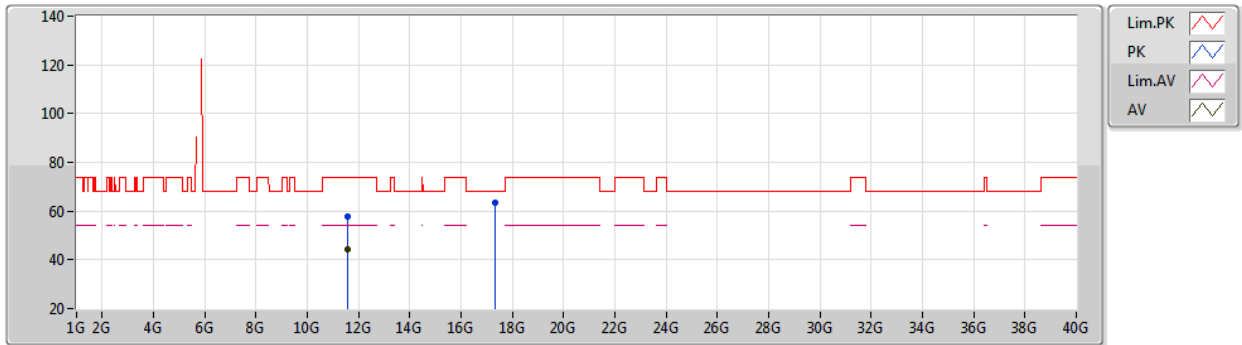
EUT Y_4TX
04-F-Z-1-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.608G	58.86	68.20	-9.34	53.46	3	Horizontal	173	2.93	-	34.01	5.00	33.61
PK	5.778G	119.21	Inf	-Inf	113.69	3	Horizontal	173	2.93	-	34.26	4.91	33.65
AV	5.779G	110.12	Inf	-Inf	104.60	3	Horizontal	173	2.93	-	34.26	4.91	33.65
PK	5.978G	59.67	68.20	-8.53	53.17	3	Horizontal	173	2.93	-	35.21	4.99	33.70

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5785MHz_TX



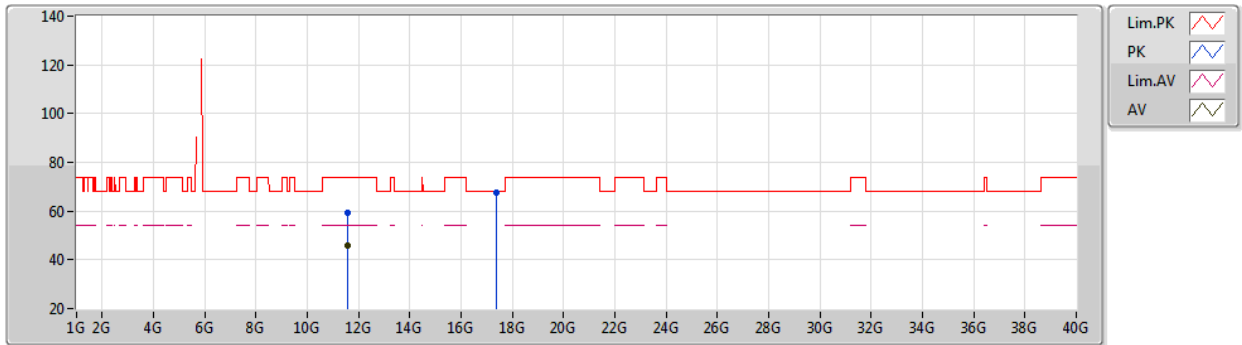
EUT Y_4TX
04-F-Z-1

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	11.56792G	57.64	74.00	-16.36	46.09	3	Vertical	101	2.70	-	39.12	7.26	34.83
AV	11.56832G	44.10	54.00	-9.90	32.55	3	Vertical	101	2.70	-	39.12	7.26	34.83
PK	17.35116G	63.35	68.20	-4.85	47.77	3	Vertical	323	1.55	-	41.12	9.94	35.48

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5785MHz_TX



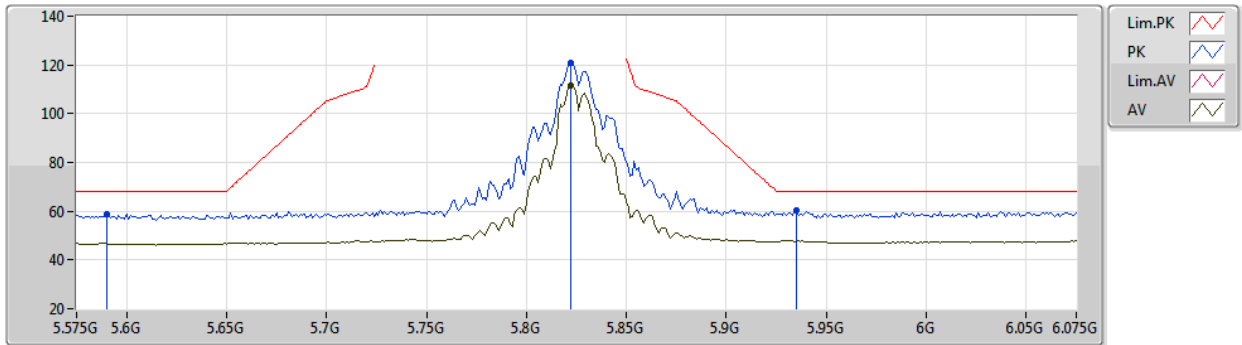
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04-F-Z-1

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	11.5692G	59.08	74.00	-14.92	47.53	3	Horizontal	32	2.22	-	39.12	7.26	34.83
AV	11.5692G	45.77	54.00	-8.23	34.22	3	Horizontal	32	2.22	-	39.12	7.26	34.83
PK	17.3566G	67.82	68.20	-0.38	52.24	3	Horizontal	222	2.10	-	41.12	9.94	35.48

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5825MHz_TX



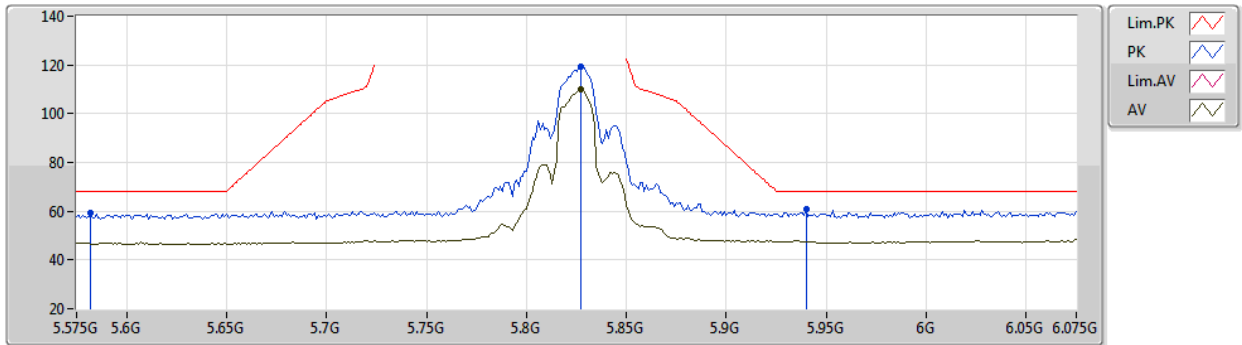
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04-F-Z-1-10

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	5.59G	58.80	68.20	-9.40	53.45	3	Vertical	216	1.73	-	33.98	4.98	33.61
PK	5.822G	121.12	Inf	-Inf	115.44	3	Vertical	216	1.73	-	34.43	4.91	33.66
AV	5.822G	111.48	Inf	-Inf	105.80	3	Vertical	216	1.73	-	34.43	4.91	33.66
PK	5.935G	60.14	68.20	-8.06	53.82	3	Vertical	216	1.73	-	35.04	4.97	33.69

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5825MHz_TX



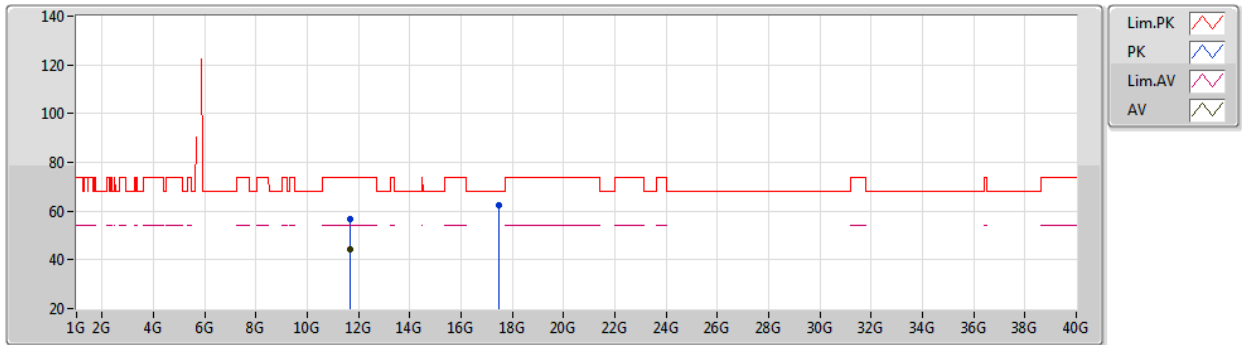
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04-F-Z-1-10

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	5.582G	59.24	68.20	-8.96	53.92	3	Horizontal	7	1.59	-	33.96	4.96	33.60
PK	5.827G	119.36	Inf	-Inf	113.66	3	Horizontal	7	1.59	-	34.46	4.91	33.67
AV	5.827G	109.99	Inf	-Inf	104.29	3	Horizontal	7	1.59	-	34.46	4.91	33.67
PK	5.94G	61.01	68.20	-7.19	54.67	3	Horizontal	7	1.59	-	35.06	4.97	33.69

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5825MHz_TX



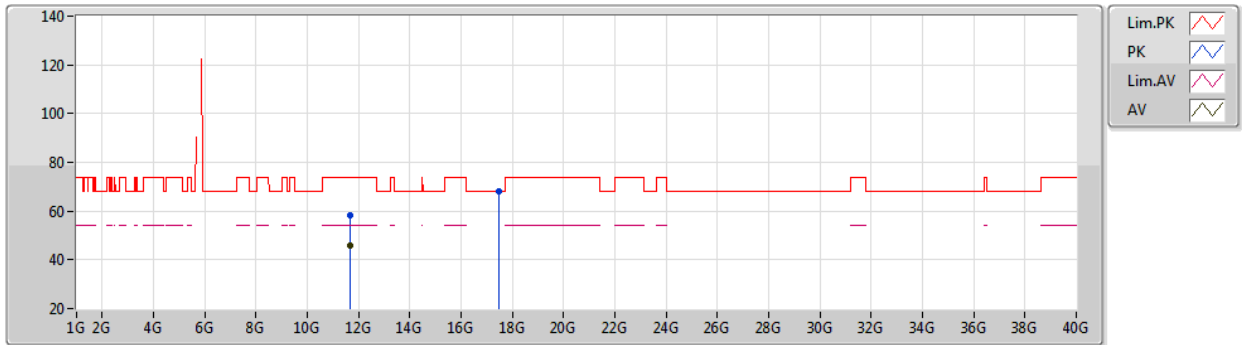
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04-F-Z-1

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	11.64928G	56.82	74.00	-17.18	45.37	3	Vertical	70	2.83	-	39.08	7.26	34.89
AV	11.64912G	44.42	54.00	-9.58	32.97	3	Vertical	70	2.83	-	39.08	7.26	34.89
PK	17.47148G	62.20	68.20	-6.00	46.44	3	Vertical	262	1.80	-	41.22	9.99	35.45

802.11a_Nss1,(6Mbps)_4TX

25/12/2019

5825MHz_TX



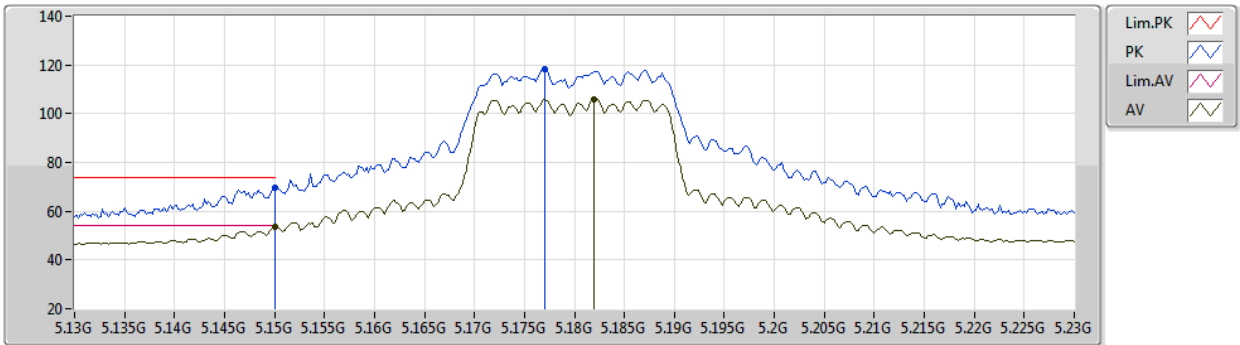
EUT Y_4TX
04-F-Z-1

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	11.64784G	58.47	74.00	-15.53	47.02	3	Horizontal	34	1.24	-	39.08	7.26	34.89
AV	11.6492G	46.07	54.00	-7.93	34.62	3	Horizontal	34	1.24	-	39.08	7.26	34.89
PK	17.47428G	68.15	68.20	-0.05	52.38	3	Horizontal	221	2.80	-	41.23	9.99	35.45

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5180MHz_TX



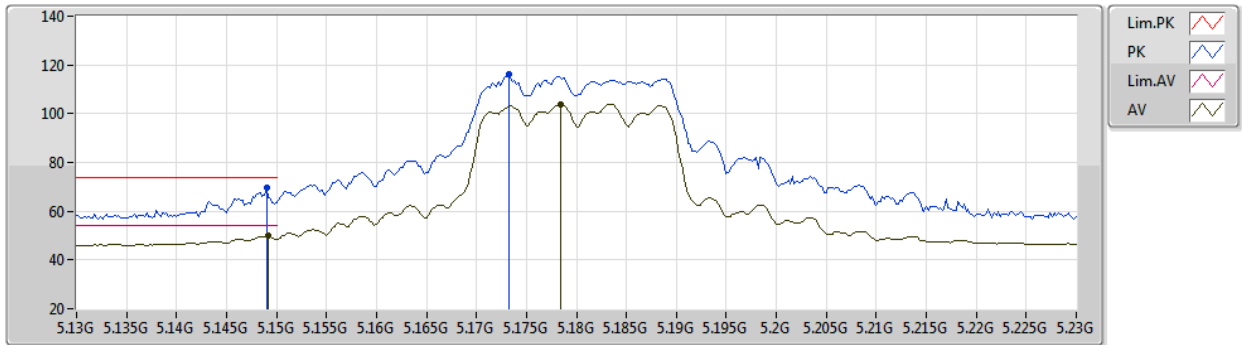
EUT Y_4TX
04-F-Z-1-10

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	69.41	74.00	-4.59	65.28	3	Vertical	124	2.02	-	33.05	4.64	33.56
AV	5.15G	53.86	54.00	-0.14	49.73	3	Vertical	124	2.02	-	33.05	4.64	33.56
PK	5.177G	118.46	Inf	-Inf	114.32	3	Vertical	124	2.02	-	33.08	4.62	33.56
AV	5.182G	105.95	Inf	-Inf	101.81	3	Vertical	124	2.02	-	33.08	4.62	33.56

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5180MHz_TX



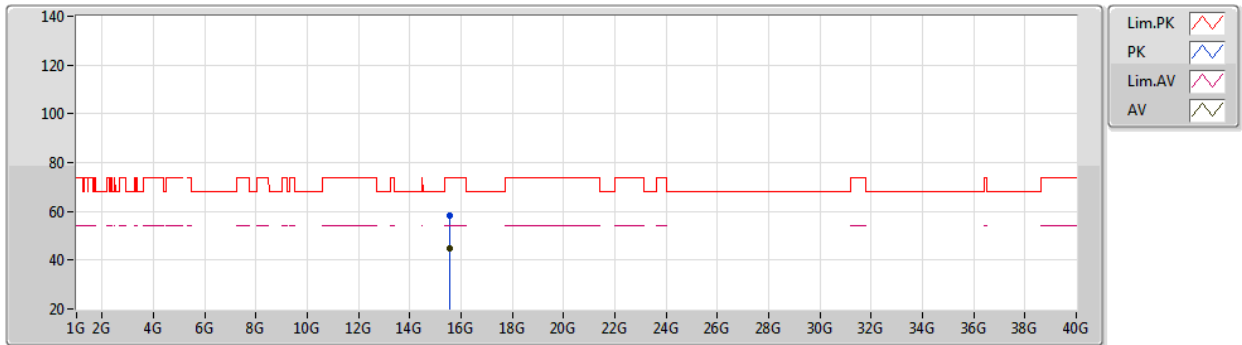
EUT Y_4TX
04-F-Z-1-10

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	5.149G	69.81	74.00	-4.19	65.67	3	Horizontal	169	2.41	-	33.05	4.65	33.56
AV	5.1492G	49.79	54.00	-4.21	45.65	3	Horizontal	169	2.41	-	33.05	4.65	33.56
PK	5.1732G	116.03	Inf	-Inf	111.90	3	Horizontal	169	2.41	-	33.07	4.62	33.56
AV	5.1784G	103.62	Inf	-Inf	99.48	3	Horizontal	169	2.41	-	33.08	4.62	33.56

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5180MHz_TX



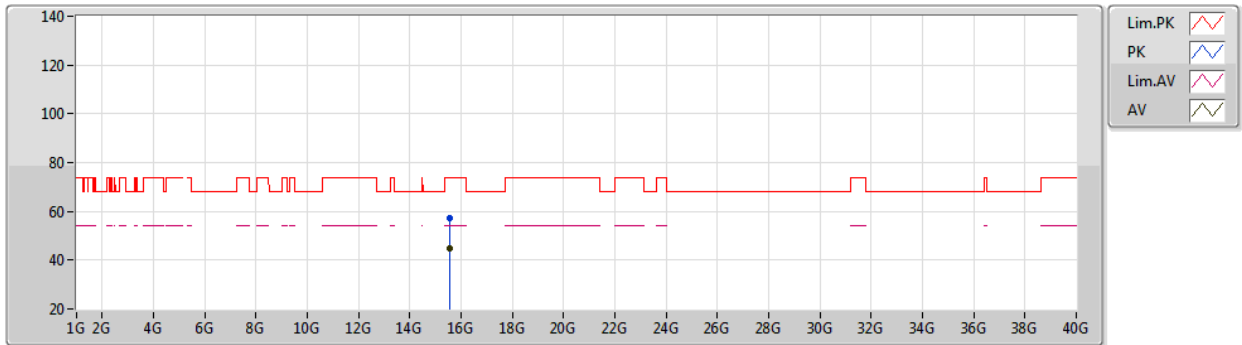
EUT Y_4TX
04-F-Z-1

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	15.53904G	58.22	74.00	-15.78	45.30	3	Vertical	26	2.28	-	39.11	9.23	35.42
AV	15.53966G	44.63	54.00	-9.37	31.71	3	Vertical	26	2.28	-	39.11	9.23	35.42

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5180MHz_TX



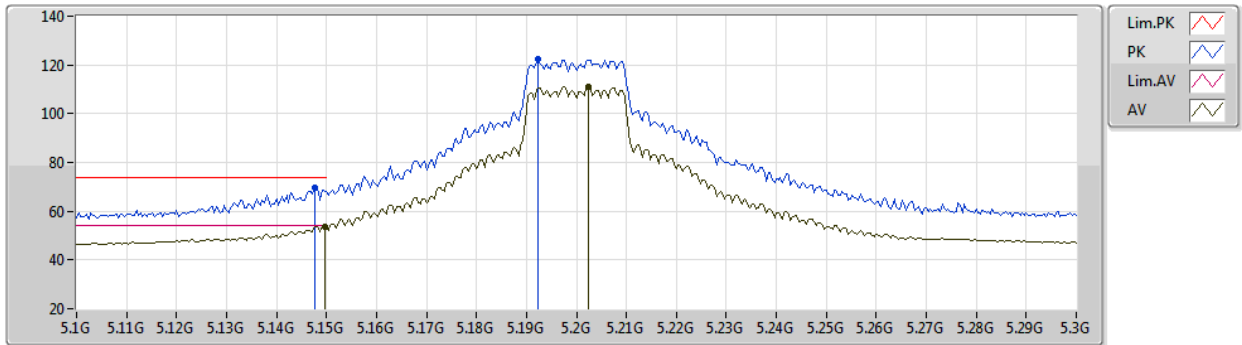
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04-F-Z-1

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	15.54163G	57.30	74.00	-16.70	44.39	3	Horizontal	8	1.47	-	39.10	9.23	35.42
AV	15.54208G	44.74	54.00	-9.26	31.83	3	Horizontal	8	1.47	-	39.10	9.23	35.42

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5200MHz_TX



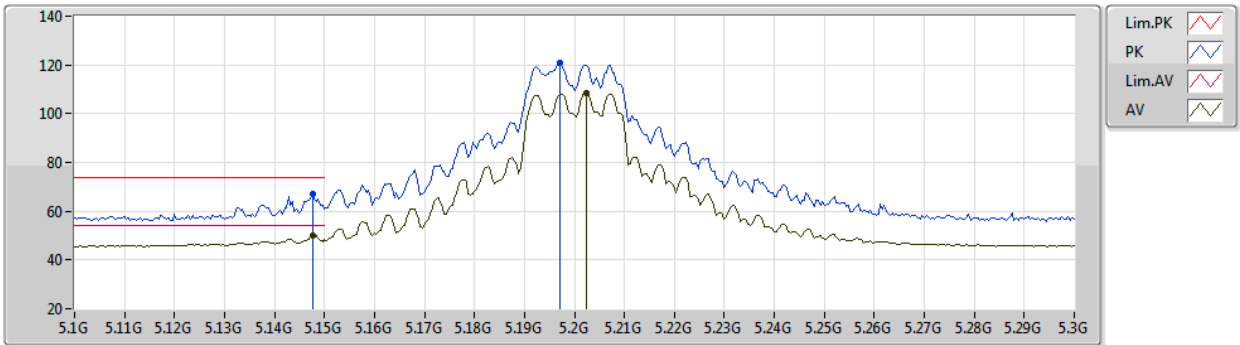
EUT Y_4TX
04-F-Z-1-10

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	69.76	74.00	-4.24	65.62	3	Vertical	129	2.11	-	33.05	4.65	33.56
AV	5.1496G	53.68	54.00	-0.32	49.54	3	Vertical	129	2.11	-	33.05	4.65	33.56
PK	5.1924G	122.38	Inf	-Inf	118.24	3	Vertical	129	2.11	-	33.09	4.61	33.56
AV	5.2024G	111.14	Inf	-Inf	107.00	3	Vertical	129	2.11	-	33.10	4.60	33.56

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5200MHz_TX



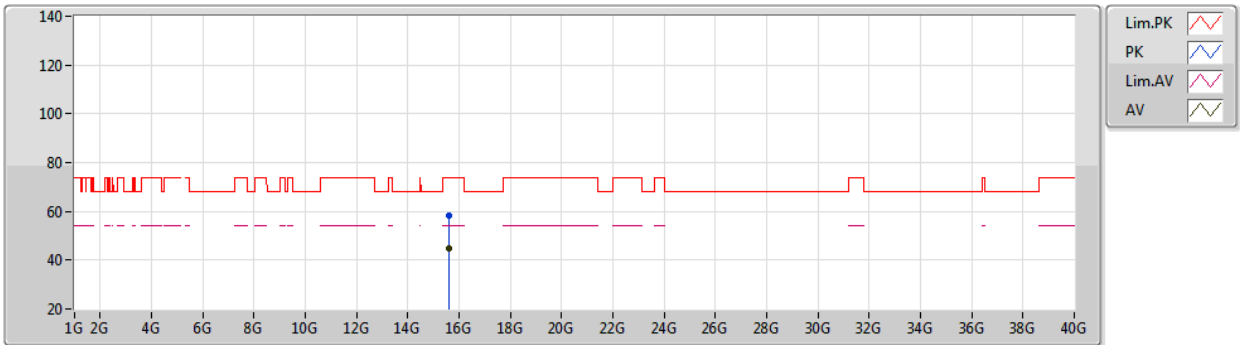
EUT Y_4TX
04-F-Z-1-10

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	67.12	74.00	-6.88	62.98	3	Horizontal	69	1.36	-	33.05	4.65	33.56
AV	5.1476G	50.22	54.00	-3.78	46.08	3	Horizontal	69	1.36	-	33.05	4.65	33.56
PK	5.1972G	121.02	Inf	-Inf	116.88	3	Horizontal	69	1.36	-	33.10	4.60	33.56
AV	5.2024G	108.33	Inf	-Inf	104.19	3	Horizontal	69	1.36	-	33.10	4.60	33.56

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5200MHz_TX



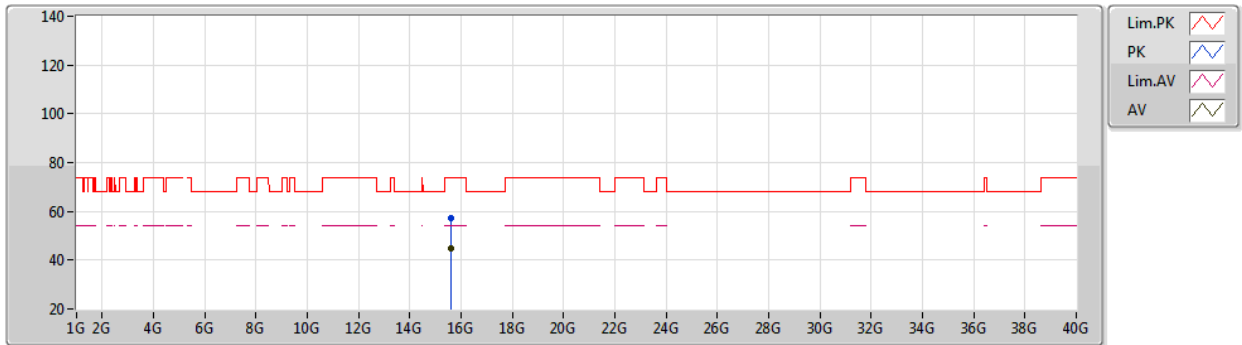
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04-F-Z-1

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	15.60176G	58.11	74.00	-15.89	45.23	3	Vertical	296	1.42	-	39.04	9.28	35.44
AV	15.59943G	44.85	54.00	-9.15	31.97	3	Vertical	296	1.42	-	39.04	9.28	35.44

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5200MHz_TX



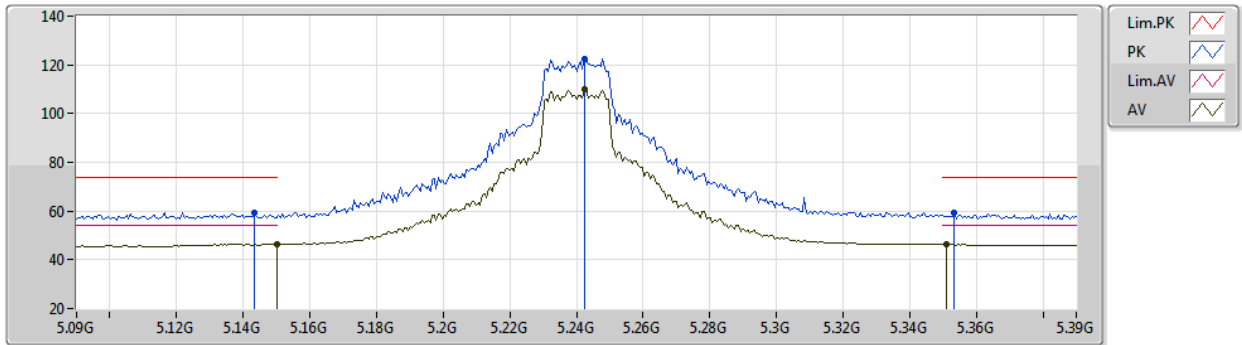
EUT Y_4TX
04-F-Z-1

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	15.601G	57.40	74.00	-16.60	44.52	3	Horizontal	302	1.36	-	39.04	9.28	35.44
AV	15.59912G	44.73	54.00	-9.27	31.85	3	Horizontal	302	1.36	-	39.04	9.28	35.44

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5240MHz_TX



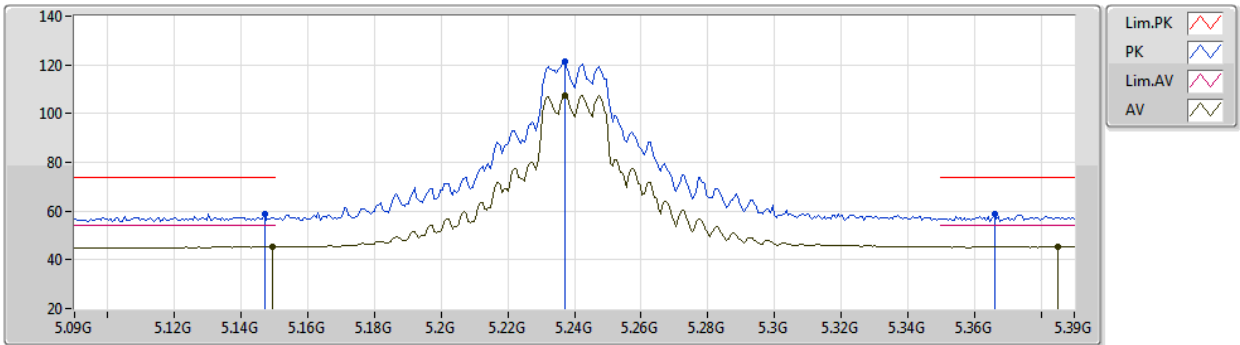
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04-F-Z-1-10

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	5.1434G	59.50	74.00	-14.50	55.37	3	Vertical	132	2.28	-	33.04	4.65	33.56
AV	5.15G	46.31	54.00	-7.69	42.17	3	Vertical	132	2.28	-	33.05	4.65	33.56
PK	5.2424G	122.41	Inf	-Inf	118.21	3	Vertical	132	2.28	-	33.14	4.62	33.56
AV	5.2424G	109.86	Inf	-Inf	105.66	3	Vertical	132	2.28	-	33.14	4.62	33.56
PK	5.3534G	59.21	74.00	-14.79	54.74	3	Vertical	132	2.28	-	33.36	4.68	33.57
AV	5.351G	46.36	54.00	-7.64	41.90	3	Vertical	132	2.28	-	33.35	4.68	33.57

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5240MHz_TX

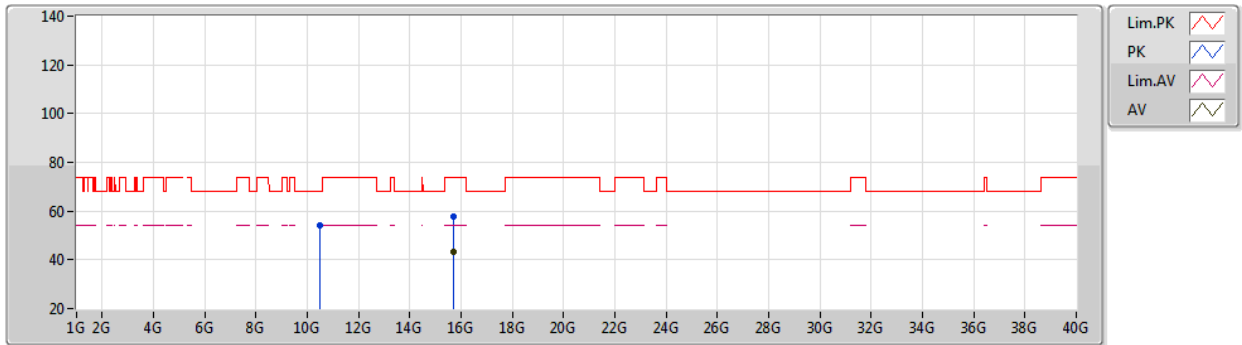

EUT Y_4TX
04-F-Z-1-10

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	5.147G	58.93	74.00	-15.07	54.79	3	Horizontal	68	1.90	-	33.05	4.65	33.56
AV	5.1494G	45.32	54.00	-8.68	41.18	3	Horizontal	68	1.90	-	33.05	4.65	33.56
PK	5.237G	121.39	Inf	-Inf	117.19	3	Horizontal	68	1.90	-	33.14	4.62	33.56
AV	5.237G	107.48	Inf	-Inf	103.28	3	Horizontal	68	1.90	-	33.14	4.62	33.56
PK	5.366G	58.67	74.00	-15.33	54.16	3	Horizontal	68	1.90	-	33.40	4.68	33.57
AV	5.3852G	45.33	54.00	-8.67	40.75	3	Horizontal	68	1.90	-	33.46	4.69	33.57

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5240MHz_TX



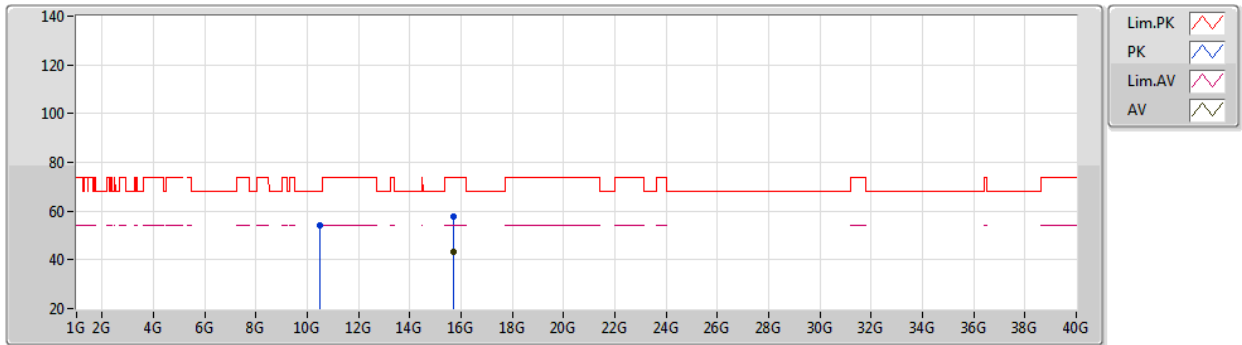
EUT Y_4TX
04-F-Z-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.48246G	54.21	68.20	-13.99	42.38	3	Vertical	284	1.10	-	38.99	6.89	34.05
PK	15.71888G	57.52	74.00	-16.48	44.70	3	Vertical	130	1.46	-	38.91	9.38	35.47
AV	15.71588G	43.07	54.00	-10.93	30.26	3	Vertical	130	1.46	-	38.91	9.37	35.47

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5240MHz_TX



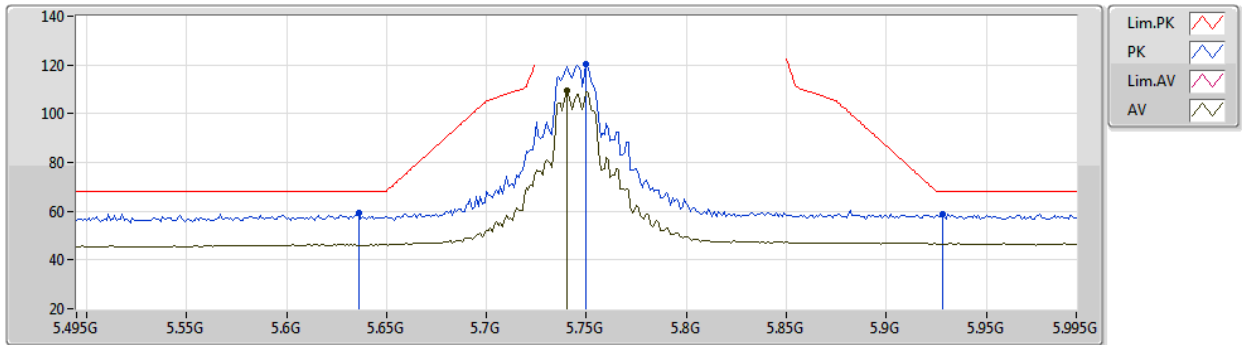
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04-F-Z-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.47508G	53.89	68.20	-14.31	42.07	3	Horizontal	239	2.07	-	38.98	6.89	34.05
PK	15.721G	57.59	74.00	-16.41	44.77	3	Horizontal	218	1.80	-	38.91	9.38	35.47
AV	15.71588G	43.38	54.00	-10.62	30.57	3	Horizontal	218	1.80	-	38.91	9.37	35.47

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5745MHz_TX



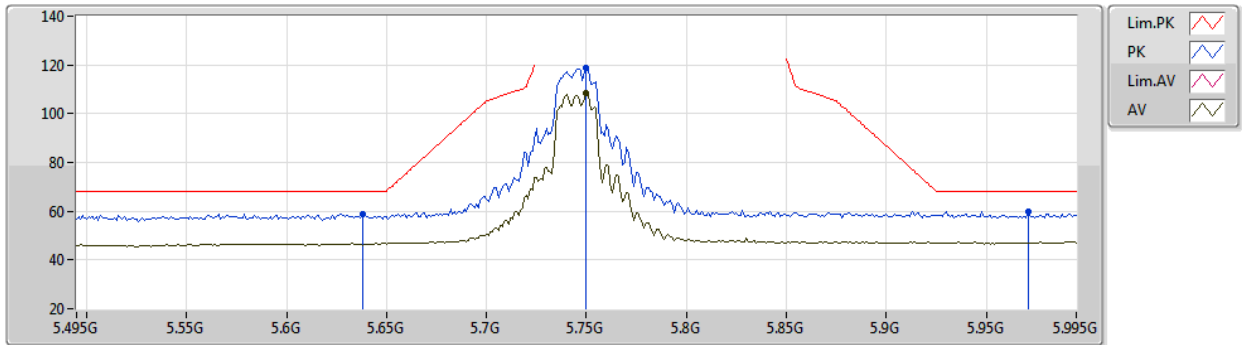
EUT Y_4TX
04-F-Z-1-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.636G	59.48	68.20	-8.72	54.08	3	Vertical	336	2.92	-	34.04	4.98	33.62
PK	5.75G	120.60	Inf	-Inf	115.11	3	Vertical	336	2.92	-	34.20	4.93	33.64
AV	5.74G	109.42	Inf	-Inf	103.95	3	Vertical	336	2.92	-	34.18	4.93	33.64
PK	5.928G	59.05	68.20	-9.15	52.77	3	Vertical	336	2.92	-	35.01	4.96	33.69

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5745MHz_TX



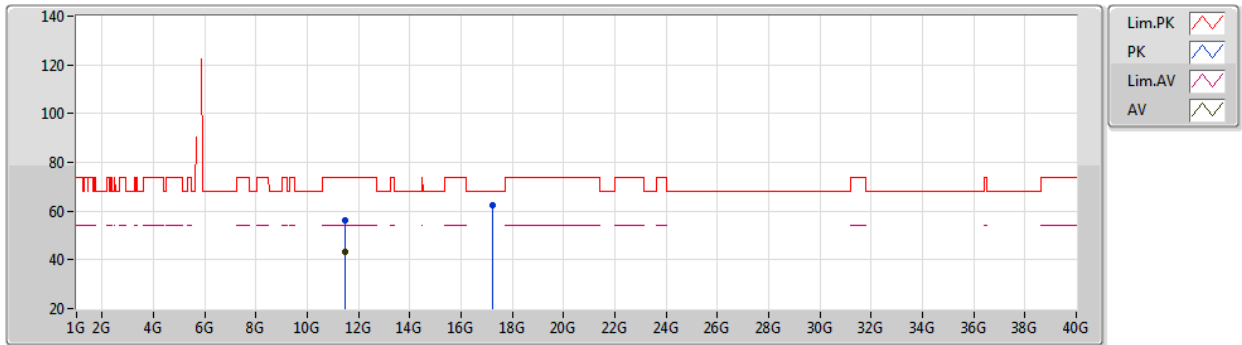
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04-F-Z-1-10

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	5.638G	58.75	68.20	-9.45	53.35	3	Horizontal	3	1.20	-	34.04	4.98	33.62
PK	5.75G	118.99	Inf	-Inf	113.50	3	Horizontal	3	1.20	-	34.20	4.93	33.64
AV	5.75G	108.34	Inf	-Inf	102.85	3	Horizontal	3	1.20	-	34.20	4.93	33.64
PK	5.971G	59.72	68.20	-8.48	53.25	3	Horizontal	3	1.20	-	35.18	4.99	33.70

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5745MHz_TX



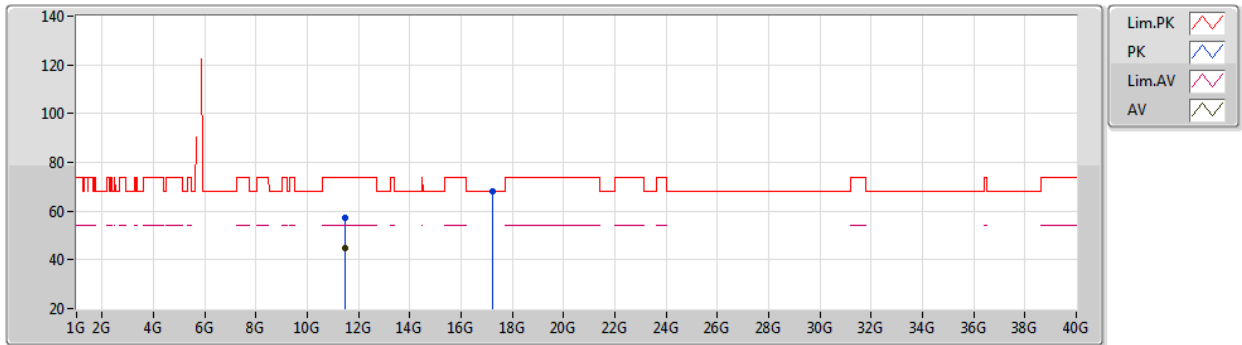
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04-F-Z-1

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	11.49128G	56.15	74.00	-17.85	44.52	3	Vertical	298	2.96	-	39.15	7.25	34.77
AV	11.4912G	43.19	54.00	-10.81	31.56	3	Vertical	298	2.96	-	39.15	7.25	34.77
PK	17.2262G	62.27	68.20	-5.93	46.88	3	Vertical	255	1.43	-	41.00	9.89	35.50

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5745MHz_TX

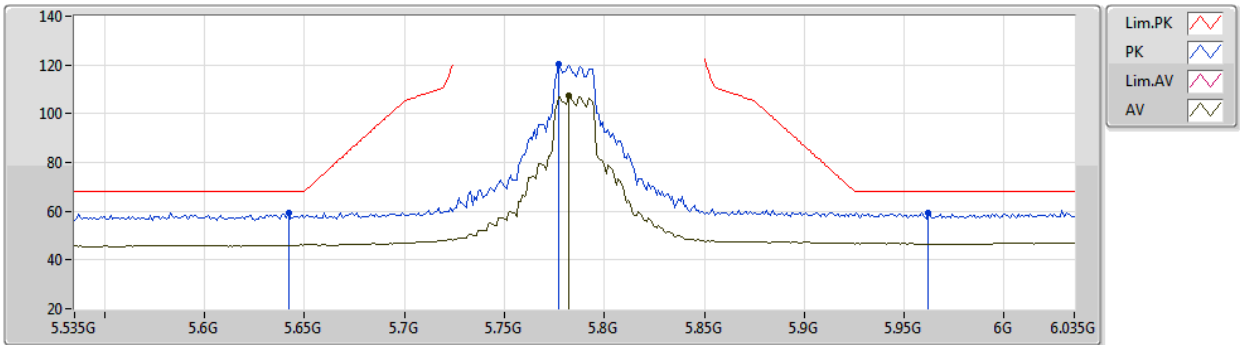

EUT Y_4TX
04-F-Z-1

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	11.49464G	57.32	74.00	-16.68	45.70	3	Horizontal	239	1.54	-	39.15	7.25	34.78
AV	11.48944G	45.03	54.00	-8.97	33.39	3	Horizontal	239	1.54	-	39.16	7.25	34.77
PK	17.22924G	68.04	68.20	-0.16	52.64	3	Horizontal	215	2.83	-	41.01	9.89	35.50

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5785MHz_TX



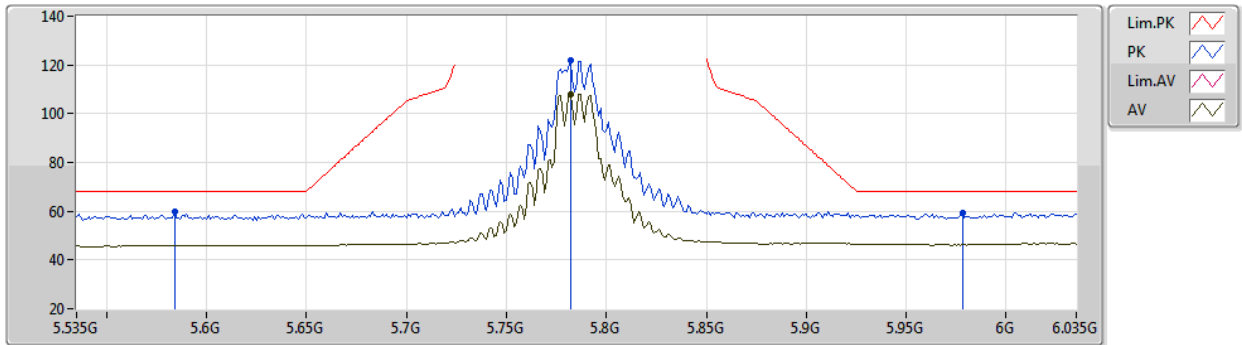
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04-F-Z-1-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.642G	59.42	68.20	-8.78	54.02	3	Vertical	218	1.29	-	34.04	4.98	33.62
PK	5.777G	120.27	Inf	-Inf	114.76	3	Vertical	218	1.29	-	34.25	4.91	33.65
AV	5.782G	107.28	Inf	-Inf	101.76	3	Vertical	218	1.29	-	34.26	4.91	33.65
PK	5.962G	59.49	68.20	-8.71	53.06	3	Vertical	218	1.29	-	35.15	4.98	33.70

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5785MHz_TX



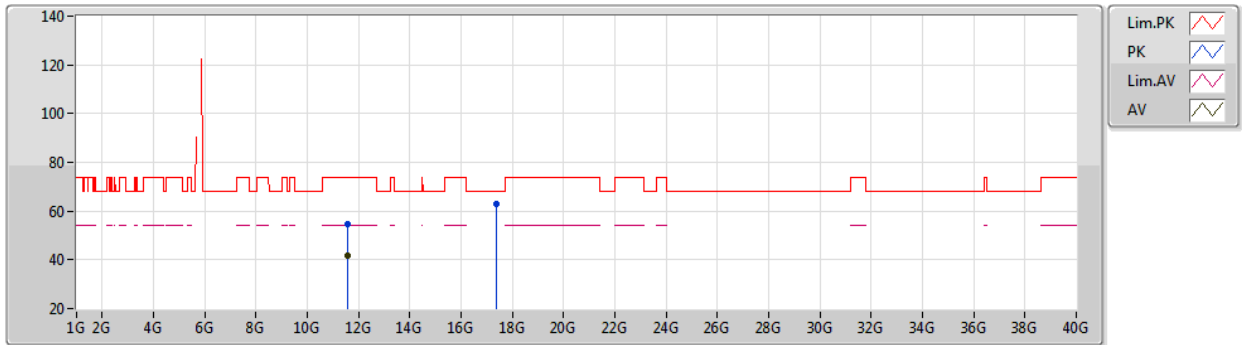
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04-F-Z-1-10

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	5.584G	59.78	68.20	-8.42	54.45	3	Horizontal	168	2.79	-	33.97	4.97	33.61	
PK	5.782G	122.01	Inf	-Inf	116.49	3	Horizontal	168	2.79	-	34.26	4.91	33.65	
AV	5.782G	107.86	Inf	-Inf	102.34	3	Horizontal	168	2.79	-	34.26	4.91	33.65	
PK	5.978G	59.24	68.20	-8.96	52.74	3	Horizontal	168	2.79	-	35.21	4.99	33.70	

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5785MHz_TX



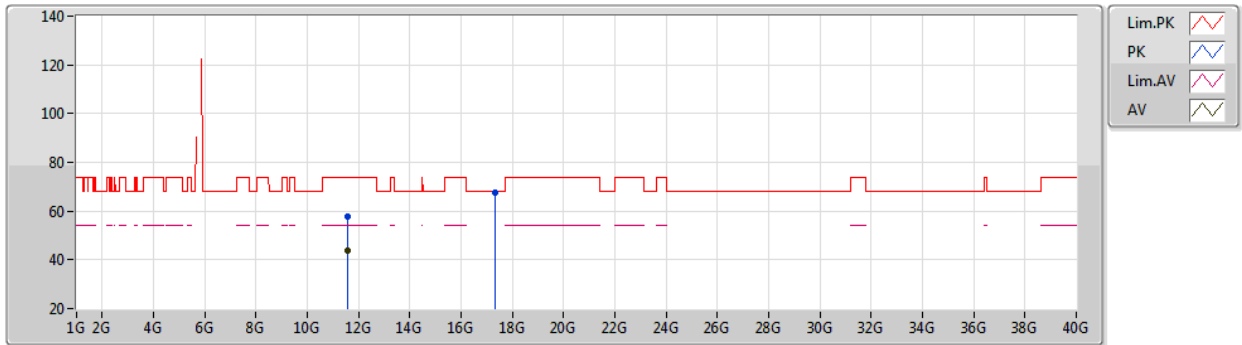
EUT Y_4TX
04-F-Z-1

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	11.574G	54.60	74.00	-19.40	43.06	3	Vertical	301	1.80	-	39.11	7.26	34.83
AV	11.5693G	41.51	54.00	-12.49	29.96	3	Vertical	301	1.80	-	39.12	7.26	34.83
PK	17.3532G	62.90	68.20	-5.30	47.32	3	Vertical	258	1.92	-	41.12	9.94	35.48

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5785MHz_TX



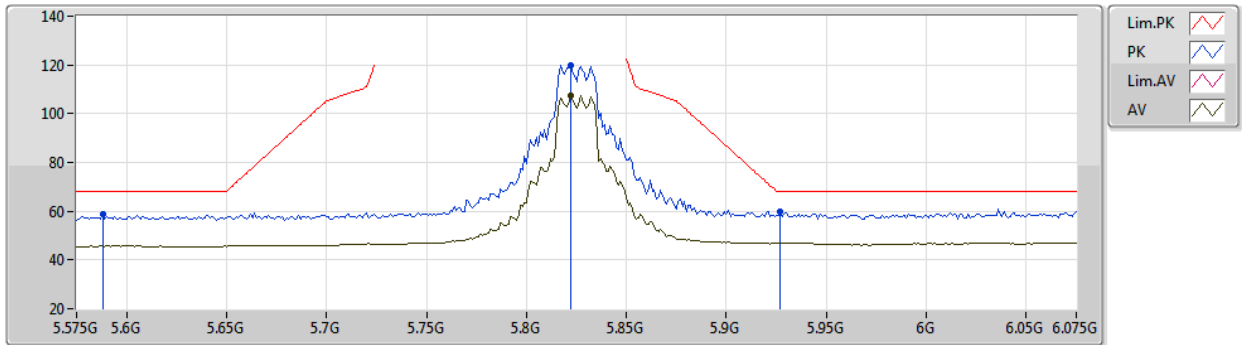
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04-F-Z-1

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	11.575G	57.57	74.00	-16.43	46.04	3	Horizontal	40	1.80	-	39.11	7.26	34.84
AV	11.5701G	43.93	54.00	-10.07	32.39	3	Horizontal	40	1.80	-	39.11	7.26	34.83
PK	17.3499G	67.37	68.20	-0.83	51.80	3	Horizontal	206	2.81	-	41.11	9.94	35.48

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5825MHz_TX



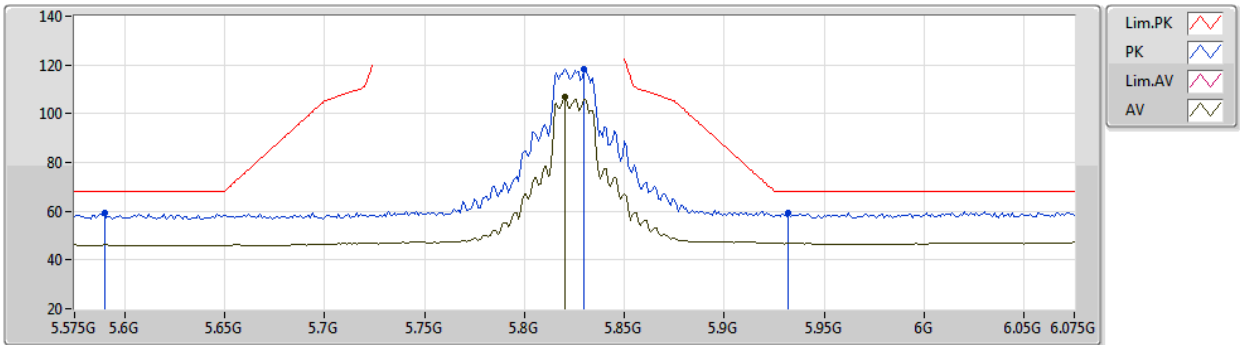
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04-F-Z-1-10

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	5.588G	58.60	68.20	-9.60	53.25	3	Vertical	3	1.84	-	33.98	4.98	33.61
PK	5.822G	119.95	Inf	-Inf	114.27	3	Vertical	3	1.84	-	34.43	4.91	33.66
AV	5.822G	107.42	Inf	-Inf	101.74	3	Vertical	3	1.84	-	34.43	4.91	33.66
PK	5.927G	59.75	68.20	-8.45	53.47	3	Vertical	3	1.84	-	35.01	4.96	33.69

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5825MHz_TX



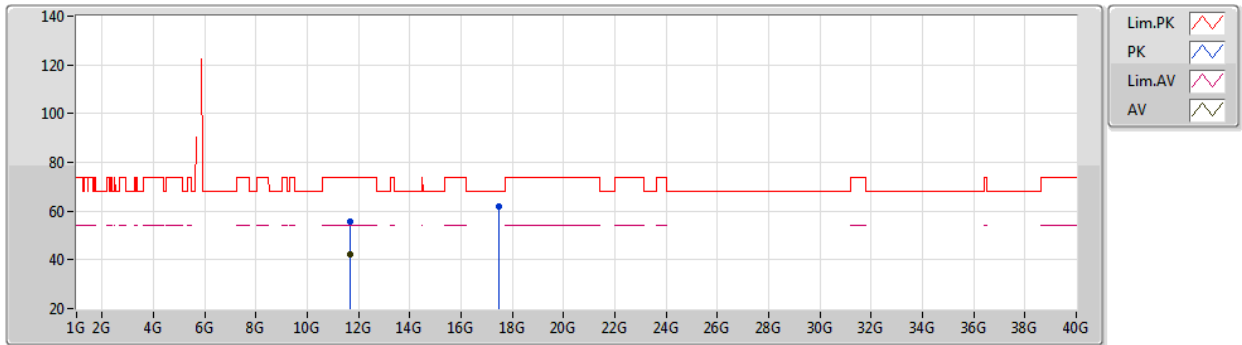
EUT Y_4TX
04-F-Z-1-10

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	5.59G	59.54	68.20	-8.66	54.19	3	Horizontal	6	1.78	-	33.98	4.98	33.61
PK	5.83G	118.53	Inf	-Inf	112.80	3	Horizontal	6	1.78	-	34.48	4.92	33.67
AV	5.82G	106.75	Inf	-Inf	101.08	3	Horizontal	6	1.78	-	34.42	4.91	33.66
PK	5.932G	59.41	68.20	-8.79	53.10	3	Horizontal	6	1.78	-	35.03	4.97	33.69

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5825MHz_TX



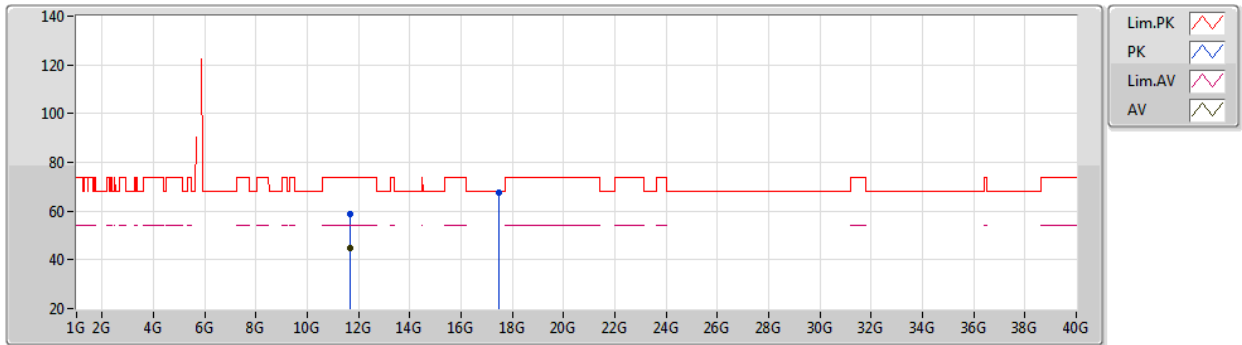
EUT Y_4TX
04-F-Z-1

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	11.6542G	55.92	74.00	-18.08	44.47	3	Vertical	285	2.91	-	39.07	7.27	34.89
AV	11.6487G	42.39	54.00	-11.61	30.94	3	Vertical	285	2.91	-	39.08	7.26	34.89
PK	17.4672G	61.86	68.20	-6.34	46.10	3	Vertical	255	1.80	-	41.22	9.99	35.45

802.11ax HEW20_Nss1,(MCS0)_4TX

25/12/2019

5825MHz_TX



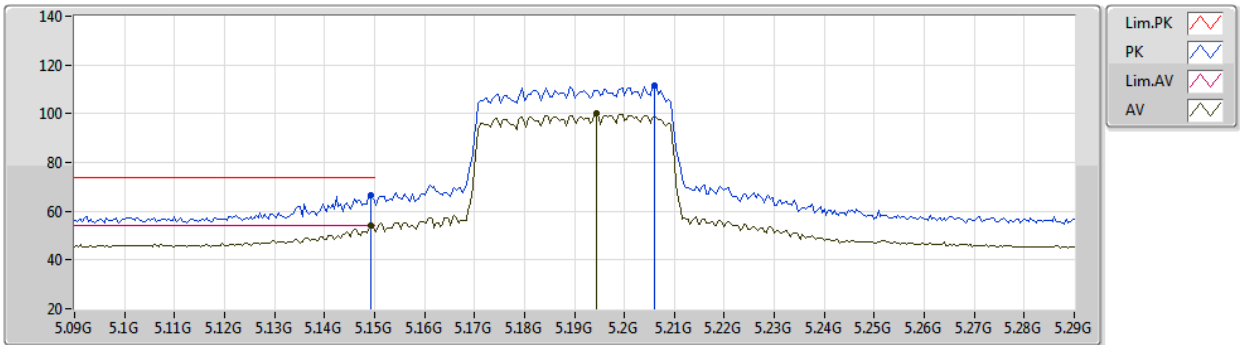
EUT Y_4TX
04-F-Z-1

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	11.6495G	58.92	74.00	-15.08	47.47	3	Horizontal	35	1.76	-	39.08	7.26	34.89
AV	11.6499G	44.62	54.00	-9.38	33.17	3	Horizontal	35	1.76	-	39.08	7.26	34.89
PK	17.4694G	67.79	68.20	-0.41	52.03	3	Horizontal	219	2.81	-	41.22	9.99	35.45

802.11ax HEW40_Nss1,(MCS0)_4TX

25/12/2019

5190MHz_TX



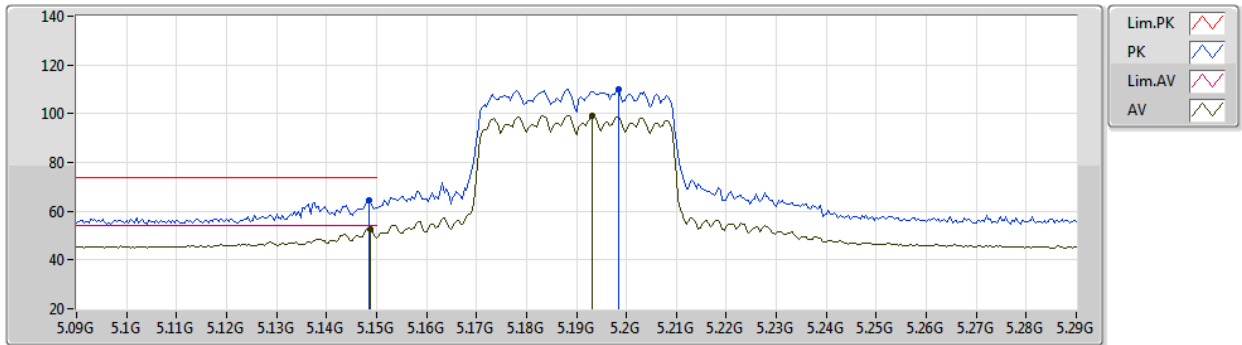
EUT Y_4TX
04-F-Z-1-10

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	66.72	74.00	-7.28	62.58	3	Vertical	304	1.33	-	33.05	4.65	33.56
AV	5.1492G	53.97	54.00	-0.03	49.83	3	Vertical	304	1.33	-	33.05	4.65	33.56
PK	5.206G	111.30	Inf	-Inf	107.15	3	Vertical	304	1.33	-	33.11	4.60	33.56
AV	5.1944G	100.08	Inf	-Inf	95.94	3	Vertical	304	1.33	-	33.09	4.61	33.56

802.11ax HEW40_Nss1,(MCS0)_4TX

25/12/2019

5190MHz_TX

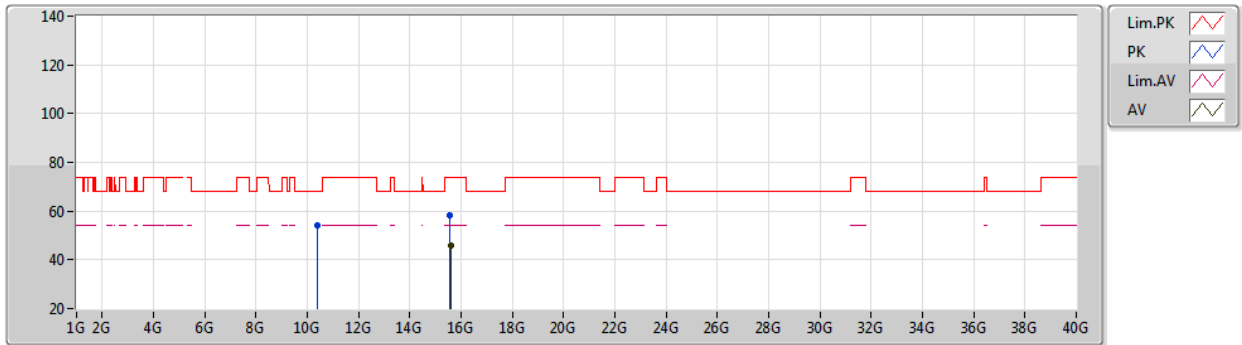

EUT Y_4TX
04-F-Z-1-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1484G	64.66	74.00	-9.34	60.52	3	Horizontal	170	2.28	-	33.05	4.65	33.56
AV	5.1488G	52.77	54.00	-1.23	48.63	3	Horizontal	170	2.28	-	33.05	4.65	33.56
PK	5.1984G	110.19	Inf	-Inf	106.05	3	Horizontal	170	2.28	-	33.10	4.60	33.56
AV	5.1932G	99.27	Inf	-Inf	95.13	3	Horizontal	170	2.28	-	33.09	4.61	33.56

802.11ax HEW40_Nss1,(MCS0)_4TX

25/12/2019

5190MHz_TX



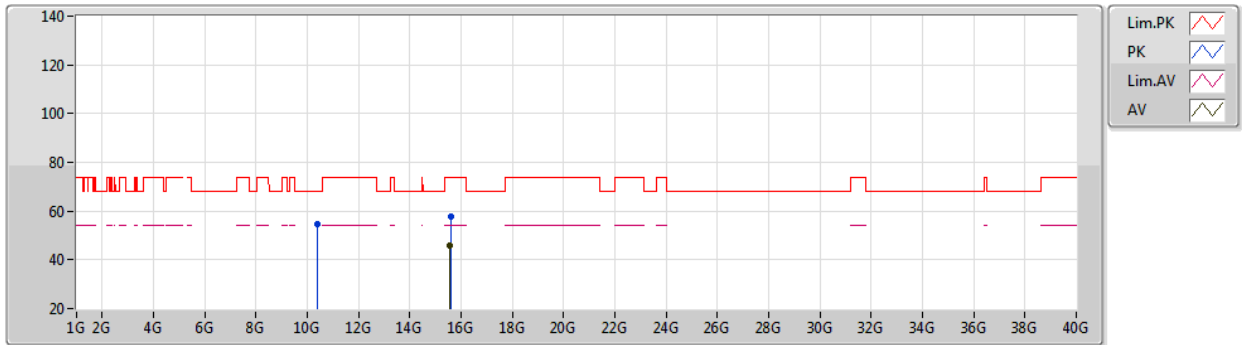
EUT Y_4TX
04-F-Z-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.3905G	54.22	68.20	-13.98	42.47	3	Vertical	44	2.69	-	38.91	6.83	33.99
PK	15.5452G	58.05	74.00	-15.95	45.13	3	Vertical	140	2.19	-	39.10	9.24	35.42
AV	15.5904G	45.86	54.00	-8.14	32.97	3	Vertical	140	2.19	-	39.05	9.27	35.43

802.11ax HEW40_Nss1,(MCS0)_4TX

25/12/2019

5190MHz_TX



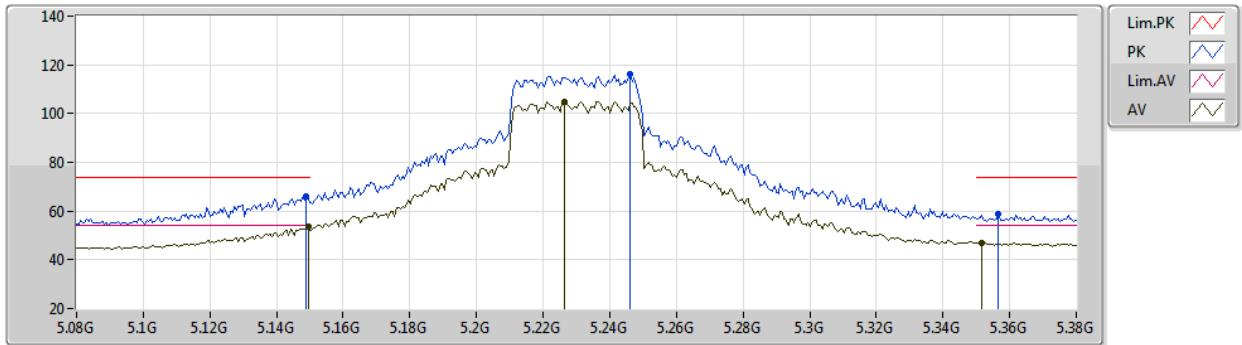
EUT Y_4TX
04-F-Z-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.3901G	54.57	68.20	-13.63	42.82	3	Horizontal	239	1.01	-	38.91	6.83	33.99
PK	15.5858G	57.92	74.00	-16.08	45.02	3	Horizontal	56	2.27	-	39.06	9.27	35.43
AV	15.5652G	45.83	54.00	-8.17	32.93	3	Horizontal	56	2.27	-	39.08	9.25	35.43

802.11ax HEW40_Nss1,(MCS0)_4TX

25/12/2019

5230MHz_TX



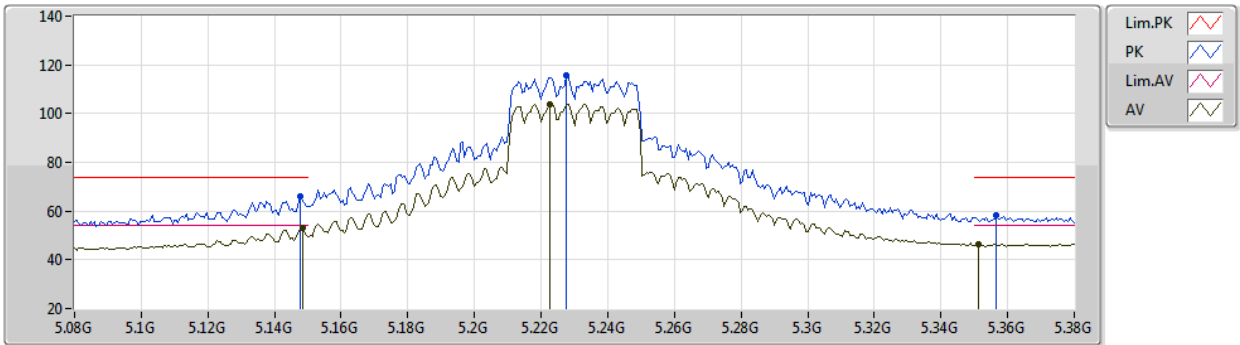
EUT Y_4TX
04-F-Z-1-10

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	5.149G	65.90	74.00	-8.10	61.76	3	Vertical	301	1.97	-	33.05	4.65	33.56
AV	5.1496G	53.75	54.00	-0.25	49.61	3	Vertical	301	1.97	-	33.05	4.65	33.56
PK	5.2462G	116.16	Inf	-Inf	111.95	3	Vertical	301	1.97	-	33.15	4.62	33.56
AV	5.2264G	105.01	Inf	-Inf	100.83	3	Vertical	301	1.97	-	33.13	4.61	33.56
PK	5.3566G	58.96	74.00	-15.04	54.48	3	Vertical	301	1.97	-	33.37	4.68	33.57
AV	5.3518G	47.11	54.00	-6.89	42.64	3	Vertical	301	1.97	-	33.36	4.68	33.57

802.11ax HEW40_Nss1,(MCS0)_4TX

25/12/2019

5230MHz_TX



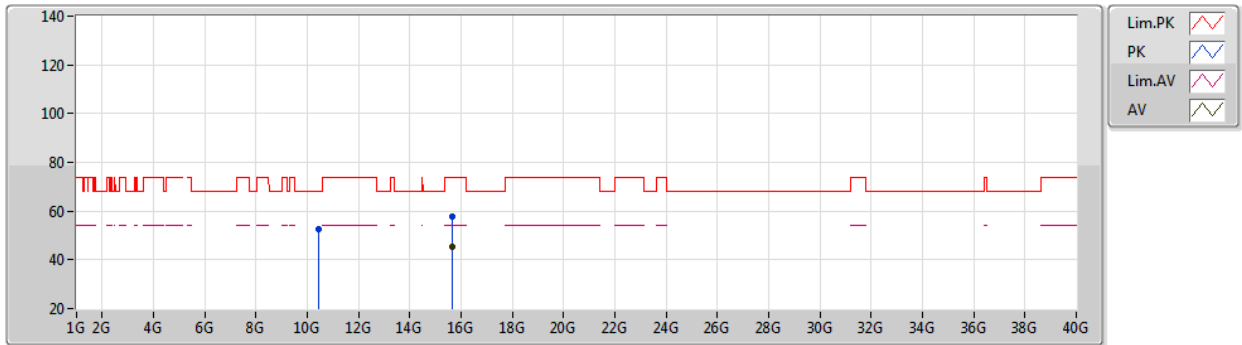
EUT Y_4TX
04-F-Z-1-10

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	66.00	74.00	-8.00	61.86	3	Horizontal	170	1.84	-	33.05	4.65	33.56
AV	5.1484G	53.08	54.00	-0.92	48.94	3	Horizontal	170	1.84	-	33.05	4.65	33.56
PK	5.2276G	115.59	Inf	-Inf	111.41	3	Horizontal	170	1.84	-	33.13	4.61	33.56
AV	5.2228G	103.93	Inf	-Inf	99.76	3	Horizontal	170	1.84	-	33.12	4.61	33.56
PK	5.3566G	58.19	74.00	-15.81	53.71	3	Horizontal	170	1.84	-	33.37	4.68	33.57
AV	5.3512G	46.58	54.00	-7.42	42.12	3	Horizontal	170	1.84	-	33.35	4.68	33.57

802.11ax HEW40_Nss1,(MCS0)_4TX

25/12/2019

5230MHz_TX



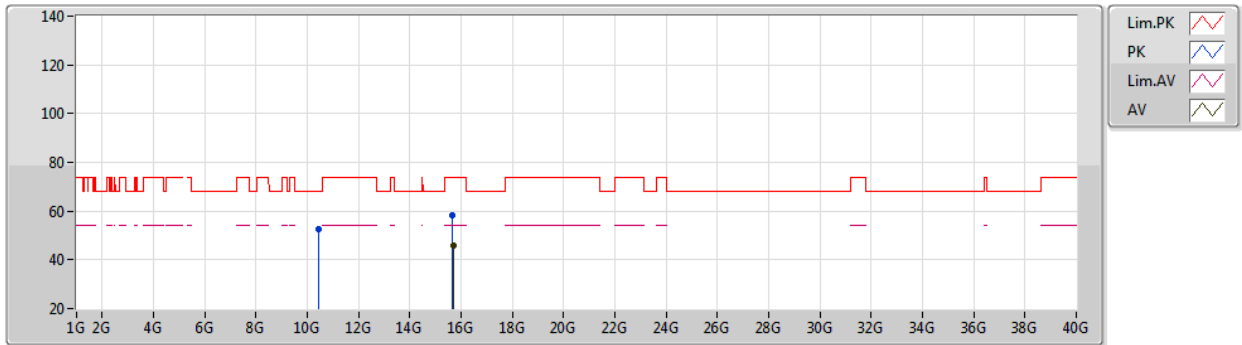
EUT Y_4TX
04-F-Z-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.4385G	52.65	68.20	-15.55	40.86	3	Vertical	299	2.87	-	38.95	6.86	34.02
PK	15.6778G	57.67	74.00	-16.33	44.84	3	Vertical	104	2.02	-	38.95	9.34	35.46
AV	15.68G	45.49	54.00	-8.51	32.66	3	Vertical	104	2.02	-	38.95	9.34	35.46

802.11ax HEW40_Nss1,(MCS0)_4TX

25/12/2019

5230MHz_TX



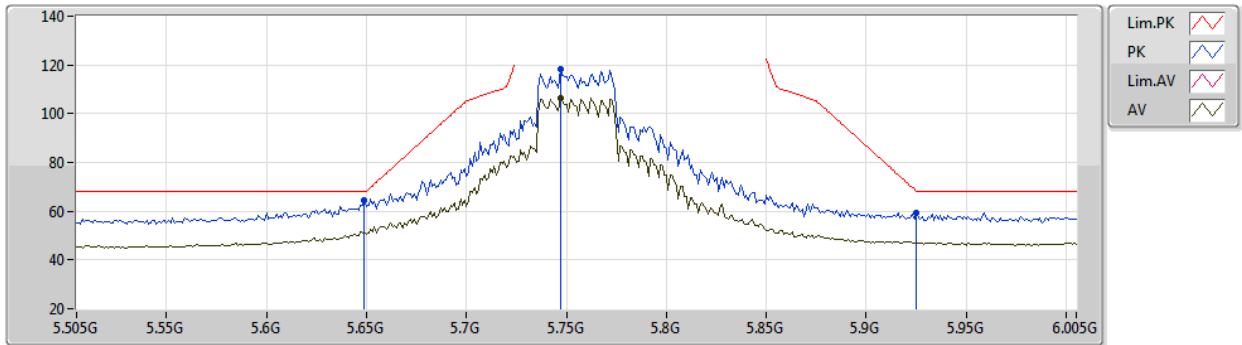
EUT Y_4TX
04-F-Z-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.456G	52.83	68.20	-15.37	41.03	3	Horizontal	189	1.98	-	38.96	6.87	34.03
PK	15.6799G	58.08	74.00	-15.92	45.25	3	Horizontal	149	1.92	-	38.95	9.34	35.46
AV	15.688G	45.76	54.00	-8.24	32.93	3	Horizontal	149	1.92	-	38.94	9.35	35.46

802.11ax HEW40_Nss1,(MCS0)_4TX

25/12/2019

5755MHz_TX



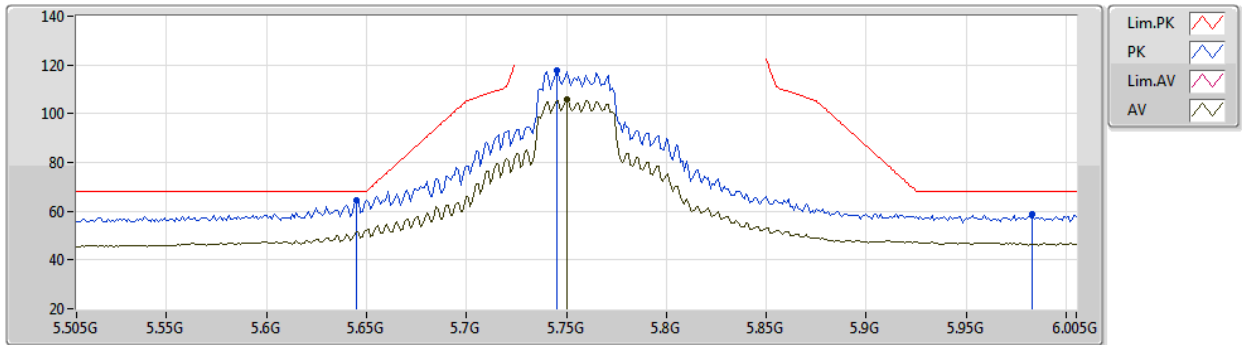
EUT Y_4TX
04-F-Z-1-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.649G	64.33	68.20	-3.87	58.92	3	Vertical	4	1.80	-	34.05	4.98	33.62
PK	5.747G	118.21	Inf	-Inf	112.73	3	Vertical	4	1.80	-	34.19	4.93	33.64
AV	5.747G	106.31	Inf	-Inf	100.83	3	Vertical	4	1.80	-	34.19	4.93	33.64
PK	5.925G	59.29	68.20	-8.91	53.02	3	Vertical	4	1.80	-	35.00	4.96	33.69

802.11ax HEW40_Nss1,(MCS0)_4TX

25/12/2019

5755MHz_TX



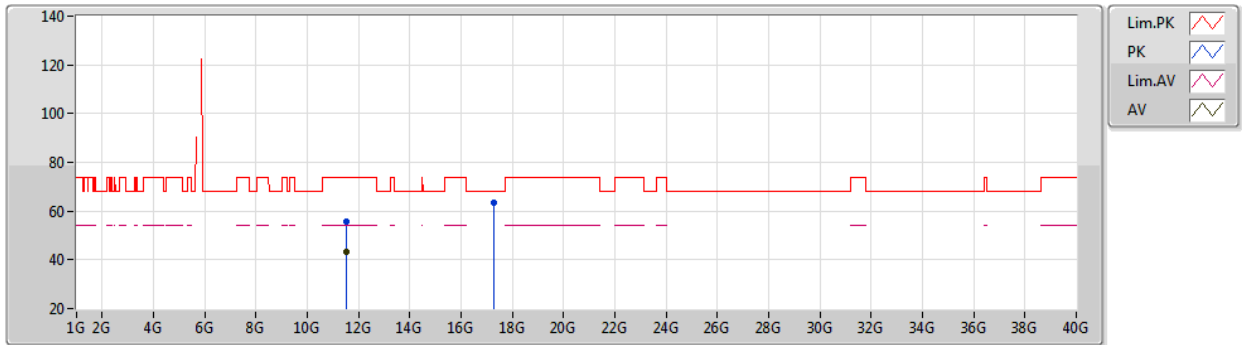
EUT Y_4TX
04-F-Z-1-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.645G	64.54	68.20	-3.66	59.13	3	Horizontal	5	1.80	-	34.05	4.98	33.62
PK	5.745G	117.73	Inf	-Inf	112.25	3	Horizontal	5	1.80	-	34.19	4.93	33.64
AV	5.75G	105.95	Inf	-Inf	100.46	3	Horizontal	5	1.80	-	34.20	4.93	33.64
PK	5.983G	58.64	68.20	-9.56	52.12	3	Horizontal	5	1.80	-	35.23	4.99	33.70

802.11ax HEW40_Nss1,(MCS0)_4TX

25/12/2019

5755MHz_TX



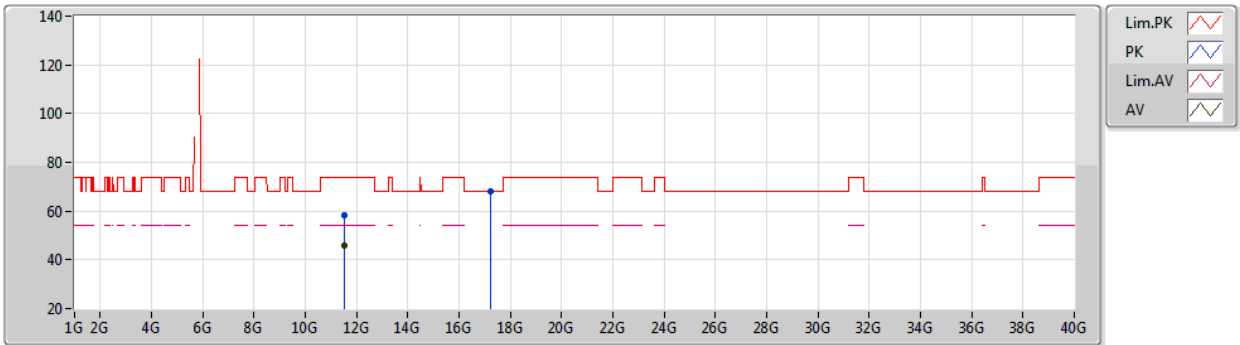
EUT Y_4TX
04-F-Z-1

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	11.5101G	55.70	74.00	-18.30	44.10	3	Vertical	108	2.86	-	39.14	7.25	34.79
AV	11.5148G	43.18	54.00	-10.82	31.58	3	Vertical	108	2.86	-	39.14	7.25	34.79
PK	17.2568G	63.24	68.20	-4.96	47.81	3	Vertical	258	1.50	-	41.03	9.90	35.50

802.11ax HEW40_Nss1,(MCS0)_4TX

25/12/2019

5755MHz_TX



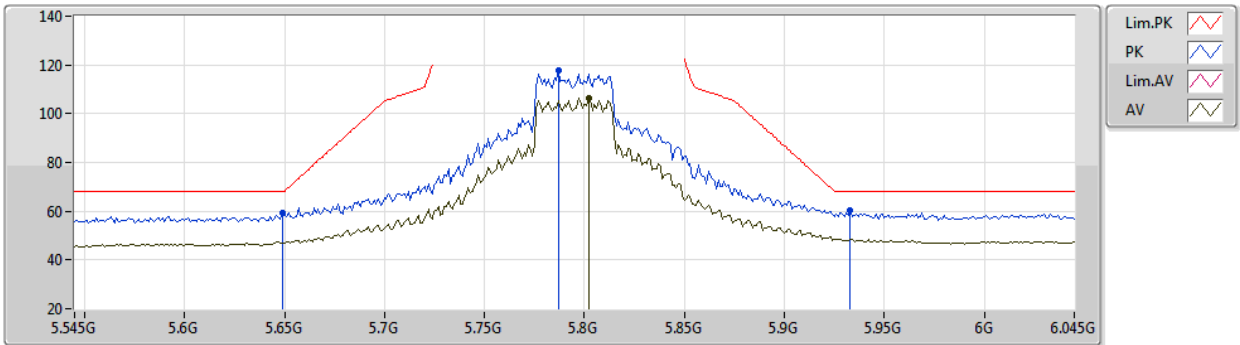
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04-F-Z-1

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	11.5087G	58.16	74.00	-15.84	46.55	3	Horizontal	242	1.68	-	39.15	7.25	34.79
AV	11.5097G	45.73	54.00	-8.27	34.12	3	Horizontal	242	1.68	-	39.15	7.25	34.79
PK	17.253G	67.93	68.20	-0.27	52.50	3	Horizontal	223	2.46	-	41.03	9.90	35.50

802.11ax HEW40_Nss1,(MCS0)_4TX

25/12/2019

5795MHz_TX



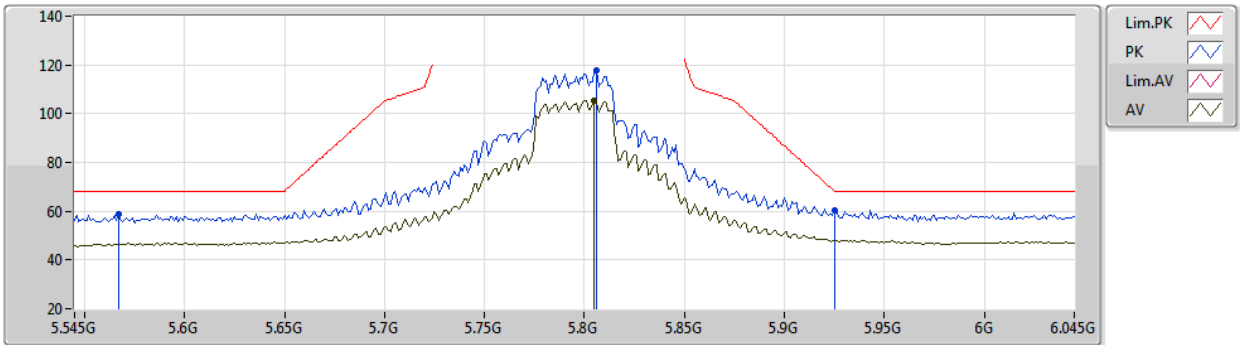
EUT Y_4TX
04-F-Z-1-10

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	59.11	68.20	-9.09	53.70	3	Vertical	228	1.31	-	34.05	4.98	33.62
PK	5.787G	117.60	Inf	-Inf	112.08	3	Vertical	228	1.31	-	34.27	4.91	33.66
AV	5.802G	106.40	Inf	-Inf	100.85	3	Vertical	228	1.31	-	34.31	4.90	33.66
PK	5.933G	60.16	68.20	-8.04	53.85	3	Vertical	228	1.31	-	35.03	4.97	33.69

802.11ax HEW40_Nss1,(MCS0)_4TX

25/12/2019

5795MHz_TX



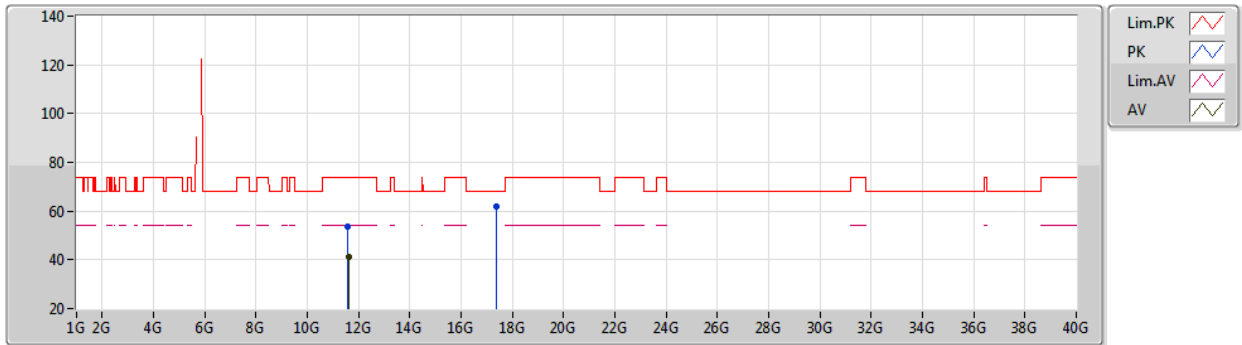
EUT Y_4TX
04-F-Z-1-10

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	5.567G	58.88	68.20	-9.32	53.62	3	Horizontal	13	1.68	-	33.93	4.93	33.60
PK	5.806G	117.51	Inf	-Inf	111.93	3	Horizontal	13	1.68	-	34.34	4.90	33.66
AV	5.805G	105.53	Inf	-Inf	99.96	3	Horizontal	13	1.68	-	34.33	4.90	33.66
PK	5.925G	60.58	68.20	-7.62	54.31	3	Horizontal	13	1.68	-	35.00	4.96	33.69

802.11ax HEW40_Nss1,(MCS0)_4TX

25/12/2019

5795MHz_TX



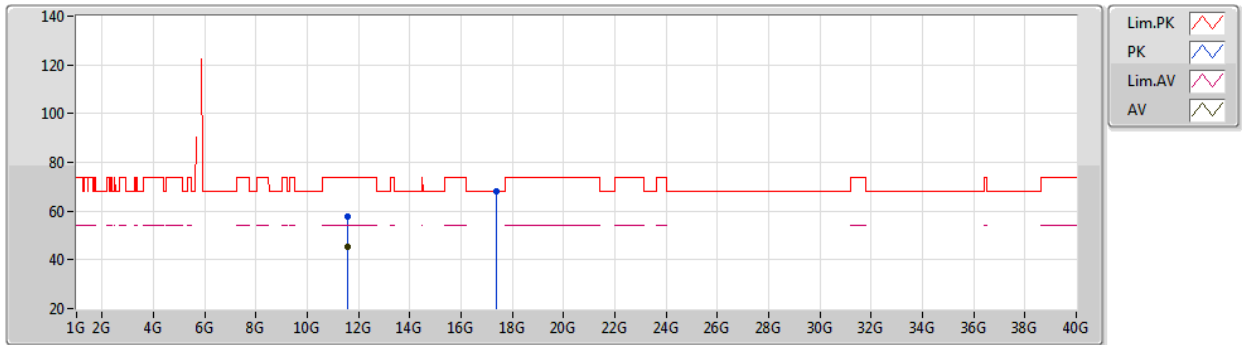
EUT Y_4TX
04-F-Z-1

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	11.5912G	53.52	74.00	-20.48	42.01	3	Vertical	42	1.16	-	39.10	7.26	34.85
AV	11.6011G	41.26	54.00	-12.74	29.75	3	Vertical	42	1.16	-	39.10	7.26	34.85
PK	17.3824G	62.08	68.20	-6.12	46.46	3	Vertical	260	1.80	-	41.14	9.95	35.47

802.11ax HEW40_Nss1,(MCS0)_4TX

25/12/2019

5795MHz_TX



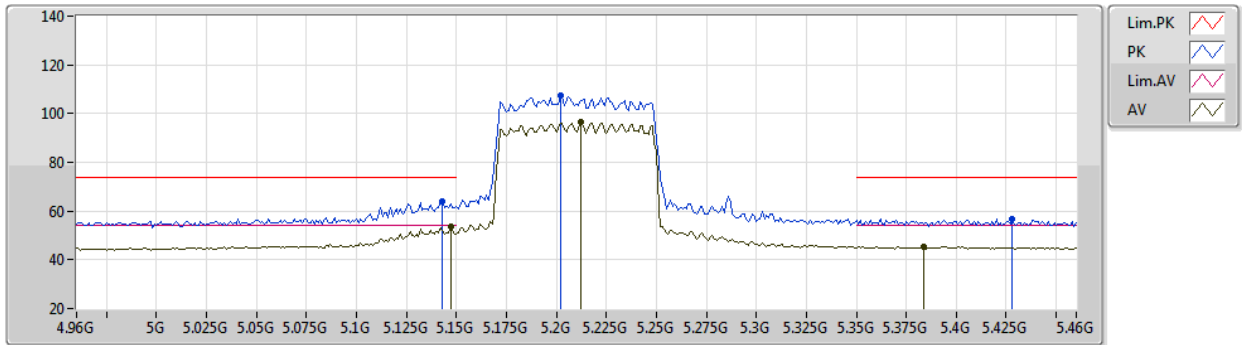
EUT Y_4TX
04-F-Z-1

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	11.5895G	57.57	74.00	-16.43	46.05	3	Horizontal	39	1.72	-	39.11	7.26	34.85
AV	11.5901G	45.58	54.00	-8.42	34.07	3	Horizontal	39	1.72	-	39.10	7.26	34.85
PK	17.3732G	68.11	68.20	-0.09	52.49	3	Horizontal	223	1.96	-	41.14	9.95	35.47

802.11ax HEW80_Nss1,(MCS0)_4TX

25/12/2019

5210MHz_TX



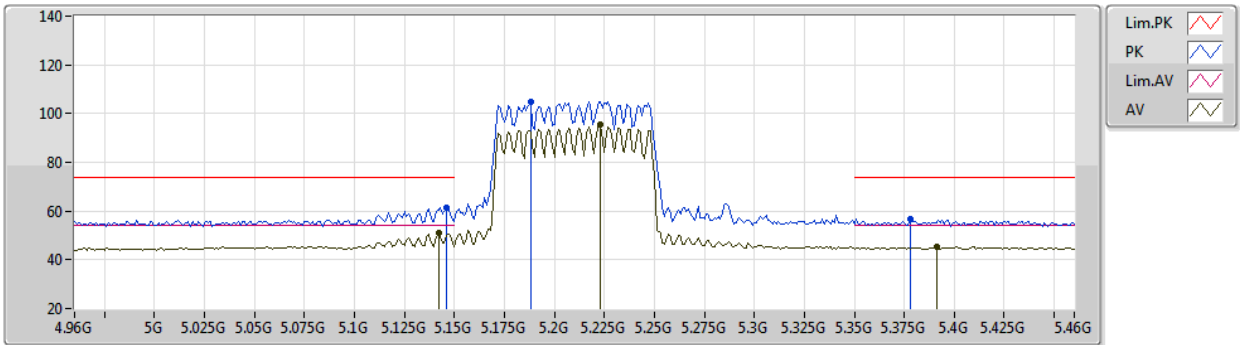
EUT Y_4TX
04-F-Z-1-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.143G	63.97	74.00	-10.03	59.84	3	Vertical	130	1.48	-	33.04	4.65	33.56
AV	5.147G	53.72	54.00	-0.28	49.58	3	Vertical	130	1.48	-	33.05	4.65	33.56
PK	5.202G	107.33	Inf	-Inf	103.19	3	Vertical	130	1.48	-	33.10	4.60	33.56
AV	5.212G	96.45	Inf	-Inf	92.29	3	Vertical	130	1.48	-	33.11	4.61	33.56
PK	5.428G	56.67	74.00	-17.33	51.93	3	Vertical	130	1.48	-	33.58	4.73	33.57
AV	5.384G	45.60	54.00	-8.40	41.03	3	Vertical	130	1.48	-	33.45	4.69	33.57

802.11ax HEW80_Nss1,(MCS0)_4TX

25/12/2019

5210MHz_TX



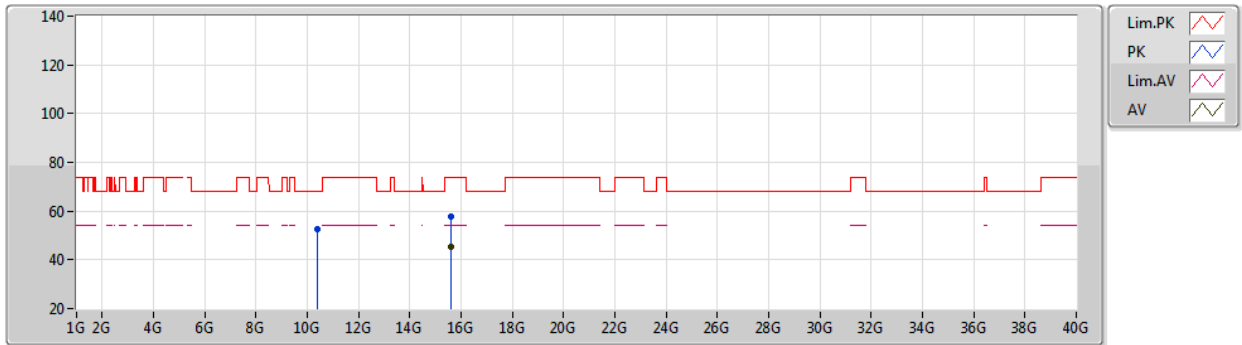
EUT Y_4TX
04-F-Z-1-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.146G	61.47	74.00	-12.53	57.33	3	Horizontal	66	1.24	-	33.05	4.65	33.56
AV	5.142G	51.00	54.00	-3.00	46.87	3	Horizontal	66	1.24	-	33.04	4.65	33.56
PK	5.188G	104.87	Inf	-Inf	100.73	3	Horizontal	66	1.24	-	33.09	4.61	33.56
AV	5.223G	95.61	Inf	-Inf	91.44	3	Horizontal	66	1.24	-	33.12	4.61	33.56
PK	5.378G	56.51	74.00	-17.49	51.96	3	Horizontal	66	1.24	-	33.43	4.69	33.57
AV	5.391G	45.17	54.00	-8.83	40.57	3	Horizontal	66	1.24	-	33.47	4.70	33.57

802.11ax HEW80_Nss1,(MCS0)_4TX

25/12/2019

5210MHz_TX



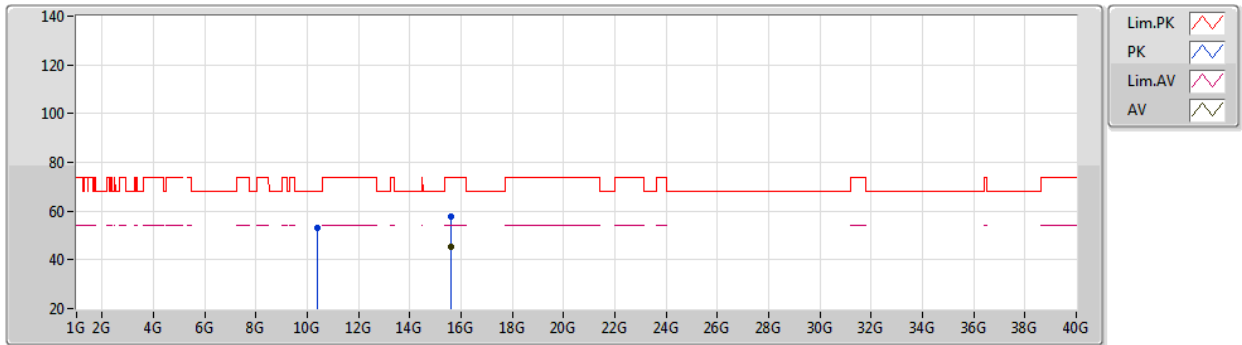
EUT Y_4TX
04-F-Z-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.4057G	52.65	68.20	-15.55	40.89	3	Vertical	183	1.35	-	38.92	6.84	34.00
PK	15.6304G	57.89	74.00	-16.11	45.02	3	Vertical	29	2.80	-	39.01	9.30	35.44
AV	15.6237G	45.50	54.00	-8.50	32.63	3	Vertical	29	2.80	-	39.01	9.30	35.44

802.11ax HEW80_Nss1,(MCS0)_4TX

25/12/2019

5210MHz_TX



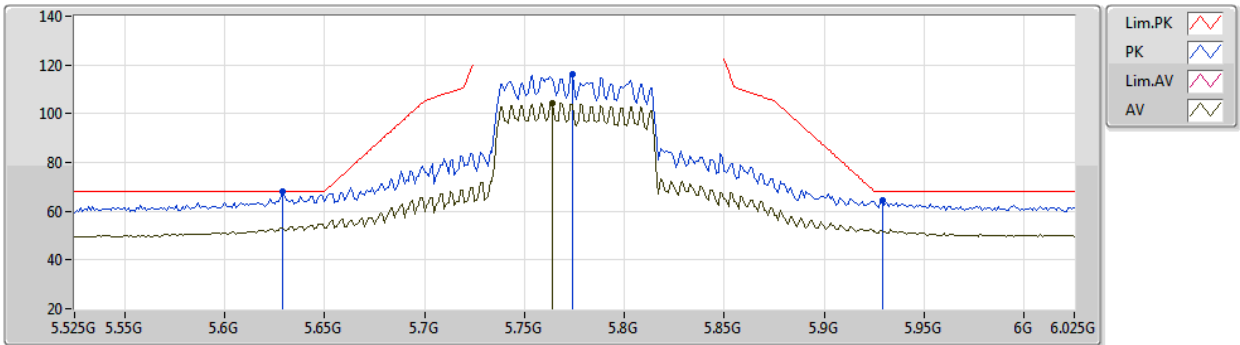
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04-F-Z-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.3989G	53.06	68.20	-15.14	41.30	3	Horizontal	102	2.84	-	38.92	6.84	34.00
PK	15.6054G	57.85	74.00	-16.15	44.98	3	Horizontal	228	2.73	-	39.03	9.28	35.44
AV	15.6052G	45.40	54.00	-8.60	32.53	3	Horizontal	228	2.73	-	39.03	9.28	35.44

802.11ax HEW80_Nss1,(MCS0)_4TX

25/12/2019

5775MHz_TX



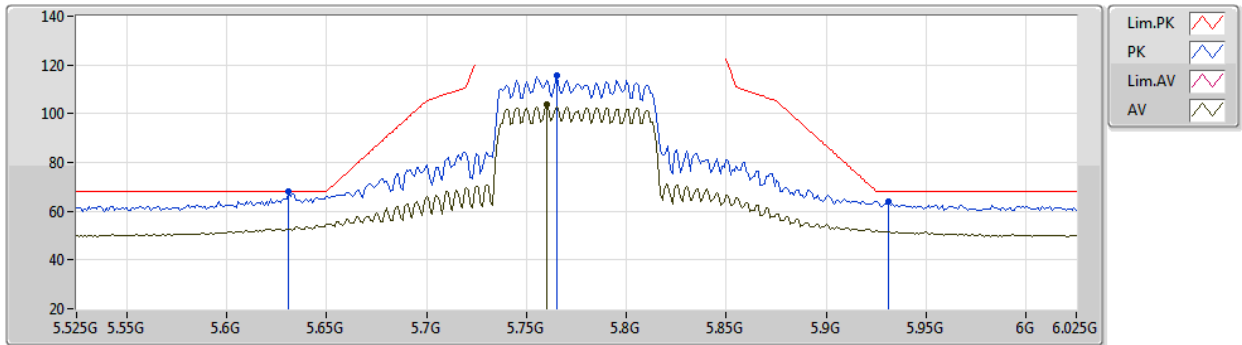
EUT Y_4TX
04-F-Z-1-10

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	5.629G	67.98	68.20	-0.22	58.23	3	Vertical	311	2.48	-	33.98	6.31	30.54
PK	5.774G	116.12	Inf	-Inf	106.24	3	Vertical	311	2.48	-	34.06	6.39	30.57
AV	5.764G	104.56	Inf	-Inf	94.69	3	Vertical	311	2.48	-	34.06	6.38	30.57
PK	5.929G	64.37	68.20	-3.83	54.49	3	Vertical	311	2.48	-	34.16	6.34	30.62

802.11ax HEW80_Nss1,(MCS0)_4TX

25/12/2019

5775MHz_TX

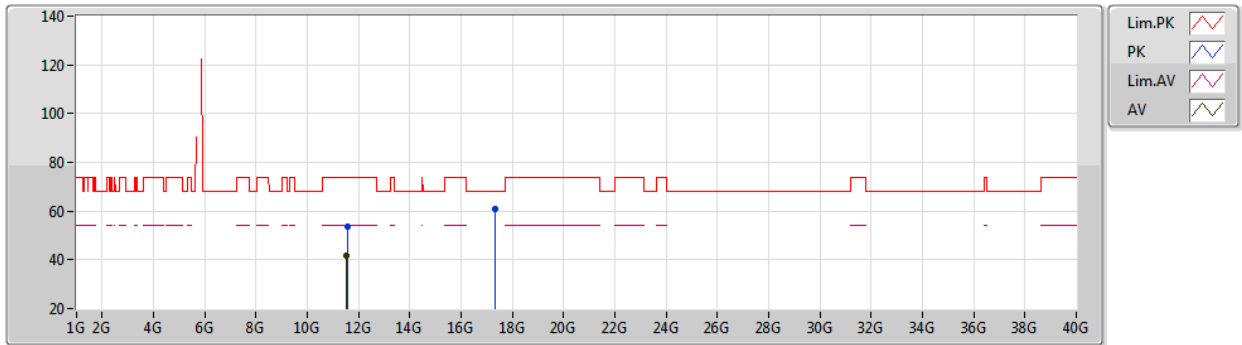

EUT Y_4TX
04-F-Z-1-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.631G	67.85	68.20	-0.35	58.09	3	Horizontal	4	1.42	-	33.98	6.32	30.54
PK	5.765G	115.70	Inf	-Inf	105.83	3	Horizontal	4	1.42	-	34.06	6.38	30.57
AV	5.76G	103.69	Inf	-Inf	93.82	3	Horizontal	4	1.42	-	34.06	6.38	30.57
PK	5.931G	64.07	68.20	-4.13	54.20	3	Horizontal	4	1.42	-	34.16	6.33	30.62

802.11ax HEW80_Nss1,(MCS0)_4TX

25/12/2019

5775MHz_TX



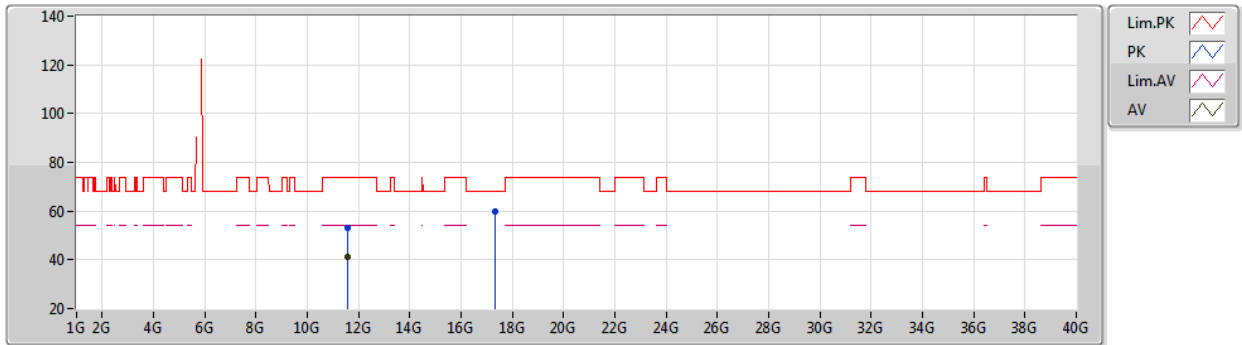
EUT Y_4TX
04-F-Z-1

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	11.54998G	53.65	74.00	-20.35	42.09	3	Vertical	185	2.68	-	39.13	7.25	34.82
AV	11.54794G	41.51	54.00	-12.49	29.95	3	Vertical	185	2.68	-	39.13	7.25	34.82
PK	17.32442G	60.62	68.20	-7.58	45.08	3	Vertical	92	2.72	-	41.09	9.93	35.48

802.11ax HEW80_Nss1,(MCS0)_4TX

25/12/2019

5775MHz_TX



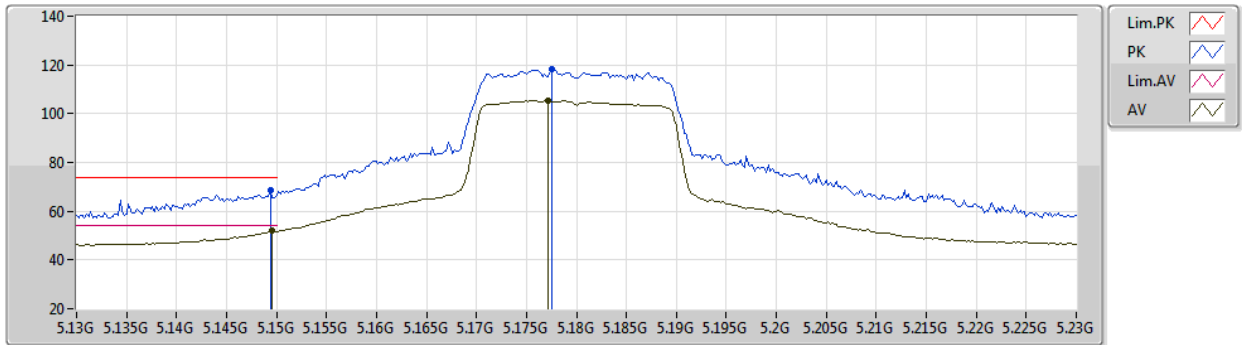
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04-F-Z-1

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	11.54988G	53.15	74.00	-20.85	41.59	3	Horizontal	339	2.02	-	39.13	7.25	34.82
AV	11.54997G	41.22	54.00	-12.78	29.66	3	Horizontal	339	2.02	-	39.13	7.25	34.82
PK	17.32472G	59.93	68.20	-8.27	44.39	3	Horizontal	309	2.16	-	41.09	9.93	35.48

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5180MHz_TX



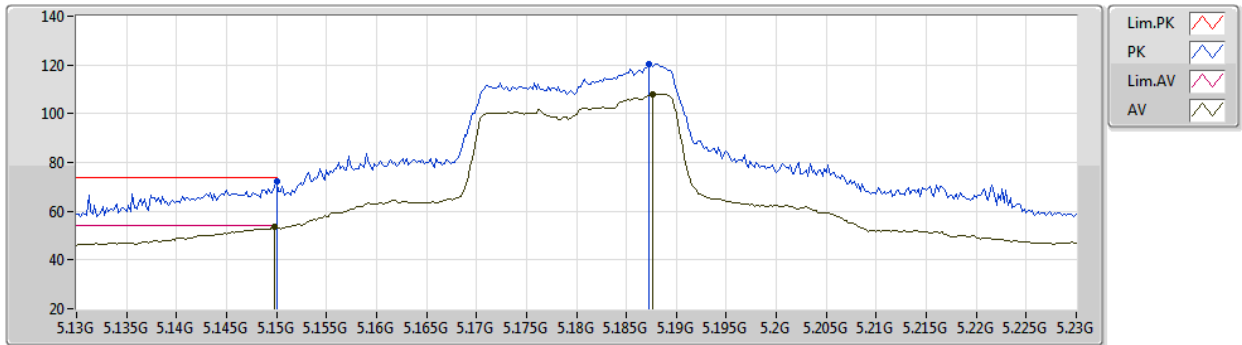
EUT Y_4TX
04-F-Z-1-10

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	68.42	74.00	-5.58	64.28	3	Vertical	193	1.90	-	33.05	4.65	33.56
AV	5.1496G	51.84	54.00	-2.16	47.70	3	Vertical	193	1.90	-	33.05	4.65	33.56
PK	5.1776G	118.11	Inf	-Inf	113.97	3	Vertical	193	1.90	-	33.08	4.62	33.56
AV	5.1772G	105.28	Inf	-Inf	101.14	3	Vertical	193	1.90	-	33.08	4.62	33.56

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5180MHz_TX

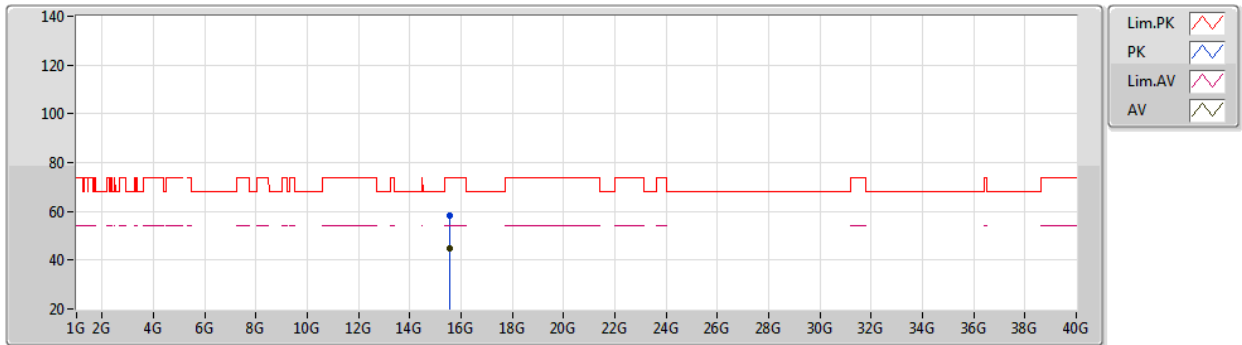

EUT Y_4TX
04-F-Z-1-10

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	72.14	74.00	-1.86	68.00	3	Horizontal	181	1.80	-	33.05	4.65	33.56
AV	5.1498G	53.82	54.00	-0.18	49.68	3	Horizontal	181	1.80	-	33.05	4.65	33.56
PK	5.1872G	120.31	Inf	-Inf	116.17	3	Horizontal	181	1.80	-	33.09	4.61	33.56
AV	5.1876G	107.99	Inf	-Inf	103.85	3	Horizontal	181	1.80	-	33.09	4.61	33.56

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5180MHz_TX



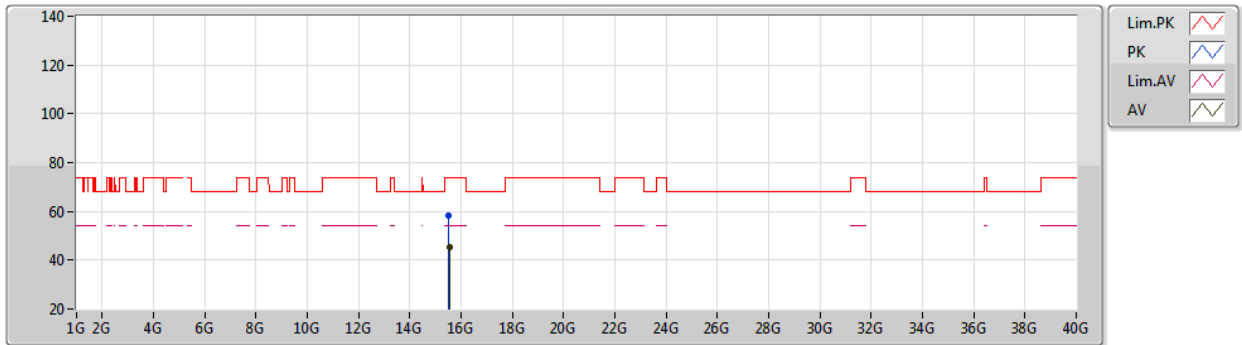
EUT Y_4TX
04-F-Z-1

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	15.5596G	58.52	74.00	-15.48	45.62	3	Vertical	360	2.22	-	39.08	9.25	35.43
AV	15.55824G	44.90	54.00	-9.10	31.99	3	Vertical	360	2.22	-	39.09	9.25	35.43

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5180MHz_TX



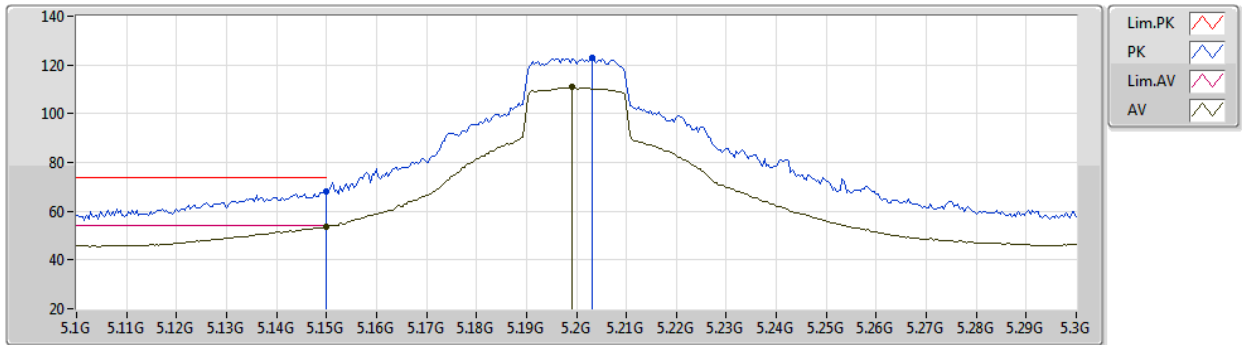
EUT Y_4TX
04-F-Z-1

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	15.52696G	58.47	74.00	-15.53	45.55	3	Horizontal	50	1.80	-	39.12	9.22	35.42
AV	15.5448G	45.20	54.00	-8.80	32.28	3	Horizontal	50	1.80	-	39.10	9.24	35.42

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5200MHz_TX



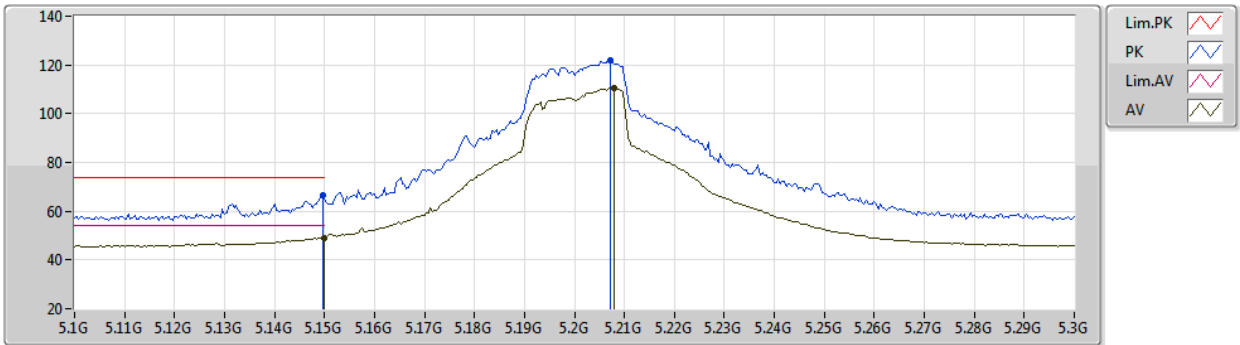
EUT Y_4TX
04-F-Z-1-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.15G	68.33	74.00	-5.67	64.19	3	Vertical	175	1.80	-	33.05	4.65	33.56
AV	5.15G	53.65	54.00	-0.35	49.51	3	Vertical	175	1.80	-	33.05	4.65	33.56
PK	5.2032G	122.91	Inf	-Inf	118.77	3	Vertical	175	1.80	-	33.10	4.60	33.56
AV	5.1992G	110.78	Inf	-Inf	106.64	3	Vertical	175	1.80	-	33.10	4.60	33.56

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5200MHz_TX



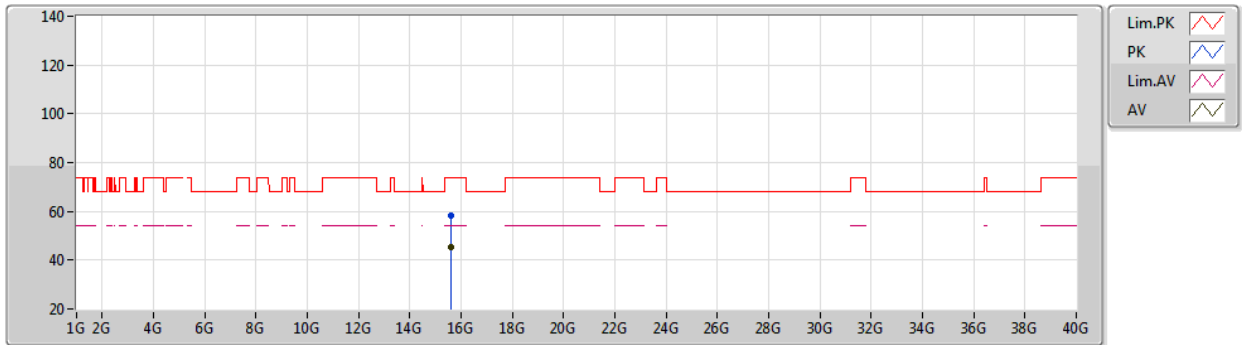
EUT Y_4TX
04-F-Z-1-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1496G	66.34	74.00	-7.66	62.20	3	Horizontal	69	1.98	-	33.05	4.65	33.56
AV	5.15G	49.18	54.00	-4.82	45.04	3	Horizontal	69	1.98	-	33.05	4.65	33.56
PK	5.2072G	122.08	Inf	-Inf	117.93	3	Horizontal	69	1.98	-	33.11	4.60	33.56
AV	5.208G	110.60	Inf	-Inf	106.45	3	Horizontal	69	1.98	-	33.11	4.60	33.56

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5200MHz_TX



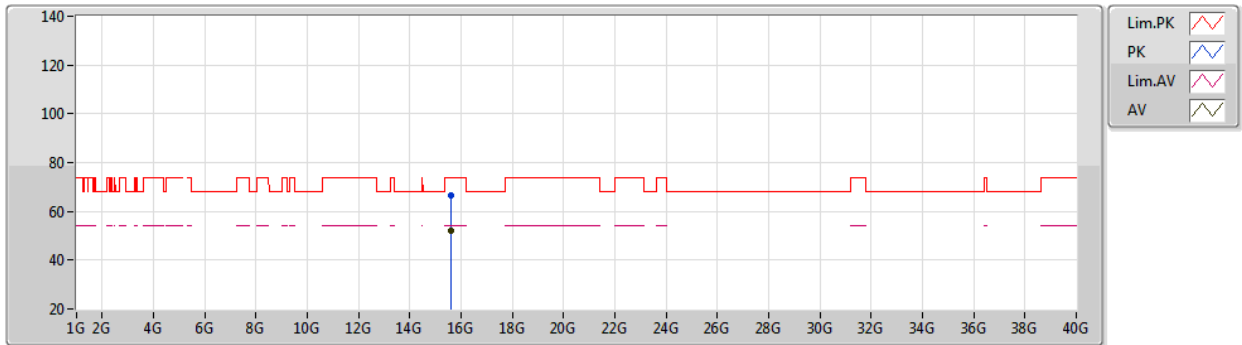
EUT Y_4TX
04-F-Z-1

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	15.5872G	58.19	74.00	-15.81	45.30	3	Vertical	282	1.80	-	39.05	9.27	35.43
AV	15.60808G	45.20	54.00	-8.80	32.32	3	Vertical	282	1.80	-	39.03	9.29	35.44

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5200MHz_TX



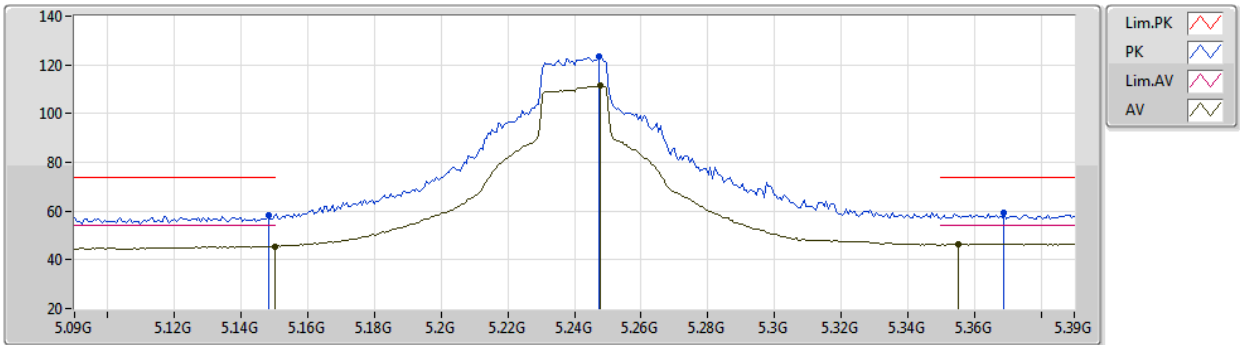
EUT Y_4TX
04-F-Z-1

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	15.6028G	66.76	74.00	-7.24	53.88	3	Horizontal	211	1.87	-	39.04	9.28	35.44	
AV	15.60232G	51.84	54.00	-2.16	38.96	3	Horizontal	211	1.87	-	39.04	9.28	35.44	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5240MHz_TX



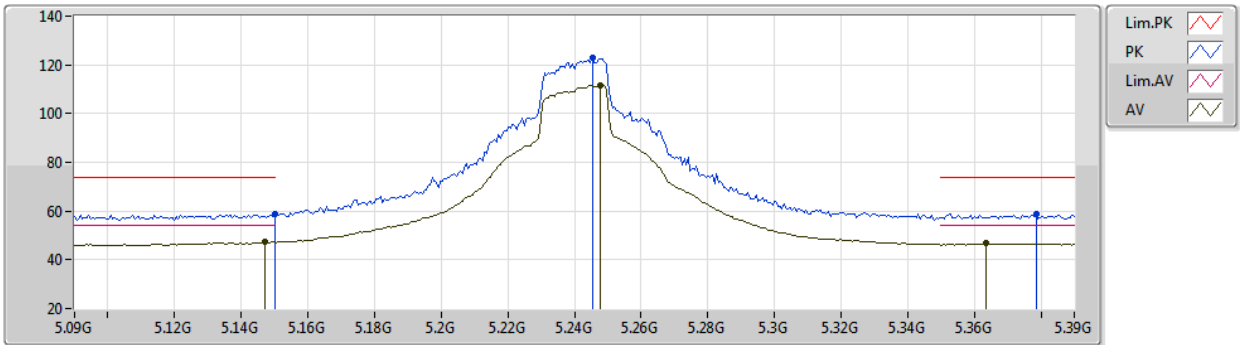
EUT Y_4TX
04-F-Z-1-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1482G	58.29	74.00	-15.71	54.15	3	Vertical	204	1.56	-	33.05	4.65	33.56
AV	5.15G	45.60	54.00	-8.40	41.46	3	Vertical	204	1.56	-	33.05	4.65	33.56
PK	5.2472G	123.39	Inf	-Inf	119.18	3	Vertical	204	1.56	-	33.15	4.62	33.56
AV	5.2478G	111.48	Inf	-Inf	107.27	3	Vertical	204	1.56	-	33.15	4.62	33.56
PK	5.369G	59.33	74.00	-14.67	54.81	3	Vertical	204	1.56	-	33.41	4.68	33.57
AV	5.3552G	46.60	54.00	-7.40	42.12	3	Vertical	204	1.56	-	33.37	4.68	33.57

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5240MHz_TX

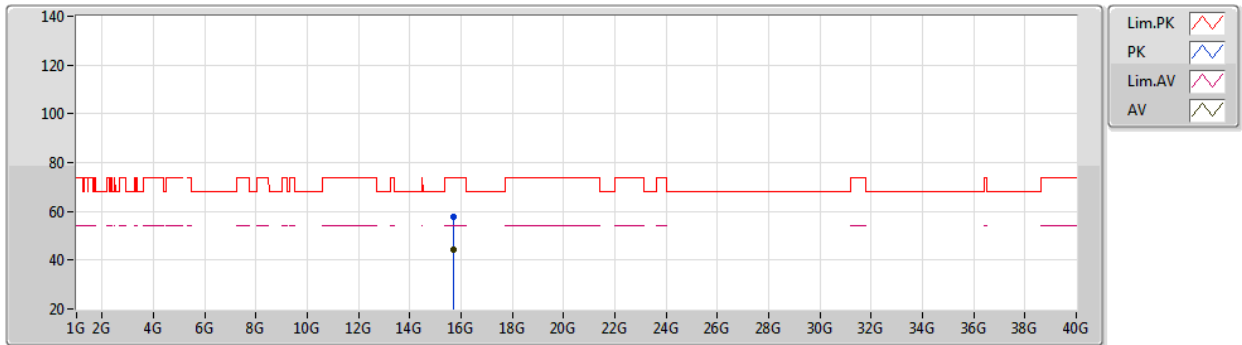

EUT Y_4TX
04-F-Z-1-10

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	58.81	74.00	-15.19	54.67	3	Horizontal	167	2.40	-	33.05	4.65	33.56
AV	5.147G	47.22	54.00	-6.78	43.08	3	Horizontal	167	2.40	-	33.05	4.65	33.56
PK	5.2454G	122.70	Inf	-Inf	118.49	3	Horizontal	167	2.40	-	33.15	4.62	33.56
AV	5.2478G	111.69	Inf	-Inf	107.48	3	Horizontal	167	2.40	-	33.15	4.62	33.56
PK	5.3786G	58.83	74.00	-15.17	54.27	3	Horizontal	167	2.40	-	33.44	4.69	33.57
AV	5.3636G	46.67	54.00	-7.33	42.17	3	Horizontal	167	2.40	-	33.39	4.68	33.57

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5240MHz_TX



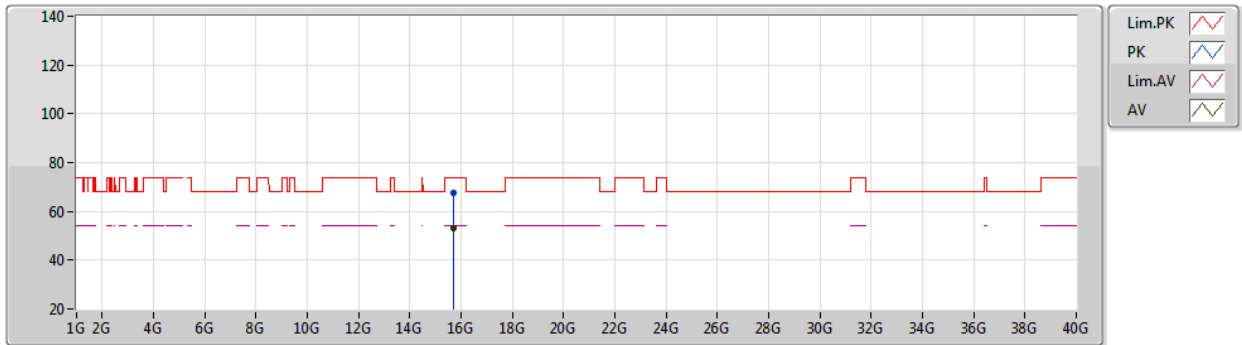
EUT Y_4TX
04-F-Z-1

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	15.71704G	57.60	74.00	-16.40	44.79	3	Vertical	18	2.87	-	38.91	9.37	35.47
AV	15.70056G	44.41	54.00	-9.59	31.58	3	Vertical	18	2.87	-	38.93	9.36	35.46

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5240MHz_TX



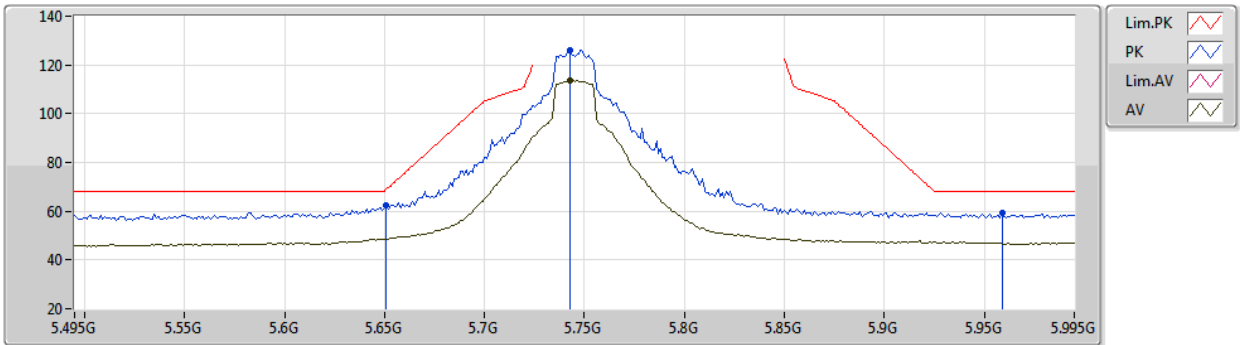
EUT Y_4TX
04-F-Z-1

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	15.71464G	67.76	74.00	-6.24	54.95	3	Horizontal	222	1.80	-	38.91	9.37	35.47	
AV	15.71648G	53.10	54.00	-0.90	40.29	3	Horizontal	222	1.80	-	38.91	9.37	35.47	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5745MHz_TX



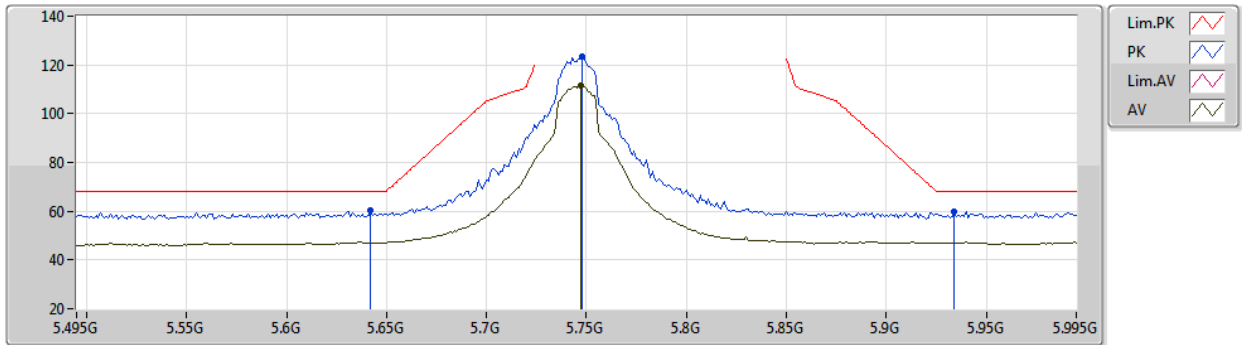
EUT Y_4TX
04-F-Z-1-10

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	5.651G	62.40	68.94	-6.54	57.00	3	Vertical	0	1.91	-	34.05	4.97	33.62
PK	5.743G	126.06	Inf	-Inf	120.58	3	Vertical	0	1.91	-	34.19	4.93	33.64
AV	5.743G	113.59	Inf	-Inf	108.11	3	Vertical	0	1.91	-	34.19	4.93	33.64
PK	5.959G	59.21	68.20	-8.99	52.79	3	Vertical	0	1.91	-	35.14	4.98	33.70

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5745MHz_TX



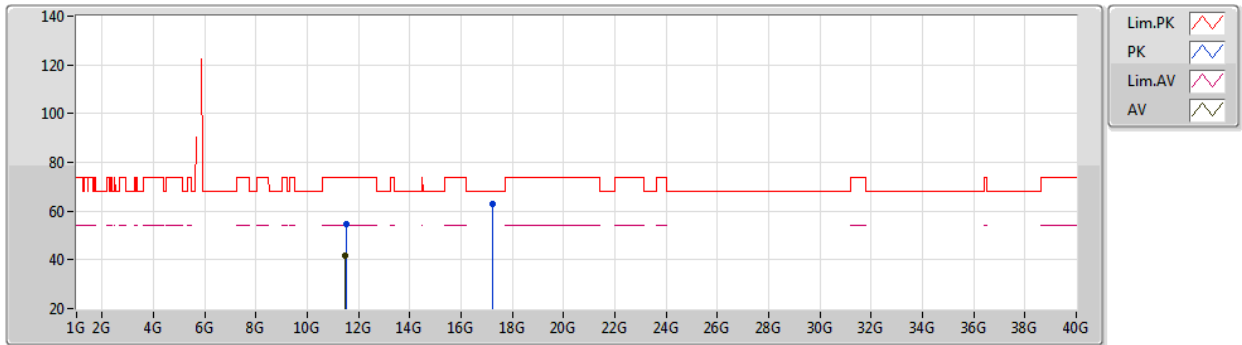
EUT Y_4TX
04-F-Z-1-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.642G	60.25	68.20	-7.95	54.85	3	Horizontal	173	1.82	-	34.04	4.98	33.62
PK	5.748G	123.41	Inf	-Inf	117.92	3	Horizontal	173	1.82	-	34.20	4.93	33.64
AV	5.747G	111.54	Inf	-Inf	106.06	3	Horizontal	173	1.82	-	34.19	4.93	33.64
PK	5.934G	59.87	68.20	-8.33	53.55	3	Horizontal	173	1.82	-	35.04	4.97	33.69

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5745MHz_TX



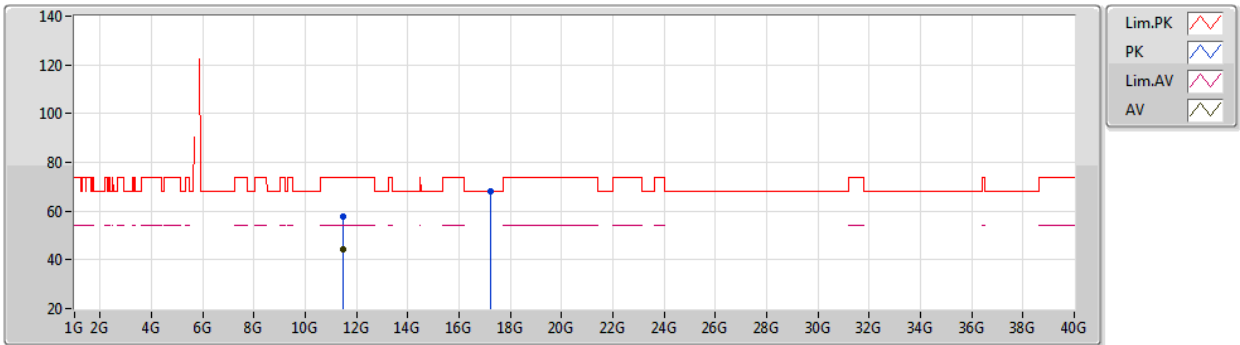
EUT Y_4TX
04-F-Z-1

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	11.50168G	54.45	74.00	-19.55	42.83	3	Vertical	105	3.00	-	39.15	7.25	34.78
AV	11.49056G	41.68	54.00	-12.32	30.05	3	Vertical	105	3.00	-	39.15	7.25	34.77
PK	17.21812G	62.93	68.20	-5.27	47.54	3	Vertical	255	1.80	-	41.00	9.89	35.50

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5745MHz_TX



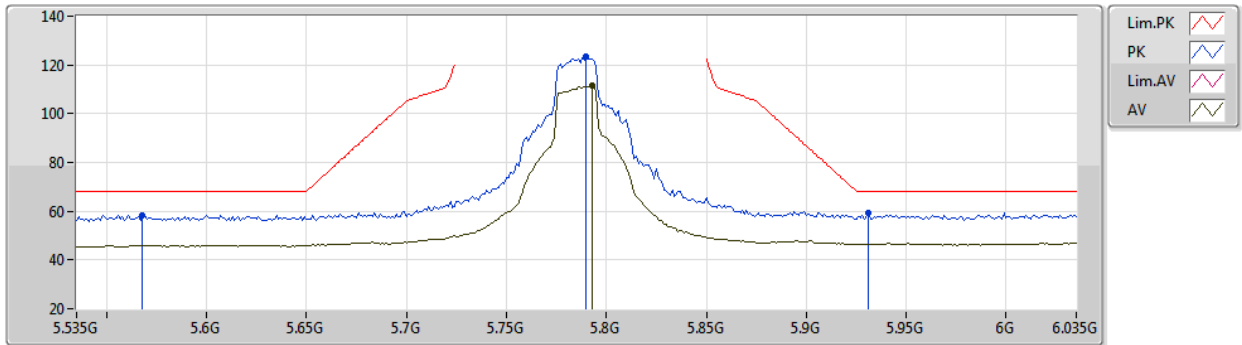
EUT Y_4TX
04-F-Z-1

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	11.48624G	57.90	74.00	-16.10	46.26	3	Horizontal	231	1.59	-	39.16	7.25	34.77
AV	11.48832G	44.45	54.00	-9.55	32.81	3	Horizontal	231	1.59	-	39.16	7.25	34.77
PK	17.245G	67.99	68.20	-0.21	52.57	3	Horizontal	35	1.76	-	41.02	9.90	35.50

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5785MHz_TX



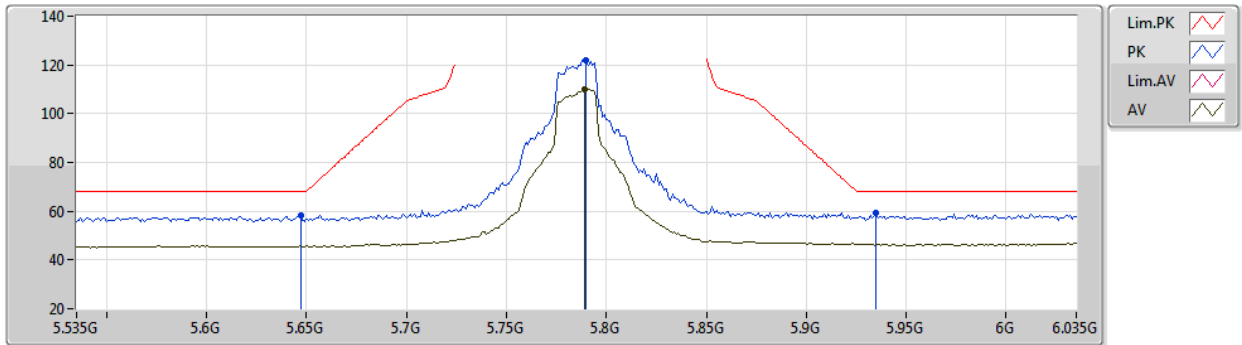
EUT Y_4TX
04-F-Z-1-10

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	5.568G	58.34	68.20	-9.86	53.06	3	Vertical	0	2.18	-	33.94	4.94	33.60
PK	5.79G	123.21	Inf	-Inf	117.68	3	Vertical	0	2.18	-	34.28	4.91	33.66
AV	5.793G	111.36	Inf	-Inf	105.83	3	Vertical	0	2.18	-	34.29	4.90	33.66
PK	5.931G	59.30	68.20	-8.90	53.00	3	Vertical	0	2.18	-	35.02	4.97	33.69

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5785MHz_TX



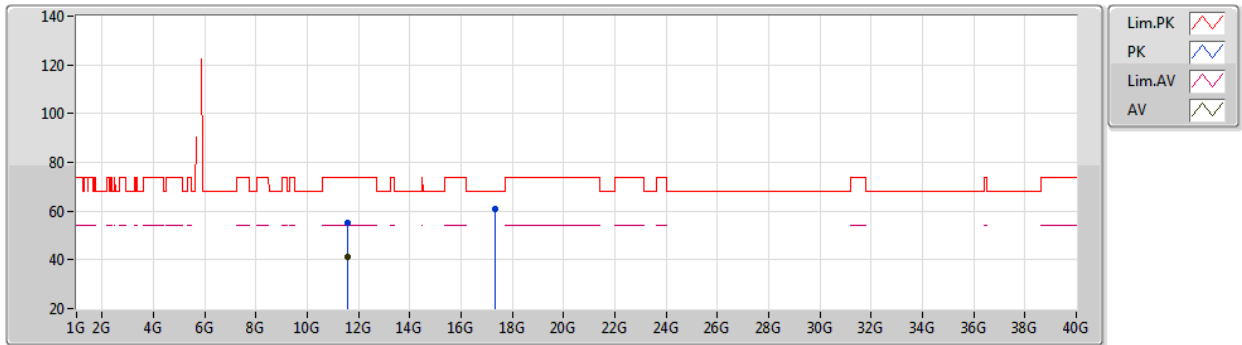
EUT Y_4TX
04-F-Z-1-10

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	58.29	68.20	-9.91	52.88	3	Horizontal	230	2.39	-	34.05	4.98	33.62
PK	5.79G	121.95	Inf	-Inf	116.42	3	Horizontal	230	2.39	-	34.28	4.91	33.66
AV	5.789G	109.86	Inf	-Inf	104.33	3	Horizontal	230	2.39	-	34.28	4.91	33.66
PK	5.935G	59.07	68.20	-9.13	52.75	3	Horizontal	230	2.39	-	35.04	4.97	33.69

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5785MHz_TX



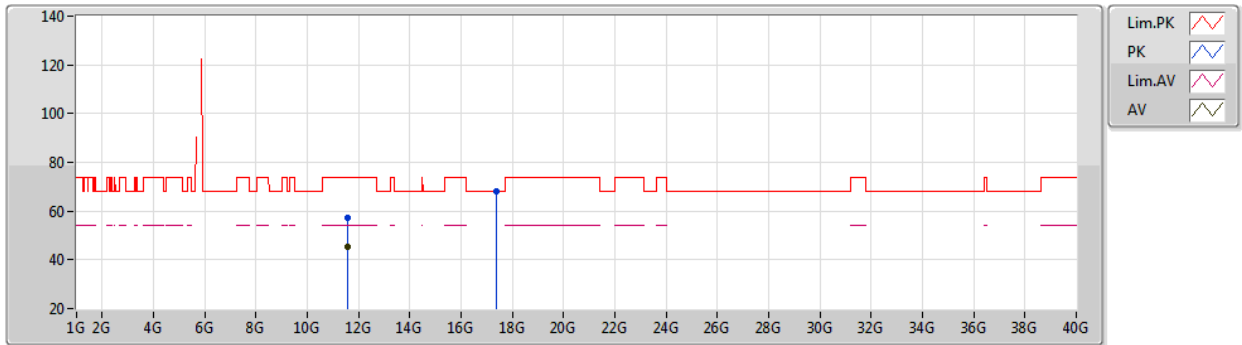
EUT Y_4TX
04-F-Z-1

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	11.57736G	55.18	74.00	-18.82	43.65	3	Vertical	93	1.73	-	39.11	7.26	34.84
AV	11.5524G	41.06	54.00	-12.94	29.50	3	Vertical	93	1.73	-	39.12	7.26	34.82
PK	17.34196G	60.79	68.20	-7.41	45.22	3	Vertical	253	1.80	-	41.11	9.94	35.48

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5785MHz_TX



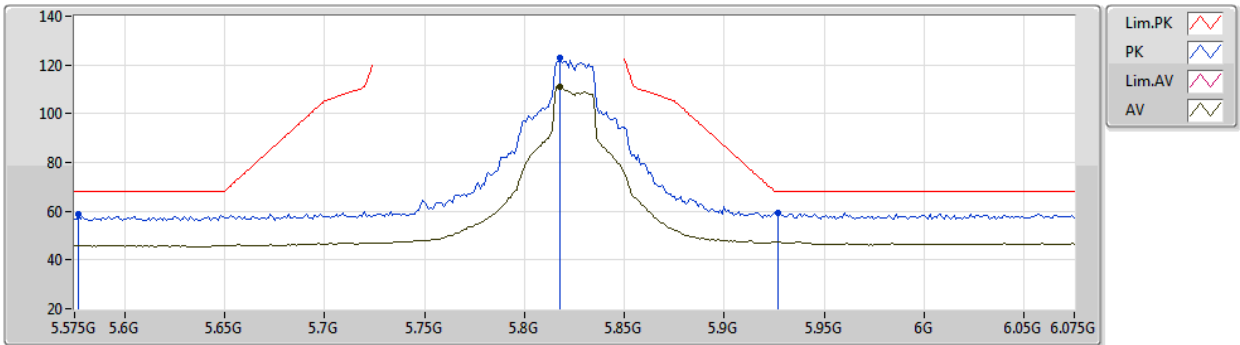
EUT Y_4TX
04-F-Z-1

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	11.569G	57.19	74.00	-16.81	45.64	3	Horizontal	238	1.80	-	39.12	7.26	34.83
AV	11.571G	45.10	54.00	-8.90	33.56	3	Horizontal	238	1.80	-	39.11	7.26	34.83
PK	17.36156G	67.97	68.20	-0.23	52.37	3	Horizontal	154	1.35	-	41.13	9.94	35.47

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5825MHz_TX



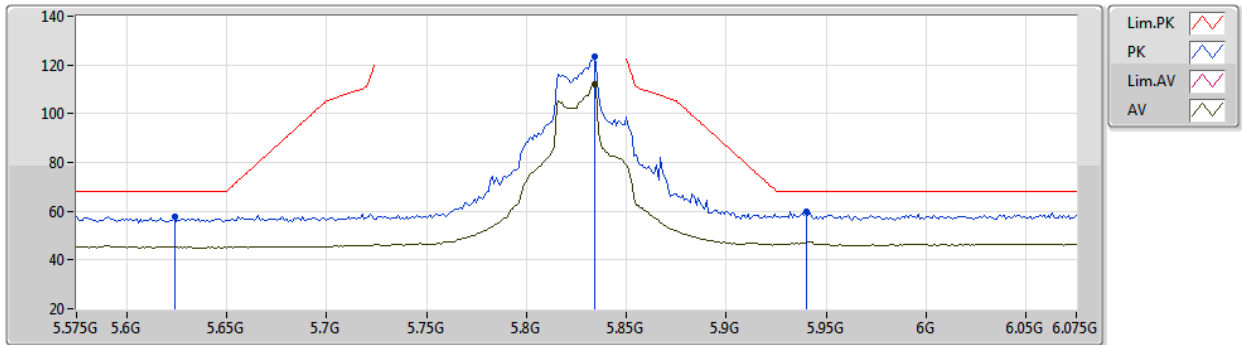
EUT Y_4TX
04-F-Z-1-10

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	5.577G	58.75	68.20	-9.45	53.45	3	Vertical	360	2.39	-	33.95	4.95	33.60
PK	5.818G	122.76	Inf	-Inf	117.10	3	Vertical	360	2.39	-	34.41	4.91	33.66
AV	5.818G	110.87	Inf	-Inf	105.21	3	Vertical	360	2.39	-	34.41	4.91	33.66
PK	5.927G	59.51	68.20	-8.69	53.23	3	Vertical	360	2.39	-	35.01	4.96	33.69

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5825MHz_TX



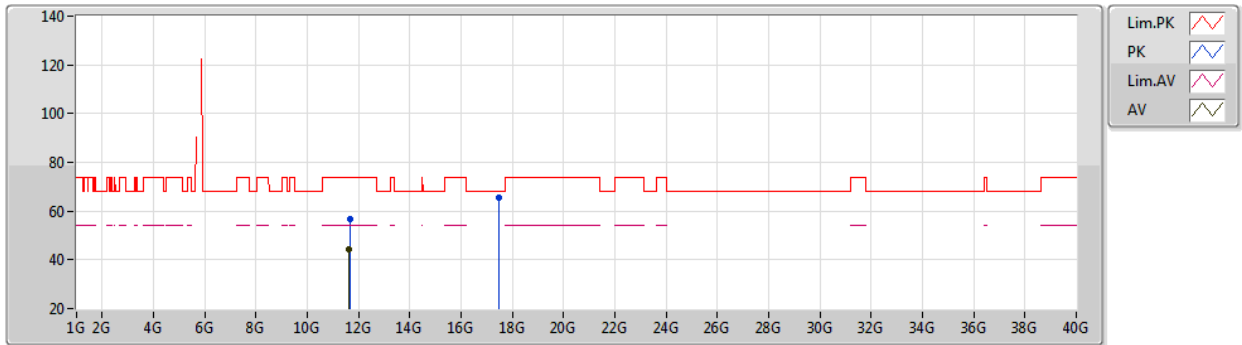
EUT Y_4TX
04-F-Z-1-10

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	57.92	68.20	-10.28	52.52	3	Horizontal	228	1.80	-	34.02	4.99	33.61
PK	5.834G	123.51	Inf	-Inf	117.76	3	Horizontal	228	1.80	-	34.50	4.92	33.67
AV	5.834G	112.15	Inf	-Inf	106.40	3	Horizontal	228	1.80	-	34.50	4.92	33.67
PK	5.94G	59.97	68.20	-8.23	53.63	3	Horizontal	228	1.80	-	35.06	4.97	33.69

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5825MHz_TX



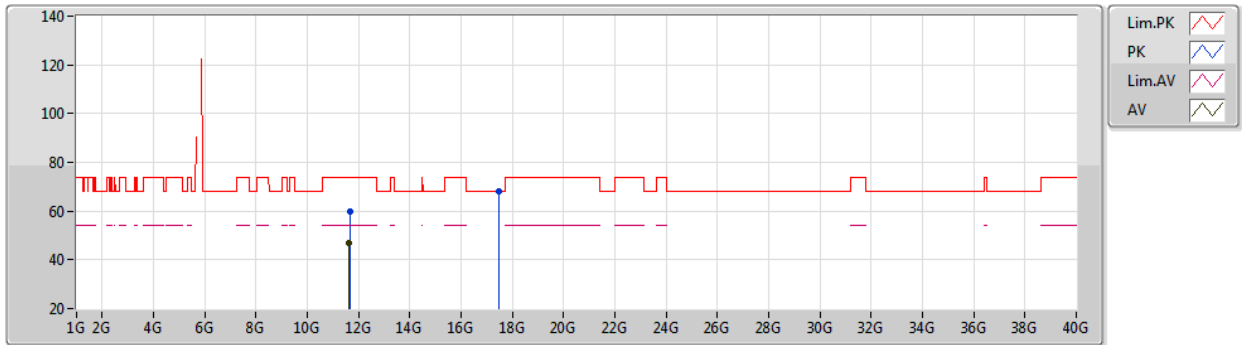
EUT Y_4TX
04-F-Z-1

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	11.654G	56.91	74.00	-17.09	45.46	3	Vertical	70	3.00	-	39.07	7.27	34.89
AV	11.63736G	44.19	54.00	-9.81	32.73	3	Vertical	70	3.00	-	39.08	7.26	34.88
PK	17.465G	65.29	68.20	-2.91	49.53	3	Vertical	261	1.48	-	41.22	9.99	35.45

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

25/12/2019

5825MHz_TX



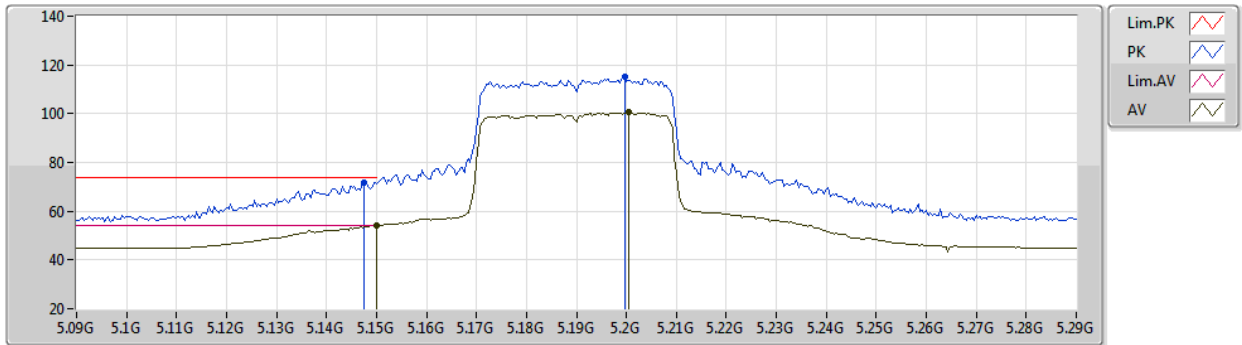
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04-F-Z-1

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	11.64848G	59.74	74.00	-14.26	48.29	3	Horizontal	34	2.22	-	39.08	7.26	34.89
AV	11.64392G	47.11	54.00	-6.89	35.66	3	Horizontal	34	2.22	-	39.08	7.26	34.89
PK	17.48148G	68.14	68.20	-0.06	52.37	3	Horizontal	204	1.51	-	41.23	9.99	35.45

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

25/12/2019

5190MHz_TX



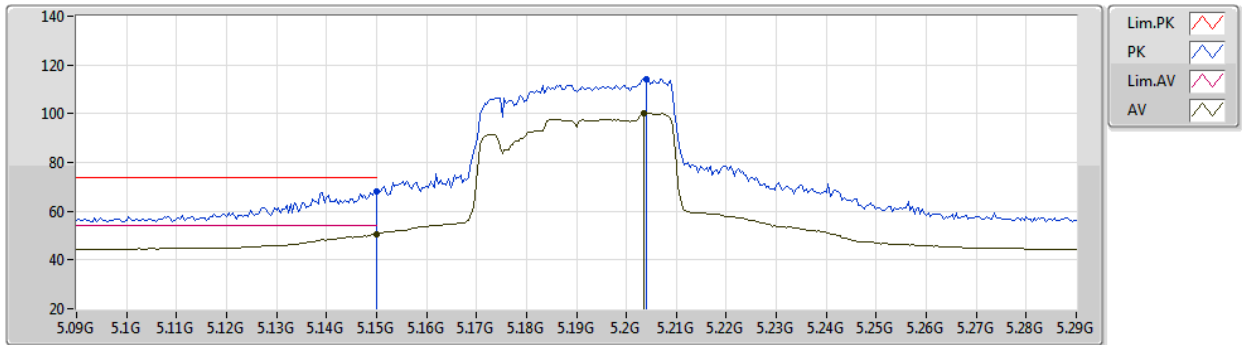
EUT Y_4TX
04-F-Z-1-10

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	71.55	74.00	-2.45	67.41	3	Vertical	159	2.28	-	33.05	4.65	33.56
AV	5.15G	53.97	54.00	-0.03	49.84	3	Vertical	159	2.28	-	33.05	4.64	33.56
PK	5.1996G	115.41	Inf	-Inf	111.27	3	Vertical	159	2.28	-	33.10	4.60	33.56
AV	5.2004G	100.52	Inf	-Inf	96.38	3	Vertical	159	2.28	-	33.10	4.60	33.56

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

25/12/2019

5190MHz_TX



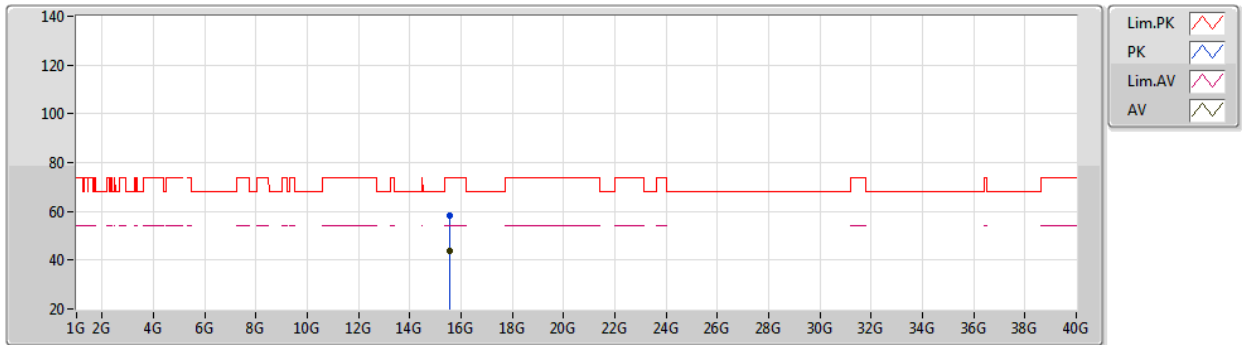
EUT Y_4TX
04-F-Z-1-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.15G	68.29	74.00	-5.71	64.15	3	Horizontal	188	2.29	-	33.05	4.65	33.56
AV	5.15G	50.65	54.00	-3.35	46.51	3	Horizontal	188	2.29	-	33.05	4.65	33.56
PK	5.204G	114.30	Inf	-Inf	110.16	3	Horizontal	188	2.29	-	33.10	4.60	33.56
AV	5.2036G	100.11	Inf	-Inf	95.97	3	Horizontal	188	2.29	-	33.10	4.60	33.56

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

25/12/2019

5190MHz_TX



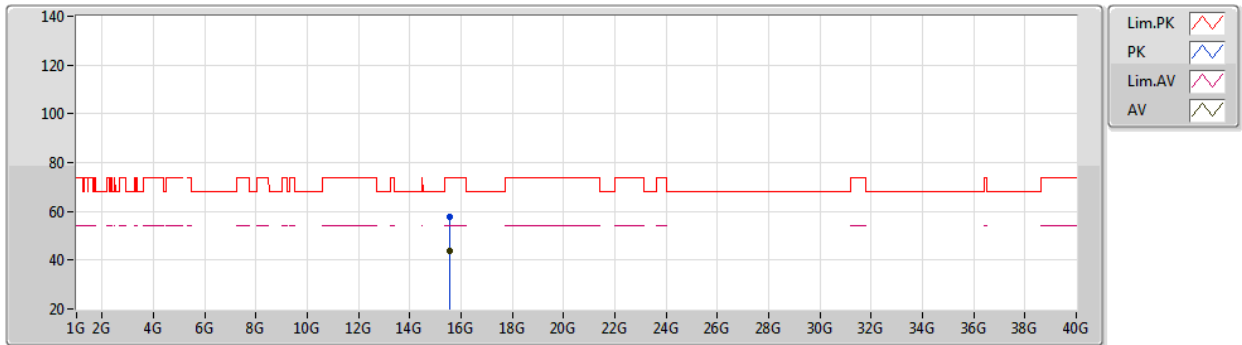
EUT Y_4TX
04-F-Z-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.57952G	58.13	74.00	-15.87	45.24	3	Vertical	242	1.22	-	39.06	9.26	35.43
AV	15.55168G	44.03	54.00	-9.97	31.12	3	Vertical	242	1.22	-	39.09	9.24	35.42

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

25/12/2019

5190MHz_TX



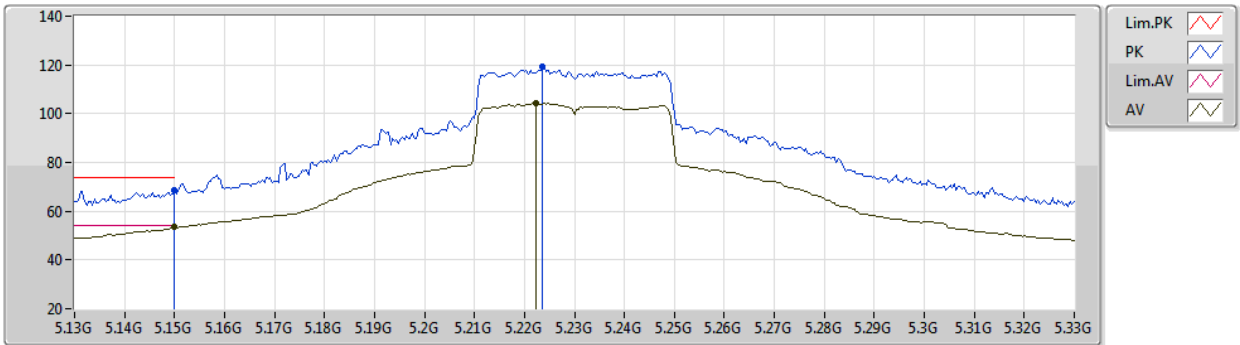
EUT Y_4TX
04-F-Z-1

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	15.55416G	57.91	74.00	-16.09	45.00	3	Horizontal	58	1.78	-	39.09	9.24	35.42
AV	15.55448G	43.89	54.00	-10.11	30.98	3	Horizontal	58	1.78	-	39.09	9.24	35.42

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

25/12/2019

5230MHz_TX



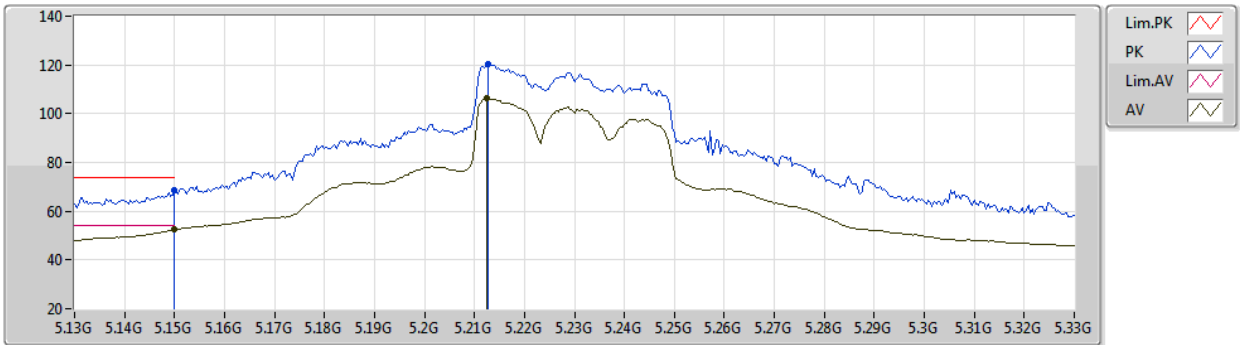
EUT Y_4TX
04-F-Z-1-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.15G	68.39	74.00	-5.61	64.26	3	Vertical	128	1.80	-	33.05	4.64	33.56
AV	5.15G	53.86	54.00	-0.14	49.73	3	Vertical	128	1.80	-	33.05	4.64	33.56
PK	5.2236G	119.18	Inf	-Inf	115.01	3	Vertical	128	1.80	-	33.12	4.61	33.56
AV	5.2224G	104.33	Inf	-Inf	100.16	3	Vertical	128	1.80	-	33.12	4.61	33.56

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

25/12/2019

5230MHz_TX



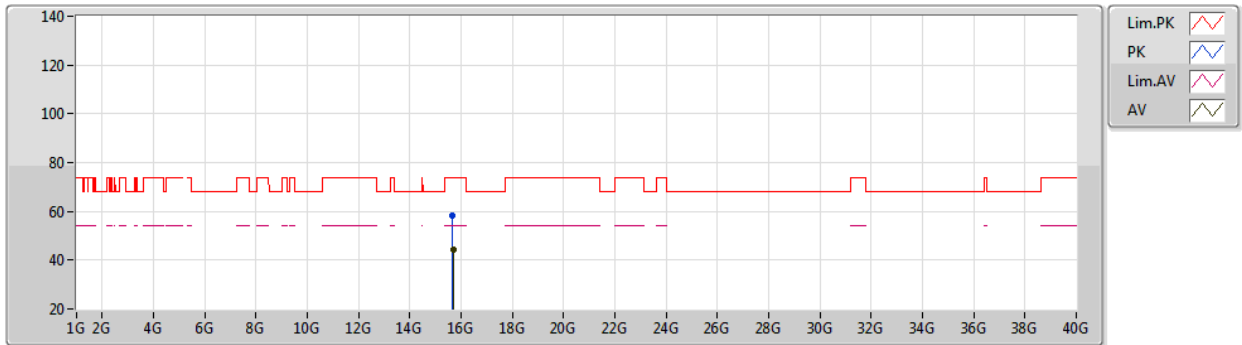
EUT Y_4TX
04-F-Z-1-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.15G	68.75	74.00	-5.25	64.61	3	Horizontal	52	1.88	-	33.05	4.65	33.56
AV	5.15G	52.36	54.00	-1.64	48.22	3	Horizontal	52	1.88	-	33.05	4.65	33.56
PK	5.2128G	120.46	Inf	-Inf	116.30	3	Horizontal	52	1.88	-	33.11	4.61	33.56
AV	5.2124G	106.37	Inf	-Inf	102.21	3	Horizontal	52	1.88	-	33.11	4.61	33.56

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

25/12/2019

5230MHz_TX



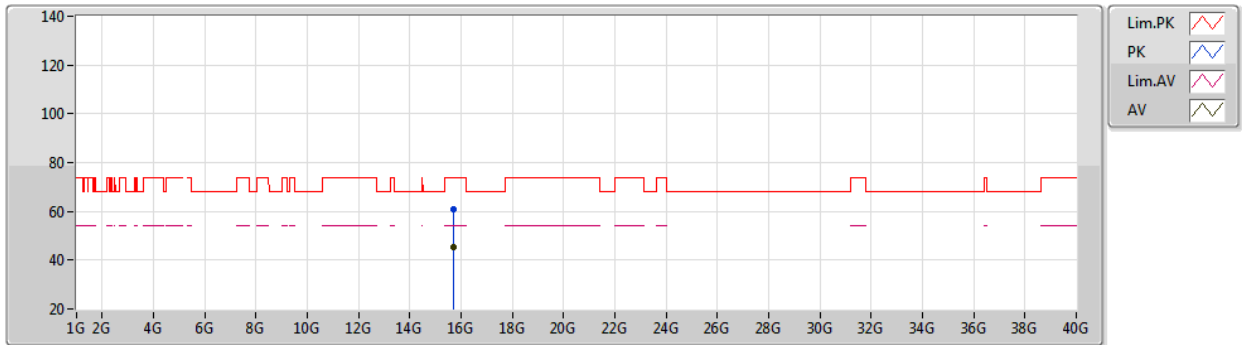
EUT Y_4TX
04-F-Z-1

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	15.67144G	58.34	74.00	-15.66	45.49	3	Vertical	248	1.80	-	38.96	9.34	35.45
AV	15.6952G	44.14	54.00	-9.86	31.30	3	Vertical	248	1.80	-	38.94	9.36	35.46

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

25/12/2019

5230MHz_TX



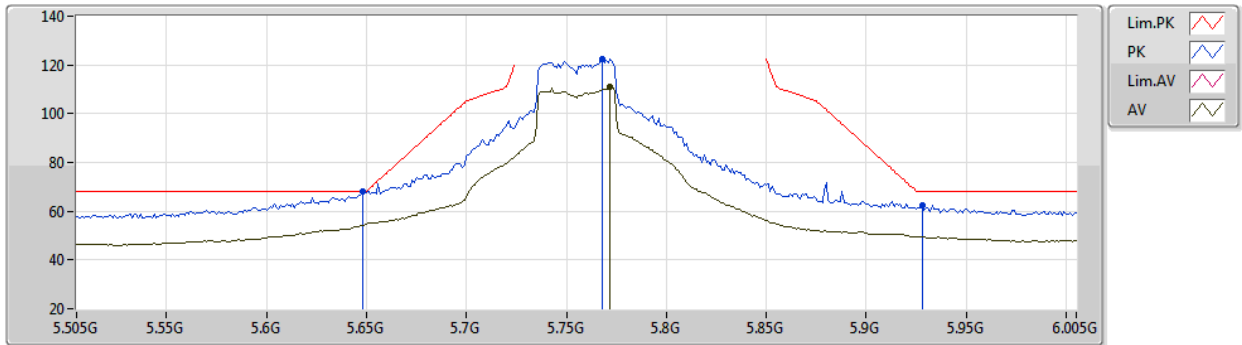
EUT Y_4TX
04-F-Z-1

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	15.69352G	60.69	74.00	-13.31	47.86	3	Horizontal	203	1.80	-	38.94	9.35	35.46
AV	15.69472G	45.47	54.00	-8.53	32.63	3	Horizontal	203	1.80	-	38.94	9.36	35.46

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

25/12/2019

5755MHz_TX



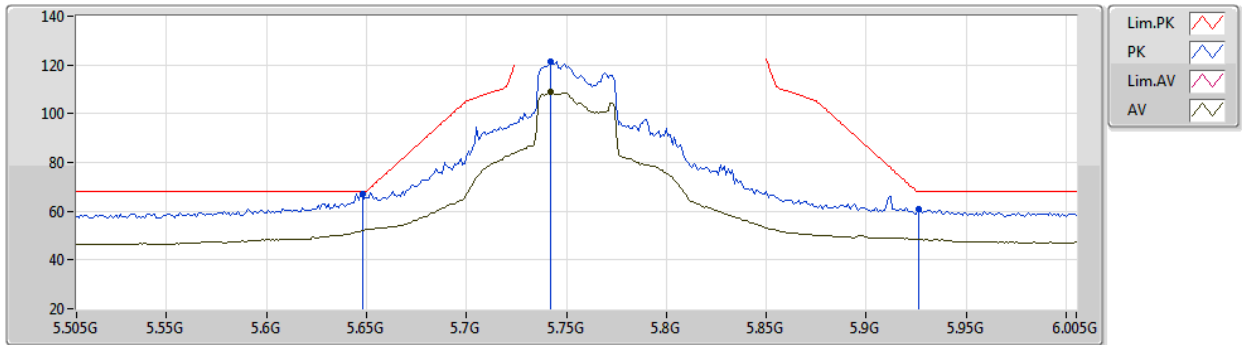
EUT Y_4TX
04-F-Z-1-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.648G	67.90	68.20	-0.30	62.49	3	Vertical	214	1.22	-	34.05	4.98	33.62
PK	5.768G	122.31	Inf	-Inf	116.80	3	Vertical	214	1.22	-	34.24	4.92	33.65
AV	5.772G	110.86	Inf	-Inf	105.36	3	Vertical	214	1.22	-	34.24	4.91	33.65
PK	5.928G	62.31	68.20	-5.89	56.03	3	Vertical	214	1.22	-	35.01	4.96	33.69

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

25/12/2019

5755MHz_TX



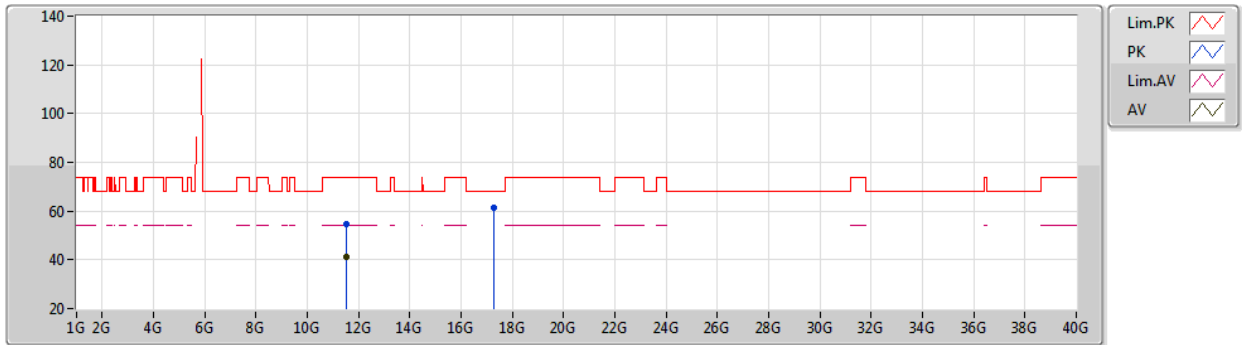
EUT Y_4TX
04-F-Z-1-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.648G	67.05	68.20	-1.15	61.64	3	Horizontal	170	2.20	-	34.05	4.98	33.62
PK	5.742G	121.18	Inf	-Inf	115.71	3	Horizontal	170	2.20	-	34.18	4.93	33.64
AV	5.742G	108.84	Inf	-Inf	103.37	3	Horizontal	170	2.20	-	34.18	4.93	33.64
PK	5.926G	60.74	68.20	-7.46	54.47	3	Horizontal	170	2.20	-	35.00	4.96	33.69

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

25/12/2019

5755MHz_TX



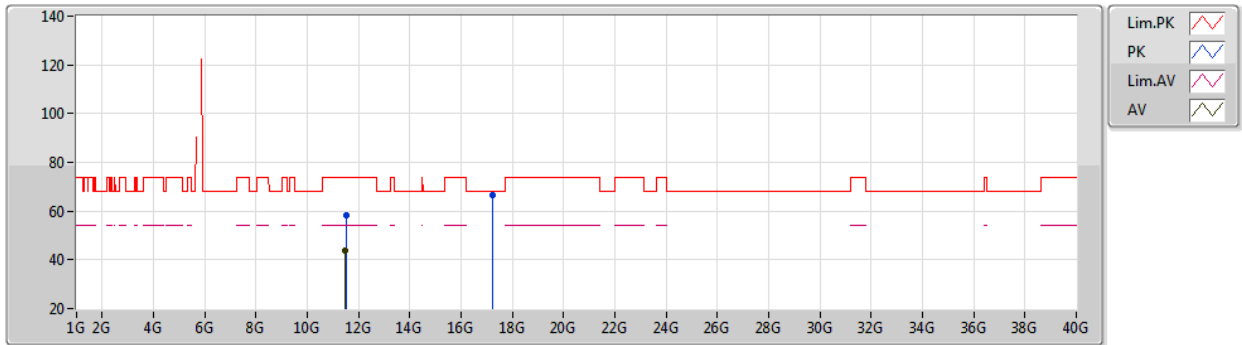
EUT Y_4TX
04-F-Z-1

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	11.51126G	54.75	74.00	-19.25	43.15	3	Vertical	109	1.80	-	39.14	7.25	34.79
AV	11.51105G	40.99	54.00	-13.01	29.39	3	Vertical	109	1.80	-	39.14	7.25	34.79
PK	17.2704G	61.49	68.20	-6.71	46.03	3	Vertical	285	1.25	-	41.04	9.91	35.49

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

25/12/2019

5755MHz_TX



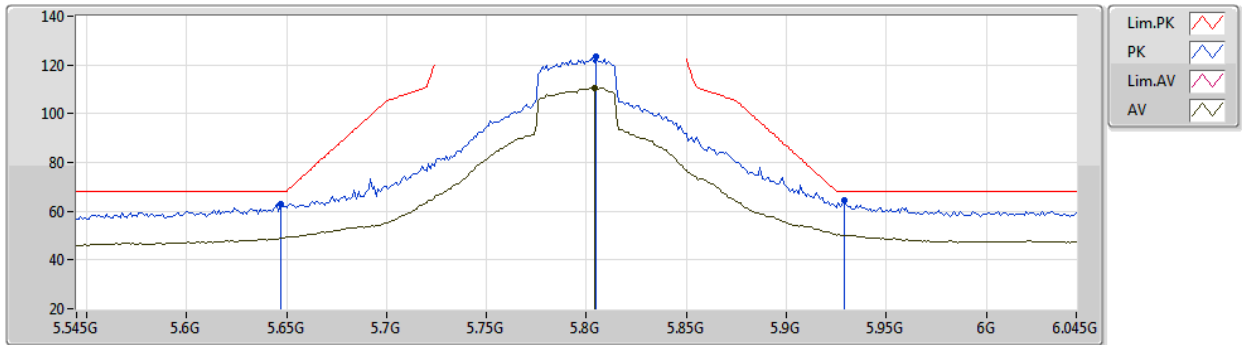
EUT Y_4TX
04-F-Z-1

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	11.51012G	58.27	74.00	-15.73	46.67	3	Horizontal	237	2.54	-	39.14	7.25	34.79
AV	11.48996G	43.77	54.00	-10.23	32.13	3	Horizontal	237	2.54	-	39.16	7.25	34.77
PK	17.24112G	66.68	68.20	-1.52	51.26	3	Horizontal	201	1.80	-	41.02	9.90	35.50

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

25/12/2019

5795MHz_TX



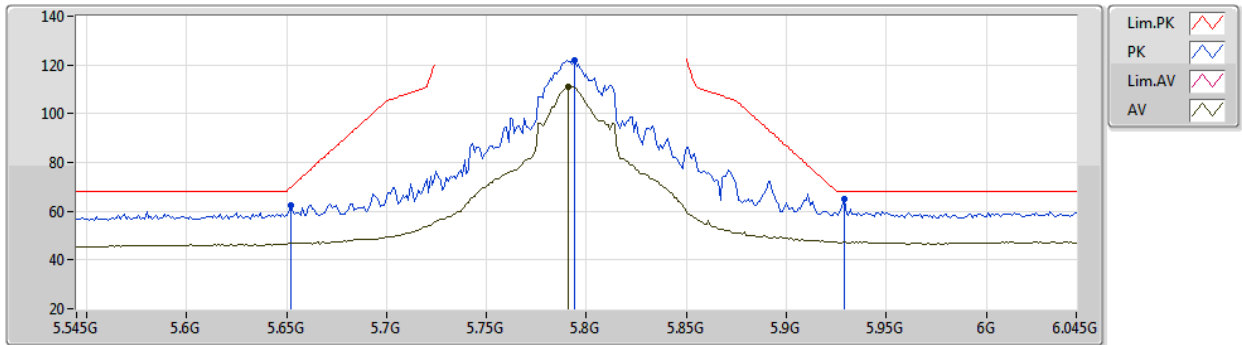
EUT Y_4TX
04-F-Z-1-10

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	63.06	68.20	-5.14	57.65	3	Vertical	4	2.20	-	34.05	4.98	33.62
PK	5.805G	123.40	Inf	-Inf	117.83	3	Vertical	4	2.20	-	34.33	4.90	33.66
AV	5.804G	110.47	Inf	-Inf	104.91	3	Vertical	4	2.20	-	34.32	4.90	33.66
PK	5.929G	64.58	68.20	-3.62	58.29	3	Vertical	4	2.20	-	35.02	4.96	33.69

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

25/12/2019

5795MHz_TX



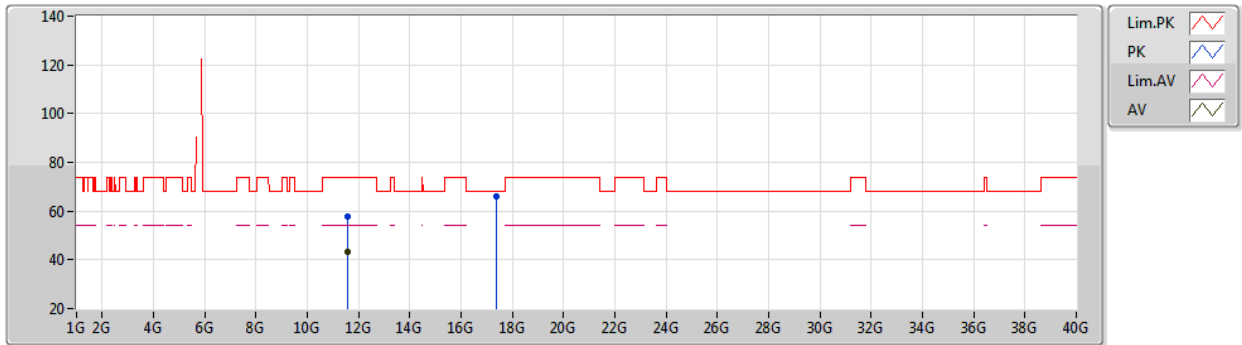
EUT Y_4TX
04-F-Z-1-10

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	5.652G	62.24	69.68	-7.44	56.84	3	Horizontal	34	1.55	-	34.05	4.97	33.62
PK	5.794G	121.84	Inf	-Inf	116.31	3	Horizontal	34	1.55	-	34.29	4.90	33.66
AV	5.791G	111.11	Inf	-Inf	105.59	3	Horizontal	34	1.55	-	34.28	4.90	33.66
PK	5.929G	65.14	68.20	-3.06	58.85	3	Horizontal	34	1.55	-	35.02	4.96	33.69

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

25/12/2019

5795MHz_TX



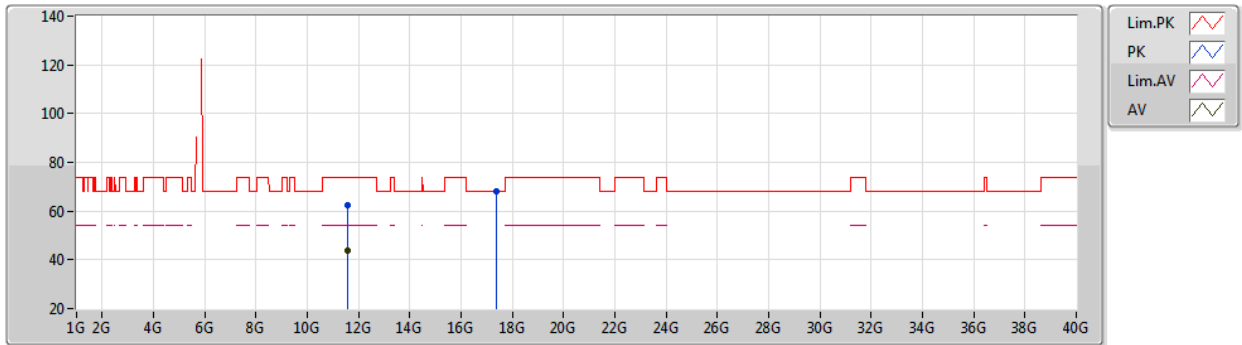
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04-F-Z-1

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	11.59G	57.62	74.00	-16.38	46.11	3	Vertical	86	2.90	-	39.10	7.26	34.85
AV	11.57928G	43.31	54.00	-10.69	31.78	3	Vertical	86	2.90	-	39.11	7.26	34.84
PK	17.36692G	66.22	68.20	-1.98	50.61	3	Vertical	223	3.00	-	41.13	9.95	35.47

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

25/12/2019

5795MHz_TX



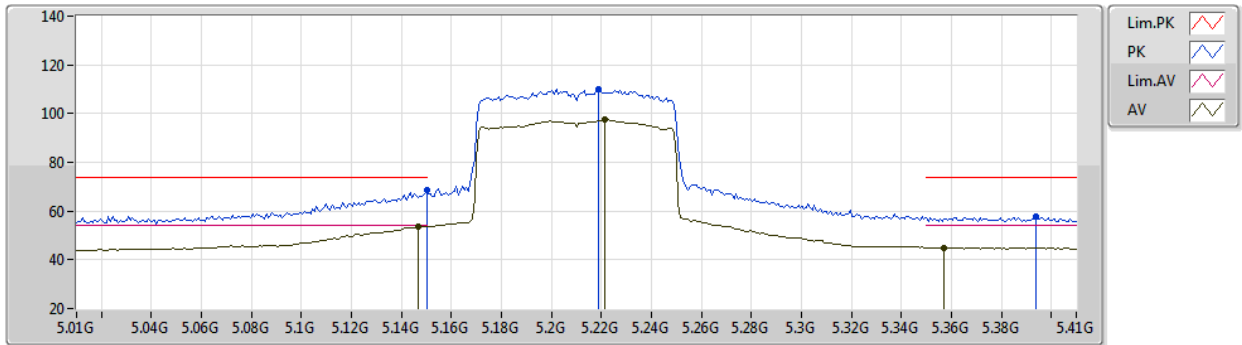
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04-F-Z-1

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	11.59G	62.55	74.00	-11.45	51.04	3	Horizontal	41	1.80	-	39.10	7.26	34.85
AV	11.5703G	43.71	54.00	-10.29	32.17	3	Horizontal	41	1.80	-	39.11	7.26	34.83
PK	17.3764G	68.11	68.20	-0.09	52.49	3	Horizontal	37	1.92	-	41.14	9.95	35.47

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

25/12/2019

5210MHz_TX

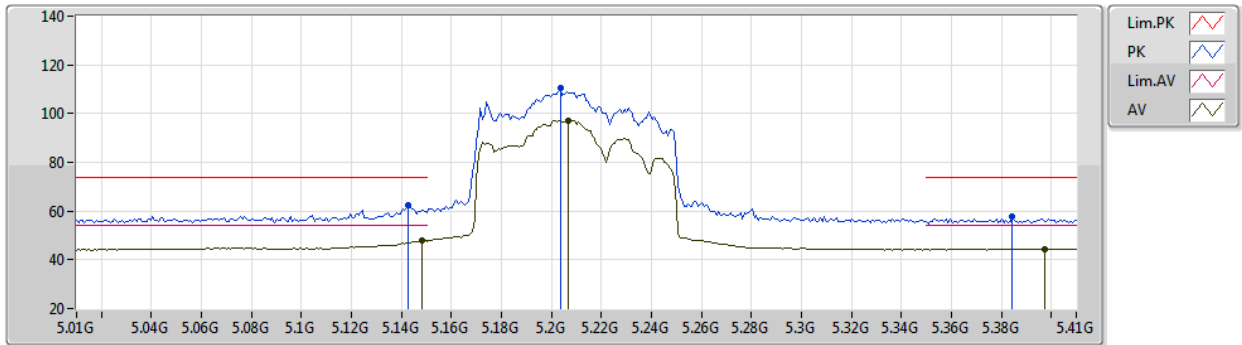

EUT Y_4TX
04-F-Z-1-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.15G	68.84	74.00	-5.16	64.70	3	Vertical	166	2.62	-	33.05	4.65	33.56
AV	5.1468G	53.72	54.00	-0.28	49.58	3	Vertical	166	2.62	-	33.05	4.65	33.56
PK	5.2188G	109.87	Inf	-Inf	105.70	3	Vertical	166	2.62	-	33.12	4.61	33.56
AV	5.2212G	97.62	Inf	-Inf	93.45	3	Vertical	166	2.62	-	33.12	4.61	33.56
PK	5.394G	57.65	74.00	-16.35	53.04	3	Vertical	166	2.62	-	33.48	4.70	33.57
AV	5.3572G	44.95	54.00	-9.05	40.47	3	Vertical	166	2.62	-	33.37	4.68	33.57

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

25/12/2019

5210MHz_TX

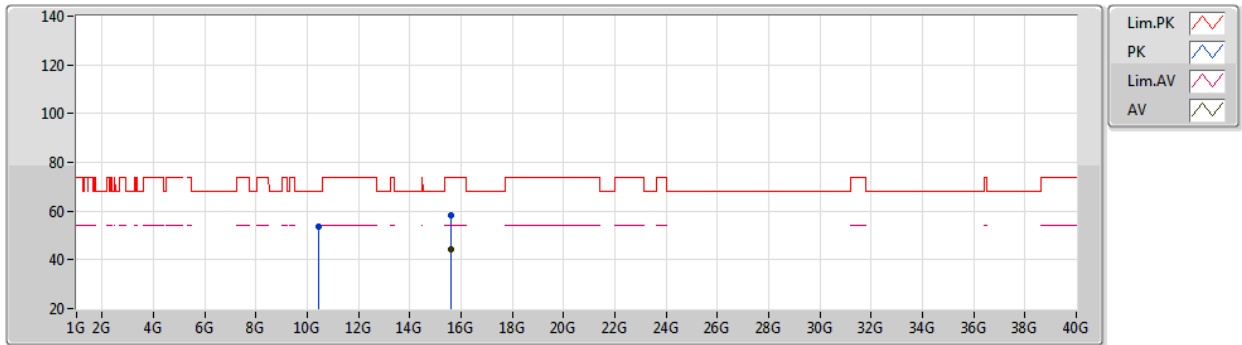

EUT Y_4TX
04-F-Z-1-10

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	5.1428G	62.29	74.00	-11.71	58.16	3	Horizontal	50	2.39	-	33.04	4.65	33.56
AV	5.1484G	47.77	54.00	-6.23	43.63	3	Horizontal	50	2.39	-	33.05	4.65	33.56
PK	5.2036G	110.30	Inf	-Inf	106.16	3	Horizontal	50	2.39	-	33.10	4.60	33.56
AV	5.2068G	97.10	Inf	-Inf	92.95	3	Horizontal	50	2.39	-	33.11	4.60	33.56
PK	5.3844G	57.95	74.00	-16.05	53.38	3	Horizontal	50	2.39	-	33.45	4.69	33.57
AV	5.3972G	44.43	54.00	-9.57	39.81	3	Horizontal	50	2.39	-	33.49	4.70	33.57

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

25/12/2019

5210MHz_TX



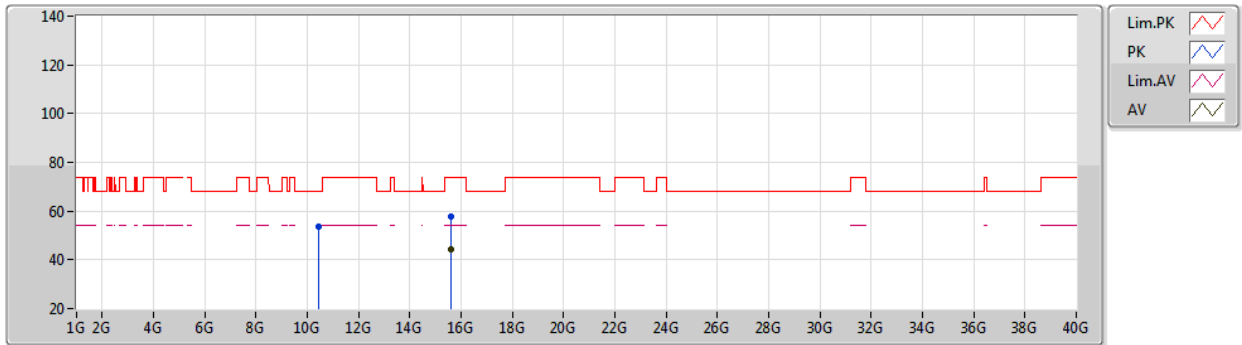
EUT Y_4TX
04-F-Z-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.42043G	53.47	68.20	-14.73	41.69	3	Vertical	6	1.73	-	38.94	6.85	34.01
PK	15.63105G	58.07	74.00	-15.93	45.20	3	Vertical	286	1.51	-	39.01	9.30	35.44
AV	15.6279G	44.56	54.00	-9.44	31.69	3	Vertical	286	1.51	-	39.01	9.30	35.44

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

25/12/2019

5210MHz_TX

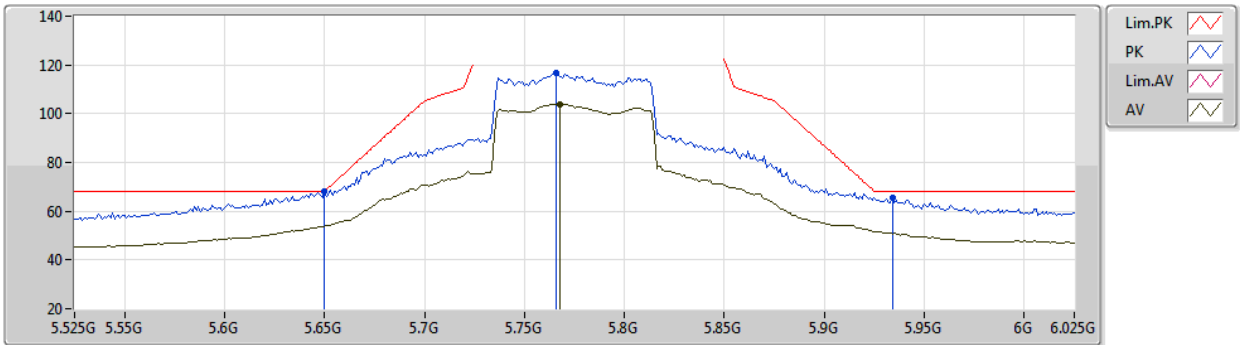

EUT Y_4TX
04-F-Z-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.41939G	53.59	68.20	-14.61	41.81	3	Horizontal	251	2.68	-	38.94	6.85	34.01
PK	15.63051G	57.64	74.00	-16.36	44.77	3	Horizontal	39	2.54	-	39.01	9.30	35.44
AV	15.62792G	44.21	54.00	-9.79	31.34	3	Horizontal	39	2.54	-	39.01	9.30	35.44

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

25/12/2019

5775MHz_TX



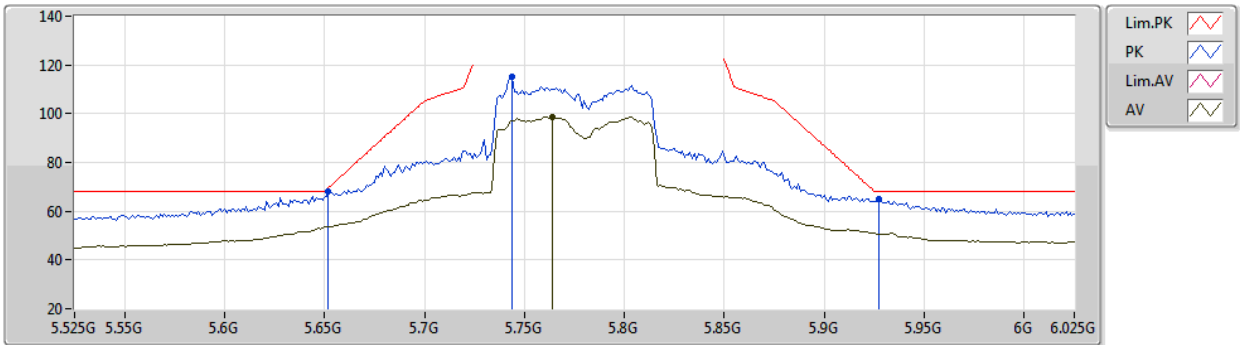
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04-F-Z-1-10

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	67.99	68.20	-0.21	62.59	3	Vertical	338	2.60	-	34.05	4.97	33.62
PK	5.766G	116.53	Inf	-Inf	111.03	3	Vertical	338	2.60	-	34.23	4.92	33.65
AV	5.768G	103.98	Inf	-Inf	98.47	3	Vertical	338	2.60	-	34.24	4.92	33.65
PK	5.934G	65.54	68.20	-2.66	59.22	3	Vertical	338	2.60	-	35.04	4.97	33.69

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

25/12/2019

5775MHz_TX



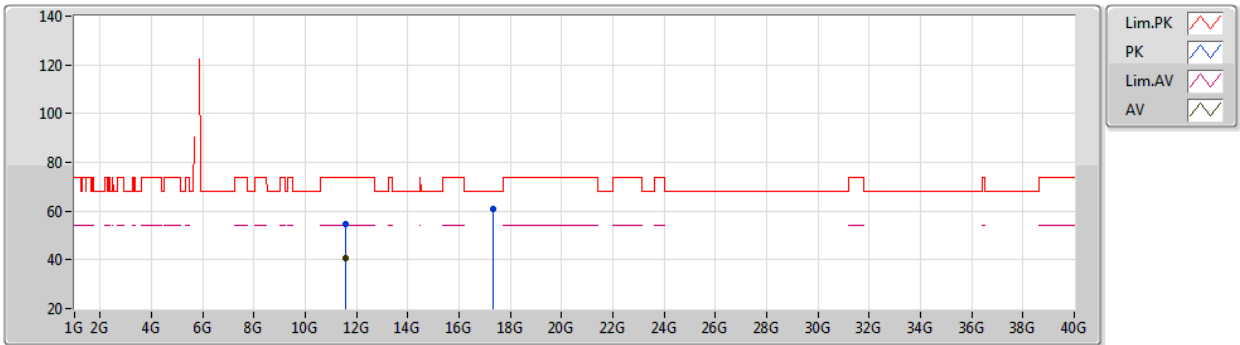
EUT Y_4TX
04-F-Z-1-10

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	5.652G	67.97	69.68	-1.71	62.57	3	Horizontal	0	1.19	-	34.05	4.97	33.62
PK	5.744G	115.28	Inf	-Inf	109.80	3	Horizontal	0	1.19	-	34.19	4.93	33.64
AV	5.764G	98.77	Inf	-Inf	93.27	3	Horizontal	0	1.19	-	34.23	4.92	33.65
PK	5.927G	64.85	68.20	-3.35	58.57	3	Horizontal	0	1.19	-	35.01	4.96	33.69

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

25/12/2019

5775MHz_TX



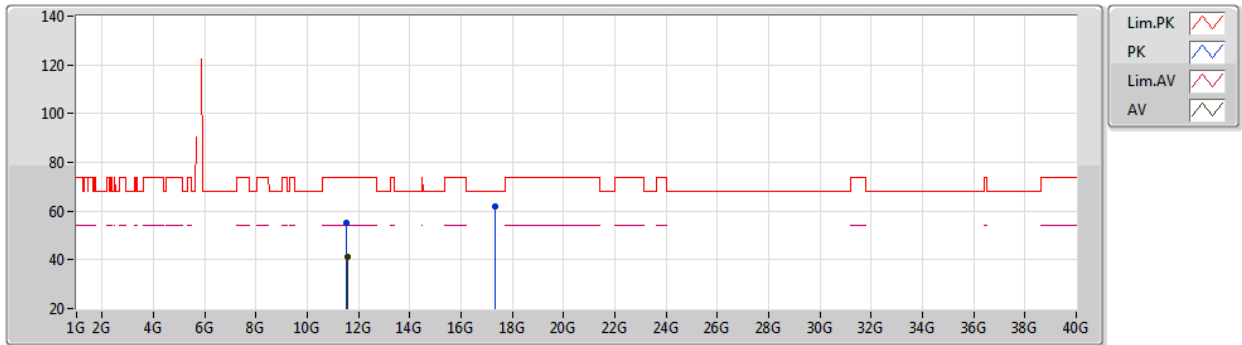
EUT Y_4TX
04-F-Z-1

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	11.55142G	54.81	74.00	-19.19	43.25	3	Vertical	86	2.79	-	39.12	7.26	34.82
AV	11.54944G	40.65	54.00	-13.35	29.09	3	Vertical	86	2.79	-	39.13	7.25	34.82
PK	17.32735G	61.09	68.20	-7.11	45.55	3	Vertical	254	1.81	-	41.09	9.93	35.48

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

25/12/2019

5775MHz_TX



EUT Y_4TX
04-F-Z-1

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	11.54774G	55.26	74.00	-18.74	43.70	3	Horizontal	243	1.62	-	39.13	7.25	34.82
AV	11.55235G	41.10	54.00	-12.90	29.54	3	Horizontal	243	1.62	-	39.12	7.26	34.82
PK	17.32253G	61.66	68.20	-6.54	46.12	3	Horizontal	204	2.95	-	41.09	9.93	35.48

