



FCC RADIO TEST REPORT

FCC ID : TE7RE205V2
Equipment : AC750 Wi-Fi Range Extender
Brand Name : tp-link
Model Name : RE205
Applicant : TP-Link Technologies Co., Ltd.
Building 24 (floors 1,3,4,5) and 28 (floors1-4),
Central Science and Technology Park,Nanshan
Shenzhen, 518057 China
Manufacturer : TP-Link Technologies Co., Ltd.
Building 24 (floors 1,3,4,5) and 28 (floors1-4),
Central Science and Technology Park,Nanshan
Shenzhen, 518057 China
Standard : 47 CFR FCC Part 15.407

The product was received on Oct. 01, 2018, and testing was started from Oct. 25, 2018 and completed on Oct. 31, 2018. 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
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Report Template No.: CB 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 EUT supports AP and Extender mode, only Extender mode was tested and recorded in this test report by applicant request.

Reviewed by: Cliff Chang

Report Producer: Vicky Huang

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1TX
5.15-5.25GHz	802.11n HT20	20	1TX
5.15-5.25GHz	802.11ac VHT20	20	1TX
5.15-5.25GHz	802.11n HT40	40	1TX
5.15-5.25GHz	802.11ac VHT40	40	1TX
5.15-5.25GHz	802.11ac VHT80	80	1TX
5.725-5.85GHz	802.11a	20	1TX
5.725-5.85GHz	802.11n HT20	20	1TX
5.725-5.85GHz	802.11ac VHT20	20	1TX
5.725-5.85GHz	802.11n HT40	40	1TX
5.725-5.85GHz	802.11ac VHT40	40	1TX
5.725-5.85GHz	802.11ac VHT80	80	1TX

Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40 and VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM 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**

Ant.	Port	Brand	Product Number	Antenna Type	Connector	Gain (dBi)	
						2.4GHz	5GHz
1	1	TP-LINK	3101501563	Dipole Antenna	I-PEX	2	3
2	2	TP-LINK	3101501562	Dipole Antenna	I-PEX	2	-

Note: The EUT has two antennas.

For WLAN 2.4GHz function (2TX/2RX):

Port 1 and Port 2 could transmit/receive simultaneously.

For WLAN 5GHz function (1TX/1RX):

Only Port 1 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ac VHT20	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ac VHT40	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ac VHT80	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	Internal power supply			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
Test Software Version	MT76xxE_AP V2.0.10.0			

1.1.5 Table for EUT support function

Function
AP
Extender

Note: The EUT supports AP and Extender mode, only Extender mode was tested and recorded in this test report by applicant request.



1.2 Testing Applied 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

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	TH01-CB	Paul Chen	22°C / 54%	Oct. 30, 2018~Oct. 31, 2018
Radiated below 1GHz	03CH01-CB	Paul Chen	24°C / 58%	Oct. 25, 2018~Oct. 26, 2018
Radiated above 1GHz	03CH01-CB	Cola Chang	24°C / 58%	Oct. 25, 2018~Oct. 31, 2018
AC Conduction	CO02-CB	Rick Yeh	25°C / 60%	Oct. 30, 2018

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)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	9.74 x10 ⁻⁸	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_1TX	-
5180MHz	14
5200MHz	26
5240MHz	1C
5745MHz	28
5785MHz	28
5825MHz	28
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	14
5200MHz	26
5240MHz	1B
5745MHz	28
5785MHz	28
5825MHz	28
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	0B
5230MHz	1A
5755MHz	23
5795MHz	28
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	09
5775MHz	1B

Note:

- ♦ VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.

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	Extender mode

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	Extender mode - EUT in Y axis
2	Extender mode - EUT in Z axis
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT was performed at Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found at Z axis. So the measurement will follow this same test configuration.	
1	EUT in Z axis

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



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA892823 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

N/A

2.5 Support Equipment

For Test Site No: CO02-CB

Support Equipment			
Equipment	Brand Name	Model Name	FCC ID
NB*3	DELL	E6430	N/A
AP Router	ASUS	RP-N53	MSQ-RPN53

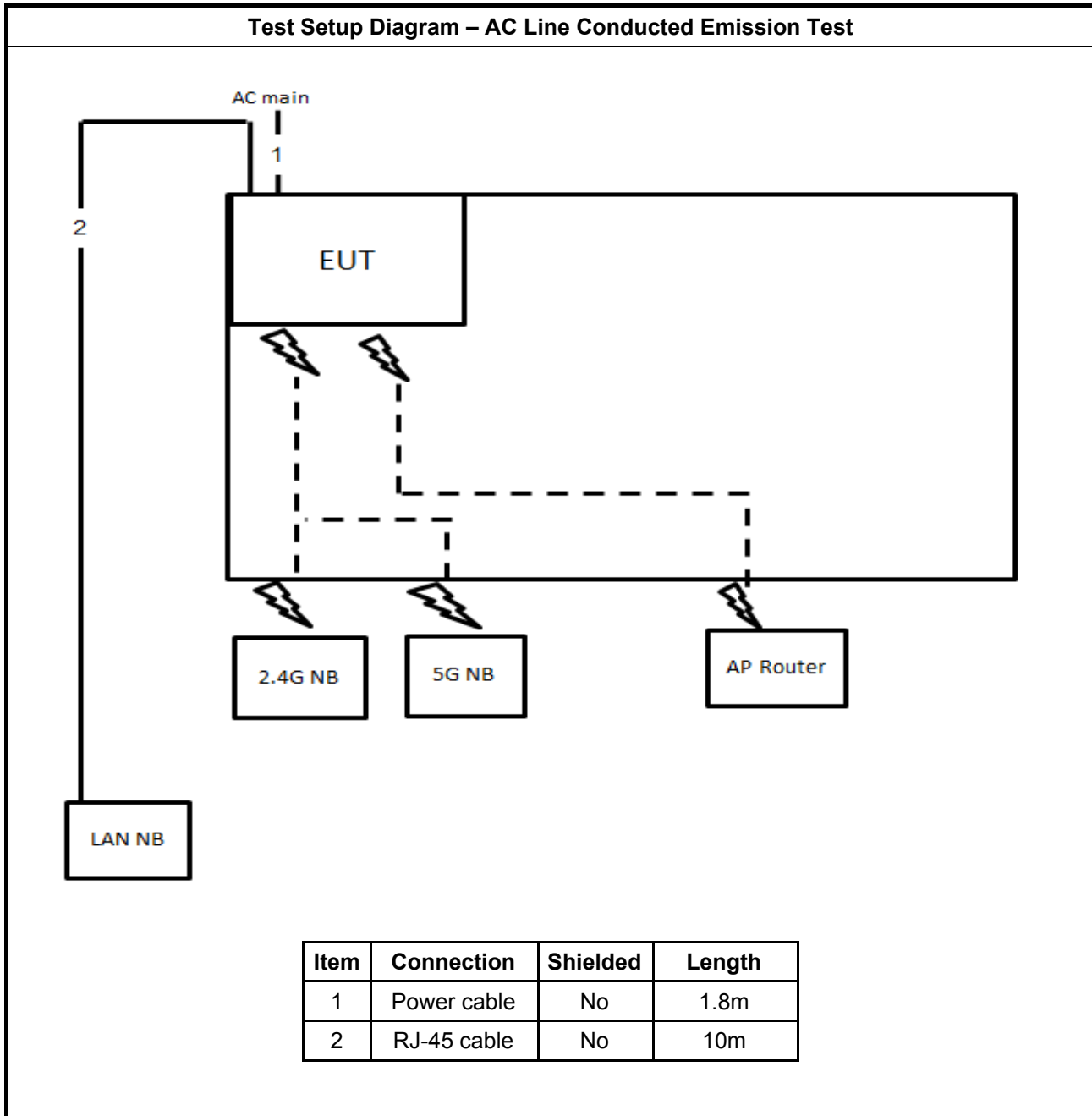
For Test Site No: 03CH01-CB (below 1GHz)

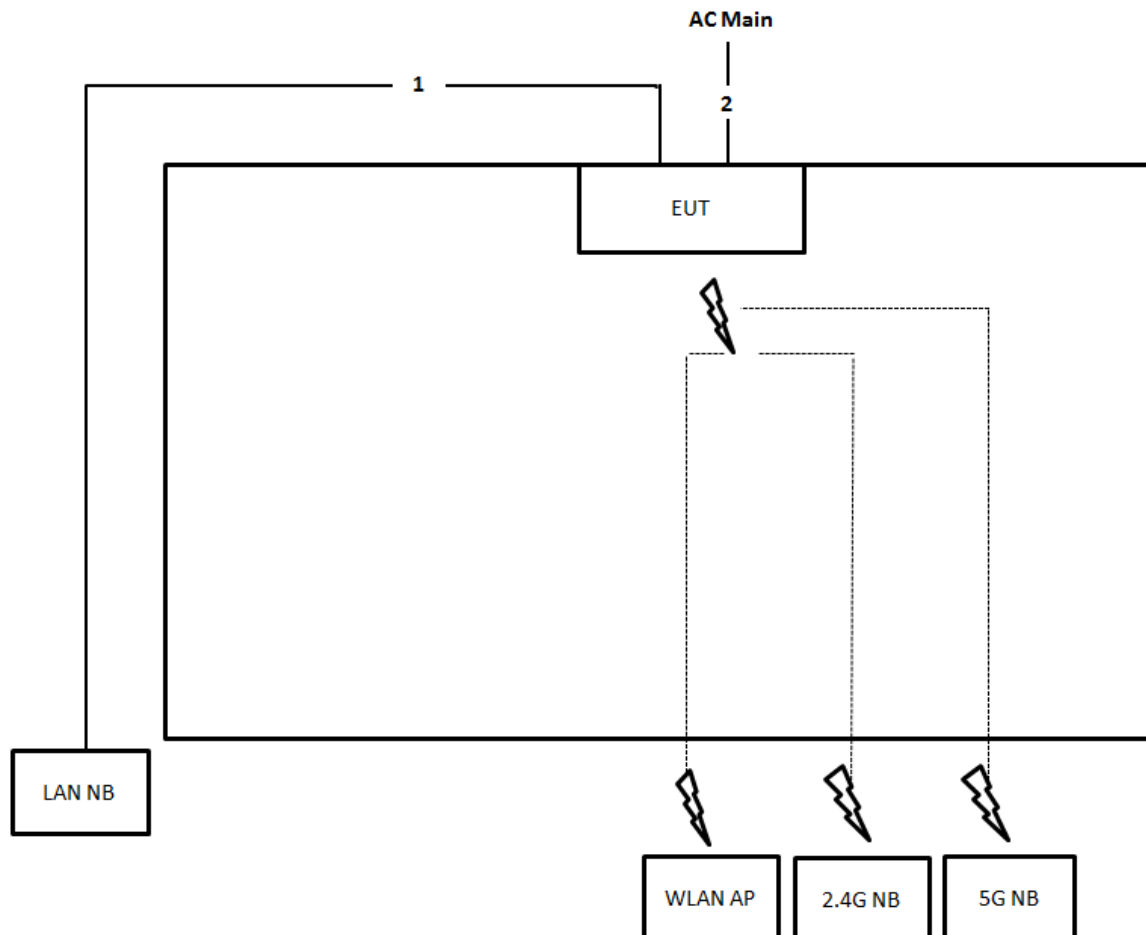
Support Equipment			
Equipment	Brand Name	Model Name	FCC ID
NB*3	DELL	E4300	N/A
WLAN AP	NETGEAR	WNDR3300v2	PY309300116

For Test Site No: 03CH01-CB (above 1GHz) and TH01-CB

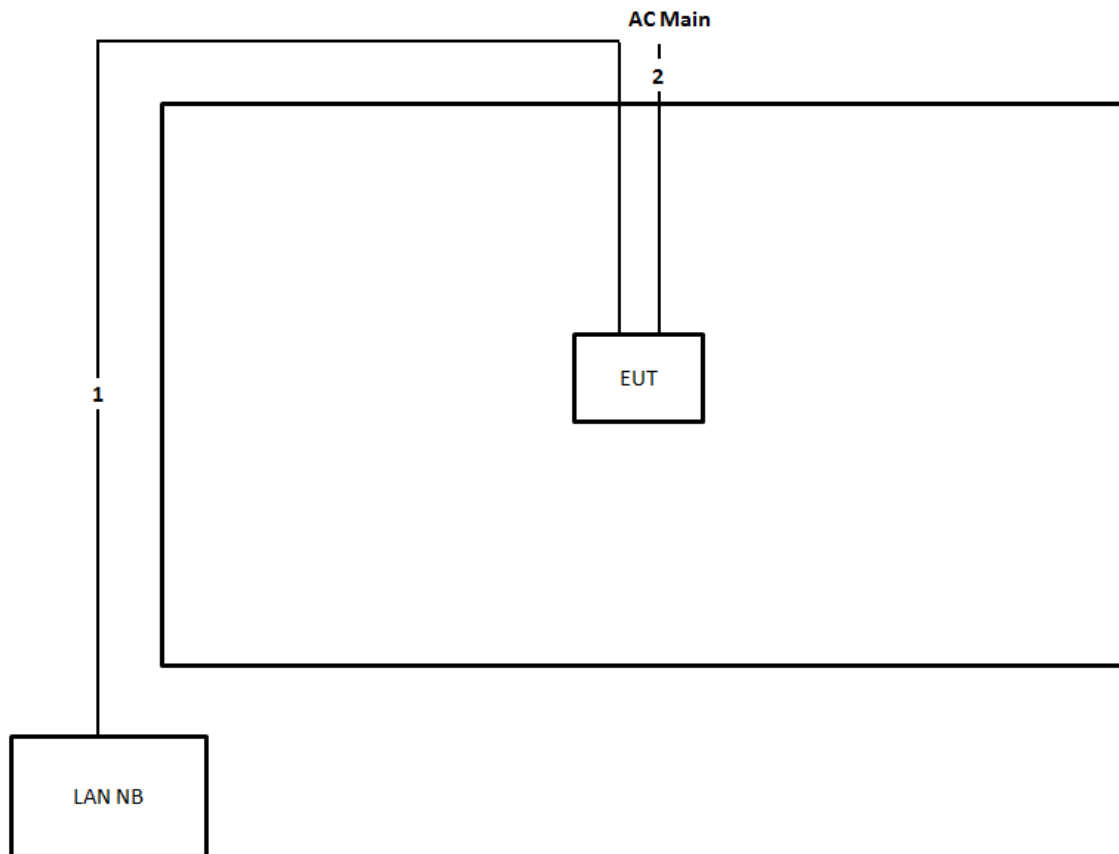
Support Equipment			
Equipment	Brand Name	Model Name	FCC ID
NB	DELL	E4300	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


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

Test Setup Diagram - Radiated Test > 1GHz


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



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.		

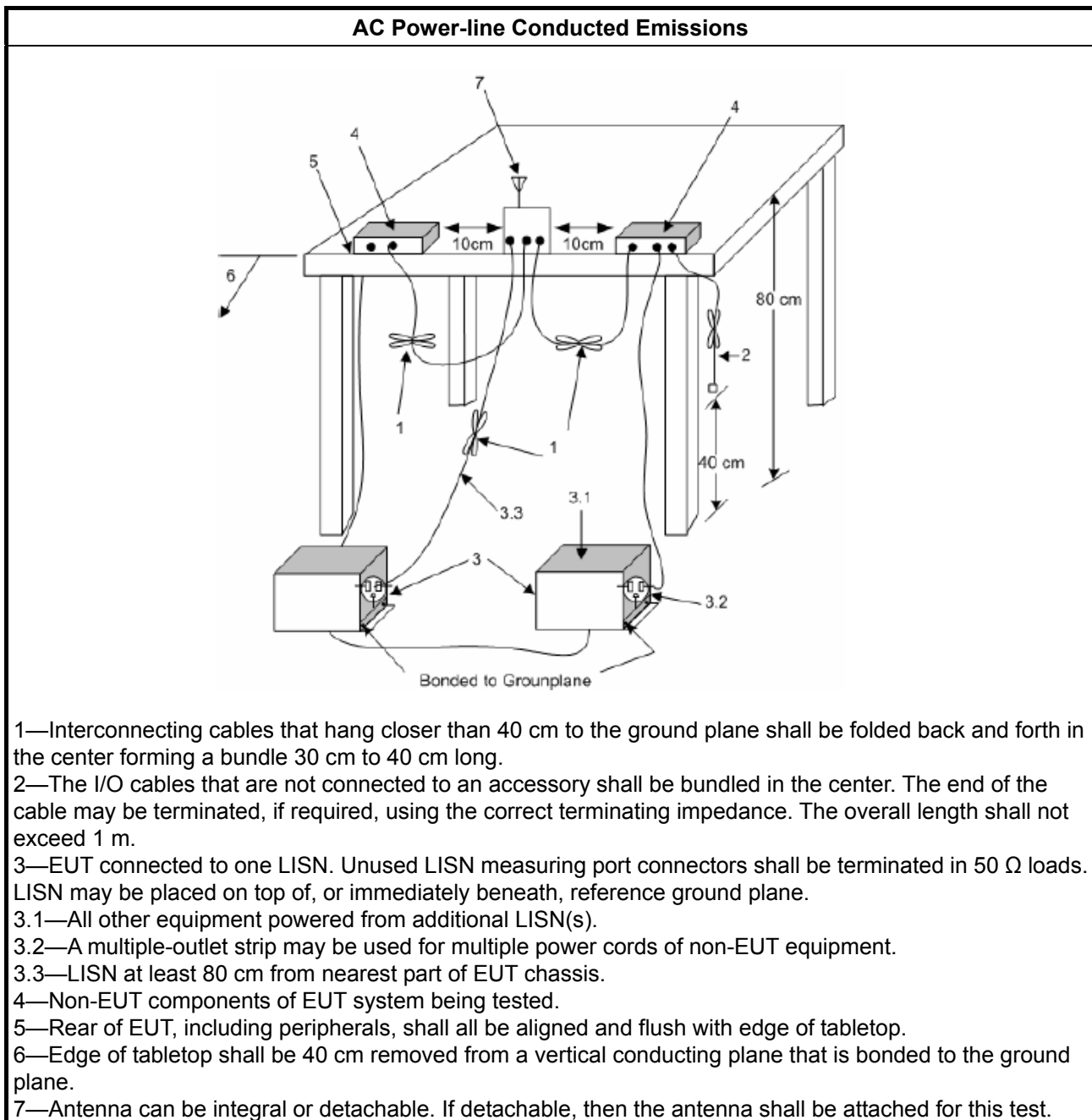
3.1.2 Measuring Instruments

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 $\geq 500\text{kHz}$.

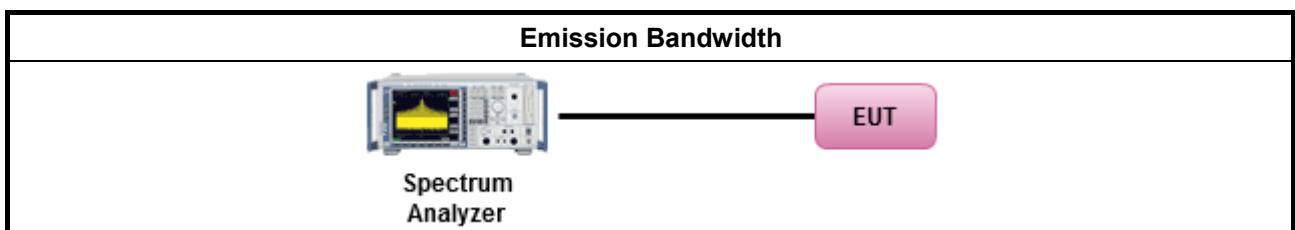
3.2.2 Measuring Instruments

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.	

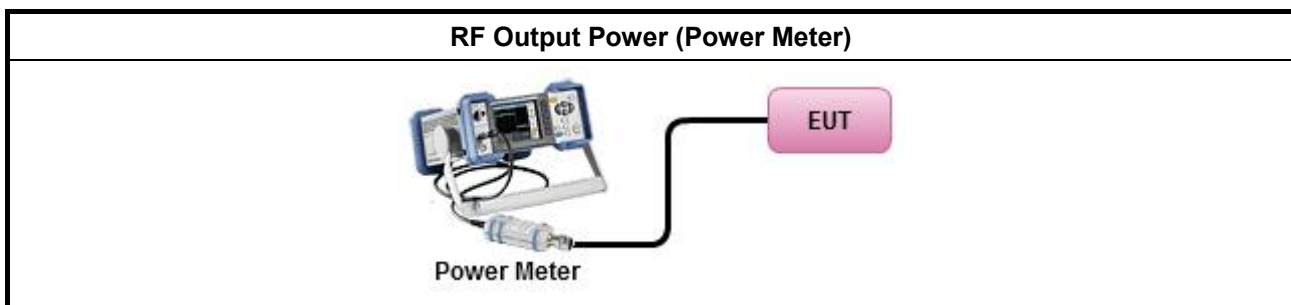
3.3.2 Measuring Instruments

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 $0^\circ \leq \theta < 8^\circ$; $-13 - 0.716(\theta - 8)$ dBW/MHz for $8^\circ \leq \theta < 40^\circ$ $-35.9 - 1.22(\theta - 40)$ dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐ For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
☐ For the 5.725-5.85 GHz band:	
	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that 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

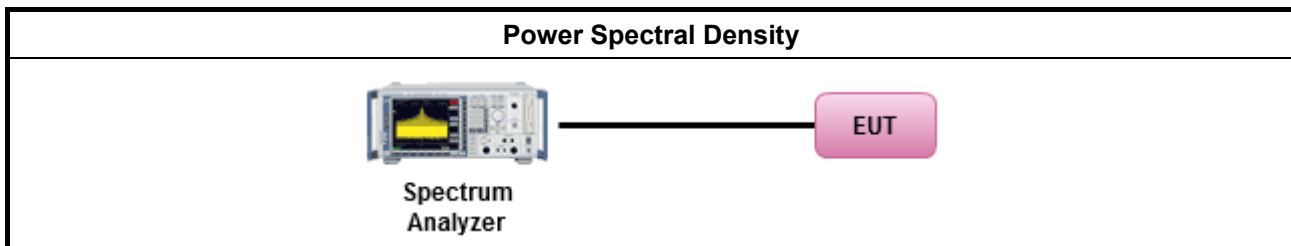
Refer a test equipment and calibration data table in this test report.



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, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
[duty cycle ≥ 98% or external video / power trigger]	
☒	Refer as FCC KDB 789033, 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).

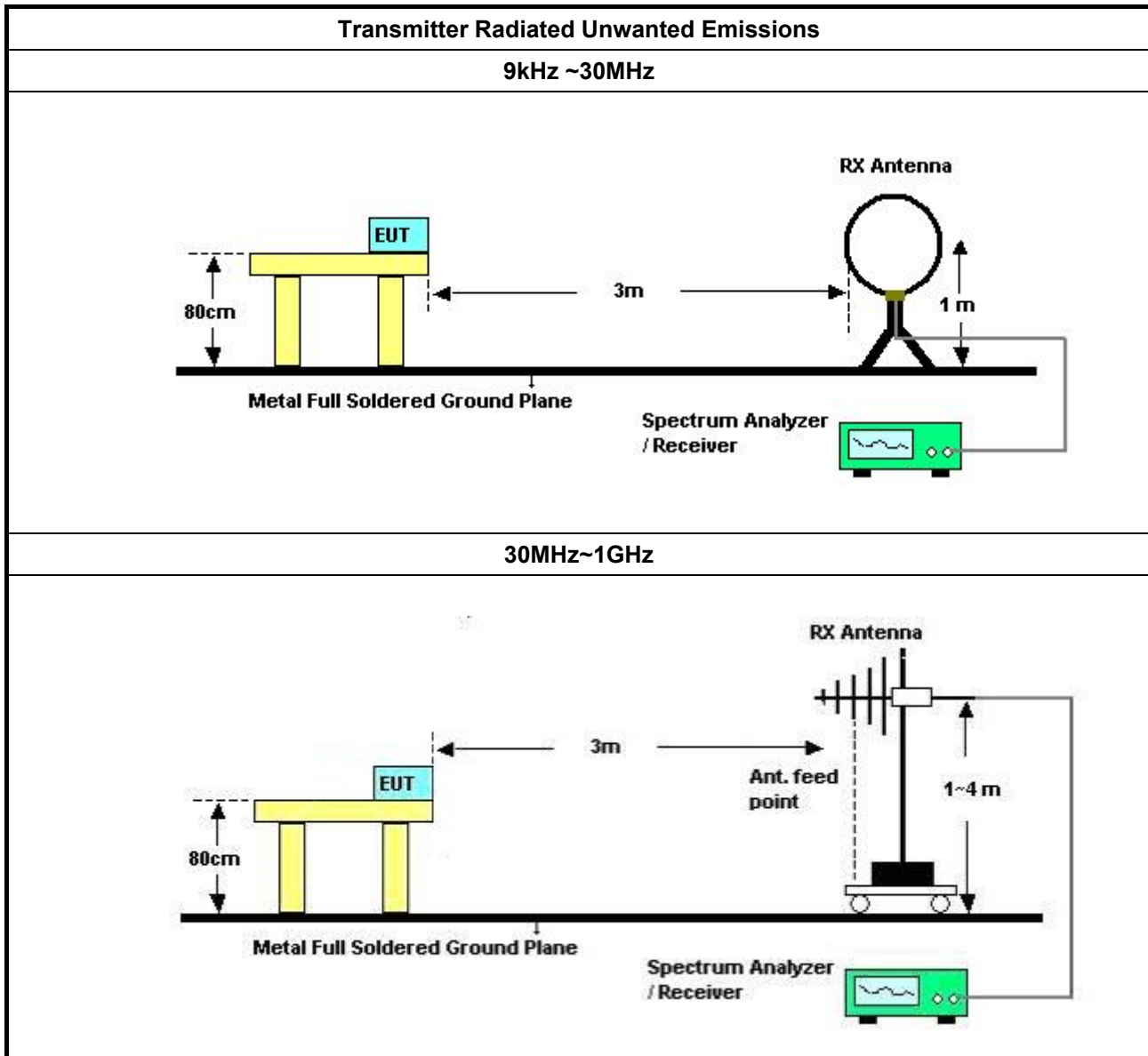
3.5.2 Measuring Instruments

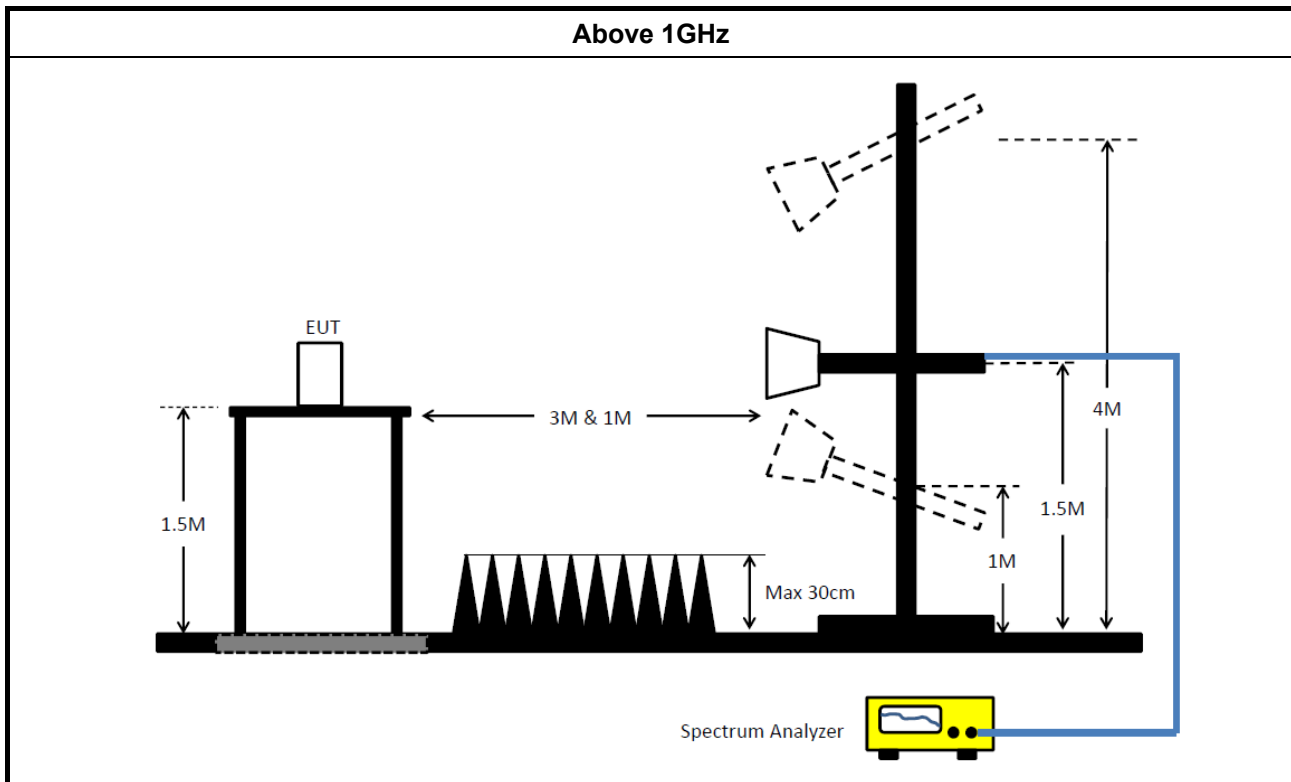
Refer a test equipment and calibration data table in this test report.

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 ≥ 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 Transmitter Unwanted Emissions (Below 30MHz)

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.

3.5.6 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
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 24, 2017	Nov. 23, 2018	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 13, 2017	Nov. 12, 2018	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	Jan. 17, 2018	Jan. 16, 2019	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Nov. 10, 2017	Nov. 09, 2018	Conduction (CO02-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 27, 2018	Aug. 26, 2019	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2018	Mar. 15, 2019	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 20, 2017	Nov. 19, 2018	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 28, 2018	Jun. 27, 2019	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2018	May 01, 2019	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 09, 2018	Jan. 08, 2019	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Oct. 03, 2018	Oct. 02, 2019	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESCS	100359	9kHz ~ 2.75GHz	Jul. 03, 2018	Jul. 02, 2019	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 21, 2017	Dec. 20, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz ~ 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz ~ 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz ~ 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz ~ 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz ~ 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 20, 2017	Nov. 19, 2018	Conducted (TH01-CB)

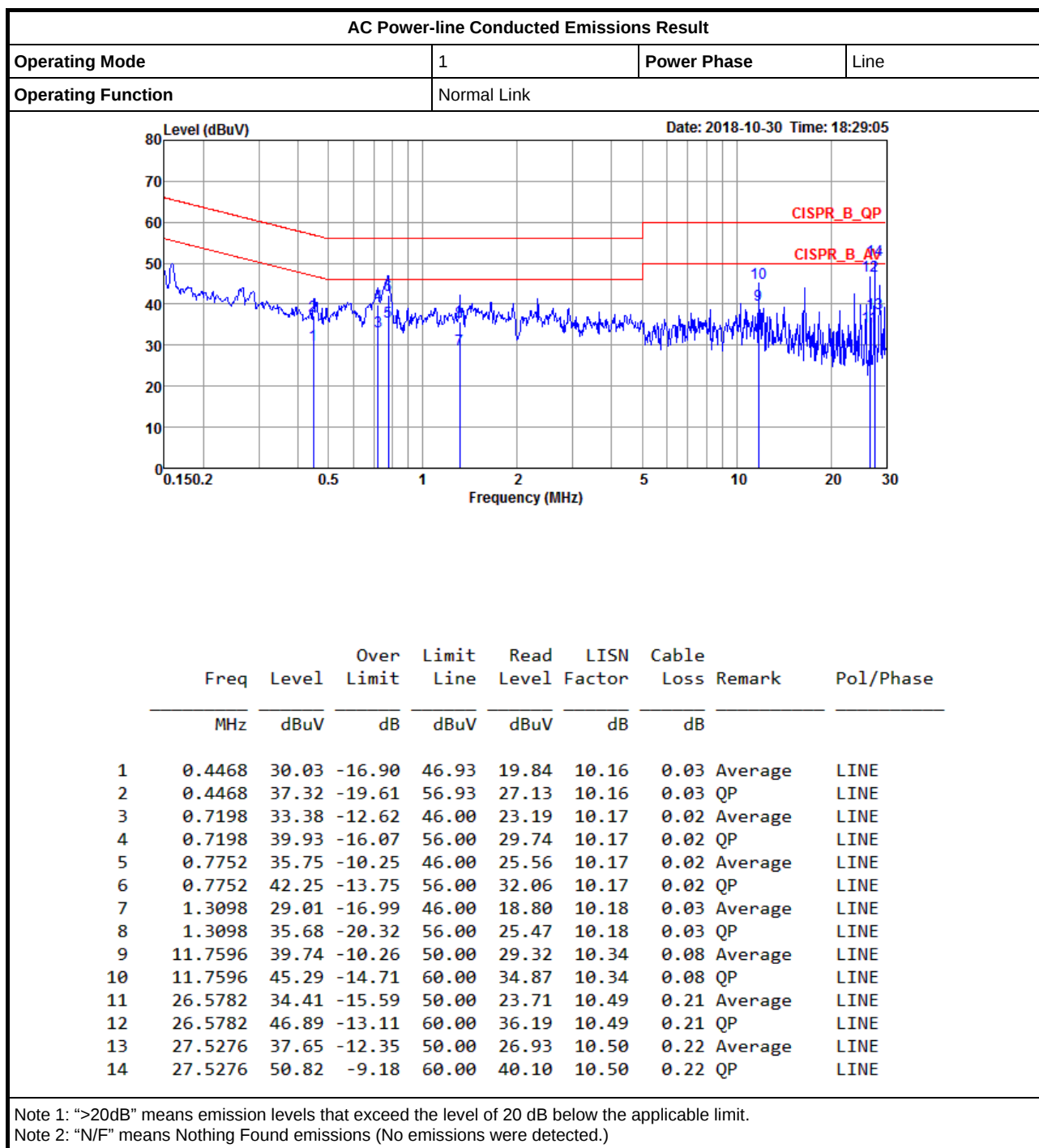
Note: Calibration Interval of instruments listed above is one year.

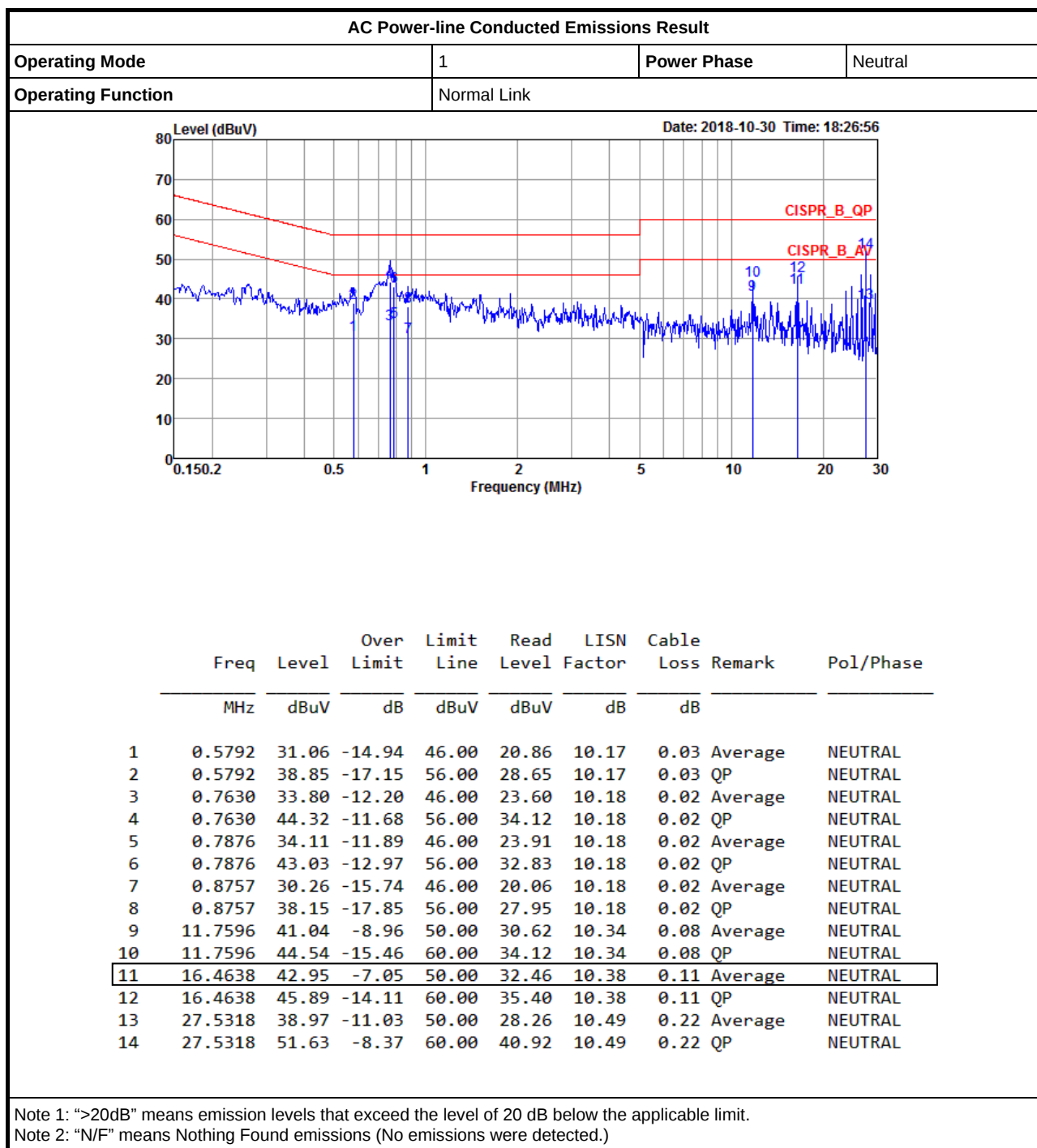
N.C.R. means Non-Calibration required.



AC Power-line Conducted Emissions Result

Appendix A





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)_1TX	48.225M	30.4M	30M4D1D	37.65M	16.95M
802.11ac VHT20_Nss1,(MCS0)_1TX	50M	31.5M	31M5D1D	42.275M	17.691M
802.11ac VHT40_Nss1,(MCS0)_1TX	88.15M	37.781M	37M8D1D	41.2M	36.082M
802.11ac VHT80_Nss1,(MCS0)_1TX	93.7M	75.462M	75M5D1D	93.7M	75.462M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	16.4M	30.95M	30M9D1D	16.375M	30.225M
802.11ac VHT20_Nss1,(MCS0)_1TX	17.675M	32.134M	32M1D1D	17.65M	31.834M
802.11ac VHT40_Nss1,(MCS0)_1TX	36.4M	65.467M	65M5D1D	36.35M	57.571M
802.11ac VHT80_Nss1,(MCS0)_1TX	76.3M	77.361M	77M4D1D	76.3M	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

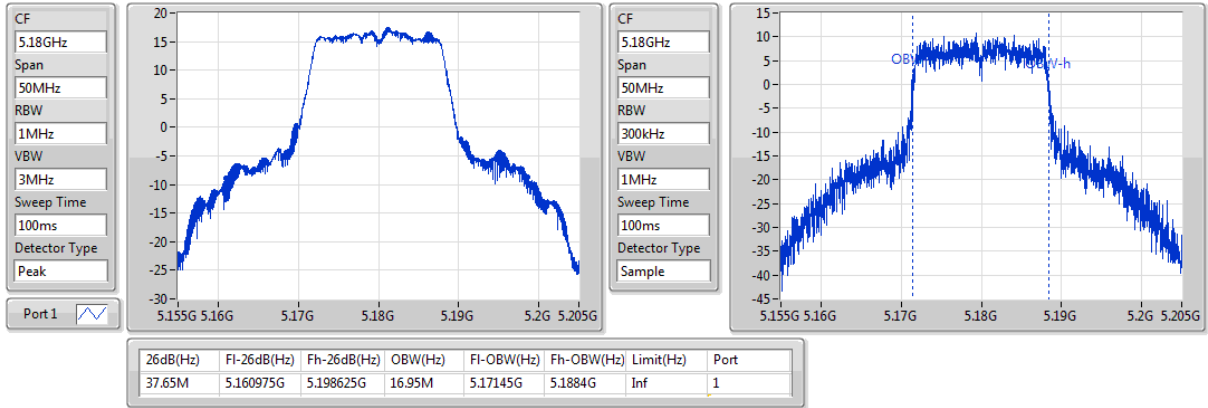
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	37.65M	16.95M
5200MHz	Pass	Inf	48.225M	30.4M
5240MHz	Pass	Inf	41.3M	19.95M
5745MHz	Pass	500k	16.4M	30.95M
5785MHz	Pass	500k	16.4M	30.95M
5825MHz	Pass	500k	16.375M	30.225M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	42.275M	17.691M
5200MHz	Pass	Inf	50M	31.5M
5240MHz	Pass	Inf	45.7M	19.475M
5745MHz	Pass	500k	17.675M	31.984M
5785MHz	Pass	500k	17.65M	31.834M
5825MHz	Pass	500k	17.675M	32.134M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	41.2M	36.082M
5230MHz	Pass	Inf	88.15M	37.781M
5755MHz	Pass	500k	36.4M	57.571M
5795MHz	Pass	500k	36.35M	65.467M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	93.7M	75.462M
5775MHz	Pass	500k	76.3M	77.361M

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

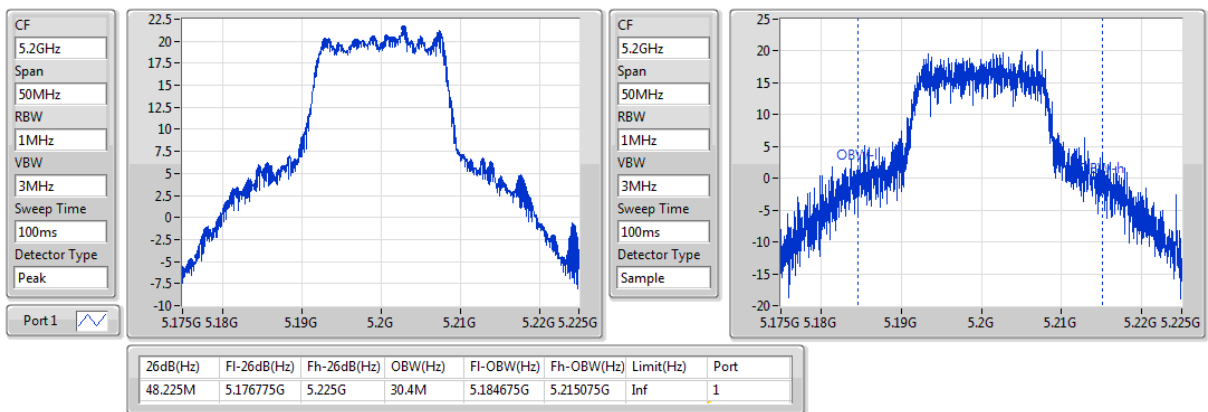
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_1TX
EBW
5180MHz

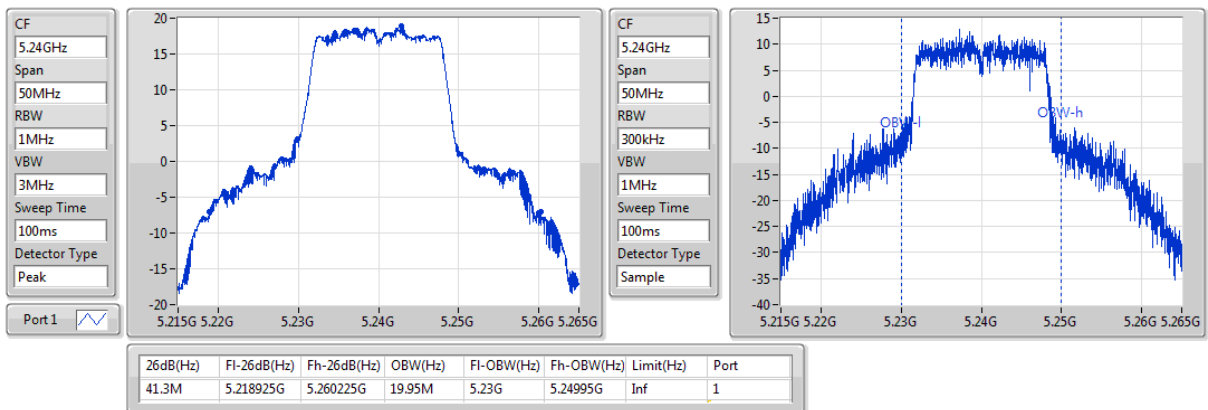
31/10/2018


802.11a_Nss1,(6Mbps)_1TX
EBW
5200MHz

31/10/2018


802.11a_Nss1,(6Mbps)_1TX
EBW
5240MHz

31/10/2018

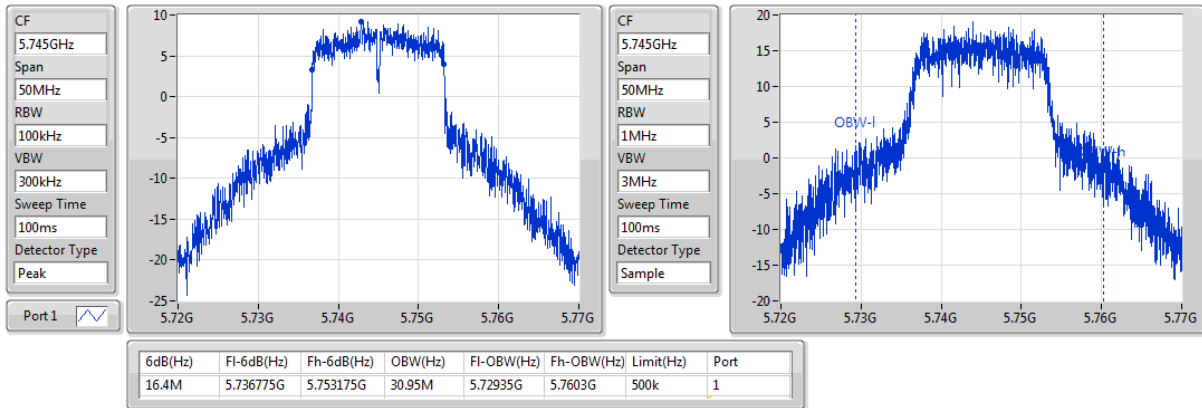


802.11a_Nss1,(6Mbps)_1TX

EBW

5745MHz

31/10/2018

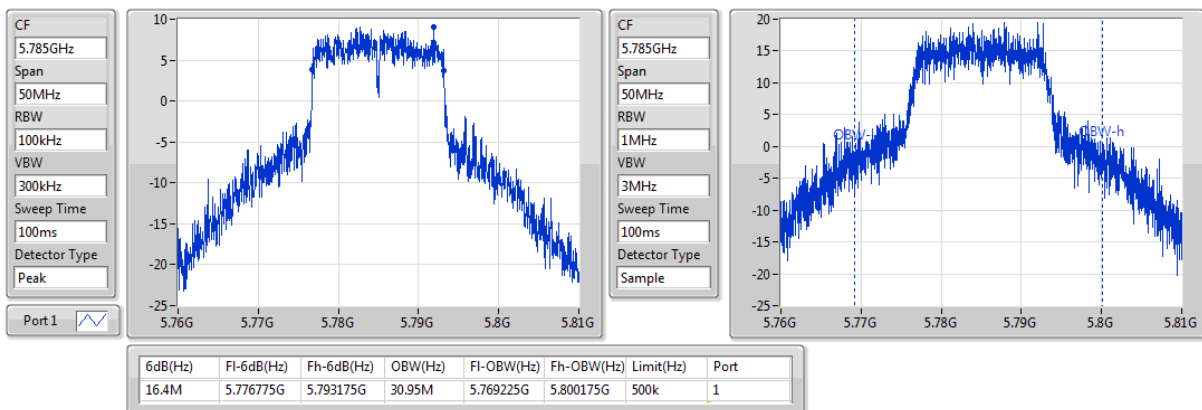


802.11a_Nss1,(6Mbps)_1TX

EBW

5785MHz

31/10/2018

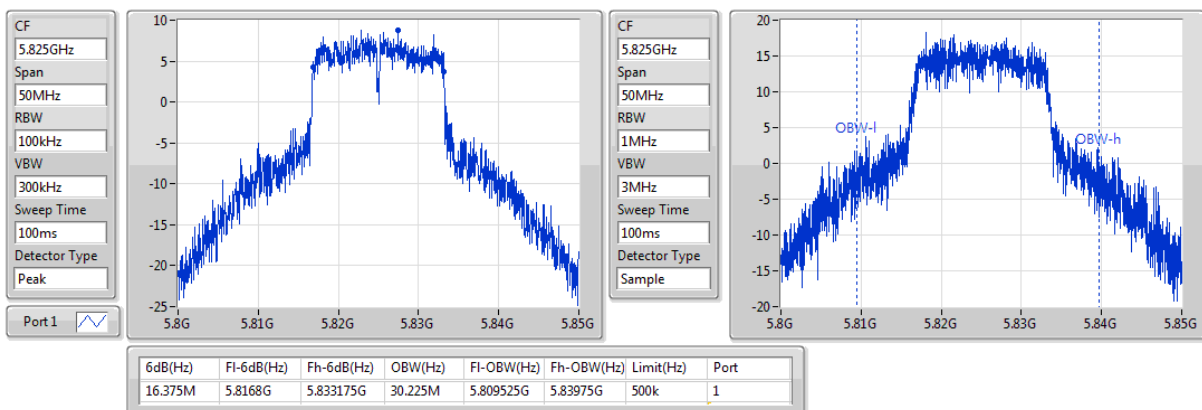


802.11a_Nss1,(6Mbps)_1TX

EBW

5825MHz

31/10/2018

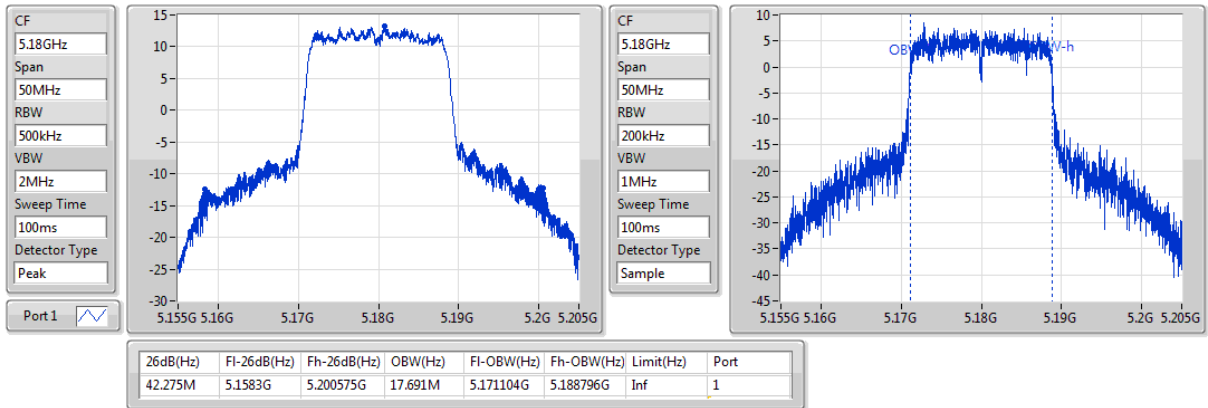


802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5180MHz

31/10/2018

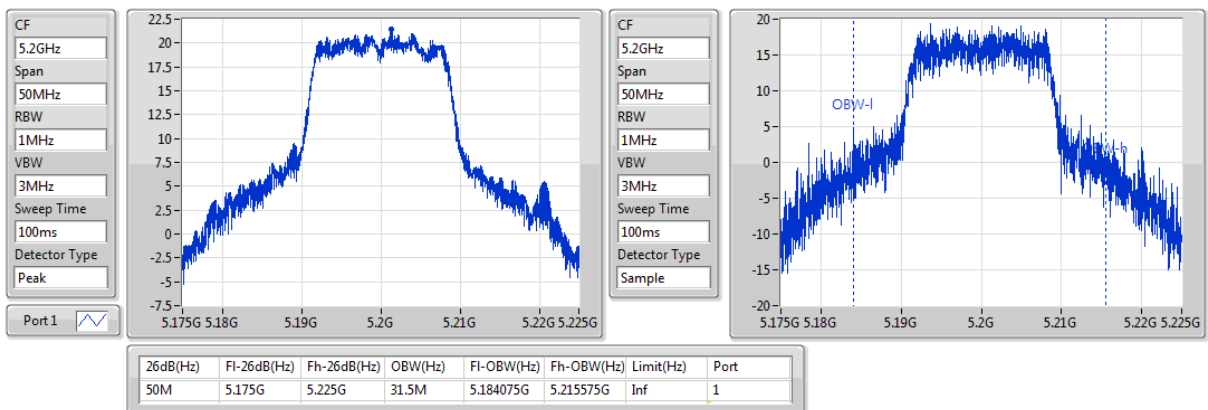


802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5200MHz

31/10/2018

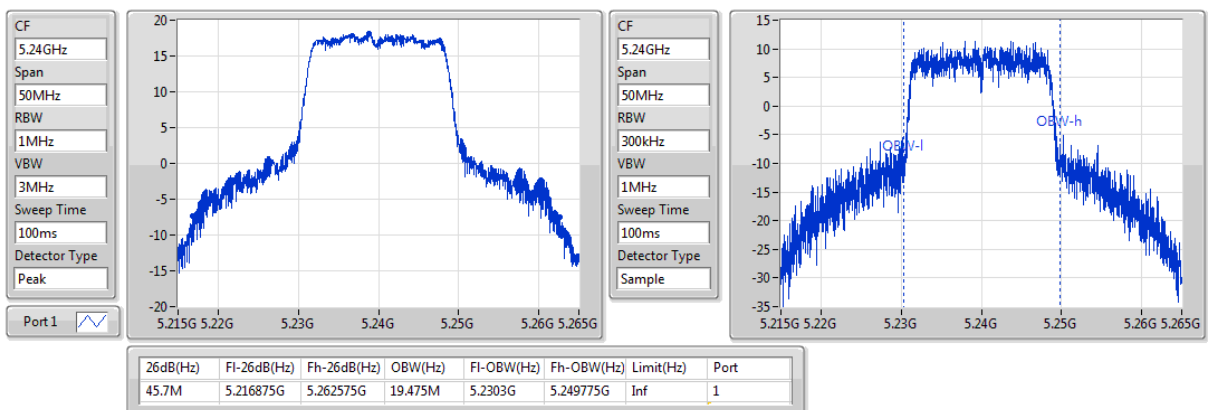


802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5240MHz

31/10/2018

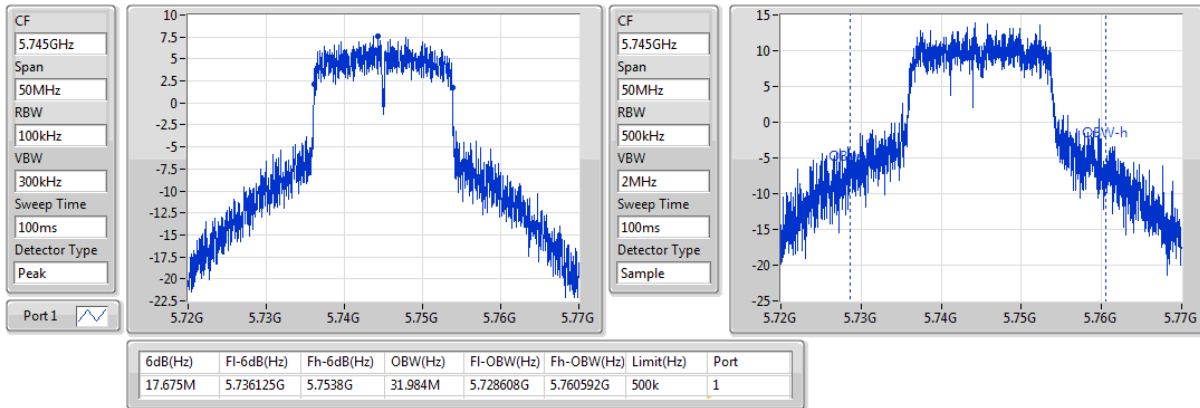


802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5745MHz

31/10/2018

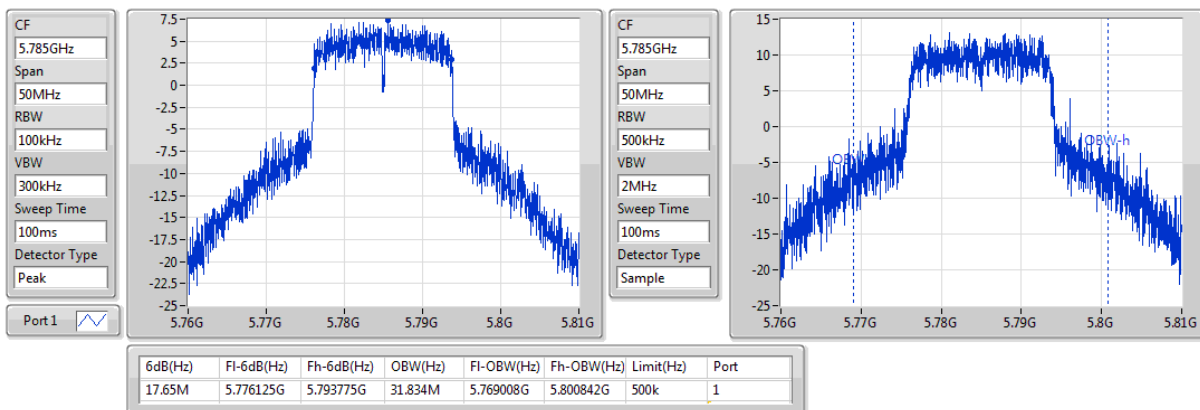


802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5785MHz

31/10/2018

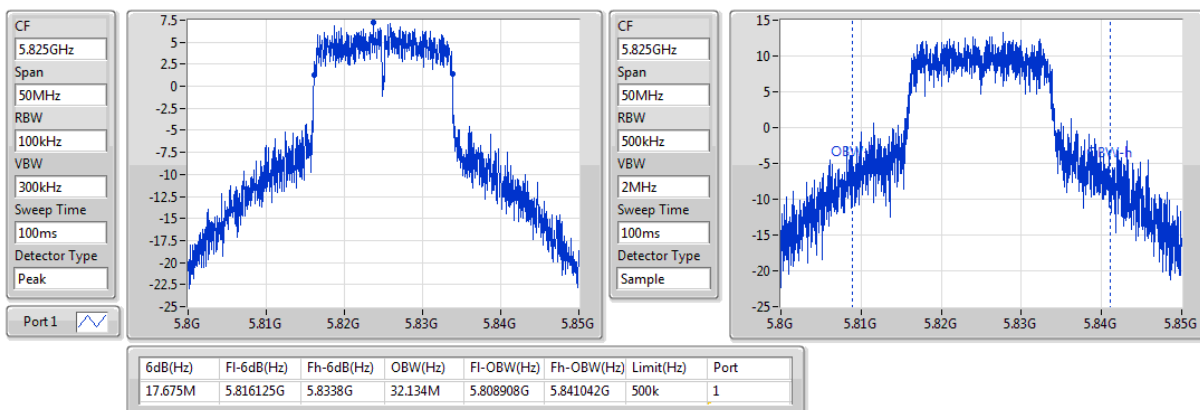


802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5825MHz

31/10/2018

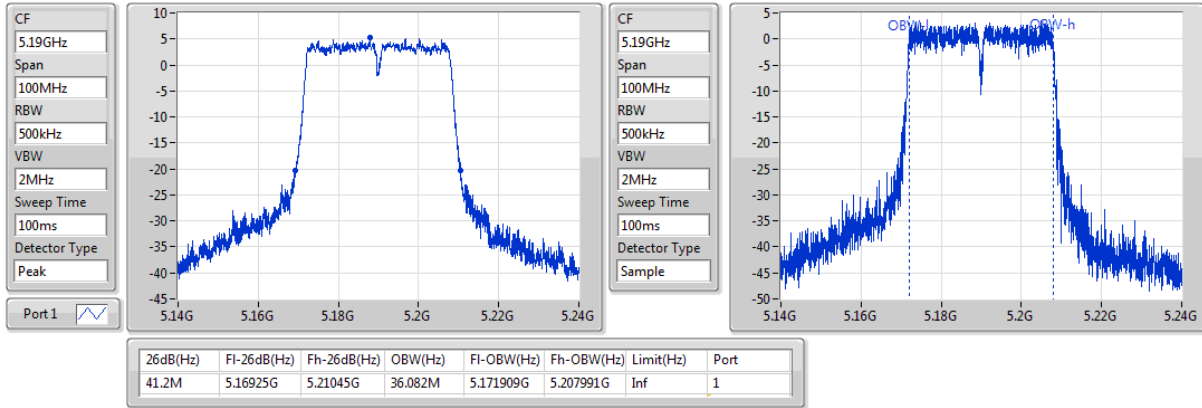


802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5190MHz

31/10/2018

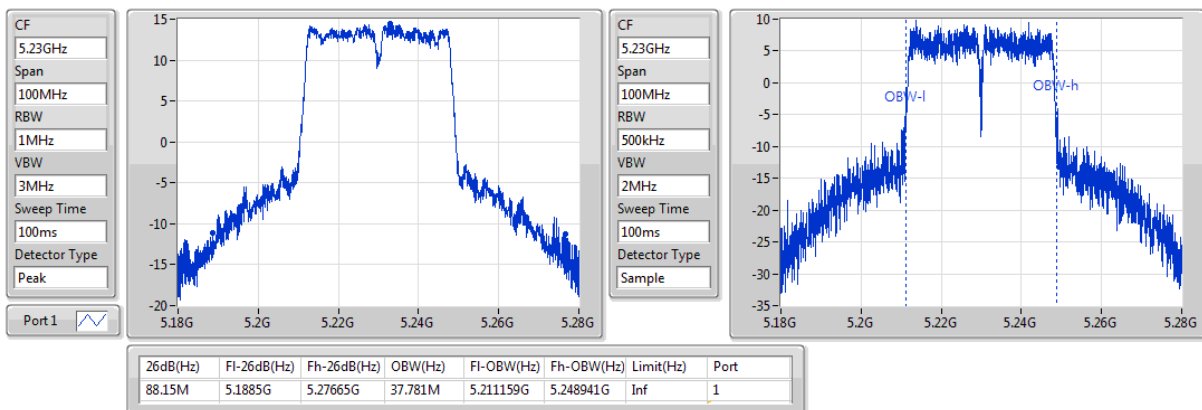


802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5230MHz

31/10/2018

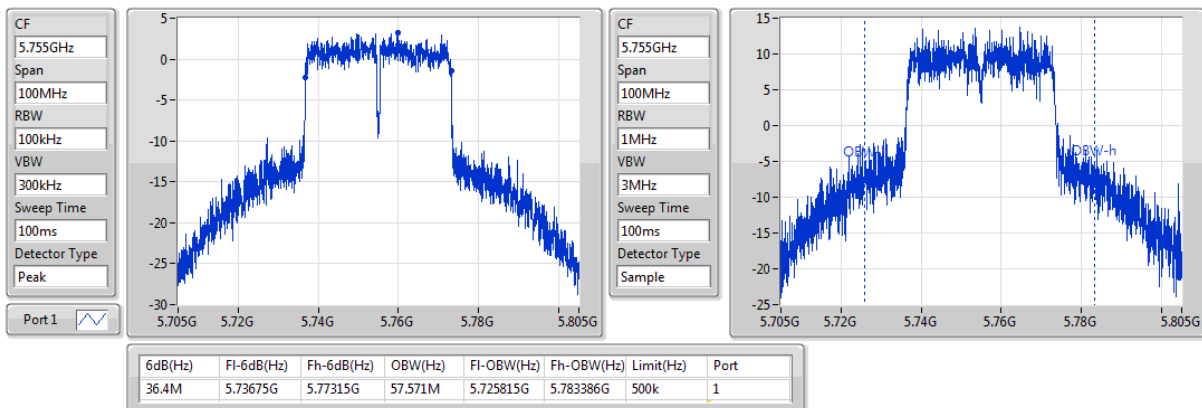


802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5755MHz

31/10/2018

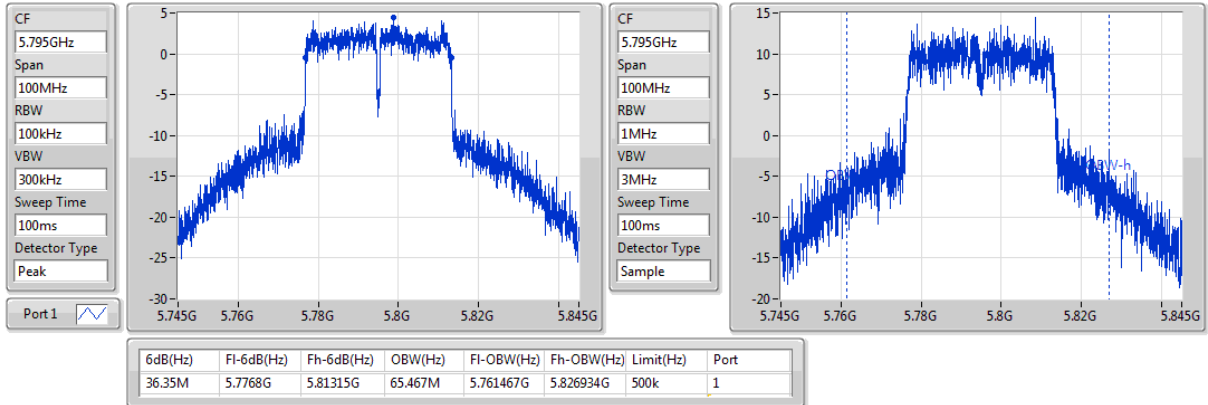


802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5795MHz

31/10/2018

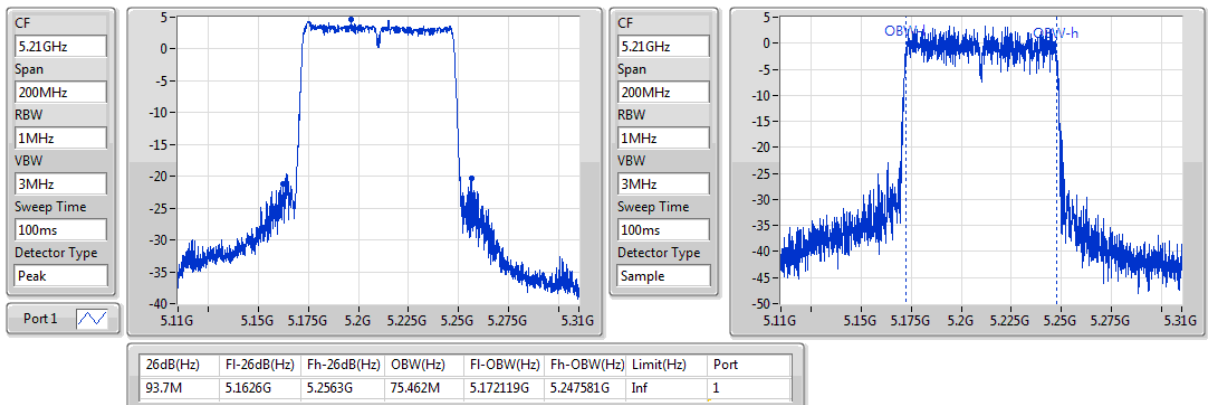


802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

5210MHz

31/10/2018

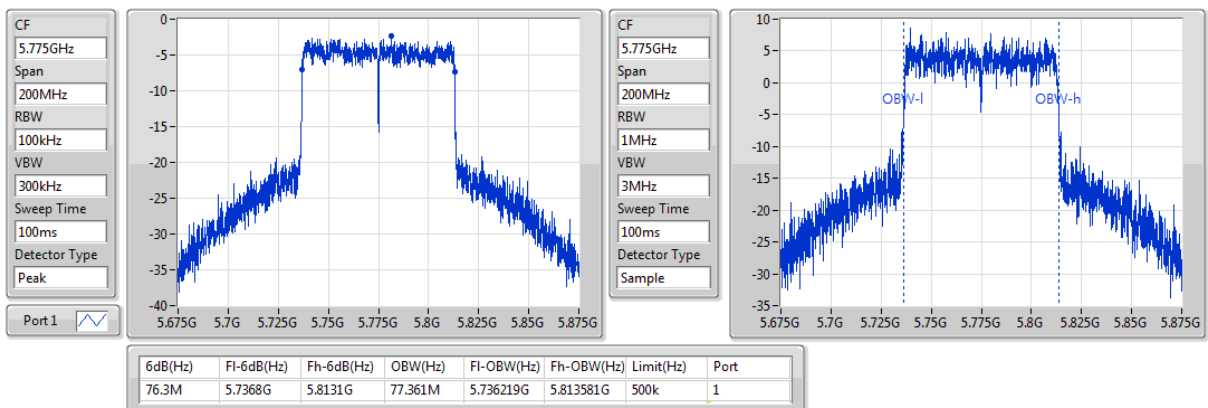


802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

5775MHz

31/10/2018





Power Result

Appendix C

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	23.46	0.22182
802.11ac VHT20_Nss1,(MCS0)_1TX	23.35	0.21627
802.11ac VHT40_Nss1,(MCS0)_1TX	21.06	0.12764
802.11ac VHT80_Nss1,(MCS0)_1TX	14.35	0.02723
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	22.21	0.16634
802.11ac VHT20_Nss1,(MCS0)_1TX	21.98	0.15776
802.11ac VHT40_Nss1,(MCS0)_1TX	21.66	0.14655
802.11ac VHT80_Nss1,(MCS0)_1TX	18.72	0.07447



Power Result

Appendix C

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	3.00	19.75	19.75	30.00
5200MHz	Pass	3.00	23.46	23.46	30.00
5240MHz	Pass	3.00	21.13	21.13	30.00
5745MHz	Pass	3.00	22.21	22.21	30.00
5785MHz	Pass	3.00	22.00	22.00	30.00
5825MHz	Pass	3.00	21.86	21.86	30.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	3.00	20.12	20.12	30.00
5200MHz	Pass	3.00	23.35	23.35	30.00
5240MHz	Pass	3.00	20.83	20.83	30.00
5745MHz	Pass	3.00	21.98	21.98	30.00
5785MHz	Pass	3.00	21.56	21.56	30.00
5825MHz	Pass	3.00	21.56	21.56	30.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	3.00	15.69	15.69	30.00
5230MHz	Pass	3.00	21.06	21.06	30.00
5755MHz	Pass	3.00	21.06	21.06	30.00
5795MHz	Pass	3.00	21.66	21.66	30.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	3.00	14.35	14.35	30.00
5775MHz	Pass	3.00	18.72	18.72	30.00

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



PSD Result

Appendix D

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	10.69
802.11ac VHT20_Nss1,(MCS0)_1TX	10.30
802.11ac VHT40_Nss1,(MCS0)_1TX	4.27
802.11ac VHT80_Nss1,(MCS0)_1TX	-5.25
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_1TX	6.75
802.11ac VHT20_Nss1,(MCS0)_1TX	6.59
802.11ac VHT40_Nss1,(MCS0)_1TX	3.38
802.11ac VHT80_Nss1,(MCS0)_1TX	-2.27

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	3.00	6.76	6.76	17.00
5200MHz	Pass	3.00	10.69	10.69	17.00
5240MHz	Pass	3.00	8.56	8.56	17.00
5745MHz	Pass	3.00	6.75	6.75	30.00
5785MHz	Pass	3.00	6.75	6.75	30.00
5825MHz	Pass	3.00	6.17	6.17	30.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	3.00	7.12	7.12	17.00
5200MHz	Pass	3.00	10.30	10.30	17.00
5240MHz	Pass	3.00	7.89	7.89	17.00
5745MHz	Pass	3.00	6.59	6.59	30.00
5785MHz	Pass	3.00	6.41	6.41	30.00
5825MHz	Pass	3.00	6.21	6.21	30.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	3.00	-1.17	-1.17	17.00
5230MHz	Pass	3.00	4.27	4.27	17.00
5755MHz	Pass	3.00	2.74	2.74	30.00
5795MHz	Pass	3.00	3.38	3.38	30.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	3.00	-5.25	-5.25	17.00
5775MHz	Pass	3.00	-2.27	-2.27	30.00

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

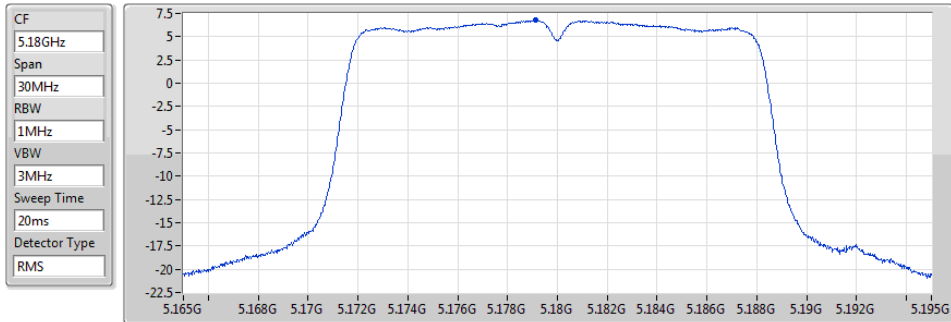
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_1TX

PSD

5180MHz

31/10/2018



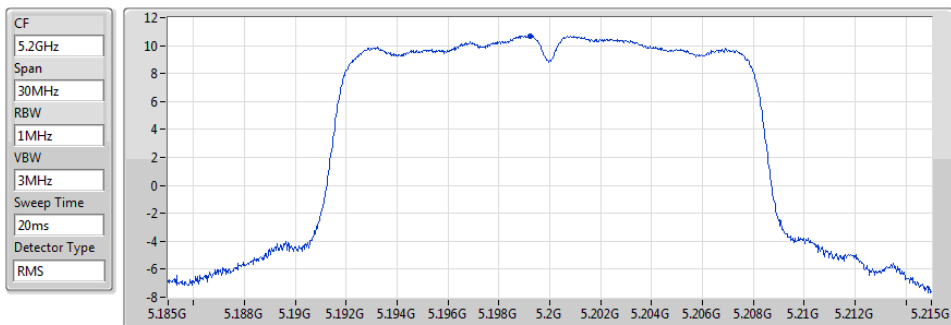
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.76	6.76	6.76

802.11a_Nss1,(6Mbps)_1TX

PSD

5200MHz

31/10/2018



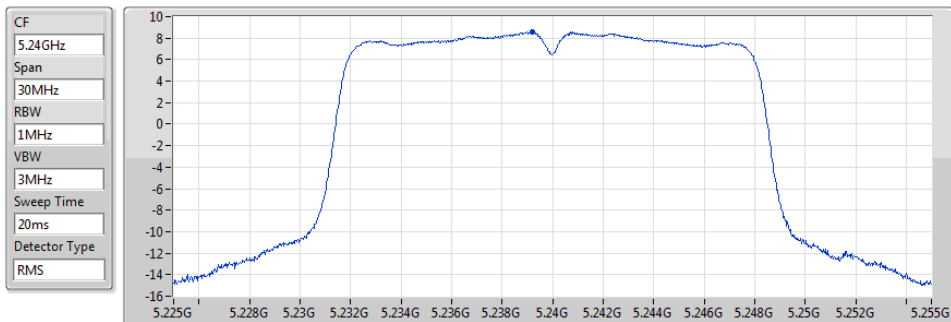
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.69	10.69	10.69

802.11a_Nss1,(6Mbps)_1TX

PSD

5240MHz

31/10/2018



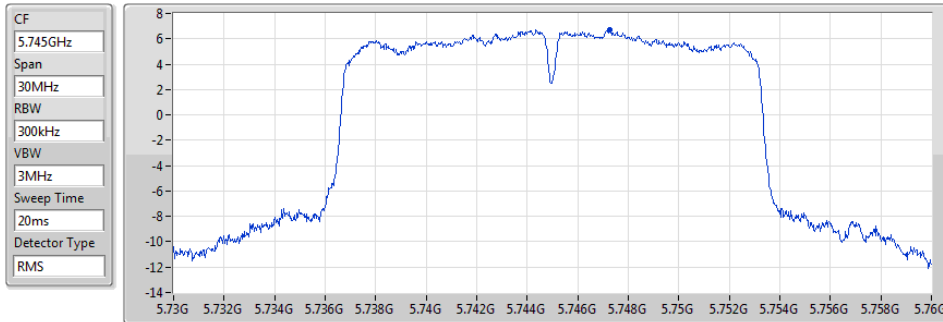
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.56	8.56	8.56

802.11a_Nss1,(6Mbps)_1TX

PSD

5745MHz

31/10/2018



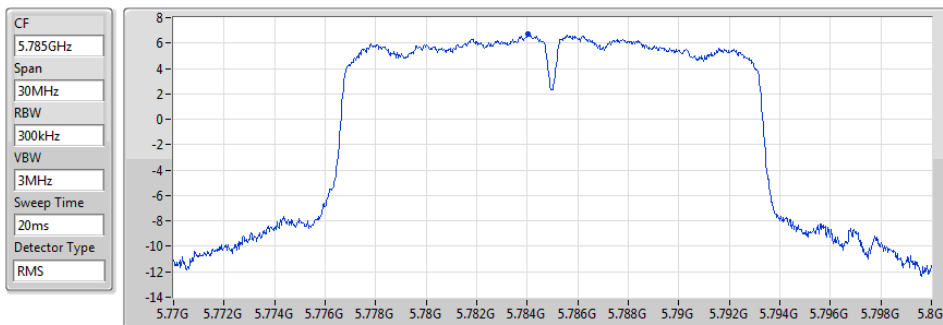
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
6.75	6.75	6.75

802.11a_Nss1,(6Mbps)_1TX

PSD

5785MHz

31/10/2018



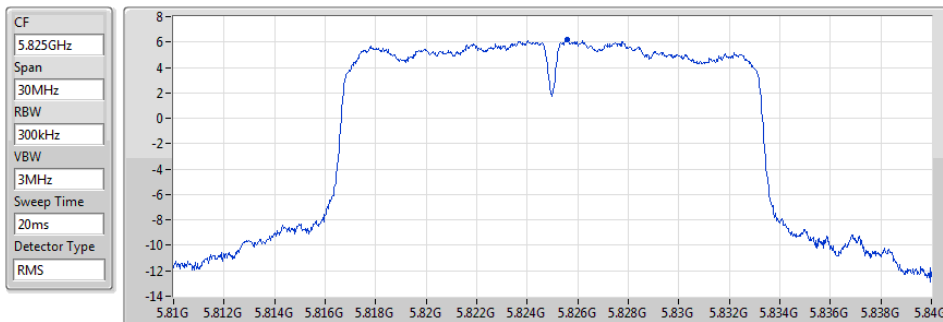
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
6.75	6.75	6.75

802.11a_Nss1,(6Mbps)_1TX

PSD

5825MHz

31/10/2018



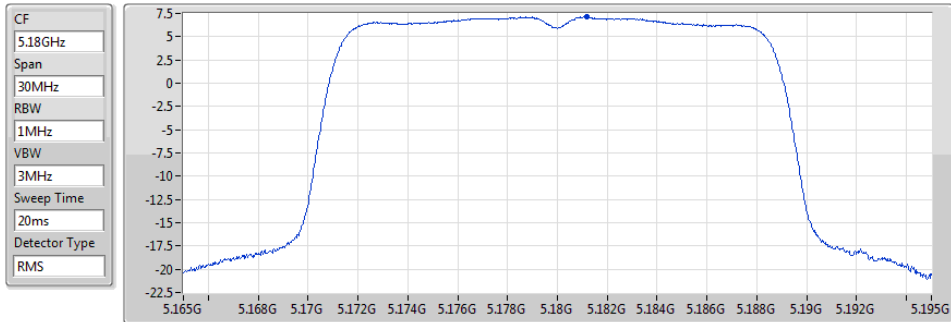
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
6.17	6.17	6.17

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5180MHz

31/10/2018



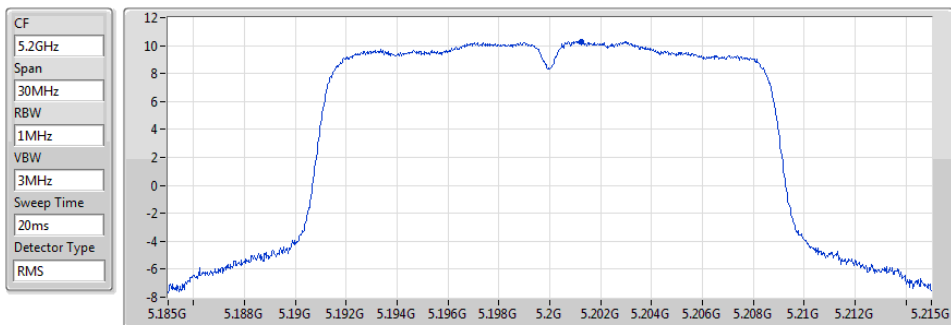
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.12	7.12	7.12

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5200MHz

31/10/2018



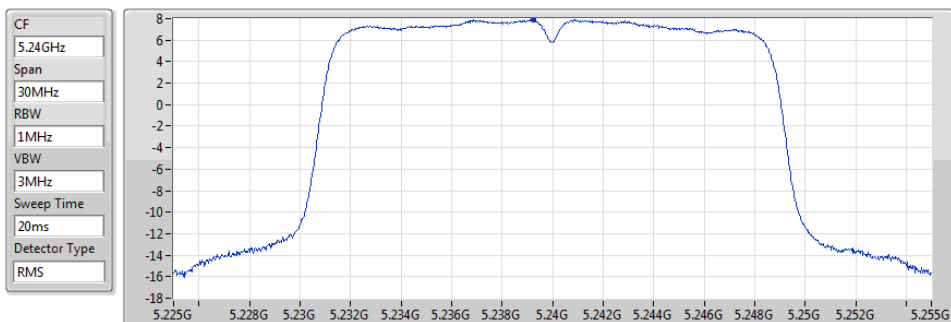
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.30	10.30	10.30

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5240MHz

31/10/2018



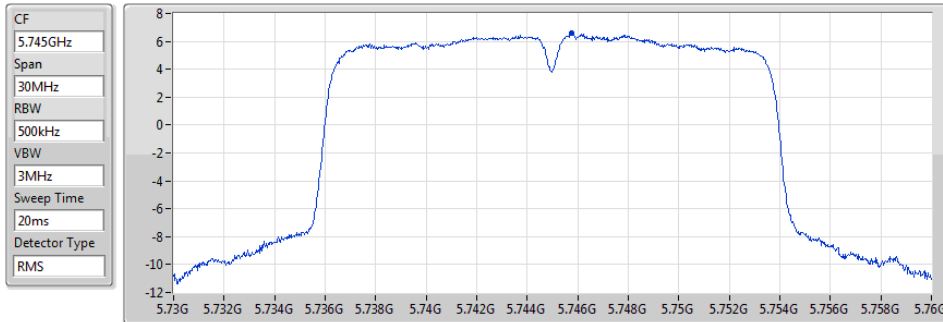
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.89	7.89	7.89

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5745MHz

31/10/2018



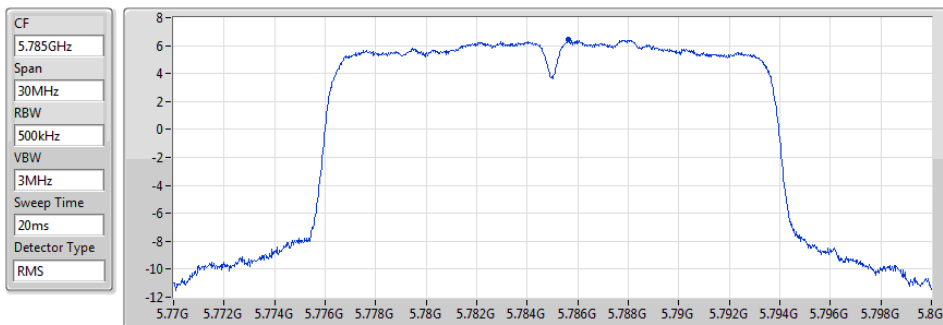
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.59	6.59	6.59

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5785MHz

31/10/2018



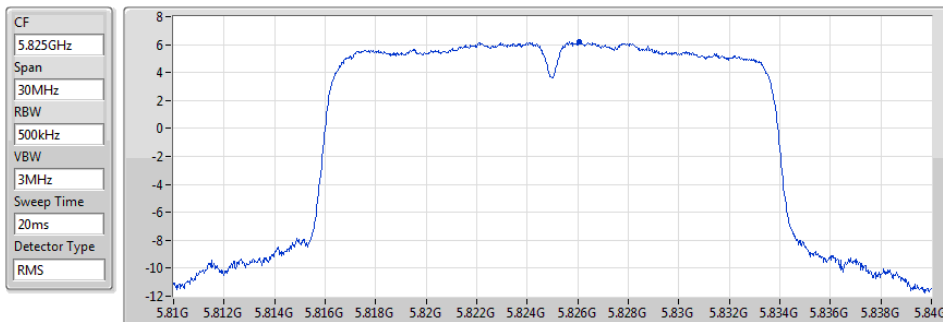
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.41	6.41	6.41

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5825MHz

31/10/2018



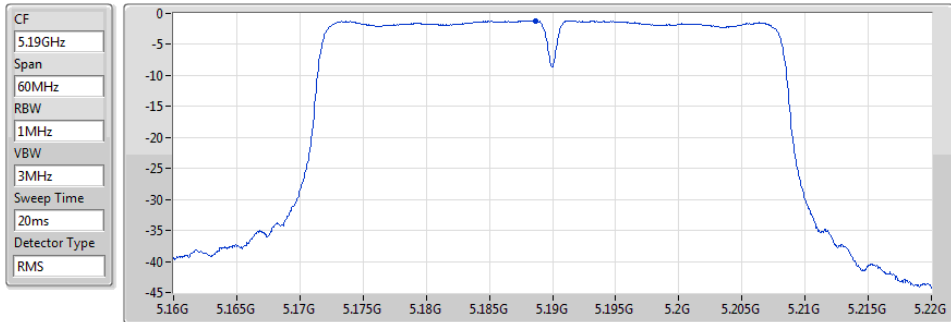
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.21	6.21	6.21

802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5190MHz

31/10/2018



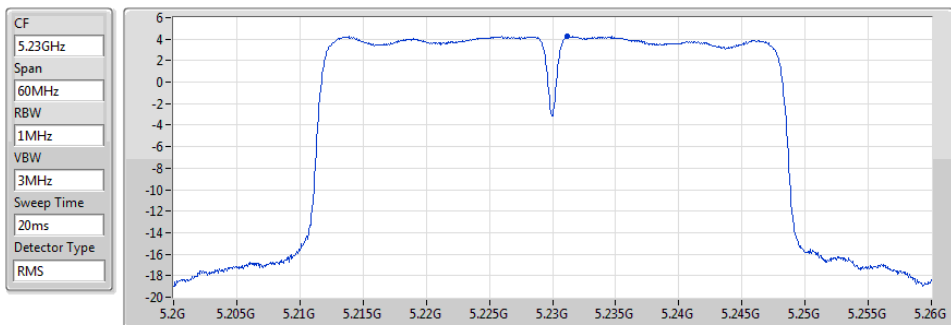
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.17	-1.17	-1.17

802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5230MHz

31/10/2018



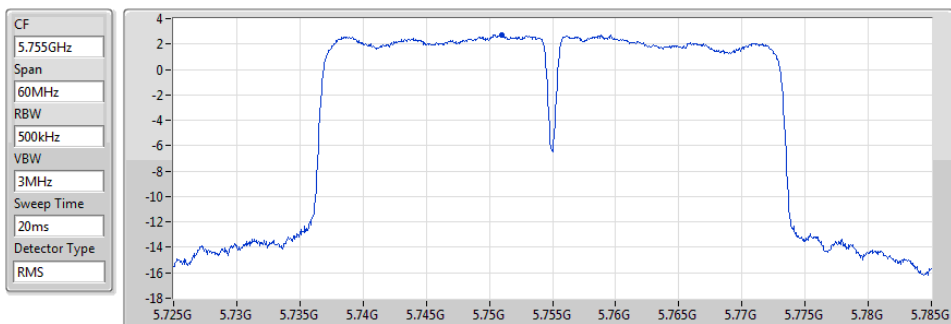
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.27	4.27	4.27

802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5755MHz

31/10/2018



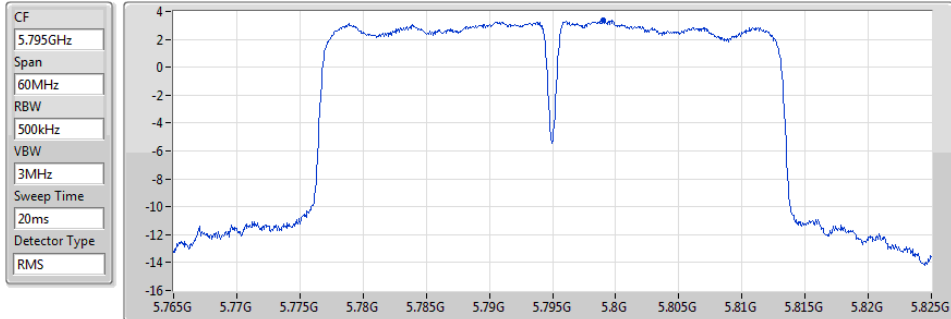
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.74	2.74	2.74

802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5795MHz

31/10/2018



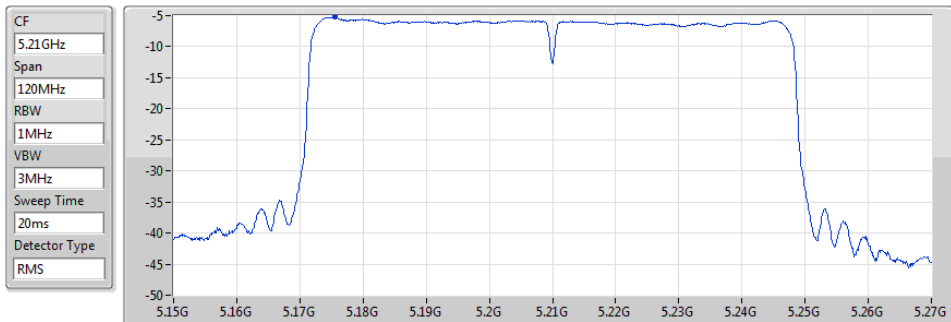
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.38	3.38	3.38

802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

5210MHz

31/10/2018



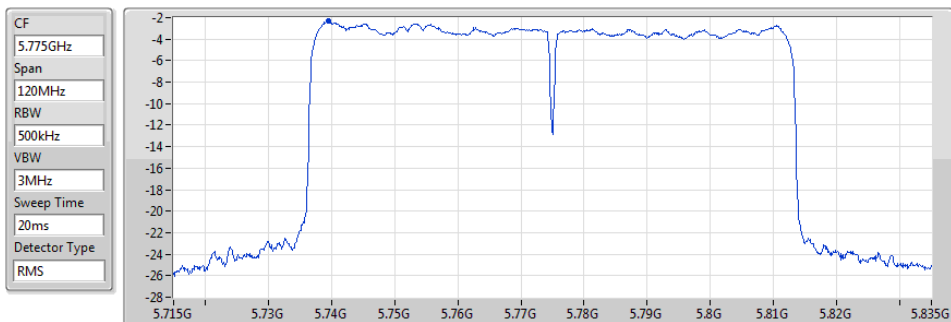
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-5.25	-5.25	-5.25

802.11ac VHT80_Nss1,(MCS0)_1TX

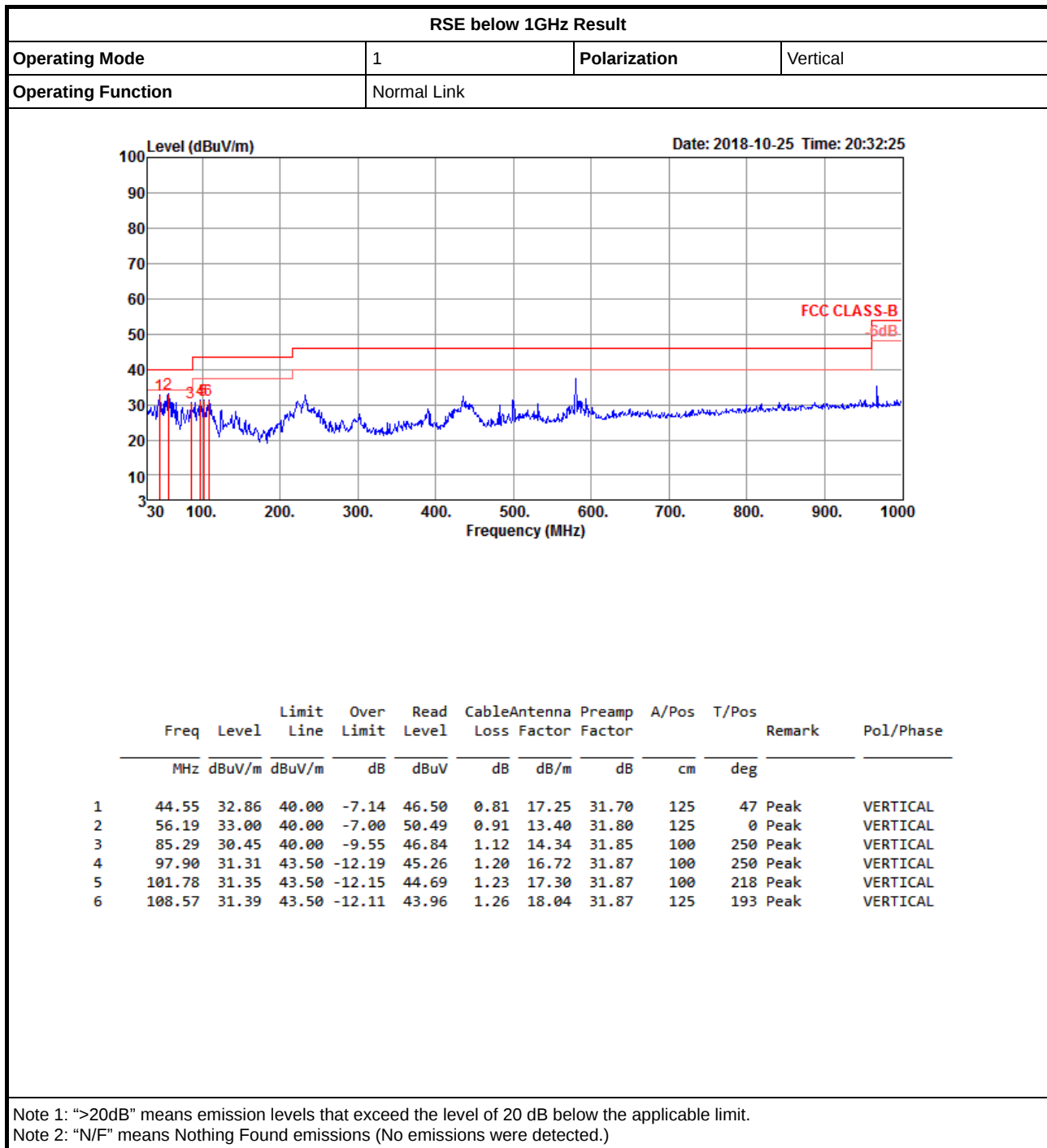
PSD

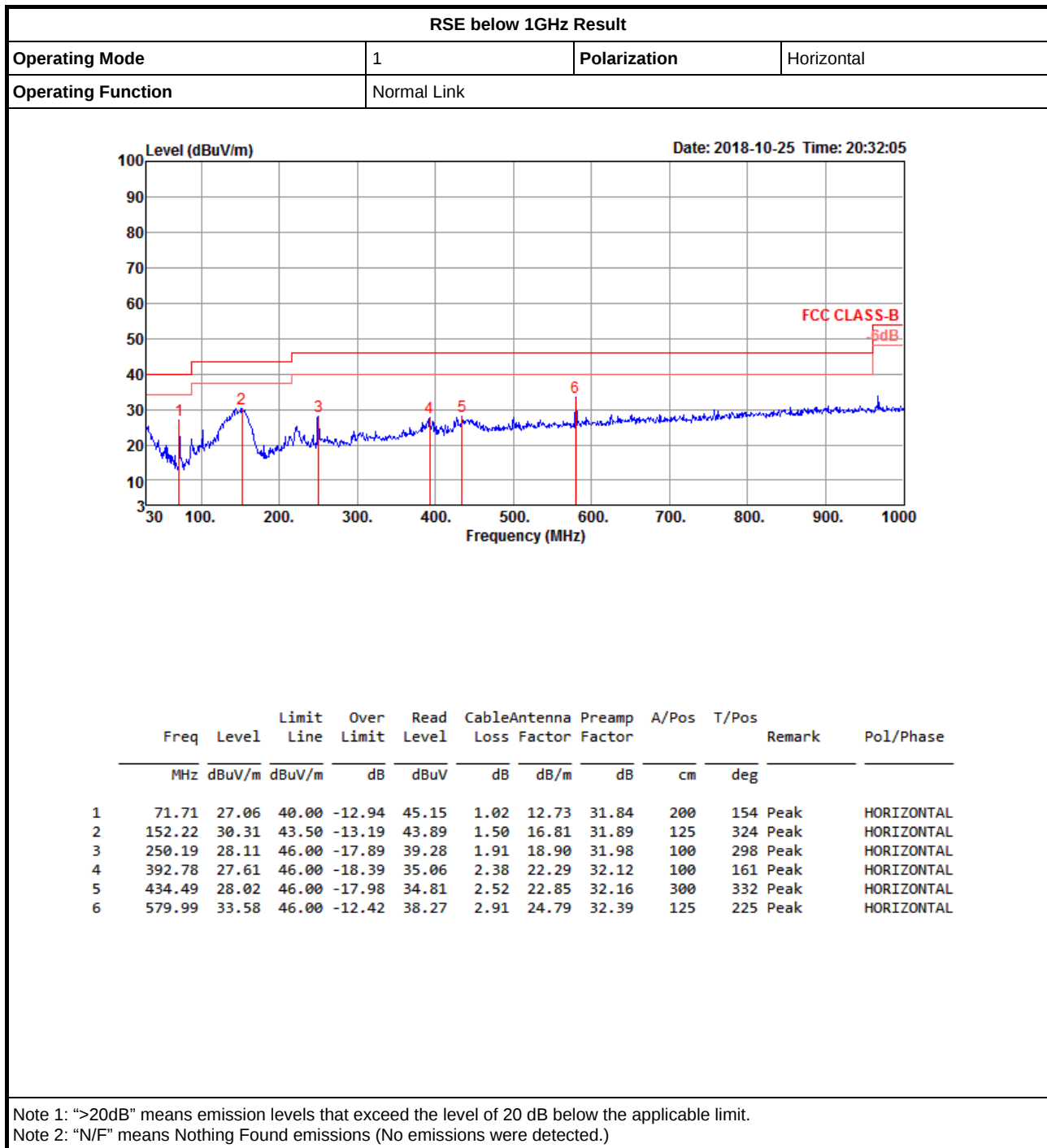
5775MHz

31/10/2018



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.27	-2.27	-2.27







RSE TX above 1GHz Result

Appendix E.2

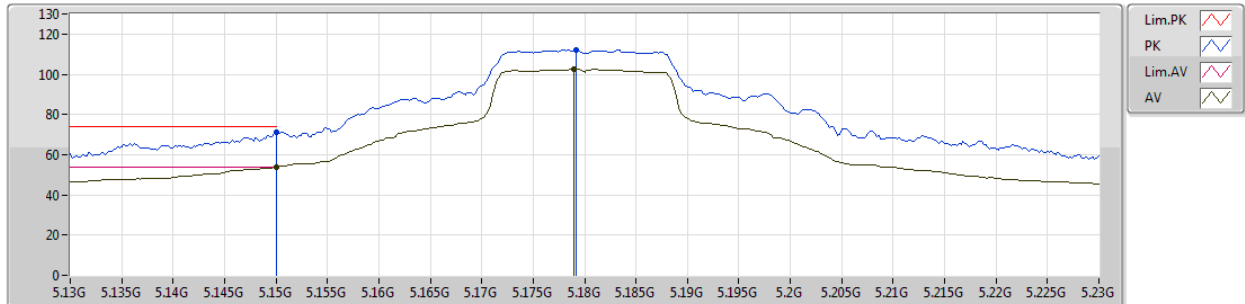
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT80_Nss1,(MCS0)_1TX	Pass	AV	5.15G	53.99	54.00	-0.01	4.90	3	Vertical	321	2.20	-

802.11a_Nss1.(6Mbps)_1TX

29/10/2018

5180MHz_TX



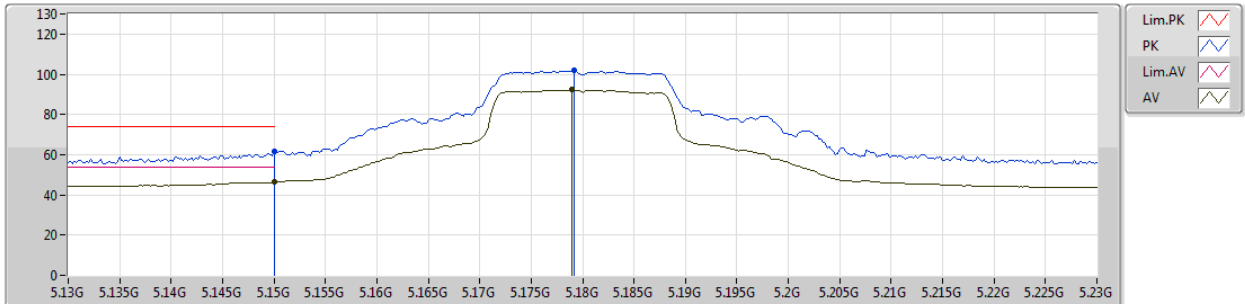
EUT_Z_1TX
Setting 14
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.15G	70.90	74.00	-3.10	4.90	3	Vertical	318	2.03	-
AV	5.15G	53.88	54.00	-0.12	4.90	3	Vertical	318	2.03	-
PK	5.1792G	112.16	Inf	-Inf	4.94	3	Vertical	318	2.03	-
AV	5.179G	102.48	Inf	-Inf	4.94	3	Vertical	318	2.03	-

802.11a_Nss1,(6Mbps)_1TX

29/10/2018

5180MHz_TX



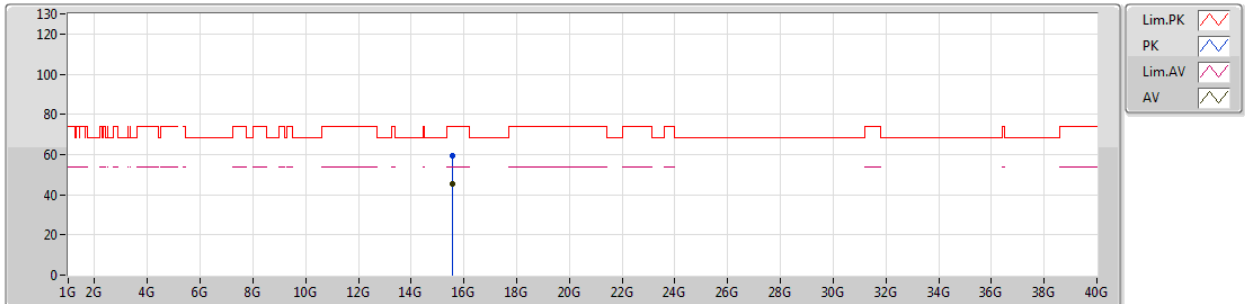
EUT_Z_1TX
Setting 14
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
PK	5.15G	61.69	74.00	-12.31	4.90	3	Horizontal	256	1.74	-								
AV	5.15G	46.29	54.00	-7.71	4.90	3	Horizontal	256	1.74	-								
PK	5.1792G	101.82	Inf	-Inf	4.94	3	Horizontal	256	1.74	-								
AV	5.179G	92.18	Inf	-Inf	4.94	3	Horizontal	256	1.74	-								

802.11a_Nss1,(6Mbps)_1TX

29/10/2018

5180MHz_TX



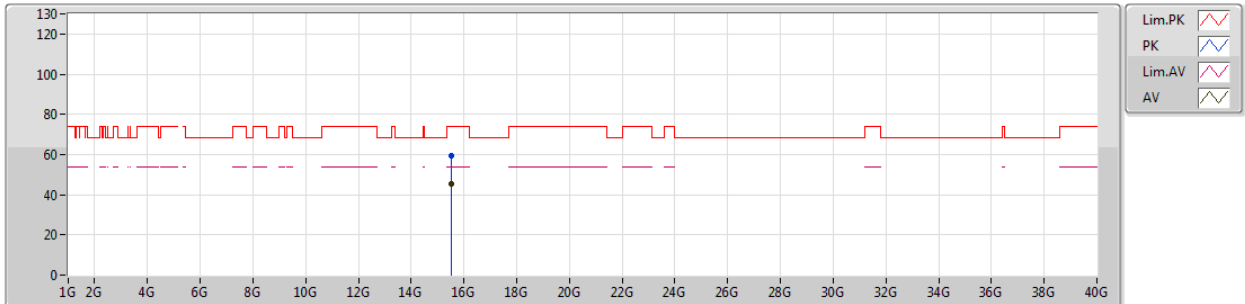
EUT_Z_1TX
Setting 14
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.5656G	59.12	74.00	-14.88	15.90	3	Vertical	202	1.40	-						
AV	15.5476G	45.25	54.00	-8.75	15.93	3	Vertical	202	1.40	-						

802.11a_Nss1,(6Mbps)_1TX

29/10/2018

5180MHz_TX



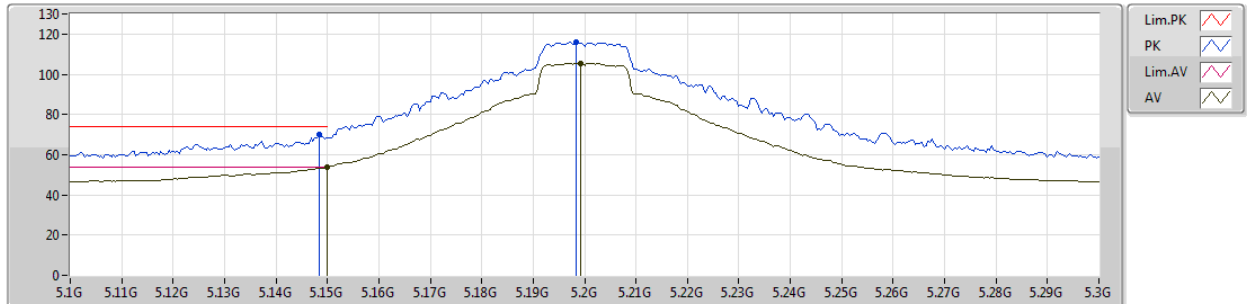
EUT_Z_1TX
Setting 14
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.5348G	59.32	74.00	-14.68	15.93	3	Horizontal	127	1.61	-						
AV	15.5396G	45.48	54.00	-8.52	15.93	3	Horizontal	127	1.61	-						

802.11a_Nss1,(6Mbps)_1TX

29/10/2018

5200MHz_TX



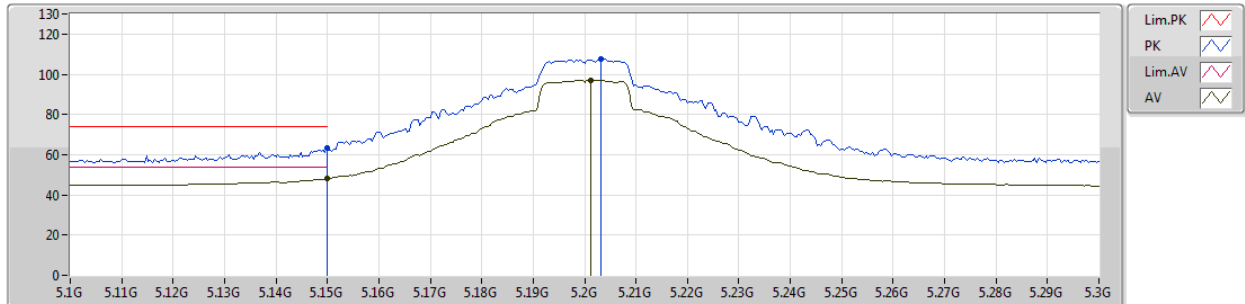
EUT_Z_1TX
Setting 26
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
PK	5.1484G	69.80	74.00	-4.20	4.90	3	Vertical	89	2.12	-								
AV	5.15G	53.81	54.00	-0.19	4.90	3	Vertical	89	2.12	-								
PK	5.1984G	115.91	Inf	-Inf	4.96	3	Vertical	89	2.12	-								
AV	5.1992G	105.53	Inf	-Inf	4.96	3	Vertical	89	2.12	-								

802.11a_Nss1,(6Mbps)_1TX

29/10/2018

5200MHz_TX



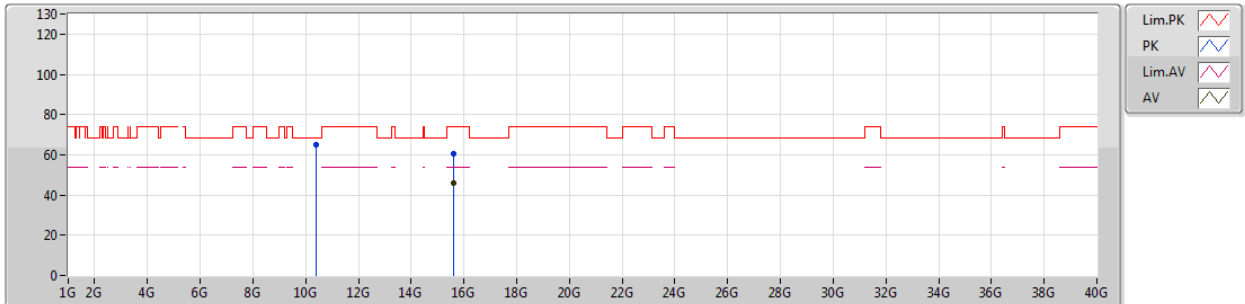
EUT_Z_1TX
Setting 26
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.15G	63.25	74.00	-10.75	4.90	3	Horizontal	164	1.79	-
AV	5.15G	48.05	54.00	-5.95	4.90	3	Horizontal	164	1.79	-
PK	5.2032G	107.43	Inf	-Inf	4.98	3	Horizontal	164	1.79	-
AV	5.2012G	97.12	Inf	-Inf	4.96	3	Horizontal	164	1.79	-

802.11a_Nss1,(6Mbps)_1TX

29/10/2018

5200MHz_TX



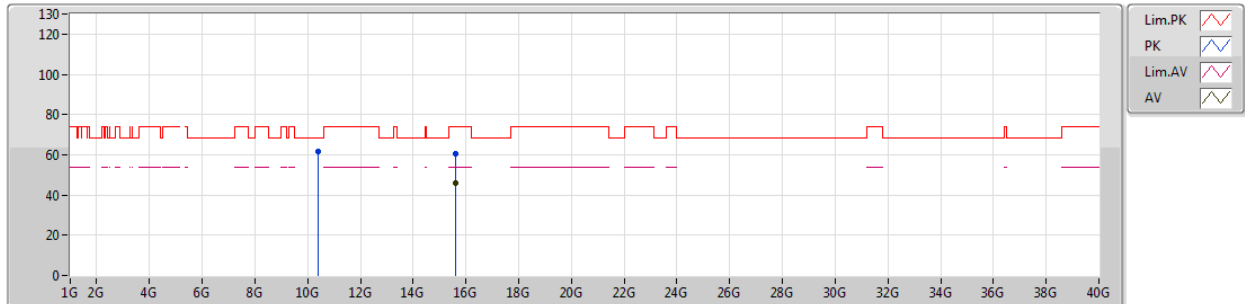
EUT_Z_1TX
Setting 26
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	10.4006G	65.12	68.20	-3.08	12.70	3	Vertical	90	1.68	-						
PK	15.60048G	60.43	74.00	-13.57	15.83	3	Vertical	95	1.38	-						
AV	15.59268G	46.00	54.00	-8.00	15.84	3	Vertical	95	1.38	-						

802.11a_Nss1.(6Mbps)_1TX

29/10/2018

5200MHz_TX



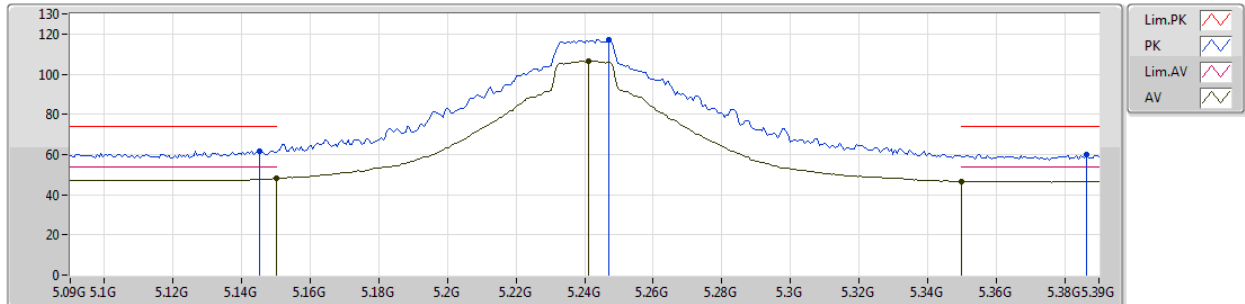
EUT_Z_1TX
Setting 26
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.40054G	61.66	68.20	-6.54	12.70	3	Horizontal	102	2.56	-
PK	15.59772G	60.49	74.00	-13.51	15.84	3	Horizontal	150	1.79	-
AV	15.59862G	45.89	54.00	-8.11	15.84	3	Horizontal	150	1.79	-

802.11a_Nss1,(6Mbps)_1TX

29/10/2018

5240MHz_TX



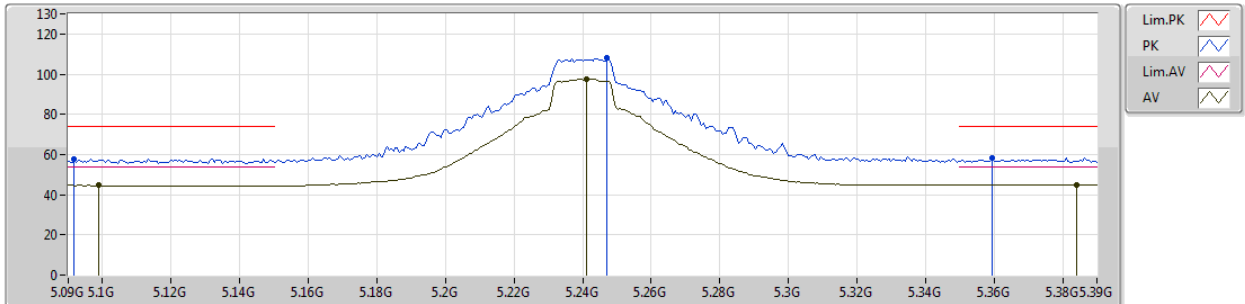
EUT_Z_1TX
Setting 28
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1452G	61.75	74.00	-12.25	4.89	3	Vertical	321	2.06	-
AV	5.15G	48.02	54.00	-5.98	4.90	3	Vertical	321	2.06	-
PK	5.2472G	117.21	Inf	-Inf	5.17	3	Vertical	321	2.06	-
AV	5.2412G	106.67	Inf	-Inf	5.14	3	Vertical	321	2.06	-
PK	5.3864G	60.04	74.00	-13.96	5.74	3	Vertical	321	2.06	-
AV	5.35G	46.64	54.00	-7.36	5.60	3	Vertical	321	2.06	-

802.11a_Nss1,(6Mbps)_1TX

29/10/2018

5240MHz_TX



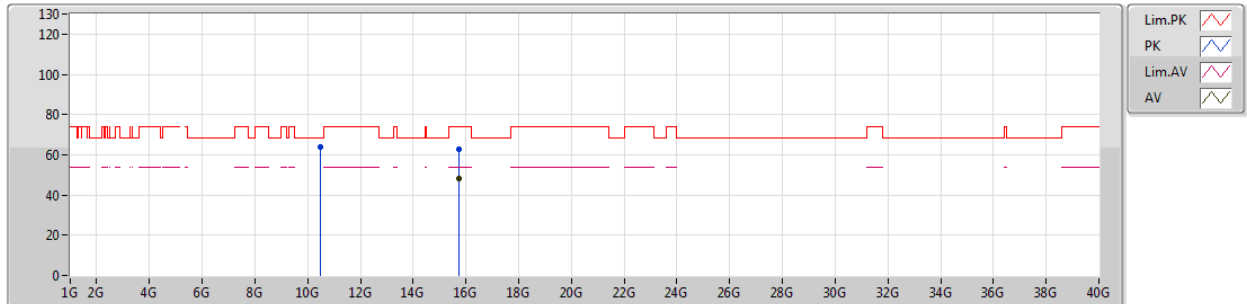
EUT_Z_1TX
Setting 28
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.0918G	57.64	74.00	-16.36	4.82	3	Horizontal	163	1.63	-
AV	5.099G	44.59	54.00	-9.41	4.84	3	Horizontal	163	1.63	-
AV	5.2412G	97.51	Inf	-Inf	5.14	3	Horizontal	163	1.63	-
PK	5.2472G	107.88	Inf	-Inf	5.17	3	Horizontal	163	1.63	-
AV	5.384G	45.10	54.00	-8.90	5.72	3	Horizontal	163	1.63	-
PK	5.3594G	58.24	74.00	-15.76	5.64	3	Horizontal	163	1.63	-

802.11a_Nss1,(6Mbps)_1TX

29/10/2018

5240MHz_TX



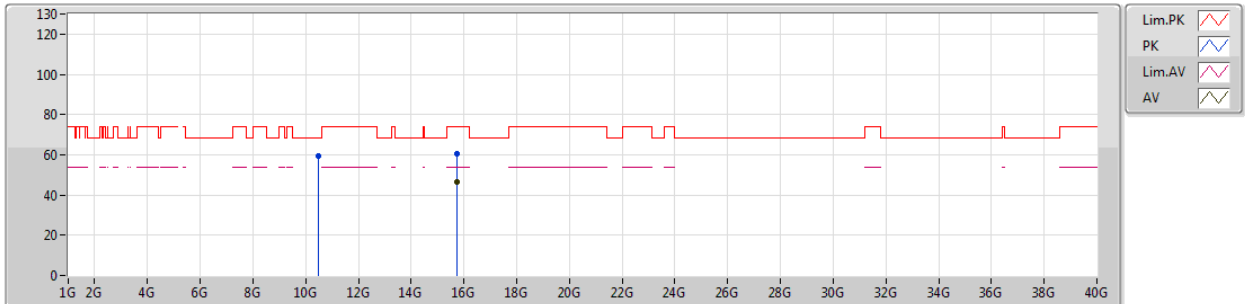
EUT_Z_1TX
Setting 28
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	10.48282G	63.91	68.20	-4.29	12.78	3	Vertical	88	1.82	-						
PK	15.72516G	62.75	74.00	-11.25	15.64	3	Vertical	213	1.27	-						
AV	15.7266G	48.36	54.00	-5.64	15.64	3	Vertical	213	1.27	-						

802.11a_Nss1.(6Mbps)_1TX

29/10/2018

5240MHz_TX



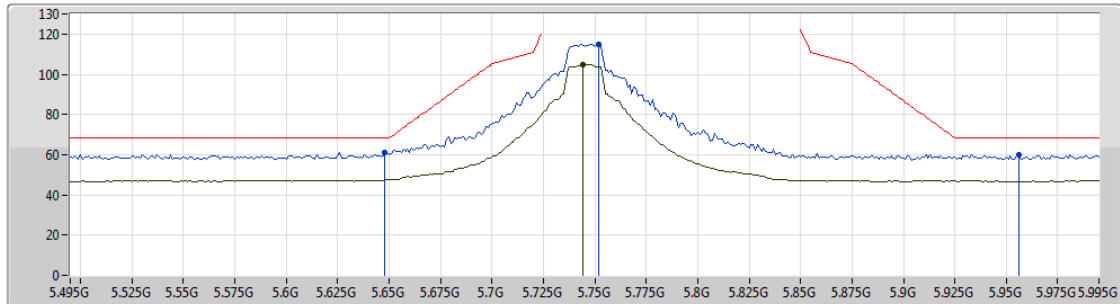
EUT_Z_1TX
Setting 28
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.48156G	59.41	68.20	-8.79	12.78	3	Horizontal	102	1.48	-
PK	15.7296G	60.38	74.00	-13.62	15.64	3	Horizontal	170	1.33	-
AV	15.72954G	46.73	54.00	-7.27	15.64	3	Horizontal	170	1.33	-

802.11a_Nss1,(6Mbps)_1TX

29/10/2018

5745MHz_TX



Lim.PK
PK
Lim_AV
AV

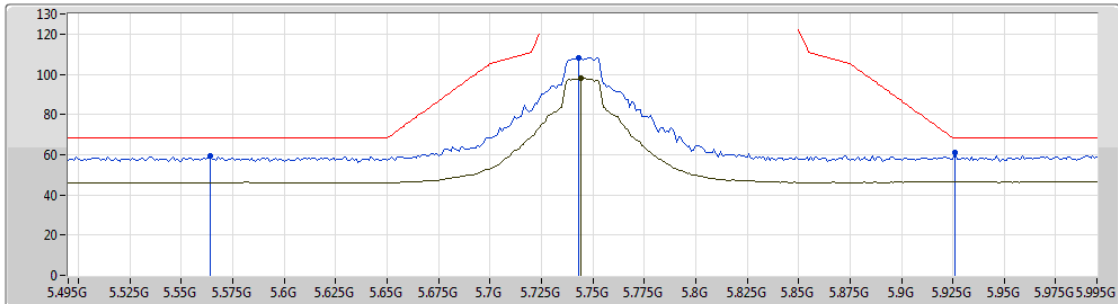
EUT_Z_1TX
Setting 28
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.648G	61.27	68.20	-6.93	6.46	3	Vertical	330	1.92	-
PK	5.752G	115.09	Inf	-Inf	6.90	3	Vertical	330	1.92	-
AV	5.744G	104.79	Inf	-Inf	6.87	3	Vertical	330	1.92	-
PK	5.956G	60.15	68.20	-8.05	7.40	3	Vertical	330	1.92	-

802.11a_Nss1.(6Mbps)_1TX

29/10/2018

5745MHz_TX



Lim.PK
PK
Lim.AV
AV

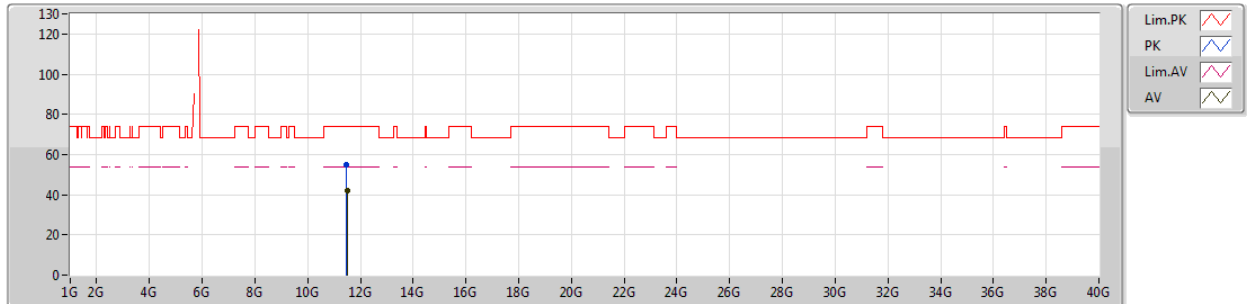
EUT_Z_1TX
Setting 28
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.564G	59.16	68.20	-9.04	6.18	3	Horizontal	169	2.03	-
PK	5.743G	108.30	Inf	-Inf	6.86	3	Horizontal	169	2.03	-
AV	5.744G	98.10	Inf	-Inf	6.87	3	Horizontal	169	2.03	-
PK	5.926G	60.80	68.20	-7.40	7.33	3	Horizontal	169	2.03	-

802.11a_Nss1,(6Mbps)_1TX

29/10/2018

5745MHz_TX



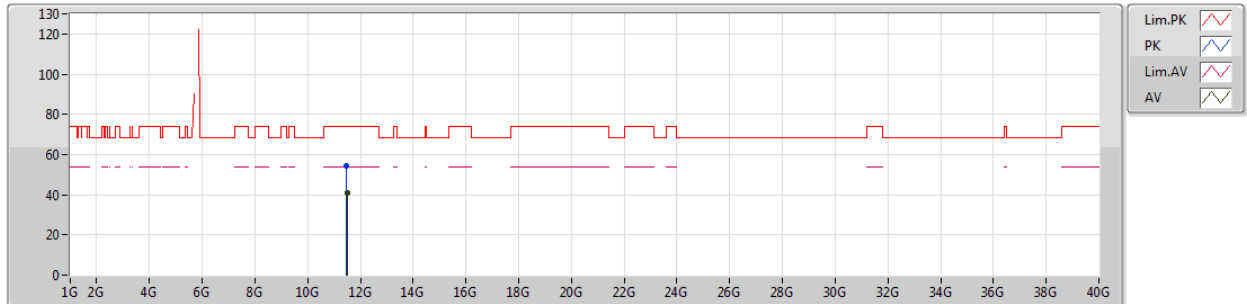
EUT_Z_1TX
Setting 28
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.4868G	55.12	74.00	-18.88	13.33	3	Vertical	248	1.94	-						
AV	11.4898G	41.81	54.00	-12.19	13.33	3	Vertical	248	1.94	-						

802.11a_Nss1,(6Mbps)_1TX

29/10/2018

5745MHz_TX



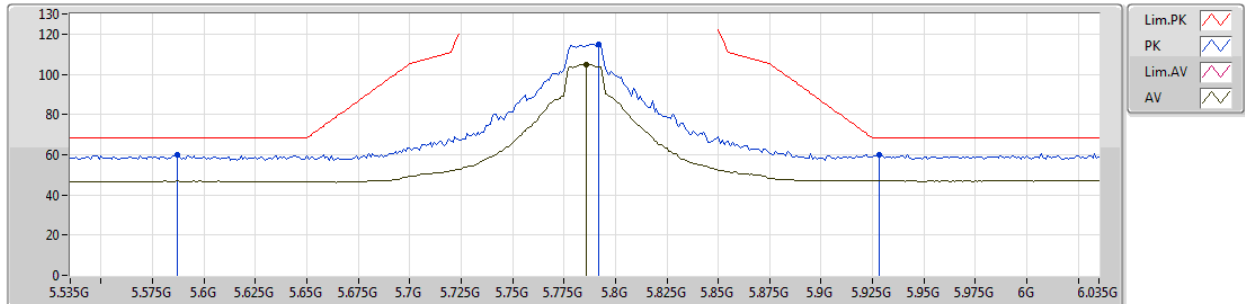
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Setting 28
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.4862G	54.35	74.00	-19.65	13.33	3	Horizontal	207	1.70	-						
AV	11.4919G	40.90	54.00	-13.10	13.33	3	Horizontal	207	1.70	-						

802.11a_Nss1,(6Mbps)_1TX

29/10/2018

5785MHz_TX



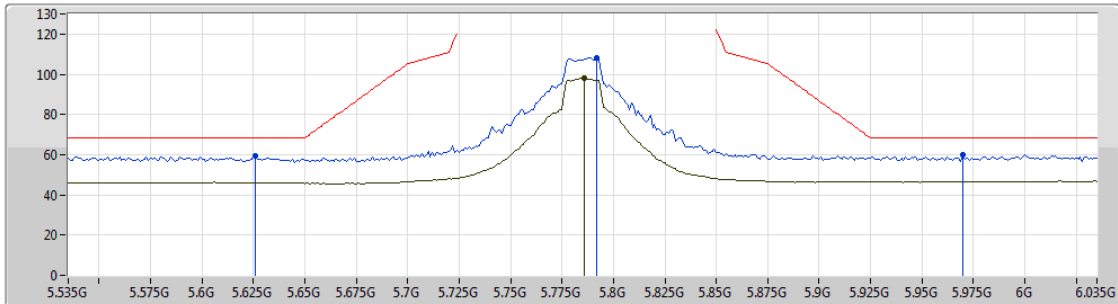
EUT_Z_1TX
Setting 28
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.587G	59.68	68.20	-8.52	6.23	3	Vertical	328	1.78	-
PK	5.792G	115.03	Inf	-Inf	7.07	3	Vertical	328	1.78	-
AV	5.786G	104.87	Inf	-Inf	7.04	3	Vertical	328	1.78	-
PK	5.928G	59.73	68.20	-8.47	7.34	3	Vertical	328	1.78	-

802.11a_Nss1,(6Mbps)_1TX

29/10/2018

5785MHz_TX



Lim.PK
PK
Lim.AV
AV

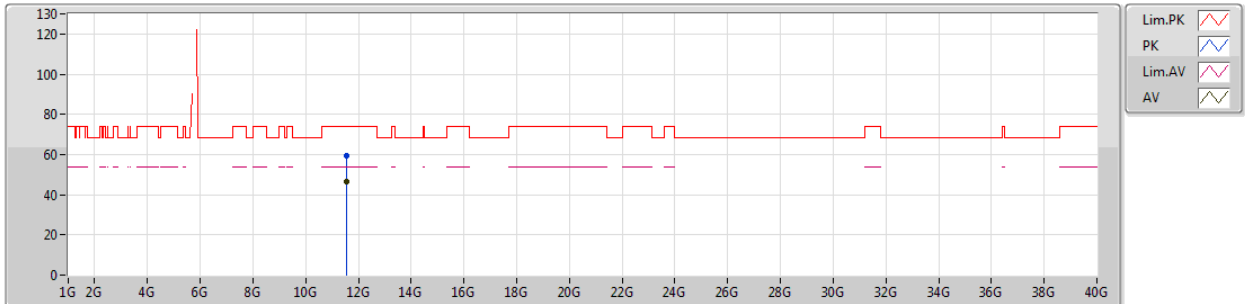
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Setting 28
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.626G	59.54	68.20	-8.66	6.37	3	Horizontal	168	1.88	-
PK	5.792G	108.38	Inf	-Inf	7.07	3	Horizontal	168	1.88	-
AV	5.786G	97.96	Inf	-Inf	7.04	3	Horizontal	168	1.88	-
PK	5.97G	59.81	68.20	-8.39	7.43	3	Horizontal	168	1.88	-

802.11a_Nss1,(6Mbps)_1TX

29/10/2018

5785MHz_TX



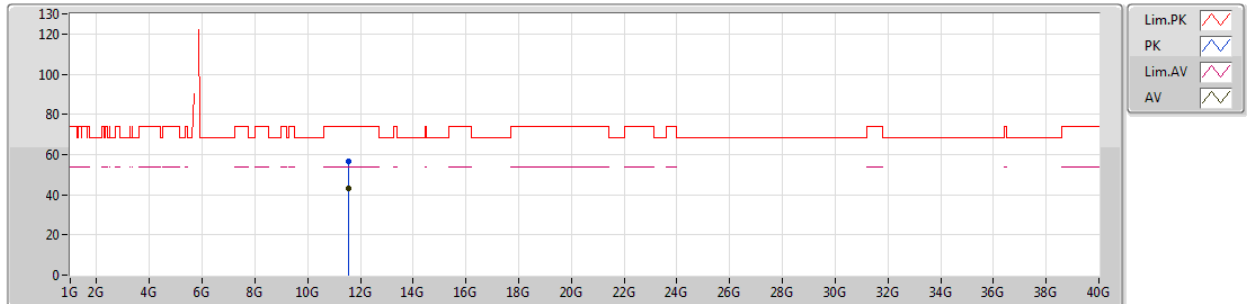
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Setting 28
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.5702G	59.14	74.00	-14.86	13.33	3	Vertical	279	1.72	-						
AV	11.5701G	46.37	54.00	-7.63	13.33	3	Vertical	279	1.72	-						

802.11a_Nss1,(6Mbps)_1TX

29/10/2018

5785MHz_TX



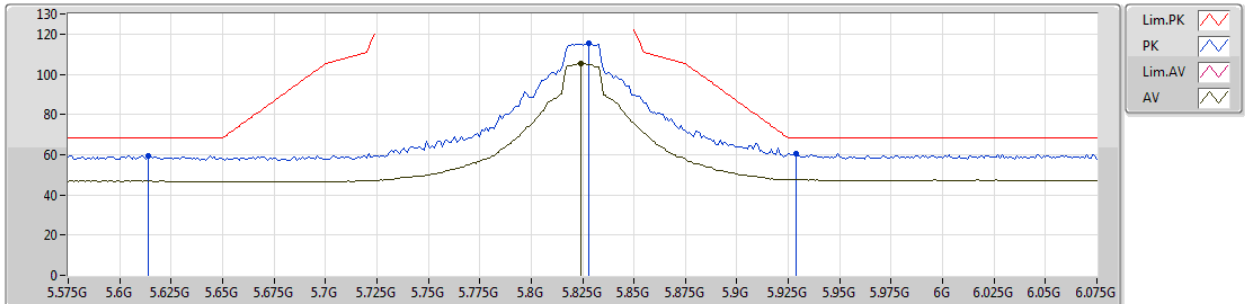
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Setting 28
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.572G	56.32	74.00	-17.68	13.33	3	Horizontal	162	1.43	-						
AV	11.57G	43.07	54.00	-10.93	13.33	3	Horizontal	162	1.43	-						

802.11a_Nss1.(6Mbps)_1TX

29/10/2018

5825MHz_TX



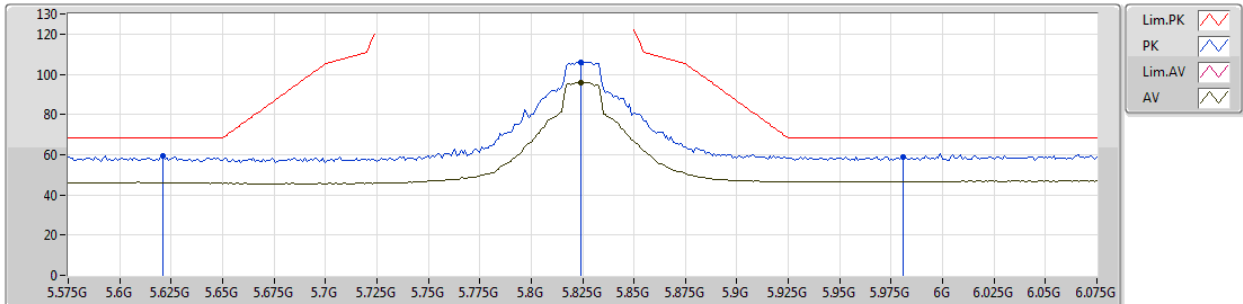
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Setting 28
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.614G	59.61	68.20	-8.59	6.33	3	Vertical	327	2.05	-
PK	5.828G	115.43	Inf	-Inf	7.15	3	Vertical	327	2.05	-
AV	5.824G	105.41	Inf	-Inf	7.15	3	Vertical	327	2.05	-
PK	5.929G	60.77	68.20	-7.43	7.34	3	Vertical	327	2.05	-

802.11a_Nss1.(6Mbps)_1TX

29/10/2018

5825MHz_TX



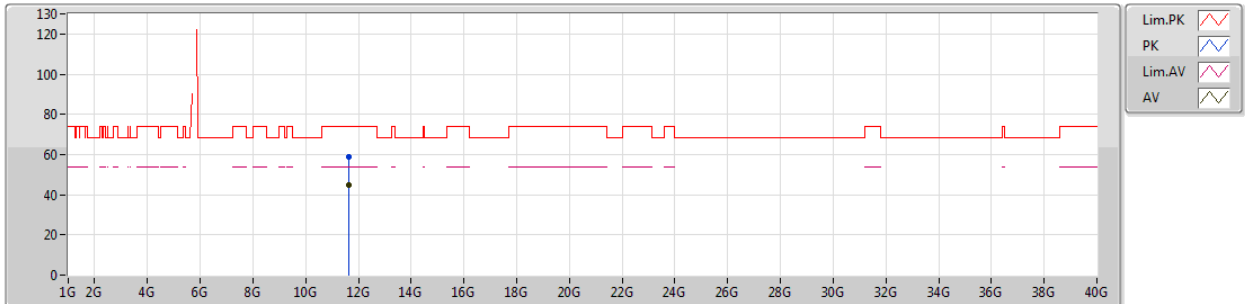
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Setting 28
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.621G	59.66	68.20	-8.54	6.36	3	Horizontal	164	1.50	-
PK	5.824G	105.80	Inf	-Inf	7.15	3	Horizontal	164	1.50	-
AV	5.824G	96.05	Inf	-Inf	7.15	3	Horizontal	164	1.50	-
PK	5.981G	59.05	68.20	-9.15	7.44	3	Horizontal	164	1.50	-

802.11a_Nss1,(6Mbps)_1TX

29/10/2018

5825MHz_TX



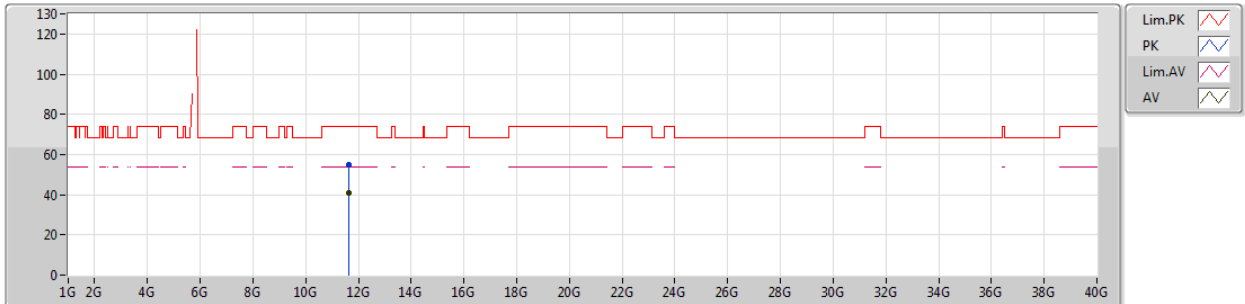
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Setting 28
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.64775G	58.94	74.00	-15.06	13.34	3	Vertical	50	1.97	-						
AV	11.65017G	44.96	54.00	-9.04	13.34	3	Vertical	50	1.97	-						

802.11a_Nss1,(6Mbps)_1TX

29/10/2018

5825MHz_TX



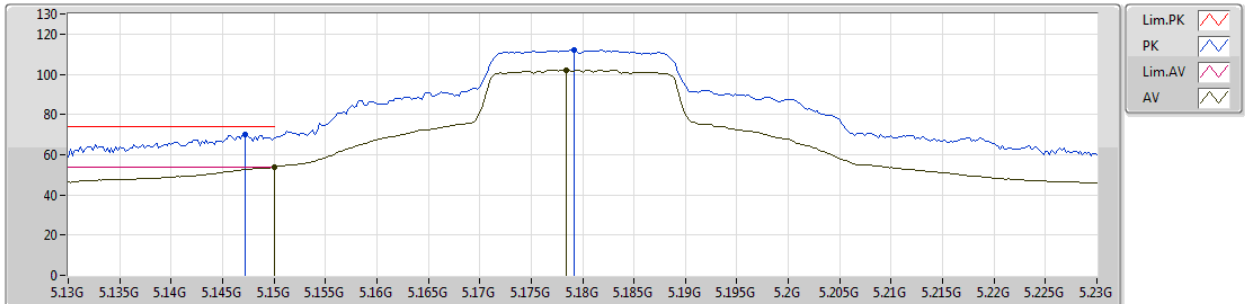
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Setting 28
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.64828G	54.70	74.00	-19.30	13.34	3	Horizontal	207	1.39	-						
AV	11.6501G	40.98	54.00	-13.02	13.34	3	Horizontal	207	1.39	-						

802.11ac VHT20_Nss1,(MCS0)_1TX

29/10/2018

5180MHz_TX



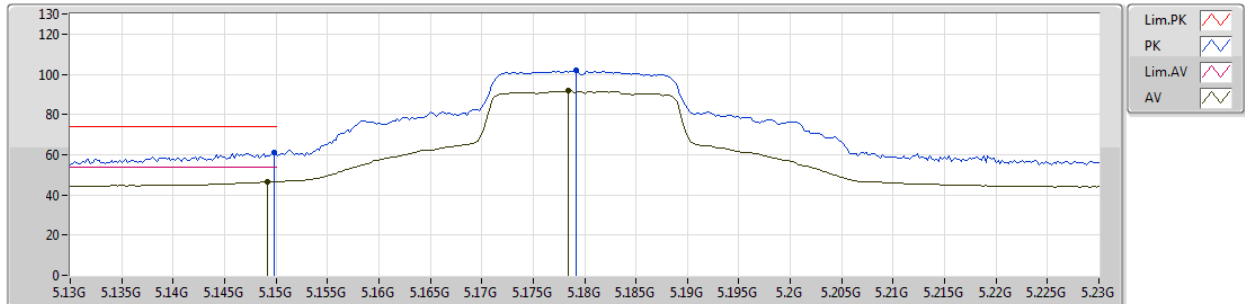
EUT_Z_1TX
Setting 14
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1472G	70.29	74.00	-3.71	4.90	3	Vertical	318	2.02	-
AV	5.15G	53.81	54.00	-0.19	4.90	3	Vertical	318	2.02	-
PK	5.1792G	111.97	Inf	-Inf	4.94	3	Vertical	318	2.02	-
AV	5.1784G	101.98	Inf	-Inf	4.94	3	Vertical	318	2.02	-

802.11ac VHT20_Nss1,(MCS0)_1TX

29/10/2018

5180MHz_TX



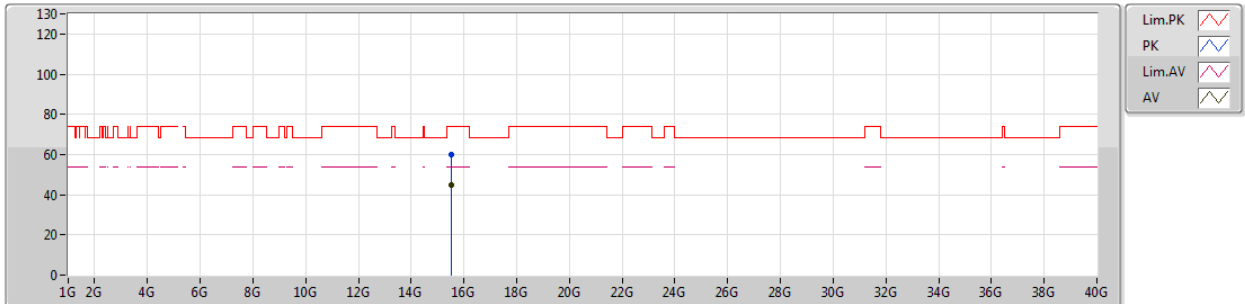
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Setting 14
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1498G	61.11	74.00	-12.89	4.90	3	Horizontal	258	1.75	-
AV	5.1492G	46.46	54.00	-7.54	4.90	3	Horizontal	258	1.75	-
PK	5.1792G	101.71	Inf	-Inf	4.94	3	Horizontal	258	1.75	-
AV	5.1784G	91.65	Inf	-Inf	4.94	3	Horizontal	258	1.75	-

802.11ac VHT20_Nss1,(MCS0)_1TX

29/10/2018

5180MHz_TX



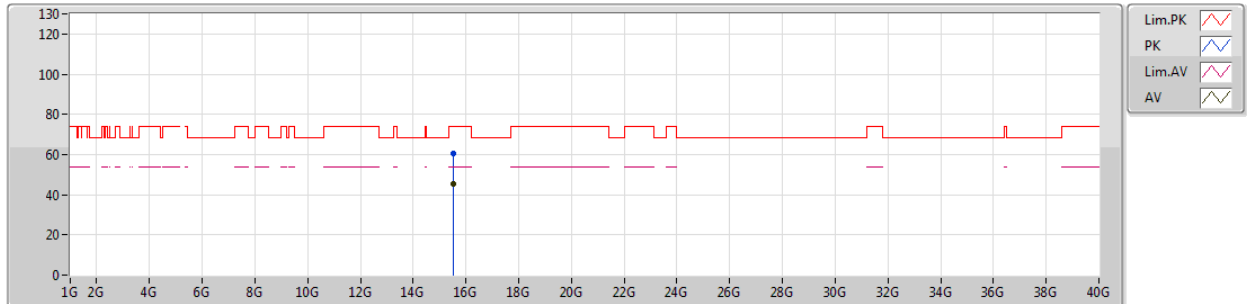
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Setting 14
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.53935G	60.06	74.00	-13.94	15.93	3	Vertical	117	1.49	-						
AV	15.53774G	45.07	54.00	-8.93	15.93	3	Vertical	117	1.49	-						

802.11ac VHT20_Nss1,(MCS0)_1TX

29/10/2018

5180MHz_TX



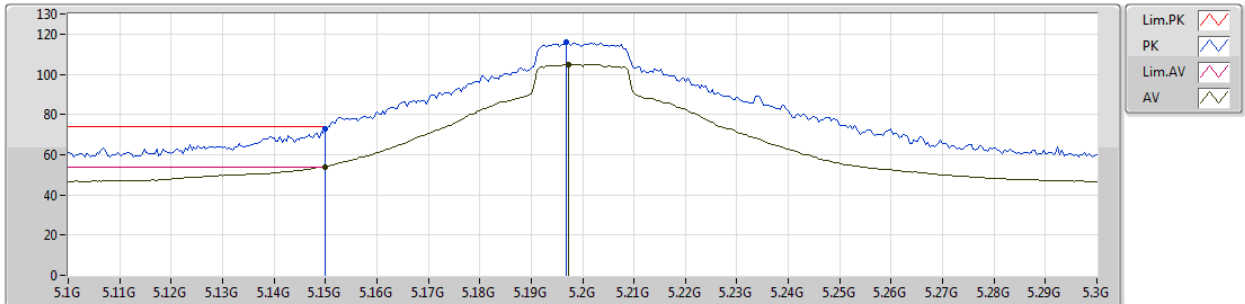
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Setting 14
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.5187G	60.30	74.00	-13.70	15.96	3	Horizontal	176	1.73	-						
AV	15.5347G	45.63	54.00	-8.37	15.93	3	Horizontal	176	1.73	-						

802.11ac VHT20_Nss1,(MCS0)_1TX

30/10/2018

5200MHz_TX



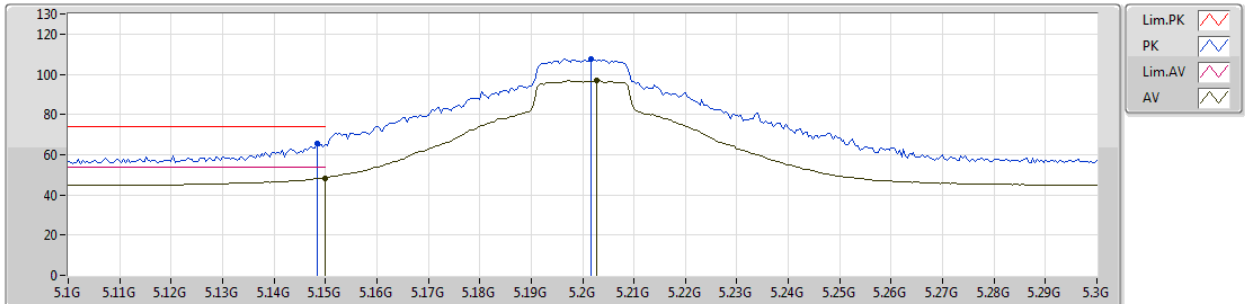
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Setting 26
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.15G	73.12	74.00	-0.88	4.90	3	Vertical	89	2.11	-
AV	5.15G	53.96	54.00	-0.04	4.90	3	Vertical	89	2.11	-
PK	5.1968G	116.07	Inf	-Inf	4.95	3	Vertical	89	2.11	-
AV	5.1972G	105.00	Inf	-Inf	4.96	3	Vertical	89	2.11	-

802.11ac VHT20_Nss1,(MCS0)_1TX

30/10/2018

5200MHz_TX



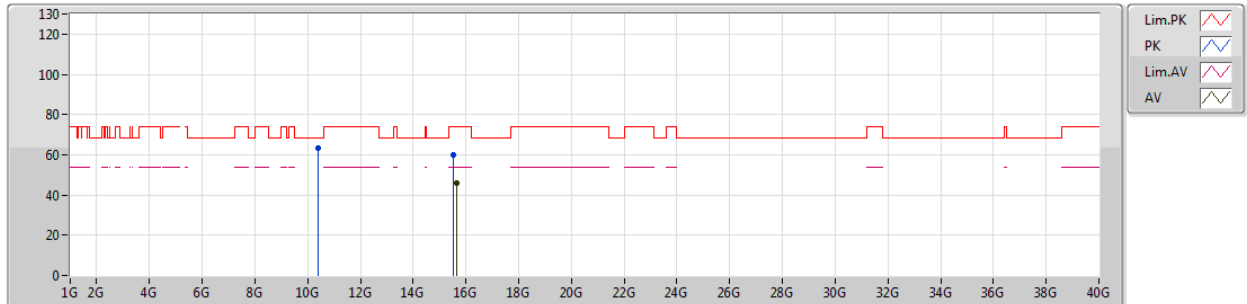
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Setting 26
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1484G	65.46	74.00	-8.54	4.90	3	Horizontal	164	1.78	-
AV	5.15G	48.29	54.00	-5.71	4.90	3	Horizontal	164	1.78	-
PK	5.2016G	107.79	Inf	-Inf	4.96	3	Horizontal	164	1.78	-
AV	5.2028G	96.72	Inf	-Inf	4.98	3	Horizontal	164	1.78	-

802.11ac VHT20_Nss1,(MCS0)_1TX

30/10/2018

5200MHz_TX



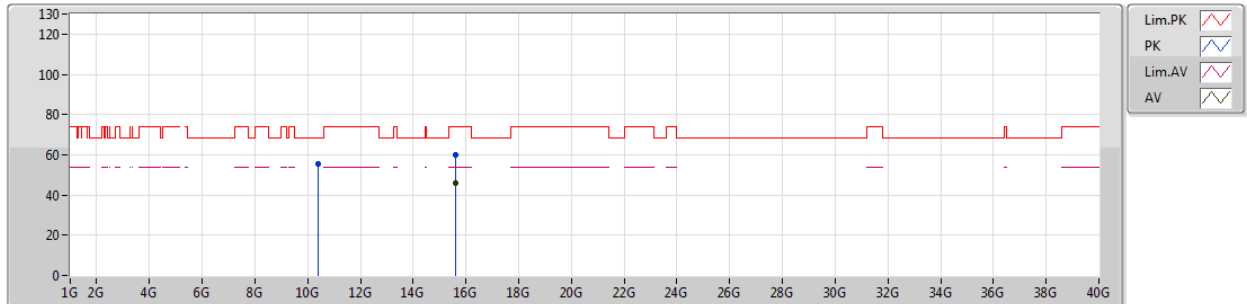
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Setting 26
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	10.3993G	63.32	68.20	-4.88	12.70	3	Vertical	91	1.80	-						
PK	15.5148G	60.17	74.00	-13.83	15.97	3	Vertical	129	1.61	-						
AV	15.6712G	46.06	54.00	-7.94	15.72	3	Vertical	129	1.61	-						

802.11ac VHT20_Nss1,(MCS0)_1TX

30/10/2018

5200MHz_TX



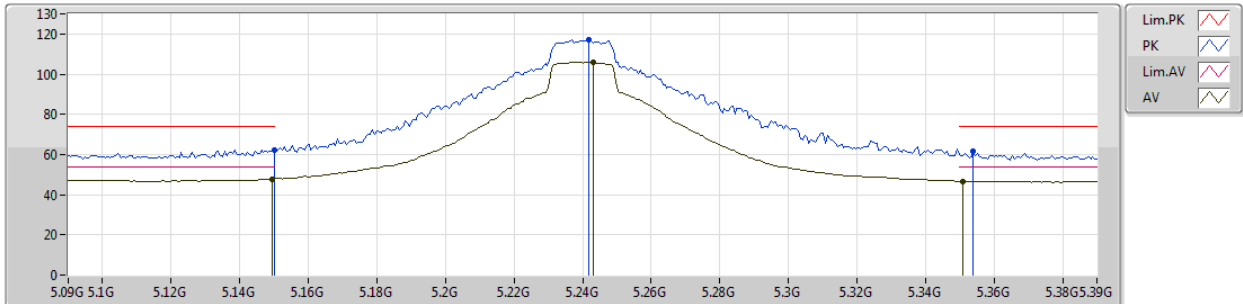
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Setting 26
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	10.4004G	55.22	68.20	-12.98	12.70	3	Horizontal	84	1.56	-						
PK	15.60388G	60.07	74.00	-13.93	15.83	3	Horizontal	143	1.80	-						
AV	15.59588G	45.68	54.00	-8.32	15.84	3	Horizontal	143	1.80	-						

802.11ac VHT20_Nss1,(MCS0)_1TX

30/10/2018

5240MHz_TX



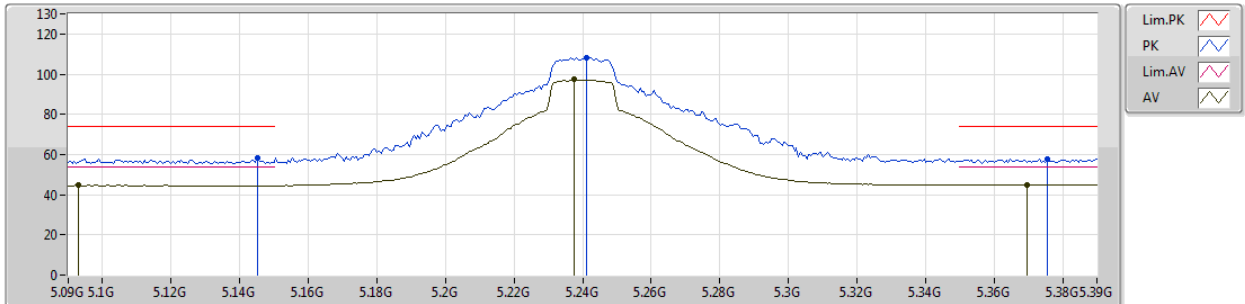
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Setting 28
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.15G	62.30	74.00	-11.70	4.90	3	Vertical	314	2.13	-
AV	5.1494G	47.75	54.00	-6.25	4.90	3	Vertical	314	2.13	-
PK	5.2418G	117.25	Inf	-Inf	5.14	3	Vertical	314	2.13	-
AV	5.243G	106.18	Inf	-Inf	5.16	3	Vertical	314	2.13	-
PK	5.354G	61.62	74.00	-12.38	5.62	3	Vertical	314	2.13	-
AV	5.351G	46.70	54.00	-7.30	5.60	3	Vertical	314	2.13	-

802.11ac VHT20_Nss1,(MCS0)_1TX

30/10/2018

5240MHz_TX



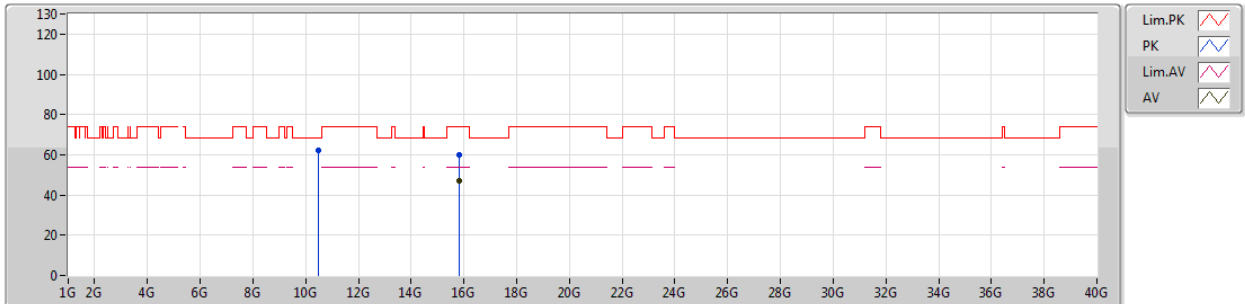
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Setting 28
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.093G	44.63	54.00	-9.37	4.83	3	Horizontal	163	1.61	-
PK	5.1452G	58.43	74.00	-15.57	4.89	3	Horizontal	163	1.61	-
AV	5.2376G	97.39	Inf	-Inf	5.13	3	Horizontal	163	1.61	-
PK	5.2412G	108.38	Inf	-Inf	5.14	3	Horizontal	163	1.61	-
AV	5.3696G	44.96	54.00	-9.04	5.67	3	Horizontal	163	1.61	-
PK	5.3756G	57.89	74.00	-16.11	5.70	3	Horizontal	163	1.61	-

802.11ac VHT20_Nss1,(MCS0)_1TX

30/10/2018

5240MHz_TX



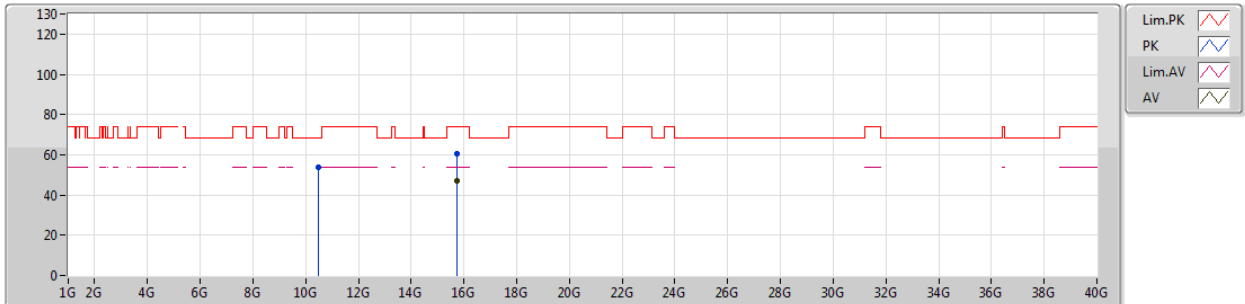
EUT_Z_1TX
Setting 28
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	10.4801G	62.41	68.20	-5.79	12.78	3	Vertical	93	1.77	-						
PK	15.804G	60.08	74.00	-13.92	15.52	3	Vertical	194	1.16	-						
AV	15.8022G	47.09	54.00	-6.91	15.52	3	Vertical	194	1.16	-						

802.11ac VHT20_Nss1,(MCS0)_1TX

30/10/2018

5240MHz_TX



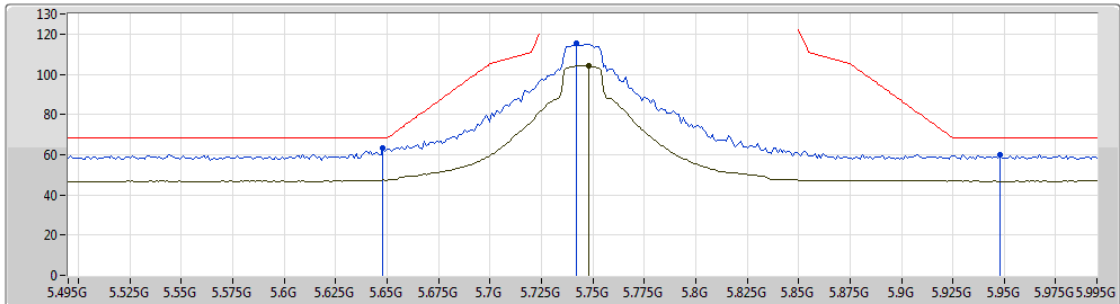
EUT_Z_1TX
Setting 28
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.499G	53.76	68.20	-14.44	12.79	3	Horizontal	261	1.46	-
PK	15.7303G	60.78	74.00	-13.22	15.63	3	Horizontal	212	1.63	-
AV	15.7267G	47.27	54.00	-6.73	15.64	3	Horizontal	212	1.63	-

802.11ac VHT20_Nss1,(MCS0)_1TX

30/10/2018

5745MHz_TX



Lim.PK
PK
Lim.AV
AV

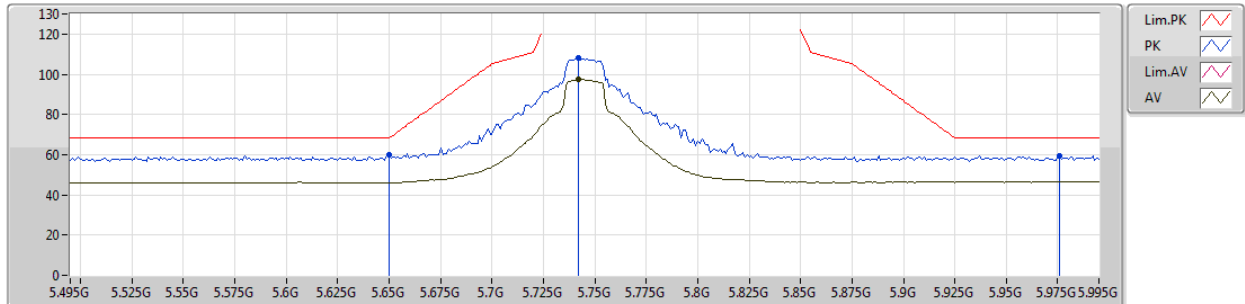
EUT_Z_1TX
Setting 28
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.648G	63.14	68.20	-5.06	6.46	3	Vertical	332	1.85	-
PK	5.742G	115.35	Inf	-Inf	6.86	3	Vertical	332	1.85	-
AV	5.748G	104.43	Inf	-Inf	6.88	3	Vertical	332	1.85	-
PK	5.948G	59.76	68.20	-8.44	7.38	3	Vertical	332	1.85	-

802.11ac VHT20_Nss1,(MCS0)_1TX

30/10/2018

5745MHz_TX



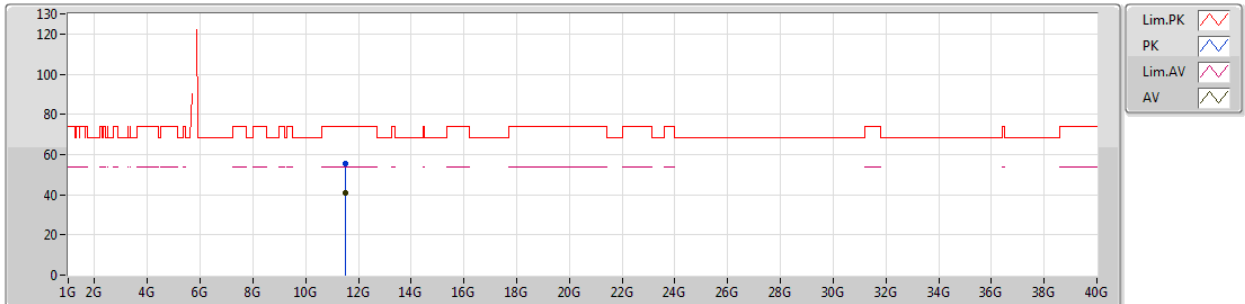
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Setting 28
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.65G	59.72	68.20	-8.48	6.48	3	Horizontal	170	2.07	-
PK	5.742G	108.35	Inf	-Inf	6.86	3	Horizontal	170	2.07	-
AV	5.742G	97.46	Inf	-Inf	6.86	3	Horizontal	170	2.07	-
PK	5.976G	59.37	68.20	-8.83	7.43	3	Horizontal	170	2.07	-

802.11ac VHT20_Nss1,(MCS0)_1TX

30/10/2018

5745MHz_TX



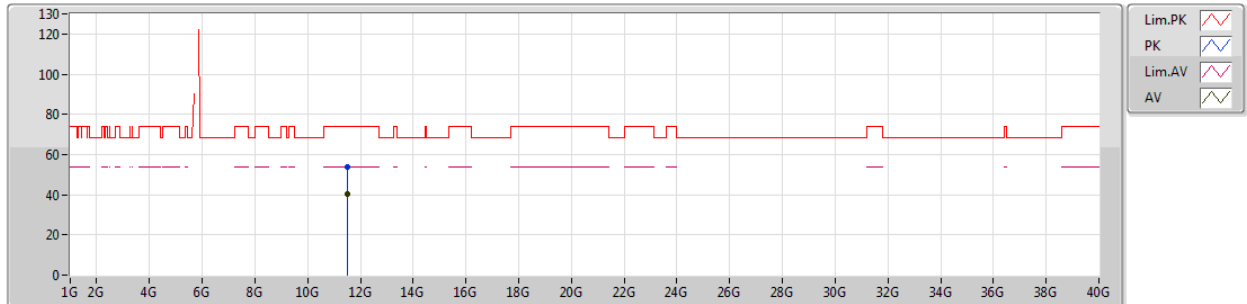
EUT_Z_1TX
Setting 28
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.48889G	55.42	74.00	-18.58	13.33	3	Vertical	149	1.74	-						
AV	11.48964G	40.74	54.00	-13.26	13.33	3	Vertical	149	1.74	-						

802.11ac VHT20_Nss1,(MCS0)_1TX

30/10/2018

5745MHz_TX



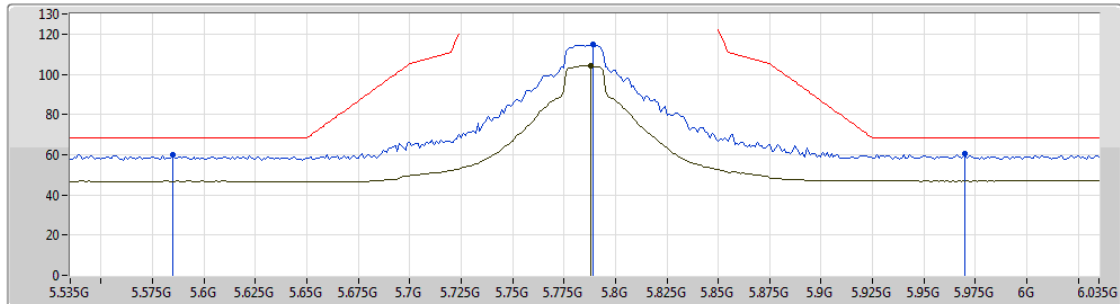
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Setting 28
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.49202G	54.04	74.00	-19.96	13.33	3	Horizontal	218	2.01	-						
AV	11.49233G	40.48	54.00	-13.52	13.33	3	Horizontal	218	2.01	-						

802.11ac VHT20_Nss1,(MCS0)_1TX

30/10/2018

5785MHz_TX



Lim.PK
PK
Lim.AV
AV

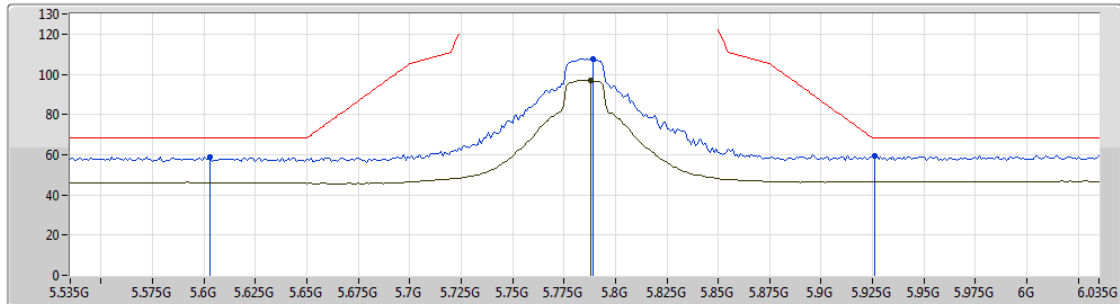
EUT_Z_1TX
Setting 28
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.585G	60.07	68.20	-8.13	6.23	3	Vertical	329	1.99	-
PK	5.789G	114.76	Inf	-Inf	7.05	3	Vertical	329	1.99	-
AV	5.788G	104.38	Inf	-Inf	7.05	3	Vertical	329	1.99	-
PK	5.97G	60.41	68.20	-7.79	7.43	3	Vertical	329	1.99	-

802.11ac VHT20_Nss1,(MCS0)_1TX

30/10/2018

5785MHz_TX



Lim.PK
PK
Lim_AV
AV

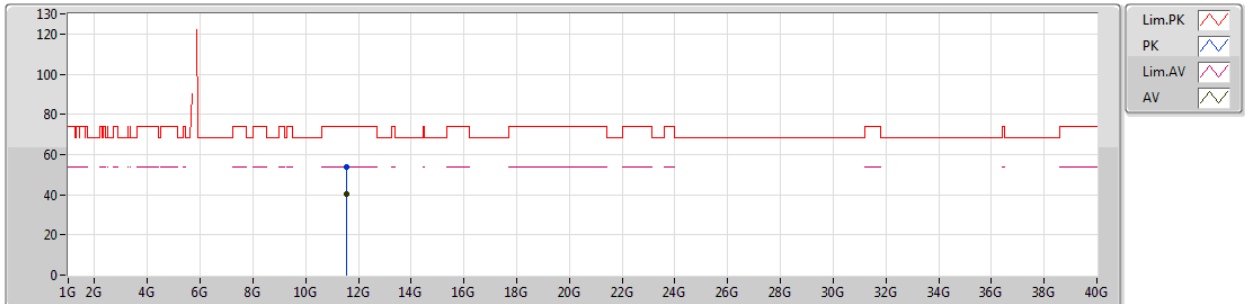
EUT_Z_1TX
Setting 28
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.603G	58.93	68.20	-9.27	6.28	3	Horizontal	166	1.74	-
PK	5.789G	107.47	Inf	-Inf	7.05	3	Horizontal	166	1.74	-
AV	5.788G	97.11	Inf	-Inf	7.05	3	Horizontal	166	1.74	-
PK	5.926G	59.56	68.20	-8.64	7.33	3	Horizontal	166	1.74	-

802.11ac VHT20_Nss1,(MCS0)_1TX

30/10/2018

5785MHz_TX



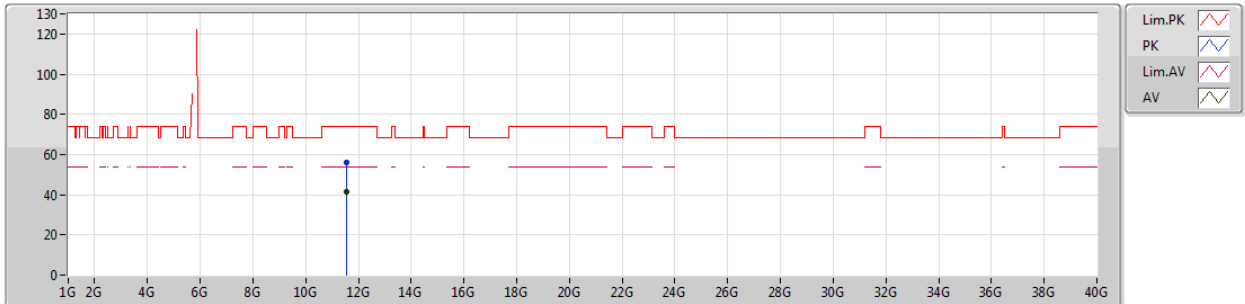
EUT_Z_1TX
Setting 28
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.5722G	54.00	74.00	-20.00	13.33	3	Vertical	145	1.40	-						
AV	11.56987G	40.38	54.00	-13.62	13.33	3	Vertical	145	1.40	-						

802.11ac VHT20_Nss1,(MCS0)_1TX

30/10/2018

5785MHz_TX



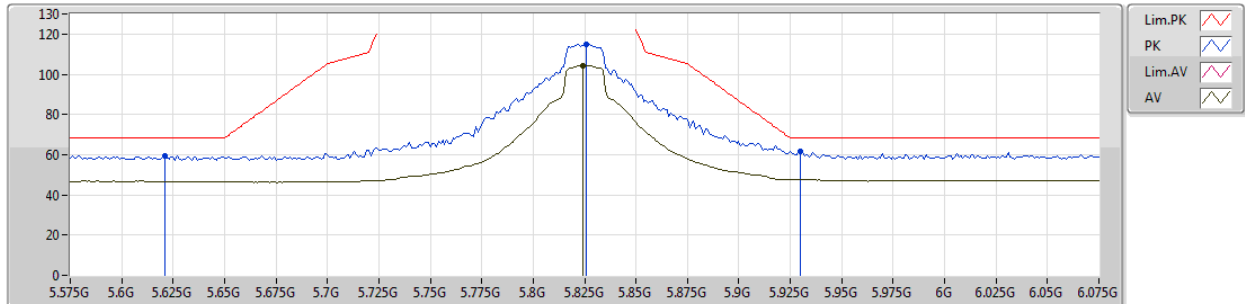
EUT_Z_1TX
Setting 28
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.56946G	55.78	74.00	-18.22	13.33	3	Horizontal	75	1.57	-						
AV	11.57008G	41.44	54.00	-12.56	13.33	3	Horizontal	75	1.57	-						

802.11ac VHT20_Nss1,(MCS0)_1TX

30/10/2018

5825MHz_TX



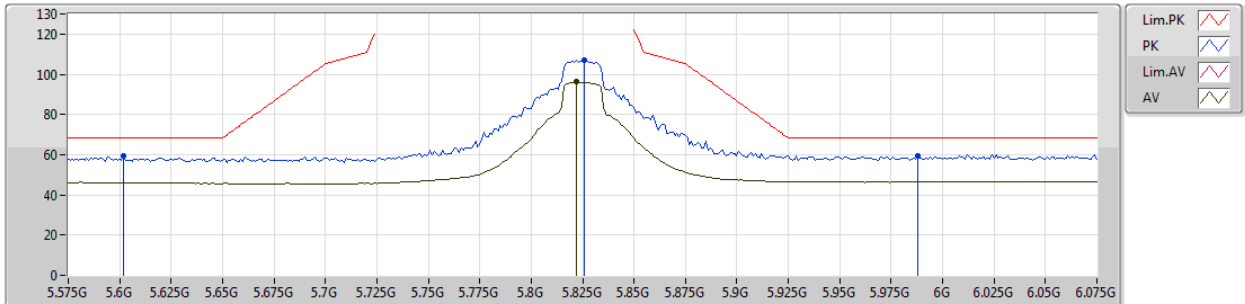
EUT_Z_1TX
Setting 28
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.621G	59.48	68.20	-8.72	6.36	3	Vertical	360	1.50	-
PK	5.826G	115.14	Inf	-Inf	7.14	3	Vertical	325	2.06	-
AV	5.824G	104.28	Inf	-Inf	7.15	3	Vertical	325	2.06	-
PK	5.93G	61.75	68.20	-6.45	7.34	3	Vertical	325	2.06	-

802.11ac VHT20_Nss1,(MCS0)_1TX

30/10/2018

5825MHz_TX



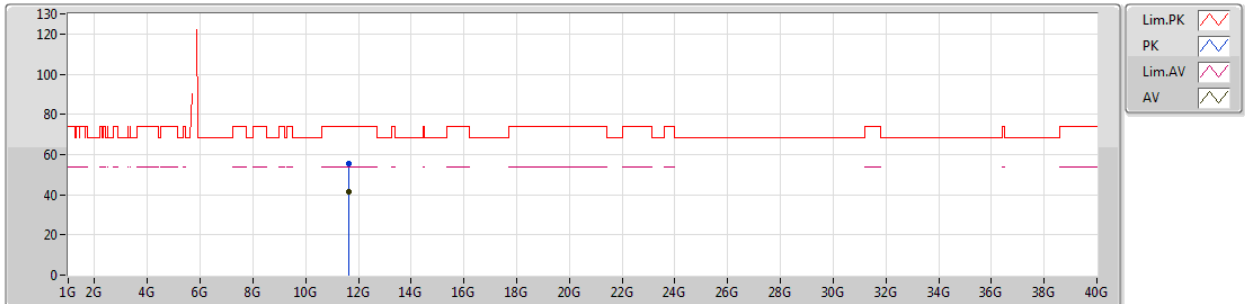
EUT_Z_1TX
Setting 28
01-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.602G	59.13	68.20	-9.07	6.28	3	Horizontal	166	1.65	-
PK	5.826G	107.12	Inf	-Inf	7.14	3	Horizontal	166	1.65	-
AV	5.822G	96.17	Inf	-Inf	7.14	3	Horizontal	166	1.65	-
PK	5.988G	59.60	68.20	-8.60	7.46	3	Horizontal	166	1.65	-

802.11ac VHT20_Nss1,(MCS0)_1TX

30/10/2018

5825MHz_TX



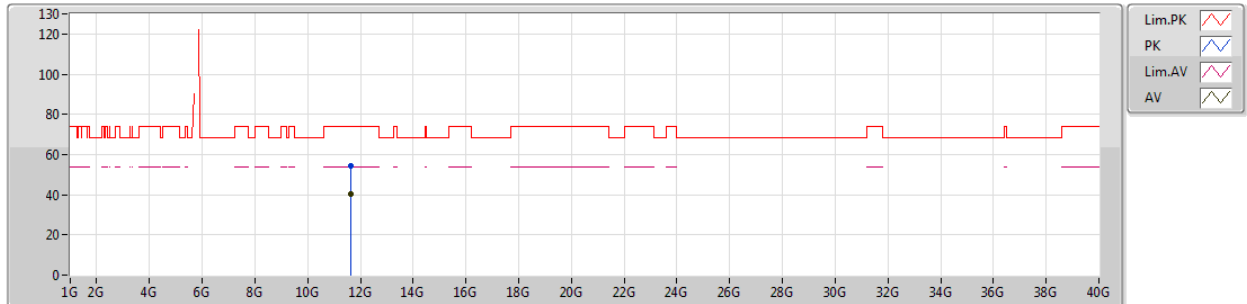
EUT_Z_1TX
Setting 28
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.64992G	55.58	74.00	-18.42	13.34	3	Vertical	123	1.53	-						
AV	11.65012G	41.64	54.00	-12.36	13.34	3	Vertical	123	1.53	-						

802.11ac VHT20_Nss1,(MCS0)_1TX

30/10/2018

5825MHz_TX



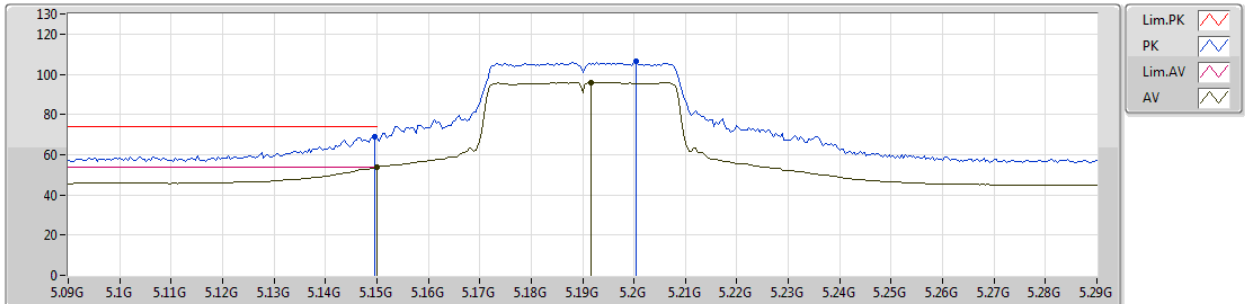
EUT_Z_1TX
Setting 28
01-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.64969G	54.17	74.00	-19.83	13.34	3	Horizontal	207	1.31	-						
AV	11.6501G	40.21	54.00	-13.79	13.34	3	Horizontal	207	1.31	-						

802.11ac VHT40_Nss1,(MCS0)_1TX

30/10/2018

5190MHz_TX



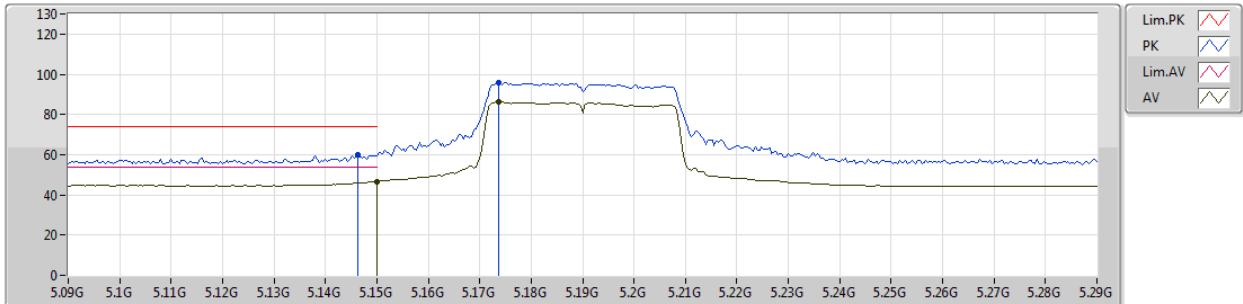
EUT_Z_1TX
Setting 08
01-J-5-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1496G	68.72	74.00	-5.28	4.90	3	Vertical	326	2.09	-
AV	5.15G	53.73	54.00	-0.27	4.90	3	Vertical	326	2.09	-
PK	5.2004G	106.22	Inf	-Inf	4.96	3	Vertical	326	2.09	-
AV	5.1916G	96.00	Inf	-Inf	4.95	3	Vertical	326	2.09	-

802.11ac VHT40_Nss1,(MCS0)_1TX

30/10/2018

5190MHz_TX



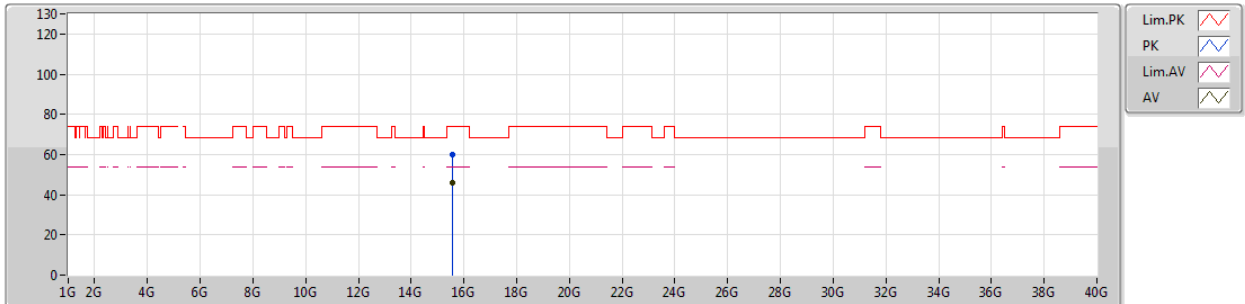
EUT_Z_1TX
Setting 08
01-J-5-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1464G	60.08	74.00	-13.92	4.89	3	Horizontal	173	1.83	-
AV	5.15G	46.73	54.00	-7.27	4.90	3	Horizontal	173	1.83	-
PK	5.1736G	95.93	Inf	-Inf	4.93	3	Horizontal	173	1.83	-
AV	5.1736G	86.25	Inf	-Inf	4.93	3	Horizontal	173	1.83	-

802.11ac VHT40_Nss1,(MCS0)_1TX

30/10/2018

5190MHz_TX



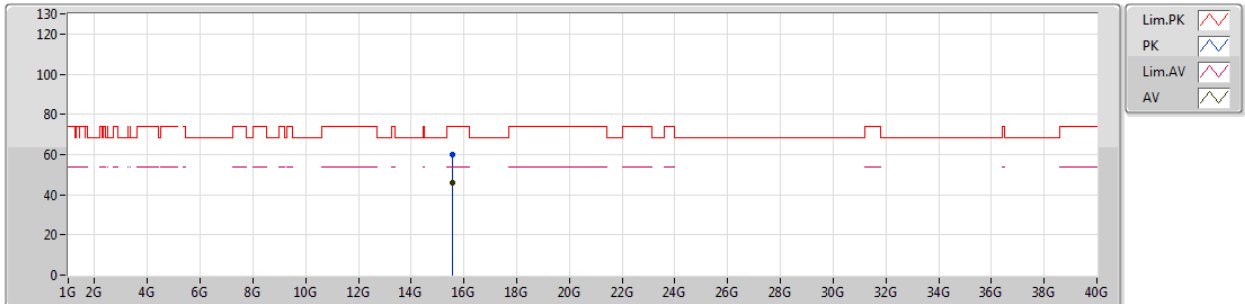
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Setting 08
01-J-5
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.58416G	59.86	74.00	-14.14	15.86	3	Vertical	199	2.01	-						
AV	15.58488G	45.95	54.00	-8.05	15.86	3	Vertical	199	2.01	-						

802.11ac VHT40_Nss1,(MCS0)_1TX

30/10/2018

5190MHz_TX



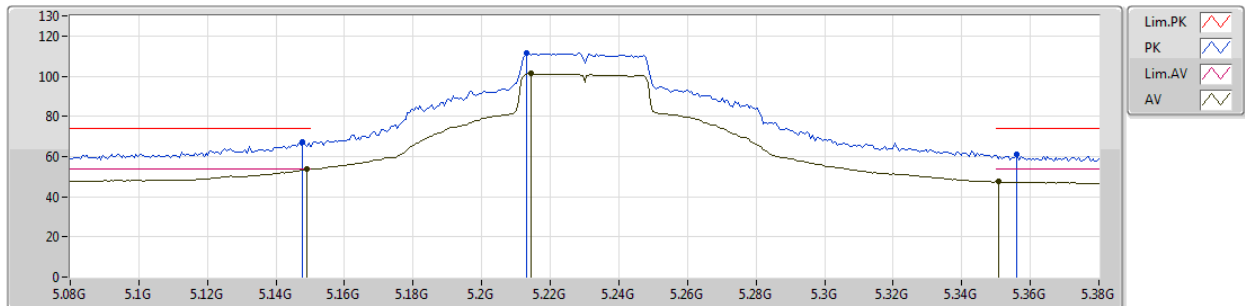
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Setting 08
01-J-5
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.57426G	60.22	74.00	-13.78	15.88	3	Horizontal	86	1.14	-						
AV	15.57726G	45.93	54.00	-8.07	15.87	3	Horizontal	86	1.14	-						

802.11ac VHT40_Nss1,(MCS0)_1TX

30/10/2018

5230MHz_TX



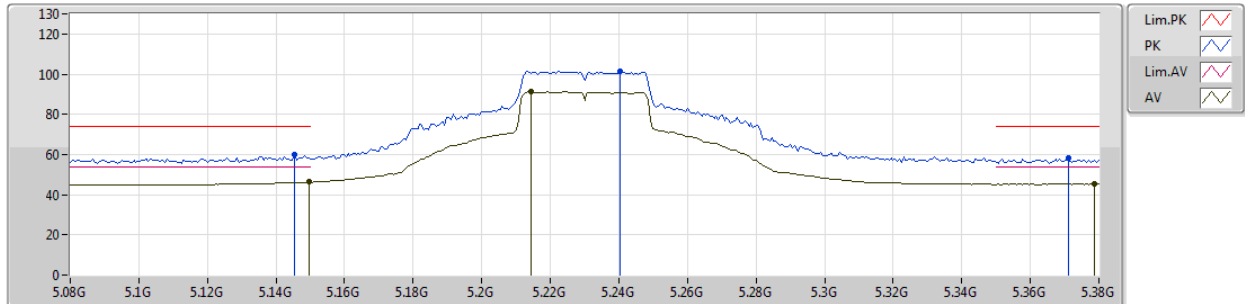
EUT_Z_1TX
Setting 18
01-J-5-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1478G	67.46	74.00	-6.54	4.90	3	Vertical	322	2.00	-
AV	5.149G	53.83	54.00	-0.17	4.90	3	Vertical	322	2.00	-
PK	5.2132G	111.56	Inf	-Inf	5.02	3	Vertical	322	2.00	-
AV	5.2144G	101.36	Inf	-Inf	5.03	3	Vertical	322	2.00	-
PK	5.356G	61.03	74.00	-12.97	5.62	3	Vertical	322	2.00	-
AV	5.3506G	47.41	54.00	-6.59	5.60	3	Vertical	322	2.00	-

802.11ac VHT40_Nss1,(MCS0)_1TX

30/10/2018

5230MHz_TX



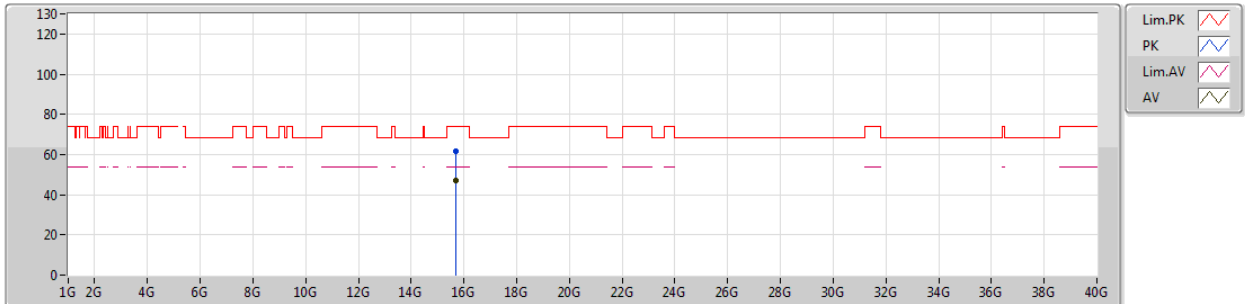
EUT_Z_1TX
Setting 18
01-J-5-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1454G	59.98	74.00	-14.02	4.89	3	Horizontal	172	1.65	-
AV	5.1496G	46.27	54.00	-7.73	4.90	3	Horizontal	172	1.65	-
PK	5.2402G	101.50	Inf	-Inf	5.14	3	Horizontal	172	1.65	-
AV	5.2144G	91.26	Inf	-Inf	5.03	3	Horizontal	172	1.65	-
PK	5.371G	58.00	74.00	-16.00	5.68	3	Horizontal	172	1.65	-
AV	5.3788G	45.25	54.00	-8.75	5.71	3	Horizontal	172	1.65	-

802.11ac VHT40_Nss1,(MCS0)_1TX

30/10/2018

5230MHz_TX



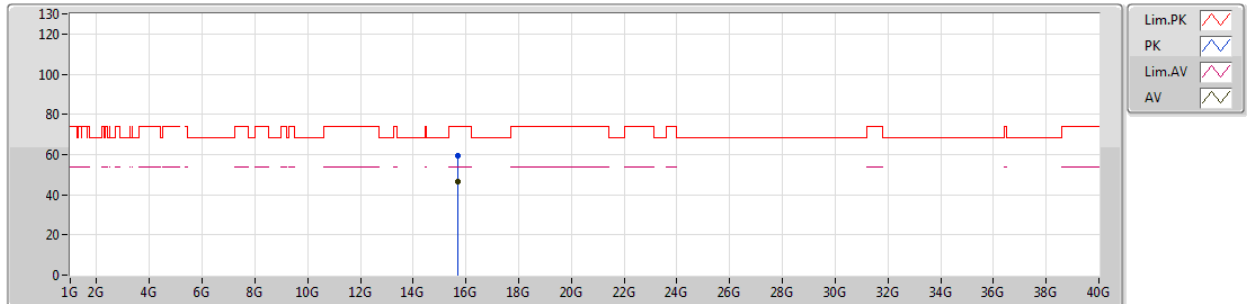
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Setting 18
01-J-5
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.689G	61.45	74.00	-12.55	15.70	3	Vertical	69	1.66	-						
AV	15.68172G	47.00	54.00	-7.00	15.71	3	Vertical	69	1.66	-						

802.11ac VHT40_Nss1,(MCS0)_1TX

30/10/2018

5230MHz_TX



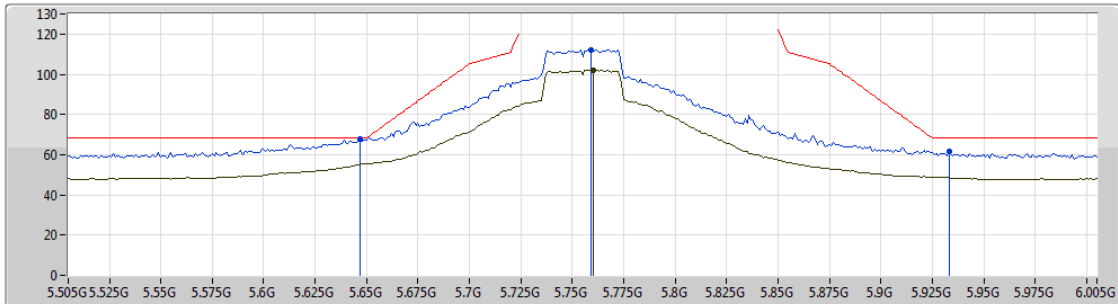
EUT_Z_1TX
Setting 18
01-J-5
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.68364G	59.47	74.00	-14.53	15.70	3	Horizontal	242	1.05	-						
AV	15.68324G	46.33	54.00	-7.67	15.70	3	Horizontal	242	1.05	-						

802.11ac VHT40_Nss1,(MCS0)_1TX

30/10/2018

5755MHz_TX



Lim.PK
PK
Lim_AV
AV

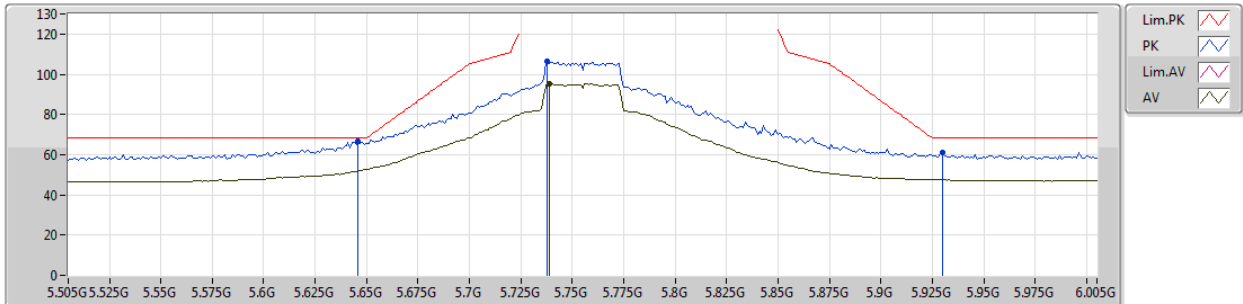
EUT_Z_1TX
Setting 26
01-J-5-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.647G	67.98	68.20	-0.22	6.46	3	Vertical	329	1.95	-
PK	5.759G	112.33	Inf	-Inf	6.93	3	Vertical	329	1.95	-
AV	5.76G	102.21	Inf	-Inf	6.93	3	Vertical	329	1.95	-
PK	5.933G	61.57	68.20	-6.63	7.35	3	Vertical	329	1.95	-

802.11ac VHT40_Nss1,(MCS0)_1TX

30/10/2018

5755MHz_TX



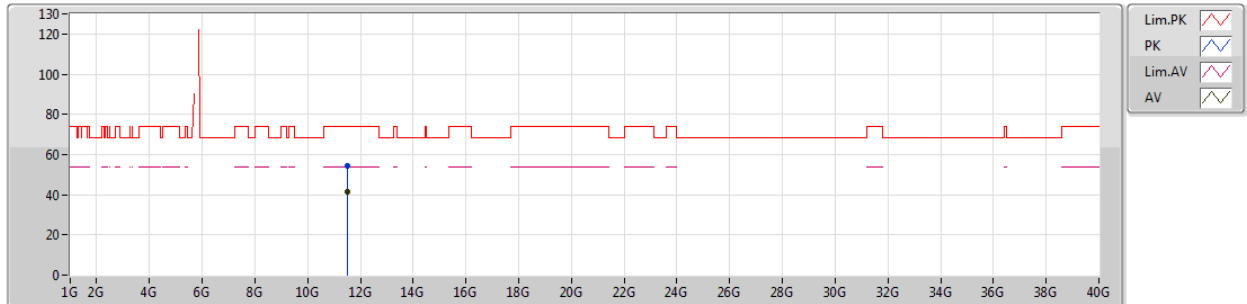
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Setting 26
01-J-5-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.646G	66.54	68.20	-1.66	6.46	3	Horizontal	176	1.94	-
PK	5.738G	106.53	Inf	-Inf	6.85	3	Horizontal	176	1.94	-
AV	5.739G	95.35	Inf	-Inf	6.85	3	Horizontal	176	1.94	-
PK	5.93G	60.97	68.20	-7.23	7.34	3	Horizontal	176	1.94	-

802.11ac VHT40_Nss1,(MCS0)_1TX

30/10/2018

5755MHz_TX



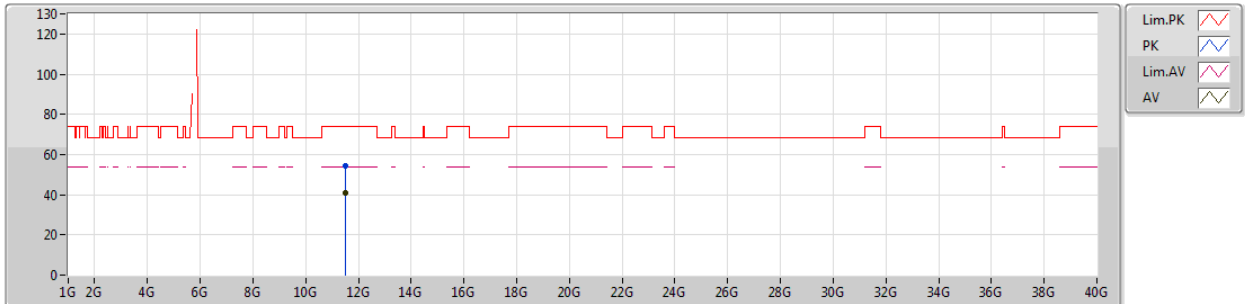
EUT_Z_1TX
Setting 26
01-C-4
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.5117G	54.58	74.00	-19.42	13.32	3	Vertical	32	2.52	-						
AV	11.51G	41.70	54.00	-12.30	13.32	3	Vertical	32	2.52	-						

802.11ac VHT40_Nss1,(MCS0)_1TX

30/10/2018

5755MHz_TX



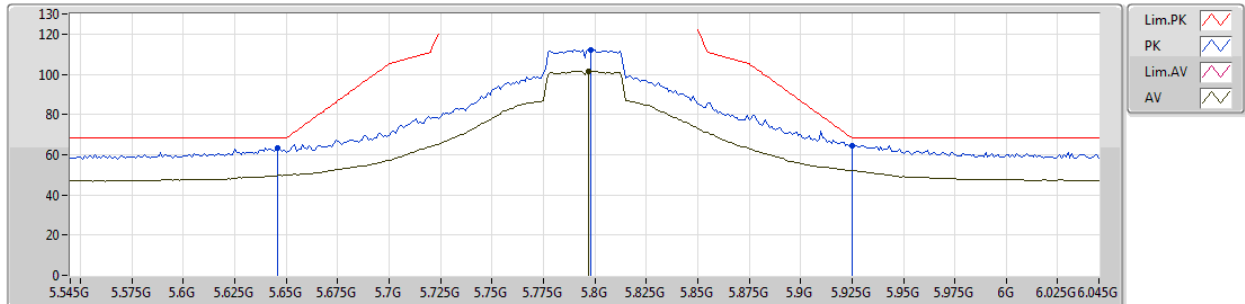
EUT_Z_1TX
Setting 26
01-C-4
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.4931G	54.55	74.00	-19.45	13.33	3	Horizontal	120	1.67	-						
AV	11.5099G	40.97	54.00	-13.03	13.32	3	Horizontal	120	1.67	-						

802.11ac VHT40_Nss1,(MCS0)_1TX

30/10/2018

5795MHz_TX



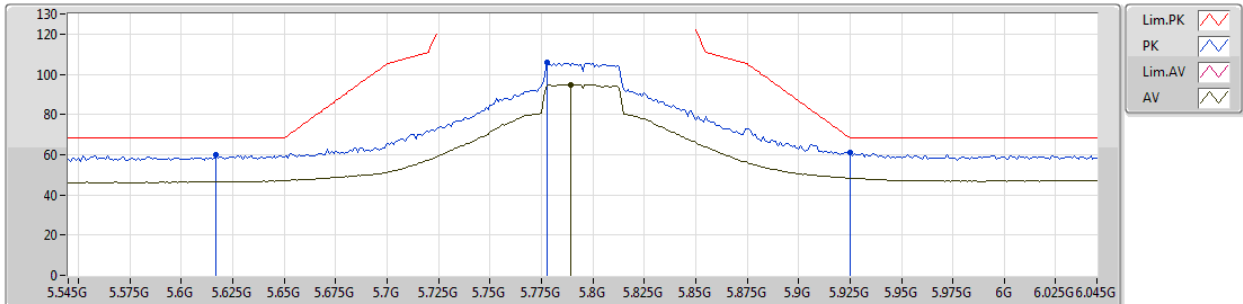
EUT_Z_1TX
Setting 28
01-J-5-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.646G	63.42	68.20	-4.78	6.46	3	Vertical	327	1.87	-
PK	5.798G	112.10	Inf	-Inf	7.09	3	Vertical	327	1.87	-
AV	5.797G	101.42	Inf	-Inf	7.09	3	Vertical	327	1.87	-
PK	5.925G	64.60	68.20	-3.60	7.34	3	Vertical	327	1.87	-

802.11ac VHT40_Nss1,(MCS0)_1TX

30/10/2018

5795MHz_TX



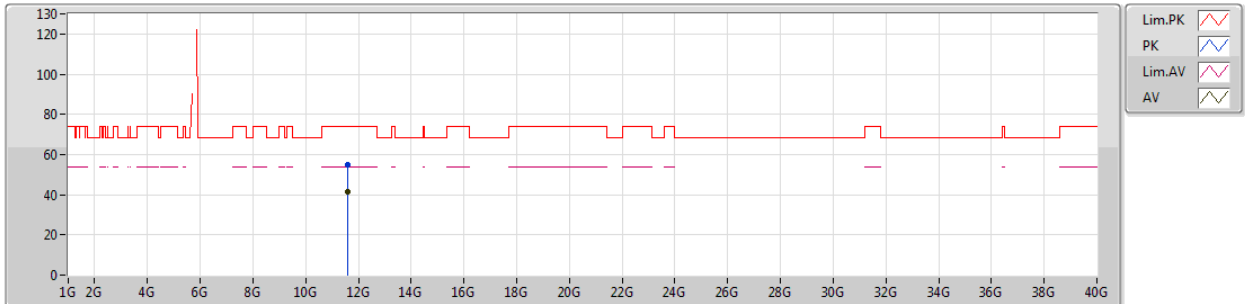
EUT_Z_1TX
Setting 28
01-J-5-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.617G	59.80	68.20	-8.40	6.35	3	Horizontal	178	1.96	-
PK	5.778G	105.66	Inf	-Inf	7.01	3	Horizontal	178	1.96	-
AV	5.789G	94.96	Inf	-Inf	7.05	3	Horizontal	178	1.96	-
PK	5.925G	61.14	68.20	-7.06	7.34	3	Horizontal	178	1.96	-

802.11ac VHT40_Nss1,(MCS0)_1TX

30/10/2018

5795MHz_TX



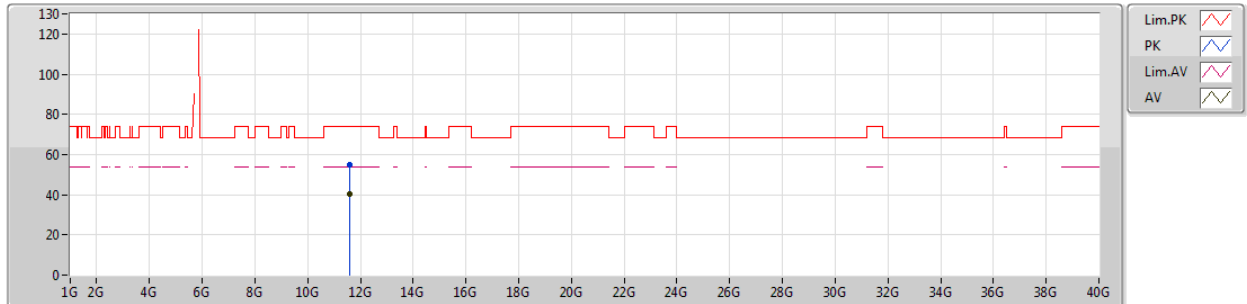
EUT_Z_1TX
Setting 28
01-C-4
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.5939G	54.75	74.00	-19.25	13.33	3	Vertical	20	1.64	-						
AV	11.59G	41.73	54.00	-12.27	13.33	3	Vertical	20	1.64	-						

802.11ac VHT40_Nss1,(MCS0)_1TX

30/10/2018

5795MHz_TX



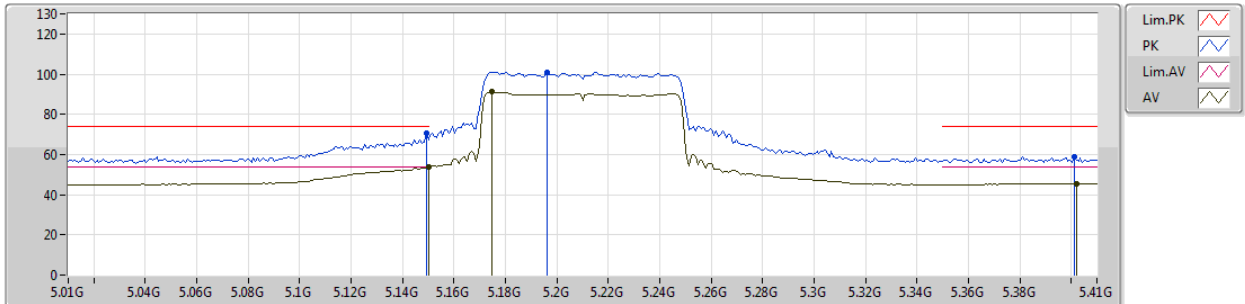
EUT_Z_1TX
Setting 28
01-C-4
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.58312G	54.75	74.00	-19.25	13.33	3	Horizontal	134	1.29	-						
AV	11.58952G	40.25	54.00	-13.75	13.33	3	Horizontal	134	1.29	-						

802.11ac VHT80_Nss1,(MCS0)_1TX

30/10/2018

5210MHz_TX



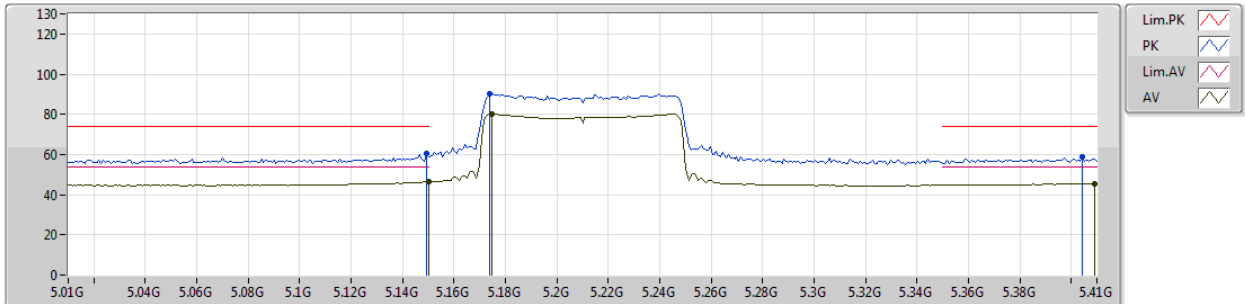
EUT_Z_1TX
Setting 09
01-J-5-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1492G	70.47	74.00	-3.53	4.90	3	Vertical	321	2.20	-
AV	5.15G	53.99	54.00	-0.01	4.90	3	Vertical	321	2.20	-
PK	5.1964G	100.98	Inf	-Inf	4.95	3	Vertical	321	2.20	-
AV	5.1748G	91.08	Inf	-Inf	4.93	3	Vertical	321	2.20	-
PK	5.4012G	59.09	74.00	-14.91	5.79	3	Vertical	321	2.20	-
AV	5.402G	45.51	54.00	-8.49	5.79	3	Vertical	321	2.20	-

802.11ac VHT80_Nss1,(MCS0)_1TX

30/10/2018

5210MHz_TX



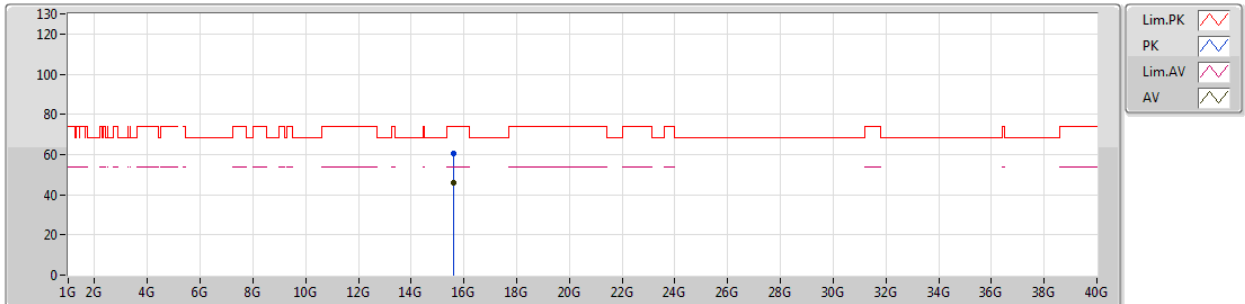
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Setting 09
01-J-5-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1492G	60.40	74.00	-13.60	4.90	3	Horizontal	171	1.45	-
AV	5.15G	46.49	54.00	-7.51	4.90	3	Horizontal	171	1.45	-
PK	5.174G	90.18	Inf	-Inf	4.93	3	Horizontal	171	1.45	-
AV	5.1748G	80.26	Inf	-Inf	4.93	3	Horizontal	171	1.45	-
PK	5.4044G	58.56	74.00	-15.44	5.80	3	Horizontal	171	1.45	-
AV	5.4092G	45.42	54.00	-8.58	5.81	3	Horizontal	171	1.45	-

802.11ac VHT80_Nss1,(MCS0)_1TX

30/10/2018

5210MHz_TX



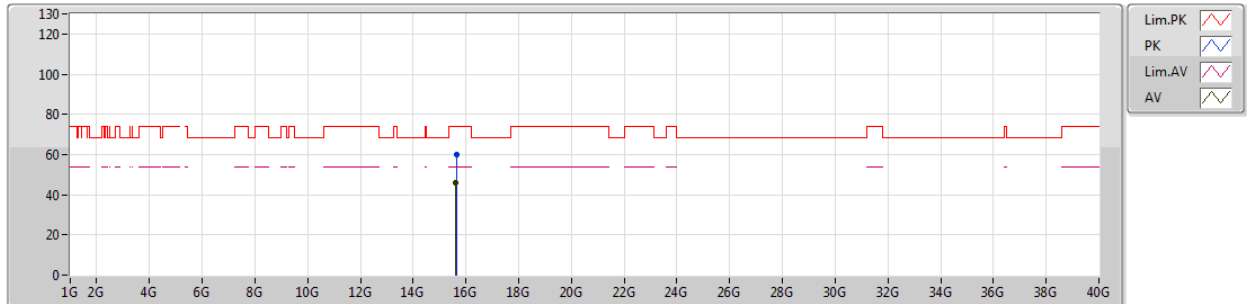
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Setting 09
01-C-4
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.6119G	60.28	74.00	-13.72	15.81	3	Vertical	217	1.42	-						
AV	15.6068G	46.15	54.00	-7.85	15.83	3	Vertical	217	1.42	-						

802.11ac VHT80_Nss1,(MCS0)_1TX

30/10/2018

5210MHz_TX



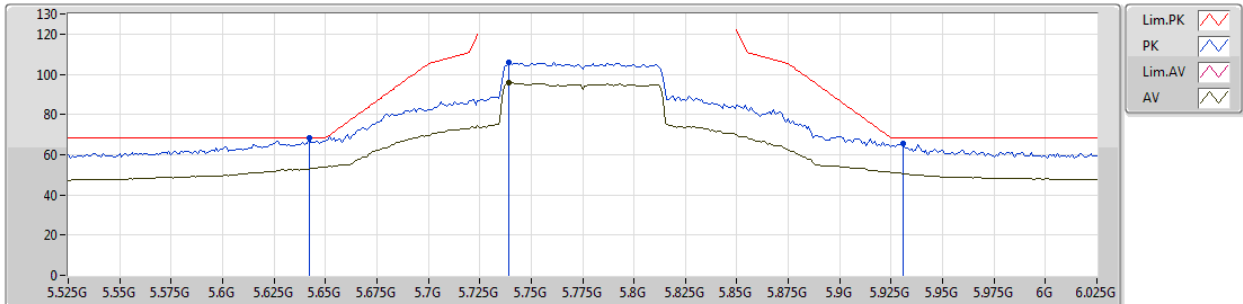
EUT_Z_1TX
Setting 09
01-C-4
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.6353G	60.21	74.00	-13.79	15.78	3	Horizontal	280	2.14	-						
AV	15.607G	46.01	54.00	-7.99	15.83	3	Horizontal	280	2.14	-						

802.11ac VHT80_Nss1,(MCS0)_1TX

30/10/2018

5775MHz_TX



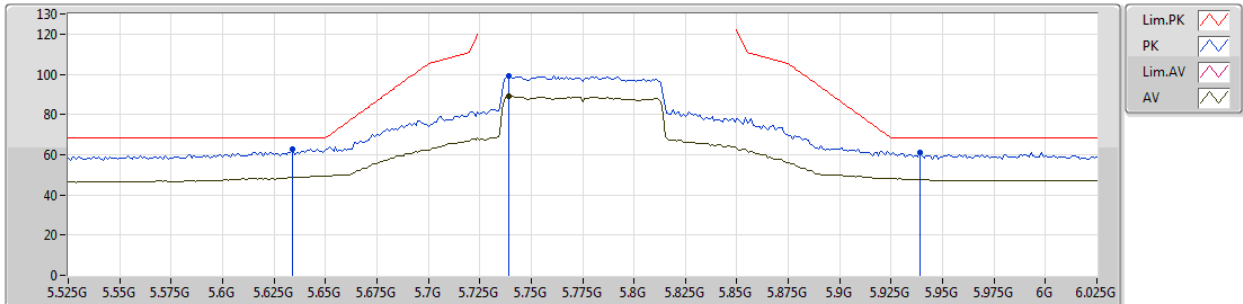
EUT_Z_1TX
Setting 18
01-J-5-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.642G	68.11	68.20	-0.09	6.44	3	Vertical	330	1.77	-
PK	5.739G	105.85	Inf	-Inf	6.85	3	Vertical	330	1.77	-
AV	5.739G	95.87	Inf	-Inf	6.85	3	Vertical	330	1.77	-
PK	5.931G	65.83	68.20	-2.37	7.35	3	Vertical	330	1.77	-

802.11ac VHT80_Nss1,(MCS0)_1TX

30/10/2018

5775MHz_TX



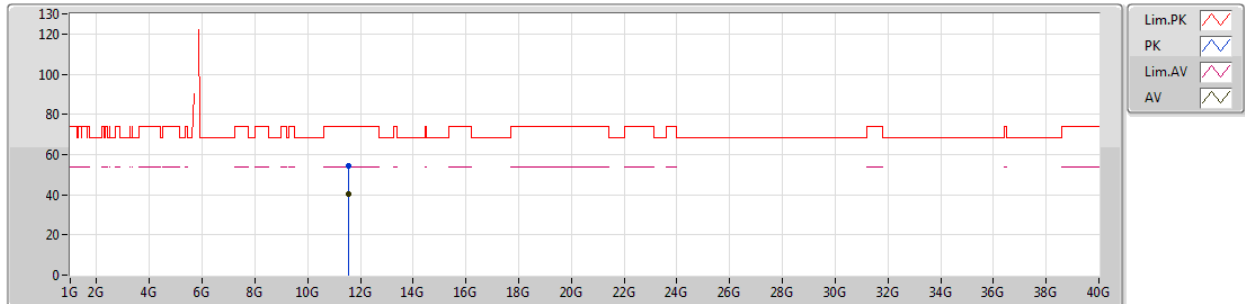
EUT_Z_1TX
Setting 18
01-J-5-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.634G	62.85	68.20	-5.35	6.41	3	Horizontal	176	2.00	-
PK	5.739G	99.10	Inf	-Inf	6.85	3	Horizontal	176	2.00	-
AV	5.739G	89.30	Inf	-Inf	6.85	3	Horizontal	176	2.00	-
PK	5.939G	61.25	68.20	-6.95	7.36	3	Horizontal	176	2.00	-

802.11ac VHT80_Nss1,(MCS0)_1TX

30/10/2018

5775MHz_TX



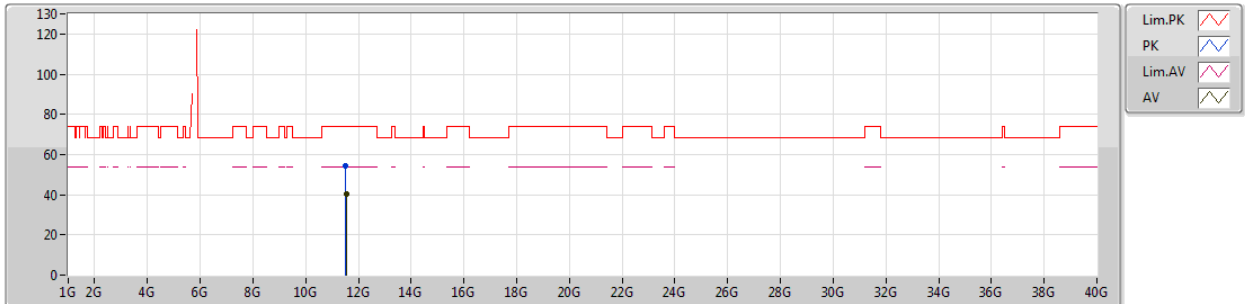
EUT_Z_1TX
Setting 18
01-C-4
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.5514G	54.37	74.00	-19.63	13.33	3	Vertical	152	1.19	-						
AV	11.55G	40.61	54.00	-13.39	13.33	3	Vertical	152	1.19	-						

802.11ac VHT80_Nss1,(MCS0)_1TX

30/10/2018

5775MHz_TX



EUT_Z_1TX
Setting 18
01-C-4
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.527G	54.25	74.00	-19.75	13.33	3	Horizontal	222	1.40	-						
AV	11.5687G	40.36	54.00	-13.64	13.33	3	Horizontal	222	1.40	-						

