



FCC Test Report

Equipment : Digital Satellite Receiver
Brand Name : AT&T
Model No. : HR54-500
FCC ID : O6ZHR54R1
Standard : 47 CFR FCC Part 15.407
Operating Band : 5150 MHz – 5250 MHz
 5250 MHz – 5350 MHz
 5470 MHz – 5725 MHz
 5725 MHz – 5850 MHz

Applicant : Humax Co., Ltd.
 HUMAX Village, 11-4, Sunae-dong, Bundang-gu
 Seongnam city, Gyeonggi-do
 South Korea
 463-825

Manufacturer : Humax Co., Ltd.
 HUMAX Village, 11-4, Sunae-dong, Bundang-gu
 Seongnam city, Gyeonggi-do
 South Korea
 463-825

Function : Outdoor; Indoor; Fixed P2P
 Client

TPC Function : With TPC Without TPC

The product sample received on Oct. 25, 2017 and completely tested on Nov. 28, 2017. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.


 Cliff Chang
 SPORTON INTERNATIONAL INC.





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PHOTOGRAPHS OF EUT V01



Summary of Test Result

Conformance Test Specifications			
Report Clause	Ref. Std. Clause	Description	Result
1.1.2	15.203	Antenna Requirement	Complied
3.1	15.207	AC Power-line Conducted Emissions	Complied
3.2	15.407(a)	Emission Bandwidth	Complied
3.3	15.407(a)	Maximum Conducted Output Power	Complied
3.4	15.407(a)	Peak Power Spectral Density	Complied
3.5	15.407(b)	Unwanted Emissions	Complied
3.6	15.407(g)	Frequency Stability	Complied



Revision History

Report No.	Version	Description	Issued Date
FR7O2406AB	Rev. 01	Initial issue of report	Dec. 06, 2017



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)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [8]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [3]
5725-5850		5755-5795	151-159 [2]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1TX(Port 1)
5.15-5.25GHz	802.11n HT20	20	2TX
5.15-5.25GHz	802.11n HT40	40	2TX
5.25-5.35GHz	802.11a	20	1TX(Port 1)
5.25-5.35GHz	802.11n HT20	20	2TX
5.25-5.35GHz	802.11n HT40	40	2TX
5.47-5.725GHz	802.11a	20	1TX(Port 1)
5.47-5.725GHz	802.11n HT20	20	2TX
5.47-5.725GHz	802.11n HT40	40	2TX
5.725-5.85GHz	802.11a	20	1TX(Port 1)
5.725-5.85GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11n HT40	40	2TX

Note:

- ◆ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM 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	Part Number	Antenna Type	Connector	
1	2	Airgain	N2425HMHRA-290	PCB Antenna	I-PEX	
2	1	Airgain	N2425HMHRD-190	PCB Antenna	I-PEX	
Ant.	Port	Brand	Part Number	Antenna Type	Connector	Gain (dBi)
3	1	-	-	Printed Antenna	N/A	5.2
4	2	-	-	Printed Antenna	N/A	4.8

Frequency (MHz)	Ant. 1 Gain (dBi)	Ant. 2 Gain (dBi)	Composite Gain (dBi)
2400	2.1	4.0	4.2
2410	2.2	3.8	
2420	2.3	3.7	
2430	2.6	3.7	
2440	2.7	3.7	
2450	2.7	3.7	
2460	2.8	3.8	
2470	3.0	3.8	
2480	3.1	3.8	
2490	3.2	3.8	
5150	4.0	3.2	5.5
5200	3.8	3.7	
5300	3.6	3.3	5.4
5400	3.6	4.1	
5500	3.1	4.0	5.6
5600	3.4	4.2	
5700	3.3	3.7	
5800	3.9	3.6	5.5
5850	4.1	3.8	



<For 2.4GHz function>

For IEEE 802.11b mode <1TX/1RX>:

Only Port 1 can be used as transmitting/receiving antenna.

For IEEE 802.11g mode <1TX/1RX>:

The EUT supports the antenna with TX and RX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The Port 2 generated the worst case, so it was selected to test and record in the report.

For IEEE 802.11n mode <2TX/2RX>:

Port 1 and Port 2 will transmit/receive the same signal simultaneously.

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

<For 5GHz function>

For IEEE 802.11a mode <1TX/1RX>:

The EUT supports the antenna with TX and RX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The Port 1 generated the worst case, so it was selected to test and record in the report.

For IEEE 802.11n mode <2TX/2RX>:

Port 1 and Port 2 will transmit/receive the same signal simultaneously.

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

<For RF4CE function>

For RF4CE mode <1TX/1RX>:

The EUT supports the antenna with TX and RX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The Port 2 generated the worst case, so it was selected to test and record in the report.

1.1.3 Mode Test Duty Cycle

802.11a

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.973	0.119	2.081m	1k

802.11n

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11n HT20	0.97	0.132	1.937m	1k
802.11n HT40	0.942	0.259	936.875u	3k

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	<input type="checkbox"/>	With beamforming	<input checked="" type="checkbox"/>	Without beamforming
Weather Band	<input type="checkbox"/>	With 5600~5650MHz	<input checked="" type="checkbox"/>	Without 5600~5650MHz
Test Software Version	ttermpro			



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 v01r04
- ◆ FCC KDB 662911 D01 v02r01

1.3 Testing Location Information

Testing Location		
<input type="checkbox"/>	HWA YA	ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL : 886-3-327-3456 FAX : 886-3-318-0055
<input checked="" type="checkbox"/>	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	Gino Huang	22°C / 55%	Oct. 31, 2017~Nov. 28, 2017
Radiated	03CH01-CB	Gino Huang / Zero Chen / Joy Tseng	22°C / 54%	Oct. 31, 2017~Nov. 25, 2017
AC Conduction	CO02-CB	Peter Wu / GN Hou	24°C / 56%	Oct. 27, 2017~Nov. 28, 2017

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)	3.2 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%
Frequency Stability	6.06 x10 ⁻⁸	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

802.11a

Mode	Power Setting
802.11a_Nss1,(6Mbps)_1TX	-
5180MHz	87
5200MHz	91
5240MHz	92
5260MHz	90
5300MHz	85
5320MHz	85
5500MHz	85
5580MHz	93
5700MHz	85
5745MHz	99
5785MHz	99
5825MHz	99



802.11n

Mode	Power Setting
802.11n HT20_Nss1,(MCS0)_2TX	-
5180MHz	80
5200MHz	80
5240MHz	80
5260MHz	78
5300MHz	79
5320MHz	79
5500MHz	78
5580MHz	76
5700MHz	77
5745MHz	99
5785MHz	99
5825MHz	99
802.11n HT40_Nss1,(MCS0)_2TX	-
5190MHz	65
5230MHz	80
5270MHz	79
5310MHz	69
5510MHz	66
5550MHz	80
5670MHz	79
5755MHz	99
5795MHz	99



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	CTX
1	CTX - 2.4GHz
2	CTX - 5GHz
3	CTX - RF4CE
Mode 1 generated the worst test result, so it was recorded in this report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density Frequency Stability
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	CTX
1	CTX - 2.4GHz
2	CTX - 5GHz
3	CTX - RF4CE
Mode 2 generated the worst test result, so it was recorded in this report.	
Operating Mode > 1GHz	CTX

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + RF4CE
2	WLAN 5GHz + RF4CE
Refer to Sporton Test Report No.: FA7O2406 for Co-location RF Exposure Evaluation.	

Note1: The EUT can only use Z axis position.



2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter	DIRECTV	EPS44R3-16	INPUT: 120V ~ 1.1A, 60Hz OUTPUT: 12V, 4A
Equipment Name	Brand Name	Part Number	Rating
Hard Disk	SEAGATE	1SD102-500	-

2.5 Support Equipment

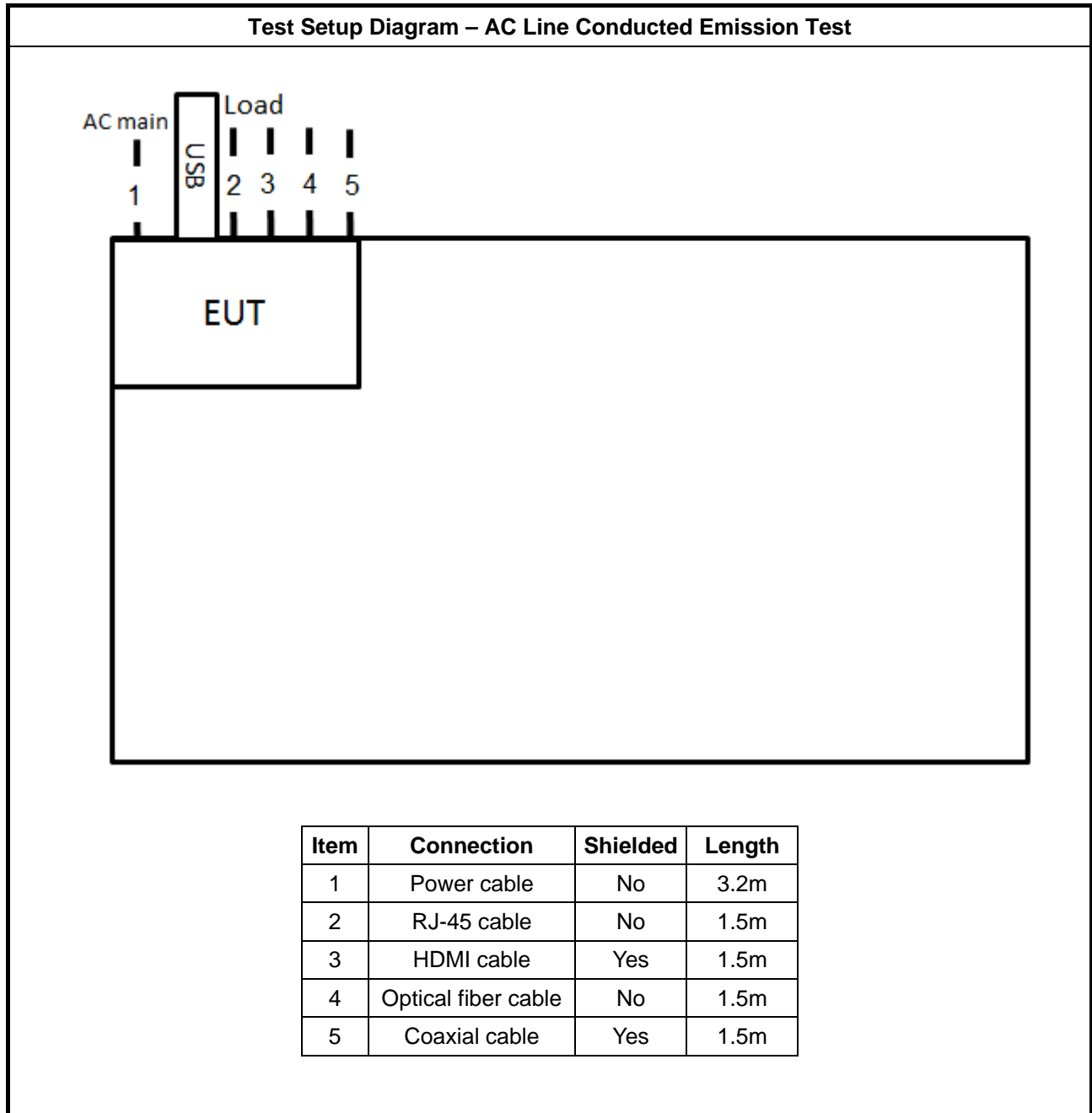
For Test Site No: CO01-CB

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E6430	DoC
2	Flash disk	Silicon	I-Series	DoC

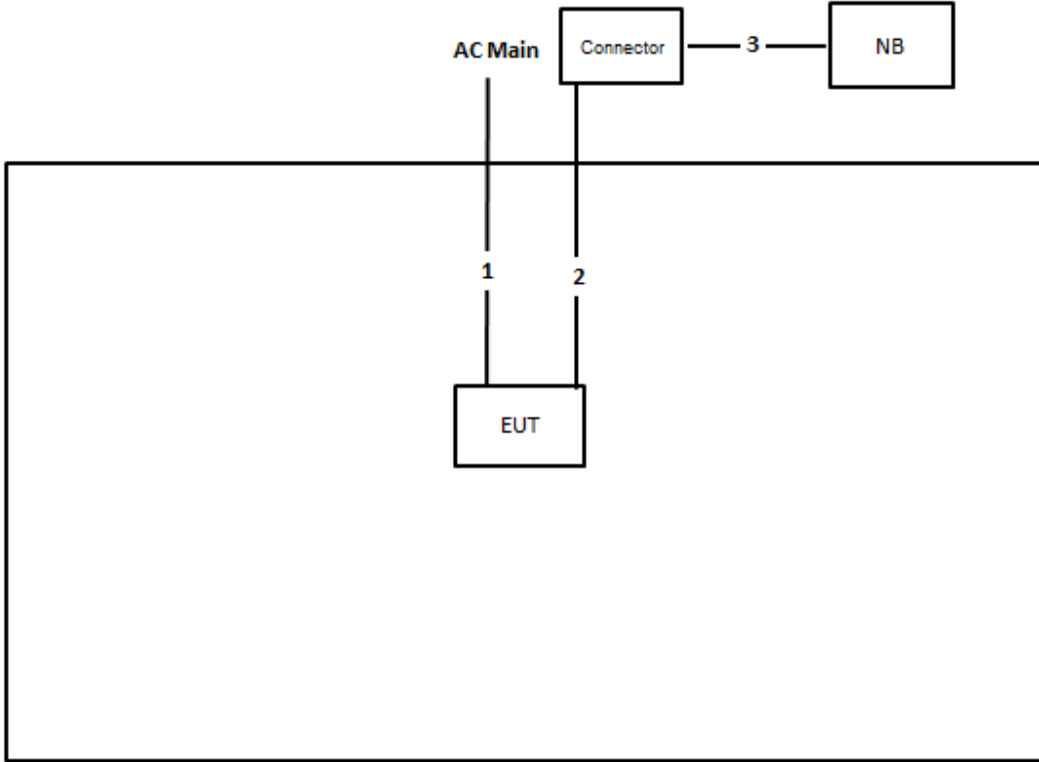
For Test Site No: 03CH01-CB and TH01-CB

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E4300	DoC

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	Power cable	No	3.2m
2	RS232 to USB cable	No	0.45m
3	USB 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.

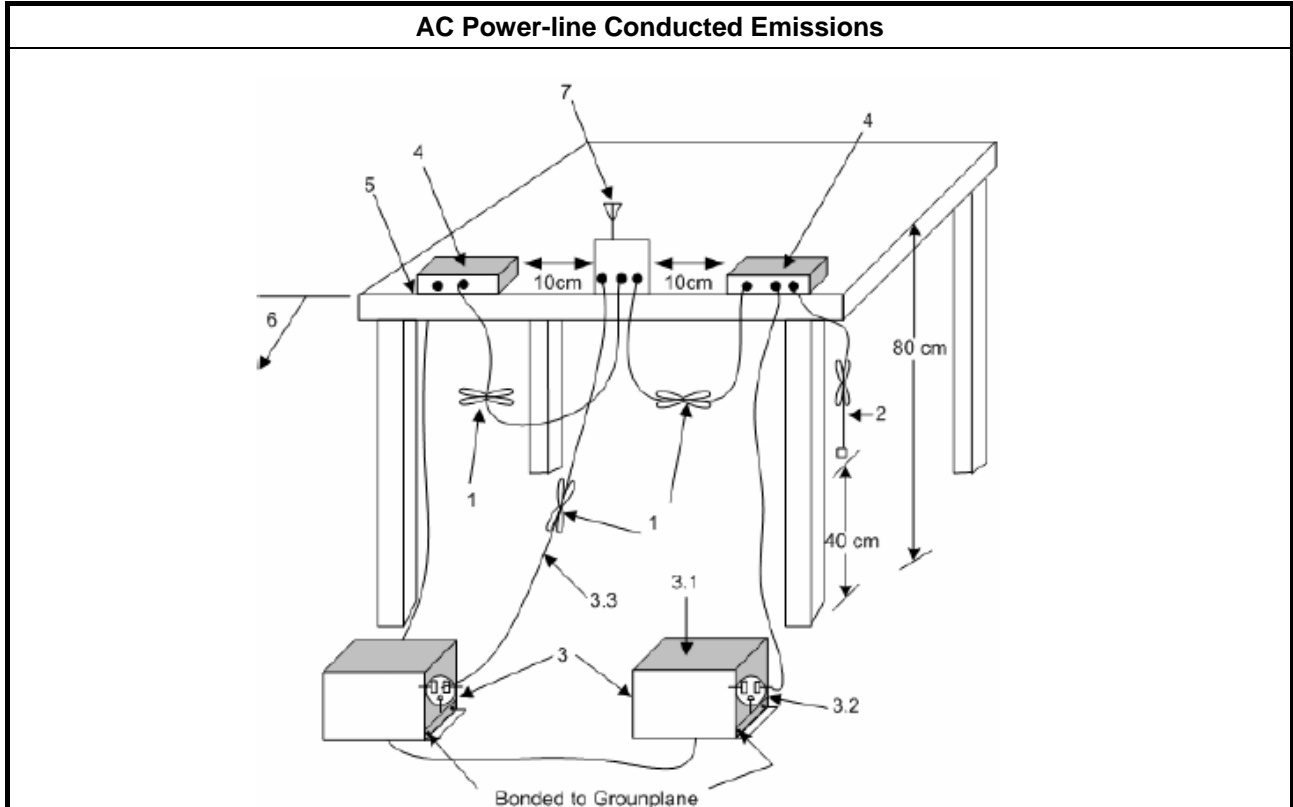
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> 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	
<input checked="" type="checkbox"/>	For the 5.15-5.25 GHz band, N/A
<input checked="" type="checkbox"/>	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
<input checked="" type="checkbox"/>	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
<input checked="" type="checkbox"/>	For the 5.725-5.85 GHz band, 6 dB emission bandwidth \geq 500kHz.
LE-LAN Devices	
<input type="checkbox"/>	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.
<input type="checkbox"/>	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
<input type="checkbox"/>	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
<input type="checkbox"/>	For the 5.725-5.85 GHz band, 6 dB emission bandwidth \geq 500kHz.

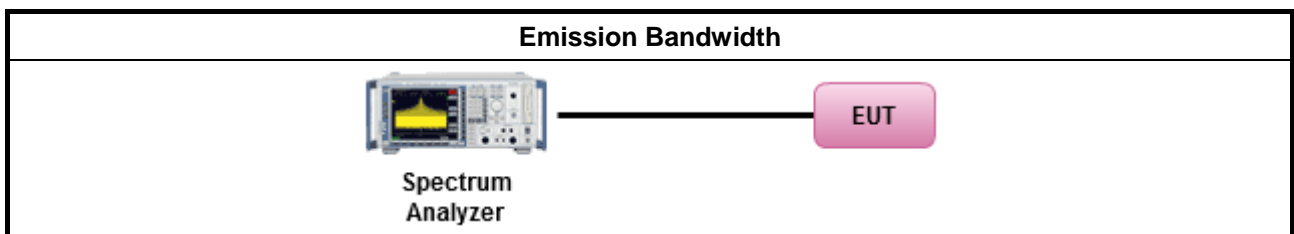
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below: 	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
<input checked="" type="checkbox"/>	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	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> ▪ 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 $P_{Out} = 24 - (G_{TX} - 6)$.
<input checked="" type="checkbox"/> 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 $P_{Out} = 24 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> 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 $P_{Out} = 24 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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	
<input type="checkbox"/> 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.	
<input type="checkbox"/> 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	
<input type="checkbox"/> 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	
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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.	

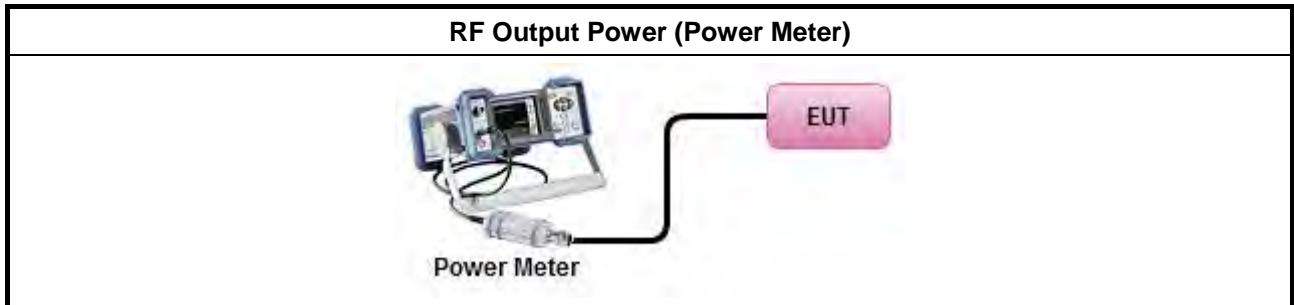
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> Maximum Conducted Output Power 	
Average over on/off periods with duty factor	
<input type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	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	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause E Method PM-G (using an RF average power meter).
<ul style="list-style-type: none"> For conducted measurement. 	
<ul style="list-style-type: none"> 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. 	
<ul style="list-style-type: none"> 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	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> ▪ 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 $PPSD = 11 - (G_{TX} - 6)$.
<input checked="" type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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	
<input type="checkbox"/> For the 5.15-5.25 GHz band, the peak power spectral density (PPSD) ≤ 4 dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.	
<input type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) ≤ 17 dBm/MHz.	
	<ul style="list-style-type: none"> ▪ 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 $\theta > 45^\circ$
<input type="checkbox"/> For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) ≤ 17 dBm/MHz.	
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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.
<p>PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz</p> <p>G_{TX} = the maximum transmitting antenna directional gain in dBi.</p>	

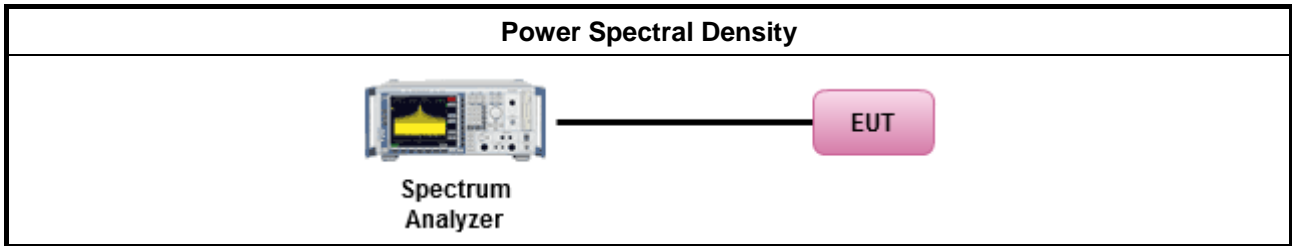
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ 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: 	
<input type="checkbox"/>	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]	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).
<input type="checkbox"/>	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	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below: 	
<input checked="" type="checkbox"/>	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.
<input type="checkbox"/>	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,
<input type="checkbox"/>	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.
<ul style="list-style-type: none"> ▪ 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 Radiated 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).



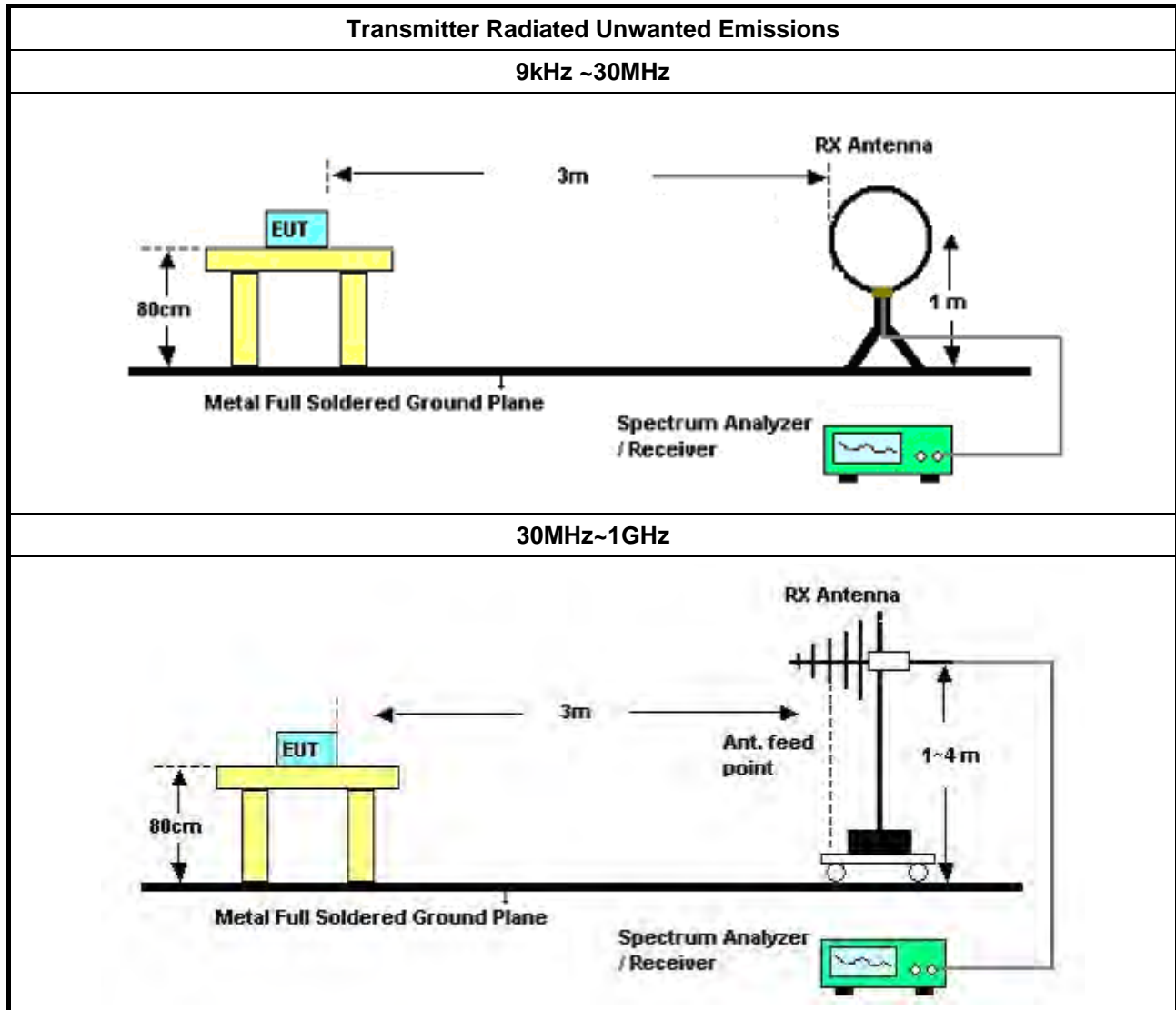
3.5.2 Measuring Instruments

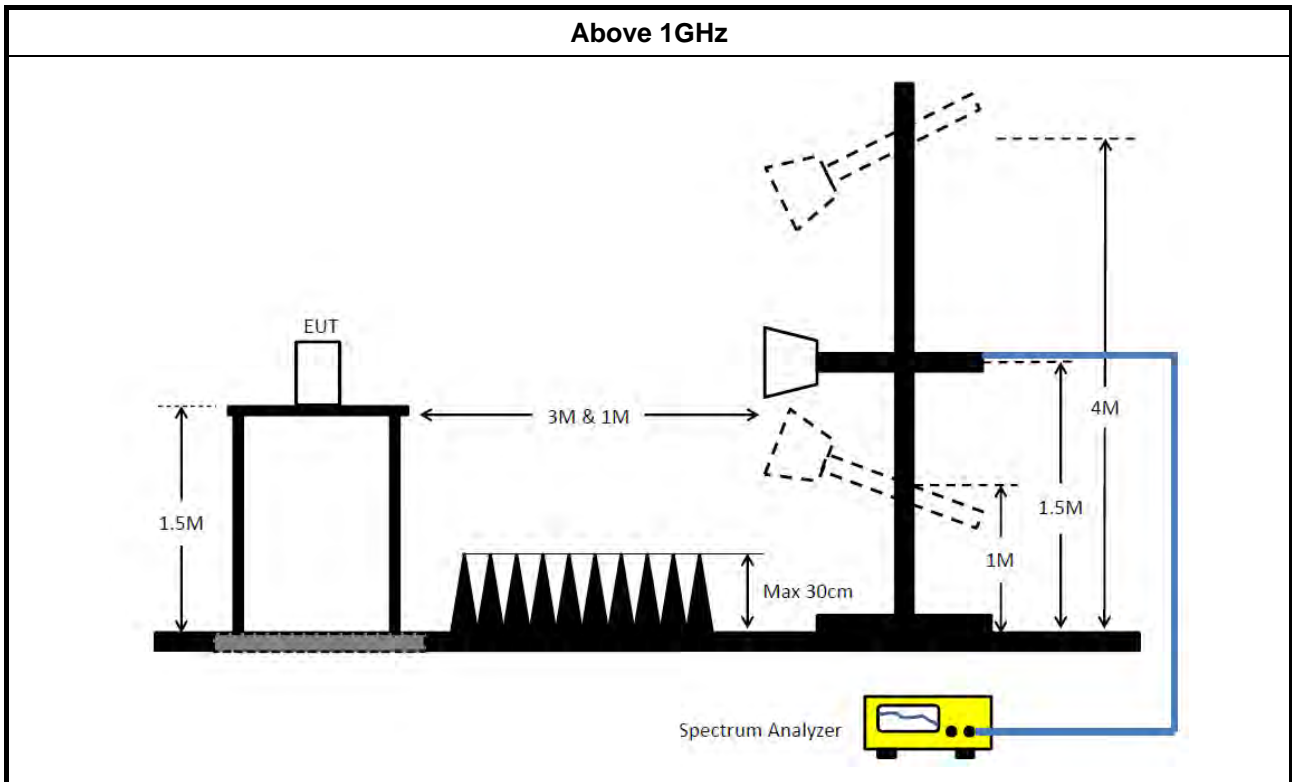
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method	
	<ul style="list-style-type: none"> ▪ 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).
	<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle \geq 98 or duty factor].
	<ul style="list-style-type: none"> ▪ For the transmitter unwanted emissions shall be measured using following options below: <ul style="list-style-type: none"> ▪ Refer as FCC KDB 789033, clause H)2) for unwanted emissions into non-restricted bands. ▪ Refer as FCC KDB 789033, clause H)1) for unwanted emissions into restricted bands. <ul style="list-style-type: none"> <input type="checkbox"/> Refer as FCC KDB 789033, H)6) Method AD (Trace Averaging). <input checked="" type="checkbox"/> Refer as FCC KDB 789033, H)6) Method VB (Reduced VBW). <input type="checkbox"/> Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). $VBW \geq 1/T$, where T is pulse time. <input type="checkbox"/> Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions. <input checked="" type="checkbox"/> Refer as FCC KDB 789033, clause H)5) measurement procedure peak limit. <input type="checkbox"/> Refer as ANSI C63.10, clause 4.2.3.2.2 measurement procedure peak limit.
	<ul style="list-style-type: none"> ▪ For radiated measurement. <ul style="list-style-type: none"> ▪ 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.
	<ul style="list-style-type: none"> ▪ The any unwanted emissions level shall not exceed the fundamental emission level.
	<ul style="list-style-type: none"> ▪ 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.

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Frequency Stability

3.6.1 Frequency Stability Limit

Frequency Stability Limit
UNII Devices
<ul style="list-style-type: none"> In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.
LE-LAN Devices
<ul style="list-style-type: none"> N/A
IEEE Std. 802.11
<ul style="list-style-type: none"> The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band and ± 25 ppm maximum for the 2.4 GHz band.

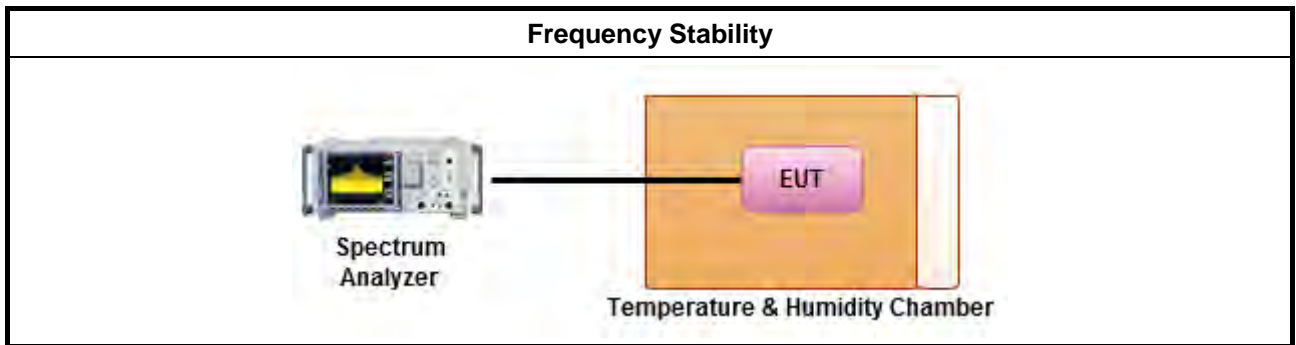
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 6.8 for frequency stability tests
<ul style="list-style-type: none"> Frequency stability with respect to ambient temperature
<ul style="list-style-type: none"> Frequency stability when varying supply voltage
<ul style="list-style-type: none"> Extreme temperature is 0°C~50°C.

3.6.4 Test Setup



3.6.5 Test Result of Frequency Stability

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 14, 2016	Dec. 13, 2017	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 21, 2016	Dec. 20, 2017	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	Jan. 16, 2017	Jan. 15, 2018	Conduction (CO02-CB)
COND Cable	Woken	Cable	01	0.15MHz ~ 30MHz	Nov. 30, 2016	Nov. 29, 2017	Conduction (CO02-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F	9561-F073	9kHz ~ 30MHz	Oct. 03, 2017	Oct. 02, 2018	Conduction (CO02-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 30, 2017	Aug. 29, 2018	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Mar. 15, 2018*	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 27, 2017	Apr. 26, 2018	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 05, 2017	Jul. 04, 2018	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2017	May 01, 2018	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 16, 2017	Jan. 15, 2018	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 10, 2017	Jul. 09, 2018	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSV40	101024	9kHz ~ 40GHz	Aug. 31, 2017	Aug. 30, 2018	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 06, 2017	May 05, 2018	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 26, 2016	Dec. 25, 2017	Conducted (TH01-CB)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 02, 2017	Jun. 01, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY54320015	50MHz~18GHz	Apr. 24, 2017	Apr. 23, 2018	Conducted (TH01-CB)

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

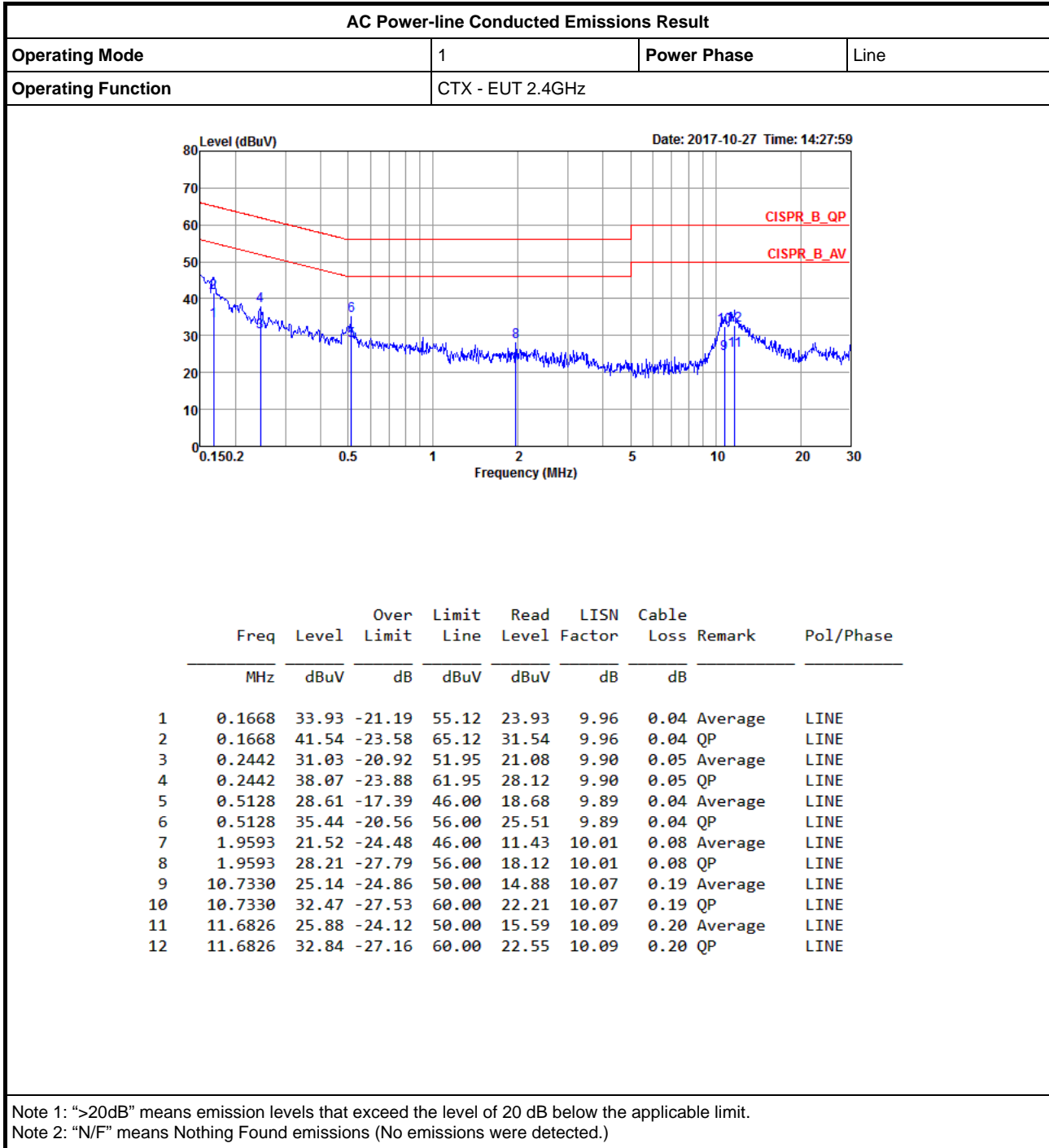
*Calibration Interval of instruments listed above is two year.

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



AC Power-line Conducted Emissions Result

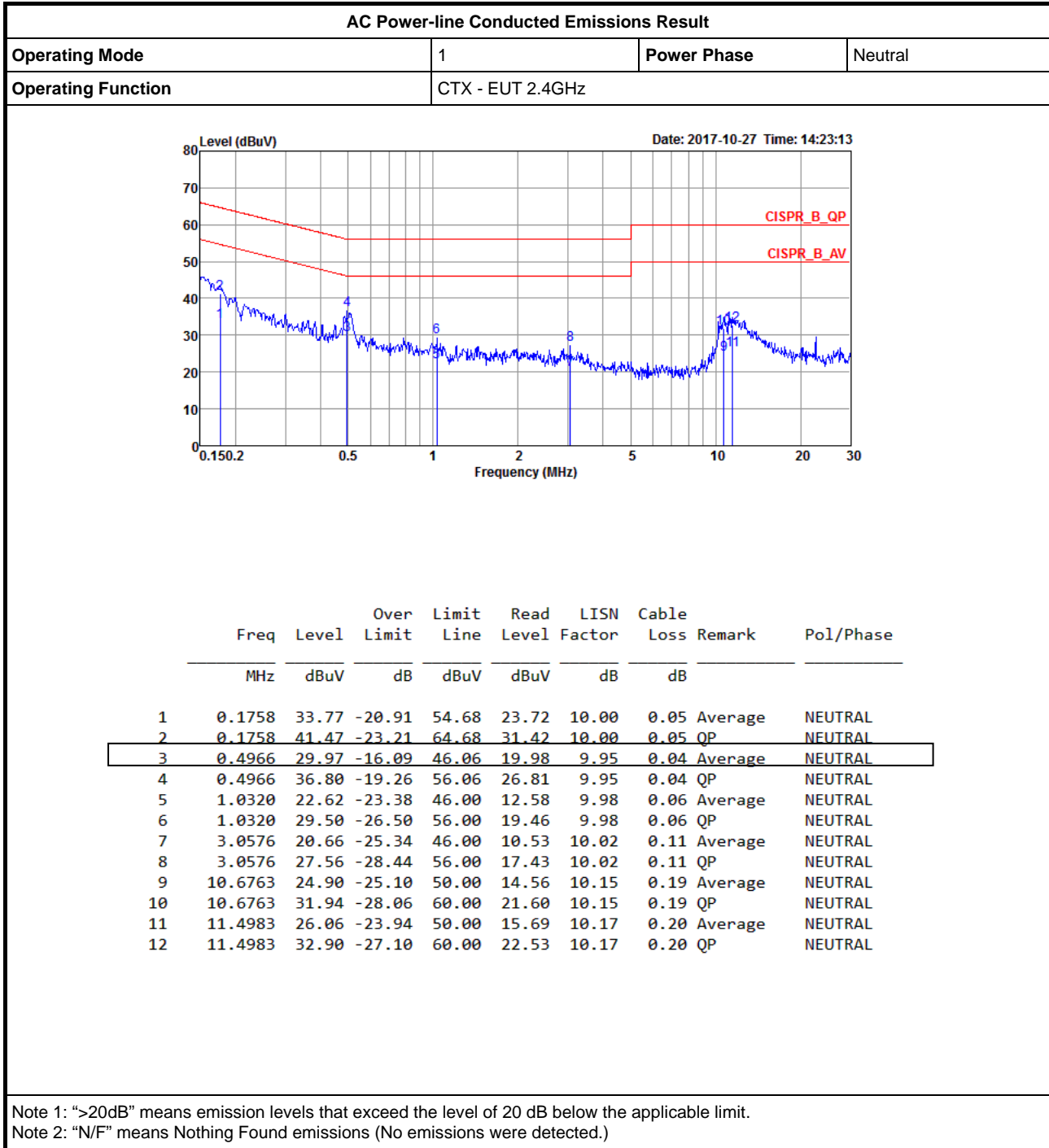
Appendix A





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	31.15M	16.767M	16M8D1D	25.975M	16.667M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	28.525M	16.642M	16M6D1D	25.975M	16.617M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	30.925M	16.767M	16M8D1D	24.725M	16.567M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	16.35M	19.29M	19M3D1D	16.3M	18.066M

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;

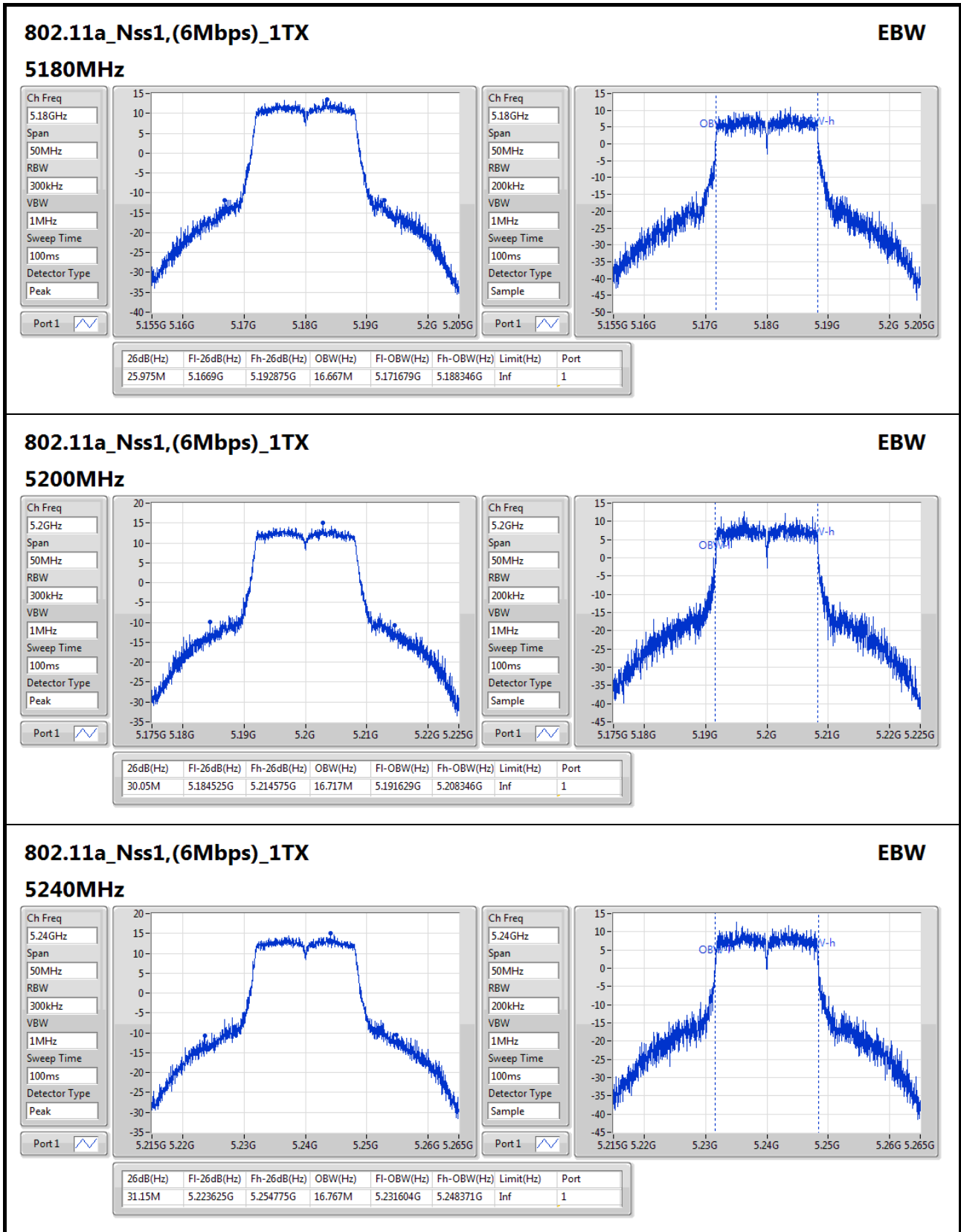


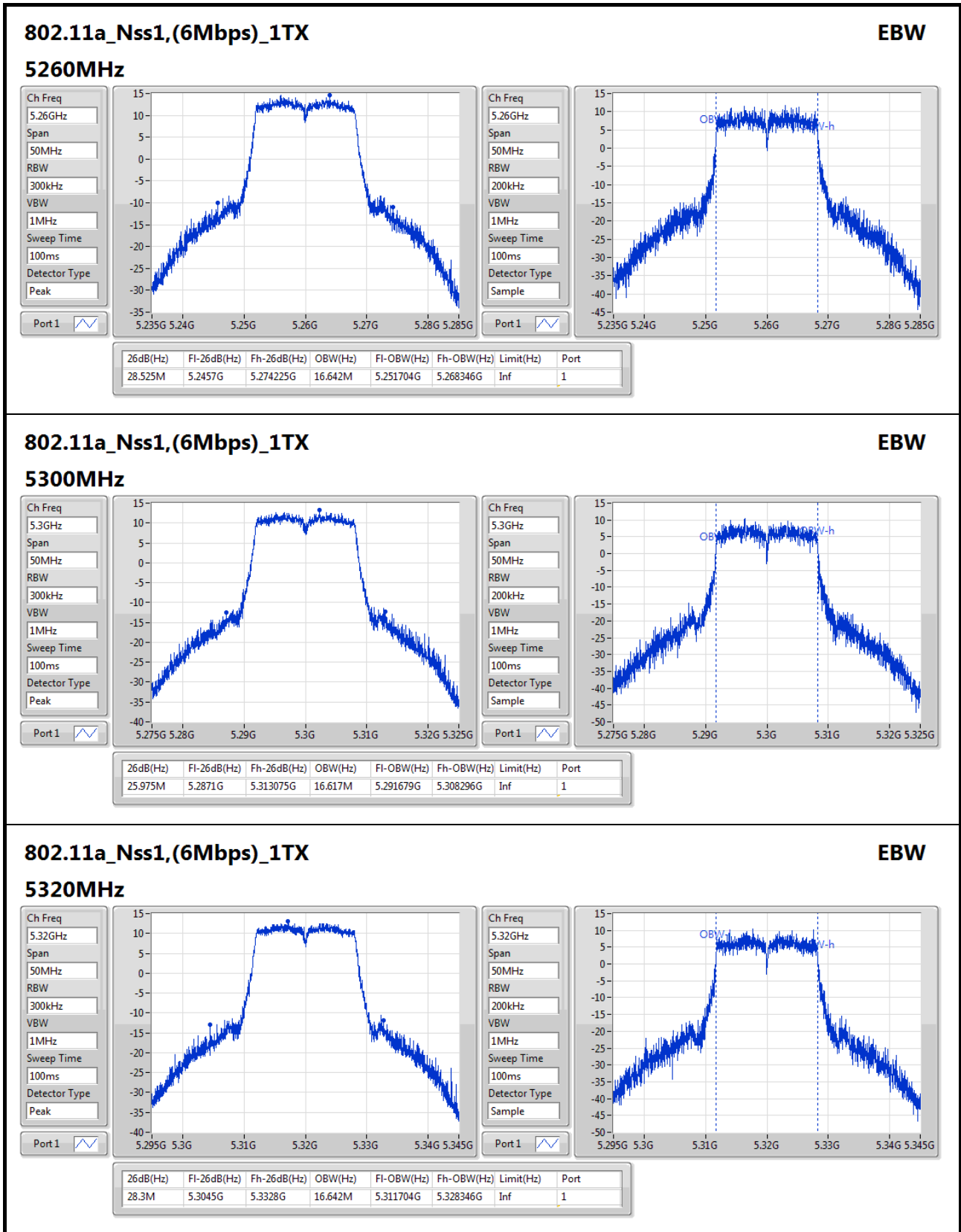
Result

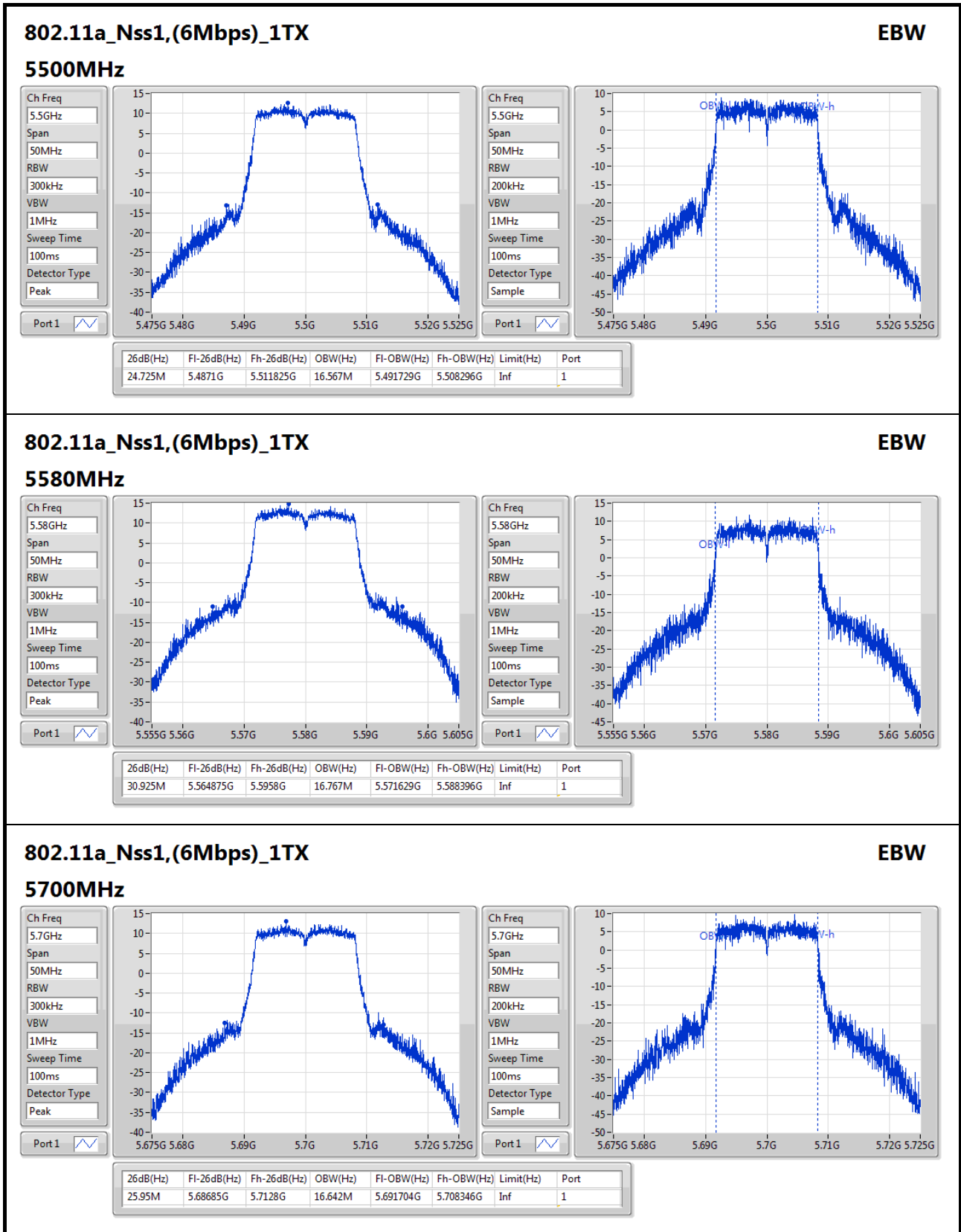
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	25.975M	16.667M
5200MHz	Pass	Inf	30.05M	16.717M
5240MHz	Pass	Inf	31.15M	16.767M
5260MHz	Pass	Inf	28.525M	16.642M
5300MHz	Pass	Inf	25.975M	16.617M
5320MHz	Pass	Inf	28.3M	16.642M
5500MHz	Pass	Inf	24.725M	16.567M
5580MHz	Pass	Inf	30.925M	16.767M
5700MHz	Pass	Inf	25.95M	16.642M
5745MHz	Pass	500k	16.3M	18.066M
5785MHz	Pass	500k	16.35M	18.766M
5825MHz	Pass	500k	16.325M	19.29M

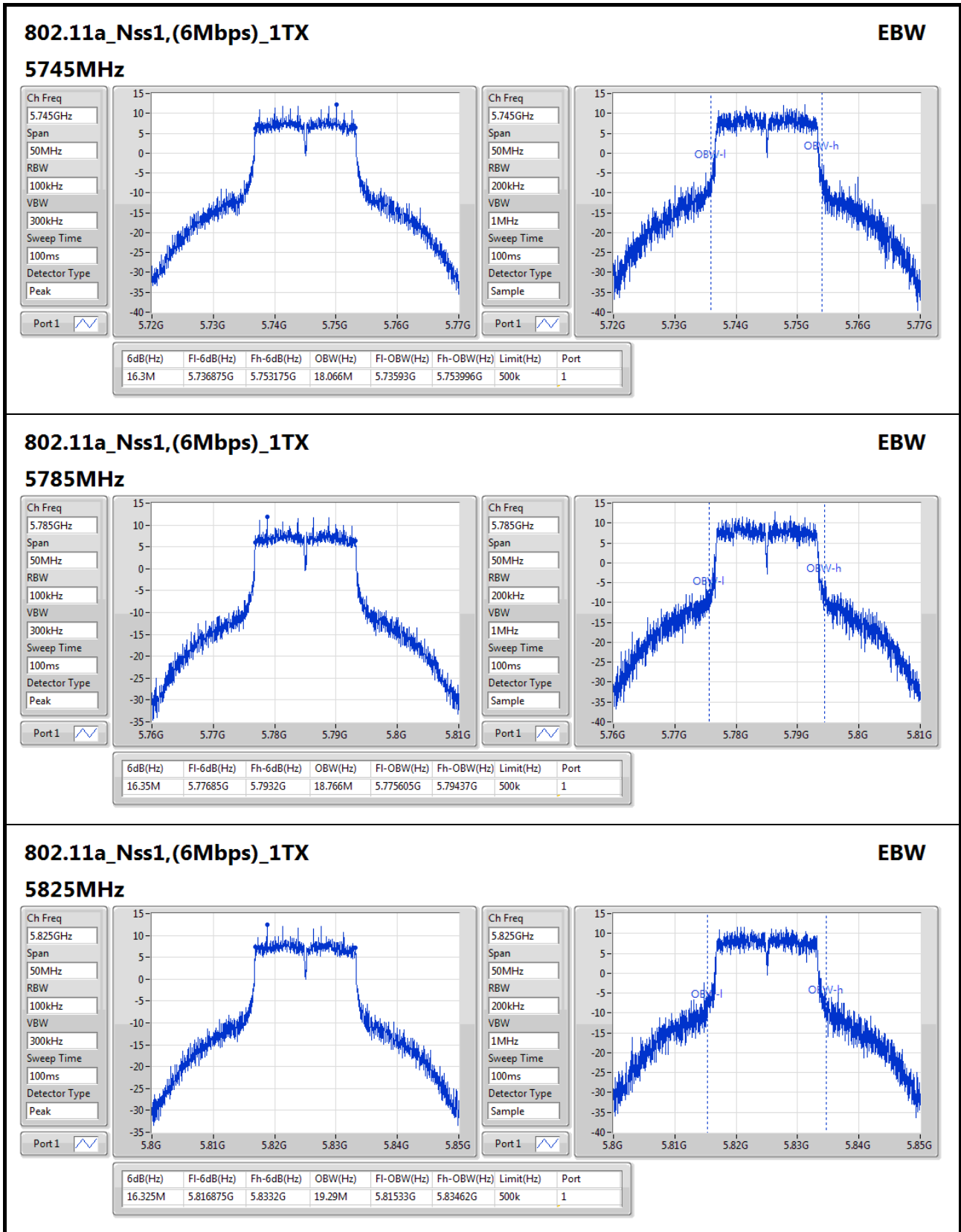
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

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











Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11n HT20_Nss1,(MCS0)_2TX	22.875M	17.741M	17M7D1D	21.15M	17.691M
802.11n HT40_Nss1,(MCS0)_2TX	44.65M	36.182M	36M2D1D	39.6M	36.032M
5.25-5.35GHz	-	-	-	-	-
802.11n HT20_Nss1,(MCS0)_2TX	21.7M	17.791M	17M8D1D	20.85M	17.691M
802.11n HT40_Nss1,(MCS0)_2TX	44.8M	36.182M	36M2D1D	41.85M	36.082M
5.47-5.725GHz	-	-	-	-	-
802.11n HT20_Nss1,(MCS0)_2TX	20.875M	16.667M	16M7D1D	20.55M	16.542M
802.11n HT40_Nss1,(MCS0)_2TX	48.75M	36.182M	36M2D1D	39.9M	36.032M
5.725-5.85GHz	-	-	-	-	-
802.11n HT20_Nss1,(MCS0)_2TX	17.55M	22.939M	22M9D1D	17.25M	19.59M
802.11n HT40_Nss1,(MCS0)_2TX	35.3M	39.53M	39M5D1D	35M	37.181M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

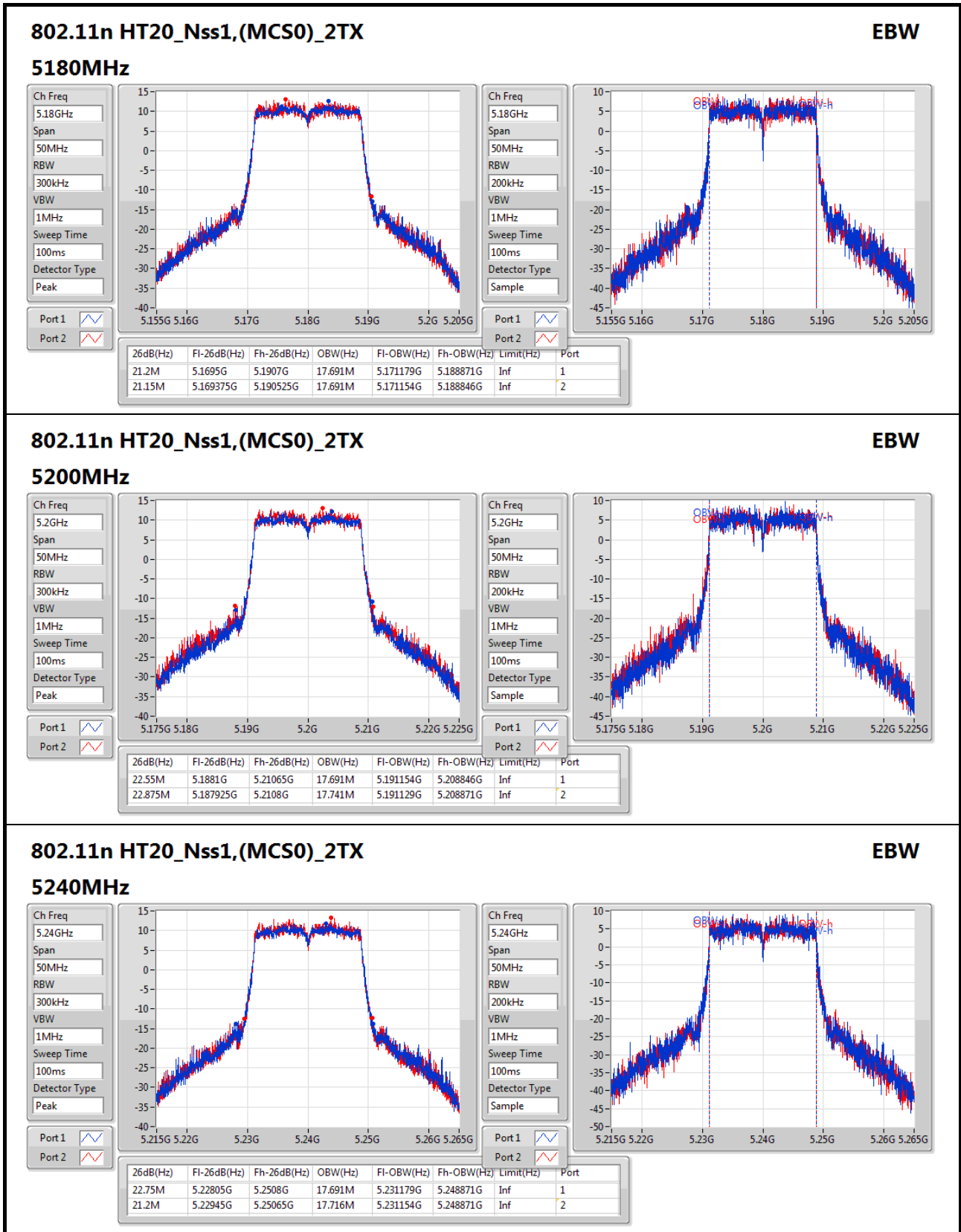


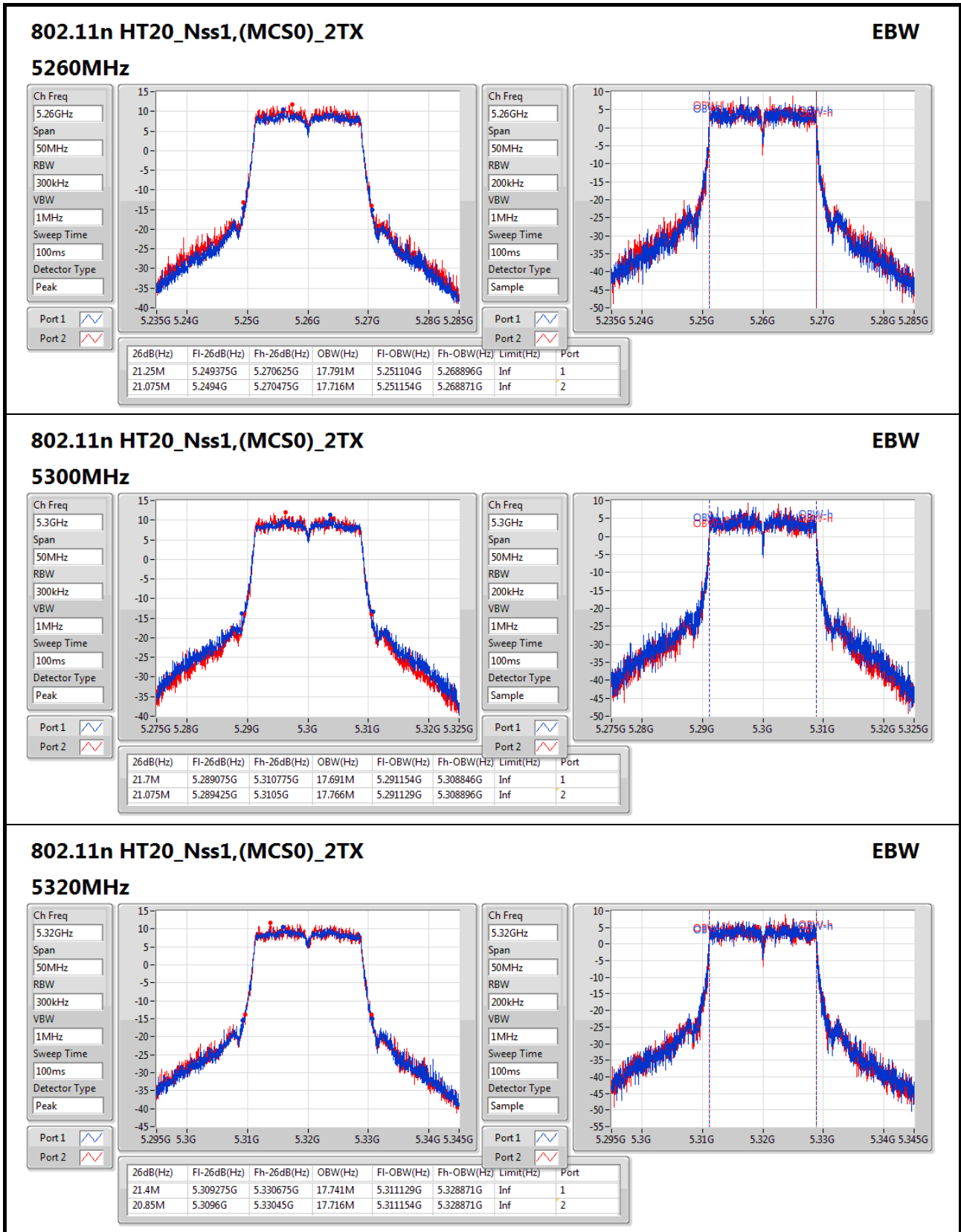
Result

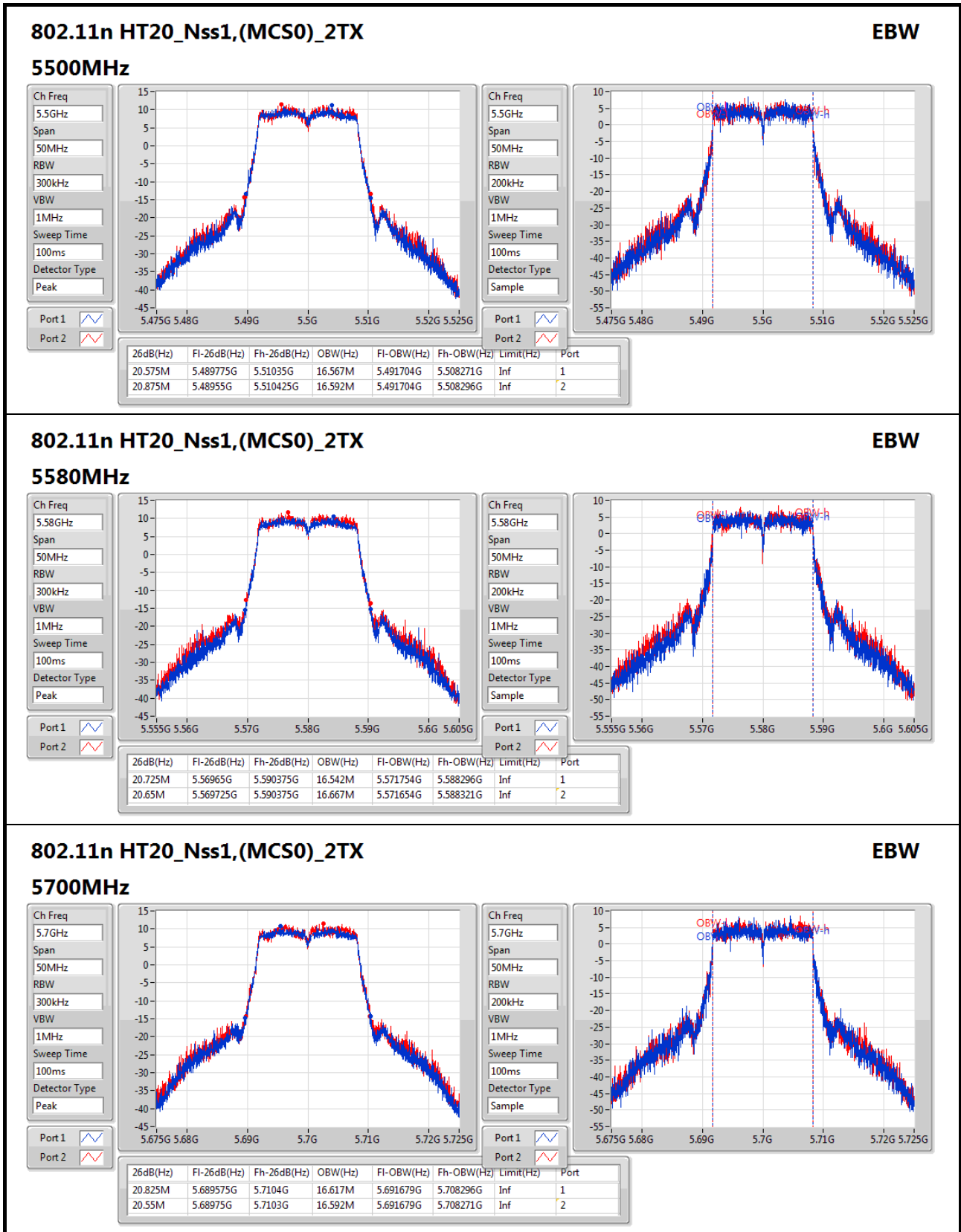
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.2M	17.691M	21.15M	17.691M
5200MHz	Pass	Inf	22.55M	17.691M	22.875M	17.741M
5240MHz	Pass	Inf	22.75M	17.691M	21.2M	17.716M
5260MHz	Pass	Inf	21.25M	17.791M	21.075M	17.716M
5300MHz	Pass	Inf	21.7M	17.691M	21.075M	17.766M
5320MHz	Pass	Inf	21.4M	17.741M	20.85M	17.716M
5500MHz	Pass	Inf	20.575M	16.567M	20.875M	16.592M
5580MHz	Pass	Inf	20.725M	16.542M	20.65M	16.667M
5700MHz	Pass	Inf	20.825M	16.617M	20.55M	16.592M
5745MHz	Pass	500k	17.525M	19.59M	17.25M	21.014M
5785MHz	Pass	500k	17.275M	20.315M	17.525M	22.214M
5825MHz	Pass	500k	17.275M	21.064M	17.55M	22.939M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	44.65M	36.032M	39.7M	36.182M
5230MHz	Pass	Inf	42.4M	36.182M	39.6M	36.082M
5270MHz	Pass	Inf	43.8M	36.082M	44.8M	36.132M
5310MHz	Pass	Inf	42.35M	36.082M	41.85M	36.182M
5510MHz	Pass	Inf	42.35M	36.032M	39.9M	36.032M
5550MHz	Pass	Inf	45.25M	36.132M	41.85M	36.132M
5670MHz	Pass	Inf	48.75M	36.132M	42.05M	36.182M
5755MHz	Pass	500k	35.3M	37.481M	35M	37.181M
5795MHz	Pass	500k	35.1M	39.53M	35.05M	37.781M

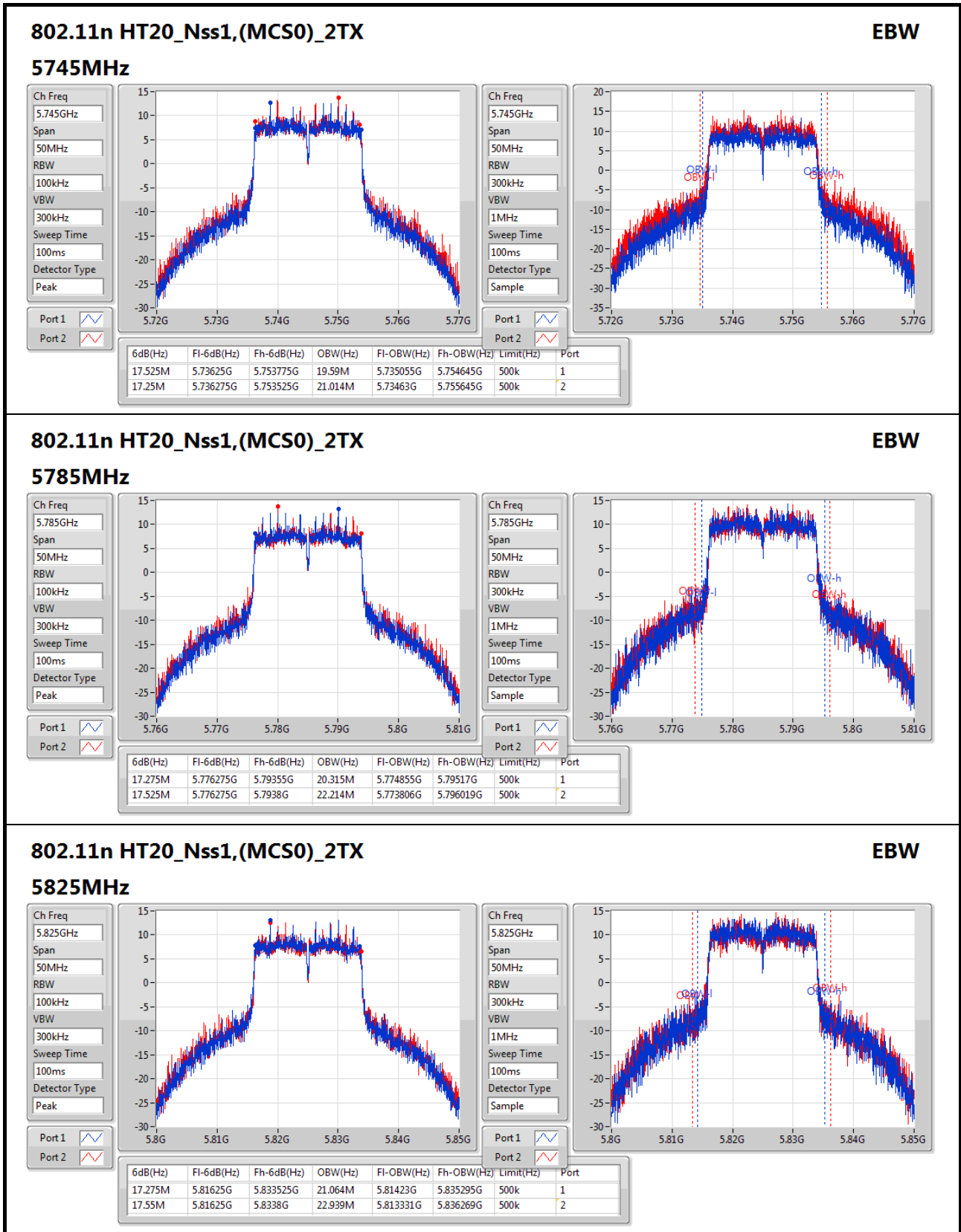
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

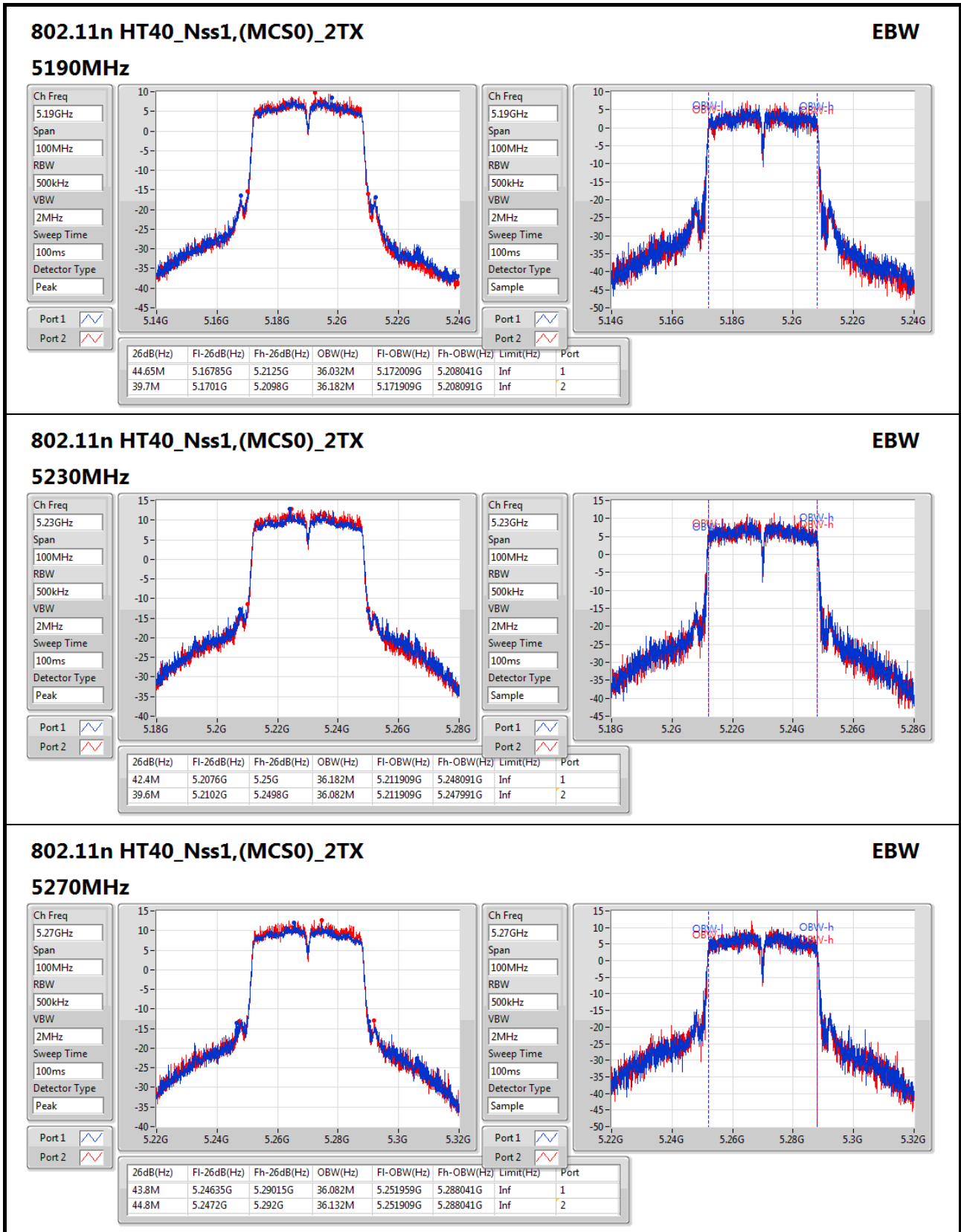
Port X-OBW = Port X 99% occupied bandwidth;

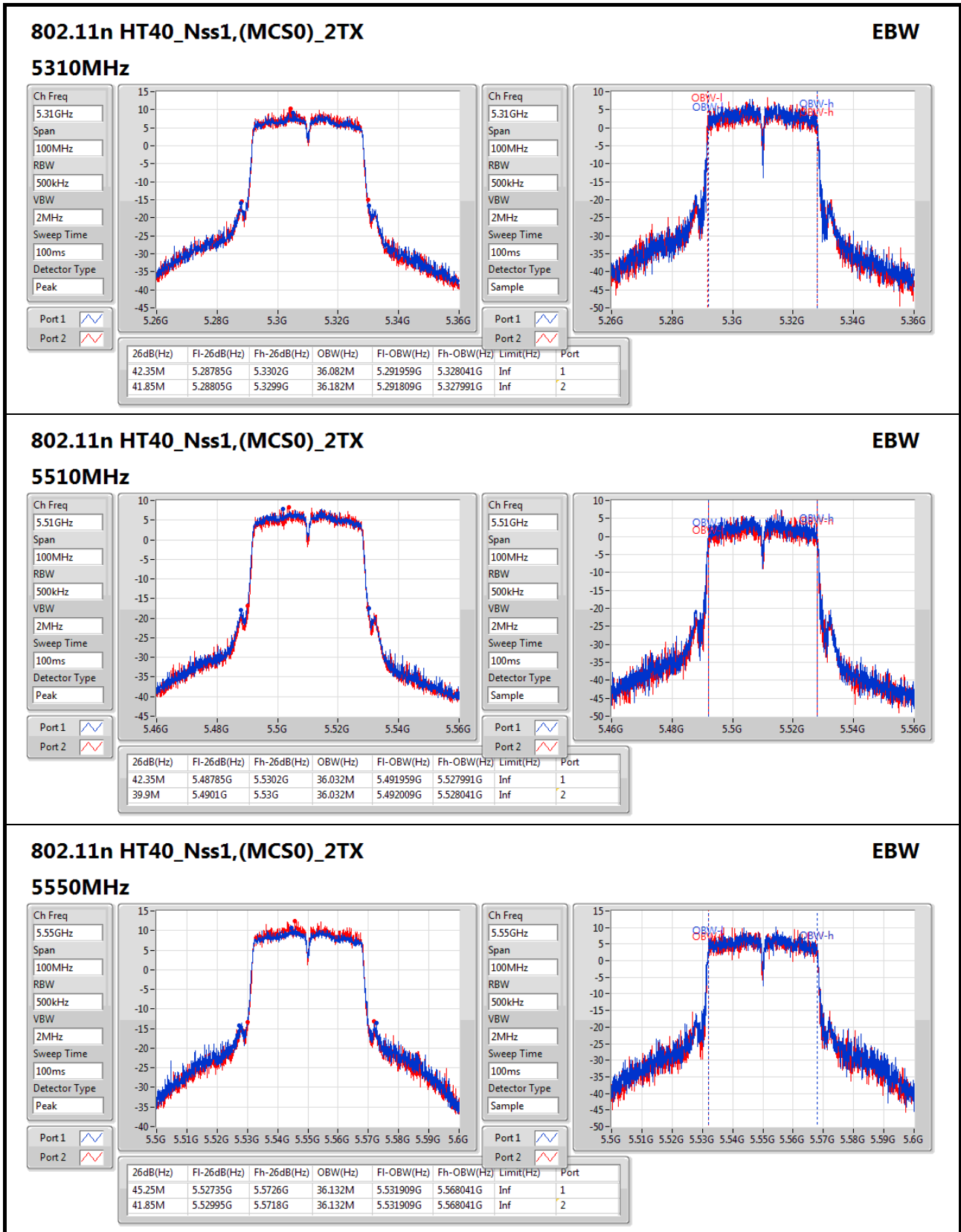


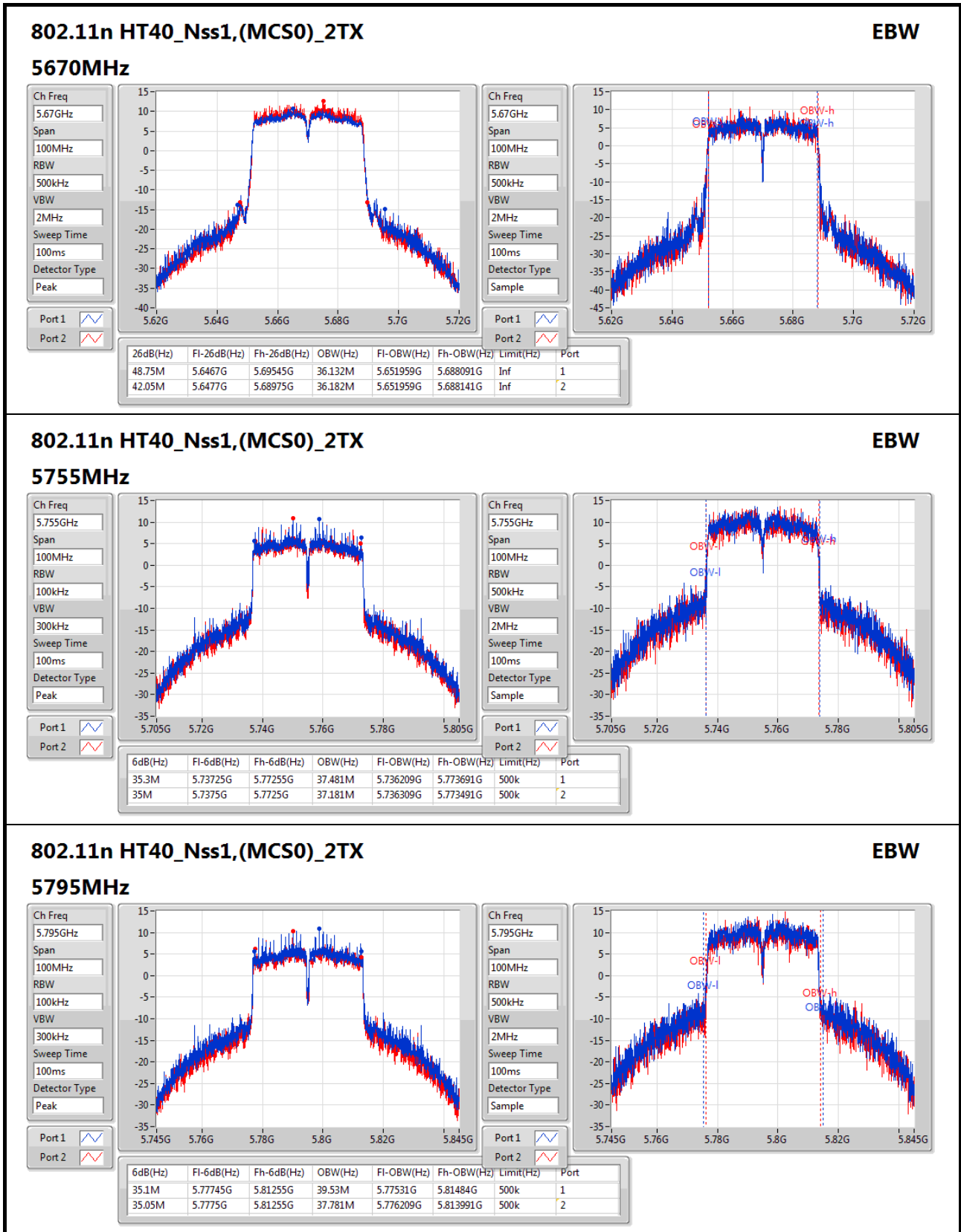














Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	22.83	0.19187
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	23.31	0.21429
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	23.51	0.22439
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	23.03	0.20091



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	3.70	21.11	21.11	23.98
5200MHz	Pass	3.70	22.38	22.38	23.98
5240MHz	Pass	3.70	22.83	22.83	23.98
5260MHz	Pass	3.30	23.31	23.31	23.98
5300MHz	Pass	3.30	20.91	20.91	23.98
5320MHz	Pass	3.30	21.10	21.10	23.98
5500MHz	Pass	4.00	20.33	20.33	23.98
5580MHz	Pass	4.20	23.51	23.51	23.98
5700MHz	Pass	3.70	20.26	20.26	23.98
5745MHz	Pass	3.70	22.95	22.95	30.00
5785MHz	Pass	3.60	22.81	22.81	30.00
5825MHz	Pass	3.80	23.03	23.03	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11n HT20_Nss1,(MCS0)_2TX	23.93	0.24717
802.11n HT40_Nss1,(MCS0)_2TX	23.94	0.24774
5.25-5.35GHz	-	-
802.11n HT20_Nss1,(MCS0)_2TX	23.32	0.21478
802.11n HT40_Nss1,(MCS0)_2TX	23.38	0.21777
5.47-5.725GHz	-	-
802.11n HT20_Nss1,(MCS0)_2TX	23.20	0.20893
802.11n HT40_Nss1,(MCS0)_2TX	23.10	0.20417
5.725-5.85GHz	-	-
802.11n HT20_Nss1,(MCS0)_2TX	26.82	0.48084
802.11n HT40_Nss1,(MCS0)_2TX	26.54	0.45082



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.80	20.98	20.86	23.93	23.98
5200MHz	Pass	3.80	20.91	20.90	23.92	23.98
5240MHz	Pass	3.80	20.85	20.73	23.80	23.98
5260MHz	Pass	3.60	20.27	20.34	23.32	23.98
5300MHz	Pass	3.60	20.28	20.11	23.21	23.98
5320MHz	Pass	3.60	20.36	20.02	23.20	23.98
5500MHz	Pass	4.00	19.85	20.01	22.94	23.98
5580MHz	Pass	4.20	19.84	19.62	22.74	23.98
5700MHz	Pass	3.70	19.91	20.45	23.20	23.98
5745MHz	Pass	3.70	23.73	23.72	26.74	30.00
5785MHz	Pass	3.90	23.55	23.57	26.57	30.00
5825MHz	Pass	4.10	23.90	23.71	26.82	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	3.80	16.98	16.28	19.65	23.98
5230MHz	Pass	3.80	21.13	20.71	23.94	23.98
5270MHz	Pass	3.60	20.58	20.14	23.38	23.98
5310MHz	Pass	3.60	17.63	16.99	20.33	23.98
5510MHz	Pass	4.00	16.47	15.42	18.99	23.98
5550MHz	Pass	4.20	19.72	19.61	22.68	23.98
5670MHz	Pass	3.70	20.12	20.05	23.10	23.98
5755MHz	Pass	3.90	23.61	22.97	26.31	30.00
5795MHz	Pass	3.90	23.81	23.24	26.54	30.00

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



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	10.14
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_1TX	10.26
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_1TX	10.63
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_1TX	9.32

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

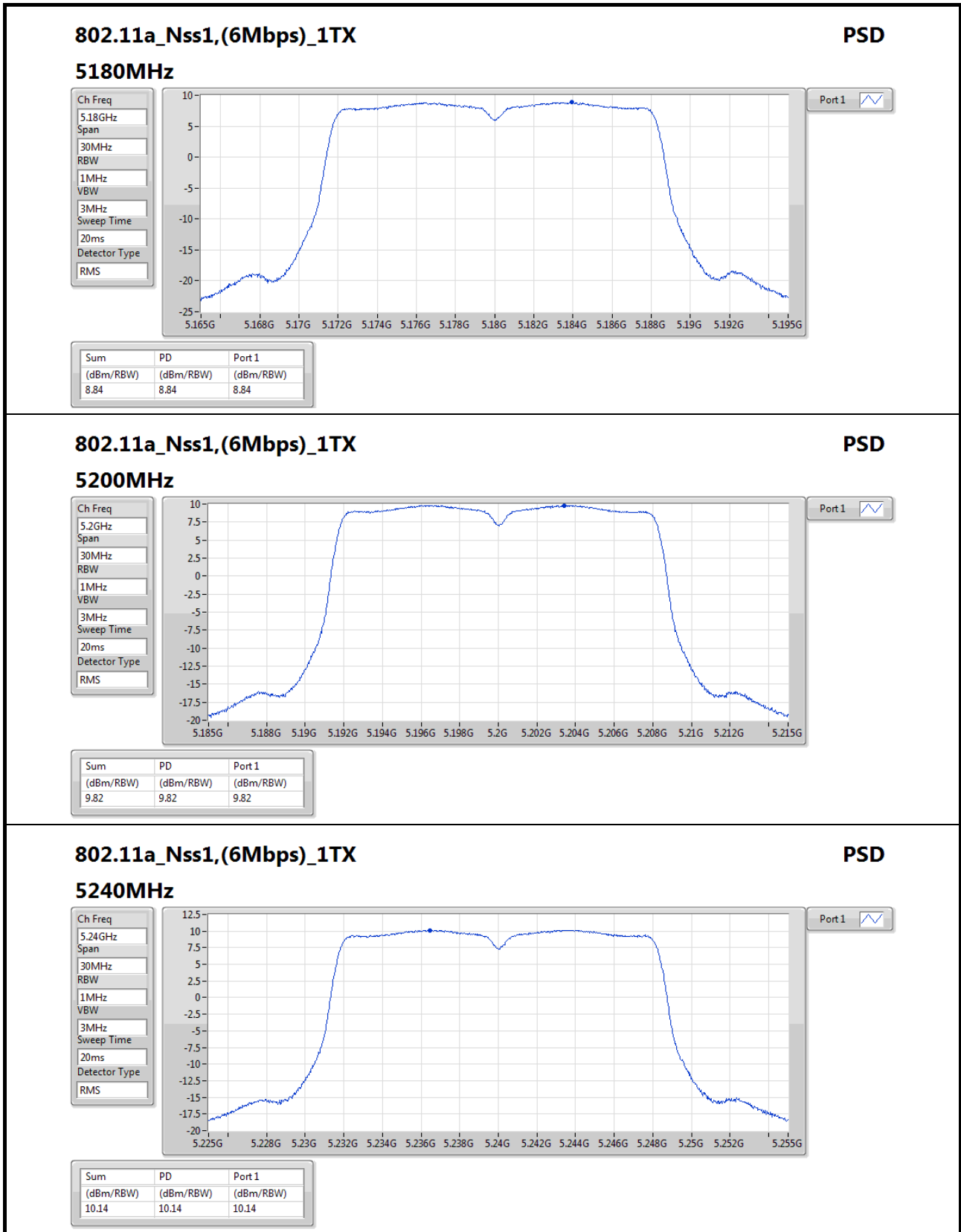


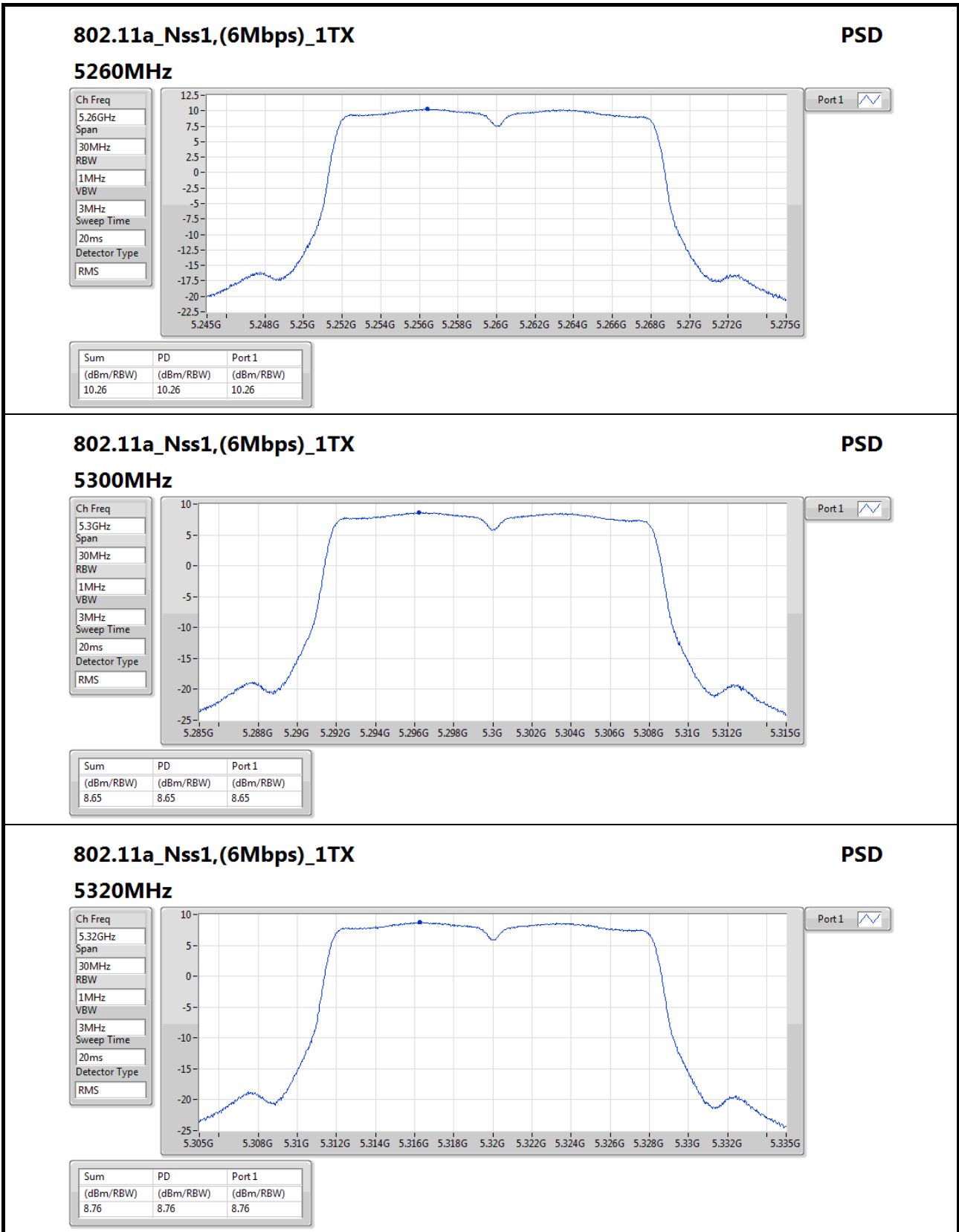
Result

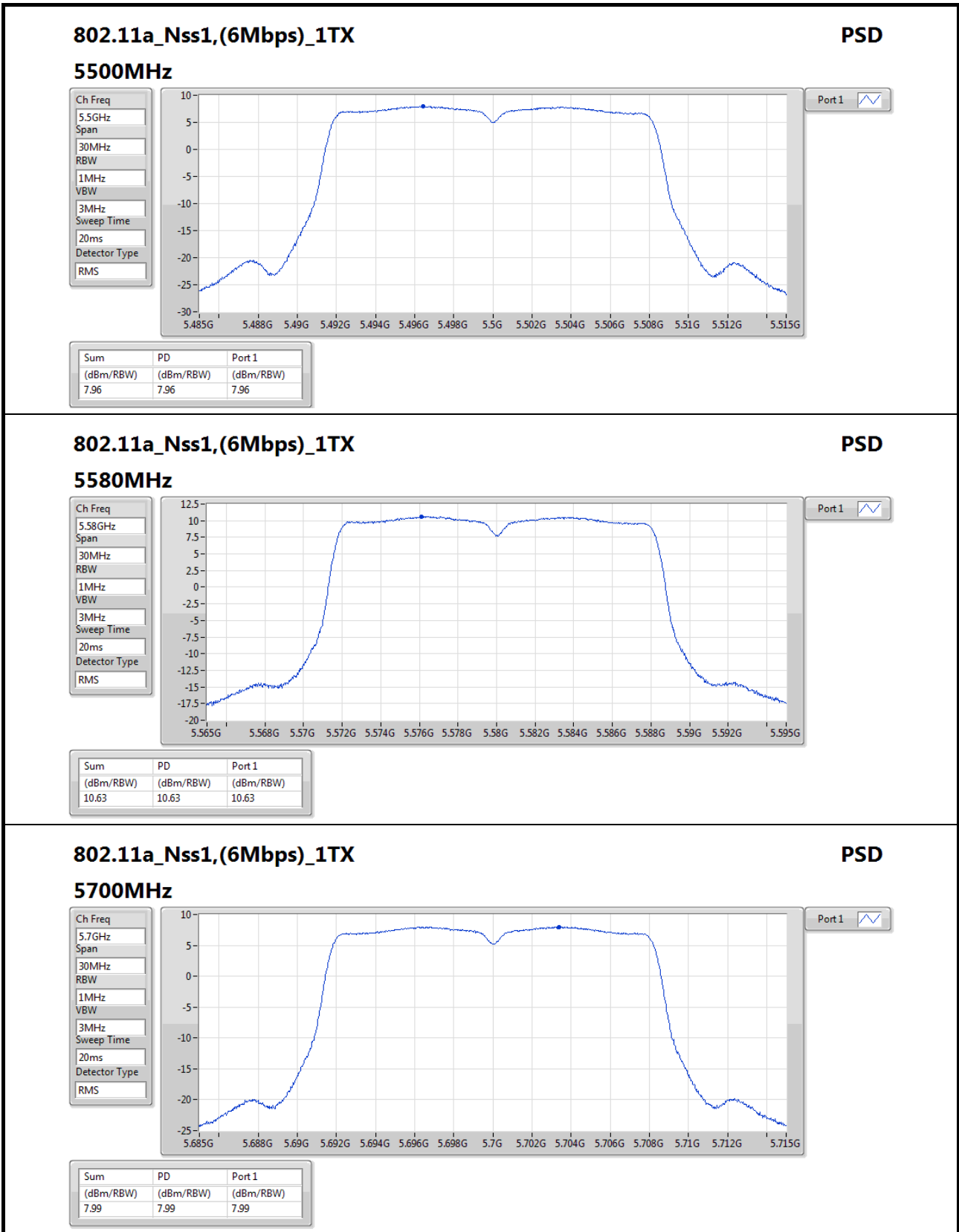
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	3.70	8.84	8.84	11.00
5200MHz	Pass	3.70	9.82	9.82	11.00
5240MHz	Pass	3.70	10.14	10.14	11.00
5260MHz	Pass	3.30	10.26	10.26	11.00
5300MHz	Pass	3.30	8.65	8.65	11.00
5320MHz	Pass	3.30	8.76	8.76	11.00
5500MHz	Pass	4.00	7.96	7.96	11.00
5580MHz	Pass	4.20	10.63	10.63	11.00
5700MHz	Pass	3.70	7.99	7.99	11.00
5745MHz	Pass	3.70	9.01	9.01	30.00
5785MHz	Pass	3.60	8.90	8.90	30.00
5825MHz	Pass	3.80	9.32	9.32	30.00

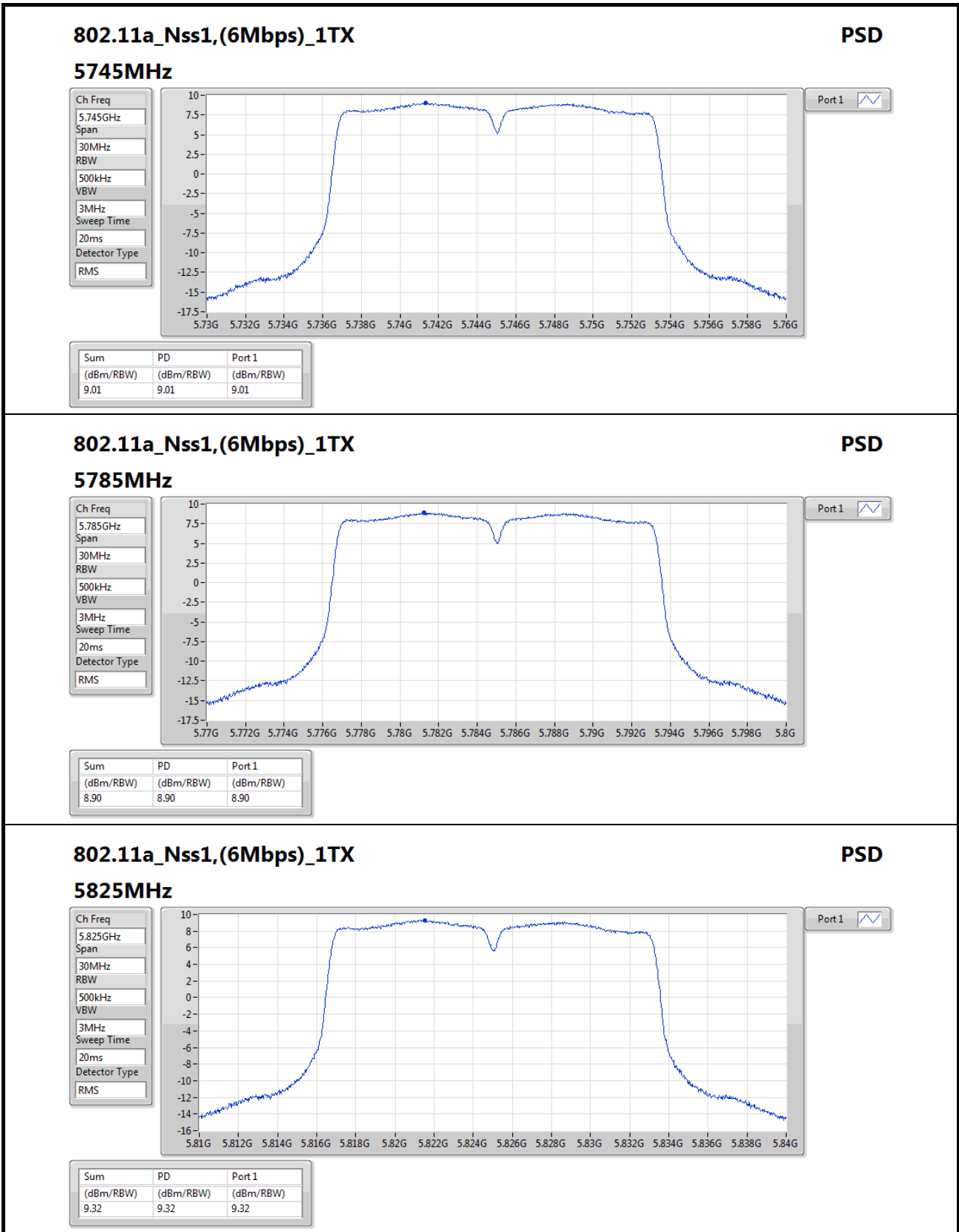
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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











Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11n HT20_Nss1,(MCS0)_2TX	10.99
802.11n HT40_Nss1,(MCS0)_2TX	8.34
5.25-5.35GHz	-
802.11n HT20_Nss1,(MCS0)_2TX	10.83
802.11n HT40_Nss1,(MCS0)_2TX	7.95
5.47-5.725GHz	-
802.11n HT20_Nss1,(MCS0)_2TX	10.20
802.11n HT40_Nss1,(MCS0)_2TX	7.67
5.725-5.85GHz	-
802.11n HT20_Nss1,(MCS0)_2TX	12.63
802.11n HT40_Nss1,(MCS0)_2TX	10.13

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

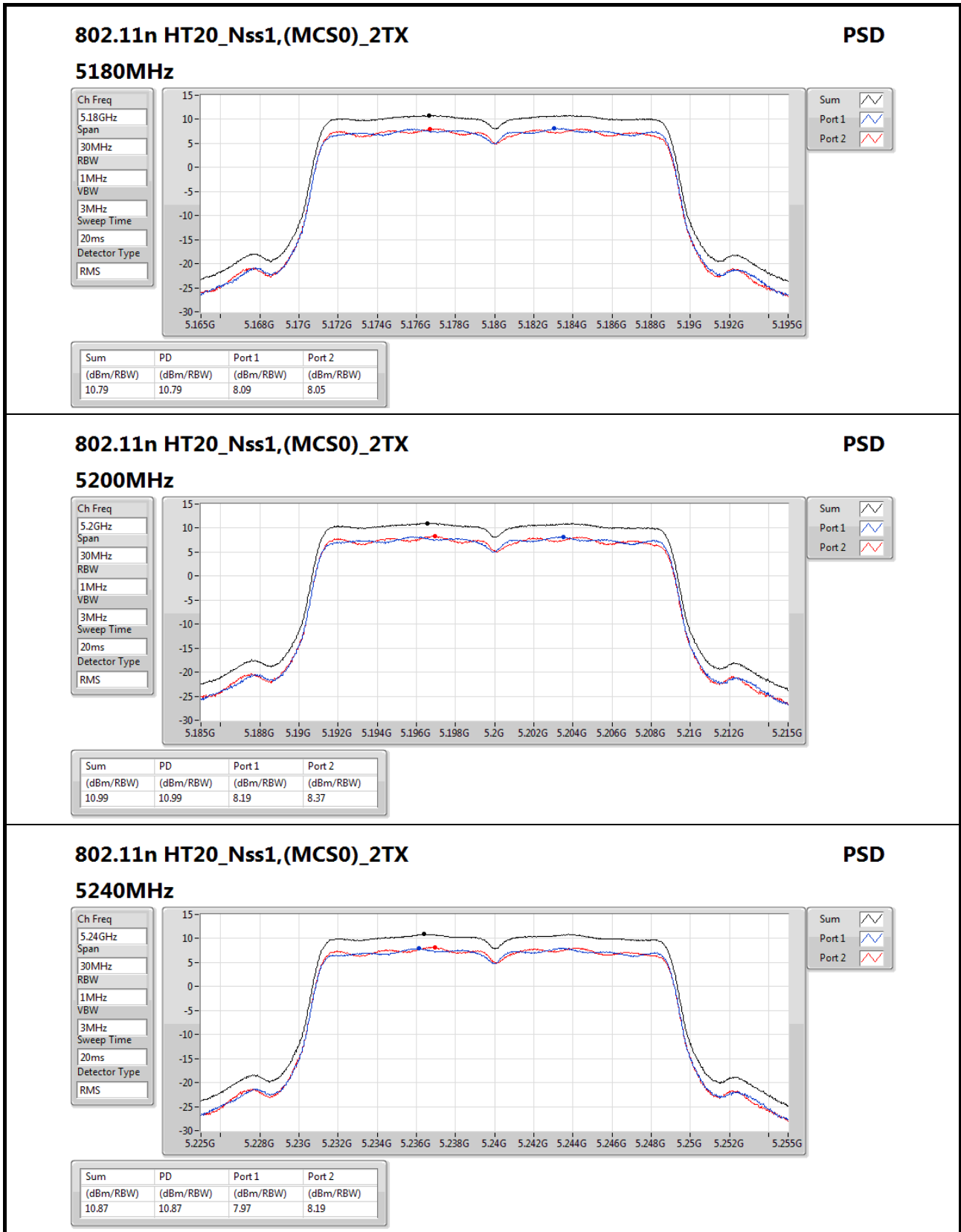


Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	5.50	8.09	8.05	10.79	11.00
5200MHz	Pass	5.50	8.19	8.37	10.99	11.00
5240MHz	Pass	5.50	7.97	8.19	10.87	11.00
5260MHz	Pass	5.40	7.55	7.81	10.53	11.00
5300MHz	Pass	5.40	7.84	7.94	10.83	11.00
5320MHz	Pass	5.40	7.86	7.93	10.83	11.00
5500MHz	Pass	5.60	6.89	7.54	10.18	11.00
5580MHz	Pass	5.60	6.41	6.87	9.52	11.00
5700MHz	Pass	5.60	6.68	7.75	10.20	11.00
5745MHz	Pass	5.50	9.40	9.63	12.42	30.00
5785MHz	Pass	5.50	9.32	9.48	12.36	30.00
5825MHz	Pass	5.50	9.58	9.75	12.63	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	5.50	1.90	1.59	4.54	11.00
5230MHz	Pass	5.50	5.67	5.64	8.34	11.00
5270MHz	Pass	5.40	5.27	4.97	7.95	11.00
5310MHz	Pass	5.40	2.64	2.17	5.35	11.00
5510MHz	Pass	5.60	1.41	0.57	3.95	11.00
5550MHz	Pass	5.60	4.58	4.60	7.50	11.00
5670MHz	Pass	5.60	4.69	4.93	7.67	11.00
5755MHz	Pass	5.50	7.28	7.01	10.13	30.00
5795MHz	Pass	5.50	7.21	7.04	10.07	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 X power density;


802.11n HT20_Nss1,(MCS0)_2TX
PSD

5240MHz

Ch Freq
5.24GHz

Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

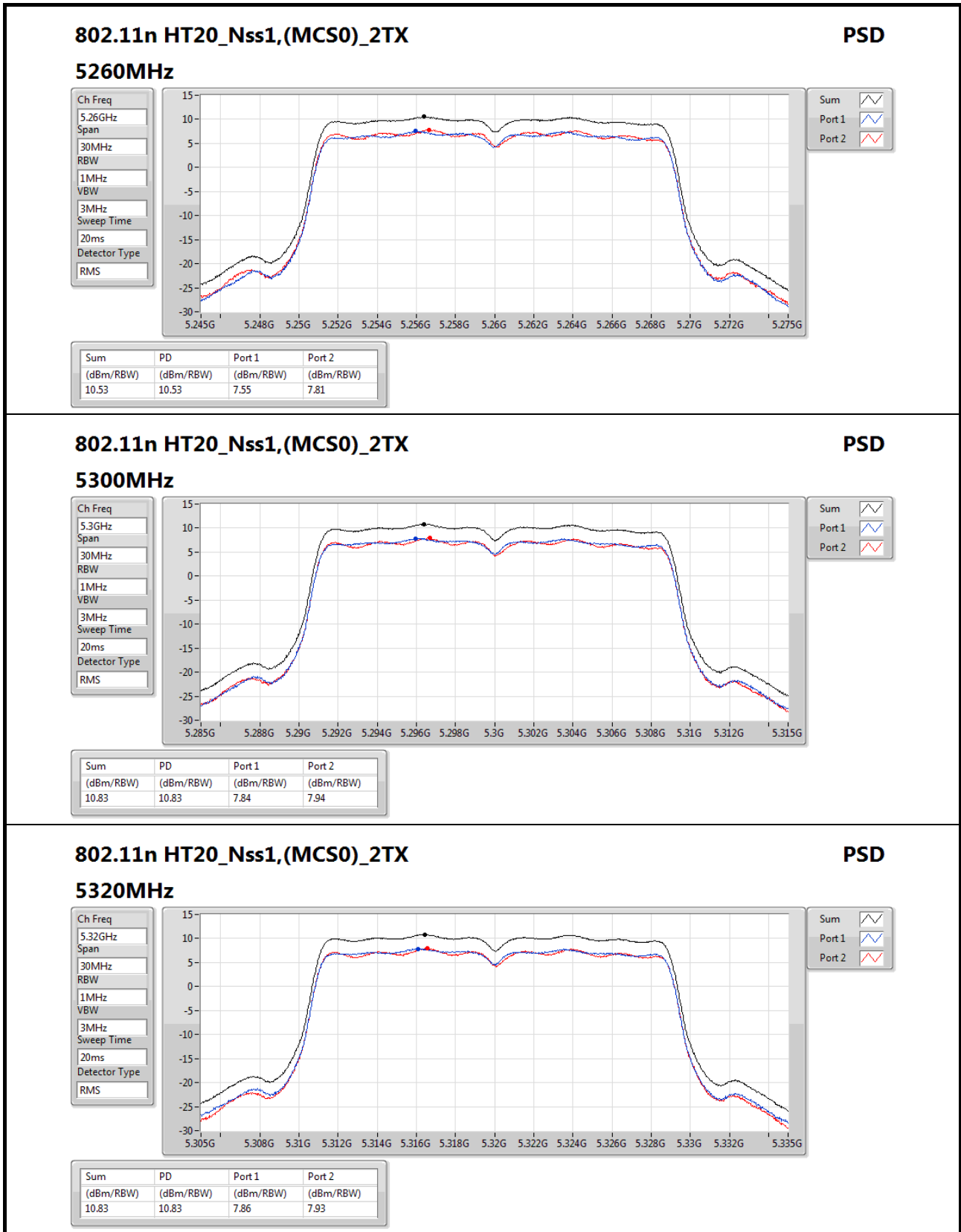


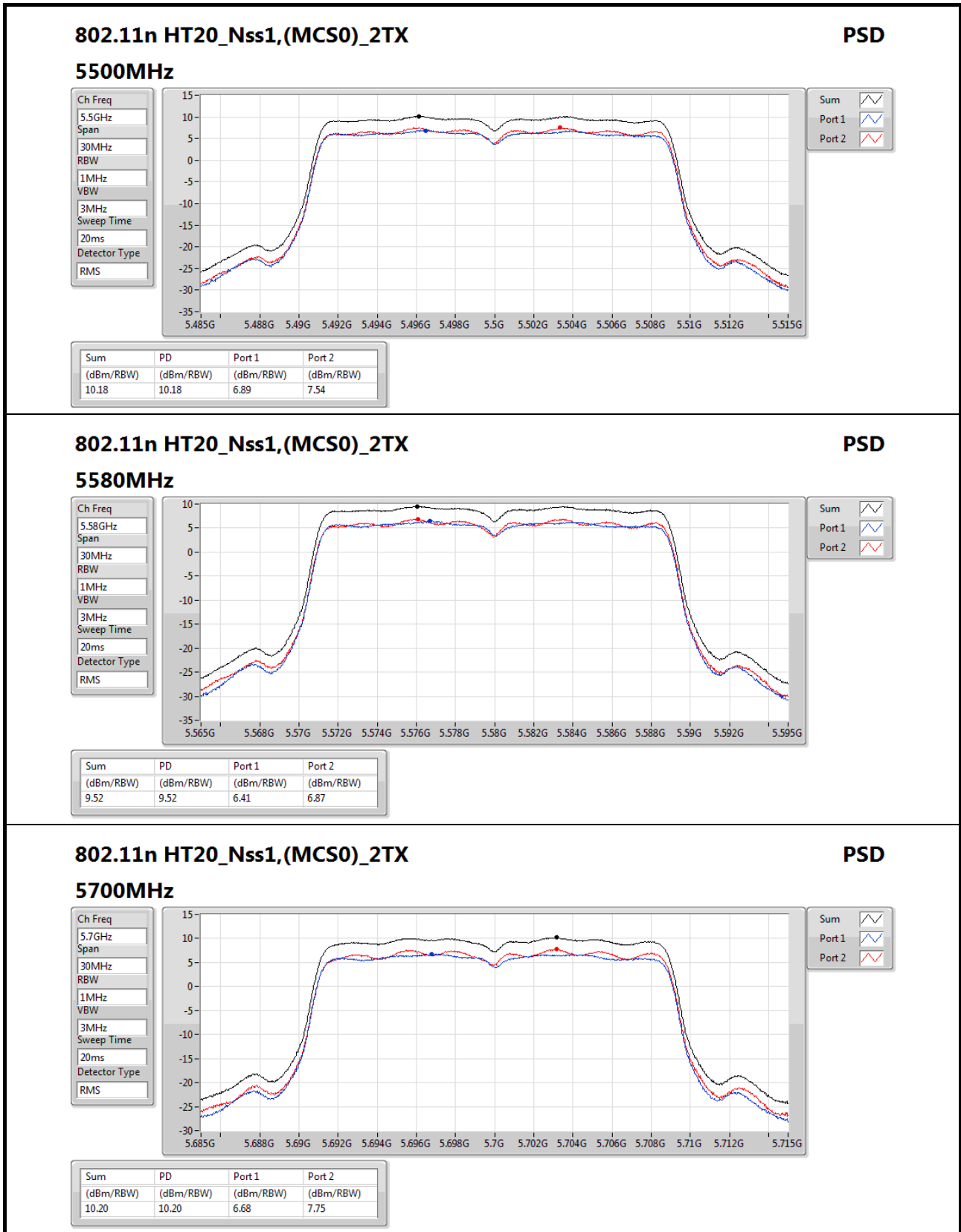
Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.87	10.87	7.97	8.19




802.11n HT20_Nss1,(MCS0)_2TX
PSD

5700MHz

Ch Freq: 5.7GHz

Span: 30MHz

RBW: 1MHz

VBW: 3MHz

Sweep Time: 20ms

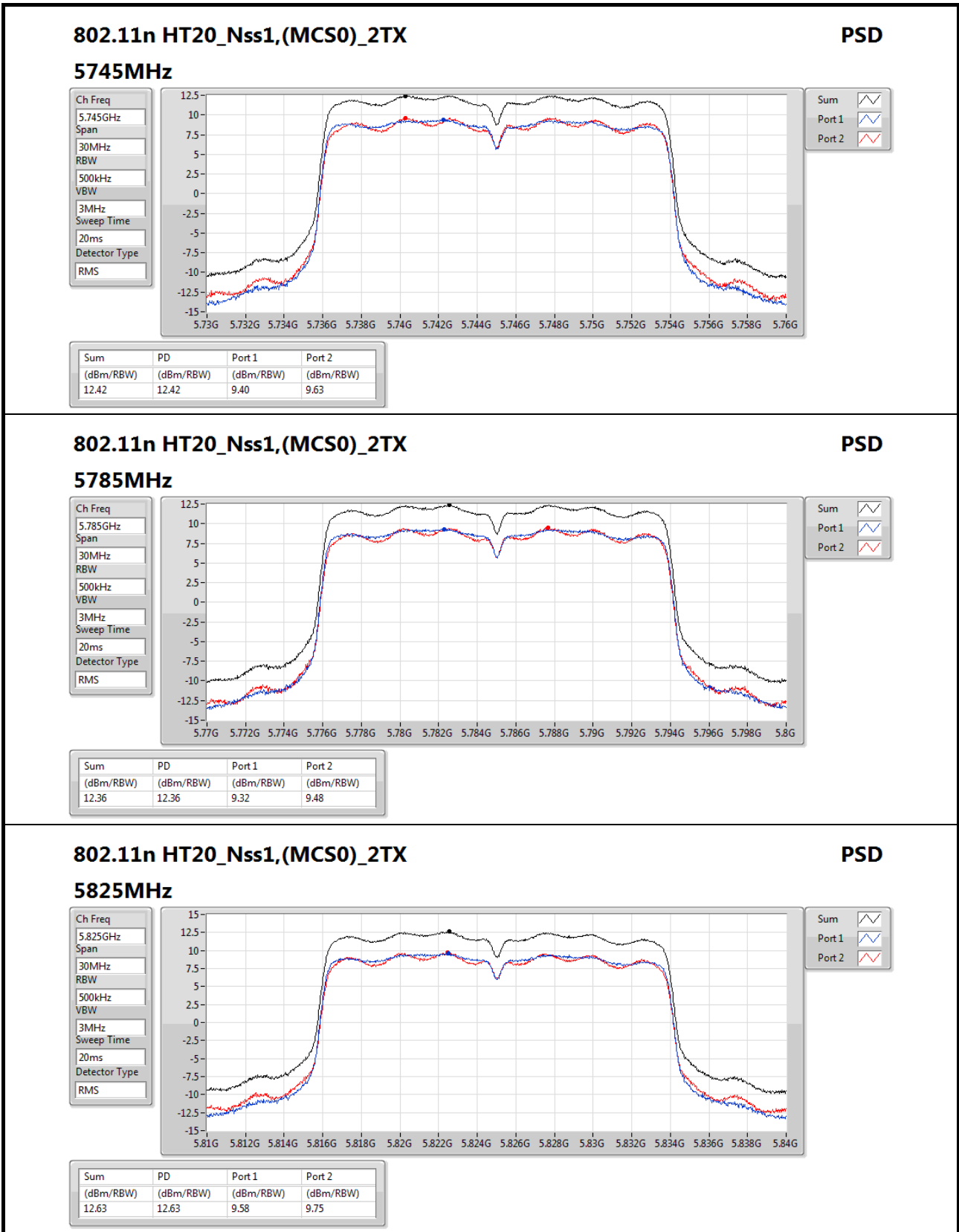
Detector Type: RMS

Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.20	10.20	6.68	7.75



802.11n HT20_Nss1,(MCS0)_2TX

5825MHz

PSD

Ch Freq
5.825GHz

Span
30MHz

RBW
500kHz

VBW
3MHz

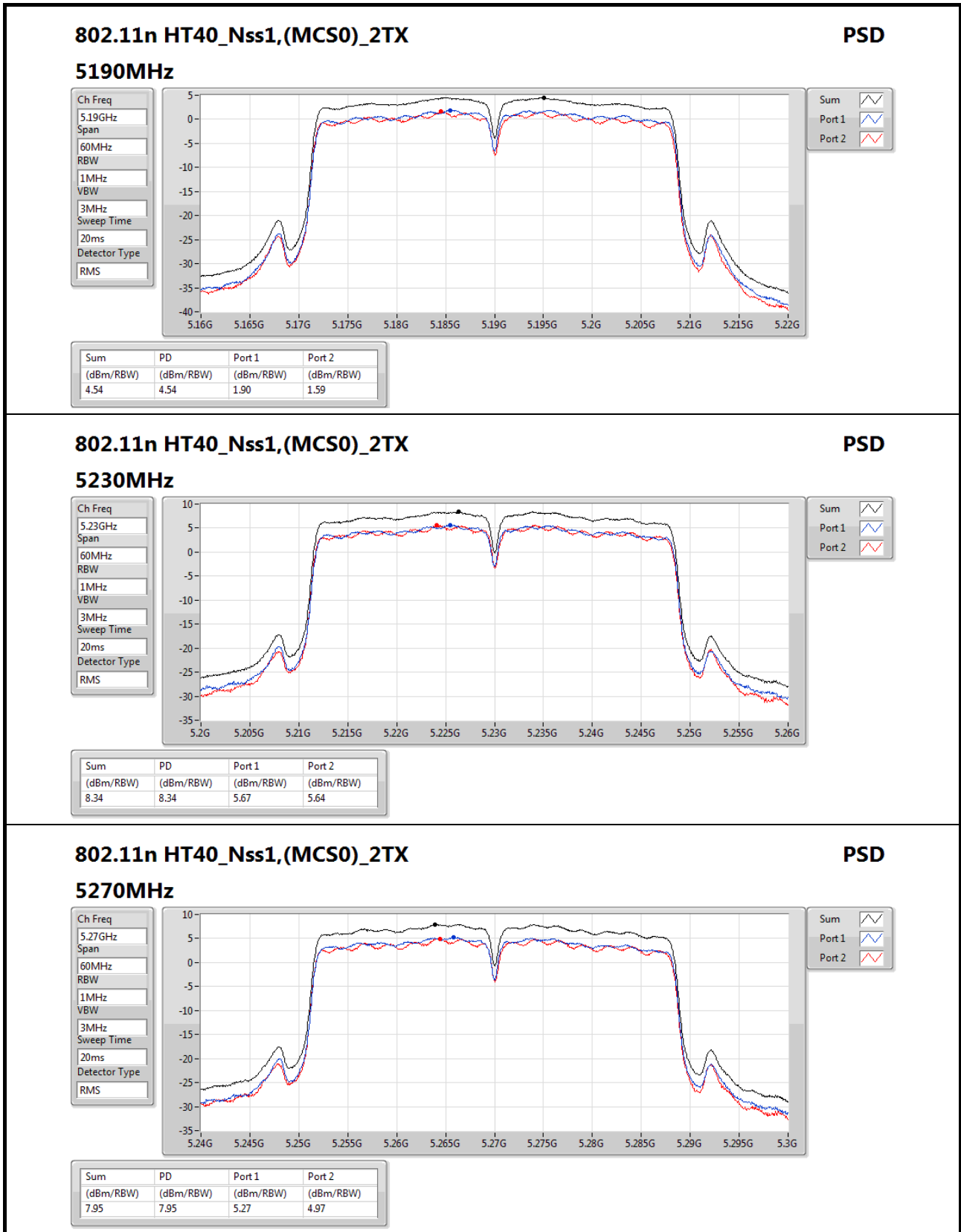
Sweep Time
20ms

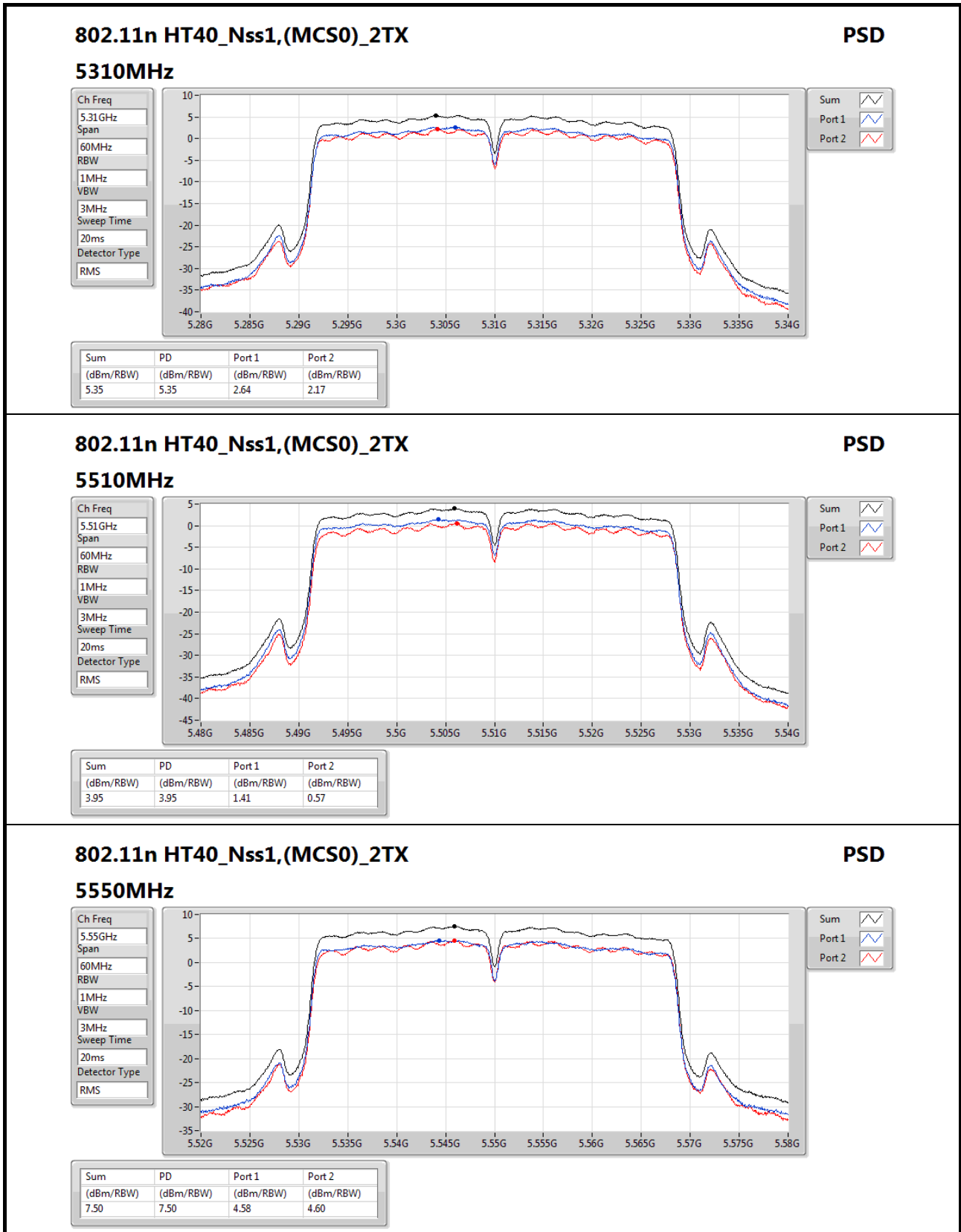
Detector Type
RMS

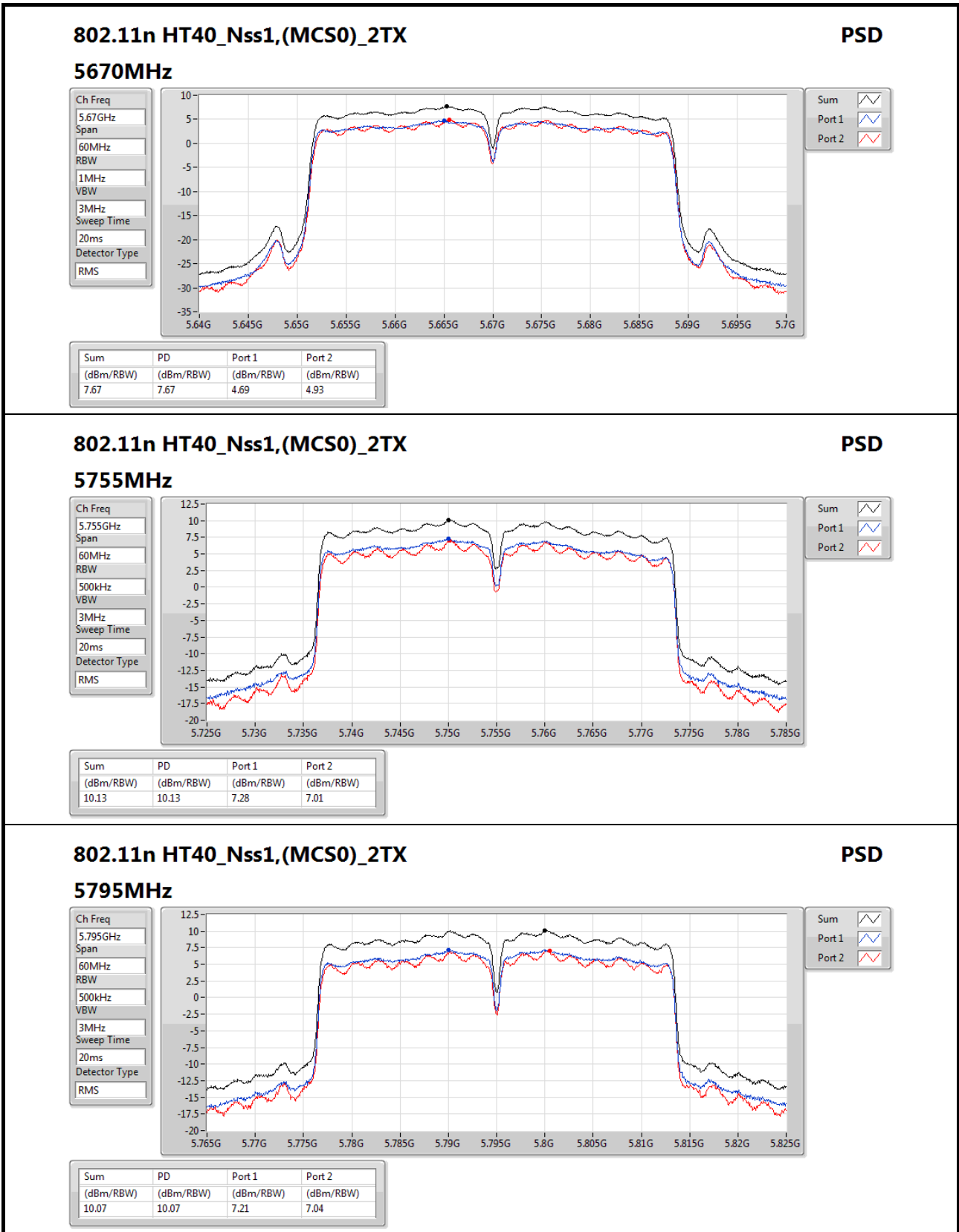
Sum

Port 1

Port 2







802.11n HT40_Nss1,(MCS0)_2TX

5795MHz

PSD

Ch Freq
5.795GHz

Span
60MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

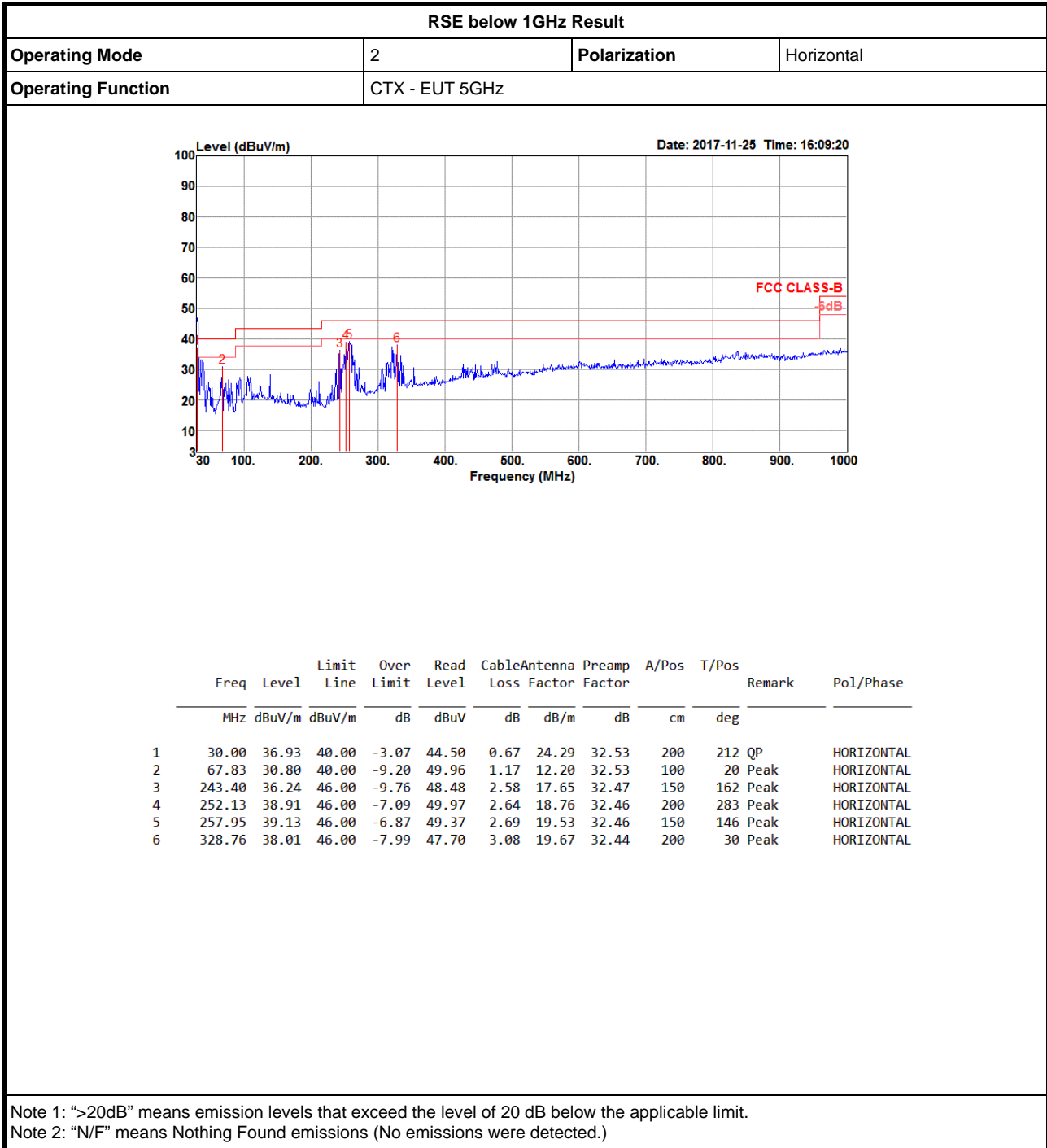
Sum

Port 1

Port 2

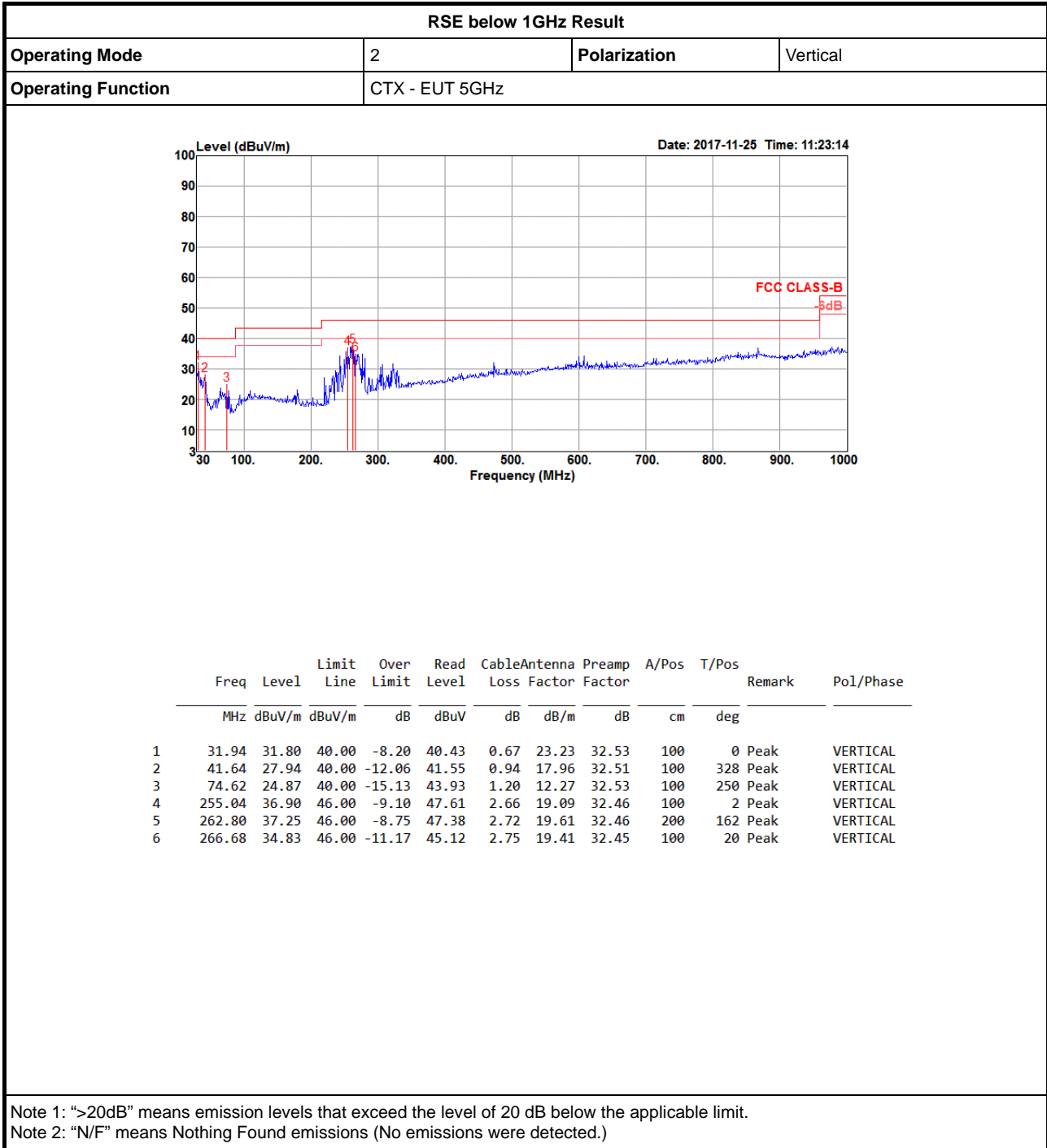


RSE below 1GHz Result





RSE below 1GHz Result



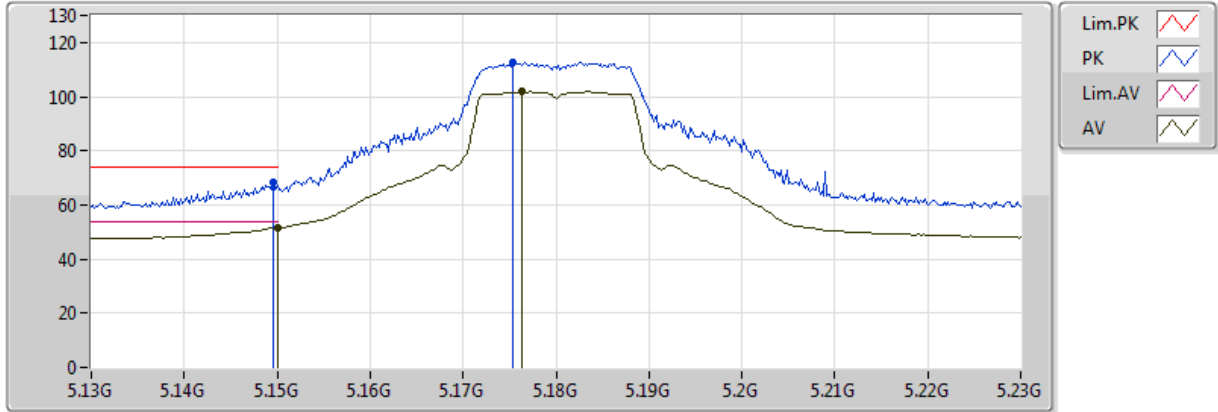


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	AV	5.350005G	53.99	54.00	-0.01	5.62	3	Horizontal	337	2.37	-

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX

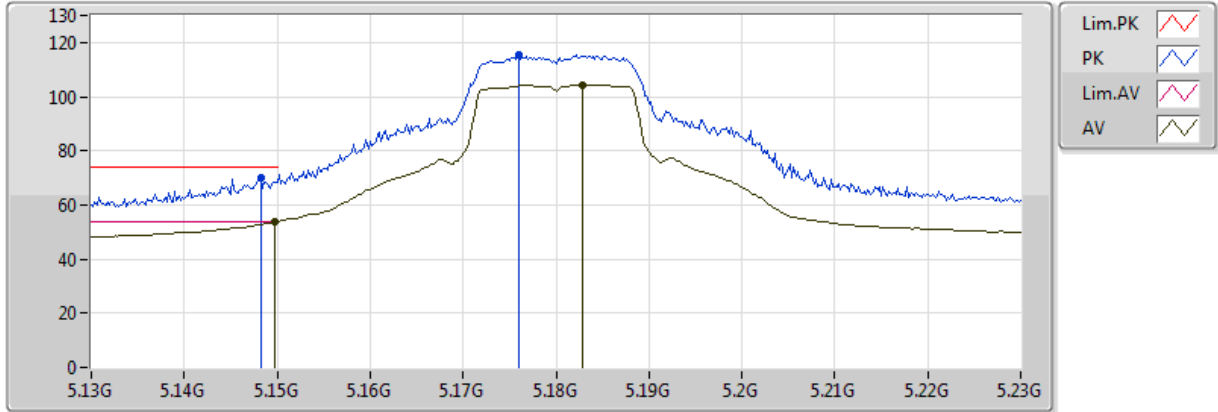


20171101
 EUT_Z_1TX_WiFi1
 Setting 87
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.149995G	51.49	54.00	-2.51	4.93	3	Vertical	251	1.01
AV	5.1764G	101.84	Inf	-Inf	4.96	3	Vertical	251	1.01
PK	5.1496G	68.45	74.00	-5.55	4.93	3	Vertical	251	1.01
PK	5.1754G	112.62	Inf	-Inf	4.96	3	Vertical	251	1.01

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX

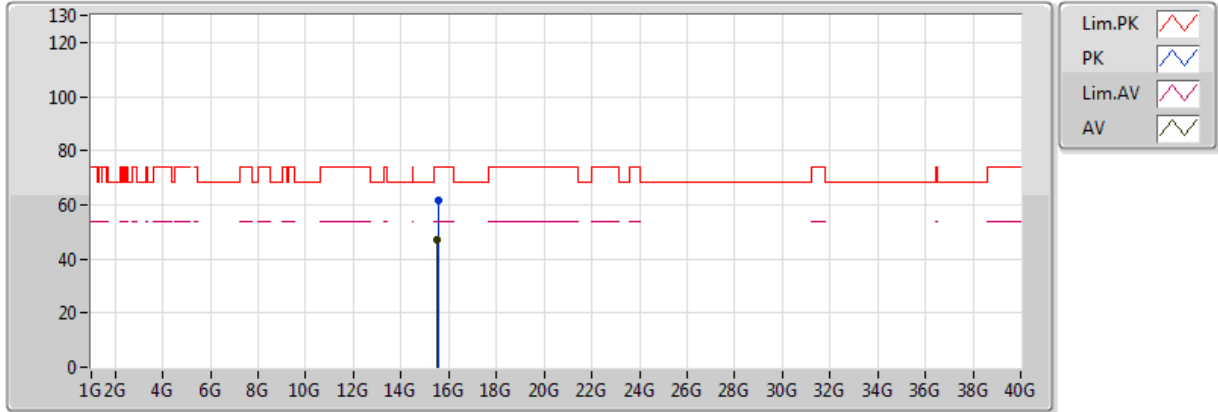


20171101
 EUT_Z_1TX_WiFi1
 Setting 87
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.1498G	53.66	54.00	-0.34	4.93	3	Horizontal	21	2.16
AV	5.1828G	104.49	Inf	-Inf	4.97	3	Horizontal	21	2.16
PK	5.1482G	69.79	74.00	-4.21	4.93	3	Horizontal	21	2.16
PK	5.176G	115.50	Inf	-Inf	4.96	3	Horizontal	21	2.16

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX

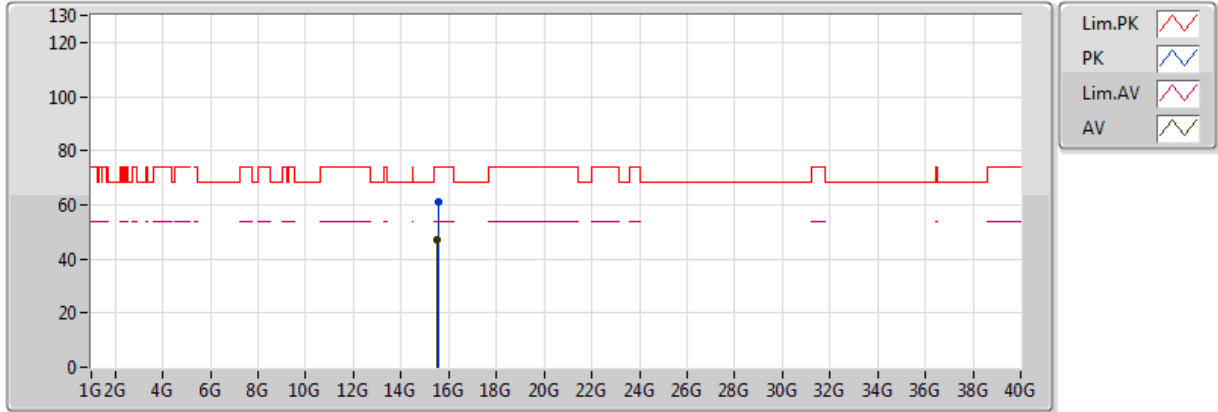


20171101
 EUT_Z_1TX_WiFi1
 Setting 87
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	15.53224G	47.13	54.00	-6.87	15.87	3	Vertical	163	2.36
PK	15.54316G	61.81	74.00	-12.19	15.86	3	Vertical	163	2.36

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX

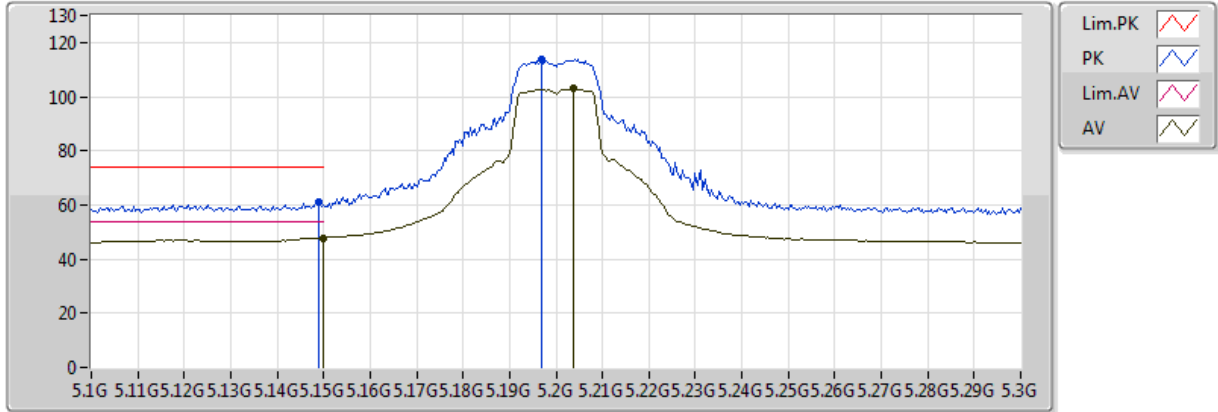


20171101
 EUT_Z_1TX_WiFi1
 Setting 87
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	15.53052G	47.07	54.00	-6.93	15.88	3	Horizontal	133	2.21
PK	15.54684G	61.23	74.00	-12.77	15.85	3	Horizontal	133	2.21

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TX

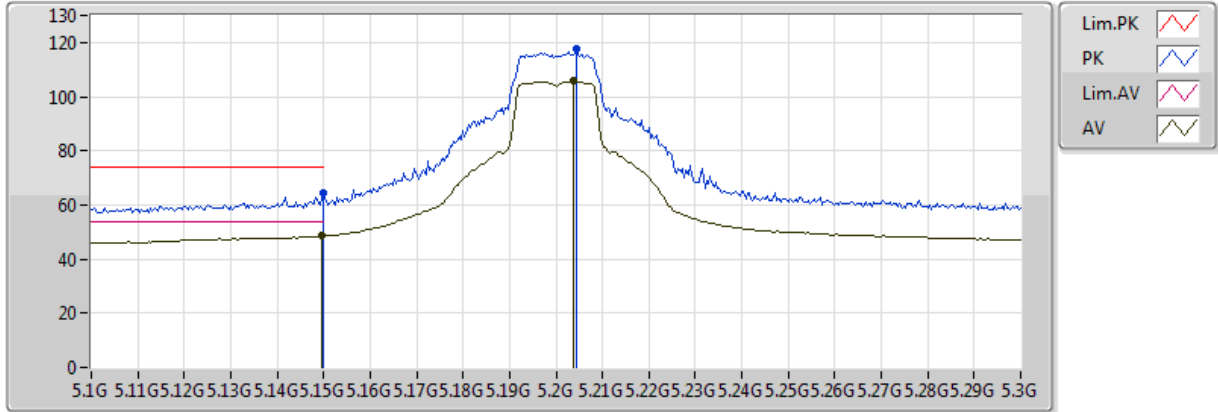


20171101
 EUT Z_1TX_WiFi 1
 Setting 91
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.149995G	47.90	54.00	-6.10	4.93	3	Vertical	264	1.14
AV	5.2036G	102.92	Inf	-Inf	5.01	3	Vertical	264	1.14
PK	5.1488G	61.30	74.00	-12.70	4.93	3	Vertical	264	1.14
PK	5.1968G	113.56	Inf	-Inf	4.99	3	Vertical	264	1.14

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TX

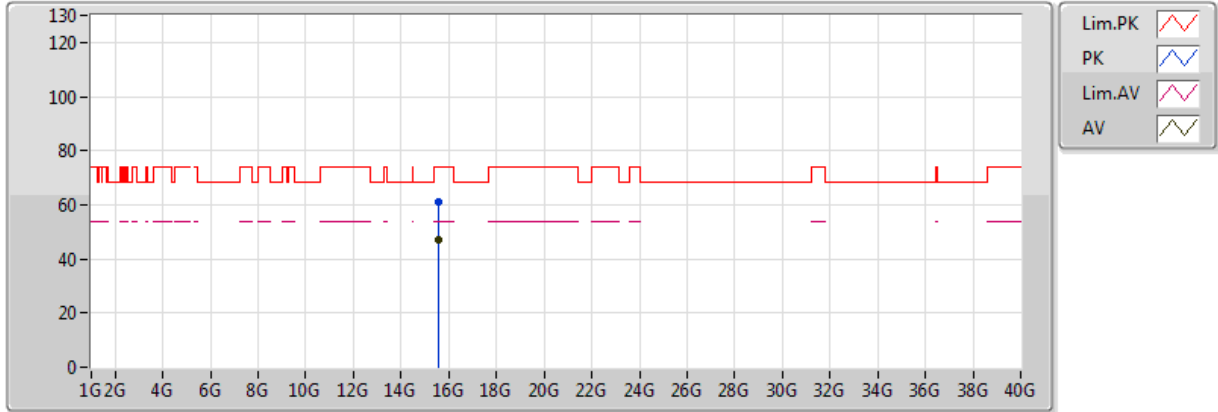


20171101
 EUT Z_1TX_WiFi 1
 Setting 91
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.1496G	48.62	54.00	-5.38	4.93	3	Horizontal	22	2.11
AV	5.2036G	105.66	Inf	-Inf	5.01	3	Horizontal	22	2.11
PK	5.149995G	64.30	74.00	-9.70	4.93	3	Horizontal	22	2.11
PK	5.2044G	117.55	Inf	-Inf	5.01	3	Horizontal	22	2.11

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TX

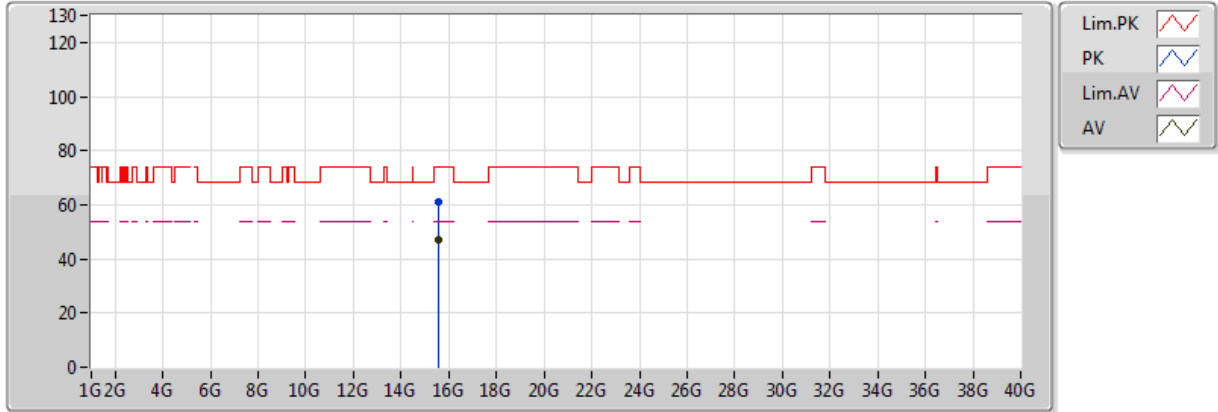


20171101
 EUT_Z_1TX_WiFi1
 Setting 91
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	15.59592G	47.34	54.00	-6.66	15.78	3	Vertical	54	1.49
PK	15.59176G	61.16	74.00	-12.84	15.79	3	Vertical	54	1.49

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TX

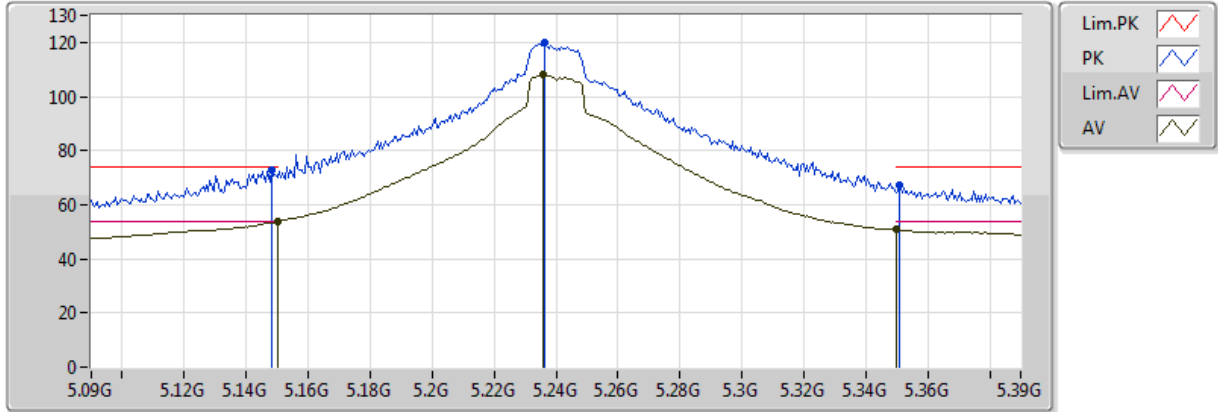


20171101
 EUT_Z_1TX_WiFi1
 Setting 91
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	15.59384G	47.33	54.00	-6.67	15.78	3	Horizontal	330	1.25
PK	15.58616G	61.11	74.00	-12.89	15.80	3	Horizontal	330	1.25

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TX

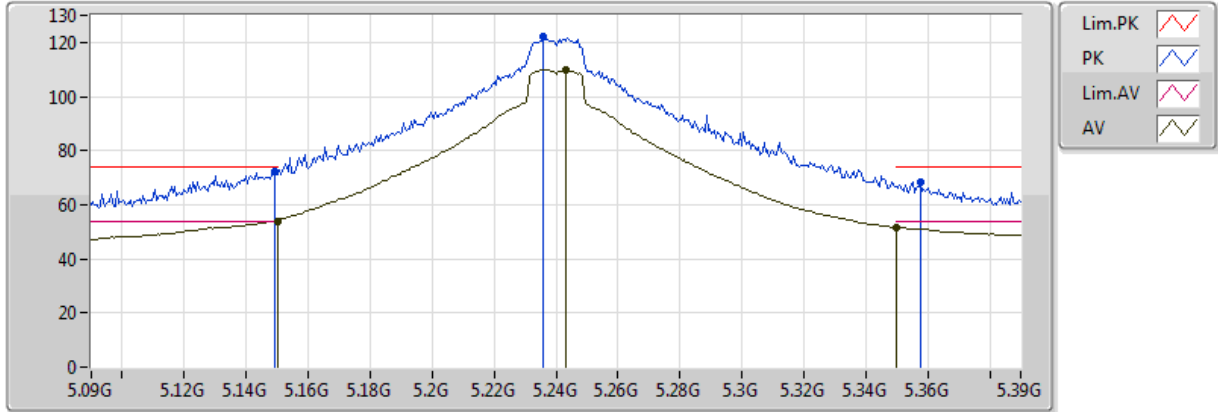


20171101
 EUT_Z_1TX_WiFi1
 Setting 92
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.149995G	53.90	54.00	-0.10	4.93	3	Vertical	268	1.39
AV	5.2358G	107.91	Inf	-Inf	5.15	3	Vertical	268	1.39
AV	5.350005G	50.82	54.00	-3.18	5.62	3	Vertical	268	1.39
PK	5.1482G	72.69	74.00	-1.31	4.93	3	Vertical	268	1.39
PK	5.2364G	119.85	Inf	-Inf	5.15	3	Vertical	268	1.39
PK	5.351G	67.06	74.00	-6.94	5.62	3	Vertical	268	1.39

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TX

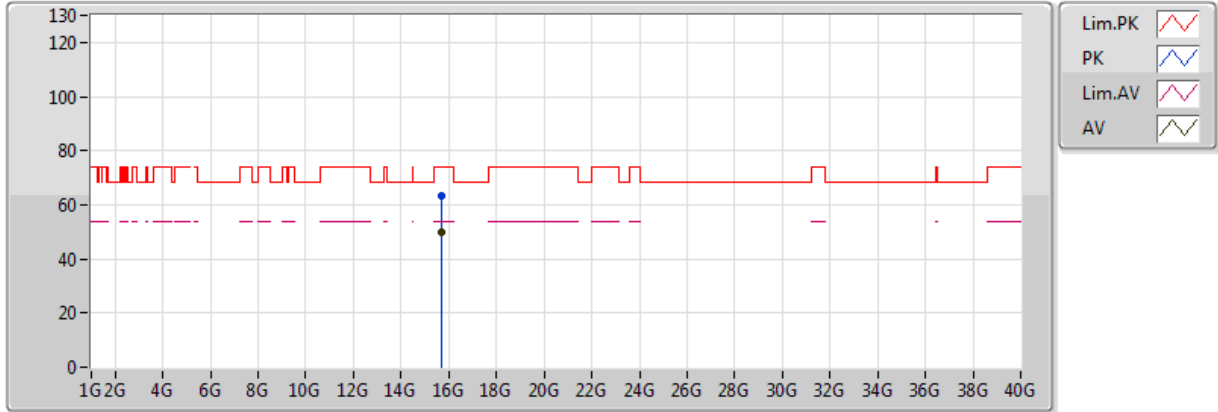


20171101
 EUT_Z_1TX_WiFi1
 Setting 92
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.149995G	53.91	54.00	-0.09	4.93	3	Horizontal	26	2.82
AV	5.243G	109.78	Inf	-Inf	5.18	3	Horizontal	26	2.82
AV	5.350005G	51.54	54.00	-2.46	5.62	3	Horizontal	26	2.82
PK	5.1494G	72.01	74.00	-1.99	4.93	3	Horizontal	26	2.82
PK	5.2358G	122.24	Inf	-Inf	5.15	3	Horizontal	26	2.82
PK	5.3576G	68.48	74.00	-5.52	5.65	3	Horizontal	26	2.82

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TX

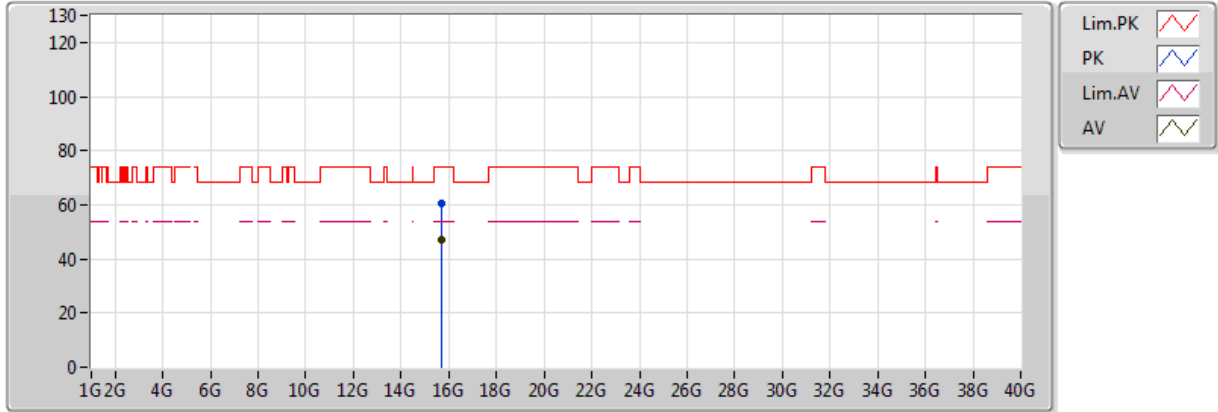


20171101
 EUT_Z_1TX_WiFi1
 Setting 92
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	15.7224G	49.79	54.00	-4.21	15.60	3	Vertical	338	1.21
PK	15.72432G	63.39	74.00	-10.61	15.60	3	Vertical	338	1.21

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TX

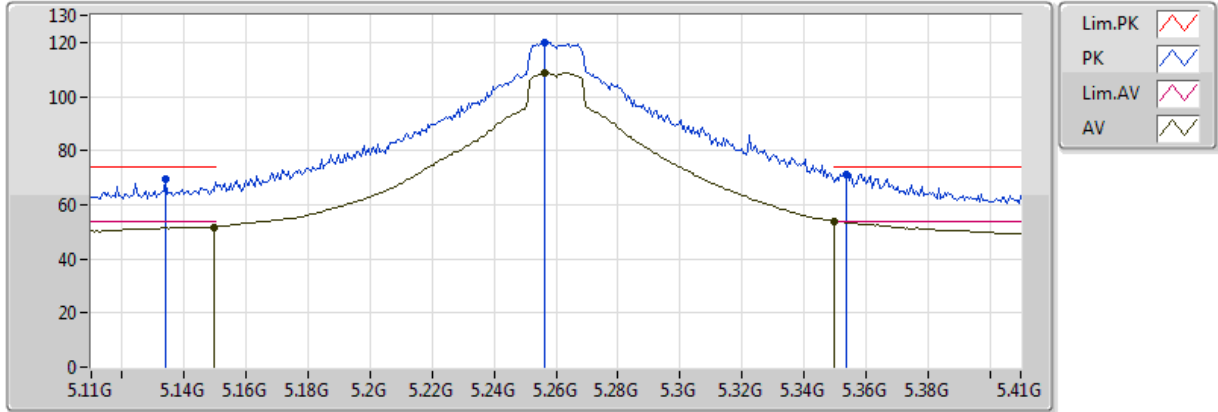


20171101
 EUT_Z_1TX_WiFi1
 Setting 92
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	15.72352G	47.02	54.00	-6.98	15.60	3	Horizontal	334	1.34
PK	15.71984G	60.76	74.00	-13.24	15.60	3	Horizontal	334	1.34

802.11a_Nss1,(6Mbps)_1TX

5260MHz_TX

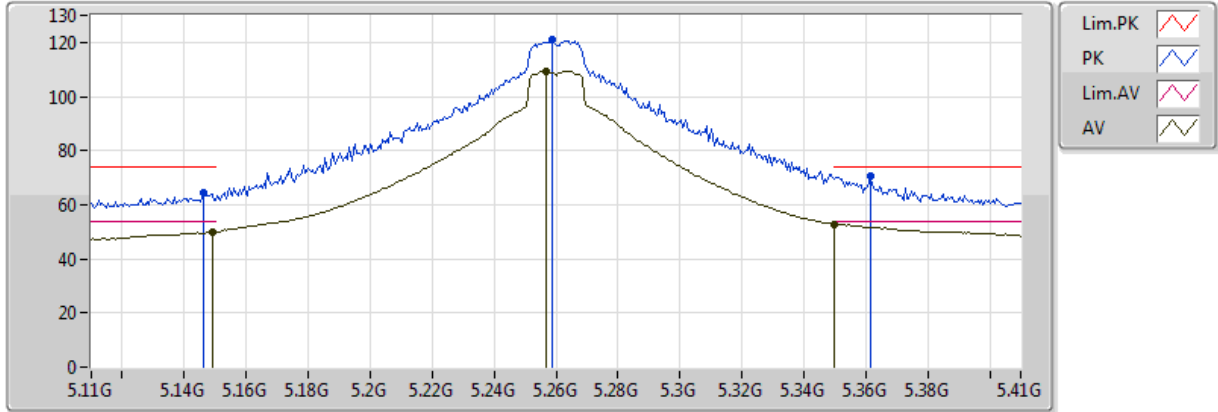


20171101
 EUT_Z_1TX_WiFi1
 Setting 99
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.1496G	51.83	54.00	-2.17	4.93	3	Vertical	254	1.01
AV	5.2564G	108.65	Inf	-Inf	5.24	3	Vertical	254	1.01
AV	5.350005G	53.88	54.00	-0.12	5.62	3	Vertical	254	1.01
PK	5.134G	69.51	74.00	-4.49	4.91	3	Vertical	254	1.01
PK	5.2564G	119.98	Inf	-Inf	5.24	3	Vertical	254	1.01
PK	5.3536G	71.33	74.00	-2.67	5.63	3	Vertical	254	1.01

802.11a_Nss1,(6Mbps)_1TX

5260MHz_TX

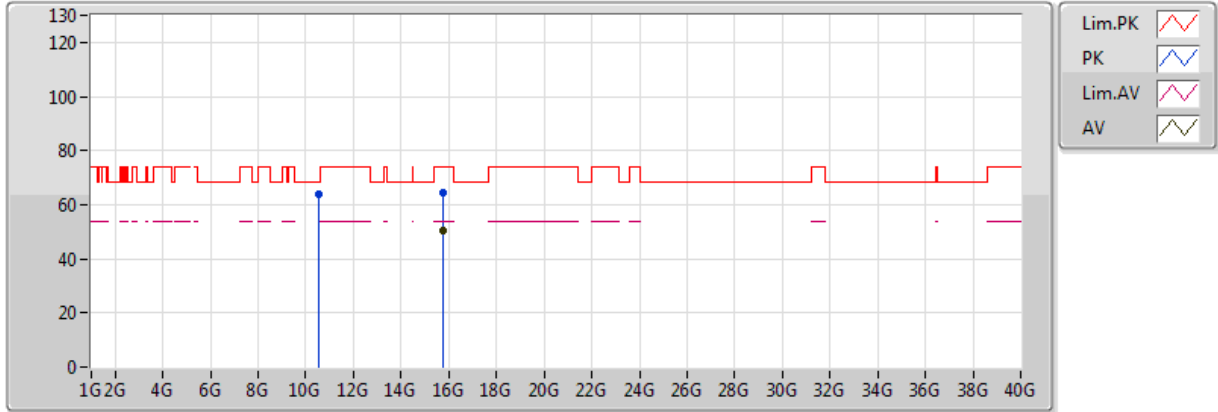


20171101
 EUT_Z_1TX_WiFi1
 Setting 99
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.149G	49.92	54.00	-4.08	4.93	3	Horizontal	27	2.84
AV	5.257G	109.29	Inf	-Inf	5.24	3	Horizontal	27	2.84
AV	5.350005G	52.76	54.00	-1.24	5.62	3	Horizontal	27	2.84
PK	5.146G	64.62	74.00	-9.38	4.93	3	Horizontal	27	2.84
PK	5.2588G	120.87	Inf	-Inf	5.25	3	Horizontal	27	2.84
PK	5.3614G	70.41	74.00	-3.59	5.66	3	Horizontal	27	2.84

802.11a_Nss1,(6Mbps)_1TX

5260MHz_TX

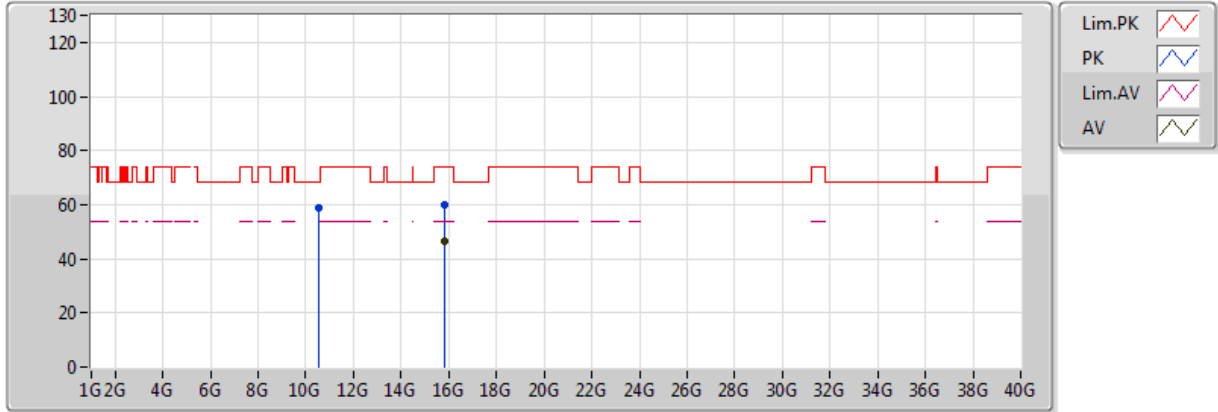


20171101
 EUT_Z_1TX_WiFi1
 Setting 99
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	15.781G	50.30	54.00	-3.70	15.52	3	Vertical	340	1.21
PK	10.5168G	63.61	68.20	-4.59	12.74	3	Vertical	22	1.22
PK	15.7718G	64.61	74.00	-9.39	15.53	3	Vertical	340	1.21

802.11a_Nss1,(6Mbps)_1TX

5260MHz_TX

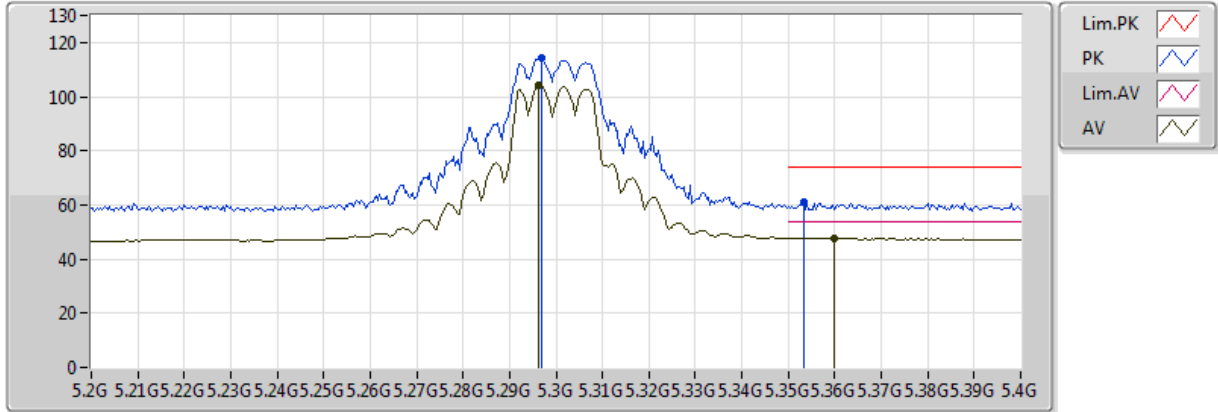


20171101
 EUT_Z_1TX_WiFi 1
 Setting 99
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	15.8041G	46.46	54.00	-7.54	15.48	3	Horizontal	72	1.42
PK	10.5237G	59.05	68.20	-9.15	12.75	3	Horizontal	16	1.73
PK	15.7952G	60.03	74.00	-13.97	15.49	3	Horizontal	72	1.42

802.11a_Nss1,(6Mbps)_1TX

5300MHz_TX

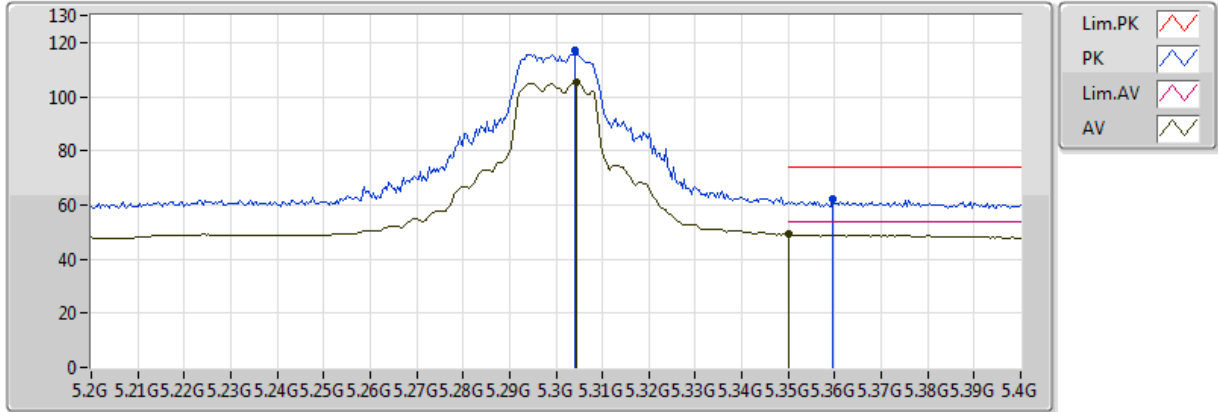


20171101
 EUT Z_1TX_WiFi 1
 Setting 85
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.2964G	104.18	Inf	-Inf	5.41	3	Vertical	219	2.24
AV	5.36G	47.74	54.00	-6.26	5.66	3	Vertical	219	2.24
PK	5.2968G	114.15	Inf	-Inf	5.42	3	Vertical	219	2.24
PK	5.3532G	61.02	74.00	-12.98	5.63	3	Vertical	219	2.24

802.11a_Nss1,(6Mbps)_1TX

5300MHz_TX

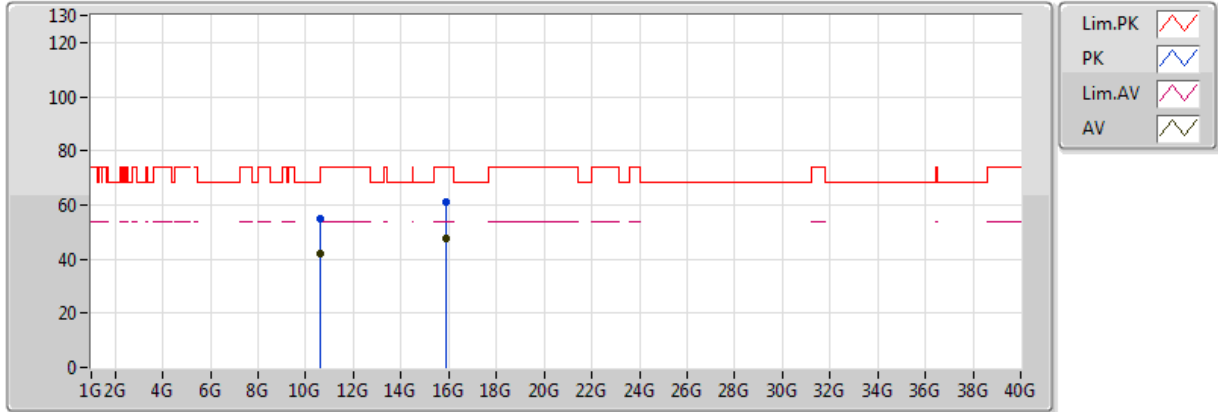


20171101
 EUT_Z_1TX_WiFi1
 Setting 85
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.3044G	105.37	Inf	-Inf	5.45	3	Horizontal	90	1.28
AV	5.350005G	49.06	54.00	-4.94	5.62	3	Horizontal	90	1.28
PK	5.304G	116.90	Inf	-Inf	5.45	3	Horizontal	90	1.28
PK	5.3596G	62.46	74.00	-11.54	5.66	3	Horizontal	90	1.28

802.11a_Nss1,(6Mbps)_1TX

5300MHz_TX

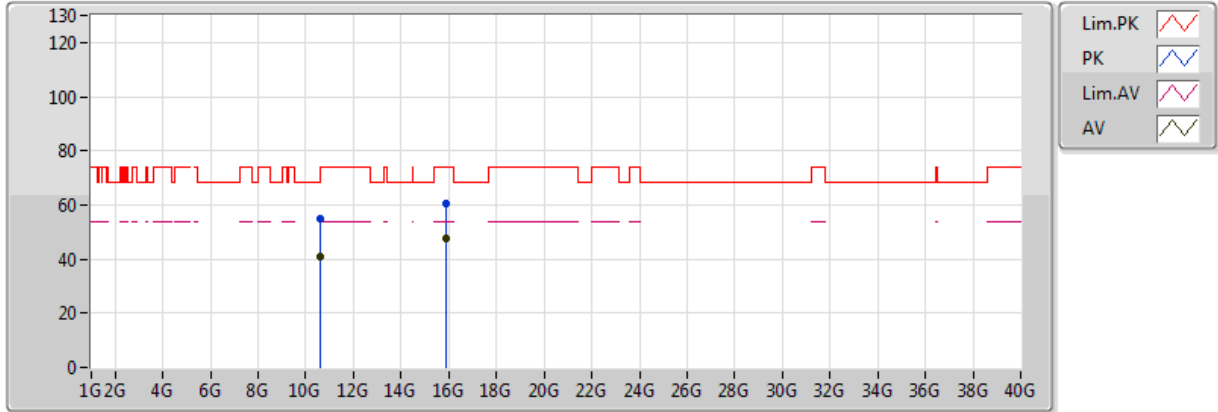


20171101
 EUT_Z_1TX_WiFi1
 Setting 85
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	10.60092G	41.94	54.00	-12.06	12.82	3	Vertical	228	1.66
AV	15.89188G	47.70	54.00	-6.30	15.36	3	Vertical	237	1.22
PK	10.60068G	55.05	74.00	-18.95	12.82	3	Vertical	228	1.66
PK	15.89548G	61.30	74.00	-12.70	15.35	3	Vertical	237	1.22

802.11a_Nss1,(6Mbps)_1TX

5300MHz_TX

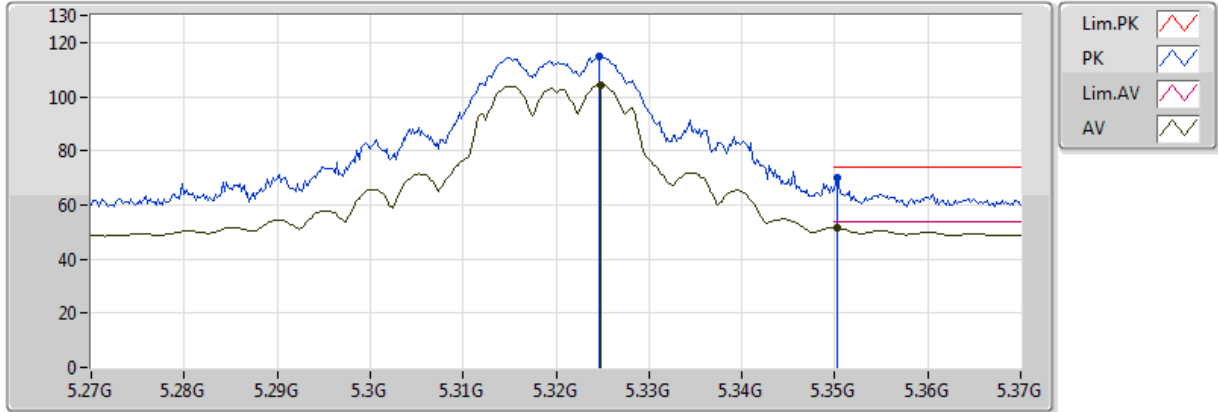


20171101
 EUT Z_1TX_WiFi 1
 Setting 85
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	10.60012G	40.99	54.00	-13.01	12.82	3	Horizontal	271	1.32
AV	15.89528G	47.64	54.00	-6.36	15.35	3	Horizontal	40	1.44
PK	10.60124G	55.09	74.00	-18.91	12.82	3	Horizontal	271	1.32
PK	15.89172G	60.76	74.00	-13.24	15.36	3	Horizontal	40	1.44

802.11a_Nss1,(6Mbps)_1TX

5320MHz_TX

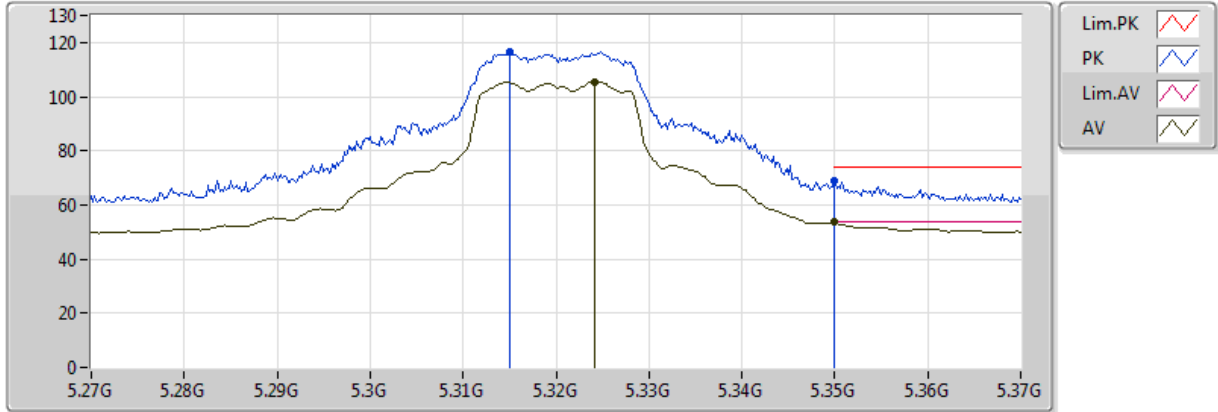


20171101
 EUT Z_1TX_WiFi 1
 Setting 85
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.3248G	104.33	Inf	-Inf	5.52	3	Vertical	225	2.22
AV	5.3502G	51.73	54.00	-2.27	5.62	3	Vertical	225	2.22
PK	5.3246G	115.14	Inf	-Inf	5.52	3	Vertical	225	2.22
PK	5.3502G	69.97	74.00	-4.03	5.62	3	Vertical	225	2.22

802.11a_Nss1,(6Mbps)_1TX

5320MHz_TX

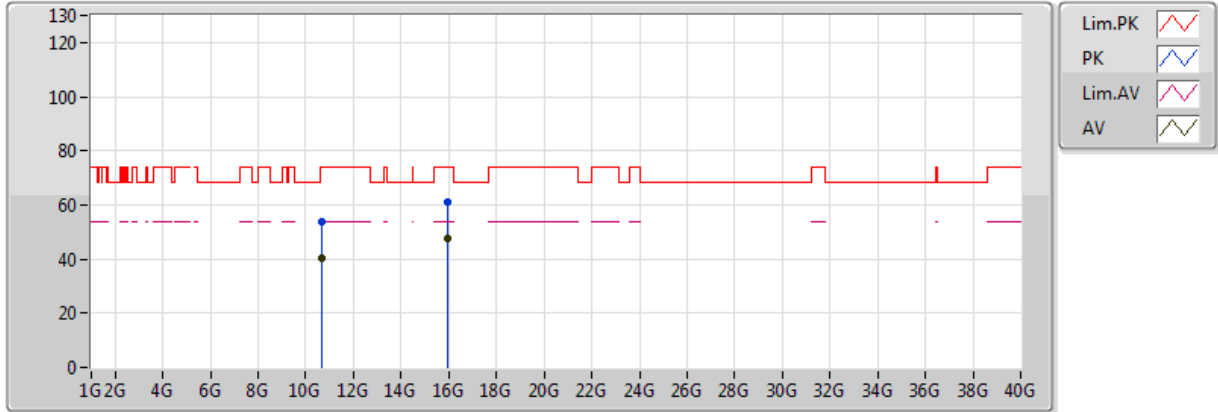


20171101
 EUT Z_1TX_WiFi 1
 Setting 85
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.3242G	105.46	Inf	-Inf	5.52	3	Horizontal	91	1.05
AV	5.350005G	53.63	54.00	-0.37	5.62	3	Horizontal	91	1.05
PK	5.315G	116.38	Inf	-Inf	5.49	3	Horizontal	91	1.05
PK	5.350005G	69.05	74.00	-4.95	5.62	3	Horizontal	91	1.05

802.11a_Nss1,(6Mbps)_1TX

5320MHz_TX

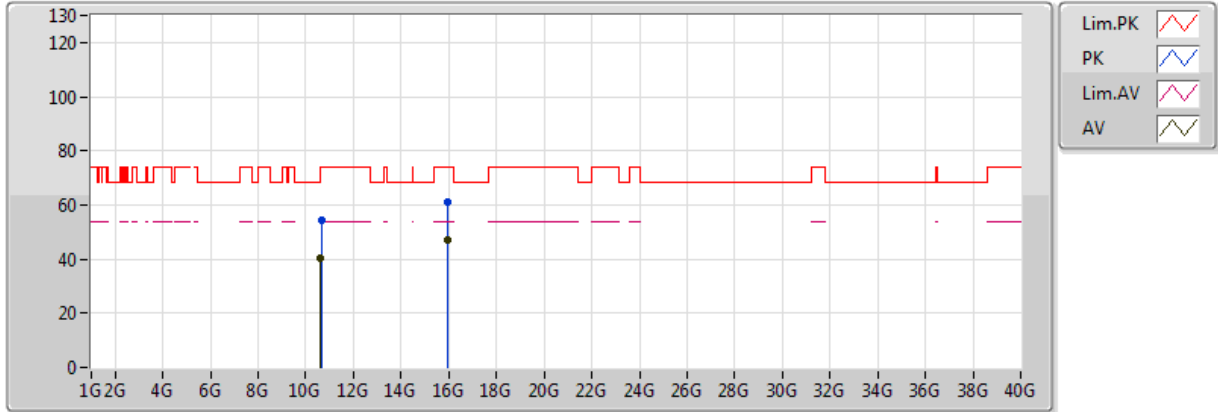


20171101
 EUT Z_1TX_WiFi 1
 Setting 85
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	10.6493G	40.32	54.00	-13.68	12.86	3	Vertical	314	2.42
AV	15.9616G	47.51	54.00	-6.49	15.26	3	Vertical	226	2.34
PK	10.6544G	53.97	74.00	-20.03	12.86	3	Vertical	314	2.42
PK	15.95828G	61.21	74.00	-12.79	15.26	3	Vertical	226	2.34

802.11a_Nss1,(6Mbps)_1TX

5320MHz_TX

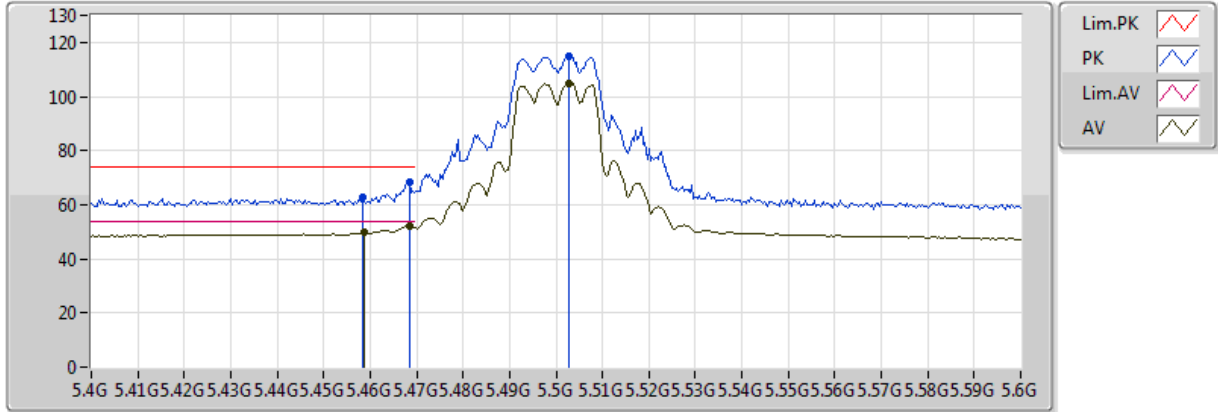


20171101
 EUT Z_1TX_WiFi 1
 Setting 85
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	10.63742G	40.38	54.00	-13.62	12.85	3	Horizontal	99	2.26
AV	15.95612G	47.33	54.00	-6.67	15.26	3	Horizontal	275	1.29
PK	10.63964G	54.32	74.00	-19.68	12.85	3	Horizontal	99	2.26
PK	15.96416G	60.95	74.00	-13.05	15.25	3	Horizontal	275	1.29

802.11a_Nss1,(6Mbps)_1TX

5500MHz_TX

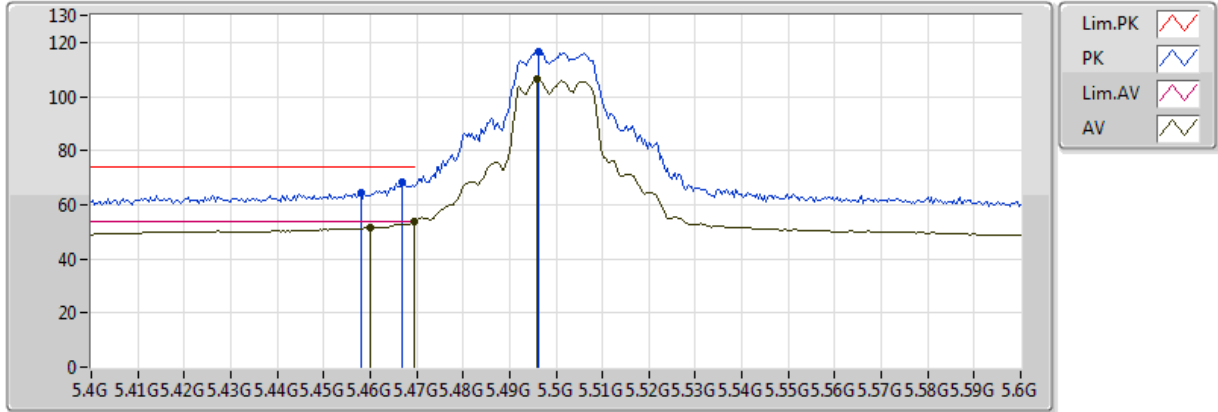


20171101
 EUT_Z_1TX_WiFi1
 Setting 85
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.4588G	49.73	54.00	-4.27	5.93	3	Vertical	251	1.19
AV	5.4684G	52.13	54.00	-1.87	5.95	3	Vertical	251	1.19
AV	5.5028G	105.06	Inf	-Inf	6.02	3	Vertical	251	1.19
PK	5.4584G	62.79	74.00	-11.21	5.93	3	Vertical	251	1.19
PK	5.4684G	68.11	74.00	-5.89	5.95	3	Vertical	251	1.19
PK	5.5028G	115.01	Inf	-Inf	6.02	3	Vertical	251	1.19

802.11a_Nss1,(6Mbps)_1TX

5500MHz_TX

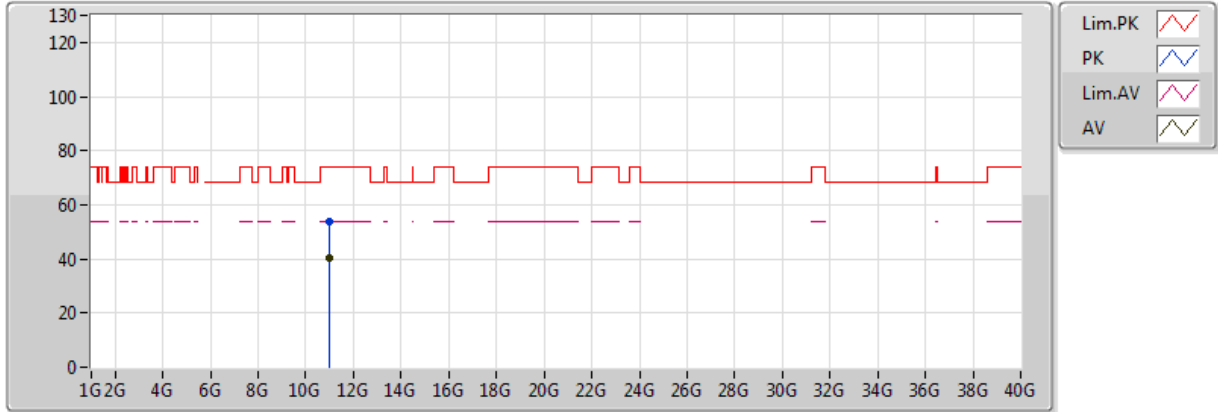


20171101
 EUT_Z_1TX_WiFi1
 Setting 85
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.4599G	51.55	54.00	-2.45	5.93	3	Horizontal	93	1.28
AV	5.4696G	53.90	54.00	-0.10	5.95	3	Horizontal	93	1.28
AV	5.496G	106.41	Inf	-Inf	6.00	3	Horizontal	93	1.28
PK	5.458G	64.51	74.00	-9.49	5.93	3	Horizontal	93	1.28
PK	5.4668G	68.58	74.00	-5.42	5.94	3	Horizontal	93	1.28
PK	5.4964G	116.36	Inf	-Inf	6.00	3	Horizontal	93	1.28

802.11a_Nss1,(6Mbps)_1TX

5500MHz_TX

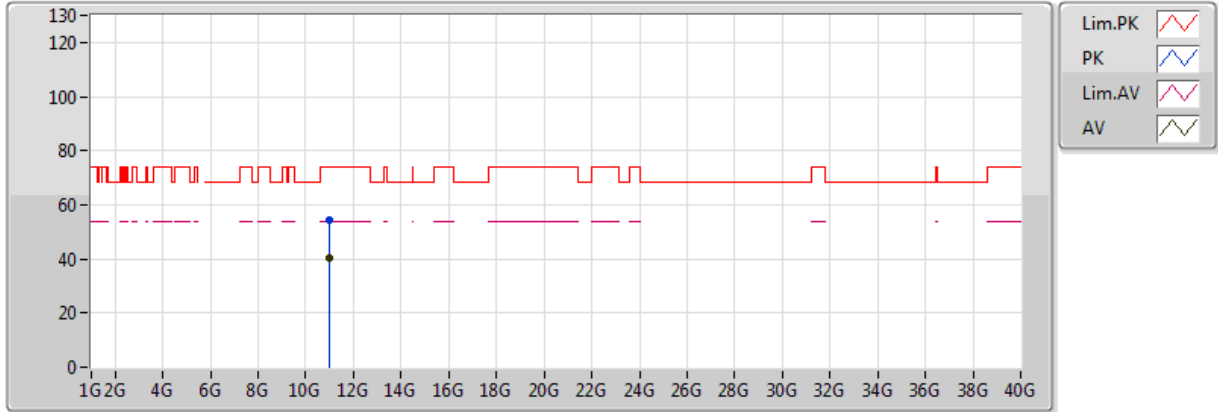


20171101
 EUT_Z_1TX_WiFi1
 Setting 85
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.00042G	40.11	54.00	-13.89	13.16	3	Vertical	70	2.50
PK	11.01098G	53.71	74.00	-20.29	13.16	3	Vertical	70	2.50

802.11a_Nss1,(6Mbps)_1TX

5500MHz_TX

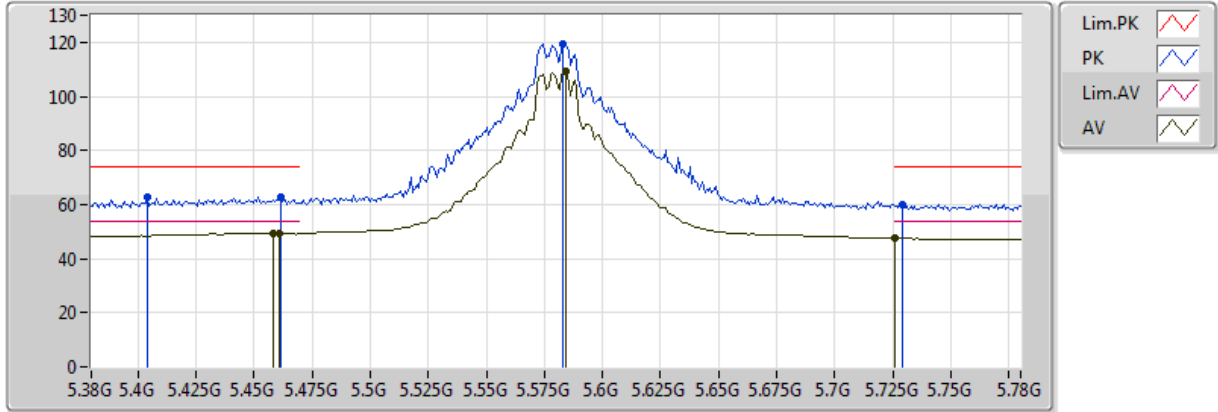


20171101
 EUT_Z_1TX_WiFi1
 Setting 85
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.00504G	40.15	54.00	-13.85	13.16	3	Horizontal	335	1.52
PK	11.00462G	54.18	74.00	-19.82	13.16	3	Horizontal	335	1.52

802.11a_Nss1,(6Mbps)_1TX

5580MHz_TX

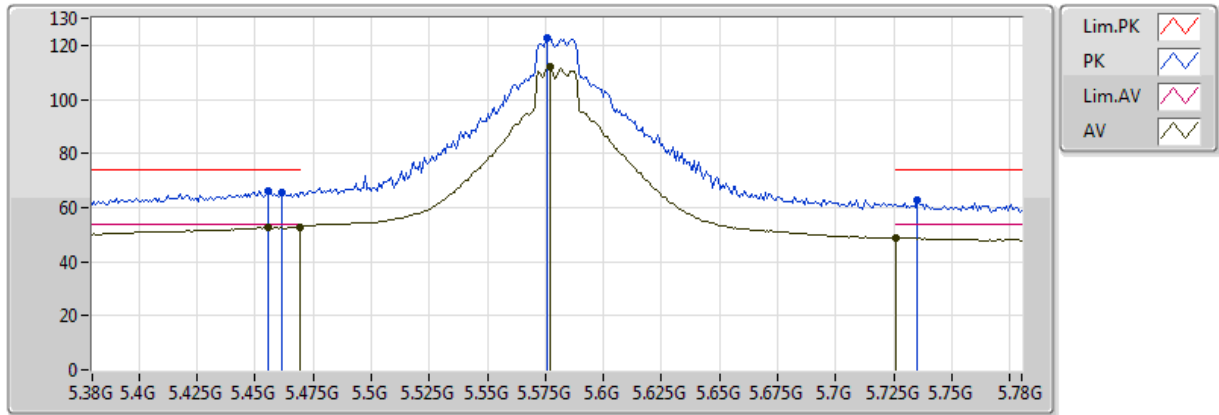


20171101
 EUT_Z_1TX_WiFi 1
 Setting 99
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.4584G	49.48	54.00	-4.52	5.93	3	Vertical	230	2.49
AV	5.4608G	49.45	54.00	-4.55	5.93	3	Vertical	230	2.49
AV	5.584G	109.17	Inf	-Inf	6.25	3	Vertical	230	2.49
AV	5.7256G	47.65	54.00	-6.35	6.85	3	Vertical	230	2.49
PK	5.404G	62.86	74.00	-11.14	5.82	3	Vertical	230	2.49
PK	5.4616G	62.65	74.00	-11.35	5.93	3	Vertical	230	2.49
PK	5.5832G	119.41	Inf	-Inf	6.25	3	Vertical	230	2.49
PK	5.7288G	60.06	74.00	-13.94	6.86	3	Vertical	230	2.49

802.11a_Nss1,(6Mbps)_1TX

5580MHz_TX

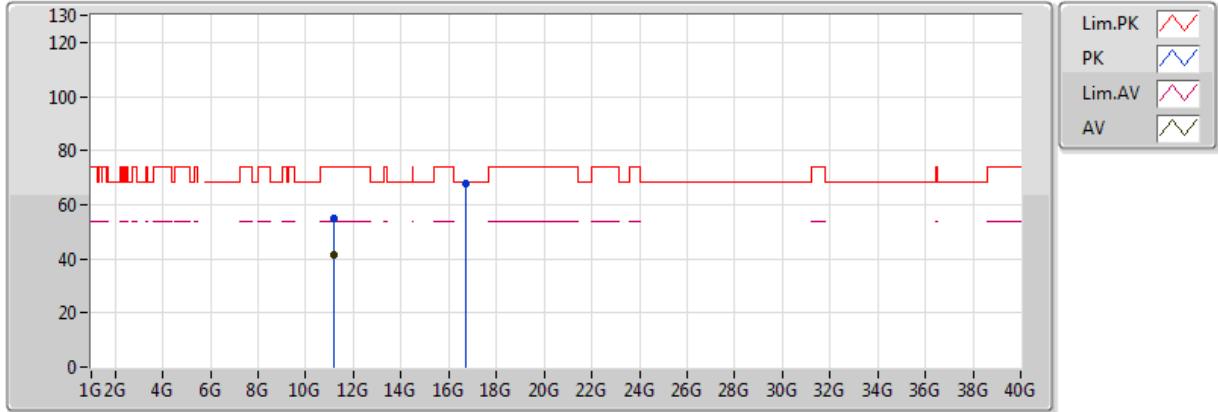


20171101
 EUT_Z_1TX_WiFi1
 Setting 99
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.456G	52.51	54.00	-1.49	5.92	3	Horizontal	93	1.26
AV	5.4696G	52.74	54.00	-1.26	5.95	3	Horizontal	93	1.26
AV	5.5768G	111.81	Inf	-Inf	6.23	3	Horizontal	93	1.26
AV	5.7256G	48.79	54.00	-5.21	6.85	3	Horizontal	93	1.26
PK	5.456G	66.17	74.00	-7.83	5.92	3	Horizontal	93	1.26
PK	5.4616G	65.67	74.00	-8.33	5.93	3	Horizontal	93	1.26
PK	5.576G	122.84	Inf	-Inf	6.23	3	Horizontal	93	1.26
PK	5.7352G	62.98	74.00	-11.02	6.89	3	Horizontal	93	1.26

802.11a_Nss1,(6Mbps)_1TX

5580MHz_TX

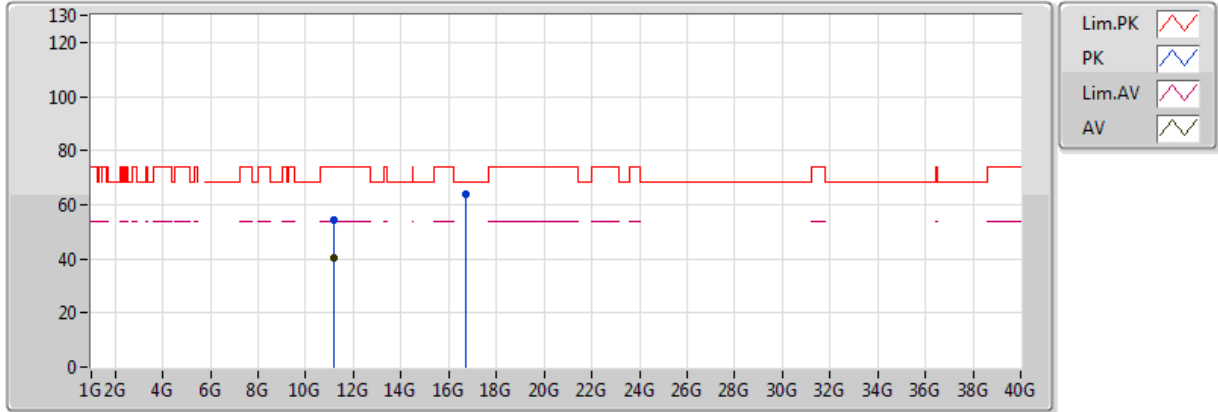


20171101
 EUT_Z_1TX_WiFi1
 Setting 99
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.16064G	41.47	54.00	-12.53	13.20	3	Vertical	28	2.14
PK	11.15656G	55.02	74.00	-18.98	13.20	3	Vertical	28	2.14
PK	16.72696G	68.01	68.20	-0.19	18.49	3	Vertical	269	2.40

802.11a_Nss1,(6Mbps)_1TX

5580MHz_TX

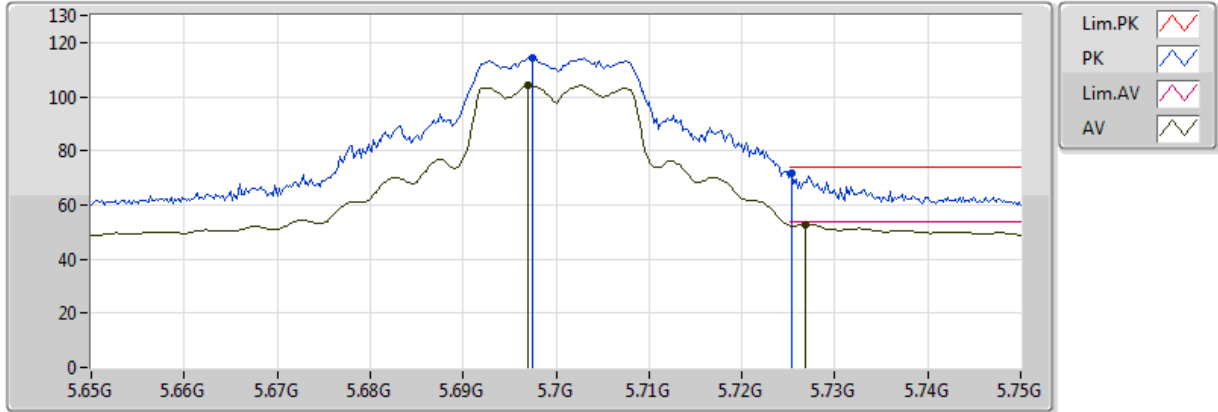


20171101
 EUT_Z_1TX_WiFi 1
 Setting 99
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.17648G	40.51	54.00	-13.49	13.20	3	Horizontal	358	1.68
PK	11.17968G	54.22	74.00	-19.78	13.20	3	Horizontal	358	1.68
PK	16.74624G	63.87	68.20	-4.33	18.58	3	Horizontal	271	2.99

802.11a_Nss1,(6Mbps)_1TX

5700MHz_TX

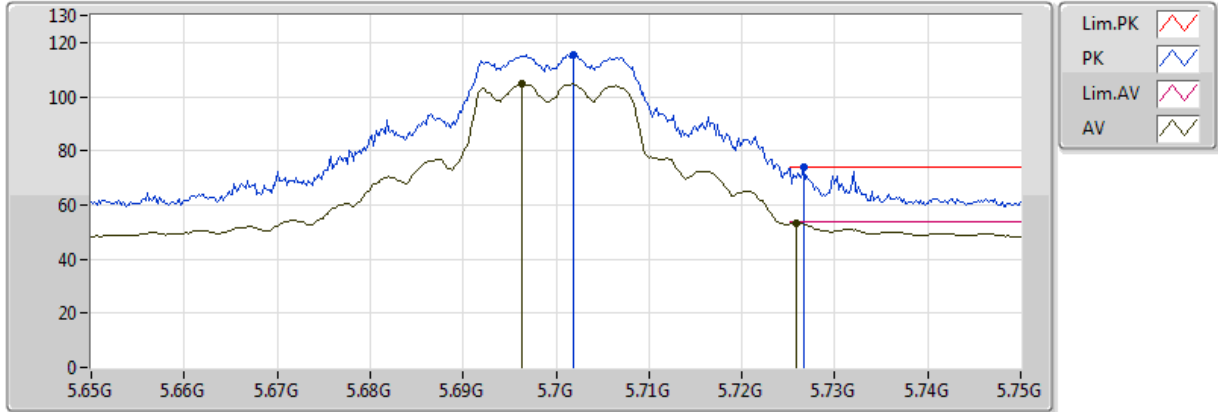


20171101
 EUT Z_1TX_WiFi 1
 Setting 85
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.697G	104.13	Inf	-Inf	6.73	3	Vertical	262	1.14
AV	5.7268G	52.74	54.00	-1.26	6.86	3	Vertical	262	1.14
PK	5.6974G	114.40	Inf	-Inf	6.73	3	Vertical	262	1.14
PK	5.7254G	71.78	74.00	-2.22	6.85	3	Vertical	262	1.14

802.11a_Nss1,(6Mbps)_1TX

5700MHz_TX

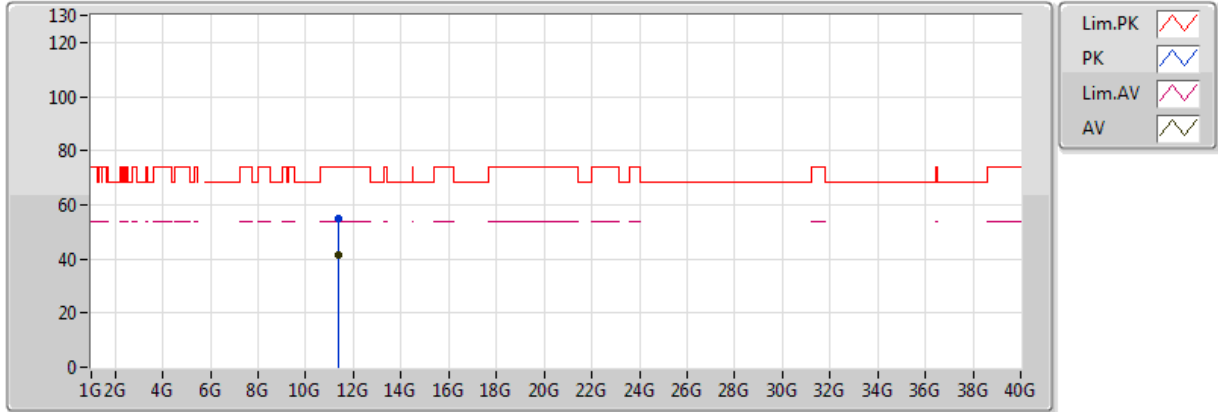


20171101
 EUT_Z_1TX_WiFi1
 Setting 85
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.6964G	104.94	Inf	-Inf	6.72	3	Horizontal	254	2.48
AV	5.7258G	53.24	54.00	-0.76	6.85	3	Horizontal	254	2.48
PK	5.7018G	115.43	Inf	-Inf	6.75	3	Horizontal	254	2.48
PK	5.7266G	73.77	74.00	-0.23	6.85	3	Horizontal	254	2.48

802.11a_Nss1,(6Mbps)_1TX

5700MHz_TX

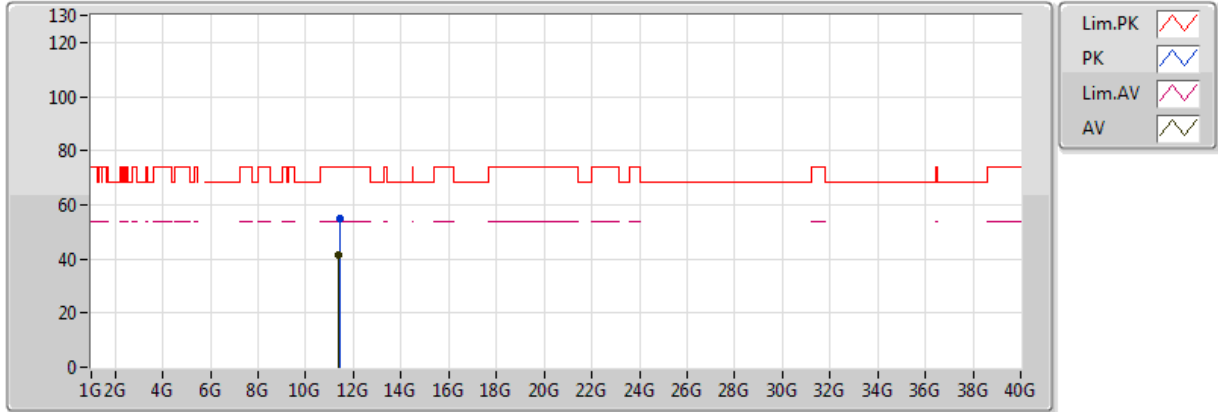


20171101
 EUT_Z_1TX_WiFi1
 Setting 85
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.39766G	41.26	54.00	-12.74	13.26	3	Vertical	255	1.41
PK	11.39796G	54.94	74.00	-19.06	13.26	3	Vertical	255	1.41

802.11a_Nss1,(6Mbps)_1TX

5700MHz_TX

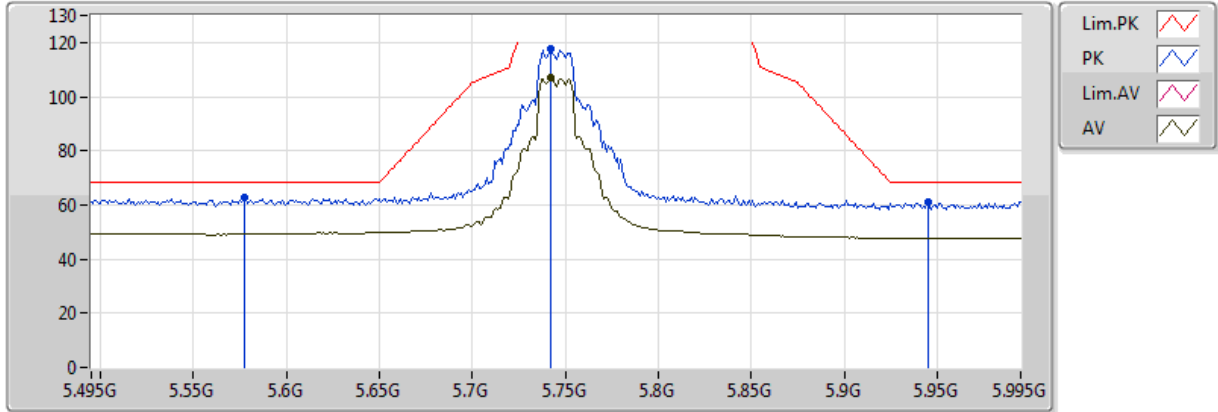


20171101
 EUT_Z_1TX_WiFi1
 Setting 85
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.3889G	41.28	54.00	-12.72	13.25	3	Horizontal	347	1.79
PK	11.41368G	55.06	74.00	-18.94	13.26	3	Horizontal	347	1.79

802.11a_Nss1,(6Mbps)_1TX

5745MHz_TX

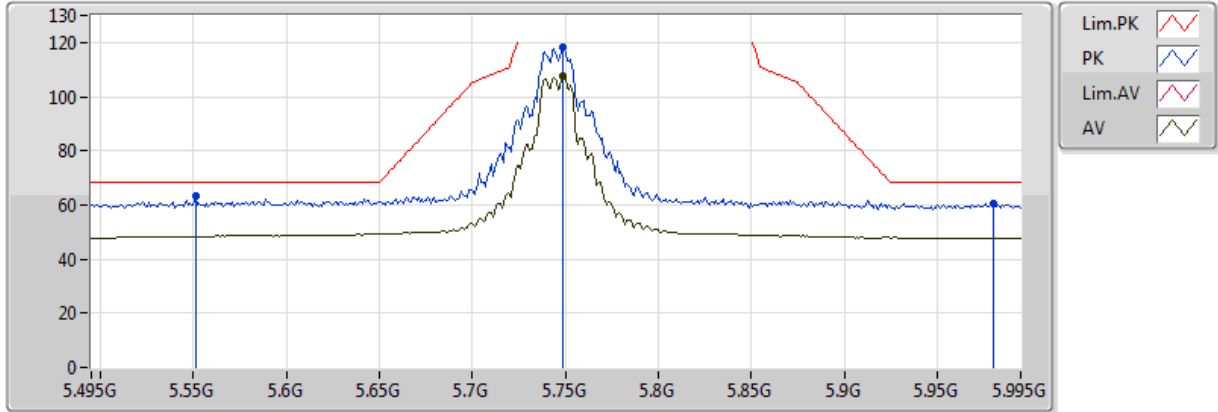


20171101
 EUT Z_1TX_WiFi 1
 Setting 99
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.742G	106.98	Inf	-Inf	6.92	3	Vertical	263	1.05
PK	5.577G	62.66	68.20	-5.54	6.23	3	Vertical	263	1.05
PK	5.742G	117.61	Inf	-Inf	6.92	3	Vertical	263	1.05
PK	5.945G	61.15	68.20	-7.05	7.48	3	Vertical	263	1.05

802.11a_Nss1,(6Mbps)_1TX

5745MHz_TX

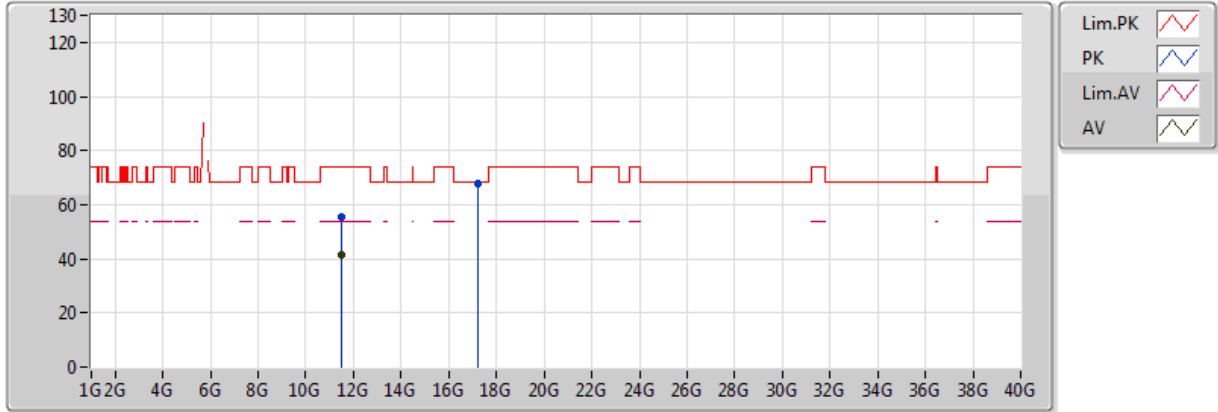


20171101
 EUT_Z_1TX_WiFi 1
 Setting 99
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.749G	107.68	Inf	-Inf	6.95	3	Horizontal	238	2.49
PK	5.551G	63.26	68.20	-4.94	6.16	3	Horizontal	238	2.49
PK	5.749G	118.14	Inf	-Inf	6.95	3	Horizontal	238	2.49
PK	5.98G	60.63	68.20	-7.57	7.56	3	Horizontal	238	2.49

802.11a_Nss1,(6Mbps)_1TX

5745MHz_TX

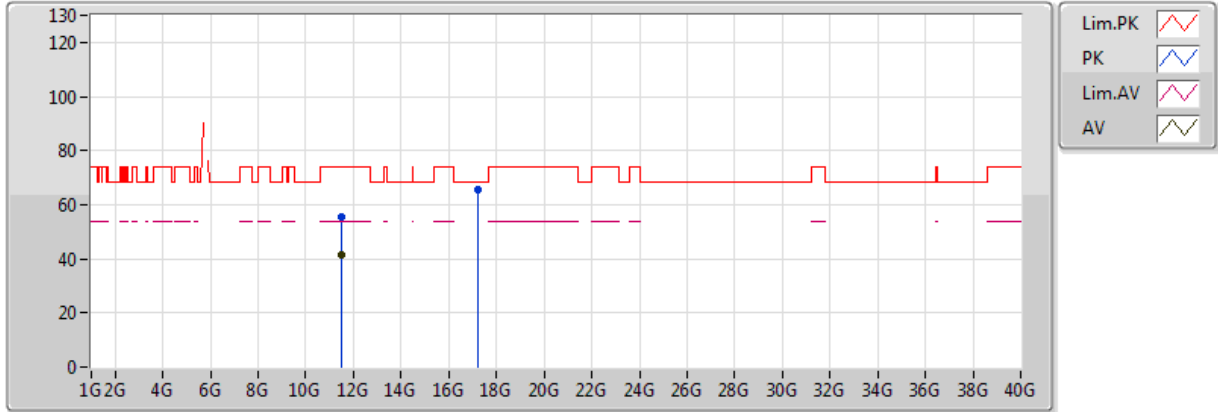


20171101
 EUT_Z_1TX_WiFi1
 Setting 99
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.4873G	41.63	54.00	-12.37	13.28	3	Vertical	24	1.17
PK	11.4777G	55.30	74.00	-18.70	13.27	3	Vertical	24	1.17
PK	17.23428G	67.86	68.20	-0.34	20.21	3	Vertical	292	1.50

802.11a_Nss1,(6Mbps)_1TX

5745MHz_TX

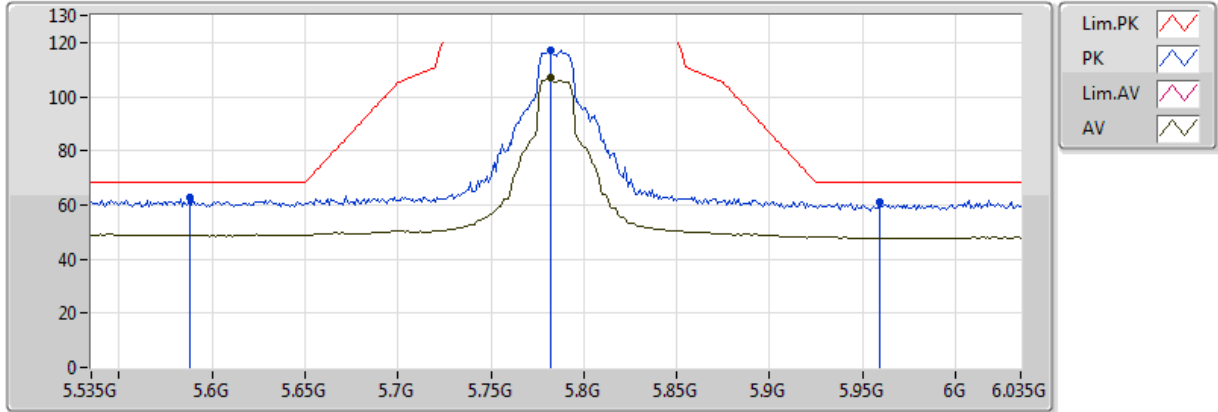


20171101
 EUT_Z_1TX_WiFi1
 Setting 99
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.49162G	41.59	54.00	-12.41	13.28	3	Horizontal	71	1.36
PK	11.502G	55.32	74.00	-18.68	13.28	3	Horizontal	71	1.36
PK	17.22366G	65.50	68.20	-2.70	20.19	3	Horizontal	280	1.45

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX

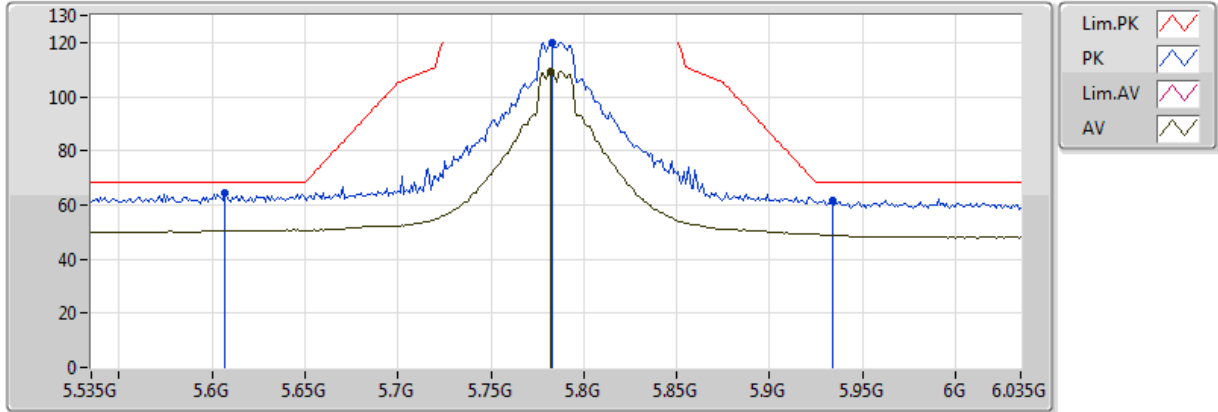


20171101
 EUT_Z_1TX_WiFi1
 Setting 99
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.782G	106.78	Inf	-Inf	7.09	3	Vertical	275	1.18
PK	5.588G	62.59	68.20	-5.61	6.27	3	Vertical	275	1.18
PK	5.782G	117.09	Inf	-Inf	7.09	3	Vertical	275	1.18
PK	5.959G	60.86	68.20	-7.34	7.51	3	Vertical	275	1.18

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX

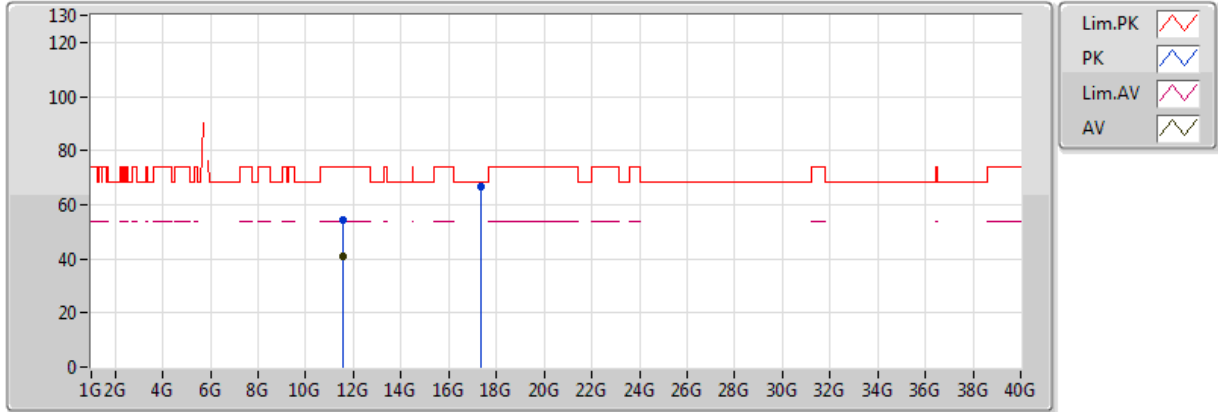


20171101
 EUT_Z_1TX_WiFi1
 Setting 99
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.782G	109.40	Inf	-Inf	7.09	3	Horizontal	94	1.27
PK	5.607G	64.19	68.20	-4.01	6.33	3	Horizontal	94	1.27
PK	5.783G	120.17	Inf	-Inf	7.10	3	Horizontal	94	1.27
PK	5.934G	61.81	68.20	-6.39	7.45	3	Horizontal	94	1.27

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX

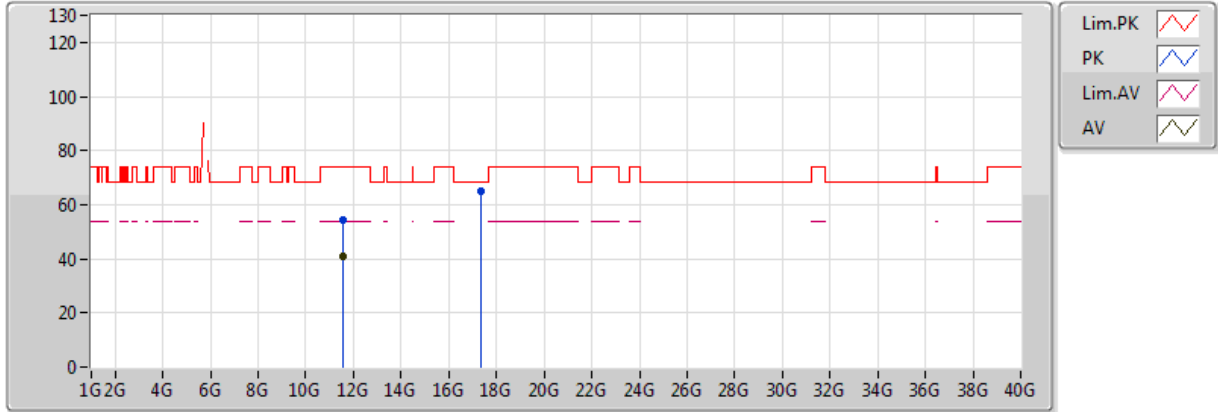


20171101
 EUT_Z_1TX_WiFi1
 Setting 99
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.555G	40.92	54.00	-13.08	13.29	3	Vertical	152	1.39
PK	11.5601G	54.51	74.00	-19.49	13.29	3	Vertical	152	1.39
PK	17.34942G	66.53	68.20	-1.67	20.45	3	Vertical	247	2.22

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX

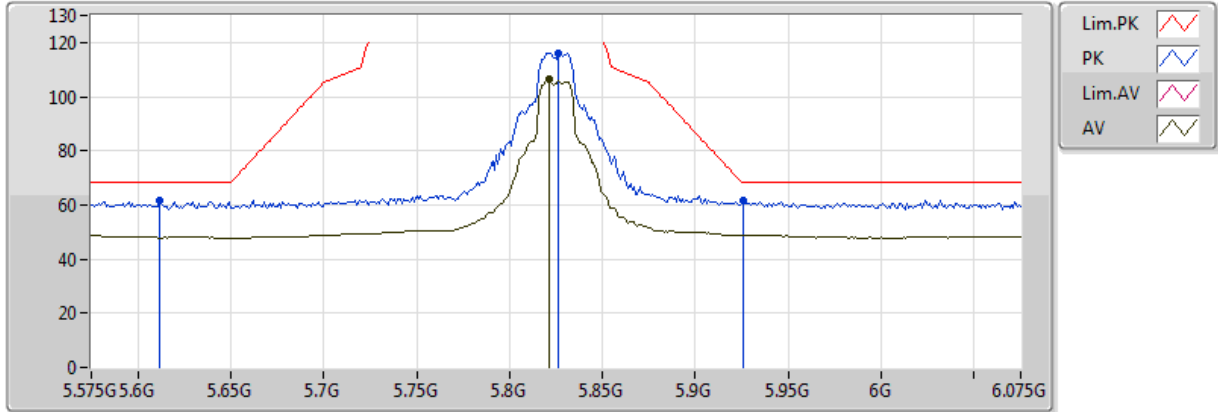


20171101
 EUT_Z_1TX_WiFi1
 Setting 99
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.5604G	40.91	54.00	-13.09	13.29	3	Horizontal	120	2.21
PK	11.56646G	54.38	74.00	-19.62	13.30	3	Horizontal	120	2.21
PK	17.35122G	64.77	68.20	-3.43	20.45	3	Horizontal	87	2.08

802.11a_Nss1,(6Mbps)_1TX

5825MHz_TX

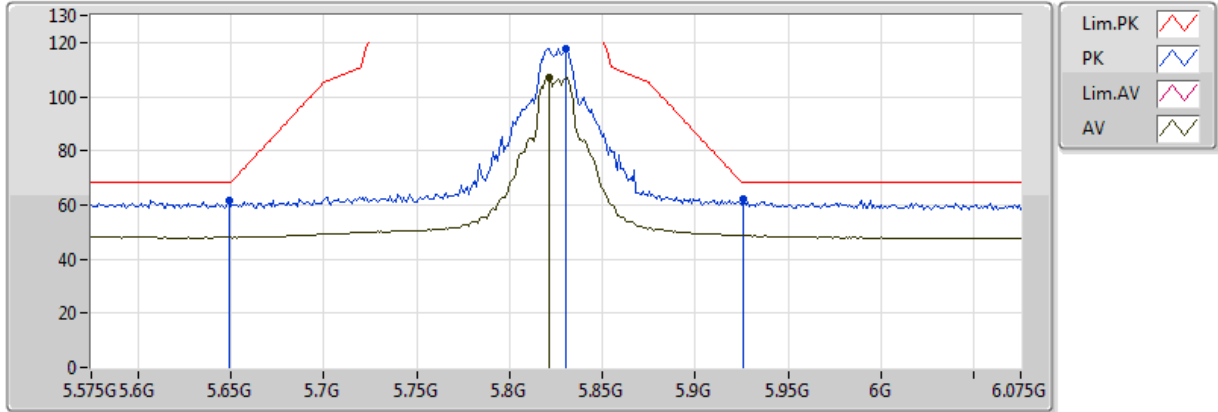


20171101
 EUT_Z_1TX_WiFi1
 Setting 99
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.821G	106.25	Inf	-Inf	7.21	3	Vertical	273	1.11
PK	5.612G	61.37	68.20	-6.83	6.35	3	Vertical	273	1.11
PK	5.826G	116.21	Inf	-Inf	7.22	3	Vertical	273	1.11
PK	5.926G	61.63	68.20	-6.57	7.44	3	Vertical	273	1.11

802.11a_Nss1,(6Mbps)_1TX

5825MHz_TX

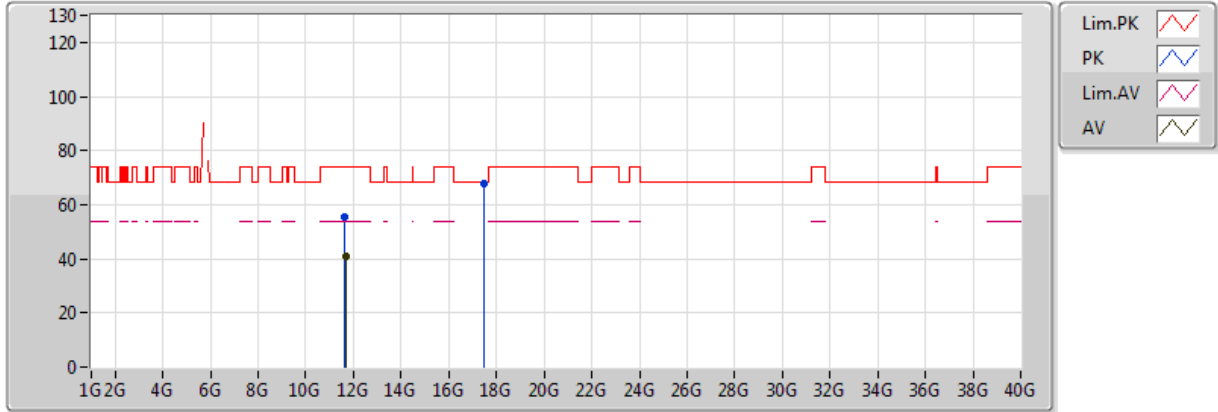


20171101
 EUT_Z_1TX_WiFi1
 Setting 99
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.821G	107.13	Inf	-Inf	7.21	3	Horizontal	256	2.61
PK	5.649G	61.56	68.20	-6.64	6.52	3	Horizontal	256	2.61
PK	5.83G	117.88	Inf	-Inf	7.23	3	Horizontal	256	2.61
PK	5.926G	62.20	68.20	-6.00	7.44	3	Horizontal	256	2.61

802.11a_Nss1,(6Mbps)_1TX

5825MHz_TX

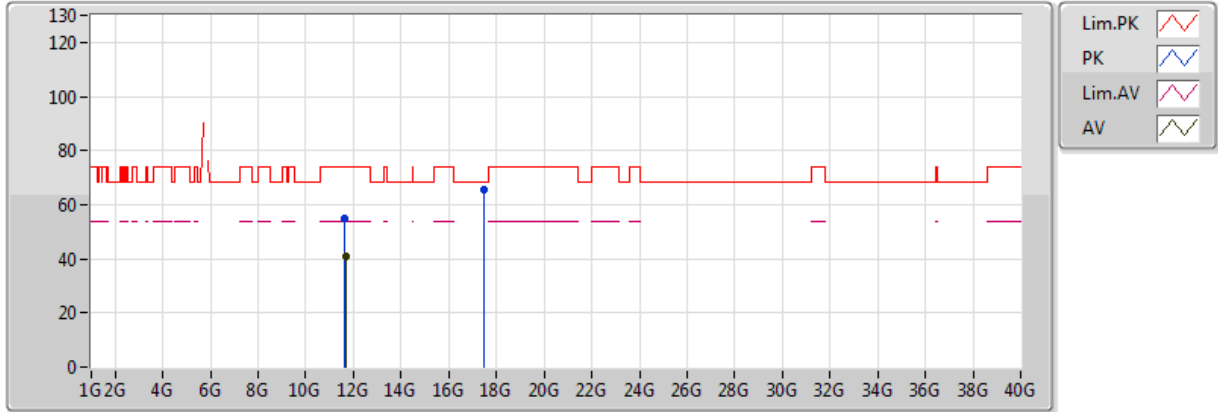


20171101
 EUT_Z_1TX_WiFi1
 Setting 99
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.66236G	41.06	54.00	-12.94	13.32	3	Vertical	194	1.62
PK	11.64772G	55.29	74.00	-18.71	13.32	3	Vertical	194	1.62
PK	17.46852G	67.91	68.20	-0.29	20.70	3	Vertical	57	1.26

802.11a_Nss1,(6Mbps)_1TX

5825MHz_TX

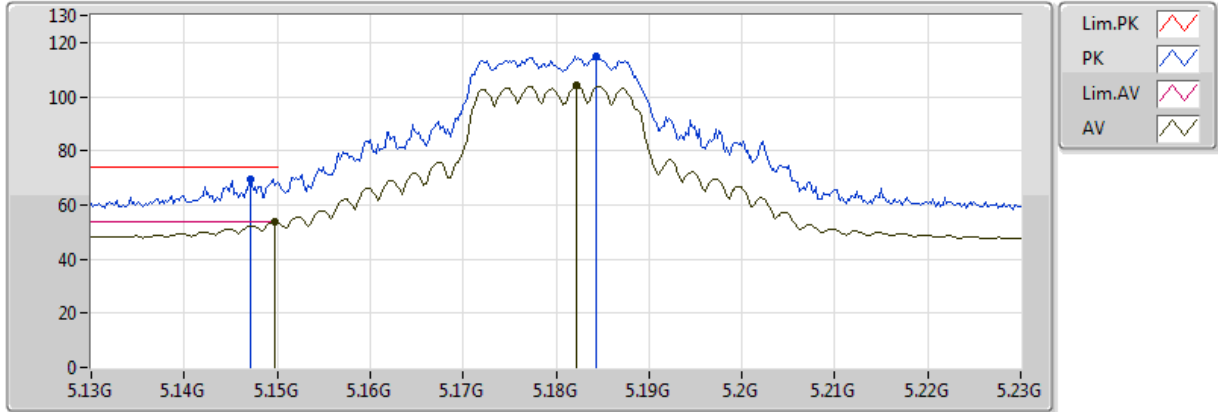


20171101
 EUT_Z_1TX_WiFi1
 Setting 99
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.6647G	41.06	54.00	-12.94	13.32	3	Horizontal	327	1.37
PK	11.6557G	54.81	74.00	-19.19	13.32	3	Horizontal	327	1.37
PK	17.47206G	65.33	68.20	-2.87	20.70	3	Horizontal	239	2.91

802.11n HT20_Nss1,(MCS0)_2TX

5180MHz_TX

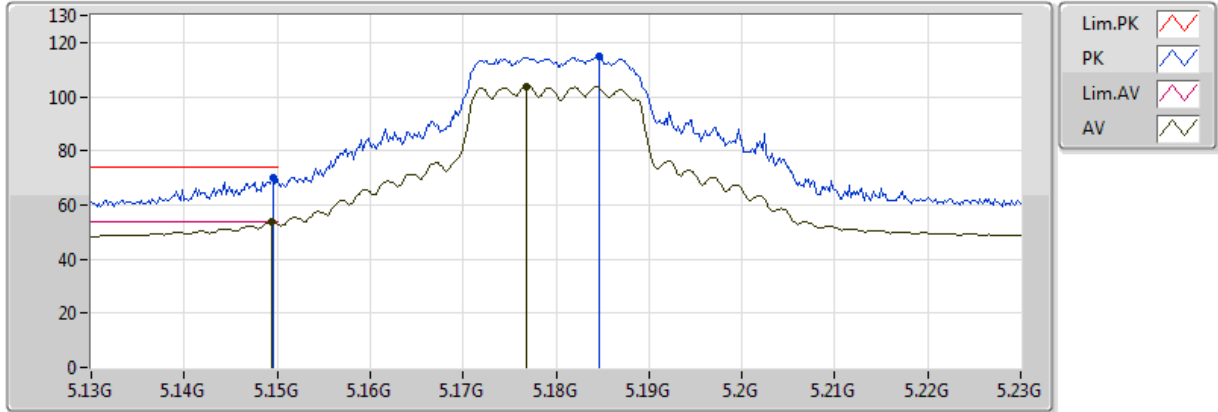


20171101
 EUT_Z_2TX
 Setting 86
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.1498G	53.91	54.00	-0.09	4.93	3	Vertical	230	2.33
AV	5.1822G	103.98	Inf	-Inf	4.97	3	Vertical	230	2.33
PK	5.1472G	69.60	74.00	-4.40	4.93	3	Vertical	230	2.33
PK	5.1844G	114.67	Inf	-Inf	4.97	3	Vertical	230	2.33

802.11n HT20_Nss1,(MCS0)_2TX

5180MHz_TX

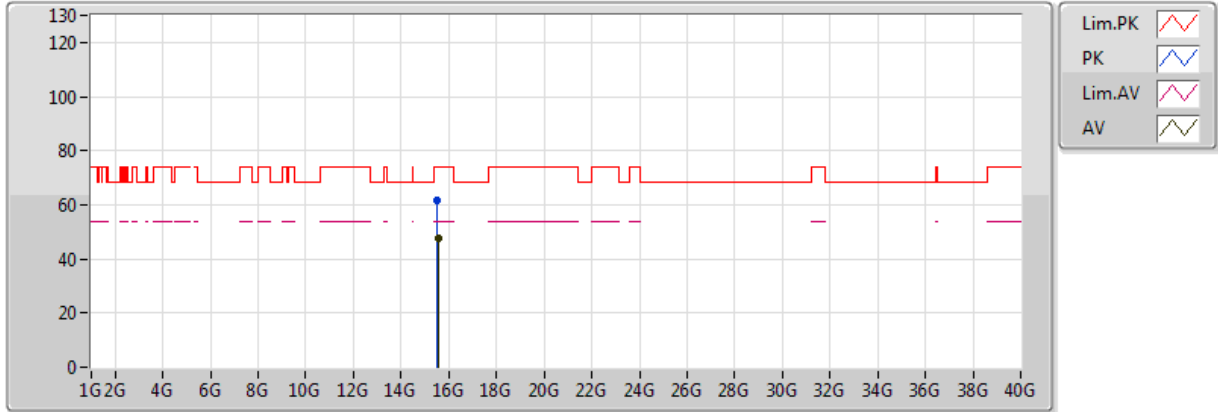


20171101
EUT_Z_2TX
Setting 86
01-J-6-10
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.1494G	53.84	54.00	-0.16	4.93	3	Horizontal	88	1.12
AV	5.1768G	103.77	Inf	-Inf	4.96	3	Horizontal	88	1.12
PK	5.1496G	69.92	74.00	-4.08	4.93	3	Horizontal	88	1.12
PK	5.1846G	114.80	Inf	-Inf	4.97	3	Horizontal	88	1.12

802.11n HT20_Nss1,(MCS0)_2TX

5180MHz_TX

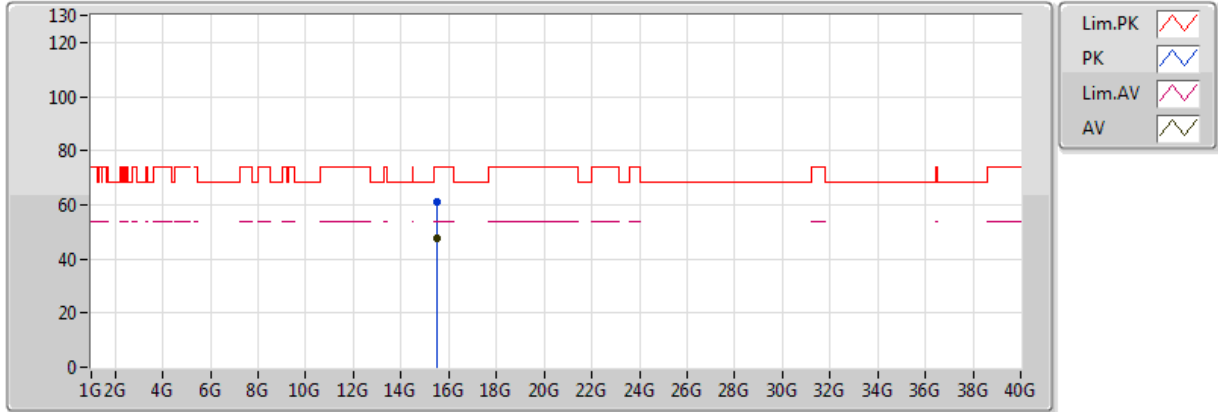


20171101
 EUT_Z_2TX
 Setting 86
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	15.5397G	47.42	54.00	-6.58	15.86	3	Vertical	180	1.98
PK	15.5262G	61.63	74.00	-12.37	15.88	3	Vertical	180	1.98

802.11n HT20_Nss1,(MCS0)_2TX

5180MHz_TX

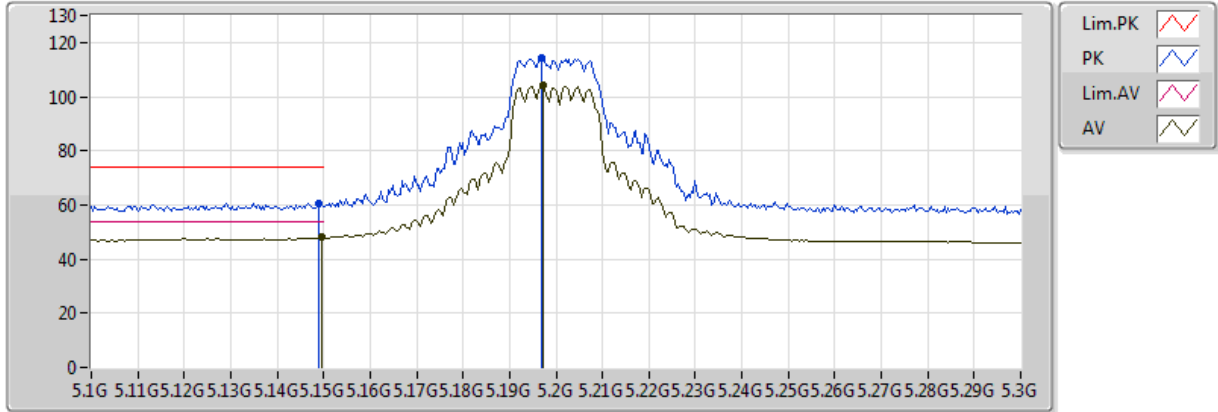


20171101
 EUT_Z_2TX
 Setting 86
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	15.52866G	47.38	54.00	-6.62	15.88	3	Horizontal	132	1.66
PK	15.5268G	61.25	74.00	-12.75	15.88	3	Horizontal	132	1.66

802.11n HT20_Nss1,(MCS0)_2TX

5200MHz_TX

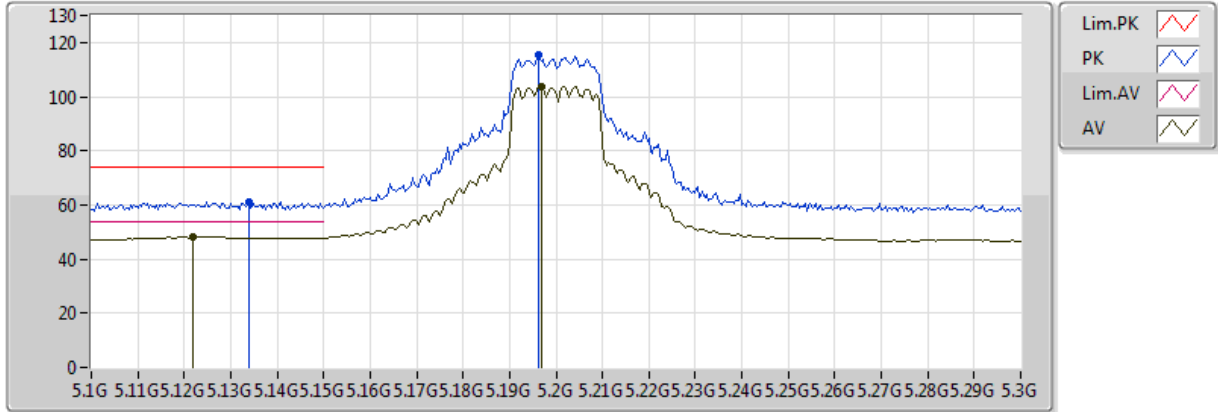


20171101
EUT_Z_2TX
Setting 84
01-J-6-10
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.1496G	48.05	54.00	-5.95	4.93	3	Vertical	230	2.17
AV	5.1972G	103.95	Inf	-Inf	4.99	3	Vertical	230	2.17
PK	5.1488G	60.46	74.00	-13.54	4.93	3	Vertical	230	2.17
PK	5.1968G	114.13	Inf	-Inf	4.99	3	Vertical	230	2.17

802.11n HT20_Nss1,(MCS0)_2TX

5200MHz_TX

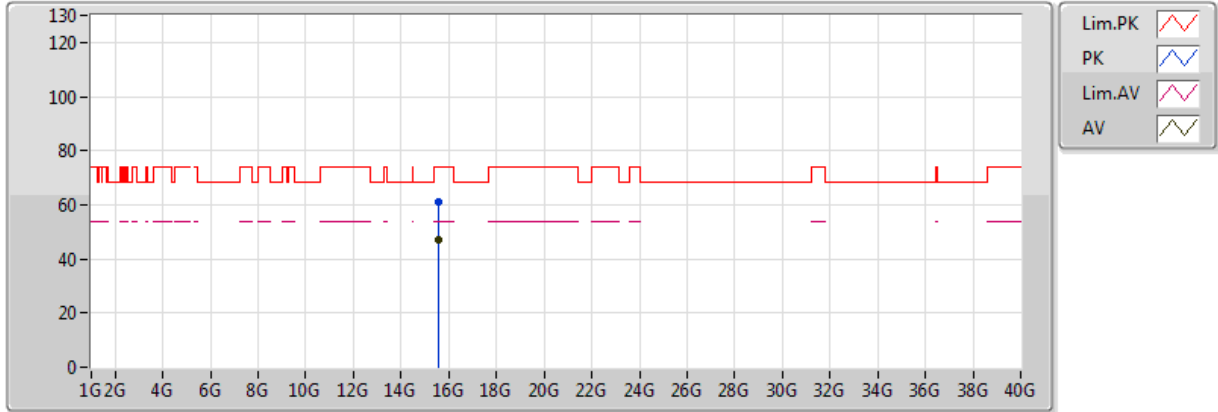


20171101
EUT_Z_2TX
Setting 84
01-J-6-10
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.122G	48.27	54.00	-5.73	4.90	3	Horizontal	255	2.65
AV	5.1968G	103.91	Inf	-Inf	4.99	3	Horizontal	255	2.65
PK	5.134G	61.07	74.00	-12.93	4.91	3	Horizontal	255	2.65
PK	5.1964G	115.21	Inf	-Inf	4.99	3	Horizontal	255	2.65

802.11n HT20_Nss1,(MCS0)_2TX

5200MHz_TX

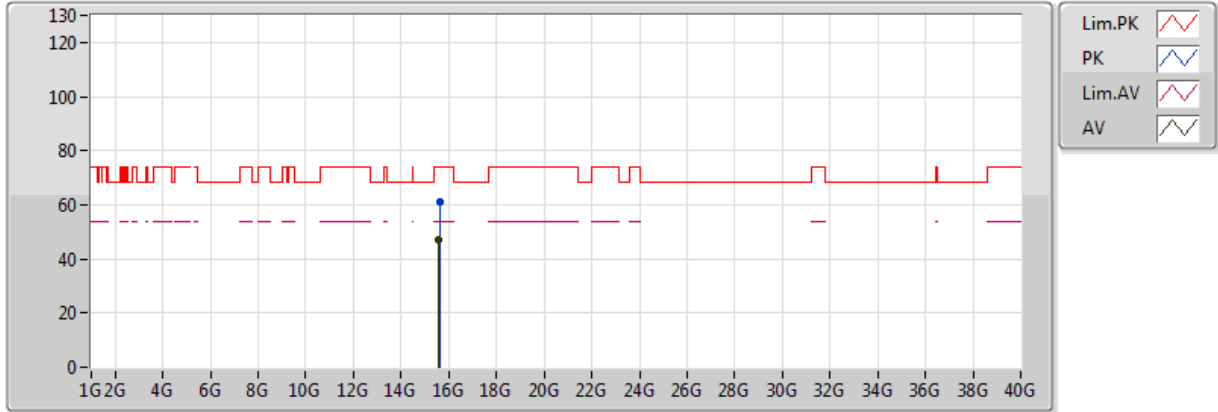


20171101
 EUT_Z_2TX
 Setting 84
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	15.58662G	47.01	54.00	-6.99	15.80	3	Vertical	76	2.29
PK	15.5964G	61.00	74.00	-13.00	15.78	3	Vertical	76	2.29

802.11n HT20_Nss1,(MCS0)_2TX

5200MHz_TX

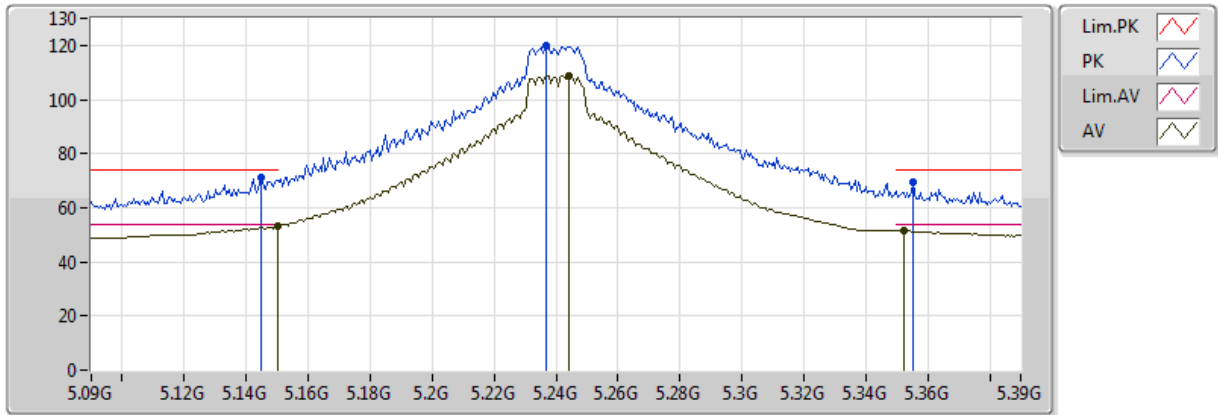


20171101
EUT_Z_2TX
Setting 84
01-J-6
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	15.58524G	47.04	54.00	-6.96	15.80	3	Horizontal	71	1.12
PK	15.60678G	60.80	74.00	-13.20	15.77	3	Horizontal	71	1.12

802.11n HT20_Nss1,(MCS0)_2TX

5240MHz_TX

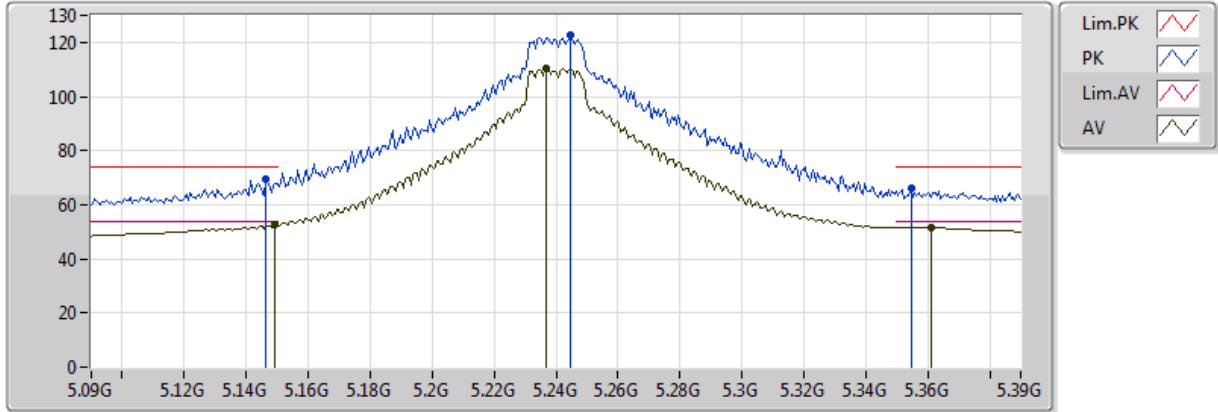


20171101
EUT_Z_2TX
Setting 99
01-J-6-10
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.149995G	53.20	54.00	-0.80	4.93	3	Vertical	255	1.03
AV	5.2442G	108.95	Inf	-Inf	5.18	3	Vertical	255	1.03
AV	5.3522G	51.45	54.00	-2.55	5.63	3	Vertical	255	1.03
PK	5.1446G	71.01	74.00	-2.99	4.92	3	Vertical	255	1.03
PK	5.237G	119.83	Inf	-Inf	5.15	3	Vertical	255	1.03
PK	5.3552G	69.28	74.00	-4.72	5.64	3	Vertical	255	1.03

802.11n HT20_Nss1,(MCS0)_2TX

5240MHz_TX

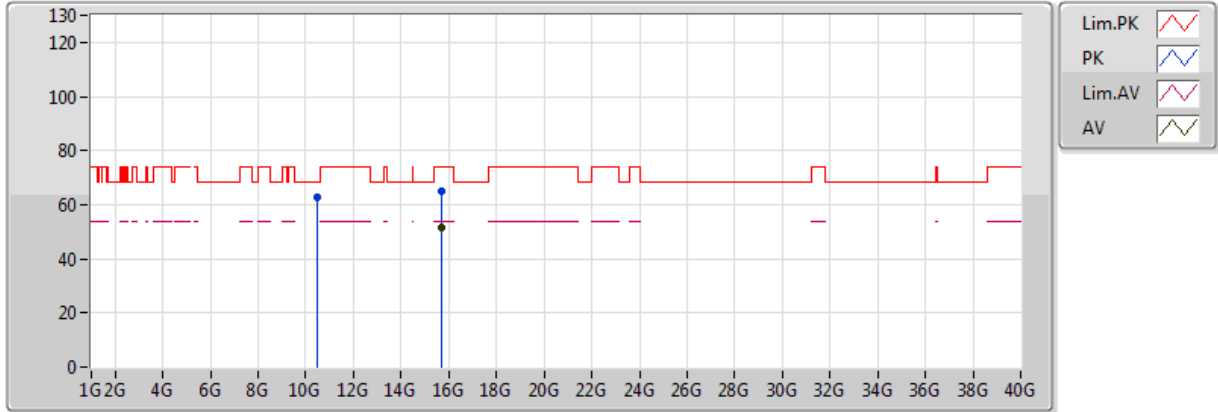


20171101
EUT_Z_2TX
Setting 99
01-J-6-10
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.1494G	52.80	54.00	-1.20	4.93	3	Horizontal	91	1.09
AV	5.237G	110.38	Inf	-Inf	5.15	3	Horizontal	91	1.09
AV	5.3612G	51.65	54.00	-2.35	5.66	3	Horizontal	91	1.09
PK	5.1464G	69.25	74.00	-4.75	4.93	3	Horizontal	91	1.09
PK	5.2448G	122.75	Inf	-Inf	5.19	3	Horizontal	91	1.09
PK	5.3546G	65.94	74.00	-8.06	5.64	3	Horizontal	91	1.09

802.11n HT20_Nss1,(MCS0)_2TX

5240MHz_TX

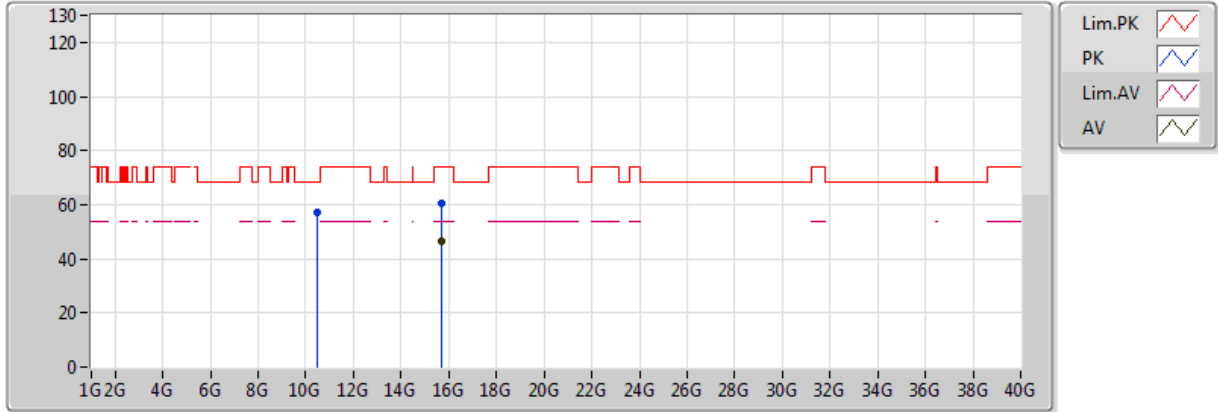


20171101
 EUT_Z_2TX
 Setting 99
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	15.71994G	51.42	54.00	-2.58	15.60	3	Vertical	28	1.14
PK	10.48096G	62.49	68.20	-5.71	12.71	3	Vertical	89	1.31
PK	15.72738G	65.11	74.00	-8.89	15.59	3	Vertical	28	1.14

802.11n HT20_Nss1,(MCS0)_2TX

5240MHz_TX

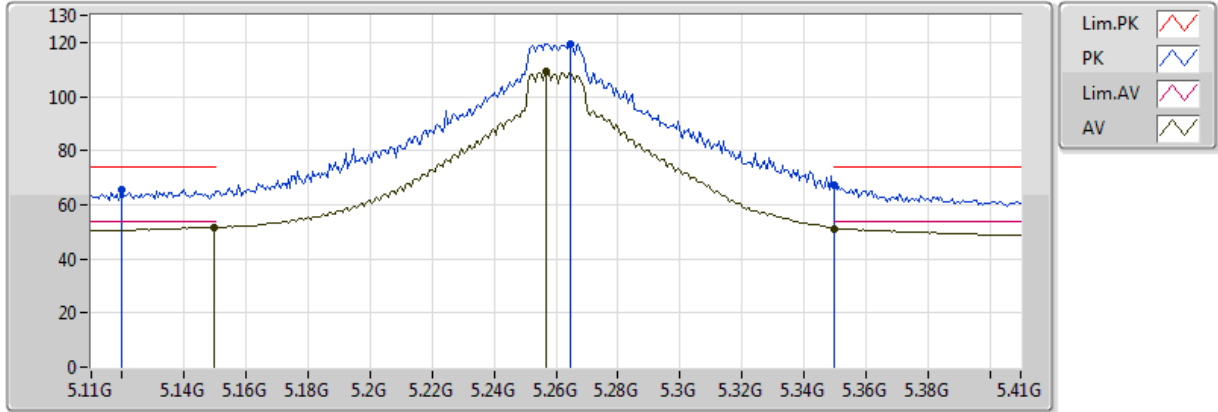


20171101
EUT_Z_2TX
Setting 99
01-J-6
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	15.72138G	46.26	54.00	-7.74	15.60	3	Horizontal	279	1.50
PK	10.48054G	57.14	68.20	-11.06	12.71	3	Horizontal	17	1.28
PK	15.72102G	60.29	74.00	-13.71	15.60	3	Horizontal	279	1.50

802.11n HT20_Nss1,(MCS0)_2TX

5260MHz_TX

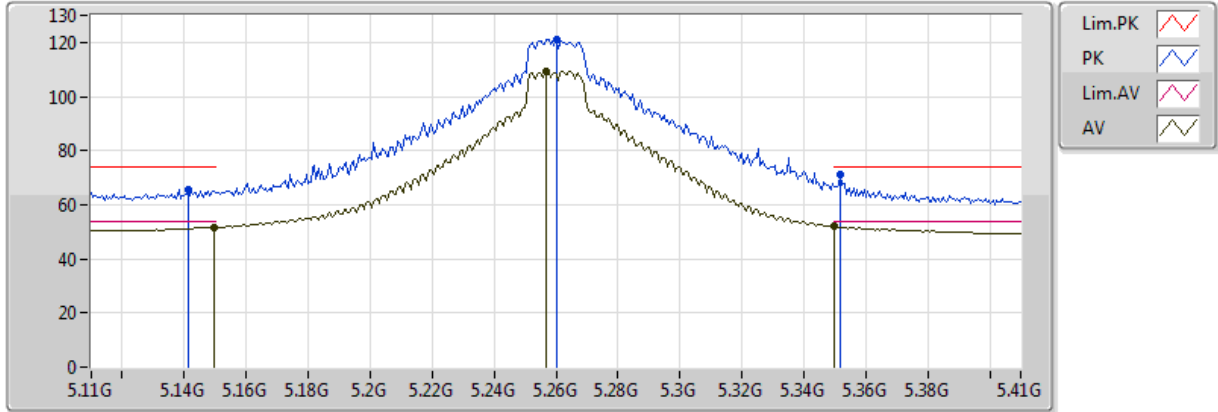


20171101
EUT_Z_2TX
Setting 99
01-J-6-10
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.1496G	51.60	54.00	-2.40	4.93	3	Vertical	252	1.08
AV	5.257G	109.02	Inf	-Inf	5.24	3	Vertical	252	1.08
AV	5.350005G	51.25	54.00	-2.75	5.62	3	Vertical	252	1.08
PK	5.1196G	65.47	74.00	-8.53	4.89	3	Vertical	252	1.08
PK	5.2648G	119.58	Inf	-Inf	5.28	3	Vertical	252	1.08
PK	5.350005G	67.48	74.00	-6.52	5.62	3	Vertical	252	1.08

802.11n HT20_Nss1,(MCS0)_2TX

5260MHz_TX

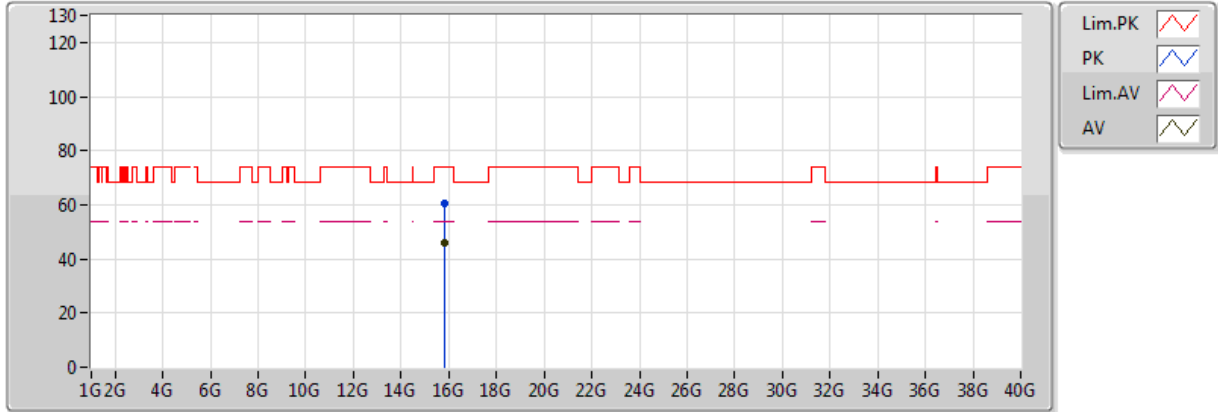


20171101
EUT_Z_2TX
Setting 99
01-J-6-10
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.1496G	51.70	54.00	-2.30	4.93	3	Horizontal	87	1.28
AV	5.257G	109.53	Inf	-Inf	5.24	3	Horizontal	87	1.28
AV	5.350005G	51.93	54.00	-2.07	5.62	3	Horizontal	87	1.28
PK	5.1412G	65.74	74.00	-8.26	4.92	3	Horizontal	87	1.28
PK	5.26G	121.00	Inf	-Inf	5.25	3	Horizontal	87	1.28
PK	5.3518G	71.16	74.00	-2.84	5.63	3	Horizontal	87	1.28

802.11n HT20_Nss1,(MCS0)_2TX

5260MHz_TX

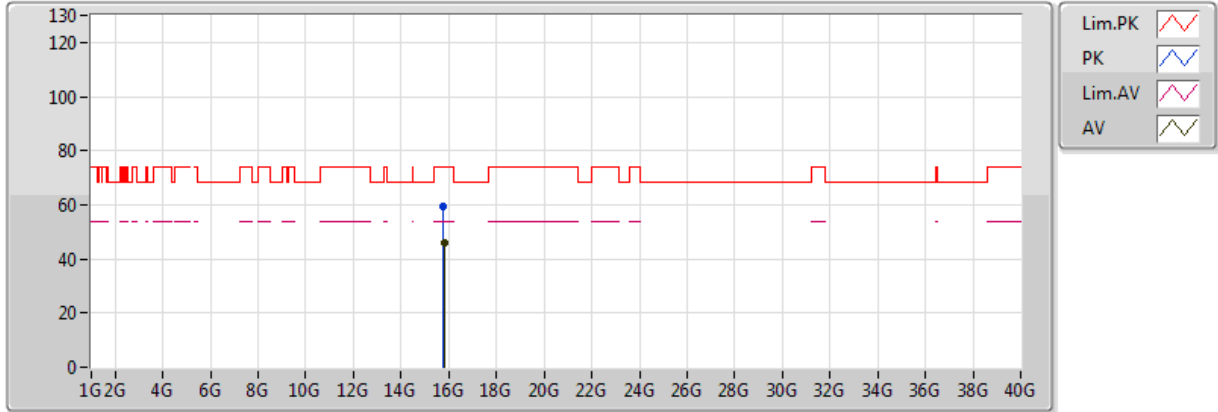


20171101
 EUT_Z_2TX
 Setting 99
 01-J-6
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	15.7944G	46.07	54.00	-7.93	15.50	3	Vertical	59	1.55
PK	15.79464G	60.28	74.00	-13.72	15.50	3	Vertical	59	1.55

802.11n HT20_Nss1,(MCS0)_2TX

5260MHz_TX

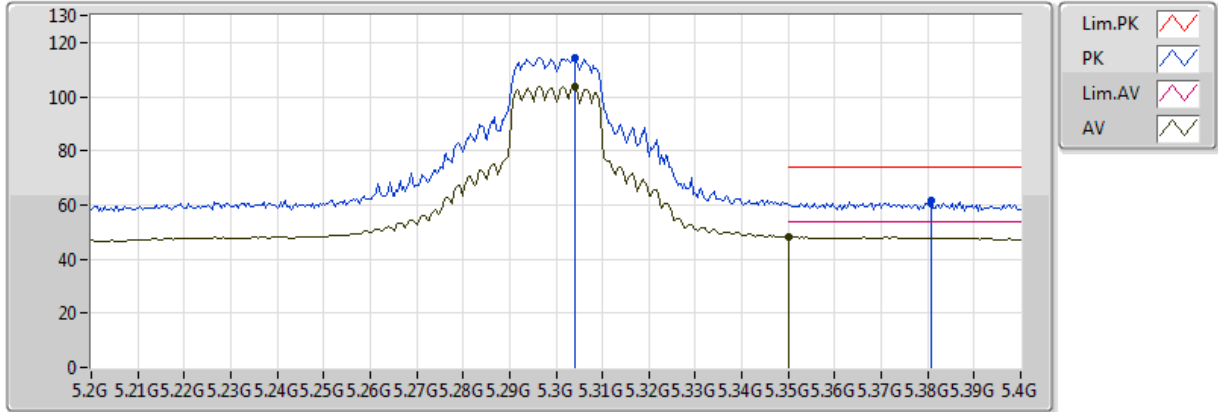


20171101
EUT_Z_2TX
Setting 99
01-J-6
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	15.79206G	46.05	54.00	-7.95	15.50	3	Horizontal	136	1.30
PK	15.78738G	59.60	74.00	-14.40	15.51	3	Horizontal	136	1.30

802.11n HT20_Nss1,(MCS0)_2TX

5300MHz_TX

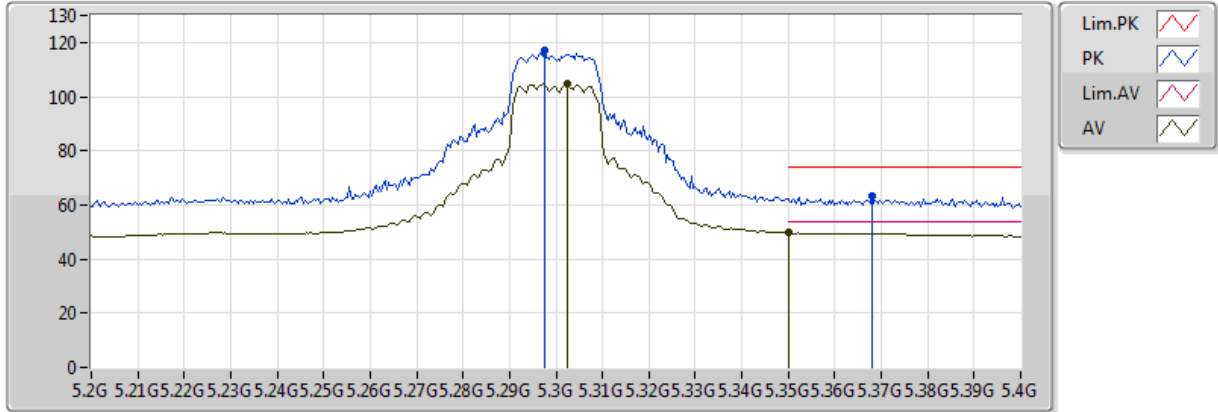


20171101
EUT_Z_2TX
Setting 86
01-J-6-10
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.304G	103.78	Inf	-Inf	5.45	3	Vertical	220	2.97
AV	5.350005G	48.06	54.00	-5.94	5.62	3	Vertical	220	2.97
PK	5.304G	114.23	Inf	-Inf	5.45	3	Vertical	220	2.97
PK	5.3808G	61.60	74.00	-12.40	5.74	3	Vertical	220	2.97

802.11n HT20_Nss1,(MCS0)_2TX

5300MHz_TX

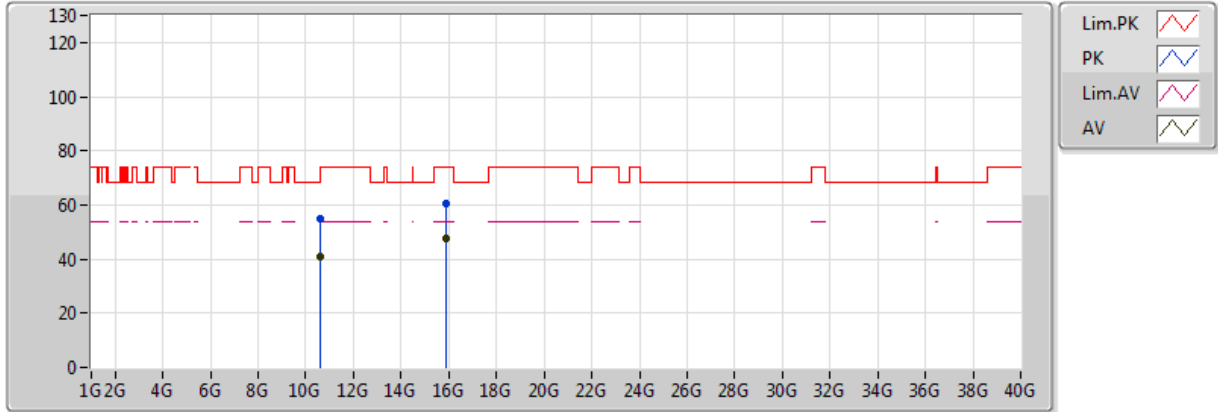


20171101
 EUT_Z_2TX
 Setting 86
 01-J-6-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.3024G	104.59	Inf	-Inf	5.44	3	Horizontal	90	1.27
AV	5.350005G	49.87	54.00	-4.13	5.62	3	Horizontal	90	1.27
PK	5.2976G	116.98	Inf	-Inf	5.42	3	Horizontal	90	1.27
PK	5.368G	63.20	74.00	-10.80	5.69	3	Horizontal	90	1.27

802.11n HT20_Nss1,(MCS0)_2TX

5300MHz_TX

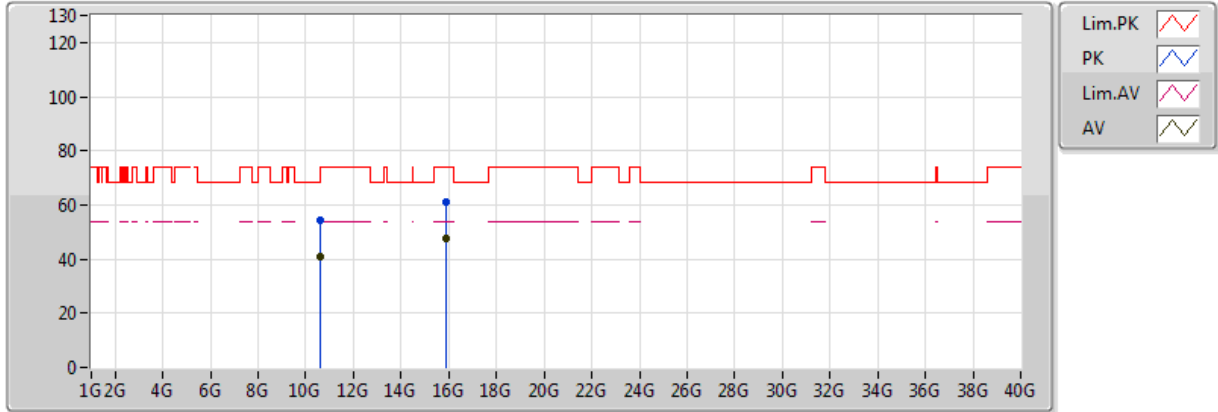


20171101
EUT_Z_2TX
Setting 86
01-J-6
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	10.60318G	41.09	54.00	-12.91	12.82	3	Vertical	157	1.29
AV	15.89564G	47.52	54.00	-6.48	15.35	3	Vertical	39	2.01
PK	10.60349G	54.98	74.00	-19.02	12.82	3	Vertical	157	1.29
PK	15.898G	60.54	74.00	-13.46	15.35	3	Vertical	39	2.01

802.11n HT20_Nss1,(MCS0)_2TX

5300MHz_TX

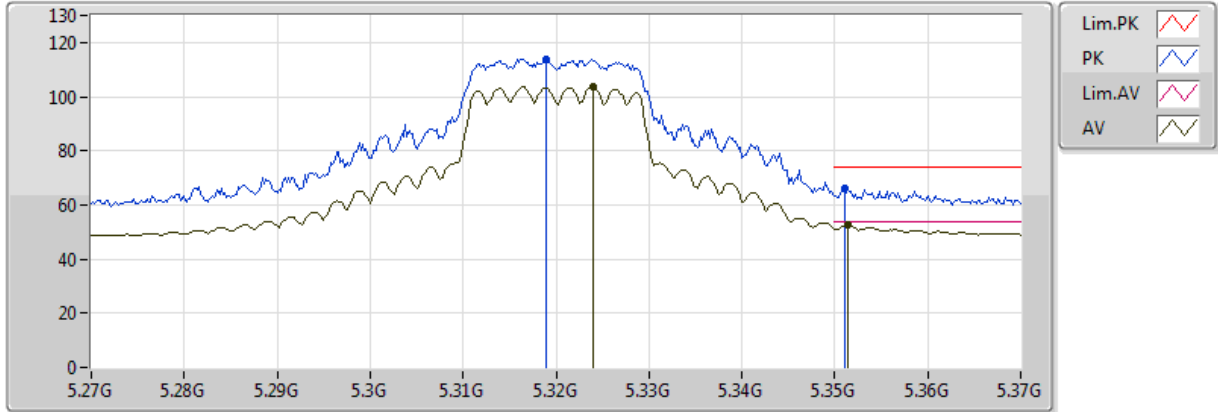


20171101
EUT_Z_2TX
Setting 86
01-J-6
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	10.60421G	41.07	54.00	-12.93	12.82	3	Horizontal	344	1.57
AV	15.89868G	47.39	54.00	-6.61	15.35	3	Horizontal	325	1.32
PK	10.60366G	54.52	74.00	-19.48	12.82	3	Horizontal	344	1.57
PK	15.89496G	61.22	74.00	-12.78	15.35	3	Horizontal	325	1.32

802.11n HT20_Nss1,(MCS0)_2TX

5320MHz_TX

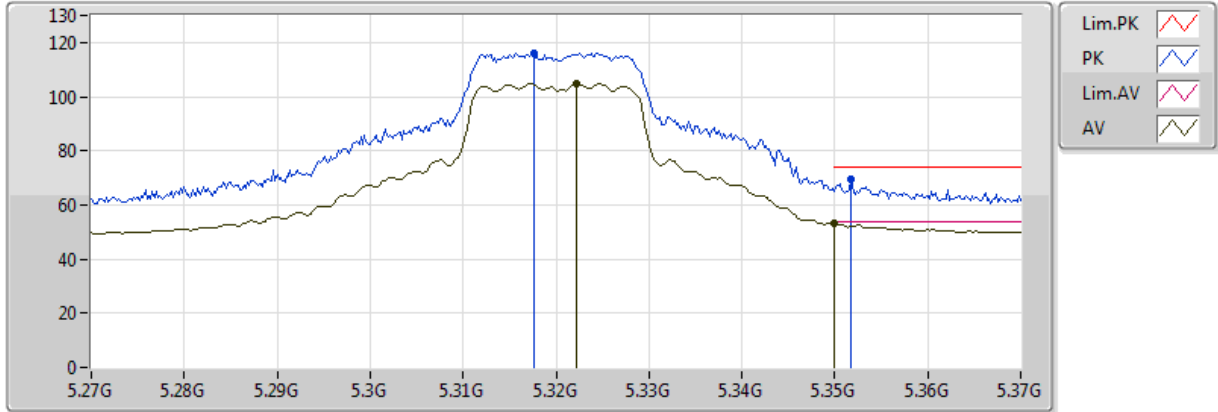


20171101
EUT_Z_2TX
Setting 85
01-J-6-10
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.324G	103.56	Inf	-Inf	5.52	3	Vertical	239	2.50
AV	5.3514G	52.51	54.00	-1.49	5.63	3	Vertical	239	2.50
PK	5.319G	113.99	Inf	-Inf	5.50	3	Vertical	239	2.50
PK	5.351G	66.24	74.00	-7.76	5.62	3	Vertical	239	2.50

802.11n HT20_Nss1,(MCS0)_2TX

5320MHz_TX

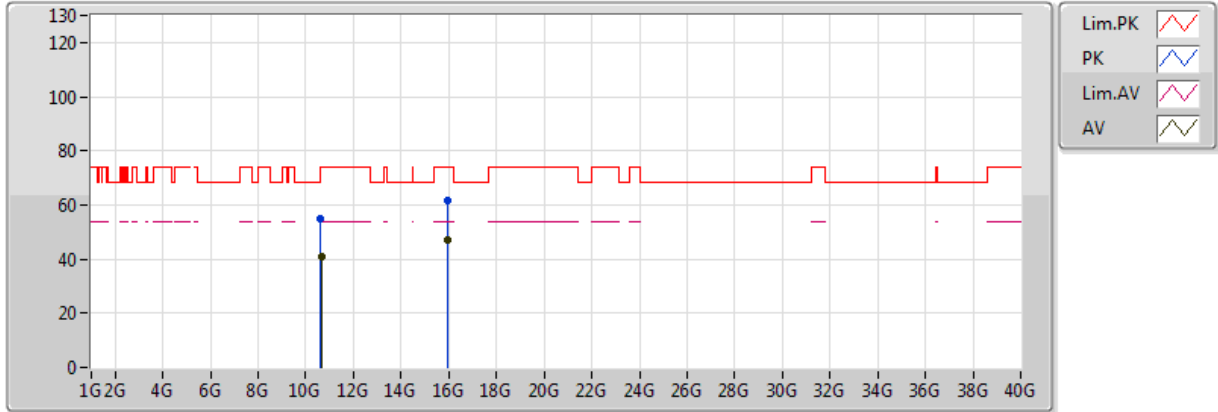


20171101
EUT_Z_2TX
Setting 85
01-J-6-10
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.3222G	104.74	Inf	-Inf	5.51	3	Horizontal	92	1.06
AV	5.350005G	52.97	54.00	-1.03	5.62	3	Horizontal	92	1.06
PK	5.3176G	116.27	Inf	-Inf	5.50	3	Horizontal	92	1.06
PK	5.3518G	69.61	74.00	-4.39	5.63	3	Horizontal	92	1.06

802.11n HT20_Nss1,(MCS0)_2TX

5320MHz_TX

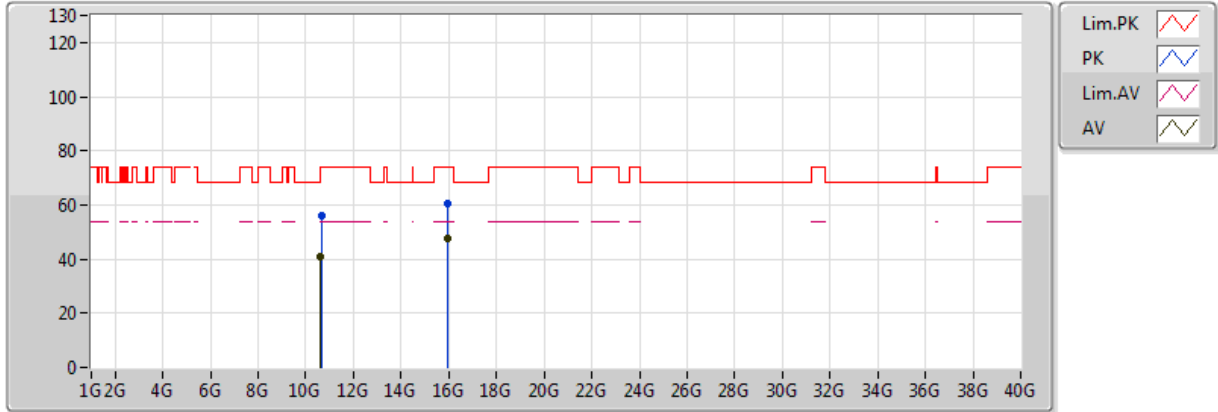


20171101
EUT_Z_2TX
Setting 85
01-J-6
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	10.64318G	41.06	54.00	-12.94	12.85	3	Vertical	155	2.32
AV	15.9674G	47.24	54.00	-6.76	15.25	3	Vertical	261	1.45
PK	10.63706G	55.18	74.00	-18.82	12.85	3	Vertical	155	2.32
PK	15.959G	61.36	74.00	-12.64	15.26	3	Vertical	261	1.45

802.11n HT20_Nss1,(MCS0)_2TX

5320MHz_TX

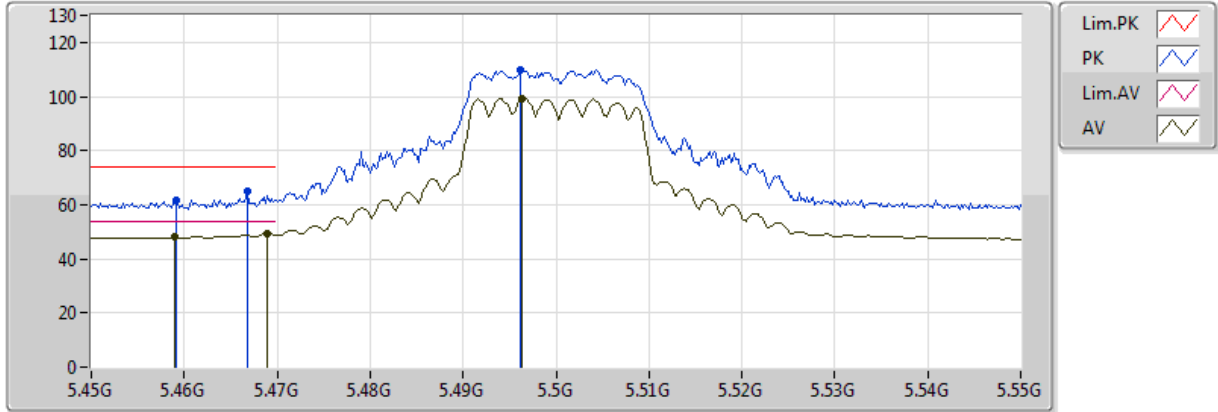


20171101
EUT_Z_2TX
Setting 85
01-J-6
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	10.63238G	40.89	54.00	-13.11	12.84	3	Horizontal	253	1.26
AV	15.9562G	47.45	54.00	-6.55	15.26	3	Horizontal	246	1.43
PK	10.64396G	56.01	74.00	-17.99	12.85	3	Horizontal	253	1.26
PK	15.96824G	60.63	74.00	-13.37	15.25	3	Horizontal	246	1.43

802.11n HT20_Nss1,(MCS0)_2TX

5500MHz_TX

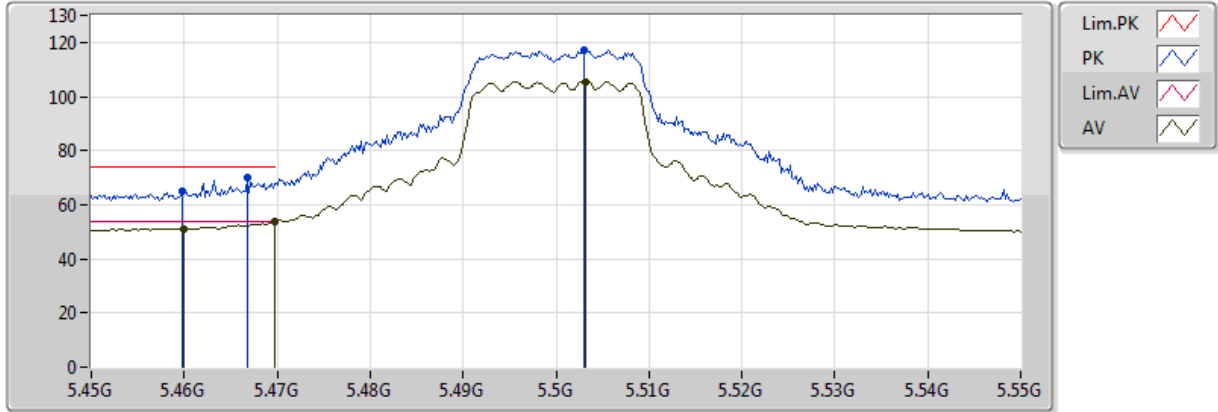


20171102
EUT_Z_2TX
Setting 81
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.459G	47.92	54.00	-6.08	5.93	3	Vertical	220	2.54
AV	5.469G	49.47	54.00	-4.53	5.95	3	Vertical	220	2.54
AV	5.4964G	99.42	Inf	-Inf	6.00	3	Vertical	220	2.54
PK	5.4592G	61.77	74.00	-12.23	5.93	3	Vertical	220	2.54
PK	5.4668G	65.09	74.00	-8.91	5.94	3	Vertical	220	2.54
PK	5.4962G	109.95	Inf	-Inf	6.00	3	Vertical	220	2.54

802.11n HT20_Nss1,(MCS0)_2TX

5500MHz_TX

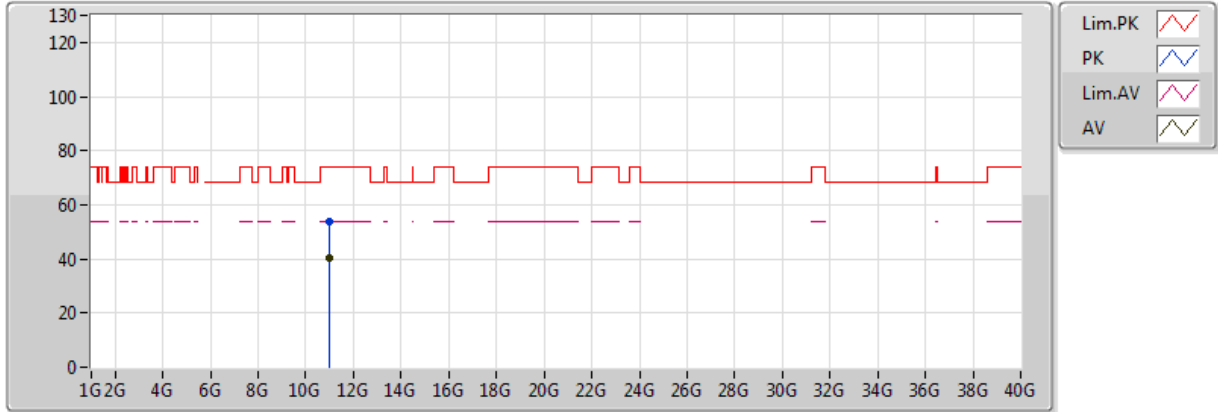


20171102
 EUT_Z_2TX
 Setting 81
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.46G	51.23	54.00	-2.77	5.93	3	Horizontal	93	1.15
AV	5.4698G	53.72	54.00	-0.28	5.95	3	Horizontal	93	1.15
AV	5.5032G	105.54	Inf	-Inf	6.02	3	Horizontal	93	1.15
PK	5.4598G	64.74	74.00	-9.26	5.93	3	Horizontal	93	1.15
PK	5.4668G	69.79	74.00	-4.21	5.94	3	Horizontal	93	1.15
PK	5.503G	117.13	Inf	-Inf	6.02	3	Horizontal	93	1.15

802.11n HT20_Nss1,(MCS0)_2TX

5500MHz_TX

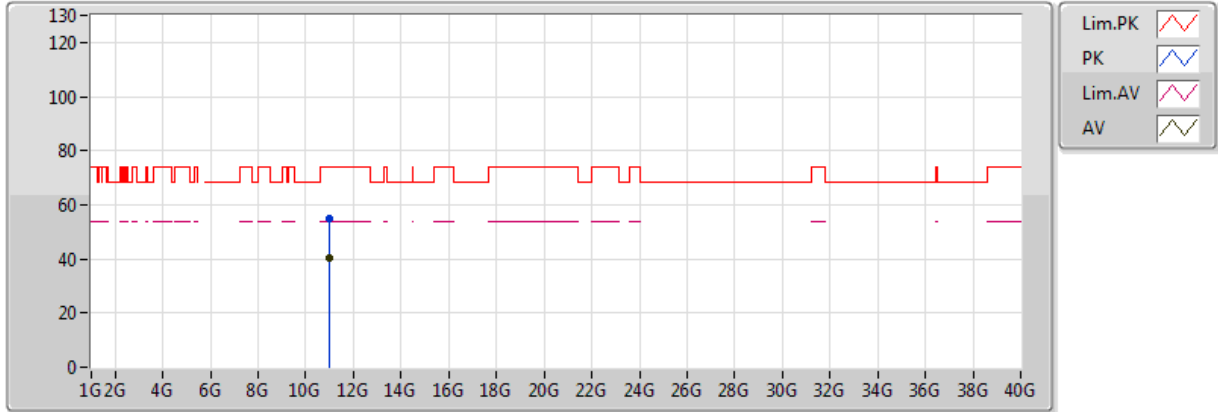


20171102
 EUT_Z_2TX
 Setting 81
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	10.99696G	40.13	54.00	-13.87	13.16	3	Vertical	251	1.06
PK	10.99252G	53.99	74.00	-20.01	13.15	3	Vertical	251	1.06

802.11n HT20_Nss1,(MCS0)_2TX

5500MHz_TX

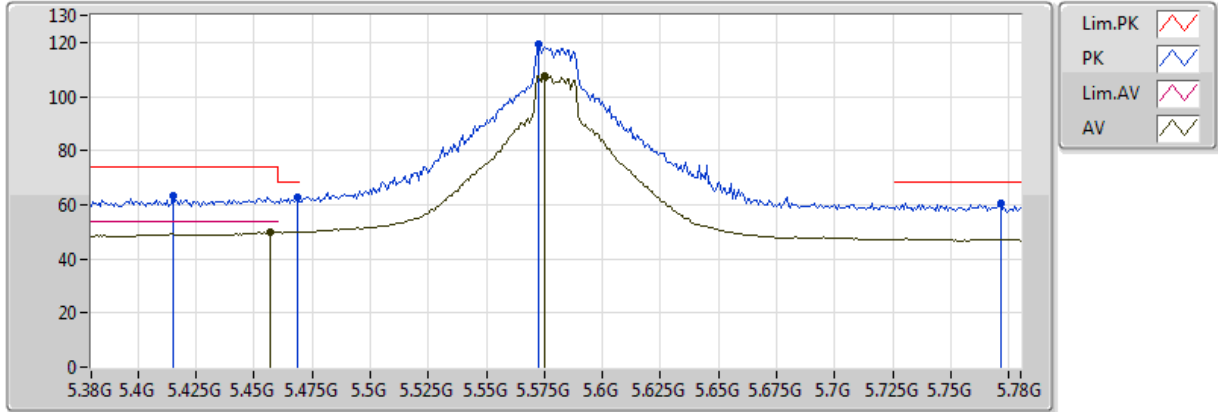


20171102
 EUT_Z_2TX
 Setting 81
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	10.99696G	40.21	54.00	-13.79	13.16	3	Horizontal	280	1.79
PK	11.00732G	54.98	74.00	-19.02	13.16	3	Horizontal	280	1.79

802.11n HT20_Nss1,(MCS0)_2TX

5580MHz_TX

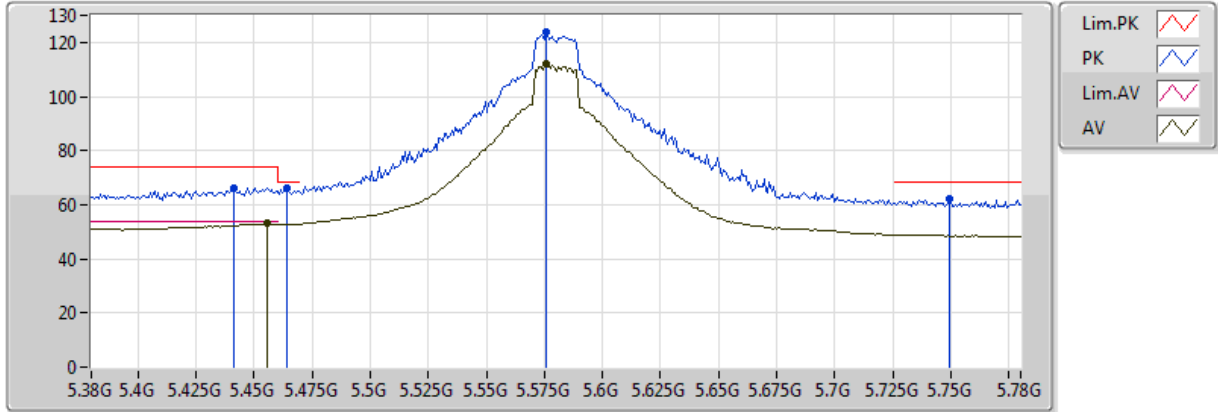


20171102
 EUT_Z_2TX
 Setting 99
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.4568G	49.78	54.00	-4.22	5.92	3	Vertical	219	1.35
AV	5.5752G	107.80	Inf	-Inf	6.23	3	Vertical	219	1.35
PK	5.4152G	63.06	74.00	-10.94	5.84	3	Vertical	219	1.35
PK	5.4688G	62.75	74.00	-11.25	5.95	3	Vertical	219	1.35
PK	5.5728G	119.10	Inf	-Inf	6.22	3	Vertical	219	1.35
PK	5.7712G	60.58	74.00	-13.42	7.05	3	Vertical	219	1.35

802.11n HT20_Nss1,(MCS0)_2TX

5580MHz_TX

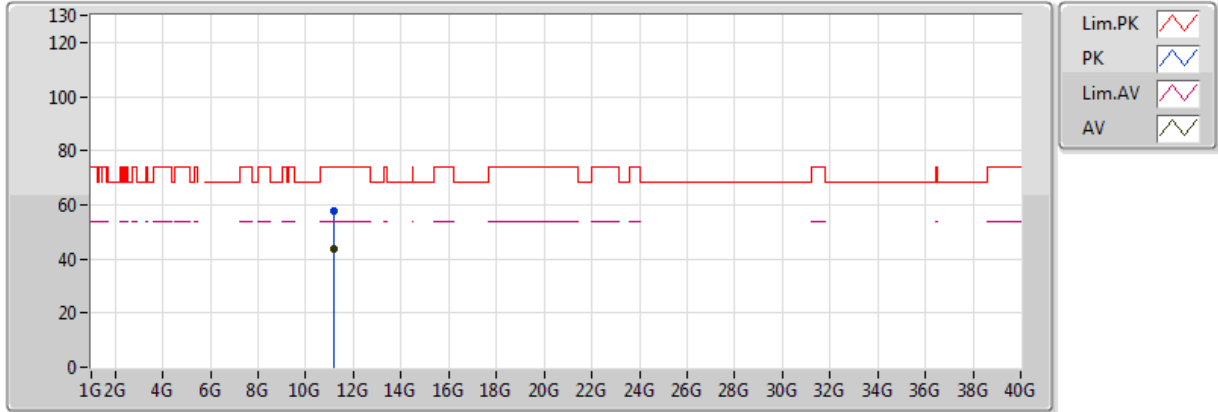


20171102
EUT_Z_2TX
Setting 99
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.456G	53.00	54.00	-1.00	5.92	3	Horizontal	92	1.16
AV	5.576G	111.83	Inf	-Inf	6.23	3	Horizontal	92	1.16
PK	5.4416G	66.16	74.00	-7.84	5.89	3	Horizontal	92	1.16
PK	5.464G	66.40	74.00	-7.60	5.94	3	Horizontal	92	1.16
PK	5.576G	124.04	Inf	-Inf	6.23	3	Horizontal	92	1.16
PK	5.7496G	61.96	74.00	-12.04	6.95	3	Horizontal	92	1.16

802.11n HT20_Nss1,(MCS0)_2TX

5580MHz_TX

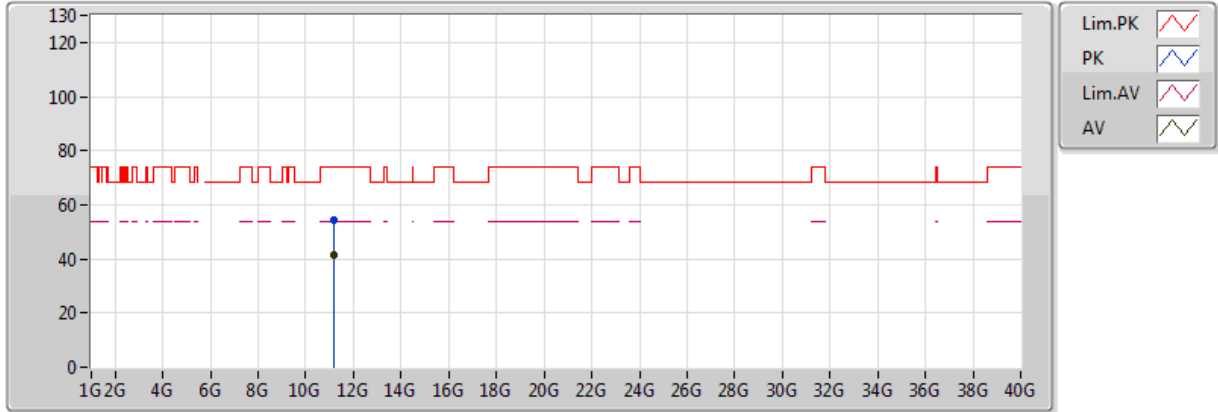


20171102
 EUT_Z_2TX
 Setting 99
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.15828G	43.92	54.00	-10.08	13.20	3	Vertical	128	1.84
PK	11.15764G	57.49	74.00	-16.51	13.20	3	Vertical	128	1.84

802.11n HT20_Nss1,(MCS0)_2TX

5580MHz_TX

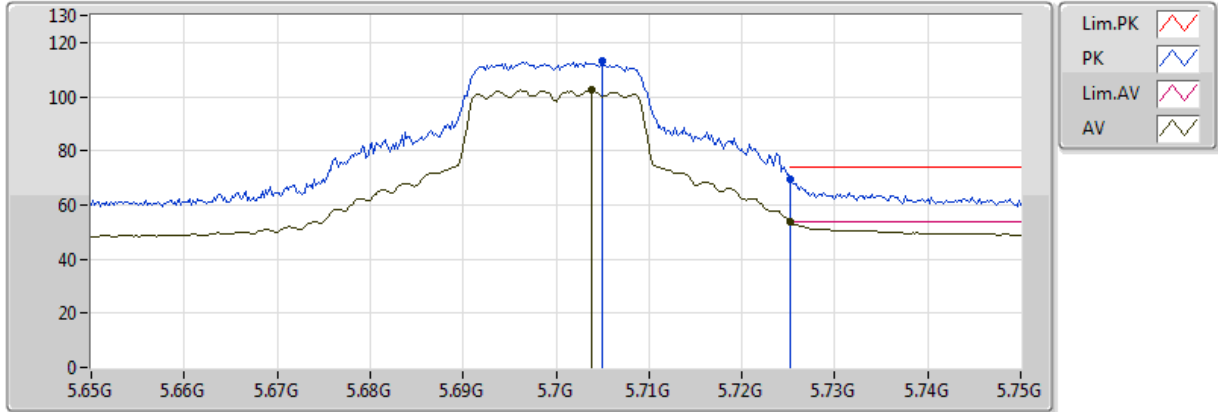


20171102
 EUT_Z_2TX
 Setting 99
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.1624G	41.28	54.00	-12.72	13.20	3	Horizontal	122	1.26
PK	11.1548G	54.25	74.00	-19.75	13.20	3	Horizontal	122	1.26

802.11n HT20_Nss1,(MCS0)_2TX

5700MHz_TX

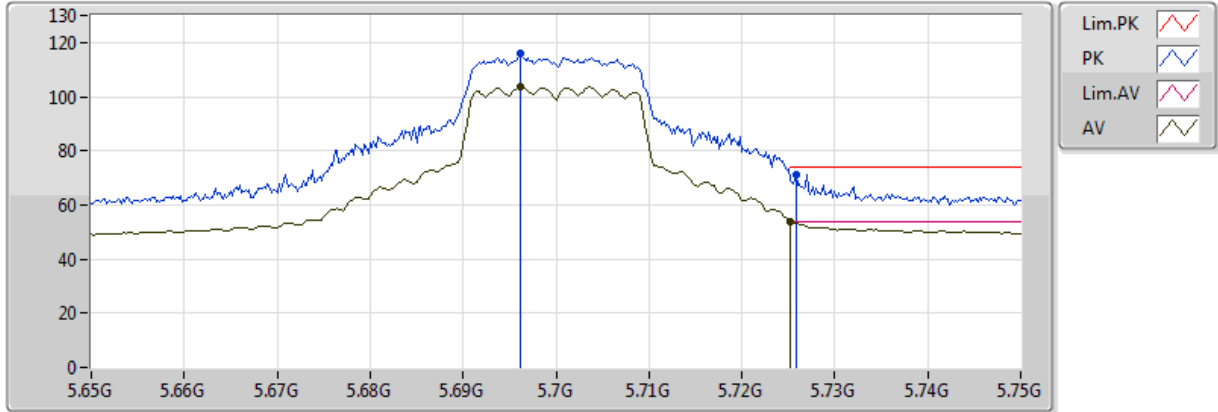


20171102
 EUT Z_2TX
 Setting 80
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.7038G	102.39	Inf	-Inf	6.76	3	Vertical	260	1.09
AV	5.7252G	53.60	54.00	-0.40	6.85	3	Vertical	260	1.09
PK	5.705G	113.37	Inf	-Inf	6.76	3	Vertical	260	1.09
PK	5.7252G	69.35	74.00	-4.65	6.85	3	Vertical	260	1.09

802.11n HT20_Nss1,(MCS0)_2TX

5700MHz_TX

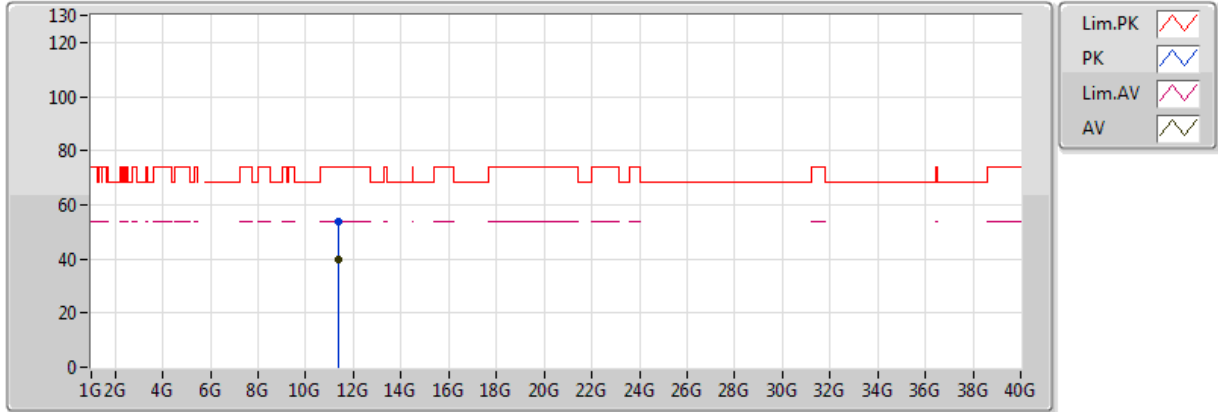


20171102
EUT Z_2TX
Setting 80
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.6962G	103.74	Inf	-Inf	6.72	3	Horizontal	91	1.17
AV	5.7252G	53.59	54.00	-0.41	6.85	3	Horizontal	91	1.17
PK	5.6962G	115.97	Inf	-Inf	6.72	3	Horizontal	91	1.17
PK	5.7258G	71.43	74.00	-2.57	6.85	3	Horizontal	91	1.17

802.11n HT20_Nss1,(MCS0)_2TX

5700MHz_TX

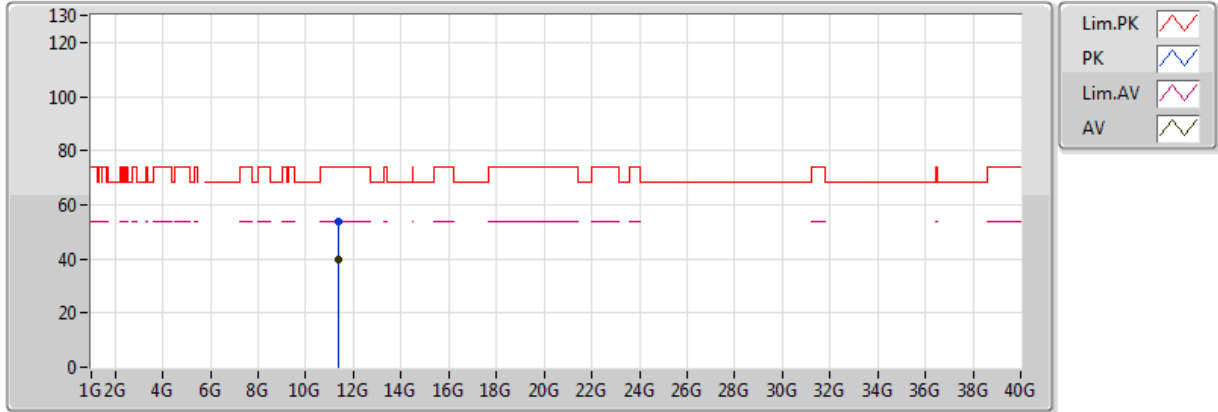


20171102
 EUT_Z_2TX
 Setting 80
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.39476G	39.92	54.00	-14.08	13.25	3	Vertical	309	1.02
PK	11.39164G	53.65	74.00	-20.35	13.25	3	Vertical	309	1.02

802.11n HT20_Nss1,(MCS0)_2TX

5700MHz_TX

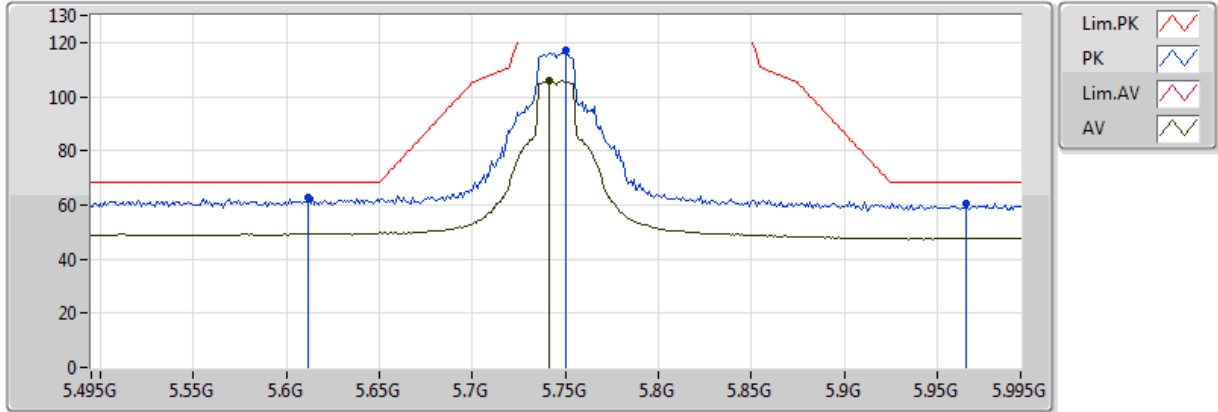


20171102
 EUT_Z_2TX
 Setting 80
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.39764G	39.98	54.00	-14.02	13.26	3	Horizontal	37	1.65
PK	11.39612G	54.03	74.00	-19.97	13.26	3	Horizontal	37	1.65

802.11n HT20_Nss1,(MCS0)_2TX

5745MHz_TX

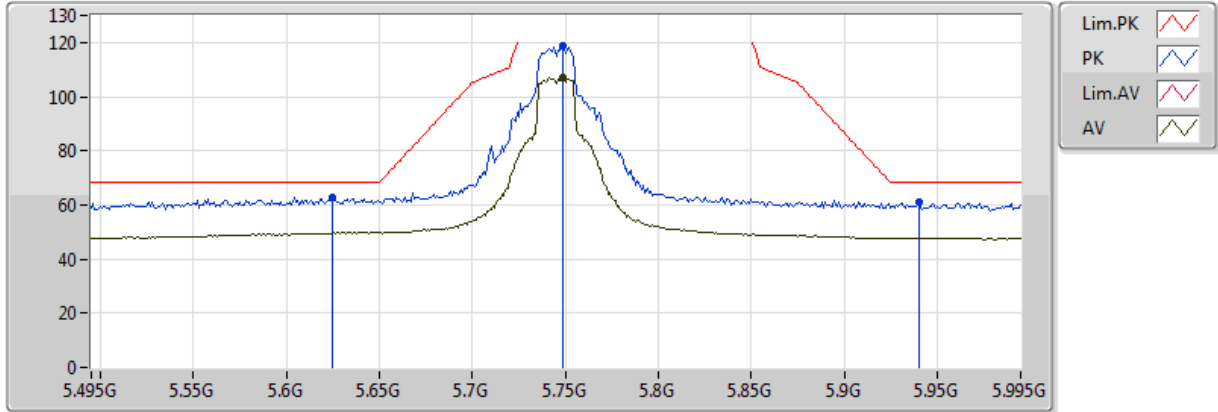


20171102
EUT_Z_2TX
Setting 99
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.741G	106.16	Inf	-Inf	6.92	3	Vertical	260	1.08
PK	5.612G	63.01	68.20	-5.19	6.35	3	Vertical	260	1.08
PK	5.75G	116.97	Inf	-Inf	6.95	3	Vertical	260	1.08
PK	5.966G	60.76	68.20	-7.44	7.53	3	Vertical	260	1.08

802.11n HT20_Nss1,(MCS0)_2TX

5745MHz_TX

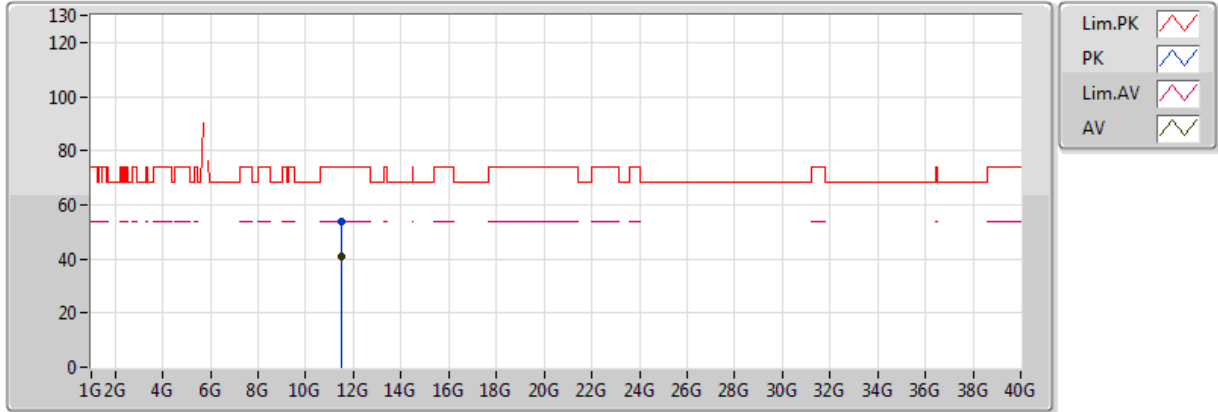


20171102
EUT_Z_2TX
Setting 99
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.749G	107.19	Inf	-Inf	6.95	3	Horizontal	93	1.05
PK	5.625G	62.64	68.20	-5.56	6.41	3	Horizontal	93	1.05
PK	5.749G	118.64	Inf	-Inf	6.95	3	Horizontal	93	1.05
PK	5.94G	60.83	68.20	-7.37	7.47	3	Horizontal	93	1.05

802.11n HT20_Nss1,(MCS0)_2TX

5745MHz_TX

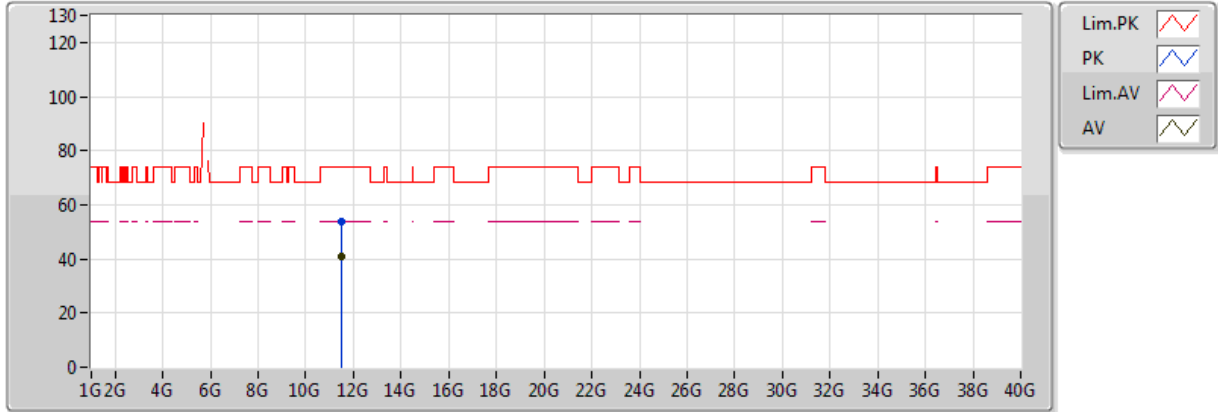


20171102
 EUT_Z_2TX
 Setting 99
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.4966G	41.05	54.00	-12.95	13.28	3	Vertical	120	1.67
PK	11.48808G	53.72	74.00	-20.28	13.28	3	Vertical	120	1.67

802.11n HT20_Nss1,(MCS0)_2TX

5745MHz_TX

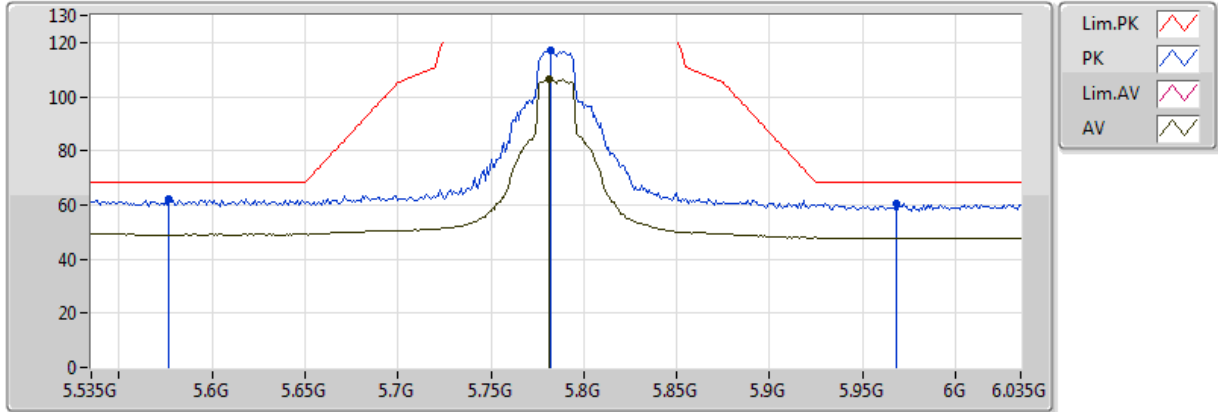


20171102
EUT_Z_2TX
Setting 99
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.49128G	41.04	54.00	-12.96	13.28	3	Horizontal	79	1.21
PK	11.49648G	53.91	74.00	-20.09	13.28	3	Horizontal	79	1.21

802.11n HT20_Nss1,(MCS0)_2TX

5785MHz_TX

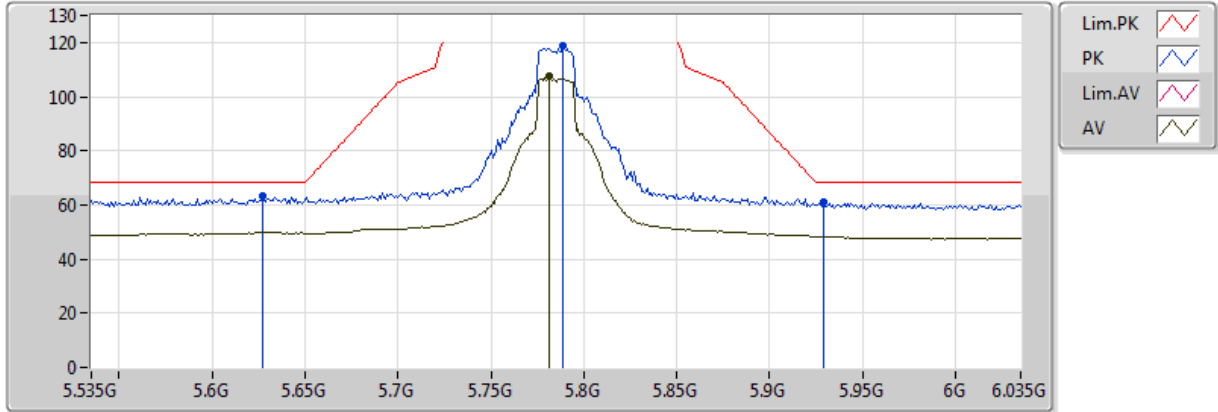


20171102
EUT_Z_2TX
Setting 99
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.781G	106.53	Inf	-Inf	7.09	3	Vertical	262	1.16
PK	5.577G	62.17	68.20	-6.03	6.23	3	Vertical	262	1.16
PK	5.782G	117.33	Inf	-Inf	7.09	3	Vertical	262	1.16
PK	5.968G	60.60	68.20	-7.60	7.53	3	Vertical	262	1.16

802.11n HT20_Nss1,(MCS0)_2TX

5785MHz_TX

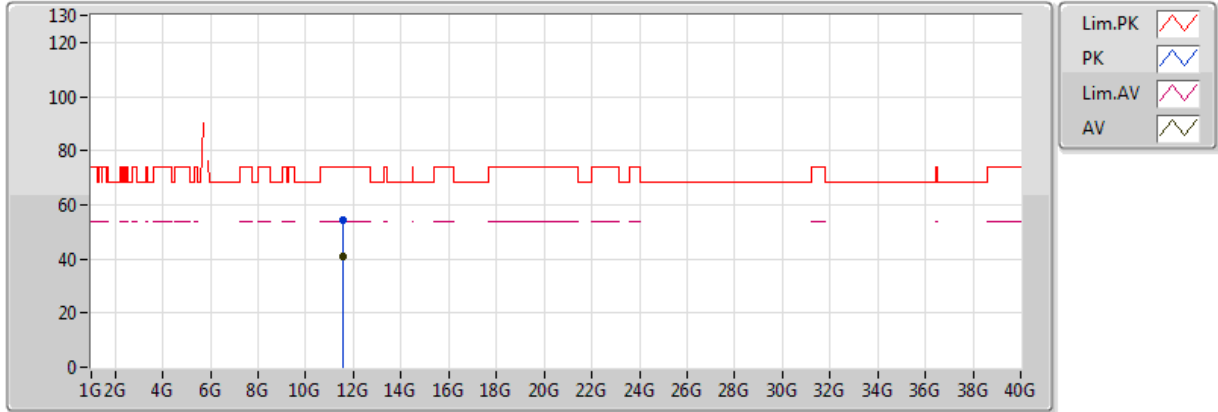


20171102
EUT_Z_2TX
Setting 99
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.781G	107.34	Inf	-Inf	7.09	3	Horizontal	91	1.13
PK	5.627G	63.37	68.20	-4.83	6.42	3	Horizontal	91	1.13
PK	5.789G	118.72	Inf	-Inf	7.12	3	Horizontal	91	1.13
PK	5.929G	61.19	68.20	-7.01	7.44	3	Horizontal	91	1.13

802.11n HT20_Nss1,(MCS0)_2TX

5785MHz_TX

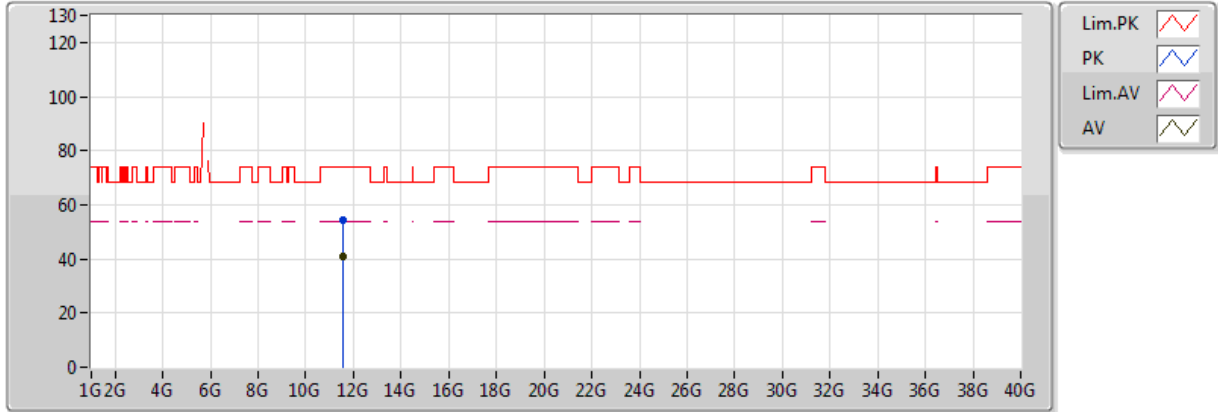


20171102
 EUT_Z_2TX
 Setting 99
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.56696G	40.91	54.00	-13.09	13.30	3	Vertical	17	1.23
PK	11.5638G	54.09	74.00	-19.91	13.30	3	Vertical	17	1.23

802.11n HT20_Nss1,(MCS0)_2TX

5785MHz_TX

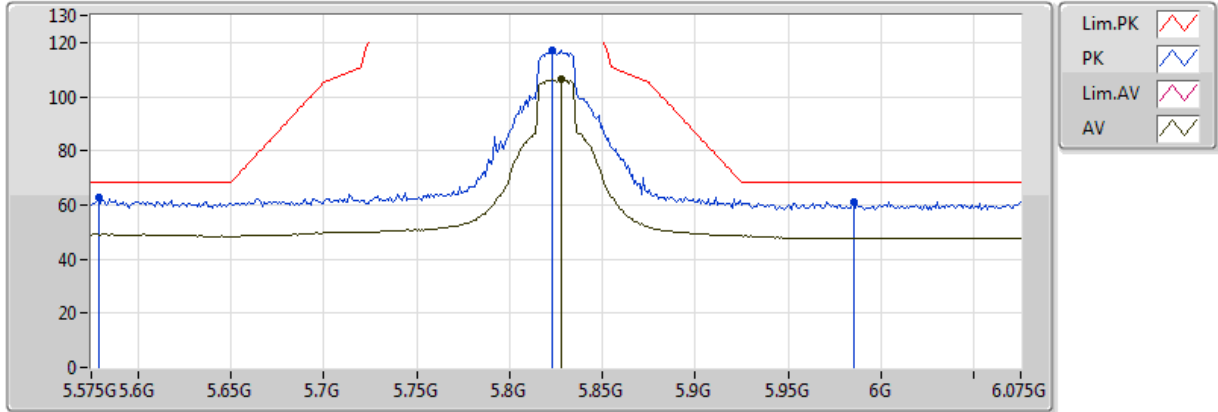


20171102
EUT_Z_2TX
Setting 99
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.56368G	40.81	54.00	-13.19	13.30	3	Horizontal	222	1.04
PK	11.57856G	54.23	74.00	-19.77	13.30	3	Horizontal	222	1.04

802.11n HT20_Nss1,(MCS0)_2TX

5825MHz_TX

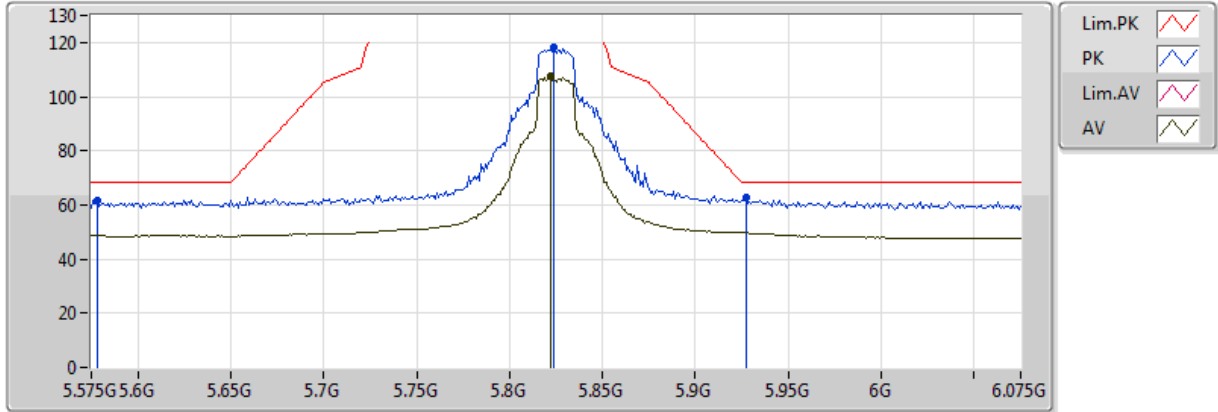


20171102
 EUT_Z_2TX
 Setting 99
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.828G	106.67	Inf	-Inf	7.23	3	Vertical	262	1.03
PK	5.579G	62.59	68.20	-5.61	6.24	3	Vertical	262	1.03
PK	5.823G	117.39	Inf	-Inf	7.22	3	Vertical	262	1.03
PK	5.985G	61.15	68.20	-7.05	7.57	3	Vertical	262	1.03

802.11n HT20_Nss1,(MCS0)_2TX

5825MHz_TX

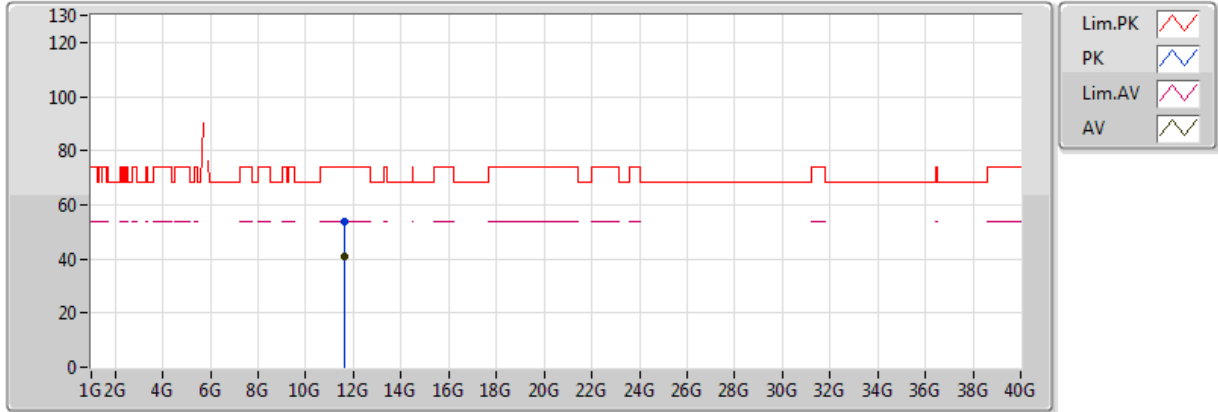


20171102
EUT_Z_2TX
Setting 99
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.822G	107.50	Inf	-Inf	7.22	3	Horizontal	92	1.24
PK	5.578G	61.75	68.20	-6.45	6.24	3	Horizontal	92	1.24
PK	5.824G	118.17	Inf	-Inf	7.22	3	Horizontal	92	1.24
PK	5.927G	62.87	68.20	-5.33	7.44	3	Horizontal	92	1.24

802.11n HT20_Nss1,(MCS0)_2TX

5825MHz_TX

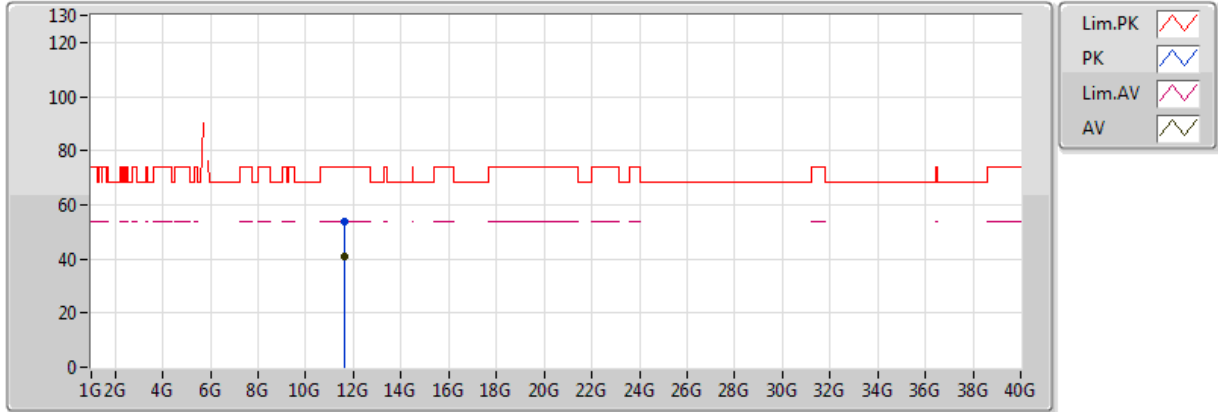


20171102
EUT_Z_2TX
Setting 99
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.65616G	40.99	54.00	-13.01	13.32	3	Vertical	58	1.35
PK	11.64524G	54.02	74.00	-19.98	13.31	3	Vertical	58	1.35

802.11n HT20_Nss1,(MCS0)_2TX

5825MHz_TX

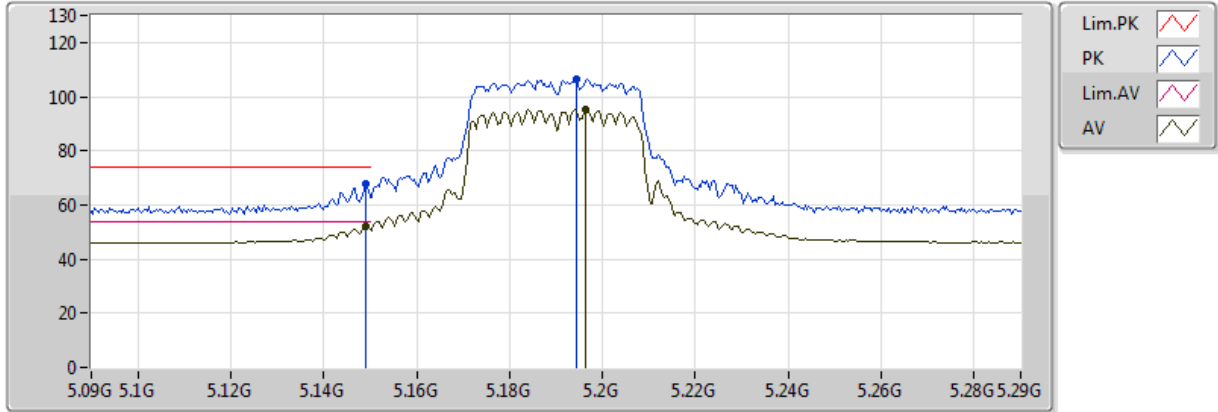


20171102
 EUT_Z_2TX
 Setting 99
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.65364G	40.95	54.00	-13.05	13.32	3	Horizontal	147	2.09
PK	11.64964G	54.01	74.00	-19.99	13.32	3	Horizontal	147	2.09

802.11n HT40_Nss1,(MCS0)_2TX

5190MHz_TX

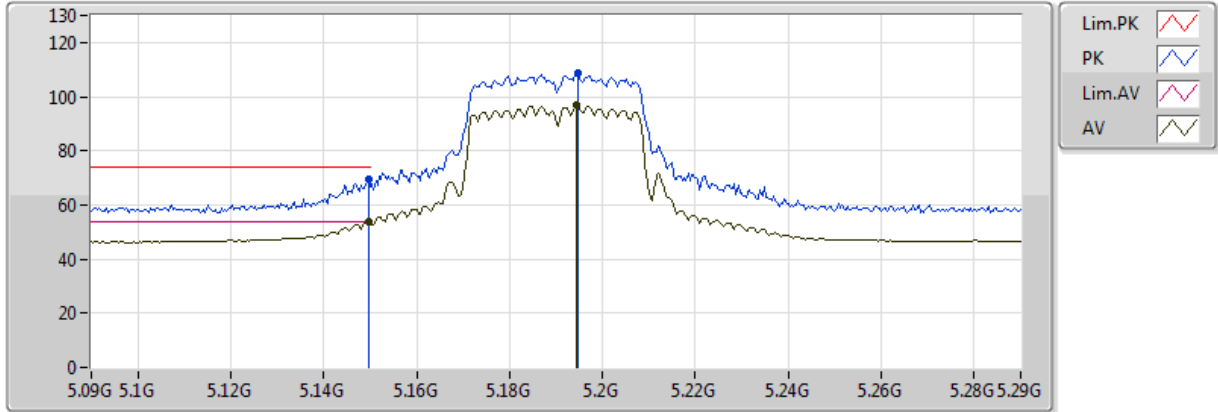


20171102
EUT_Z_2TX
Setting 65
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.1492G	52.26	54.00	-1.74	4.93	3	Vertical	237	2.33
AV	5.1964G	95.23	Inf	-Inf	4.99	3	Vertical	237	2.33
PK	5.1492G	67.65	74.00	-6.35	4.93	3	Vertical	237	2.33
PK	5.1944G	106.37	Inf	-Inf	4.98	3	Vertical	237	2.33

802.11n HT40_Nss1,(MCS0)_2TX

5190MHz_TX

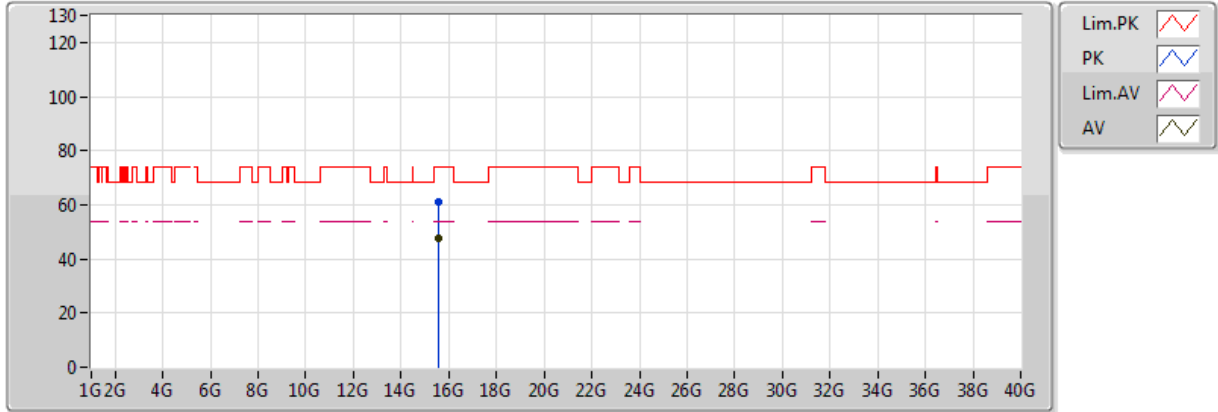


20171102
 EUT_Z_2TX
 Setting 65
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.1496G	53.83	54.00	-0.17	4.93	3	Horizontal	90	1.13
AV	5.1944G	96.76	Inf	-Inf	4.98	3	Horizontal	90	1.13
PK	5.1496G	69.39	74.00	-4.61	4.93	3	Horizontal	90	1.13
PK	5.1948G	108.85	Inf	-Inf	4.98	3	Horizontal	90	1.13

802.11n HT40_Nss1,(MCS0)_2TX

5190MHz_TX

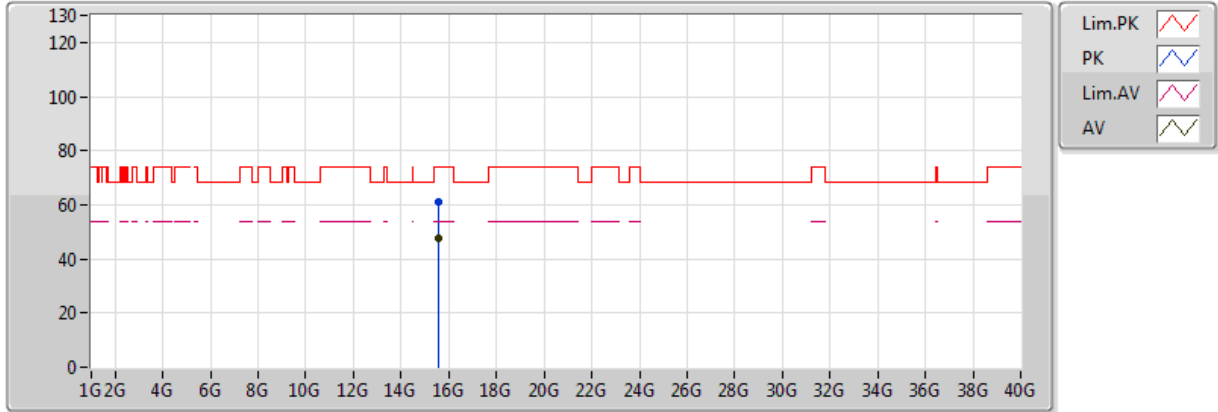


20171102
 EUT_Z_2TX
 Setting 65
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	15.57956G	47.80	54.00	-6.20	15.81	3	Vertical	330	1.89
PK	15.57976G	61.24	74.00	-12.76	15.81	3	Vertical	330	1.89

802.11n HT40_Nss1,(MCS0)_2TX

5190MHz_TX

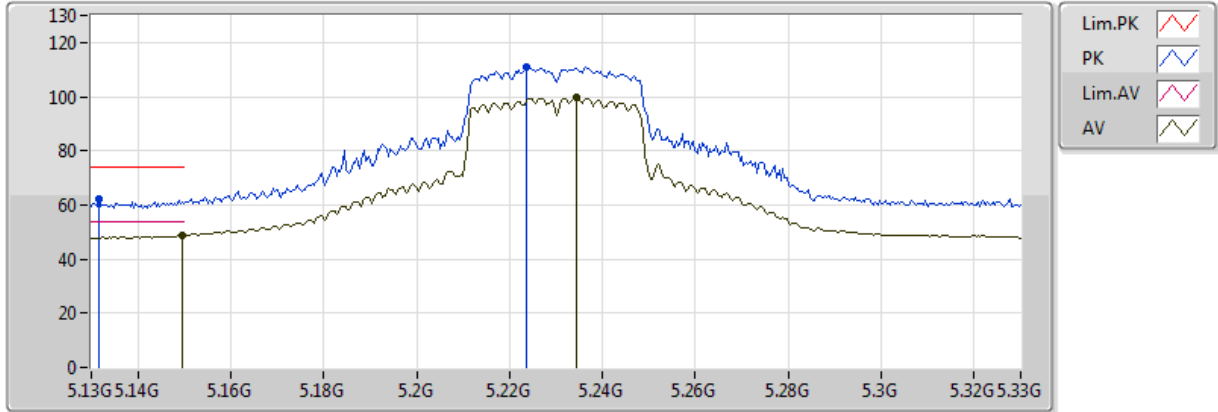


20171102
EUT_Z_2TX
Setting 65
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	15.5782G	47.76	54.00	-6.24	15.81	3	Horizontal	9	1.97
PK	15.5676G	60.89	74.00	-13.11	15.82	3	Horizontal	9	1.97

802.11n HT40_Nss1,(MCS0)_2TX

5230MHz_TX

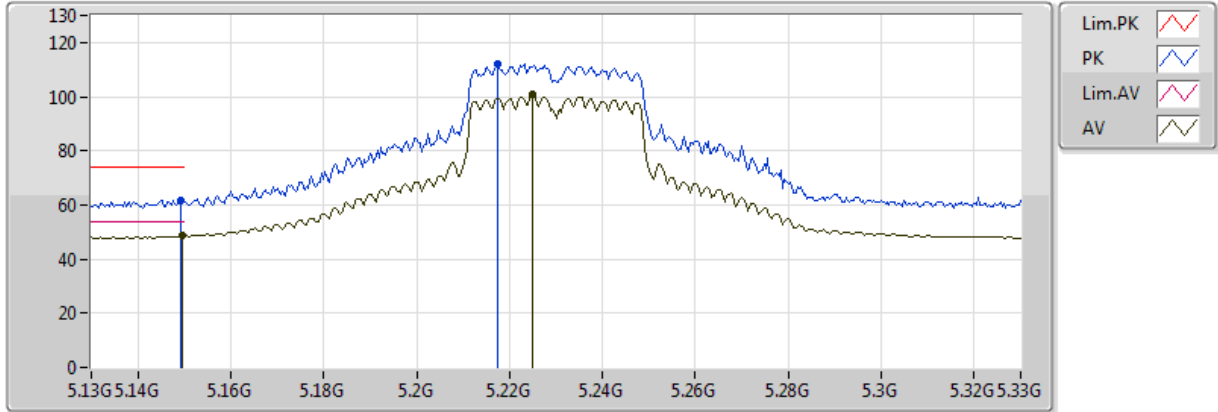


20171102
EUT_Z_2TX
Setting 85
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.1496G	48.80	54.00	-5.20	4.93	3	Vertical	254	1.09
AV	5.2344G	99.79	Inf	-Inf	5.14	3	Vertical	254	1.09
PK	5.1316G	61.99	74.00	-12.01	4.91	3	Vertical	254	1.09
PK	5.2236G	110.92	Inf	-Inf	5.09	3	Vertical	254	1.09

802.11n HT40_Nss1,(MCS0)_2TX

5230MHz_TX

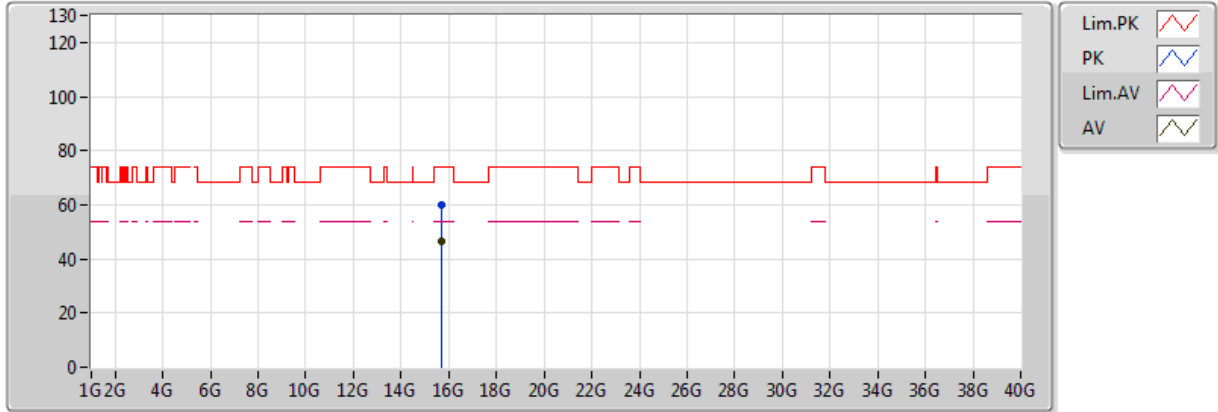


20171102
 EUT_Z_2TX
 Setting 85
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.1496G	48.59	54.00	-5.41	4.93	3	Horizontal	238	2.77
AV	5.2248G	100.68	Inf	-Inf	5.10	3	Horizontal	238	2.77
PK	5.1492G	61.80	74.00	-12.20	4.93	3	Horizontal	238	2.77
PK	5.2176G	112.23	Inf	-Inf	5.07	3	Horizontal	238	2.77

802.11n HT40_Nss1,(MCS0)_2TX

5230MHz_TX

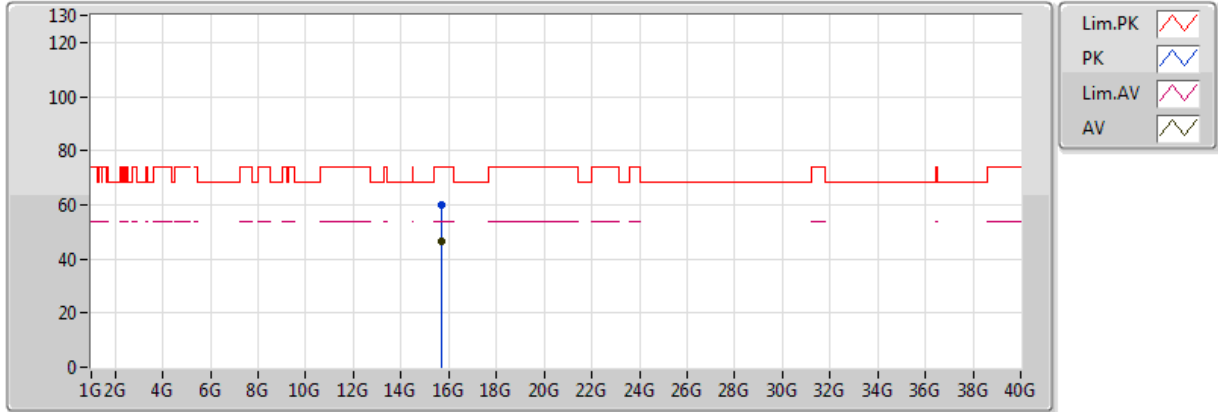


20171102
 EUT_Z_2TX
 Setting 85
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	15.69952G	46.77	54.00	-7.23	15.63	3	Vertical	211	1.66
PK	15.68108G	59.82	74.00	-14.18	15.66	3	Vertical	211	1.66

802.11n HT40_Nss1,(MCS0)_2TX

5230MHz_TX

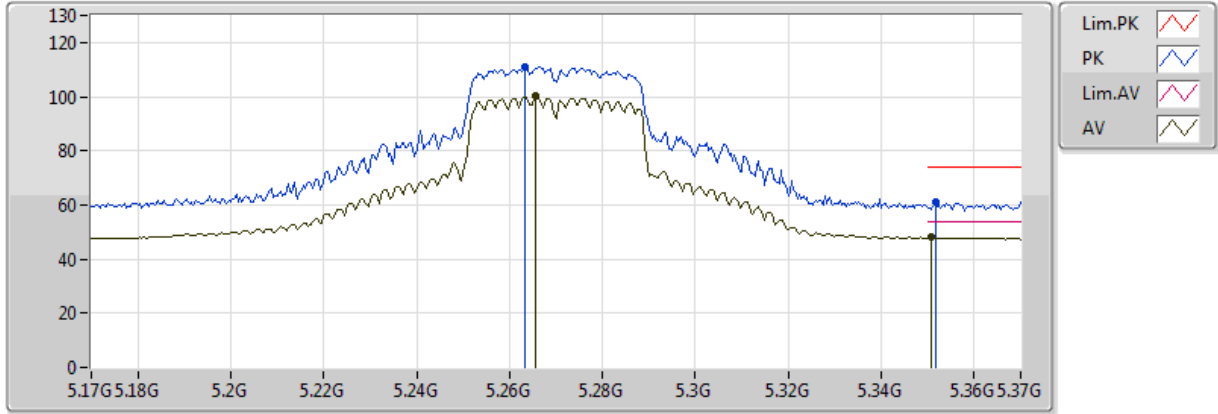


20171102
 EUT_Z_2TX
 Setting 85
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	15.68804G	46.72	54.00	-7.28	15.65	3	Horizontal	94	1.87
PK	15.69836G	60.12	74.00	-13.88	15.63	3	Horizontal	94	1.87

802.11n HT40_Nss1,(MCS0)_2TX

5270MHz_TX

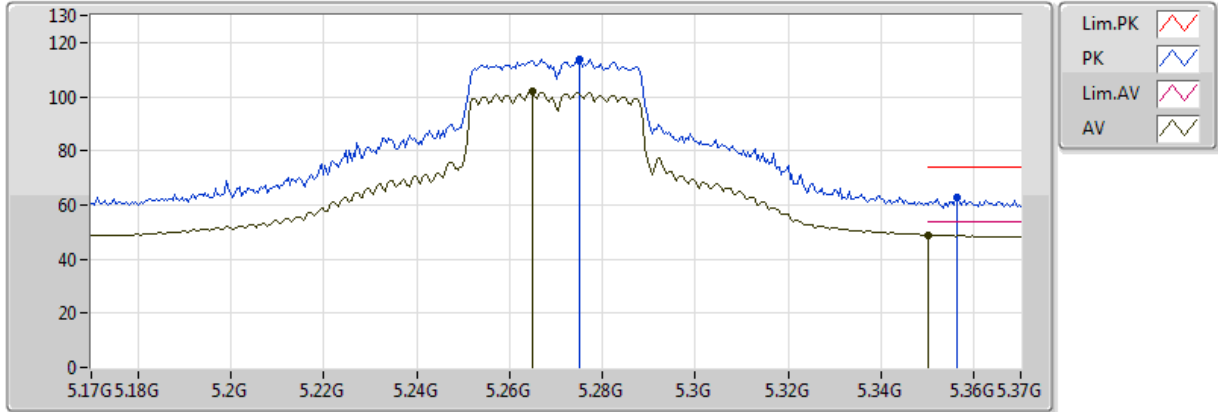


20171102
 EUT_Z_2TX
 Setting 86
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.2656G	100.09	Inf	-Inf	5.28	3	Vertical	256	2.98
AV	5.3508G	47.94	54.00	-6.06	5.62	3	Vertical	256	2.98
PK	5.2632G	110.93	Inf	-Inf	5.27	3	Vertical	256	2.98
PK	5.3516G	60.90	74.00	-13.10	5.63	3	Vertical	256	2.98

802.11n HT40_Nss1,(MCS0)_2TX

5270MHz_TX

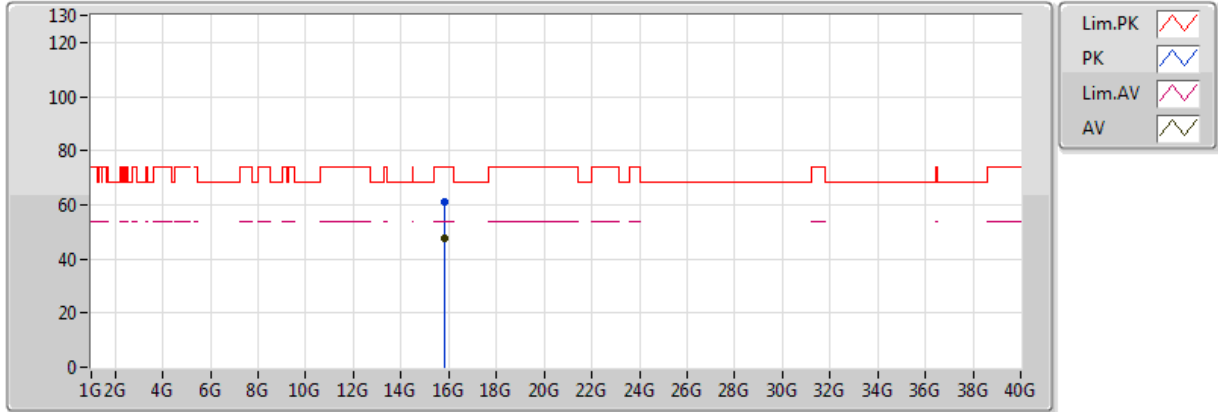


20171102
EUT_Z_2TX
Setting 86
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.2648G	101.83	Inf	-Inf	5.28	3	Horizontal	91	1.15
AV	5.350005G	48.95	54.00	-5.05	5.62	3	Horizontal	91	1.15
PK	5.2752G	113.94	Inf	-Inf	5.32	3	Horizontal	91	1.15
PK	5.3564G	62.84	74.00	-11.16	5.64	3	Horizontal	91	1.15

802.11n HT40_Nss1,(MCS0)_2TX

5270MHz_TX

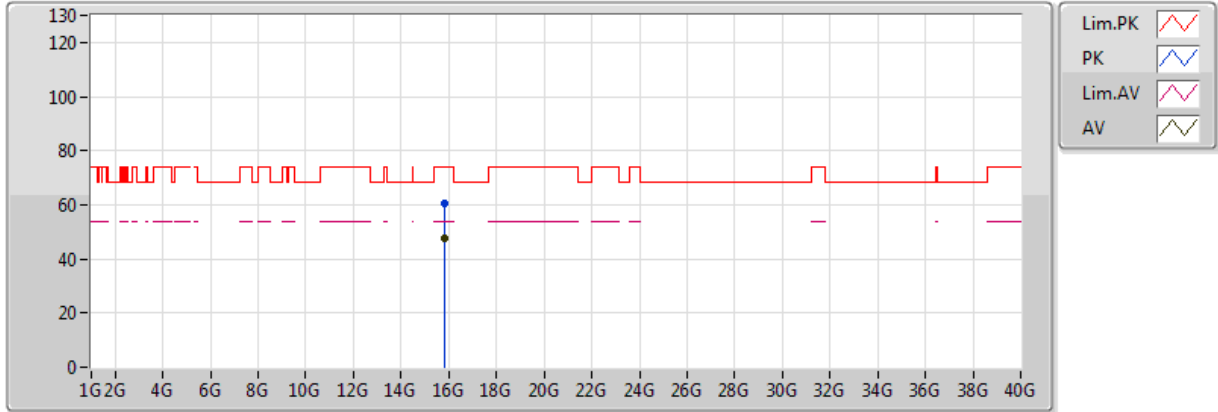


20171102
 EUT_Z_2TX
 Setting 86
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	15.81768G	47.41	54.00	-6.59	15.46	3	Vertical	70	2.10
PK	15.81284G	61.34	74.00	-12.66	15.47	3	Vertical	70	2.10

802.11n HT40_Nss1,(MCS0)_2TX

5270MHz_TX

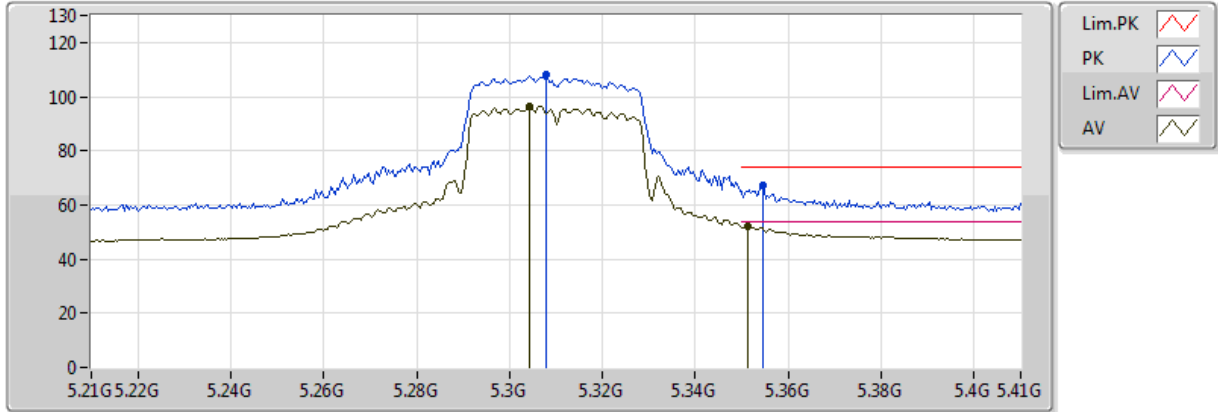


20171102
EUT_Z_2TX
Setting 86
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	15.81964G	47.37	54.00	-6.63	15.46	3	Horizontal	25	1.08
PK	15.80956G	60.52	74.00	-13.48	15.47	3	Horizontal	25	1.08

802.11n HT40_Nss1,(MCS0)_2TX

5310MHz_TX

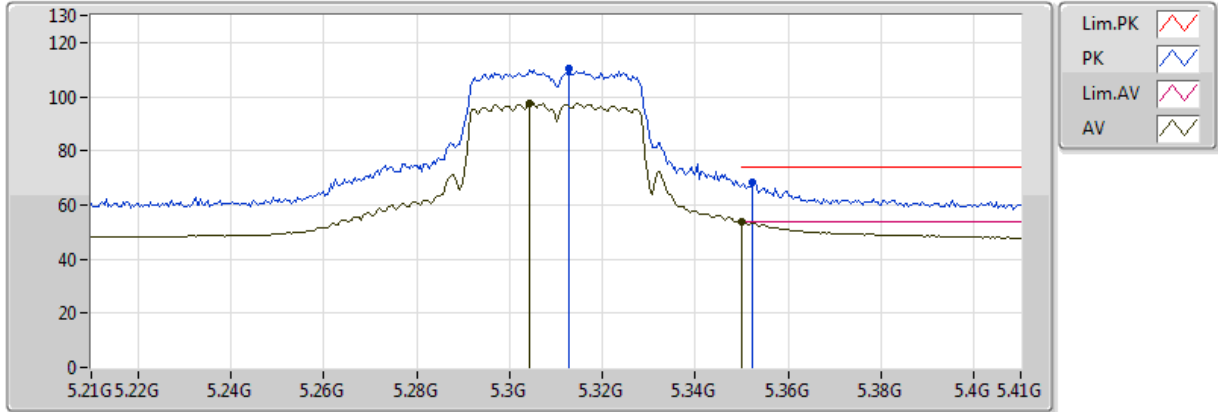


20171102
EUT_Z_2TX
Setting 69
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.3044G	96.43	Inf	-Inf	5.45	3	Vertical	251	1.06
AV	5.3512G	51.91	54.00	-2.09	5.62	3	Vertical	251	1.06
PK	5.308G	107.92	Inf	-Inf	5.46	3	Vertical	251	1.06
PK	5.3544G	67.10	74.00	-6.90	5.64	3	Vertical	251	1.06

802.11n HT40_Nss1,(MCS0)_2TX

5310MHz_TX

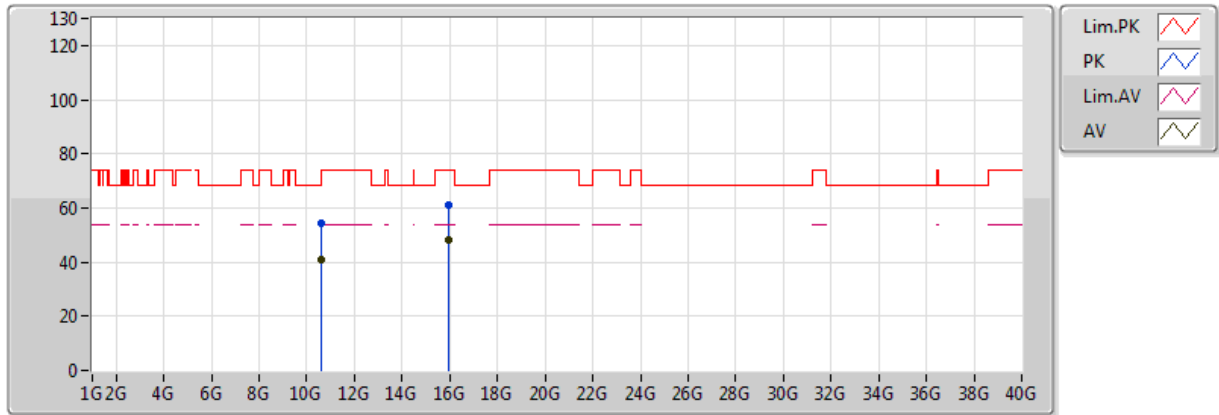


20171102
EUT_Z_2TX
Setting 69
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.3044G	97.77	Inf	-Inf	5.45	3	Horizontal	337	2.37
AV	5.350005G	53.99	54.00	-0.01	5.62	3	Horizontal	337	2.37
PK	5.3128G	110.61	Inf	-Inf	5.48	3	Horizontal	337	2.37
PK	5.3524G	68.37	74.00	-5.63	5.63	3	Horizontal	337	2.37

802.11n HT40_Nss1,(MCS0)_2TX

5310MHz_TX

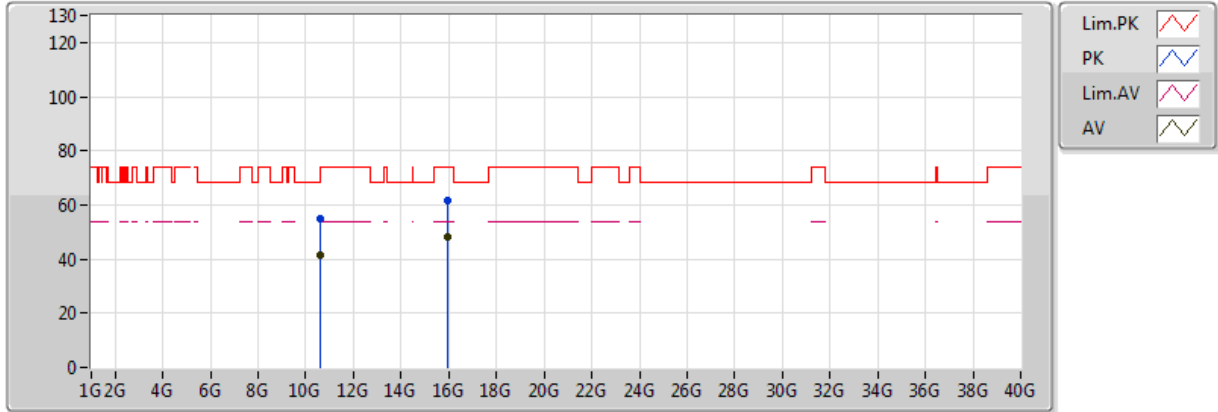


20171102
EUT_Z_2TX
Setting 69
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	10.62336G	41.17	54.00	-12.83	12.84	3	Vertical	266	1.29
AV	15.92448G	48.03	54.00	-5.97	15.31	3	Vertical	309	2.14
PK	10.61232G	54.46	74.00	-19.54	12.83	3	Vertical	266	1.29
PK	15.92712G	61.04	74.00	-12.96	15.30	3	Vertical	309	2.14

802.11n HT40_Nss1,(MCS0)_2TX

5310MHz_TX

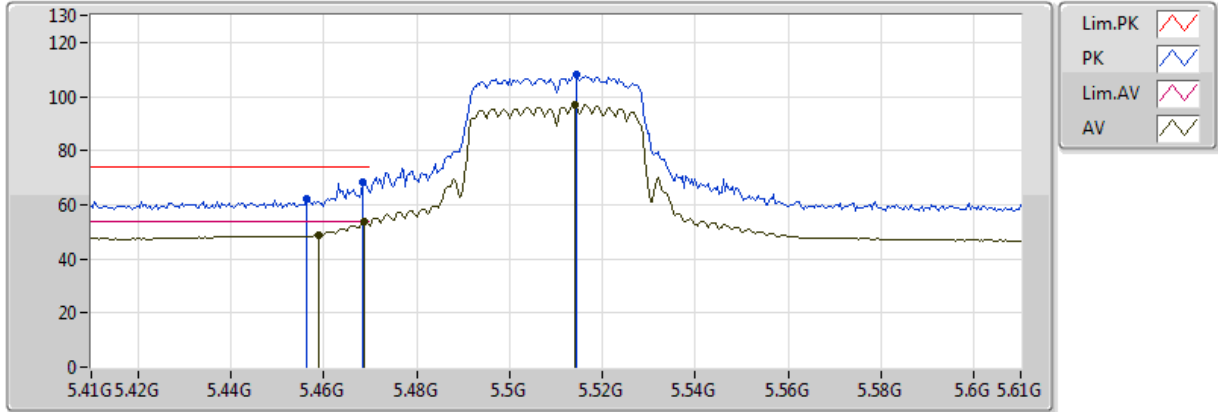


20171102
EUT_Z_2TX
Setting 69
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	10.61132G	41.34	54.00	-12.66	12.83	3	Horizontal	199	1.84
AV	15.93616G	48.01	54.00	-5.99	15.29	3	Horizontal	87	1.69
PK	10.62976G	55.12	74.00	-18.88	12.84	3	Horizontal	199	1.84
PK	15.93568G	61.46	74.00	-12.54	15.29	3	Horizontal	87	1.69

802.11n HT40_Nss1,(MCS0)_2TX

5510MHz_TX

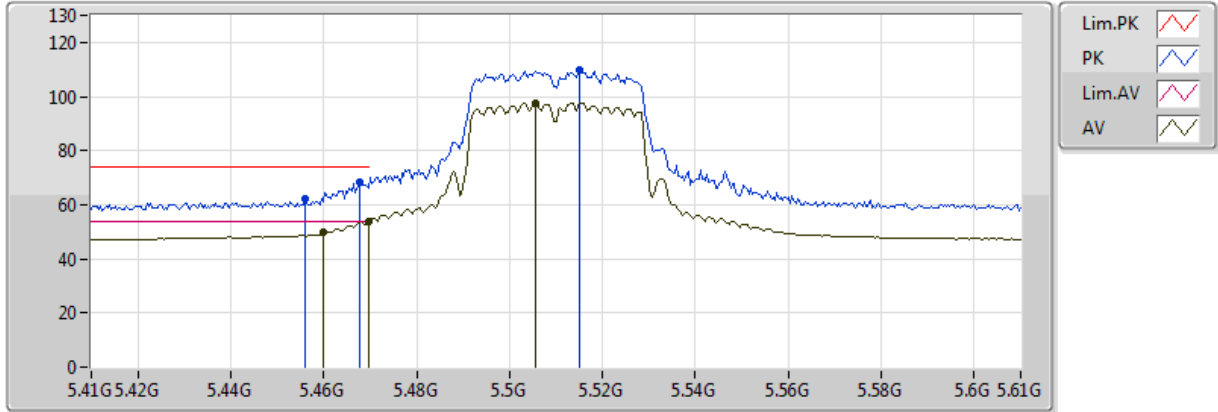


20171102
EUT_Z_2TX
Setting 66
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.4588G	48.87	54.00	-5.13	5.93	3	Vertical	250	1.01
AV	5.4688G	53.71	54.00	-0.29	5.95	3	Vertical	250	1.01
AV	5.514G	97.04	Inf	-Inf	6.05	3	Vertical	250	1.01
PK	5.4564G	62.40	74.00	-11.60	5.92	3	Vertical	250	1.01
PK	5.4684G	68.14	74.00	-5.86	5.95	3	Vertical	250	1.01
PK	5.5144G	107.96	Inf	-Inf	6.05	3	Vertical	250	1.01

802.11n HT40_Nss1,(MCS0)_2TX

5510MHz_TX

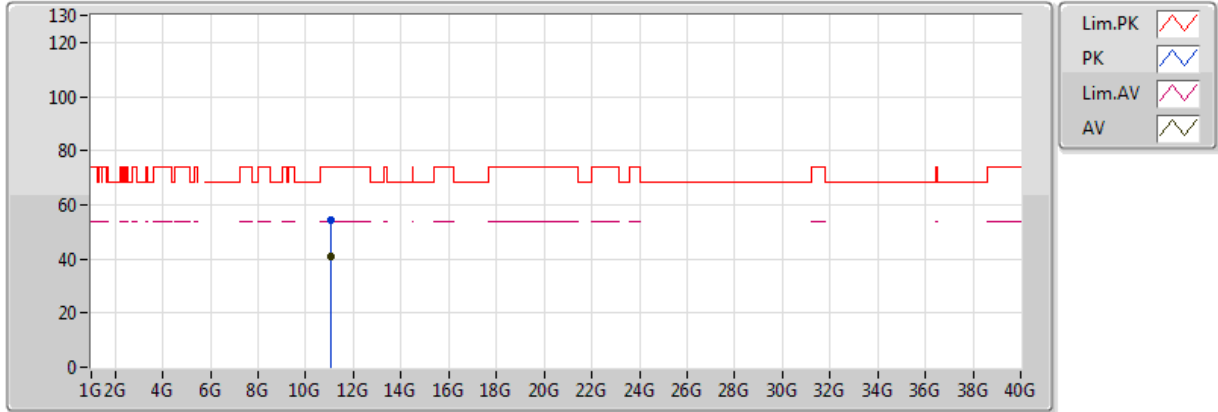


20171102
EUT_Z_2TX
Setting 66
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.46G	49.64	54.00	-4.36	5.93	3	Horizontal	91	1.12
AV	5.4696G	53.71	54.00	-0.29	5.95	3	Horizontal	91	1.12
AV	5.5056G	97.67	Inf	-Inf	6.03	3	Horizontal	91	1.12
PK	5.456G	62.31	74.00	-11.69	5.92	3	Horizontal	91	1.12
PK	5.4676G	68.27	74.00	-5.73	5.95	3	Horizontal	91	1.12
PK	5.5152G	109.86	Inf	-Inf	6.05	3	Horizontal	91	1.12

802.11n HT40_Nss1,(MCS0)_2TX

5510MHz_TX

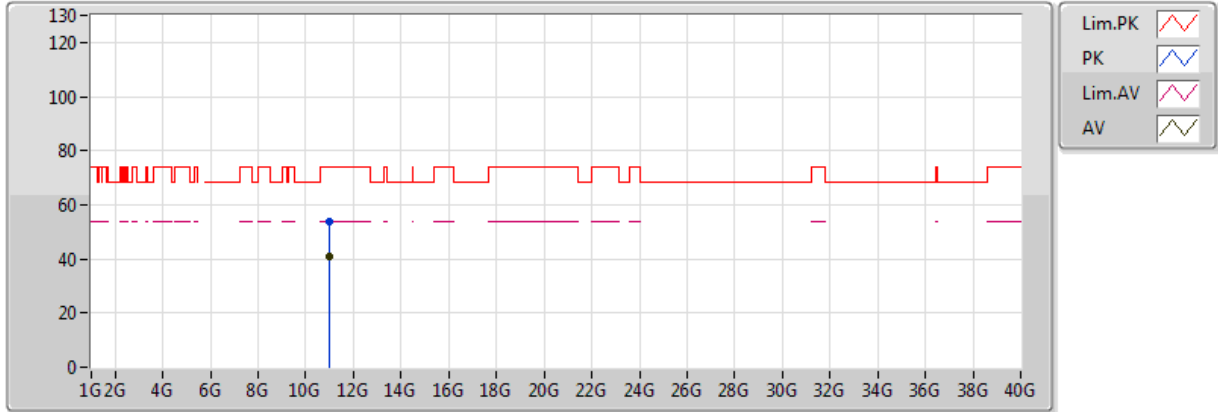


20171102
EUT_Z_2TX
Setting 66
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.02876G	41.05	54.00	-12.95	13.17	3	Vertical	212	2.45
PK	11.02552G	54.39	74.00	-19.61	13.17	3	Vertical	212	2.45

802.11n HT40_Nss1,(MCS0)_2TX

5510MHz_TX

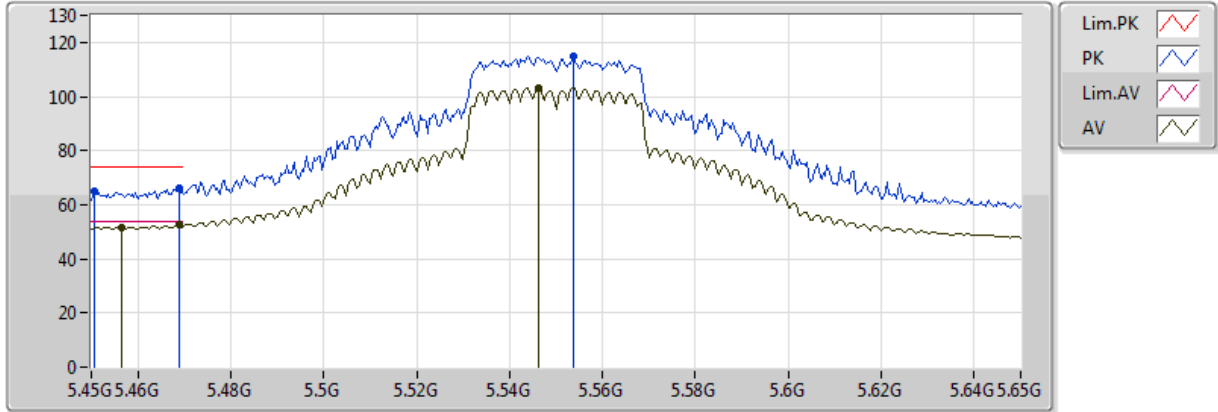


20171102
EUT_Z_2TX
Setting 66
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.01348G	40.97	54.00	-13.03	13.16	3	Horizontal	339	1.96
PK	11.01636G	54.00	74.00	-20.00	13.16	3	Horizontal	339	1.96

802.11n HT40_Nss1,(MCS0)_2TX

5550MHz_TX

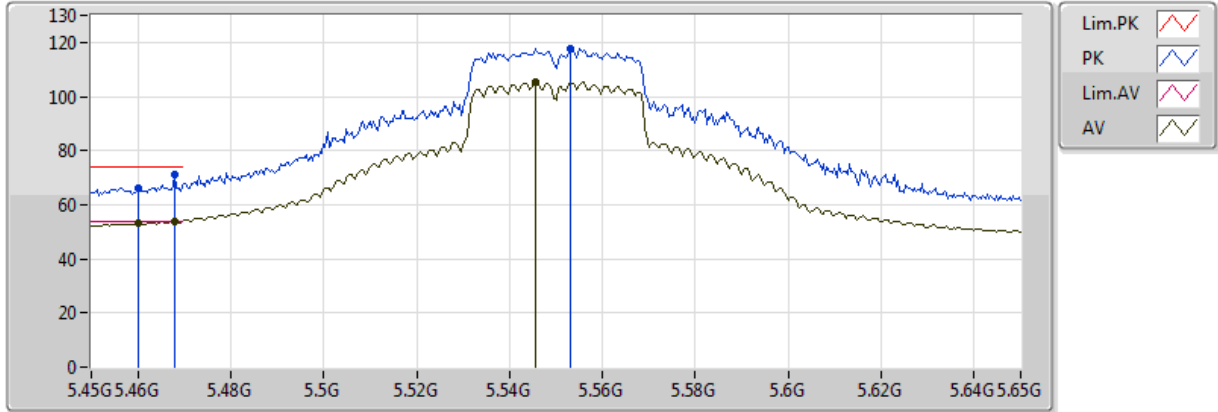


20171102
EUT_Z_2TX
Setting 95
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.4564G	51.71	54.00	-2.29	5.92	3	Vertical	234	2.35
AV	5.4688G	52.52	54.00	-1.48	5.95	3	Vertical	234	2.35
AV	5.5464G	103.16	Inf	-Inf	6.14	3	Vertical	234	2.35
PK	5.4508G	64.72	74.00	-9.28	5.91	3	Vertical	234	2.35
PK	5.4688G	65.96	74.00	-8.04	5.95	3	Vertical	234	2.35
PK	5.5536G	114.85	Inf	-Inf	6.17	3	Vertical	234	2.35

802.11n HT40_Nss1,(MCS0)_2TX

5550MHz_TX

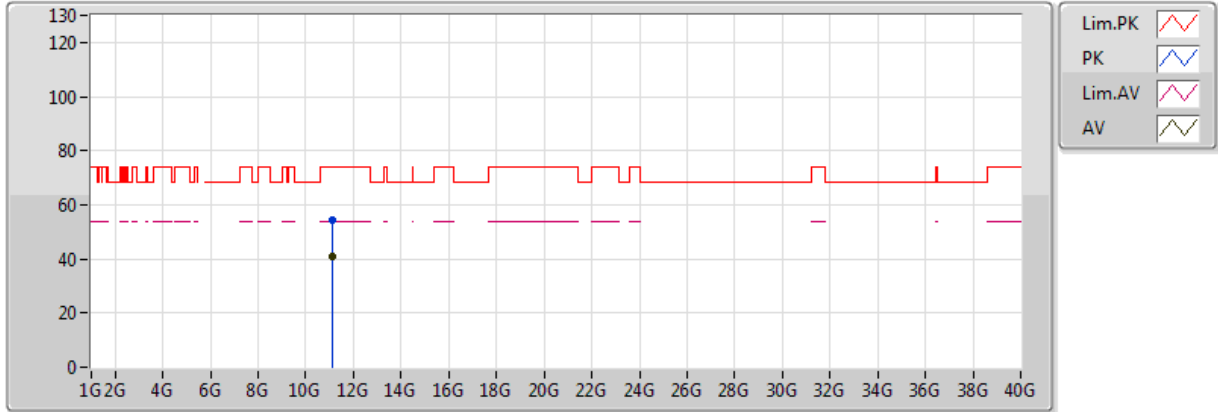


20171102
 EUT_Z_2TX
 Setting 95
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.46G	53.12	54.00	-0.88	5.93	3	Horizontal	92	1.17
AV	5.468G	53.89	54.00	-0.11	5.95	3	Horizontal	92	1.17
AV	5.5456G	105.29	Inf	-Inf	6.14	3	Horizontal	92	1.17
PK	5.46G	66.30	74.00	-7.70	5.93	3	Horizontal	92	1.17
PK	5.468G	71.15	74.00	-2.85	5.95	3	Horizontal	92	1.17
PK	5.5532G	117.83	Inf	-Inf	6.16	3	Horizontal	92	1.17

802.11n HT40_Nss1,(MCS0)_2TX

5550MHz_TX

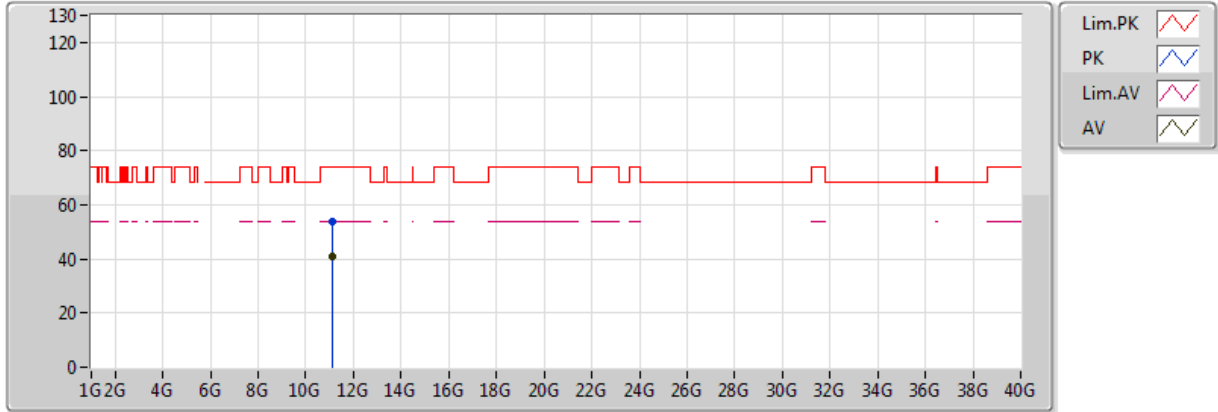


20171102
 EUT_Z_2TX
 Setting 95
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.1058G	40.69	54.00	-13.31	13.19	3	Vertical	246	2.09
PK	11.09684G	54.36	74.00	-19.64	13.18	3	Vertical	246	2.09

802.11n HT40_Nss1,(MCS0)_2TX

5550MHz_TX

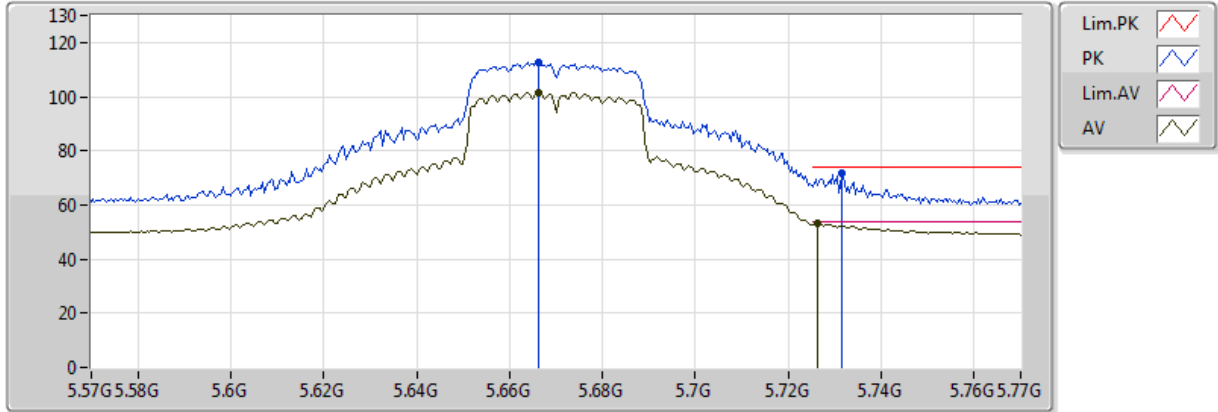


20171102
 EUT_Z_2TX
 Setting 95
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.10072G	40.68	54.00	-13.32	13.18	3	Horizontal	149	1.49
PK	11.09628G	53.80	74.00	-20.20	13.18	3	Horizontal	149	1.49

802.11n HT40_Nss1,(MCS0)_2TX

5670MHz_TX

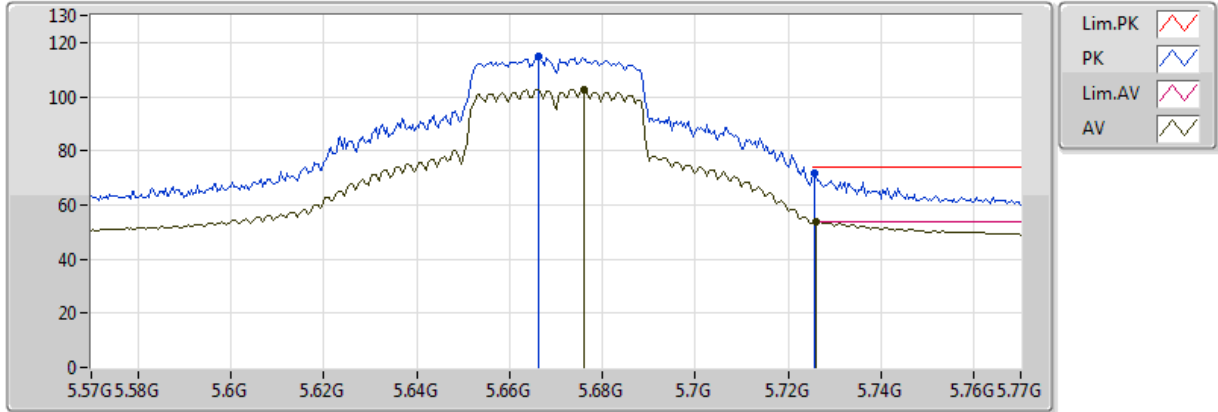


20171102
 EUT Z_2TX
 Setting 90
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.6664G	101.61	Inf	-Inf	6.59	3	Vertical	260	1.01
AV	5.7264G	53.04	54.00	-0.96	6.85	3	Vertical	260	1.01
PK	5.6664G	112.86	Inf	-Inf	6.59	3	Vertical	260	1.01
PK	5.7316G	71.93	74.00	-2.07	6.88	3	Vertical	260	1.01

802.11n HT40_Nss1,(MCS0)_2TX

5670MHz_TX

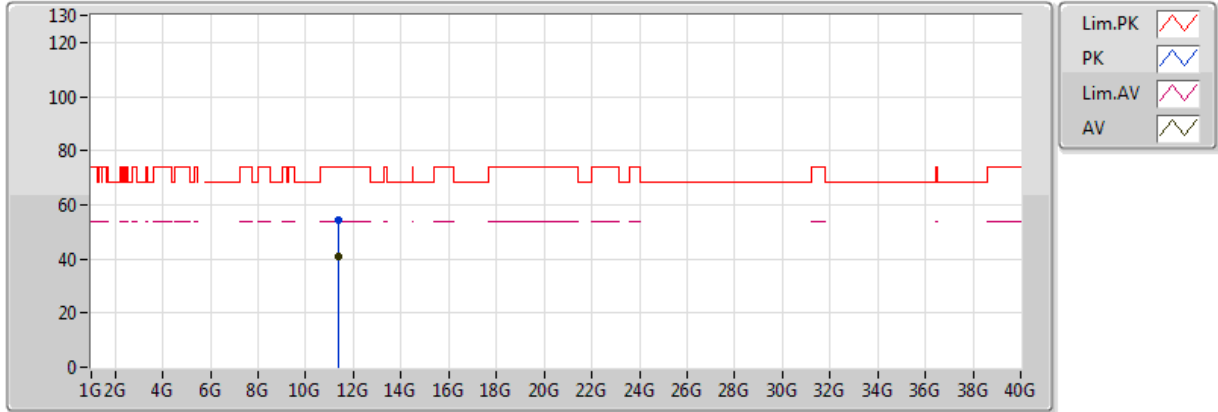


20171102
EUT_Z_2TX
Setting 90
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.676G	102.66	Inf	-Inf	6.63	3	Horizontal	91	1.09
AV	5.726G	53.97	54.00	-0.03	6.85	3	Horizontal	91	1.09
PK	5.6664G	114.91	Inf	-Inf	6.59	3	Horizontal	91	1.09
PK	5.7256G	71.54	74.00	-2.46	6.85	3	Horizontal	91	1.09

802.11n HT40_Nss1,(MCS0)_2TX

5670MHz_TX

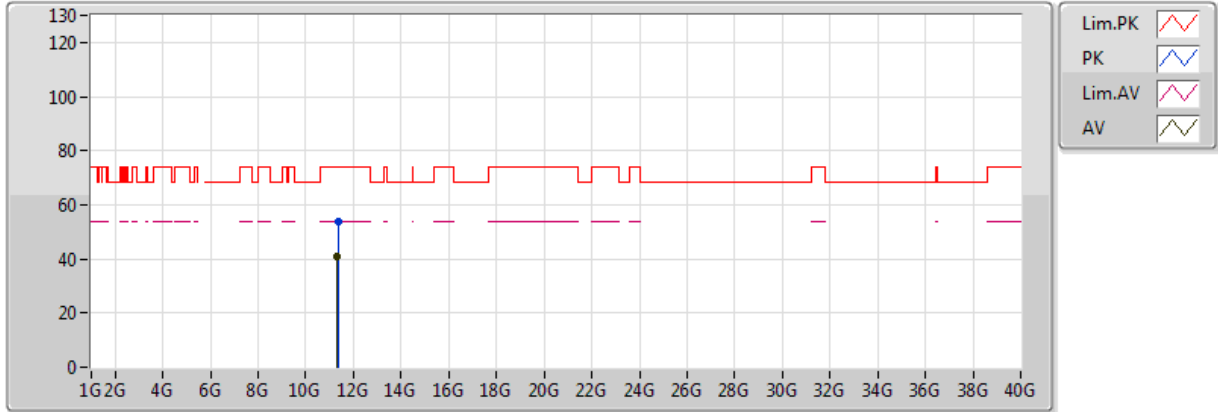


20171102
EUT_Z_2TX
Setting 90
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.34016G	40.99	54.00	-13.01	13.24	3	Vertical	226	1.54
PK	11.34432G	54.27	74.00	-19.73	13.24	3	Vertical	226	1.54

802.11n HT40_Nss1,(MCS0)_2TX

5670MHz_TX

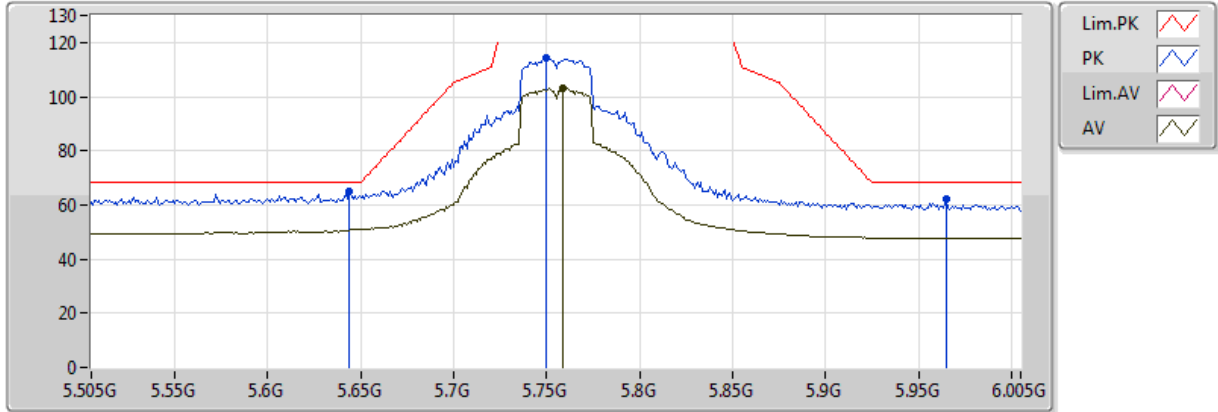


20171102
 EUT_Z_2TX
 Setting 90
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.33372G	41.08	54.00	-12.92	13.24	3	Horizontal	170	1.27
PK	11.34924G	54.01	74.00	-19.99	13.24	3	Horizontal	170	1.27

802.11n HT40_Nss1,(MCS0)_2TX

5755MHz_TX

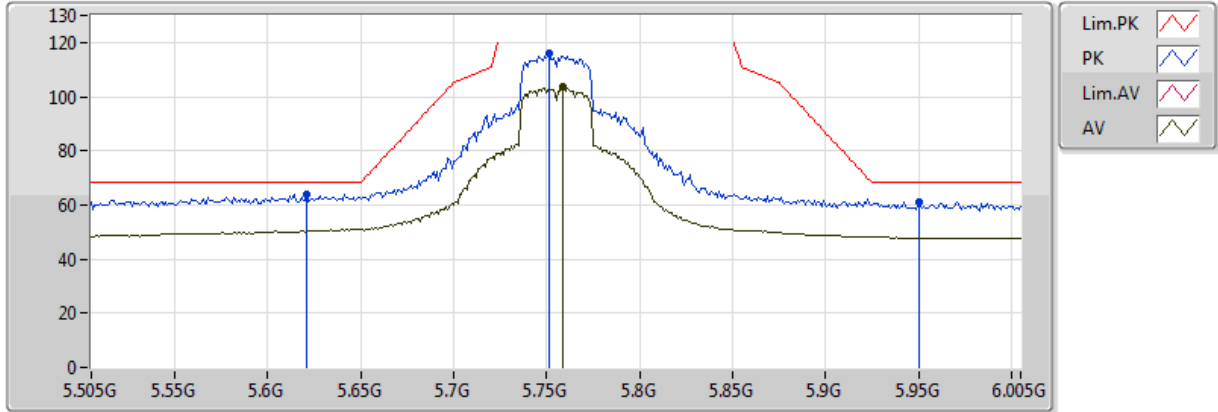


20171102
EUT_Z_2TX
Setting 99
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.759G	103.06	Inf	-Inf	6.99	3	Vertical	261	1.06
PK	5.644G	65.14	68.20	-3.06	6.49	3	Vertical	261	1.06
PK	5.75G	114.06	Inf	-Inf	6.95	3	Vertical	261	1.06
PK	5.965G	62.00	68.20	-6.20	7.52	3	Vertical	261	1.06

802.11n HT40_Nss1,(MCS0)_2TX

5755MHz_TX

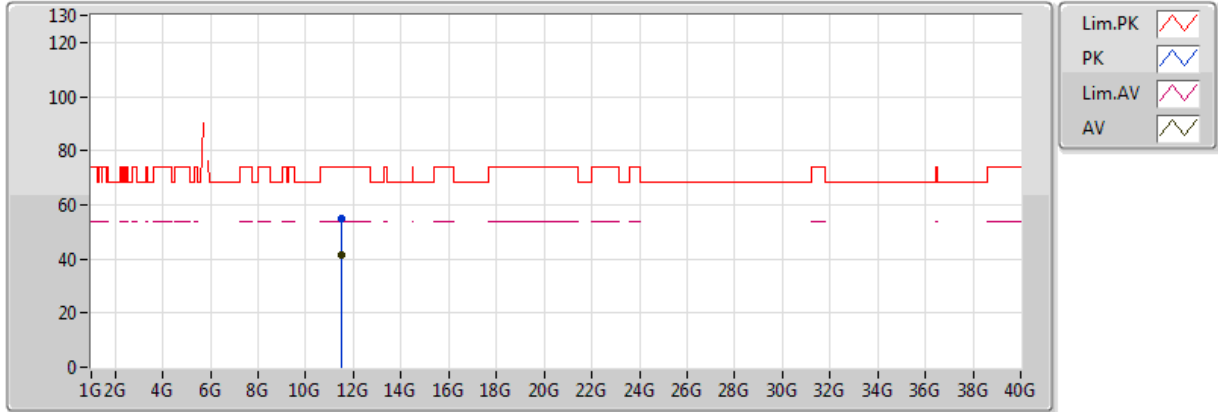


20171102
EUT_Z_2TX
Setting 99
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.759G	103.39	Inf	-Inf	6.99	3	Horizontal	94	1.28
PK	5.621G	64.15	68.20	-4.05	6.39	3	Horizontal	94	1.28
PK	5.751G	115.80	Inf	-Inf	6.96	3	Horizontal	94	1.28
PK	5.95G	61.19	68.20	-7.01	7.49	3	Horizontal	94	1.28

802.11n HT40_Nss1,(MCS0)_2TX

5755MHz_TX

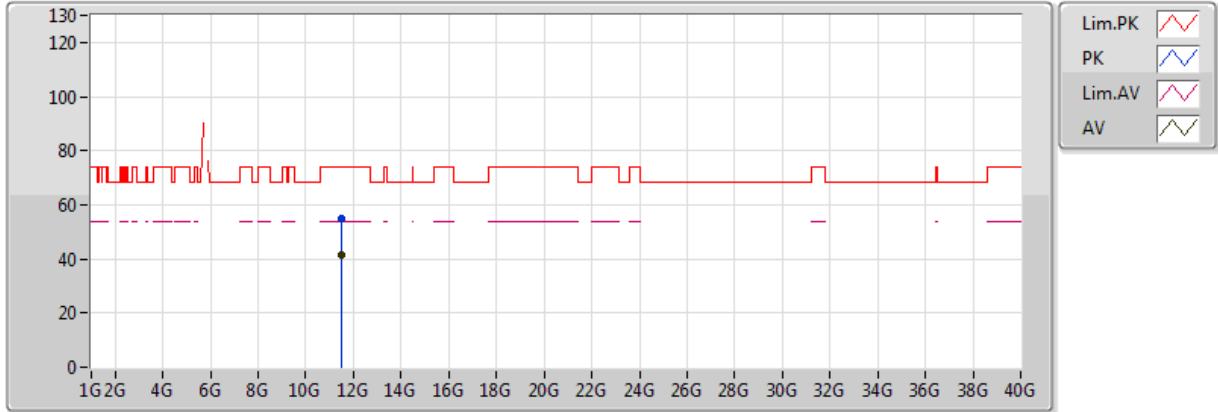


20171102
 EUT_Z_2TX
 Setting 99
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.50248G	41.58	54.00	-12.42	13.28	3	Vertical	115	1.10
PK	11.50452G	54.84	74.00	-19.16	13.28	3	Vertical	115	1.10

802.11n HT40_Nss1,(MCS0)_2TX

5755MHz_TX

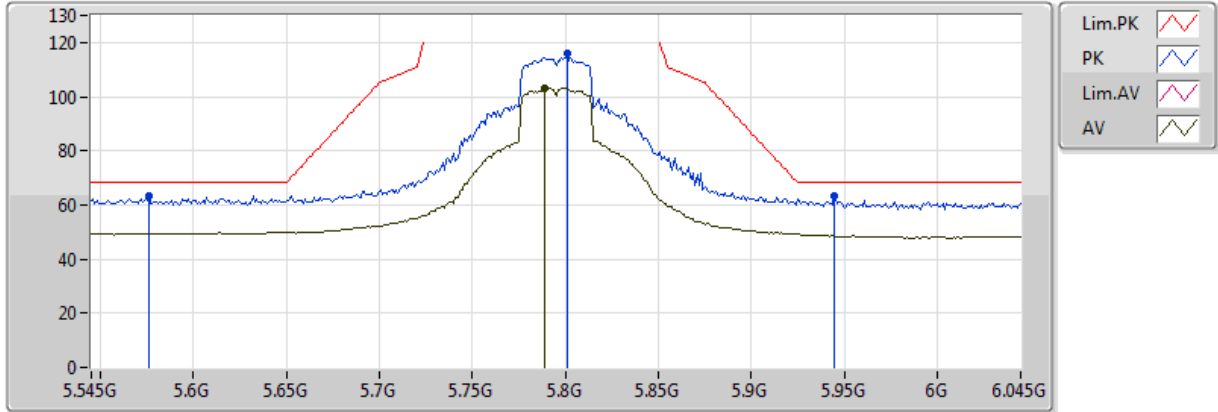


20171102
EUT_Z_2TX
Setting 99
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.50268G	41.62	54.00	-12.38	13.28	3	Horizontal	259	1.84
PK	11.5088G	54.75	74.00	-19.25	13.28	3	Horizontal	259	1.84

802.11n HT40_Nss1,(MCS0)_2TX

5795MHz_TX

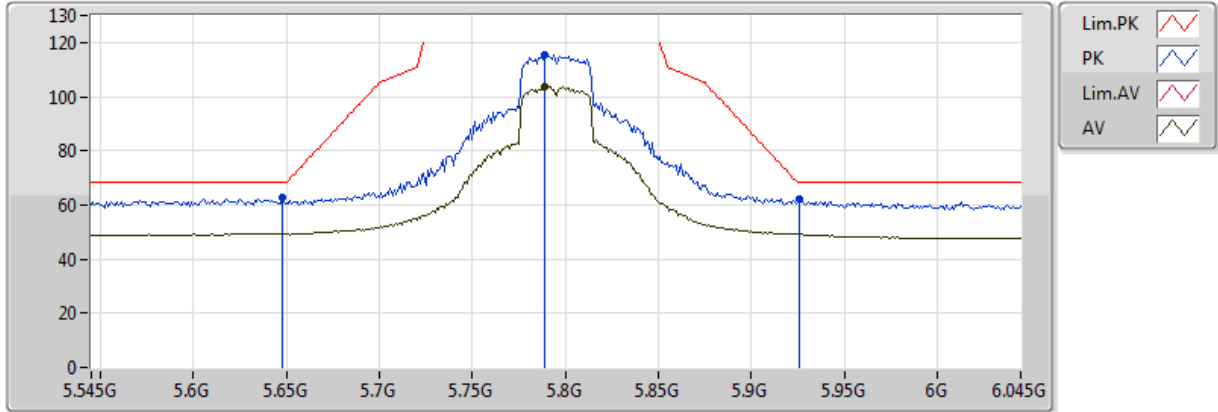


20171102
EUT_Z_2TX
Setting 99
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.789G	103.22	Inf	-Inf	7.12	3	Vertical	261	1.05
PK	5.576G	63.47	68.20	-4.73	6.23	3	Vertical	261	1.05
PK	5.801G	115.76	Inf	-Inf	7.17	3	Vertical	261	1.05
PK	5.945G	63.21	68.20	-4.99	7.48	3	Vertical	261	1.05

802.11n HT40_Nss1,(MCS0)_2TX

5795MHz_TX

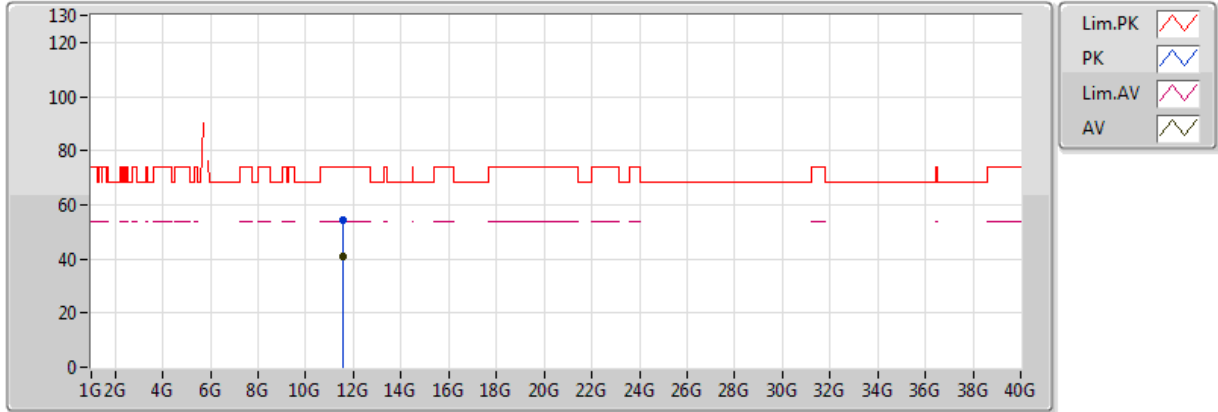


20171102
EUT_Z_2TX
Setting 99
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	5.789G	103.80	Inf	-Inf	7.12	3	Horizontal	92	1.26
PK	5.648G	62.93	68.20	-5.27	6.51	3	Horizontal	92	1.26
PK	5.789G	115.69	Inf	-Inf	7.12	3	Horizontal	92	1.26
PK	5.926G	62.46	68.20	-5.74	7.44	3	Horizontal	92	1.26

802.11n HT40_Nss1,(MCS0)_2TX

5795MHz_TX

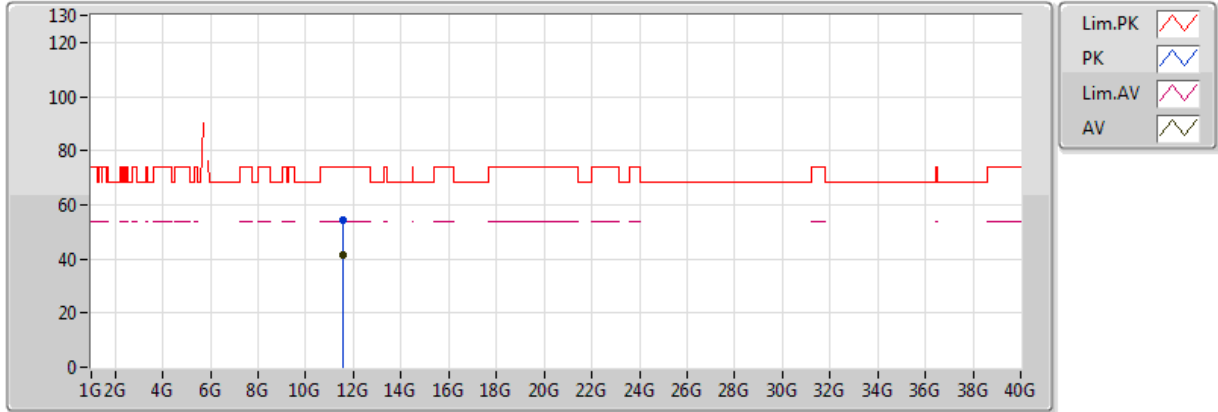


20171102
EUT_Z_2TX
Setting 99
01-G-2
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.58116G	41.06	54.00	-12.94	13.30	3	Vertical	6	1.82
PK	11.59272G	54.42	74.00	-19.58	13.30	3	Vertical	6	1.82

802.11n HT40_Nss1,(MCS0)_2TX

5795MHz_TX



20171102
 EUT_Z_2TX
 Setting 99
 01-G-2
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	11.58376G	41.23	54.00	-12.77	13.30	3	Horizontal	328	1.65
PK	11.58788G	54.53	74.00	-19.47	13.30	3	Horizontal	328	1.65



Mode: 20 MHz / Port. 2
Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)			
	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5199.9891	5199.9888	5199.9878	5199.9870
110.00	5199.9881	5199.9875	5199.9866	5199.9857
93.50	5199.9879	5199.9872	5199.9867	5199.9858
Max. Deviation (MHz)	0.0121	0.0128	0.0134	0.0143
Max. Deviation (ppm)	2.33	2.46	2.58	2.75
Result	Pass			

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)			
	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5199.9854	5199.9845	5199.9844	5199.9836
10	5199.9866	5199.9861	5199.9857	5199.9855
20	5199.9881	5199.9879	5199.9876	5199.9872
30	5199.9894	5199.9888	5199.9886	5199.9878
40	5199.9905	5199.9904	5199.9903	5199.9893
50	5199.9925	5199.9922	5199.9917	5199.9913
Max. Deviation (MHz)	0.0146	0.0155	0.0156	0.0164
Max. Deviation (ppm)	2.81	2.98	3.00	3.15
Result	Pass			

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)			
	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5299.9886	5299.9885	5299.9876	5299.9872
110.00	5299.9881	5299.9876	5299.9874	5299.9866
93.50	5299.9875	5299.9868	5299.9864	5299.9858
Max. Deviation (MHz)	0.0125	0.0132	0.0136	0.0142
Max. Deviation (ppm)	2.36	2.49	2.57	2.68
Result	Pass			

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)			
	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5299.9857	5299.9851	5299.9849	5299.9841
10	5299.9863	5299.9853	5299.9851	5299.9841
20	5299.9881	5299.9877	5299.9868	5299.9865
30	5299.9894	5299.9885	5299.9877	5299.9875
40	5299.9914	5299.9904	5299.9902	5299.9894
50	5299.9909	5299.9903	5299.9897	5299.9891
Max. Deviation (MHz)	0.0143	0.0149	0.0151	0.0159
Max. Deviation (ppm)	2.70	2.81	2.85	3.00
Result	Pass			

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)			
	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5579.9882	5579.9874	5579.9870	5579.9865
110.00	5579.9881	5579.9874	5579.9872	5579.9868
93.50	5579.9871	5579.9868	5579.9861	5579.9858
Max. Deviation (MHz)	0.0129	0.0132	0.0139	0.0142
Max. Deviation (ppm)	2.31	2.37	2.49	2.54
Result	Pass			

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)			
	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5579.9856	5579.9847	5579.9841	5579.9839
10	5579.9862	5579.9853	5579.9851	5579.9843
20	5579.9881	5579.9879	5579.9869	5579.9860
30	5579.9894	5579.9886	5579.9877	5579.9875
40	5579.9898	5579.9889	5579.9888	5579.9879
50	5579.9905	5579.9895	5579.9888	5579.9879
Max. Deviation (MHz)	0.0144	0.0153	0.0159	0.0161
Max. Deviation (ppm)	2.58	2.74	2.85	2.89
Result	Pass			

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)			
	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5784.9887	5784.9879	5784.9871	5784.9870
110.00	5784.9881	5784.9874	5784.9867	5784.9860
93.50	5784.9873	5784.9869	5784.9864	5784.9858
Max. Deviation (MHz)	0.0127	0.0131	0.0136	0.0142
Max. Deviation (ppm)	2.20	2.26	2.35	2.45
Result	Pass			

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)			
	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5784.9859	5784.9856	5784.9851	5784.9841
10	5784.9863	5784.9855	5784.9852	5784.9845
20	5784.9881	5784.9875	5784.9867	5784.9865
30	5784.9894	5784.9891	5784.9883	5784.9878
40	5784.9898	5784.9897	5784.9893	5784.9889
50	5784.9907	5784.9904	5784.9899	5784.9894
Max. Deviation (MHz)	0.0141	0.0145	0.0149	0.0159
Max. Deviation (ppm)	2.44	2.51	2.58	2.75
Result	Pass			



Mode: 40 MHz / Port. 2
Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)			
	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5189.9891	5189.9890	5189.9885	5189.9876
110.00	5189.9881	5189.9874	5189.9864	5189.9859
93.50	5189.9873	5189.9872	5189.9865	5189.9861
Max. Deviation (MHz)	0.0127	0.0128	0.0136	0.0141
Max. Deviation (ppm)	2.45	2.47	2.62	2.72
Result	Pass			

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)			
	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5189.9871	5189.9869	5189.9861	5189.9857
10	5189.9876	5189.9875	5189.9874	5189.9870
20	5189.9881	5189.9878	5189.9876	5189.9875
30	5189.9894	5189.9891	5189.9886	5189.9878
40	5189.9903	5189.9899	5189.9889	5189.9880
50	5189.9895	5189.9889	5189.9884	5189.9876
Max. Deviation (MHz)	0.0129	0.0131	0.0139	0.0143
Max. Deviation (ppm)	2.49	2.52	2.68	2.76
Result	Pass			

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)			
	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5309.9890	5309.9887	5309.9886	5309.9882
110.00	5309.9881	5309.9872	5309.9867	5309.9858
93.50	5309.9877	5309.9876	5309.9873	5309.9866
Max. Deviation (MHz)	0.0123	0.0128	0.0133	0.0142
Max. Deviation (ppm)	2.32	2.41	2.50	2.67
Result	Pass			

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)			
	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5309.9860	5309.9858	5309.9850	5309.9847
10	5309.9867	5309.9862	5309.9861	5309.9860
20	5309.9881	5309.9874	5309.9867	5309.9858
30	5309.9894	5309.9892	5309.9891	5309.9890
40	5309.9897	5309.9889	5309.9888	5309.9883
50	5309.9887	5309.9882	5309.9873	5309.9864
Max. Deviation (MHz)	0.0140	0.0142	0.0150	0.0153
Max. Deviation (ppm)	2.64	2.67	2.82	2.88
Result	Pass			

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)			
	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5549.9886	5549.9877	5549.9871	5549.9868
110.00	5549.9881	5549.9875	5549.9866	5549.9858
93.50	5549.9875	5549.9871	5549.9866	5549.9863
Max. Deviation (MHz)	0.0125	0.0129	0.0134	0.0142
Max. Deviation (ppm)	2.25	2.32	2.41	2.56
Result	Pass			

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)			
	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5549.9865	5549.9863	5549.9859	5549.9850
10	5549.9879	5549.9875	5549.9868	5549.9861
20	5549.9881	5549.9876	5549.9866	5549.9862
30	5549.9894	5549.9884	5549.9877	5549.9867
40	5549.9896	5549.9887	5549.9877	5549.9867
50	5549.9892	5549.9887	5549.9882	5549.9876
Max. Deviation (MHz)	0.0135	0.0137	0.0141	0.0150
Max. Deviation (ppm)	2.43	2.47	2.54	2.70
Result	Pass			

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)			
	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5754.9885	5754.9875	5754.9870	5754.9863
110.00	5754.9881	5754.9877	5754.9870	5754.9866
93.50	5754.9876	5754.9875	5754.9871	5754.9868
Max. Deviation (MHz)	0.0124	0.0125	0.0130	0.0137
Max. Deviation (ppm)	2.15	2.17	2.26	2.38
Result	Pass			

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)			
	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5754.9854	5754.9844	5754.9835	5754.9834
10	5754.9868	5754.9862	5754.9854	5754.9846
20	5754.9881	5754.9879	5754.9875	5754.9870
30	5754.9894	5754.9887	5754.9877	5754.9875
40	5754.9903	5754.9897	5754.9896	5754.9893
50	5754.9898	5754.9892	5754.9885	5754.9883
Max. Deviation (MHz)	0.0146	0.0156	0.0165	0.0166
Max. Deviation (ppm)	2.54	2.71	2.87	2.88
Result	Pass			