

FCC Test Report

Equipment : CGA2121 FAMILY, 24x8 D3.0 GTWY
Brand Name : technicolor
Model No. : CGA2121
FCC ID : N89-CGA2121
Standard : 47 CFR FCC Part 15.247
Operating Band : 2400 MHz – 2483.5 MHz
Function : ☒ Point-to-multipoint; ☐ Point-to-point
Applicant : CyberTAN Technology Inc.
No. 99, Park Avenue III, Science-based Industrial
Park Hsinchu, 308 Taiwan
Manufacturer : CyberTAN Technology Inc.
No. 99, Park Avenue III, Science-based Industrial
Park Hsinchu, 308 Taiwan

The product sample received on Nov. 27, 2017 and completely tested on Jan. 02, 2018. 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.

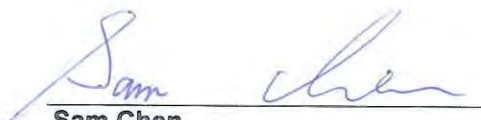

Sam Chen
SPORTON INTERNATIONAL INC.



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Summary of Test Result

Conformance Test Specifications				
Report Clause	Ref. Std. Clause	Description	Limit	Result
1.1.2	15.203	Antenna Requirement	FCC 15.203	Complied
3.1	15.207	AC Power-line Conducted Emissions	FCC 15.207	Complied
3.2	15.247(a)	DTS Bandwidth	≥500kHz	Complied
3.3	15.247(b)	Maximum Conducted Output Power	Power [dBm]:30	Complied
3.4	15.247(e)	Power Spectral Density	PSD [dBm/3kHz]:8	Complied
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	Non-Restricted Bands: > 30 dBc	Complied
3.6	15.247(d)	Emissions in Restricted Frequency Bands	Restricted Bands: FCC 15.209	Complied

Revision History

[illegible]

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40)	2422-2452	3-9 [7]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX

Note:

- ♦ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ♦ 11g, 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	Model Name	Antenna Type	Connector	Gain (dBi)
1	2	ARISTOTLE	RFA-25-AP518-70BL-52	PCB Antenna	I-PEX	Note1
2	1	ARISTOTLE	RFA-25-AP518-70B-52	PCB Antenna	I-PEX	
3	3	ARISTOTLE	RFA-05-AP518-79-125	PCB Antenna	I-PEX	

Note1:

Ant.	Port	Gain (dBi)		
		2.4GHz	5GHz Band 1	5GHz Band 4
1	2	3.5	4.5	4.5
2	1	3.0	4.0	4.0
3	3	-	4.5	4.5

Note2: The EUT has three antennas.

<For 2.4GHz Band>
For IEEE 802.11b mode (1TX/2RX)

The EUT supports 1TX/2RX function, and it supports TX diversity function.

Both Port 1 and Port 2 could be used as transmitting antenna, but only one of them will be used at one time. Port 1 and Port 2 could receive simultaneously.

For TX function: Port 2 generated the worst case than Port 1, so it is tested and recorded in the report.

For IEEE 802.11g/n mode (2TX/2RX)

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

Port 1 and Port 2 could transmit/receive simultaneously.

<For 5GHz Band>
For IEEE 802.11a/n/ac mode (3TX/3RX)

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

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

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b-ANT1	0.999	0.004	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11g	0.986	0.061	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11n HT20	0.983	0.074	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11n HT40	0.965	0.155	930u	3k

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming 802.11n/ac in 5GHz	☐	Without beamforming
Test Software Version	MTool_2.0.1.0			

1.1.5 Table for Multiple Listing

The two EUTs which are identical to each other in all aspects except for the following table:

EUT	EUT 1		EUT 2	
Location	Value	Part Number	Value	Part Number
C1304	4.7pF	202.01109.025	C/7.5pF +-0.1pF/0402/NPO	202.01280.005
C1305	20pF	202.00069.005	39pF	202.01305.005
C1306	20pF	202.00069.005	36pF	202.01334.005
C1307	11pF	202.01395.005	27pF	202.01149.025
C1308	18pF	202.00056.005	47pF	202.01293.005
C1309	27pF	202.01149.025	56pF	202.01236.005
C1310	20pF	202.00069.005	39pF	202.01305.005
C1311	22pF	202.01137.015	36pF	202.01334.005
C1312	27pF	202.01149.025	62pF	202.01335.005
C1320	33pF	202.00097.005	56pF	202.00125.005
C1325	16pF	202.01201.005	33pF	202.01297.005
C1326	13pF	202.00048.005	36pF	202.01334.005
C1327	13pF	202.00048.005	30pF	202.01304.005
C1328	36pF	202.01122.005	68pF	202.01313.005
C1329	27pF	202.01149.025	47pF	202.01293.005
C1330	150pF	202.01121.005	220pF	202.01336.005
L1300	150nH	132.00596.005	330nH	132.01497.005
L1301	100nH	132.01595.005	220nH	132.01484.005
L1302	100nH	132.01595.005	220nH	132.01484.005
L1303	150nH	132.00596.005	270nH	132.00595.005
L1308	220nH	132.01312.005	390nH	132.00715.005
L1313	120nH	132.00837.005	270nH	132.01234.005
L1315	120nH	132.00837.005	330nH	2005-21330011R
L1317	82nH	132.01116.005	180nH	2005-21180008R

Note : There are two colors (White / Black) of the EUT and all material of them are identical except for the case color.

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 558074 D01 v04
- ♦ FCC KDB 662911 D01 v02r01
- ♦ FCC KDB 412172 D01 v01r01

1.3 Testing Location Information

Testing Location				
☐	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
☒	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	Brian Sun	22°C / 54%	Nov. 27, 2017 ~ Dec. 29, 2017
Radiated	03CH01-CB	Cola Fan & Zero Chen	22°C / 54%	Dec. 05, 2017 ~ Jan. 02, 2018
AC Conduction	CO01-CB	Wei Li	24°C / 52%	Dec. 06, 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%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
11b-ANT1_Nss1,(1Mbps)_1TX	-
2412MHz	90
2417MHz	92
2437MHz	92
2457MHz	92
2462MHz	90
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	72
2417MHz	81
2422MHz	87
2427MHz	91
2432MHz	96
2437MHz	96
2442MHz	94
2447MHz	89
2452MHz	84
2457MHz	80
2462MHz	73
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	66
2417MHz	76
2422MHz	82
2427MHz	89
2432MHz	92
2437MHz	92
2442MHz	90
2447MHz	86
2452MHz	80
2457MHz	77
2462MHz	68
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	53
2427MHz	57



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Mode	Power Setting
2432MHz	63
2437MHz	72
2442MHz	66
2447MHz	60
2452MHz	60

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	EUT 1 in Y axis
2	EUT 2 in Y axis
Mode 1 generated the worst test result, so it was recorded in this report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains
1	EUT 1

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	EUT 1 - WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA733013-01 for Co-location RF Exposure Evaluation.	

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

Note 2: All the specification of test configurations and test modes were based on customer's request.

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories				
Equipment Name	Brand Name	Model Name	ID	Rating
Adapter	AcBel	WAG032	XXXX (X=A~Z or 0~9) (Note)	INPUT: 100-120V ~ Max. 0.8A 60Hz OUTPUT: 12V, 2.5A

Note:

1. The first and second "X" of the ID represents the customer code.
2. The third "X" of the ID represents product variant / revision.
3. The fourth "X" of the ID represents the Environmental Class.

2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB*3	DELL	E6430	DoC
2	Terminal System	TOP VISION	CMTS CC8800	DoC
3	Phone*2	PHILIPS	M20	DoC
4	PC	DELL	OPTIPLEX	DoC
5	LCD Monitor	DELL	1704FPTt	DoC
6	Keyboard	iCooky	SK068	DoC
7	Mouse	HP	FM100	DoC
8	Flash disk	Transcend	JetFlash-700	DoC

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

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC
2	NB*2	Apple	Mac Book	DoC
3	Phone*2	SAMPO	HT-B 907WL	N/A
4	Flash disk3.0	Silicon Power	B06	DoC
5	PC	DELL	OPTIPLEX	Doc
6	Terminal System	TOP VISION	CMTS CC8800	DoC
7	Keyboard	iCooky	SK068	DoC
8	Mouse	Logitech	M-U0026	DoC
9	LCD Monitor	DELL	1704FPTt	DoC

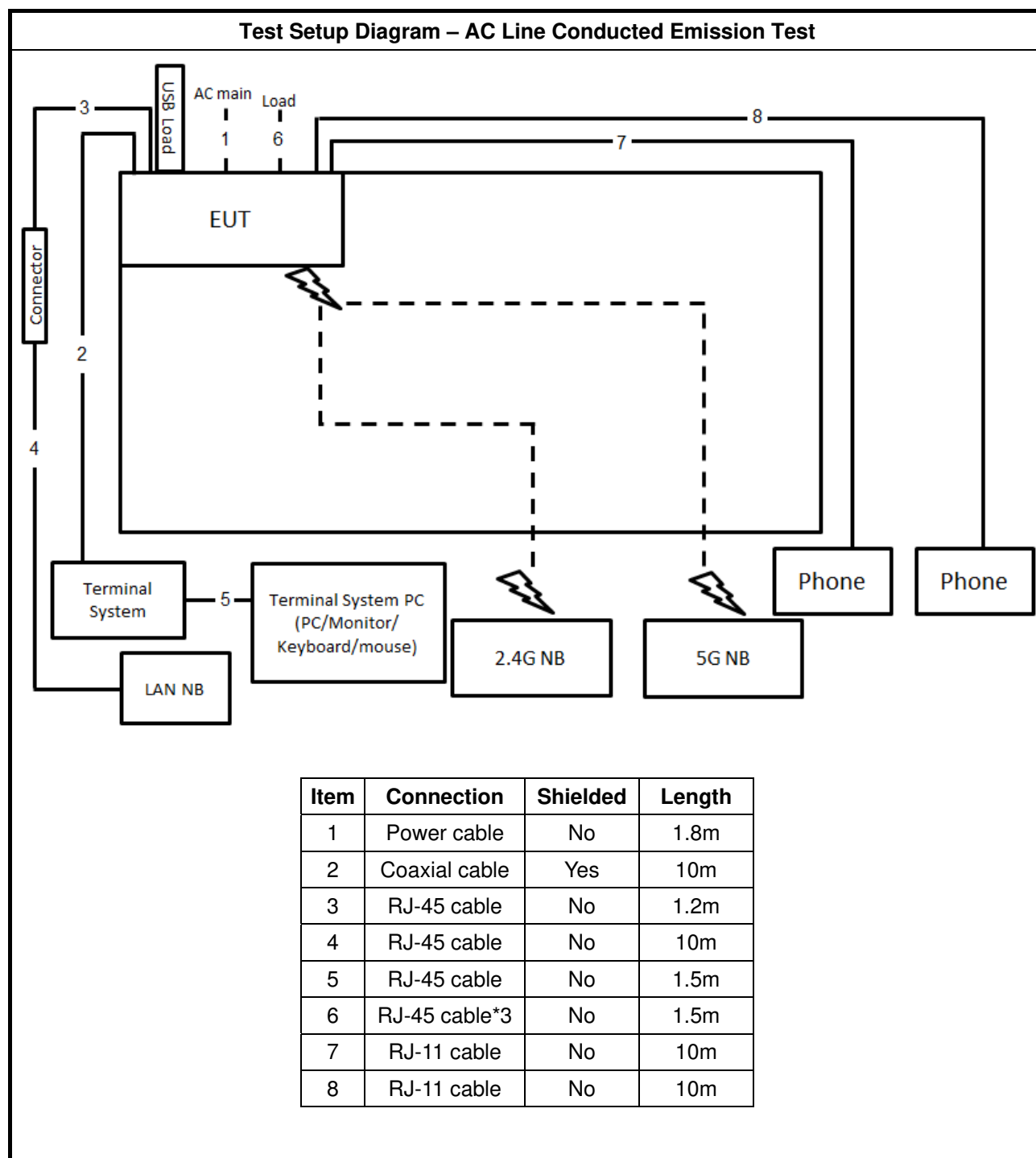
For Test Site No: 03CH01-CB (above 1GHz)

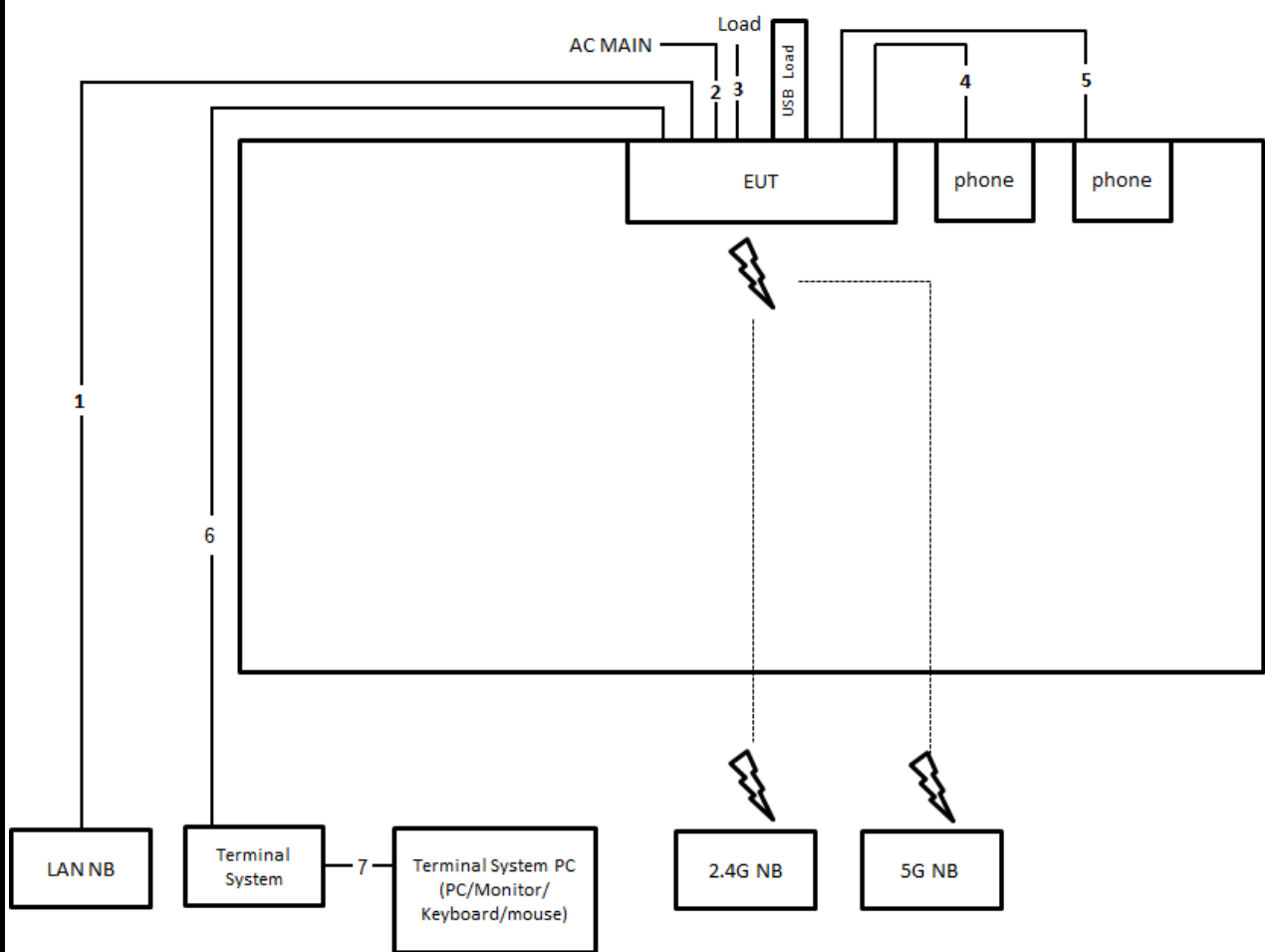
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC

For Test Site No: TH01-CB

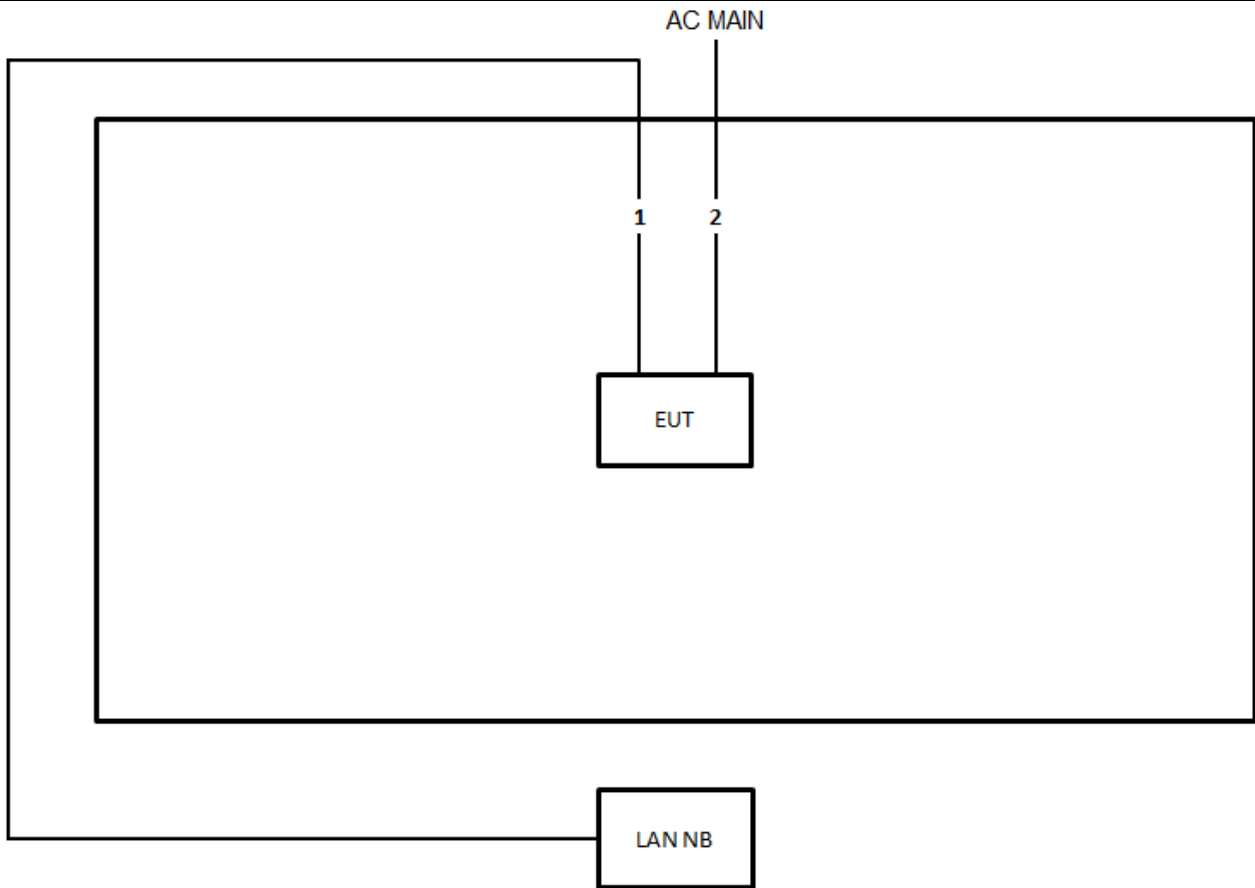
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.8m
3	RJ-45 cable	No	1.5m
4	RJ-11 cable	No	0.5m
5	RJ-11 cable	No	0.5m
6	Coaxial cable	Yes	10m
7	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz


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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

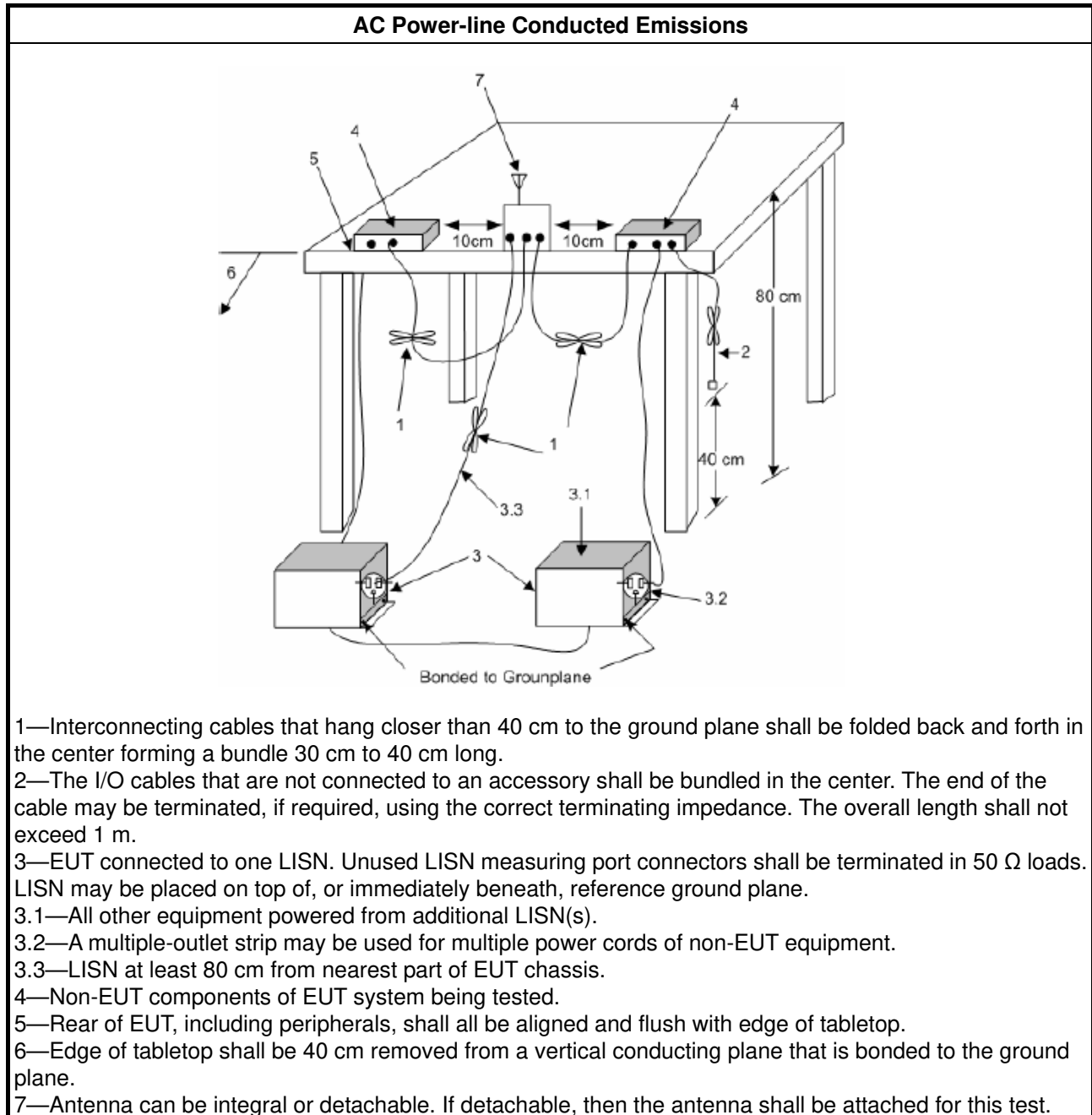
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit	
Systems using digital modulation techniques:	
▪	6 dB bandwidth $\geq$ 500 kHz.

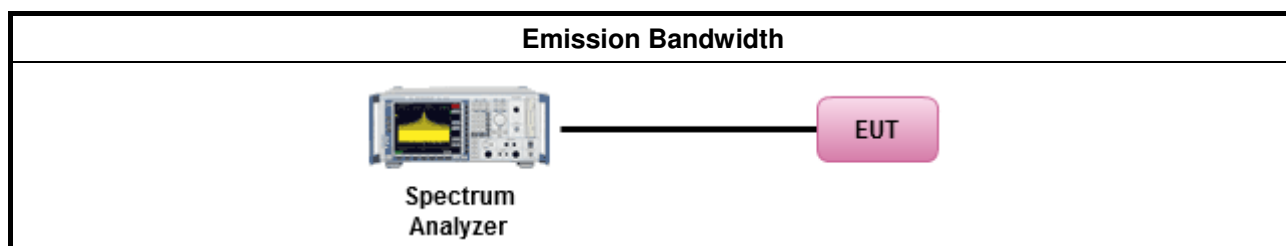
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
☒	Refer as FCC KDB 558074, clause 8.1 Option 1 for 6 dB bandwidth measurement.
☐	Refer as FCC KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied 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	
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	▪ Smart antenna system (SAS):
	- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

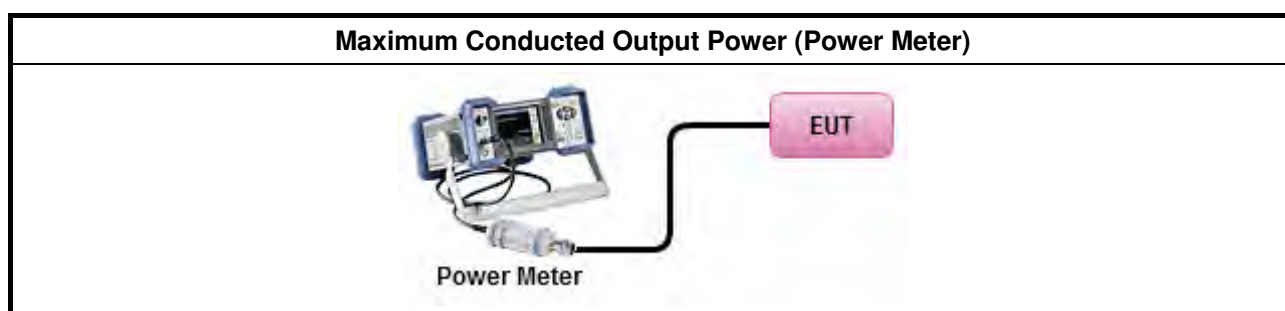
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as FCC KDB 558074, clause 9.1.1 Option 1 (RBW ≥ EBW method).
☐	Refer as FCC KDB 558074, clause 9.1.2 Option 2 (peak power meter for VBW ≥ DTS BW)
Maximum Conducted Output Power	
[duty cycle ≥ 98% or external video / power trigger]	
☐	Refer as FCC KDB 558074, clause 9.2.2.2 Method AVGSA-1 (spectral trace averaging).
☐	Refer as FCC KDB 558074, clause 9.2.2.3 Method AVGSA-1 Alt. (slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
☐	Refer as FCC KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
☐	Refer as FCC KDB 558074, clause 9.2.2.5 Method AVGSA-2 Alt. (slow sweep speed)
RF power meter and average over on/off periods with duty factor or gated trigger	
☒	Refer as FCC KDB 558074, clause 9.2.3 Method AVGPM-G (using an RF average power meter).
☐	Refer as FCC KDB 558074, clause 9.1.2 PKPM1 Peak power meter method.
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit
Power Spectral Density (PSD) ≤ 8 dBm/3kHz

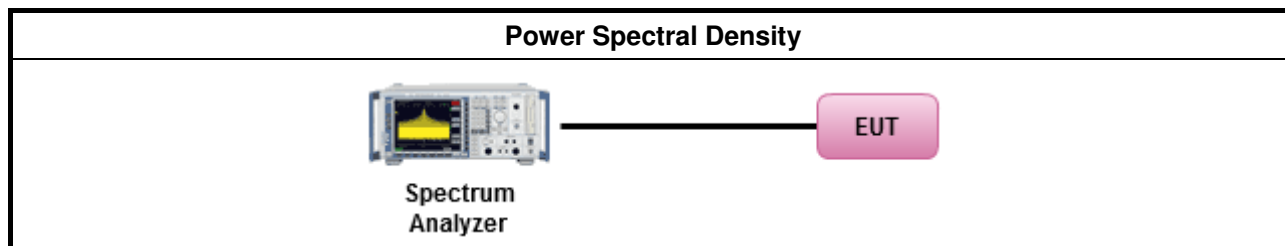
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method
Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
☒ Refer as FCC KDB 558074, clause 10.2 Method PKPSD (RBW=3-100kHz; Detector=peak). [duty cycle $\geq 98\%$ or external video / power trigger]
☐ Refer as FCC KDB 558074, clause 10.3 Method AVGPS-1 (spectral trace averaging).
☐ Refer as FCC KDB 558074, clause 10.4 Method AVGPS-2 (slow sweep speed)
duty cycle $< 98\%$ and average over on/off periods with duty factor
☐ Refer as FCC KDB 558074, clause 10.5 Method AVGPS-1 Alt (spectral trace averaging).
☐ Refer as FCC KDB 558074, clause 10.6 Method AVGPS-2 Alt. (slow sweep speed)
For conducted measurement.
If The EUT supports multiple transmit chains using options given below:
☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.	

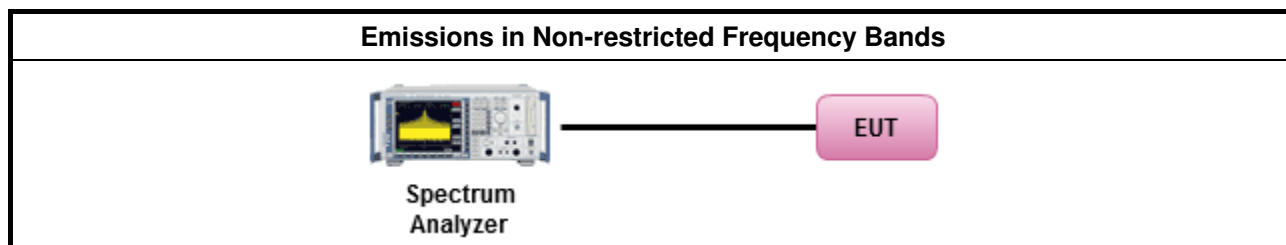
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
Refer as FCC KDB 558074, clause 11 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions 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.

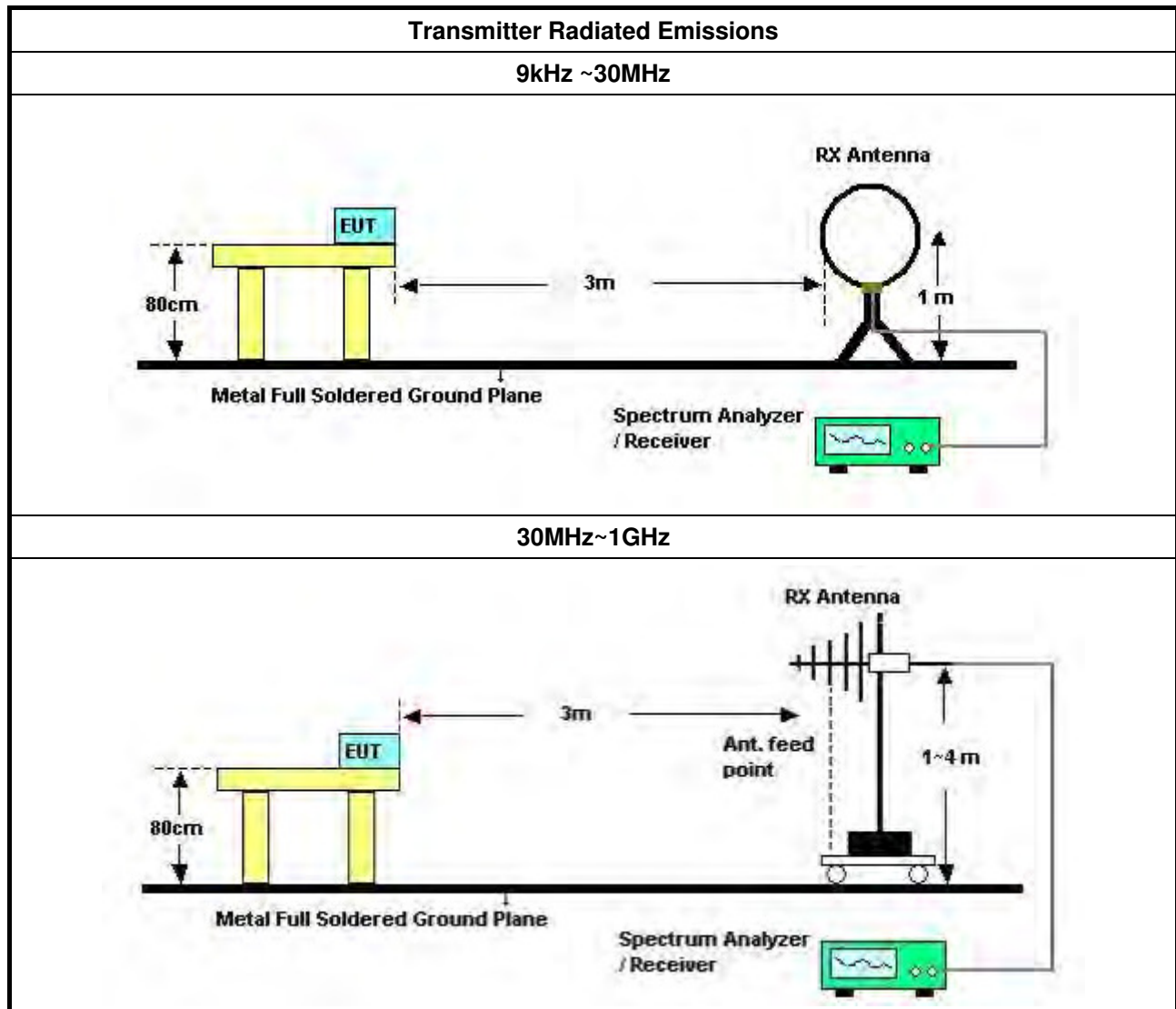
3.6.2 Measuring Instruments

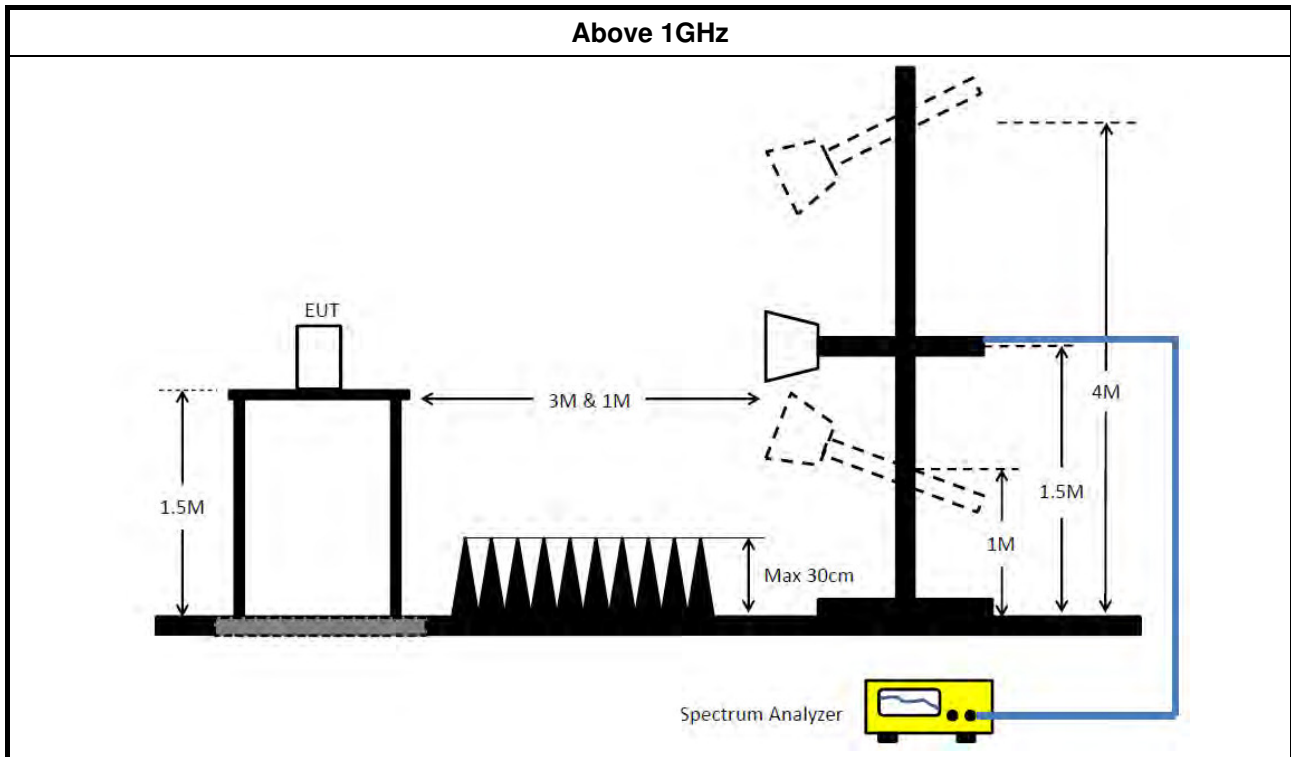
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method	
The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.9.2.2 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 558074, clause 12 for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 558074, clause 12.2.5.1 Option 1 (trace averaging for duty cycle $\geq 98\%$)
	☐ Refer as FCC KDB 558074, clause 12.2.5.2 Option 2 (trace averaging + duty factor).
	☒ Refer as FCC KDB 558074, clause 12.2.5.3 Option 3 (Reduced VBW $\geq 1/T$).
	☐ Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW $\geq 1/T$, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
	☒ Refer as FCC KDB 558074, clause 12.2.4 measurement procedure peak limit.
For the transmitter band-edge emissions shall be measured using following options below:	
	Refer as FCC KDB 558074 clause 13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	Refer as FCC KDB 558074, clause 13.2 (ANSI C63.10, clause 6.9.3) for marker-delta method for band-edge measurements.
	Refer as FCC KDB 558074, clause 13.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
For conducted and cabinet radiation measurement, refer as FCC KDB 558074, clause 12.2.2.	
	For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add $10 \log(N)$ dB
	For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

3.6.4 Test Setup





3.6.5 Transmitter Radiated 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.

3.6.6 Test Result of Transmitter Radiated Unwanted Emissions

Refer as Appendix F

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

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 23, 2017	Jan. 22, 2018	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-1 6-2	04083	150kHz ~ 100MHz	Dec. 14, 2016	Dec. 13, 2017	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 21, 2016	Dec. 20, 2017	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 23, 2017	May 22, 2018	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-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	00075790	750MHz ~ 18GHz	Nov. 20, 2017	Nov. 19, 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	FSP40	100056	9kHz ~ 40GHz	Nov. 23, 2017	Nov. 22, 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)



FCC Test Report

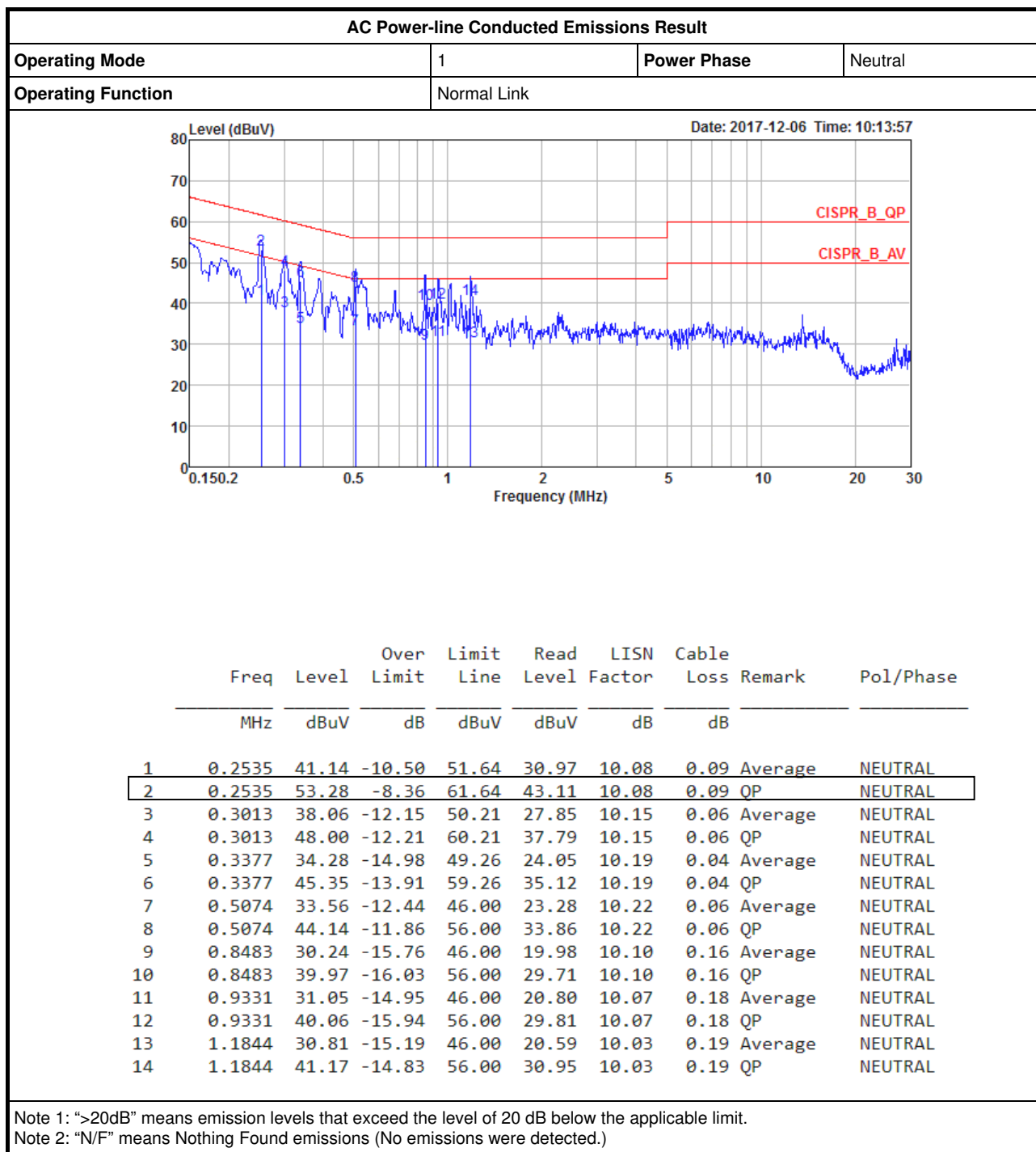
Report No. : FR733013-01AA

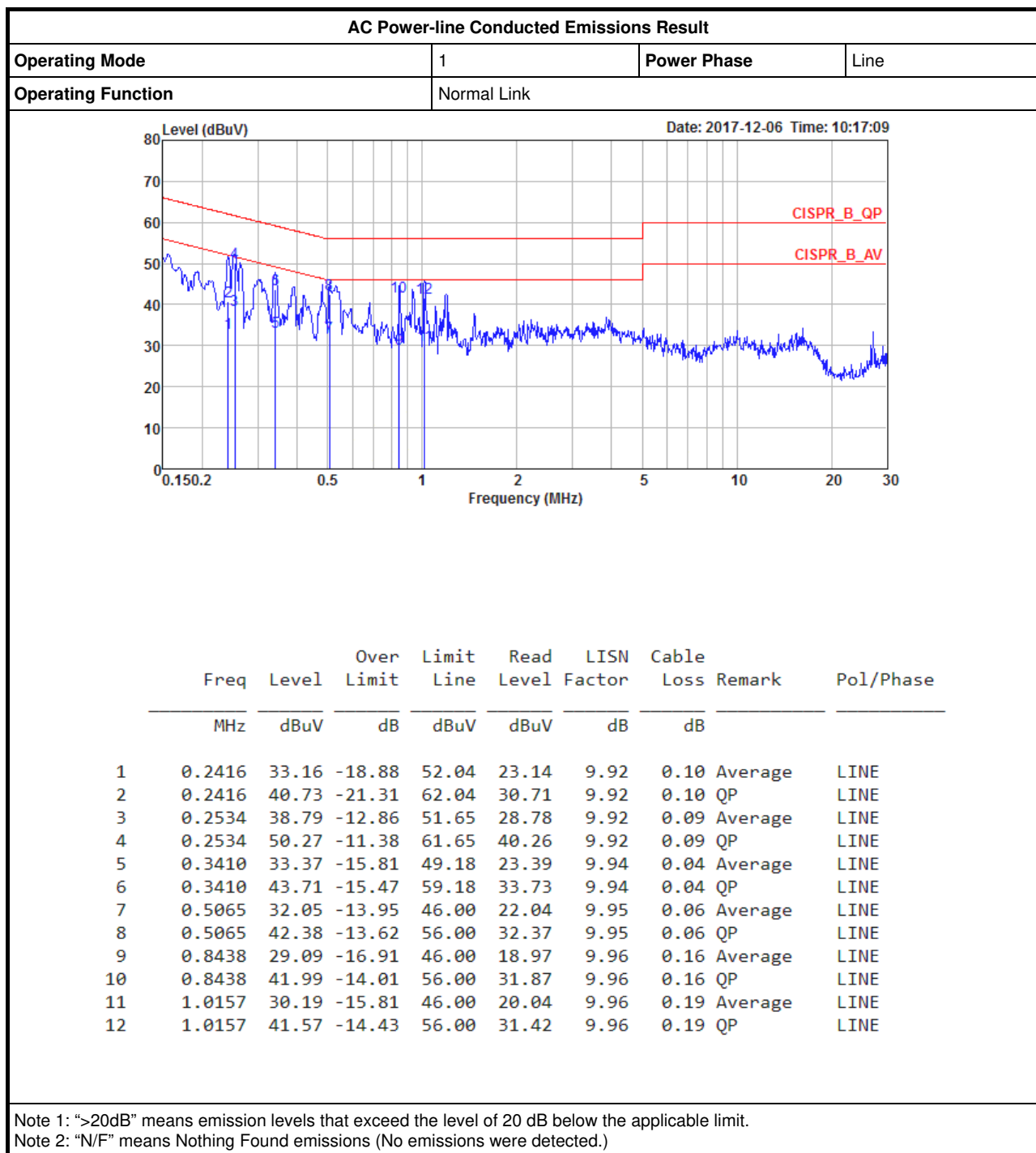
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 23, 2017	Nov. 22, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
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	MY53410001	50MHz~18GHz	Nov. 20, 2017	Nov. 19, 2018	Conducted (TH01-CB)

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

“*” Calibration Interval of instruments listed above is two years.

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





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
11b-ANT1_Nss1,(1Mbps)_1TX	8.075M	10.27M	10M3G1D	8.025M	10.195M
802.11g_Nss1,(6Mbps)_2TX	16.375M	17.716M	17M7D1D	14.95M	16.542M
802.11n HT20_Nss1,(MCS0)_2TX	17.575M	17.941M	17M9D1D	16.925M	17.666M
802.11n HT40_Nss1,(MCS0)_2TX	35.9M	36.132M	36M1D1D	26.05M	35.882M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth; **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)
11b-ANT1_Nss1,(1Mbps)_1TX	-	-	-	-	-	-
2412MHz	Pass	500k			8.075M	10.22M
2437MHz	Pass	500k			8.025M	10.27M
2462MHz	Pass	500k			8.05M	10.195M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.592M	14.95M	16.542M
2437MHz	Pass	500k	16.35M	17.716M	16.325M	17.716M
2462MHz	Pass	500k	16.375M	16.592M	16.35M	16.592M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.575M	17.666M	16.925M	17.691M
2437MHz	Pass	500k	17.525M	17.941M	17.575M	17.941M
2462MHz	Pass	500k	17.575M	17.691M	17.575M	17.691M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	26.05M	35.882M	35.9M	36.082M
2437MHz	Pass	500k	33.85M	36.132M	35.1M	36.032M
2452MHz	Pass	500k	35M	36.132M	35.35M	36.132M

Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

11b-ANT1_Nss1,(1Mbps)_1TX
EBW
2412MHz

25/12/2017

Ch Freq
2.412GHz

Span
50MHz

RBW
100kHz

VBW
300kHz

Sweep Time
100ms

Detector Type
Peak

Port1 



Ch Freq
2.412GHz

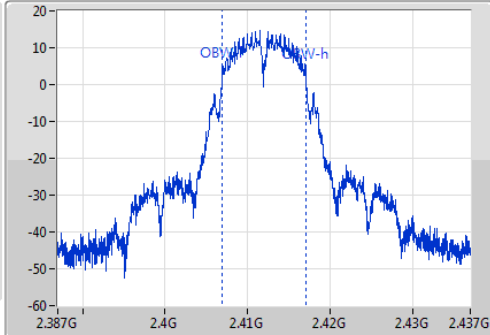
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.075M	2.407975G	2.41605G	10.22M	2.406878G	2.417097G	500k	1

11b-ANT1_Nss1,(1Mbps)_1TX
EBW
2437MHz

25/12/2017

Ch Freq
2.437GHz

Span
50MHz

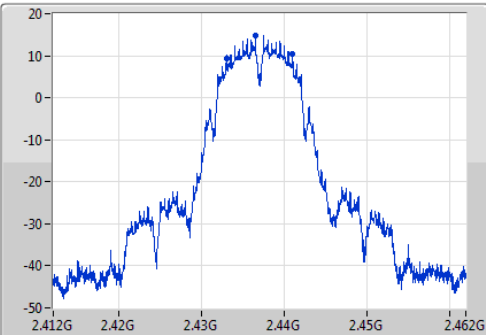
RBW
100kHz

VBW
300kHz

Sweep Time
100ms

Detector Type
Peak

Port1 



Ch Freq
2.437GHz

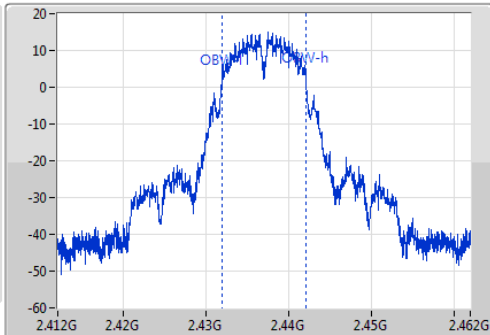
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.025M	2.432975G	2.441G	10.27M	2.431853G	2.442122G	500k	1

11b-ANT1_Nss1,(1Mbps)_1TX
EBW
2462MHz

25/12/2017

Ch Freq
2.462GHz

Span
50MHz

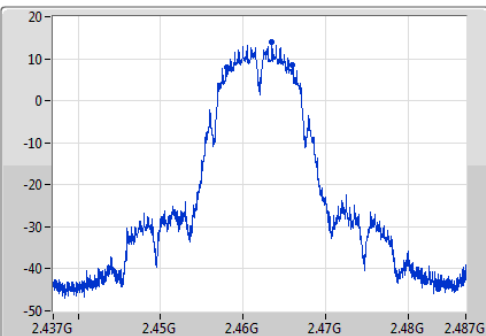
RBW
100kHz

VBW
300kHz

Sweep Time
100ms

Detector Type
Peak

Port1 



Ch Freq
2.462GHz

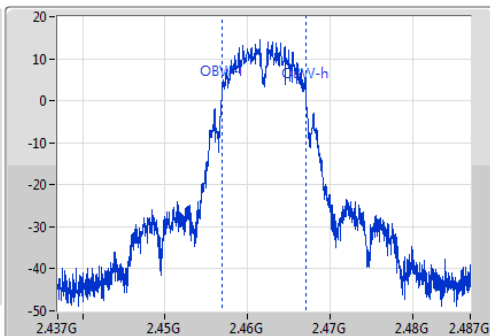
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

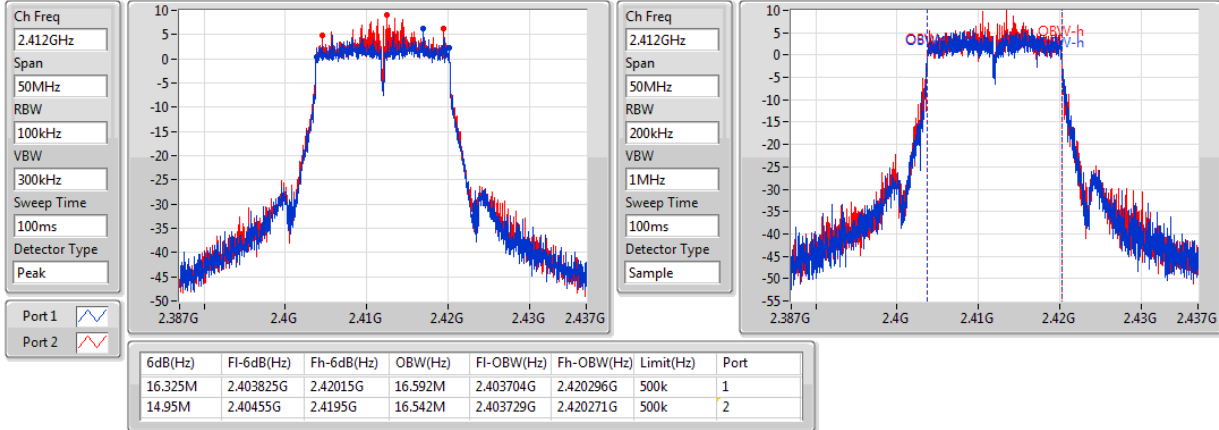
Detector Type
Sample



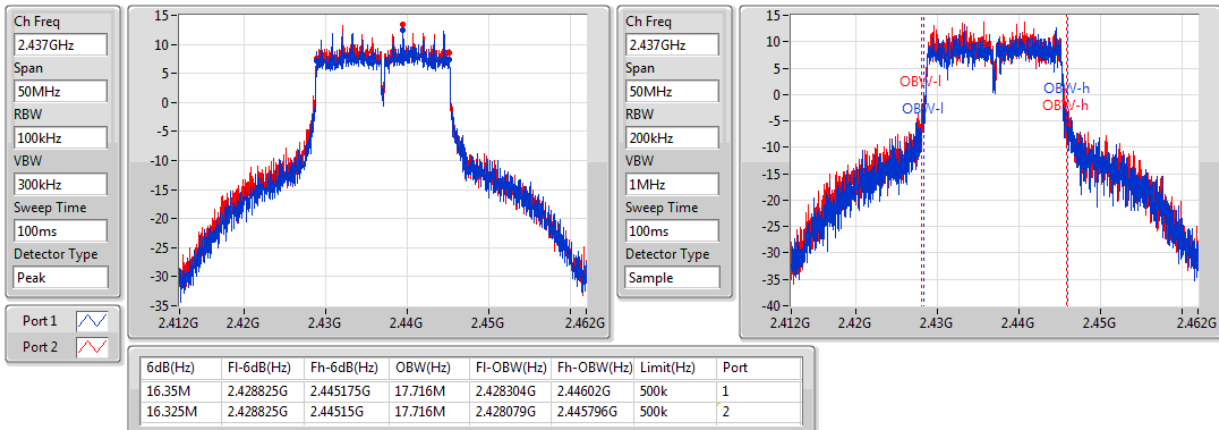
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.457975G	2.466025G	10.195M	2.456878G	2.467072G	500k	1

802.11g_Nss1,(6Mbps)_2TX
EBW
2412MHz

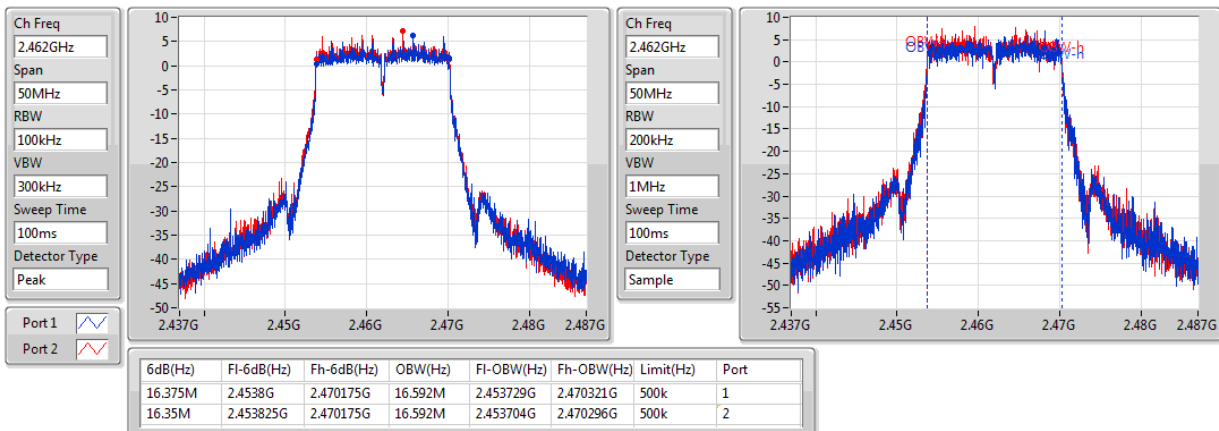
25/12/2017


802.11g_Nss1,(6Mbps)_2TX
EBW
2437MHz

25/12/2017

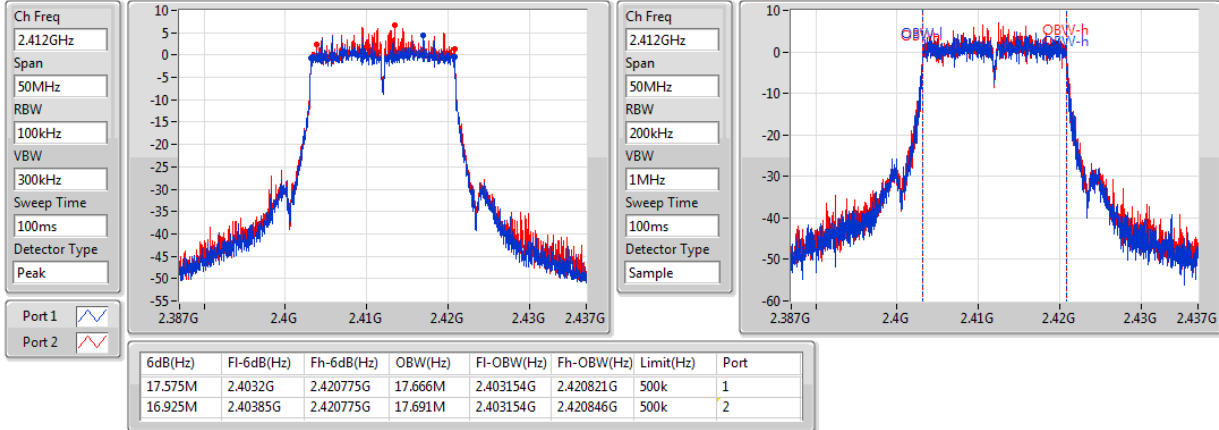

802.11g_Nss1,(6Mbps)_2TX
EBW
2462MHz

25/12/2017

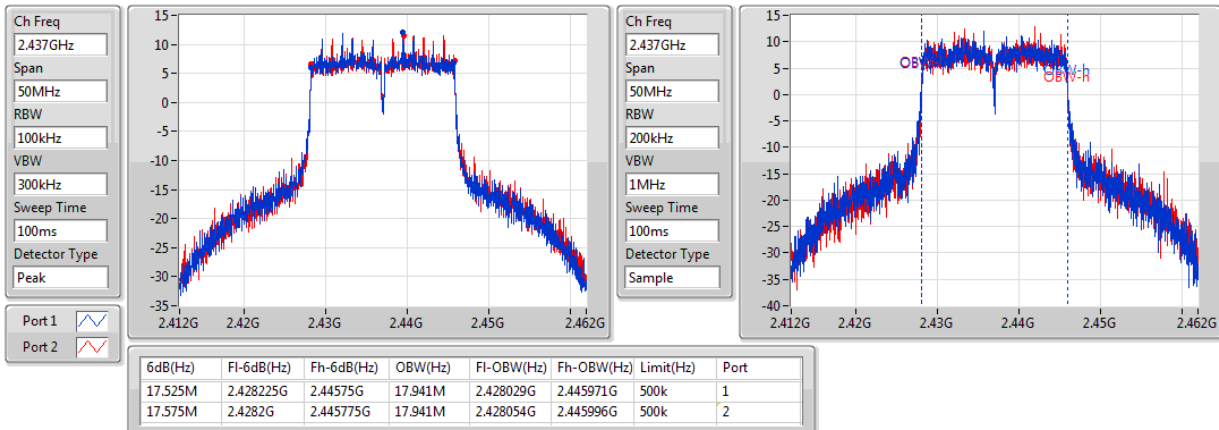


802.11n HT20_Nss1,(MCS0)_2TX
EBW
2412MHz

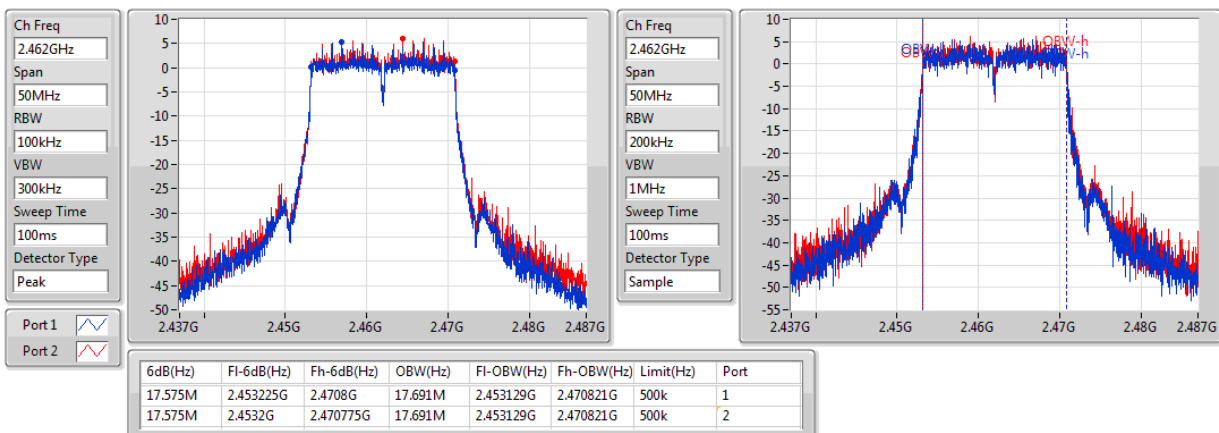
25/12/2017


802.11n HT20_Nss1,(MCS0)_2TX
EBW
2437MHz

25/12/2017

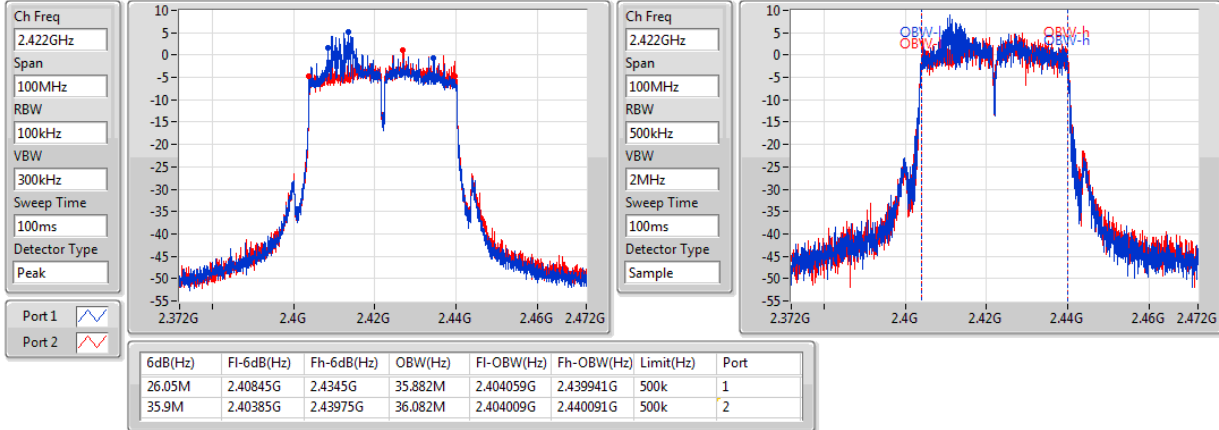

802.11n HT20_Nss1,(MCS0)_2TX
EBW
2462MHz

25/12/2017

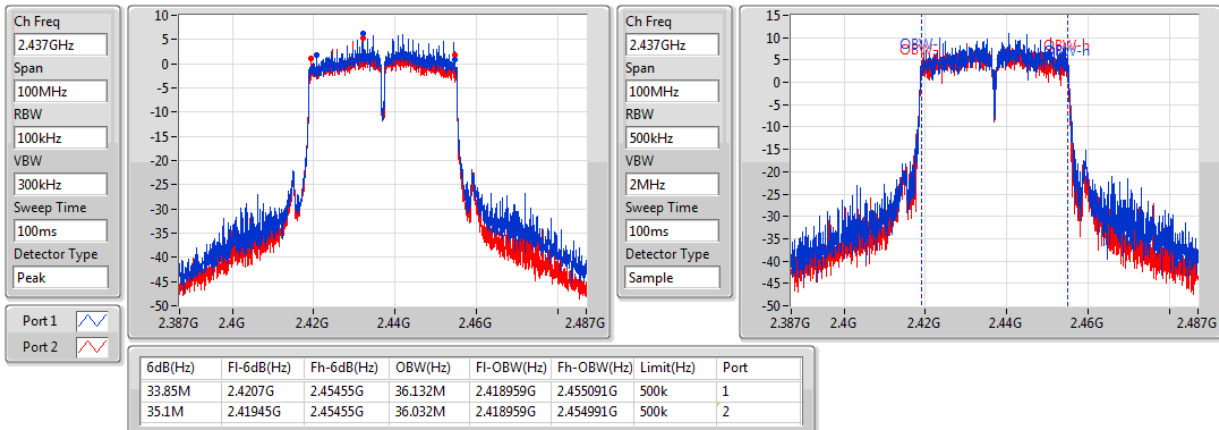


802.11n HT40_Nss1,(MCS0)_2TX
EBW
2422MHz

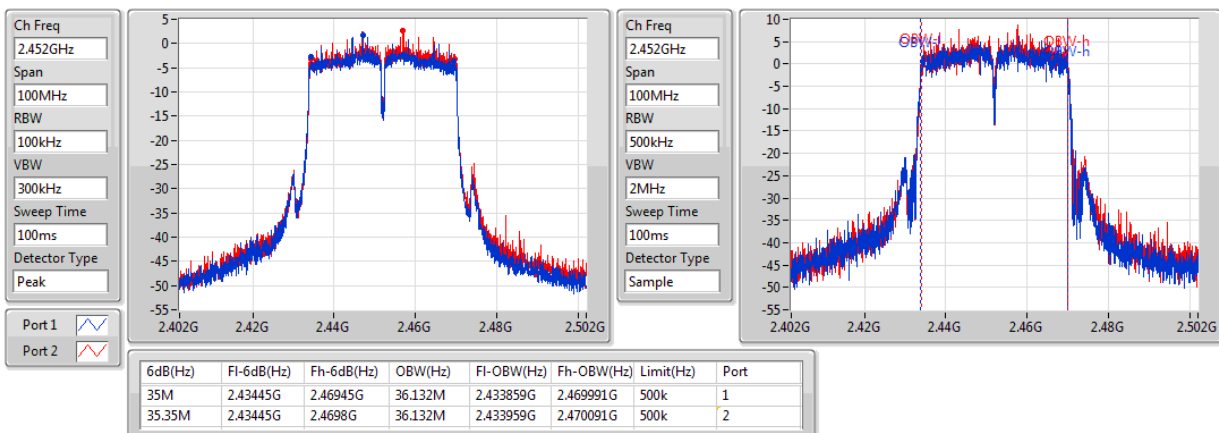
26/12/2017


802.11n HT40_Nss1,(MCS0)_2TX
EBW
2437MHz

26/12/2017


802.11n HT40_Nss1,(MCS0)_2TX
EBW
2452MHz

26/12/2017



**Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
11b-ANT1_Nss1,(1Mbps)_1TX	24.01	0.25177
802.11g_Nss1,(6Mbps)_2TX	27.93	0.62087
802.11n HT20_Nss1,(MCS0)_2TX	26.54	0.45082
802.11n HT40_Nss1,(MCS0)_2TX	21.69	0.14757

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
11b-ANT1_Nss1,(1Mbps)_1TX	-	-	-	-	-	-
2412MHz	Pass	3.50		23.36	23.36	30.00
2417MHz	Pass	3.50		23.95	23.95	30.00
2437MHz	Pass	3.50		23.88	23.88	30.00
2457MHz	Pass	3.50		24.01	24.01	30.00
2462MHz	Pass	3.50		23.34	23.34	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.50	18.4	17.85	21.14	30.00
2417MHz	Pass	3.50	20.76	20.63	23.71	30.00
2422MHz	Pass	3.50	22.66	21.95	25.33	30.00
2427MHz	Pass	3.50	23.51	23.16	26.35	30.00
2432MHz	Pass	3.50	25.26	24.56	27.93	30.00
2437MHz	Pass	3.50	24.70	24.23	27.48	30.00
2442MHz	Pass	3.50	24.25	23.85	27.06	30.00
2447MHz	Pass	3.50	22.66	22.95	25.82	30.00
2452MHz	Pass	3.50	21.58	21.45	24.53	30.00
2457MHz	Pass	3.50	20.48	20.70	23.60	30.00
2462MHz	Pass	3.50	18.70	18.55	21.64	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.50	17.33	17.46	20.41	30.00
2417MHz	Pass	3.50	19.95	20.04	23.01	30.00
2422MHz	Pass	3.50	21.13	20.94	24.05	30.00
2427MHz	Pass	3.50	22.98	22.50	25.76	30.00
2432MHz	Pass	3.50	23.69	23.36	26.54	30.00
2437MHz	Pass	3.50	23.49	23.29	26.40	30.00
2442MHz	Pass	3.50	23.45	23.34	26.41	30.00
2447MHz	Pass	3.50	22.53	22.47	25.51	30.00
2452MHz	Pass	3.50	20.96	20.88	23.93	30.00
2457MHz	Pass	3.50	20.10	20.23	23.18	30.00
2462MHz	Pass	3.50	17.74	17.84	20.80	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.50	14.24	13.98	17.12	30.00
2427MHz	Pass	3.50	15.19	15.22	18.22	30.00
2432MHz	Pass	3.50	16.07	15.93	19.01	30.00
2437MHz	Pass	3.50	18.73	18.62	21.69	30.00
2442MHz	Pass	3.50	17.36	17.22	20.30	30.00



AV Power Result

Appendix C

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
2447MHz	Pass	3.50	15.31	15.08	18.21	30.00
2452MHz	Pass	3.50	16.03	15.85	18.95	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
11b-ANT1_Nss1,(1Mbps)_1TX	2.91
802.11g_Nss1,(6Mbps)_2TX	0.86
802.11n HT20_Nss1,(MCS0)_2TX	-0.81
802.11n HT40_Nss1,(MCS0)_2TX	-6.39

RBW=3kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
11b-ANT1_Nss1,(1Mbps)_1TX	-	-	-	-	-	-
2412MHz	Pass	3.50		0.37	0.37	8.00
2437MHz	Pass	3.50		2.91	2.91	8.00
2462MHz	Pass	3.50		-0.81	-0.81	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.26	-7.28	-6.85	-5.90	7.74
2437MHz	Pass	6.26	-1.57	-0.69	0.86	7.74
2462MHz	Pass	6.26	-6.24	-7.68	-5.76	7.74
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.26	-8.21	-9.26	-7.20	7.74
2437MHz	Pass	6.26	-2.79	-2.36	-0.81	7.74
2462MHz	Pass	6.26	-8.65	-7.85	-6.74	7.74
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.26	-11.01	-12.48	-10.67	7.74
2437MHz	Pass	6.26	-8.83	-8.15	-6.39	7.74
2452MHz	Pass	6.26	-12.12	-11.74	-10.06	7.74

DG = Directional Gain; RBW=3kHz;

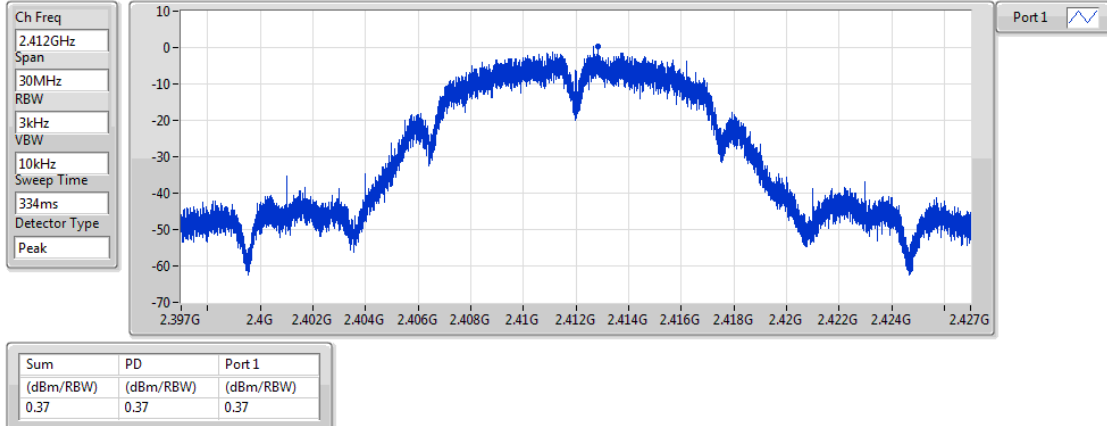
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

11b-ANT1_Nss1,(1Mbps)_1TX

PSD

2412MHz

25/12/2017

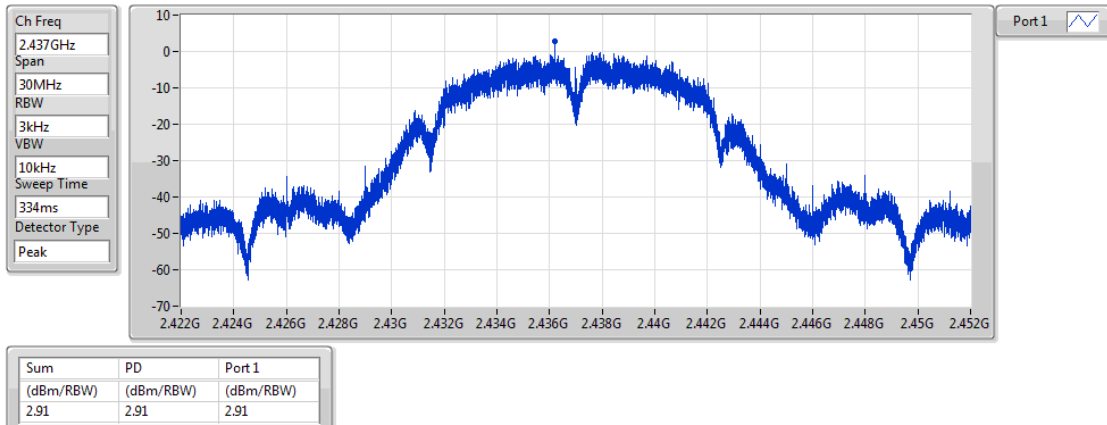


11b-ANT1_Nss1,(1Mbps)_1TX

PSD

2437MHz

25/12/2017

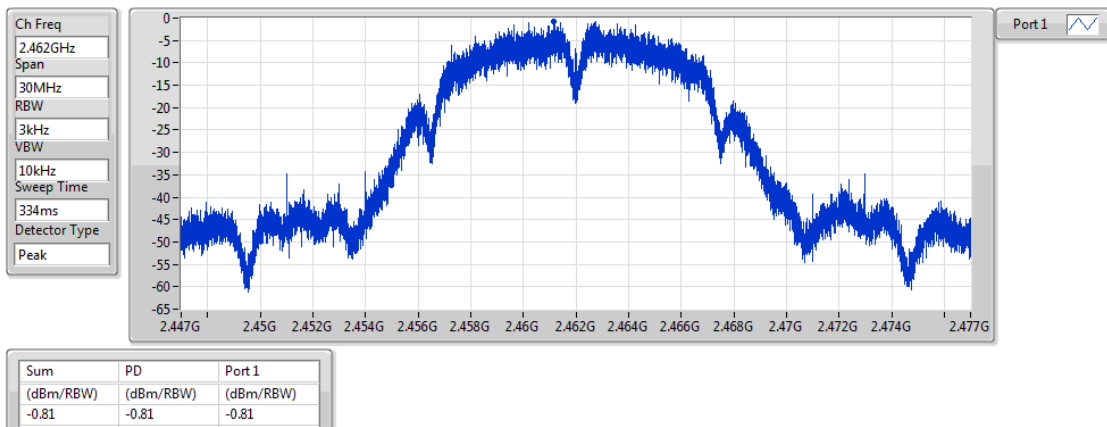


11b-ANT1_Nss1,(1Mbps)_1TX

PSD

2462MHz

25/12/2017

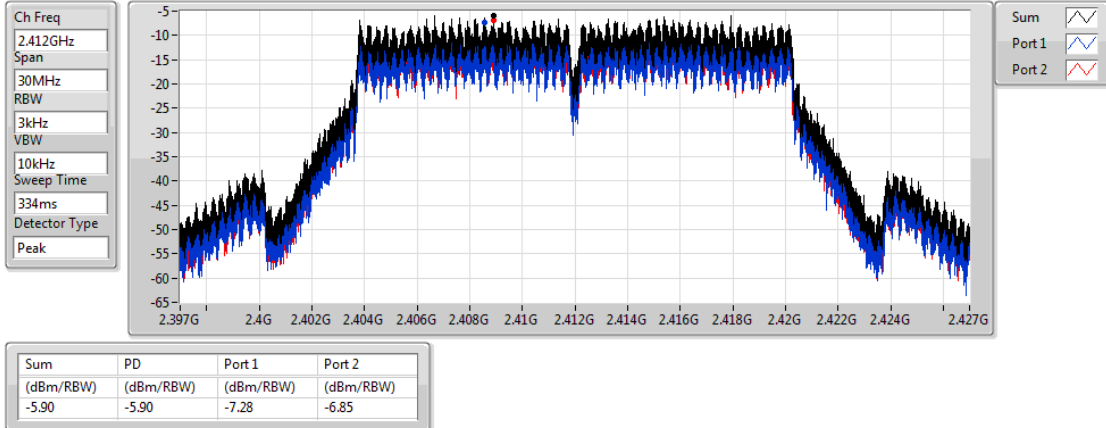


802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

25/12/2017

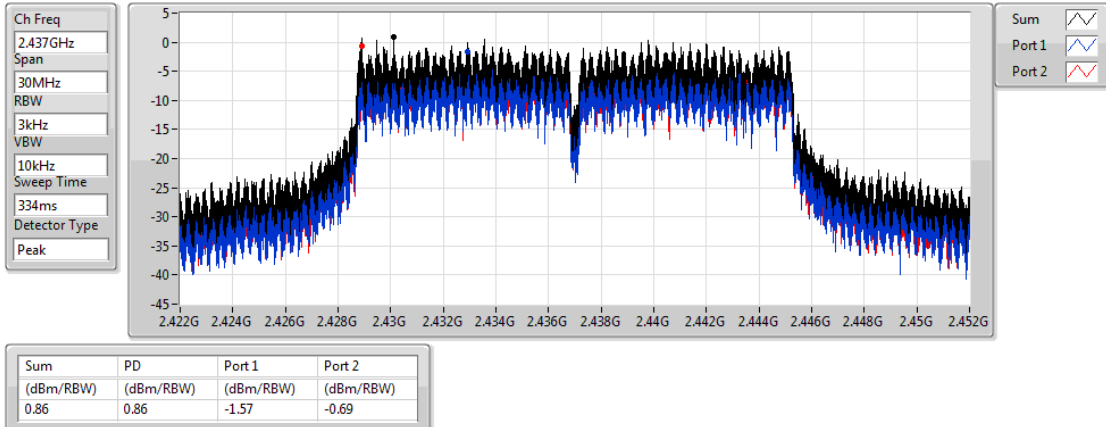


802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

25/12/2017

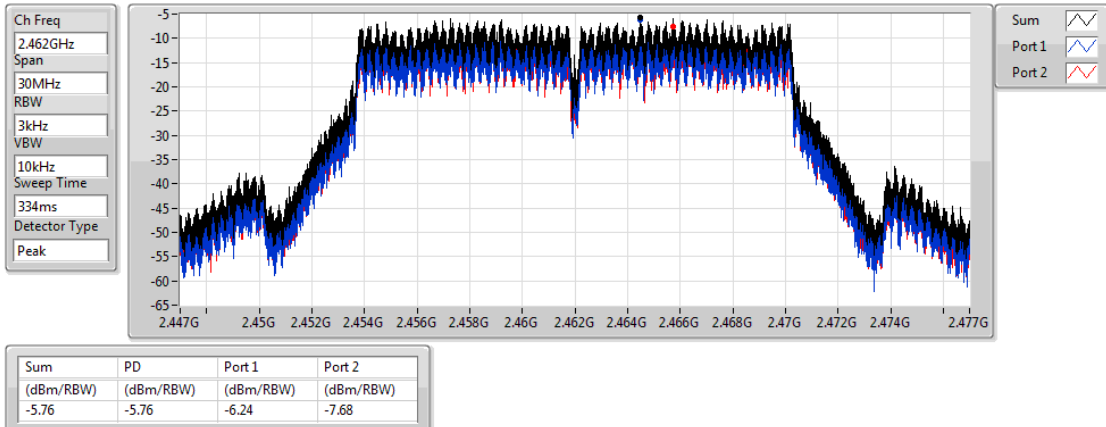


802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

25/12/2017

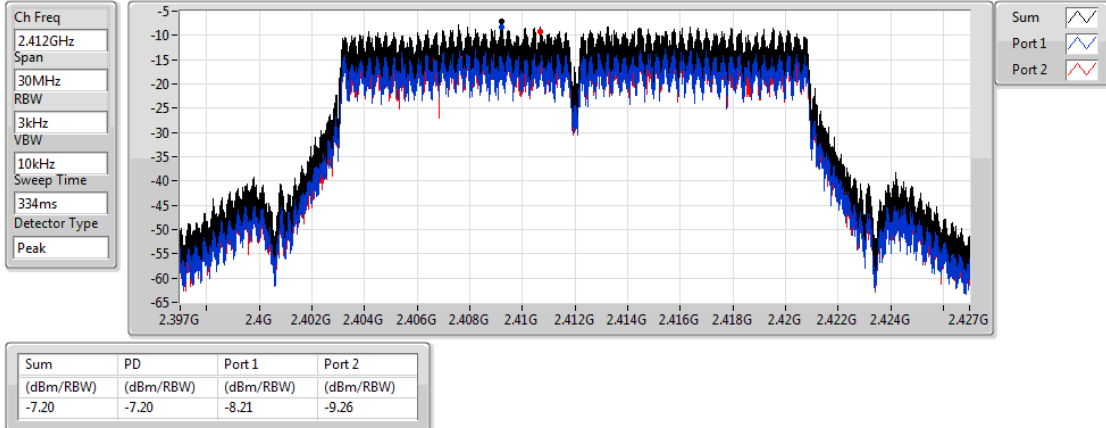


802.11n HT20_Nss1,(MCS0)_2TX

PSD

2412MHz

25/12/2017

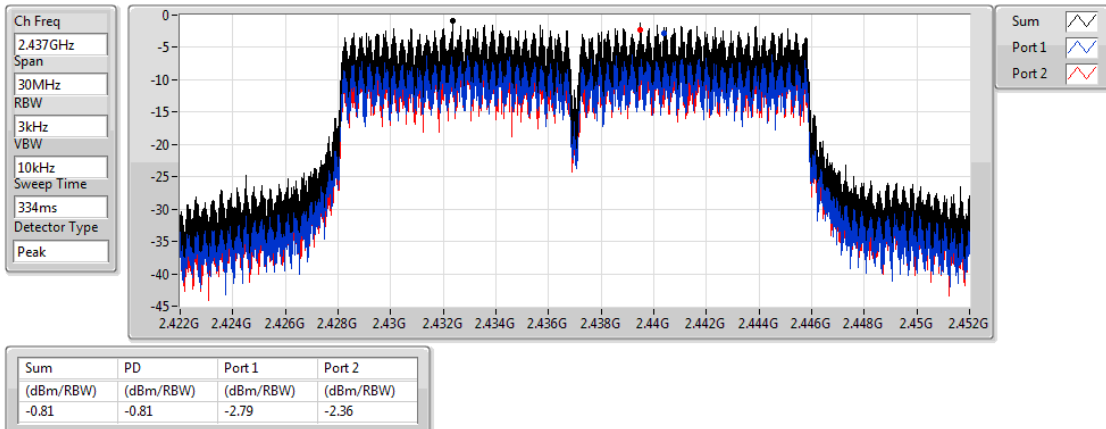


802.11n HT20_Nss1,(MCS0)_2TX

PSD

2437MHz

25/12/2017

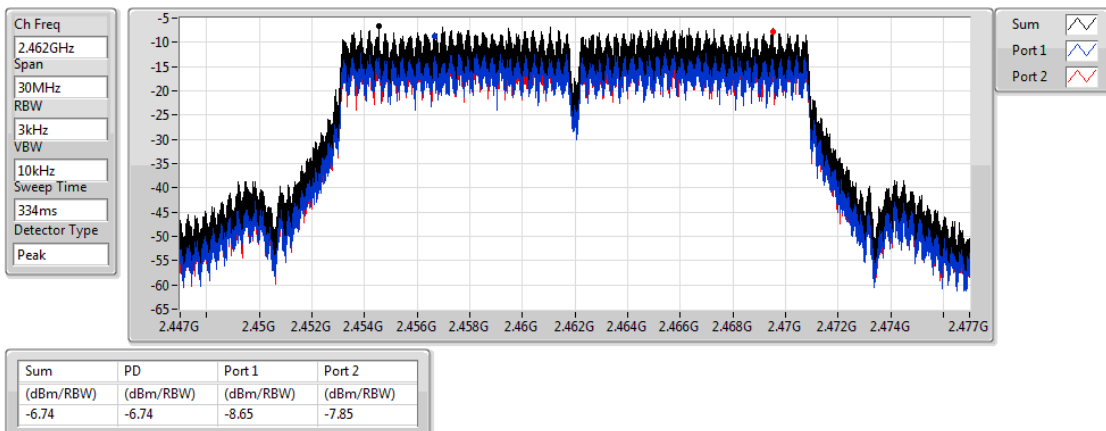


802.11n HT20_Nss1,(MCS0)_2TX

PSD

2462MHz

25/12/2017

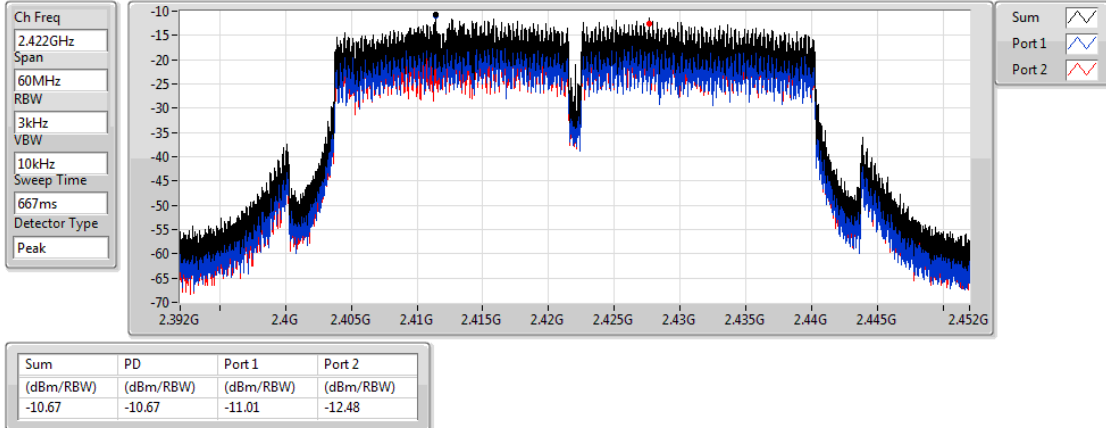


802.11n HT40_Nss1,(MCS0)_2TX

PSD

2422MHz

26/12/2017

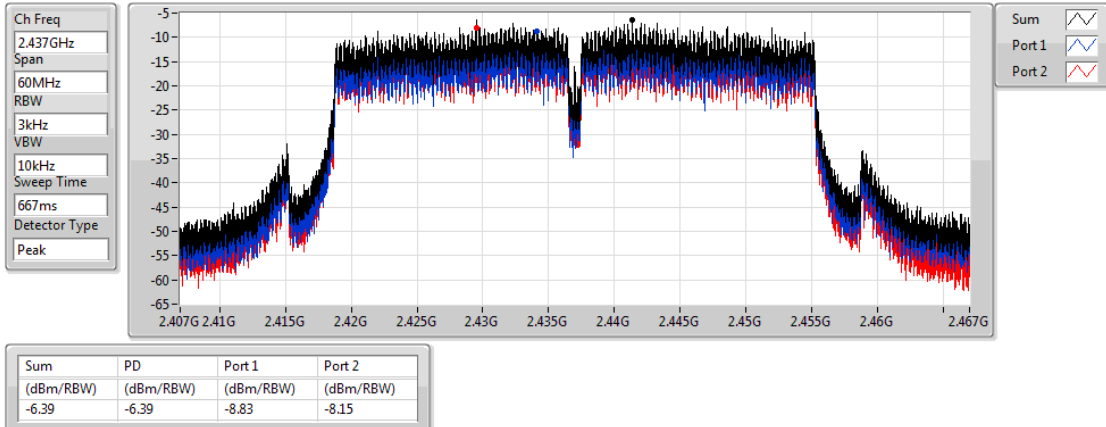


802.11n HT40_Nss1,(MCS0)_2TX

PSD

2437MHz

26/12/2017

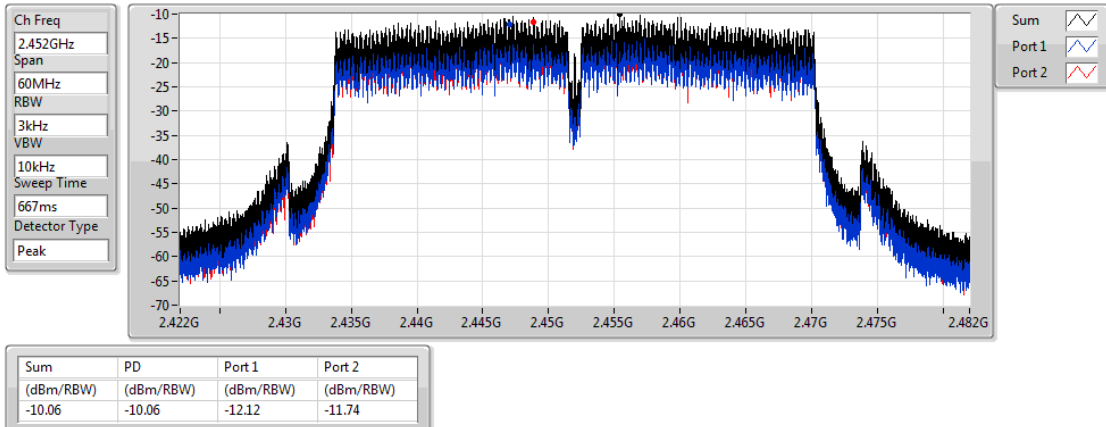


802.11n HT40_Nss1,(MCS0)_2TX

PSD

2452MHz

26/12/2017



**Summary**

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
11b-ANT1_Nss1,(1Mbps)_1TX	Pass	2.438076G	14.23	-15.77	2.30874G	-49.29	2.39856G	-27.35	2.48798G	-44.05	7.232327G	-33.92	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.432064G	11.69	-18.31	2.307575G	-52.98	2.3996G	-24.95	2.48934G	-49.38	7.240755G	-40.07	2
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.431897G	11.12	-18.88	1.84041G	-54.16	2.3996G	-27	2.49998G	-45.69	7.232327G	-42.68	2
802.11n HT40_Nss1,(MCS0)_2TX	Pass	2.431897G	5.18	-24.82	2.30397G	-56.44	2.39984G	-29.95	2.49102G	-51.78	3.228181G	-46.35	1

Result

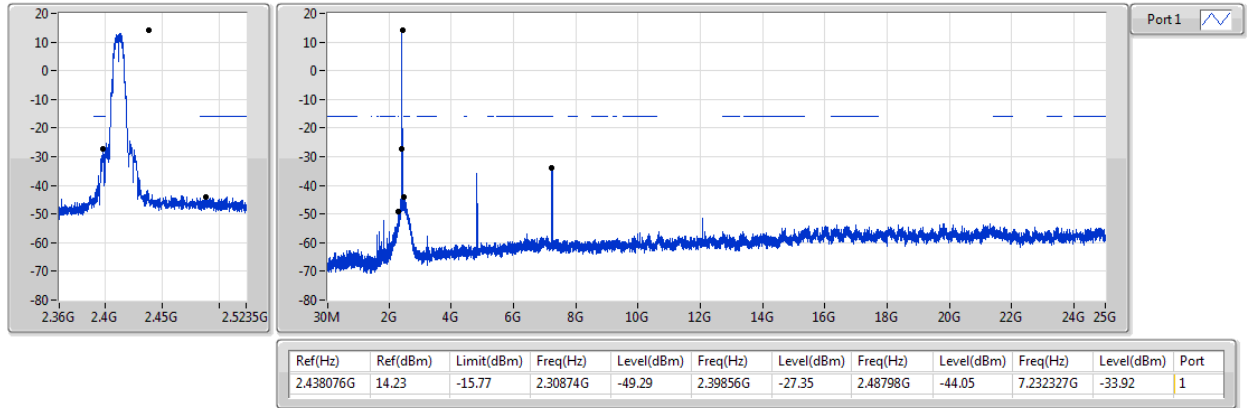
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
11b-ANT1_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.438076G	14.23	-15.77	2.30874G	-49.29	2.39856G	-27.35	2.48798G	-44.05	7.232327G	-33.92	2
2437MHz	Pass	2.438076G	14.23	-15.77	1.84041G	-52.55	2.398G	-44.17	2.4915G	-43.12	2.576882G	-46.56	2
2462MHz	Pass	2.438076G	14.23	-15.77	1.84041G	-52.7	2.39952G	-46.05	2.48646G	-39.77	2.540357G	-43.69	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.432064G	11.69	-18.31	1.84041G	-52.66	2.39952G	-26.33	2.49998G	-44.59	7.235136G	-41.22	1
2412MHz	Pass	2.432064G	11.69	-18.31	2.307575G	-52.98	2.3996G	-24.95	2.48934G	-49.38	7.240755G	-40.07	2
2437MHz	Pass	2.432064G	11.69	-18.31	1.84041G	-52.32	2.39984G	-36.63	2.48382G	-38.67	2.537548G	-46.87	1
2437MHz	Pass	2.432064G	11.69	-18.31	2.300585G	-50.64	2.39952G	-37.91	2.48446G	-40.91	3.248367G	-46.04	2
2462MHz	Pass	2.432064G	11.69	-18.31	1.84041G	-54.83	2.39456G	-51.14	2.48374G	-37.89	2.548786G	-48.23	1
2462MHz	Pass	2.432064G	11.69	-18.31	2.307575G	-55.14	2.39704G	-49.51	2.48374G	-40.36	3.282082G	-50.42	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.431897G	11.12	-18.88	2.309905G	-54.59	2.39968G	-29	2.49462G	-50.88	7.240755G	-44.21	1
2412MHz	Pass	2.431897G	11.12	-18.88	1.84041G	-54.16	2.3996G	-27	2.49998G	-45.69	7.232327G	-42.68	2
2437MHz	Pass	2.431897G	11.12	-18.88	2.300585G	-52.31	2.39672G	-39.91	2.4839G	-42.71	3.248367G	-47.02	1
2437MHz	Pass	2.431897G	11.12	-18.88	1.84041G	-52.3	2.39952G	-37.44	2.48638G	-39.01	2.562834G	-46.32	2
2462MHz	Pass	2.431897G	11.12	-18.88	2.30874G	-57.03	2.39824G	-50.79	2.48406G	-42.21	2.545977G	-50.68	1
2462MHz	Pass	2.431897G	11.12	-18.88	1.84041G	-55.25	2.3996G	-50.11	2.48486G	-39.47	2.545977G	-47.01	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.431897G	5.18	-24.82	2.30397G	-56.44	2.39984G	-29.95	2.49102G	-51.78	3.228181G	-46.35	1
2422MHz	Pass	2.431897G	5.18	-24.82	1.760095G	-47.57	2.39984G	-31.40	2.49998G	-47.84	21.435401G	-51.51	2
2437MHz	Pass	2.431897G	5.18	-24.82	2.30168G	-54.00	2.39888G	-34.50	2.48654G	-43.93	3.247813G	-46.40	1
2437MHz	Pass	2.431897G	5.18	-24.82	1.760095G	-46.13	2.39488G	-35.60	2.48382G	-41.24	2.571914G	-49.31	2
2452MHz	Pass	2.431897G	5.18	-24.82	2.30168G	-55.22	2.39888G	-49.63	2.4843G	-42.90	3.267445G	-49.13	1
2452MHz	Pass	2.431897G	5.18	-24.82	1.760095G	-47.29	2.39824G	-49.43	2.48574G	-40.19	2.566305G	-51.29	2

11b-ANT1_Nss1,(1Mbps)_1TX

CSE NdB

2412MHz

25/12/2017

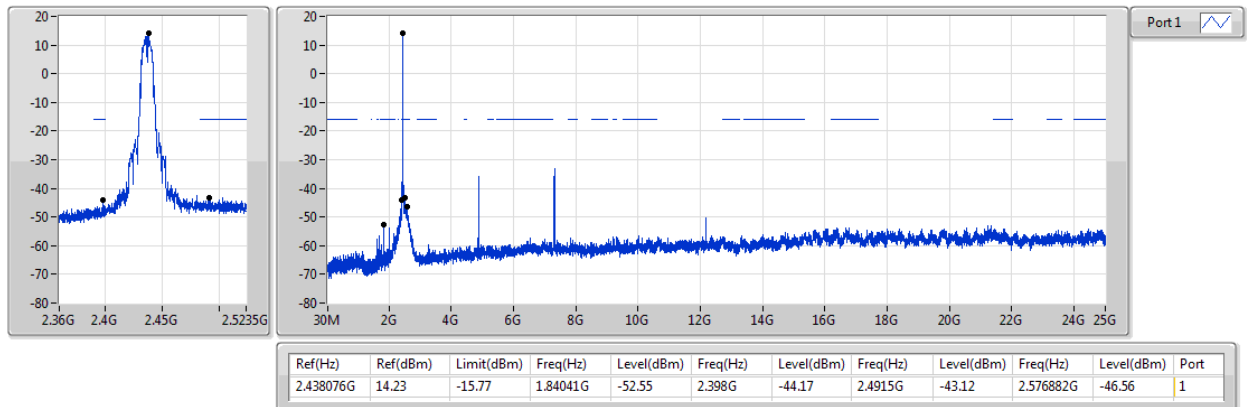


11b-ANT1_Nss1,(1Mbps)_1TX

CSE NdB

2437MHz

25/12/2017

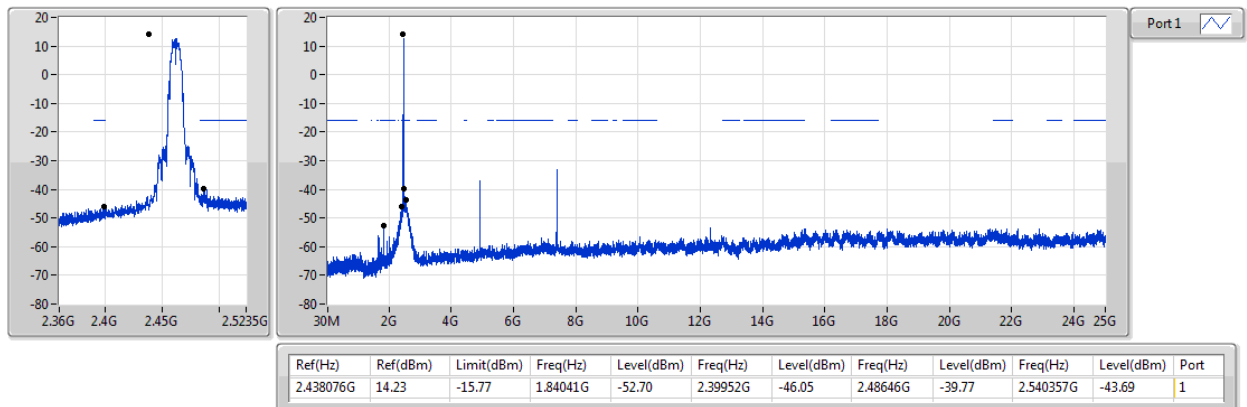


11b-ANT1_Nss1,(1Mbps)_1TX

CSE NdB

2462MHz

25/12/2017

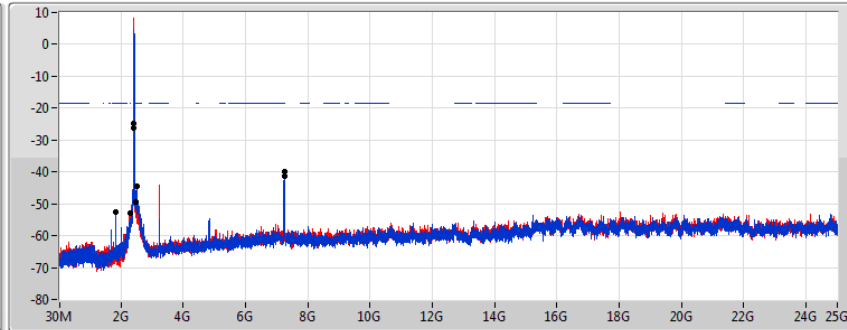
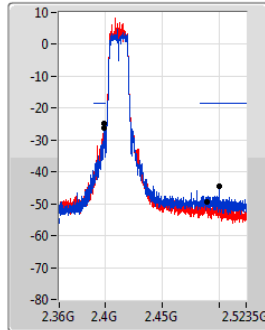


802.11g_Nss1,(6Mbps)_2TX

CSE NdB

2412MHz

25/12/2017


Port 1
Port 2

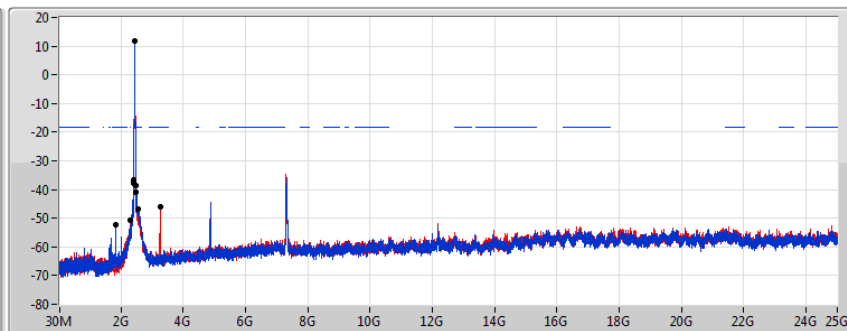
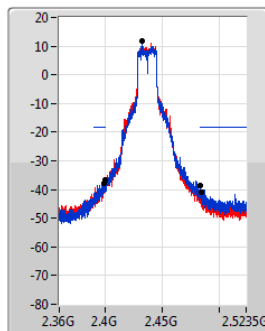
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.432064G	11.69	-18.31	1.84041G	-52.66	2.39952G	-26.33	2.49998G	-44.59	7.235136G	-41.22	1
2.432064G	11.69	-18.31	2.307575G	-52.98	2.3996G	-24.95	2.48934G	-49.38	7.240755G	-40.07	2

802.11g_Nss1,(6Mbps)_2TX

CSE NdB

2437MHz

25/12/2017


Port 1
Port 2

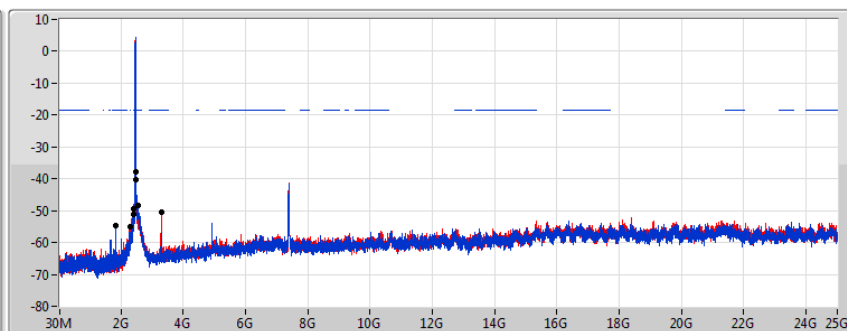
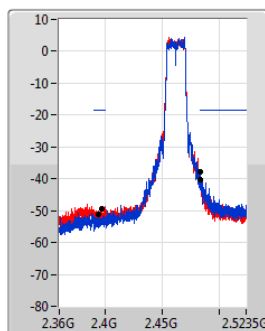
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.432064G	11.69	-18.31	1.84041G	-52.32	2.39984G	-36.63	2.48382G	-38.67	2.537548G	-46.87	1
2.432064G	11.69	-18.31	2.300585G	-50.64	2.39952G	-37.91	2.48446G	-40.91	3.248367G	-46.04	2

802.11g_Nss1,(6Mbps)_2TX

CSE NdB

2462MHz

25/12/2017


Port 1
Port 2

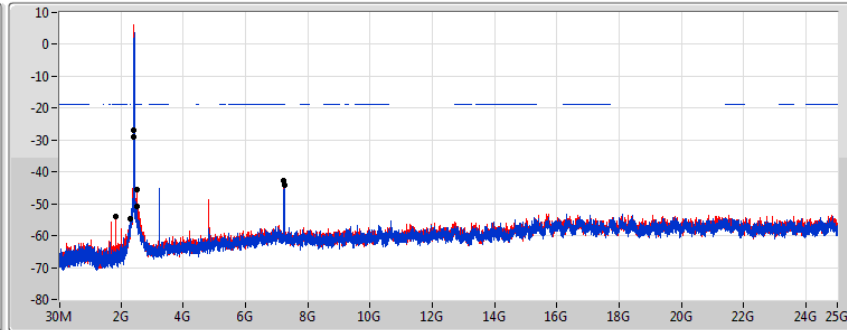
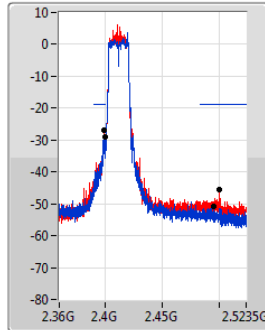
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.432064G	11.69	-18.31	1.84041G	-54.83	2.39456G	-51.14	2.48374G	-37.89	2.548786G	-48.23	1
2.432064G	11.69	-18.31	2.307575G	-55.14	2.39704G	-49.51	2.48374G	-40.36	3.282082G	-50.42	2

802.11n HT20_Nss1,(MCS0)_2TX

CSE NdB

2412MHz

25/12/2017


Port 1
Port 2

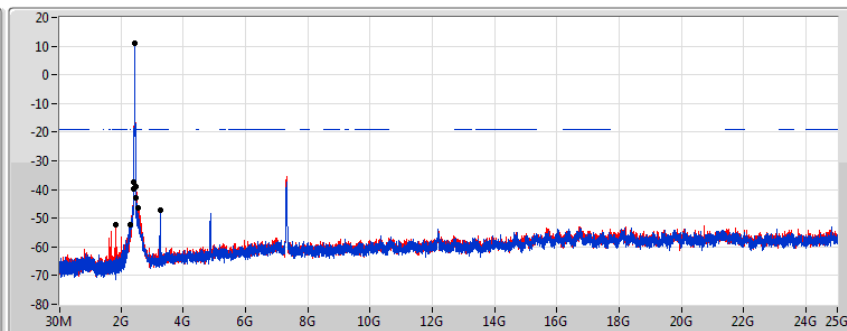
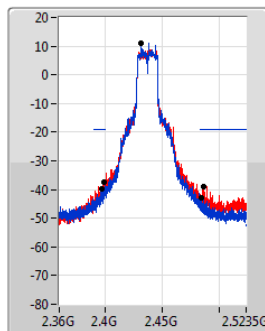
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.431897G	11.12	-18.88	2.309905G	-54.59	2.39968G	-29.00	2.49462G	-50.88	7.240755G	-44.21	1
2.431897G	11.12	-18.88	1.84041G	-54.16	2.3996G	-27.00	2.49998G	-45.69	7.232327G	-42.68	2

802.11n HT20_Nss1,(MCS0)_2TX

CSE NdB

2437MHz

25/12/2017


Port 1
Port 2

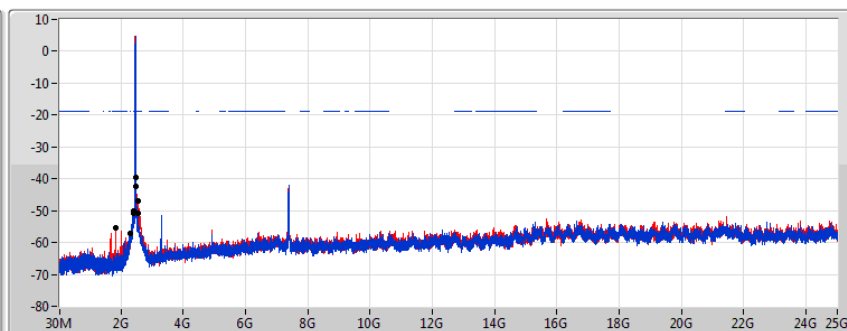
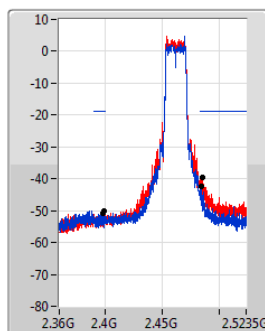
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.431897G	11.12	-18.88	2.300585G	-52.31	2.39672G	-39.91	2.4839G	-42.71	3.248367G	-47.02	1
2.431897G	11.12	-18.88	1.84041G	-52.30	2.39952G	-37.44	2.48638G	-39.01	2.562834G	-46.32	2

802.11n HT20_Nss1,(MCS0)_2TX

CSE NdB

2462MHz

25/12/2017


Port 1
Port 2

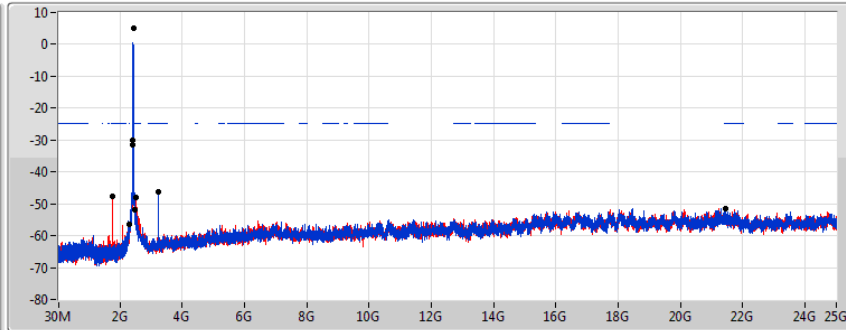
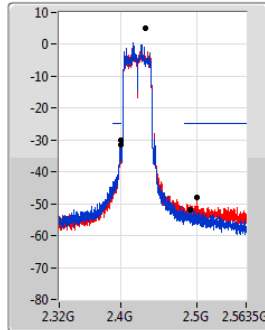
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.431897G	11.12	-18.88	2.30874G	-57.03	2.39824G	-50.79	2.48406G	-42.21	2.545977G	-50.68	1
2.431897G	11.12	-18.88	1.84041G	-55.25	2.3996G	-50.11	2.48486G	-39.47	2.545977G	-47.01	2

802.11n HT40_Nss1,(MCS0)_2TX

CSE NdB

2422MHz

26/12/2017



Port 1 
Port 2 

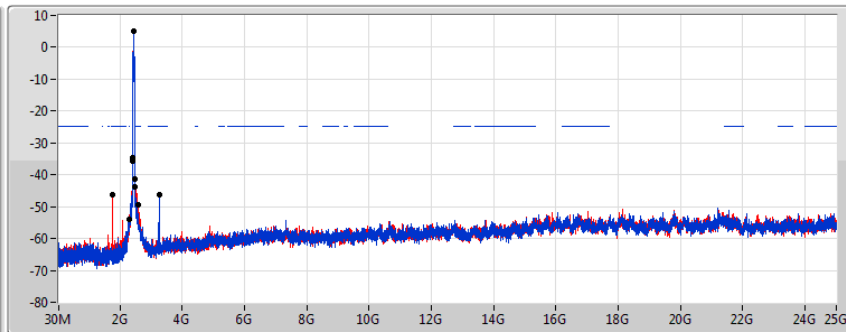
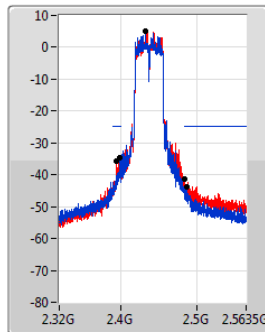
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.431897G	5.18	-24.82	2.30397G	-56.44	2.39984G	-29.95	2.49102G	-51.78	3.228181G	-46.35	1
2.431897G	5.18	-24.82	1.760095G	-47.57	2.39984G	-31.40	2.49998G	-47.84	21.435401G	-51.51	2

802.11n HT40_Nss1,(MCS0)_2TX

CSE NdB

2437MHz

26/12/2017



Port 1 
Port 2 

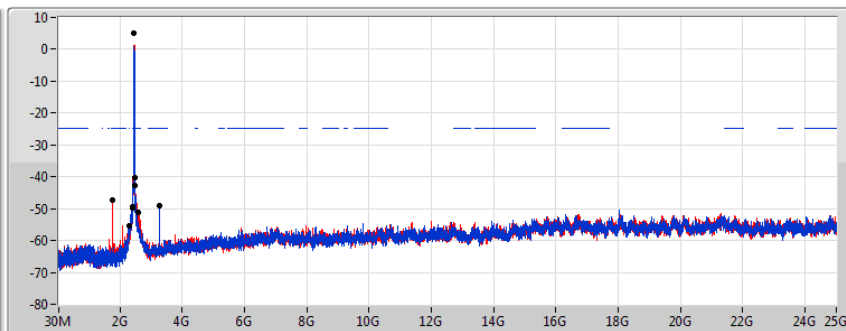
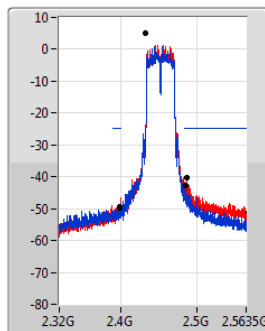
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.431897G	5.18	-24.82	2.30168G	-54.00	2.39888G	-34.50	2.48654G	-43.93	3.247813G	-46.40	1
2.431897G	5.18	-24.82	1.760095G	-46.13	2.39488G	-35.60	2.48382G	-41.24	2.571914G	-49.31	2

802.11n HT40_Nss1,(MCS0)_2TX

CSE NdB

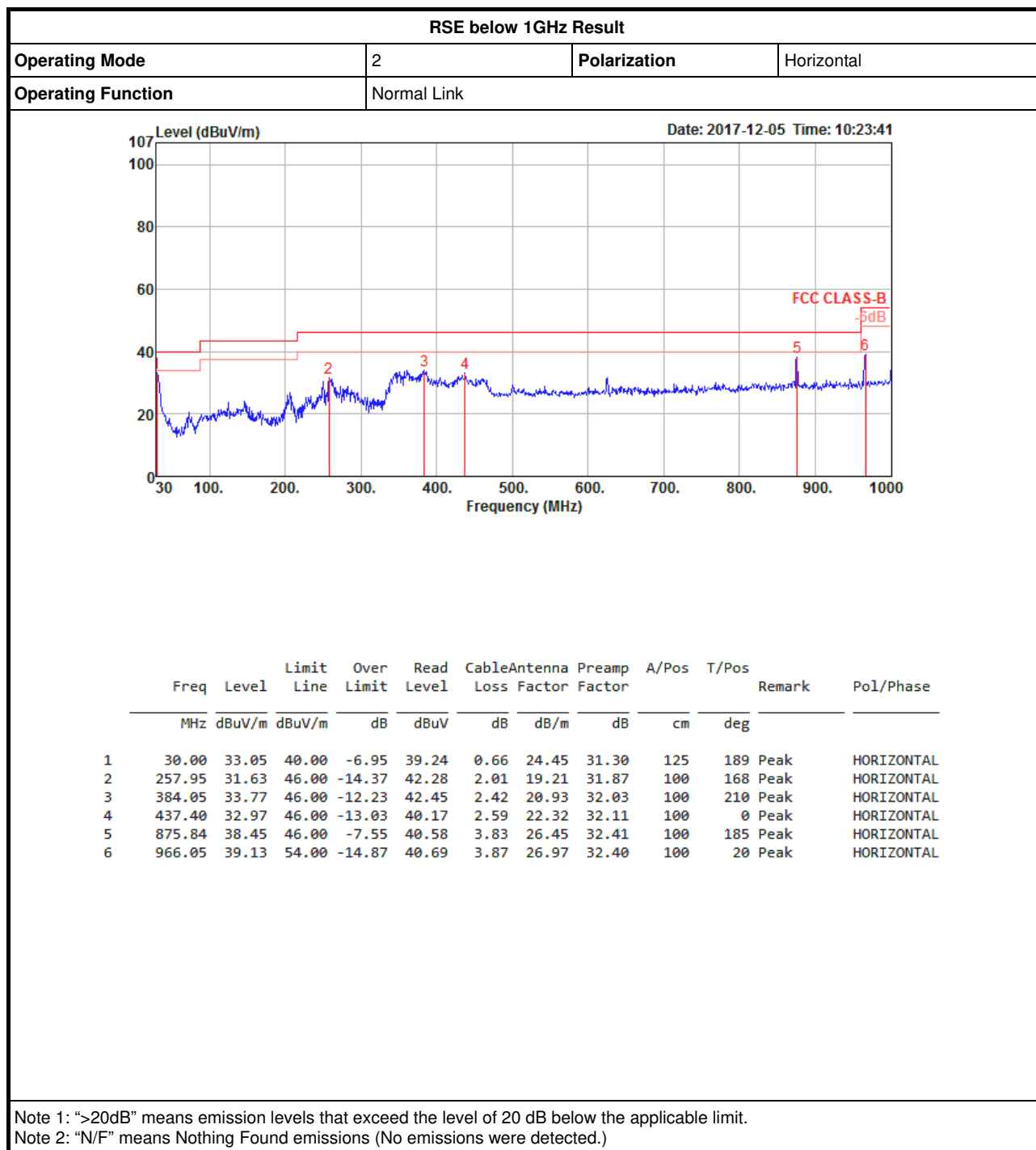
2452MHz

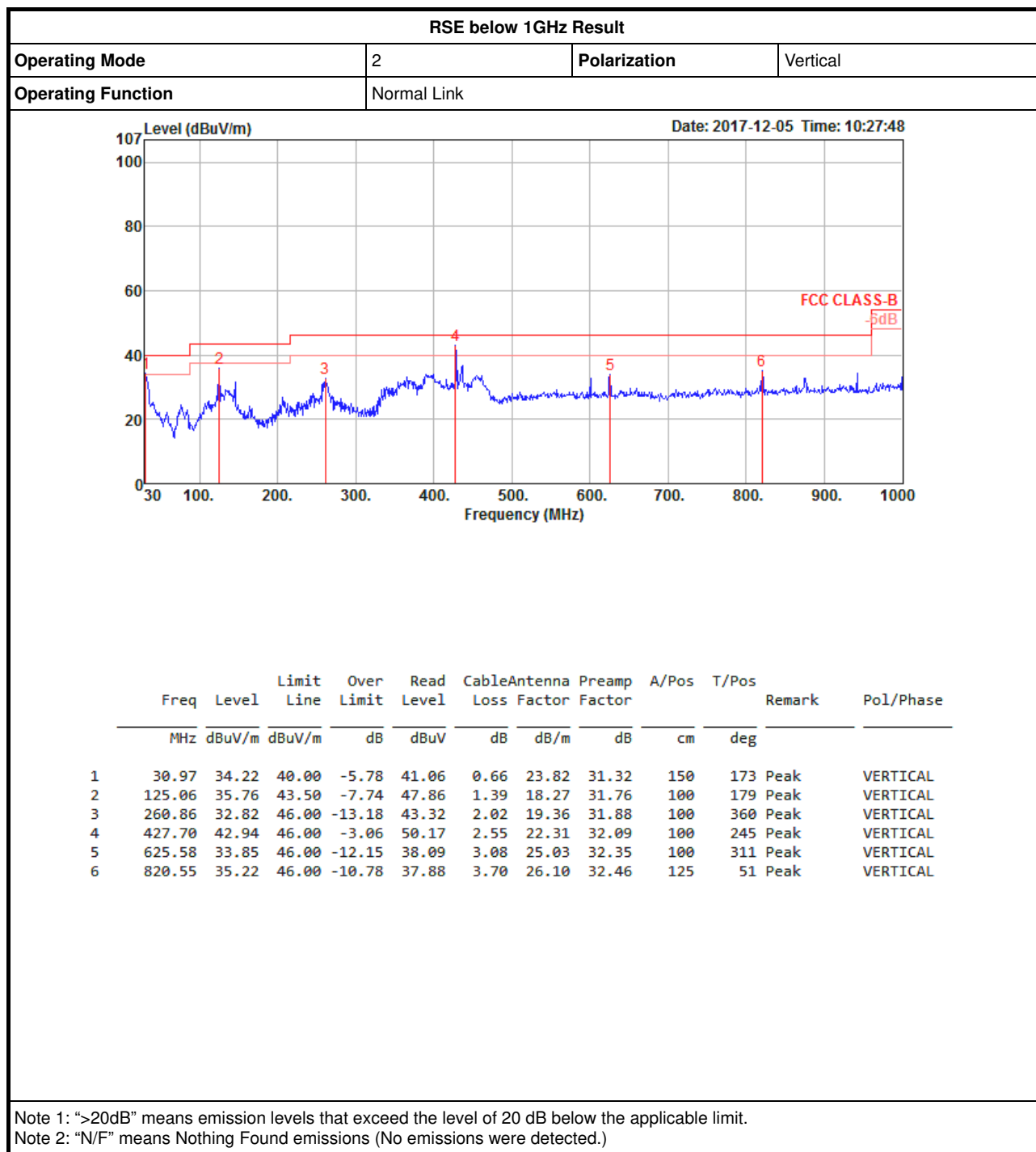
26/12/2017



Port 1 
Port 2 

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.431897G	5.18	-24.82	2.30168G	-55.22	2.39888G	-49.63	2.4843G	-42.90	3.267445G	-49.13	1
2.431897G	5.18	-24.82	1.760095G	-47.29	2.39824G	-49.43	2.48574G	-40.19	2.566305G	-51.29	2







RSE TX above 1GHz Result

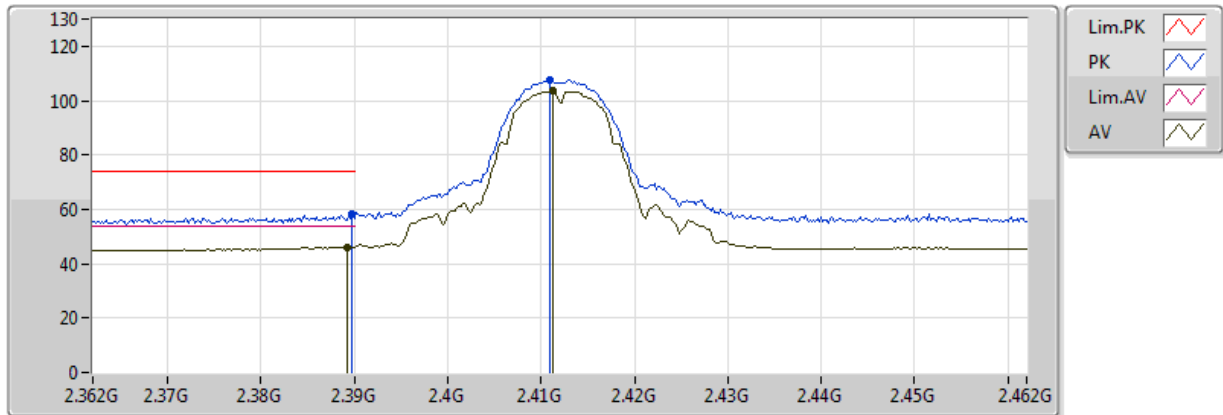
Appendix F.2

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_2TX	Pass	AV	2.483502G	53.00	54.00	-1.00	32.42	3	Horizontal	88	1.93	-

11b-ANT1_Nss1,(1Mbps)_1TX

2412MHz_TX

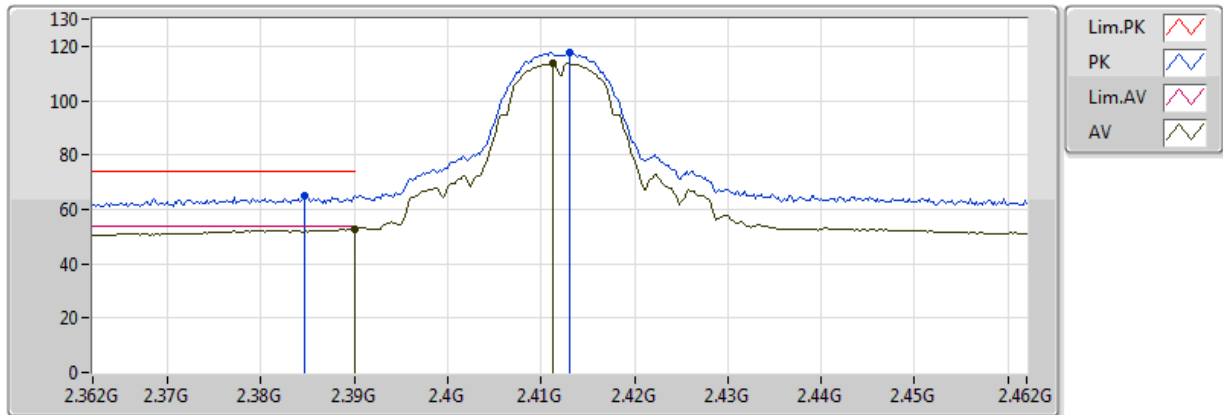


20171125
EUT Y_1TX (ANT1)
Setting 90
03-Z-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.3892G	46.20	54.00	-7.80	31.92	3	Vertical	113	2.93					
AV	2.4112G	103.62	Inf	-Inf	31.98	3	Vertical	113	2.93					
PK	2.3898G	58.42	74.00	-15.58	31.92	3	Vertical	113	2.93					
PK	2.411G	107.39	Inf	-Inf	31.98	3	Vertical	113	2.93					

11b-ANT1_Nss1,(1Mbps)_1TX

2412MHz_TX

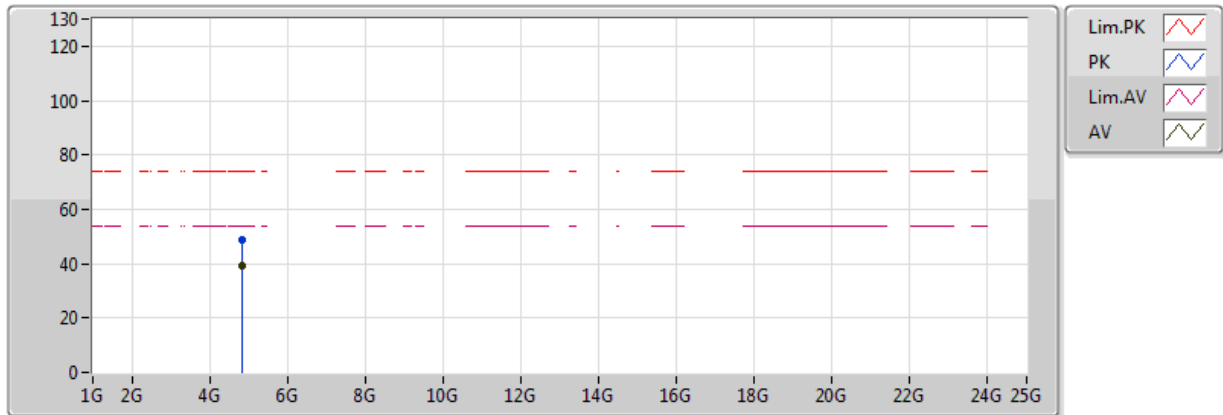


20171125
EUT Y_1TX (ANT1)
Setting 90
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.39G	52.90	54.00	-1.10	31.92	3	Horizontal	100	1.81					
AV	2.4112G	113.70	Inf	-Inf	31.98	3	Horizontal	100	1.81					
PK	2.3846G	65.02	74.00	-8.98	31.91	3	Horizontal	100	1.81					
PK	2.413G	117.53	Inf	-Inf	31.99	3	Horizontal	100	1.81					

11b-ANT1_Nss1,(1Mbps)_1TX

2412MHz_TX

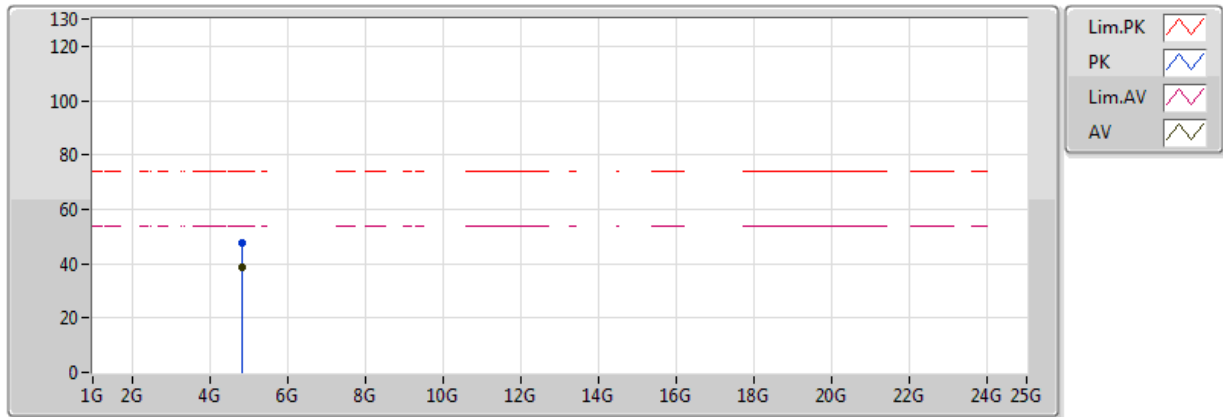


20171125
EUT Y_1TX (ANT1)
Setting 90
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	4.82404G	39.17	54.00	-14.83	4.38	3	Vertical	108	2.87					
PK	4.82394G	48.60	74.00	-25.40	4.38	3	Vertical	108	2.87					

11b-ANT1_Nss1,(1Mbps)_1TX

2412MHz_TX

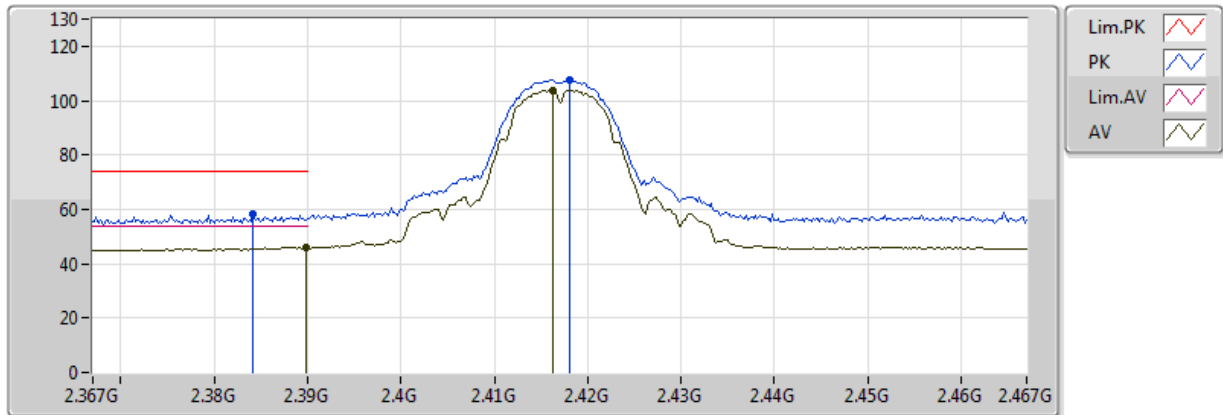


20171125
EUT Y_1TX (ANT1)
Setting 90
03-Z-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	4.82406G	38.77	54.00	-15.23	4.38	3	Horizontal	157	1.46					
PK	4.82384G	47.37	74.00	-26.63	4.38	3	Horizontal	157	1.46					

11b-ANT1_Nss1,(1Mbps)_1TX

2417MHz_TX

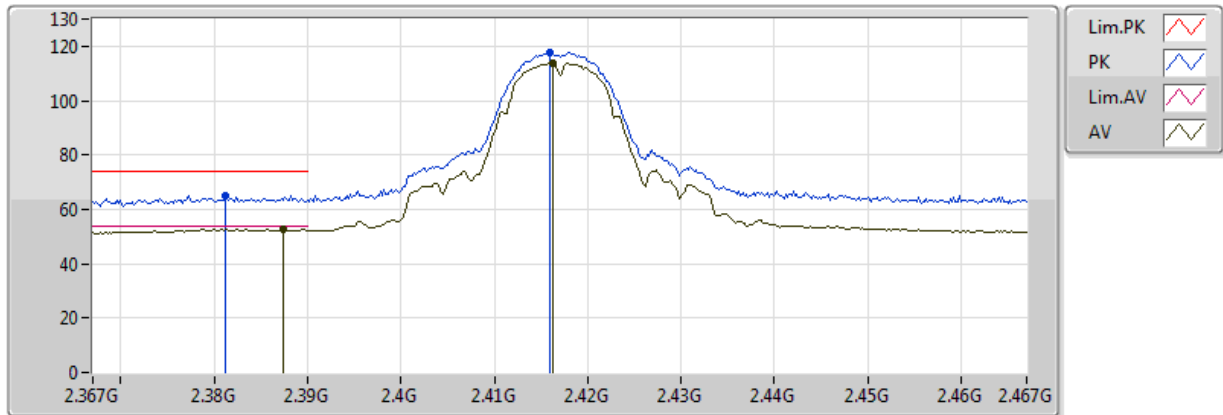


20171125
EUT Y_1TX (ANT1)
Setting 92
03-Z-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.3898G	45.96	54.00	-8.04	31.92	3	Vertical	127	2.94					
AV	2.4162G	103.91	Inf	-Inf	32.00	3	Vertical	127	2.94					
PK	2.3842G	58.09	74.00	-15.91	31.91	3	Vertical	127	2.94					
PK	2.418G	107.66	Inf	-Inf	32.01	3	Vertical	127	2.94					

11b-ANT1_Nss1,(1Mbps)_1TX

2417MHz_TX

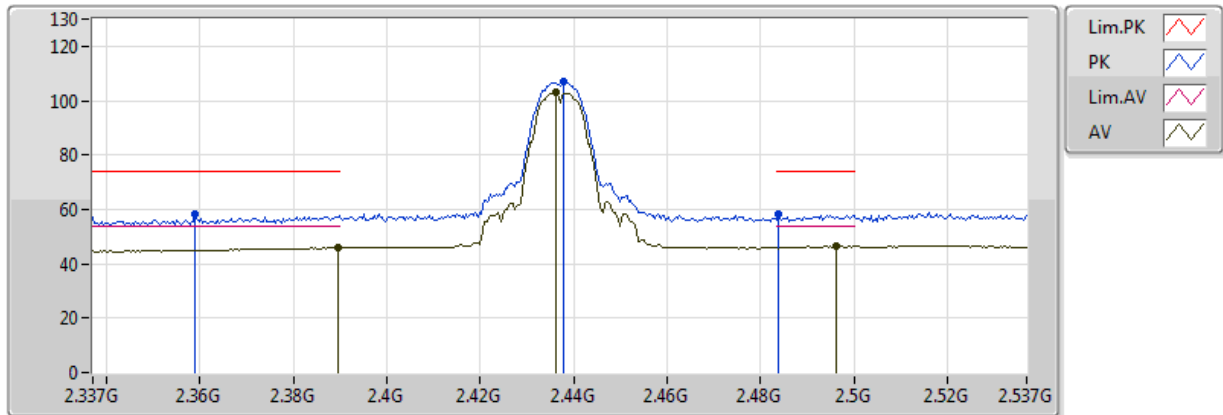


20171125
EUT Y_1TX (ANT1)
Setting 92
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.3874G	52.63	54.00	-1.37	31.92	3	Horizontal	96	1.82					
AV	2.4162G	113.86	Inf	-Inf	32.00	3	Horizontal	96	1.82					
PK	2.3812G	64.93	74.00	-9.07	31.90	3	Horizontal	96	1.82					
PK	2.416G	117.52	Inf	-Inf	32.00	3	Horizontal	96	1.82					

11b-ANT1_Nss1,(1Mbps)_1TX

2437MHz_TX

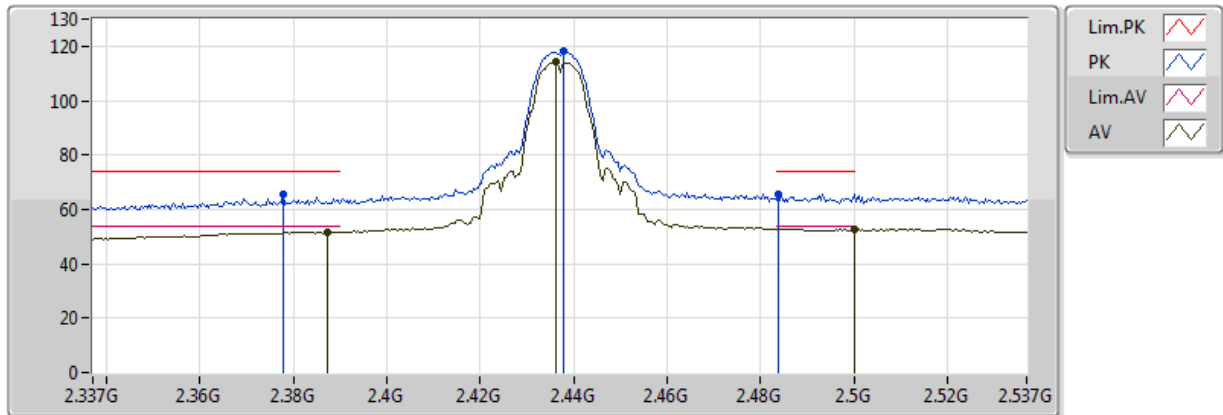


20171125
EUT Y_1TX (ANT1)
Setting 92
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.3894G	45.91	54.00	-8.09	31.92	3	Vertical	116	2.99					
AV	2.4362G	103.10	Inf	-Inf	32.06	3	Vertical	116	2.99					
AV	2.4962G	46.41	54.00	-7.59	32.25	3	Vertical	116	2.99					
PK	2.359G	58.04	74.00	-15.96	31.85	3	Vertical	116	2.99					
PK	2.4378G	106.84	Inf	-Inf	32.07	3	Vertical	116	2.99					
PK	2.4838G	58.17	74.00	-15.83	32.21	3	Vertical	116	2.99					

11b-ANT1_Nss1,(1Mbps)_1TX

2437MHz_TX

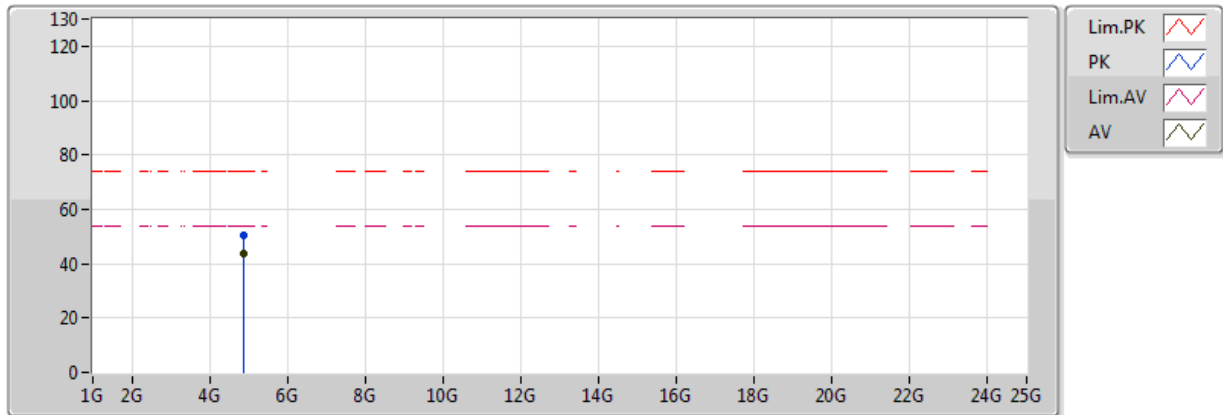


20171125
EUT Y_1TX (ANT1)
Setting 92
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.3874G	51.68	54.00	-2.32	31.92	3	Horizontal	98	1.77					
AV	2.4362G	114.25	Inf	-Inf	32.06	3	Horizontal	98	1.77					
AV	2.499998G	52.82	54.00	-1.18	32.26	3	Horizontal	98	1.77					
PK	2.3778G	65.84	74.00	-8.16	31.89	3	Horizontal	98	1.77					
PK	2.4378G	118.10	Inf	-Inf	32.07	3	Horizontal	98	1.77					
PK	2.4838G	65.50	74.00	-8.50	32.21	3	Horizontal	98	1.77					

11b-ANT1_Nss1,(1Mbps)_1TX

2437MHz_TX

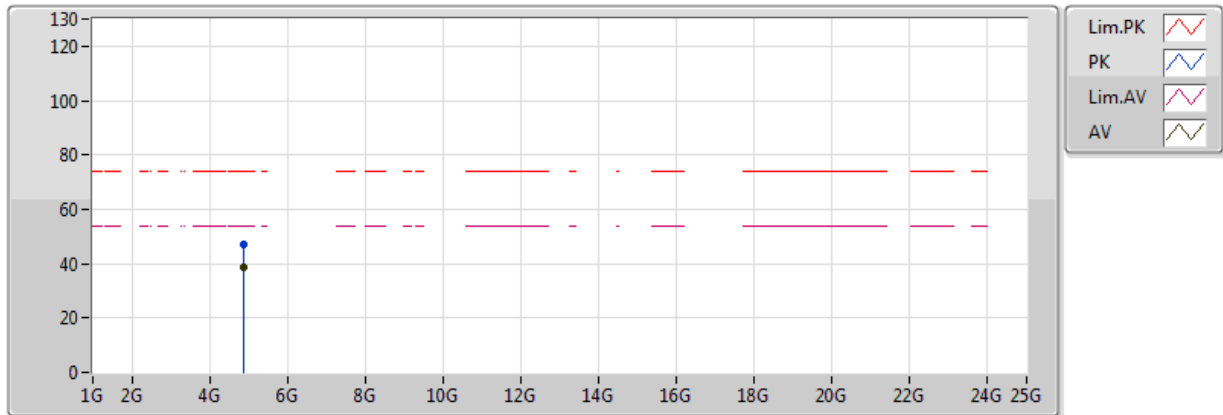


20171125
EUT Y_1TX (ANT1)
Setting 92
03-Z-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	4.87398G	43.97	54.00	-10.03	4.58	3	Vertical	108	2.99					
PK	4.87406G	50.29	74.00	-23.71	4.58	3	Vertical	108	2.99					

11b-ANT1_Nss1,(1Mbps)_1TX

2437MHz_TX

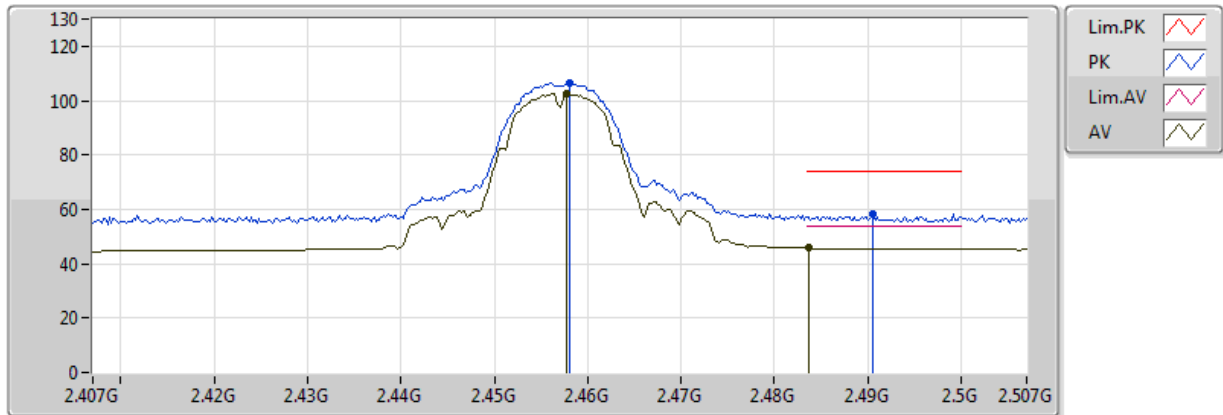


20171125
EUT Y_1TX (ANT1)
Setting 92
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	4.87392G	38.62	54.00	-15.38	4.58	3	Horizontal	148	1.50					
PK	4.87408G	47.22	74.00	-26.78	4.58	3	Horizontal	148	1.50					

11b-ANT1_Nss1,(1Mbps)_1TX

2457MHz_TX

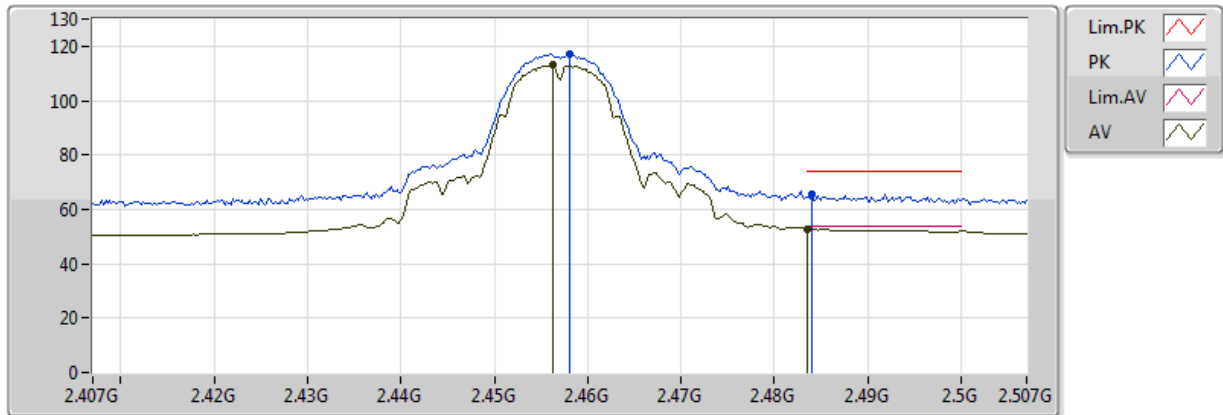


20171125
EUT Y_1TX (ANT1)
Setting 92
03-Z-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.4578G	102.38	Inf	-Inf	32.13	3	Vertical	131	2.84					
AV	2.4836G	45.76	54.00	-8.24	32.21	3	Vertical	131	2.84					
PK	2.458G	106.57	Inf	-Inf	32.13	3	Vertical	131	2.84					
PK	2.4906G	58.32	74.00	-15.68	32.23	3	Vertical	131	2.84					

11b-ANT1_Nss1,(1Mbps)_1TX

2457MHz_TX

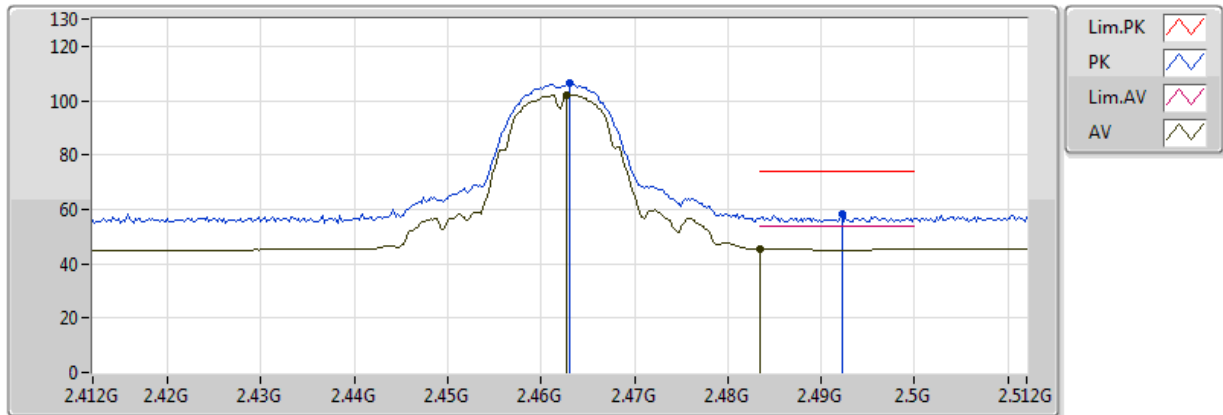


20171125
EUT Y_1TX (ANT1)
Setting 92
03-Z-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.4562G	112.94	Inf	-Inf	32.12	3	Horizontal	98	1.55					
AV	2.483502G	52.90	54.00	-1.10	32.21	3	Horizontal	98	1.55					
PK	2.458G	116.91	Inf	-Inf	32.13	3	Horizontal	98	1.55					
PK	2.484G	65.71	74.00	-8.29	32.21	3	Horizontal	98	1.55					

11b-ANT1_Nss1,(1Mbps)_1TX

2462MHz_TX

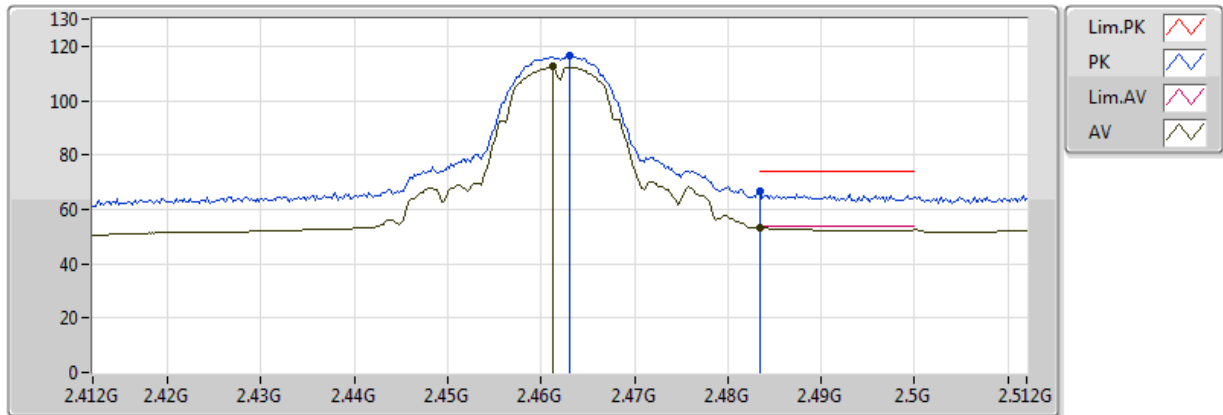


20171125
EUT Y_1TX (ANT1)
Setting 90
03-Z-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.4628G	102.01	Inf	-Inf	32.14	3	Vertical	131	2.61					
AV	2.483502G	45.45	54.00	-8.55	32.21	3	Vertical	131	2.61					
PK	2.463G	106.19	Inf	-Inf	32.15	3	Vertical	131	2.61					
PK	2.4922G	58.01	74.00	-15.99	32.24	3	Vertical	131	2.61					

11b-ANT1_Nss1,(1Mbps)_1TX

2462MHz_TX

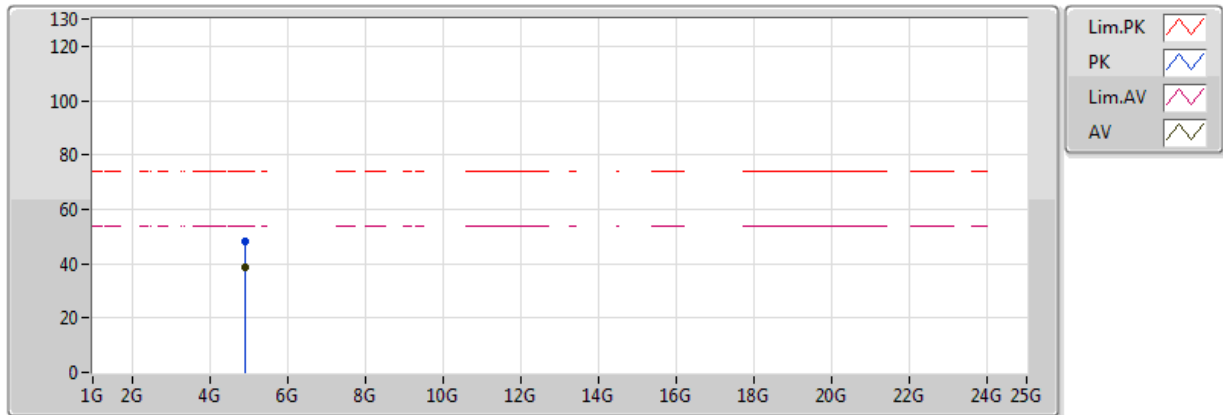


20171125
EUT Y_1TX (ANT1)
Setting 90
03-Z-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.4612G	112.54	Inf	-Inf	32.14	3	Horizontal	96	1.75					
AV	2.483502G	52.97	54.00	-1.03	32.21	3	Horizontal	96	1.75					
PK	2.463G	116.45	Inf	-Inf	32.15	3	Horizontal	96	1.75					
PK	2.483502G	66.41	74.00	-7.59	32.21	3	Horizontal	96	1.75					

11b-ANT1_Nss1,(1Mbps)_1TX

2462MHz_TX

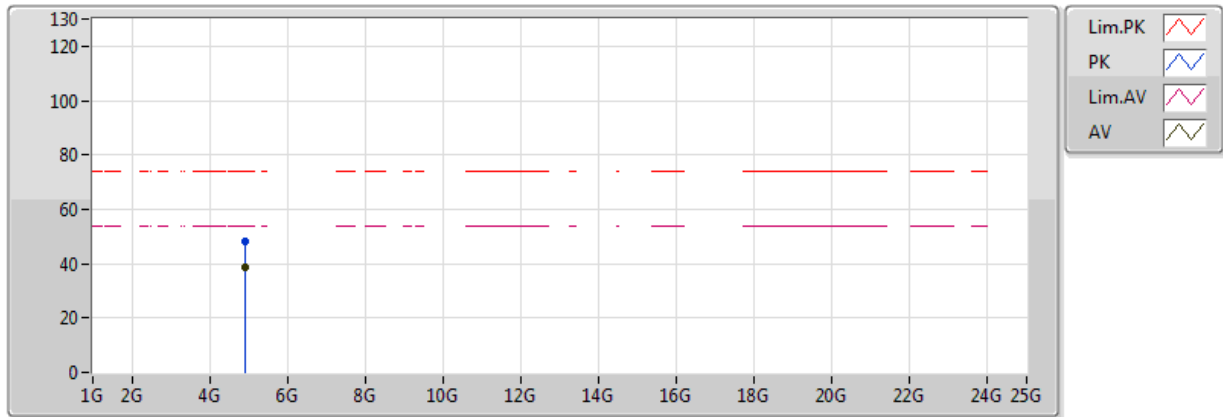


20171125
EUT Y_1TX (ANT1)
Setting 90
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	4.92404G	38.84	54.00	-15.16	4.78	3	Vertical	343	1.11					
PK	4.92396G	48.12	74.00	-25.88	4.78	3	Vertical	343	1.11					

11b-ANT1_Nss1,(1Mbps)_1TX

2462MHz_TX

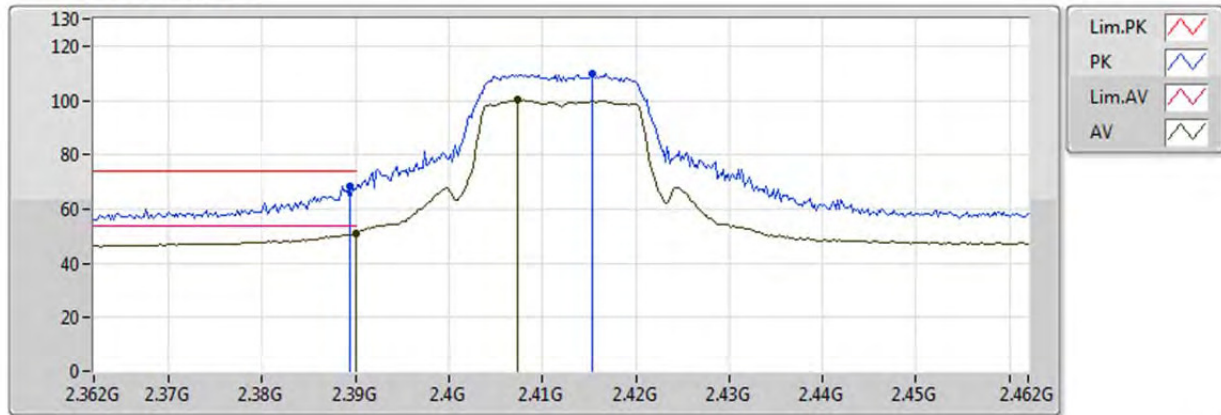


20171125
EUT Y_1TX (ANT1)
Setting 90
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	4.92408G	38.87	54.00	-15.13	4.78	3	Horizontal	231	1.20					
PK	4.92412G	47.96	74.00	-26.04	4.78	3	Horizontal	231	1.20					

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

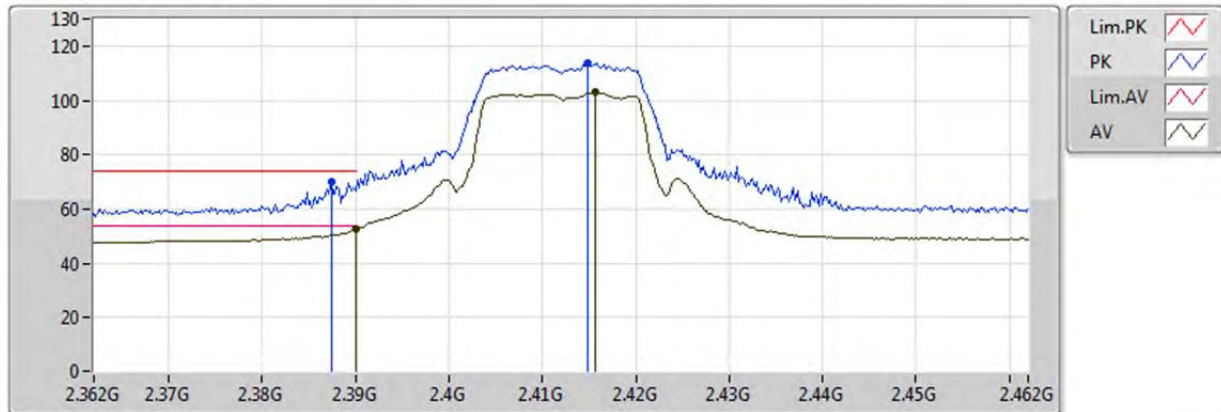


20171121
EUT Y_2TX
Setting 72
06-L-3
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
AV	2.39G	50.95	54.00	-3.05	32.12	3	Vertical	0	1.74						
AV	2.4074G	100.35	Inf	-Inf	32.17	3	Vertical	0	1.74						
PK	2.3894G	68.52	74.00	-5.48	32.12	3	Vertical	0	1.74						
PK	2.4154G	109.82	Inf	-Inf	32.20	3	Vertical	0	1.74						

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

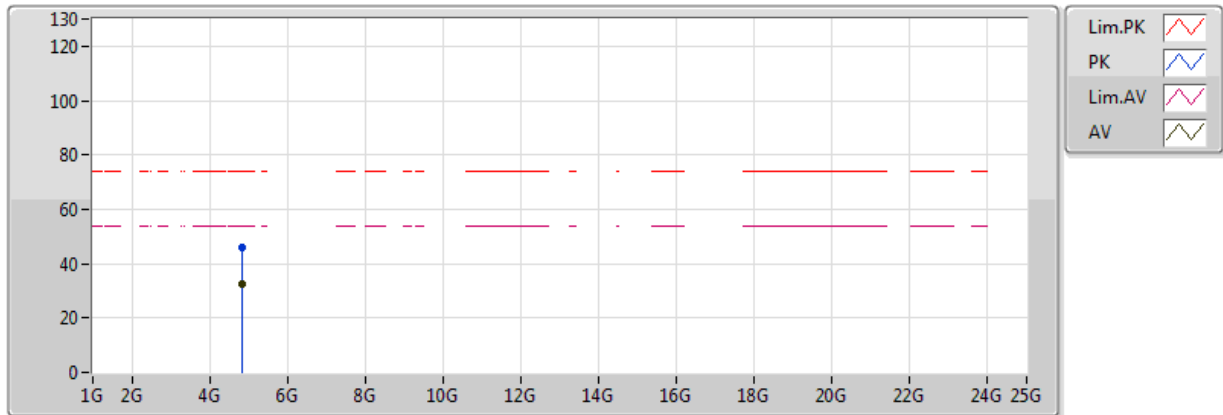


20171121
EUT Y_2TX
Setting 72
06-L-3
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.39G	52.90	54.00	-1.10	32.12	3	Horizontal	89	1.74					
AV	2.4156G	102.85	Inf	-Inf	32.20	3	Horizontal	89	1.74					
PK	2.3874G	69.78	74.00	-4.22	32.11	3	Horizontal	89	1.74					
PK	2.4148G	113.70	Inf	-Inf	32.20	3	Horizontal	89	1.74					

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

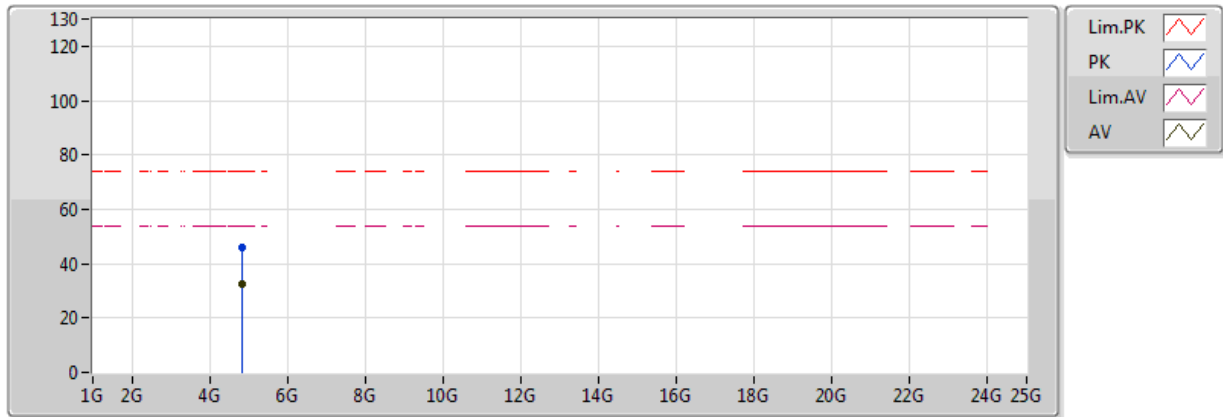


20171125
EUT Y_2TX
Setting 72
03-Z-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	4.825G	32.55	54.00	-21.45	4.38	3	Vertical	111	1.50					
PK	4.82792G	45.68	74.00	-28.32	4.39	3	Vertical	111	1.50					

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

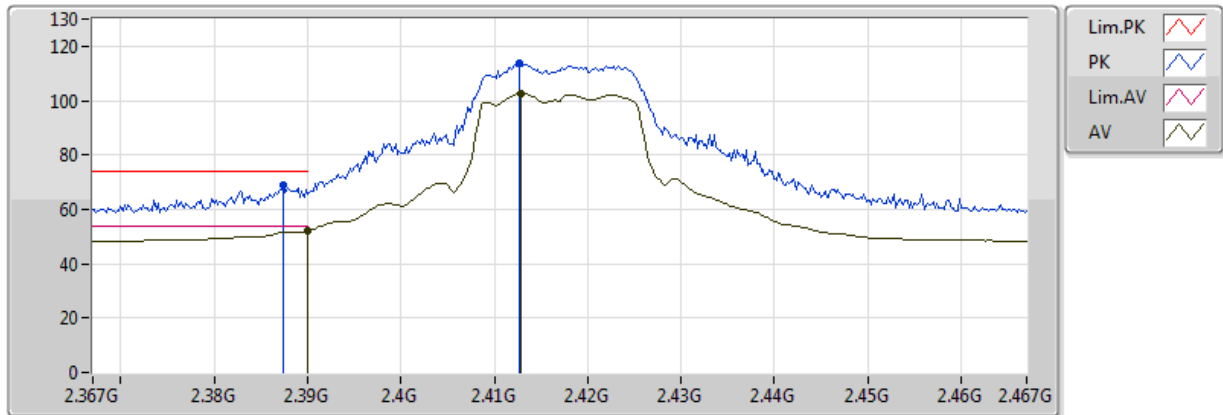


20171125
EUT Y_2TX
Setting 72
03-Z-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	4.82488G	32.42	54.00	-21.58	4.38	3	Horizontal	278	1.22					
PK	4.83048G	46.00	74.00	-28.00	4.40	3	Horizontal	278	1.22					

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

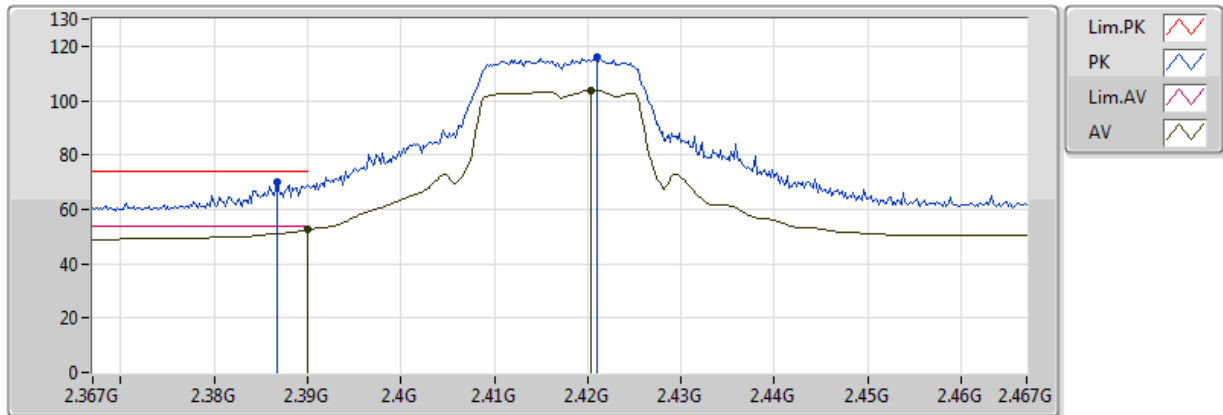


20171121
EUT Y_2TX
Setting 81
06-L-3
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.39G	51.85	54.00	-2.15	32.12	3	Vertical	279	1.73					
AV	2.4128G	102.66	Inf	-Inf	32.19	3	Vertical	279	1.73					
PK	2.3874G	68.90	74.00	-5.10	32.11	3	Vertical	279	1.73					
PK	2.4126G	113.61	Inf	-Inf	32.19	3	Vertical	279	1.73					

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

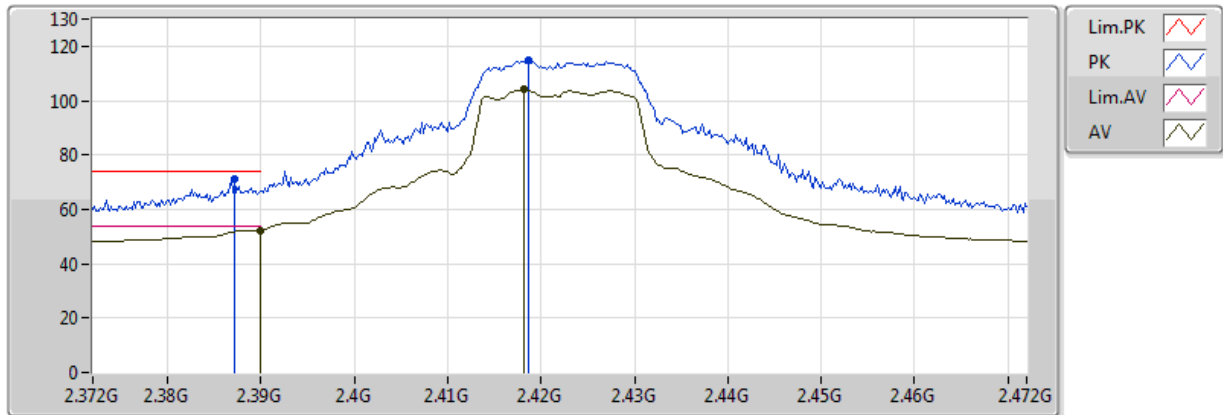


20171121
EUT Y_2TX
Setting 81
06-L-3
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.39G	52.57	54.00	-1.43	32.12	3	Horizontal	83	1.76					
AV	2.4204G	103.88	Inf	-Inf	32.22	3	Horizontal	83	1.76					
PK	2.3868G	69.82	74.00	-4.18	32.11	3	Horizontal	83	1.76					
PK	2.421G	116.08	Inf	-Inf	32.22	3	Horizontal	83	1.76					

802.11g_Nss1,(6Mbps)_2TX

2422MHz_TX

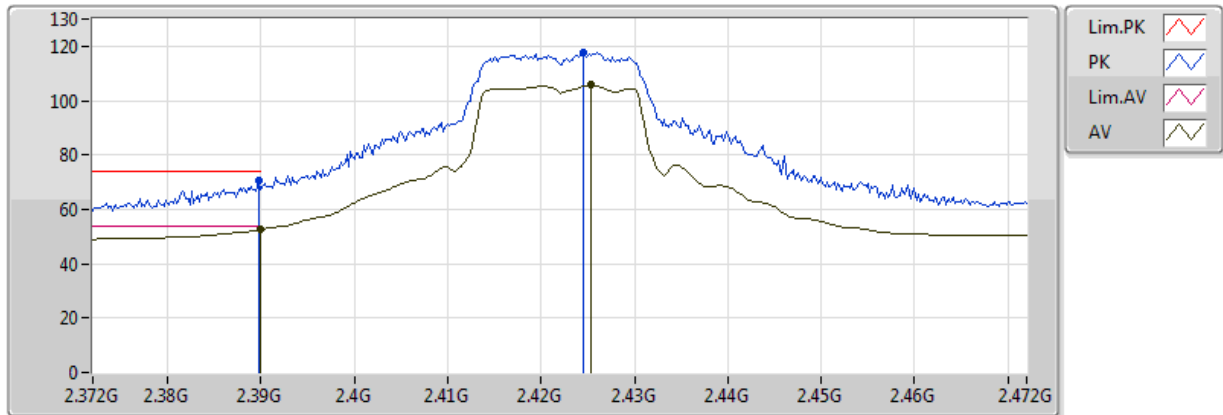


20171121
EUT Y_2TX
Setting 87
06-L-3
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.39G	52.05	54.00	-1.95	32.12	3	Vertical	279	1.74					
AV	2.4182G	103.95	Inf	-Inf	32.21	3	Vertical	279	1.74					
PK	2.3872G	71.03	74.00	-2.97	32.11	3	Vertical	279	1.74					
PK	2.4186G	114.85	Inf	-Inf	32.21	3	Vertical	279	1.74					

802.11g_Nss1,(6Mbps)_2TX

2422MHz_TX

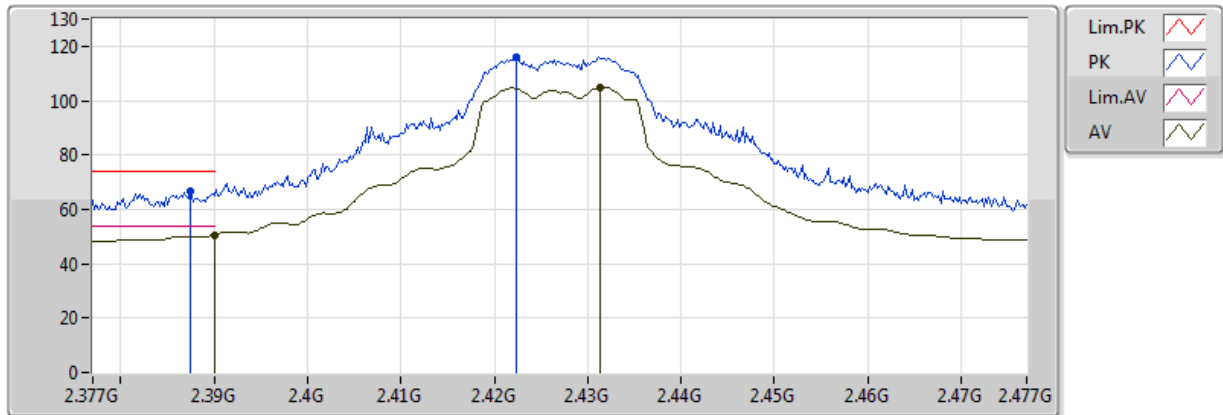


20171121
EUT Y_2TX
Setting 87
06-L-3
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.39G	52.64	54.00	-1.36	32.12	3	Horizontal	87	1.77					
AV	2.4254G	105.63	Inf	-Inf	32.23	3	Horizontal	87	1.77					
PK	2.3898G	70.62	74.00	-3.38	32.12	3	Horizontal	87	1.77					
PK	2.4246G	117.92	Inf	-Inf	32.23	3	Horizontal	87	1.77					

802.11g_Nss1,(6Mbps)_2TX

2427MHz_TX

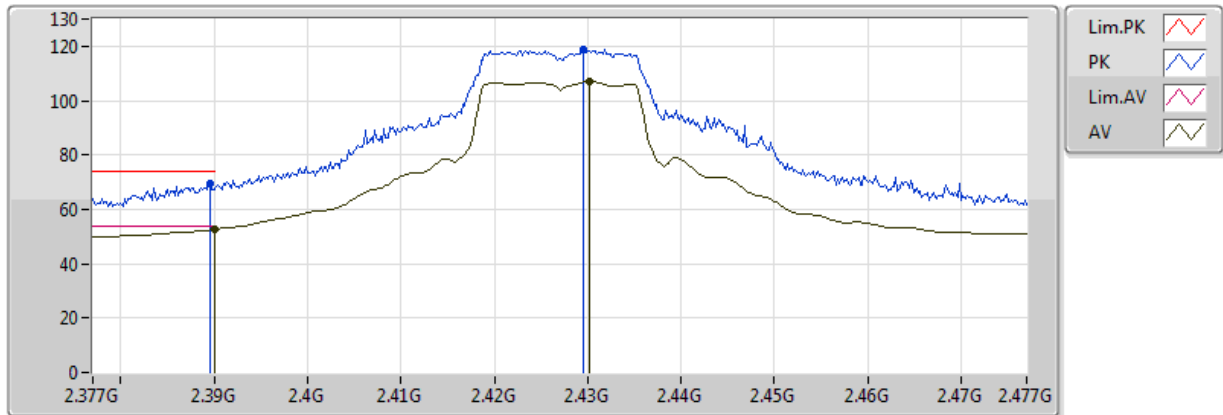


20171122
EUT Y_2TX
Setting 91
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.39G	50.61	54.00	-3.39	31.92	3	Vertical	257	1.90					
AV	2.4314G	104.90	Inf	-Inf	32.05	3	Vertical	257	1.90					
PK	2.3874G	66.45	74.00	-7.55	31.92	3	Vertical	257	1.90					
PK	2.4224G	115.86	Inf	-Inf	32.02	3	Vertical	257	1.90					

802.11g_Nss1,(6Mbps)_2TX

2427MHz_TX

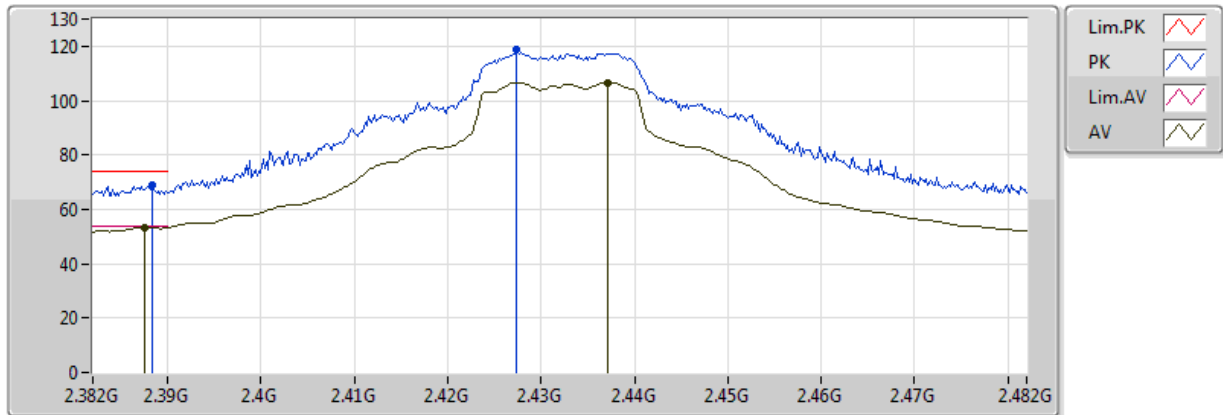


20171122
EUT Y_2TX
Setting 91
03-Z-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.39G	52.67	54.00	-1.33	31.92	3	Horizontal	90	1.99					
AV	2.4302G	106.98	Inf	-Inf	32.04	3	Horizontal	90	1.99					
PK	2.3896G	69.52	74.00	-4.48	31.92	3	Horizontal	90	1.99					
PK	2.4296G	118.85	Inf	-Inf	32.04	3	Horizontal	90	1.99					

802.11g_Nss1,(6Mbps)_2TX

2432MHz_TX

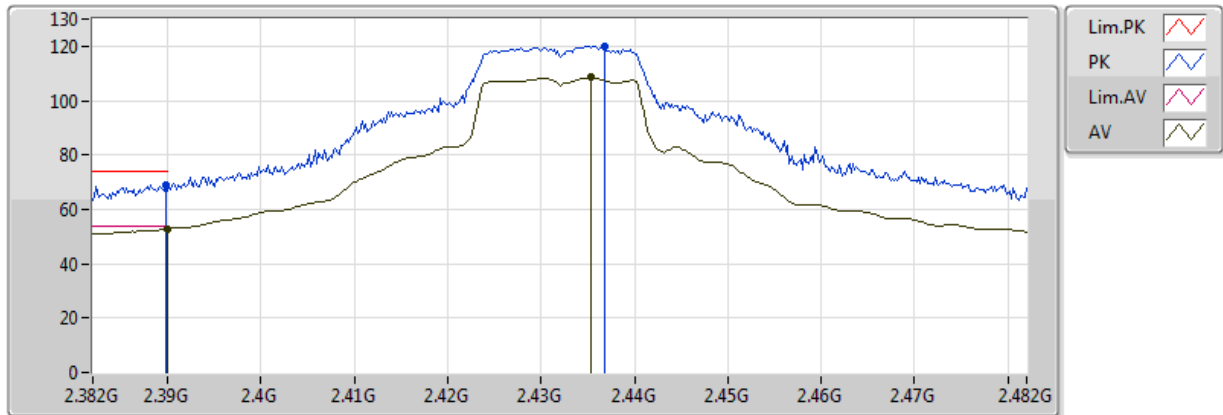


20171125
EUT Y_2TX
Setting 96
03-Z-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.3876G	52.97	54.00	-1.03	31.92	3	Vertical	274	1.86					
AV	2.4372G	106.71	Inf	-Inf	32.07	3	Vertical	274	1.86					
PK	2.3884G	68.65	74.00	-5.35	31.92	3	Vertical	274	1.86					
PK	2.4274G	118.62	Inf	-Inf	32.03	3	Vertical	274	1.86					

802.11g_Nss1,(6Mbps)_2TX

2432MHz_TX

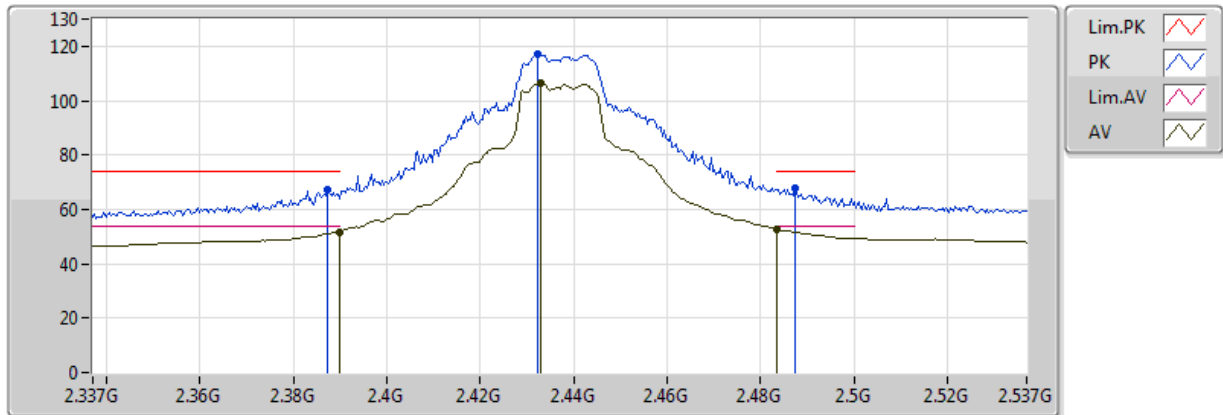


20171122
EUT Y_2TX
Setting 96
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.39G	52.86	54.00	-1.14	31.92	3	Horizontal	88	1.76					
AV	2.4354G	108.50	Inf	-Inf	32.06	3	Horizontal	88	1.76					
PK	2.3898G	68.86	74.00	-5.14	31.92	3	Horizontal	88	1.76					
PK	2.4368G	120.02	Inf	-Inf	32.06	3	Horizontal	88	1.76					

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

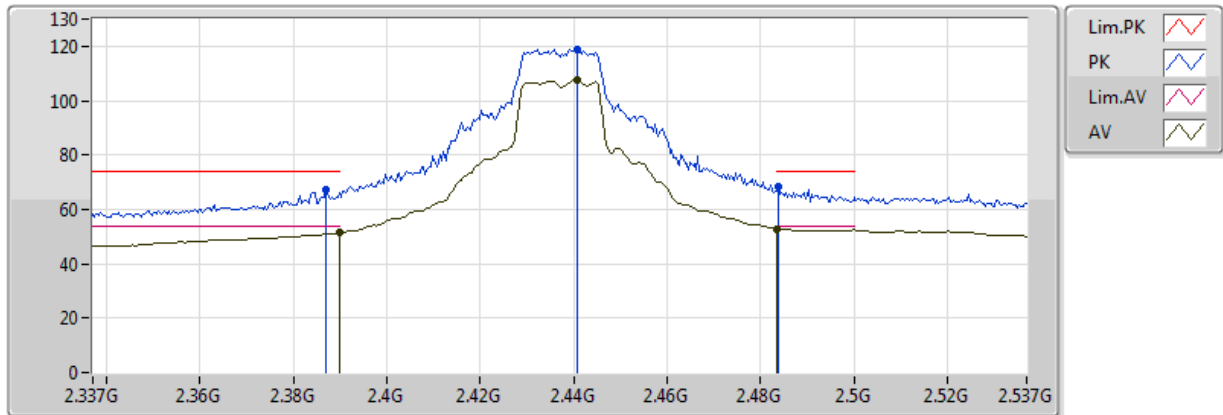


20171121
EUT Y_2TX
Setting 96
06-L-3
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.389998G	51.68	54.00	-2.32	32.12	3	Vertical	277	1.66					
AV	2.433G	106.66	Inf	-Inf	32.26	3	Vertical	277	1.66					
AV	2.483502G	52.79	54.00	-1.21	32.42	3	Vertical	277	1.66					
PK	2.3874G	67.10	74.00	-6.90	32.11	3	Vertical	277	1.66					
PK	2.4322G	117.15	Inf	-Inf	32.25	3	Vertical	277	1.66					
PK	2.4874G	67.62	74.00	-6.38	32.43	3	Vertical	277	1.66					

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

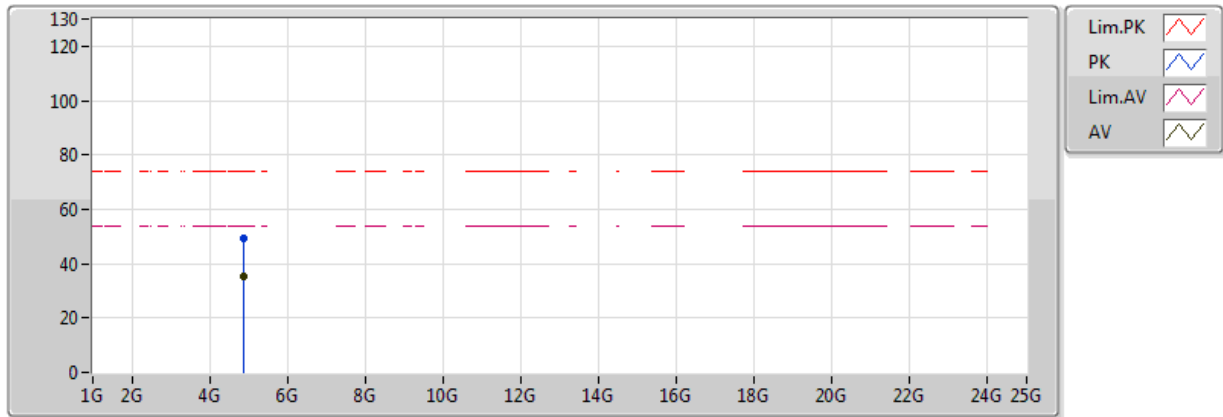


20171121
EUT Y_2TX
Setting 96
06-L-3
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.389998G	51.28	54.00	-2.72	32.12	3	Horizontal	93	1.35					
AV	2.4406G	107.62	Inf	-Inf	32.28	3	Horizontal	93	1.35					
AV	2.483502G	52.88	54.00	-1.12	32.42	3	Horizontal	93	1.35					
PK	2.387G	67.04	74.00	-6.96	32.11	3	Horizontal	93	1.35					
PK	2.4406G	119.05	Inf	-Inf	32.28	3	Horizontal	93	1.35					
PK	2.4838G	68.19	74.00	-5.81	32.42	3	Horizontal	93	1.35					

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

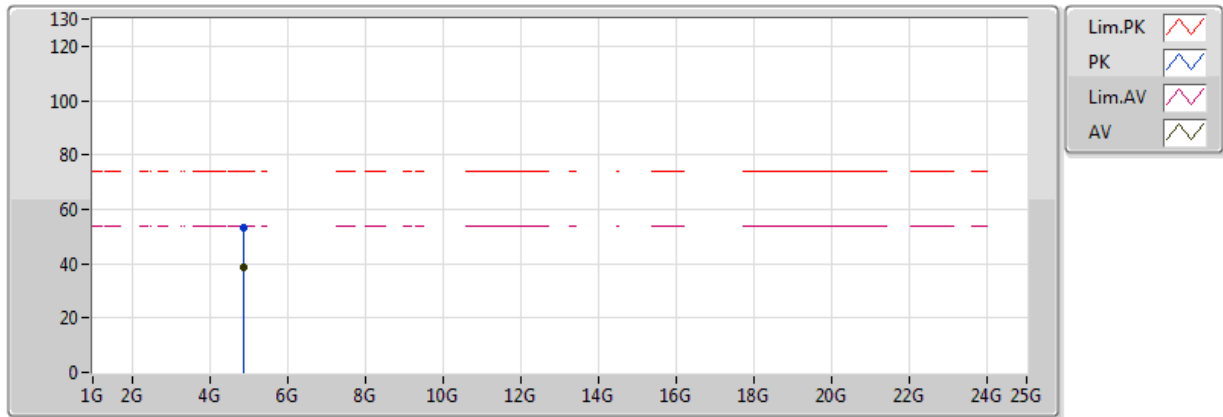


20171125
EUT_Y_2TX
Setting 96
03-Z-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	4.87552G	35.38	54.00	-18.62	4.58	3	Vertical	101	1.47					
PK	4.86544G	49.22	74.00	-24.78	4.54	3	Vertical	101	1.47					

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

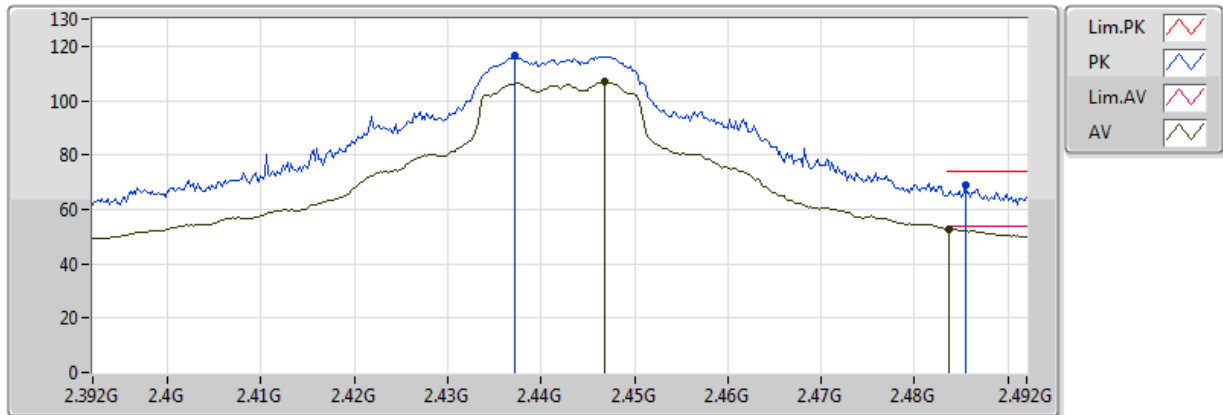


20171125
EUT Y_2TX
Setting 96
03-Z-1
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	4.87516G	38.43	54.00	-15.57	4.58	3	Horizontal	33	1.49					
PK	4.8752G	53.39	74.00	-20.61	4.58	3	Horizontal	33	1.49					

802.11g_Nss1,(6Mbps)_2TX

2442MHz_TX

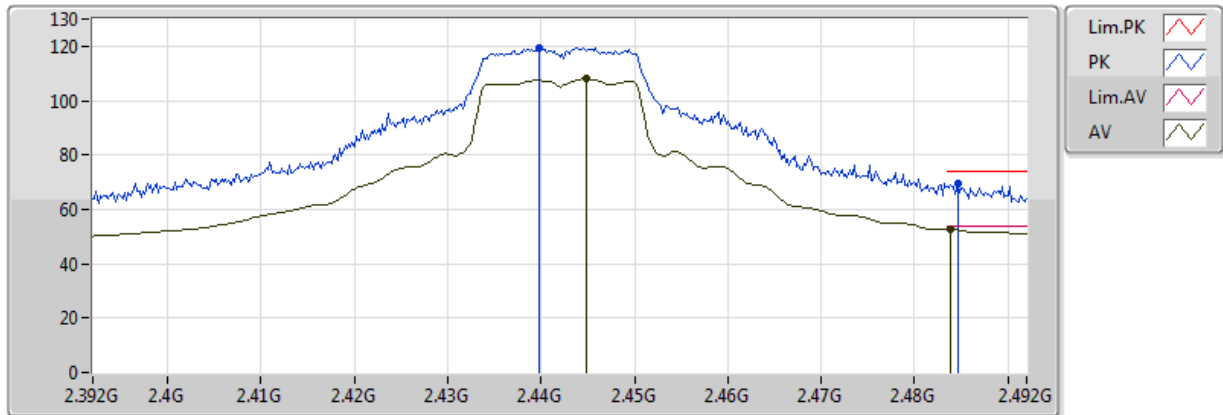


20171125
EUT Y_2TX
Setting 94
03-Z-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.4468G	107.21	Inf	-Inf	32.10	3	Vertical	271	1.49					
AV	2.4836G	52.95	54.00	-1.05	32.21	3	Vertical	271	1.49					
PK	2.4372G	116.63	Inf	-Inf	32.07	3	Vertical	271	1.49					
PK	2.4854G	68.79	74.00	-5.21	32.21	3	Vertical	271	1.49					

802.11g_Nss1,(6Mbps)_2TX

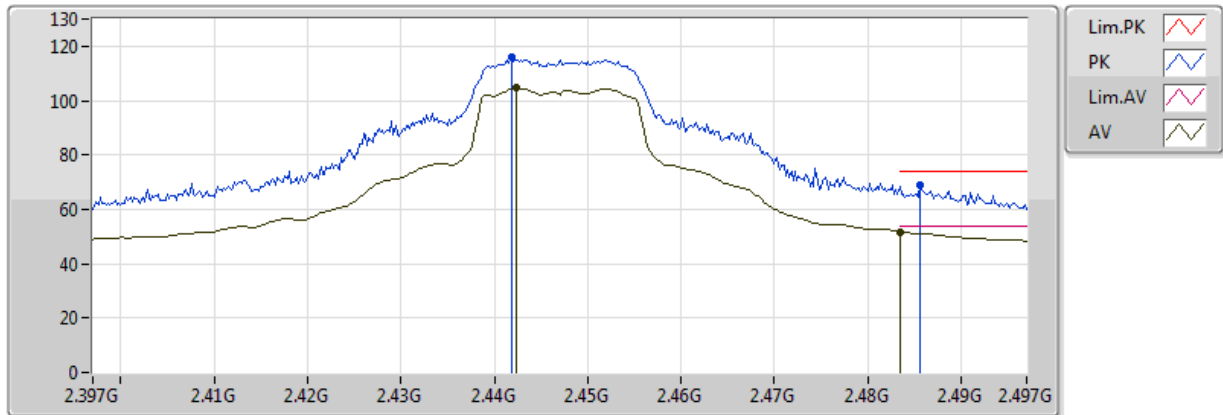
2442MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.4448G	108.02	Inf	-Inf	32.09	3	Horizontal	90	2.19					
AV	2.4838G	52.71	54.00	-1.29	32.21	3	Horizontal	90	2.19					
PK	2.4398G	119.30	Inf	-Inf	32.07	3	Horizontal	90	2.19					
PK	2.4846G	69.30	74.00	-4.70	32.21	3	Horizontal	90	2.19					

802.11g_Nss1,(6Mbps)_2TX

2447MHz_TX

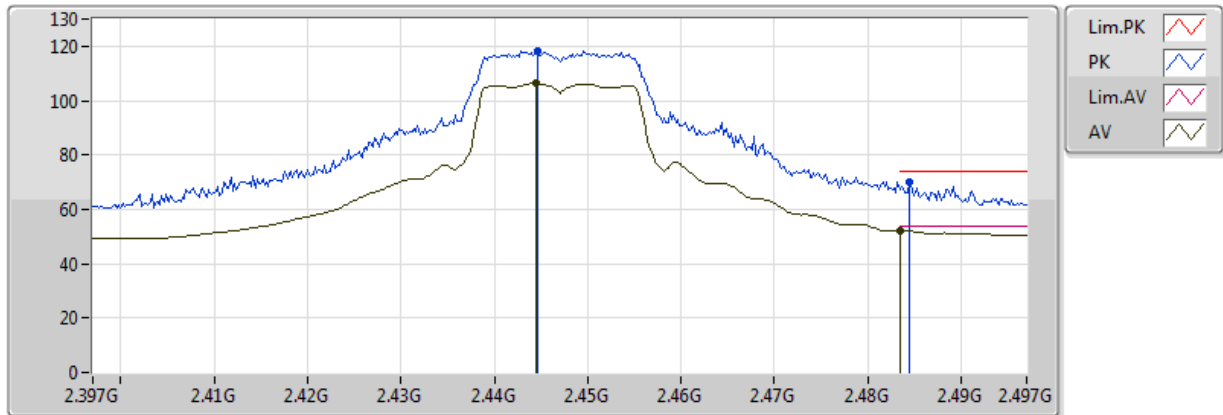


20171122
EUT Y_2TX
Setting 89
03-Z-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.4424G	104.54	Inf	-Inf	32.08	3	Vertical	276	1.33					
AV	2.483502G	51.73	54.00	-2.27	32.21	3	Vertical	276	1.33					
PK	2.4418G	115.85	Inf	-Inf	32.08	3	Vertical	276	1.33					
PK	2.4856G	68.66	74.00	-5.34	32.22	3	Vertical	276	1.33					

802.11g_Nss1,(6Mbps)_2TX

2447MHz_TX

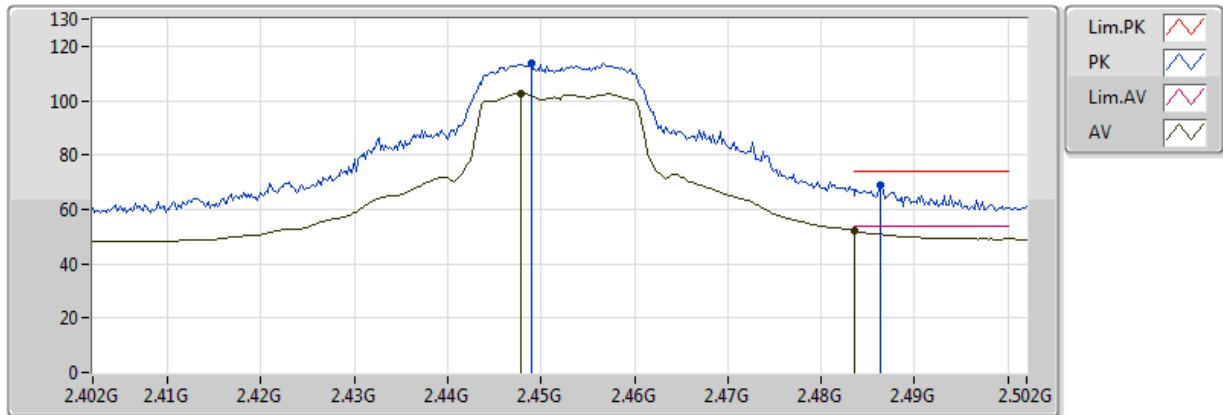


20171122
EUT Y_2TX
Setting 89
03-Z-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.4444G	106.38	Inf	-Inf	32.09	3	Horizontal	91	2.16					
AV	2.483502G	52.24	54.00	-1.76	32.21	3	Horizontal	91	2.16					
PK	2.4446G	118.35	Inf	-Inf	32.09	3	Horizontal	91	2.16					
PK	2.4844G	70.19	74.00	-3.81	32.21	3	Horizontal	91	2.16					

802.11g_Nss1,(6Mbps)_2TX

2452MHz_TX

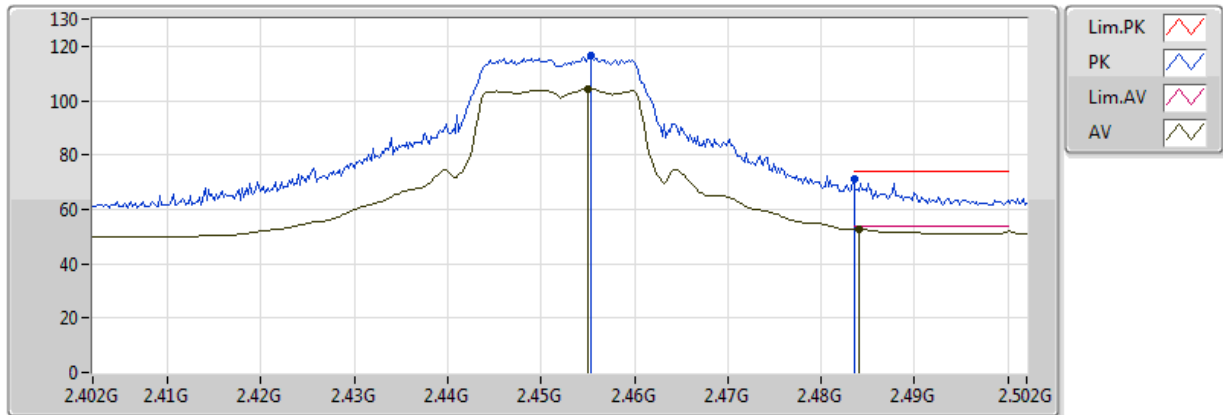


20171121
EUT Y_2TX
Setting 84
06-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.4478G	102.65	Inf	-Inf	32.31	3	Vertical	271	1.98					
AV	2.483502G	52.16	54.00	-1.84	32.42	3	Vertical	271	1.98					
PK	2.449G	113.80	Inf	-Inf	32.31	3	Vertical	271	1.98					
PK	2.4864G	68.89	74.00	-5.11	32.43	3	Vertical	271	1.98					

802.11g_Nss1,(6Mbps)_2TX

2452MHz_TX

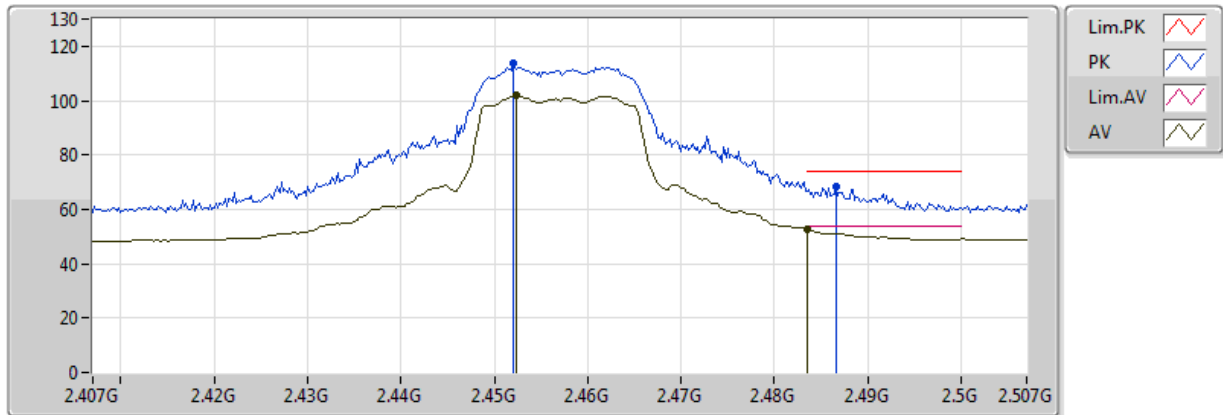


20171121
EUT Y_2TX
Setting 84
06-L-3
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.455G	104.33	Inf	-Inf	32.33	3	Horizontal	88	1.54					
AV	2.484G	52.58	54.00	-1.42	32.42	3	Horizontal	88	1.54					
PK	2.4554G	116.30	Inf	-Inf	32.33	3	Horizontal	88	1.54					
PK	2.483502G	71.04	74.00	-2.96	32.42	3	Horizontal	88	1.54					

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

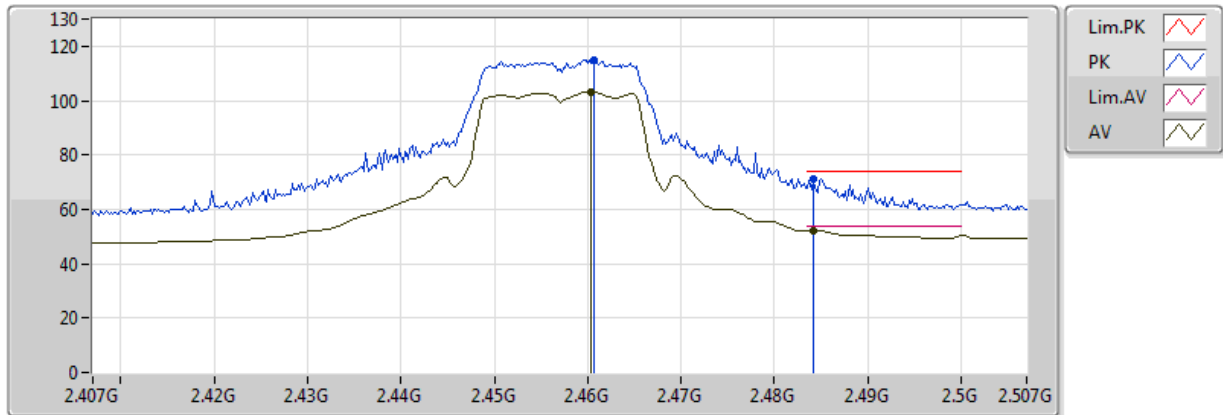


20171121
EUT Y_2TX
Setting 80
06-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.4524G	101.73	Inf	-Inf	32.32	3	Vertical	271	1.68					
AV	2.483502G	52.43	54.00	-1.57	32.42	3	Vertical	271	1.68					
PK	2.452G	113.51	Inf	-Inf	32.32	3	Vertical	271	1.68					
PK	2.4866G	68.61	74.00	-5.39	32.43	3	Vertical	271	1.68					

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

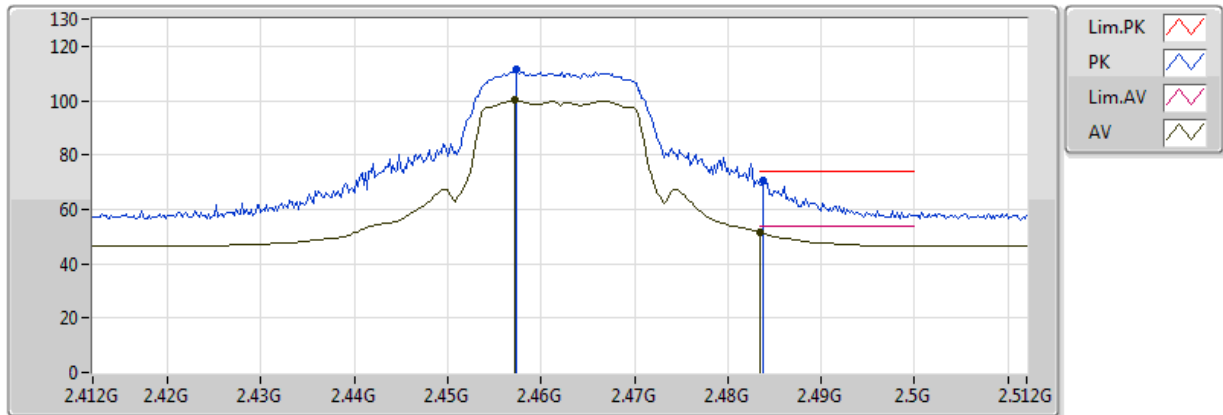


20171121
EUT Y_2TX
Setting 80
06-L-3
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.4604G	103.33	Inf	-Inf	32.35	3	Horizontal	82	1.71					
AV	2.4842G	52.24	54.00	-1.76	32.42	3	Horizontal	82	1.71					
PK	2.4606G	115.10	Inf	-Inf	32.35	3	Horizontal	82	1.71					
PK	2.4842G	71.23	74.00	-2.77	32.42	3	Horizontal	82	1.71					

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

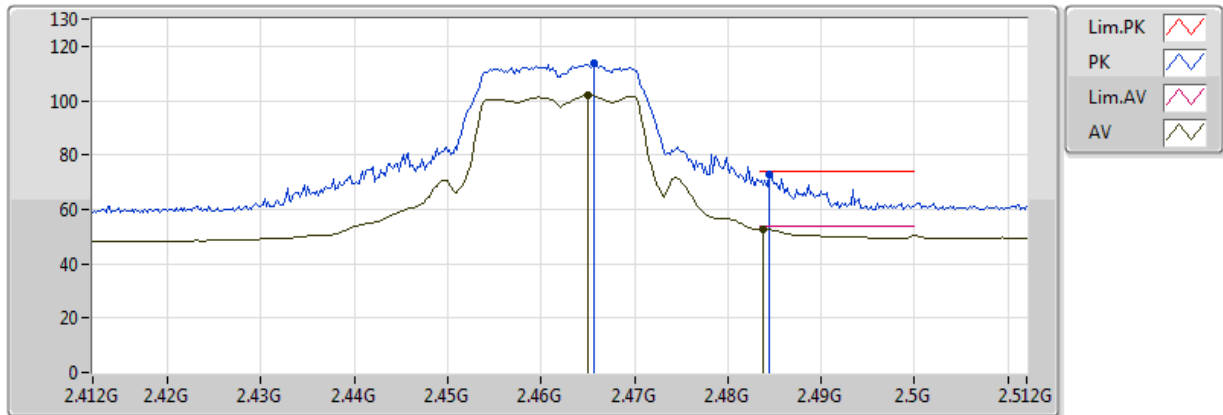


20171121
EUT Y_2TX
Setting 73
06-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.4572G	100.03	Inf	-Inf	32.34	3	Vertical	358	1.91					
AV	2.483502G	51.43	54.00	-2.57	32.42	3	Vertical	358	1.91					
PK	2.4574G	111.40	Inf	-Inf	32.34	3	Vertical	358	1.91					
PK	2.4838G	70.70	74.00	-3.30	32.42	3	Vertical	358	1.91					

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

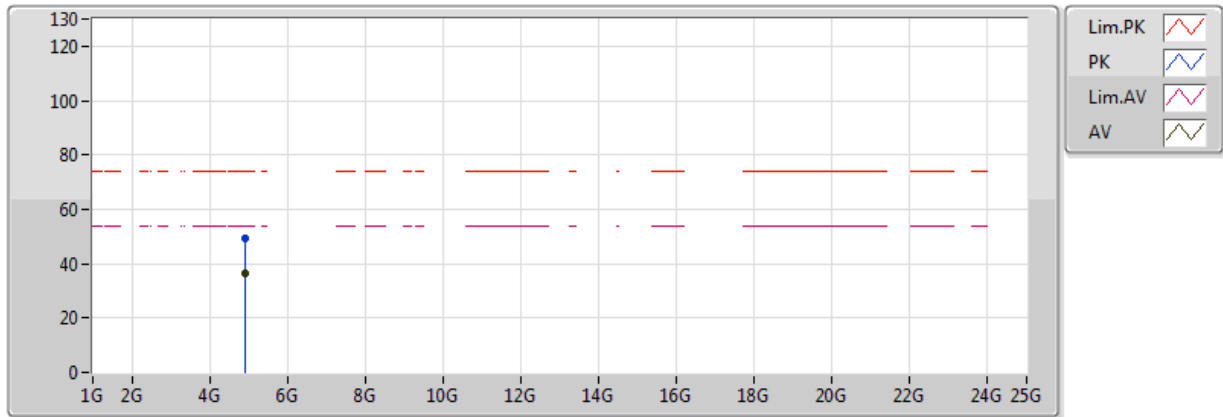


20171121
EUT Y_2TX
Setting 73
06-L-3
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.465G	101.93	Inf	-Inf	32.36	3	Horizontal	85	1.92					
AV	2.4838G	52.60	54.00	-1.40	32.42	3	Horizontal	85	1.92					
PK	2.4656G	113.61	Inf	-Inf	32.36	3	Horizontal	85	1.92					
PK	2.4844G	72.65	74.00	-1.35	32.42	3	Horizontal	85	1.92					

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

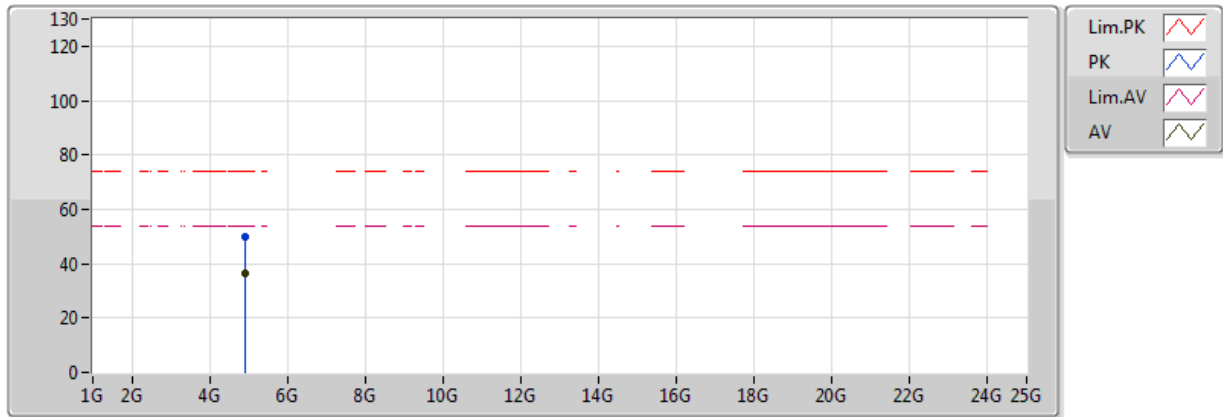


20171125
EUT Y_2TX
Setting 73
03-Z-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	4.92484G	36.45	54.00	-17.55	6.98	3	Vertical	50	1.47					
PK	4.92616G	49.25	74.00	-24.75	6.98	3	Vertical	50	1.47					

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

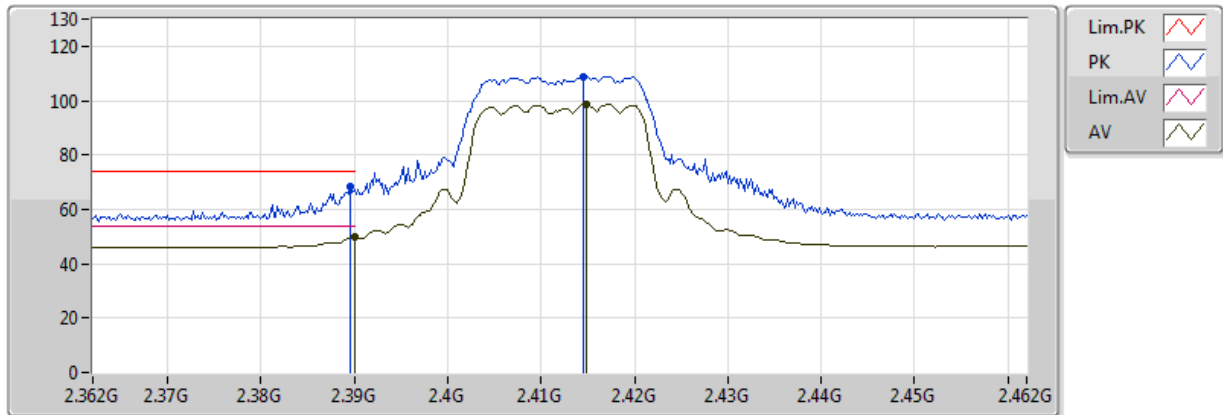


20171125
EUT Y_2TX
Setting 73
03-Z-1
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	4.92492G	36.28	54.00	-17.72	6.98	3	Horizontal	149	1.11					
PK	4.93032G	49.72	74.00	-24.28	6.99	3	Horizontal	149	1.11					

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

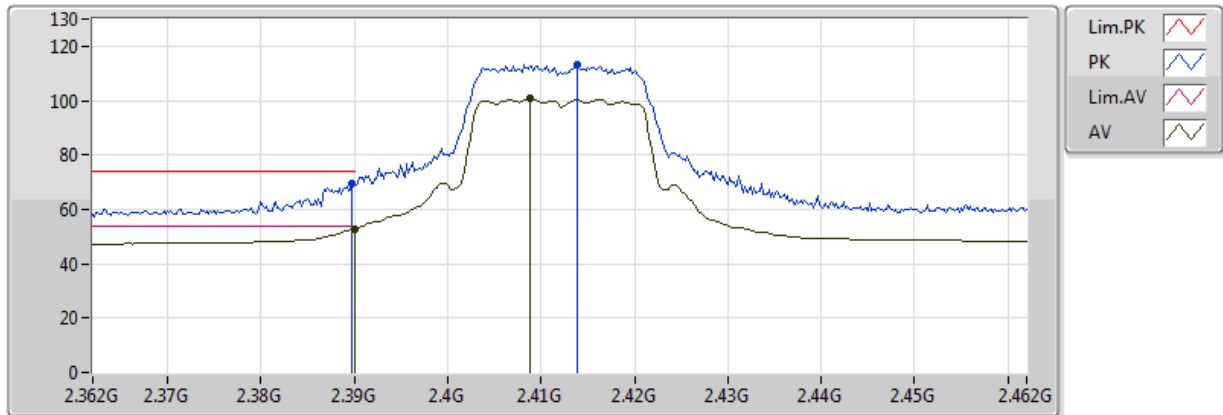


20171121
EUT Y_2TX
Setting 66
06-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.39G	50.03	54.00	-3.97	32.12	3	Vertical	277	1.61					
AV	2.4148G	98.65	Inf	-Inf	32.20	3	Vertical	277	1.61					
PK	2.3896G	68.28	74.00	-5.72	32.12	3	Vertical	277	1.61					
PK	2.4146G	108.98	Inf	-Inf	32.20	3	Vertical	277	1.61					

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

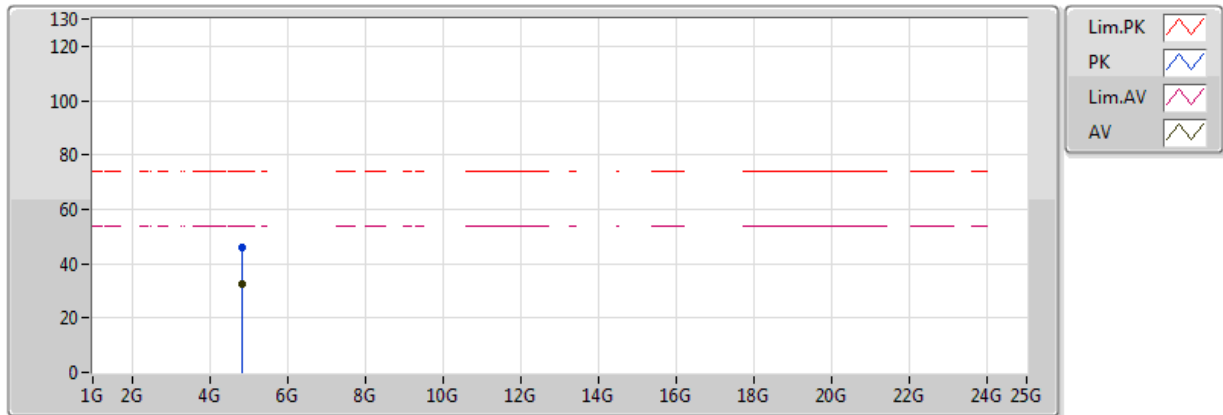


20171121
EUT Y_2TX
Setting 66
06-L-3
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.39G	52.79	54.00	-1.21	32.12	3	Horizontal	86	1.57					
AV	2.4088G	100.69	Inf	-Inf	32.18	3	Horizontal	86	1.57					
PK	2.3898G	69.59	74.00	-4.41	32.12	3	Horizontal	86	1.57					
PK	2.4138G	113.30	Inf	-Inf	32.19	3	Horizontal	86	1.57					

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

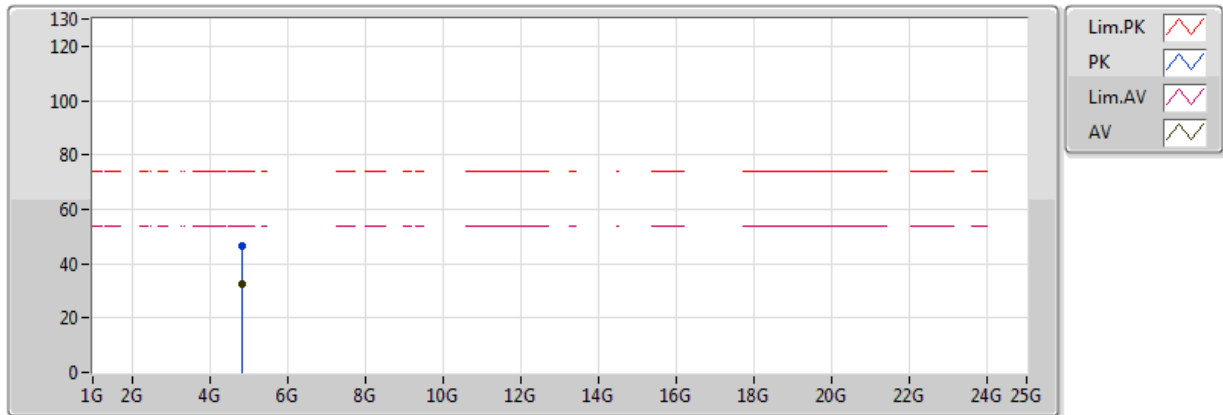


20171125
EUT Y_2TX
Setting 66
03-Z-1
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	4.8228G	32.75	54.00	-21.25	4.37	3	Vertical	225	1.84					
PK	4.827G	45.83	74.00	-28.17	4.39	3	Vertical	225	1.84					

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

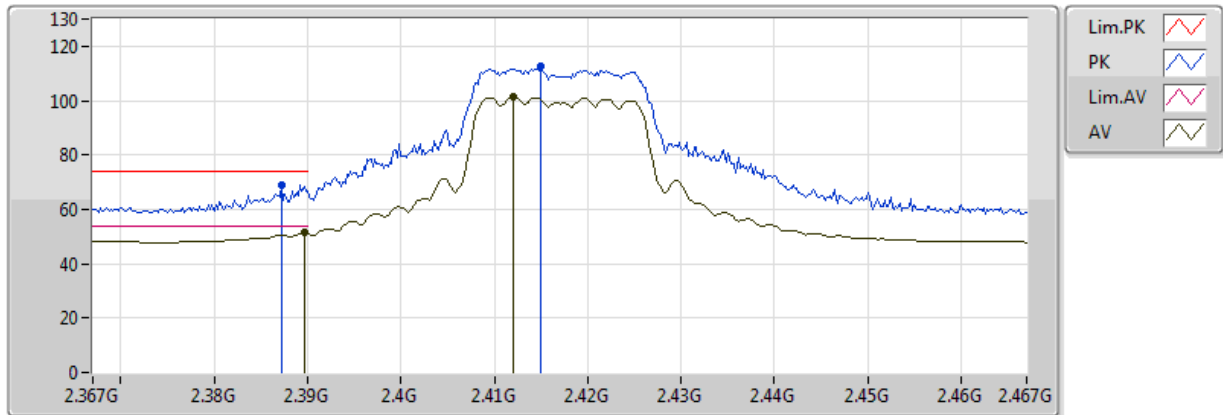


20171125
EUT Y_2TX
Setting 66
03-Z-1
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	4.8246G	32.66	54.00	-21.34	4.38	3	Horizontal	143	1.66					
PK	4.82552G	46.72	74.00	-27.28	4.38	3	Horizontal	143	1.66					

802.11n HT20_Nss1,(MCS0)_2TX

2417MHz_TX

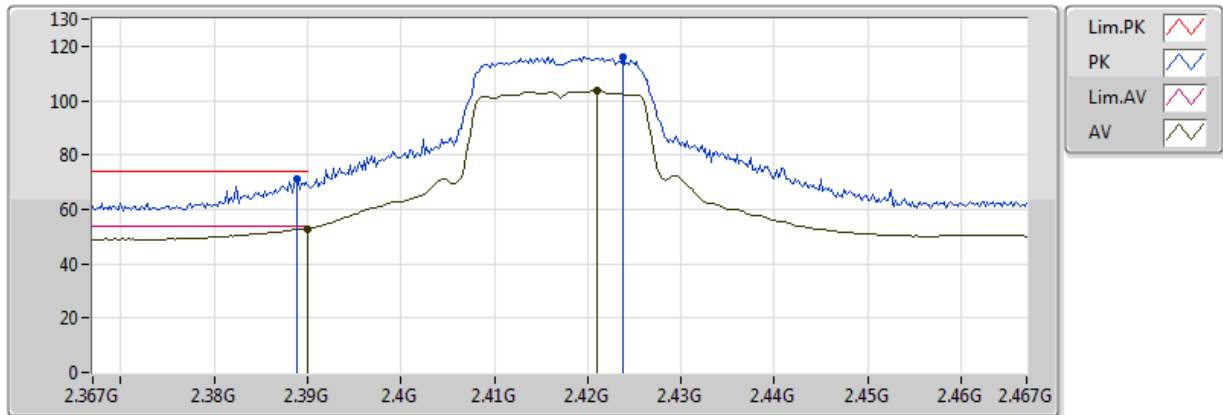


20171122
EUT Y_2TX
Setting 76
03-Z-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.3896G	51.34	54.00	-2.66	31.92	3	Vertical	266	1.54					
AV	2.412G	101.24	Inf	-Inf	31.99	3	Vertical	266	1.54					
PK	2.3872G	69.00	74.00	-5.00	31.92	3	Vertical	266	1.54					
PK	2.415G	112.49	Inf	-Inf	32.00	3	Vertical	266	1.54					

802.11n HT20_Nss1,(MCS0)_2TX

2417MHz_TX

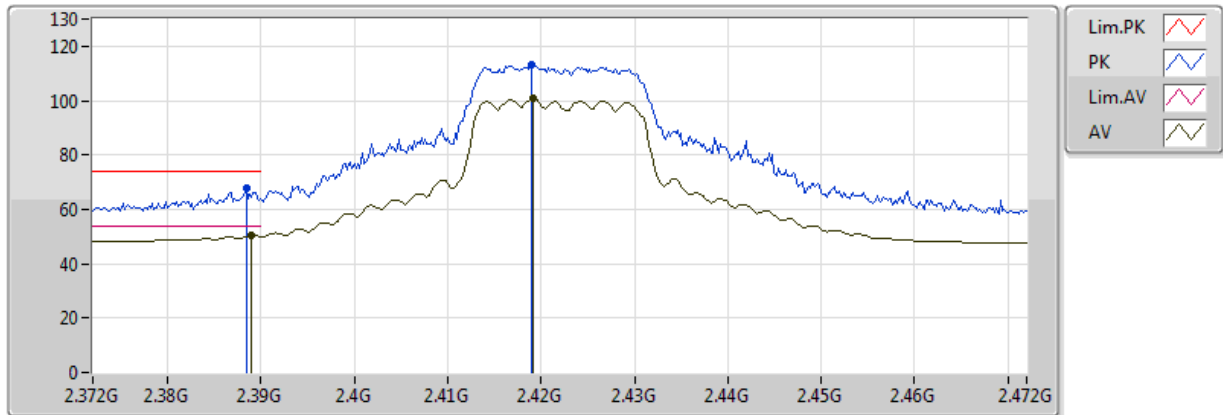


20171122
EUT Y_2TX
Setting 76
03-Z-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.39G	52.92	54.00	-1.08	31.92	3	Horizontal	89	1.99					
AV	2.421G	103.70	Inf	-Inf	32.02	3	Horizontal	89	1.99					
PK	2.3888G	71.39	74.00	-2.61	31.92	3	Horizontal	89	1.99					
PK	2.4238G	115.86	Inf	-Inf	32.02	3	Horizontal	89	1.99					

802.11n HT20_Nss1,(MCS0)_2TX

2422MHz_TX

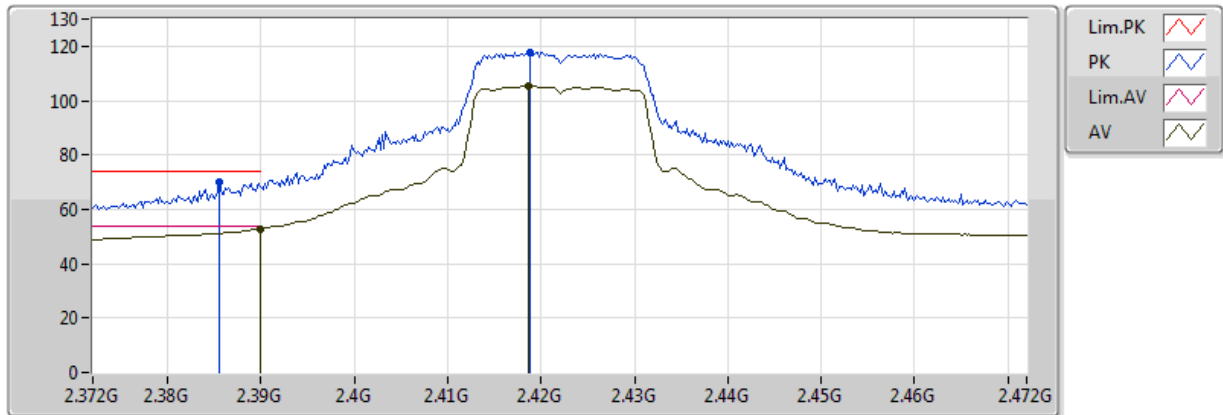


20171125
EUT Y_2TX
Setting 82
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.389G	50.38	54.00	-3.62	31.92	3	Vertical	259	1.54					
AV	2.4192G	100.62	Inf	-Inf	32.01	3	Vertical	259	1.54					
PK	2.3884G	67.89	74.00	-6.11	31.92	3	Vertical	259	1.54					
PK	2.419G	112.96	Inf	-Inf	32.01	3	Vertical	259	1.54					

802.11n HT20_Nss1,(MCS0)_2TX

2422MHz_TX

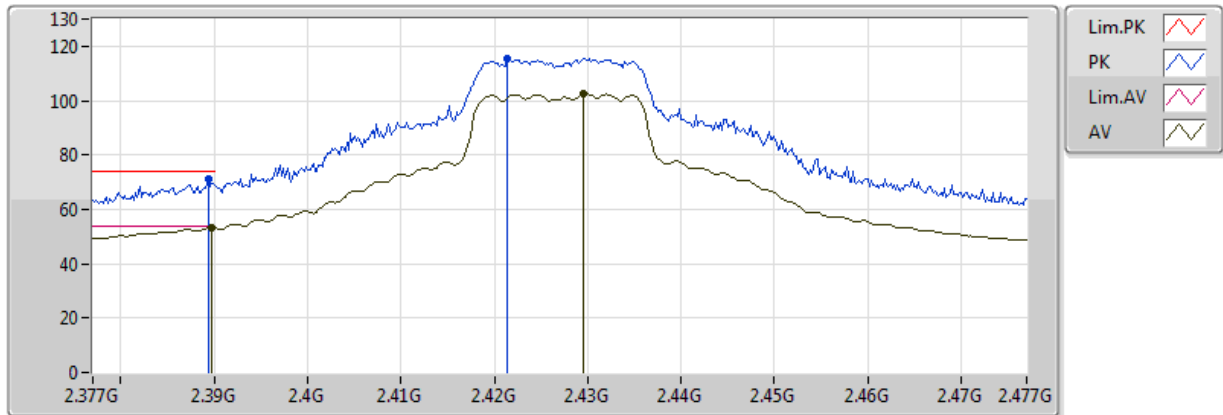


20171122
EUT Y_2TX
Setting 82
03-Z-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.39G	52.74	54.00	-1.26	31.92	3	Horizontal	89	1.78					
AV	2.4186G	105.61	Inf	-Inf	32.01	3	Horizontal	89	1.78					
PK	2.3856G	70.02	74.00	-3.98	31.91	3	Horizontal	89	1.78					
PK	2.4188G	117.78	Inf	-Inf	32.01	3	Horizontal	89	1.78					

802.11n HT20_Nss1,(MCS0)_2TX

2427MHz_TX

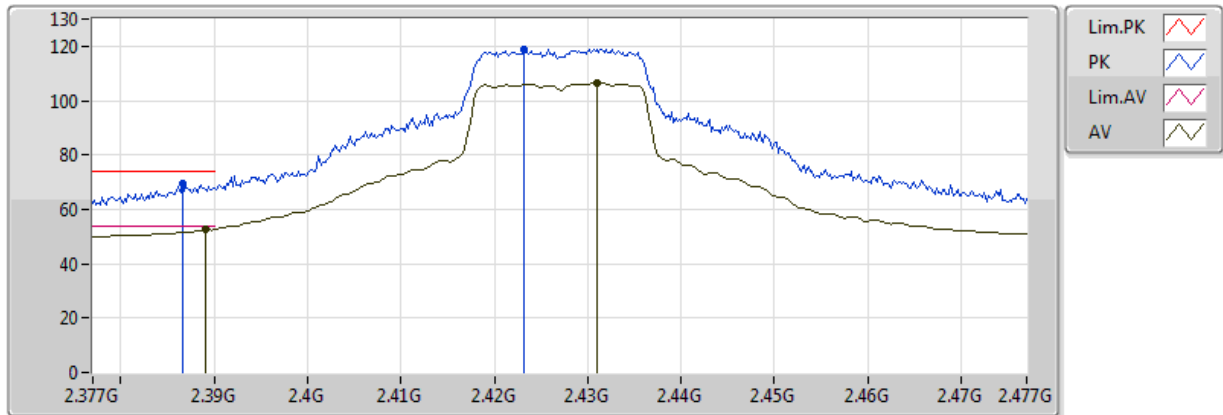


20171125
EUT Y_2TX
Setting 89
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.3898G	52.97	54.00	-1.03	31.92	3	Vertical	276	1.74					
AV	2.4296G	102.63	Inf	-Inf	32.04	3	Vertical	276	1.74					
PK	2.3894G	71.09	74.00	-2.91	31.92	3	Vertical	276	1.74					
PK	2.4214G	115.33	Inf	-Inf	32.02	3	Vertical	276	1.74					

802.11n HT20_Nss1,(MCS0)_2TX

2427MHz_TX

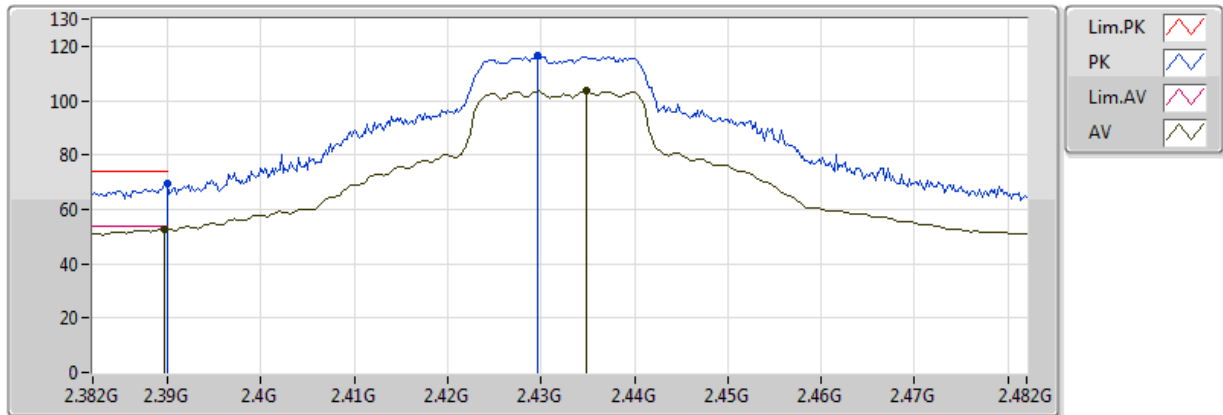


20171122
EUT Y_2TX
Setting 89
03-Z-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.389G	52.49	54.00	-1.51	31.92	3	Horizontal	87	1.73					
AV	2.431G	106.74	Inf	-Inf	32.05	3	Horizontal	87	1.73					
PK	2.3866G	69.33	74.00	-4.67	31.92	3	Horizontal	87	1.73					
PK	2.4232G	119.01	Inf	-Inf	32.02	3	Horizontal	87	1.73					

802.11n HT20_Nss1,(MCS0)_2TX

2432MHz_TX

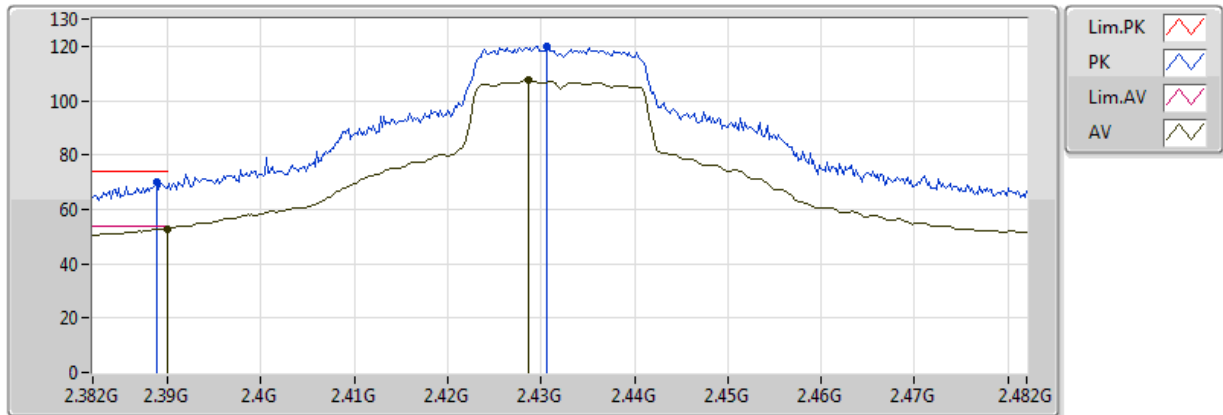


20171125
EUT Y_2TX
Setting 92
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.3896G	52.92	54.00	-1.08	31.92	3	Vertical	274	1.81					
AV	2.4348G	103.47	Inf	-Inf	32.06	3	Vertical	274	1.81					
PK	2.39G	69.75	74.00	-4.25	31.92	3	Vertical	274	1.81					
PK	2.4296G	116.37	Inf	-Inf	32.04	3	Vertical	274	1.81					

802.11n HT20_Nss1,(MCS0)_2TX

2432MHz_TX

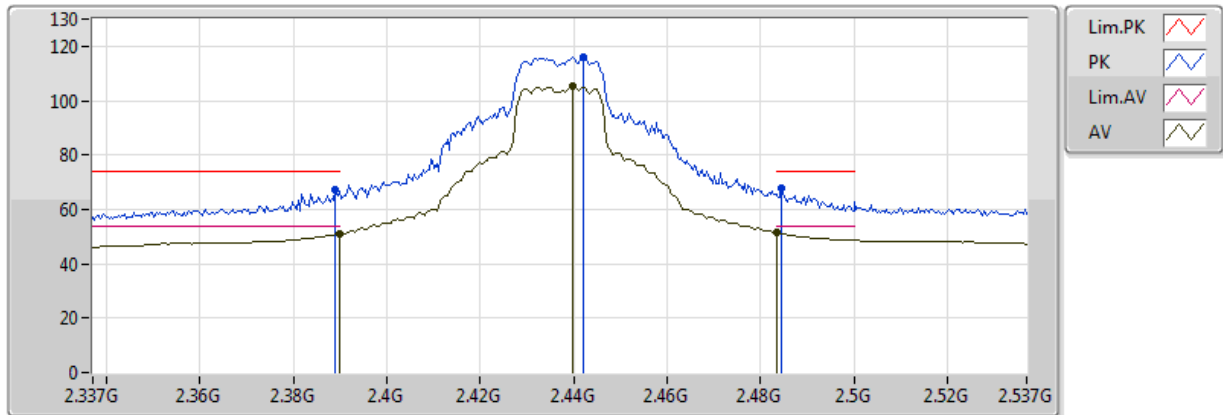


20171122
EUT Y_2TX
Setting 92
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.39G	52.81	54.00	-1.19	31.92	3	Horizontal	85	1.88					
AV	2.4286G	107.55	Inf	-Inf	32.04	3	Horizontal	85	1.88					
PK	2.3888G	70.07	74.00	-3.93	31.92	3	Horizontal	85	1.88					
PK	2.4306G	119.99	Inf	-Inf	32.04	3	Horizontal	85	1.88					

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

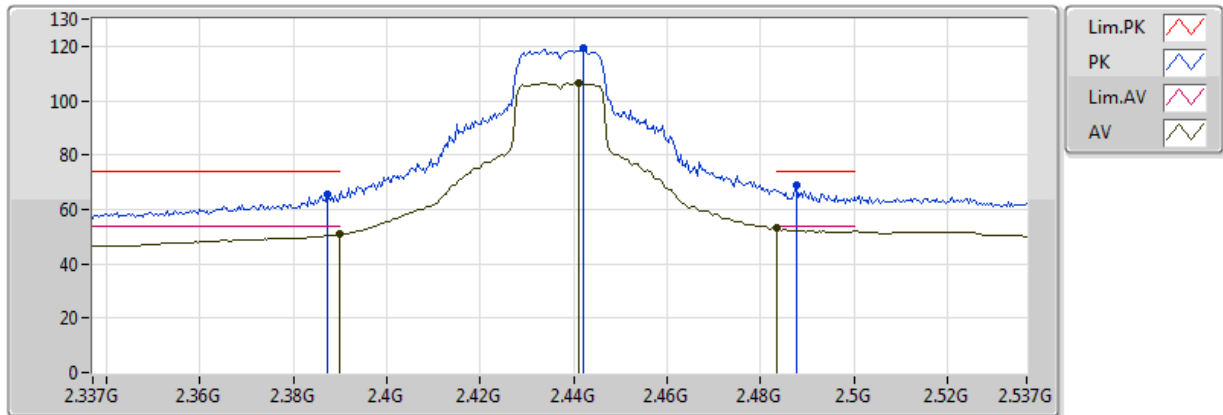


20171121
EUT Y_2TX
Setting 92
06-L-3
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.389998G	51.05	54.00	-2.95	32.12	3	Vertical	278	1.44					
AV	2.4398G	105.15	Inf	-Inf	32.28	3	Vertical	278	1.44					
AV	2.483502G	51.38	54.00	-2.62	32.42	3	Vertical	278	1.44					
PK	2.389G	67.15	74.00	-6.85	32.11	3	Vertical	278	1.44					
PK	2.4422G	116.14	Inf	-Inf	32.29	3	Vertical	278	1.44					
PK	2.4846G	67.57	74.00	-6.43	32.42	3	Vertical	278	1.44					

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

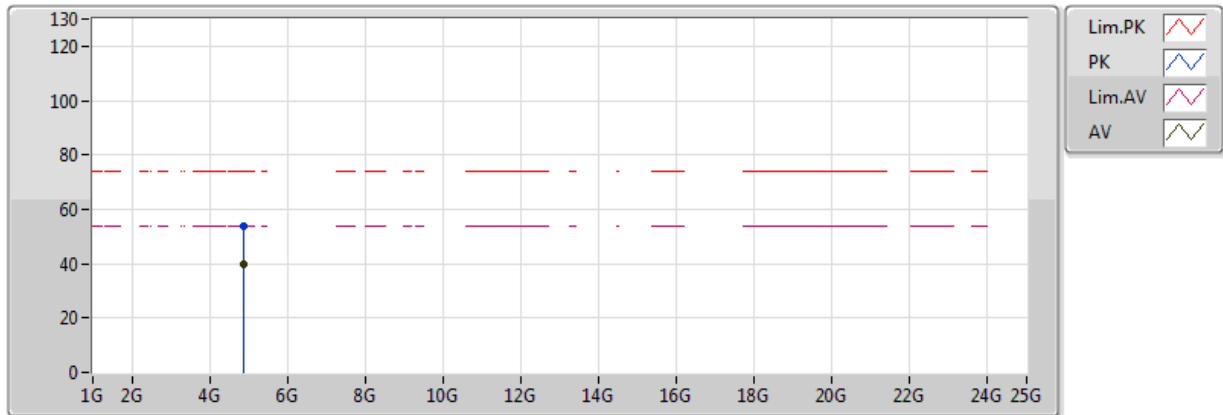


20171121
EUT Y_2TX
Setting 92
06-L-3
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.389998G	50.80	54.00	-3.20	32.12	3	Horizontal	95	1.74					
AV	2.441G	106.74	Inf	-Inf	32.28	3	Horizontal	95	1.74					
AV	2.483502G	52.97	54.00	-1.03	32.42	3	Horizontal	95	1.74					
PK	2.3874G	65.39	74.00	-8.61	32.11	3	Horizontal	95	1.74					
PK	2.4422G	119.12	Inf	-Inf	32.29	3	Horizontal	95	1.74					
PK	2.4878G	68.69	74.00	-5.31	32.44	3	Horizontal	95	1.74					

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

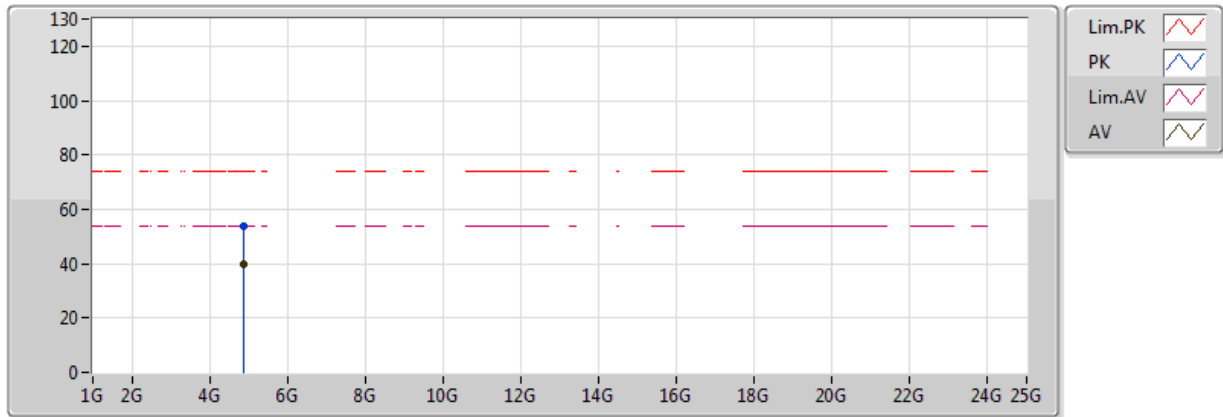


20171125
EUT Y_2TX
Setting 92
03-Z-1
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	4.87468G	39.81	54.00	-14.19	6.84	3	Vertical	159	1.19					
PK	4.87192G	53.52	74.00	-20.48	6.83	3	Vertical	159	1.19					

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

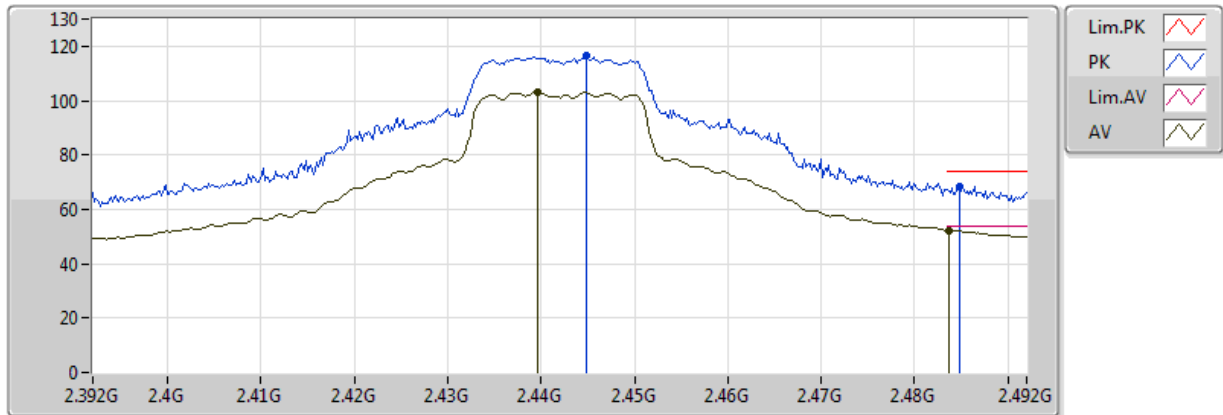


20171125
EUT Y_2TX
Setting 92
03-Z-1
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	4.87472G	39.93	54.00	-14.07	6.84	3	Horizontal	233	2.31					
PK	4.87204G	53.73	74.00	-20.27	6.83	3	Horizontal	233	2.31					

802.11n HT20_Nss1,(MCS0)_2TX

2442MHz_TX

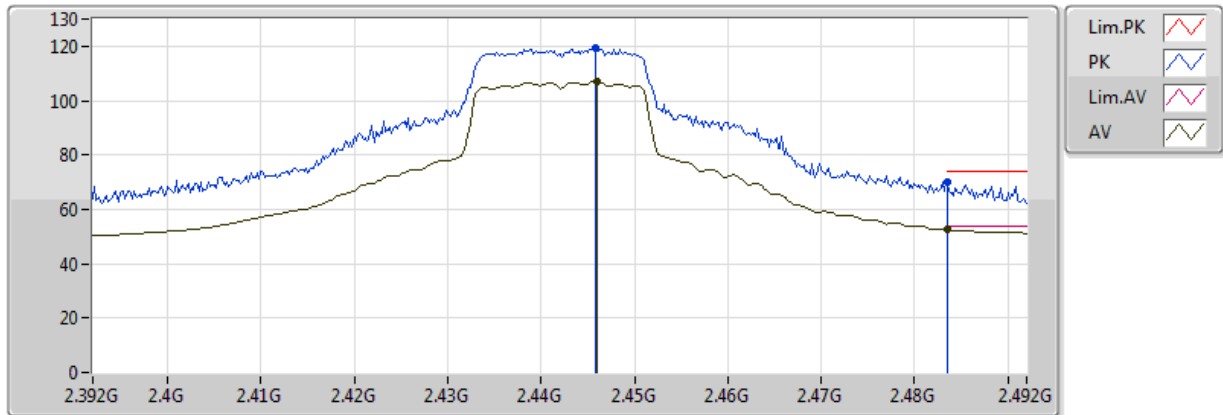


20171125
EUT Y_2TX
Setting 90
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.4396G	103.13	Inf	-Inf	32.07	3	Vertical	274	1.83					
AV	2.4836G	52.35	54.00	-1.65	32.21	3	Vertical	274	1.83					
PK	2.4448G	116.39	Inf	-Inf	32.09	3	Vertical	274	1.83					
PK	2.4848G	68.42	74.00	-5.58	32.21	3	Vertical	274	1.83					

802.11n HT20_Nss1,(MCS0)_2TX

2442MHz_TX

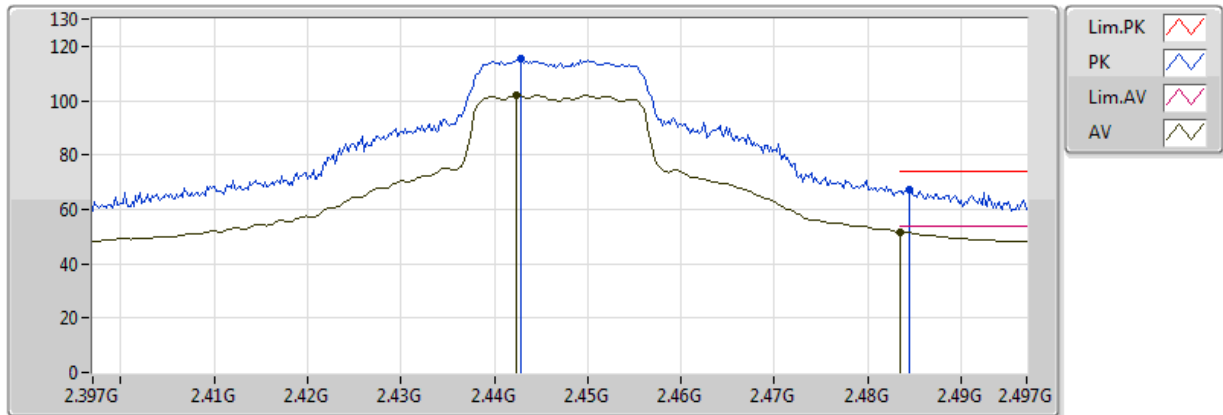


20171122
EUT Y_2TX
Setting 90
03-Z-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.446G	106.93	Inf	-Inf	32.09	3	Horizontal	89	2.18					
AV	2.483502G	52.79	54.00	-1.21	32.21	3	Horizontal	89	2.18					
PK	2.4458G	119.37	Inf	-Inf	32.09	3	Horizontal	89	2.18					
PK	2.483502G	70.25	74.00	-3.75	32.21	3	Horizontal	89	2.18					

802.11n HT20_Nss1,(MCS0)_2TX

2447MHz_TX

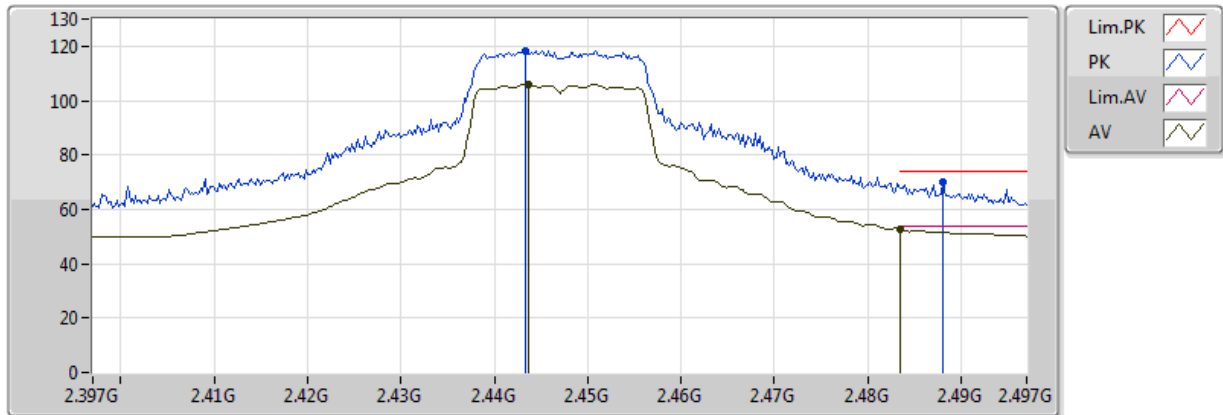


20171125
EUT Y_2TX
Setting 86
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.4424G	102.09	Inf	-Inf	32.08	3	Vertical	278	1.85					
AV	2.483502G	51.64	54.00	-2.36	32.21	3	Vertical	278	1.85					
PK	2.4428G	115.25	Inf	-Inf	32.08	3	Vertical	278	1.85					
PK	2.4844G	67.35	74.00	-6.65	32.21	3	Vertical	278	1.85					

802.11n HT20_Nss1,(MCS0)_2TX

2447MHz_TX

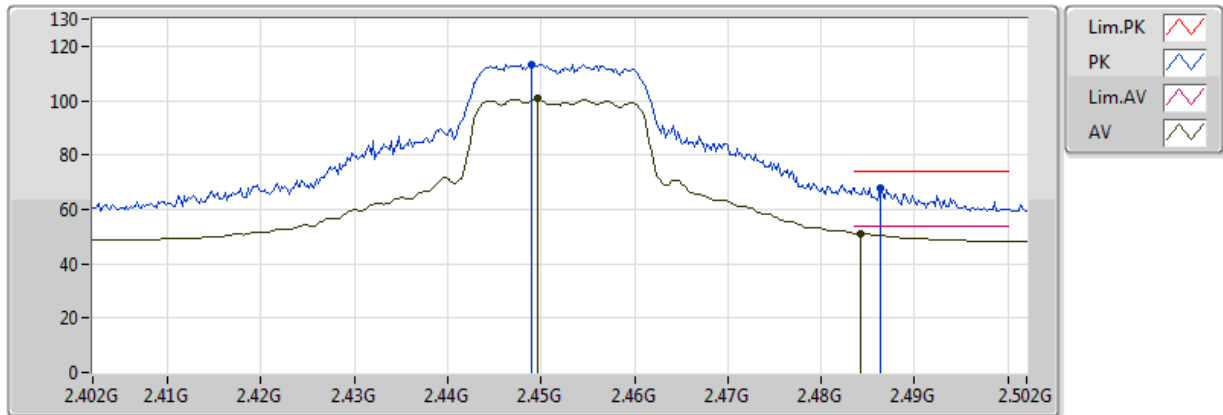


20171122
EUT Y_2TX
Setting 86
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.4436G	106.14	Inf	-Inf	32.09	3	Horizontal	90	2.17					
AV	2.483502G	52.80	54.00	-1.20	32.21	3	Horizontal	90	2.17					
PK	2.4434G	118.35	Inf	-Inf	32.08	3	Horizontal	90	2.17					
PK	2.488G	70.07	74.00	-3.93	32.22	3	Horizontal	90	2.17					

802.11n HT20_Nss1,(MCS0)_2TX

2452MHz_TX

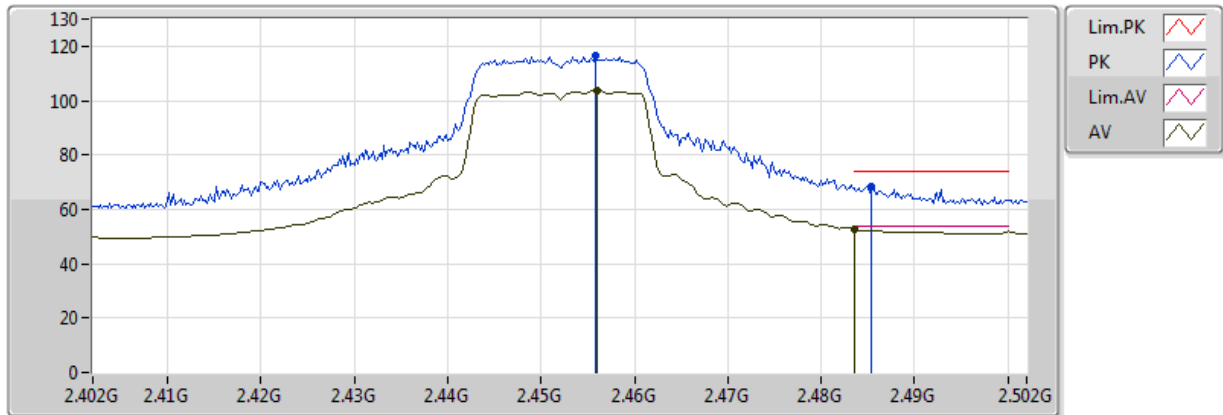


20171125
EUT Y_2TX
Setting 80
03-Z-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.4496G	100.61	Inf	-Inf	32.10	3	Vertical	275	1.72					
AV	2.4842G	51.21	54.00	-2.79	32.21	3	Vertical	275	1.72					
PK	2.449G	113.41	Inf	-Inf	32.10	3	Vertical	275	1.72					
PK	2.4864G	68.00	74.00	-6.00	32.22	3	Vertical	275	1.72					

802.11n HT20_Nss1,(MCS0)_2TX

2452MHz_TX

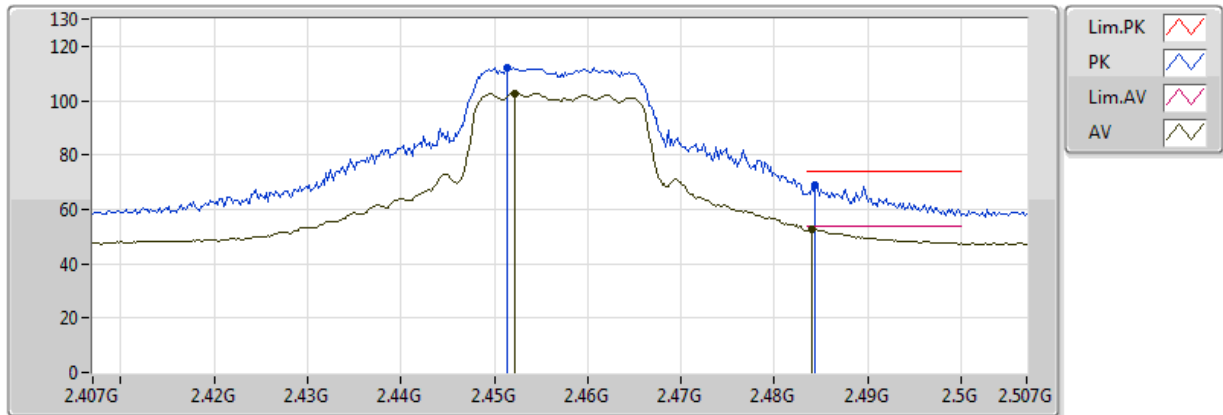


20171122
EUT Y_2TX
Setting 80
03-Z-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.456G	103.88	Inf	-Inf	32.12	3	Horizontal	90	1.87					
AV	2.483502G	52.87	54.00	-1.13	32.21	3	Horizontal	90	1.87					
PK	2.4558G	116.32	Inf	-Inf	32.12	3	Horizontal	90	1.87					
PK	2.4854G	68.58	74.00	-5.42	32.21	3	Horizontal	90	1.87					

802.11n HT20_Nss1,(MCS0)_2TX

2457MHz_TX

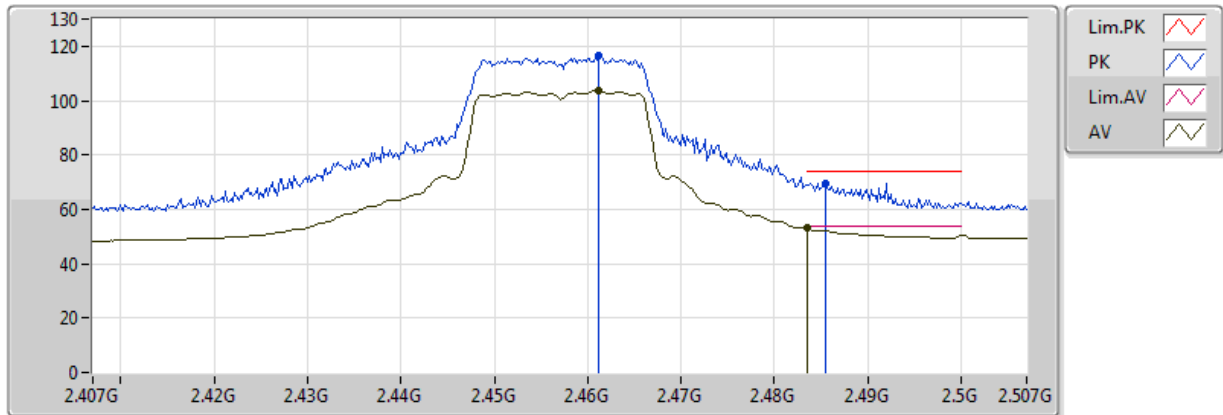


20171125
EUT Y_2TX
Setting 77
03-Z-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.4522G	102.72	Inf	-Inf	32.11	3	Vertical	274	1.71					
AV	2.484G	52.51	54.00	-1.49	32.21	3	Vertical	274	1.71					
PK	2.4514G	112.04	Inf	-Inf	32.11	3	Vertical	274	1.71					
PK	2.4844G	69.01	74.00	-4.99	32.21	3	Vertical	274	1.71					

802.11n HT20_Nss1,(MCS0)_2TX

2457MHz_TX

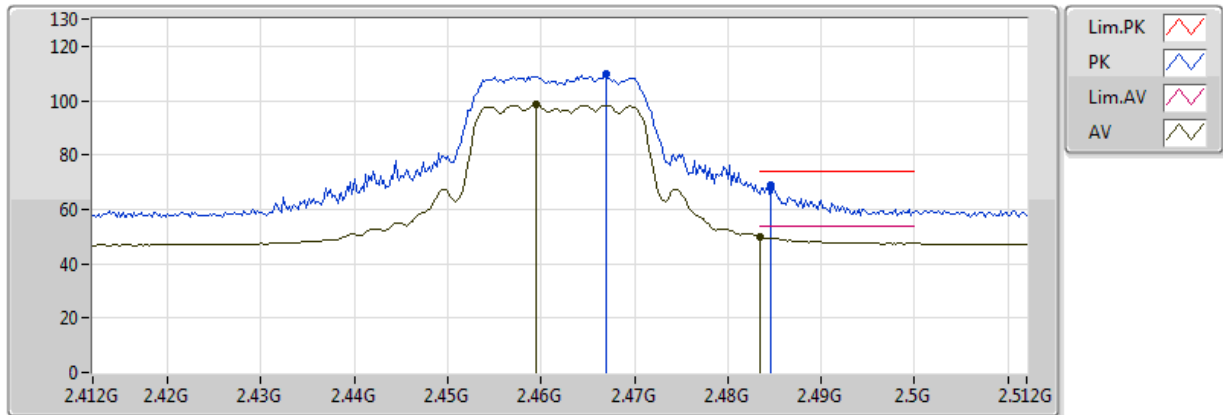


20171122
EUT Y_2TX
Setting 77
03-Z-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.4612G	103.63	Inf	-Inf	32.14	3	Horizontal	91	1.74					
AV	2.483502G	53.00	54.00	-1.00	32.21	3	Horizontal	91	1.74					
PK	2.4612G	116.67	Inf	-Inf	32.14	3	Horizontal	91	1.74					
PK	2.4854G	69.62	74.00	-4.38	32.21	3	Horizontal	91	1.74					

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

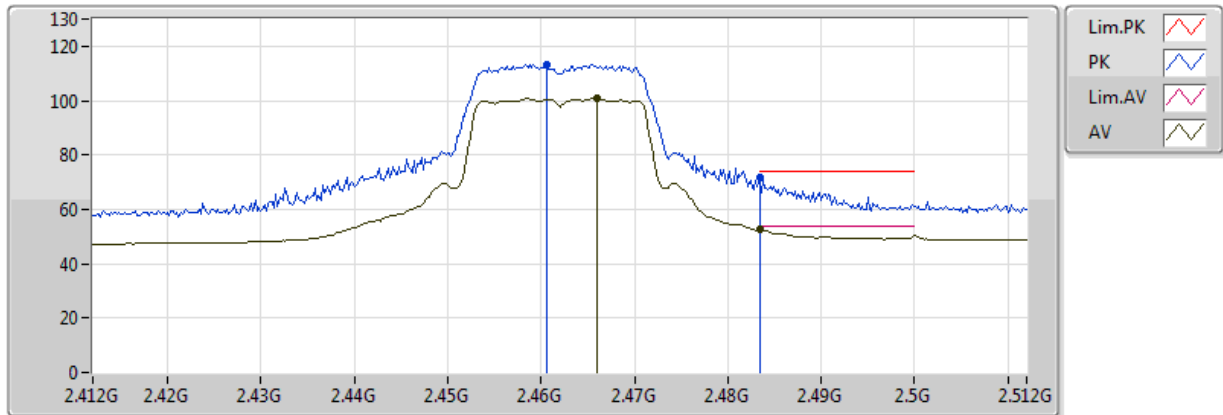


20171121
EUT Y_2TX
Setting 68
06-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.4594G	98.39	Inf	-Inf	32.34	3	Vertical	270	1.64					
AV	2.483502G	49.73	54.00	-4.27	32.42	3	Vertical	270	1.64					
PK	2.467G	109.58	Inf	-Inf	32.37	3	Vertical	270	1.64					
PK	2.4846G	68.67	74.00	-5.33	32.42	3	Vertical	270	1.64					

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

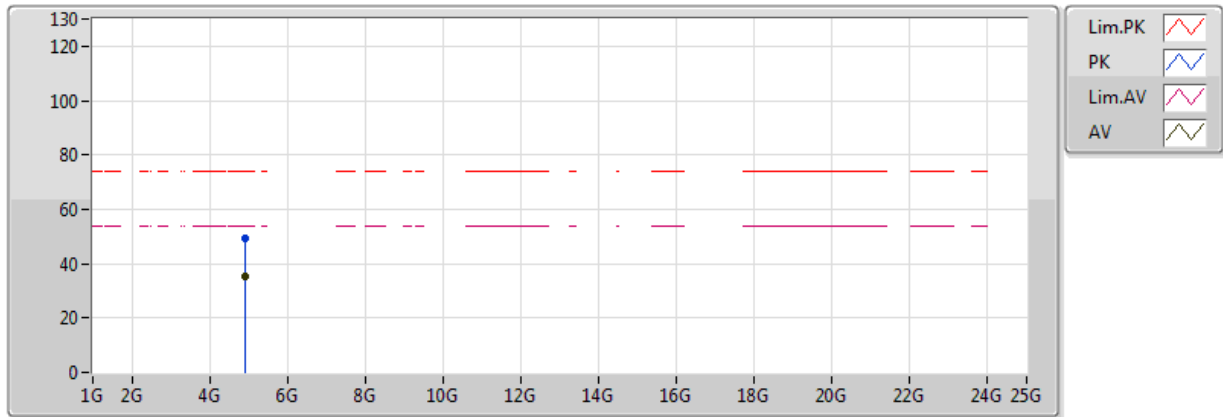


20171121
EUT Y_2TX
Setting 68
06-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.466G	100.87	Inf	-Inf	32.36	3	Horizontal	96	1.71					
AV	2.483502G	52.56	54.00	-1.44	32.42	3	Horizontal	96	1.71					
PK	2.4606G	113.44	Inf	-Inf	32.35	3	Horizontal	96	1.71					
PK	2.483502G	71.47	74.00	-2.53	32.42	3	Horizontal	96	1.71					

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

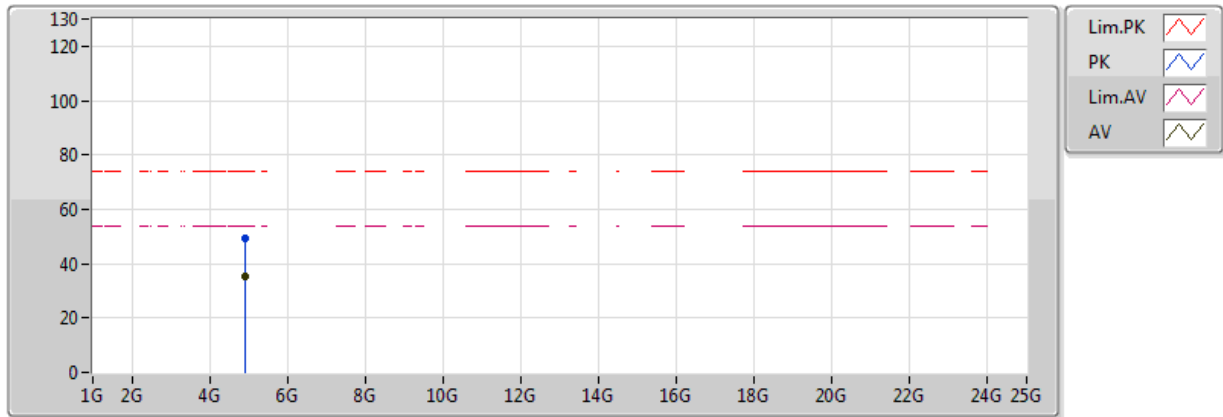


20171125
EUT Y_2TX
Setting 68
03-Z-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	4.92232G	35.08	54.00	-18.92	6.97	3	Vertical	119	1.83					
PK	4.92704G	49.09	74.00	-24.91	6.99	3	Vertical	119	1.83					

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

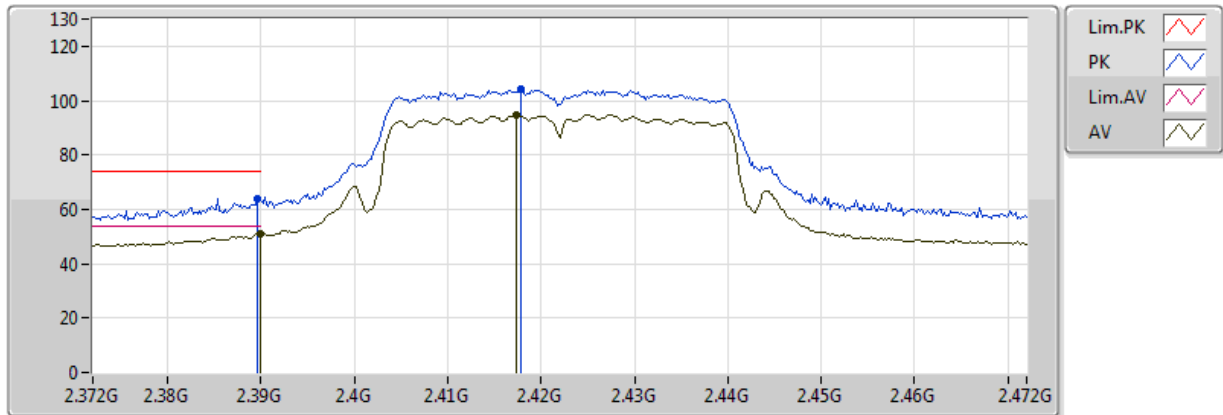


20171125
EUT Y_2TX
Setting 68
03-Z-1
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	4.92464G	35.10	54.00	-18.90	6.98	3	Horizontal	256	1.46					
PK	4.92792G	49.17	74.00	-24.83	6.99	3	Horizontal	256	1.46					

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

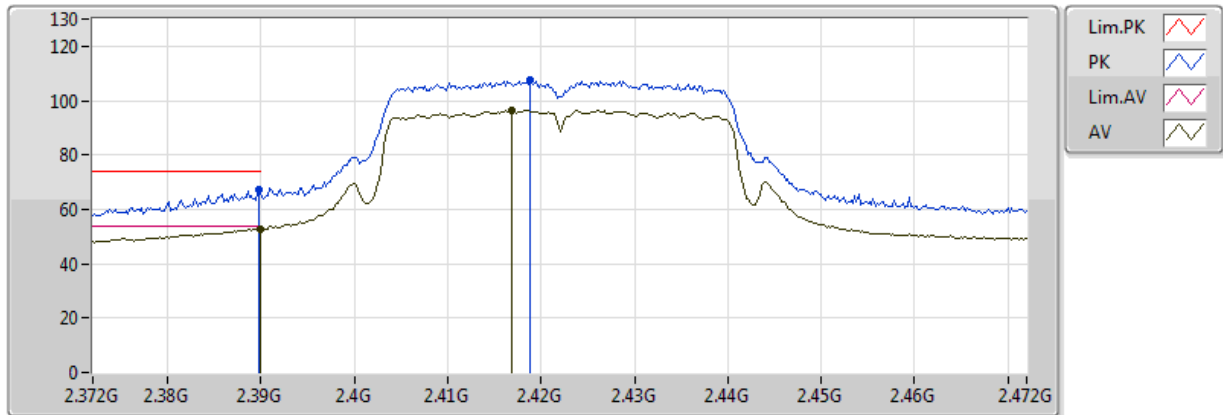


20171121
EUT Y_2TX
Setting 53
06-L-3
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.39G	50.99	54.00	-3.01	32.12	3	Vertical	282	1.62					
AV	2.4174G	94.94	Inf	-Inf	32.21	3	Vertical	282	1.62					
PK	2.3896G	64.05	74.00	-9.95	32.12	3	Vertical	282	1.62					
PK	2.4178G	104.00	Inf	-Inf	32.21	3	Vertical	282	1.62					

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

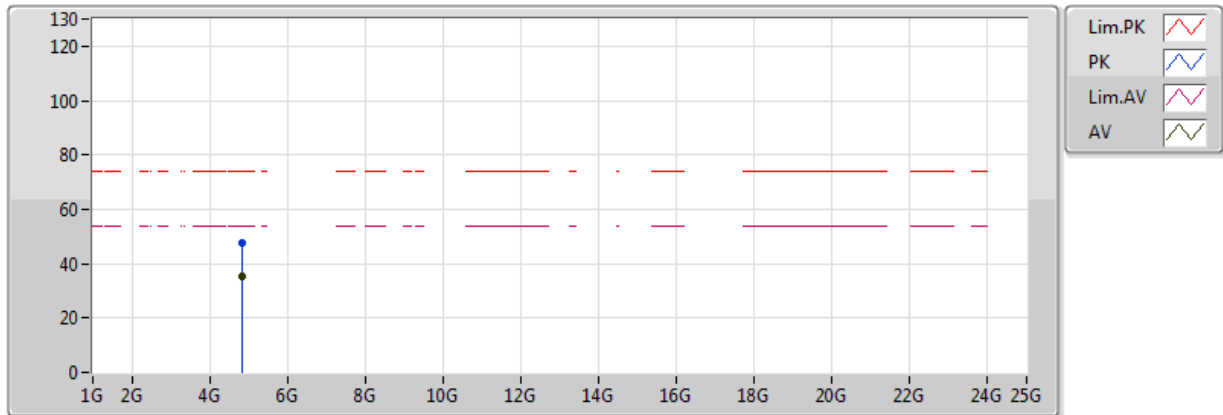


20171121
EUT Y_2TX
Setting 53
06-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.39G	52.78	54.00	-1.22	32.12	3	Horizontal	91	1.75					
AV	2.4168G	96.53	Inf	-Inf	32.20	3	Horizontal	91	1.75					
PK	2.3898G	67.25	74.00	-6.75	32.12	3	Horizontal	91	1.75					
PK	2.4188G	107.51	Inf	-Inf	32.21	3	Horizontal	91	1.75					

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

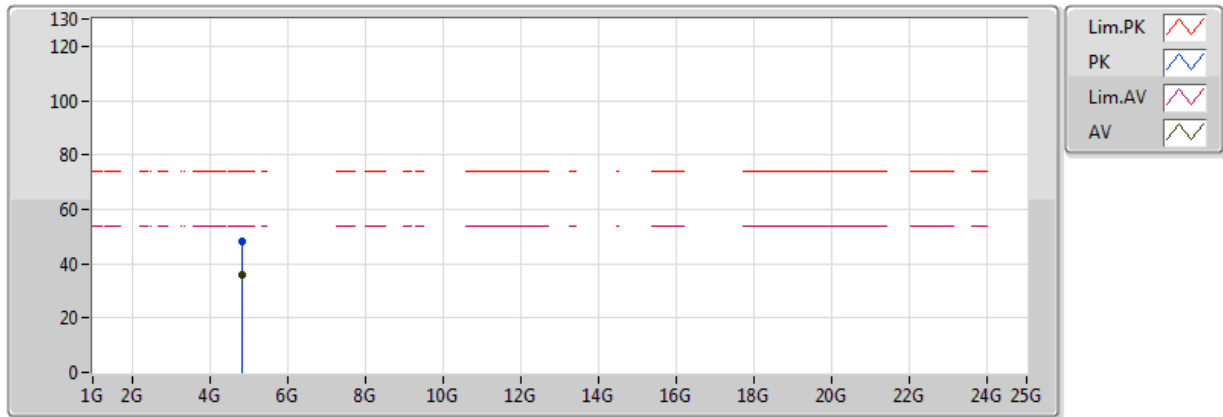


20171125
EUT Y_2TX
Setting 53
03-Z-1
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	4.84852G	35.50	54.00	-18.50	6.77	3	Vertical	33	1.49					
PK	4.8458G	47.76	74.00	-26.24	6.76	3	Vertical	33	1.49					

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

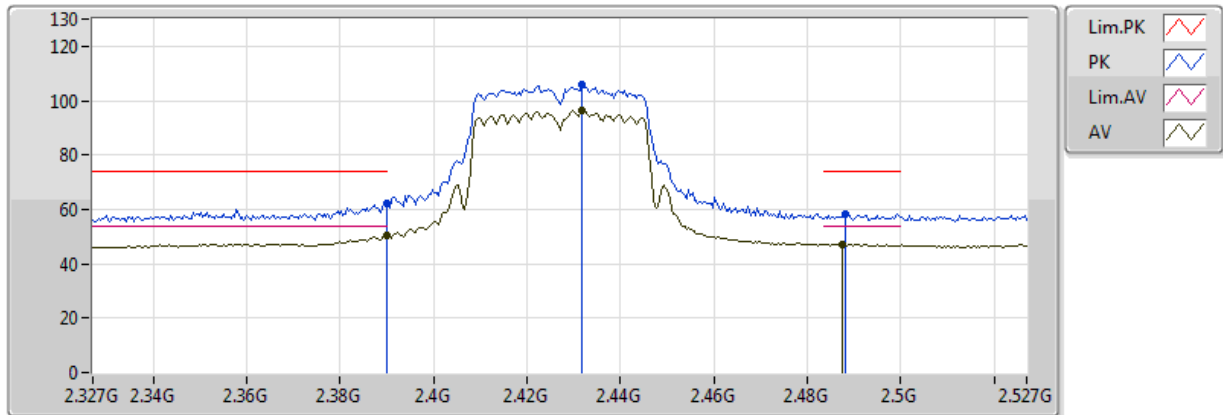


20171125
EUT Y_2TX
Setting 53
03-Z-1
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	4.84564G	35.63	54.00	-18.37	6.76	3	Horizontal	182	2.37					
PK	4.83476G	48.09	74.00	-25.91	6.73	3	Horizontal	182	2.37					

802.11n HT40_Nss1,(MCS0)_2TX

2427MHz_TX

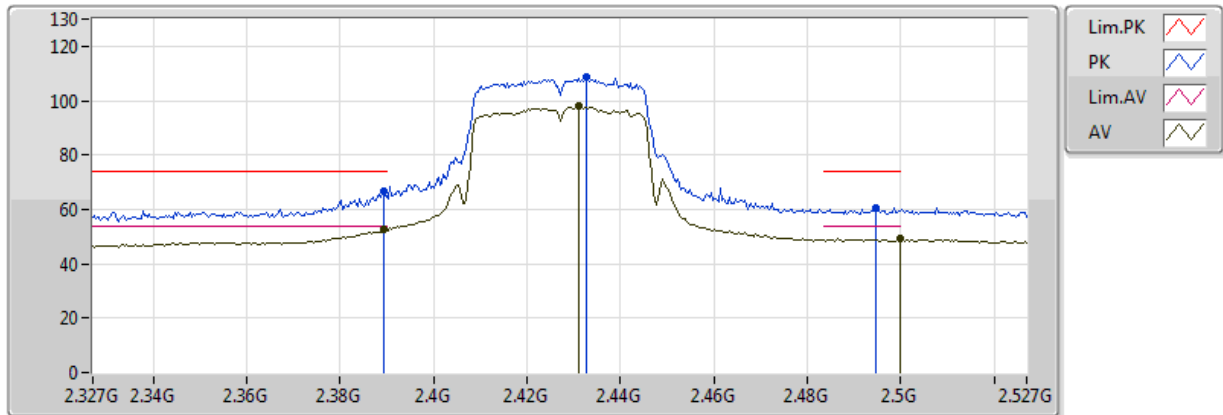


20171122
EUT Y_2TX
Setting 57
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.389998G	50.31	54.00	-3.69	31.92	3	Vertical	266	1.70					
AV	2.4318G	96.52	Inf	-Inf	32.05	3	Vertical	266	1.70					
AV	2.4874G	47.34	54.00	-6.66	32.22	3	Vertical	266	1.70					
PK	2.389998G	62.33	74.00	-11.67	31.92	3	Vertical	266	1.70					
PK	2.4318G	105.63	Inf	-Inf	32.05	3	Vertical	266	1.70					
PK	2.4882G	58.49	74.00	-15.51	32.22	3	Vertical	266	1.70					

802.11n HT40_Nss1,(MCS0)_2TX

2427MHz_TX

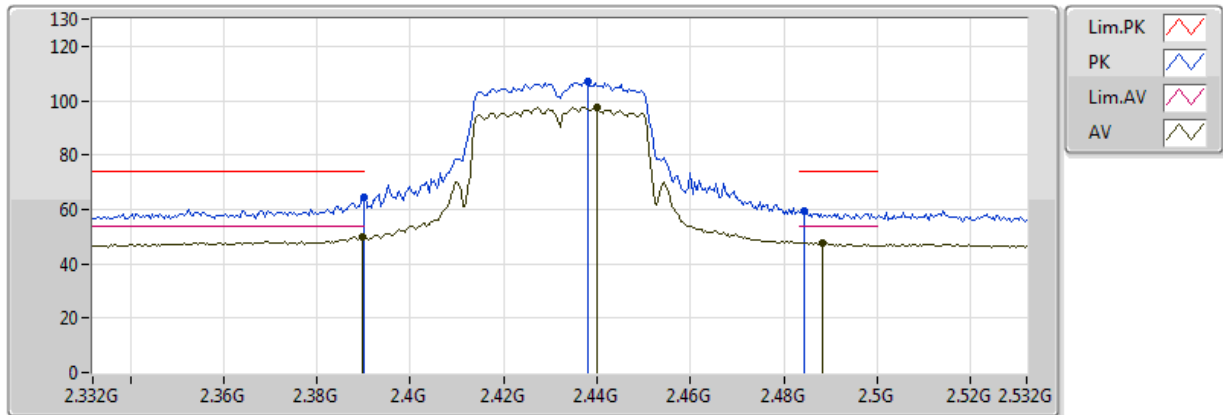


20171122
EUT Y_2TX
Setting 57
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.3894G	52.90	54.00	-1.10	31.92	3	Horizontal	87	1.92					
AV	2.431G	97.91	Inf	-Inf	32.05	3	Horizontal	87	1.92					
AV	2.499998G	49.34	54.00	-4.66	32.26	3	Horizontal	87	1.92					
PK	2.3894G	66.43	74.00	-7.57	31.92	3	Horizontal	87	1.92					
PK	2.4326G	108.66	Inf	-Inf	32.05	3	Horizontal	87	1.92					
PK	2.4946G	60.45	74.00	-13.55	32.24	3	Horizontal	87	1.92					

802.11n HT40_Nss1,(MCS0)_2TX

2432MHz_TX

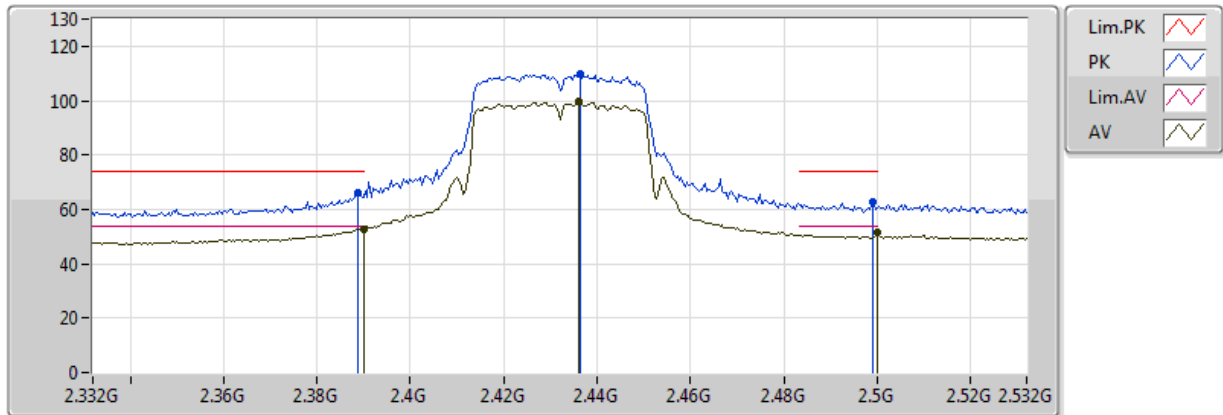


20171125
EUT Y_2TX
Setting 63
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.3896G	49.77	54.00	-4.23	31.92	3	Vertical	278	1.83					
AV	2.44G	97.38	Inf	-Inf	32.07	3	Vertical	278	1.83					
AV	2.4884G	47.68	54.00	-6.32	32.22	3	Vertical	278	1.83					
PK	2.39G	64.57	74.00	-9.43	31.92	3	Vertical	278	1.83					
PK	2.438G	107.13	Inf	-Inf	32.07	3	Vertical	278	1.83					
PK	2.4844G	59.62	74.00	-14.38	32.21	3	Vertical	278	1.83					

802.11n HT40_Nss1,(MCS0)_2TX

2432MHz_TX

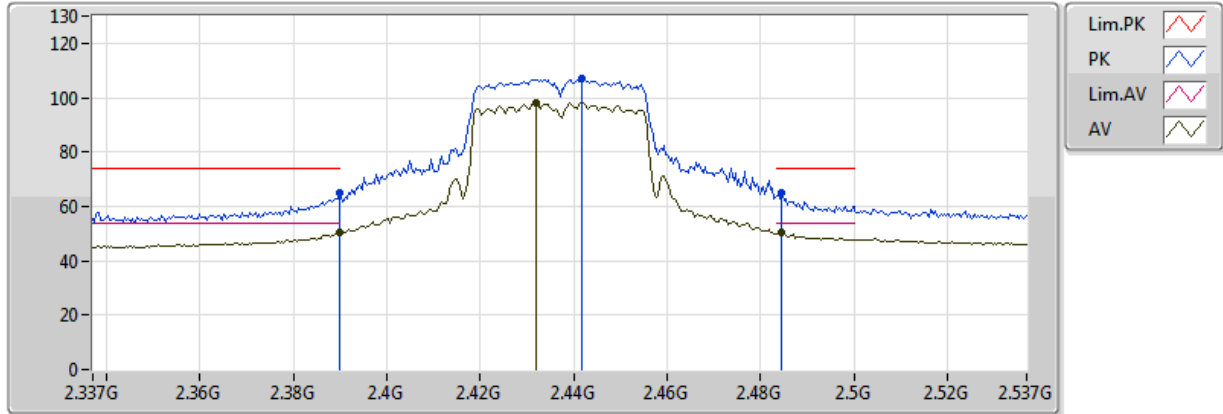


20171122
EUT Y_2TX
Setting 63
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.39G	52.76	54.00	-1.24	31.92	3	Horizontal	82	1.78					
AV	2.436G	99.57	Inf	-Inf	32.06	3	Horizontal	82	1.78					
AV	2.5G	51.34	54.00	-2.66	32.26	3	Horizontal	82	1.78					
PK	2.3888G	65.90	74.00	-8.10	31.92	3	Horizontal	82	1.78					
PK	2.4364G	109.70	Inf	-Inf	32.06	3	Horizontal	82	1.78					
PK	2.4992G	62.50	74.00	-11.50	32.26	3	Horizontal	82	1.78					

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

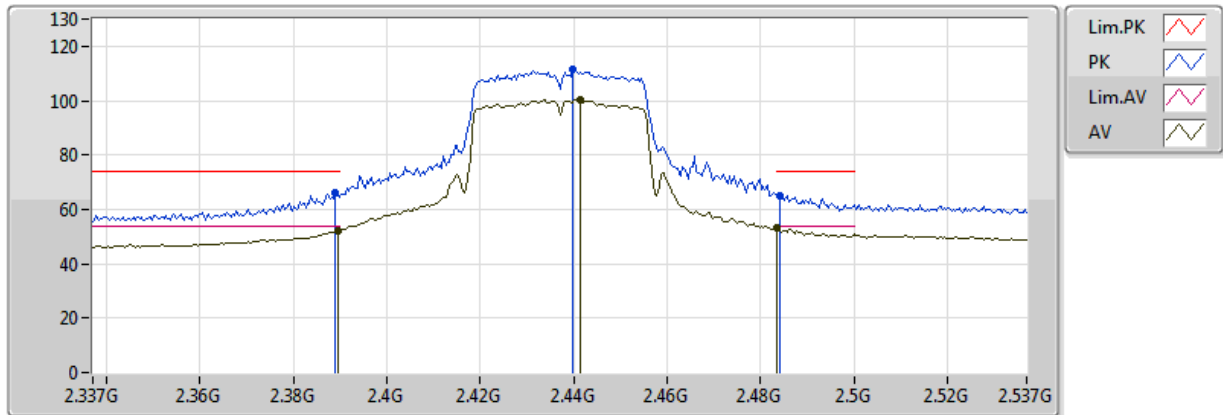


20171121
EUT Y_2TX
Setting 72
06-L-3
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.389998G	50.44	54.00	-3.56	32.12	3	Vertical	360	2.50					
AV	2.4318G	98.15	Inf	-Inf	32.25	3	Vertical	360	2.50					
AV	2.4846G	50.33	54.00	-3.67	32.42	3	Vertical	360	2.50					
PK	2.389998G	65.03	74.00	-8.97	32.12	3	Vertical	360	2.50					
PK	2.4418G	106.89	Inf	-Inf	32.29	3	Vertical	360	2.50					
PK	2.4846G	65.25	74.00	-8.75	32.42	3	Vertical	360	2.50					

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

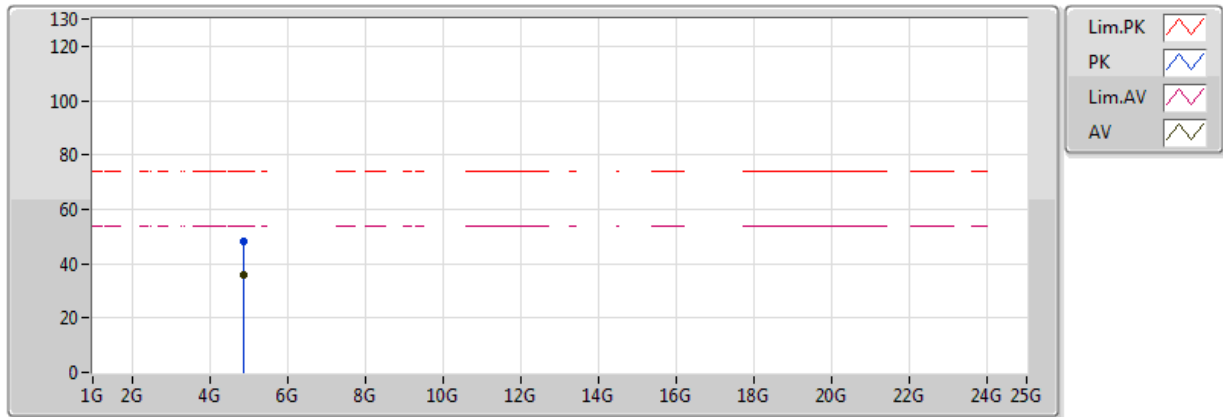


20171121
EUT Y_2TX
Setting 72
06-L-3
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.3894G	52.37	54.00	-1.63	32.12	3	Horizontal	88	1.93					
AV	2.4414G	100.47	Inf	-Inf	32.28	3	Horizontal	88	1.93					
AV	2.483502G	53.00	54.00	-1.00	32.42	3	Horizontal	88	1.93					
PK	2.389G	65.86	74.00	-8.14	32.11	3	Horizontal	88	1.93					
PK	2.4398G	111.24	Inf	-Inf	32.28	3	Horizontal	88	1.93					
PK	2.4842G	64.98	74.00	-9.02	32.42	3	Horizontal	88	1.93					

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

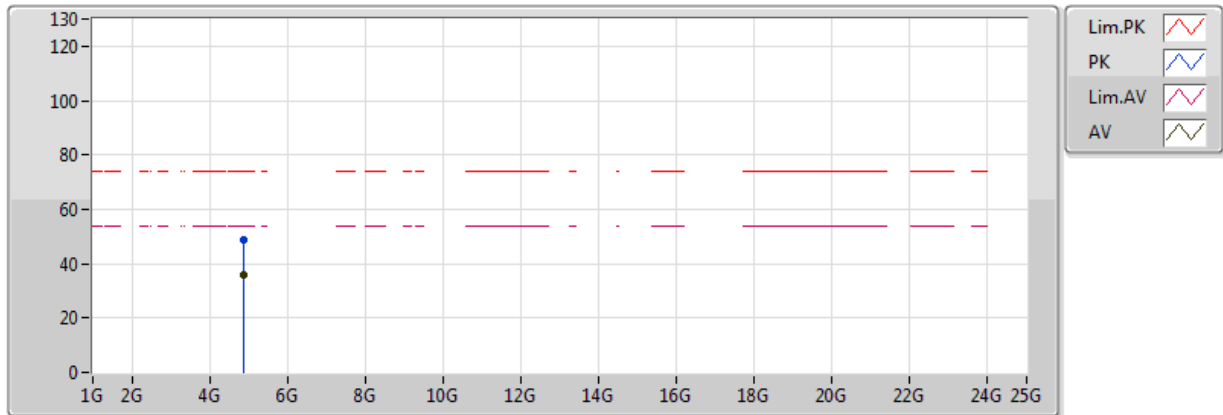


20171125
EUT Y_2TX
Setting 72
03-Z-1
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	4.8668G	36.01	54.00	-17.99	6.82	3	Vertical	49	1.39					
PK	4.88288G	48.17	74.00	-25.83	6.86	3	Vertical	49	1.39					

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

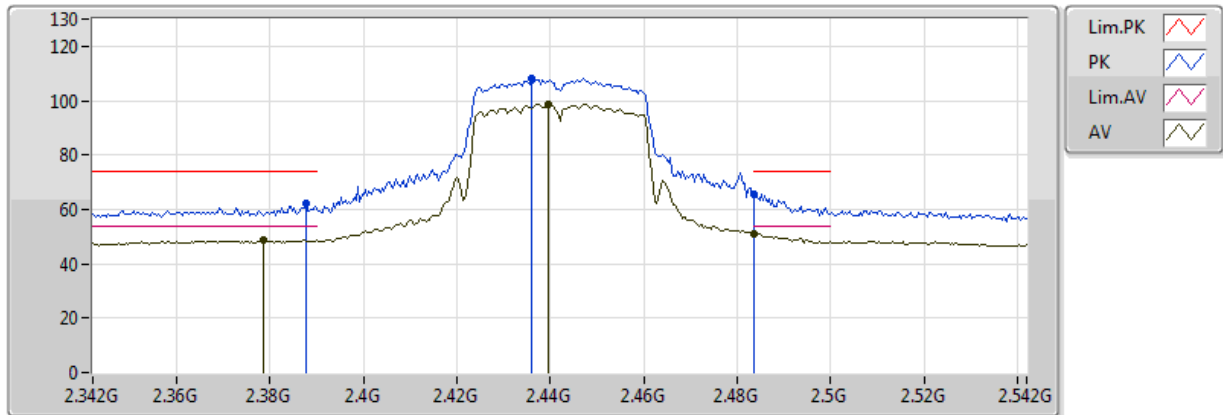


20171125
EUT Y_2TX
Setting 72
03-Z-1
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	4.8672G	35.94	54.00	-18.06	6.82	3	Horizontal	244	1.80					
PK	4.88388G	49.02	74.00	-24.98	6.86	3	Horizontal	244	1.80					

802.11n HT40_Nss1,(MCS0)_2TX

2442MHz_TX

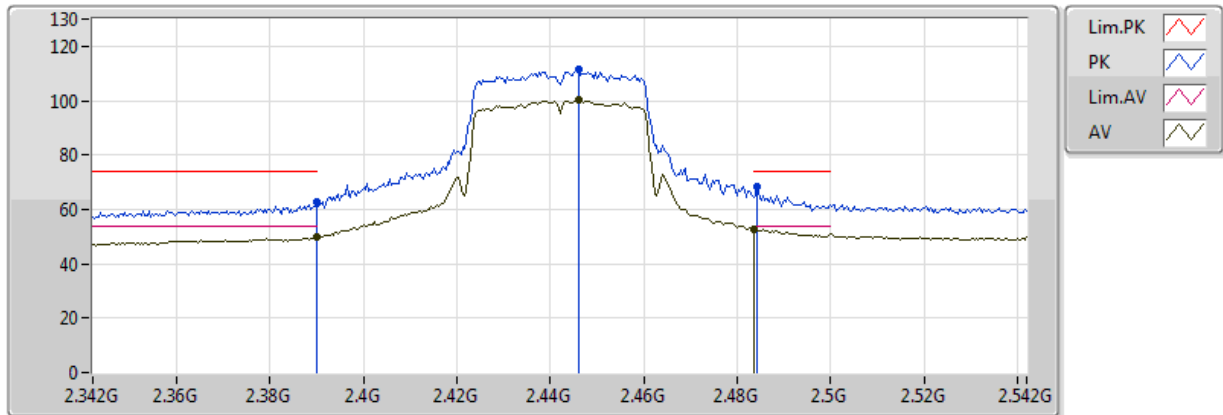


20171125
EUT Y_2TX
Setting 66
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.3784G	48.66	54.00	-5.34	31.90	3	Vertical	277	1.84					
AV	2.4396G	98.69	Inf	-Inf	32.07	3	Vertical	277	1.84					
AV	2.4836G	50.90	54.00	-3.10	32.21	3	Vertical	277	1.84					
PK	2.3876G	61.98	74.00	-12.02	31.92	3	Vertical	277	1.84					
PK	2.436G	108.03	Inf	-Inf	32.06	3	Vertical	277	1.84					
PK	2.4836G	65.66	74.00	-8.34	32.21	3	Vertical	277	1.84					

802.11n HT40_Nss1,(MCS0)_2TX

2442MHz_TX

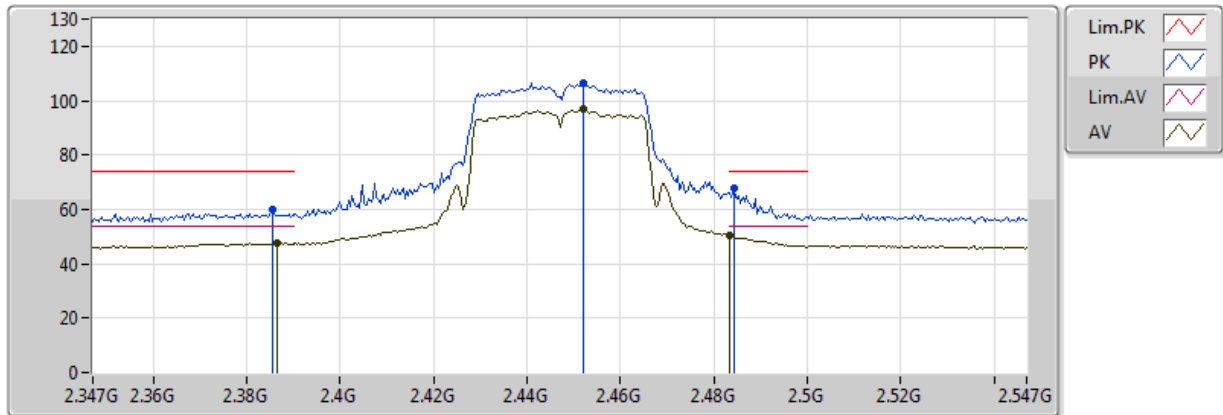


20171122
EUT Y_2TX
Setting 66
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.39G	49.69	54.00	-4.31	31.92	3	Horizontal	89	2.15					
AV	2.446G	100.50	Inf	-Inf	32.09	3	Horizontal	89	2.15					
AV	2.4836G	52.82	54.00	-1.18	32.21	3	Horizontal	89	2.15					
PK	2.39G	62.72	74.00	-11.28	31.92	3	Horizontal	89	2.15					
PK	2.446G	111.32	Inf	-Inf	32.09	3	Horizontal	89	2.15					
PK	2.4844G	68.39	74.00	-5.61	32.21	3	Horizontal	89	2.15					

802.11n HT40_Nss1,(MCS0)_2TX

2447MHz_TX

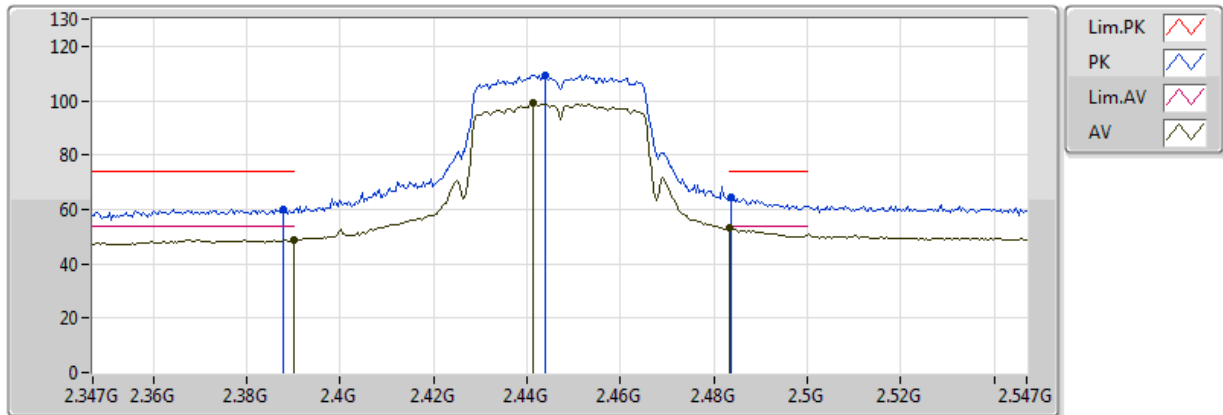


20171125
EUT Y_2TX
Setting 60
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.3866G	47.77	54.00	-6.23	31.92	3	Vertical	359	1.82					
AV	2.4522G	97.01	Inf	-Inf	32.11	3	Vertical	359	1.82					
AV	2.483502G	50.60	54.00	-3.40	32.21	3	Vertical	359	1.82					
PK	2.3854G	59.80	74.00	-14.20	31.91	3	Vertical	359	1.82					
PK	2.4522G	106.22	Inf	-Inf	32.11	3	Vertical	359	1.82					
PK	2.4842G	67.80	74.00	-6.20	32.21	3	Vertical	359	1.82					

802.11n HT40_Nss1,(MCS0)_2TX

2447MHz_TX

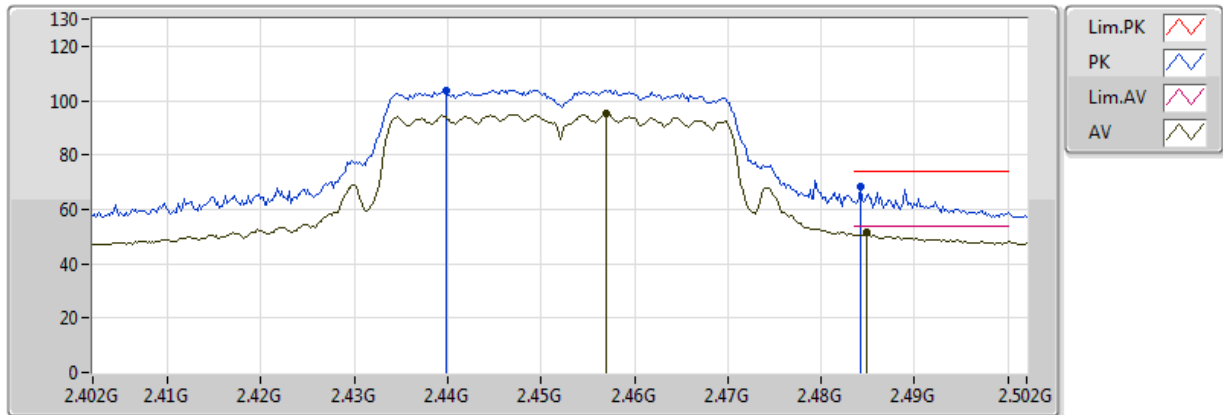


20171122
EUT Y_2TX
Setting 60
03-Z-1
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	2.389998G	48.76	54.00	-5.24	31.92	3	Horizontal	87	2.16					
AV	2.4414G	98.93	Inf	-Inf	32.08	3	Horizontal	87	2.16					
AV	2.483502G	52.96	54.00	-1.04	32.21	3	Horizontal	87	2.16					
PK	2.3878G	60.21	74.00	-13.79	31.92	3	Horizontal	87	2.16					
PK	2.4438G	109.51	Inf	-Inf	32.09	3	Horizontal	87	2.16					
PK	2.4838G	64.53	74.00	-9.47	32.21	3	Horizontal	87	2.16					

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

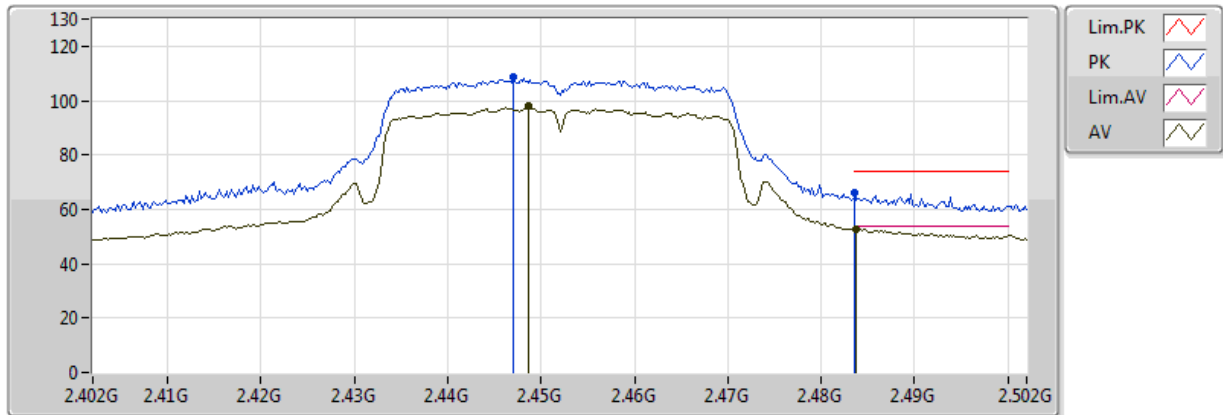


20171121
EUT Y_2TX
Setting 60
06-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.457G	95.16	Inf	-Inf	32.34	3	Vertical	265	1.50					
AV	2.4848G	51.46	54.00	-2.54	32.43	3	Vertical	265	1.50					
PK	2.4398G	103.91	Inf	-Inf	32.28	3	Vertical	265	1.50					
PK	2.4842G	68.58	74.00	-5.42	32.42	3	Vertical	265	1.50					

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

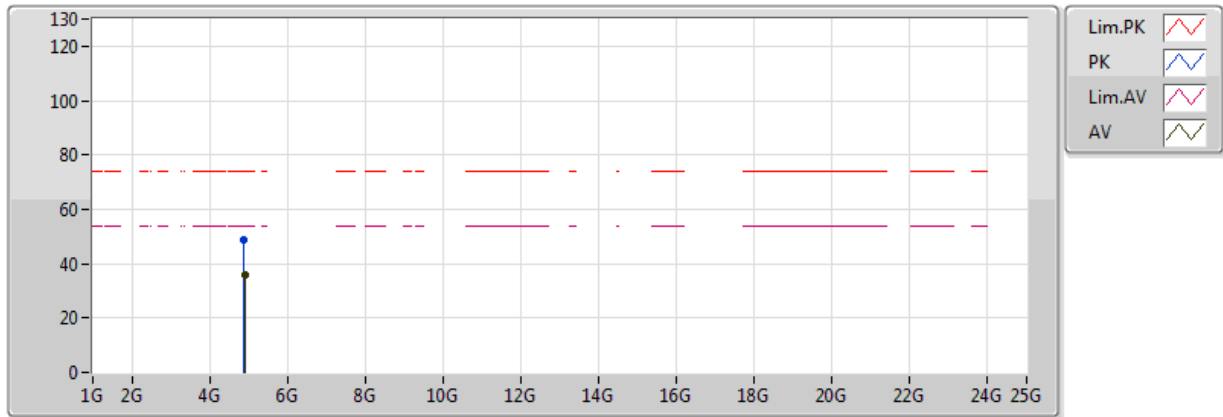


20171121
EUT Y_2TX
Setting 60
06-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	2.4486G	97.80	Inf	-Inf	32.31	3	Horizontal	84	1.39					
AV	2.4838G	52.88	54.00	-1.12	32.42	3	Horizontal	84	1.39					
PK	2.447G	108.45	Inf	-Inf	32.30	3	Horizontal	84	1.39					
PK	2.4836G	66.13	74.00	-7.87	32.42	3	Horizontal	84	1.39					

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

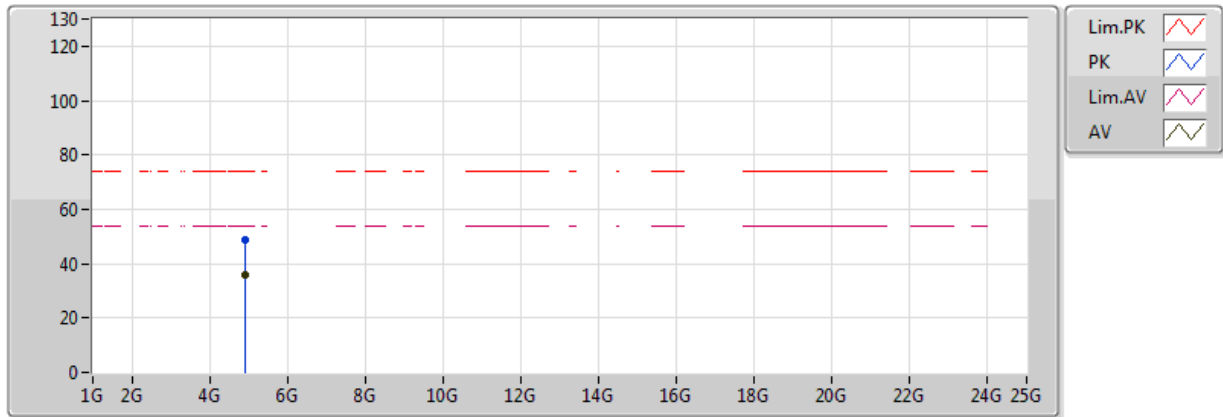


20171125
EUT Y_2TX
Setting 60
03-Z-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height					
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	4.91276G	35.85	54.00	-18.15	6.95	3	Vertical	236	1.06					
PK	4.89556G	48.65	74.00	-25.35	6.90	3	Vertical	236	1.06					

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX



20171125
EUT Y_2TX
Setting 60
03-Z-1
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)					
AV	4.91268G	35.83	54.00	-18.17	6.95	3	Horizontal	123	2.36					
PK	4.90676G	48.58	74.00	-25.42	6.93	3	Horizontal	123	2.36					

