FCC Test Report

Equipment	:	AC3000 Tri-Band Wireless Gigabit Dual-WAN VPN SMB Router
Brand Name	:	TRENDnet
Model No.	:	TEW-829DRU
FCC ID	:	XU8TEW829DRU
Standard	:	47 CFR FCC Part 15.247
Operating Band	:	2400 MHz – 2483.5 MHz
Function	:	☒ Point-to-multipoint; ☐ Point-to-point
Applicant	:	TRENDnet, Inc. 20675 Manhattan, Place, Torrance, CA, 90501

The product sample received on Dec. 20, 2017 and completely tested on Feb. 09, 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.

Cliff Chang
SPORTON INTERNATIONAL INC.

Testing Laboratory
1190

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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

Report No.	Version	Description	Issued Date
FR7D2029AA	Rev. 01	Initial issue of report	Feb. 21, 2018

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	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11n HT20-BF	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX
2.4-2.4835GHz	802.11n HT40-BF	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.	2.4G Port	5G B1 Port	5G B4 Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	-	1	WHA YU	C732-510011-A	Dipole Antenna	Reversed-SMA	Note1
2	2	-	2	WHA YU	C732-510011-A	Dipole Antenna	Reversed-SMA	
3	-	1	-	WHA YU	C732-510011-A	Dipole Antenna	Reversed-SMA	
4	-	2	-	WHA YU	C732-510011-A	Dipole Antenna	Reversed-SMA	
5	-	3	-	WHA YU	C732-510011-A	Dipole Antenna	Reversed-SMA	
6	-	4	-	WHA YU	C732-510011-A	Dipole Antenna	Reversed-SMA	

Note 1:

Ant.	2.4G Port	5G B1 Port	5G B4 Port	Gain (dBi)			Cable loss (dB)			True Gain (dBi)		
				2.4G	5G B1	5G B4	2.4G	5G B1	5G B4	2.4G	5G B1	5G B4
1	1	-	1	2.9	4.4	4.4	2.5	2.5	2.5	0.4	1.9	1.9
2	2	-	2	2.9	4.4	4.4	2.5	2.5	2.5	0.4	1.9	1.9
3	-	1	-	2.9	4.4	4.4	2.5	2.5	2.5	0.4	1.9	1.9
4	-	2	-	2.9	4.4	4.4	2.5	2.5	2.5	0.4	1.9	1.9
5	-	3	-	2.9	4.4	4.4	2.5	2.5	2.5	0.4	1.9	1.9
6	-	4	-	2.9	4.4	4.4	2.5	2.5	2.5	0.4	1.9	1.9

Note 2: B1=Band 1, B4=Band 4, Connect to reverse SMA to execute the conducted measurement.

Note 3: The EUT has six antennas.

<For 2.4GHz Band / For Radio 1>

For IEEE 802.11b/g/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 1 / For Radio 2>

For IEEE 802.11a/n/ac mode (4TX/4RX)

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

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

<For 5GHz Band 4 / For Radio 3>

For IEEE 802.11a/n/ac mode (2TX/2RX)

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

Port 1 and Port 2 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.992	0.035	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.963	0.164	2.068m	1k
802.11n HT20	0.988	0.052	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT20-BF	0.93	0.315	1.751m	1k
802.11n HT40	0.967	0.146	2.43m	1k
802.11n HT40-BF	0.91	0.41	1.75m	1k

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming function for 802.11n in 2.4GHz/5GHz and 802.11ac in 5GHz.	☐	Without beamforming
Test Software Version	For non-beamforming mode: QRCT Version3.0.210.0 For beamforming mode: PUTTY.EXE			

1.1.5 Table for Radio type

Radio No.	function	Chip brand Name
Radio 1	2.4GHz	IPQ4019
Radio 2	5GHz Band 1	QCA9984
Radio 3	5GHz Band 4	IPQ4019

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	Stim Sung & Brian Sun & Paul Chen & Ron Huang	25°C / 55%	Jan. 05, 2018 ~ Feb. 09, 2018
Radiated	03CH01-CB	Jay Luo & Zero Chen & Cola Fan & Eason Chen	22°C / 54%	Dec. 29, 2017 ~ Feb. 09, 2018
AC Conduction	CO01-CB	Max Lin	24°C / 56%	Jan. 03, 2018

Test site Designation No. TW0006 with FCC.
Test site registered number IC 4086D with Industry Canada.

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	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	9.74×10^{-8}	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	21
2417MHz	21
2422MHz	21.5
2427MHz	21.5
2432MHz	23.5
2437MHz	23.5
2442MHz	23.5
2447MHz	22.5
2452MHz	22.5
2457MHz	22
2462MHz	19.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	15
2417MHz	17
2422MHz	18.5
2427MHz	20
2432MHz	21.5
2437MHz	21.5
2442MHz	20.5
2447MHz	20
2452MHz	18
2457MHz	16
2462MHz	14
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	15
2417MHz	17
2422MHz	18.5
2427MHz	19.5
2432MHz	21
2437MHz	21.5
2442MHz	20
2447MHz	19.5
2452MHz	17
2457MHz	16
2462MHz	12.5
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	13.5

Mode	Power Setting
2427MHz	14
2432MHz	14.5
2437MHz	15
2442MHz	13
2447MHz	12
2452MHz	12
802.11n HT20-BF_Nss1,(MCS0)_2TX	-
2412MHz	16
2417MHz	19
2422MHz	19
2427MHz	21
2432MHz	22.5
2437MHz	22.5
2447MHz	22.5
2452MHz	22.5
2457MHz	20
2462MHz	19
802.11n HT40-BF_Nss1,(MCS0)_2TX	-
2422MHz	16
2427MHz	15
2432MHz	16
2437MHz	18.5
2442MHz	18
2447MHz	17.5
2452MHz	16.5

Note:
- There are two modes of EUT for 802.11n in 2.4GHz/5GHz and 802.11ac in 5GHz. One is beamforming mode, and the other is non-beamforming mode. Both modes have been tested and recorded in this test report.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	EUT with Adapter 1
2	EUT with Adapter 2
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 with Adapter 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 with Adapter 1 in Z axis
2	EUT with Adapter 1 in X axis
Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	EUT with Adapter 2 in Z axis
Mode 1 generated the worst test result, so it was recorded in this report.	
Operating Mode > 1GHz	CTX
	The EUT was performed at Z axis and X axis position for Radiated emission above 1GHz test, and the worst case was found at Z axis. So the measurement will follow this same test configuration.
1	EUT with Adapter 1 in Z axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
	The EUT was performed at Z axis and X axis position for Radiated emission above 1GHz test, and the worst case was found at Z axis. So the measurement will follow this same test configuration.
1	EUT in Z axis - Radio 1 (WLAN 2.4GHz) + Radio 3 (WLAN 5GHz Band 4)
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 in Z axis - Radio 1 (WLAN 2.4GHz) + Radio 2 (WLAN 5GHz Band 1) + Radio 3 (WLAN 5GHz Band 4)
Refer to Sporton Test Report No.: FA7D2029 for Co-location RF Exposure Evaluation.	

Note: The console port can not be used by end user. It is generally used for updating FW by applicant.

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

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

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	**Brand Name**	**Model Name**	**Rating**
Adapter 1	AMIGO	AMS157-1203000FU	Input: 100-240V~50/60Hz, 1A Output: 12V, 3.0A
Adapter 2	UMEC	UP0361K-12PA	Input: 100-240V~50/60Hz, 1A MAX Output: +12V, 3A, 36W MAX
Other			
Bracket *2			
Console cable*1, Non-Shielded, 1.5m			
RJ-45 cable*1, Non-Shielded, 1.5m			

Note1: The power adapter does not affect the test result of RF tests, so DTS Bandwidth, Maximum Conducted Output Power, Power Spectral Density, Emissions in Non-restricted Frequency Bands and Radiated measurement above 1GHz only test adapter 1 and recorded in this report.

Note2: All adapters test for AC power-line conducted emissions and Radiated measurement below 1GHz.

2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*6	DELL	E6430	DoC
2	Flash disk3.0	Transcend	JetFlash-700	DoC

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

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*4	DELL	E4300	DoC
2	NB*2	Apple	Mac Book	DoC
3	Flash disk3.0	Transcend	JetFlash-700	DoC

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

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

For beamforming mode

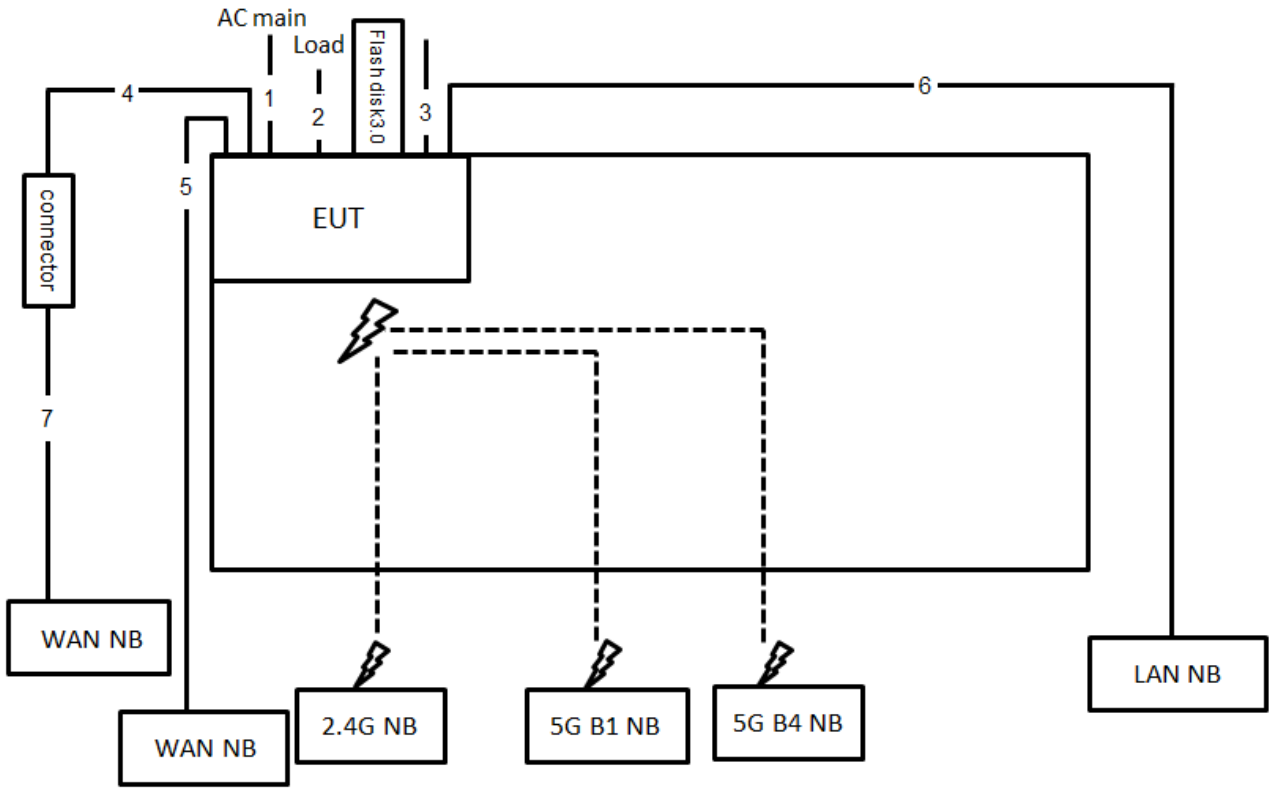
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*2	DELL	E4300	DoC
2	RX Device	TRENDnet	WRT-C92Q	N/A

For Test Site No: TH01-CB

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

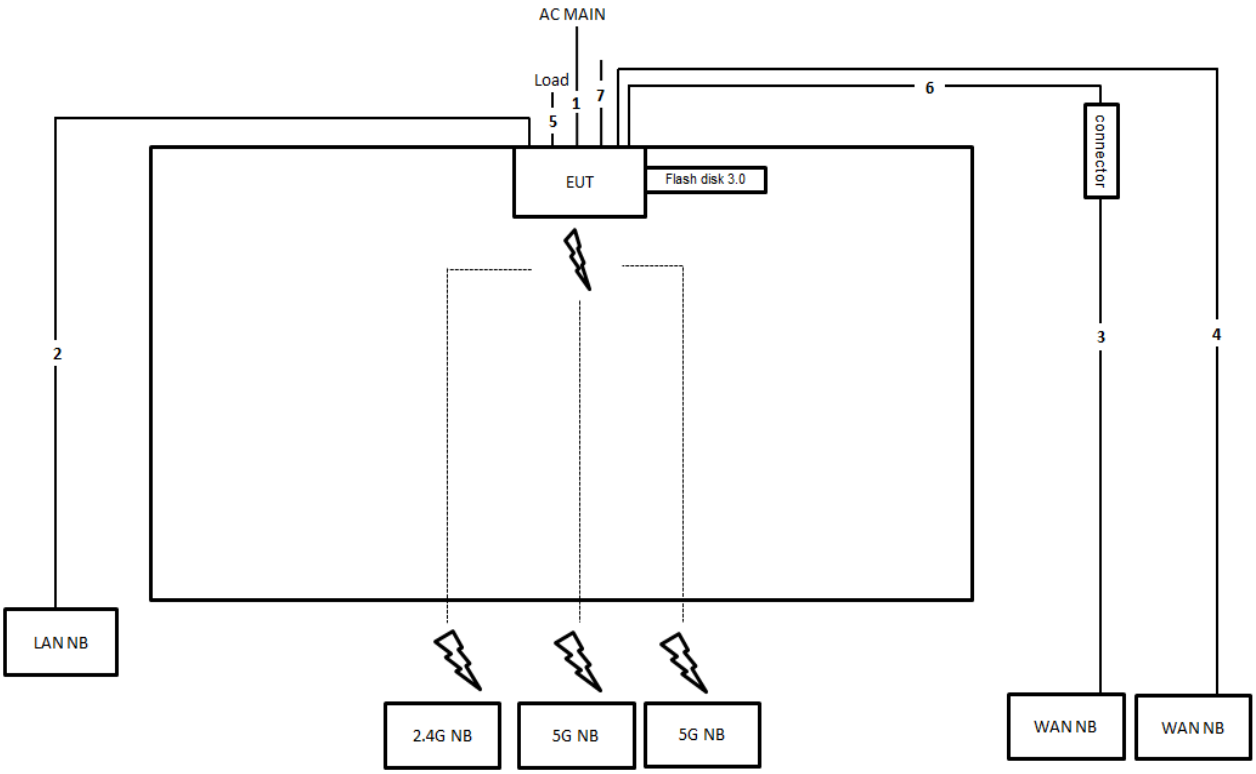
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



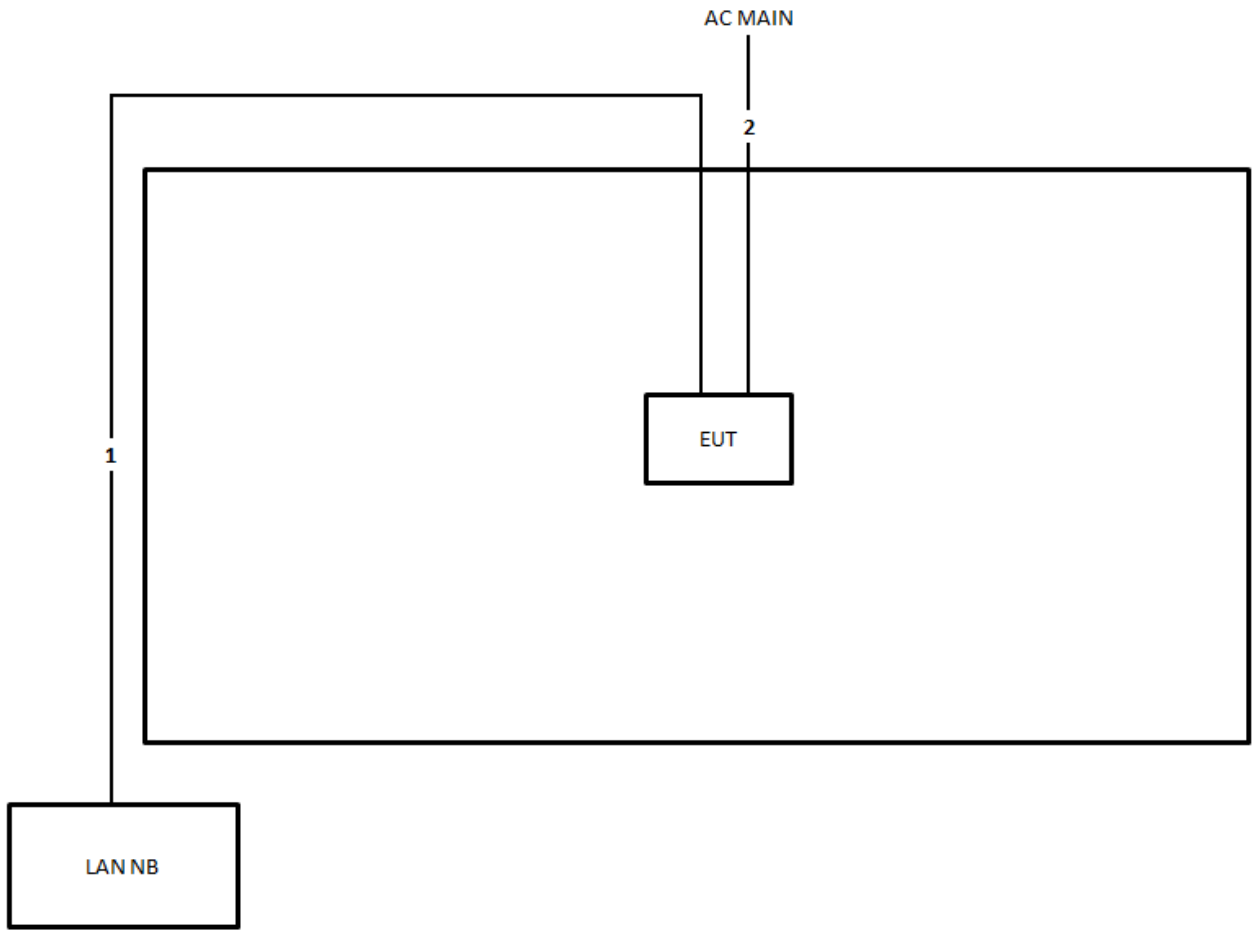
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable*7	No	1.5m
3	Console cable	No	1.5m
4	RJ-45 cable	No	1.5m
5	RJ-45 cable	No	1.5m
6	RJ-45 cable	No	10m
7	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test < 1GHz



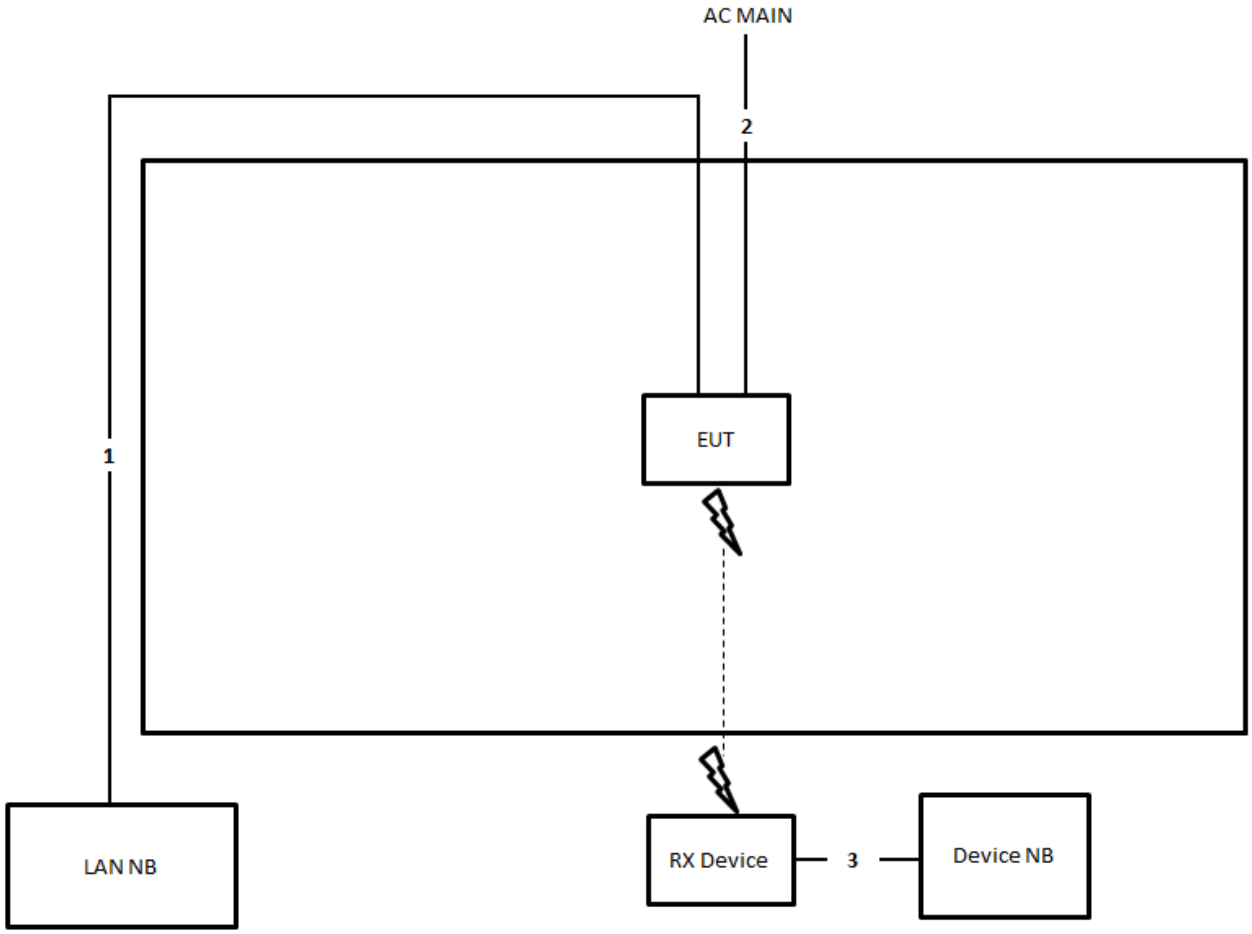
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	10m
5	RJ-45 cable*7	No	1.5m
6	RJ-45 cable	No	1.5m
7	Console cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz / For non-beamforming mode



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

Test Setup Diagram - Radiated Test > 1GHz / For beamforming mode



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

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

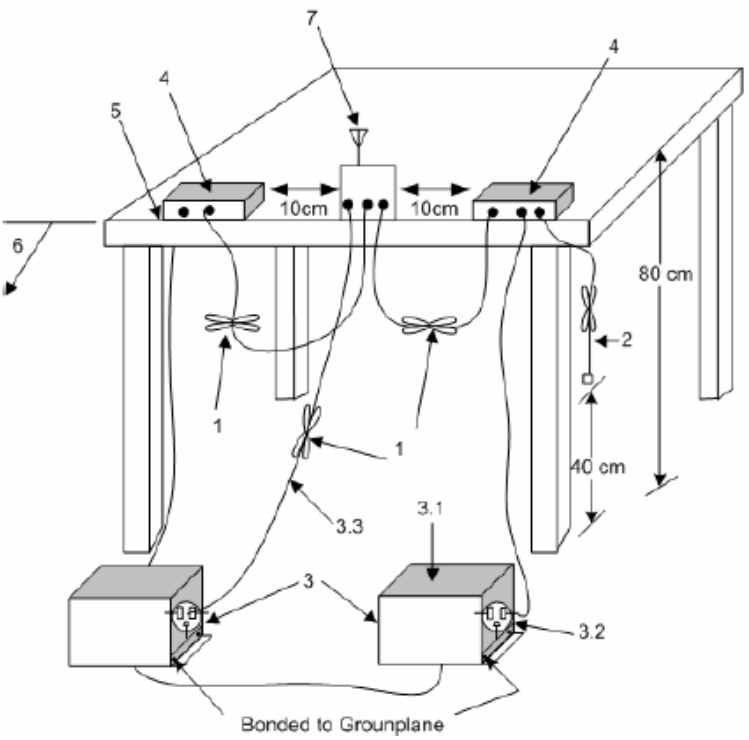
Refer a test equipment and calibration data table in this test report.

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

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

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 ≥ 500 kHz.

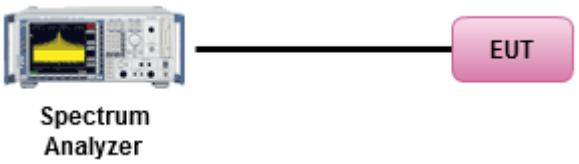
3.2.2 Measuring Instruments

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

Emission Bandwidth


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: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


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

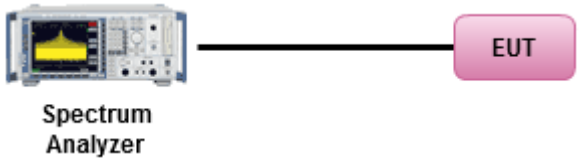
3.4.2 Measuring Instruments

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 ≥ 98% or external video / power trigger]	
	☐ Refer as FCC KDB 558074, clause 10.3 Method AVGPSD-1 (spectral trace averaging).	
	☐ Refer as FCC KDB 558074, clause 10.4 Method AVGPSD-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 AVGPSD-1 Alt (spectral trace averaging).	
	☐ Refer as FCC KDB 558074, clause 10.6 Method AVGPSD-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

Power Spectral Density


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

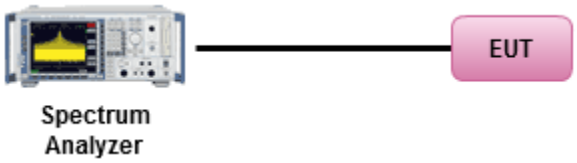
Refer a test equipment and calibration data table in this test report.

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

Emissions in Non-restricted Frequency Bands



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.

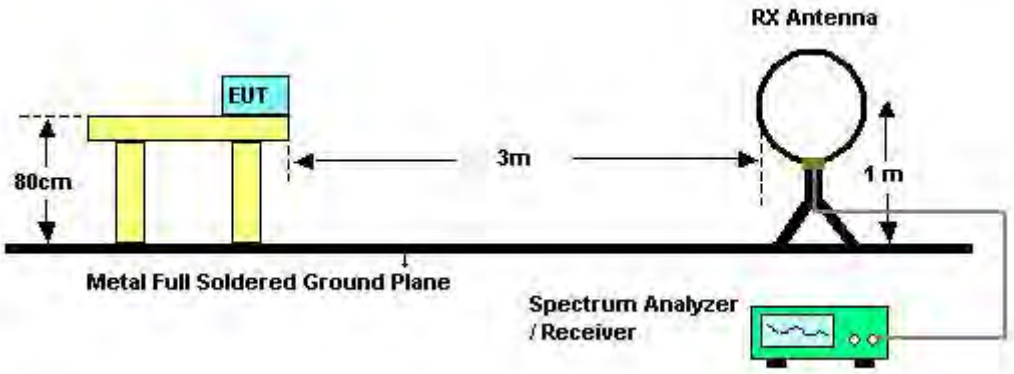
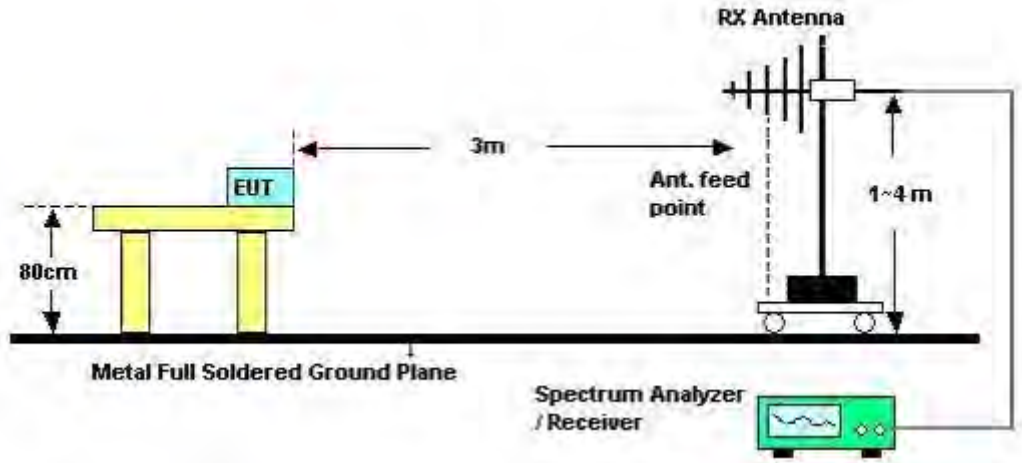
3.6.2 Measuring Instruments

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

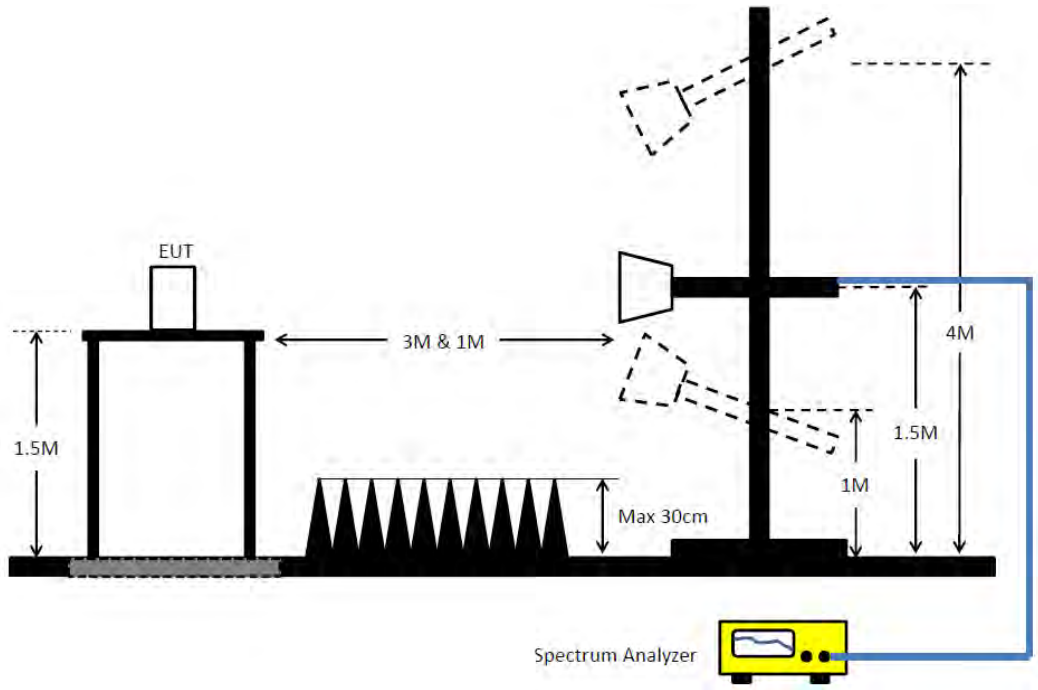
3.6.3 Test Procedures

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 ≥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≥1/T).
		☐ Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW ≥ 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

Transmitter Radiated Emissions
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



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

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-50-16-2	04083	150kHz ~ 100MHz	Dec. 20, 2017	Dec. 19, 2018	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 29, 2017	Dec. 28, 2018	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	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 09, 2018	Jan. 08, 2019	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)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 21, 2017	Dec. 20, 2018	Conducted (TH01-CB)

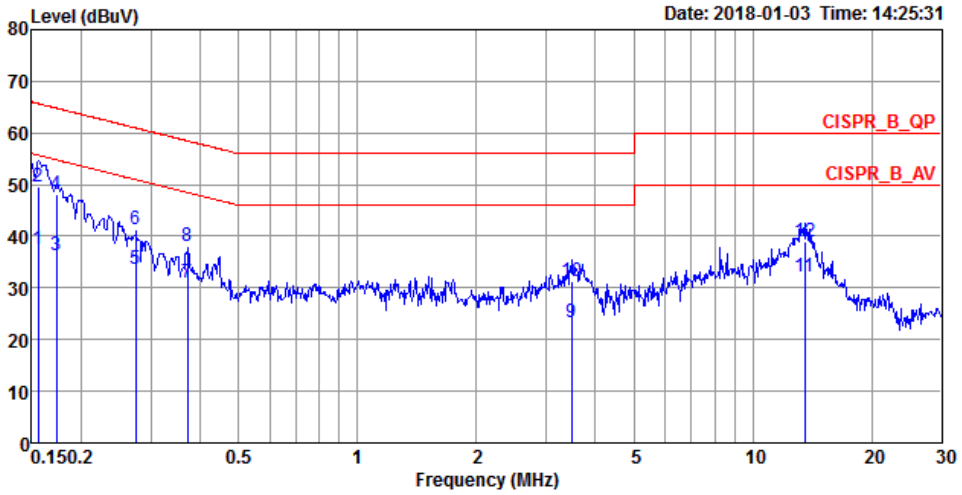
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (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.

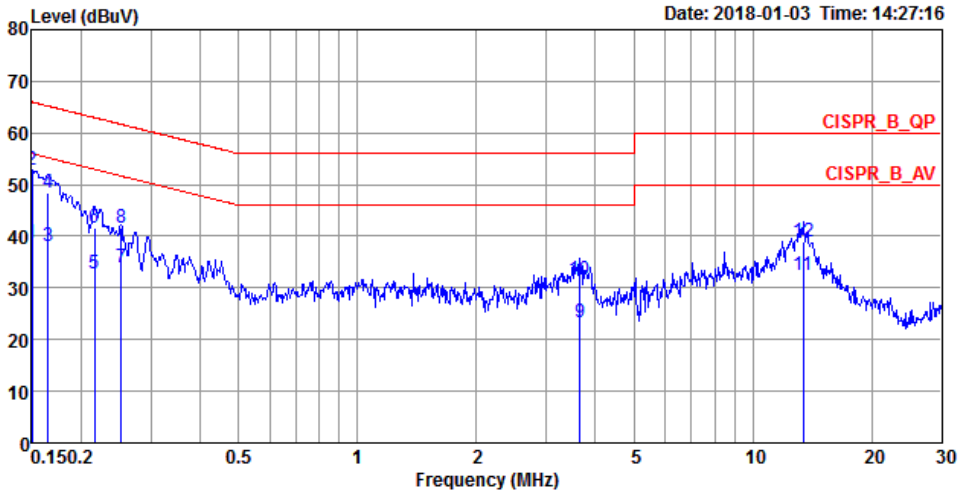
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1557	37.63	-18.06	55.69	27.37	10.10	0.16	Average	NEUTRAL
2	0.1557	49.45	-16.24	65.69	39.19	10.10	0.16	QP	NEUTRAL
3	0.1731	36.33	-18.48	54.81	26.09	10.10	0.14	Average	NEUTRAL
4	0.1731	48.25	-16.56	64.81	38.01	10.10	0.14	QP	NEUTRAL
5	0.2744	33.61	-17.37	50.98	23.41	10.12	0.08	Average	NEUTRAL
6	0.2744	41.20	-19.78	60.98	31.00	10.12	0.08	QP	NEUTRAL
7	0.3712	31.14	-17.33	48.47	20.90	10.22	0.02	Average	NEUTRAL
8	0.3712	38.19	-20.28	58.47	27.95	10.22	0.02	QP	NEUTRAL
9	3.4722	23.46	-22.54	46.00	13.38	9.96	0.12	Average	NEUTRAL
10	3.4722	31.26	-24.74	56.00	21.18	9.96	0.12	QP	NEUTRAL
11	13.5509	32.23	-17.77	50.00	21.80	10.25	0.18	Average	NEUTRAL
12	13.5509	38.91	-21.09	60.00	28.48	10.25	0.18	QP	NEUTRAL

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1500	38.53	-17.47	56.00	28.37	10.00	0.16	Average	LINE
2	0.1500	52.88	-13.12	66.00	42.72	10.00	0.16	QP	LINE
3	0.1650	38.03	-17.18	55.21	27.88	10.00	0.15	Average	LINE
4	0.1650	48.32	-16.89	65.21	38.17	10.00	0.15	QP	LINE
5	0.2162	32.73	-20.23	52.96	22.69	9.92	0.12	Average	LINE
6	0.2162	41.52	-21.44	62.96	31.48	9.92	0.12	QP	LINE
7	0.2521	34.08	-17.61	51.69	24.07	9.92	0.09	Average	LINE
8	0.2521	41.64	-20.05	61.69	31.63	9.92	0.09	QP	LINE
9	3.6611	23.35	-22.65	46.00	13.27	9.97	0.11	Average	LINE
10	3.6611	31.49	-24.51	56.00	21.41	9.97	0.11	QP	LINE
11	13.4080	32.39	-17.61	50.00	22.01	10.20	0.18	Average	LINE
12	13.4080	39.11	-20.89	60.00	28.73	10.20	0.18	QP	LINE

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	9.125M	15.517M	15M5G1D	7.55M	13.118M
802.11g_Nss1,(6Mbps)_2TX	16.35M	19.14M	19M1D1D	15.925M	16.417M
802.11n HT20_Nss1,(MCS0)_2TX	17.6M	19.915M	19M9D1D	17.175M	17.591M
802.11n HT40_Nss1,(MCS0)_2TX	35.3M	36.032M	36M0D1D	33.75M	35.882M
802.11n HT20-BF_Nss1,(MCS0)_2TX	17.4M	17.666M	17M7D1D	16.85M	17.616M
802.11n HT40-BF_Nss1,(MCS0)_2TX	35.55M	36.032M	36M0D1D	30.05M	35.932M

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

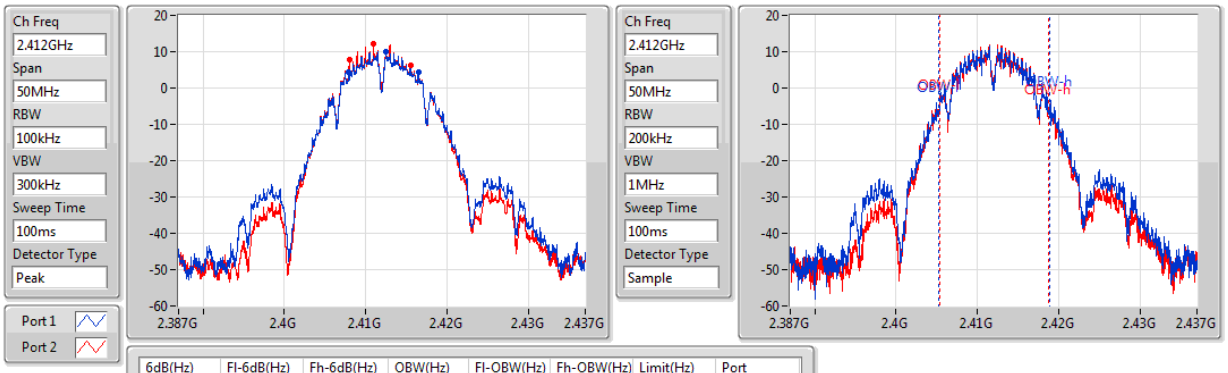
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.55M	13.643M	7.55M	13.468M
2437MHz	Pass	500k	9.125M	15.517M	9.1M	15.092M
2462MHz	Pass	500k	8.525M	13.518M	8.05M	13.118M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.3M	16.417M	16.3M	16.417M
2437MHz	Pass	500k	16.275M	19.14M	15.925M	17.566M
2462MHz	Pass	500k	16.325M	16.417M	16.35M	16.417M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.55M	17.616M	17.6M	17.591M
2437MHz	Pass	500k	17.55M	19.915M	17.175M	18.391M
2462MHz	Pass	500k	17.55M	17.591M	17.575M	17.591M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35M	35.982M	35.25M	35.932M
2437MHz	Pass	500k	33.85M	36.032M	35.25M	35.932M
2452MHz	Pass	500k	35.3M	35.882M	33.75M	35.932M
802.11n HT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.85M	17.616M	17.275M	17.616M
2437MHz	Pass	500k	17.4M	17.641M	17.375M	17.666M
2462MHz	Pass	500k	16.95M	17.616M	17.25M	17.616M
802.11n HT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	30.05M	35.932M	34.45M	36.032M
2437MHz	Pass	500k	35.55M	35.982M	33.9M	36.032M
2452MHz	Pass	500k	34.2M	35.932M	35.2M	35.932M

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

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

09/02/2018

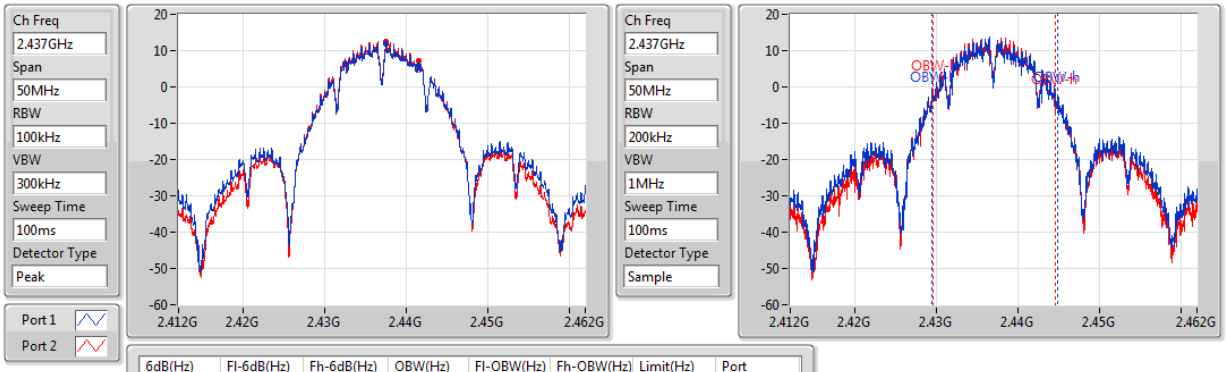


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.55M	2.40795G	2.4165G	13.643M	2.405278G	2.418922G	500k	1
7.55M	2.407975G	2.415525G	13.468M	2.405328G	2.418797G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

09/02/2018

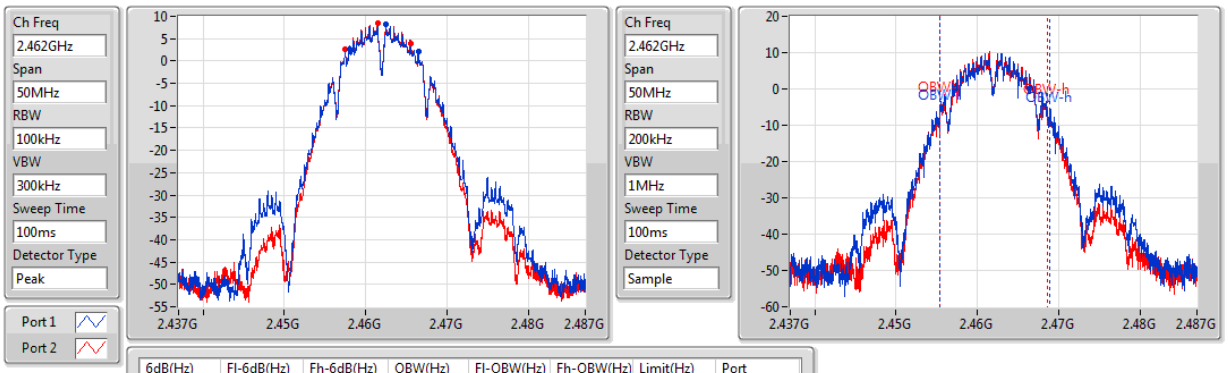


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.125M	2.432425G	2.44155G	15.517M	2.429379G	2.444896G	500k	1
9.1M	2.432425G	2.441525G	15.092M	2.429504G	2.444596G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

09/02/2018

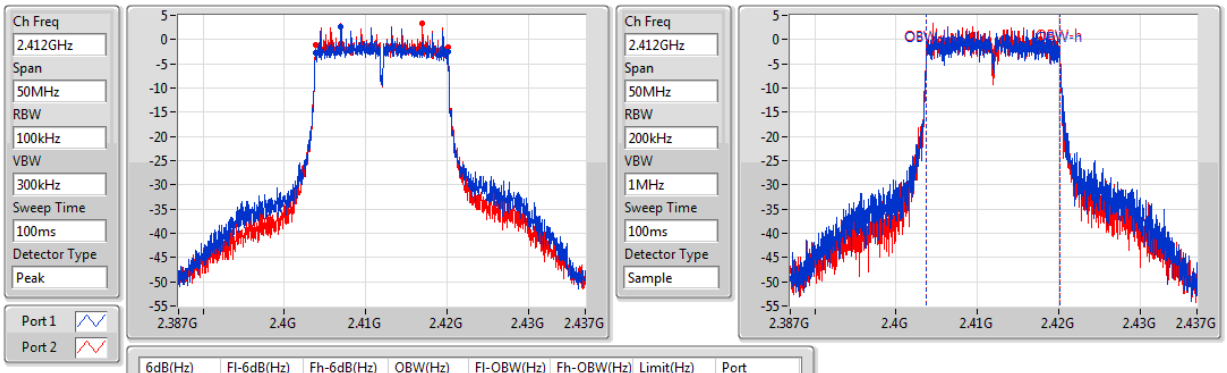


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.525M	2.457975G	2.4665G	13.518M	2.455328G	2.468847G	500k	1
8.05M	2.457475G	2.465525G	13.118M	2.455453G	2.468572G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

09/02/2018

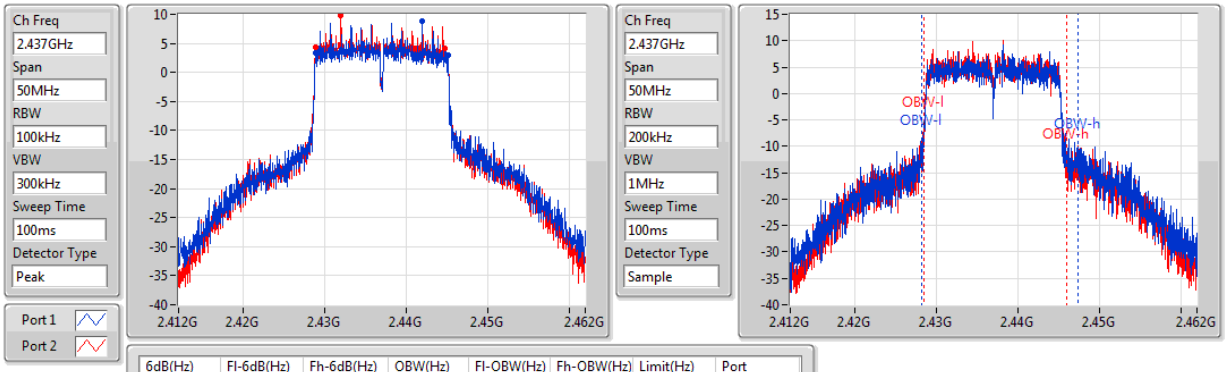


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.403825G	2.420125G	16.417M	2.403754G	2.420171G	500k	1
16.3M	2.403825G	2.420125G	16.417M	2.403754G	2.420171G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

09/02/2018

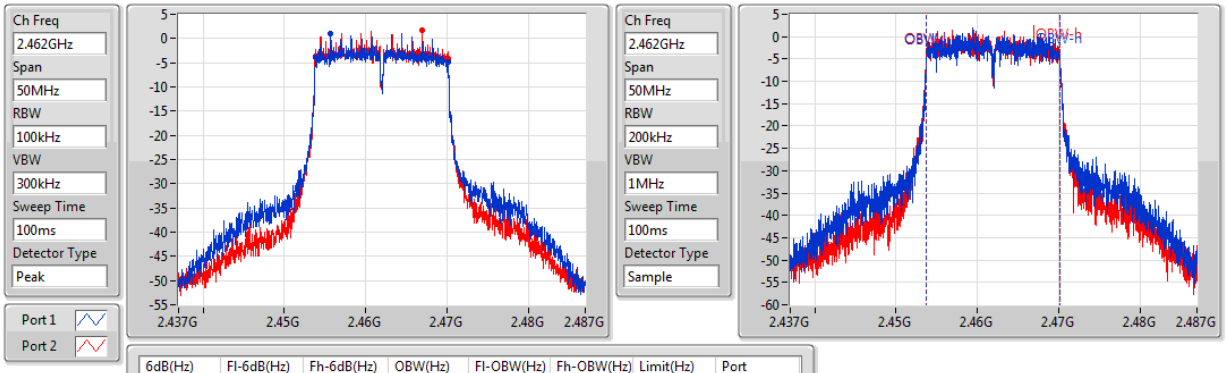


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	2.428825G	2.4451G	19.14M	2.428204G	2.447345G	500k	1
15.925M	2.428825G	2.44475G	17.566M	2.428429G	2.445996G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

09/02/2018



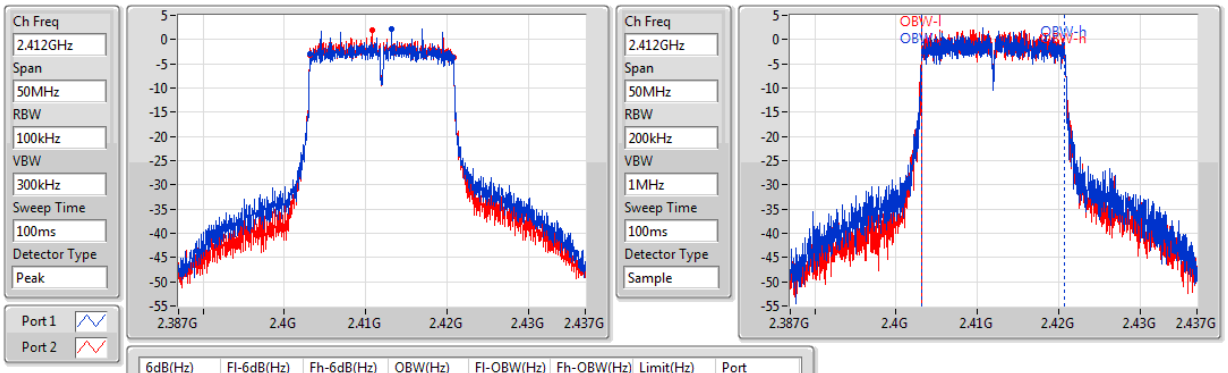
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.417M	2.453754G	2.470171G	500k	1
16.35M	2.4538G	2.47015G	16.417M	2.453754G	2.470171G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX

EBW

2412MHz

09/02/2018



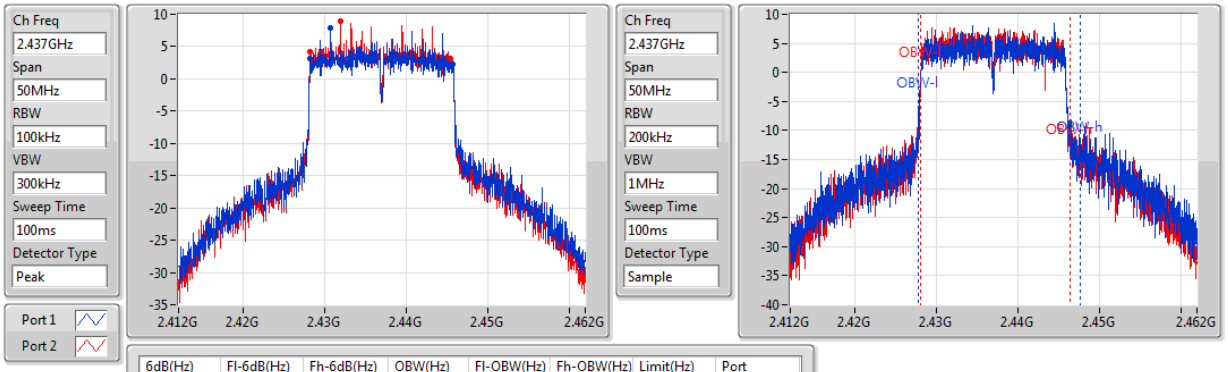
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.4032G	2.42075G	17.616M	2.403154G	2.420771G	500k	1
17.6M	2.403175G	2.420775G	17.591M	2.403179G	2.420771G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX

EBW

2437MHz

09/02/2018



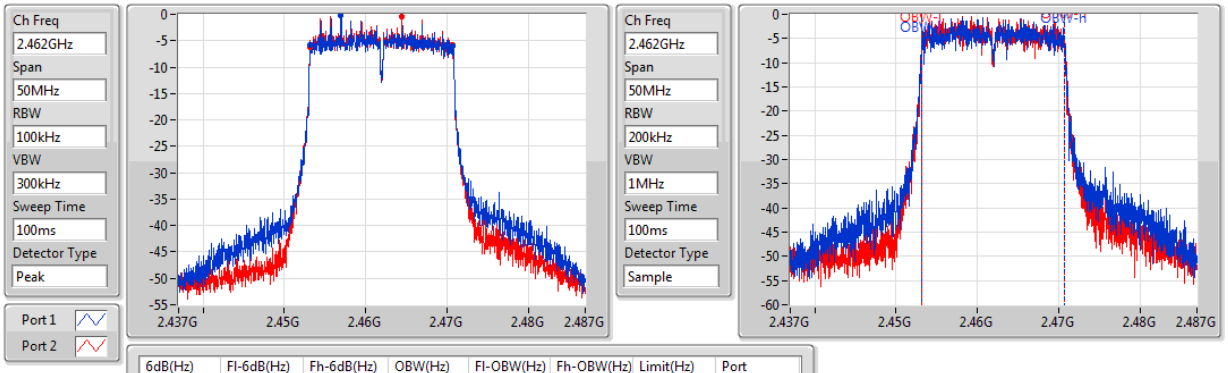
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.4282G	2.44575G	19.915M	2.42778G	2.447695G	500k	1
17.175M	2.428225G	2.4454G	18.391M	2.42798G	2.44637G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX

EBW

2462MHz

09/02/2018

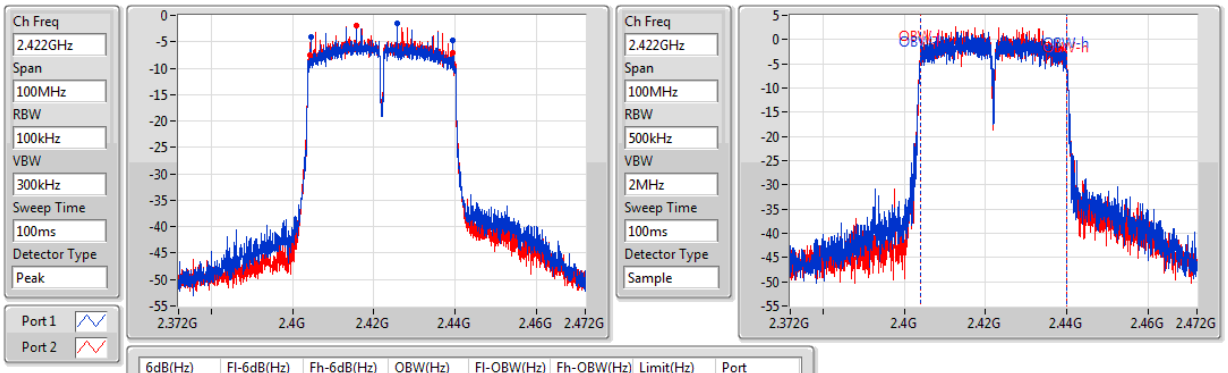


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.4532G	2.47075G	17.591M	2.453154G	2.470746G	500k	1
17.575M	2.453175G	2.47075G	17.591M	2.453154G	2.470746G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

2422MHz

09/02/2018

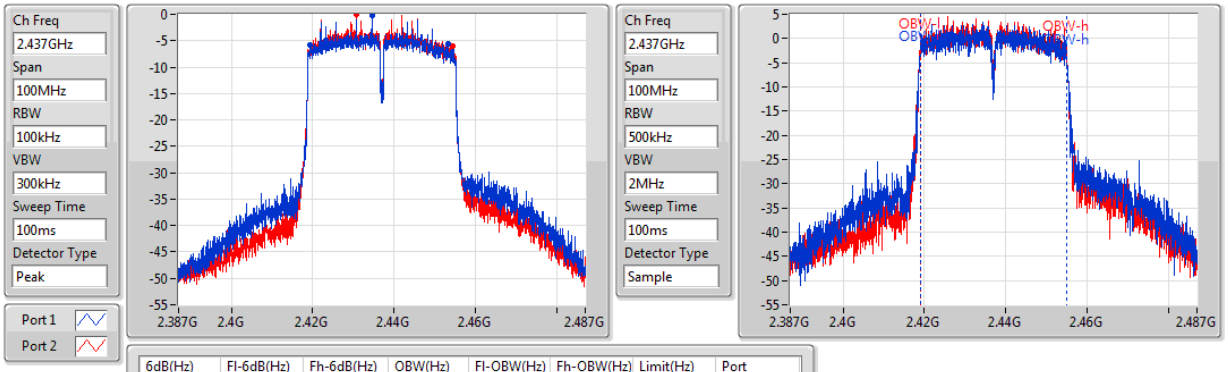


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35M	2.4045G	2.4395G	35.982M	2.403959G	2.439941G	500k	1
35.25M	2.40425G	2.4395G	35.932M	2.403959G	2.439891G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

2437MHz

09/02/2018

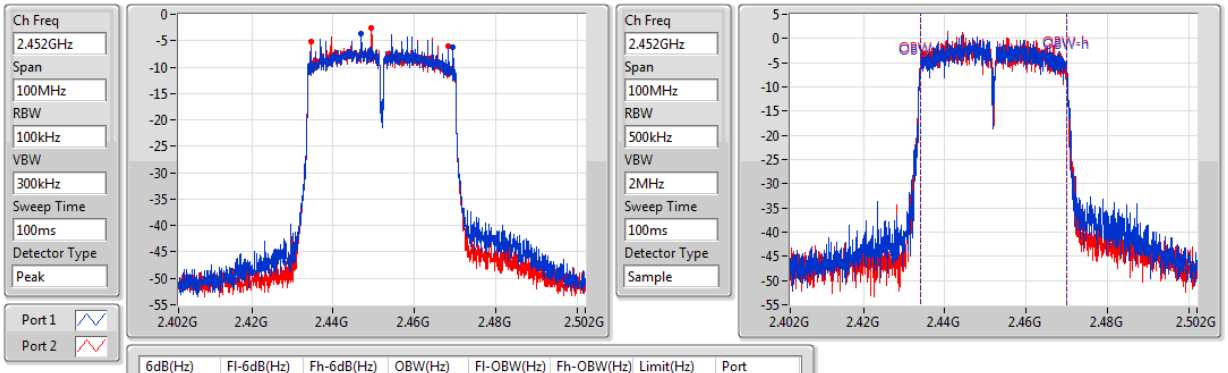


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.85M	2.41945G	2.4533G	36.032M	2.418909G	2.454941G	500k	1
35.25M	2.41925G	2.4545G	35.932M	2.418959G	2.454891G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

2452MHz

09/02/2018

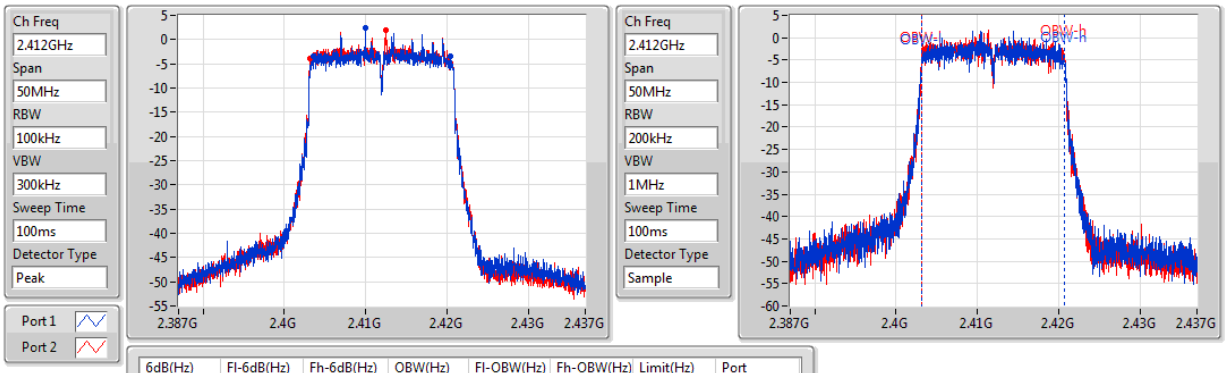


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.3M	2.4342G	2.4695G	35.882M	2.434009G	2.469891G	500k	1
33.75M	2.4345G	2.46825G	35.932M	2.433959G	2.469891G	500k	2

802.11n HT20-BF_Nss1,(MCS0)_2TX EBW

2412MHz

09/02/2018

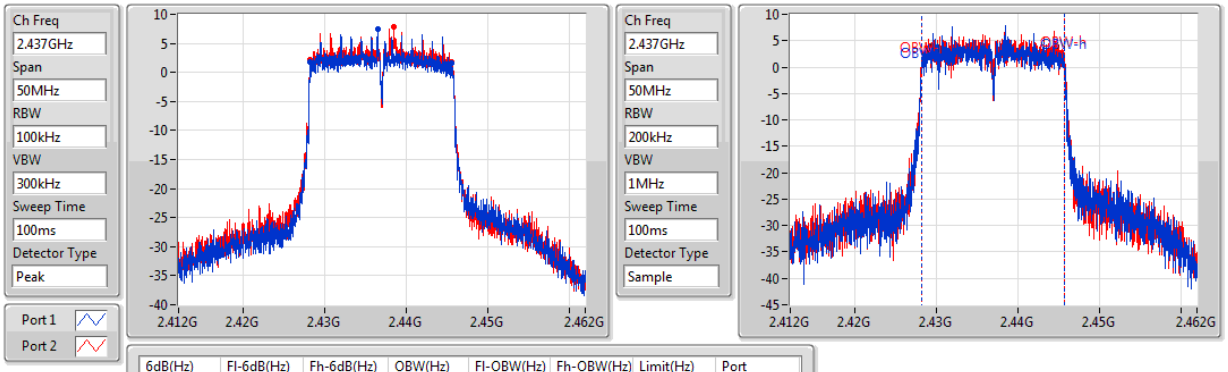


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.85M	2.403625G	2.420475G	17.616M	2.403129G	2.420746G	500k	1
17.275M	2.4032G	2.420475G	17.616M	2.403129G	2.420746G	500k	2

802.11n HT20-BF_Nss1,(MCS0)_2TX EBW

2437MHz

09/02/2018

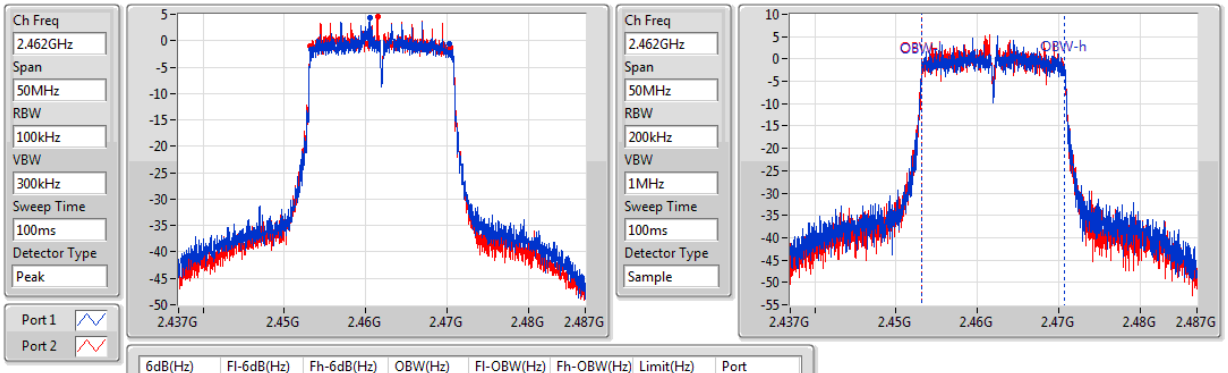


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.4M	2.4282G	2.4456G	17.641M	2.428129G	2.445771G	500k	1
17.375M	2.4282G	2.445575G	17.666M	2.428104G	2.445771G	500k	2

802.11n HT20-BF_Nss1,(MCS0)_2TX EBW

2462MHz

09/02/2018



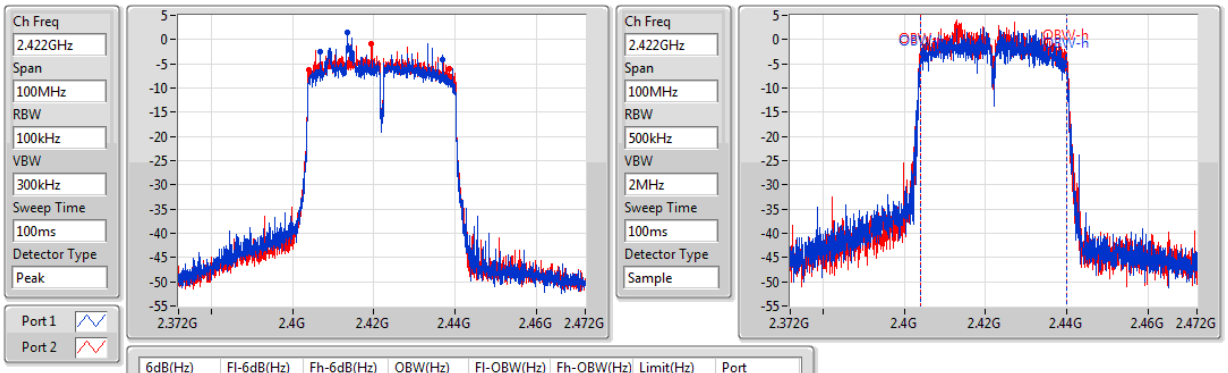
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.95M	2.45335G	2.4703G	17.616M	2.453129G	2.470746G	500k	1
17.25M	2.453225G	2.470475G	17.616M	2.453129G	2.470746G	500k	2

802.11n HT40-BF_Nss1,(MCS0)_2TX

EBW

2422MHz

09/02/2018



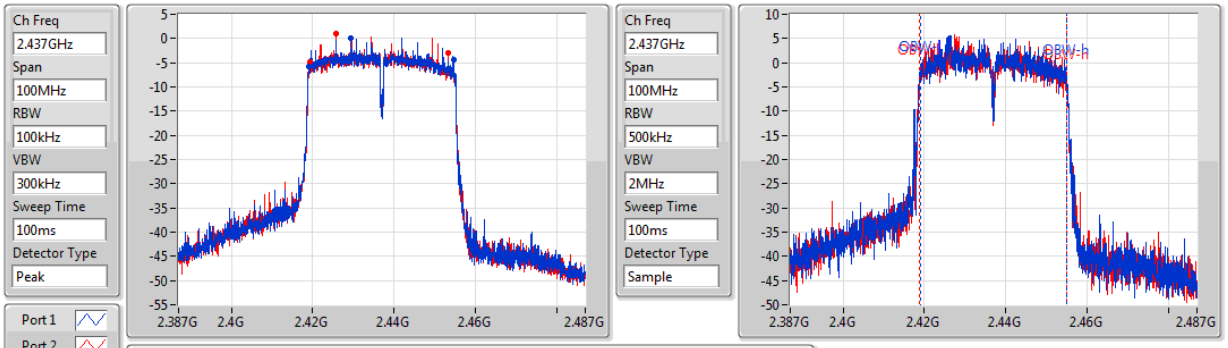
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.05M	2.40695G	2.437G	35.932M	2.403959G	2.439891G	500k	1
34.45M	2.40405G	2.4385G	36.032M	2.403909G	2.439941G	500k	2

802.11n HT40-BF_Nss1,(MCS0)_2TX

EBW

2437MHz

09/02/2018



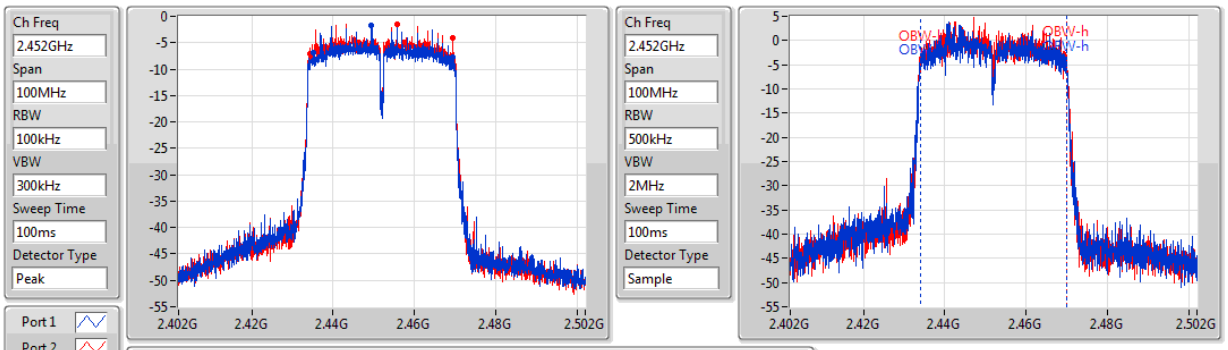
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.55M	2.419G	2.45455G	35.982M	2.418909G	2.454891G	500k	1
33.9M	2.41935G	2.45325G	36.032M	2.418859G	2.454891G	500k	2

802.11n HT40-BF_Nss1,(MCS0)_2TX

EBW

2452MHz

09/02/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.2M	2.43515G	2.46935G	35.932M	2.433959G	2.469891G	500k	1
35.2M	2.4343G	2.4695G	35.932M	2.433959G	2.469891G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	25.49	0.35400
802.11g_Nss1,(6Mbps)_2TX	23.37	0.21727
802.11n HT20_Nss1,(MCS0)_2TX	23.38	0.21777
802.11n HT40_Nss1,(MCS0)_2TX	17.81	0.06039
802.11n HT20-BF_Nss1,(MCS0)_2TX	21.51	0.14158
802.11n HT40-BF_Nss1,(MCS0)_2TX	18.07	0.06412

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.90	19.91	20.39	23.17	30.00
2417MHz	Pass	2.90	20.01	20.33	23.18	30.00
2422MHz	Pass	2.90	20.37	20.51	23.45	30.00
2427MHz	Pass	2.90	20.25	20.74	23.51	30.00
2432MHz	Pass	2.90	22.22	22.72	25.49	30.00
2437MHz	Pass	2.90	22.05	22.70	25.40	30.00
2442MHz	Pass	2.90	22.15	22.60	25.39	30.00
2447MHz	Pass	2.90	21.17	21.55	24.37	30.00
2452MHz	Pass	2.90	21.30	21.46	24.39	30.00
2457MHz	Pass	2.90	20.75	21.13	23.95	30.00
2462MHz	Pass	2.90	18.32	18.60	21.47	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.90	14.53	14.96	17.76	30.00
2417MHz	Pass	2.90	16.52	16.84	19.69	30.00
2422MHz	Pass	2.90	17.60	18.19	20.92	30.00
2427MHz	Pass	2.90	18.89	19.55	22.24	30.00
2432MHz	Pass	2.90	20.11	20.60	23.37	30.00
2437MHz	Pass	2.90	20.02	20.55	23.30	30.00
2442MHz	Pass	2.90	19.38	19.68	22.54	30.00
2447MHz	Pass	2.90	18.78	18.96	21.88	30.00
2452MHz	Pass	2.90	17.03	17.52	20.29	30.00
2457MHz	Pass	2.90	15.28	15.72	18.52	30.00
2462MHz	Pass	2.90	12.74	13.84	16.34	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.90	14.61	15.02	17.83	30.00
2417MHz	Pass	2.90	16.58	16.95	19.78	30.00
2422MHz	Pass	2.90	17.72	18.31	21.04	30.00
2427MHz	Pass	2.90	18.56	19.16	21.88	30.00
2432MHz	Pass	2.90	19.77	20.11	22.95	30.00
2437MHz	Pass	2.90	20.03	20.68	23.38	30.00
2442MHz	Pass	2.90	18.80	19.30	22.07	30.00
2447MHz	Pass	2.90	18.46	18.80	21.64	30.00
2452MHz	Pass	2.90	16.31	16.64	19.49	30.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
2457MHz	Pass	2.90	15.33	15.81	18.59	30.00
2462MHz	Pass	2.90	12.13	12.04	15.10	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.90	13.18	13.62	16.42	30.00
2427MHz	Pass	2.90	13.75	14.14	16.96	30.00
2432MHz	Pass	2.90	14.22	14.58	17.41	30.00
2437MHz	Pass	2.90	14.56	15.03	17.81	30.00
2442MHz	Pass	2.90	12.71	13.02	15.88	30.00
2447MHz	Pass	2.90	11.67	11.89	14.79	30.00
2452MHz	Pass	2.90	11.79	11.81	14.81	30.00
802.11n HT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.91	12.61	12.94	15.79	30.00
2417MHz	Pass	5.91	15.68	16.16	18.94	30.00
2422MHz	Pass	5.91	15.57	16.15	18.88	30.00
2427MHz	Pass	5.91	17.61	18.09	20.87	30.00
2432MHz	Pass	5.91	18.31	18.68	21.51	30.00
2437MHz	Pass	5.91	18.16	18.43	21.31	30.00
2447MHz	Pass	5.91	18.26	18.57	21.43	30.00
2452MHz	Pass	5.91	18.25	18.49	21.38	30.00
2457MHz	Pass	5.91	16.29	16.78	19.55	30.00
2462MHz	Pass	5.91	15.52	15.83	18.69	30.00
802.11n HT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.91	12.82	13.63	16.25	30.00
2427MHz	Pass	5.91	11.73	11.97	14.86	30.00
2432MHz	Pass	5.91	12.79	13.45	16.14	30.00
2437MHz	Pass	5.91	14.81	15.29	18.07	30.00
2442MHz	Pass	5.91	14.73	15.18	17.97	30.00
2447MHz	Pass	5.91	13.73	13.82	16.79	30.00
2452MHz	Pass	5.91	12.748	13.71	16.27	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-4.08
802.11g_Nss1,(6Mbps)_2TX	-6.08
802.11n HT20_Nss1,(MCS0)_2TX	-5.18
802.11n HT40_Nss1,(MCS0)_2TX	-12.33
802.11n HT20-BF_Nss1,(MCS0)_2TX	-4.84
802.11n HT40-BF_Nss1,(MCS0)_2TX	-8.48

RBW=3kHz.

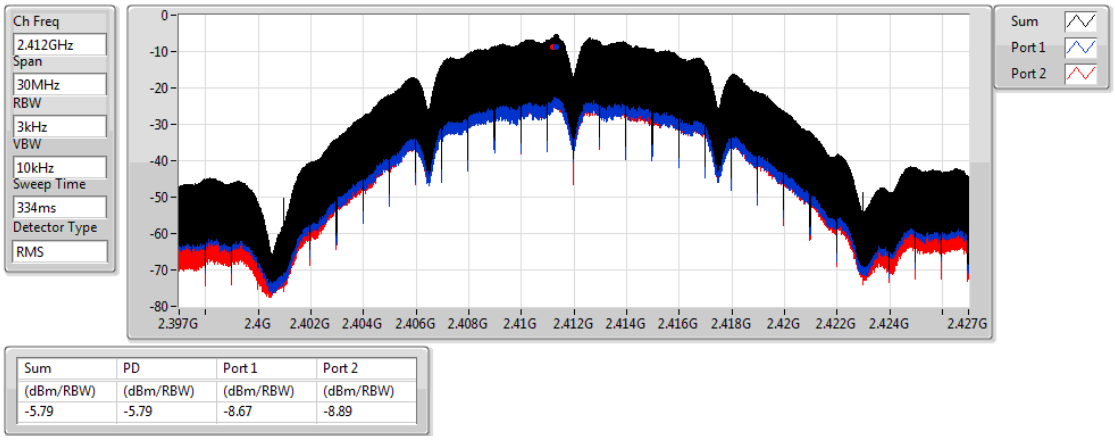
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.91	-8.67	-8.89	-5.79	8.00
2437MHz	Pass	5.91	-7.38	-6.02	-4.08	8.00
2462MHz	Pass	5.91	-10.34	-10.73	-7.86	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.91	-13.85	-13.34	-11.36	8.00
2437MHz	Pass	5.91	-8.40	-7.77	-6.08	8.00
2462MHz	Pass	5.91	-15.24	-13.83	-12.91	8.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.91	-14.05	-13.02	-11.19	8.00
2437MHz	Pass	5.91	-8.47	-6.22	-5.18	8.00
2462MHz	Pass	5.91	-16.53	-16.28	-13.56	8.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.91	-16.15	-16.28	-13.88	8.00
2437MHz	Pass	5.91	-14.97	-14.58	-12.33	8.00
2452MHz	Pass	5.91	-17.90	-19.23	-15.77	8.00
802.11n HT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.91	-12.57	-13.26	-11.49	8.00
2437MHz	Pass	5.91	-6.05	-6.26	-4.84	8.00
2462MHz	Pass	5.91	-9.93	-10.84	-8.76	8.00
802.11n HT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.91	-13.82	-14.32	-12.93	8.00
2437MHz	Pass	5.91	-11.30	-10.79	-10.29	8.00
2452MHz	Pass	5.91	-15.89	-8.73	-8.48	8.00

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;

802.11b_Nss1,(1Mbps)_2TX PSD

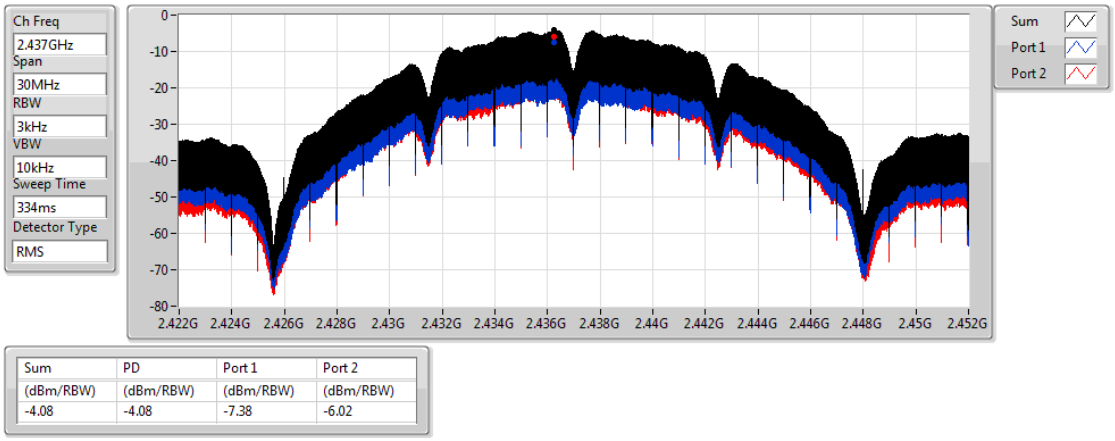
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.79	-5.79	-8.67	-8.89

802.11b_Nss1,(1Mbps)_2TX PSD

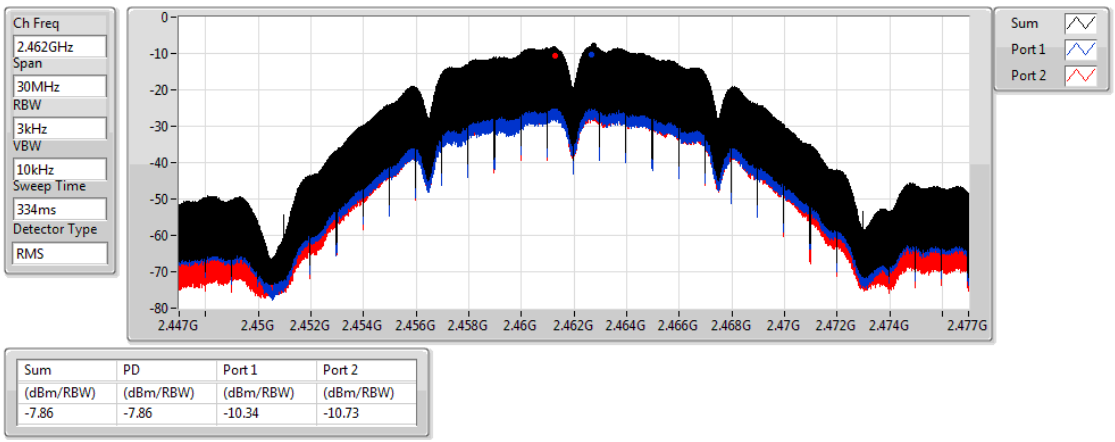
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.08	-4.08	-7.38	-6.02

802.11b_Nss1,(1Mbps)_2TX PSD

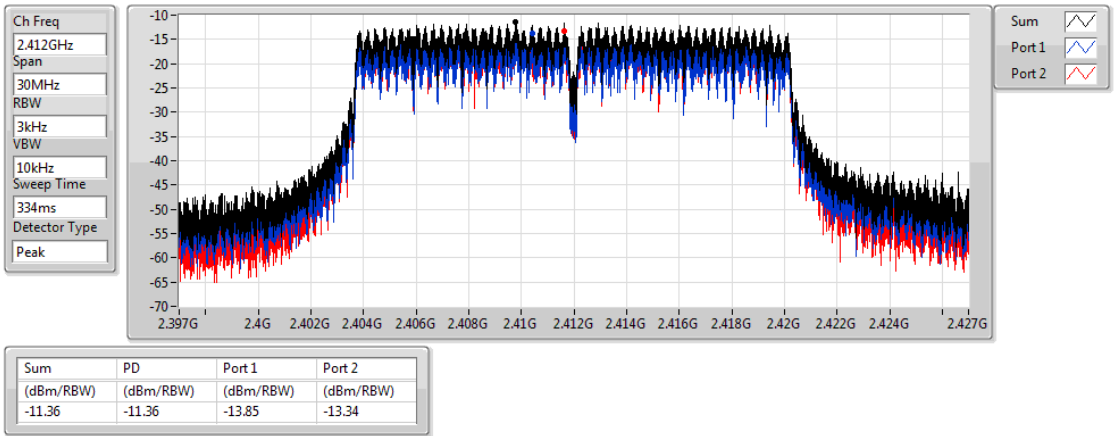
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.86	-7.86	-10.34	-10.73

802.11g_Nss1,(6Mbps)_2TX PSD

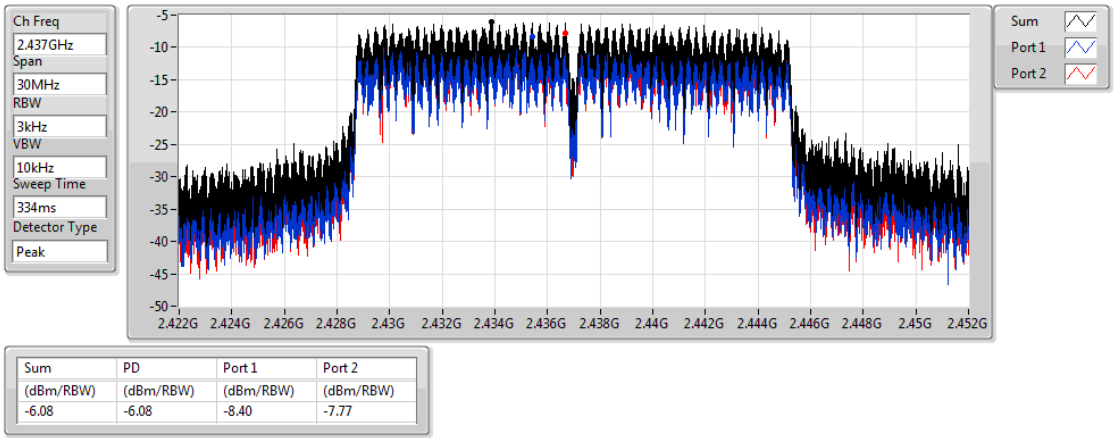
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.36	-11.36	-13.85	-13.34

802.11g_Nss1,(6Mbps)_2TX PSD

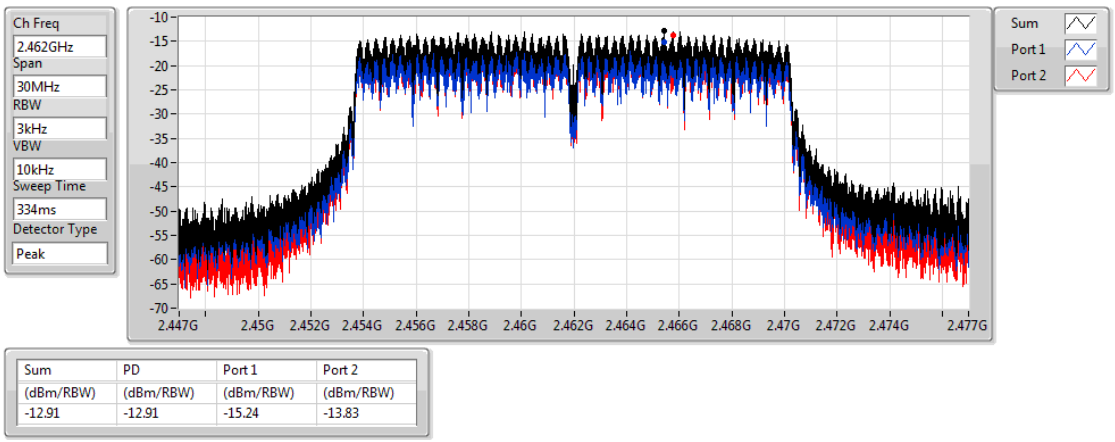
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.08	-6.08	-8.40	-7.77

802.11g_Nss1,(6Mbps)_2TX PSD

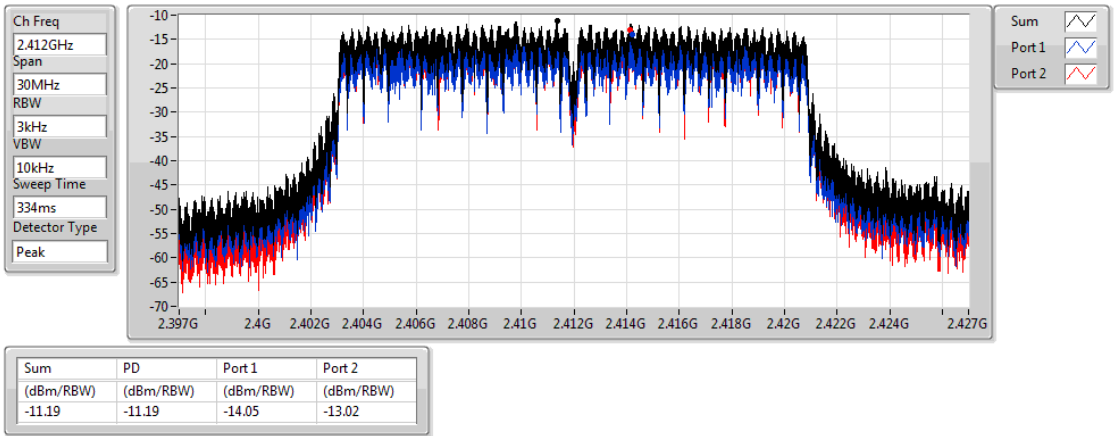
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.91	-12.91	-15.24	-13.83

802.11n HT20_Nss1,(MCS0)_2TX PSD

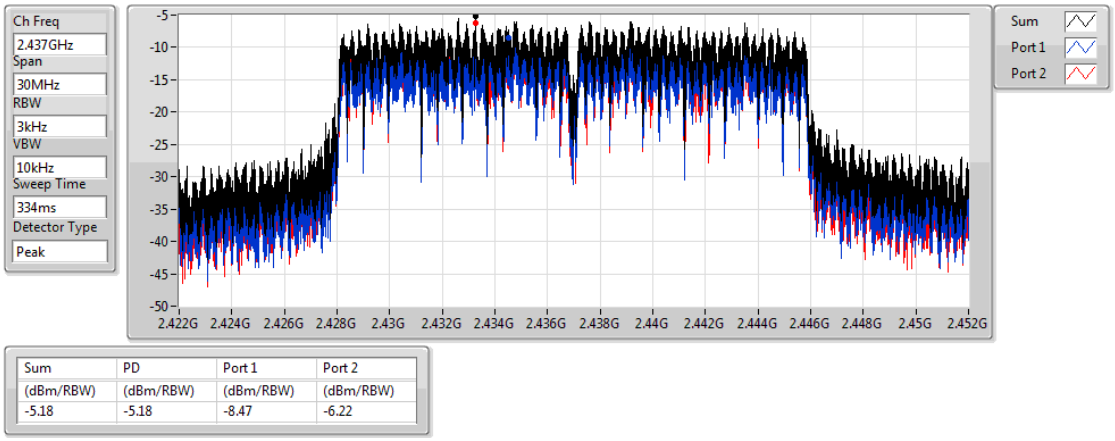
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.19	-11.19	-14.05	-13.02

802.11n HT20_Nss1,(MCS0)_2TX PSD

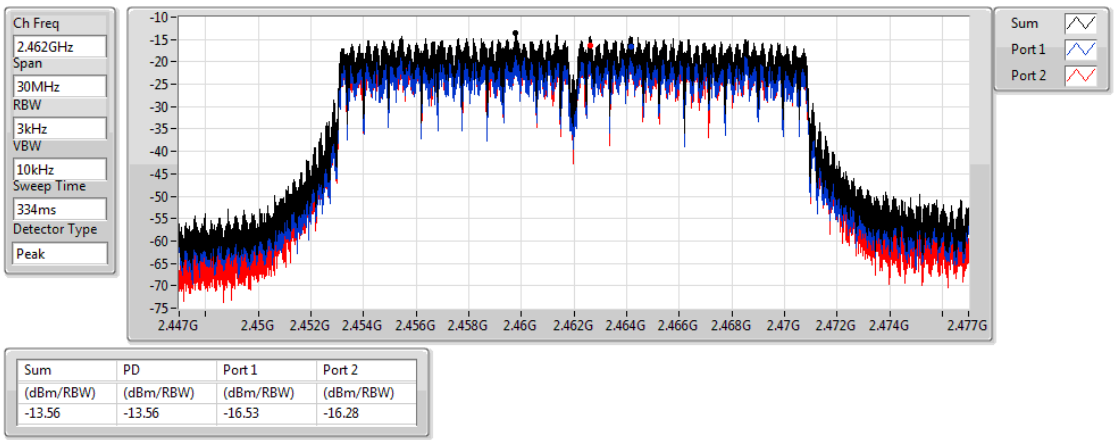
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.18	-5.18	-8.47	-6.22

802.11n HT20_Nss1,(MCS0)_2TX PSD

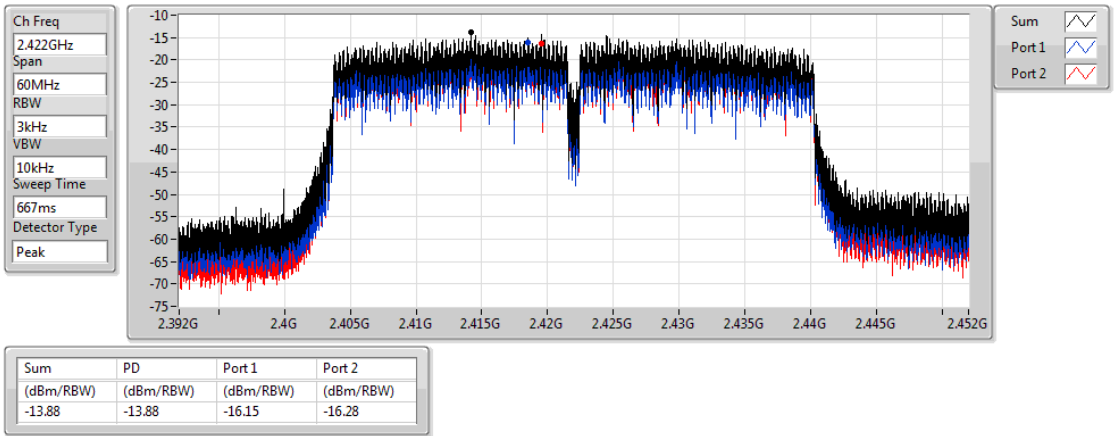
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.56	-13.56	-16.53	-16.28

802.11n HT40_Nss1,(MCS0)_2TX **PSD**

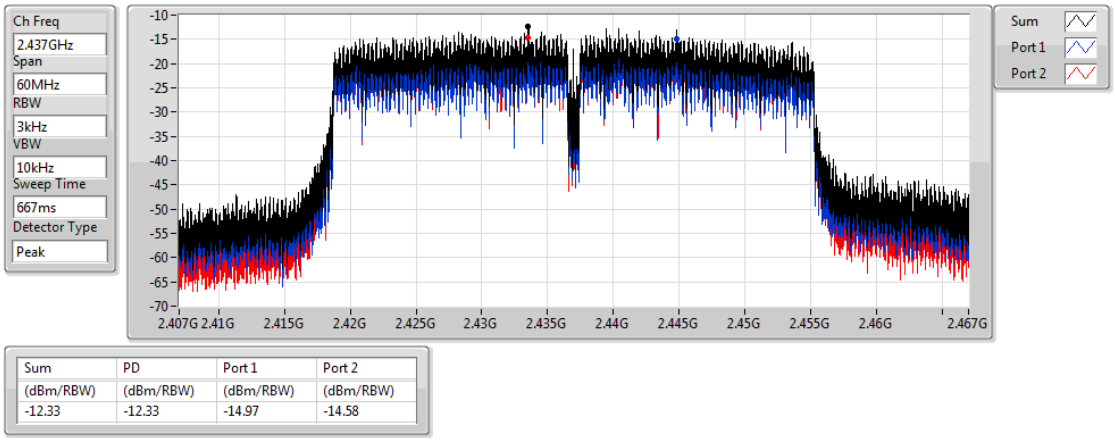
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.88	-13.88	-16.15	-16.28

802.11n HT40_Nss1,(MCS0)_2TX **PSD**

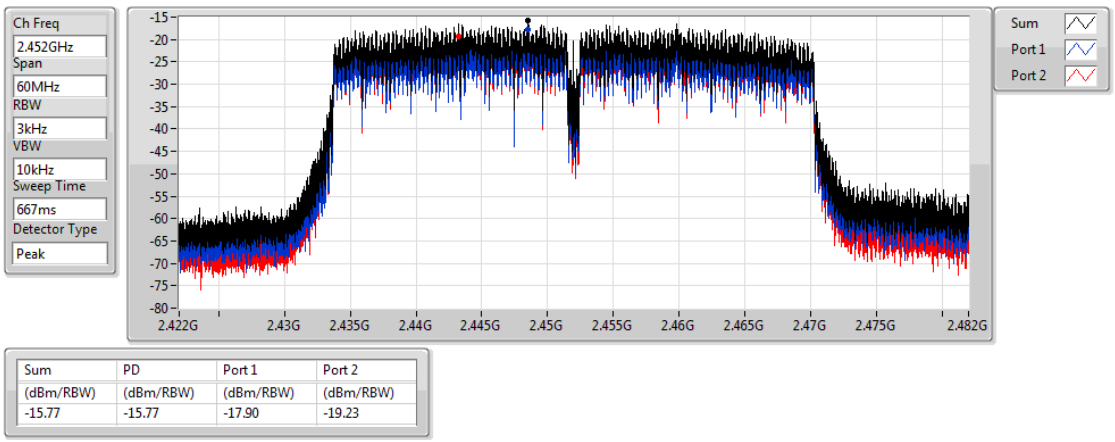
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.33	-12.33	-14.97	-14.58

802.11n HT40_Nss1,(MCS0)_2TX **PSD**

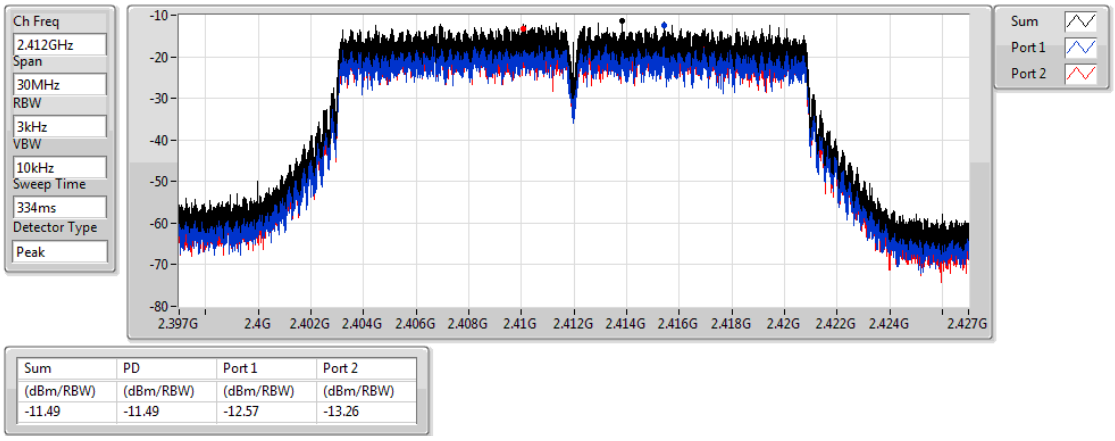
2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.77	-15.77	-17.90	-19.23

802.11n HT20-BF_Nss1,(MCS0)_2TX PSD

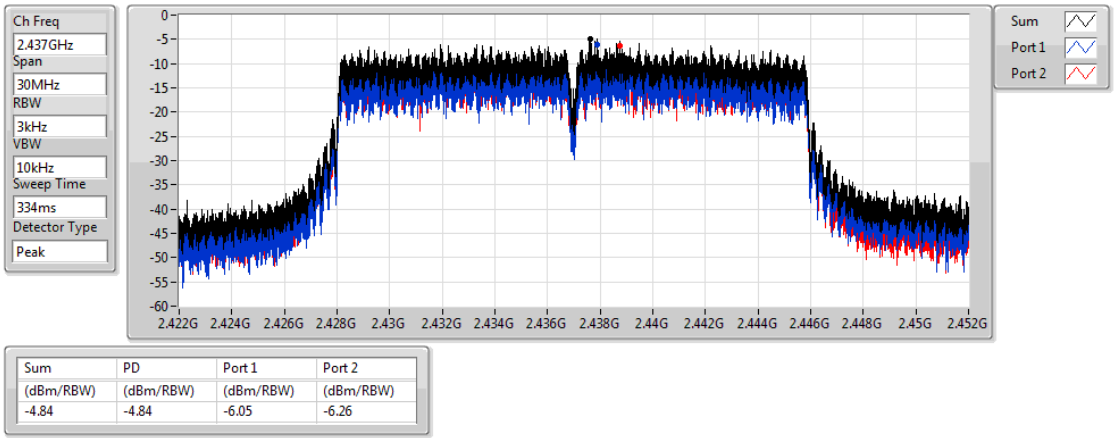
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.49	-11.49	-12.57	-13.26

802.11n HT20-BF_Nss1,(MCS0)_2TX PSD

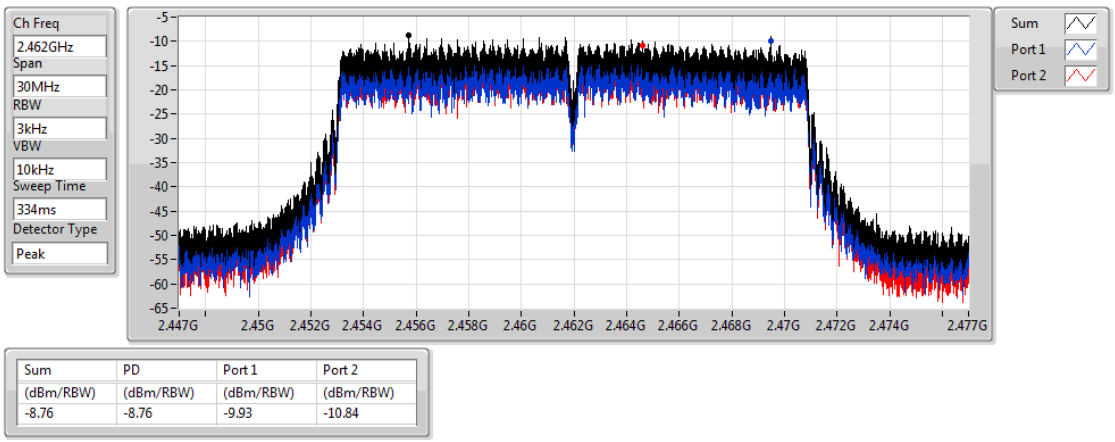
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.84	-4.84	-6.05	-6.26

802.11n HT20-BF_Nss1,(MCS0)_2TX PSD

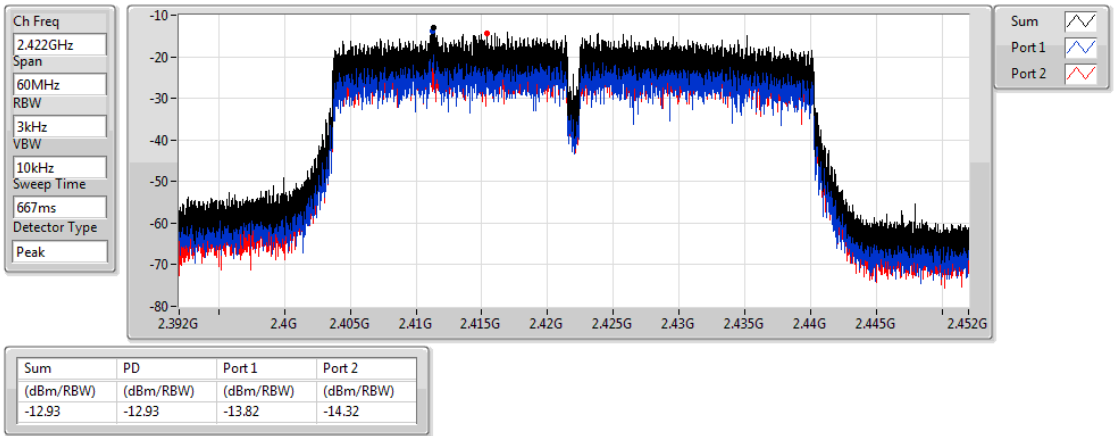
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.76	-8.76	-9.93	-10.84

802.11n HT40-BF_Nss1,(MCS0)_2TX PSD

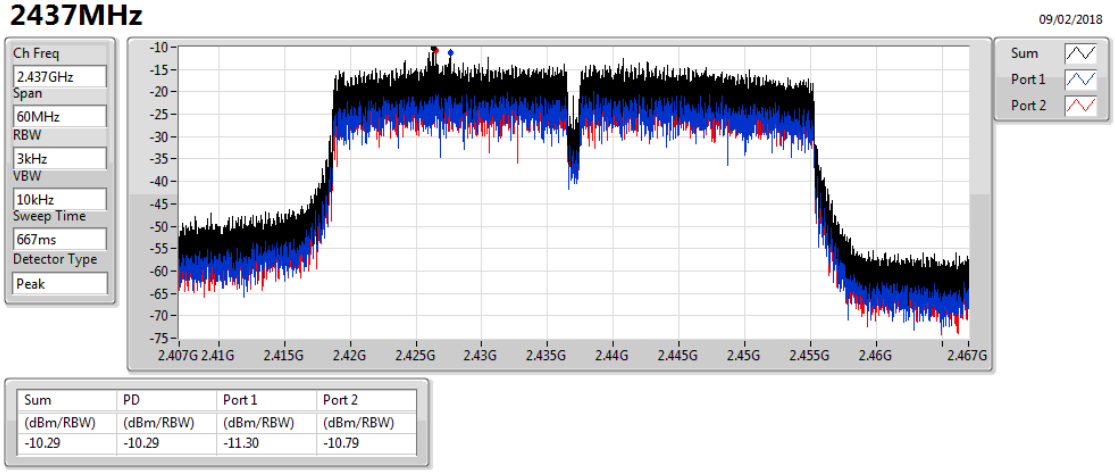
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.93	-12.93	-13.82	-14.32

802.11n HT40-BF_Nss1,(MCS0)_2TX PSD

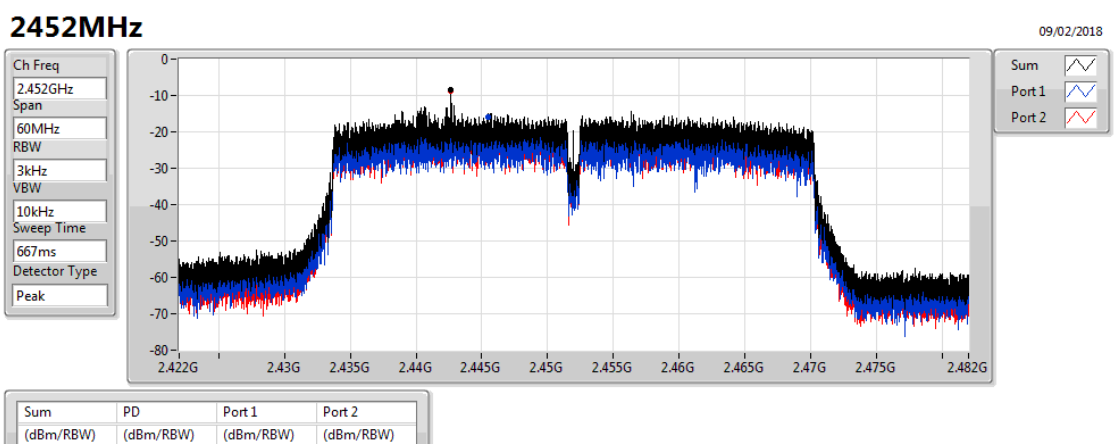
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.29	-10.29	-11.30	-10.79

802.11n HT40-BF_Nss1,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.48	-8.48	-15.89	-8.73

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	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.437408G	12.42	-17.58	1.89167G	-59.67	2.39848G	-26.81	2.49598G	-57.78	7.235136G	-38.43	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.431897G	9.67	-20.33	2.30408G	-55.49	2.3992G	-31.64	2.49598G	-54.63	7.232327G	-47.16	1
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.438243G	8.72	-21.28	2.30408G	-55.54	2.39952G	-30.66	2.49598G	-53.77	7.235136G	-48.59	1
802.11n HT40_Nss1,(MCS0)_2TX	Pass	2.429392G	0.15	-29.85	2.305115G	-56.30	2.39776G	-38.73	2.55998G	-54.18	7.249924G	-51.54	1
802.11n HT20-BF_Nss1,(MCS0)_2TX	Pass	2.441917G	6.79	-23.21	2.30408G	-56.58	2.39992G	-52.10	2.48446G	-40.19	24.387515G	-52.82	1
802.11n HT40-BF_Nss1,(MCS0)_2TX	Pass	2.431396G	1.04	-28.96	2.30397G	-56.28	2.39952G	-34.20	2.48398G	-49.58	24.357755G	-53.93	1

Result

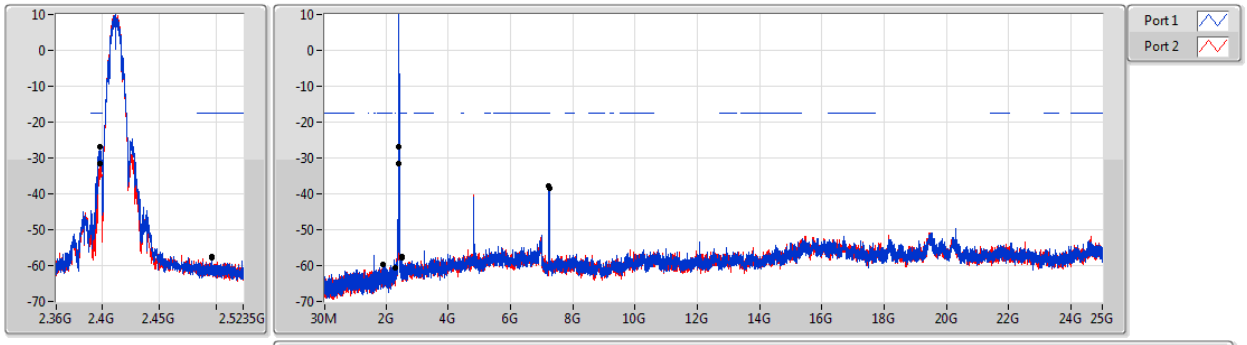
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.437408G	12.42	-17.58	1.89167G	-59.67	2.39848G	-26.81	2.49598G	-57.78	7.235136G	-38.43	1
2412MHz	Pass	2.437408G	12.42	-17.58	2.307575G	-60.48	2.39848G	-31.48	2.49598G	-57.48	7.232327G	-37.75	2
2437MHz	Pass	2.437408G	12.42	-17.58	1.624885G	-56.69	2.39752G	-46.36	2.48542G	-49.62	16.680885G	-52.20	1
2437MHz	Pass	2.437408G	12.42	-17.58	2.307575G	-59.51	2.39696G	-45.87	2.48542G	-51.32	16.613456G	-52.16	2
2462MHz	Pass	2.437408G	12.42	-17.58	1.641195G	-58.46	2.39992G	-57.56	2.48846G	-48.60	17.335514G	-51.91	1
2462MHz	Pass	2.437408G	12.42	-17.58	1.869535G	-60.35	2.39184G	-56.97	2.48742G	-51.23	16.742696G	-51.37	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.431897G	9.67	-20.33	2.30408G	-55.49	2.3992G	-31.64	2.49598G	-54.63	7.232327G	-47.16	1
2412MHz	Pass	2.431897G	9.67	-20.33	2.30641G	-58.19	2.39912G	-34.54	2.49598G	-55.51	7.237946G	-46.03	2
2437MHz	Pass	2.431897G	9.67	-20.33	2.30408G	-55.96	2.39976G	-38.59	2.48566G	-45.27	16.383072G	-51.82	1
2437MHz	Pass	2.431897G	9.67	-20.33	2.30408G	-58.24	2.3976G	-41.41	2.48566G	-45.63	16.290356G	-52.23	2
2462MHz	Pass	2.431897G	9.67	-20.33	2.30408G	-59.12	2.39992G	-52.97	2.48358G	-43.50	16.669647G	-51.73	1
2462MHz	Pass	2.431897G	9.67	-20.33	2.067585G	-59.72	2.3928G	-56.60	2.48398G	-49.21	16.411167G	-52.26	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.438243G	8.72	-21.28	2.30408G	-55.54	2.39952G	-30.66	2.49598G	-53.77	7.235136G	-48.59	1
2412MHz	Pass	2.438243G	8.72	-21.28	2.30408G	-58.41	2.39952G	-34.42	2.49598G	-56.81	7.223898G	-47.25	2
2437MHz	Pass	2.438243G	8.72	-21.28	2.30408G	-55.07	2.39952G	-35.36	2.48478G	-42.49	16.383072G	-52.46	1
2437MHz	Pass	2.438243G	8.72	-21.28	2.30408G	-58.09	2.39952G	-41.46	2.48446G	-43.64	24.592613G	-51.78	2
2462MHz	Pass	2.438243G	8.72	-21.28	2.30408G	-57.72	2.39768G	-56.36	2.48382G	-43.74	16.399929G	-52.15	1
2462MHz	Pass	2.438243G	8.72	-21.28	2.167775G	-59.99	2.39936G	-56.60	2.48382G	-49.57	16.739886G	-52.13	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.429392G	0.15	-29.85	2.305115G	-56.30	2.39776G	-38.73	2.55998G	-54.18	7.249924G	-51.54	1
2422MHz	Pass	2.429392G	0.15	-29.85	2.305115G	-59.36	2.39984G	-41.80	2.49598G	-55.14	16.678863G	-51.88	2
2437MHz	Pass	2.429392G	0.15	-29.85	2.305115G	-58.77	2.3992G	-39.60	2.48414G	-44.18	16.404016G	-51.54	1
2437MHz	Pass	2.429392G	0.15	-29.85	2.30626G	-58.61	2.39984G	-44.21	2.48446G	-45.93	16.712518G	-52.74	2
2452MHz	Pass	2.429392G	0.15	-29.85	2.305115G	-58.46	2.3992G	-53.78	2.4843G	-40.31	16.712518G	-51.87	1
2452MHz	Pass	2.429392G	0.15	-29.85	2.30397G	-59.61	2.39904G	-53.89	2.48414G	-45.84	16.743368G	-52.06	2
802.11n HT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.441917G	6.79	-23.21	2.30408G	-56.57	2.39944G	-41.60	2.49598G	-56.10	24.362229G	-53.83	1
2412MHz	Pass	2.441917G	6.79	-23.21	2.30408G	-57.25	2.39968G	-40.31	2.49598G	-56.10	6.962609G	-53.33	2
2437MHz	Pass	2.441917G	6.79	-23.21	2.30408G	-57.47	2.39824G	-41.27	2.48374G	-49.65	24.047558G	-52.66	1
2437MHz	Pass	2.441917G	6.79	-23.21	2.30874G	-58.16	2.3992G	-41.26	2.48526G	-50.37	24.047558G	-53.97	2
2462MHz	Pass	2.441917G	6.79	-23.21	2.30408G	-56.58	2.39992G	-52.10	2.48446G	-40.19	24.387515G	-52.82	1
2462MHz	Pass	2.441917G	6.79	-23.21	860.645M	-58.34	2.39824G	-53.30	2.48358G	-42.95	24.797712G	-53.79	2
802.11n HT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.431396G	1.04	-28.96	944.855M	-58.40	2.39584G	-37.30	2.56014G	-54.54	24.312882G	-53.03	1

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
2422MHz	Pass	2.431396G	1.04	-28.96	2.30855G	-59.14	2.39712G	-38.22	2.49582G	-55.39	6.997513G	-52.90	2
2437MHz	Pass	2.431396G	1.04	-28.96	2.30397G	-56.28	2.39952G	-34.20	2.48398G	-49.58	24.357755G	-53.93	1
2437MHz	Pass	2.431396G	1.04	-28.96	2.305115G	-55.96	2.39984G	-40.23	2.48366G	-50.84	6.918986G	-54.08	2
2452MHz	Pass	2.431396G	1.04	-28.96	909.36M	-59.06	2.39792G	-52.21	2.48638G	-45.98	23.443468G	-53.41	1
2452MHz	Pass	2.431396G	1.04	-28.96	870.43M	-59.37	2.39808G	-48.78	2.48366G	-46.73	6.980686G	-53.26	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

2412MHz

09/02/2018

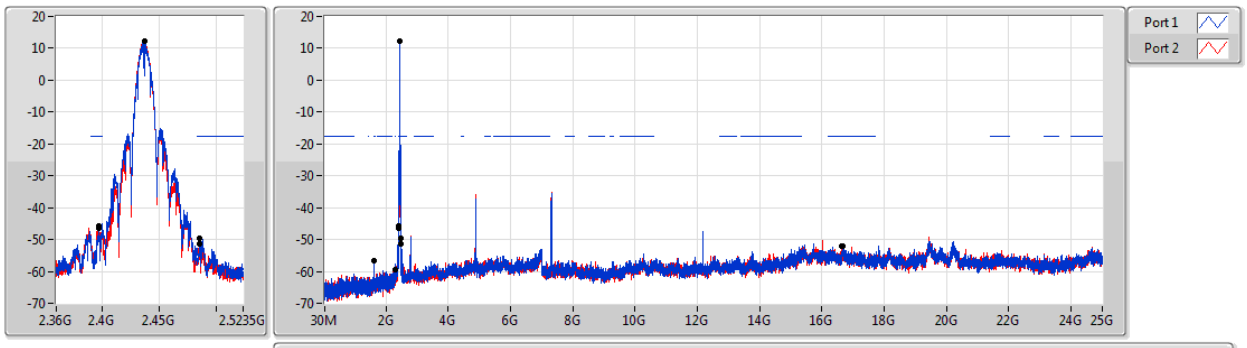


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437408G	12.42	-17.58	1.89167G	-59.67	2.39848G	-26.81	2.49598G	-57.78	7.235136G	-38.43	1
2.437408G	12.42	-17.58	2.307575G	-60.48	2.39848G	-31.48	2.49598G	-57.48	7.232327G	-37.75	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

2437MHz

09/02/2018

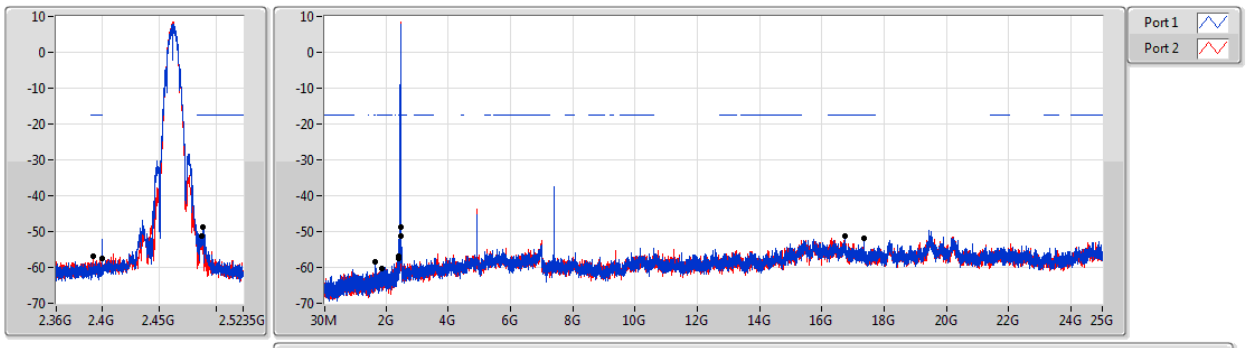


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437408G	12.42	-17.58	1.624885G	-56.69	2.39752G	-46.36	2.48542G	-49.62	16.680885G	-52.20	1
2.437408G	12.42	-17.58	2.307575G	-59.51	2.39696G	-45.87	2.48542G	-51.32	16.613456G	-52.16	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

2462MHz

09/02/2018

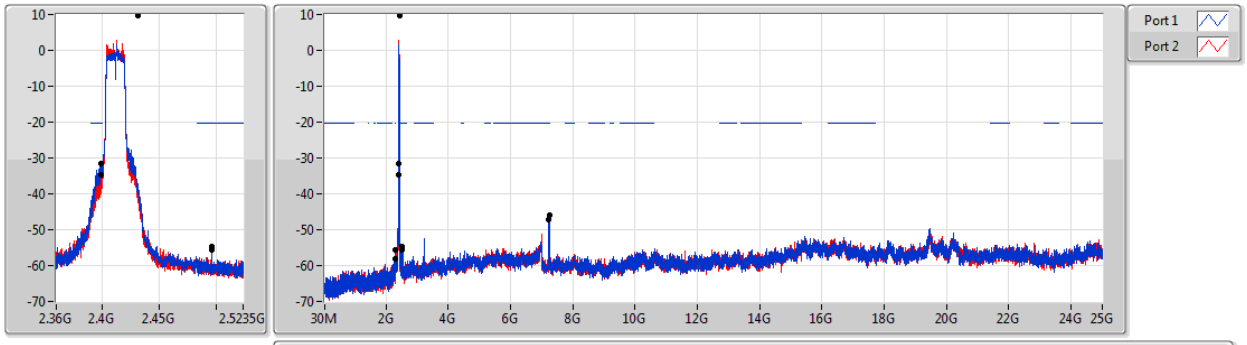


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437408G	12.42	-17.58	1.641195G	-58.46	2.39992G	-57.56	2.48846G	-48.60	17.335514G	-51.91	1
2.437408G	12.42	-17.58	1.869535G	-60.35	2.39184G	-56.97	2.48742G	-51.23	16.742696G	-51.37	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

2412MHz

09/02/2018

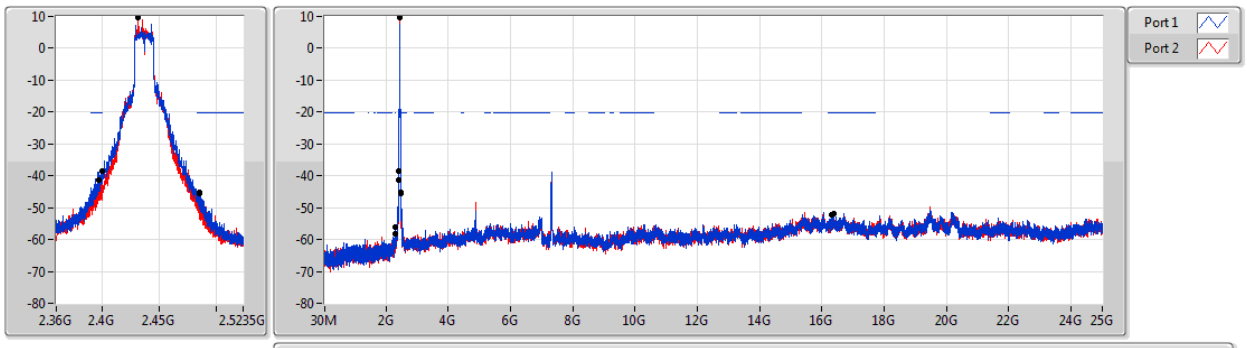


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.431897G	9.67	-20.33	2.30408G	-55.49	2.3992G	-31.64	2.49598G	-54.63	7.232327G	-47.16	1
2.431897G	9.67	-20.33	2.30641G	-58.19	2.39912G	-34.54	2.49598G	-55.51	7.237946G	-46.03	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

2437MHz

09/02/2018

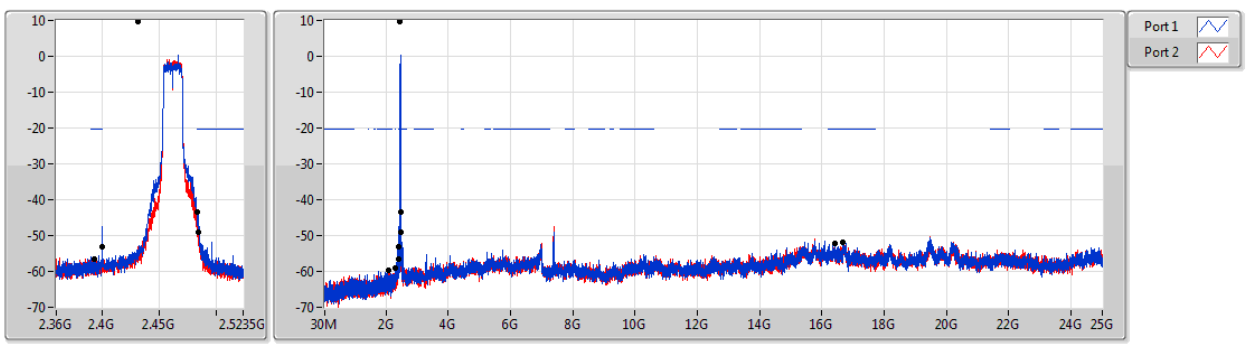


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.431897G	9.67	-20.33	2.30408G	-55.96	2.39976G	-38.59	2.48566G	-45.27	16.383072G	-51.82	1
2.431897G	9.67	-20.33	2.30408G	-58.24	2.3976G	-41.41	2.48566G	-45.63	16.290356G	-52.23	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

2462MHz

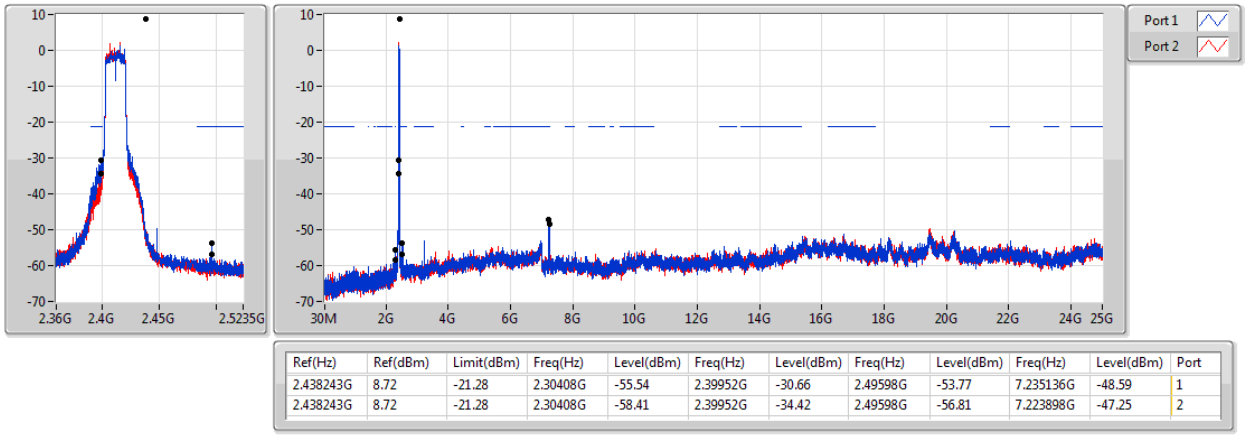
09/02/2018



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	9.67	-20.33	2.30408G	-59.12	2.39992G	-52.97	2.48358G	-43.50	16.669647G	-51.73	1
2.431897G	9.67	-20.33	2.067585G	-59.72	2.3928G	-56.60	2.48398G	-49.21	16.411167G	-52.26	2

802.11n HT20_Nss1,(MCS0)_2TX **CSE NdB**

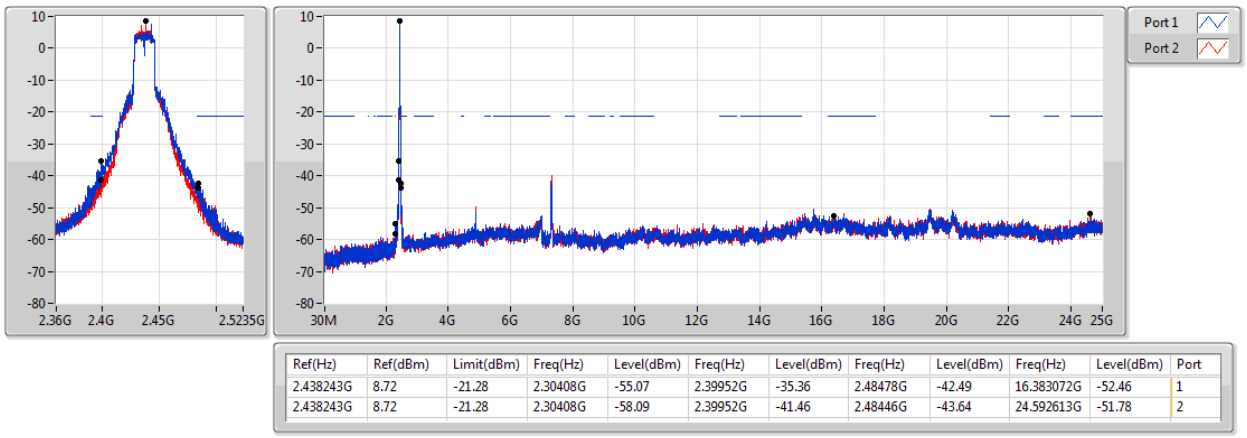
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	8.72	-21.28	2.30408G	-55.54	2.39952G	-30.66	2.49598G	-53.77	7.235136G	-48.59	1
2.438243G	8.72	-21.28	2.30408G	-58.41	2.39952G	-34.42	2.49598G	-56.81	7.223898G	-47.25	2

802.11n HT20_Nss1,(MCS0)_2TX **CSE NdB**

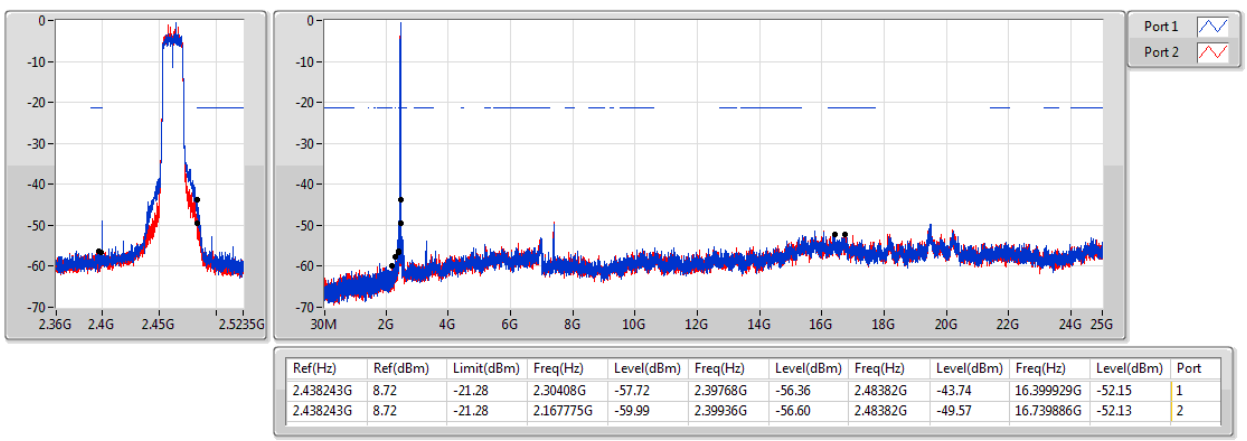
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	8.72	-21.28	2.30408G	-55.07	2.39952G	-35.36	2.48478G	-42.49	16.383072G	-52.46	1
2.438243G	8.72	-21.28	2.30408G	-58.09	2.39952G	-41.46	2.48446G	-43.64	24.592613G	-51.78	2

802.11n HT20_Nss1,(MCS0)_2TX **CSE NdB**

2462MHz

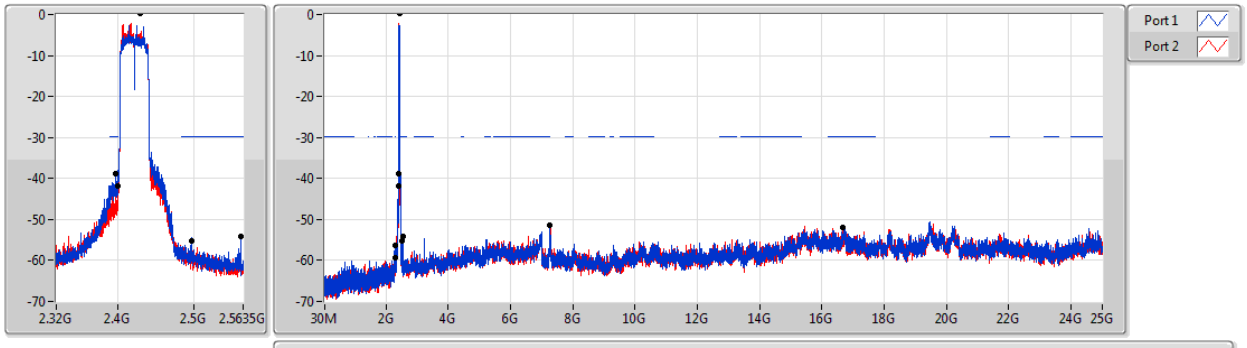


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	8.72	-21.28	2.30408G	-57.72	2.39768G	-56.36	2.48382G	-43.74	16.399929G	-52.15	1
2.438243G	8.72	-21.28	2.167775G	-59.99	2.39936G	-56.60	2.48382G	-49.57	16.739886G	-52.13	2

802.11n HT40_Nss1,(MCS0)_2TX **CSE NdB**

2422MHz

09/02/2018

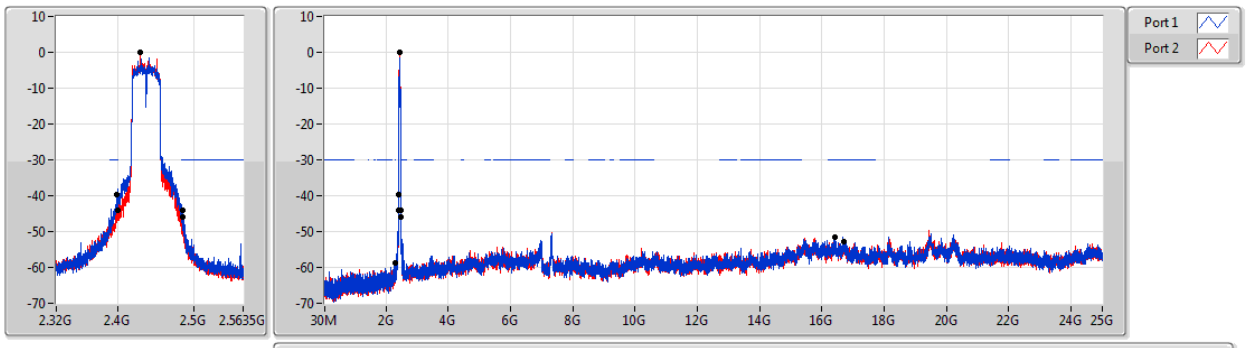


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.429392G	0.15	-29.85	2.305115G	-56.30	2.39776G	-38.73	2.55998G	-54.18	7.249924G	-51.54	1
2.429392G	0.15	-29.85	2.305115G	-59.36	2.39984G	-41.80	2.49598G	-55.14	16.678863G	-51.88	2

802.11n HT40_Nss1,(MCS0)_2TX **CSE NdB**

2437MHz

09/02/2018

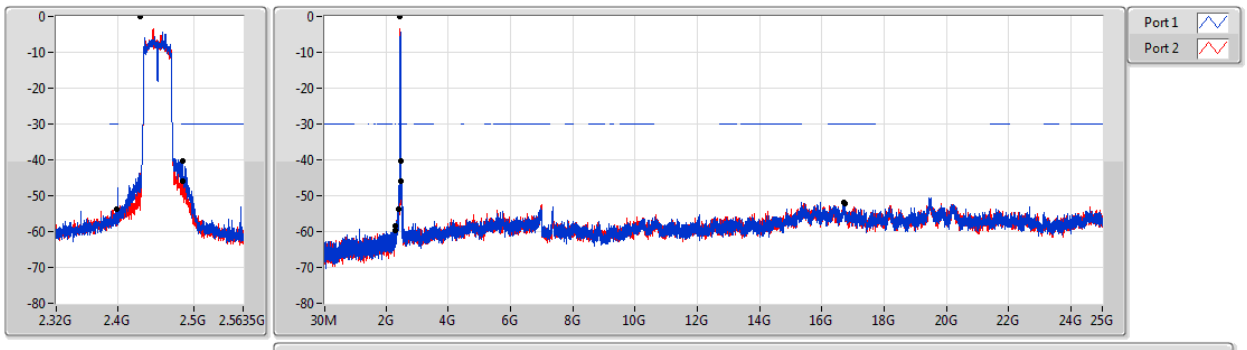


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.429392G	0.15	-29.85	2.305115G	-58.77	2.3992G	-39.60	2.48414G	-44.18	16.404016G	-51.54	1
2.429392G	0.15	-29.85	2.30626G	-58.61	2.39984G	-44.21	2.48446G	-45.93	16.712518G	-52.74	2

802.11n HT40_Nss1,(MCS0)_2TX **CSE NdB**

2452MHz

09/02/2018

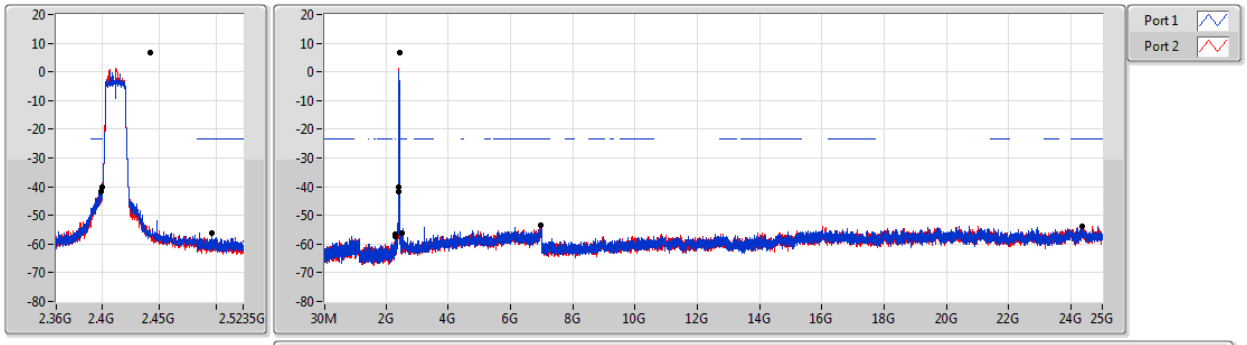


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.429392G	0.15	-29.85	2.305115G	-58.46	2.3992G	-53.78	2.4843G	-40.31	16.712518G	-51.87	1
2.429392G	0.15	-29.85	2.30397G	-59.61	2.39904G	-53.89	2.48414G	-45.84	16.743368G	-52.06	2

802.11n HT20-BF_Nss1,(MCS0)_2TX **CSE NdB**

2412MHz

09/02/2018

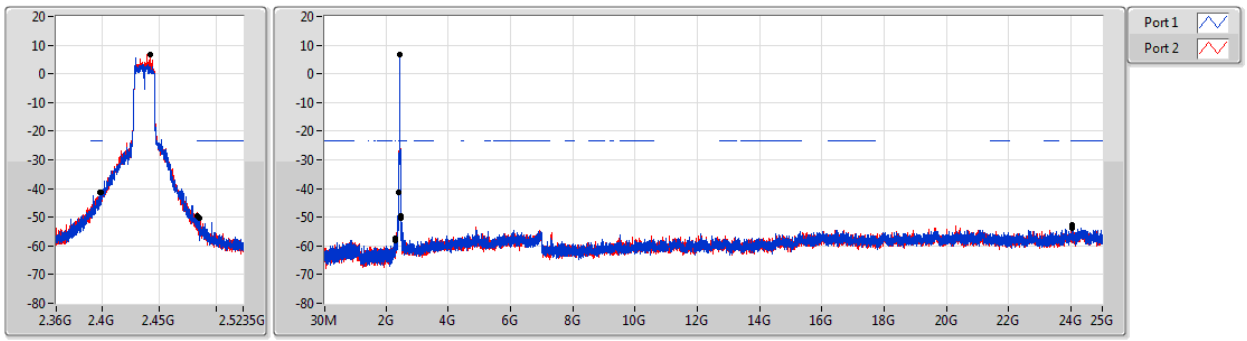


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.441917G	6.79	-23.21	2.30408G	-56.57	2.39944G	-41.60	2.49598G	-56.10	24.362229G	-53.83	1
2.441917G	6.79	-23.21	2.30408G	-57.25	2.39968G	-40.31	2.49598G	-56.10	6.962609G	-53.33	2

802.11n HT20-BF_Nss1,(MCS0)_2TX **CSE NdB**

2437MHz

09/02/2018

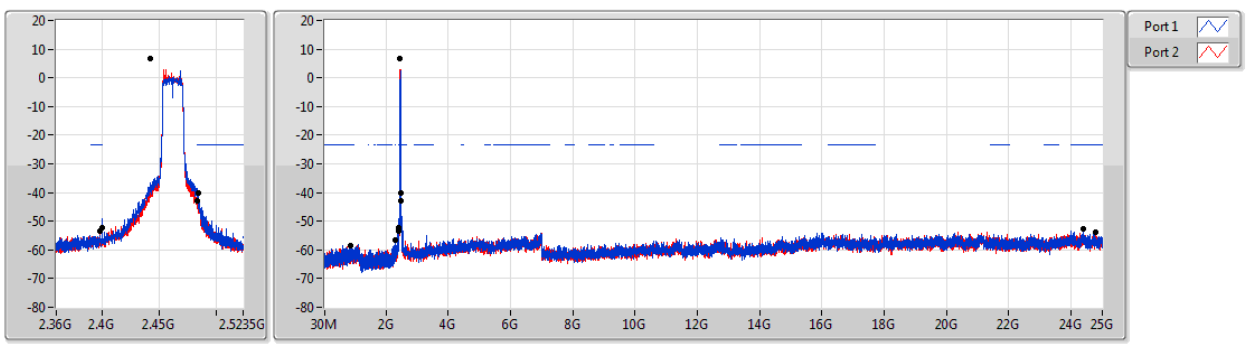


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.441917G	6.79	-23.21	2.30408G	-57.47	2.39824G	-41.27	2.48374G	-49.65	24.047558G	-52.66	1
2.441917G	6.79	-23.21	2.30874G	-58.16	2.3992G	-41.26	2.48526G	-50.37	24.047558G	-53.97	2

802.11n HT20-BF_Nss1,(MCS0)_2TX **CSE NdB**

2462MHz

09/02/2018

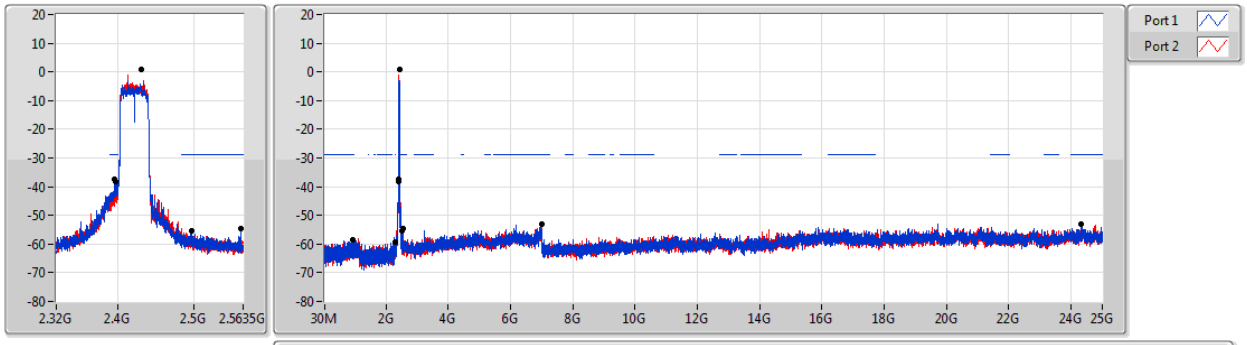


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.441917G	6.79	-23.21	2.30408G	-56.58	2.39992G	-52.10	2.48446G	-40.19	24.387515G	-52.82	1
2.441917G	6.79	-23.21	860.645M	-58.34	2.39824G	-53.30	2.48358G	-42.95	24.797712G	-53.79	2

802.11n HT40-BF_Nss1,(MCS0)_2TX **CSE NdB**

2422MHz

09/02/2018

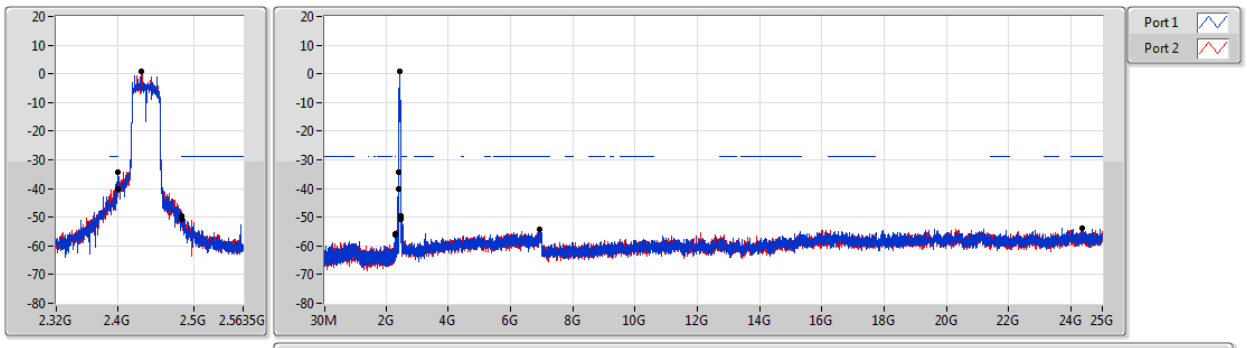


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.431396G	1.04	-28.96	944.855M	-58.40	2.39584G	-37.30	2.56014G	-54.54	24.312882G	-53.03	1
2.431396G	1.04	-28.96	2.30855G	-59.14	2.39712G	-38.22	2.49582G	-55.39	6.997513G	-52.90	2

802.11n HT40-BF_Nss1,(MCS0)_2TX **CSE NdB**

2437MHz

09/02/2018

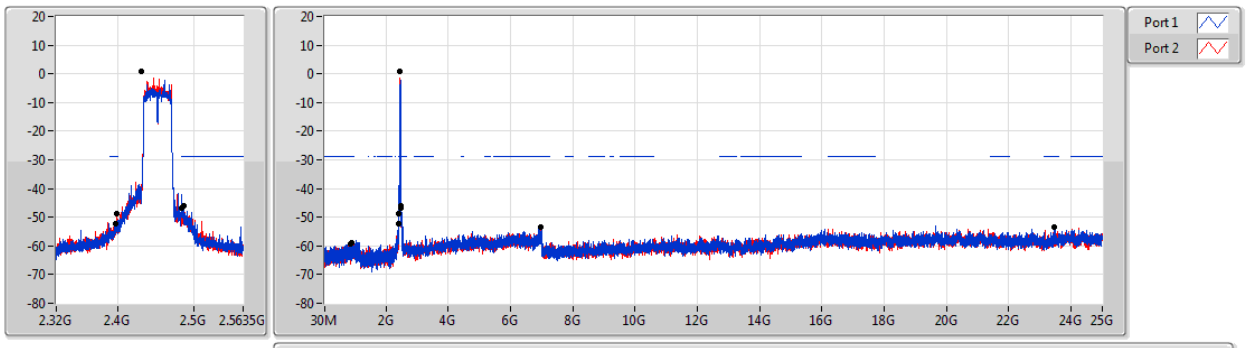


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.431396G	1.04	-28.96	2.30397G	-56.28	2.39952G	-34.20	2.48398G	-49.58	24.357755G	-53.93	1
2.431396G	1.04	-28.96	2.305115G	-55.96	2.39984G	-40.23	2.48366G	-50.84	6.918986G	-54.08	2

802.11n HT40-BF_Nss1,(MCS0)_2TX **CSE NdB**

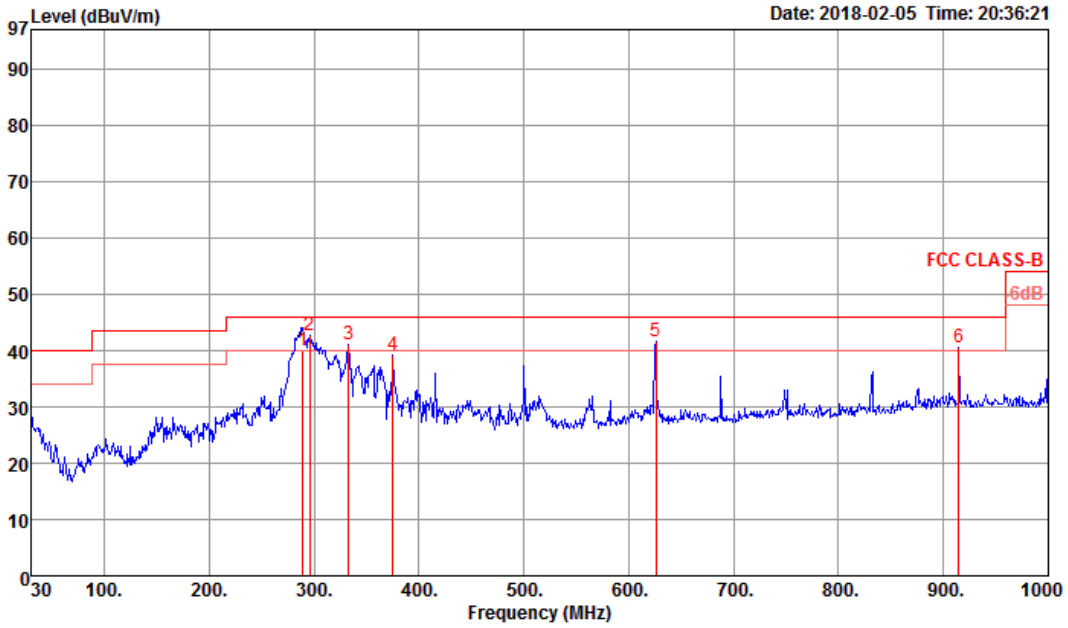
2452MHz

09/02/2018



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.431396G	1.04	-28.96	909.36M	-59.06	2.39792G	-52.21	2.48638G	-45.98	23.443468G	-53.41	1
2.431396G	1.04	-28.96	870.43M	-59.37	2.39808G	-48.78	2.48366G	-46.73	6.980686G	-53.26	2

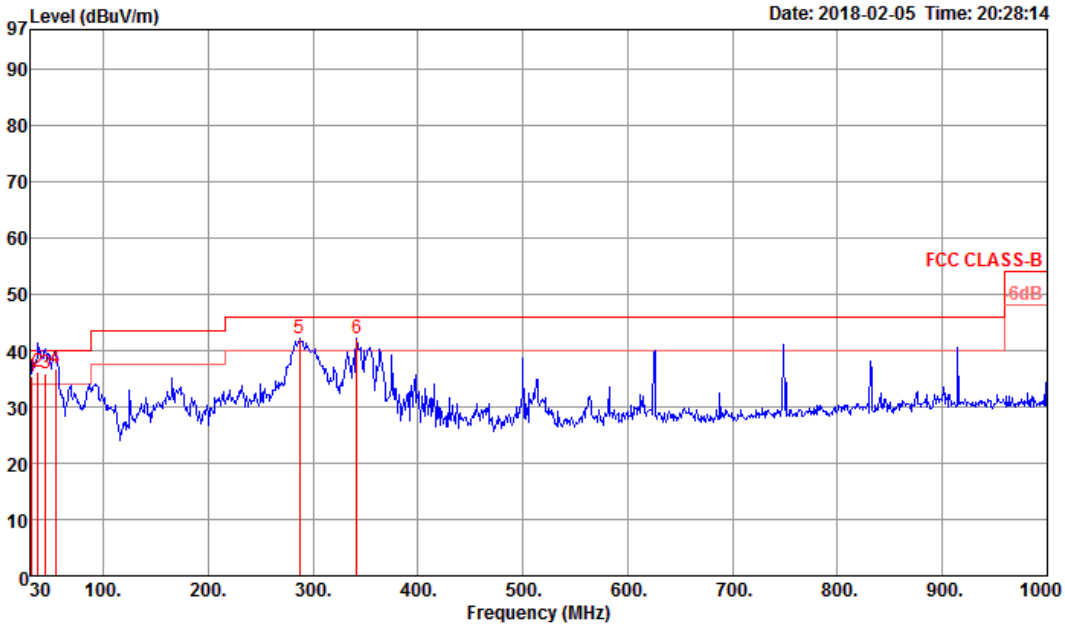
RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	288.99	40.12	46.00	-5.88	50.00	2.58	19.48	31.94	135	99	QP	HORIZONTAL
2	295.78	42.65	46.00	-3.35	52.38	2.61	19.62	31.96	100	0	Peak	HORIZONTAL
3	332.64	41.10	46.00	-4.90	50.60	1.79	20.69	31.98	100	0	Peak	HORIZONTAL
4	375.32	39.16	46.00	-6.84	47.08	2.22	21.88	32.02	100	0	Peak	HORIZONTAL
5	625.58	41.71	46.00	-4.29	46.03	2.76	25.26	32.34	100	0	Peak	HORIZONTAL
6	914.64	40.57	46.00	-5.43	40.59	4.52	27.73	32.27	100	0	Peak	HORIZONTAL

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	31.94	35.49	40.00	-4.51	41.49	0.99	24.46	31.45	101	172	QP	VERTICAL
2	37.76	36.27	40.00	-3.73	45.49	1.10	21.25	31.57	102	187	QP	VERTICAL
3	44.55	36.04	40.00	-3.96	48.99	1.36	17.35	31.66	101	179	QP	VERTICAL
4	54.25	36.69	40.00	-3.31	53.00	1.32	14.08	31.71	101	167	QP	VERTICAL
5	287.05	42.07	46.00	-3.93	52.00	2.57	19.44	31.94	300	0	Peak	VERTICAL
6	341.37	42.20	46.00	-3.80	51.66	1.59	20.93	31.98	300	0	Peak	VERTICAL

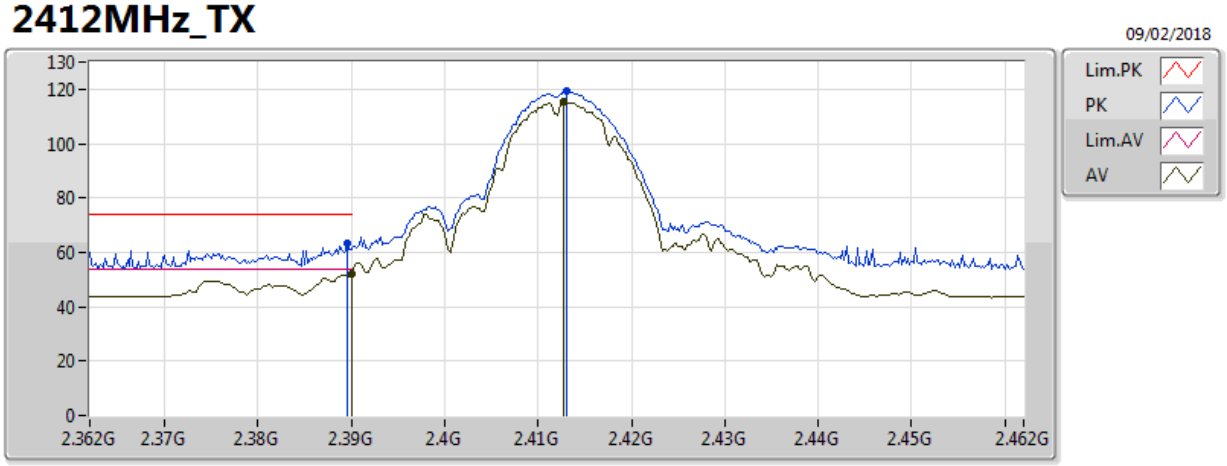
Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	AV	2.3898G	53.98	54.00	-0.02	30.96	3	Vertical	339	1.26	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX



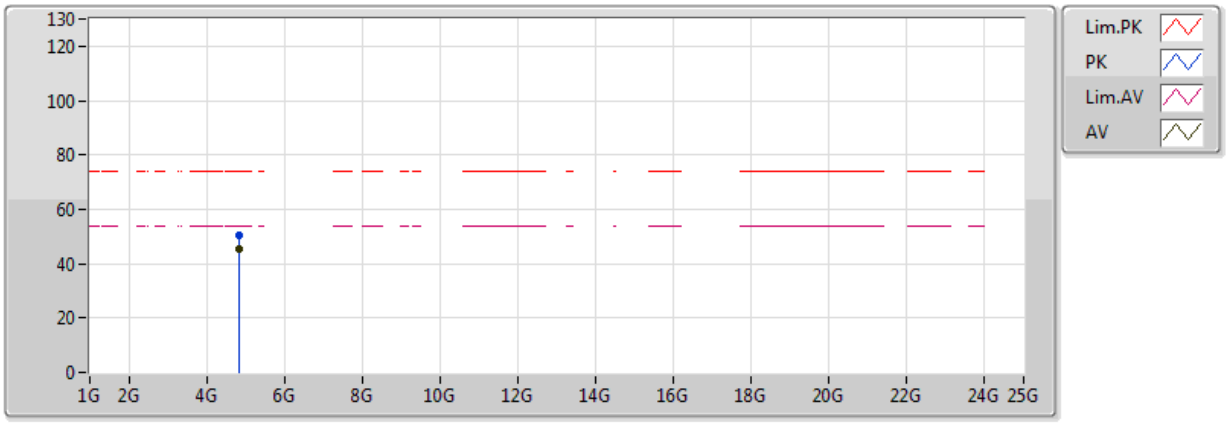
20180208
EUT Z 2TX(Dipole)
Setting 21
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	52.15	54.00	-1.85	30.96	3	Vertical	340	1.10	-
AV	2.4128G	115.41	Inf	-Inf	30.97	3	Vertical	340	1.10	-
PK	2.3896G	63.06	74.00	-10.94	30.96	3	Vertical	340	1.10	-
PK	2.413G	119.38	Inf	-Inf	30.97	3	Vertical	340	1.10	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

09/02/2018



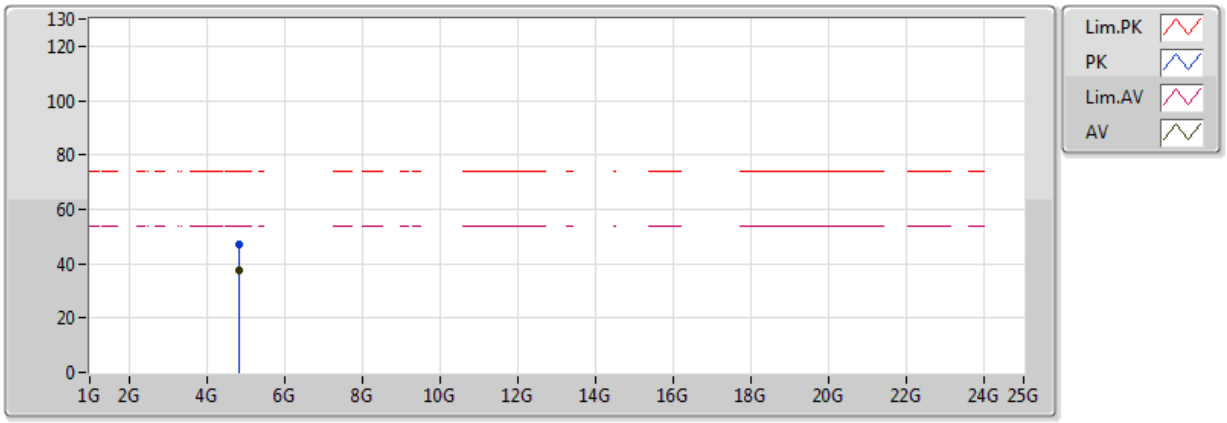
20180208
EUT Z 2TX(Dipole)
Setting 21
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82394G	45.20	54.00	-8.80	4.00	3	Vertical	181	1.17	-
PK	4.82388G	50.60	74.00	-23.40	4.00	3	Vertical	181	1.17	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

09/02/2018

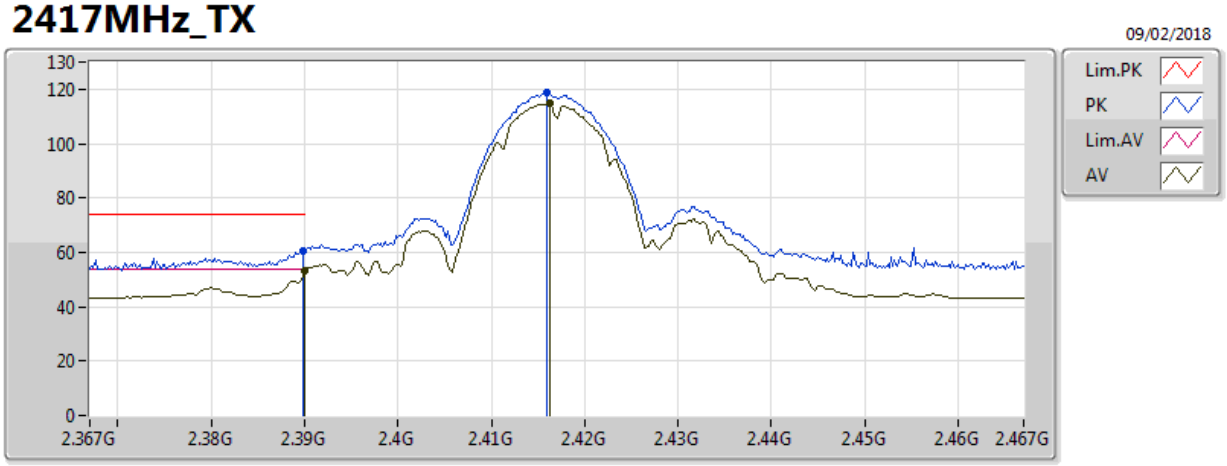


20180208
EUT Z 2TX(Dipole)
Setting 21
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82396G	37.37	54.00	-16.63	3.94	3	Horizontal	143	1.50	-
PK	4.82388G	47.32	74.00	-26.68	3.94	3	Horizontal	143	1.50	-

802.11b_Nss1,(1Mbps)_2TX

2417MHz_TX

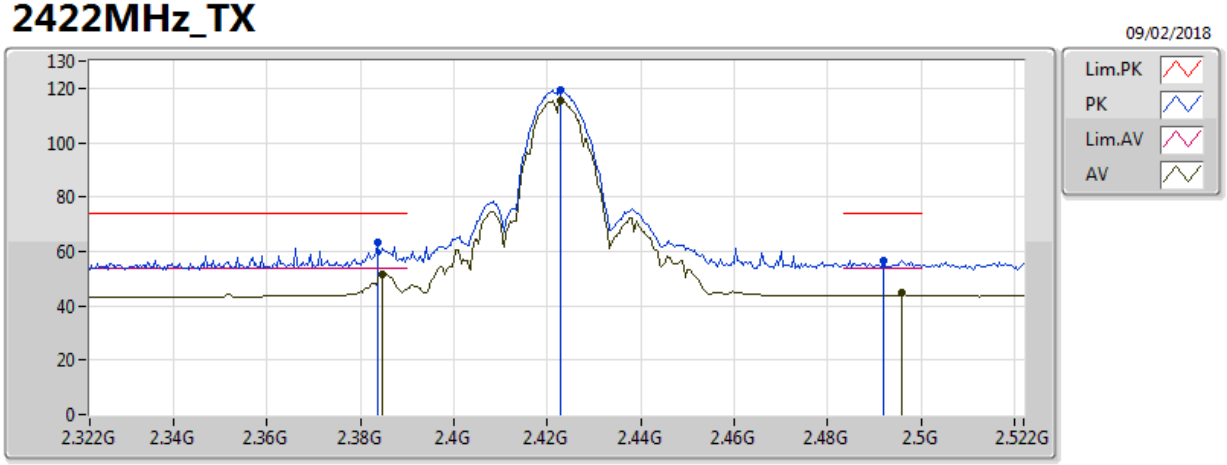


20180208
EUT Z 2TX(Dipole)
Setting 21
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.39	54.00	-0.61	30.96	3	Vertical	334	1.07	-
AV	2.4162G	114.76	Inf	-Inf	30.98	3	Vertical	334	1.07	-
PK	2.3898G	60.37	74.00	-13.63	30.96	3	Vertical	334	1.07	-
PK	2.416G	118.65	Inf	-Inf	30.98	3	Vertical	334	1.07	-

802.11b_Nss1,(1Mbps)_2TX

2422MHz_TX

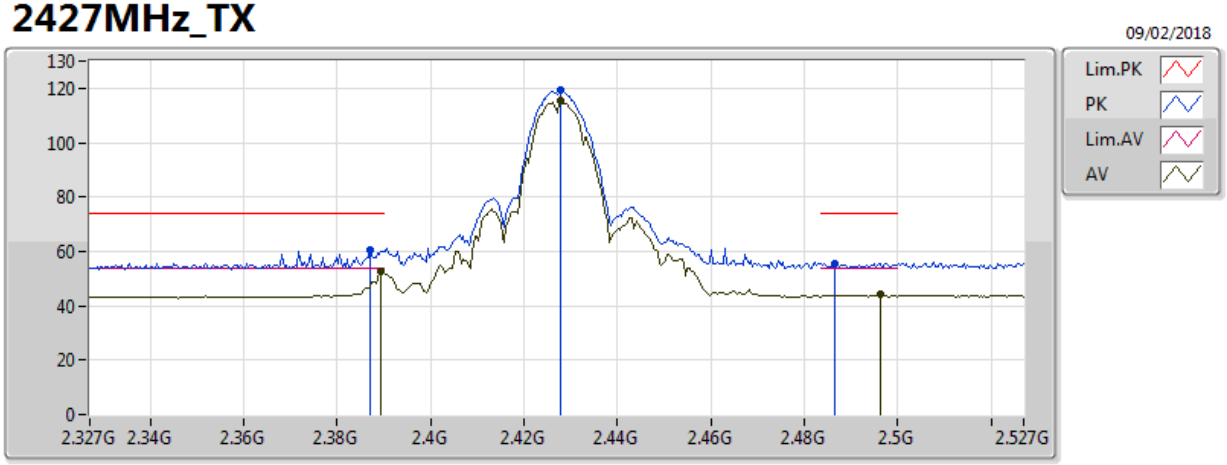


20180208
EUT Z 2TX(Dipole)
Setting 21.5
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3848G	51.83	54.00	-2.17	30.98	3	Vertical	339	1.09	-
AV	2.4228G	115.52	Inf	-Inf	31.00	3	Vertical	339	1.09	-
AV	2.496G	44.81	54.00	-9.19	31.21	3	Vertical	339	1.09	-
PK	2.3836G	63.40	74.00	-10.60	30.98	3	Vertical	339	1.09	-
PK	2.4228G	119.39	Inf	-Inf	31.00	3	Vertical	339	1.09	-
PK	2.492G	56.82	74.00	-17.18	31.20	3	Vertical	339	1.09	-

802.11b_Nss1,(1Mbps)_2TX

2427MHz_TX

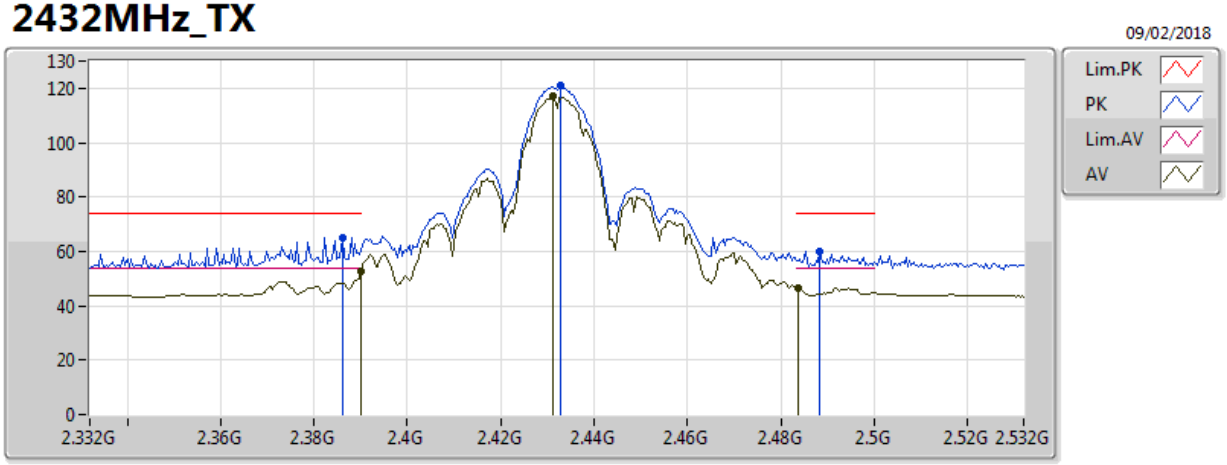


20180208
EUT Z 2TX(Dipole)
Setting 21.5
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3894G	52.52	54.00	-1.48	30.96	3	Vertical	339	1.03	-
AV	2.4278G	115.22	Inf	-Inf	31.01	3	Vertical	339	1.03	-
AV	2.4962G	44.20	54.00	-9.80	31.21	3	Vertical	339	1.03	-
PK	2.387G	60.24	74.00	-13.76	30.97	3	Vertical	339	1.03	-
PK	2.4278G	119.27	Inf	-Inf	31.01	3	Vertical	339	1.03	-
PK	2.4866G	55.61	74.00	-18.39	31.18	3	Vertical	339	1.03	-

802.11b_Nss1,(1Mbps)_2TX

2432MHz_TX

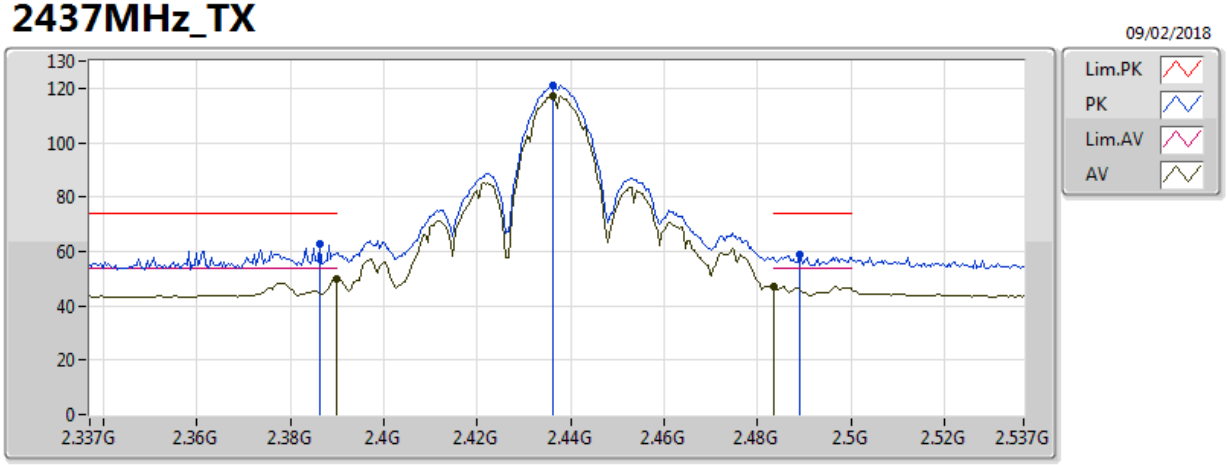


20180208
EUT Z 2TX(Dipole)
Setting 23.5
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	52.59	54.00	-1.41	30.96	3	Vertical	7	1.05	-
AV	2.4312G	116.91	Inf	-Inf	31.02	3	Vertical	7	1.05	-
AV	2.4836G	46.64	54.00	-7.36	31.17	3	Vertical	7	1.05	-
PK	2.386G	65.26	74.00	-8.74	30.97	3	Vertical	7	1.05	-
PK	2.4328G	120.81	Inf	-Inf	31.03	3	Vertical	7	1.05	-
PK	2.4884G	59.98	74.00	-14.02	31.19	3	Vertical	7	1.05	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

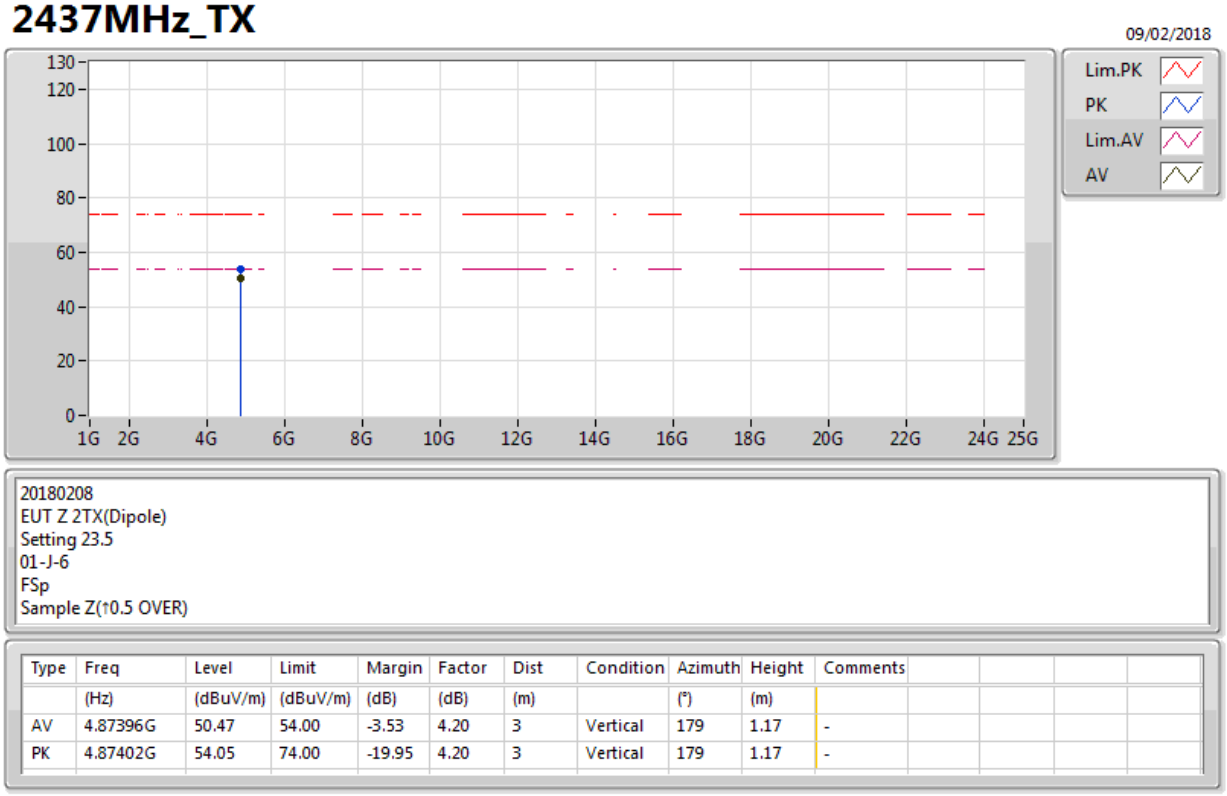


20180208
EUT Z 2TX(Dipole)
Setting 23.5
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	50.08	54.00	-3.92	30.96	3	Vertical	338	1.24	-
AV	2.4362G	117.06	Inf	-Inf	31.03	3	Vertical	338	1.24	-
AV	2.483502G	47.16	54.00	-6.84	31.17	3	Vertical	338	1.24	-
PK	2.3862G	62.91	74.00	-11.09	30.97	3	Vertical	338	1.24	-
PK	2.4362G	120.90	Inf	-Inf	31.03	3	Vertical	338	1.24	-
PK	2.489G	58.77	74.00	-15.23	31.19	3	Vertical	338	1.24	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

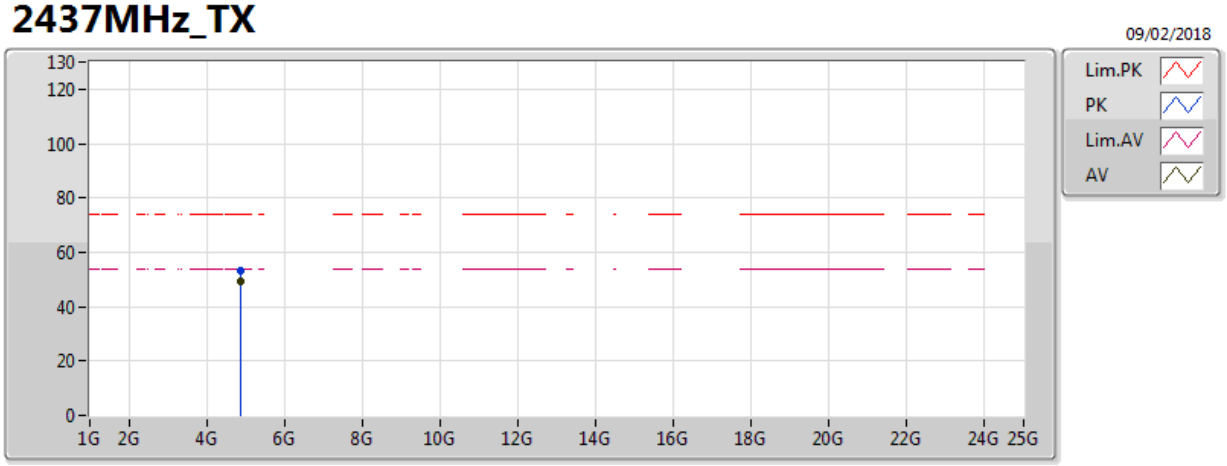


20180208
EUT Z 2TX(Dipole)
Setting 23.5
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87396G	50.47	54.00	-3.53	4.20	3	Vertical	179	1.17	-
PK	4.87402G	54.05	74.00	-19.95	4.20	3	Vertical	179	1.17	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

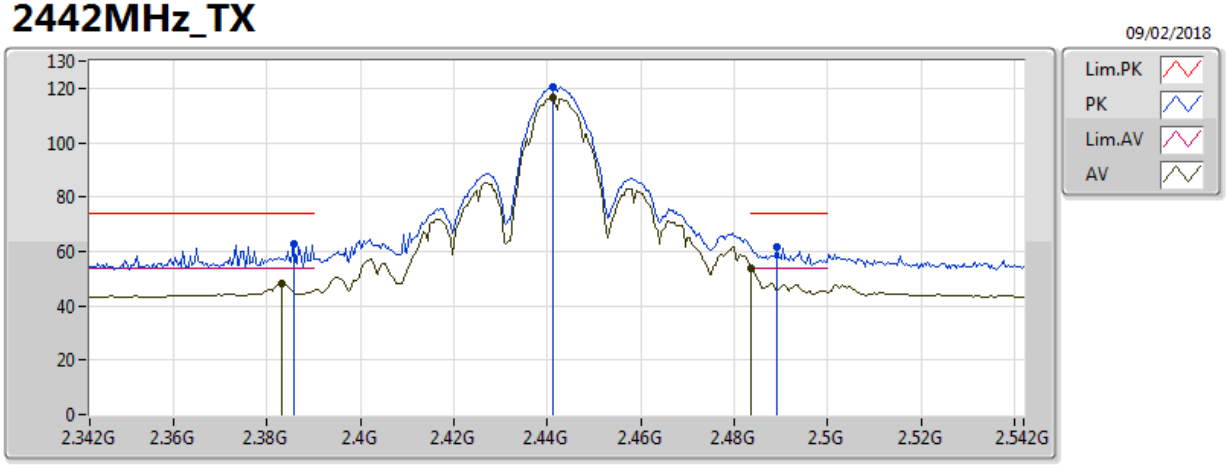


20180208
EUT Z 2TX(Dipole)
Setting 23.5
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87394G	49.14	54.00	-4.86	4.14	3	Horizontal	132	1.19	-
PK	4.87392G	53.22	74.00	-20.78	4.14	3	Horizontal	132	1.19	-

802.11b_Nss1,(1Mbps)_2TX

2442MHz_TX

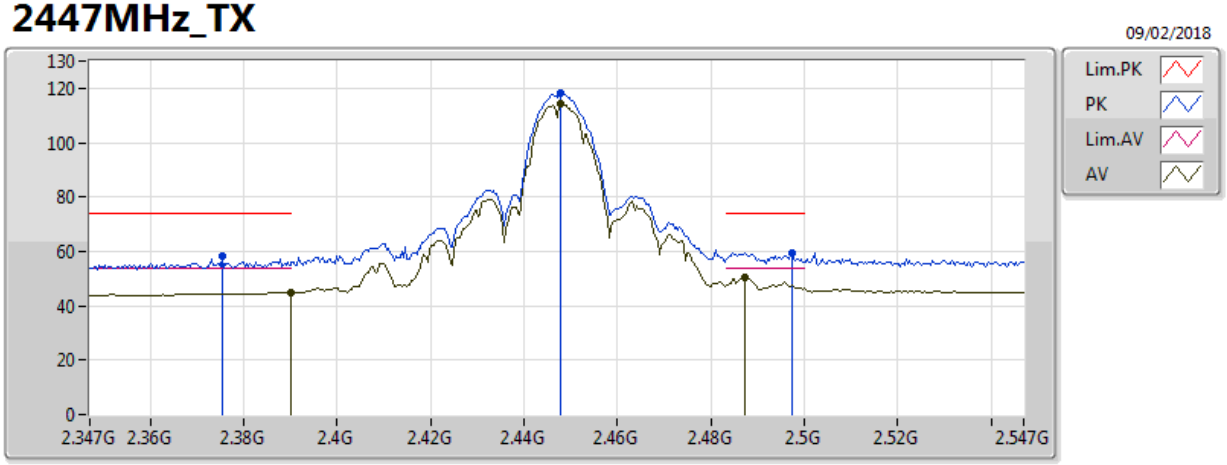


20180208
EUT Z 2TX(Dipole)
Setting 23.5
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3832G	47.99	54.00	-6.01	30.98	3	Vertical	339	1.24	-
AV	2.4412G	116.67	Inf	-Inf	31.05	3	Vertical	339	1.24	-
AV	2.4836G	53.86	54.00	-0.14	31.17	3	Vertical	339	1.24	-
PK	2.3856G	62.82	74.00	-11.18	30.97	3	Vertical	339	1.24	-
PK	2.4412G	120.49	Inf	-Inf	31.05	3	Vertical	339	1.24	-
PK	2.4892G	61.69	74.00	-12.31	31.19	3	Vertical	339	1.24	-

802.11b_Nss1,(1Mbps)_2TX

2447MHz_TX

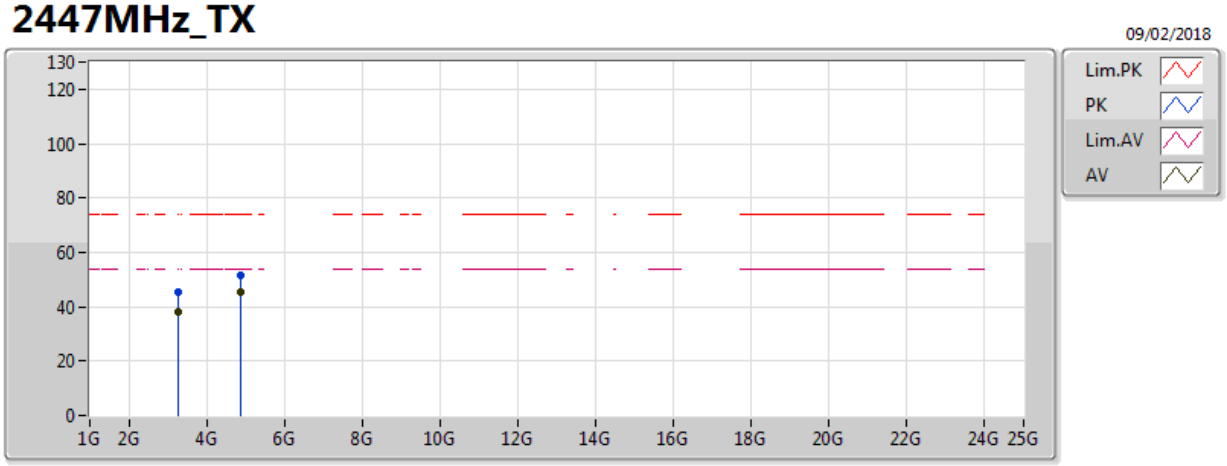


20180207
EUT Z 2TX(Dipole)
Setting 22.5
06-J-6
FSP
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	44.99	54.00	-9.01	32.12	3	Vertical	41	1.42	-
AV	2.4478G	114.39	Inf	-Inf	32.31	3	Vertical	41	1.42	-
AV	2.4874G	50.40	54.00	-3.60	32.43	3	Vertical	41	1.42	-
PK	2.3754G	58.09	74.00	-15.91	32.07	3	Vertical	41	1.42	-
PK	2.4478G	118.40	Inf	-Inf	32.31	3	Vertical	41	1.42	-
PK	2.4974G	59.45	74.00	-14.55	32.47	3	Vertical	41	1.42	-

802.11b_Nss1,(1Mbps)_2TX

2447MHz_TX

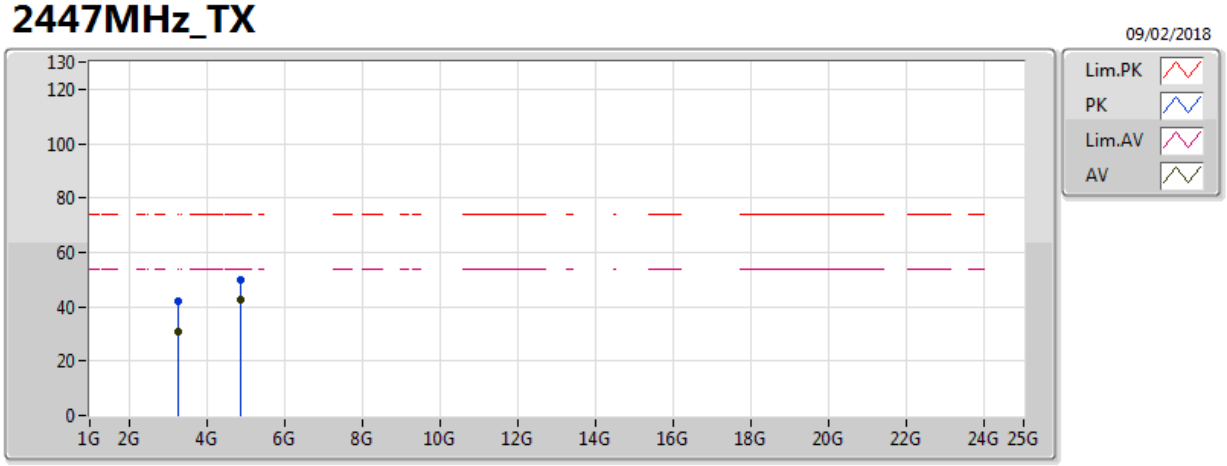


20180207
EUT Z 2TX(Dipole)
Setting 22.5
06-J-6
FSP
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	3.262647G	38.37	54.00	-15.63	1.57	3	Vertical	341	2.54	-
AV	4.89396G	45.39	54.00	-8.61	6.89	3	Vertical	162	1.39	-
PK	3.262567G	45.57	74.00	-28.43	1.57	3	Vertical	341	2.54	-
PK	4.89406G	51.40	74.00	-22.60	6.89	3	Vertical	162	1.39	-

802.11b_Nss1,(1Mbps)_2TX

2447MHz_TX

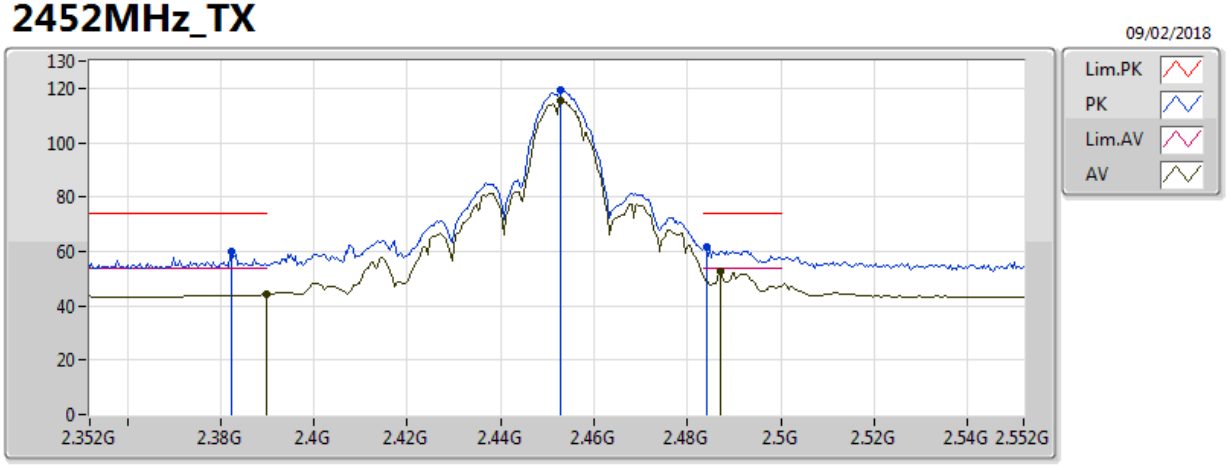


20180207
EUT Z 2TX(Dipole)
Setting 22.5
06-J-6
FSP
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	3.262647G	30.71	54.00	-23.29	1.57	3	Horizontal	98	1.56	-
AV	4.8939G	42.55	54.00	-11.45	6.89	3	Horizontal	149	1.01	-
PK	3.262627G	41.97	74.00	-32.03	1.57	3	Horizontal	98	1.56	-
PK	4.894G	49.78	74.00	-24.22	6.89	3	Horizontal	149	1.01	-

802.11b_Nss1,(1Mbps)_2TX

2452MHz_TX

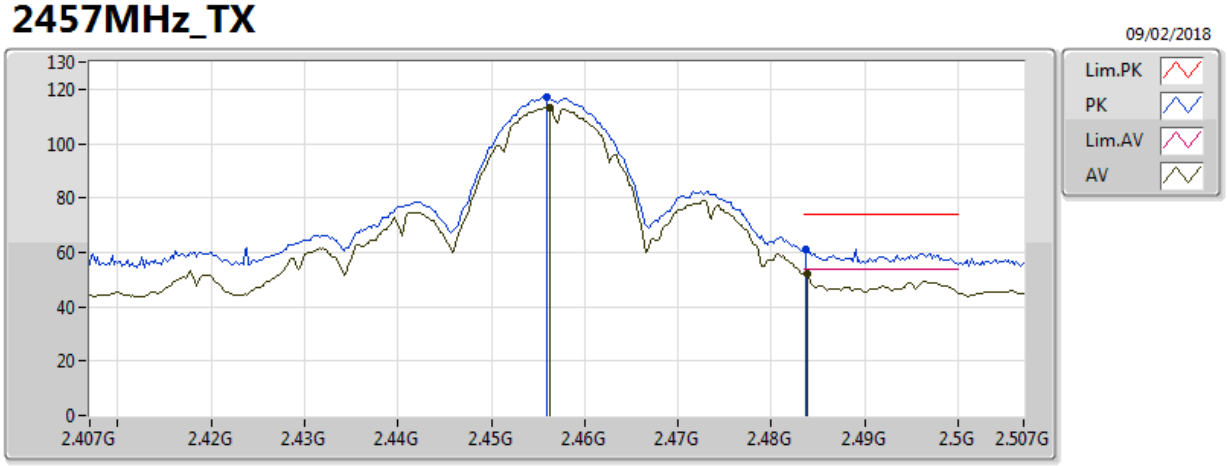


20180208
EUT Z 2TX(Dipole)
Setting 22.5
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	44.10	54.00	-9.90	30.96	3	Vertical	9	1.15	-
AV	2.4528G	115.29	Inf	-Inf	31.08	3	Vertical	9	1.15	-
AV	2.4872G	52.64	54.00	-1.36	31.18	3	Vertical	9	1.15	-
PK	2.3824G	60.04	74.00	-13.96	30.98	3	Vertical	9	1.15	-
PK	2.4528G	119.25	Inf	-Inf	31.08	3	Vertical	9	1.15	-
PK	2.484G	61.71	74.00	-12.29	31.17	3	Vertical	9	1.15	-

802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

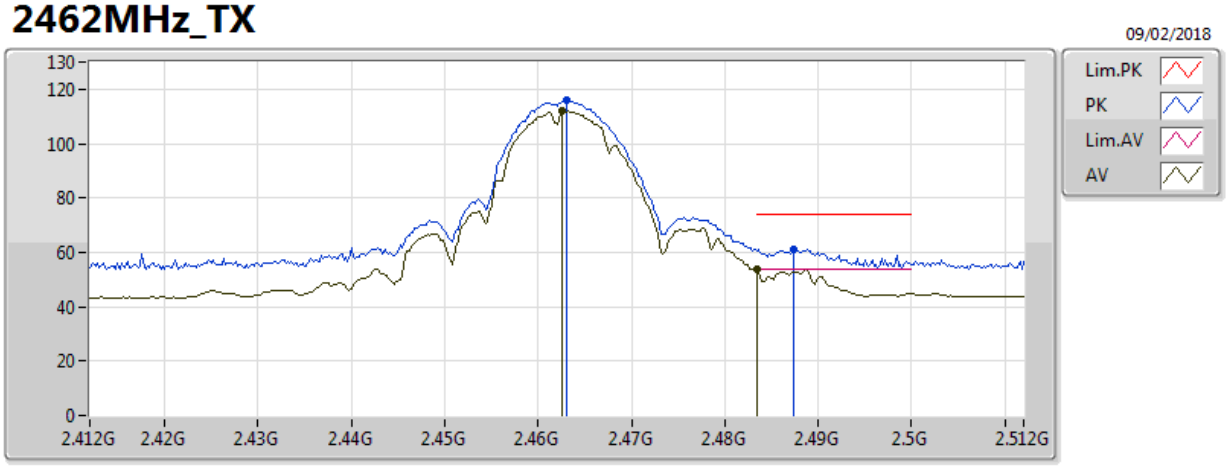


20180208
EUT Z 2TX(Dipole)
Setting 22
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4562G	113.24	Inf	-Inf	31.09	3	Vertical	306	1.64	-
AV	2.4838G	52.27	54.00	-1.73	31.17	3	Vertical	306	1.64	-
PK	2.456G	117.30	Inf	-Inf	31.09	3	Vertical	306	1.64	-
PK	2.4836G	61.10	74.00	-12.90	31.17	3	Vertical	306	1.64	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

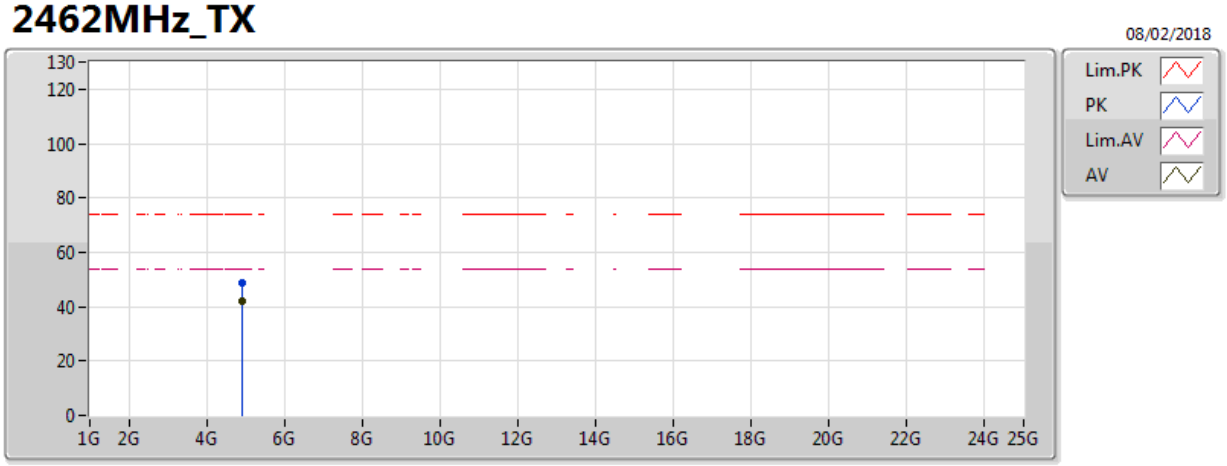


20180208
EUT Z 2TX(Dipole)
Setting 19.5
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4626G	111.88	Inf	-Inf	31.11	3	Vertical	311	1.05	-
AV	2.483502G	53.88	54.00	-0.12	31.17	3	Vertical	311	1.05	-
PK	2.463G	116.07	Inf	-Inf	31.11	3	Vertical	311	1.05	-
PK	2.4874G	60.94	74.00	-13.06	31.18	3	Vertical	311	1.05	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

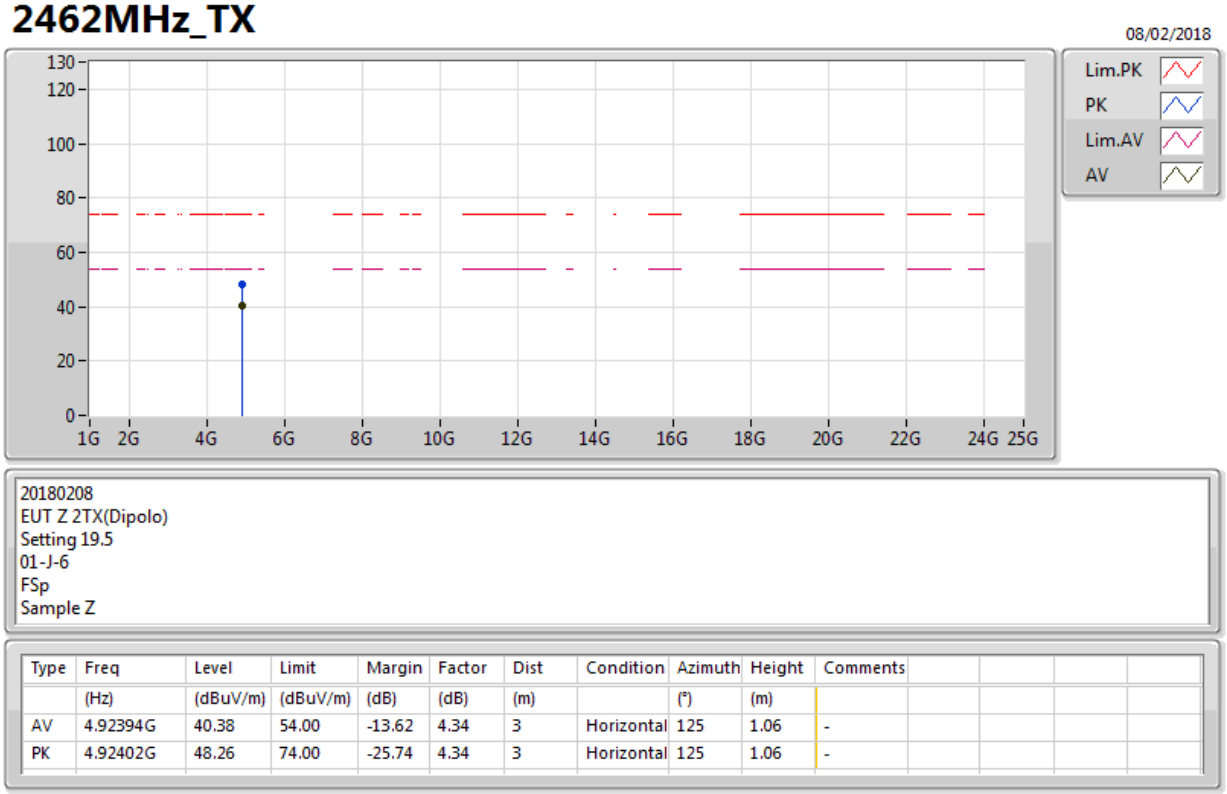


20180208
EUT Z 2TX(Dipolo)
Setting 19.5
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92392G	42.18	54.00	-11.82	4.40	3	Vertical	164	1.59	-
PK	4.92402G	48.92	74.00	-25.08	4.40	3	Vertical	164	1.59	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

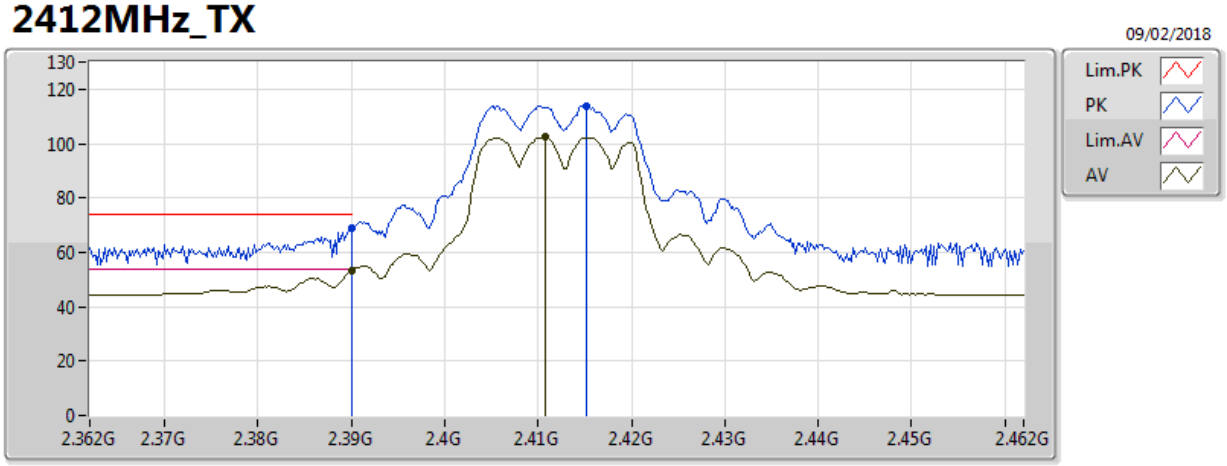


20180208
EUT Z 2TX(Dipolo)
Setting 19.5
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92394G	40.38	54.00	-13.62	4.34	3	Horizontal	125	1.06	-
PK	4.92402G	48.26	74.00	-25.74	4.34	3	Horizontal	125	1.06	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

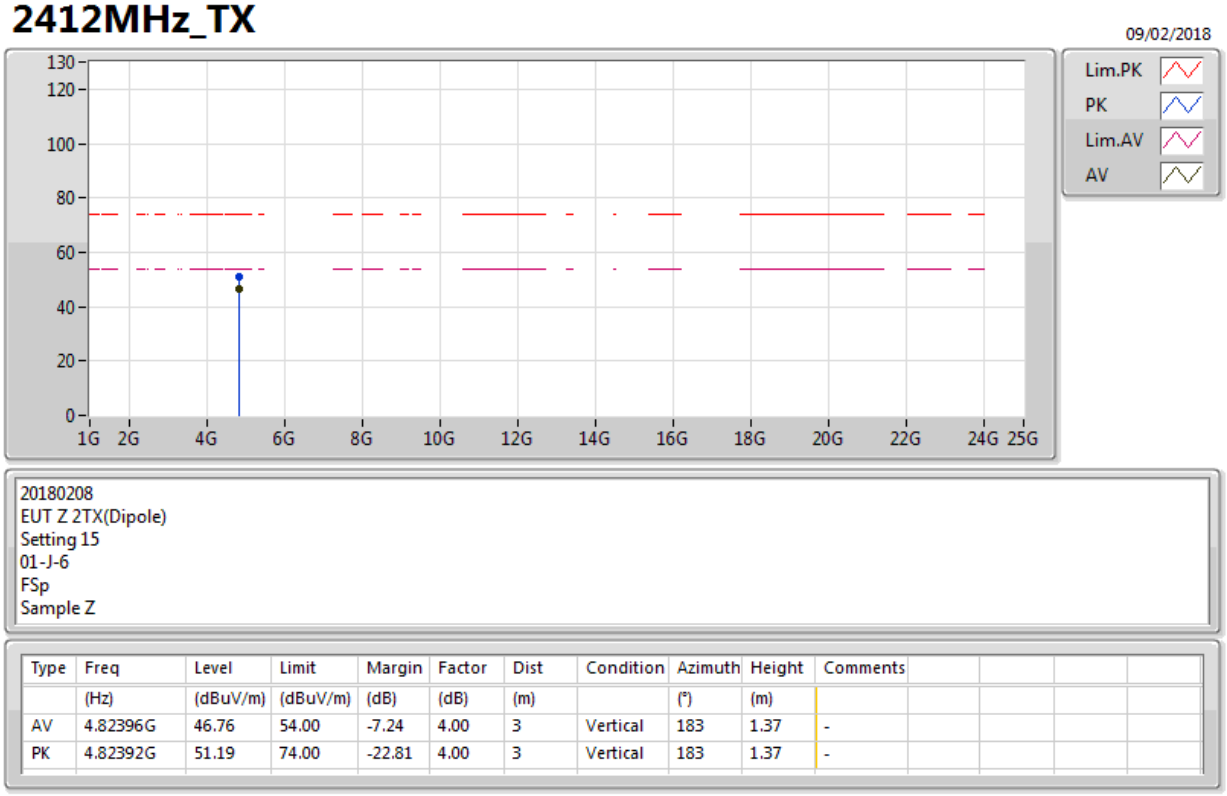


20180208
EUT Z 2TX(Dipole)
Setting 15
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.24	54.00	-0.76	30.96	3	Vertical	313	1.50	-
AV	2.4108G	102.29	Inf	-Inf	30.96	3	Vertical	313	1.50	-
PK	2.389998G	68.84	74.00	-5.16	30.96	3	Vertical	313	1.50	-
PK	2.4152G	113.92	Inf	-Inf	30.97	3	Vertical	313	1.50	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX



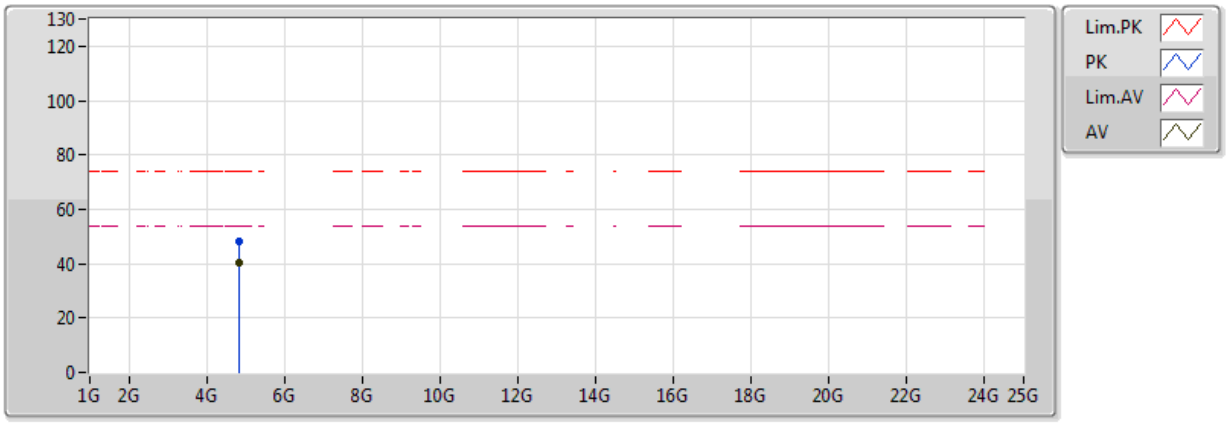
20180208
EUT Z 2TX(Dipole)
Setting 15
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82396G	46.76	54.00	-7.24	4.00	3	Vertical	183	1.37	-
PK	4.82392G	51.19	74.00	-22.81	4.00	3	Vertical	183	1.37	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

09/02/2018

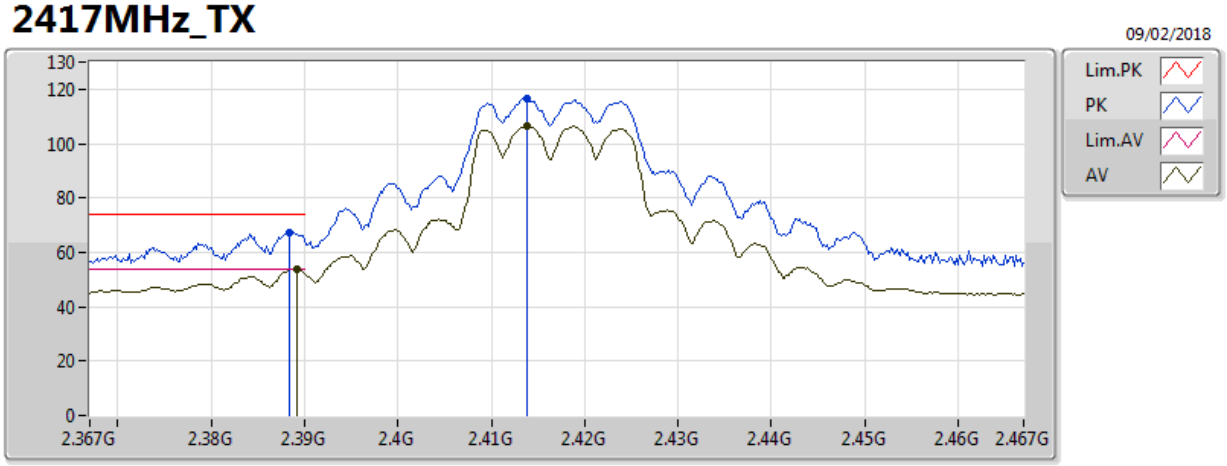


20180208
EUT Z 2TX(Dipole)
Setting 15
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82394G	40.38	54.00	-13.62	3.94	3	Horizontal	148	1.17	-
PK	4.8241G	48.08	74.00	-25.92	3.94	3	Horizontal	148	1.17	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

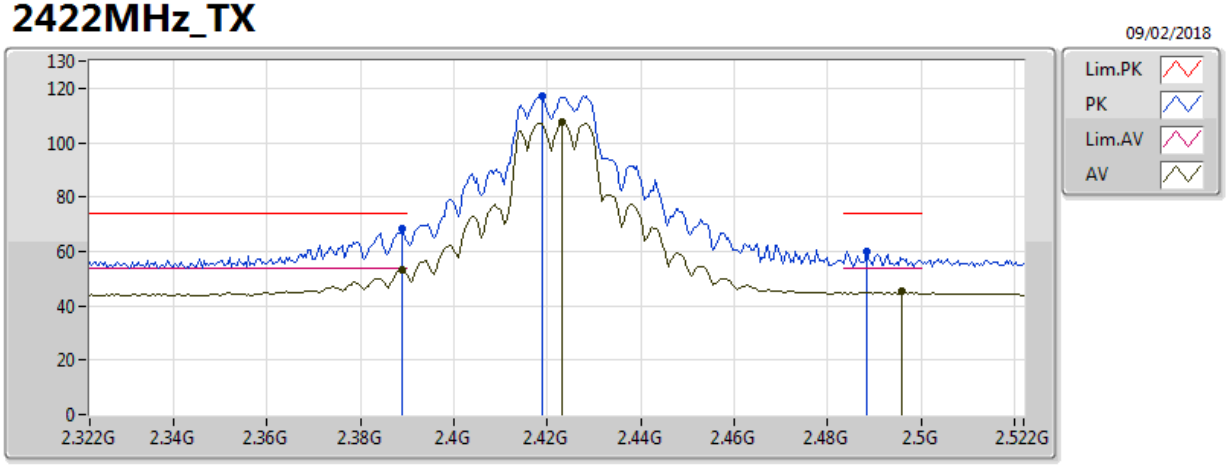


20180208
EUT Z 2TX(Dipole)
Setting 17
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3892G	53.96	54.00	-0.04	30.96	3	Vertical	319	1.23	-
AV	2.4138G	106.43	Inf	-Inf	30.97	3	Vertical	319	1.23	-
PK	2.3884G	67.47	74.00	-6.53	30.96	3	Vertical	319	1.23	-
PK	2.4138G	116.80	Inf	-Inf	30.97	3	Vertical	319	1.23	-

802.11g_Nss1,(6Mbps)_2TX

2422MHz_TX

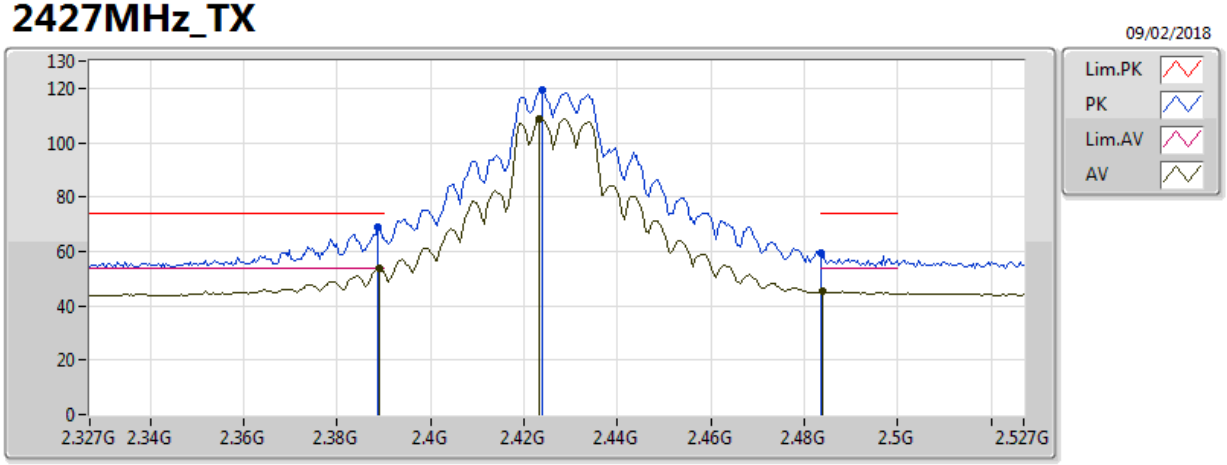


20180208
EUT Z 2TX(Dipole)
Setting 18.5
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3888G	53.25	54.00	-0.75	30.96	3	Vertical	315	1.46	-
AV	2.4232G	107.49	Inf	-Inf	31.00	3	Vertical	315	1.46	-
AV	2.496G	45.51	54.00	-8.49	31.21	3	Vertical	315	1.46	-
PK	2.3888G	68.12	74.00	-5.88	30.96	3	Vertical	315	1.46	-
PK	2.4188G	117.32	Inf	-Inf	30.98	3	Vertical	315	1.46	-
PK	2.4884G	59.90	74.00	-14.10	31.19	3	Vertical	315	1.46	-

802.11g_Nss1,(6Mbps)_2TX

2427MHz_TX

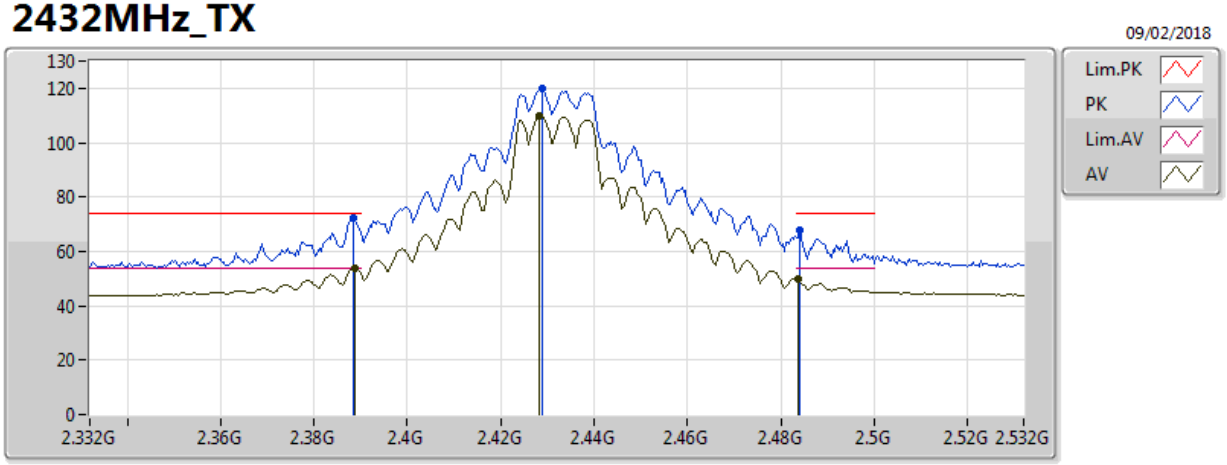


20180208
EUT Z 2TX(Dipole)
Setting 20
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389G	53.64	54.00	-0.36	30.96	3	Vertical	319	1.46	-
AV	2.4234G	108.94	Inf	-Inf	31.00	3	Vertical	319	1.46	-
AV	2.4838G	45.24	54.00	-8.76	31.17	3	Vertical	319	1.46	-
PK	2.3886G	68.89	74.00	-5.11	30.96	3	Vertical	319	1.46	-
PK	2.4238G	119.27	Inf	-Inf	31.00	3	Vertical	319	1.46	-
PK	2.483502G	59.14	74.00	-14.86	31.17	3	Vertical	319	1.46	-

802.11g_Nss1,(6Mbps)_2TX

2432MHz_TX

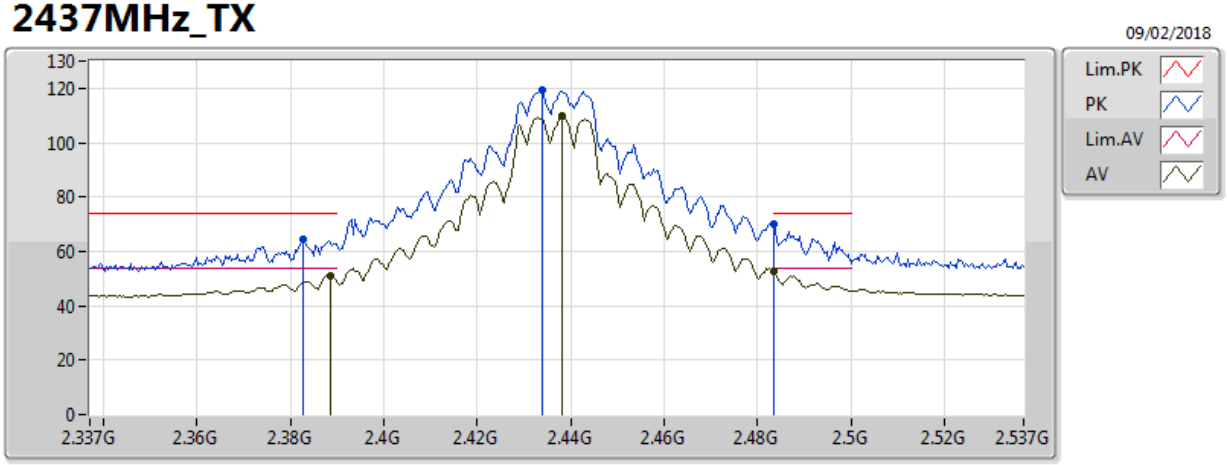


20180208
EUT Z 2TX(Dipole)
Setting 21.5
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3888G	53.74	54.00	-0.26	30.96	3	Vertical	318	1.47	-
AV	2.4284G	109.66	Inf	-Inf	31.01	3	Vertical	318	1.47	-
AV	2.4836G	49.71	54.00	-4.29	31.17	3	Vertical	318	1.47	-
PK	2.3884G	72.46	74.00	-1.54	30.96	3	Vertical	318	1.47	-
PK	2.4288G	120.17	Inf	-Inf	31.01	3	Vertical	318	1.47	-
PK	2.484G	67.55	74.00	-6.45	31.17	3	Vertical	318	1.47	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX



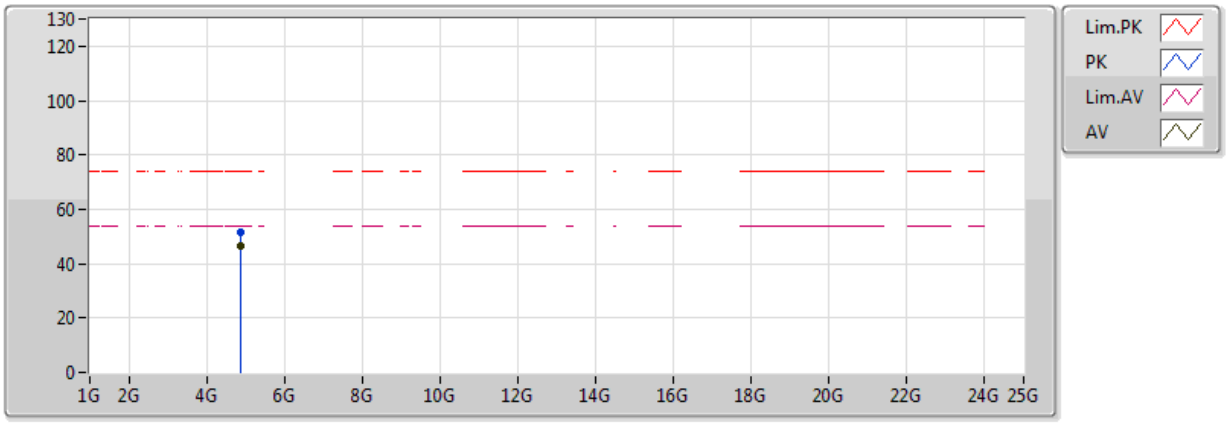
20180208
EUT Z 2TX(Dipole)
Setting 21.5
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3886G	51.24	54.00	-2.76	30.96	3	Vertical	314	1.36	-
AV	2.4382G	109.84	Inf	-Inf	31.04	3	Vertical	314	1.36	-
AV	2.483502G	52.89	54.00	-1.11	31.17	3	Vertical	314	1.36	-
PK	2.3826G	64.23	74.00	-9.77	30.98	3	Vertical	314	1.36	-
PK	2.4338G	119.34	Inf	-Inf	31.03	3	Vertical	314	1.36	-
PK	2.483502G	70.06	74.00	-3.94	31.17	3	Vertical	314	1.36	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

09/02/2018

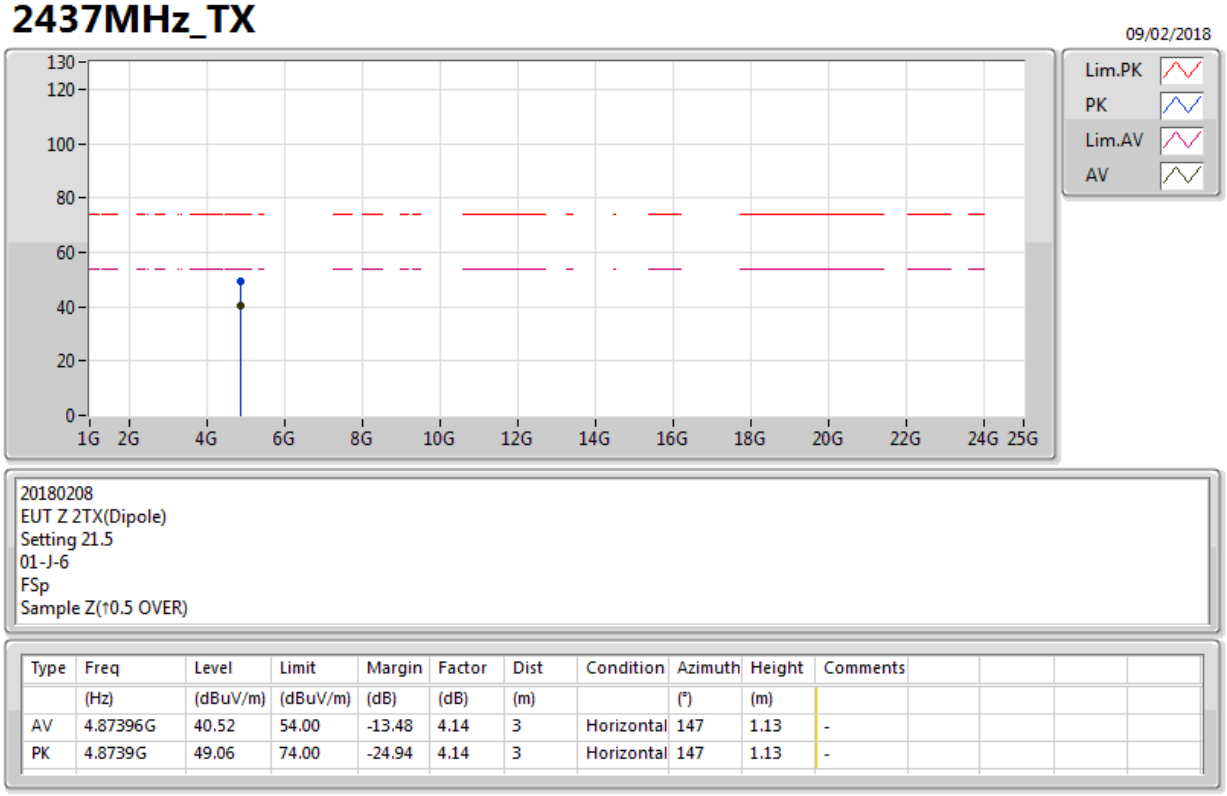


20180208
EUT Z 2TX(Dipole)
Setting 21.5
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87392G	46.26	54.00	-7.74	4.20	3	Vertical	181	1.16	-
PK	4.87396G	51.50	74.00	-22.50	4.20	3	Vertical	181	1.16	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

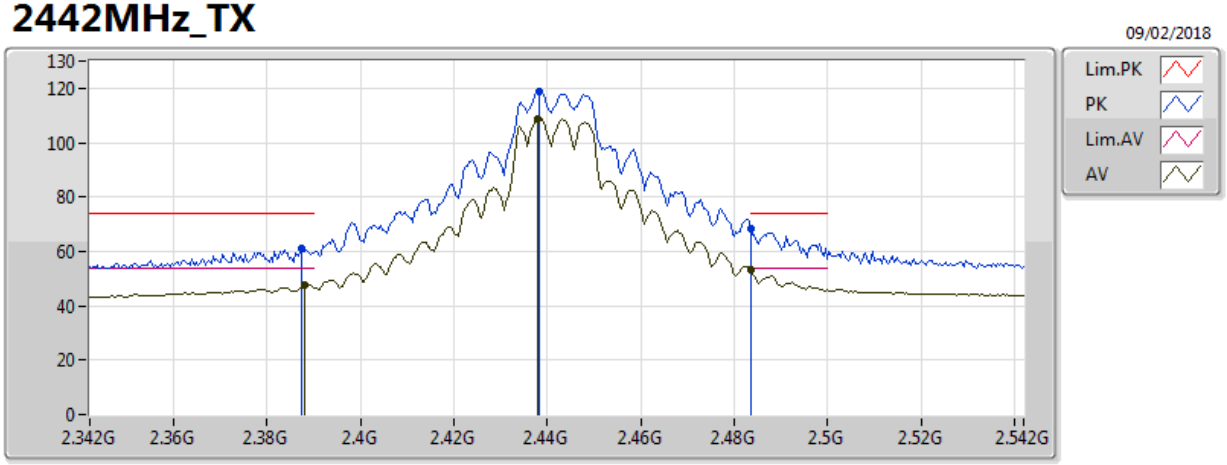


20180208
EUT Z 2TX(Dipole)
Setting 21.5
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87396G	40.52	54.00	-13.48	4.14	3	Horizontal	147	1.13	-
PK	4.8739G	49.06	74.00	-24.94	4.14	3	Horizontal	147	1.13	-

802.11g_Nss1,(6Mbps)_2TX

2442MHz_TX

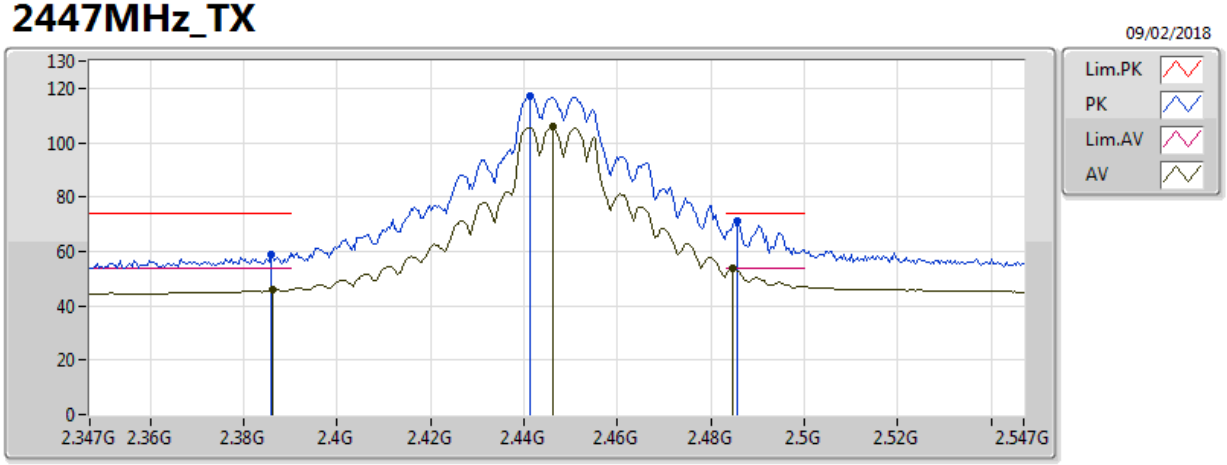


20180208
EUT Z 2TX(Dipole)
Setting 20.5
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.388G	47.72	54.00	-6.28	30.97	3	Vertical	315	1.37	-
AV	2.438G	108.84	Inf	-Inf	31.04	3	Vertical	315	1.37	-
AV	2.4836G	53.08	54.00	-0.92	31.17	3	Vertical	315	1.37	-
PK	2.3872G	60.90	74.00	-13.10	30.97	3	Vertical	315	1.37	-
PK	2.4384G	118.95	Inf	-Inf	31.04	3	Vertical	315	1.37	-
PK	2.4836G	68.27	74.00	-5.73	31.17	3	Vertical	315	1.37	-

802.11g_Nss1,(6Mbps)_2TX

2447MHz_TX

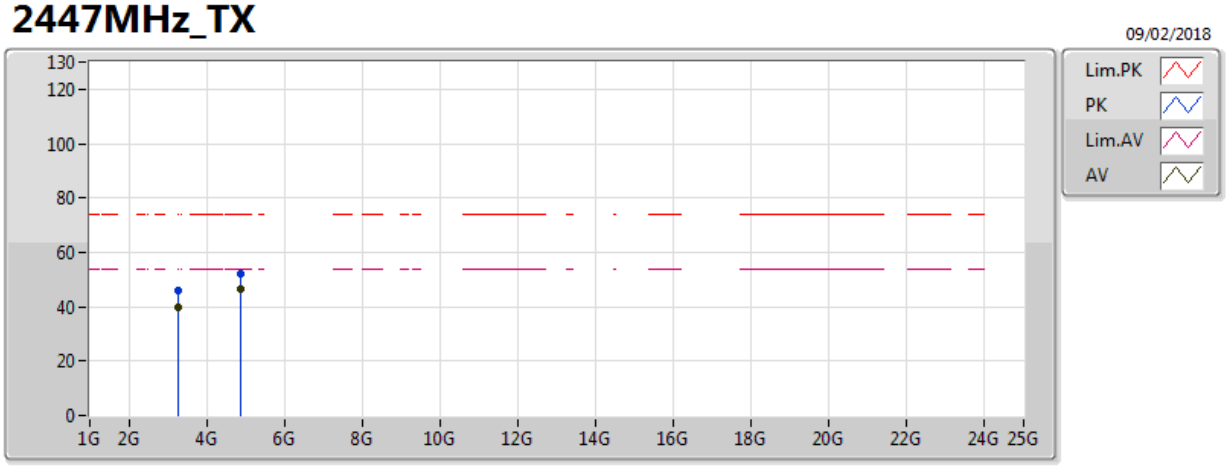


20180207
EUT Z 2TX(Dipole)
Setting 20
06-J-6
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3862G	45.87	54.00	-8.13	32.11	3	Vertical	320	1.46	-
AV	2.4462G	105.73	Inf	-Inf	32.30	3	Vertical	320	1.46	-
AV	2.4846G	53.77	54.00	-0.23	32.42	3	Vertical	320	1.46	-
PK	2.3858G	58.70	74.00	-15.30	32.10	3	Vertical	320	1.46	-
PK	2.4414G	117.19	Inf	-Inf	32.28	3	Vertical	320	1.46	-
PK	2.4858G	71.44	74.00	-2.56	32.43	3	Vertical	320	1.46	-

802.11g_Nss1,(6Mbps)_2TX

2447MHz_TX

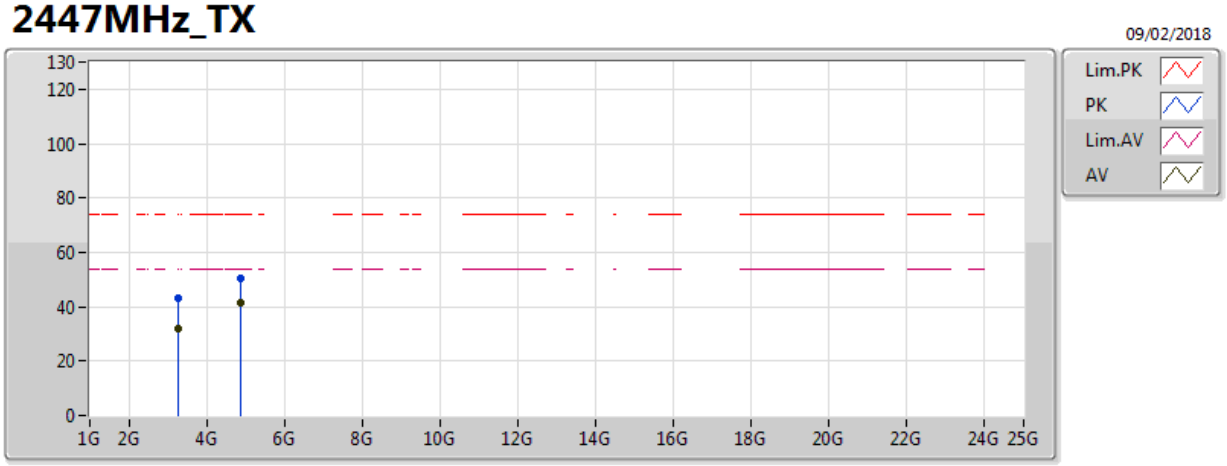


20180207
EUT Z 2TX(Dipole)
Setting 20
06-J-6
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	3.262607G	40.04	54.00	-13.96	1.57	3	Vertical	337	2.77	-
AV	4.894G	46.24	54.00	-7.76	4.29	3	Vertical	180	1.12	-
PK	3.262647G	46.17	74.00	-27.83	1.57	3	Vertical	337	2.77	-
PK	4.89382G	52.30	74.00	-21.70	4.28	3	Vertical	180	1.12	-

802.11g_Nss1,(6Mbps)_2TX

2447MHz_TX

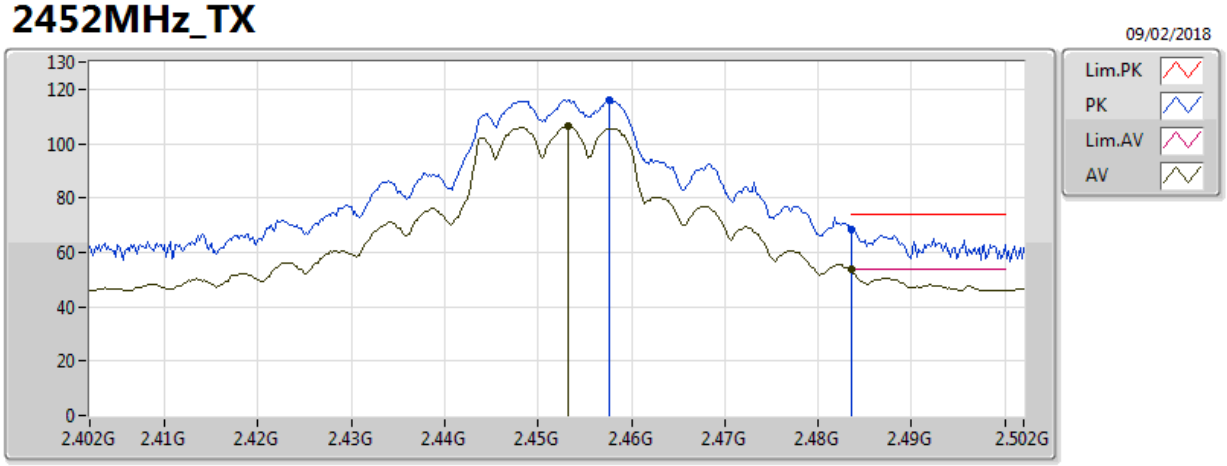


20180207
EUT Z 2TX(Dipole)
Setting 20
06-J-6
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	3.262577G	32.01	54.00	-21.99	1.57	3	Horizontal	97	1.29	-
AV	4.894G	41.64	54.00	-12.36	4.29	3	Horizontal	148	1.08	-
PK	3.262807G	43.03	74.00	-30.97	1.57	3	Horizontal	97	1.29	-
PK	4.89382G	50.65	74.00	-23.35	4.28	3	Horizontal	148	1.08	-

802.11g_Nss1,(6Mbps)_2TX

2452MHz_TX

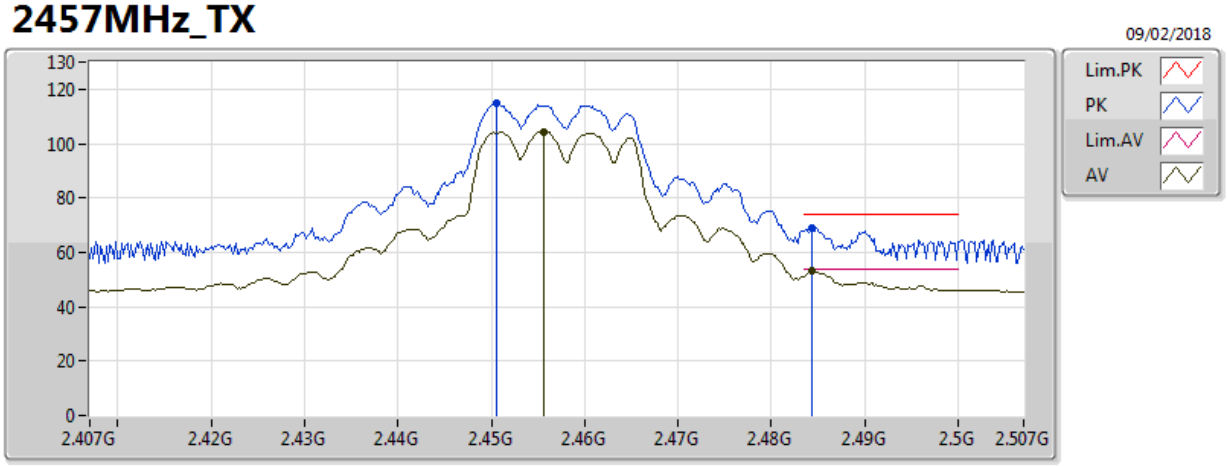


20180208
EUT Z 2TX(Dipole)
Setting 18
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4532G	106.59	Inf	-Inf	31.08	3	Vertical	313	1.24	-
AV	2.483502G	53.56	54.00	-0.44	31.17	3	Vertical	313	1.24	-
PK	2.4576G	116.09	Inf	-Inf	31.10	3	Vertical	313	1.24	-
PK	2.483502G	68.49	74.00	-5.51	31.17	3	Vertical	313	1.24	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

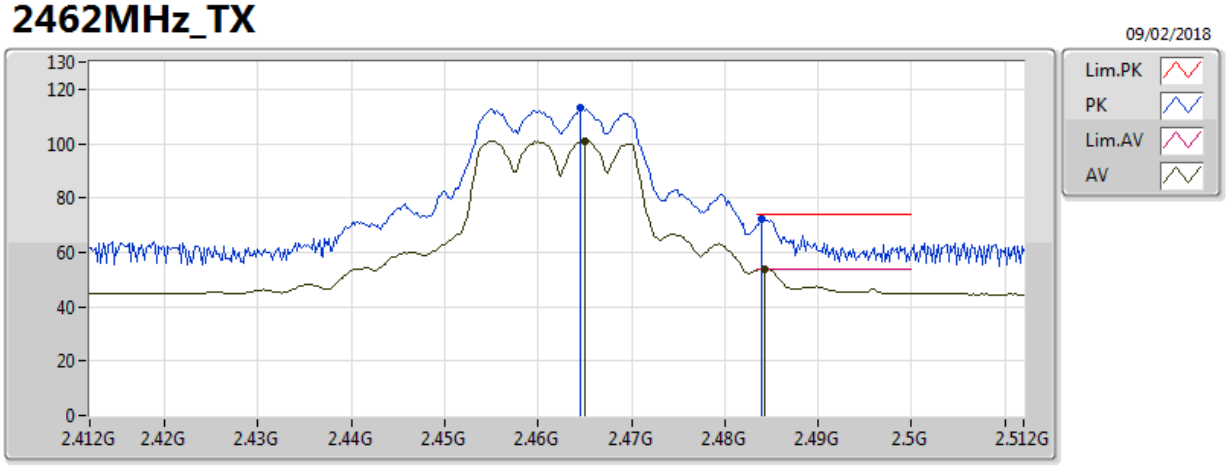


20180208
EUT Z 2TX(Dipole)
Setting 16
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4556G	104.48	Inf	-Inf	31.09	3	Vertical	314	1.27	-
AV	2.4844G	53.09	54.00	-0.91	31.17	3	Vertical	314	1.27	-
PK	2.4506G	114.95	Inf	-Inf	31.08	3	Vertical	314	1.27	-
PK	2.4844G	68.88	74.00	-5.12	31.17	3	Vertical	314	1.27	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX



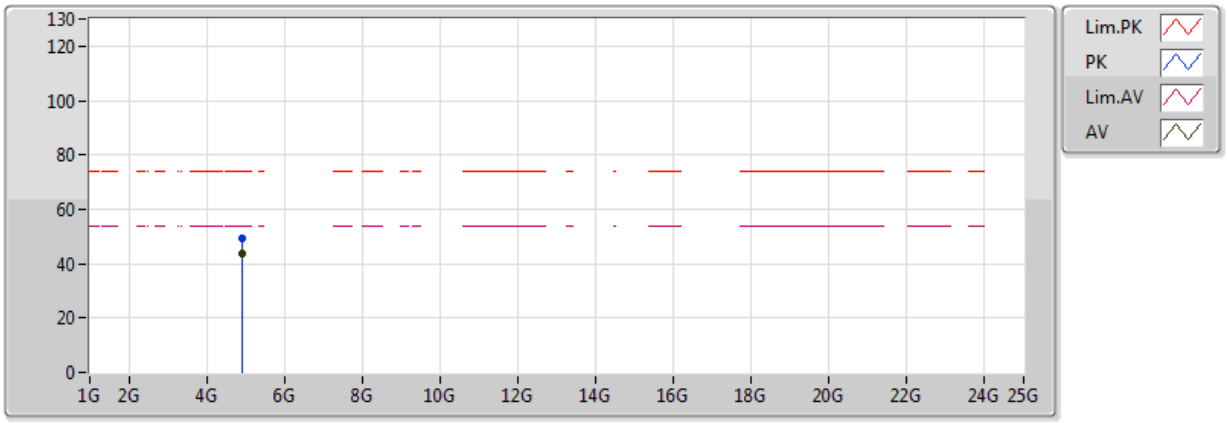
20180208
EUT Z 2TX(Dipole)
Setting 14
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.465G	100.96	Inf	-Inf	31.12	3	Vertical	312	1.24	-
AV	2.4842G	53.91	54.00	-0.09	31.17	3	Vertical	312	1.24	-
PK	2.4646G	112.97	Inf	-Inf	31.12	3	Vertical	312	1.24	-
PK	2.484G	72.45	74.00	-1.55	31.17	3	Vertical	312	1.24	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

09/02/2018

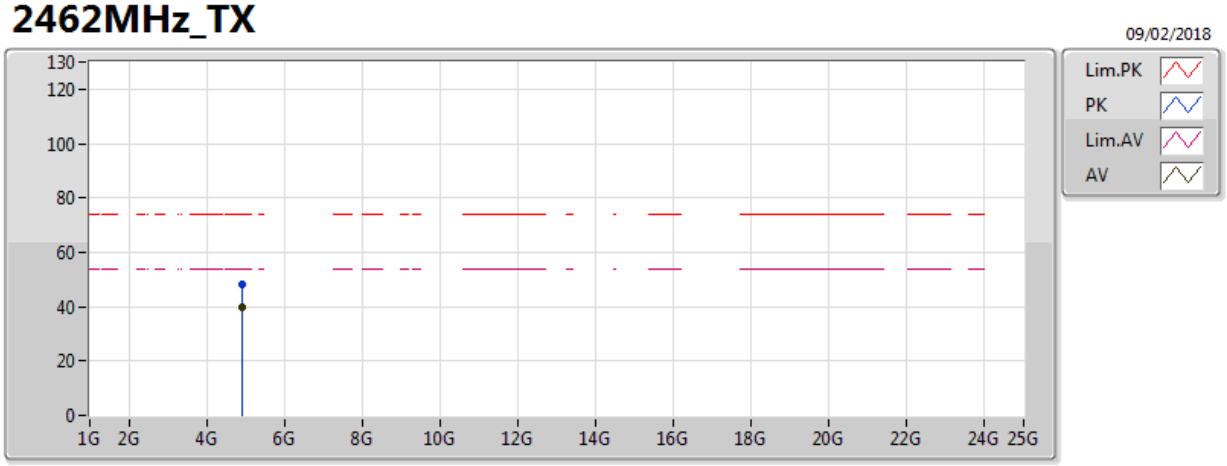


20180208
EUT Z 2TX(Dipole)
Setting 14
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92394G	43.75	54.00	-10.25	4.40	3	Vertical	180	1.09	-
PK	4.92404G	49.55	74.00	-24.45	4.40	3	Vertical	180	1.09	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

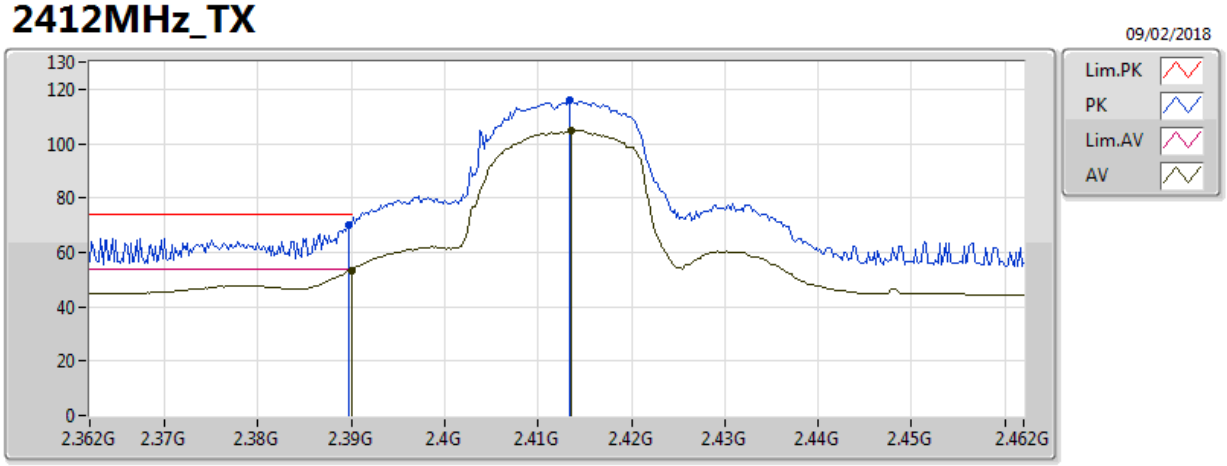


20180208
EUT Z 2TX(Dipole)
Setting 14
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92394G	39.73	54.00	-14.27	4.34	3	Horizontal	147	1.03	-
PK	4.92384G	48.04	74.00	-25.96	4.34	3	Horizontal	147	1.03	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

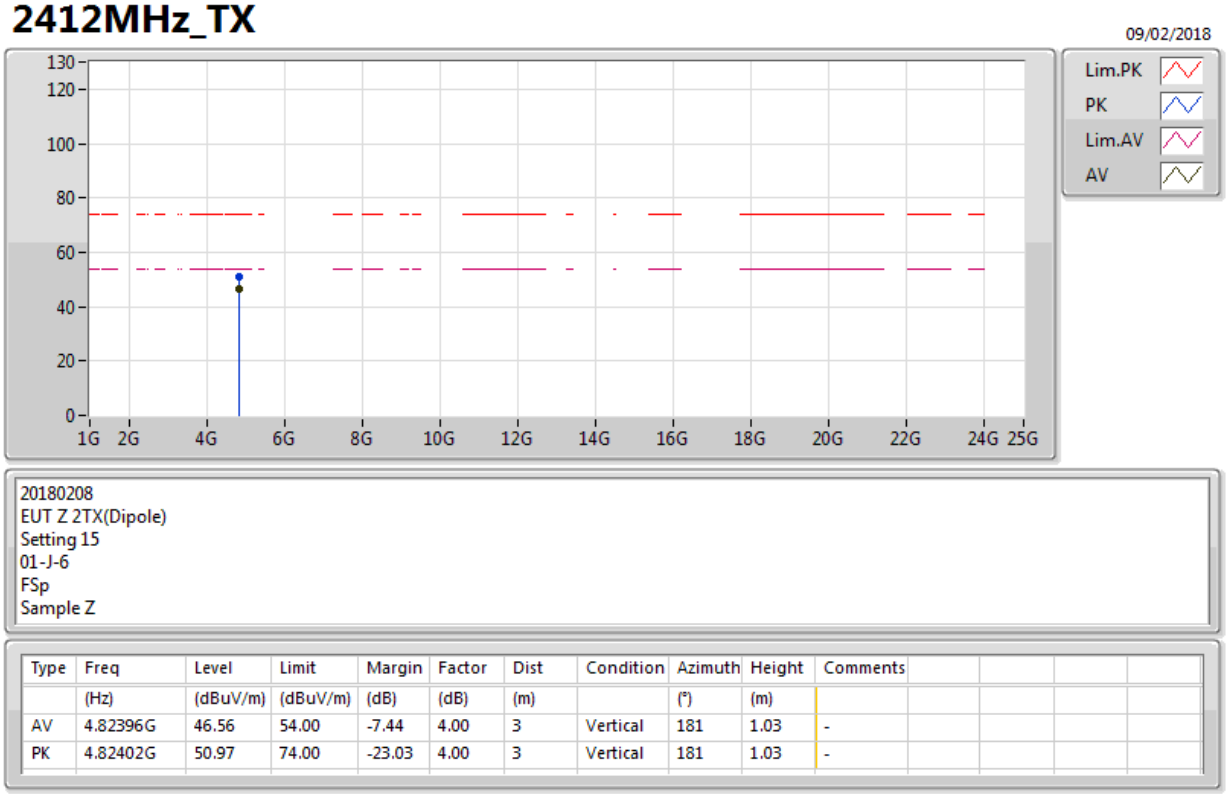


20180208
EUT Z 2TX(Dipole)
Setting 15
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.38	54.00	-0.62	30.96	3	Vertical	8	1.12	-
AV	2.4136G	104.88	Inf	-Inf	30.97	3	Vertical	8	1.12	-
PK	2.3898G	70.11	74.00	-3.89	30.96	3	Vertical	8	1.12	-
PK	2.4134G	116.13	Inf	-Inf	30.97	3	Vertical	8	1.12	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

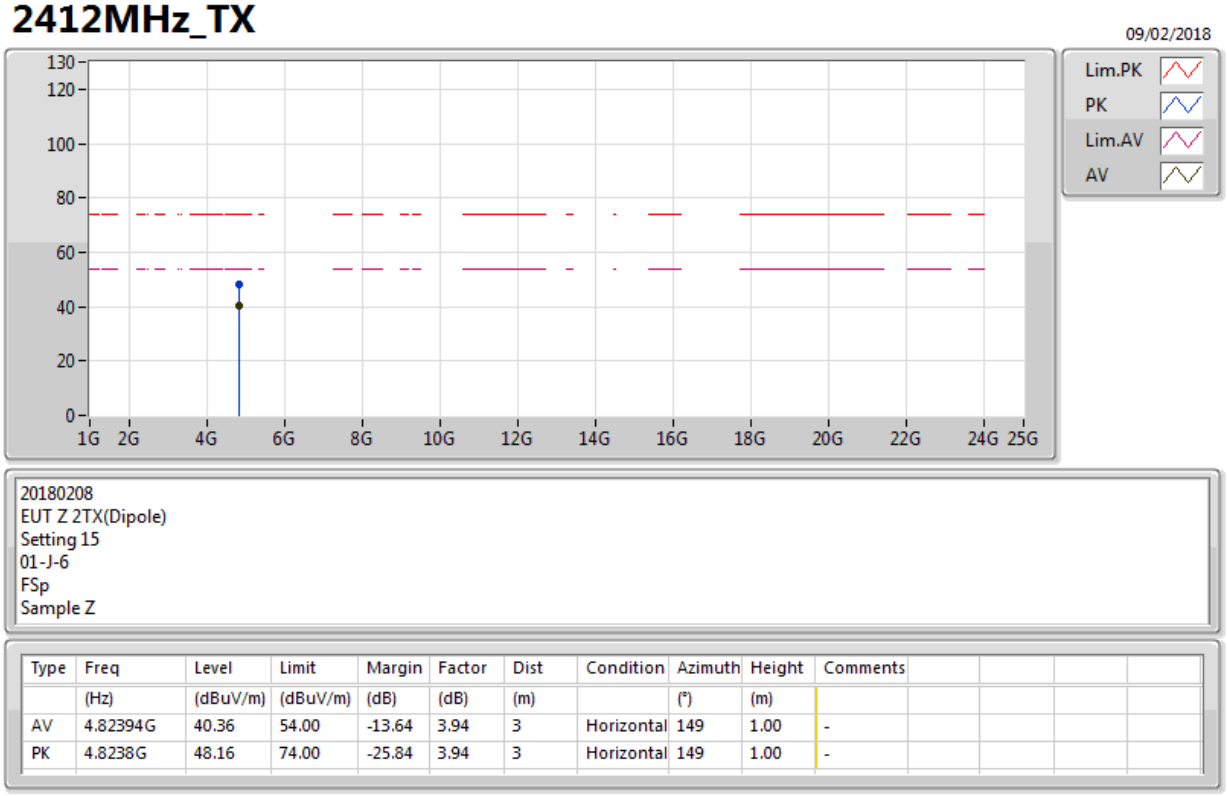


20180208
EUT Z 2TX(Dipole)
Setting 15
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82396G	46.56	54.00	-7.44	4.00	3	Vertical	181	1.03	-
PK	4.82402G	50.97	74.00	-23.03	4.00	3	Vertical	181	1.03	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

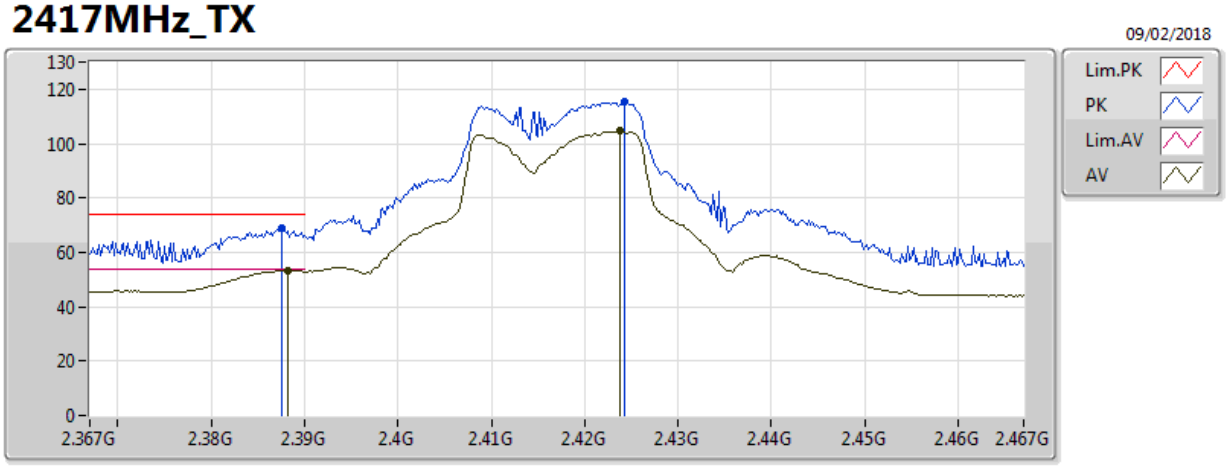


20180208
EUT Z 2TX(Dipole)
Setting 15
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82394G	40.36	54.00	-13.64	3.94	3	Horizontal	149	1.00	-
PK	4.8238G	48.16	74.00	-25.84	3.94	3	Horizontal	149	1.00	-

802.11n HT20_Nss1,(MCS0)_2TX

2417MHz_TX

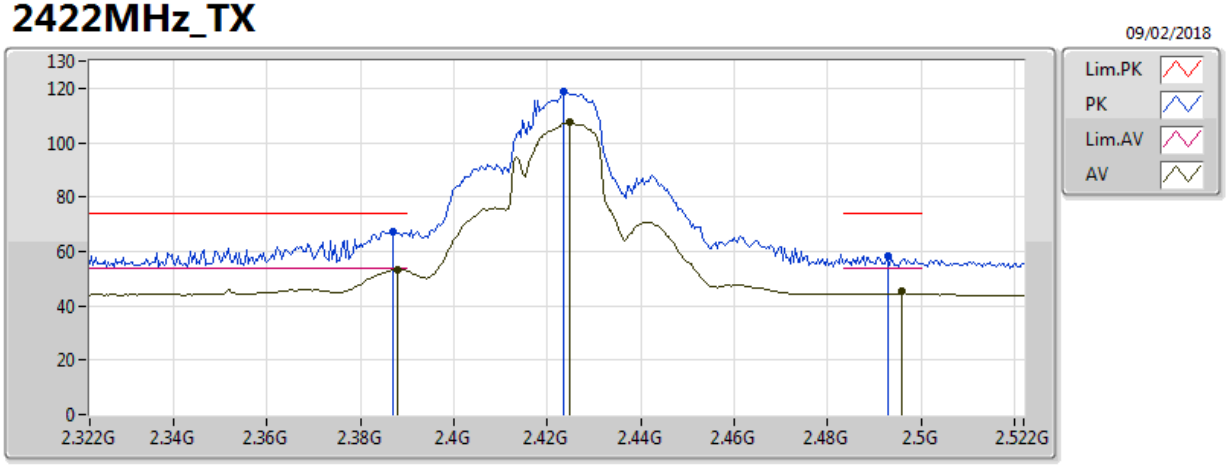


20180208
EUT Z 2TX(Dipole)
Setting 17
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3882G	53.42	54.00	-0.58	30.97	3	Vertical	2	1.13	-
AV	2.4238G	104.56	Inf	-Inf	31.00	3	Vertical	2	1.13	-
PK	2.3876G	68.65	74.00	-5.35	30.97	3	Vertical	2	1.13	-
PK	2.4242G	115.44	Inf	-Inf	31.00	3	Vertical	2	1.13	-

802.11n HT20_Nss1,(MCS0)_2TX

2422MHz_TX

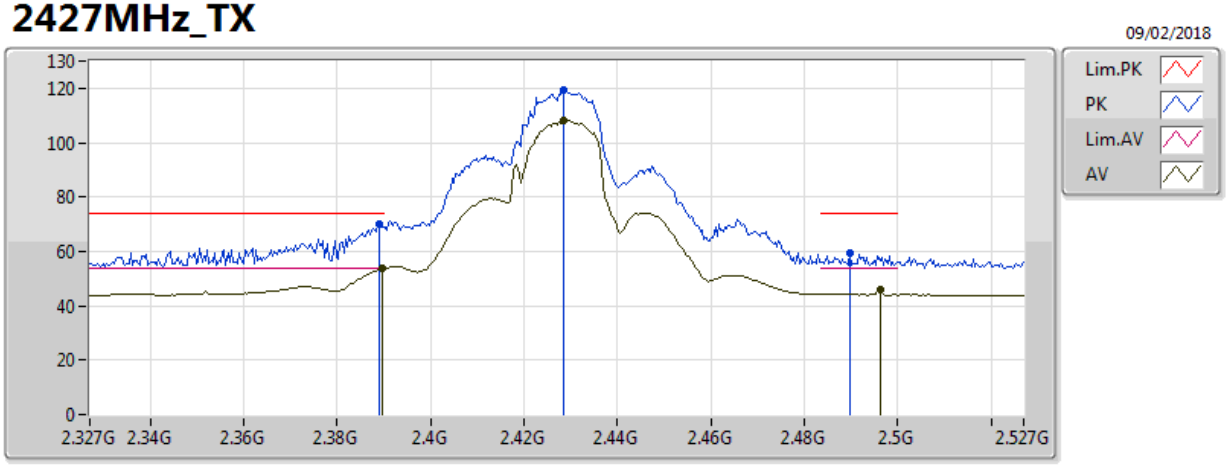


20180208
EUT Z 2TX(Dipole)
Setting 18.5
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.388G	53.37	54.00	-0.63	30.97	3	Vertical	343	1.04	-
AV	2.4248G	107.39	Inf	-Inf	31.00	3	Vertical	343	1.04	-
AV	2.496G	45.45	54.00	-8.55	31.21	3	Vertical	343	1.04	-
PK	2.3868G	67.25	74.00	-6.75	30.97	3	Vertical	343	1.04	-
PK	2.4236G	118.69	Inf	-Inf	31.00	3	Vertical	343	1.04	-
PK	2.4928G	58.46	74.00	-15.54	31.20	3	Vertical	343	1.04	-

802.11n HT20_Nss1,(MCS0)_2TX

2427MHz_TX

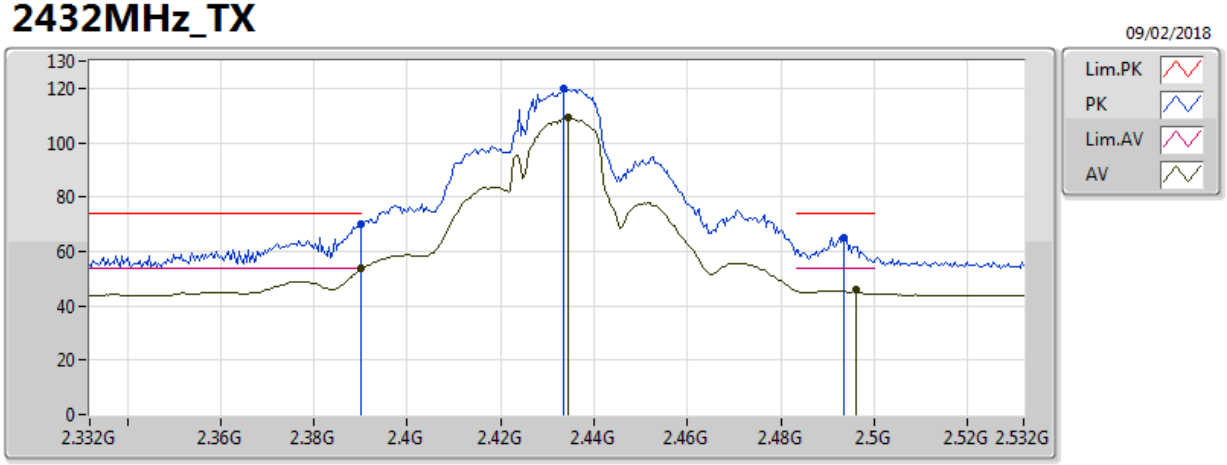


20180208
EUT Z 2TX(Dipole)
Setting 19.5
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	53.64	54.00	-0.36	30.96	3	Vertical	342	1.25	-
AV	2.4286G	108.03	Inf	-Inf	31.01	3	Vertical	342	1.25	-
AV	2.4962G	45.73	54.00	-8.27	31.21	3	Vertical	342	1.25	-
PK	2.389G	69.80	74.00	-4.20	30.96	3	Vertical	342	1.25	-
PK	2.4286G	119.22	Inf	-Inf	31.01	3	Vertical	342	1.25	-
PK	2.4898G	59.30	74.00	-14.70	31.19	3	Vertical	342	1.25	-

802.11n HT20_Nss1,(MCS0)_2TX

2432MHz_TX

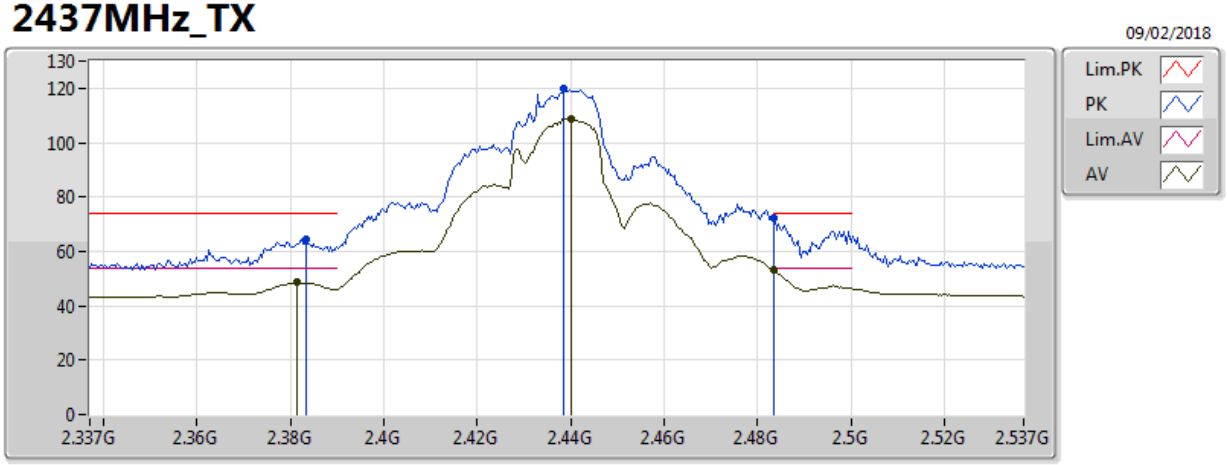


20180208
EUT Z 2TX(Dipole)
Setting 21
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.54	54.00	-0.46	30.96	3	Vertical	343	1.23	-
AV	2.4344G	109.14	Inf	-Inf	31.03	3	Vertical	343	1.23	-
AV	2.496G	45.84	54.00	-8.16	31.21	3	Vertical	343	1.23	-
PK	2.389998G	69.96	74.00	-4.04	30.96	3	Vertical	343	1.23	-
PK	2.4336G	120.10	Inf	-Inf	31.03	3	Vertical	343	1.23	-
PK	2.4936G	64.95	74.00	-9.05	31.20	3	Vertical	343	1.23	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

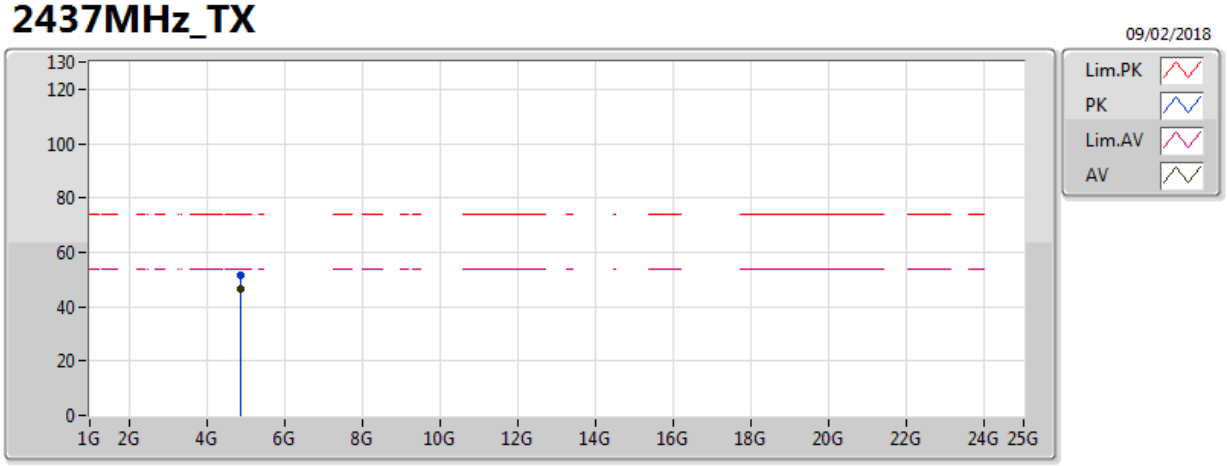


20180208
EUT Z 2TX(Dipole)
Setting 21.5
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3814G	48.53	54.00	-5.47	30.99	3	Vertical	312	1.38	-
AV	2.4402G	108.89	Inf	-Inf	31.05	3	Vertical	312	1.38	-
AV	2.483502G	53.19	54.00	-0.81	31.17	3	Vertical	312	1.38	-
PK	2.3834G	64.30	74.00	-9.70	30.98	3	Vertical	312	1.38	-
PK	2.4386G	120.15	Inf	-Inf	31.04	3	Vertical	312	1.38	-
PK	2.483502G	72.13	74.00	-1.87	31.17	3	Vertical	312	1.38	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

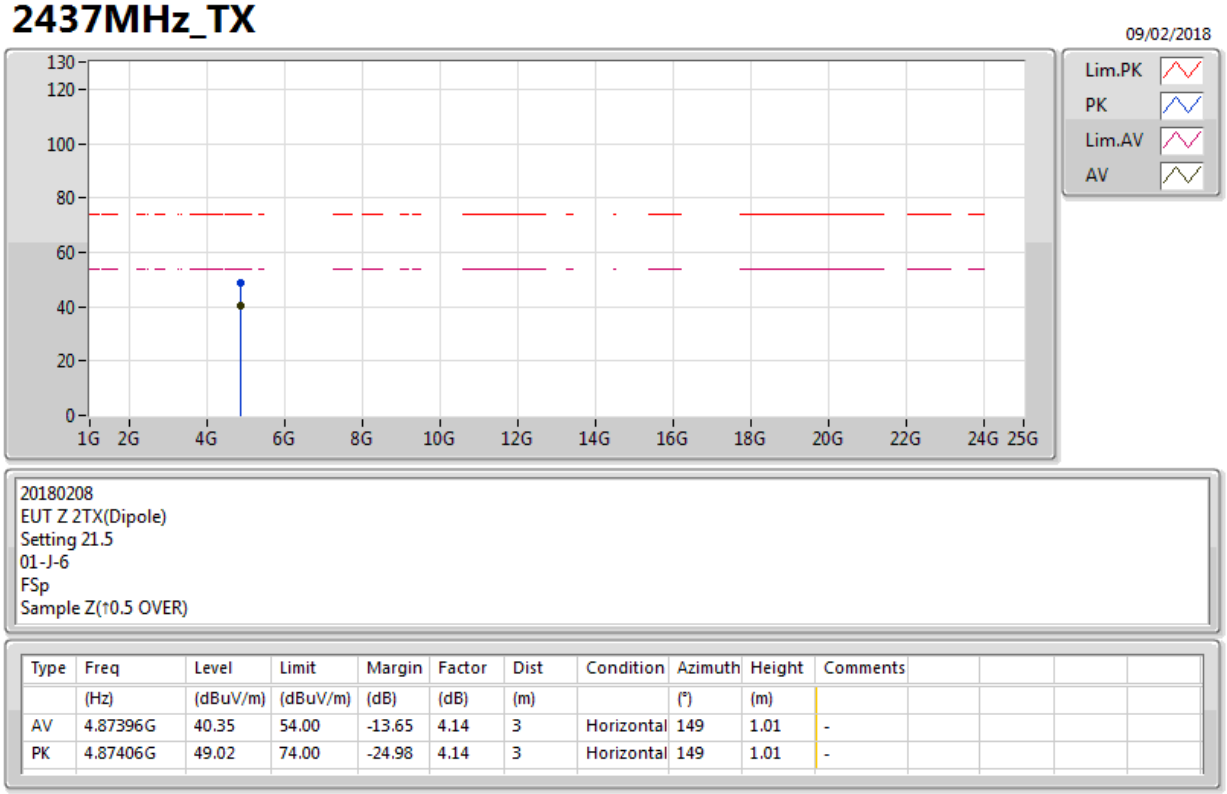


20180208
EUT Z 2TX(Dipole)
Setting 21.5
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87392G	46.27	54.00	-7.73	4.20	3	Vertical	180	1.15	-
PK	4.87392G	51.36	74.00	-22.64	4.20	3	Vertical	180	1.15	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

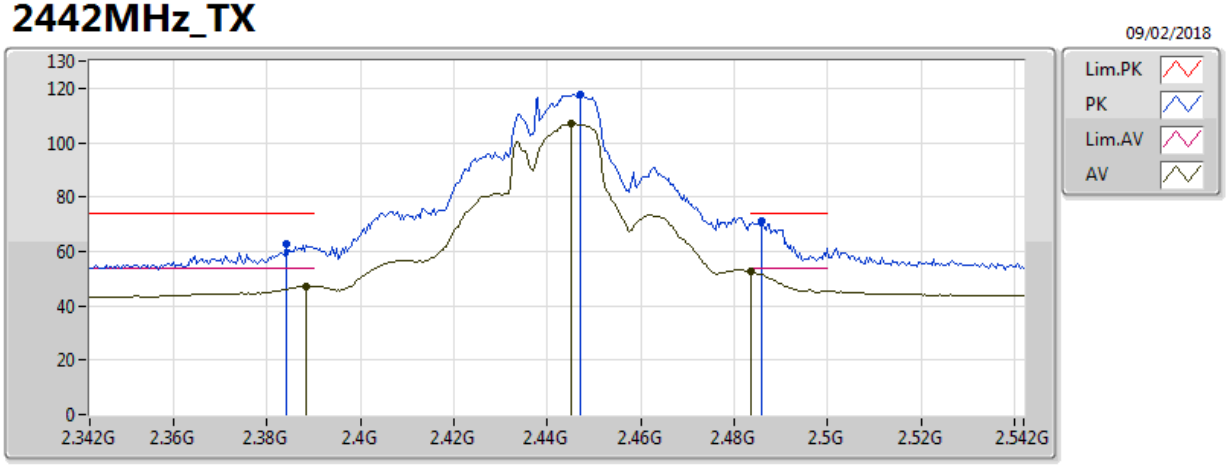


20180208
EUT Z 2TX(Dipole)
Setting 21.5
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87396G	40.35	54.00	-13.65	4.14	3	Horizontal	149	1.01	-
PK	4.87406G	49.02	74.00	-24.98	4.14	3	Horizontal	149	1.01	-

802.11n HT20_Nss1,(MCS0)_2TX

2442MHz_TX

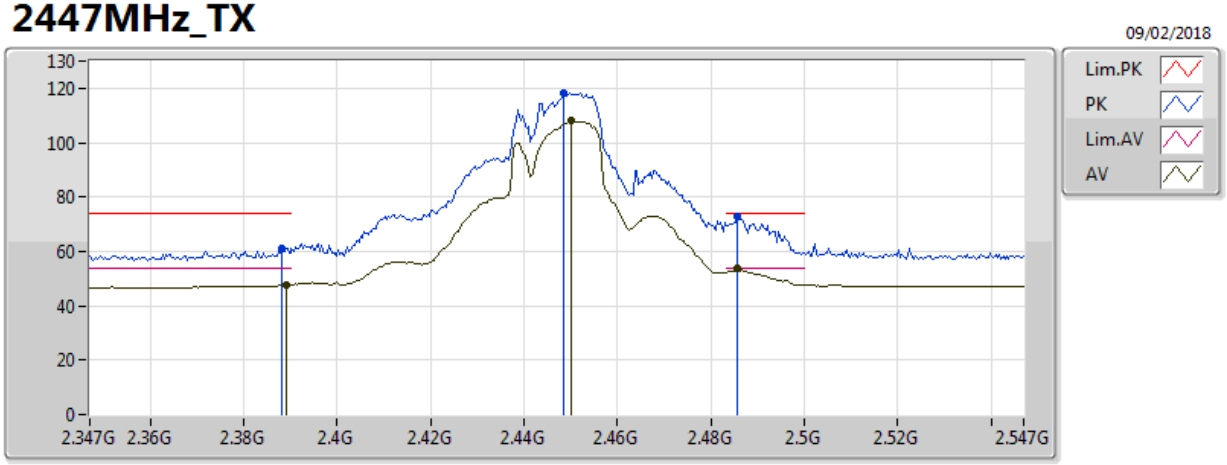


20180208
EUT Z 2TX(Dipole)
Setting 20
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3884G	47.32	54.00	-6.68	30.96	3	Vertical	315	1.36	-
AV	2.4452G	107.06	Inf	-Inf	31.06	3	Vertical	315	1.36	-
AV	2.4836G	52.41	54.00	-1.59	31.17	3	Vertical	315	1.36	-
PK	2.384G	62.76	74.00	-11.24	30.98	3	Vertical	315	1.36	-
PK	2.4472G	117.85	Inf	-Inf	31.07	3	Vertical	315	1.36	-
PK	2.486G	71.28	74.00	-2.72	31.18	3	Vertical	315	1.36	-

802.11n HT20_Nss1,(MCS0)_2TX

2447MHz_TX

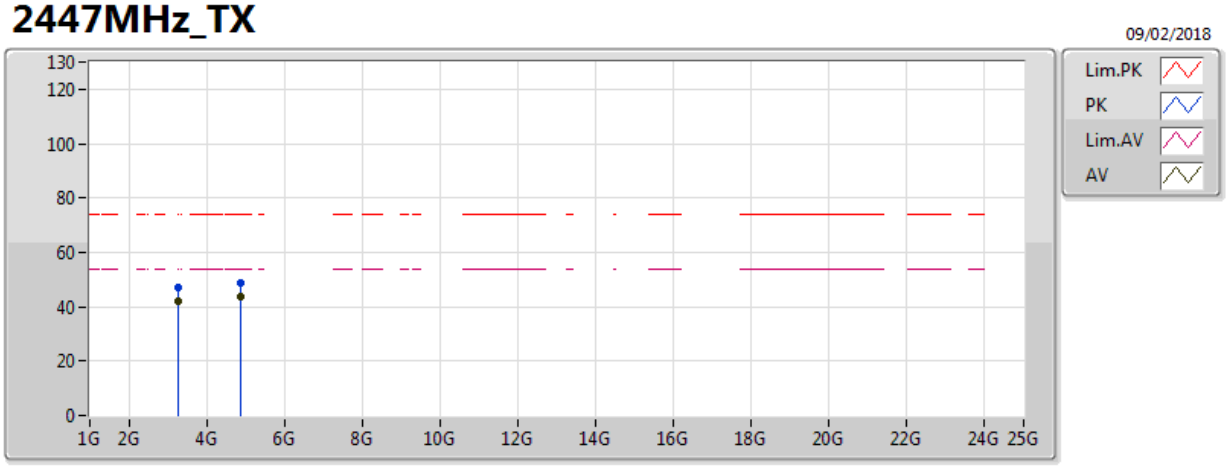


20180207
EUT Z 2TX(Dipole)
Setting 19.5
01-E-2
FSU
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389G	47.82	54.00	-6.18	30.96	3	Vertical	315	1.27	-
AV	2.4502G	107.91	Inf	-Inf	31.08	3	Vertical	315	1.27	-
AV	2.4858G	53.59	54.00	-0.41	31.18	3	Vertical	315	1.27	-
PK	2.3882G	61.25	74.00	-12.75	30.97	3	Vertical	315	1.27	-
PK	2.4486G	118.32	Inf	-Inf	31.07	3	Vertical	315	1.27	-
PK	2.4858G	73.09	74.00	-0.91	31.18	3	Vertical	315	1.27	-

802.11n HT20_Nss1,(MCS0)_2TX

2447MHz_TX

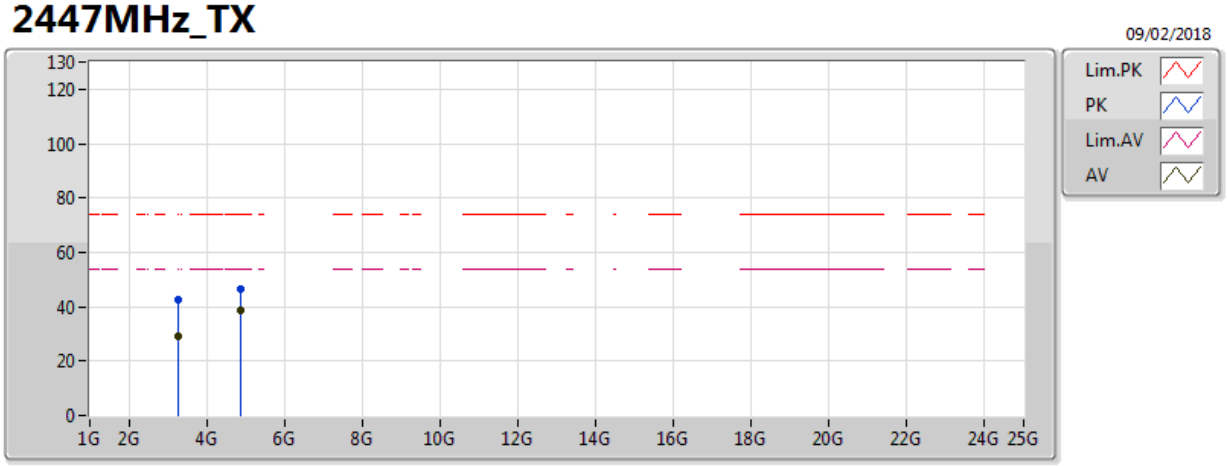


20180207
EUT Z 2TX(Dipole)
Setting 19.5
01-E-2
FSU
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	3.262607G	41.88	54.00	-12.12	-0.02	3	Vertical	336	2.64	-
AV	4.89394G	43.79	54.00	-10.21	4.29	3	Vertical	180	1.14	-
PK	3.262367G	46.91	74.00	-27.09	-0.02	3	Vertical	336	2.64	-
PK	4.894G	48.92	74.00	-25.08	4.29	3	Vertical	180	1.14	-

802.11n HT20_Nss1,(MCS0)_2TX

2447MHz_TX

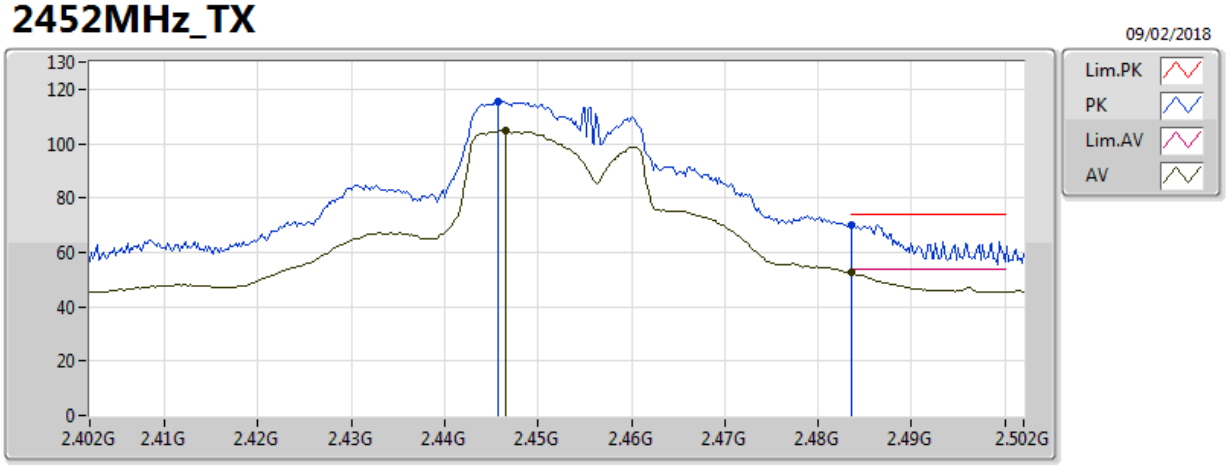


20180207
EUT Z 2TX(Dipole)
Setting 19.5
01-E-2
FSU
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	3.262607G	29.17	54.00	-24.83	-0.07	3	Horizontal	326	1.05	-
AV	4.89394G	38.51	54.00	-15.49	4.23	3	Horizontal	147	1.06	-
PK	3.264707G	42.73	74.00	-31.27	-0.06	3	Horizontal	326	1.05	-
PK	4.89418G	46.69	74.00	-27.31	4.23	3	Horizontal	147	1.06	-

802.11n HT20_Nss1,(MCS0)_2TX

2452MHz_TX

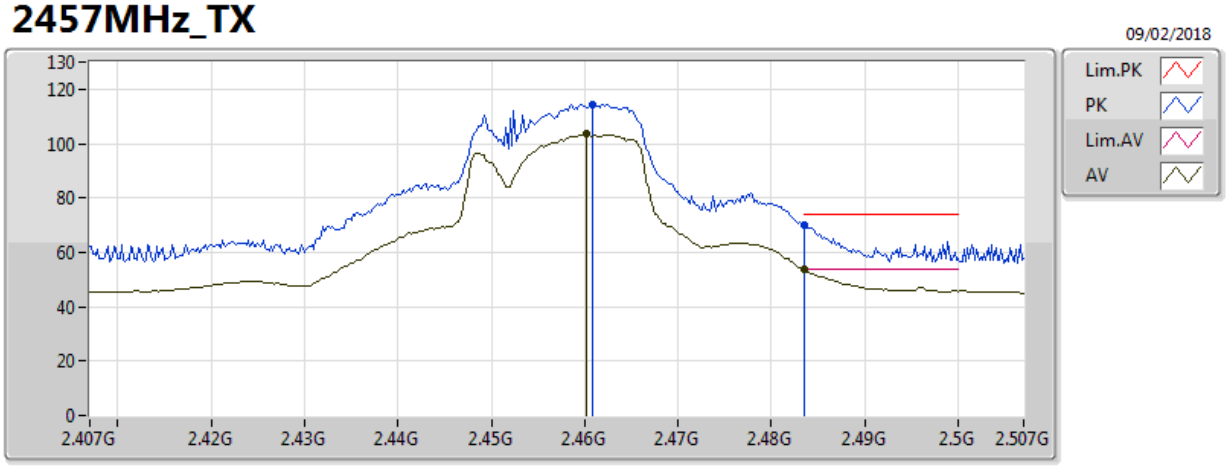


20180208
EUT Z 2TX(Dipole)
Setting 17
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4466G	104.68	Inf	-Inf	31.07	3	Vertical	314	1.30	-
AV	2.483502G	52.77	54.00	-1.23	31.17	3	Vertical	314	1.30	-
PK	2.4458G	115.67	Inf	-Inf	31.06	3	Vertical	314	1.30	-
PK	2.4836G	69.99	74.00	-4.01	31.17	3	Vertical	314	1.30	-

802.11n HT20_Nss1,(MCS0)_2TX

2457MHz_TX

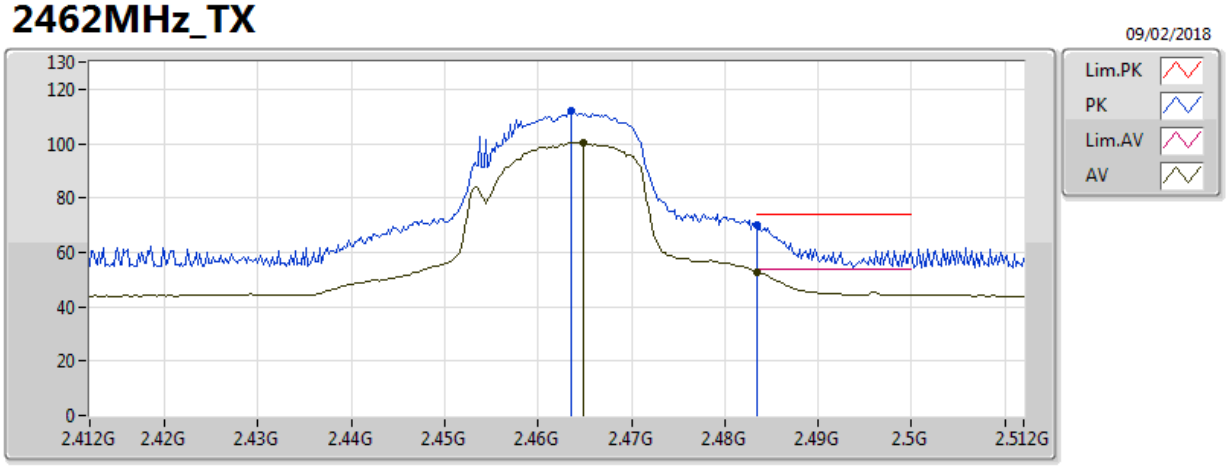


20180208
EUT Z 2TX(Dipole)
Setting 16
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4602G	103.42	Inf	-Inf	31.10	3	Vertical	315	1.24	-
AV	2.483502G	53.53	54.00	-0.47	31.17	3	Vertical	315	1.24	-
PK	2.4608G	114.29	Inf	-Inf	31.11	3	Vertical	315	1.24	-
PK	2.483502G	70.07	74.00	-3.93	31.17	3	Vertical	315	1.24	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX



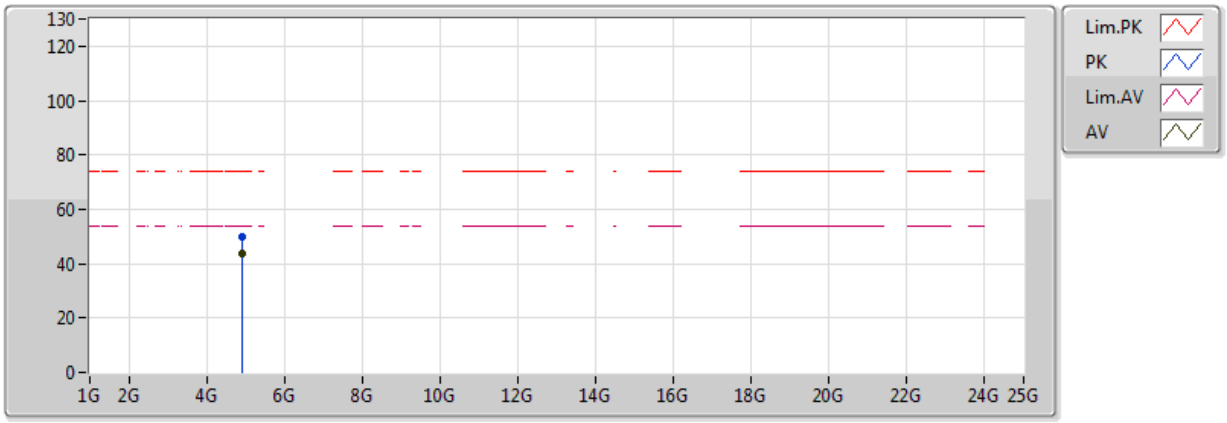
20180208
EUT Z 2TX(Dipole)
Setting 12.5
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4648G	100.57	Inf	-Inf	31.12	3	Vertical	312	1.12	-
AV	2.483502G	52.86	54.00	-1.14	31.17	3	Vertical	312	1.12	-
PK	2.4636G	112.02	Inf	-Inf	31.11	3	Vertical	312	1.12	-
PK	2.483502G	69.86	74.00	-4.14	31.17	3	Vertical	312	1.12	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

09/02/2018

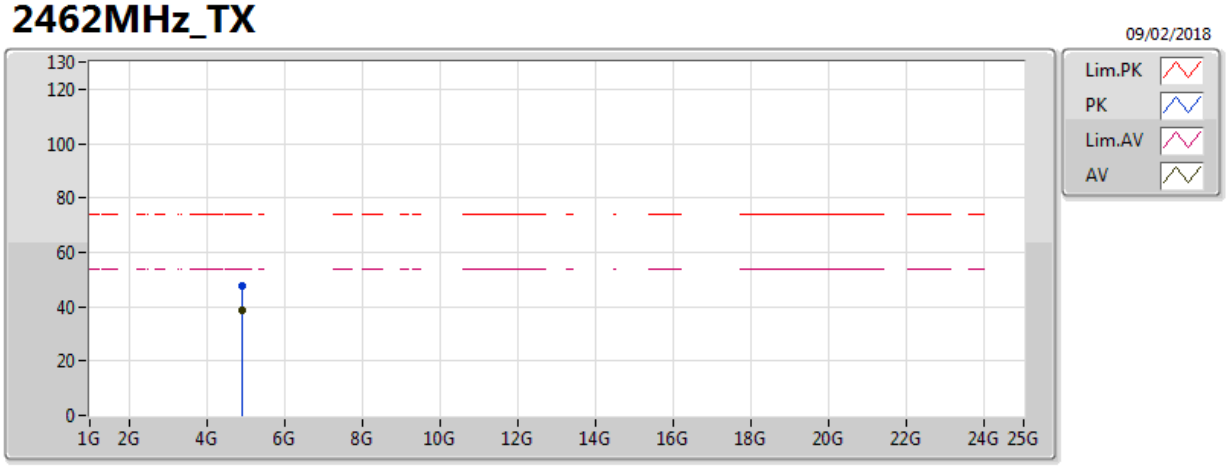


20180208
EUT Z 2TX(Dipole)
Setting 12.5
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92396G	43.72	54.00	-10.28	4.40	3	Vertical	180	1.11	-
PK	4.92394G	49.79	74.00	-24.21	4.40	3	Vertical	180	1.11	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

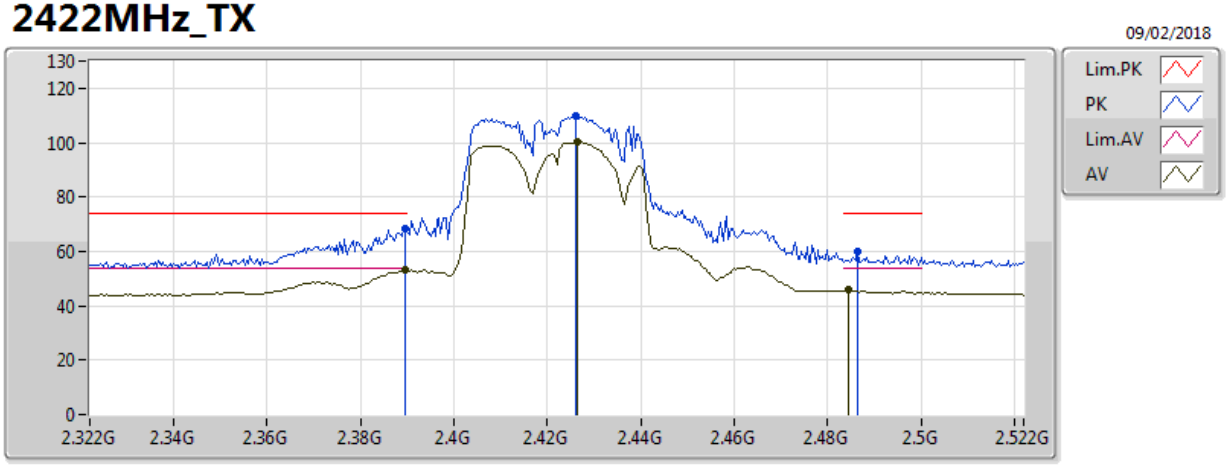


20180208
EUT Z 2TX(Dipole)
Setting 12.5
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92394G	38.79	54.00	-15.21	4.34	3	Horizontal	123	1.00	-
PK	4.92392G	47.59	74.00	-26.41	4.34	3	Horizontal	123	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

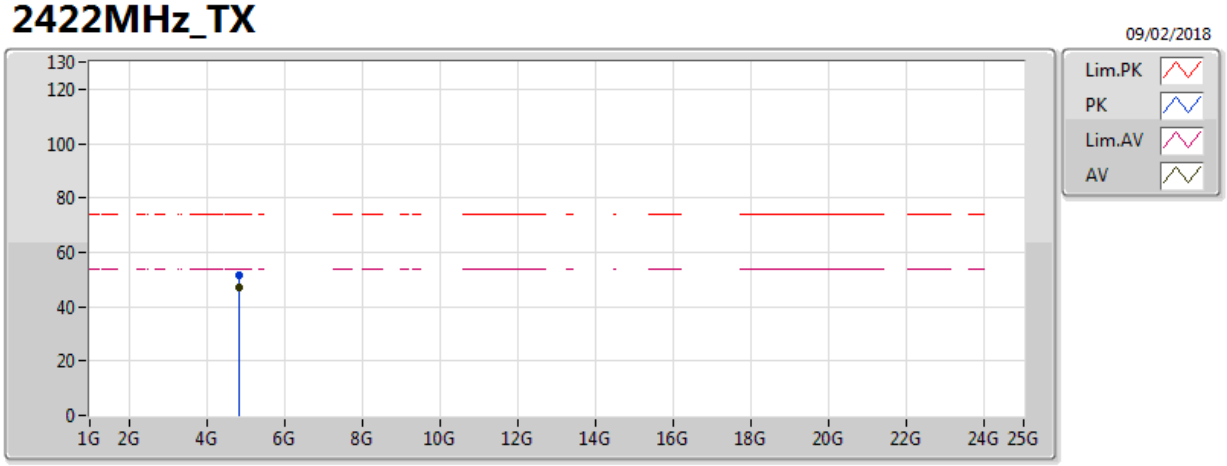


20180208
EUT Z 2TX(Dipole)
Setting 13.5
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3896G	53.24	54.00	-0.76	30.96	3	Vertical	314	1.44	-
AV	2.4264G	100.38	Inf	-Inf	31.01	3	Vertical	314	1.44	-
AV	2.4844G	45.71	54.00	-8.29	31.17	3	Vertical	314	1.44	-
PK	2.3896G	68.15	74.00	-5.85	30.96	3	Vertical	314	1.44	-
PK	2.426G	109.56	Inf	-Inf	31.01	3	Vertical	314	1.44	-
PK	2.4864G	59.78	74.00	-14.22	31.18	3	Vertical	314	1.44	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

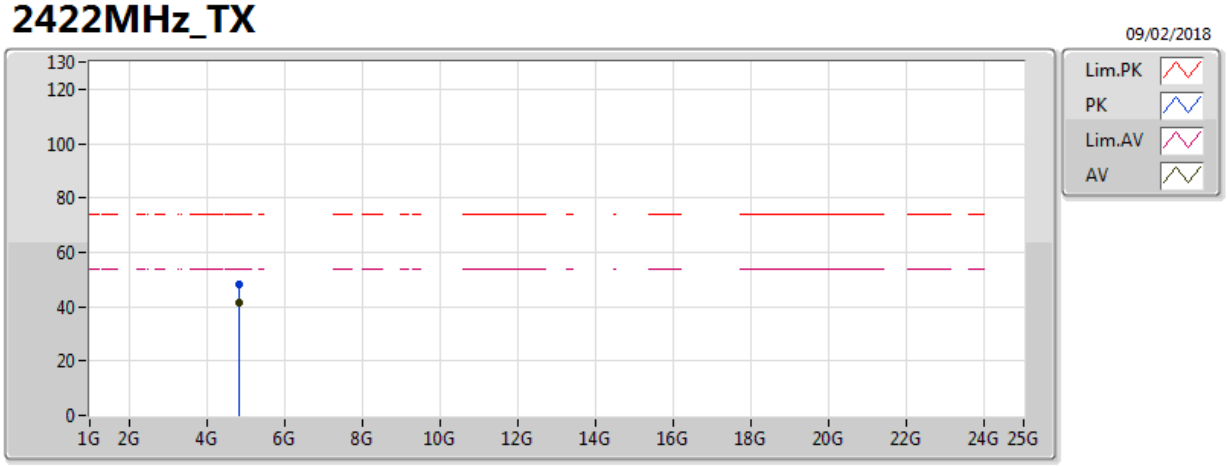


20180208
EUT Z 2TX(Dipole)
Setting 15
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.84394G	46.87	54.00	-7.13	4.08	3	Vertical	180	1.01	-
PK	4.84408G	51.34	74.00	-22.66	4.08	3	Vertical	180	1.01	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

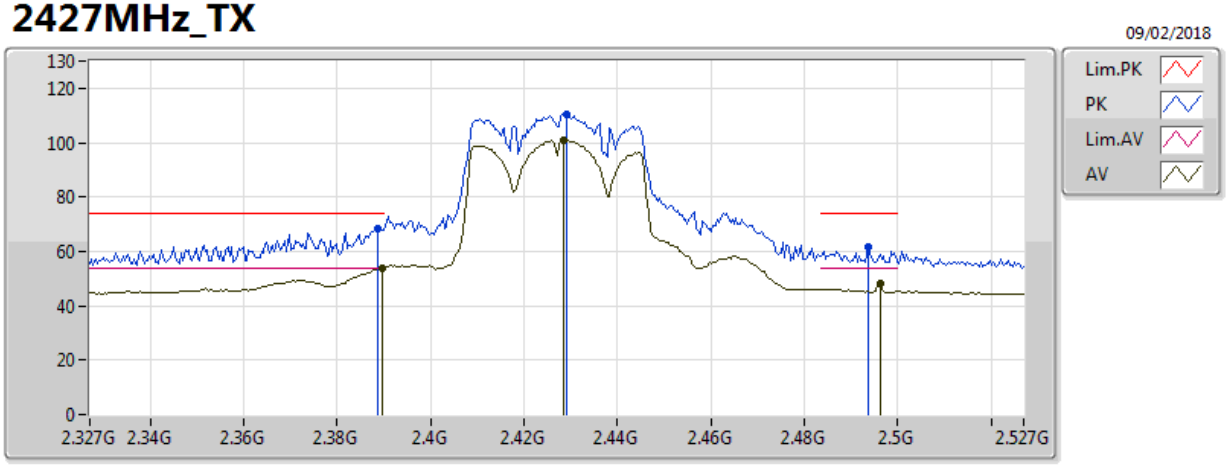


20180208
EUT Z 2TX(Dipole)
Setting 15
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.84396G	41.28	54.00	-12.72	4.02	3	Horizontal	148	1.12	-
PK	4.84398G	48.17	74.00	-25.83	4.02	3	Horizontal	148	1.12	-

802.11n HT40_Nss1,(MCS0)_2TX

2427MHz_TX

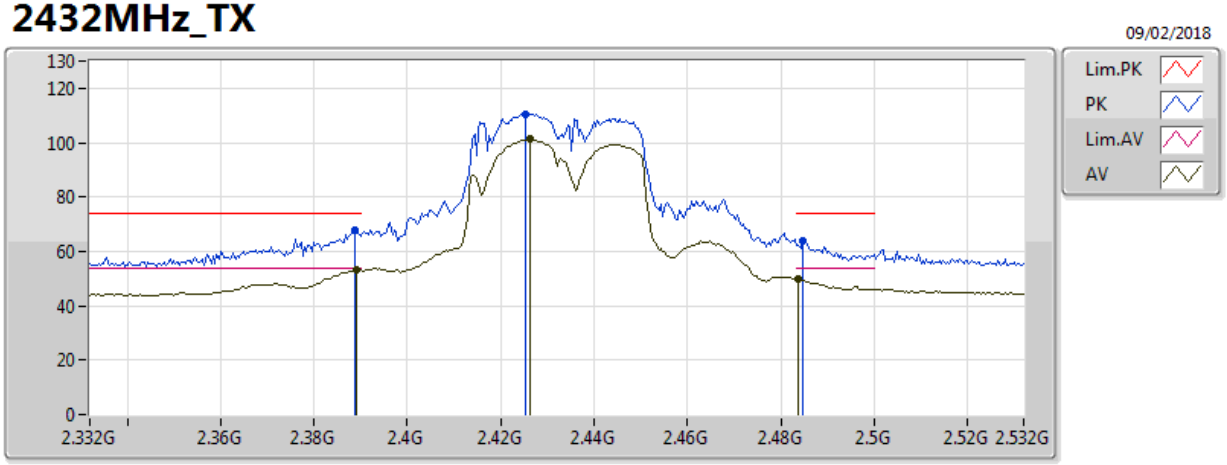


20180208
EUT Z 2TX(Dipole)
Setting 14
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	53.98	54.00	-0.02	30.96	3	Vertical	339	1.26	-
AV	2.4286G	101.12	Inf	-Inf	31.01	3	Vertical	339	1.26	-
AV	2.4962G	48.22	54.00	-5.78	31.21	3	Vertical	339	1.26	-
PK	2.3886G	68.23	74.00	-5.77	30.96	3	Vertical	339	1.26	-
PK	2.429G	110.28	Inf	-Inf	31.01	3	Vertical	339	1.26	-
PK	2.4938G	61.39	74.00	-12.61	31.20	3	Vertical	339	1.26	-

802.11n HT40_Nss1,(MCS0)_2TX

2432MHz_TX

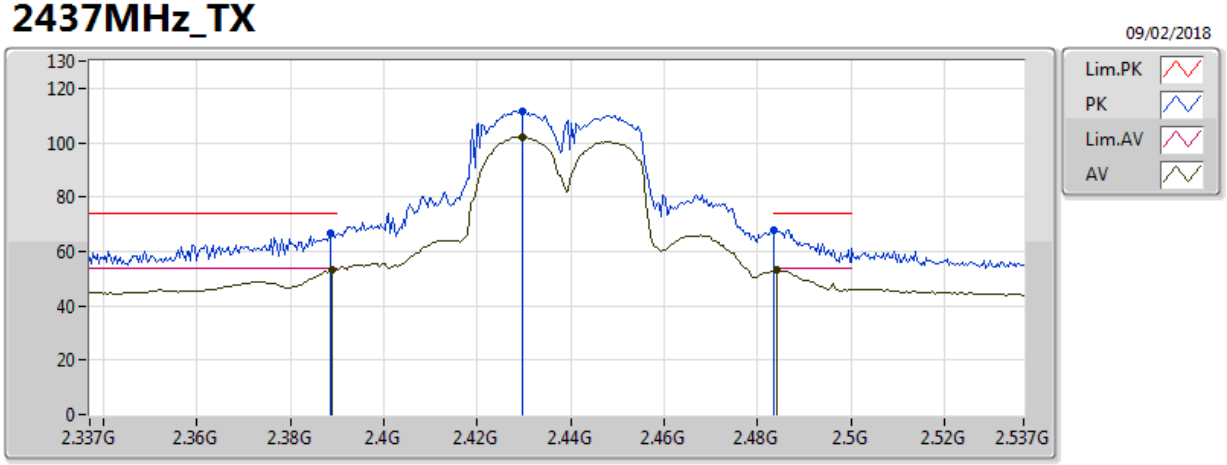


20180208
EUT Z 2TX(Dipole)
Setting 14.5
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3892G	53.33	54.00	-0.67	30.96	3	Vertical	313	1.39	-
AV	2.4264G	101.19	Inf	-Inf	31.01	3	Vertical	313	1.39	-
AV	2.4836G	49.75	54.00	-4.25	31.17	3	Vertical	313	1.39	-
PK	2.3888G	67.81	74.00	-6.19	30.96	3	Vertical	313	1.39	-
PK	2.4252G	110.39	Inf	-Inf	31.00	3	Vertical	313	1.39	-
PK	2.4848G	63.77	74.00	-10.23	31.18	3	Vertical	313	1.39	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX



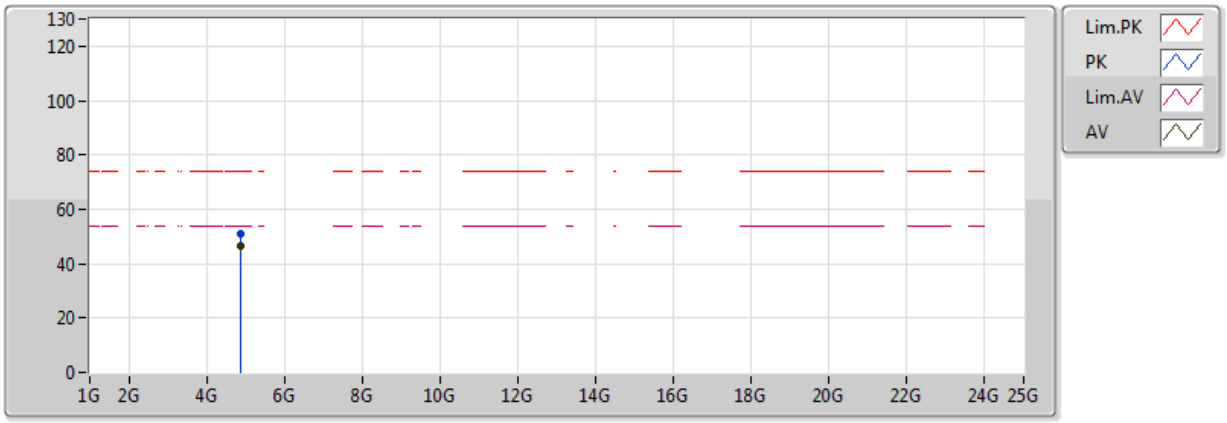
20180208
EUT Z 2TX(Dipole)
Setting 15
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389G	53.42	54.00	-0.58	30.96	3	Vertical	341	1.25	-
AV	2.4298G	102.15	Inf	-Inf	31.02	3	Vertical	341	1.25	-
AV	2.4842G	53.08	54.00	-0.92	31.17	3	Vertical	341	1.25	-
PK	2.3886G	66.89	74.00	-7.11	30.96	3	Vertical	341	1.25	-
PK	2.4298G	111.31	Inf	-Inf	31.02	3	Vertical	341	1.25	-
PK	2.483502G	67.82	74.00	-6.18	31.17	3	Vertical	341	1.25	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

09/02/2018

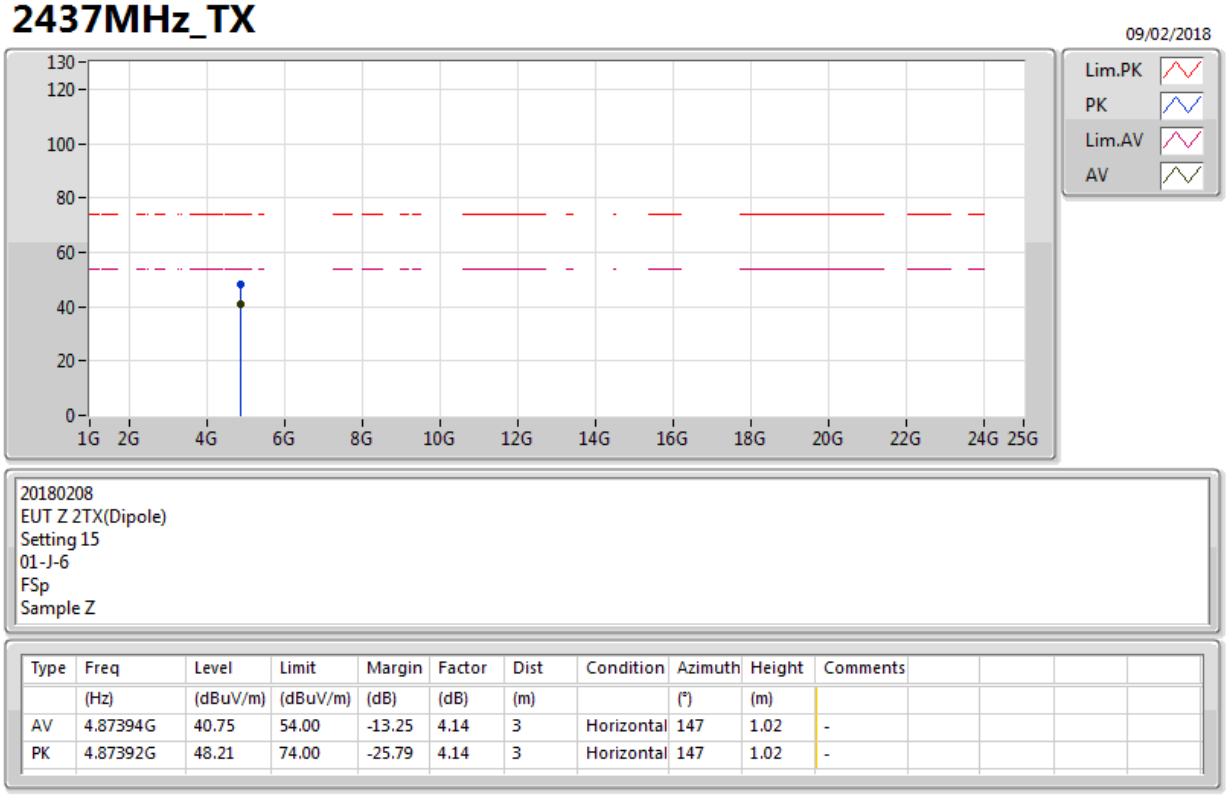


20180208
EUT Z 2TX(Dipole)
Setting 15
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87394G	46.52	54.00	-7.48	4.20	3	Vertical	181	1.25	-
PK	4.87388G	51.24	74.00	-22.76	4.20	3	Vertical	181	1.25	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

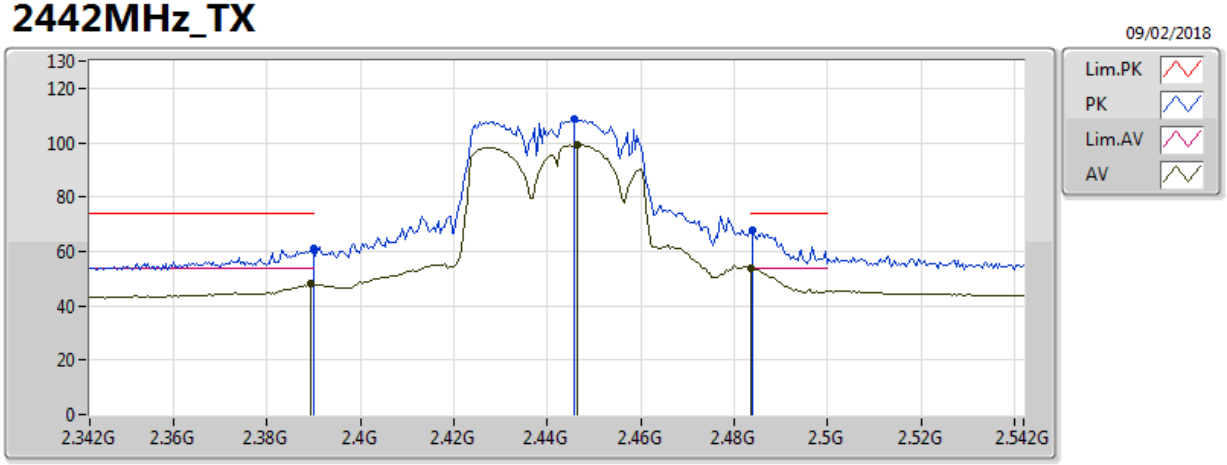


20180208
EUT Z 2TX(Dipole)
Setting 15
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87394G	40.75	54.00	-13.25	4.14	3	Horizontal	147	1.02	-
PK	4.87392G	48.21	74.00	-25.79	4.14	3	Horizontal	147	1.02	-

802.11n HT40_Nss1,(MCS0)_2TX

2442MHz_TX

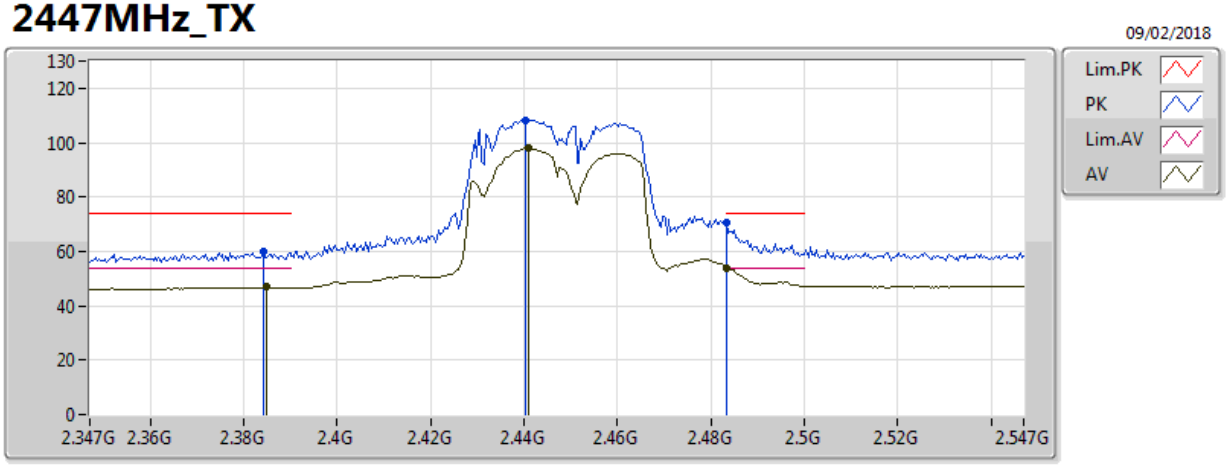


20180208
EUT Z 2TX(Dipole)
Setting 13
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3892G	48.03	54.00	-5.97	30.96	3	Vertical	314	1.30	-
AV	2.4464G	99.18	Inf	-Inf	31.06	3	Vertical	314	1.30	-
AV	2.4836G	53.84	54.00	-0.16	31.17	3	Vertical	314	1.30	-
PK	2.389998G	61.16	74.00	-12.84	30.96	3	Vertical	314	1.30	-
PK	2.4456G	108.46	Inf	-Inf	31.06	3	Vertical	314	1.30	-
PK	2.484G	67.68	74.00	-6.32	31.17	3	Vertical	314	1.30	-

802.11n HT40_Nss1,(MCS0)_2TX

2447MHz_TX

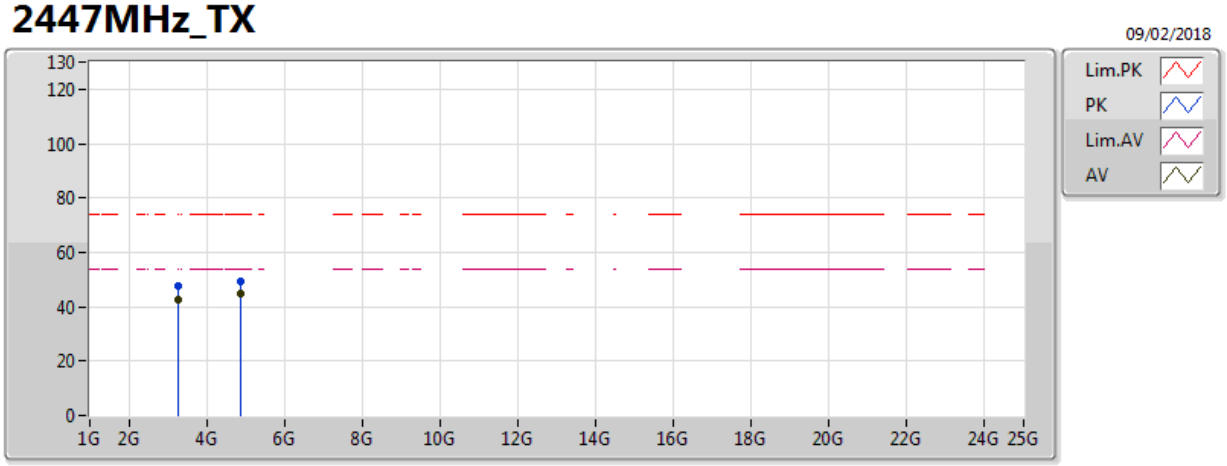


20180207
EUT Z 2TX(Dipole)
Setting 12
01-E-2
FSU
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.385G	46.89	54.00	-7.11	30.98	3	Vertical	313	1.37	-
AV	2.441G	97.89	Inf	-Inf	31.05	3	Vertical	313	1.37	-
AV	2.483502G	53.65	54.00	-0.35	31.17	3	Vertical	313	1.37	-
PK	2.3842G	59.82	74.00	-14.18	30.98	3	Vertical	313	1.37	-
PK	2.4402G	108.38	Inf	-Inf	31.05	3	Vertical	313	1.37	-
PK	2.483502G	70.66	74.00	-3.34	31.17	3	Vertical	313	1.37	-

802.11n HT40_Nss1,(MCS0)_2TX

2447MHz_TX



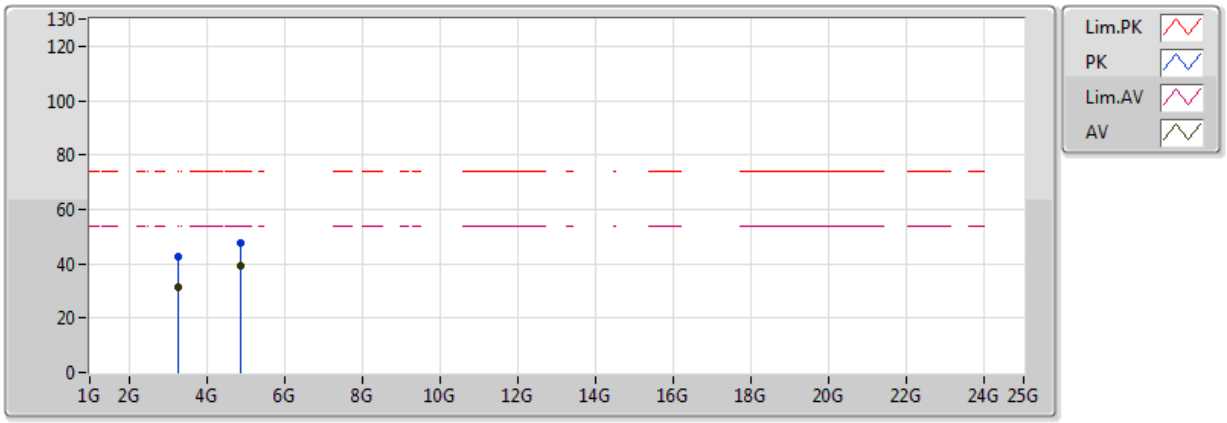
20180207
EUT Z 2TX(Dipole)
Setting 12
01-E-2
FSU
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	3.262667G	42.35	54.00	-11.65	-0.02	3	Vertical	336	2.83	-
AV	4.894G	44.66	54.00	-9.34	4.29	3	Vertical	179	1.17	-
PK	3.262727G	47.66	74.00	-26.34	-0.02	3	Vertical	336	2.83	-
PK	4.89388G	49.49	74.00	-24.51	4.28	3	Vertical	179	1.17	-

802.11n HT40_Nss1,(MCS0)_2TX

2447MHz_TX

09/02/2018

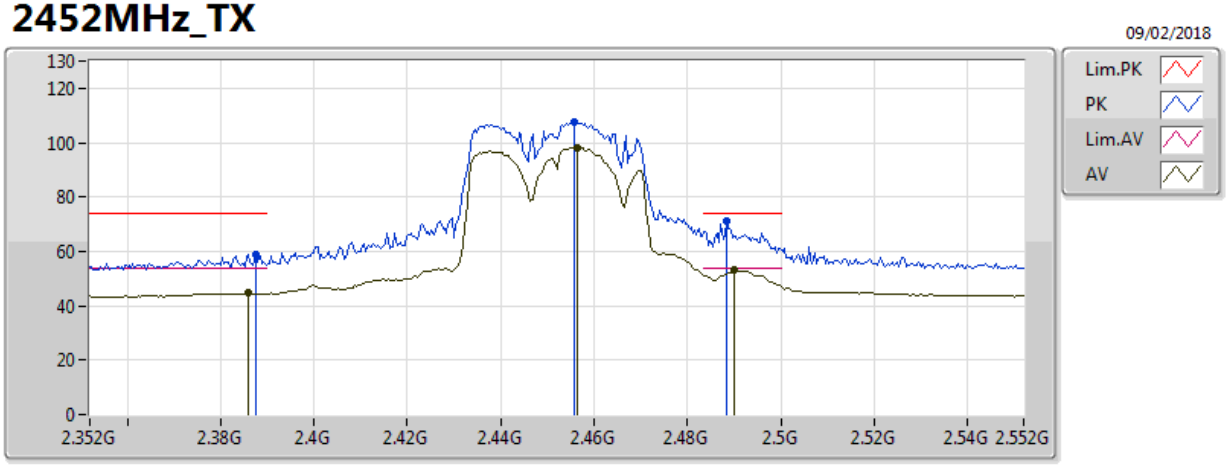


20180207
EUT Z 2TX(Dipole)
Setting 12
01-E-2
FSU
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	3.262727G	31.38	54.00	-22.62	-0.07	3	Horizontal	154	1.44	-
AV	4.894G	38.96	54.00	-15.04	4.23	3	Horizontal	148	1.00	-
PK	3.262307G	42.71	74.00	-31.29	-0.07	3	Horizontal	154	1.44	-
PK	4.894G	47.36	74.00	-26.64	4.23	3	Horizontal	148	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

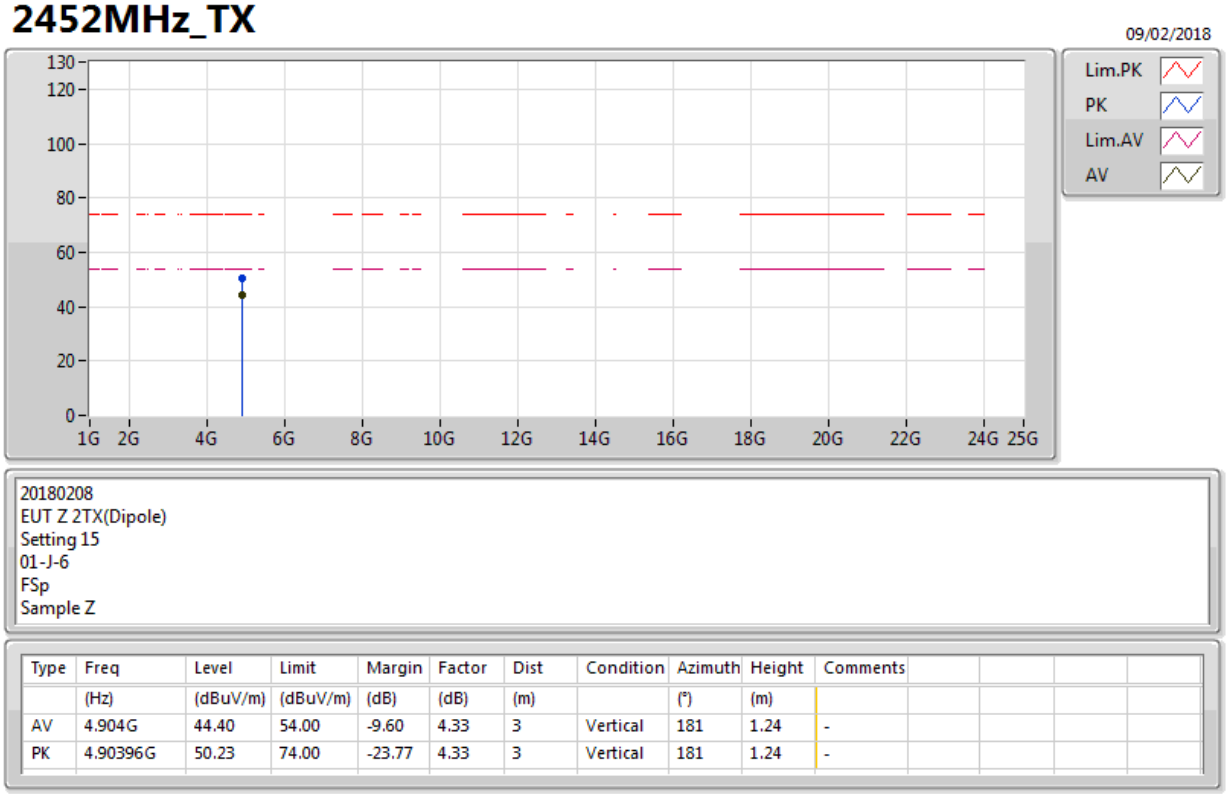


20180208
EUT Z 2TX(Dipole)
Setting 12
01-J-6
FSp
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.386G	44.59	54.00	-9.41	30.97	3	Vertical	314	1.27	-
AV	2.4564G	98.26	Inf	-Inf	31.09	3	Vertical	314	1.27	-
AV	2.49G	53.01	54.00	-0.99	31.19	3	Vertical	314	1.27	-
PK	2.3876G	58.93	74.00	-15.07	30.97	3	Vertical	314	1.27	-
PK	2.4556G	107.75	Inf	-Inf	31.09	3	Vertical	314	1.27	-
PK	2.4884G	71.14	74.00	-2.86	31.19	3	Vertical	314	1.27	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

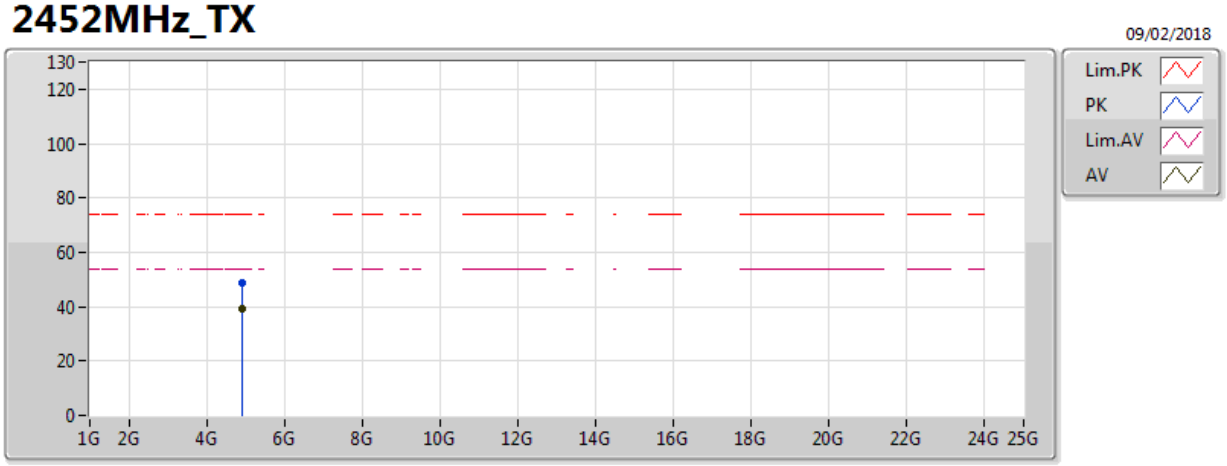


20180208
EUT Z 2TX(Dipole)
Setting 15
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.904G	44.40	54.00	-9.60	4.33	3	Vertical	181	1.24	-
PK	4.90396G	50.23	74.00	-23.77	4.33	3	Vertical	181	1.24	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

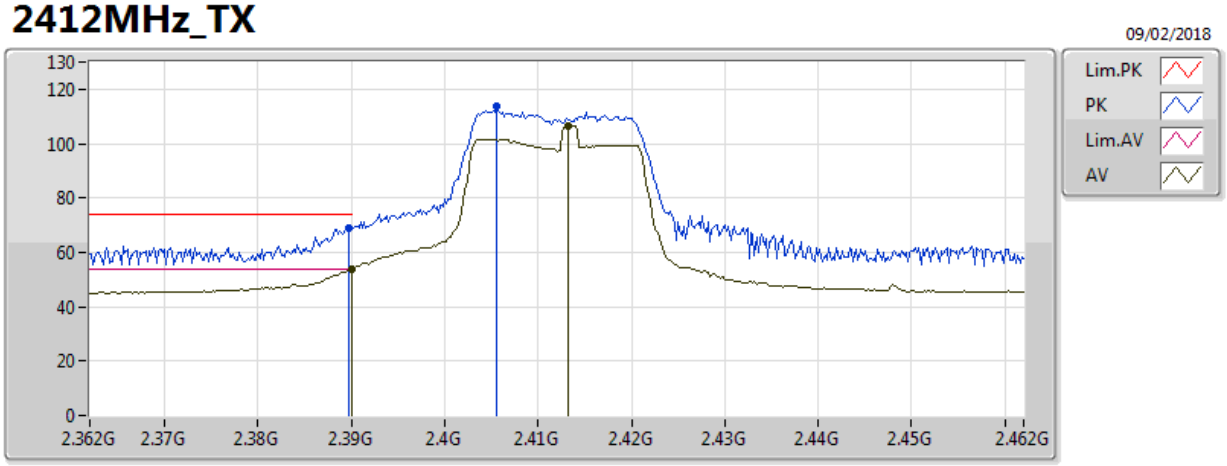


20180208
EUT Z 2TX(Dipole)
Setting 15
01-J-6
FSp
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.90398G	39.43	54.00	-14.57	4.27	3	Horizontal	148	1.02	-
PK	4.90392G	48.70	74.00	-25.30	4.27	3	Horizontal	148	1.02	-

802.11n HT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

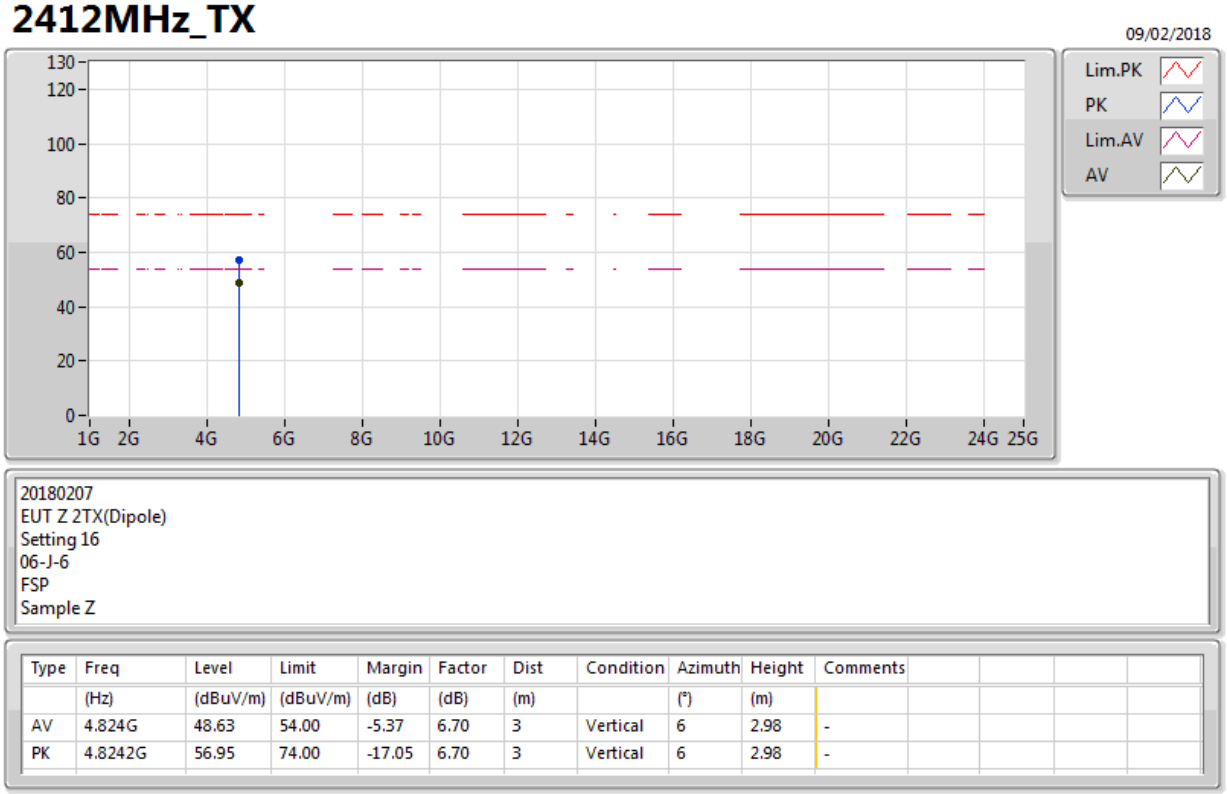


20180207
EUT Z 2TX(Dipole)
Setting 16
06-J-6
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	53.69	54.00	-0.31	32.12	3	Vertical	11	1.11	-
AV	2.4132G	106.58	Inf	-Inf	32.19	3	Vertical	11	1.11	-
PK	2.3898G	69.02	74.00	-4.98	32.12	3	Vertical	11	1.11	-
PK	2.4056G	113.95	Inf	-Inf	32.17	3	Vertical	11	1.11	-

802.11n HT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

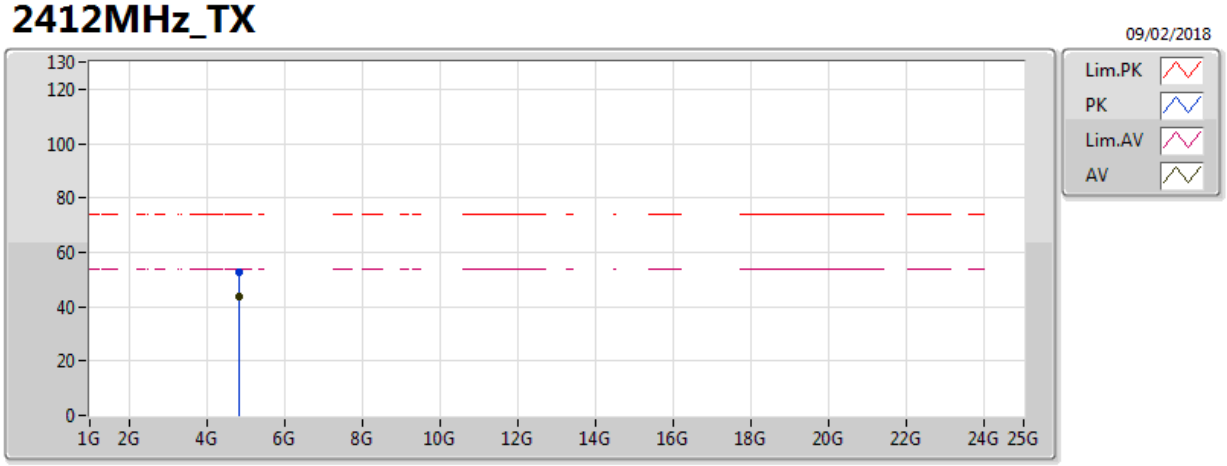


20180207
EUT Z 2TX(Dipole)
Setting 16
06-J-6
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.824G	48.63	54.00	-5.37	6.70	3	Vertical	6	2.98	-
PK	4.8242G	56.95	74.00	-17.05	6.70	3	Vertical	6	2.98	-

802.11n HT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

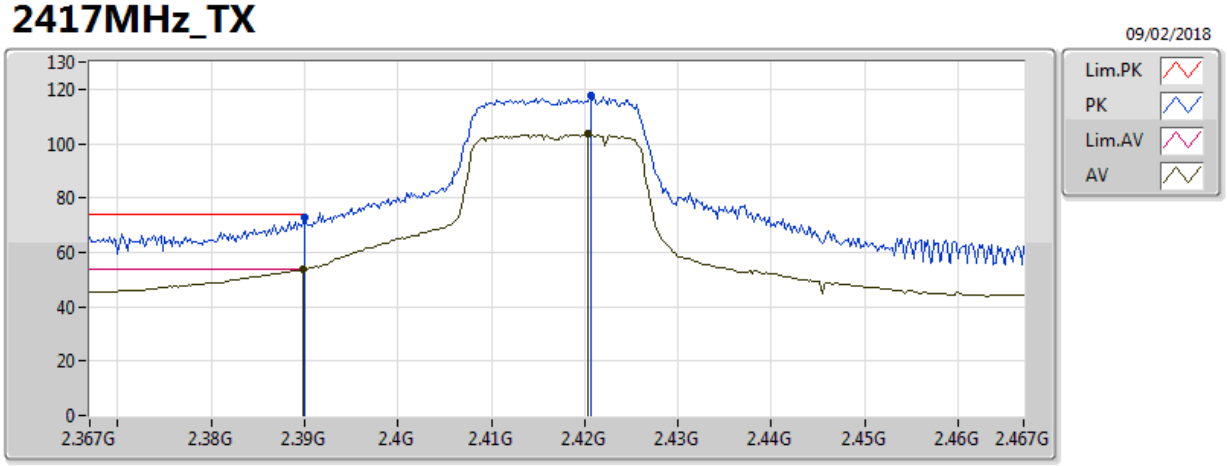


20180207
EUT Z 2TX(Dipole)
Setting 16
06-J-6
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82098G	43.61	54.00	-10.39	6.69	3	Horizontal	3	1.29	-
PK	4.8207G	52.65	74.00	-21.35	6.69	3	Horizontal	3	1.29	-

802.11n HT20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

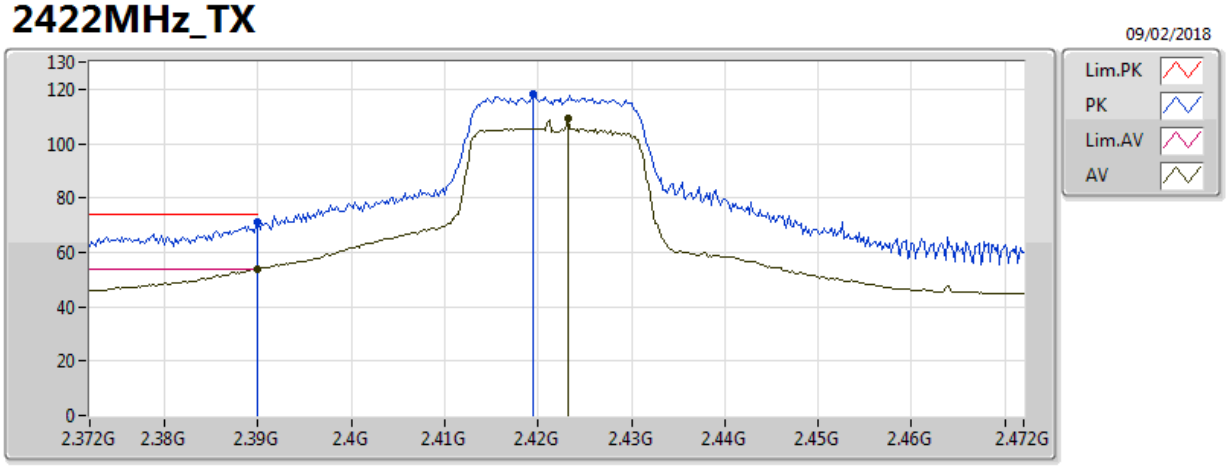


20180208H
EUT Z 2TX(Dipole)
Setting 19
01-E-2
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	53.80	54.00	-0.20	30.96	3	Vertical	3	1.15	-
AV	2.4204G	103.41	Inf	-Inf	30.99	3	Vertical	3	1.15	-
PK	2.389998G	72.74	74.00	-1.26	30.96	3	Vertical	3	1.15	-
PK	2.4206G	117.48	Inf	-Inf	30.99	3	Vertical	3	1.15	-

802.11n HT20-BF_Nss1,(MCS0)_2TX

2422MHz_TX



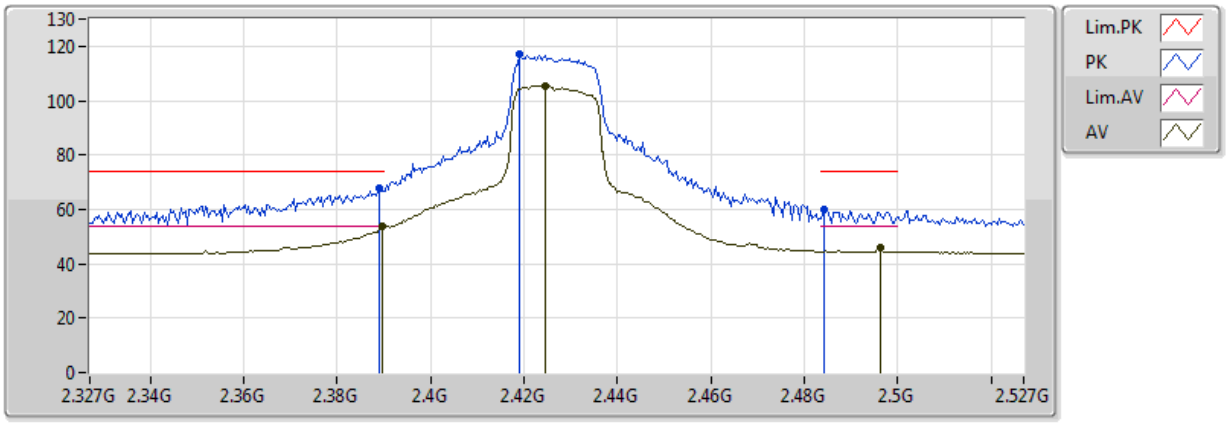
20180208H
EUT Z 2TX(Dipole)
Setting 19
01-E-2
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.92	54.00	-0.08	30.96	3	Vertical	8	1.16	-
AV	2.4232G	109.23	Inf	-Inf	31.00	3	Vertical	8	1.16	-
PK	2.389998G	71.39	74.00	-2.61	30.96	3	Vertical	8	1.16	-
PK	2.4194G	118.25	Inf	-Inf	30.99	3	Vertical	8	1.16	-

802.11n HT20-BF_Nss1,(MCS0)_2TX

2427MHz_TX

09/02/2018

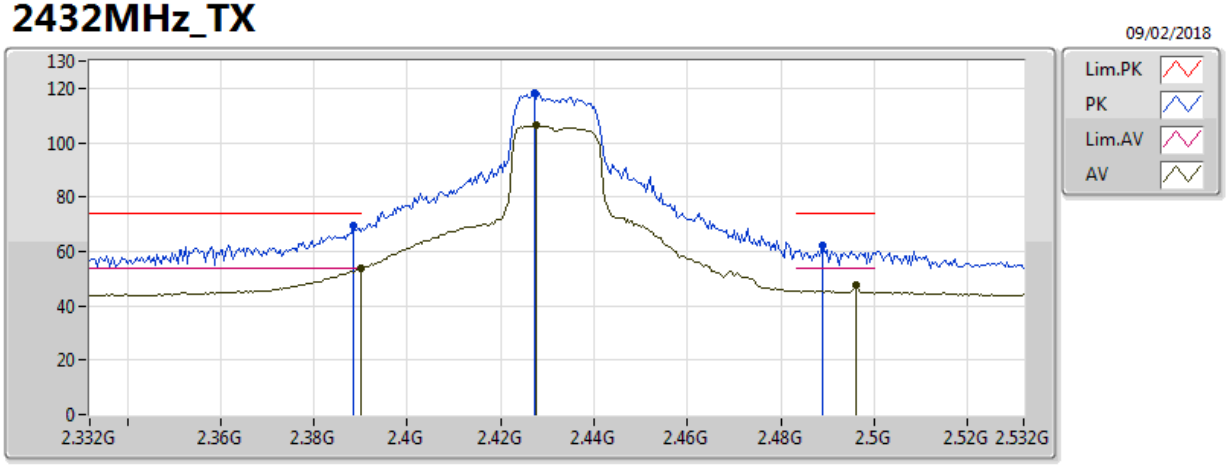


20180208H
EUT Z 2TX(Dipole)
Setting 21
01-E-2
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	53.54	54.00	-0.46	30.96	3	Vertical	33	1.23	-
AV	2.4246G	105.27	Inf	-Inf	31.00	3	Vertical	33	1.23	-
AV	2.4962G	46.10	54.00	-7.90	31.21	3	Vertical	33	1.23	-
PK	2.389G	67.70	74.00	-6.30	30.96	3	Vertical	33	1.23	-
PK	2.419G	117.05	Inf	-Inf	30.99	3	Vertical	33	1.23	-
PK	2.4842G	59.96	74.00	-14.04	31.17	3	Vertical	33	1.23	-

802.11n HT20-BF_Nss1,(MCS0)_2TX

2432MHz_TX

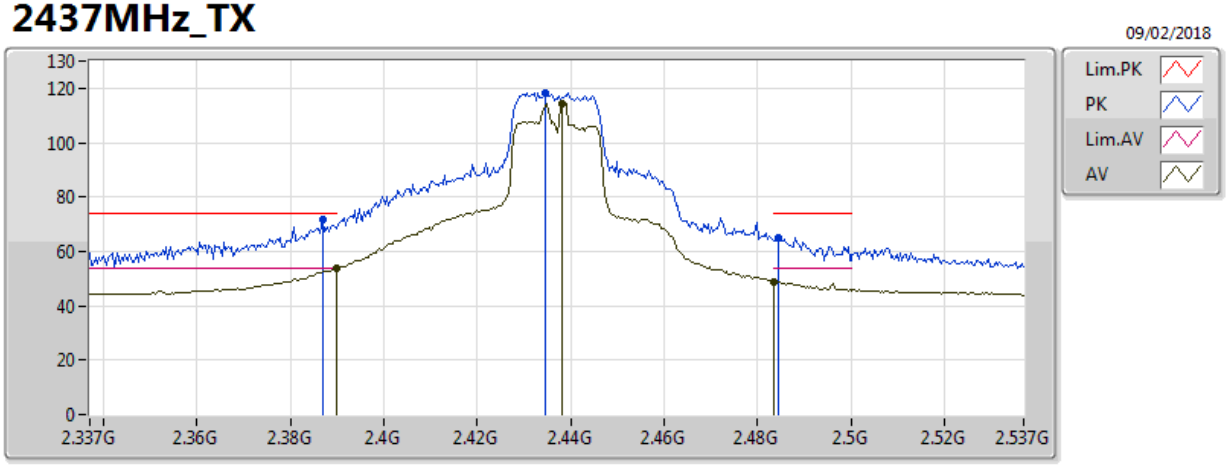


20180208H
EUT Z 2TX(Dipole)
Setting 22.5
01-E-2
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.82	54.00	-0.18	30.96	3	Vertical	33	1.50	-
AV	2.4276G	106.44	Inf	-Inf	31.01	3	Vertical	33	1.50	-
AV	2.496G	47.37	54.00	-6.63	31.21	3	Vertical	33	1.50	-
PK	2.3884G	69.46	74.00	-4.54	30.96	3	Vertical	33	1.50	-
PK	2.4272G	118.13	Inf	-Inf	31.01	3	Vertical	33	1.50	-
PK	2.4888G	62.16	74.00	-11.84	31.19	3	Vertical	33	1.50	-

802.11n HT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX



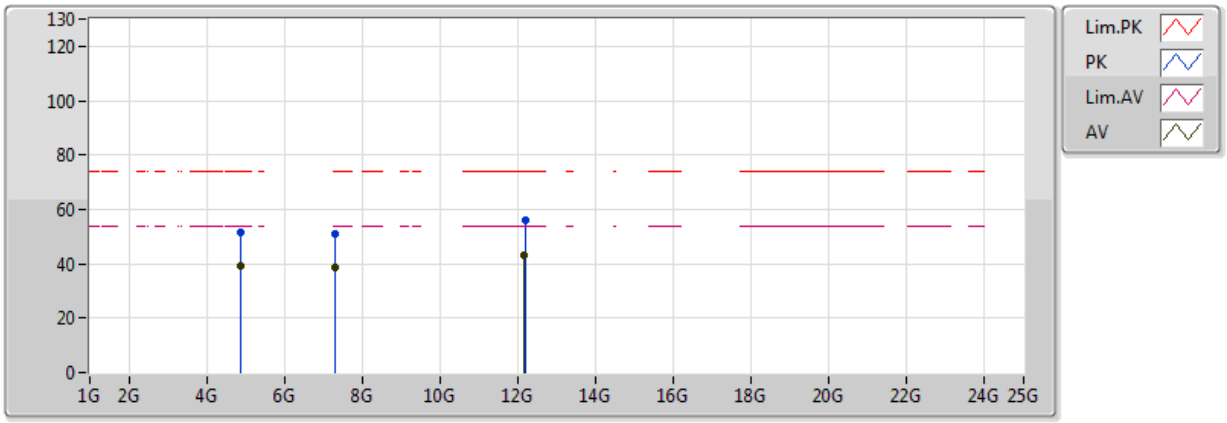
20180206
EUT Z 2TX(Dipole)
Setting 22.5
01-E-2
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	53.78	54.00	-0.22	30.96	3	Vertical	218	1.36	-
AV	2.4382G	114.22	Inf	-Inf	31.04	3	Vertical	218	1.36	-
AV	2.483502G	48.93	54.00	-5.07	31.17	3	Vertical	218	1.36	-
PK	2.387G	71.79	74.00	-2.21	30.97	3	Vertical	218	1.36	-
PK	2.4346G	118.27	Inf	-Inf	31.03	3	Vertical	218	1.36	-
PK	2.4846G	65.12	74.00	-8.88	31.18	3	Vertical	218	1.36	-

802.11n HT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

09/02/2018



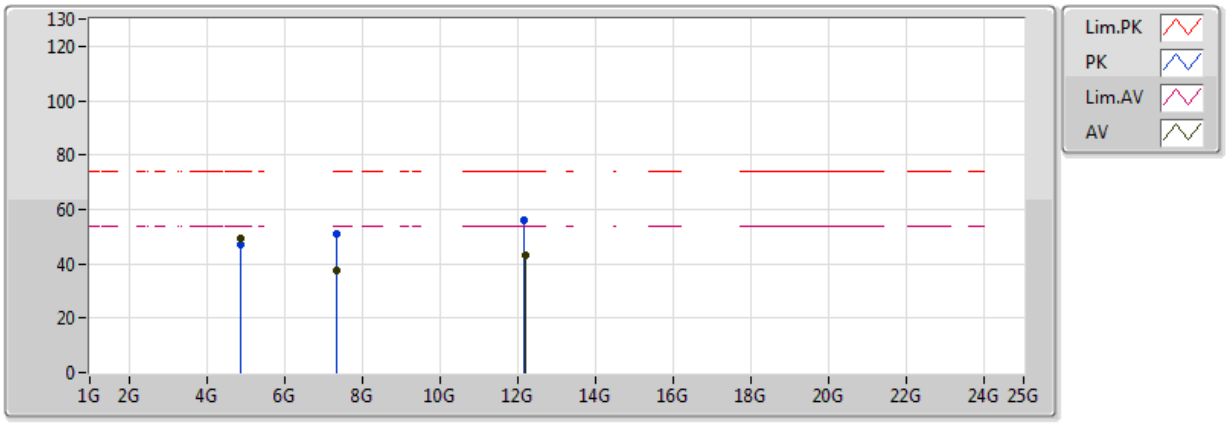
20180206
EUT Z 2TX(Dipole)
Setting 22.5
01-E-2
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.8773G	39.08	54.00	-14.92	4.22	3	Vertical	87	2.62	-
AV	7.31184G	38.75	54.00	-15.25	9.75	3	Vertical	0	2.77	-
AV	12.17546G	43.06	54.00	-10.94	13.93	3	Vertical	42	2.76	-
PK	4.87352G	51.43	74.00	-22.57	4.20	3	Vertical	87	2.62	-
PK	7.31388G	51.07	74.00	-22.93	9.75	3	Vertical	0	2.77	-
PK	12.1961G	55.91	74.00	-18.09	13.99	3	Vertical	42	2.76	-

802.11n HT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

09/02/2018

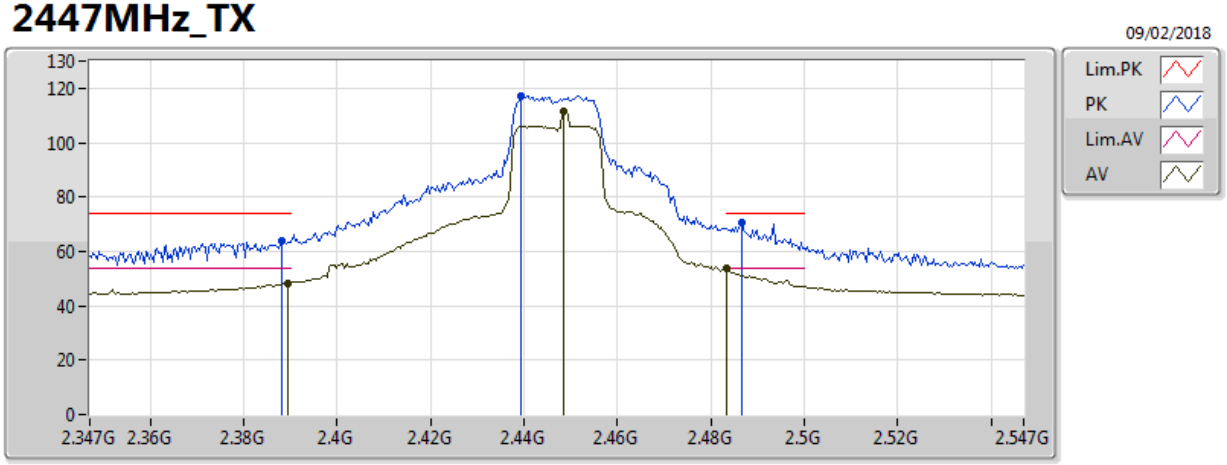


20180206
EUT Z 2TX(Dipole)
Setting 22.5
01-E-2
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87376G	49.14	54.00	-4.86	4.14	3	Horizontal	178	1.82	-
AV	7.32312G	37.80	54.00	-16.20	9.66	3	Horizontal	148	1.50	-
AV	12.17834G	43.00	54.00	-11.00	13.78	3	Horizontal	290	1.50	-
PK	4.8632G	46.90	74.00	-27.10	4.10	3	Horizontal	178	1.82	-
PK	7.32378G	51.16	74.00	-22.84	9.66	3	Horizontal	148	1.50	-
PK	12.1769G	56.15	74.00	-17.85	13.77	3	Horizontal	290	1.50	-

802.11n HT20-BF_Nss1,(MCS0)_2TX

2447MHz_TX



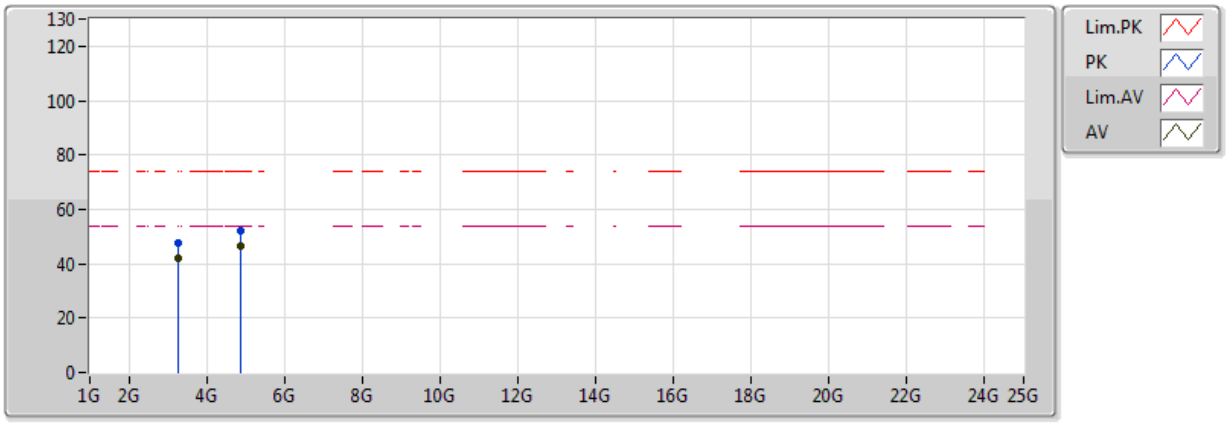
20180206
EUT Z 2TX(Dipole)
Setting 22.5
01-E-2
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3894G	48.45	54.00	-5.55	30.96	3	Vertical	162	1.18	-
AV	2.4486G	111.58	Inf	-Inf	31.07	3	Vertical	162	1.18	-
AV	2.483502G	53.65	54.00	-0.35	31.17	3	Vertical	162	1.18	-
PK	2.3882G	63.95	74.00	-10.05	30.97	3	Vertical	162	1.18	-
PK	2.4394G	117.33	Inf	-Inf	31.04	3	Vertical	162	1.18	-
PK	2.4866G	70.86	74.00	-3.14	31.18	3	Vertical	162	1.18	-

802.11n HT20-BF_Nss1,(MCS0)_2TX

2447MHz_TX

09/02/2018



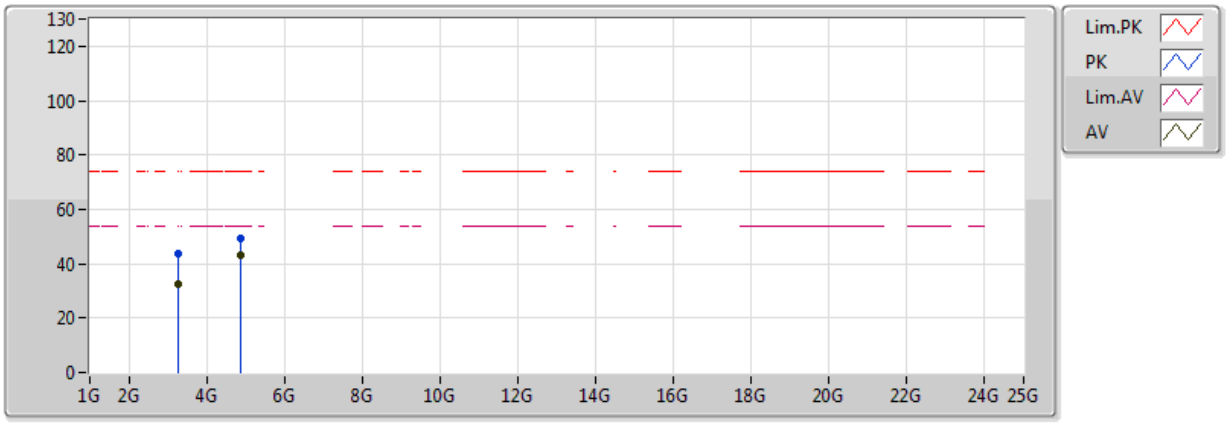
20180206
EUT Z 2TX(Dipole)
Setting 22.5
01-E-2
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	3.262599G	41.84	54.00	-12.16	-0.02	3	Vertical	158	2.99	-
AV	4.89394G	46.59	54.00	-7.41	4.29	3	Vertical	179	1.12	-
PK	3.262555G	47.81	74.00	-26.19	-0.02	3	Vertical	158	2.99	-
PK	4.89412G	52.14	74.00	-21.86	4.29	3	Vertical	179	1.12	-

802.11n HT20-BF_Nss1,(MCS0)_2TX

2447MHz_TX

09/02/2018

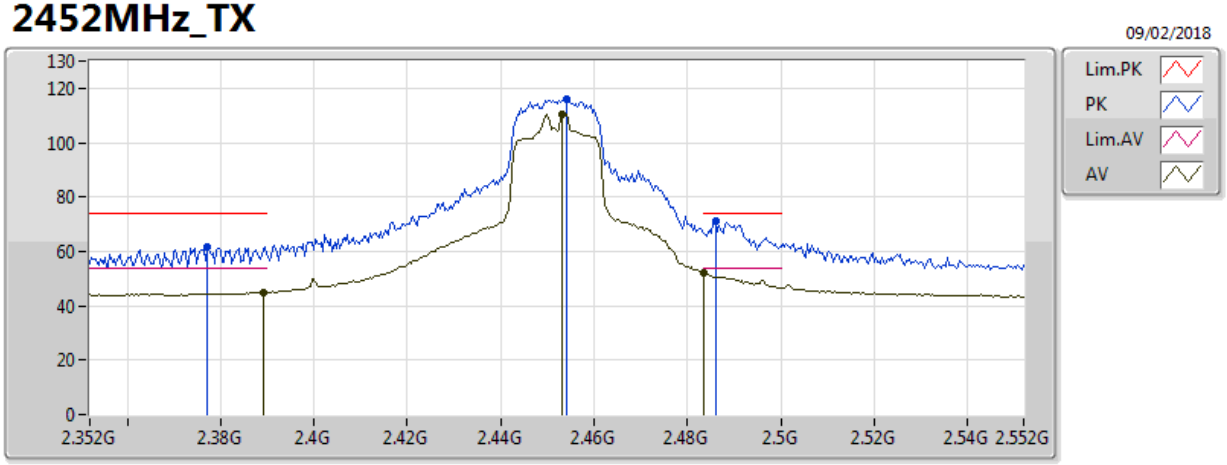


20180206
EUT Z 2TX(Dipole)
Setting 22.5
01-E-2
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	3.262637G	32.32	54.00	-21.68	-0.07	3	Horizontal	326	1.04	-
AV	4.89394G	43.31	54.00	-10.69	4.23	3	Horizontal	169	1.01	-
PK	3.262727G	43.89	74.00	-30.11	-0.07	3	Horizontal	326	1.04	-
PK	4.88272G	49.36	74.00	-24.64	4.18	3	Horizontal	169	1.01	-

802.11n HT20-BF_Nss1,(MCS0)_2TX

2452MHz_TX

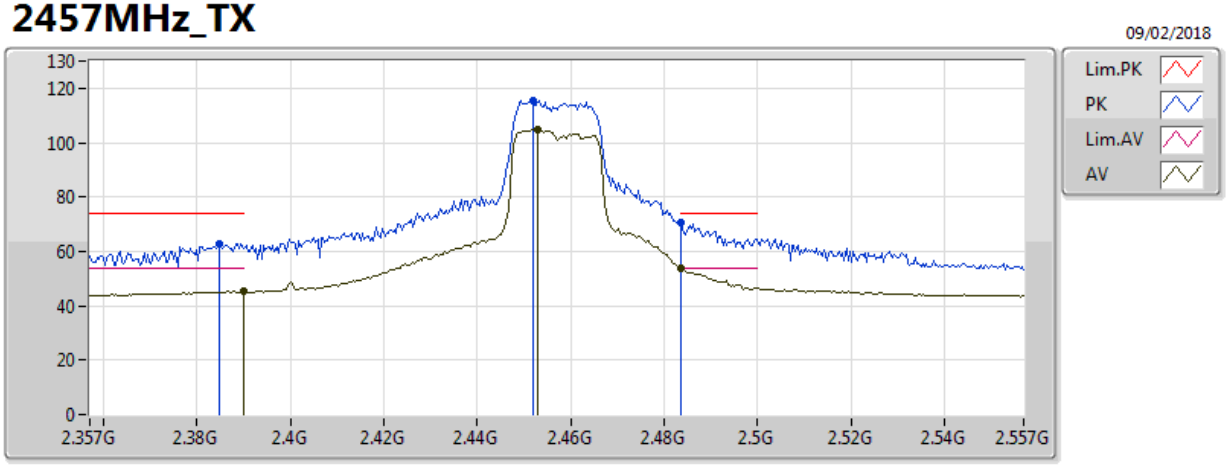


20180208H
EUT Z 2TX(Dipole)
Setting 22.5
01-E-2
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3892G	45.09	54.00	-8.91	30.96	3	Vertical	32	1.50	-
AV	2.4532G	110.55	Inf	-Inf	31.08	3	Vertical	32	1.50	-
AV	2.4836G	52.05	54.00	-1.95	31.17	3	Vertical	32	1.50	-
PK	2.3772G	61.81	74.00	-12.19	31.00	3	Vertical	32	1.50	-
PK	2.454G	116.04	Inf	-Inf	31.09	3	Vertical	32	1.50	-
PK	2.486G	71.38	74.00	-2.62	31.18	3	Vertical	32	1.50	-

802.11n HT20-BF_Nss1,(MCS0)_2TX

2457MHz_TX

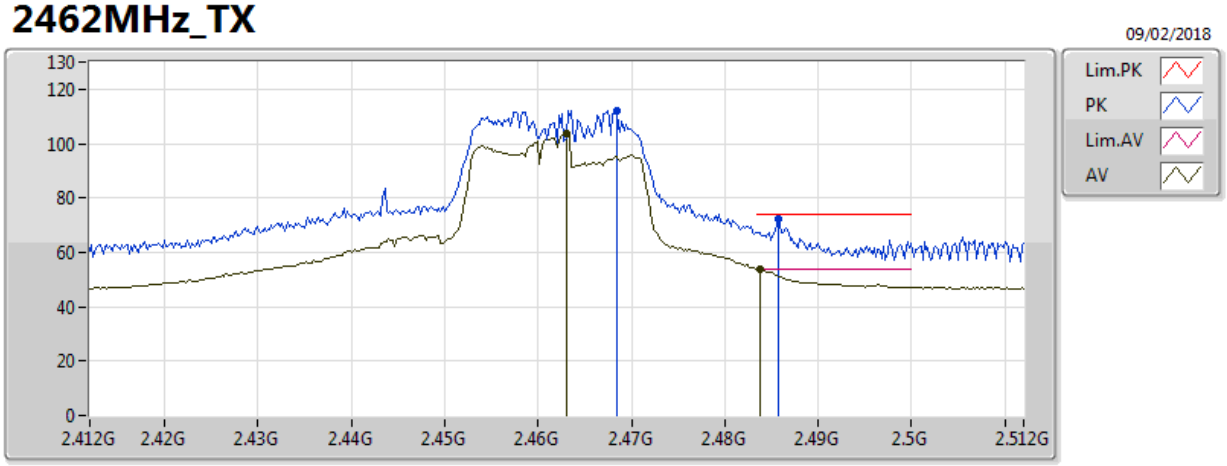


20180208H
EUT Z 2TX(Dipole)
Setting 20
01-E-2
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	45.20	54.00	-8.80	30.96	3	Vertical	37	1.17	-
AV	2.453G	104.77	Inf	-Inf	31.08	3	Vertical	37	1.17	-
AV	2.483502G	53.58	54.00	-0.42	31.17	3	Vertical	37	1.17	-
PK	2.3846G	63.00	74.00	-11.00	30.98	3	Vertical	37	1.17	-
PK	2.4518G	115.25	Inf	-Inf	31.08	3	Vertical	37	1.17	-
PK	2.483502G	70.57	74.00	-3.43	31.17	3	Vertical	37	1.17	-

802.11n HT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

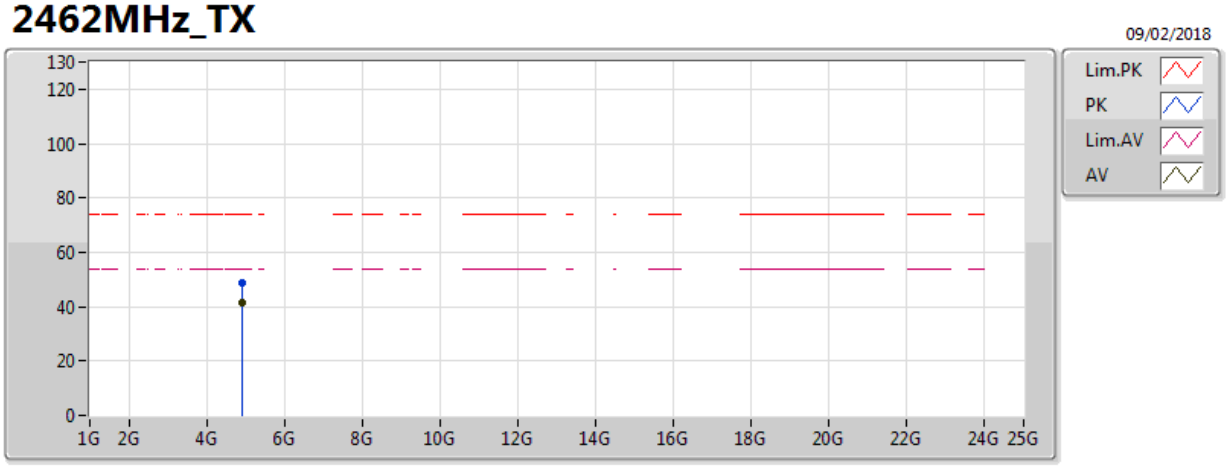


20180207
EUT Z 2TX(Dipole)
Setting 19
06-J-6
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.463G	103.56	Inf	-Inf	32.35	3	Vertical	320	1.44	-
AV	2.4838G	53.56	54.00	-0.44	32.42	3	Vertical	320	1.44	-
PK	2.4684G	112.27	Inf	-Inf	32.37	3	Vertical	320	1.44	-
PK	2.4858G	72.34	74.00	-1.66	32.43	3	Vertical	320	1.44	-

802.11n HT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

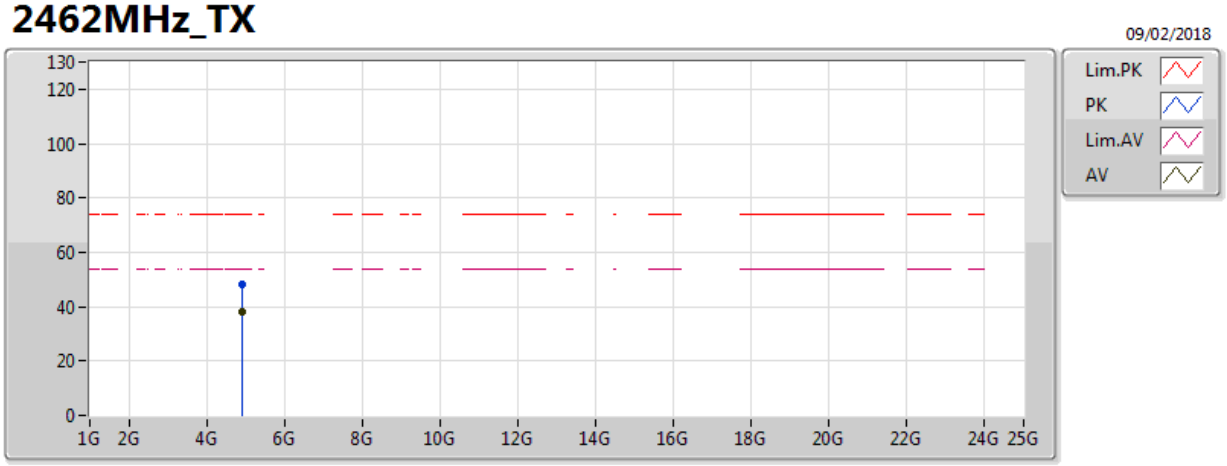


20180207
EUT Z 2TX(Dipole)
Setting 19
06-J-6
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92392G	41.32	54.00	-12.68	6.98	3	Vertical	186	1.01	-
PK	4.92392G	48.90	74.00	-25.10	6.98	3	Vertical	186	1.01	-

802.11n HT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

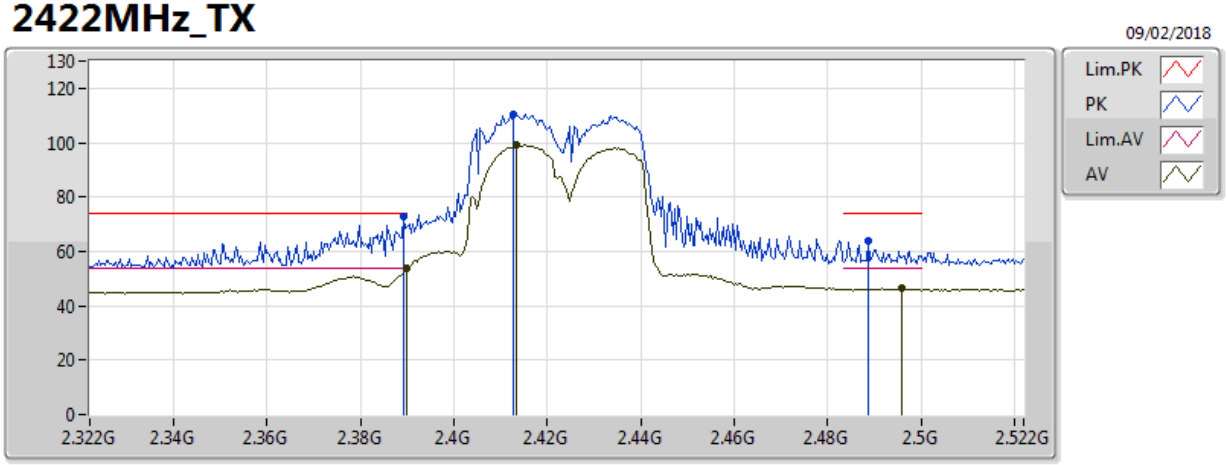


20180207
EUT Z 2TX(Dipole)
Setting 19
06-J-6
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92392G	38.19	54.00	-15.81	6.98	3	Horizontal	147	1.03	-
PK	4.92416G	47.99	74.00	-26.01	6.98	3	Horizontal	147	1.03	-

802.11n HT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

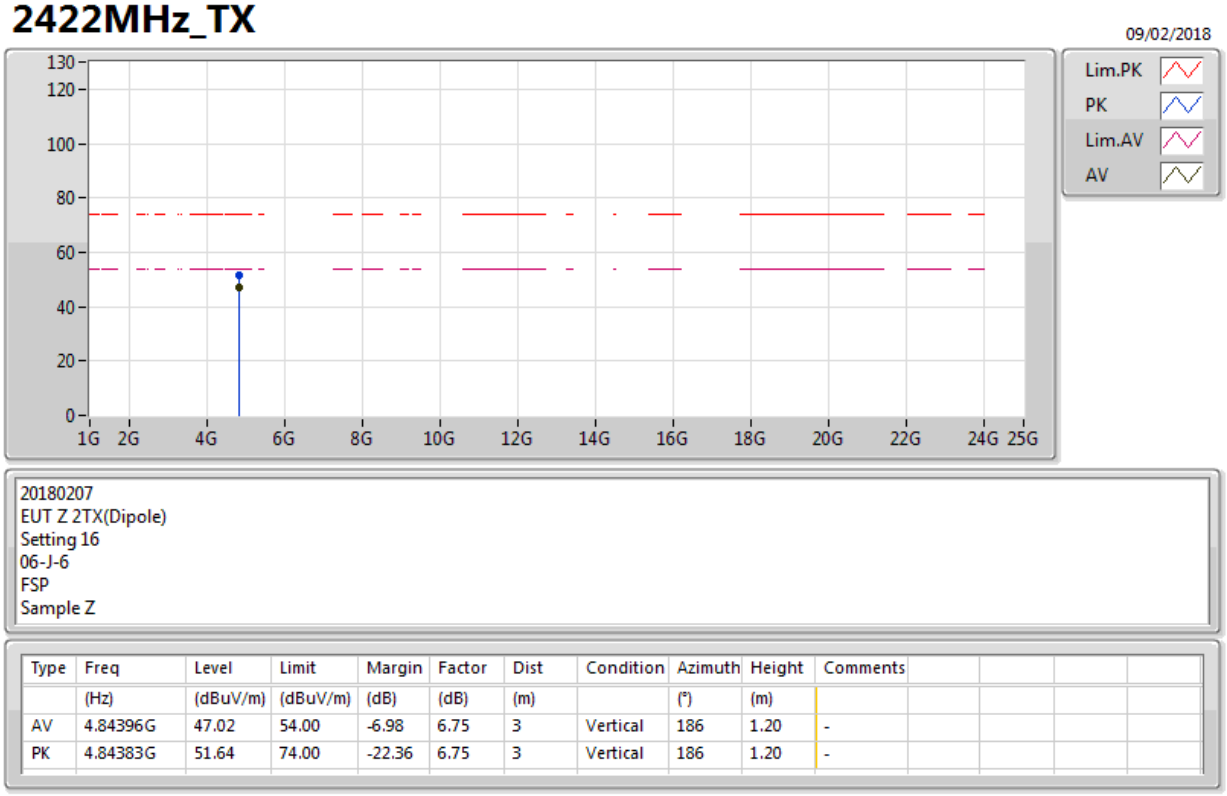


20180207
EUT Z 2TX(Dipole)
Setting 16
06-J-6
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	53.52	54.00	-0.48	32.12	3	Vertical	44	1.47	-
AV	2.4132G	98.94	Inf	-Inf	32.19	3	Vertical	44	1.47	-
AV	2.496G	46.75	54.00	-7.25	32.46	3	Vertical	44	1.47	-
PK	2.3892G	72.78	74.00	-1.22	32.12	3	Vertical	44	1.47	-
PK	2.4128G	110.27	Inf	-Inf	32.19	3	Vertical	44	1.47	-
PK	2.4888G	63.97	74.00	-10.03	32.44	3	Vertical	44	1.47	-

802.11n HT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

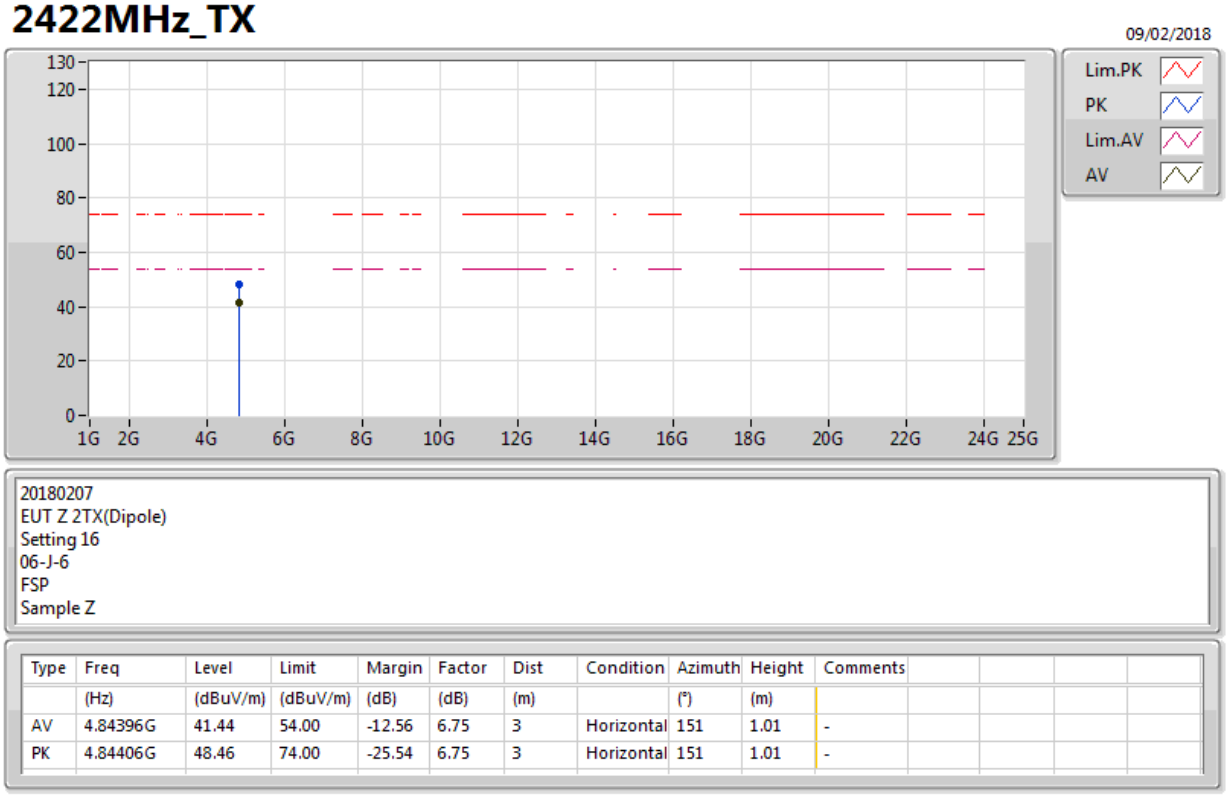


20180207
EUT Z 2TX(Dipole)
Setting 16
06-J-6
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.84396G	47.02	54.00	-6.98	6.75	3	Vertical	186	1.20	-
PK	4.84383G	51.64	74.00	-22.36	6.75	3	Vertical	186	1.20	-

802.11n HT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

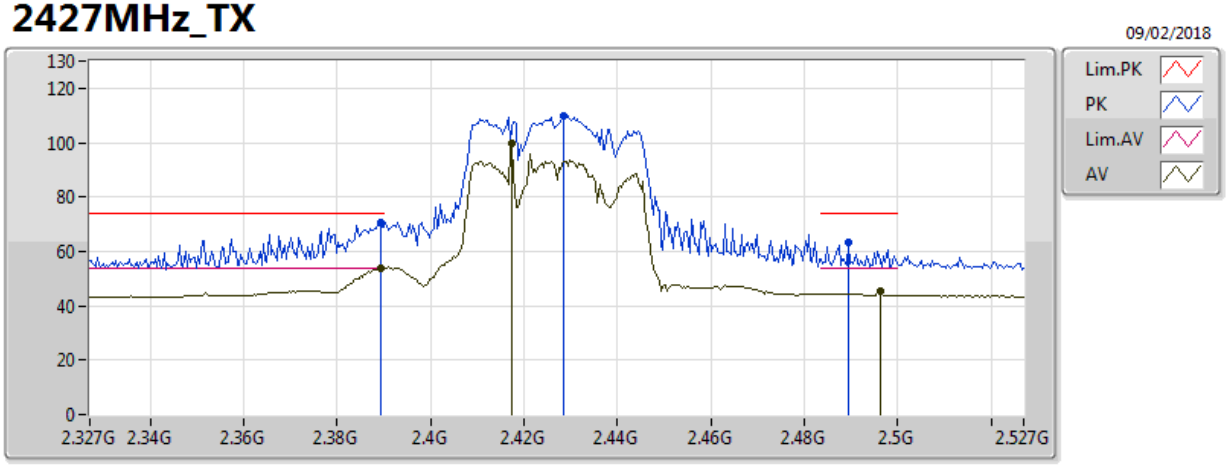


20180207
EUT Z 2TX(Dipole)
Setting 16
06-J-6
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.84396G	41.44	54.00	-12.56	6.75	3	Horizontal	151	1.01	-
PK	4.84406G	48.46	74.00	-25.54	6.75	3	Horizontal	151	1.01	-

802.11n HT40-BF_Nss1,(MCS0)_2TX

2427MHz_TX

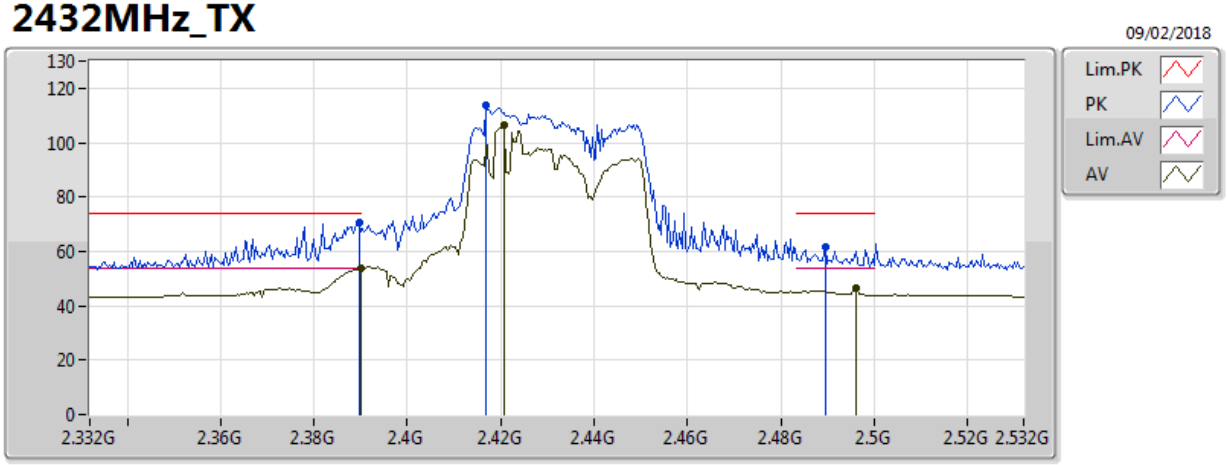


20180208H
EUT Z 2TX(Dipole)
Setting 15
01-E-2
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3894G	53.97	54.00	-0.03	30.96	3	Vertical	6	1.10	-
AV	2.4174G	99.93	Inf	-Inf	30.98	3	Vertical	6	1.10	-
AV	2.4962G	45.30	54.00	-8.70	31.21	3	Vertical	6	1.10	-
PK	2.3894G	70.37	74.00	-3.63	30.96	3	Vertical	6	1.10	-
PK	2.4286G	110.03	Inf	-Inf	31.01	3	Vertical	6	1.10	-
PK	2.4894G	63.41	74.00	-10.59	31.19	3	Vertical	6	1.10	-

802.11n HT40-BF_Nss1,(MCS0)_2TX

2432MHz_TX

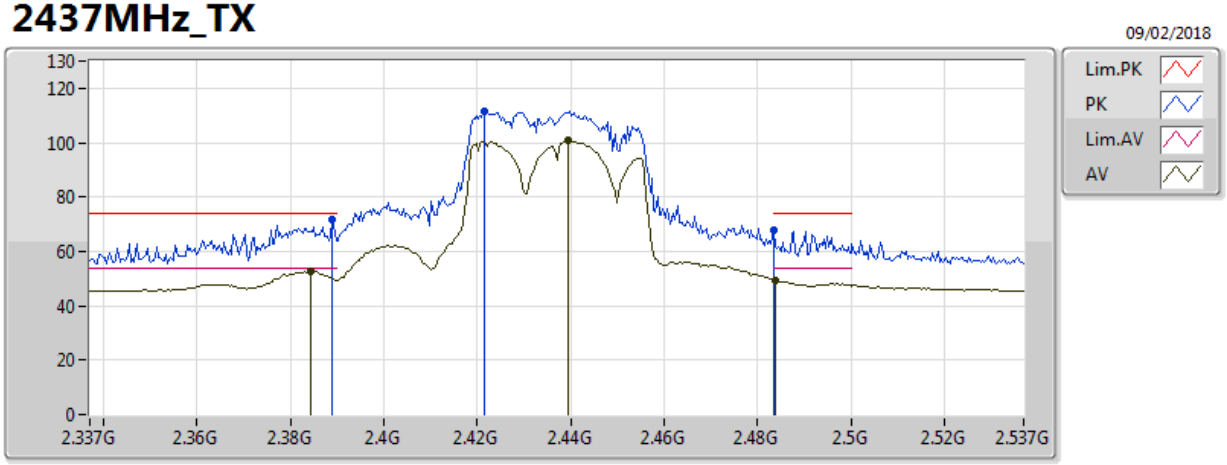


20180208H
EUT Z 2TX(Dipole)
Setting 16
01-E-2
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.87	54.00	-0.13	30.96	3	Vertical	0	1.10	-
AV	2.4208G	106.48	Inf	-Inf	30.99	3	Vertical	0	1.10	-
AV	2.496G	46.52	54.00	-7.48	31.21	3	Vertical	0	1.10	-
PK	2.3896G	70.49	74.00	-3.51	30.96	3	Vertical	0	1.10	-
PK	2.4168G	113.80	Inf	-Inf	30.98	3	Vertical	0	1.10	-
PK	2.4896G	61.46	74.00	-12.54	31.19	3	Vertical	0	1.10	-

802.11n HT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX



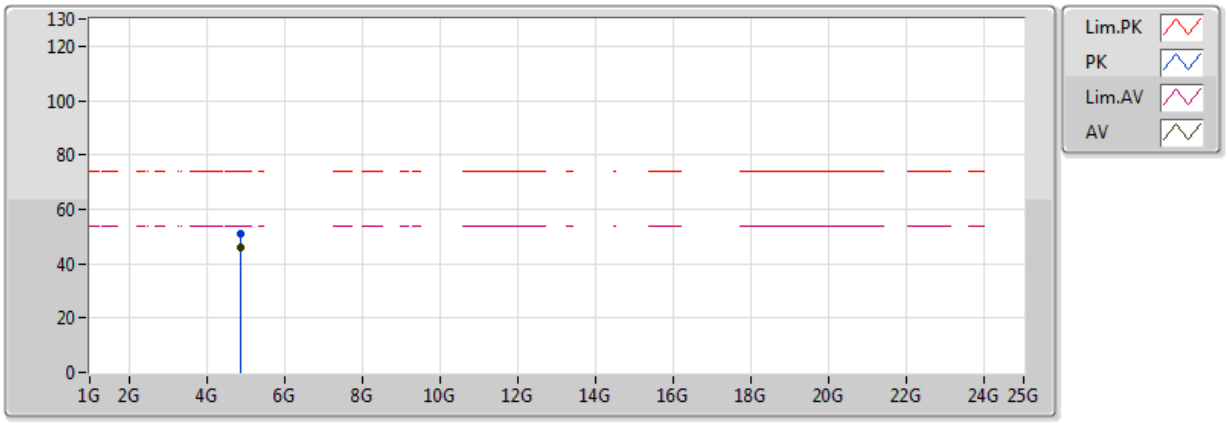
20180207
EUT Z 2TX(Dipole)
Setting 18.5
06-J-6
FSP
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3842G	52.62	54.00	-1.38	32.10	3	Vertical	13	1.48	-
AV	2.4394G	100.61	Inf	-Inf	32.28	3	Vertical	13	1.48	-
AV	2.4838G	49.42	54.00	-4.58	32.42	3	Vertical	13	1.48	-
PK	2.389G	71.84	74.00	-2.16	32.11	3	Vertical	13	1.48	-
PK	2.4214G	111.68	Inf	-Inf	32.22	3	Vertical	13	1.48	-
PK	2.483502G	67.75	74.00	-6.25	32.42	3	Vertical	13	1.48	-

802.11n HT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

09/02/2018

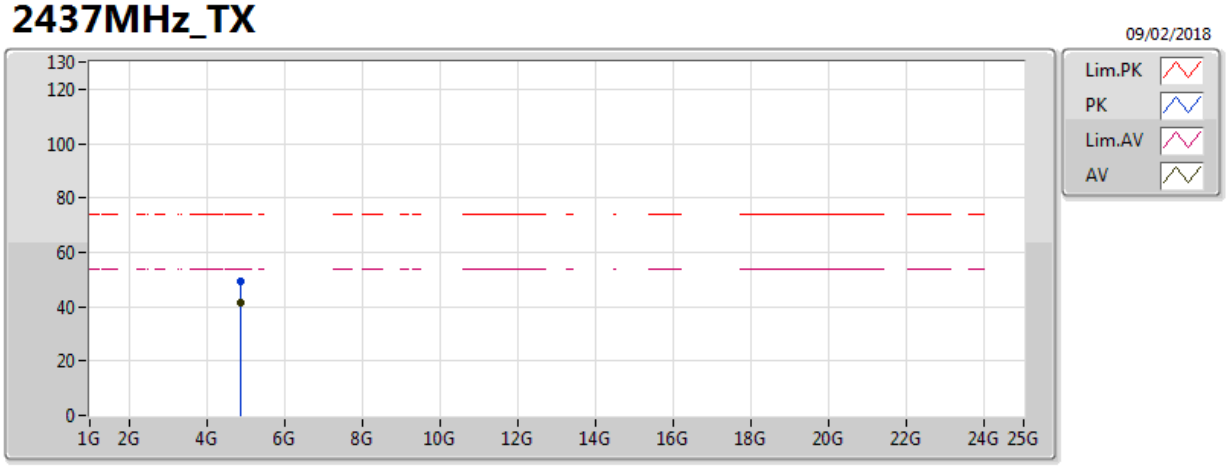


20180207
EUT Z 2TX(Dipole)
Setting 18.5
06-J-6
FSP
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87399G	45.75	54.00	-8.25	6.84	3	Vertical	187	1.19	-
PK	4.87399G	51.05	74.00	-22.95	6.84	3	Vertical	187	1.19	-

802.11n HT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

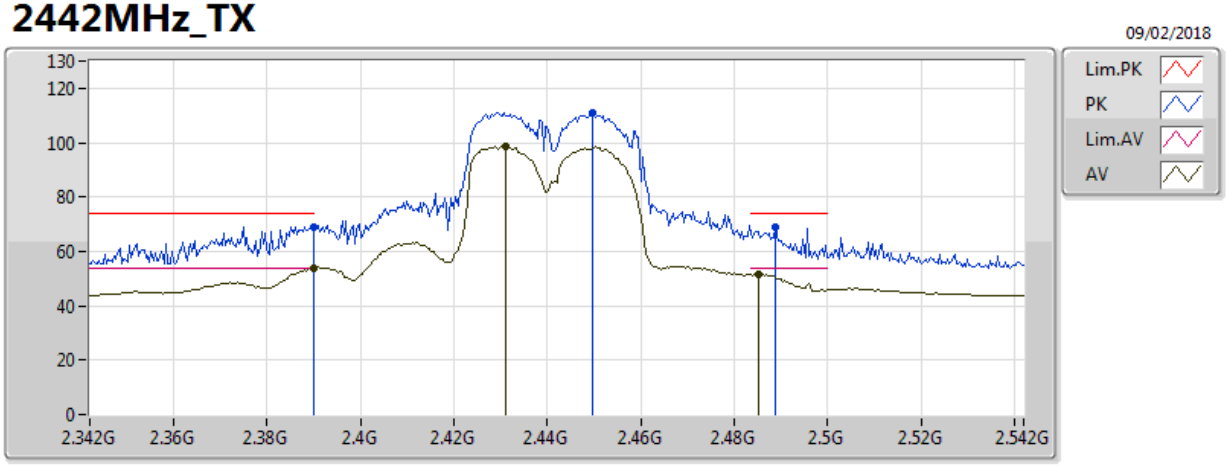


20180207
EUT Z 2TX(Dipole)
Setting 18.5
06-J-6
FSP
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.8739G	41.21	54.00	-12.79	6.84	3	Horizontal	152	1.09	-
PK	4.87392G	49.24	74.00	-24.76	6.84	3	Horizontal	152	1.09	-

802.11n HT40-BF_Nss1,(MCS0)_2TX

2442MHz_TX



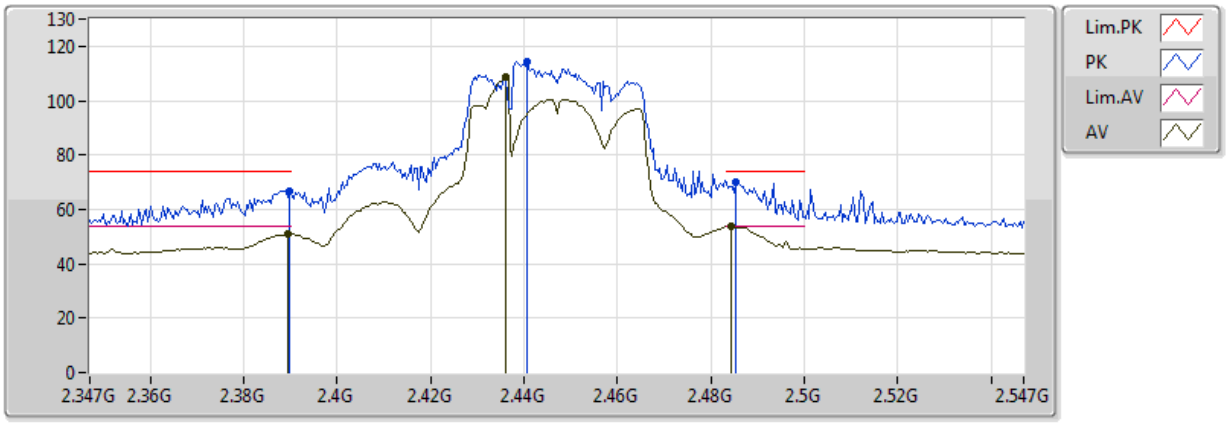
20180208H
EUT Z 2TX(Dipole)
Setting 18
01-E-2
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.59	54.00	-0.41	30.96	3	Vertical	0	1.18	-
AV	2.4312G	98.71	Inf	-Inf	31.02	3	Vertical	0	1.18	-
AV	2.4852G	51.68	54.00	-2.32	31.18	3	Vertical	0	1.18	-
PK	2.389998G	69.14	74.00	-4.86	30.96	3	Vertical	0	1.18	-
PK	2.4496G	111.06	Inf	-Inf	31.07	3	Vertical	0	1.18	-
PK	2.4888G	68.95	74.00	-5.05	31.19	3	Vertical	0	1.18	-

802.11n HT40-BF_Nss1,(MCS0)_2TX

2447MHz_TX

09/02/2018

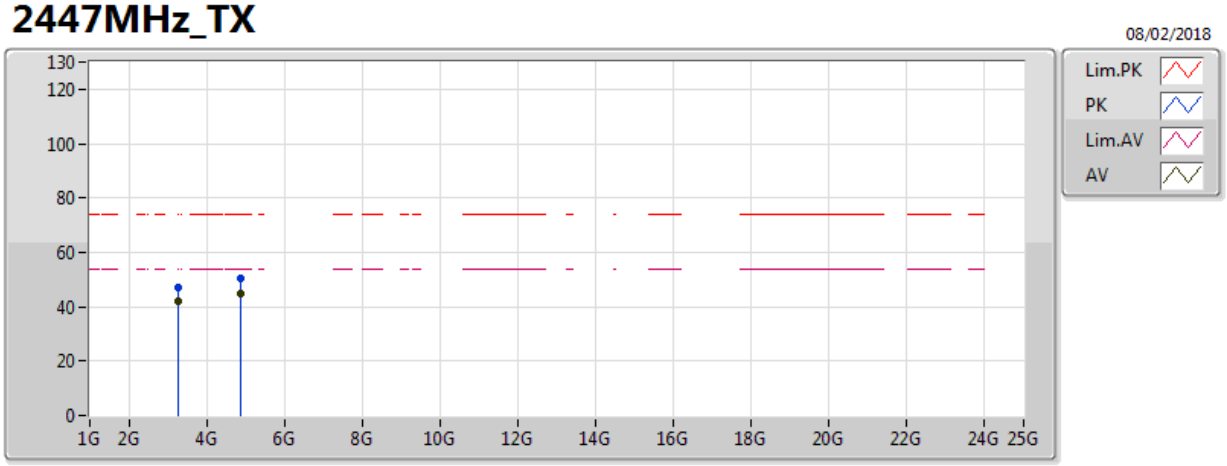


20180206
EUT Z 2TX(Dipole)
Setting 17.5
01-E-2
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3894G	50.95	54.00	-3.05	30.96	3	Vertical	163	1.16	-
AV	2.4362G	108.51	Inf	-Inf	31.03	3	Vertical	163	1.16	-
AV	2.4842G	53.85	54.00	-0.15	31.17	3	Vertical	163	1.16	-
PK	2.3898G	66.84	74.00	-7.16	30.96	3	Vertical	163	1.16	-
PK	2.4406G	114.36	Inf	-Inf	31.05	3	Vertical	163	1.16	-
PK	2.4854G	70.14	74.00	-3.86	31.18	3	Vertical	163	1.16	-

802.11n HT40-BF_Nss1,(MCS0)_2TX

2447MHz_TX

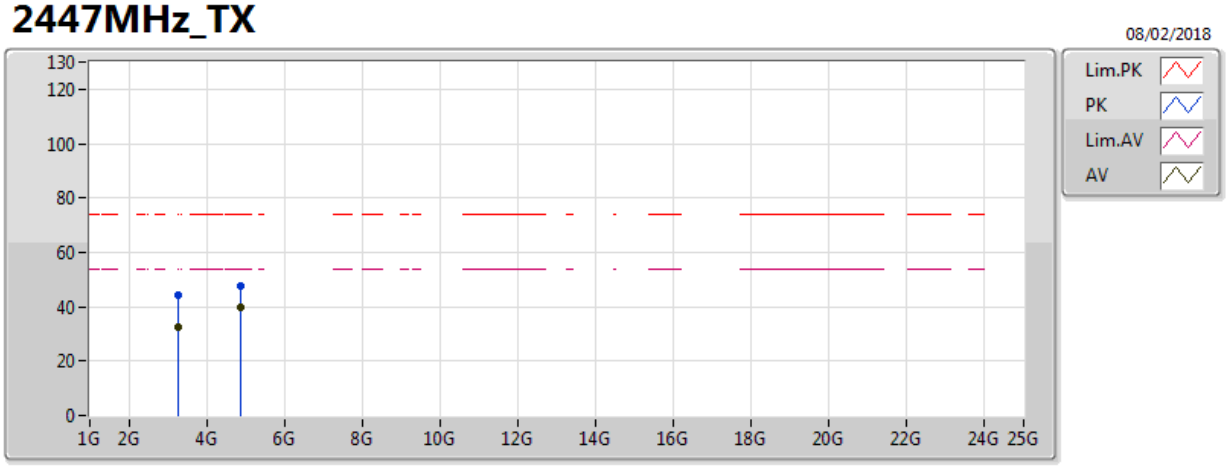


20180206
EUT Z 2TX(Dipolo)
Setting 17.5
01-E-2
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	3.262607G	41.81	54.00	-12.19	-0.02	3	Vertical	160	2.97	-
AV	4.89404G	44.83	54.00	-9.17	4.29	3	Vertical	180	1.14	-
PK	3.262487G	47.26	74.00	-26.74	-0.02	3	Vertical	160	2.97	-
PK	4.89396G	50.41	74.00	-23.59	4.29	3	Vertical	180	1.14	-

802.11n HT40-BF_Nss1,(MCS0)_2TX

2447MHz_TX

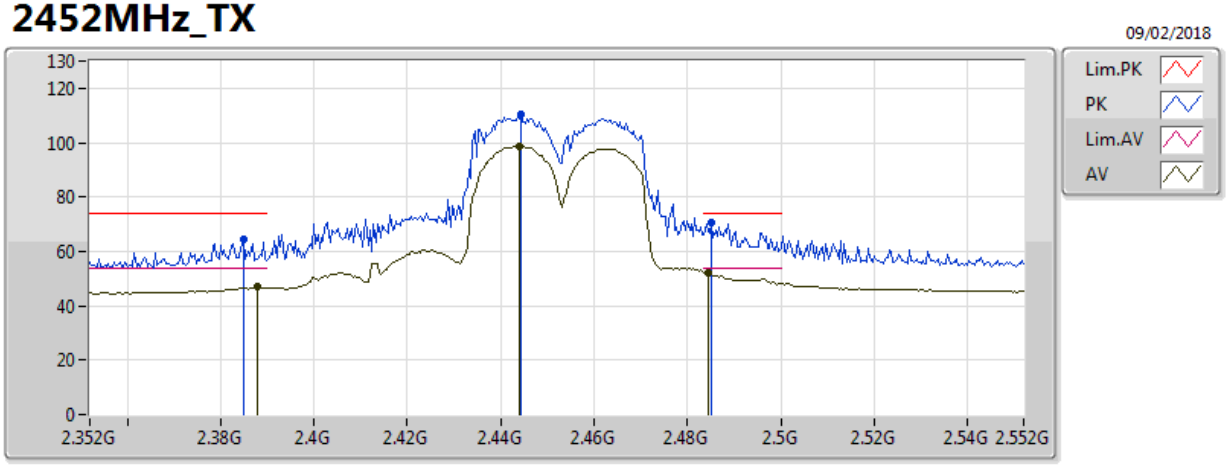


20180206
EUT Z 2TX(Dipolo)
Setting 17.5
01-E-2
FSP
Sample Z

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	3.262667G	32.70	54.00	-21.30	-0.07	3	Horizontal	326	1.02	-
AV	4.89388G	39.85	54.00	-14.15	4.22	3	Horizontal	144	1.27	-
PK	3.262667G	44.11	74.00	-29.89	-0.07	3	Horizontal	326	1.02	-
PK	4.89396G	47.70	74.00	-26.30	4.23	3	Horizontal	144	1.27	-

802.11n HT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

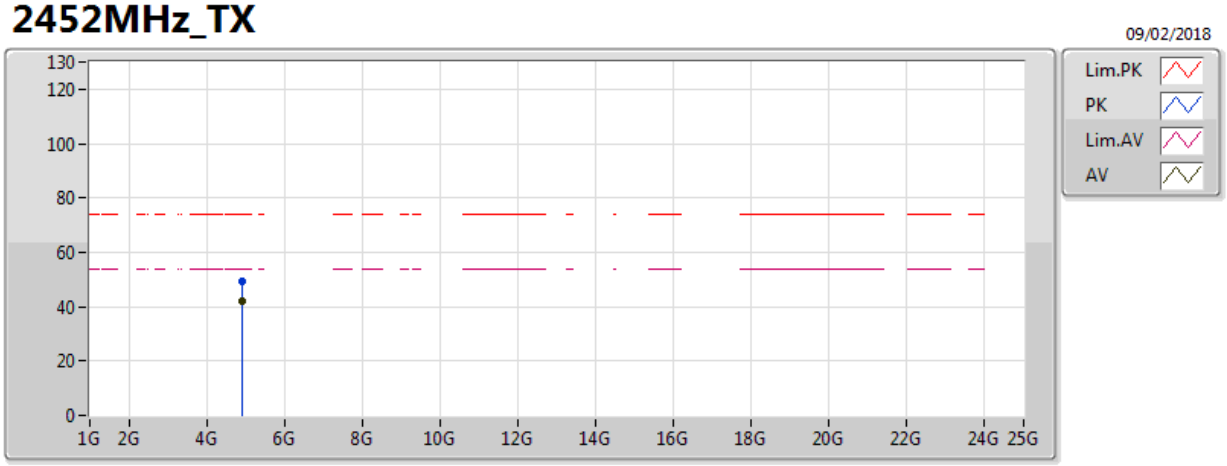


20180207
EUT Z 2TX(Dipole)
Setting 16.5
06-J-6
FSP
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.388G	47.08	54.00	-6.92	32.11	3	Vertical	10	1.02	-
AV	2.444G	98.82	Inf	-Inf	32.29	3	Vertical	10	1.02	-
AV	2.4844G	52.36	54.00	-1.64	32.42	3	Vertical	10	1.02	-
PK	2.3848G	64.64	74.00	-9.36	32.10	3	Vertical	10	1.02	-
PK	2.4444G	110.42	Inf	-Inf	32.29	3	Vertical	10	1.02	-
PK	2.4852G	70.83	74.00	-3.17	32.43	3	Vertical	10	1.02	-

802.11n HT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX



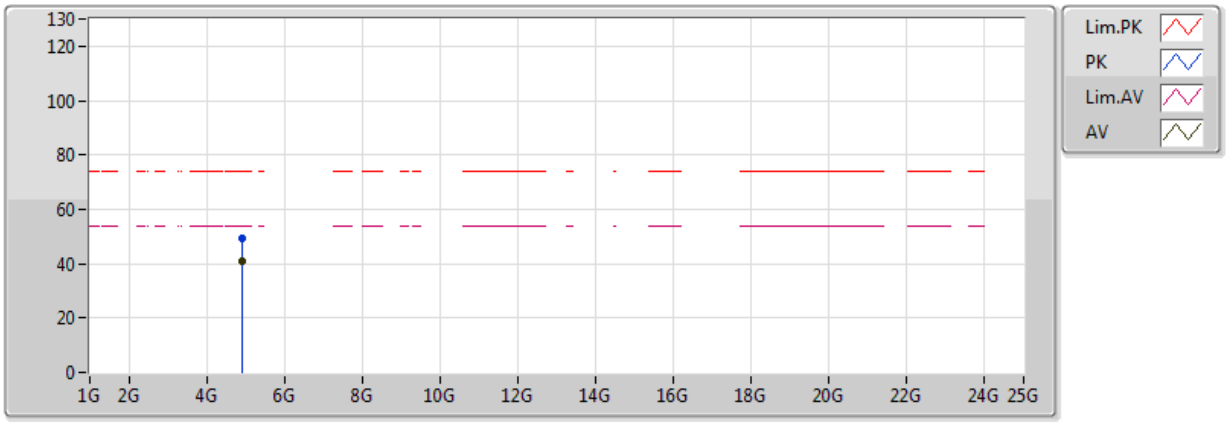
20180207
EUT Z 2TX(Dipole)
Setting 16.5
06-J-6
FSP
Sample Z(↑0.5 OVER)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.90393G	42.22	54.00	-11.78	6.92	3	Vertical	184	1.50	-
PK	4.90389G	49.27	74.00	-24.73	6.92	3	Vertical	184	1.50	-

802.11n HT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

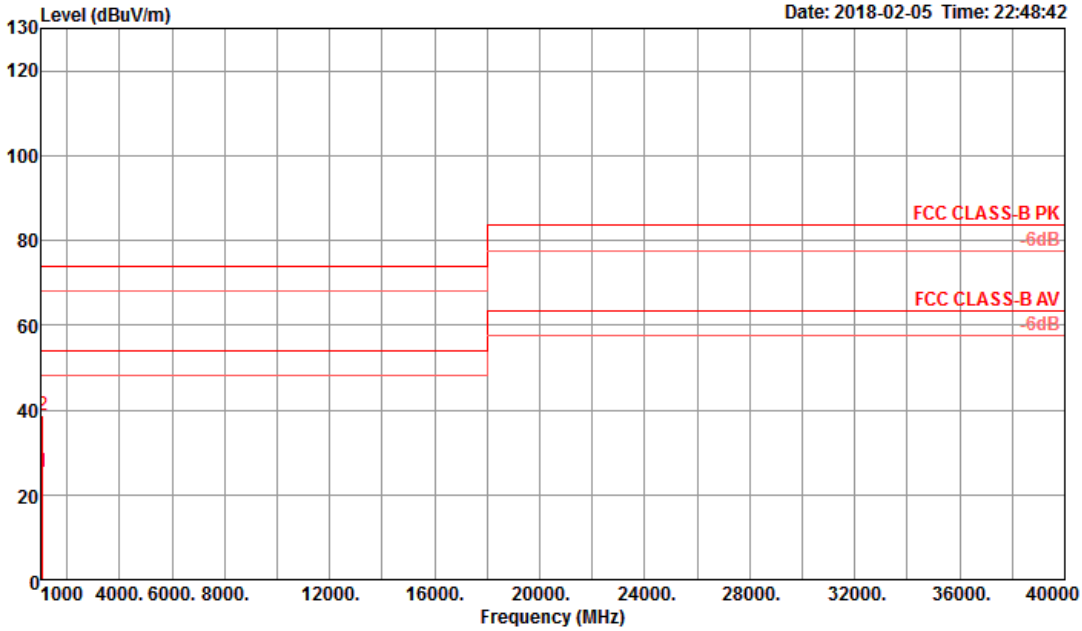
09/02/2018



20180207
EUT Z 2TX(Dipole)
Setting 16.5
06-J-6
FSP
Sample Z(↑0.5 OVER)

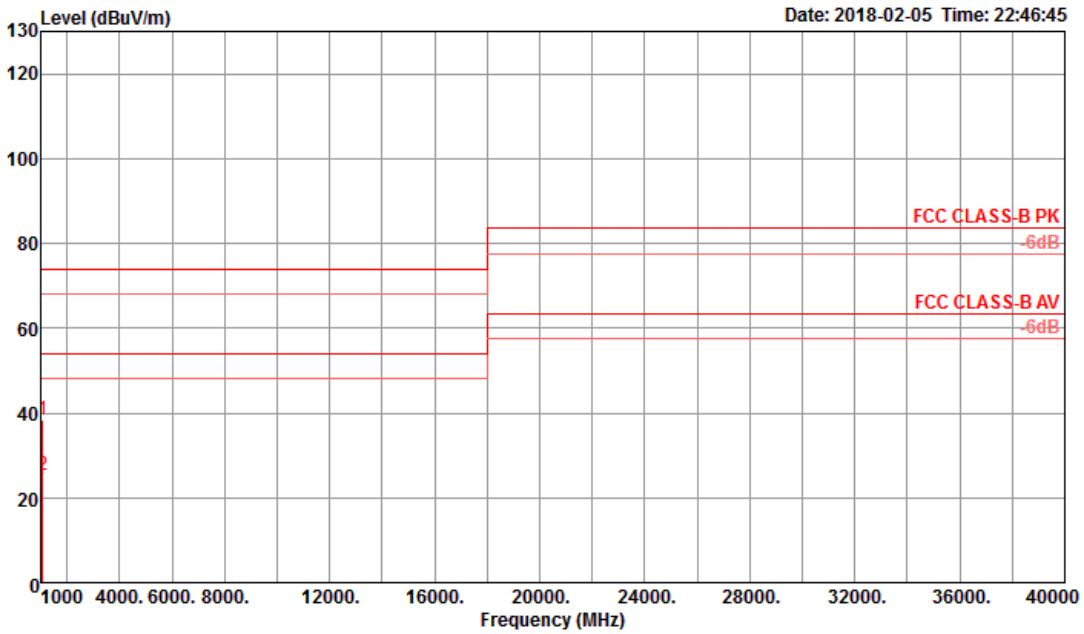
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.90402G	40.94	54.00	-13.06	6.92	3	Horizontal	153	1.00	-
PK	4.90372G	49.35	74.00	-24.65	6.92	3	Horizontal	153	1.00	-

RSE Co-location Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	Normal Link - EUT in Z axis - Radio 1 (WLAN 2.4GHz) + Radio 3 (WLAN 5GHz Band 4)		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1075.81	25.43	54.00	-28.57	34.55	2.65	23.88	35.65	124	181	Average	HORIZONTAL
2	1076.19	38.78	74.00	-35.22	47.90	2.65	23.88	35.65	124	181	Peak	HORIZONTAL

RSE Co-location Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	Normal Link - EUT in Z axis - Radio 1 (WLAN 2.4GHz) + Radio 3 (WLAN 5GHz Band 4)		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1076.05	38.49	74.00	-35.51	47.61	2.65	23.88	35.65	113	118	Peak	VERTICAL
2	1076.39	25.22	54.00	-28.78	34.34	2.65	23.88	35.65	113	118	Average	VERTICAL