FCC Test Report

Equipment	:	1000 Mbps Powerline AC900 Wireless Extender
Brand Name	:	ZYXEL
Model No.	:	PLA5236
FCC ID	:	I88PLA5236
Standard	:	47 CFR FCC Part 15.247
Operating Band	:	2400 MHz – 2483.5 MHz
Function	:	☒ Point-to-multipoint; ☐ Point-to-point
Applicant	:	Zyxel Communications Corporation No.2 Industry East Road IX, Science Park,Hsinchu,Taiwan
Manufacturer	:	Zyxel Communications Corporation No.2 Industry East Road IX, Science Park,Hsinchu,Taiwan

The product sample received on Nov. 28, 2016 and completely tested on Dec. 16, 2016. 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

Table of Contents

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
FR6N2802AA	Rev. 01	Initial issue of report	Jan. 03, 2017

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
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
2.4G	11b	20	1
2.4G	11g	20	1
2.4G	HT20	20	2
2.4G	HT40	40	2

Note:
- 2.4G is the 2.4GHz Band (2.4-2.4835GHz).
- 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.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	
					2.4G	5G
1	ARISTOTLE	RFA-25-Z3-70-100T	Dipole Ant.	I-PEX	1.61	2.78
2	ARISTOTLE	RFA-25-Z3-70-100T	Dipole Ant.	I-PEX	1.61	2.78

Note: The EUT has two antennas.

Chain 1 (Port 1) connect to Ant.1, Chain 2 (Port 2) connect to Ant.2.

<For 2.4GHz Band>

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

Only Chain 1 (Port 1) can be used as transmitting antenna and receiving antenna.

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

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

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

<For 5GHz Band>

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

Only Chain 2 (Port 2) can be used as transmitting antenna and receiving antenna.

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

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

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

1.1.3 Mode Test Duty Cycle

Mode	DC	T(s)	VBW(Hz) ≥ 1/T
11b	0.998	n/a (DC>=0.98)	n/a (DC>=0.98)
11g	0.983	n/a (DC>=0.98)	n/a (DC>=0.98)
HT20	0.983	n/a (DC>=0.98)	n/a (DC>=0.98)
HT40	0.952	930u	3k

1.1.4 EUT Operational Condition

EUT Power Type	Internal power supply			
Beamforming Function	☐	With beamforming	☒	Without beamforming

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 v03r05
- FCC KDB 662911 D01 v02r01
- FCC KDB 412172 D01 v01

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	Ron Huang	25°C / 75%	Dec. 05, 2016
Radiated	03CH01-CB	Brian Sun / Stim Sung	22°C / 54%	Dec. 02, 2016~ Dec. 06, 2016
AC Conduction	CO01-CB	Edison Lin	20°C / 58%	Dec. 16, 2016

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%

2 Test Configuration of EUT

2.1 Test Channel Mode

Band	Mode	BWch (MHz)	Nss-Min	Nant	Ch. (MHz)	Range	Power Setting
2.4G	11b	20	1	1	2412	L	81
2.4G	11b	20	1	1	2437	M	90
2.4G	11b	20	1	1	2462	H	82
2.4G	11g	20	1	1	2412	L	70
2.4G	11g	20	1	1	2437	M	80
2.4G	11g	20	1	1	2462	H	70
2.4G	HT20	20	1,(M0)	2	2412	L	65
2.4G	HT20	20	1,(M0)	2	2437	M	80
2.4G	HT20	20	1,(M0)	2	2462	H	64
2.4G	HT40	40	1,(M0)	2	2422	L	60
2.4G	HT40	40	1,(M0)	2	2437	M	69
2.4G	HT40	40	1,(M0)	2	2452	H	60

Note:
- Test range channel consist of L (Low Ch.), M (Middle Ch.), H (High Ch.), S (Single Ch.) and C (Straddle Band Ch.).

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	CTX
1	WLAN 2.4GHz
2	WLAN 5GHz
For operating mode 1 is the worst case and it was record in this test report.	

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

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	CTX
1	2.4G WLAN_EUT at Y-axis
2	2.4G WLAN_EUT at Z-axis
3	5G WLAN_EUT at Y-axis
4	5G WLAN_EUT at Z-axis
For operating mode 3 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT can be placed Z-axis and Y-axis. After evaluating, while EUT at Y-axis generated the worst case. Thus, the test below will follow this configuration.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	WLAN 2.4GHz + WLAN 5GHz_EUT at Y-axis
2	WLAN 2.4GHz + WLAN 5GHz_EUT at Z-axis
For operating mode 1 is the worst case and it was record in this test report.	
Refer to Sporton Test Report No.: FA6N2802 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.3 EUT Operation during Test

During the test, “Mtool 2.0.0.7” under WIN XP was programmed to be in continuously transmitting mode.

2.4 Accessories

RJ-45 Cable*1: Non-Shielded, 1.2m

2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB	DELL	E6430	DoC

For Test Site No: 03CH01-CB

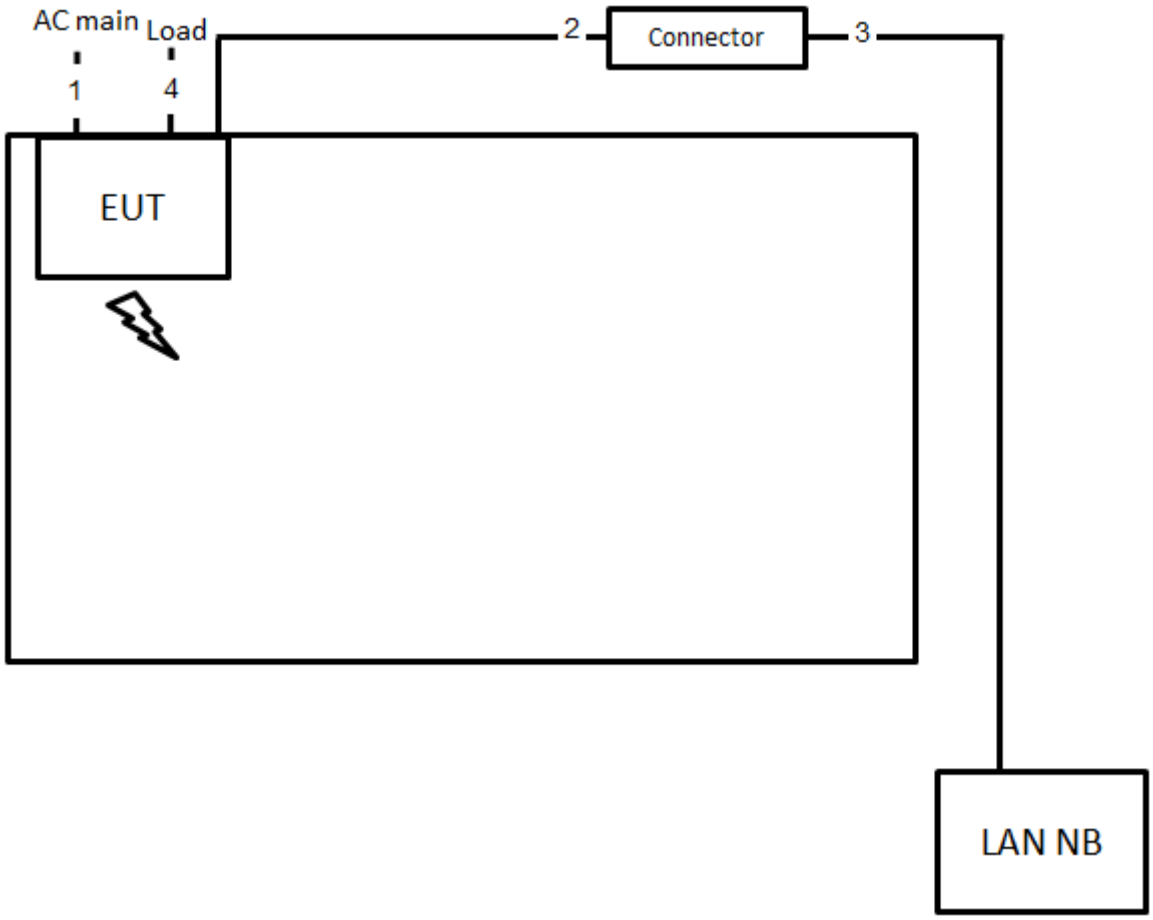
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB	DELL	E4300	DoC

For Test Site No: TH01-CB

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

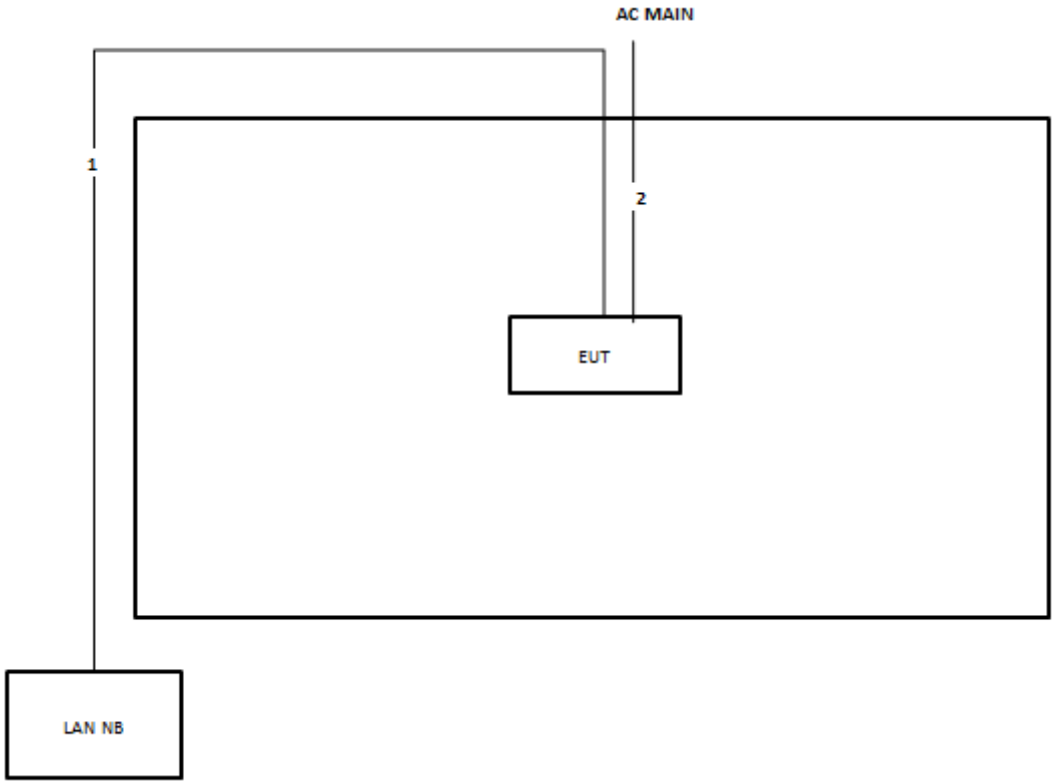
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	Power cable	No	0.8m
2	RJ-45 cable	No	1.2m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	1.2m

Test Setup Diagram - Radiated Test



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

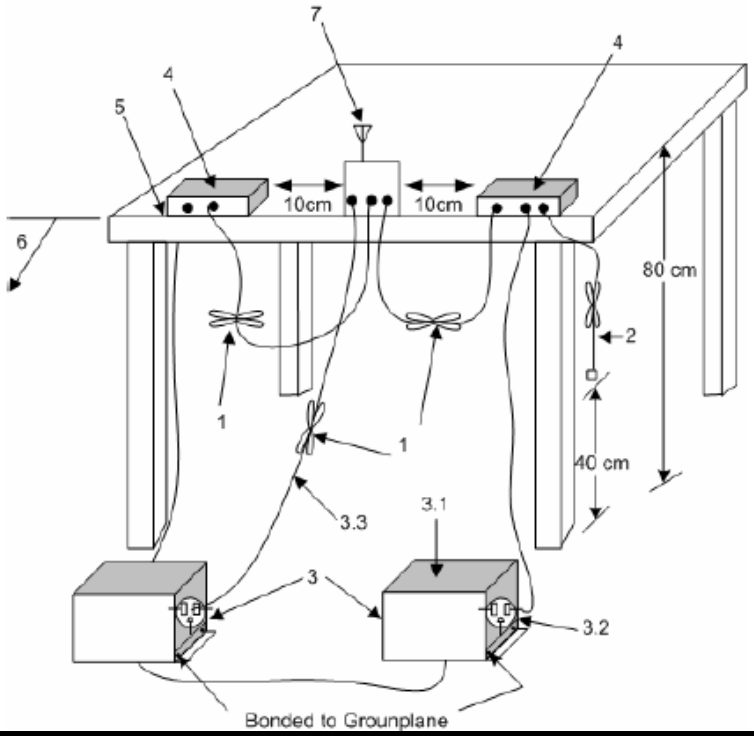
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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.

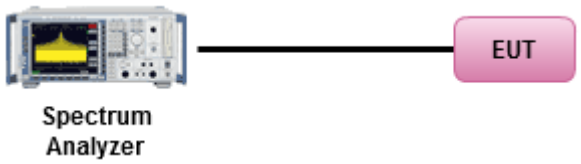
3.2.2 Measuring Instruments

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.		

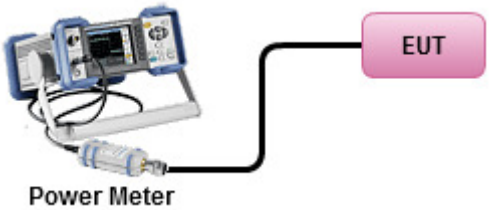
3.3.2 Measuring Instruments

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

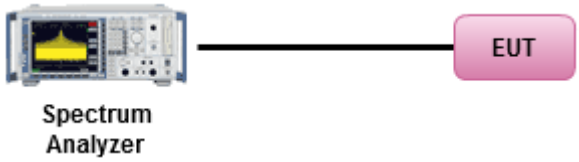
3.4.2 Measuring Instruments

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
 Spectrum Analyzer

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

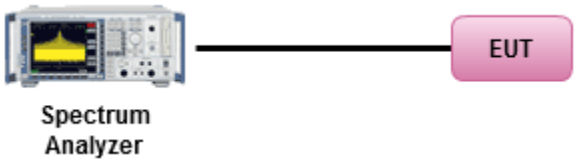
Refer a test equipment and calibration data table in this test report.

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.

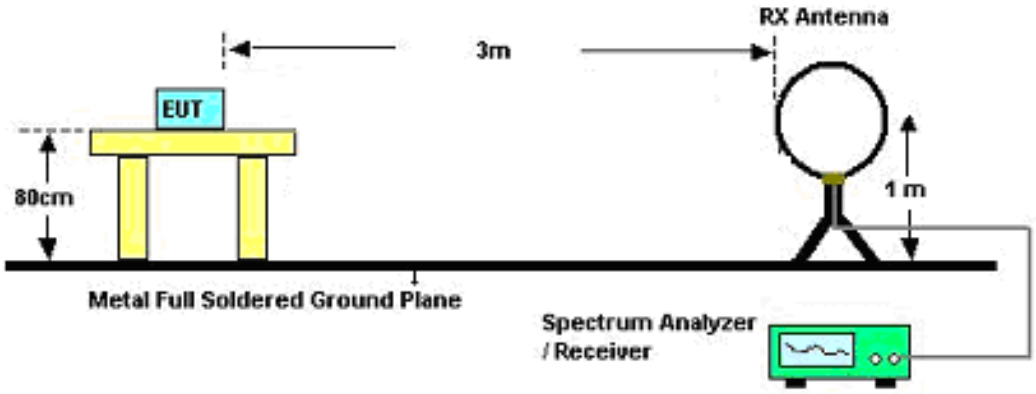
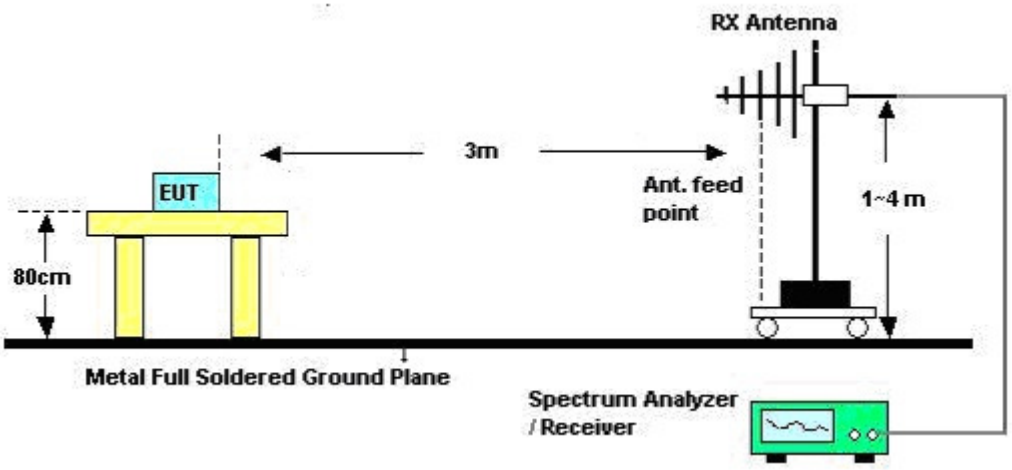
3.6.2 Measuring Instruments

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

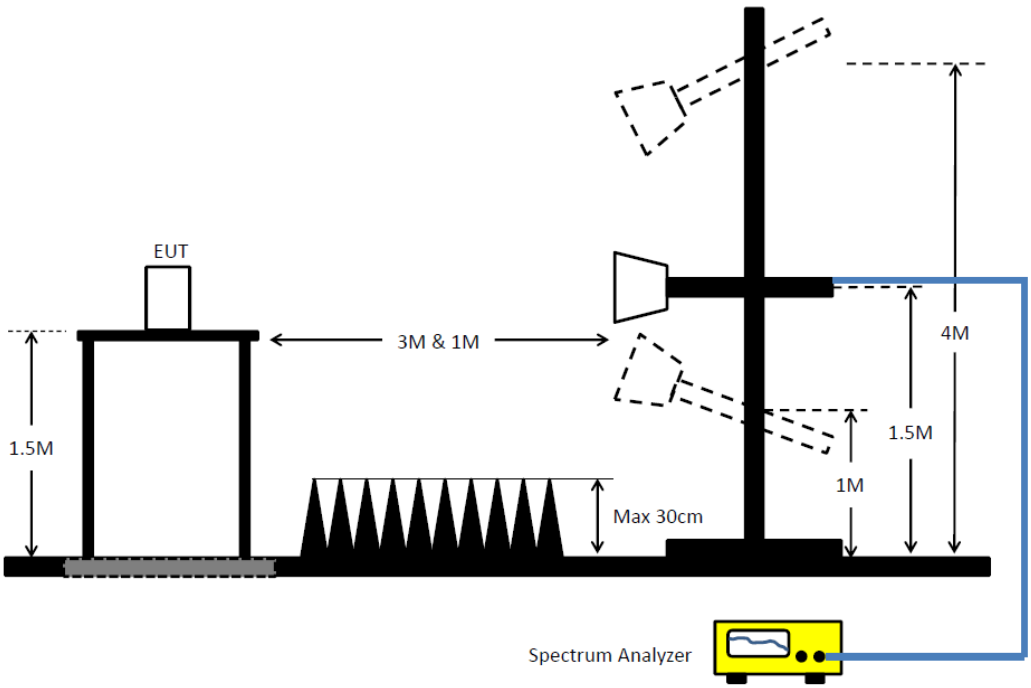
3.6.3 Test Procedures

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	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 27, 2016	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 23, 2016	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 15, 2016	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 24, 2016	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA with 6dB Attenator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 30, 2016	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 10, 2016	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 25, 2016	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10991	0.1MHz ~ 1.3GHz	Mar. 15, 2016	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 18, 2016	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jun. 28, 2016	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 21, 2016	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 16, 2016	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Radiation (03CH01-CB)

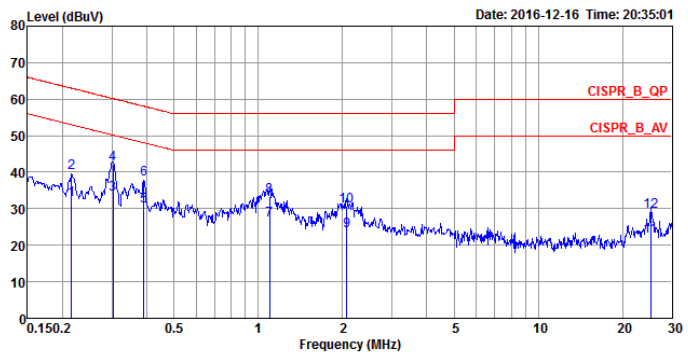
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Test Software	Audix	E3	6.2009-l0-7	N/A	N/A	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Jul. 26, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 22, 2016	Conducted (TH01-CB)

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

"*" Calibration Interval of instruments listed above is two years.

NCR means Non-Calibration required.

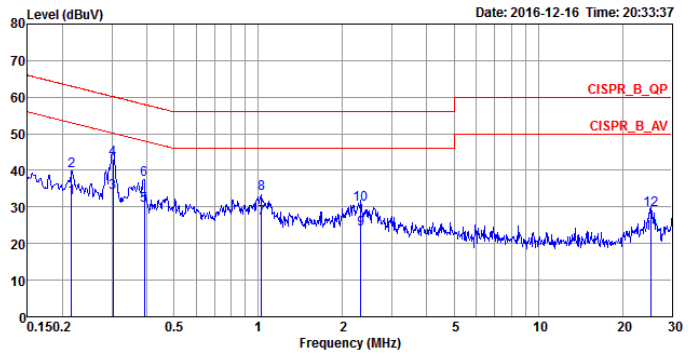
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	CTX		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Pol/Phase	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.2151	32.56	-20.45	53.01	22.47	9.92	0.17	NEUTRAL	Average
2	0.2151	39.82	-23.19	63.01	29.73	9.92	0.17	NEUTRAL	QP
3	0.3035	33.82	-16.33	50.15	23.82	9.92	0.08	NEUTRAL	Average
4	0.3035	42.31	-17.84	60.15	32.31	9.92	0.08	NEUTRAL	QP
5	0.3893	30.83	-17.25	48.08	20.89	9.92	0.02	NEUTRAL	Average
6	0.3893	38.06	-20.02	58.08	28.12	9.92	0.02	NEUTRAL	QP
7	1.0997	26.74	-19.26	46.00	16.15	9.94	0.65	NEUTRAL	Average
8	1.0997	33.39	-22.61	56.00	22.80	9.94	0.65	NEUTRAL	QP
9	2.0659	23.86	-22.14	46.00	13.84	9.96	0.06	NEUTRAL	Average
10	2.0659	30.59	-25.41	56.00	20.57	9.96	0.06	NEUTRAL	QP
11	25.1876	22.39	-27.61	50.00	11.67	10.45	0.27	NEUTRAL	Average
12	25.1876	29.17	-30.83	60.00	18.45	10.45	0.27	NEUTRAL	QP

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	CTX		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Pol/Phase	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.2151	32.51	-20.50	53.01	22.42	9.92	0.17	LINE	Average
2	0.2151	39.89	-23.12	63.01	29.80	9.92	0.17	LINE	QP
3	0.3035	34.08	-16.07	50.15	24.08	9.92	0.08	LINE	Average
4	0.3035	43.05	-17.10	60.15	33.05	9.92	0.08	LINE	QP
5	0.3914	30.34	-17.69	48.03	20.40	9.92	0.02	LINE	Average
6	0.3914	37.50	-20.53	58.03	27.56	9.92	0.02	LINE	QP
7	1.0265	26.81	-19.19	46.00	16.15	9.94	0.72	LINE	Average
8	1.0265	33.64	-22.36	56.00	22.98	9.94	0.72	LINE	QP
9	2.3213	23.87	-22.13	46.00	13.84	9.96	0.07	LINE	Average
10	2.3213	30.73	-25.27	56.00	20.70	9.96	0.07	LINE	QP
11	25.3214	22.63	-27.37	50.00	11.91	10.45	0.27	LINE	Average
12	25.3214	29.31	-30.69	60.00	18.59	10.45	0.27	LINE	QP

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.)

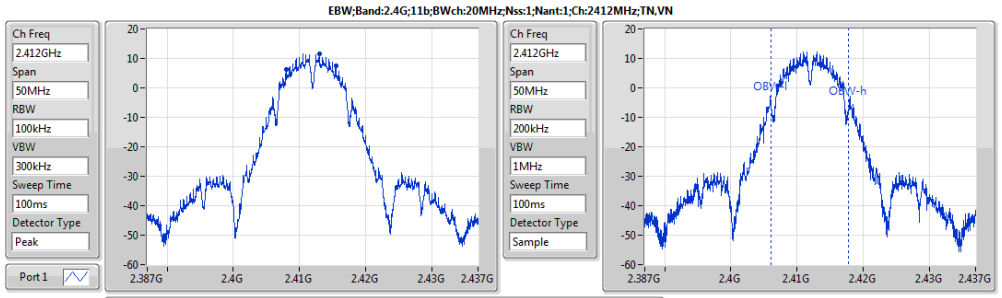
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4G;11b;Nss1;Ntx1	7.55M	12.694M	12M7G1D	7.025M	11.719M
2.4G;11g;Nss1;Ntx1	16.325M	16.617M	16M6D1D	16.325M	16.542M
2.4G;HT20;Nss1,(M0);Ntx2	17.575M	17.816M	17M8D1D	17.575M	17.741M
2.4G;HT40;Nss1,(M0);Ntx2	35.45M	35.882M	35M9D1D	35.1M	35.782M

Result

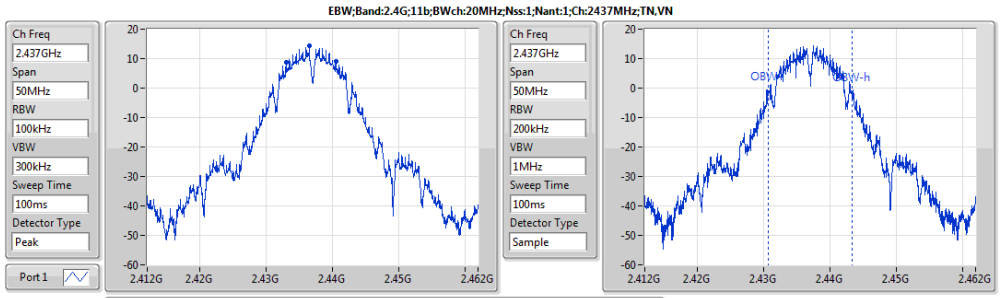
Mode	Result	Limit (Hz)	P1-N dB (Hz)	P1-OBW (Hz)	P2-N dB (Hz)	P2-OBW (Hz)
2.4G;11b;Nss1;Ntx1;2412	Pass	500k	7.525M	11.744M		
2.4G;11b;Nss1;Ntx1;2437	Pass	500k	7.55M	12.694M		
2.4G;11b;Nss1;Ntx1;2462	Pass	500k	7.025M	11.719M		
2.4G;11g;Nss1;Ntx1;2412	Pass	500k	16.325M	16.542M		
2.4G;11g;Nss1;Ntx1;2437	Pass	500k	16.325M	16.617M		
2.4G;11g;Nss1;Ntx1;2462	Pass	500k	16.325M	16.567M		
2.4G;HT20;Nss1,(M0);Ntx2;2412	Pass	500k	17.575M	17.766M	17.575M	17.741M
2.4G;HT20;Nss1,(M0);Ntx2;2437	Pass	500k	17.575M	17.816M	17.575M	17.816M
2.4G;HT20;Nss1,(M0);Ntx2;2462	Pass	500k	17.575M	17.766M	17.575M	17.741M
2.4G;HT40;Nss1,(M0);Ntx2;2422	Pass	500k	35.3M	35.782M	35.2M	35.832M
2.4G;HT40;Nss1,(M0);Ntx2;2437	Pass	500k	35.45M	35.782M	35.35M	35.782M
2.4G;HT40;Nss1,(M0);Ntx2;2452	Pass	500k	35.35M	35.882M	35.1M	35.882M

EBW;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2412MHz;TN,VN



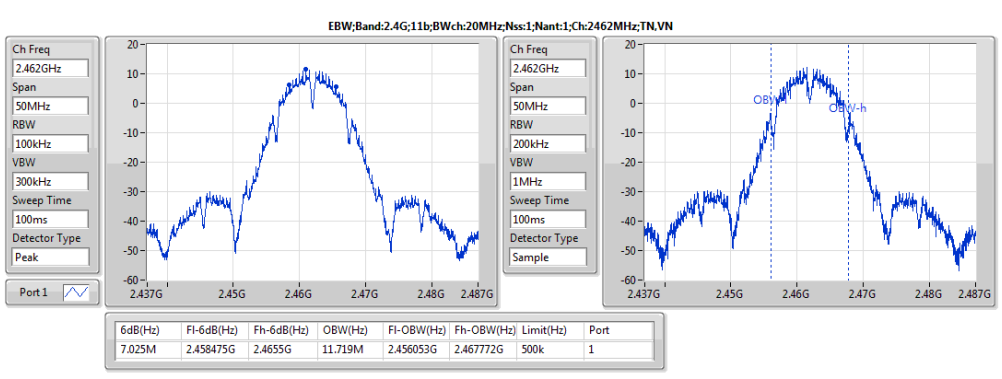
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.525M	2.407975G	2.4155G	11.744M	2.406103G	2.417847G	500k	1

EBW;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2437MHz;TN,VN



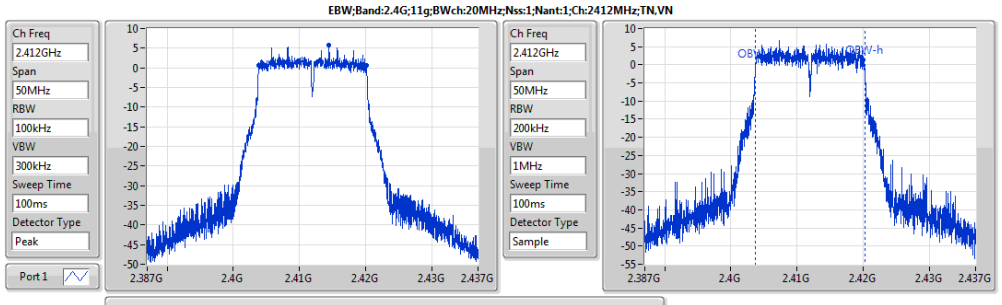
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.432975G	2.440525G	12.694M	2.430678G	2.443372G	500k	1

EBW;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2462MHz;TN,VN



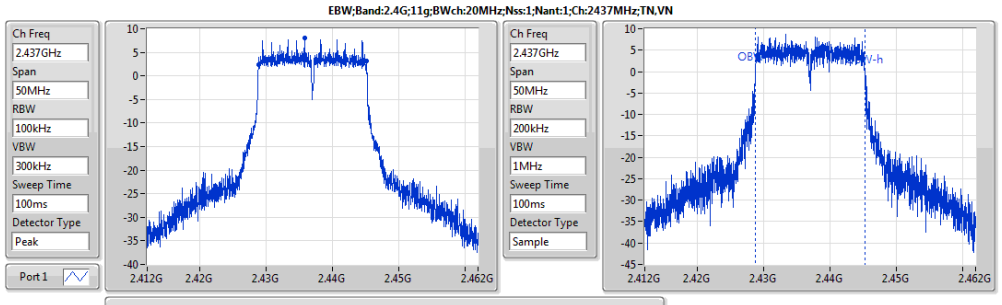
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.458475G	2.4655G	11.719M	2.456053G	2.467772G	500k	1

EBW;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2412MHz;TN,VN



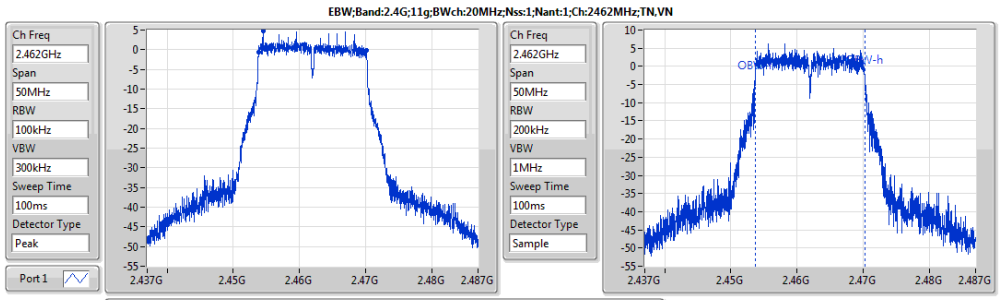
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.403825G	2.42015G	16.542M	2.403704G	2.420246G	500k	1

EBW;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2437MHz;TN,VN



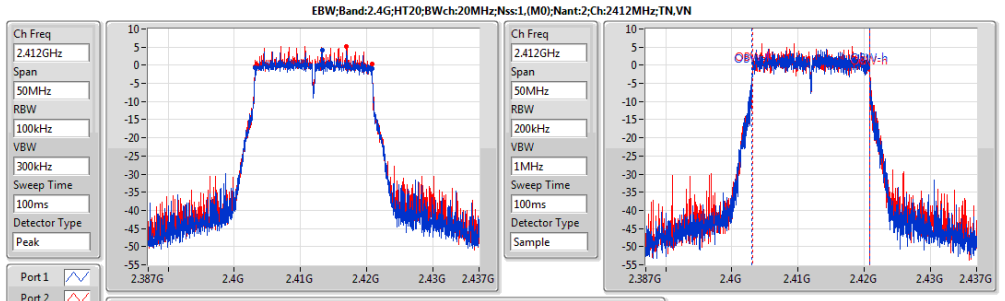
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	16.617M	2.428679G	2.445296G	500k	1

EBW;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2462MHz;TN,VN



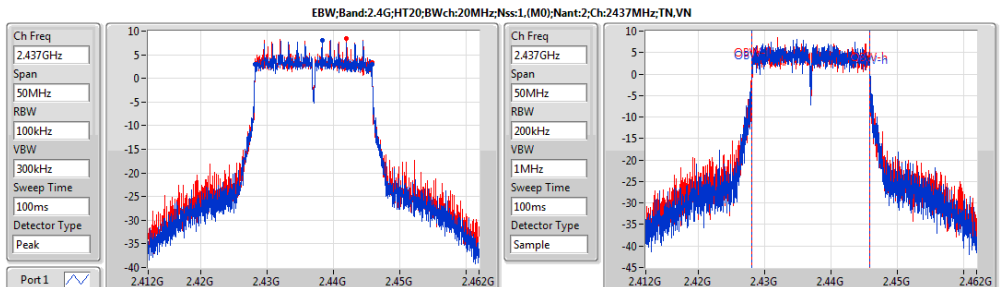
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.567M	2.453679G	2.470246G	500k	1

EBW;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2412MHz;TN,VN



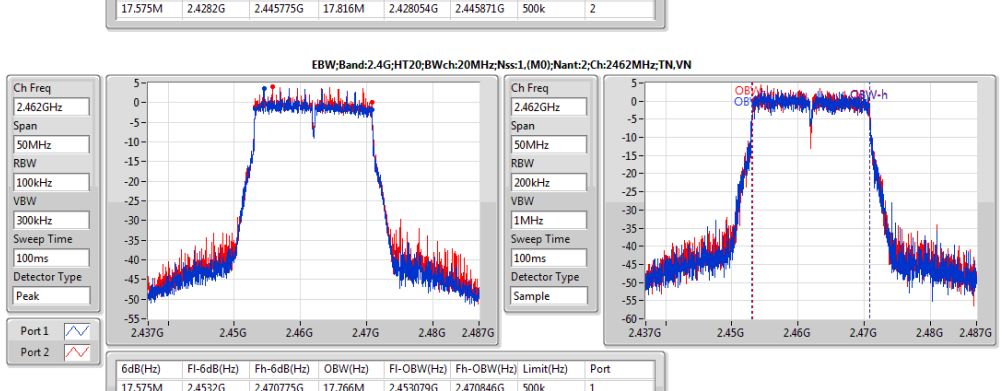
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.4032G	2.420775G	17.766M	2.403079G	2.420846G	500k	1
17.575M	2.4032G	2.420775G	17.741M	2.403104G	2.420846G	500k	2

EBW;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TN,VN



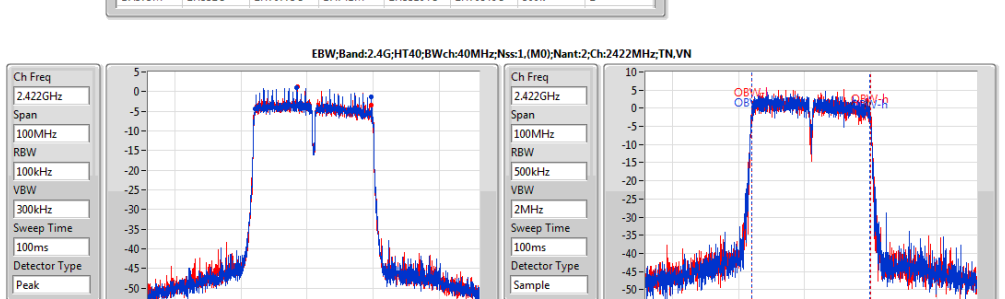
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.4282G	2.445775G	17.816M	2.428079G	2.445896G	500k	1
17.575M	2.4282G	2.445775G	17.816M	2.428054G	2.445871G	500k	2

EBW;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2462MHz;TN,VN



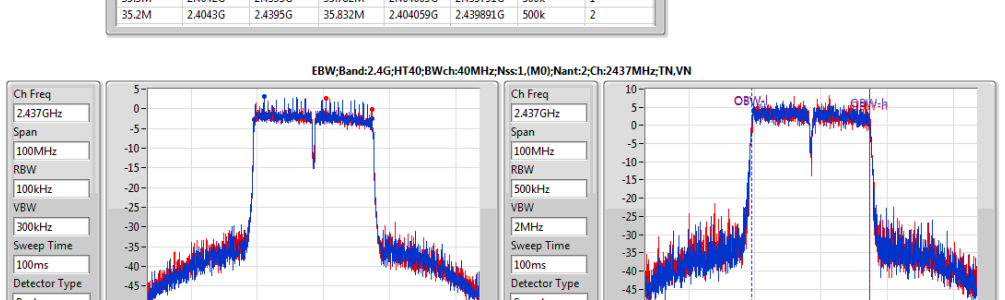
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.4532G	2.470775G	17.766M	2.453079G	2.470846G	500k	1
17.575M	2.4532G	2.470775G	17.741M	2.453104G	2.470846G	500k	2

EBW;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2422MHz;TN,VN



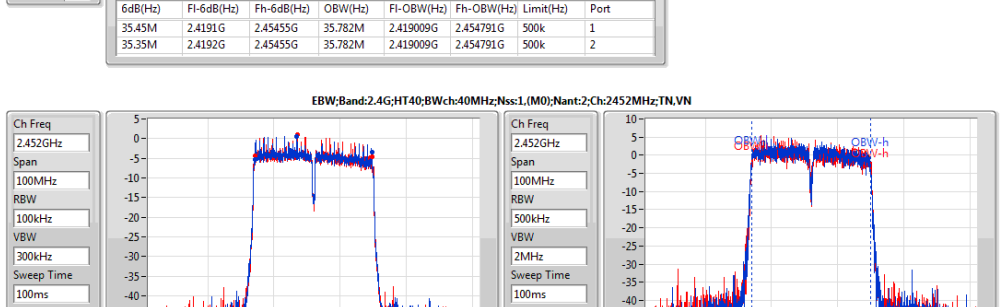
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.3M	2.4042G	2.4395G	35.782M	2.404009G	2.439791G	500k	1
35.2M	2.4043G	2.4395G	35.832M	2.404059G	2.439891G	500k	2

EBW;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TN,VN



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.45M	2.4191G	2.45455G	35.782M	2.419009G	2.454791G	500k	1
35.35M	2.4192G	2.45455G	35.782M	2.419009G	2.454791G	500k	2

EBW;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2452MHz;TN,VN



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.35M	2.4342G	2.46955G	35.882M	2.433959G	2.469841G	500k	1
35.1M	2.43445G	2.46955G	35.882M	2.434009G	2.469891G	500k	2

Summary

Mode	Sum (dBm)	Sum (W)	EIRP (dBm)	EIRP (W)
2.4G;11b;Nss1;Ntx1	22.81	0.19099	24.42	0.27669
2.4G;11g;Nss1;Ntx1	20.12	0.1028	21.73	0.14894
2.4G;HT20;Nss1,(M0);Ntx2	22.98	0.19861	24.59	0.28774
2.4G;HT40;Nss1,(M0);Ntx2	20.39	0.1094	22.00	0.15849

Result

Mode	Result	DG (dBi)	Sum (dBm)	Sum Lim. (dBm)	EIRP (dBm)	EIRP Lim. (dBm)	P1 (dBm)	P2 (dBm)
2.4G;11b;Nss1;Ntx1;2412	Pass	1.61	20.29	30.00	21.90	36.00	20.29	
2.4G;11b;Nss1;Ntx1;2437	Pass	1.61	22.81	30.00	24.42	36.00	22.81	
2.4G;11b;Nss1;Ntx1;2462	Pass	1.61	20.60	30.00	22.21	36.00	20.60	
2.4G;11g;Nss1;Ntx1;2412	Pass	1.61	17.53	30.00	19.14	36.00	17.53	
2.4G;11g;Nss1;Ntx1;2437	Pass	1.61	20.12	30.00	21.73	36.00	20.12	
2.4G;11g;Nss1;Ntx1;2462	Pass	1.61	17.43	30.00	19.04	36.00	17.43	
2.4G;HT20;Nss1,(M0);Ntx2;2412	Pass	1.61	19.52	30.00	21.13	36.00	16.23	16.77
2.4G;HT20;Nss1,(M0);Ntx2;2437	Pass	1.61	22.98	30.00	24.59	36.00	19.95	19.98
2.4G;HT20;Nss1,(M0);Ntx2;2462	Pass	1.61	19.18	30.00	20.79	36.00	16.05	16.29
2.4G;HT40;Nss1,(M0);Ntx2;2422	Pass	1.61	18.09	30.00	19.70	36.00	15.16	14.99
2.4G;HT40;Nss1,(M0);Ntx2;2437	Pass	1.61	20.39	30.00	22.00	36.00	17.47	17.29
2.4G;HT40;Nss1,(M0);Ntx2;2452	Pass	1.61	18.03	30.00	19.64	36.00	14.98	15.05

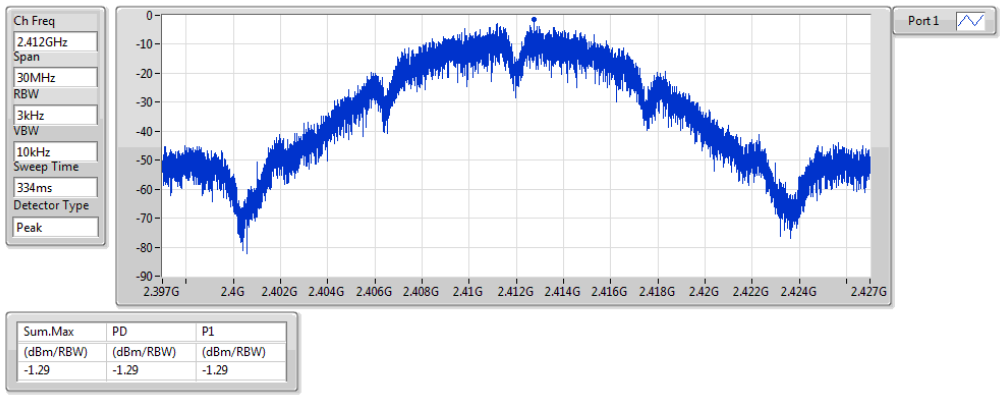
Summary

Mode	PD (dBm/RBW)	EIRP.PD (dBm/RBW)
2.4G;11b;Nss1;Ntx1	-1.29	0.32
2.4G;11g;Nss1;Ntx1	-5.72	-4.11
2.4G;HT20;Nss1,(M0);Ntx2	-5.56	-0.94
2.4G;HT40;Nss1,(M0);Ntx2	-9.47	-4.85

Result

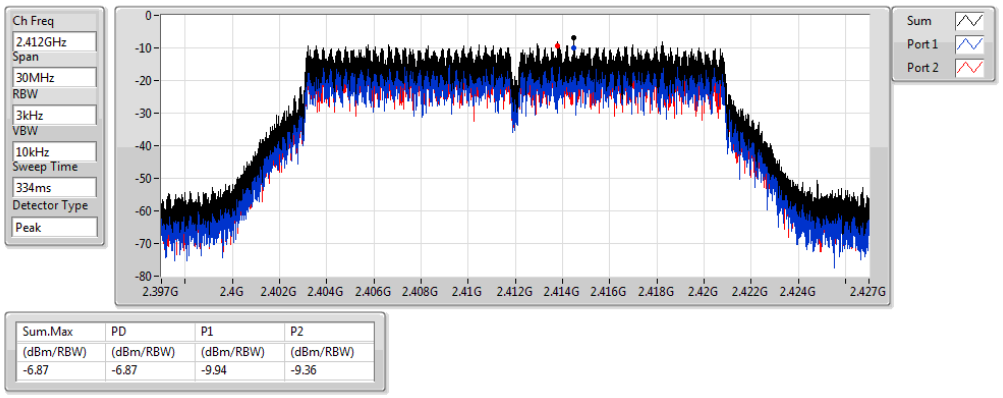
Mode	Result	DG (dBi)	PD (dBm/RBW)	PD.Limit (dBm/RBW)	P1 (dBm/RBW)	P2 (dBm/RBW)
2.4G;11b;Nss1;Ntx1;2412	Pass	1.61	-1.29	8.00	-1.29	
2.4G;11b;Nss1;Ntx1;2437	Pass	1.61	-1.83	8.00	-1.83	
2.4G;11b;Nss1;Ntx1;2462	Pass	1.61	-3.51	8.00	-3.51	
2.4G;11g;Nss1;Ntx1;2412	Pass	1.61	-7.94	8.00	-7.94	
2.4G;11g;Nss1;Ntx1;2437	Pass	1.61	-5.72	8.00	-5.72	
2.4G;11g;Nss1;Ntx1;2462	Pass	1.61	-8.37	8.00	-8.37	
2.4G;HT20;Nss1,(M0);Ntx2;2412	Pass	4.62	-6.87	8.00	-9.94	-9.36
2.4G;HT20;Nss1,(M0);Ntx2;2437	Pass	4.62	-5.56	8.00	-7.27	-6.64
2.4G;HT20;Nss1,(M0);Ntx2;2462	Pass	4.62	-7.72	8.00	-8.06	-11.16
2.4G;HT40;Nss1,(M0);Ntx2;2422	Pass	4.62	-11.75	8.00	-13.00	-13.52
2.4G;HT40;Nss1,(M0);Ntx2;2437	Pass	4.62	-9.47	8.00	-12.12	-11.30
2.4G;HT40;Nss1,(M0);Ntx2;2452	Pass	4.62	-12.50	8.00	-14.15	-13.58

PSD;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2412MHz;TN,VN



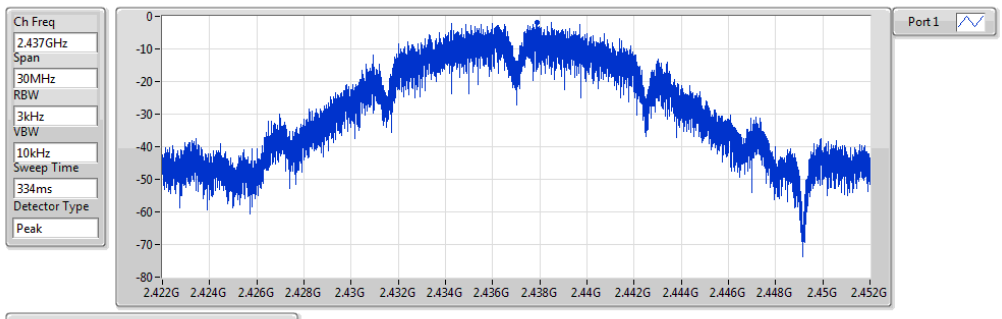
Sum.Max	PD	P1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.29	-1.29	-1.29

PSD;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2412MHz;TN,VN



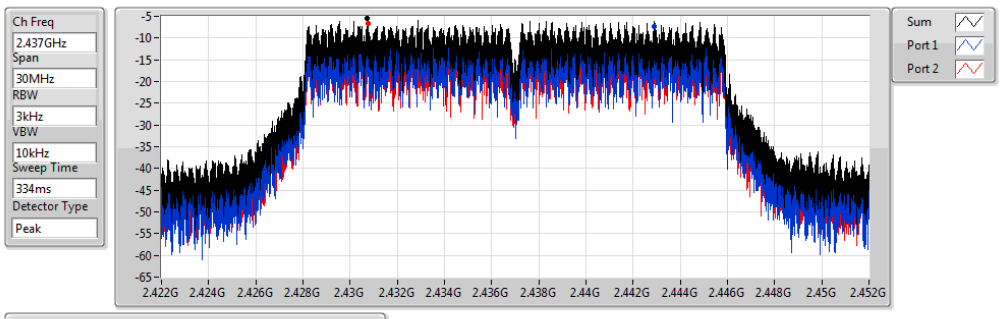
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.87	-6.87	-9.94	-9.36

PSD;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2437MHz;TN,VN



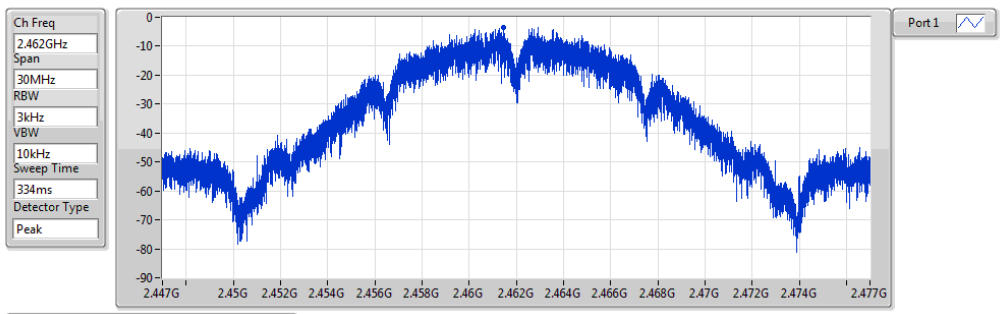
Sum.Max	PD	P1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.83	-1.83	-1.83

PSD;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TN,VN



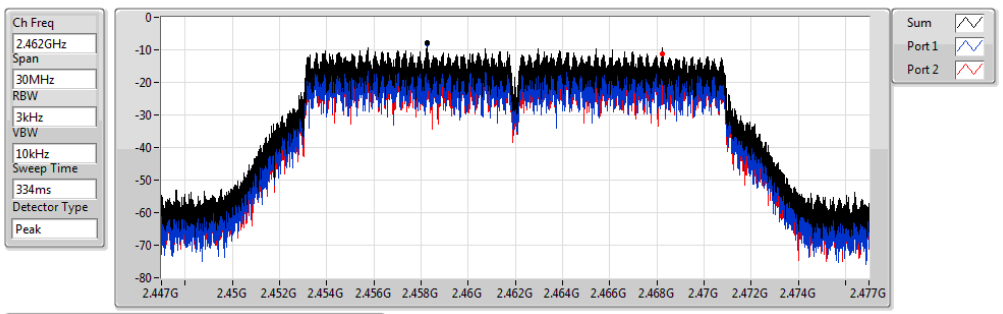
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.56	-5.56	-7.27	-6.64

PSD;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2462MHz;TN,VN



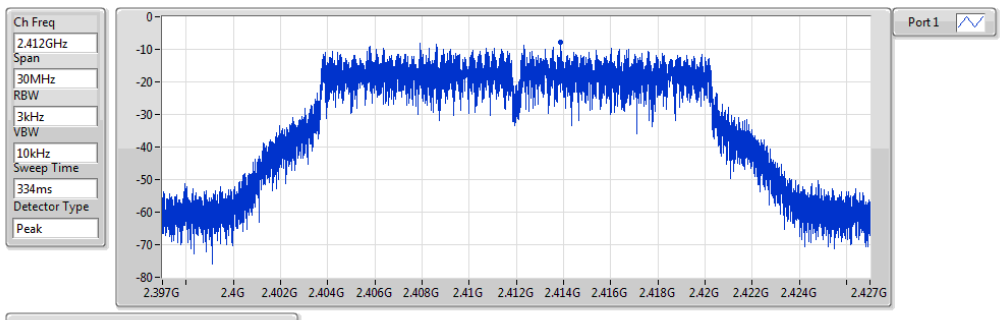
Sum.Max	PD	P1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.51	-3.51	-3.51

PSD;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2462MHz;TN,VN



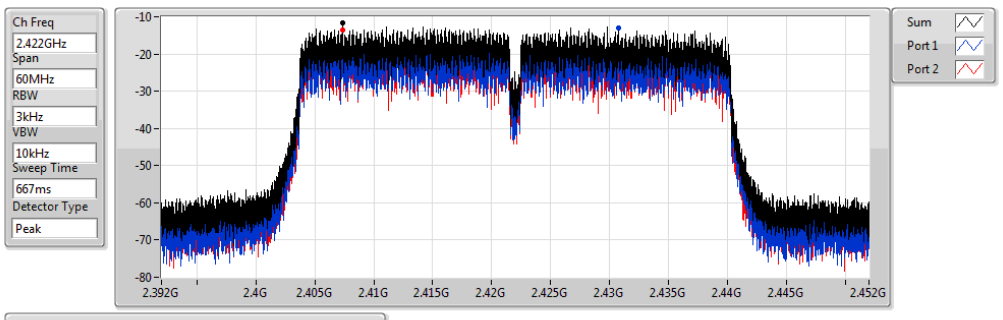
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.72	-7.72	-8.06	-11.16

PSD;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2412MHz;TN,VN



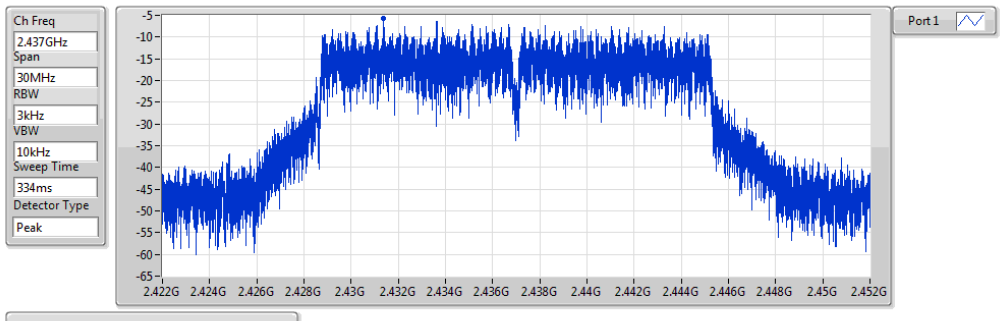
Sum.Max	PD	P1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.94	-7.94	-7.94

PSD;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2422MHz;TN,VN



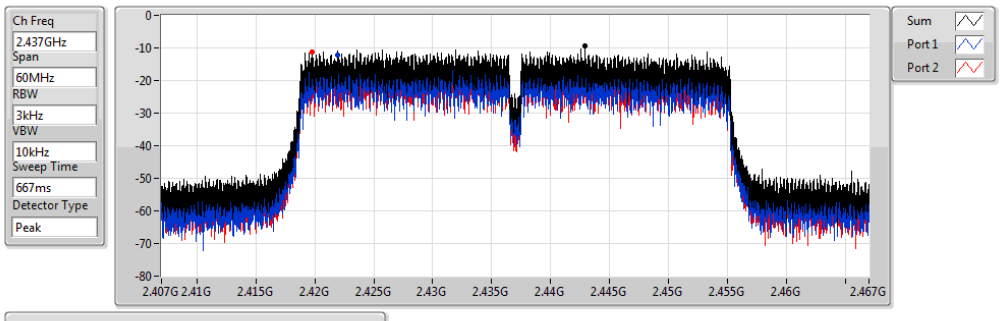
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.75	-11.75	-13.00	-13.52

PSD;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2437MHz;TN,VN



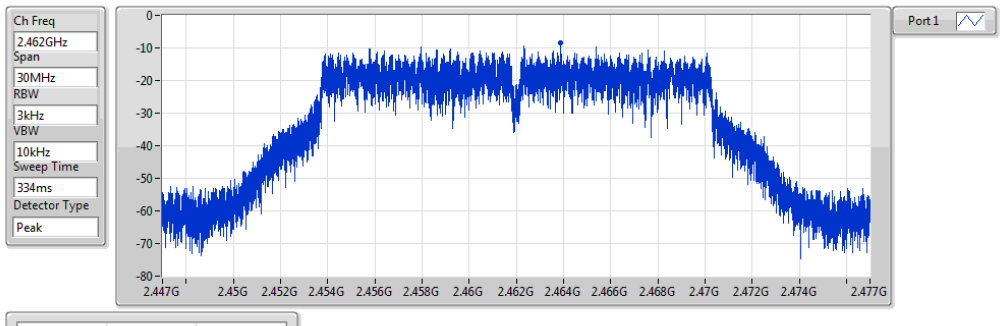
Sum.Max	PD	P1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.72	-5.72	-5.72

PSD;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TN,VN



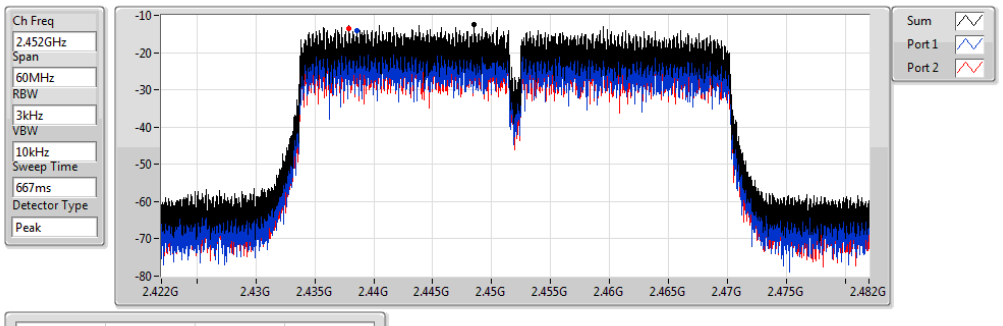
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.47	-9.47	-12.12	-11.30

PSD;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2462MHz;TN,VN



Sum.Max	PD	P1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.37	-8.37	-8.37

PSD;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2452MHz;TN,VN



Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.50	-12.50	-14.15	-13.58

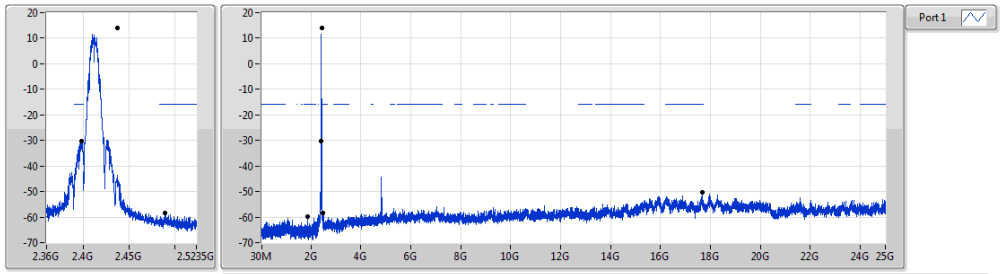
Summary

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
2.4G;11g;Nss1;Ntx1;2412	Pass	2.429559G	7.82	-22.18	2.11768G	-59.95	2.39872G	-29.98	2.48382G	-56.60	17.61647G	-50.56	1

Result

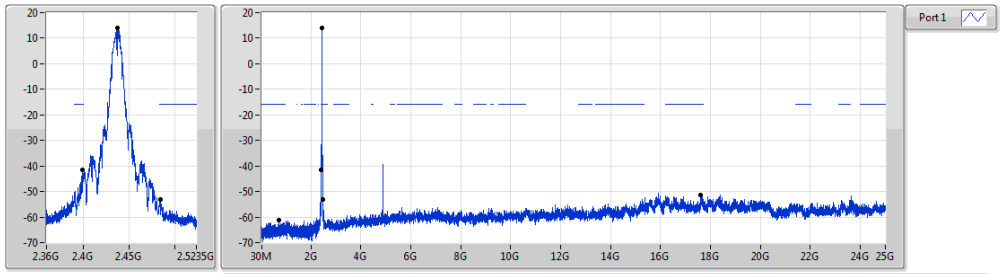
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4G;11b;Nss1;Ntx1;2412	Pass	2.437408G	14.03	-15.97	1.8474G	-59.81	2.398G	-30.13	2.48894G	-58.29	17.672661G	-50.31	1
2.4G;11b;Nss1;Ntx1;2437	Pass	2.437408G	14.03	-15.97	709.195M	-61.25	2.39952G	-41.58	2.48398G	-53.25	17.61647G	-51.50	1
2.4G;11b;Nss1;Ntx1;2462	Pass	2.437408G	14.03	-15.97	1.8474G	-58.87	2.39984G	-56.23	2.48702G	-42.94	17.644565G	-51.80	1
2.4G;11g;Nss1;Ntx1;2412	Pass	2.429559G	7.82	-22.18	2.11768G	-59.95	2.39872G	-29.98	2.48382G	-56.60	17.61647G	-50.56	1
2.4G;11g;Nss1;Ntx1;2437	Pass	2.429559G	7.82	-22.18	1.8474G	-59.03	2.39824G	-33.89	2.4847G	-42.53	16.225736G	-51.26	1
2.4G;11g;Nss1;Ntx1;2462	Pass	2.429559G	7.82	-22.18	1.8474G	-57.64	2.39752G	-55.20	2.48382G	-41.14	17.658613G	-51.57	1
2.4G;HT20;Nss1,(M0);Ntx2;2412	Pass	2.432064G	8.33	-21.67	1.8474G	-58.15	2.39432G	-34.57	2.48486G	-58.38	17.622089G	-51.00	1
2.4G;HT20;Nss1,(M0);Ntx2;2412	Pass	2.432064G	8.33	-21.67	1.8474G	-56.24	2.39992G	-30.34	2.48406G	-59.31	16.248213G	-51.18	2
2.4G;HT20;Nss1,(M0);Ntx2;2437	Pass	2.432064G	8.33	-21.67	1.8474G	-55.64	2.3992G	-38.74	2.4851G	-46.86	17.602422G	-51.27	1
2.4G;HT20;Nss1,(M0);Ntx2;2437	Pass	2.432064G	8.33	-21.67	1.8474G	-56.43	2.39672G	-36.76	2.48478G	-42.98	16.242594G	-51.77	2
2.4G;HT20;Nss1,(M0);Ntx2;2462	Pass	2.432064G	8.33	-21.67	1.8474G	-56.63	2.3996G	-55.38	2.48422G	-44.89	16.228546G	-51.10	1
2.4G;HT20;Nss1,(M0);Ntx2;2462	Pass	2.432064G	8.33	-21.67	1.8474G	-55.58	2.39792G	-55.99	2.48366G	-40.15	17.627708G	-51.08	2
2.4G;HT40;Nss1,(M0);Ntx2;2422	Pass	2.429392G	2.71	-27.29	1.84826G	-57.98	2.39808G	-39.63	2.48894G	-56.90	16.277811G	-51.77	1
2.4G;HT40;Nss1,(M0);Ntx2;2422	Pass	2.429392G	2.71	-27.29	2.307405G	-58.64	2.39088G	-42.70	2.48414G	-55.16	16.583508G	-51.09	2
2.4G;HT40;Nss1,(M0);Ntx2;2437	Pass	2.429392G	2.71	-27.29	1.84826G	-59.16	2.3984G	-35.93	2.48414G	-41.33	16.244156G	-51.57	1
2.4G;HT40;Nss1,(M0);Ntx2;2437	Pass	2.429392G	2.71	-27.29	1.84826G	-59.22	2.39984G	-35.27	2.4843G	-42.12	16.241351G	-51.68	2
2.4G;HT40;Nss1,(M0);Ntx2;2452	Pass	2.429392G	2.71	-27.29	1.84826G	-54.93	2.39536G	-52.58	2.48382G	-44.72	16.224524G	-51.33	1
2.4G;HT40;Nss1,(M0);Ntx2;2452	Pass	2.429392G	2.71	-27.29	1.84826G	-51.77	2.39456G	-48.60	2.48478G	-42.11	17.635219G	-51.56	2

CSE in non-restricted band;PK;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2412MHz;TN,VN



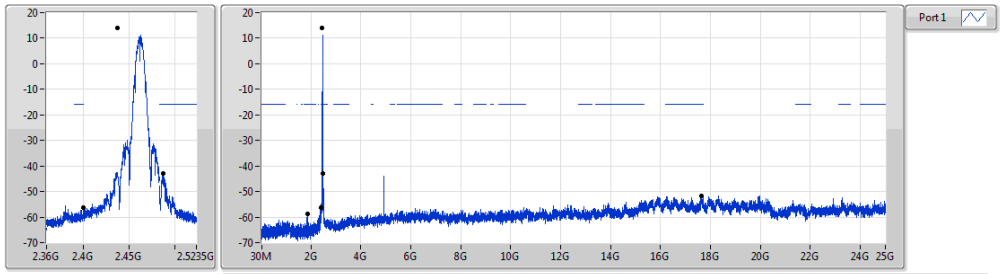
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437408G	14.03	-15.97	1.8474G	-59.81	2.398G	-30.13	2.48894G	-58.29	17.672661G	-50.31	1

CSE in non-restricted band;PK;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2437MHz;TN,VN



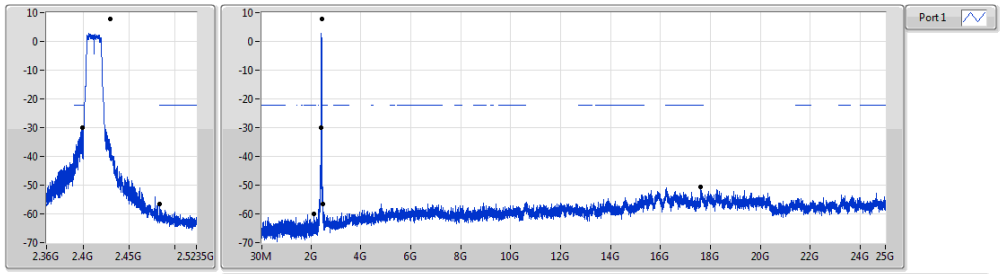
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437408G	14.03	-15.97	709.195M	-61.25	2.39952G	-41.58	2.48398G	-53.25	17.61647G	-51.50	1

CSE in non-restricted band;PK;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2462MHz;TN,VN



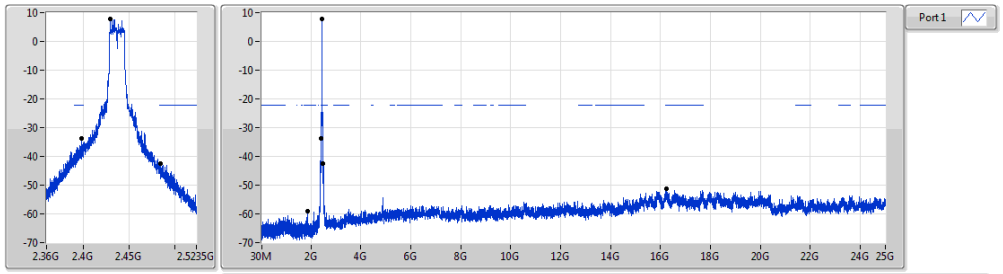
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437408G	14.03	-15.97	1.8474G	-58.87	2.39984G	-56.23	2.48702G	-42.94	17.644565G	-51.80	1

CSE in non-restricted band;PK;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2412MHz;TN,VN



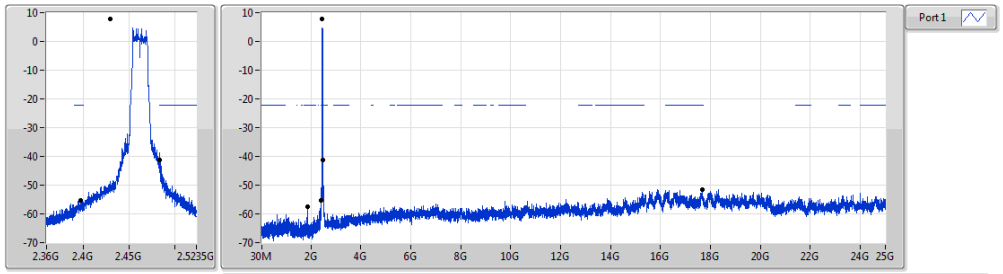
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.429559G	7.82	-22.18	2.11768G	-59.95	2.39872G	-29.98	2.48382G	-56.60	17.61647G	-50.56	1

CSE in non-restricted band;PK;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2437MHz;TN,VN



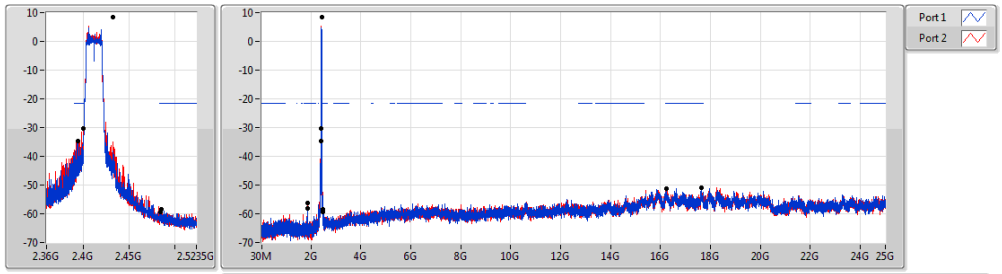
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.429559G	7.82	-22.18	1.8474G	-59.03	2.39824G	-33.89	2.4847G	-42.53	16.225736G	-51.26	1

CSE in non-restricted band;PK;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2462MHz;TN,VN



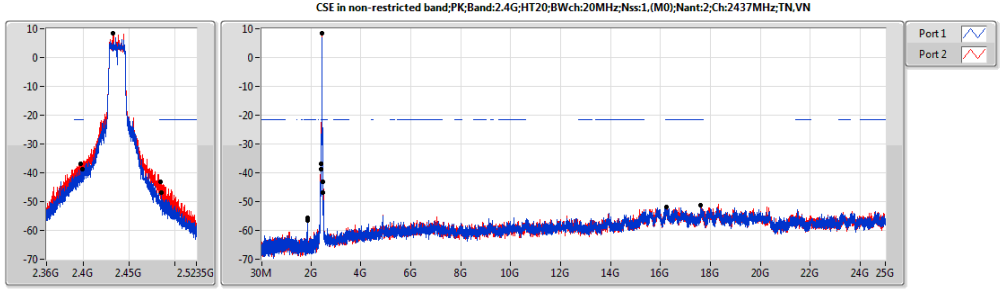
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.429559G	7.82	-22.18	1.8474G	-57.64	2.39752G	-55.20	2.48382G	-41.14	17.658613G	-51.57	1

CSE in non-restricted band;PK;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2412MHz;TN,VN



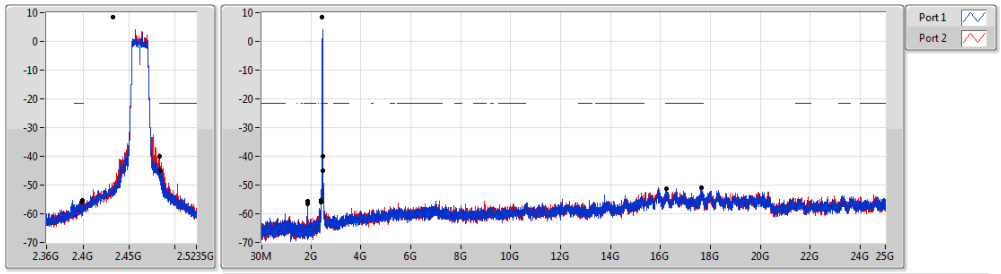
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.432064G	8.33	-21.67	1.8474G	-58.15	2.39432G	-34.57	2.48486G	-58.38	17.622089G	-51.00	1
2.432064G	8.33	-21.67	1.8474G	-56.24	2.39992G	-30.34	2.48406G	-59.31	16.248213G	-51.18	2

CSE in non-restricted band;PK;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TN,VN



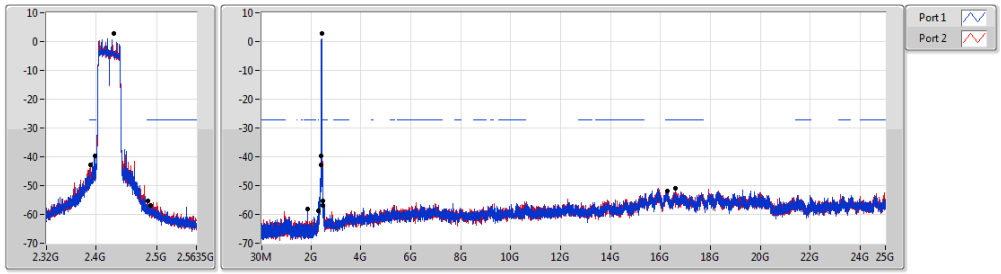
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.432064G	8.33	-21.67	1.8474G	-55.64	2.3992G	-38.74	2.4851G	-46.86	17.602422G	-51.27	1
2.432064G	8.33	-21.67	1.8474G	-56.43	2.39672G	-36.76	2.48478G	-42.98	16.242594G	-51.77	2

CSE in non-restricted band;PK;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2462MHz;TN,VN



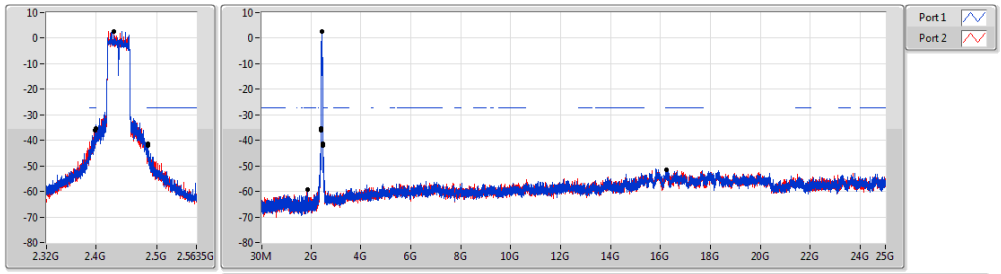
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.432064G	8.33	-21.67	1.8474G	-56.63	2.3996G	-55.38	2.48422G	-44.89	16.228546G	-51.10	1
2.432064G	8.33	-21.67	1.8474G	-55.58	2.39792G	-55.99	2.48366G	-40.15	17.627708G	-51.08	2

CSE in non-restricted band;PK;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2422MHz;TN,VN



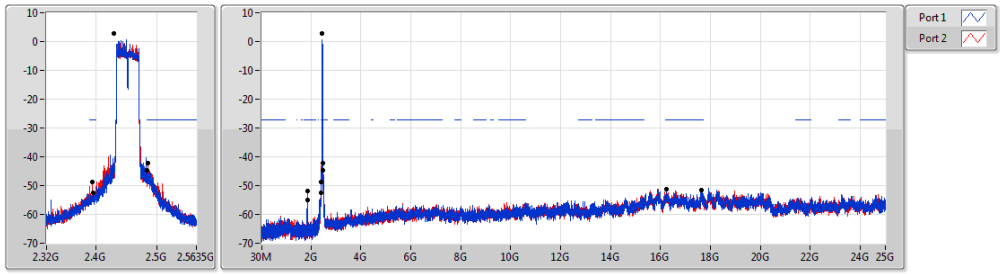
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.429392G	2.71	-27.29	1.84826G	-57.98	2.39808G	-39.63	2.48894G	-56.90	16.277811G	-51.77	1
2.429392G	2.71	-27.29	2.307405G	-58.64	2.39088G	-42.70	2.48414G	-55.16	16.583508G	-51.09	2

CSE in non-restricted band;PK;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TN,VN



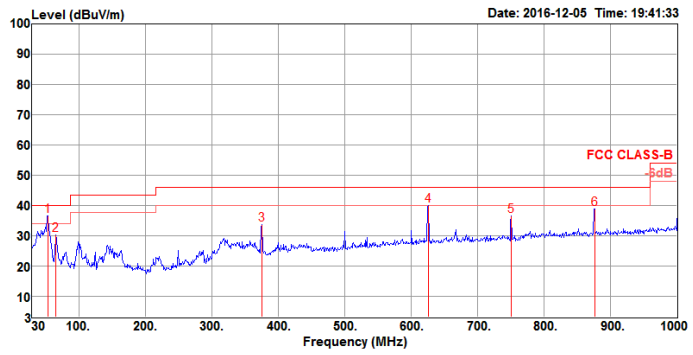
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.429392G	2.71	-27.29	1.84826G	-59.16	2.3984G	-35.93	2.48414G	-41.33	16.244156G	-51.57	1
2.429392G	2.71	-27.29	1.84826G	-59.22	2.39984G	-35.27	2.4843G	-42.12	16.241351G	-51.68	2

CSE in non-restricted band;PK;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2452MHz;TN,VN



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	2.71	-27.29	1.84826G	-54.93	2.39536G	-52.58	2.48382G	-44.72	16.224524G	-51.33	1
2.429392G	2.71	-27.29	1.84826G	-51.77	2.39456G	-48.60	2.48478G	-42.11	17.635219G	-51.56	2

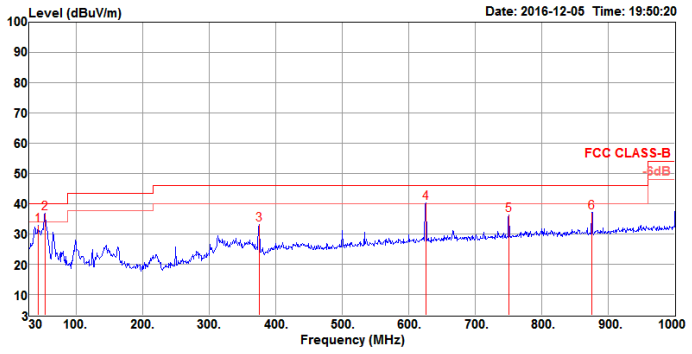
RSE below 1GHz Result			
Operating Mode	3	**Polarization**	Horizontal
Operating Function	CTX		



	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	53.28	36.44	40.00	-3.56	53.54	0.81	14.48	32.39	100	247	Peak	HORIZONTAL
2	65.89	30.12	40.00	-9.88	48.39	0.91	13.23	32.41	125	114	Peak	HORIZONTAL
3	375.32	33.60	46.00	-12.40	41.61	2.22	22.08	32.31	100	117	Peak	HORIZONTAL
4	625.58	40.00	46.00	-6.00	43.75	2.88	25.77	32.40	100	128	Peak	HORIZONTAL
5	750.71	36.42	46.00	-9.58	39.13	3.17	26.40	32.28	125	228	Peak	HORIZONTAL
6	875.84	38.74	46.00	-7.26	39.57	3.43	27.55	31.81	100	116	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	3	**Power Phase**	Vertical
Operating Function	CTX		



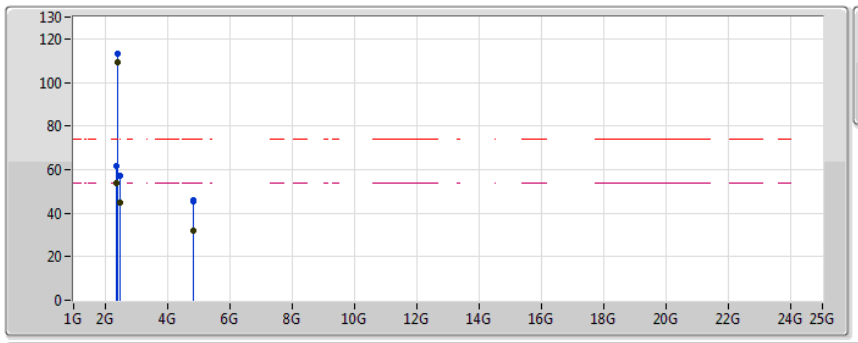
	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	42.61	32.63	40.00	-7.37	45.92	0.73	18.56	32.58	100	111	Peak	VERTICAL
2	53.28	36.90	40.00	-3.10	54.00	0.81	14.48	32.39	125	126	Peak	VERTICAL
3	375.32	33.14	46.00	-12.86	41.15	2.22	22.08	32.31	100	135	Peak	VERTICAL
4	625.58	40.11	46.00	-5.89	43.86	2.88	25.77	32.40	100	135	Peak	VERTICAL
5	750.71	36.08	46.00	-9.92	38.79	3.17	26.40	32.28	125	114	Peak	VERTICAL
6	874.87	37.07	46.00	-8.93	37.90	3.43	27.55	31.81	100	149	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)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2.4G;HT20;Nss1,(M0);Ntx2;2412;TX	Pass	PK	2.39G	73.96	74.00	-0.04	32.67	3	V	298	1.66	-

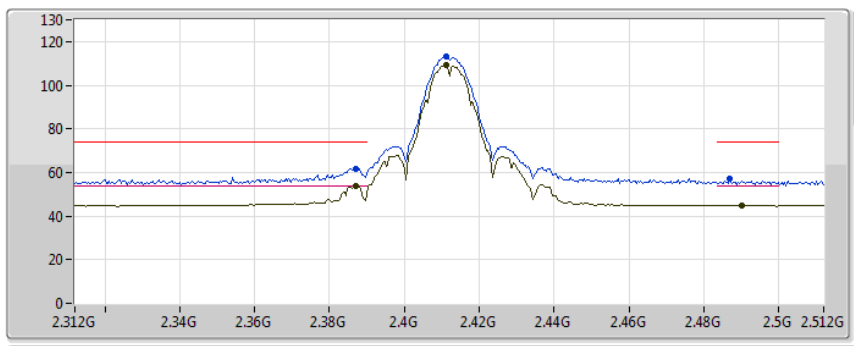
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2412MHz;TX



2016/12/02
EUT 1TX ANT0 Dipole ANT
Setting:81
04-B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3872G	53.67	54.00	-0.33	32.67	3	V	299	1.33	-
AV	2.4112G	109.32	Inf	-Inf	32.68	3	V	299	1.33	-
AV	2.49G	44.72	54.00	-9.28	32.79	3	V	299	1.33	-
PK	2.3872G	61.61	74.00	-12.39	32.67	3	V	299	1.33	-
PK	2.4112G	113.20	Inf	-Inf	32.68	3	V	299	1.33	-
PK	2.4868G	56.92	74.00	-17.08	32.78	3	V	299	1.33	-
AV	4.82382G	31.73	54.00	-22.27	3.25	3	H	176	1.88	-
PK	4.82686G	46.05	74.00	-27.95	3.26	3	H	176	1.88	-
AV	4.82298G	31.72	54.00	-22.28	3.25	3	V	248	1.72	-
PK	4.82414G	45.26	74.00	-28.74	3.25	3	V	248	1.72	-

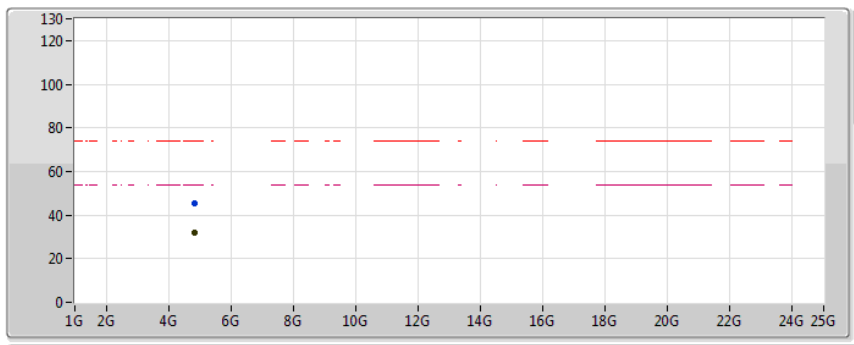
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2412MHz;TX



2016/12/01
EUT 1TX ANT0 Dipole ANT
Setting:81
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3872G	53.67	54.00	-0.33	32.67	3	V	299	1.33	-
AV	2.4112G	109.32	Inf	-Inf	32.68	3	V	299	1.33	-
AV	2.49G	44.72	54.00	-9.28	32.79	3	V	299	1.33	-
PK	2.3872G	61.61	74.00	-12.39	32.67	3	V	299	1.33	-
PK	2.4112G	113.20	Inf	-Inf	32.68	3	V	299	1.33	-
PK	2.4868G	56.92	74.00	-17.08	32.78	3	V	299	1.33	-

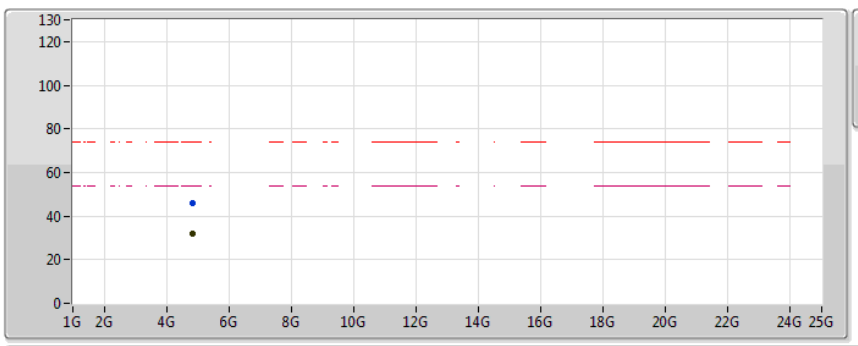
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2412MHz;TX



2016/12/02
EUT 1TX ANT0 Dipole ANT
Setting:81
01-S-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.82298G	31.72	54.00	-22.28	3.25	3	V	248	1.72	-
PK	4.82414G	45.26	74.00	-28.74	3.25	3	V	248	1.72	-

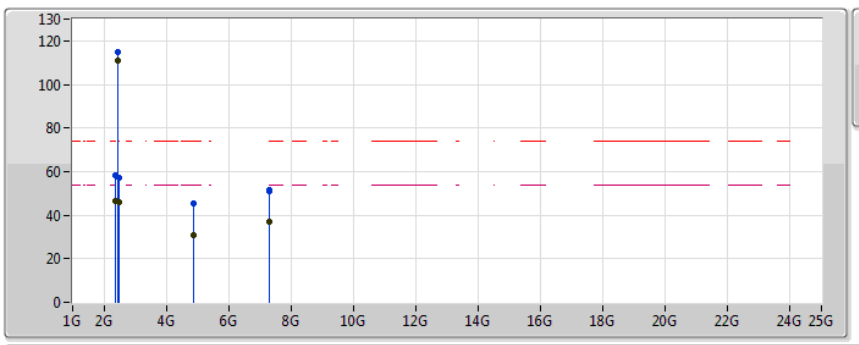
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2412MHz;TX



2016/12/02
EUT 1TX ANT0 Dipole ANT
Setting:81
01-S-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.82382G	31.73	54.00	-22.27	3.25	3	H	176	1.88	-
PK	4.82686G	46.05	74.00	-27.95	3.26	3	H	176	1.88	-

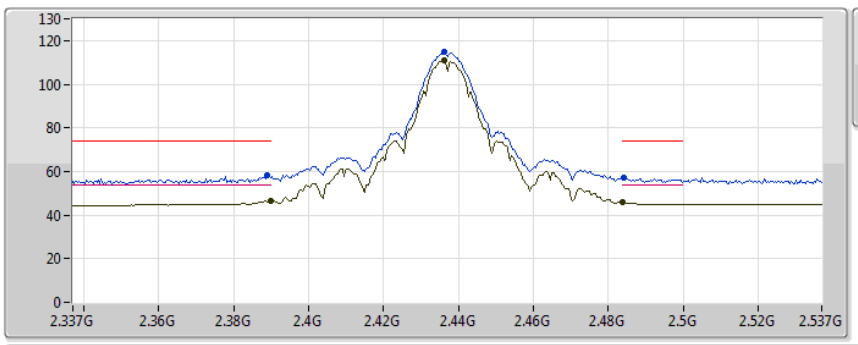
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2437MHz;TX



2016/12/01
EUT 1TX ANT0 Dipole ANT
Setting:90
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3898G	46.54	54.00	-7.46	32.67	3	V	311	1.71	-
AV	2.4362G	110.86	Inf	-Inf	32.72	3	V	311	1.71	-
AV	2.4838G	46.16	54.00	-7.84	32.78	3	V	311	1.71	-
PK	2.389G	58.38	74.00	-15.62	32.67	3	V	311	1.71	-
PK	2.4362G	114.67	Inf	-Inf	32.72	3	V	311	1.71	-
PK	2.4842G	56.91	74.00	-17.09	32.78	3	V	311	1.71	-
AV	4.87306G	30.99	54.00	-23.01	3.34	3	H	232	1.14	-
AV	7.31462G	37.03	54.00	-16.97	8.32	3	H	177	1.23	-
PK	4.8776G	45.27	74.00	-28.73	3.35	3	H	232	1.14	-
PK	7.31444G	51.41	74.00	-22.59	8.32	3	H	177	1.23	-
AV	4.8748G	31.02	54.00	-22.98	3.34	3	V	37	1.03	-
AV	7.31196G	37.03	54.00	-16.97	8.31	3	V	232	1.71	-
PK	4.87098G	45.59	74.00	-28.41	3.34	3	V	37	1.03	-
PK	7.30856G	51.11	74.00	-22.89	8.30	3	V	232	1.71	-

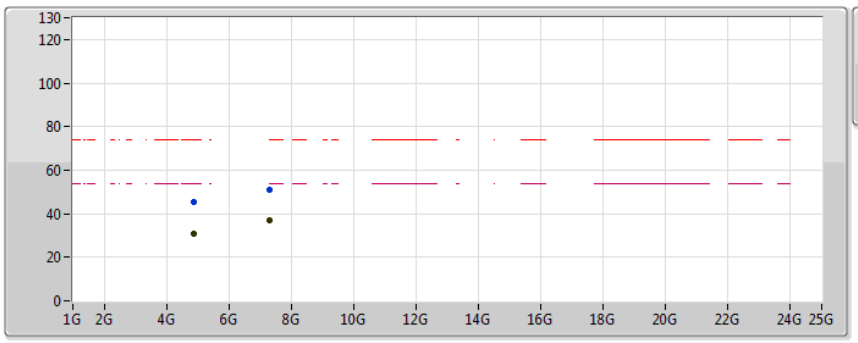
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2437MHz;TX



2016/12/01
EUT 1TX ANT0 Dipole ANT
Setting:90
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3898G	46.54	54.00	-7.46	32.67	3	V	311	1.71	-
AV	2.4362G	110.86	Inf	-Inf	32.72	3	V	311	1.71	-
AV	2.4838G	46.16	54.00	-7.84	32.78	3	V	311	1.71	-
PK	2.389G	58.38	74.00	-15.62	32.67	3	V	311	1.71	-
PK	2.4362G	114.67	Inf	-Inf	32.72	3	V	311	1.71	-
PK	2.4842G	56.91	74.00	-17.09	32.78	3	V	311	1.71	-

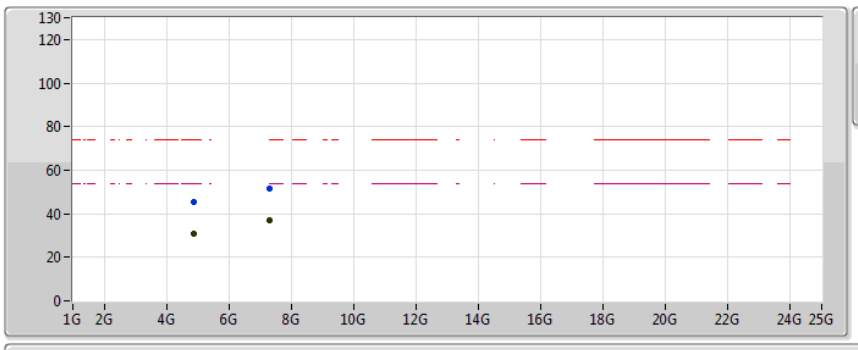
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2437MHz;TX



2016/12/02
EUT 1TX ANT0 Dipole ANT
Setting:90
01-S-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.8748G	31.02	54.00	-22.98	3.34	3	V	37	1.03	-
AV	7.31196G	37.03	54.00	-16.97	8.31	3	V	232	1.71	-
PK	4.87098G	45.59	74.00	-28.41	3.34	3	V	37	1.03	-
PK	7.30856G	51.11	74.00	-22.89	8.30	3	V	232	1.71	-

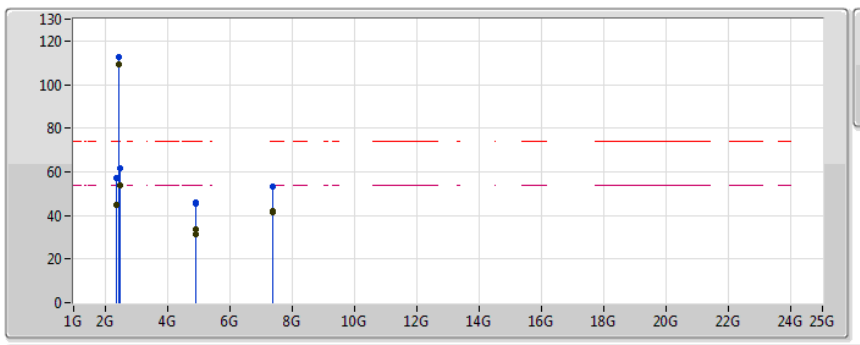
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2437MHz;TX



2016/12/02
EUT 1TX ANT0 Dipole ANT
Setting:90
01-S-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.87306G	30.99	54.00	-23.01	3.34	3	H	232	1.14	-
AV	7.31462G	37.03	54.00	-16.97	8.32	3	H	177	1.23	-
PK	4.8776G	45.27	74.00	-28.73	3.35	3	H	232	1.14	-
PK	7.31444G	51.41	74.00	-22.59	8.32	3	H	177	1.23	-

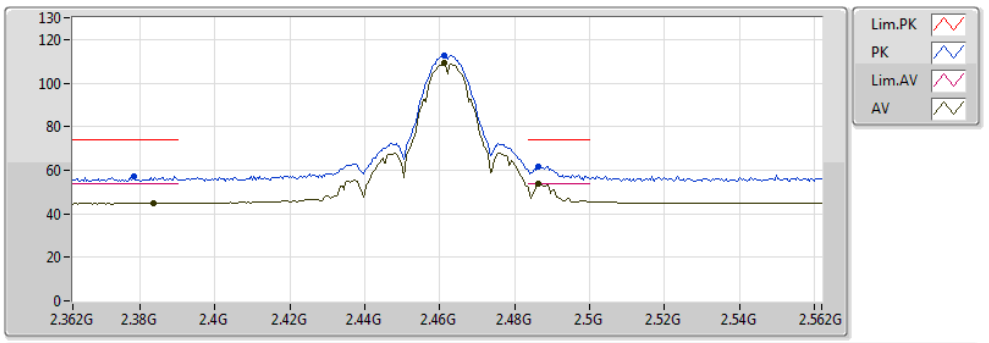
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2462MHz;TX



2016/12/01
EUT 1TX ANT0 Dipole ANT
Setting:82
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3836G	44.94	54.00	-9.06	32.67	3	V	299	1.58	-
AV	2.4612G	109.04	Inf	-Inf	32.75	3	V	299	1.58	-
AV	2.4864G	53.53	54.00	-0.47	32.78	3	V	299	1.58	-
PK	2.3784G	57.27	74.00	-16.73	32.66	3	V	299	1.58	-
PK	2.4612G	112.83	Inf	-Inf	32.75	3	V	299	1.58	-
PK	2.4864G	61.49	74.00	-12.51	32.78	3	V	299	1.58	-
AV	4.92398G	33.37	54.00	-20.63	3.43	3	H	323	1.78	-
AV	7.38522G	41.98	54.00	-12.02	8.54	3	H	316	1.69	-
PK	4.92166G	45.70	74.00	-28.30	3.43	3	H	323	1.78	-
PK	7.38464G	53.07	74.00	-20.93	8.54	3	H	316	1.69	-
AV	4.9229G	31.26	54.00	-22.74	3.43	3	V	83	1.50	-
AV	7.38522G	41.48	54.00	-12.52	8.54	3	V	331	1.65	-
PK	4.92212G	45.47	74.00	-28.53	3.43	3	V	83	1.50	-
PK	7.38736G	52.97	74.00	-21.03	8.55	3	V	331	1.65	-

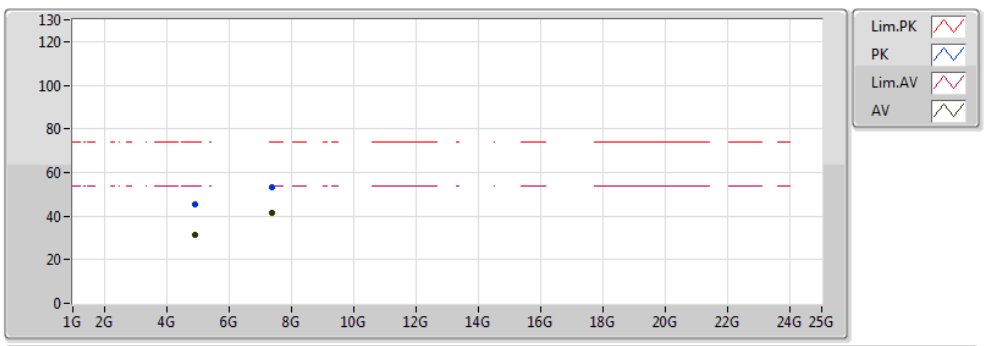
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2462MHz;TX



2016/12/01
EUT 1TX ANT0 Dipole ANT
Setting:82
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3836G	44.94	54.00	-9.06	32.67	3	V	299	1.58	-
AV	2.4612G	109.04	Inf	-Inf	32.75	3	V	299	1.58	-
AV	2.4864G	53.53	54.00	-0.47	32.78	3	V	299	1.58	-
PK	2.3784G	57.27	74.00	-16.73	32.66	3	V	299	1.58	-
PK	2.4612G	112.83	Inf	-Inf	32.75	3	V	299	1.58	-
PK	2.4864G	61.49	74.00	-12.51	32.78	3	V	299	1.58	-

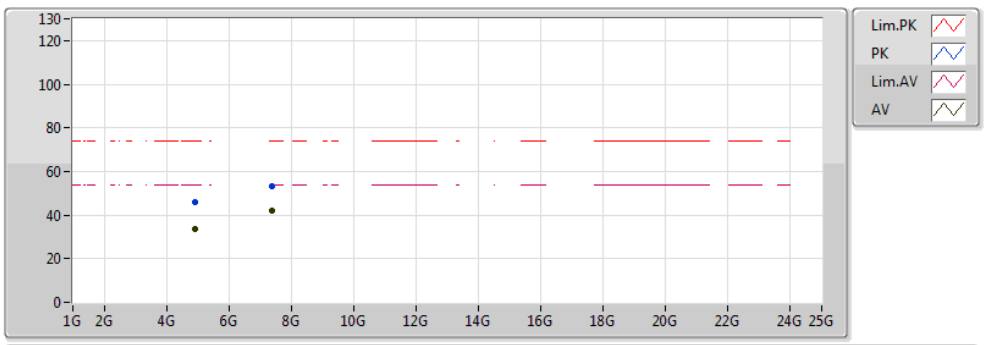
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2462MHz;TX



2016/12/02
EUT 1TX ANT0 Dipole ANT
Setting:82
01-S-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.9229G	31.26	54.00	-22.74	3.43	3	V	83	1.50	-
AV	7.38522G	41.48	54.00	-12.52	8.54	3	V	331	1.65	-
PK	4.92212G	45.47	74.00	-28.53	3.43	3	V	83	1.50	-
PK	7.38736G	52.97	74.00	-21.03	8.55	3	V	331	1.65	-

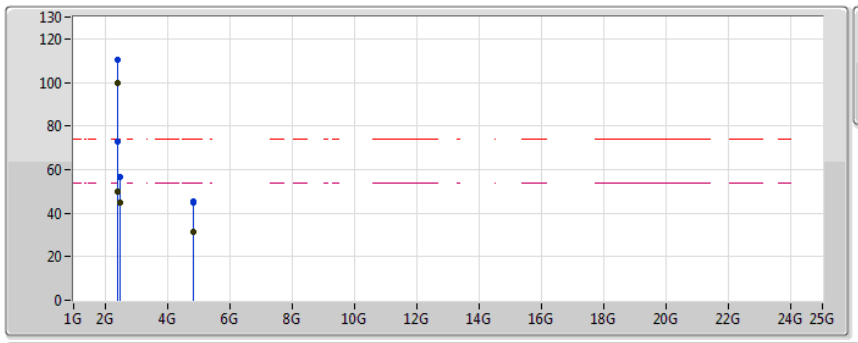
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2462MHz;TX



2016/12/02
EUT 1TX ANT0 Dipole ANT
Setting:82
01-S-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.92398G	33.37	54.00	-20.63	3.43	3	H	323	1.78	-
AV	7.38522G	41.98	54.00	-12.02	8.54	3	H	316	1.69	-
PK	4.92166G	45.70	74.00	-28.30	3.43	3	H	323	1.78	-
PK	7.38464G	53.07	74.00	-20.93	8.54	3	H	316	1.69	-

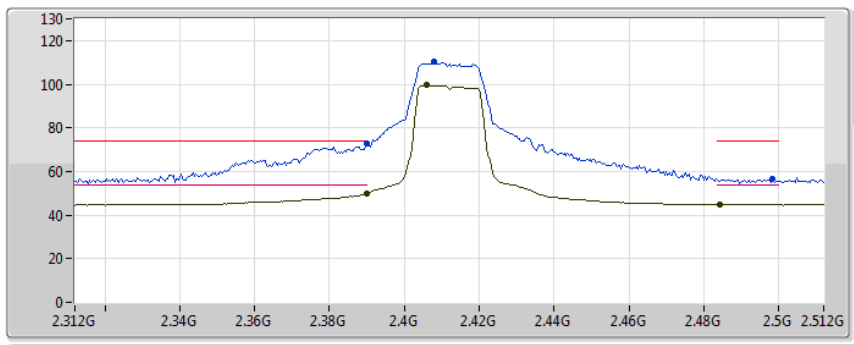
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2412MHz;TX



2016/12/01
EUT 1TX ANT0 Dipole ANT
Setting:70
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	49.99	54.00	-4.01	32.67	3	V	293	1.65	-
AV	2.406G	99.49	Inf	-Inf	32.68	3	V	293	1.65	-
AV	2.4844G	44.76	54.00	-9.24	32.78	3	V	293	1.65	-
PK	2.39G	73.06	74.00	-0.44	32.67	3	V	293	1.65	-
PK	2.408G	110.31	Inf	-Inf	32.68	3	V	293	1.65	-
PK	2.4984G	56.47	74.00	-17.53	32.80	3	V	293	1.65	-
AV	4.82322G	31.63	54.00	-22.37	3.25	3	H	323	1.18	-
PK	4.81948G	44.96	74.00	-29.04	3.25	3	H	323	1.18	-
AV	4.82864G	31.64	54.00	-22.36	3.26	3	V	246	1.04	-
PK	4.82402G	45.36	74.00	-28.64	3.25	3	V	246	1.04	-

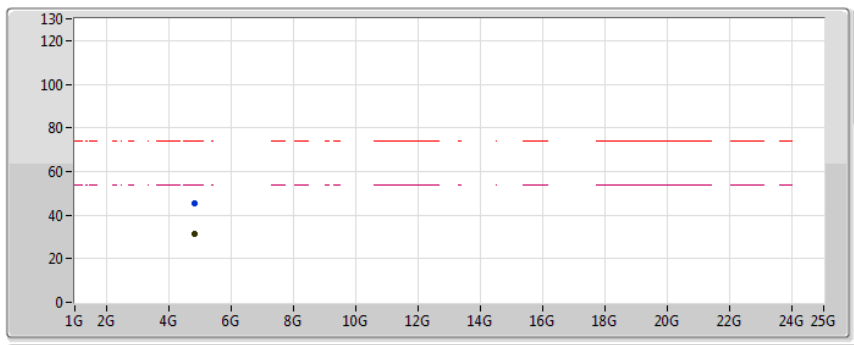
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2412MHz;TX



2016/12/01
EUT 1TX ANT0 Dipole ANT
Setting:70
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	49.99	54.00	-4.01	32.67	3	V	293	1.65	-
AV	2.406G	99.49	Inf	-Inf	32.68	3	V	293	1.65	-
AV	2.4844G	44.76	54.00	-9.24	32.78	3	V	293	1.65	-
PK	2.39G	73.06	74.00	-0.44	32.67	3	V	293	1.65	-
PK	2.408G	110.31	Inf	-Inf	32.68	3	V	293	1.65	-
PK	2.4984G	56.47	74.00	-17.53	32.80	3	V	293	1.65	-

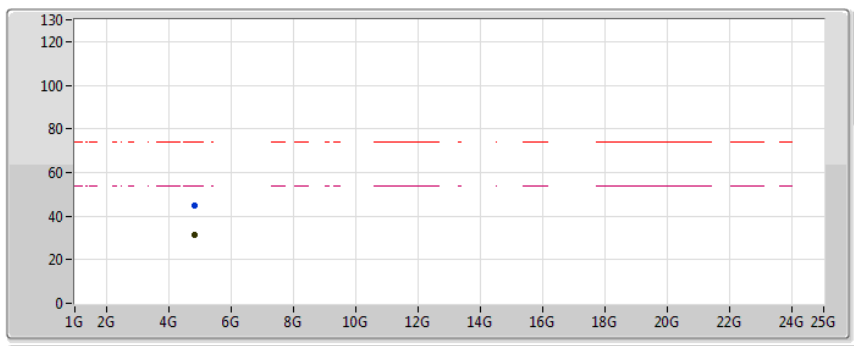
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2412MHz;TX



2016/12/01
EUT 1TX ANT0 Dipole ANT
Setting:70
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.82864G	31.64	54.00	-22.36	3.26	3	V	246	1.04	-
PK	4.82402G	45.36	74.00	-28.64	3.25	3	V	246	1.04	-

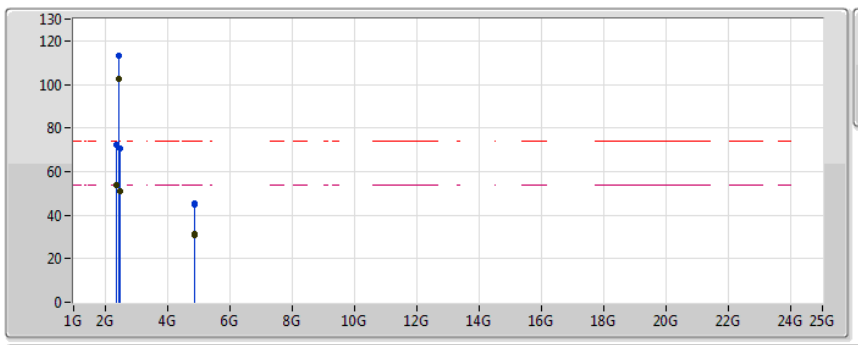
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2412MHz;TX



2016/12/01
EUT 1TX ANT0 Dipole ANT
Setting:70
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.82322G	31.63	54.00	-22.37	3.25	3	H	323	1.18	-
PK	4.81948G	44.96	74.00	-29.04	3.25	3	H	323	1.18	-

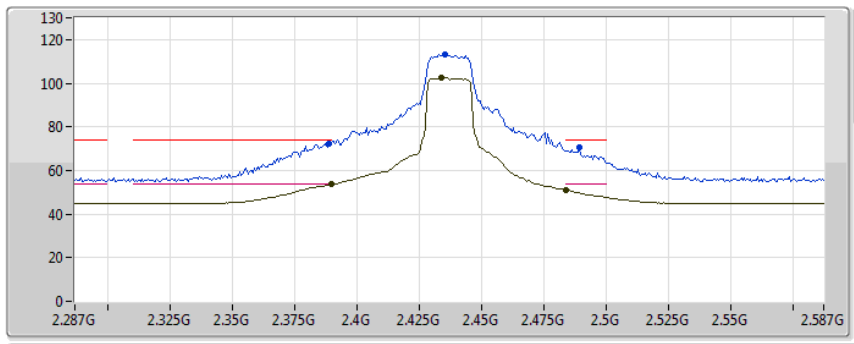
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2437MHz;TX



2016/12/01
EUT 1TX ANT0 Dipole ANT
Setting:80
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3896G	53.59	54.00	-0.41	32.67	3	V	305	1.77	-
AV	2.434G	102.60	Inf	-Inf	32.71	3	V	305	1.77	-
AV	2.4838G	50.95	54.00	-3.05	32.78	3	V	305	1.77	-
PK	2.389G	72.56	74.00	-1.44	32.67	3	V	305	1.77	-
PK	2.4352G	113.37	Inf	-Inf	32.72	3	V	305	1.77	-
PK	2.4892G	70.39	74.00	-3.61	32.79	3	V	305	1.77	-
AV	4.87524G	31.59	54.00	-22.41	3.35	3	H	351	1.96	-
PK	4.87124G	44.69	74.00	-29.31	3.34	3	H	351	1.96	-
AV	4.8695G	31.08	54.00	-22.92	3.34	3	V	284	1.54	-
PK	4.87494G	45.16	74.00	-28.84	3.34	3	V	284	1.54	-

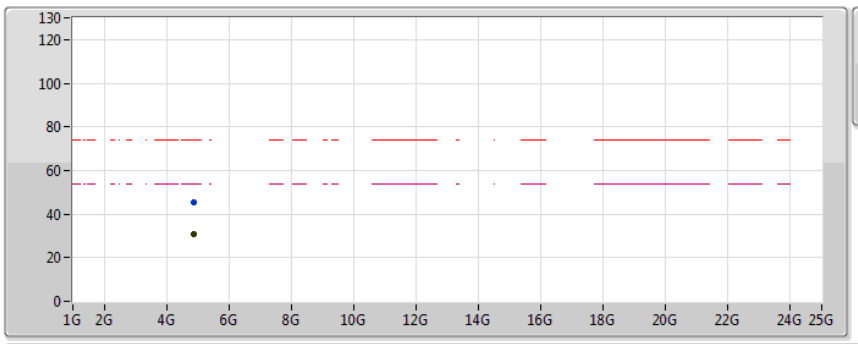
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2437MHz;TX



2016/12/01
EUT 1TX ANT0 Dipole ANT
Setting:80
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3896G	53.59	54.00	-0.41	32.67	3	V	305	1.77	-
AV	2.434G	102.60	Inf	-Inf	32.71	3	V	305	1.77	-
AV	2.4838G	50.95	54.00	-3.05	32.78	3	V	305	1.77	-
PK	2.389G	72.56	74.00	-1.44	32.67	3	V	305	1.77	-
PK	2.4352G	113.37	Inf	-Inf	32.72	3	V	305	1.77	-
PK	2.4892G	70.39	74.00	-3.61	32.79	3	V	305	1.77	-

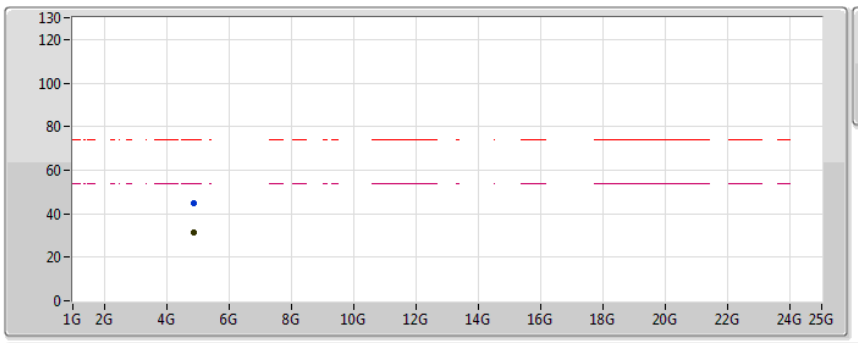
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2437MHz;TX



2016/12/02
EUT 1TX ANT0 Dipole ANT
Setting:80
01-S-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.8695G	31.08	54.00	-22.92	3.34	3	V	284	1.54	-
PK	4.87494G	45.16	74.00	-28.84	3.34	3	V	284	1.54	-

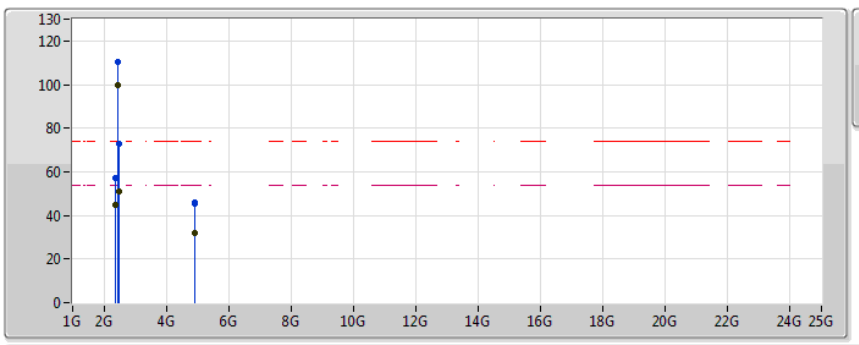
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2437MHz;TX



2016/12/02
EUT 1TX ANT0 Dipole ANT
Setting:80
01-S-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.87524G	31.59	54.00	-22.41	3.35	3	H	351	1.96	-
PK	4.87124G	44.69	74.00	-29.31	3.34	3	H	351	1.96	-

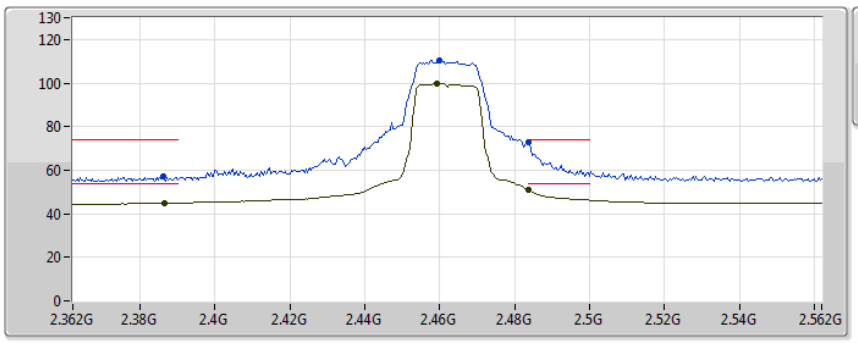
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2462MHz;TX



2016/12/01
EUT 1TX ANT0 Dipole ANT
Setting:70
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3864G	44.89	54.00	-9.11	32.67	3	V	309	1.86	-
AV	2.4592G	99.60	Inf	-Inf	32.75	3	V	309	1.86	-
AV	2.4836G	51.13	54.00	-2.87	32.78	3	V	309	1.86	-
PK	2.386G	57.26	74.00	-16.74	32.67	3	V	309	1.86	-
PK	2.46G	110.33	Inf	-Inf	32.75	3	V	309	1.86	-
PK	2.4836G	72.72	74.00	-0.48	32.78	3	V	309	1.86	-
AV	4.92138G	31.84	54.00	-22.16	3.43	3	H	85	1.60	-
PK	4.927G	45.25	74.00	-28.75	3.44	3	H	85	1.60	-
AV	4.92428G	31.80	54.00	-22.20	3.43	3	V	356	1.21	-
PK	4.91934G	45.76	74.00	-28.24	3.42	3	V	356	1.21	-

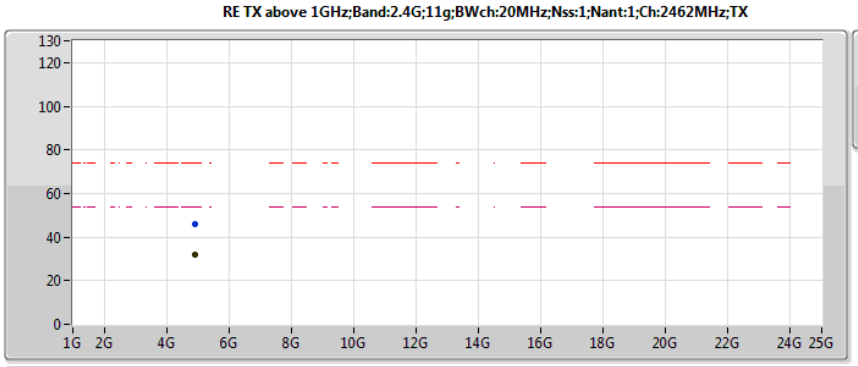
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2462MHz;TX



2016/12/01
EUT 1TX ANT0 Dipole ANT
Setting:70
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3864G	44.89	54.00	-9.11	32.67	3	V	309	1.86	-
AV	2.4592G	99.60	Inf	-Inf	32.75	3	V	309	1.86	-
AV	2.4836G	51.13	54.00	-2.87	32.78	3	V	309	1.86	-
PK	2.386G	57.26	74.00	-16.74	32.67	3	V	309	1.86	-
PK	2.46G	110.33	Inf	-Inf	32.75	3	V	309	1.86	-
PK	2.4836G	72.72	74.00	-0.48	32.78	3	V	309	1.86	-

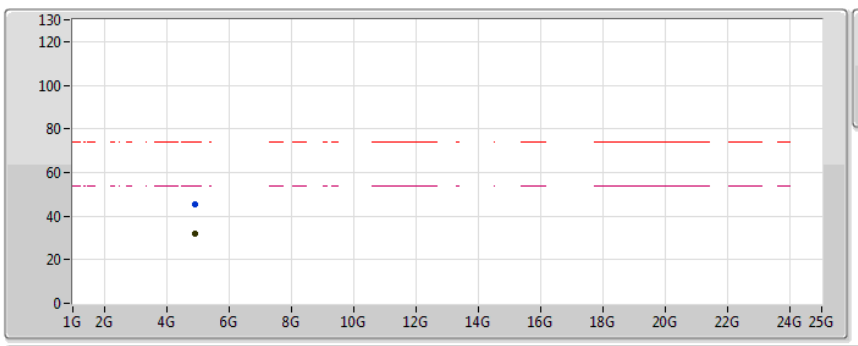
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2462MHz;TX



2016/12/02
EUT 1TX ANT0 Dipole ANT
Setting:70
01-S-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.92428G	31.80	54.00	-22.20	3.43	3	V	356	1.21	-
PK	4.91934G	45.76	74.00	-28.24	3.42	3	V	356	1.21	-

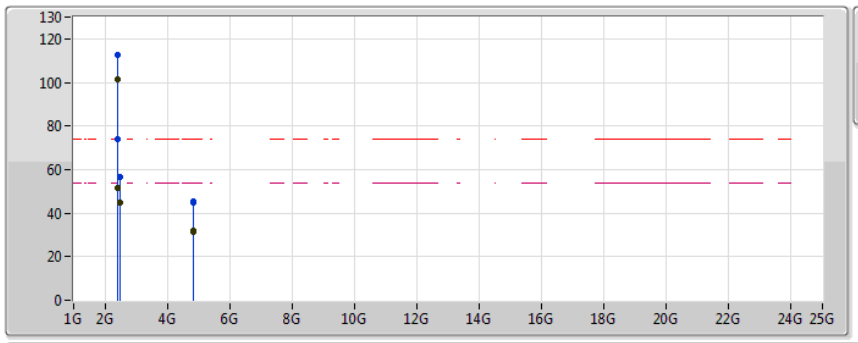
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2462MHz;TX



2016/12/02
EUT 1TX ANT0 Dipole ANT
Setting:70
01-S-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.92138G	31.84	54.00	-22.16	3.43	3	H	85	1.60	-
PK	4.927G	45.25	74.00	-28.75	3.44	3	H	85	1.60	-

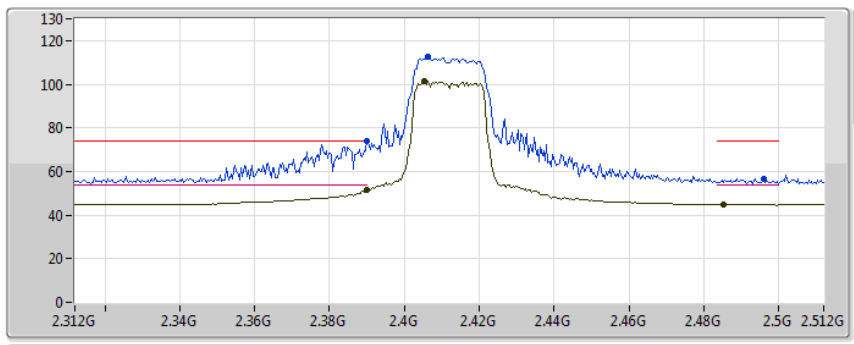
RE TX above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2412MHz;TX



2016/12/01
EUT 2TX Dipole ANT
Setting:65
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	51.50	54.00	-2.50	32.67	3	V	298	1.66	-
AV	2.4052G	101.63	Inf	-Inf	32.68	3	V	298	1.66	-
AV	2.4852G	44.85	54.00	-9.15	32.78	3	V	298	1.66	-
PK	2.39G	73.96	74.00	-0.04	32.67	3	V	298	1.66	-
PK	2.4064G	112.64	Inf	-Inf	32.68	3	V	298	1.66	-
PK	2.496G	56.64	74.00	-17.36	32.79	3	V	298	1.66	-
AV	4.8217G	31.60	54.00	-22.40	3.25	3	H	237	1.78	-
PK	4.82702G	44.92	74.00	-29.08	3.26	3	H	237	1.78	-
AV	4.82058G	31.74	54.00	-22.26	3.25	3	V	135	2.43	-
PK	4.82428G	45.19	74.00	-28.81	3.25	3	V	135	2.43	-

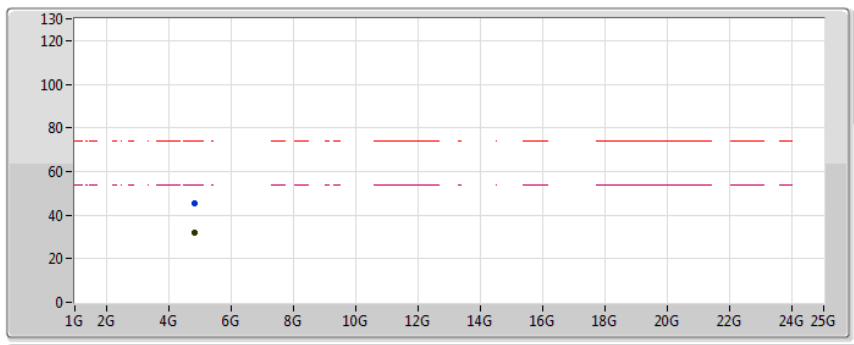
RE TX above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2412MHz;TX



2016/12/01
EUT 2TX Dipole ANT
Setting:65
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	51.50	54.00	-2.50	32.67	3	V	298	1.66	-
AV	2.4052G	101.63	Inf	-Inf	32.68	3	V	298	1.66	-
AV	2.4852G	44.85	54.00	-9.15	32.78	3	V	298	1.66	-
PK	2.39G	73.96	74.00	-0.04	32.67	3	V	298	1.66	-
PK	2.4064G	112.64	Inf	-Inf	32.68	3	V	298	1.66	-
PK	2.496G	56.64	74.00	-17.36	32.79	3	V	298	1.66	-

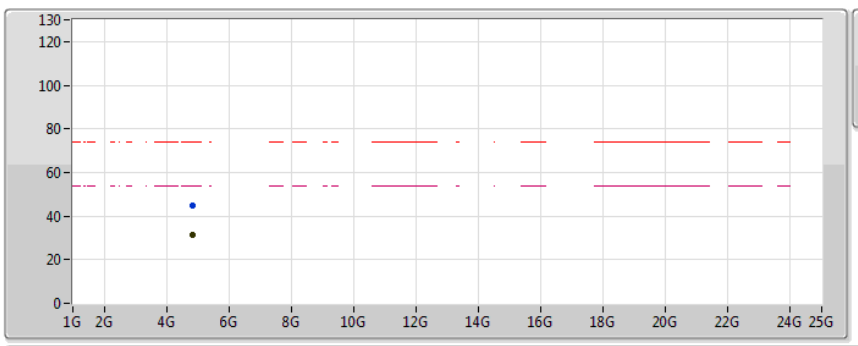
RE TX above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2412MHz;TX



2016/12/02
EUT 2TX Dipole ANT
Setting:65
01-S-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.82058G	31.74	54.00	-22.26	3.25	3	V	135	2.43	-
PK	4.82428G	45.19	74.00	-28.81	3.25	3	V	135	2.43	-

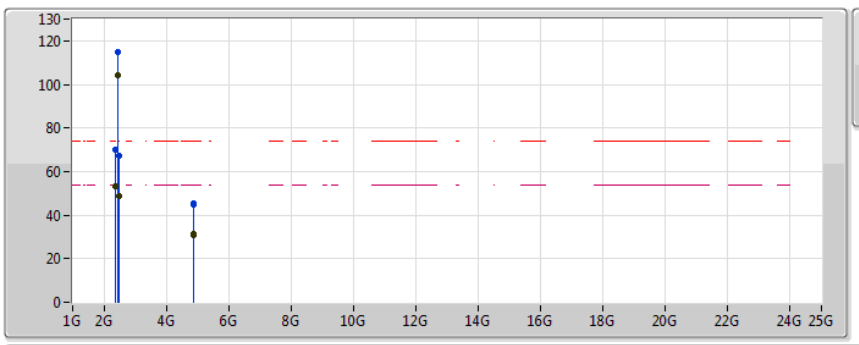
RE TX above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2412MHz;TX



2016/12/02
EUT 2TX Dipole ANT
Setting:65
01-S-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.8217G	31.60	54.00	-22.40	3.25	3	H	237	1.78	-
PK	4.82702G	44.92	74.00	-29.08	3.26	3	H	237	1.78	-

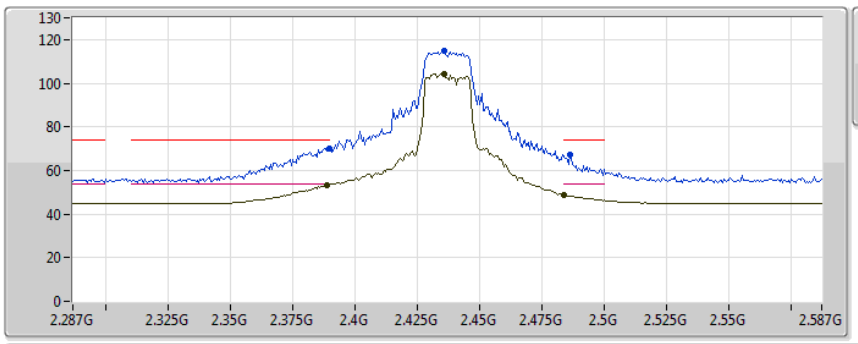
RE TX above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TX



2016/12/01
EUT 2TX Dipole ANT
Setting:80
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389G	53.36	54.00	-0.64	32.67	3	V	279	1.64	-
AV	2.4358G	104.37	Inf	-Inf	32.72	3	V	279	1.64	-
AV	2.4838G	48.82	54.00	-5.18	32.78	3	V	279	1.64	-
PK	2.3896G	70.23	74.00	-3.77	32.67	3	V	279	1.64	-
PK	2.4358G	114.77	Inf	-Inf	32.72	3	V	279	1.64	-
PK	2.4862G	67.45	74.00	-6.55	32.78	3	V	279	1.64	-
AV	4.86974G	31.46	54.00	-22.54	3.34	3	H	264	2.38	-
PK	4.87494G	45.35	74.00	-28.65	3.34	3	H	264	2.38	-
AV	4.87504G	30.80	54.00	-23.20	3.35	3	V	114	2.14	-
PK	4.87296G	44.78	74.00	-29.22	3.34	3	V	114	2.14	-

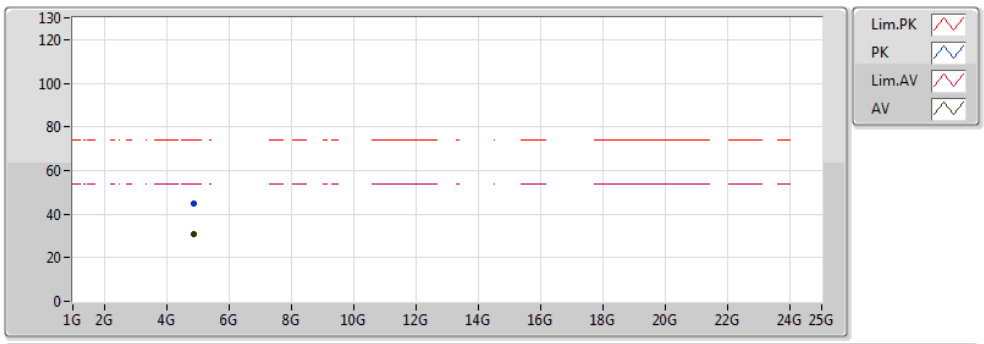
RE TX above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TX



2016/12/01
EUT 2TX Dipole ANT
Setting:80
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389G	53.36	54.00	-0.64	32.67	3	V	279	1.64	-
AV	2.4358G	104.37	Inf	-Inf	32.72	3	V	279	1.64	-
AV	2.4838G	48.82	54.00	-5.18	32.78	3	V	279	1.64	-
PK	2.3896G	70.23	74.00	-3.77	32.67	3	V	279	1.64	-
PK	2.4358G	114.77	Inf	-Inf	32.72	3	V	279	1.64	-
PK	2.4862G	67.45	74.00	-6.55	32.78	3	V	279	1.64	-

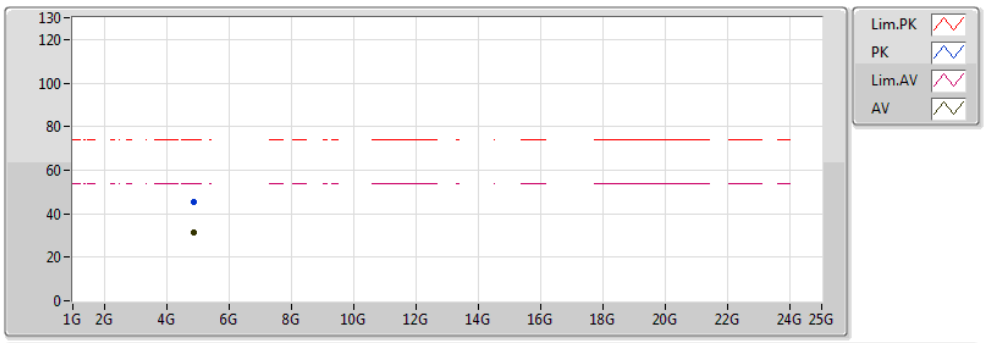
RE TX above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TX



2016/12/02
EUT 2TX Dipole ANT
Setting:80
01-S-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.87504G	30.80	54.00	-23.20	3.35	3	V	114	2.14	-
PK	4.87296G	44.78	74.00	-29.22	3.34	3	V	114	2.14	-

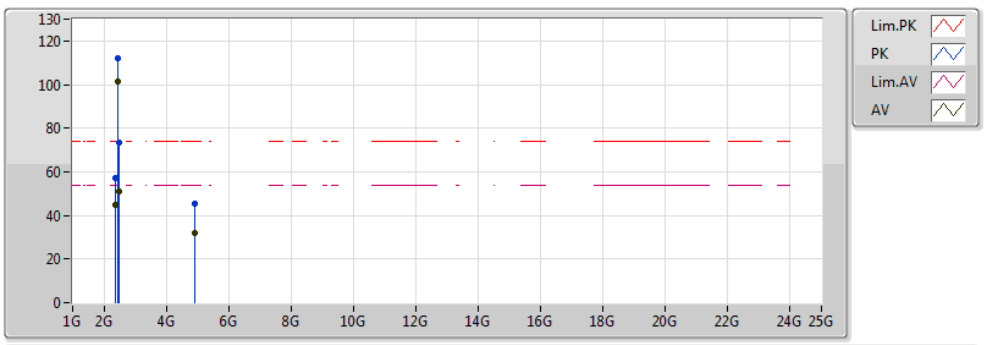
RE TX above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TX



2016/12/02
EUT 2TX Dipole ANT
Setting:80
01-S-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.86974G	31.46	54.00	-22.54	3.34	3	H	264	2.38	-
PK	4.87494G	45.35	74.00	-28.65	3.34	3	H	264	2.38	-

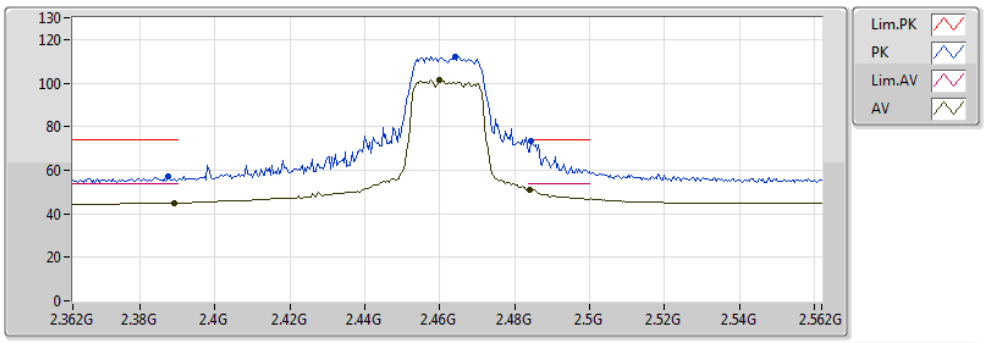
RE TX above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2462MHz;TX



2016/12/01
EUT 2TX Dipole ANT
Setting:64
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3892G	44.96	54.00	-9.04	32.67	3	V	307	1.82	-
AV	2.46G	101.33	Inf	-Inf	32.75	3	V	307	1.82	-
AV	2.484G	51.17	54.00	-2.83	32.78	3	V	307	1.82	-
PK	2.3876G	57.03	74.00	-16.97	32.67	3	V	307	1.82	-
PK	2.464G	111.98	Inf	-Inf	32.75	3	V	307	1.82	-
PK	2.4844G	73.35	74.00	-0.65	32.78	3	V	307	1.82	-
AV	4.92862G	32.02	54.00	-21.98	3.44	3	H	3	1.96	-
PK	4.92854G	45.38	74.00	-28.62	3.44	3	H	3	1.96	-
AV	4.92828G	31.92	54.00	-22.08	3.44	3	V	10	2.14	-
PK	4.92148G	45.47	74.00	-28.53	3.43	3	V	10	2.14	-

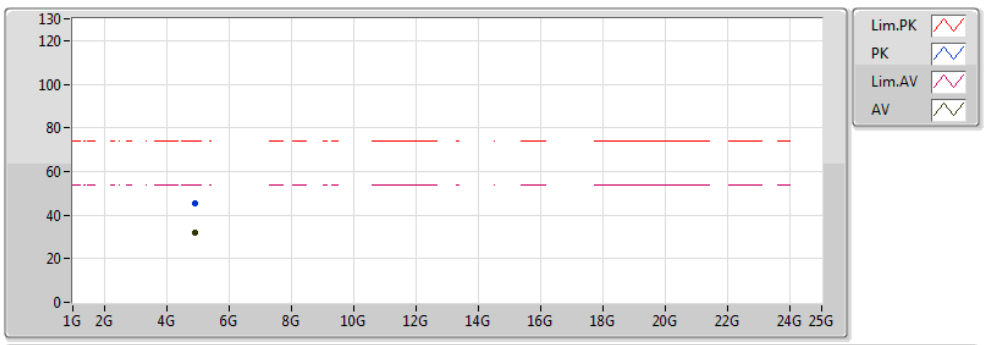
RE TX above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2462MHz;TX



2016/12/01
EUT 2TX Dipole ANT
Setting:64
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3892G	44.96	54.00	-9.04	32.67	3	V	307	1.82	-
AV	2.46G	101.33	Inf	-Inf	32.75	3	V	307	1.82	-
AV	2.484G	51.17	54.00	-2.83	32.78	3	V	307	1.82	-
PK	2.3876G	57.03	74.00	-16.97	32.67	3	V	307	1.82	-
PK	2.464G	111.98	Inf	-Inf	32.75	3	V	307	1.82	-
PK	2.4844G	73.35	74.00	-0.65	32.78	3	V	307	1.82	-

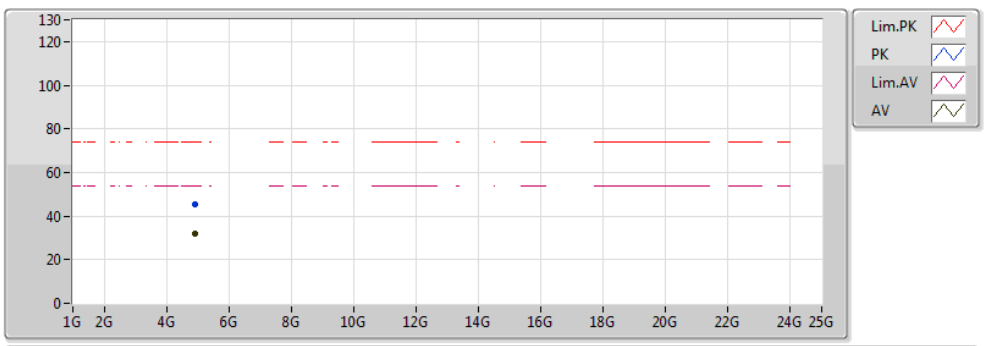
RE TX above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2462MHz;TX



2016/12/02
EUT 2TX Dipole ANT
Setting:64
01-S-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.92828G	31.92	54.00	-22.08	3.44	3	V	10	2.14	-
PK	4.92148G	45.47	74.00	-28.53	3.43	3	V	10	2.14	-

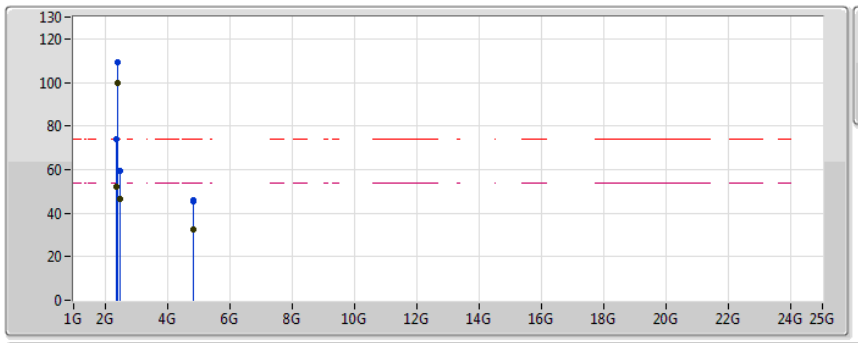
RE TX above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2462MHz;TX



2016/12/02
EUT 2TX Dipole ANT
Setting:64
01-S-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.92862G	32.02	54.00	-21.98	3.44	3	H	3	1.96	-
PK	4.92854G	45.38	74.00	-28.62	3.44	3	H	3	1.96	-

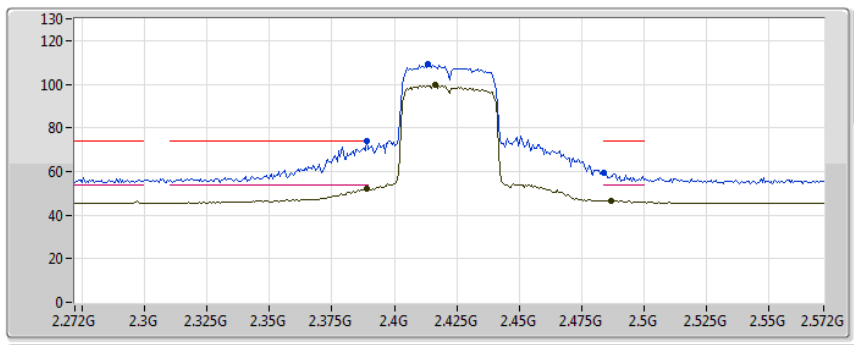
RE TX above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2422MHz;TX



2016/12/01
EUT 2TX Dipole ANT
Setting:60
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389G	51.88	54.00	-2.12	32.67	3	V	300	2.11	-
AV	2.4166G	99.56	Inf	-Inf	32.69	3	V	300	2.11	-
AV	2.4868G	46.62	54.00	-7.38	32.78	3	V	300	2.11	-
PK	2.389G	73.94	74.00	-0.06	32.67	3	V	300	2.11	-
PK	2.4136G	109.14	Inf	-Inf	32.69	3	V	300	2.11	-
PK	2.4838G	59.33	74.00	-14.67	32.78	3	V	300	2.11	-
AV	4.84714G	32.71	54.00	-21.29	3.29	3	H	274	1.88	-
PK	4.84588G	45.36	74.00	-28.64	3.29	3	H	274	1.88	-
AV	4.8426G	32.52	54.00	-21.48	3.29	3	V	142	2.25	-
PK	4.84282G	45.67	74.00	-28.33	3.29	3	V	142	2.25	-

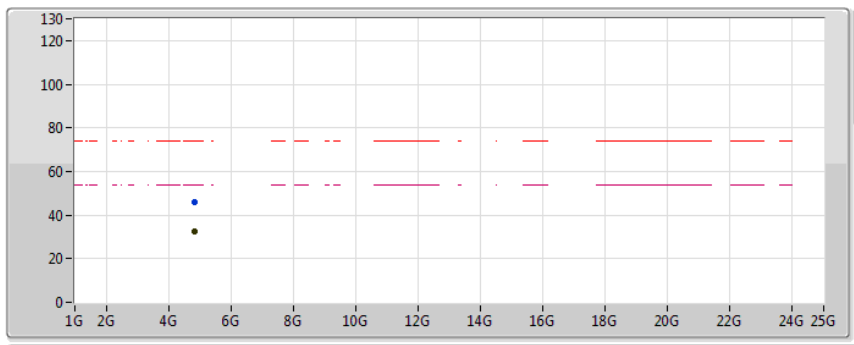
RE TX above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2422MHz;TX



2016/12/01
EUT 2TX Dipole ANT
Setting:60
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389G	51.88	54.00	-2.12	32.67	3	V	300	2.11	-
AV	2.4166G	99.56	Inf	-Inf	32.69	3	V	300	2.11	-
AV	2.4868G	46.62	54.00	-7.38	32.78	3	V	300	2.11	-
PK	2.389G	73.94	74.00	-0.06	32.67	3	V	300	2.11	-
PK	2.4136G	109.14	Inf	-Inf	32.69	3	V	300	2.11	-
PK	2.4838G	59.33	74.00	-14.67	32.78	3	V	300	2.11	-

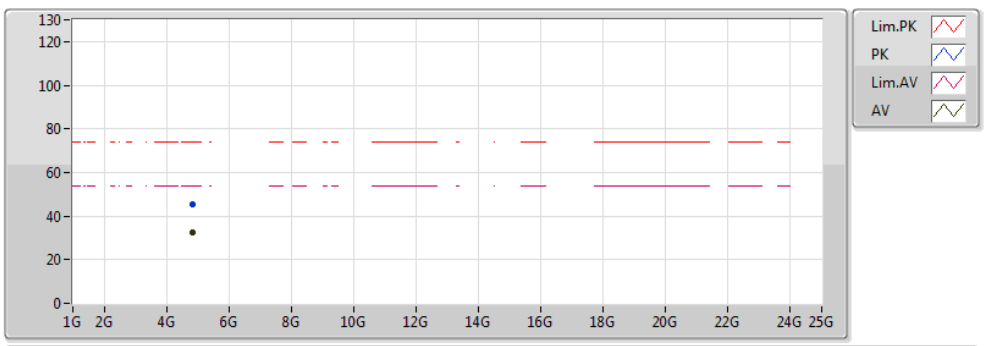
RE TX above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2422MHz;TX



2016/12/02
EUT 2TX Dipole ANT
Setting:60
01-S-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.8426G	32.52	54.00	-21.48	3.29	3	V	142	2.25	-
PK	4.84282G	45.67	74.00	-28.33	3.29	3	V	142	2.25	-

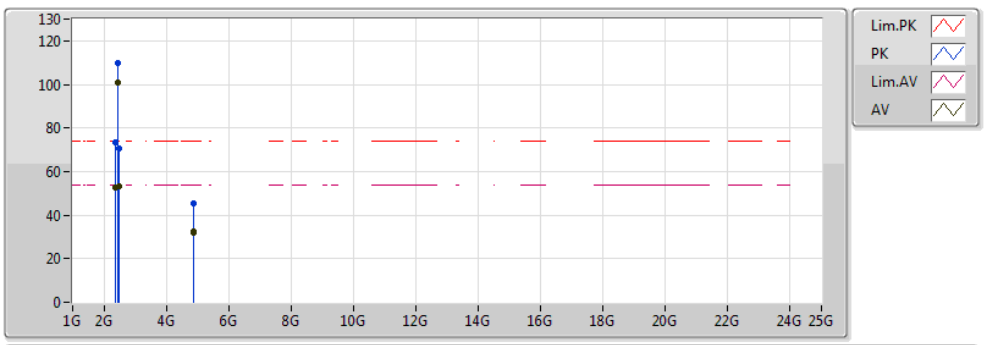
RE TX above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2422MHz;TX



2016/12/02
EUT 2TX Dipole ANT
Setting:60
01-S-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.84714G	32.71	54.00	-21.29	3.29	3	H	274	1.88	-
PK	4.84588G	45.36	74.00	-28.64	3.29	3	H	274	1.88	-

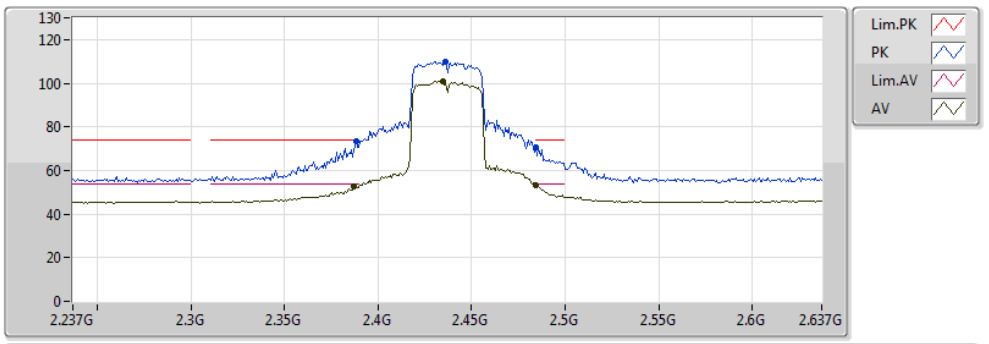
RE TX above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TX



2016/12/01
EUT 2TX Dipole ANT
Setting:69
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3874G	52.58	54.00	-1.42	32.67	3	V	269	1.57	-
AV	2.4346G	101.09	Inf	-Inf	32.71	3	V	269	1.57	-
AV	2.4842G	53.20	54.00	-0.80	32.78	3	V	269	1.57	-
PK	2.3882G	73.56	74.00	-0.44	32.67	3	V	269	1.57	-
PK	2.4362G	109.96	Inf	-Inf	32.72	3	V	269	1.57	-
PK	2.4842G	70.60	74.00	-3.40	32.78	3	V	269	1.57	-
AV	4.8696G	32.38	54.00	-21.62	3.34	3	H	352	1.34	-
PK	4.87454G	45.11	74.00	-28.89	3.34	3	H	352	1.34	-
AV	4.87046G	32.00	54.00	-22.00	3.34	3	V	47	1.41	-
PK	4.87842G	45.22	74.00	-28.78	3.35	3	V	47	1.41	-

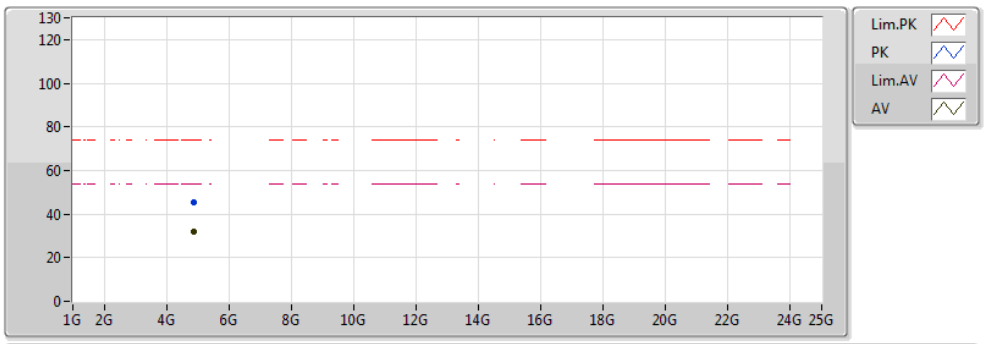
RE TX above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TX



2016/12/01
EUT 2TX Dipole ANT
Setting:69
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3874G	52.58	54.00	-1.42	32.67	3	V	269	1.57	-
AV	2.4346G	101.09	Inf	-Inf	32.71	3	V	269	1.57	-
AV	2.4842G	53.20	54.00	-0.80	32.78	3	V	269	1.57	-
PK	2.3882G	73.56	74.00	-0.44	32.67	3	V	269	1.57	-
PK	2.4362G	109.96	Inf	-Inf	32.72	3	V	269	1.57	-
PK	2.4842G	70.60	74.00	-3.40	32.78	3	V	269	1.57	-

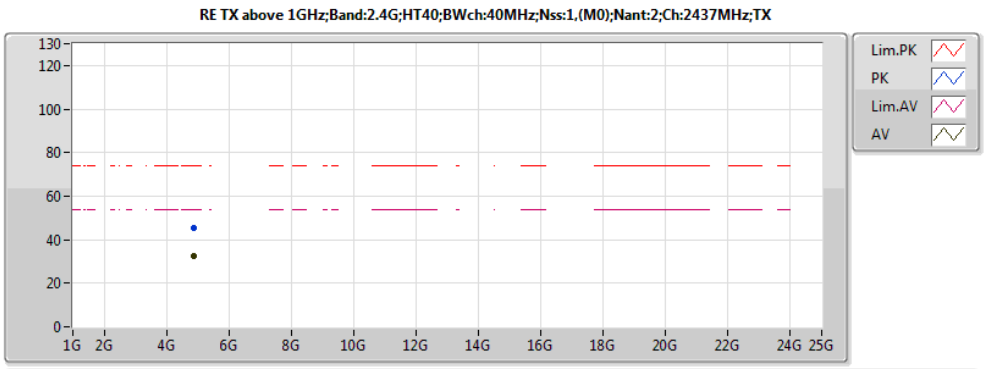
RE TX above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TX



2016/12/02
EUT 2TX Dipole ANT
Setting:69
01-S-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.87046G	32.00	54.00	-22.00	3.34	3	V	47	1.41	-
PK	4.87842G	45.22	74.00	-28.78	3.35	3	V	47	1.41	-

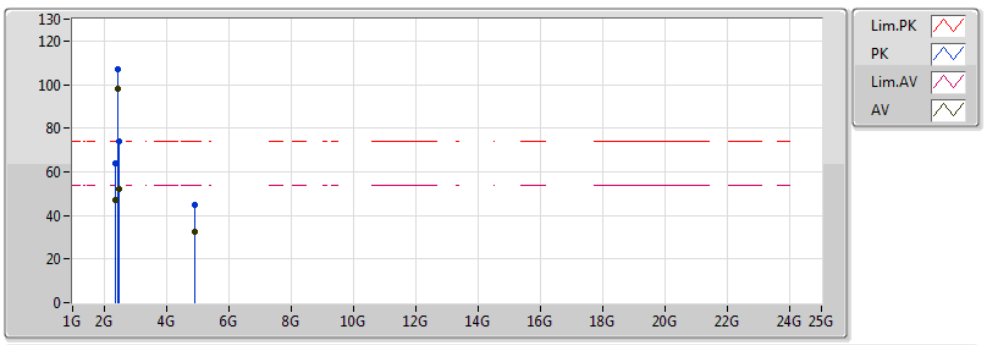
RE TX above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TX



2016/12/02
EUT 2TX Dipole ANT
Setting:69
01-S-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.8696G	32.38	54.00	-21.62	3.34	3	H	352	1.34	-
PK	4.87454G	45.11	74.00	-28.89	3.34	3	H	352	1.34	-

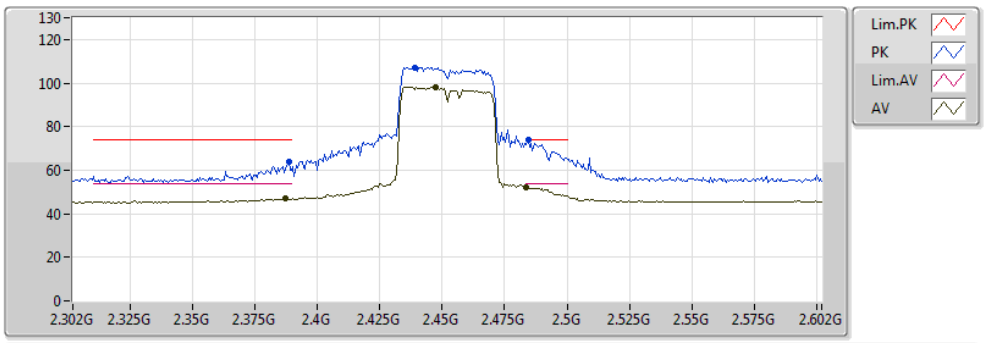
RE TX above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2452MHz;TX



2016/12/01
EUT 2TX Dipole ANT
Setting:60
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3872G	47.03	54.00	-6.97	32.67	3	V	268	1.59	-
AV	2.4472G	98.32	Inf	-Inf	32.73	3	V	268	1.59	-
AV	2.4838G	52.01	54.00	-1.99	32.78	3	V	268	1.59	-
PK	2.3884G	63.67	74.00	-10.33	32.67	3	V	268	1.59	-
PK	2.4388G	107.18	Inf	-Inf	32.72	3	V	268	1.59	-
PK	2.4844G	73.74	74.00	-0.26	32.78	3	V	268	1.59	-
AV	4.90572G	32.42	54.00	-21.58	3.40	3	H	277	1.80	-
PK	4.90102G	44.82	74.00	-29.18	3.39	3	H	277	1.80	-
AV	4.9072G	32.23	54.00	-21.77	3.40	3	V	221	1.29	-
PK	4.90002G	44.83	74.00	-29.17	3.39	3	V	221	1.29	-

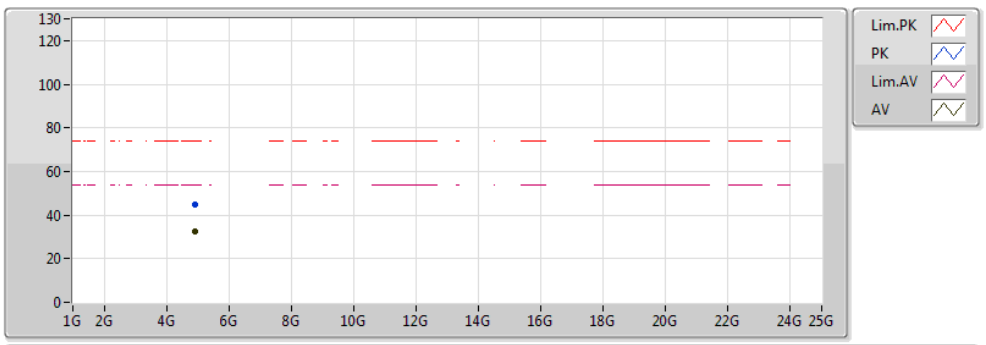
RE TX above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2452MHz;TX



2016/12/01
EUT 2TX Dipole ANT
Setting:60
04 B-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3872G	47.03	54.00	-6.97	32.67	3	V	268	1.59	-
AV	2.4472G	98.32	Inf	-Inf	32.73	3	V	268	1.59	-
AV	2.4838G	52.01	54.00	-1.99	32.78	3	V	268	1.59	-
PK	2.3884G	63.67	74.00	-10.33	32.67	3	V	268	1.59	-
PK	2.4388G	107.18	Inf	-Inf	32.72	3	V	268	1.59	-
PK	2.4844G	73.74	74.00	-0.26	32.78	3	V	268	1.59	-

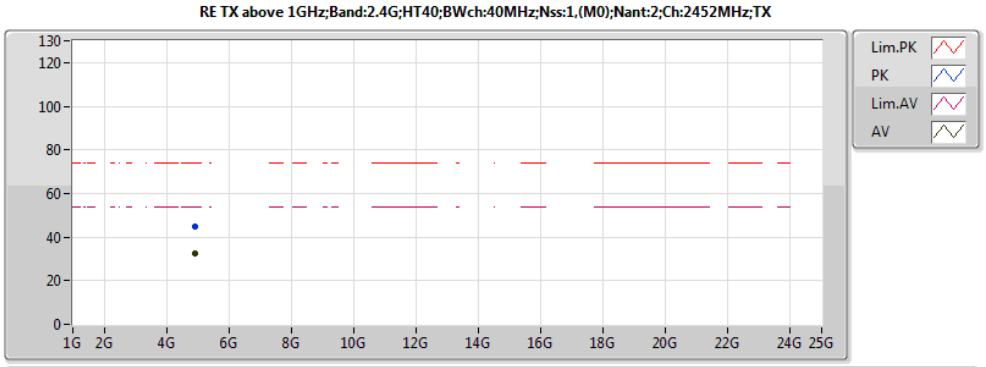
RE TX above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2452MHz;TX



2016/12/02
EUT 2TX Dipole ANT
Setting:60
01-S-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.9072G	32.23	54.00	-21.77	3.40	3	V	221	1.29	-
PK	4.90002G	44.83	74.00	-29.17	3.39	3	V	221	1.29	-

RE TX above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2452MHz;TX



2016/12/02
EUT 2TX Dipole ANT
Setting:60
01-S-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.90572G	32.42	54.00	-21.58	3.40	3	H	277	1.80	-
PK	4.90102G	44.82	74.00	-29.18	3.39	3	H	277	1.80	-