FCC Test Report

Equipment	: AC2600 Wi-Fi Range Extender/AC1900 Wi-Fi Range Extender
Brand Name	: TP-Link
Model No.	: RE650/RE500
FCC ID	: TE7RE650
Standard	: 47 CFR FCC Part 15.247
Operating Band	: 2400 MHz – 2483.5 MHz
Function	: ☒ Point-to-multipoint; ☐ Point-to-point
Applicant	: TP-Link Technologies Co., Ltd. Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park,Shennan Rd, Nanshan, Shenzhen,China
Manufacturer	: TP-Link Technologies Co., Ltd. Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park,Shennan Rd, Nanshan, Shenzhen,China

The product sample received on Nov. 07, 2016 and completely tested on Dec. 21, 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
FR6N0412AA	Rev. 01	Initial issue of report	Jan. 13, 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), ac (VHT20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), ac (VHT40)	2422-2452	3-9 [7]

Band	Mode	BWch (MHz)	Nant
2.4G	11b	20	4
2.4G	11g	20	4
2.4G	HT20	20	4
2.4G	HT20,BF	20	4
2.4G	VHT20	20	4
2.4G	VHT20,BF	20	4
2.4G	HT40	40	4
2.4G	HT40,BF	40	4
2.4G	VHT40	40	4
2.4G	VHT40,BF	40	4

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.
- VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- BWch is the nominal channel bandwidth.
- Nss-Min is the minimum number of spatial streams.
- Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.
- BF is the beamforming function.

1.1.2 Antenna Information

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)		
					2.4GHz	5GHz Band 1	5GHz Band 4
1	TP-LINK	3101501019	Omni Antenna	I-PEX	1.45	1.99	1.92
2	TP-LINK	3101501018	Omni Antenna	I-PEX	1.47	1.79	1.79
3	TP-LINK	3101501019	Omni Antenna	I-PEX	1.45	1.99	1.92
4	TP-LINK	3101501018	Omni Antenna	I-PEX	1.47	1.79	1.79

Note: The EUT has four antennas. (4TX/4RX)

Ant. 1~Ant. 4 (P1~P4) could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	T(s)	VBW(Hz) ≥ 1/T
11b	0.965	16.228m	100
11g	0.896	2.7m	1k
VHT20	0.914	3.753m	300
VHT20,BF	0.993	n/a (DC>=0.98)	n/a (DC>=0.98)
VHT40	0.891	2.998m	1k
VHT40,BF	0.975	255.625u	10k

1.1.4 EUT Operational Condition

EUT Power Type	Internal power supply			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for 802.11n/ac.			

1.1.5 Table for Multiple Listing

The EUT has two equipment name and two model numbers which are identical to each other in all aspects except for the following table:

Equipment Name	Model No.	Description
AC2600 Wi-Fi Range Extender	RE650	There is nothing different of two models, just for different marketing use.
AC1900 Wi-Fi Range Extender	RE500	

From the above models, model: RE650 was selected as representative model for the test and its data was recorded in this report.

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 644545 D01 v01r02
- 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	Gino Huang / Eddie Weng	23°C / 58%	Dec. 20, 2016~Dec. 21, 2016
Radiated	03CH01-CB	Jay Luo	22°C / 54%	Nov. 17, 2016~Dec. 12, 2016
AC Conduction	CO01-CB	Kane Liu	23°C / 60%	Nov. 17, 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%
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

Band	Mode	BWch (MHz)	Nss-Min	Nant	Ch. (MHz)	Range	Power Setting
2.4G	11b	20	1	4	2412	L	1C
2.4G	11b	20	1	4	2437	M	21
2.4G	11b	20	1	4	2462	H	1A
2.4G	11g	20	1	4	2412	L	18
2.4G	11g	20	1	4	2437	M	21
2.4G	11g	20	1	4	2462	H	15
2.4G	VHT20	20	1,(M0)	4	2412	L	15
2.4G	VHT20	20	1,(M0)	4	2437	M	21
2.4G	VHT20	20	1,(M0)	4	2462	H	15
2.4G	VHT40	40	1,(M0)	4	2422	L	0E
2.4G	VHT40	40	1,(M0)	4	2437	M	17
2.4G	VHT40	40	1,(M0)	4	2452	H	11
2.4G	VHT20,BF	20	1,(M0)	4	2412	L	18.5
2.4G	VHT20,BF	20	1,(M0)	4	2437	M	63
2.4G	VHT20,BF	20	1,(M0)	4	2462	H	18
2.4G	VHT40,BF	40	1,(M0)	4	2422	L	12.5
2.4G	VHT40,BF	40	1,(M0)	4	2437	M	18
2.4G	VHT40,BF	40	1,(M0)	4	2452	H	13

Note:
- Test range channel consist of L (Low Ch.), M (Middle Ch.), H (High Ch.), S (Single Ch.) and C (Straddle Band Ch.).
- BF is the beamforming function.
- There are two functions of EUT, one is beamforming function, and the other is non-beamforming function for 802.11n/ac. All test results were recorded in this 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	Repeater mode

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	Normal Link
1	Repeater mode + EUT X axis
2	Repeater mode + EUT Y axis
3	Repeater mode + EUT Z axis
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
1	EUT X axis
2	EUT Y axis
3	EUT Z axis
Mode 1 has been evaluated to be the worst case after evaluating. Consequently, measurement will follow this same test mode.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	Repeater mode + EUT X axis (WLAN 2.4GHz + WLAN 5GHz)
2	Repeater mode + EUT Y axis (WLAN 2.4GHz + WLAN 5GHz)
3	Repeater mode + EUT Z axis (WLAN 2.4GHz + WLAN 5GHz)
For operating mode 2 is the worst case and it was record in this test report.	
Refer to Sporton Test Report No.: FA6N0412 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

Note: There are two modes of EUT, one is AP mode, and the other is repeater mode.
Only the most complex mode for repeater mode was performed for all the tests and recorded in this report.

2.3 EUT Operation during Test

For CTX Mode:

For non-beamforming function:

The EUT was programmed to be in continuously transmitting mode.

For beamforming function:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN XP 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 QATool_Dbg, Telnet.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Rx Device and transmit duty cycle no less 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

N/A

2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*3	DELL	E6430	DoC
2	AP Router	Planex	GW-AP54SGX	KA220030603014-1

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

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB	DELL	E4300	DoC
2	NB*2	Apple	Mac Book	DoC
3	WLAN AP	D-LINK	DIR860L	KA2IR860LA1

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

For non-beamforming function:

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

For beamforming function:

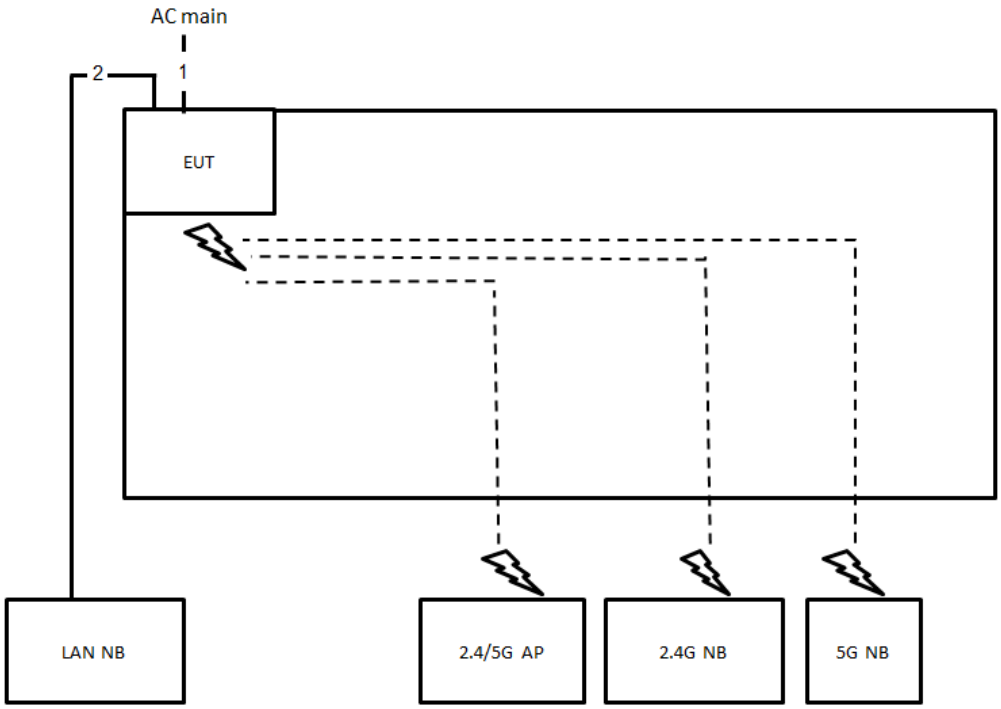
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*2	DELL	E4300	DoC
2	AC2600 Wi-Fi Range Extender (Rx Device)	TP-Link	RE650	TE7RE650

For Test Site No: TH01-CB

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

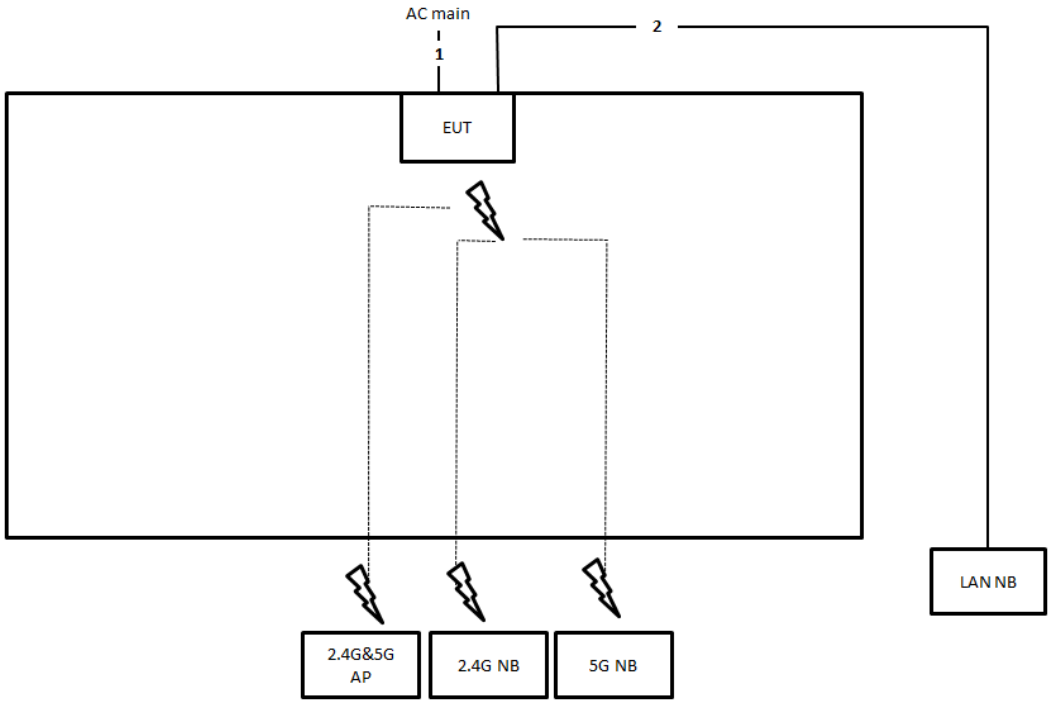
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



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

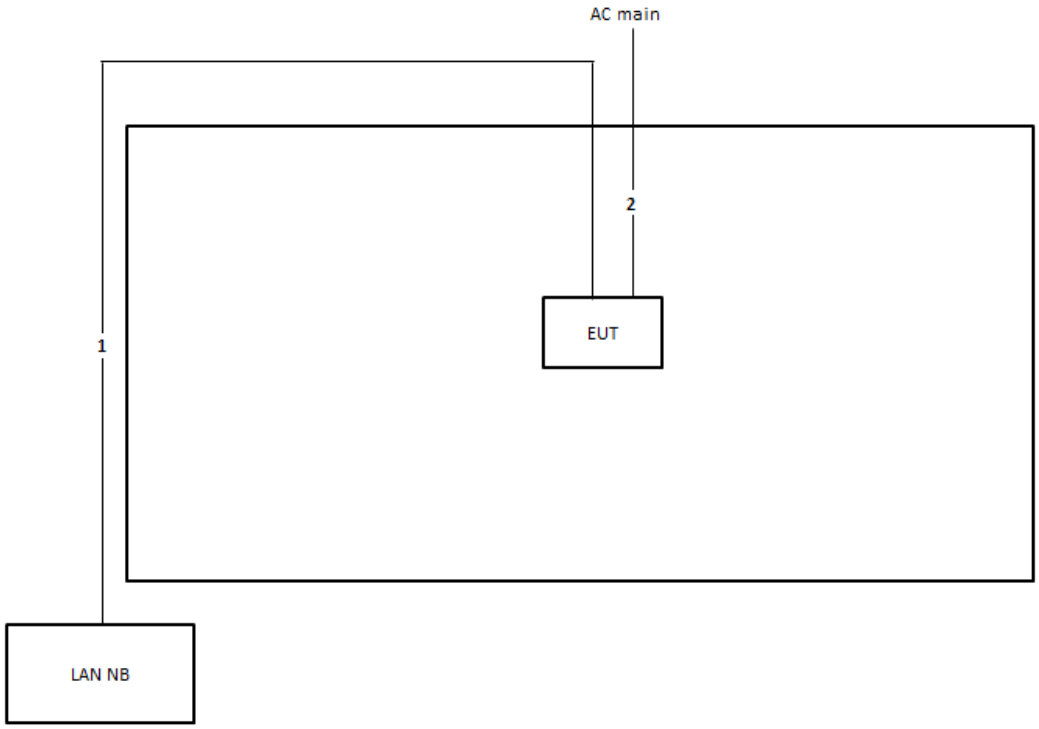
Test Setup Diagram - Radiated Test < 1GHz



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

Test Setup Diagram - Radiated Test > 1GHz

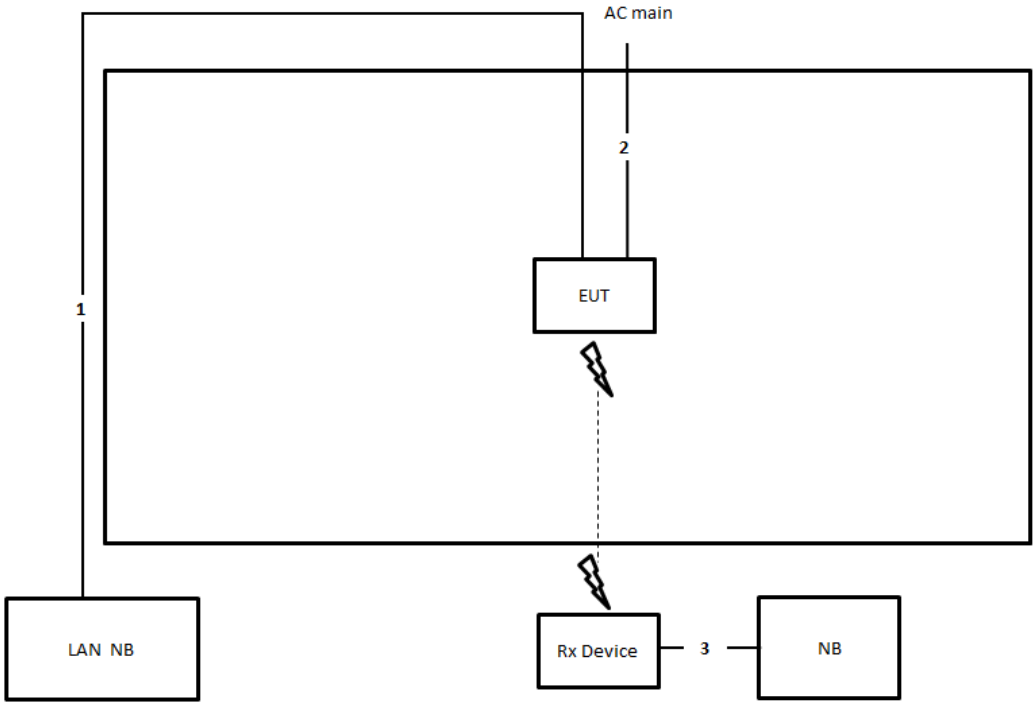
For non-beamforming function:



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

Test Setup Diagram - Radiated Test > 1GHz

For beamforming function:



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

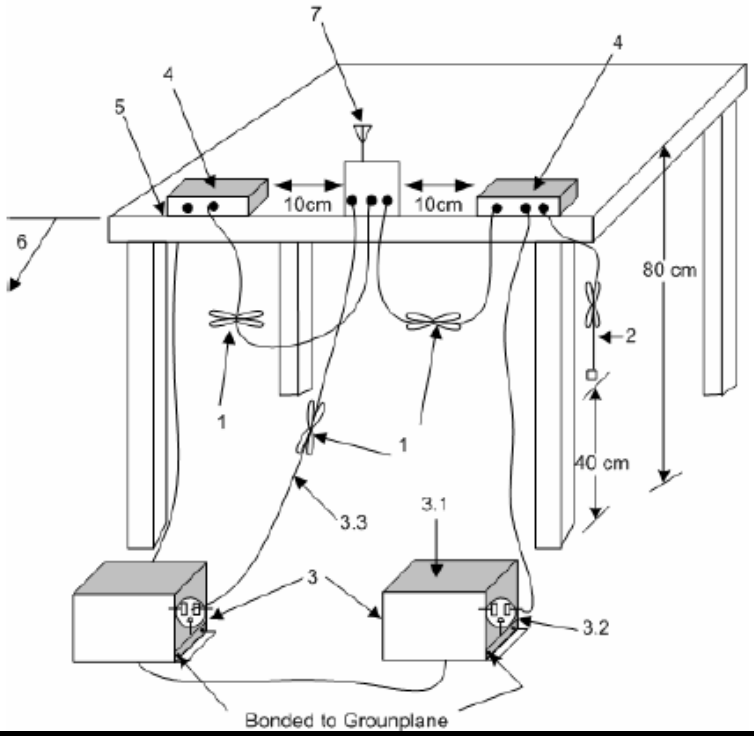
Refer a test equipment and calibration data table in this test report.

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



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.

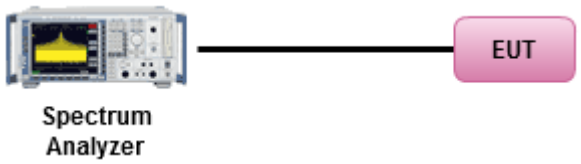
3.2.2 Measuring Instruments

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

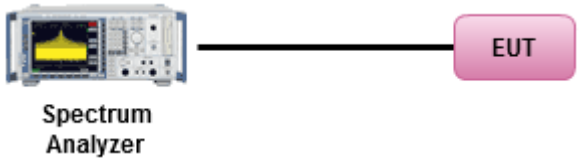
3.4.2 Measuring Instruments

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

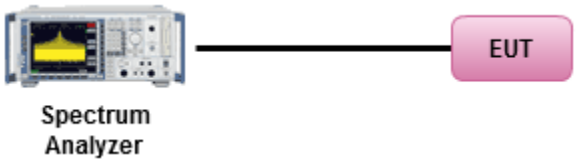
Refer a test equipment and calibration data table in this test report.

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.

3.6.2 Measuring Instruments

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

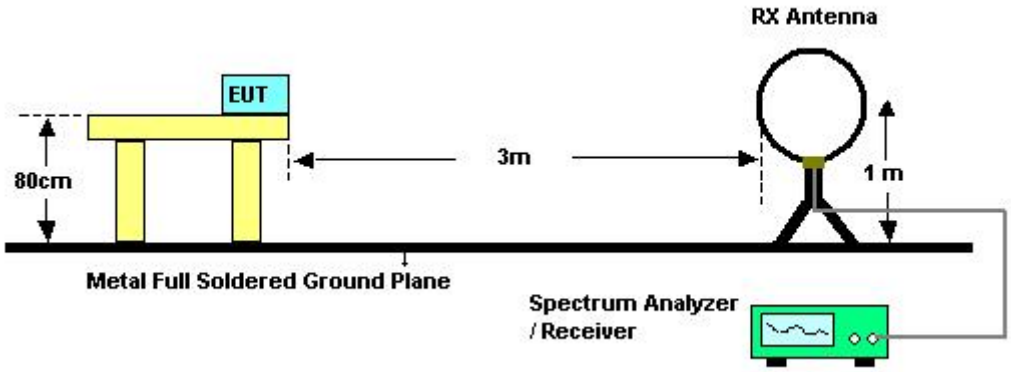
3.6.3 Test Procedures

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.	

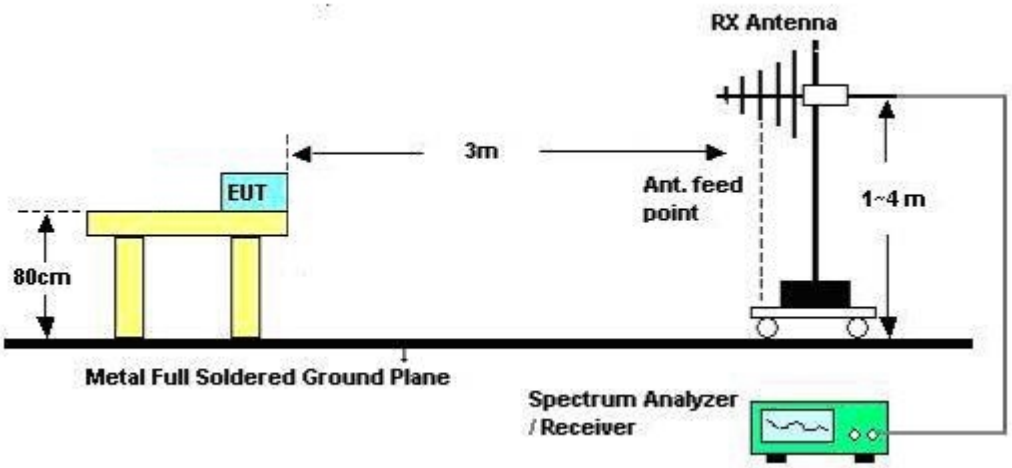
3.6.4 Test Setup

Transmitter Radiated Emissions

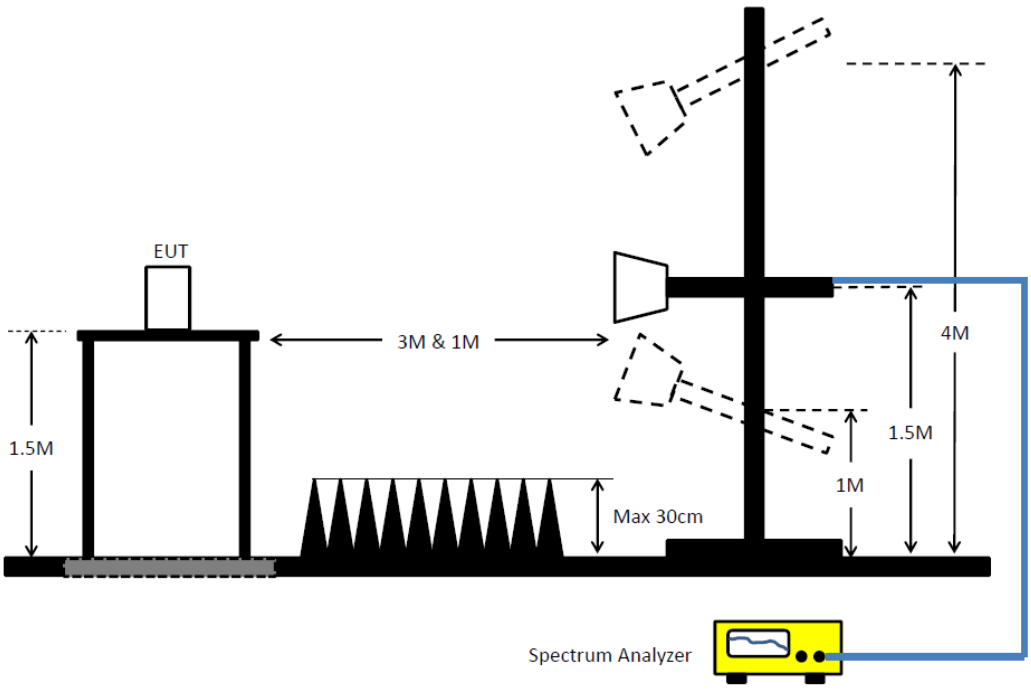
9kHz ~30MHz



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	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 08, 2015	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 23, 2015	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)
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	FSP-40	100019	9kHz ~ 40GHz	Apr. 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)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Radiation (03CH01-CB)
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)

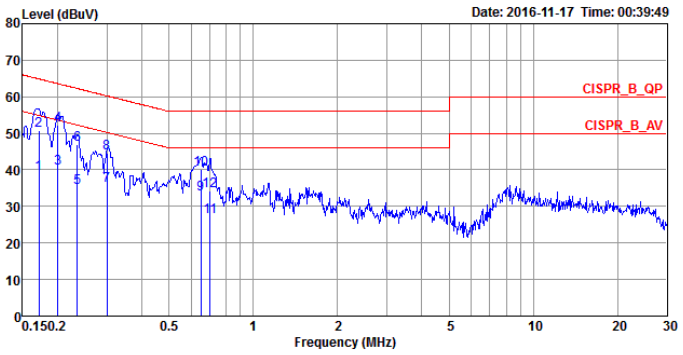
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
RF Cable-high	Woken	RG402	High Cable-9	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	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.

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

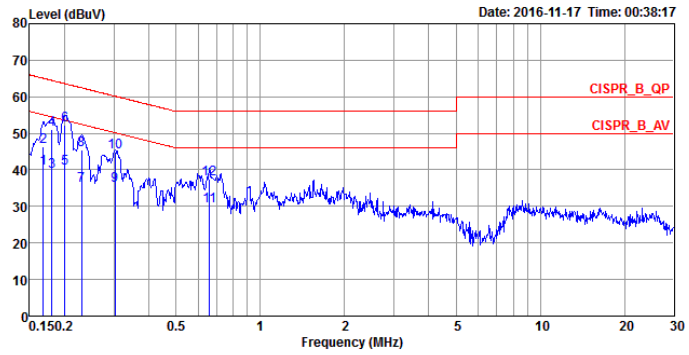
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Pol/Phase	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1712	38.94	-15.96	54.90	28.75	10.02	0.17	NEUTRAL	Average
2	0.1712	50.63	-14.27	64.90	40.44	10.02	0.17	NEUTRAL	QP
3	0.2007	40.58	-13.00	53.58	30.47	9.92	0.19	NEUTRAL	Average
4	0.2007	52.33	-11.25	63.58	42.22	9.92	0.19	NEUTRAL	QP
5	0.2353	35.26	-17.00	52.26	25.19	9.92	0.15	NEUTRAL	Average
6	0.2353	46.83	-15.43	62.26	36.76	9.92	0.15	NEUTRAL	QP
7	0.3003	35.76	-14.48	50.24	25.75	9.92	0.09	NEUTRAL	Average
8	0.3003	44.45	-15.79	60.24	34.44	9.92	0.09	NEUTRAL	QP
9	0.6508	33.32	-12.68	46.00	22.99	9.93	0.40	NEUTRAL	Average
10	0.6508	40.20	-15.80	56.00	29.87	9.93	0.40	NEUTRAL	QP
11	0.7010	27.25	-18.75	46.00	16.86	9.93	0.46	NEUTRAL	Average
12	0.7010	34.16	-21.84	56.00	23.77	9.93	0.46	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	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Pol/Phase	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1677	40.50	-14.58	55.08	30.31	10.02	0.17	LINE	Average
2	0.1677	46.28	-18.80	65.08	36.09	10.02	0.17	LINE	QP
3	0.1806	39.63	-14.83	54.46	29.53	9.92	0.18	LINE	Average
4	0.1806	51.01	-13.45	64.46	40.91	9.92	0.18	LINE	QP
5	0.2007	40.33	-13.25	53.58	30.22	9.92	0.19	LINE	Average
6	0.2007	52.12	-11.46	63.58	42.01	9.92	0.19	LINE	QP
7	0.2304	35.70	-16.74	52.44	25.63	9.92	0.15	LINE	Average
8	0.2304	45.59	-16.85	62.44	35.52	9.92	0.15	LINE	QP
9	0.3035	35.72	-14.43	50.15	25.72	9.92	0.08	LINE	Average
10	0.3035	44.75	-15.40	60.15	34.75	9.92	0.08	LINE	QP
11	0.6578	30.00	-16.00	46.00	19.67	9.93	0.40	LINE	Average
12	0.6578	37.51	-18.49	56.00	27.18	9.93	0.40	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.)

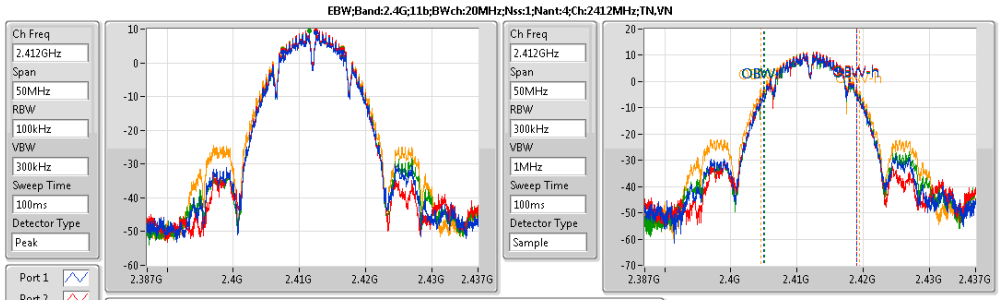
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4G;11b;Nss1;Ntx4	10.075M	18.225M	18M2G1D	9.05M	13.75M
2.4G;11g;Nss1;Ntx4	15.775M	19.9M	19M9D1D	13.2M	16.4M
2.4G;VHT20;Nss1,(M0);Ntx4	16.5M	20.75M	20M7D1D	12.9M	17.525M
2.4G;VHT40;Nss1,(M0);Ntx4	35.85M	36.3M	36M3D1D	28.4M	35.95M
2.4G;VHT20,BF;Nss1,(M0);Ntx4	17.5M	20.6M	20M6D1D	13.775M	17.575M
2.4G;VHT40,BF;Nss1,(M0);Ntx4	34.95M	36.25M	36M2D1D	26.3M	35.9M

Result

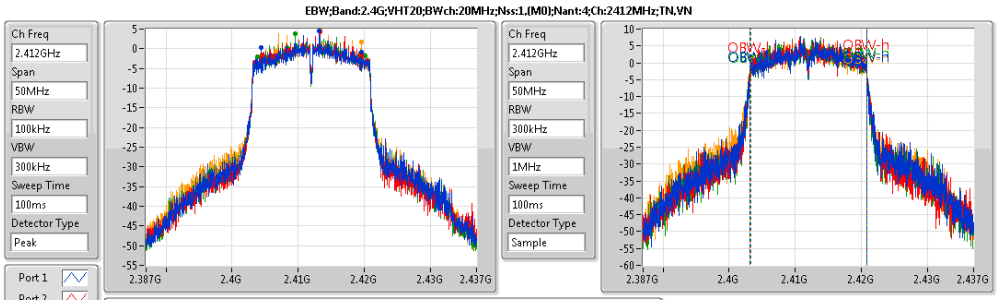
Mode	Result	Limit (Hz)	P1-N dB (Hz)	P1-OBW (Hz)	P2-N dB (Hz)	P2-OBW (Hz)	P3-N dB (Hz)	P3-OBW (Hz)	P4-N dB (Hz)	P4-OBW (Hz)
2.4G;11b;Nss1;Ntx4;2412	Pass	500k	9.075M	14M	9.075M	13.95M	9.05M	14M	9.05M	14.825M
2.4G;11b;Nss1;Ntx4;2437	Pass	500k	10.075M	16.025M	10.025M	15.825M	10.05M	16.3M	10.05M	18.225M
2.4G;11b;Nss1;Ntx4;2462	Pass	500k	9.075M	13.8M	9.075M	13.75M	9.075M	13.8M	9.075M	14.125M
2.4G;11g;Nss1;Ntx4;2412	Pass	500k	15.025M	16.575M	15.025M	16.5M	15.025M	16.45M	13.2M	16.65M
2.4G;11g;Nss1;Ntx4;2437	Pass	500k	14.375M	19.9M	14.45M	18.65M	15.1M	18.95M	15.025M	17.675M
2.4G;11g;Nss1;Ntx4;2462	Pass	500k	14.4M	16.425M	14.925M	16.425M	15.775M	16.4M	14.35M	16.5M
2.4G;VHT20;Nss1,(M0);Ntx4;2412	Pass	500k	15.05M	17.575M	15.05M	17.6M	16.3M	17.525M	12.9M	17.65M
2.4G;VHT20;Nss1,(M0);Ntx4;2437	Pass	500k	14.975M	20.75M	15.05M	19.75M	15.6M	19.95M	15.4M	18.525M
2.4G;VHT20;Nss1,(M0);Ntx4;2462	Pass	500k	14.375M	17.6M	14.4M	17.55M	16.5M	17.55M	15.775M	17.625M
2.4G;VHT40;Nss1,(M0);Ntx4;2422	Pass	500k	30.05M	36.15M	30M	36.15M	35.85M	35.95M	35.4M	36.2M
2.4G;VHT40;Nss1,(M0);Ntx4;2437	Pass	500k	31.25M	36.1M	30.65M	36.05M	29.4M	36.05M	28.4M	36.3M
2.4G;VHT40;Nss1,(M0);Ntx4;2452	Pass	500k	34M	36.25M	31.35M	36.1M	33.95M	36.1M	35.1M	36.3M
2.4G;VHT20,BF;Nss1,(M0);Ntx4;2412	Pass	500k	16.875M	17.65M	17.5M	17.6M	16.3M	17.575M	15.45M	17.675M
2.4G;VHT20,BF;Nss1,(M0);Ntx4;2437	Pass	500k	14.175M	20.6M	13.775M	19.275M	15.625M	19.975M	15.075M	18.4M
2.4G;VHT20,BF;Nss1,(M0);Ntx4;2462	Pass	500k	15.875M	17.6M	15.675M	17.65M	16.15M	17.625M	14.175M	17.675M
2.4G;VHT40,BF;Nss1,(M0);Ntx4;2422	Pass	500k	26.3M	36.1M	34.6M	36.1M	34.95M	35.9M	34.05M	36M
2.4G;VHT40,BF;Nss1,(M0);Ntx4;2437	Pass	500k	31.3M	36.15M	28.8M	36M	30.7M	36.15M	32.5M	36.25M
2.4G;VHT40,BF;Nss1,(M0);Ntx4;2452	Pass	500k	34.4M	36.1M	30.7M	36.05M	32.5M	36.15M	28.7M	36.05M

EBW;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2412MHz;TN,VN



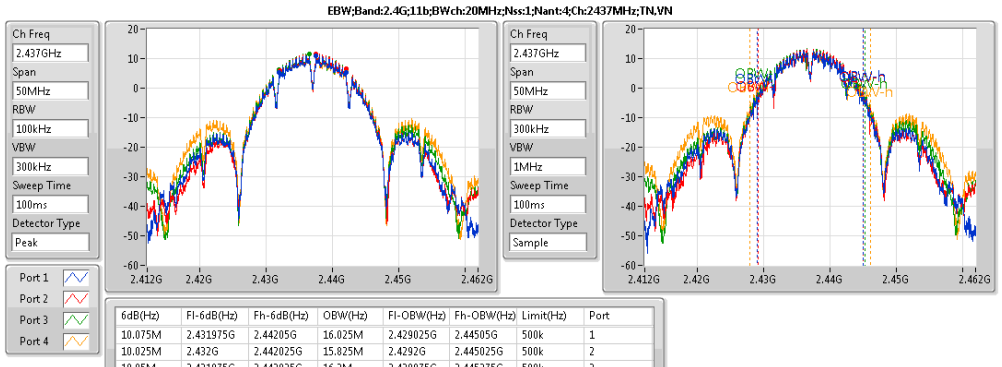
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.075M	2.407475G	2.41655G	14M	2.405025G	2.419025G	500k	1
9.075M	2.407475G	2.41655G	13.95M	2.405025G	2.418975G	500k	2
9.05M	2.407475G	2.416525G	14M	2.40505G	2.41905G	500k	3
9.05M	2.407475G	2.416525G	14.825M	2.404575G	2.4194G	500k	4

EBW;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2412MHz;TN,VN



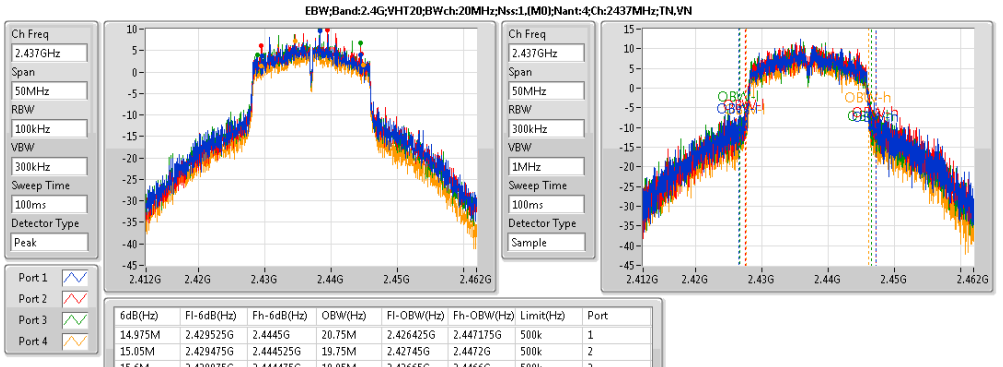
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.05M	2.404475G	2.419525G	17.575M	2.403225G	2.4208G	500k	1
15.05M	2.4045G	2.41955G	17.6M	2.4032G	2.4208G	500k	2
16.3M	2.40385G	2.42015G	17.525M	2.40325G	2.420775G	500k	3
12.9M	2.406625G	2.419525G	17.65M	2.403175G	2.420825G	500k	4

EBW;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2437MHz;TN,VN



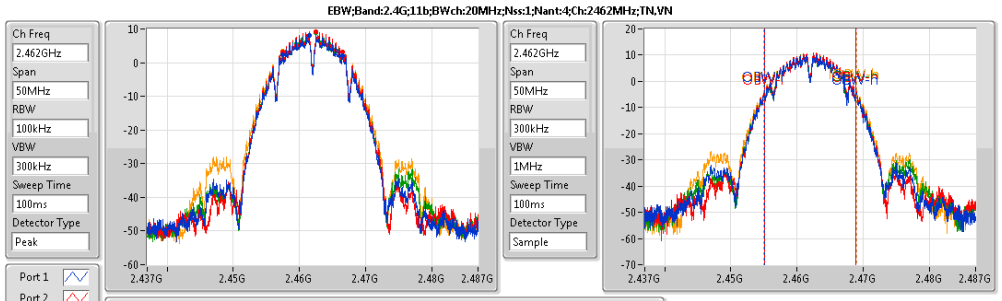
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.075M	2.431975G	2.44205G	16.025M	2.429025G	2.44505G	500k	1
10.025M	2.432G	2.442025G	15.825M	2.4292G	2.445025G	500k	2
10.05M	2.431975G	2.442025G	16.3M	2.428975G	2.445275G	500k	3
10.05M	2.431975G	2.442025G	18.225M	2.427925G	2.44615G	500k	4

EBW;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TN,VN



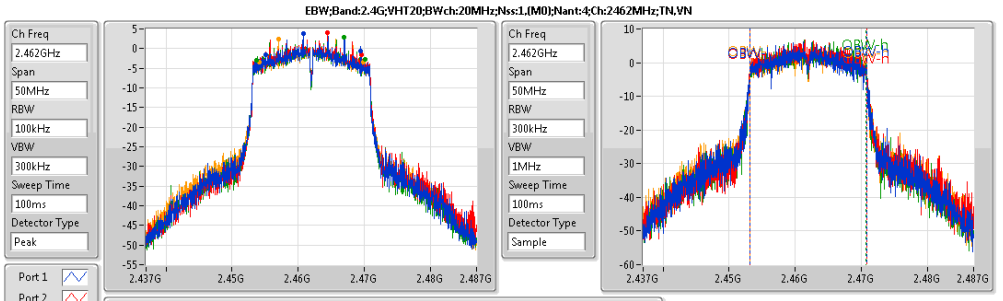
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.975M	2.429525G	2.4445G	20.75M	2.426425G	2.447175G	500k	1
15.05M	2.429475G	2.444525G	19.75M	2.42745G	2.4472G	500k	2
15.6M	2.428875G	2.444475G	19.95M	2.42665G	2.4466G	500k	3
15.4M	2.429475G	2.444875G	18.525M	2.4276G	2.446125G	500k	4

EBW;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2462MHz;TN,VN



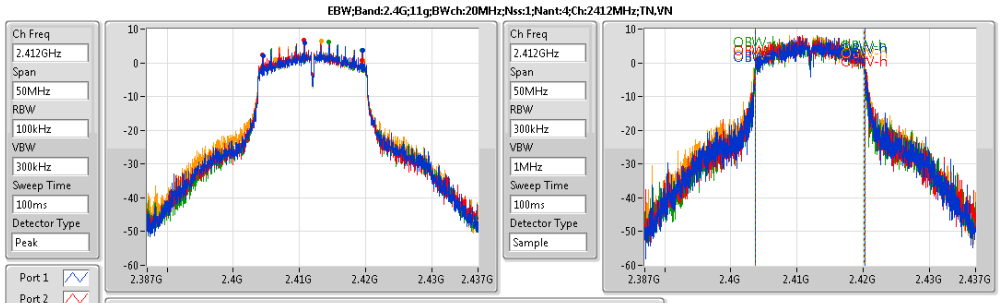
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.075M	2.457475G	2.46655G	13.8M	2.455075G	2.468875G	500k	1
9.075M	2.457475G	2.46655G	13.75M	2.45515G	2.4689G	500k	2
9.075M	2.457475G	2.46655G	13.8M	2.4551G	2.4689G	500k	3
9.075M	2.457475G	2.46655G	14.125M	2.45495G	2.469075G	500k	4

EBW;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2462MHz;TN,VN



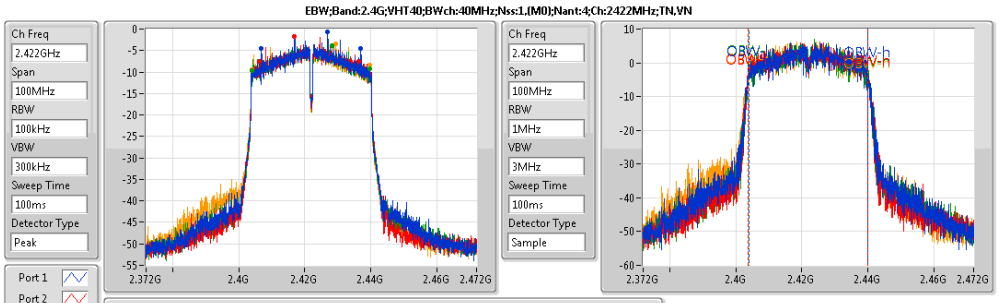
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.375M	2.455125G	2.4695G	17.6M	2.453175G	2.470775G	500k	1
14.4M	2.455125G	2.469525G	17.55M	2.453225G	2.470775G	500k	2
16.5M	2.45365G	2.47015G	17.55M	2.4532G	2.47075G	500k	3
15.775M	2.4541G	2.469875G	17.625M	2.453175G	2.4708G	500k	4

EBW;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2412MHz;TN,VN



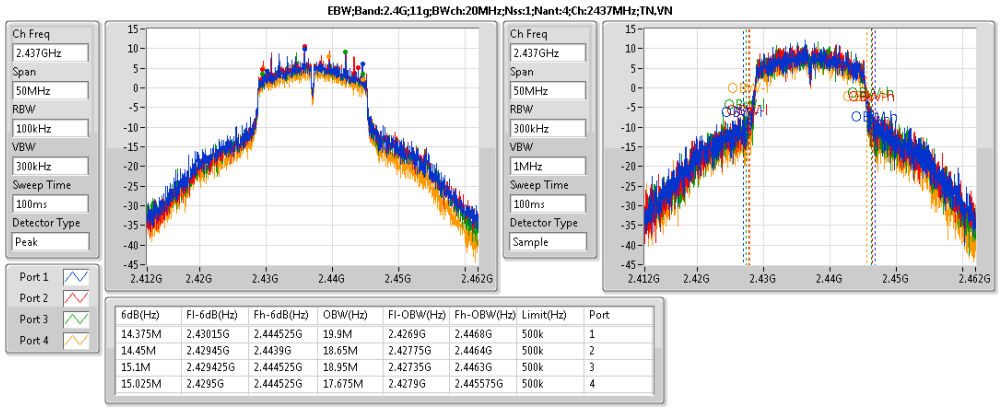
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	2.4045G	2.419525G	16.575M	2.40375G	2.420325G	500k	1
15.025M	2.404475G	2.4195G	16.5M	2.403775G	2.420275G	500k	2
15.025M	2.404475G	2.4195G	16.45M	2.40375G	2.4202G	500k	3
13.2M	2.406375G	2.419575G	16.65M	2.403675G	2.420325G	500k	4

EBW;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2422MHz;TN,VN



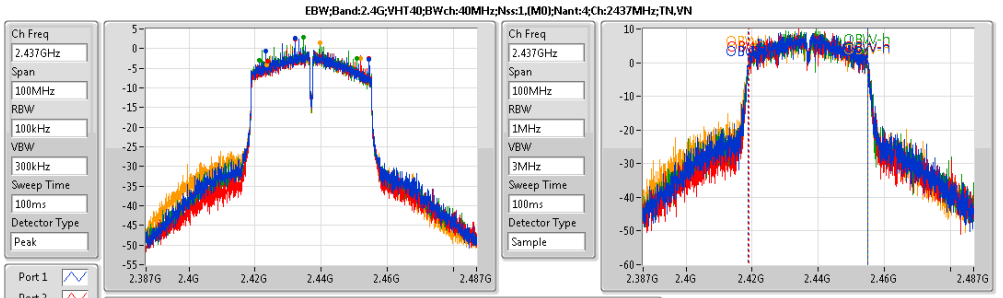
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.05M	2.40695G	2.437G	36.15M	2.4039G	2.44005G	500k	1
30M	2.4064G	2.43645G	36.15M	2.40385G	2.444G	500k	2
35.85M	2.4039G	2.43975G	35.95M	2.404G	2.43995G	500k	3
35.4M	2.40415G	2.43955G	36.2M	2.4038G	2.444G	500k	4

EBW;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2437MHz;TN,VN



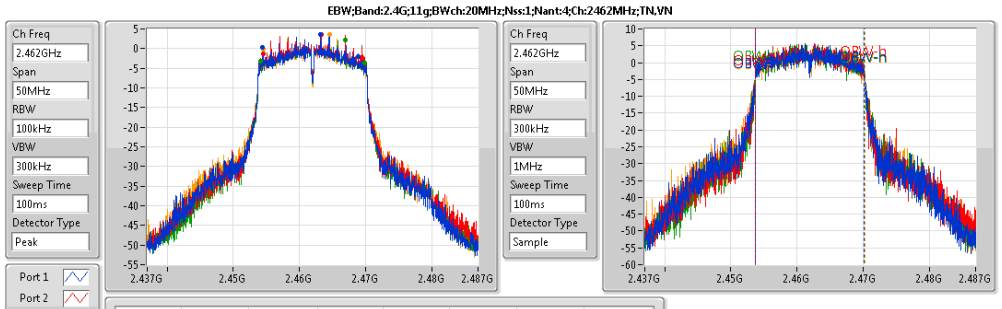
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.375M	2.43015G	2.444525G	19.9M	2.4269G	2.4468G	500k	1
14.45M	2.42945G	2.4439G	18.65M	2.42775G	2.4464G	500k	2
15.1M	2.429425G	2.444525G	18.95M	2.42735G	2.4463G	500k	3
15.025M	2.4295G	2.444525G	17.675M	2.4279G	2.445575G	500k	4

EBW;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TN,VN



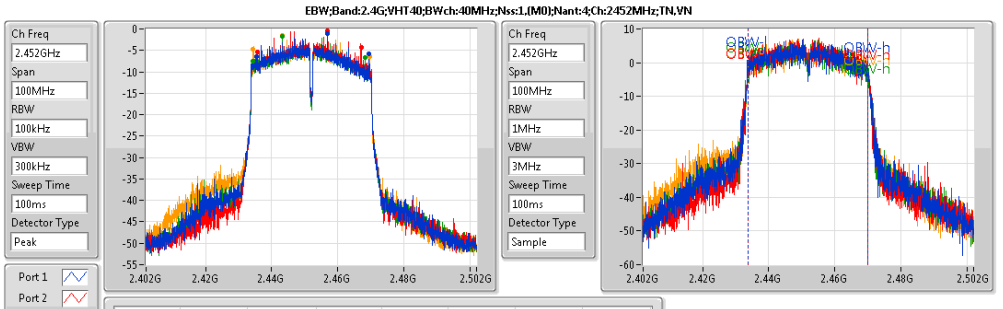
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.25M	2.42325G	2.4545G	36.1M	2.41885G	2.45495G	500k	1
30.65M	2.42385G	2.4545G	36.05M	2.41895G	2.455G	500k	2
29.4M	2.42135G	2.45075G	36.05M	2.41895G	2.455G	500k	3
28.4M	2.4236G	2.452G	36.3M	2.4187G	2.455G	500k	4

EBW;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2462MHz;TN,VN



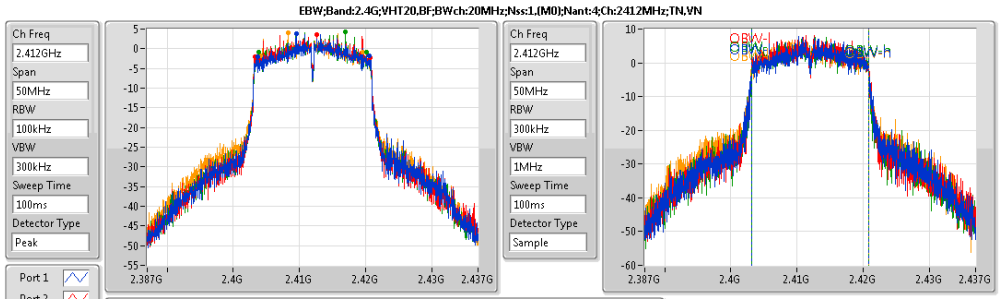
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.4M	2.454475G	2.468875G	16.425M	2.45375G	2.470175G	500k	1
14.925M	2.454575G	2.4695G	16.425M	2.45375G	2.470175G	500k	2
15.775M	2.454125G	2.4699G	16.4M	2.453775G	2.470175G	500k	3
14.35M	2.45455G	2.4689G	16.5M	2.453725G	2.470225G	500k	4

EBW;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2452MHz;TN,VN



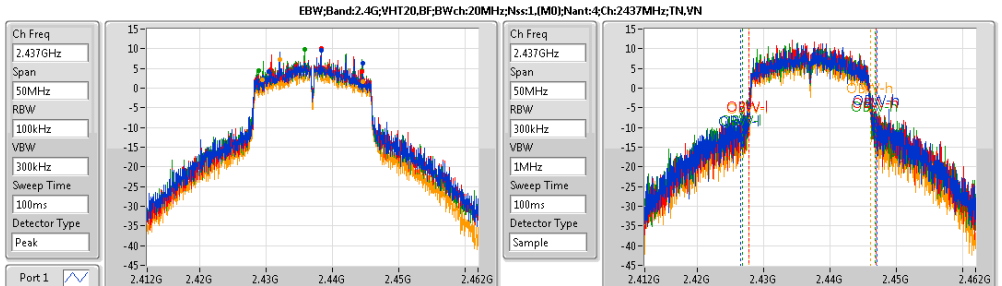
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34M	2.4355G	2.4695G	36.25M	2.4337G	2.46995G	500k	1
31.35M	2.4357G	2.46705G	36.1M	2.43385G	2.46995G	500k	2
33.95M	2.43425G	2.4682G	36.1M	2.4338G	2.4699G	500k	3
35.1M	2.43445G	2.46955G	36.3M	2.43375G	2.47005G	500k	4

EBW;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2412MHz;TN,VN



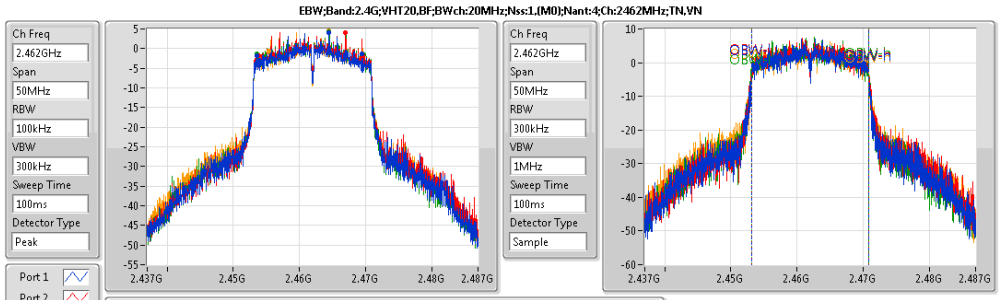
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.875M	2.40365G	2.420525G	17.65M	2.403175G	2.420825G	500k	1
17.5M	2.40325G	2.42075G	17.6M	2.403225G	2.420825G	500k	2
16.3M	2.40385G	2.42015G	17.575M	2.4032G	2.420775G	500k	3
15.45M	2.404125G	2.419575G	17.675M	2.403125G	2.4208G	500k	4

EBW;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TN,VN



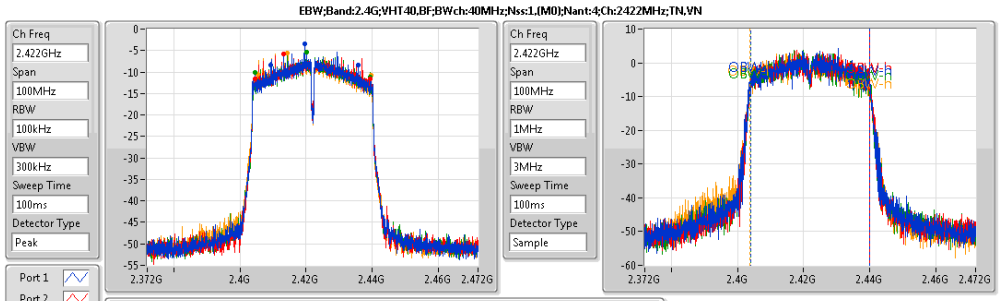
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.175M	2.43035G	2.444525G	20.6M	2.426525G	2.447125G	500k	1
13.775M	2.430725G	2.4445G	19.275M	2.427675G	2.44695G	500k	2
15.625M	2.428875G	2.4445G	19.975M	2.426775G	2.44675G	500k	3
15.075M	2.429475G	2.44455G	18.4M	2.427725G	2.446125G	500k	4

EBW;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2462MHz;TN,VN



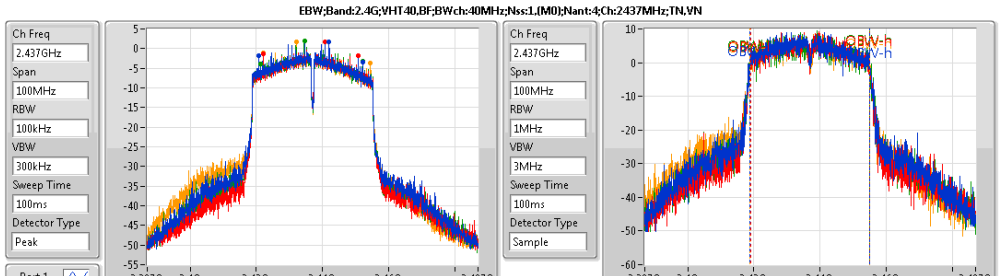
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.875M	2.453625G	2.4695G	17.6M	2.453175G	2.470775G	500k	1
15.675M	2.453875G	2.46955G	17.65M	2.453175G	2.470825G	500k	2
16.15M	2.453625G	2.469775G	17.625M	2.45315G	2.470775G	500k	3
14.175M	2.45535G	2.469525G	17.675M	2.45315G	2.470825G	500k	4

EBW;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2422MHz;TN,VN



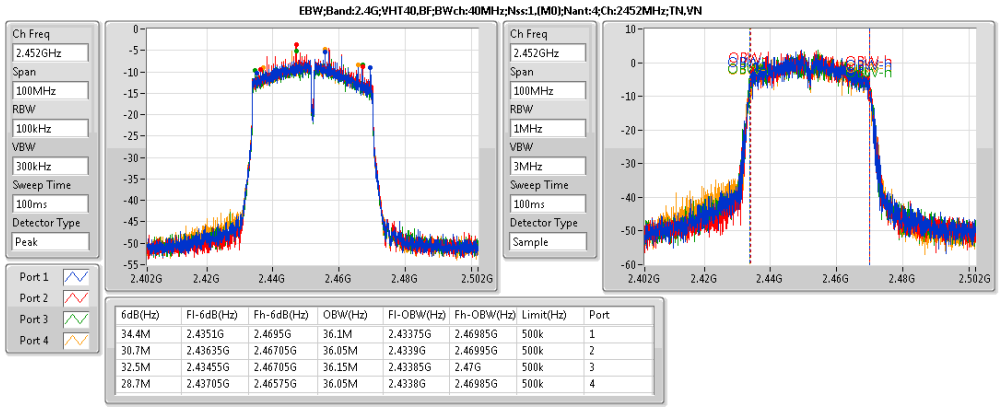
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.3M	2.40945G	2.43575G	36.1M	2.4039G	2.44G	500k	1
34.6M	2.4047G	2.4393G	36.1M	2.4039G	2.44G	500k	2
34.95M	2.40455G	2.4395G	35.9M	2.40405G	2.43995G	500k	3
34.05M	2.4055G	2.43955G	36M	2.40385G	2.43985G	500k	4

EBW;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TN,VN



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.3M	2.42075G	2.45205G	36.15M	2.4188G	2.45495G	500k	1
28.8M	2.422G	2.4508G	36M	2.4189G	2.4549G	500k	2
30.7M	2.42135G	2.45205G	36.15M	2.41885G	2.455G	500k	3
32.5M	2.422G	2.4545G	36.25M	2.41875G	2.455G	500k	4

EBW;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2452MHz;TN,VN



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.4M	2.4351G	2.4695G	36.1M	2.43375G	2.46985G	500k	1
30.7M	2.43635G	2.46705G	36.05M	2.4339G	2.46995G	500k	2
32.5M	2.43455G	2.46705G	36.15M	2.43385G	2.47G	500k	3
28.7M	2.43705G	2.46575G	36.05M	2.4338G	2.46985G	500k	4

Summary

Mode	Sum (dBm)	Sum (W)	EIRP (dBm)	EIRP (W)
2.4G;11b;Nss1;Ntx4	26.98	0.49888	28.45	0.69984
2.4G;11g;Nss1;Ntx4	26.35	0.43152	27.82	0.60534
2.4G;VHT20;Nss1,(M0);Ntx4	26.24	0.42073	27.71	0.5902
2.4G;VHT40;Nss1,(M0);Ntx4	22.70	0.18621	24.17	0.26122
2.4G;VHT20,BF;Nss1,(M0);Ntx4	26.59	0.45604	34.08	2.55859
2.4G;VHT40,BF;Nss1,(M0);Ntx4	20.93	0.12388	28.41	0.69343

Result

Mode	Result	DG (dBi)	Sum (dBm)	Sum Lim. (dBm)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)
2.4G;11b;Nss1;Ntx4;2412	Pass	1.47	24.96	30.00	18.73	18.84	19.33	18.82
2.4G;11b;Nss1;Ntx4;2437	Pass	1.47	26.98	30.00	21.20	20.11	21.22	21.21
2.4G;11b;Nss1;Ntx4;2462	Pass	1.47	24.12	30.00	18.21	18.00	17.99	18.21
2.4G;11g;Nss1;Ntx4;2412	Pass	1.47	21.84	30.00	15.71	15.69	15.87	16.01
2.4G;11g;Nss1;Ntx4;2437	Pass	1.47	26.35	30.00	20.74	20.98	20.02	19.42
2.4G;11g;Nss1;Ntx4;2462	Pass	1.47	20.36	30.00	14.48	14.05	14.70	14.11
2.4G;VHT20;Nss1,(M0);Ntx4;2412	Pass	1.47	20.43	30.00	14.31	14.01	14.65	14.62
2.4G;VHT20;Nss1,(M0);Ntx4;2437	Pass	1.47	26.24	30.00	20.67	20.95	19.85	19.18
2.4G;VHT20;Nss1,(M0);Ntx4;2462	Pass	1.47	20.12	30.00	13.86	14.22	14.15	14.15
2.4G;VHT40;Nss1,(M0);Ntx4;2422	Pass	1.47	17.82	30.00	12.30	11.12	11.83	11.87
2.4G;VHT40;Nss1,(M0);Ntx4;2437	Pass	1.47	22.70	30.00	16.68	16.73	16.56	16.74
2.4G;VHT40;Nss1,(M0);Ntx4;2452	Pass	1.47	18.97	30.00	12.75	12.74	13.15	13.14
2.4G;VHT20,BF;Nss1,(M0);Ntx4;2412	Pass	7.48	20.33	28.52	14.03	14.62	14.37	14.19
2.4G;VHT20,BF;Nss1,(M0);Ntx4;2437	Pass	7.48	26.59	28.52	20.71	20.86	21.05	19.52
2.4G;VHT20,BF;Nss1,(M0);Ntx4;2462	Pass	7.48	20.34	28.52	14.05	14.76	14.24	14.19
2.4G;VHT40,BF;Nss1,(M0);Ntx4;2422	Pass	7.48	17.71	28.52	11.41	11.65	11.92	11.76
2.4G;VHT40,BF;Nss1,(M0);Ntx4;2437	Pass	7.48	20.93	28.52	15.07	15.12	14.91	14.52
2.4G;VHT40,BF;Nss1,(M0);Ntx4;2452	Pass	7.48	17.26	28.52	11.25	11.23	11.16	11.33

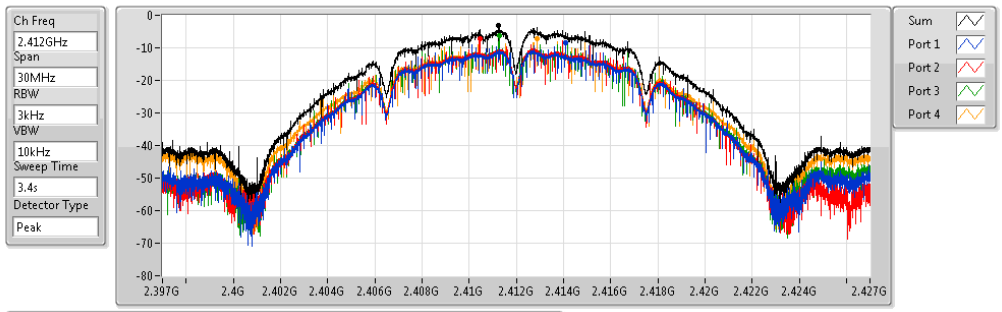
Summary

Mode	PD (dBm/RBW)	EIRP.PD (dBm/RBW)
2.4G;11b;Nss1;Ntx4	-1.40	6.08
2.4G;11g;Nss1;Ntx4	-1.35	6.13
2.4G;VHT20;Nss1,(M0);Ntx4	-1.20	6.28
2.4G;VHT40;Nss1,(M0);Ntx4	-8.72	-1.23
2.4G;VHT20,BF;Nss1,(M0);Ntx4	-2.46	5.03
2.4G;VHT40,BF;Nss1,(M0);Ntx4	-9.05	-1.57

Result

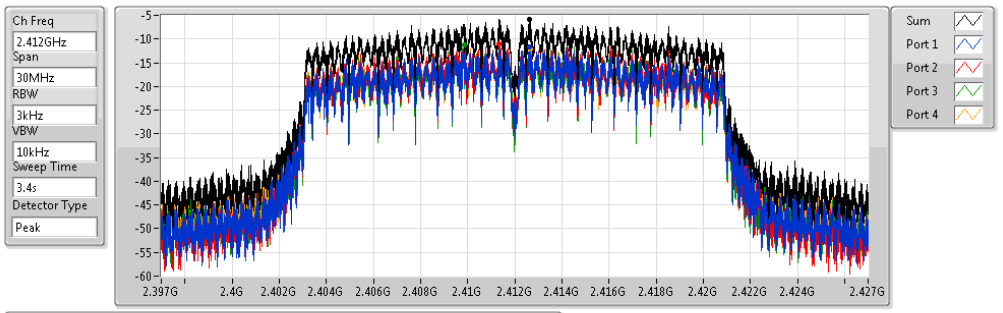
Mode	Result	DG (dBi)	PD (dBm/RBW)	PD.Limit (dBm/RBW)	P1 (dBm/RBW)	P2 (dBm/RBW)	P3 (dBm/RBW)	P4 (dBm/RBW)
2.4G;11b;Nss1;Ntx4;2412	Pass	7.48	-3.10	6.52	-8.52	-7.10	-6.11	-7.31
2.4G;11b;Nss1;Ntx4;2437	Pass	7.48	-1.40	6.52	-5.97	-4.56	-3.07	-4.89
2.4G;11b;Nss1;Ntx4;2462	Pass	7.48	-4.57	6.52	-8.87	-7.04	-8.96	-9.11
2.4G;11g;Nss1;Ntx4;2412	Pass	7.48	-4.64	6.52	-9.68	-10.18	-10.61	-10.58
2.4G;11g;Nss1;Ntx4;2437	Pass	7.48	-1.35	6.52	-6.90	-6.62	-6.90	-8.56
2.4G;11g;Nss1;Ntx4;2462	Pass	7.48	-5.91	6.52	-13.20	-11.03	-12.20	-10.06
2.4G;VHT20;Nss1,(M0);Ntx4;2412	Pass	7.48	-5.83	6.52	-11.62	-11.06	-11.27	-11.99
2.4G;VHT20;Nss1,(M0);Ntx4;2437	Pass	7.48	-1.20	6.52	-6.83	-4.94	-7.35	-8.46
2.4G;VHT20;Nss1,(M0);Ntx4;2462	Pass	7.48	-6.80	6.52	-12.75	-12.13	-12.71	-12.89
2.4G;VHT40;Nss1,(M0);Ntx4;2422	Pass	7.48	-12.00	6.52	-17.32	-16.75	-17.19	-16.81
2.4G;VHT40;Nss1,(M0);Ntx4;2437	Pass	7.48	-8.72	6.52	-13.86	-12.99	-12.98	-13.54
2.4G;VHT40;Nss1,(M0);Ntx4;2452	Pass	7.48	-11.28	6.52	-16.37	-15.71	-17.24	-15.86
2.4G;VHT20,BF;Nss1,(M0);Ntx4;2412	Pass	7.48	-5.87	6.52	-11.95	-11.07	-11.09	-10.30
2.4G;VHT20,BF;Nss1,(M0);Ntx4;2437	Pass	7.48	-2.46	6.52	-6.80	-7.48	-6.30	-7.64
2.4G;VHT20,BF;Nss1,(M0);Ntx4;2462	Pass	7.48	-6.31	6.52	-11.81	-11.34	-10.58	-11.47
2.4G;VHT40,BF;Nss1,(M0);Ntx4;2422	Pass	7.48	-14.88	6.52	-20.32	-20.19	-20.70	-19.78
2.4G;VHT40,BF;Nss1,(M0);Ntx4;2437	Pass	7.48	-9.05	6.52	-14.51	-14.28	-14.79	-14.32
2.4G;VHT40,BF;Nss1,(M0);Ntx4;2452	Pass	7.48	-15.43	6.52	-21.01	-19.72	-19.94	-19.89

PSD;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2412MHz;TN,VN



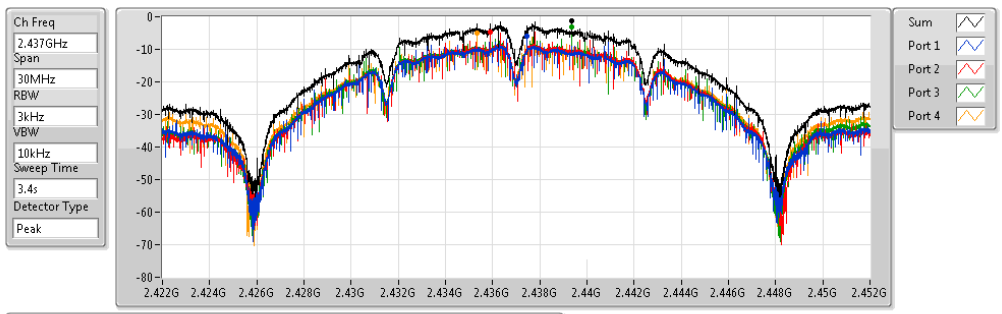
Sum.Max	PD	P1	P2	P3	P4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.10	-3.10	-8.52	-7.10	-6.11	-7.31

PSD;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2412MHz;TN,VN



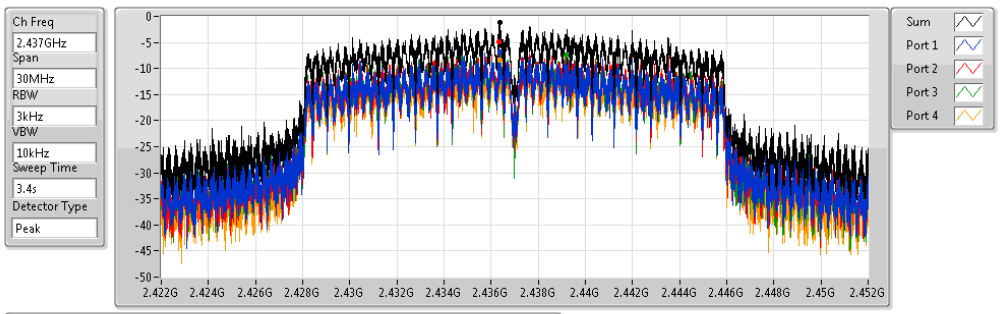
Sum.Max	PD	P1	P2	P3	P4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.83	-5.83	-11.62	-11.06	-11.27	-11.99

PSD;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2437MHz;TN,VN



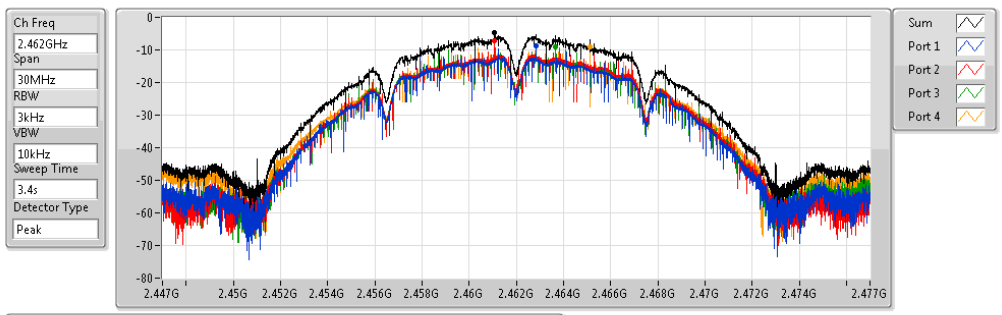
Sum.Max	PD	P1	P2	P3	P4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.40	-1.40	-5.97	-4.56	-3.07	-4.89

PSD;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TN,VN



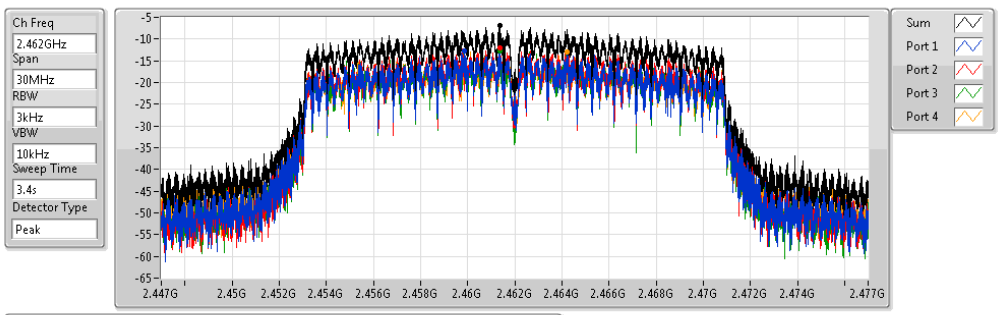
Sum.Max	PD	P1	P2	P3	P4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.20	-1.20	-6.83	-4.94	-7.35	-8.46

PSD;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2462MHz;TN,VN



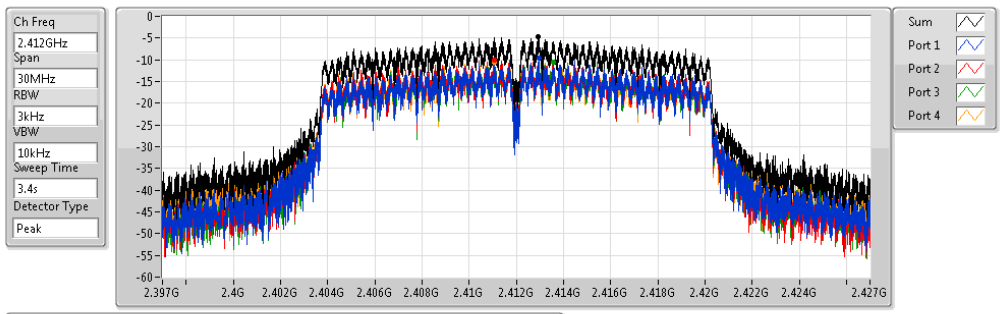
Sum.Max	PD	P1	P2	P3	P4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.57	-4.57	-8.87	-7.04	-8.96	-9.11

PSD;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2462MHz;TN,VN



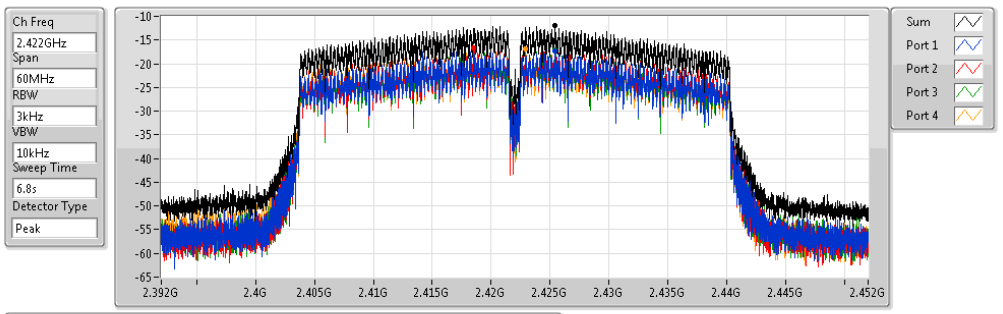
Sum.Max	PD	P1	P2	P3	P4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.80	-6.80	-12.75	-12.13	-12.71	-12.89

PSD;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2412MHz;TN,VN



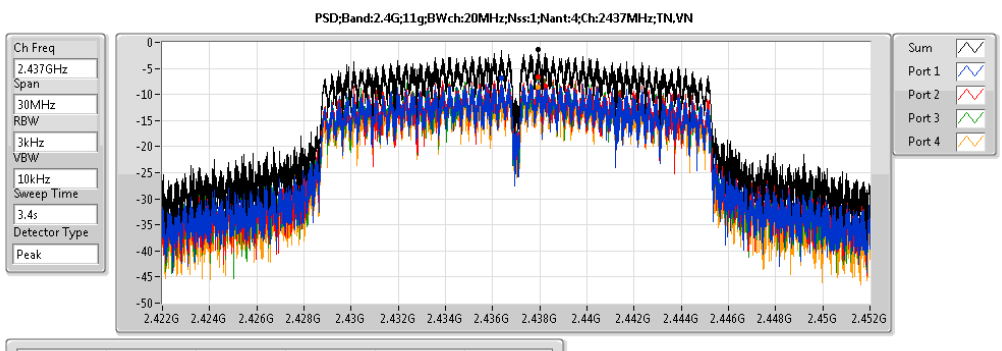
Sum.Max	PD	P1	P2	P3	P4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.64	-4.64	-9.68	-10.18	-10.61	-10.58

PSD;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2422MHz;TN,VN



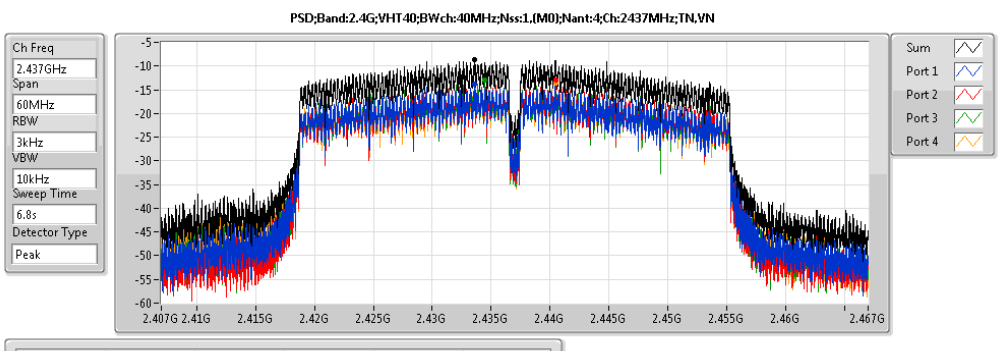
Sum.Max	PD	P1	P2	P3	P4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.00	-12.00	-17.32	-16.75	-17.19	-16.81

PSD;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2437MHz;TN,VN



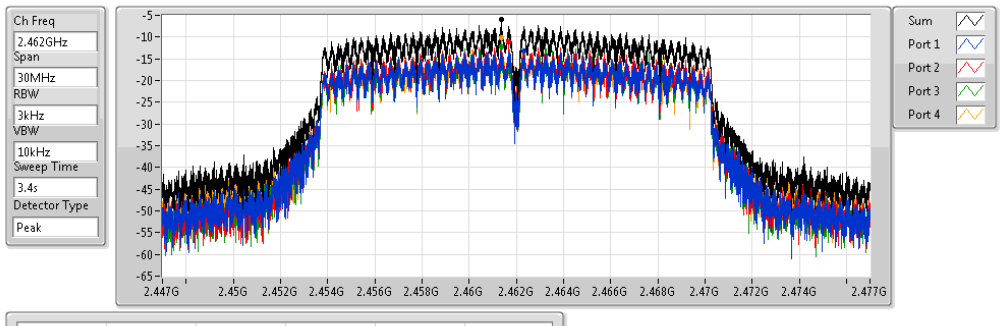
Sum.Max	PD	P1	P2	P3	P4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.35	-1.35	-6.90	-6.62	-6.90	-8.56

PSD;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TN,VN



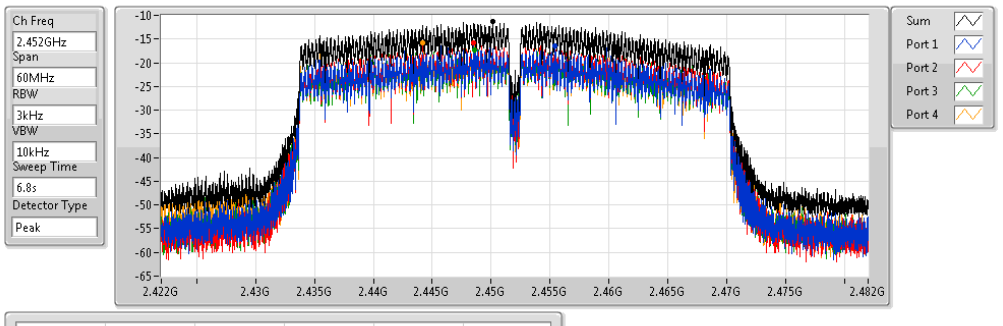
Sum.Max	PD	P1	P2	P3	P4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.72	-8.72	-13.86	-12.99	-12.98	-13.54

PSD;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2462MHz;TN,VN



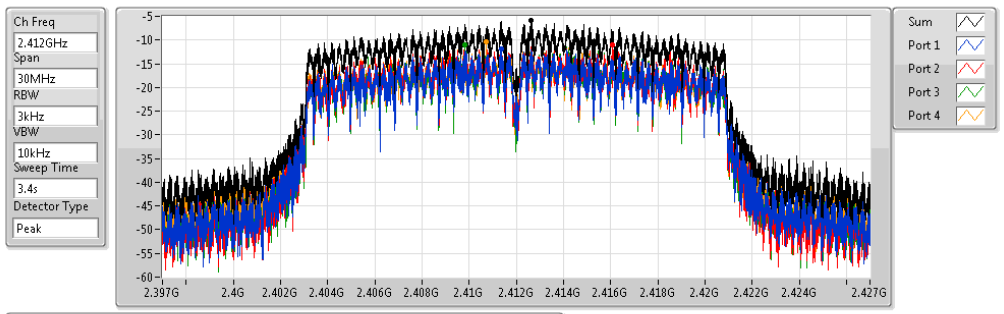
Sum.Max	PD	P1	P2	P3	P4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.91	-5.91	-13.20	-11.03	-12.20	-10.06

PSD;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2452MHz;TN,VN



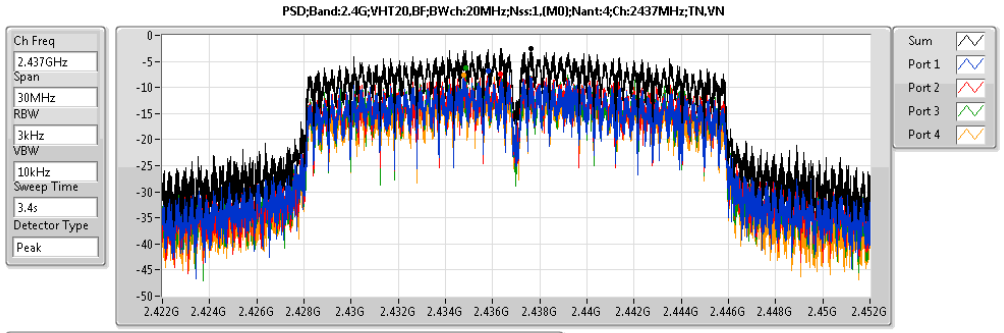
Sum.Max	PD	P1	P2	P3	P4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.28	-11.28	-16.37	-15.71	-17.24	-15.86

PSD;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2412MHz;TN,VN



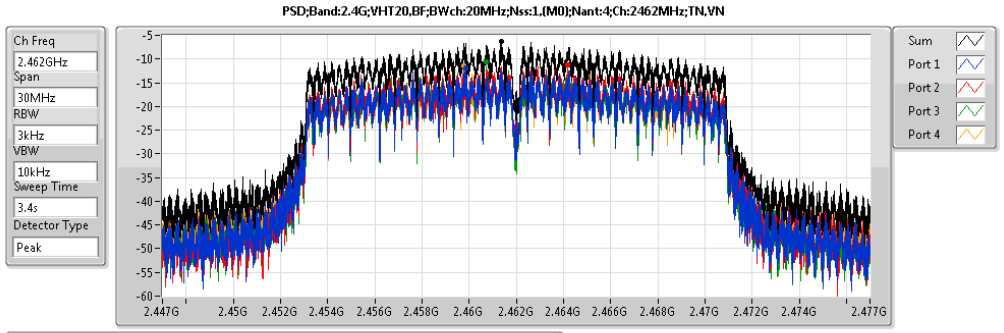
Sum.Max	PD	P1	P2	P3	P4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.87	-5.87	-11.95	-11.07	-11.09	-10.30

PSD;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TN,VN



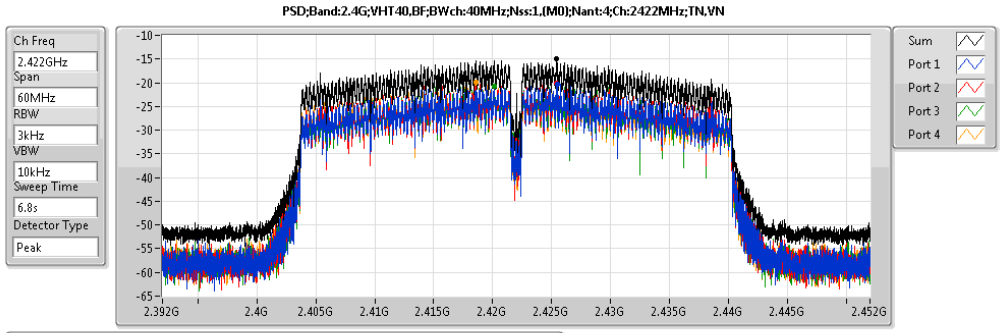
Sum.Max	PD	P1	P2	P3	P4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.46	-2.46	-6.80	-7.48	-6.30	-7.64

PSD;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2462MHz;TN,VN



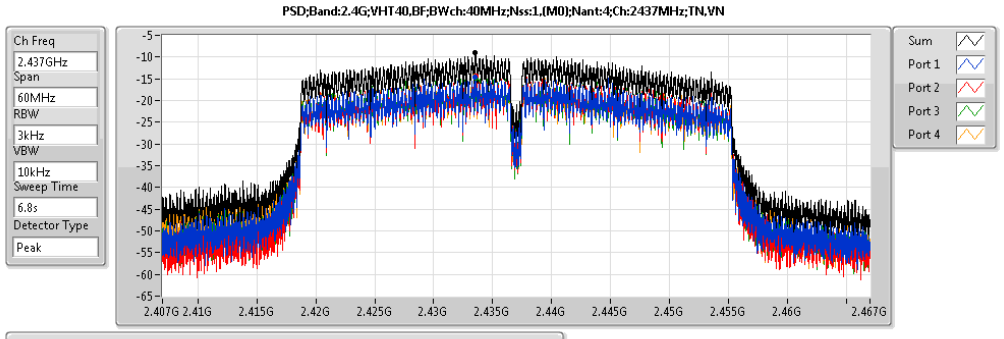
Sum.Max	PD	P1	P2	P3	P4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.31	-6.31	-11.81	-11.34	-10.58	-11.47

PSD;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2422MHz;TN,VN



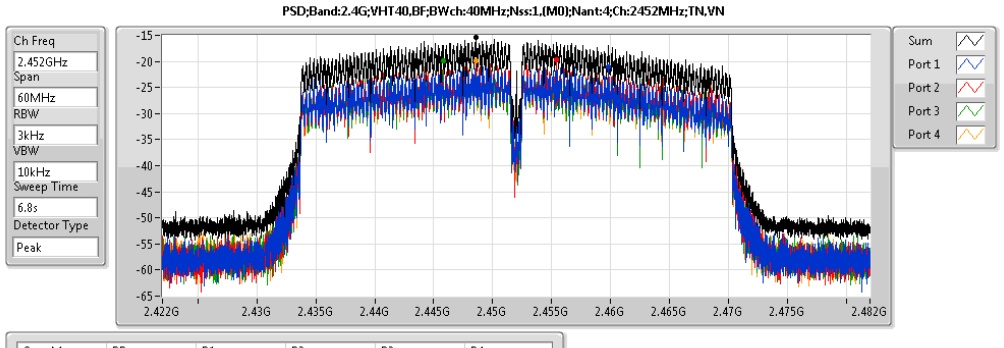
Sum.Max	PD	P1	P2	P3	P4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.88	-14.88	-20.32	-20.19	-20.70	-19.78

PSD;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TN,VN



Sum.Max	PD	P1	P2	P3	P4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.05	-9.05	-14.51	-14.28	-14.79	-14.32

PSD;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2452MHz;TN,VN



Sum.Max	PD	P1	P2	P3	P4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.43	-15.43	-21.01	-19.72	-19.94	-19.89

Summary

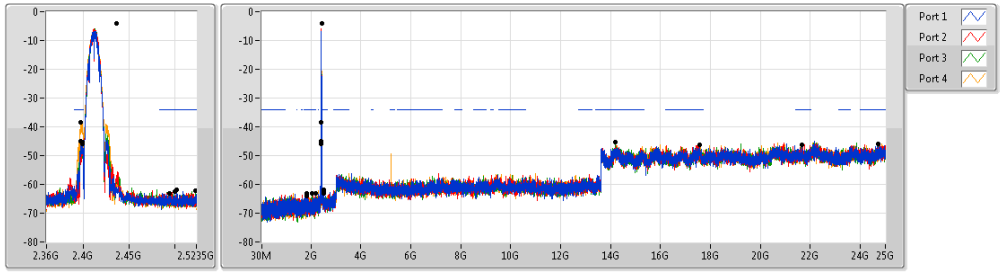
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4G;VHT40,BF;Nss1,(M0);Ntx4;2437	Pass	2.439579G	-14.04	-44.04	1.931845G	-63.24	2.3992G	-56.27	2.48414G	-61.07	14.294985G	-44.81	2

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;Ntx4;2412	Pass	2.436406G	-3.94	-33.94	1.81711G	-63.11	2.39704G	-45.13	2.50238G	-61.79	17.574326G	-46.18	1
2.4G;11b;Nss1;Ntx4;2412	Pass	2.436406G	-3.94	-33.94	2.198065G	-63.27	2.39904G	-45.22	2.50006G	-62.61	21.670668G	-46.29	2
2.4G;11b;Nss1;Ntx4;2412	Pass	2.436406G	-3.94	-33.94	2.02681G	-63.27	2.39904G	-45.97	2.52294G	-62.27	24.702186G	-45.96	3
2.4G;11b;Nss1;Ntx4;2412	Pass	2.436406G	-3.94	-33.94	1.81944G	-64.05	2.39712G	-38.51	2.49438G	-62.98	14.183184G	-45.18	4
2.4G;11b;Nss1;Ntx4;2437	Pass	2.436406G	-3.94	-33.94	2.142145G	-62.75	2.3996G	-57.17	2.51686G	-61.59	24.971904G	-43.96	1
2.4G;11b;Nss1;Ntx4;2437	Pass	2.436406G	-3.94	-33.94	1.846235G	-62.94	2.39904G	-52.46	2.4847G	-60.26	16.891603G	-45.92	2
2.4G;11b;Nss1;Ntx4;2437	Pass	2.436406G	-3.94	-33.94	2.088555G	-63.70	2.3996G	-49.21	2.48598G	-55.35	24.957857G	-45.67	3
2.4G;11b;Nss1;Ntx4;2437	Pass	2.436406G	-3.94	-33.94	767.445M	-63.09	2.39792G	-63.12	2.48446G	-56.16	14.306805G	-45.94	4
2.4G;11b;Nss1;Ntx4;2462	Pass	2.436406G	-3.94	-33.94	2.053605G	-64.00	2.39888G	-63.06	2.4839G	-61.90	24.10375G	-45.09	1
2.4G;11b;Nss1;Ntx4;2462	Pass	2.436406G	-3.94	-33.94	872.295M	-63.84	2.3924G	-63.44	2.4879G	-60.13	24.811759G	-44.17	2
2.4G;11b;Nss1;Ntx4;2462	Pass	2.436406G	-3.94	-33.94	1.80313G	-62.94	2.39248G	-63.02	2.48614G	-60.64	24.80895G	-45.27	3
2.4G;11b;Nss1;Ntx4;2462	Pass	2.436406G	-3.94	-33.94	2.07807G	-63.92	2.3932G	-63.71	2.48902G	-59.36	24.761187G	-45.92	4
2.4G;11g;Nss1;Ntx4;2412	Pass	2.435738G	-5.34	-35.34	2.09438G	-63.52	2.39984G	-38.99	2.49502G	-62.04	24.699377G	-45.62	1
2.4G;11g;Nss1;Ntx4;2412	Pass	2.435738G	-5.34	-35.34	2.08739G	-64.14	2.39984G	-37.97	2.49158G	-61.86	24.797712G	-45.63	2
2.4G;11g;Nss1;Ntx4;2412	Pass	2.435738G	-5.34	-35.34	1.89866G	-63.63	2.39952G	-39.16	2.48742G	-61.73	24.629138G	-45.86	3
2.4G;11g;Nss1;Ntx4;2412	Pass	2.435738G	-5.34	-35.34	2.139815G	-63.36	2.39992G	-36.32	2.50558G	-62.68	24.752759G	-45.22	4
2.4G;11g;Nss1;Ntx4;2437	Pass	2.435738G	-5.34	-35.34	1.86837G	-63.29	2.39992G	-57.62	2.48382G	-60.96	24.213323G	-45.69	1
2.4G;11g;Nss1;Ntx4;2437	Pass	2.435738G	-5.34	-35.34	650.945M	-64.26	2.39488G	-59.56	2.49046G	-59.95	21.687526G	-45.46	2
2.4G;11g;Nss1;Ntx4;2437	Pass	2.435738G	-5.34	-35.34	2.19224G	-63.88	2.39312G	-61.84	2.50382G	-62.35	17.42261G	-45.66	3
2.4G;11g;Nss1;Ntx4;2437	Pass	2.435738G	-5.34	-35.34	1.818275G	-63.05	2.39992G	-62.07	2.49542G	-61.82	21.59762G	-45.68	4
2.4G;11g;Nss1;Ntx4;2462	Pass	2.435738G	-5.34	-35.34	2.037295G	-63.64	2.396G	-61.61	2.48366G	-59.80	24.80895G	-45.80	1
2.4G;11g;Nss1;Ntx4;2462	Pass	2.435738G	-5.34	-35.34	1.74721G	-63.43	2.39408G	-63.30	2.4847G	-57.35	17.501278G	-45.55	2
2.4G;11g;Nss1;Ntx4;2462	Pass	2.435738G	-5.34	-35.34	1.771675G	-63.07	2.3956G	-62.69	2.48422G	-60.16	16.885984G	-44.80	3
2.4G;11g;Nss1;Ntx4;2462	Pass	2.435738G	-5.34	-35.34	1.755365G	-63.15	2.39744G	-63.02	2.48382G	-58.95	14.239376G	-45.86	4
2.4G;VHT20;Nss1,(M0);Ntx4;2412	Pass	2.437575G	-7.85	-37.85	1.86837G	-64.02	2.39992G	-43.89	2.48846G	-62.90	14.374235G	-45.57	1
2.4G;VHT20;Nss1,(M0);Ntx4;2412	Pass	2.437575G	-7.85	-37.85	1.92196G	-63.48	2.39896G	-44.22	2.48358G	-61.92	14.259043G	-44.85	2
2.4G;VHT20;Nss1,(M0);Ntx4;2412	Pass	2.437575G	-7.85	-37.85	1.958075G	-64.33	2.39952G	-43.31	2.51206G	-62.19	14.267471G	-46.05	3
2.4G;VHT20;Nss1,(M0);Ntx4;2412	Pass	2.437575G	-7.85	-37.85	932.875M	-63.58	2.39992G	-40.44	2.50438G	-63.11	16.793268G	-46.19	4
2.4G;VHT20;Nss1,(M0);Ntx4;2437	Pass	2.437575G	-7.85	-37.85	1.760025G	-63.52	2.39832G	-59.47	2.5135G	-61.31	23.595219G	-46.42	1
2.4G;VHT20;Nss1,(M0);Ntx4;2437	Pass	2.437575G	-7.85	-37.85	478.525M	-63.77	2.39984G	-57.09	2.48382G	-58.27	14.298376G	-45.48	2
2.4G;VHT20;Nss1,(M0);Ntx4;2437	Pass	2.437575G	-7.85	-37.85	874.625M	-64.00	2.39928G	-58.58	2.49942G	-61.58	24.820188G	-46.20	3
2.4G;VHT20;Nss1,(M0);Ntx4;2437	Pass	2.437575G	-7.85	-37.85	1.876525G	-63.36	2.39856G	-61.36	2.50518G	-62.05	17.526564G	-45.35	4
2.4G;VHT20;Nss1,(M0);Ntx4;2462	Pass	2.437575G	-7.85	-37.85	369.015M	-63.83	2.39568G	-62.91	2.4839G	-58.45	24.87357G	-45.09	1
2.4G;VHT20;Nss1,(M0);Ntx4;2462	Pass	2.437575G	-7.85	-37.85	2.055935G	-62.67	2.39688G	-61.01	2.48382G	-53.48	14.197232G	-44.90	2
2.4G;VHT20;Nss1,(M0);Ntx4;2462	Pass	2.437575G	-7.85	-37.85	1.843905G	-63.40	2.39824G	-63.10	2.48358G	-57.64	24.752759G	-45.71	3
2.4G;VHT20;Nss1,(M0);Ntx4;2462	Pass	2.437575G	-7.85	-37.85	1.897495G	-63.43	2.39496G	-63.29	2.48446G	-56.70	24.994381G	-45.16	4
2.4G;VHT40;Nss1,(M0);Ntx4;2422	Pass	2.439579G	-14.04	-44.04	1.80017G	-63.19	2.39952G	-53.63	2.5427G	-62.63	21.715857G	-45.59	1
2.4G;VHT40;Nss1,(M0);Ntx4;2422	Pass	2.439579G	-14.04	-44.04	1.79559G	-63.74	2.39888G	-55.54	2.52254G	-62.10	14.255721G	-45.08	2
2.4G;VHT40;Nss1,(M0);Ntx4;2422	Pass	2.439579G	-14.04	-44.04	1.803605G	-63.73	2.3992G	-56.49	2.54702G	-62.49	14.314617G	-45.83	3
2.4G;VHT40;Nss1,(M0);Ntx4;2422	Pass	2.439579G	-14.04	-44.04	1.80017G	-62.82	2.39712G	-52.08	2.48606G	-62.29	24.119367G	-46.57	4
2.4G;VHT40;Nss1,(M0);Ntx4;2437	Pass	2.432064G	-13.06	-43.06	1.78872G	-63.72	2.39792G	-52.43	2.48446G	-60.41	24.652234G	-45.52	1
2.4G;VHT40;Nss1,(M0);Ntx4;2437	Pass	2.432064G	-13.06	-43.06	1.796735G	-64.33	2.3992G	-54.16	2.4891G	-60.19	21.572825G	-45.29	2
2.4G;VHT40;Nss1,(M0);Ntx4;2437	Pass	2.432064G	-13.06	-43.06	657.46M	-63.42	2.39904G	-53.02	2.48718G	-61.03	24.943909G	-45.83	3
2.4G;VHT40;Nss1,(M0);Ntx4;2437	Pass	2.432064G	-13.06	-43.06	1.863145G	-64.22	2.39792G	-48.62	2.48718G	-60.98	14.303399G	-45.93	4
2.4G;VHT40;Nss1,(M0);Ntx4;2452	Pass	2.439579G	-14.04	-44.04	2.11848G	-64.31	2.39424G	-63.30	2.4851G	-56.95	24.814899G	-45.94	1
2.4G;VHT40;Nss1,(M0);Ntx4;2452	Pass	2.439579G	-14.04	-44.04	2.071535G	-64.14	2.39824G	-63.24	2.48414G	-57.75	24.655039G	-45.23	2
2.4G;VHT40;Nss1,(M0);Ntx4;2452	Pass	2.439579G	-14.04	-44.04	2.02917G	-61.68	2.39824G	-62.59	2.4851G	-58.64	24.130586G	-45.36	3
2.4G;VHT40;Nss1,(M0);Ntx4;2452	Pass	2.439579G	-14.04	-44.04	2.142525G	-63.71	2.39712G	-63.38	2.48446G	-60.10	24.946713G	-46.25	4
2.4G;VHT20,BF;Nss1,(M0);Ntx4;2412	Pass	2.442084G	-6.74	-36.74	2.163115G	-63.83	2.39888G	-42.39	2.5159G	-62.76	16.798887G	-45.73	1
2.4G;VHT20,BF;Nss1,(M0);Ntx4;2412	Pass	2.442084G	-6.74	-36.74	2.12933G	-62.30	2.39928G	-42.95	2.49814G	-61.33	21.940386G	-45.96	2
2.4G;VHT20,BF;Nss1,(M0);Ntx4;2412	Pass	2.442084G	-6.74	-36.74	1.80313G	-63.94	2.3996G	-41.72	2.51886G	-61.72	16.857888G	-46.35	3
2.4G;VHT20,BF;Nss1,(M0);Ntx4;2412	Pass	2.442084G	-6.74	-36.74	1.739055G	-63.62	2.39992G	-38.52	2.50294G	-62.94	24.87357G	-45.89	4
2.4G;VHT20,BF;Nss1,(M0);Ntx4;2437	Pass	2.442084G	-6.74	-36.74	1.88701G	-62.84	2.39928G	-60.16	2.4939G	-62.02	17.380467G	-45.63	1
2.4G;VHT20,BF;Nss1,(M0);Ntx4;2437	Pass	2.442084G	-6.74	-36.74	741.815M	-63.59	2.39992G	-58.55	2.48478G	-58.23	14.219709G	-45.55	2
2.4G;VHT20,BF;Nss1,(M0);Ntx4;2437	Pass	2.442084G	-6.74	-36.74	930.545M	-63.77	2.39984G	-57.23	2.48382G	-61.71	24.865141G	-45.76	3
2.4G;VHT20,BF;Nss1,(M0);Ntx4;2437	Pass	2.442084G	-6.74	-36.74	733.66M	-64.40	2.39736G	-61.17	2.50222G	-61.98	17.470373G	-45.25	4
2.4G;VHT20,BF;Nss1,(M0);Ntx4;2462	Pass	2.442084G	-6.74	-36.74	711.525M	-63.51	2.39752G	-62.82	2.48382G	-55.47	14.219709G	-46.04	1
2.4G;VHT20,BF;Nss1,(M0);Ntx4;2462	Pass	2.442084G	-6.74	-36.74	2.17593G	-63.45	2.39552G	-62.06	2.48478G	-52.61	24.247037G	-45.12	2
2.4G;VHT20,BF;Nss1,(M0);Ntx4;2462	Pass	2.442084G	-6.74	-36.74	2.065255G	-63.79	2.39624G	-62.56	2.4839G	-55.87	24.780854G	-45.70	3
2.4G;VHT20,BF;Nss1,(M0);Ntx4;2462	Pass	2.442084G	-6.74	-36.74	782.59M	-63.81	2.39304G	-62.98	2.48366G	-55.02	14.202851G	-44.71	4

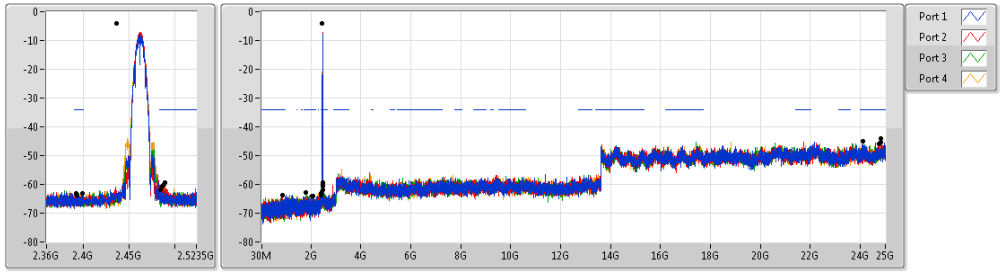
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4G;VHT40,BF;Nss1,(M0);Ntx4;2422	Pass	2.439579G	-14.04	-44.04	1.88032G	-64.06	2.39936G	-60.98	2.49454G	-61.90	21.833649G	-45.30	1
2.4G;VHT40,BF;Nss1,(M0);Ntx4;2422	Pass	2.439579G	-14.04	-44.04	160.53M	-64.32	2.39936G	-60.44	2.5235G	-62.24	24.082908G	-45.93	2
2.4G;VHT40,BF;Nss1,(M0);Ntx4;2422	Pass	2.439579G	-14.04	-44.04	2.307405G	-64.20	2.39824G	-60.76	2.53982G	-62.18	24.671866G	-45.66	3
2.4G;VHT40,BF;Nss1,(M0);Ntx4;2422	Pass	2.439579G	-14.04	-44.04	1.778415G	-63.84	2.39936G	-59.80	2.5579G	-62.06	14.269744G	-46.39	4
2.4G;VHT40,BF;Nss1,(M0);Ntx4;2437	Pass	2.439579G	-14.04	-44.04	2.12535G	-63.92	2.3992G	-52.74	2.48462G	-62.36	24.820508G	-45.44	1
2.4G;VHT40,BF;Nss1,(M0);Ntx4;2437	Pass	2.439579G	-14.04	-44.04	1.931845G	-63.24	2.3992G	-56.27	2.48414G	-61.07	14.294985G	-44.81	2
2.4G;VHT40,BF;Nss1,(M0);Ntx4;2437	Pass	2.439579G	-14.04	-44.04	787.99M	-63.87	2.3992G	-52.04	2.4859G	-61.37	24.733567G	-46.04	3
2.4G;VHT40,BF;Nss1,(M0);Ntx4;2437	Pass	2.439579G	-14.04	-44.04	1.73605G	-63.51	2.3968G	-51.01	2.48382G	-61.78	21.533561G	-45.76	4
2.4G;VHT40,BF;Nss1,(M0);Ntx4;2452	Pass	2.439579G	-14.04	-44.04	1.853985G	-63.05	2.3992G	-63.31	2.48734G	-61.97	24.652234G	-46.62	1
2.4G;VHT40,BF;Nss1,(M0);Ntx4;2452	Pass	2.439579G	-14.04	-44.04	1.989095G	-62.91	2.39024G	-63.80	2.50254G	-62.49	24.138999G	-45.76	2
2.4G;VHT40,BF;Nss1,(M0);Ntx4;2452	Pass	2.439579G	-14.04	-44.04	2.302825G	-63.69	2.3904G	-62.93	2.5131G	-61.84	24.929886G	-45.88	3
2.4G;VHT40,BF;Nss1,(M0);Ntx4;2452	Pass	2.439579G	-14.04	-44.04	198.315M	-64.18	2.39024G	-63.57	2.52878G	-62.26	24.697107G	-44.81	4

CSE in non-restricted band;PK;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2412MHz;TN,VN



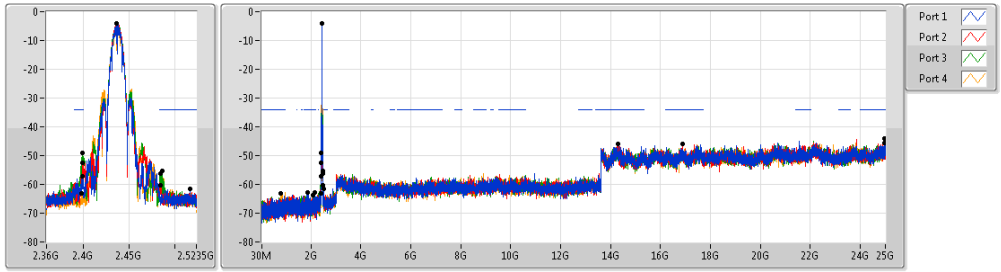
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436406G	-3.94	-33.94	1.81711G	-63.11	2.39704G	-45.13	2.50238G	-61.79	17.574326G	-46.18	1
2.436406G	-3.94	-33.94	2.198065G	-63.27	2.39904G	-45.22	2.50006G	-62.61	21.670668G	-46.29	2
2.436406G	-3.94	-33.94	2.02681G	-63.27	2.39904G	-45.97	2.52294G	-62.27	24.702186G	-45.96	3
2.436406G	-3.94	-33.94	1.81944G	-64.05	2.39712G	-38.51	2.49438G	-62.98	14.183184G	-45.18	4

CSE in non-restricted band;PK;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2462MHz;TN,VN



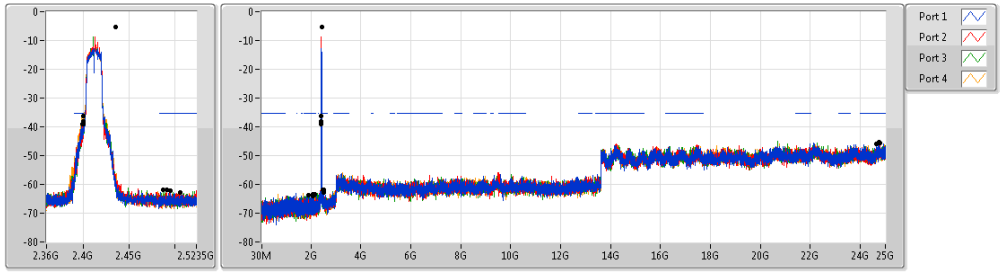
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436406G	-3.94	-33.94	2.053605G	-64.00	2.39888G	-63.06	2.4839G	-61.90	24.10375G	-45.09	1
2.436406G	-3.94	-33.94	872.295M	-63.84	2.3924G	-63.44	2.4879G	-60.13	24.811759G	-44.17	2
2.436406G	-3.94	-33.94	1.80313G	-62.94	2.39248G	-63.02	2.48614G	-60.64	24.80895G	-45.27	3
2.436406G	-3.94	-33.94	2.07807G	-63.92	2.3932G	-63.71	2.48902G	-59.36	24.761187G	-45.92	4

CSE in non-restricted band;PK;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2437MHz;TN,VN



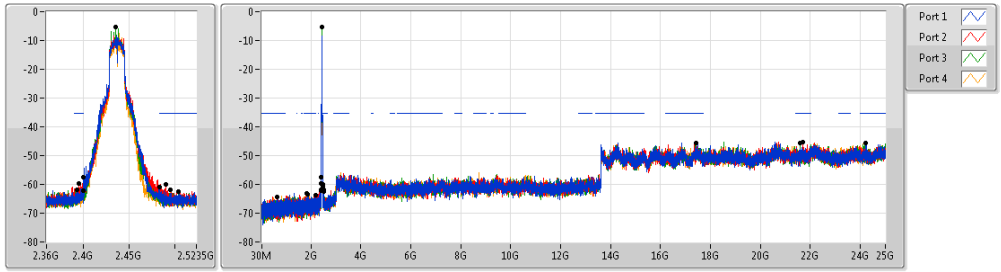
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436406G	-3.94	-33.94	2.142145G	-62.75	2.3996G	-57.17	2.51686G	-61.59	24.971904G	-43.96	1
2.436406G	-3.94	-33.94	1.846235G	-62.94	2.39904G	-52.46	2.4847G	-60.26	16.891603G	-45.92	2
2.436406G	-3.94	-33.94	2.088555G	-63.70	2.3996G	-49.21	2.48598G	-55.35	24.957857G	-45.67	3
2.436406G	-3.94	-33.94	767.445M	-63.09	2.39792G	-63.12	2.48446G	-56.16	14.306805G	-45.94	4

CSE in non-restricted band;PK;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2412MHz;TN,VN



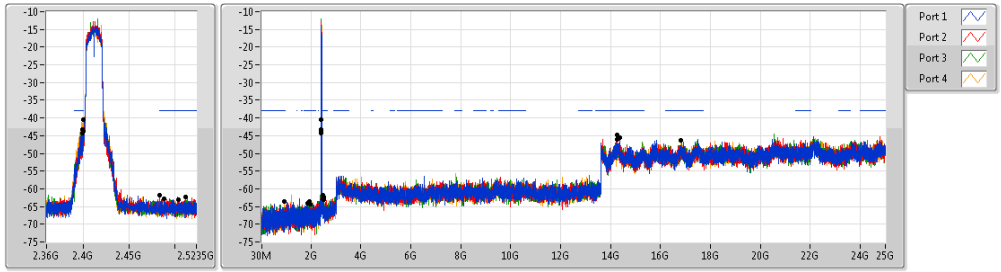
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	-5.34	-35.34	2.09438G	-63.52	2.39984G	-38.99	2.49502G	-62.04	24.699377G	-45.62	1
2.435738G	-5.34	-35.34	2.08739G	-64.14	2.39984G	-37.97	2.49158G	-61.86	24.797712G	-45.63	2
2.435738G	-5.34	-35.34	1.89866G	-63.63	2.39952G	-39.16	2.48742G	-61.73	24.629138G	-45.86	3
2.435738G	-5.34	-35.34	2.139815G	-63.36	2.39992G	-36.32	2.50558G	-62.68	24.752759G	-45.22	4

CSE in non-restricted band;PK;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2437MHz;TN,VN



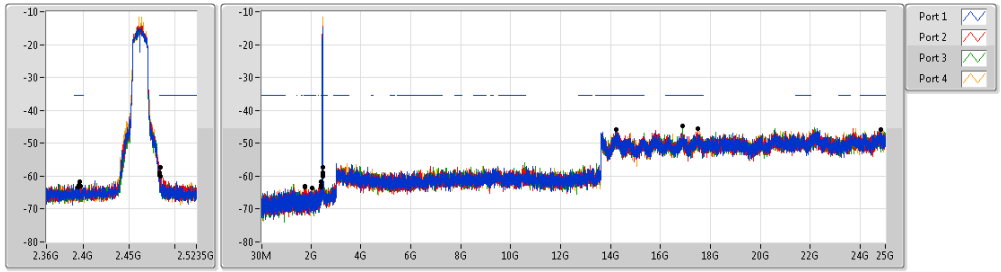
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	-5.34	-35.34	1.86837G	-63.29	2.39992G	-57.62	2.48382G	-60.96	24.213323G	-45.69	1
2.435738G	-5.34	-35.34	650.945M	-64.26	2.39488G	-59.56	2.49046G	-59.95	21.687526G	-45.46	2
2.435738G	-5.34	-35.34	2.19224G	-63.88	2.39312G	-61.84	2.50382G	-62.35	17.42261G	-45.66	3
2.435738G	-5.34	-35.34	1.818275G	-63.05	2.39992G	-62.07	2.49542G	-61.82	21.59762G	-45.68	4

CSE in non-restricted band;PK;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2412MHz;TN,VN



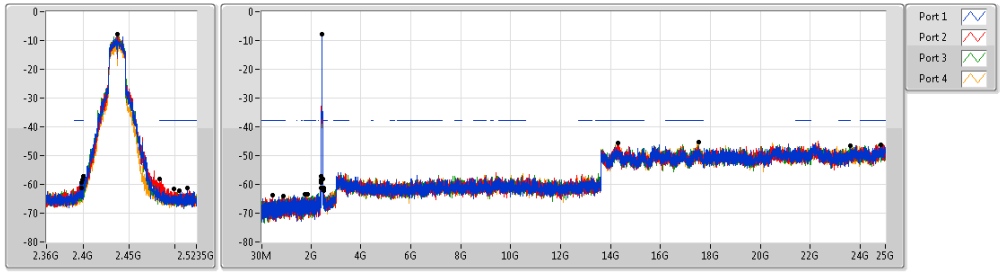
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437575G	-7.85	-37.85	1.86837G	-64.02	2.39992G	-43.89	2.48846G	-62.90	14.374235G	-45.57	1
2.437575G	-7.85	-37.85	1.92196G	-63.48	2.39896G	-44.22	2.48358G	-61.92	14.259043G	-44.85	2
2.437575G	-7.85	-37.85	1.958075G	-64.33	2.39952G	-43.31	2.51206G	-62.19	14.267471G	-46.05	3
2.437575G	-7.85	-37.85	932.875M	-63.58	2.39992G	-40.44	2.50438G	-63.11	16.793268G	-46.19	4

CSE in non-restricted band;PK;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2462MHz;TN,VN



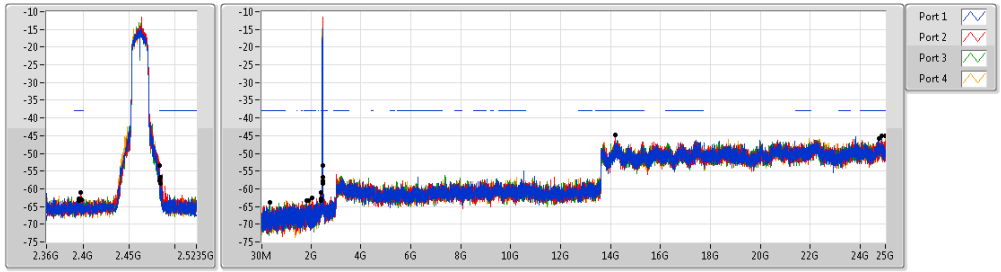
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	-5.34	-35.34	2.037295G	-63.64	2.396G	-61.61	2.48366G	-59.80	24.80895G	-45.80	1
2.435738G	-5.34	-35.34	1.74721G	-63.43	2.39408G	-63.30	2.4847G	-57.35	17.501278G	-45.55	2
2.435738G	-5.34	-35.34	1.771675G	-63.07	2.3956G	-62.69	2.48422G	-60.16	16.885984G	-44.80	3
2.435738G	-5.34	-35.34	1.755365G	-63.15	2.39744G	-63.02	2.48382G	-58.95	14.239376G	-45.86	4

CSE in non-restricted band;PK;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TN,VN



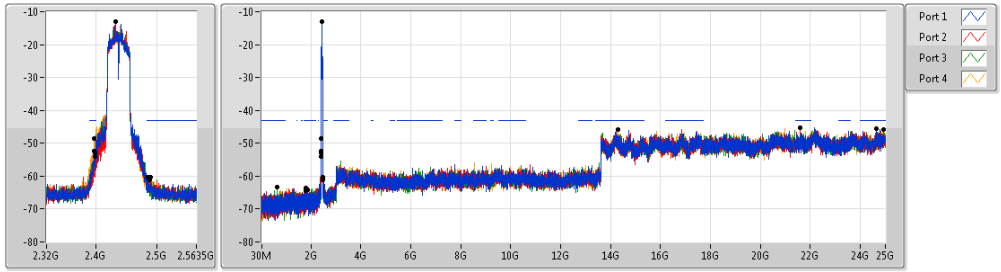
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437575G	-7.85	-37.85	1.760025G	-63.52	2.39832G	-59.47	2.5135G	-61.31	23.595219G	-46.42	1
2.437575G	-7.85	-37.85	478.525M	-63.77	2.39984G	-57.09	2.48382G	-58.27	14.298376G	-45.48	2
2.437575G	-7.85	-37.85	874.625M	-64.00	2.39928G	-58.58	2.49942G	-61.58	24.820188G	-46.20	3
2.437575G	-7.85	-37.85	1.876525G	-63.36	2.39856G	-61.36	2.50518G	-62.05	17.526564G	-45.35	4

CSE in non-restricted band;PK;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2462MHz;TN,VN



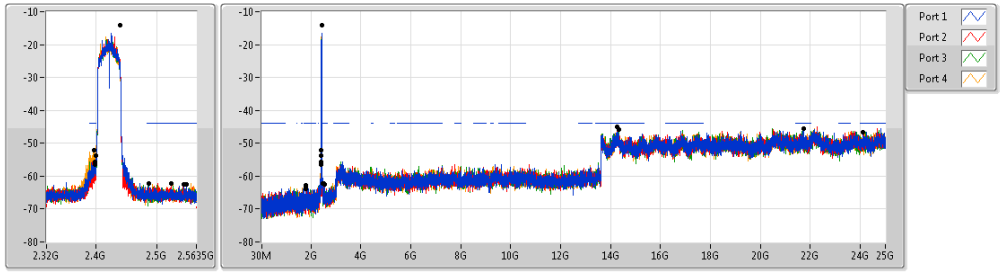
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437575G	-7.85	-37.85	369.015M	-63.83	2.39568G	-62.91	2.4839G	-58.45	24.87357G	-45.09	1
2.437575G	-7.85	-37.85	2.055935G	-62.67	2.39688G	-61.01	2.48382G	-53.48	14.197232G	-44.90	2
2.437575G	-7.85	-37.85	1.843905G	-63.40	2.39824G	-63.10	2.48358G	-57.64	24.752759G	-45.71	3
2.437575G	-7.85	-37.85	1.897495G	-63.43	2.39496G	-63.29	2.48446G	-56.70	24.994381G	-45.16	4

CSE in non-restricted band;PK;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TN,VN



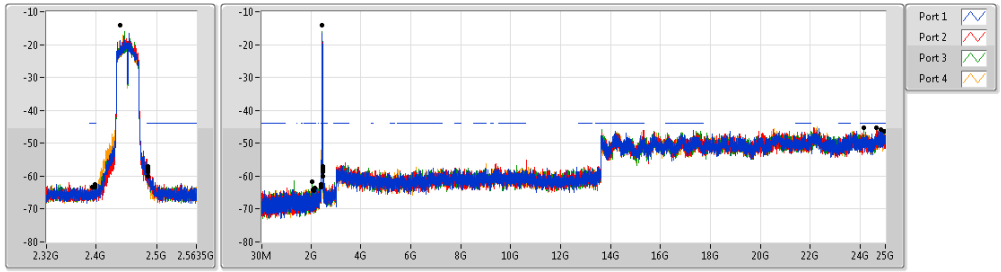
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.432064G	-13.06	-43.06	1.78872G	-63.72	2.39792G	-52.43	2.48446G	-60.41	24.652234G	-45.52	1
2.432064G	-13.06	-43.06	1.796735G	-64.33	2.3992G	-54.16	2.4891G	-60.19	21.572825G	-45.29	2
2.432064G	-13.06	-43.06	657.46M	-63.42	2.39904G	-53.02	2.48718G	-61.03	24.943909G	-45.83	3
2.432064G	-13.06	-43.06	1.863145G	-64.22	2.39792G	-48.62	2.48718G	-60.98	14.303399G	-45.93	4

CSE in non-restricted band;PK;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2422MHz;TN,VN



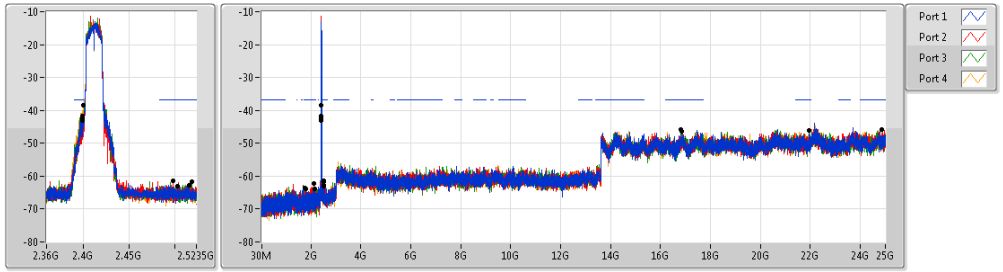
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.439579G	-14.04	-44.04	1.80017G	-63.19	2.39952G	-53.63	2.5427G	-62.63	21.715857G	-45.59	1
2.439579G	-14.04	-44.04	1.79559G	-63.74	2.39888G	-55.54	2.52254G	-62.10	14.255721G	-45.08	2
2.439579G	-14.04	-44.04	1.803605G	-63.73	2.3992G	-56.49	2.54702G	-62.49	14.314617G	-45.83	3
2.439579G	-14.04	-44.04	1.80017G	-62.82	2.39712G	-52.08	2.48606G	-62.29	24.119367G	-46.57	4

CSE in non-restricted band;PK;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2452MHz;TN,VN



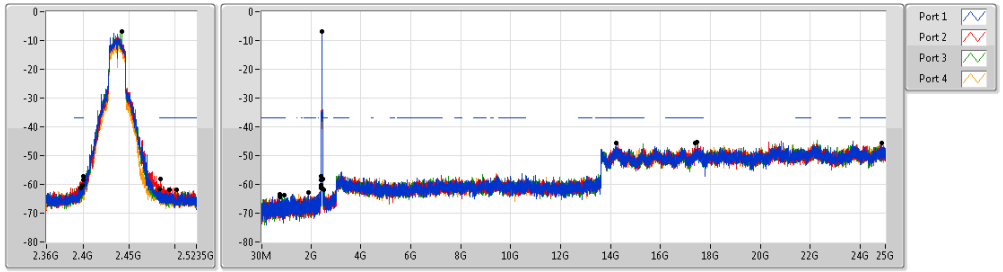
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.439579G	-14.04	-44.04	2.11848G	-64.31	2.39424G	-63.30	2.4851G	-56.95	24.814899G	-45.94	1
2.439579G	-14.04	-44.04	2.071535G	-64.14	2.39824G	-63.24	2.48414G	-57.75	24.655039G	-45.23	2
2.439579G	-14.04	-44.04	2.02917G	-61.68	2.39824G	-62.59	2.4851G	-58.64	24.130586G	-45.36	3
2.439579G	-14.04	-44.04	2.142525G	-63.71	2.39712G	-63.38	2.48446G	-60.10	24.946713G	-46.25	4

CSE in non-restricted band;PK;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2412MHz;TN,VN



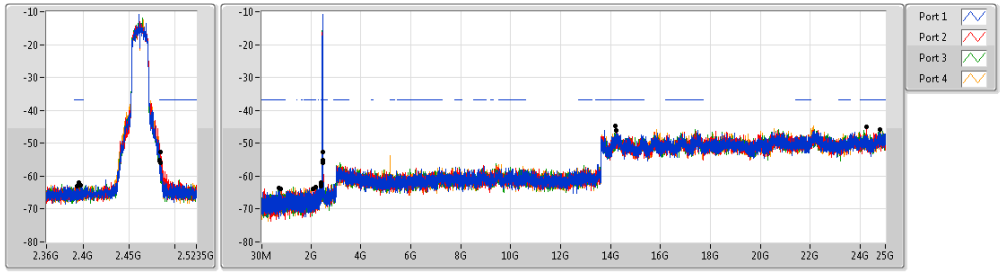
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442084G	-6.74	-36.74	2.163115G	-63.83	2.39888G	-42.39	2.5159G	-62.76	16.798887G	-45.73	1
2.442084G	-6.74	-36.74	2.12933G	-62.30	2.39928G	-42.95	2.49814G	-61.33	21.940386G	-45.96	2
2.442084G	-6.74	-36.74	1.80313G	-63.94	2.3996G	-41.72	2.51886G	-61.72	16.857888G	-46.35	3
2.442084G	-6.74	-36.74	1.739055G	-63.62	2.39992G	-38.52	2.50294G	-62.94	24.87357G	-45.89	4

CSE in non-restricted band;PK;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TN,VN



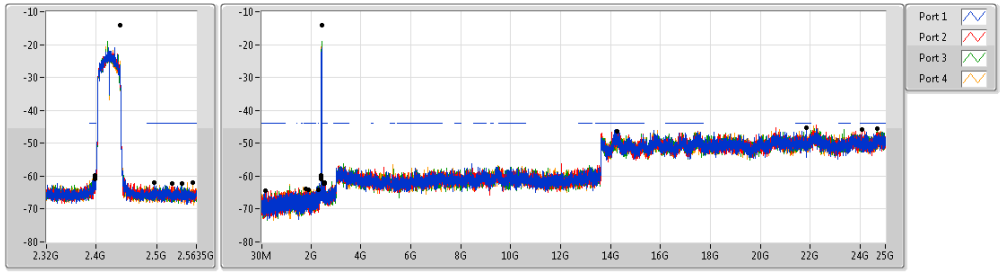
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442084G	-6.74	-36.74	1.88701G	-62.84	2.39928G	-60.16	2.4939G	-62.02	17.380467G	-45.63	1
2.442084G	-6.74	-36.74	741.815M	-63.59	2.39992G	-58.55	2.48478G	-58.23	14.219709G	-45.55	2
2.442084G	-6.74	-36.74	930.545M	-63.77	2.39984G	-57.23	2.48382G	-61.71	24.865141G	-45.76	3
2.442084G	-6.74	-36.74	733.66M	-64.40	2.39736G	-61.17	2.50222G	-61.98	17.470373G	-45.25	4

CSE in non-restricted band;PK;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2462MHz;TN,VN



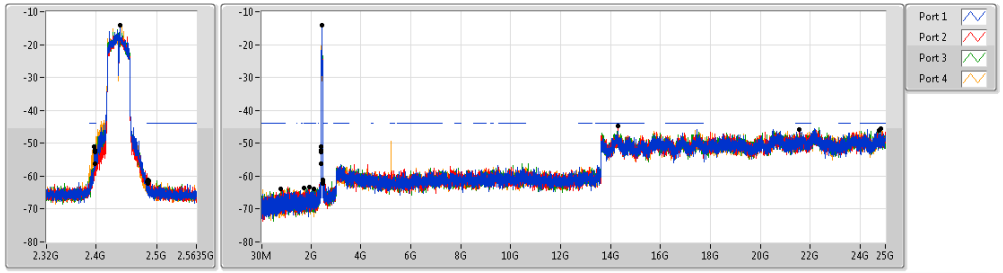
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442084G	-6.74	-36.74	711.525M	-63.51	2.39752G	-62.82	2.48382G	-55.47	14.219709G	-46.04	1
2.442084G	-6.74	-36.74	2.17593G	-63.45	2.39552G	-62.06	2.48478G	-52.61	24.247037G	-45.12	2
2.442084G	-6.74	-36.74	2.065255G	-63.79	2.39624G	-62.56	2.4839G	-55.87	24.780854G	-45.70	3
2.442084G	-6.74	-36.74	782.59M	-63.81	2.39304G	-62.98	2.48366G	-55.02	14.202851G	-44.71	4

CSE in non-restricted band;PK;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2422MHz;TN,VN



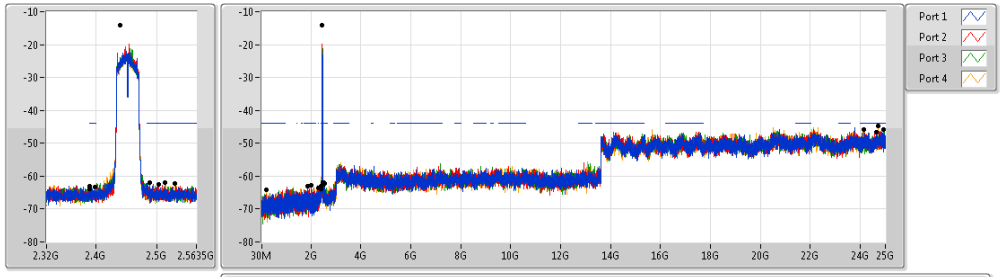
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.439579G	-14.04	-44.04	1.88032G	-64.06	2.39936G	-60.98	2.49454G	-61.90	21.833649G	-45.30	1
2.439579G	-14.04	-44.04	160.53M	-64.32	2.39936G	-60.44	2.5235G	-62.24	24.082908G	-45.93	2
2.439579G	-14.04	-44.04	2.307405G	-64.20	2.39824G	-60.76	2.53982G	-62.18	24.671866G	-45.66	3
2.439579G	-14.04	-44.04	1.778415G	-63.84	2.39936G	-59.80	2.5579G	-62.06	14.269744G	-46.39	4

CSE in non-restricted band;PK;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TN,VN



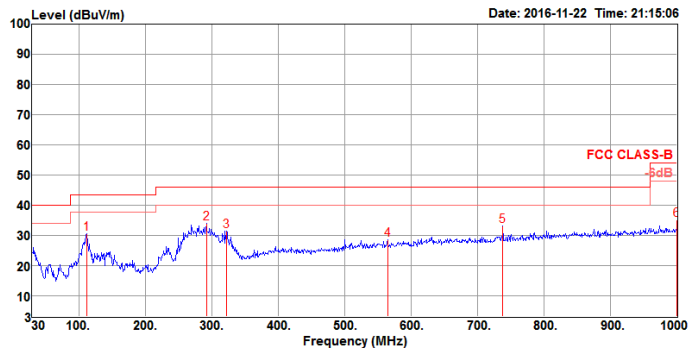
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.439579G	-14.04	-44.04	2.12535G	-63.92	2.3992G	-52.74	2.48462G	-62.36	24.820508G	-45.44	1
2.439579G	-14.04	-44.04	1.931845G	-63.24	2.3992G	-56.27	2.48414G	-61.07	14.294985G	-44.81	2
2.439579G	-14.04	-44.04	787.99M	-63.87	2.3992G	-52.04	2.4859G	-61.37	24.733567G	-46.04	3
2.439579G	-14.04	-44.04	1.73605G	-63.51	2.3968G	-51.01	2.48382G	-61.78	21.533561G	-45.76	4

CSE in non-restricted band;PK;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;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
2.439579G	-14.04	-44.04	1.853985G	-63.05	2.3992G	-63.31	2.48734G	-61.97	24.652234G	-46.62	1
2.439579G	-14.04	-44.04	1.989095G	-62.91	2.39024G	-63.80	2.50254G	-62.49	24.138999G	-45.76	2
2.439579G	-14.04	-44.04	2.302825G	-63.69	2.3904G	-62.93	2.5131G	-61.84	24.929886G	-45.88	3
2.439579G	-14.04	-44.04	198.315M	-64.18	2.39024G	-63.57	2.52878G	-62.26	24.697107G	-44.81	4

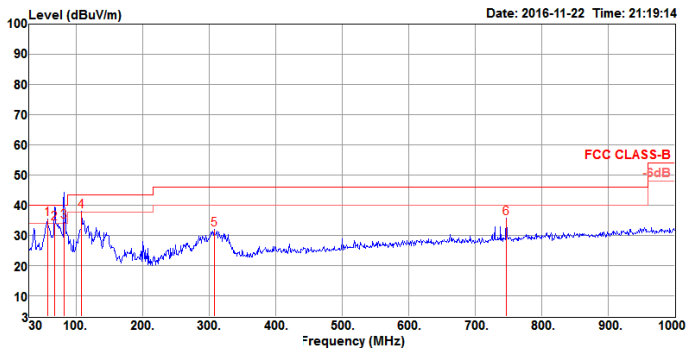
RSE below 1GHz Result			
Operating Mode	2	**Polarization**	Horizontal
Operating Function	Normal Link		



	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	111.48	30.36	43.50	-13.14	42.76	1.19	18.84	32.43	300	360	Peak	HORIZONTAL
2	291.90	33.99	46.00	-12.01	44.54	1.94	19.84	32.33	150	68	Peak	HORIZONTAL
3	321.97	31.46	46.00	-14.54	41.09	2.05	20.64	32.32	150	38	Peak	HORIZONTAL
4	564.47	28.54	46.00	-17.46	33.21	2.73	24.97	32.37	200	163	Peak	HORIZONTAL
5	738.10	32.99	46.00	-13.01	35.88	3.14	26.27	32.30	200	333	Peak	HORIZONTAL
6	1000.00	35.00	54.00	-19.00	33.52	3.64	28.60	30.76	100	174	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	2	**Power Phase**	Vertical
Operating Function	Normal Link		



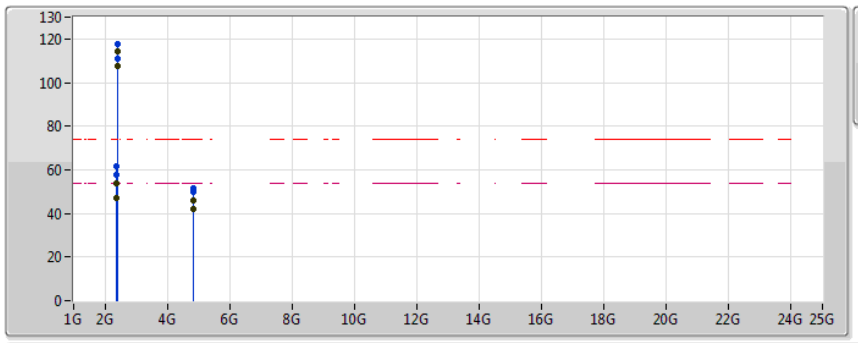
	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	57.16	35.42	40.00	-4.58	52.95	0.84	14.02	32.39	100	215	Peak	VERTICAL
2	67.83	33.87	40.00	-6.13	52.30	0.92	13.06	32.41	150	93	QP	VERTICAL
3	82.38	34.51	40.00	-5.49	51.87	1.01	14.06	32.43	150	89	QP	VERTICAL
4	108.57	38.04	43.50	-5.46	50.68	1.17	18.63	32.44	150	100	Peak	VERTICAL
5	307.42	32.01	46.00	-13.99	42.12	2.00	20.22	32.33	200	186	Peak	VERTICAL
6	746.83	35.62	46.00	-10.38	38.36	3.16	26.38	32.28	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;VHT40;Nss1,(M0);Ntx4;2422	Pass	AV	2.3892G	53.99	54.00	-0.01	32.67	3	H	156	2.80	-

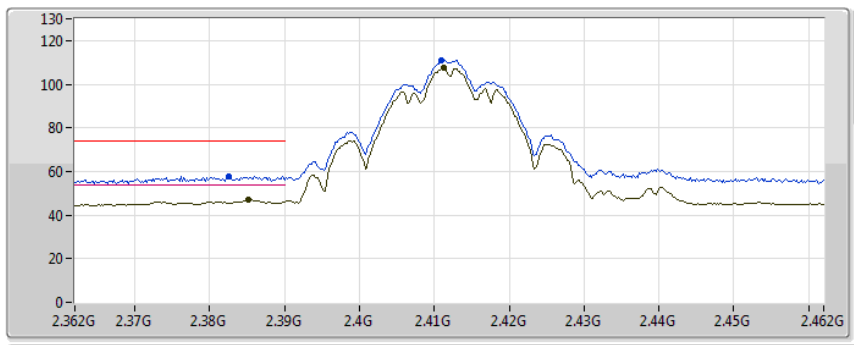
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2412MHz;TX



20161117
EUT X 4TX non-TXBF
Setting:1C
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3862G	53.64	54.00	-0.36	32.67	3	H	190	1.42	-
AV	2.4104G	114.29	Inf	-Inf	32.68	3	H	190	1.42	-
PK	2.3866G	61.61	74.00	-12.39	32.67	3	H	190	1.42	-
PK	2.41G	117.59	Inf	-Inf	32.68	3	H	190	1.42	-
AV	2.3852G	47.07	54.00	-6.93	32.67	3	V	252	1.24	-
AV	2.4112G	107.70	Inf	-Inf	32.68	3	V	252	1.24	-
PK	2.3826G	57.53	74.00	-16.47	32.66	3	V	252	1.24	-
PK	2.411G	111.14	Inf	-Inf	32.68	3	V	252	1.24	-
AV	4.82402G	46.19	54.00	-7.81	3.70	3	H	187	1.83	-
PK	4.824016G	51.61	74.00	-22.39	3.70	3	H	187	1.83	-
AV	4.823988G	41.77	54.00	-12.23	3.70	3	V	172	1.95	-
PK	4.824104G	49.71	74.00	-24.29	3.70	3	V	172	1.95	-

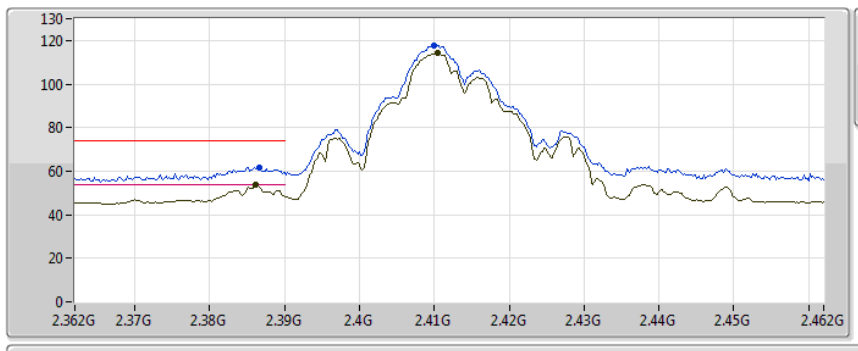
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2412MHz;TX



20161117
EUT X 4TX non-TXBF
Setting:1C
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3852G	47.07	54.00	-6.93	32.67	3	V	252	1.24	-
AV	2.4112G	107.70	Inf	-Inf	32.68	3	V	252	1.24	-
PK	2.3826G	57.53	74.00	-16.47	32.66	3	V	252	1.24	-
PK	2.411G	111.14	Inf	-Inf	32.68	3	V	252	1.24	-

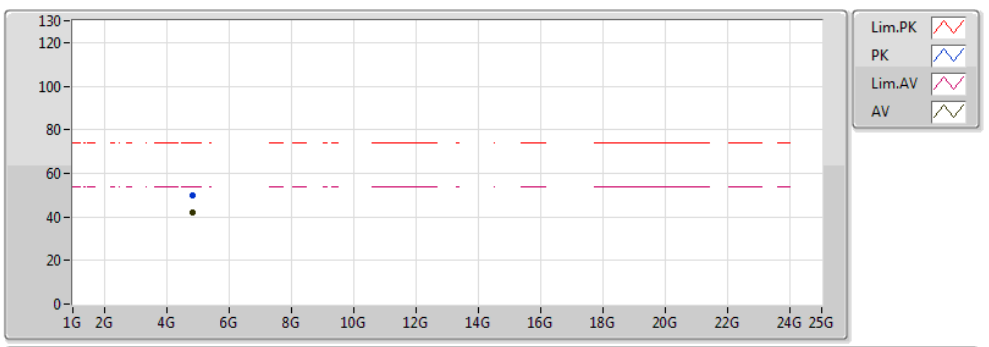
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2412MHz;TX



20161117
EUT X 4TX non-TXBF
Setting:1C
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4104G	114.29	Inf	-Inf	32.68	3	H	190	1.42	-
PK	2.3866G	61.61	74.00	-12.39	32.67	3	H	190	1.42	-
PK	2.41G	117.59	Inf	-Inf	32.68	3	H	190	1.42	-
AV	2.3862G	53.64	54.00	-0.36	32.67	3	H	190	1.42	-

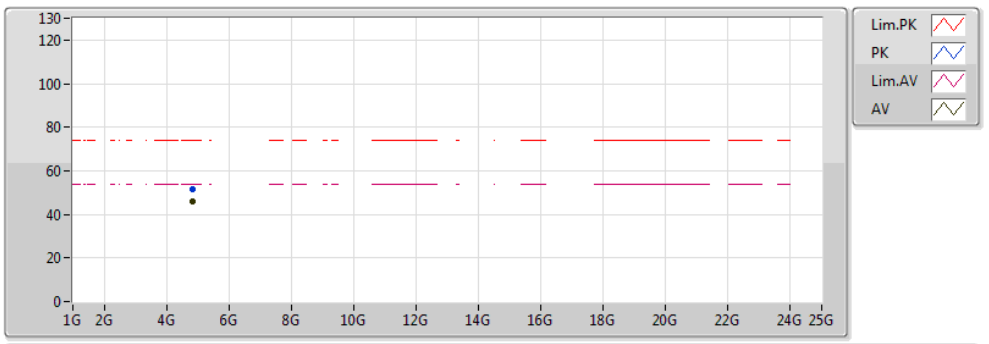
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2412MHz;TX



20161117
EUT X 4TX non-TXBF
Setting:1C
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.823988G	41.77	54.00	-12.23	3.70	3	V	172	1.95	-
PK	4.824104G	49.71	74.00	-24.29	3.70	3	V	172	1.95	-

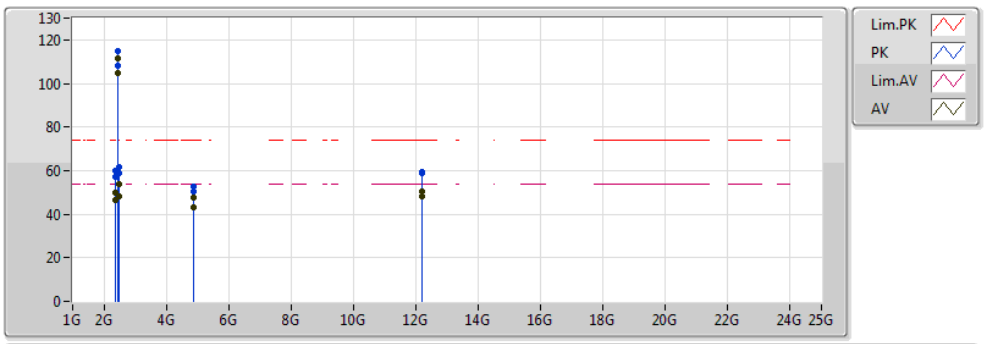
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2412MHz;TX



20161117
EUT X 4TX non-TXBF
Setting:1C
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.82402G	46.19	54.00	-7.81	3.70	3	H	187	1.83	-
PK	4.824016G	51.61	74.00	-22.39	3.70	3	H	187	1.83	-

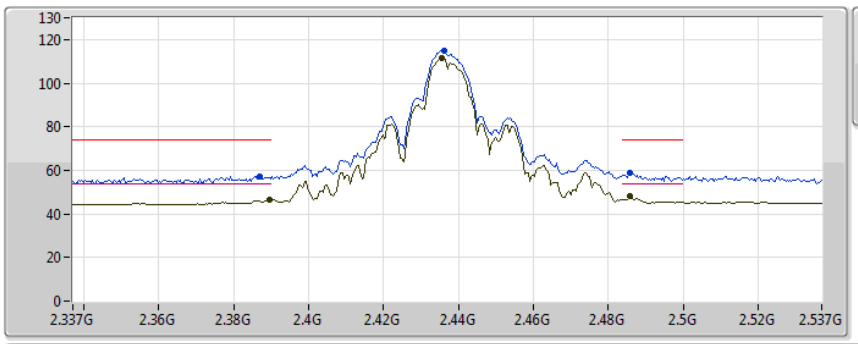
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2437MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:21
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3858G	49.71	54.00	-4.29	32.67	3	H	168	1.36	-
AV	2.4434G	104.93	Inf	-Inf	32.73	3	H	168	1.36	-
AV	2.4854G	53.70	54.00	-0.30	32.78	3	H	168	1.36	-
PK	2.3862G	59.75	74.00	-14.25	32.67	3	H	168	1.36	-
PK	2.443G	108.19	Inf	-Inf	32.73	3	H	168	1.36	-
PK	2.4862G	61.84	74.00	-12.16	32.78	3	H	168	1.36	-
AV	2.3894G	46.62	54.00	-7.38	32.67	3	V	285	2.84	-
AV	2.4354G	111.29	Inf	-Inf	32.72	3	V	285	2.84	-
AV	2.4858G	48.23	54.00	-5.77	32.78	3	V	285	2.84	-
PK	2.387G	57.40	74.00	-16.60	32.67	3	V	285	2.84	-
PK	2.4362G	115.02	Inf	-Inf	32.72	3	V	285	2.84	-
PK	2.4858G	58.76	74.00	-15.24	32.78	3	V	285	2.84	-
AV	4.87398G	47.50	54.00	-6.50	3.84	3	H	151	1.90	-
AV	12.1842G	48.17	54.00	-5.83	15.02	3	H	98	1.52	-
PK	4.87396G	52.41	74.00	-21.59	3.84	3	H	151	1.90	-
PK	12.18408G	59.28	74.00	-14.72	15.02	3	H	98	1.52	-
AV	4.874012G	43.12	54.00	-10.88	3.84	3	V	353	1.50	-
AV	12.18324G	50.29	54.00	-3.71	15.02	3	V	143	2.23	-
PK	4.873952G	50.41	74.00	-23.59	3.84	3	V	353	1.50	-
PK	12.18324G	58.63	74.00	-15.37	15.02	3	V	143	2.23	-

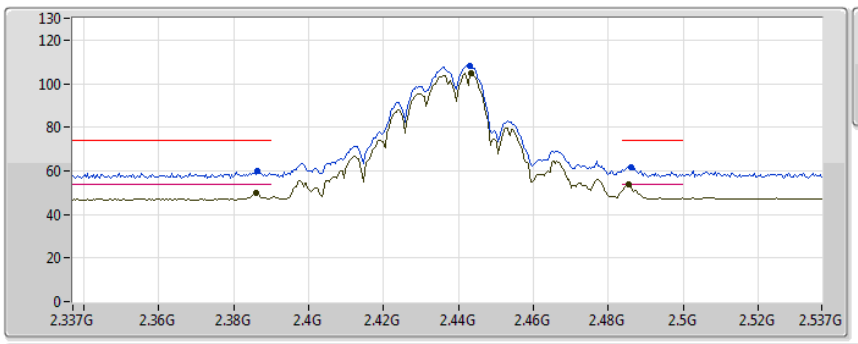
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2437MHz;TX



20161117
EUT X 4TX non-TXBF
Setting:21
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3894G	46.62	54.00	-7.38	32.67	3	V	285	2.84	-
AV	2.4354G	111.29	Inf	-Inf	32.72	3	V	285	2.84	-
AV	2.4858G	48.23	54.00	-5.77	32.78	3	V	285	2.84	-
PK	2.387G	57.40	74.00	-16.60	32.67	3	V	285	2.84	-
PK	2.4362G	115.02	Inf	-Inf	32.72	3	V	285	2.84	-
PK	2.4858G	58.76	74.00	-15.24	32.78	3	V	285	2.84	-

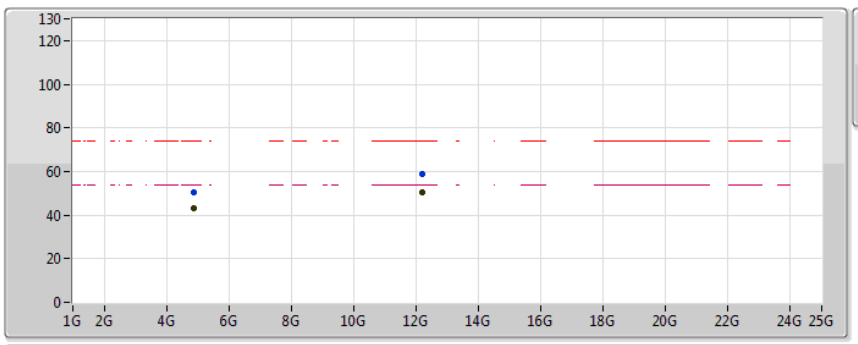
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2437MHz;TX



20161117
EUT X 4TX non-TXBF
Setting:21
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3858G	49.71	54.00	-4.29	32.67	3	H	168	1.36	-
AV	2.4434G	104.93	Inf	-Inf	32.73	3	H	168	1.36	-
AV	2.4854G	53.70	54.00	-0.30	32.78	3	H	168	1.36	-
PK	2.3862G	59.75	74.00	-14.25	32.67	3	H	168	1.36	-
PK	2.443G	108.19	Inf	-Inf	32.73	3	H	168	1.36	-
PK	2.4862G	61.84	74.00	-12.16	32.78	3	H	168	1.36	-

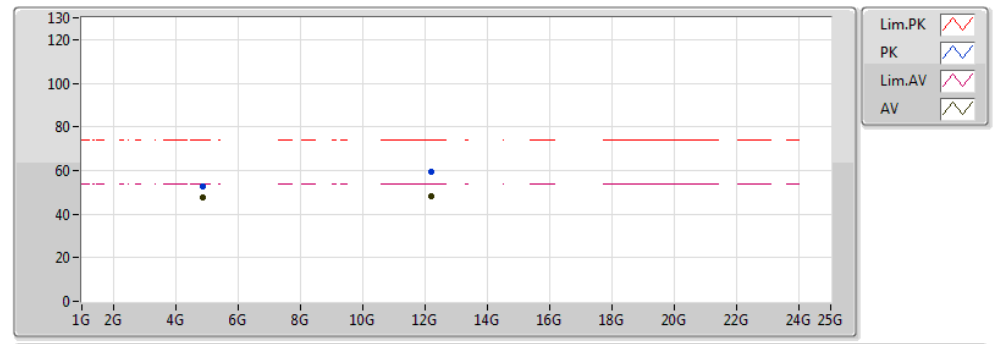
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2437MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:21
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874012G	43.12	54.00	-10.88	3.84	3	V	353	1.50	-
PK	4.873952G	50.41	74.00	-23.59	3.84	3	V	353	1.50	-
AV	12.18324G	50.29	54.00	-3.71	15.02	3	V	143	2.23	-
PK	12.18324G	58.63	74.00	-15.37	15.02	3	V	143	2.23	-

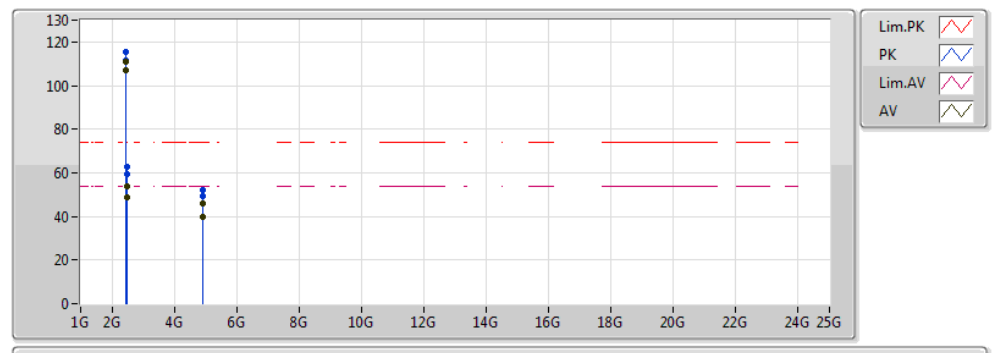
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2437MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:21
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.87398G	47.50	54.00	-6.50	3.84	3	H	151	1.90	-
AV	12.1842G	48.17	54.00	-5.83	15.02	3	H	98	1.52	-
PK	4.87396G	52.41	74.00	-21.59	3.84	3	H	151	1.90	-
PK	12.18408G	59.28	74.00	-14.72	15.02	3	H	98	1.52	-

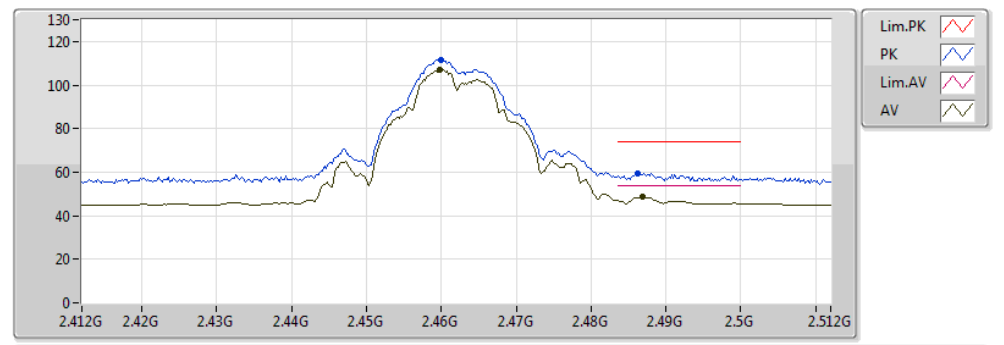
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2462MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:1A
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4638G	110.67	Inf	-Inf	32.75	3	H	162	1.01	-
AV	2.4866G	53.78	54.00	-0.22	32.78	3	H	162	1.01	-
PK	2.4646G	115.19	Inf	-Inf	32.75	3	H	162	1.01	-
PK	2.4866G	63.02	74.00	-10.98	32.78	3	H	162	1.01	-
AV	2.4598G	106.83	Inf	-Inf	32.75	3	V	255	2.72	-
AV	2.4868G	48.65	54.00	-5.35	32.78	3	V	255	2.72	-
PK	2.46G	111.34	Inf	-Inf	32.75	3	V	255	2.72	-
PK	2.4862G	59.37	74.00	-14.63	32.78	3	V	255	2.72	-
AV	4.923964G	45.76	54.00	-8.24	3.98	3	H	209	1.91	-
PK	4.924084G	51.90	74.00	-22.10	3.98	3	H	209	1.91	-
AV	4.92395G	39.65	54.00	-14.35	3.98	3	V	239	1.46	-
PK	4.92417G	49.06	74.00	-24.94	3.98	3	V	239	1.46	-

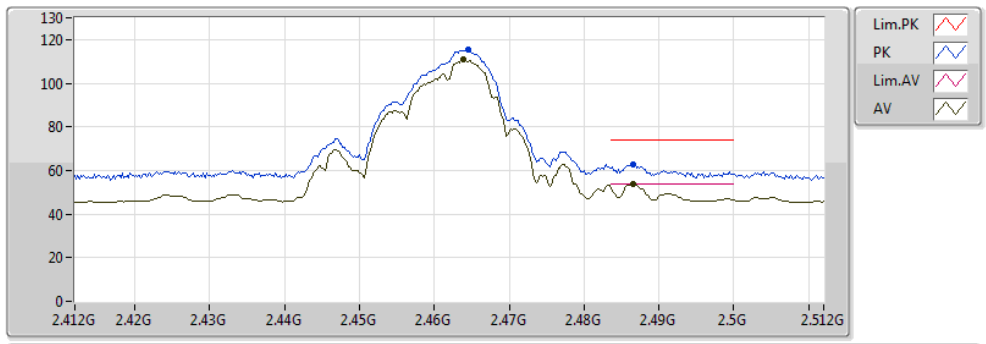
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2462MHz;TX



20161117
EUT X 4TX non-TXBF
Setting:1A
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4598G	106.83	Inf	-Inf	32.75	3	V	255	2.72	-
AV	2.4868G	48.65	54.00	-5.35	32.78	3	V	255	2.72	-
PK	2.46G	111.34	Inf	-Inf	32.75	3	V	255	2.72	-
PK	2.4862G	59.37	74.00	-14.63	32.78	3	V	255	2.72	-

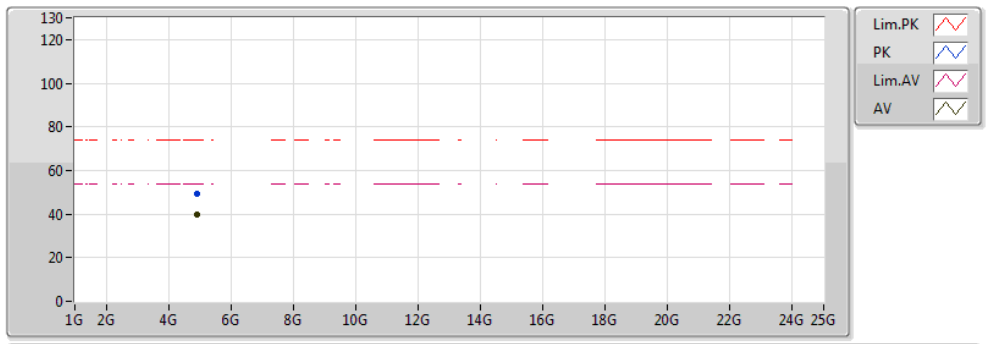
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2462MHz;TX



20161117
EUT X 4TX non-TXBF
Setting:1A
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4638G	110.67	Inf	-Inf	32.75	3	H	162	1.01	-
AV	2.4866G	53.78	54.00	-0.22	32.78	3	H	162	1.01	-
PK	2.4646G	115.19	Inf	-Inf	32.75	3	H	162	1.01	-
PK	2.4866G	63.02	74.00	-10.98	32.78	3	H	162	1.01	-

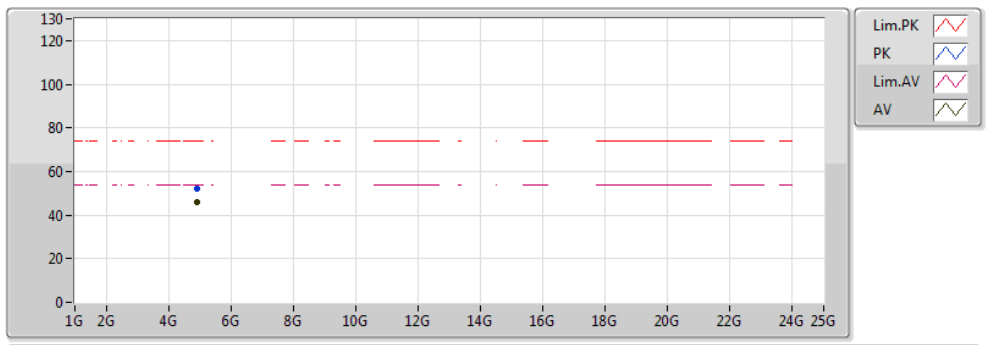
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2462MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:1A
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.92395G	39.65	54.00	-14.35	3.98	3	V	239	1.46	-
PK	4.92417G	49.06	74.00	-24.94	3.98	3	V	239	1.46	-

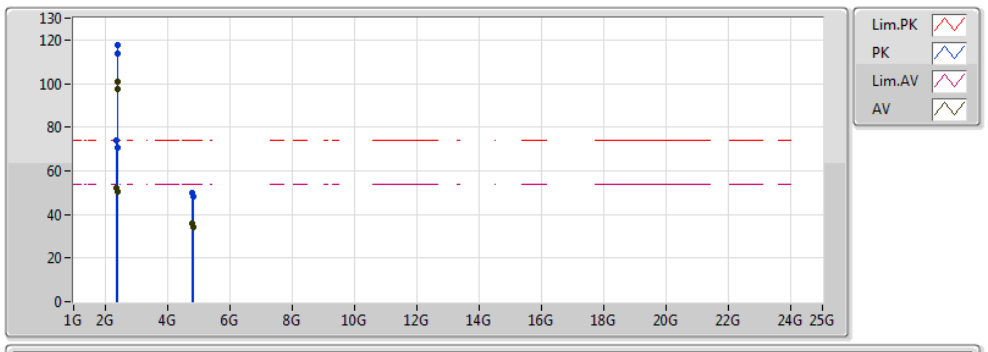
RE TX above 1GHz;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:4;Ch:2462MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:1A
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.923964G	45.76	54.00	-8.24	3.98	3	H	209	1.91	-
PK	4.924084G	51.90	74.00	-22.10	3.98	3	H	209	1.91	-

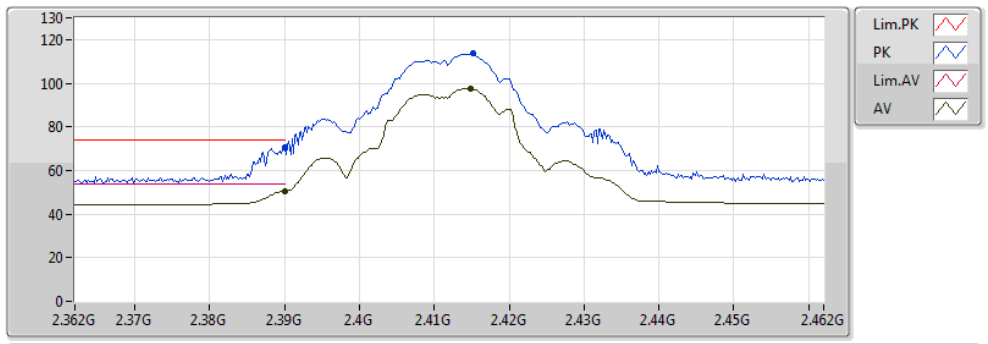
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2412MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:18
04-N-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	52.11	54.00	-1.89	32.67	3	H	184	1.13	-
AV	2.4148G	100.99	Inf	-Inf	32.69	3	H	184	1.13	-
PK	2.3882G	73.97	74.00	-0.03	32.67	3	H	184	1.13	-
PK	2.4152G	117.59	Inf	-Inf	32.69	3	H	184	1.13	-
AV	2.39G	50.44	54.00	-3.56	32.67	3	V	255	2.86	-
AV	2.4148G	97.52	Inf	-Inf	32.69	3	V	255	2.86	-
PK	2.39G	70.71	74.00	-3.29	32.67	3	V	255	2.86	-
PK	2.4152G	113.52	Inf	-Inf	32.69	3	V	255	2.86	-
AV	4.8138G	35.97	54.00	-18.03	3.67	3	H	197	2.69	-
PK	4.8136G	50.06	74.00	-23.94	3.67	3	H	197	2.69	-
AV	4.82796G	34.32	54.00	-19.68	3.71	3	V	326	2.05	-
PK	4.8259G	48.44	74.00	-25.56	3.70	3	V	326	2.05	-

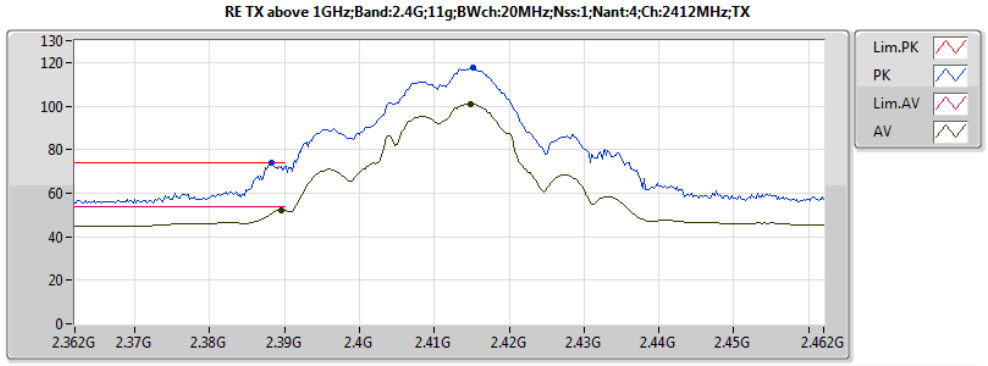
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2412MHz;TX



20161117
EUT X 4TX non-TXBF
Setting:18
04-N-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	50.44	54.00	-3.56	32.67	3	V	255	2.86	-
AV	2.4148G	97.52	Inf	-Inf	32.69	3	V	255	2.86	-
PK	2.39G	70.71	74.00	-3.29	32.67	3	V	255	2.86	-
PK	2.4152G	113.52	Inf	-Inf	32.69	3	V	255	2.86	-

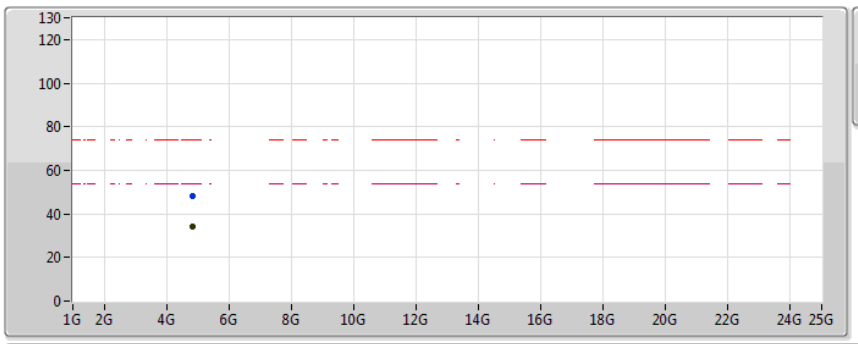
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2412MHz;TX



20161117
EUT X 4TX non-TXBF
Setting:18
04-N-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	52.11	54.00	-1.89	32.67	3	H	184	1.13	-
AV	2.4148G	100.99	Inf	-Inf	32.69	3	H	184	1.13	-
PK	2.3882G	73.97	74.00	-0.03	32.67	3	H	184	1.13	-
PK	2.4152G	117.59	Inf	-Inf	32.69	3	H	184	1.13	-

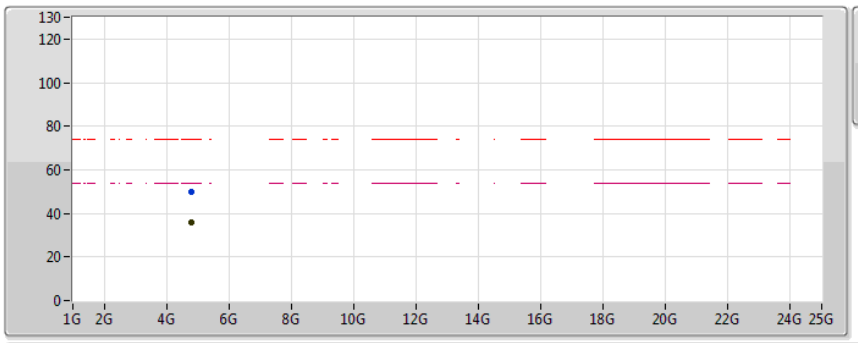
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2412MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:18
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.82796G	34.32	54.00	-19.68	3.71	3	V	326	2.05	-
PK	4.8259G	48.44	74.00	-25.56	3.70	3	V	326	2.05	-

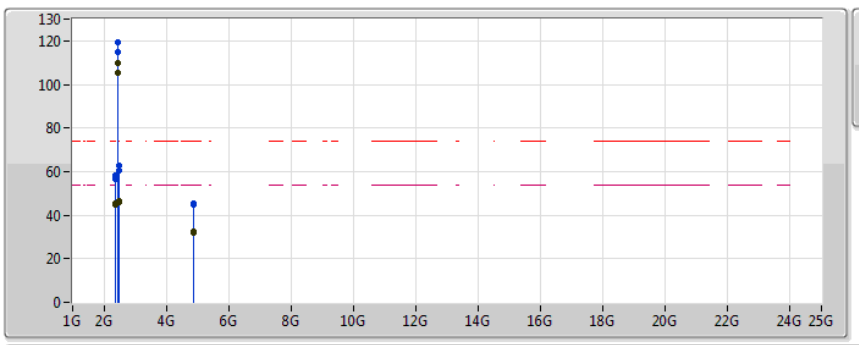
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2412MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:18
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.8138G	35.97	54.00	-18.03	3.67	3	H	197	2.69	-
PK	4.8136G	50.06	74.00	-23.94	3.67	3	H	197	2.69	-

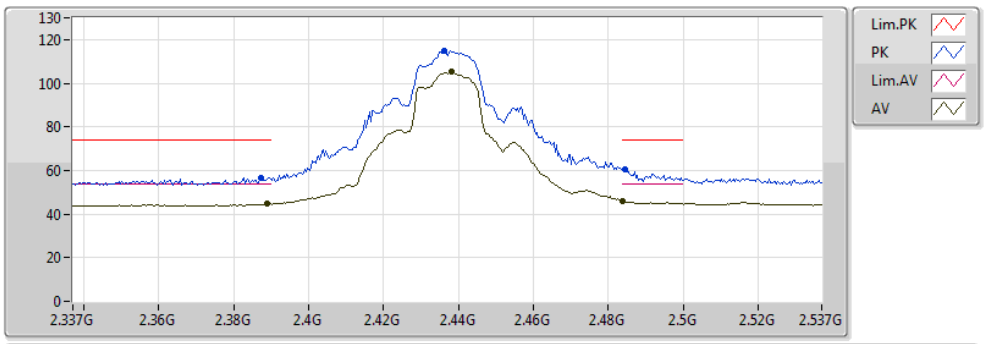
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2437MHz;TX



20161128
EUT Z 4TX NON TXBF
setting 21
驗證 sample 1
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	2.38943G	45.42	54.00	-8.58	30.89	3	H	0	1.50	-
AV	2.438153G	110.09	Inf	-Inf	30.86	3	H	0	1.50	-
AV	2.483933G	46.54	54.00	-7.46	30.85	3	H	0	1.50	-
PK	2.38616G	58.34	74.00	-15.66	30.89	3	H	0	1.50	-
PK	2.43848G	119.08	Inf	-Inf	30.86	3	H	0	1.50	-
PK	2.487203G	62.85	74.00	-11.15	30.85	3	H	0	1.50	-
AV	2.389G	44.59	54.00	-9.41	30.89	3	V	0	2.43	-
AV	2.4382G	105.31	Inf	-Inf	30.86	3	V	0	2.43	-
AV	2.4838G	46.15	54.00	-7.85	30.85	3	V	0	2.43	-
PK	2.3874G	56.79	74.00	-17.21	30.89	3	V	0	2.43	-
PK	2.4362G	114.96	Inf	-Inf	30.87	3	V	0	2.43	-
PK	2.4846G	60.66	74.00	-13.34	30.85	3	V	0	2.43	-
AV	4.88184G	32.04	54.00	-21.96	2.65	3	H	300	1.13	-
PK	4.86424G	45.27	74.00	-28.73	2.62	3	H	300	1.13	-
AV	4.86848G	32.66	54.00	-21.34	2.63	3	V	259	1.24	-
PK	4.88164G	45.01	74.00	-28.99	2.65	3	V	259	1.24	-

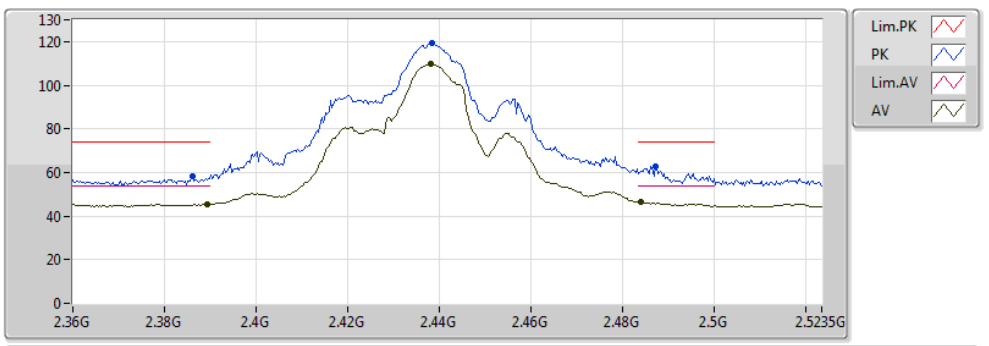
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2437MHz;TX



20161128
EUT Z 4TX NON TXBF
setting 21
驗證 sample 1
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	2.389G	44.59	54.00	-9.41	30.89	3	V	0	2.43	-
AV	2.4382G	105.31	Inf	-Inf	30.86	3	V	0	2.43	-
AV	2.4838G	46.15	54.00	-7.85	30.85	3	V	0	2.43	-
PK	2.3874G	56.79	74.00	-17.21	30.89	3	V	0	2.43	-
PK	2.4362G	114.96	Inf	-Inf	30.87	3	V	0	2.43	-
PK	2.4846G	60.66	74.00	-13.34	30.85	3	V	0	2.43	-

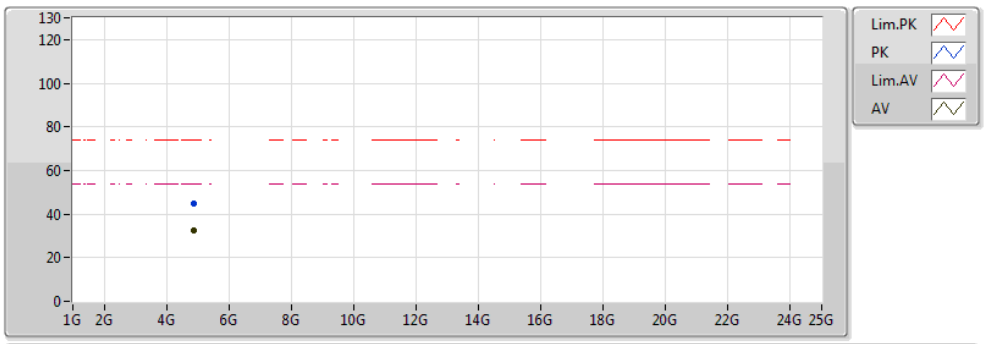
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2437MHz;TX



20161128
EUT Z 4TX NON TXBF
setting 21
驗證 sample 1
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	2.38943G	45.42	54.00	-8.58	30.89	3	H	0	1.50	-
AV	2.438153G	110.09	Inf	-Inf	30.86	3	H	0	1.50	-
AV	2.483933G	46.54	54.00	-7.46	30.85	3	H	0	1.50	-
PK	2.38616G	58.34	74.00	-15.66	30.89	3	H	0	1.50	-
PK	2.43848G	119.08	Inf	-Inf	30.86	3	H	0	1.50	-
PK	2.487203G	62.85	74.00	-11.15	30.85	3	H	0	1.50	-

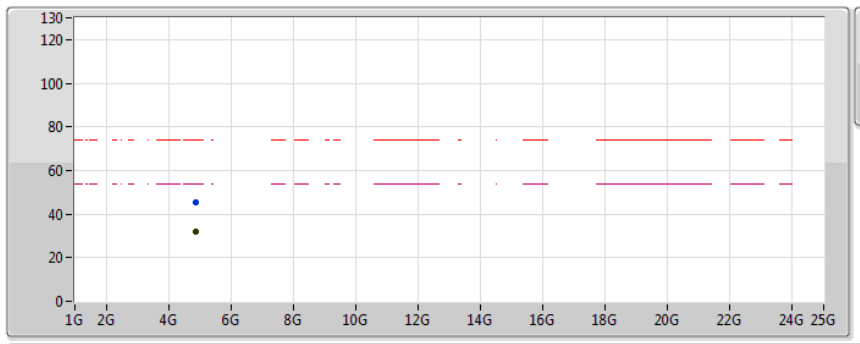
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2437MHz;TX



20161128
EUT Z 4TX NON TXBF
setting 21
驗證 sample 1
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	4.86848G	32.66	54.00	-21.34	2.63	3	V	259	1.24	-
PK	4.88164G	45.01	74.00	-28.99	2.65	3	V	259	1.24	-

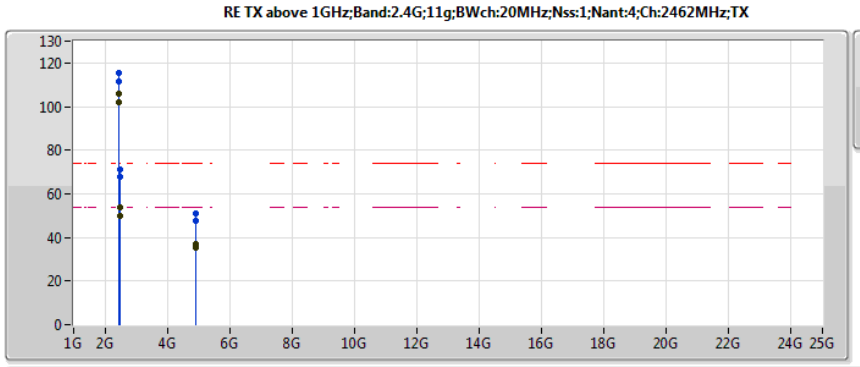
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2437MHz;TX



20161128
EUT Z 4TX NON TXBF
setting 21
驗證 sample 1
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	4.88184G	32.04	54.00	-21.96	2.65	3	H	300	1.13	-
PK	4.86424G	45.27	74.00	-28.73	2.62	3	H	300	1.13	-

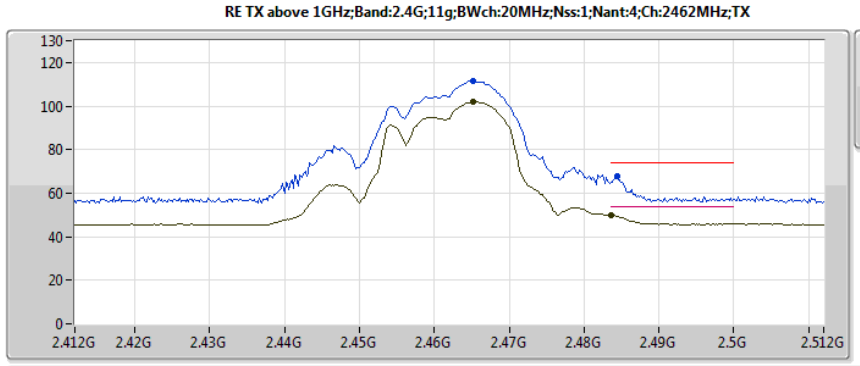
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2462MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:15
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4654G	106.02	Inf	-Inf	32.76	3	H	190	1.09	-
AV	2.4836G	53.80	54.00	-0.20	32.78	3	H	190	1.09	-
PK	2.4652G	115.56	Inf	-Inf	32.75	3	H	190	1.09	-
PK	2.4844G	71.30	74.00	-2.70	32.78	3	H	190	1.09	-
AV	2.4652G	102.24	Inf	-Inf	32.75	3	V	314	2.19	-
AV	2.4836G	50.00	54.00	-4.00	32.78	3	V	314	2.19	-
PK	2.4652G	111.75	Inf	-Inf	32.75	3	V	314	2.19	-
PK	2.4844G	67.67	74.00	-6.33	32.78	3	V	314	2.19	-
AV	4.9254G	37.02	54.00	-16.98	3.98	3	H	199	2.00	-
PK	4.92456G	50.79	74.00	-23.21	3.98	3	H	199	2.00	-
AV	4.92556G	35.38	54.00	-18.62	3.98	3	V	184	1.02	-
PK	4.92364G	47.63	74.00	-26.37	3.98	3	V	184	1.02	-

RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2462MHz;TX



20161117
EUT X 4TX non-TXBF
Setting:15
04-N-2

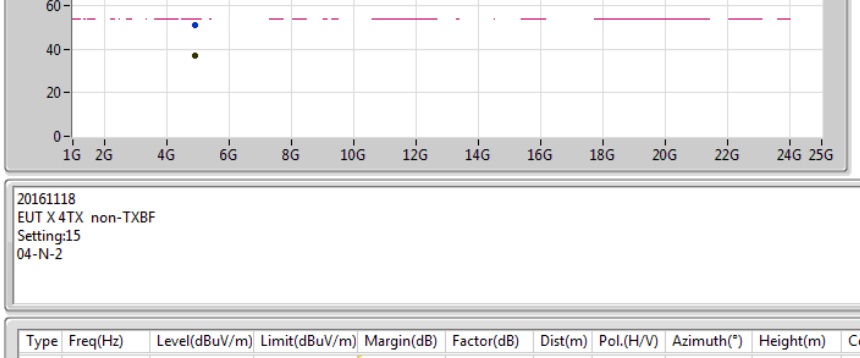
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4654G	106.02	Inf	-Inf	32.76	3	H	190	1.09	-
AV	2.4836G	53.80	54.00	-0.20	32.78	3	H	190	1.09	-
PK	2.4652G	115.56	Inf	-Inf	32.75	3	H	190	1.09	-
PK	2.4844G	71.30	74.00	-2.70	32.78	3	H	190	1.09	-
AV	2.4652G	102.24	Inf	-Inf	32.75	3	V	314	2.19	-
AV	2.4836G	50.00	54.00	-4.00	32.78	3	V	314	2.19	-
PK	2.4652G	111.75	Inf	-Inf	32.75	3	V	314	2.19	-
PK	2.4844G	67.67	74.00	-6.33	32.78	3	V	314	2.19	-

RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2462MHz;TX

20161118
EUT X 4TX non-TXBF
Setting:15
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.92556G	35.38	54.00	-18.62	3.98	3	V	184	1.02	-
PK	4.92364G	47.63	74.00	-26.37	3.98	3	V	184	1.02	-

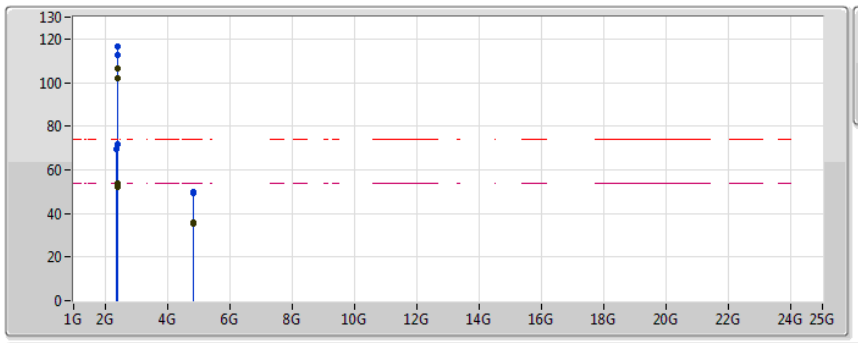
RE TX above 1GHz;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:4;Ch:2462MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:15
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.9254G	37.02	54.00	-16.98	3.98	3	H	199	2.00	-
PK	4.92456G	50.79	74.00	-23.21	3.98	3	H	199	2.00	-

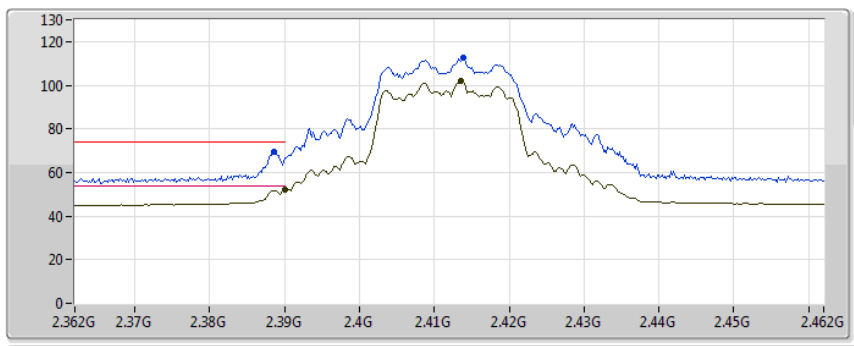
RE TX above 1GHz;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2412MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:15
04-N-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	53.78	54.00	-0.22	32.67	3	H	187	2.10	-
AV	2.4124G	106.20	Inf	-Inf	32.69	3	H	187	2.10	-
PK	2.39G	71.85	74.00	-2.15	32.67	3	H	187	2.10	-
PK	2.4126G	116.56	Inf	-Inf	32.69	3	H	187	2.10	-
AV	2.39G	51.88	54.00	-2.12	32.67	3	V	279	1.17	-
AV	2.4136G	101.85	Inf	-Inf	32.69	3	V	279	1.17	-
PK	2.3886G	69.71	74.00	-4.29	32.67	3	V	279	1.17	-
PK	2.4138G	112.43	Inf	-Inf	32.69	3	V	279	1.17	-
AV	4.8225G	35.99	54.00	-18.01	3.69	3	H	162	2.99	-
PK	4.82788G	50.09	74.00	-23.91	3.71	3	H	162	2.99	-
AV	4.82262G	35.43	54.00	-18.57	3.69	3	V	328	2.05	-
PK	4.8278G	49.55	74.00	-24.45	3.71	3	V	328	2.05	-

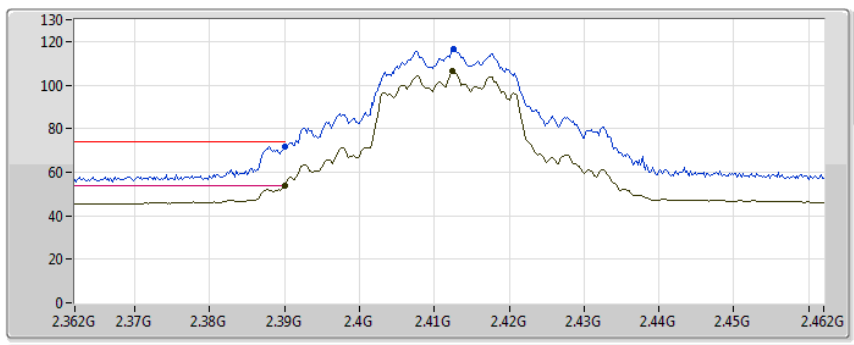
RE TX above 1GHz;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2412MHz;TX



20161117
EUT X 4TX non-TXBF
Setting:15
04-N-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	51.88	54.00	-2.12	32.67	3	V	279	1.17	-
AV	2.4136G	101.85	Inf	-Inf	32.69	3	V	279	1.17	-
PK	2.3886G	69.71	74.00	-4.29	32.67	3	V	279	1.17	-
PK	2.4138G	112.43	Inf	-Inf	32.69	3	V	279	1.17	-

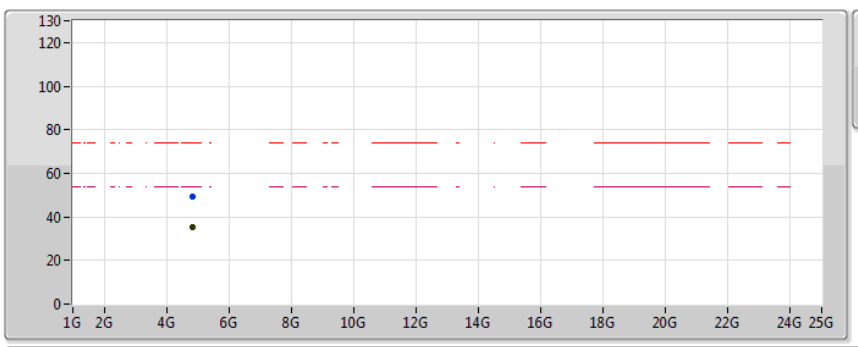
RE TX above 1GHz;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2412MHz;TX



20161117
EUT X 4TX non-TXBF
Setting:15
04-N-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	53.78	54.00	-0.22	32.67	3	H	187	2.10	-
AV	2.4124G	106.20	Inf	-Inf	32.69	3	H	187	2.10	-
PK	2.39G	71.85	74.00	-2.15	32.67	3	H	187	2.10	-
PK	2.4126G	116.56	Inf	-Inf	32.69	3	H	187	2.10	-

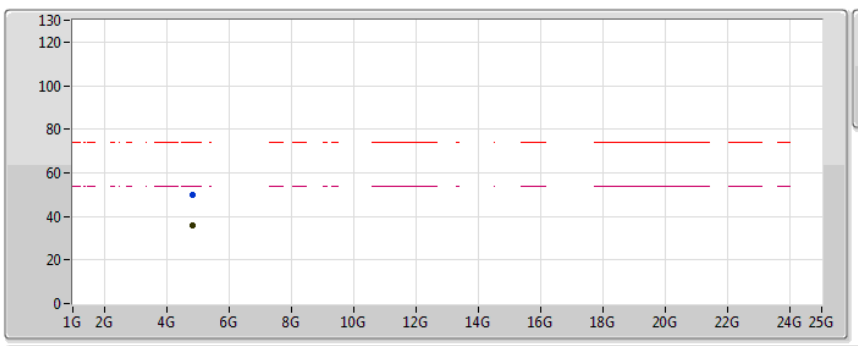
RE TX above 1GHz;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2412MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:15
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.82262G	35.43	54.00	-18.57	3.69	3	V	328	2.05	-
PK	4.8278G	49.55	74.00	-24.45	3.71	3	V	328	2.05	-

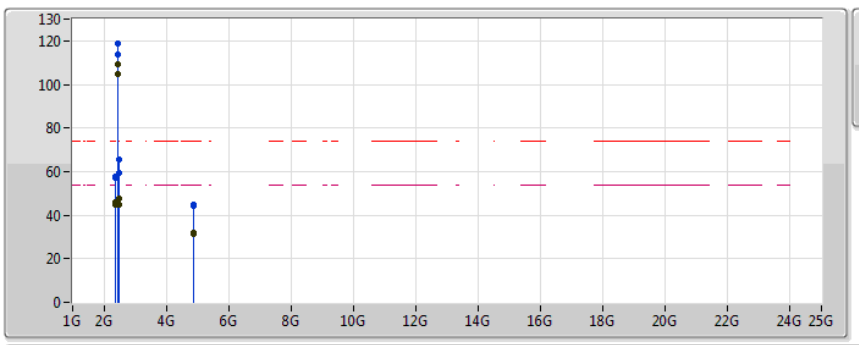
RE TX above 1GHz;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2412MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:15
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.8225G	35.99	54.00	-18.01	3.69	3	H	162	2.99	-
PK	4.82788G	50.09	74.00	-23.91	3.71	3	H	162	2.99	-

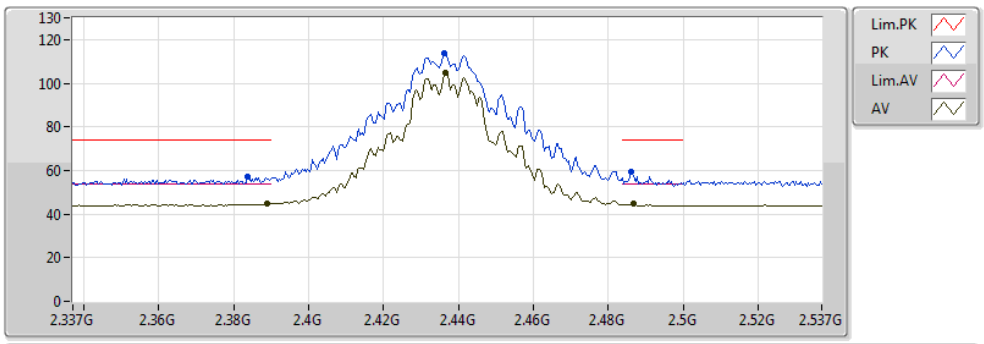
RE TX above 1GHz;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TX



20161128
EUT Z 4TX NON TXBF
setting 21
驗證 sample 1
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	2.3874G	45.75	54.00	-8.25	30.89	3	H	0	1.51	-
AV	2.4366G	109.02	Inf	-Inf	30.87	3	H	0	1.51	-
AV	2.4838G	47.77	54.00	-6.23	30.85	3	H	0	1.51	-
PK	2.351G	57.92	74.00	-16.08	30.91	3	H	0	1.51	-
PK	2.4362G	118.78	Inf	-Inf	30.87	3	H	0	1.51	-
PK	2.4842G	65.41	74.00	-8.59	30.85	3	H	0	1.51	-
AV	2.389G	44.74	54.00	-9.26	30.89	3	V	217	1.13	-
AV	2.4366G	104.68	Inf	-Inf	30.87	3	V	217	1.13	-
AV	2.4866G	44.78	54.00	-9.22	30.85	3	V	217	1.13	-
PK	2.3838G	57.15	74.00	-16.85	30.89	3	V	217	1.13	-
PK	2.4362G	113.78	Inf	-Inf	30.87	3	V	217	1.13	-
PK	2.4862G	59.28	74.00	-14.72	30.85	3	V	217	1.13	-
AV	4.88056G	31.98	54.00	-22.02	2.65	3	H	167	1.38	-
PK	4.8714G	44.93	74.00	-29.07	2.63	3	H	167	1.38	-
AV	4.87448G	31.40	54.00	-22.60	2.64	3	V	185	1.49	-
PK	4.8662G	44.48	74.00	-29.52	2.63	3	V	185	1.49	-

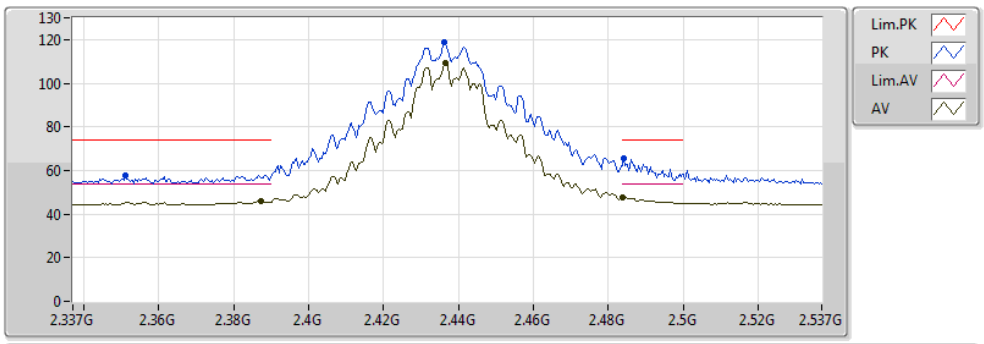
RE TX above 1GHz;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TX



20161128
EUT Z 4TX NON TXBF
setting 21
驗證 sample 1
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	2.389G	44.74	54.00	-9.26	30.89	3	V	217	1.13	-
AV	2.4366G	104.68	Inf	-Inf	30.87	3	V	217	1.13	-
AV	2.4866G	44.78	54.00	-9.22	30.85	3	V	217	1.13	-
PK	2.3838G	57.15	74.00	-16.85	30.89	3	V	217	1.13	-
PK	2.4362G	113.78	Inf	-Inf	30.87	3	V	217	1.13	-
PK	2.4862G	59.28	74.00	-14.72	30.85	3	V	217	1.13	-

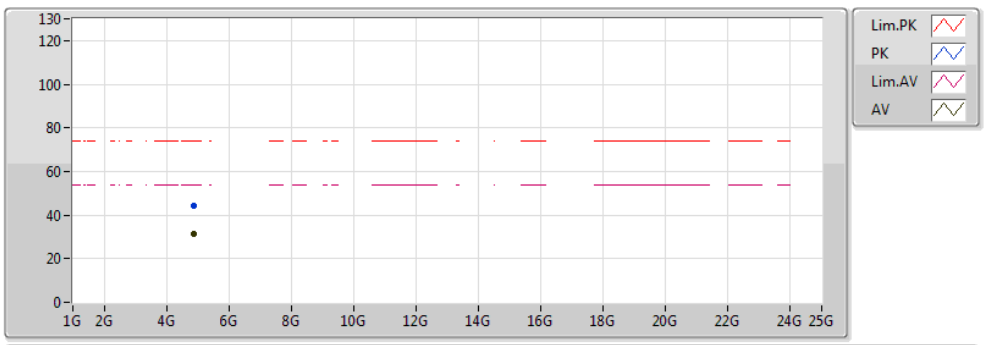
RE TX above 1GHz;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TX



20161128
EUT Z 4TX NON TXBF
setting 21
驗證 sample 1
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	2.3874G	45.75	54.00	-8.25	30.89	3	H	0	1.51	-
AV	2.4366G	109.02	Inf	-Inf	30.87	3	H	0	1.51	-
AV	2.4838G	47.77	54.00	-6.23	30.85	3	H	0	1.51	-
PK	2.351G	57.92	74.00	-16.08	30.91	3	H	0	1.51	-
PK	2.4362G	118.78	Inf	-Inf	30.87	3	H	0	1.51	-
PK	2.4842G	65.41	74.00	-8.59	30.85	3	H	0	1.51	-

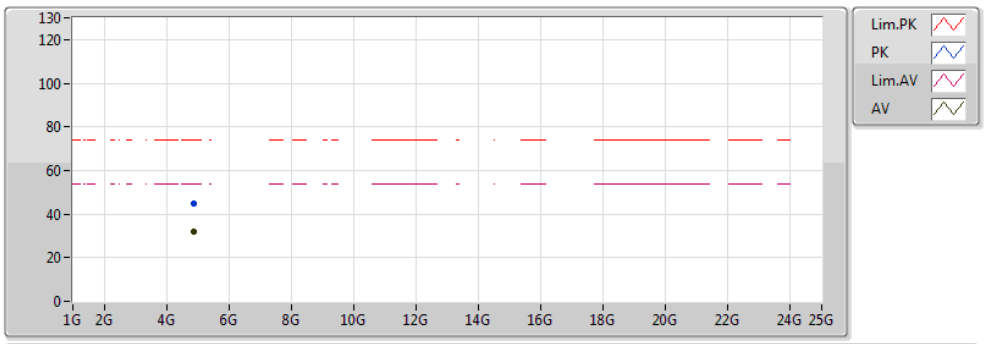
RE TX above 1GHz;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TX



20161128
EUT Z 4TX NON TXBF
setting 21
驗證 sample 1
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	4.87448G	31.40	54.00	-22.60	2.64	3	V	185	1.49	-
PK	4.8662G	44.48	74.00	-29.52	2.63	3	V	185	1.49	-

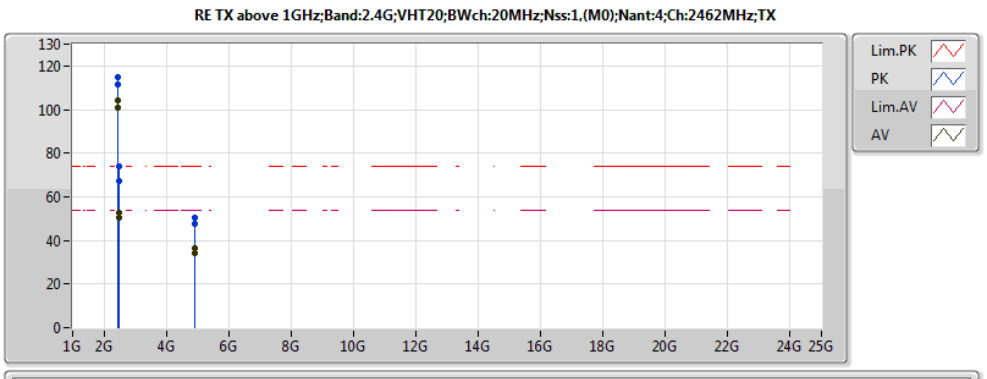
RE TX above 1GHz;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TX



20161128
EUT Z 4TX NON TXBF
setting 21
驗證 sample 1
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	4.88056G	31.98	54.00	-22.02	2.65	3	H	167	1.38	-
PK	4.8714G	44.93	74.00	-29.07	2.63	3	H	167	1.38	-

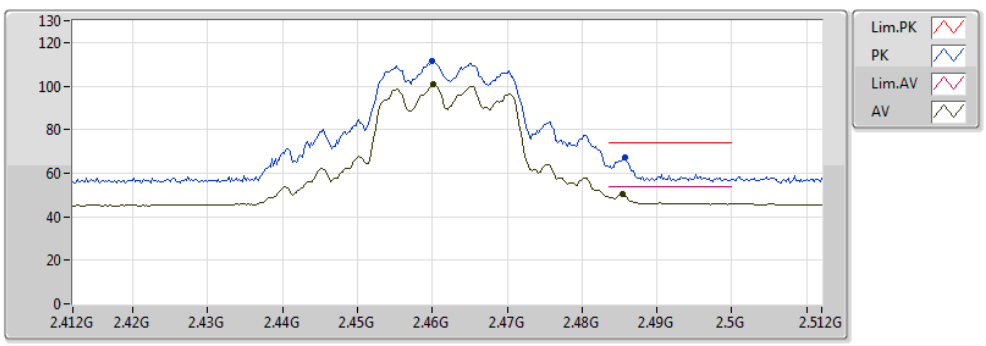
RE TX above 1GHz;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2462MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:15
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4624G	104.47	Inf	-Inf	32.75	3	H	197	1.91	-
AV	2.4836G	52.80	54.00	-1.20	32.78	3	H	197	1.91	-
PK	2.4626G	114.94	Inf	-Inf	32.75	3	H	197	1.91	-
PK	2.4836G	73.83	74.00	-0.17	32.78	3	H	197	1.91	-
AV	2.4602G	100.89	Inf	-Inf	32.75	3	V	84	1.50	-
AV	2.4854G	50.23	54.00	-3.77	32.78	3	V	84	1.50	-
PK	2.46G	111.38	Inf	-Inf	32.75	3	V	84	1.50	-
PK	2.4858G	67.47	74.00	-6.53	32.78	3	V	84	1.50	-
AV	4.91994G	36.67	54.00	-17.33	3.97	3	H	164	2.57	-
PK	4.92482G	50.49	74.00	-23.51	3.98	3	H	164	2.57	-
AV	4.92654G	34.36	54.00	-19.64	3.99	3	V	197	2.52	-
PK	4.92082G	47.57	74.00	-26.43	3.97	3	V	197	2.52	-

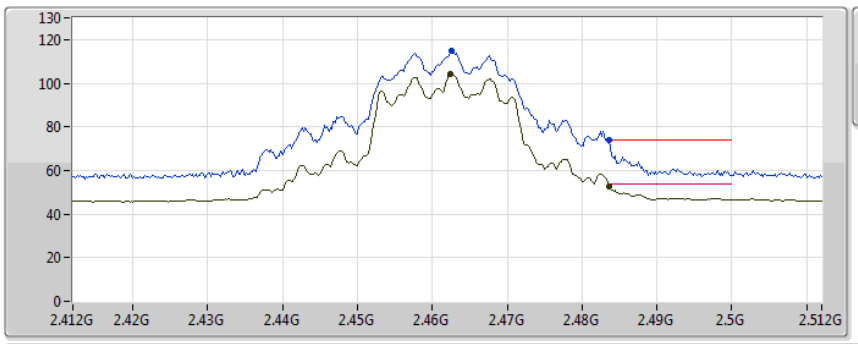
RE TX above 1GHz;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2462MHz;TX



20161117
EUT X 4TX non-TXBF
Setting:15
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4602G	100.89	Inf	-Inf	32.75	3	V	84	1.50	-
AV	2.4854G	50.23	54.00	-3.77	32.78	3	V	84	1.50	-
PK	2.46G	111.38	Inf	-Inf	32.75	3	V	84	1.50	-
PK	2.4858G	67.47	74.00	-6.53	32.78	3	V	84	1.50	-

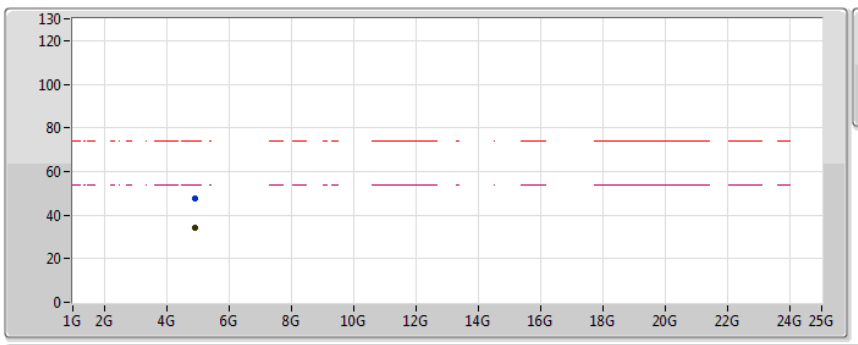
RE TX above 1GHz;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2462MHz;TX



20161117
EUT X 4TX non-TXBF
Setting:15
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4624G	104.47	Inf	-Inf	32.75	3	H	197	1.91	-
AV	2.4836G	52.80	54.00	-1.20	32.78	3	H	197	1.91	-
PK	2.4626G	114.94	Inf	-Inf	32.75	3	H	197	1.91	-
PK	2.4836G	73.83	74.00	-0.17	32.78	3	H	197	1.91	-

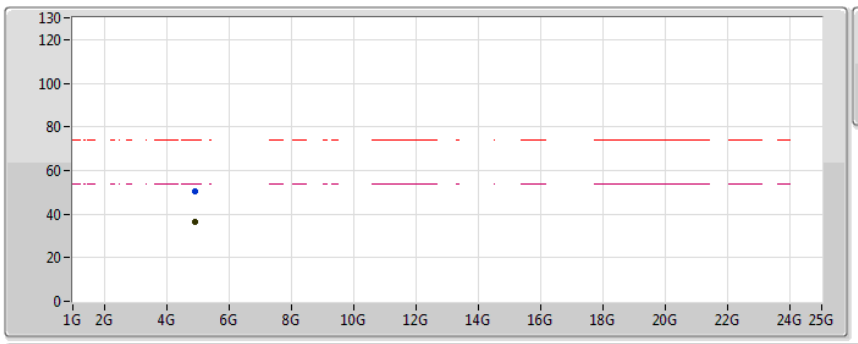
RE TX above 1GHz;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2462MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:15
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.92654G	34.36	54.00	-19.64	3.99	3	V	197	2.52	-
PK	4.92082G	47.57	74.00	-26.43	3.97	3	V	197	2.52	-

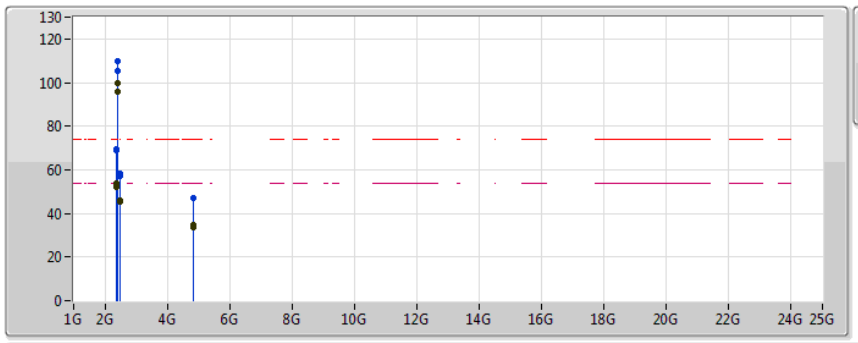
RE TX above 1GHz;Band:2.4G;VHT20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2462MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:15
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.91994G	36.67	54.00	-17.33	3.97	3	H	164	2.57	-
PK	4.92482G	50.49	74.00	-23.51	3.98	3	H	164	2.57	-

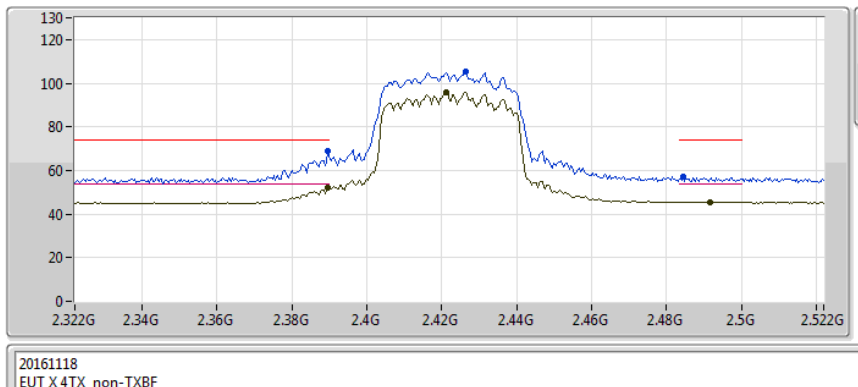
RE TX above 1GHz;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2422MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:0E
04-N-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	53.99	54.00	-0.01	32.67	3	H	156	2.80	-
AV	2.4236G	100.01	Inf	-Inf	32.70	3	H	156	2.80	-
AV	2.4884G	46.20	54.00	-7.80	32.78	3	H	156	2.80	-
PK	2.3888G	69.59	74.00	-4.41	32.67	3	H	156	2.80	-
PK	2.424G	110.10	Inf	-Inf	32.70	3	H	156	2.80	-
PK	2.4976G	58.36	74.00	-15.64	32.80	3	H	156	2.80	-
AV	2.3896G	51.98	54.00	-2.02	32.67	3	V	252	1.61	-
AV	2.4212G	96.05	Inf	-Inf	32.70	3	V	252	1.61	-
AV	2.4916G	45.47	54.00	-8.53	32.79	3	V	252	1.61	-
PK	2.3896G	68.68	74.00	-5.32	32.67	3	V	252	1.61	-
PK	2.4264G	105.24	Inf	-Inf	32.70	3	V	252	1.61	-
PK	2.4844G	57.39	74.00	-16.61	32.78	3	V	252	1.61	-
AV	4.84042G	34.90	54.00	-19.10	3.74	3	H	19	2.94	-
PK	4.84034G	46.92	74.00	-27.08	3.74	3	H	19	2.94	-
AV	4.8395G	33.82	54.00	-20.18	3.74	3	V	263	1.54	-
PK	4.8462G	47.32	74.00	-26.68	3.76	3	V	263	1.54	-

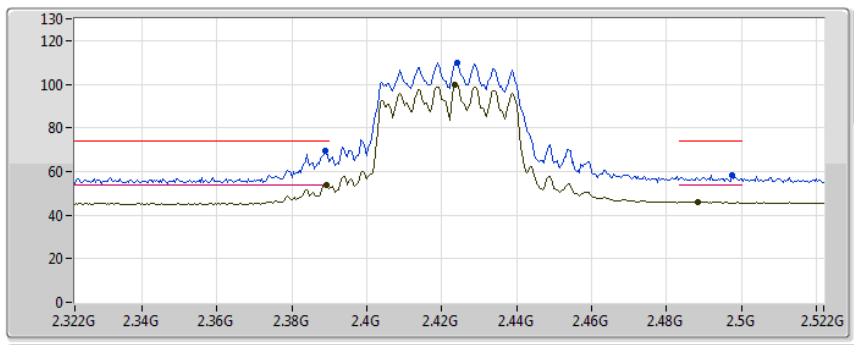
RE TX above 1GHz;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2422MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:0E
04-N-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	51.98	54.00	-2.02	32.67	3	V	252	1.61	-
AV	2.4212G	96.05	Inf	-Inf	32.70	3	V	252	1.61	-
AV	2.4916G	45.47	54.00	-8.53	32.79	3	V	252	1.61	-
PK	2.3896G	68.68	74.00	-5.32	32.67	3	V	252	1.61	-
PK	2.4264G	105.24	Inf	-Inf	32.70	3	V	252	1.61	-
PK	2.4844G	57.39	74.00	-16.61	32.78	3	V	252	1.61	-

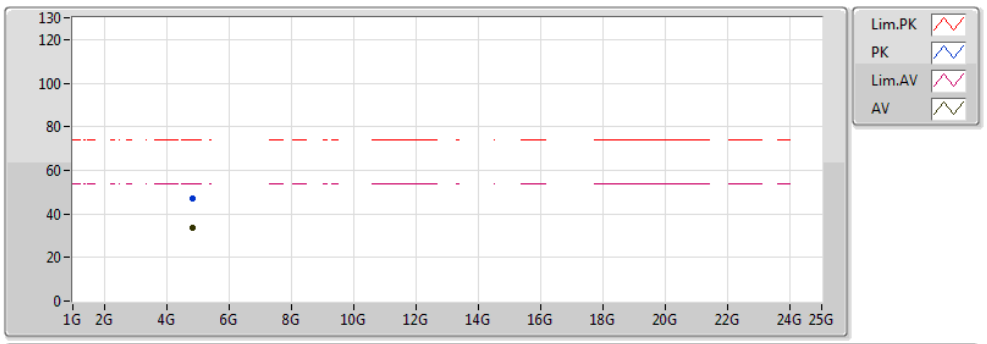
RE TX above 1GHz;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2422MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:0E
04-N-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	53.99	54.00	-0.01	32.67	3	H	156	2.80	-
AV	2.4236G	100.01	Inf	-Inf	32.70	3	H	156	2.80	-
AV	2.4884G	46.20	54.00	-7.80	32.78	3	H	156	2.80	-
PK	2.3888G	69.59	74.00	-4.41	32.67	3	H	156	2.80	-
PK	2.424G	110.10	Inf	-Inf	32.70	3	H	156	2.80	-
PK	2.4976G	58.36	74.00	-15.64	32.80	3	H	156	2.80	-

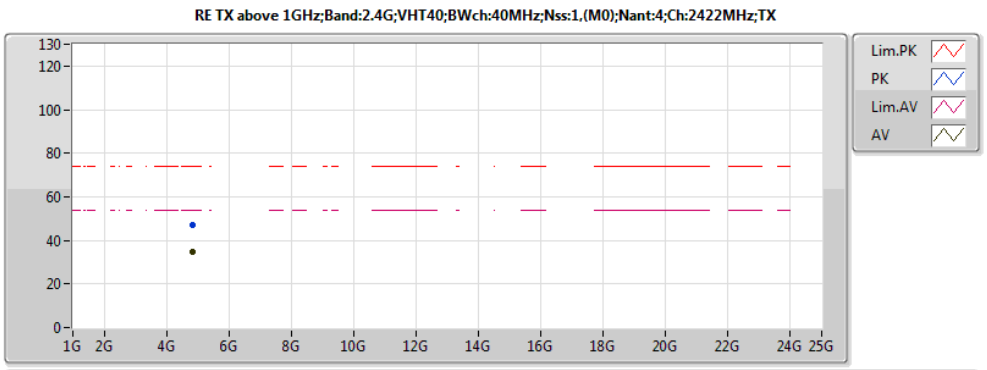
RE TX above 1GHz;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2422MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:0E
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.8395G	33.82	54.00	-20.18	3.74	3	V	263	1.54	-
PK	4.8462G	47.32	74.00	-26.68	3.76	3	V	263	1.54	-

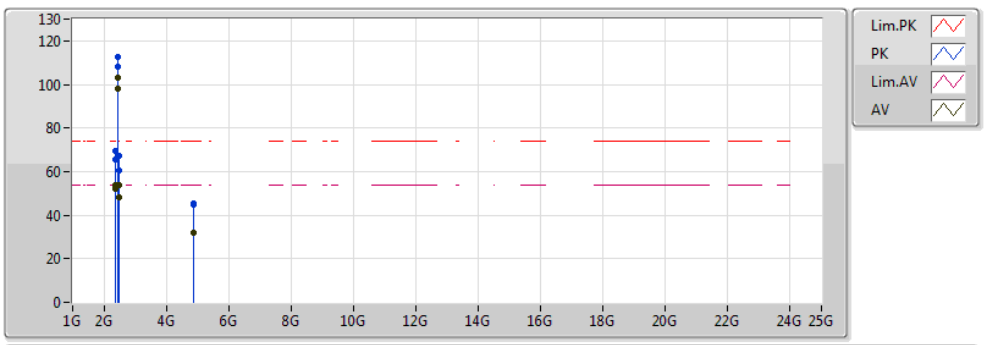
RE TX above 1GHz;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2422MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:0E
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.84042G	34.90	54.00	-19.10	3.74	3	H	19	2.94	-
PK	4.84034G	46.92	74.00	-27.08	3.74	3	H	19	2.94	-

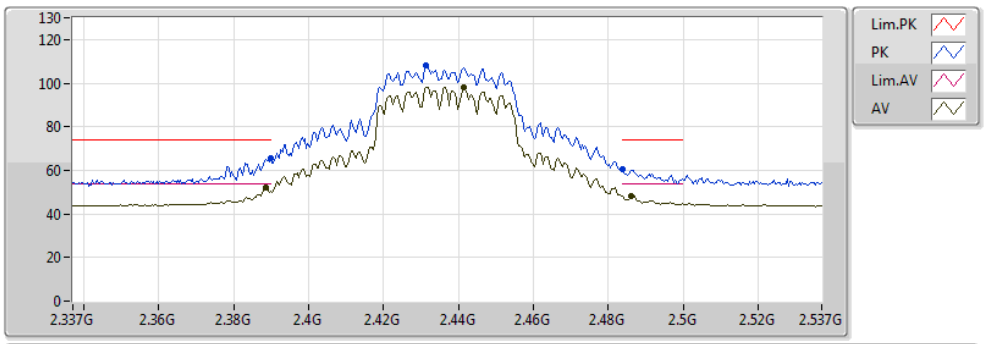
RE TX above 1GHz;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TX



20161128
EUT Z 4TX NON TXBF
setting 17
驗證 sample 1
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	2.3898G	53.95	54.00	-0.05	30.89	3	H	275	1.48	-
AV	2.4318G	102.92	Inf	-Inf	30.87	3	H	275	1.48	-
AV	2.4866G	53.82	54.00	-0.18	30.85	3	H	275	1.48	-
PK	2.3862G	69.66	74.00	-4.34	30.89	3	H	275	1.48	-
PK	2.4314G	112.59	Inf	-Inf	30.87	3	H	275	1.48	-
PK	2.4862G	67.22	74.00	-6.78	30.85	3	H	275	1.48	-
AV	2.3886G	52.27	54.00	-1.73	30.89	3	V	215	1.15	-
AV	2.4414G	98.21	Inf	-Inf	30.86	3	V	215	1.15	-
AV	2.4862G	48.36	54.00	-5.64	30.85	3	V	215	1.15	-
PK	2.3898G	65.33	74.00	-8.67	30.89	3	V	215	1.15	-
PK	2.4314G	107.90	Inf	-Inf	30.87	3	V	215	1.15	-
PK	2.4838G	60.26	74.00	-13.74	30.85	3	V	215	1.15	-
AV	4.86932G	32.18	54.00	-21.82	2.63	3	H	176	1.52	-
PK	4.8808G	45.48	74.00	-28.52	2.65	3	H	176	1.52	-
AV	4.8816G	31.97	54.00	-22.03	2.65	3	V	157	1.11	-
PK	4.88364G	44.73	74.00	-29.27	2.65	3	V	157	1.11	-

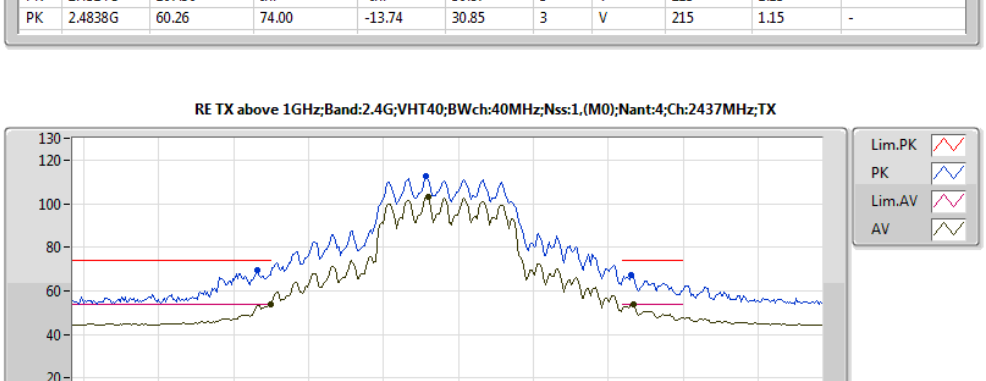
RE TX above 1GHz;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TX



20161128
EUT Z 4TX NON TXBF
setting 17
驗證 sample 1
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	2.3886G	52.27	54.00	-1.73	30.89	3	V	215	1.15	-
AV	2.4414G	98.21	Inf	-Inf	30.86	3	V	215	1.15	-
AV	2.4862G	48.36	54.00	-5.64	30.85	3	V	215	1.15	-
PK	2.3898G	65.33	74.00	-8.67	30.89	3	V	215	1.15	-
PK	2.4314G	107.90	Inf	-Inf	30.87	3	V	215	1.15	-
PK	2.4838G	60.26	74.00	-13.74	30.85	3	V	215	1.15	-

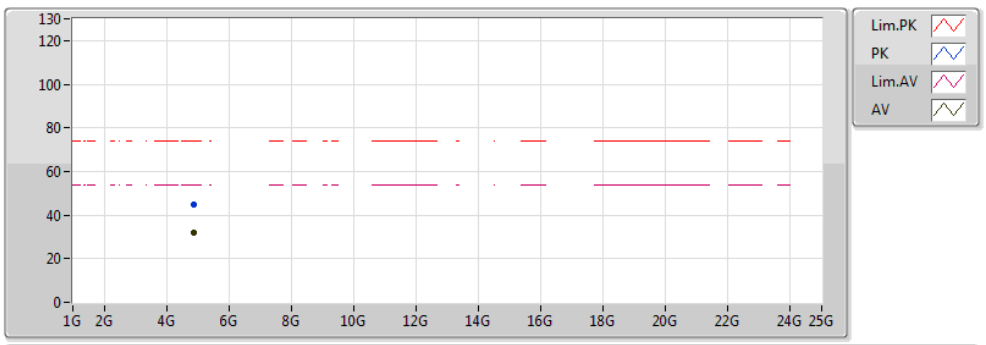
RE TX above 1GHz;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TX



20161128
EUT Z 4TX NON TXBF
setting 17
驗證 sample 1
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	4.8816G	31.97	54.00	-22.03	2.65	3	V	157	1.11	-
PK	4.88364G	44.73	74.00	-29.27	2.65	3	V	157	1.11	-

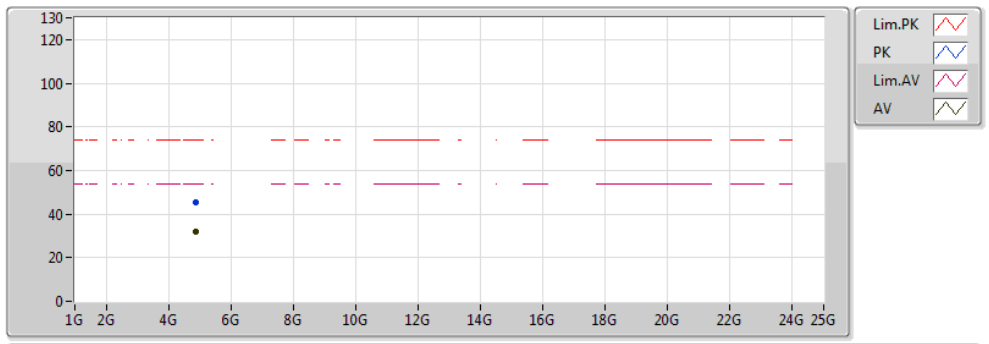
RE TX above 1GHz;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TX



20161128
EUT Z 4TX NON TXBF
setting 17
驗證 sample 1
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	4.8816G	31.97	54.00	-22.03	2.65	3	V	157	1.11	-
PK	4.88364G	44.73	74.00	-29.27	2.65	3	V	157	1.11	-

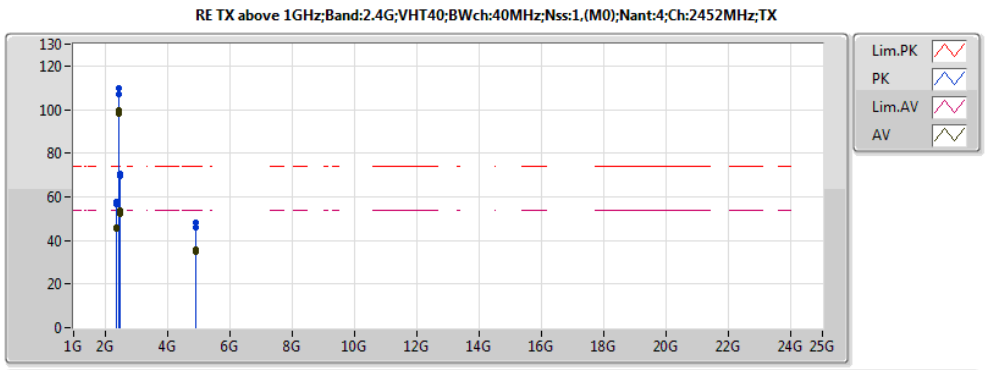
RE TX above 1GHz;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TX



20161128
EUT Z 4TX NON TXBF
setting 17
驗證 sample 1
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	4.86932G	32.18	54.00	-21.82	2.63	3	H	176	1.52	-
PK	4.8808G	45.48	74.00	-28.52	2.65	3	H	176	1.52	-

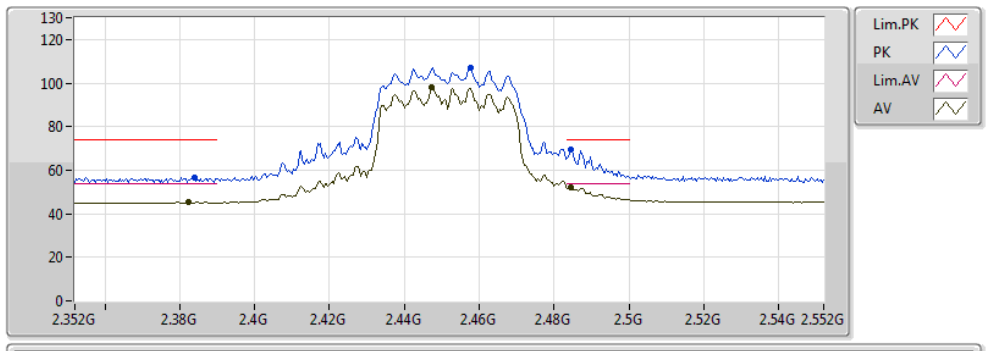
RE TX above 1GHz;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2452MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:11
04-N-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	45.82	54.00	-8.18	32.67	3	H	197	1.60	-
AV	2.4476G	99.90	Inf	-Inf	32.73	3	H	197	1.60	-
AV	2.4836G	53.95	54.00	-0.05	32.78	3	H	197	1.60	-
PK	2.3888G	57.46	74.00	-16.54	32.67	3	H	197	1.60	-
PK	2.4576G	109.79	Inf	-Inf	32.74	3	H	197	1.60	-
PK	2.4876G	70.59	74.00	-3.41	32.78	3	H	197	1.60	-
AV	2.3824G	45.29	54.00	-8.71	32.66	3	V	255	2.72	-
AV	2.4472G	98.04	Inf	-Inf	32.73	3	V	255	2.72	-
AV	2.4844G	52.01	54.00	-1.99	32.78	3	V	255	2.72	-
PK	2.384G	56.84	74.00	-17.16	32.67	3	V	255	2.72	-
PK	2.4576G	106.94	Inf	-Inf	32.74	3	V	255	2.72	-
PK	2.4844G	69.72	74.00	-4.28	32.78	3	V	255	2.72	-
AV	4.90444G	35.87	54.00	-18.13	3.92	3	H	25	2.47	-
PK	4.89944G	48.11	74.00	-25.89	3.91	3	H	25	2.47	-
AV	4.914G	34.74	54.00	-19.26	3.95	3	V	187	2.21	-
PK	4.91396G	45.85	74.00	-28.15	3.95	3	V	187	2.21	-

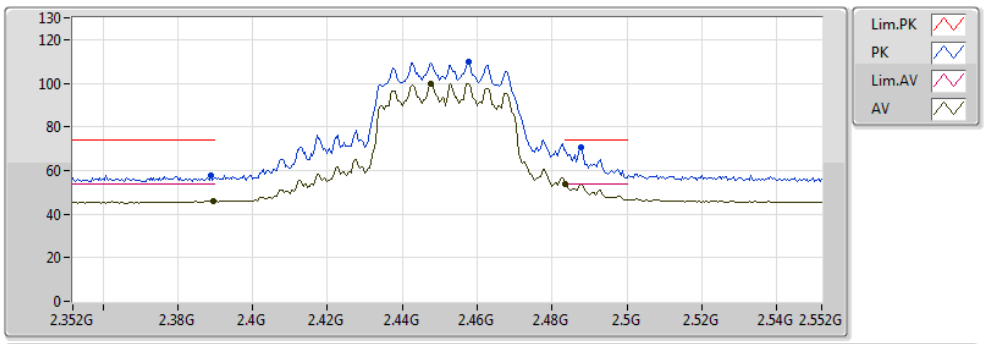
RE TX above 1GHz;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2452MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:11
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3824G	45.29	54.00	-8.71	32.66	3	V	255	2.72	-
AV	2.4472G	98.04	Inf	-Inf	32.73	3	V	255	2.72	-
AV	2.4844G	52.01	54.00	-1.99	32.78	3	V	255	2.72	-
PK	2.384G	56.84	74.00	-17.16	32.67	3	V	255	2.72	-
PK	2.4576G	106.94	Inf	-Inf	32.74	3	V	255	2.72	-
PK	2.4844G	69.72	74.00	-4.28	32.78	3	V	255	2.72	-

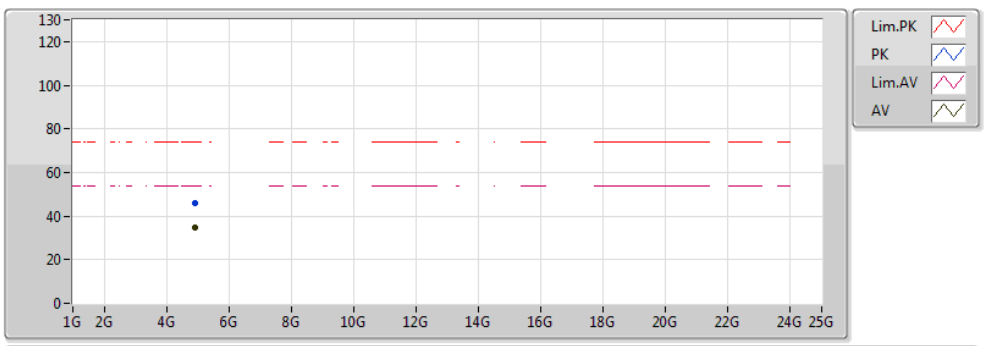
RE TX above 1GHz;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2452MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:11
04-N-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	45.82	54.00	-8.18	32.67	3	H	197	1.60	-
AV	2.4476G	99.90	Inf	-Inf	32.73	3	H	197	1.60	-
AV	2.4836G	53.95	54.00	-0.05	32.78	3	H	197	1.60	-
PK	2.3888G	57.46	74.00	-16.54	32.67	3	H	197	1.60	-
PK	2.4576G	109.79	Inf	-Inf	32.74	3	H	197	1.60	-
PK	2.4876G	70.59	74.00	-3.41	32.78	3	H	197	1.60	-

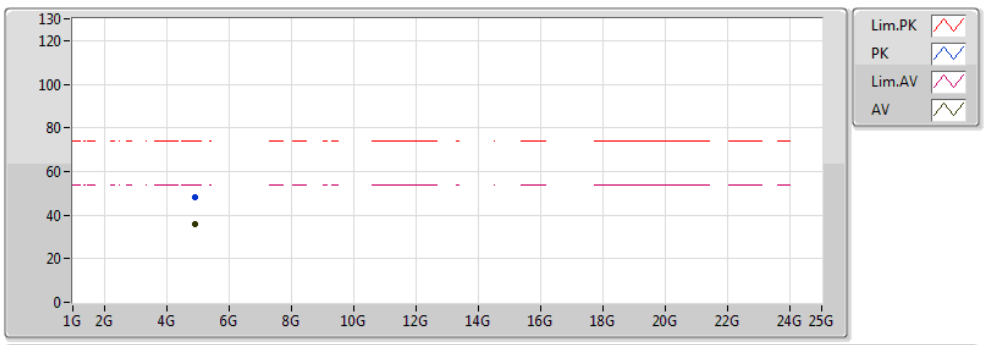
RE TX above 1GHz;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2452MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:11
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.914G	34.74	54.00	-19.26	3.95	3	V	187	2.21	-
PK	4.91396G	45.85	74.00	-28.15	3.95	3	V	187	2.21	-

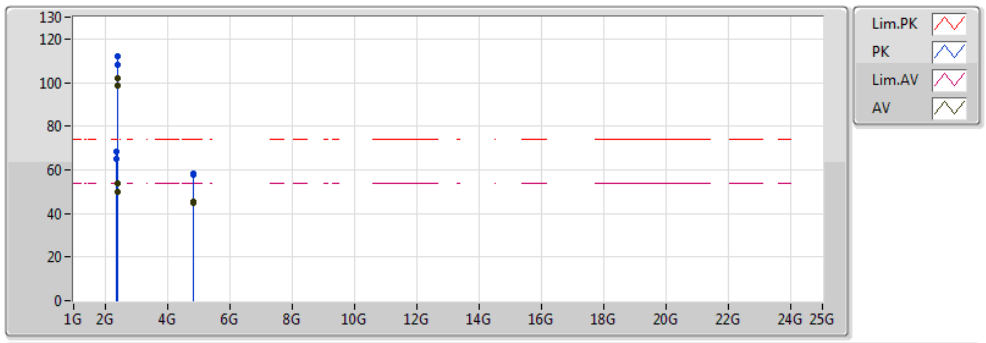
RE TX above 1GHz;Band:2.4G;VHT40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2452MHz;TX



20161118
EUT X 4TX non-TXBF
Setting:11
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.90444G	35.87	54.00	-18.13	3.92	3	H	25	2.47	-
PK	4.89944G	48.11	74.00	-25.89	3.91	3	H	25	2.47	-

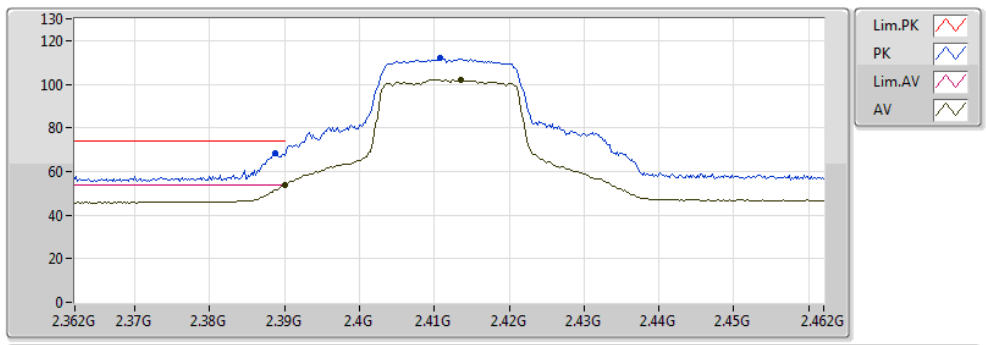
RE TX above 1GHz;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2412MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting:18.5
04-Z-1

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	49.75	54.00	-4.25	32.67	3	H	332	1.51	-
AV	2.4096G	98.51	Inf	-Inf	32.68	3	H	332	1.51	-
PK	2.3886G	65.26	74.00	-8.74	32.67	3	H	332	1.51	-
PK	2.411G	107.97	Inf	-Inf	32.68	3	H	332	1.51	-
AV	2.39G	53.71	54.00	-0.29	32.67	3	V	107	1.31	-
AV	2.4136G	102.06	Inf	-Inf	32.69	3	V	107	1.31	-
PK	2.3888G	68.53	74.00	-5.47	32.67	3	V	107	1.31	-
PK	2.4108G	111.81	Inf	-Inf	32.68	3	V	107	1.31	-
AV	4.81972G	44.92	54.00	-9.08	3.69	3	H	157	1.50	-
PK	4.81792G	57.96	74.00	-16.04	3.68	3	H	157	1.50	-
AV	4.81764G	45.23	54.00	-8.77	3.68	3	V	168	1.50	-
PK	4.82608G	58.33	74.00	-15.67	3.70	3	V	168	1.50	-

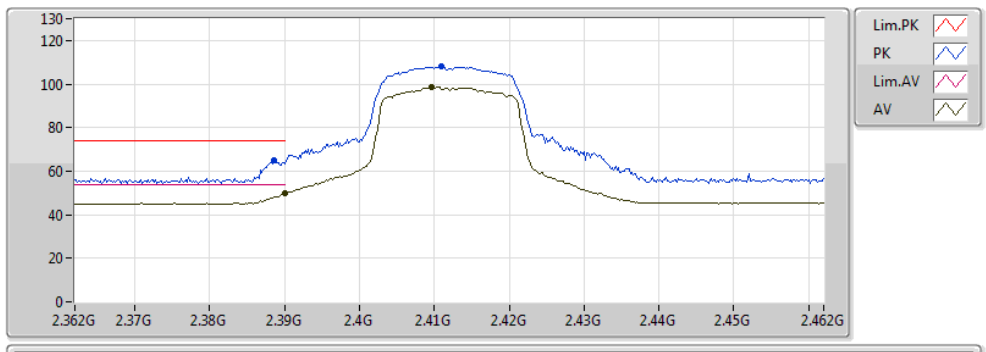
RE TX above 1GHz;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2412MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting:18.5
04-Z-1

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	53.71	54.00	-0.29	32.67	3	V	107	1.31	-
AV	2.4136G	102.06	Inf	-Inf	32.69	3	V	107	1.31	-
PK	2.3888G	68.53	74.00	-5.47	32.67	3	V	107	1.31	-
PK	2.4108G	111.81	Inf	-Inf	32.68	3	V	107	1.31	-

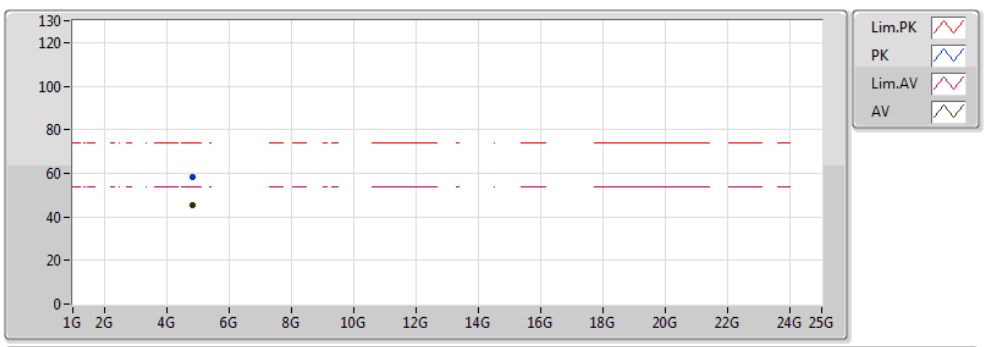
RE TX above 1GHz;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2412MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting:18.5
04-Z-1

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	49.75	54.00	-4.25	32.67	3	H	332	1.51	-
AV	2.4096G	98.51	Inf	-Inf	32.68	3	H	332	1.51	-
PK	2.3886G	65.26	74.00	-8.74	32.67	3	H	332	1.51	-
PK	2.411G	107.97	Inf	-Inf	32.68	3	H	332	1.51	-

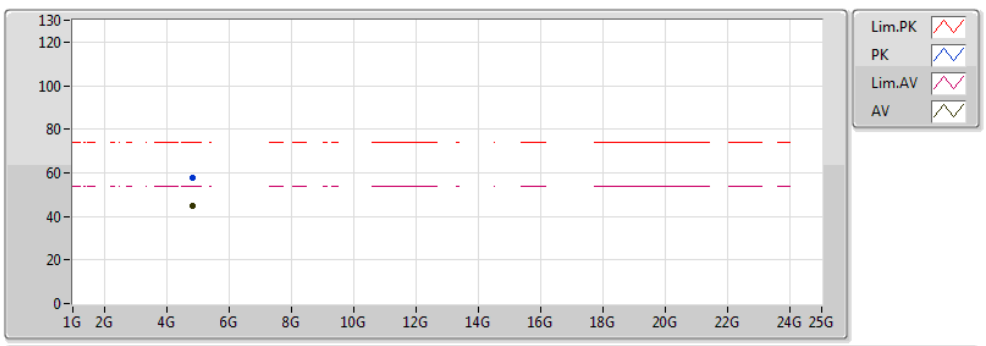
RE TX above 1GHz;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2412MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting:18.5
04-Z-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.81764G	45.23	54.00	-8.77	3.68	3	V	168	1.50	-
PK	4.82608G	58.33	74.00	-15.67	3.70	3	V	168	1.50	-

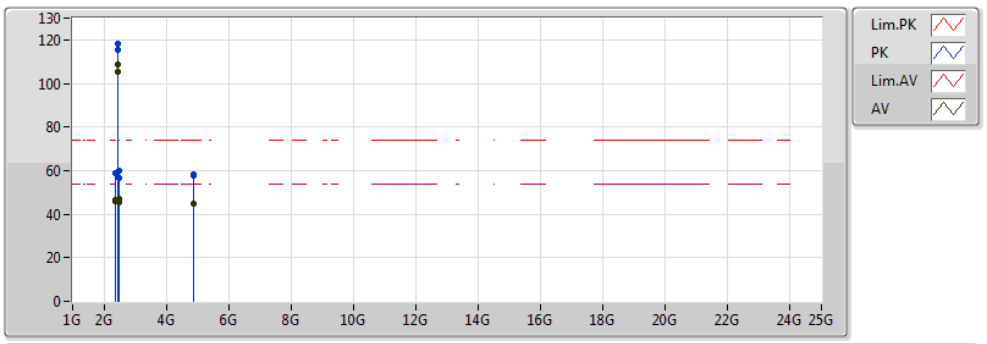
RE TX above 1GHz;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2412MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting:18.5
04-Z-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.81972G	44.92	54.00	-9.08	3.69	3	H	157	1.50	-
PK	4.81792G	57.96	74.00	-16.04	3.68	3	H	157	1.50	-

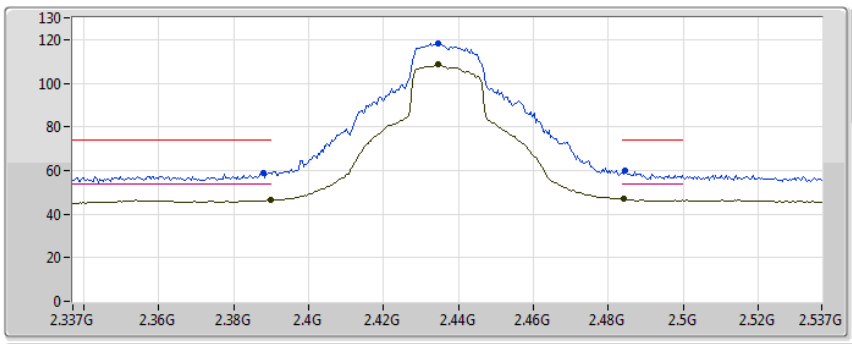
RE TX above 1GHz;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting:63
04-Z-1

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	45.97	54.00	-8.03	32.67	3	H	55	1.98	-
AV	2.4314G	105.44	Inf	-Inf	32.71	3	H	55	1.98	-
AV	2.4838G	45.42	54.00	-8.58	32.78	3	H	55	1.98	-
PK	2.3894G	58.73	74.00	-15.27	32.67	3	H	55	1.98	-
PK	2.4326G	115.24	Inf	-Inf	32.71	3	H	55	1.98	-
PK	2.495G	56.69	74.00	-17.31	32.79	3	H	55	1.98	-
AV	2.3898G	46.42	54.00	-7.58	32.67	3	V	289	1.05	-
AV	2.4346G	108.49	Inf	-Inf	32.71	3	V	289	1.05	-
AV	2.4842G	46.80	54.00	-7.20	32.78	3	V	289	1.05	-
PK	2.3878G	58.84	74.00	-15.16	32.67	3	V	289	1.05	-
PK	2.4346G	118.02	Inf	-Inf	32.71	3	V	289	1.05	-
PK	2.4846G	60.12	74.00	-13.88	32.78	3	V	289	1.05	-
AV	4.88208G	44.70	54.00	-9.30	3.86	3	H	88	2.04	-
PK	4.87772G	58.30	74.00	-15.70	3.85	3	H	88	2.04	-
AV	4.88276G	44.65	54.00	-9.35	3.86	3	V	59	1.27	-
PK	4.8772G	57.57	74.00	-16.43	3.85	3	V	59	1.27	-

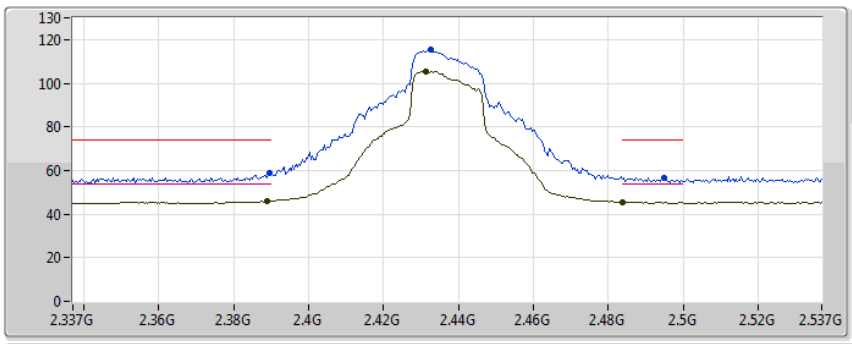
RE TX above 1GHz;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting:63
04-Z-1

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	46.42	54.00	-7.58	32.67	3	V	289	1.05	-
AV	2.4346G	108.49	Inf	-Inf	32.71	3	V	289	1.05	-
AV	2.4842G	46.80	54.00	-7.20	32.78	3	V	289	1.05	-
PK	2.3878G	58.84	74.00	-15.16	32.67	3	V	289	1.05	-
PK	2.4346G	118.02	Inf	-Inf	32.71	3	V	289	1.05	-
PK	2.4846G	60.12	74.00	-13.88	32.78	3	V	289	1.05	-

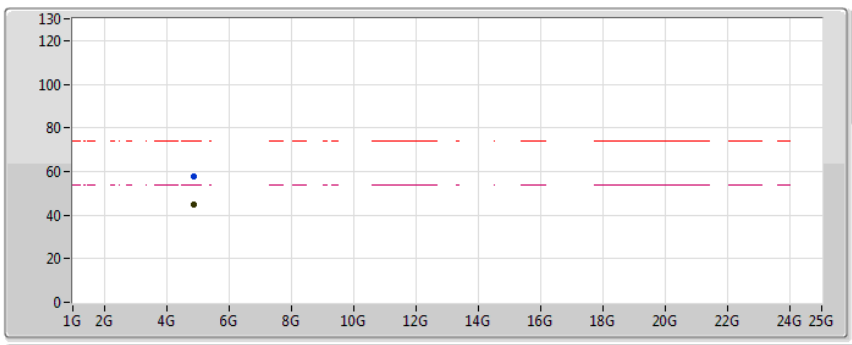
RE TX above 1GHz;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting:63
04-Z-1

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	45.97	54.00	-8.03	32.67	3	H	55	1.98	-
AV	2.4314G	105.44	Inf	-Inf	32.71	3	H	55	1.98	-
AV	2.4838G	45.42	54.00	-8.58	32.78	3	H	55	1.98	-
PK	2.3894G	58.73	74.00	-15.27	32.67	3	H	55	1.98	-
PK	2.4326G	115.24	Inf	-Inf	32.71	3	H	55	1.98	-
PK	2.495G	56.69	74.00	-17.31	32.79	3	H	55	1.98	-

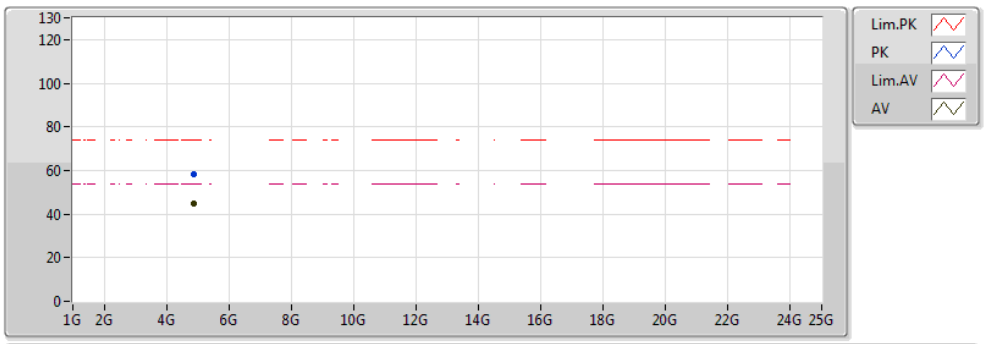
RE TX above 1GHz;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting:63
04-Z-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.88276G	44.65	54.00	-9.35	3.86	3	V	59	1.27	-
PK	4.8772G	57.57	74.00	-16.43	3.85	3	V	59	1.27	-

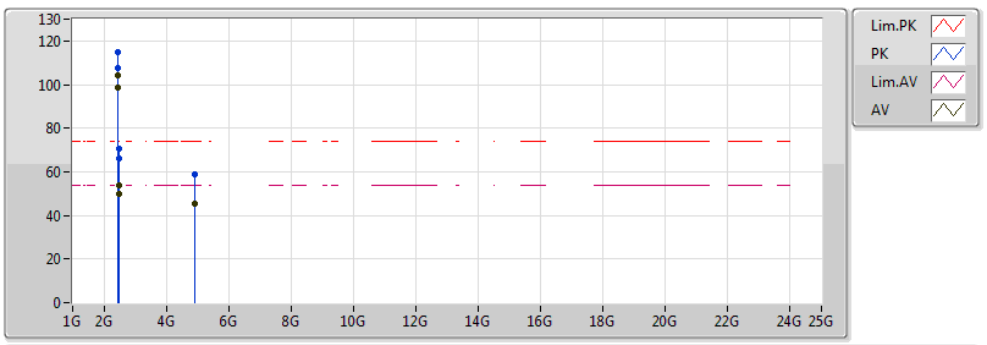
RE TX above 1GHz;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting:63
04-Z-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.88208G	44.70	54.00	-9.30	3.86	3	H	88	2.04	-
PK	4.87772G	58.30	74.00	-15.70	3.85	3	H	88	2.04	-

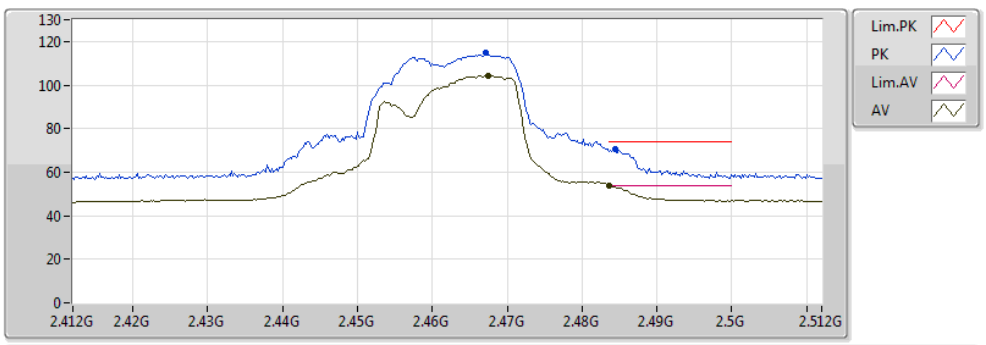
RE TX above 1GHz;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2462MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting 18
04-Z-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4536G	98.40	Inf	-Inf	32.74	3	H	288	2.24	-
AV	2.4836G	49.96	54.00	-4.04	32.78	3	H	288	2.24	-
PK	2.4538G	107.41	Inf	-Inf	32.74	3	H	288	2.24	-
PK	2.4846G	66.39	74.00	-7.61	32.78	3	H	288	2.24	-
AV	2.4674G	104.30	Inf	-Inf	32.76	3	V	4	2.44	-
AV	2.4836G	53.73	54.00	-0.27	32.78	3	V	4	2.44	-
PK	2.4672G	114.76	Inf	-Inf	32.76	3	V	4	2.44	-
PK	2.4844G	70.49	74.00	-3.51	32.78	3	V	4	2.44	-
AV	4.91636G	45.22	54.00	-8.78	3.96	3	H	354	1.89	-
PK	4.92876G	58.90	74.00	-15.10	3.99	3	H	354	1.89	-
AV	4.92744G	45.20	54.00	-8.80	3.99	3	V	250	1.26	-
PK	4.92952G	59.04	74.00	-14.96	4.00	3	V	250	1.26	-

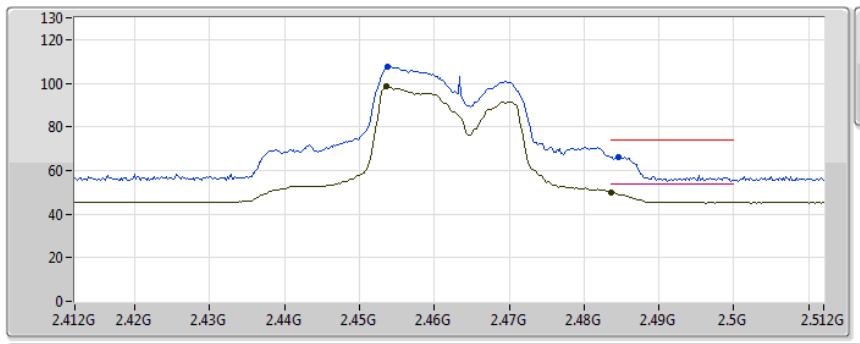
RE TX above 1GHz;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2462MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting 18
04-Z-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4674G	104.30	Inf	-Inf	32.76	3	V	4	2.44	-
AV	2.4836G	53.73	54.00	-0.27	32.78	3	V	4	2.44	-
PK	2.4672G	114.76	Inf	-Inf	32.76	3	V	4	2.44	-
PK	2.4844G	70.49	74.00	-3.51	32.78	3	V	4	2.44	-

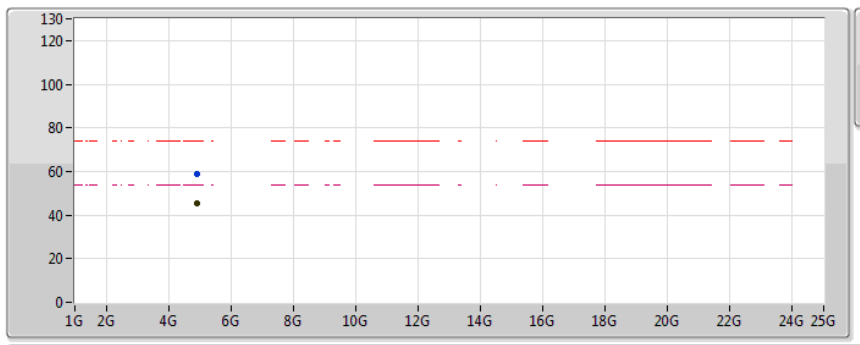
RE TX above 1GHz;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2462MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting 18
04-Z-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4536G	98.40	Inf	-Inf	32.74	3	H	288	2.24	-
AV	2.4836G	49.96	54.00	-4.04	32.78	3	H	288	2.24	-
PK	2.4538G	107.41	Inf	-Inf	32.74	3	H	288	2.24	-
PK	2.4846G	66.39	74.00	-7.61	32.78	3	H	288	2.24	-

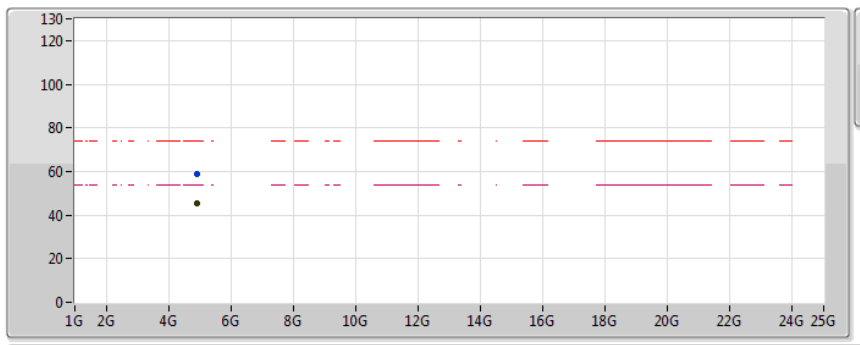
RE TX above 1GHz;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2462MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting 18
04-Z-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.92744G	45.20	54.00	-8.80	3.99	3	V	250	1.26	-
PK	4.92952G	59.04	74.00	-14.96	4.00	3	V	250	1.26	-

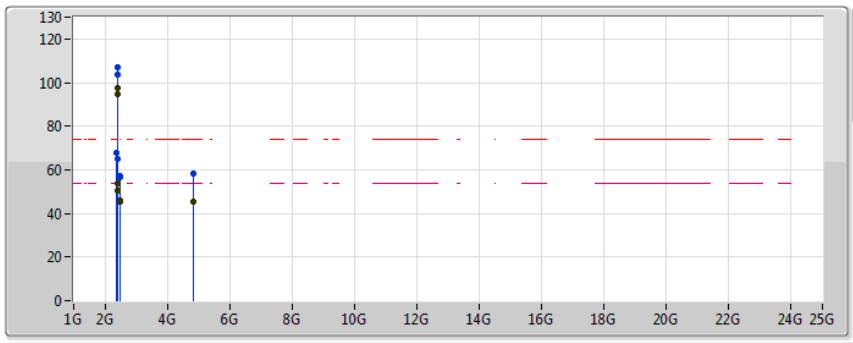
RE TX above 1GHz;Band:2.4G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:2462MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting 18
04-Z-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.91636G	45.22	54.00	-8.78	3.96	3	H	354	1.89	-
PK	4.92876G	58.90	74.00	-15.10	3.99	3	H	354	1.89	-

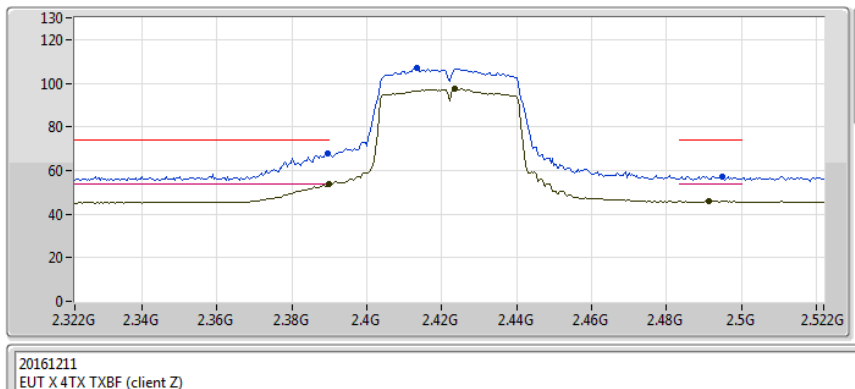
RE TX above 1GHz;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2422MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting 12.5
04-Z-1

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	50.38	54.00	-3.62	32.67	3	H	50	2.18	-
AV	2.4256G	94.45	Inf	-Inf	32.70	3	H	50	2.18	-
AV	2.4936G	45.18	54.00	-8.82	32.79	3	H	50	2.18	-
PK	2.39G	65.21	74.00	-8.79	32.67	3	H	50	2.18	-
PK	2.4276G	103.44	Inf	-Inf	32.71	3	H	50	2.18	-
PK	2.5G	56.56	74.00	-17.44	32.80	3	H	50	2.18	-
AV	2.39G	53.67	54.00	-0.33	32.67	3	V	102	1.33	-
AV	2.4236G	97.37	Inf	-Inf	32.70	3	V	102	1.33	-
AV	2.4912G	45.79	54.00	-8.21	32.79	3	V	102	1.33	-
PK	2.3896G	68.08	74.00	-5.92	32.67	3	V	102	1.33	-
PK	2.4132G	106.97	Inf	-Inf	32.69	3	V	102	1.33	-
PK	2.4948G	57.39	74.00	-16.61	32.79	3	V	102	1.33	-
AV	4.82592G	45.44	54.00	-8.56	3.70	3	H	46	1.83	-
PK	4.83864G	58.33	74.00	-15.67	3.74	3	H	46	1.83	-
AV	4.8312G	45.42	54.00	-8.58	3.72	3	V	113	2.40	-
PK	4.83056G	58.49	74.00	-15.51	3.72	3	V	113	2.40	-

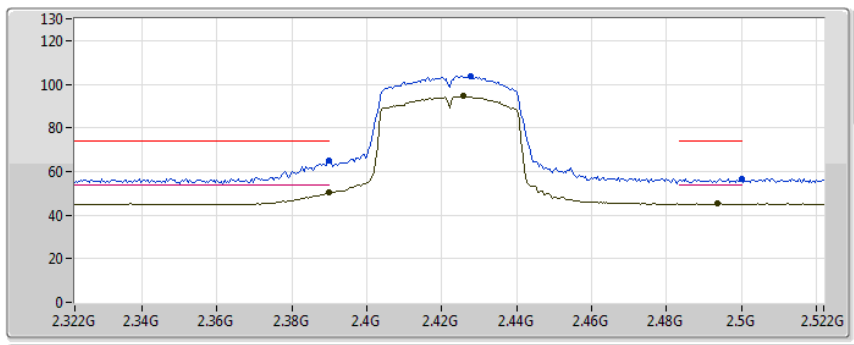
RE TX above 1GHz;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2422MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting 12.5
04-Z-1

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	53.67	54.00	-0.33	32.67	3	V	102	1.33	-
AV	2.4236G	97.37	Inf	-Inf	32.70	3	V	102	1.33	-
AV	2.4912G	45.79	54.00	-8.21	32.79	3	V	102	1.33	-
PK	2.3896G	68.08	74.00	-5.92	32.67	3	V	102	1.33	-
PK	2.4132G	106.97	Inf	-Inf	32.69	3	V	102	1.33	-
PK	2.4948G	57.39	74.00	-16.61	32.79	3	V	102	1.33	-

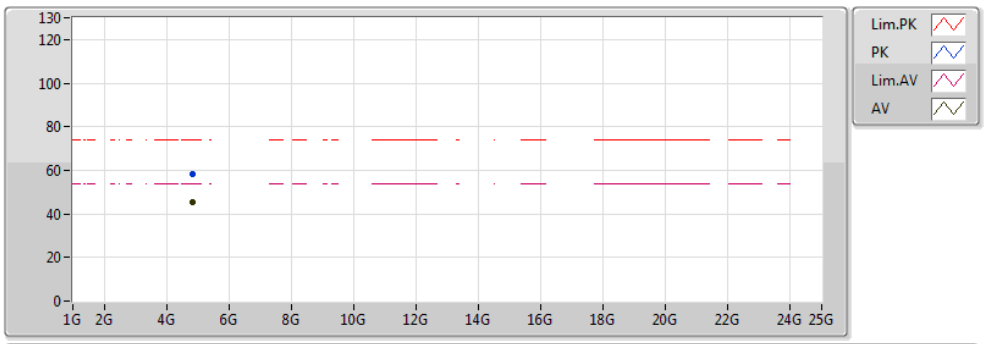
RE TX above 1GHz;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2422MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting 12.5
04-Z-1

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	50.38	54.00	-3.62	32.67	3	H	50	2.18	-
AV	2.4256G	94.45	Inf	-Inf	32.70	3	H	50	2.18	-
AV	2.4936G	45.18	54.00	-8.82	32.79	3	H	50	2.18	-
PK	2.39G	65.21	74.00	-8.79	32.67	3	H	50	2.18	-
PK	2.4276G	103.44	Inf	-Inf	32.71	3	H	50	2.18	-
PK	2.5G	56.56	74.00	-17.44	32.80	3	H	50	2.18	-

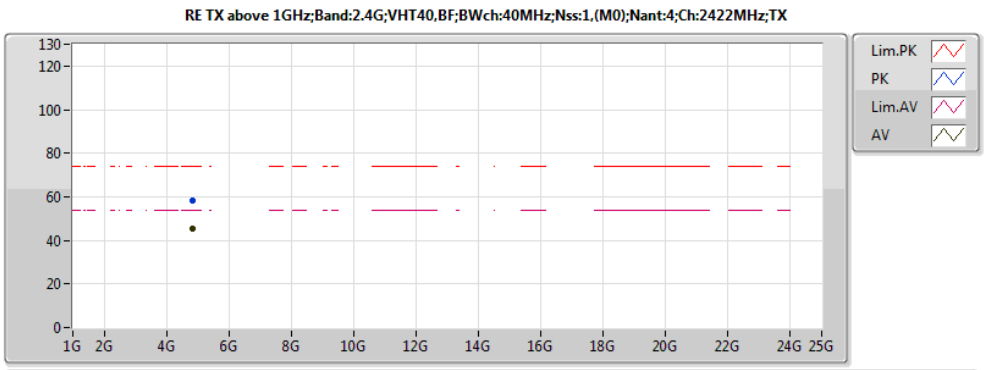
RE TX above 1GHz;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2422MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting 12.5
04-Z-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.8312G	45.42	54.00	-8.58	3.72	3	V	113	2.40	-
PK	4.83056G	58.49	74.00	-15.51	3.72	3	V	113	2.40	-

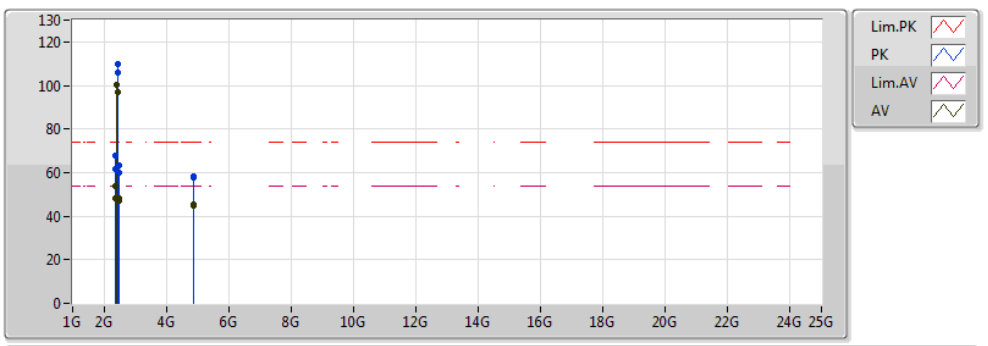
RE TX above 1GHz;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2422MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting 12.5
04-Z-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.82592G	45.44	54.00	-8.56	3.70	3	H	46	1.83	-
PK	4.83864G	58.33	74.00	-15.67	3.74	3	H	46	1.83	-

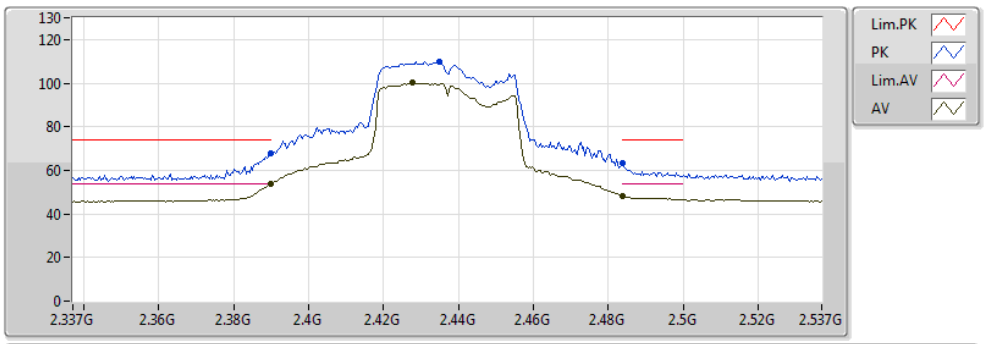
RE TX above 1GHz;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting 18
04-Z-1

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	48.29	54.00	-5.71	32.67	3	H	102	46	-
AV	2.447G	96.84	Inf	-Inf	32.73	3	H	102	46	-
AV	2.4838G	47.16	54.00	-6.84	32.78	3	H	102	46	-
PK	2.3898G	61.74	74.00	-12.26	32.67	3	H	102	46	-
PK	2.433G	106.02	Inf	-Inf	32.71	3	H	102	46	-
PK	2.4862G	59.80	74.00	-14.20	32.78	3	H	102	46	-
AV	2.3898G	53.61	54.00	-0.39	32.67	3	V	354	1.29	-
AV	2.4278G	100.06	Inf	-Inf	32.71	3	V	354	1.29	-
AV	2.4838G	47.99	54.00	-6.01	32.78	3	V	354	1.29	-
PK	2.3898G	67.72	74.00	-6.28	32.67	3	V	354	1.29	-
PK	2.435G	110.10	Inf	-Inf	32.72	3	V	354	1.29	-
PK	2.4838G	63.33	74.00	-10.67	32.78	3	V	354	1.29	-
AV	4.89072G	45.38	54.00	-8.62	3.88	3	H	339	1.08	-
PK	4.87288G	57.76	74.00	-16.24	3.83	3	H	339	1.08	-
AV	4.8904G	44.91	54.00	-9.09	3.88	3	V	187	1.41	-
PK	4.89248G	58.19	74.00	-15.81	3.89	3	V	187	1.41	-

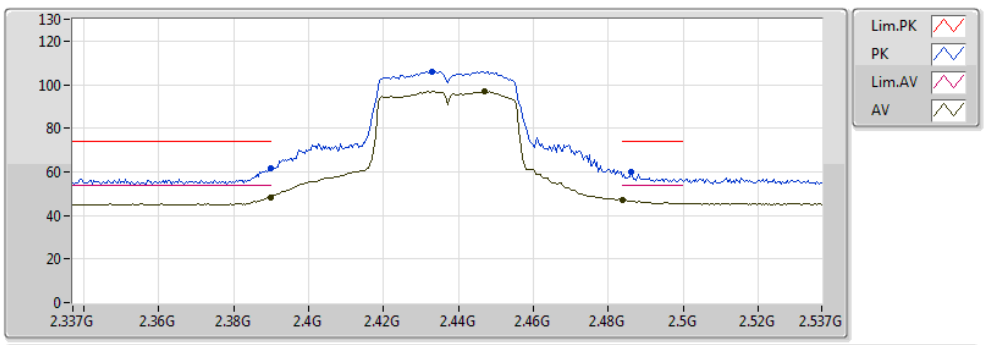
RE TX above 1GHz;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting 18
04-Z-1

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	53.61	54.00	-0.39	32.67	3	V	354	1.29	-
AV	2.4278G	100.06	Inf	-Inf	32.71	3	V	354	1.29	-
AV	2.4838G	47.99	54.00	-6.01	32.78	3	V	354	1.29	-
PK	2.3898G	67.72	74.00	-6.28	32.67	3	V	354	1.29	-
PK	2.435G	110.10	Inf	-Inf	32.72	3	V	354	1.29	-
PK	2.4838G	63.33	74.00	-10.67	32.78	3	V	354	1.29	-

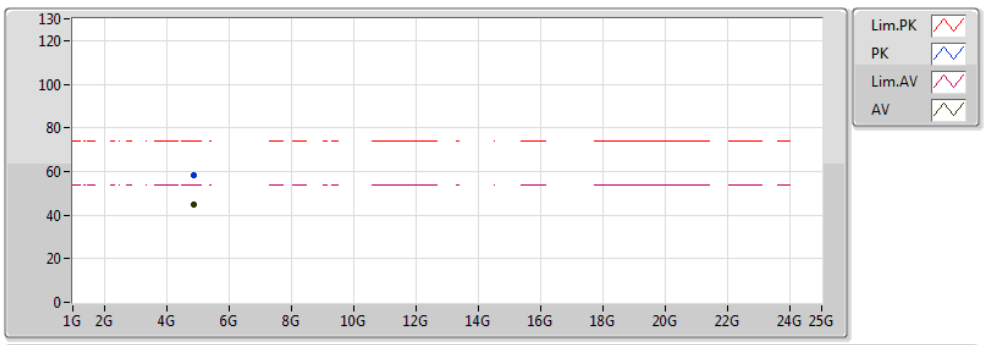
RE TX above 1GHz;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting 18
04-Z-1

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	48.29	54.00	-5.71	32.67	3	H	102	46	-
AV	2.447G	96.84	Inf	-Inf	32.73	3	H	102	46	-
AV	2.4838G	47.16	54.00	-6.84	32.78	3	H	102	46	-
PK	2.3898G	61.74	74.00	-12.26	32.67	3	H	102	46	-
PK	2.433G	106.02	Inf	-Inf	32.71	3	H	102	46	-
PK	2.4862G	59.80	74.00	-14.20	32.78	3	H	102	46	-

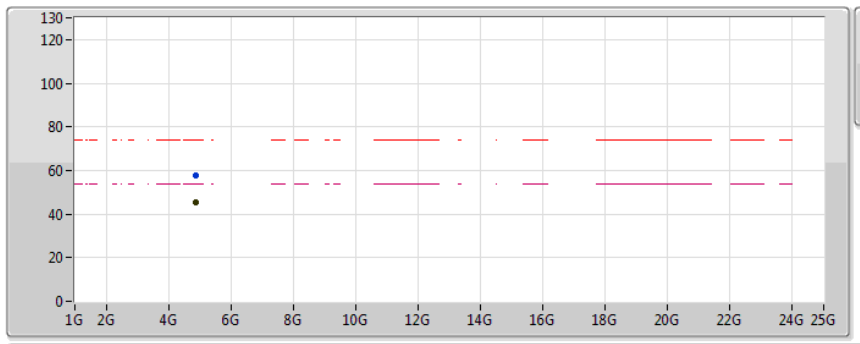
RE TX above 1GHz;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting 18
04-Z-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.8904G	44.91	54.00	-9.09	3.88	3	V	187	1.41	-
PK	4.89248G	58.19	74.00	-15.81	3.89	3	V	187	1.41	-

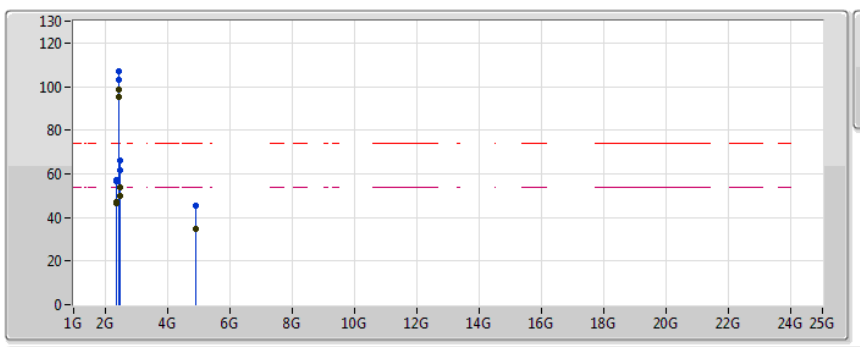
RE TX above 1GHz;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2437MHz;TX



20161211
EUT X 4TX TXBF (client Z)
Setting 18
04-Z-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.89072G	45.38	54.00	-8.62	3.88	3	H	339	1.08	-
PK	4.87288G	57.76	74.00	-16.24	3.83	3	H	339	1.08	-

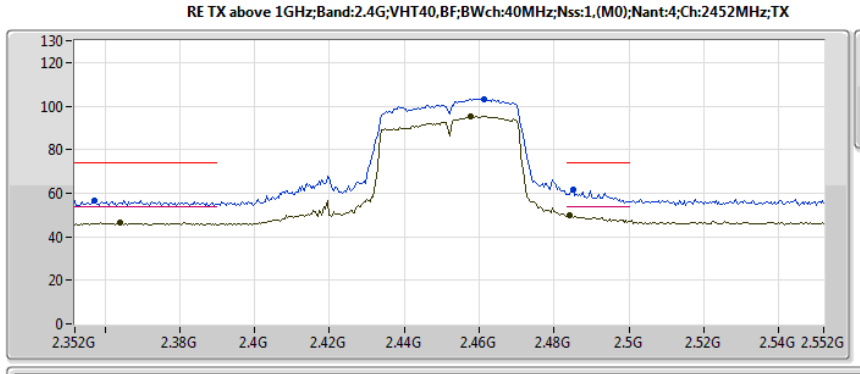
RE TX above 1GHz;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2452MHz;TX



20161206
EUT X 4TX TXBF (client Z)
Setting 13
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3692G	46.84	54.00	-7.16	32.66	3	H	172	2.54	-
AV	2.4428G	98.66	Inf	-Inf	32.73	3	H	172	2.54	-
AV	2.4836G	53.80	54.00	-0.20	32.78	3	H	172	2.54	-
PK	2.3868G	57.15	74.00	-16.85	32.67	3	H	172	2.54	-
PK	2.4468G	106.97	Inf	-Inf	32.73	3	H	172	2.54	-
PK	2.4836G	66.36	74.00	-7.64	32.78	3	H	172	2.54	-
AV	2.364G	46.52	54.00	-7.48	32.66	3	V	96	1.50	-
AV	2.4576G	95.39	Inf	-Inf	32.74	3	V	96	1.50	-
AV	2.484G	49.91	54.00	-4.09	32.78	3	V	96	1.50	-
PK	2.3572G	56.85	74.00	-17.15	32.66	3	V	96	1.50	-
PK	2.4612G	103.33	Inf	-Inf	32.75	3	V	96	1.50	-
PK	2.4852G	61.75	74.00	-12.25	32.78	3	V	96	1.50	-
AV	4.89652G	34.97	54.00	-19.03	-8.65	3	H	3	1.50	-
PK	4.90608G	45.56	74.00	-28.44	-8.63	3	H	3	1.50	-
AV	4.9132G	34.92	54.00	-19.08	-8.61	3	V	268	1.50	-
PK	4.91192G	45.38	74.00	-28.62	-8.61	3	V	268	1.50	-

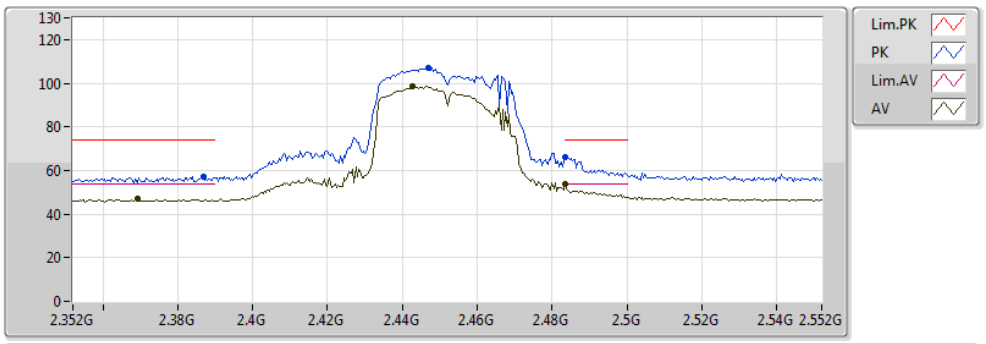
RE TX above 1GHz;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2452MHz;TX



20161206
EUT X 4TX TXBF (client Z)
Setting 13
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.364G	46.52	54.00	-7.48	32.66	3	V	96	1.50	-
AV	2.4576G	95.39	Inf	-Inf	32.74	3	V	96	1.50	-
AV	2.484G	49.91	54.00	-4.09	32.78	3	V	96	1.50	-
PK	2.3572G	56.85	74.00	-17.15	32.66	3	V	96	1.50	-
PK	2.4612G	103.33	Inf	-Inf	32.75	3	V	96	1.50	-
PK	2.4852G	61.75	74.00	-12.25	32.78	3	V	96	1.50	-

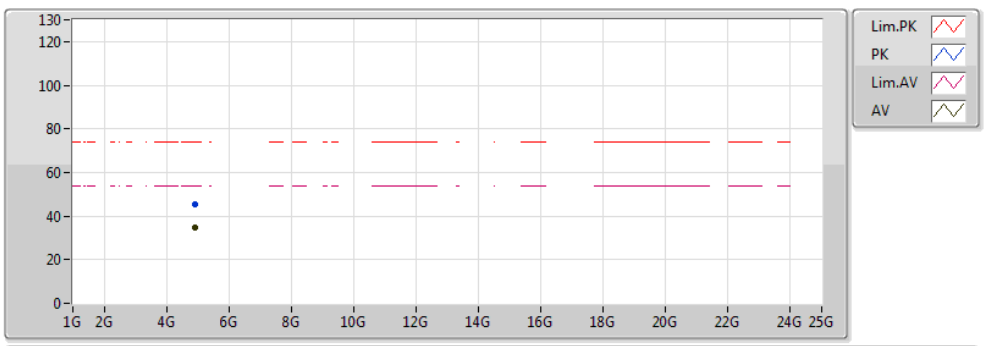
RE TX above 1GHz;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2452MHz;TX



20161206
EUT X 4TX TXBF (client Z)
Setting 13
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3692G	46.84	54.00	-7.16	32.66	3	H	172	2.54	-
AV	2.4428G	98.66	Inf	-Inf	32.73	3	H	172	2.54	-
AV	2.4836G	53.80	54.00	-0.20	32.78	3	H	172	2.54	-
PK	2.3868G	57.15	74.00	-16.85	32.67	3	H	172	2.54	-
PK	2.4468G	106.97	Inf	-Inf	32.73	3	H	172	2.54	-
PK	2.4836G	66.36	74.00	-7.64	32.78	3	H	172	2.54	-

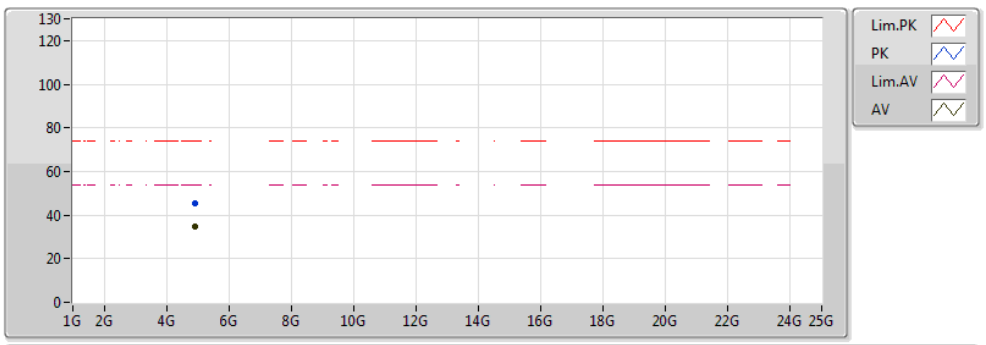
RE TX above 1GHz;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2452MHz;TX



20161206
EUT X 4TX TXBF (client Z)
Setting 13
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.9132G	34.92	54.00	-19.08	-8.61	3	V	268	1.50	-
PK	4.91192G	45.38	74.00	-28.62	-8.61	3	V	268	1.50	-

RE TX above 1GHz;Band:2.4G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:2452MHz;TX



20161206
EUT X 4TX TXBF (client Z)
Setting 13
04-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.89652G	34.97	54.00	-19.03	-8.65	3	H	3	1.50	-
PK	4.90608G	45.56	74.00	-28.44	-8.63	3	H	3	1.50	-