

FCC Test Report

Equipment : Computer
Brand Name : Advantech
Model No. : DLT-V4108xxxxxxxxxx (where "x" may be any alphanumeric character, "-" or blank.)
FCC ID : M82-DLV4108
Standard : 47 CFR FCC Part 15.247
RF Specification : Wi-Fi
Frequency : 2400 MHz – 2483.5 MHz
FCC Classification : DTS
Applicant / Manufacturer : Advantech Co., Ltd.
No.1, Alley 20, Lane 26, Rueiguang Rd., Neihu District, Taipei City, Taiwan, R.O.C.

The product sample received on Dec. 26, 2016 and completely tested on Jan. 11, 2017. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Reviewed by:


Phoenix Chen / Assistant Manager





Table of Contents

1	GENERAL DESCRIPTION	5
1.1	Information.....	5
1.2	Testing Applied Standards	6
1.3	Testing Location Information	7
1.4	Measurement Uncertainty	7
2	TEST CONFIGURATION OF EUT.....	8
2.1	Test Condition	8
2.2	Test Channel Mode	8
2.3	The Worst Case Measurement Configuration.....	9
2.4	Accessories and Support Equipment	9
2.5	Test Setup Diagram	10
3	TRANSMITTER TEST RESULT	11
3.1	AC Power-line Conducted Emissions	11
3.2	DTS Bandwidth.....	13
3.3	Fundamental Emission Output Power.....	14
3.4	Power Spectral Density	16
3.5	Emissions in Non-restricted Frequency Bands	18
3.6	Emissions in Restricted Frequency Bands.....	19
4	TEST EQUIPMENT AND CALIBRATION DATA	23
APPENDIX A. TEST RESULT OF EMISSION BANDWIDTH		
APPENDIX B. TEST RESULT OF MAXIMUM CONDUCTED OUTPUT POWER		
APPENDIX C. TEST RESULT OF POWER SPECTRAL DENSITY		
APPENDIX D. TEST RESULT OF EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS		
APPENDIX E. TEST RESULT OF EMISSIONS IN RESTRICTED FREQUENCY BANDS		
APPENDIX F. TEST PHOTOS		
PHOTOGRAPHS OF EUT v01		



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	N/A
3.2	15.247(a)	DTS Bandwidth	≥500kHz	Complied
3.3	15.247(b)	Fundamental Emission 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: > 20 dBc	Complied
3.6	15.247(d)	Emissions in Restricted Frequency Bands	Restricted Bands: FCC 15.209	Complied

1 General Description

1.1 Information

1.1.1 RF General Information

Band	Mode	BWch (MHz)	Channel Number	Nant
2.4-2.4835GHz	802.11b	20	1-11[11]	2TX
2.4-2.4835GHz	802.11g	20	1-11[11]	2TX
2.4-2.4835GHz	802.11n HT20	20	1-11[11]	2TX
2.4-2.4835GHz	802.11n HT40	40	3-9[7]	2TX

Note:

- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Antenna Category	
<input checked="" type="checkbox"/>	Integral antenna (antenna permanently attached)
<input checked="" type="checkbox"/>	Temporary RF connector provided
<input type="checkbox"/>	No temporary RF connector provided Transmit chains bypass antenna and soldered temporary RF connector provided for connected measurement. In case of conducted measurements the transmitter shall be connected to the measuring equipment via a suitable attenuator and correct for all losses in the RF path.
<input checked="" type="checkbox"/>	External antenna (dedicated antennas)
<input checked="" type="checkbox"/>	Single power level with corresponding antenna(s).
<input type="checkbox"/>	Multiple power level and corresponding antenna(s).

Antenna General Information				
No.	Ant. Cat.	Ant. Type	Model No.	Gain (dBi)
1	External	PIFA	MA231.LBC.002	2.84
2	Integral	PCB	DL-WFAK79377500	5.50

Note: The EUT has two antenna configurations.

- Type 1: PCB antenna(port 1)+PCB antenna(port 2)
- Type 2: PIFA antenna(port 1)+PCB antenna(port 2)

1.1.3 Type of EUT

Identify EUT	
EUT Serial Number	N/A
Presentation of Equipment	<input checked="" type="checkbox"/> Production ; <input type="checkbox"/> Pre-Production ; <input type="checkbox"/> Prototype
Type of EUT	
<input checked="" type="checkbox"/>	Stand-alone
<input type="checkbox"/>	Combined (EUT where the radio part is fully integrated within another device) Combined Equipment - Brand Name / Model No.: ...
<input type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems) Host System - Brand Name / Model No.: ...
<input type="checkbox"/>	Other:

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.998	0.009	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.977	0.101	311.25u	10k
802.11n HT20	0.981	0.083	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT40	0.965	0.155	371.875u	3k

1.1.5 EUT Operational Condition

Supply Voltage	<input type="checkbox"/> AC mains	<input checked="" type="checkbox"/> DC	
Type of DC Source	<input type="checkbox"/> External AC Adapter	<input checked="" type="checkbox"/> DC Source	<input type="checkbox"/> Battery

1.1.6 EUT Operate Information

Items	Description			
Beamforming Function	<input type="checkbox"/>	With beamforming	<input checked="" type="checkbox"/>	Without beamforming
Operate Condition	<input checked="" type="checkbox"/>	Point-to-multipoint (P2M)	<input type="checkbox"/>	Point-to-point (P2P)

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
- ♦ KDB 558074 D01 v03r05
- ♦ KDB 662911 D01 v02r01



1.3 Testing Location Information

Testing Location				
<input checked="" type="checkbox"/>	HWA YA	ADD : No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.		
		TEL : 886-3-327-3456	FAX : 886-3-327-0973	
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Ryan	24.5°C / 65%	09/Jan/2017
Radiated	03CH02-HY	Edwen	20.8°C / 55%	11/Jan/2017

Test site registered number [553509] with FCC.

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))

Measurement Uncertainty		
Test Item	Uncertainty	
AC power-line conducted emissions	±2.3 dB	
Emission bandwidth, 6dB bandwidth	±0.6 %	
RF output power, conducted	±0.1 dB	
Power density, conducted	±0.6 dB	
Unwanted emissions, conducted	9 – 150 kHz	±0.4 dB
	0.15 – 30 MHz	±0.4 dB
	30 – 1000 MHz	±0.6 dB
	1 – 18 GHz	±0.5 dB
	18 – 40 GHz	±0.5 dB
	40 – 200 GHz	N/A
All emissions, radiated	9 – 150 kHz	±2.5 dB
	0.15 – 30 MHz	±2.3 dB
	30 – 1000 MHz	±2.6 dB
	1 – 18 GHz	±3.6 dB
	18 – 40 GHz	±3.8 dB
	40 – 200 GHz	N/A
Temperature	±0.8 °C	
Humidity	±5 %	
DC and low frequency voltages	±0.9%	
Time	±1.4 %	
Duty Cycle	±0.6 %	



2 Test Configuration of EUT

2.1 Test Condition

RF Conducted	Abbreviation	Remark
TN,VN	TN	20°C
-	VN	24V




2.2 Test Channel Mode

Test Software Version	ARY2-GUI version 2.3
-----------------------	----------------------

Mode	Power Setting
802.11b_Nss1_2TX	-
2412MHz	16.5
2437MHz	16.5
2462MHz	16
802.11g_Nss1_2TX	-
2412MHz	11.5
2437MHz	20
2462MHz	11.5
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	10.5
2437MHz	19
2462MHz	11.5
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	7.5
2437MHz	11.5
2452MHz	8

2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth, Fundamental Emission 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.		
User Position	<input type="checkbox"/> EUT will be placed in fixed position.		
	<input checked="" type="checkbox"/> EUT will be placed in mobile position and operating multiple positions.		
	<input type="checkbox"/> EUT will be a hand-held or body-worn battery-powered devices and operating multiple positions.		
Operating Mode < 1GHz	<input checked="" type="checkbox"/> 1. DC Source		
Operating Mode > 1GHz	<input checked="" type="checkbox"/> 1. PCB+PCB Mode		
	<input checked="" type="checkbox"/> 2. PCB+PIFA Mode		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT		V (PIFA+PCB)	V (PCB+PCB)

2.4 Accessories and Support Equipment

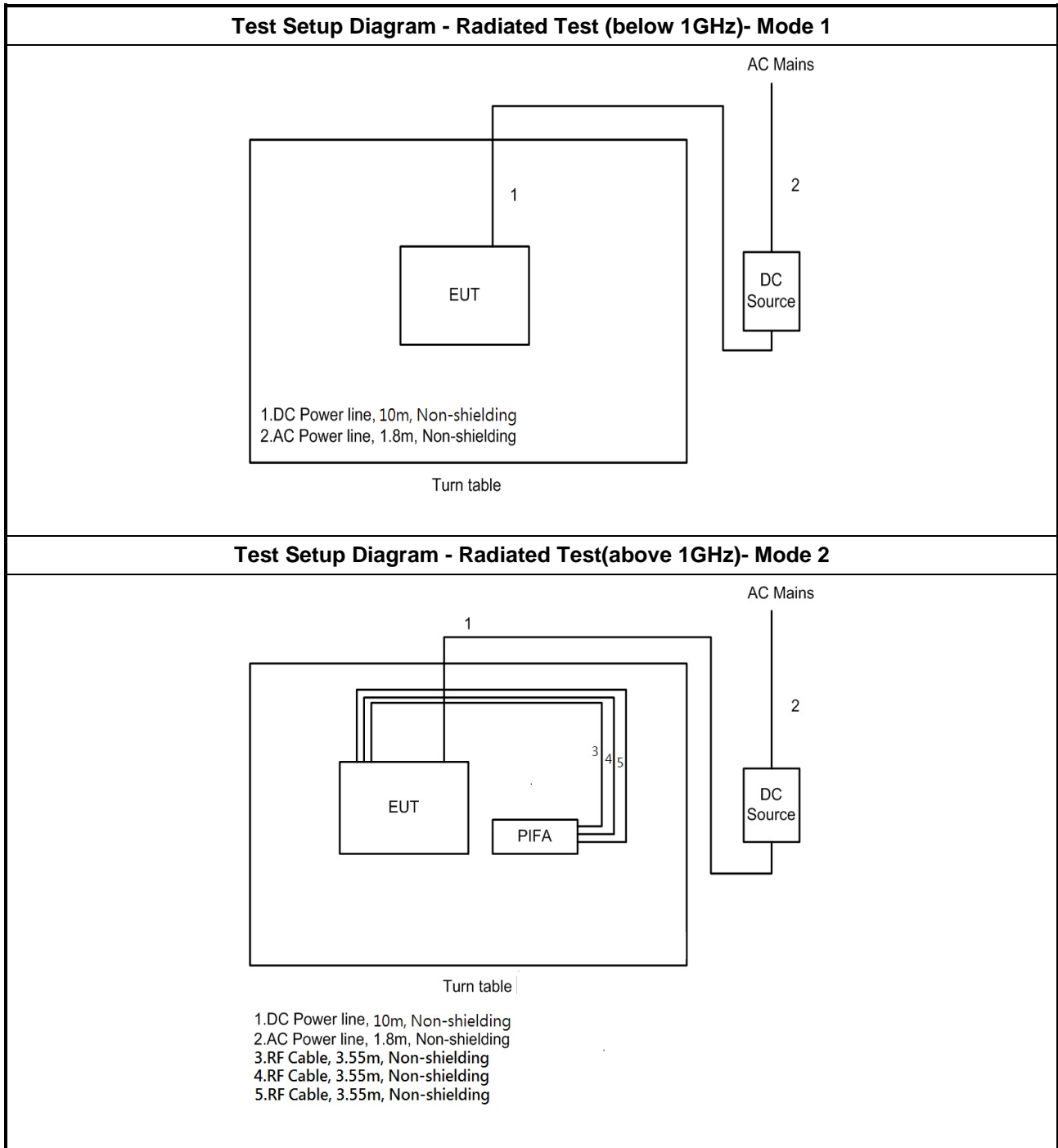
Specification of Accessory		
A cable MDR 50P/BNC+Audio Jack*3+USB-A+D-SUB 9P	Model Name	1700019307

Note: Regarding to more detail and other information, please refer to user manual.

Support Equipment - RF Conducted			
No.	Equipment	Brand Name	Model Name
-	-	-	-

Support Equipment - Radiated Emission			
No.	Equipment	Brand Name	Model Name
-	-	-	-

2.5 Test Setup Diagram



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.

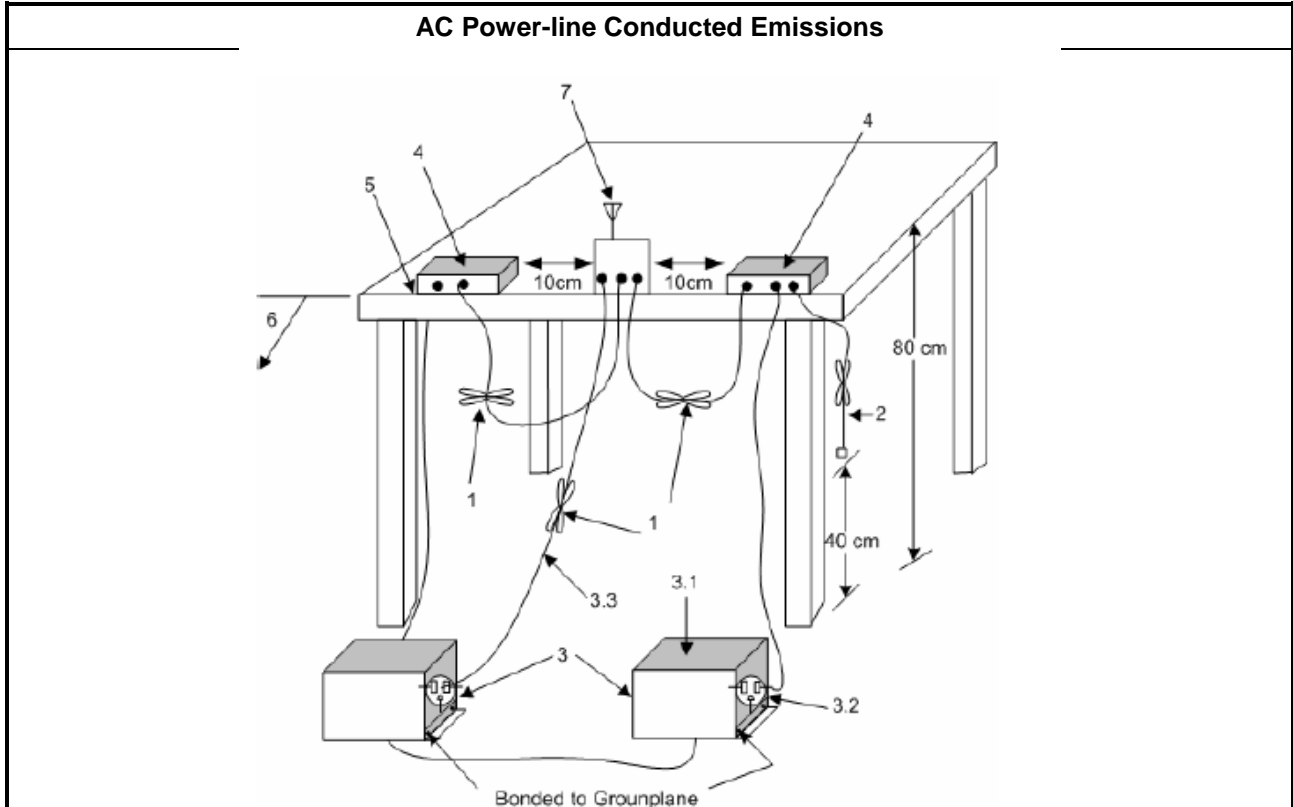
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup





3.1.5 Test Result of AC Power-line Conducted Emissions

Please refer to Part 15.207(c) clause 2.3 which states, “Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines”. Therefore, for this device, AC Power Line Conducted Emissions investigation is not required.

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
<ul style="list-style-type: none"> ▪ 6 dB bandwidth \geq 500 kHz.

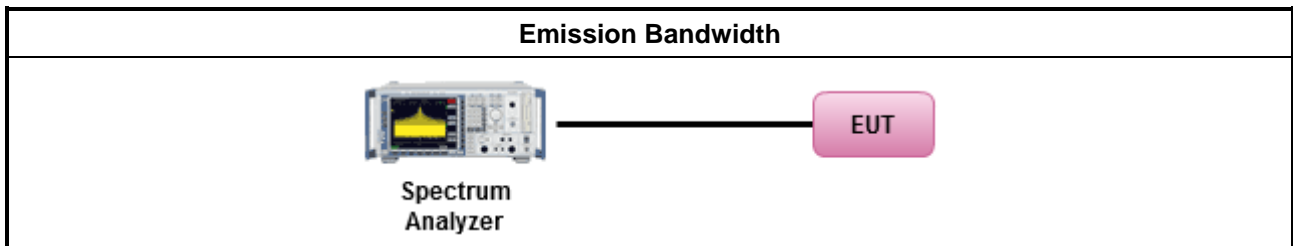
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below:
<input checked="" type="checkbox"/> Refer as KDB 558074, clause 8.1 Option 1 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.3 Fundamental Emission Output Power

3.3.1 Fundamental Emission Output Power Limit

Maximum Peak Conducted Output Power or Maximum Conducted Output Power Limit	
<ul style="list-style-type: none"> ▪ 2400-2483.5 MHz Band: 	
	<ul style="list-style-type: none"> ▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	<ul style="list-style-type: none"> ▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> ▪ Smart antenna system (SAS):
	<ul style="list-style-type: none"> - Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> - Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> - Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
e.i.r.p. Power Limit:	
<ul style="list-style-type: none"> ▪ 2400-2483.5 MHz Band 	
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	<ul style="list-style-type: none"> ▪ Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	<ul style="list-style-type: none"> ▪ Smart antenna system (SAS)
	<ul style="list-style-type: none"> - Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	<ul style="list-style-type: none"> - Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	<ul style="list-style-type: none"> - Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ dBm
<p>P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi. P_{eirp} = e.i.r.p. Power in dBm.</p>	

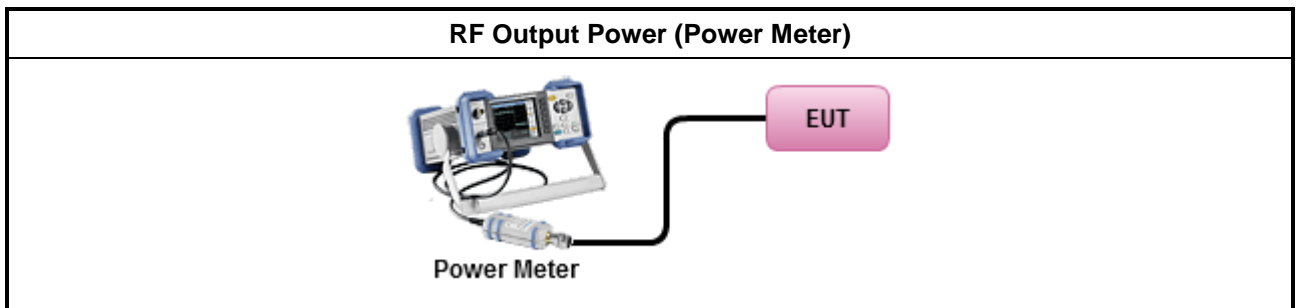
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> Maximum Peak Conducted Output Power 	
<input type="checkbox"/>	Refer as KDB 558074, clause 9.1.1 Option 1. (RBW ≥ EBW method)
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 9.1.2 Option 2. (peak power meter for VBW ≥ DTS BW)
<ul style="list-style-type: none"> Maximum Average Conducted Output Power 	
Duty cycle ≥ 98%	
<input type="checkbox"/>	Refer as KDB 558074, clause 9.2.2.4 Method AVGSA-2. (spectral trace averaging)
Duty cycle < 98%	
<input type="checkbox"/>	Refer as 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	
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 9.2.3 Method AVGPM. (using an RF average power meter)
<ul style="list-style-type: none"> For conducted measurement. 	
<ul style="list-style-type: none"> If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them. 	
<ul style="list-style-type: none"> If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$ 	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit
<ul style="list-style-type: none"> ▪ Power Spectral Density (PSD) \leq 8 dBm/3kHz

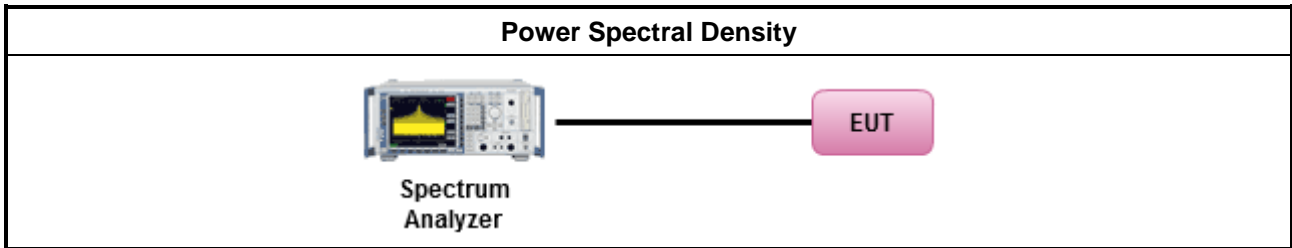
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ 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). 	
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 10.2 Method PKPSD. (RBW=3-100kHz; Detector=peak)
Duty cycle \geq 98%	
<input type="checkbox"/>	Refer as KDB 558074, clause 10.5 Method AVGPSD-2. (spectral trace averaging)
Duty cycle < 98% and average over on/off periods with duty factor	
<input type="checkbox"/>	Refer as KDB 558074, clause 10.6 Method AVGPSD-2 Alt. (slow sweep speed)
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
<ul style="list-style-type: none"> ▪ If The EUT supports multiple transmit chains using options given below: 	
<input checked="" type="checkbox"/>	Option 1: Measure and sum the spectra across the outputs. Refer as 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 N _{TX} output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
<input type="checkbox"/>	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
<input type="checkbox"/>	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix C

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.

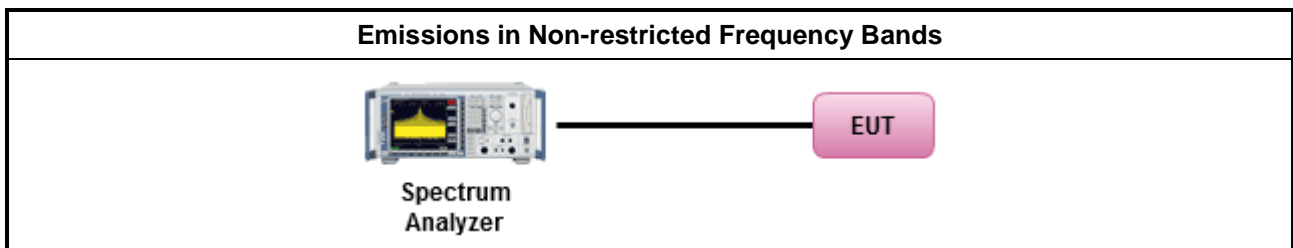
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Refer as KDB 558074, clause 11 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix D

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.

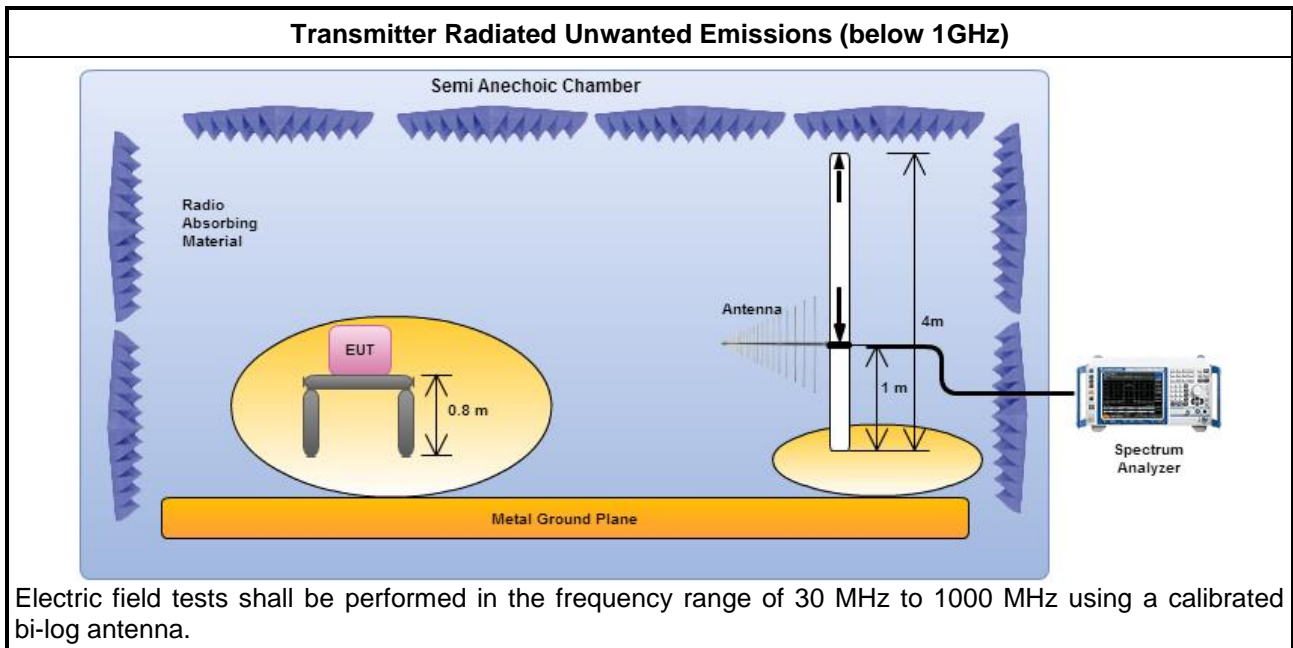
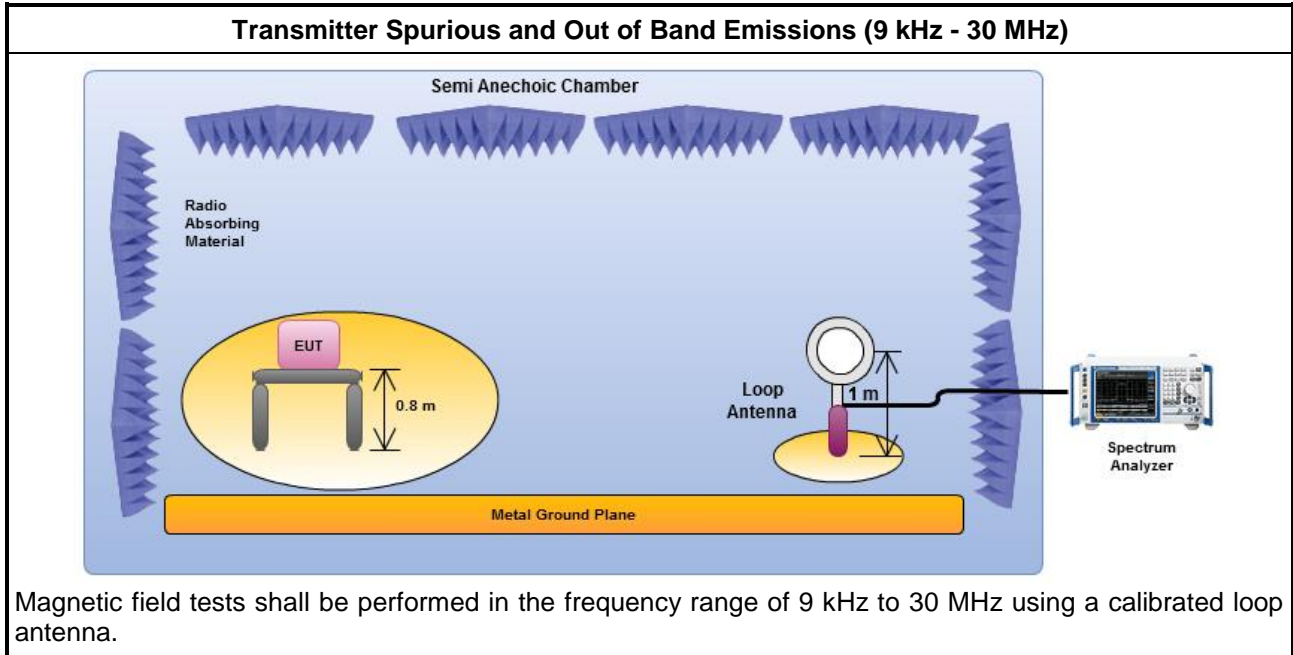
3.6.2 Measuring Instruments

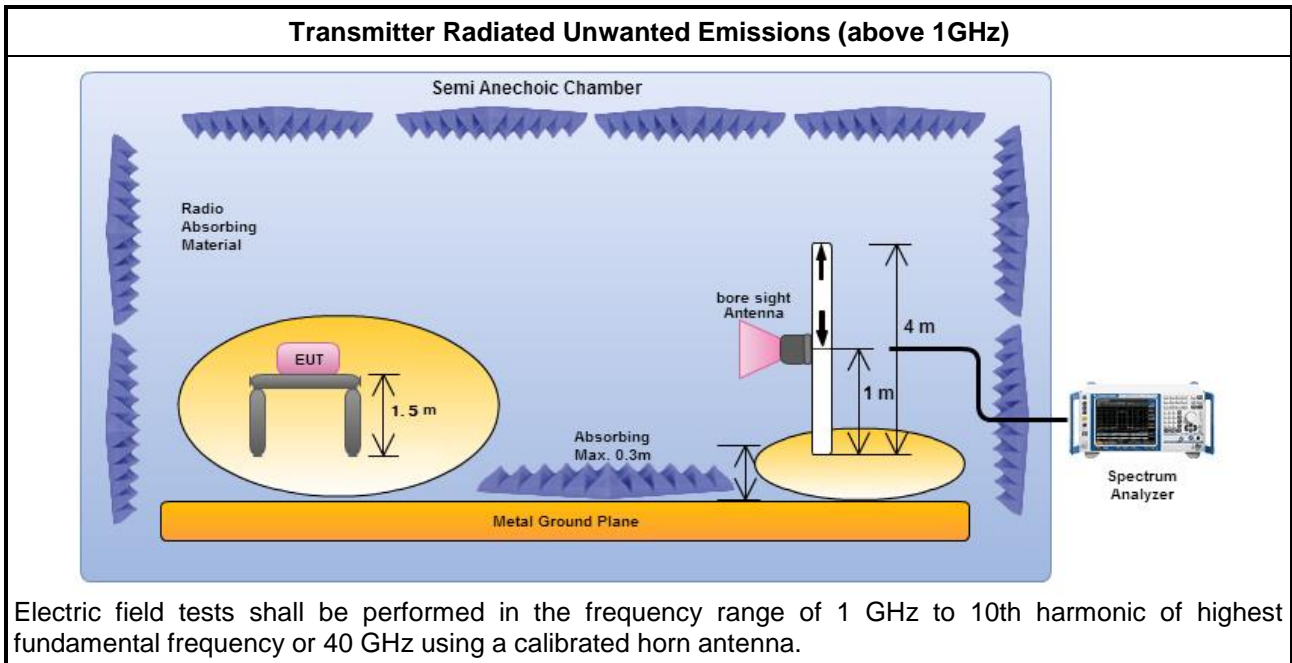
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor]. 	
<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band. 	
<ul style="list-style-type: none"> ▪ For the transmitter unwanted emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ Refer as KDB 558074, clause 12 for unwanted emissions into restricted bands.
<input type="checkbox"/>	Refer as KDB 558074, clause 12.2.5.1 Option 1 (trace averaging for duty cycle $\geq 98\%$)
<input type="checkbox"/>	Refer as KDB 558074, clause 12.2.5.2 Option 2 (trace averaging + duty factor).
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 12.2.5.3 Option 3 (Reduced VBW $\geq 1/T$).
<input type="checkbox"/>	Refer as ANSI C63.10, clause 4.1.4.2.3 (Reduced VBW). VBW $\geq 1/T$, where T is pulse time.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 4.1.4.2.4 average value of pulsed emissions.
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 11.3 and 12.2.4 measurement procedure peak limit.
<input type="checkbox"/>	Refer as KDB 558074, clause 12.2.3 measurement procedure Quasi-Peak limit.
<ul style="list-style-type: none"> ▪ For the transmitter band-edge emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ Refer as 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.
	<ul style="list-style-type: none"> ▪ Refer as KDB 558074, clause 13.2 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	<ul style="list-style-type: none"> ▪ Refer as KDB 558074, clause 13.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
<ul style="list-style-type: none"> ▪ For conducted and cabinet radiation measurement, refer as KDB 558074, clause 12.2.2. 	
	<ul style="list-style-type: none"> ▪ 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
	<ul style="list-style-type: none"> ▪ For KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

3.6.4 Test Setup





3.6.5 Transmitter Radiated Unwanted Emissions (Below 30MHz)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported. Any spurious which has more than 20 dB of margin compared to the applicable limit is not necessarily reported.

3.6.6 Transmitter Radiated Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP40	100593	9KHz - 40GHz	26/Oct/2016	25/Oct/2017
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz-1GHz 3M	03/Jun/2016	02/Jun/2017
Amplifier	Agilent	8447D	2944A11149	100KHz-1.3GHz	01/Jul/2016	30/Jun/2017
Amplifier	Agilent	8449B	3008A02373	1GHz-26.5GHz	02/Sep/2016	01/Sep/2017
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA9120D 01543	1GHz-18GHz	22/Apr/2016	21/Apr/2017
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	18GHz-40GHz	29/Jan/2016	28/Jan/2017
Bilog Antenna	SCHAFFNER	CBL6112B	2723	30MHz-1GHz	01/Oct/2016	30/Sep/2017
Loop Antenna	TESEQ	HLA 6120	31244	9KHz-30MHz	02/Feb/2015	01/Feb/2017
DC Power Source	G.W.	GPS-3030DD	GEN865896	DC 0V ~ 30V	14/Jan/2016	13/Jan/2017
RF Cable-high	SUHNER	SUCOFLEX106	MY17173/4	1GHz ~ 40GHz	03/Mar/2016	02/Mar/2017
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	05/Nov/2016	04/Nov/2017

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101500	9kHz~40GHz	12/May/2016	11/May/ 2017
Power Sensor	Anritsu	MA2411B	917017	300MHz ~ 40GHz	04/Feb/2016	03/Feb/2017
Power Meter	Anritsu	ML2495A	949003	300MHz ~ 40GHz	04/Feb/2016	03/Feb/2017
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	21/Jul/2016	20/Jul/2017
DC Power Source	G.W.	GPS-3030DD	GEN865896	DC 0V ~ 30V	14/Jan/2016	13/Jan/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10713/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017

Summary

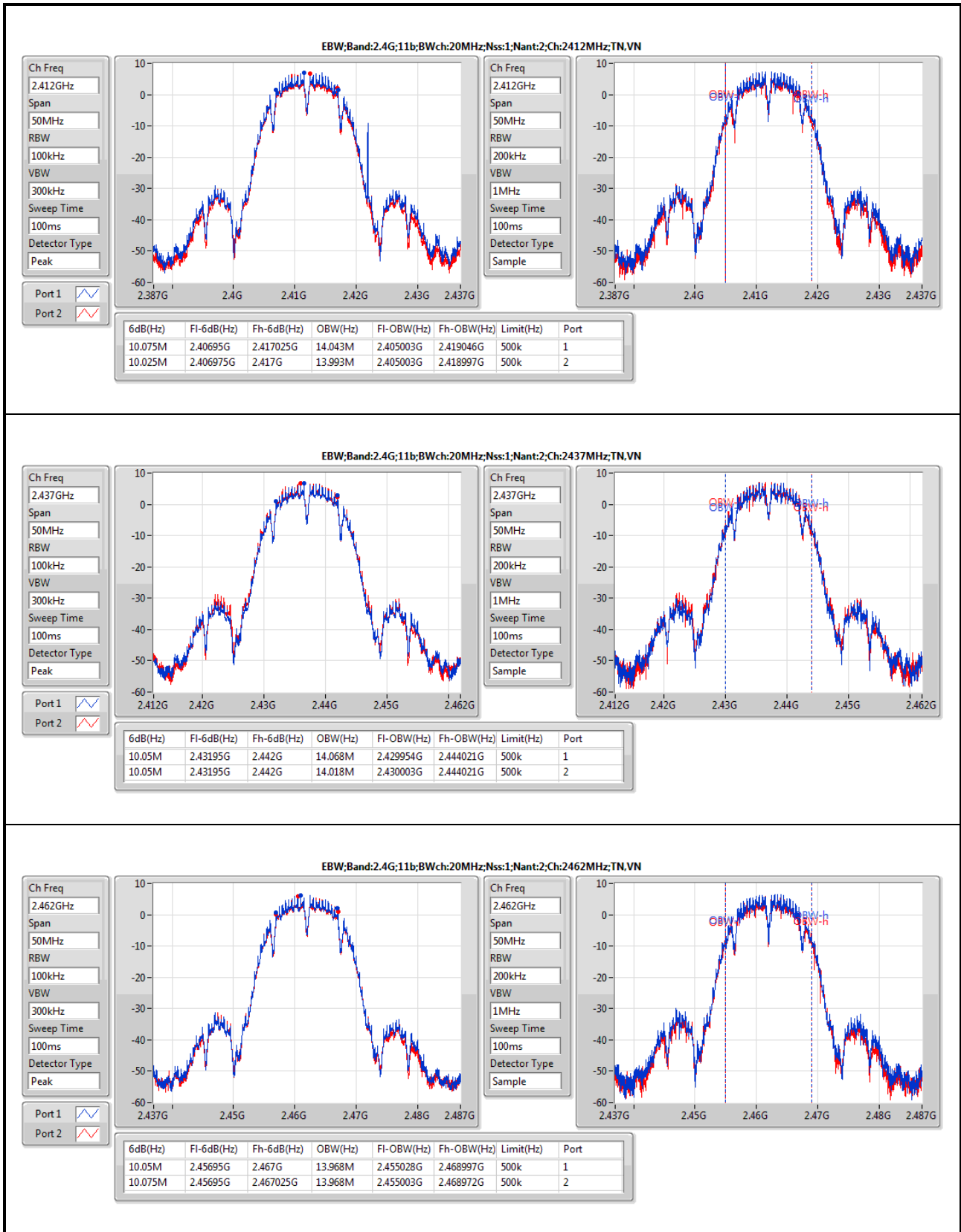
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11b_Nss1_2TX	-	-	-	-	-
2.4-2.4835GHz	10.075M	14.068M	14M1G1D	10.025M	13.968M
802.11g_Nss1_2TX	-	-	-	-	-
2.4-2.4835GHz	16.375M	16.792M	16M8D1D	16.325M	16.517M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-
2.4-2.4835GHz	17.575M	17.866M	17M9D1D	17.25M	17.691M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-
2.4-2.4835GHz	36.35M	36.582M	36M6D1D	36.3M	36.382M

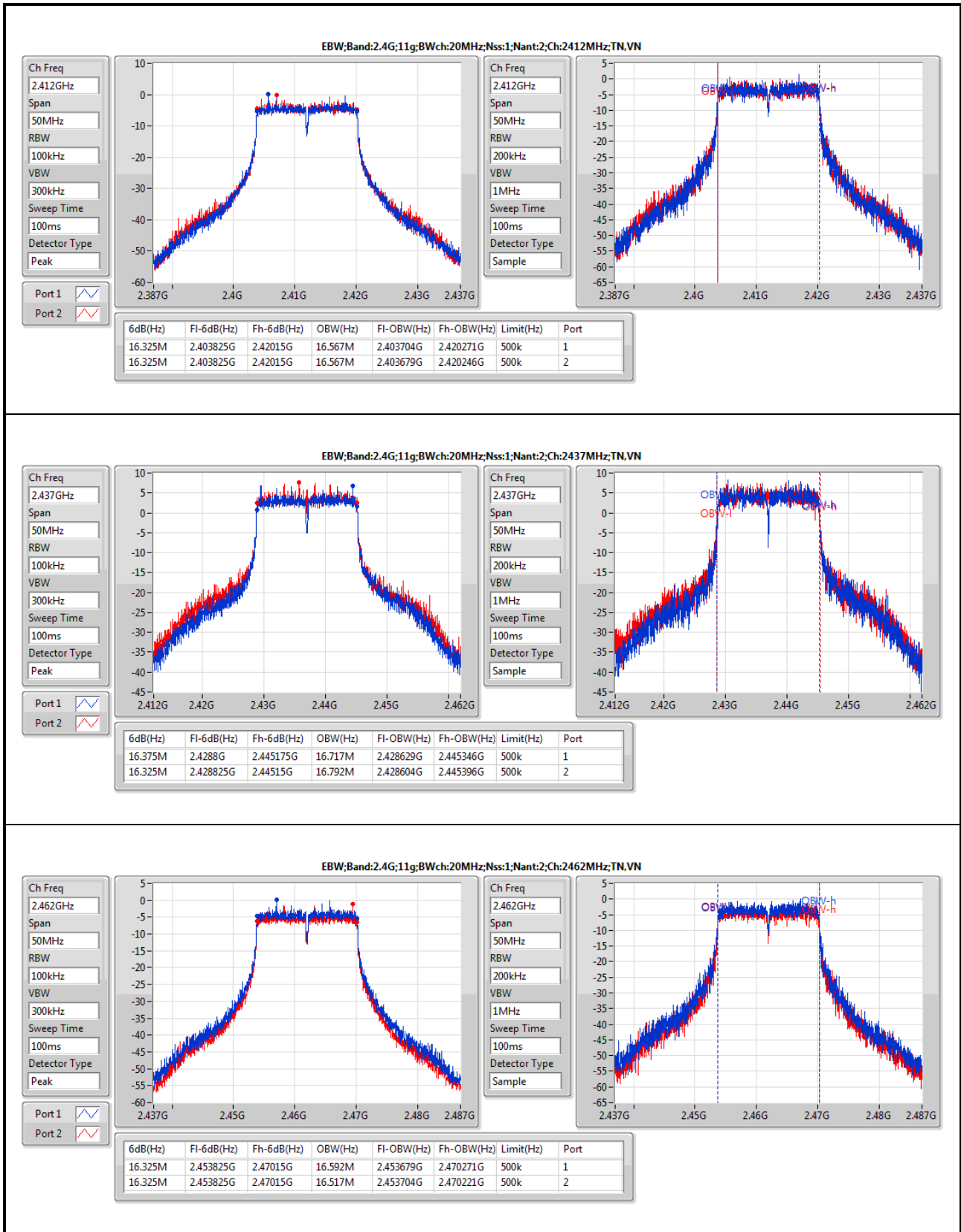
Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

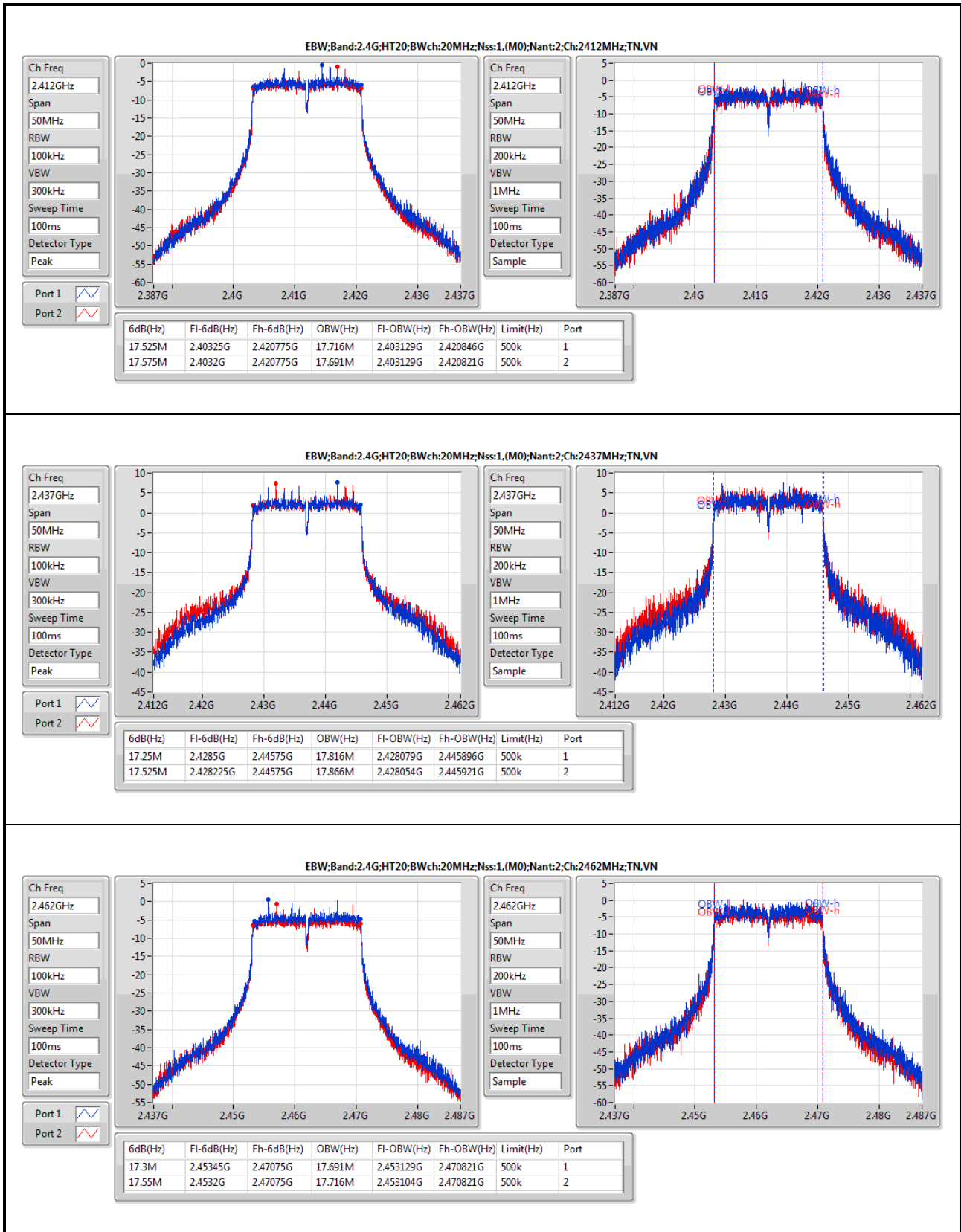
Result

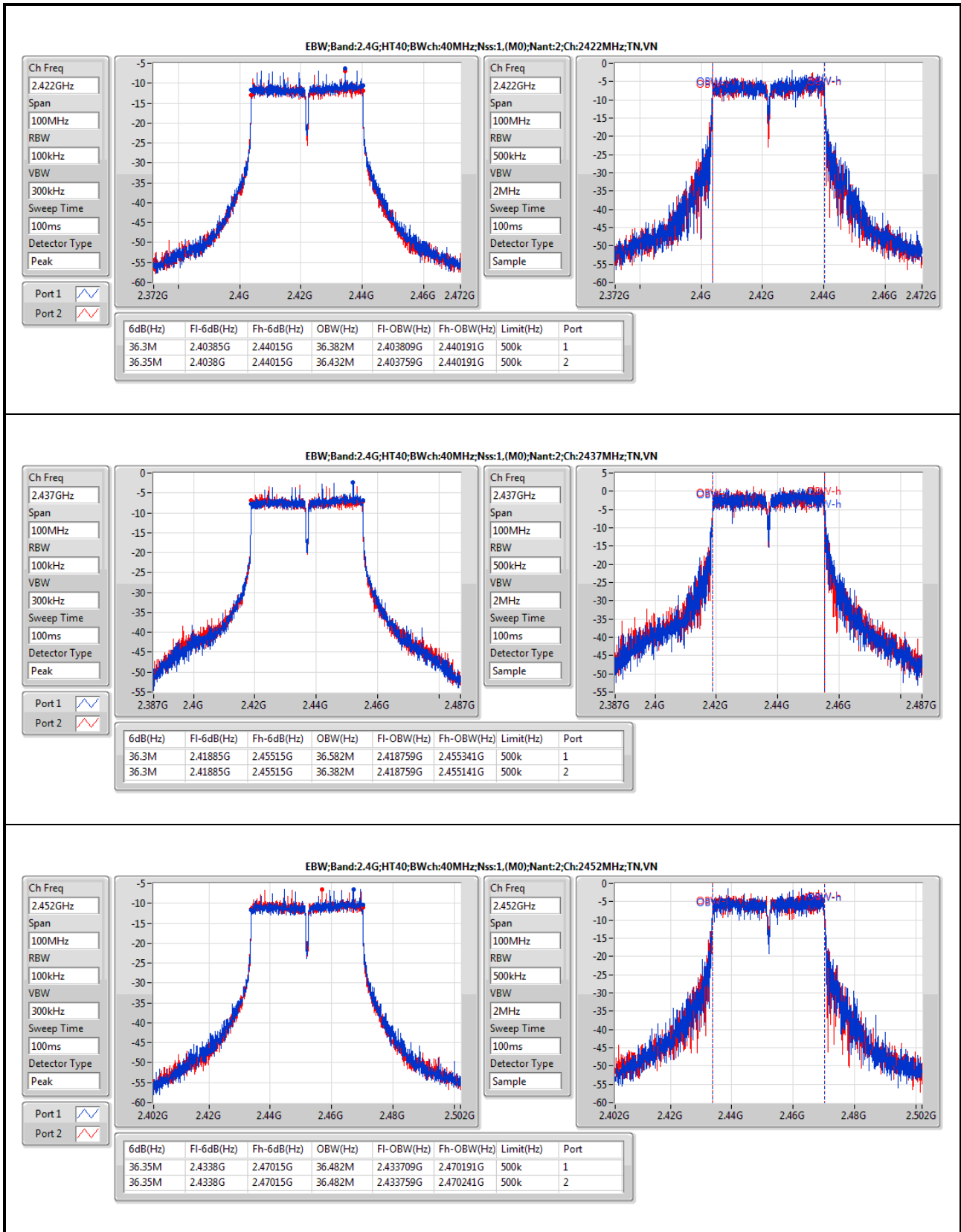
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	10.075M	14.043M	10.025M	13.993M
2437MHz	Pass	500k	10.05M	14.068M	10.05M	14.018M
2462MHz	Pass	500k	10.05M	13.968M	10.075M	13.968M
802.11g_Nss1_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.567M	16.325M	16.567M
2437MHz	Pass	500k	16.375M	16.717M	16.325M	16.792M
2462MHz	Pass	500k	16.325M	16.592M	16.325M	16.517M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.525M	17.716M	17.575M	17.691M
2437MHz	Pass	500k	17.25M	17.816M	17.525M	17.866M
2462MHz	Pass	500k	17.3M	17.691M	17.55M	17.716M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.3M	36.382M	36.35M	36.432M
2437MHz	Pass	500k	36.3M	36.582M	36.3M	36.382M
2452MHz	Pass	500k	36.35M	36.482M	36.35M	36.482M

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











Summary

Mode	Sum (dBm)	Total Power (W)
802.11b_Nss1_2TX	-	-
2.4-2.4835GHz	22.52	0.17865
802.11g_Nss1_2TX	-	-
2.4-2.4835GHz	29.43	0.87700
802.11n HT20_Nss1,(MCS0)_2TX	-	-
2.4-2.4835GHz	29.20	0.83176
802.11n HT40_Nss1,(MCS0)_2TX	-	-
2.4-2.4835GHz	25.62	0.36475

Result

Mode	Result	DG (dBi)	P1 (dBm)	P2 (dBm)	Sum (dBm)	Sum Lim. (dBm)
802.11b_Nss1_2TX	-	-	-	-	-	-
2412MHz	Pass	5.50	19.87	19.11	22.52	30.00
2437MHz	Pass	5.50	18.83	18.95	21.90	30.00
2462MHz	Pass	5.50	18.36	17.69	21.05	30.00
802.11g_Nss1_2TX	-	-	-	-	-	-
2412MHz	Pass	5.50	22.89	22.04	25.49	30.00
2437MHz	Pass	5.50	26.59	26.25	29.43	30.00
2462MHz	Pass	5.50	22.17	20.90	24.59	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.50	21.38	21.12	24.26	30.00
2437MHz	Pass	5.50	26.41	25.96	29.20	30.00
2462MHz	Pass	5.50	22.18	20.96	24.62	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.50	19.11	18.48	21.81	30.00
2437MHz	Pass	5.50	22.87	22.32	25.62	30.00
2452MHz	Pass	5.50	19.36	18.75	22.08	30.00

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



Summary

Mode	Sum (dBm)	Total Power (W)
802.11b_Nss1_2TX	-	-
2.4-2.4835GHz	20.31	0.10740
802.11g_Nss1_2TX	-	-
2.4-2.4835GHz	22.78	0.18967
802.11n HT20_Nss1,(MCS0)_2TX	-	-
2.4-2.4835GHz	21.77	0.15031
802.11n HT40_Nss1,(MCS0)_2TX	-	-
2.4-2.4835GHz	15.30	0.03388

Result

Mode	Result	DG (dBi)	P1 (dBm)	P2 (dBm)	Sum (dBm)	Sum Lim. (dBm)
802.11b_Nss1_2TX	-	-	-	-	-	-
2412MHz	Pass	5.50	17.64	16.94	20.31	30.00
2437MHz	Pass	5.50	16.58	16.83	19.72	30.00
2462MHz	Pass	5.50	16.16	15.50	18.85	30.00
802.11g_Nss1_2TX	-	-	-	-	-	-
2412MHz	Pass	5.50	12.41	12.22	15.33	30.00
2437MHz	Pass	5.50	19.82	19.72	22.78	30.00
2462MHz	Pass	5.50	11.91	10.95	14.47	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.50	11.26	10.87	14.08	30.00
2437MHz	Pass	5.50	18.73	18.78	21.77	30.00
2462MHz	Pass	5.50	12.07	11.10	14.62	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.50	8.37	8.06	11.23	30.00
2437MHz	Pass	5.50	12.37	12.22	15.30	30.00
2452MHz	Pass	5.50	8.72	8.85	11.79	30.00

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



Summary

Mode	PD (dBm/RBW)
802.11b_Nss1_2TX 2.4-2.4835GHz	- -5.54
802.11g_Nss1_2TX 2.4-2.4835GHz	- 2.61
802.11n HT20_Nss1,(MCS0)_2TX 2.4-2.4835GHz	- -5.92
802.11n HT40_Nss1,(MCS0)_2TX 2.4-2.4835GHz	- -14.45

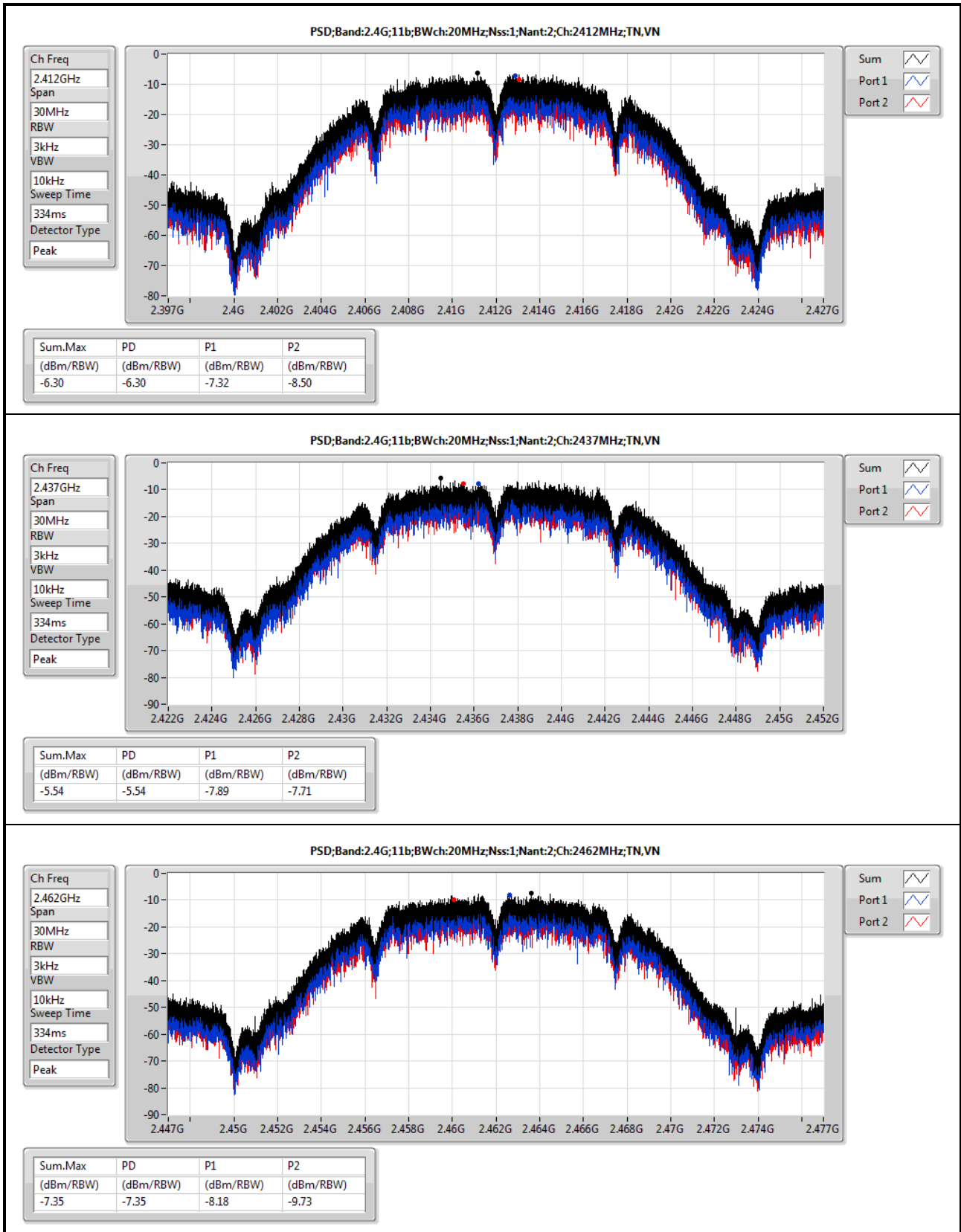
RBW=3kHz.

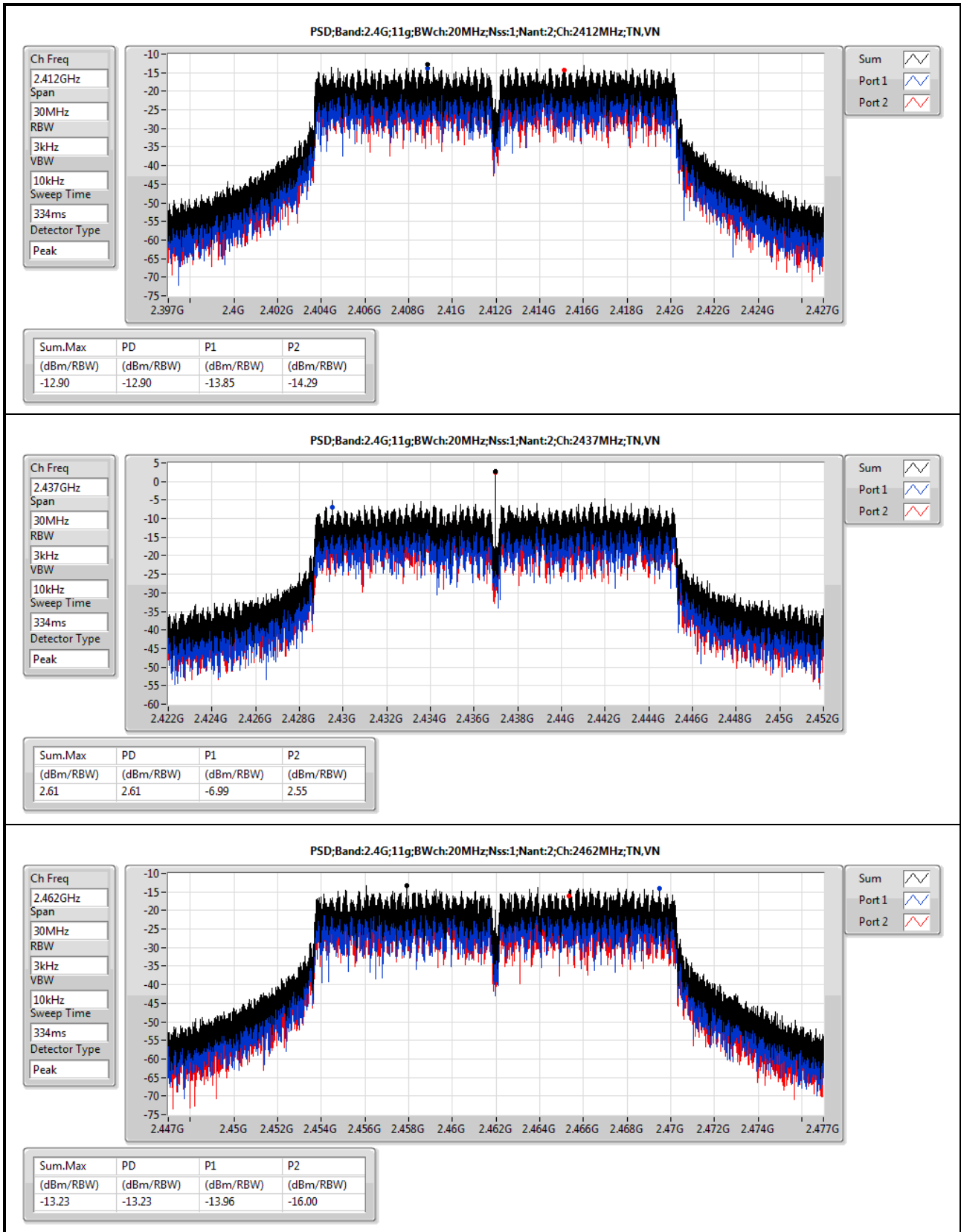
Result

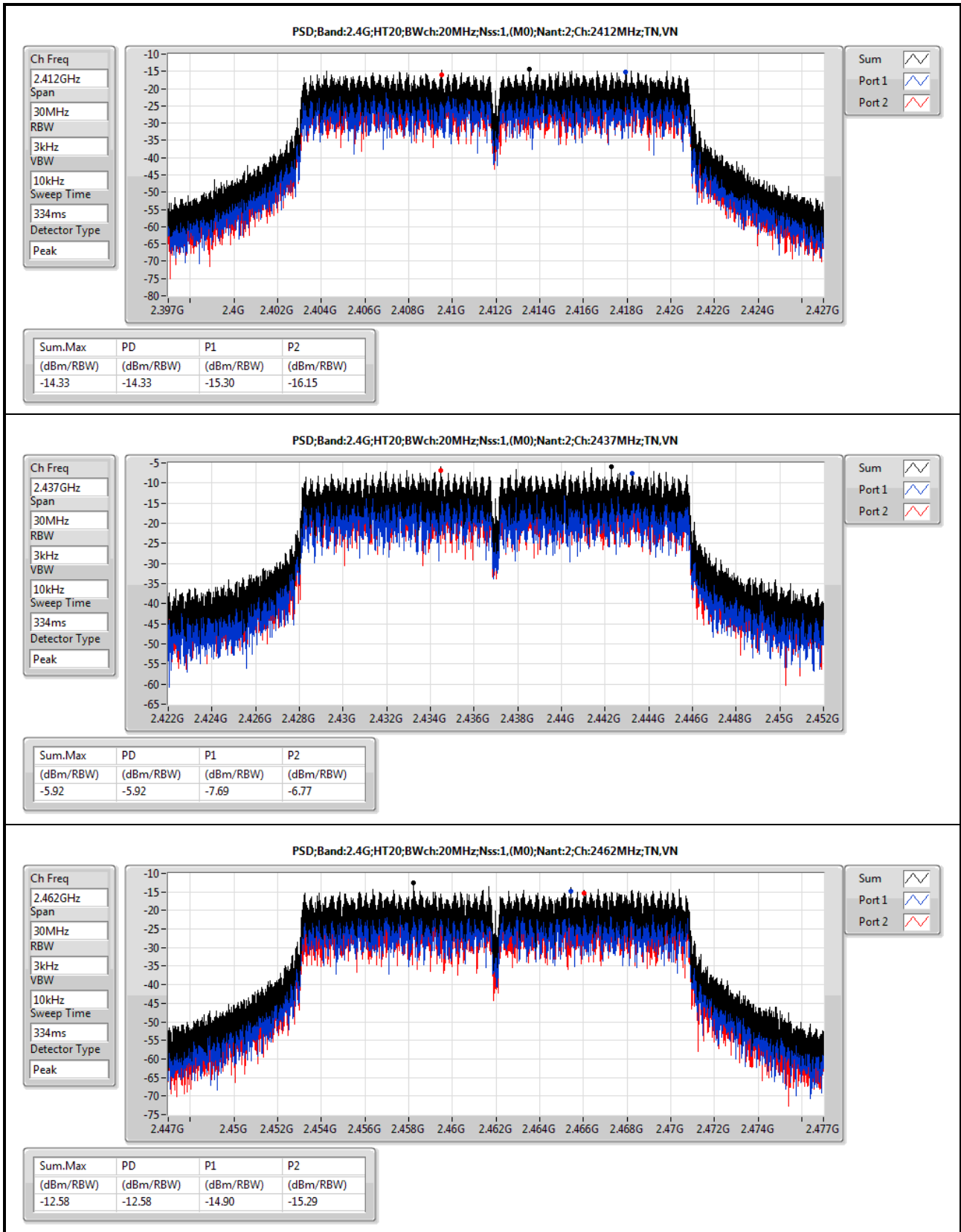
Mode	Result	DG (dBi)	P1 (dBm/RBW)	P2 (dBm/RBW)	PD (dBm/RBW)	PD.Limit (dBm/RBW)
802.11b_Nss1_2TX	-	-	-	-	-	-
2412MHz	Pass	8.51	-7.32	-8.50	-6.30	5.49
2437MHz	Pass	8.51	-7.89	-7.71	-5.54	5.49
2462MHz	Pass	8.51	-8.18	-9.73	-7.35	5.49
802.11g_Nss1_2TX	-	-	-	-	-	-
2412MHz	Pass	8.51	-13.85	-14.29	-12.90	5.49
2437MHz	Pass	8.51	-6.99	2.55	2.61	5.49
2462MHz	Pass	8.51	-13.96	-16.00	-13.23	5.49
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.51	-15.30	-16.15	-14.33	5.49
2437MHz	Pass	8.51	-7.69	-6.77	-5.92	5.49
2462MHz	Pass	8.51	-14.90	-15.29	-12.58	5.49
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.51	-20.60	-20.38	-19.34	5.49
2437MHz	Pass	8.51	-16.69	-15.12	-14.45	5.49
2452MHz	Pass	8.51	-20.69	-20.60	-18.80	5.49

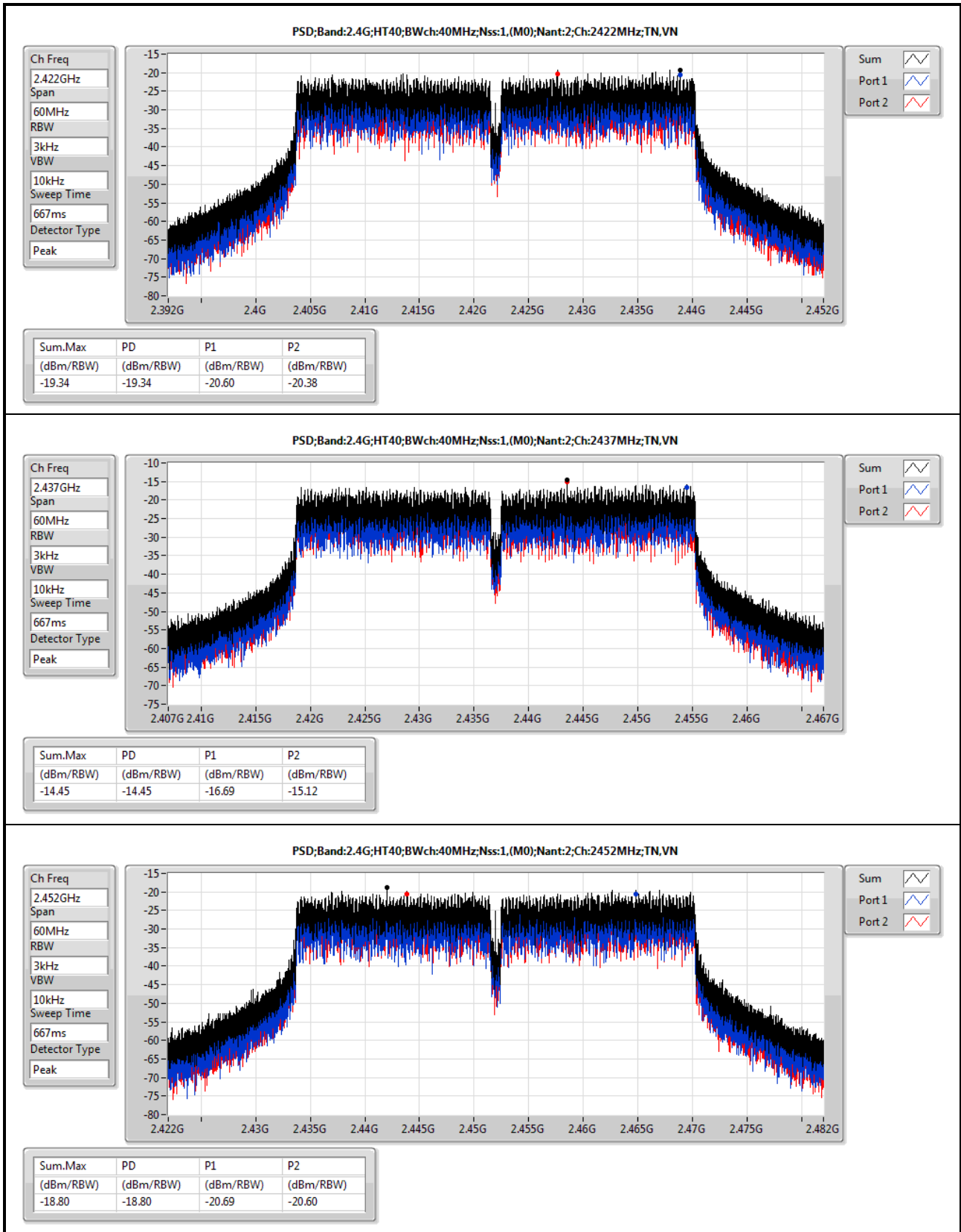
DG = Directional Gain; RBW=3kHz;

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









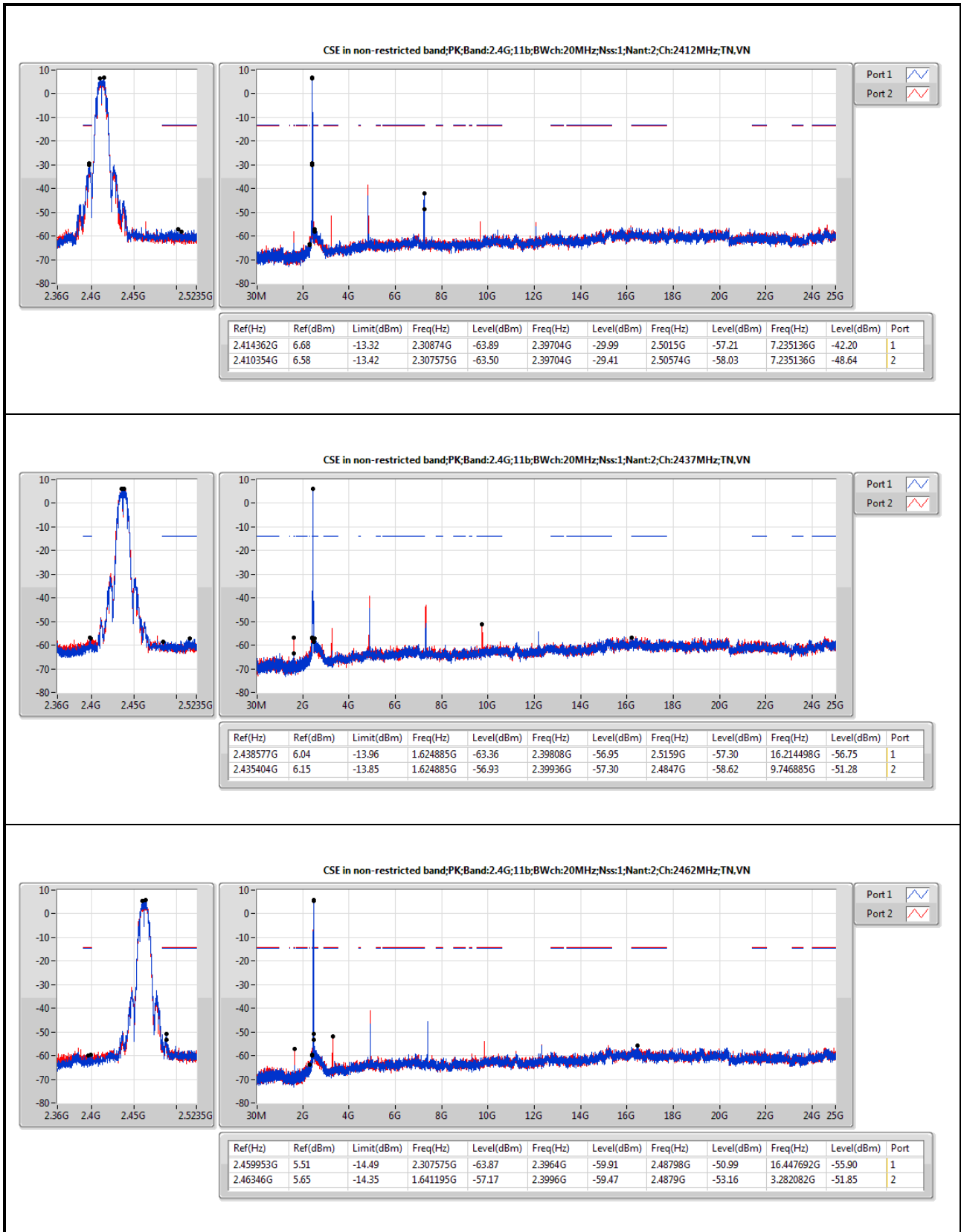


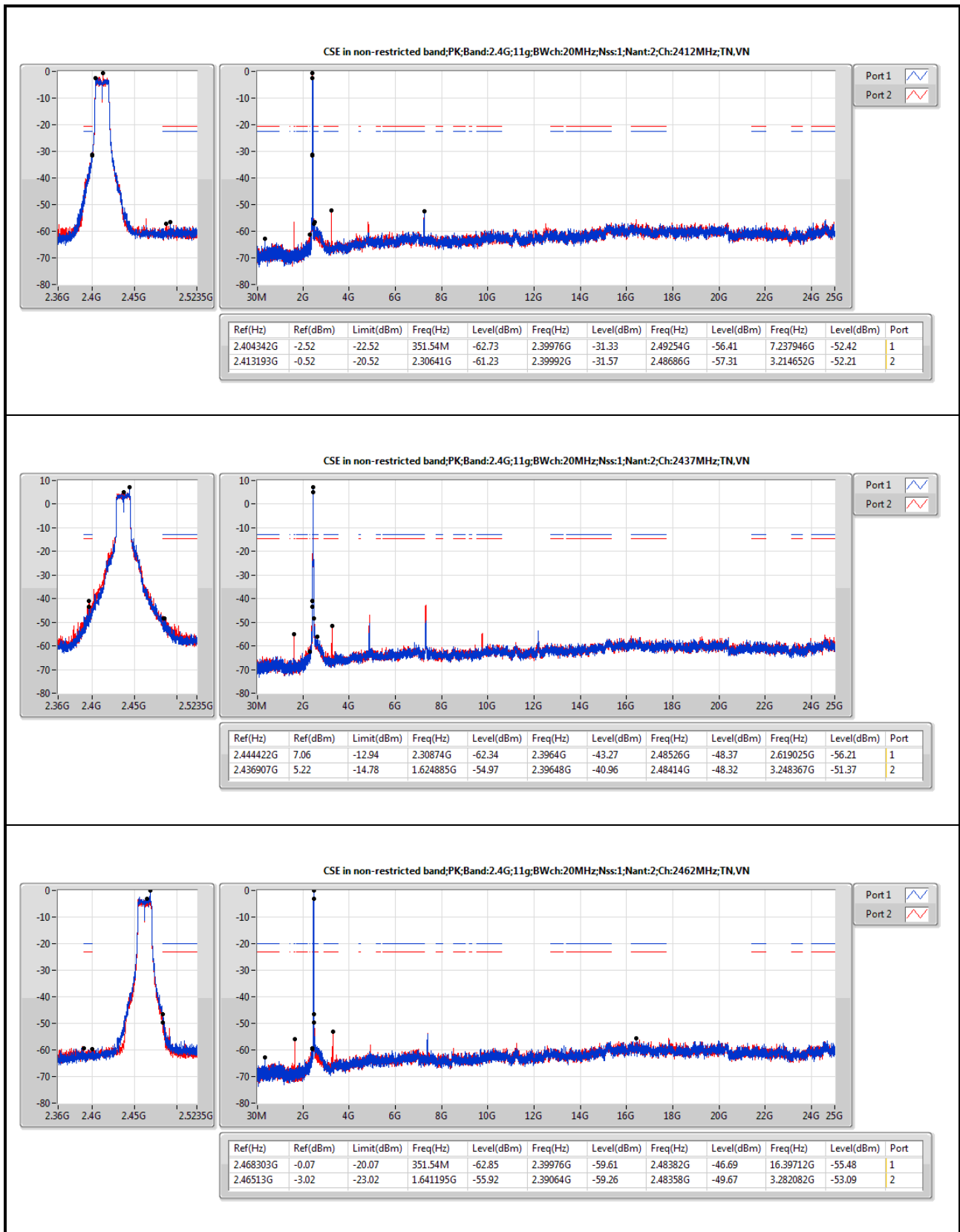
Summary

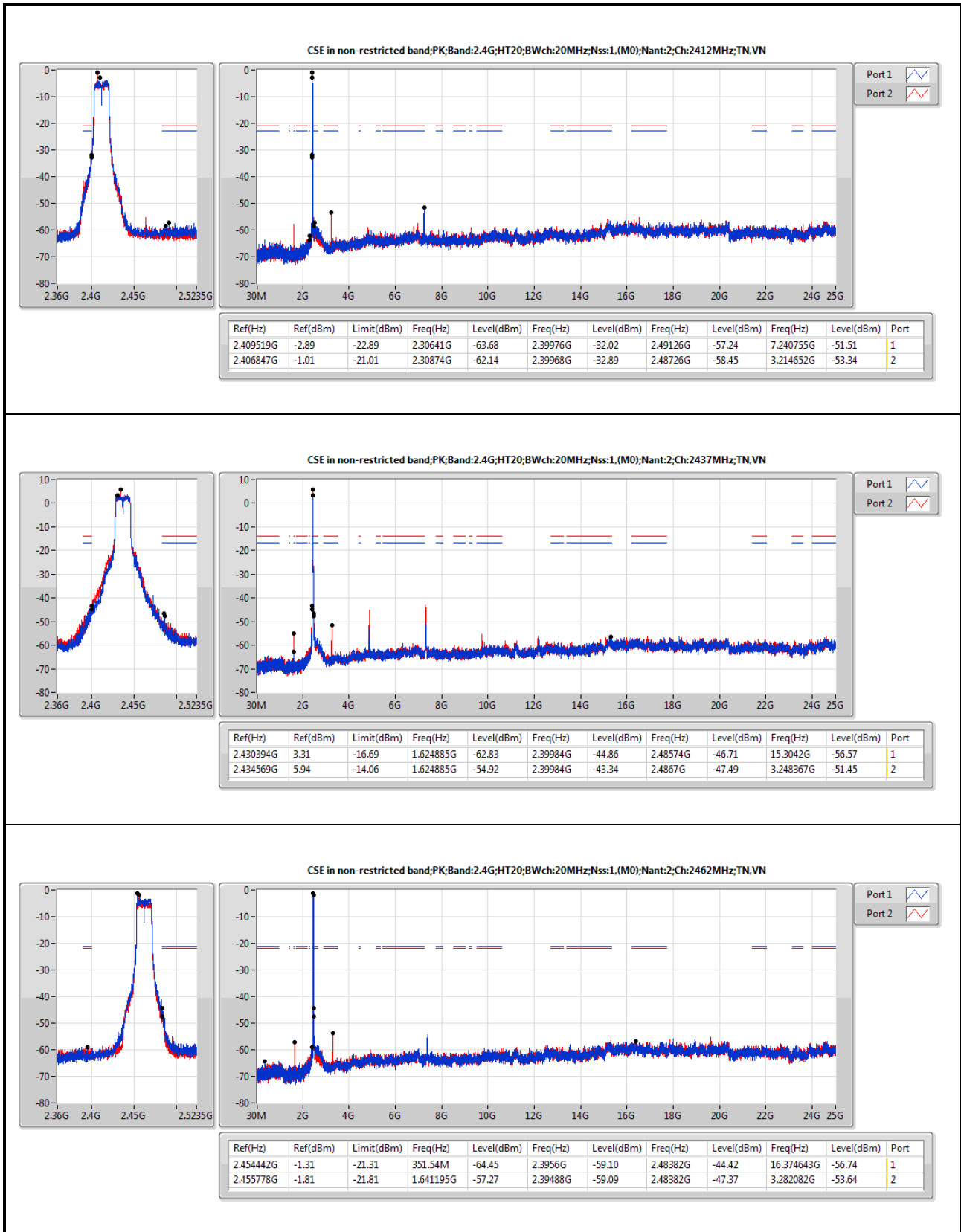
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	2.416867G	-6.86	-26.86	2.11161G	-64.04	2.39904G	-35.38	2.53198G	-57.85	16.549853G	-56.27	1

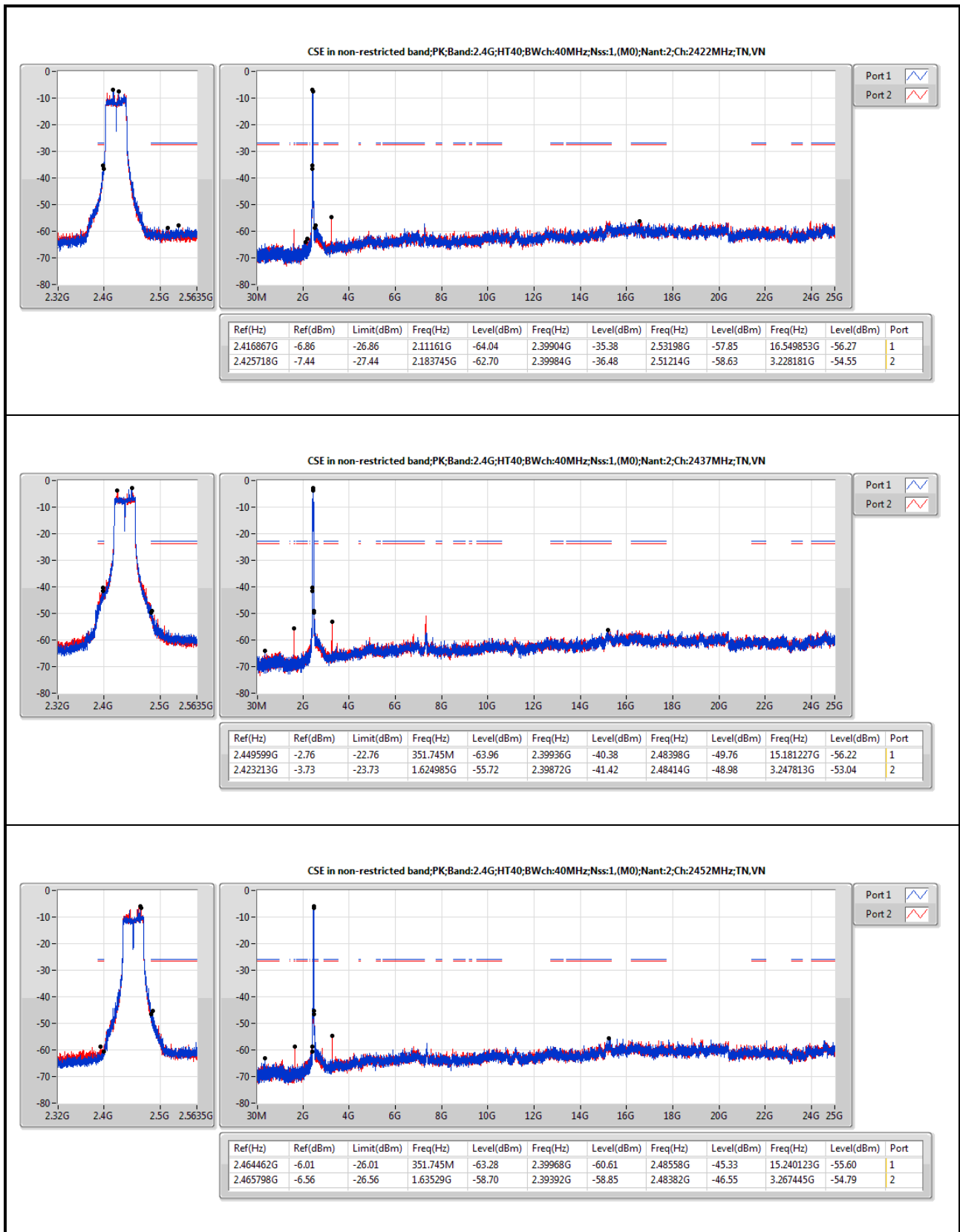
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.414362G	6.68	-13.32	2.30874G	-63.89	2.39704G	-29.99	2.5015G	-57.21	7.235136G	-42.20	1
2412MHz	Pass	2.410354G	6.58	-13.42	2.307575G	-63.50	2.39704G	-29.41	2.50574G	-58.03	7.235136G	-48.64	2
2437MHz	Pass	2.438577G	6.04	-13.96	1.624885G	-63.36	2.39808G	-56.95	2.5159G	-57.30	16.214498G	-56.75	1
2437MHz	Pass	2.435404G	6.15	-13.85	1.624885G	-56.93	2.39936G	-57.30	2.4847G	-58.62	9.746885G	-51.28	2
2462MHz	Pass	2.459953G	5.51	-14.49	2.307575G	-63.87	2.3964G	-59.91	2.48798G	-50.99	16.447692G	-55.90	1
2462MHz	Pass	2.46346G	5.65	-14.35	1.641195G	-57.17	2.3996G	-59.47	2.4879G	-53.16	3.282082G	-51.85	2
802.11g_Nss1_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.404342G	-2.52	-22.52	351.54M	-62.73	2.39976G	-31.33	2.49254G	-56.41	7.237946G	-52.42	1
2412MHz	Pass	2.413193G	-0.52	-20.52	2.30641G	-61.23	2.39992G	-31.57	2.48686G	-57.31	3.214652G	-52.21	2
2437MHz	Pass	2.444422G	7.06	-12.94	2.30874G	-62.34	2.3964G	-43.27	2.48526G	-48.37	2.619025G	-56.21	1
2437MHz	Pass	2.436907G	5.22	-14.78	1.624885G	-54.97	2.39648G	-40.96	2.48414G	-48.32	3.248367G	-51.37	2
2462MHz	Pass	2.468303G	-0.07	-20.07	351.54M	-62.85	2.39976G	-59.61	2.48382G	-46.69	16.39712G	-55.48	1
2462MHz	Pass	2.46513G	-3.02	-23.02	1.641195G	-55.92	2.39064G	-59.26	2.48358G	-49.67	3.282082G	-53.09	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.409519G	-2.89	-22.89	2.30641G	-63.68	2.39976G	-32.02	2.49126G	-57.24	7.240755G	-51.51	1
2412MHz	Pass	2.406847G	-1.01	-21.01	2.30874G	-62.14	2.39968G	-32.89	2.48726G	-58.45	3.214652G	-53.34	2
2437MHz	Pass	2.430394G	3.31	-16.69	1.624885G	-62.83	2.39984G	-44.86	2.48574G	-46.71	15.3042G	-56.57	1
2437MHz	Pass	2.434569G	5.94	-14.06	1.624885G	-54.92	2.39984G	-43.34	2.4867G	-47.49	3.248367G	-51.45	2
2462MHz	Pass	2.454442G	-1.31	-21.31	351.54M	-64.45	2.3956G	-59.10	2.48382G	-44.42	16.374643G	-56.74	1
2462MHz	Pass	2.455778G	-1.81	-21.81	1.641195G	-57.27	2.39488G	-59.09	2.48382G	-47.37	3.282082G	-53.64	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.416867G	-6.86	-26.86	2.11161G	-64.04	2.39904G	-35.38	2.53198G	-57.85	16.549853G	-56.27	1
2422MHz	Pass	2.425718G	-7.44	-27.44	2.183745G	-62.70	2.39984G	-36.48	2.51214G	-58.63	3.228181G	-54.55	2
2437MHz	Pass	2.449599G	-2.76	-22.76	351.745M	-63.96	2.39936G	-40.38	2.48398G	-49.76	15.181227G	-56.22	1
2437MHz	Pass	2.423213G	-3.73	-23.73	1.624985G	-55.72	2.39872G	-41.42	2.48414G	-48.98	3.247813G	-53.04	2
2452MHz	Pass	2.464462G	-6.01	-26.01	351.745M	-63.28	2.39968G	-60.61	2.48558G	-45.33	15.240123G	-55.60	1
2452MHz	Pass	2.465798G	-6.56	-26.56	1.63529G	-58.70	2.39392G	-58.85	2.48382G	-46.55	3.267445G	-54.79	2











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
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	PK	30M	34.98	40.00	-5.02	-4.25	3	H	NaN	NaN	-

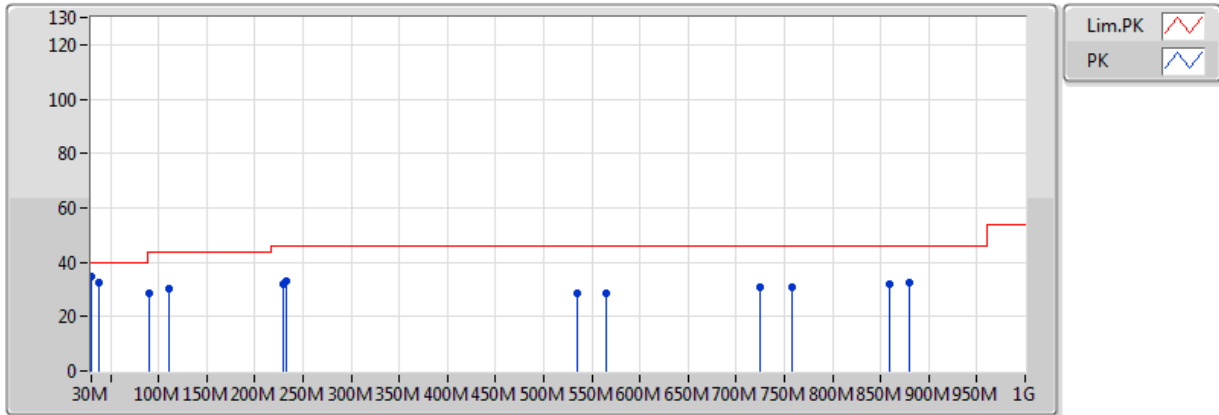


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	30M	34.98	40.00	-5.02	-4.25	3	H	NaN	NaN	-
2437MHz	Pass	PK	111.48M	30.00	43.50	-13.50	-9.31	3	H	NaN	NaN	-
2437MHz	Pass	PK	231.76M	32.99	46.00	-13.01	-9.58	3	H	NaN	NaN	-
2437MHz	Pass	PK	534.4M	28.75	46.00	-17.25	-1.41	3	H	NaN	NaN	-
2437MHz	Pass	PK	724.52M	30.81	46.00	-15.19	0.20	3	H	NaN	NaN	-
2437MHz	Pass	PK	879.72M	32.27	46.00	-13.73	2.72	3	H	NaN	NaN	-
2437MHz	Pass	PK	37.76M	32.74	40.00	-7.26	-8.08	3	V	NaN	NaN	-
2437MHz	Pass	PK	90.14M	28.50	43.50	-15.00	-12.53	3	V	NaN	NaN	-
2437MHz	Pass	PK	229.82M	31.77	46.00	-14.23	-9.82	3	V	NaN	NaN	-
2437MHz	Pass	PK	565.44M	28.68	46.00	-17.32	-1.01	3	V	NaN	NaN	-
2437MHz	Pass	PK	757.5M	30.80	46.00	-15.20	0.82	3	V	NaN	NaN	-
2437MHz	Pass	PK	858.38M	32.03	46.00	-13.97	2.34	3	V	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_Ant PCB+PCB



PCB ANT = ANT A+ANT B
 EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	30M	34.98	40.00	-5.02	-4.25	3	H	NaN	NaN	-
PK	111.48M	30.00	43.50	-13.50	-9.31	3	H	NaN	NaN	-
PK	231.76M	32.99	46.00	-13.01	-9.58	3	H	NaN	NaN	-
PK	534.4M	28.75	46.00	-17.25	-1.41	3	H	NaN	NaN	-
PK	724.52M	30.81	46.00	-15.19	0.20	3	H	NaN	NaN	-
PK	879.72M	32.27	46.00	-13.73	2.72	3	H	NaN	NaN	-
PK	37.76M	32.74	40.00	-7.26	-8.08	3	V	NaN	NaN	-
PK	90.14M	28.50	43.50	-15.00	-12.53	3	V	NaN	NaN	-
PK	229.82M	31.77	46.00	-14.23	-9.82	3	V	NaN	NaN	-
PK	565.44M	28.68	46.00	-17.32	-1.01	3	V	NaN	NaN	-
PK	757.5M	30.80	46.00	-15.20	0.82	3	V	NaN	NaN	-
PK	858.38M	32.03	46.00	-13.97	2.34	3	V	NaN	NaN	-



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
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	PK	41.64M	32.90	40.00	-7.10	-10.02	3	V	NaN	NaN	-

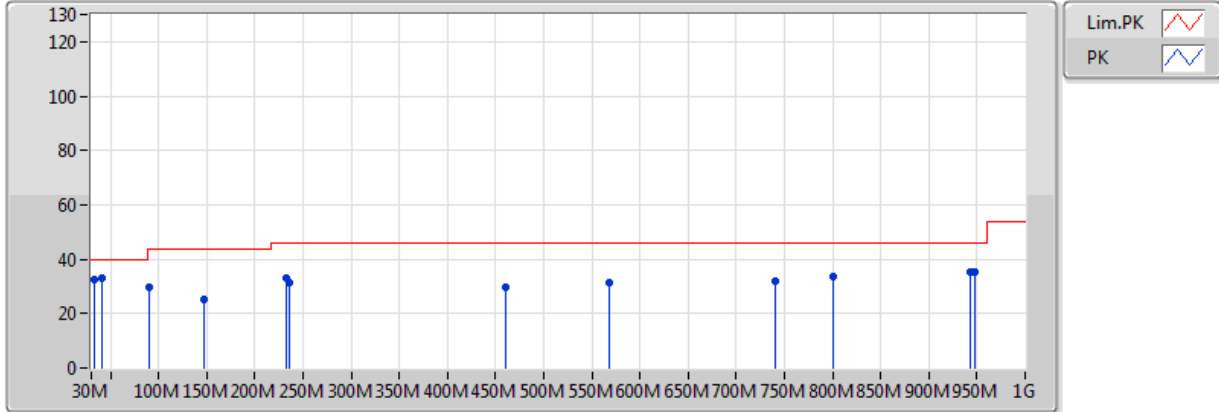


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	33.88M	32.74	40.00	-7.26	-6.15	3	H	NaN	NaN	-
2437MHz	Pass	PK	146.4M	25.25	43.50	-18.25	-10.19	3	H	NaN	NaN	-
2437MHz	Pass	PK	231.76M	33.28	46.00	-12.72	-9.58	3	H	NaN	NaN	-
2437MHz	Pass	PK	460.68M	29.52	46.00	-16.48	-2.92	3	H	NaN	NaN	-
2437MHz	Pass	PK	800.18M	33.89	46.00	-12.11	1.10	3	H	NaN	NaN	-
2437MHz	Pass	PK	947.62M	35.18	46.00	-10.82	3.23	3	H	NaN	NaN	-
2437MHz	Pass	PK	41.64M	32.90	40.00	-7.10	-10.02	3	V	NaN	NaN	-
2437MHz	Pass	PK	90.14M	29.65	43.50	-13.85	-12.53	3	V	NaN	NaN	-
2437MHz	Pass	PK	235.64M	31.16	46.00	-14.84	-9.09	3	V	NaN	NaN	-
2437MHz	Pass	PK	567.38M	31.39	46.00	-14.61	-1.02	3	V	NaN	NaN	-
2437MHz	Pass	PK	740.04M	31.85	46.00	-14.15	0.56	3	V	NaN	NaN	-
2437MHz	Pass	PK	943.74M	35.16	46.00	-10.84	3.22	3	V	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_Ant PIFA+PCB



PIFA+PCB ANT = ANT A+ ANT B
 EUT = Y axis, ANT = X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	33.88M	32.74	40.00	-7.26	-6.15	3	H	NaN	NaN	-
PK	146.4M	25.25	43.50	-18.25	-10.19	3	H	NaN	NaN	-
PK	231.76M	33.28	46.00	-12.72	-9.58	3	H	NaN	NaN	-
PK	460.68M	29.52	46.00	-16.48	-2.92	3	H	NaN	NaN	-
PK	800.18M	33.89	46.00	-12.11	1.10	3	H	NaN	NaN	-
PK	947.62M	35.18	46.00	-10.82	3.23	3	H	NaN	NaN	-
PK	41.64M	32.90	40.00	-7.10	-10.02	3	V	NaN	NaN	-
PK	90.14M	29.65	43.50	-13.85	-12.53	3	V	NaN	NaN	-
PK	235.64M	31.16	46.00	-14.84	-9.09	3	V	NaN	NaN	-
PK	567.38M	31.39	46.00	-14.61	-1.02	3	V	NaN	NaN	-
PK	740.04M	31.85	46.00	-14.15	0.56	3	V	NaN	NaN	-
PK	943.74M	35.16	46.00	-10.84	3.22	3	V	NaN	NaN	-



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
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	AV	2.389998G	52.89	54.00	-1.11	30.23	3	H	NaN	NaN	-



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11b_Nss1_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.386384G	52.51	54.00	-1.49	30.22	3	H	NaN	NaN	-
2412MHz	Pass	AV	2.409232G	105.89	Inf	-Inf	30.29	3	H	NaN	NaN	-
2412MHz	Pass	PK	2.385936G	59.96	74.00	-14.04	30.22	3	H	NaN	NaN	-
2412MHz	Pass	PK	2.409456G	109.56	Inf	-Inf	30.29	3	H	NaN	NaN	-
2412MHz	Pass	AV	4.824G	52.11	54.00	-1.89	0.95	3	H	NaN	NaN	-
2412MHz	Pass	PK	4.824G	54.35	74.00	-19.65	0.95	3	H	NaN	NaN	-
2412MHz	Pass	PK	7.236G	48.60	Inf	-Inf	6.26	3	H	NaN	NaN	-
2412MHz	Pass	PK	9.648G	52.27	Inf	-Inf	9.49	3	H	NaN	NaN	-
2412MHz	Pass	AV	4.824G	43.09	54.00	-10.91	0.95	3	V	NaN	NaN	-
2412MHz	Pass	PK	4.824G	48.29	74.00	-25.71	0.95	3	V	NaN	NaN	-
2412MHz	Pass	PK	7.236G	48.51	Inf	-Inf	6.26	3	V	NaN	NaN	-
2412MHz	Pass	PK	9.648G	52.49	Inf	-Inf	9.49	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.3898G	43.35	54.00	-10.65	30.23	3	H	NaN	NaN	-
2437MHz	Pass	AV	2.4354G	105.91	Inf	-Inf	30.37	3	H	NaN	NaN	-
2437MHz	Pass	AV	2.5G	43.85	54.00	-10.15	30.58	3	H	NaN	NaN	-
2437MHz	Pass	AV	4.874G	52.32	54.00	-1.68	1.06	3	H	NaN	NaN	-
2437MHz	Pass	AV	7.311G	34.33	54.00	-19.67	6.44	3	H	NaN	NaN	-
2437MHz	Pass	PK	2.386G	54.94	74.00	-19.06	30.22	3	H	NaN	NaN	-
2437MHz	Pass	PK	2.43464G	109.69	Inf	-Inf	30.37	3	H	NaN	NaN	-
2437MHz	Pass	PK	2.4981G	55.42	74.00	-18.58	30.57	3	H	NaN	NaN	-
2437MHz	Pass	PK	4.874G	54.50	74.00	-19.50	1.06	3	H	NaN	NaN	-
2437MHz	Pass	PK	7.311G	48.76	74.00	-25.24	6.44	3	H	NaN	NaN	-
2437MHz	Pass	PK	9.748G	52.18	Inf	-Inf	9.60	3	H	NaN	NaN	-
2437MHz	Pass	AV	4.874G	42.76	54.00	-11.24	1.06	3	V	NaN	NaN	-
2437MHz	Pass	AV	7.311G	34.52	54.00	-19.48	6.44	3	V	NaN	NaN	-
2437MHz	Pass	PK	4.874G	48.19	74.00	-25.81	1.06	3	V	NaN	NaN	-
2437MHz	Pass	PK	7.311G	48.40	74.00	-25.60	6.44	3	V	NaN	NaN	-
2437MHz	Pass	PK	9.748G	52.01	Inf	-Inf	9.60	3	V	NaN	NaN	-
2462MHz	Pass	AV	2.4636G	106.63	Inf	-Inf	30.46	3	H	NaN	NaN	-
2462MHz	Pass	AV	2.4878G	52.03	54.00	-1.97	30.54	3	H	NaN	NaN	-
2462MHz	Pass	AV	4.924G	50.75	54.00	-3.25	1.17	3	H	NaN	NaN	-
2462MHz	Pass	AV	7.386G	35.11	54.00	-18.89	6.62	3	H	NaN	NaN	-
2462MHz	Pass	PK	2.4628G	110.15	Inf	-Inf	30.46	3	H	NaN	NaN	-
2462MHz	Pass	PK	2.4876G	59.16	74.00	-14.84	30.54	3	H	NaN	NaN	-
2462MHz	Pass	PK	4.924G	52.71	74.00	-21.29	1.17	3	H	NaN	NaN	-
2462MHz	Pass	PK	7.386G	49.27	74.00	-24.73	6.62	3	H	NaN	NaN	-
2462MHz	Pass	PK	9.848G	52.31	Inf	-Inf	9.71	3	H	NaN	NaN	-
2462MHz	Pass	AV	4.924G	40.02	54.00	-13.98	1.17	3	V	NaN	NaN	-
2462MHz	Pass	AV	7.386G	35.25	54.00	-18.75	6.62	3	V	NaN	NaN	-
2462MHz	Pass	PK	4.924G	46.20	74.00	-27.80	1.17	3	V	NaN	NaN	-
2462MHz	Pass	PK	7.386G	49.70	74.00	-24.30	6.62	3	V	NaN	NaN	-
2462MHz	Pass	PK	9.848G	51.88	Inf	-Inf	9.71	3	V	NaN	NaN	-
802.11g_Nss1_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389998G	52.68	54.00	-1.32	30.23	3	H	NaN	NaN	-
2412MHz	Pass	AV	2.409008G	99.10	Inf	-Inf	30.29	3	H	NaN	NaN	-
2412MHz	Pass	AV	4.824G	32.64	54.00	-21.36	0.95	3	H	NaN	NaN	-
2412MHz	Pass	PK	2.389998G	69.07	74.00	-4.93	30.23	3	H	NaN	NaN	-



RSE TX above 1GHz Result

Appendix E.3

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	2.40968G	109.07	Inf	-Inf	30.29	3	H	NaN	NaN	-
2412MHz	Pass	PK	4.824G	48.98	74.00	-25.02	0.95	3	H	NaN	NaN	-
2412MHz	Pass	PK	7.236G	48.22	Inf	-Inf	6.26	3	H	NaN	NaN	-
2412MHz	Pass	PK	9.648G	51.29	Inf	-Inf	9.49	3	H	NaN	NaN	-
2412MHz	Pass	AV	4.824G	28.54	54.00	-25.46	0.95	3	V	NaN	NaN	-
2412MHz	Pass	PK	4.824G	43.27	74.00	-30.73	0.95	3	V	NaN	NaN	-
2412MHz	Pass	PK	7.236G	48.64	Inf	-Inf	6.26	3	V	NaN	NaN	-
2412MHz	Pass	PK	9.648G	51.49	Inf	-Inf	9.49	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.38904G	49.53	54.00	-4.47	30.23	3	H	NaN	NaN	-
2437MHz	Pass	AV	2.43844G	107.78	Inf	-Inf	30.38	3	H	NaN	NaN	-
2437MHz	Pass	AV	2.48366G	52.81	54.00	-1.19	30.53	3	H	NaN	NaN	-
2437MHz	Pass	AV	4.874G	44.60	54.00	-9.40	1.06	3	H	NaN	NaN	-
2437MHz	Pass	AV	7.311G	34.11	54.00	-19.89	6.44	3	H	NaN	NaN	-
2437MHz	Pass	PK	2.38904G	71.04	74.00	-2.96	30.23	3	H	NaN	NaN	-
2437MHz	Pass	PK	2.43844G	118.51	Inf	-Inf	30.38	3	H	NaN	NaN	-
2437MHz	Pass	PK	2.4848G	69.43	74.00	-4.57	30.53	3	H	NaN	NaN	-
2437MHz	Pass	PK	4.874G	58.02	74.00	-15.98	1.06	3	H	NaN	NaN	-
2437MHz	Pass	PK	7.311G	48.38	74.00	-25.62	6.44	3	H	NaN	NaN	-
2437MHz	Pass	PK	9.748G	54.67	Inf	-Inf	9.60	3	H	NaN	NaN	-
2437MHz	Pass	AV	4.874G	37.04	54.00	-16.96	1.06	3	V	NaN	NaN	-
2437MHz	Pass	AV	7.311G	35.98	54.00	-18.02	6.44	3	V	NaN	NaN	-
2437MHz	Pass	PK	4.874G	51.25	74.00	-22.75	1.06	3	V	NaN	NaN	-
2437MHz	Pass	PK	7.311G	50.79	74.00	-23.21	6.44	3	V	NaN	NaN	-
2437MHz	Pass	PK	9.748G	52.38	Inf	-Inf	9.60	3	V	NaN	NaN	-
2462MHz	Pass	AV	2.4558G	100.28	Inf	-Inf	30.44	3	H	NaN	NaN	-
2462MHz	Pass	AV	2.483502G	52.71	54.00	-1.29	30.53	3	H	NaN	NaN	-
2462MHz	Pass	AV	4.924G	34.59	54.00	-19.41	1.17	3	H	NaN	NaN	-
2462MHz	Pass	AV	7.386G	34.32	54.00	-19.68	6.62	3	H	NaN	NaN	-
2462MHz	Pass	PK	2.4654G	110.73	Inf	-Inf	30.47	3	H	NaN	NaN	-
2462MHz	Pass	PK	2.4836G	71.89	74.00	-2.11	30.53	3	H	NaN	NaN	-
2462MHz	Pass	PK	4.924G	49.31	74.00	-24.69	1.17	3	H	NaN	NaN	-
2462MHz	Pass	PK	7.386G	48.93	74.00	-25.07	6.62	3	H	NaN	NaN	-
2462MHz	Pass	PK	9.848G	51.73	Inf	-Inf	9.71	3	H	NaN	NaN	-
2462MHz	Pass	AV	4.924G	29.15	54.00	-24.85	1.17	3	V	NaN	NaN	-
2462MHz	Pass	AV	7.386G	34.52	54.00	-19.48	6.62	3	V	NaN	NaN	-
2462MHz	Pass	PK	4.924G	43.40	74.00	-30.60	1.17	3	V	NaN	NaN	-
2462MHz	Pass	PK	7.386G	48.71	74.00	-25.29	6.62	3	V	NaN	NaN	-
2462MHz	Pass	PK	9.848G	52.10	Inf	-Inf	9.71	3	V	NaN	NaN	-
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389998G	52.30	54.00	-1.70	30.23	3	H	NaN	NaN	-
2412MHz	Pass	AV	2.409232G	98.61	Inf	-Inf	30.29	3	H	NaN	NaN	-
2412MHz	Pass	AV	4.824G	30.71	54.00	-23.29	0.95	3	H	NaN	NaN	-
2412MHz	Pass	PK	2.389998G	70.06	74.00	-3.94	30.23	3	H	NaN	NaN	-
2412MHz	Pass	PK	2.408112G	109.14	Inf	-Inf	30.29	3	H	NaN	NaN	-
2412MHz	Pass	PK	4.824G	46.19	74.00	-27.81	0.95	3	H	NaN	NaN	-
2412MHz	Pass	PK	7.236G	47.56	Inf	-Inf	6.26	3	H	NaN	NaN	-
2412MHz	Pass	PK	9.648G	51.09	Inf	-Inf	9.49	3	H	NaN	NaN	-
2412MHz	Pass	AV	4.824G	28.29	54.00	-25.71	0.95	3	V	NaN	NaN	-
2412MHz	Pass	PK	4.824G	42.21	74.00	-31.79	0.95	3	V	NaN	NaN	-



RSE TX above 1GHz Result

Appendix E.3

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	7.236G	47.07	Inf	-Inf	6.26	3	V	NaN	NaN	-
2412MHz	Pass	PK	9.648G	51.05	Inf	-Inf	9.49	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.389998G	52.77	54.00	-1.23	30.23	3	H	NaN	NaN	-
2437MHz	Pass	AV	2.43274G	107.00	Inf	-Inf	30.36	3	H	NaN	NaN	-
2437MHz	Pass	AV	2.48974G	49.29	54.00	-4.71	30.55	3	H	NaN	NaN	-
2437MHz	Pass	AV	4.874G	44.12	54.00	-9.88	1.06	3	H	NaN	NaN	-
2437MHz	Pass	AV	7.311G	34.74	54.00	-19.26	6.44	3	H	NaN	NaN	-
2437MHz	Pass	PK	2.38068G	68.76	74.00	-5.24	30.20	3	H	NaN	NaN	-
2437MHz	Pass	PK	2.43426G	117.42	Inf	-Inf	30.37	3	H	NaN	NaN	-
2437MHz	Pass	PK	2.48442G	71.56	74.00	-2.44	30.53	3	H	NaN	NaN	-
2437MHz	Pass	PK	4.874G	58.12	74.00	-15.88	1.06	3	H	NaN	NaN	-
2437MHz	Pass	PK	7.311G	49.71	74.00	-24.29	6.44	3	H	NaN	NaN	-
2437MHz	Pass	PK	9.748G	52.51	Inf	-Inf	9.60	3	H	NaN	NaN	-
2437MHz	Pass	AV	4.874G	36.58	54.00	-17.42	1.06	3	V	NaN	NaN	-
2437MHz	Pass	AV	7.311G	37.70	54.00	-16.30	6.44	3	V	NaN	NaN	-
2437MHz	Pass	PK	4.874G	50.99	74.00	-23.01	1.06	3	V	NaN	NaN	-
2437MHz	Pass	PK	7.311G	52.51	74.00	-21.49	6.44	3	V	NaN	NaN	-
2437MHz	Pass	PK	9.748G	52.14	Inf	-Inf	9.60	3	V	NaN	NaN	-
2462MHz	Pass	AV	2.4686G	98.01	Inf	-Inf	30.48	3	H	NaN	NaN	-
2462MHz	Pass	AV	2.483502G	52.49	54.00	-1.51	30.53	3	H	NaN	NaN	-
2462MHz	Pass	PK	2.468G	107.97	Inf	-Inf	30.48	3	H	NaN	NaN	-
2462MHz	Pass	PK	2.4848G	69.22	74.00	-4.78	30.53	3	H	NaN	NaN	-
2462MHz	Pass	AV	4.924G	32.23	54.00	-21.77	1.17	3	H	NaN	NaN	-
2462MHz	Pass	AV	7.386G	34.20	54.00	-19.80	6.62	3	H	NaN	NaN	-
2462MHz	Pass	PK	4.924G	48.87	74.00	-25.13	1.17	3	H	NaN	NaN	-
2462MHz	Pass	PK	7.386G	48.58	74.00	-25.42	6.62	3	H	NaN	NaN	-
2462MHz	Pass	PK	9.848G	51.78	Inf	-Inf	9.71	3	H	NaN	NaN	-
2462MHz	Pass	AV	4.924G	28.91	54.00	-25.09	1.17	3	V	NaN	NaN	-
2462MHz	Pass	AV	7.386G	34.16	54.00	-19.84	6.62	3	V	NaN	NaN	-
2462MHz	Pass	PK	4.924G	43.14	74.00	-30.86	1.17	3	V	NaN	NaN	-
2462MHz	Pass	PK	7.386G	48.29	74.00	-25.71	6.62	3	V	NaN	NaN	-
2462MHz	Pass	PK	9.848G	52.36	Inf	-Inf	9.71	3	V	NaN	NaN	-
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.389998G	52.89	54.00	-1.11	30.23	3	H	NaN	NaN	-
2422MHz	Pass	AV	2.410584G	92.04	Inf	-Inf	30.29	3	H	NaN	NaN	-
2422MHz	Pass	AV	4.844G	28.83	54.00	-25.17	0.99	3	H	NaN	NaN	-
2422MHz	Pass	AV	7.266G	33.75	54.00	-20.25	6.33	3	H	NaN	NaN	-
2422MHz	Pass	PK	2.389728G	71.88	74.00	-2.12	30.23	3	H	NaN	NaN	-
2422MHz	Pass	PK	2.433024G	102.34	Inf	-Inf	30.37	3	H	NaN	NaN	-
2422MHz	Pass	PK	4.844G	43.55	74.00	-30.45	0.99	3	H	NaN	NaN	-
2422MHz	Pass	PK	7.266G	48.05	74.00	-25.95	6.33	3	H	NaN	NaN	-
2422MHz	Pass	PK	9.688G	51.56	Inf	-Inf	9.54	3	H	NaN	NaN	-
2422MHz	Pass	AV	4.844G	28.31	54.00	-25.69	0.99	3	V	NaN	NaN	-
2422MHz	Pass	AV	7.266G	33.73	54.00	-20.27	6.33	3	V	NaN	NaN	-
2422MHz	Pass	PK	4.844G	42.86	74.00	-31.14	0.99	3	V	NaN	NaN	-
2422MHz	Pass	PK	7.266G	48.41	74.00	-25.59	6.33	3	V	NaN	NaN	-
2422MHz	Pass	PK	9.688G	50.77	Inf	-Inf	9.54	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.389998G	52.74	54.00	-1.26	30.23	3	H	NaN	NaN	-
2437MHz	Pass	AV	2.424G	96.90	Inf	-Inf	30.34	3	H	NaN	NaN	-



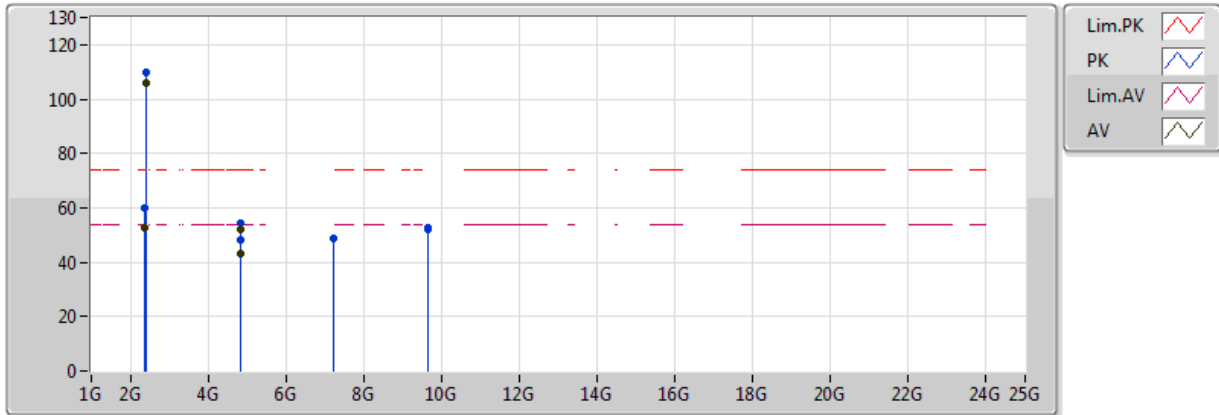
RSE TX above 1GHz Result

Appendix E.3

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	AV	2.48404G	52.63	54.00	-1.37	30.53	3	H	NaN	NaN	-
2437MHz	Pass	AV	4.874G	32.17	54.00	-21.83	1.06	3	H	NaN	NaN	-
2437MHz	Pass	AV	7.311G	33.70	54.00	-20.30	6.44	3	H	NaN	NaN	-
2437MHz	Pass	PK	2.38942G	70.74	74.00	-3.26	30.23	3	H	NaN	NaN	-
2437MHz	Pass	PK	2.42362G	107.13	Inf	-Inf	30.34	3	H	NaN	NaN	-
2437MHz	Pass	PK	2.48594G	68.58	74.00	-5.42	30.54	3	H	NaN	NaN	-
2437MHz	Pass	PK	4.874G	46.41	74.00	-27.59	1.06	3	H	NaN	NaN	-
2437MHz	Pass	PK	7.311G	48.34	74.00	-25.66	6.44	3	H	NaN	NaN	-
2437MHz	Pass	PK	9.748G	51.72	Inf	-Inf	9.60	3	H	NaN	NaN	-
2437MHz	Pass	AV	4.874G	28.72	54.00	-25.28	1.06	3	V	NaN	NaN	-
2437MHz	Pass	AV	7.311G	33.73	54.00	-20.27	6.44	3	V	NaN	NaN	-
2437MHz	Pass	PK	4.874G	42.60	74.00	-31.40	1.06	3	V	NaN	NaN	-
2437MHz	Pass	PK	7.311G	48.11	74.00	-25.89	6.44	3	V	NaN	NaN	-
2437MHz	Pass	PK	9.748G	52.71	Inf	-Inf	9.60	3	V	NaN	NaN	-
2452MHz	Pass	AV	2.46728G	92.43	Inf	-Inf	30.48	3	H	NaN	NaN	-
2452MHz	Pass	AV	2.4836G	52.42	54.00	-1.58	30.53	3	H	NaN	NaN	-
2452MHz	Pass	AV	4.904G	29.80	54.00	-24.20	1.12	3	H	NaN	NaN	-
2452MHz	Pass	AV	7.356G	34.08	54.00	-19.92	6.54	3	H	NaN	NaN	-
2452MHz	Pass	PK	2.44712G	102.64	Inf	-Inf	30.41	3	H	NaN	NaN	-
2452MHz	Pass	PK	2.48432G	70.09	74.00	-3.91	30.53	3	H	NaN	NaN	-
2452MHz	Pass	PK	4.904G	43.10	74.00	-30.90	1.12	3	H	NaN	NaN	-
2452MHz	Pass	PK	7.356G	49.21	74.00	-24.79	6.54	3	H	NaN	NaN	-
2452MHz	Pass	PK	9.808G	51.66	Inf	-Inf	9.67	3	H	NaN	NaN	-
2452MHz	Pass	AV	4.904G	28.65	54.00	-25.35	1.12	3	V	NaN	NaN	-
2452MHz	Pass	AV	7.356G	34.02	54.00	-19.98	6.54	3	V	NaN	NaN	-
2452MHz	Pass	PK	4.904G	43.19	74.00	-30.81	1.12	3	V	NaN	NaN	-
2452MHz	Pass	PK	7.356G	48.39	74.00	-25.61	6.54	3	V	NaN	NaN	-
2452MHz	Pass	PK	9.808G	51.59	Inf	-Inf	9.67	3	V	NaN	NaN	-

802.11b_Nss1_2TX

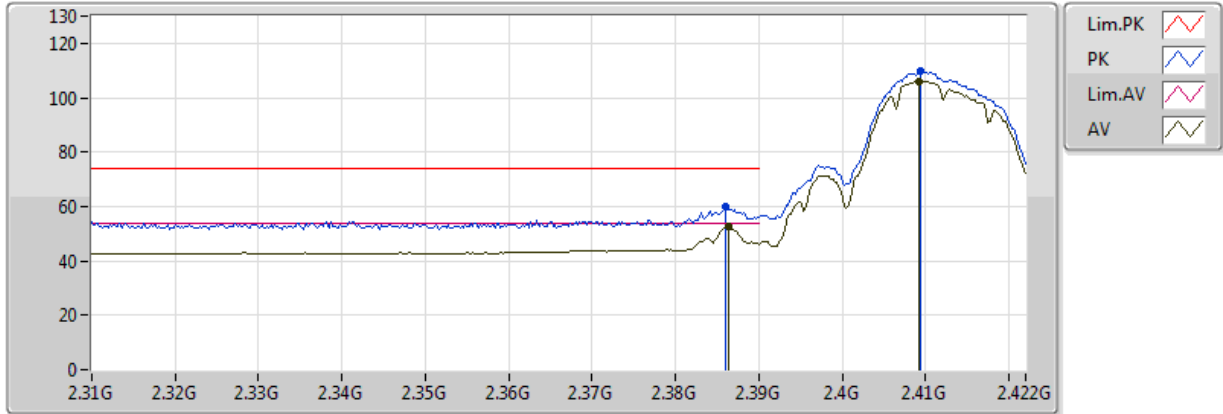
2412MHz_Ant PCB+PCB



PCB ANT = ANT A+ANT B
EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.386384G	52.51	54.00	-1.49	30.22	3	H	NaN	NaN	-
AV	2.409232G	105.89	Inf	-Inf	30.29	3	H	NaN	NaN	-
PK	2.385936G	59.96	74.00	-14.04	30.22	3	H	NaN	NaN	-
PK	2.409456G	109.56	Inf	-Inf	30.29	3	H	NaN	NaN	-
AV	4.824G	52.11	54.00	-1.89	0.95	3	H	NaN	NaN	-
PK	4.824G	54.35	74.00	-19.65	0.95	3	H	NaN	NaN	-
PK	7.236G	48.60	Inf	-Inf	6.26	3	H	NaN	NaN	-
PK	9.648G	52.27	Inf	-Inf	9.49	3	H	NaN	NaN	-
AV	4.824G	43.09	54.00	-10.91	0.95	3	V	NaN	NaN	-
PK	4.824G	48.29	74.00	-25.71	0.95	3	V	NaN	NaN	-
PK	7.236G	48.51	Inf	-Inf	6.26	3	V	NaN	NaN	-
PK	9.648G	52.49	Inf	-Inf	9.49	3	V	NaN	NaN	-

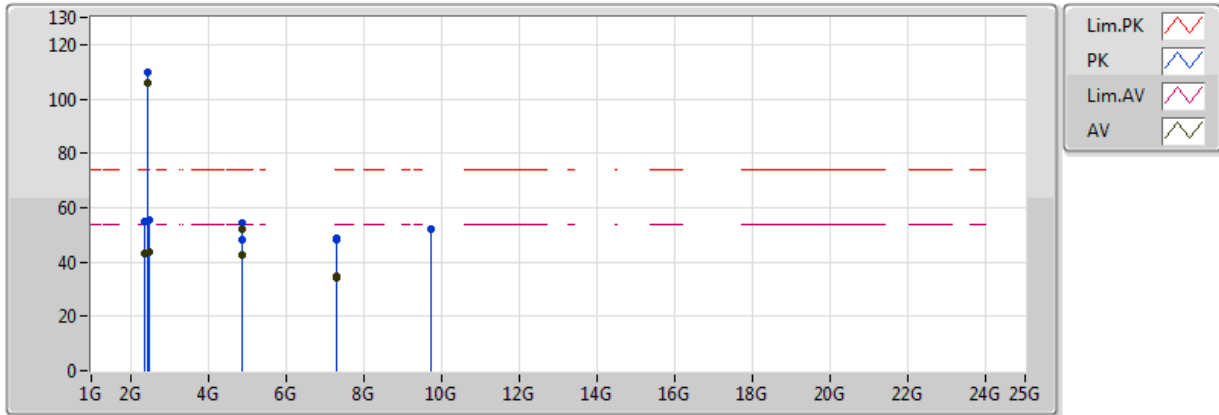
802.11b_Nss1_2TX
2412MHz_Ant PCB+PCB



PCB ANT = ANT A+ ANT B
 EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.386384G	52.51	54.00	-1.49	30.22	3	H	NaN	NaN	-
AV	2.409232G	105.89	Inf	-Inf	30.29	3	H	NaN	NaN	-
PK	2.385936G	59.96	74.00	-14.04	30.22	3	H	NaN	NaN	-
PK	2.409456G	109.56	Inf	-Inf	30.29	3	H	NaN	NaN	-

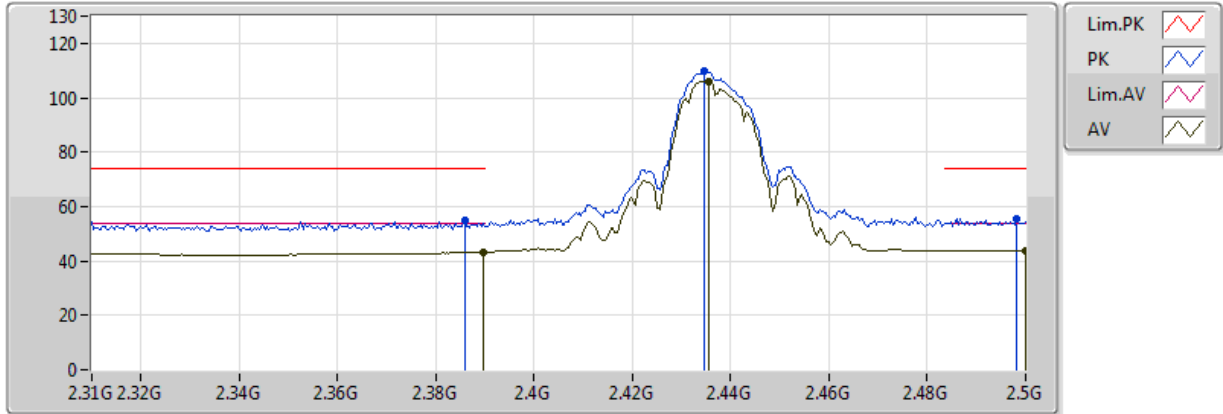
802.11b_Nss1_2TX 2437MHz_Ant PCB+PCB



PCB ANT = ANT A+ANT B
EUT = Z axis, ANT= Z axis

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	43.35	54.00	-10.65	30.23	3	H	NaN	NaN	-
AV	2.4354G	105.91	Inf	-Inf	30.37	3	H	NaN	NaN	-
AV	2.5G	43.85	54.00	-10.15	30.58	3	H	NaN	NaN	-
AV	4.874G	52.32	54.00	-1.68	1.06	3	H	NaN	NaN	-
AV	7.311G	34.33	54.00	-19.67	6.44	3	H	NaN	NaN	-
PK	2.386G	54.94	74.00	-19.06	30.22	3	H	NaN	NaN	-
PK	2.43464G	109.69	Inf	-Inf	30.37	3	H	NaN	NaN	-
PK	2.4981G	55.42	74.00	-18.58	30.57	3	H	NaN	NaN	-
PK	4.874G	54.50	74.00	-19.50	1.06	3	H	NaN	NaN	-
PK	7.311G	48.76	74.00	-25.24	6.44	3	H	NaN	NaN	-
PK	9.748G	52.18	Inf	-Inf	9.60	3	H	NaN	NaN	-
AV	4.874G	42.76	54.00	-11.24	1.06	3	V	NaN	NaN	-
AV	7.311G	34.52	54.00	-19.48	6.44	3	V	NaN	NaN	-
PK	4.874G	48.19	74.00	-25.81	1.06	3	V	NaN	NaN	-
PK	7.311G	48.40	74.00	-25.60	6.44	3	V	NaN	NaN	-
PK	9.748G	52.01	Inf	-Inf	9.60	3	V	NaN	NaN	-

802.11b_Nss1_2TX
2437MHz_Ant PCB+PCB

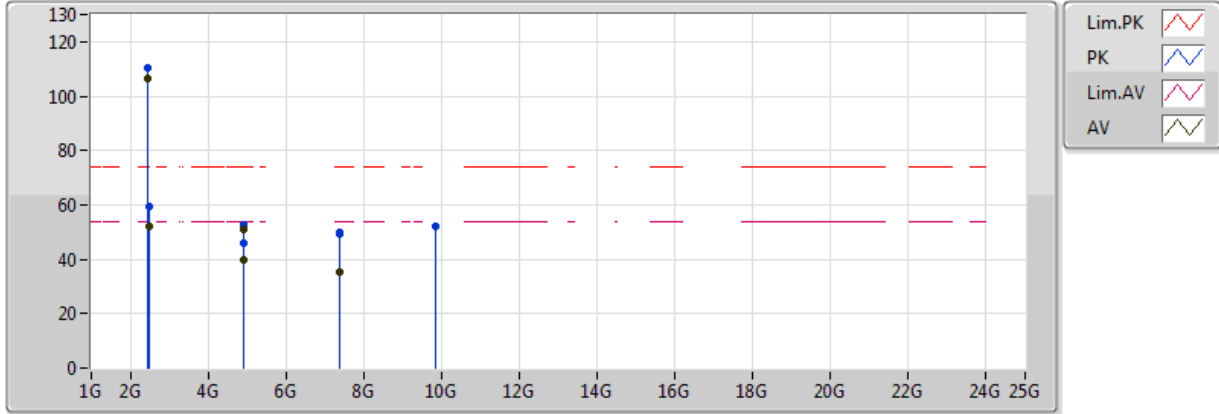


PCB ANT = ANT A+ANT B
 EUT = Z axis, ANT= Z axis

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	43.35	54.00	-10.65	30.23	3	H	NaN	NaN	-
AV	2.4354G	105.91	Inf	-Inf	30.37	3	H	NaN	NaN	-
AV	2.5G	43.85	54.00	-10.15	30.58	3	H	NaN	NaN	-
PK	2.386G	54.94	74.00	-19.06	30.22	3	H	NaN	NaN	-
PK	2.43464G	109.69	Inf	-Inf	30.37	3	H	NaN	NaN	-
PK	2.4981G	55.42	74.00	-18.58	30.57	3	H	NaN	NaN	-

802.11b_Nss1_2TX

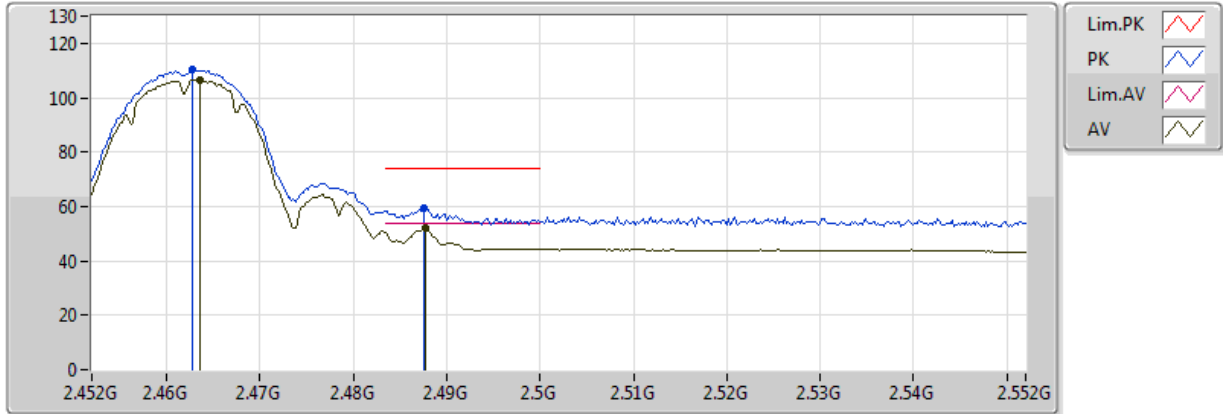
2462MHz_Ant PCB+PCB



PCB ANT = ANT A+ANT B
EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4636G	106.63	Inf	-Inf	30.46	3	H	NaN	NaN	-
AV	2.4878G	52.03	54.00	-1.97	30.54	3	H	NaN	NaN	-
AV	4.924G	50.75	54.00	-3.25	1.17	3	H	NaN	NaN	-
AV	7.386G	35.11	54.00	-18.89	6.62	3	H	NaN	NaN	-
PK	2.4628G	110.15	Inf	-Inf	30.46	3	H	NaN	NaN	-
PK	2.4876G	59.16	74.00	-14.84	30.54	3	H	NaN	NaN	-
PK	4.924G	52.71	74.00	-21.29	1.17	3	H	NaN	NaN	-
PK	7.386G	49.27	74.00	-24.73	6.62	3	H	NaN	NaN	-
PK	9.848G	52.31	Inf	-Inf	9.71	3	H	NaN	NaN	-
AV	4.924G	40.02	54.00	-13.98	1.17	3	V	NaN	NaN	-
AV	7.386G	35.25	54.00	-18.75	6.62	3	V	NaN	NaN	-
PK	4.924G	46.20	74.00	-27.80	1.17	3	V	NaN	NaN	-
PK	7.386G	49.70	74.00	-24.30	6.62	3	V	NaN	NaN	-
PK	9.848G	51.88	Inf	-Inf	9.71	3	V	NaN	NaN	-

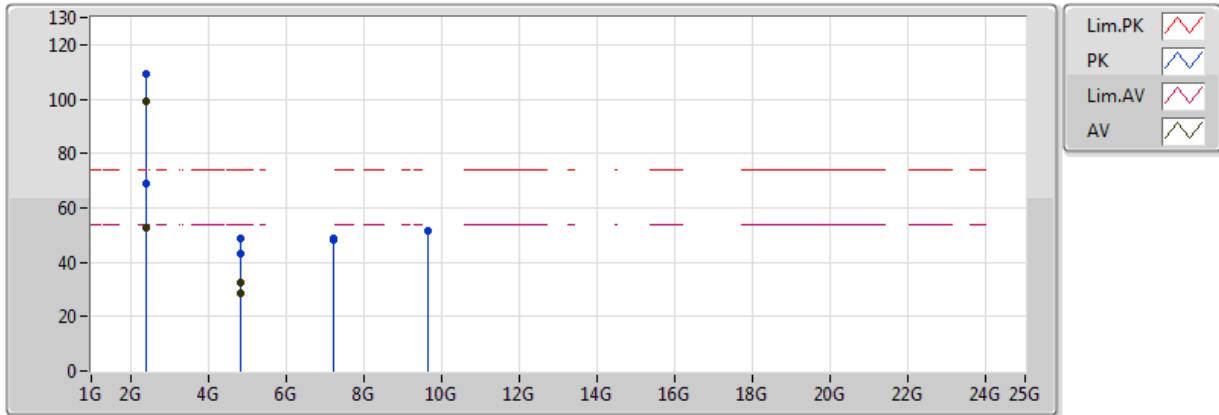
802.11b_Nss1_2TX
2462MHz_Ant PCB+PCB



PCB ANT = ANT A+ ANT B
 EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4636G	106.63	Inf	-Inf	30.46	3	H	NaN	NaN	-
AV	2.4878G	52.03	54.00	-1.97	30.54	3	H	NaN	NaN	-
PK	2.4628G	110.15	Inf	-Inf	30.46	3	H	NaN	NaN	-
PK	2.4876G	59.16	74.00	-14.84	30.54	3	H	NaN	NaN	-

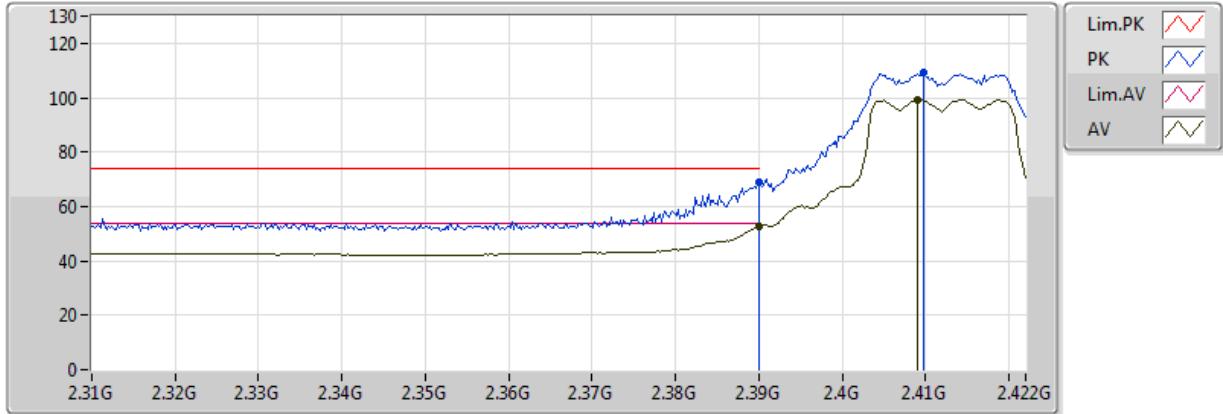
802.11g_Nss1_2TX 2412MHz_Ant PCB+PCB



PCB ANT = ANT A+ANT B
EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	52.68	54.00	-1.32	30.23	3	H	NaN	NaN	-
AV	2.409008G	99.10	Inf	-Inf	30.29	3	H	NaN	NaN	-
AV	4.824G	32.64	54.00	-21.36	0.95	3	H	NaN	NaN	-
PK	2.389998G	69.07	74.00	-4.93	30.23	3	H	NaN	NaN	-
PK	2.40968G	109.07	Inf	-Inf	30.29	3	H	NaN	NaN	-
PK	4.824G	48.98	74.00	-25.02	0.95	3	H	NaN	NaN	-
PK	7.236G	48.22	Inf	-Inf	6.26	3	H	NaN	NaN	-
PK	9.648G	51.29	Inf	-Inf	9.49	3	H	NaN	NaN	-
AV	4.824G	28.54	54.00	-25.46	0.95	3	V	NaN	NaN	-
PK	4.824G	43.27	74.00	-30.73	0.95	3	V	NaN	NaN	-
PK	7.236G	48.64	Inf	-Inf	6.26	3	V	NaN	NaN	-
PK	9.648G	51.49	Inf	-Inf	9.49	3	V	NaN	NaN	-

802.11g_Nss1_2TX
2412MHz_Ant PCB+PCB

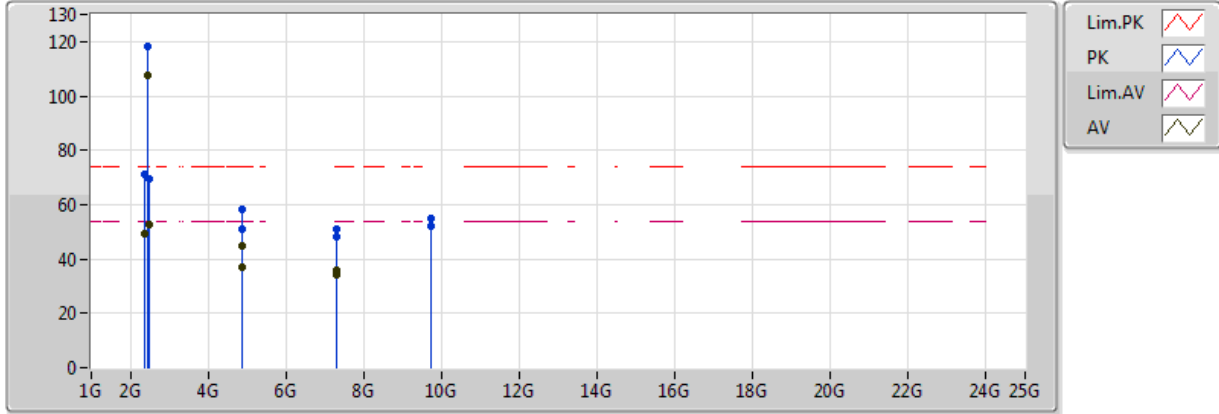


PCB ANT = ANT A+ ANT B
 EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	52.68	54.00	-1.32	30.23	3	H	NaN	NaN	-
AV	2.409008G	99.10	Inf	-Inf	30.29	3	H	NaN	NaN	-
PK	2.389998G	69.07	74.00	-4.93	30.23	3	H	NaN	NaN	-
PK	2.40968G	109.07	Inf	-Inf	30.29	3	H	NaN	NaN	-

802.11g_Nss1_2TX

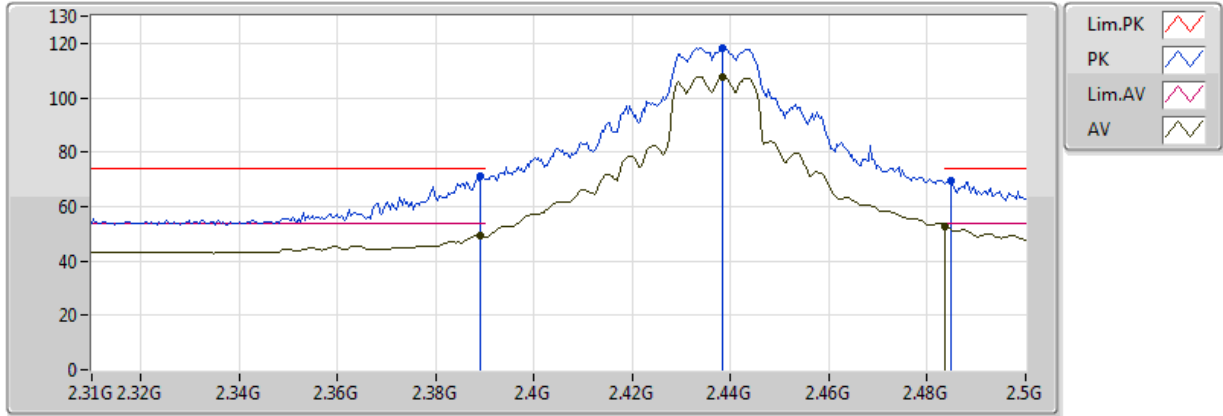
2437MHz_Ant PCB+PCB



PCB ANT = ANT A+ANT B
EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.38904G	49.53	54.00	-4.47	30.23	3	H	NaN	NaN	-
AV	2.43844G	107.78	Inf	-Inf	30.38	3	H	NaN	NaN	-
AV	2.48366G	52.81	54.00	-1.19	30.53	3	H	NaN	NaN	-
AV	4.874G	44.60	54.00	-9.40	1.06	3	H	NaN	NaN	-
AV	7.311G	34.11	54.00	-19.89	6.44	3	H	NaN	NaN	-
PK	2.38904G	71.04	74.00	-2.96	30.23	3	H	NaN	NaN	-
PK	2.43844G	118.51	Inf	-Inf	30.38	3	H	NaN	NaN	-
PK	2.4848G	69.43	74.00	-4.57	30.53	3	H	NaN	NaN	-
PK	4.874G	58.02	74.00	-15.98	1.06	3	H	NaN	NaN	-
PK	7.311G	48.38	74.00	-25.62	6.44	3	H	NaN	NaN	-
PK	9.748G	54.67	Inf	-Inf	9.60	3	H	NaN	NaN	-
AV	4.874G	37.04	54.00	-16.96	1.06	3	V	NaN	NaN	-
AV	7.311G	35.98	54.00	-18.02	6.44	3	V	NaN	NaN	-
PK	4.874G	51.25	74.00	-22.75	1.06	3	V	NaN	NaN	-
PK	7.311G	50.79	74.00	-23.21	6.44	3	V	NaN	NaN	-
PK	9.748G	52.38	Inf	-Inf	9.60	3	V	NaN	NaN	-

802.11g_Nss1_2TX
2437MHz_Ant PCB+PCB

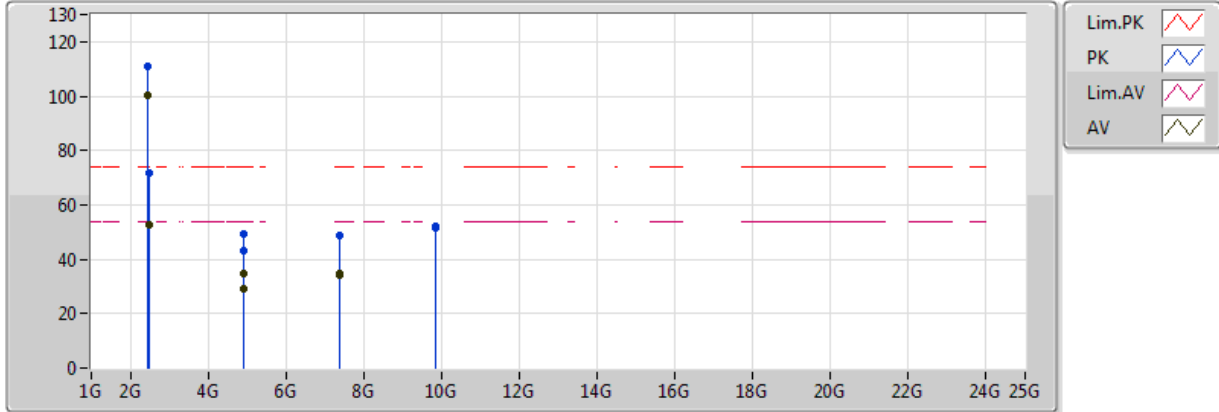


PCB ANT = ANT A+ANT B
 EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.38904G	49.53	54.00	-4.47	30.23	3	H	NaN	NaN	-
AV	2.43844G	107.78	Inf	-Inf	30.38	3	H	NaN	NaN	-
AV	2.48366G	52.81	54.00	-1.19	30.53	3	H	NaN	NaN	-
PK	2.38904G	71.04	74.00	-2.96	30.23	3	H	NaN	NaN	-
PK	2.43844G	118.51	Inf	-Inf	30.38	3	H	NaN	NaN	-
PK	2.4848G	69.43	74.00	-4.57	30.53	3	H	NaN	NaN	-

802.11g_Nss1_2TX

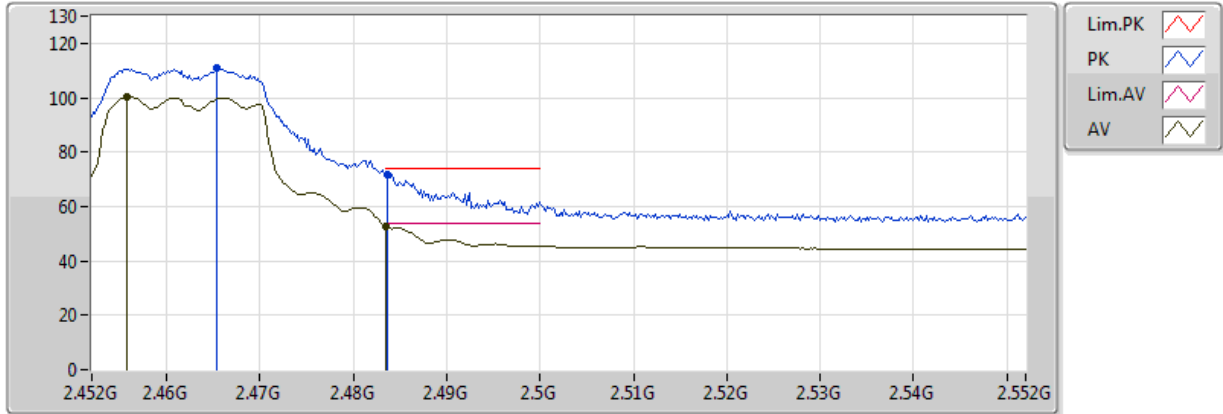
2462MHz_Ant PCB+PCB



PCB ANT = ANT A+ANT B
 EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4558G	100.28	Inf	-Inf	30.44	3	H	NaN	NaN	-
AV	2.483502G	52.71	54.00	-1.29	30.53	3	H	NaN	NaN	-
AV	4.924G	34.59	54.00	-19.41	1.17	3	H	NaN	NaN	-
AV	7.386G	34.32	54.00	-19.68	6.62	3	H	NaN	NaN	-
PK	2.4654G	110.73	Inf	-Inf	30.47	3	H	NaN	NaN	-
PK	2.4836G	71.89	74.00	-2.11	30.53	3	H	NaN	NaN	-
PK	4.924G	49.31	74.00	-24.69	1.17	3	H	NaN	NaN	-
PK	7.386G	48.93	74.00	-25.07	6.62	3	H	NaN	NaN	-
PK	9.848G	51.73	Inf	-Inf	9.71	3	H	NaN	NaN	-
AV	4.924G	29.15	54.00	-24.85	1.17	3	V	NaN	NaN	-
AV	7.386G	34.52	54.00	-19.48	6.62	3	V	NaN	NaN	-
PK	4.924G	43.40	74.00	-30.60	1.17	3	V	NaN	NaN	-
PK	7.386G	48.71	74.00	-25.29	6.62	3	V	NaN	NaN	-
PK	9.848G	52.10	Inf	-Inf	9.71	3	V	NaN	NaN	-

802.11g_Nss1_2TX
2462MHz_Ant PCB+PCB

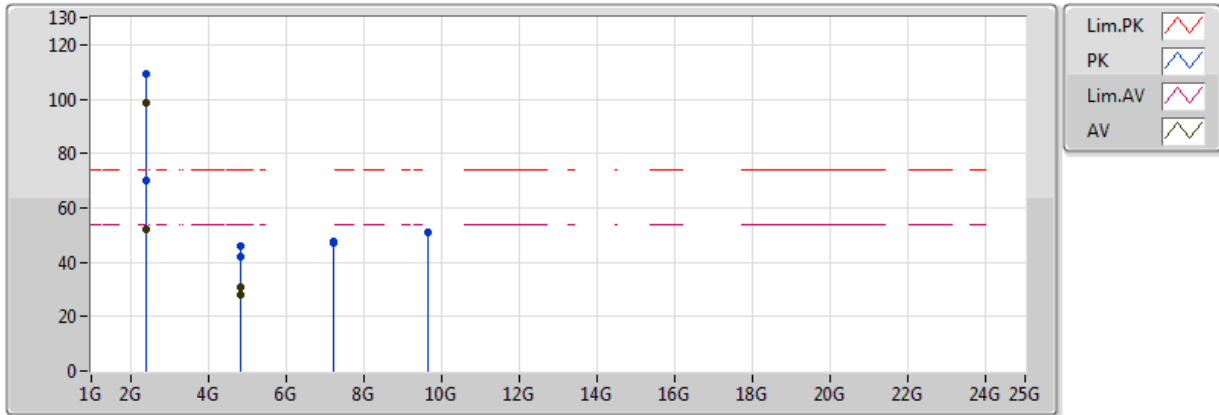


PCB ANT = ANT A+ ANT B
 EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4558G	100.28	Inf	-Inf	30.44	3	H	NaN	NaN	-
AV	2.483502G	52.71	54.00	-1.29	30.53	3	H	NaN	NaN	-
PK	2.4654G	110.73	Inf	-Inf	30.47	3	H	NaN	NaN	-
PK	2.4836G	71.89	74.00	-2.11	30.53	3	H	NaN	NaN	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_Ant PCB+PCB

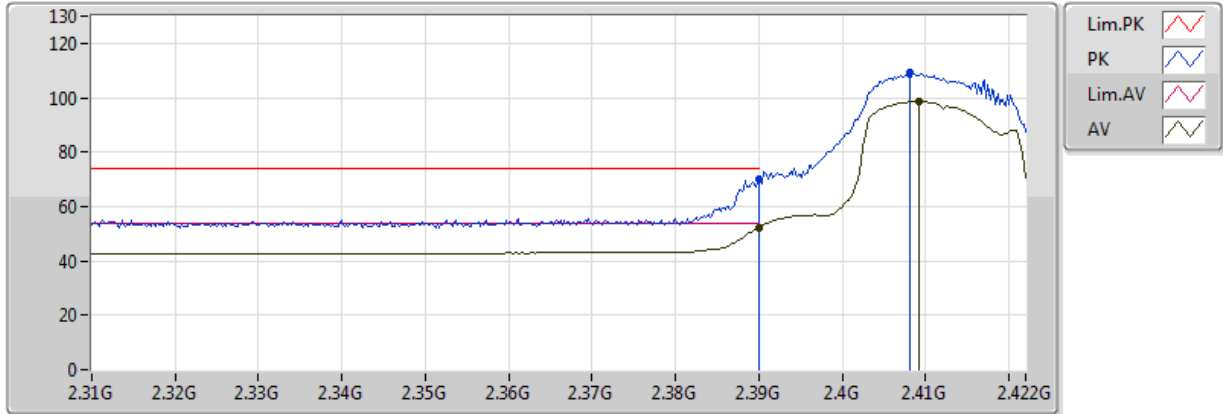


PCB ANT = ANT A+ANT B
EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	52.30	54.00	-1.70	30.23	3	H	NaN	NaN	-
AV	2.409232G	98.61	Inf	-Inf	30.29	3	H	NaN	NaN	-
AV	4.824G	30.71	54.00	-23.29	0.95	3	H	NaN	NaN	-
PK	2.389998G	70.06	74.00	-3.94	30.23	3	H	NaN	NaN	-
PK	2.408112G	109.14	Inf	-Inf	30.29	3	H	NaN	NaN	-
PK	4.824G	46.19	74.00	-27.81	0.95	3	H	NaN	NaN	-
PK	7.236G	47.56	Inf	-Inf	6.26	3	H	NaN	NaN	-
PK	9.648G	51.09	Inf	-Inf	9.49	3	H	NaN	NaN	-
AV	4.824G	28.29	54.00	-25.71	0.95	3	V	NaN	NaN	-
PK	4.824G	42.21	74.00	-31.79	0.95	3	V	NaN	NaN	-
PK	7.236G	47.07	Inf	-Inf	6.26	3	V	NaN	NaN	-
PK	9.648G	51.05	Inf	-Inf	9.49	3	V	NaN	NaN	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_Ant PCB+PCB

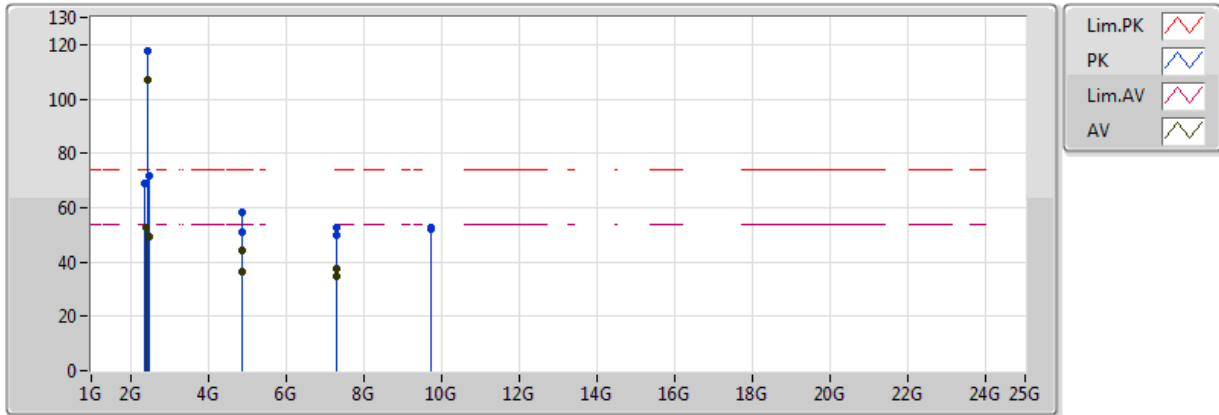


PCB ANT = ANT A+ ANT B
 EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	52.30	54.00	-1.70	30.23	3	H	NaN	NaN	-
AV	2.409232G	98.61	Inf	-Inf	30.29	3	H	NaN	NaN	-
PK	2.389998G	70.06	74.00	-3.94	30.23	3	H	NaN	NaN	-
PK	2.408112G	109.14	Inf	-Inf	30.29	3	H	NaN	NaN	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_Ant PCB+PCB

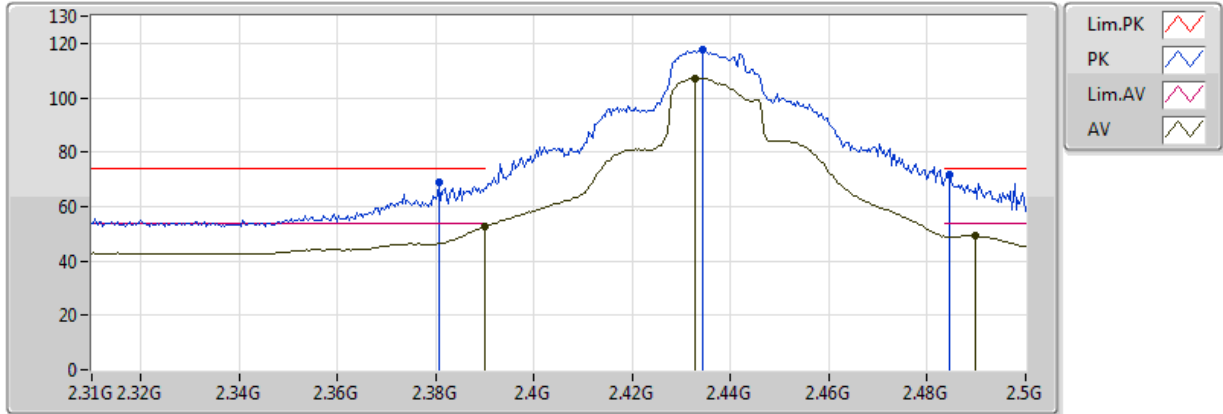


PCB ANT = ANT A+ANT B
EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.38998G	52.77	54.00	-1.23	30.23	3	H	NaN	NaN	-
AV	2.43274G	107.00	Inf	-Inf	30.36	3	H	NaN	NaN	-
AV	2.48974G	49.29	54.00	-4.71	30.55	3	H	NaN	NaN	-
AV	4.874G	44.12	54.00	-9.88	1.06	3	H	NaN	NaN	-
AV	7.311G	34.74	54.00	-19.26	6.44	3	H	NaN	NaN	-
PK	2.38068G	68.76	74.00	-5.24	30.20	3	H	NaN	NaN	-
PK	2.43426G	117.42	Inf	-Inf	30.37	3	H	NaN	NaN	-
PK	2.48442G	71.56	74.00	-2.44	30.53	3	H	NaN	NaN	-
PK	4.874G	58.12	74.00	-15.88	1.06	3	H	NaN	NaN	-
PK	7.311G	49.71	74.00	-24.29	6.44	3	H	NaN	NaN	-
PK	9.748G	52.51	Inf	-Inf	9.60	3	H	NaN	NaN	-
AV	4.874G	36.58	54.00	-17.42	1.06	3	V	NaN	NaN	-
AV	7.311G	37.70	54.00	-16.30	6.44	3	V	NaN	NaN	-
PK	4.874G	50.99	74.00	-23.01	1.06	3	V	NaN	NaN	-
PK	7.311G	52.51	74.00	-21.49	6.44	3	V	NaN	NaN	-
PK	9.748G	52.14	Inf	-Inf	9.60	3	V	NaN	NaN	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_Ant PCB+PCB

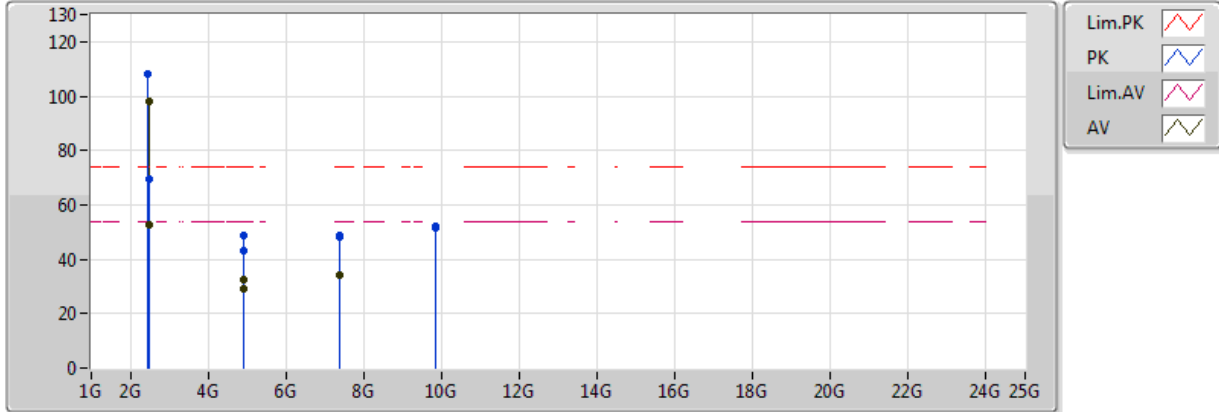


PCB ANT = ANT A+ANT B
 EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	52.77	54.00	-1.23	30.23	3	H	NaN	NaN	-
AV	2.43274G	107.00	Inf	-Inf	30.36	3	H	NaN	NaN	-
AV	2.48974G	49.29	54.00	-4.71	30.55	3	H	NaN	NaN	-
PK	2.38068G	68.76	74.00	-5.24	30.20	3	H	NaN	NaN	-
PK	2.43426G	117.42	Inf	-Inf	30.37	3	H	NaN	NaN	-
PK	2.48442G	71.56	74.00	-2.44	30.53	3	H	NaN	NaN	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_Ant PCB+PCB

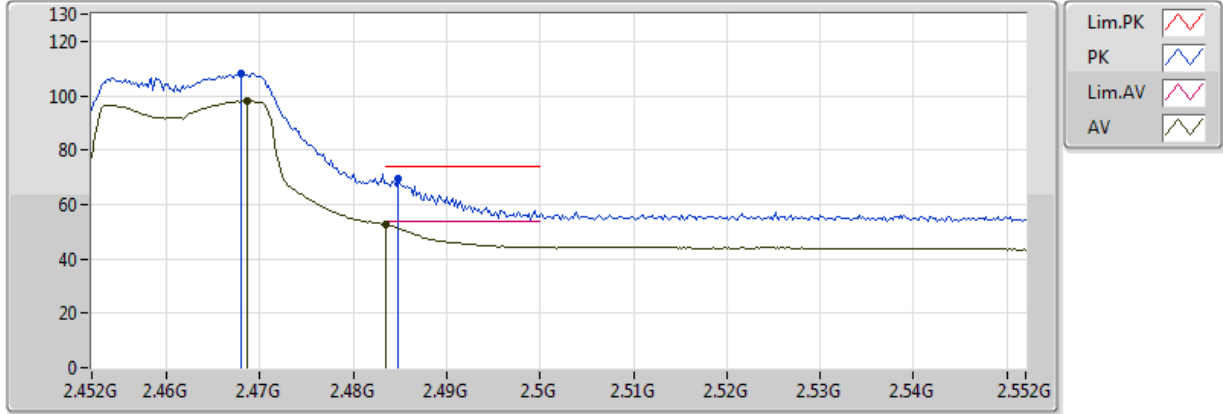


PCB ANT = ANT A+ANT B
EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4686G	98.01	Inf	-Inf	30.48	3	H	NaN	NaN	-
AV	2.483502G	52.49	54.00	-1.51	30.53	3	H	NaN	NaN	-
PK	2.468G	107.97	Inf	-Inf	30.48	3	H	NaN	NaN	-
PK	2.4848G	69.22	74.00	-4.78	30.53	3	H	NaN	NaN	-
AV	4.924G	32.23	54.00	-21.77	1.17	3	H	NaN	NaN	-
AV	7.386G	34.20	54.00	-19.80	6.62	3	H	NaN	NaN	-
PK	4.924G	48.87	74.00	-25.13	1.17	3	H	NaN	NaN	-
PK	7.386G	48.58	74.00	-25.42	6.62	3	H	NaN	NaN	-
PK	9.848G	51.78	Inf	-Inf	9.71	3	H	NaN	NaN	-
AV	4.924G	28.91	54.00	-25.09	1.17	3	V	NaN	NaN	-
AV	7.386G	34.16	54.00	-19.84	6.62	3	V	NaN	NaN	-
PK	4.924G	43.14	74.00	-30.86	1.17	3	V	NaN	NaN	-
PK	7.386G	48.29	74.00	-25.71	6.62	3	V	NaN	NaN	-
PK	9.848G	52.36	Inf	-Inf	9.71	3	V	NaN	NaN	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_Ant PCB+PCB

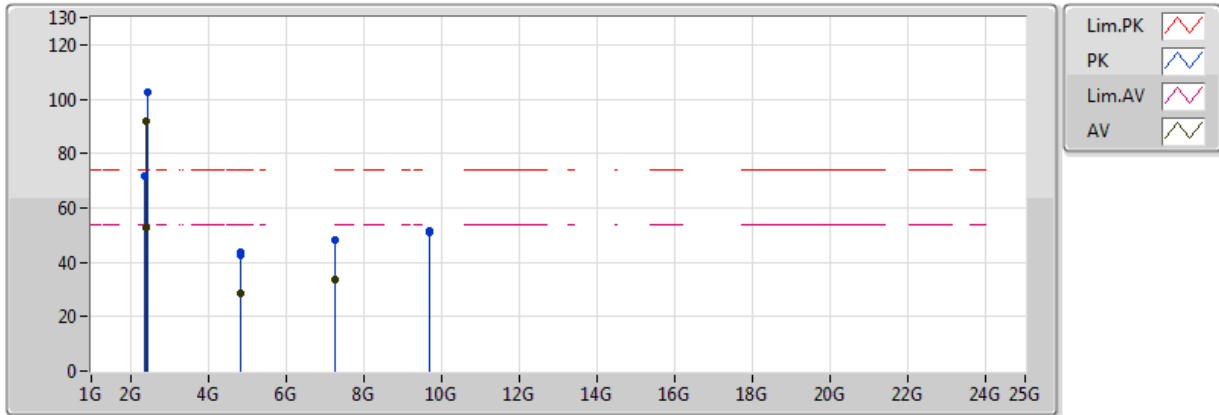


PCB ANT = ANT A+ ANT B
EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4686G	98.01	Inf	-Inf	30.48	3	H	NaN	NaN	-
AV	2.483502G	52.49	54.00	-1.51	30.53	3	H	NaN	NaN	-
PK	2.468G	107.97	Inf	-Inf	30.48	3	H	NaN	NaN	-
PK	2.4848G	69.22	74.00	-4.78	30.53	3	H	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_Ant PCB+PCB

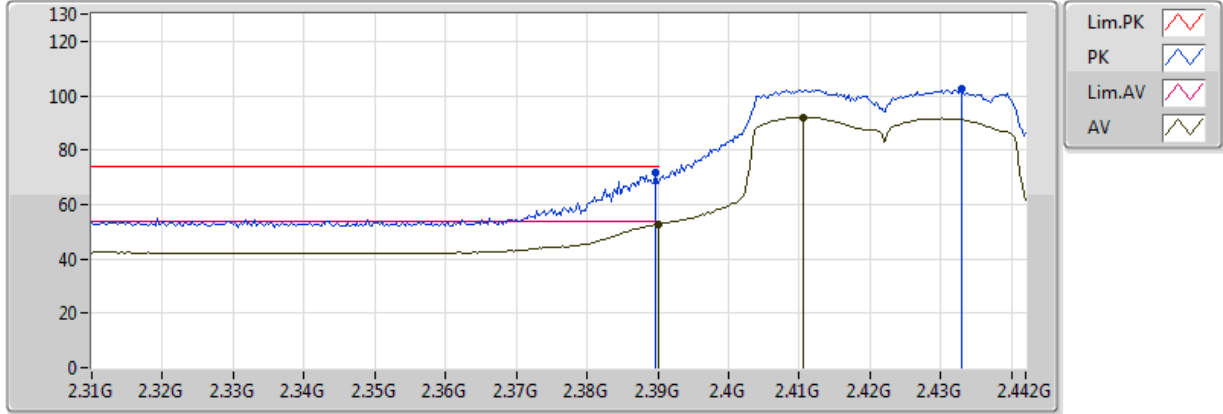


PCB ANT = ANT A+ANT B
EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	52.89	54.00	-1.11	30.23	3	H	NaN	NaN	-
AV	2.410584G	92.04	Inf	-Inf	30.29	3	H	NaN	NaN	-
AV	4.844G	28.83	54.00	-25.17	0.99	3	H	NaN	NaN	-
AV	7.266G	33.75	54.00	-20.25	6.33	3	H	NaN	NaN	-
PK	2.389728G	71.88	74.00	-2.12	30.23	3	H	NaN	NaN	-
PK	2.433024G	102.34	Inf	-Inf	30.37	3	H	NaN	NaN	-
PK	4.844G	43.55	74.00	-30.45	0.99	3	H	NaN	NaN	-
PK	7.266G	48.05	74.00	-25.95	6.33	3	H	NaN	NaN	-
PK	9.688G	51.56	Inf	-Inf	9.54	3	H	NaN	NaN	-
AV	4.844G	28.31	54.00	-25.69	0.99	3	V	NaN	NaN	-
AV	7.266G	33.73	54.00	-20.27	6.33	3	V	NaN	NaN	-
PK	4.844G	42.86	74.00	-31.14	0.99	3	V	NaN	NaN	-
PK	7.266G	48.41	74.00	-25.59	6.33	3	V	NaN	NaN	-
PK	9.688G	50.77	Inf	-Inf	9.54	3	V	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_Ant PCB+PCB

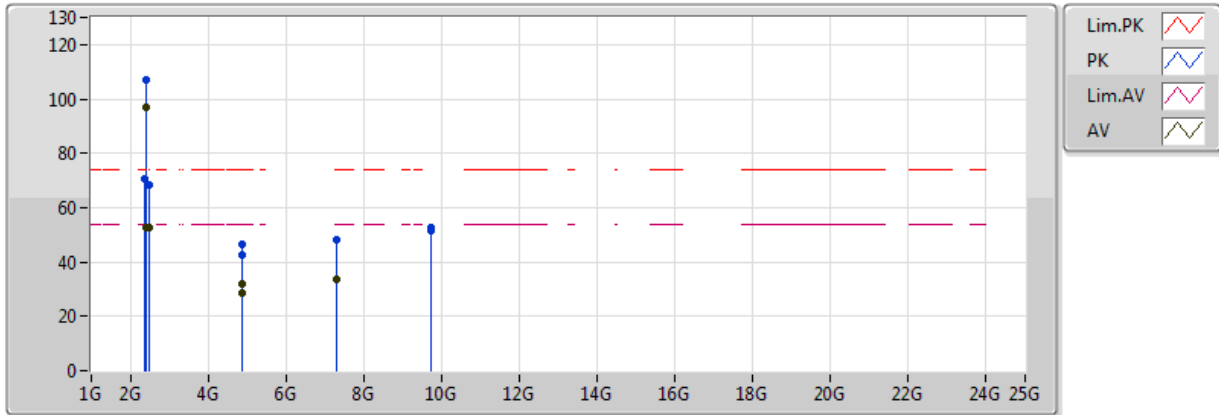


PCB ANT = ANT A+ANT B
EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	52.89	54.00	-1.11	30.23	3	H	NaN	NaN	-
AV	2.410584G	92.04	Inf	-Inf	30.29	3	H	NaN	NaN	-
PK	2.389728G	71.88	74.00	-2.12	30.23	3	H	NaN	NaN	-
PK	2.433024G	102.34	Inf	-Inf	30.37	3	H	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_Ant PCB+PCB

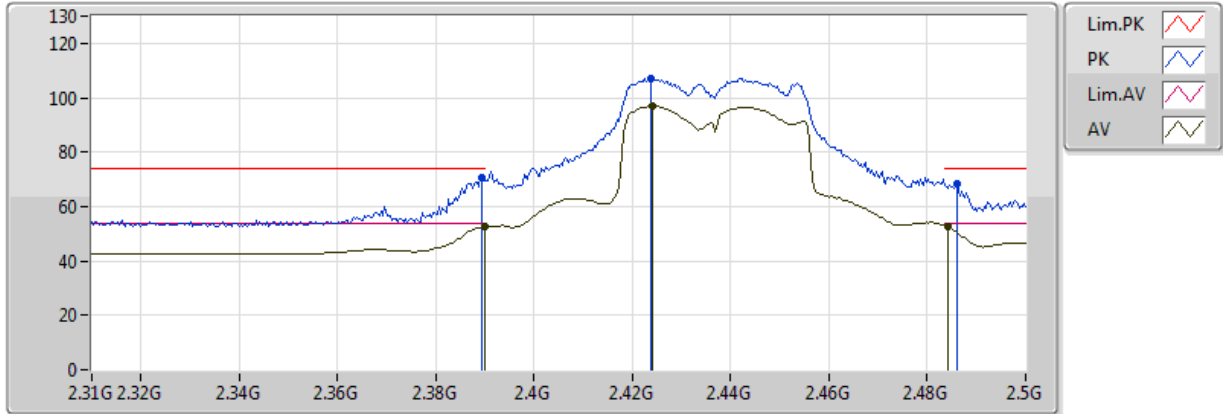


PCB ANT = ANT A+ANT B
EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	52.74	54.00	-1.26	30.23	3	H	NaN	NaN	-
AV	2.424G	96.90	Inf	-Inf	30.34	3	H	NaN	NaN	-
AV	2.48404G	52.63	54.00	-1.37	30.53	3	H	NaN	NaN	-
AV	4.874G	32.17	54.00	-21.83	1.06	3	H	NaN	NaN	-
AV	7.311G	33.70	54.00	-20.30	6.44	3	H	NaN	NaN	-
PK	2.38942G	70.74	74.00	-3.26	30.23	3	H	NaN	NaN	-
PK	2.42362G	107.13	Inf	-Inf	30.34	3	H	NaN	NaN	-
PK	2.48594G	68.58	74.00	-5.42	30.54	3	H	NaN	NaN	-
PK	4.874G	46.41	74.00	-27.59	1.06	3	H	NaN	NaN	-
PK	7.311G	48.34	74.00	-25.66	6.44	3	H	NaN	NaN	-
PK	9.748G	51.72	Inf	-Inf	9.60	3	H	NaN	NaN	-
AV	4.874G	28.72	54.00	-25.28	1.06	3	V	NaN	NaN	-
AV	7.311G	33.73	54.00	-20.27	6.44	3	V	NaN	NaN	-
PK	4.874G	42.60	74.00	-31.40	1.06	3	V	NaN	NaN	-
PK	7.311G	48.11	74.00	-25.89	6.44	3	V	NaN	NaN	-
PK	9.748G	52.71	Inf	-Inf	9.60	3	V	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_Ant PCB+PCB

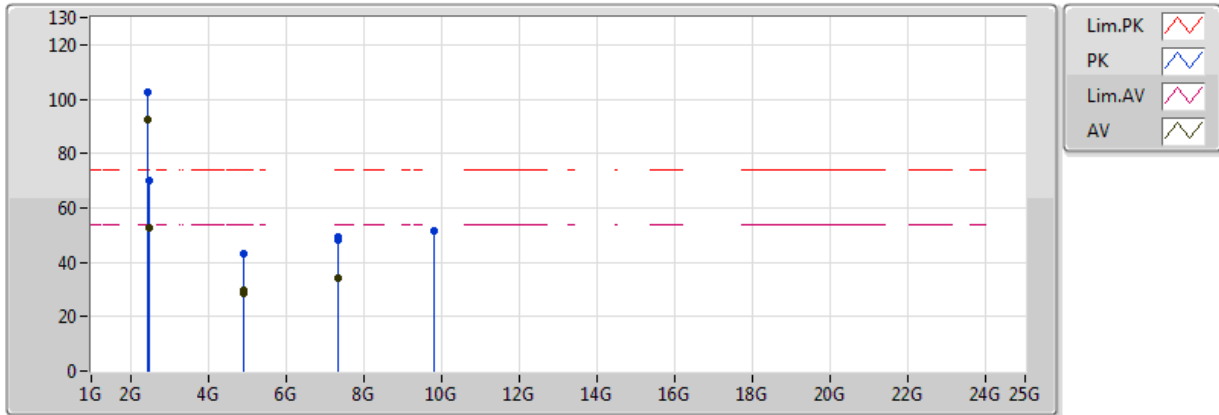


PCB ANT = ANT A+ANT B
 EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	52.74	54.00	-1.26	30.23	3	H	NaN	NaN	-
AV	2.424G	96.90	Inf	-Inf	30.34	3	H	NaN	NaN	-
AV	2.48404G	52.63	54.00	-1.37	30.53	3	H	NaN	NaN	-
PK	2.38942G	70.74	74.00	-3.26	30.23	3	H	NaN	NaN	-
PK	2.42362G	107.13	Inf	-Inf	30.34	3	H	NaN	NaN	-
PK	2.48594G	68.58	74.00	-5.42	30.54	3	H	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_Ant PCB+PCB

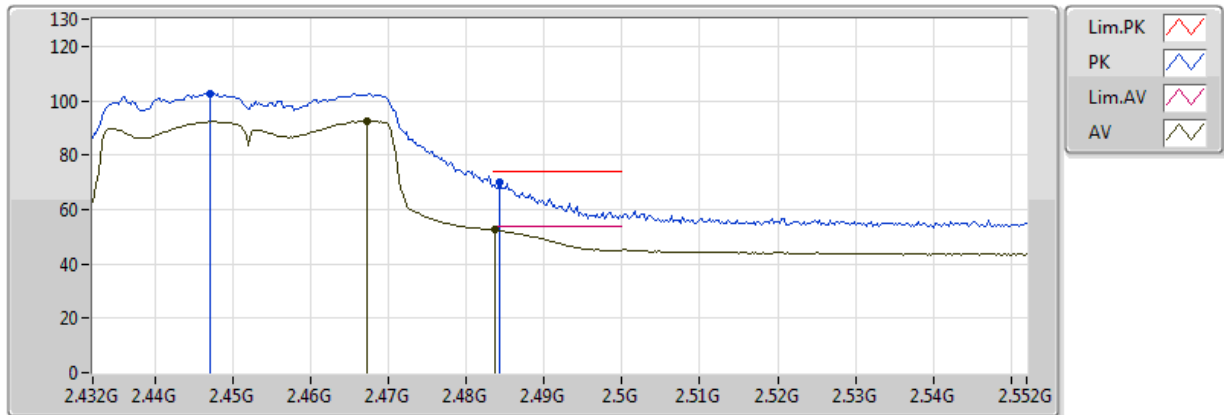


PCB ANT = ANT A+ANT B
EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.46728G	92.43	Inf	-Inf	30.48	3	H	NaN	NaN	-
AV	2.4836G	52.42	54.00	-1.58	30.53	3	H	NaN	NaN	-
AV	4.904G	29.80	54.00	-24.20	1.12	3	H	NaN	NaN	-
AV	7.356G	34.08	54.00	-19.92	6.54	3	H	NaN	NaN	-
PK	2.44712G	102.64	Inf	-Inf	30.41	3	H	NaN	NaN	-
PK	2.48432G	70.09	74.00	-3.91	30.53	3	H	NaN	NaN	-
PK	4.904G	43.10	74.00	-30.90	1.12	3	H	NaN	NaN	-
PK	7.356G	49.21	74.00	-24.79	6.54	3	H	NaN	NaN	-
PK	9.808G	51.66	Inf	-Inf	9.67	3	H	NaN	NaN	-
AV	4.904G	28.65	54.00	-25.35	1.12	3	V	NaN	NaN	-
AV	7.356G	34.02	54.00	-19.98	6.54	3	V	NaN	NaN	-
PK	4.904G	43.19	74.00	-30.81	1.12	3	V	NaN	NaN	-
PK	7.356G	48.39	74.00	-25.61	6.54	3	V	NaN	NaN	-
PK	9.808G	51.59	Inf	-Inf	9.67	3	V	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_Ant PCB+PCB



PCB ANT = ANT A+ ANT B
 EUT = Z axis, ANT= Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.46728G	92.43	Inf	-Inf	30.48	3	H	NaN	NaN	-
AV	2.4836G	52.42	54.00	-1.58	30.53	3	H	NaN	NaN	-
PK	2.44712G	102.64	Inf	-Inf	30.41	3	H	NaN	NaN	-
PK	2.48432G	70.09	74.00	-3.91	30.53	3	H	NaN	NaN	-



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
802.11g_Nss1_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	AV	2.48366G	52.82	54.00	-1.18	30.53	3	V	NaN	NaN	-



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11b_Nss1_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	4.824G	49.86	54.00	-4.14	0.95	3	H	NaN	NaN	-
2412MHz	Pass	PK	4.824G	52.76	74.00	-21.24	0.95	3	H	NaN	NaN	-
2412MHz	Pass	PK	7.236G	48.22	Inf	-Inf	6.26	3	H	NaN	NaN	-
2412MHz	Pass	PK	9.648G	52.26	Inf	-Inf	9.49	3	H	NaN	NaN	-
2412MHz	Pass	AV	2.38616G	52.64	54.00	-1.36	30.22	3	V	NaN	NaN	-
2412MHz	Pass	AV	2.4108G	108.11	Inf	-Inf	30.29	3	V	NaN	NaN	-
2412MHz	Pass	AV	4.824G	49.99	54.00	-4.01	0.95	3	V	NaN	NaN	-
2412MHz	Pass	PK	2.38616G	60.78	74.00	-13.22	30.22	3	V	NaN	NaN	-
2412MHz	Pass	PK	2.411024G	111.81	Inf	-Inf	30.30	3	V	NaN	NaN	-
2412MHz	Pass	PK	4.824G	52.86	74.00	-21.14	0.95	3	V	NaN	NaN	-
2412MHz	Pass	PK	7.236G	48.01	Inf	-Inf	6.26	3	V	NaN	NaN	-
2412MHz	Pass	PK	9.648G	52.24	Inf	-Inf	9.49	3	V	NaN	NaN	-
2437MHz	Pass	AV	4.874G	50.29	54.00	-3.71	1.06	3	H	NaN	NaN	-
2437MHz	Pass	AV	7.311G	33.32	54.00	-20.68	6.44	3	H	NaN	NaN	-
2437MHz	Pass	PK	4.874G	53.13	74.00	-20.87	1.06	3	H	NaN	NaN	-
2437MHz	Pass	PK	7.311G	48.45	74.00	-25.55	6.44	3	H	NaN	NaN	-
2437MHz	Pass	PK	9.748G	53.12	Inf	-Inf	9.60	3	H	NaN	NaN	-
2437MHz	Pass	AV	2.38372G	42.62	54.00	-11.38	30.21	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.43426G	102.61	Inf	-Inf	30.37	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.48974G	44.06	54.00	-9.94	30.55	3	V	NaN	NaN	-
2437MHz	Pass	AV	4.874G	51.85	54.00	-2.15	1.06	3	V	NaN	NaN	-
2437MHz	Pass	AV	7.311G	34.94	54.00	-19.06	6.44	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.38372G	56.33	74.00	-17.67	30.21	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.43464G	106.45	Inf	-Inf	30.37	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.49658G	58.54	74.00	-15.46	30.57	3	V	NaN	NaN	-
2437MHz	Pass	PK	4.874G	54.06	74.00	-19.94	1.06	3	V	NaN	NaN	-
2437MHz	Pass	PK	7.311G	48.32	74.00	-25.68	6.44	3	V	NaN	NaN	-
2437MHz	Pass	PK	9.748G	52.77	Inf	-Inf	9.60	3	V	NaN	NaN	-
2462MHz	Pass	AV	4.924G	50.59	54.00	-3.41	1.17	3	H	NaN	NaN	-
2462MHz	Pass	AV	7.386G	34.68	54.00	-19.32	6.62	3	H	NaN	NaN	-
2462MHz	Pass	PK	4.924G	53.60	74.00	-20.40	1.17	3	H	NaN	NaN	-
2462MHz	Pass	PK	7.386G	49.85	74.00	-24.15	6.62	3	H	NaN	NaN	-
2462MHz	Pass	PK	9.848G	53.69	Inf	-Inf	9.71	3	H	NaN	NaN	-
2462MHz	Pass	AV	2.4656G	101.24	Inf	-Inf	30.47	3	V	NaN	NaN	-
2462MHz	Pass	AV	2.483502G	52.57	54.00	-1.43	30.53	3	V	NaN	NaN	-
2462MHz	Pass	AV	4.924G	51.54	54.00	-2.46	1.17	3	V	NaN	NaN	-
2462MHz	Pass	AV	7.386G	34.71	54.00	-19.29	6.62	3	V	NaN	NaN	-
2462MHz	Pass	PK	2.466G	104.80	Inf	-Inf	30.47	3	V	NaN	NaN	-
2462MHz	Pass	PK	2.483502G	59.46	74.00	-14.54	30.53	3	V	NaN	NaN	-
2462MHz	Pass	PK	4.924G	54.44	74.00	-19.56	1.17	3	V	NaN	NaN	-
2462MHz	Pass	PK	7.386G	49.43	74.00	-24.57	6.62	3	V	NaN	NaN	-
2462MHz	Pass	PK	9.848G	52.94	Inf	-Inf	9.71	3	V	NaN	NaN	-
802.11g_Nss1_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	4.824G	30.56	54.00	-23.44	0.95	3	H	NaN	NaN	-
2412MHz	Pass	PK	4.824G	43.92	74.00	-30.08	0.95	3	H	NaN	NaN	-
2412MHz	Pass	PK	7.236G	48.71	Inf	-Inf	6.26	3	H	NaN	NaN	-
2412MHz	Pass	PK	9.648G	51.58	Inf	-Inf	9.49	3	H	NaN	NaN	-



RSE TX above 1GHz Result

Appendix E.4

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	AV	2.389998G	52.37	54.00	-1.63	30.23	3	V	NaN	NaN	-
2412MHz	Pass	AV	2.40856G	100.15	Inf	-Inf	30.29	3	V	NaN	NaN	-
2412MHz	Pass	AV	4.824G	30.80	54.00	-23.20	0.95	3	V	NaN	NaN	-
2412MHz	Pass	PK	2.389744G	72.02	74.00	-1.98	30.23	3	V	NaN	NaN	-
2412MHz	Pass	PK	2.408784G	110.51	Inf	-Inf	30.29	3	V	NaN	NaN	-
2412MHz	Pass	PK	4.824G	44.95	74.00	-29.05	0.95	3	V	NaN	NaN	-
2412MHz	Pass	PK	7.236G	49.11	Inf	-Inf	6.26	3	V	NaN	NaN	-
2412MHz	Pass	PK	9.648G	51.91	Inf	-Inf	9.49	3	V	NaN	NaN	-
2437MHz	Pass	AV	4.874G	40.55	54.00	-13.45	1.06	3	H	NaN	NaN	-
2437MHz	Pass	AV	7.311G	35.42	54.00	-18.58	6.44	3	H	NaN	NaN	-
2437MHz	Pass	PK	4.874G	54.22	74.00	-19.78	1.06	3	H	NaN	NaN	-
2437MHz	Pass	PK	7.311G	49.77	74.00	-24.23	6.44	3	H	NaN	NaN	-
2437MHz	Pass	PK	9.748G	54.35	Inf	-Inf	9.60	3	H	NaN	NaN	-
2437MHz	Pass	AV	2.389998G	48.65	54.00	-5.35	30.23	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.43236G	108.49	Inf	-Inf	30.36	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.48366G	52.82	54.00	-1.18	30.53	3	V	NaN	NaN	-
2437MHz	Pass	AV	4.874G	42.55	54.00	-11.45	1.06	3	V	NaN	NaN	-
2437MHz	Pass	AV	7.311G	34.54	54.00	-19.46	6.44	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.38942G	69.04	74.00	-4.96	30.23	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.43312G	118.44	Inf	-Inf	30.37	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.48404G	71.35	74.00	-2.65	30.53	3	V	NaN	NaN	-
2437MHz	Pass	PK	4.874G	56.82	74.00	-17.18	1.06	3	V	NaN	NaN	-
2437MHz	Pass	PK	7.311G	49.18	74.00	-24.82	6.44	3	V	NaN	NaN	-
2437MHz	Pass	PK	9.748G	54.22	Inf	-Inf	9.60	3	V	NaN	NaN	-
2462MHz	Pass	AV	4.924G	30.60	54.00	-23.40	1.17	3	H	NaN	NaN	-
2462MHz	Pass	AV	7.386G	34.40	54.00	-19.60	6.62	3	H	NaN	NaN	-
2462MHz	Pass	PK	4.924G	44.88	74.00	-29.12	1.17	3	H	NaN	NaN	-
2462MHz	Pass	PK	7.386G	49.59	74.00	-24.41	6.62	3	H	NaN	NaN	-
2462MHz	Pass	PK	9.848G	51.91	Inf	-Inf	9.71	3	H	NaN	NaN	-
2462MHz	Pass	AV	2.469G	100.29	Inf	-Inf	30.48	3	V	NaN	NaN	-
2462MHz	Pass	AV	2.483502G	52.36	54.00	-1.64	30.53	3	V	NaN	NaN	-
2462MHz	Pass	AV	4.924G	30.62	54.00	-23.38	1.17	3	V	NaN	NaN	-
2462MHz	Pass	AV	7.386G	34.56	54.00	-19.44	6.62	3	V	NaN	NaN	-
2462MHz	Pass	PK	2.4648G	110.88	Inf	-Inf	30.47	3	V	NaN	NaN	-
2462MHz	Pass	PK	2.483502G	72.34	74.00	-1.66	30.53	3	V	NaN	NaN	-
2462MHz	Pass	PK	4.924G	45.58	74.00	-28.42	1.17	3	V	NaN	NaN	-
2462MHz	Pass	PK	7.386G	49.23	74.00	-24.77	6.62	3	V	NaN	NaN	-
2462MHz	Pass	PK	9.848G	51.80	Inf	-Inf	9.71	3	V	NaN	NaN	-
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	4.824G	29.48	54.00	-24.52	0.95	3	H	NaN	NaN	-
2412MHz	Pass	PK	4.824G	43.69	74.00	-30.31	0.95	3	H	NaN	NaN	-
2412MHz	Pass	PK	7.236G	47.66	Inf	-Inf	6.26	3	H	NaN	NaN	-
2412MHz	Pass	PK	9.648G	51.54	Inf	-Inf	9.49	3	H	NaN	NaN	-
2412MHz	Pass	AV	2.389998G	52.25	54.00	-1.75	30.23	3	V	NaN	NaN	-
2412MHz	Pass	AV	2.40632G	99.19	Inf	-Inf	30.28	3	V	NaN	NaN	-
2412MHz	Pass	AV	4.824G	29.57	54.00	-24.43	0.95	3	V	NaN	NaN	-
2412MHz	Pass	PK	2.38952G	71.93	74.00	-2.07	30.23	3	V	NaN	NaN	-
2412MHz	Pass	PK	2.407216G	109.39	Inf	-Inf	30.28	3	V	NaN	NaN	-
2412MHz	Pass	PK	4.824G	43.52	74.00	-30.48	0.95	3	V	NaN	NaN	-



RSE TX above 1GHz Result

Appendix E.4

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	7.236G	47.68	Inf	-Inf	6.26	3	V	NaN	NaN	-
2412MHz	Pass	PK	9.648G	51.55	Inf	-Inf	9.49	3	V	NaN	NaN	-
2437MHz	Pass	AV	4.874G	39.54	54.00	-14.46	1.06	3	H	NaN	NaN	-
2437MHz	Pass	AV	7.311G	35.15	54.00	-18.85	6.44	3	H	NaN	NaN	-
2437MHz	Pass	PK	4.874G	53.66	74.00	-20.34	1.06	3	H	NaN	NaN	-
2437MHz	Pass	PK	7.311G	50.41	74.00	-23.59	6.44	3	H	NaN	NaN	-
2437MHz	Pass	PK	9.748G	54.00	Inf	-Inf	9.60	3	H	NaN	NaN	-
2437MHz	Pass	AV	2.3898G	48.58	54.00	-5.42	30.23	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.43616G	107.31	Inf	-Inf	30.38	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.48404G	52.74	54.00	-1.26	30.53	3	V	NaN	NaN	-
2437MHz	Pass	AV	4.874G	41.14	54.00	-12.86	1.06	3	V	NaN	NaN	-
2437MHz	Pass	AV	7.311G	34.51	54.00	-19.49	6.44	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.389998G	70.70	74.00	-3.30	30.23	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.43654G	117.56	Inf	-Inf	30.38	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.4848G	71.33	74.00	-2.67	30.53	3	V	NaN	NaN	-
2437MHz	Pass	PK	4.874G	55.48	74.00	-18.52	1.06	3	V	NaN	NaN	-
2437MHz	Pass	PK	7.311G	49.36	74.00	-24.64	6.44	3	V	NaN	NaN	-
2437MHz	Pass	PK	9.748G	52.90	Inf	-Inf	9.60	3	V	NaN	NaN	-
2462MHz	Pass	AV	4.924G	29.78	54.00	-24.22	1.17	3	H	NaN	NaN	-
2462MHz	Pass	AV	7.386G	34.79	54.00	-19.21	6.62	3	H	NaN	NaN	-
2462MHz	Pass	PK	4.924G	43.79	74.00	-30.21	1.17	3	H	NaN	NaN	-
2462MHz	Pass	PK	7.386G	48.99	74.00	-25.01	6.62	3	H	NaN	NaN	-
2462MHz	Pass	PK	9.848G	52.82	Inf	-Inf	9.71	3	H	NaN	NaN	-
2462MHz	Pass	AV	2.4566G	99.63	Inf	-Inf	30.44	3	V	NaN	NaN	-
2462MHz	Pass	AV	2.483502G	52.82	54.00	-1.18	30.53	3	V	NaN	NaN	-
2462MHz	Pass	AV	4.924G	29.94	54.00	-24.06	1.17	3	V	NaN	NaN	-
2462MHz	Pass	AV	7.386G	34.66	54.00	-19.34	6.62	3	V	NaN	NaN	-
2462MHz	Pass	PK	2.4576G	109.95	Inf	-Inf	30.44	3	V	NaN	NaN	-
2462MHz	Pass	PK	2.4854G	69.62	74.00	-4.38	30.53	3	V	NaN	NaN	-
2462MHz	Pass	PK	4.924G	44.27	74.00	-29.73	1.17	3	V	NaN	NaN	-
2462MHz	Pass	PK	7.386G	49.48	74.00	-24.52	6.62	3	V	NaN	NaN	-
2462MHz	Pass	PK	9.848G	52.19	Inf	-Inf	9.71	3	V	NaN	NaN	-
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	4.844G	28.54	54.00	-25.46	0.99	3	H	NaN	NaN	-
2422MHz	Pass	AV	7.266G	33.90	54.00	-20.10	6.33	3	H	NaN	NaN	-
2422MHz	Pass	PK	4.844G	43.35	74.00	-30.65	0.99	3	H	NaN	NaN	-
2422MHz	Pass	PK	7.266G	48.34	74.00	-25.66	6.33	3	H	NaN	NaN	-
2422MHz	Pass	PK	9.688G	50.94	Inf	-Inf	9.54	3	H	NaN	NaN	-
2422MHz	Pass	AV	2.389998G	52.12	54.00	-1.88	30.23	3	V	NaN	NaN	-
2422MHz	Pass	AV	2.437512G	93.96	Inf	-Inf	30.38	3	V	NaN	NaN	-
2422MHz	Pass	AV	4.844G	28.56	54.00	-25.44	0.99	3	V	NaN	NaN	-
2422MHz	Pass	AV	7.266G	33.87	54.00	-20.13	6.33	3	V	NaN	NaN	-
2422MHz	Pass	PK	2.389464G	67.96	74.00	-6.04	30.23	3	V	NaN	NaN	-
2422MHz	Pass	PK	2.438568G	104.05	Inf	-Inf	30.38	3	V	NaN	NaN	-
2422MHz	Pass	PK	4.844G	43.11	74.00	-30.89	0.99	3	V	NaN	NaN	-
2422MHz	Pass	PK	7.266G	48.45	74.00	-25.55	6.33	3	V	NaN	NaN	-
2422MHz	Pass	PK	9.688G	50.95	Inf	-Inf	9.54	3	V	NaN	NaN	-
2437MHz	Pass	AV	4.874G	29.43	54.00	-24.57	1.06	3	H	NaN	NaN	-
2437MHz	Pass	AV	7.311G	33.90	54.00	-20.10	6.44	3	H	NaN	NaN	-



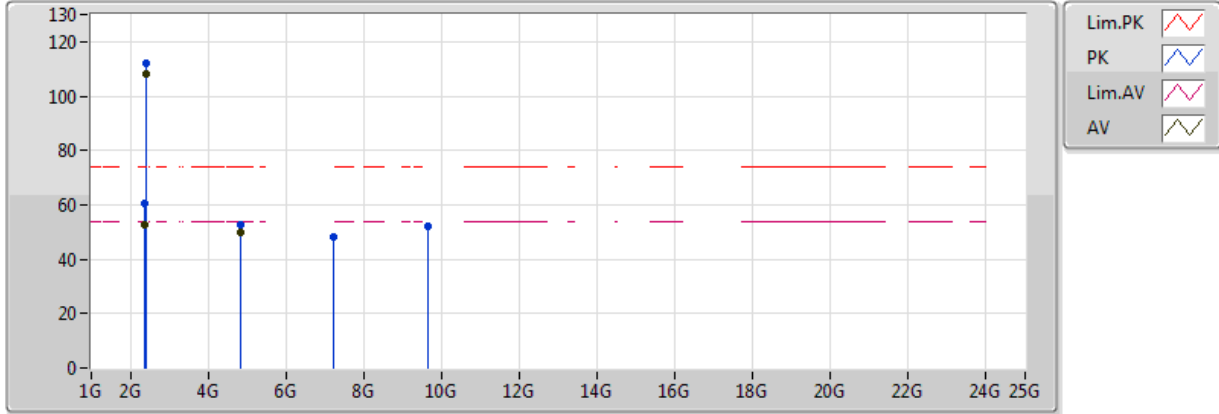
RSE TX above 1GHz Result

Appendix E.4

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	4.874G	43.48	74.00	-30.52	1.06	3	H	NaN	NaN	-
2437MHz	Pass	PK	7.311G	48.29	74.00	-25.71	6.44	3	H	NaN	NaN	-
2437MHz	Pass	PK	9.748G	51.87	Inf	-Inf	9.60	3	H	NaN	NaN	-
2437MHz	Pass	AV	2.389998G	52.64	54.00	-1.36	30.23	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.42096G	97.31	Inf	-Inf	30.33	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.48366G	51.17	54.00	-2.83	30.53	3	V	NaN	NaN	-
2437MHz	Pass	AV	4.874G	29.34	54.00	-24.66	1.06	3	V	NaN	NaN	-
2437MHz	Pass	AV	7.311G	33.92	54.00	-20.08	6.44	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.389998G	70.30	74.00	-3.70	30.23	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.42134G	107.57	Inf	-Inf	30.33	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.48404G	67.18	74.00	-6.82	30.53	3	V	NaN	NaN	-
2437MHz	Pass	PK	4.874G	43.50	74.00	-30.50	1.06	3	V	NaN	NaN	-
2437MHz	Pass	PK	7.311G	48.23	74.00	-25.77	6.44	3	V	NaN	NaN	-
2437MHz	Pass	PK	9.748G	51.53	Inf	-Inf	9.60	3	V	NaN	NaN	-
2452MHz	Pass	AV	4.904G	28.96	54.00	-25.04	1.12	3	H	NaN	NaN	-
2452MHz	Pass	AV	7.356G	34.02	54.00	-19.98	6.54	3	H	NaN	NaN	-
2452MHz	Pass	PK	4.904G	43.79	74.00	-30.21	1.12	3	H	NaN	NaN	-
2452MHz	Pass	PK	7.356G	48.90	74.00	-25.10	6.54	3	H	NaN	NaN	-
2452MHz	Pass	PK	9.808G	51.76	Inf	-Inf	9.67	3	H	NaN	NaN	-
2452MHz	Pass	AV	2.4656G	93.50	Inf	-Inf	30.47	3	V	NaN	NaN	-
2452MHz	Pass	AV	2.4836G	52.71	54.00	-1.29	30.53	3	V	NaN	NaN	-
2452MHz	Pass	AV	4.904G	29.04	54.00	-24.96	1.12	3	V	NaN	NaN	-
2452MHz	Pass	AV	7.356G	34.03	54.00	-19.97	6.54	3	V	NaN	NaN	-
2452MHz	Pass	PK	2.46512G	104.09	Inf	-Inf	30.47	3	V	NaN	NaN	-
2452MHz	Pass	PK	2.48456G	70.77	74.00	-3.23	30.53	3	V	NaN	NaN	-
2452MHz	Pass	PK	4.904G	43.93	74.00	-30.07	1.12	3	V	NaN	NaN	-
2452MHz	Pass	PK	7.356G	48.40	74.00	-25.60	6.54	3	V	NaN	NaN	-
2452MHz	Pass	PK	9.808G	51.67	Inf	-Inf	9.67	3	V	NaN	NaN	-

802.11b_Nss1_2TX

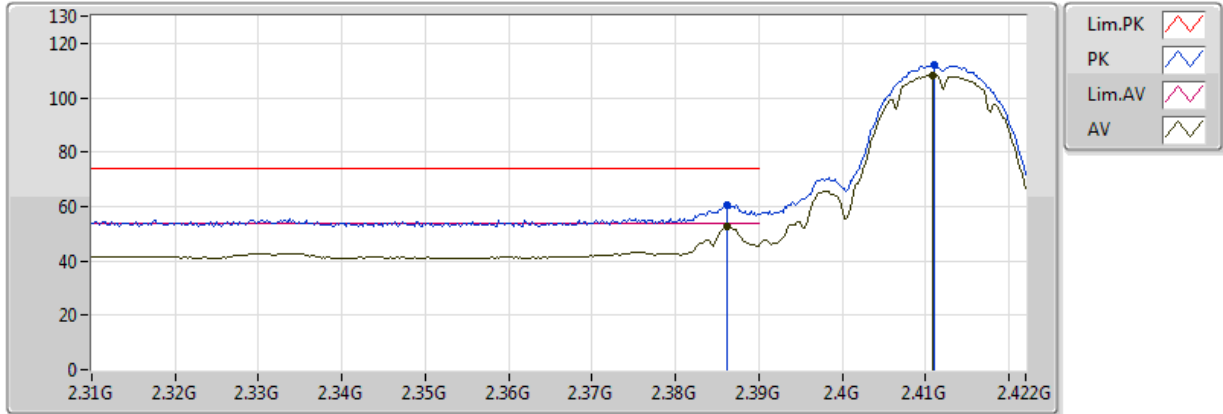
2412MHz_Ant PIFA+PCB



PIFA+PCB ANT = ANT A+ANT B
EUT =Y axis, ANT=X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	49.86	54.00	-4.14	0.95	3	H	NaN	NaN	-
PK	4.824G	52.76	74.00	-21.24	0.95	3	H	NaN	NaN	-
PK	7.236G	48.22	Inf	-Inf	6.26	3	H	NaN	NaN	-
PK	9.648G	52.26	Inf	-Inf	9.49	3	H	NaN	NaN	-
AV	2.38616G	52.64	54.00	-1.36	30.22	3	V	NaN	NaN	-
AV	2.4108G	108.11	Inf	-Inf	30.29	3	V	NaN	NaN	-
AV	4.824G	49.99	54.00	-4.01	0.95	3	V	NaN	NaN	-
PK	2.38616G	60.78	74.00	-13.22	30.22	3	V	NaN	NaN	-
PK	2.411024G	111.81	Inf	-Inf	30.30	3	V	NaN	NaN	-
PK	4.824G	52.86	74.00	-21.14	0.95	3	V	NaN	NaN	-
PK	7.236G	48.01	Inf	-Inf	6.26	3	V	NaN	NaN	-
PK	9.648G	52.24	Inf	-Inf	9.49	3	V	NaN	NaN	-

802.11b_Nss1_2TX
2412MHz_Ant PIFA+PCB

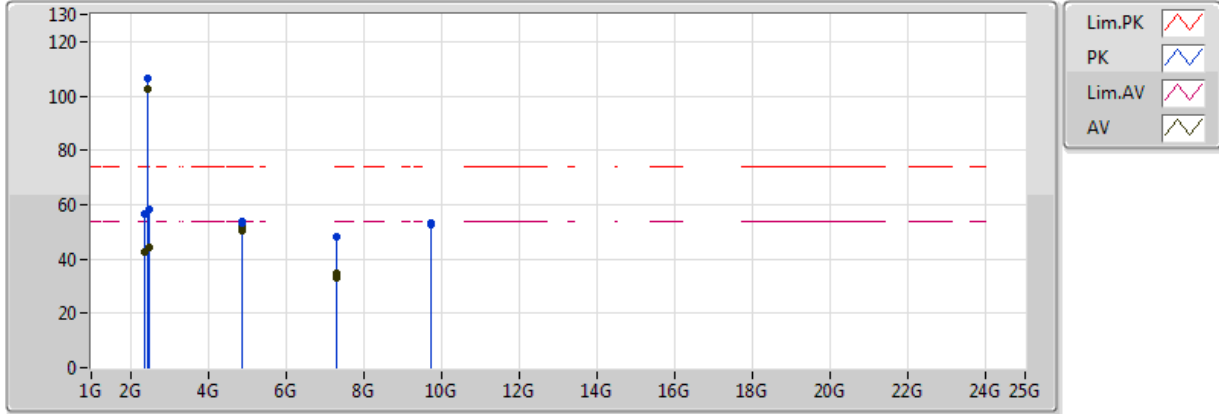


PIFA+PCB ANT = ANT A+ ANT B
 EUT =Y axis, ANT=X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.38616G	52.64	54.00	-1.36	30.22	3	V	NaN	NaN	-
AV	2.4108G	108.11	Inf	-Inf	30.29	3	V	NaN	NaN	-
PK	2.38616G	60.78	74.00	-13.22	30.22	3	V	NaN	NaN	-
PK	2.411024G	111.81	Inf	-Inf	30.30	3	V	NaN	NaN	-

802.11b_Nss1_2TX

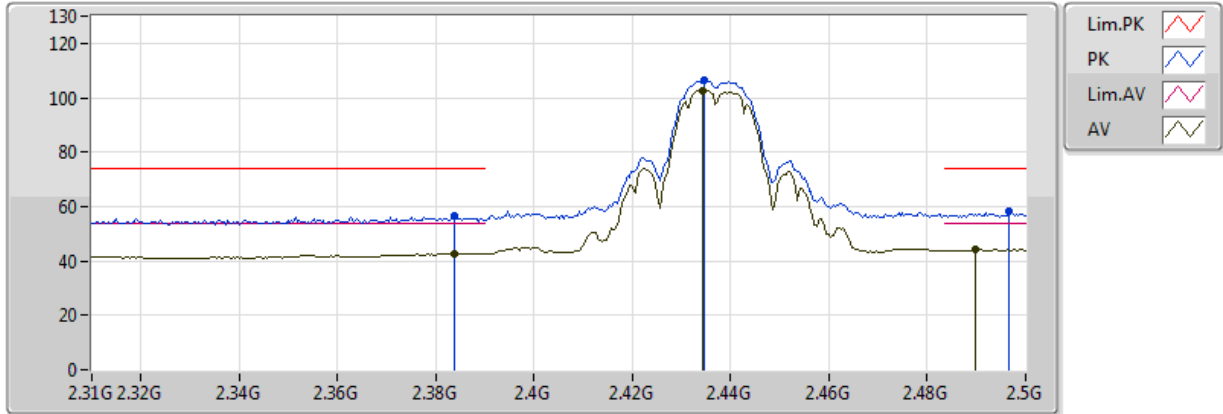
2437MHz_Ant PIFA+PCB



PIFA+PCB ANT = ANT A+ ANT B
 EUT = Y axis, ANT = X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	50.29	54.00	-3.71	1.06	3	H	NaN	NaN	-
AV	7.311G	33.32	54.00	-20.68	6.44	3	H	NaN	NaN	-
PK	4.874G	53.13	74.00	-20.87	1.06	3	H	NaN	NaN	-
PK	7.311G	48.45	74.00	-25.55	6.44	3	H	NaN	NaN	-
PK	9.748G	53.12	Inf	-Inf	9.60	3	H	NaN	NaN	-
AV	2.38372G	42.62	54.00	-11.38	30.21	3	V	NaN	NaN	-
AV	2.43426G	102.61	Inf	-Inf	30.37	3	V	NaN	NaN	-
AV	2.48974G	44.06	54.00	-9.94	30.55	3	V	NaN	NaN	-
AV	4.874G	51.85	54.00	-2.15	1.06	3	V	NaN	NaN	-
AV	7.311G	34.94	54.00	-19.06	6.44	3	V	NaN	NaN	-
PK	2.38372G	56.33	74.00	-17.67	30.21	3	V	NaN	NaN	-
PK	2.43464G	106.45	Inf	-Inf	30.37	3	V	NaN	NaN	-
PK	2.49658G	58.54	74.00	-15.46	30.57	3	V	NaN	NaN	-
PK	4.874G	54.06	74.00	-19.94	1.06	3	V	NaN	NaN	-
PK	7.311G	48.32	74.00	-25.68	6.44	3	V	NaN	NaN	-
PK	9.748G	52.77	Inf	-Inf	9.60	3	V	NaN	NaN	-

802.11b_Nss1_2TX
2437MHz_Ant PIFA+PCB

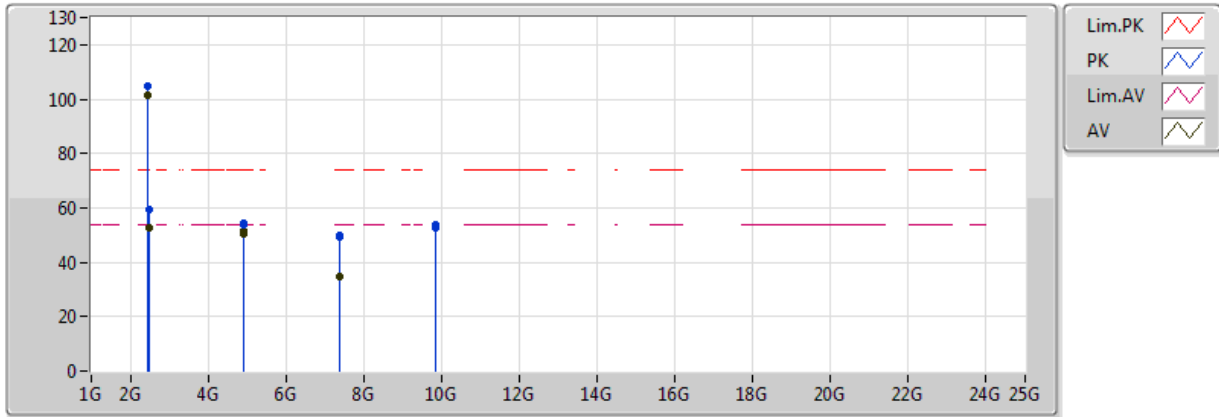


PIFA+PCB ANT = ANT A+ ANT B
 EUT =Y axis, ANT=X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.38372G	42.62	54.00	-11.38	30.21	3	V	NaN	NaN	-
AV	2.43426G	102.61	Inf	-Inf	30.37	3	V	NaN	NaN	-
AV	2.48974G	44.06	54.00	-9.94	30.55	3	V	NaN	NaN	-
PK	2.38372G	56.33	74.00	-17.67	30.21	3	V	NaN	NaN	-
PK	2.43464G	106.45	Inf	-Inf	30.37	3	V	NaN	NaN	-
PK	2.49658G	58.54	74.00	-15.46	30.57	3	V	NaN	NaN	-

802.11b_Nss1_2TX

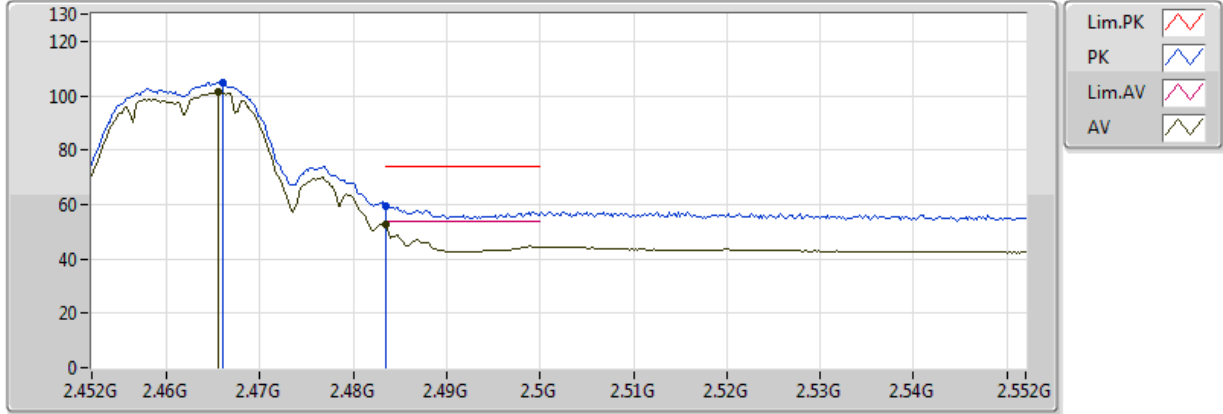
2462MHz_Ant PIFA+PCB



PIFA+PCB ANT = ANT A+ANT B
 EUT =Y axis, ANT=X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	50.59	54.00	-3.41	1.17	3	H	NaN	NaN	-
AV	7.386G	34.68	54.00	-19.32	6.62	3	H	NaN	NaN	-
PK	4.924G	53.60	74.00	-20.40	1.17	3	H	NaN	NaN	-
PK	7.386G	49.85	74.00	-24.15	6.62	3	H	NaN	NaN	-
PK	9.848G	53.69	Inf	-Inf	9.71	3	H	NaN	NaN	-
AV	2.4656G	101.24	Inf	-Inf	30.47	3	V	NaN	NaN	-
AV	2.483502G	52.57	54.00	-1.43	30.53	3	V	NaN	NaN	-
AV	4.924G	51.54	54.00	-2.46	1.17	3	V	NaN	NaN	-
AV	7.386G	34.71	54.00	-19.29	6.62	3	V	NaN	NaN	-
PK	2.466G	104.80	Inf	-Inf	30.47	3	V	NaN	NaN	-
PK	2.483502G	59.46	74.00	-14.54	30.53	3	V	NaN	NaN	-
PK	4.924G	54.44	74.00	-19.56	1.17	3	V	NaN	NaN	-
PK	7.386G	49.43	74.00	-24.57	6.62	3	V	NaN	NaN	-
PK	9.848G	52.94	Inf	-Inf	9.71	3	V	NaN	NaN	-

802.11b_Nss1_2TX
2462MHz_Ant PIFA+PCB

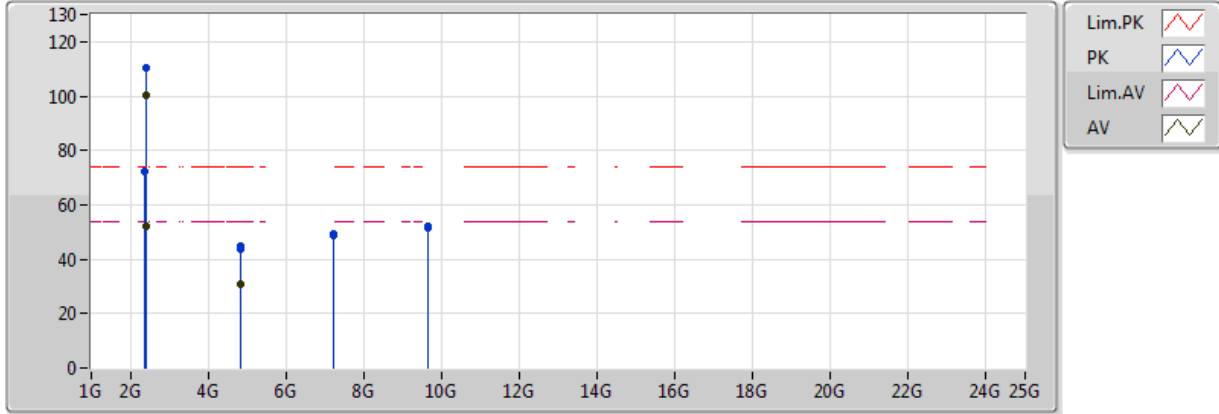


PIFA+PCB ANT = ANT A+ ANT B
 EUT =Y axis, ANT=X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	2.483502G	59.46	74.00	-14.54	30.53	3	V	NaN	NaN	-
AV	2.483502G	52.57	54.00	-1.43	30.53	3	V	NaN	NaN	-
PK	2.466G	104.80	Inf	-Inf	30.47	3	V	NaN	NaN	-
AV	2.4656G	101.24	Inf	-Inf	30.47	3	V	NaN	NaN	-

802.11g_Nss1_2TX

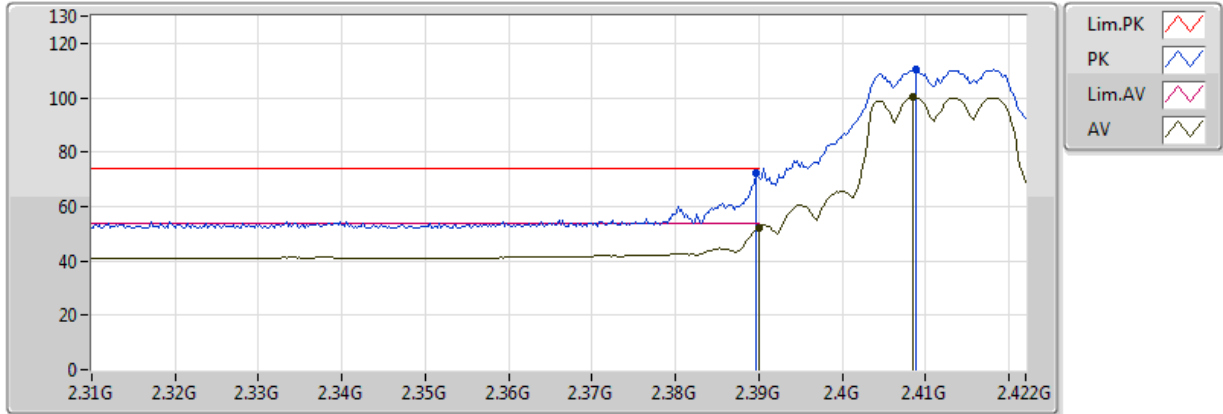
2412MHz_Ant PIFA+PCB



PIFA+PCB ANT = ANT A+ANT B
 EUT =Y axis, ANT=X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	30.56	54.00	-23.44	0.95	3	H	NaN	NaN	-
PK	4.824G	43.92	74.00	-30.08	0.95	3	H	NaN	NaN	-
PK	7.236G	48.71	Inf	-Inf	6.26	3	H	NaN	NaN	-
PK	9.648G	51.58	Inf	-Inf	9.49	3	H	NaN	NaN	-
AV	2.389998G	52.37	54.00	-1.63	30.23	3	V	NaN	NaN	-
AV	2.40856G	100.15	Inf	-Inf	30.29	3	V	NaN	NaN	-
AV	4.824G	30.80	54.00	-23.20	0.95	3	V	NaN	NaN	-
PK	2.389744G	72.02	74.00	-1.98	30.23	3	V	NaN	NaN	-
PK	2.408784G	110.51	Inf	-Inf	30.29	3	V	NaN	NaN	-
PK	4.824G	44.95	74.00	-29.05	0.95	3	V	NaN	NaN	-
PK	7.236G	49.11	Inf	-Inf	6.26	3	V	NaN	NaN	-
PK	9.648G	51.91	Inf	-Inf	9.49	3	V	NaN	NaN	-

802.11g_Nss1_2TX
2412MHz_Ant PIFA+PCB

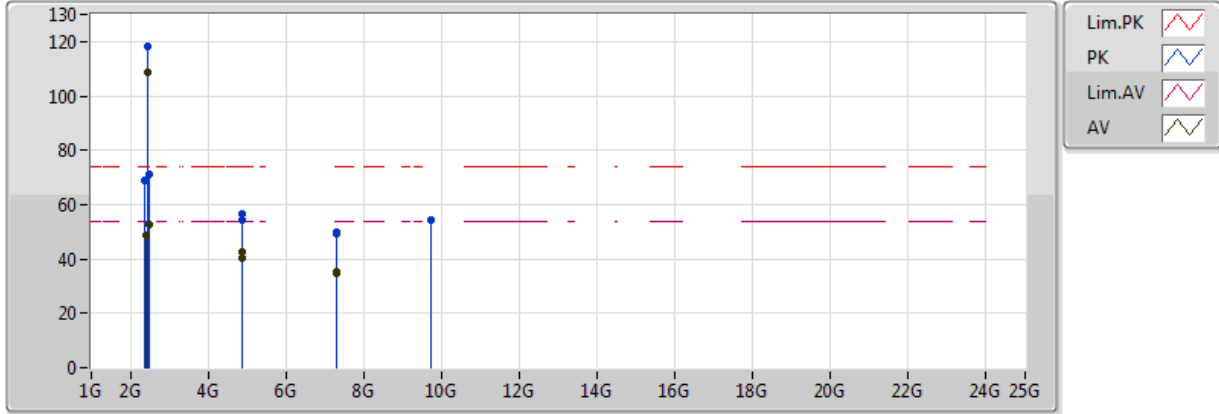


PIFA+PCB ANT = ANT A+ ANT B
 EUT =Y axis, ANT=X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	52.37	54.00	-1.63	30.23	3	V	NaN	NaN	-
AV	2.40856G	100.15	Inf	-Inf	30.29	3	V	NaN	NaN	-
PK	2.389744G	72.02	74.00	-1.98	30.23	3	V	NaN	NaN	-
PK	2.408784G	110.51	Inf	-Inf	30.29	3	V	NaN	NaN	-

802.11g_Nss1_2TX

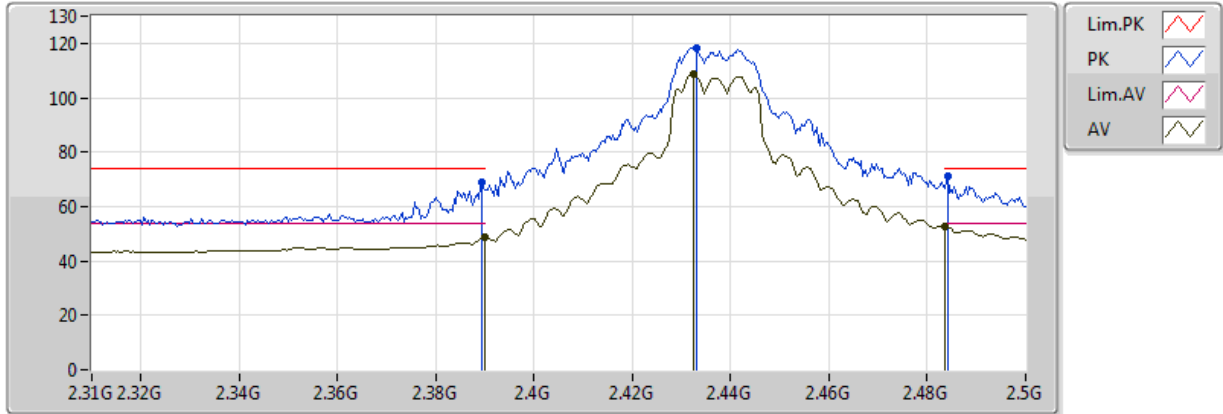
2437MHz_Ant PIFA+PCB



PIFA+PCB ANT = ANT A+ ANT B
 EUT = Y axis, ANT = X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	40.55	54.00	-13.45	1.06	3	H	NaN	NaN	-
AV	7.311G	35.42	54.00	-18.58	6.44	3	H	NaN	NaN	-
PK	4.874G	54.22	74.00	-19.78	1.06	3	H	NaN	NaN	-
PK	7.311G	49.77	74.00	-24.23	6.44	3	H	NaN	NaN	-
PK	9.748G	54.35	Inf	-Inf	9.60	3	H	NaN	NaN	-
AV	2.389998G	48.65	54.00	-5.35	30.23	3	V	NaN	NaN	-
AV	2.43236G	108.49	Inf	-Inf	30.36	3	V	NaN	NaN	-
AV	2.48366G	52.82	54.00	-1.18	30.53	3	V	NaN	NaN	-
AV	4.874G	42.55	54.00	-11.45	1.06	3	V	NaN	NaN	-
AV	7.311G	34.54	54.00	-19.46	6.44	3	V	NaN	NaN	-
PK	2.38942G	69.04	74.00	-4.96	30.23	3	V	NaN	NaN	-
PK	2.43312G	118.44	Inf	-Inf	30.37	3	V	NaN	NaN	-
PK	2.48404G	71.35	74.00	-2.65	30.53	3	V	NaN	NaN	-
PK	4.874G	56.82	74.00	-17.18	1.06	3	V	NaN	NaN	-
PK	7.311G	49.18	74.00	-24.82	6.44	3	V	NaN	NaN	-
PK	9.748G	54.22	Inf	-Inf	9.60	3	V	NaN	NaN	-

802.11g_Nss1_2TX
2437MHz_Ant PIFA+PCB

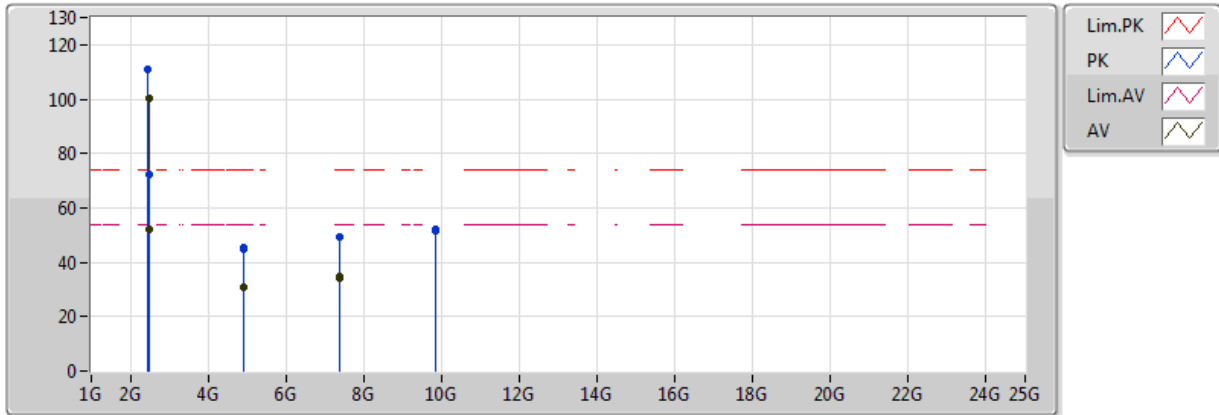


PIFA+PCB ANT = ANT A+ANT B
 EUT =Y axis, ANT=X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	48.65	54.00	-5.35	30.23	3	V	NaN	NaN	-
AV	2.43236G	108.49	Inf	-Inf	30.36	3	V	NaN	NaN	-
AV	2.48366G	52.82	54.00	-1.18	30.53	3	V	NaN	NaN	-
PK	2.38942G	69.04	74.00	-4.96	30.23	3	V	NaN	NaN	-
PK	2.43312G	118.44	Inf	-Inf	30.37	3	V	NaN	NaN	-
PK	2.48404G	71.35	74.00	-2.65	30.53	3	V	NaN	NaN	-

802.11g_Nss1_2TX

2462MHz_Ant PIFA+PCB

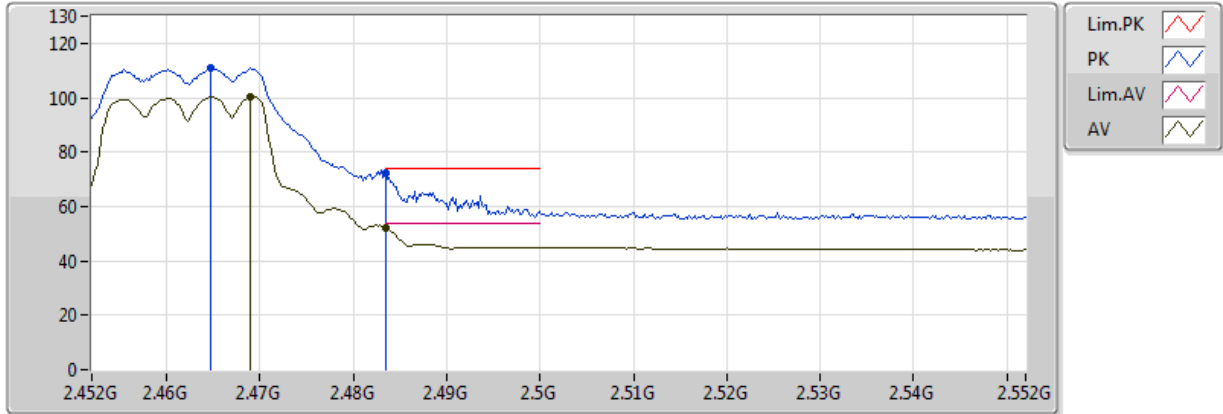


PIFA+PCB ANT = ANT A+ANT B
 EUT = Y axis, ANT = X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	30.60	54.00	-23.40	1.17	3	H	NaN	NaN	-
AV	7.386G	34.40	54.00	-19.60	6.62	3	H	NaN	NaN	-
PK	4.924G	44.88	74.00	-29.12	1.17	3	H	NaN	NaN	-
PK	7.386G	49.59	74.00	-24.41	6.62	3	H	NaN	NaN	-
PK	9.848G	51.91	Inf	-Inf	9.71	3	H	NaN	NaN	-
AV	2.469G	100.29	Inf	-Inf	30.48	3	V	NaN	NaN	-
AV	2.483502G	52.36	54.00	-1.64	30.53	3	V	NaN	NaN	-
AV	4.924G	30.62	54.00	-23.38	1.17	3	V	NaN	NaN	-
AV	7.386G	34.56	54.00	-19.44	6.62	3	V	NaN	NaN	-
PK	2.4648G	110.88	Inf	-Inf	30.47	3	V	NaN	NaN	-
PK	2.483502G	72.34	74.00	-1.66	30.53	3	V	NaN	NaN	-
PK	4.924G	45.58	74.00	-28.42	1.17	3	V	NaN	NaN	-
PK	7.386G	49.23	74.00	-24.77	6.62	3	V	NaN	NaN	-
PK	9.848G	51.80	Inf	-Inf	9.71	3	V	NaN	NaN	-

802.11g_Nss1_2TX

2462MHz_Ant PIFA+PCB

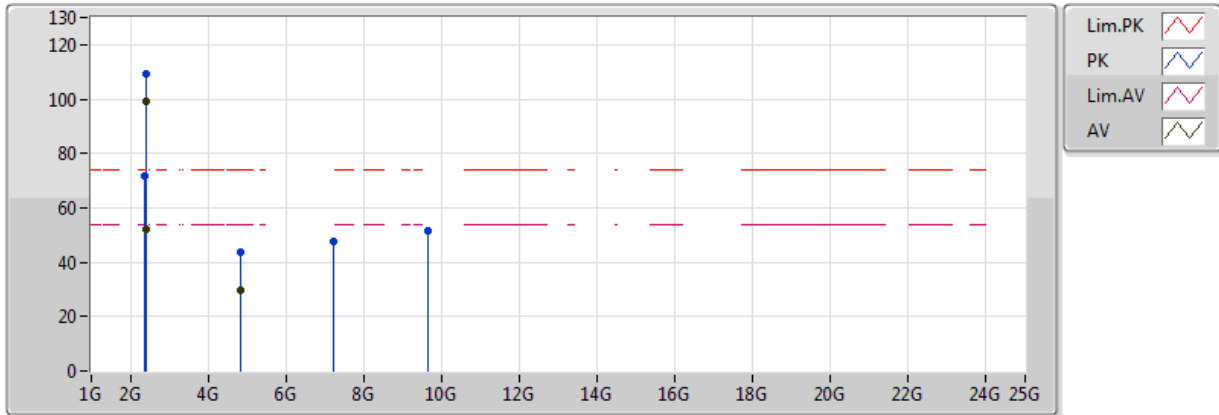


PIFA+PCB ANT = ANT A+ ANT B
 EUT =Y axis, ANT=X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.469G	100.29	Inf	-Inf	30.48	3	V	NaN	NaN	-
AV	2.483502G	52.36	54.00	-1.64	30.53	3	V	NaN	NaN	-
PK	2.4648G	110.88	Inf	-Inf	30.47	3	V	NaN	NaN	-
PK	2.483502G	72.34	74.00	-1.66	30.53	3	V	NaN	NaN	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_Ant PIFA+PCB

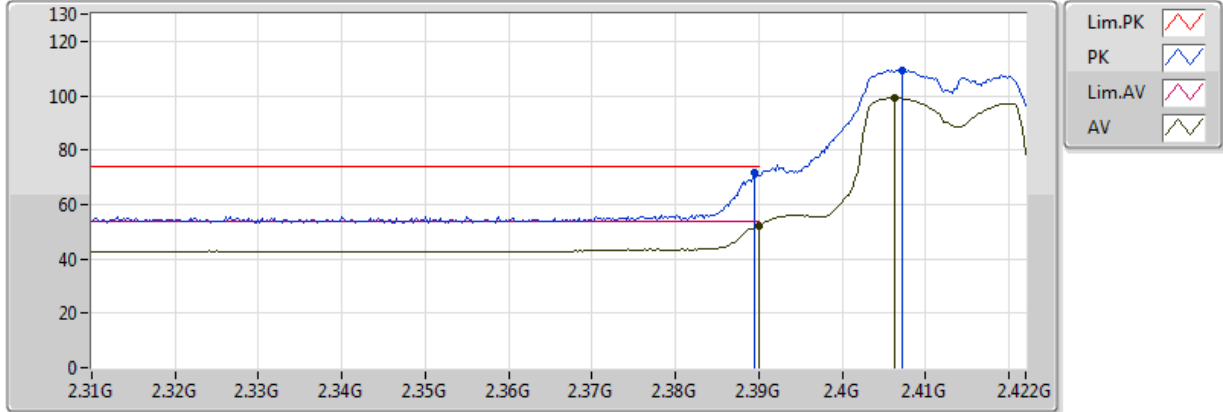


PIFA+PCB ANT = ANT A+ANT B
EUT =Y axis, ANT=X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	29.48	54.00	-24.52	0.95	3	H	NaN	NaN	-
PK	4.824G	43.69	74.00	-30.31	0.95	3	H	NaN	NaN	-
PK	7.236G	47.66	Inf	-Inf	6.26	3	H	NaN	NaN	-
PK	9.648G	51.54	Inf	-Inf	9.49	3	H	NaN	NaN	-
AV	2.389998G	52.25	54.00	-1.75	30.23	3	V	NaN	NaN	-
AV	2.40632G	99.19	Inf	-Inf	30.28	3	V	NaN	NaN	-
AV	4.824G	29.57	54.00	-24.43	0.95	3	V	NaN	NaN	-
PK	2.38952G	71.93	74.00	-2.07	30.23	3	V	NaN	NaN	-
PK	2.407216G	109.39	Inf	-Inf	30.28	3	V	NaN	NaN	-
PK	4.824G	43.52	74.00	-30.48	0.95	3	V	NaN	NaN	-
PK	7.236G	47.68	Inf	-Inf	6.26	3	V	NaN	NaN	-
PK	9.648G	51.55	Inf	-Inf	9.49	3	V	NaN	NaN	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_Ant PIFA+PCB

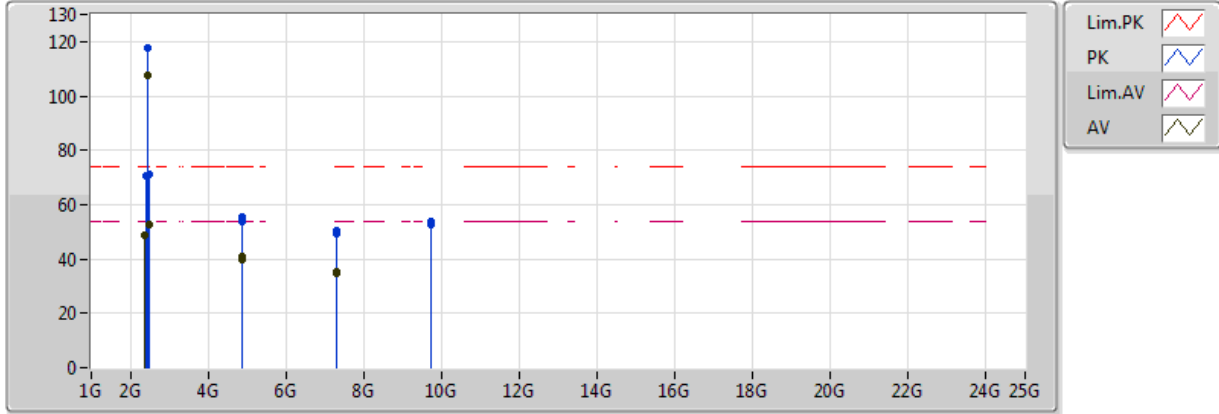


PIFA+PCB ANT = ANT A+ ANT B
EUT =Y axis, ANT=X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	52.25	54.00	-1.75	30.23	3	V	NaN	NaN	-
AV	2.40632G	99.19	Inf	-Inf	30.28	3	V	NaN	NaN	-
PK	2.38952G	71.93	74.00	-2.07	30.23	3	V	NaN	NaN	-
PK	2.407216G	109.39	Inf	-Inf	30.28	3	V	NaN	NaN	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_Ant PIFA+PCB

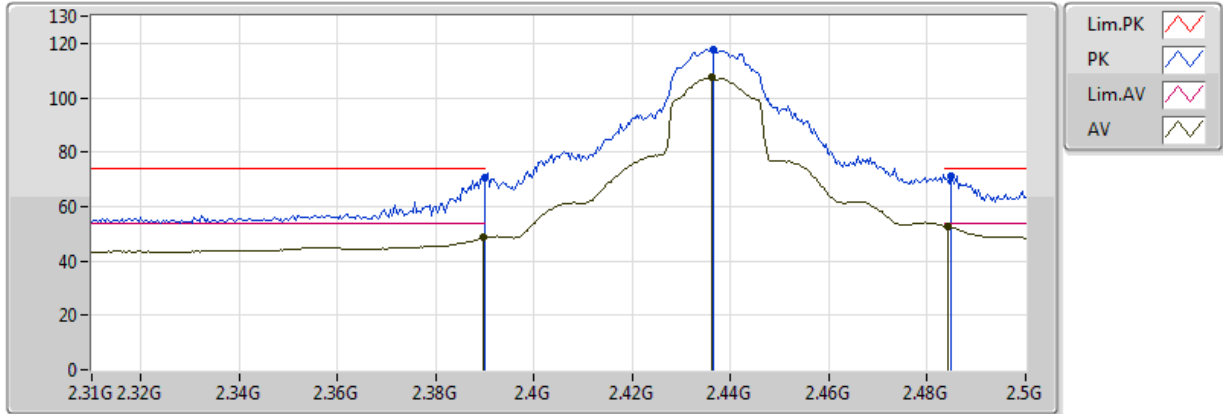


PIFA+PCB ANT = ANT A+ ANT B
EUT = Y axis, ANT=X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	39.54	54.00	-14.46	1.06	3	H	NaN	NaN	-
AV	7.311G	35.15	54.00	-18.85	6.44	3	H	NaN	NaN	-
PK	4.874G	53.66	74.00	-20.34	1.06	3	H	NaN	NaN	-
PK	7.311G	50.41	74.00	-23.59	6.44	3	H	NaN	NaN	-
PK	9.748G	54.00	Inf	-Inf	9.60	3	H	NaN	NaN	-
AV	2.3898G	48.58	54.00	-5.42	30.23	3	V	NaN	NaN	-
AV	2.43616G	107.31	Inf	-Inf	30.38	3	V	NaN	NaN	-
AV	2.48404G	52.74	54.00	-1.26	30.53	3	V	NaN	NaN	-
AV	4.874G	41.14	54.00	-12.86	1.06	3	V	NaN	NaN	-
AV	7.311G	34.51	54.00	-19.49	6.44	3	V	NaN	NaN	-
PK	2.389998G	70.70	74.00	-3.30	30.23	3	V	NaN	NaN	-
PK	2.43654G	117.56	Inf	-Inf	30.38	3	V	NaN	NaN	-
PK	2.4848G	71.33	74.00	-2.67	30.53	3	V	NaN	NaN	-
PK	4.874G	55.48	74.00	-18.52	1.06	3	V	NaN	NaN	-
PK	7.311G	49.36	74.00	-24.64	6.44	3	V	NaN	NaN	-
PK	9.748G	52.90	Inf	-Inf	9.60	3	V	NaN	NaN	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_Ant PIFA+PCB

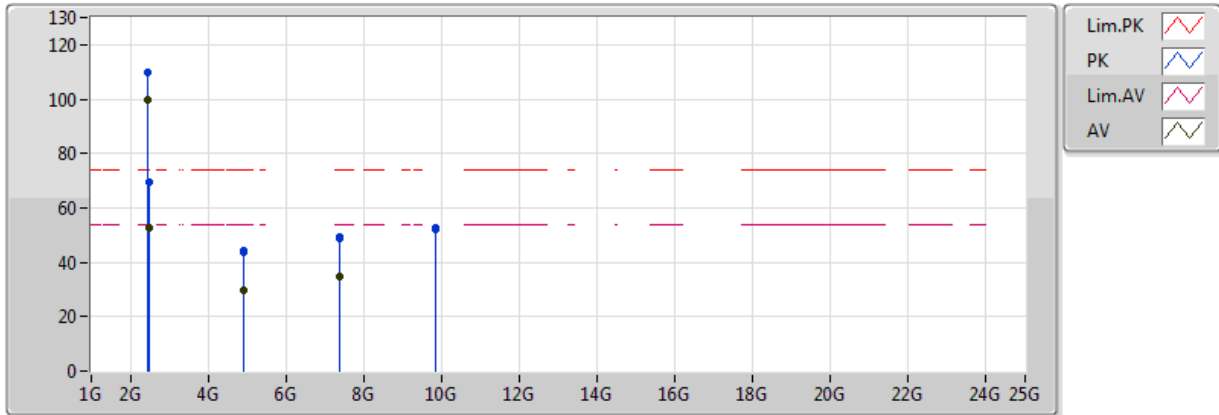


PIFA+PCB ANT = ANT A+ ANT B
 EUT =Y axis, ANT=X axis

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	48.58	54.00	-5.42	30.23	3	V	NaN	NaN	-
AV	2.43616G	107.31	Inf	-Inf	30.38	3	V	NaN	NaN	-
AV	2.48404G	52.74	54.00	-1.26	30.53	3	V	NaN	NaN	-
PK	2.389998G	70.70	74.00	-3.30	30.23	3	V	NaN	NaN	-
PK	2.43654G	117.56	Inf	-Inf	30.38	3	V	NaN	NaN	-
PK	2.4848G	71.33	74.00	-2.67	30.53	3	V	NaN	NaN	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_Ant PIFA+PCB

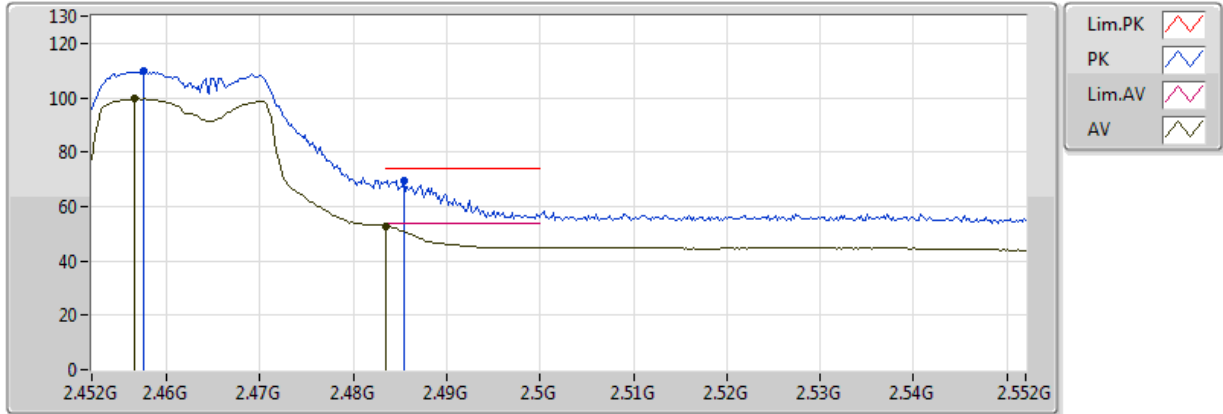


PIFA+PCB ANT = ANT A+ANT B
EUT =Y axis, ANT=X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	29.78	54.00	-24.22	1.17	3	H	NaN	NaN	-
AV	7.386G	34.79	54.00	-19.21	6.62	3	H	NaN	NaN	-
PK	4.924G	43.79	74.00	-30.21	1.17	3	H	NaN	NaN	-
PK	7.386G	48.99	74.00	-25.01	6.62	3	H	NaN	NaN	-
PK	9.848G	52.82	Inf	-Inf	9.71	3	H	NaN	NaN	-
AV	2.4566G	99.63	Inf	-Inf	30.44	3	V	NaN	NaN	-
AV	2.483502G	52.82	54.00	-1.18	30.53	3	V	NaN	NaN	-
AV	4.924G	29.94	54.00	-24.06	1.17	3	V	NaN	NaN	-
AV	7.386G	34.66	54.00	-19.34	6.62	3	V	NaN	NaN	-
PK	2.4576G	109.95	Inf	-Inf	30.44	3	V	NaN	NaN	-
PK	2.4854G	69.62	74.00	-4.38	30.53	3	V	NaN	NaN	-
PK	4.924G	44.27	74.00	-29.73	1.17	3	V	NaN	NaN	-
PK	7.386G	49.48	74.00	-24.52	6.62	3	V	NaN	NaN	-
PK	9.848G	52.19	Inf	-Inf	9.71	3	V	NaN	NaN	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_Ant PIFA+PCB

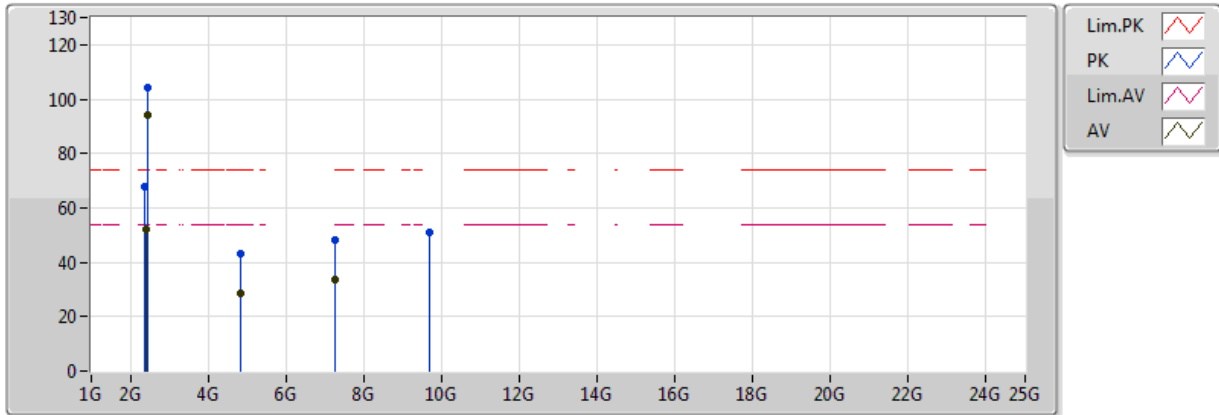


PIFA+PCB ANT = ANT A+ ANT B
EUT =Y axis, ANT=X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4566G	99.63	Inf	-Inf	30.44	3	V	NaN	NaN	-
AV	2.483502G	52.82	54.00	-1.18	30.53	3	V	NaN	NaN	-
PK	2.4576G	109.95	Inf	-Inf	30.44	3	V	NaN	NaN	-
PK	2.4854G	69.62	74.00	-4.38	30.53	3	V	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_Ant PIFA+PCB

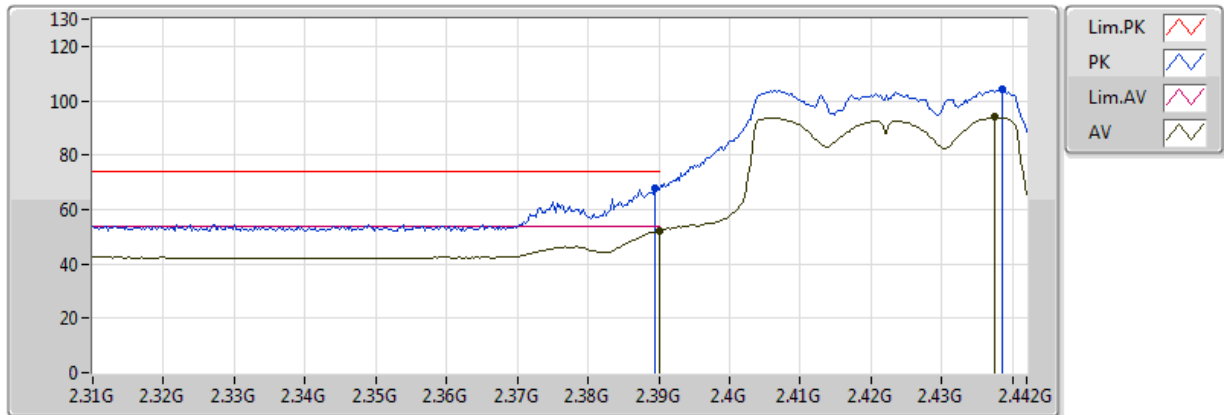


PIFA+PCB ANT = ANT A+ANT B
EUT =Y axis, ANT=X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.844G	28.54	54.00	-25.46	0.99	3	H	NaN	NaN	-
AV	7.266G	33.90	54.00	-20.10	6.33	3	H	NaN	NaN	-
PK	4.844G	43.35	74.00	-30.65	0.99	3	H	NaN	NaN	-
PK	7.266G	48.34	74.00	-25.66	6.33	3	H	NaN	NaN	-
PK	9.688G	50.94	Inf	-Inf	9.54	3	H	NaN	NaN	-
AV	2.389998G	52.12	54.00	-1.88	30.23	3	V	NaN	NaN	-
AV	2.437512G	93.96	Inf	-Inf	30.38	3	V	NaN	NaN	-
AV	4.844G	28.56	54.00	-25.44	0.99	3	V	NaN	NaN	-
AV	7.266G	33.87	54.00	-20.13	6.33	3	V	NaN	NaN	-
PK	2.389464G	67.96	74.00	-6.04	30.23	3	V	NaN	NaN	-
PK	2.438568G	104.05	Inf	-Inf	30.38	3	V	NaN	NaN	-
PK	4.844G	43.11	74.00	-30.89	0.99	3	V	NaN	NaN	-
PK	7.266G	48.45	74.00	-25.55	6.33	3	V	NaN	NaN	-
PK	9.688G	50.95	Inf	-Inf	9.54	3	V	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_Ant PIFA+PCB

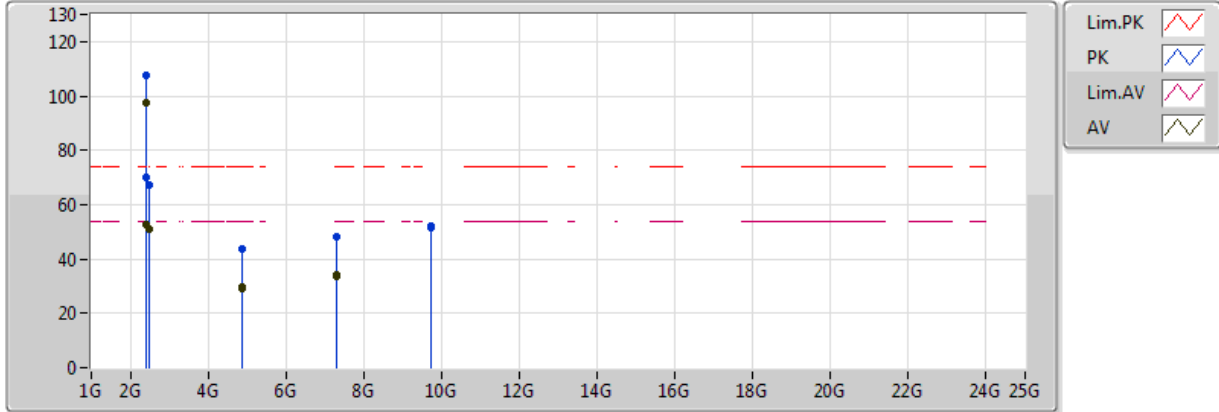


PIFA+PCB ANT = ANT A+ ANT B
EUT =Y axis, ANT=X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	52.12	54.00	-1.88	30.23	3	V	NaN	NaN	-
AV	2.437512G	93.96	Inf	-Inf	30.38	3	V	NaN	NaN	-
PK	2.389464G	67.96	74.00	-6.04	30.23	3	V	NaN	NaN	-
PK	2.438568G	104.05	Inf	-Inf	30.38	3	V	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_Ant PIFA+PCB

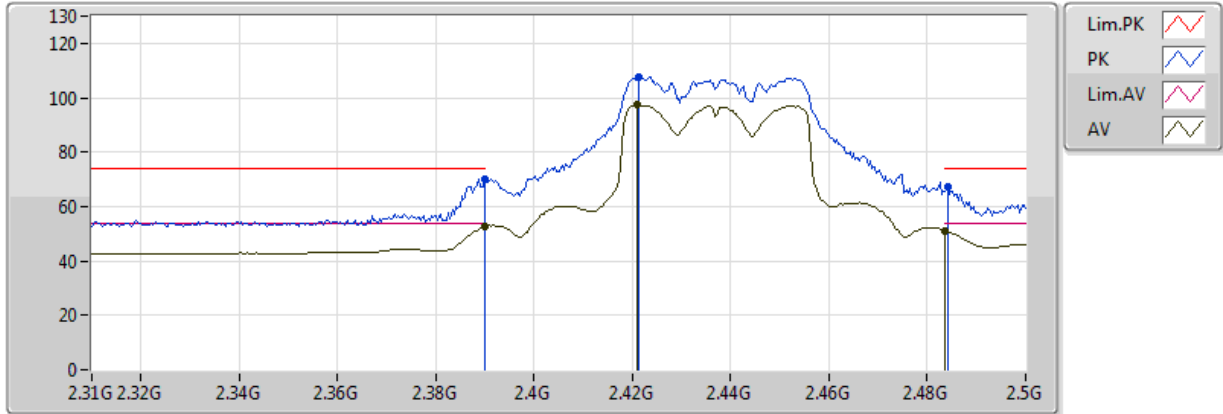


PIFA+PCB ANT = ANT A+ ANT B
EUT = Y axis, ANT = X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	29.43	54.00	-24.57	1.06	3	H	NaN	NaN	-
AV	7.311G	33.90	54.00	-20.10	6.44	3	H	NaN	NaN	-
PK	4.874G	43.48	74.00	-30.52	1.06	3	H	NaN	NaN	-
PK	7.311G	48.29	74.00	-25.71	6.44	3	H	NaN	NaN	-
PK	9.748G	51.87	Inf	-Inf	9.60	3	H	NaN	NaN	-
AV	2.389998G	52.64	54.00	-1.36	30.23	3	V	NaN	NaN	-
AV	2.42096G	97.31	Inf	-Inf	30.33	3	V	NaN	NaN	-
AV	2.48366G	51.17	54.00	-2.83	30.53	3	V	NaN	NaN	-
AV	4.874G	29.34	54.00	-24.66	1.06	3	V	NaN	NaN	-
AV	7.311G	33.92	54.00	-20.08	6.44	3	V	NaN	NaN	-
PK	2.389998G	70.30	74.00	-3.70	30.23	3	V	NaN	NaN	-
PK	2.42134G	107.57	Inf	-Inf	30.33	3	V	NaN	NaN	-
PK	2.48404G	67.18	74.00	-6.82	30.53	3	V	NaN	NaN	-
PK	4.874G	43.50	74.00	-30.50	1.06	3	V	NaN	NaN	-
PK	7.311G	48.23	74.00	-25.77	6.44	3	V	NaN	NaN	-
PK	9.748G	51.53	Inf	-Inf	9.60	3	V	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_Ant PIFA+PCB

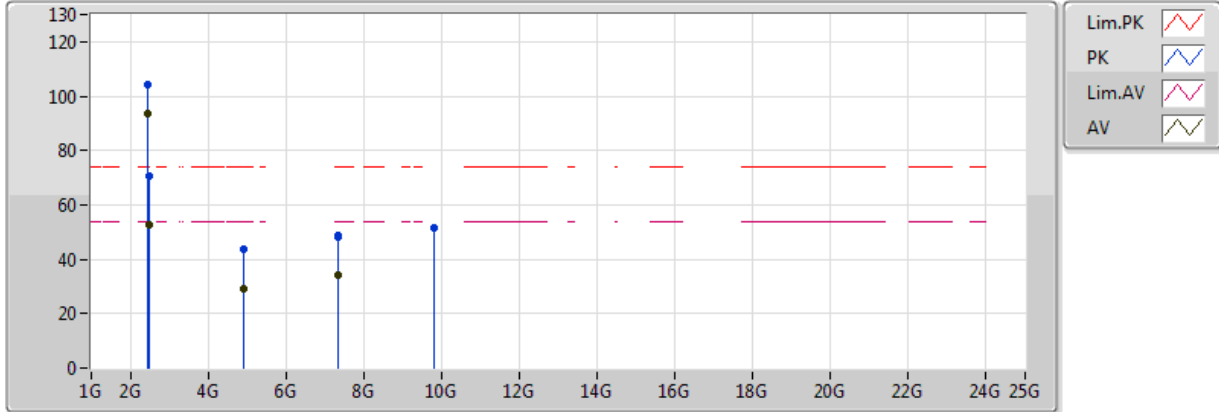


PIFA+PCB ANT = ANT A+ ANT B
 EUT =Y axis, ANT=X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	52.64	54.00	-1.36	30.23	3	V	NaN	NaN	-
AV	2.42096G	97.31	Inf	-Inf	30.33	3	V	NaN	NaN	-
AV	2.48366G	51.17	54.00	-2.83	30.53	3	V	NaN	NaN	-
PK	2.389998G	70.30	74.00	-3.70	30.23	3	V	NaN	NaN	-
PK	2.42134G	107.57	Inf	-Inf	30.33	3	V	NaN	NaN	-
PK	2.48404G	67.18	74.00	-6.82	30.53	3	V	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_Ant PIFA+PCB

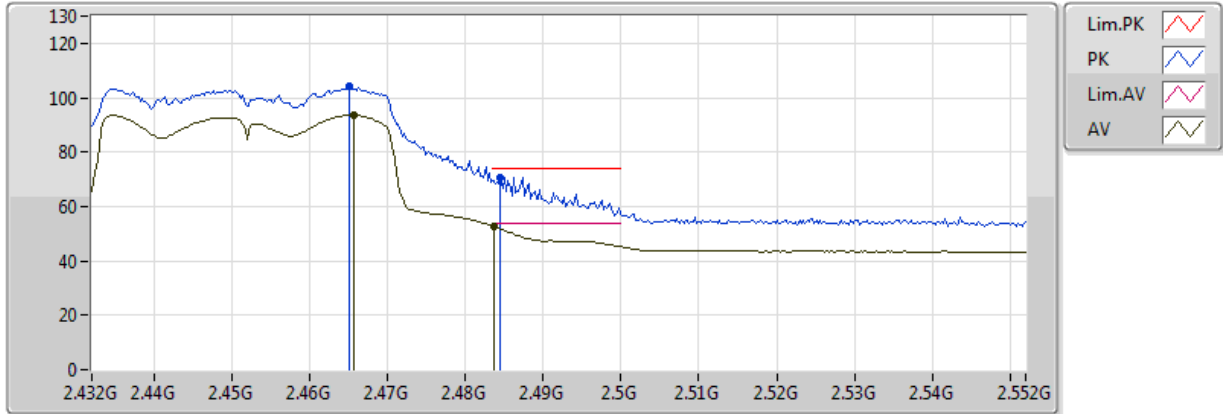


PIFA+PCB ANT = ANT A+ANT B
EUT =Y axis, ANT=X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.904G	28.96	54.00	-25.04	1.12	3	H	NaN	NaN	-
AV	7.356G	34.02	54.00	-19.98	6.54	3	H	NaN	NaN	-
PK	4.904G	43.79	74.00	-30.21	1.12	3	H	NaN	NaN	-
PK	7.356G	48.90	74.00	-25.10	6.54	3	H	NaN	NaN	-
PK	9.808G	51.76	Inf	-Inf	9.67	3	H	NaN	NaN	-
AV	2.4656G	93.50	Inf	-Inf	30.47	3	V	NaN	NaN	-
AV	2.4836G	52.71	54.00	-1.29	30.53	3	V	NaN	NaN	-
AV	4.904G	29.04	54.00	-24.96	1.12	3	V	NaN	NaN	-
AV	7.356G	34.03	54.00	-19.97	6.54	3	V	NaN	NaN	-
PK	2.46512G	104.09	Inf	-Inf	30.47	3	V	NaN	NaN	-
PK	2.48456G	70.77	74.00	-3.23	30.53	3	V	NaN	NaN	-
PK	4.904G	43.93	74.00	-30.07	1.12	3	V	NaN	NaN	-
PK	7.356G	48.40	74.00	-25.60	6.54	3	V	NaN	NaN	-
PK	9.808G	51.67	Inf	-Inf	9.67	3	V	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_Ant PIFA+PCB



PIFA+PCB ANT = ANT A+ANT B
 EUT =Y axis, ANT=X axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4656G	93.50	Inf	-Inf	30.47	3	V	NaN	NaN	-
AV	2.4836G	52.71	54.00	-1.29	30.53	3	V	NaN	NaN	-
PK	2.46512G	104.09	Inf	-Inf	30.47	3	V	NaN	NaN	-
PK	2.48456G	70.77	74.00	-3.23	30.53	3	V	NaN	NaN	-