

FCC Test Report

Equipment : AC1900 SMART WI-FI GIGABIT ROUTER
Brand Name : LINKSYS
Model No. : EA6900 V2
FCC ID : Q87-EA6900V2
Standard : 47 CFR FCC Part 15.247
Operating Band : 2400 MHz – 2483.5 MHz
Function : Point-to-multipoint; Point-to-point
Applicant / Manufacturer : LINKSYS LLC
121 Theory Drive, Irvine ,California,United States, 92617

The product sample received on Dec. 29, 2016 and completely tested on Mar. 08, 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.


Phoenix Chen / Assistant Manager





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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	Complied
3.2	15.247(a)	DTS Bandwidth	≥500kHz	Complied
3.3	15.247(b)	Maximum Conducted Output Power	Power [dBm]:30	Complied
3.4	15.247(e)	Power Spectral Density	PSD [dBm/3kHz]:8	Complied
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	Non-Restricted Bands: > 30 dBc	Complied
3.6	15.247(d)	Emissions in Restricted Frequency Bands	Restricted Bands: FCC 15.209	Complied

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	4TX
2.4-2.4835GHz	802.11g	20	4TX
2.4-2.4835GHz	802.11n HT20	20	4TX
2.4-2.4835GHz	802.11n HT40	40	4TX

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).

No.	Ant. Cat.	Ant. Type	Model No.	Gain (dBi)
A	External	Dipole	5620-Linksys EA8350	2.50
B	External	Dipole	5620-Linksys EA8350	2.50
C	External	Dipole	5620-Linksys EA8350	2.50
D	Integral	PCB	N2420DGCSBK	2.10

1.1.3 EUT Information

Identify EUT	
Operational Condition	
EUT Power Type	From Power Adapter
Beamforming Function	<input type="checkbox"/> With beamforming <input checked="" type="checkbox"/> Without beamforming
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	0.952	0.214	8.418m	300
802.11g	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT20	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT40	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)

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., Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C. TEL : 886-3-327-3456 FAX : 886-3-327-0973 Test site Designation No. 553509 with FCC.
<input type="checkbox"/>	JHUBEI	ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065 FAX : 886-3-656-9085 Test site Designation No. TW0006 with FCC.

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Gary	24.5°C / 66%	03/Mar/2017
Radiated	03CH03-HY	Thor	22.2°C / 51.8%	04/Mar/2017
AC Conduction	CO04-HY	Bear	18.8°C / 62%	08/Mar/2017

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	2.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	2.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	2.9 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%



2 Test Configuration of EUT




2.1 Test Channel Mode

Test Software Version	MT7615 QA 0.0.1.73
Mode	Power Setting
802.11b_Nss1_4TX	-
2412MHz	22
2437MHz	26
2462MHz	1F
802.11g_Nss1_4TX	-
2412MHz	1C
2437MHz	2E
2462MHz	1A
802.11n HT20_Nss1,(MCS0)_4TX	-
2412MHz	1A
2437MHz	2E
2462MHz	18
802.11n HT40_Nss1,(MCS0)_4TX	-
2422MHz	16
2437MHz	21
2452MHz	1E

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	CTX
1	Adapter mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Non-restricted Frequency Bands Emissions in Restricted Frequency Bands		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	Adapter mode		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT			V

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	WLAN 2.4GHz+ WLAN 5GHz
Refer to Sporton Test Report No.: FA6D2838 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	



2.3 Accessories

Specification of Accessory				
US AC Adapter 1	Brand Name	I.T.E	Model Name	MU30-P120250-A1
	Power Rating	I/P: 100-240Vac, 0.8A, O/P:12Vdc, 2.5A		
US AC Adapter 2	Brand Name	APD	Model Name	WA-30J12FU
	Power Rating	I/P: 100-240Vac, 0.9A, O/P:12Vdc, 2.5A		
RJ45 Cable 1	Category	-	In/Out door	In door
	Power Cord	1 meter, non-shielded cable		
RJ45 Cable 2	Category	-	In/Out door	In door
	Power Cord	1 meter, non-shielded cable		

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

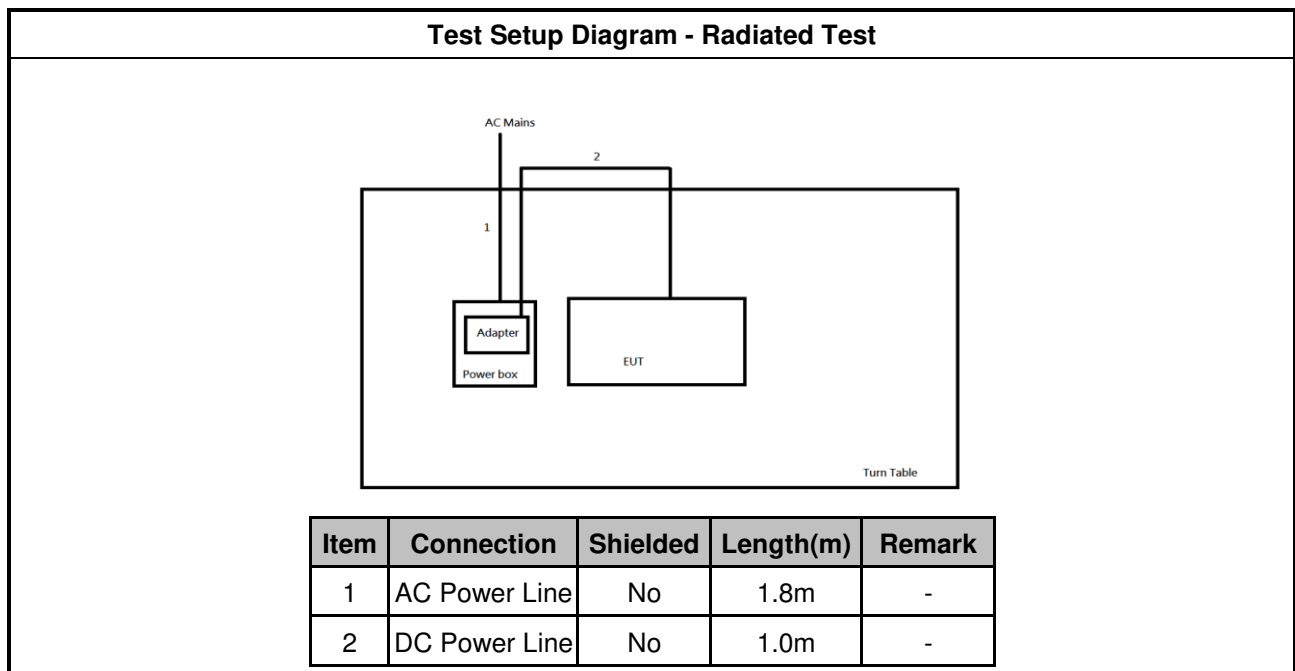
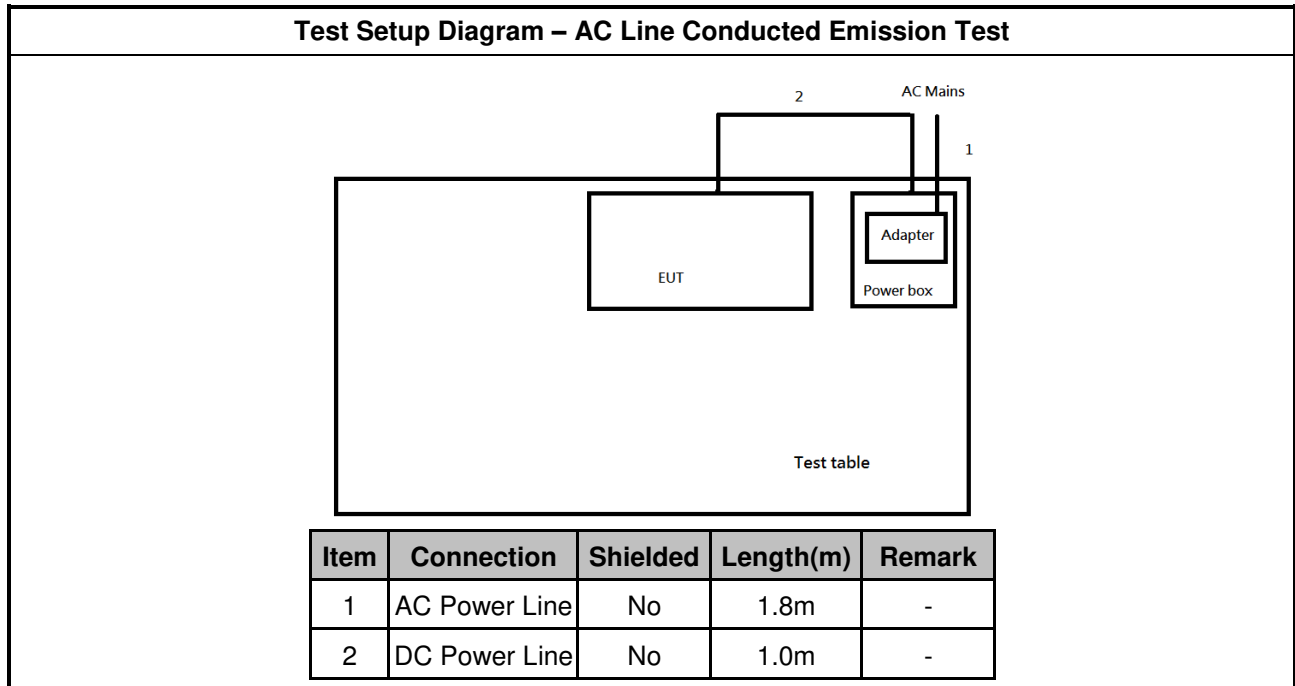
2.4 Support Equipment

Support Equipment – RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E6400	Doc
2	Adapter for NB	DELL	HA65NM130	Doc
3	Notebook	DELL	E6400	Doc
4	Adapter for NB	DELL	HA65NM130	Doc

Support Equipment – Radiated Emission				
No.	Equipment	Brand Name	Model Name	FCC ID
-	-	-	-	-

Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
-	-	-	-	-

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.

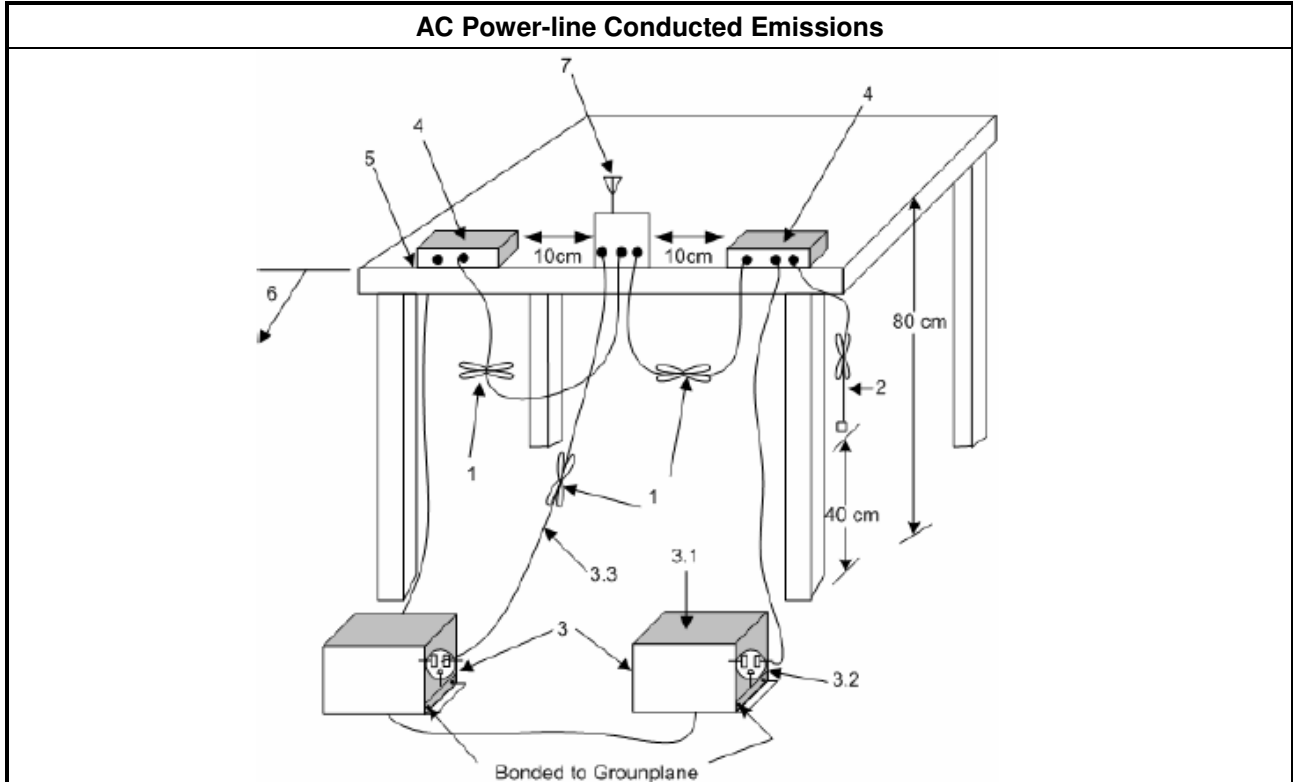
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

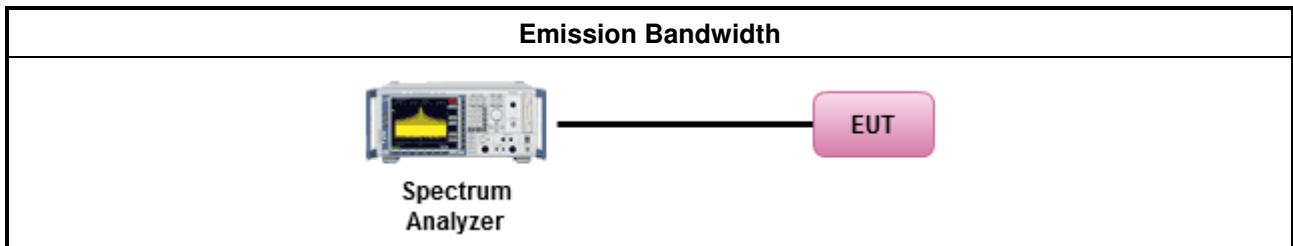
3.2.2 Measuring Instruments

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 B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
	<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 $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ 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>	

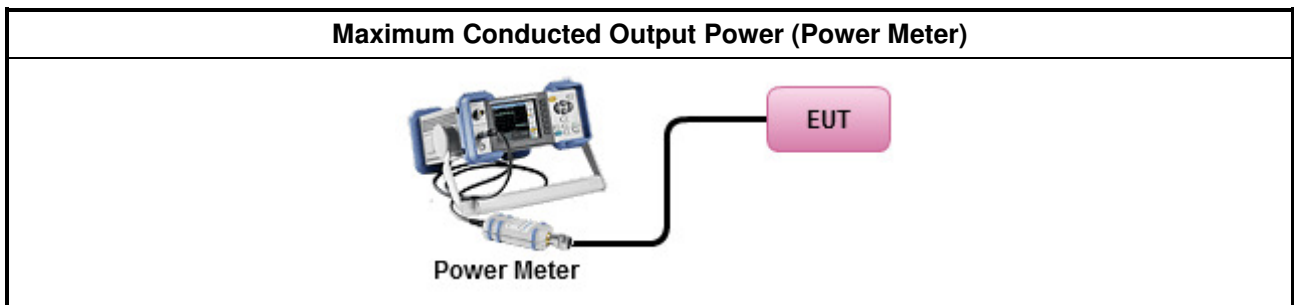
3.3.2 Measuring Instruments

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 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 9.2.3.1 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 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 C

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

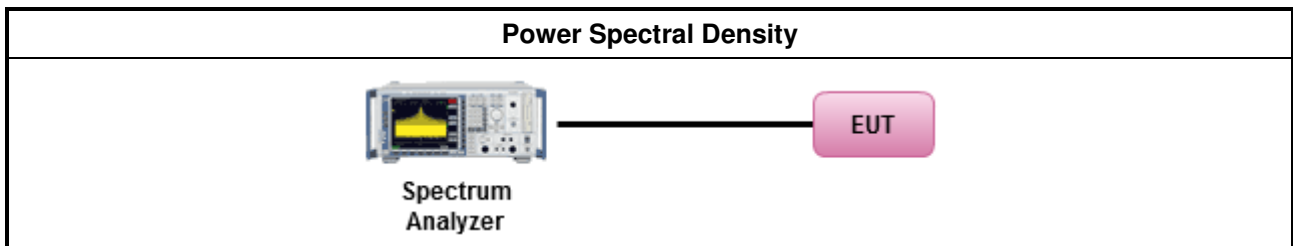
3.4.2 Measuring Instruments

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).
<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"/>	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 NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Average output power procedure	30

Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.

Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.

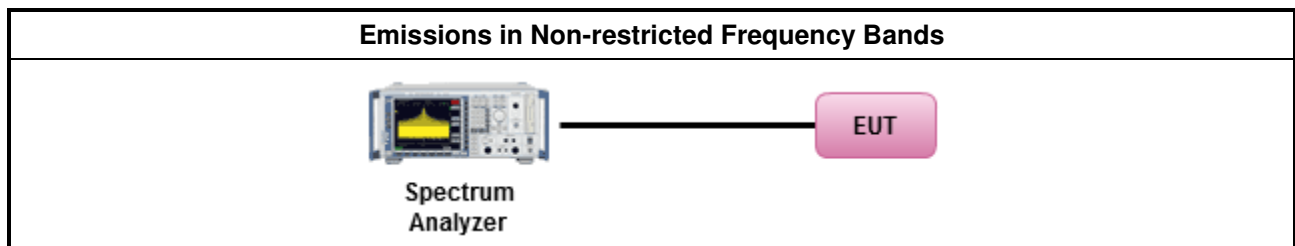
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
<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 E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

3.6.2 Measuring Instruments

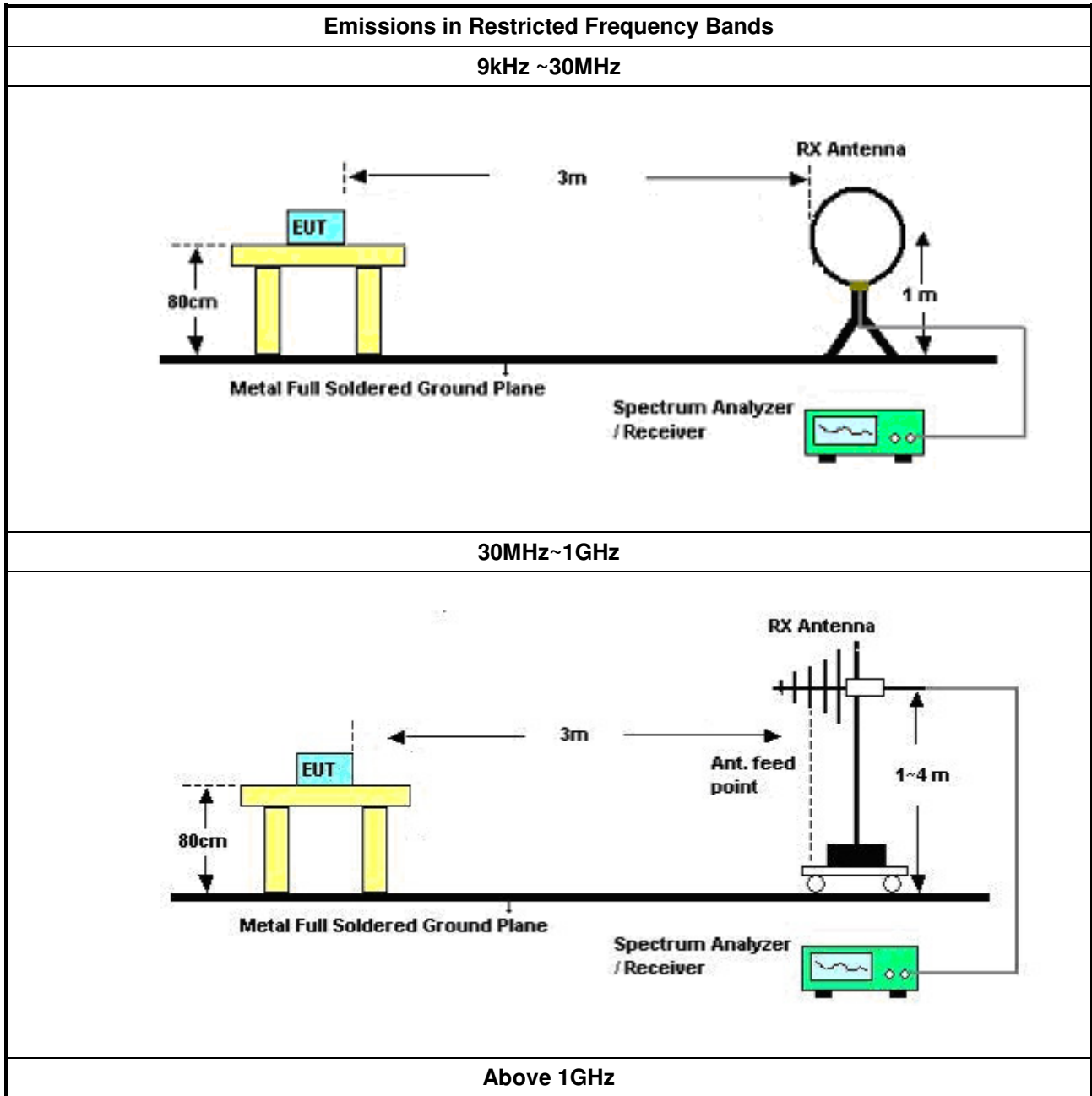
Refer a test equipment and calibration data table in this test report.

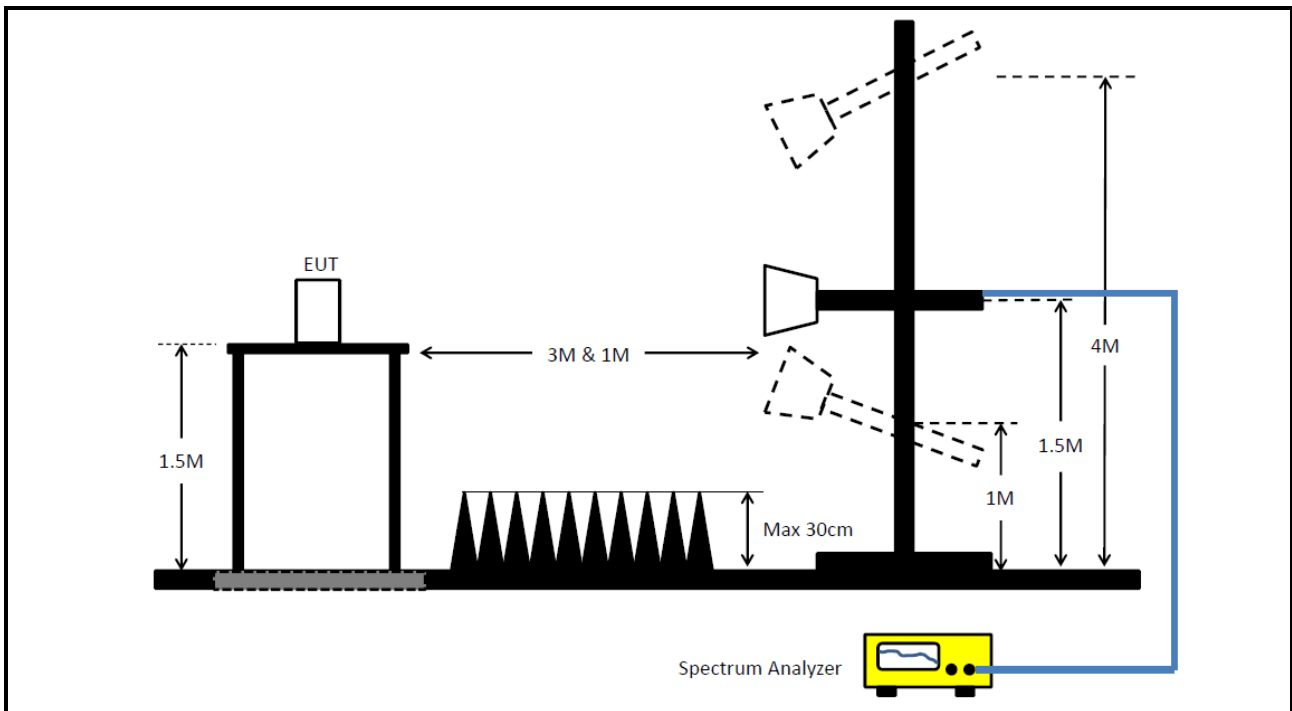


3.6.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle \geq 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. 	
	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Refer as KDB 558074, clause 12.2.5.3 (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW\geq1/T.
	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Refer as KDB 558074, clause 12.2.4 measurement procedure 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 Test Result of Emissions in Restricted Frequency Bands (Below 30MHz)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported. All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

3.6.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102051	9KHz ~ 3.6GHz	15/Apr/2016	14/Apr/2017
LISN	SCHWARZBECK MESS-ELEKTRO NIK	NSLK 8127	8127-477	9kHz ~ 30MHz	14/Feb/2017	13/Feb/2018
RF Cable-CON	HUBER+SUHNER	RG213/U	0761183202000 1	9kHz ~ 30MHz	24/Oct/2016	23/Oct/2017
LISN (Support Unit)	EMCO	3810/2	9703-1839	9kHz ~ 30MHz	NCR	NCR

NCR : Non-Calibration Require

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz	28/Nov/2016	27/Nov/2017
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz	16/Dec/2016	15/Dec/2017
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	10/May/2016	09/May/2017
Amplifier	KEYSIGHT	83017A	MY53270197	1GHz ~ 26.5GHz	29/Aug/2016	28/Aug/2017
Spectrum	R&S	FSV40	101515	9kHz ~ 40GHz	28/Nov/2016	27/Nov/2017
Bilog Antenna	SCHAFFNER	CBL 6112D	2723	30MHz ~ 1GHz	01/Oct/2016	30/Sep/2017
Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA 9120D 1531	1GHz ~ 18GHz	22/Apr/2016	21/Apr/2017
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz ~ 40GHz	06/Feb/2017	05/Feb/2018
Loop Antenna	TESEQ	HLA 6120	24155	9 kHz~30 MHz	16/Mar/2016	15/Mar/2017
RF-Cable-high	SUHNER	SUHNER	CB222	1GHz ~ 40GHz	28/Oct/2016	27/Oct/2017
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	27/Oct/2016	26/Oct/2017



Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9kHz~40GHz	30/ Dec/2016	29/ Dec/2017
Power Sensor	Anritsu	MA2411B	917017	300MHz ~ 40GHz	10/ Feb/2017	09/ Feb/2018
Power Meter	Anritsu	ML2495A	949003	300MHz ~ 40GHz	10/ Feb/2017	09/ Feb/2018
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	21/Jul/2016	20/Jul/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

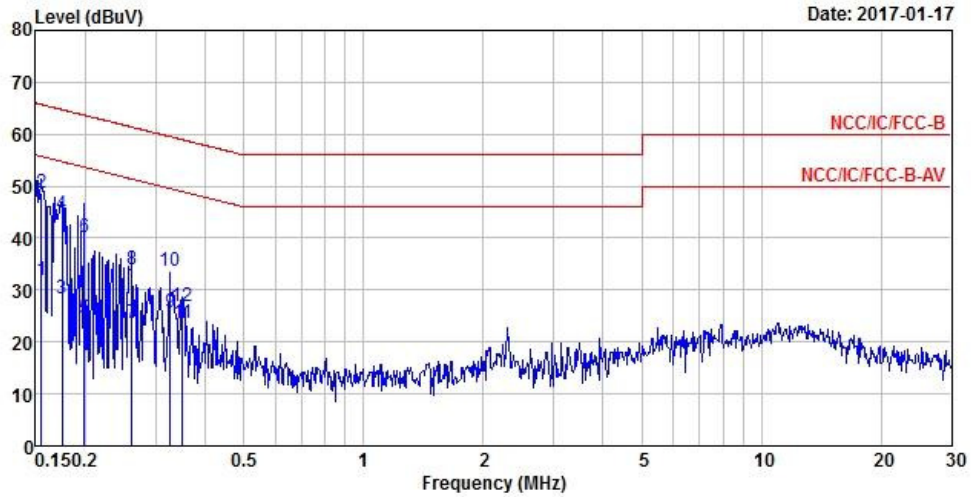


AC Power-line Conducted Emissions Result																																																																																																																																			
Operating Mode	1	Power Phase	Neutral																																																																																																																																
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<p style="text-align: right; font-size: small;">Date: 2017-01-17</p>																																																																																																																																			
<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th></th> <th>Freq</th> <th>Level</th> <th>Over Limit</th> <th>Limit Line</th> <th>Read Level</th> <th>LISN Factor</th> <th>Cable Loss</th> <th>Remark</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV</th> <th>dB</th> <th>dBuV</th> <th>dBuV</th> <th>dB</th> <th>dB</th> <th></th> </tr> </thead> <tbody> <tr><td>1</td><td>0.15</td><td>31.09</td><td>-24.65</td><td>55.74</td><td>30.75</td><td>0.11</td><td>0.23</td><td>Average</td></tr> <tr><td>2</td><td>0.15</td><td>48.08</td><td>-17.66</td><td>65.74</td><td>47.74</td><td>0.11</td><td>0.23</td><td>QP</td></tr> <tr><td>3</td><td>0.17</td><td>26.47</td><td>-28.74</td><td>55.21</td><td>26.11</td><td>0.11</td><td>0.25</td><td>Average</td></tr> <tr><td>4</td><td>0.17</td><td>43.88</td><td>-21.33</td><td>65.21</td><td>43.52</td><td>0.11</td><td>0.25</td><td>QP</td></tr> <tr><td>5</td><td>0.18</td><td>27.32</td><td>-27.36</td><td>54.68</td><td>26.95</td><td>0.11</td><td>0.26</td><td>Average</td></tr> <tr><td>6</td><td>0.18</td><td>43.56</td><td>-21.12</td><td>64.68</td><td>43.19</td><td>0.11</td><td>0.26</td><td>QP</td></tr> <tr><td>7</td><td>0.19</td><td>23.39</td><td>-30.54</td><td>53.93</td><td>22.99</td><td>0.11</td><td>0.29</td><td>Average</td></tr> <tr><td>8</td><td>0.19</td><td>38.46</td><td>-25.47</td><td>63.93</td><td>38.06</td><td>0.11</td><td>0.29</td><td>QP</td></tr> <tr><td>9</td><td>0.29</td><td>30.70</td><td>-19.91</td><td>50.61</td><td>30.38</td><td>0.12</td><td>0.20</td><td>Average</td></tr> <tr><td>10</td><td>0.29</td><td>35.52</td><td>-25.09</td><td>60.61</td><td>35.20</td><td>0.12</td><td>0.20</td><td>QP</td></tr> <tr style="border: 2px solid black;"><td>11</td><td>MAX</td><td>0.33</td><td>35.90</td><td>-13.52</td><td>49.42</td><td>35.62</td><td>0.12</td><td>0.16</td><td>Average</td></tr> <tr><td>12</td><td></td><td>0.33</td><td>39.46</td><td>-19.96</td><td>59.42</td><td>39.18</td><td>0.12</td><td>0.16</td><td>QP</td></tr> </tbody> </table>					Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark		MHz	dBuV	dB	dBuV	dBuV	dB	dB		1	0.15	31.09	-24.65	55.74	30.75	0.11	0.23	Average	2	0.15	48.08	-17.66	65.74	47.74	0.11	0.23	QP	3	0.17	26.47	-28.74	55.21	26.11	0.11	0.25	Average	4	0.17	43.88	-21.33	65.21	43.52	0.11	0.25	QP	5	0.18	27.32	-27.36	54.68	26.95	0.11	0.26	Average	6	0.18	43.56	-21.12	64.68	43.19	0.11	0.26	QP	7	0.19	23.39	-30.54	53.93	22.99	0.11	0.29	Average	8	0.19	38.46	-25.47	63.93	38.06	0.11	0.29	QP	9	0.29	30.70	-19.91	50.61	30.38	0.12	0.20	Average	10	0.29	35.52	-25.09	60.61	35.20	0.12	0.20	QP	11	MAX	0.33	35.90	-13.52	49.42	35.62	0.12	0.16	Average	12		0.33	39.46	-19.96	59.42	39.18	0.12	0.16	QP
	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark																																																																																																																											
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<p>Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit. Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)</p>																																																																																																																																			



AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	Adapter Mode		



	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.15	31.89	-23.85	55.74	31.56	0.10	0.23	Average
2	0.15	48.80	-16.94	65.74	48.47	0.10	0.23	QP
3	0.17	28.42	-26.30	54.72	28.05	0.11	0.26	Average
4	0.17	44.45	-20.27	64.72	44.08	0.11	0.26	QP
5	0.20	24.59	-29.09	53.68	24.18	0.11	0.30	Average
6	0.20	40.17	-23.51	63.68	39.76	0.11	0.30	QP
7	0.26	23.63	-27.75	51.38	23.30	0.11	0.22	Average
8	0.26	34.09	-27.29	61.38	33.76	0.11	0.22	QP
9	0.33	25.83	-23.70	49.53	25.55	0.12	0.16	Average
10	0.33	33.72	-25.81	59.53	33.44	0.12	0.16	QP
11	0.35	23.57	-25.39	48.96	23.31	0.12	0.14	Average
12	0.35	26.95	-32.01	58.96	26.69	0.12	0.14	QP

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



Summary

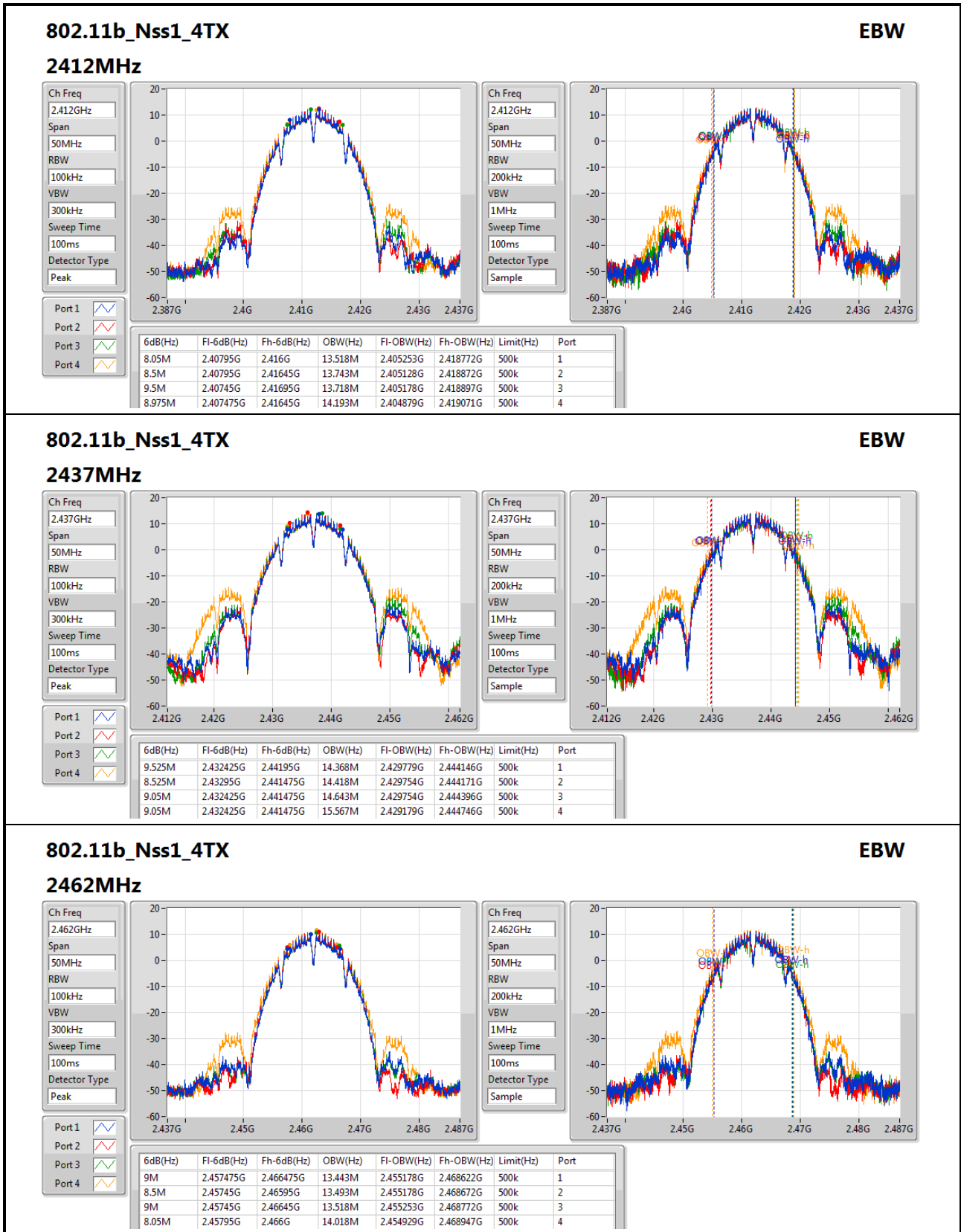
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11b_Nss1_4TX	-	-	-	-	-
2.4-2.4835GHz	9.525M	15.567M	15M6G1D	8.05M	13.443M
802.11g_Nss1_4TX	-	-	-	-	-
2.4-2.4835GHz	16.35M	24.413M	24M4D1D	16.275M	16.317M
802.11n HT20_Nss1,(MCS0)_4TX	-	-	-	-	-
2.4-2.4835GHz	17.575M	25.887M	25M9D1D	17.275M	17.541M
802.11n HT40_Nss1,(MCS0)_4TX	-	-	-	-	-
2.4-2.4835GHz	36M	36.082M	36M1D1D	34.8M	35.782M

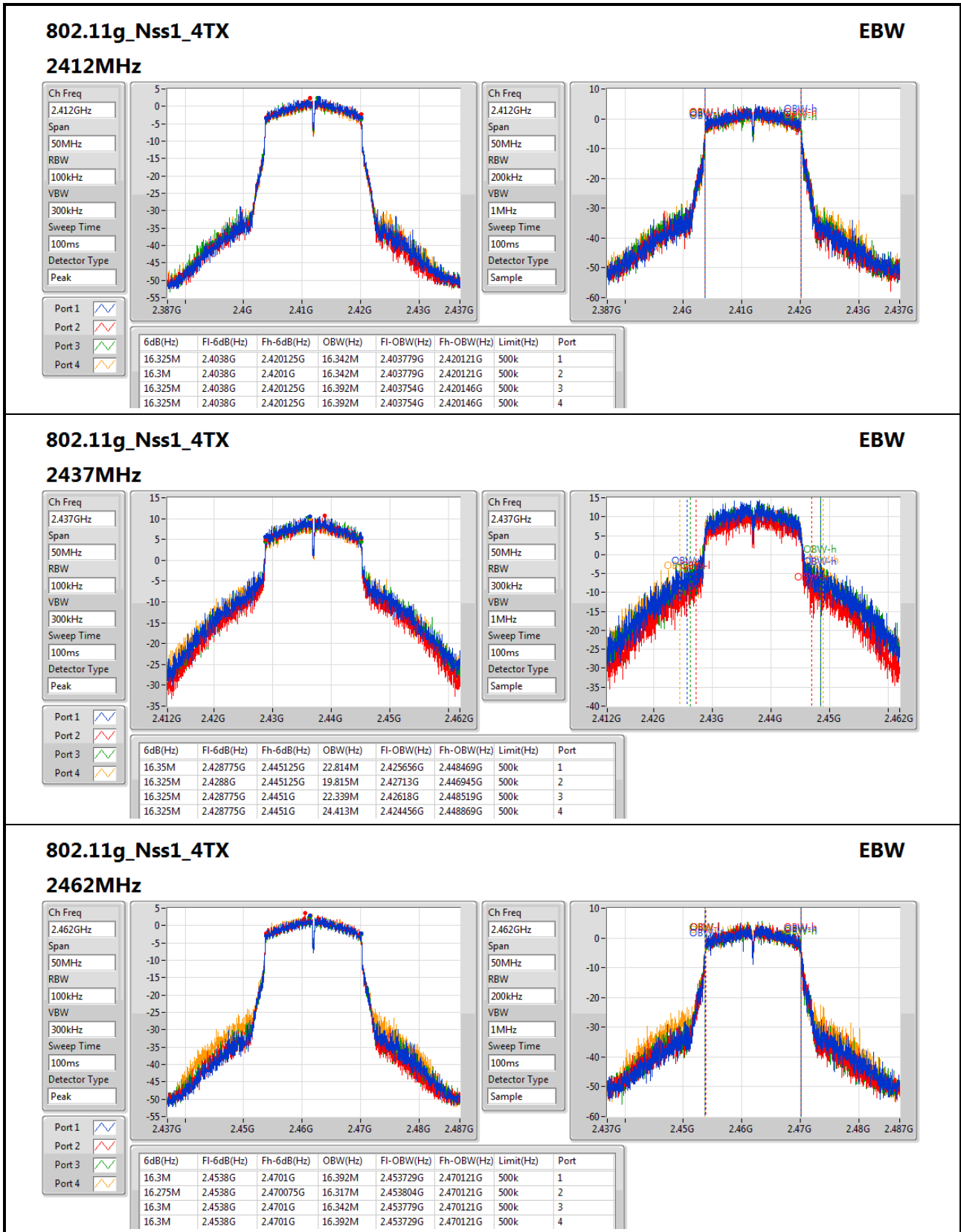
Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	8.05M	13.518M	8.5M	13.743M	9.5M	13.718M	8.975M	14.193M
2437MHz	Pass	500k	9.525M	14.368M	8.525M	14.418M	9.05M	14.643M	9.05M	15.567M
2462MHz	Pass	500k	9M	13.443M	8.5M	13.493M	9M	13.518M	8.05M	14.018M
802.11g_Nss1_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.342M	16.3M	16.342M	16.325M	16.392M	16.325M	16.392M
2437MHz	Pass	500k	16.35M	22.814M	16.325M	19.815M	16.325M	22.339M	16.325M	24.413M
2462MHz	Pass	500k	16.3M	16.392M	16.275M	16.317M	16.3M	16.342M	16.3M	16.392M
802.11n HT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	17.55M	17.541M	17.575M	17.541M	17.575M	17.566M	17.575M	17.541M
2437MHz	Pass	500k	17.55M	24.563M	17.55M	21.664M	17.575M	24.088M	17.275M	25.887M
2462MHz	Pass	500k	17.55M	17.541M	17.55M	17.541M	17.525M	17.541M	17.55M	17.566M
802.11n HT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	36M	35.832M	35.45M	35.832M	35.9M	35.832M	35.4M	35.882M
2437MHz	Pass	500k	35.9M	35.932M	35.85M	35.932M	35M	35.932M	35.05M	36.082M
2452MHz	Pass	500k	35.7M	35.932M	34.8M	35.782M	35.95M	35.982M	35.7M	35.982M

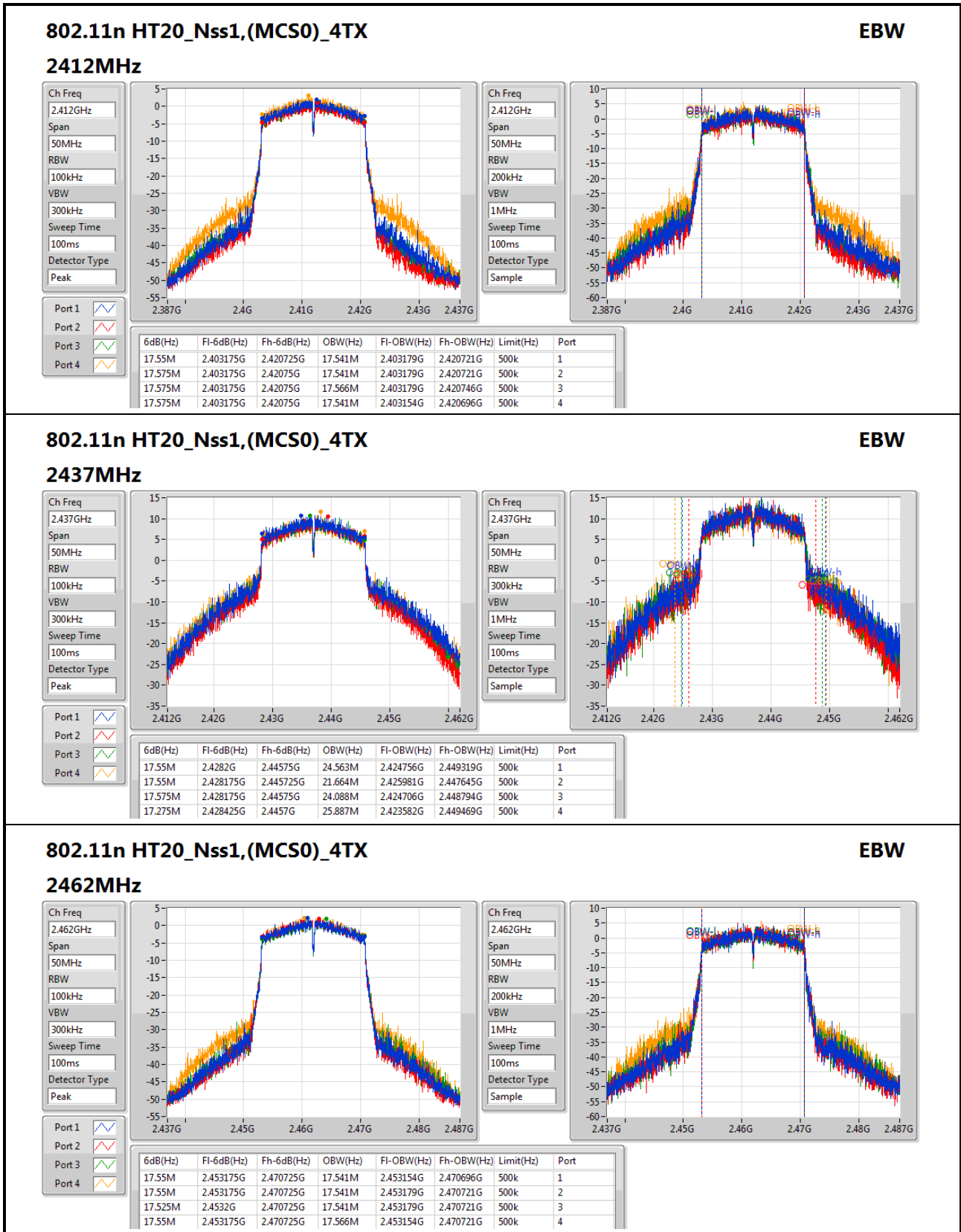
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;




802.11g_Nss1_4TX
EBW
2462MHz

Ch Freq: 2.462GHz
Span: 50MHz
RBW: 100kHz
VBW: 300kHz
Sweep Time: 100ms
Detector Type: Peak

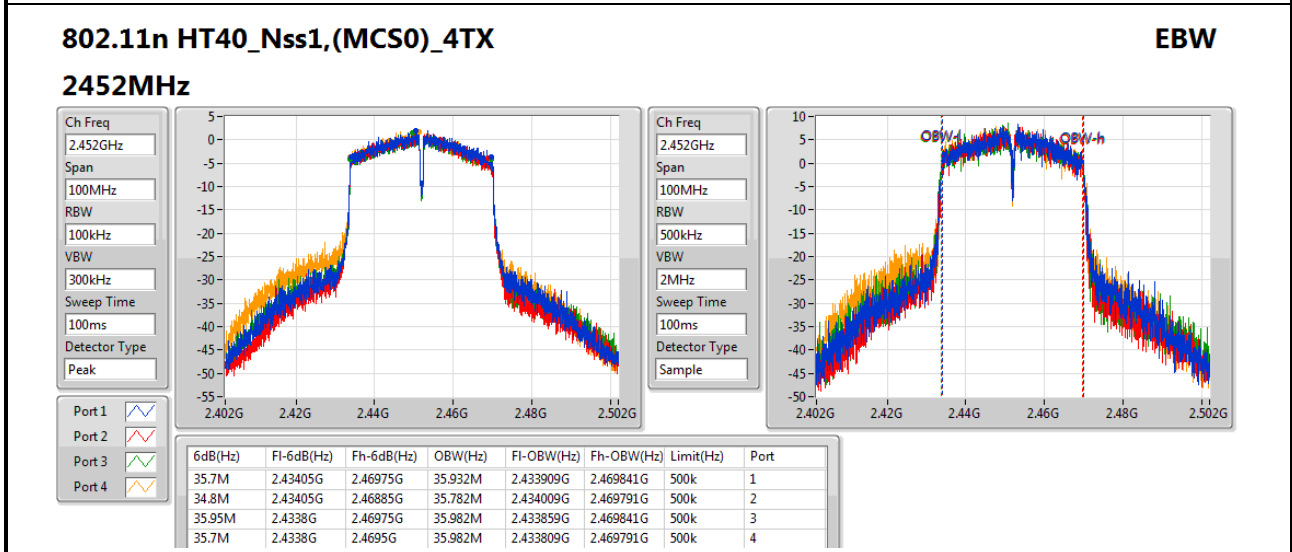
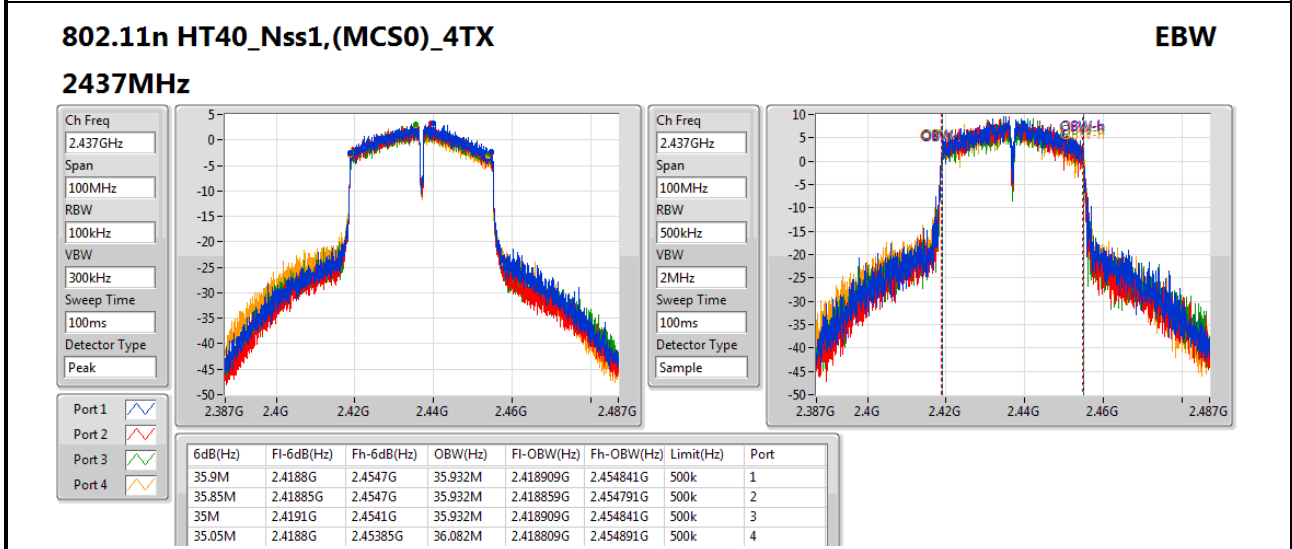
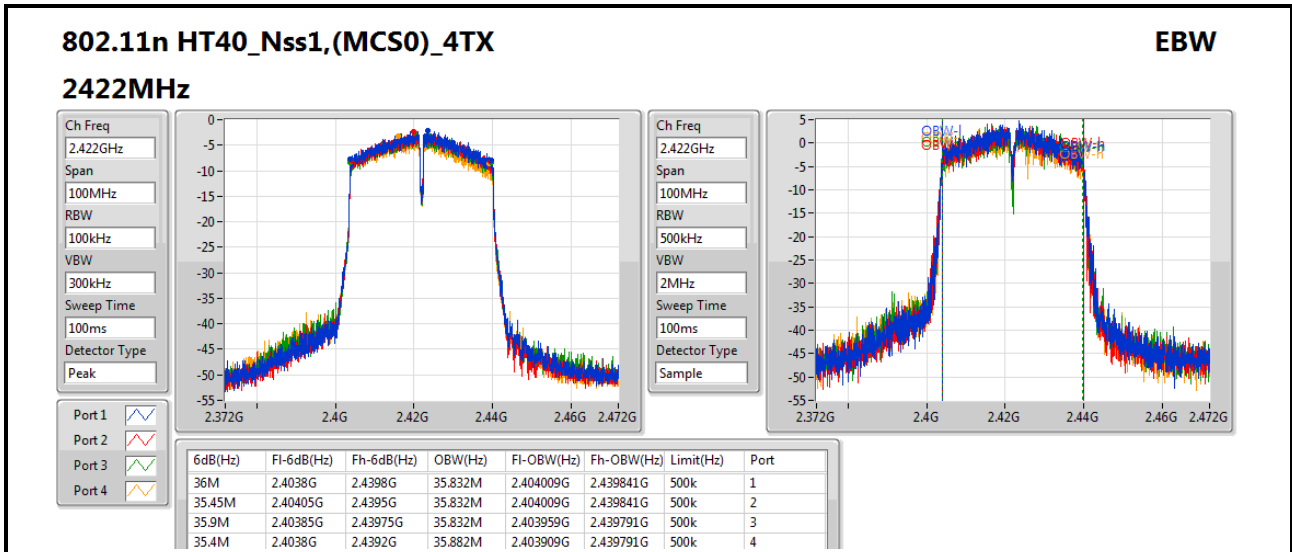
Ch Freq: 2.462GHz
Span: 50MHz
RBW: 200kHz
VBW: 1MHz
Sweep Time: 100ms
Detector Type: Sample


802.11n HT20_Nss1,(MCS0)_4TX
EBW

2462MHz

Ch Freq: 2.462GHz
Span: 50MHz
RBW: 100kHz
VBW: 300kHz
Sweep Time: 100ms
Detector Type: Peak

Ch Freq: 2.462GHz
Span: 50MHz
RBW: 200kHz
VBW: 1MHz
Sweep Time: 100ms
Detector Type: Sample





Summary

Mode	Total Power (dBm)	Total Power (W)
802.11b_Nss1_4TX	-	-
2.4-2.4835GHz	28.32	0.67920
802.11g_Nss1_4TX	-	-
2.4-2.4835GHz	29.36	0.86298
802.11n HT20_Nss1,(MCS0)_4TX	-	-
2.4-2.4835GHz	29.30	0.85114
802.11n HT40_Nss1,(MCS0)_4TX	-	-
2.4-2.4835GHz	24.61	0.28907

Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1_4TX	-	-	-	-
2412MHz	Pass	2.50	26.33	30.00
2437MHz	Pass	2.50	28.32	30.00
2462MHz	Pass	2.50	24.85	30.00
802.11g_Nss1_4TX	-	-	-	-
2412MHz	Pass	2.50	22.15	30.00
2437MHz	Pass	2.50	29.36	30.00
2462MHz	Pass	2.50	21.38	30.00
802.11n HT20_Nss1,(MCS0)_4TX	-	-	-	-
2412MHz	Pass	2.50	21.86	30.00
2437MHz	Pass	2.50	29.30	30.00
2462MHz	Pass	2.50	20.82	30.00
802.11n HT40_Nss1,(MCS0)_4TX	-	-	-	-
2422MHz	Pass	2.50	19.18	30.00
2437MHz	Pass	2.50	24.61	30.00
2452MHz	Pass	2.50	23.07	30.00

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



Summary

Mode	PD (dBm/RBW)
802.11b_Nss1_4TX	-
2.4-2.4835GHz	1.38
802.11g_Nss1_4TX	-
2.4-2.4835GHz	1.52
802.11n HT20_Nss1,(MCS0)_4TX	-
2.4-2.4835GHz	1.58
802.11n HT40_Nss1,(MCS0)_4TX	-
2.4-2.4835GHz	-6.11

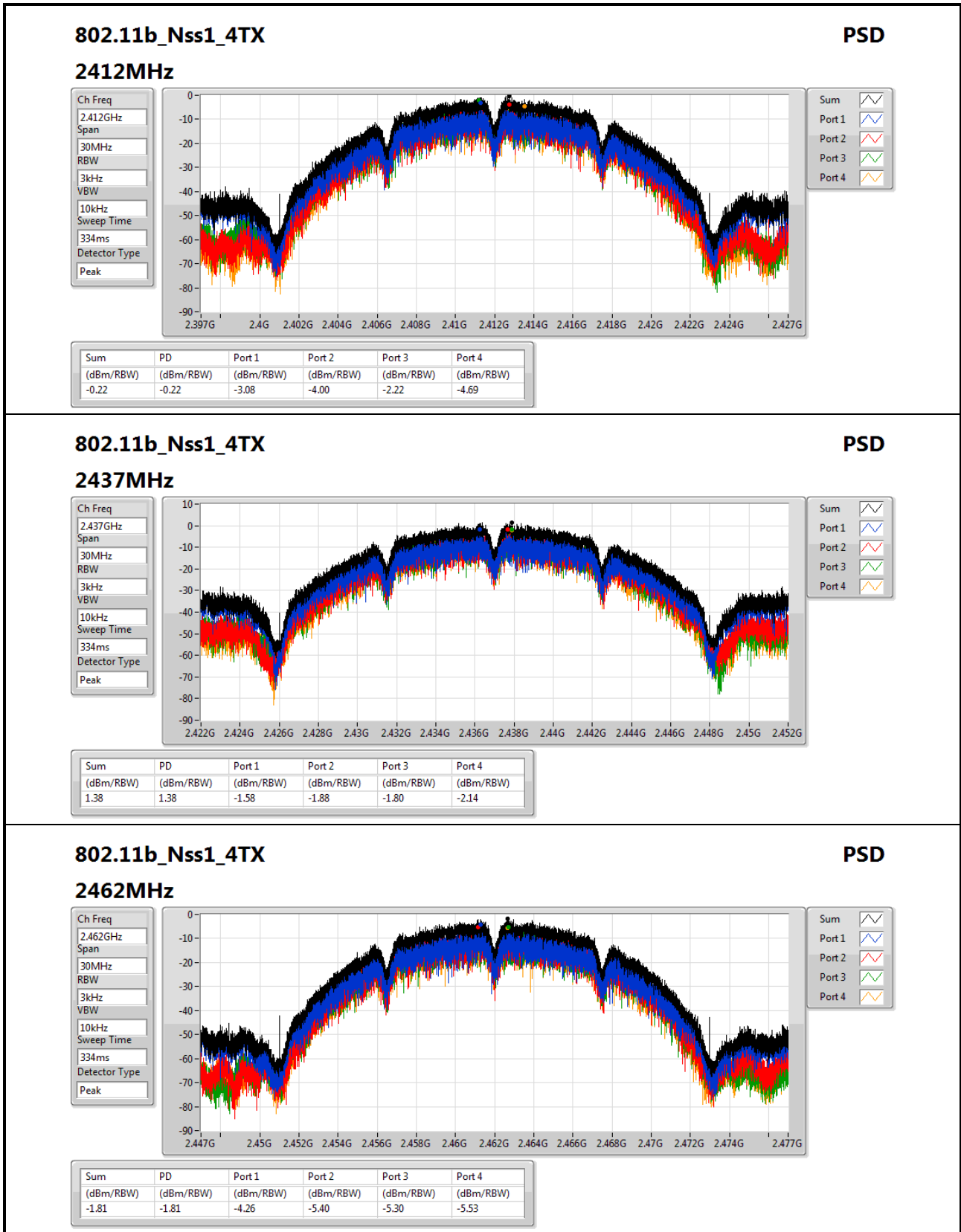
RBW=3kHz.

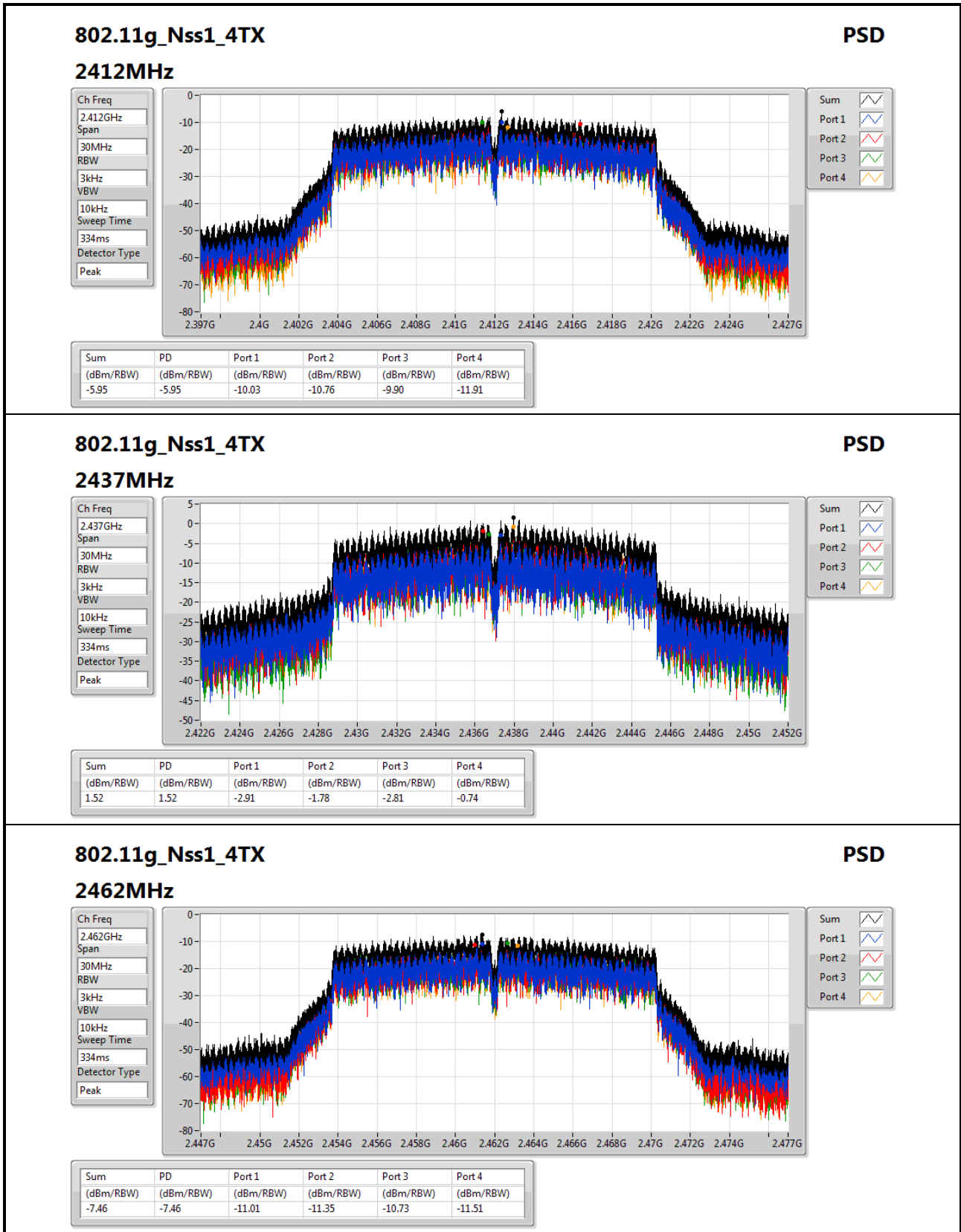
Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)
802.11b_Nss1_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	8.42	-0.22	5.58	-3.08	-4.00	-2.22	-4.69
2437MHz	Pass	8.42	1.38	5.58	-1.58	-1.88	-1.80	-2.14
2462MHz	Pass	8.42	-1.81	5.58	-4.26	-5.40	-5.30	-5.53
802.11g_Nss1_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	8.42	-5.95	5.58	-10.03	-10.76	-9.90	-11.91
2437MHz	Pass	8.42	1.52	5.58	-2.91	-1.78	-2.81	-0.74
2462MHz	Pass	8.42	-7.46	5.58	-11.01	-11.35	-10.73	-11.51
802.11n HT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	8.42	-8.14	5.58	-11.63	-12.22	-10.60	-12.53
2437MHz	Pass	8.42	1.58	5.58	-3.26	-0.64	-2.20	-2.14
2462MHz	Pass	8.42	-8.20	5.58	-12.06	-11.37	-12.16	-11.60
802.11n HT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	8.42	-11.87	5.58	-13.81	-15.79	-14.64	-15.76
2437MHz	Pass	8.42	-6.11	5.58	-10.60	-9.88	-8.99	-11.05
2452MHz	Pass	8.42	-7.82	5.58	-12.00	-12.22	-11.27	-12.17

DG = Directional Gain; RBW=3kHz;

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




802.11g_Nss1_4TX
PSD
2462MHz

Ch Freq
2.462GHz

Span
30MHz

RBW
3kHz

VBW
10kHz

Sweep Time
334ms

Detector Type
Peak

Sum

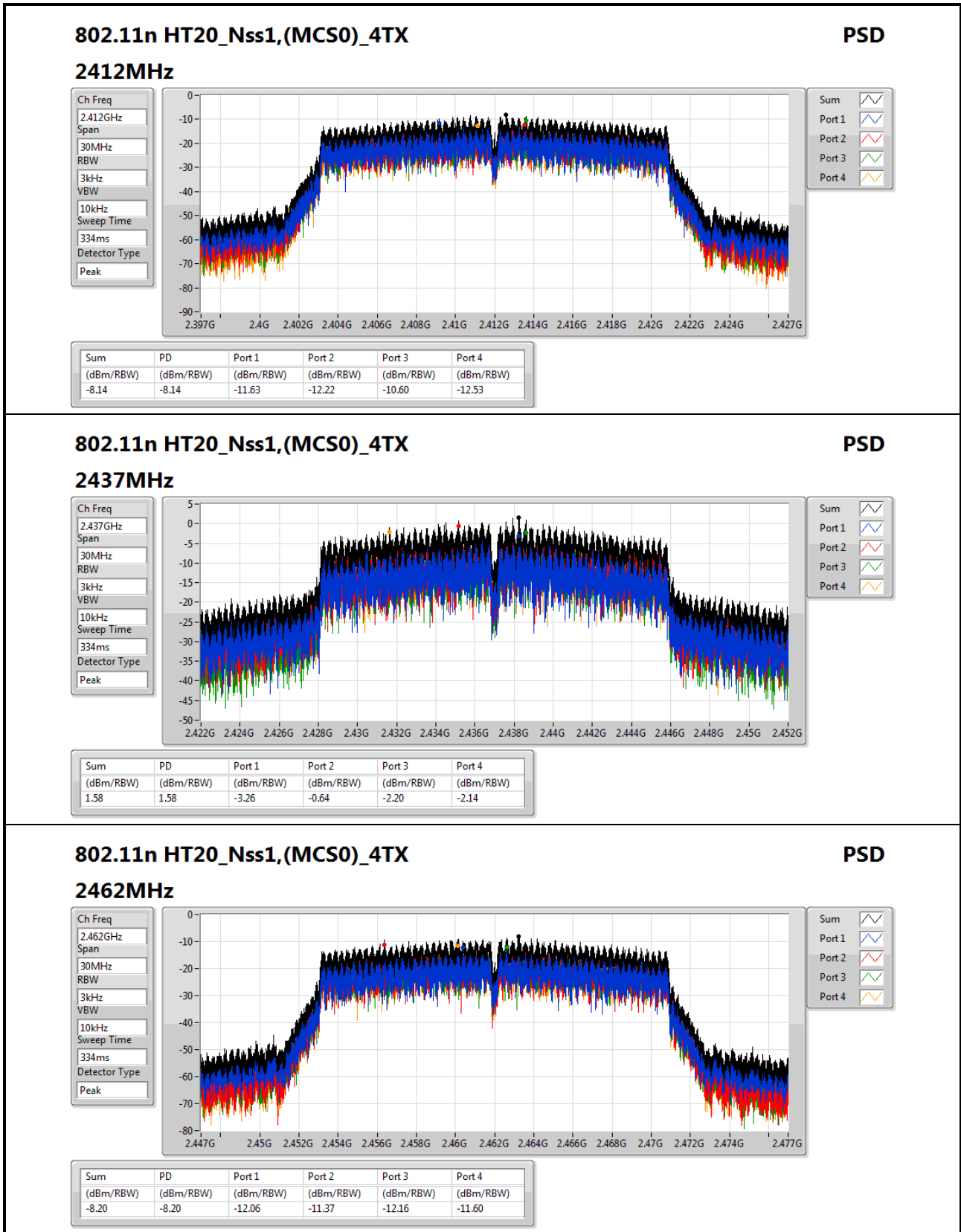
Port 1

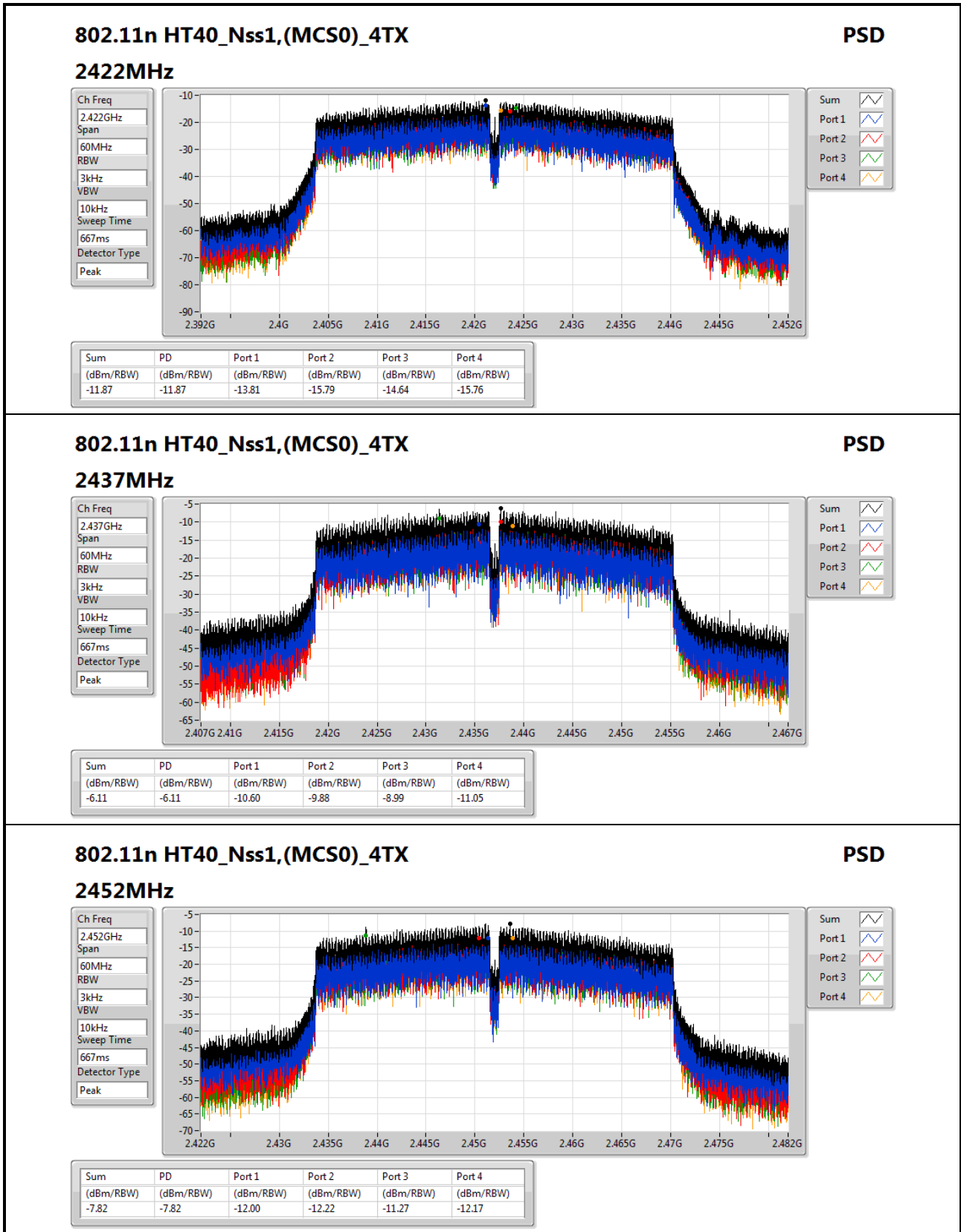
Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.46	-7.46	-11.01	-11.35	-10.73	-11.51







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)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	2.435738G	2.43	-27.57	2.307405G	-55.95	2.39888G	-27.71	2.48366G	-41.59	6.969468G	-53.78	4

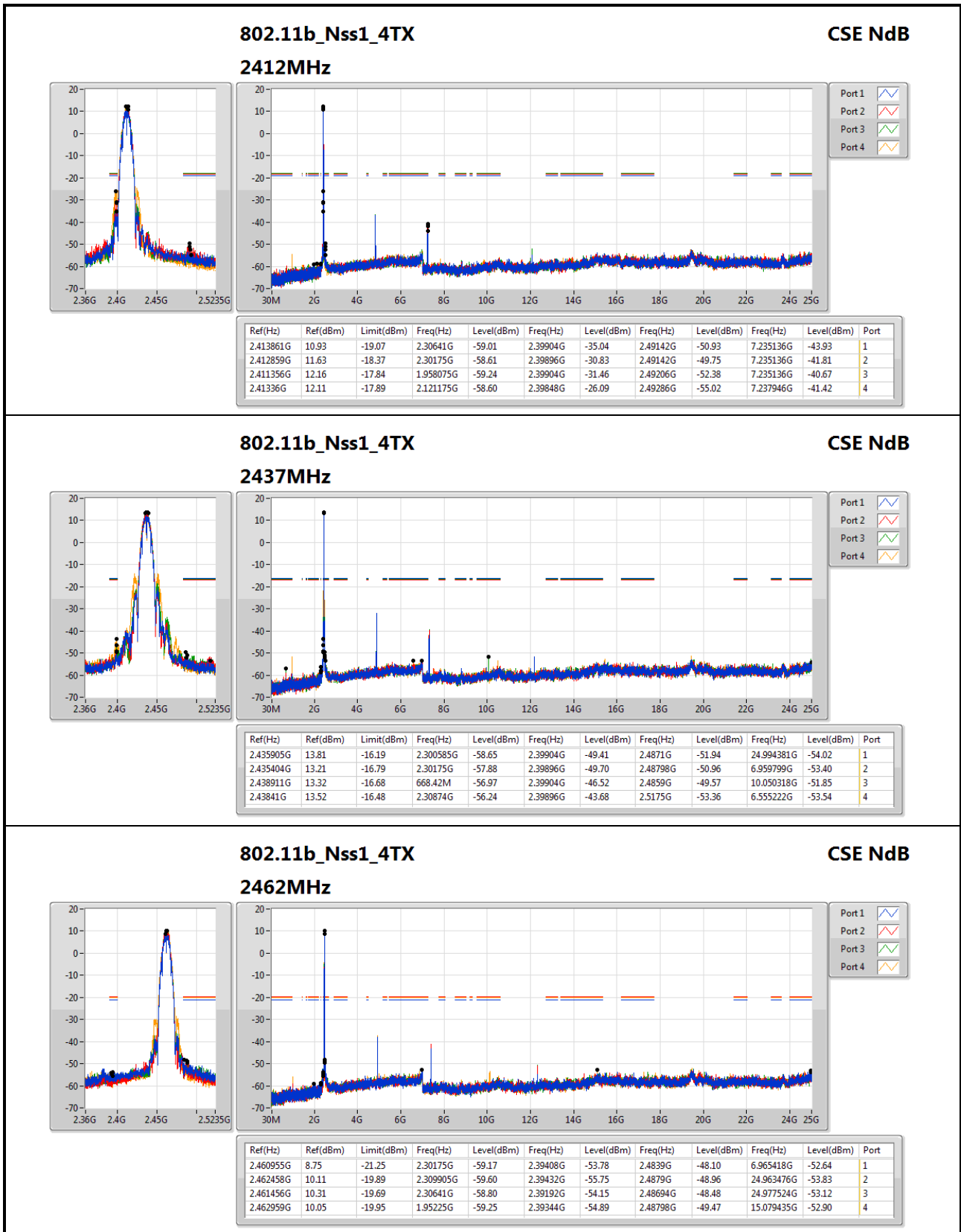
Result

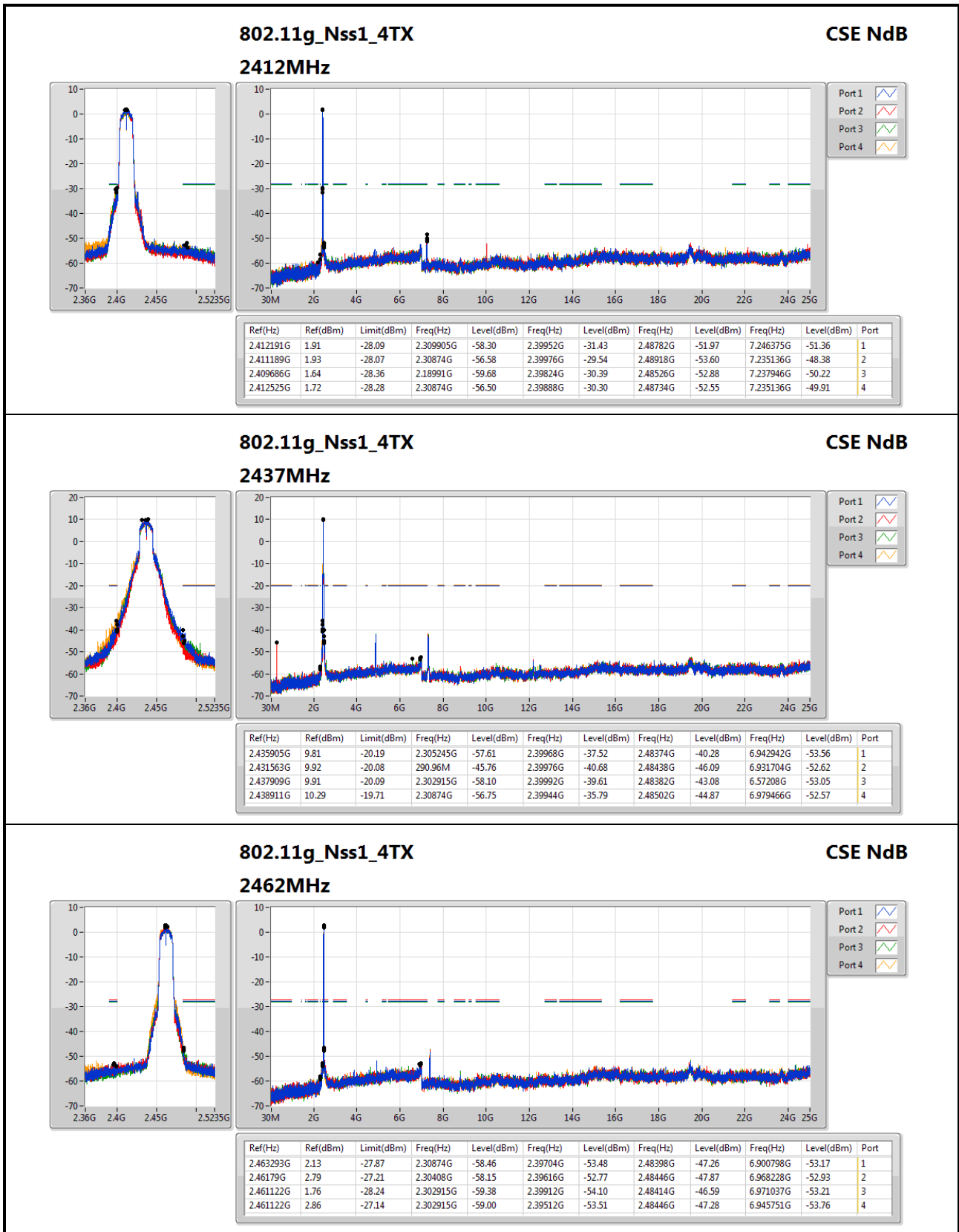
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.413861G	10.93	-19.07	2.30641G	-59.01	2.39904G	-35.04	2.49142G	-50.93	7.235136G	-43.93	1
2412MHz	Pass	2.412859G	11.63	-18.37	2.30175G	-58.61	2.39896G	-30.83	2.49142G	-49.75	7.235136G	-41.81	2
2412MHz	Pass	2.411356G	12.16	-17.84	1.958075G	-59.24	2.39904G	-31.46	2.49206G	-52.38	7.235136G	-40.67	3
2412MHz	Pass	2.41336G	12.11	-17.89	2.121175G	-58.60	2.39848G	-26.09	2.49286G	-55.02	7.237946G	-41.42	4
2437MHz	Pass	2.435905G	13.81	-16.19	2.300585G	-58.65	2.39904G	-49.41	2.4871G	-51.94	24.994381G	-54.02	1
2437MHz	Pass	2.435404G	13.21	-16.79	2.30175G	-57.88	2.39896G	-49.70	2.48798G	-50.96	6.959799G	-53.40	2
2437MHz	Pass	2.438911G	13.32	-16.68	668.42M	-56.97	2.39904G	-46.52	2.4859G	-49.57	10.050318G	-51.85	3
2437MHz	Pass	2.43841G	13.52	-16.48	2.30874G	-56.24	2.39896G	-43.68	2.5175G	-53.36	6.555222G	-53.54	4
2462MHz	Pass	2.460955G	8.75	-21.25	2.30175G	-59.17	2.39408G	-53.78	2.4839G	-48.10	6.965418G	-52.64	1
2462MHz	Pass	2.462458G	10.11	-19.89	2.309905G	-59.60	2.39432G	-55.75	2.4879G	-48.96	24.963476G	-53.83	2
2462MHz	Pass	2.461456G	10.31	-19.69	2.30641G	-58.80	2.39192G	-54.15	2.48694G	-48.48	24.977524G	-53.12	3
2462MHz	Pass	2.462959G	10.05	-19.95	1.95225G	-59.25	2.39344G	-54.89	2.48798G	-49.47	15.079435G	-52.90	4
802.11g_Nss1_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.412191G	1.91	-28.09	2.309905G	-58.30	2.39952G	-31.43	2.48782G	-51.97	7.246375G	-51.36	1
2412MHz	Pass	2.411189G	1.93	-28.07	2.30874G	-56.58	2.39976G	-29.54	2.48918G	-53.60	7.235136G	-48.38	2
2412MHz	Pass	2.409686G	1.64	-28.36	2.18991G	-59.68	2.39824G	-30.39	2.48526G	-52.88	7.237946G	-50.22	3
2412MHz	Pass	2.412525G	1.72	-28.28	2.30874G	-56.50	2.39888G	-30.30	2.48734G	-52.55	7.235136G	-49.91	4
2437MHz	Pass	2.435905G	9.81	-20.19	2.305245G	-57.61	2.39968G	-37.52	2.48374G	-40.28	6.942942G	-53.56	1
2437MHz	Pass	2.431563G	9.92	-20.08	290.96M	-45.76	2.39976G	-40.68	2.48438G	-46.09	6.931704G	-52.62	2
2437MHz	Pass	2.437909G	9.91	-20.09	2.302915G	-58.10	2.39992G	-39.61	2.48382G	-43.08	6.57208G	-53.05	3
2437MHz	Pass	2.438911G	10.29	-19.71	2.30874G	-56.75	2.39944G	-35.79	2.48502G	-44.87	6.979466G	-52.57	4
2462MHz	Pass	2.463293G	2.13	-27.87	2.30874G	-58.46	2.39704G	-53.48	2.48398G	-47.26	6.900798G	-53.17	1
2462MHz	Pass	2.46179G	2.79	-27.21	2.30408G	-58.15	2.39616G	-52.77	2.48446G	-47.87	6.968228G	-52.93	2
2462MHz	Pass	2.461122G	1.76	-28.24	2.302915G	-59.38	2.39912G	-54.10	2.48414G	-46.59	6.971037G	-53.21	3
2462MHz	Pass	2.461122G	2.86	-27.14	2.302915G	-59.00	2.39512G	-53.51	2.48446G	-47.28	6.945751G	-53.76	4
802.11n HT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.410688G	1.76	-28.24	2.30175G	-57.51	2.39984G	-28.90	2.4963G	-51.81	7.232327G	-51.01	1
2412MHz	Pass	2.410354G	1.43	-28.57	2.309905G	-57.19	2.39952G	-33.49	2.48814G	-53.81	7.243565G	-50.32	2
2412MHz	Pass	2.412859G	1.04	-28.96	1.83109G	-58.65	2.39944G	-32.46	2.50102G	-52.73	7.243565G	-50.17	3
2412MHz	Pass	2.410354G	3.16	-26.84	2.30874G	-57.31	2.39944G	-27.79	2.49134G	-53.69	7.237946G	-48.99	4
2437MHz	Pass	2.438243G	10.31	-19.69	1.74022G	-58.93	2.39832G	-34.98	2.48358G	-40.81	24.887618G	-53.45	1
2437MHz	Pass	2.436239G	9.61	-20.39	2.305245G	-57.50	2.39992G	-40.83	2.49974G	-43.55	6.940132G	-53.54	2
2437MHz	Pass	2.436239G	9.92	-20.08	336.395M	-54.72	2.39952G	-36.51	2.4847G	-41.41	6.934513G	-53.53	3
2437MHz	Pass	2.437742G	9.83	-20.17	2.30641G	-56.75	2.39896G	-31.07	2.48622G	-43.66	10.055937G	-51.81	4
2462MHz	Pass	2.462625G	1.45	-28.55	1.890505G	-60.05	2.394G	-53.23	2.48406G	-47.03	6.962609G	-52.77	1
2462MHz	Pass	2.46346G	1.84	-28.16	237.37M	-48.45	2.39192G	-54.84	2.48358G	-45.58	6.948561G	-53.95	2
2462MHz	Pass	2.462458G	1.37	-28.63	2.16428G	-59.47	2.39632G	-53.63	2.48478G	-45.23	16.812935G	-53.61	3
2462MHz	Pass	2.460955G	1.97	-28.03	1.981375G	-59.33	2.39768G	-52.66	2.4839G	-44.57	16.742696G	-53.82	4
802.11n HT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.424382G	-2.05	-32.05	2.30855G	-58.05	2.39776G	-38.77	2.48654G	-51.80	6.949836G	-53.83	1
2422MHz	Pass	2.423213G	-2.74	-32.74	2.302825G	-57.24	2.39952G	-37.84	2.49966G	-52.92	24.977564G	-52.19	2

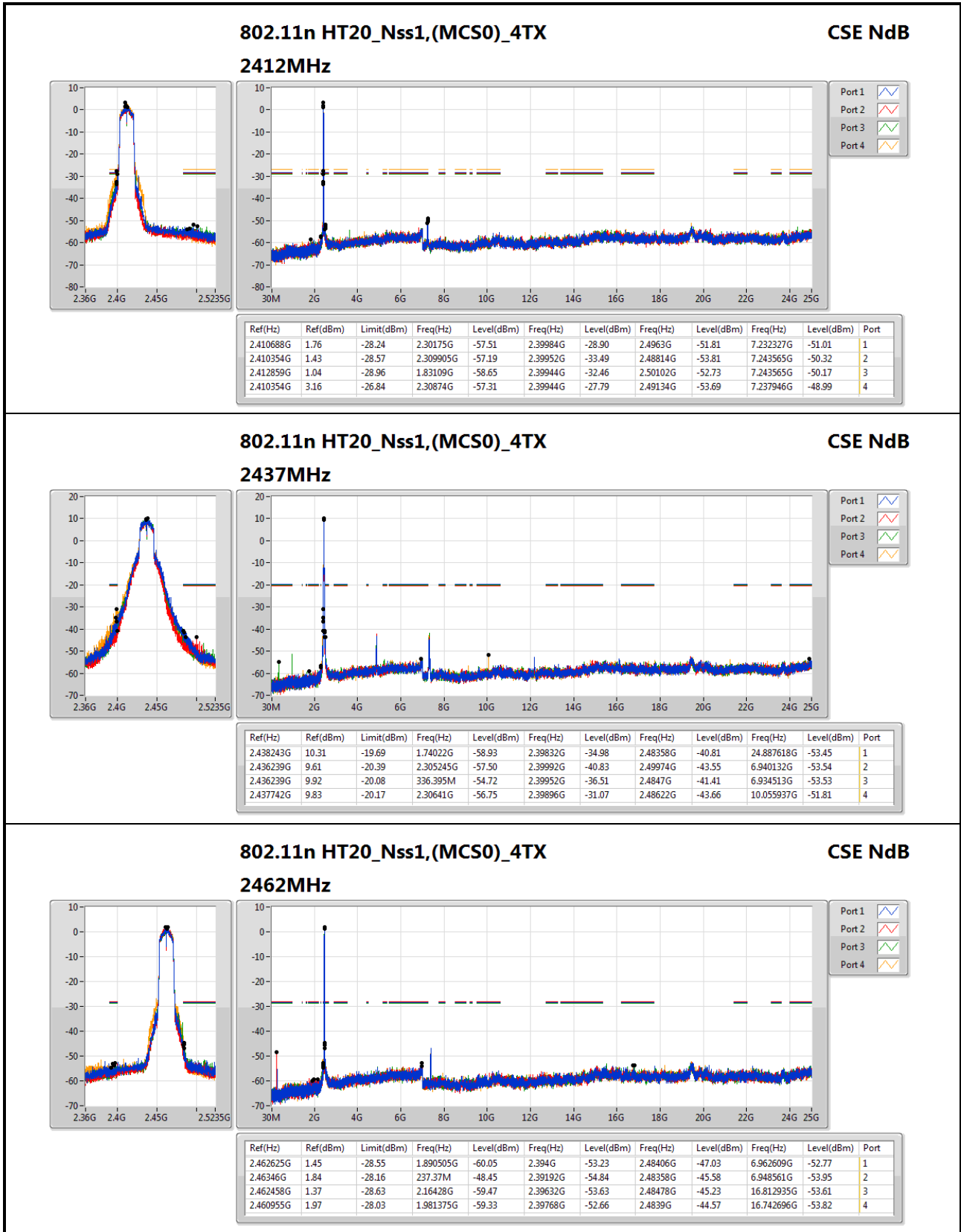


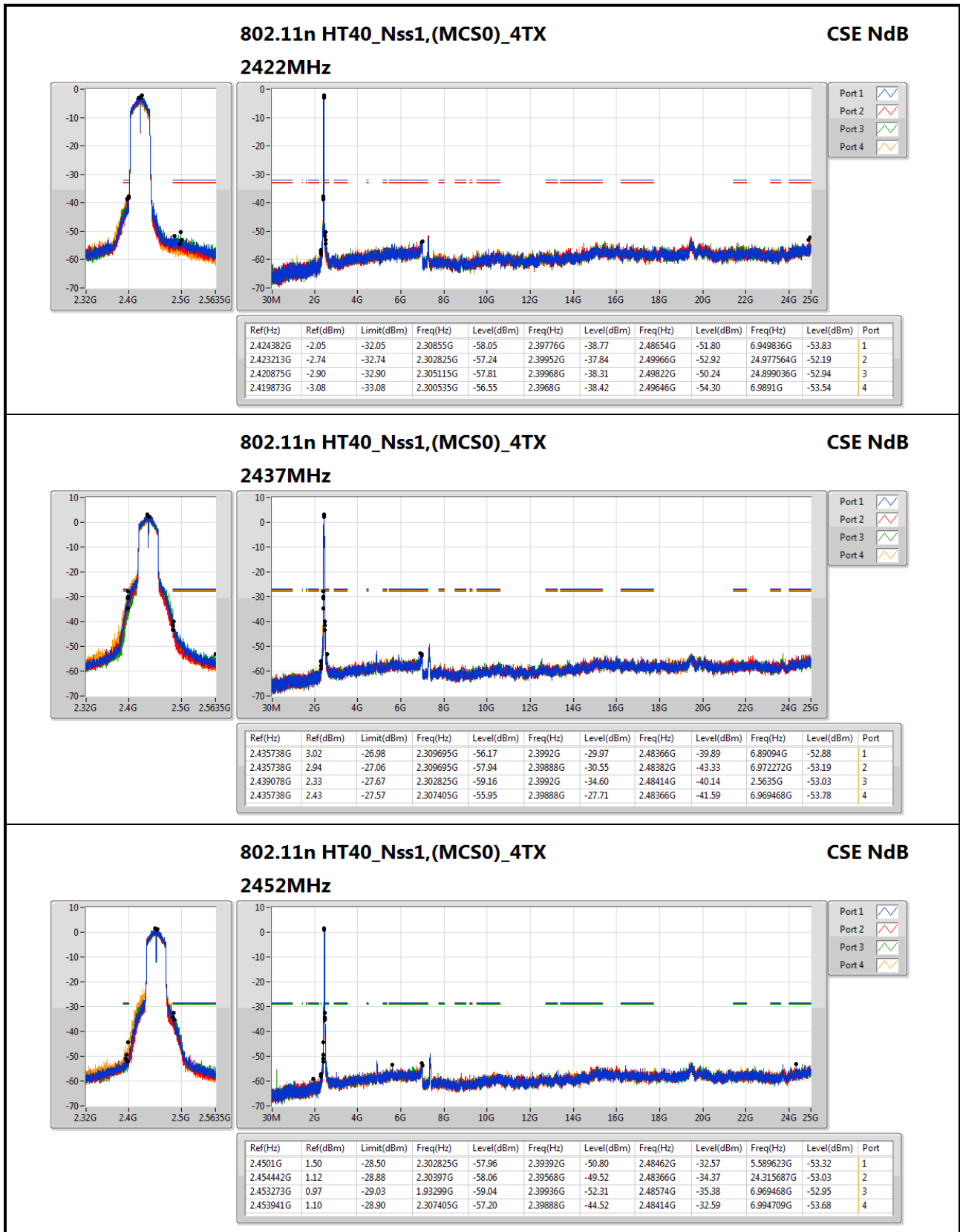
CSE 30dB Down Result

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
2422MHz	Pass	2.420875G	-2.90	-32.90	2.305115G	-57.81	2.39968G	-38.31	2.49822G	-50.24	24.899036G	-52.94	3
2422MHz	Pass	2.419873G	-3.08	-33.08	2.300535G	-56.55	2.3968G	-38.42	2.49646G	-54.30	6.9891G	-53.54	4
2437MHz	Pass	2.435738G	3.02	-26.98	2.309695G	-56.17	2.3992G	-29.97	2.48366G	-39.89	6.89094G	-52.88	1
2437MHz	Pass	2.435738G	2.94	-27.06	2.309695G	-57.94	2.39888G	-30.55	2.48382G	-43.33	6.972272G	-53.19	2
2437MHz	Pass	2.439078G	2.33	-27.67	2.302825G	-59.16	2.3992G	-34.60	2.48414G	-40.14	2.5635G	-53.03	3
2437MHz	Pass	2.435738G	2.43	-27.57	2.307405G	-55.95	2.39888G	-27.71	2.48366G	-41.59	6.969468G	-53.78	4
2452MHz	Pass	2.4501G	1.50	-28.50	2.302825G	-57.96	2.39392G	-50.80	2.48462G	-32.57	5.589623G	-53.32	1
2452MHz	Pass	2.454442G	1.12	-28.88	2.30397G	-58.06	2.39568G	-49.52	2.48366G	-34.37	24.315687G	-53.03	2
2452MHz	Pass	2.453273G	0.97	-29.03	1.93299G	-59.04	2.39936G	-52.31	2.48574G	-35.38	6.969468G	-52.95	3
2452MHz	Pass	2.453941G	1.10	-28.90	2.307405G	-57.20	2.39888G	-44.52	2.48414G	-32.59	6.994709G	-53.68	4











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)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	PK	769.14M	39.89	46.00	-6.11	1.62	3	H	NaN	NaN	-

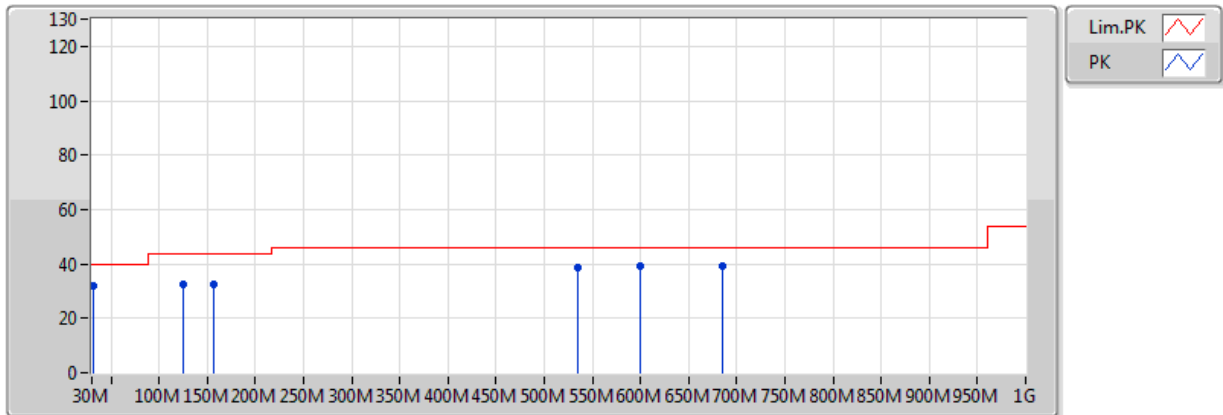


Result

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)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	30M	33.11	40.00	-6.89	-4.59	3	H	NaN	NaN	-
2437MHz	Pass	PK	119.24M	27.76	43.50	-15.74	-8.26	3	H	NaN	NaN	-
2437MHz	Pass	PK	150.28M	28.74	43.50	-14.76	-9.66	3	H	NaN	NaN	-
2437MHz	Pass	PK	429.64M	35.55	46.00	-10.45	-2.12	3	H	NaN	NaN	-
2437MHz	Pass	PK	676.02M	39.60	46.00	-6.40	0.41	3	H	NaN	NaN	-
2437MHz	Pass	PK	769.14M	39.89	46.00	-6.11	1.62	3	H	NaN	NaN	-
2437MHz	Pass	PK	31.94M	31.74	40.00	-8.26	-5.40	3	V	NaN	NaN	-
2437MHz	Pass	PK	125.06M	32.27	43.50	-11.23	-8.33	3	V	NaN	NaN	-
2437MHz	Pass	PK	156.1M	32.77	43.50	-10.73	-9.83	3	V	NaN	NaN	-
2437MHz	Pass	PK	534.4M	38.41	46.00	-7.59	-0.44	3	V	NaN	NaN	-
2437MHz	Pass	PK	600.36M	39.41	46.00	-6.59	-0.22	3	V	NaN	NaN	-
2437MHz	Pass	PK	685.72M	39.36	46.00	-6.64	0.39	3	V	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_4TX

2437MHz_Adapter

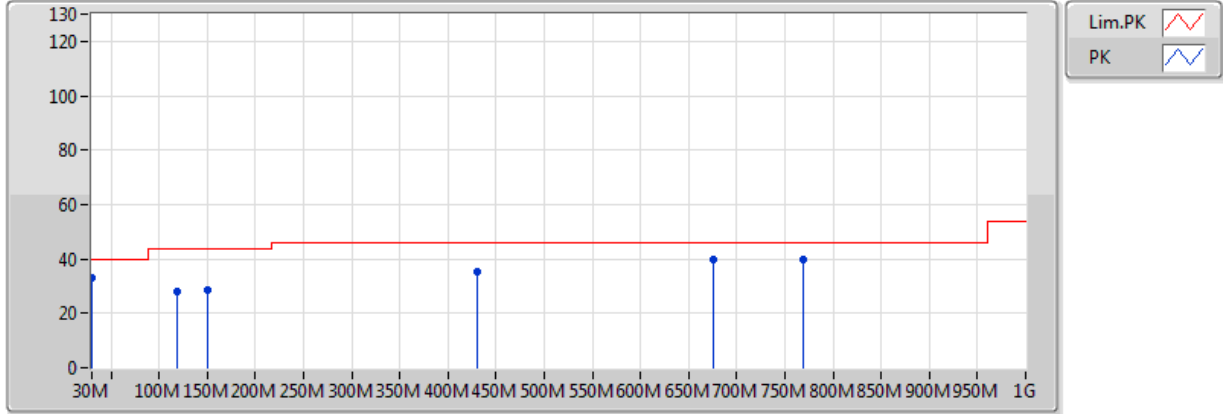


EUT=Z, ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	31.94M	31.74	40.00	-8.26	-5.40	3	V	NaN	NaN	-
PK	125.06M	32.27	43.50	-11.23	-8.33	3	V	NaN	NaN	-
PK	156.1M	32.77	43.50	-10.73	-9.83	3	V	NaN	NaN	-
PK	534.4M	38.41	46.00	-7.59	-0.44	3	V	NaN	NaN	-
PK	600.36M	39.41	46.00	-6.59	-0.22	3	V	NaN	NaN	-
PK	685.72M	39.36	46.00	-6.64	0.39	3	V	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_4TX

2437MHz_Adapter



EUT=Z, ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	30M	33.11	40.00	-6.89	-4.59	3	H	NaN	NaN	-
PK	119.24M	27.76	43.50	-15.74	-8.26	3	H	NaN	NaN	-
PK	150.28M	28.74	43.50	-14.76	-9.66	3	H	NaN	NaN	-
PK	429.64M	35.55	46.00	-10.45	-2.12	3	H	NaN	NaN	-
PK	676.02M	39.60	46.00	-6.40	0.41	3	H	NaN	NaN	-
PK	769.14M	39.89	46.00	-6.11	1.62	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
802.11b_Nss1_4TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	AV	2.4878G	53.87	54.00	-0.13	31.65	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_4TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.38616G	53.82	54.00	-0.18	31.32	3	V	NaN	NaN	-
2412MHz	Pass	AV	2.412816G	109.31	Inf	-Inf	31.41	3	V	NaN	NaN	-
2412MHz	Pass	PK	2.384592G	63.63	74.00	-10.37	31.32	3	V	NaN	NaN	-
2412MHz	Pass	PK	2.41304G	111.70	Inf	-Inf	31.41	3	V	NaN	NaN	-
2412MHz	Pass	AV	4.824G	43.78	54.00	-10.22	7.49	3	H	NaN	NaN	-
2412MHz	Pass	PK	4.824G	50.27	74.00	-23.73	7.49	3	H	NaN	NaN	-
2412MHz	Pass	PK	7.236G	52.90	Inf	-Inf	12.45	3	H	NaN	NaN	-
2412MHz	Pass	PK	9.648G	58.47	Inf	-Inf	16.30	3	H	NaN	NaN	-
2412MHz	Pass	AV	4.824G	48.56	54.00	-5.44	7.49	3	V	NaN	NaN	-
2412MHz	Pass	PK	4.824G	52.90	74.00	-21.10	7.49	3	V	NaN	NaN	-
2412MHz	Pass	PK	7.236G	53.76	Inf	-Inf	12.45	3	V	NaN	NaN	-
2412MHz	Pass	PK	9.648G	59.86	Inf	-Inf	16.30	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.3556G	49.97	54.00	-4.03	31.22	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.43616G	118.62	Inf	-Inf	31.49	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.48594G	48.04	54.00	-5.96	31.65	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.36662G	61.89	74.00	-12.11	31.26	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.43616G	121.27	Inf	-Inf	31.49	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.48442G	62.88	74.00	-11.12	31.64	3	V	NaN	NaN	-
2437MHz	Pass	AV	4.874G	47.60	54.00	-6.40	7.58	3	H	NaN	NaN	-
2437MHz	Pass	AV	7.311G	41.01	54.00	-12.99	12.50	3	H	NaN	NaN	-
2437MHz	Pass	PK	4.874G	52.38	74.00	-21.62	7.58	3	H	NaN	NaN	-
2437MHz	Pass	PK	7.311G	53.87	74.00	-20.13	12.50	3	H	NaN	NaN	-
2437MHz	Pass	PK	9.748G	59.01	Inf	-Inf	16.39	3	H	NaN	NaN	-
2437MHz	Pass	AV	4.874G	52.92	54.00	-1.08	7.58	3	V	NaN	NaN	-
2437MHz	Pass	AV	7.311G	43.32	54.00	-10.68	12.50	3	V	NaN	NaN	-
2437MHz	Pass	PK	4.874G	55.92	74.00	-18.08	7.58	3	V	NaN	NaN	-
2437MHz	Pass	PK	7.311G	54.62	74.00	-19.38	12.50	3	V	NaN	NaN	-
2437MHz	Pass	PK	9.748G	60.98	Inf	-Inf	16.39	3	V	NaN	NaN	-
2462MHz	Pass	AV	2.4646G	111.26	Inf	-Inf	31.58	3	V	NaN	NaN	-
2462MHz	Pass	AV	2.4878G	53.87	54.00	-0.13	31.65	3	V	NaN	NaN	-
2462MHz	Pass	PK	2.4646G	114.33	Inf	-Inf	31.58	3	V	NaN	NaN	-
2462MHz	Pass	PK	2.487G	63.93	74.00	-10.07	31.65	3	V	NaN	NaN	-
2462MHz	Pass	AV	4.924G	39.96	54.00	-14.04	7.66	3	H	NaN	NaN	-
2462MHz	Pass	AV	7.386G	39.01	54.00	-14.99	12.54	3	H	NaN	NaN	-
2462MHz	Pass	PK	4.924G	49.89	74.00	-24.11	7.66	3	H	NaN	NaN	-
2462MHz	Pass	PK	7.386G	52.95	74.00	-21.05	12.54	3	H	NaN	NaN	-
2462MHz	Pass	PK	9.848G	58.16	Inf	-Inf	16.49	3	H	NaN	NaN	-
2462MHz	Pass	AV	4.924G	48.25	54.00	-5.75	7.66	3	V	NaN	NaN	-
2462MHz	Pass	AV	7.386G	40.41	54.00	-13.59	12.54	3	V	NaN	NaN	-
2462MHz	Pass	PK	4.924G	53.62	74.00	-20.38	7.66	3	V	NaN	NaN	-
2462MHz	Pass	PK	7.386G	53.98	74.00	-20.02	12.54	3	V	NaN	NaN	-
2462MHz	Pass	PK	9.848G	59.23	Inf	-Inf	16.49	3	V	NaN	NaN	-
802.11g_Nss1_4TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389998G	53.35	54.00	-0.65	31.34	3	V	NaN	NaN	-
2412MHz	Pass	AV	2.411024G	107.38	Inf	-Inf	31.41	3	V	NaN	NaN	-
2412MHz	Pass	PK	2.389744G	72.62	74.00	-1.38	31.34	3	V	NaN	NaN	-
2412MHz	Pass	PK	2.410352G	118.02	Inf	-Inf	31.40	3	V	NaN	NaN	-



RSE TX above 1GHz Result

Appendix F.2

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	4.824G	32.85	54.00	-21.15	7.49	3	H	NaN	NaN	-
2412MHz	Pass	PK	4.824G	47.31	74.00	-26.69	7.49	3	H	NaN	NaN	-
2412MHz	Pass	PK	7.236G	52.90	Inf	-Inf	12.45	3	H	NaN	NaN	-
2412MHz	Pass	PK	9.648G	56.83	Inf	-Inf	16.30	3	H	NaN	NaN	-
2412MHz	Pass	AV	4.824G	33.49	54.00	-20.51	7.49	3	V	NaN	NaN	-
2412MHz	Pass	PK	4.824G	47.83	74.00	-26.17	7.49	3	V	NaN	NaN	-
2412MHz	Pass	PK	7.236G	52.88	Inf	-Inf	12.45	3	V	NaN	NaN	-
2412MHz	Pass	PK	9.648G	57.35	Inf	-Inf	16.30	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.389998G	53.26	54.00	-0.74	31.34	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.43806G	108.15	Inf	-Inf	31.49	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.48366G	49.71	54.00	-4.29	31.64	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.389998G	71.07	74.00	-2.93	31.34	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.43996G	118.33	Inf	-Inf	31.50	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.48518G	63.73	74.00	-10.27	31.64	3	V	NaN	NaN	-
2437MHz	Pass	AV	4.874G	36.99	54.00	-17.01	7.58	3	H	NaN	NaN	-
2437MHz	Pass	AV	7.311G	39.00	54.00	-15.00	12.50	3	H	NaN	NaN	-
2437MHz	Pass	PK	4.874G	52.54	74.00	-21.46	7.58	3	H	NaN	NaN	-
2437MHz	Pass	PK	7.311G	53.37	74.00	-20.63	12.50	3	H	NaN	NaN	-
2437MHz	Pass	PK	9.748G	57.72	Inf	-Inf	16.39	3	H	NaN	NaN	-
2437MHz	Pass	AV	4.874G	40.93	54.00	-13.07	7.58	3	V	NaN	NaN	-
2437MHz	Pass	AV	7.311G	40.04	54.00	-13.96	12.50	3	V	NaN	NaN	-
2437MHz	Pass	PK	4.874G	56.12	74.00	-17.88	7.58	3	V	NaN	NaN	-
2437MHz	Pass	PK	7.311G	54.98	74.00	-19.02	12.50	3	V	NaN	NaN	-
2437MHz	Pass	PK	9.748G	59.14	Inf	-Inf	16.39	3	V	NaN	NaN	-
2462MHz	Pass	AV	2.467G	100.61	Inf	-Inf	31.58	3	V	NaN	NaN	-
2462MHz	Pass	AV	2.483502G	53.06	54.00	-0.94	31.64	3	V	NaN	NaN	-
2462MHz	Pass	PK	2.4668G	111.54	Inf	-Inf	31.58	3	V	NaN	NaN	-
2462MHz	Pass	PK	2.4836G	73.02	74.00	-0.98	31.64	3	V	NaN	NaN	-
2462MHz	Pass	AV	4.924G	34.04	54.00	-19.96	7.66	3	H	NaN	NaN	-
2462MHz	Pass	AV	7.386G	38.85	54.00	-15.15	12.54	3	H	NaN	NaN	-
2462MHz	Pass	PK	4.924G	48.31	74.00	-25.69	7.66	3	H	NaN	NaN	-
2462MHz	Pass	PK	7.386G	53.45	74.00	-20.55	12.54	3	H	NaN	NaN	-
2462MHz	Pass	PK	9.848G	57.97	Inf	-Inf	16.49	3	H	NaN	NaN	-
2462MHz	Pass	AV	4.924G	34.84	54.00	-19.16	7.66	3	V	NaN	NaN	-
2462MHz	Pass	AV	7.386G	38.95	54.00	-15.05	12.54	3	V	NaN	NaN	-
2462MHz	Pass	PK	4.924G	48.50	74.00	-25.50	7.66	3	V	NaN	NaN	-
2462MHz	Pass	PK	7.386G	53.71	74.00	-20.29	12.54	3	V	NaN	NaN	-
2462MHz	Pass	PK	9.848G	59.75	Inf	-Inf	16.49	3	V	NaN	NaN	-
802.11n HT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389998G	53.57	54.00	-0.43	31.34	3	V	NaN	NaN	-
2412MHz	Pass	AV	2.410576G	105.14	Inf	-Inf	31.40	3	V	NaN	NaN	-
2412MHz	Pass	PK	2.388624G	71.24	74.00	-2.76	31.33	3	V	NaN	NaN	-
2412MHz	Pass	PK	2.411024G	115.93	Inf	-Inf	31.41	3	V	NaN	NaN	-
2412MHz	Pass	AV	4.824G	32.99	54.00	-21.01	7.49	3	H	NaN	NaN	-
2412MHz	Pass	PK	4.824G	47.57	74.00	-26.43	7.49	3	H	NaN	NaN	-
2412MHz	Pass	PK	7.236G	53.05	Inf	-Inf	12.45	3	H	NaN	NaN	-
2412MHz	Pass	PK	9.648G	56.64	Inf	-Inf	16.30	3	H	NaN	NaN	-
2412MHz	Pass	AV	4.824G	33.51	54.00	-20.49	7.49	3	V	NaN	NaN	-
2412MHz	Pass	PK	4.824G	48.31	74.00	-25.69	7.49	3	V	NaN	NaN	-



RSE TX above 1GHz Result

Appendix F.2

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	53.95	Inf	-Inf	12.45	3	V	NaN	NaN	-
2412MHz	Pass	PK	9.648G	58.30	Inf	-Inf	16.30	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.389998G	51.37	54.00	-2.63	31.34	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.43806G	113.72	Inf	-Inf	31.49	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.48556G	50.13	54.00	-3.87	31.64	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.38866G	73.23	74.00	-0.77	31.33	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.4392G	124.25	Inf	-Inf	31.50	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.48784G	69.71	74.00	-4.29	31.65	3	V	NaN	NaN	-
2437MHz	Pass	AV	4.874G	33.20	54.00	-20.80	7.58	3	H	NaN	NaN	-
2437MHz	Pass	AV	7.311G	38.75	54.00	-15.25	12.50	3	H	NaN	NaN	-
2437MHz	Pass	PK	4.874G	48.13	74.00	-25.87	7.58	3	H	NaN	NaN	-
2437MHz	Pass	PK	7.311G	53.16	74.00	-20.84	12.50	3	H	NaN	NaN	-
2437MHz	Pass	PK	9.748G	57.89	Inf	-Inf	16.39	3	H	NaN	NaN	-
2437MHz	Pass	AV	4.874G	36.28	54.00	-17.72	7.58	3	V	NaN	NaN	-
2437MHz	Pass	AV	7.311G	38.80	54.00	-15.20	12.50	3	V	NaN	NaN	-
2437MHz	Pass	PK	4.874G	50.58	74.00	-23.42	7.58	3	V	NaN	NaN	-
2437MHz	Pass	PK	7.311G	53.38	74.00	-20.62	12.50	3	V	NaN	NaN	-
2437MHz	Pass	PK	9.748G	58.99	Inf	-Inf	16.39	3	V	NaN	NaN	-
2462MHz	Pass	AV	2.4662G	97.46	Inf	-Inf	31.58	3	V	NaN	NaN	-
2462MHz	Pass	AV	2.4836G	53.00	54.00	-1.00	31.64	3	V	NaN	NaN	-
2462MHz	Pass	PK	2.4652G	108.41	Inf	-Inf	31.58	3	V	NaN	NaN	-
2462MHz	Pass	PK	2.483502G	73.45	74.00	-0.55	31.64	3	V	NaN	NaN	-
2462MHz	Pass	AV	4.924G	33.96	54.00	-20.04	7.66	3	H	NaN	NaN	-
2462MHz	Pass	AV	7.386G	38.72	54.00	-15.28	12.54	3	H	NaN	NaN	-
2462MHz	Pass	PK	4.924G	48.66	74.00	-25.34	7.66	3	H	NaN	NaN	-
2462MHz	Pass	PK	7.386G	53.43	74.00	-20.57	12.54	3	H	NaN	NaN	-
2462MHz	Pass	PK	9.848G	58.34	Inf	-Inf	16.49	3	H	NaN	NaN	-
2462MHz	Pass	AV	4.924G	34.46	54.00	-19.54	7.66	3	V	NaN	NaN	-
2462MHz	Pass	AV	7.386G	39.15	54.00	-14.85	12.54	3	V	NaN	NaN	-
2462MHz	Pass	PK	4.924G	48.67	74.00	-25.33	7.66	3	V	NaN	NaN	-
2462MHz	Pass	PK	7.386G	53.81	74.00	-20.19	12.54	3	V	NaN	NaN	-
2462MHz	Pass	PK	9.848G	58.65	Inf	-Inf	16.49	3	V	NaN	NaN	-
802.11n HT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.389998G	53.21	54.00	-0.79	31.34	3	V	NaN	NaN	-
2422MHz	Pass	AV	2.405568G	91.64	Inf	-Inf	31.39	3	V	NaN	NaN	-
2422MHz	Pass	PK	2.389998G	69.07	74.00	-4.93	31.34	3	V	NaN	NaN	-
2422MHz	Pass	PK	2.40768G	101.44	Inf	-Inf	31.39	3	V	NaN	NaN	-
2422MHz	Pass	AV	4.844G	32.61	54.00	-21.39	7.52	3	H	NaN	NaN	-
2422MHz	Pass	AV	7.266G	38.47	54.00	-15.53	12.47	3	H	NaN	NaN	-
2422MHz	Pass	PK	4.844G	44.44	74.00	-29.56	7.52	3	H	NaN	NaN	-
2422MHz	Pass	PK	7.266G	53.17	74.00	-20.83	12.47	3	H	NaN	NaN	-
2422MHz	Pass	PK	9.688G	57.25	Inf	-Inf	16.34	3	H	NaN	NaN	-
2422MHz	Pass	AV	4.844G	33.33	54.00	-20.67	7.52	3	V	NaN	NaN	-
2422MHz	Pass	AV	7.266G	38.66	54.00	-15.34	12.47	3	V	NaN	NaN	-
2422MHz	Pass	PK	4.844G	47.58	74.00	-26.42	7.52	3	V	NaN	NaN	-
2422MHz	Pass	PK	7.266G	53.17	74.00	-20.83	12.47	3	V	NaN	NaN	-
2422MHz	Pass	PK	9.688G	57.84	Inf	-Inf	16.34	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.389998G	53.15	54.00	-0.85	31.34	3	V	NaN	NaN	-
2437MHz	Pass	AV	2.41982G	93.62	Inf	-Inf	31.43	3	V	NaN	NaN	-



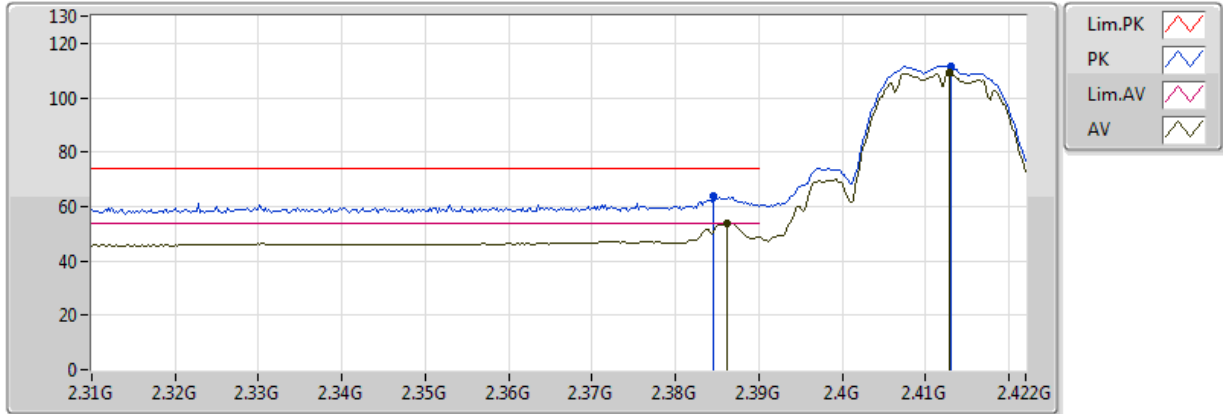
RSE TX above 1GHz Result

Appendix F.2

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	47.95	54.00	-6.05	31.64	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.38942G	71.98	74.00	-2.02	31.34	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.4202G	104.60	Inf	-Inf	31.43	3	V	NaN	NaN	-
2437MHz	Pass	PK	2.49696G	61.12	74.00	-12.88	31.68	3	V	NaN	NaN	-
2437MHz	Pass	AV	4.874G	33.13	54.00	-20.87	7.58	3	H	NaN	NaN	-
2437MHz	Pass	AV	7.311G	38.30	54.00	-15.70	12.50	3	H	NaN	NaN	-
2437MHz	Pass	PK	4.874G	47.69	74.00	-26.31	7.58	3	H	NaN	NaN	-
2437MHz	Pass	PK	7.311G	52.53	74.00	-21.47	12.50	3	H	NaN	NaN	-
2437MHz	Pass	PK	9.748G	57.39	Inf	-Inf	16.39	3	H	NaN	NaN	-
2437MHz	Pass	AV	4.874G	33.57	54.00	-20.43	7.58	3	V	NaN	NaN	-
2437MHz	Pass	AV	7.311G	38.53	54.00	-15.47	12.50	3	V	NaN	NaN	-
2437MHz	Pass	PK	4.874G	47.87	74.00	-26.13	7.58	3	V	NaN	NaN	-
2437MHz	Pass	PK	7.311G	52.77	74.00	-21.23	12.50	3	V	NaN	NaN	-
2437MHz	Pass	PK	9.748G	58.90	Inf	-Inf	16.39	3	V	NaN	NaN	-
2452MHz	Pass	AV	2.44136G	92.79	Inf	-Inf	31.50	3	V	NaN	NaN	-
2452MHz	Pass	AV	2.48384G	52.73	54.00	-1.27	31.64	3	V	NaN	NaN	-
2452MHz	Pass	PK	2.44256G	103.99	Inf	-Inf	31.51	3	V	NaN	NaN	-
2452MHz	Pass	PK	2.48384G	73.42	74.00	-0.58	31.64	3	V	NaN	NaN	-
2452MHz	Pass	AV	4.904G	33.83	54.00	-20.17	7.63	3	H	NaN	NaN	-
2452MHz	Pass	AV	7.356G	38.52	54.00	-15.48	12.52	3	H	NaN	NaN	-
2452MHz	Pass	PK	4.904G	47.94	74.00	-26.06	7.63	3	H	NaN	NaN	-
2452MHz	Pass	PK	7.356G	52.85	74.00	-21.15	12.52	3	H	NaN	NaN	-
2452MHz	Pass	PK	9.808G	57.45	Inf	-Inf	16.45	3	H	NaN	NaN	-
2452MHz	Pass	AV	4.904G	34.21	54.00	-19.79	7.63	3	V	NaN	NaN	-
2452MHz	Pass	AV	7.356G	38.91	54.00	-15.09	12.52	3	V	NaN	NaN	-
2452MHz	Pass	PK	4.904G	48.16	74.00	-25.84	7.63	3	V	NaN	NaN	-
2452MHz	Pass	PK	7.356G	53.52	74.00	-20.48	12.52	3	V	NaN	NaN	-
2452MHz	Pass	PK	9.808G	57.75	Inf	-Inf	16.45	3	V	NaN	NaN	-

802.11b_Nss1_4TX

2412MHz_Adapter

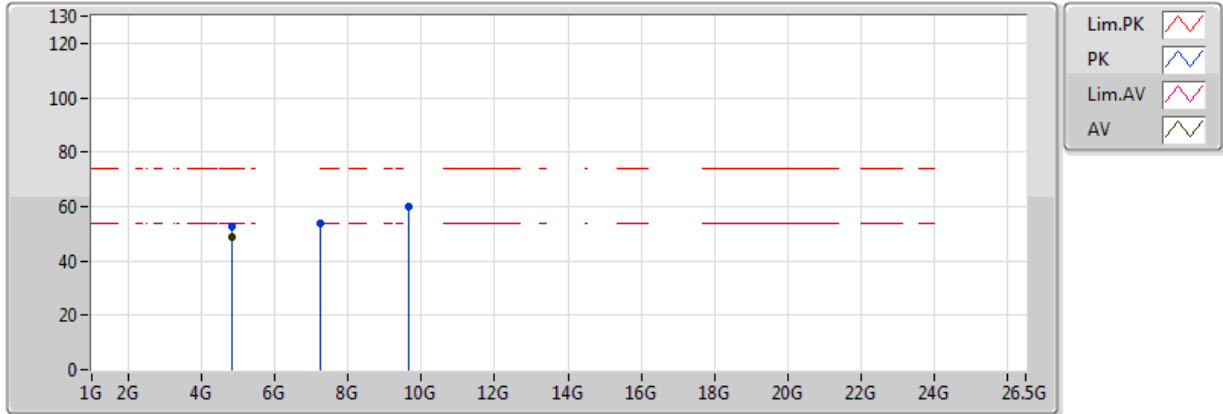


EUT=Z, ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.412816G	109.31	Inf	-Inf	31.41	3	V	NaN	NaN	-
AV	2.38616G	53.82	54.00	-0.18	31.32	3	V	NaN	NaN	-
PK	2.41304G	111.70	Inf	-Inf	31.41	3	V	NaN	NaN	-
PK	2.384592G	63.63	74.00	-10.37	31.32	3	V	NaN	NaN	-

802.11b_Nss1_4TX

2412MHz_Adapter

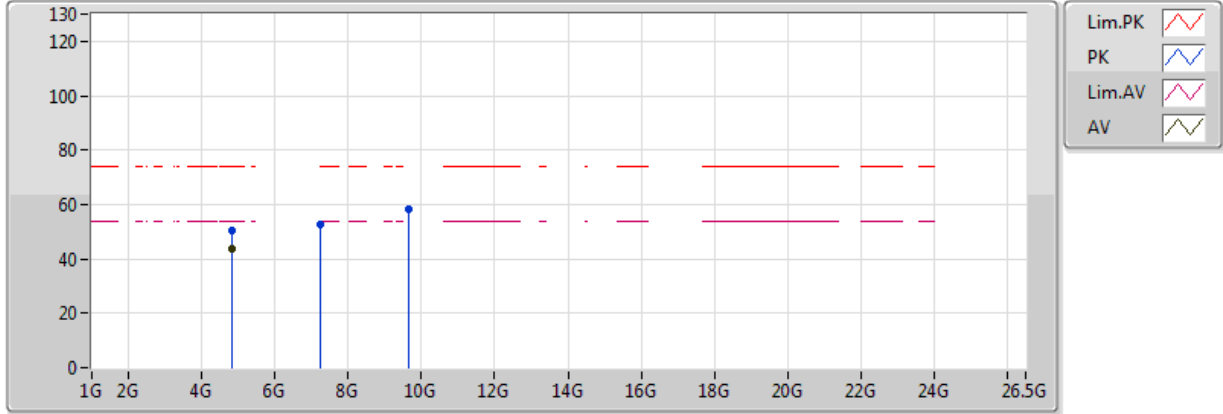


EUT=Z, ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	7.236G	53.76	Inf	-Inf	12.45	3	V	NaN	NaN	-
PK	9.648G	59.86	Inf	-Inf	16.30	3	V	NaN	NaN	-
AV	4.824G	48.56	54.00	-5.44	7.49	3	V	NaN	NaN	-
PK	4.824G	52.90	74.00	-21.10	7.49	3	V	NaN	NaN	-

802.11b_Nss1_4TX

2412MHz_Adapter

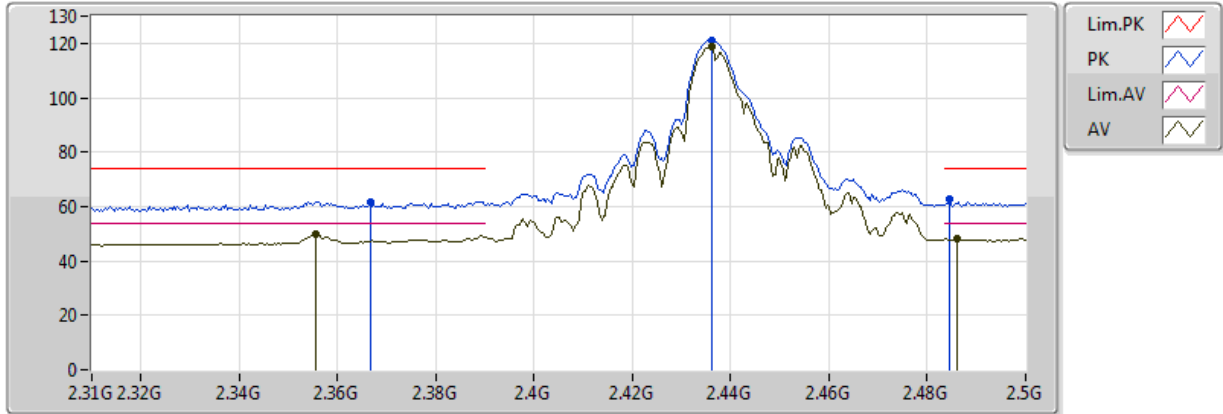


EUT=Z, ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	9.648G	58.47	Inf	-Inf	16.30	3	H	NaN	NaN	-
PK	7.236G	52.90	Inf	-Inf	12.45	3	H	NaN	NaN	-
AV	4.824G	43.78	54.00	-10.22	7.49	3	H	NaN	NaN	-
PK	4.824G	50.27	74.00	-23.73	7.49	3	H	NaN	NaN	-

802.11b_Nss1_4TX

2437MHz_Adapter



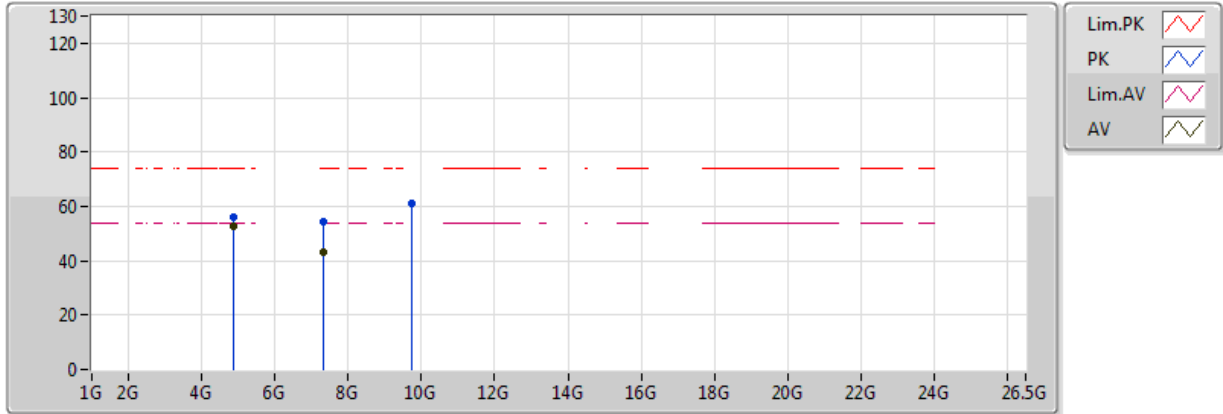
EUT=Z, ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3556G	49.97	54.00	-4.03	31.22	3	V	NaN	NaN	-
AV	2.43616G	118.62	Inf	-Inf	31.49	3	V	NaN	NaN	-
AV	2.48594G	48.04	54.00	-5.96	31.65	3	V	NaN	NaN	-
PK	2.36662G	61.89	74.00	-12.11	31.26	3	V	NaN	NaN	-
PK	2.43616G	121.27	Inf	-Inf	31.49	3	V	NaN	NaN	-
PK	2.48442G	62.88	74.00	-11.12	31.64	3	V	NaN	NaN	-



802.11b_Nss1_4TX

2437MHz_Adapter

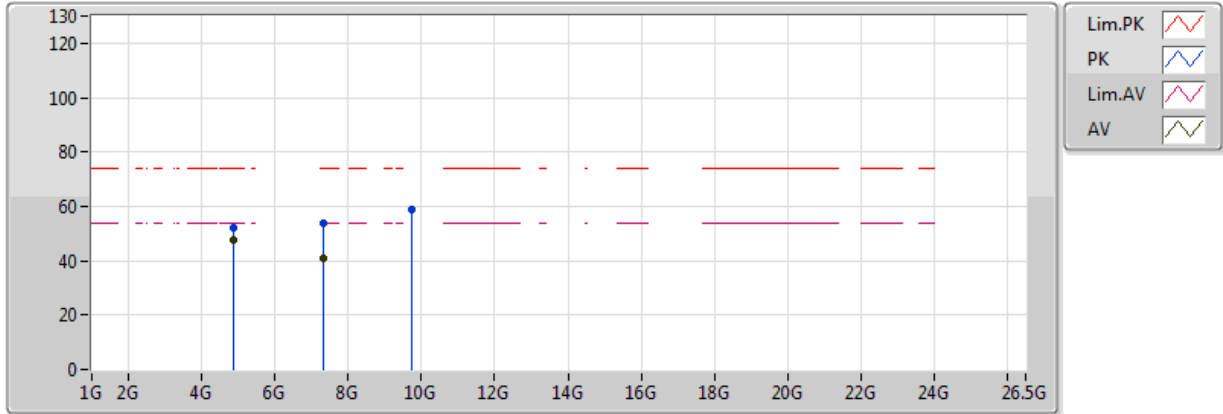


EUT=Z, ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	4.874G	55.92	74.00	-18.08	7.58	3	V	NaN	NaN	-
AV	7.311G	43.32	54.00	-10.68	12.50	3	V	NaN	NaN	-
PK	7.311G	54.62	74.00	-19.38	12.50	3	V	NaN	NaN	-
PK	9.748G	60.98	Inf	-Inf	16.39	3	V	NaN	NaN	-
AV	4.874G	52.92	54.00	-1.08	7.58	3	V	NaN	NaN	-

802.11b_Nss1_4TX

2437MHz_Adapter

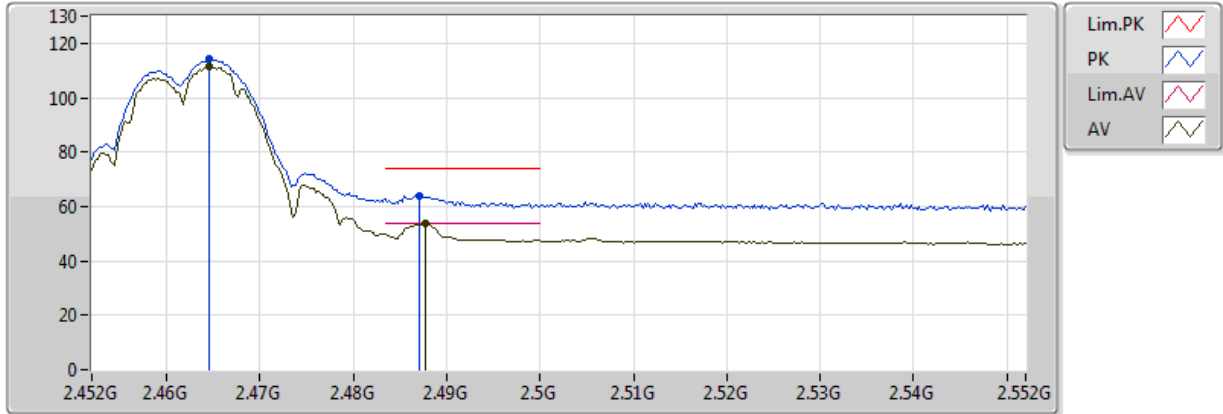


EUT=Z, ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	9.748G	59.01	Inf	-Inf	16.39	3	H	NaN	NaN	-
AV	7.311G	41.01	54.00	-12.99	12.50	3	H	NaN	NaN	-
PK	7.311G	53.87	74.00	-20.13	12.50	3	H	NaN	NaN	-
AV	4.874G	47.60	54.00	-6.40	7.58	3	H	NaN	NaN	-
PK	4.874G	52.38	74.00	-21.62	7.58	3	H	NaN	NaN	-

802.11b_Nss1_4TX

2462MHz_Adapter

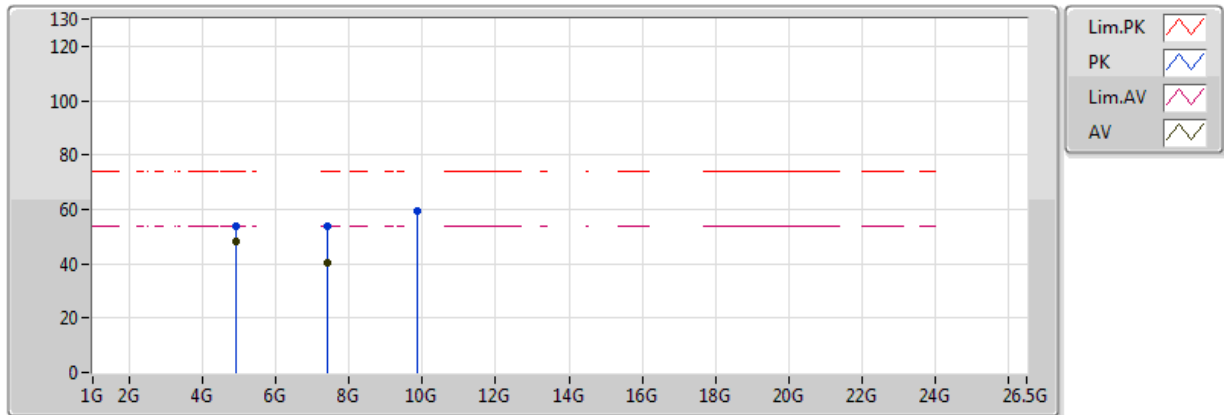


EUT=Z, ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4646G	111.26	Inf	-Inf	31.58	3	V	NaN	NaN	-
AV	2.4878G	53.87	54.00	-0.13	31.65	3	V	NaN	NaN	-
PK	2.4646G	114.33	Inf	-Inf	31.58	3	V	NaN	NaN	-
PK	2.487G	63.93	74.00	-10.07	31.65	3	V	NaN	NaN	-

802.11b_Nss1_4TX

2462MHz_Adapter

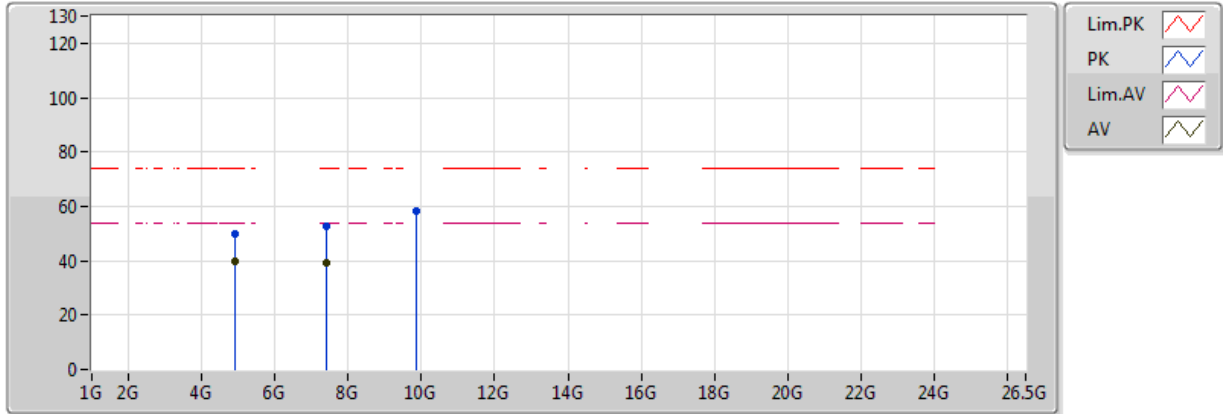


EUT=Z, ANT=Y

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	48.25	54.00	-5.75	7.66	3	V	NaN	NaN	-
PK	4.924G	53.62	74.00	-20.38	7.66	3	V	NaN	NaN	-
AV	7.386G	40.41	54.00	-13.59	12.54	3	V	NaN	NaN	-
PK	7.386G	53.98	74.00	-20.02	12.54	3	V	NaN	NaN	-
PK	9.848G	59.23	Inf	-Inf	16.49	3	V	NaN	NaN	-

802.11b_Nss1_4TX

2462MHz_Adapter

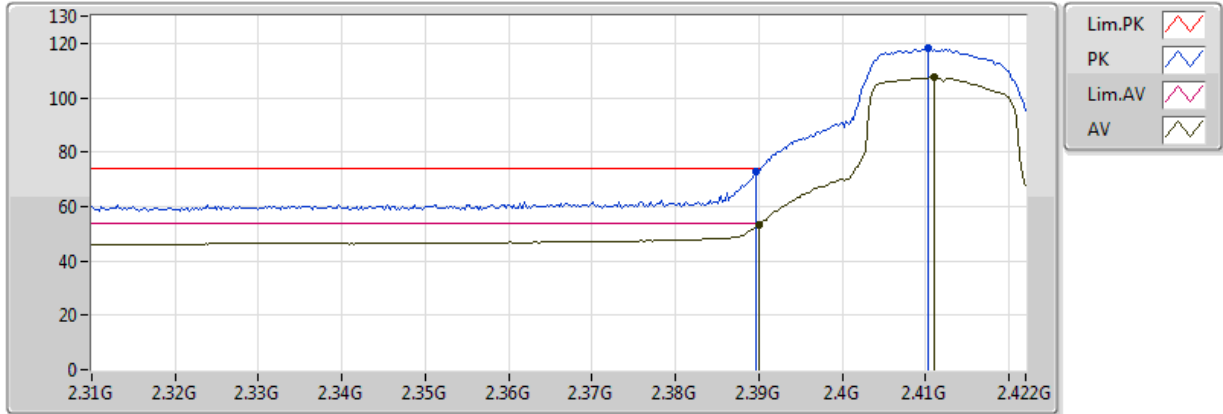


EUT=Z, ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	9.848G	58.16	Inf	-Inf	16.49	3	H	NaN	NaN	-
AV	7.386G	39.01	54.00	-14.99	12.54	3	H	NaN	NaN	-
PK	7.386G	52.95	74.00	-21.05	12.54	3	H	NaN	NaN	-
AV	4.924G	39.96	54.00	-14.04	7.66	3	H	NaN	NaN	-
PK	4.924G	49.89	74.00	-24.11	7.66	3	H	NaN	NaN	-

802.11g_Nss1_4TX

2412MHz_Adapter

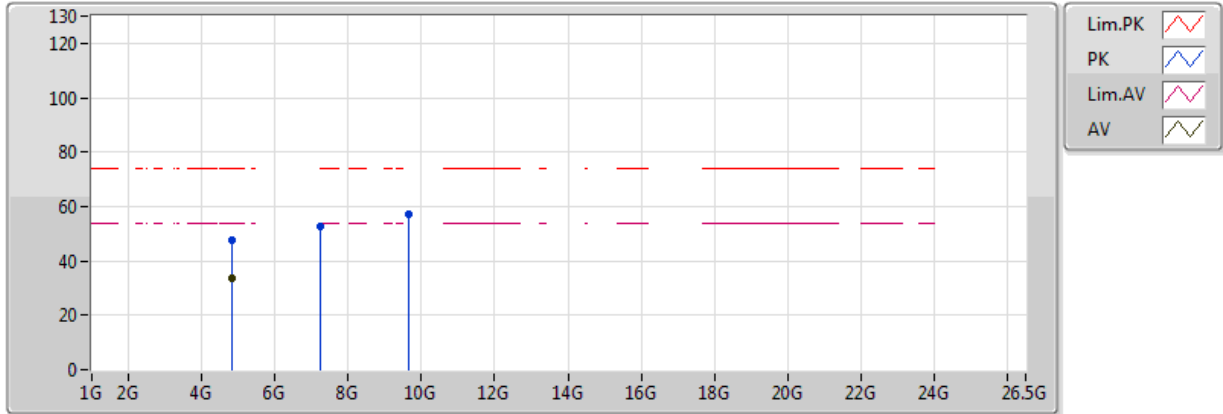


EUT=Z, ANT=Y

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	53.35	54.00	-0.65	31.34	3	V	NaN	NaN	-
AV	2.411024G	107.38	Inf	-Inf	31.41	3	V	NaN	NaN	-
PK	2.389744G	72.62	74.00	-1.38	31.34	3	V	NaN	NaN	-
PK	2.410352G	118.02	Inf	-Inf	31.40	3	V	NaN	NaN	-

802.11g_Nss1_4TX

2412MHz_Adapter

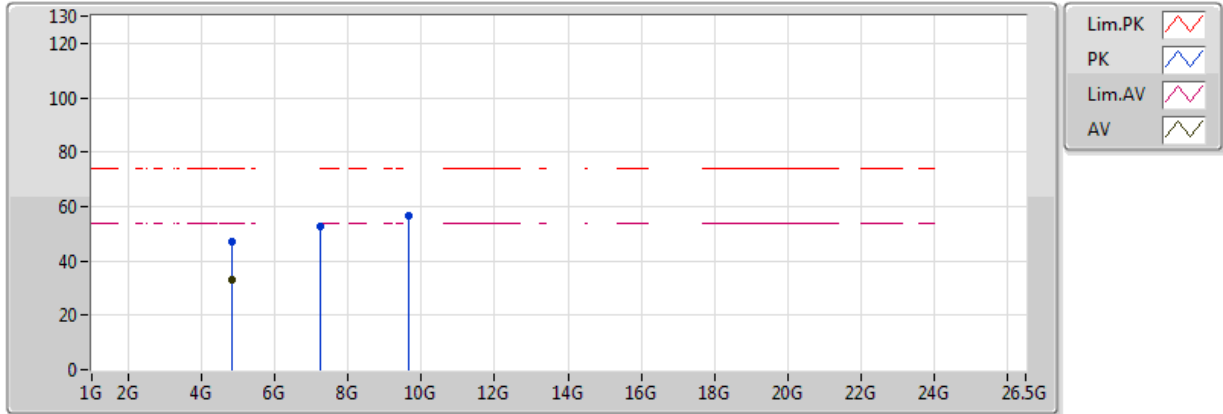


EUT=Z, ANT=Y

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	33.49	54.00	-20.51	7.49	3	V	NaN	NaN	-
PK	4.824G	47.83	74.00	-26.17	7.49	3	V	NaN	NaN	-
PK	7.236G	52.88	Inf	-Inf	12.45	3	V	NaN	NaN	-
PK	9.648G	57.35	Inf	-Inf	16.30	3	V	NaN	NaN	-

802.11g_Nss1_4TX

2412MHz_Adapter

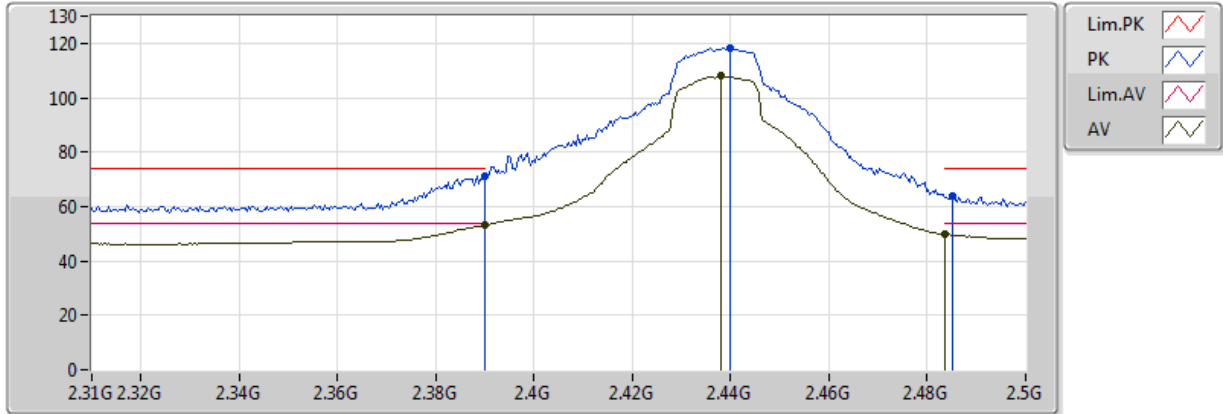


EUT=Z, ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	9.648G	56.83	Inf	-Inf	16.30	3	H	NaN	NaN	-
PK	7.236G	52.90	Inf	-Inf	12.45	3	H	NaN	NaN	-
AV	4.824G	32.85	54.00	-21.15	7.49	3	H	NaN	NaN	-
PK	4.824G	47.31	74.00	-26.69	7.49	3	H	NaN	NaN	-

802.11g_Nss1_4TX

2437MHz_Adapter

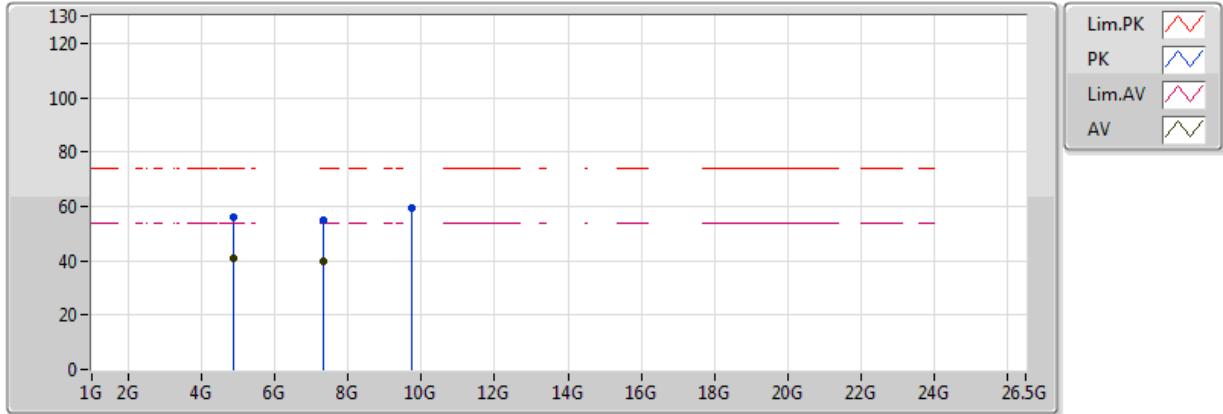


EUT=Z, ANT=Y

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	53.26	54.00	-0.74	31.34	3	V	NaN	NaN	-
AV	2.43806G	108.15	Inf	-Inf	31.49	3	V	NaN	NaN	-
AV	2.48366G	49.71	54.00	-4.29	31.64	3	V	NaN	NaN	-
PK	2.389998G	71.07	74.00	-2.93	31.34	3	V	NaN	NaN	-
PK	2.43996G	118.33	Inf	-Inf	31.50	3	V	NaN	NaN	-
PK	2.48518G	63.73	74.00	-10.27	31.64	3	V	NaN	NaN	-

802.11g_Nss1_4TX

2437MHz_Adapter



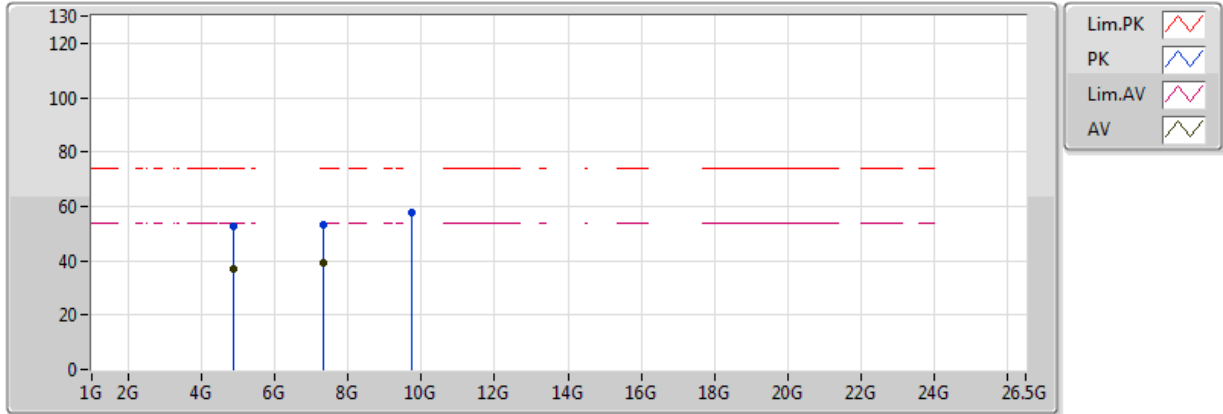
EUT=Z, ANT=Y

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	40.93	54.00	-13.07	7.58	3	V	NaN	NaN	-
PK	4.874G	56.12	74.00	-17.88	7.58	3	V	NaN	NaN	-
AV	7.311G	40.04	54.00	-13.96	12.50	3	V	NaN	NaN	-
PK	7.311G	54.98	74.00	-19.02	12.50	3	V	NaN	NaN	-
PK	9.748G	59.14	Inf	-Inf	16.39	3	V	NaN	NaN	-



802.11g_Nss1_4TX

2437MHz_Adapter

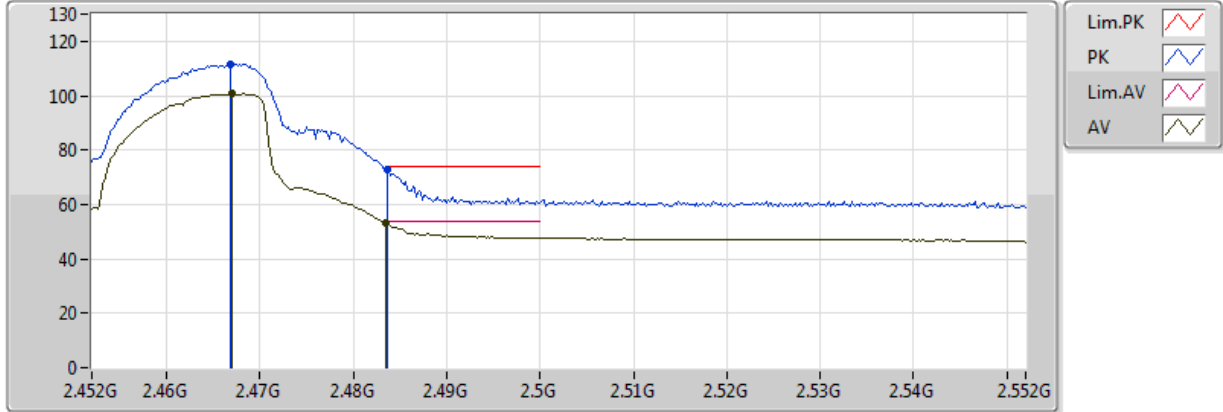


EUT=Z, ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	9.748G	57.72	Inf	-Inf	16.39	3	H	NaN	NaN	-
AV	7.311G	39.00	54.00	-15.00	12.50	3	H	NaN	NaN	-
PK	7.311G	53.37	74.00	-20.63	12.50	3	H	NaN	NaN	-
AV	4.874G	36.99	54.00	-17.01	7.58	3	H	NaN	NaN	-
PK	4.874G	52.54	74.00	-21.46	7.58	3	H	NaN	NaN	-

802.11g_Nss1_4TX

2462MHz_Adapter

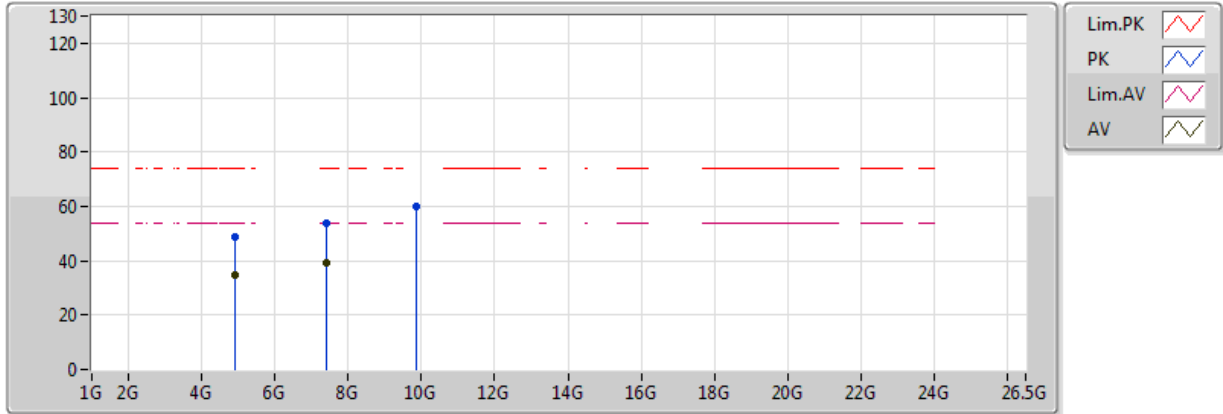


EUT=Z, ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.467G	100.61	Inf	-Inf	31.58	3	V	NaN	NaN	-
AV	2.483502G	53.06	54.00	-0.94	31.64	3	V	NaN	NaN	-
PK	2.4668G	111.54	Inf	-Inf	31.58	3	V	NaN	NaN	-
PK	2.4836G	73.02	74.00	-0.98	31.64	3	V	NaN	NaN	-

802.11g_Nss1_4TX

2462MHz_Adapter

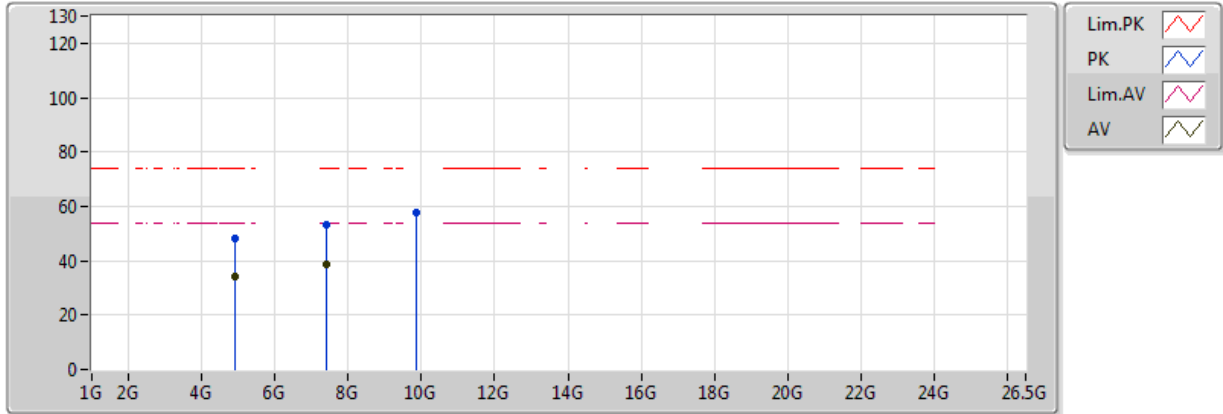


EUT=Z, ANT=Y

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	34.84	54.00	-19.16	7.66	3	V	NaN	NaN	-
PK	4.924G	48.50	74.00	-25.50	7.66	3	V	NaN	NaN	-
AV	7.386G	38.95	54.00	-15.05	12.54	3	V	NaN	NaN	-
PK	7.386G	53.71	74.00	-20.29	12.54	3	V	NaN	NaN	-
PK	9.848G	59.75	Inf	-Inf	16.49	3	V	NaN	NaN	-

802.11g_Nss1_4TX

2462MHz_Adapter

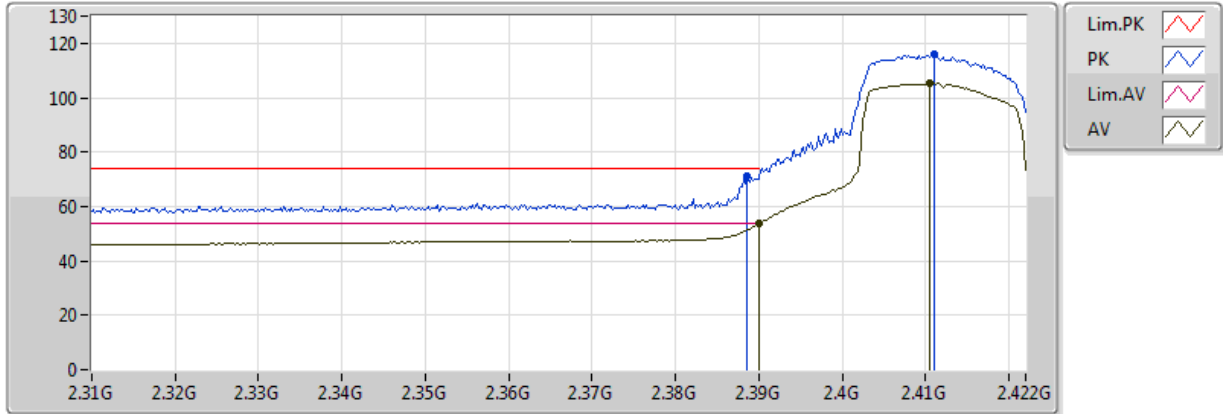


EUT=Z, ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	9.848G	57.97	Inf	-Inf	16.49	3	H	NaN	NaN	-
AV	7.386G	38.85	54.00	-15.15	12.54	3	H	NaN	NaN	-
PK	7.386G	53.45	74.00	-20.55	12.54	3	H	NaN	NaN	-
AV	4.924G	34.04	54.00	-19.96	7.66	3	H	NaN	NaN	-
PK	4.924G	48.31	74.00	-25.69	7.66	3	H	NaN	NaN	-

802.11n HT20_Nss1,(MCS0)_4TX

2412MHz_Adapter

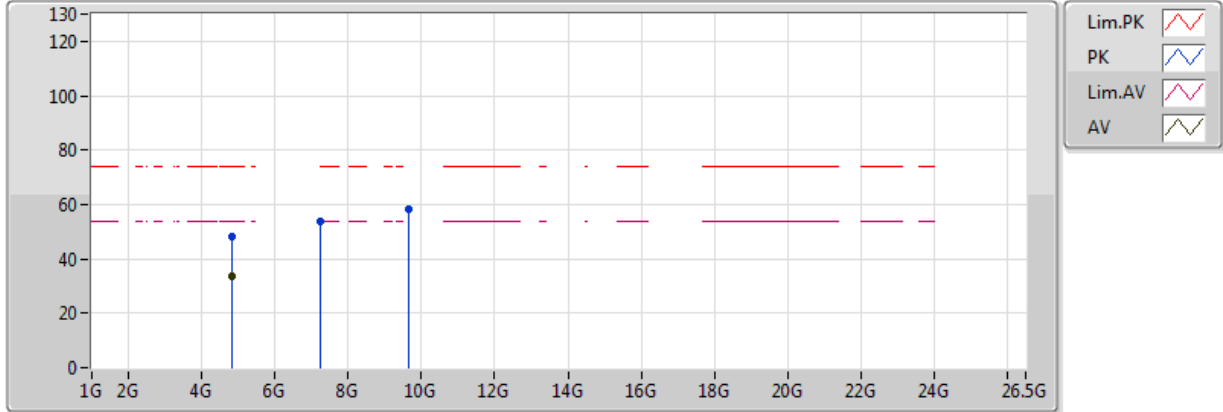


EUT=Z, ANT=Y

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	53.57	54.00	-0.43	31.34	3	V	NaN	NaN	-
AV	2.410576G	105.14	Inf	-Inf	31.40	3	V	NaN	NaN	-
PK	2.388624G	71.24	74.00	-2.76	31.33	3	V	NaN	NaN	-
PK	2.411024G	115.93	Inf	-Inf	31.41	3	V	NaN	NaN	-

802.11n HT20_Nss1,(MCS0)_4TX

2412MHz_Adapter

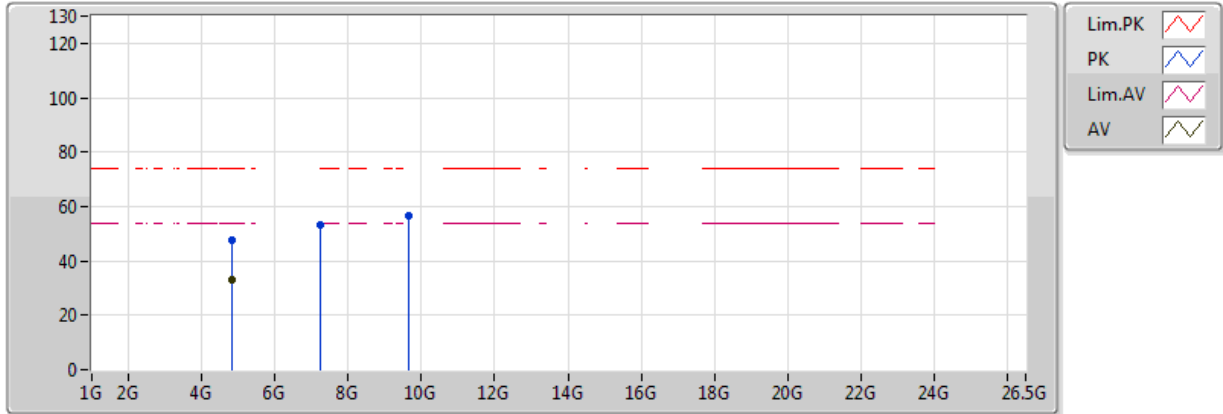


EUT=Z, ANT=Y

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	33.51	54.00	-20.49	7.49	3	V	NaN	NaN	-
PK	4.824G	48.31	74.00	-25.69	7.49	3	V	NaN	NaN	-
PK	7.236G	53.95	Inf	-Inf	12.45	3	V	NaN	NaN	-
PK	9.648G	58.30	Inf	-Inf	16.30	3	V	NaN	NaN	-

802.11n HT20_Nss1,(MCS0)_4TX

2412MHz_Adapter

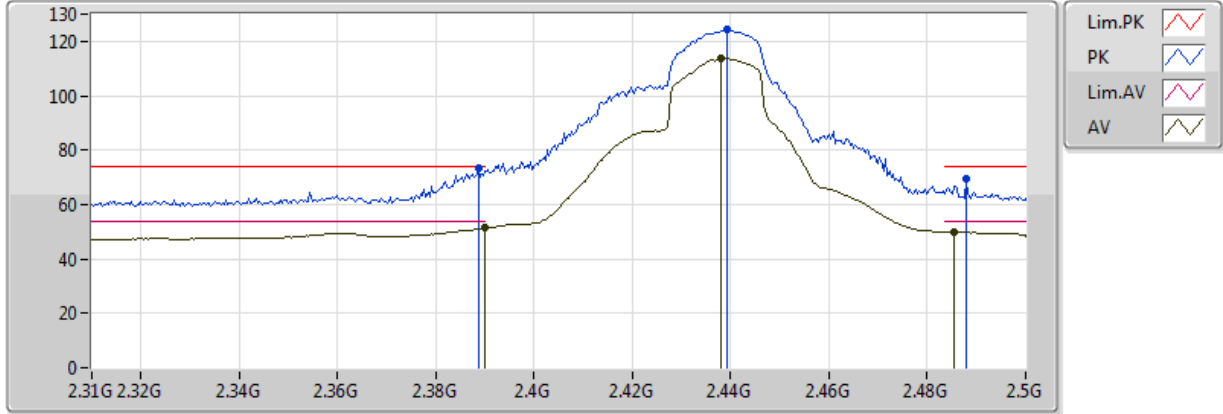


EUT=Z, ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	9.648G	56.64	Inf	-Inf	16.30	3	H	NaN	NaN	-
PK	7.236G	53.05	Inf	-Inf	12.45	3	H	NaN	NaN	-
AV	4.824G	32.99	54.00	-21.01	7.49	3	H	NaN	NaN	-
PK	4.824G	47.57	74.00	-26.43	7.49	3	H	NaN	NaN	-

802.11n HT20_Nss1,(MCS0)_4TX

2437MHz_Adapter

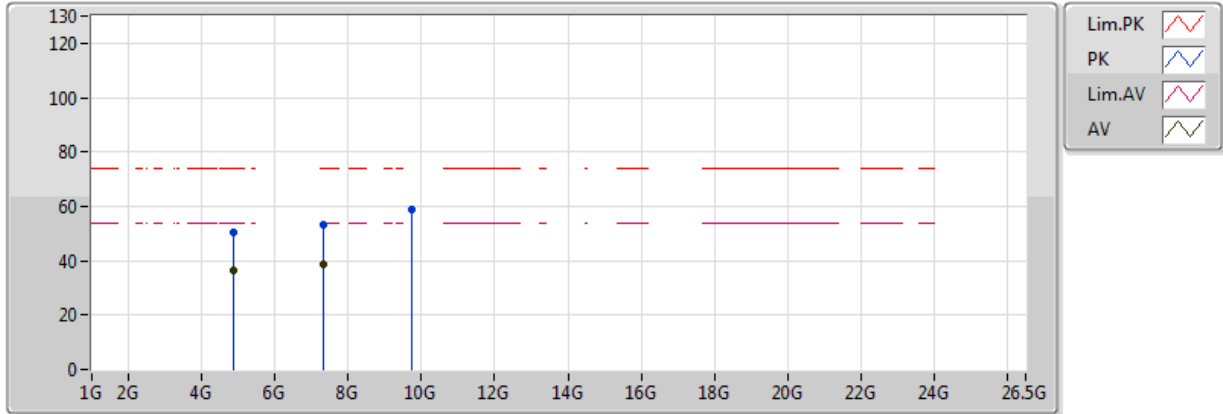


EUT=Z, ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	2.38866G	73.23	74.00	-0.77	31.33	3	V	NaN	NaN	-
PK	2.48784G	69.71	74.00	-4.29	31.65	3	V	NaN	NaN	-
PK	2.4392G	124.25	Inf	-Inf	31.50	3	V	NaN	NaN	-
AV	2.389998G	51.37	54.00	-2.63	31.34	3	V	NaN	NaN	-
AV	2.48556G	50.13	54.00	-3.87	31.64	3	V	NaN	NaN	-
AV	2.43806G	113.72	Inf	-Inf	31.49	3	V	NaN	NaN	-

802.11n HT20_Nss1,(MCS0)_4TX

2437MHz_Adapter

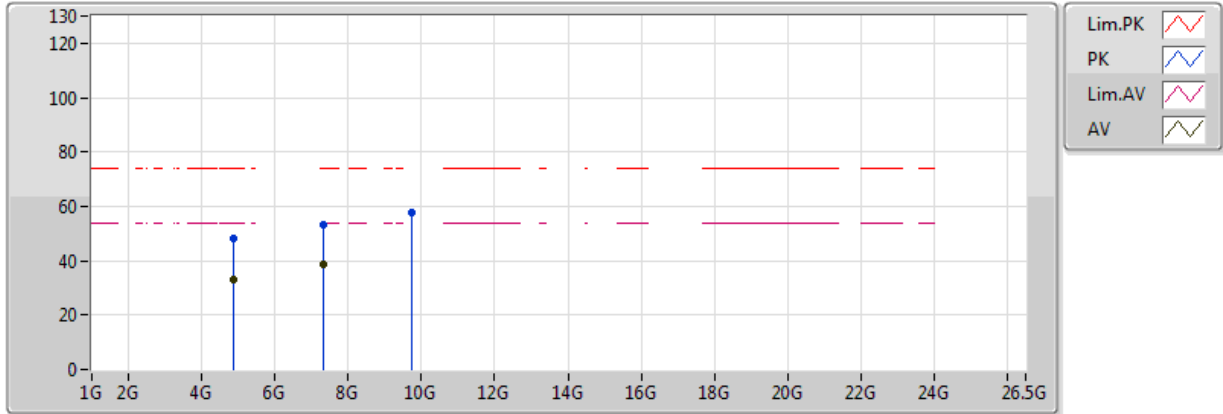


EUT=Z, ANT=Y

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	36.28	54.00	-17.72	7.58	3	V	NaN	NaN	-
PK	4.874G	50.58	74.00	-23.42	7.58	3	V	NaN	NaN	-
AV	7.311G	38.80	54.00	-15.20	12.50	3	V	NaN	NaN	-
PK	7.311G	53.38	74.00	-20.62	12.50	3	V	NaN	NaN	-
PK	9.748G	58.99	Inf	-Inf	16.39	3	V	NaN	NaN	-

802.11n HT20_Nss1,(MCS0)_4TX

2437MHz_Adapter

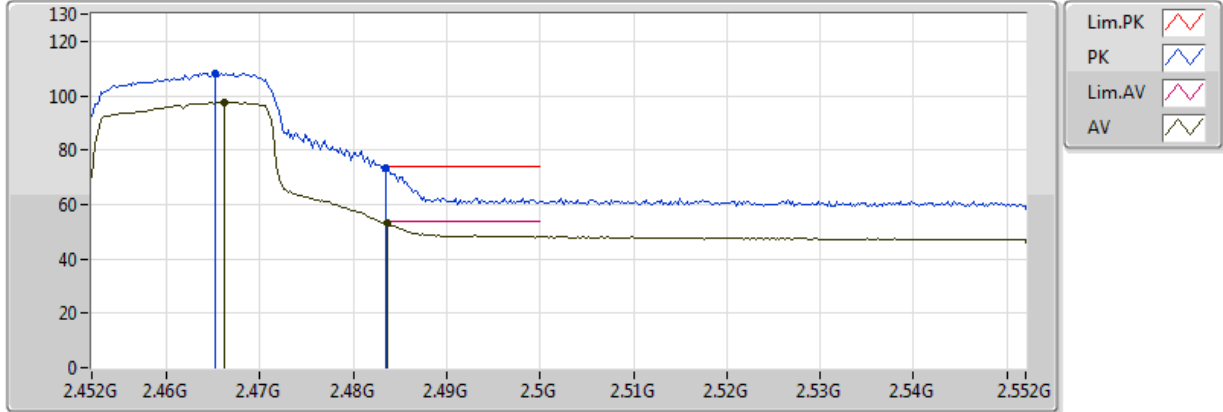


EUT=Z, ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	9.748G	57.89	Inf	-Inf	16.39	3	H	NaN	NaN	-
AV	7.311G	38.75	54.00	-15.25	12.50	3	H	NaN	NaN	-
PK	7.311G	53.16	74.00	-20.84	12.50	3	H	NaN	NaN	-
AV	4.874G	33.20	54.00	-20.80	7.58	3	H	NaN	NaN	-
PK	4.874G	48.13	74.00	-25.87	7.58	3	H	NaN	NaN	-

802.11n HT20_Nss1,(MCS0)_4TX

2462MHz_Adapter

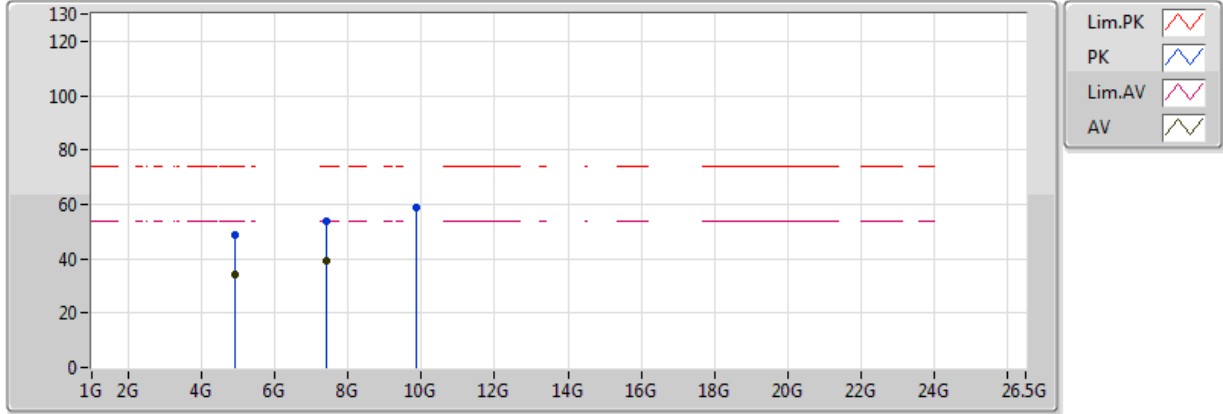


EUT=Z, ANT=Y

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	73.45	74.00	-0.55	31.64	3	V	NaN	NaN	-
PK	2.4652G	108.41	Inf	-Inf	31.58	3	V	NaN	NaN	-
AV	2.4836G	53.00	54.00	-1.00	31.64	3	V	NaN	NaN	-
AV	2.4662G	97.46	Inf	-Inf	31.58	3	V	NaN	NaN	-

802.11n HT20_Nss1,(MCS0)_4TX

2462MHz_Adapter

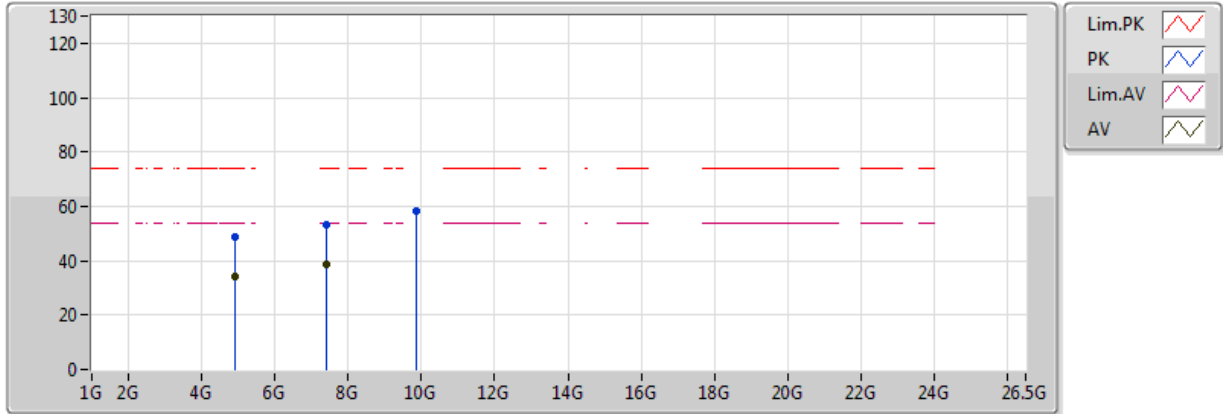


EUT=Z, ANT=Y

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	34.46	54.00	-19.54	7.66	3	V	NaN	NaN	-
PK	4.924G	48.67	74.00	-25.33	7.66	3	V	NaN	NaN	-
AV	7.386G	39.15	54.00	-14.85	12.54	3	V	NaN	NaN	-
PK	7.386G	53.81	74.00	-20.19	12.54	3	V	NaN	NaN	-
PK	9.848G	58.65	Inf	-Inf	16.49	3	V	NaN	NaN	-

802.11n HT20_Nss1,(MCS0)_4TX

2462MHz_Adapter

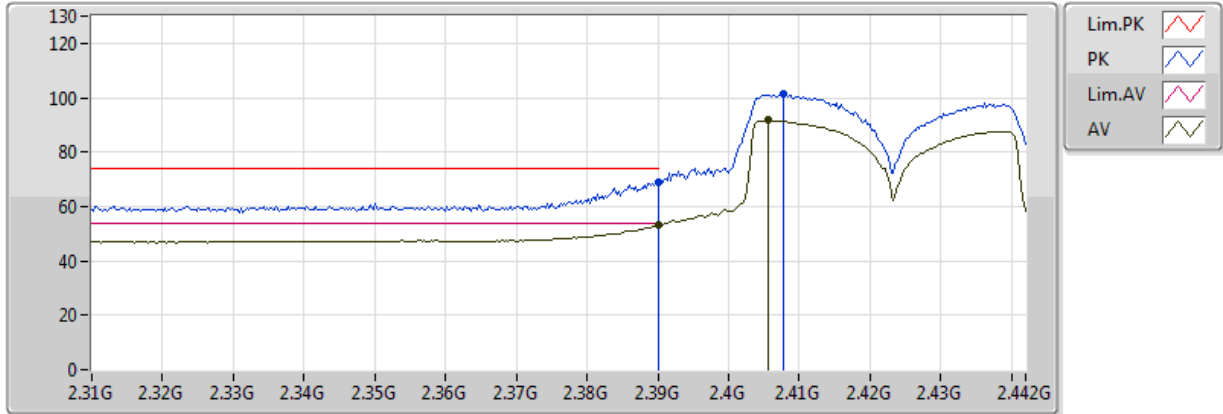


EUT=Z, ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	9.848G	58.34	Inf	-Inf	16.49	3	H	NaN	NaN	-
AV	7.386G	38.72	54.00	-15.28	12.54	3	H	NaN	NaN	-
PK	7.386G	53.43	74.00	-20.57	12.54	3	H	NaN	NaN	-
AV	4.924G	33.96	54.00	-20.04	7.66	3	H	NaN	NaN	-
PK	4.924G	48.66	74.00	-25.34	7.66	3	H	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_4TX

2422MHz_Adapter

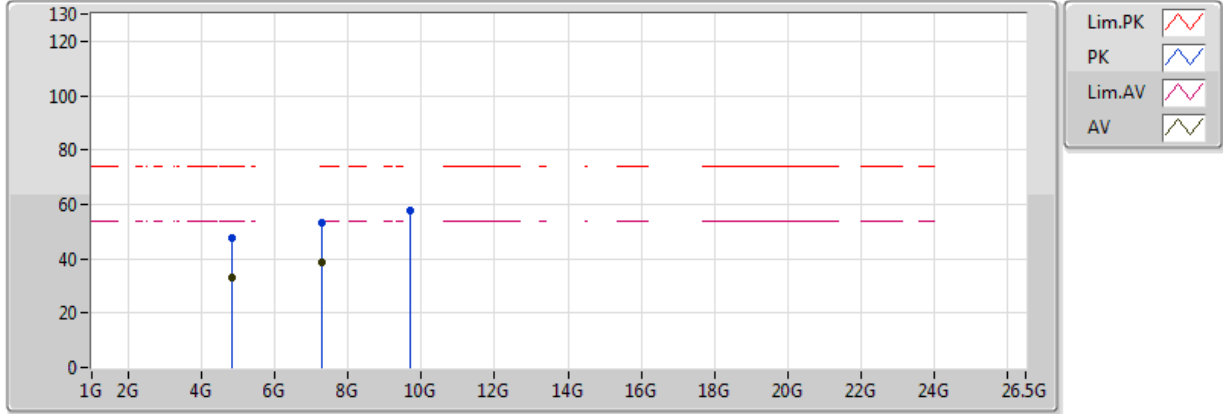


EUT=Z, ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	2.389998G	69.07	74.00	-4.93	31.34	3	V	NaN	NaN	-
PK	2.40768G	101.44	Inf	-Inf	31.39	3	V	NaN	NaN	-
AV	2.389998G	53.21	54.00	-0.79	31.34	3	V	NaN	NaN	-
AV	2.405568G	91.64	Inf	-Inf	31.39	3	V	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_4TX

2422MHz_Adapter

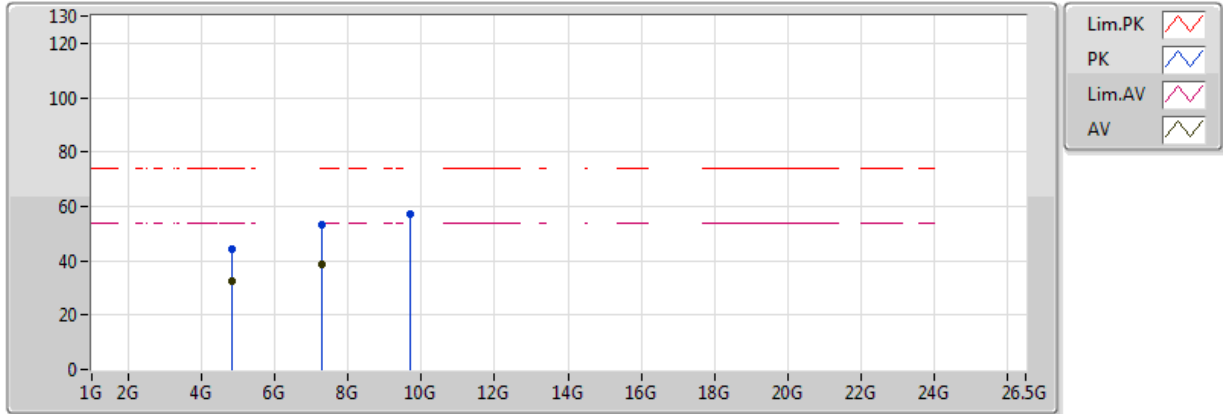


EUT=Z, ANT=Y

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	33.33	54.00	-20.67	7.52	3	V	NaN	NaN	-
PK	4.844G	47.58	74.00	-26.42	7.52	3	V	NaN	NaN	-
AV	7.266G	38.66	54.00	-15.34	12.47	3	V	NaN	NaN	-
PK	7.266G	53.17	74.00	-20.83	12.47	3	V	NaN	NaN	-
PK	9.688G	57.84	Inf	-Inf	16.34	3	V	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_4TX

2422MHz_Adapter

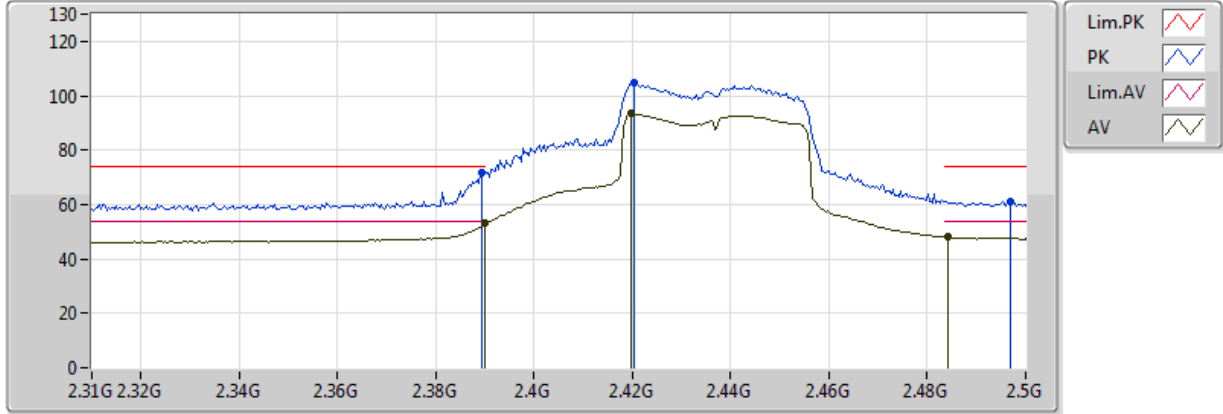


EUT=Z, ANT=Y

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	32.61	54.00	-21.39	7.52	3	H	NaN	NaN	-
PK	4.844G	44.44	74.00	-29.56	7.52	3	H	NaN	NaN	-
AV	7.266G	38.47	54.00	-15.53	12.47	3	H	NaN	NaN	-
PK	7.266G	53.17	74.00	-20.83	12.47	3	H	NaN	NaN	-
PK	9.688G	57.25	Inf	-Inf	16.34	3	H	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_4TX

2437MHz_Adapter

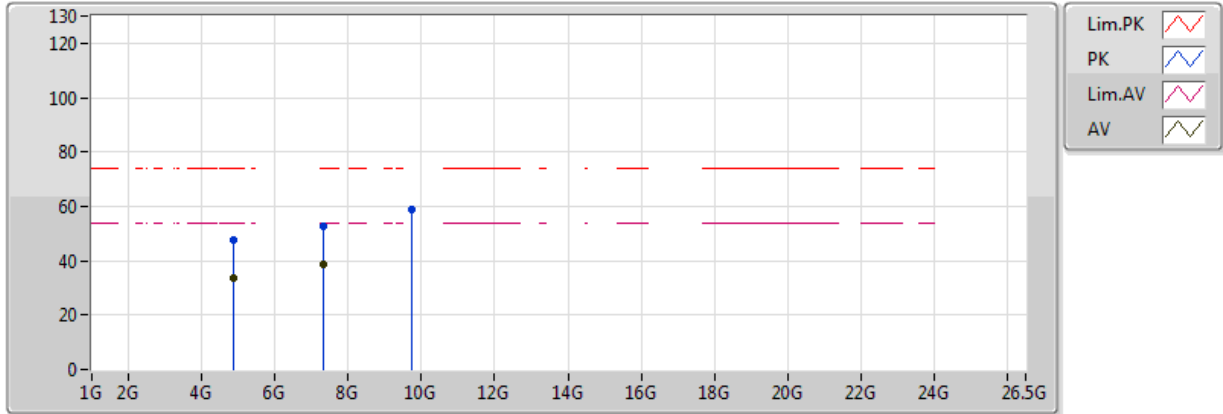


EUT=Z, ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	2.38942G	71.98	74.00	-2.02	31.34	3	V	NaN	NaN	-
PK	2.49696G	61.12	74.00	-12.88	31.68	3	V	NaN	NaN	-
PK	2.4202G	104.60	Inf	-Inf	31.43	3	V	NaN	NaN	-
AV	2.389998G	53.15	54.00	-0.85	31.34	3	V	NaN	NaN	-
AV	2.48404G	47.95	54.00	-6.05	31.64	3	V	NaN	NaN	-
AV	2.41982G	93.62	Inf	-Inf	31.43	3	V	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_4TX

2437MHz_Adapter

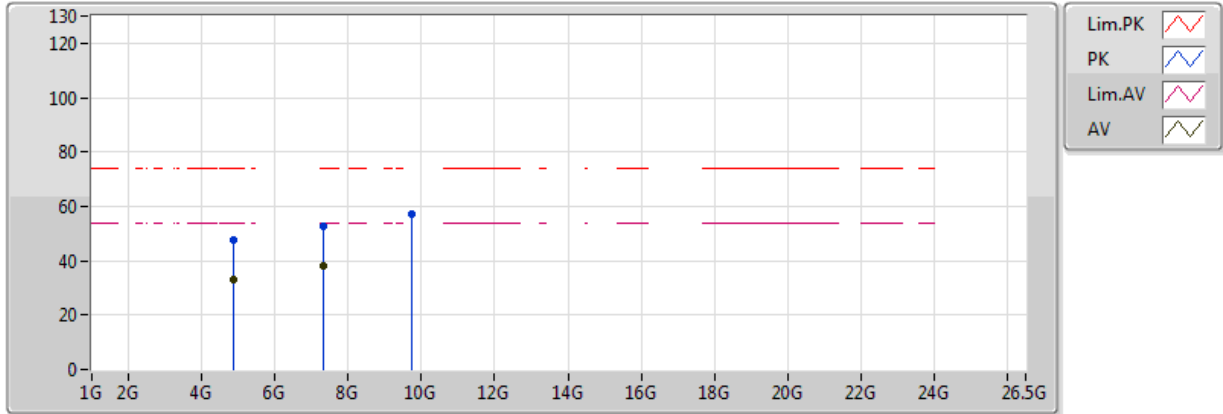


EUT=Z, ANT=Y

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	33.57	54.00	-20.43	7.58	3	V	NaN	NaN	-
PK	4.874G	47.87	74.00	-26.13	7.58	3	V	NaN	NaN	-
AV	7.311G	38.53	54.00	-15.47	12.50	3	V	NaN	NaN	-
PK	7.311G	52.77	74.00	-21.23	12.50	3	V	NaN	NaN	-
PK	9.748G	58.90	Inf	-Inf	16.39	3	V	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_4TX

2437MHz_Adapter

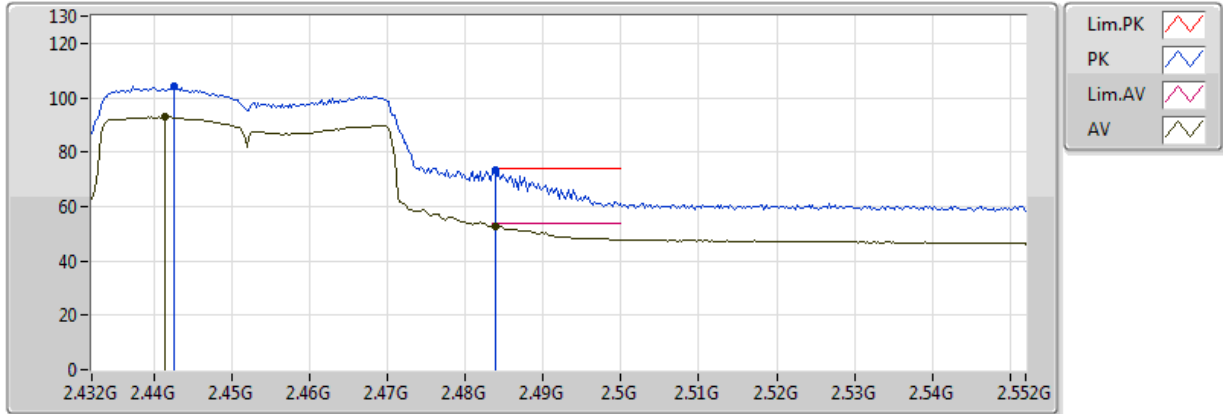


EUT=Z, ANT=Y

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	33.13	54.00	-20.87	7.58	3	H	NaN	NaN	-
PK	4.874G	47.69	74.00	-26.31	7.58	3	H	NaN	NaN	-
AV	7.311G	38.30	54.00	-15.70	12.50	3	H	NaN	NaN	-
PK	7.311G	52.53	74.00	-21.47	12.50	3	H	NaN	NaN	-
PK	9.748G	57.39	Inf	-Inf	16.39	3	H	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_4TX

2452MHz_Adapter

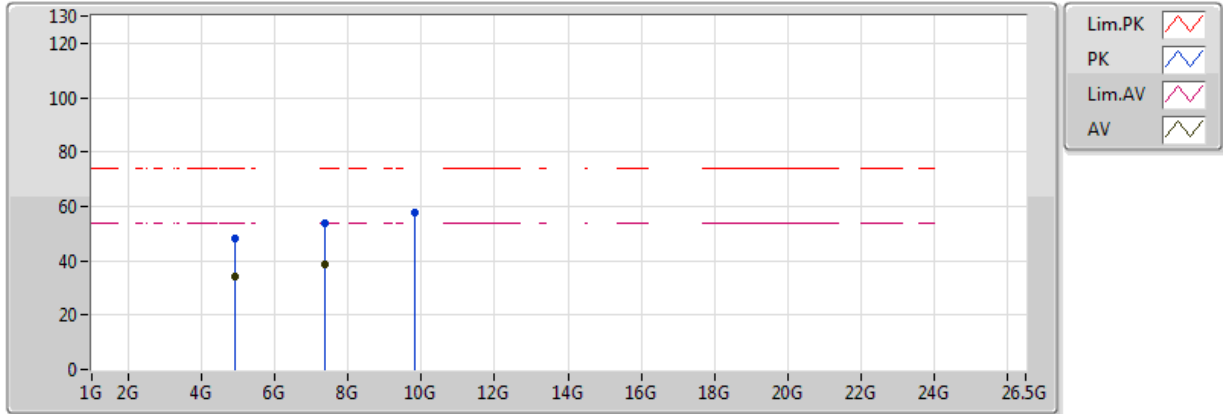


EUT=Z, ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	2.48384G	73.42	74.00	-0.58	31.64	3	V	NaN	NaN	-
PK	2.44256G	103.99	Inf	-Inf	31.51	3	V	NaN	NaN	-
AV	2.48384G	52.73	54.00	-1.27	31.64	3	V	NaN	NaN	-
AV	2.44136G	92.79	Inf	-Inf	31.50	3	V	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_4TX

2452MHz_Adapter

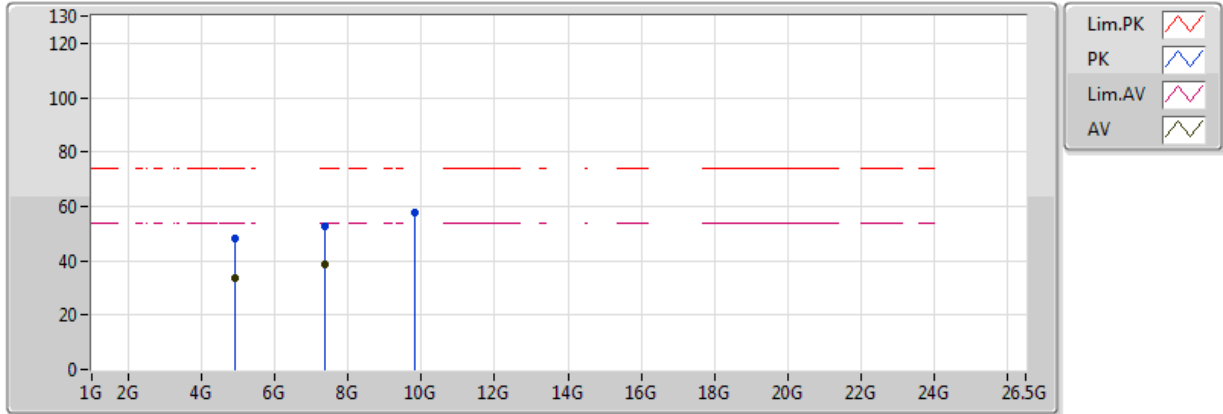


EUT=Z, ANT=Y

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	34.21	54.00	-19.79	7.63	3	V	NaN	NaN	-
PK	4.904G	48.16	74.00	-25.84	7.63	3	V	NaN	NaN	-
AV	7.356G	38.91	54.00	-15.09	12.52	3	V	NaN	NaN	-
PK	7.356G	53.52	74.00	-20.48	12.52	3	V	NaN	NaN	-
PK	9.808G	57.75	Inf	-Inf	16.45	3	V	NaN	NaN	-

802.11n HT40_Nss1,(MCS0)_4TX

2452MHz_Adapter



EUT=Z, ANT=Y

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	33.83	54.00	-20.17	7.63	3	H	NaN	NaN	-
PK	4.904G	47.94	74.00	-26.06	7.63	3	H	NaN	NaN	-
PK	7.356G	52.85	74.00	-21.15	12.52	3	H	NaN	NaN	-
AV	7.356G	38.52	54.00	-15.48	12.52	3	H	NaN	NaN	-
PK	9.808G	57.45	Inf	-Inf	16.45	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
802.11a_Nss1_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	AV	15.72G	52.98	54.00	-1.02	17.48	3	V	NaN	NaN	-

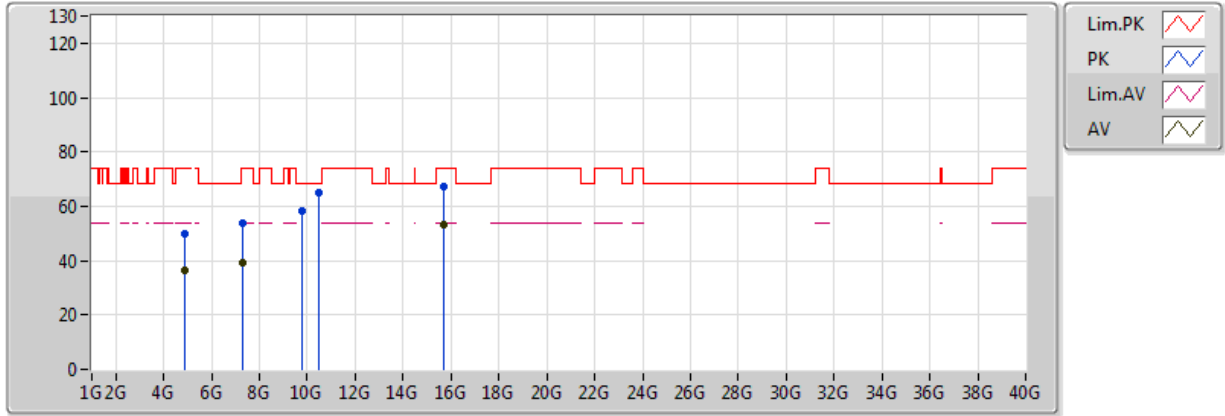


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11a_Nss1_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5240MHz	Pass	AV	4.874G	34.61	54.00	-19.39	7.58	3	H	NaN	NaN	-
5240MHz	Pass	PK	4.874G	49.08	74.00	-24.92	7.58	3	H	NaN	NaN	-
5240MHz	Pass	AV	4.874G	36.61	54.00	-17.39	7.58	3	V	NaN	NaN	-
5240MHz	Pass	PK	4.874G	49.91	74.00	-24.09	7.58	3	V	NaN	NaN	-
5240MHz	Pass	AV	7.311G	38.70	54.00	-15.30	12.50	3	H	NaN	NaN	-
5240MHz	Pass	AV	15.72G	49.49	54.00	-4.51	17.48	3	H	NaN	NaN	-
5240MHz	Pass	PK	30M	25.98	40.00	-14.02	-4.59	3	H	NaN	NaN	-
5240MHz	Pass	PK	165.8M	27.94	43.50	-15.56	-10.03	3	H	NaN	NaN	-
5240MHz	Pass	PK	299.66M	28.38	46.00	-17.62	-5.49	3	H	NaN	NaN	-
5240MHz	Pass	PK	600.36M	36.15	46.00	-9.85	-0.22	3	H	NaN	NaN	-
5240MHz	Pass	PK	677.96M	38.00	46.00	-8.00	0.40	3	H	NaN	NaN	-
5240MHz	Pass	PK	7.311G	53.51	74.00	-20.49	12.50	3	H	NaN	NaN	-
5240MHz	Pass	PK	9.748G	58.56	68.20	-9.64	16.39	3	H	NaN	NaN	-
5240MHz	Pass	PK	10.48G	64.90	68.20	-3.30	17.40	3	H	NaN	NaN	-
5240MHz	Pass	PK	15.72G	62.54	74.00	-11.46	17.48	3	H	NaN	NaN	-
5240MHz	Pass	QP	499.48M	42.85	46.00	-3.15	-1.33	3	H	NaN	NaN	-
5240MHz	Pass	AV	7.311G	39.38	54.00	-14.62	12.50	3	V	NaN	NaN	-
5240MHz	Pass	AV	15.72G	52.98	54.00	-1.02	17.48	3	V	NaN	NaN	-
5240MHz	Pass	PK	47.46M	27.07	40.00	-12.93	-12.31	3	V	NaN	NaN	-
5240MHz	Pass	PK	165.8M	26.24	43.50	-17.26	-10.03	3	V	NaN	NaN	-
5240MHz	Pass	PK	299.66M	27.36	46.00	-18.64	-5.49	3	V	NaN	NaN	-
5240MHz	Pass	PK	499.48M	42.44	46.00	-3.56	-1.33	3	V	NaN	NaN	-
5240MHz	Pass	PK	600.36M	38.26	46.00	-7.74	-0.22	3	V	NaN	NaN	-
5240MHz	Pass	PK	677.96M	37.91	46.00	-8.09	0.40	3	V	NaN	NaN	-
5240MHz	Pass	PK	7.311G	53.56	74.00	-20.44	12.50	3	V	NaN	NaN	-
5240MHz	Pass	PK	9.748G	58.29	68.20	-9.91	16.39	3	V	NaN	NaN	-
5240MHz	Pass	PK	10.48G	65.15	68.20	-3.05	17.40	3	V	NaN	NaN	-
5240MHz	Pass	PK	15.72G	67.48	74.00	-6.52	17.48	3	V	NaN	NaN	-

802.11a_Nss1_4TX

5240MHz_2.4G HT20 20 1 (M0) 4 2437

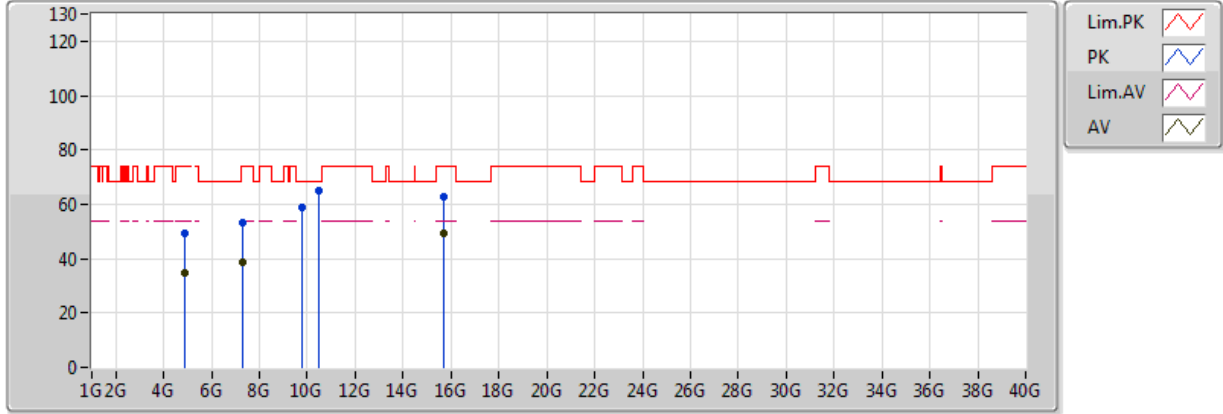


EUT=Z,ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	10.48G	65.15	68.20	-3.05	17.40	3	V	NaN	NaN	-
AV	15.72G	52.98	54.00	-1.02	17.48	3	V	NaN	NaN	-
PK	15.72G	67.48	74.00	-6.52	17.48	3	V	NaN	NaN	-
AV	4.874G	36.61	54.00	-17.39	7.58	3	V	NaN	NaN	-
PK	4.874G	49.91	74.00	-24.09	7.58	3	V	NaN	NaN	-
AV	7.311G	39.38	54.00	-14.62	12.50	3	V	NaN	NaN	-
PK	7.311G	53.56	74.00	-20.44	12.50	3	V	NaN	NaN	-
PK	9.748G	58.29	68.20	-9.91	16.39	3	V	NaN	NaN	-

802.11a_Nss1_4TX

5240MHz_2.4G HT20 20 1 (M0) 4 2437

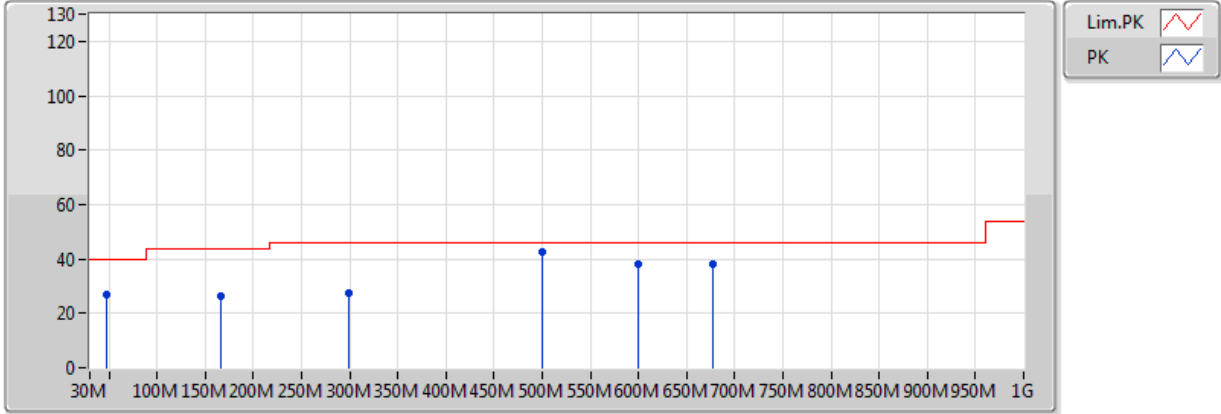


EUT=Z,ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.72G	49.49	54.00	-4.51	17.48	3	H	NaN	NaN	-
PK	15.72G	62.54	74.00	-11.46	17.48	3	H	NaN	NaN	-
PK	10.48G	64.90	68.20	-3.30	17.40	3	H	NaN	NaN	-
AV	4.874G	34.61	54.00	-19.39	7.58	3	H	NaN	NaN	-
PK	4.874G	49.08	74.00	-24.92	7.58	3	H	NaN	NaN	-
AV	7.311G	38.70	54.00	-15.30	12.50	3	H	NaN	NaN	-
PK	7.311G	53.51	74.00	-20.49	12.50	3	H	NaN	NaN	-
PK	9.748G	58.56	68.20	-9.64	16.39	3	H	NaN	NaN	-

802.11a_Nss1_4TX

5240MHz_2.4G HT20 20 1 (M0) 4 2437

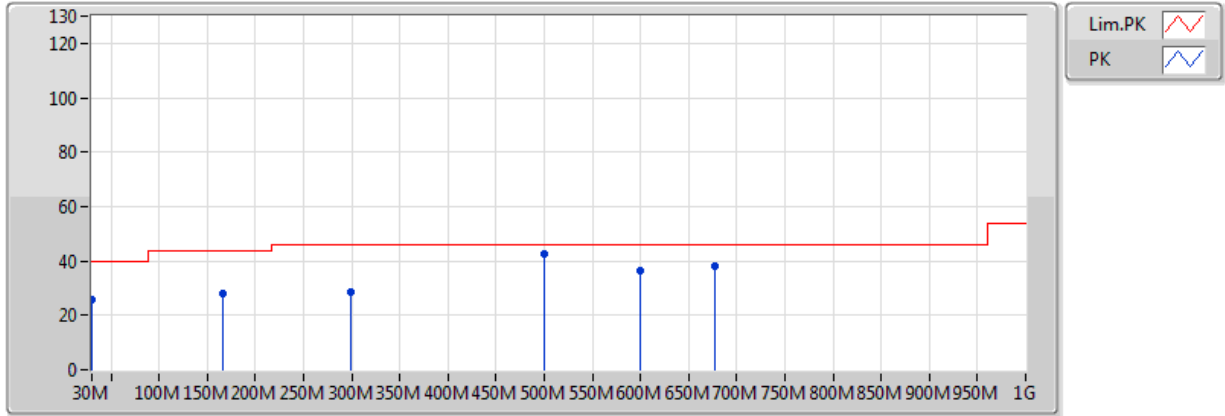


EUT=Z,ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	499.48M	42.44	46.00	-3.56	-1.33	3	V	NaN	NaN	-
PK	47.46M	27.07	40.00	-12.93	-12.31	3	V	NaN	NaN	-
PK	165.8M	26.24	43.50	-17.26	-10.03	3	V	NaN	NaN	-
PK	299.66M	27.36	46.00	-18.64	-5.49	3	V	NaN	NaN	-
PK	600.36M	38.26	46.00	-7.74	-0.22	3	V	NaN	NaN	-
PK	677.96M	37.91	46.00	-8.09	0.40	3	V	NaN	NaN	-

802.11a_Nss1_4TX

5240MHz_2.4G HT20 20 1 (M0) 4 2437



EUT=Z,ANT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
QP	499.48M	42.85	46.00	-3.15	-1.33	3	H	NaN	NaN	-
PK	30M	25.98	40.00	-14.02	-4.59	3	H	NaN	NaN	-
PK	165.8M	27.94	43.50	-15.56	-10.03	3	H	NaN	NaN	-
PK	299.66M	28.38	46.00	-17.62	-5.49	3	H	NaN	NaN	-
PK	600.36M	36.15	46.00	-9.85	-0.22	3	H	NaN	NaN	-
PK	677.96M	38.00	46.00	-8.00	0.40	3	H	NaN	NaN	-