



FCC Test Report

Equipment : 2T2R 802.11b/g/n/ac Module
Brand Name : AboCom
Model No. : AM7520
FCC ID : MQ4AM7520
Standard : 47 CFR FCC Part 15.247
Operating Band : 2400 MHz – 2483.5 MHz
FCC Classification : DTS
Function : ☒ Point-to-multipoint; ☐ Point-to-point
Applicant : Abocom Systems, Inc.
No.77, Yu-Yih Rd., Chu-Nan, Miao-Lih County 35059,
Taiwan R.O.C.
Manufacturer : Abocom Systems, Inc.
No.77, Yu-Yih Rd., Chu-Nan, Miao-Lih County 35059,
Taiwan R.O.C.

The product sample received on Mar. 02, 2016 and completely tested on Mar. 09, 2016. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

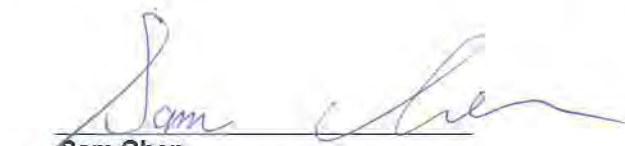

Sam Chen
SPORTON INTERNATIONAL INC.





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Summary of Test Result

Conformance Test Specifications				
Report Clause	Ref. Std. Clause	Description	Limit	Result
1.1.2	15.203	Antenna Requirement	FCC 15.203	Complied
3.1	15.207	AC Power-line Conducted Emissions	FCC 15.207	Complied
3.2	15.247(a)	DTS Bandwidth	≥500kHz	Complied
3.3	15.247(b)	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: > 30 dBc	Complied
3.6	15.247(d)	Emissions in Restricted Frequency Bands	Restricted Bands: FCC 15.209	Complied



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FCC ID: MQ4AM7520

1 General Description

1.1 Information

1.1.1 RF General Information

Band	Mode	BWch (MHz)	Nss-Min	Nant
2.4G	11b	20	1	1
2.4G	11g	20	1	1
2.4G	HT20	20	2,(M8-15)	2
2.4G	HT40	40	2,(M8-15)	2

Note:

- 2.4G is the 2.4GHz Band (2.4-2.4835GHz).
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- BWch is the nominal channel bandwidth.
- Nss-Min is the minimum number of spatial streams.
- Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	
					2.4GHz	5GHz
1	WHA YU	SRF20152371	Printed Antenna	N/A	-1.5	2.2
2	WHA YU	SRF20152371	Printed Antenna	N/A	-0.9	1.3

Note:

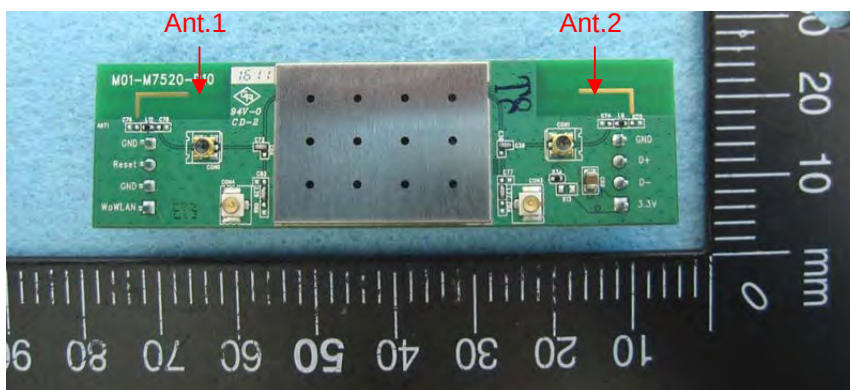
The EUT has two antennas.

For IEEE 802.11a/b/g mode (1TX/1RX):

Only Ant. 1 can be used as transmitting/receiving antenna.

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

Both Ant. 1 and Ant. 2 could transmit/receive simultaneously.



1.1.3 Mode Test Duty Cycle

Mode	DC	T(s)	VBW(Hz) $\geq 1/T$
11b	1	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
11g	1	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
HT20	1	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
HT40	1	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)

1.1.4 EUT Operational Condition

EUT Power Type	From Host System		
Beamforming Function	☐	With beamforming	☒ Without beamforming

1.2 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ◆ 47 CFR FCC Part 15
- ◆ ANSI C63.10-2013
- ◆ FCC KDB 558074 D01 v03r04
- ◆ FCC KDB 662911 D01 v02r01

1.3 Testing Location Information

Testing Location		
☐	HWA YA	ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL : 886-3-327-3456 FAX : 886-3-318-0055
☒	JHUBEI	ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065 FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Eddie Weng	25°C / 69%	09/03/2016
Radiated	03CH01-CB	Charlie Cheng	25.7°C / 69%	08/03/2016
AC Conduction	CO01-CB	Da Deng	24°C / 55%	09/03/2016

Test site Designation No. TW0006 with FCC.

Test site registered number IC 4086D with Industry Canada.

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Band	Mode	BWch (MHz)	Nss-Min	Nant	Ch. (MHz)	Range	Power Setting
2.4G	11b	20	1	1	2412	L	34
2.4G	11b	20	1	1	2437	M	40
2.4G	11b	20	1	1	2462	H	44
2.4G	11g	20	1	1	2412	L	57
2.4G	11g	20	1	1	2437	M	63
2.4G	11g	20	1	1	2462	H	50
2.4G	HT20	20	2,(M8-15)	2	2412	L	53/52
2.4G	HT20	20	2,(M8-15)	2	2437	M	61/63
2.4G	HT20	20	2,(M8-15)	2	2462	H	47/48
2.4G	HT40	40	2,(M8-15)	2	2422	L	50/50
2.4G	HT40	40	2,(M8-15)	2	2437	M	55/55
2.4G	HT40	40	2,(M8-15)	2	2452	H	50/51

Abbreviation Explanation

Band	Mode	BWch (MHz)	Nss-Min	Nant	Ch. (MHz)	Range	Test Cond.	Abbreviation
2.4G	HT20	20	1,(M0-15)	2	2412	L	TN,VN	2.4G;HT20;20;1,(M0-15);2;2412;L;TN,VN
2.4G	HT40	40	1,(M0-15)	2	2437	M	TN,VN	2.4G;HT40;40;1,(M0-15);2;2437;M;TN,VN

Note:

- ♦ Test range channel consist of L (Low Ch.), M (Middle Ch.), H (High Ch.).

2.2 The Worst Case Measurement Configuration

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth, Fundamental Emission 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	Normal Link
1	Normal Link-2.4GHz
2	Normal Link-5GHz
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
1	The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at X axis. So the measurement will follow this same test configuration.

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

N/A

2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	AP	Planex	GW-AP54SGX	KA220030603014-1
2	NB	DELL	E6430	DoC
3	Mouse	Logitech	M-U0026	DoC
4	Earphone	SHYARO CHI	MIC-04	N/A
5	Fixture	Abocom	AM7221T-X10	N/A

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

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	AP	Netgear	R6300V2	PY313200227
2	NB	DELL	E4300	DoC
3	Mouse	HP	FM100	DoC
4	Earphone	e-Power	S90W	N/A
5	Fixture	Abocom	AM7221T-X10	N/A

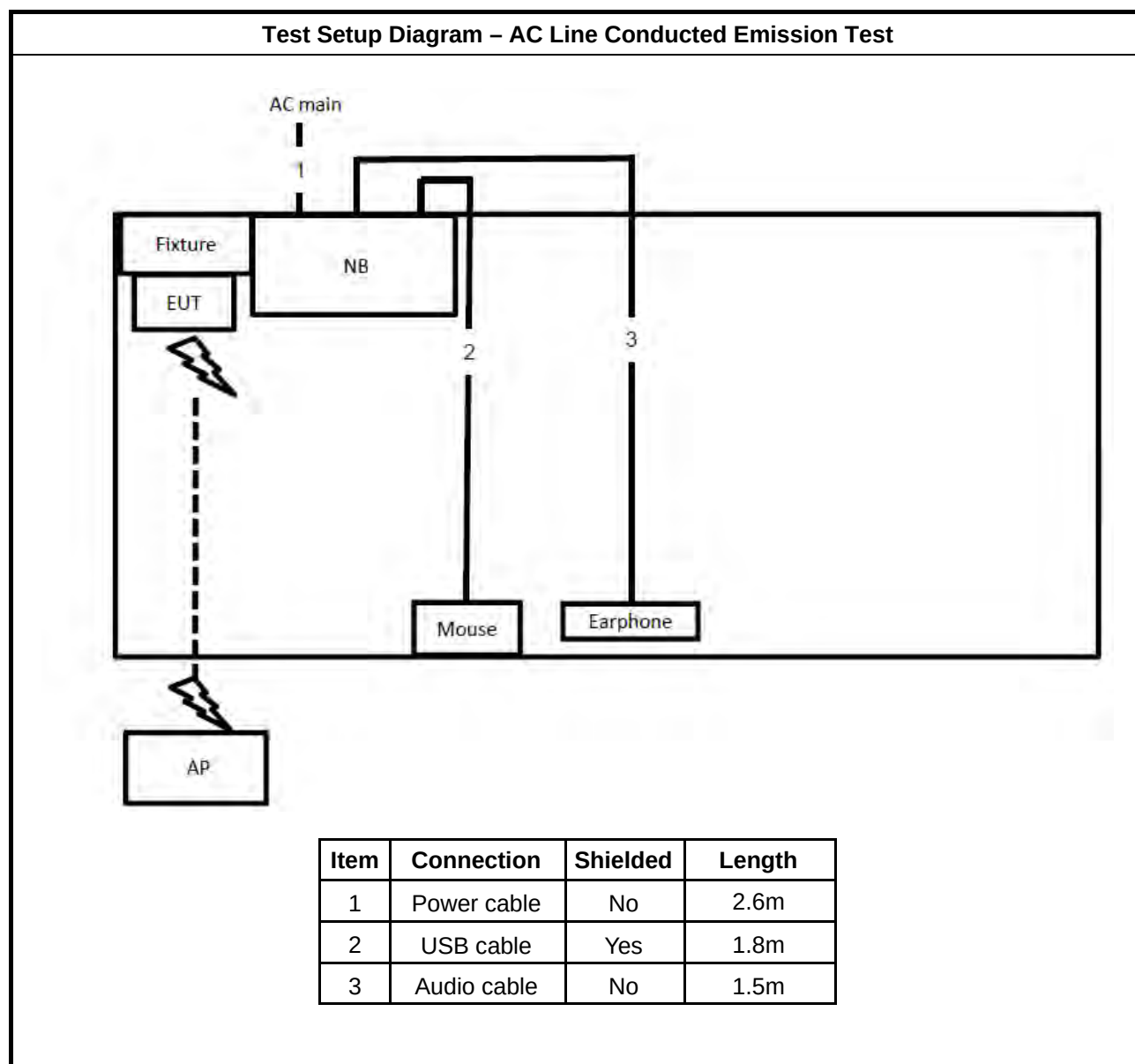
For Test Site No: 03CH01-CB (above 1GHz)

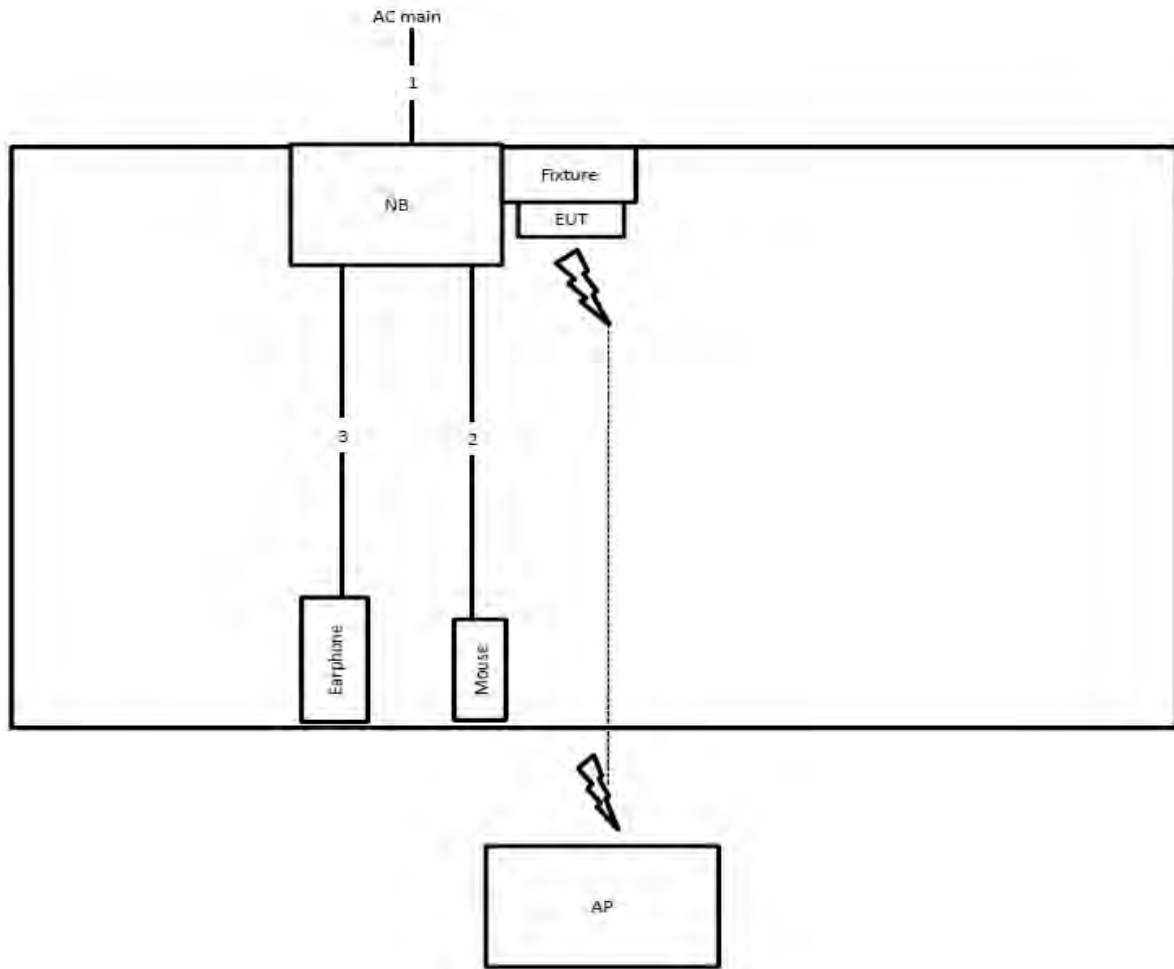
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC
2	Fixture	Abocom	AM7221T-X10	N/A

For Test Site No: TH01-CB

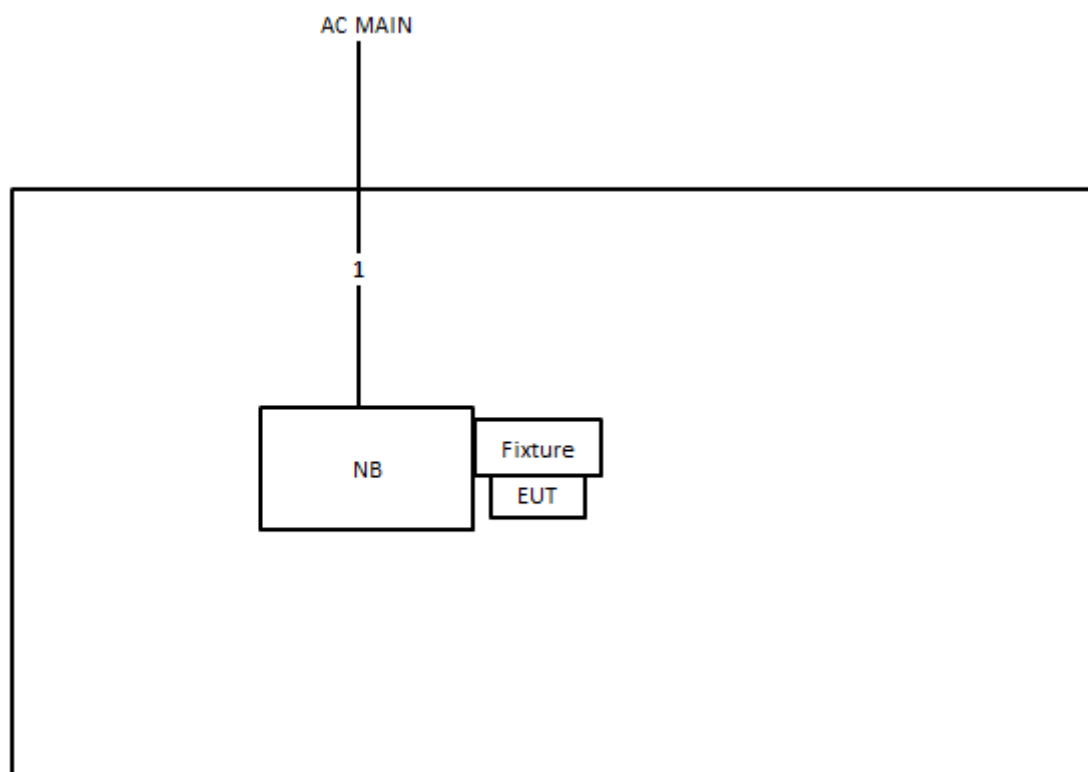
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC
2	Fixture	Abocom	AM7221T-X10	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	Power cable	No	2.6m
2	USB cable	Yes	1.8m
3	Audio cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz


Item	Connection	Shielded	Length
1	Power cable	No	2.6m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

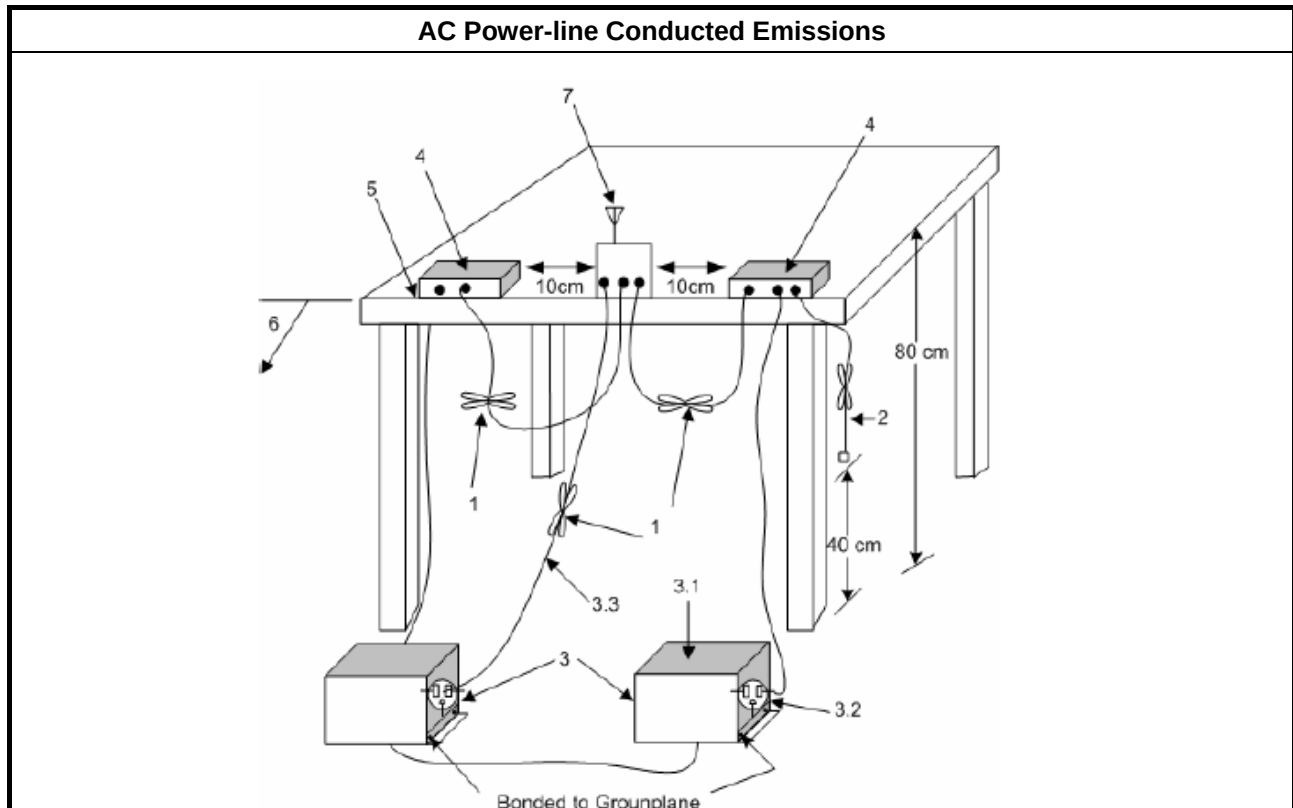
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup





3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix B

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit	
Systems using digital modulation techniques:	
▪	6 dB bandwidth $\geq$ 500 kHz.

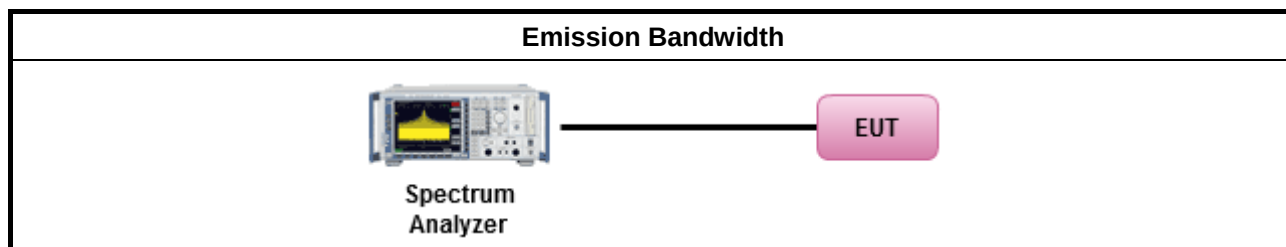
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
☒	Refer as FCC KDB 558074 D01 v03r04, clause 8.1 Option 1 for 6 dB bandwidth measurement.
☐	Refer as FCC KDB 558074 D01 v03r04, clause 8.2 Option 2 for 6 dB bandwidth measurement.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix C

3.3 Fundamental Emission Output Power

3.3.1 Fundamental Emission Output Power Limit

Maximum Conducted Output Power Limit	
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	▪ Smart antenna system (SAS):
	- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

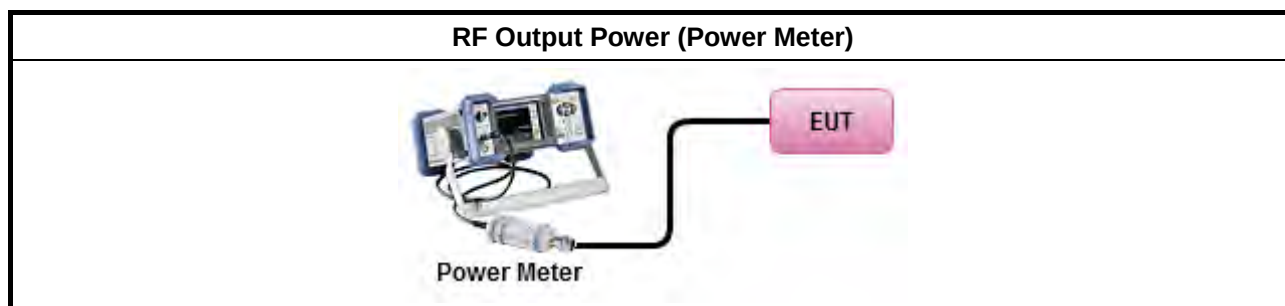
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as FCC KDB 558074 D01 v03r04, clause 9.1.1 Option 1 (RBW ≥ EBW method).
☐	Refer as FCC KDB 558074 D01 v03r04, clause 9.1.2 Option 2 (peak power meter for VBW ≥ DTS BW)
Maximum Conducted Output Power	
[duty cycle ≥ 98% or external video / power trigger]	
☐	Refer as FCC KDB 558074 D01 v03r04, clause 9.2.2.2 Method AVGSA-1 (spectral trace averaging).
☐	Refer as FCC KDB 558074 D01 v03r04, clause 9.2.2.3 Method AVGSA-1 Alt. (slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
☐	Refer as FCC KDB 558074 D01 v03r04, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
☐	Refer as FCC KDB 558074 D01 v03r04, clause 9.2.2.5 Method AVGSA-2 Alt. (slow sweep speed)
RF power meter and average over on/off periods with duty factor or gated trigger	
☒	Refer as FCC KDB 558074 D01 v03r04, clause 9.2.3 Method AVGPM-G (using an RF average power meter).
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (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 D

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit
Power Spectral Density (PSD) ≤ 8 dBm/3kHz

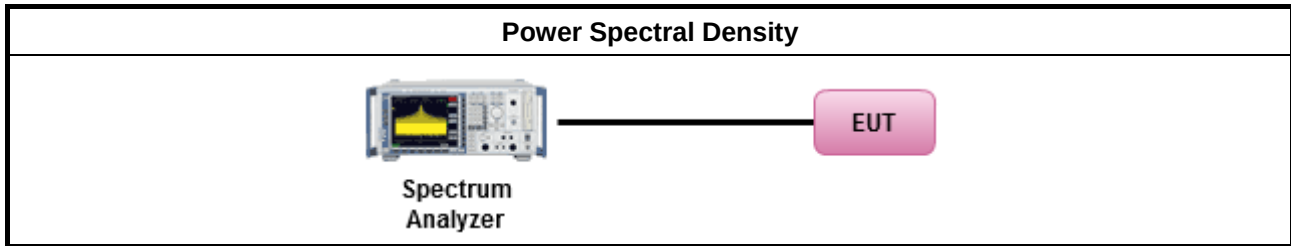
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).	
☒	Refer as FCC KDB 558074 D01 v03r04, clause 10.2 Method PKPSD (RBW=3-100kHz; Detector=peak).
[duty cycle $\geq 98\%$ or external video / power trigger]	
☐	Refer as FCC KDB 558074 D01 v03r04, clause 10.3 Method AVGPS-1 (spectral trace averaging).
☐	Refer as FCC KDB 558074 D01 v03r04, clause 10.4 Method AVGPS-2 (slow sweep speed)
duty cycle $< 98\%$ and average over on/off periods with duty factor	
☐	Refer as FCC KDB 558074 D01 v03r04, clause 10.5 Method AVGPS-1 Alt (spectral trace averaging).
☐	Refer as FCC KDB 558074 D01 v03r04, clause 10.6 Method AVGPS-2 Alt. (slow sweep speed)
For conducted measurement.	
If The EUT supports multiple transmit chains using options given below:	
☒	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
☐	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
☐	Option 3: Measure and add $10 \log(N)$ dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with $10 \log(N)$. Or each transmit chains shall be add $10 \log(N)$ to compared with the limit.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix E

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.	

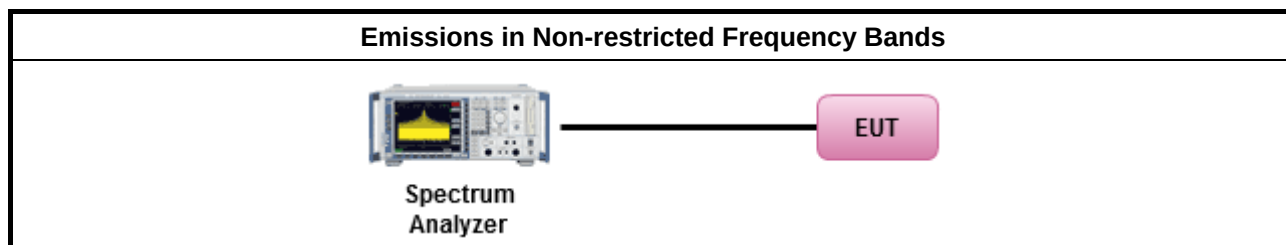
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
Refer as FCC KDB 558074 D01 v03r04, 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 F

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

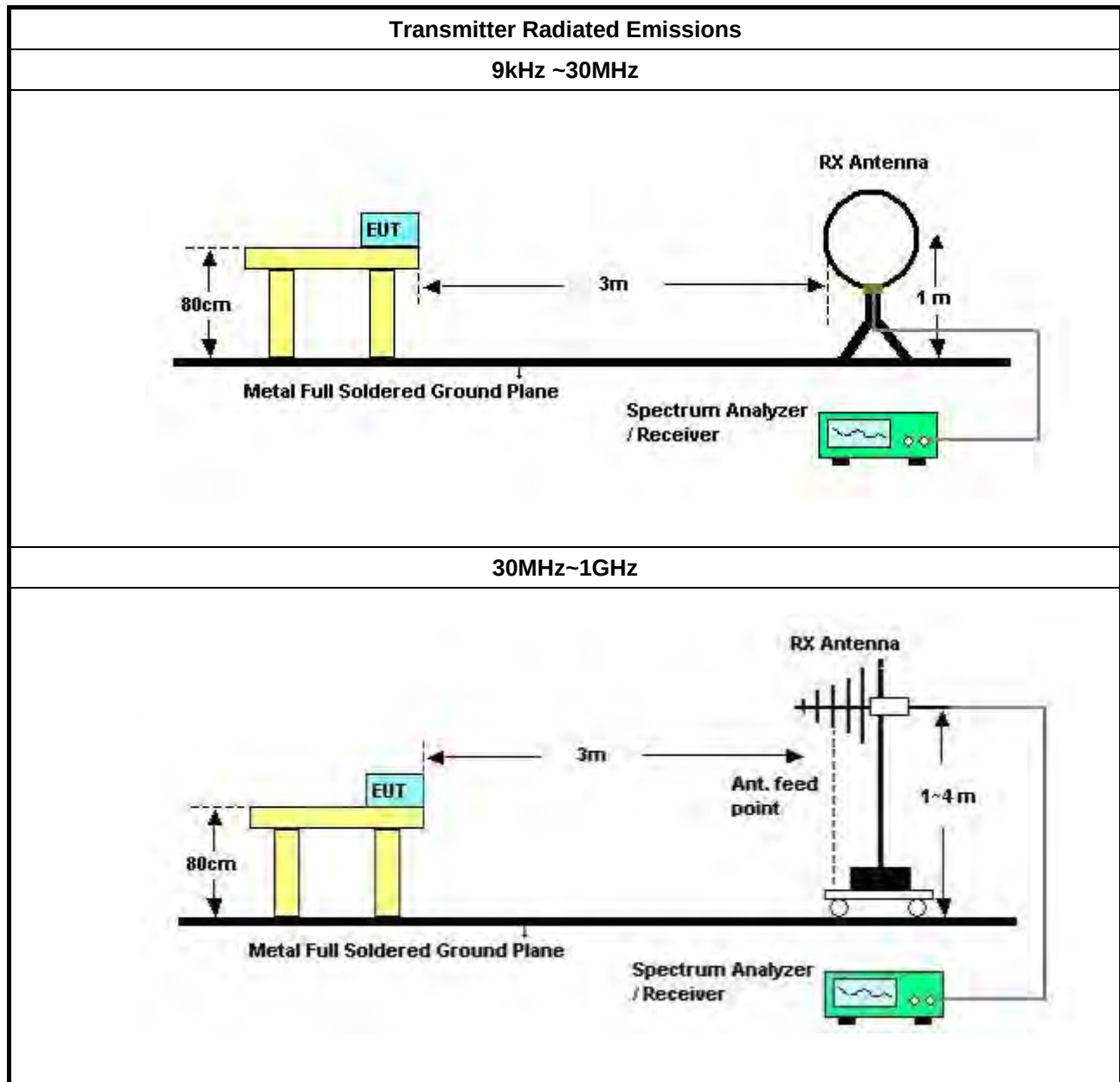
3.6.2 Measuring Instruments

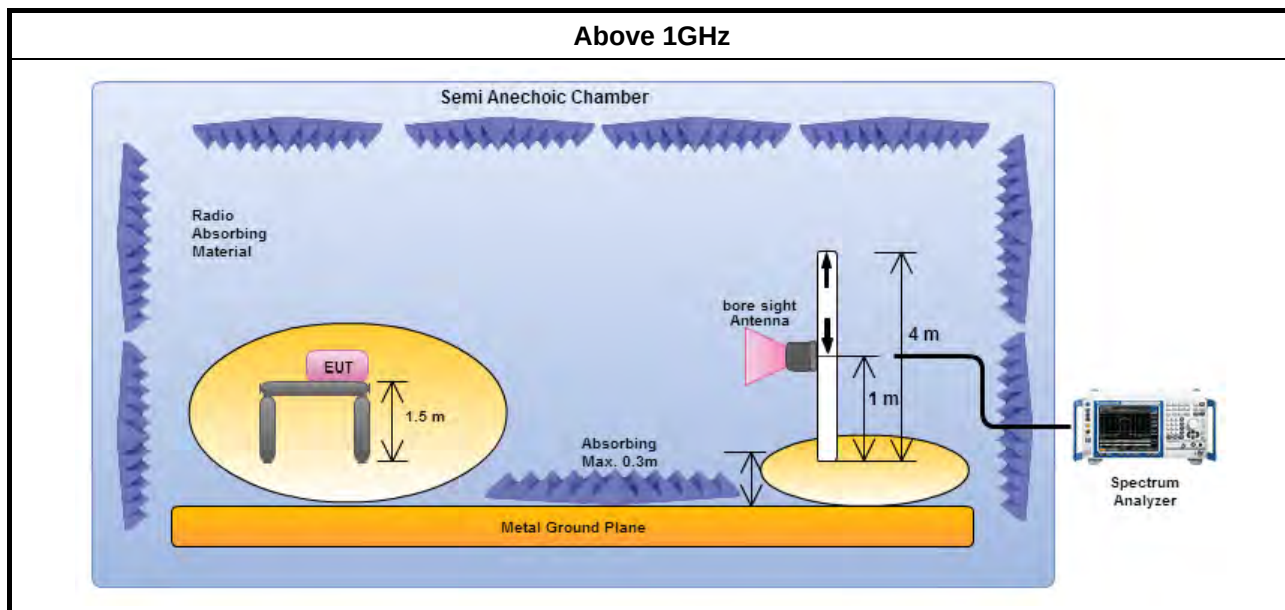
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method	
The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.9.2.2 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted emissions shall be measured using following options below:	
Refer as FCC KDB 558074 D01 v03r04, clause 12 for unwanted emissions into restricted bands.	☐ Refer as FCC KDB 558074 D01 v03r04, clause 12.2.5.1 Option 1 (trace averaging for duty cycle $\geq 98\%$)
	☐ Refer as FCC KDB 558074 D01 v03r04, clause 12.2.5.2 Option 2 (trace averaging + duty factor).
	☒ Refer as FCC KDB 558074 D01 v03r04, clause 12.2.5.3 Option 3 (Reduced VBW $\geq 1/T$).
	☐ Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW $\geq 1/T$, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
	☒ Refer as FCC KDB 558074 D01 v03r04, clause 12.2.4 measurement procedure peak limit.
For the transmitter band-edge emissions shall be measured using following options below:	
Refer as FCC KDB 558074 D01 v03r04 clause 13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.	Refer as FCC KDB 558074 D01 v03r04, clause 13.2 (ANSI C63.10, clause 6.9.3) for marker-delta method for band-edge measurements.
	Refer as FCC KDB 558074 D01 v03r04, clause 13.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
For conducted and cabinet radiation measurement, refer as FCC KDB 558074 D01 v03r04, clause 12.2.2.	
For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add $10 \log(N)$ dB	
	For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

3.6.4 Test Setup





3.6.5 Transmitter Radiated Unwanted Emissions (Below 30MHz)

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

3.6.6 Test Result of Transmitter Radiated Unwanted Emissions

Refer as Appendix G

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMI Test Receiver	R&S	ESCS 30	100355	9kHz ~ 2.75GHz	Apr. 22, 2015	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 08, 2015	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 23, 2015	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 25, 2015	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA	Schaffner	CBL6112D	37880	20MHz ~ 2GHz	Sep. 03, 2015	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Oct. 22, 2015	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2015	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10991	0.1MHz ~ 1.3GHz	Mar. 15, 2016	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 18, 2016	Radiation (03CH01-CB)
Pre-Amplifier	WM	TF-130N-R1	923365	26GHz ~ 40GHz	Nov.13, 2015	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Oct. 27, 2015	Radiation (03CH01-CB)
EMI Receiver	Agilent	N9038A	MY52260123	9kHz ~ 8.4GHz	Jan. 27, 2016	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-1	N/A	30 MHz ~ 1 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-17	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-1	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-2	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 12, 2015*	Radiation (10CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 09, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz ~ 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz ~ 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz ~ 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz ~ 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)



FCC Test Report

Report No. : FR630217AA

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 02, 2015	Conducted (TH01-CB)

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

“*” Calibration Interval of instruments listed above is two years.

NCR means Non-Calibration required.



AC Power-line Conducted Emissions Result																																																																																																																																						
Operating Mode	2			Power Phase		Neutral																																																																																																																																
Operating Function	Normal Link																																																																																																																																					
Level (dBuV) Date: 2016-03-09 Time: 16:31:58																																																																																																																																						
<table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level Factor</th><th>Loss</th><th>Pol/Phase</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><tr><td>1</td><td>0.1516</td><td>38.03</td><td>-17.88</td><td>55.91</td><td>27.99</td><td>10.02</td><td>0.02 NEUTRAL</td><td>Average</td></tr><tr><td>2</td><td>0.1516</td><td>54.88</td><td>-11.03</td><td>65.91</td><td>44.84</td><td>10.02</td><td>0.02 NEUTRAL</td><td>QP</td></tr><tr><td>3</td><td>0.1685</td><td>34.58</td><td>-20.45</td><td>55.03</td><td>24.54</td><td>10.02</td><td>0.02 NEUTRAL</td><td>Average</td></tr><tr><td>4</td><td>0.1685</td><td>50.69</td><td>-14.34</td><td>65.03</td><td>40.65</td><td>10.02</td><td>0.02 NEUTRAL</td><td>QP</td></tr><tr><td>5</td><td>0.2117</td><td>33.32</td><td>-19.82</td><td>53.14</td><td>23.38</td><td>9.92</td><td>0.02 NEUTRAL</td><td>Average</td></tr><tr><td>6</td><td>0.2117</td><td>44.17</td><td>-18.97</td><td>63.14</td><td>34.23</td><td>9.92</td><td>0.02 NEUTRAL</td><td>QP</td></tr><tr><td>7</td><td>0.4305</td><td>28.61</td><td>-18.63</td><td>47.24</td><td>18.65</td><td>9.92</td><td>0.04 NEUTRAL</td><td>Average</td></tr><tr><td>8</td><td>0.4305</td><td>36.59</td><td>-20.65</td><td>57.24</td><td>26.63</td><td>9.92</td><td>0.04 NEUTRAL</td><td>QP</td></tr><tr><td>9</td><td>1.7905</td><td>21.35</td><td>-24.65</td><td>46.00</td><td>11.33</td><td>9.96</td><td>0.06 NEUTRAL</td><td>Average</td></tr><tr><td>10</td><td>1.7905</td><td>25.03</td><td>-30.97</td><td>56.00</td><td>15.01</td><td>9.96</td><td>0.06 NEUTRAL</td><td>QP</td></tr><tr><td>11</td><td>16.4856</td><td>15.49</td><td>-34.51</td><td>50.00</td><td>4.98</td><td>10.25</td><td>0.26 NEUTRAL</td><td>Average</td></tr><tr><td>12</td><td>16.4856</td><td>19.49</td><td>-40.51</td><td>60.00</td><td>8.98</td><td>10.25</td><td>0.26 NEUTRAL</td><td>QP</td></tr></table>										Freq	Level	Limit	Line	Level Factor	Loss	Pol/Phase	Remark		MHz	dBuV	dB	dBuV	dBuV	dB	dB		1	0.1516	38.03	-17.88	55.91	27.99	10.02	0.02 NEUTRAL	Average	2	0.1516	54.88	-11.03	65.91	44.84	10.02	0.02 NEUTRAL	QP	3	0.1685	34.58	-20.45	55.03	24.54	10.02	0.02 NEUTRAL	Average	4	0.1685	50.69	-14.34	65.03	40.65	10.02	0.02 NEUTRAL	QP	5	0.2117	33.32	-19.82	53.14	23.38	9.92	0.02 NEUTRAL	Average	6	0.2117	44.17	-18.97	63.14	34.23	9.92	0.02 NEUTRAL	QP	7	0.4305	28.61	-18.63	47.24	18.65	9.92	0.04 NEUTRAL	Average	8	0.4305	36.59	-20.65	57.24	26.63	9.92	0.04 NEUTRAL	QP	9	1.7905	21.35	-24.65	46.00	11.33	9.96	0.06 NEUTRAL	Average	10	1.7905	25.03	-30.97	56.00	15.01	9.96	0.06 NEUTRAL	QP	11	16.4856	15.49	-34.51	50.00	4.98	10.25	0.26 NEUTRAL	Average	12	16.4856	19.49	-40.51	60.00	8.98	10.25	0.26 NEUTRAL	QP
	Freq	Level	Limit	Line	Level Factor	Loss	Pol/Phase	Remark																																																																																																																														
	MHz	dBuV	dB	dBuV	dBuV	dB	dB																																																																																																																															
1	0.1516	38.03	-17.88	55.91	27.99	10.02	0.02 NEUTRAL	Average																																																																																																																														
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11	16.4856	15.49	-34.51	50.00	4.98	10.25	0.26 NEUTRAL	Average																																																																																																																														
12	16.4856	19.49	-40.51	60.00	8.98	10.25	0.26 NEUTRAL	QP																																																																																																																														
Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit. Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)																																																																																																																																						

AC Power-line Conducted Emissions Result

Operating Mode	2	Power Phase	Line
Operating Function	Normal Link		

Level (dBuV)

Date: 2016-03-09 Time: 16:35:07

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Pol/Phase	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1508	38.03	-17.93	55.96	27.99	10.02	0.02	LINE	Average
2	0.1508	53.83	-12.13	65.96	43.79	10.02	0.02	LINE	QP
3	0.2151	31.36	-21.65	53.01	21.42	9.92	0.02	LINE	Average
4	0.2151	43.39	-19.62	63.01	33.45	9.92	0.02	LINE	QP
5	0.4397	32.30	-14.77	47.07	22.34	9.92	0.04	LINE	Average
6	0.4397	37.18	-19.89	57.07	27.22	9.92	0.04	LINE	QP
7	1.5436	21.92	-24.08	46.00	11.91	9.95	0.06	LINE	Average
8	1.5436	25.45	-30.55	56.00	15.44	9.95	0.06	LINE	QP
9	3.5843	16.21	-29.79	46.00	6.17	9.98	0.06	LINE	Average
10	3.5843	21.59	-34.41	56.00	11.55	9.98	0.06	LINE	QP
11	16.4856	16.40	-33.60	50.00	5.89	10.25	0.26	LINE	Average
12	16.4856	20.27	-39.73	60.00	9.76	10.25	0.26	LINE	QP

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)



Summary

Mode	N dB (Hz)	OBW (Hz)	ITU-Code
2.4G;11b;20;1;1	10.075M	14.993M	15M0G1D
2.4G;11g;20;1;1	16.55M	21.489M	21M5D1D
2.4G;HT20;20;2;(M8-15);2	17.75M	21.389M	21M4D1D
2.4G;HT40;40;2;(M8-15);2	36.5M	36.382M	36M4D1D



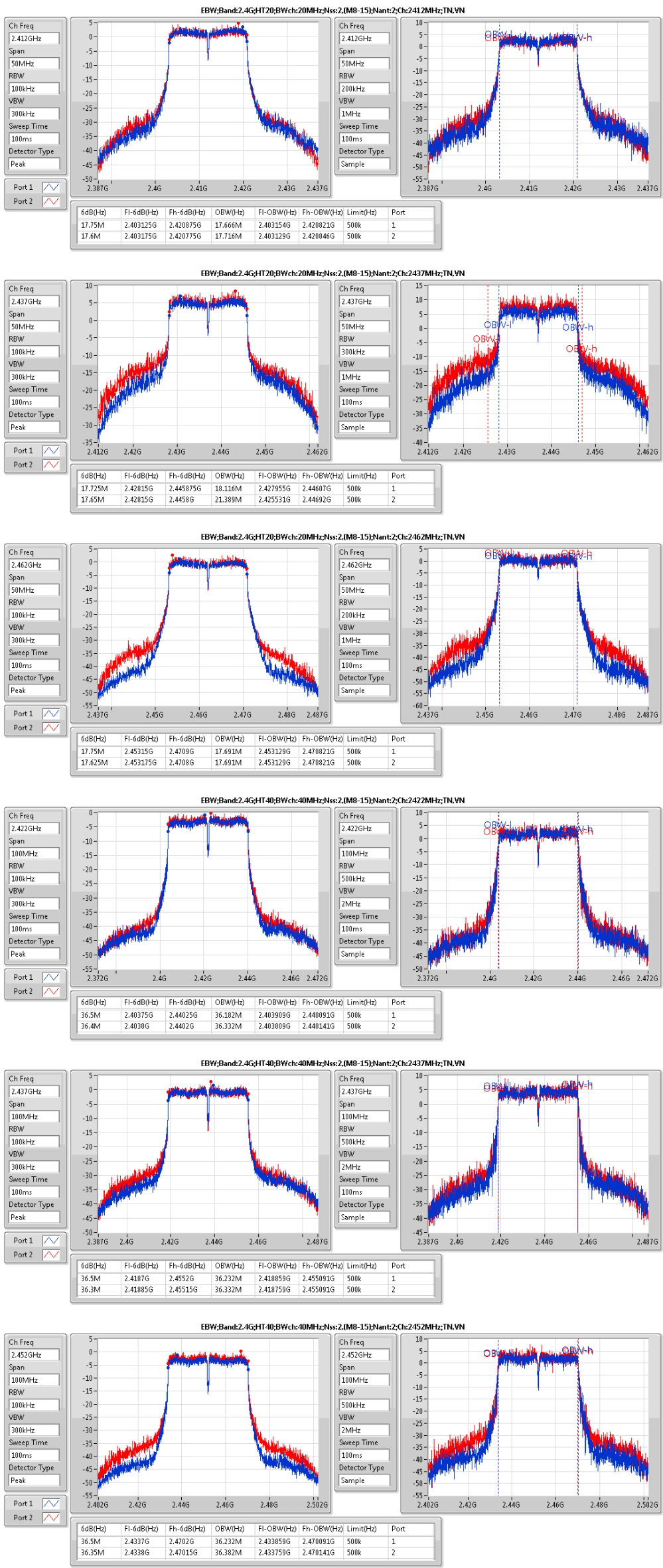
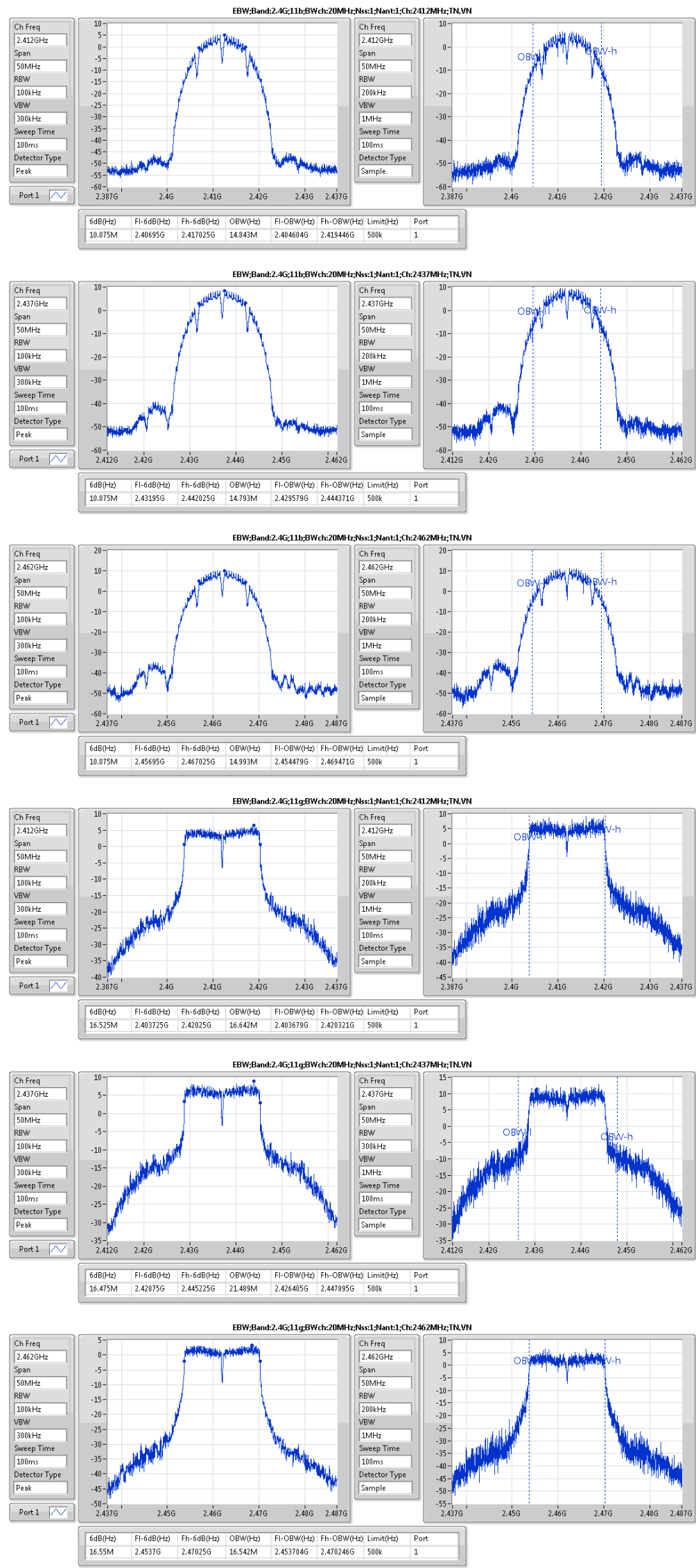
Result

Mode	Result	Limit	P1-N dB (Hz)	P1-OBW (Hz)	P2-N dB (Hz)	P2-OBW (Hz)
2.4G;11b;20;1;1;2412;L;TN,VN	Pass	500k	10.075M	14.843M		
2.4G;11b;20;1;1;2437;M;TN,VN	Pass	500k	10.075M	14.793M		
2.4G;11b;20;1;1;2462;H;TN,VN	Pass	500k	10.075M	14.993M		
2.4G;11g;20;1;1;2412;L;TN,VN	Pass	500k	16.525M	16.642M		
2.4G;11g;20;1;1;2437;M;TN,VN	Pass	500k	16.475M	21.489M		
2.4G;11g;20;1;1;2462;H;TN,VN	Pass	500k	16.55M	16.542M		
2.4G;HT20;20;2;(M8-15);2;2412;L;TN,VN	Pass	500k	17.75M	17.666M	17.6M	17.716M
2.4G;HT20;20;2;(M8-15);2;2437;M;TN,VN	Pass	500k	17.725M	18.116M	17.65M	21.389M
2.4G;HT20;20;2;(M8-15);2;2462;H;TN,VN	Pass	500k	17.75M	17.691M	17.625M	17.691M
2.4G;HT40;40;2;(M8-15);2;2422;L;TN,VN	Pass	500k	36.5M	36.182M	36.4M	36.332M
2.4G;HT40;40;2;(M8-15);2;2437;M;TN,VN	Pass	500k	36.5M	36.232M	36.3M	36.332M
2.4G;HT40;40;2;(M8-15);2;2452;H;TN,VN	Pass	500k	36.5M	36.232M	36.35M	36.382M



EBW Result

Appendix C





Summary

Mode	Sum (dBm)	Sum (W)	EIRP (dBm)	EIRP (W)
2.4G;11b;20;1;1	20.55	0.1135	19.05	0.08035
2.4G;11g;20;1;1	22.56	0.1803	21.06	0.12764
2.4G;HT20;20;2;(M8-15);2	24.31	0.26977	23.12	0.20512
2.4G;HT40;40;2;(M8-15);2	21.39	0.13772	20.20	0.10471



Result

Mode	Result	DG (dBi)	EIRP (dBm)	EIRP Lim. (dBm)	Sum (dBm)	Sum Lim. (dBm)	P1 (dBm)	P2 (dBm)
2.4G;11b;20;1;1;2412;L;TN,VN	Pass	-1.50	14.01	36.00	15.51	30.00	15.51	
2.4G;11b;20;1;1;2437;M;TN,VN	Pass	-1.50	17.30	36.00	18.80	30.00	18.80	
2.4G;11b;20;1;1;2462;H;TN,VN	Pass	-1.50	19.05	36.00	20.55	30.00	20.55	
2.4G;11g;20;1;1;2412;L;TN,VN	Pass	-1.50	18.64	36.00	20.14	30.00	20.14	
2.4G;11g;20;1;1;2437;M;TN,VN	Pass	-1.50	21.06	36.00	22.56	30.00	22.56	
2.4G;11g;20;1;1;2462;H;TN,VN	Pass	-1.50	16.17	36.00	17.67	30.00	17.67	
2.4G;HT20;20;2;(M8-15);2;2412;L;TN,VN	Pass	-1.19	19.96	36.00	21.15	30.00	18.24	18.04
2.4G;HT20;20;2;(M8-15);2;2437;M;TN,VN	Pass	-1.19	23.12	36.00	24.31	30.00	21.05	21.53
2.4G;HT20;20;2;(M8-15);2;2462;H;TN,VN	Pass	-1.19	17.78	36.00	18.97	30.00	15.80	16.12
2.4G;HT40;40;2;(M8-15);2;2422;L;TN,VN	Pass	-1.19	17.93	36.00	19.12	30.00	16.12	16.10
2.4G;HT40;40;2;(M8-15);2;2437;M;TN,VN	Pass	-1.19	20.20	36.00	21.39	30.00	18.39	18.36
2.4G;HT40;40;2;(M8-15);2;2452;H;TN,VN	Pass	-1.19	18.18	36.00	19.37	30.00	16.38	16.35



Summary

Mode	PD (dBm/RBW)	EIRP.PD (dBm/RBW)
2.4G;11b;20;1;1	3.79	2.29
2.4G;11g;20;1;1	4.11	2.61
2.4G;HT20;20;2;(M8-15);2	6.01	4.82
2.4G;HT40;40;2;(M8-15);2	-0.92	-2.11



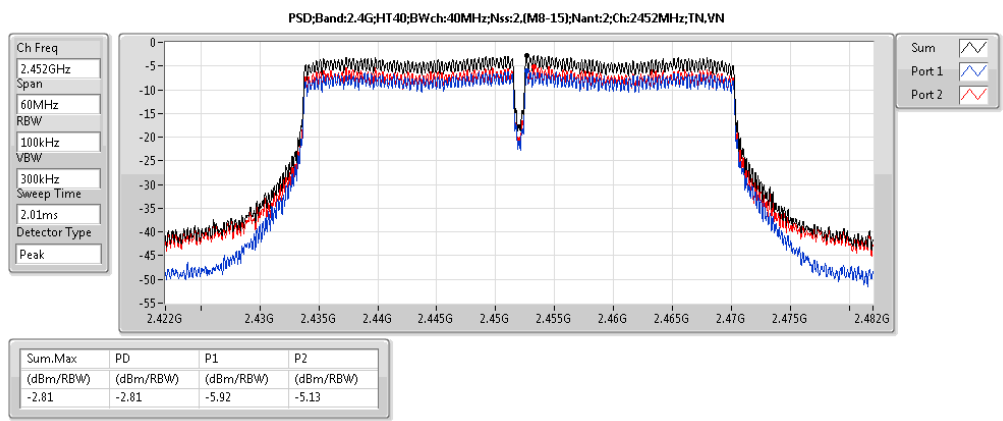
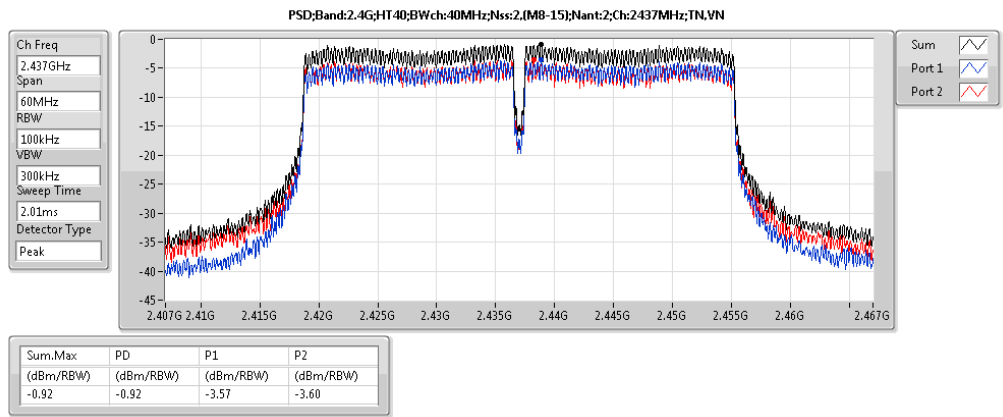
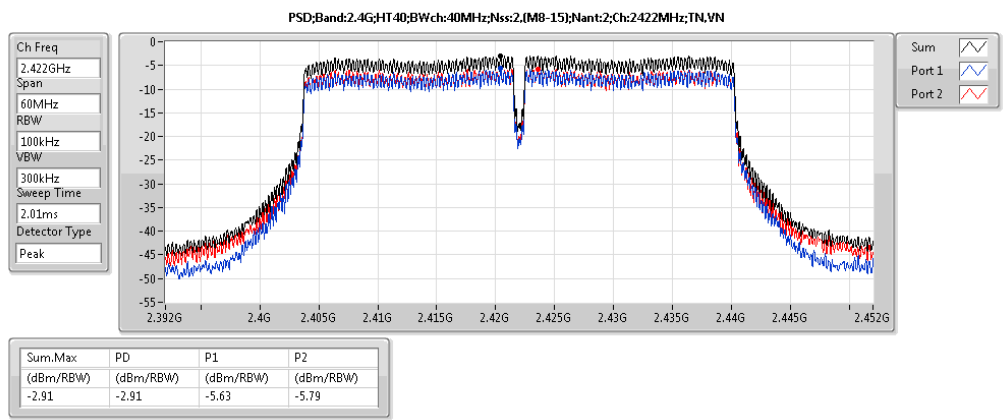
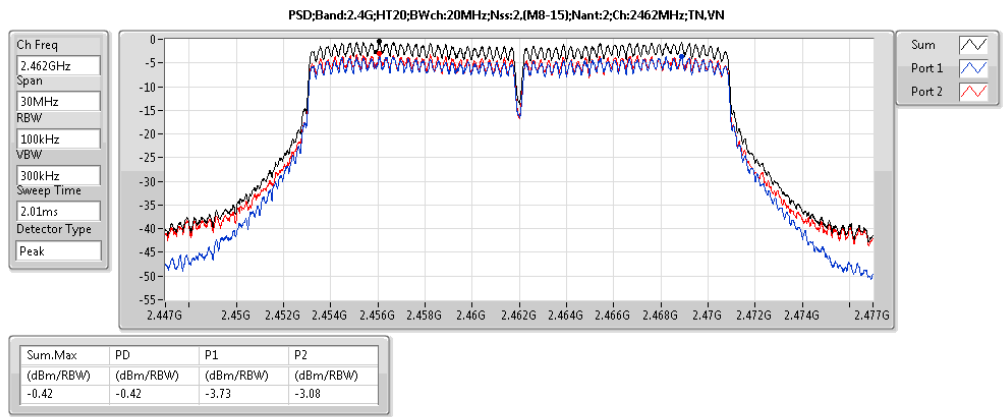
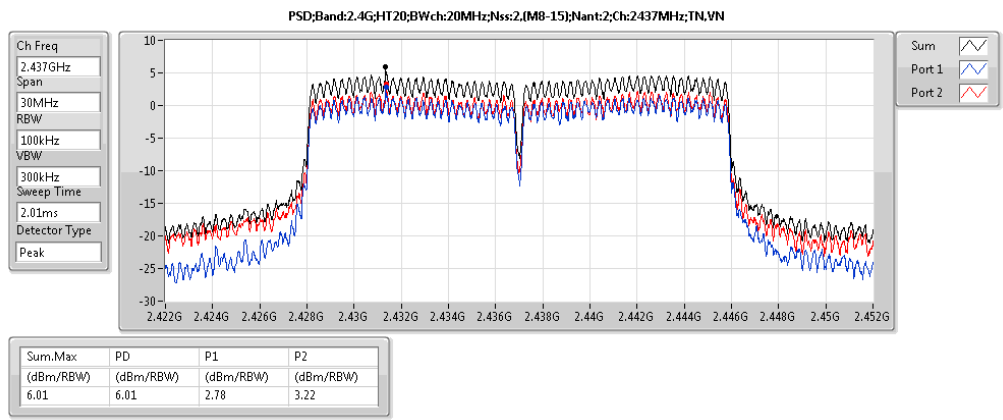
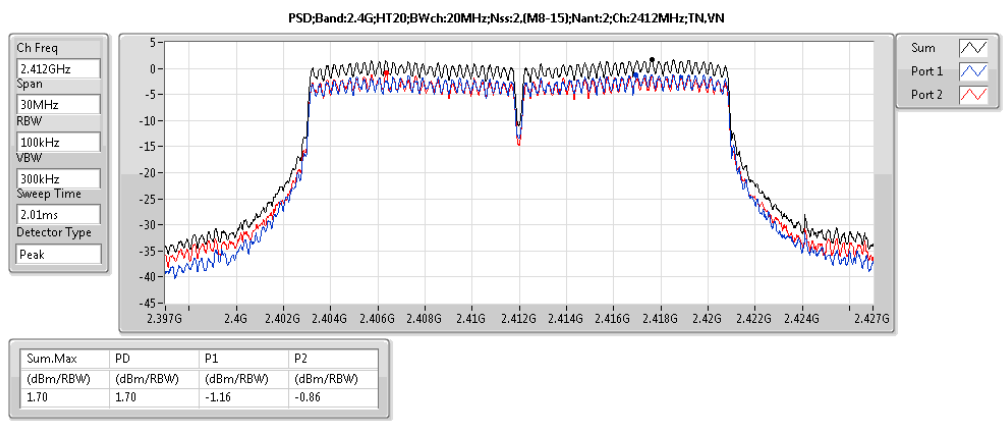
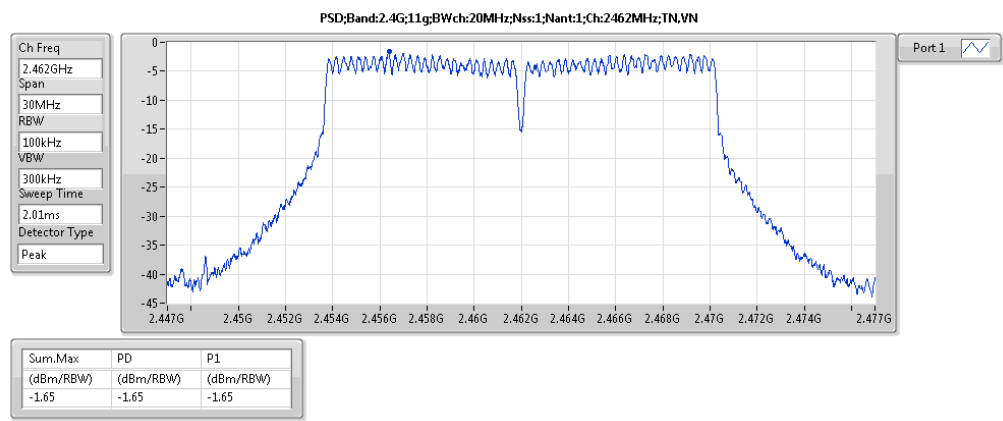
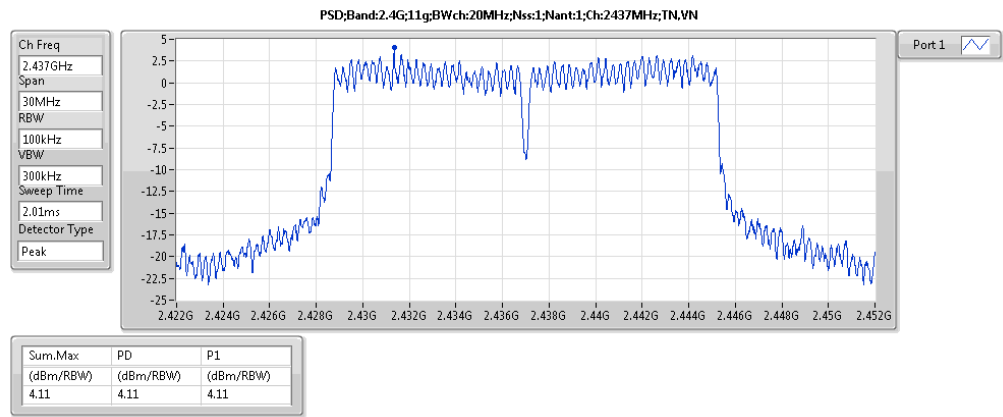
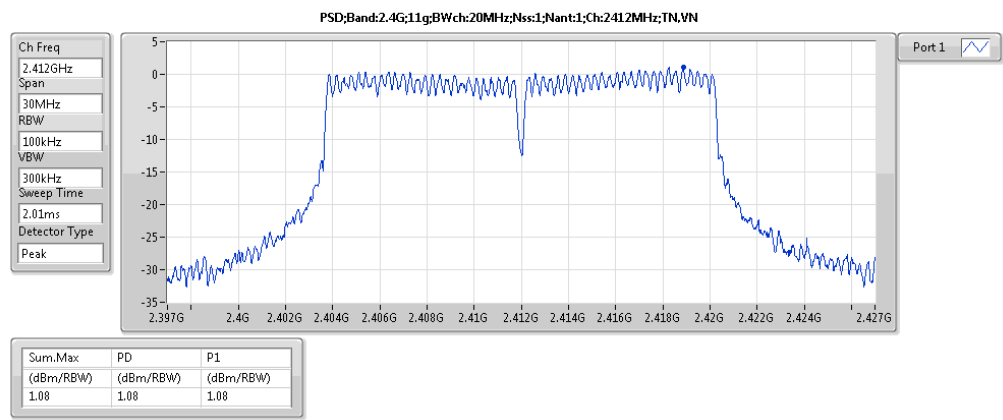
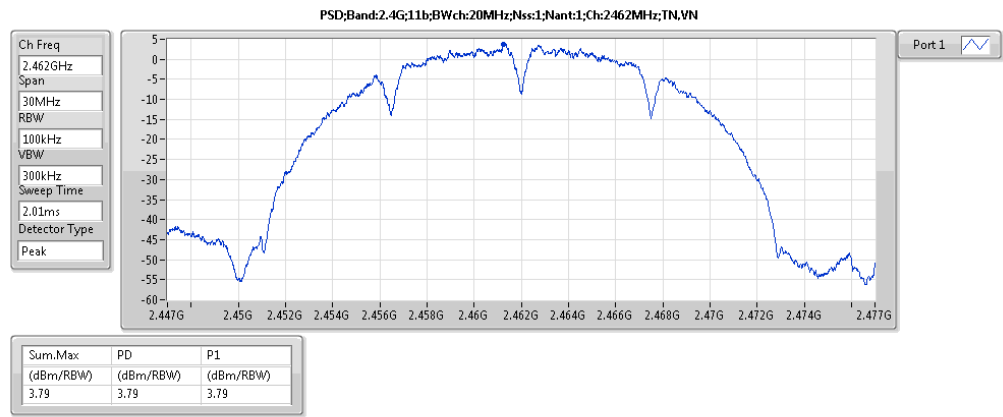
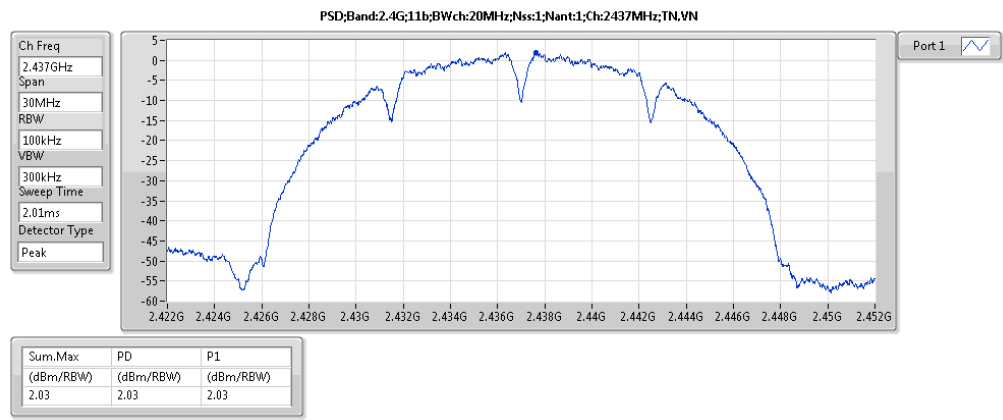
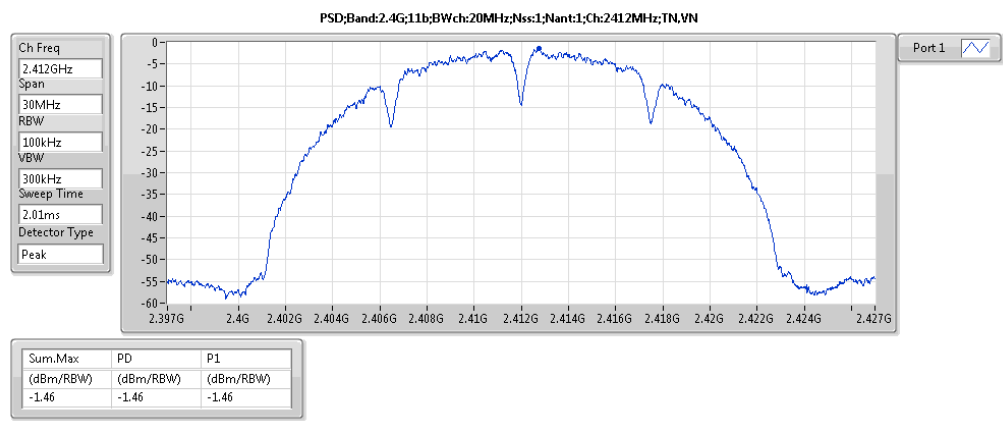
Result

Mode	Result	Meas.RBW (Hz)	Lim.RBW (Hz)	BWCF (dB)	DG (dBi)	Sum.Max (dBm/RBW)	PD (dBm/RBW)	PD.Limit (dBm/RBW)	EIRP.PD (dBm/RBW)	EIRP.PD.Li m (dBm/RBW)	P1 (dBm/RBW)	P2 (dBm/RBW)
2.4G;11b;20;1;1;2412;L;TN,VN	Pass	100k	3k	0.00	-1.50	-1.46	-1.46	8.00	-2.96	Inf	-1.46	
2.4G;11b;20;1;1;2437;M;TN,VN	Pass	100k	3k	0.00	-1.50	2.03	2.03	8.00	0.53	Inf	2.03	
2.4G;11b;20;1;1;2462;H;TN,VN	Pass	100k	3k	0.00	-1.50	3.79	3.79	8.00	2.29	Inf	3.79	
2.4G;11g;20;1;1;2412;L;TN,VN	Pass	100k	3k	0.00	-1.50	1.08	1.08	8.00	-0.42	Inf	1.08	
2.4G;11g;20;1;1;2437;M;TN,VN	Pass	100k	3k	0.00	-1.50	4.11	4.11	8.00	2.61	Inf	4.11	
2.4G;11g;20;1;1;2462;H;TN,VN	Pass	100k	3k	0.00	-1.50	-1.65	-1.65	8.00	-3.15	Inf	-1.65	
2.4G;HT20;20;2;(M8-15);2;2412;L;TN,VN	Pass	100k	3k	0.00	-1.19	1.70	1.70	8.00	0.51	Inf	-1.16	-0.86
2.4G;HT20;20;2;(M8-15);2;2437;M;TN,VN	Pass	100k	3k	0.00	-1.19	6.01	6.01	8.00	4.82	Inf	2.78	3.22
2.4G;HT20;20;2;(M8-15);2;2462;H;TN,VN	Pass	100k	3k	0.00	-1.19	-0.42	-0.42	8.00	-1.61	Inf	-3.73	-3.08
2.4G;HT40;40;2;(M8-15);2;2422;L;TN,VN	Pass	100k	3k	0.00	-1.19	-2.91	-2.91	8.00	-4.10	Inf	-5.63	-5.79
2.4G;HT40;40;2;(M8-15);2;2437;M;TN,VN	Pass	100k	3k	0.00	-1.19	-0.92	-0.92	8.00	-2.11	Inf	-3.57	-3.60
2.4G;HT40;40;2;(M8-15);2;2452;H;TN,VN	Pass	100k	3k	0.00	-1.19	-2.81	-2.81	8.00	-4.00	Inf	-5.92	-5.13



PSD Result

Appendix E





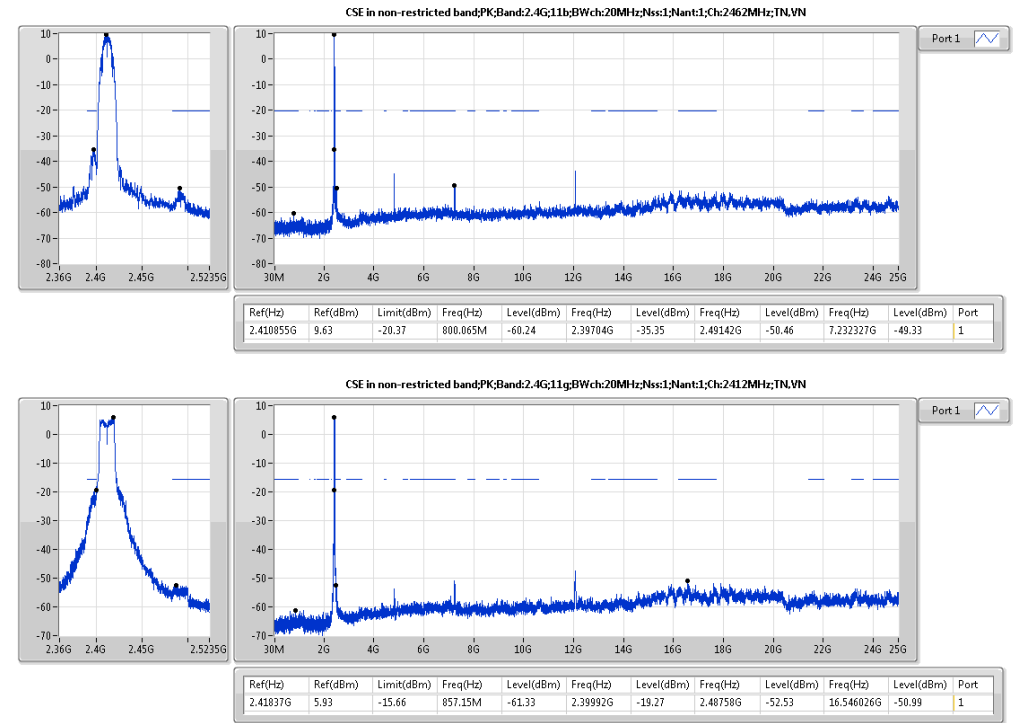
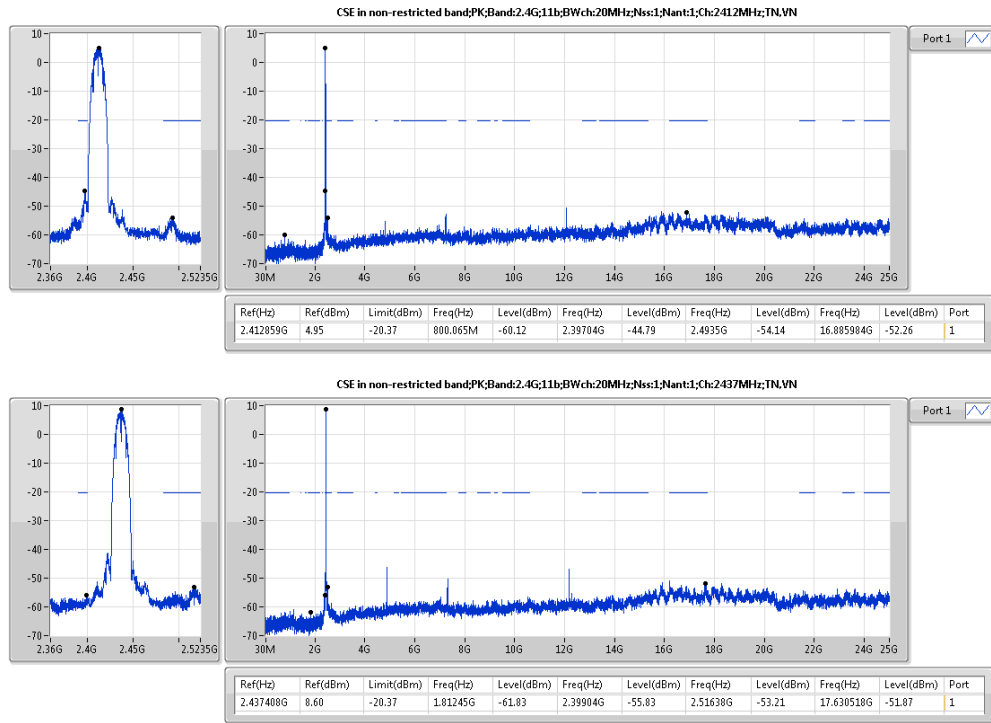
Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4G;HT20;20;2;(M8-15);2;2412;L;TN,VN	Pass	2.417535G	4.36	-23.53	639.295M	-60.20	2.39872G	-23.81	2.49638G	-51.29	16.635932G	-52.32	2



Result

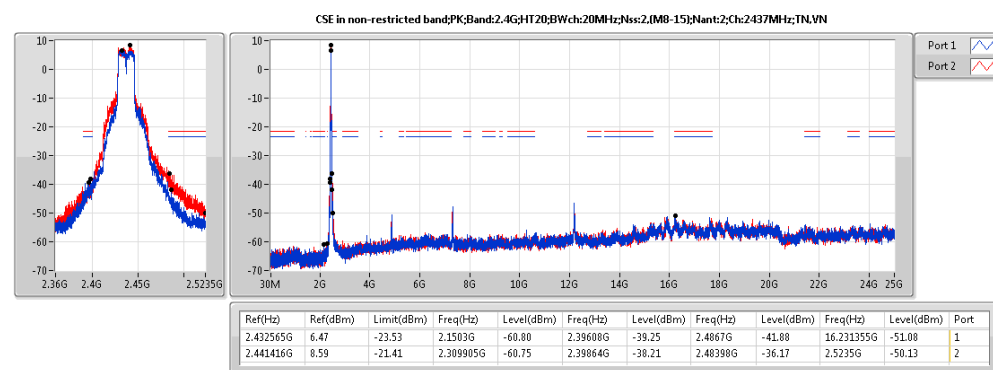
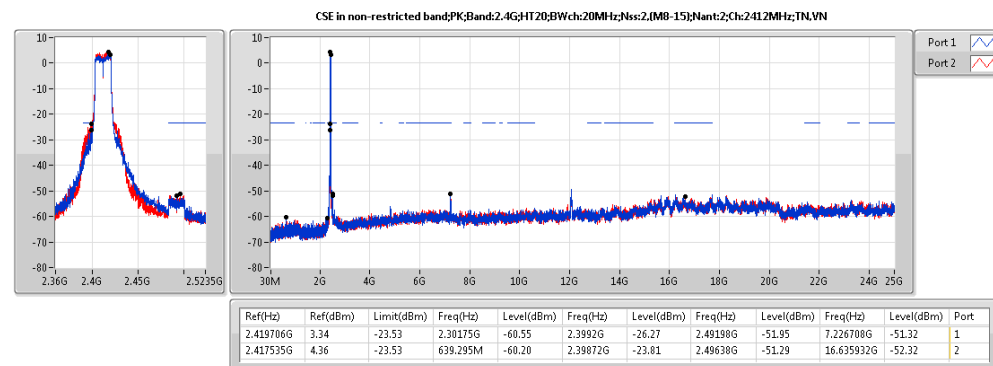
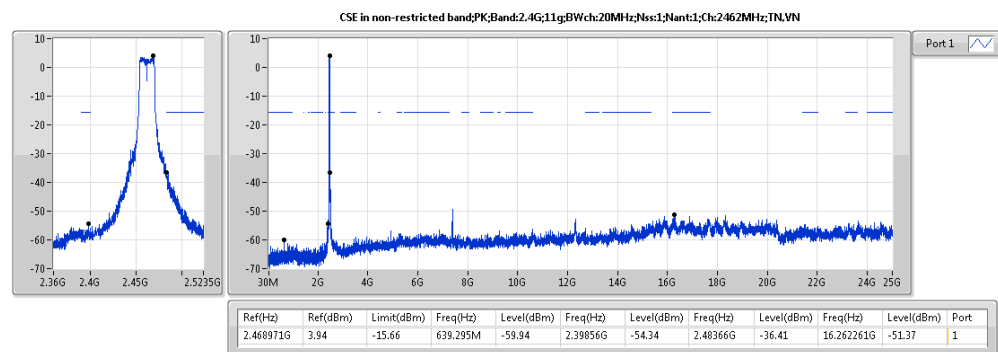
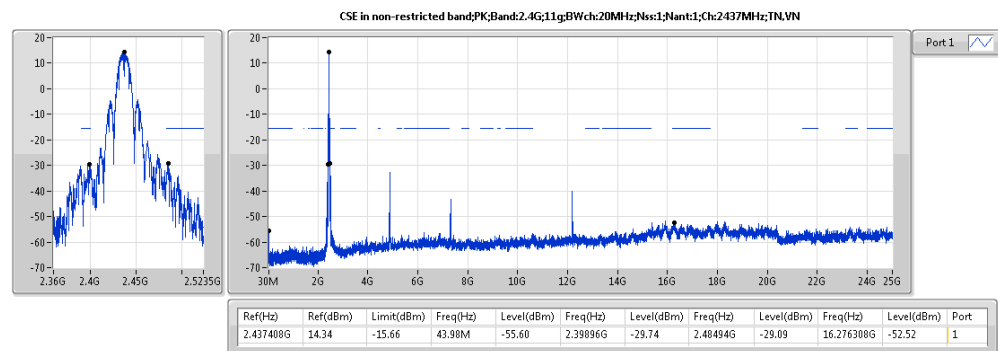
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4G;11b;20;1;1;2412;L;TN,VN	Pass	2.412859G	4.95	-20.37	800.065M	-60.12	2.39704G	-44.79	2.4935G	-54.14	16.885984G	-52.26	1
2.4G;11b;20;1;1;2437;M;TN,VN	Pass	2.437408G	8.60	-20.37	1.81245G	-61.83	2.39904G	-55.83	2.51638G	-53.21	17.630518G	-51.87	1
2.4G;11b;20;1;1;2462;H;TN,VN	Pass	2.410855G	9.63	-20.37	800.065M	-60.24	2.39704G	-35.35	2.49142G	-50.46	7.232327G	-49.33	1
2.4G;11g;20;1;1;2412;L;TN,VN	Pass	2.41837G	5.93	-15.66	857.15M	-61.33	2.39992G	-19.27	2.48758G	-52.53	16.546026G	-50.99	1
2.4G;11g;20;1;1;2437;M;TN,VN	Pass	2.437408G	14.34	-15.66	43.98M	-55.60	2.39896G	-29.74	2.48494G	-29.09	16.276308G	-52.52	1
2.4G;11g;20;1;1;2462;H;TN,VN	Pass	2.468971G	3.94	-15.66	639.295M	-59.94	2.39856G	-54.34	2.48366G	-36.41	16.262261G	-51.37	1
2.4G;HT20;20;2;(M8-15);2;2412;L;TN,VN	Pass	2.419706G	3.34	-23.53	2.30175G	-60.55	2.3992G	-26.27	2.49198G	-51.95	7.226708G	-51.32	1
2.4G;HT20;20;2;(M8-15);2;2412;L;TN,VN	Pass	2.417535G	4.36	-23.53	639.295M	-60.20	2.39872G	-23.81	2.49638G	-51.29	16.635932G	-52.32	2
2.4G;HT20;20;2;(M8-15);2;2437;M;TN,VN	Pass	2.432565G	6.47	-23.53	2.1503G	-60.80	2.39608G	-39.25	2.4867G	-41.88	16.231355G	-51.08	1
2.4G;HT20;20;2;(M8-15);2;2437;M;TN,VN	Pass	2.441416G	8.59	-21.41	2.309905G	-60.75	2.39864G	-38.21	2.48398G	-36.17	2.5235G	-50.13	2
2.4G;HT20;20;2;(M8-15);2;2462;H;TN,VN	Pass	2.456947G	1.42	-23.53	639.295M	-59.93	2.39096G	-57.31	2.48542G	-46.00	16.248213G	-51.04	1
2.4G;HT20;20;2;(M8-15);2;2462;H;TN,VN	Pass	2.45511G	2.24	-23.53	2.10836G	-60.66	2.39064G	-57.87	2.48446G	-38.77	17.622089G	-51.82	2
2.4G;HT40;40;2;(M8-15);2;2422;L;TN,VN	Pass	2.435905G	-0.86	-28.62	640.285M	-60.22	2.39984G	-31.75	2.48862G	-51.68	16.204892G	-51.89	1
2.4G;HT40;40;2;(M8-15);2;2422;L;TN,VN	Pass	2.418203G	0.08	-28.62	433.04M	-61.44	2.39952G	-31.38	2.48398G	-55.19	16.872378G	-51.86	2
2.4G;HT40;40;2;(M8-15);2;2437;M;TN,VN	Pass	2.438243G	1.38	-28.62	799.44M	-60.94	2.39792G	-34.28	2.4843G	-36.99	17.615587G	-51.68	1
2.4G;HT40;40;2;(M8-15);2;2437;M;TN,VN	Pass	2.438243G	2.41	-27.59	319.685M	-60.67	2.39584G	-28.31	2.48446G	-34.41	17.677287G	-52.38	2
2.4G;HT40;40;2;(M8-15);2;2452;H;TN,VN	Pass	2.450434G	-0.60	-28.62	640.285M	-60.27	2.39792G	-50.89	2.48606G	-37.20	17.62961G	-51.86	1
2.4G;HT40;40;2;(M8-15);2;2452;H;TN,VN	Pass	2.453273G	0.10	-28.62	668.91M	-61.79	2.39648G	-50.16	2.48382G	-30.49	16.227329G	-51.31	2





CSEndB Result

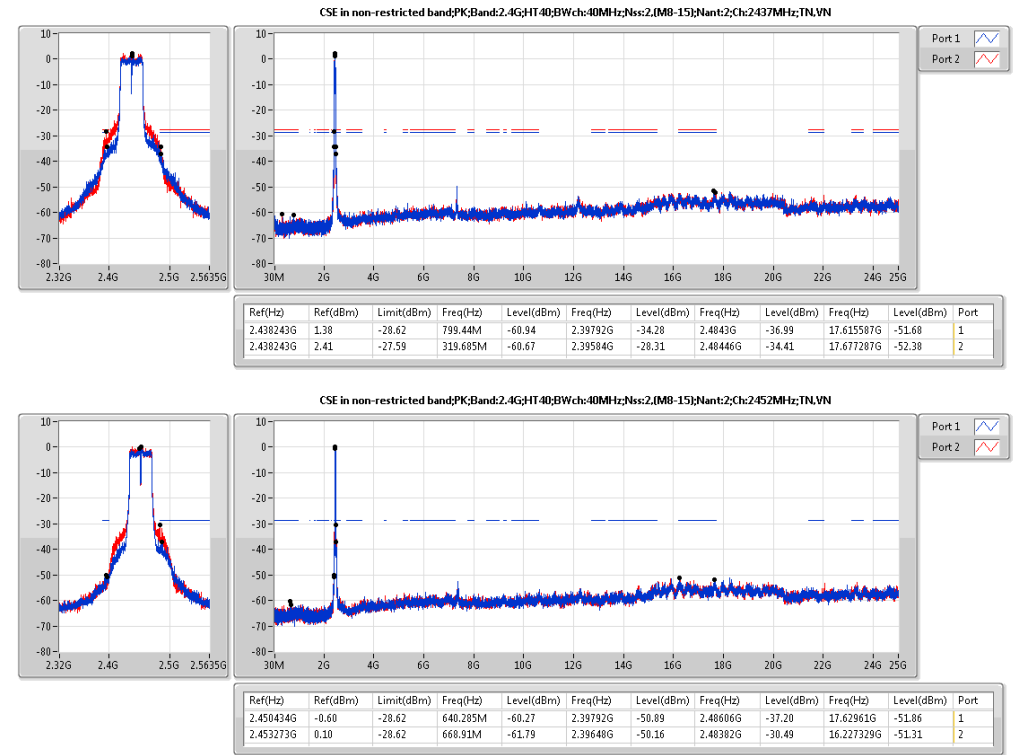
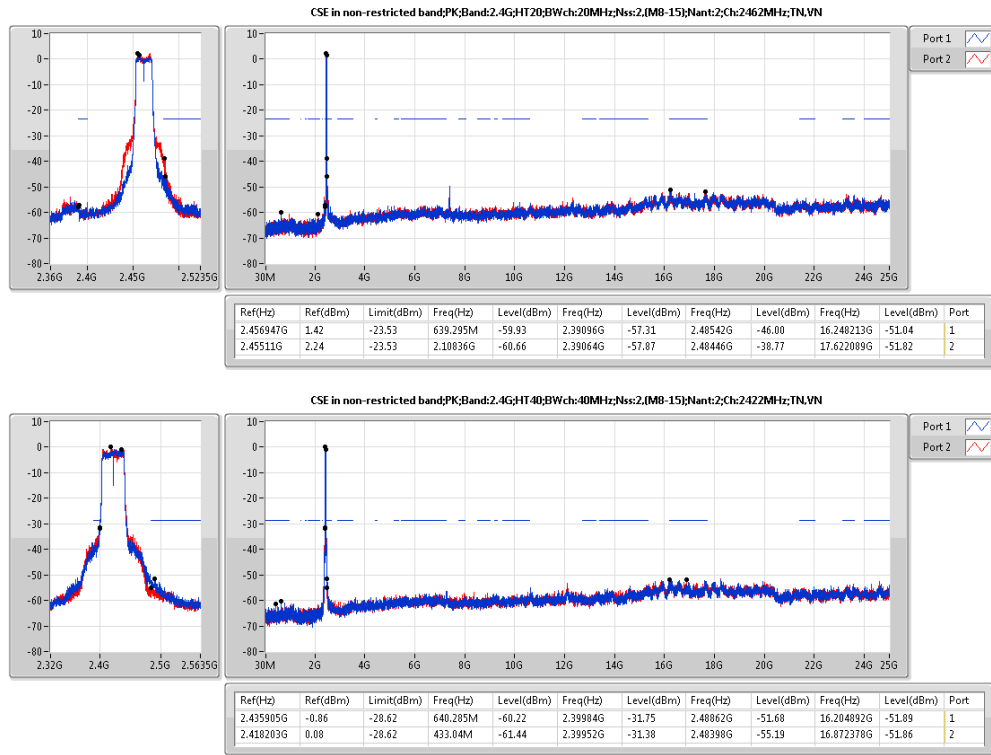
Appendix F





CSEndB Result

Appendix F





RSE below 1GHz Result																																																																																																																					
Operating Mode	2			Polarization	Horizontal																																																																																																																
Operating Function	Normal Link																																																																																																																				
Level (dBuV/m) Date: 2016-03-08 Time: 15:46:10 Trace: (Discrete) Condition: FCC CLASS-B 3m 05 1G ANT-1511 HORIZONTAL : RBW:100.000KHz VBW:300.000KHz SWT:0.500sec EUT : AM7520 mode : Normal Power : AC 110V / 60Hz Memo 5-1 : EUT Z Memo 5-2 : Link 5G : C-3 <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Over</th><th>Read</th><th>CableAntenna</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>30.97</td><td>29.25</td><td>40.00</td><td>-10.75</td><td>36.02</td><td>0.50</td><td>25.13</td><td>32.40</td><td>100</td><td>3 Peak</td><td>HORIZONTAL</td></tr><tr><td>2</td><td>68.80</td><td>34.75</td><td>40.00</td><td>-5.25</td><td>53.44</td><td>0.72</td><td>12.99</td><td>32.40</td><td>400</td><td>71 Peak</td><td>HORIZONTAL</td></tr><tr><td>3</td><td>118.27</td><td>35.03</td><td>43.50</td><td>-8.47</td><td>47.42</td><td>0.94</td><td>19.05</td><td>32.38</td><td>300</td><td>266 Peak</td><td>HORIZONTAL</td></tr><tr><td>4</td><td>275.41</td><td>42.96</td><td>46.00</td><td>-3.04</td><td>54.19</td><td>1.41</td><td>19.65</td><td>32.29</td><td>150</td><td>289 Peak</td><td>HORIZONTAL</td></tr><tr><td>5</td><td>375.32</td><td>42.34</td><td>46.00</td><td>-3.66</td><td>50.91</td><td>1.67</td><td>22.08</td><td>32.32</td><td>100</td><td>298 Peak</td><td>HORIZONTAL</td></tr><tr><td>6</td><td>464.56</td><td>41.81</td><td>46.00</td><td>-4.19</td><td>48.84</td><td>1.87</td><td>23.44</td><td>32.34</td><td>100</td><td>142 Peak</td><td>HORIZONTAL</td></tr><tr><td>7</td><td>531.49</td><td>40.03</td><td>46.00</td><td>-5.97</td><td>45.89</td><td>2.00</td><td>24.51</td><td>32.37</td><td>100</td><td>57 Peak</td><td>HORIZONTAL</td></tr></table>											Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		1	30.97	29.25	40.00	-10.75	36.02	0.50	25.13	32.40	100	3 Peak	HORIZONTAL	2	68.80	34.75	40.00	-5.25	53.44	0.72	12.99	32.40	400	71 Peak	HORIZONTAL	3	118.27	35.03	43.50	-8.47	47.42	0.94	19.05	32.38	300	266 Peak	HORIZONTAL	4	275.41	42.96	46.00	-3.04	54.19	1.41	19.65	32.29	150	289 Peak	HORIZONTAL	5	375.32	42.34	46.00	-3.66	50.91	1.67	22.08	32.32	100	298 Peak	HORIZONTAL	6	464.56	41.81	46.00	-4.19	48.84	1.87	23.44	32.34	100	142 Peak	HORIZONTAL	7	531.49	40.03	46.00	-5.97	45.89	2.00	24.51	32.37	100	57 Peak	HORIZONTAL
	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase																																																																																																										
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg																																																																																																											
1	30.97	29.25	40.00	-10.75	36.02	0.50	25.13	32.40	100	3 Peak	HORIZONTAL																																																																																																										
2	68.80	34.75	40.00	-5.25	53.44	0.72	12.99	32.40	400	71 Peak	HORIZONTAL																																																																																																										
3	118.27	35.03	43.50	-8.47	47.42	0.94	19.05	32.38	300	266 Peak	HORIZONTAL																																																																																																										
4	275.41	42.96	46.00	-3.04	54.19	1.41	19.65	32.29	150	289 Peak	HORIZONTAL																																																																																																										
5	375.32	42.34	46.00	-3.66	50.91	1.67	22.08	32.32	100	298 Peak	HORIZONTAL																																																																																																										
6	464.56	41.81	46.00	-4.19	48.84	1.87	23.44	32.34	100	142 Peak	HORIZONTAL																																																																																																										
7	531.49	40.03	46.00	-5.97	45.89	2.00	24.51	32.37	100	57 Peak	HORIZONTAL																																																																																																										
Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit. Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)																																																																																																																					

RSE below 1GHz Result											
Operating Mode	2				Power Phase				Vertical		
Operating Function	Normal Link										



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2.4G;11b;20;1;1;2437;M;TX	Pass	AV	4.873964G	53.91	54.00	-0.09	4.42	3	V	190	1.02	-



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
2.4G;11b;20;1;1;2412;L;TX	Pass	AV	2.3892G	47.07	54.00	-6.93	31.75	3	H	333	1.29	-
2.4G;11b;20;1;1;2412;L;TX	Pass	AV	2.4536G	91.59	Inf	-Inf	31.96	3	H	333	1.29	-
2.4G;11b;20;1;1;2412;L;TX	Pass	AV	2.4836G	53.40	54.00	-0.60	32.07	3	H	333	1.29	-
2.4G;11b;20;1;1;2412;L;TX	Pass	AV	4.902375G	34.86	54.00	-19.14	4.47	3	H	333	1.83	-
2.4G;11b;20;1;1;2412;L;TX	Pass	AV	7.345063G	40.15	54.00	-13.85	10.59	3	H	63	1.81	-
2.4G;11b;20;1;1;2412;L;TX	Pass	PK	2.37G	57.81	74.00	-16.19	31.69	3	H	333	1.29	-
2.4G;11b;20;1;1;2412;L;TX	Pass	PK	2.4536G	100.84	Inf	-Inf	31.96	3	H	333	1.29	-
2.4G;11b;20;1;1;2412;L;TX	Pass	PK	2.4836G	65.38	74.00	-8.62	32.07	3	H	333	1.29	-
2.4G;11b;20;1;1;2412;L;TX	Pass	PK	4.903563G	43.52	74.00	-30.48	4.48	3	H	333	1.83	-
2.4G;11b;20;1;1;2412;L;TX	Pass	PK	7.351G	49.55	74.00	-24.45	10.60	3	H	63	1.81	-
2.4G;11b;20;1;1;2412;L;TX	Pass	AV	2.388G	47.06	54.00	-6.94	31.74	3	V	40	1.06	-
2.4G;11b;20;1;1;2412;L;TX	Pass	AV	2.4536G	90.23	Inf	-Inf	31.96	3	V	40	1.06	-
2.4G;11b;20;1;1;2412;L;TX	Pass	AV	2.4852G	53.15	54.00	-0.85	32.07	3	V	40	1.06	-
2.4G;11b;20;1;1;2412;L;TX	Pass	AV	4.894063G	34.98	54.00	-19.02	4.46	3	V	48	1.92	-
2.4G;11b;20;1;1;2412;L;TX	Pass	AV	7.347438G	40.57	54.00	-13.43	10.59	3	V	78	1.60	-
2.4G;11b;20;1;1;2412;L;TX	Pass	PK	2.3688G	58.45	74.00	-15.55	31.68	3	V	40	1.06	-
2.4G;11b;20;1;1;2412;L;TX	Pass	PK	2.456G	99.02	Inf	-Inf	31.97	3	V	40	1.06	-
2.4G;11b;20;1;1;2412;L;TX	Pass	PK	2.4872G	64.95	74.00	-9.05	32.08	3	V	40	1.06	-
2.4G;11b;20;1;1;2412;L;TX	Pass	PK	4.919G	43.47	74.00	-30.53	4.51	3	V	48	1.92	-
2.4G;11b;20;1;1;2412;L;TX	Pass	PK	7.34625G	49.66	74.00	-24.34	10.59	3	V	78	1.60	-
2.4G;11b;20;1;1;2437;M;TX	Pass	AV	2.3582G	44.00	54.00	-10.00	31.65	3	H	355	1.07	-
2.4G;11b;20;1;1;2437;M;TX	Pass	AV	2.439G	98.72	Inf	-Inf	31.91	3	H	355	1.07	-
2.4G;11b;20;1;1;2437;M;TX	Pass	AV	2.4878G	44.31	54.00	-9.69	32.08	3	H	355	1.07	-
2.4G;11b;20;1;1;2437;M;TX	Pass	AV	4.874G	51.00	54.00	-3.00	4.42	3	H	87	2.71	-
2.4G;11b;20;1;1;2437;M;TX	Pass	PK	2.3866G	55.08	74.00	-18.92	31.74	3	H	355	1.07	-
2.4G;11b;20;1;1;2437;M;TX	Pass	PK	2.4378G	102.68	Inf	-Inf	31.91	3	H	355	1.07	-
2.4G;11b;20;1;1;2437;M;TX	Pass	PK	2.4962G	55.30	74.00	-18.70	32.11	3	H	355	1.07	-
2.4G;11b;20;1;1;2437;M;TX	Pass	PK	4.87406G	54.23	74.00	-19.77	4.42	3	H	87	2.71	-
2.4G;11b;20;1;1;2437;M;TX	Pass	AV	2.3866G	43.83	54.00	-10.17	31.74	3	V	111	1.50	-
2.4G;11b;20;1;1;2437;M;TX	Pass	AV	2.4362G	94.53	Inf	-Inf	31.90	3	V	111	1.50	-
2.4G;11b;20;1;1;2437;M;TX	Pass	AV	2.4854G	44.29	54.00	-9.71	32.07	3	V	111	1.50	-
2.4G;11b;20;1;1;2437;M;TX	Pass	AV	4.873964G	53.91	54.00	-0.09	4.42	3	V	190	1.02	-
2.4G;11b;20;1;1;2437;M;TX	Pass	PK	2.3602G	55.39	74.00	-18.61	31.66	3	V	111	1.50	-
2.4G;11b;20;1;1;2437;M;TX	Pass	PK	2.4378G	98.33	Inf	-Inf	31.91	3	V	111	1.50	-
2.4G;11b;20;1;1;2437;M;TX	Pass	PK	2.4946G	55.24	74.00	-18.76	32.10	3	V	111	1.50	-
2.4G;11b;20;1;1;2437;M;TX	Pass	PK	4.874084G	56.20	74.00	-17.80	4.42	3	V	190	1.02	-
2.4G;11b;20;1;1;2462;H;TX	Pass	AV	2.4612G	99.98	Inf	-Inf	31.99	3	H	0	1.31	-
2.4G;11b;20;1;1;2462;H;TX	Pass	AV	2.488G	47.71	54.00	-6.29	32.08	3	H	0	1.31	-
2.4G;11b;20;1;1;2462;H;TX	Pass	AV	4.923978G	48.10	54.00	-5.90	4.51	3	H	252	1.05	-
2.4G;11b;20;1;1;2462;H;TX	Pass	AV	4.923978G	48.10	54.00	-5.90	4.51	3	H	252	1.05	-
2.4G;11b;20;1;1;2462;H;TX	Pass	PK	2.463G	103.83	Inf	-Inf	32.00	3	H	0	1.31	-
2.4G;11b;20;1;1;2462;H;TX	Pass	PK	2.4884G	57.98	74.00	-16.02	32.08	3	H	0	1.31	-
2.4G;11b;20;1;1;2462;H;TX	Pass	PK	4.923958G	52.72	74.00	-21.28	4.51	3	H	252	1.05	-
2.4G;11b;20;1;1;2462;H;TX	Pass	PK	4.923958G	52.72	74.00	-21.28	4.51	3	H	252	1.05	-
2.4G;11b;20;1;1;2462;H;TX	Pass	AV	2.4612G	96.88	Inf	-Inf	31.99	3	V	34	1.52	-
2.4G;11b;20;1;1;2462;H;TX	Pass	AV	2.488G	45.83	54.00	-8.17	32.08	3	V	34	1.52	-
2.4G;11b;20;1;1;2462;H;TX	Pass	AV	4.923998G	53.65	54.00	-0.35	4.52	3	V	185	1.02	-
2.4G;11b;20;1;1;2462;H;TX	Pass	PK	2.461G	100.62	Inf	-Inf	31.99	3	V	34	1.52	-
2.4G;11b;20;1;1;2462;H;TX	Pass	PK	2.4874G	56.78	74.00	-17.22	32.08	3	V	34	1.52	-
2.4G;11b;20;1;1;2462;H;TX	Pass	PK	4.923938G	56.19	74.00	-17.81	4.51	3	V	185	1.02	-
2.4G;11g;20;1;1;2412;L;TX	Pass	AV	2.3892G	47.07	54.00	-6.93	31.75	3	H	333	1.29	-
2.4G;11g;20;1;1;2412;L;TX	Pass	AV	2.4536G	91.59	Inf	-Inf	31.96	3	H	333	1.29	-
2.4G;11g;20;1;1;2412;L;TX	Pass	AV	2.4836G	53.40	54.00	-0.60	32.07	3	H	333	1.29	-
2.4G;11g;20;1;1;2412;L;TX	Pass	AV	4.902375G	34.86	54.00	-19.14	4.47	3	H	333	1.83	-
2.4G;11g;20;1;1;2412;L;TX	Pass	AV	7.345063G	40.15	54.00	-13.85	10.59	3	H	63	1.81	-
2.4G;11g;20;1;1;2412;L;TX	Pass	PK	2.37G	57.81	74.00	-16.19	31.69	3	H	333	1.29	-
2.4G;11g;20;1;1;2412;L;TX	Pass	PK	2.4536G	100.84	Inf	-Inf	31.96	3	H	333	1.29	-
2.4G;11g;20;1;1;2412;L;TX	Pass	PK	2.4836G	65.38	74.00	-8.62	32.07	3	H	333	1.29	-
2.4G;11g;20;1;1;2412;L;TX	Pass	PK	4.903563G	43.52	74.00	-30.48	4.48	3	H	333	1.83	-
2.4G;11g;20;1;1;2412;L;TX	Pass	PK	7.351G	49.55	74.00	-24.45	10.60	3	H	63	1.81	-
2.4G;11g;20;1;1;2412;L;TX	Pass	AV	2.388G	47.06	54.00	-6.94	31.74	3	V	40	1.06	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2.4G;11g;20;1;1;2412;L;TX	Pass	AV	2.4536G	90.23	Inf	-Inf	31.96	3	V	40	1.06	-
2.4G;11g;20;1;1;2412;L;TX	Pass	AV	2.4852G	53.15	54.00	-0.85	32.07	3	V	40	1.06	-
2.4G;11g;20;1;1;2412;L;TX	Pass	AV	4.894063G	34.98	54.00	-19.02	4.46	3	V	48	1.92	-
2.4G;11g;20;1;1;2412;L;TX	Pass	AV	7.347438G	40.57	54.00	-13.43	10.59	3	V	78	1.60	-
2.4G;11g;20;1;1;2412;L;TX	Pass	PK	2.3688G	58.45	74.00	-15.55	31.68	3	V	40	1.06	-
2.4G;11g;20;1;1;2412;L;TX	Pass	PK	2.456G	99.02	Inf	-Inf	31.97	3	V	40	1.06	-
2.4G;11g;20;1;1;2412;L;TX	Pass	PK	2.4872G	64.95	74.00	-9.05	32.08	3	V	40	1.06	-
2.4G;11g;20;1;1;2412;L;TX	Pass	PK	4.919G	43.47	74.00	-30.53	4.51	3	V	48	1.92	-
2.4G;11g;20;1;1;2412;L;TX	Pass	PK	7.34625G	49.66	74.00	-24.34	10.59	3	V	78	1.60	-
2.4G;11g;20;1;1;2437;M;TX	Pass	AV	2.3898G	46.63	54.00	-7.37	31.75	3	H	340	1.32	-
2.4G;11g;20;1;1;2437;M;TX	Pass	AV	2.4318G	98.08	Inf	-Inf	31.89	3	H	340	1.32	-
2.4G;11g;20;1;1;2437;M;TX	Pass	AV	2.4842G	51.05	54.00	-2.95	32.07	3	H	340	1.32	-
2.4G;11g;20;1;1;2437;M;TX	Pass	AV	4.867938G	34.95	54.00	-19.05	4.41	3	H	32	1.75	-
2.4G;11g;20;1;1;2437;M;TX	Pass	AV	7.302313G	39.66	54.00	-14.34	10.52	3	H	52	2.14	-
2.4G;11g;20;1;1;2437;M;TX	Pass	PK	2.3854G	59.78	74.00	-14.22	31.74	3	H	340	1.32	-
2.4G;11g;20;1;1;2437;M;TX	Pass	PK	2.4306G	107.99	Inf	-Inf	31.89	3	H	340	1.32	-
2.4G;11g;20;1;1;2437;M;TX	Pass	PK	2.485G	64.70	74.00	-9.30	32.07	3	H	340	1.32	-
2.4G;11g;20;1;1;2437;M;TX	Pass	PK	4.881G	43.81	74.00	-30.19	4.43	3	H	32	1.75	-
2.4G;11g;20;1;1;2437;M;TX	Pass	PK	7.302313G	48.79	74.00	-25.21	10.52	3	H	52	2.14	-
2.4G;11g;20;1;1;2437;M;TX	Pass	AV	2.3898G	45.62	54.00	-8.38	31.75	3	V	33	1.32	-
2.4G;11g;20;1;1;2437;M;TX	Pass	AV	2.4318G	95.04	Inf	-Inf	31.89	3	V	33	1.32	-
2.4G;11g;20;1;1;2437;M;TX	Pass	AV	2.4842G	48.90	54.00	-5.10	32.07	3	V	33	1.32	-
2.4G;11g;20;1;1;2437;M;TX	Pass	AV	4.87408G	45.44	54.00	-8.56	4.42	3	V	190	1.00	-
2.4G;11g;20;1;1;2437;M;TX	Pass	AV	4.87408G	45.44	54.00	-8.56	4.42	3	V	190	1.00	-
2.4G;11g;20;1;1;2437;M;TX	Pass	AV	4.879813G	34.52	54.00	-19.48	4.43	3	V	145	1.81	-
2.4G;11g;20;1;1;2437;M;TX	Pass	AV	7.309438G	39.45	54.00	-14.55	10.53	3	V	279	2.00	-
2.4G;11g;20;1;1;2437;M;TX	Pass	PK	2.3842G	58.08	74.00	-15.92	31.73	3	V	33	1.32	-
2.4G;11g;20;1;1;2437;M;TX	Pass	PK	2.4306G	104.81	Inf	-Inf	31.89	3	V	33	1.32	-
2.4G;11g;20;1;1;2437;M;TX	Pass	PK	2.4854G	62.41	74.00	-11.59	32.07	3	V	33	1.32	-
2.4G;11g;20;1;1;2437;M;TX	Pass	PK	4.87572G	56.29	74.00	-17.71	4.42	3	V	190	1.00	-
2.4G;11g;20;1;1;2437;M;TX	Pass	PK	4.87572G	56.29	74.00	-17.71	4.42	3	V	190	1.00	-
2.4G;11g;20;1;1;2437;M;TX	Pass	PK	4.884563G	43.10	74.00	-30.90	4.44	3	V	145	1.81	-
2.4G;11g;20;1;1;2437;M;TX	Pass	PK	7.314188G	47.60	74.00	-26.40	10.54	3	V	279	2.00	-
2.4G;11g;20;1;1;2462;H;TX	Pass	AV	2.4556G	93.65	Inf	-Inf	31.97	3	H	0	1.30	-
2.4G;11g;20;1;1;2462;H;TX	Pass	AV	2.4836G	53.77	54.00	-0.23	32.07	3	H	0	1.30	-
2.4G;11g;20;1;1;2462;H;TX	Pass	AV	4.926125G	34.87	54.00	-19.13	4.52	3	H	40	1.65	-
2.4G;11g;20;1;1;2462;H;TX	Pass	AV	7.39375G	40.38	54.00	-13.62	10.67	3	H	345	2.37	-
2.4G;11g;20;1;1;2462;H;TX	Pass	PK	2.4556G	103.41	Inf	-Inf	31.97	3	H	0	1.30	-
2.4G;11g;20;1;1;2462;H;TX	Pass	PK	2.4838G	68.76	74.00	-5.24	32.07	3	H	0	1.30	-
2.4G;11g;20;1;1;2462;H;TX	Pass	PK	4.927313G	42.98	74.00	-31.02	4.52	3	H	40	1.65	-
2.4G;11g;20;1;1;2462;H;TX	Pass	PK	7.396125G	49.28	74.00	-24.72	10.67	3	H	345	2.37	-
2.4G;11g;20;1;1;2462;H;TX	Pass	AV	2.4684G	90.41	Inf	-Inf	32.01	3	V	26	1.30	-
2.4G;11g;20;1;1;2462;H;TX	Pass	AV	2.4836G	51.09	54.00	-2.91	32.07	3	V	26	1.30	-
2.4G;11g;20;1;1;2462;H;TX	Pass	AV	4.919G	34.89	54.00	-19.11	4.51	3	V	53	1.85	-
2.4G;11g;20;1;1;2462;H;TX	Pass	AV	7.383063G	40.26	54.00	-13.74	10.65	3	V	265	2.27	-
2.4G;11g;20;1;1;2462;H;TX	Pass	PK	2.4676G	99.33	Inf	-Inf	32.01	3	V	26	1.30	-
2.4G;11g;20;1;1;2462;H;TX	Pass	PK	2.4838G	64.90	74.00	-9.10	32.07	3	V	26	1.30	-
2.4G;11g;20;1;1;2462;H;TX	Pass	PK	4.916625G	42.89	74.00	-31.11	4.50	3	V	53	1.85	-
2.4G;11g;20;1;1;2462;H;TX	Pass	PK	7.396125G	48.43	74.00	-25.57	10.67	3	V	265	2.27	-
2.4G;HT20;20;2;(M8-15);2;2412;L;TX	Pass	AV	2.39G	53.22	54.00	-0.78	31.75	3	H	352	1.28	-
2.4G;HT20;20;2;(M8-15);2;2412;L;TX	Pass	AV	2.4192G	95.18	Inf	-Inf	31.85	3	H	352	1.28	-
2.4G;HT20;20;2;(M8-15);2;2412;L;TX	Pass	AV	4.826375G	34.86	54.00	-19.14	4.32	3	H	189	2.34	-
2.4G;HT20;20;2;(M8-15);2;2412;L;TX	Pass	AV	7.242938G	39.94	Inf	-Inf	10.42	3	H	322	1.70	-
2.4G;HT20;20;2;(M8-15);2;2412;L;TX	Pass	PK	2.39G	67.70	74.00	-6.30	31.75	3	H	352	1.28	-
2.4G;HT20;20;2;(M8-15);2;2412;L;TX	Pass	PK	2.4186G	105.71	Inf	-Inf	31.84	3	H	352	1.28	-
2.4G;HT20;20;2;(M8-15);2;2412;L;TX	Pass	PK	4.816875G	43.86	74.00	-30.14	4.30	3	H	189	2.34	-
2.4G;HT20;20;2;(M8-15);2;2412;L;TX	Pass	PK	7.245313G	49.79	Inf	-Inf	10.42	3	H	322	1.70	-
2.4G;HT20;20;2;(M8-15);2;2412;L;TX	Pass	AV	2.39G	52.55	54.00	-1.45	31.75	3	V	319	1.25	-
2.4G;HT20;20;2;(M8-15);2;2412;L;TX	Pass	AV	2.405G	90.59	Inf	-Inf	31.80	3	V	319	1.25	-
2.4G;HT20;20;2;(M8-15);2;2412;L;TX	Pass	AV	4.821625G	34.74	54.00	-19.26	4.31	3	V	126	2.22	-
2.4G;HT20;20;2;(M8-15);2;2412;L;TX	Pass	AV	7.226313G	40.42	Inf	-Inf	10.39	3	V	31	2.04	-
2.4G;HT20;20;2;(M8-15);2;2412;L;TX	Pass	PK	2.3898G	67.92	74.00	-6.08	31.75	3	V	319	1.25	-



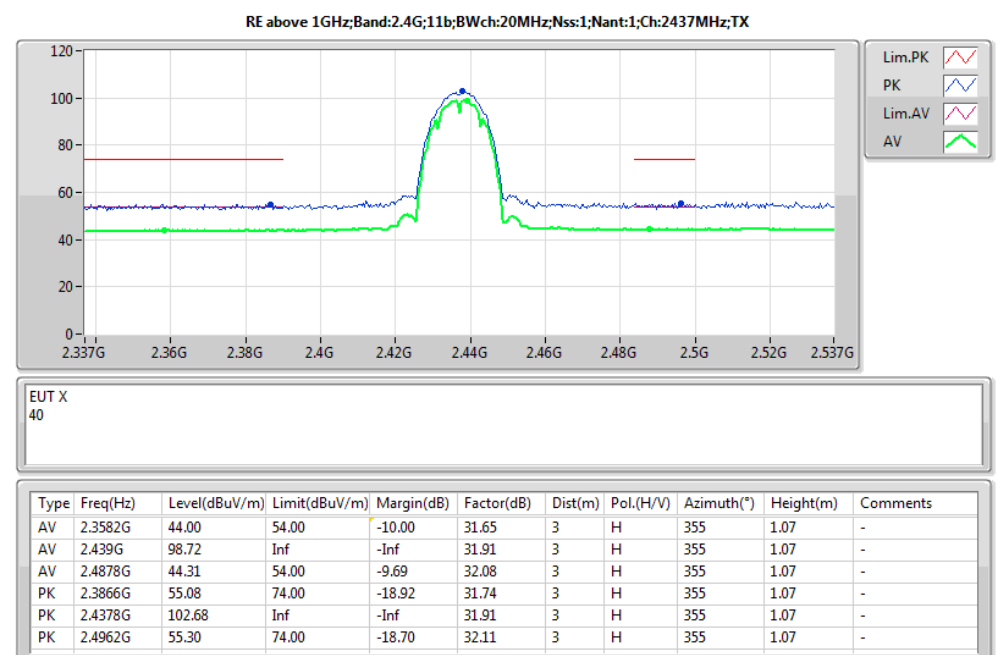
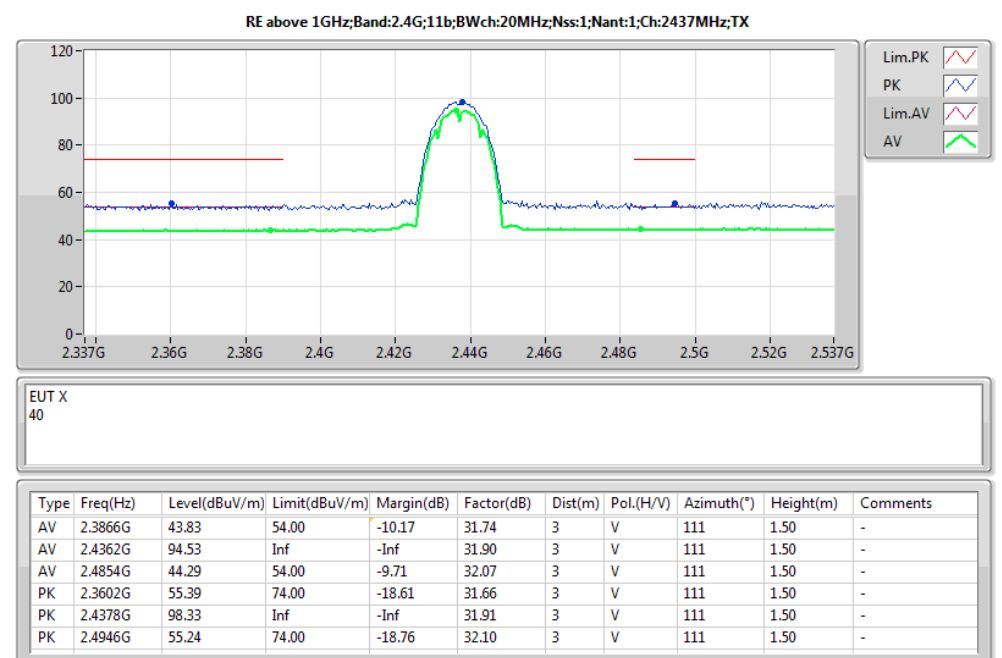
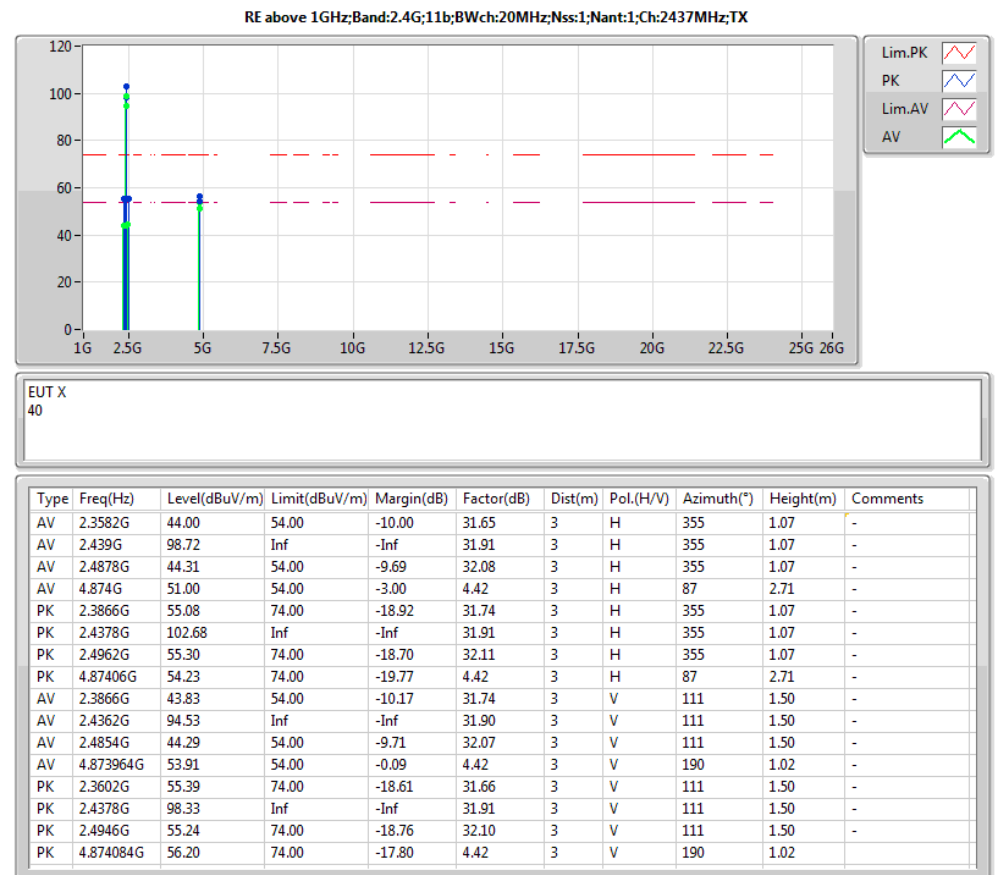
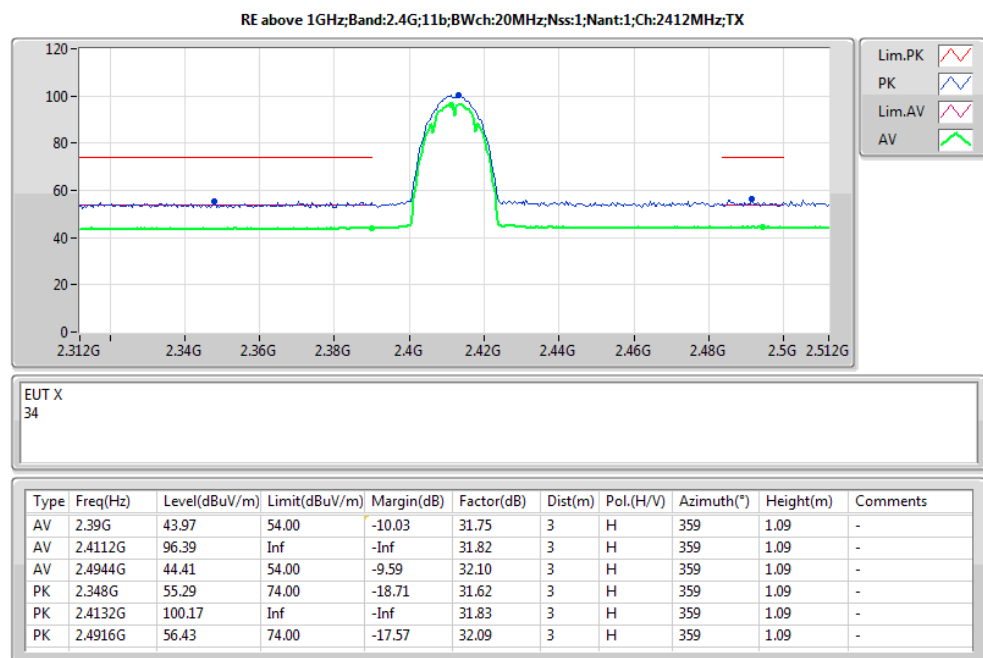
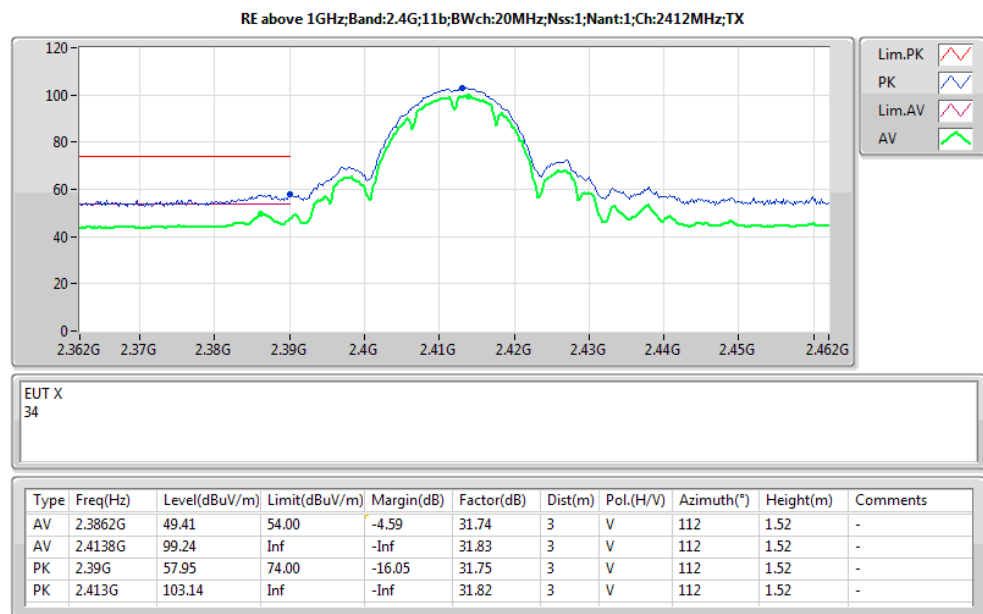
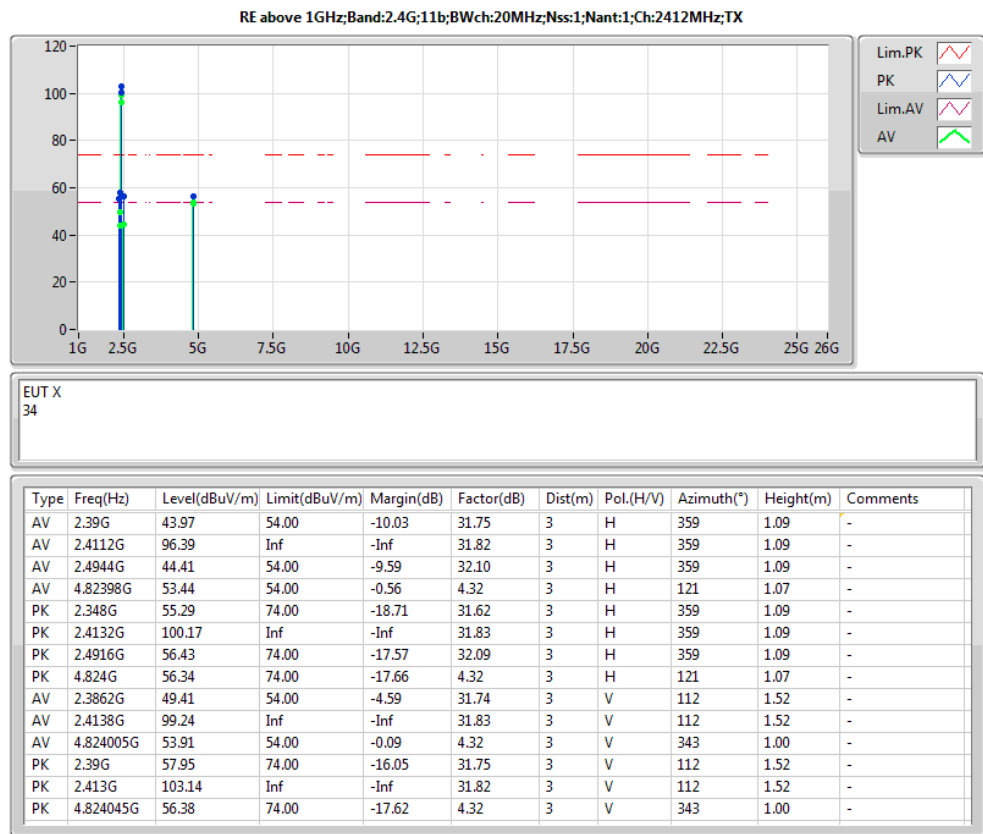
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2.4G;HT20;20;2,(M8-15);2;2412;L;TX	Pass	PK	2.4046G	101.90	Inf	-Inf	31.80	3	V	319	1.25	-
2.4G;HT20;20;2,(M8-15);2;2412;L;TX	Pass	PK	4.826375G	43.73	74.00	-30.27	4.32	3	V	126	2.22	-
2.4G;HT20;20;2,(M8-15);2;2412;L;TX	Pass	PK	7.237G	49.62	Inf	-Inf	10.41	3	V	31	2.04	-
2.4G;HT20;20;2,(M8-15);2;2437;M;TX	Pass	AV	2.3898G	49.39	54.00	-4.61	31.75	3	H	342	1.13	-
2.4G;HT20;20;2,(M8-15);2;2437;M;TX	Pass	AV	2.4314G	100.47	Inf	-Inf	31.89	3	H	342	1.13	-
2.4G;HT20;20;2,(M8-15);2;2437;M;TX	Pass	AV	2.4836G	50.64	54.00	-3.36	32.07	3	H	342	1.13	-
2.4G;HT20;20;2,(M8-15);2;2437;M;TX	Pass	AV	4.865563G	34.56	54.00	-19.44	4.40	3	H	115	2.14	-
2.4G;HT20;20;2,(M8-15);2;2437;M;TX	Pass	AV	7.3035G	39.29	54.00	-14.71	10.53	3	H	105	2.37	-
2.4G;HT20;20;2,(M8-15);2;2437;M;TX	Pass	PK	2.3886G	60.47	74.00	-13.53	31.75	3	H	342	1.13	-
2.4G;HT20;20;2,(M8-15);2;2437;M;TX	Pass	PK	2.4314G	109.86	Inf	-Inf	31.89	3	H	342	1.13	-
2.4G;HT20;20;2,(M8-15);2;2437;M;TX	Pass	PK	2.486G	61.32	74.00	-12.68	32.07	3	H	342	1.13	-
2.4G;HT20;20;2,(M8-15);2;2437;M;TX	Pass	PK	4.867938G	44.23	74.00	-29.77	4.41	3	H	115	2.14	-
2.4G;HT20;20;2,(M8-15);2;2437;M;TX	Pass	PK	7.302313G	49.32	74.00	-24.68	10.52	3	H	105	2.37	-
2.4G;HT20;20;2,(M8-15);2;2437;M;TX	Pass	AV	2.39G	47.55	54.00	-6.45	31.75	3	V	360	1.41	-
2.4G;HT20;20;2,(M8-15);2;2437;M;TX	Pass	AV	2.4306G	96.31	Inf	-Inf	31.89	3	V	360	1.41	-
2.4G;HT20;20;2,(M8-15);2;2437;M;TX	Pass	AV	2.4846G	49.49	54.00	-4.51	32.07	3	V	360	1.41	-
2.4G;HT20;20;2,(M8-15);2;2437;M;TX	Pass	AV	4.882188G	34.72	54.00	-19.28	4.43	3	V	239	2.27	-
2.4G;HT20;20;2,(M8-15);2;2437;M;TX	Pass	AV	7.3035G	39.42	54.00	-14.58	10.53	3	V	41	2.22	-
2.4G;HT20;20;2,(M8-15);2;2437;M;TX	Pass	PK	2.389G	58.13	74.00	-15.87	31.75	3	V	360	1.41	-
2.4G;HT20;20;2,(M8-15);2;2437;M;TX	Pass	PK	2.4328G	106.07	Inf	-Inf	31.89	3	V	360	1.41	-
2.4G;HT20;20;2,(M8-15);2;2437;M;TX	Pass	PK	2.4866G	60.13	74.00	-13.87	32.08	3	V	360	1.41	-
2.4G;HT20;20;2,(M8-15);2;2437;M;TX	Pass	PK	4.884563G	42.57	74.00	-31.43	4.44	3	V	239	2.27	-
2.4G;HT20;20;2,(M8-15);2;2437;M;TX	Pass	PK	7.318938G	47.84	74.00	-26.16	10.55	3	V	41	2.22	-
2.4G;HT20;20;2,(M8-15);2;2462;H;TX	Pass	AV	2.4554G	93.34	Inf	-Inf	31.97	3	H	333	1.29	-
2.4G;HT20;20;2,(M8-15);2;2462;H;TX	Pass	AV	2.4838G	53.79	54.00	-0.21	32.07	3	H	333	1.29	-
2.4G;HT20;20;2,(M8-15);2;2462;H;TX	Pass	AV	4.917813G	34.79	54.00	-19.21	4.50	3	H	250	2.27	-
2.4G;HT20;20;2,(M8-15);2;2462;H;TX	Pass	AV	7.392563G	40.19	54.00	-13.81	10.66	3	H	333	1.90	-
2.4G;HT20;20;2,(M8-15);2;2462;H;TX	Pass	PK	2.4552G	103.09	Inf	-Inf	31.97	3	H	333	1.29	-
2.4G;HT20;20;2,(M8-15);2;2462;H;TX	Pass	PK	2.4836G	67.14	74.00	-6.86	32.07	3	H	333	1.29	-
2.4G;HT20;20;2,(M8-15);2;2462;H;TX	Pass	PK	4.927313G	43.28	74.00	-30.72	4.52	3	H	250	2.27	-
2.4G;HT20;20;2,(M8-15);2;2462;H;TX	Pass	PK	7.394938G	49.46	74.00	-24.54	10.67	3	H	333	1.90	-
2.4G;HT20;20;2,(M8-15);2;2462;H;TX	Pass	AV	2.4564G	92.79	Inf	-Inf	31.97	3	V	0	1.37	-
2.4G;HT20;20;2,(M8-15);2;2462;H;TX	Pass	AV	2.4836G	52.28	54.00	-1.72	32.07	3	V	0	1.37	-
2.4G;HT20;20;2,(M8-15);2;2462;H;TX	Pass	AV	4.926125G	34.85	54.00	-19.15	4.52	3	V	142	1.58	-
2.4G;HT20;20;2,(M8-15);2;2462;H;TX	Pass	AV	7.396125G	40.34	54.00	-13.66	10.67	3	V	136	2.01	-
2.4G;HT20;20;2,(M8-15);2;2462;H;TX	Pass	PK	2.4564G	103.00	Inf	-Inf	31.97	3	V	0	1.37	-
2.4G;HT20;20;2,(M8-15);2;2462;H;TX	Pass	PK	2.4838G	63.86	74.00	-10.14	32.07	3	V	0	1.37	-
2.4G;HT20;20;2,(M8-15);2;2462;H;TX	Pass	PK	4.916625G	43.23	74.00	-30.77	4.50	3	V	142	1.58	-
2.4G;HT20;20;2,(M8-15);2;2462;H;TX	Pass	PK	7.389G	48.47	74.00	-25.53	10.66	3	V	136	2.01	-
2.4G;HT40;40;2,(M8-15);2;2422;L;TX	Pass	AV	2.3896G	53.68	54.00	-0.32	31.75	3	H	335	1.28	-
2.4G;HT40;40;2,(M8-15);2;2422;L;TX	Pass	AV	2.4232G	90.94	Inf	-Inf	31.86	3	H	335	1.28	-
2.4G;HT40;40;2,(M8-15);2;2422;L;TX	Pass	AV	2.484G	48.38	54.00	-5.62	32.07	3	H	335	1.28	-
2.4G;HT40;40;2,(M8-15);2;2422;L;TX	Pass	AV	4.825188G	35.01	54.00	-18.99	4.32	3	H	49	1.74	-
2.4G;HT40;40;2,(M8-15);2;2422;L;TX	Pass	AV	7.276188G	40.03	54.00	-13.97	10.48	3	H	82	1.82	-
2.4G;HT40;40;2,(M8-15);2;2422;L;TX	Pass	PK	2.3896G	64.86	74.00	-9.14	31.75	3	H	335	1.28	-
2.4G;HT40;40;2,(M8-15);2;2422;L;TX	Pass	PK	2.4336G	99.90	Inf	-Inf	31.90	3	H	335	1.28	-
2.4G;HT40;40;2,(M8-15);2;2422;L;TX	Pass	PK	2.5G	58.76	74.00	-15.24	32.12	3	H	335	1.28	-
2.4G;HT40;40;2,(M8-15);2;2422;L;TX	Pass	PK	4.824G	43.68	74.00	-30.32	4.32	3	H	49	1.74	-
2.4G;HT40;40;2,(M8-15);2;2422;L;TX	Pass	PK	7.271438G	49.01	74.00	-24.99	10.47	3	H	82	1.82	-
2.4G;HT40;40;2,(M8-15);2;2422;L;TX	Pass	AV	2.39G	53.76	54.00	-0.24	31.75	3	V	214	1.25	-
2.4G;HT40;40;2,(M8-15);2;2422;L;TX	Pass	AV	2.4064G	88.09	Inf	-Inf	31.80	3	V	214	1.25	-
2.4G;HT40;40;2,(M8-15);2;2422;L;TX	Pass	AV	2.5G	47.48	54.00	-6.52	32.12	3	V	214	1.25	-
2.4G;HT40;40;2,(M8-15);2;2422;L;TX	Pass	AV	4.825188G	34.48	54.00	-19.52	4.32	3	V	198	1.56	-
2.4G;HT40;40;2,(M8-15);2;2422;L;TX	Pass	AV	7.276188G	39.87	54.00	-14.13	10.48	3	V	4	2.05	-
2.4G;HT40;40;2,(M8-15);2;2422;L;TX	Pass	PK	2.3888G	66.35	74.00	-7.65	31.75	3	V	214	1.25	-
2.4G;HT40;40;2,(M8-15);2;2422;L;TX	Pass	PK	2.4232G	97.42	Inf	-Inf	31.86	3	V	214	1.25	-
2.4G;HT40;40;2,(M8-15);2;2422;L;TX	Pass	PK	2.4956G	58.46	74.00	-15.54	32.11	3	V	214	1.25	-
2.4G;HT40;40;2,(M8-15);2;2422;L;TX	Pass	PK	4.826375G	43.91	74.00	-30.09	4.32	3	V	198	1.56	-
2.4G;HT40;40;2,(M8-15);2;2422;L;TX	Pass	PK	7.285688G	47.90	74.00	-26.10	10.50	3	V	4	2.05	-
2.4G;HT40;40;2,(M8-15);2;2437;M;TX	Pass	AV	2.3896G	53.91	54.00	-0.09	31.75	3	H	333	1.25	-
2.4G;HT40;40;2,(M8-15);2;2437;M;TX	Pass	AV	2.4214G	92.02	Inf	-Inf	31.85	3	H	333	1.25	-
2.4G;HT40;40;2,(M8-15);2;2437;M;TX	Pass	AV	2.4838G	53.67	54.00	-0.33	32.07	3	H	333	1.25	-

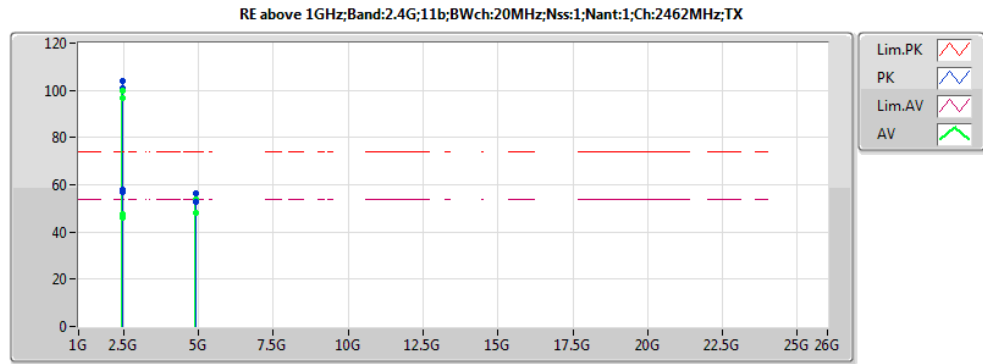


RSE above 1GHz Result

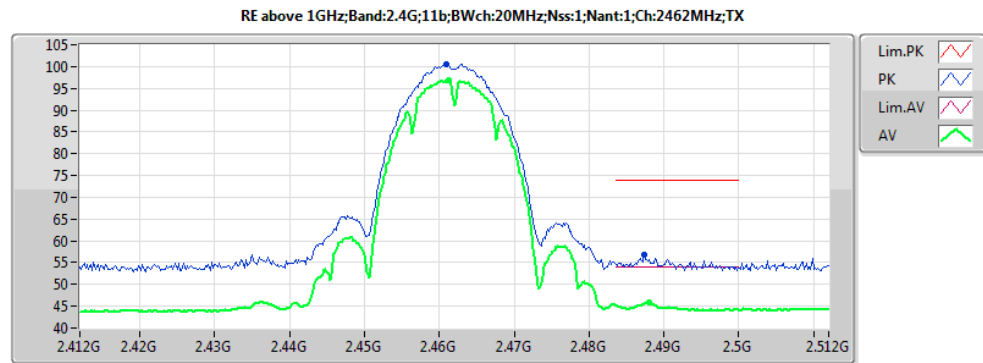
Appendix G

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2.4G;HT40;40;2;(M8-15);2;2437;M;TX	Pass	AV	4.881G	35.13	54.00	-18.87	4.43	3	H	58	2.08	-
2.4G;HT40;40;2;(M8-15);2;2437;M;TX	Pass	AV	7.294G	40.18	54.00	-13.82	10.51	3	H	214	1.99	-
2.4G;HT40;40;2;(M8-15);2;2437;M;TX	Pass	PK	2.3896G	68.26	74.00	-5.74	31.75	3	H	333	1.25	-
2.4G;HT40;40;2;(M8-15);2;2437;M;TX	Pass	PK	2.4226G	100.94	Inf	-Inf	31.86	3	H	333	1.25	-
2.4G;HT40;40;2;(M8-15);2;2437;M;TX	Pass	PK	2.4862G	65.61	74.00	-8.39	32.07	3	H	333	1.25	-
2.4G;HT40;40;2;(M8-15);2;2437;M;TX	Pass	PK	4.867938G	44.78	74.00	-29.22	4.41	3	H	58	2.08	-
2.4G;HT40;40;2;(M8-15);2;2437;M;TX	Pass	PK	7.328438G	49.62	74.00	-24.38	10.56	3	H	214	1.99	-
2.4G;HT40;40;2;(M8-15);2;2437;M;TX	Pass	AV	2.3896G	48.62	54.00	-5.38	31.75	3	V	1	1.13	-
2.4G;HT40;40;2;(M8-15);2;2437;M;TX	Pass	AV	2.4388G	90.98	Inf	-Inf	31.91	3	V	1	1.13	-
2.4G;HT40;40;2;(M8-15);2;2437;M;TX	Pass	AV	2.4838G	53.01	54.00	-0.99	32.07	3	V	1	1.13	-
2.4G;HT40;40;2;(M8-15);2;2437;M;TX	Pass	AV	4.889313G	35.42	54.00	-18.58	4.45	3	V	186	1.90	-
2.4G;HT40;40;2;(M8-15);2;2437;M;TX	Pass	AV	7.292813G	39.97	54.00	-14.03	10.51	3	V	101	1.79	-
2.4G;HT40;40;2;(M8-15);2;2437;M;TX	Pass	PK	2.3896G	60.29	74.00	-13.71	31.75	3	V	1	1.13	-
2.4G;HT40;40;2;(M8-15);2;2437;M;TX	Pass	PK	2.4388G	101.02	Inf	-Inf	31.91	3	V	1	1.13	-
2.4G;HT40;40;2;(M8-15);2;2437;M;TX	Pass	PK	2.4838G	64.27	74.00	-9.73	32.07	3	V	1	1.13	-
2.4G;HT40;40;2;(M8-15);2;2437;M;TX	Pass	PK	4.869125G	43.64	74.00	-30.36	4.41	3	V	186	1.90	-
2.4G;HT40;40;2;(M8-15);2;2437;M;TX	Pass	PK	7.291625G	48.91	74.00	-25.09	10.51	3	V	101	1.79	-
2.4G;HT40;40;2;(M8-15);2;2452;H;TX	Pass	AV	2.3892G	47.07	54.00	-6.93	31.75	3	H	333	1.29	-
2.4G;HT40;40;2;(M8-15);2;2452;H;TX	Pass	AV	2.4536G	91.59	Inf	-Inf	31.96	3	H	333	1.29	-
2.4G;HT40;40;2;(M8-15);2;2452;H;TX	Pass	AV	2.4836G	53.40	54.00	-0.60	32.07	3	H	333	1.29	-
2.4G;HT40;40;2;(M8-15);2;2452;H;TX	Pass	AV	4.902375G	34.86	54.00	-19.14	4.47	3	H	333	1.83	-
2.4G;HT40;40;2;(M8-15);2;2452;H;TX	Pass	AV	7.345063G	40.15	54.00	-13.85	10.59	3	H	63	1.81	-
2.4G;HT40;40;2;(M8-15);2;2452;H;TX	Pass	PK	2.37G	57.81	74.00	-16.19	31.69	3	H	333	1.29	-
2.4G;HT40;40;2;(M8-15);2;2452;H;TX	Pass	PK	2.4536G	100.84	Inf	-Inf	31.96	3	H	333	1.29	-
2.4G;HT40;40;2;(M8-15);2;2452;H;TX	Pass	PK	2.4836G	65.38	74.00	-8.62	32.07	3	H	333	1.29	-
2.4G;HT40;40;2;(M8-15);2;2452;H;TX	Pass	PK	4.903563G	43.52	74.00	-30.48	4.48	3	H	333	1.83	-
2.4G;HT40;40;2;(M8-15);2;2452;H;TX	Pass	PK	7.351G	49.55	74.00	-24.45	10.60	3	H	63	1.81	-
2.4G;HT40;40;2;(M8-15);2;2452;H;TX	Pass	AV	2.388G	47.06	54.00	-6.94	31.74	3	V	40	1.06	-
2.4G;HT40;40;2;(M8-15);2;2452;H;TX	Pass	AV	2.4536G	90.23	Inf	-Inf	31.96	3	V	40	1.06	-
2.4G;HT40;40;2;(M8-15);2;2452;H;TX	Pass	AV	2.4852G	53.15	54.00	-0.85	32.07	3	V	40	1.06	-
2.4G;HT40;40;2;(M8-15);2;2452;H;TX	Pass	AV	4.894063G	34.98	54.00	-19.02	4.46	3	V	48	1.92	-
2.4G;HT40;40;2;(M8-15);2;2452;H;TX	Pass	AV	7.347438G	40.57	54.00	-13.43	10.59	3	V	78	1.60	-
2.4G;HT40;40;2;(M8-15);2;2452;H;TX	Pass	PK	2.3688G	58.45	74.00	-15.55	31.68	3	V	40	1.06	-
2.4G;HT40;40;2;(M8-15);2;2452;H;TX	Pass	PK	2.456G	99.02	Inf	-Inf	31.97	3	V	40	1.06	-
2.4G;HT40;40;2;(M8-15);2;2452;H;TX	Pass	PK	2.4872G	64.95	74.00	-9.05	32.08	3	V	40	1.06	-
2.4G;HT40;40;2;(M8-15);2;2452;H;TX	Pass	PK	4.919G	43.47	74.00	-30.53	4.51	3	V	48	1.92	-
2.4G;HT40;40;2;(M8-15);2;2452;H;TX	Pass	PK	7.34625G	49.66	74.00	-24.34	10.59	3	V	78	1.60	-

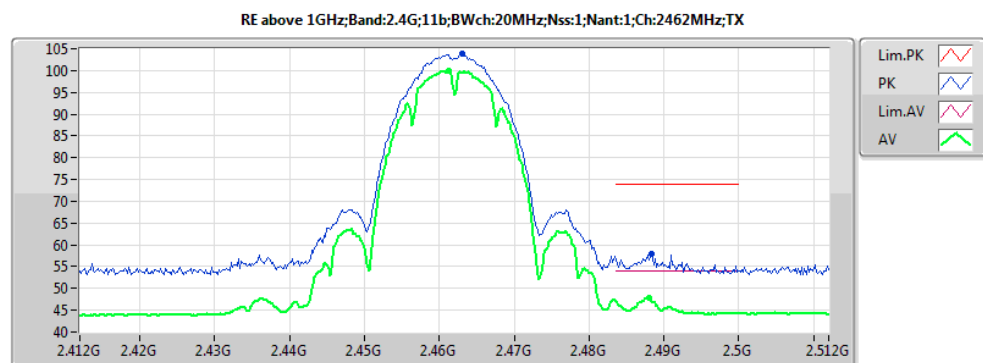


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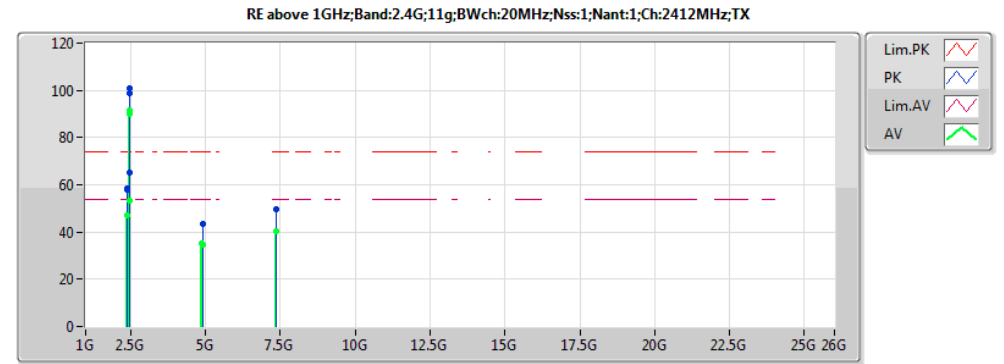
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4612G	99.98	Inf	-Inf	31.99	3	H	0	1.31	-
AV	2.488G	47.71	54.00	-6.29	32.08	3	H	0	1.31	-
AV	4.923978G	48.10	54.00	-5.90	4.51	3	H	252	1.05	-
AV	4.923978G	48.10	54.00	-5.90	4.51	3	H	252	1.05	-
PK	2.463G	103.83	Inf	-Inf	32.00	3	H	0	1.31	-
PK	2.4884G	57.98	74.00	-16.02	32.08	3	H	0	1.31	-
PK	4.923958G	52.72	74.00	-21.28	4.51	3	H	252	1.05	-
PK	4.923958G	52.72	74.00	-21.28	4.51	3	H	252	1.05	-
AV	2.4612G	96.88	Inf	-Inf	31.99	3	V	34	1.52	-
AV	2.488G	45.83	54.00	-8.17	32.08	3	V	34	1.52	-
AV	4.923998G	53.65	54.00	-0.35	4.52	3	V	185	1.02	-
PK	2.461G	100.62	Inf	-Inf	31.99	3	V	34	1.52	-
PK	2.4874G	56.78	74.00	-17.22	32.08	3	V	34	1.52	-
PK	4.923938G	56.19	74.00	-17.81	4.51	3	V	185	1.02	-

EUT X
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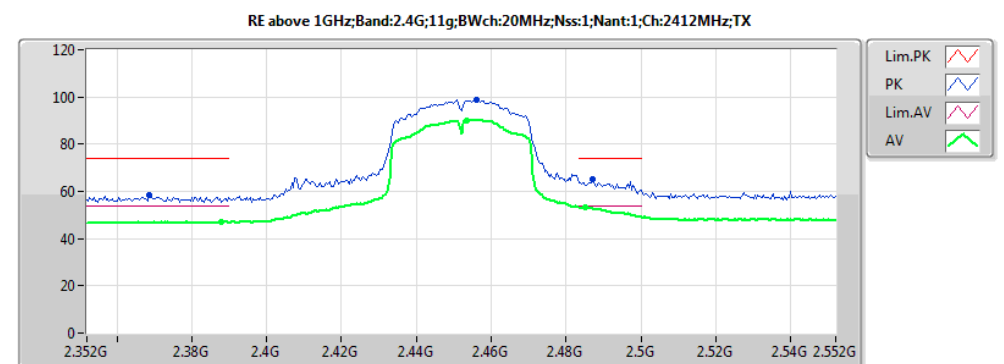
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4612G	96.88	Inf	-Inf	31.99	3	V	34	1.52	-
AV	2.488G	45.83	54.00	-8.17	32.08	3	V	34	1.52	-
PK	2.461G	100.62	Inf	-Inf	31.99	3	V	34	1.52	-
PK	2.4874G	56.78	74.00	-17.22	32.08	3	V	34	1.52	-

EUT X
44

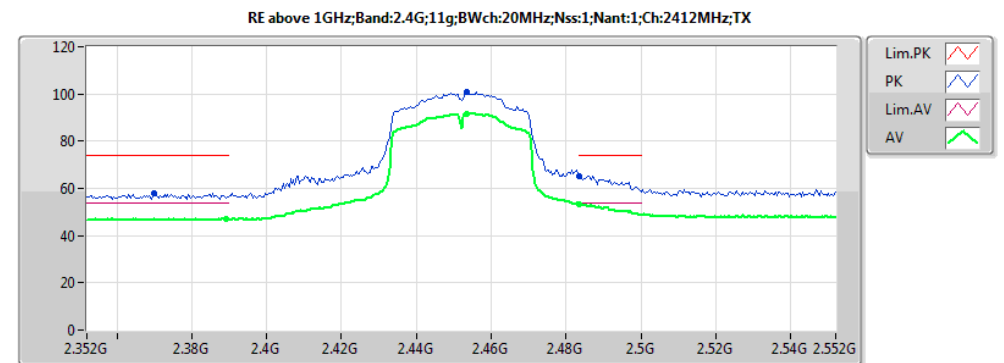
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4612G	99.98	Inf	-Inf	31.99	3	H	0	1.31	-
AV	2.488G	47.71	54.00	-6.29	32.08	3	H	0	1.31	-
PK	2.463G	103.83	Inf	-Inf	32.00	3	H	0	1.31	-
PK	2.4884G	57.98	74.00	-16.02	32.08	3	H	0	1.31	-

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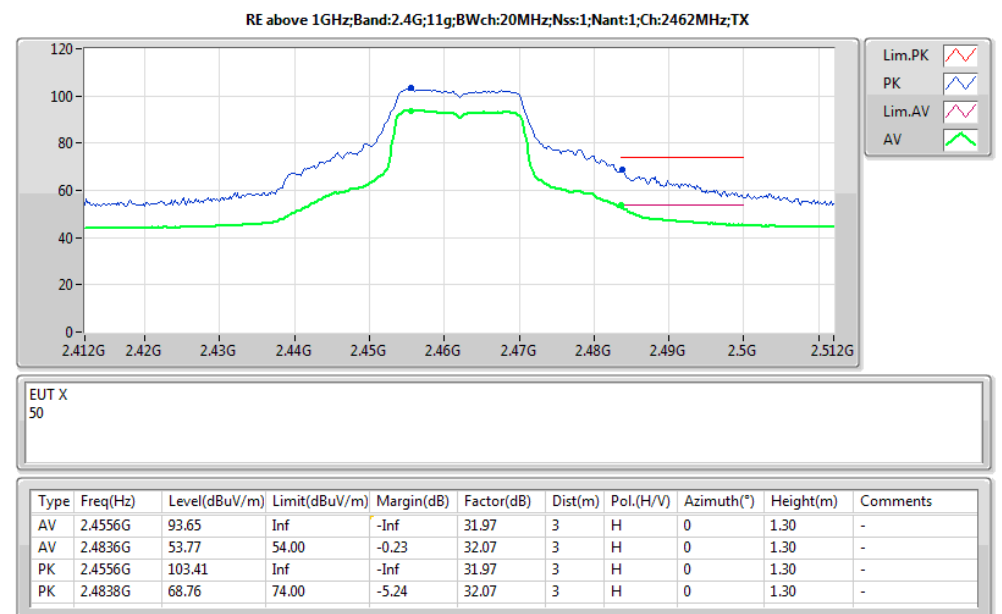
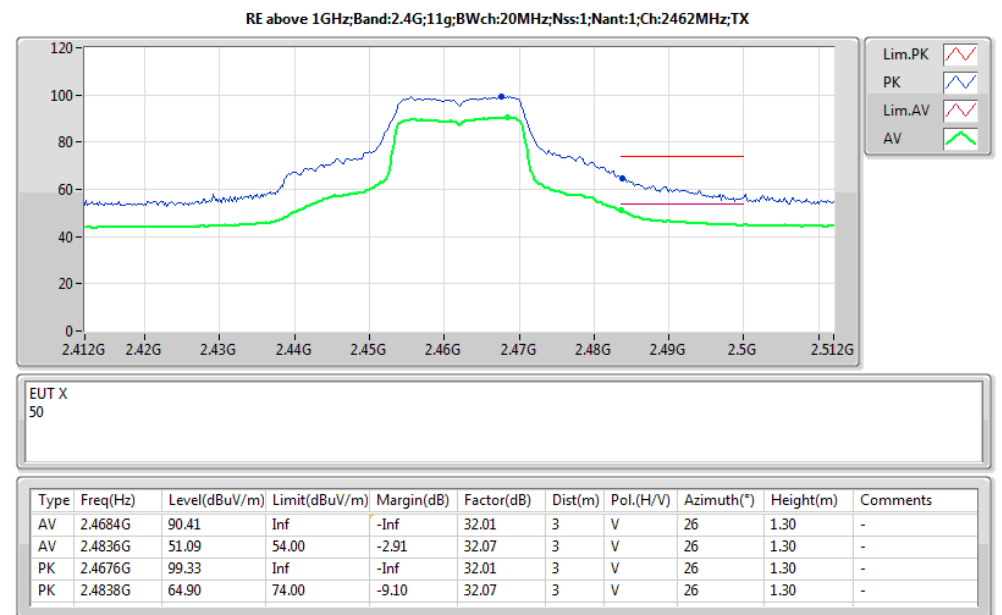
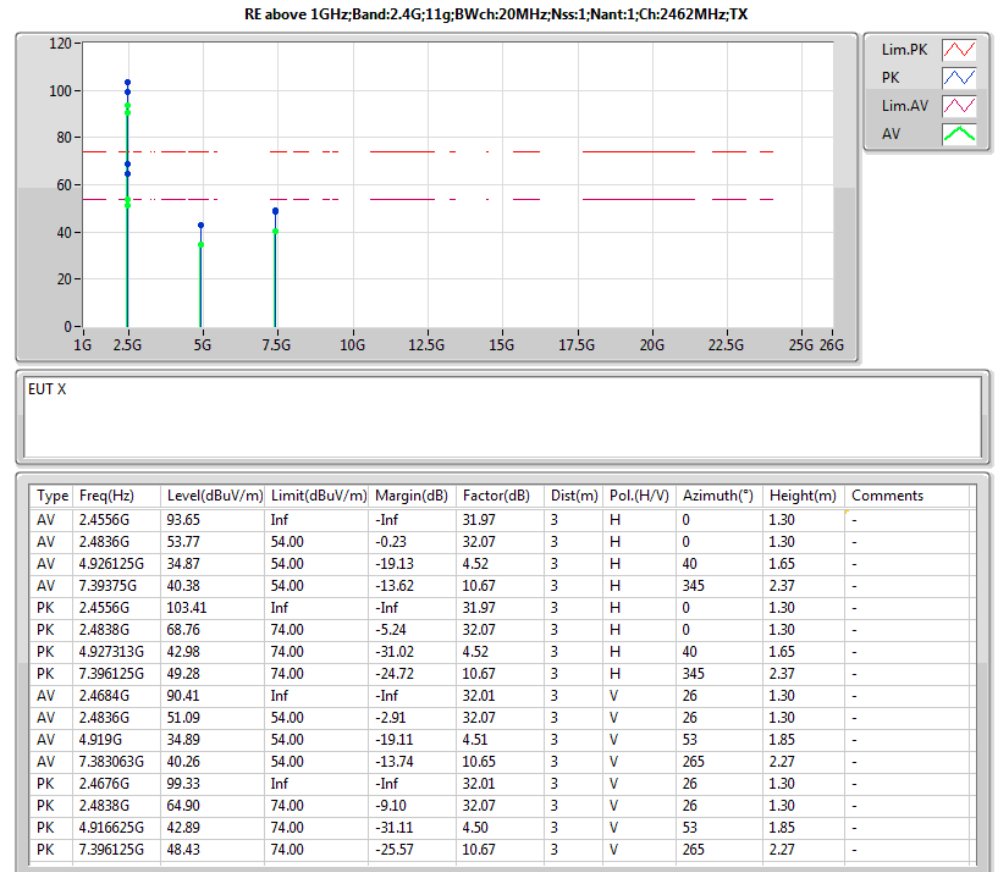
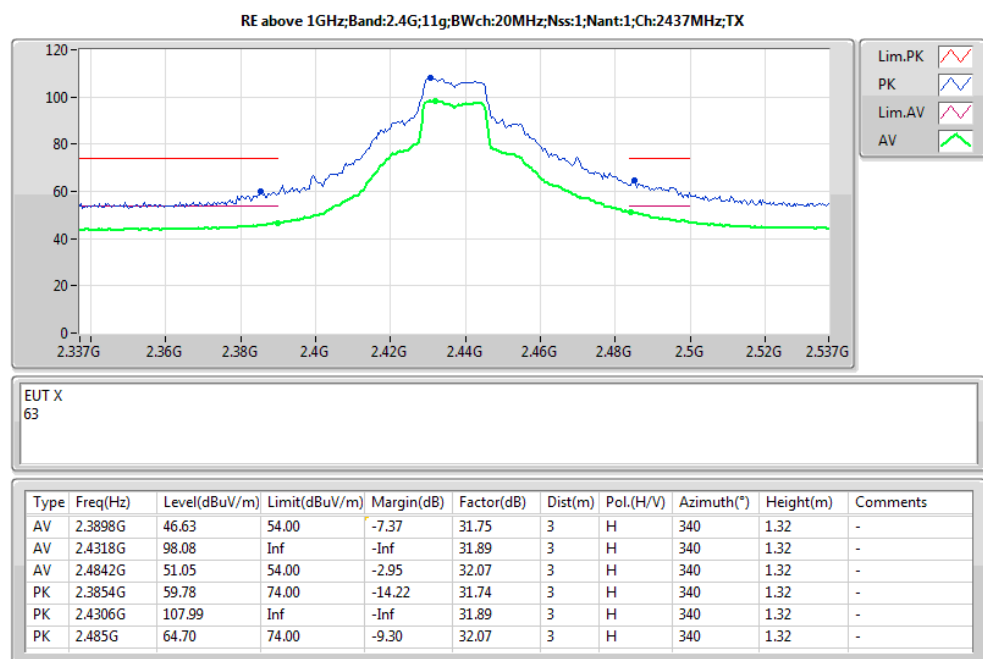
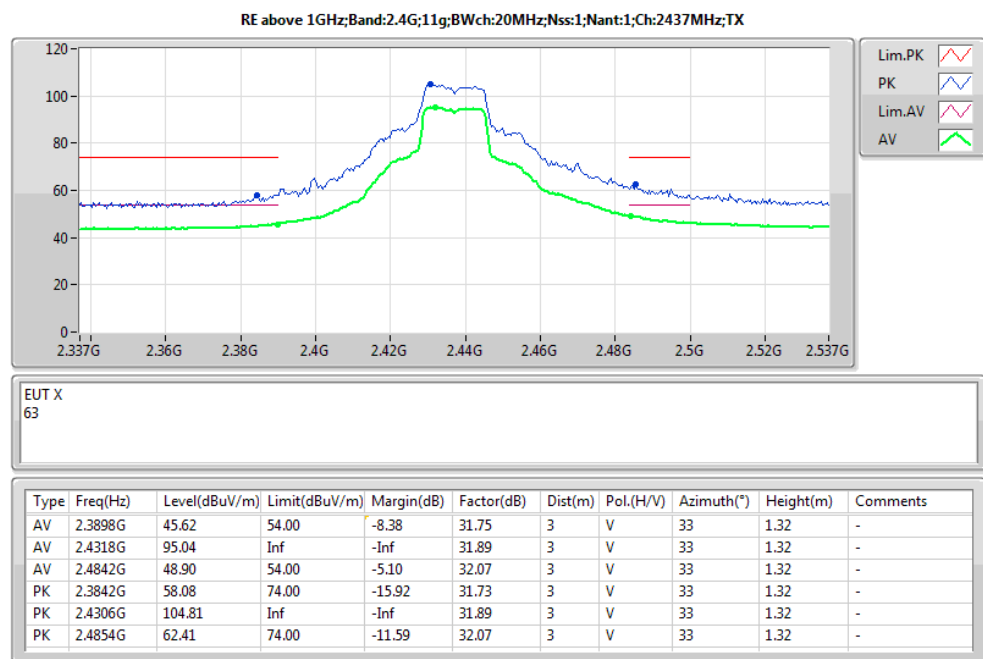
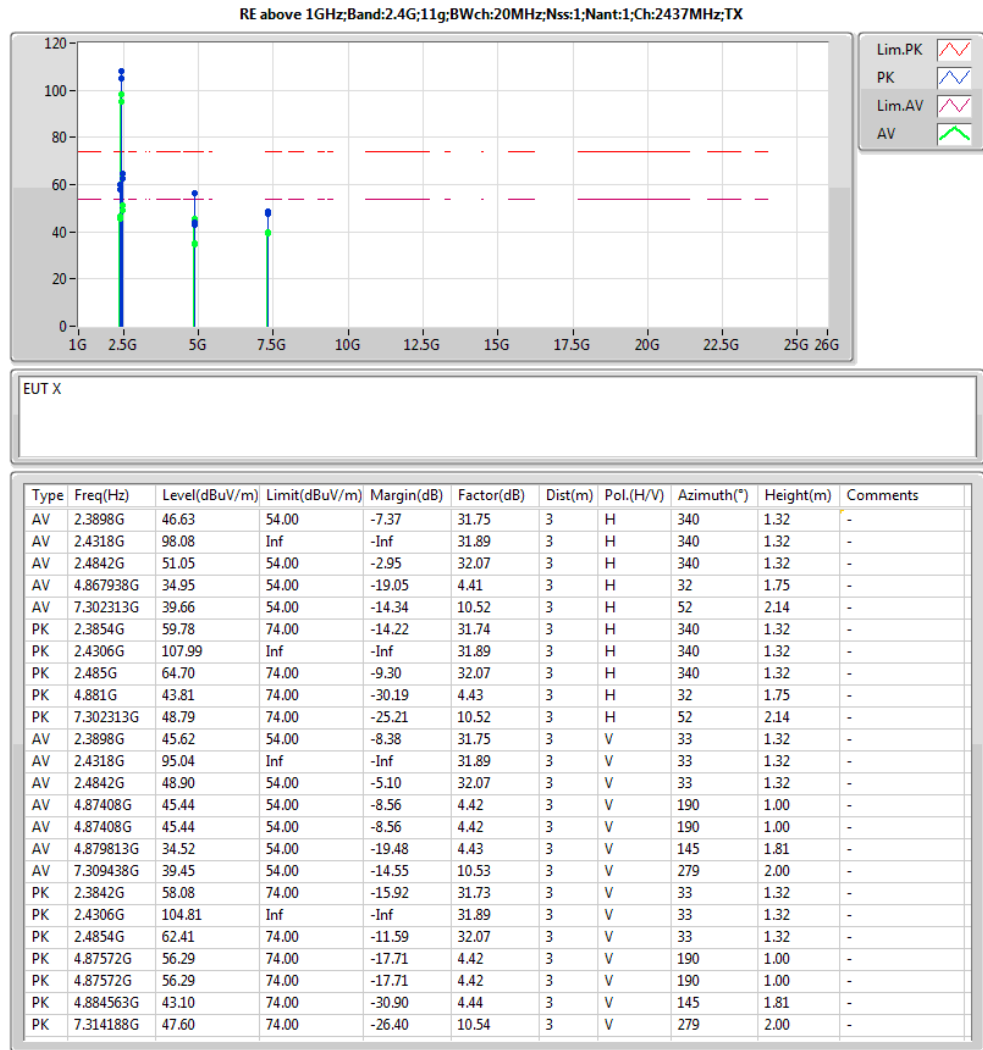
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3892G	47.07	54.00	-6.93	31.75	3	H	333	1.29	-
AV	2.4536G	91.59	Inf	-Inf	31.96	3	H	333	1.29	-
AV	2.4836G	53.40	54.00	-0.60	32.07	3	H	333	1.29	-
AV	4.902375G	34.86	54.00	-19.14	4.47	3	H	333	1.83	-
AV	7.345063G	40.15	54.00	-13.85	10.59	3	H	63	1.81	-
PK	2.37G	57.81	74.00	-16.19	31.69	3	H	333	1.29	-
PK	2.4536G	100.84	Inf	-Inf	31.96	3	H	333	1.29	-
PK	2.4836G	65.38	74.00	-8.62	32.07	3	H	333	1.29	-
PK	4.903563G	43.52	74.00	-30.48	4.48	3	H	333	1.83	-
PK	7.351G	49.55	74.00	-24.45	10.60	3	H	63	1.81	-
AV	2.388G	47.06	54.00	-6.94	31.74	3	V	40	1.06	-
AV	2.4536G	90.23	Inf	-Inf	31.96	3	V	40	1.06	-
AV	2.4852G	53.15	54.00	-0.85	32.07	3	V	40	1.06	-
AV	4.894063G	34.98	54.00	-19.02	4.46	3	V	48	1.92	-
AV	7.347438G	40.57	54.00	-13.43	10.59	3	V	78	1.60	-
PK	2.3688G	58.45	74.00	-15.55	31.68	3	V	40	1.06	-
PK	2.456G	99.02	Inf	-Inf	31.97	3	V	40	1.06	-
PK	2.4872G	64.95	74.00	-9.05	32.08	3	V	40	1.06	-
PK	4.919G	43.47	74.00	-30.53	4.51	3	V	48	1.92	-
PK	7.34625G	49.66	74.00	-24.34	10.59	3	V	78	1.60	-

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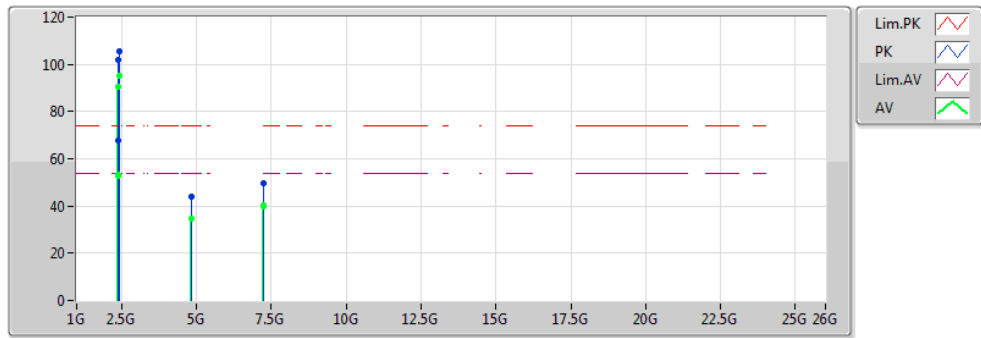
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AV	2.388G	47.06	54.00	-6.94	31.74	3	V	40	1.06	-
AV	2.4536G	90.23	Inf	-Inf	31.96	3	V	40	1.06	-
AV	2.4852G	53.15	54.00	-0.85	32.07	3	V	40	1.06	-
PK	2.3688G	58.45	74.00	-15.55	31.68	3	V	40	1.06	-
PK	2.456G	99.02	Inf	-Inf	31.97	3	V	40	1.06	-
PK	2.4872G	64.95	74.00	-9.05	32.08	3	V	40	1.06	-

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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3892G	47.07	54.00	-6.93	31.75	3	H	333	1.29	-
AV	2.4536G	91.59	Inf	-Inf	31.96	3	H	333	1.29	-
AV	2.4836G	53.40	54.00	-0.60	32.07	3	H	333	1.29	-
PK	2.37G	57.81	74.00	-16.19	31.69	3	H	333	1.29	-
PK	2.4536G	100.84	Inf	-Inf	31.96	3	H	333	1.29	-
PK	2.4836G	65.38	74.00	-8.62	32.07	3	H	333	1.29	-

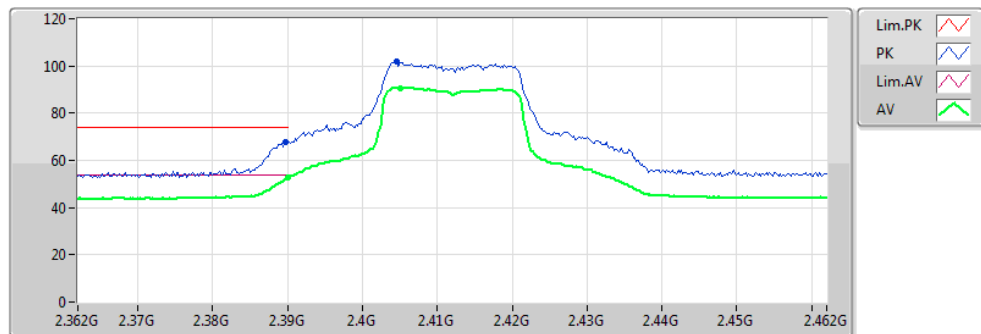


RE above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:2;(M8-15);Nant:2;Ch:2412MHz;TX

EUT X
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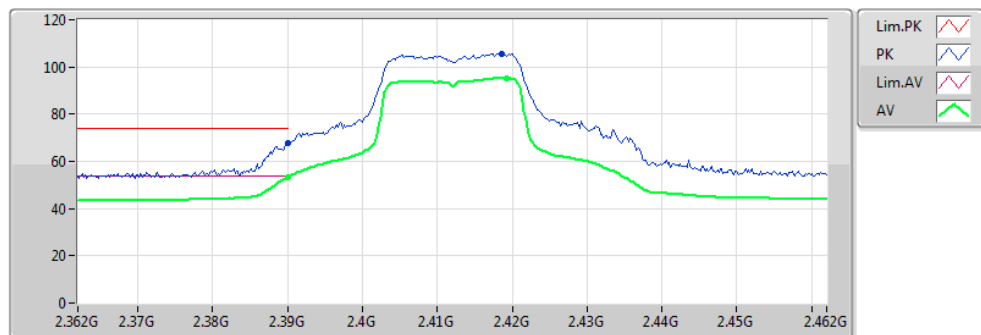
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AV	2.39G	53.22	54.00	-0.78	31.75	3	H	352	1.28	-
AV	2.4192G	95.18	Inf	-Inf	31.85	3	H	352	1.28	-
AV	4.826375G	34.86	54.00	-19.14	4.32	3	H	189	2.34	-
AV	7.242938G	39.94	Inf	-Inf	10.42	3	H	322	1.70	-
PK	2.39G	67.70	74.00	-6.30	31.75	3	H	352	1.28	-
PK	2.4186G	105.71	Inf	-Inf	31.84	3	H	352	1.28	-
PK	4.816875G	43.86	74.00	-30.14	4.30	3	H	189	2.34	-
PK	7.245313G	49.79	Inf	-Inf	10.42	3	H	322	1.70	-
AV	2.39G	52.55	54.00	-1.45	31.75	3	V	319	1.25	-
AV	2.405G	90.59	Inf	-Inf	31.80	3	V	319	1.25	-
AV	4.821625G	34.74	54.00	-19.26	4.31	3	V	126	2.22	-
AV	7.226313G	40.42	Inf	-Inf	10.39	3	V	31	2.04	-
PK	2.3898G	67.92	74.00	-6.08	31.75	3	V	319	1.25	-
PK	2.4046G	101.90	Inf	-Inf	31.80	3	V	319	1.25	-
PK	4.826375G	43.73	74.00	-30.27	4.32	3	V	126	2.22	-
PK	7.237G	49.62	Inf	-Inf	10.41	3	V	31	2.04	-

RE above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:2;(M8-15);Nant:2;Ch:2412MHz;TX

EUT X
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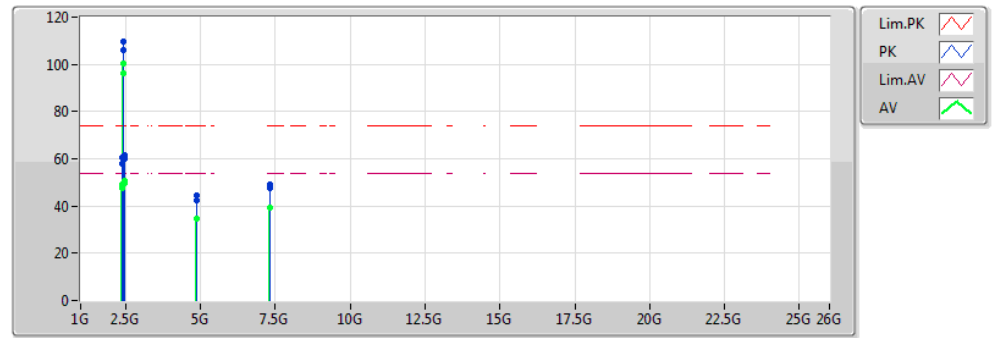
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	52.55	54.00	-1.45	31.75	3	V	319	1.25	-
AV	2.405G	90.59	Inf	-Inf	31.80	3	V	319	1.25	-
PK	2.3898G	67.92	74.00	-6.08	31.75	3	V	319	1.25	-
PK	2.4046G	101.90	Inf	-Inf	31.80	3	V	319	1.25	-

RE above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:2;(M8-15);Nant:2;Ch:2412MHz;TX

EUT X
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	53.22	54.00	-0.78	31.75	3	H	352	1.28	-
AV	2.4192G	95.18	Inf	-Inf	31.85	3	H	352	1.28	-
PK	2.39G	67.70	74.00	-6.30	31.75	3	H	352	1.28	-
PK	2.4186G	105.71	Inf	-Inf	31.84	3	H	352	1.28	-

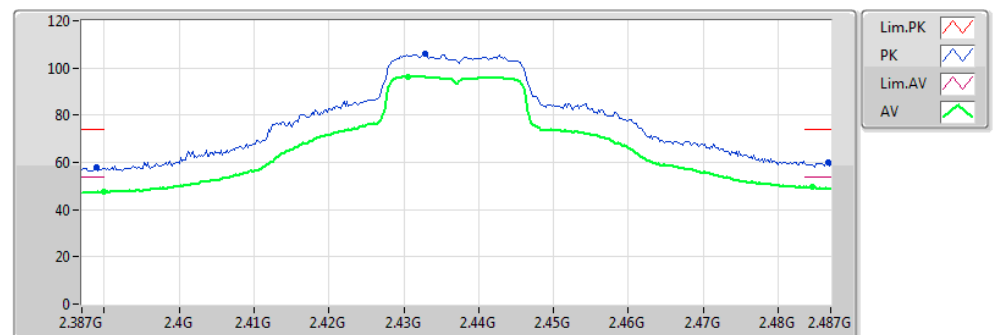
RE above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:2;(M8-15);Nant:2;Ch:2437MHz;TX



EUT X

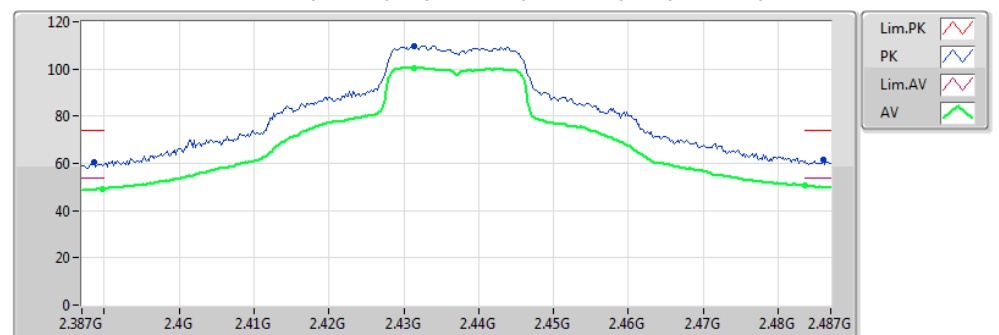
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3898G	49.39	54.00	-4.61	31.75	3	H	342	1.13	-
AV	2.4314G	100.47	Inf	-Inf	31.89	3	H	342	1.13	-
AV	2.4836G	50.64	54.00	-3.36	32.07	3	H	342	1.13	-
AV	4.865563G	34.56	54.00	-19.44	4.40	3	H	115	2.14	-
AV	7.3035G	39.29	54.00	-14.71	10.53	3	H	105	2.37	-
PK	2.3886G	60.47	74.00	-13.53	31.75	3	H	342	1.13	-
PK	2.4314G	109.86	Inf	-Inf	31.89	3	H	342	1.13	-
PK	2.486G	61.32	74.00	-12.68	32.07	3	H	342	1.13	-
PK	4.867938G	44.23	74.00	-29.77	4.41	3	H	115	2.14	-
PK	7.302313G	49.32	74.00	-24.68	10.52	3	H	105	2.37	-
AV	2.39G	47.55	54.00	-6.45	31.75	3	V	360	1.41	-
AV	2.4306G	96.31	Inf	-Inf	31.89	3	V	360	1.41	-
AV	2.4846G	49.49	54.00	-4.51	32.07	3	V	360	1.41	-
AV	4.882188G	34.72	54.00	-19.28	4.43	3	V	239	2.27	-
AV	7.3035G	39.42	54.00	-14.58	10.53	3	V	41	2.22	-
PK	2.389G	58.13	74.00	-15.87	31.75	3	V	360	1.41	-
PK	2.4328G	106.07	Inf	-Inf	31.89	3	V	360	1.41	-
PK	2.4866G	60.13	74.00	-13.87	32.08	3	V	360	1.41	-
PK	4.884563G	42.57	74.00	-31.43	4.44	3	V	239	2.27	-
PK	7.318938G	47.84	74.00	-26.16	10.55	3	V	41	2.22	-

RE above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:2;(M8-15);Nant:2;Ch:2437MHz;TX

EUT X
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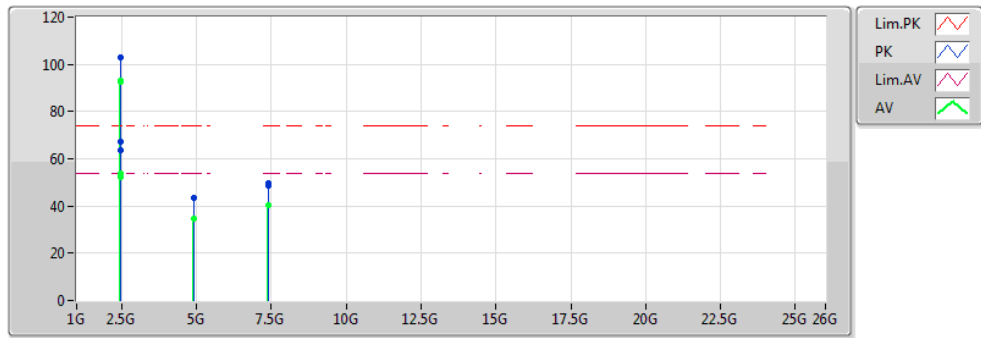
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	47.55	54.00	-6.45	31.75	3	V	360	1.41	-
AV	2.4306G	96.31	Inf	-Inf	31.89	3	V	360	1.41	-
AV	2.4846G	49.49	54.00	-4.51	32.07	3	V	360	1.41	-
PK	2.389G	58.13	74.00	-15.87	31.75	3	V	360	1.41	-
PK	2.4328G	106.07	Inf	-Inf	31.89	3	V	360	1.41	-
PK	2.4866G	60.13	74.00	-13.87	32.08	3	V	360	1.41	-

RE above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:2;(M8-15);Nant:2;Ch:2437MHz;TX

EUT X
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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	49.39	54.00	-4.61	31.75	3	H	342	1.13	-
AV	2.4314G	100.47	Inf	-Inf	31.89	3	H	342	1.13	-
AV	2.4836G	50.64	54.00	-3.36	32.07	3	H	342	1.13	-
PK	2.3886G	60.47	74.00	-13.53	31.75	3	H	342	1.13	-
PK	2.4314G	109.86	Inf	-Inf	31.89	3	H	342	1.13	-
PK	2.486G	61.32	74.00	-12.68	32.07	3	H	342	1.13	-

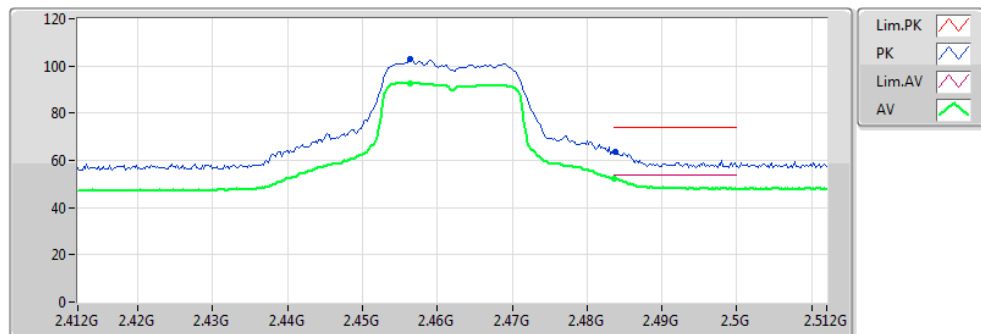
RE above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:2,(M8-15);Nant:2;Ch:2462MHz;TX



EUT X

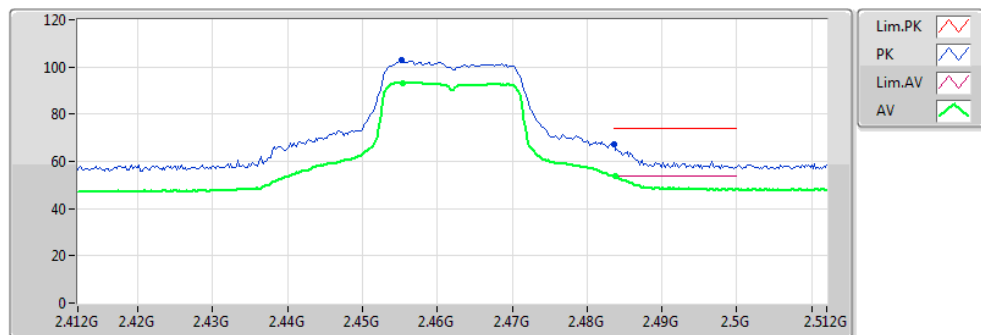
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4554G	93.34	Inf	-Inf	31.97	3	H	333	1.29	-
AV	2.4838G	53.79	54.00	-0.21	32.07	3	H	333	1.29	-
AV	4.917813G	34.79	54.00	-19.21	4.50	3	H	250	2.27	-
AV	7.392563G	40.19	54.00	-13.81	10.66	3	H	333	1.90	-
PK	2.4552G	103.09	Inf	-Inf	31.97	3	H	333	1.29	-
PK	2.4836G	67.14	74.00	-6.86	32.07	3	H	333	1.29	-
PK	4.927313G	43.28	74.00	-30.72	4.52	3	H	250	2.27	-
PK	7.394938G	49.46	74.00	-24.54	10.67	3	H	333	1.90	-
AV	2.4564G	92.79	Inf	-Inf	31.97	3	V	0	1.37	-
AV	2.4836G	52.28	54.00	-1.72	32.07	3	V	0	1.37	-
AV	4.926125G	34.85	54.00	-19.15	4.52	3	V	142	1.58	-
AV	7.396125G	40.34	54.00	-13.66	10.67	3	V	136	2.01	-
PK	2.4564G	103.00	Inf	-Inf	31.97	3	V	0	1.37	-
PK	2.4838G	63.86	74.00	-10.14	32.07	3	V	0	1.37	-
PK	4.916625G	43.23	74.00	-30.77	4.50	3	V	142	1.58	-
PK	7.389G	48.47	74.00	-25.53	10.66	3	V	136	2.01	-

RE above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:2,(M8-15);Nant:2;Ch:2462MHz;TX

EUT X
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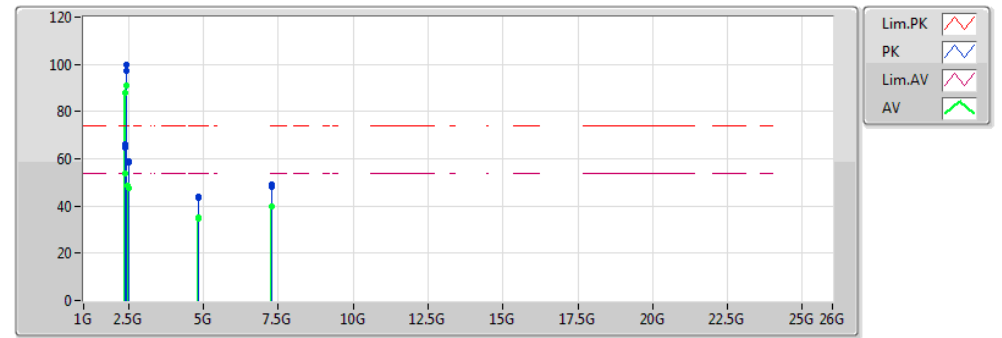
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4564G	92.79	Inf	-Inf	31.97	3	V	0	1.37	-
AV	2.4836G	52.28	54.00	-1.72	32.07	3	V	0	1.37	-
PK	2.4564G	103.00	Inf	-Inf	31.97	3	V	0	1.37	-
PK	2.4838G	63.86	74.00	-10.14	32.07	3	V	0	1.37	-

RE above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:2,(M8-15);Nant:2;Ch:2462MHz;TX

EUT X
47/48

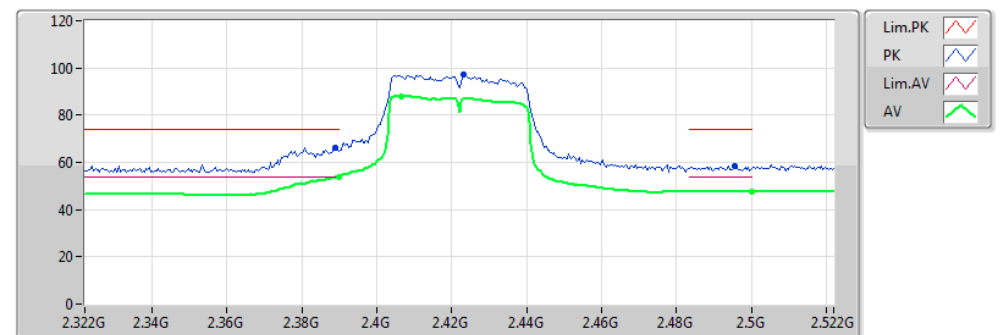
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4554G	93.34	Inf	-Inf	31.97	3	H	333	1.29	-
AV	2.4838G	53.79	54.00	-0.21	32.07	3	H	333	1.29	-
PK	2.4552G	103.09	Inf	-Inf	31.97	3	H	333	1.29	-
PK	2.4836G	67.14	74.00	-6.86	32.07	3	H	333	1.29	-

RE above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:2,(M8-15);Nant:2;Ch:2422MHz;TX

EUT X
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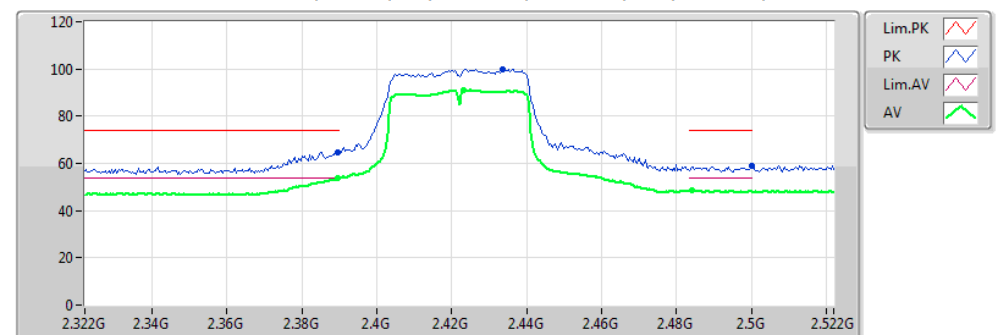
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3896G	53.68	54.00	-0.32	31.75	3	H	335	1.28	-
AV	2.4232G	90.94	Inf	-Inf	31.86	3	H	335	1.28	-
AV	2.484G	48.38	54.00	-5.62	32.07	3	H	335	1.28	-
AV	4.825188G	35.01	54.00	-18.99	4.32	3	H	49	1.74	-
AV	7.276188G	40.03	54.00	-13.97	10.48	3	H	82	1.82	-
PK	2.3896G	64.86	74.00	-9.14	31.75	3	H	335	1.28	-
PK	2.4336G	99.90	Inf	-Inf	31.90	3	H	335	1.28	-
PK	2.5G	58.76	74.00	-15.24	32.12	3	H	335	1.28	-
PK	4.824G	43.68	74.00	-30.32	4.32	3	H	49	1.74	-
PK	7.271438G	49.01	74.00	-24.99	10.47	3	H	82	1.82	-
AV	2.39G	53.76	54.00	-0.24	31.75	3	V	214	1.25	-
AV	2.4064G	88.09	Inf	-Inf	31.80	3	V	214	1.25	-
AV	2.5G	47.48	54.00	-6.52	32.12	3	V	214	1.25	-
AV	4.825188G	34.48	54.00	-19.52	4.32	3	V	198	1.56	-
AV	7.276188G	39.87	54.00	-14.13	10.48	3	V	4	2.05	-
PK	2.3888G	66.35	74.00	-7.65	31.75	3	V	214	1.25	-
PK	2.4232G	97.42	Inf	-Inf	31.86	3	V	214	1.25	-
PK	2.4956G	58.46	74.00	-15.54	32.11	3	V	214	1.25	-
PK	4.826375G	43.91	74.00	-30.09	4.32	3	V	198	1.56	-
PK	7.285688G	47.90	74.00	-26.10	10.50	3	V	4	2.05	-

RE above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:2,(M8-15);Nant:2;Ch:2422MHz;TX

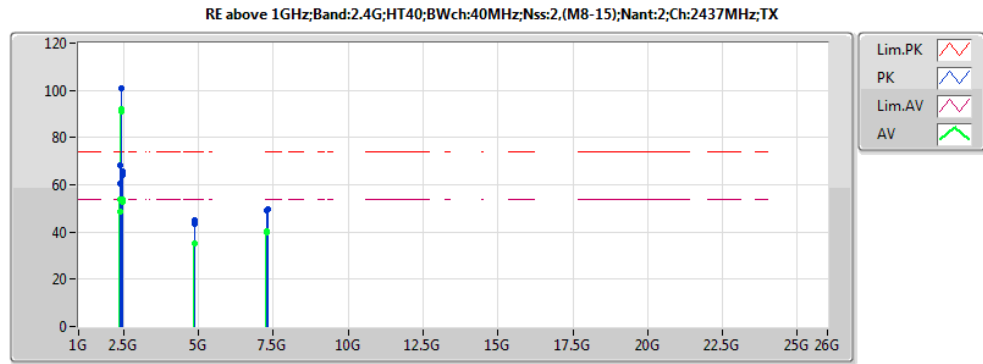
EUT X
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	53.76	54.00	-0.24	31.75	3	V	214	1.25	-
AV	2.4064G	88.09	Inf	-Inf	31.80	3	V	214	1.25	-
AV	2.5G	47.48	54.00	-6.52	32.12	3	V	214	1.25	-
PK	2.3888G	66.35	74.00	-7.65	31.75	3	V	214	1.25	-
PK	2.4232G	97.42	Inf	-Inf	31.86	3	V	214	1.25	-
PK	2.4956G	58.46	74.00	-15.54	32.11	3	V	214	1.25	-

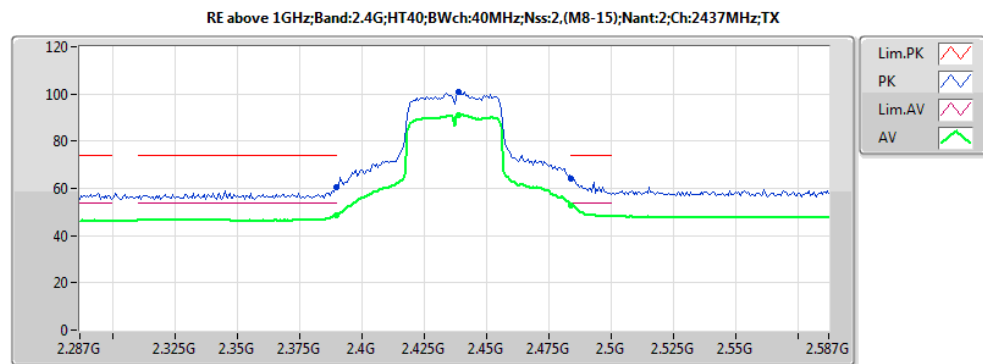
RE above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:2,(M8-15);Nant:2;Ch:2422MHz;TX

EUT X
50/50

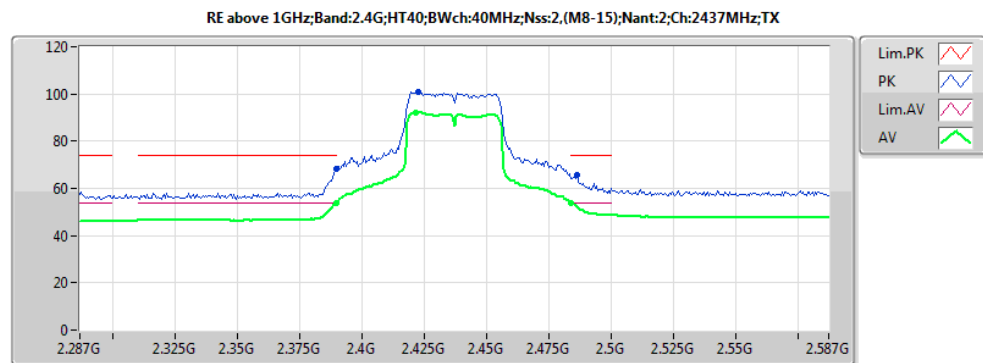
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3896G	53.68	54.00	-0.32	31.75	3	H	335	1.28	-
AV	2.4232G	90.94	Inf	-Inf	31.86	3	H	335	1.28	-
AV	2.484G	48.38	54.00	-5.62	32.07	3	H	335	1.28	-
PK	2.3896G	64.86	74.00	-9.14	31.75	3	H	335	1.28	-
PK	2.4336G	99.90	Inf	-Inf	31.90	3	H	335	1.28	-
PK	2.5G	58.76	74.00	-15.24	32.12	3	H	335	1.28	-

EUT X
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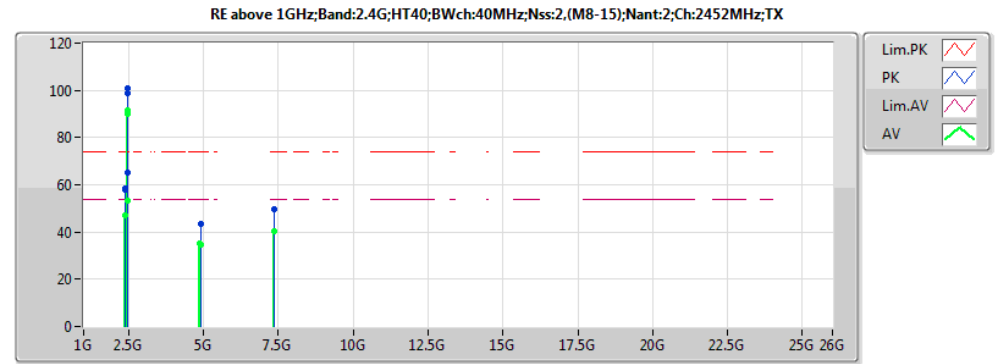
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3896G	53.91	54.00	-0.09	31.75	3	H	333	1.25	-
AV	2.4214G	92.02	Inf	-Inf	31.85	3	H	333	1.25	-
AV	2.4838G	53.67	54.00	-0.33	32.07	3	H	333	1.25	-
AV	4.881G	35.13	54.00	-18.87	4.43	3	H	58	2.08	-
AV	7.294G	40.18	54.00	-13.82	10.51	3	H	214	1.99	-
PK	2.3896G	68.26	74.00	-5.74	31.75	3	H	333	1.25	-
PK	2.4226G	100.94	Inf	-Inf	31.86	3	H	333	1.25	-
PK	2.4862G	65.61	74.00	-8.39	32.07	3	H	333	1.25	-
PK	4.867938G	44.78	74.00	-29.22	4.41	3	H	58	2.08	-
PK	7.328438G	49.62	74.00	-24.38	10.56	3	H	214	1.99	-
AV	2.3896G	48.62	54.00	-5.38	31.75	3	V	1	1.13	-
AV	2.4388G	90.98	Inf	-Inf	31.91	3	V	1	1.13	-
AV	2.4838G	53.01	54.00	-0.99	32.07	3	V	1	1.13	-
AV	4.889313G	35.42	54.00	-18.58	4.45	3	V	186	1.90	-
AV	7.292813G	39.97	54.00	-14.03	10.51	3	V	101	1.79	-
PK	2.3896G	60.29	74.00	-13.71	31.75	3	V	1	1.13	-
PK	2.4388G	101.02	Inf	-Inf	31.91	3	V	1	1.13	-
PK	2.4838G	64.27	74.00	-9.73	32.07	3	V	1	1.13	-
PK	4.869125G	43.64	74.00	-30.36	4.41	3	V	186	1.90	-
PK	7.291625G	48.91	74.00	-25.09	10.51	3	V	101	1.79	-

EUT X
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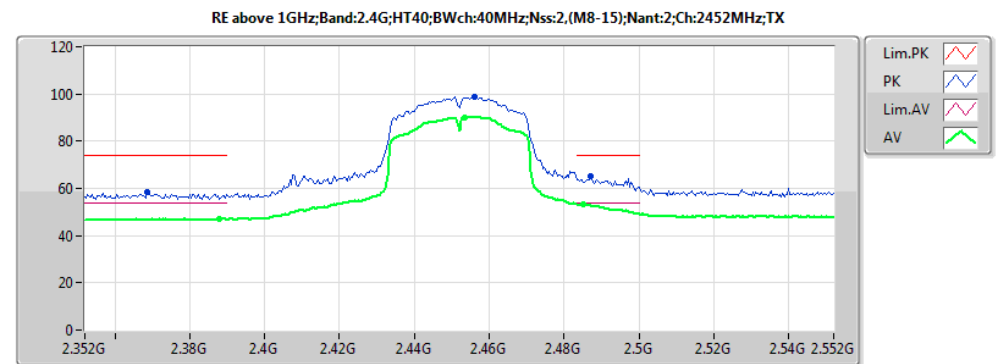
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3896G	48.62	54.00	-5.38	31.75	3	V	1	1.13	-
AV	2.4388G	90.98	Inf	-Inf	31.91	3	V	1	1.13	-
AV	2.4838G	53.01	54.00	-0.99	32.07	3	V	1	1.13	-
PK	2.3896G	60.29	74.00	-13.71	31.75	3	V	1	1.13	-
PK	2.4388G	101.02	Inf	-Inf	31.91	3	V	1	1.13	-
PK	2.4838G	64.27	74.00	-9.73	32.07	3	V	1	1.13	-

EUT X
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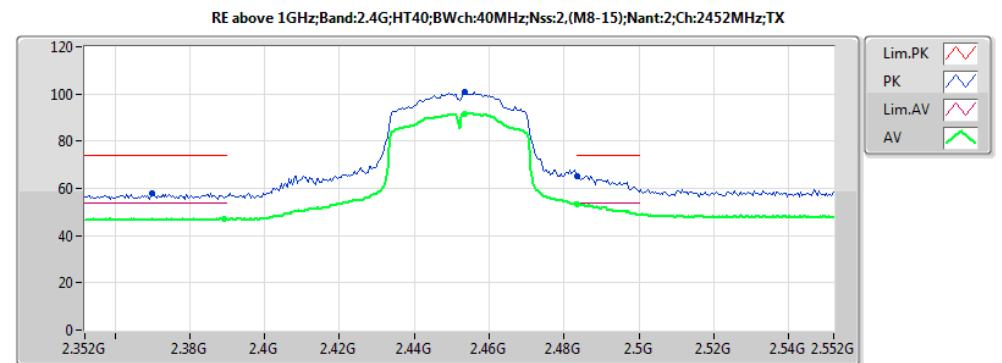
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3896G	53.91	54.00	-0.09	31.75	3	H	333	1.25	-
AV	2.4214G	92.02	Inf	-Inf	31.85	3	H	333	1.25	-
AV	2.4838G	53.67	54.00	-0.33	32.07	3	H	333	1.25	-
PK	2.3896G	68.26	74.00	-5.74	31.75	3	H	333	1.25	-
PK	2.4226G	100.94	Inf	-Inf	31.86	3	H	333	1.25	-
PK	2.4862G	65.61	74.00	-8.39	32.07	3	H	333	1.25	-

EUT X
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3892G	47.07	54.00	-6.93	31.75	3	H	333	1.29	-
AV	2.4536G	91.59	Inf	-Inf	31.96	3	H	333	1.29	-
AV	2.4836G	53.40	54.00	-0.60	32.07	3	H	333	1.29	-
AV	4.902375G	34.86	54.00	-19.14	4.47	3	H	333	1.83	-
AV	7.345063G	40.15	54.00	-13.85	10.59	3	H	63	1.81	-
PK	2.37G	57.81	74.00	-16.19	31.69	3	H	333	1.29	-
PK	2.4536G	100.84	Inf	-Inf	31.96	3	H	333	1.29	-
PK	2.4836G	65.38	74.00	-8.62	32.07	3	H	333	1.29	-
PK	4.903563G	43.52	74.00	-30.48	4.48	3	H	333	1.83	-
PK	7.351G	49.55	74.00	-24.45	10.60	3	H	63	1.81	-
AV	2.388G	47.06	54.00	-6.94	31.74	3	V	40	1.06	-
AV	2.4536G	90.23	Inf	-Inf	31.96	3	V	40	1.06	-
AV	2.4852G	53.15	54.00	-0.85	32.07	3	V	40	1.06	-
AV	4.894063G	34.98	54.00	-19.02	4.46	3	V	48	1.92	-
AV	7.347438G	40.57	54.00	-13.43	10.59	3	V	78	1.60	-
PK	2.3688G	58.45	74.00	-15.55	31.68	3	V	40	1.06	-
PK	2.456G	99.02	Inf	-Inf	31.97	3	V	40	1.06	-
PK	2.4872G	64.95	74.00	-9.05	32.08	3	V	40	1.06	-
PK	4.919G	43.47	74.00	-30.53	4.51	3	V	48	1.92	-
PK	7.34625G	49.66	74.00	-24.34	10.59	3	V	78	1.60	-

EUT X
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.388G	47.06	54.00	-6.94	31.74	3	V	40	1.06	-
AV	2.4536G	90.23	Inf	-Inf	31.96	3	V	40	1.06	-
AV	2.4852G	53.15	54.00	-0.85	32.07	3	V	40	1.06	-
PK	2.3688G	58.45	74.00	-15.55	31.68	3	V	40	1.06	-
PK	2.456G	99.02	Inf	-Inf	31.97	3	V	40	1.06	-
PK	2.4872G	64.95	74.00	-9.05	32.08	3	V	40	1.06	-

EUT X
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3892G	47.07	54.00	-6.93	31.75	3	H	333	1.29	-
AV	2.4536G	91.59	Inf	-Inf	31.96	3	H	333	1.29	-
AV	2.4836G	53.40	54.00	-0.60	32.07	3	H	333	1.29	-
PK	2.37G	57.81	74.00	-16.19	31.69	3	H	333	1.29	-
PK	2.4536G	100.84	Inf	-Inf	31.96	3	H	333	1.29	-
PK	2.4836G	65.38	74.00	-8.62	32.07	3	H	333	1.29	-