



FCC Test Report

Equipment : 802.11 abgn 2x2 PCIe Module
Brand Name : WNC
Model No. : DNXA-G1-P1
FCC ID : NKR-DNXAG1
Standard : 47 CFR FCC Part 15.247
Operating Band : 2400 MHz – 2483.5 MHz
Function : ☒ Point-to-multipoint; ☐ Point-to-point
Applicant : Wistron NeWeb Corporation
20 Park Avenue II Hsinchu Science Park Hsinchu,
308 Taiwan
Manufacturer : Wistron NeWeb Corporation
20 Park Avenue II Hsinchu Science Park Hsinchu,
308 Taiwan

The product sample received on Aug. 23, 2016 and completely tested on Oct. 11, 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.



Table of Contents

1	GENERAL DESCRIPTION	5
1.1	Information.....	5
1.2	Testing Applied Standards	7
1.3	Testing Location Information.....	7
1.4	Measurement Uncertainty	7
2	TEST CONFIGURATION OF EUT	8
2.1	Test Channel Mode	8
2.2	The Worst Case Measurement Configuration.....	9
2.3	EUT Operation during Test	9
2.4	Accessories	9
2.5	Support Equipment.....	9
2.6	Test Setup Diagram	10
3	TRANSMITTER TEST RESULT	11
3.1	Fundamental Emission Output Power.....	11
3.2	Emissions in Restricted Frequency Bands.....	13
4	TEST EQUIPMENT AND CALIBRATION DATA	15
APPENDIX A. TEST RESULTS OF FUNDAMENTAL EMISSION OUTPUT POWER		
APPENDIX B. TEST RESULTS OF EMISSIONS IN RESTRICTED FREQUENCY BANDS		
APPENDIX C. TEST PHOTOS		



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	15.247(b)	Fundamental Emission Output Power	Power [dBm]:30	Complied
3.2	15.247(d)	Emissions in Restricted Frequency Bands	Restricted Bands: FCC 15.209	Complied



SPORTON INTERNATIONAL INC.
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FCC ID: NKR-DNXAG1

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
2.4G	11b	20	2
2.4G	11g	20	2
2.4G	HT20	20	2
2.4G	HT40	40	2

Note:

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

1.1.2 Antenna Information

Ant No.	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)	
			2400~2483.5	5150~5250
1	Dipole	U.FL	3.5	0

1.1.3 Mode Test Duty Cycle

Mode	DC	T(s)	VBW(Hz) ≥ 1/T
11b	1	n/a (DC>=0.98)	n/a (DC>=0.98)
11g	1	n/a (DC>=0.98)	n/a (DC>=0.98)
HT20	1	n/a (DC>=0.98)	n/a (DC>=0.98)
HT40	1	n/a (DC>=0.98)	n/a (DC>=0.98)

1.1.4 EUT Operational Condition

EUT Power Type	3.3Vdc from host		
Beamforming Function	☐ With beamforming	☒ Without beamforming	



1.1.5 Table for Class II Change

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
1. Adding same type of Dipole antennas with lower gain.	1. Fundamental Emission Output Power 2. Emissions in Restricted Frequency Bands

1.2 Testing Applied Standards

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

- ◆ 47 CFR FCC Part 15
- ◆ ANSI C63.10-2013
- ◆ FCC KDB 558074 D01 v03r05
- ◆ FCC KDB 662911 D01 v02r01

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	Welson Chen	22°C / 54%	Oct. 05, 2016~Oct. 11 2016
Radiated	03CH01-CB	Welson Chen	22°C / 54%	Oct. 05, 2016~Oct. 11 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
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	2	2412	L	0
2.4G	11b	20	1	2	2437	M	2
2.4G	11b	20	1	2	2462	H	1
2.4G	11g	20	1	2	2412	L	2
2.4G	11g	20	1	2	2437	M	0
2.4G	11g	20	1	2	2462	H	1
2.4G	HT20	20	1,(M0)	2	2412	L	3
2.4G	HT20	20	1,(M0)	2	2437	M	0
2.4G	HT20	20	1,(M0)	2	2462	H	2
2.4G	HT40	40	1,(M0)	2	2422	L	5
2.4G	HT40	40	1,(M0)	2	2437	M	3
2.4G	HT40	40	1,(M0)	2	2452	H	3

Note:

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

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	Fundamental Emission Output Power
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode	CTX

Note: The EUT can only be used at Y axis position

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

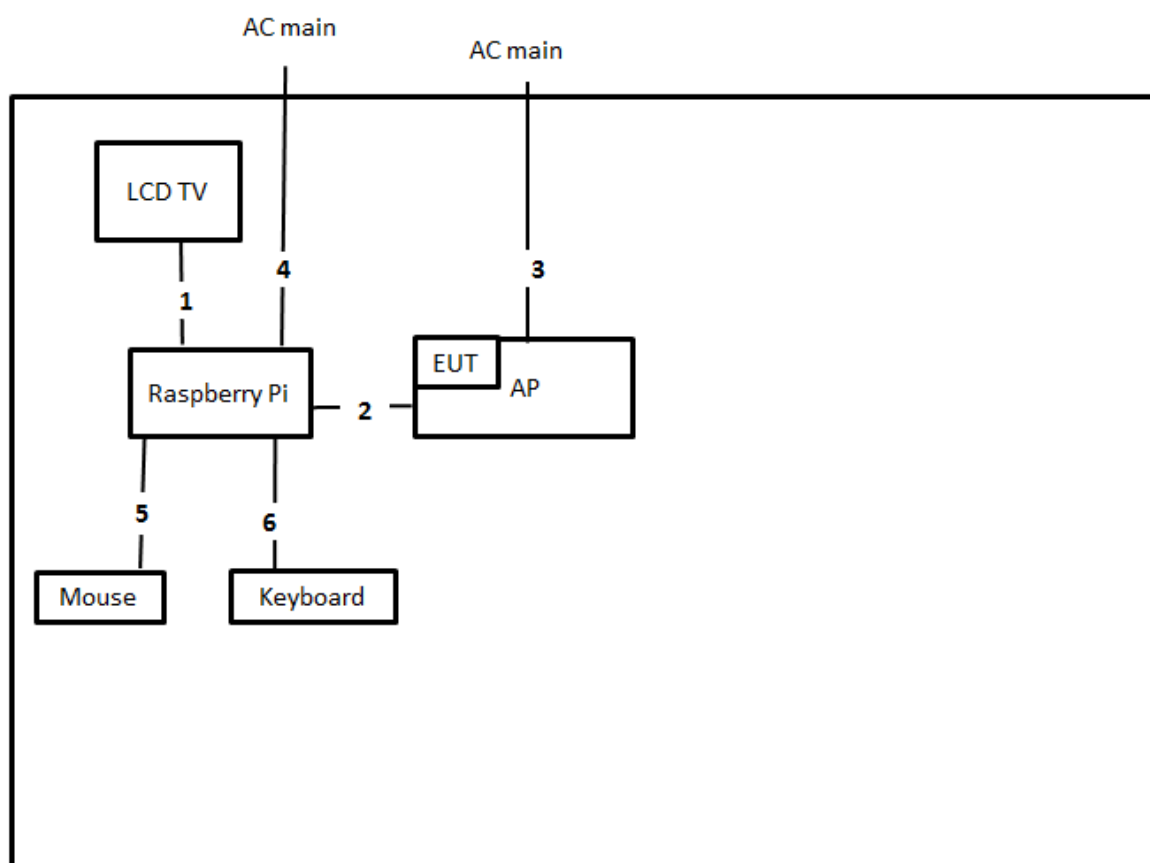
N/A

2.5 Support Equipment

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	LCD TV	SONY	KLV-32U300A	DoC
2	Mouse	Logitech	M-U0026	DoC
3	Keyboard	iCooky	SK068	DoC
4	AP	LANCOM	L-151E	DoC
5	Raspberry Pi	LANCOM	N/A	N/A

2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	HDMI cable	Yes	1.82m
2	RJ-45 cable	No	3m
3	Power cable	No	1.5m
4	Power cable	No	2m
5	USB cable	Yes	1.8m
6	USB cable	Yes	1.8m

3 Transmitter Test Result

3.1 Fundamental Emission Output Power

3.1.1 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):					
	<table> <tr> <td>-</td><td>Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm</td></tr> <tr> <td>-</td><td>Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm</td></tr> <tr> <td>-</td><td>Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm</td></tr> </table>	-	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	-
-	Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm					
-	Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm					
-	Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm					
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.						

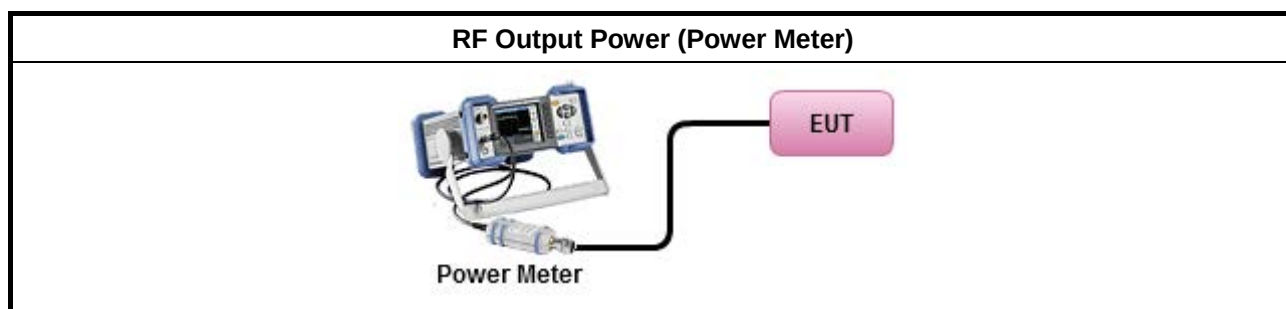
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as FCC KDB 558074, clause 9.1.1 Option 1 (RBW ≥ EBW method).
☐	Refer as FCC KDB 558074, clause 9.1.2 Option 2 (peak power meter for VBW ≥ DTS BW)
Maximum Conducted Output Power	
[duty cycle ≥ 98% or external video / power trigger]	
☐	Refer as FCC KDB 558074, clause 9.2.2.2 Method AVGSA-1 (spectral trace averaging).
☐	Refer as FCC KDB 558074, clause 9.2.2.3 Method AVGSA-1 Alt. (slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
☐	Refer as FCC KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
☐	Refer as FCC KDB 558074, clause 9.2.2.5 Method AVGSA-2 Alt. (slow sweep speed)
RF power meter and average over on/off periods with duty factor or gated trigger	
☒	Refer as FCC KDB 558074, clause 9.2.3 Method AVGPM-G (using an RF average power meter).
☒	Refer as FCC KDB 558074, clause 9.1.2 PKPM1 Peak power meter method.
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.1.4 Test Setup



3.1.5 Test Result of Maximum Conducted Output Power

Refer as Appendix A

3.2 Emissions in Restricted Frequency Bands

3.2.1 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.

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Result of Transmitter Radiated Unwanted Emissions

Refer as Appendix B

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Oct. 22, 2015	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 25, 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)
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)
Test Software	Audix	E3	6.2009-I0-7	N/A	N/A	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 09, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Nov. 02, 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)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 02, 2015	Conducted (TH01-CB)

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



Average Result:

Mode	Conducted Setting	DG.Power (dBi)	EIRP (dBm)	EIRP.Lim (dBm)	Sum (dBm)	Sum.Lim (dBm)	P1 (dBm)	P2 (dBm)
2.4G;11b;Nss1;Ntx2;2412	0	3.50	24.25	36.00	20.75	30.00	17.64	17.84
2.4G;11b;Nss1;Ntx2;2437	2	3.50	22.96	36.00	19.46	30.00	16.22	16.66
2.4G;11b;Nss1;Ntx2;2462	1	3.50	22.08	36.00	18.58	30.00	15.61	15.53
2.4G;11g;Nss1;Ntx2;2412	2	3.50	20.78	36.00	17.28	30.00	14.31	14.23
2.4G;11g;Nss1;Ntx2;2437	0	3.50	23.98	36.00	20.48	30.00	17.61	17.32
2.4G;11g;Nss1;Ntx2;2462	1	3.50	21.01	36.00	17.51	30.00	14.4	14.6
2.4G;HT20;Nss1,(M0);Ntx2;2412	3	3.50	19.98	36.00	16.48	30.00	13.32	13.62
2.4G;HT20;Nss1,(M0);Ntx2;2437	0	3.50	25.29	36.00	21.79	30.00	18.88	18.68
2.4G;HT20;Nss1,(M0);Ntx2;2462	2	3.50	20.02	36.00	16.52	30.00	13.35	13.66
2.4G;HT40;Nss1,(M0);Ntx2;2422	5	3.50	18.74	36.00	15.24	30.00	12.51	11.94
2.4G;HT40;Nss1,(M0);Ntx2;2437	3	3.50	20.87	36.00	17.37	30.00	14.42	14.29
2.4G;HT40;Nss1,(M0);Ntx2;2452	3	3.50	19.00	36.00	15.50	30.00	12.83	12.11

Peak Result:

Mode	Conducted Setting	DG.Power (dBi)	EIRP (dBm)	EIRP.Lim (dBm)	Sum (dBm)	Sum.Lim (dBm)	P1 (dBm)	P2 (dBm)
2.4G;11b;Nss1;Ntx2;2412	0	3.50	26.17	36.00	22.67	30.00	19.21	20.06
2.4G;11b;Nss1;Ntx2;2437	2	3.50	24.97	36.00	21.47	30.00	18.66	18.25
2.4G;11b;Nss1;Ntx2;2462	1	3.50	24.29	36.00	20.79	30.00	17.85	17.71
2.4G;11g;Nss1;Ntx2;2412	2	3.50	28.86	36.00	25.36	30.00	22.55	22.15
2.4G;11g;Nss1;Ntx2;2437	0	3.50	30.49	36.00	26.99	30.00	24.35	23.57
2.4G;11g;Nss1;Ntx2;2462	1	3.50	28.34	36.00	24.84	30.00	21.94	21.71
2.4G;HT20;Nss1,(M0);Ntx2;2412	3	3.50	27.39	36.00	23.89	30.00	21.44	20.24
2.4G;HT20;Nss1,(M0);Ntx2;2437	0	3.50	30.16	36.00	26.66	30.00	23.85	23.45
2.4G;HT20;Nss1,(M0);Ntx2;2462	2	3.50	26.26	36.00	22.76	30.00	19.79	19.71
2.4G;HT40;Nss1,(M0);Ntx2;2422	5	3.50	25.05	36.00	21.55	30.00	18.82	18.24
2.4G;HT40;Nss1,(M0);Ntx2;2437	3	3.50	26.86	36.00	23.36	30.00	20.63	20.05
2.4G;HT40;Nss1,(M0);Ntx2;2452	3	3.50	25.26	36.00	21.76	30.00	18.65	18.84



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;11g;Nss1;Ntx2;2462;TX	Pass	AV	2.4836G	53.54	54.00	-0.46	32.15	3	H	320	1.14	-



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;Nss1;Ntx2;2412;TX	Pass	AV	2.3824G	46.77	54.00	-7.23	31.90	3	H	317	1.01	-
2.4G;11b;Nss1;Ntx2;2412;TX	Pass	AV	2.44G	94.58	Inf	-Inf	32.05	3	H	317	1.01	-
2.4G;11b;Nss1;Ntx2;2412;TX	Pass	AV	2.4836G	50.77	54.00	-3.23	32.15	3	H	317	1.01	-
2.4G;11b;Nss1;Ntx2;2412;TX	Pass	PK	2.3844G	59.06	74.00	-14.94	31.91	3	H	317	1.01	-
2.4G;11b;Nss1;Ntx2;2412;TX	Pass	PK	2.4384G	102.72	Inf	-Inf	32.04	3	H	317	1.01	-
2.4G;11b;Nss1;Ntx2;2412;TX	Pass	PK	2.4836G	65.99	74.00	-8.01	32.15	3	H	317	1.01	-
2.4G;11b;Nss1;Ntx2;2412;TX	Pass	AV	2.39G	46.57	54.00	-7.43	31.92	3	V	288	1.99	-
2.4G;11b;Nss1;Ntx2;2412;TX	Pass	AV	2.4688G	92.84	Inf	-Inf	32.12	3	V	288	1.99	-
2.4G;11b;Nss1;Ntx2;2412;TX	Pass	AV	2.4836G	51.46	54.00	-2.54	32.15	3	V	288	1.99	-
2.4G;11b;Nss1;Ntx2;2412;TX	Pass	PK	2.3624G	58.42	74.00	-15.58	31.85	3	V	288	1.99	-
2.4G;11b;Nss1;Ntx2;2412;TX	Pass	PK	2.446G	101.07	Inf	-Inf	32.06	3	V	288	1.99	-
2.4G;11b;Nss1;Ntx2;2412;TX	Pass	PK	2.4836G	68.33	74.00	-5.67	32.15	3	V	288	1.99	-
2.4G;11b;Nss1;Ntx2;2437;TX	Pass	AV	2.3582G	47.25	54.00	-6.75	31.84	3	H	210	1.98	-
2.4G;11b;Nss1;Ntx2;2437;TX	Pass	AV	2.4386G	102.20	Inf	-Inf	32.04	3	H	210	1.98	-
2.4G;11b;Nss1;Ntx2;2437;TX	Pass	AV	2.4998G	47.32	54.00	-6.68	32.19	3	H	210	1.98	-
2.4G;11b;Nss1;Ntx2;2437;TX	Pass	PK	2.3758G	58.75	74.00	-15.25	31.89	3	H	210	1.98	-
2.4G;11b;Nss1;Ntx2;2437;TX	Pass	PK	2.4398G	104.58	Inf	-Inf	32.05	3	H	210	1.98	-
2.4G;11b;Nss1;Ntx2;2437;TX	Pass	PK	2.4922G	59.68	74.00	-14.32	32.17	3	H	210	1.98	-
2.4G;11b;Nss1;Ntx2;2437;TX	Pass	AV	2.3594G	47.00	54.00	-7.00	31.84	3	V	284	1.98	-
2.4G;11b;Nss1;Ntx2;2437;TX	Pass	AV	2.4386G	102.81	Inf	-Inf	32.04	3	V	284	1.98	-
2.4G;11b;Nss1;Ntx2;2437;TX	Pass	AV	2.4998G	47.58	54.00	-6.42	32.19	3	V	284	1.98	-
2.4G;11b;Nss1;Ntx2;2437;TX	Pass	PK	2.3474G	58.91	74.00	-15.09	31.81	3	V	284	1.98	-
2.4G;11b;Nss1;Ntx2;2437;TX	Pass	PK	2.4398G	105.23	Inf	-Inf	32.05	3	V	284	1.98	-
2.4G;11b;Nss1;Ntx2;2437;TX	Pass	PK	2.485G	59.27	74.00	-14.73	32.15	3	V	284	1.98	-
2.4G;11b;Nss1;Ntx2;2462;TX	Pass	AV	2.4648G	100.46	Inf	-Inf	32.11	3	H	211	1.95	-
2.4G;11b;Nss1;Ntx2;2462;TX	Pass	AV	2.485G	48.04	54.00	-5.96	32.15	3	H	211	1.95	-
2.4G;11b;Nss1;Ntx2;2462;TX	Pass	PK	2.4648G	102.93	Inf	-Inf	32.11	3	H	211	1.95	-
2.4G;11b;Nss1;Ntx2;2462;TX	Pass	PK	2.4846G	59.33	74.00	-14.67	32.15	3	H	211	1.95	-
2.4G;11b;Nss1;Ntx2;2462;TX	Pass	AV	2.4638G	99.82	Inf	-Inf	32.10	3	V	219	1.99	-
2.4G;11b;Nss1;Ntx2;2462;TX	Pass	AV	2.485G	47.78	54.00	-6.22	32.15	3	V	219	1.99	-
2.4G;11b;Nss1;Ntx2;2462;TX	Pass	PK	2.4648G	101.88	Inf	-Inf	32.11	3	V	219	1.99	-
2.4G;11b;Nss1;Ntx2;2462;TX	Pass	PK	2.4876G	59.47	74.00	-14.53	32.16	3	V	219	1.99	-
2.4G;11g;Nss1;Ntx2;2412;TX	Pass	AV	2.39G	51.76	54.00	-2.24	31.92	3	H	321	1.07	-
2.4G;11g;Nss1;Ntx2;2412;TX	Pass	AV	2.4192G	101.02	Inf	-Inf	32.00	3	H	321	1.07	-
2.4G;11g;Nss1;Ntx2;2412;TX	Pass	PK	2.39G	69.88	74.00	-4.12	31.92	3	H	321	1.07	-
2.4G;11g;Nss1;Ntx2;2412;TX	Pass	PK	2.4138G	109.76	Inf	-Inf	31.98	3	H	321	1.07	-
2.4G;11g;Nss1;Ntx2;2412;TX	Pass	AV	2.39G	51.16	54.00	-2.84	31.92	3	V	276	1.99	-
2.4G;11g;Nss1;Ntx2;2412;TX	Pass	AV	2.4106G	100.09	Inf	-Inf	31.98	3	V	276	1.99	-
2.4G;11g;Nss1;Ntx2;2412;TX	Pass	PK	2.39G	67.18	74.00	-6.82	31.92	3	V	276	1.99	-
2.4G;11g;Nss1;Ntx2;2412;TX	Pass	PK	2.4152G	108.13	Inf	-Inf	31.99	3	V	276	1.99	-
2.4G;11g;Nss1;Ntx2;2437;TX	Pass	AV	2.389G	48.86	54.00	-5.14	31.92	3	H	322	1.00	-
2.4G;11g;Nss1;Ntx2;2437;TX	Pass	AV	2.439G	103.98	Inf	-Inf	32.04	3	H	322	1.00	-
2.4G;11g;Nss1;Ntx2;2437;TX	Pass	AV	2.4846G	48.52	54.00	-5.48	32.15	3	H	322	1.00	-
2.4G;11g;Nss1;Ntx2;2437;TX	Pass	PK	2.389G	61.51	74.00	-12.49	31.92	3	H	322	1.00	-
2.4G;11g;Nss1;Ntx2;2437;TX	Pass	PK	2.4382G	112.26	Inf	-Inf	32.04	3	H	322	1.00	-
2.4G;11g;Nss1;Ntx2;2437;TX	Pass	PK	2.491G	60.38	74.00	-13.62	32.17	3	H	322	1.00	-
2.4G;11g;Nss1;Ntx2;2437;TX	Pass	AV	2.3898G	47.79	54.00	-6.21	31.92	3	V	280	1.98	-
2.4G;11g;Nss1;Ntx2;2437;TX	Pass	AV	2.4406G	102.43	Inf	-Inf	32.05	3	V	280	1.98	-
2.4G;11g;Nss1;Ntx2;2437;TX	Pass	AV	2.4854G	48.52	54.00	-5.48	32.15	3	V	280	1.98	-
2.4G;11g;Nss1;Ntx2;2437;TX	Pass	PK	2.3726G	59.62	74.00	-14.38	31.88	3	V	280	1.98	-
2.4G;11g;Nss1;Ntx2;2437;TX	Pass	PK	2.441G	110.96	Inf	-Inf	32.05	3	V	280	1.98	-
2.4G;11g;Nss1;Ntx2;2437;TX	Pass	PK	2.4838G	60.63	74.00	-13.37	32.15	3	V	280	1.98	-
2.4G;11g;Nss1;Ntx2;2462;TX	Pass	AV	2.4666G	100.82	Inf	-Inf	32.11	3	H	320	1.14	-
2.4G;11g;Nss1;Ntx2;2462;TX	Pass	AV	2.4836G	53.54	54.00	-0.46	32.15	3	H	320	1.14	-
2.4G;11g;Nss1;Ntx2;2462;TX	Pass	PK	2.4662G	109.33	Inf	-Inf	32.11	3	H	320	1.14	-
2.4G;11g;Nss1;Ntx2;2462;TX	Pass	PK	2.4836G	72.12	74.00	-1.88	32.15	3	H	320	1.14	-
2.4G;11g;Nss1;Ntx2;2462;TX	Pass	AV	2.4672G	98.24	Inf	-Inf	32.11	3	V	308	1.24	-
2.4G;11g;Nss1;Ntx2;2462;TX	Pass	AV	2.4836G	51.12	54.00	-2.88	32.15	3	V	308	1.24	-
2.4G;11g;Nss1;Ntx2;2462;TX	Pass	PK	2.4676G	106.30	Inf	-Inf	32.11	3	V	308	1.24	-
2.4G;11g;Nss1;Ntx2;2462;TX	Pass	PK	2.4836G	69.05	74.00	-4.95	32.15	3	V	308	1.24	-
2.4G;HT20;Nss1;(M0);Ntx2;2412;TX	Pass	AV	2.39G	50.84	54.00	-3.16	31.92	3	H	330	1.09	-



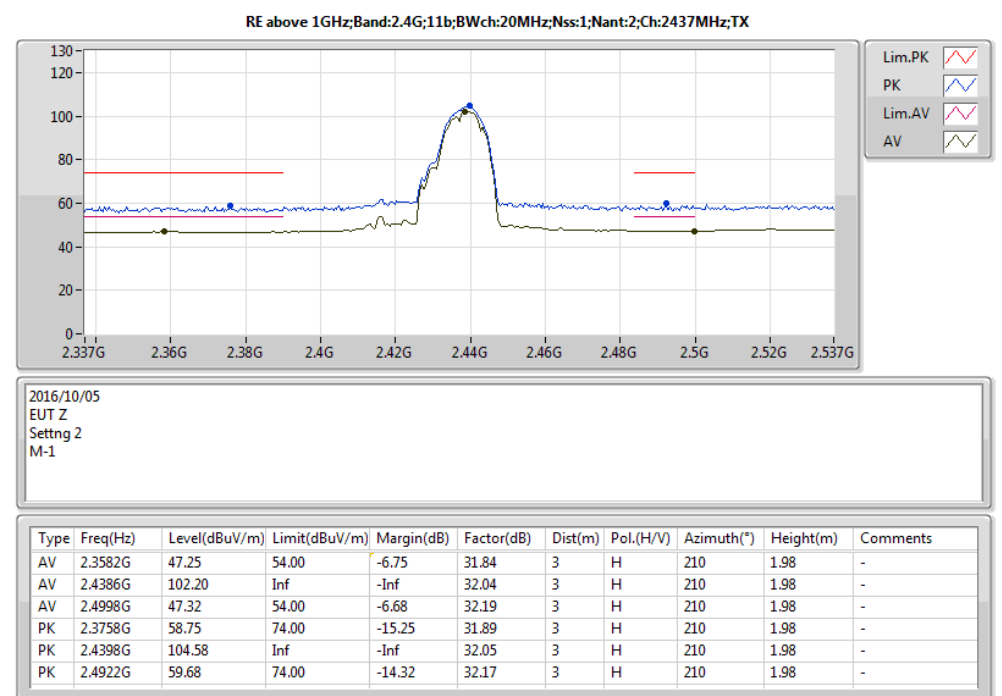
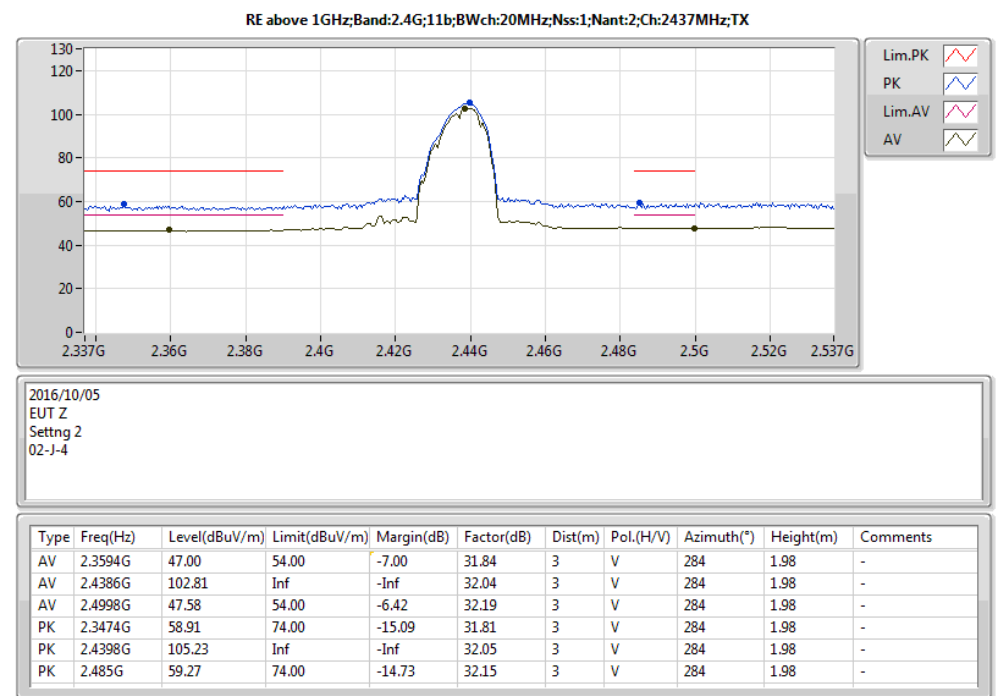
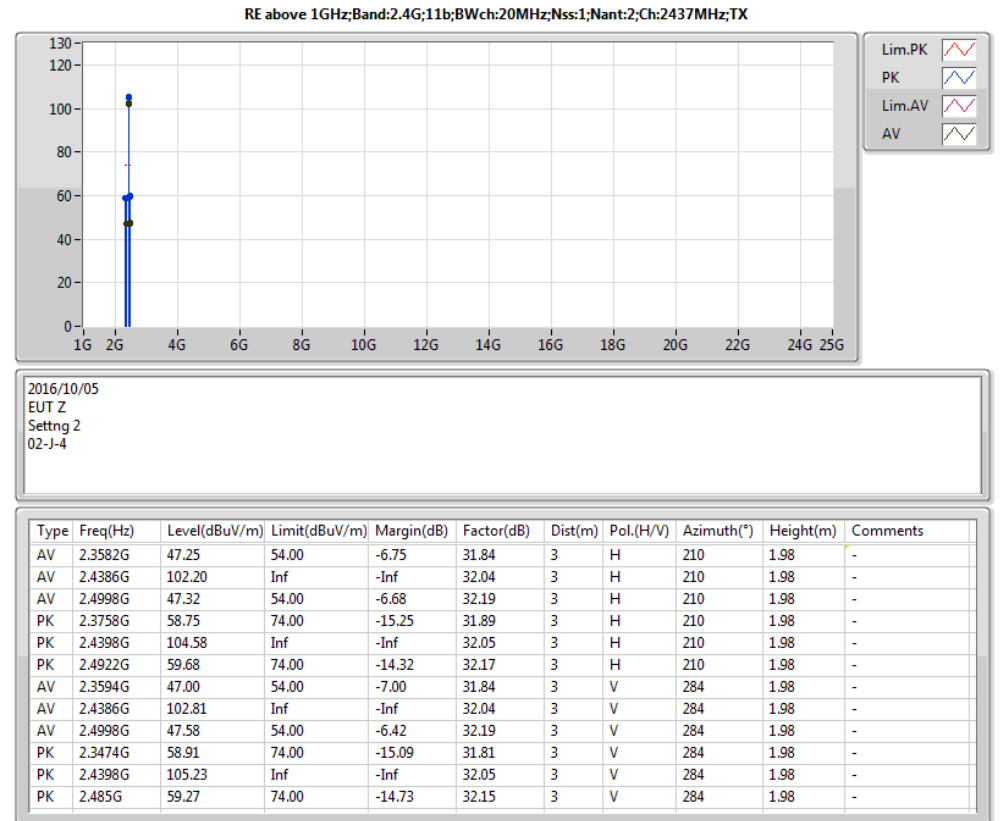
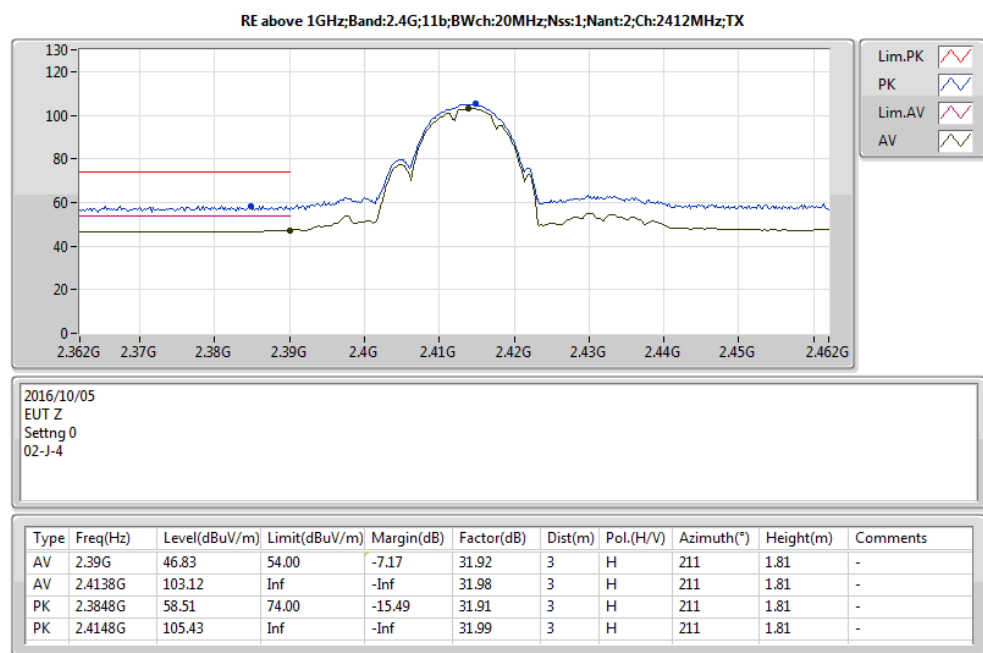
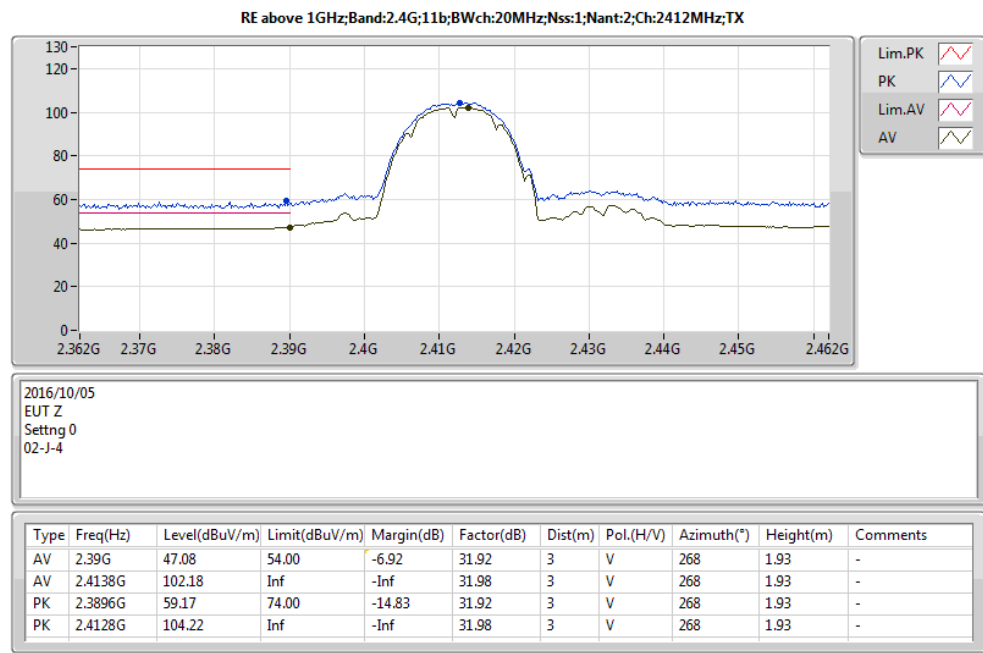
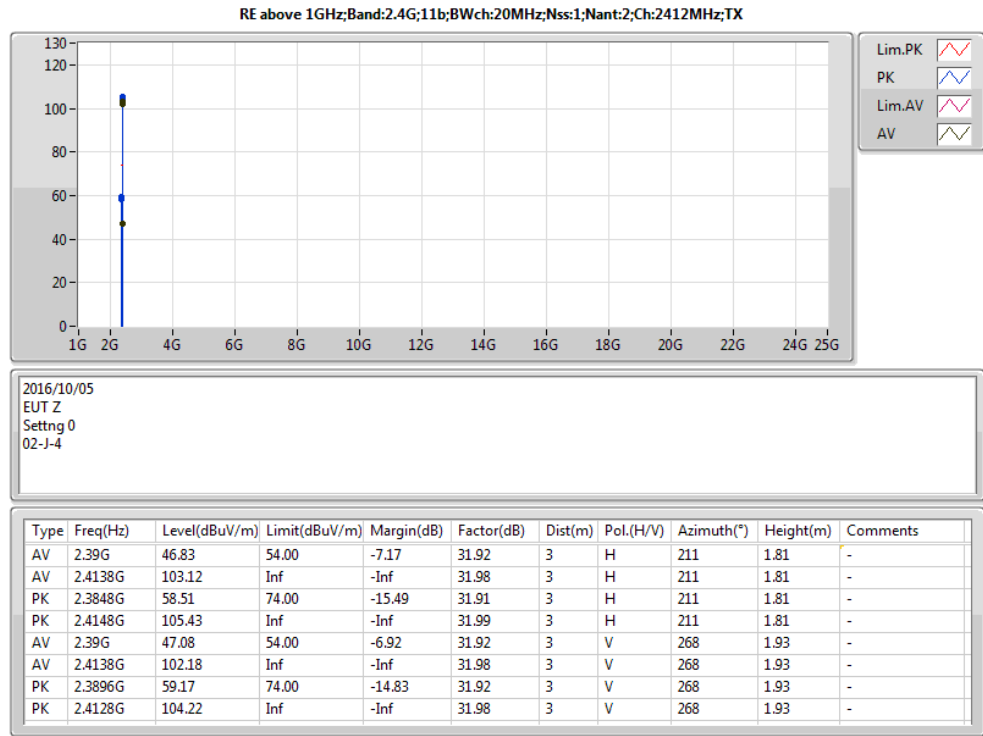
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2.4G;HT20;Nss1,(M0);Ntx2;2412;TX	Pass	AV	2.42G	99.62	Inf	-Inf	32.00	3	H	330	1.09	-
2.4G;HT20;Nss1,(M0);Ntx2;2412;TX	Pass	PK	2.3896G	66.86	74.00	-7.14	31.92	3	H	330	1.09	-
2.4G;HT20;Nss1,(M0);Ntx2;2412;TX	Pass	PK	2.4188G	107.44	Inf	-Inf	32.00	3	H	330	1.09	-
2.4G;HT20;Nss1,(M0);Ntx2;2412;TX	Pass	AV	2.39G	50.84	54.00	-3.16	31.92	3	V	280	1.97	-
2.4G;HT20;Nss1,(M0);Ntx2;2412;TX	Pass	AV	2.407G	99.37	Inf	-Inf	31.97	3	V	280	1.97	-
2.4G;HT20;Nss1,(M0);Ntx2;2412;TX	Pass	PK	2.3896G	71.64	74.00	-2.36	31.92	3	V	280	1.97	-
2.4G;HT20;Nss1,(M0);Ntx2;2412;TX	Pass	PK	2.4086G	108.25	Inf	-Inf	31.97	3	V	280	1.97	-
2.4G;HT20;Nss1,(M0);Ntx2;2437;TX	Pass	AV	2.3898G	48.24	54.00	-5.76	31.92	3	H	319	1.99	-
2.4G;HT20;Nss1,(M0);Ntx2;2437;TX	Pass	AV	2.439G	103.35	Inf	-Inf	32.04	3	H	319	1.99	-
2.4G;HT20;Nss1,(M0);Ntx2;2437;TX	Pass	AV	2.485G	48.28	54.00	-5.72	32.15	3	H	319	1.99	-
2.4G;HT20;Nss1,(M0);Ntx2;2437;TX	Pass	PK	2.3498G	59.43	74.00	-14.57	31.82	3	H	319	1.99	-
2.4G;HT20;Nss1,(M0);Ntx2;2437;TX	Pass	PK	2.4382G	112.22	Inf	-Inf	32.04	3	H	319	1.99	-
2.4G;HT20;Nss1,(M0);Ntx2;2437;TX	Pass	PK	2.4846G	59.77	74.00	-14.23	32.15	3	H	319	1.99	-
2.4G;HT20;Nss1,(M0);Ntx2;2437;TX	Pass	AV	2.3602G	47.71	54.00	-6.29	31.85	3	V	289	1.99	-
2.4G;HT20;Nss1,(M0);Ntx2;2437;TX	Pass	AV	2.443G	101.42	Inf	-Inf	32.05	3	V	289	1.99	-
2.4G;HT20;Nss1,(M0);Ntx2;2437;TX	Pass	AV	2.4854G	48.52	54.00	-5.48	32.15	3	V	289	1.99	-
2.4G;HT20;Nss1,(M0);Ntx2;2437;TX	Pass	PK	2.3414G	58.94	74.00	-15.06	31.80	3	V	289	1.99	-
2.4G;HT20;Nss1,(M0);Ntx2;2437;TX	Pass	PK	2.443G	110.06	Inf	-Inf	32.05	3	V	289	1.99	-
2.4G;HT20;Nss1,(M0);Ntx2;2437;TX	Pass	PK	2.4838G	59.88	74.00	-14.12	32.15	3	V	289	1.99	-
2.4G;HT20;Nss1,(M0);Ntx2;2462;TX	Pass	AV	2.4692G	97.94	Inf	-Inf	32.12	3	H	321	1.14	-
2.4G;HT20;Nss1,(M0);Ntx2;2462;TX	Pass	AV	2.4836G	50.40	54.00	-3.60	32.15	3	H	321	1.14	-
2.4G;HT20;Nss1,(M0);Ntx2;2462;TX	Pass	PK	2.4688G	106.48	Inf	-Inf	32.12	3	H	321	1.14	-
2.4G;HT20;Nss1,(M0);Ntx2;2462;TX	Pass	PK	2.4844G	66.23	74.00	-7.77	32.15	3	H	321	1.14	-
2.4G;HT20;Nss1,(M0);Ntx2;2462;TX	Pass	AV	2.4594G	97.71	Inf	-Inf	32.09	3	V	277	1.99	-
2.4G;HT20;Nss1,(M0);Ntx2;2462;TX	Pass	AV	2.4836G	50.21	54.00	-3.79	32.15	3	V	277	1.99	-
2.4G;HT20;Nss1,(M0);Ntx2;2462;TX	Pass	PK	2.4586G	106.72	Inf	-Inf	32.09	3	V	277	1.99	-
2.4G;HT20;Nss1,(M0);Ntx2;2462;TX	Pass	PK	2.4836G	65.44	74.00	-8.56	32.15	3	V	277	1.99	-
2.4G;HT40;Nss1,(M0);Ntx2;2422;TX	Pass	AV	2.39G	50.18	54.00	-3.82	31.92	3	H	332	1.50	-
2.4G;HT40;Nss1,(M0);Ntx2;2422;TX	Pass	AV	2.4124G	93.30	Inf	-Inf	31.98	3	H	332	1.50	-
2.4G;HT40;Nss1,(M0);Ntx2;2422;TX	Pass	AV	2.5G	47.32	54.00	-6.68	32.19	3	H	332	1.50	-
2.4G;HT40;Nss1,(M0);Ntx2;2422;TX	Pass	PK	2.3896G	66.00	74.00	-8.00	31.92	3	H	332	1.50	-
2.4G;HT40;Nss1,(M0);Ntx2;2422;TX	Pass	PK	2.4112G	102.05	Inf	-Inf	31.98	3	H	332	1.50	-
2.4G;HT40;Nss1,(M0);Ntx2;2422;TX	Pass	PK	2.494G	59.62	74.00	-14.38	32.18	3	H	332	1.50	-
2.4G;HT40;Nss1,(M0);Ntx2;2422;TX	Pass	AV	2.39G	49.45	54.00	-4.55	31.92	3	V	281	1.62	-
2.4G;HT40;Nss1,(M0);Ntx2;2422;TX	Pass	AV	2.4364G	93.18	Inf	-Inf	32.04	3	V	281	1.62	-
2.4G;HT40;Nss1,(M0);Ntx2;2422;TX	Pass	AV	2.5G	47.58	54.00	-6.42	32.19	3	V	281	1.62	-
2.4G;HT40;Nss1,(M0);Ntx2;2422;TX	Pass	PK	2.3896G	64.09	74.00	-9.91	31.92	3	V	281	1.62	-
2.4G;HT40;Nss1,(M0);Ntx2;2422;TX	Pass	PK	2.434G	101.39	Inf	-Inf	32.03	3	V	281	1.62	-
2.4G;HT40;Nss1,(M0);Ntx2;2422;TX	Pass	PK	2.4876G	58.60	74.00	-15.40	32.16	3	V	281	1.62	-
2.4G;HT40;Nss1,(M0);Ntx2;2437;TX	Pass	AV	2.3806G	49.01	54.00	-4.99	31.90	3	H	333	1.99	-
2.4G;HT40;Nss1,(M0);Ntx2;2437;TX	Pass	AV	2.4388G	97.16	Inf	-Inf	32.04	3	H	333	1.99	-
2.4G;HT40;Nss1,(M0);Ntx2;2437;TX	Pass	AV	2.5G	47.84	54.00	-6.16	32.19	3	H	333	1.99	-
2.4G;HT40;Nss1,(M0);Ntx2;2437;TX	Pass	PK	2.3764G	64.68	74.00	-9.32	31.89	3	H	333	1.99	-
2.4G;HT40;Nss1,(M0);Ntx2;2437;TX	Pass	PK	2.4394G	105.79	Inf	-Inf	32.04	3	H	333	1.99	-
2.4G;HT40;Nss1,(M0);Ntx2;2437;TX	Pass	PK	2.4934G	59.74	74.00	-14.26	32.17	3	H	333	1.99	-
2.4G;HT40;Nss1,(M0);Ntx2;2437;TX	Pass	AV	2.3838G	49.01	54.00	-4.99	31.91	3	V	276	1.98	-
2.4G;HT40;Nss1,(M0);Ntx2;2437;TX	Pass	AV	2.442G	95.97	Inf	-Inf	32.05	3	V	276	1.98	-
2.4G;HT40;Nss1,(M0);Ntx2;2437;TX	Pass	AV	2.4858G	48.28	54.00	-5.72	32.16	3	V	276	1.98	-
2.4G;HT40;Nss1,(M0);Ntx2;2437;TX	Pass	PK	2.382G	64.99	74.00	-9.01	31.90	3	V	276	1.98	-
2.4G;HT40;Nss1,(M0);Ntx2;2437;TX	Pass	PK	2.442G	105.41	Inf	-Inf	32.05	3	V	276	1.98	-
2.4G;HT40;Nss1,(M0);Ntx2;2437;TX	Pass	PK	2.484G	59.76	74.00	-14.24	32.15	3	V	276	1.98	-
2.4G;HT40;Nss1,(M0);Ntx2;2452;TX	Pass	AV	2.3824G	46.77	54.00	-7.23	31.90	3	H	317	1.01	-
2.4G;HT40;Nss1,(M0);Ntx2;2452;TX	Pass	AV	2.44G	94.58	Inf	-Inf	32.05	3	H	317	1.01	-
2.4G;HT40;Nss1,(M0);Ntx2;2452;TX	Pass	AV	2.4836G	50.77	54.00	-3.23	32.15	3	H	317	1.01	-
2.4G;HT40;Nss1,(M0);Ntx2;2452;TX	Pass	PK	2.3844G	59.06	74.00	-14.94	31.91	3	H	317	1.01	-
2.4G;HT40;Nss1,(M0);Ntx2;2452;TX	Pass	PK	2.4384G	102.72	Inf	-Inf	32.04	3	H	317	1.01	-
2.4G;HT40;Nss1,(M0);Ntx2;2452;TX	Pass	PK	2.4836G	65.99	74.00	-8.01	32.15	3	H	317	1.01	-
2.4G;HT40;Nss1,(M0);Ntx2;2452;TX	Pass	AV	2.39G	46.57	54.00	-7.43	31.92	3	V	288	1.99	-
2.4G;HT40;Nss1,(M0);Ntx2;2452;TX	Pass	AV	2.4688G	92.84	Inf	-Inf	32.12	3	V	288	1.99	-
2.4G;HT40;Nss1,(M0);Ntx2;2452;TX	Pass	AV	2.4836G	51.46	54.00	-2.54	32.15	3	V	288	1.99	-
2.4G;HT40;Nss1,(M0);Ntx2;2452;TX	Pass	PK	2.3624G	58.42	74.00	-15.58	31.85	3	V	288	1.99	-
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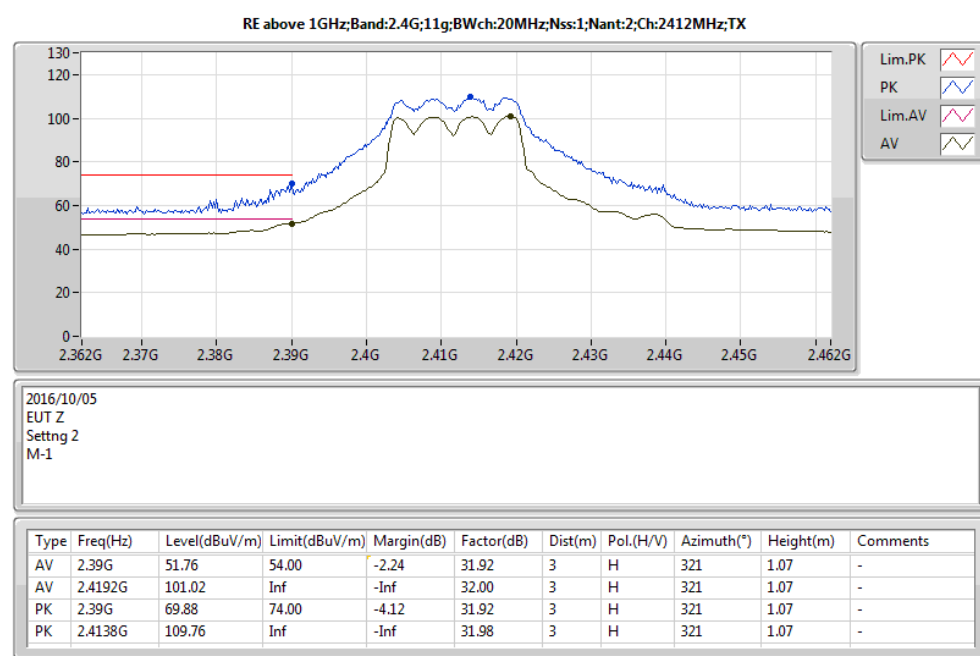
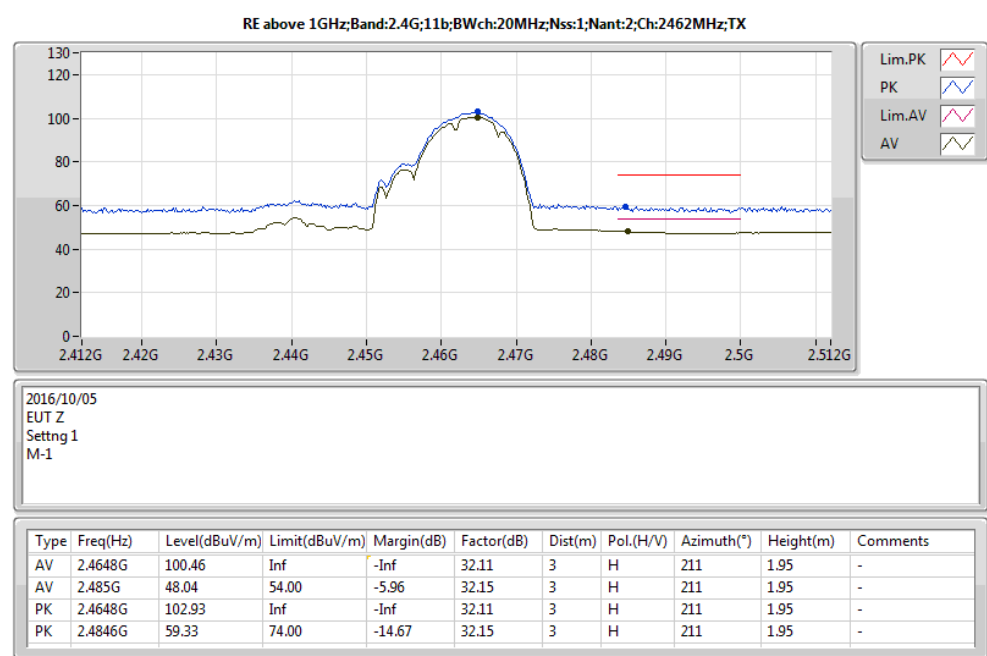
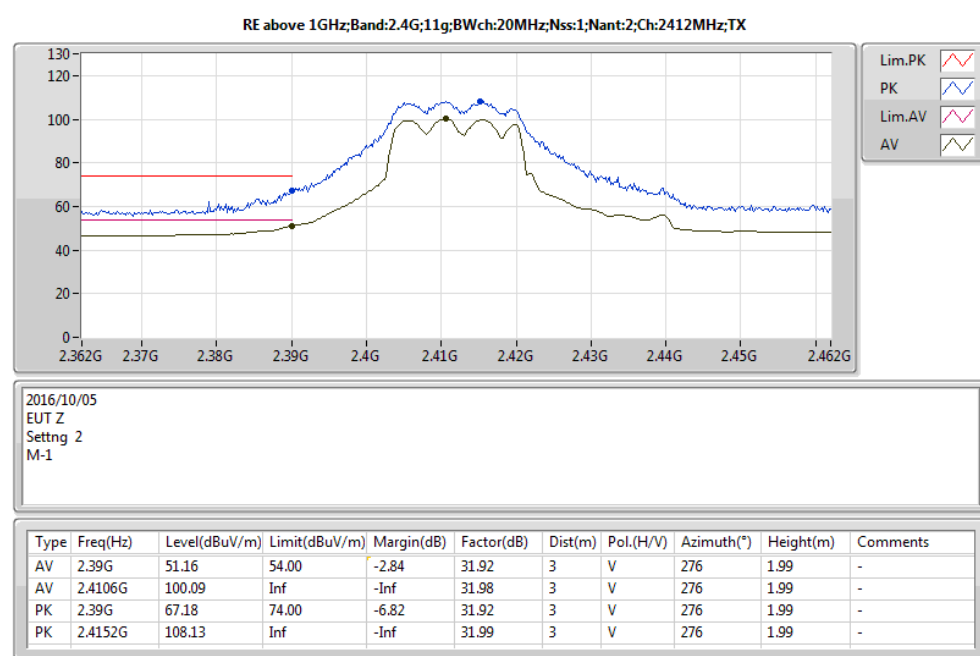
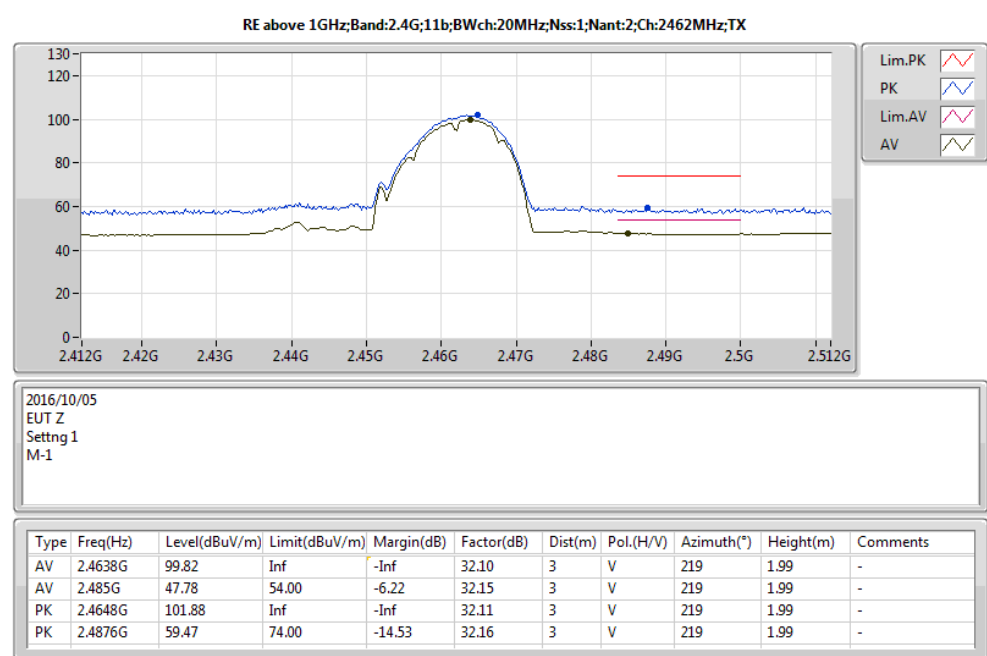
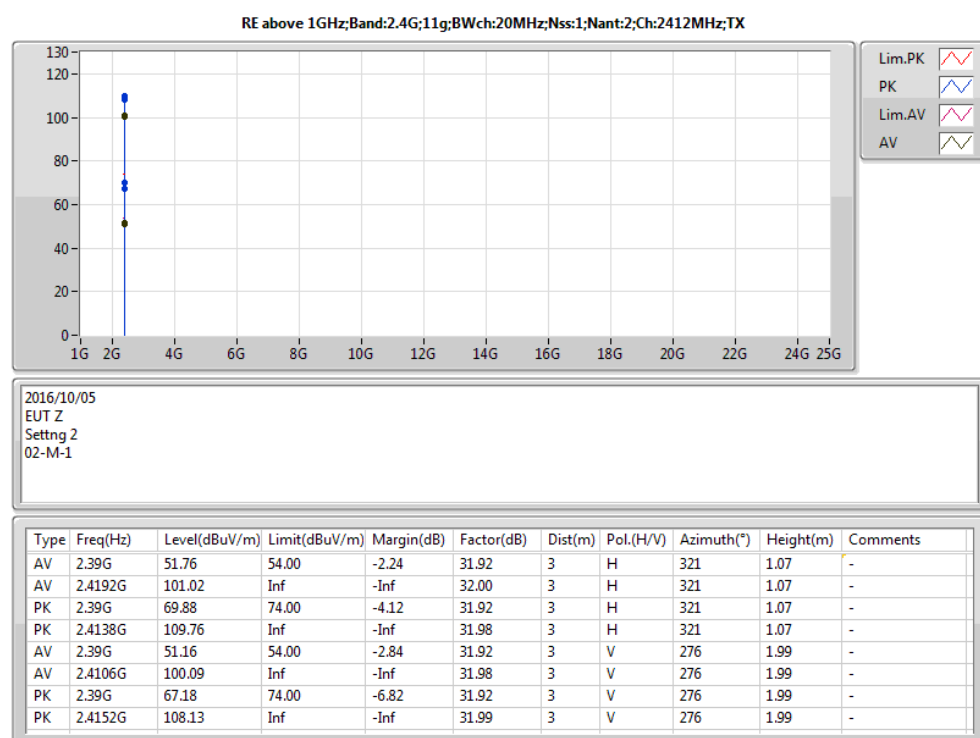
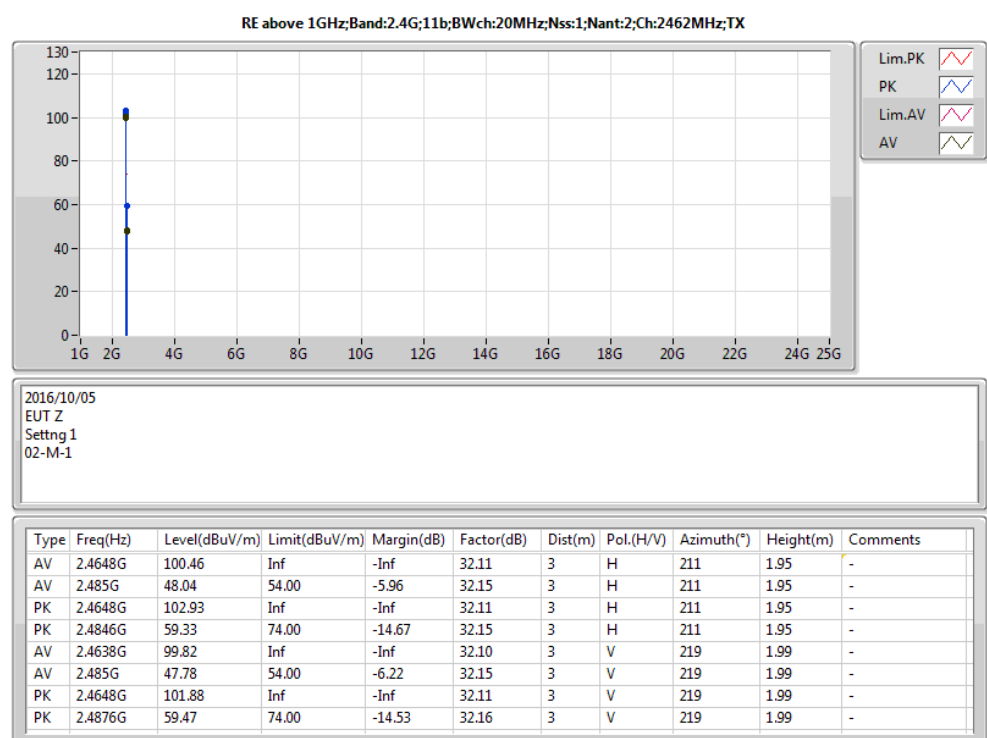


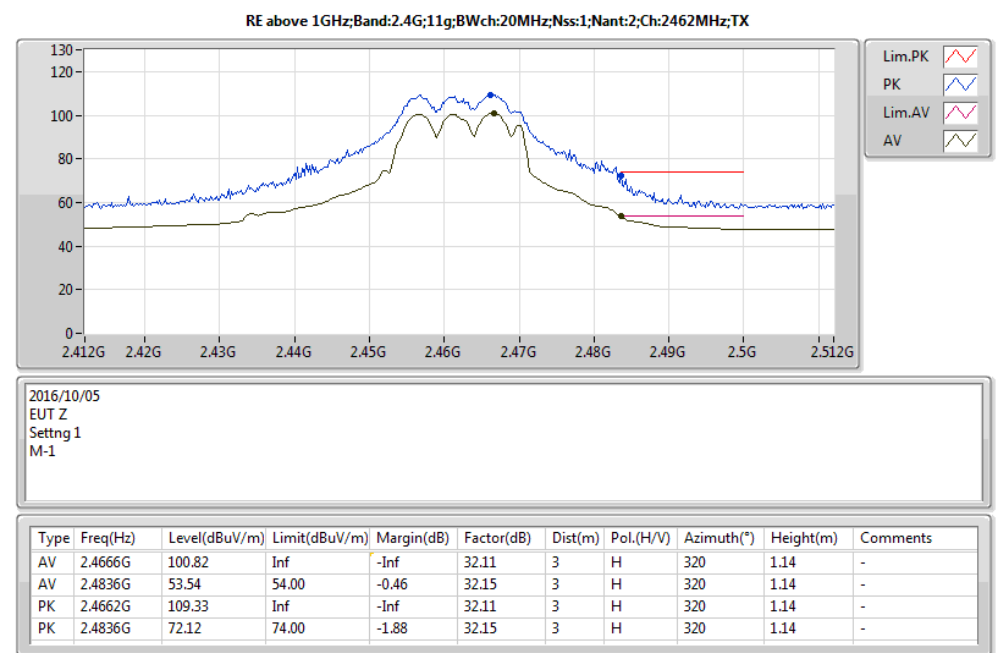
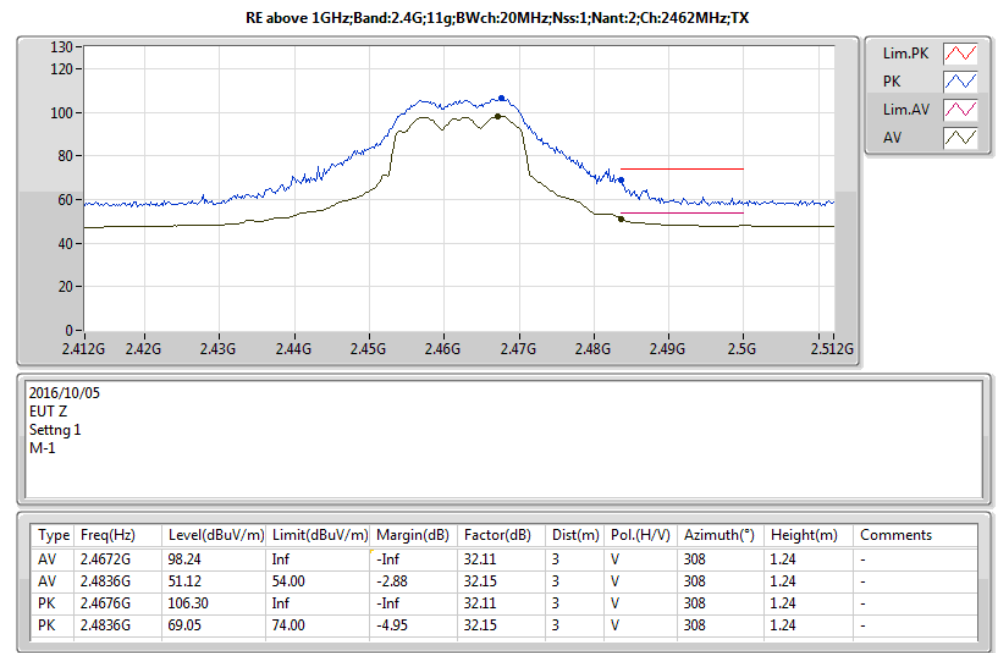
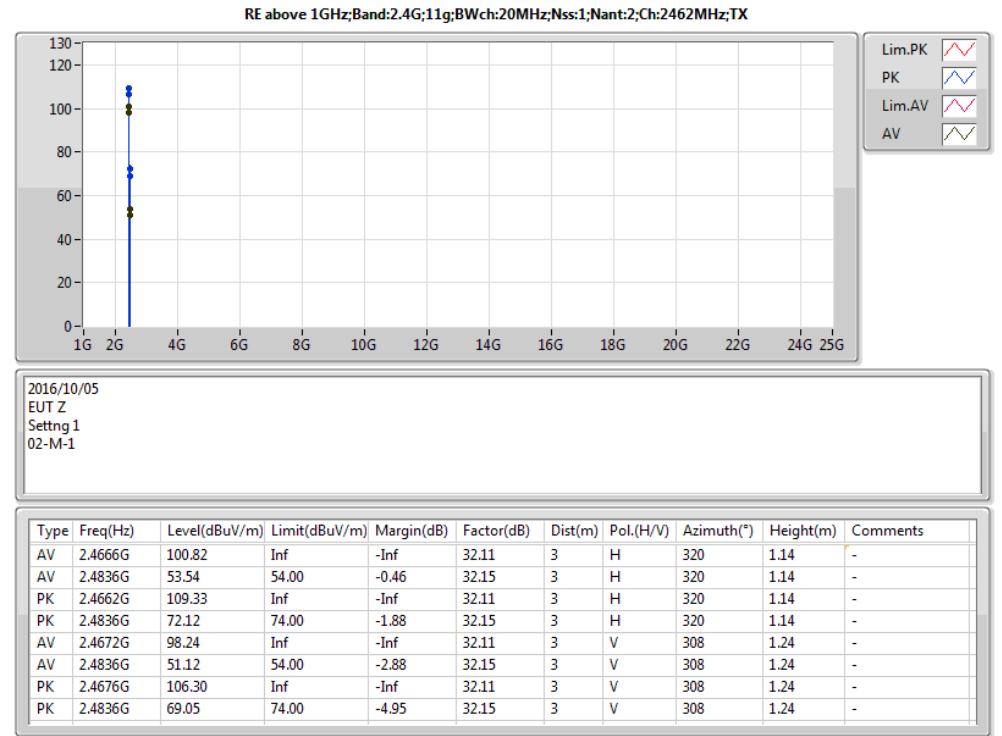
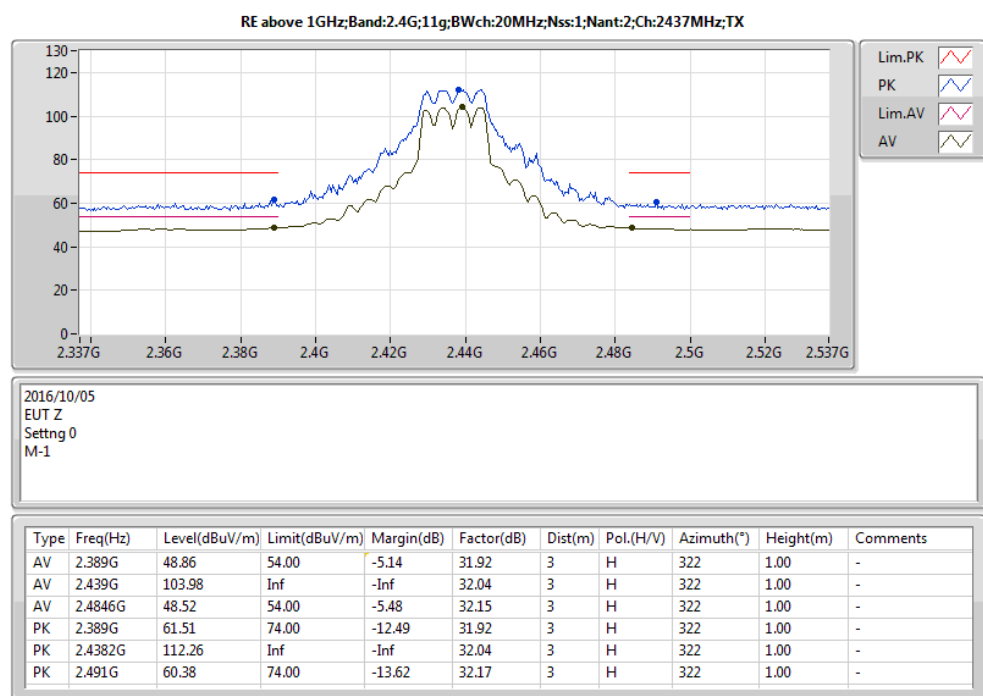
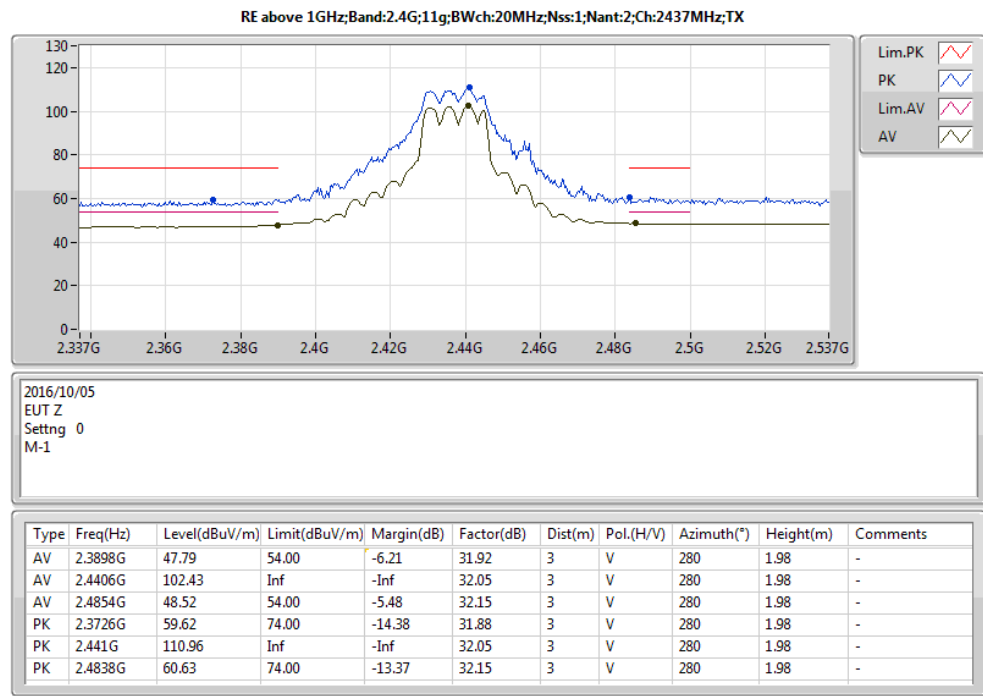
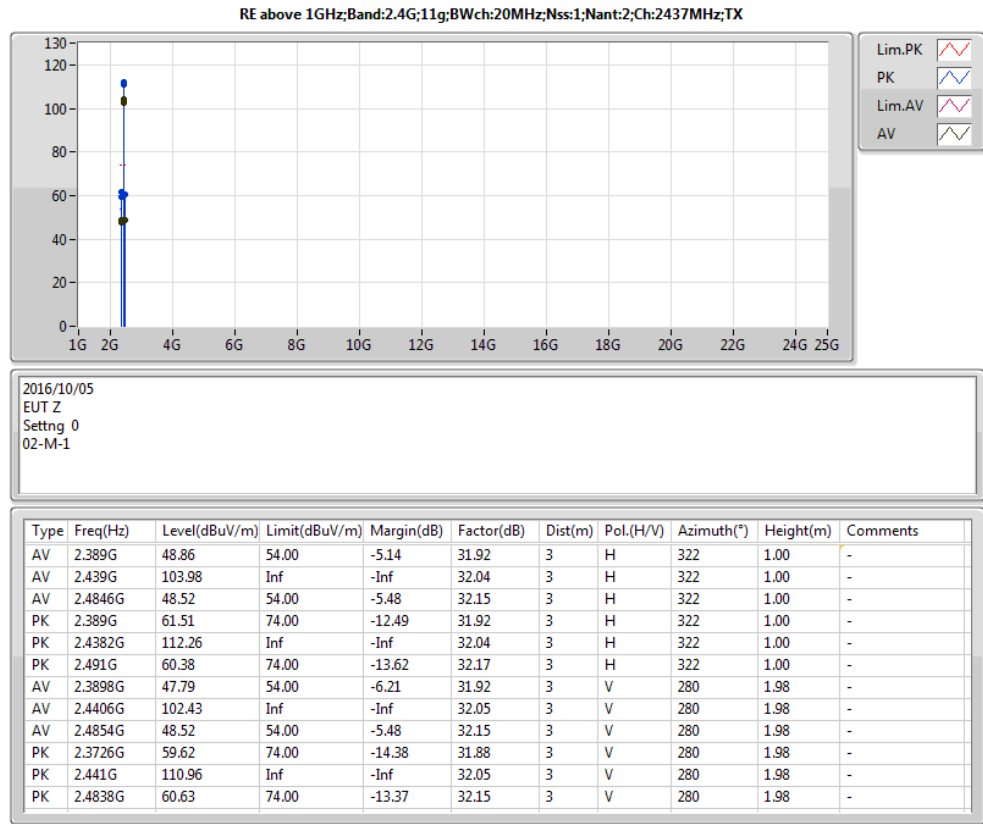
RSE above 1GHz Result

Appendix B

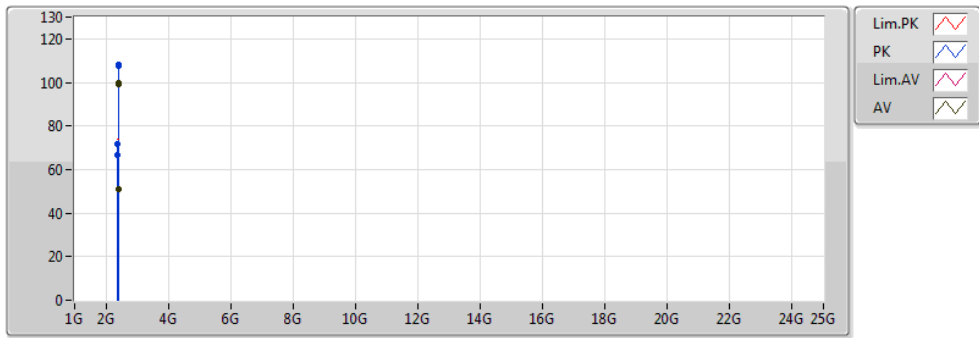
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2.4G;HT40;Nss1,(M0);Ntx2;2452;TX	Pass	PK	2.4836G	68.33	74.00	-5.67	32.15	3	V	288	1.99	-







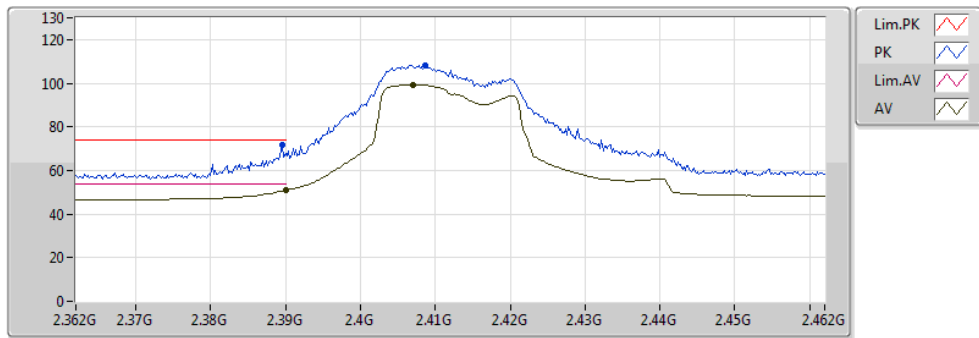
RE above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2412MHz;TX



2016/10/05
EUT Z
Setting 3
02-M-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	50.84	54.00	-3.16	31.92	3	H	330	1.09	-
AV	2.42G	99.62	Inf	-Inf	32.00	3	H	330	1.09	-
PK	2.3896G	66.86	74.00	-7.14	31.92	3	H	330	1.09	-
PK	2.4188G	107.44	Inf	-Inf	32.00	3	H	330	1.09	-
AV	2.39G	50.84	54.00	-3.16	31.92	3	V	280	1.97	-
AV	2.407G	99.37	Inf	-Inf	31.97	3	V	280	1.97	-
PK	2.3896G	71.64	74.00	-2.36	31.92	3	V	280	1.97	-
PK	2.4086G	108.25	Inf	-Inf	31.97	3	V	280	1.97	-

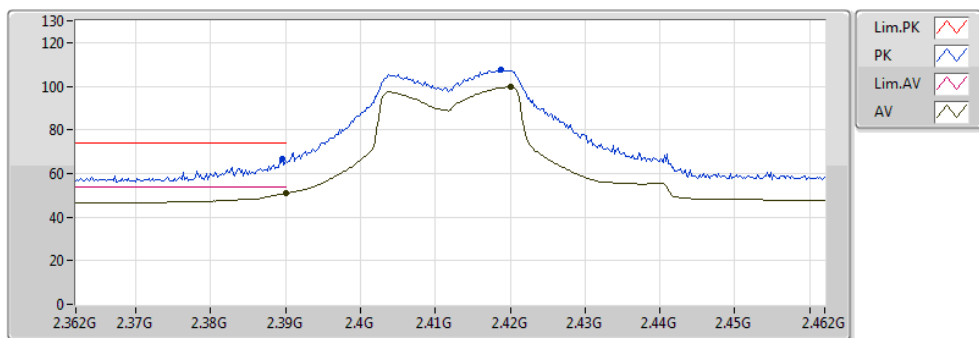
RE above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2412MHz;TX



2016/10/05
EUT Z
Setting 3
M-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	50.84	54.00	-3.16	31.92	3	V	280	1.97	-
AV	2.407G	99.37	Inf	-Inf	31.97	3	V	280	1.97	-
PK	2.3896G	71.64	74.00	-2.36	31.92	3	V	280	1.97	-
PK	2.4086G	108.25	Inf	-Inf	31.97	3	V	280	1.97	-

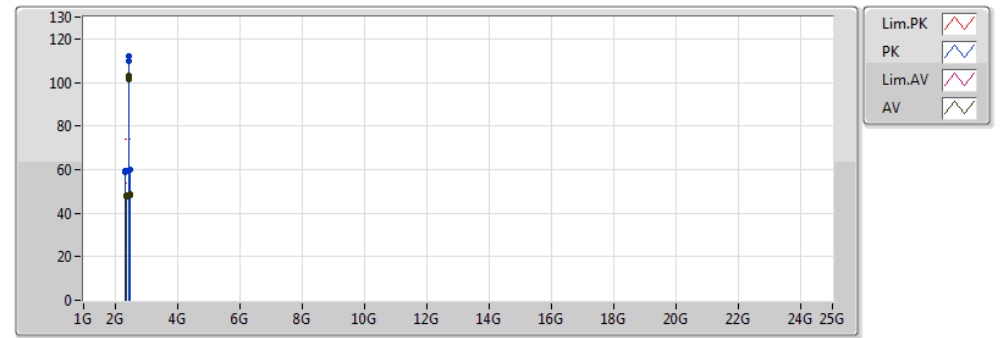
RE above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2412MHz;TX



2016/10/05
EUT Z
Setting 3
M-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	50.84	54.00	-3.16	31.92	3	H	330	1.09	-
AV	2.42G	99.62	Inf	-Inf	32.00	3	H	330	1.09	-
PK	2.3896G	66.86	74.00	-7.14	31.92	3	H	330	1.09	-
PK	2.4188G	107.44	Inf	-Inf	32.00	3	H	330	1.09	-

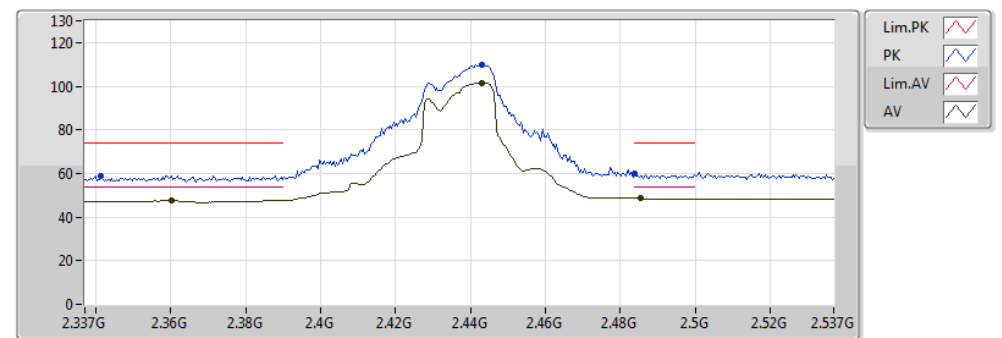
RE above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TX



2016/10/05
EUT Z
Setting 0
02-M-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3898G	48.24	54.00	-5.76	31.92	3	H	319	1.99	-
AV	2.439G	103.35	Inf	-Inf	32.04	3	H	319	1.99	-
AV	2.485G	48.28	54.00	-5.72	32.15	3	H	319	1.99	-
PK	2.3498G	59.43	74.00	-14.57	31.82	3	H	319	1.99	-
PK	2.4382G	112.22	Inf	-Inf	32.04	3	H	319	1.99	-
PK	2.4846G	59.77	74.00	-14.23	32.15	3	H	319	1.99	-
AV	2.3602G	47.71	54.00	-6.29	31.85	3	V	289	1.99	-
AV	2.443G	101.42	Inf	-Inf	32.05	3	V	289	1.99	-
AV	2.4854G	48.52	54.00	-5.48	32.15	3	V	289	1.99	-
PK	2.3414G	58.94	74.00	-15.06	31.80	3	V	289	1.99	-
PK	2.443G	110.06	Inf	-Inf	32.05	3	V	289	1.99	-
PK	2.4838G	59.88	74.00	-14.12	32.15	3	V	289	1.99	-

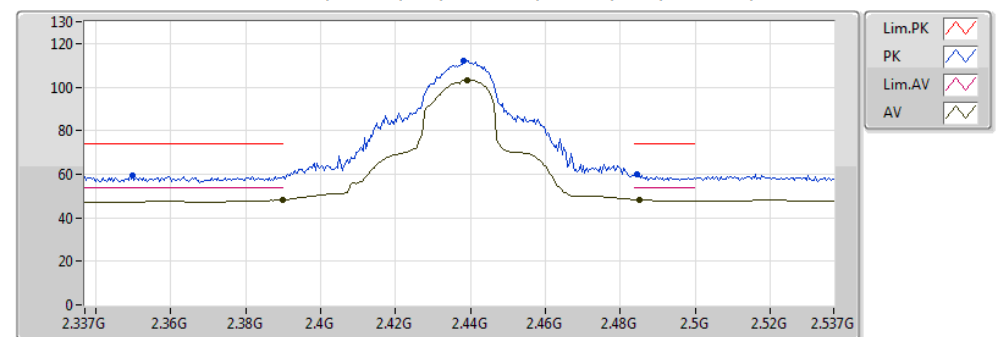
RE above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TX



2016/10/05
EUT Z
Setting 0
M-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3602G	47.71	54.00	-6.29	31.85	3	V	289	1.99	-
AV	2.443G	101.42	Inf	-Inf	32.05	3	V	289	1.99	-
AV	2.4854G	48.52	54.00	-5.48	32.15	3	V	289	1.99	-
PK	2.3414G	58.94	74.00	-15.06	31.80	3	V	289	1.99	-
PK	2.443G	110.06	Inf	-Inf	32.05	3	V	289	1.99	-
PK	2.4838G	59.88	74.00	-14.12	32.15	3	V	289	1.99	-

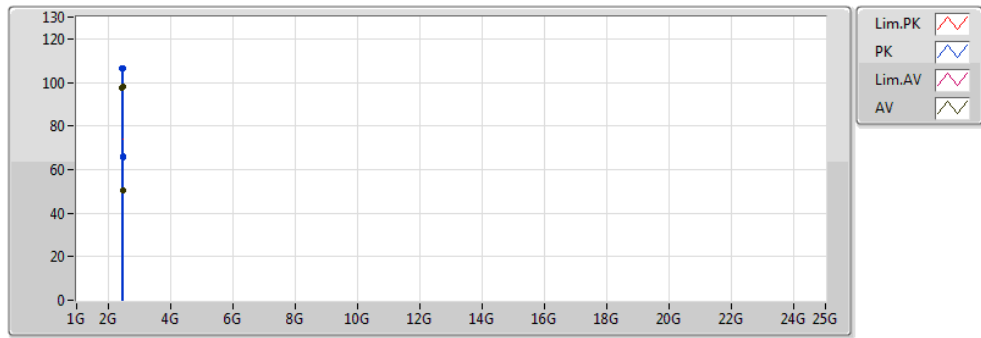
RE above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TX



2016/10/05
EUT Z
Setting 0
M-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3898G	48.24	54.00	-5.76	31.92	3	H	319	1.99	-
AV	2.439G	103.35	Inf	-Inf	32.04	3	H	319	1.99	-
AV	2.485G	48.28	54.00	-5.72	32.15	3	H	319	1.99	-
PK	2.3498G	59.43	74.00	-14.57	31.82	3	H	319	1.99	-
PK	2.4382G	112.22	Inf	-Inf	32.04	3	H	319	1.99	-
PK	2.4846G	59.77	74.00	-14.23	32.15	3	H	319	1.99	-

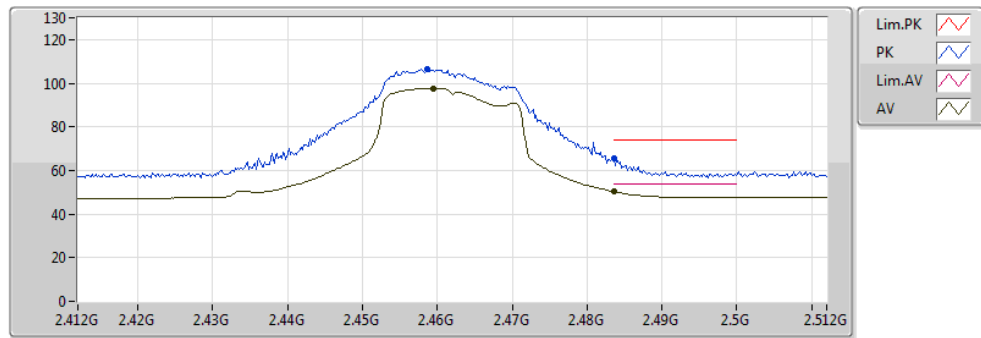
RE above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:1.(M0);Nant:2;Ch:2462MHz;TX



2016/10/05
EUT Z
Setting 2
02-M-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4692G	97.94	Inf	-Inf	32.12	3	H	321	1.14	-
AV	2.4836G	50.40	54.00	-3.60	32.15	3	H	321	1.14	-
PK	2.4688G	106.48	Inf	-Inf	32.12	3	H	321	1.14	-
PK	2.4844G	66.23	74.00	-7.77	32.15	3	H	321	1.14	-
AV	2.4594G	97.71	Inf	-Inf	32.09	3	V	277	1.99	-
AV	2.4836G	50.21	54.00	-3.79	32.15	3	V	277	1.99	-
PK	2.4586G	106.72	Inf	-Inf	32.09	3	V	277	1.99	-
PK	2.4836G	65.44	74.00	-8.56	32.15	3	V	277	1.99	-

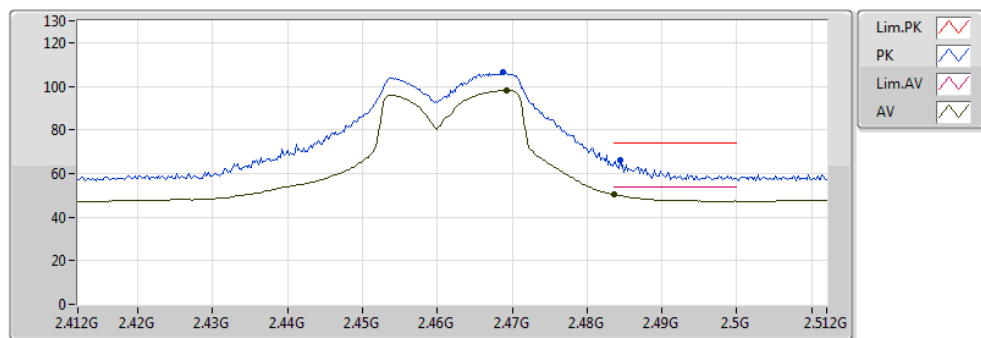
RE above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:1.(M0);Nant:2;Ch:2462MHz;TX



2016/10/05
EUT Z
Setting 2
M-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4594G	97.71	Inf	-Inf	32.09	3	V	277	1.99	-
AV	2.4836G	50.21	54.00	-3.79	32.15	3	V	277	1.99	-
PK	2.4586G	106.72	Inf	-Inf	32.09	3	V	277	1.99	-
PK	2.4836G	65.44	74.00	-8.56	32.15	3	V	277	1.99	-

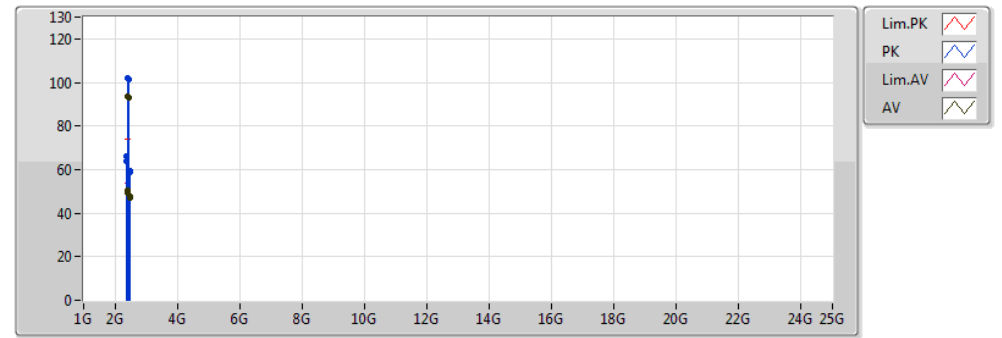
RE above 1GHz;Band:2.4G;HT20;BWch:20MHz;Nss:1.(M0);Nant:2;Ch:2462MHz;TX



2016/10/05
EUT Z
Setting 2
M-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4692G	97.94	Inf	-Inf	32.12	3	H	321	1.14	-
AV	2.4836G	50.40	54.00	-3.60	32.15	3	H	321	1.14	-
PK	2.4688G	106.48	Inf	-Inf	32.12	3	H	321	1.14	-
PK	2.4844G	66.23	74.00	-7.77	32.15	3	H	321	1.14	-

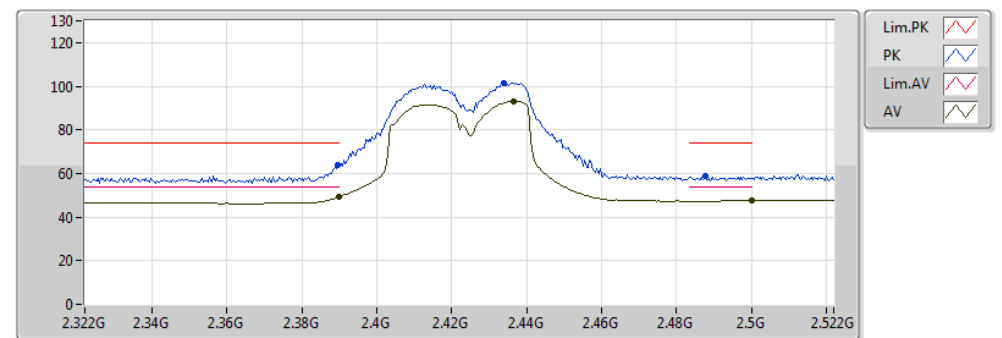
RE above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:1.(M0);Nant:2;Ch:2422MHz;TX



2016/10/05
EUT Z
Setting 5
02-M-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	50.18	54.00	-3.82	31.92	3	H	332	1.50	-
AV	2.4124G	93.30	Inf	-Inf	31.98	3	H	332	1.50	-
AV	2.5G	47.32	54.00	-6.68	32.19	3	H	332	1.50	-
PK	2.3896G	66.00	74.00	-8.00	31.92	3	H	332	1.50	-
PK	2.4112G	102.05	Inf	-Inf	31.98	3	H	332	1.50	-
PK	2.494G	59.62	74.00	-14.38	32.18	3	H	332	1.50	-
AV	2.39G	49.45	54.00	-4.55	31.92	3	V	281	1.62	-
AV	2.4364G	93.18	Inf	-Inf	32.04	3	V	281	1.62	-
AV	2.5G	47.58	54.00	-6.42	32.19	3	V	281	1.62	-
PK	2.3896G	64.09	74.00	-9.91	31.92	3	V	281	1.62	-
PK	2.434G	101.39	Inf	-Inf	32.03	3	V	281	1.62	-
PK	2.4876G	58.60	74.00	-15.40	32.16	3	V	281	1.62	-

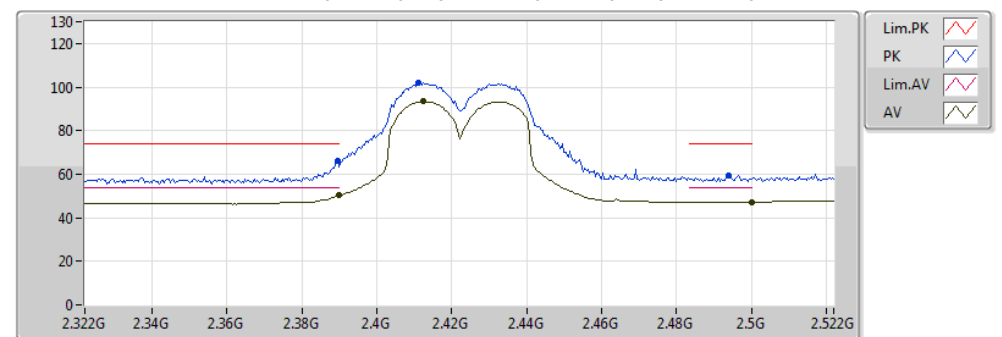
RE above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:1.(M0);Nant:2;Ch:2422MHz;TX



2016/10/05
EUT Z
Setting 2
M-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	49.45	54.00	-4.55	31.92	3	V	281	1.62	-
AV	2.4364G	93.18	Inf	-Inf	32.04	3	V	281	1.62	-
AV	2.5G	47.58	54.00	-6.42	32.19	3	V	281	1.62	-
PK	2.3896G	64.09	74.00	-9.91	31.92	3	V	281	1.62	-
PK	2.434G	101.39	Inf	-Inf	32.03	3	V	281	1.62	-
PK	2.4876G	58.60	74.00	-15.40	32.16	3	V	281	1.62	-

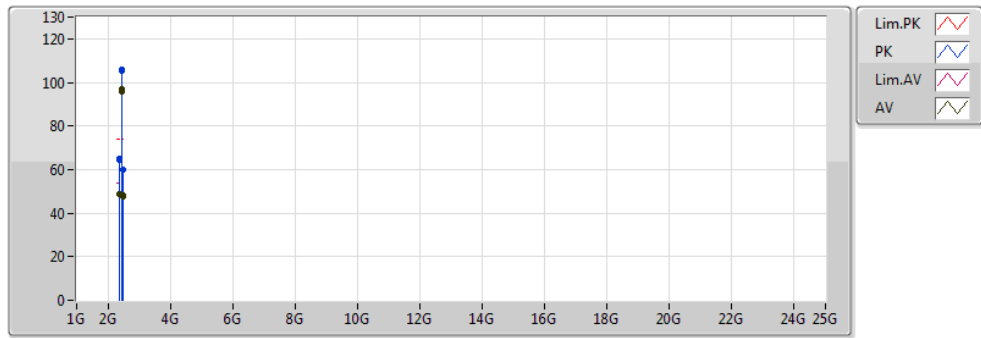
RE above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:1.(M0);Nant:2;Ch:2422MHz;TX



2016/10/05
EUT Z
Setting 5
M-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	50.18	54.00	-3.82	31.92	3	H	332	1.50	-
AV	2.4124G	93.30	Inf	-Inf	31.98	3	H	332	1.50	-
AV	2.5G	47.32	54.00	-6.68	32.19	3	H	332	1.50	-
PK	2.3896G	66.00	74.00	-8.00	31.92	3	H	332	1.50	-
PK	2.4112G	102.05	Inf	-Inf	31.98	3	H	332	1.50	-
PK	2.494G	59.62	74.00	-14.38	32.18	3	H	332	1.50	-

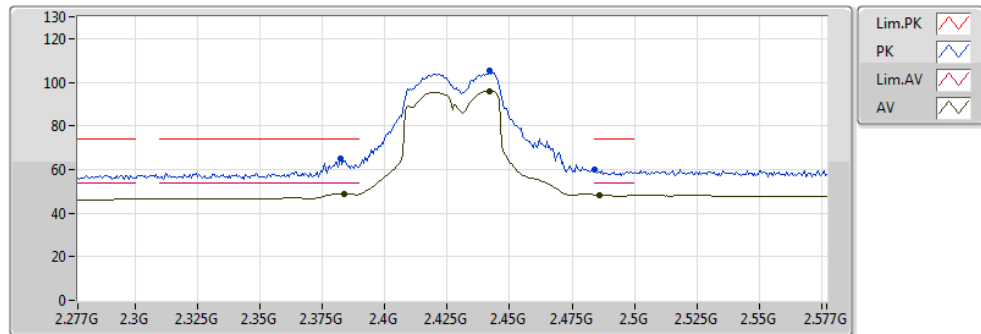
RE above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TX



2016/10/05
EUT Z
Setting 3
02-M-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3806G	49.01	54.00	-4.99	31.90	3	H	333	1.99	-
AV	2.4388G	97.16	Inf	-Inf	32.04	3	H	333	1.99	-
AV	2.5G	47.84	54.00	-6.16	32.19	3	H	333	1.99	-
PK	2.3764G	64.68	74.00	-9.32	31.89	3	H	333	1.99	-
PK	2.4394G	105.79	Inf	-Inf	32.04	3	H	333	1.99	-
PK	2.4934G	59.74	74.00	-14.26	32.17	3	H	333	1.99	-
AV	2.3838G	49.01	54.00	-4.99	31.91	3	V	276	1.98	-
AV	2.442G	95.97	Inf	-Inf	32.05	3	V	276	1.98	-
AV	2.4858G	48.28	54.00	-5.72	32.16	3	V	276	1.98	-
PK	2.382G	64.99	74.00	-9.01	31.90	3	V	276	1.98	-
PK	2.442G	105.41	Inf	-Inf	32.05	3	V	276	1.98	-
PK	2.484G	59.76	74.00	-14.24	32.15	3	V	276	1.98	-

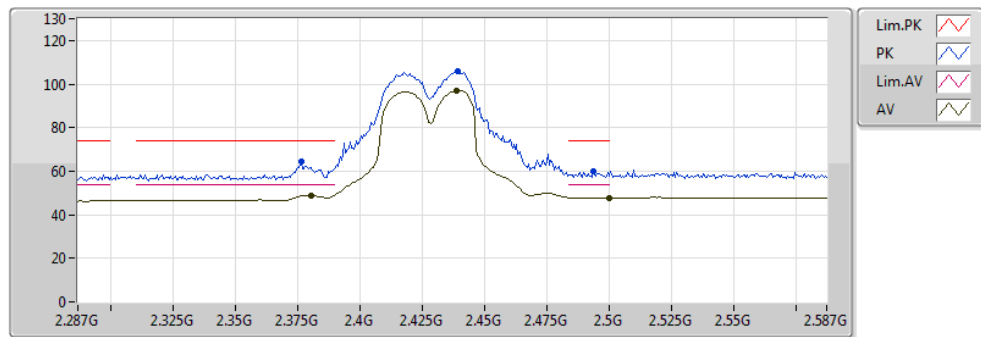
RE above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TX



2016/10/05
EUT Z
Setting 3
M-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3838G	49.01	54.00	-4.99	31.91	3	V	276	1.98	-
AV	2.442G	95.97	Inf	-Inf	32.05	3	V	276	1.98	-
AV	2.4858G	48.28	54.00	-5.72	32.16	3	V	276	1.98	-
PK	2.382G	64.99	74.00	-9.01	31.90	3	V	276	1.98	-
PK	2.442G	105.41	Inf	-Inf	32.05	3	V	276	1.98	-
PK	2.484G	59.76	74.00	-14.24	32.15	3	V	276	1.98	-

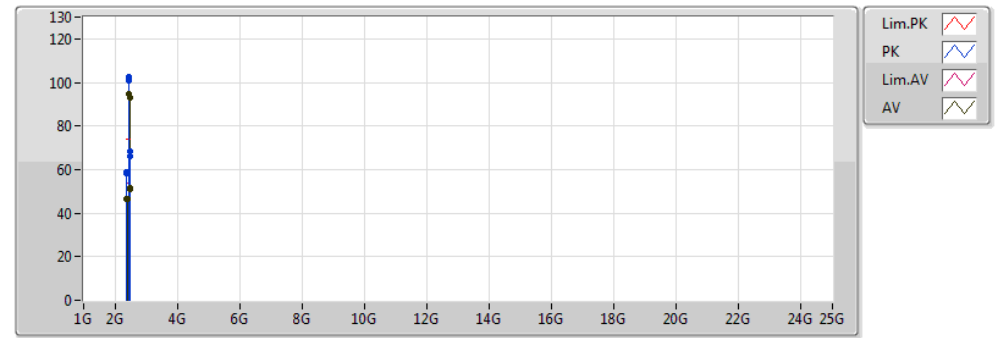
RE above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TX



2016/10/05
EUT Z
Setting 3
M-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3806G	49.01	54.00	-4.99	31.90	3	H	333	1.99	-
AV	2.4388G	97.16	Inf	-Inf	32.04	3	H	333	1.99	-
AV	2.5G	47.84	54.00	-6.16	32.19	3	H	333	1.99	-
PK	2.3764G	64.68	74.00	-9.32	31.89	3	H	333	1.99	-
PK	2.4394G	105.79	Inf	-Inf	32.04	3	H	333	1.99	-
PK	2.4934G	59.74	74.00	-14.26	32.17	3	H	333	1.99	-

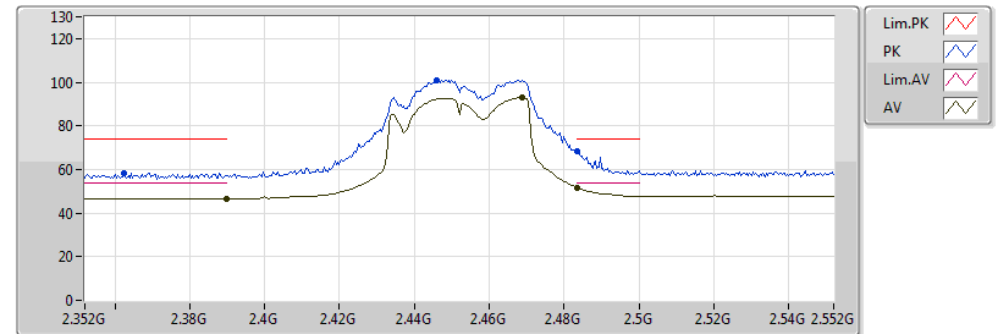
RE above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2452MHz;TX



2016/10/05
EUT Z
Setting 3
M-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3824G	46.77	54.00	-7.23	31.90	3	H	317	1.01	-
AV	2.44G	94.58	Inf	-Inf	32.05	3	H	317	1.01	-
AV	2.4836G	50.77	54.00	-3.23	32.15	3	H	317	1.01	-
PK	2.3844G	59.06	74.00	-14.94	31.91	3	H	317	1.01	-
PK	2.4384G	102.72	Inf	-Inf	32.04	3	H	317	1.01	-
PK	2.4836G	65.99	74.00	-8.01	32.15	3	H	317	1.01	-
AV	2.39G	46.57	54.00	-7.43	31.92	3	V	288	1.99	-
AV	2.4688G	92.84	Inf	-Inf	32.12	3	V	288	1.99	-
AV	2.4836G	51.46	54.00	-2.54	32.15	3	V	288	1.99	-
PK	2.3624G	58.42	74.00	-15.58	31.85	3	V	288	1.99	-
PK	2.446G	101.07	Inf	-Inf	32.06	3	V	288	1.99	-
PK	2.4836G	68.33	74.00	-5.67	32.15	3	V	288	1.99	-

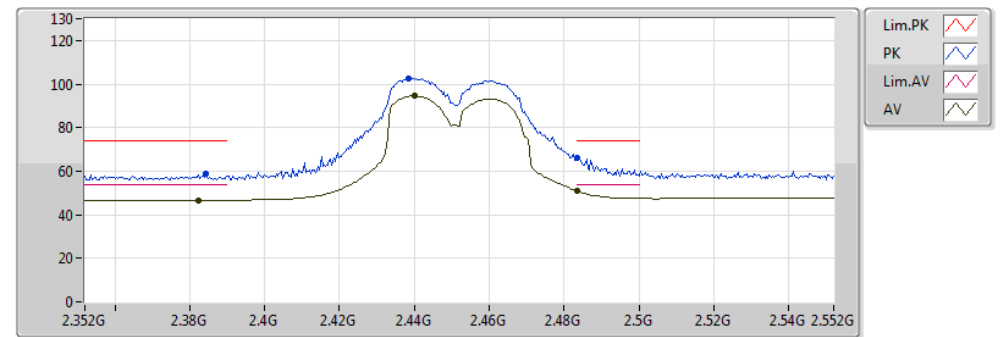
RE above 1GHz;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2452MHz;TX



2016/10/05
EUT Z
Setting 3
M-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	46.57	54.00	-7.43	31.92	3	V	288	1.99	-
AV	2.4688G	92.84	Inf	-Inf	32.12	3	V	288	1.99	-
AV	2.4836G	51.46	54.00	-2.54	32.15	3	V	288	1.99	-
PK	2.3624G	58.42	74.00	-15.58	31.85	3	V	288	1.99	-
PK	2.446G	101.07	Inf	-Inf	32.06	3	V	288	1.99	-
PK	2.4836G	68.33	74.00	-5.67	32.15	3	V	288	1.99	-

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



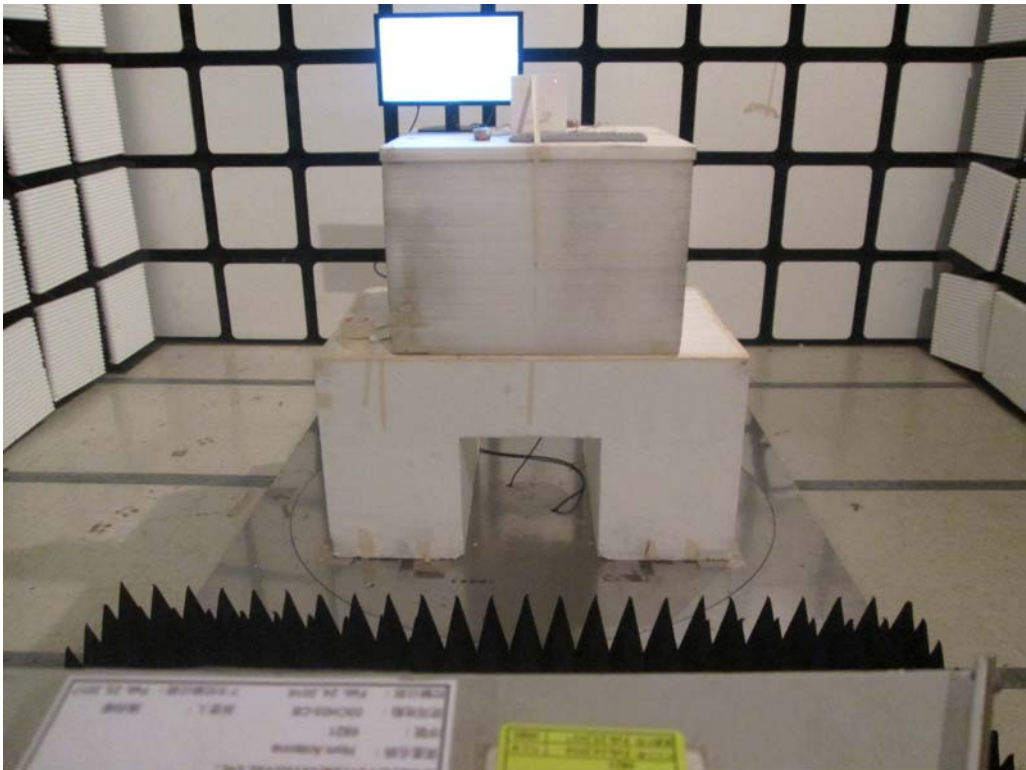
2016/10/05
EUT Z
Setting 3
M-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3824G	46.77	54.00	-7.23	31.90	3	H	317	1.01	-
AV	2.44G	94.58	Inf	-Inf	32.05	3	H	317	1.01	-
AV	2.4836G	50.77	54.00	-3.23	32.15	3	H	317	1.01	-
PK	2.3844G	59.06	74.00	-14.94	31.91	3	H	317	1.01	-
PK	2.4384G	102.72	Inf	-Inf	32.04	3	H	317	1.01	-
PK	2.4836G	65.99	74.00	-8.01	32.15	3	H	317	1.01	-

1. Photographs of Radiated Emissions Test Configuration

Test Configuration: Above 1GHz

FRONT VIEW



REAR VIEW

