

NCC Test Report

Equipment : 奇異超音波系統
Brand Name : GE
Model Name : Vscan Extend
Applicant : 奇異亞洲醫療設備股份有限公司
台北市中山區民生東路三段 8 號 6 樓
Manufacturer : GE VINGMED ULTRASOUND AS
STRANDPROMENADEN 45, P.O.BOX 141,
N-3191 HORTEN, NORWAY
Standard : LP0002 Section 3.10 (2018-01-10)

The product was received on Feb. 15, 2019, and testing was started from Feb. 20, 2019 and completed on Feb. 20, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
TR921246AC	01	Initial issue of report	Mar. 06, 2019

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	3.10.1.4	Antenna Requirement	PASS	LP0002-2.2
3.1	2.3	AC Power-line Conducted Emissions	PASS	LP0002-2.3
3.2	3.10.1.6	DTS Bandwidth	PASS	≥500kHz
3.3	3.10.1.2	Maximum Conducted Output Power	PASS	Power [dBm]: 30
3.4	3.10.1.6	Power Spectral Density	PASS	PSD [dBm/3kHz]: 8
3.5	3.10.1.5	Emissions in Non-restricted Frequency Bands	PASS	Non-Restricted Bands: > 30 dBc
3.6	3.10.1.5	Emissions in Restricted Frequency Bands	PASS	Restricted Bands: LP0002-2.8
3.7	2.11	Receiver Radiated Unwanted Emissions	PASS	Restricted Bands: LP0002-2.8

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and explanations:

None

Reviewed by: Ben Tseng

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX
2.4-2.4835GHz	802.11g	20	1TX
2.4-2.4835GHz	802.11n HT20	20	1TX
2.4-2.4835GHz	802.11n HT40	40	1TX

Note:

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	-	-	PIFA antenna	N/A	0

For 2.4GHz function:

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

Ant. 1 (port 1) could transmit/receive simultaneously.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC Adapter			
EUT Function	☒	Point-to-multipoint	☐	Point-to-point
Beamforming Function	☐	With beamforming	☒	Without beamforming
Type of EUT				
☒	Stand-alone			
☐	Combined (EUT where the radio part is fully integrated within another device)			
	Combined Equipment - Brand Name / Model No.:		...	
☐	Plug-in radio (EUT intended for a variety of host systems)			
	Host System - Brand Name / Model No.:		...	
☐	Other:			

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11g	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11n HT20	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11n HT40	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)

1.2 Testing Applied Standards

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

- ♦ LP0002 (2018-01-10)
- ♦ ANSI C63.10-2013
- ♦ KDB 558074 D01 v05
- ♦ ANSI C63.4-2014

1.3 Testing Location Information

Testing Location			
☒	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	
		TEL : 886-3-327-3456	FAX : 886-3-327-0973
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, 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-HY	Barry	23.3~23.6°C / 61~66%	20/Feb/2019
Radiated	03CH02-HY	Lego	23.1~24.2°C / 52.4~58.6%	20/Feb/2019
AC Conduction	CO04-HY	Lego	22.3~24.1°C / 64.1~67.2%	20/Feb/2019

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)	3.54 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	1.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 °C	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	110V

2.2 Test Channel Mode

Test Software	EngineerMode
---------------	--------------

Mode	PowerSetting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	26
2437MHz	31
2457MHz	31
2462MHz	30.5
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	20
2437MHz	30
2462MHz	30
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	20
2437MHz	30
2462MHz	30
802.11n HT40_Nss1,(MCS0)_1TX	-
2422MHz	20.5
2437MHz	21
2447MHz	30
2452MHz	28

2.3 The Worst Case Measurement Configuration

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains

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

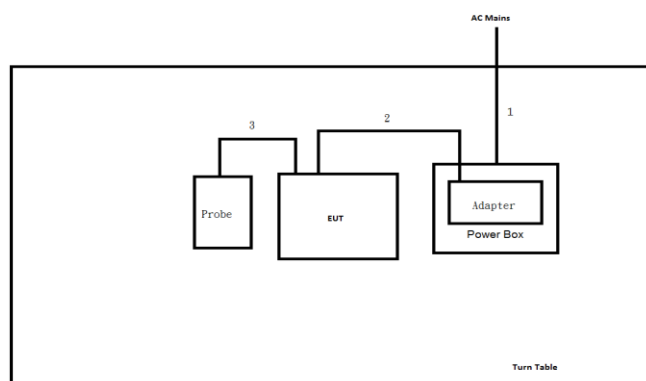
2.4 Accessories

Accessories				
AC Adapter	Brand Name	XP	Model Name	VEP24US12-XE1034C
	Manufacturer	-	SN	-
	Power Rating	I/P: 100 - 240Vac, 0.6A, O/P:12 Vdc, 2A		
	Power Cord	1.76 meter, shielded cable, w/o ferrite core		
Battery 1	Brand Name	-	Model Name	5693456
	Power Rating	7.4Vdc, 1150 mAh	Type	Li-ion, Y
Battery 2	Brand Name	LAVA	Model Name	BLV45
	Power Rating	3.8Vdc, 2500mAh	Type	Li-ion, Y
PLUG 1	Brand Name	-	Model Name	-
PLUG 2	Brand Name	-	Model Name	-
PLUG 3	Brand Name	-	Model Name	-
PLUG 4	Brand Name	-	Model Name	-
Mirco USB Cable	Power Cord	1 meter, shielded cable, w/o ferrite core		
Ultrasonic prober	Power Cord	1 meter, non-shielded cable, w/o ferrite core		

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

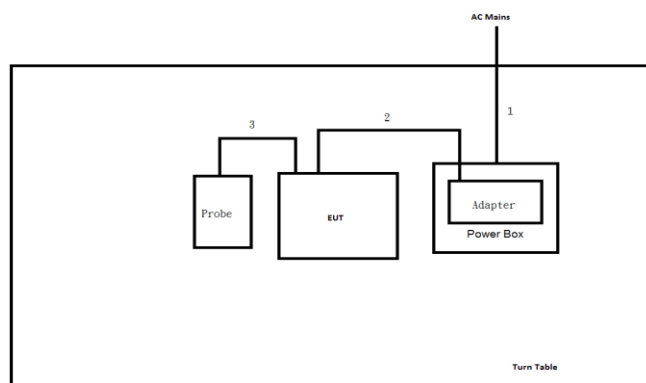
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	2.0	-
2	DC Power line	No	1.76	-
3	Probe line	No	1.0	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	2.0	-
2	DC Power line	No	1.76	-
3	Probe line	No	1.0	-

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.

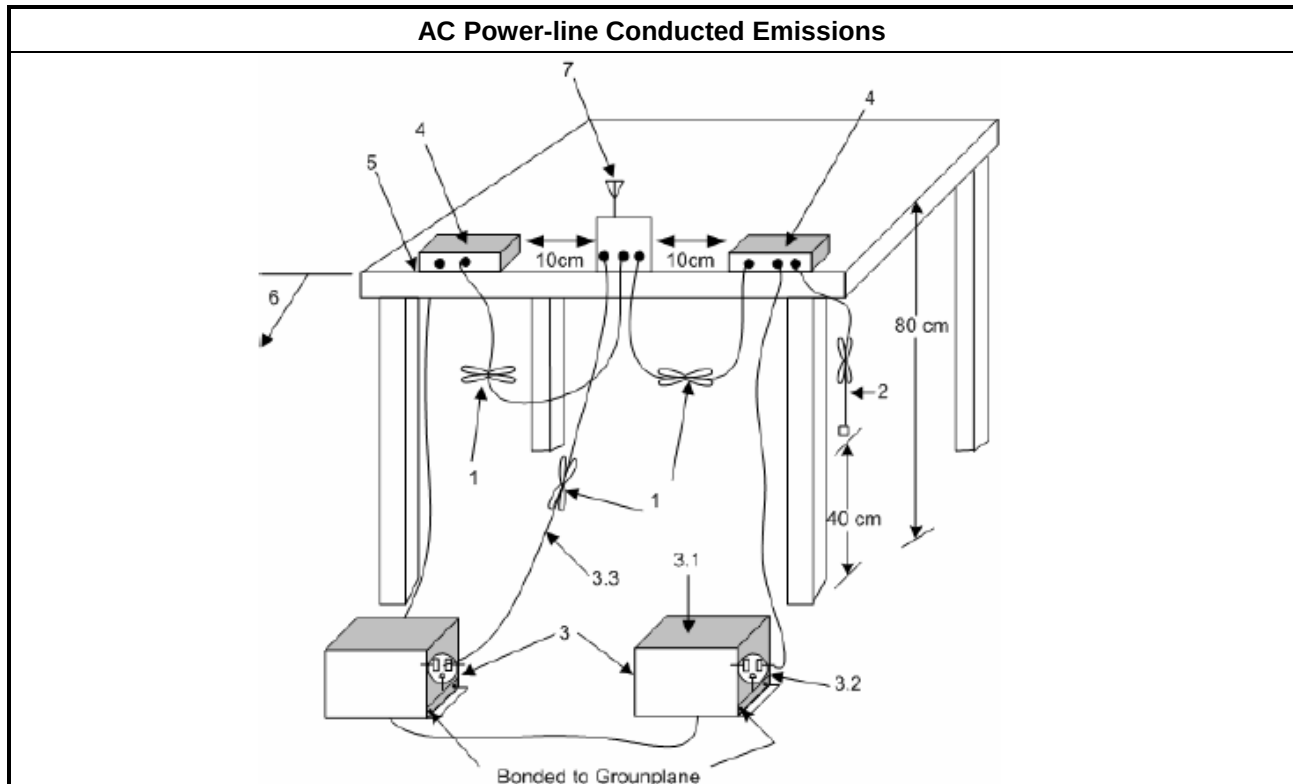
3.1.2 Measuring Instruments

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 A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

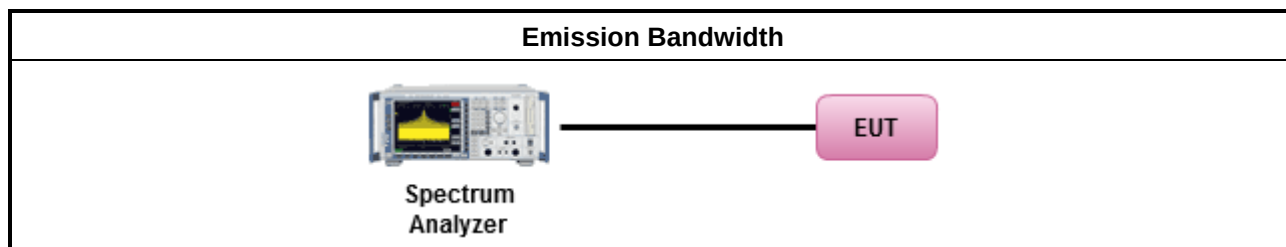
3.2.2 Measuring Instruments

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 KDB 558074. clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
☐ Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
☐ Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit		
	▪	If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	▪	Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	▪	Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	▪	Smart antenna system (SAS):
	-	Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	-	Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	-	Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
e.i.r.p. Power Limit:		
	▪	2400-2483.5 MHz Band
	▪	Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	▪	Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	▪	Smart antenna system (SAS)
	-	Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	-	Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	-	Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ 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.		

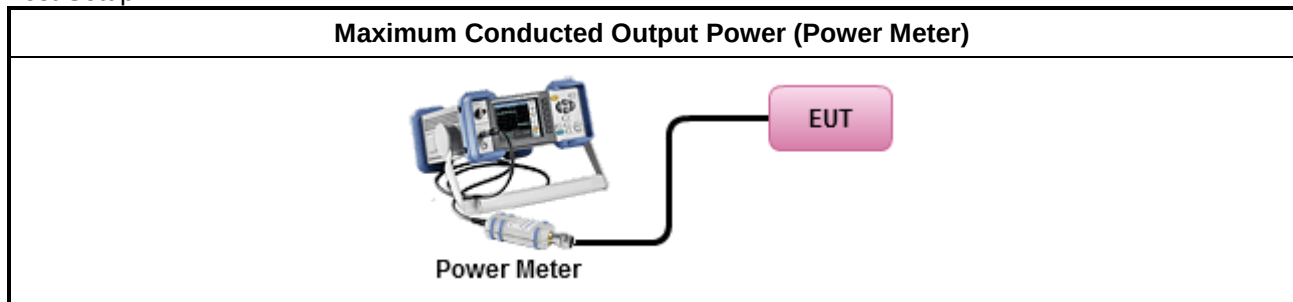
3.3.2 Measuring Instruments

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 KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
☐	Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
☐	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
Maximum Average Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
☒	Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
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]) $EIRP_{total} = P_{total} + DG$	

Test Setup



3.3.4 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

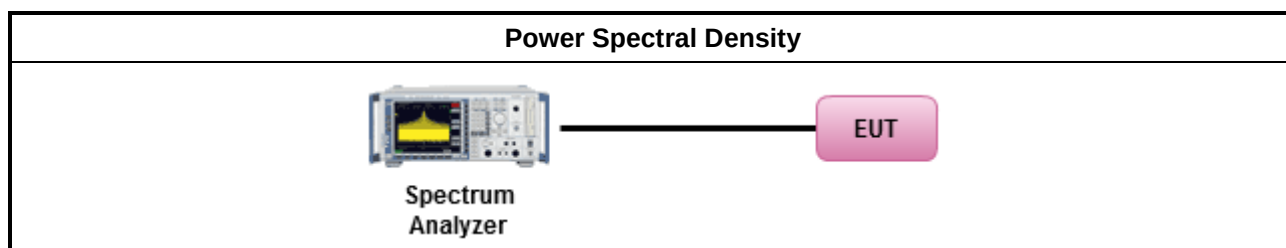
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
▪	Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
☒	Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Method PKPSD.
▪	For conducted measurement.
▪	If The EUT supports multiple transmit chains using options given below:
▪	Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

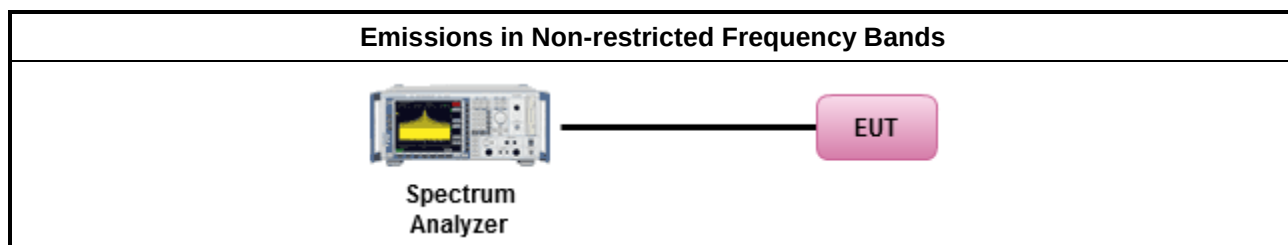
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
Refer as KDB 558074, clause 8.5 (11.11 of ANSI C63.10) for non-restricted frequency bands.

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

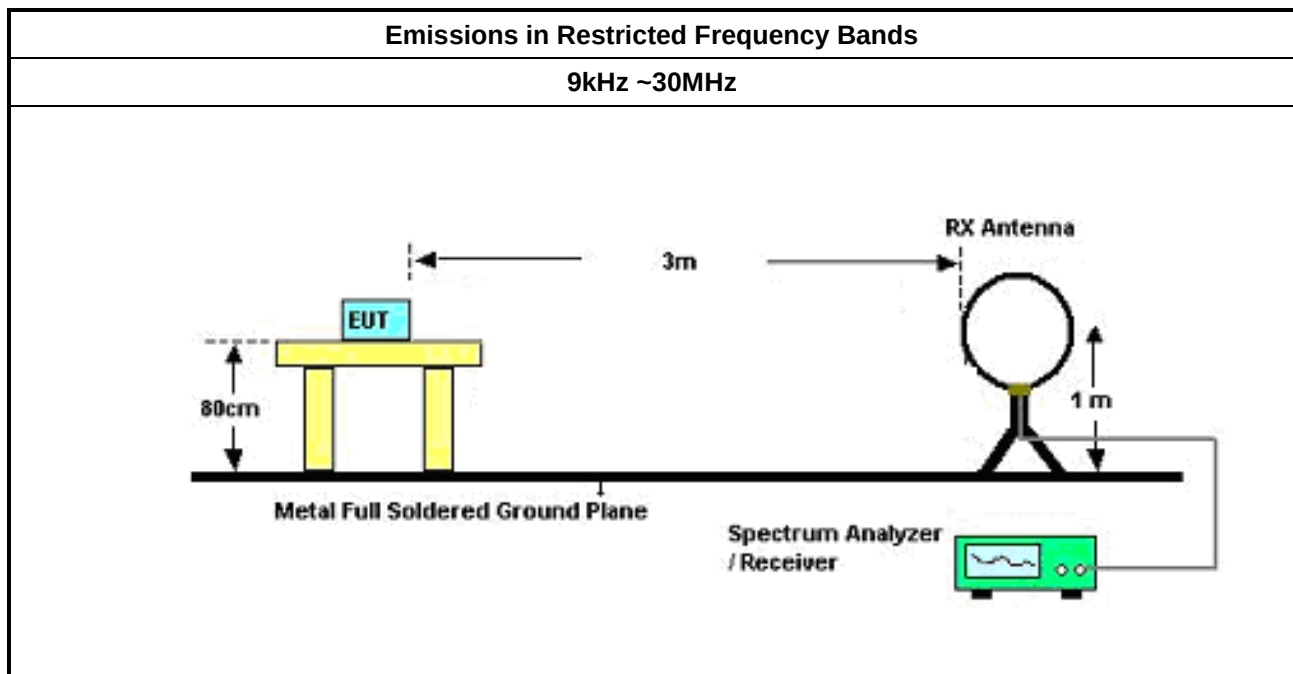
3.6.2 Measuring Instruments

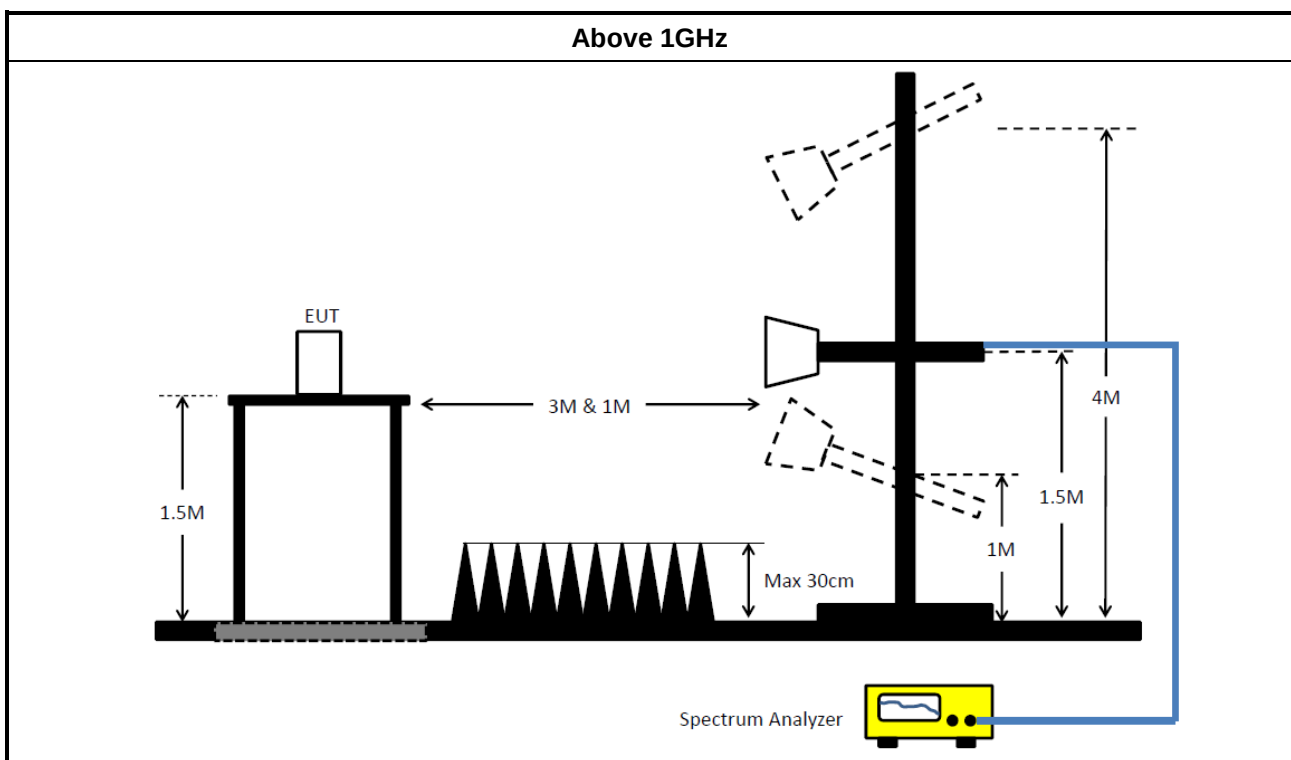
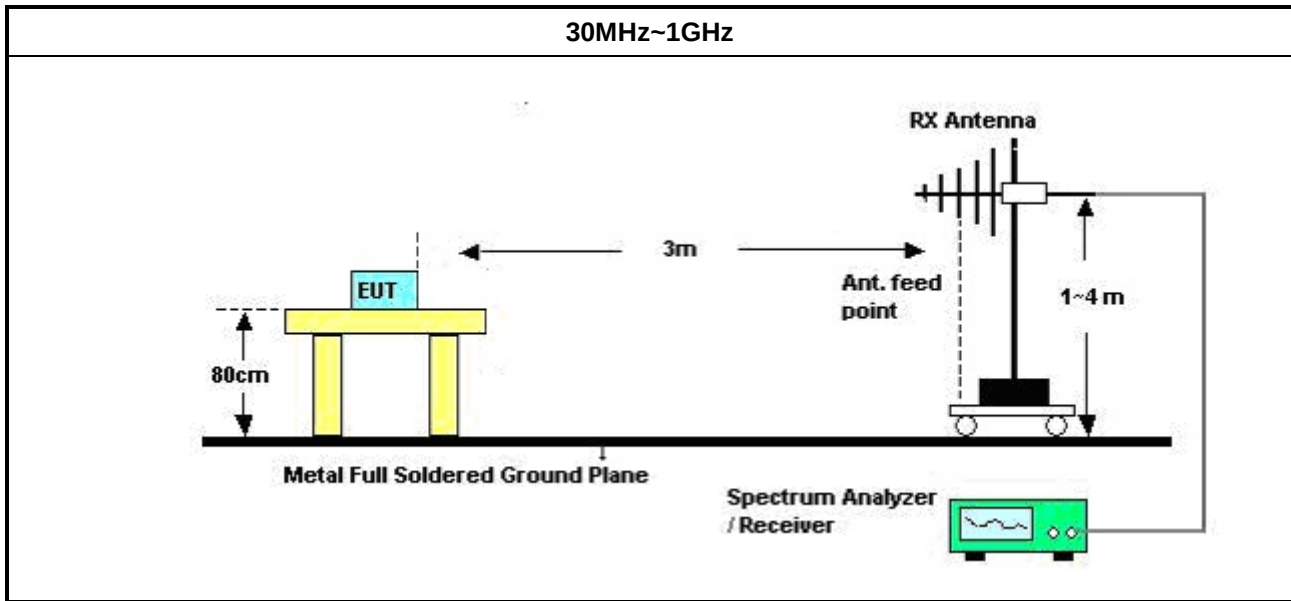
Refer a test equipment and calibration data table in this test report.

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 6.10.3 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 KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
For the transmitter band-edge emissions shall be measured using following options below:	
	Refer as KDB 558074 clause 8.7.1, 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 KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
Use the following spectrum analyzer settings:	
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.

3.6.4 Test Setup





3.6.5 Test Result of Emissions in Restricted Frequency Bands (Below 30MHz)

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

3.6.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

3.7 Receiver Radiated Spurious Emissions

3.7.1 Receiver in Radiated Spurious Emissions Limit

Restricted Spurious 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.

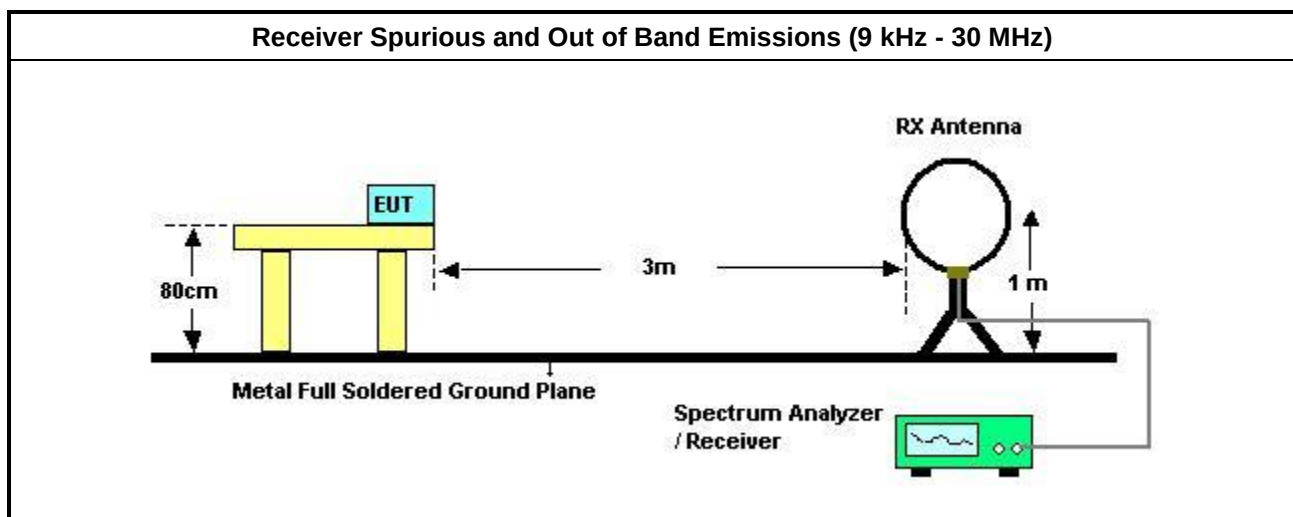
3.7.2 Measuring Instruments

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

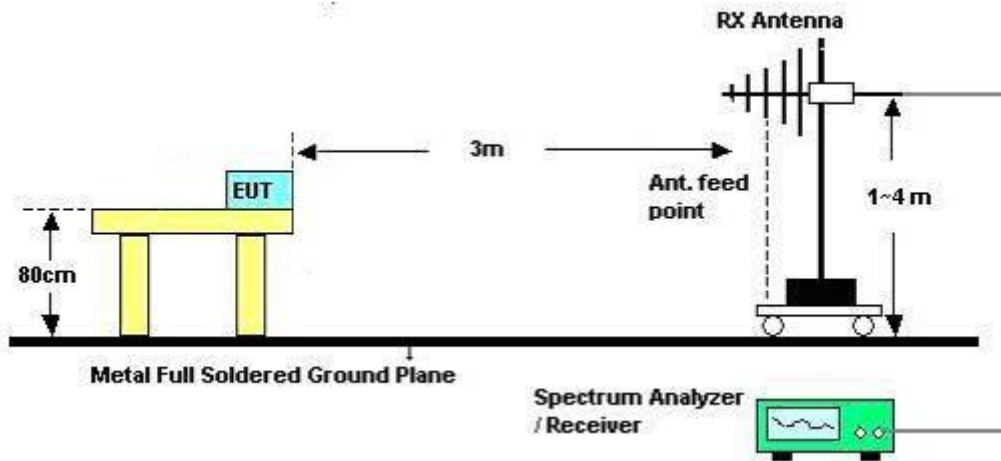
3.7.3 Test Procedures

Test Method	
☒	The search for spurious emissions shall be from the lowest frequency internally generated or used in the receiver (e.g. local oscillator, intermediate or carrier frequency), or 30 MHz, whichever is higher, to at least 3 times the highest tuneable or local oscillator frequency, whichever is higher, without exceeding 40 GHz.
☒	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).
☒	For radiated measurement, refer as ANSI C63.4, clause 8.3.
☒	Refer as ANSI C63.4, clause 8.3.1.1 and 8.3.2.1 for radiated emissions from below 30 MHz.
☒	Refer as ANSI C63.4, clause 8.3.1.1 and 8.3.2.1 for radiated emissions from 30 MHz-1 GHz. For the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the QP-Limit so that the QP level does not need to be reported in addition.
☒	Refer as ANSI C63.4, clause 8.3.1.2 and 8.3.2.2 for radiated emissions from above 1 GHz. For the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
☒	All amplitude of spurious emissions that are attenuated by more than 30 dB below the permissible value has no need to be reported.

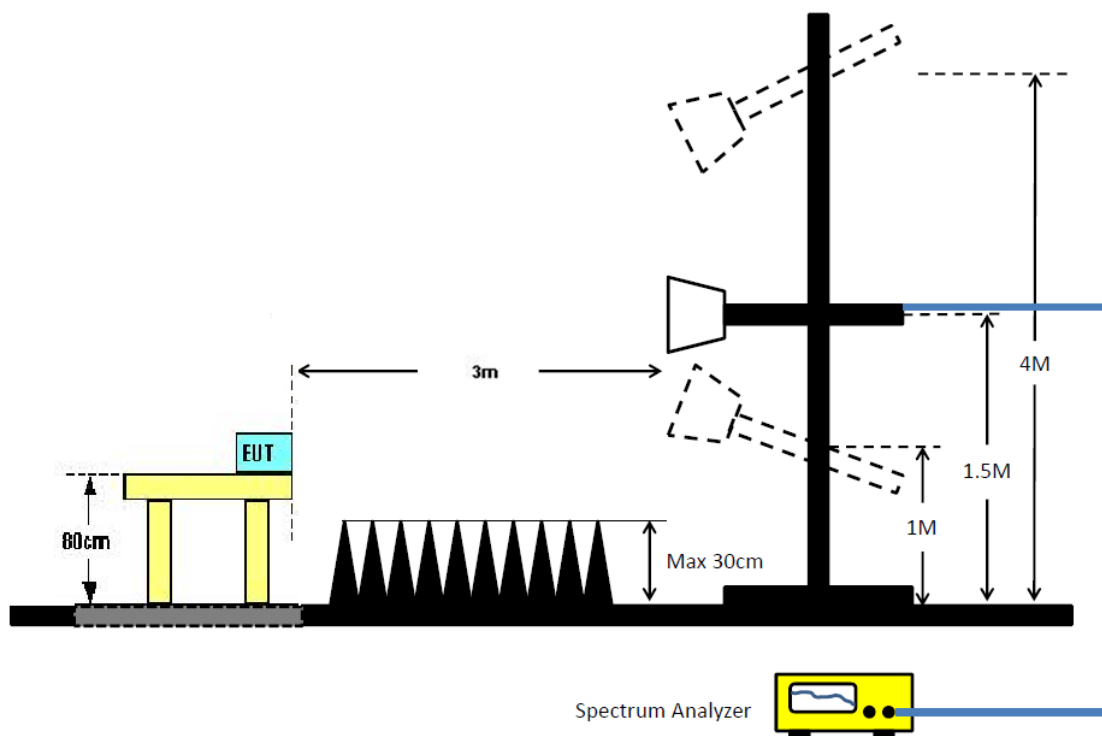
3.7.4 Test Setup



Receiver Radiated Unwanted Emissions (below 1GHz)



Receiver Radiated Unwanted Emissions (above 1GHz)



3.7.5 Receiver Radiated Unwanted Emissions (Below 30MHz)

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

3.7.6 Test Result of Receiver Radiated Unwanted Emissions

Refer as Appendix G

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR	102051	9KHz ~ 3.6GHz	03/May/2018	02/May/2019
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	08/Nov/2018	07/Nov/2019
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	17/Sep/2018	16/Sep/2019
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2018	11/Oct/2019

NCR : Non-Calibration Require

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz ~ 1GHz 3m	19/Oct/2018	18/Oct/2019
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz 3m	17/Oct/2018	16/Oct/2019
Amplifier	Agilent	8447D	2944A11149	100kHz ~ 1.3GHz	27Jul/2018	02/Jul/2019
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz ~ 26.5GHz	23/Oct/2018	22/Oct/2019
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40GHz	18/Jul/2018	17/Jul/2019
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	10/Apr/2018	09/Apr/2019
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	18/Jan/2019	17/Jan/2020
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	18/Jan/2019	17/Jan/2020
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz ~ 1GHz	08/Sep/2018	07/Sep/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 01543	1GHz ~ 18GHz	11/May/2018	10/May/2019

Instrument for Conducted Test

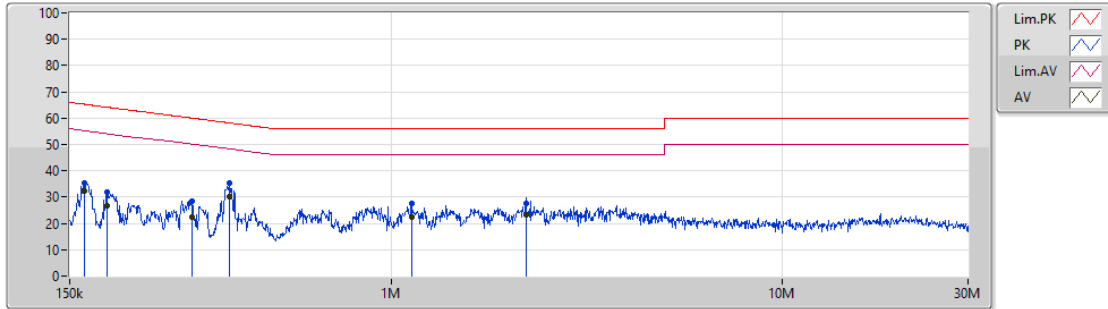
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101029	10Hz~40GHz	11/Sep/2018	10/Sep/2019
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020
Pulse Power Sensor	Anritsu	MA2411B	1339407	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Power Meter	Anritsu	ML2495A	1517010	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	30MHz~1G	11/Jan/2019	10/Jan/2020
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	1G~18G	11/Jan/2019	10/Jan/2020
Cable 0.2m	HUBER	MY10711/4	RF Cable - 01	30MHz~1G	11/Jan/2019	10/Jan/2020
Cable 0.2m	HUBER	MY10711/4	RF Cable - 01	1G~18G	11/Jan/2019	10/Jan/2020
Cable 0.5m	HUBER	MY10714/4	RF Cable – 05	30MHz~1G	11/Jan/2019	10/Jan/2020
Cable 0.5m	HUBER	MY10714/4	RF Cable – 05	1G~18G	11/Jan/2019	10/Jan/2020

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	Adapter mode		

AC Conduction_Mode 1

20/02/2019



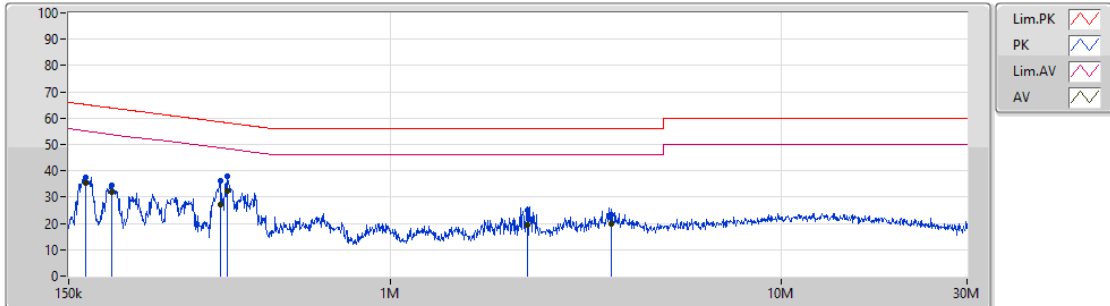
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	163.769k	35.18	65.27	-30.09	19.48	Neutral	-	15.70	9.60	0.01	9.87			
AV	163.769k	32.44	55.27	-22.83	19.48	Neutral	-	12.96	9.60	0.01	9.87			
QP	186.83k	31.84	64.18	-32.34	19.47	Neutral	-	12.37	9.59	0.01	9.87			
AV	186.83k	26.90	54.18	-27.28	19.47	Neutral	-	7.43	9.59	0.01	9.87			
QP	307.723k	28.54	60.03	-31.49	19.48	Neutral	-	9.06	9.59	0.01	9.88			
AV	307.723k	22.26	50.03	-27.77	19.48	Neutral	-	2.78	9.59	0.01	9.88			
QP	384.811k	35.55	58.18	-22.63	19.48	Neutral	-	16.07	9.59	0.01	9.88			
AV	384.811k	30.26	48.18	-17.92	19.48	Neutral	"Worst"	10.78	9.59	0.01	9.88			
QP	1.131M	27.79	56.00	-28.21	19.49	Neutral	-	8.30	9.59	0.02	9.88			
AV	1.131M	22.51	46.00	-23.49	19.49	Neutral	-	3.02	9.59	0.02	9.88			
QP	2.211M	27.70	56.00	-28.30	19.53	Neutral	-	8.17	9.61	0.03	9.89			
AV	2.211M	23.32	46.00	-22.68	19.53	Neutral	-	3.79	9.61	0.03	9.89			

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	Adapter mode		

AC Conduction_Mode 1

20/02/2019



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	165.743k	37.71	65.18	-27.47	19.48	Line	-	18.23	9.60	0.01	9.87			
AV	165.743k	35.50	55.18	-19.68	19.48	Line	-	16.02	9.60	0.01	9.87			
QP	193.664k	34.66	63.88	-29.22	19.48	Line	-	15.18	9.60	0.01	9.87			
AV	193.664k	32.05	53.88	-21.83	19.48	Line	-	12.57	9.60	0.01	9.87			
QP	366.811k	36.33	58.58	-22.25	19.48	Line	-	16.85	9.59	0.01	9.88			
AV	366.811k	27.31	48.58	-21.27	19.48	Line	-	7.83	9.59	0.01	9.88			
QP	381.751k	37.79	58.24	-20.45	19.48	Line	-	18.31	9.59	0.01	9.88			
AV	381.751k	32.14	48.24	-16.10	19.48	Line	"Worst"	12.66	9.59	0.01	9.88			
QP	2.247M	25.20	56.00	-30.80	19.55	Line	-	5.65	9.62	0.04	9.89			
AV	2.247M	19.31	46.00	-26.69	19.55	Line	-	-0.24	9.62	0.04	9.89			
QP	3.686M	23.27	56.00	-32.73	19.56	Line	-	3.71	9.63	0.04	9.89			
AV	3.686M	19.81	46.00	-26.19	19.56	Line	-	0.25	9.63	0.04	9.89			

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	11.075M	23.163M	23M2G1D	9.575M	14.118M
802.11g_Nss1,(6Mbps)_1TX	16.425M	18.341M	18M3D1D	16.4M	16.467M
802.11n HT20_Nss1,(MCS0)_1TX	17.8M	19.19M	19M2D1D	17.65M	17.616M
802.11n HT40_Nss1,(MCS0)_1TX	36.3M	36.182M	36M2D1D	28.3M	35.782M

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

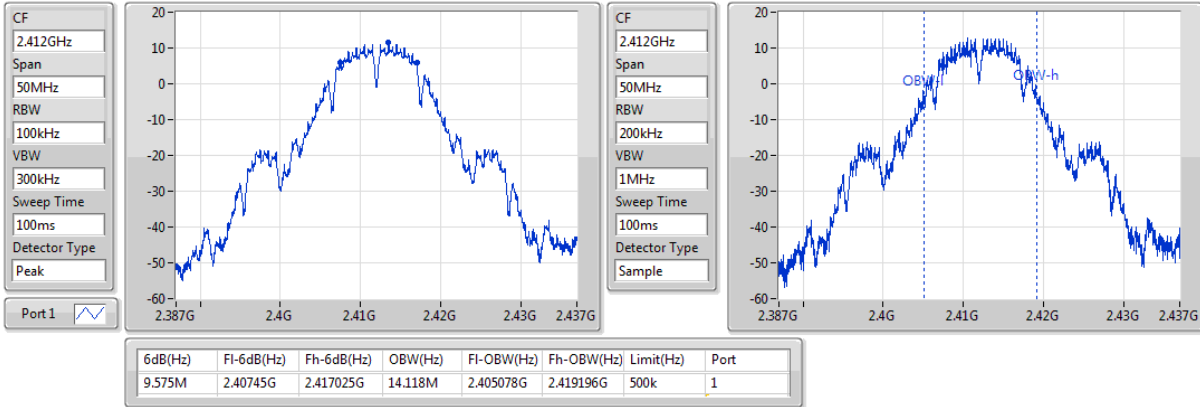
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	9.575M	14.118M
2437MHz	Pass	500k	10.1M	22.964M
2462MHz	Pass	500k	11.075M	23.163M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.425M	16.467M
2437MHz	Pass	500k	16.425M	17.041M
2462MHz	Pass	500k	16.4M	18.341M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	17.675M	17.616M
2437MHz	Pass	500k	17.8M	17.991M
2462MHz	Pass	500k	17.65M	19.19M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	35.25M	35.782M
2437MHz	Pass	500k	36.3M	36.182M
2452MHz	Pass	500k	28.3M	35.982M

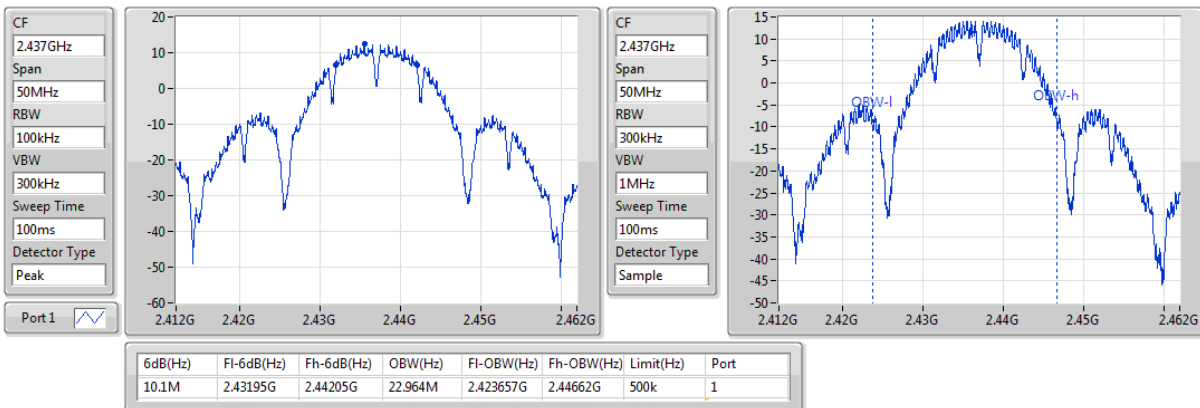
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_1TX
EBW
2412MHz

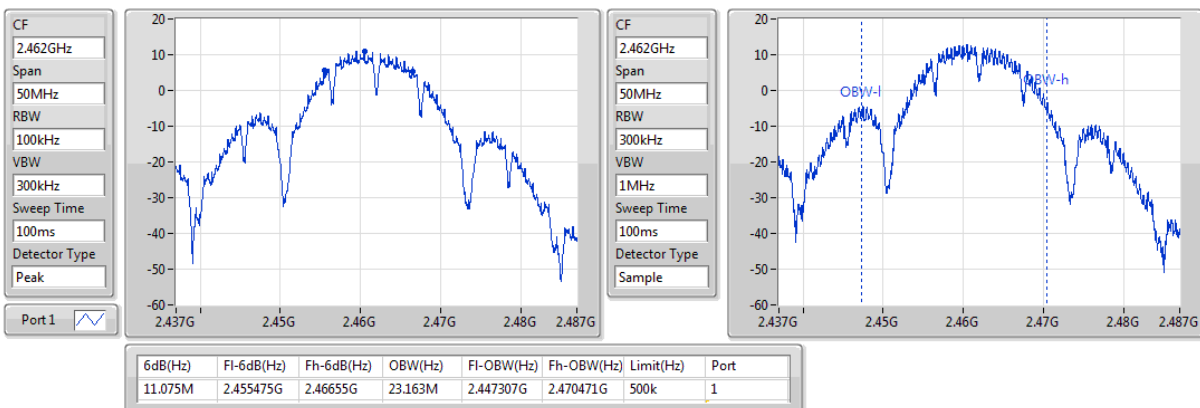
20/02/2019


802.11b_Nss1,(1Mbps)_1TX
EBW
2437MHz

20/02/2019

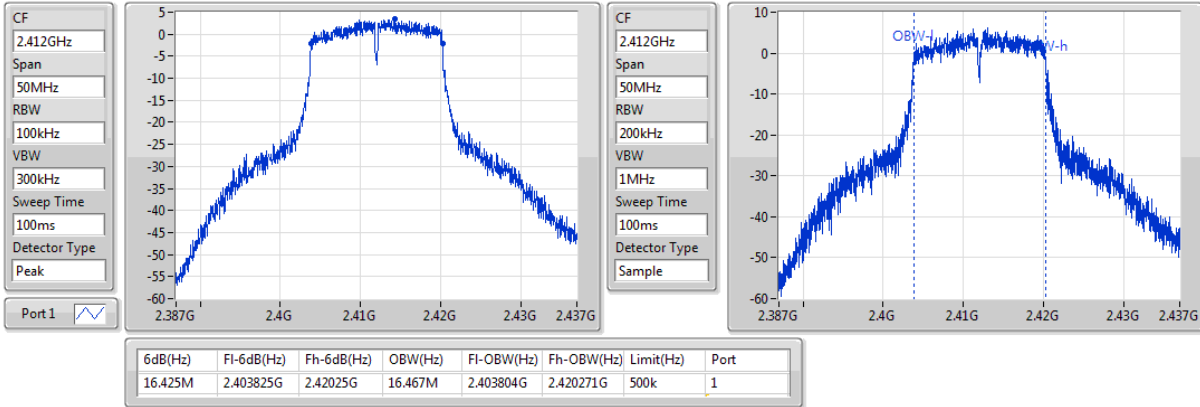

802.11b_Nss1,(1Mbps)_1TX
EBW
2462MHz

20/02/2019

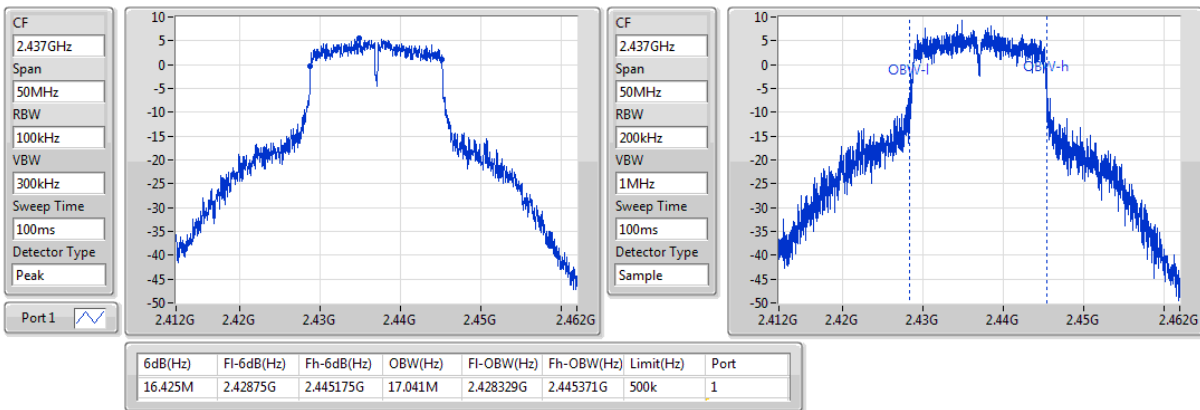


802.11g_Nss1,(6Mbps)_1TX
EBW
2412MHz

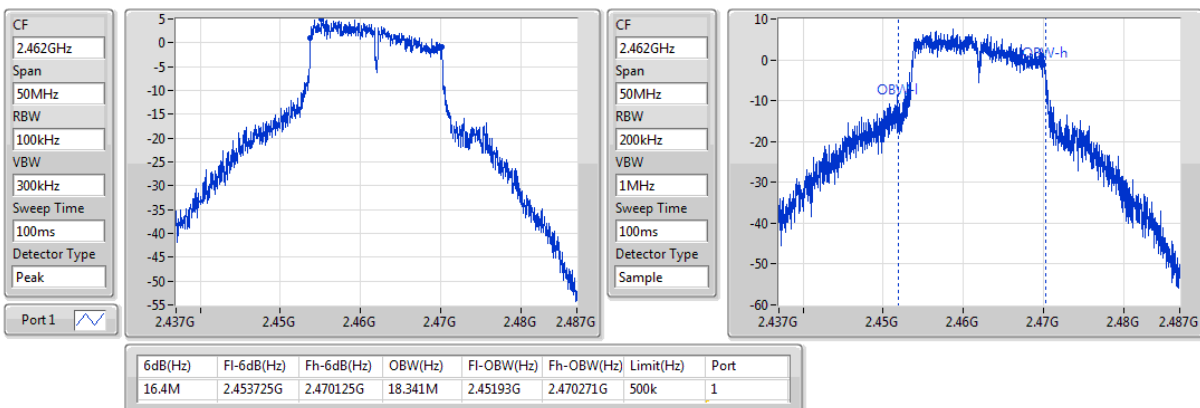
20/02/2019


802.11g_Nss1,(6Mbps)_1TX
EBW
2437MHz

20/02/2019

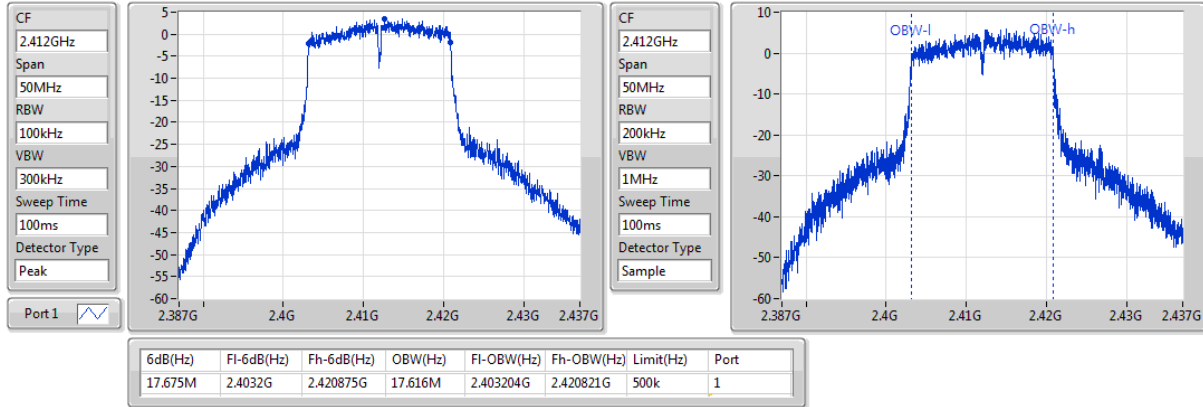

802.11g_Nss1,(6Mbps)_1TX
EBW
2462MHz

20/02/2019

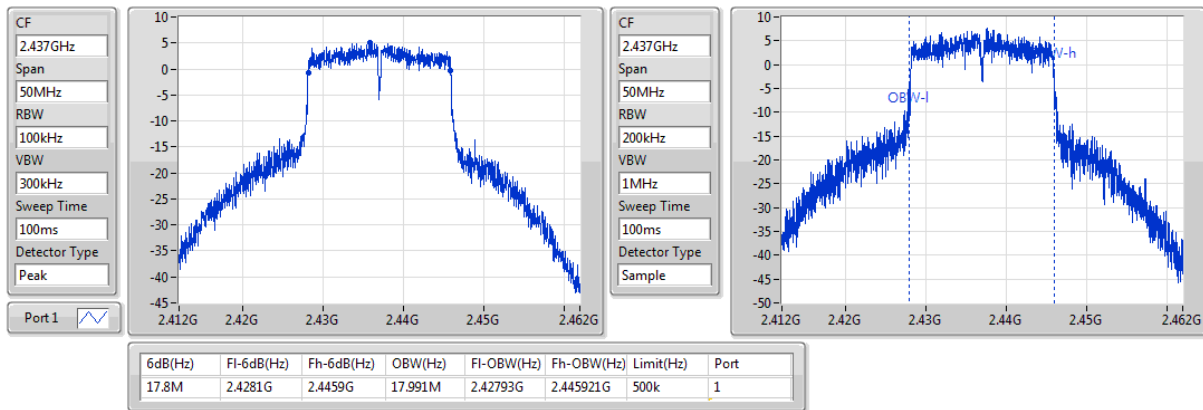


802.11n HT20_Nss1,(MCS0)_1TX
EBW
2412MHz

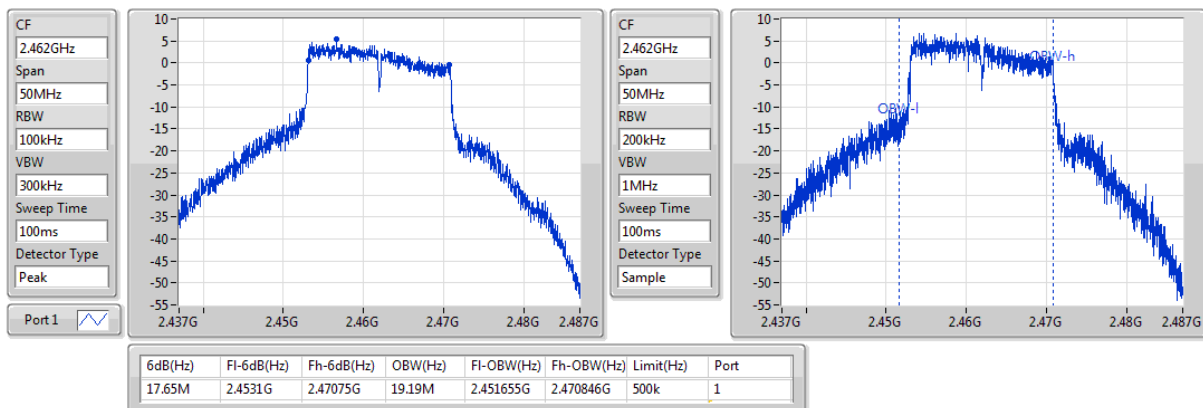
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802.11n HT20_Nss1,(MCS0)_1TX
EBW
2437MHz

20/02/2019

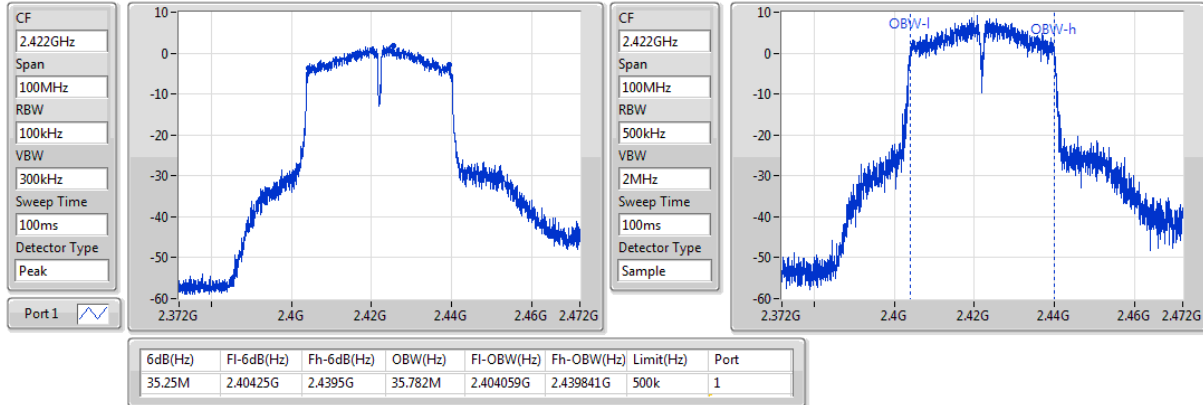

802.11n HT20_Nss1,(MCS0)_1TX
EBW
2462MHz

20/02/2019

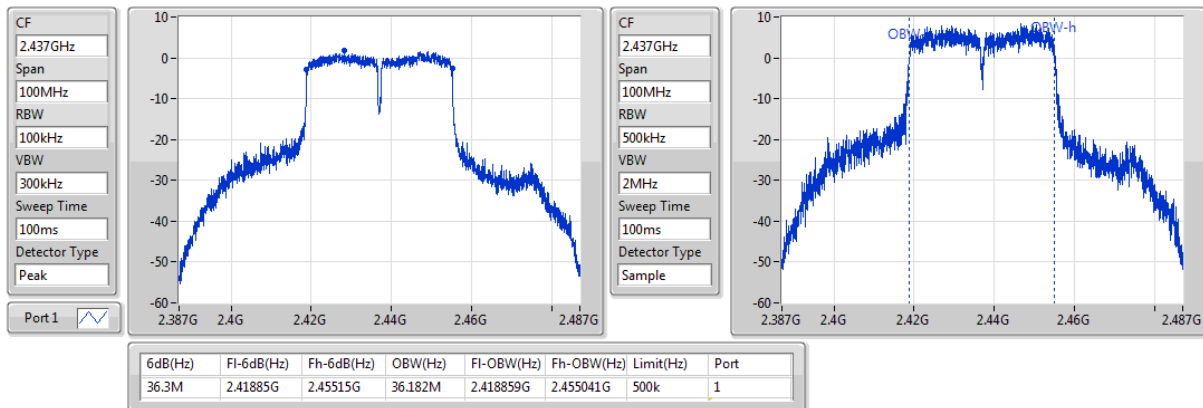


802.11n HT40_Nss1,(MCS0)_1TX
EBW
2422MHz

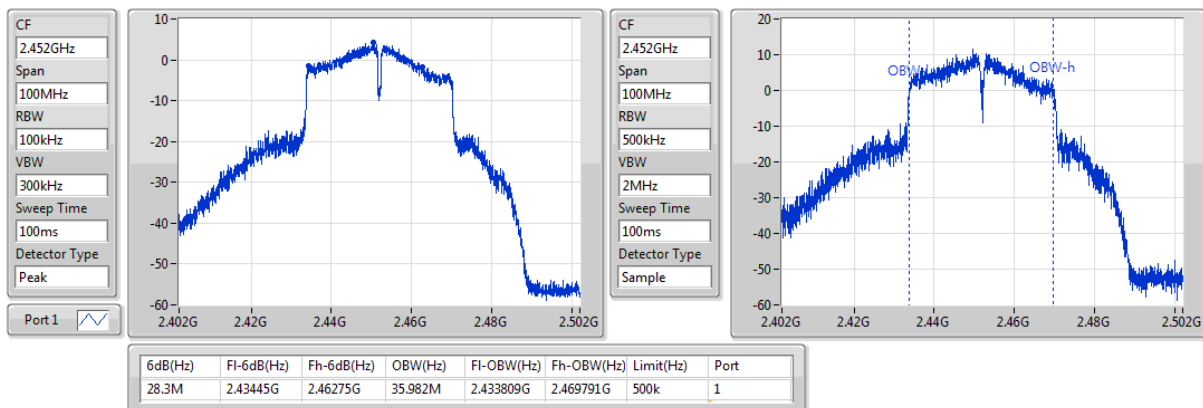
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802.11n HT40_Nss1,(MCS0)_1TX
EBW
2437MHz

20/02/2019


802.11n HT40_Nss1,(MCS0)_1TX
EBW
2452MHz

20/02/2019



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	24.28	0.26792
802.11g_Nss1,(6Mbps)_1TX	19.92	0.09817
802.11n HT20_Nss1,(MCS0)_1TX	19.89	0.09750
802.11n HT40_Nss1,(MCS0)_1TX	20.30	0.10715

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	0.00	22.66	22.66	30.00
2437MHz	Pass	0.00	24.28	24.28	30.00
2457MHz	Pass	0.00	23.76	23.76	30.00
2462MHz	Pass	0.00	22.72	22.72	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	0.00	18.00	18.00	30.00
2437MHz	Pass	0.00	19.92	19.92	30.00
2462MHz	Pass	0.00	18.73	18.73	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	0.00	17.98	17.98	30.00
2437MHz	Pass	0.00	19.89	19.89	30.00
2462MHz	Pass	0.00	18.73	18.73	30.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	0.00	18.93	18.93	30.00
2437MHz	Pass	0.00	19.49	19.49	30.00
2447MHz	Pass	0.00	20.30	20.30	30.00
2452MHz	Pass	0.00	20.08	20.08	30.00

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

Note : Conducted average output power is for reference only

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	-5.93
802.11g_Nss1,(6Mbps)_1TX	-8.92
802.11n HT20_Nss1,(MCS0)_1TX	-8.77
802.11n HT40_Nss1,(MCS0)_1TX	-9.87

RBW=3kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	0.00	-7.06	-7.06	8.00
2437MHz	Pass	0.00	-5.93	-5.93	8.00
2462MHz	Pass	0.00	-7.45	-7.45	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	0.00	-11.22	-11.22	8.00
2437MHz	Pass	0.00	-8.92	-8.92	8.00
2462MHz	Pass	0.00	-9.86	-9.86	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	0.00	-10.74	-10.74	8.00
2437MHz	Pass	0.00	-8.77	-8.77	8.00
2462MHz	Pass	0.00	-9.71	-9.71	8.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	0.00	-10.79	-10.79	8.00
2437MHz	Pass	0.00	-11.74	-11.74	8.00
2452MHz	Pass	0.00	-9.87	-9.87	8.00

DG = Directional Gain; RBW=3kHz;

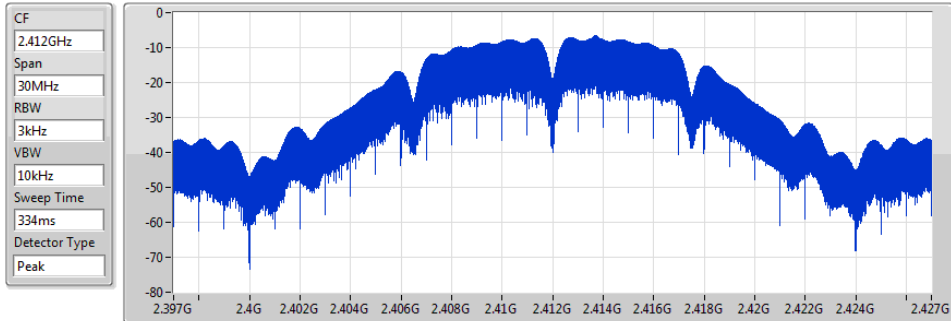
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11b_Nss1,(1Mbps)_1TX

PSD

2412MHz

20/02/2019



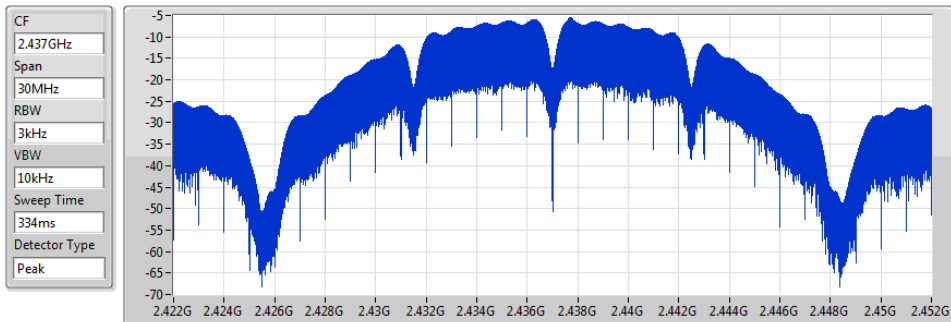
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.06	-7.06	-7.06

802.11b_Nss1,(1Mbps)_1TX

PSD

2437MHz

20/02/2019



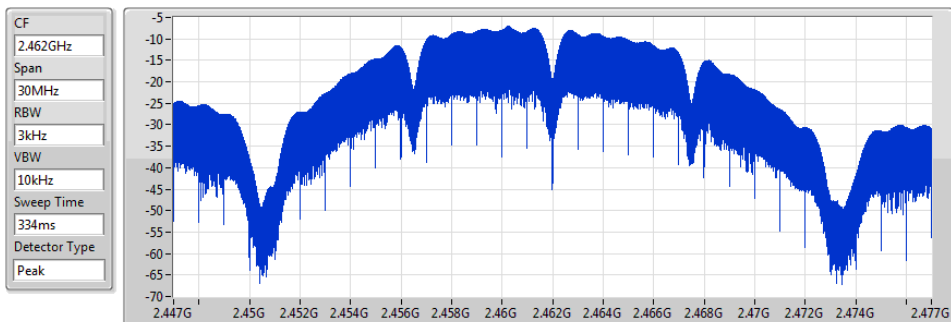
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.93	-5.93	-5.93

802.11b_Nss1,(1Mbps)_1TX

PSD

2462MHz

20/02/2019



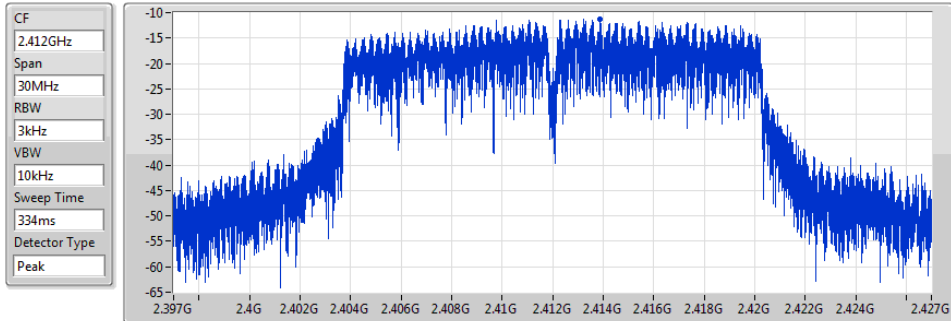
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.45	-7.45	-7.45

802.11g_Nss1,(6Mbps)_1TX

PSD

2412MHz

20/02/2019



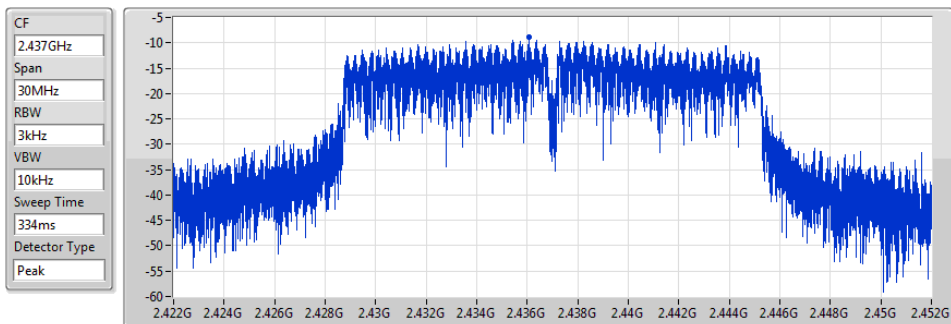
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-11.22	-11.22	-11.22

802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

20/02/2019



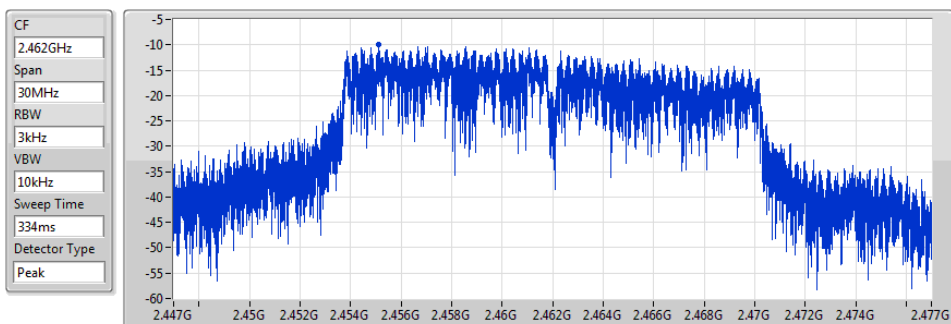
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-8.92	-8.92	-8.92

802.11g_Nss1,(6Mbps)_1TX

PSD

2462MHz

20/02/2019



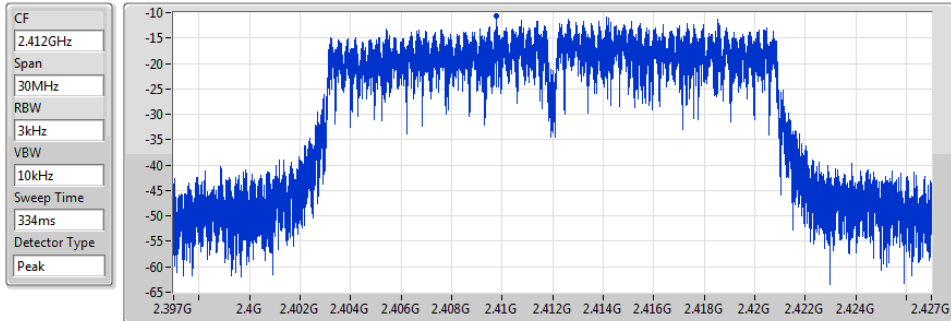
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-9.86	-9.86	-9.86

802.11n HT20_Nss1,(MCS0)_1TX

PSD

2412MHz

20/02/2019



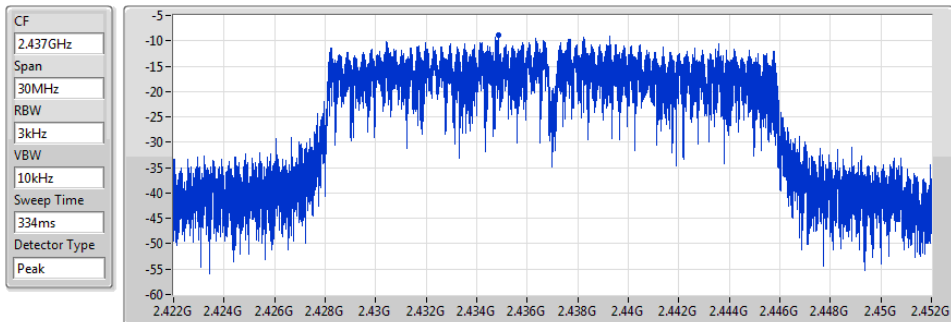
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.74	-10.74	-10.74

802.11n HT20_Nss1,(MCS0)_1TX

PSD

2437MHz

20/02/2019



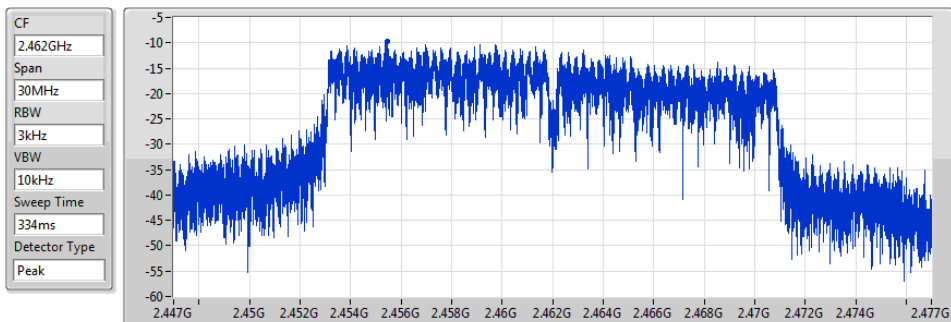
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.77	-8.77	-8.77

802.11n HT20_Nss1,(MCS0)_1TX

PSD

2462MHz

20/02/2019



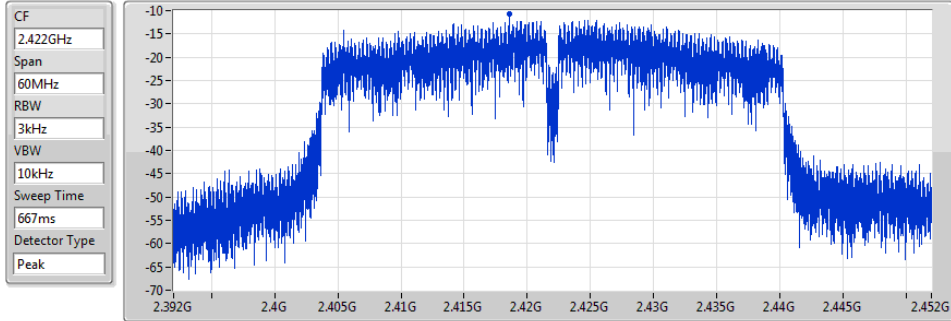
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.71	-9.71	-9.71

802.11n HT40_Nss1,(MCS0)_1TX

PSD

2422MHz

20/02/2019



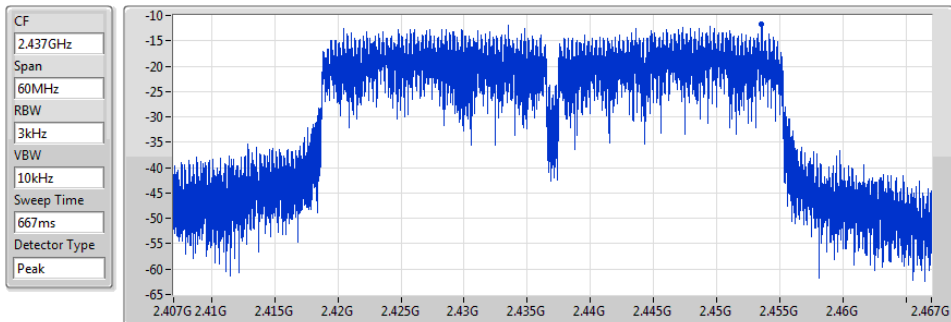
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.79	-10.79	-10.79

802.11n HT40_Nss1,(MCS0)_1TX

PSD

2437MHz

20/02/2019



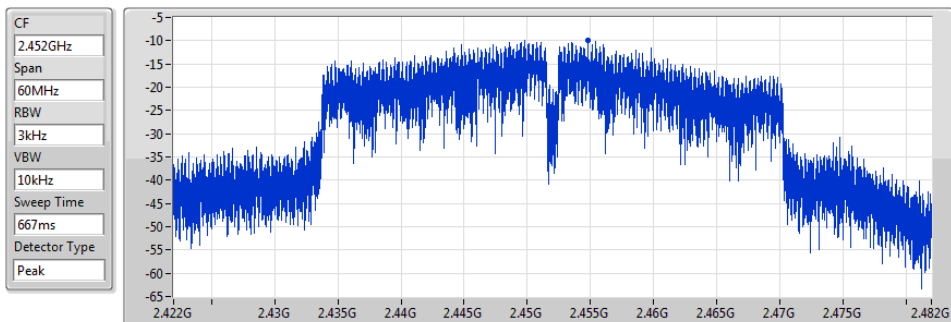
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.74	-11.74	-11.74

802.11n HT40_Nss1,(MCS0)_1TX

PSD

2452MHz

20/02/2019



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.87	-9.87	-9.87

Summary

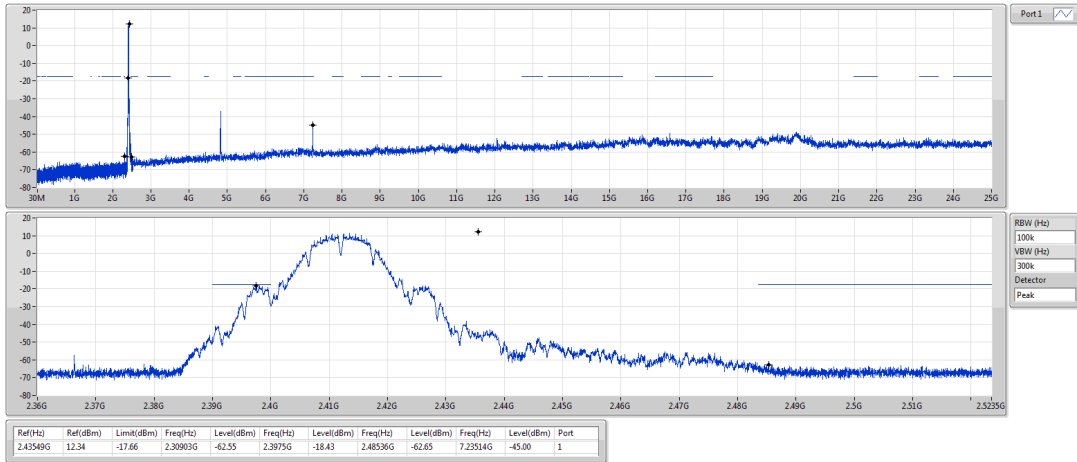
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.43549G	12.34	-17.66	2.30903G	-62.55	2.3975G	-18.43	2.48536G	-62.65	7.23514G	-45.00	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.4354G	4.82	-25.18	2.30204G	-65.36	2.3992G	-25.84	2.48354G	-56.67	24.62914G	-50.78	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.43762G	5.46	-24.54	1.98866G	-64.76	2.39984G	-24.67	2.48404G	-56.33	17.60242G	-50.26	1
802.11n HT40_Nss1,(MCS0)_1TX	Pass	2.4486G	3.65	-26.35	2.30368G	-64.37	2.39924G	-26.55	2.48354G	-38.91	17.60998G	-50.47	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43549G	12.34	-17.66	2.30903G	-62.55	2.3975G	-18.43	2.48536G	-62.65	7.23514G	-45.00	1
2437MHz	Pass	2.43549G	12.34	-17.66	32.91M	-63.37	2.39998G	-34.88	2.4845G	-53.19	17.59961G	-51.30	1
2462MHz	Pass	2.43549G	12.34	-17.66	1.98866G	-64.51	2.39652G	-49.49	2.48352G	-32.96	16.21731G	-51.18	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4354G	4.82	-25.18	2.30204G	-65.36	2.3992G	-25.84	2.48354G	-56.67	24.62914G	-50.78	1
2437MHz	Pass	2.4354G	4.82	-25.18	1.96332G	-65.09	2.39954G	-49.19	2.48362G	-55.55	15.20306G	-51.44	1
2462MHz	Pass	2.4354G	4.82	-25.18	2.14185G	-65.58	2.39948G	-51.11	2.48354G	-38.09	15.0092G	-50.82	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43762G	5.46	-24.54	1.98866G	-64.76	2.39984G	-24.67	2.48404G	-56.33	17.60242G	-50.26	1
2437MHz	Pass	2.43762G	5.46	-24.54	1.96477G	-64.98	2.3992G	-48.30	2.48416G	-55.16	16.92813G	-51.08	1
2462MHz	Pass	2.43762G	5.46	-24.54	1.9872G	-65.29	2.39932G	-52.24	2.48354G	-35.68	16.20045G	-50.01	1
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4486G	3.65	-26.35	2.01257G	-65.36	2.39732G	-28.37	2.48382G	-53.18	16.27501G	-51.10	1
2437MHz	Pass	2.4486G	3.65	-26.35	2.30368G	-64.37	2.39924G	-26.55	2.48354G	-38.91	17.60998G	-50.47	1
2452MHz	Pass	2.4486G	3.65	-26.35	1.96906G	-64.68	2.39996G	-43.78	2.48362G	-29.92	15.18403G	-51.07	1

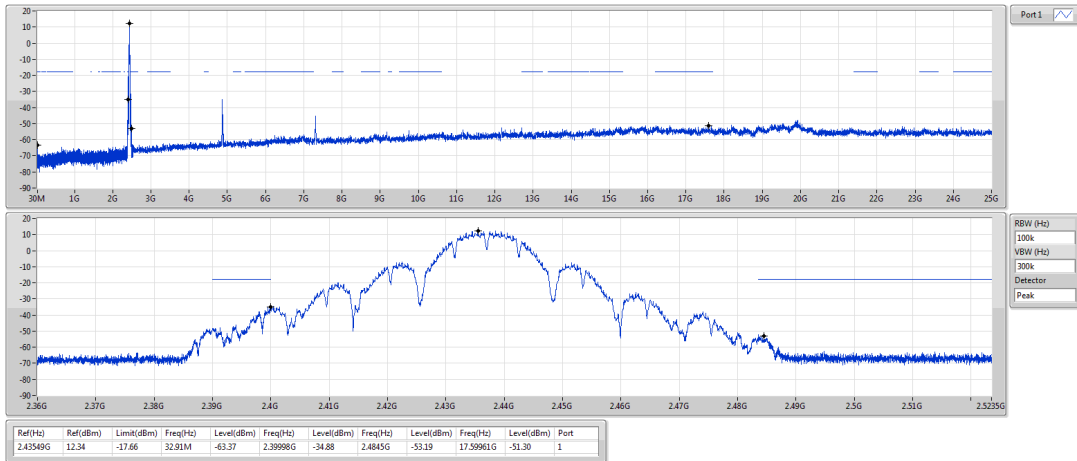
802.11b_Nss1,(1Mbps)_1TX
2412MHz

CSE NdB



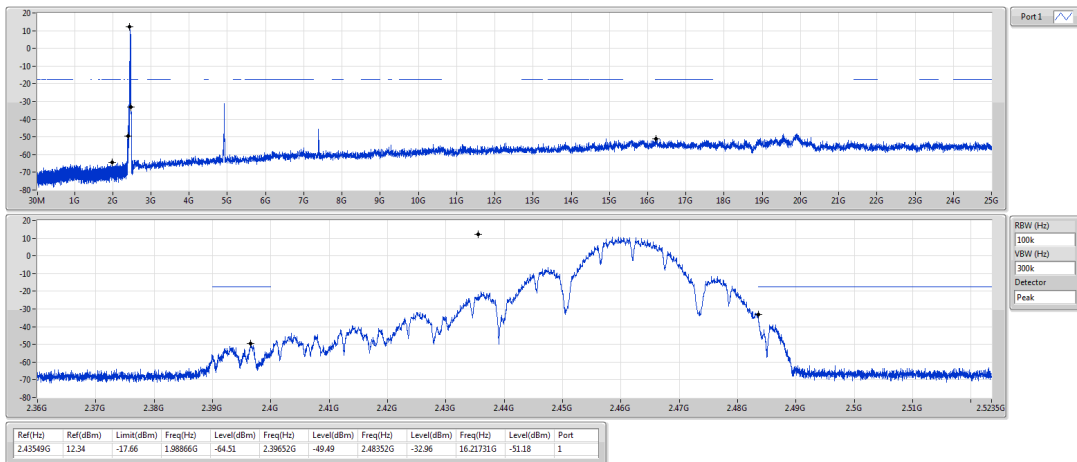
802.11b_Nss1,(1Mbps)_1TX
2437MHz

CSE NdB



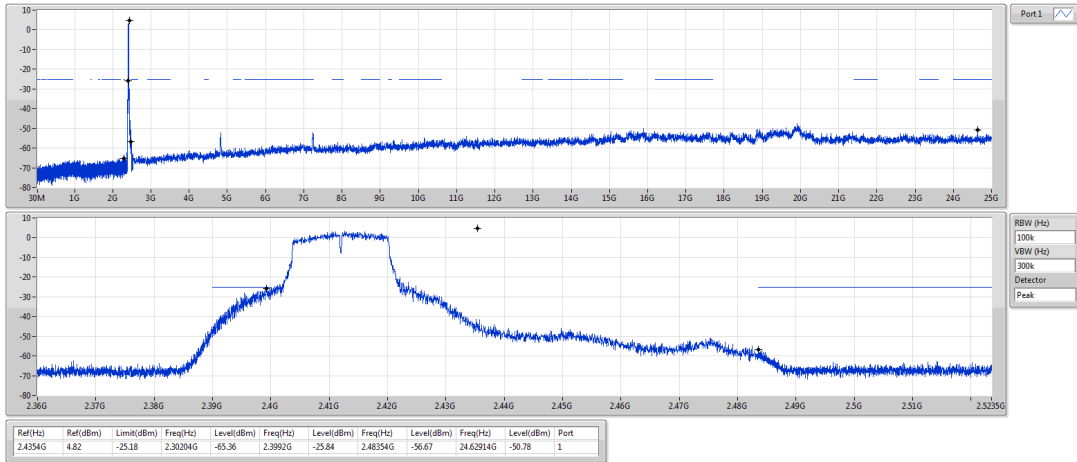
802.11b_Nss1,(1Mbps)_1TX
2462MHz

CSE NdB



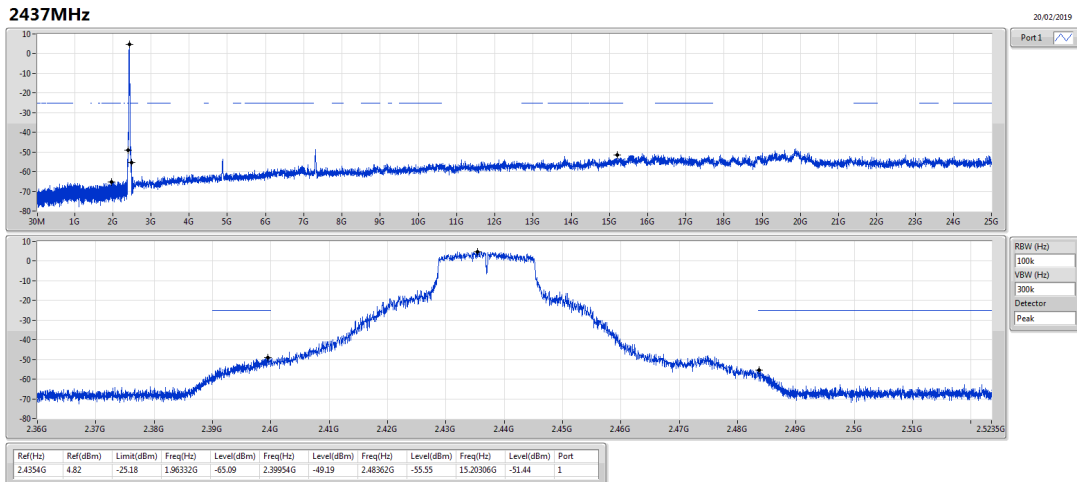
802.11g_Nss1,(6Mbps)_1TX
2412MHz

CSE NdB



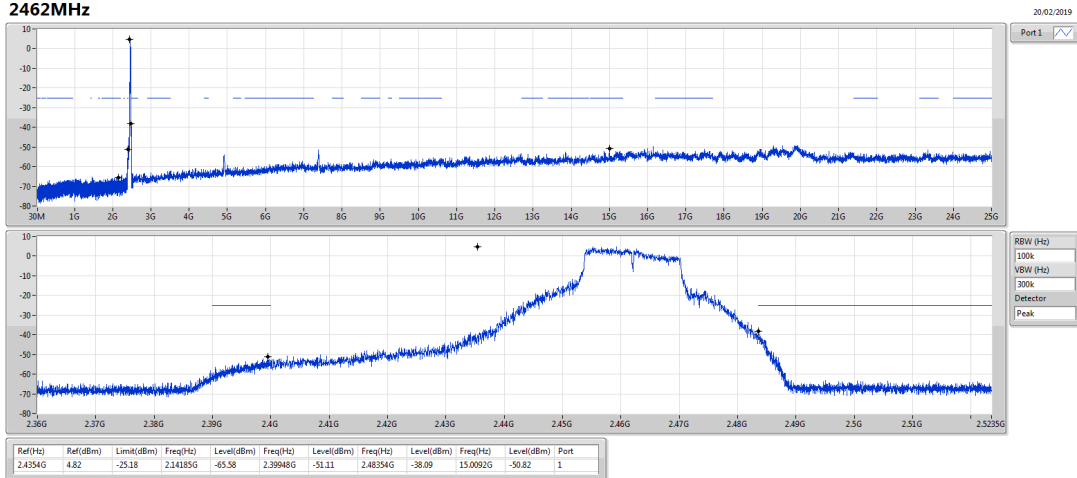
802.11g_Nss1,(6Mbps)_1TX
2437MHz

CSE NdB



802.11g_Nss1,(6Mbps)_1TX
2462MHz

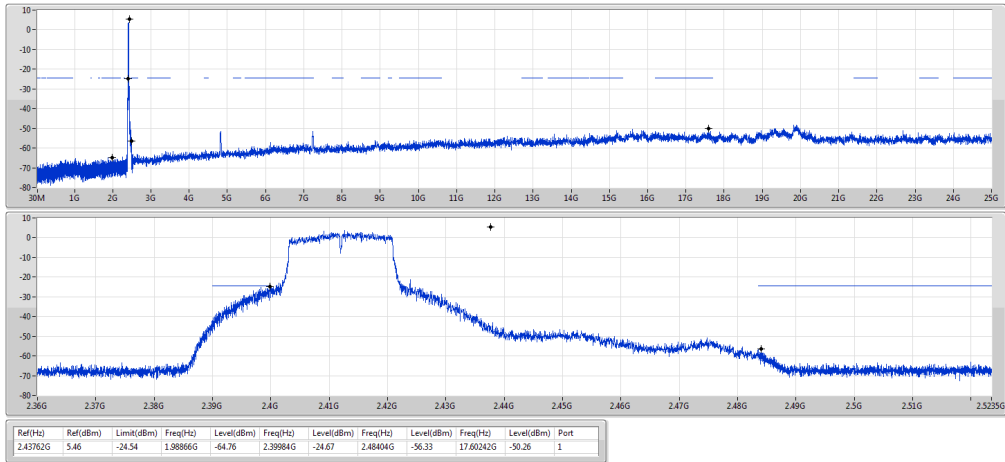
CSE NdB



802.11n HT20_Nss1,(MCS0)_1TX
2412MHz

CSE NdB

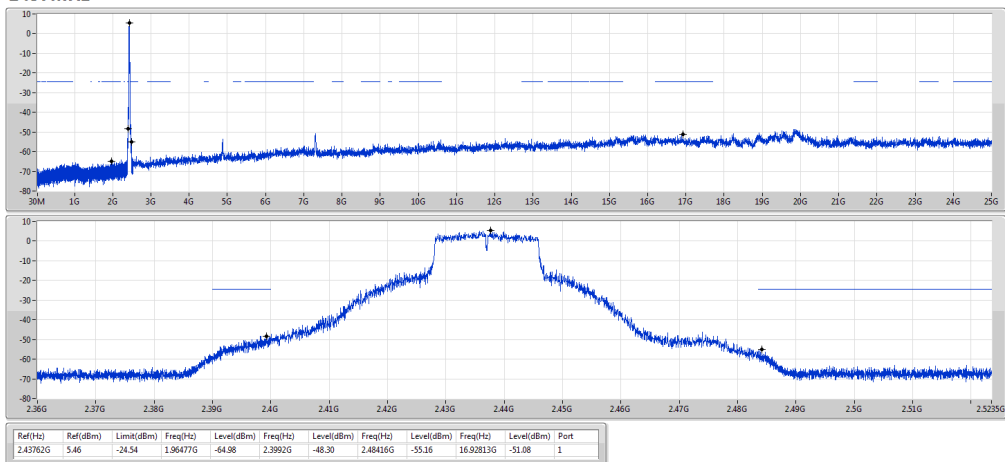
20.02.2019



802.11n HT20_Nss1,(MCS0)_1TX
2437MHz

CSE NdB

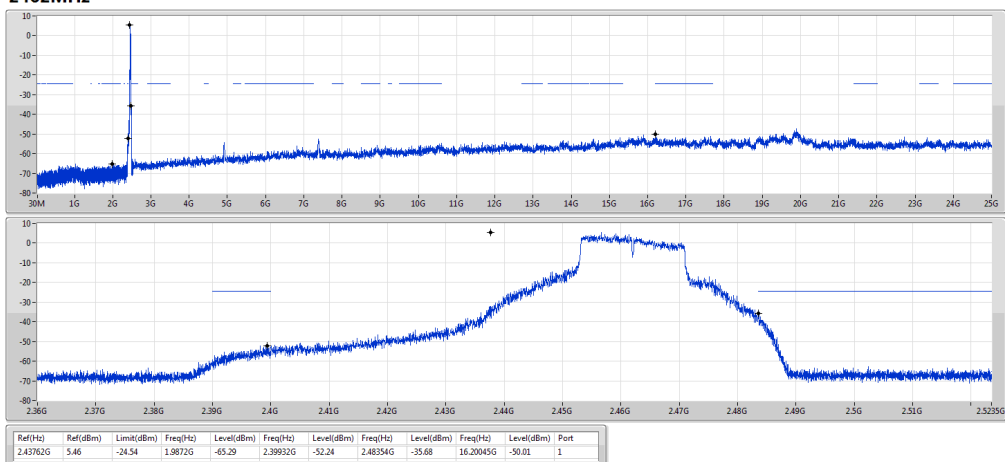
20.02.2019



802.11n HT20_Nss1,(MCS0)_1TX
2462MHz

CSE NdB

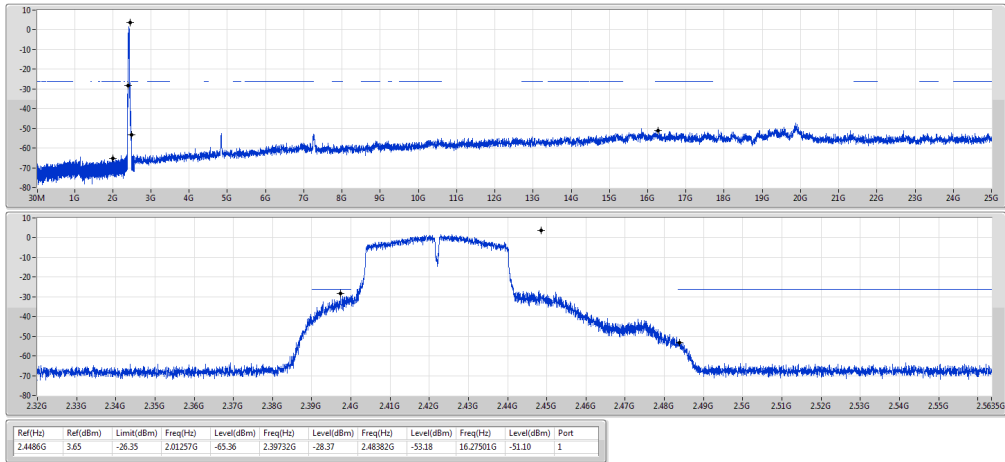
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802.11n HT40_Nss1,(MCS0)_1TX
2422MHz

CSE NdB

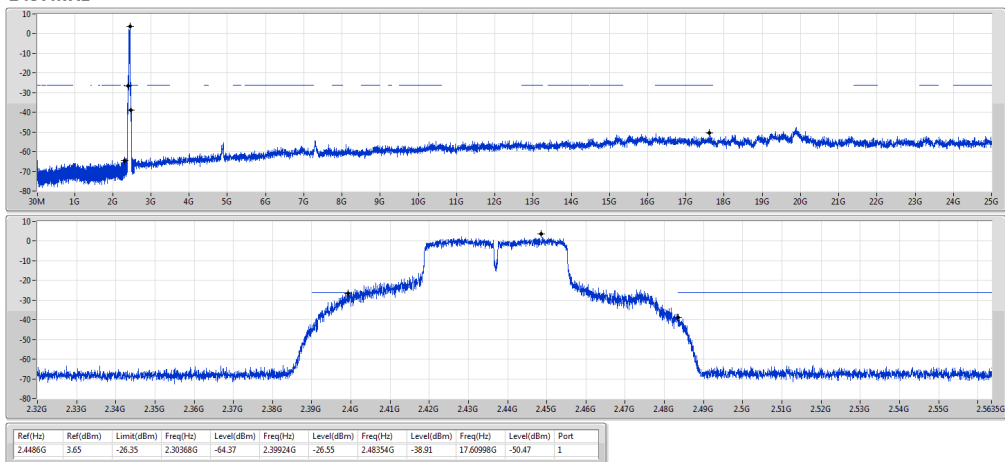
20/02/2019



802.11n HT40_Nss1,(MCS0)_1TX
2437MHz

CSE NdB

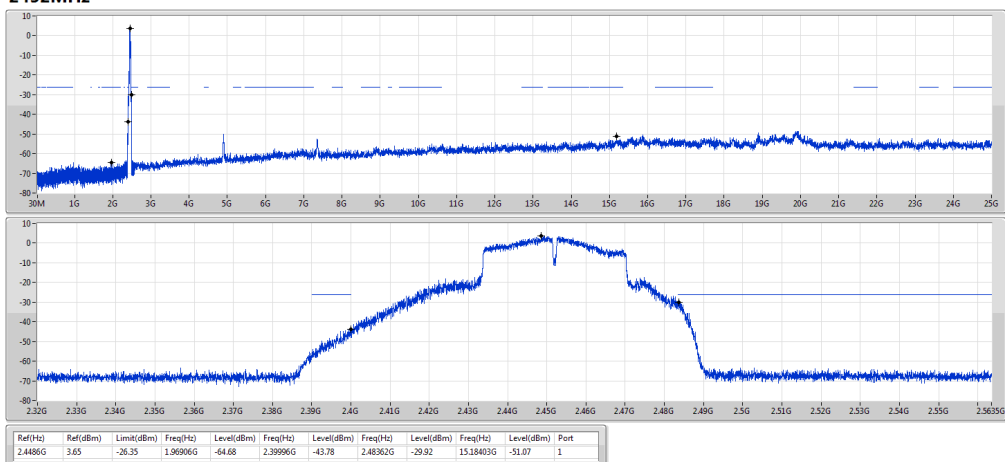
20/02/2019



802.11n HT40_Nss1,(MCS0)_1TX
2452MHz

CSE NdB

20/02/2019



**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11n HT40_Nss1,(MCS0)_1TX	Pass	PK	53.28M	30.97	40.00	-9.03	-14.69	3	Vertical	0	1.00	-

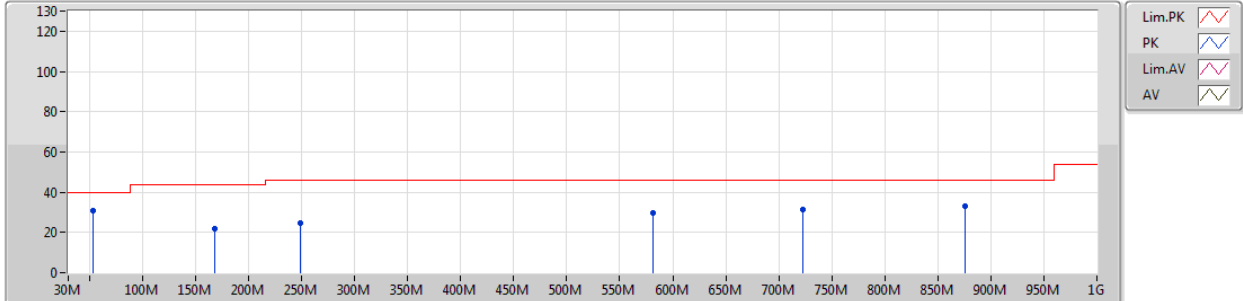
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	53.28M	30.97	40.00	-9.03	-14.69	3	Vertical	0	1.00	-
2437MHz	Pass	PK	167.74M	22.10	43.50	-21.40	-10.72	3	Vertical	0	1.00	-
2437MHz	Pass	PK	249.22M	24.57	46.00	-21.43	-7.05	3	Vertical	0	1.00	-
2437MHz	Pass	PK	580.96M	29.63	46.00	-16.37	-1.42	3	Vertical	0	1.00	-
2437MHz	Pass	PK	722.58M	31.35	46.00	-14.65	0.29	3	Vertical	0	1.00	-
2437MHz	Pass	PK	875.84M	33.00	46.00	-13.00	2.15	3	Vertical	0	1.00	-
2437MHz	Pass	PK	165.8M	28.31	43.50	-15.19	-10.68	3	Horizontal	360	2.00	-
2437MHz	Pass	PK	247.28M	30.46	46.00	-15.54	-7.29	3	Horizontal	360	2.00	-
2437MHz	Pass	PK	282.2M	29.09	46.00	-16.91	-6.27	3	Horizontal	360	2.00	-
2437MHz	Pass	PK	555.74M	29.95	46.00	-16.05	-0.99	3	Horizontal	360	2.00	-
2437MHz	Pass	PK	757.5M	32.80	46.00	-13.20	1.00	3	Horizontal	360	2.00	-
2437MHz	Pass	PK	811.82M	33.00	46.00	-13.00	1.34	3	Horizontal	360	2.00	-

802.11n HT40_Nss1,(MCS0)_1TX

20/02/2019

2437MHz_Adapter

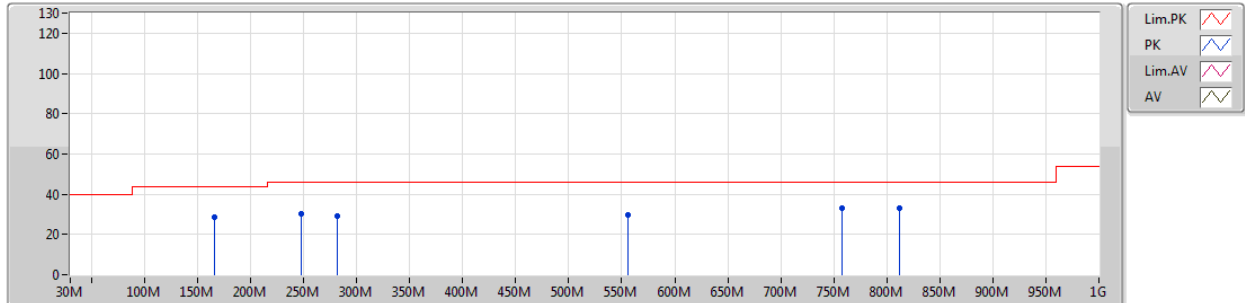


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	53.28M	30.97	40.00	-9.03	-14.69	3	Vertical	0	1.00	-
PK	167.74M	22.10	43.50	-21.40	-10.72	3	Vertical	0	1.00	-
PK	249.22M	24.57	46.00	-21.43	-7.05	3	Vertical	0	1.00	-
PK	580.96M	29.63	46.00	-16.37	-1.42	3	Vertical	0	1.00	-
PK	722.58M	31.35	46.00	-14.65	0.29	3	Vertical	0	1.00	-
PK	875.84M	33.00	46.00	-13.00	2.15	3	Vertical	0	1.00	-

802.11n HT40_Nss1,(MCS0)_1TX

20/02/2019

2437MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	165.8M	28.31	43.50	-15.19	-10.68	3	Horizontal	360	2.00	-
PK	247.28M	30.46	46.00	-15.54	-7.29	3	Horizontal	360	2.00	-
PK	282.2M	29.09	46.00	-16.91	-6.27	3	Horizontal	360	2.00	-
PK	555.74M	29.95	46.00	-16.05	-0.99	3	Horizontal	360	2.00	-
PK	757.5M	32.80	46.00	-13.20	1.00	3	Horizontal	360	2.00	-
PK	811.82M	33.00	46.00	-13.00	1.34	3	Horizontal	360	2.00	-

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	AV	2.4835G	53.20	54.00	-0.80	32.29	3	Vertical	25	1.00	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.4835G	49.54	54.00	-4.46	32.29	3	Vertical	10	2.99	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	2.4835G	51.56	54.00	-2.44	32.29	3	Vertical	25	2.93	-
802.11n HT40_Nss1,(MCS0)_1TX	Pass	AV	2.4835G	53.93	54.00	-0.07	32.29	3	Vertical	34	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3898G	47.31	54.00	-6.69	32.01	3	Vertical	31	1.50	-
2412MHz	Pass	AV	2.4102G	93.11	Inf	-Inf	32.07	3	Vertical	31	1.50	-
2412MHz	Pass	PK	2.3832G	59.41	74.00	-14.59	31.98	3	Vertical	31	1.50	-
2412MHz	Pass	PK	2.4092G	95.34	Inf	-Inf	32.07	3	Vertical	31	1.50	-
2412MHz	Pass	AV	2.39G	47.59	54.00	-6.41	32.01	3	Horizontal	32	1.02	-
2412MHz	Pass	AV	2.4102G	97.15	Inf	-Inf	32.07	3	Horizontal	32	1.02	-
2412MHz	Pass	PK	2.381G	59.26	74.00	-14.74	31.97	3	Horizontal	32	1.02	-
2412MHz	Pass	PK	2.4092G	99.29	Inf	-Inf	32.07	3	Horizontal	32	1.02	-
2412MHz	Pass	AV	4.82399G	38.40	54.00	-15.60	3.49	3	Vertical	69	1.01	-
2412MHz	Pass	PK	4.82407G	47.12	74.00	-26.88	3.49	3	Vertical	69	1.01	-
2412MHz	Pass	AV	4.82406G	36.76	54.00	-17.24	3.49	3	Horizontal	31	1.50	-
2412MHz	Pass	PK	4.82406G	46.30	74.00	-27.70	3.49	3	Horizontal	31	1.50	-
2437MHz	Pass	AV	2.3378G	44.43	54.00	-9.57	31.83	3	Vertical	20	2.99	-
2437MHz	Pass	AV	2.4354G	95.59	Inf	-Inf	32.14	3	Vertical	20	2.99	-
2437MHz	Pass	AV	2.4838G	44.71	54.00	-9.29	32.29	3	Vertical	20	2.99	-
2437MHz	Pass	PK	2.3438G	56.29	74.00	-17.71	31.85	3	Vertical	20	2.99	-
2437MHz	Pass	PK	2.4362G	99.27	Inf	-Inf	32.15	3	Vertical	20	2.99	-
2437MHz	Pass	PK	2.4934G	55.77	74.00	-18.23	32.32	3	Vertical	20	2.99	-
2437MHz	Pass	AV	2.341G	44.46	54.00	-9.54	31.84	3	Horizontal	258	1.50	-
2437MHz	Pass	AV	2.4354G	91.52	Inf	-Inf	32.14	3	Horizontal	258	1.50	-
2437MHz	Pass	AV	2.4846G	44.55	54.00	-9.45	32.29	3	Horizontal	258	1.50	-
2437MHz	Pass	PK	2.3418G	56.00	74.00	-18.00	31.84	3	Horizontal	258	1.50	-
2437MHz	Pass	PK	2.4362G	95.09	Inf	-Inf	32.15	3	Horizontal	258	1.50	-
2437MHz	Pass	PK	2.4914G	56.59	74.00	-17.41	32.31	3	Horizontal	258	1.50	-
2437MHz	Pass	AV	4.87406G	40.68	54.00	-13.32	3.61	3	Vertical	15	2.99	-
2437MHz	Pass	AV	7.30956G	38.68	54.00	-15.32	9.19	3	Vertical	44	1.49	-
2437MHz	Pass	PK	4.874G	48.08	74.00	-25.92	3.61	3	Vertical	15	2.99	-
2437MHz	Pass	PK	7.3092G	52.15	74.00	-21.85	9.19	3	Vertical	44	1.49	-
2437MHz	Pass	AV	4.87396G	39.58	54.00	-14.42	3.61	3	Horizontal	212	2.89	-
2437MHz	Pass	AV	7.31016G	38.53	54.00	-15.47	9.19	3	Horizontal	57	1.47	-
2437MHz	Pass	PK	4.874G	48.15	74.00	-25.85	3.61	3	Horizontal	212	2.89	-
2437MHz	Pass	PK	7.31376G	51.68	74.00	-22.32	9.20	3	Horizontal	57	1.47	-
2457MHz	Pass	AV	2.4588G	96.33	Inf	-Inf	32.22	3	Vertical	25	1.00	-
2457MHz	Pass	AV	2.4835G	53.20	54.00	-0.80	32.29	3	Vertical	25	1.00	-
2457MHz	Pass	PK	2.4596G	99.95	Inf	-Inf	32.22	3	Vertical	25	1.00	-
2457MHz	Pass	PK	2.4835G	59.54	74.00	-14.46	32.29	3	Vertical	25	1.00	-
2457MHz	Pass	AV	2.4588G	94.10	Inf	-Inf	32.22	3	Horizontal	29	1.01	-
2457MHz	Pass	AV	2.4835G	50.10	54.00	-3.90	32.29	3	Horizontal	29	1.01	-
2457MHz	Pass	PK	2.458G	97.63	Inf	-Inf	32.21	3	Horizontal	29	1.01	-
2457MHz	Pass	PK	2.4836G	58.89	74.00	-15.11	32.29	3	Horizontal	29	1.01	-
2462MHz	Pass	AV	2.4638G	96.28	Inf	-Inf	32.23	3	Vertical	29	2.93	-
2462MHz	Pass	AV	2.4835G	53.17	54.00	-0.83	32.29	3	Vertical	29	2.93	-
2462MHz	Pass	PK	2.4636G	99.83	Inf	-Inf	32.23	3	Vertical	29	2.93	-
2462MHz	Pass	PK	2.4835G	60.61	74.00	-13.39	32.29	3	Vertical	29	2.93	-
2462MHz	Pass	AV	2.4638G	92.72	Inf	-Inf	32.23	3	Horizontal	14	1.50	-
2462MHz	Pass	AV	2.4835G	50.50	54.00	-3.50	32.29	3	Horizontal	14	1.50	-
2462MHz	Pass	PK	2.463G	96.18	Inf	-Inf	32.23	3	Horizontal	14	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	2.487G	59.33	74.00	-14.67	32.30	3	Horizontal	14	1.50	-
2462MHz	Pass	AV	4.924G	39.38	54.00	-14.62	3.74	3	Vertical	40	2.99	-
2462MHz	Pass	AV	7.38768G	38.33	54.00	-15.67	9.30	3	Vertical	38	1.50	-
2462MHz	Pass	PK	4.92394G	48.37	74.00	-25.63	3.74	3	Vertical	40	2.99	-
2462MHz	Pass	PK	7.38426G	51.99	74.00	-22.01	9.29	3	Vertical	38	1.50	-
2462MHz	Pass	AV	4.924G	38.12	54.00	-15.88	3.74	3	Horizontal	116	1.50	-
2462MHz	Pass	AV	7.3875G	37.78	54.00	-16.22	9.30	3	Horizontal	344	1.50	-
2462MHz	Pass	PK	4.92368G	47.97	74.00	-26.03	3.74	3	Horizontal	116	1.50	-
2462MHz	Pass	PK	7.37898G	51.64	74.00	-22.36	9.29	3	Horizontal	344	1.50	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3716G	44.45	54.00	-9.55	31.94	3	Vertical	29	1.03	-
2412MHz	Pass	AV	2.411G	85.62	Inf	-Inf	32.08	3	Vertical	29	1.03	-
2412MHz	Pass	PK	2.3852G	56.32	74.00	-17.68	31.99	3	Vertical	29	1.03	-
2412MHz	Pass	PK	2.4088G	94.85	Inf	-Inf	32.07	3	Vertical	29	1.03	-
2412MHz	Pass	AV	2.39G	44.49	54.00	-9.51	32.01	3	Horizontal	29	1.01	-
2412MHz	Pass	AV	2.411G	87.15	Inf	-Inf	32.08	3	Horizontal	29	1.01	-
2412MHz	Pass	PK	2.3714G	56.48	74.00	-17.52	31.94	3	Horizontal	29	1.01	-
2412MHz	Pass	PK	2.4088G	96.32	Inf	-Inf	32.07	3	Horizontal	29	1.01	-
2412MHz	Pass	AV	4.81638G	31.53	54.00	-22.47	3.47	3	Vertical	188	2.04	-
2412MHz	Pass	PK	4.82004G	44.91	74.00	-29.09	3.49	3	Vertical	188	2.04	-
2412MHz	Pass	AV	4.81122G	31.50	54.00	-22.50	3.45	3	Horizontal	284	2.17	-
2412MHz	Pass	PK	4.81962G	45.33	74.00	-28.67	3.49	3	Horizontal	284	2.17	-
2437MHz	Pass	AV	2.3486G	44.51	54.00	-9.49	31.87	3	Vertical	24	2.99	-
2437MHz	Pass	AV	2.4362G	90.09	Inf	-Inf	32.15	3	Vertical	24	2.99	-
2437MHz	Pass	AV	2.4966G	44.61	54.00	-9.39	32.33	3	Vertical	24	2.99	-
2437MHz	Pass	PK	2.3898G	56.93	74.00	-17.07	32.01	3	Vertical	24	2.99	-
2437MHz	Pass	PK	2.4362G	99.33	Inf	-Inf	32.15	3	Vertical	24	2.99	-
2437MHz	Pass	PK	2.4962G	56.15	74.00	-17.85	32.33	3	Vertical	24	2.99	-
2437MHz	Pass	AV	2.3526G	44.41	54.00	-9.59	31.88	3	Horizontal	258	1.50	-
2437MHz	Pass	AV	2.4362G	86.40	Inf	-Inf	32.15	3	Horizontal	258	1.50	-
2437MHz	Pass	AV	2.4878G	44.56	54.00	-9.44	32.30	3	Horizontal	258	1.50	-
2437MHz	Pass	PK	2.3758G	56.39	74.00	-17.61	31.96	3	Horizontal	258	1.50	-
2437MHz	Pass	PK	2.4362G	95.64	Inf	-Inf	32.15	3	Horizontal	258	1.50	-
2437MHz	Pass	PK	2.489G	55.88	74.00	-18.12	32.30	3	Horizontal	258	1.50	-
2437MHz	Pass	AV	4.88396G	31.59	54.00	-22.41	3.64	3	Vertical	293	1.22	-
2437MHz	Pass	PK	4.8857G	45.73	74.00	-28.27	3.64	3	Vertical	293	1.22	-
2437MHz	Pass	AV	4.87466G	31.53	54.00	-22.47	3.61	3	Horizontal	169	1.85	-
2437MHz	Pass	PK	4.88228G	46.13	74.00	-27.87	3.63	3	Horizontal	169	1.85	-
2462MHz	Pass	AV	2.4648G	91.43	Inf	-Inf	32.24	3	Vertical	10	2.99	-
2462MHz	Pass	AV	2.4835G	49.54	54.00	-4.46	32.29	3	Vertical	10	2.99	-
2462MHz	Pass	PK	2.4644G	100.87	Inf	-Inf	32.23	3	Vertical	10	2.99	-
2462MHz	Pass	PK	2.4835G	63.11	74.00	-10.89	32.29	3	Vertical	10	2.99	-
2462MHz	Pass	AV	2.4632G	86.01	Inf	-Inf	32.23	3	Horizontal	254	1.90	-
2462MHz	Pass	AV	2.4835G	46.36	54.00	-7.64	32.29	3	Horizontal	254	1.90	-
2462MHz	Pass	PK	2.4648G	95.15	Inf	-Inf	32.24	3	Horizontal	254	1.90	-
2462MHz	Pass	PK	2.4835G	59.00	74.00	-15.00	32.29	3	Horizontal	254	1.90	-
2462MHz	Pass	AV	4.93672G	32.43	54.00	-21.57	3.77	3	Vertical	252	1.14	-
2462MHz	Pass	PK	4.92064G	46.74	74.00	-27.26	3.74	3	Vertical	252	1.14	-
2462MHz	Pass	AV	4.9375G	32.42	54.00	-21.58	3.77	3	Horizontal	89	1.68	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	4.93456G	45.76	74.00	-28.24	3.76	3	Horizontal	89	1.68	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	44.75	54.00	-9.25	32.01	3	Vertical	30	1.04	-
2412MHz	Pass	AV	2.4088G	85.33	Inf	-Inf	32.07	3	Vertical	30	1.04	-
2412MHz	Pass	PK	2.39G	57.02	74.00	-16.98	32.01	3	Vertical	30	1.04	-
2412MHz	Pass	PK	2.411G	94.90	Inf	-Inf	32.08	3	Vertical	30	1.04	-
2412MHz	Pass	AV	2.39G	44.77	54.00	-9.23	32.01	3	Horizontal	27	1.01	-
2412MHz	Pass	AV	2.4088G	86.54	Inf	-Inf	32.07	3	Horizontal	27	1.01	-
2412MHz	Pass	PK	2.3898G	57.23	74.00	-16.77	32.01	3	Horizontal	27	1.01	-
2412MHz	Pass	PK	2.4108G	96.10	Inf	-Inf	32.08	3	Horizontal	27	1.01	-
2412MHz	Pass	AV	4.80912G	31.43	54.00	-22.57	3.45	3	Vertical	33	2.10	-
2412MHz	Pass	PK	4.8267G	45.94	74.00	-28.06	3.50	3	Vertical	33	2.10	-
2412MHz	Pass	AV	4.8384G	31.45	54.00	-22.55	3.53	3	Horizontal	359	1.04	-
2412MHz	Pass	PK	4.8306G	45.22	74.00	-28.78	3.51	3	Horizontal	359	1.04	-
2437MHz	Pass	AV	2.3386G	44.49	54.00	-9.51	31.83	3	Vertical	17	2.99	-
2437MHz	Pass	AV	2.4374G	90.26	Inf	-Inf	32.15	3	Vertical	17	2.99	-
2437MHz	Pass	AV	2.4838G	44.68	54.00	-9.32	32.29	3	Vertical	17	2.99	-
2437MHz	Pass	PK	2.363G	56.71	74.00	-17.29	31.91	3	Vertical	17	2.99	-
2437MHz	Pass	PK	2.4362G	100.33	Inf	-Inf	32.15	3	Vertical	17	2.99	-
2437MHz	Pass	PK	2.4898G	56.53	74.00	-17.47	32.31	3	Vertical	17	2.99	-
2437MHz	Pass	AV	2.351G	44.48	54.00	-9.52	31.87	3	Horizontal	259	1.50	-
2437MHz	Pass	AV	2.4374G	84.79	Inf	-Inf	32.15	3	Horizontal	259	1.50	-
2437MHz	Pass	AV	2.4922G	44.57	54.00	-9.43	32.32	3	Horizontal	259	1.50	-
2437MHz	Pass	PK	2.3374G	55.75	74.00	-18.25	31.83	3	Horizontal	259	1.50	-
2437MHz	Pass	PK	2.4362G	94.56	Inf	-Inf	32.15	3	Horizontal	259	1.50	-
2437MHz	Pass	PK	2.4962G	56.37	74.00	-17.63	32.33	3	Horizontal	259	1.50	-
2437MHz	Pass	AV	4.86386G	31.89	54.00	-22.11	3.59	3	Vertical	237	1.26	-
2437MHz	Pass	PK	4.87736G	45.41	74.00	-28.59	3.62	3	Vertical	237	1.26	-
2437MHz	Pass	AV	4.8779G	31.95	54.00	-22.05	3.62	3	Horizontal	319	2.21	-
2437MHz	Pass	PK	4.87028G	45.82	74.00	-28.18	3.61	3	Horizontal	319	2.21	-
2462MHz	Pass	AV	2.4648G	90.38	Inf	-Inf	32.24	3	Vertical	25	2.93	-
2462MHz	Pass	AV	2.4835G	51.56	54.00	-2.44	32.29	3	Vertical	25	2.93	-
2462MHz	Pass	PK	2.4644G	99.76	Inf	-Inf	32.23	3	Vertical	25	2.93	-
2462MHz	Pass	PK	2.4835G	68.25	74.00	-5.75	32.29	3	Vertical	25	2.93	-
2462MHz	Pass	AV	2.465G	85.59	Inf	-Inf	32.24	3	Horizontal	257	2.10	-
2462MHz	Pass	AV	2.4835G	47.52	54.00	-6.48	32.29	3	Horizontal	257	2.10	-
2462MHz	Pass	PK	2.4644G	94.92	Inf	-Inf	32.23	3	Horizontal	257	2.10	-
2462MHz	Pass	PK	2.4835G	61.51	74.00	-12.49	32.29	3	Horizontal	257	2.10	-
2462MHz	Pass	AV	4.93342G	32.42	54.00	-21.58	3.76	3	Vertical	294	1.01	-
2462MHz	Pass	PK	4.92856G	46.10	74.00	-27.90	3.75	3	Vertical	294	1.01	-
2462MHz	Pass	AV	4.9375G	32.32	54.00	-21.68	3.77	3	Horizontal	307	1.37	-
2462MHz	Pass	PK	4.91776G	46.09	74.00	-27.91	3.73	3	Horizontal	307	1.37	-
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	48.20	54.00	-5.80	32.01	3	Vertical	18	2.99	-
2422MHz	Pass	AV	2.4352G	86.21	Inf	-Inf	32.14	3	Vertical	18	2.99	-
2422MHz	Pass	AV	2.484G	44.88	54.00	-9.12	32.29	3	Vertical	18	2.99	-
2422MHz	Pass	PK	2.39G	59.19	74.00	-14.81	32.01	3	Vertical	18	2.99	-
2422MHz	Pass	PK	2.4324G	96.04	Inf	-Inf	32.14	3	Vertical	18	2.99	-
2422MHz	Pass	PK	2.4835G	56.30	74.00	-17.70	32.29	3	Vertical	18	2.99	-

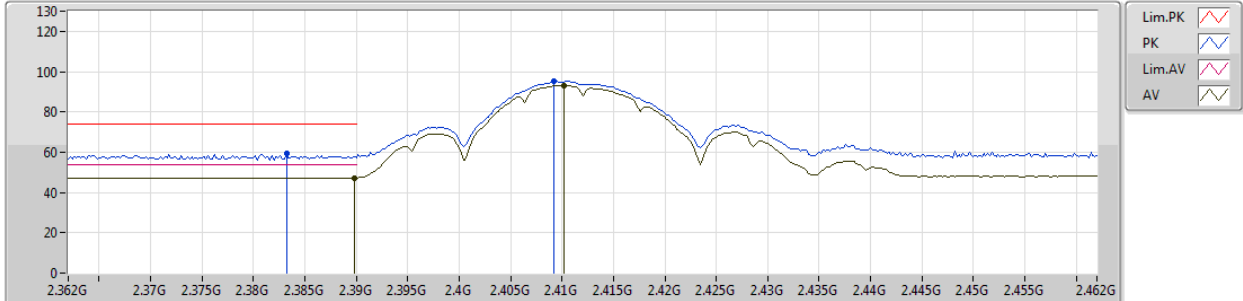
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2422MHz	Pass	AV	2.39G	46.53	54.00	-7.47	32.01	3	Horizontal	243	1.50	-
2422MHz	Pass	AV	2.4352G	81.22	Inf	-Inf	32.14	3	Horizontal	243	1.50	-
2422MHz	Pass	AV	2.484G	44.77	54.00	-9.23	32.29	3	Horizontal	243	1.50	-
2422MHz	Pass	PK	2.39G	57.21	74.00	-16.79	32.01	3	Horizontal	243	1.50	-
2422MHz	Pass	PK	2.436G	90.87	Inf	-Inf	32.15	3	Horizontal	243	1.50	-
2422MHz	Pass	PK	2.4992G	56.28	74.00	-17.72	32.34	3	Horizontal	243	1.50	-
2422MHz	Pass	AV	4.8518G	31.84	54.00	-22.16	3.56	3	Vertical	179	1.23	-
2422MHz	Pass	PK	4.85498G	45.37	74.00	-28.63	3.57	3	Vertical	179	1.23	-
2422MHz	Pass	AV	4.85852G	31.75	54.00	-22.25	3.58	3	Horizontal	355	1.52	-
2422MHz	Pass	PK	4.85228G	45.37	74.00	-28.63	3.56	3	Horizontal	355	1.52	-
2437MHz	Pass	AV	2.3374G	44.47	54.00	-9.53	31.83	3	Vertical	15	2.99	-
2437MHz	Pass	AV	2.4386G	87.14	Inf	-Inf	32.15	3	Vertical	15	2.99	-
2437MHz	Pass	AV	2.4835G	46.25	54.00	-7.75	32.29	3	Vertical	15	2.99	-
2437MHz	Pass	PK	2.3398G	56.21	74.00	-17.79	31.84	3	Vertical	15	2.99	-
2437MHz	Pass	PK	2.439G	96.65	Inf	-Inf	32.15	3	Vertical	15	2.99	-
2437MHz	Pass	PK	2.4835G	58.96	74.00	-15.04	32.29	3	Vertical	15	2.99	-
2437MHz	Pass	AV	2.339G	44.44	54.00	-9.56	31.83	3	Horizontal	34	1.00	-
2437MHz	Pass	AV	2.4386G	85.18	Inf	-Inf	32.15	3	Horizontal	34	1.00	-
2437MHz	Pass	AV	2.4835G	45.46	54.00	-8.54	32.29	3	Horizontal	34	1.00	-
2437MHz	Pass	PK	2.389G	56.55	74.00	-17.45	32.00	3	Horizontal	34	1.00	-
2437MHz	Pass	PK	2.439G	94.25	Inf	-Inf	32.15	3	Horizontal	34	1.00	-
2437MHz	Pass	PK	2.4838G	56.67	74.00	-17.33	32.29	3	Horizontal	34	1.00	-
2437MHz	Pass	AV	4.8803G	32.11	54.00	-21.89	3.62	3	Vertical	324	1.97	-
2437MHz	Pass	PK	4.86284G	45.48	74.00	-28.52	3.59	3	Vertical	324	1.97	-
2437MHz	Pass	AV	4.88828G	32.01	54.00	-21.99	3.66	3	Horizontal	264	1.87	-
2437MHz	Pass	PK	4.8737G	45.56	74.00	-28.44	3.61	3	Horizontal	264	1.87	-
2447MHz	Pass	AV	2.3482G	44.45	54.00	-9.55	31.87	3	Vertical	28	1.00	-
2447MHz	Pass	AV	2.4374G	86.27	Inf	-Inf	32.15	3	Vertical	28	1.00	-
2447MHz	Pass	AV	2.4835G	51.58	54.00	-2.42	32.29	3	Vertical	28	1.00	-
2447MHz	Pass	PK	2.3754G	56.41	74.00	-17.59	31.96	3	Vertical	28	1.00	-
2447MHz	Pass	PK	2.4394G	95.85	Inf	-Inf	32.15	3	Vertical	28	1.00	-
2447MHz	Pass	PK	2.4838G	64.36	74.00	-9.64	32.29	3	Vertical	28	1.00	-
2447MHz	Pass	AV	2.355G	44.41	54.00	-9.59	31.88	3	Horizontal	35	1.00	-
2447MHz	Pass	AV	2.4374G	85.32	Inf	-Inf	32.15	3	Horizontal	35	1.00	-
2447MHz	Pass	AV	2.4835G	50.63	54.00	-3.37	32.29	3	Horizontal	35	1.00	-
2447MHz	Pass	PK	2.3502G	56.05	74.00	-17.95	31.87	3	Horizontal	35	1.00	-
2447MHz	Pass	PK	2.4394G	94.96	Inf	-Inf	32.15	3	Horizontal	35	1.00	-
2447MHz	Pass	PK	2.4835G	64.15	74.00	-9.85	32.29	3	Horizontal	35	1.00	-
2452MHz	Pass	AV	2.3784G	44.42	54.00	-9.58	31.97	3	Vertical	34	1.00	-
2452MHz	Pass	AV	2.4384G	84.23	Inf	-Inf	32.15	3	Vertical	34	1.00	-
2452MHz	Pass	AV	2.4835G	53.93	54.00	-0.07	32.29	3	Vertical	34	1.00	-
2452MHz	Pass	PK	2.3532G	56.08	74.00	-17.92	31.88	3	Vertical	34	1.00	-
2452MHz	Pass	PK	2.4376G	93.80	Inf	-Inf	32.15	3	Vertical	34	1.00	-
2452MHz	Pass	PK	2.4835G	66.05	74.00	-7.95	32.29	3	Vertical	34	1.00	-
2452MHz	Pass	AV	2.3768G	44.43	54.00	-9.57	31.96	3	Horizontal	35	1.18	-
2452MHz	Pass	AV	2.4388G	83.55	Inf	-Inf	32.15	3	Horizontal	35	1.18	-
2452MHz	Pass	AV	2.4835G	53.12	54.00	-0.88	32.29	3	Horizontal	35	1.18	-
2452MHz	Pass	PK	2.364G	56.32	74.00	-17.68	31.91	3	Horizontal	35	1.18	-
2452MHz	Pass	PK	2.4392G	92.97	Inf	-Inf	32.15	3	Horizontal	35	1.18	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2452MHz	Pass	PK	2.4835G	65.30	74.00	-8.70	32.29	3	Horizontal	35	1.18	-
2452MHz	Pass	AV	4.91546G	32.30	54.00	-21.70	3.72	3	Vertical	125	2.49	-
2452MHz	Pass	PK	4.91198G	46.39	74.00	-27.61	3.70	3	Vertical	125	2.49	-
2452MHz	Pass	AV	4.91744G	32.24	54.00	-21.76	3.73	3	Horizontal	313	2.47	-
2452MHz	Pass	PK	4.9016G	45.75	74.00	-28.25	3.68	3	Horizontal	313	2.47	-

802.11b_Nss1,(1Mbps)_1TX

20/02/2019

2412MHz_TX

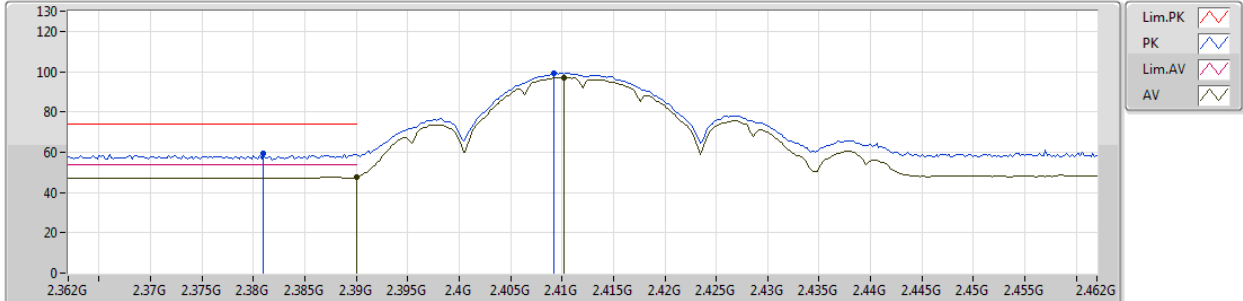


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	47.31	54.00	-6.69	32.01	3	Vertical	31	1.50	-
AV	2.4102G	93.11	Inf	-Inf	32.07	3	Vertical	31	1.50	-
PK	2.3832G	59.41	74.00	-14.59	31.98	3	Vertical	31	1.50	-
PK	2.4092G	95.34	Inf	-Inf	32.07	3	Vertical	31	1.50	-

802.11b_Nss1,(1Mbps)_1TX

20/02/2019

2412MHz_TX

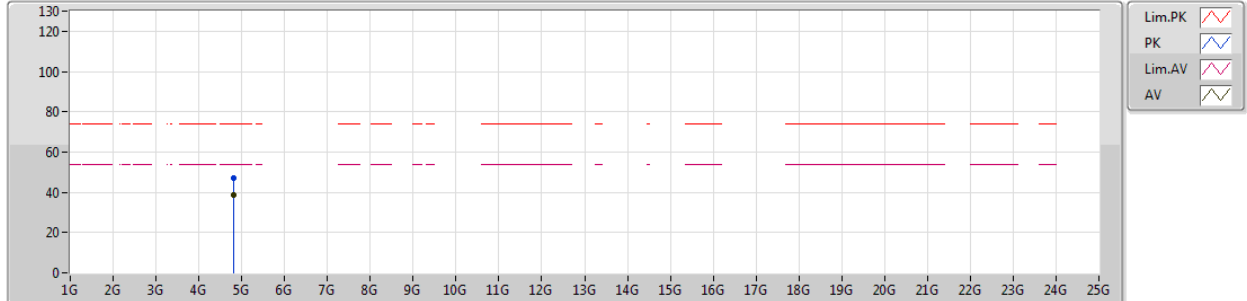


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	47.59	54.00	-6.41	32.01	3	Horizontal	32	1.02	-
AV	2.4102G	97.15	Inf	-Inf	32.07	3	Horizontal	32	1.02	-
PK	2.381G	59.26	74.00	-14.74	31.97	3	Horizontal	32	1.02	-
PK	2.4092G	99.29	Inf	-Inf	32.07	3	Horizontal	32	1.02	-

802.11b_Nss1,(1Mbps)_1TX

20/02/2019

2412MHz_TX

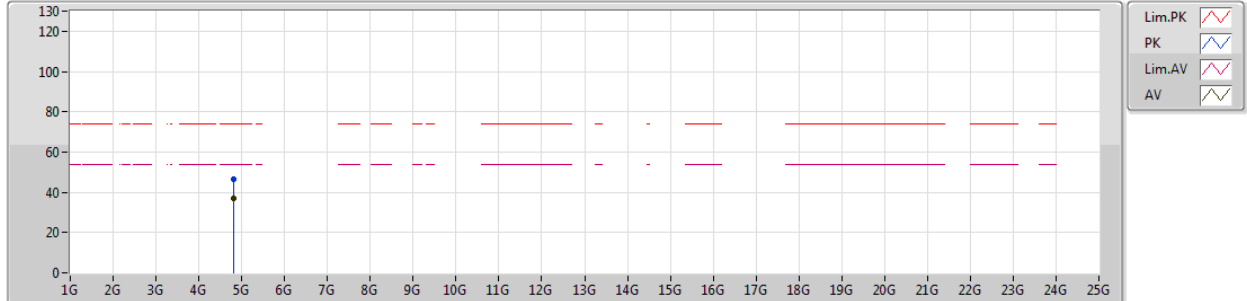


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments							
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)								
AV	4.82399G	38.40	54.00	-15.60	3.49	3	Vertical	69	1.01	-							
PK	4.82407G	47.12	74.00	-26.88	3.49	3	Vertical	69	1.01	-							

802.11b_Nss1,(1Mbps)_1TX

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2412MHz_TX

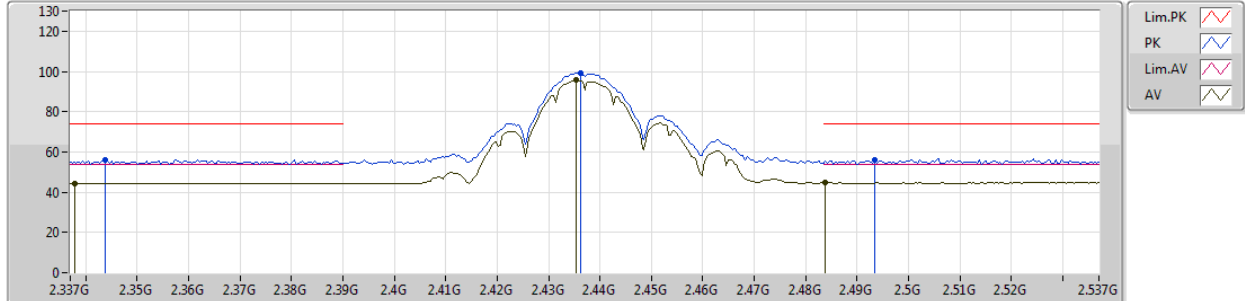


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	4.82406G	36.76	54.00	-17.24	3.49	3	Horizontal	31	1.50	-								
PK	4.82406G	46.30	74.00	-27.70	3.49	3	Horizontal	31	1.50	-								

802.11b_Nss1,(1Mbps)_1TX

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2437MHz_TX

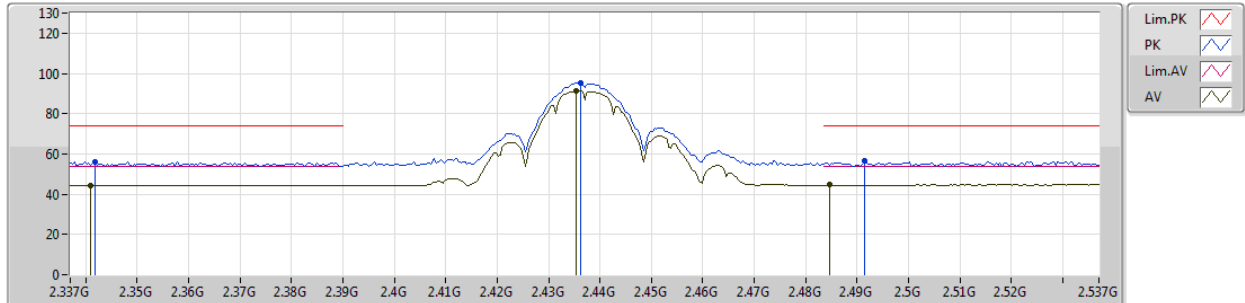


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3378G	44.43	54.00	-9.57	31.83	3	Vertical	20	2.99	-
AV	2.4354G	95.59	Inf	-Inf	32.14	3	Vertical	20	2.99	-
AV	2.4838G	44.71	54.00	-9.29	32.29	3	Vertical	20	2.99	-
PK	2.3438G	56.29	74.00	-17.71	31.85	3	Vertical	20	2.99	-
PK	2.4362G	99.27	Inf	-Inf	32.15	3	Vertical	20	2.99	-
PK	2.4934G	55.77	74.00	-18.23	32.32	3	Vertical	20	2.99	-

802.11b_Nss1,(1Mbps)_1TX

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2437MHz_TX

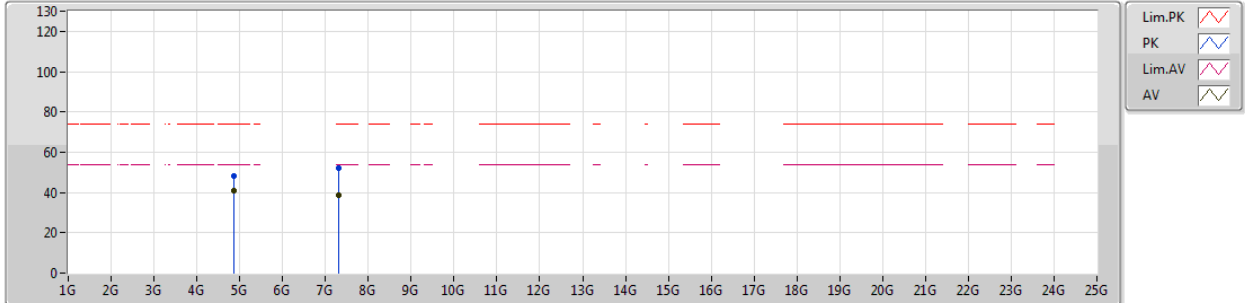


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.341G	44.46	54.00	-9.54	31.84	3	Horizontal	258	1.50	-
AV	2.4354G	91.52	Inf	-Inf	32.14	3	Horizontal	258	1.50	-
AV	2.4846G	44.55	54.00	-9.45	32.29	3	Horizontal	258	1.50	-
PK	2.3418G	56.00	74.00	-18.00	31.84	3	Horizontal	258	1.50	-
PK	2.4362G	95.09	Inf	-Inf	32.15	3	Horizontal	258	1.50	-
PK	2.4914G	56.59	74.00	-17.41	32.31	3	Horizontal	258	1.50	-

802.11b_Nss1,(1Mbps)_1TX

20/02/2019

2437MHz_TX

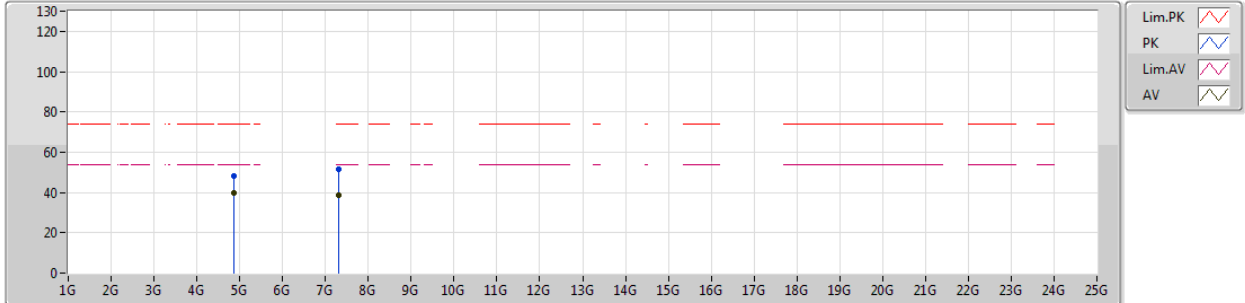


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.87406G	40.68	54.00	-13.32	3.61	3	Vertical	15	2.99	-
AV	7.30956G	38.68	54.00	-15.32	9.19	3	Vertical	44	1.49	-
PK	4.874G	48.08	74.00	-25.92	3.61	3	Vertical	15	2.99	-
PK	7.3092G	52.15	74.00	-21.85	9.19	3	Vertical	44	1.49	-

802.11b_Nss1,(1Mbps)_1TX

20/02/2019

2437MHz_TX

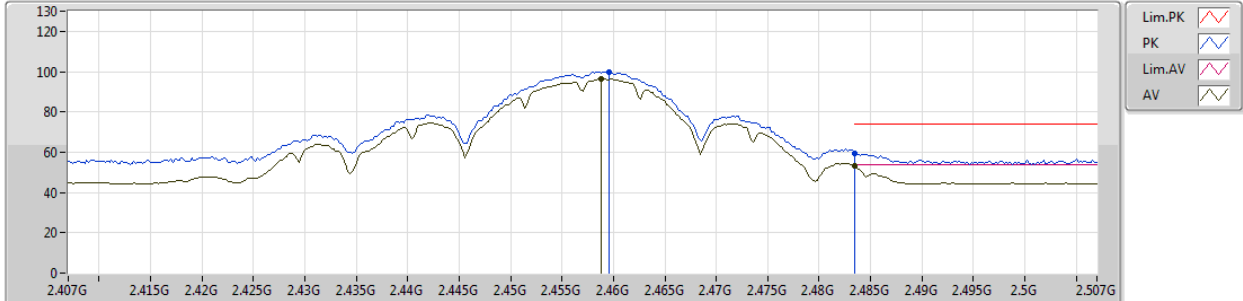


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.87396G	39.58	54.00	-14.42	3.61	3	Horizontal	212	2.89	-
AV	7.31016G	38.53	54.00	-15.47	9.19	3	Horizontal	57	1.47	-
PK	4.874G	48.15	74.00	-25.85	3.61	3	Horizontal	212	2.89	-
PK	7.31376G	51.68	74.00	-22.32	9.20	3	Horizontal	57	1.47	-

802.11b_Nss1,(1Mbps)_1TX

20/02/2019

2457MHz_TX

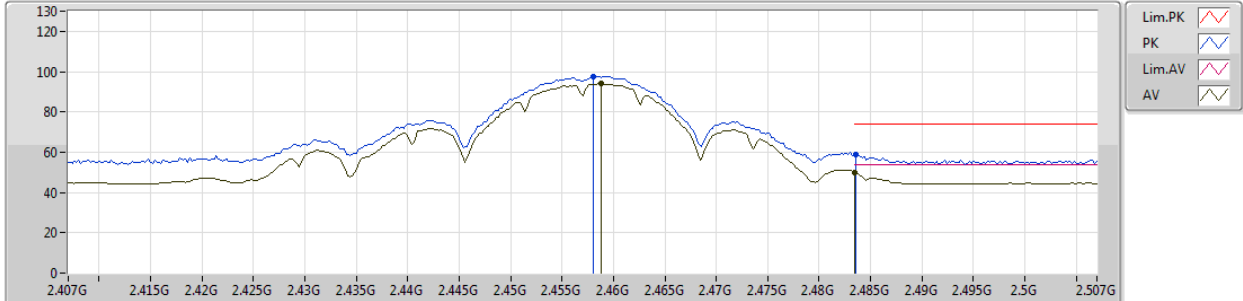


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4588G	96.33	Inf	-Inf	32.22	3	Vertical	25	1.00	-
AV	2.4835G	53.20	54.00	-0.80	32.29	3	Vertical	25	1.00	-
PK	2.4596G	99.95	Inf	-Inf	32.22	3	Vertical	25	1.00	-
PK	2.4835G	59.54	74.00	-14.46	32.29	3	Vertical	25	1.00	-

802.11b_Nss1,(1Mbps)_1TX

20/02/2019

2457MHz_TX

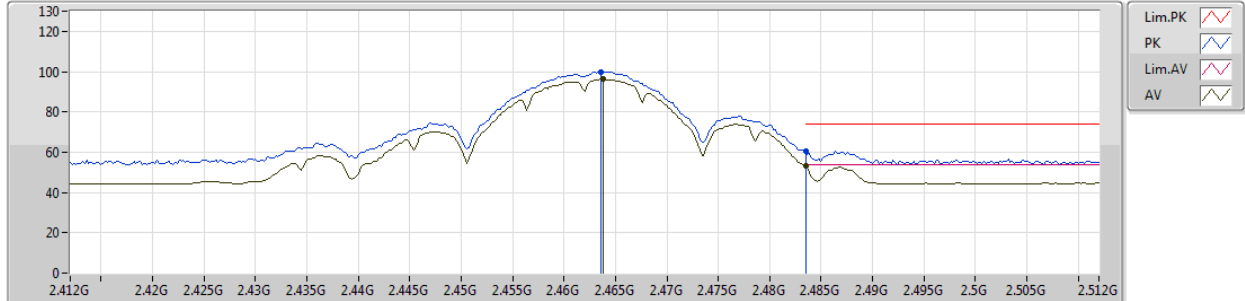


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4588G	94.10	Inf	-Inf	32.22	3	Horizontal	29	1.01	-
AV	2.4835G	50.10	54.00	-3.90	32.29	3	Horizontal	29	1.01	-
PK	2.458G	97.63	Inf	-Inf	32.21	3	Horizontal	29	1.01	-
PK	2.4836G	58.89	74.00	-15.11	32.29	3	Horizontal	29	1.01	-

802.11b_Nss1,(1Mbps)_1TX

20/02/2019

2462MHz_TX

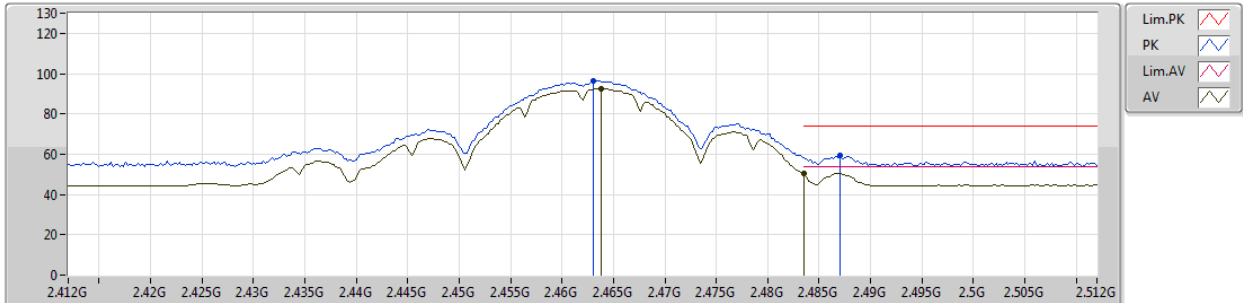


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4638G	96.28	Inf	-Inf	32.23	3	Vertical	29	2.93	-
AV	2.4835G	53.17	54.00	-0.83	32.29	3	Vertical	29	2.93	-
PK	2.4636G	99.83	Inf	-Inf	32.23	3	Vertical	29	2.93	-
PK	2.4835G	60.61	74.00	-13.39	32.29	3	Vertical	29	2.93	-

802.11b_Nss1,(1Mbps)_1TX

20/02/2019

2462MHz_TX

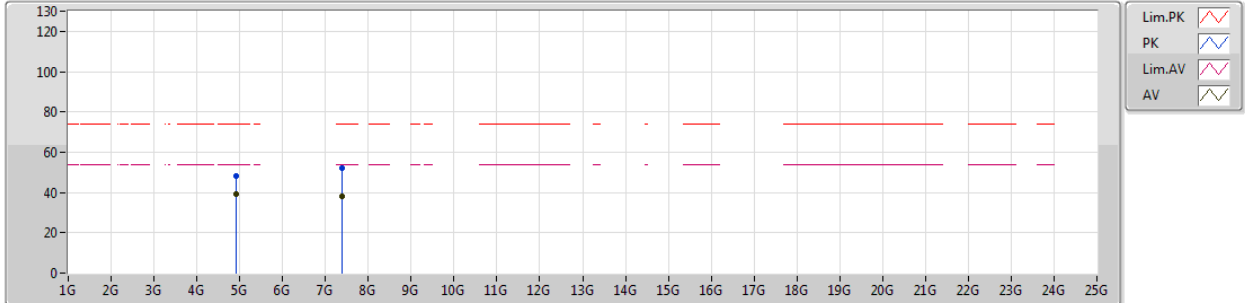


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4638G	92.72	Inf	-Inf	32.23	3	Horizontal	14	1.50	-
AV	2.4835G	50.50	54.00	-3.50	32.29	3	Horizontal	14	1.50	-
PK	2.463G	96.18	Inf	-Inf	32.23	3	Horizontal	14	1.50	-
PK	2.487G	59.33	74.00	-14.67	32.30	3	Horizontal	14	1.50	-

802.11b_Nss1,(1Mbps)_1TX

20/02/2019

2462MHz_TX

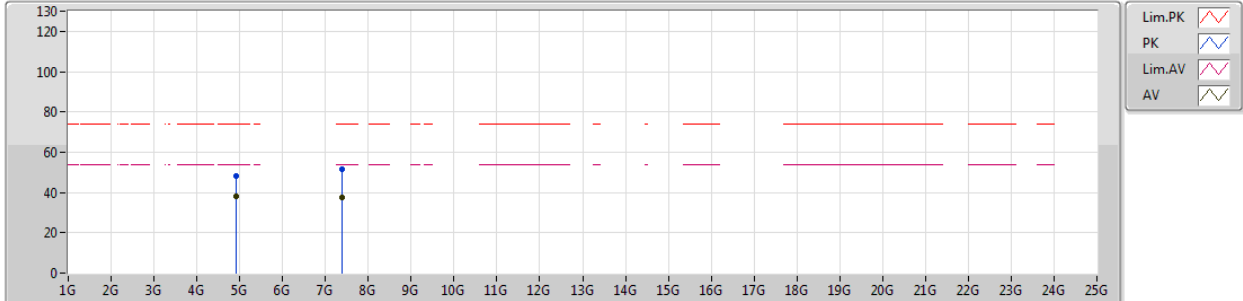


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.924G	39.38	54.00	-14.62	3.74	3	Vertical	40	2.99	-
AV	7.38768G	38.33	54.00	-15.67	9.30	3	Vertical	38	1.50	-
PK	4.92394G	48.37	74.00	-25.63	3.74	3	Vertical	40	2.99	-
PK	7.38426G	51.99	74.00	-22.01	9.29	3	Vertical	38	1.50	-

802.11b_Nss1,(1Mbps)_1TX

20/02/2019

2462MHz_TX

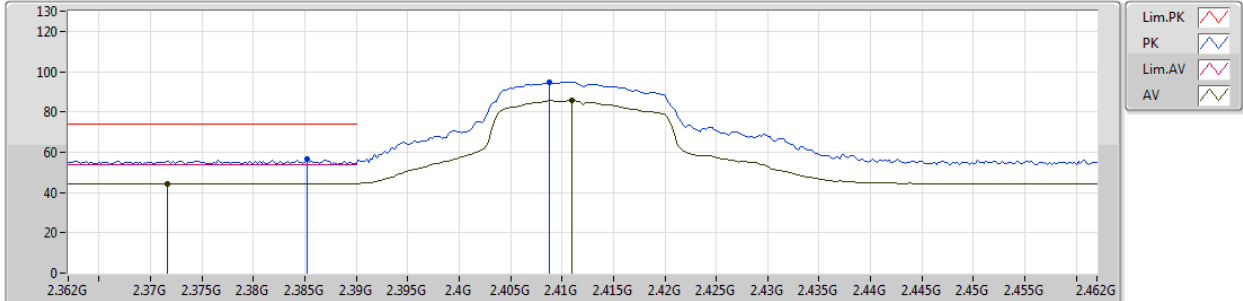


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.924G	38.12	54.00	-15.88	3.74	3	Horizontal	116	1.50	-
AV	7.3875G	37.78	54.00	-16.22	9.30	3	Horizontal	344	1.50	-
PK	4.92368G	47.97	74.00	-26.03	3.74	3	Horizontal	116	1.50	-
PK	7.37898G	51.64	74.00	-22.36	9.29	3	Horizontal	344	1.50	-

802.11g_Nss1,(6Mbps)_1TX

20/02/2019

2412MHz_TX

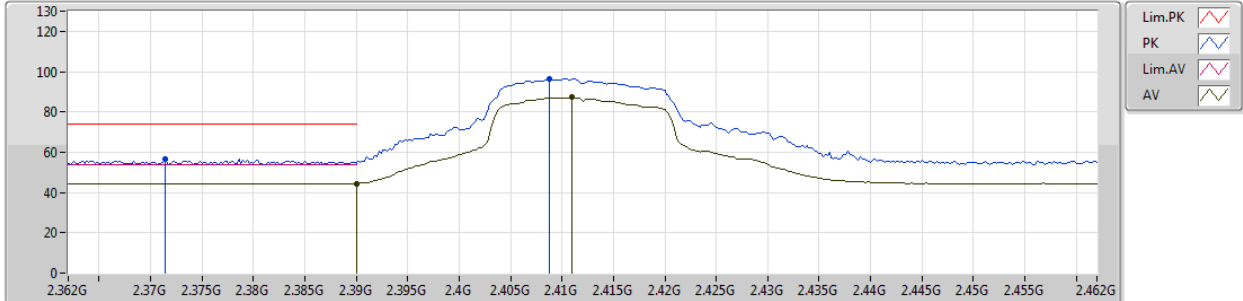


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3716G	44.45	54.00	-9.55	31.94	3	Vertical	29	1.03	-
AV	2.411G	85.62	Inf	-Inf	32.08	3	Vertical	29	1.03	-
PK	2.3852G	56.32	74.00	-17.68	31.99	3	Vertical	29	1.03	-
PK	2.4088G	94.85	Inf	-Inf	32.07	3	Vertical	29	1.03	-

802.11g_Nss1,(6Mbps)_1TX

20/02/2019

2412MHz_TX

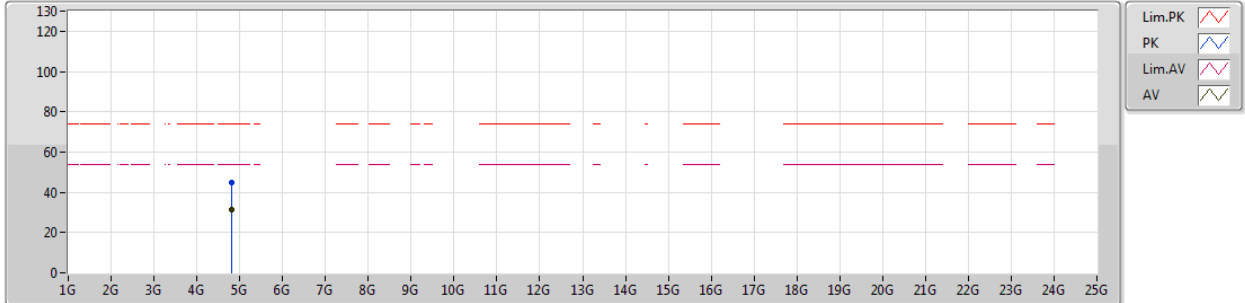


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	44.49	54.00	-9.51	32.01	3	Horizontal	29	1.01	-
AV	2.411G	87.15	Inf	-Inf	32.08	3	Horizontal	29	1.01	-
PK	2.3714G	56.48	74.00	-17.52	31.94	3	Horizontal	29	1.01	-
PK	2.4088G	96.32	Inf	-Inf	32.07	3	Horizontal	29	1.01	-

802.11g_Nss1,(6Mbps)_1TX

20/02/2019

2412MHz_TX

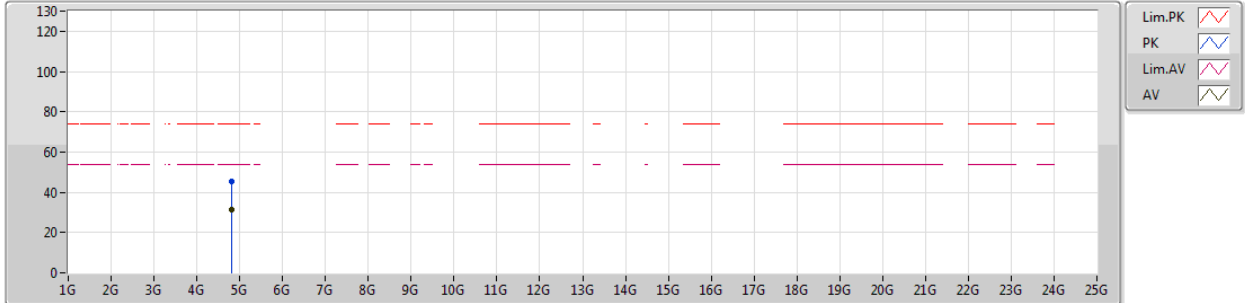


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.81638G	31.53	54.00	-22.47	3.47	3	Vertical	188	2.04	-
PK	4.82004G	44.91	74.00	-29.09	3.49	3	Vertical	188	2.04	-

802.11g_Nss1,(6Mbps)_1TX

20/02/2019

2412MHz_TX

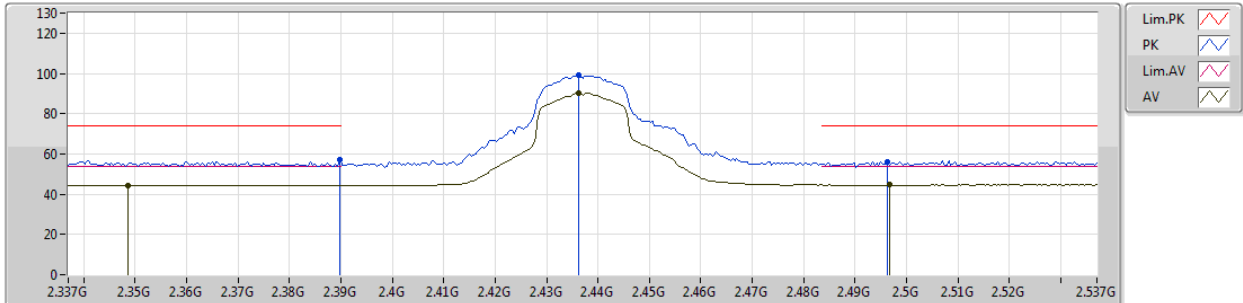


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.81122G	31.50	54.00	-22.50	3.45	3	Horizontal	284	2.17	-
PK	4.81962G	45.33	74.00	-28.67	3.49	3	Horizontal	284	2.17	-

802.11g_Nss1,(6Mbps)_1TX

20/02/2019

2437MHz_TX

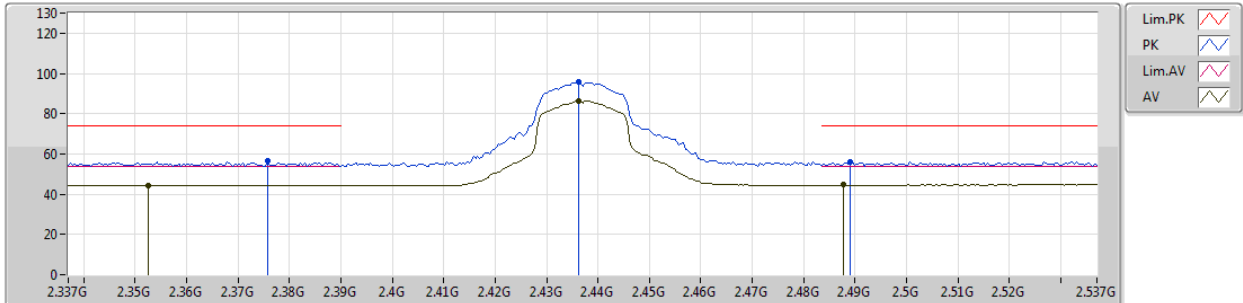


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3486G	44.51	54.00	-9.49	31.87	3	Vertical	24	2.99	-
AV	2.4362G	90.09	Inf	-Inf	32.15	3	Vertical	24	2.99	-
AV	2.4966G	44.61	54.00	-9.39	32.33	3	Vertical	24	2.99	-
PK	2.3898G	56.93	74.00	-17.07	32.01	3	Vertical	24	2.99	-
PK	2.4362G	99.33	Inf	-Inf	32.15	3	Vertical	24	2.99	-
PK	2.4962G	56.15	74.00	-17.85	32.33	3	Vertical	24	2.99	-

802.11g_Nss1,(6Mbps)_1TX

20/02/2019

2437MHz_TX

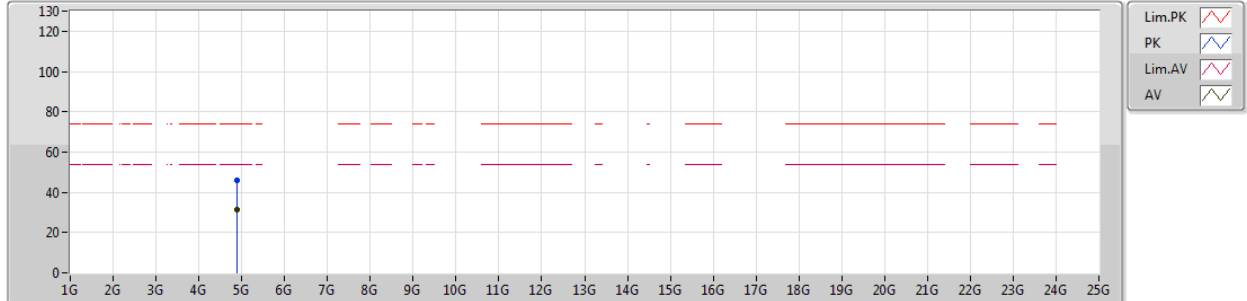


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3526G	44.41	54.00	-9.59	31.88	3	Horizontal	258	1.50	-
AV	2.4362G	86.40	Inf	-Inf	32.15	3	Horizontal	258	1.50	-
AV	2.4878G	44.56	54.00	-9.44	32.30	3	Horizontal	258	1.50	-
PK	2.3758G	56.39	74.00	-17.61	31.96	3	Horizontal	258	1.50	-
PK	2.4362G	95.64	Inf	-Inf	32.15	3	Horizontal	258	1.50	-
PK	2.489G	55.88	74.00	-18.12	32.30	3	Horizontal	258	1.50	-

802.11g_Nss1,(6Mbps)_1TX

20/02/2019

2437MHz_TX

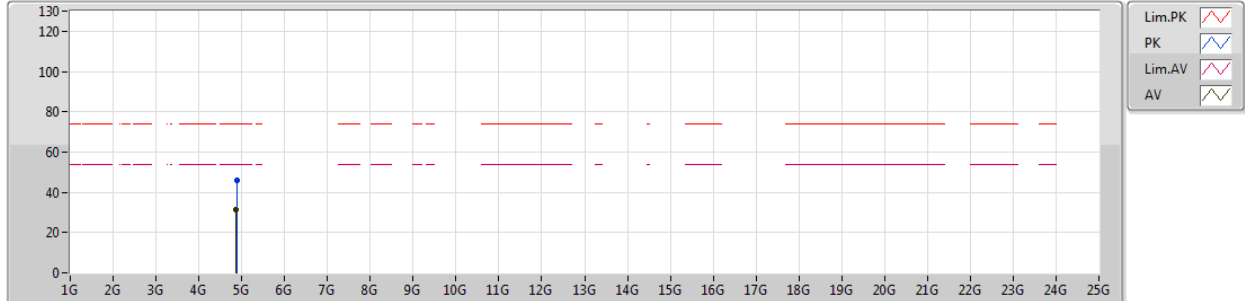


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.88396G	31.59	54.00	-22.41	3.64	3	Vertical	293	1.22	-
PK	4.8857G	45.73	74.00	-28.27	3.64	3	Vertical	293	1.22	-

802.11g_Nss1,(6Mbps)_1TX

20/02/2019

2437MHz_TX

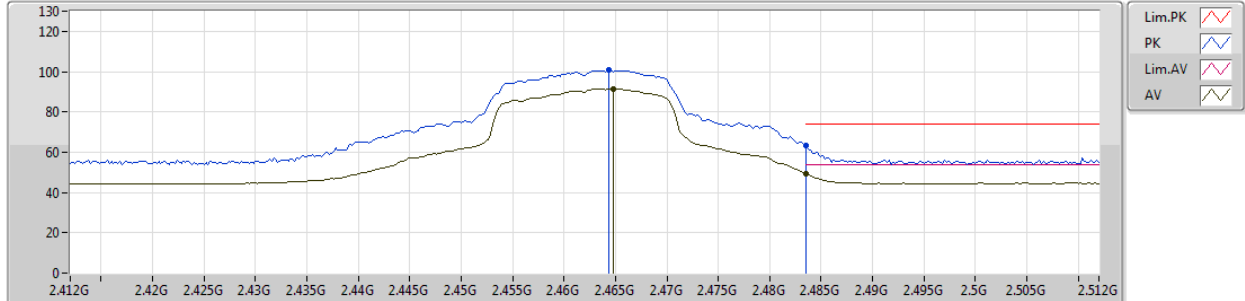


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.87466G	31.53	54.00	-22.47	3.61	3	Horizontal	169	1.85	-
PK	4.88228G	46.13	74.00	-27.87	3.63	3	Horizontal	169	1.85	-

802.11g_Nss1,(6Mbps)_1TX

20/02/2019

2462MHz_TX

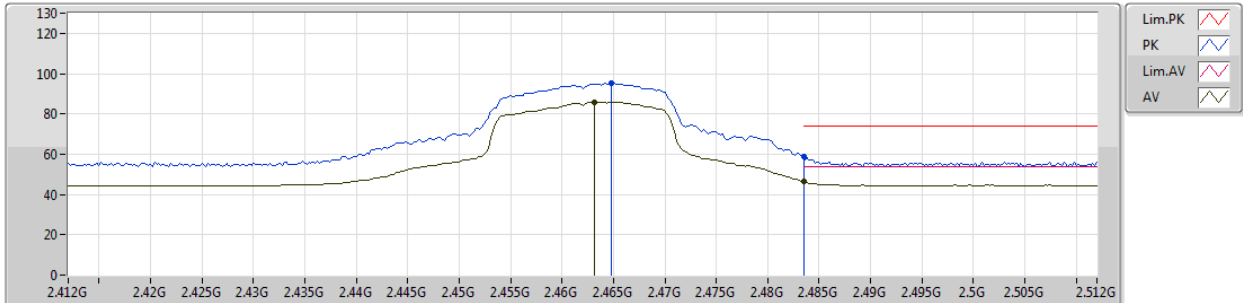


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4648G	91.43	Inf	-Inf	32.24	3	Vertical	10	2.99	-
AV	2.4835G	49.54	54.00	-4.46	32.29	3	Vertical	10	2.99	-
PK	2.4644G	100.87	Inf	-Inf	32.23	3	Vertical	10	2.99	-
PK	2.4835G	63.11	74.00	-10.89	32.29	3	Vertical	10	2.99	-

802.11g_Nss1,(6Mbps)_1TX

20/02/2019

2462MHz_TX

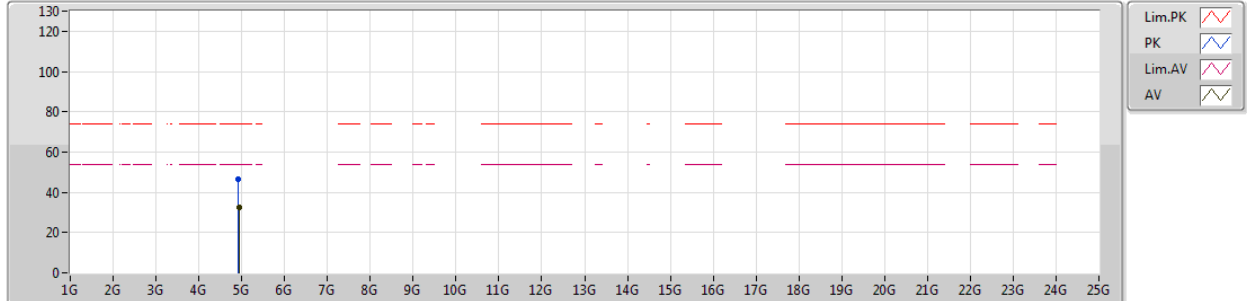


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4632G	86.01	Inf	-Inf	32.23	3	Horizontal	254	1.90	-
AV	2.4835G	46.36	54.00	-7.64	32.29	3	Horizontal	254	1.90	-
PK	2.4648G	95.15	Inf	-Inf	32.24	3	Horizontal	254	1.90	-
PK	2.4835G	59.00	74.00	-15.00	32.29	3	Horizontal	254	1.90	-

802.11g_Nss1,(6Mbps)_1TX

20/02/2019

2462MHz_TX

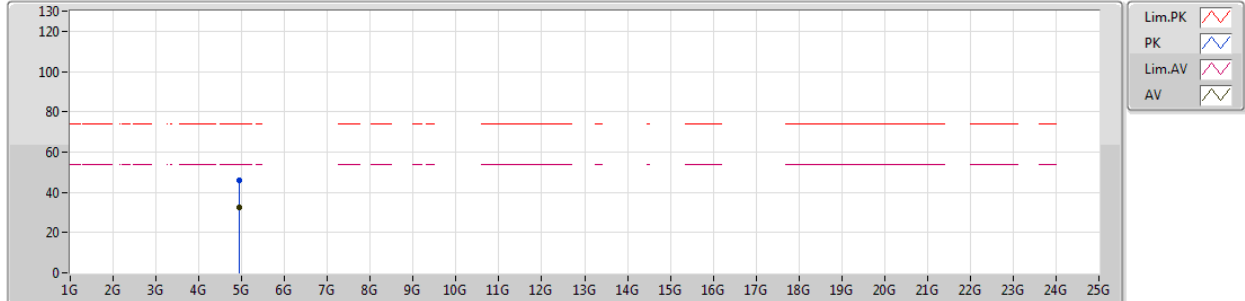


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments							
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)								
AV	4.93672G	32.43	54.00	-21.57	3.77	3	Vertical	252	1.14	-							
PK	4.92064G	46.74	74.00	-27.26	3.74	3	Vertical	252	1.14	-							

802.11g_Nss1,(6Mbps)_1TX

20/02/2019

2462MHz_TX

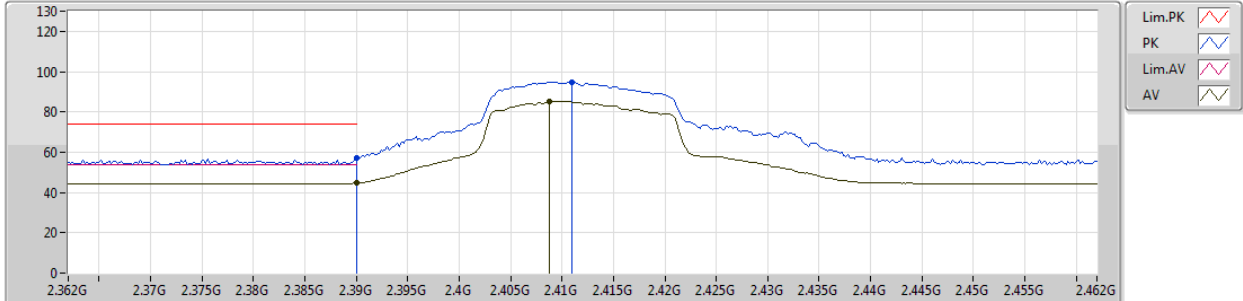


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.9375G	32.42	54.00	-21.58	3.77	3	Horizontal	89	1.68	-
PK	4.93456G	45.76	74.00	-28.24	3.76	3	Horizontal	89	1.68	-

802.11n HT20_Nss1,(MCS0)_1TX

20/02/2019

2412MHz_TX

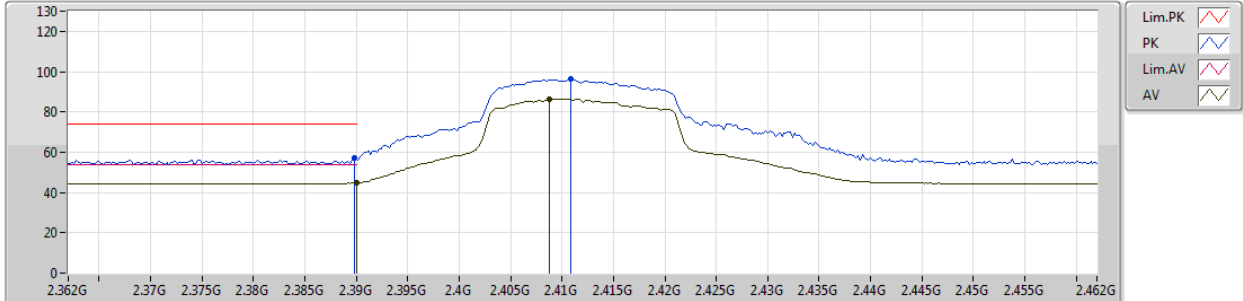


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	44.75	54.00	-9.25	32.01	3	Vertical	30	1.04	-
AV	2.4088G	85.33	Inf	-Inf	32.07	3	Vertical	30	1.04	-
PK	2.39G	57.02	74.00	-16.98	32.01	3	Vertical	30	1.04	-
PK	2.411G	94.90	Inf	-Inf	32.08	3	Vertical	30	1.04	-

802.11n HT20_Nss1,(MCS0)_1TX

20/02/2019

2412MHz_TX

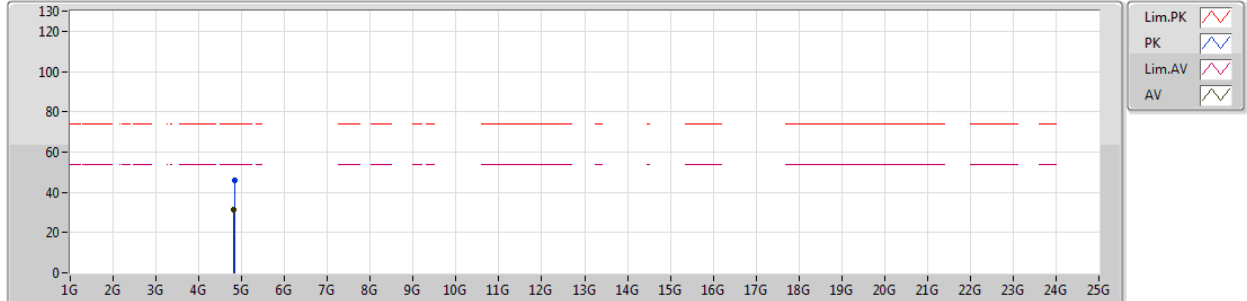


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	44.77	54.00	-9.23	32.01	3	Horizontal	27	1.01	-
AV	2.4088G	86.54	Inf	-Inf	32.07	3	Horizontal	27	1.01	-
PK	2.3898G	57.23	74.00	-16.77	32.01	3	Horizontal	27	1.01	-
PK	2.4108G	96.10	Inf	-Inf	32.08	3	Horizontal	27	1.01	-

802.11n HT20_Nss1,(MCS0)_1TX

20/02/2019

2412MHz_TX

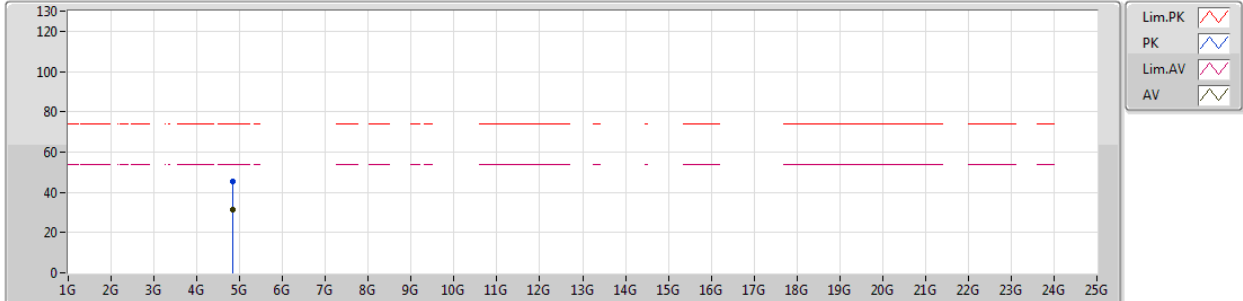


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.80912G	31.43	54.00	-22.57	3.45	3	Vertical	33	2.10	-
PK	4.8267G	45.94	74.00	-28.06	3.50	3	Vertical	33	2.10	-

802.11n HT20_Nss1,(MCS0)_1TX

20/02/2019

2412MHz_TX

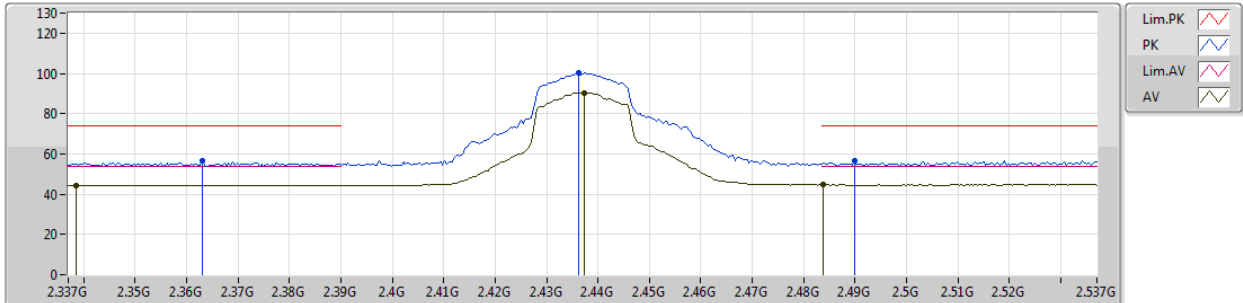


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.8384G	31.45	54.00	-22.55	3.53	3	Horizontal	359	1.04	-
PK	4.8306G	45.22	74.00	-28.78	3.51	3	Horizontal	359	1.04	-

802.11n HT20_Nss1,(MCS0)_1TX

20/02/2019

2437MHz_TX

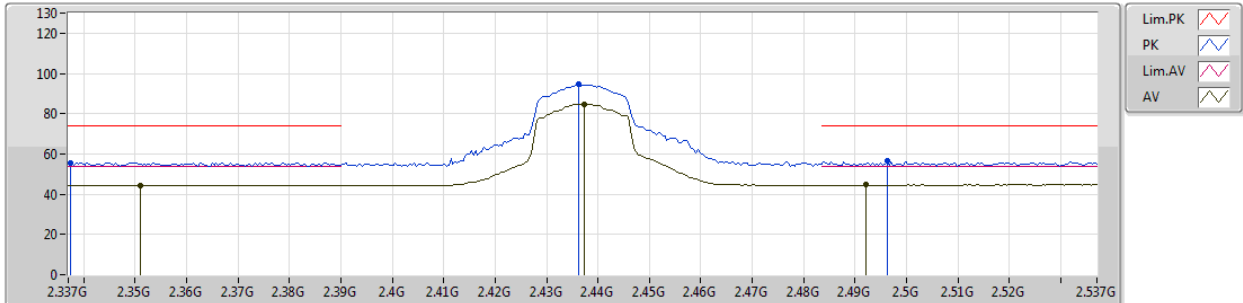


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3386G	44.49	54.00	-9.51	31.83	3	Vertical	17	2.99	-
AV	2.4374G	90.26	Inf	-Inf	32.15	3	Vertical	17	2.99	-
AV	2.4838G	44.68	54.00	-9.32	32.29	3	Vertical	17	2.99	-
PK	2.363G	56.71	74.00	-17.29	31.91	3	Vertical	17	2.99	-
PK	2.4362G	100.33	Inf	-Inf	32.15	3	Vertical	17	2.99	-
PK	2.4898G	56.53	74.00	-17.47	32.31	3	Vertical	17	2.99	-

802.11n HT20_Nss1,(MCS0)_1TX

20/02/2019

2437MHz_TX

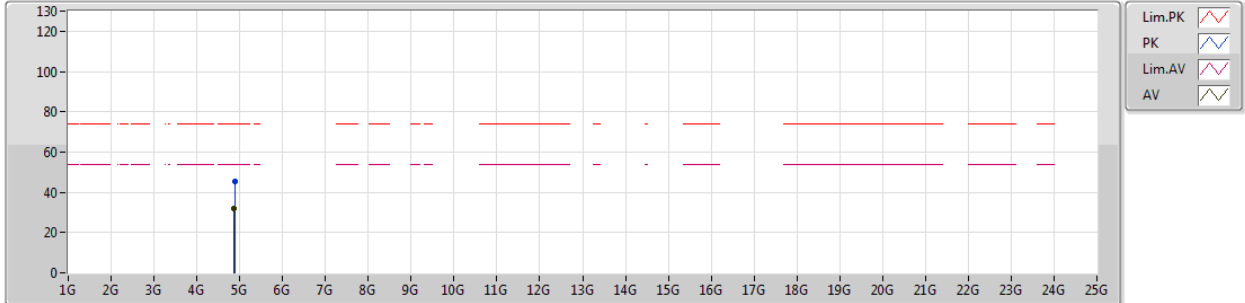


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.351G	44.48	54.00	-9.52	31.87	3	Horizontal	259	1.50	-
AV	2.4374G	84.79	Inf	-Inf	32.15	3	Horizontal	259	1.50	-
AV	2.4922G	44.57	54.00	-9.43	32.32	3	Horizontal	259	1.50	-
PK	2.3374G	55.75	74.00	-18.25	31.83	3	Horizontal	259	1.50	-
PK	2.4362G	94.56	Inf	-Inf	32.15	3	Horizontal	259	1.50	-
PK	2.4962G	56.37	74.00	-17.63	32.33	3	Horizontal	259	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

20/02/2019

2437MHz_TX

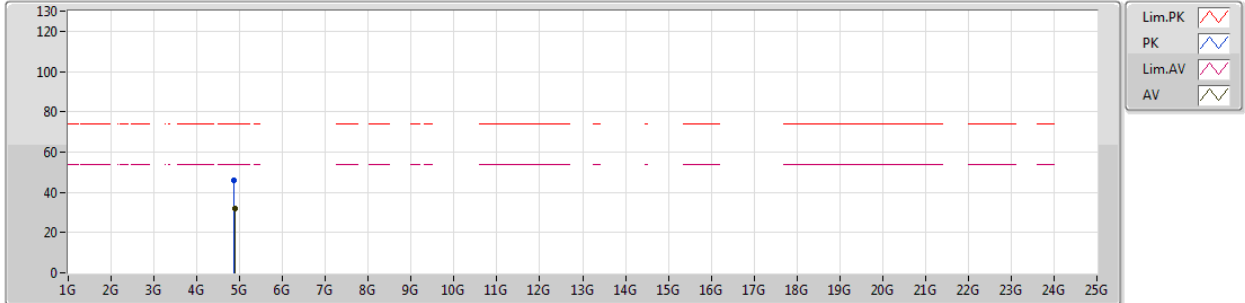


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.86386G	31.89	54.00	-22.11	3.59	3	Vertical	237	1.26	-
PK	4.87736G	45.41	74.00	-28.59	3.62	3	Vertical	237	1.26	-

802.11n HT20_Nss1,(MCS0)_1TX

20/02/2019

2437MHz_TX

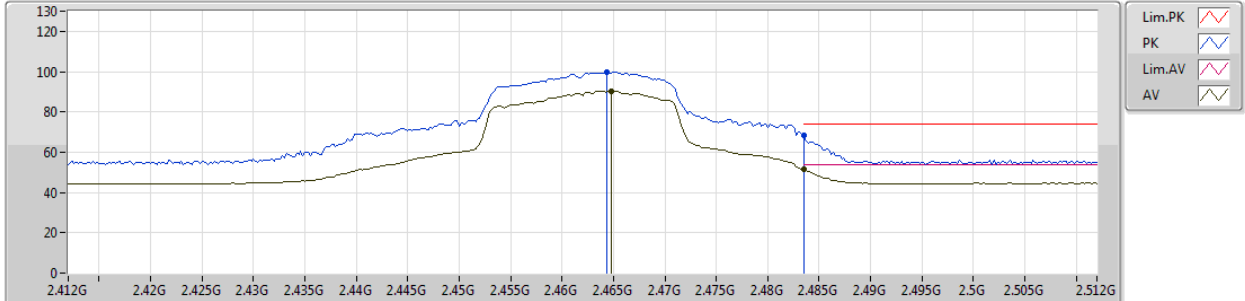


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.8779G	31.95	54.00	-22.05	3.62	3	Horizontal	319	2.21	-
PK	4.87028G	45.82	74.00	-28.18	3.61	3	Horizontal	319	2.21	-

802.11n HT20_Nss1,(MCS0)_1TX

20/02/2019

2462MHz_TX

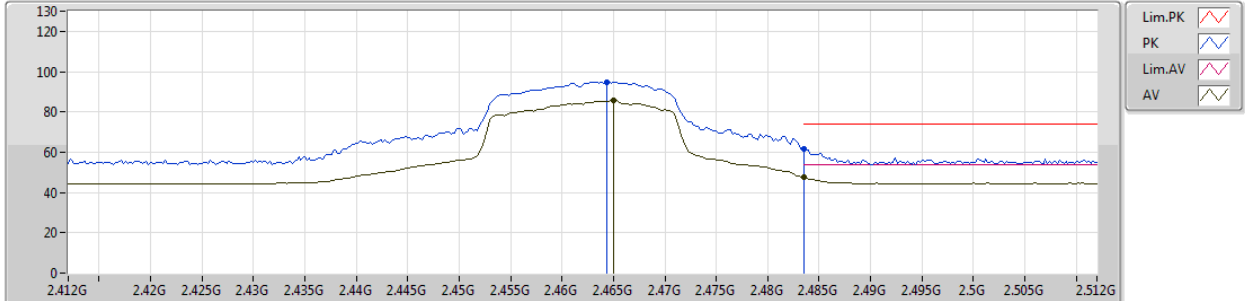


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4648G	90.38	Inf	-Inf	32.24	3	Vertical	25	2.93	-
AV	2.4835G	51.56	54.00	-2.44	32.29	3	Vertical	25	2.93	-
PK	2.4644G	99.76	Inf	-Inf	32.23	3	Vertical	25	2.93	-
PK	2.4835G	68.25	74.00	-5.75	32.29	3	Vertical	25	2.93	-

802.11n HT20_Nss1,(MCS0)_1TX

20/02/2019

2462MHz_TX

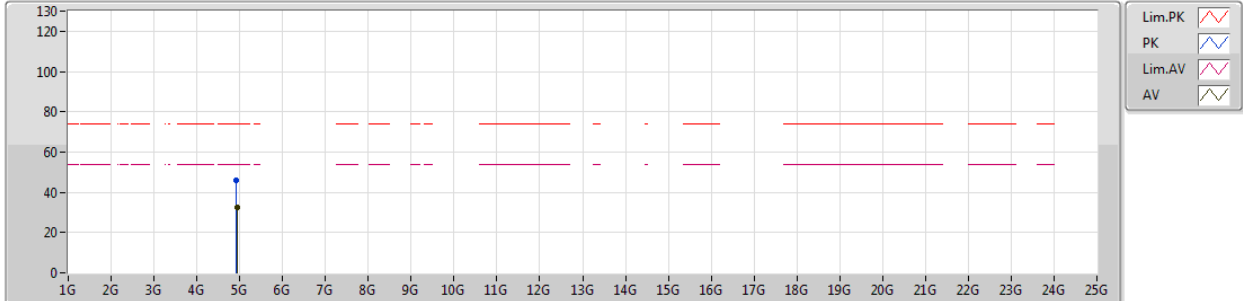


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.465G	85.59	Inf	-Inf	32.24	3	Horizontal	257	2.10	-
AV	2.4835G	47.52	54.00	-6.48	32.29	3	Horizontal	257	2.10	-
PK	2.4644G	94.92	Inf	-Inf	32.23	3	Horizontal	257	2.10	-
PK	2.4835G	61.51	74.00	-12.49	32.29	3	Horizontal	257	2.10	-

802.11n HT20_Nss1,(MCS0)_1TX

20/02/2019

2462MHz_TX

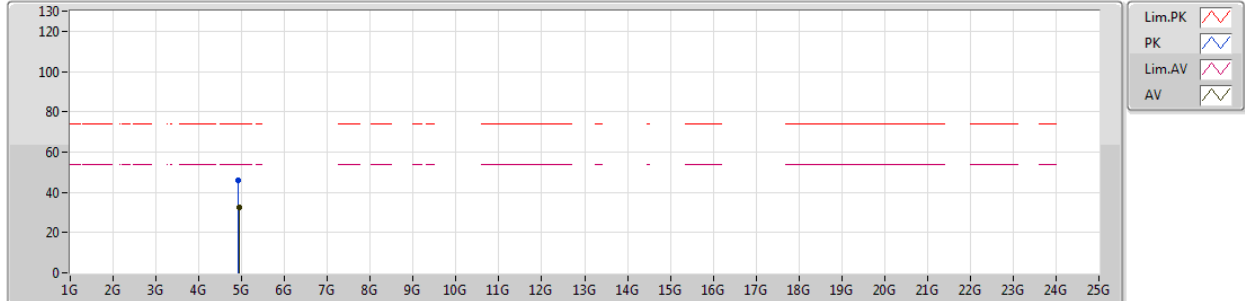


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.93342G	32.42	54.00	-21.58	3.76	3	Vertical	294	1.01	-
PK	4.92856G	46.10	74.00	-27.90	3.75	3	Vertical	294	1.01	-

802.11n HT20_Nss1,(MCS0)_1TX

20/02/2019

2462MHz_TX

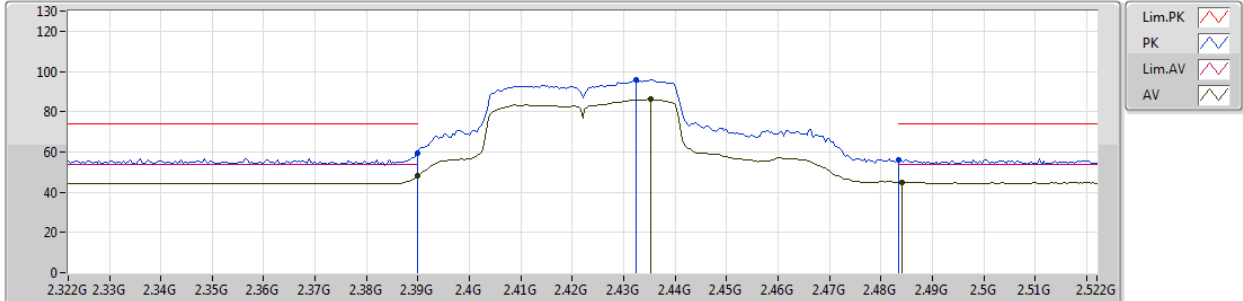


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.9375G	32.32	54.00	-21.68	3.77	3	Horizontal	307	1.37	-
PK	4.91776G	46.09	74.00	-27.91	3.73	3	Horizontal	307	1.37	-

802.11n HT40_Nss1,(MCS0)_1TX

20/02/2019

2422MHz_TX

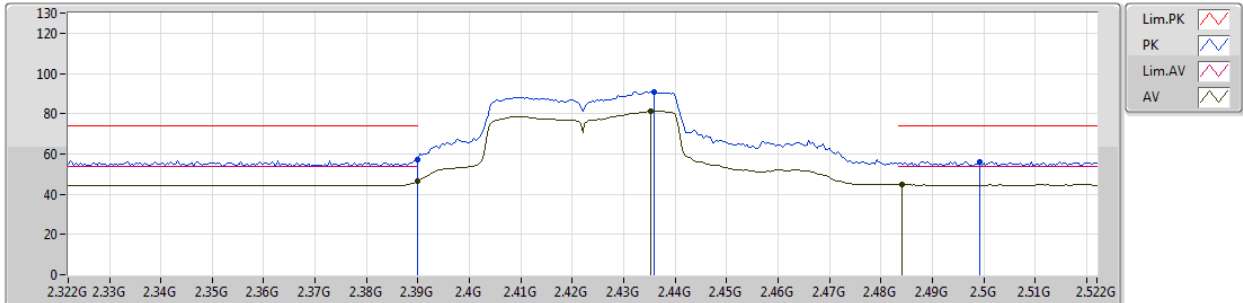


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	48.20	54.00	-5.80	32.01	3	Vertical	18	2.99	-
AV	2.4352G	86.21	Inf	-Inf	32.14	3	Vertical	18	2.99	-
AV	2.484G	44.88	54.00	-9.12	32.29	3	Vertical	18	2.99	-
PK	2.39G	59.19	74.00	-14.81	32.01	3	Vertical	18	2.99	-
PK	2.4324G	96.04	Inf	-Inf	32.14	3	Vertical	18	2.99	-
PK	2.4835G	56.30	74.00	-17.70	32.29	3	Vertical	18	2.99	-

802.11n HT40_Nss1,(MCS0)_1TX

20/02/2019

2422MHz_TX

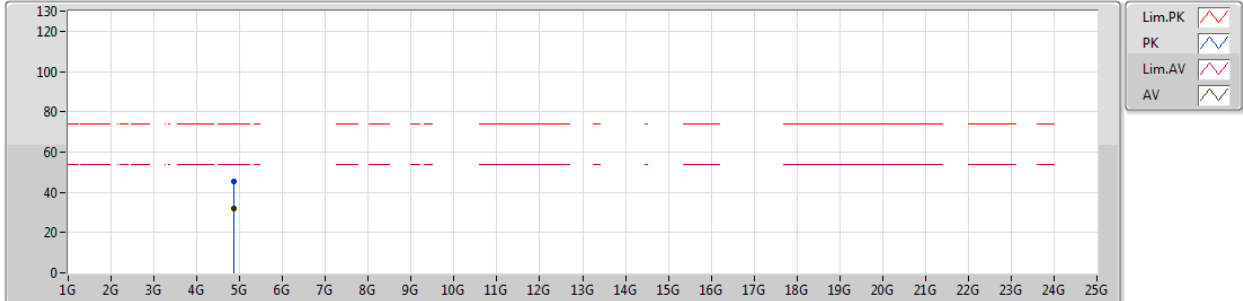


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	46.53	54.00	-7.47	32.01	3	Horizontal	243	1.50	-
AV	2.4352G	81.22	Inf	-Inf	32.14	3	Horizontal	243	1.50	-
AV	2.484G	44.77	54.00	-9.23	32.29	3	Horizontal	243	1.50	-
PK	2.39G	57.21	74.00	-16.79	32.01	3	Horizontal	243	1.50	-
PK	2.436G	90.87	Inf	-Inf	32.15	3	Horizontal	243	1.50	-
PK	2.4992G	56.28	74.00	-17.72	32.34	3	Horizontal	243	1.50	-

802.11n HT40_Nss1,(MCS0)_1TX

20/02/2019

2422MHz_TX

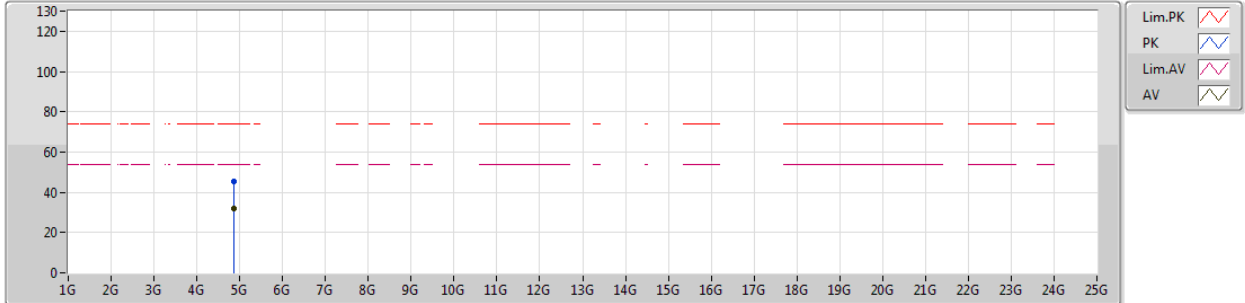


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.8518G	31.84	54.00	-22.16	3.56	3	Vertical	179	1.23	-
PK	4.85498G	45.37	74.00	-28.63	3.57	3	Vertical	179	1.23	-

802.11n HT40_Nss1,(MCS0)_1TX

20/02/2019

2422MHz_TX

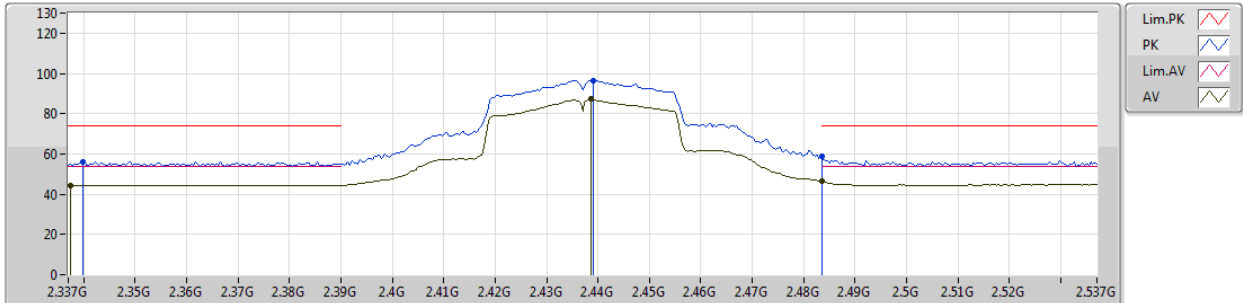


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.85852G	31.75	54.00	-22.25	3.58	3	Horizontal	355	1.52	-
PK	4.85228G	45.37	74.00	-28.63	3.56	3	Horizontal	355	1.52	-

802.11n HT40_Nss1,(MCS0)_1TX

20/02/2019

2437MHz_TX

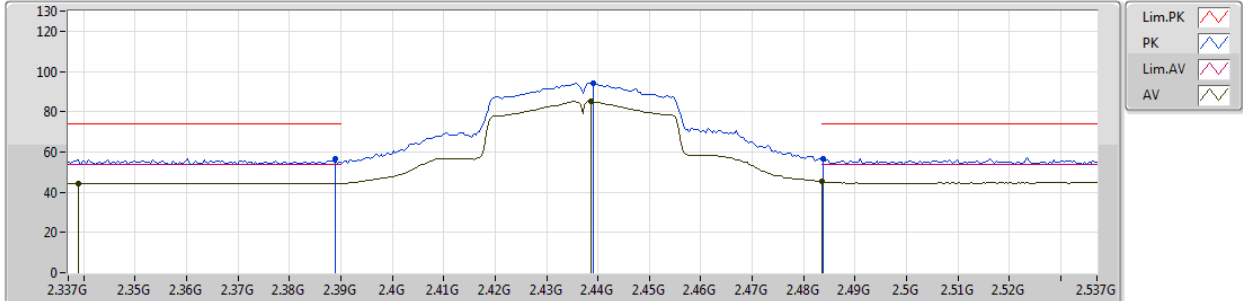


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3374G	44.47	54.00	-9.53	31.83	3	Vertical	15	2.99	-
AV	2.4386G	87.14	Inf	-Inf	32.15	3	Vertical	15	2.99	-
AV	2.4835G	46.25	54.00	-7.75	32.29	3	Vertical	15	2.99	-
PK	2.3398G	56.21	74.00	-17.79	31.84	3	Vertical	15	2.99	-
PK	2.439G	96.65	Inf	-Inf	32.15	3	Vertical	15	2.99	-
PK	2.4835G	58.96	74.00	-15.04	32.29	3	Vertical	15	2.99	-

802.11n HT40_Nss1,(MCS0)_1TX

20/02/2019

2437MHz_TX

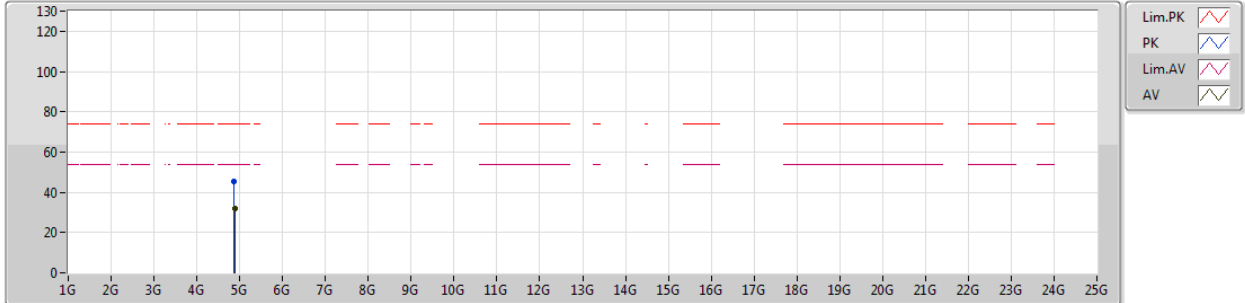


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.339G	44.44	54.00	-9.56	31.83	3	Horizontal	34	1.00	-
AV	2.4386G	85.18	Inf	-Inf	32.15	3	Horizontal	34	1.00	-
AV	2.4835G	45.46	54.00	-8.54	32.29	3	Horizontal	34	1.00	-
PK	2.389G	56.55	74.00	-17.45	32.00	3	Horizontal	34	1.00	-
PK	2.439G	94.25	Inf	-Inf	32.15	3	Horizontal	34	1.00	-
PK	2.4838G	56.67	74.00	-17.33	32.29	3	Horizontal	34	1.00	-

802.11n HT40_Nss1,(MCS0)_1TX

20/02/2019

2437MHz_TX

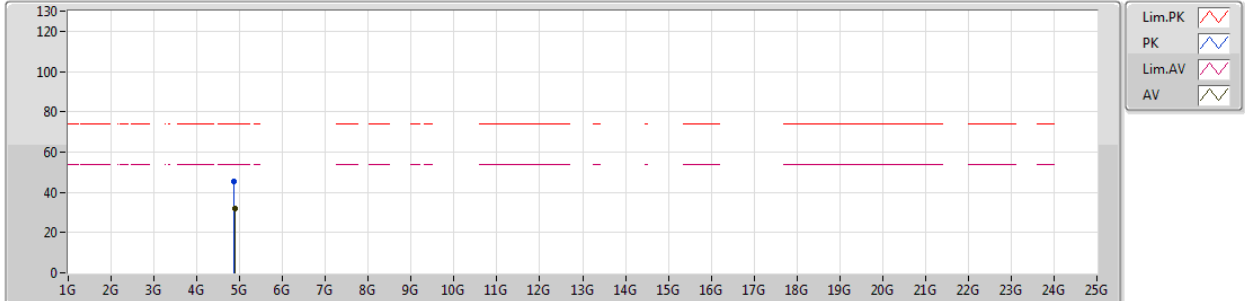


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.8803G	32.11	54.00	-21.89	3.62	3	Vertical	324	1.97	-
PK	4.86284G	45.48	74.00	-28.52	3.59	3	Vertical	324	1.97	-

802.11n HT40_Nss1,(MCS0)_1TX

20/02/2019

2437MHz_TX

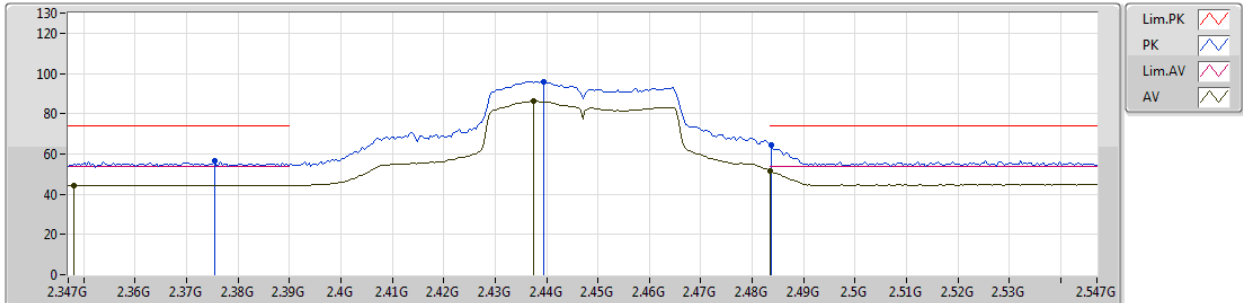


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.88828G	32.01	54.00	-21.99	3.66	3	Horizontal	264	1.87	-
PK	4.8737G	45.56	74.00	-28.44	3.61	3	Horizontal	264	1.87	-

802.11n HT40_Nss1,(MCS0)_1TX

20/02/2019

2447MHz_TX

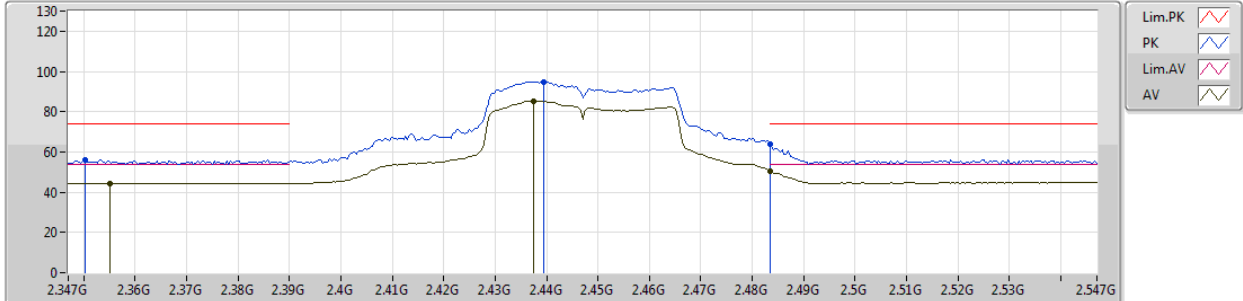


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3482G	44.45	54.00	-9.55	31.87	3	Vertical	28	1.00	-
AV	2.4374G	86.27	Inf	-Inf	32.15	3	Vertical	28	1.00	-
AV	2.4835G	51.58	54.00	-2.42	32.29	3	Vertical	28	1.00	-
PK	2.3754G	56.41	74.00	-17.59	31.96	3	Vertical	28	1.00	-
PK	2.4394G	95.85	Inf	-Inf	32.15	3	Vertical	28	1.00	-
PK	2.4838G	64.36	74.00	-9.64	32.29	3	Vertical	28	1.00	-

802.11n HT40_Nss1,(MCS0)_1TX

20/02/2019

2447MHz_TX

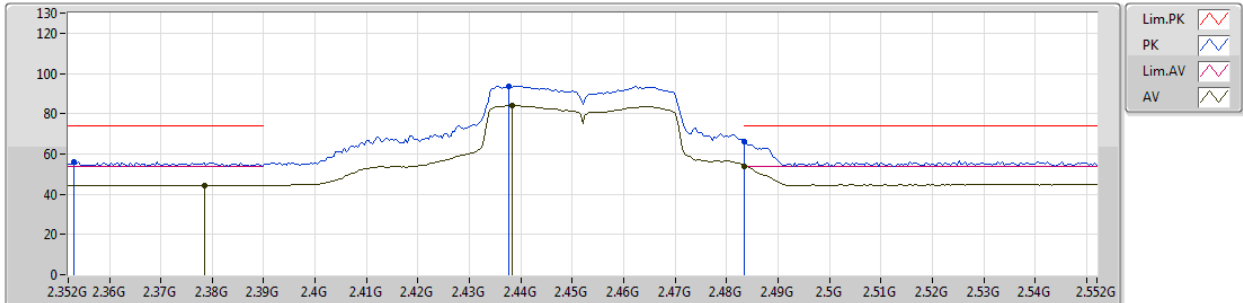


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.355G	44.41	54.00	-9.59	31.88	3	Horizontal	35	1.00	-
AV	2.4374G	85.32	Inf	-Inf	32.15	3	Horizontal	35	1.00	-
AV	2.4835G	50.63	54.00	-3.37	32.29	3	Horizontal	35	1.00	-
PK	2.3502G	56.05	74.00	-17.95	31.87	3	Horizontal	35	1.00	-
PK	2.4394G	94.96	Inf	-Inf	32.15	3	Horizontal	35	1.00	-
PK	2.4835G	64.15	74.00	-9.85	32.29	3	Horizontal	35	1.00	-

802.11n HT40_Nss1,(MCS0)_1TX

20/02/2019

2452MHz_TX

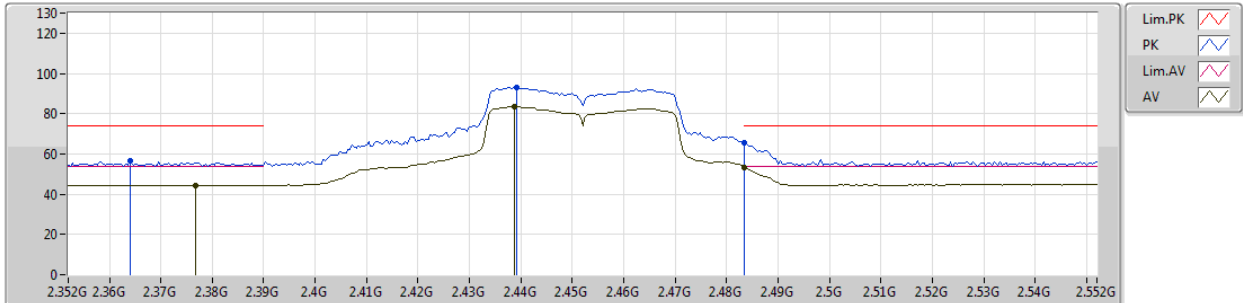


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3784G	44.42	54.00	-9.58	31.97	3	Vertical	34	1.00	-
AV	2.4384G	84.23	Inf	-Inf	32.15	3	Vertical	34	1.00	-
AV	2.4835G	53.93	54.00	-0.07	32.29	3	Vertical	34	1.00	-
PK	2.3532G	56.08	74.00	-17.92	31.88	3	Vertical	34	1.00	-
PK	2.4376G	93.80	Inf	-Inf	32.15	3	Vertical	34	1.00	-
PK	2.4835G	66.05	74.00	-7.95	32.29	3	Vertical	34	1.00	-

802.11n HT40_Nss1,(MCS0)_1TX

20/02/2019

2452MHz_TX

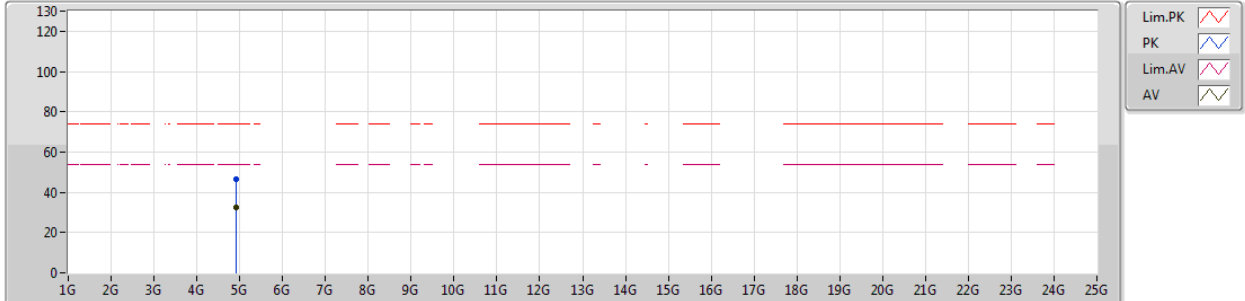


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3768G	44.43	54.00	-9.57	31.96	3	Horizontal	35	1.18	-
AV	2.4388G	83.55	Inf	-Inf	32.15	3	Horizontal	35	1.18	-
AV	2.4835G	53.12	54.00	-0.88	32.29	3	Horizontal	35	1.18	-
PK	2.364G	56.32	74.00	-17.68	31.91	3	Horizontal	35	1.18	-
PK	2.4392G	92.97	Inf	-Inf	32.15	3	Horizontal	35	1.18	-
PK	2.4835G	65.30	74.00	-8.70	32.29	3	Horizontal	35	1.18	-

802.11n HT40_Nss1,(MCS0)_1TX

20/02/2019

2452MHz_TX

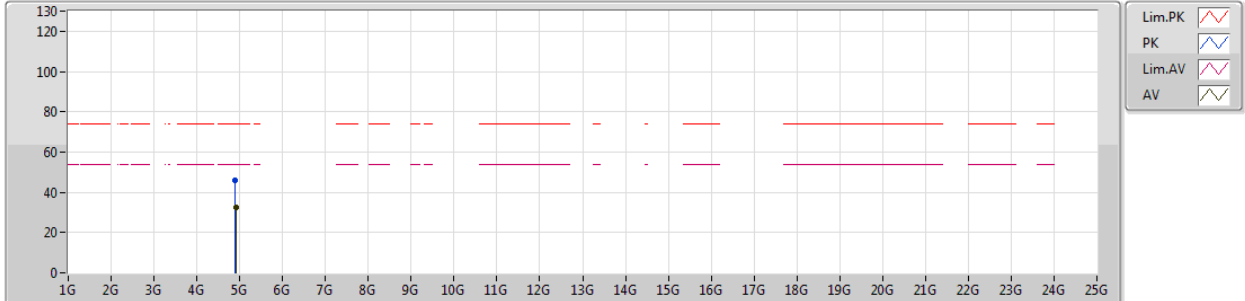


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.91546G	32.30	54.00	-21.70	3.72	3	Vertical	125	2.49	-
PK	4.91198G	46.39	74.00	-27.61	3.70	3	Vertical	125	2.49	-

802.11n HT40_Nss1,(MCS0)_1TX

20/02/2019

2452MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.91744G	32.24	54.00	-21.76	3.73	3	Horizontal	313	2.47	-
PK	4.9016G	45.75	74.00	-28.25	3.68	3	Horizontal	313	2.47	-

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11n HT40_Nss1,(MCS0)_1TX	Pass	PK	51.34M	30.44	40.00	-9.56	-14.27	3	Vertical	360	2.00	-

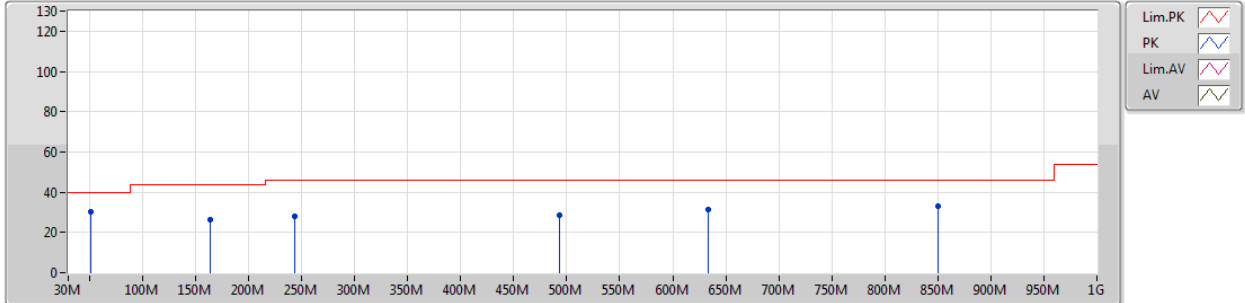
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	51.34M	30.44	40.00	-9.56	-14.27	3	Vertical	360	2.00	-
2437MHz	Pass	PK	163.86M	26.44	43.50	-17.06	-10.62	3	Vertical	360	2.00	-
2437MHz	Pass	PK	243.4M	27.88	46.00	-18.12	-7.76	3	Vertical	360	2.00	-
2437MHz	Pass	PK	493.66M	28.81	46.00	-17.19	-2.36	3	Vertical	360	2.00	-
2437MHz	Pass	PK	633.34M	31.50	46.00	-14.50	-0.38	3	Vertical	360	2.00	-
2437MHz	Pass	PK	850.62M	33.17	46.00	-12.83	1.84	3	Vertical	360	2.00	-
2437MHz	Pass	PK	245.34M	26.92	46.00	-19.08	-7.52	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	330.7M	27.05	46.00	-18.95	-5.42	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	441.28M	28.80	46.00	-17.20	-3.02	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	604.24M	30.03	46.00	-15.97	-0.92	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	689.6M	30.83	46.00	-15.17	-0.23	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	821.52M	32.71	46.00	-13.29	1.45	3	Horizontal	0	1.00	-

802.11n HT40_Nss1,(MCS0)_1RX

20/02/2019

2437MHz_Adapter

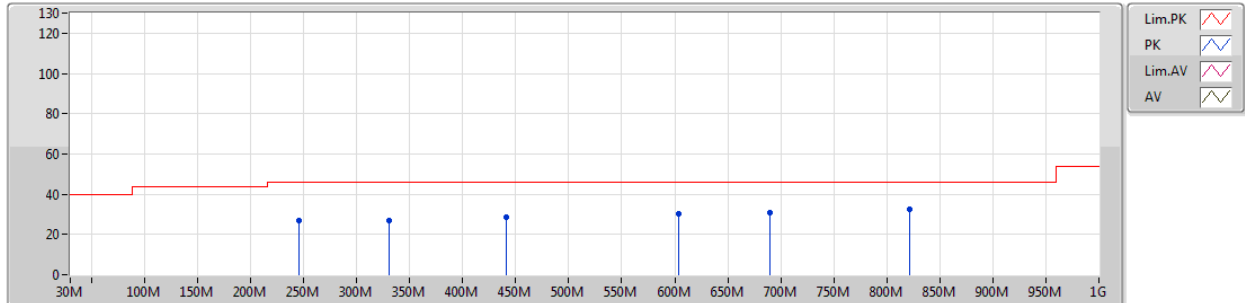


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	51.34M	30.44	40.00	-9.56	-14.27	3	Vertical	360	2.00	-
PK	163.86M	26.44	43.50	-17.06	-10.62	3	Vertical	360	2.00	-
PK	243.4M	27.88	46.00	-18.12	-7.76	3	Vertical	360	2.00	-
PK	493.66M	28.81	46.00	-17.19	-2.36	3	Vertical	360	2.00	-
PK	633.34M	31.50	46.00	-14.50	-0.38	3	Vertical	360	2.00	-
PK	850.62M	33.17	46.00	-12.83	1.84	3	Vertical	360	2.00	-

802.11n HT40_Nss1,(MCS0)_1RX

20/02/2019

2437MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	245.34M	26.92	46.00	-19.08	-7.52	3	Horizontal	0	1.00	-
PK	330.7M	27.05	46.00	-18.95	-5.42	3	Horizontal	0	1.00	-
PK	441.28M	28.80	46.00	-17.20	-3.02	3	Horizontal	0	1.00	-
PK	604.24M	30.03	46.00	-15.97	-0.92	3	Horizontal	0	1.00	-
PK	689.6M	30.83	46.00	-15.17	-0.23	3	Horizontal	0	1.00	-
PK	821.52M	32.71	46.00	-13.29	1.45	3	Horizontal	0	1.00	-

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11n HT40_Nss1,(MCS0)_1TX	Pass	AV	2.96G	27.45	54.00	-26.55	-1.05	3	Vertical	226	1.34	-

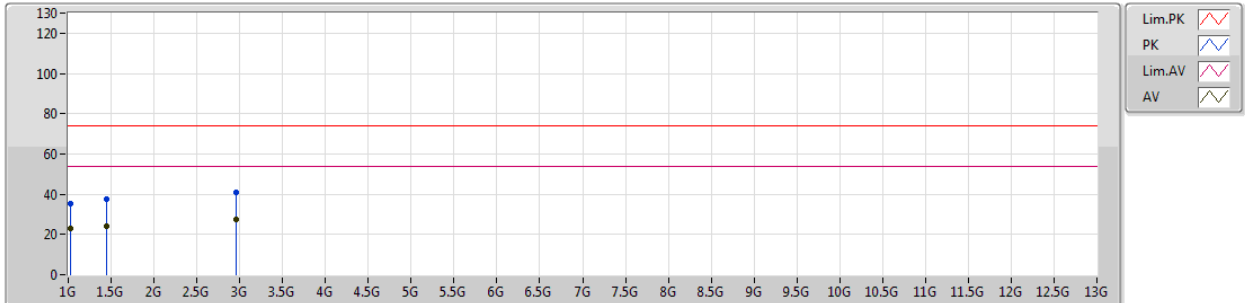
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	AV	1.032G	22.73	54.00	-31.27	-7.45	3	Vertical	330	2.14	-
2437MHz	Pass	AV	1.448G	23.83	54.00	-30.17	-5.20	3	Vertical	348	1.80	-
2437MHz	Pass	AV	2.96G	27.45	54.00	-26.55	-1.05	3	Vertical	226	1.34	-
2437MHz	Pass	PK	1.032G	35.39	74.00	-38.61	-7.45	3	Vertical	330	2.14	-
2437MHz	Pass	PK	1.448G	37.33	74.00	-36.67	-5.20	3	Vertical	348	1.80	-
2437MHz	Pass	PK	2.96G	41.08	74.00	-32.92	-1.05	3	Vertical	226	1.34	-
2437MHz	Pass	AV	1.324G	24.10	54.00	-29.90	-5.86	3	Horizontal	346	1.28	-
2437MHz	Pass	AV	2.128G	25.41	54.00	-28.59	-3.30	3	Horizontal	93	2.02	-
2437MHz	Pass	AV	2.452G	26.52	54.00	-27.48	-2.33	3	Horizontal	221	1.69	-
2437MHz	Pass	PK	1.324G	36.48	74.00	-37.52	-5.86	3	Horizontal	346	1.28	-
2437MHz	Pass	PK	2.128G	38.25	74.00	-35.75	-3.30	3	Horizontal	93	2.02	-
2437MHz	Pass	PK	2.452G	40.28	74.00	-33.72	-2.33	3	Horizontal	221	1.69	-

802.11n HT40_Nss1,(MCS0)_1RX

20/02/2019

2437MHz_RX

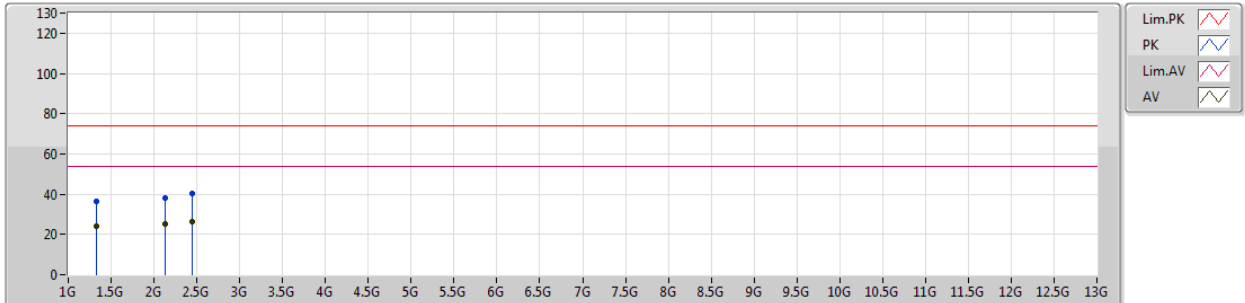


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	1.032G	22.73	54.00	-31.27	-7.45	3	Vertical	330	2.14	-
AV	1.448G	23.83	54.00	-30.17	-5.20	3	Vertical	348	1.80	-
AV	2.96G	27.45	54.00	-26.55	-1.05	3	Vertical	226	1.34	-
PK	1.032G	35.39	74.00	-38.61	-7.45	3	Vertical	330	2.14	-
PK	1.448G	37.33	74.00	-36.67	-5.20	3	Vertical	348	1.80	-
PK	2.96G	41.08	74.00	-32.92	-1.05	3	Vertical	226	1.34	-

802.11n HT40_Nss1,(MCS0)_1RX

20/02/2019

2437MHz_RX



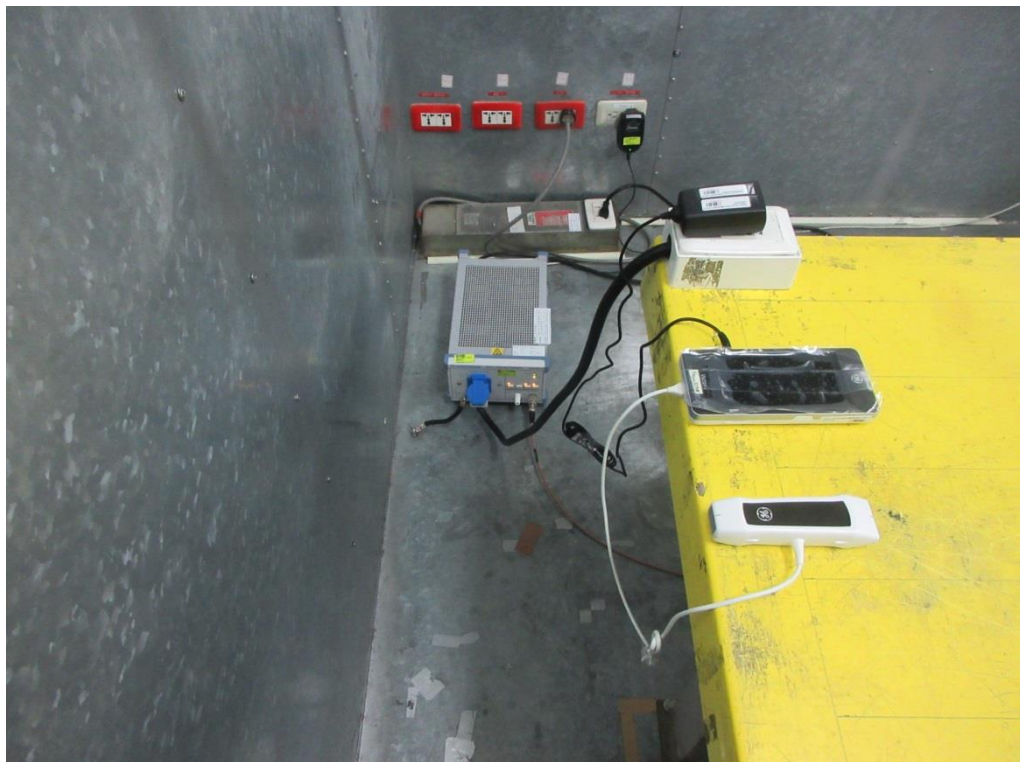
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	1.324G	24.10	54.00	-29.90	-5.86	3	Horizontal	346	1.28	-
AV	2.128G	25.41	54.00	-28.59	-3.30	3	Horizontal	93	2.02	-
AV	2.452G	26.52	54.00	-27.48	-2.33	3	Horizontal	221	1.69	-
PK	1.324G	36.48	74.00	-37.52	-5.86	3	Horizontal	346	1.28	-
PK	2.128G	38.25	74.00	-35.75	-3.30	3	Horizontal	93	2.02	-
PK	2.452G	40.28	74.00	-33.72	-2.33	3	Horizontal	221	1.69	-

1. Photographs of Conducted Emissions Test Configuration

Front view



Side view



Under table view

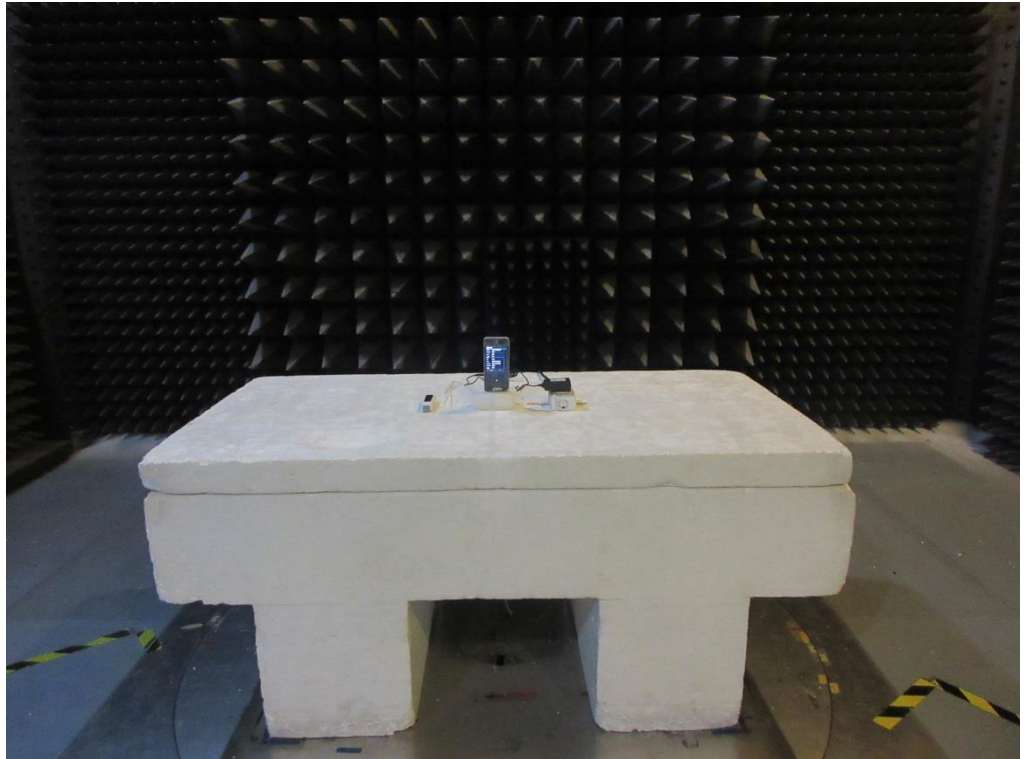


2. Photographs of Radiated Emissions Test Configuration

For radiated emissions 30MHz~1GHz

TX Mode

Front view

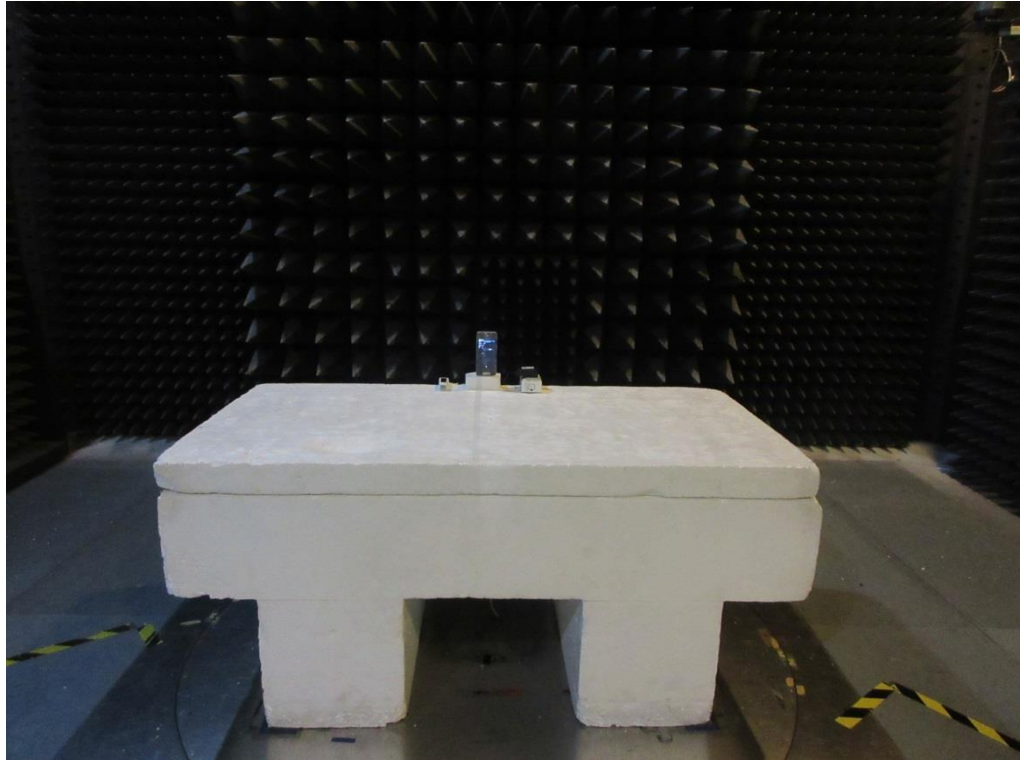


Rear view

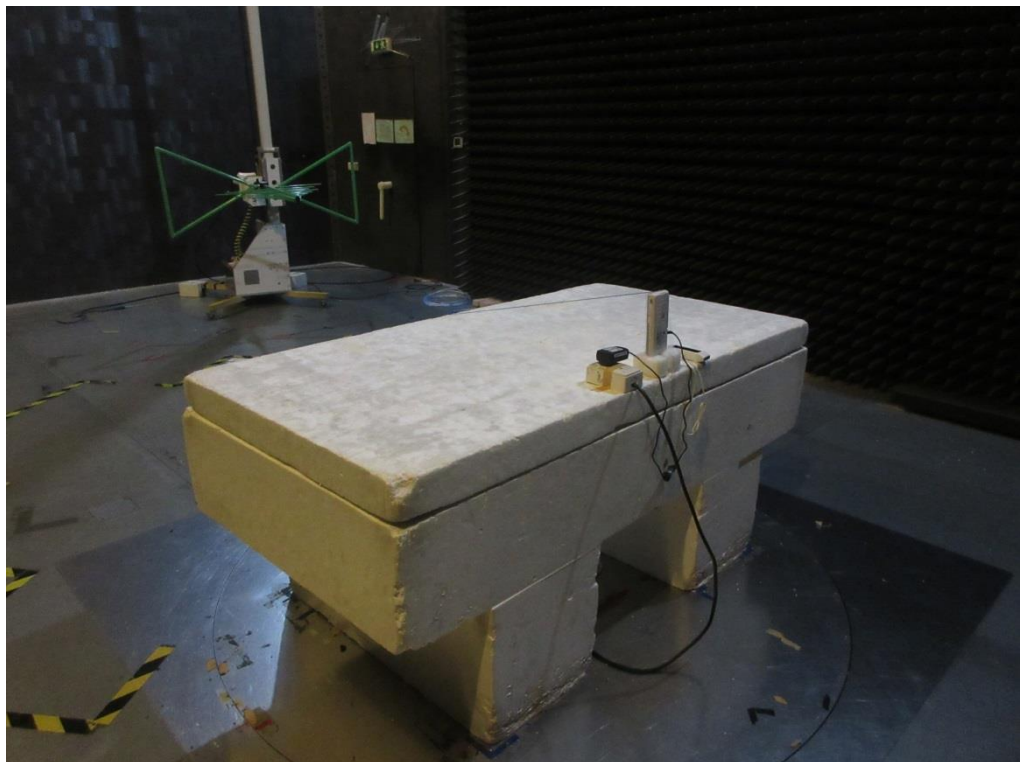


RX Mode

Front view

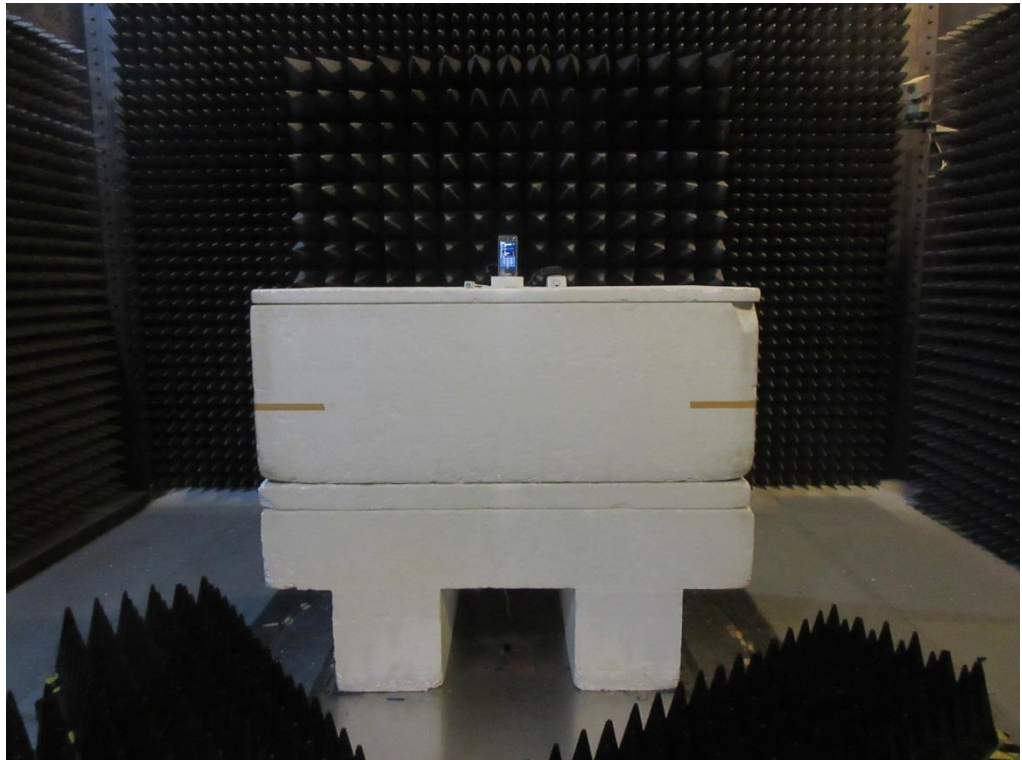


Rear view



For radiated emissions above 1GHz
TX Mode

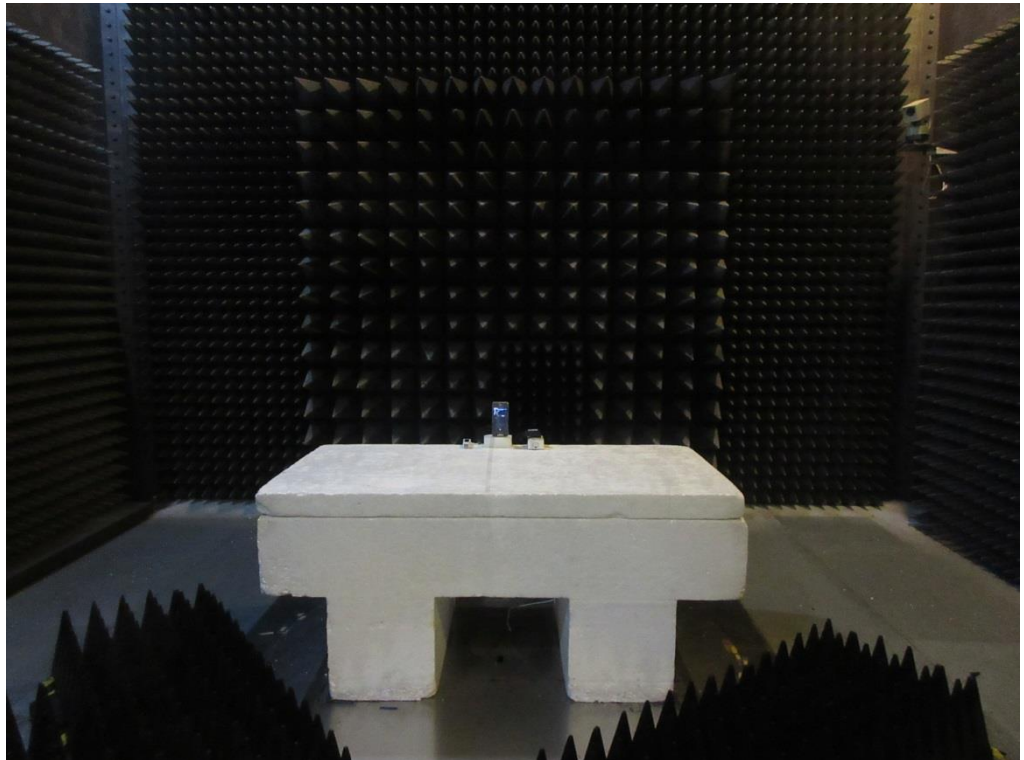
Front view



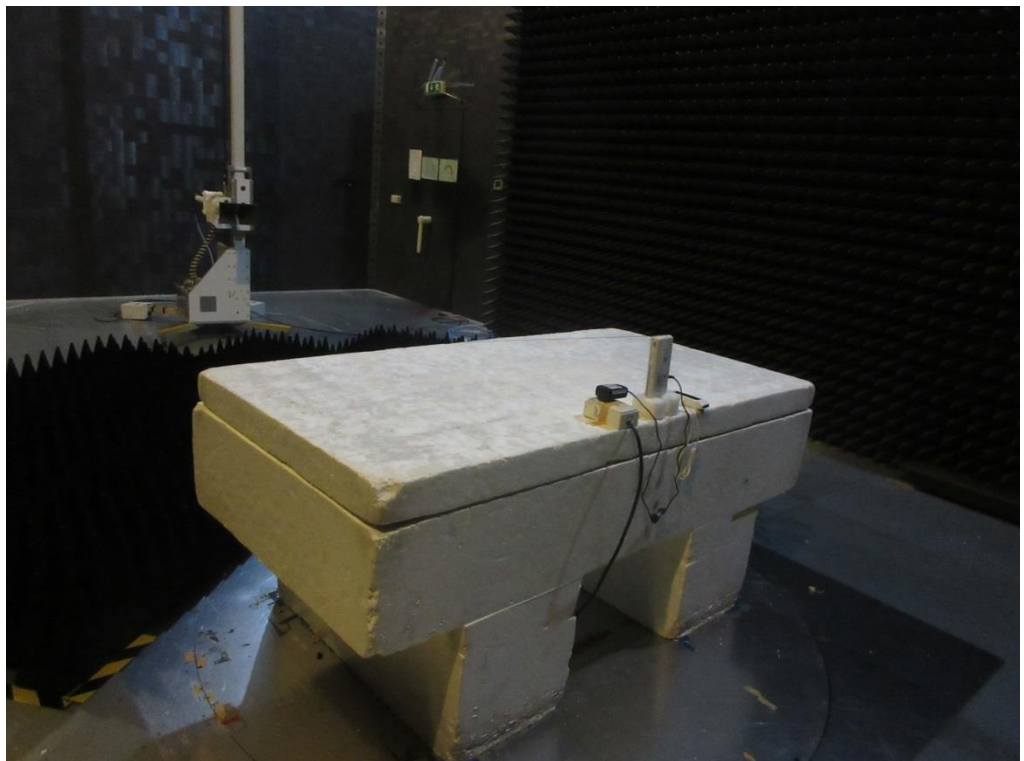
Rear view



RX Mode



Front view



Rear view

————THE END————