

NCC Test Report

Equipment : 牆座式雙頻無線接入點
Brand Name : UBIQUITI
Model Name : UAP-AC-IW
Applicant : 香港商優比快科技有限公司台灣分公司
臺北市信義區松仁路 107 號 12 樓
Manufacturer : Ubiquiti Networks, Inc.
685 Third Avenue, 27th Floor New York,
New York 10017 USA
Standard : LP0002 Section 3.10 (2018-01-10)

The product was received on Jan. 23, 2019, and testing was started from Feb. 06, 2019 and completed on Feb. 14, 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

[illegible]

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: Jenny Yang

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	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX

Note:

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	-	-	internal antenna	murata
2	-	-	internal antenna	murata

Ant.	Port	Gain (dBi)	
		2.4G	5G
1	1	1	2
2	2	1	2

Note 1: The EUT has two antennas.

For 2.4GHz wireless function:

For IEEE 802.11 b/g/n mode (2TX/2RX)

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

For 5GHz function:

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

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From PoE			
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 v05r01
- ♦ KDB 662911 D01 v02r01
- ♦ 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
AC Conduction	CO04-HY	Sam	21.6~22.5°C / 54.3~55.8%	14/Feb/2019
RF Conducted	TH01-HY	Gary	23.6~23.9°C / 66~68%	13/Feb/2019
Radiated	03CH09-HY	Sam	21.2~23.6°C / 59~68%	06/Feb/2019~ 12/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	CMD
---------------	-----

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	31.5
2437MHz	29
2462MHz	29
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	20
2417MHz	22
2437MHz	26.5
2457MHz	23
2462MHz	20
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	20
2417MHz	22
2437MHz	29
2457MHz	22
2462MHz	19.5
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	20
2427MHz	21
2437MHz	22.5
2447MHz	22
2452MHz	19.5

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/CRX
1	PoE 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	PoE mode
Operating Mode > 1GHz	CTX/CRX
Orthogonal Planes of EUT	Y Plane
	
Worst Planes of EUT	V

2.4 Support Equipment

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

Note: Support equipment No.1 was provided by customer.

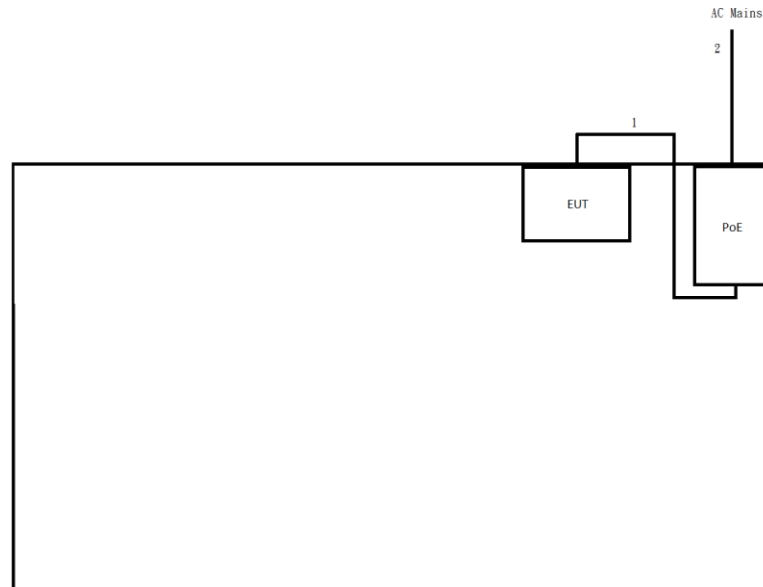
Support Equipment – RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC

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

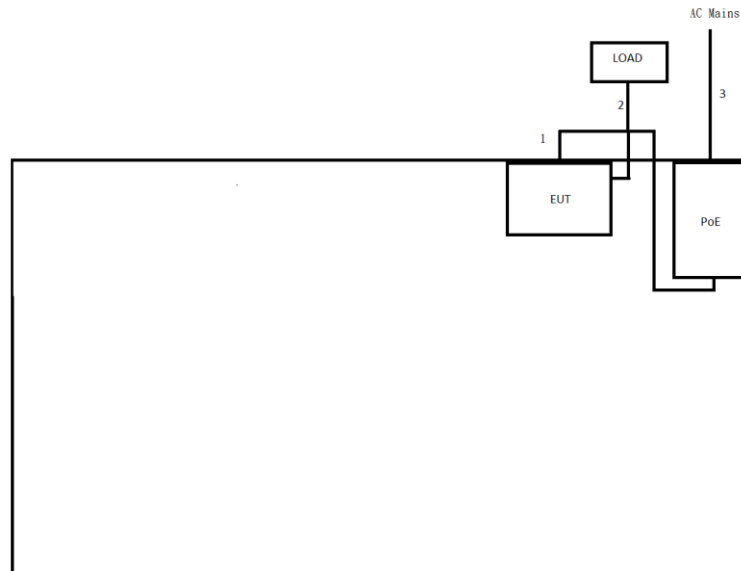
Note: Support equipment No.1 was provided by customer.

2.5 Test Setup Diagram

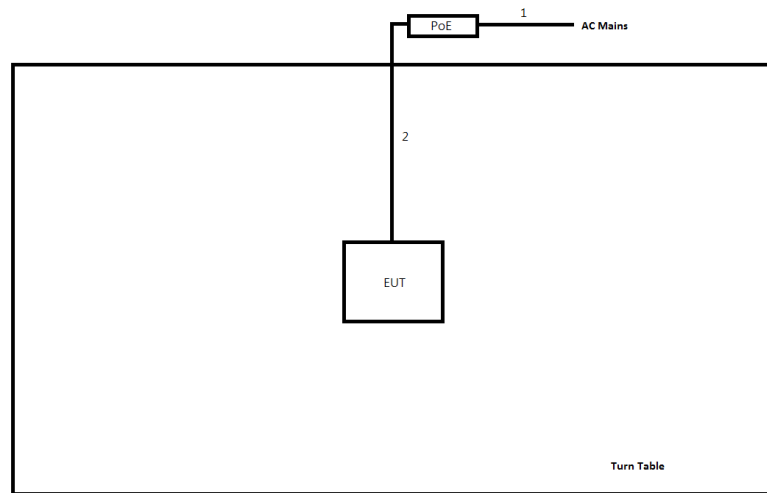
Test Setup Diagram – AC Line Conducted Emission Test - TX



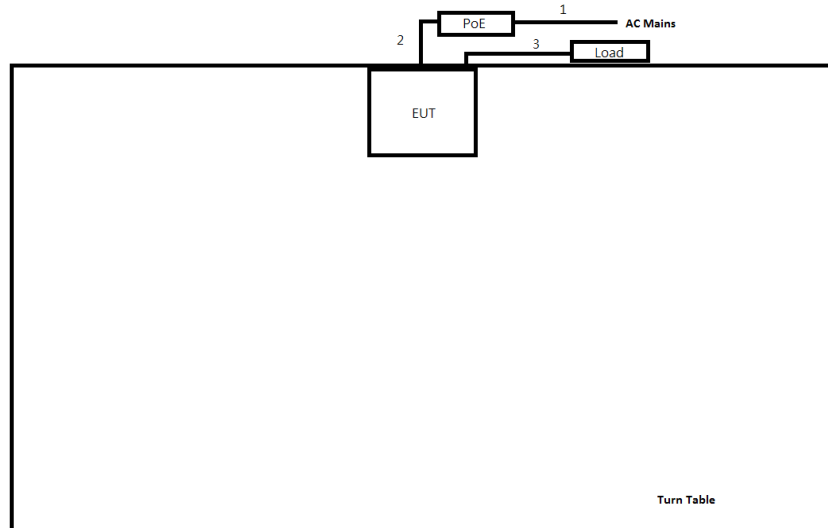
Item	Connection	Shielded	Length(m)	Remark
1	LAN cable	No	1.0	-
2	AC Power line	No	1.8	-

Test Setup Diagram – AC Line Conducted Emission Test - RX


Item	Connection	Shielded	Length(m)	Remark
1	LAN cable	No	1.0	-
2	LAN cable	No	1.0	-
3	AC Power line	No	1.8	-

Test Setup Diagram - Radiated Test - TX


Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.5	-
2	RJ45 cable	No	10.0	-

Test Setup Diagram - Radiated Test - RX


Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.5	-
2	RJ45 cable	No	10.0	-
3	RJ45 cable	No	1.5	-

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.

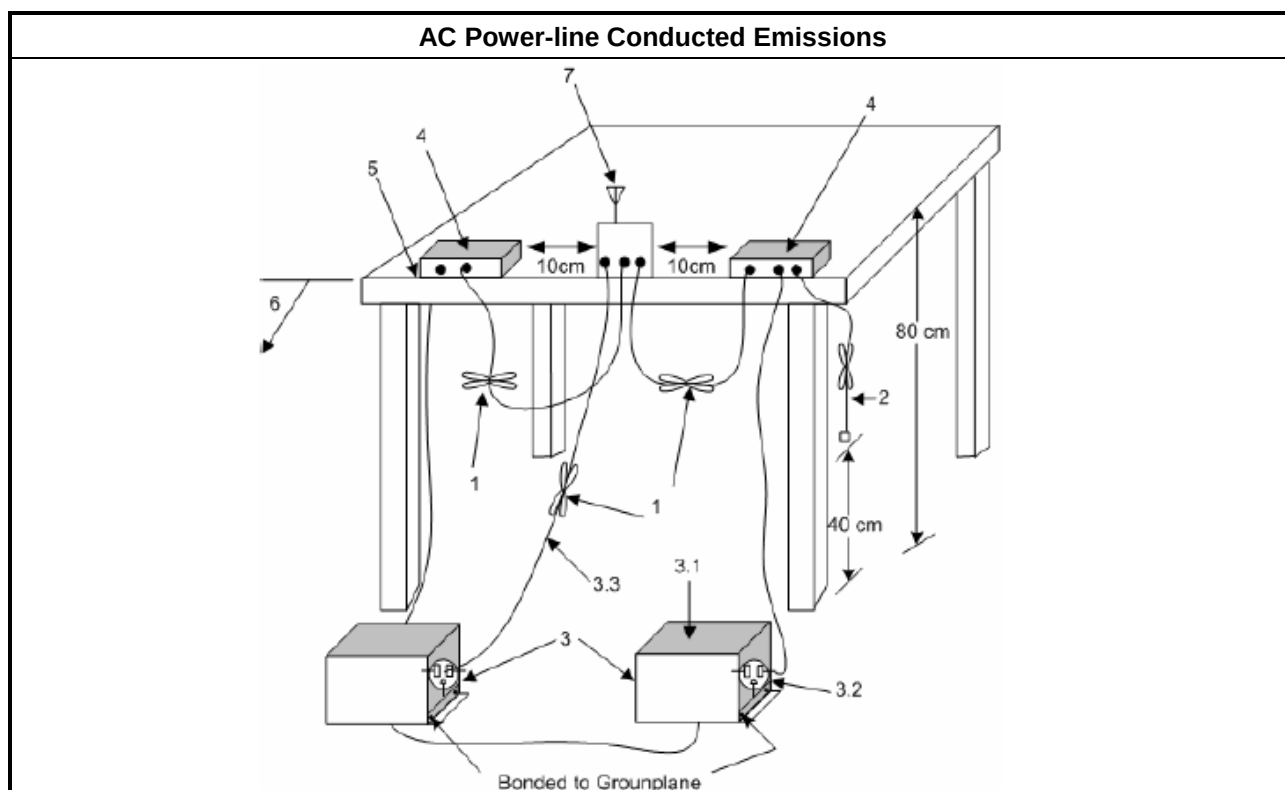
3.1.2 Measuring Instruments

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.

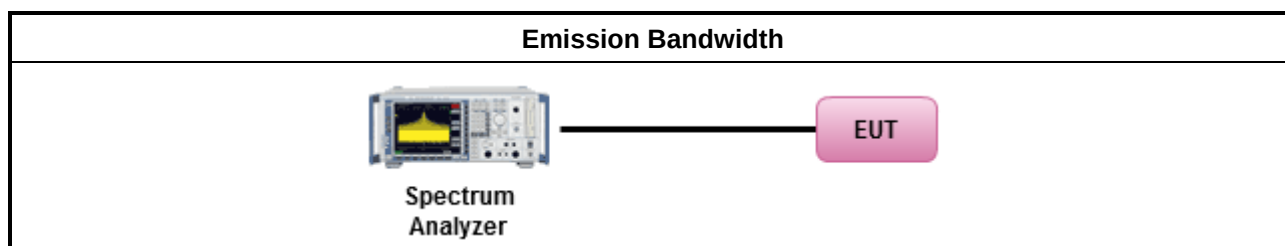
3.2.2 Measuring Instruments

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.		

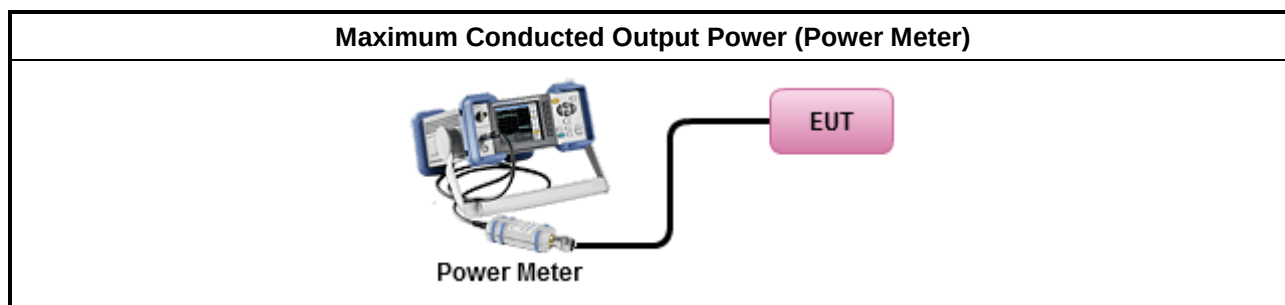
3.3.2 Measuring Instruments

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]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

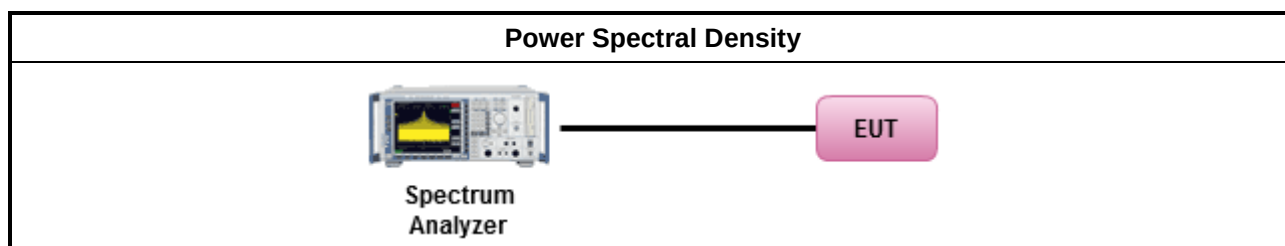
3.4.2 Measuring Instruments

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.	

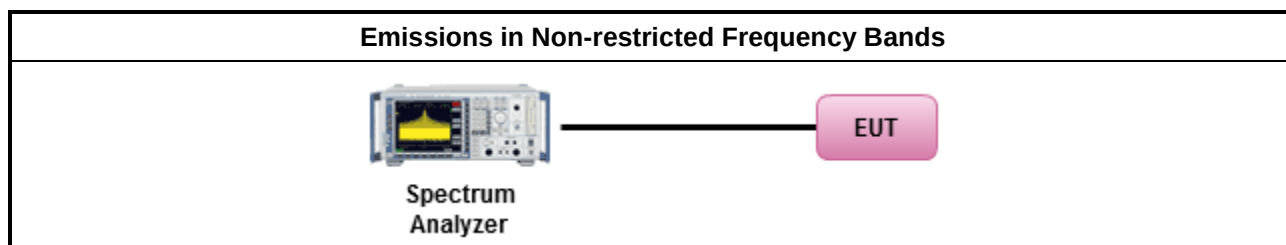
3.5.2 Measuring Instruments

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.

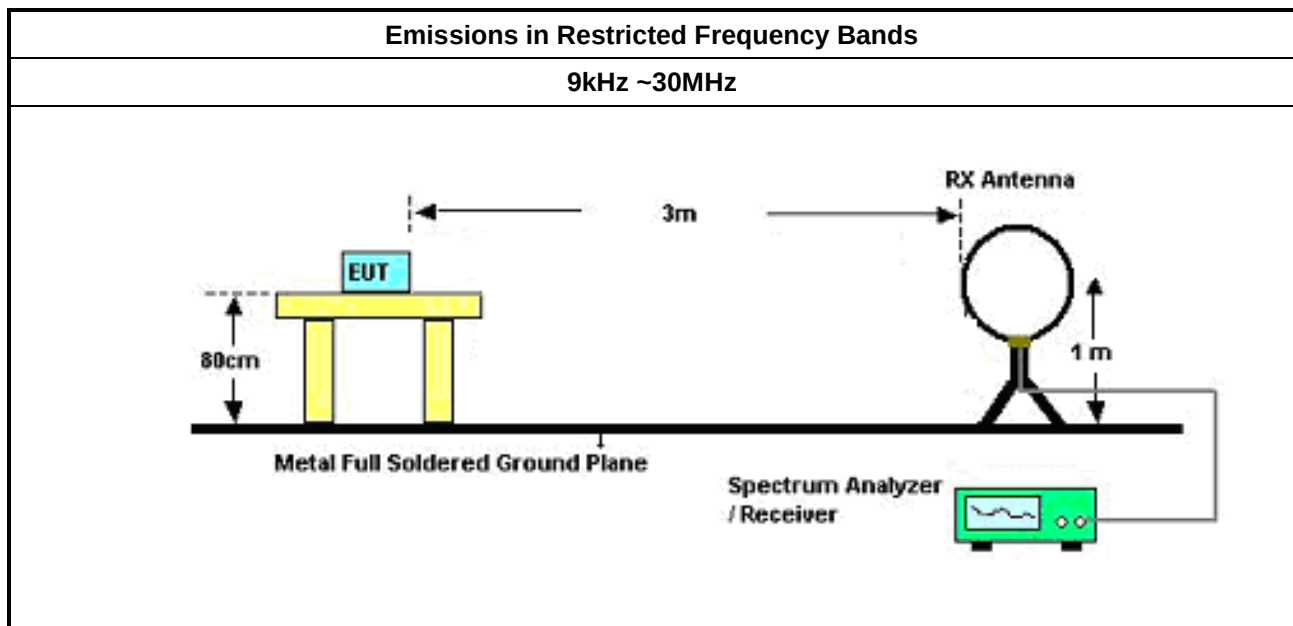
3.6.2 Measuring Instruments

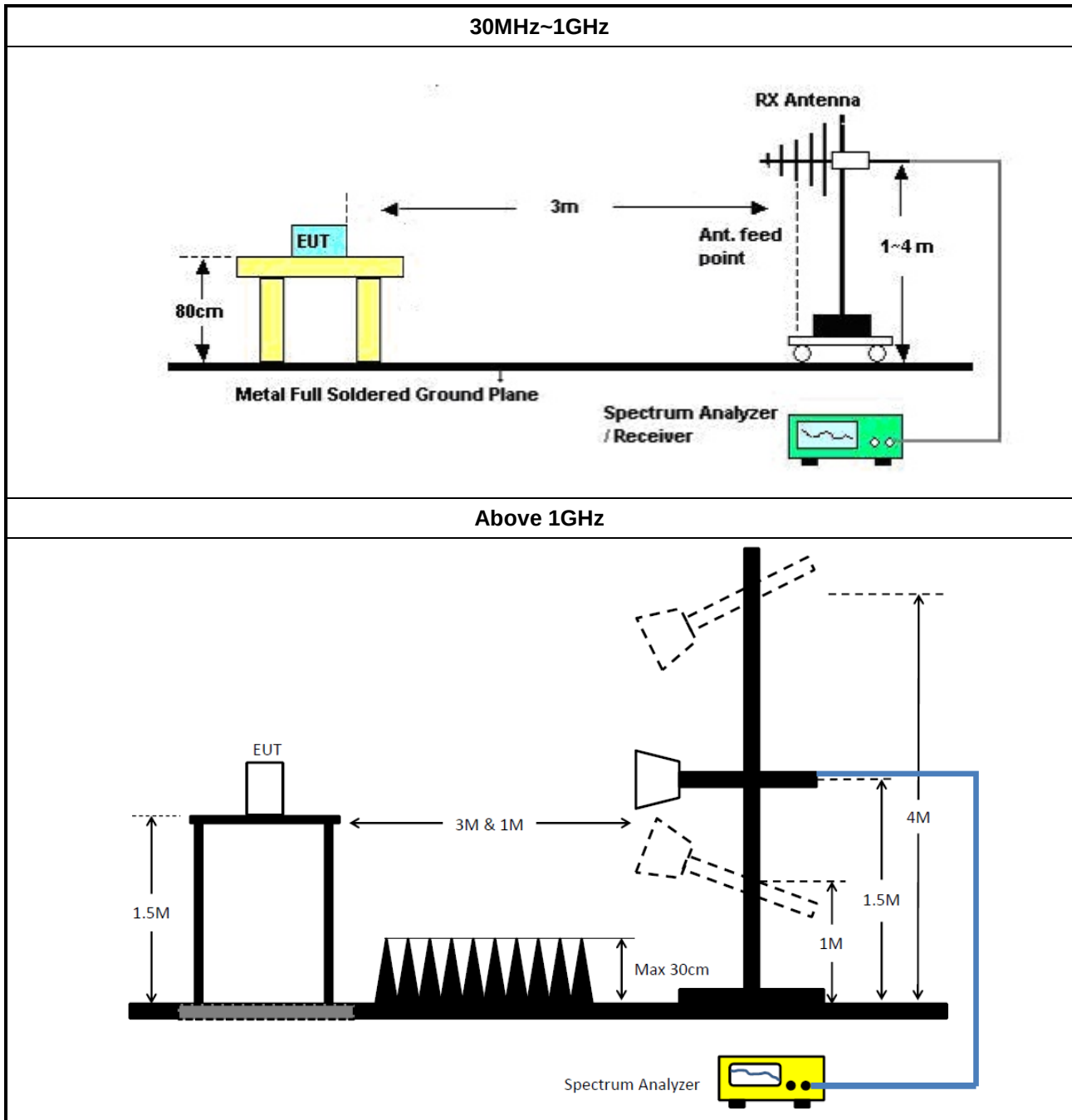
Refer a test equipment and calibration data table in this test report.

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.

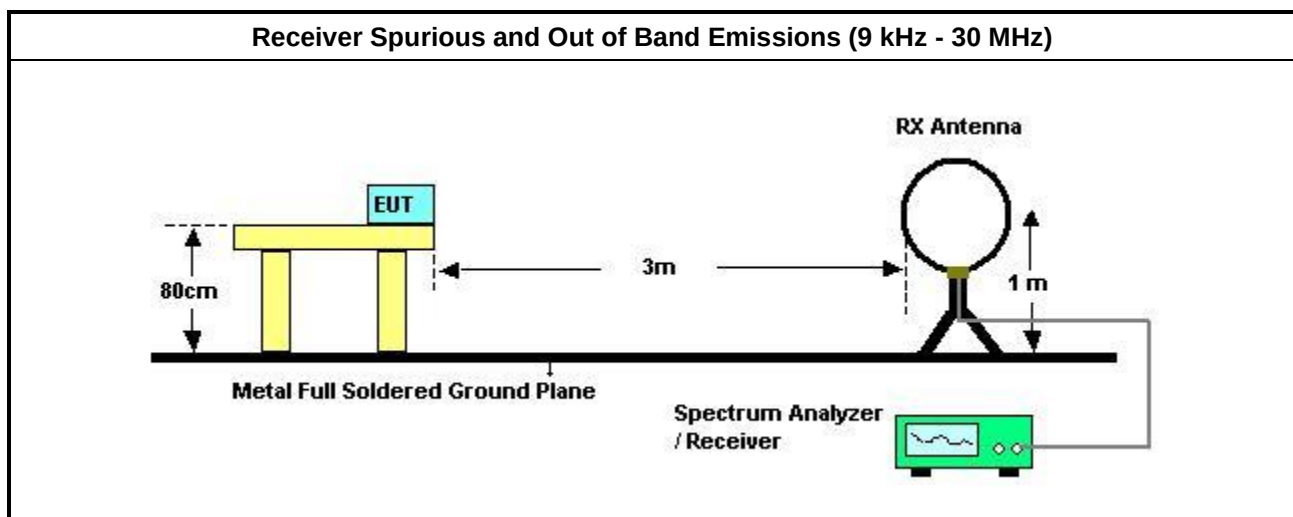
3.7.2 Measuring Instruments

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

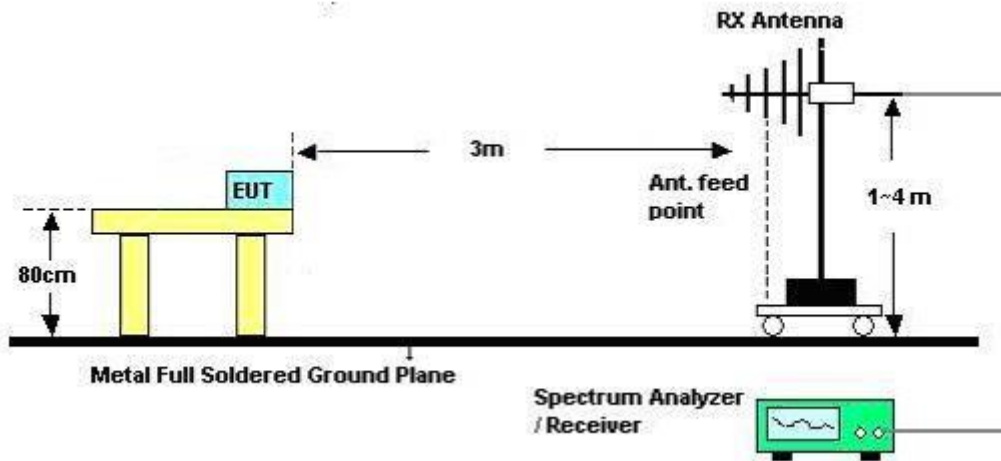
3.7.3 Test Procedures

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.

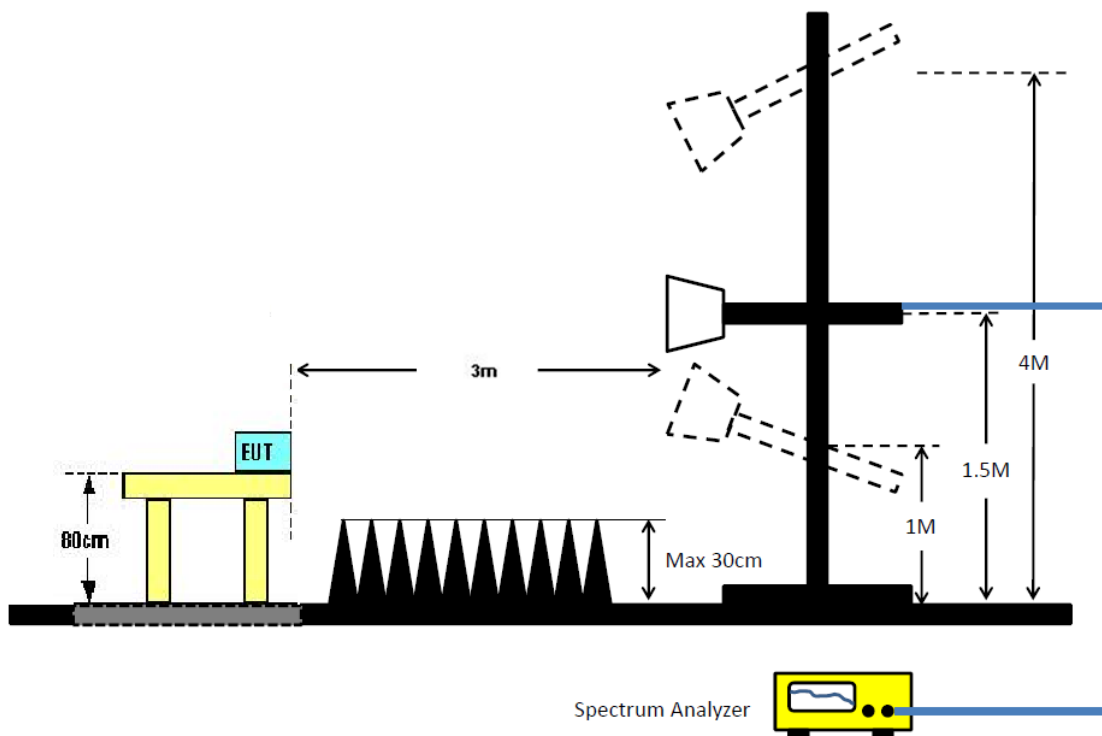
3.7.4 Test Setup



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 Puls e Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2018	11/Oct/2019

NCR : Non-Calibration Require

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101500	10Hz~40GHz	18/Jul/2018	17/Jul/2019
Power Sensor	Anritsu	MA2411B	1027452	300MHz ~ 40GHz	27/Feb/2018	26/Feb/2019
Power Meter	Anritsu	ML2495A	1124009	300MHz ~ 40GHz	27/Feb/2018	26/Feb/2019
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	30MHz ~18G	10/Jan/2019	09/Jan/2020
Cable 0.2m	HUBER	MY10711/4	RF Cable - 02	30MHz ~18G	10/Jan/2019	09/Jan/2020
Cable 0.5m	HUBER	MY39470/4	RF Cable - 29	30MHz ~18G	10/Jan/2019	09/Jan/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020

Instrument for Radiated Test

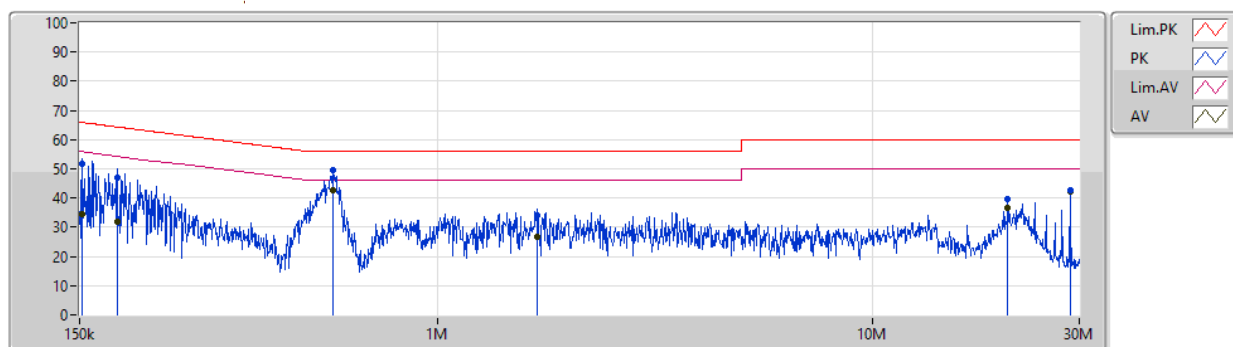
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz	23/Apr/2018	22/Apr/2019
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	14/Jun/2018	13/Jun/2019
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	10/May/2018	09/May/2019
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	27/Apr/2018	26/Apr/2019
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	10/Apr/2018	09/Apr/2019
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	31/Jul/2018	30/Jul/2019
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D & MTJ6102-05	35418 / 3	30MHz~1GHz	02/Oct/2018	03/Oct/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	30/Apr/2018	29/Apr/2019
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	12/Mar/2018	11/Mar/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	29/Mar/2018	28/Mar/2019
RF Cable-R03m	Jye Bao	RG142	CB031	9kHz ~ 1GHz	15/Feb/2019	14/Feb/2020
RF Cable-high	HUBER+SUHNER	SUCOFLEX104	SN 556626/4 + 556627	1GHz ~ 40GHz	14/Mar/2018	13/Mar/2019
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	15/Feb/2019	14/Feb/2020

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	PoE mode - TX		

AC Conduction

14/02/2019



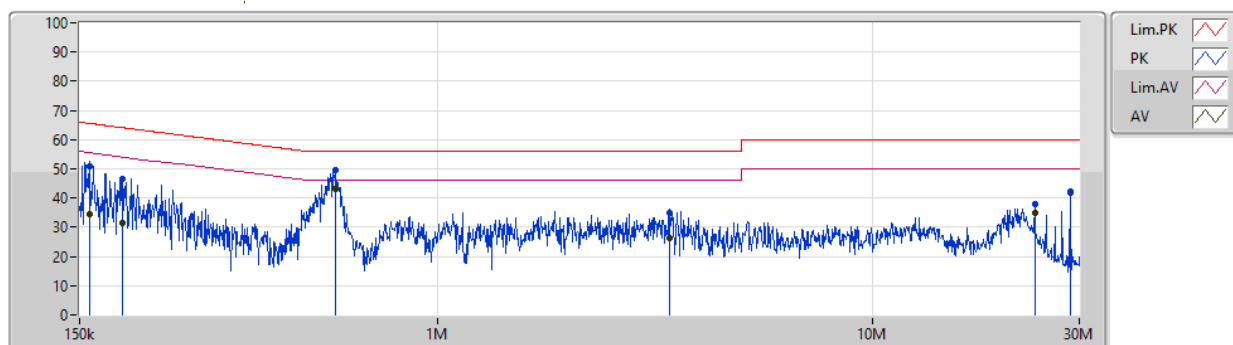
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	152.414k	51.57	65.87	-14.30	19.48	Neutral	-	32.09	9.60	0.01	9.87			
AV	152.414k	34.31	55.87	-21.56	19.48	Neutral	-	14.83	9.60	0.01	9.87			
QP	183.137k	46.97	64.34	-17.37	19.47	Neutral	-	27.50	9.59	0.01	9.87			
AV	183.137k	32.07	54.34	-22.27	19.47	Neutral	-	12.60	9.59	0.01	9.87			
QP	575.907k	49.69	56.00	-6.31	19.48	Neutral	-	30.21	9.59	0.01	9.88			
AV	575.907k	42.84	46.00	-3.16	19.48	Neutral	"Worst"	23.36	9.59	0.01	9.88			
QP	1.699M	34.10	56.00	-21.90	19.53	Neutral	-	14.57	9.61	0.03	9.89			
AV	1.699M	26.53	46.00	-19.47	19.53	Neutral	-	7.00	9.61	0.03	9.89			
QP	20.513M	39.77	60.00	-20.23	19.69	Neutral	-	20.08	9.68	0.11	9.90			
AV	20.513M	36.46	50.00	-13.54	19.69	Neutral	-	16.77	9.68	0.11	9.90			
QP	28.571M	42.69	60.00	-17.31	19.70	Neutral	-	22.99	9.67	0.13	9.90			
AV	28.571M	42.07	50.00	-7.93	19.70	Neutral	-	22.37	9.67	0.13	9.90			

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	PoE mode - TX		

AC Conduction

14/02/2019



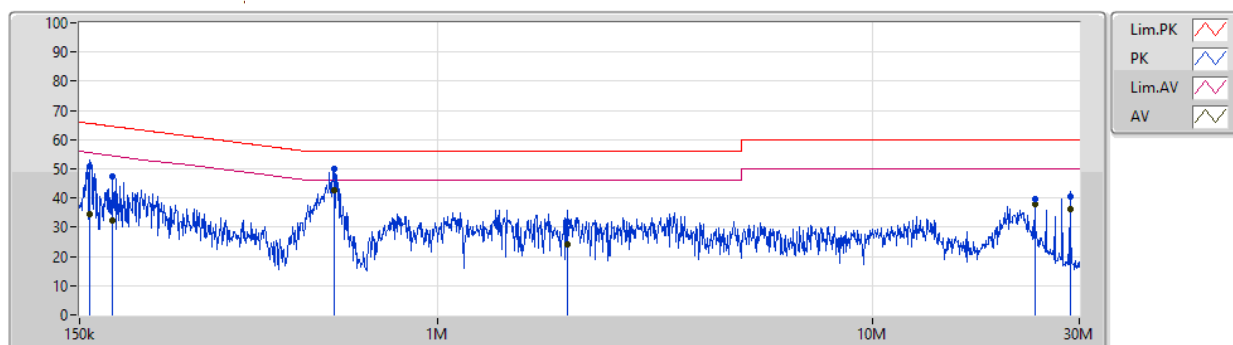
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	157.99k	50.79	65.56	-14.77	19.48	Line	-	31.31	9.60	0.01	9.87			
AV	157.99k	34.57	55.56	-20.99	19.48	Line	-	15.09	9.60	0.01	9.87			
QP	188.327k	46.48	64.11	-17.63	19.48	Line	-	27.00	9.60	0.01	9.87			
AV	188.327k	31.68	54.11	-22.43	19.48	Line	-	12.20	9.60	0.01	9.87			
QP	580.524k	49.57	56.00	-6.43	19.48	Line	-	30.09	9.59	0.01	9.88			
AV	580.524k	42.98	46.00	-3.02	19.48	Line	"Worst"	23.50	9.59	0.01	9.88			
QP	3.43M	34.92	56.00	-21.08	19.56	Line	-	15.36	9.63	0.04	9.89			
AV	3.43M	26.35	46.00	-19.65	19.56	Line	-	6.79	9.63	0.04	9.89			
QP	23.683M	38.14	60.00	-21.86	19.61	Line	-	18.53	9.59	0.12	9.90			
AV	23.683M	34.98	50.00	-15.02	19.61	Line	-	15.37	9.59	0.12	9.90			
QP	28.571M	42.14	60.00	-17.86	19.57	Line	-	22.57	9.54	0.13	9.90			
AV	28.571M	41.70	50.00	-8.30	19.57	Line	-	22.13	9.54	0.13	9.90			

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	PoE mode - RX		

AC Conduction

14/02/2019



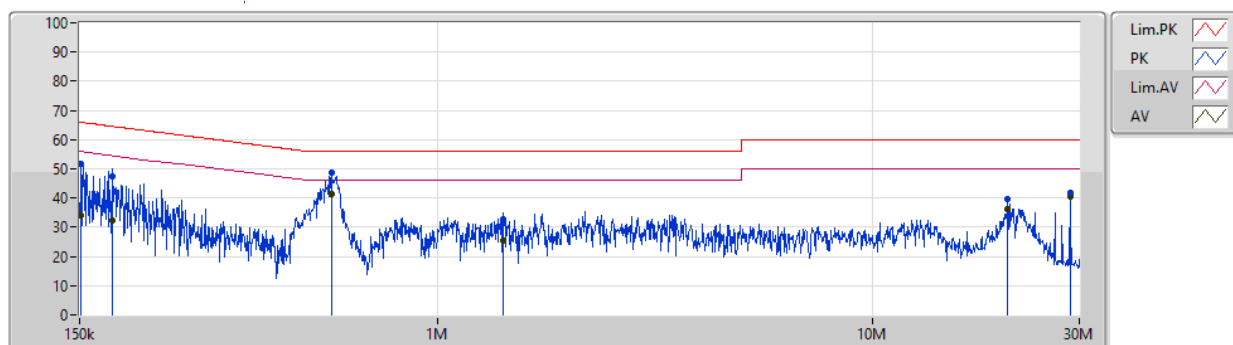
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	157.99k	50.69	65.56	-14.87	19.48	Neutral	-	31.21	9.60	0.01	9.87			
AV	157.99k	34.63	55.56	-20.93	19.48	Neutral	-	15.15	9.60	0.01	9.87			
QP	178.803k	47.35	64.55	-17.20	19.47	Neutral	-	27.88	9.59	0.01	9.87			
AV	178.803k	32.45	54.55	-22.10	19.47	Neutral	-	12.98	9.59	0.01	9.87			
QP	578.211k	49.83	56.00	-6.17	19.48	Neutral	-	30.35	9.59	0.01	9.88			
AV	578.211k	42.74	46.00	-3.26	19.48	Neutral	"Worst"	23.26	9.59	0.01	9.88			
QP	1.985M	31.88	56.00	-24.12	19.53	Neutral	-	12.35	9.61	0.03	9.89			
AV	1.985M	24.31	46.00	-21.69	19.53	Neutral	-	4.78	9.61	0.03	9.89			
QP	23.683M	39.71	60.00	-20.29	19.70	Neutral	-	20.01	9.68	0.12	9.90			
AV	23.683M	37.96	50.00	-12.04	19.70	Neutral	-	18.26	9.68	0.12	9.90			
QP	28.571M	40.61	60.00	-19.39	19.70	Neutral	-	20.91	9.67	0.13	9.90			
AV	28.571M	36.38	50.00	-13.62	19.70	Neutral	-	16.68	9.67	0.13	9.90			

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	PoE mode - RX		

AC Conduction

14/02/2019



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	151.202k	51.76	65.92	-14.16	19.48	Line	-	32.28	9.60	0.01	9.87			
AV	151.202k	33.99	55.92	-21.93	19.48	Line	-	14.51	9.60	0.01	9.87			
QP	178.091k	47.59	64.57	-16.98	19.48	Line	-	28.11	9.60	0.01	9.87			
AV	178.091k	32.34	54.57	-22.23	19.48	Line	-	12.86	9.60	0.01	9.87			
QP	569.051k	48.70	56.00	-7.30	19.48	Line	-	29.22	9.59	0.01	9.88			
AV	569.051k	41.59	46.00	-4.41	19.48	Line	"Worst"	22.11	9.59	0.01	9.88			
QP	1.42M	32.73	56.00	-23.27	19.53	Line	-	13.20	9.61	0.03	9.89			
AV	1.42M	25.58	46.00	-20.42	19.53	Line	-	6.05	9.61	0.03	9.89			
QP	20.513M	39.78	60.00	-20.22	19.63	Line	-	20.15	9.62	0.11	9.90			
AV	20.513M	36.27	50.00	-13.73	19.63	Line	-	16.64	9.62	0.11	9.90			
QP	28.571M	41.88	60.00	-18.12	19.57	Line	-	22.31	9.54	0.13	9.90			
AV	28.571M	40.69	50.00	-9.31	19.57	Line	-	21.12	9.54	0.13	9.90			

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)_2TX	7.125M	11.994M	12M0G1D	5.95M	11.544M
802.11g_Nss1,(6Mbps)_2TX	16.075M	21.914M	21M9D1D	15.025M	16.192M
802.11n HT20_Nss1,(MCS0)_2TX	17.5M	27.861M	27M9D1D	15.55M	17.316M
802.11n HT40_Nss1,(MCS0)_2TX	33.1M	35.932M	35M9D1D	28.35M	35.582M

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

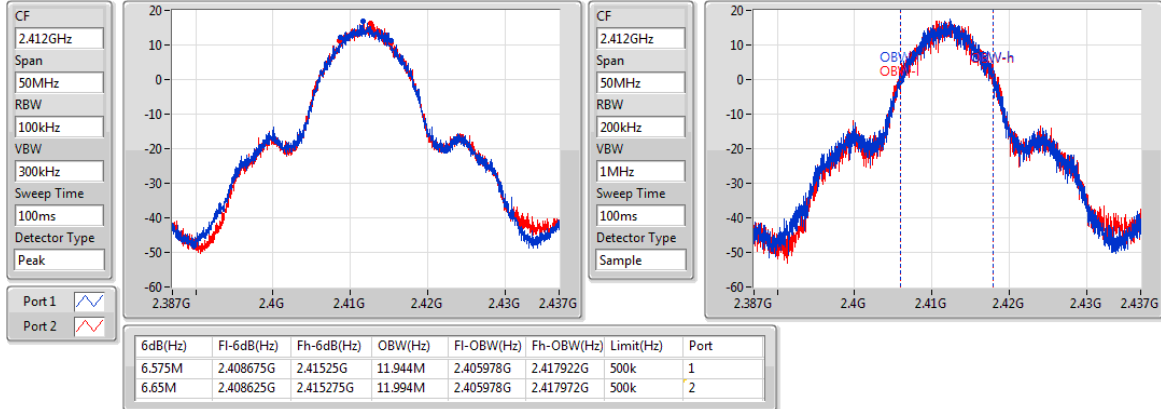
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	6.575M	11.944M	6.65M	11.994M
2437MHz	Pass	500k	5.95M	11.594M	6.925M	11.544M
2462MHz	Pass	500k	7.125M	11.794M	5.975M	11.769M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.675M	16.242M	15.65M	16.242M
2437MHz	Pass	500k	16.075M	21.914M	16.05M	21.414M
2462MHz	Pass	500k	15.025M	16.192M	15.275M	16.192M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.875M	17.441M	16.8M	17.391M
2437MHz	Pass	500k	17.5M	27.861M	17.25M	26.837M
2462MHz	Pass	500k	15.9M	17.341M	15.55M	17.316M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	31.3M	35.732M	30.9M	35.582M
2437MHz	Pass	500k	30.2M	35.932M	28.35M	35.832M
2452MHz	Pass	500k	33.1M	35.732M	32.3M	35.882M

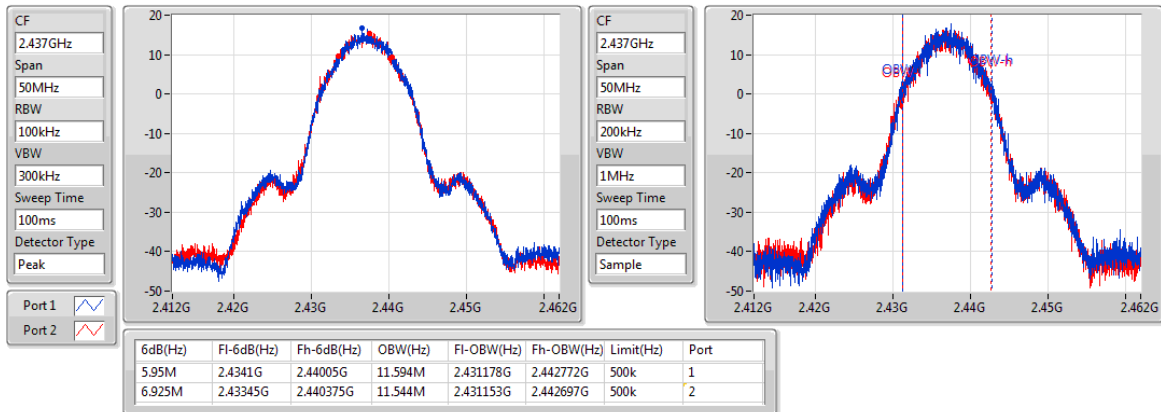
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_2TX
EBW
2412MHz

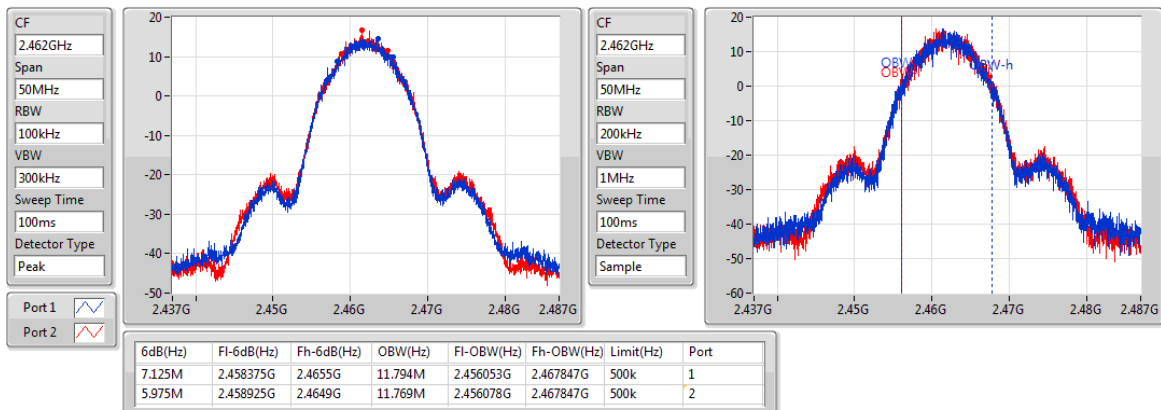
13/02/2019


802.11b_Nss1,(1Mbps)_2TX
EBW
2437MHz

13/02/2019

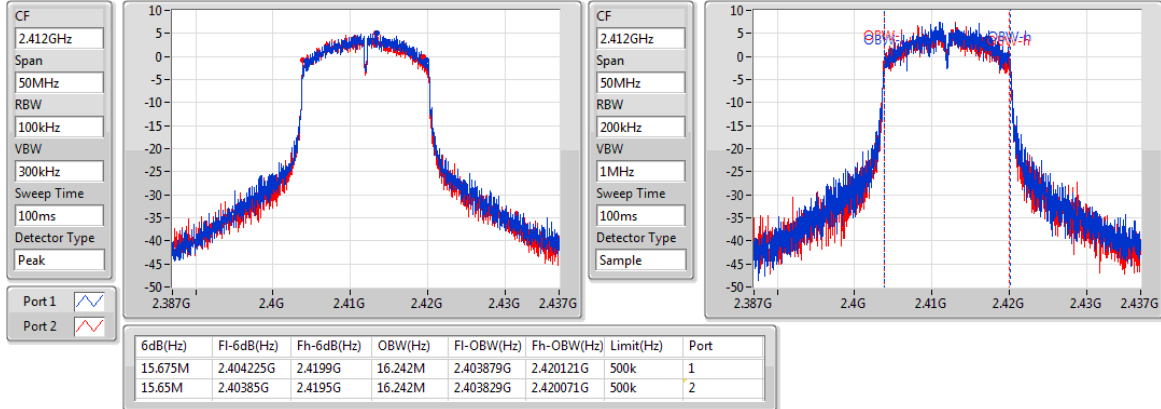

802.11b_Nss1,(1Mbps)_2TX
EBW
2462MHz

13/02/2019

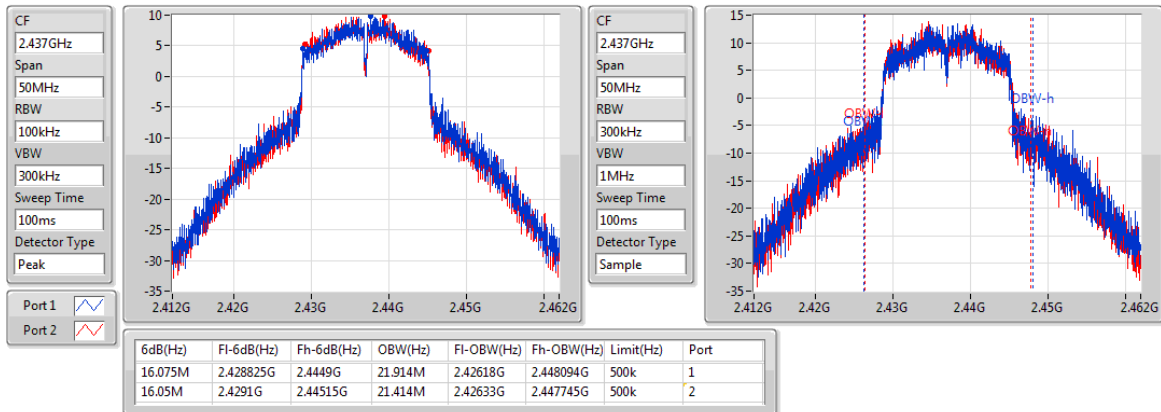


802.11g_Nss1,(6Mbps)_2TX
EBW
2412MHz

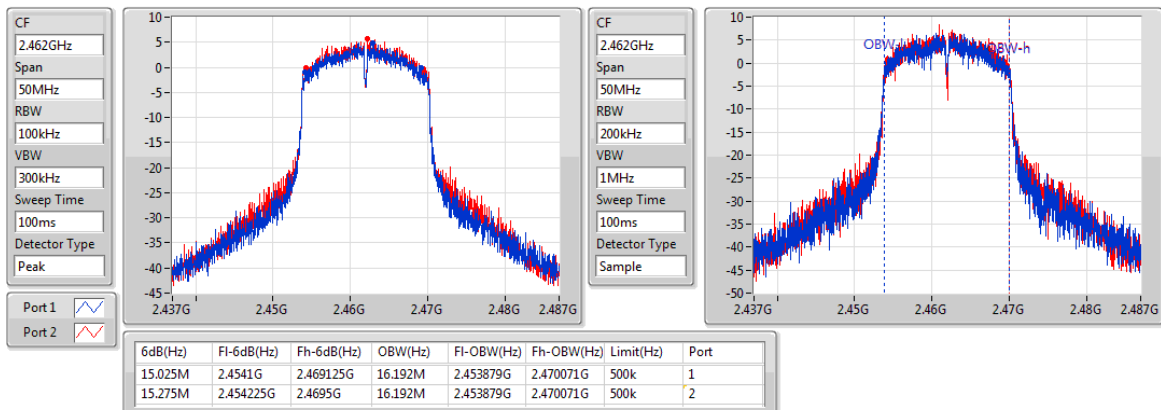
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802.11g_Nss1,(6Mbps)_2TX
EBW
2437MHz

13/02/2019

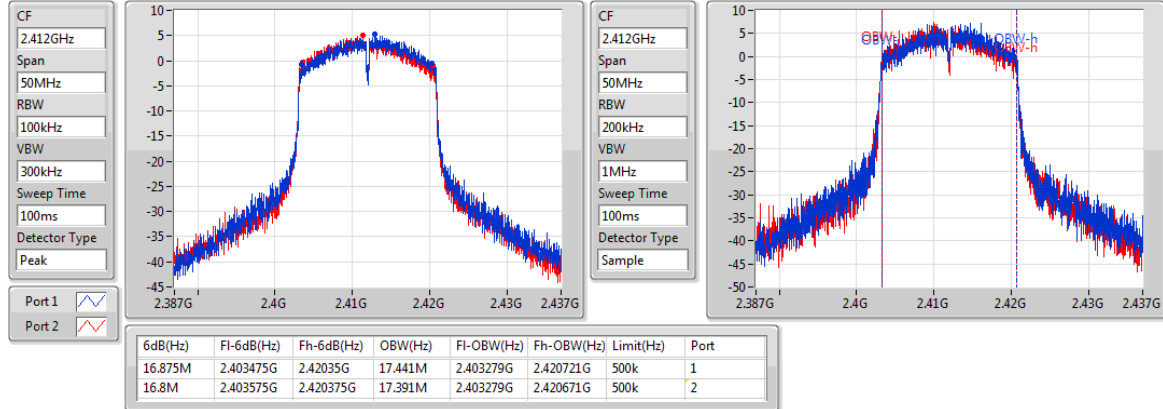

802.11g_Nss1,(6Mbps)_2TX
EBW
2462MHz

13/02/2019

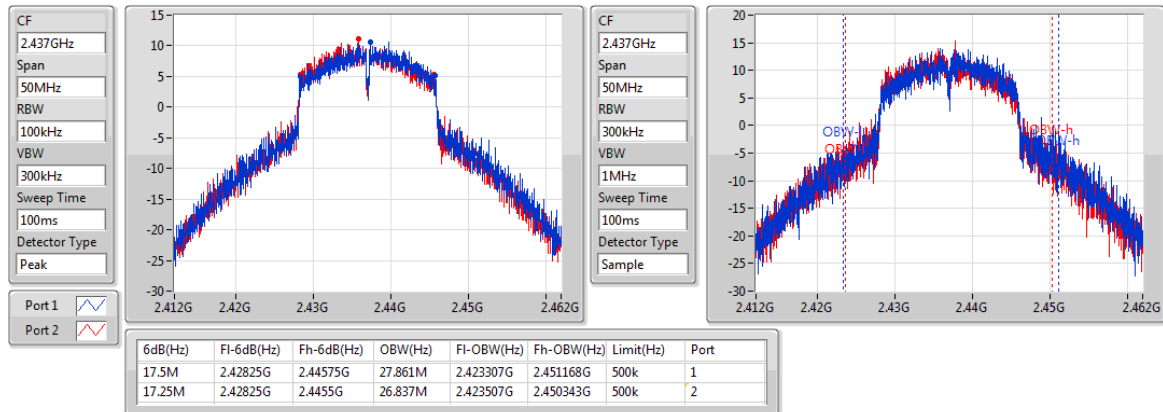


802.11n HT20_Nss1,(MCS0)_2TX
EBW
2412MHz

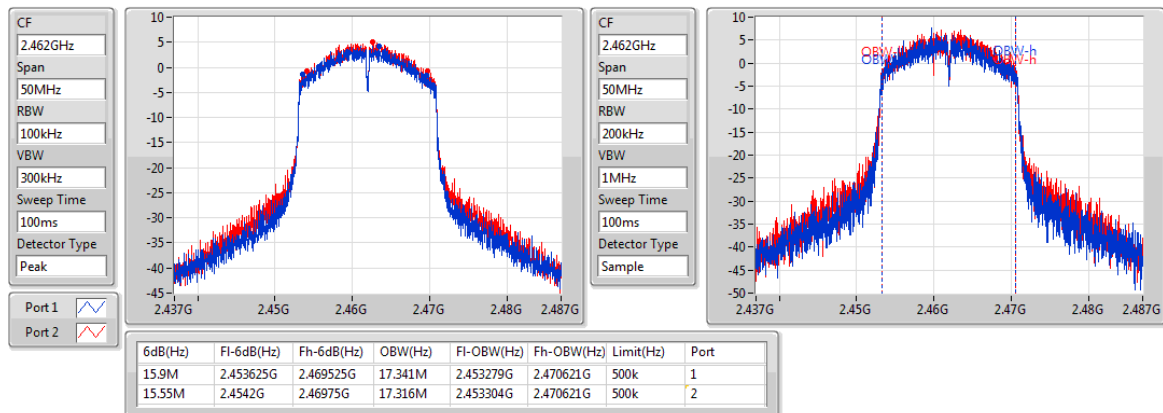
13/02/2019


802.11n HT20_Nss1,(MCS0)_2TX
EBW
2437MHz

13/02/2019

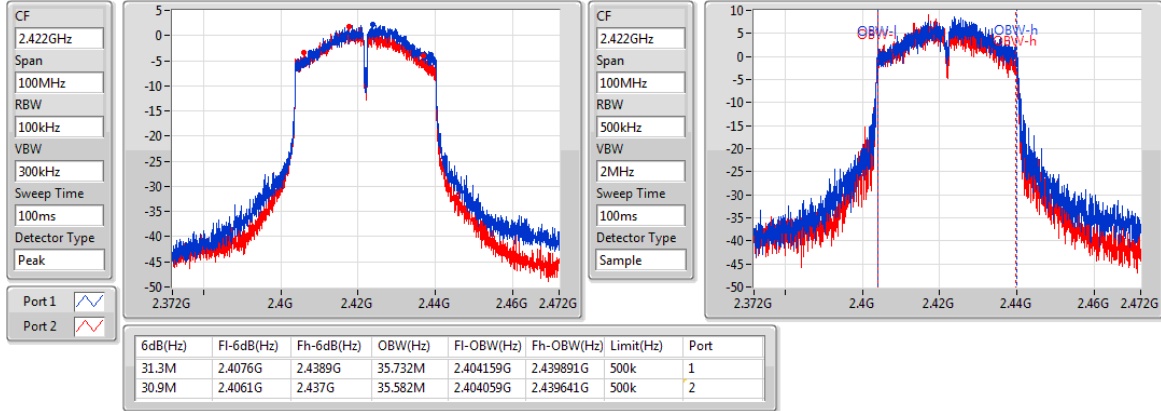

802.11n HT20_Nss1,(MCS0)_2TX
EBW
2462MHz

13/02/2019

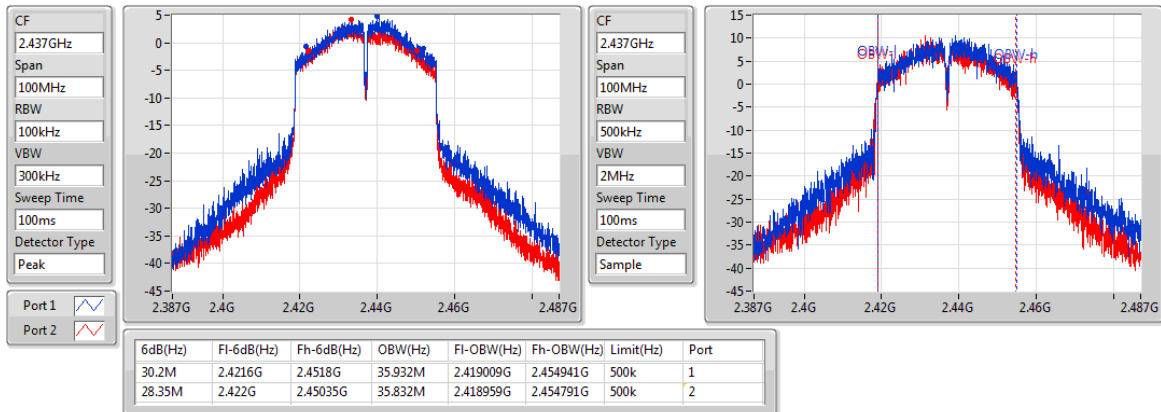


802.11n HT40_Nss1,(MCS0)_2TX
EBW
2422MHz

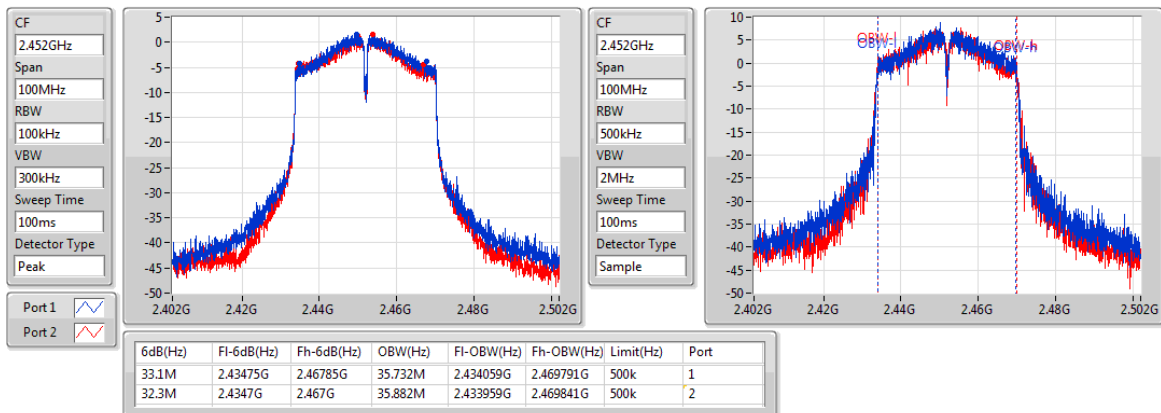
13/02/2019


802.11n HT40_Nss1,(MCS0)_2TX
EBW
2437MHz

13/02/2019


802.11n HT40_Nss1,(MCS0)_2TX
EBW
2452MHz

13/02/2019



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	20.96	0.12474
802.11g_Nss1,(6Mbps)_2TX	20.99	0.12560
802.11n HT20_Nss1,(MCS0)_2TX	20.83	0.12106
802.11n HT40_Nss1,(MCS0)_2TX	20.94	0.12417

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.00	17.97	17.92	20.96	30.00
2417MHz						
2437MHz	Pass	1.00	17.90	17.87	20.90	30.00
2457MHz						
2462MHz	Pass	1.00	17.88	17.84	20.87	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.00	17.94	17.67	20.82	30.00
2417MHz	Pass	1.00	17.88	17.81	20.86	30.00
2437MHz	Pass	1.00	18.01	17.95	20.99	30.00
2457MHz	Pass	1.00	17.71	17.88	20.81	30.00
2462MHz	Pass	1.00	17.89	17.66	20.79	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.00	17.86	17.51	20.70	30.00
2417MHz	Pass	1.00	17.76	17.66	20.72	30.00
2437MHz	Pass	1.00	17.83	17.81	20.83	30.00
2457MHz	Pass	1.00	17.87	17.63	20.76	30.00
2462MHz	Pass	1.00	17.84	17.59	20.73	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	1.00	17.93	17.66	20.81	30.00
2427MHz	Pass	1.00	17.95	17.76	20.87	30.00
2437MHz	Pass	1.00	17.86	18.00	20.94	30.00
2447MHz	Pass	1.00	17.89	17.76	20.84	30.00
2452MHz	Pass	1.00	18.08	17.58	20.85	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)_2TX	2.46
802.11g_Nss1,(6Mbps)_2TX	-0.70
802.11n HT20_Nss1,(MCS0)_2TX	-0.62
802.11n HT40_Nss1,(MCS0)_2TX	-5.59

RBW=3kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.01	1.16	0.61	2.27	8.00
2437MHz	Pass	4.01	0.51	1.47	2.46	8.00
2462MHz	Pass	4.01	0.51	0.46	1.56	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.01	-6.99	-7.31	-5.87	8.00
2437MHz	Pass	4.01	-2.82	-2.21	-0.70	8.00
2462MHz	Pass	4.01	-7.37	-7.86	-5.54	8.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.01	-7.82	-6.55	-5.99	8.00
2437MHz	Pass	4.01	-2.11	-2.00	-0.62	8.00
2462MHz	Pass	4.01	-7.20	-6.35	-4.08	8.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.01	-8.94	-9.15	-8.11	8.00
2437MHz	Pass	4.01	-6.58	-7.53	-5.59	8.00
2452MHz	Pass	4.01	-9.96	-10.50	-8.36	8.00

DG = Directional Gain; RBW=3kHz;

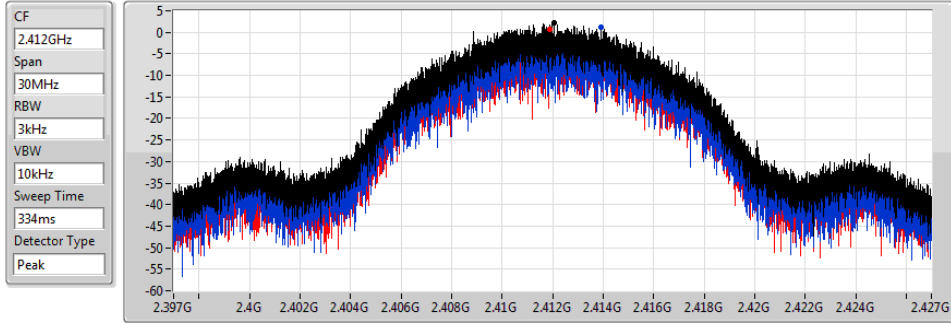
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11b_Nss1,(1Mbps)_2TX

PSD

2412MHz

13/02/2019



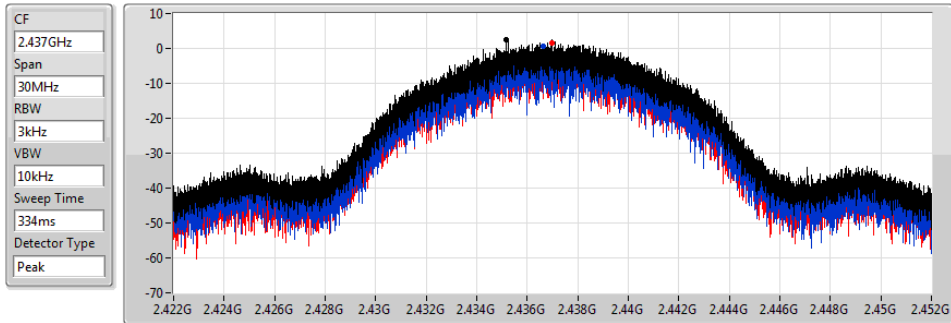
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.27	2.27	1.16	0.61

802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

13/02/2019



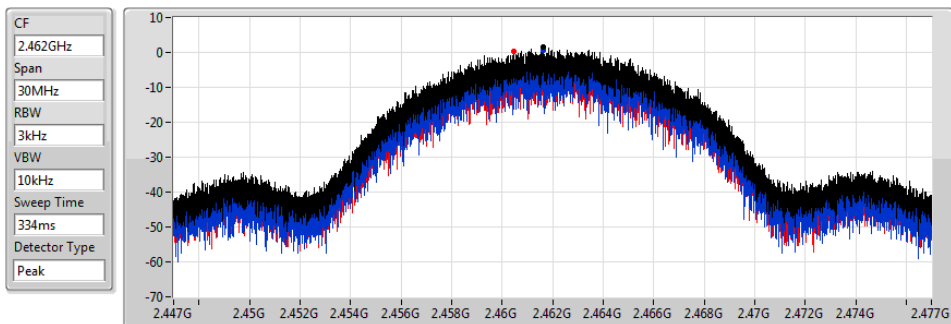
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.46	2.46	0.51	1.47

802.11b_Nss1,(1Mbps)_2TX

PSD

2462MHz

13/02/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.56	1.56	0.51	0.46

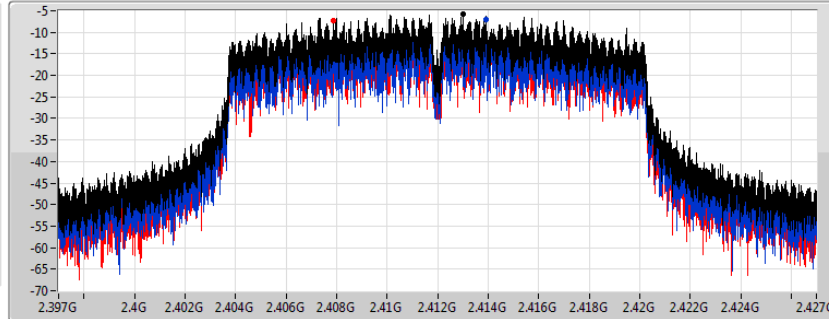
802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

13/02/2019

CF
2.412GHz
Span
30MHz
RBW
3kHz
VBW
10kHz
Sweep Time
334ms
Detector Type
Peak



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-5.87	-5.87	-6.99	-7.31

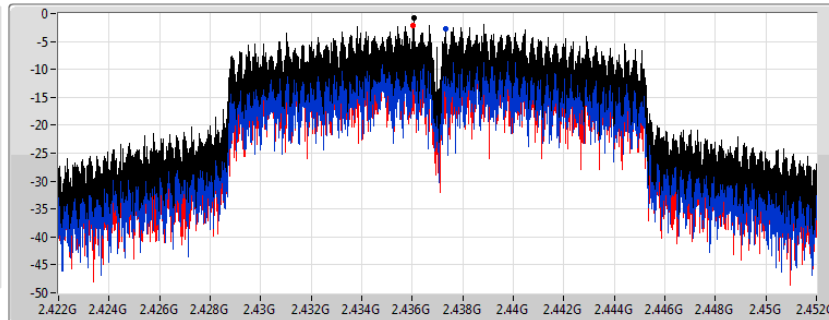
802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

13/02/2019

CF
2.437GHz
Span
30MHz
RBW
3kHz
VBW
10kHz
Sweep Time
334ms
Detector Type
Peak



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.70	-0.70	-2.82	-2.21

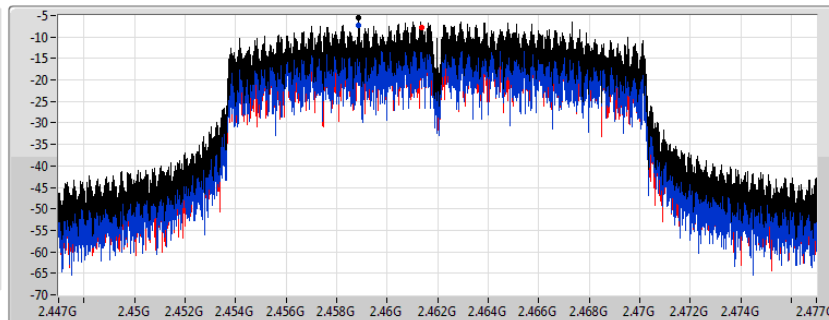
802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

13/02/2019

CF
2.462GHz
Span
30MHz
RBW
3kHz
VBW
10kHz
Sweep Time
334ms
Detector Type
Peak



Sum
Port 1
Port 2

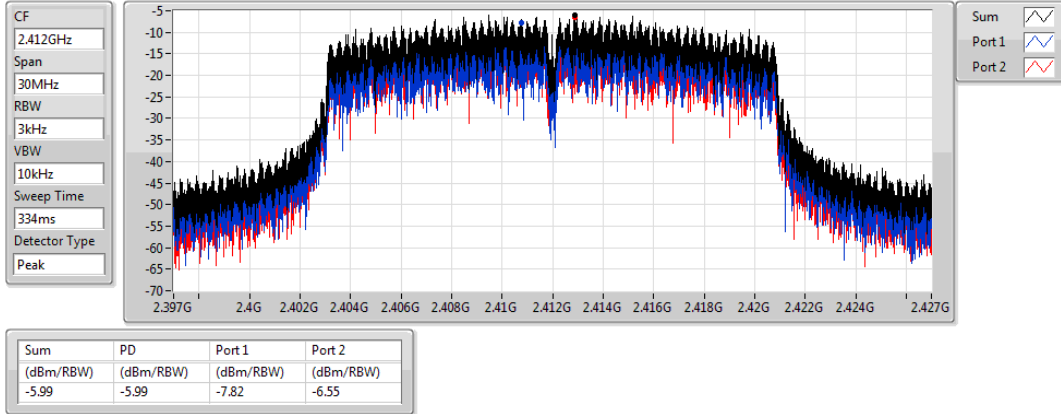
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-5.54	-5.54	-7.37	-7.86

802.11n HT20_Nss1,(MCS0)_2TX

PSD

2412MHz

13/02/2019

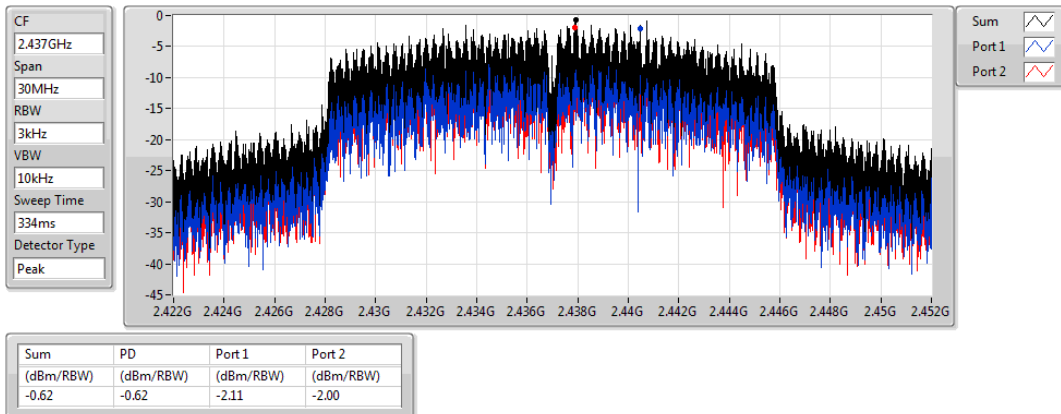


802.11n HT20_Nss1,(MCS0)_2TX

PSD

2437MHz

13/02/2019

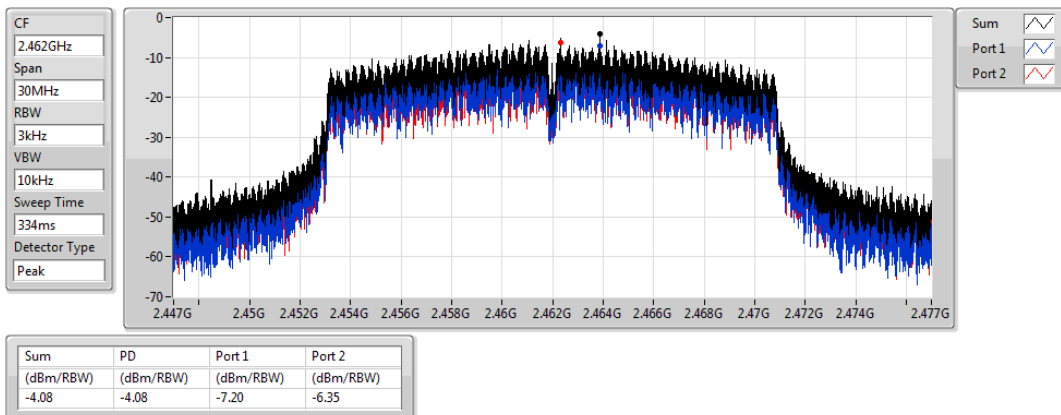


802.11n HT20_Nss1,(MCS0)_2TX

PSD

2462MHz

13/02/2019

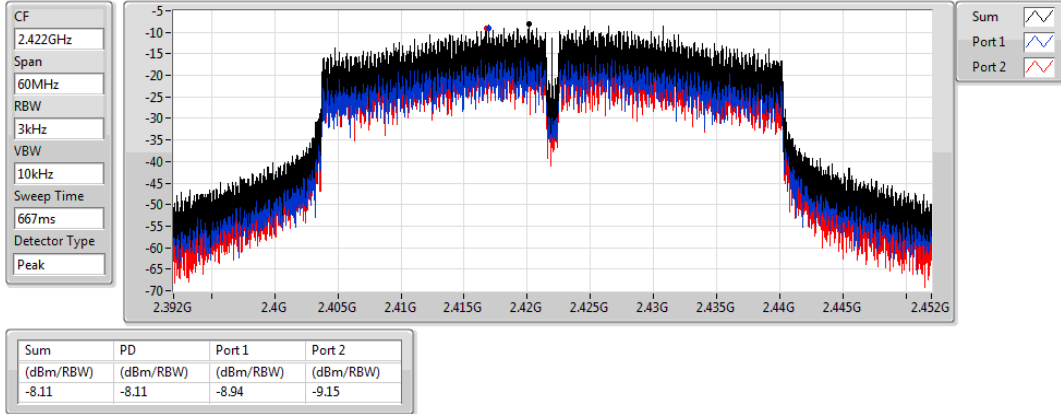


802.11n HT40_Nss1,(MCS0)_2TX

PSD

2422MHz

13/02/2019

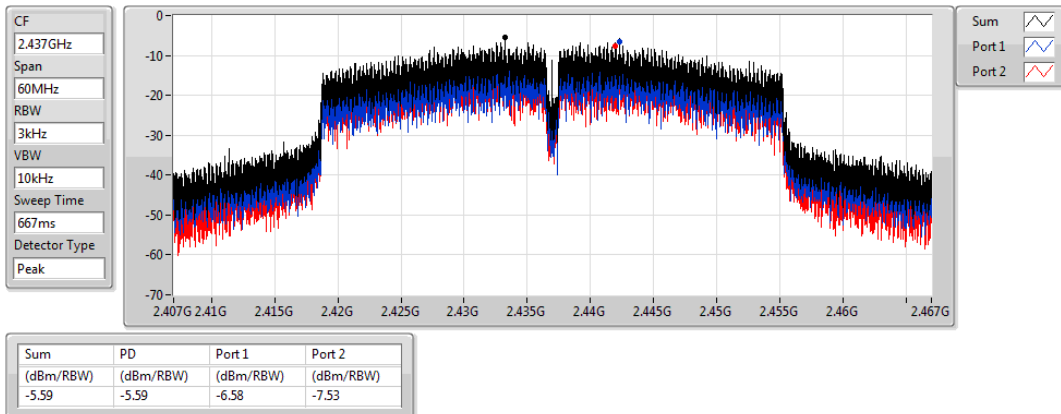


802.11n HT40_Nss1,(MCS0)_2TX

PSD

2437MHz

13/02/2019

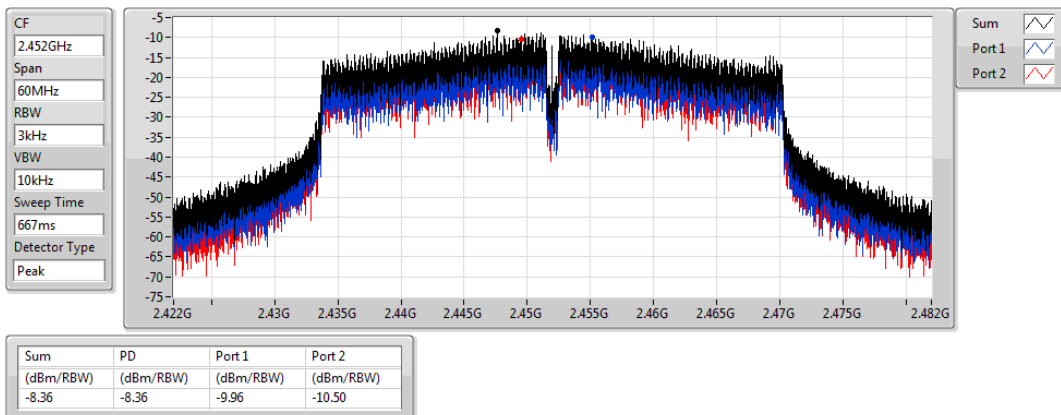


802.11n HT40_Nss1,(MCS0)_2TX

PSD

2452MHz

13/02/2019



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)_2TX	Pass	2.41261G	15.57	-14.43	2.30787G	-58.21	2.39996G	-15.32	2.48686G	-52.45	7.24076G	-43.08	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43887G	9.99	-20.01	2.30029G	-56.92	2.39984G	-23.49	2.4949G	-48.17	2.59936G	-49.30	1
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.44012G	9.87	-20.13	2.30699G	-57.80	2.39984G	-24.59	2.4952G	-50.05	2.59936G	-49.45	1
802.11n HT40_Nss1,(MCS0)_2TX	Pass	2.44238G	4.48	-25.52	2.30569G	-56.17	2.3998G	-27.07	2.4847G	-43.59	2.59996G	-49.06	1

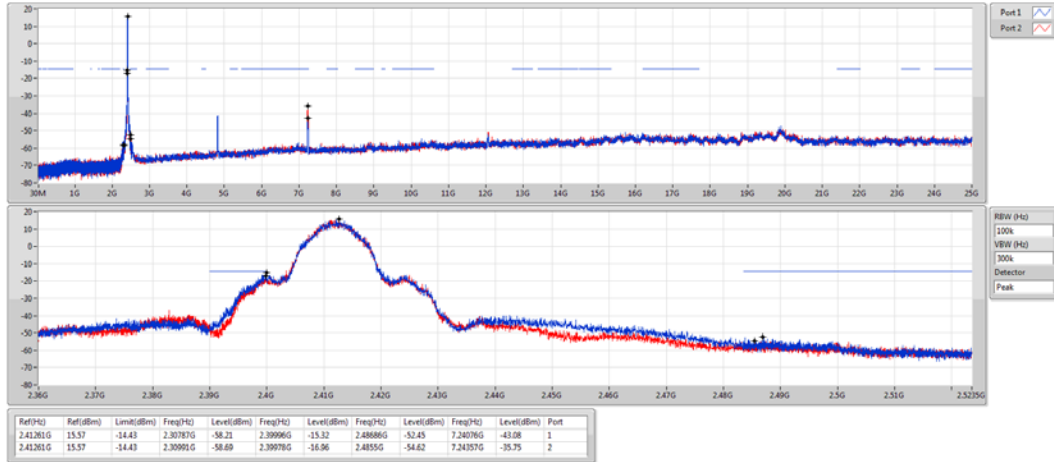
Result

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)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41261G	15.57	-14.43	2.30787G	-58.21	2.39996G	-15.32	2.48686G	-52.45	7.24076G	-43.08	1
2412MHz	Pass	2.41261G	15.57	-14.43	2.30991G	-58.69	2.39978G	-16.96	2.4855G	-54.62	7.24357G	-35.75	2
2437MHz	Pass	2.41261G	15.57	-14.43	2.3067G	-59.32	2.395G	-46.44	2.48496G	-48.54	17.53499G	-51.53	1
2437MHz	Pass	2.41261G	15.57	-14.43	2.30816G	-57.71	2.39882G	-40.39	2.4901G	-51.18	17.4788G	-50.87	2
2462MHz	Pass	2.41261G	15.57	-14.43	2.3G	-58.54	2.3984G	-50.55	2.4863G	-39.09	16.20888G	-51.95	1
2462MHz	Pass	2.41261G	15.57	-14.43	2.30874G	-58.39	2.39672G	-49.56	2.48396G	-42.21	16.20326G	-51.43	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43887G	9.99	-20.01	2.30029G	-56.92	2.39984G	-23.49	2.4949G	-48.17	2.59936G	-49.30	1
2412MHz	Pass	2.43887G	9.99	-20.01	2.30787G	-59.68	2.39948G	-25.52	2.49872G	-52.31	16.53479G	-50.75	2
2437MHz	Pass	2.43887G	9.99	-20.01	2.30728G	-54.59	2.39952G	-35.75	2.4861G	-36.77	16.66403G	-52.24	1
2437MHz	Pass	2.43887G	9.99	-20.01	2.30408G	-55.67	2.39948G	-34.78	2.4839G	-38.98	16.24821G	-51.45	2
2462MHz	Pass	2.43887G	9.99	-20.01	2.3G	-56.31	2.39868G	-49.46	2.48418G	-35.84	2.59936G	-50.26	1
2462MHz	Pass	2.43887G	9.99	-20.01	2.30379G	-61.64	2.3992G	-48.96	2.48354G	-36.83	17.63614G	-51.33	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44012G	9.87	-20.13	2.30699G	-57.80	2.39984G	-24.59	2.4952G	-50.05	2.59936G	-49.45	1
2412MHz	Pass	2.44012G	9.87	-20.13	2.30816G	-59.94	2.3995G	-26.62	2.50044G	-52.00	7.23514G	-50.33	2
2437MHz	Pass	2.44012G	9.87	-20.13	2.30583G	-52.88	2.3999G	-32.08	2.48444G	-34.16	2.5235G	-49.23	1
2437MHz	Pass	2.44012G	9.87	-20.13	2.30379G	-50.61	2.39922G	-31.22	2.48574G	-35.19	2.5235G	-45.92	2
2462MHz	Pass	2.44012G	9.87	-20.13	2.30029G	-55.41	2.39724G	-48.54	2.48446G	-37.20	2.59936G	-49.82	1
2462MHz	Pass	2.44012G	9.87	-20.13	2.30495G	-61.16	2.3967G	-49.09	2.48406G	-36.39	16.21731G	-50.81	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44238G	4.48	-25.52	2.30569G	-56.17	2.3998G	-27.07	2.4847G	-43.59	2.59996G	-49.06	1
2422MHz	Pass	2.44238G	4.48	-25.52	2.30569G	-59.65	2.39832G	-28.19	2.48762G	-47.83	16.31707G	-51.77	2
2437MHz	Pass	2.44238G	4.48	-25.52	2.30483G	-55.93	2.39944G	-30.28	2.4839G	-33.56	2.59996G	-49.93	1
2437MHz	Pass	2.44238G	4.48	-25.52	2.30798G	-59.01	2.3998G	-34.61	2.48382G	-36.08	16.89481G	-52.15	2
2452MHz	Pass	2.44238G	4.48	-25.52	2.30025G	-54.44	2.39704G	-42.47	2.48598G	-38.35	2.59996G	-48.37	1
2452MHz	Pass	2.44238G	4.48	-25.52	2.30683G	-59.84	2.39736G	-43.46	2.48354G	-38.67	17.43329G	-51.90	2

802.11b_Nss1,(1Mbps)_2TX

CSE NdB

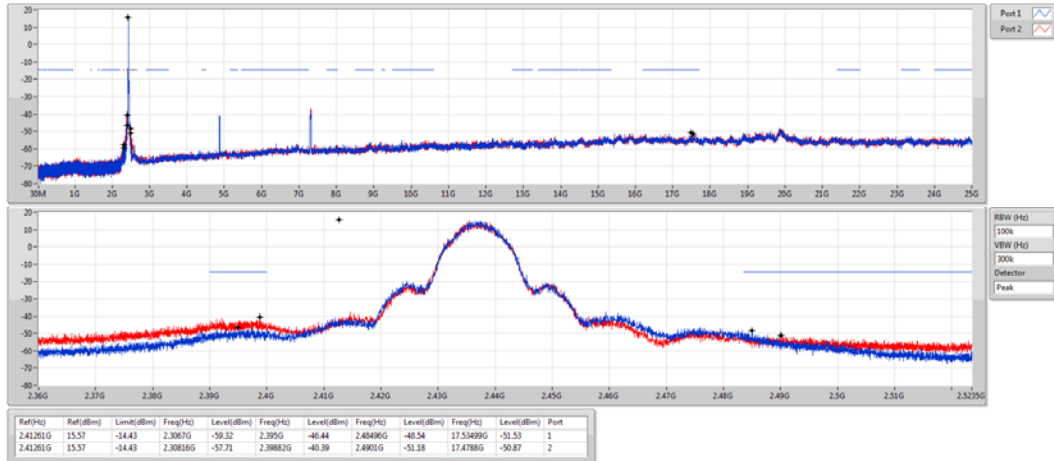
2412MHz



802.11b_Nss1,(1Mbps)_2TX

CSE NdB

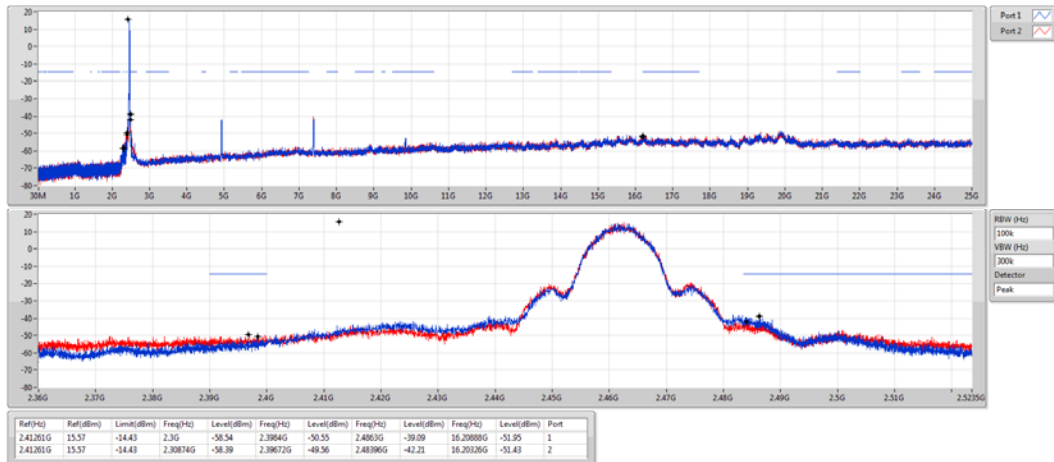
2437MHz



802.11b_Nss1,(1Mbps)_2TX

CSE NdB

2462MHz

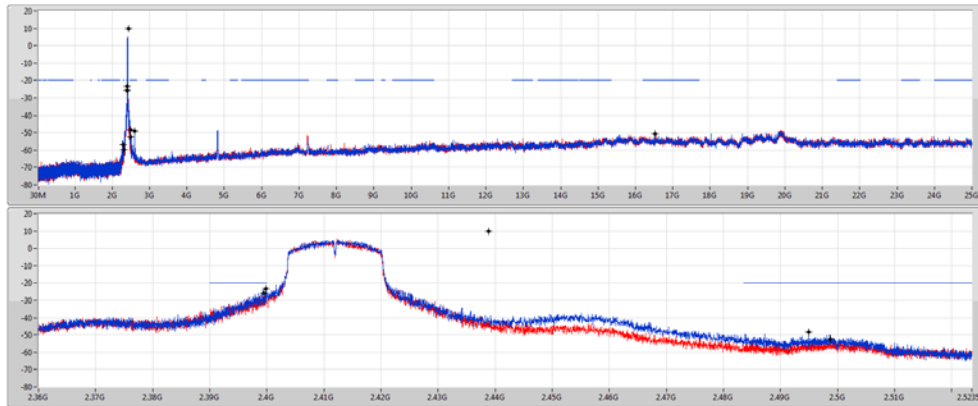


802.11g_Nss1,(6Mbps)_2TX
2412MHz

CSE NdB

13/02/2019

Port 1 
Port 2 

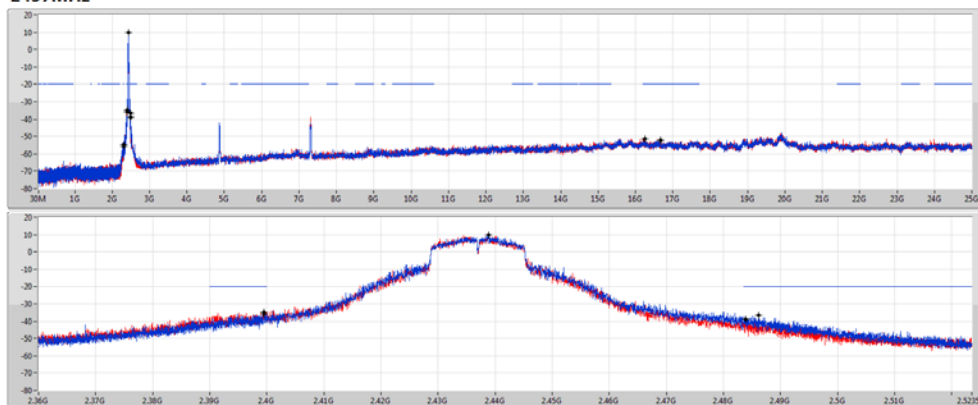


802.11g_Nss1,(6Mbps)_2TX
2437MHz

CSE NdB

13/02/2019

Port 1 
Port 2 

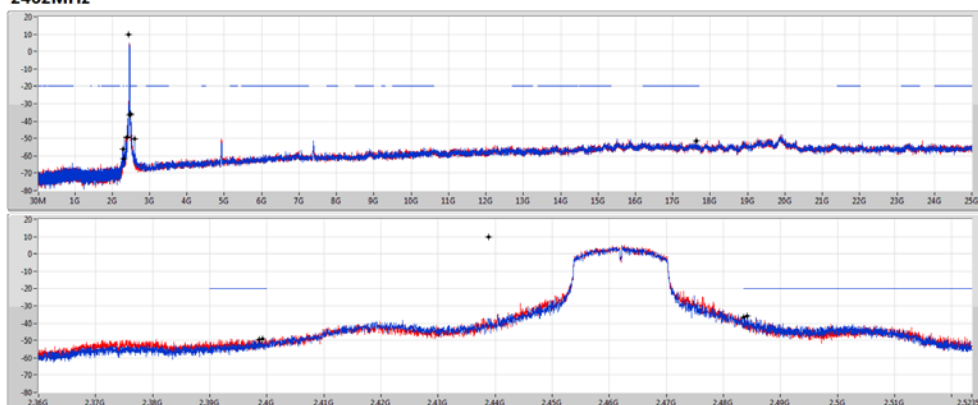


802.11g_Nss1,(6Mbps)_2TX
2462MHz

CSE NdB

13/02/2019

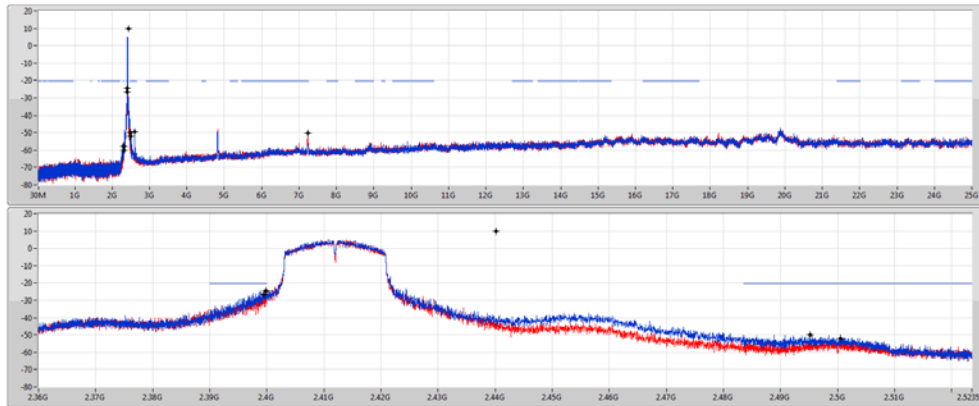
Port 1 
Port 2 



802.11n HT20_Nss1,(MCS0)_2TX
2412MHz

CSE NdB

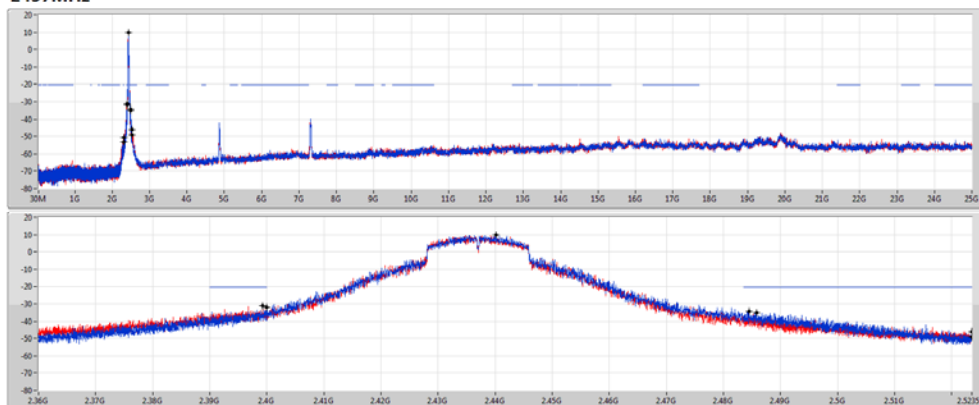
13/02/2019



802.11n HT20_Nss1,(MCS0)_2TX
2437MHz

CSE NdB

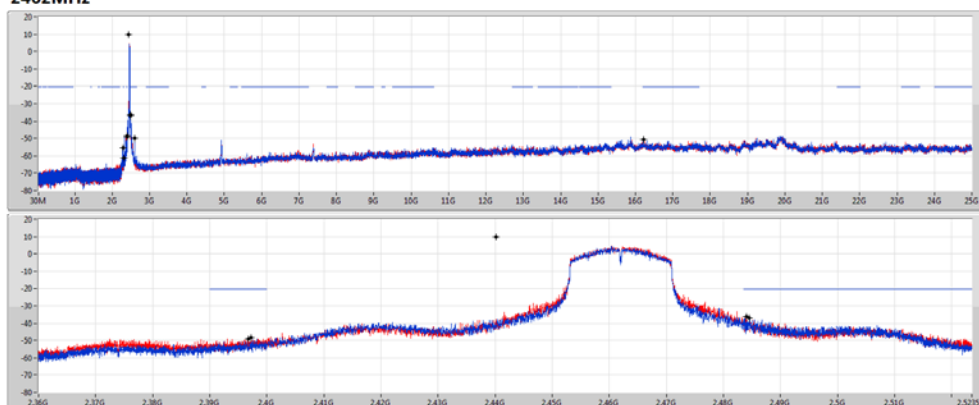
13/02/2019



802.11n HT20_Nss1,(MCS0)_2TX
2462MHz

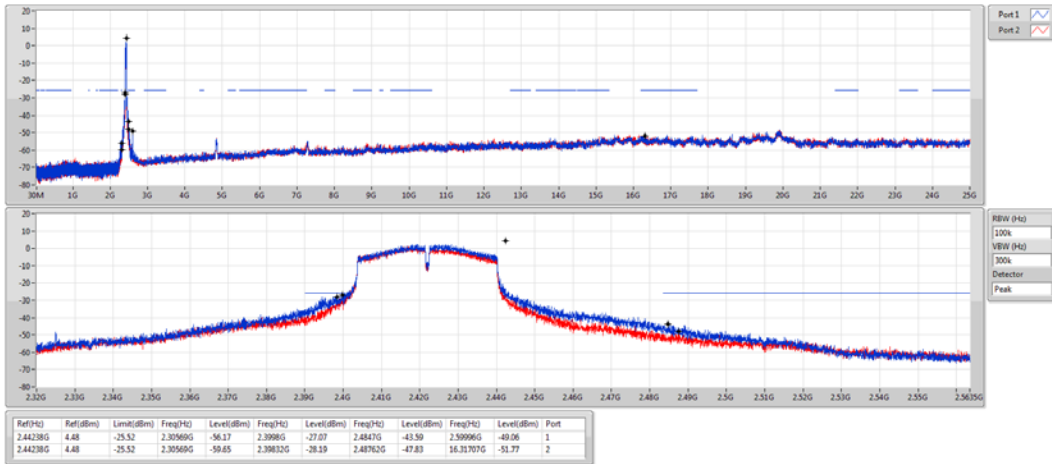
CSE NdB

13/02/2019



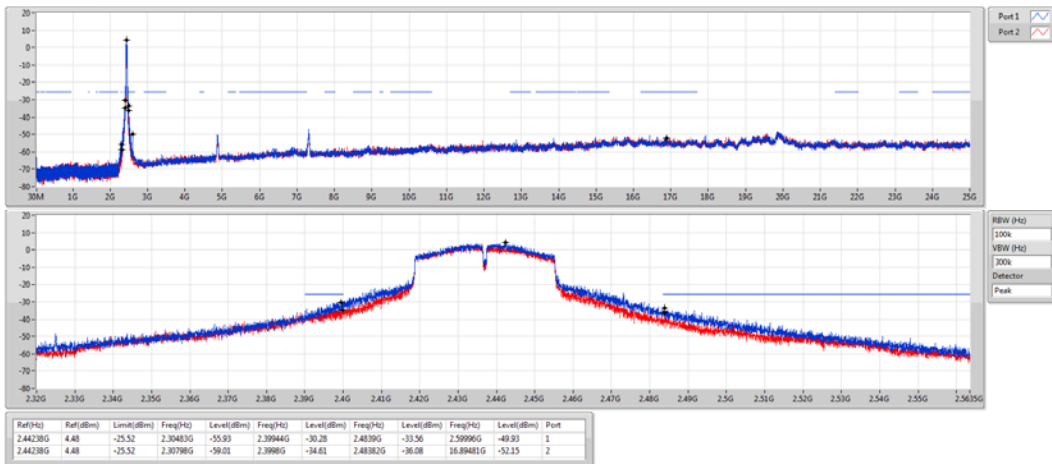
802.11n HT40_Nss1,(MCS0)_2TX
2422MHz

CSE NdB



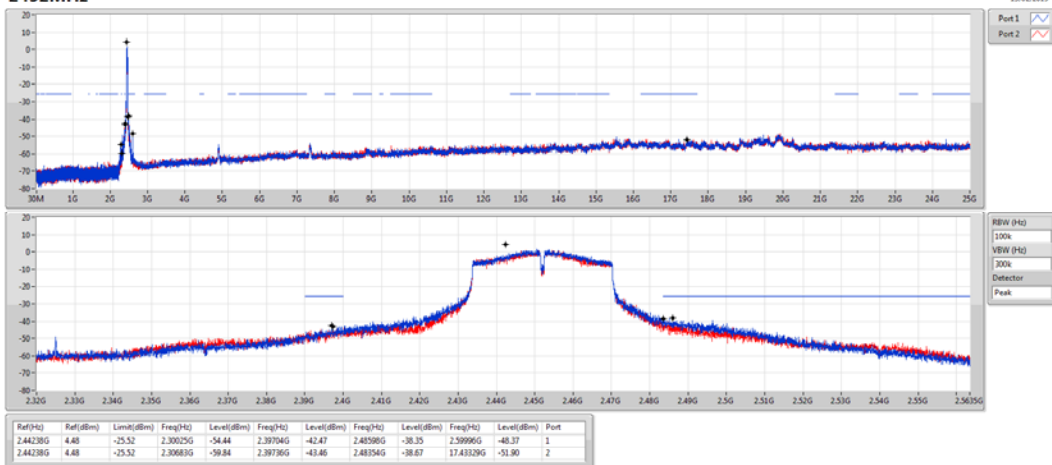
802.11n HT40_Nss1,(MCS0)_2TX
2437MHz

CSE NdB



802.11n HT40_Nss1,(MCS0)_2TX
2452MHz

CSE NdB



**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)_2TX	Pass	PK	31.94M	36.49	40.00	-3.51	-14.36	3	Vertical	0	3.00	-

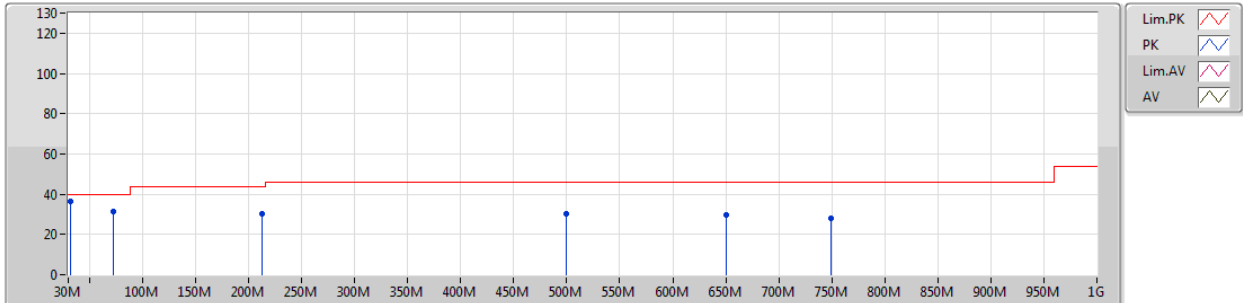
Result

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)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	31.94M	36.49	40.00	-3.51	-14.36	3	Vertical	0	3.00	-
2437MHz	Pass	PK	72.68M	31.60	40.00	-8.40	-24.92	3	Vertical	0	3.00	-
2437MHz	Pass	PK	212.36M	30.24	43.50	-13.26	-20.95	3	Vertical	0	3.00	-
2437MHz	Pass	PK	499.48M	30.23	46.00	-15.77	-12.10	3	Vertical	0	3.00	-
2437MHz	Pass	PK	650.8M	29.87	46.00	-16.13	-9.96	3	Vertical	0	3.00	-
2437MHz	Pass	PK	749.74M	27.88	46.00	-18.12	-8.38	3	Vertical	0	3.00	-
2437MHz	Pass	PK	127M	32.06	43.50	-11.44	-19.19	3	Horizontal	360	3.00	-
2437MHz	Pass	PK	212.36M	29.83	43.50	-13.67	-20.95	3	Horizontal	360	3.00	-
2437MHz	Pass	PK	266.68M	31.73	46.00	-14.27	-16.12	3	Horizontal	360	3.00	-
2437MHz	Pass	PK	303.54M	31.49	46.00	-14.51	-16.60	3	Horizontal	360	3.00	-
2437MHz	Pass	PK	493.66M	28.41	46.00	-17.59	-12.19	3	Horizontal	360	3.00	-
2437MHz	Pass	PK	650.8M	34.72	46.00	-11.28	-9.96	3	Horizontal	360	3.00	-

802.11n HT40_Nss1,(MCS0)_2TX

12/02/2019

2437MHz_PoE

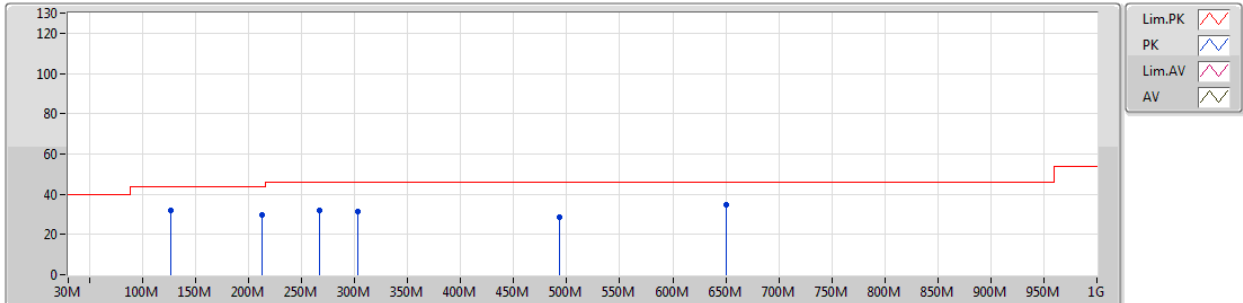


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	31.94M	36.49	40.00	-3.51	-14.36	3	Vertical	0	3.00	-
PK	72.68M	31.60	40.00	-8.40	-24.92	3	Vertical	0	3.00	-
PK	212.36M	30.24	43.50	-13.26	-20.95	3	Vertical	0	3.00	-
PK	499.48M	30.23	46.00	-15.77	-12.10	3	Vertical	0	3.00	-
PK	650.8M	29.87	46.00	-16.13	-9.96	3	Vertical	0	3.00	-
PK	749.74M	27.88	46.00	-18.12	-8.38	3	Vertical	0	3.00	-

802.11n HT40_Nss1,(MCS0)_2TX

12/02/2019

2437MHz_PoE



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments										
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)											
PK	127M	32.06	43.50	-11.44	-19.19	3	Horizontal	360	3.00	-										
PK	212.36M	29.83	43.50	-13.67	-20.95	3	Horizontal	360	3.00	-										
PK	266.68M	31.73	46.00	-14.27	-16.12	3	Horizontal	360	3.00	-										
PK	303.54M	31.49	46.00	-14.51	-16.60	3	Horizontal	360	3.00	-										
PK	493.66M	28.41	46.00	-17.59	-12.19	3	Horizontal	360	3.00	-										
PK	650.8M	34.72	46.00	-11.28	-9.96	3	Horizontal	360	3.00	-										

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)_2TX	Pass	AV	7.30596G	53.83	54.00	-0.17	11.22	3	Horizontal	29	1.01	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.4835G	53.82	54.00	-0.18	30.97	3	Horizontal	178	1.39	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	53.78	54.00	-0.22	30.69	3	Vertical	358	1.89	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	AV	2.39G	53.72	54.00	-0.28	30.69	3	Horizontal	178	1.21	-

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)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TX	Pass	AV	2.3872G	51.17	54.00	-2.83	30.37	3	Vertical	360	2.43	-
2412MHz_TX	Pass	AV	2.412G	110.96	Inf	-Inf	30.45	3	Vertical	360	2.43	-
2412MHz_TX	Pass	PK	2.387G	62.86	74.00	-11.14	30.37	3	Vertical	360	2.43	-
2412MHz_TX	Pass	PK	2.4114G	116.47	Inf	-Inf	30.45	3	Vertical	360	2.43	-
2412MHz_TX	Pass	AV	2.387G	51.77	54.00	-2.23	30.68	3	Horizontal	315	2.67	-
2412MHz_TX	Pass	AV	2.412G	111.71	Inf	-Inf	30.76	3	Horizontal	315	2.67	-
2412MHz_TX	Pass	PK	2.387G	63.92	74.00	-10.08	30.68	3	Horizontal	315	2.67	-
2412MHz_TX	Pass	PK	2.4114G	117.30	Inf	-Inf	30.76	3	Horizontal	315	2.67	-
2412MHz_TX	Pass	AV	4.81884G	45.17	54.00	-8.83	5.89	3	Vertical	43	1.03	-
2412MHz_TX	Pass	PK	4.81854G	51.97	74.00	-22.03	5.89	3	Vertical	43	1.03	-
2412MHz_TX	Pass	AV	4.81884G	47.08	54.00	-6.92	5.89	3	Horizontal	347	2.22	-
2412MHz_TX	Pass	PK	4.8186G	53.84	74.00	-20.16	5.89	3	Horizontal	347	2.22	-
2437MHz_TX	Pass	AV	2.3898G	47.70	54.00	-6.30	30.38	3	Vertical	12	1.88	-
2437MHz_TX	Pass	AV	2.437G	109.81	Inf	-Inf	30.54	3	Vertical	12	1.88	-
2437MHz_TX	Pass	AV	2.4835G	47.40	54.00	-6.60	30.69	3	Vertical	12	1.88	-
2437MHz_TX	Pass	PK	2.389G	58.71	74.00	-15.29	30.37	3	Vertical	12	1.88	-
2437MHz_TX	Pass	PK	2.4362G	115.21	Inf	-Inf	30.54	3	Vertical	12	1.88	-
2437MHz_TX	Pass	PK	2.4838G	58.33	74.00	-15.67	30.69	3	Vertical	12	1.88	-
2437MHz_TX	Pass	AV	2.3898G	48.99	54.00	-5.01	30.69	3	Horizontal	321	2.06	-
2437MHz_TX	Pass	AV	2.437G	111.06	Inf	-Inf	30.83	3	Horizontal	321	2.06	-
2437MHz_TX	Pass	AV	2.4858G	47.20	54.00	-6.80	30.98	3	Horizontal	321	2.06	-
2437MHz_TX	Pass	PK	2.3894G	60.17	74.00	-13.83	30.68	3	Horizontal	321	2.06	-
2437MHz_TX	Pass	PK	2.4362G	116.62	Inf	-Inf	30.83	3	Horizontal	321	2.06	-
2437MHz_TX	Pass	PK	2.4922G	58.90	74.00	-15.10	30.99	3	Horizontal	321	2.06	-
2437MHz_TX	Pass	AV	4.8794G	43.24	54.00	-10.76	6.01	3	Vertical	70	1.07	-
2437MHz_TX	Pass	AV	7.31646G	52.14	54.00	-1.86	11.23	3	Vertical	359	1.66	-
2437MHz_TX	Pass	PK	4.8797G	50.53	74.00	-23.47	6.01	3	Vertical	70	1.07	-
2437MHz_TX	Pass	PK	7.31742G	59.83	74.00	-14.17	11.25	3	Vertical	359	1.66	-
2437MHz_TX	Pass	AV	4.8794G	47.70	54.00	-6.30	6.01	3	Horizontal	39	1.88	-
2437MHz_TX	Pass	AV	7.30596G	53.83	54.00	-0.17	11.22	3	Horizontal	29	1.01	-
2437MHz_TX	Pass	PK	4.87964G	54.01	74.00	-19.99	6.01	3	Horizontal	39	1.88	-
2437MHz_TX	Pass	PK	7.30674G	61.06	74.00	-12.94	11.21	3	Horizontal	29	1.01	-
2462MHz_TX	Pass	AV	2.4622G	109.08	Inf	-Inf	30.62	3	Vertical	360	2.64	-
2462MHz_TX	Pass	AV	2.486G	48.12	54.00	-5.88	30.71	3	Vertical	360	2.64	-
2462MHz_TX	Pass	PK	2.4614G	114.64	Inf	-Inf	30.62	3	Vertical	360	2.64	-
2462MHz_TX	Pass	PK	2.485G	60.05	74.00	-13.95	30.69	3	Vertical	360	2.64	-
2462MHz_TX	Pass	AV	2.4622G	110.42	Inf	-Inf	30.90	3	Horizontal	324	2.31	-
2462MHz_TX	Pass	AV	2.4835G	49.23	54.00	-4.77	30.97	3	Horizontal	324	2.31	-
2462MHz_TX	Pass	PK	2.4614G	116.03	Inf	-Inf	30.90	3	Horizontal	324	2.31	-
2462MHz_TX	Pass	PK	2.4858G	60.50	74.00	-13.50	30.98	3	Horizontal	324	2.31	-
2462MHz_TX	Pass	AV	4.9294G	44.04	54.00	-9.96	6.10	3	Vertical	75	2.03	-
2462MHz_TX	Pass	AV	7.38066G	52.21	54.00	-1.79	11.41	3	Vertical	29	2.99	-
2462MHz_TX	Pass	PK	4.9297G	51.35	74.00	-22.65	6.10	3	Vertical	75	2.03	-
2462MHz_TX	Pass	PK	7.38006G	59.59	74.00	-14.41	11.41	3	Vertical	29	2.99	-
2462MHz_TX	Pass	AV	4.9189G	49.47	54.00	-4.53	6.09	3	Horizontal	335	1.04	-
2462MHz_TX	Pass	AV	7.3809G	53.45	54.00	-0.55	11.41	3	Horizontal	15	1.73	-
2462MHz_TX	Pass	PK	4.91872G	55.54	74.00	-18.46	6.09	3	Horizontal	335	1.04	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz_TX	Pass	PK	7.38192G	60.84	74.00	-13.16	11.40	3	Horizontal	15	1.73	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TX	Pass	AV	2.39G	51.63	54.00	-2.37	30.38	3	Vertical	353	1.69	-
2412MHz_TX	Pass	AV	2.4104G	99.68	Inf	-Inf	30.44	3	Vertical	353	1.69	-
2412MHz_TX	Pass	PK	2.3898G	66.54	74.00	-7.46	30.38	3	Vertical	353	1.69	-
2412MHz_TX	Pass	PK	2.4148G	108.57	Inf	-Inf	30.46	3	Vertical	353	1.69	-
2412MHz_TX	Pass	AV	2.39G	52.93	54.00	-1.07	30.69	3	Horizontal	177	1.85	-
2412MHz_TX	Pass	AV	2.411G	101.47	Inf	-Inf	30.76	3	Horizontal	177	1.85	-
2412MHz_TX	Pass	PK	2.3894G	67.34	74.00	-6.66	30.68	3	Horizontal	177	1.85	-
2412MHz_TX	Pass	PK	2.4112G	110.08	Inf	-Inf	30.76	3	Horizontal	177	1.85	-
2412MHz_TX	Pass	AV	4.82478G	33.87	54.00	-20.13	5.89	3	Vertical	46	1.16	-
2412MHz_TX	Pass	PK	4.82466G	47.39	74.00	-26.61	5.89	3	Vertical	46	1.16	-
2412MHz_TX	Pass	AV	4.8219G	33.91	54.00	-20.09	5.89	3	Horizontal	43	1.50	-
2412MHz_TX	Pass	PK	4.82616G	46.28	74.00	-27.72	5.90	3	Horizontal	43	1.50	-
2417MHz_TX	Pass	AV	2.39G	51.88	54.00	-2.12	30.38	3	Vertical	344	1.69	-
2417MHz_TX	Pass	AV	2.4154G	101.00	Inf	-Inf	30.47	3	Vertical	344	1.69	-
2417MHz_TX	Pass	PK	2.39G	67.18	74.00	-6.82	30.38	3	Vertical	344	1.69	-
2417MHz_TX	Pass	PK	2.4162G	109.12	Inf	-Inf	30.47	3	Vertical	344	1.69	-
2417MHz_TX	Pass	AV	2.39G	53.27	54.00	-0.73	30.69	3	Horizontal	177	1.43	-
2417MHz_TX	Pass	AV	2.416G	102.44	Inf	-Inf	30.77	3	Horizontal	177	1.43	-
2417MHz_TX	Pass	PK	2.39G	67.23	74.00	-6.77	30.69	3	Horizontal	177	1.43	-
2417MHz_TX	Pass	PK	2.416G	110.57	Inf	-Inf	30.77	3	Horizontal	177	1.43	-
2437MHz_TX	Pass	AV	2.3898G	50.65	54.00	-3.35	30.38	3	Vertical	333	1.50	-
2437MHz_TX	Pass	AV	2.4358G	103.53	Inf	-Inf	30.54	3	Vertical	333	1.50	-
2437MHz_TX	Pass	AV	2.485G	50.60	54.00	-3.40	30.69	3	Vertical	333	1.50	-
2437MHz_TX	Pass	PK	2.3898G	63.57	74.00	-10.43	30.38	3	Vertical	333	1.50	-
2437MHz_TX	Pass	PK	2.4358G	111.84	Inf	-Inf	30.54	3	Vertical	333	1.50	-
2437MHz_TX	Pass	PK	2.4854G	63.86	74.00	-10.14	30.70	3	Vertical	333	1.50	-
2437MHz_TX	Pass	AV	2.3898G	52.19	54.00	-1.81	30.69	3	Horizontal	178	1.56	-
2437MHz_TX	Pass	AV	2.4362G	106.09	Inf	-Inf	30.83	3	Horizontal	178	1.56	-
2437MHz_TX	Pass	AV	2.4835G	53.46	54.00	-0.54	30.97	3	Horizontal	178	1.56	-
2437MHz_TX	Pass	PK	2.387G	65.02	74.00	-8.98	30.68	3	Horizontal	178	1.56	-
2437MHz_TX	Pass	PK	2.4358G	114.73	Inf	-Inf	30.83	3	Horizontal	178	1.56	-
2437MHz_TX	Pass	PK	2.4858G	69.99	74.00	-4.01	30.98	3	Horizontal	178	1.56	-
2437MHz_TX	Pass	AV	4.8734G	38.20	54.00	-15.80	6.00	3	Vertical	61	1.11	-
2437MHz_TX	Pass	AV	7.3131G	50.16	54.00	-3.84	11.22	3	Vertical	20	2.95	-
2437MHz_TX	Pass	PK	4.87358G	49.71	74.00	-24.29	6.00	3	Vertical	61	1.11	-
2437MHz_TX	Pass	PK	7.30806G	62.46	74.00	-11.54	11.21	3	Vertical	20	2.95	-
2437MHz_TX	Pass	AV	4.87244G	40.30	54.00	-13.70	6.00	3	Horizontal	36	1.70	-
2437MHz_TX	Pass	AV	7.31154G	51.35	54.00	-2.65	11.22	3	Horizontal	30	1.50	-
2437MHz_TX	Pass	PK	4.87226G	52.32	74.00	-21.68	6.00	3	Horizontal	36	1.70	-
2437MHz_TX	Pass	PK	7.31076G	64.24	74.00	-9.76	11.22	3	Horizontal	30	1.50	-
2457MHz_TX	Pass	AV	2.4556G	102.01	Inf	-Inf	30.60	3	Vertical	345	1.63	-
2457MHz_TX	Pass	AV	2.4858G	52.95	54.00	-1.05	30.71	3	Vertical	345	1.63	-
2457MHz_TX	Pass	PK	2.4554G	110.35	Inf	-Inf	30.60	3	Vertical	345	1.63	-
2457MHz_TX	Pass	PK	2.4862G	66.38	74.00	-7.62	30.71	3	Vertical	345	1.63	-
2457MHz_TX	Pass	AV	2.456G	102.63	Inf	-Inf	30.88	3	Horizontal	178	1.39	-
2457MHz_TX	Pass	AV	2.4835G	53.82	54.00	-0.18	30.97	3	Horizontal	178	1.39	-
2457MHz_TX	Pass	PK	2.4558G	111.07	Inf	-Inf	30.88	3	Horizontal	178	1.39	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2457MHz_TX	Pass	PK	2.4862G	67.84	74.00	-6.16	30.98	3	Horizontal	178	1.39	-
2462MHz_TX	Pass	AV	2.461G	101.85	Inf	-Inf	30.62	3	Vertical	318	1.05	-
2462MHz_TX	Pass	AV	2.4835G	53.05	54.00	-0.95	30.69	3	Vertical	318	1.05	-
2462MHz_TX	Pass	PK	2.4608G	110.21	Inf	-Inf	30.62	3	Vertical	318	1.05	-
2462MHz_TX	Pass	PK	2.4866G	67.57	74.00	-6.43	30.71	3	Vertical	318	1.05	-
2462MHz_TX	Pass	AV	2.4608G	102.72	Inf	-Inf	30.90	3	Horizontal	178	1.09	-
2462MHz_TX	Pass	AV	2.4856G	53.59	54.00	-0.41	30.98	3	Horizontal	178	1.09	-
2462MHz_TX	Pass	PK	2.4604G	110.83	Inf	-Inf	30.89	3	Horizontal	178	1.09	-
2462MHz_TX	Pass	PK	2.4866G	69.10	74.00	-4.90	30.98	3	Horizontal	178	1.09	-
2462MHz_TX	Pass	AV	4.92484G	34.03	54.00	-19.97	6.09	3	Vertical	48	1.75	-
2462MHz_TX	Pass	AV	7.37934G	37.61	54.00	-16.39	11.41	3	Vertical	324	1.61	-
2462MHz_TX	Pass	PK	4.92544G	46.12	74.00	-27.88	6.10	3	Vertical	48	1.75	-
2462MHz_TX	Pass	PK	7.38228G	49.74	74.00	-24.26	11.40	3	Vertical	324	1.61	-
2462MHz_TX	Pass	AV	4.9204G	34.93	54.00	-19.07	6.09	3	Horizontal	344	2.93	-
2462MHz_TX	Pass	AV	7.38234G	38.51	54.00	-15.49	11.40	3	Horizontal	13	1.53	-
2462MHz_TX	Pass	PK	4.92436G	47.25	74.00	-26.75	6.09	3	Horizontal	344	2.93	-
2462MHz_TX	Pass	PK	7.3782G	52.60	74.00	-21.40	11.40	3	Horizontal	13	1.53	-
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TX	Pass	AV	2.39G	51.08	54.00	-2.92	30.38	3	Vertical	359	1.69	-
2412MHz_TX	Pass	AV	2.4134G	100.28	Inf	-Inf	30.45	3	Vertical	359	1.69	-
2412MHz_TX	Pass	PK	2.39G	67.74	74.00	-6.26	30.38	3	Vertical	359	1.69	-
2412MHz_TX	Pass	PK	2.4138G	108.82	Inf	-Inf	30.45	3	Vertical	359	1.69	-
2412MHz_TX	Pass	AV	2.39G	53.16	54.00	-0.84	30.69	3	Horizontal	310	2.37	-
2412MHz_TX	Pass	AV	2.4114G	101.84	Inf	-Inf	30.76	3	Horizontal	310	2.37	-
2412MHz_TX	Pass	PK	2.39G	71.01	74.00	-2.99	30.69	3	Horizontal	310	2.37	-
2412MHz_TX	Pass	PK	2.412G	110.36	Inf	-Inf	30.76	3	Horizontal	310	2.37	-
2412MHz_TX	Pass	AV	4.82556G	33.50	54.00	-20.50	5.90	3	Vertical	45	1.18	-
2412MHz_TX	Pass	PK	4.82478G	45.95	74.00	-28.05	5.89	3	Vertical	45	1.18	-
2412MHz_TX	Pass	AV	4.8267G	33.85	54.00	-20.15	5.90	3	Horizontal	340	1.61	-
2412MHz_TX	Pass	PK	4.82604G	47.05	74.00	-26.95	5.90	3	Horizontal	340	1.61	-
2417MHz_TX	Pass	AV	2.39G	53.51	54.00	-0.49	30.38	3	Vertical	301	1.07	-
2417MHz_TX	Pass	AV	2.415G	101.68	Inf	-Inf	30.47	3	Vertical	301	1.07	-
2417MHz_TX	Pass	PK	2.3898G	67.93	74.00	-6.07	30.38	3	Vertical	301	1.07	-
2417MHz_TX	Pass	PK	2.4154G	110.71	Inf	-Inf	30.47	3	Vertical	301	1.07	-
2417MHz_TX	Pass	AV	2.39G	53.61	54.00	-0.39	30.69	3	Horizontal	53	1.01	-
2417MHz_TX	Pass	AV	2.4156G	103.14	Inf	-Inf	30.77	3	Horizontal	53	1.01	-
2417MHz_TX	Pass	PK	2.3892G	67.88	74.00	-6.12	30.68	3	Horizontal	53	1.01	-
2417MHz_TX	Pass	PK	2.4154G	111.76	Inf	-Inf	30.77	3	Horizontal	53	1.01	-
2437MHz_TX	Pass	AV	2.3818G	51.00	54.00	-3.00	30.35	3	Vertical	358	1.89	-
2437MHz_TX	Pass	AV	2.4382G	105.40	Inf	-Inf	30.54	3	Vertical	358	1.89	-
2437MHz_TX	Pass	AV	2.4835G	53.78	54.00	-0.22	30.69	3	Vertical	358	1.89	-
2437MHz_TX	Pass	PK	2.3838G	65.84	74.00	-8.16	30.36	3	Vertical	358	1.89	-
2437MHz_TX	Pass	PK	2.4382G	114.14	Inf	-Inf	30.54	3	Vertical	358	1.89	-
2437MHz_TX	Pass	PK	2.4838G	65.99	74.00	-8.01	30.69	3	Vertical	358	1.89	-
2437MHz_TX	Pass	AV	2.3898G	52.32	54.00	-1.68	30.69	3	Horizontal	318	2.08	-
2437MHz_TX	Pass	AV	2.4382G	106.38	Inf	-Inf	30.83	3	Horizontal	318	2.08	-
2437MHz_TX	Pass	AV	2.4835G	53.58	54.00	-0.42	30.97	3	Horizontal	318	2.08	-
2437MHz_TX	Pass	PK	2.3798G	65.43	74.00	-8.57	30.66	3	Horizontal	318	2.08	-
2437MHz_TX	Pass	PK	2.4382G	115.16	Inf	-Inf	30.83	3	Horizontal	318	2.08	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz_TX	Pass	PK	2.4838G	65.05	74.00	-8.95	30.97	3	Horizontal	318	2.08	-
2437MHz_TX	Pass	AV	4.8722G	39.91	54.00	-14.09	6.00	3	Vertical	64	1.01	-
2437MHz_TX	Pass	AV	7.31082G	48.98	54.00	-5.02	11.22	3	Vertical	9	1.50	-
2437MHz_TX	Pass	PK	4.87292G	51.79	74.00	-22.21	6.00	3	Vertical	64	1.01	-
2437MHz_TX	Pass	PK	7.31022G	61.89	74.00	-12.11	11.22	3	Vertical	9	1.50	-
2437MHz_TX	Pass	AV	4.87016G	41.26	54.00	-12.74	6.00	3	Horizontal	36	1.79	-
2437MHz_TX	Pass	AV	7.31076G	52.46	54.00	-1.54	11.22	3	Horizontal	16	1.50	-
2437MHz_TX	Pass	PK	4.86752G	53.94	74.00	-20.06	5.98	3	Horizontal	36	1.79	-
2437MHz_TX	Pass	PK	7.3128G	65.23	74.00	-8.77	11.22	3	Horizontal	16	1.50	-
2457MHz_TX	Pass	AV	2.4582G	102.32	Inf	-Inf	30.61	3	Vertical	358	1.83	-
2457MHz_TX	Pass	AV	2.4835G	53.54	54.00	-0.46	30.69	3	Vertical	358	1.83	-
2457MHz_TX	Pass	PK	2.4572G	111.08	Inf	-Inf	30.61	3	Vertical	358	1.83	-
2457MHz_TX	Pass	PK	2.4836G	65.71	74.00	-8.29	30.69	3	Vertical	358	1.83	-
2457MHz_TX	Pass	AV	2.46G	100.14	Inf	-Inf	30.89	3	Horizontal	179	1.37	-
2457MHz_TX	Pass	AV	2.4835G	53.46	54.00	-0.54	30.97	3	Horizontal	179	1.37	-
2457MHz_TX	Pass	PK	2.4604G	109.53	Inf	-Inf	30.89	3	Horizontal	179	1.37	-
2457MHz_TX	Pass	PK	2.484G	67.53	74.00	-6.47	30.97	3	Horizontal	179	1.37	-
2462MHz_TX	Pass	AV	2.4632G	99.88	Inf	-Inf	30.62	3	Vertical	358	1.85	-
2462MHz_TX	Pass	AV	2.4835G	51.55	54.00	-2.45	30.69	3	Vertical	358	1.85	-
2462MHz_TX	Pass	PK	2.4628G	108.33	Inf	-Inf	30.62	3	Vertical	358	1.85	-
2462MHz_TX	Pass	PK	2.4836G	66.15	74.00	-7.85	30.69	3	Vertical	358	1.85	-
2462MHz_TX	Pass	AV	2.461G	101.20	Inf	-Inf	30.90	3	Horizontal	315	2.29	-
2462MHz_TX	Pass	AV	2.4835G	53.46	54.00	-0.54	30.97	3	Horizontal	315	2.29	-
2462MHz_TX	Pass	PK	2.4604G	109.78	Inf	-Inf	30.89	3	Horizontal	315	2.29	-
2462MHz_TX	Pass	PK	2.4836G	68.44	74.00	-5.56	30.97	3	Horizontal	315	2.29	-
2462MHz_TX	Pass	AV	4.92238G	34.18	54.00	-19.82	6.09	3	Vertical	66	1.06	-
2462MHz_TX	Pass	AV	7.38576G	37.72	54.00	-16.28	11.42	3	Vertical	360	2.96	-
2462MHz_TX	Pass	PK	4.921G	47.49	74.00	-26.51	6.09	3	Vertical	66	1.06	-
2462MHz_TX	Pass	PK	7.37118G	49.90	74.00	-24.10	11.38	3	Vertical	360	2.96	-
2462MHz_TX	Pass	AV	4.92586G	34.14	54.00	-19.86	6.10	3	Horizontal	340	1.27	-
2462MHz_TX	Pass	AV	7.38528G	38.42	54.00	-15.58	11.42	3	Horizontal	15	1.50	-
2462MHz_TX	Pass	PK	4.9267G	45.89	74.00	-28.11	6.10	3	Horizontal	340	1.27	-
2462MHz_TX	Pass	PK	7.38282G	52.48	74.00	-21.52	11.41	3	Horizontal	15	1.50	-
802.11n HT40_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TX	Pass	AV	2.39G	51.63	54.00	-2.37	30.38	3	Vertical	322	1.27	-
2422MHz_TX	Pass	AV	2.418G	96.72	Inf	-Inf	30.47	3	Vertical	322	1.27	-
2422MHz_TX	Pass	AV	2.4835G	47.87	54.00	-6.13	30.69	3	Vertical	322	1.27	-
2422MHz_TX	Pass	PK	2.39G	63.05	74.00	-10.95	30.38	3	Vertical	322	1.27	-
2422MHz_TX	Pass	PK	2.4192G	105.14	Inf	-Inf	30.48	3	Vertical	322	1.27	-
2422MHz_TX	Pass	PK	2.4848G	59.44	74.00	-14.56	30.69	3	Vertical	322	1.27	-
2422MHz_TX	Pass	AV	2.39G	53.72	54.00	-0.28	30.69	3	Horizontal	178	1.21	-
2422MHz_TX	Pass	AV	2.4176G	99.05	Inf	-Inf	30.77	3	Horizontal	178	1.21	-
2422MHz_TX	Pass	AV	2.4835G	49.23	54.00	-4.77	30.97	3	Horizontal	178	1.21	-
2422MHz_TX	Pass	PK	2.39G	65.52	74.00	-8.48	30.69	3	Horizontal	178	1.21	-
2422MHz_TX	Pass	PK	2.418G	107.90	Inf	-Inf	30.77	3	Horizontal	178	1.21	-
2422MHz_TX	Pass	PK	2.4835G	60.00	74.00	-14.00	30.97	3	Horizontal	178	1.21	-
2422MHz_TX	Pass	AV	4.84634G	31.91	54.00	-22.09	5.93	3	Vertical	121	1.66	-
2422MHz_TX	Pass	AV	7.26732G	37.52	54.00	-16.48	11.11	3	Vertical	309	2.17	-
2422MHz_TX	Pass	PK	4.85786G	44.53	74.00	-29.47	5.97	3	Vertical	121	1.66	-

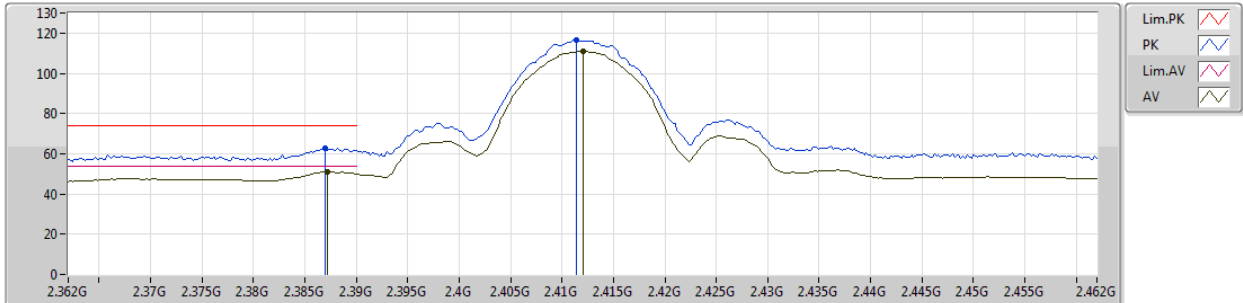
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2422MHz_TX	Pass	PK	7.27374G	49.75	74.00	-24.25	11.12	3	Vertical	309	2.17	-
2422MHz_TX	Pass	AV	4.84406G	32.96	54.00	-21.04	5.93	3	Horizontal	54	1.27	-
2422MHz_TX	Pass	AV	7.26054G	38.71	54.00	-15.29	11.09	3	Horizontal	264	2.26	-
2422MHz_TX	Pass	PK	4.8434G	45.48	74.00	-28.52	5.93	3	Horizontal	54	1.27	-
2422MHz_TX	Pass	PK	7.25658G	52.03	74.00	-21.97	11.08	3	Horizontal	264	2.26	-
2427MHz_TX	Pass	AV	2.3898G	52.14	54.00	-1.86	30.38	3	Vertical	335	1.50	-
2427MHz_TX	Pass	AV	2.4306G	96.29	Inf	-Inf	30.51	3	Vertical	335	1.50	-
2427MHz_TX	Pass	AV	2.4914G	47.68	54.00	-6.32	30.72	3	Vertical	335	1.50	-
2427MHz_TX	Pass	PK	2.3898G	63.85	74.00	-10.15	30.38	3	Vertical	335	1.50	-
2427MHz_TX	Pass	PK	2.4302G	105.47	Inf	-Inf	30.51	3	Vertical	335	1.50	-
2427MHz_TX	Pass	PK	2.4914G	58.81	74.00	-15.19	30.72	3	Vertical	335	1.50	-
2427MHz_TX	Pass	AV	2.3898G	53.16	54.00	-0.84	30.69	3	Horizontal	179	1.40	-
2427MHz_TX	Pass	AV	2.4306G	97.61	Inf	-Inf	30.81	3	Horizontal	179	1.40	-
2427MHz_TX	Pass	AV	2.489G	48.39	54.00	-5.61	30.98	3	Horizontal	179	1.40	-
2427MHz_TX	Pass	PK	2.3894G	64.68	74.00	-9.32	30.68	3	Horizontal	179	1.40	-
2427MHz_TX	Pass	PK	2.4302G	106.34	Inf	-Inf	30.81	3	Horizontal	179	1.40	-
2427MHz_TX	Pass	PK	2.487G	59.79	74.00	-14.21	30.98	3	Horizontal	179	1.40	-
2437MHz_TX	Pass	AV	2.3814G	49.47	54.00	-4.53	30.35	3	Vertical	346	1.90	-
2437MHz_TX	Pass	AV	2.4394G	98.39	Inf	-Inf	30.54	3	Vertical	346	1.90	-
2437MHz_TX	Pass	AV	2.4835G	53.18	54.00	-0.82	30.69	3	Vertical	346	1.90	-
2437MHz_TX	Pass	PK	2.3814G	61.25	74.00	-12.75	30.35	3	Vertical	346	1.90	-
2437MHz_TX	Pass	PK	2.4406G	107.13	Inf	-Inf	30.55	3	Vertical	346	1.90	-
2437MHz_TX	Pass	PK	2.4838G	65.08	74.00	-8.92	30.69	3	Vertical	346	1.90	-
2437MHz_TX	Pass	AV	2.3898G	51.11	54.00	-2.89	30.69	3	Horizontal	318	2.07	-
2437MHz_TX	Pass	AV	2.4382G	100.23	Inf	-Inf	30.83	3	Horizontal	318	2.07	-
2437MHz_TX	Pass	AV	2.4835G	53.08	54.00	-0.92	30.97	3	Horizontal	318	2.07	-
2437MHz_TX	Pass	PK	2.389G	62.71	74.00	-11.29	30.68	3	Horizontal	318	2.07	-
2437MHz_TX	Pass	PK	2.4398G	108.44	Inf	-Inf	30.84	3	Horizontal	318	2.07	-
2437MHz_TX	Pass	PK	2.4835G	63.63	74.00	-10.37	30.97	3	Horizontal	318	2.07	-
2437MHz_TX	Pass	AV	4.86944G	32.88	54.00	-21.12	5.99	3	Vertical	181	1.89	-
2437MHz_TX	Pass	AV	7.31472G	37.79	54.00	-16.21	11.23	3	Vertical	289	2.45	-
2437MHz_TX	Pass	PK	4.86356G	43.82	74.00	-30.18	5.98	3	Vertical	181	1.89	-
2437MHz_TX	Pass	PK	7.3233G	50.20	74.00	-23.80	11.25	3	Vertical	289	2.45	-
2437MHz_TX	Pass	AV	4.87406G	33.67	54.00	-20.33	6.00	3	Horizontal	351	1.75	-
2437MHz_TX	Pass	AV	7.31316G	38.48	54.00	-15.52	11.22	3	Horizontal	98	2.03	-
2437MHz_TX	Pass	PK	4.8665G	45.19	74.00	-28.81	5.98	3	Horizontal	351	1.75	-
2437MHz_TX	Pass	PK	7.3071G	50.36	74.00	-23.64	11.21	3	Horizontal	98	2.03	-
2447MHz_TX	Pass	AV	2.3898G	48.10	54.00	-5.90	30.38	3	Vertical	343	1.68	-
2447MHz_TX	Pass	AV	2.4498G	98.20	Inf	-Inf	30.58	3	Vertical	343	1.68	-
2447MHz_TX	Pass	AV	2.4902G	53.09	54.00	-0.91	30.72	3	Vertical	343	1.68	-
2447MHz_TX	Pass	PK	2.3898G	59.22	74.00	-14.78	30.38	3	Vertical	343	1.68	-
2447MHz_TX	Pass	PK	2.4506G	106.51	Inf	-Inf	30.58	3	Vertical	343	1.68	-
2447MHz_TX	Pass	PK	2.4914G	65.72	74.00	-8.28	30.72	3	Vertical	343	1.68	-
2447MHz_TX	Pass	AV	2.3898G	49.52	54.00	-4.48	30.69	3	Horizontal	180	1.38	-
2447MHz_TX	Pass	AV	2.451G	98.17	Inf	-Inf	30.87	3	Horizontal	180	1.38	-
2447MHz_TX	Pass	AV	2.4902G	53.48	54.00	-0.52	30.99	3	Horizontal	180	1.38	-
2447MHz_TX	Pass	PK	2.3894G	61.04	74.00	-12.96	30.68	3	Horizontal	180	1.38	-
2447MHz_TX	Pass	PK	2.4506G	106.83	Inf	-Inf	30.87	3	Horizontal	180	1.38	-
2447MHz_TX	Pass	PK	2.4898G	65.44	74.00	-8.56	30.99	3	Horizontal	180	1.38	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2452MHz_TX	Pass	AV	2.39G	45.87	54.00	-8.13	30.38	3	Vertical	231	2.30	-
2452MHz_TX	Pass	AV	2.4496G	96.11	Inf	-Inf	30.58	3	Vertical	231	2.30	-
2452MHz_TX	Pass	AV	2.4835G	51.24	54.00	-2.76	30.69	3	Vertical	231	2.30	-
2452MHz_TX	Pass	PK	2.388G	56.79	74.00	-17.21	30.37	3	Vertical	231	2.30	-
2452MHz_TX	Pass	PK	2.4496G	104.75	Inf	-Inf	30.58	3	Vertical	231	2.30	-
2452MHz_TX	Pass	PK	2.4835G	62.18	74.00	-11.82	30.69	3	Vertical	231	2.30	-
2452MHz_TX	Pass	AV	2.39G	47.14	54.00	-6.86	30.69	3	Horizontal	319	1.86	-
2452MHz_TX	Pass	AV	2.4508G	98.12	Inf	-Inf	30.87	3	Horizontal	319	1.86	-
2452MHz_TX	Pass	AV	2.4835G	53.21	54.00	-0.79	30.97	3	Horizontal	319	1.86	-
2452MHz_TX	Pass	PK	2.3884G	58.21	74.00	-15.79	30.68	3	Horizontal	319	1.86	-
2452MHz_TX	Pass	PK	2.4488G	106.79	Inf	-Inf	30.87	3	Horizontal	319	1.86	-
2452MHz_TX	Pass	PK	2.4848G	66.02	74.00	-7.98	30.97	3	Horizontal	319	1.86	-
2452MHz_TX	Pass	AV	4.90658G	32.87	54.00	-21.13	6.06	3	Vertical	30	1.50	-
2452MHz_TX	Pass	AV	7.34844G	37.80	54.00	-16.20	11.32	3	Vertical	222	2.66	-
2452MHz_TX	Pass	PK	4.91048G	45.21	74.00	-28.79	6.07	3	Vertical	30	1.50	-
2452MHz_TX	Pass	PK	7.35228G	50.56	74.00	-23.44	11.34	3	Vertical	222	2.66	-
2452MHz_TX	Pass	AV	4.90946G	33.78	54.00	-20.22	6.06	3	Horizontal	335	1.69	-
2452MHz_TX	Pass	AV	7.36212G	38.31	54.00	-15.69	11.36	3	Horizontal	6	1.50	-
2452MHz_TX	Pass	PK	4.90628G	45.62	74.00	-28.38	6.06	3	Horizontal	335	1.69	-
2452MHz_TX	Pass	PK	7.3521G	50.62	74.00	-23.38	11.34	3	Horizontal	6	1.50	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2019

2412MHz_TX

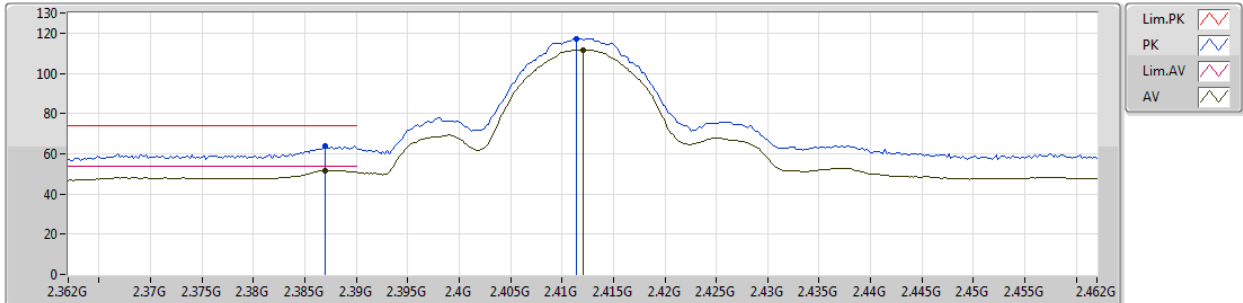


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3872G	51.17	54.00	-2.83	30.37	3	Vertical	360	2.43	-
AV	2.412G	110.96	Inf	-Inf	30.45	3	Vertical	360	2.43	-
PK	2.387G	62.86	74.00	-11.14	30.37	3	Vertical	360	2.43	-
PK	2.4114G	116.47	Inf	-Inf	30.45	3	Vertical	360	2.43	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2019

2412MHz_TX

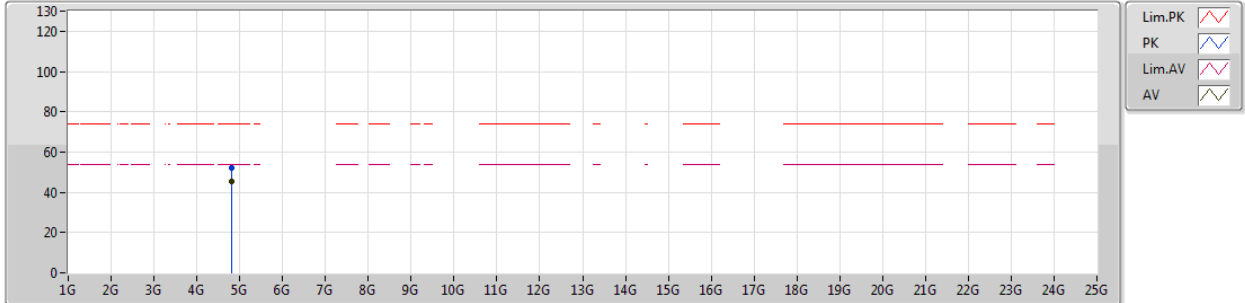


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.387G	51.77	54.00	-2.23	30.68	3	Horizontal	315	2.67	-
AV	2.412G	111.71	Inf	-Inf	30.76	3	Horizontal	315	2.67	-
PK	2.387G	63.92	74.00	-10.08	30.68	3	Horizontal	315	2.67	-
PK	2.4114G	117.30	Inf	-Inf	30.76	3	Horizontal	315	2.67	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2019

2412MHz_TX

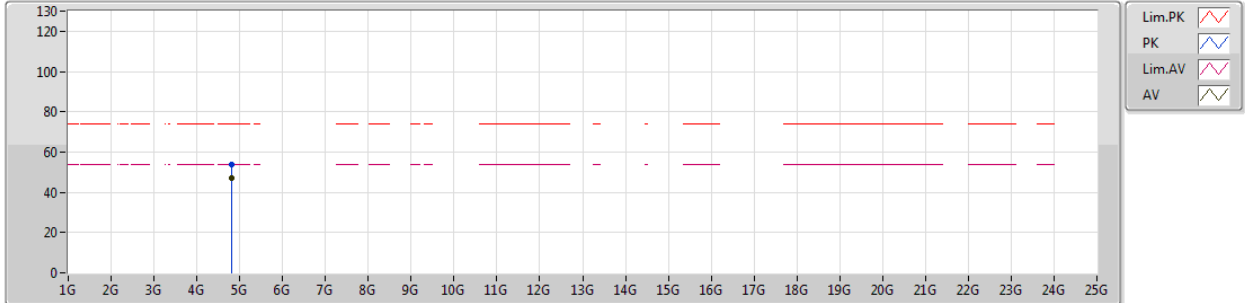


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	4.81884G	45.17	54.00	-8.83	5.89	3	Vertical	43	1.03	-								
PK	4.81854G	51.97	74.00	-22.03	5.89	3	Vertical	43	1.03	-								

802.11b_Nss1,(1Mbps)_2TX

10/02/2019

2412MHz_TX

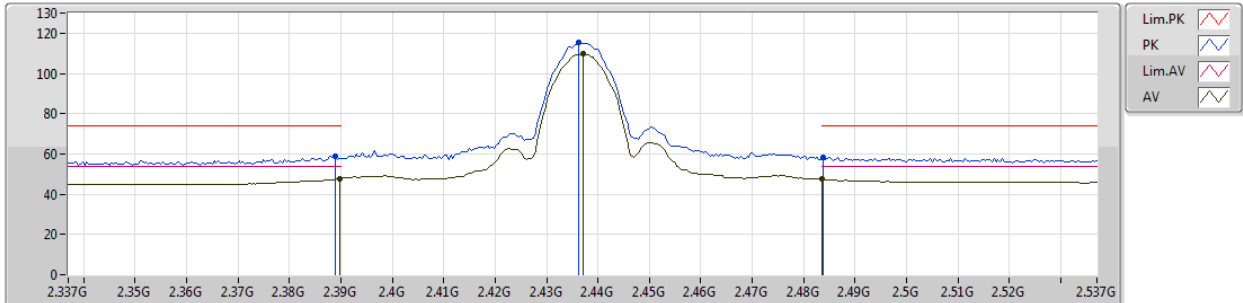


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)									
AV	4.81884G	47.08	54.00	-6.92	5.89	3	Horizontal	347	2.22	-								
PK	4.8186G	53.84	74.00	-20.16	5.89	3	Horizontal	347	2.22	-								

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

10/02/2019

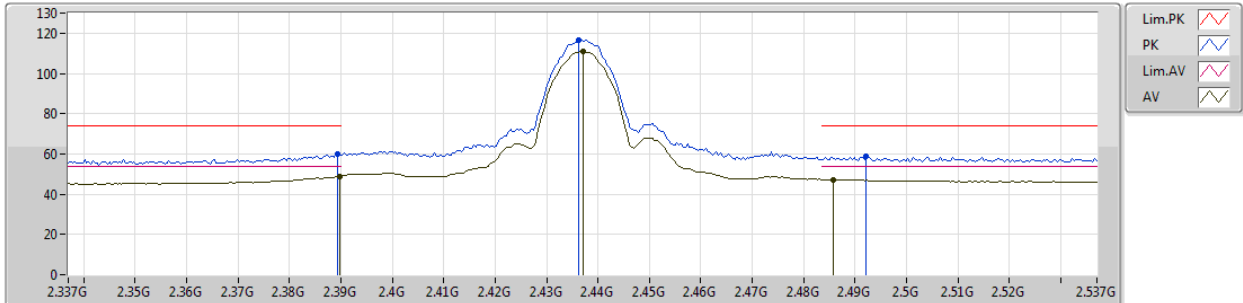


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	47.70	54.00	-6.30	30.38	3	Vertical	12	1.88	-
AV	2.437G	109.81	Inf	-Inf	30.54	3	Vertical	12	1.88	-
AV	2.4835G	47.40	54.00	-6.60	30.69	3	Vertical	12	1.88	-
PK	2.389G	58.71	74.00	-15.29	30.37	3	Vertical	12	1.88	-
PK	2.4362G	115.21	Inf	-Inf	30.54	3	Vertical	12	1.88	-
PK	2.4838G	58.33	74.00	-15.67	30.69	3	Vertical	12	1.88	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2019

2437MHz_TX

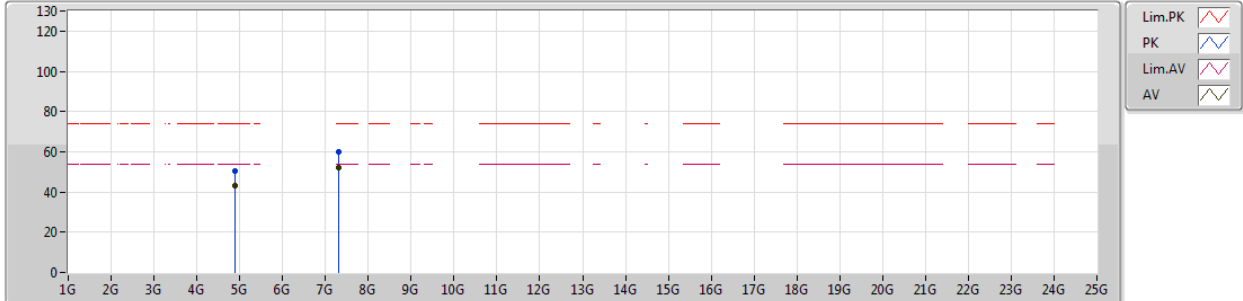


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	48.99	54.00	-5.01	30.69	3	Horizontal	321	2.06	-
AV	2.437G	111.06	Inf	-Inf	30.83	3	Horizontal	321	2.06	-
AV	2.4858G	47.20	54.00	-6.80	30.98	3	Horizontal	321	2.06	-
PK	2.3894G	60.17	74.00	-13.83	30.68	3	Horizontal	321	2.06	-
PK	2.4362G	116.62	Inf	-Inf	30.83	3	Horizontal	321	2.06	-
PK	2.4922G	58.90	74.00	-15.10	30.99	3	Horizontal	321	2.06	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2019

2437MHz_TX

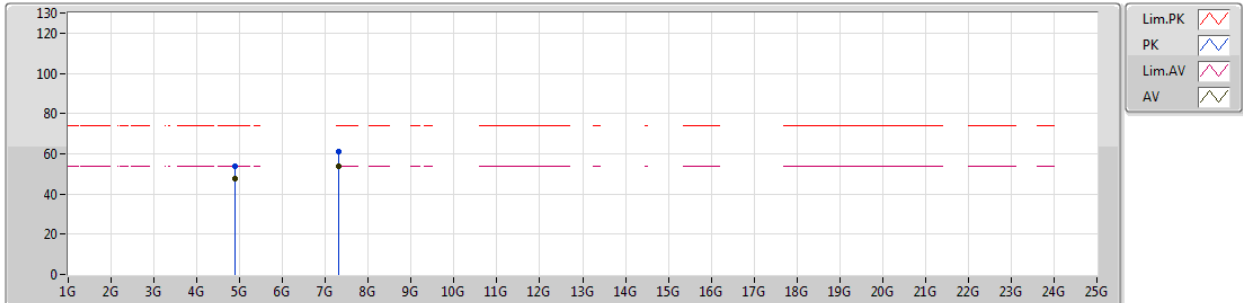


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.8794G	43.24	54.00	-10.76	6.01	3	Vertical	70	1.07	-
AV	7.31646G	52.14	54.00	-1.86	11.23	3	Vertical	359	1.66	-
PK	4.8797G	50.53	74.00	-23.47	6.01	3	Vertical	70	1.07	-
PK	7.31742G	59.83	74.00	-14.17	11.25	3	Vertical	359	1.66	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2019

2437MHz_TX

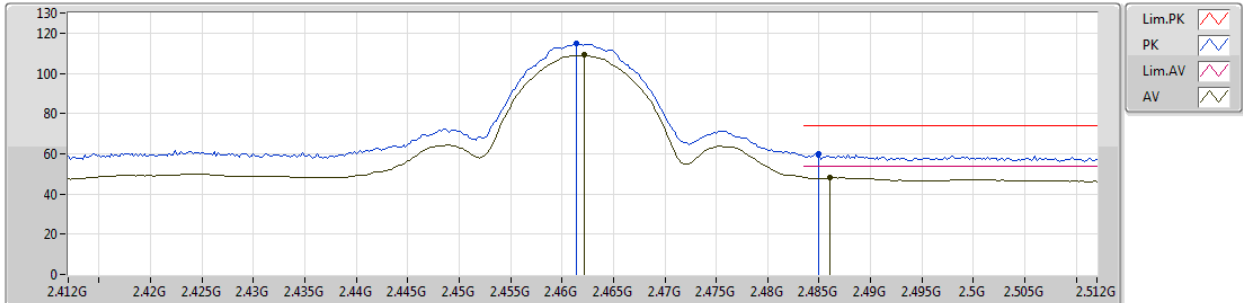


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.8794G	47.70	54.00	-6.30	6.01	3	Horizontal	39	1.88	-
AV	7.30596G	53.83	54.00	-0.17	11.22	3	Horizontal	29	1.01	-
PK	4.87964G	54.01	74.00	-19.99	6.01	3	Horizontal	39	1.88	-
PK	7.30674G	61.06	74.00	-12.94	11.21	3	Horizontal	29	1.01	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

10/02/2019

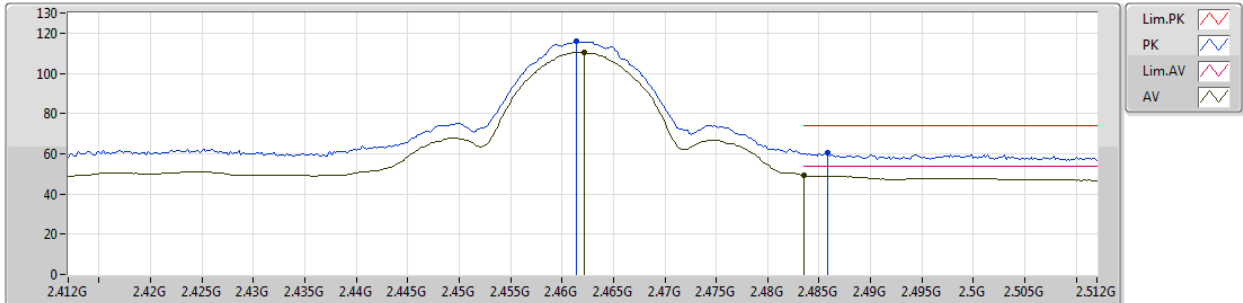


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	2.4622G	109.08	Inf	-Inf	30.62	3	Vertical	360	2.64	-								
AV	2.486G	48.12	54.00	-5.88	30.71	3	Vertical	360	2.64	-								
PK	2.4614G	114.64	Inf	-Inf	30.62	3	Vertical	360	2.64	-								
PK	2.485G	60.05	74.00	-13.95	30.69	3	Vertical	360	2.64	-								

802.11b_Nss1,(1Mbps)_2TX

10/02/2019

2462MHz_TX

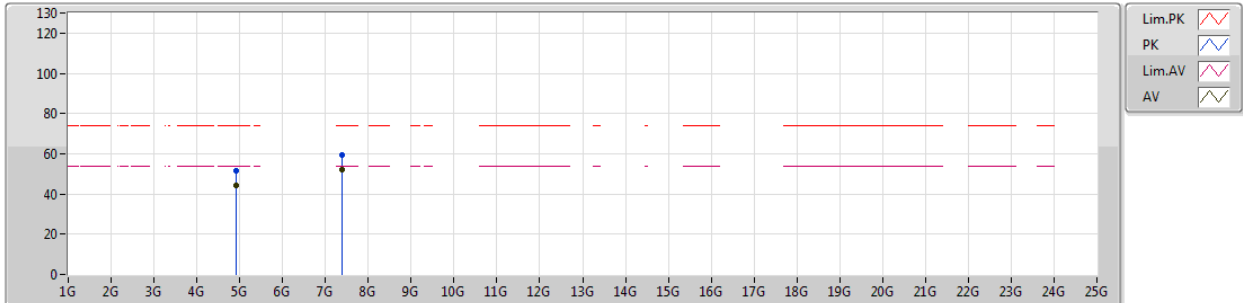


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4622G	110.42	Inf	-Inf	30.90	3	Horizontal	324	2.31	-
AV	2.4835G	49.23	54.00	-4.77	30.97	3	Horizontal	324	2.31	-
PK	2.4614G	116.03	Inf	-Inf	30.90	3	Horizontal	324	2.31	-
PK	2.4858G	60.50	74.00	-13.50	30.98	3	Horizontal	324	2.31	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2019

2462MHz_TX

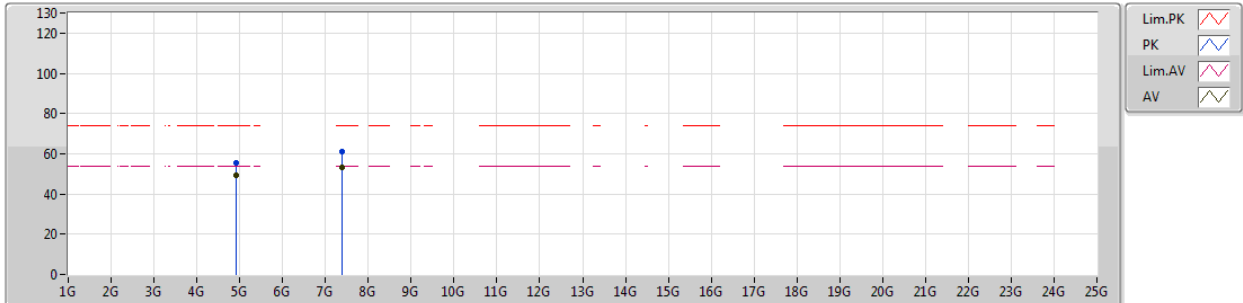


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.9294G	44.04	54.00	-9.96	6.10	3	Vertical	75	2.03	-
AV	7.38066G	52.21	54.00	-1.79	11.41	3	Vertical	29	2.99	-
PK	4.9297G	51.35	74.00	-22.65	6.10	3	Vertical	75	2.03	-
PK	7.38006G	59.59	74.00	-14.41	11.41	3	Vertical	29	2.99	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2019

2462MHz_TX

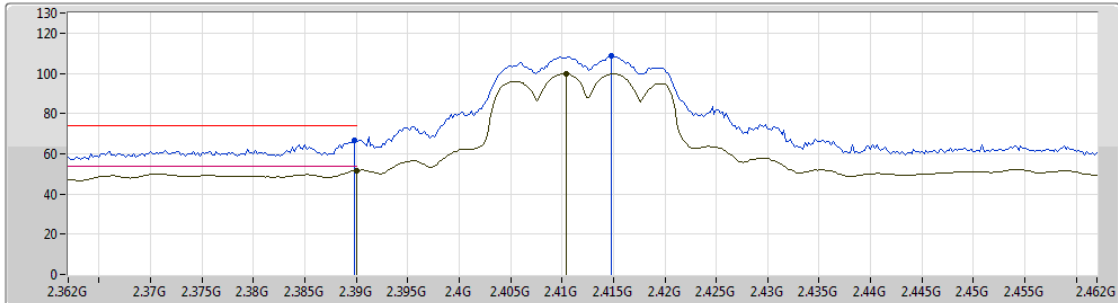


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.9189G	49.47	54.00	-4.53	6.09	3	Horizontal	335	1.04	-
AV	7.3809G	53.45	54.00	-0.55	11.41	3	Horizontal	15	1.73	-
PK	4.91872G	55.54	74.00	-18.46	6.09	3	Horizontal	335	1.04	-
PK	7.38192G	60.84	74.00	-13.16	11.40	3	Horizontal	15	1.73	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2019

2412MHz_TX



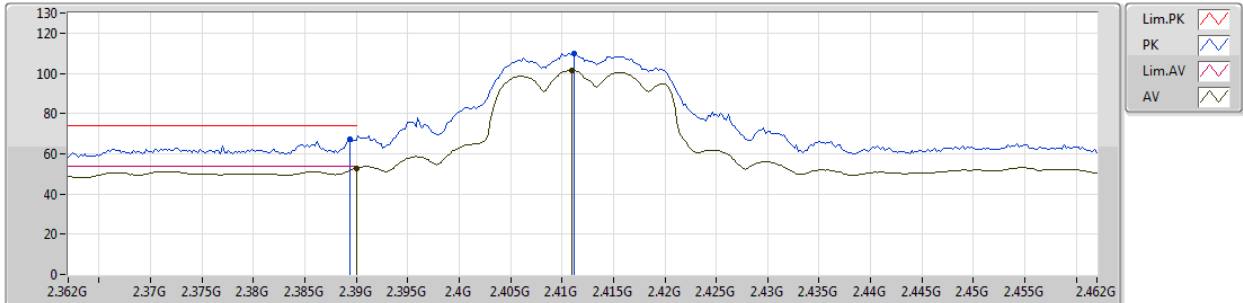
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PK	
Lim.AV	
AV	

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	2.39G	51.63	54.00	-2.37	30.38	3	Vertical	353	1.69	-								
AV	2.4104G	99.68	Inf	-Inf	30.44	3	Vertical	353	1.69	-								
PK	2.3898G	66.54	74.00	-7.46	30.38	3	Vertical	353	1.69	-								
PK	2.4148G	108.57	Inf	-Inf	30.46	3	Vertical	353	1.69	-								

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

10/02/2019

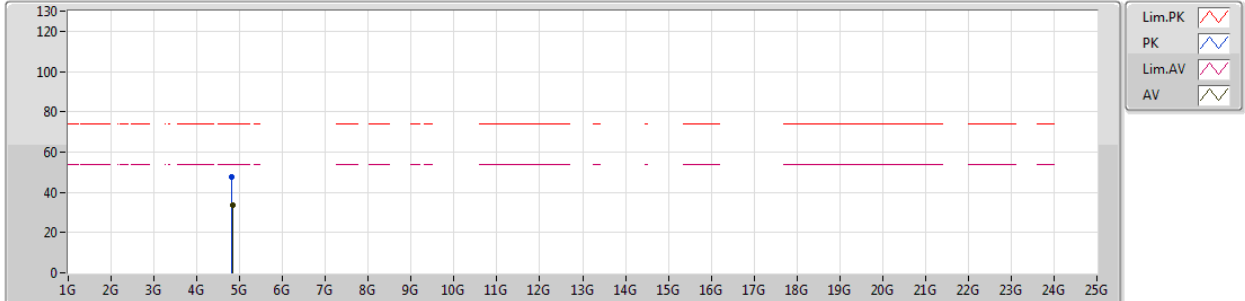


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	52.93	54.00	-1.07	30.69	3	Horizontal	177	1.85	-
AV	2.411G	101.47	Inf	-Inf	30.76	3	Horizontal	177	1.85	-
PK	2.3894G	67.34	74.00	-6.66	30.68	3	Horizontal	177	1.85	-
PK	2.4112G	110.08	Inf	-Inf	30.76	3	Horizontal	177	1.85	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2019

2412MHz_TX

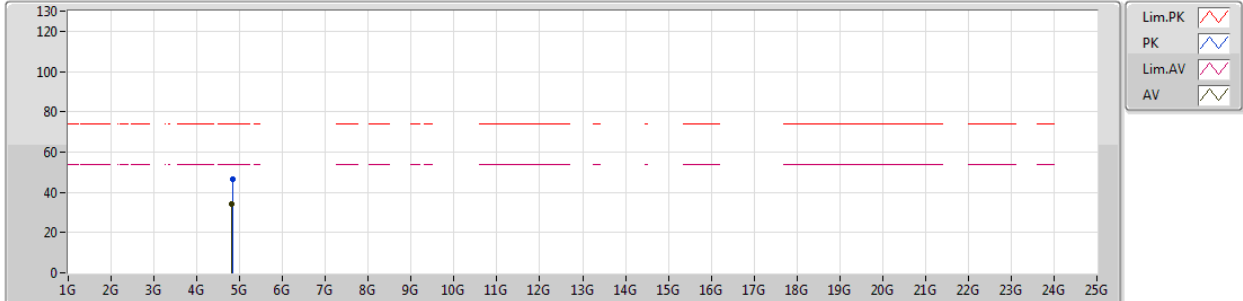


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.82478G	33.87	54.00	-20.13	5.89	3	Vertical	46	1.16	-
PK	4.82466G	47.39	74.00	-26.61	5.89	3	Vertical	46	1.16	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2019

2412MHz_TX

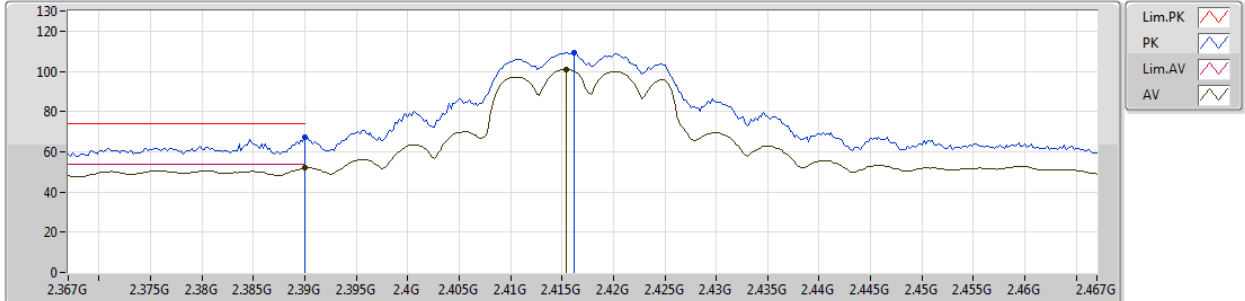


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.8219G	33.91	54.00	-20.09	5.89	3	Horizontal	43	1.50	-
PK	4.82616G	46.28	74.00	-27.72	5.90	3	Horizontal	43	1.50	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2019

2417MHz_TX

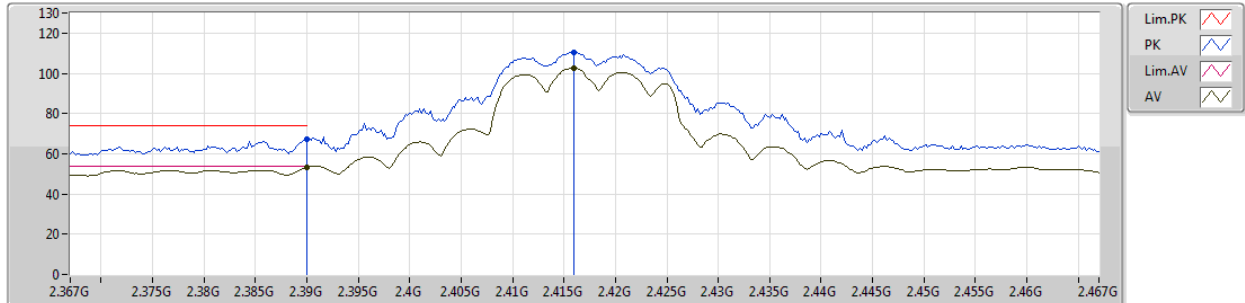


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments							
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)								
AV	2.39G	51.88	54.00	-2.12	30.38	3	Vertical	344	1.69	-							
AV	2.4154G	101.00	Inf	-Inf	30.47	3	Vertical	344	1.69	-							
PK	2.39G	67.18	74.00	-6.82	30.38	3	Vertical	344	1.69	-							
PK	2.4162G	109.12	Inf	-Inf	30.47	3	Vertical	344	1.69	-							

802.11g_Nss1,(6Mbps)_2TX

10/02/2019

2417MHz_TX

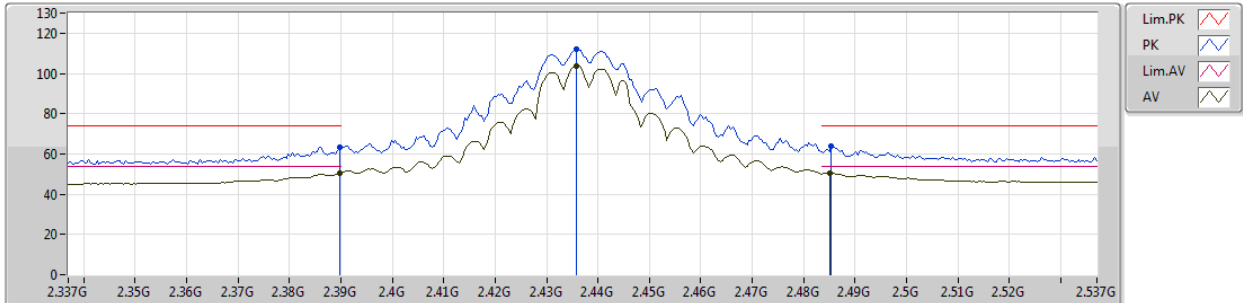


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	2.39G	53.27	54.00	-0.73	30.69	3	Horizontal	177	1.43	-								
AV	2.416G	102.44	Inf	-Inf	30.77	3	Horizontal	177	1.43	-								
PK	2.39G	67.23	74.00	-6.77	30.69	3	Horizontal	177	1.43	-								
PK	2.416G	110.57	Inf	-Inf	30.77	3	Horizontal	177	1.43	-								

802.11g_Nss1,(6Mbps)_2TX

10/02/2019

2437MHz_TX

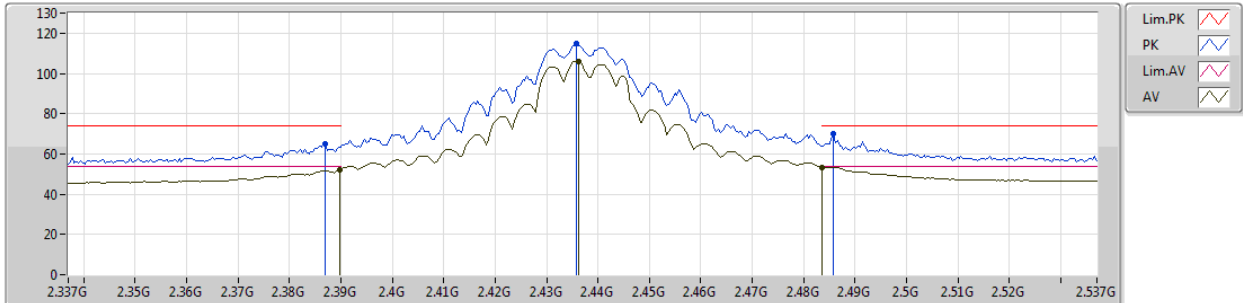


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	50.65	54.00	-3.35	30.38	3	Vertical	333	1.50	-
AV	2.4358G	103.53	Inf	-Inf	30.54	3	Vertical	333	1.50	-
AV	2.485G	50.60	54.00	-3.40	30.69	3	Vertical	333	1.50	-
PK	2.3898G	63.57	74.00	-10.43	30.38	3	Vertical	333	1.50	-
PK	2.4358G	111.84	Inf	-Inf	30.54	3	Vertical	333	1.50	-
PK	2.4854G	63.86	74.00	-10.14	30.70	3	Vertical	333	1.50	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2019

2437MHz_TX

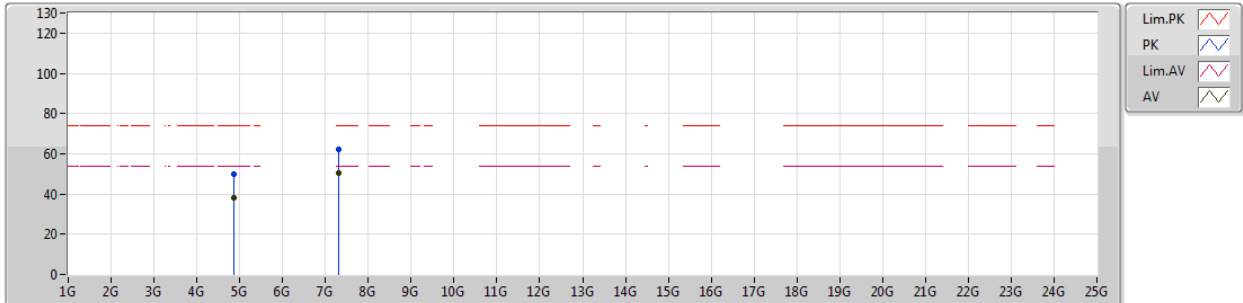


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	52.19	54.00	-1.81	30.69	3	Horizontal	178	1.56	-
AV	2.4362G	106.09	Inf	-Inf	30.83	3	Horizontal	178	1.56	-
AV	2.4835G	53.46	54.00	-0.54	30.97	3	Horizontal	178	1.56	-
PK	2.387G	65.02	74.00	-8.98	30.68	3	Horizontal	178	1.56	-
PK	2.4358G	114.73	Inf	-Inf	30.83	3	Horizontal	178	1.56	-
PK	2.4858G	69.99	74.00	-4.01	30.98	3	Horizontal	178	1.56	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2019

2437MHz_TX

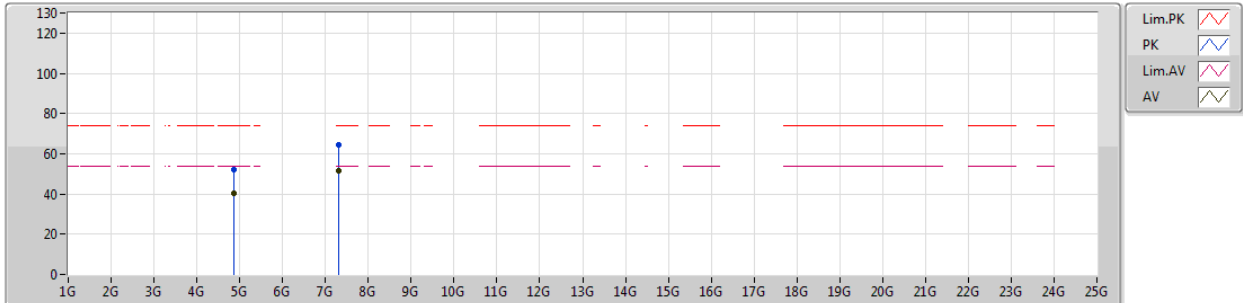


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.8734G	38.20	54.00	-15.80	6.00	3	Vertical	61	1.11	-
AV	7.3131G	50.16	54.00	-3.84	11.22	3	Vertical	20	2.95	-
PK	4.87358G	49.71	74.00	-24.29	6.00	3	Vertical	61	1.11	-
PK	7.30806G	62.46	74.00	-11.54	11.21	3	Vertical	20	2.95	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2019

2437MHz_TX

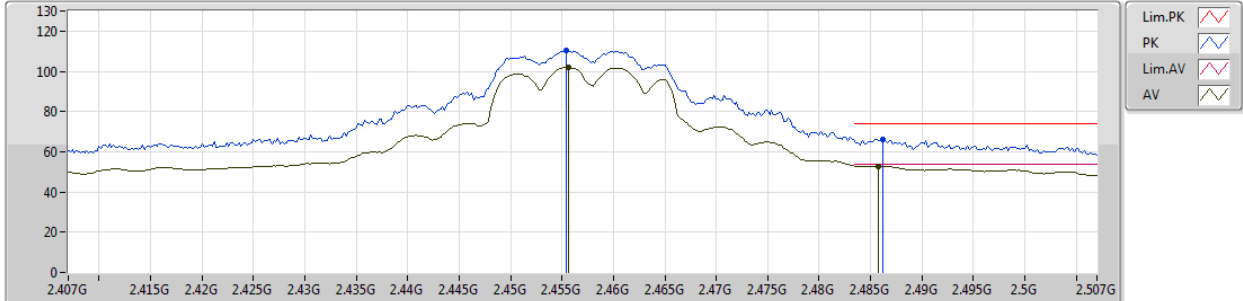


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.87244G	40.30	54.00	-13.70	6.00	3	Horizontal	36	1.70	-
AV	7.31154G	51.35	54.00	-2.65	11.22	3	Horizontal	30	1.50	-
PK	4.87226G	52.32	74.00	-21.68	6.00	3	Horizontal	36	1.70	-
PK	7.31076G	64.24	74.00	-9.76	11.22	3	Horizontal	30	1.50	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2019

2457MHz_TX

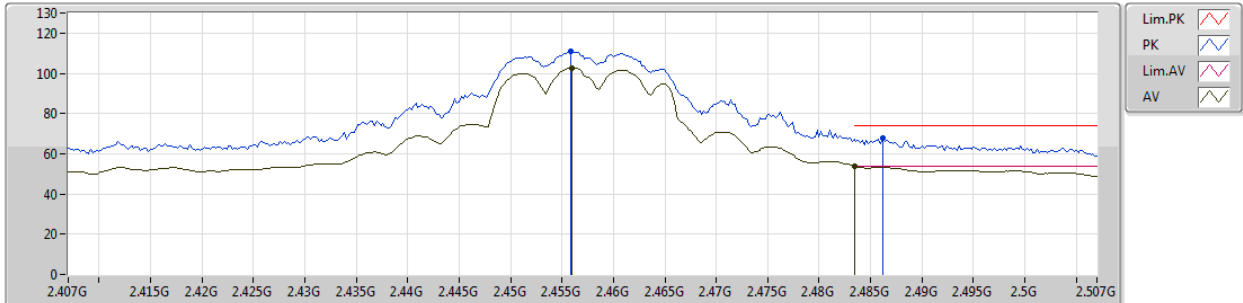


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4556G	102.01	Inf	-Inf	30.60	3	Vertical	345	1.63	-
AV	2.4858G	52.95	54.00	-1.05	30.71	3	Vertical	345	1.63	-
PK	2.4554G	110.35	Inf	-Inf	30.60	3	Vertical	345	1.63	-
PK	2.4862G	66.38	74.00	-7.62	30.71	3	Vertical	345	1.63	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2019

2457MHz_TX

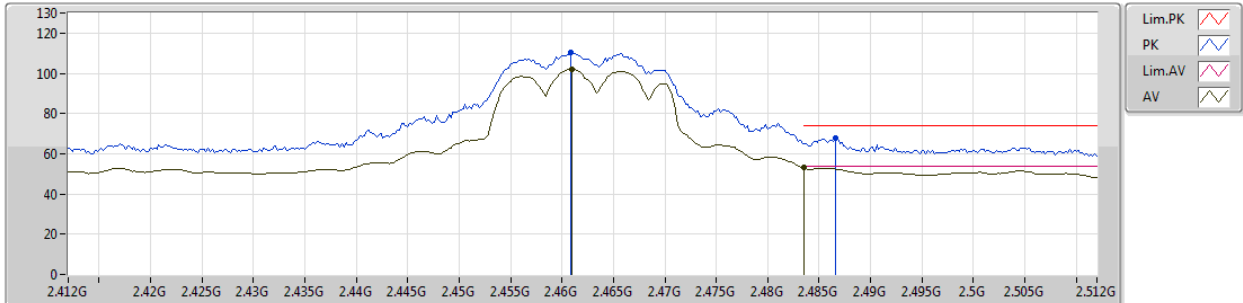


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.456G	102.63	Inf	-Inf	30.88	3	Horizontal	178	1.39	-
AV	2.4835G	53.82	54.00	-0.18	30.97	3	Horizontal	178	1.39	-
PK	2.4558G	111.07	Inf	-Inf	30.88	3	Horizontal	178	1.39	-
PK	2.4862G	67.84	74.00	-6.16	30.98	3	Horizontal	178	1.39	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

10/02/2019

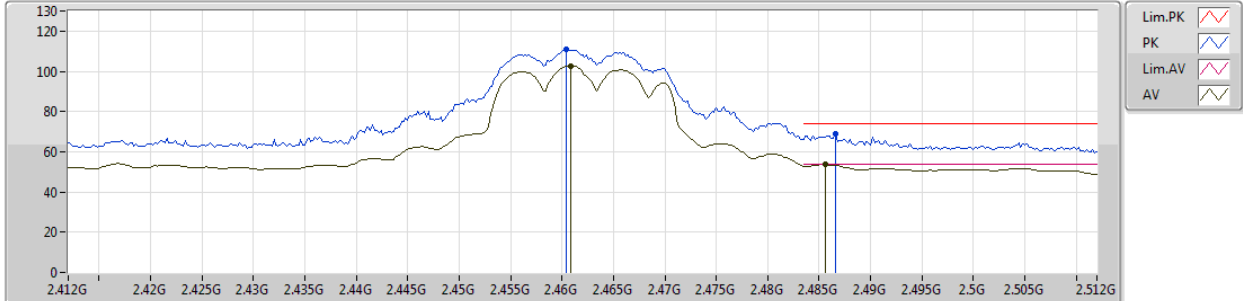


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments							
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)								
AV	2.461G	101.85	Inf	-Inf	30.62	3	Vertical	318	1.05	-							
AV	2.4835G	53.05	54.00	-0.95	30.69	3	Vertical	318	1.05	-							
PK	2.4608G	110.21	Inf	-Inf	30.62	3	Vertical	318	1.05	-							
PK	2.4866G	67.57	74.00	-6.43	30.71	3	Vertical	318	1.05	-							

802.11g_Nss1,(6Mbps)_2TX

10/02/2019

2462MHz_TX

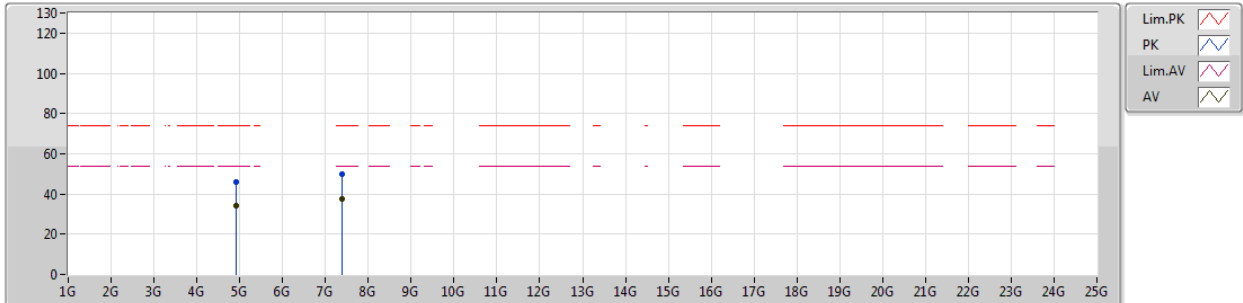


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4608G	102.72	Inf	-Inf	30.90	3	Horizontal	178	1.09	-
AV	2.4856G	53.59	54.00	-0.41	30.98	3	Horizontal	178	1.09	-
PK	2.4604G	110.83	Inf	-Inf	30.89	3	Horizontal	178	1.09	-
PK	2.4866G	69.10	74.00	-4.90	30.98	3	Horizontal	178	1.09	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2019

2462MHz_TX

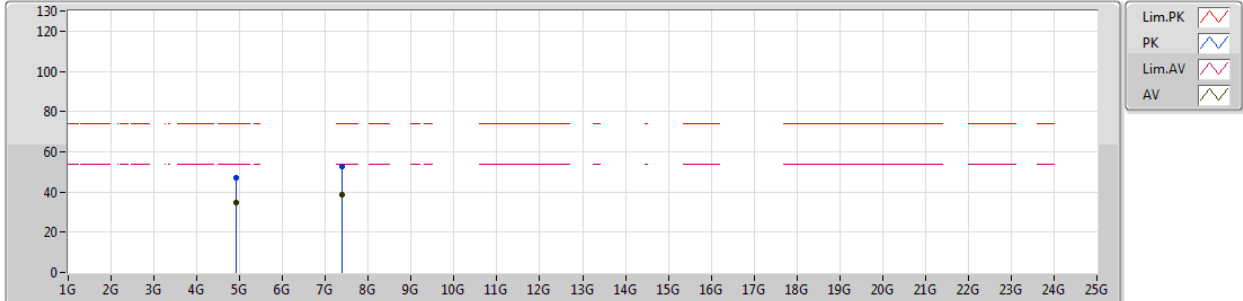


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.92484G	34.03	54.00	-19.97	6.09	3	Vertical	48	1.75	-
AV	7.37934G	37.61	54.00	-16.39	11.41	3	Vertical	324	1.61	-
PK	4.92544G	46.12	74.00	-27.88	6.10	3	Vertical	48	1.75	-
PK	7.38228G	49.74	74.00	-24.26	11.40	3	Vertical	324	1.61	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2019

2462MHz_TX

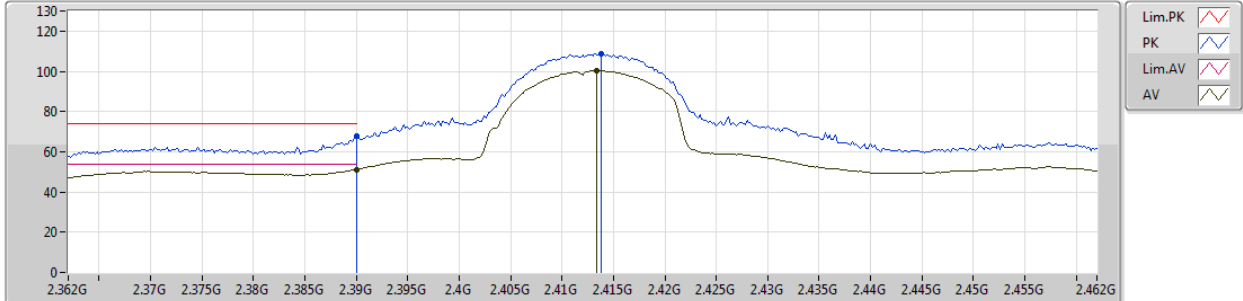


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.9204G	34.93	54.00	-19.07	6.09	3	Horizontal	344	2.93	-
AV	7.38234G	38.51	54.00	-15.49	11.40	3	Horizontal	13	1.53	-
PK	4.92436G	47.25	74.00	-26.75	6.09	3	Horizontal	344	2.93	-
PK	7.3782G	52.60	74.00	-21.40	11.40	3	Horizontal	13	1.53	-

802.11n HT20_Nss1,(MCS0)_2TX

10/02/2019

2412MHz_TX

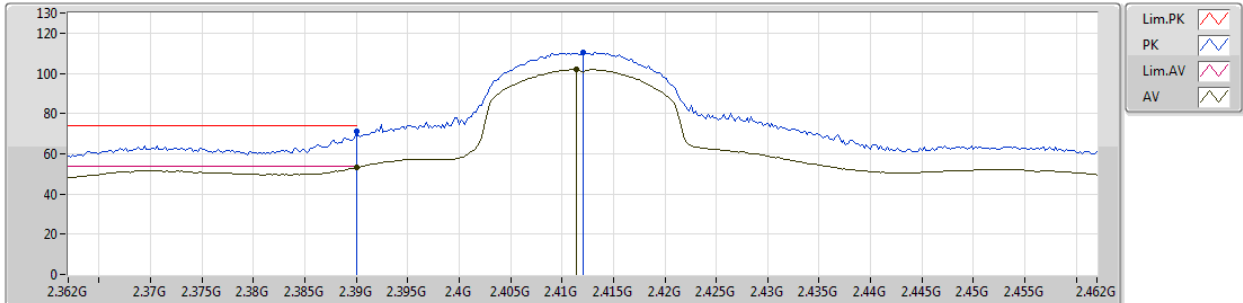


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	2.39G	51.08	54.00	-2.92	30.38	3	Vertical	359	1.69	-								
AV	2.4134G	100.28	Inf	-Inf	30.45	3	Vertical	359	1.69	-								
PK	2.39G	67.74	74.00	-6.26	30.38	3	Vertical	359	1.69	-								
PK	2.4138G	108.82	Inf	-Inf	30.45	3	Vertical	359	1.69	-								

802.11n HT20_Nss1,(MCS0)_2TX

10/02/2019

2412MHz_TX

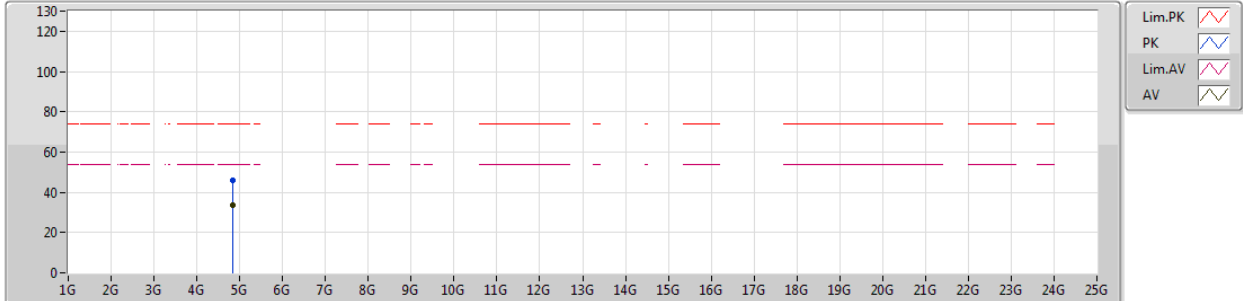


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	53.16	54.00	-0.84	30.69	3	Horizontal	310	2.37	-
AV	2.4114G	101.84	Inf	-Inf	30.76	3	Horizontal	310	2.37	-
PK	2.39G	71.01	74.00	-2.99	30.69	3	Horizontal	310	2.37	-
PK	2.412G	110.36	Inf	-Inf	30.76	3	Horizontal	310	2.37	-

802.11n HT20_Nss1,(MCS0)_2TX

10/02/2019

2412MHz_TX

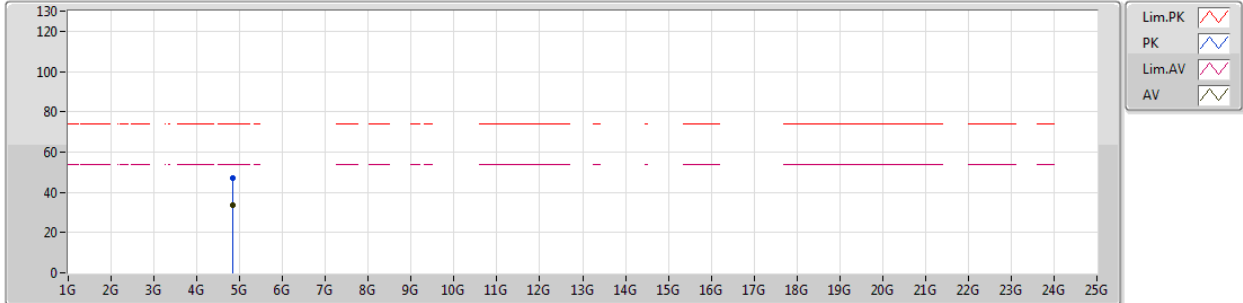


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.82556G	33.50	54.00	-20.50	5.90	3	Vertical	45	1.18	-
PK	4.82478G	45.95	74.00	-28.05	5.89	3	Vertical	45	1.18	-

802.11n HT20_Nss1,(MCS0)_2TX

10/02/2019

2412MHz_TX

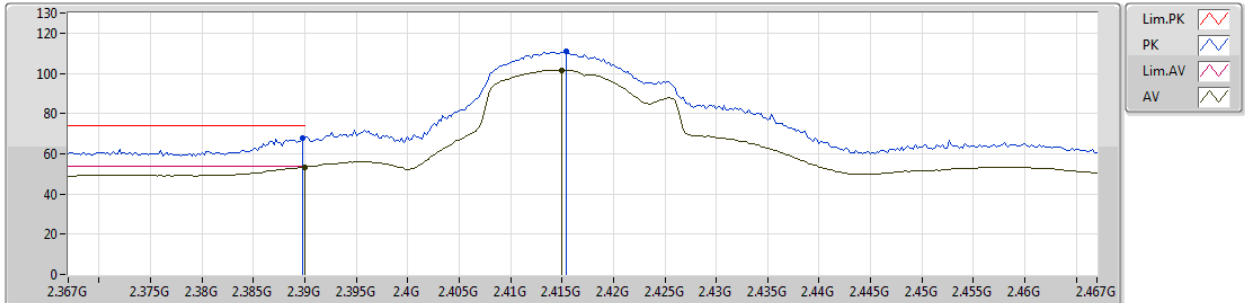


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	4.8267G	33.85	54.00	-20.15	5.90	3	Horizontal	340	1.61	-								
PK	4.82604G	47.05	74.00	-26.95	5.90	3	Horizontal	340	1.61	-								

802.11n HT20_Nss1,(MCS0)_2TX

10/02/2019

2417MHz_TX

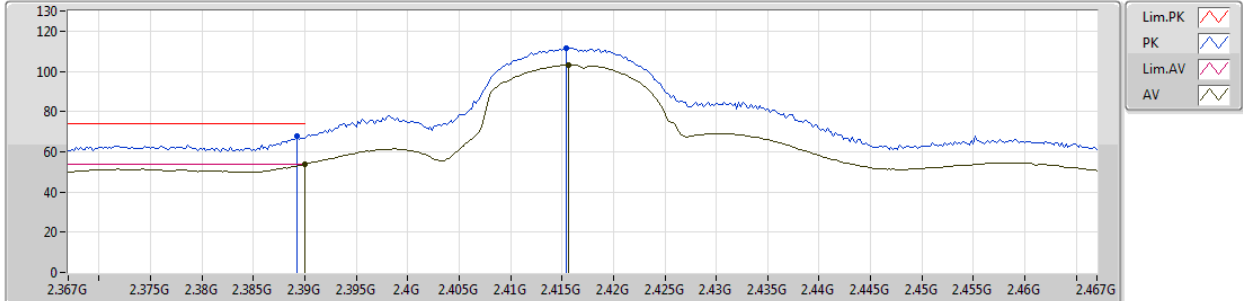


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	53.51	54.00	-0.49	30.38	3	Vertical	301	1.07	-
AV	2.415G	101.68	Inf	-Inf	30.47	3	Vertical	301	1.07	-
PK	2.3898G	67.93	74.00	-6.07	30.38	3	Vertical	301	1.07	-
PK	2.4154G	110.71	Inf	-Inf	30.47	3	Vertical	301	1.07	-

802.11n HT20_Nss1,(MCS0)_2TX

10/02/2019

2417MHz_TX

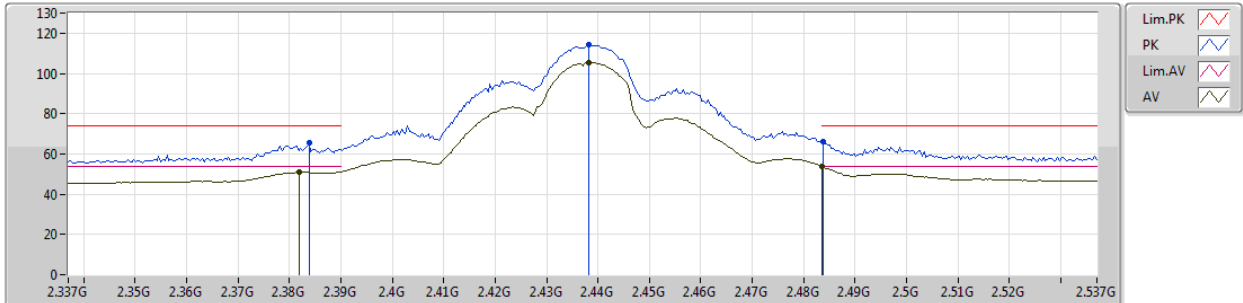


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	2.39G	53.61	54.00	-0.39	30.69	3	Horizontal	53	1.01	-								
AV	2.4156G	103.14	Inf	-Inf	30.77	3	Horizontal	53	1.01	-								
PK	2.3892G	67.88	74.00	-6.12	30.68	3	Horizontal	53	1.01	-								
PK	2.4154G	111.76	Inf	-Inf	30.77	3	Horizontal	53	1.01	-								

802.11n HT20_Nss1,(MCS0)_2TX

10/02/2019

2437MHz_TX

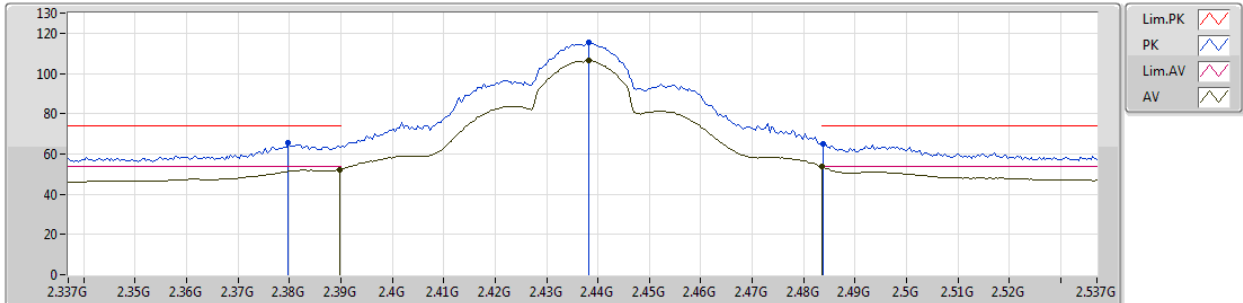


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3818G	51.00	54.00	-3.00	30.35	3	Vertical	358	1.89	-
AV	2.4382G	105.40	Inf	-Inf	30.54	3	Vertical	358	1.89	-
AV	2.4835G	53.78	54.00	-0.22	30.69	3	Vertical	358	1.89	-
PK	2.3838G	65.84	74.00	-8.16	30.36	3	Vertical	358	1.89	-
PK	2.4382G	114.14	Inf	-Inf	30.54	3	Vertical	358	1.89	-
PK	2.4838G	65.99	74.00	-8.01	30.69	3	Vertical	358	1.89	-

802.11n HT20_Nss1,(MCS0)_2TX

10/02/2019

2437MHz_TX

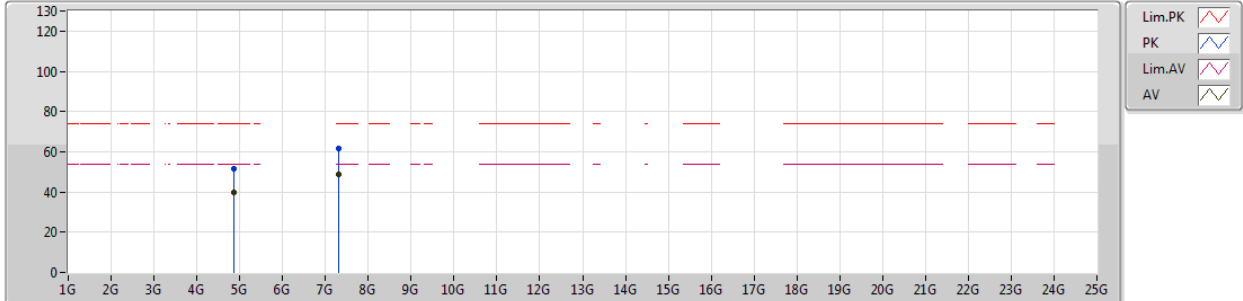


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	52.32	54.00	-1.68	30.69	3	Horizontal	318	2.08	-
AV	2.4382G	106.38	Inf	-Inf	30.83	3	Horizontal	318	2.08	-
AV	2.4835G	53.58	54.00	-0.42	30.97	3	Horizontal	318	2.08	-
PK	2.3798G	65.43	74.00	-8.57	30.66	3	Horizontal	318	2.08	-
PK	2.4382G	115.16	Inf	-Inf	30.83	3	Horizontal	318	2.08	-
PK	2.4838G	65.05	74.00	-8.95	30.97	3	Horizontal	318	2.08	-

802.11n HT20_Nss1,(MCS0)_2TX

10/02/2019

2437MHz_TX

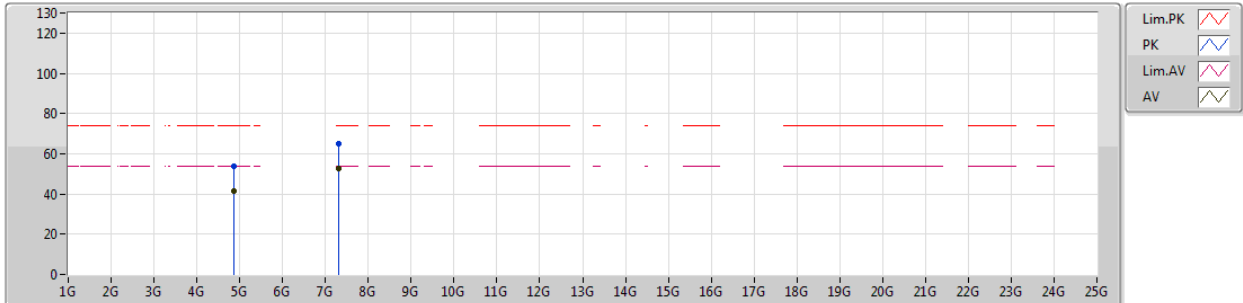


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments							
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)								
AV	4.8722G	39.91	54.00	-14.09	6.00	3	Vertical	64	1.01	-							
AV	7.31082G	48.98	54.00	-5.02	11.22	3	Vertical	9	1.50	-							
PK	4.87292G	51.79	74.00	-22.21	6.00	3	Vertical	64	1.01	-							
PK	7.31022G	61.89	74.00	-12.11	11.22	3	Vertical	9	1.50	-							

802.11n HT20_Nss1,(MCS0)_2TX

10/02/2019

2437MHz_TX

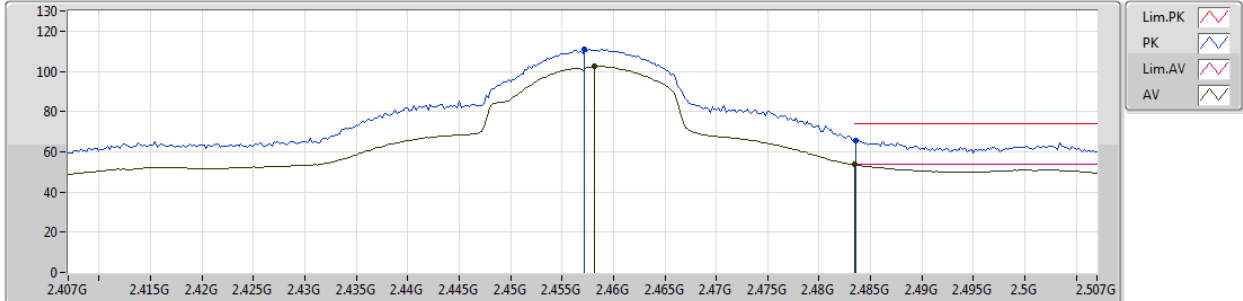


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.87016G	41.26	54.00	-12.74	6.00	3	Horizontal	36	1.79	-
AV	7.31076G	52.46	54.00	-1.54	11.22	3	Horizontal	16	1.50	-
PK	4.86752G	53.94	74.00	-20.06	5.98	3	Horizontal	36	1.79	-
PK	7.3128G	65.23	74.00	-8.77	11.22	3	Horizontal	16	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

10/02/2019

2457MHz_TX

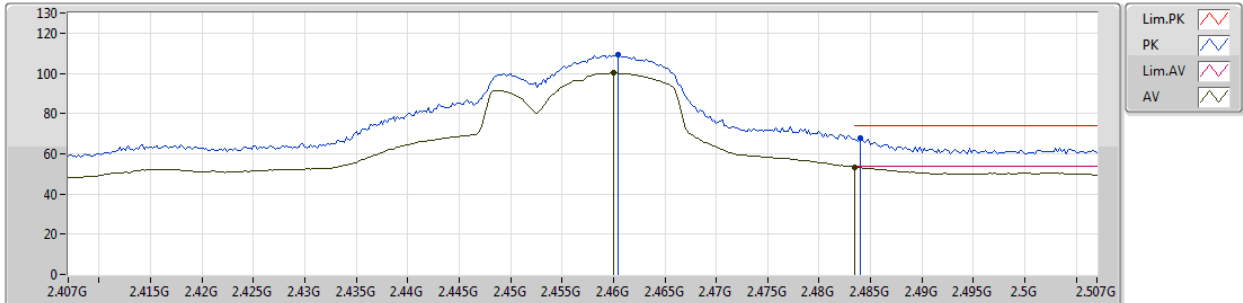


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4582G	102.32	Inf	-Inf	30.61	3	Vertical	358	1.83	-
AV	2.4835G	53.54	54.00	-0.46	30.69	3	Vertical	358	1.83	-
PK	2.4572G	111.08	Inf	-Inf	30.61	3	Vertical	358	1.83	-
PK	2.4836G	65.71	74.00	-8.29	30.69	3	Vertical	358	1.83	-

802.11n HT20_Nss1,(MCS0)_2TX

10/02/2019

2457MHz_TX

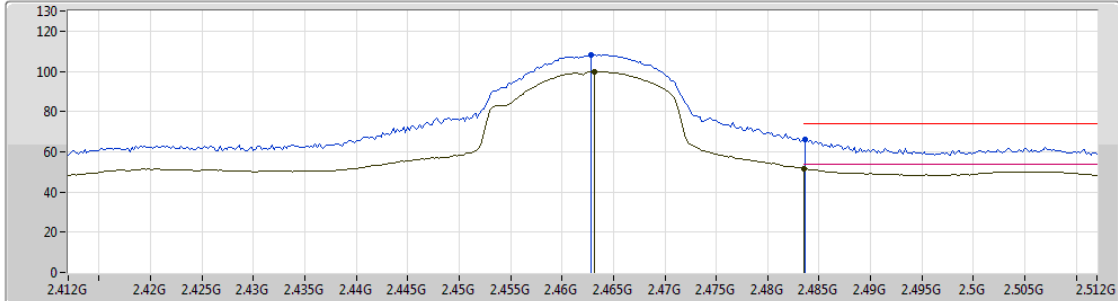


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.46G	100.14	Inf	-Inf	30.89	3	Horizontal	179	1.37	-
AV	2.4835G	53.46	54.00	-0.54	30.97	3	Horizontal	179	1.37	-
PK	2.4604G	109.53	Inf	-Inf	30.89	3	Horizontal	179	1.37	-
PK	2.484G	67.53	74.00	-6.47	30.97	3	Horizontal	179	1.37	-

802.11n HT20_Nss1,(MCS0)_2TX

10/02/2019

2462MHz_TX



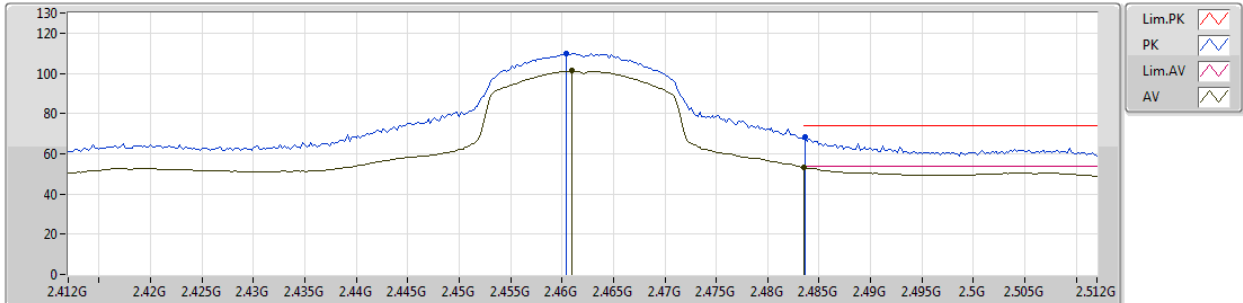
Lim.PK	☒
PK	☒
Lim.AV	☒
AV	☒

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4632G	99.88	Inf	-Inf	30.62	3	Vertical	358	1.85	-
AV	2.4835G	51.55	54.00	-2.45	30.69	3	Vertical	358	1.85	-
PK	2.4628G	108.33	Inf	-Inf	30.62	3	Vertical	358	1.85	-
PK	2.4836G	66.15	74.00	-7.85	30.69	3	Vertical	358	1.85	-

802.11n HT20_Nss1,(MCS0)_2TX

10/02/2019

2462MHz_TX

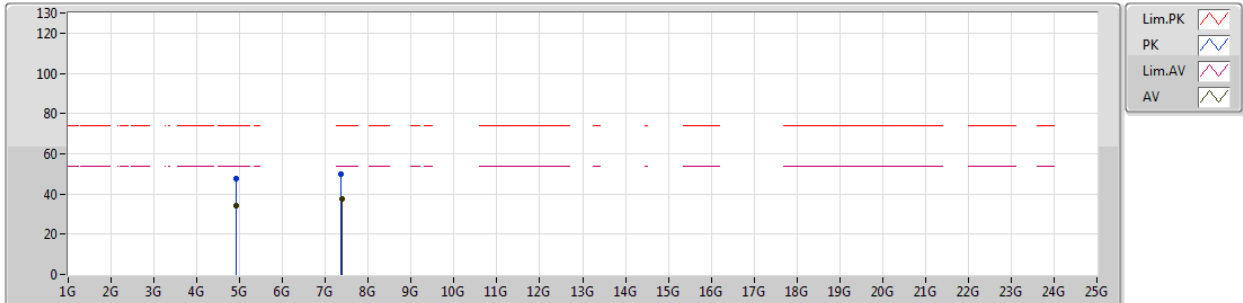


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.461G	101.20	Inf	-Inf	30.90	3	Horizontal	315	2.29	-
AV	2.4835G	53.46	54.00	-0.54	30.97	3	Horizontal	315	2.29	-
PK	2.4604G	109.78	Inf	-Inf	30.89	3	Horizontal	315	2.29	-
PK	2.4836G	68.44	74.00	-5.56	30.97	3	Horizontal	315	2.29	-

802.11n HT20_Nss1,(MCS0)_2TX

10/02/2019

2462MHz_TX

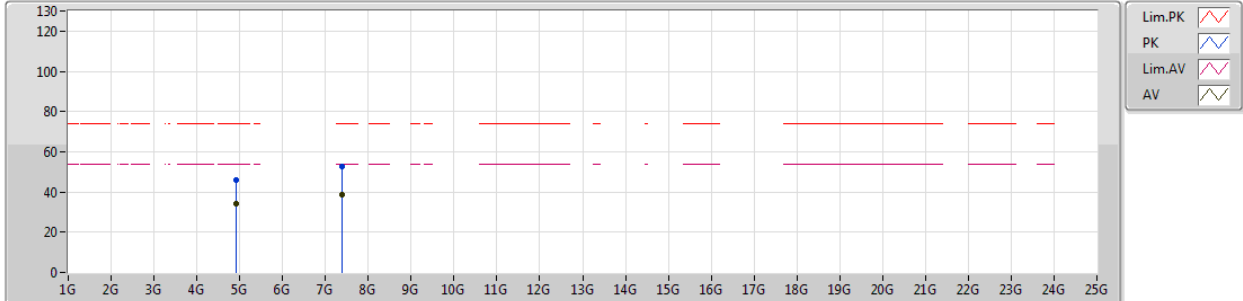


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.92238G	34.18	54.00	-19.82	6.09	3	Vertical	66	1.06	-
AV	7.38576G	37.72	54.00	-16.28	11.42	3	Vertical	360	2.96	-
PK	4.921G	47.49	74.00	-26.51	6.09	3	Vertical	66	1.06	-
PK	7.37118G	49.90	74.00	-24.10	11.38	3	Vertical	360	2.96	-

802.11n HT20_Nss1,(MCS0)_2TX

10/02/2019

2462MHz_TX

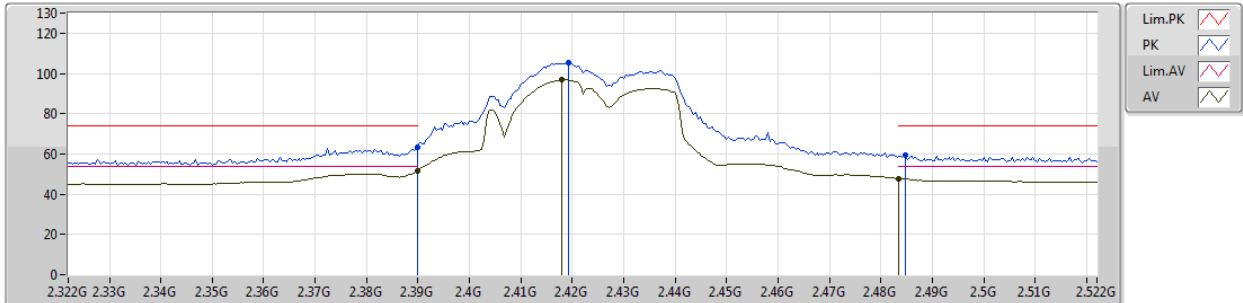


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.92586G	34.14	54.00	-19.86	6.10	3	Horizontal	340	1.27	-
AV	7.38528G	38.42	54.00	-15.58	11.42	3	Horizontal	15	1.50	-
PK	4.9267G	45.89	74.00	-28.11	6.10	3	Horizontal	340	1.27	-
PK	7.38282G	52.48	74.00	-21.52	11.41	3	Horizontal	15	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

10/02/2019

2422MHz_TX

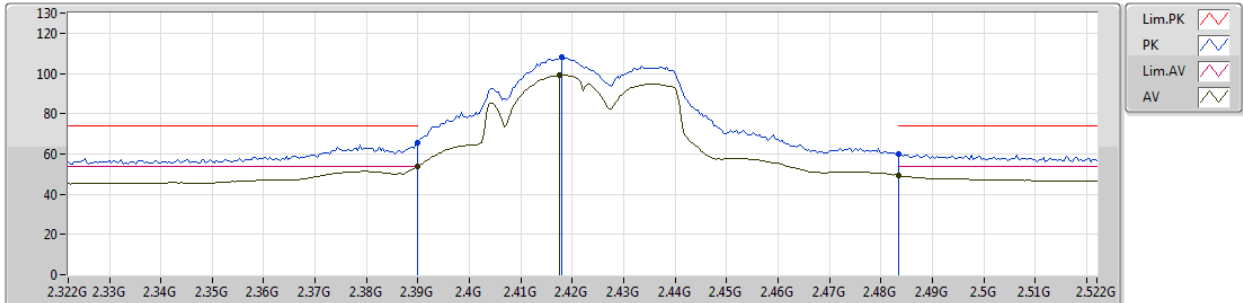


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	51.63	54.00	-2.37	30.38	3	Vertical	322	1.27	-
AV	2.418G	96.72	Inf	-Inf	30.47	3	Vertical	322	1.27	-
AV	2.4835G	47.87	54.00	-6.13	30.69	3	Vertical	322	1.27	-
PK	2.39G	63.05	74.00	-10.95	30.38	3	Vertical	322	1.27	-
PK	2.4192G	105.14	Inf	-Inf	30.48	3	Vertical	322	1.27	-
PK	2.4848G	59.44	74.00	-14.56	30.69	3	Vertical	322	1.27	-

802.11n HT40_Nss1,(MCS0)_2TX

10/02/2019

2422MHz_TX

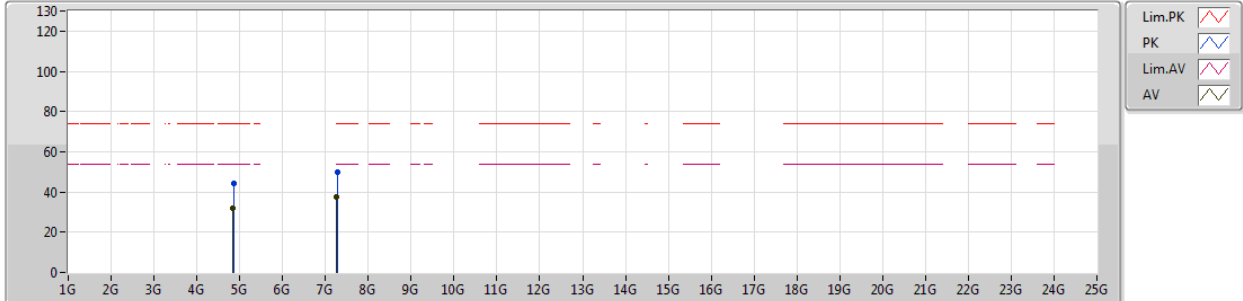


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	53.72	54.00	-0.28	30.69	3	Horizontal	178	1.21	-
AV	2.4176G	99.05	Inf	-Inf	30.77	3	Horizontal	178	1.21	-
AV	2.4835G	49.23	54.00	-4.77	30.97	3	Horizontal	178	1.21	-
PK	2.39G	65.52	74.00	-8.48	30.69	3	Horizontal	178	1.21	-
PK	2.418G	107.90	Inf	-Inf	30.77	3	Horizontal	178	1.21	-
PK	2.4835G	60.00	74.00	-14.00	30.97	3	Horizontal	178	1.21	-

802.11n HT40_Nss1,(MCS0)_2TX

10/02/2019

2422MHz_TX

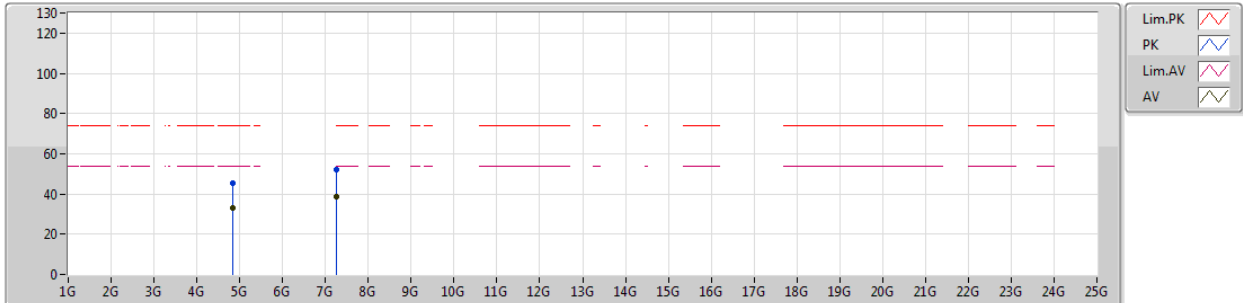


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments							
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)								
AV	4.84634G	31.91	54.00	-22.09	5.93	3	Vertical	121	1.66	-							
AV	7.26732G	37.52	54.00	-16.48	11.11	3	Vertical	309	2.17	-							
PK	4.85786G	44.53	74.00	-29.47	5.97	3	Vertical	121	1.66	-							
PK	7.27374G	49.75	74.00	-24.25	11.12	3	Vertical	309	2.17	-							

802.11n HT40_Nss1,(MCS0)_2TX

10/02/2019

2422MHz_TX

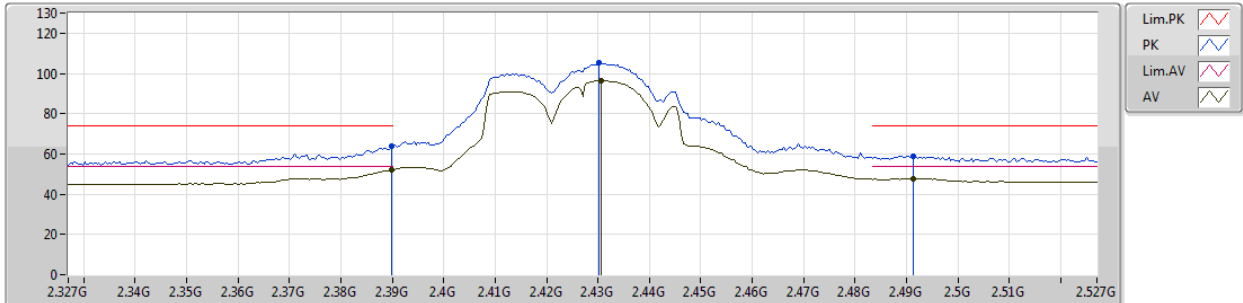


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments							
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)								
AV	4.84406G	32.96	54.00	-21.04	5.93	3	Horizontal	54	1.27	-							
AV	7.26054G	38.71	54.00	-15.29	11.09	3	Horizontal	264	2.26	-							
PK	4.8434G	45.48	74.00	-28.52	5.93	3	Horizontal	54	1.27	-							
PK	7.25658G	52.03	74.00	-21.97	11.08	3	Horizontal	264	2.26	-							

802.11n HT40_Nss1,(MCS0)_2TX

10/02/2019

2427MHz_TX

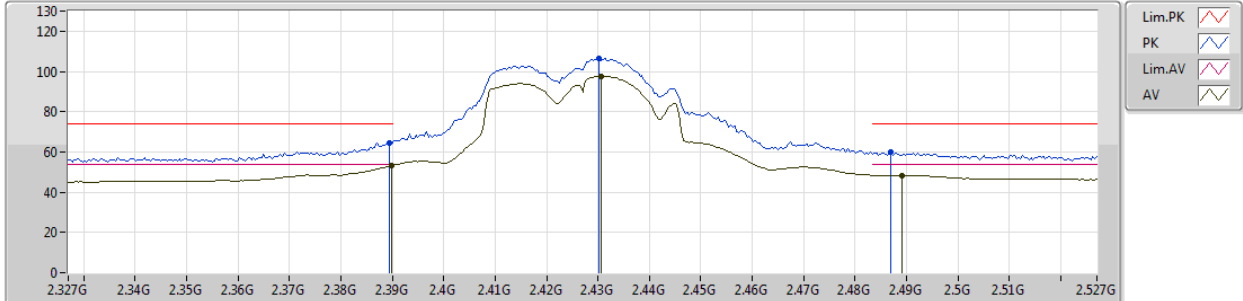


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	52.14	54.00	-1.86	30.38	3	Vertical	335	1.50	-
AV	2.4306G	96.29	Inf	-Inf	30.51	3	Vertical	335	1.50	-
AV	2.4914G	47.68	54.00	-6.32	30.72	3	Vertical	335	1.50	-
PK	2.3898G	63.85	74.00	-10.15	30.38	3	Vertical	335	1.50	-
PK	2.4302G	105.47	Inf	-Inf	30.51	3	Vertical	335	1.50	-
PK	2.4914G	58.81	74.00	-15.19	30.72	3	Vertical	335	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

10/02/2019

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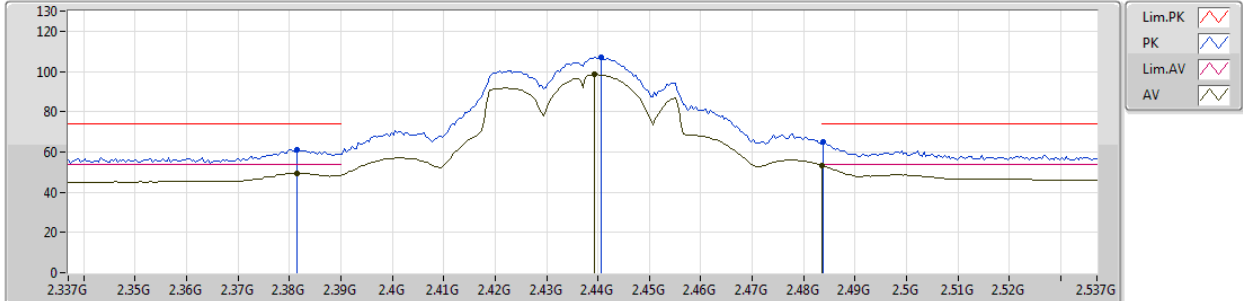


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	53.16	54.00	-0.84	30.69	3	Horizontal	179	1.40	-
AV	2.4306G	97.61	Inf	-Inf	30.81	3	Horizontal	179	1.40	-
AV	2.489G	48.39	54.00	-5.61	30.98	3	Horizontal	179	1.40	-
PK	2.3894G	64.68	74.00	-9.32	30.68	3	Horizontal	179	1.40	-
PK	2.4302G	106.34	Inf	-Inf	30.81	3	Horizontal	179	1.40	-
PK	2.487G	59.79	74.00	-14.21	30.98	3	Horizontal	179	1.40	-

802.11n HT40_Nss1,(MCS0)_2TX

10/02/2019

2437MHz_TX

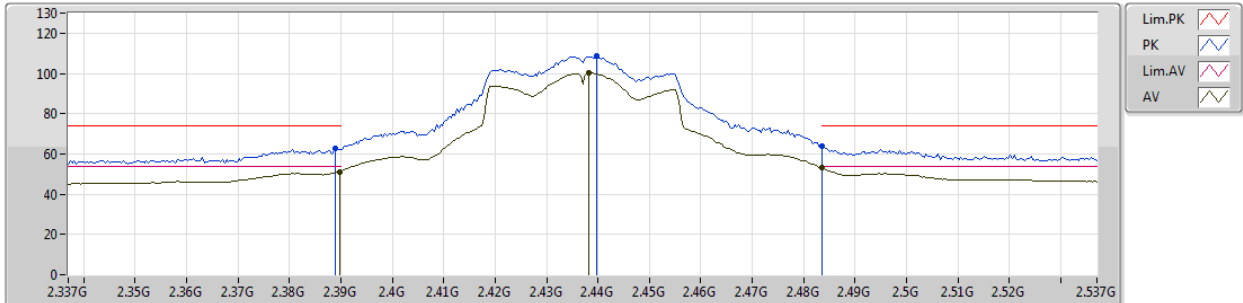


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3814G	49.47	54.00	-4.53	30.35	3	Vertical	346	1.90	-
AV	2.4394G	98.39	Inf	-Inf	30.54	3	Vertical	346	1.90	-
AV	2.4835G	53.18	54.00	-0.82	30.69	3	Vertical	346	1.90	-
PK	2.3814G	61.25	74.00	-12.75	30.35	3	Vertical	346	1.90	-
PK	2.4406G	107.13	Inf	-Inf	30.55	3	Vertical	346	1.90	-
PK	2.4838G	65.08	74.00	-8.92	30.69	3	Vertical	346	1.90	-

802.11n HT40_Nss1,(MCS0)_2TX

10/02/2019

2437MHz_TX

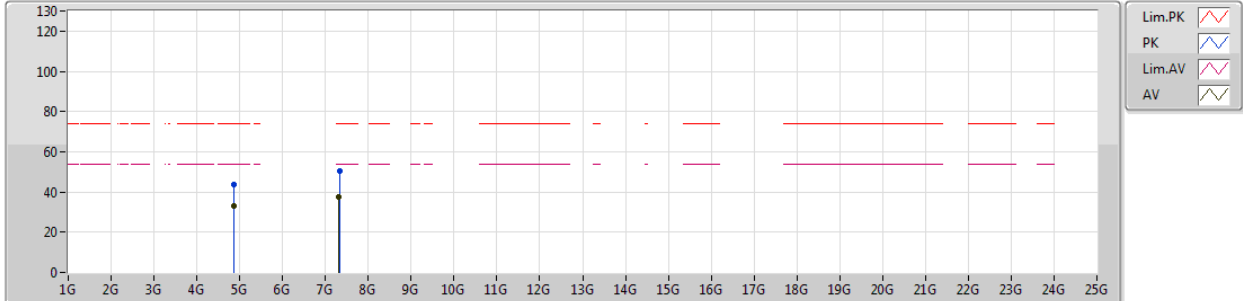


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	51.11	54.00	-2.89	30.69	3	Horizontal	318	2.07	-
AV	2.4382G	100.23	Inf	-Inf	30.83	3	Horizontal	318	2.07	-
AV	2.4835G	53.08	54.00	-0.92	30.97	3	Horizontal	318	2.07	-
PK	2.389G	62.71	74.00	-11.29	30.68	3	Horizontal	318	2.07	-
PK	2.4398G	108.44	Inf	-Inf	30.84	3	Horizontal	318	2.07	-
PK	2.4835G	63.63	74.00	-10.37	30.97	3	Horizontal	318	2.07	-

802.11n HT40_Nss1,(MCS0)_2TX

10/02/2019

2437MHz_TX

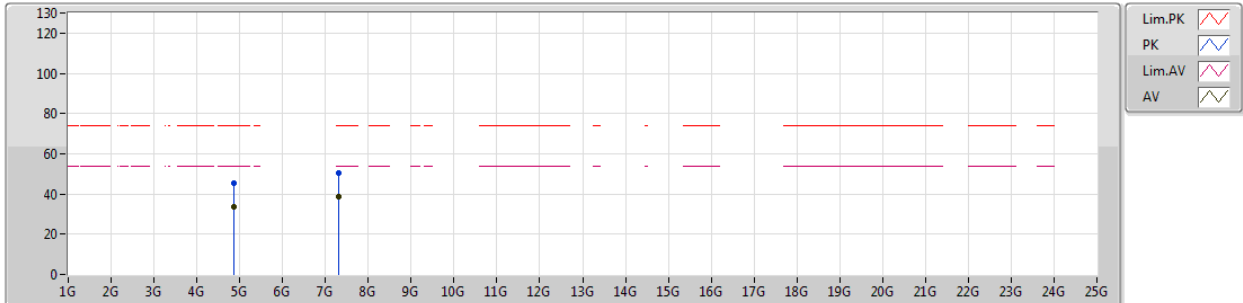


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.86944G	32.88	54.00	-21.12	5.99	3	Vertical	181	1.89	-
AV	7.31472G	37.79	54.00	-16.21	11.23	3	Vertical	289	2.45	-
PK	4.86356G	43.82	74.00	-30.18	5.98	3	Vertical	181	1.89	-
PK	7.3233G	50.20	74.00	-23.80	11.25	3	Vertical	289	2.45	-

802.11n HT40_Nss1,(MCS0)_2TX

10/02/2019

2437MHz_TX

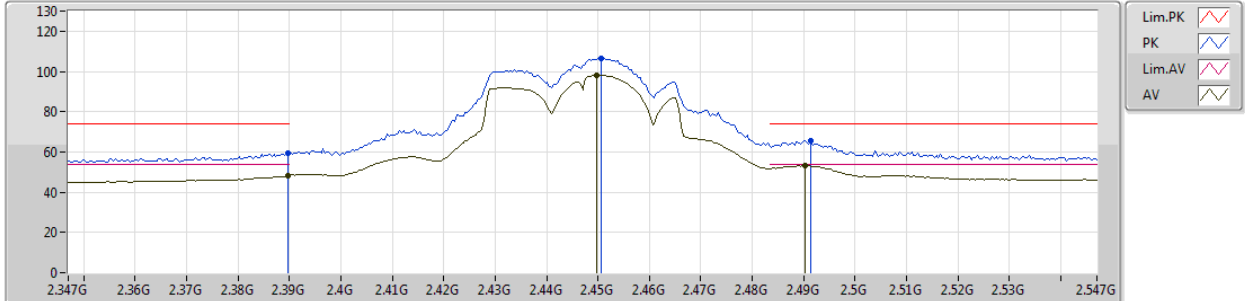


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.87406G	33.67	54.00	-20.33	6.00	3	Horizontal	351	1.75	-
AV	7.31316G	38.48	54.00	-15.52	11.22	3	Horizontal	98	2.03	-
PK	4.8665G	45.19	74.00	-28.81	5.98	3	Horizontal	351	1.75	-
PK	7.3071G	50.36	74.00	-23.64	11.21	3	Horizontal	98	2.03	-

802.11n HT40_Nss1,(MCS0)_2TX

10/02/2019

2447MHz_TX

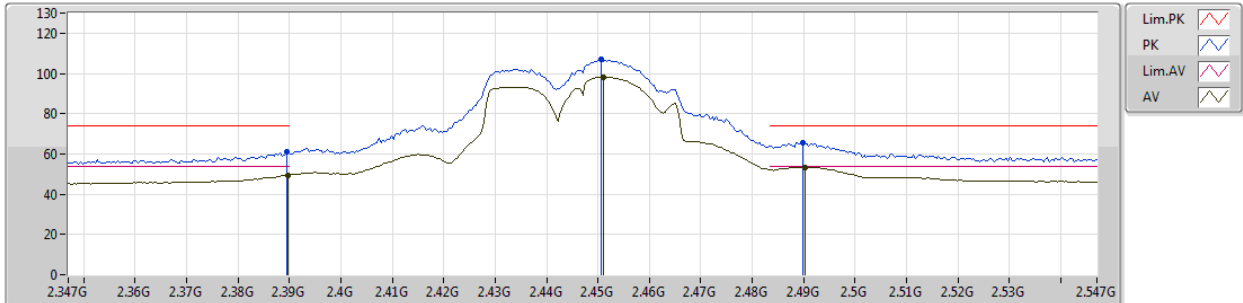


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	48.10	54.00	-5.90	30.38	3	Vertical	343	1.68	-
AV	2.4498G	98.20	Inf	-Inf	30.58	3	Vertical	343	1.68	-
AV	2.4902G	53.09	54.00	-0.91	30.72	3	Vertical	343	1.68	-
PK	2.3898G	59.22	74.00	-14.78	30.38	3	Vertical	343	1.68	-
PK	2.4506G	106.51	Inf	-Inf	30.58	3	Vertical	343	1.68	-
PK	2.4914G	65.72	74.00	-8.28	30.72	3	Vertical	343	1.68	-

802.11n HT40_Nss1,(MCS0)_2TX

10/02/2019

2447MHz_TX

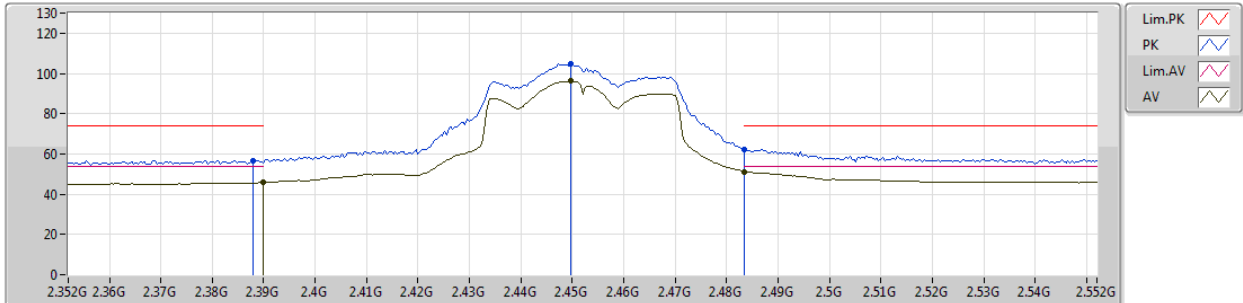


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	49.52	54.00	-4.48	30.69	3	Horizontal	180	1.38	-
AV	2.451G	98.17	Inf	-Inf	30.87	3	Horizontal	180	1.38	-
AV	2.4902G	53.48	54.00	-0.52	30.99	3	Horizontal	180	1.38	-
PK	2.3894G	61.04	74.00	-12.96	30.68	3	Horizontal	180	1.38	-
PK	2.4506G	106.83	Inf	-Inf	30.87	3	Horizontal	180	1.38	-
PK	2.4898G	65.44	74.00	-8.56	30.99	3	Horizontal	180	1.38	-

802.11n HT40_Nss1,(MCS0)_2TX

10/02/2019

2452MHz_TX

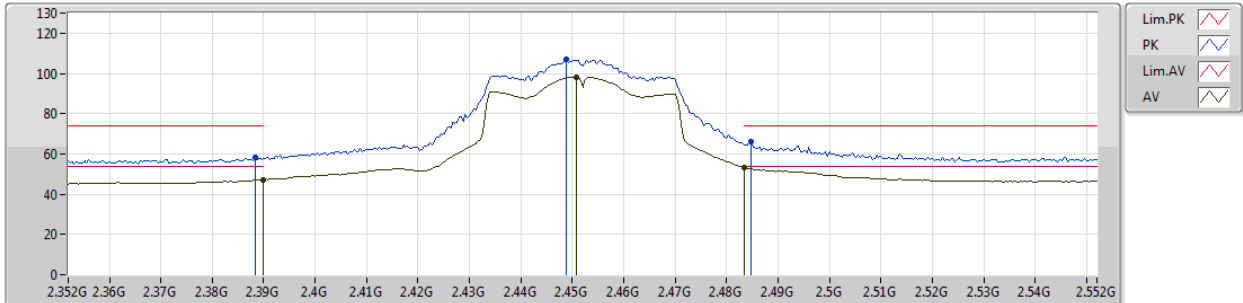


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	45.87	54.00	-8.13	30.38	3	Vertical	231	2.30	-
AV	2.4496G	96.11	Inf	-Inf	30.58	3	Vertical	231	2.30	-
AV	2.4835G	51.24	54.00	-2.76	30.69	3	Vertical	231	2.30	-
PK	2.388G	56.79	74.00	-17.21	30.37	3	Vertical	231	2.30	-
PK	2.4496G	104.75	Inf	-Inf	30.58	3	Vertical	231	2.30	-
PK	2.4835G	62.18	74.00	-11.82	30.69	3	Vertical	231	2.30	-

802.11n HT40_Nss1,(MCS0)_2TX

10/02/2019

2452MHz_TX

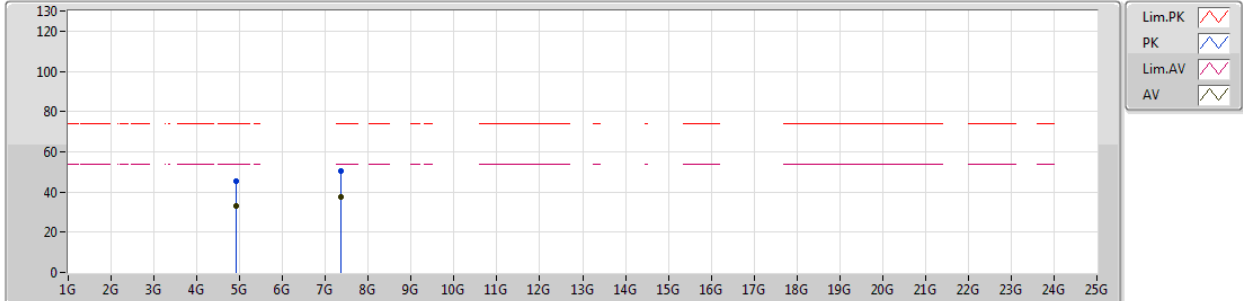


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	47.14	54.00	-6.86	30.69	3	Horizontal	319	1.86	-
AV	2.4508G	98.12	Inf	-Inf	30.87	3	Horizontal	319	1.86	-
AV	2.4835G	53.21	54.00	-0.79	30.97	3	Horizontal	319	1.86	-
PK	2.3884G	58.21	74.00	-15.79	30.68	3	Horizontal	319	1.86	-
PK	2.4488G	106.79	Inf	-Inf	30.87	3	Horizontal	319	1.86	-
PK	2.4848G	66.02	74.00	-7.98	30.97	3	Horizontal	319	1.86	-

802.11n HT40_Nss1,(MCS0)_2TX

10/02/2019

2452MHz_TX

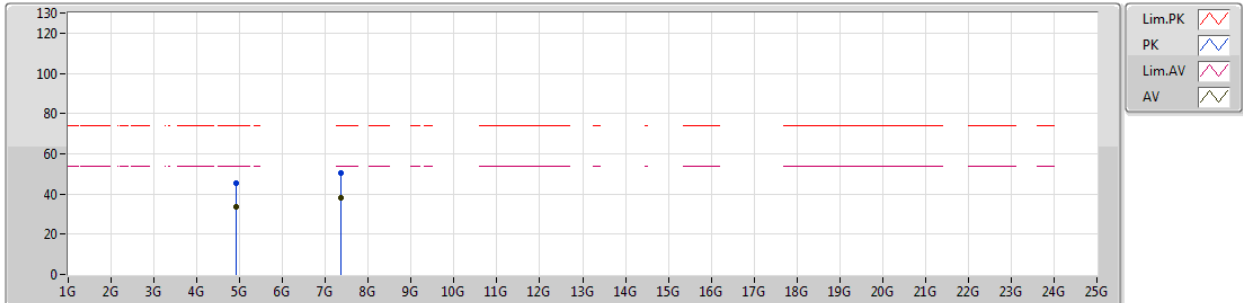


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.90658G	32.87	54.00	-21.13	6.06	3	Vertical	30	1.50	-
AV	7.34844G	37.80	54.00	-16.20	11.32	3	Vertical	222	2.66	-
PK	4.91048G	45.21	74.00	-28.79	6.07	3	Vertical	30	1.50	-
PK	7.35228G	50.56	74.00	-23.44	11.34	3	Vertical	222	2.66	-

802.11n HT40_Nss1,(MCS0)_2TX

10/02/2019

2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments							
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)								
AV	4.90946G	33.78	54.00	-20.22	6.06	3	Horizontal	335	1.69	-							
AV	7.36212G	38.31	54.00	-15.69	11.36	3	Horizontal	6	1.50	-							
PK	4.90628G	45.62	74.00	-28.38	6.06	3	Horizontal	335	1.69	-							
PK	7.3521G	50.62	74.00	-23.38	11.34	3	Horizontal	6	1.50	-							

**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)_2TX	Pass	PK	284.14M	41.71	46.00	-4.29	-17.01	3	Horizontal	0	3.00	-

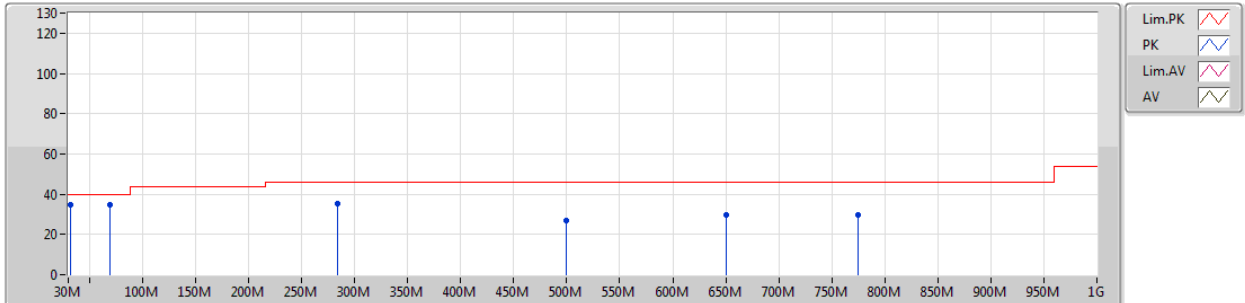
Result

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)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	31.94M	34.89	40.00	-5.11	-14.36	3	Vertical	360	3.00	-
2437MHz	Pass	PK	68.8M	35.01	40.00	-4.99	-25.21	3	Vertical	360	3.00	-
2437MHz	Pass	PK	284.14M	35.05	46.00	-10.95	-17.01	3	Vertical	360	3.00	-
2437MHz	Pass	PK	499.48M	27.13	46.00	-18.87	-12.10	3	Vertical	360	3.00	-
2437MHz	Pass	PK	650.8M	29.89	46.00	-16.11	-9.96	3	Vertical	360	3.00	-
2437MHz	Pass	PK	774.96M	29.70	46.00	-16.30	-8.14	3	Vertical	360	3.00	-
2437MHz	Pass	PK	55.22M	28.96	40.00	-11.04	-25.17	3	Horizontal	0	3.00	-
2437MHz	Pass	PK	161.92M	24.93	43.50	-18.57	-20.11	3	Horizontal	0	3.00	-
2437MHz	Pass	PK	284.14M	41.71	46.00	-4.29	-17.01	3	Horizontal	0	3.00	-
2437MHz	Pass	PK	332.64M	33.55	46.00	-12.45	-15.99	3	Horizontal	0	3.00	-
2437MHz	Pass	PK	499.48M	27.48	46.00	-18.52	-12.10	3	Horizontal	0	3.00	-
2437MHz	Pass	PK	650.8M	30.09	46.00	-15.91	-9.96	3	Horizontal	0	3.00	-

802.11n HT40_Nss1,(MCS0)_2RX

12/02/2019

2437MHz_PoE

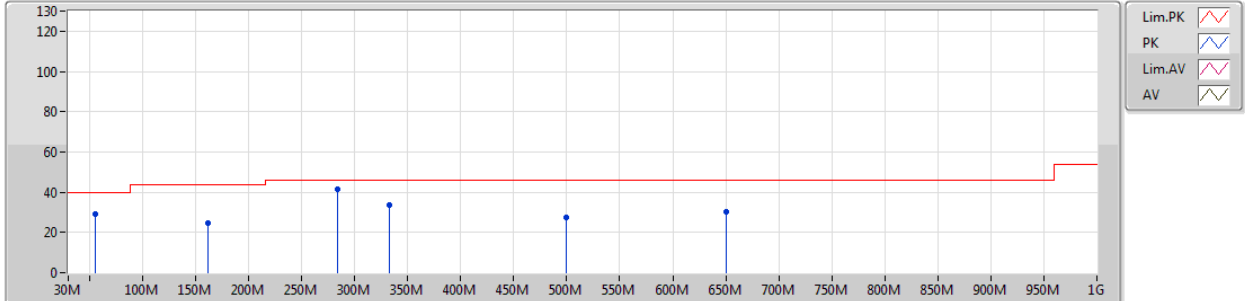


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	31.94M	34.89	40.00	-5.11	-14.36	3	Vertical	360	3.00	-
PK	68.8M	35.01	40.00	-4.99	-25.21	3	Vertical	360	3.00	-
PK	284.14M	35.05	46.00	-10.95	-17.01	3	Vertical	360	3.00	-
PK	499.48M	27.13	46.00	-18.87	-12.10	3	Vertical	360	3.00	-
PK	650.8M	29.89	46.00	-16.11	-9.96	3	Vertical	360	3.00	-
PK	774.96M	29.70	46.00	-16.30	-8.14	3	Vertical	360	3.00	-

802.11n HT40_Nss1,(MCS0)_2RX

12/02/2019

2437MHz_PoE



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments									
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)										
PK	55.22M	28.96	40.00	-11.04	-25.17	3	Horizontal	0	3.00	-									
PK	161.92M	24.93	43.50	-18.57	-20.11	3	Horizontal	0	3.00	-									
PK	284.14M	41.71	46.00	-4.29	-17.01	3	Horizontal	0	3.00	-									
PK	332.64M	33.55	46.00	-12.45	-15.99	3	Horizontal	0	3.00	-									
PK	499.48M	27.48	46.00	-18.52	-12.10	3	Horizontal	0	3.00	-									
PK	650.8M	30.09	46.00	-15.91	-9.96	3	Horizontal	0	3.00	-									



RSE RX above 1GHz Result

Appendix G.2

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 HT20_Nss1,(MCS0)_2TX	Pass	AV	2.596G	36.85	54.00	-17.15	-3.04	3	Horizontal	360	1.00	-

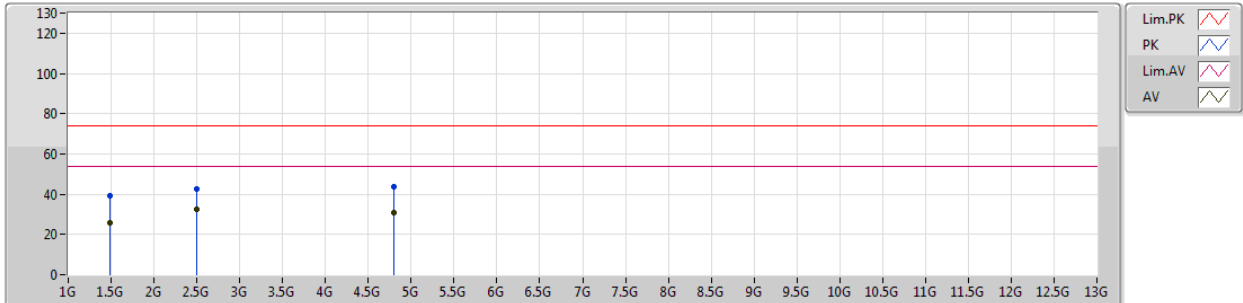
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	AV	1.492G	25.88	54.00	-28.12	-5.90	3	Vertical	0	1.00	-
2437MHz	Pass	AV	2.5G	32.23	54.00	-21.77	-3.28	3	Vertical	0	1.00	-
2437MHz	Pass	AV	4.804G	30.78	54.00	-23.22	2.08	3	Vertical	0	1.00	-
2437MHz	Pass	PK	1.492G	39.04	74.00	-34.96	-5.90	3	Vertical	0	1.00	-
2437MHz	Pass	PK	2.5G	42.80	74.00	-31.20	-3.28	3	Vertical	0	1.00	-
2437MHz	Pass	PK	4.804G	43.94	74.00	-30.06	2.08	3	Vertical	0	1.00	-
2437MHz	Pass	AV	1.3G	34.80	54.00	-19.20	-6.92	3	Horizontal	360	1.00	-
2437MHz	Pass	AV	2.596G	36.85	54.00	-17.15	-3.04	3	Horizontal	360	1.00	-
2437MHz	Pass	AV	6.448G	35.08	54.00	-18.92	5.79	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	1.3G	40.35	74.00	-33.65	-6.92	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	2.596G	42.08	74.00	-31.92	-3.04	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	6.448G	47.54	74.00	-26.46	5.79	3	Horizontal	360	1.00	-

802.11n HT20_Nss1,(MCS0)_2RX

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2437MHz_RX

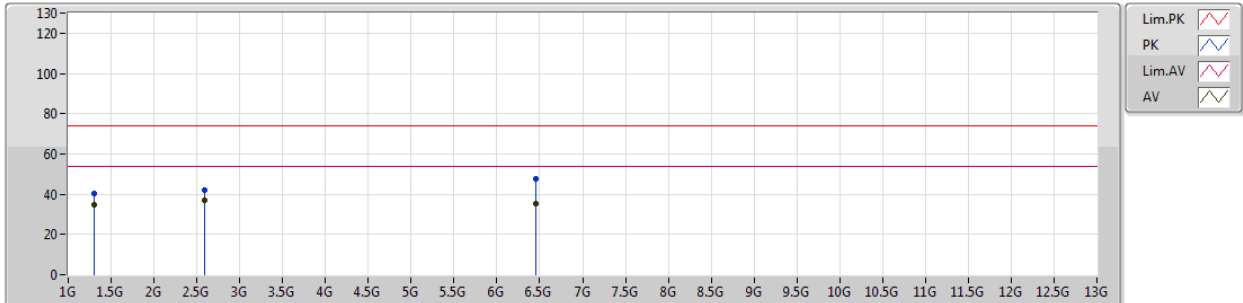


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	1.492G	25.88	54.00	-28.12	-5.90	3	Vertical	0	1.00	-
AV	2.5G	32.23	54.00	-21.77	-3.28	3	Vertical	0	1.00	-
AV	4.804G	30.78	54.00	-23.22	2.08	3	Vertical	0	1.00	-
PK	1.492G	39.04	74.00	-34.96	-5.90	3	Vertical	0	1.00	-
PK	2.5G	42.80	74.00	-31.20	-3.28	3	Vertical	0	1.00	-
PK	4.804G	43.94	74.00	-30.06	2.08	3	Vertical	0	1.00	-

802.11n HT20_Nss1,(MCS0)_2RX

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2437MHz_RX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	1.3G	34.80	54.00	-19.20	-6.92	3	Horizontal	360	1.00	-
AV	2.596G	36.85	54.00	-17.15	-3.04	3	Horizontal	360	1.00	-
AV	6.448G	35.08	54.00	-18.92	5.79	3	Horizontal	360	1.00	-
PK	1.3G	40.35	74.00	-33.65	-6.92	3	Horizontal	360	1.00	-
PK	2.596G	42.08	74.00	-31.92	-3.04	3	Horizontal	360	1.00	-
PK	6.448G	47.54	74.00	-26.46	5.79	3	Horizontal	360	1.00	-