FCC Test Report

FCC ID	:	**2AKWYFBP202**
Equipment	:	**Digital Transmission System**
Brand Name	:	**DynaScan Technology Corp.**
Model Name	:	**FBP202**
Applicant	:	**DynaScan Technology Corp. 7F, 66 Huaya 1st Road, Guishan Taoyuan 33383,Taiwan**
Manufacturer	:	**DynaScan Technology Corp. 7F, 66 Huaya 1st Road, Guishan Taoyuan 33383,Taiwan**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Jun. 02, 2020, and testing was started from Jun. 04, 2020 and completed on Jun. 25, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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

Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

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History of this test report

Report No.	Version	Description	Issued Date
FR052002	01	Initial issue of report	Aug. 04, 2020

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

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: Sam Tsai

Report Producer: Michelle Tsai

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

Note:
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	NA	NA	PIFA	I-PEX

Ant.	Port	Gain (dBi)
1	1	0.87

For 2.4GHz function:

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

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

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From Switching Power Supply			
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.:	DynaScan Technology Corp./ 64422
☐	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) ≥ 1/T
802.11b_Nss1,(1Mbps)_1TX	1	0	20.001m	10
802.11g_Nss1,(6Mbps)_1TX	1	0	20.001m	10
802.11n HT20_Nss1,(MCS0)_1TX	1	0	20.001m	10
802.11n HT40_Nss1,(MCS0)_1TX	1	0	20.001m	10

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

1.2 Testing Applied Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013

The following reference test guidance is not within the scope of accreditation of TAF:

- KDB 558074 D01 v05r02
- KDB 414788 D01 v01r01

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
Test site Designation No. TW1190 with FCC.			
☐	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 site Designation No. TW0006 with FCC.			
☐	Wen Shan	ADD : No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)	
		TEL : 886-3-318-0787	FAX : 886-3-318-0287
Test site Designation No. TW1097 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Edward Wang	23.8~24.8°C / 55~59%	25/Jun/2020
RF Conducted	TH06-HY	Alan Chien	20.1~26.9°C / 50~60%	05/Jun/2020
Radiated	03CH03-HY	Jeff Lin	22.8~24.8°C / 55~65%	04/Jun/2020~10/Jun/2020

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)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V

2.2 Test Channel Mode

Test Software	Dos

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	63
2437MHz	63
2462MHz	63
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	63
2437MHz	63
2462MHz	63
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	63
2437MHz	63
2462MHz	63
802.11n HT40_Nss1,(MCS0)_1TX	-
2422MHz	63
2437MHz	63
2452MHz	63

2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	CTX
1	Switching Power Supply 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
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
1	Switching Power Supply Mode
Operating Mode > 1GHz	CTX
Orthogonal Planes of EUT	**Y Plane**
	

2.4 Accessories

Remote Control	Brand Name	DynaScan	Model Name	JX-9060
IR Cable	Brand Name	DynaScan	Model Name	NA
	Power Cord	1.8 meter, Non-shielded cable		

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

2.5 Support Equipment

Support Equipment – AC Conduction and Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Host	DynaScan Technology Corp.	64422	-	Note 1

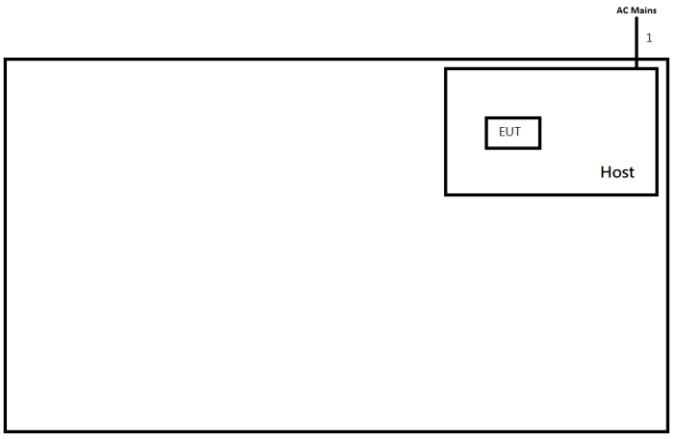
Note 1: Support equipment was provided by customer.

Support Equipment – RF Conducted					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	Host	DynaScan Technology Corp.	64422	-	Note 1

Note 1: Support equipment was provided by customer.

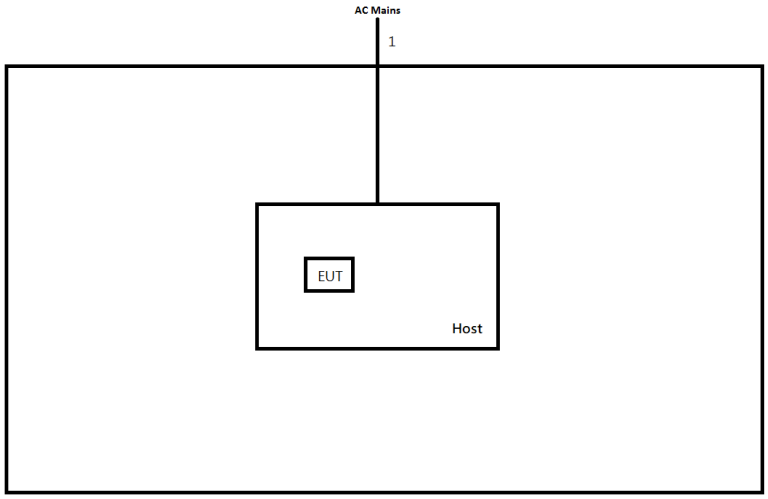
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-

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

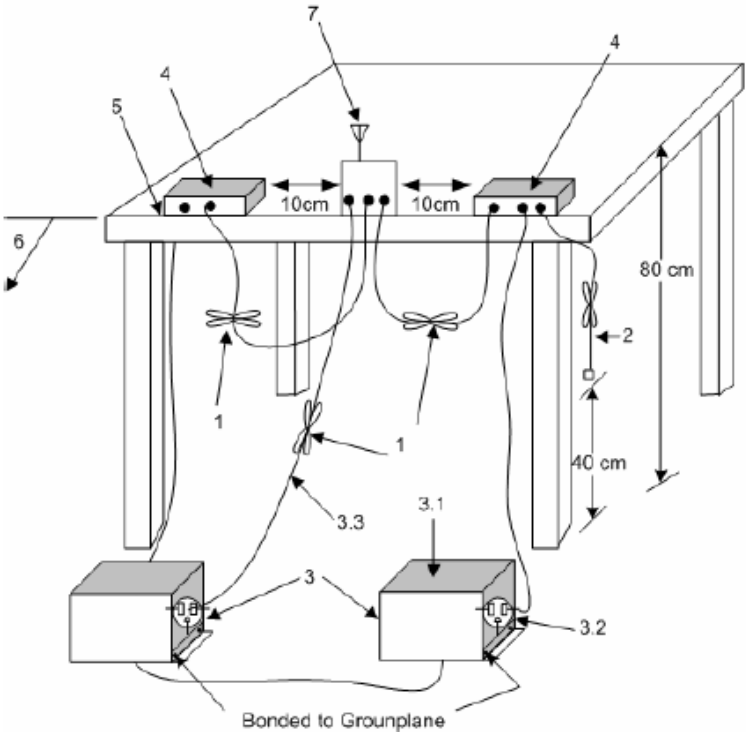
Refer a test equipment and calibration data table in this test report.

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

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50Ωloads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

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 ≥ 500 kHz.

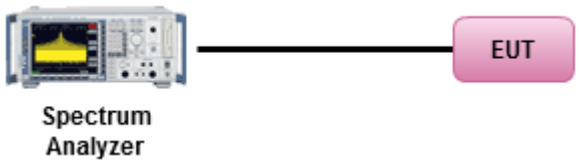
3.2.2 Measuring Instruments

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

Emission Bandwidth


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): $P_{eirp} \leq MAX(36, [P_{Out} + G_{TX}])$ dBm	
	▪ Smart antenna system (SAS)	
		- Single beam: $P_{eirp} \leq MAX(36, P_{Out} + G_{TX})$ dBm
		- Overlap beam: $P_{eirp} \leq MAX(36, P_{Out} + G_{TX})$ dBm
		- Aggregate power on all beams: $P_{eirp} \leq MAX(36, [P_{Out} + G_{TX} + 8])$ 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: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


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

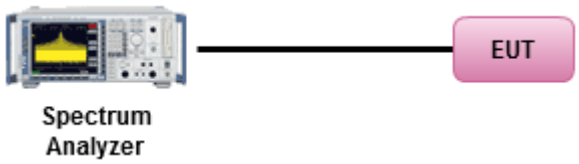
3.4.2 Measuring Instruments

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) Max. PSD.
▪ 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

Power Spectral Density


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 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 level.	

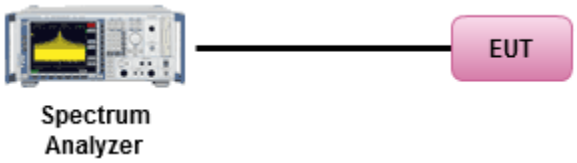
3.5.2 Measuring Instruments

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

Emissions in Non-restricted Frequency Bands


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.

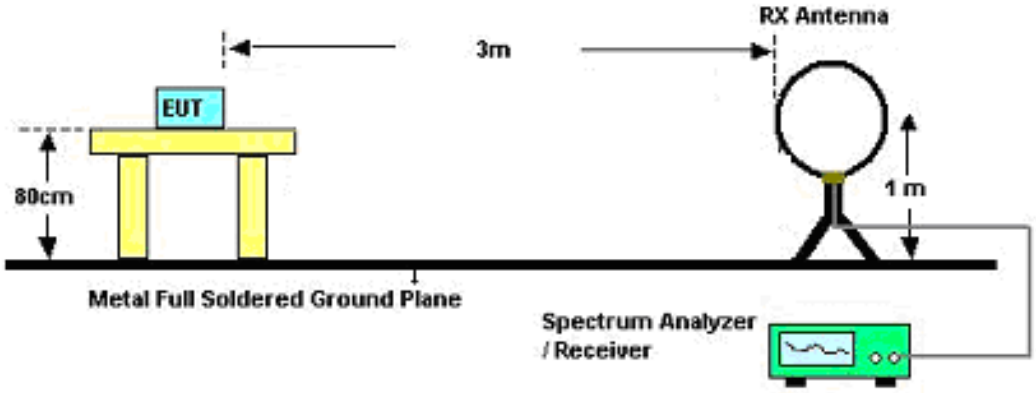
3.6.3 Test Procedures

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.
▪ 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 ≥ 1 GHz for peak measurement. For average measurement, refer as 1.1.4.
▪ KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	▪ Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	▪ Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

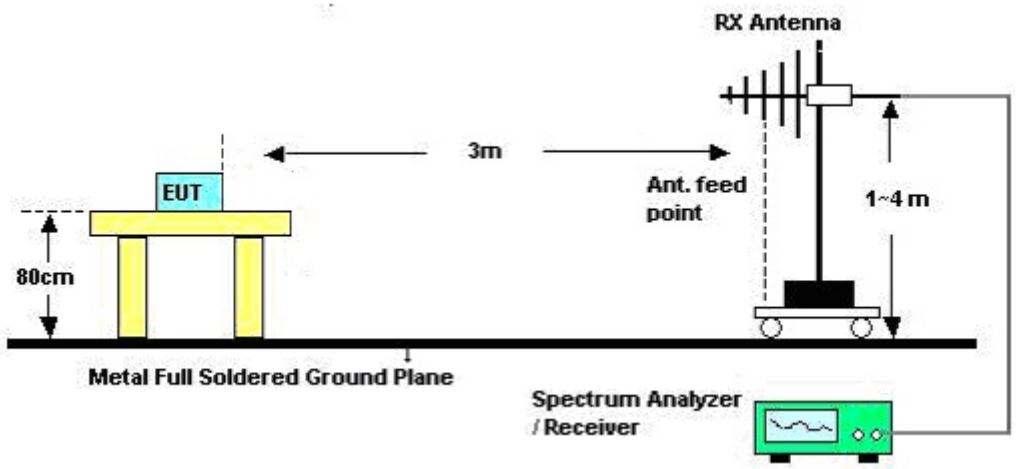
3.6.4 Test Setup

Emissions in Restricted Frequency Bands

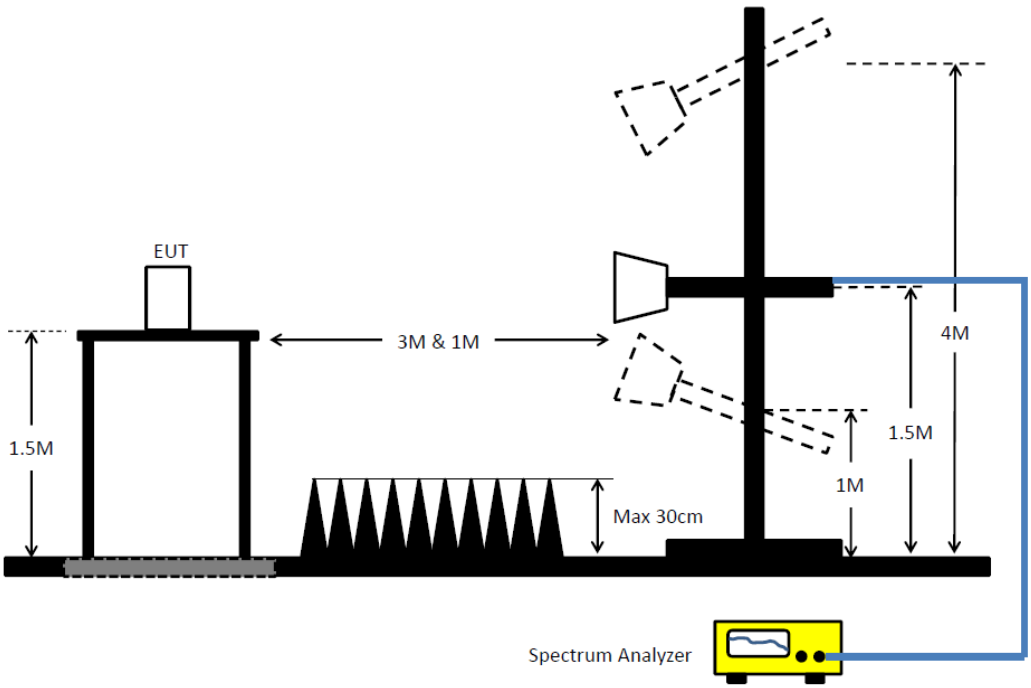
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



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

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	29/May/2020	28/May/2021
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	05/Nov/2019	04/Nov/2020
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	23/Sep/2019	22/Sep/2020
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	24/Sep/2019	23/Sep/2020

NCR: Non-Calibration Require

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz 3m	30/Aug/2019	29/Aug/2020
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz 3m	30/Aug/2019	29/Aug/2020
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	14/Apr/2020	13/Apr/2021
EMC Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	29/May/2020	28/May/2021
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30 MHz ~ 1 GHz	19/Apr/2020	18/Apr/2021
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270196	1GHz ~ 26.5GHz	09/Sep/2019	08/Sep/2020
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40GHz	15/Aug/2019	14/Aug/2020
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	18/Mar/2020	17/Mar/2021
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	SN 805801/4+SN 804300/4	1GHz ~ 40GHz	18/Mar/2020	17/Mar/2021
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	13/Mar/2020	12/Mar/2021
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz ~ 18GHz	26/Mar/ 2020	25/Mar/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz ~ 30MHz	16/Mar/2020	15/Mar/2021

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101029	10kHz ~ 40GHz	01/Oct/2019	30/Sep/2020
Pulse Power Sensor	Anritsu	MA2411B	1027452	300MHz ~ 40GHz	18/Mar/2020	17/Mar/2021
Power Meter	Anritsu	ML2495A	1124009	300MHz ~ 40GHz	18/Mar/2020	17/Mar/2021
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020

Summary

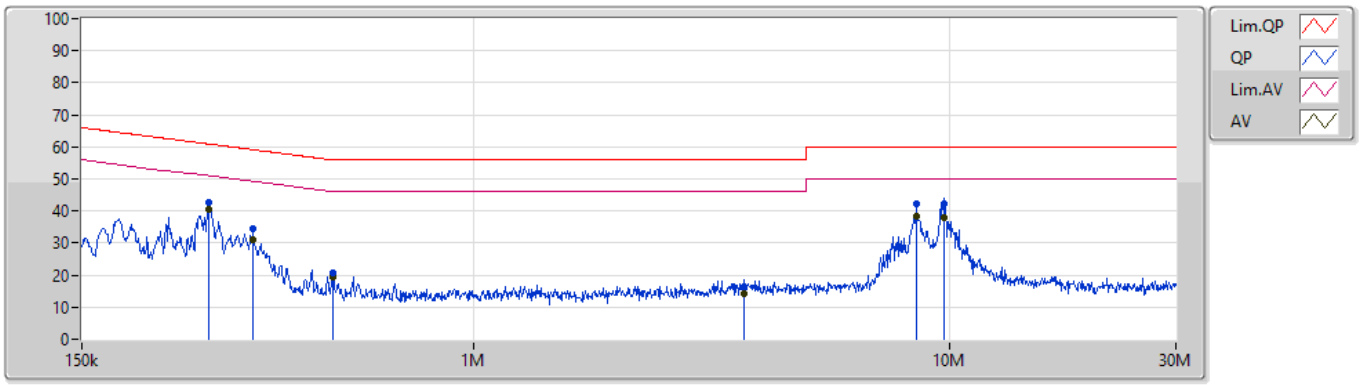
Mode	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition
Mode 1	AV	278.495k	40.74	50.86	-10.12	19.63	Neutral

Mode Configure

Mode	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comments
Mode 1	QP	277.385k	42.71	60.89	-18.18	19.64	Line	-
Mode 1	AV	277.385k	40.37	50.89	-10.52	19.64	Line	"Worst"
Mode 1	QP	342.744k	34.49	59.14	-24.65	19.63	Line	-
Mode 1	AV	342.744k	31.05	49.14	-18.09	19.63	Line	-
Mode 1	QP	506.843k	20.69	56.00	-35.31	19.64	Line	-
Mode 1	AV	506.843k	19.57	46.00	-26.43	19.64	Line	-
Mode 1	QP	3.701M	16.58	56.00	-39.42	19.72	Line	-
Mode 1	AV	3.701M	14.41	46.00	-31.59	19.72	Line	-
Mode 1	QP	8.557M	42.06	60.00	-17.94	19.81	Line	-
Mode 1	AV	8.557M	38.30	50.00	-11.70	19.81	Line	-
Mode 1	QP	9.762M	42.12	60.00	-17.88	19.84	Line	-
Mode 1	AV	9.762M	37.94	50.00	-12.06	19.84	Line	-
Mode 1	QP	278.495k	43.06	60.86	-17.80	19.63	Neutral	-
Mode 1	AV	278.495k	40.74	50.86	-10.12	19.63	Neutral	"Worst"
Mode 1	QP	318.98k	34.39	59.73	-25.34	19.62	Neutral	-
Mode 1	AV	318.98k	30.65	49.73	-19.08	19.62	Neutral	-
Mode 1	QP	456.875k	21.53	56.75	-35.22	19.63	Neutral	-
Mode 1	AV	456.875k	19.48	46.75	-27.27	19.63	Neutral	-
Mode 1	QP	2.211M	17.25	56.00	-38.75	19.67	Neutral	-
Mode 1	AV	2.211M	14.05	46.00	-31.95	19.67	Neutral	-
Mode 1	QP	8.523M	41.64	60.00	-18.36	19.82	Neutral	-
Mode 1	AV	8.523M	37.26	50.00	-12.74	19.82	Neutral	-
Mode 1	QP	9.762M	42.18	60.00	-17.82	19.85	Neutral	-
Mode 1	AV	9.762M	38.05	50.00	-11.95	19.85	Neutral	-

Conducted Emissions at Powerline_Mode 1

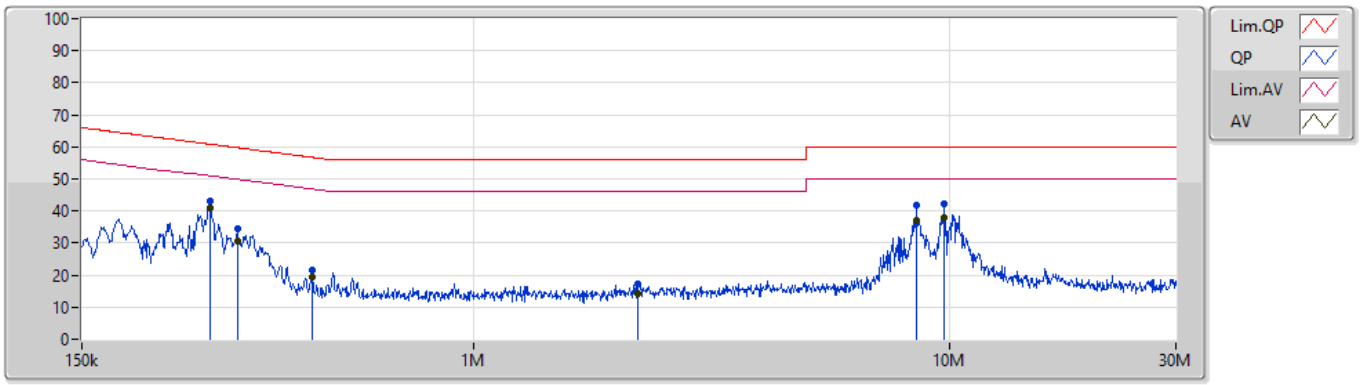
25/06/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	277.385k	42.71	60.89	-18.18	19.64	Line	-	23.07	9.65	0.12	9.87
AV	277.385k	40.37	50.89	-10.52	19.64	Line	"Worst"	20.73	9.65	0.12	9.87
QP	342.744k	34.49	59.14	-24.65	19.63	Line	-	14.86	9.64	0.12	9.87
AV	342.744k	31.05	49.14	-18.09	19.63	Line	-	11.42	9.64	0.12	9.87
QP	506.843k	20.69	56.00	-35.31	19.64	Line	-	1.05	9.64	0.13	9.87
AV	506.843k	19.57	46.00	-26.43	19.64	Line	-	-0.07	9.64	0.13	9.87
QP	3.701M	16.58	56.00	-39.42	19.72	Line	-	-3.14	9.66	0.18	9.88
AV	3.701M	14.41	46.00	-31.59	19.72	Line	-	-5.31	9.66	0.18	9.88
QP	8.557M	42.06	60.00	-17.94	19.81	Line	-	22.25	9.68	0.25	9.88
AV	8.557M	38.30	50.00	-11.70	19.81	Line	-	18.49	9.68	0.25	9.88
QP	9.762M	42.12	60.00	-17.88	19.84	Line	-	22.28	9.69	0.27	9.88
AV	9.762M	37.94	50.00	-12.06	19.84	Line	-	18.10	9.69	0.27	9.88

Conducted Emissions at Powerline_Mode 1

25/06/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	278.495k	43.06	60.86	-17.80	19.63	Neutral	-	23.43	9.64	0.12	9.87
AV	278.495k	40.74	50.86	-10.12	19.63	Neutral	"Worst"	21.11	9.64	0.12	9.87
QP	318.98k	34.39	59.73	-25.34	19.62	Neutral	-	14.77	9.63	0.12	9.87
AV	318.98k	30.65	49.73	-19.08	19.62	Neutral	-	11.03	9.63	0.12	9.87
QP	456.875k	21.53	56.75	-35.22	19.63	Neutral	-	1.90	9.63	0.13	9.87
AV	456.875k	19.48	46.75	-27.27	19.63	Neutral	-	-0.15	9.63	0.13	9.87
QP	2.211M	17.25	56.00	-38.75	19.67	Neutral	-	-2.42	9.65	0.15	9.87
AV	2.211M	14.05	46.00	-31.95	19.67	Neutral	-	-5.62	9.65	0.15	9.87
QP	8.523M	41.64	60.00	-18.36	19.82	Neutral	-	21.82	9.69	0.25	9.88
AV	8.523M	37.26	50.00	-12.74	19.82	Neutral	-	17.44	9.69	0.25	9.88
QP	9.762M	42.18	60.00	-17.82	19.85	Neutral	-	22.33	9.70	0.27	9.88
AV	9.762M	38.05	50.00	-11.95	19.85	Neutral	-	18.20	9.70	0.27	9.88

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	9.05M	13.273M	13M3G1D	9.05M	13.153M
802.11g_Nss1,(6Mbps)_1TX	16.575M	16.532M	16M5D1D	16.525M	16.512M
802.11n HT20_Nss1,(MCS0)_1TX	17.775M	17.691M	17M7D1D	17.675M	17.671M
802.11n HT40_Nss1,(MCS0)_1TX	36.45M	36.182M	36M2D1D	36.4M	36.142M

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

Result

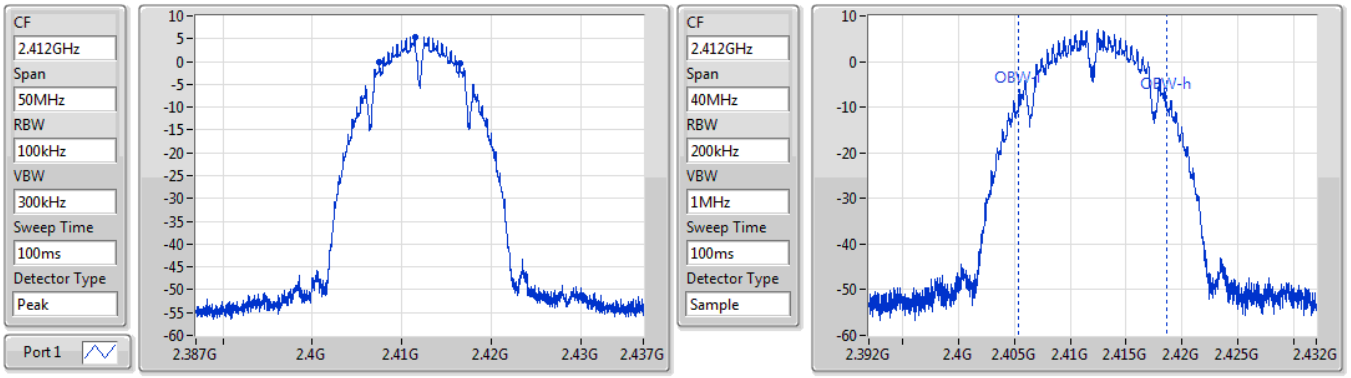
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	9.05M	13.273M
2437MHz	Pass	500k	9.05M	13.213M
2462MHz	Pass	500k	9.05M	13.153M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.55M	16.532M
2437MHz	Pass	500k	16.525M	16.532M
2462MHz	Pass	500k	16.575M	16.512M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	17.75M	17.671M
2437MHz	Pass	500k	17.775M	17.691M
2462MHz	Pass	500k	17.675M	17.671M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	36.45M	36.182M
2437MHz	Pass	500k	36.45M	36.142M
2452MHz	Pass	500k	36.4M	36.142M

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

802.11b_Nss1,(1Mbps)_1TX EBW

2412MHz

05/06/2020

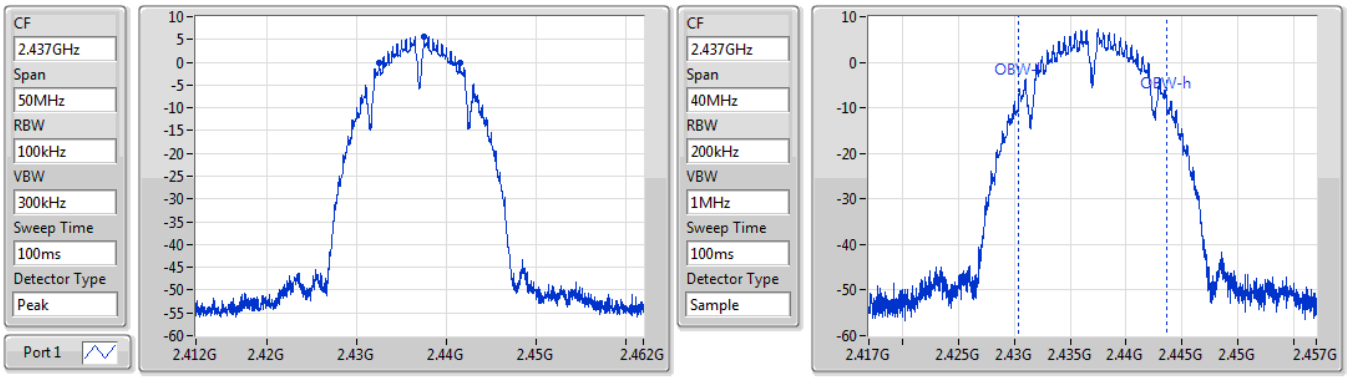


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.05M	2.407475G	2.416525G	13.273M	2.405383G	2.418657G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

05/06/2020

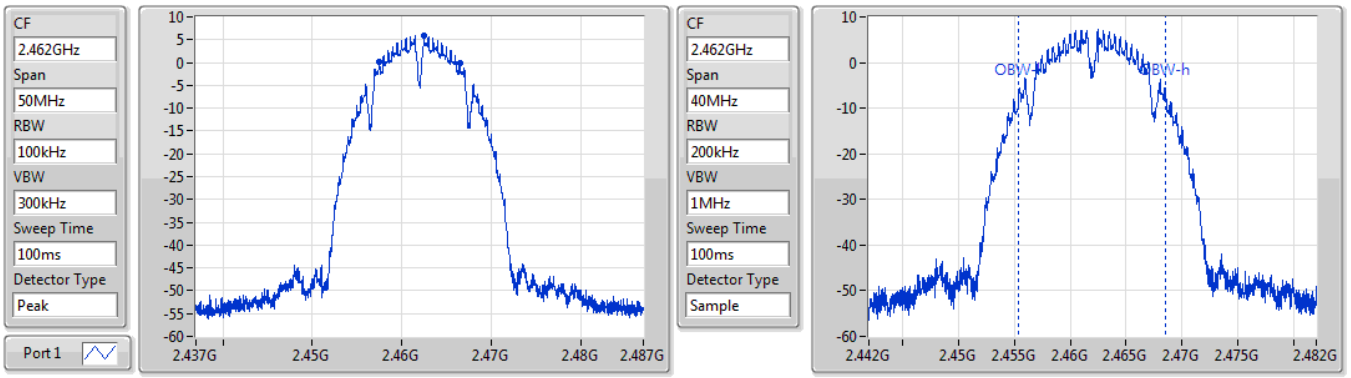


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.05M	2.432475G	2.441525G	13.213M	2.430423G	2.443637G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

05/06/2020

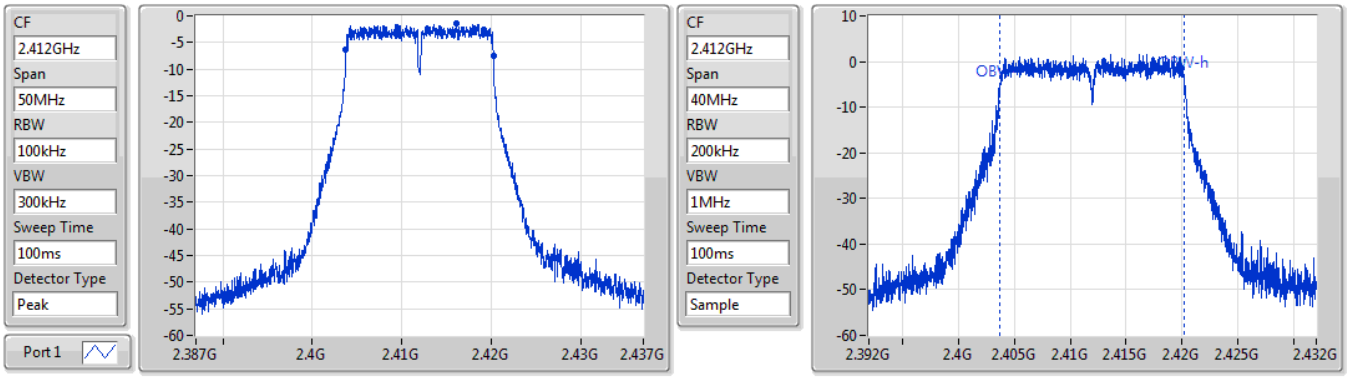


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.05M	2.457475G	2.466525G	13.153M	2.455403G	2.468557G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2412MHz

05/06/2020

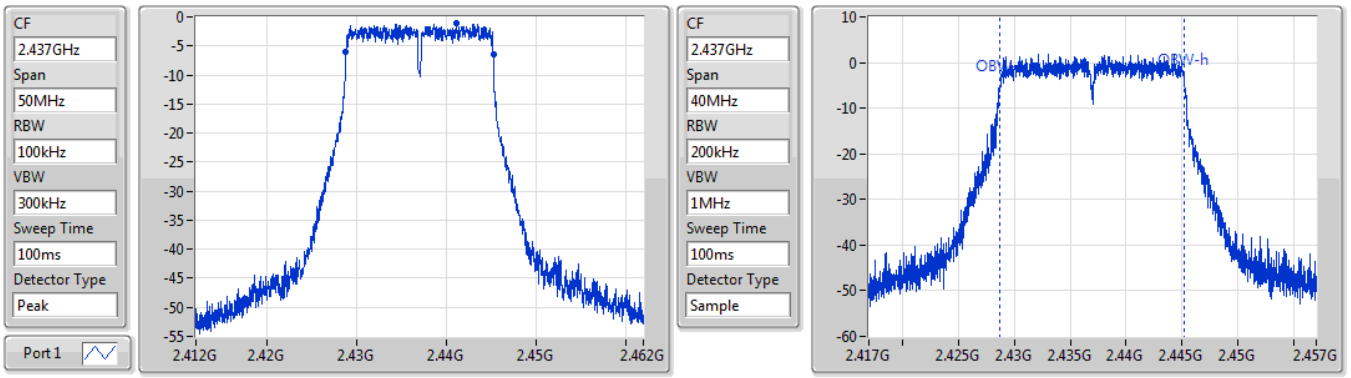


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.55M	2.403725G	2.420275G	16.532M	2.403704G	2.420236G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2437MHz

05/06/2020

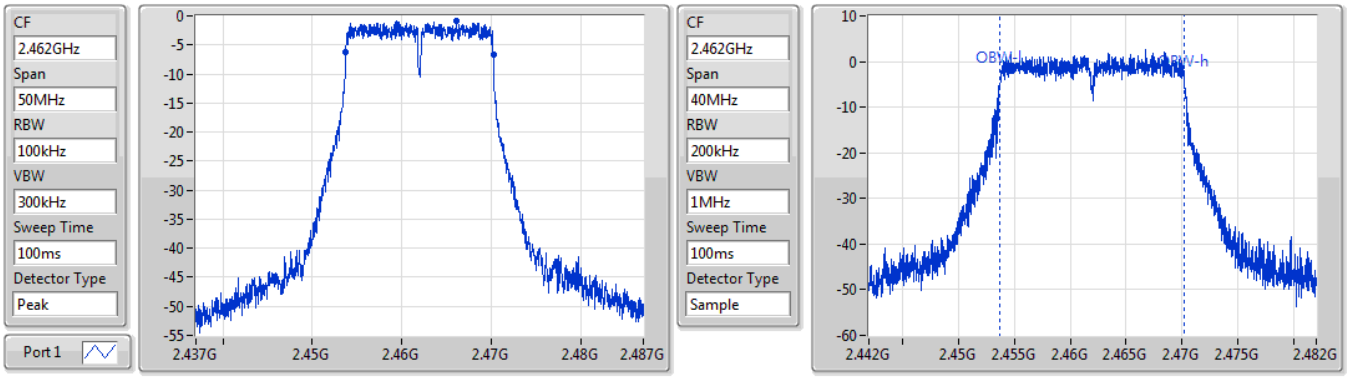


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.525M	2.428725G	2.44525G	16.532M	2.428704G	2.445236G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2462MHz

05/06/2020

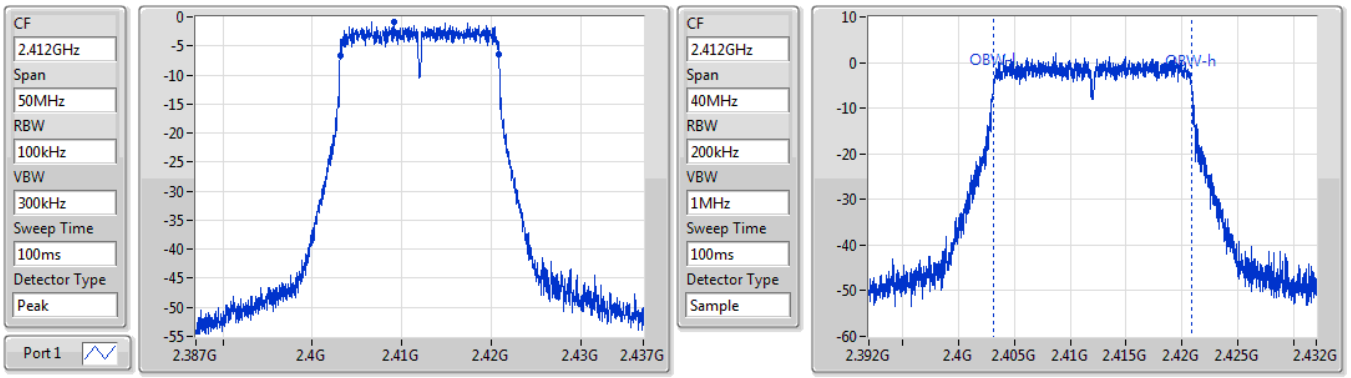


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.575M	2.4537G	2.470275G	16.512M	2.453704G	2.470216G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2412MHz

05/06/2020

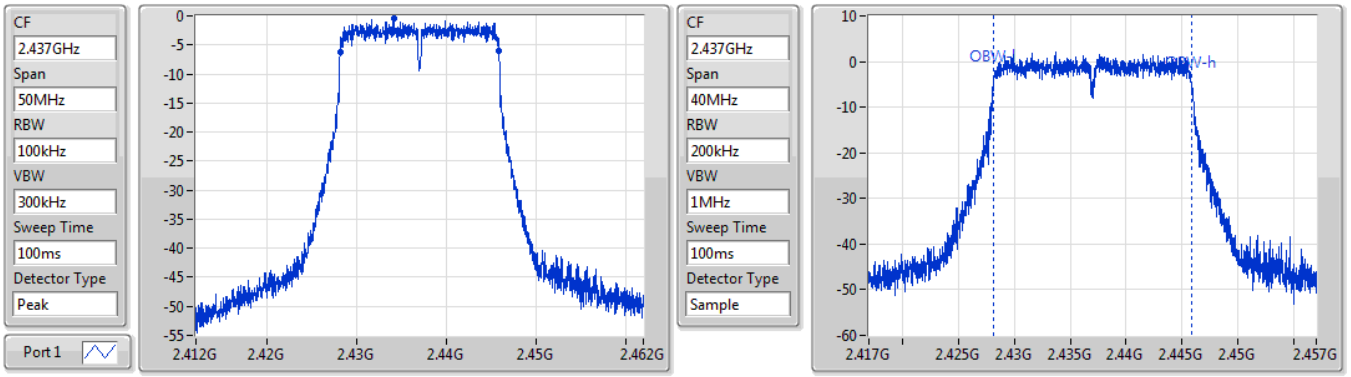


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.75M	2.403125G	2.420875G	17.671M	2.403144G	2.420816G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2437MHz

05/06/2020

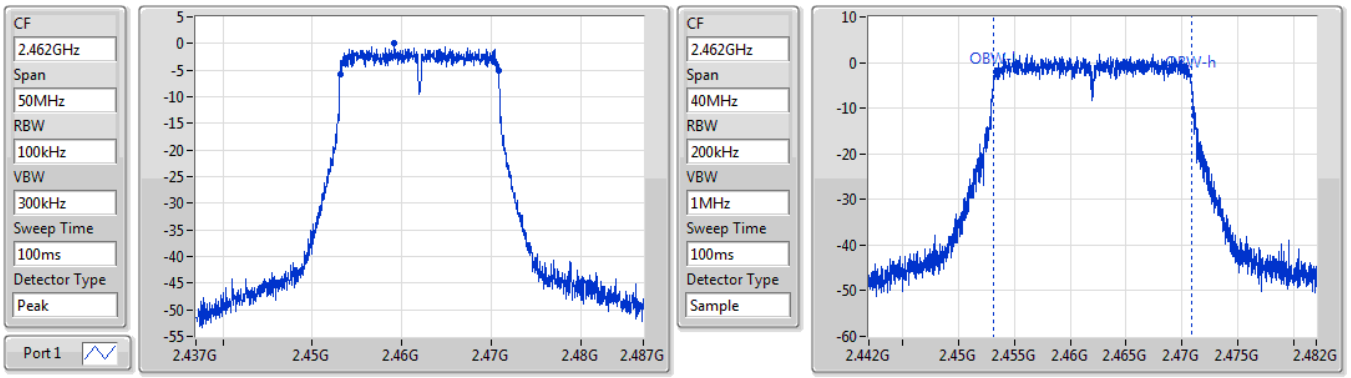


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.775M	2.4281G	2.445875G	17.691M	2.428144G	2.445836G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2462MHz

05/06/2020

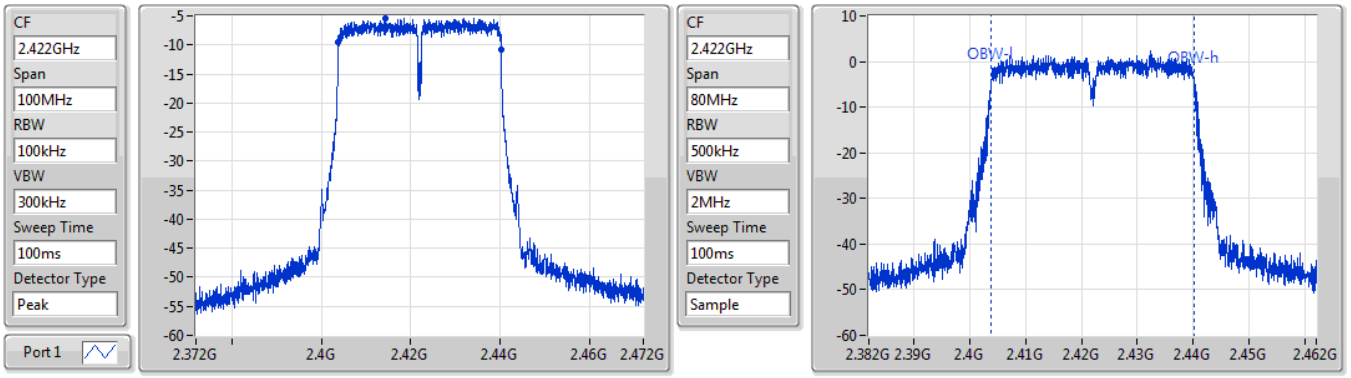


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.675M	2.453125G	2.4708G	17.671M	2.453144G	2.470816G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX EBW

2422MHz

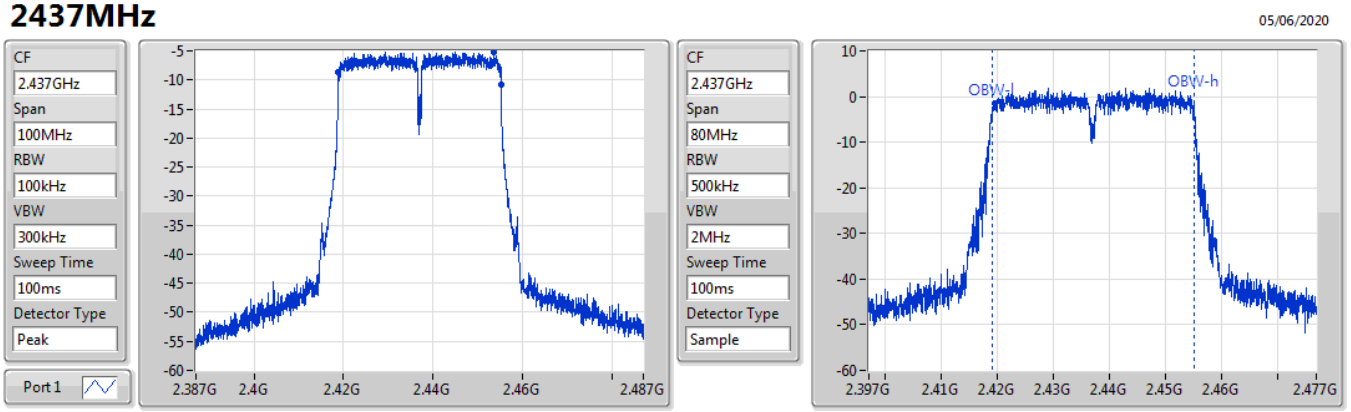
05/06/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.45M	2.4038G	2.44025G	36.182M	2.403929G	2.440111G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX EBW

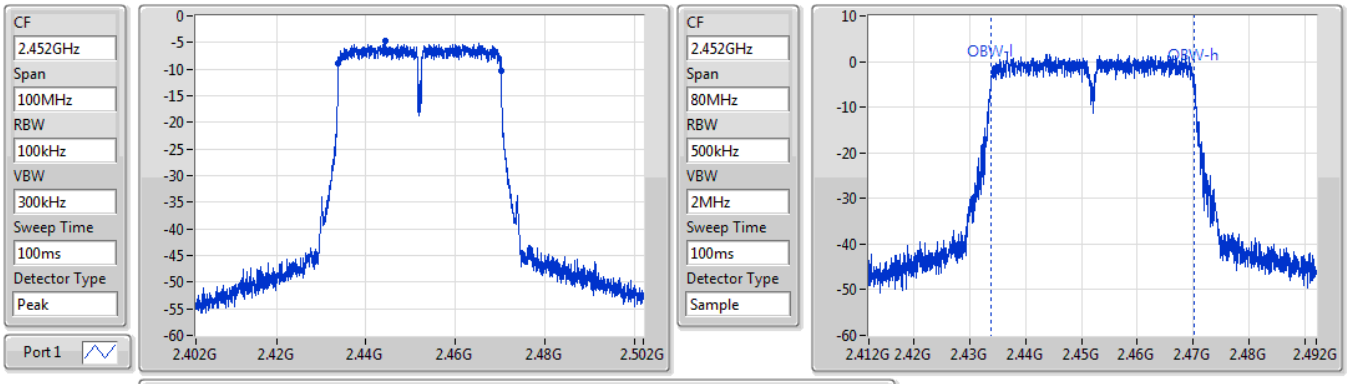
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.45M	2.4188G	2.45525G	36.142M	2.418969G	2.455111G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX EBW

2452MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.4M	2.4338G	2.4702G	36.142M	2.433929G	2.470071G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	15.65	0.03673
802.11g_Nss1,(6Mbps)_1TX	13.82	0.02410
802.11n HT20_Nss1,(MCS0)_1TX	14.22	0.02642
802.11n HT40_Nss1,(MCS0)_1TX	12.99	0.01991

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	0.87	15.37	15.37	30.00
2437MHz	Pass	0.87	15.49	15.49	30.00
2462MHz	Pass	0.87	15.65	15.65	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	0.87	13.38	13.38	30.00
2437MHz	Pass	0.87	13.65	13.65	30.00
2462MHz	Pass	0.87	13.82	13.82	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	0.87	13.74	13.74	30.00
2437MHz	Pass	0.87	14.04	14.04	30.00
2462MHz	Pass	0.87	14.22	14.22	30.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	0.87	12.75	12.75	30.00
2437MHz	Pass	0.87	12.87	12.87	30.00
2452MHz	Pass	0.87	12.99	12.99	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	-14.65
802.11g_Nss1,(6Mbps)_1TX	-15.49
802.11n HT20_Nss1,(MCS0)_1TX	-14.27
802.11n HT40_Nss1,(MCS0)_1TX	-16.17

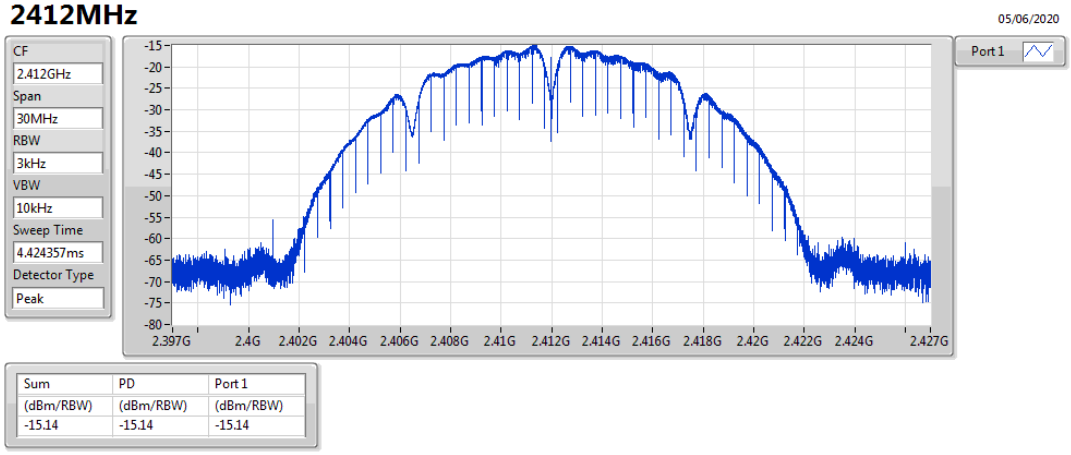
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	0.87	-15.14	-15.14	8.00
2437MHz	Pass	0.87	-14.79	-14.79	8.00
2462MHz	Pass	0.87	-14.65	-14.65	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	0.87	-15.94	-15.94	8.00
2437MHz	Pass	0.87	-15.49	-15.49	8.00
2462MHz	Pass	0.87	-15.50	-15.50	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	0.87	-15.36	-15.36	8.00
2437MHz	Pass	0.87	-14.70	-14.70	8.00
2462MHz	Pass	0.87	-14.27	-14.27	8.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	0.87	-16.52	-16.52	8.00
2437MHz	Pass	0.87	-16.37	-16.37	8.00
2452MHz	Pass	0.87	-16.17	-16.17	8.00

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

802.11b_Nss1,(1Mbps)_1TX PSD

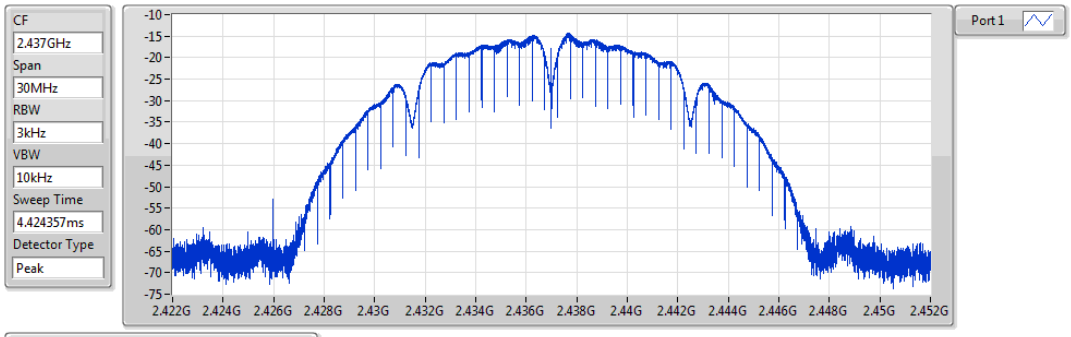
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.14	-15.14	-15.14

802.11b_Nss1,(1Mbps)_1TX PSD

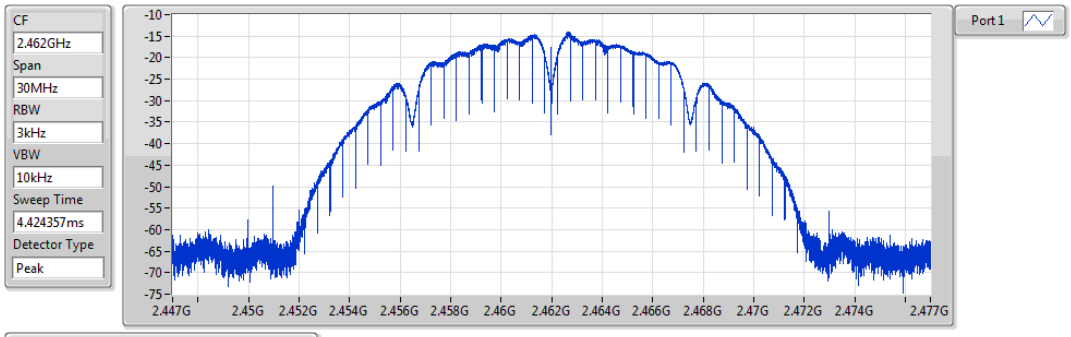
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.79	-14.79	-14.79

802.11b_Nss1,(1Mbps)_1TX PSD

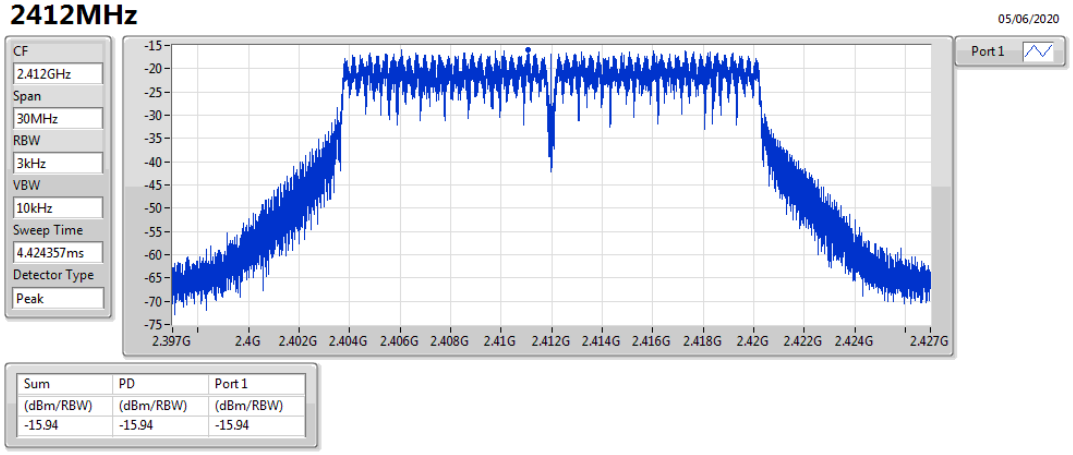
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.65	-14.65	-14.65

802.11g_Nss1,(6Mbps)_1TX PSD

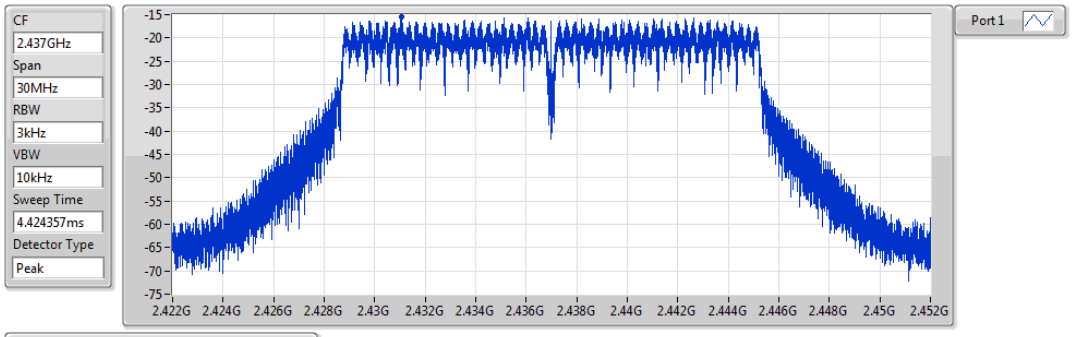
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.94	-15.94	-15.94

802.11g_Nss1,(6Mbps)_1TX PSD

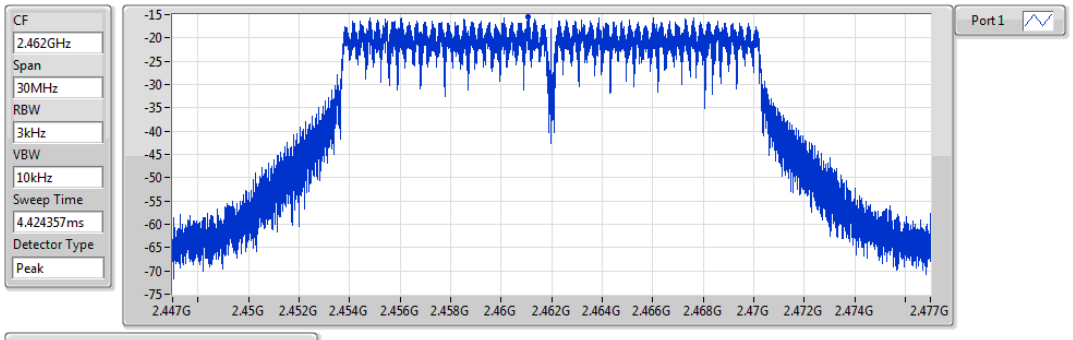
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.49	-15.49	-15.49

802.11g_Nss1,(6Mbps)_1TX PSD

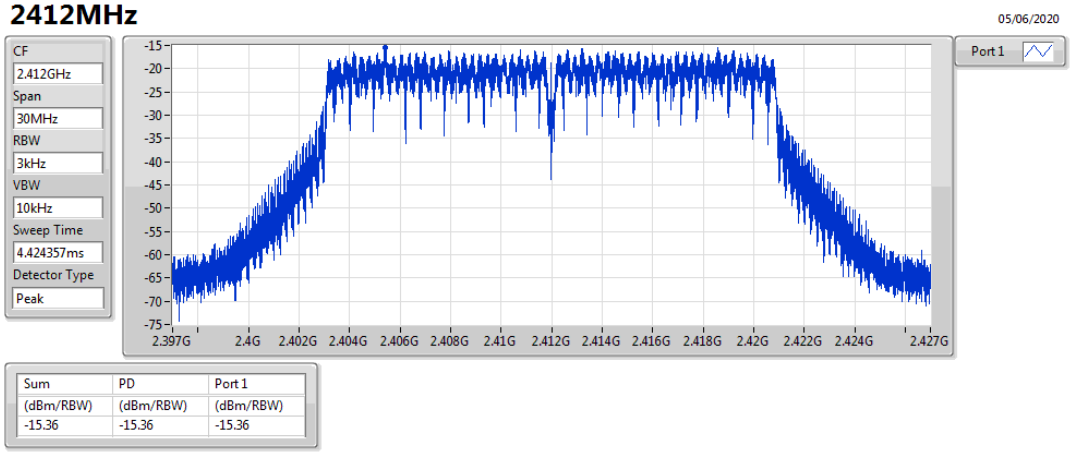
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.50	-15.50	-15.50

802.11n HT20_Nss1,(MCS0)_1TX PSD

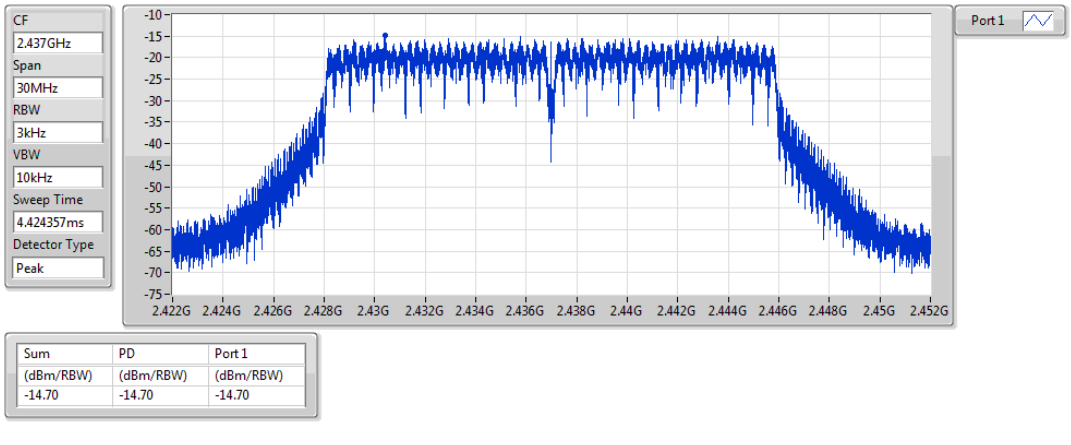
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.36	-15.36	-15.36

802.11n HT20_Nss1,(MCS0)_1TX PSD

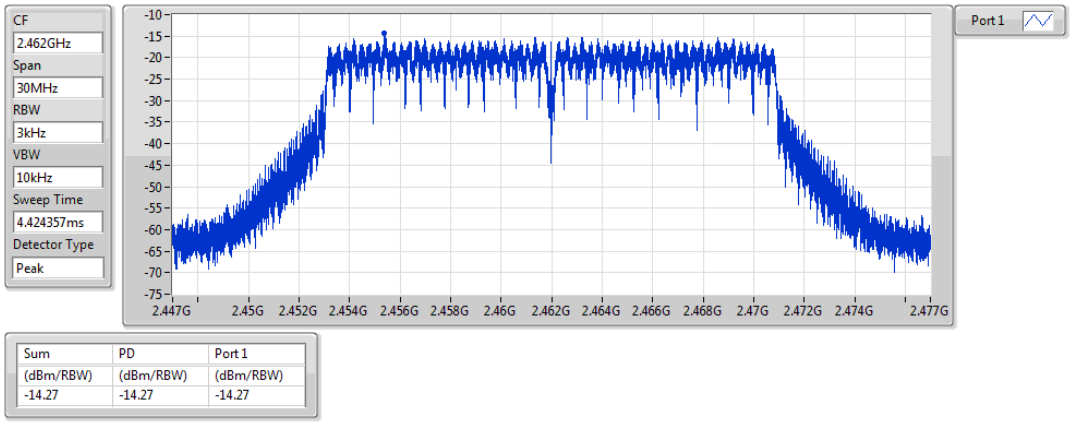
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.70	-14.70	-14.70

802.11n HT20_Nss1,(MCS0)_1TX PSD

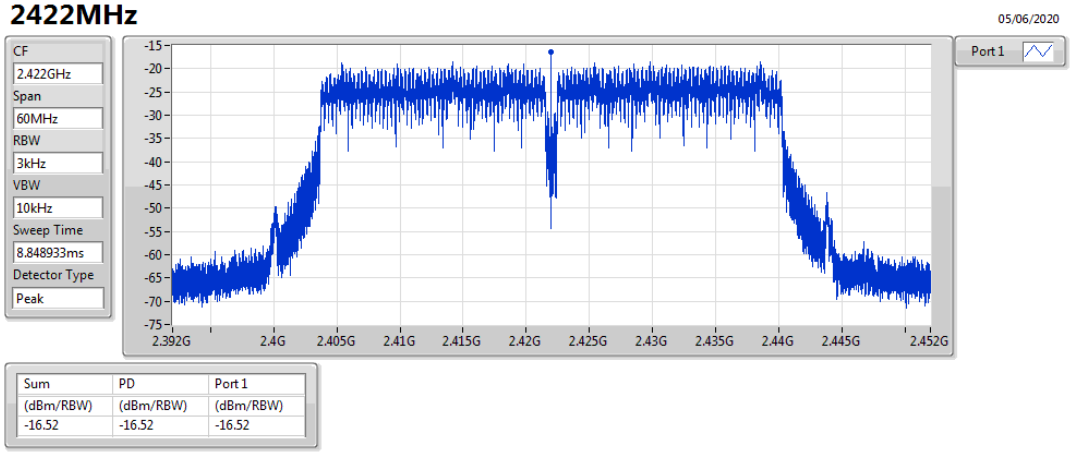
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.27	-14.27	-14.27

802.11n HT40_Nss1,(MCS0)_1TX PSD

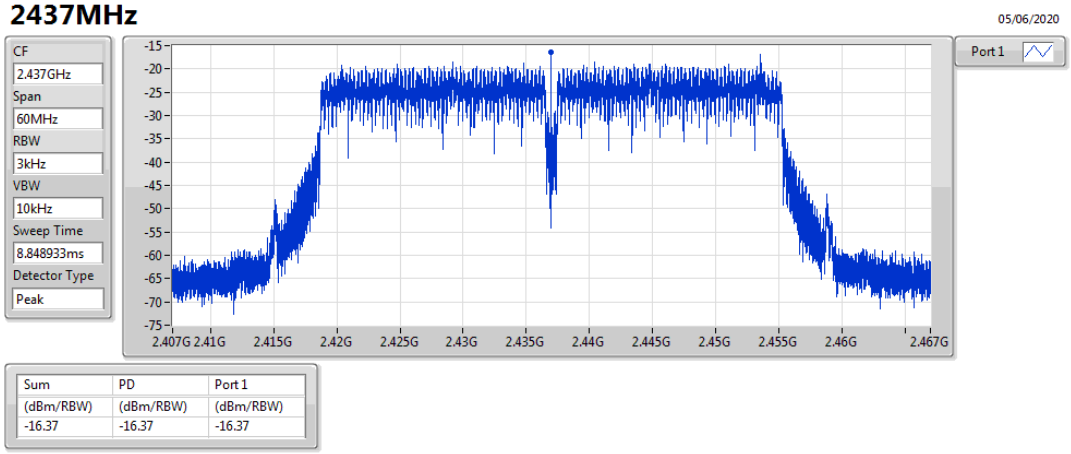
2422MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.52	-16.52	-16.52

802.11n HT40_Nss1,(MCS0)_1TX PSD

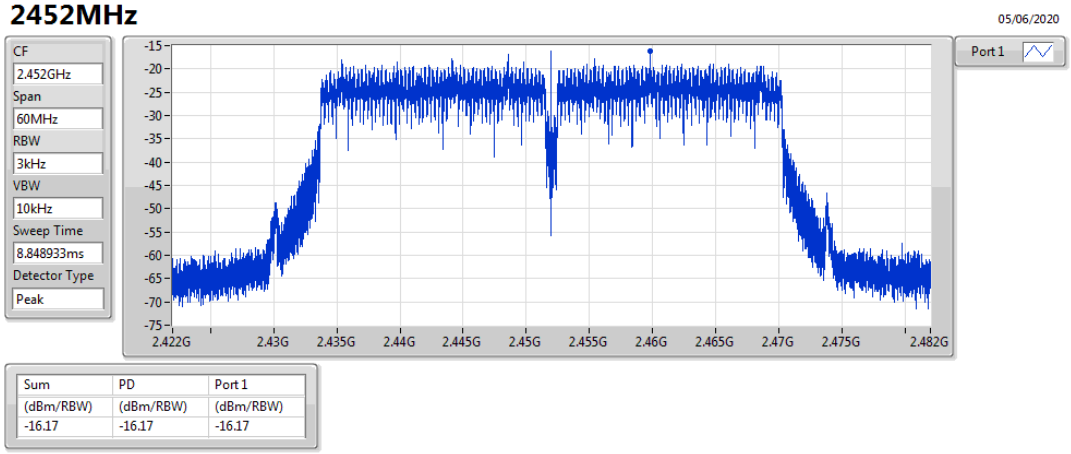
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.37	-16.37	-16.37

802.11n HT40_Nss1,(MCS0)_1TX PSD

2452MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.17	-16.17	-16.17

Summary

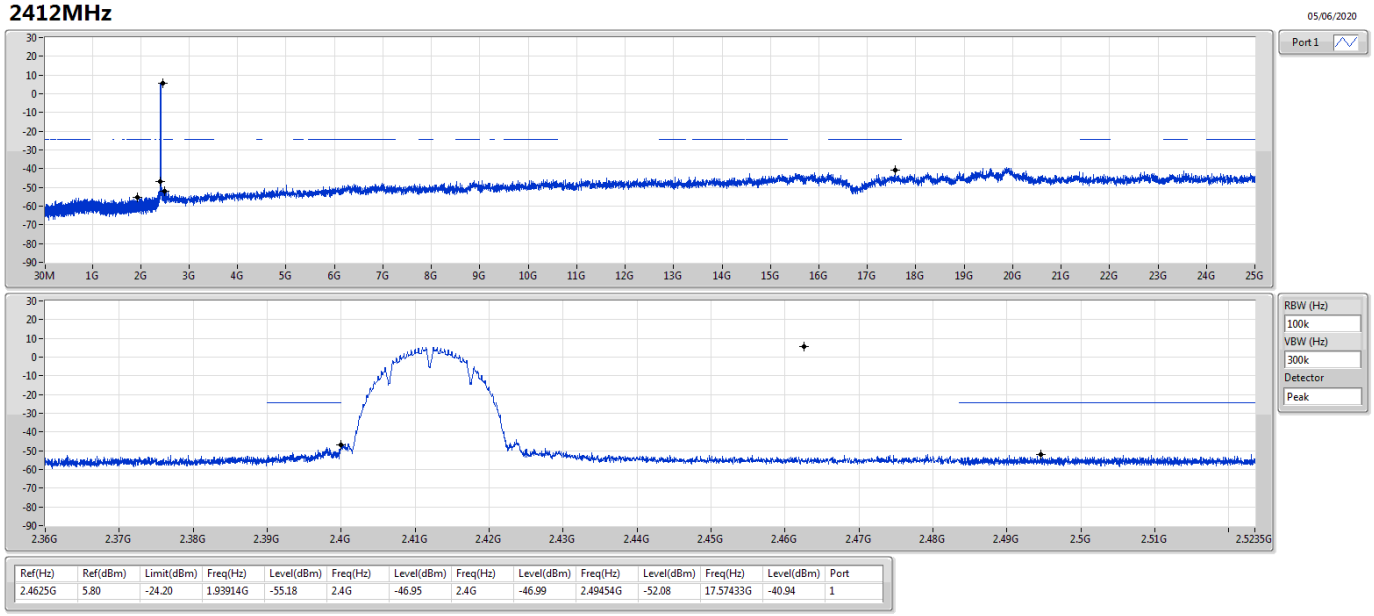
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.4625G	5.80	-24.20	1.93914G	-55.18	2.4G	-46.95	2.4G	-46.99	2.49454G	-52.08	17.57433G	-40.94	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.46613G	-0.90	-30.90	2.13923G	-54.57	2.3998G	-38.22	2.4G	-38.95	2.4941G	-50.50	23.21312G	-41.91	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.45912G	-0.01	-30.01	751.43M	-55.54	2.3999G	-37.32	2.4G	-38.07	2.48702G	-51.68	15.15529G	-41.70	1
802.11n HT40_Nss1,(MCS0)_1TX	Pass	2.44426G	-4.79	-34.79	2.11848G	-54.01	2.4G	-38.33	2.4G	-37.45	2.50598G	-51.35	17.55669G	-41.58	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)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4625G	5.80	-24.20	1.93914G	-55.18	2.4G	-46.95	2.4G	-46.99	2.49454G	-52.08	17.57433G	-40.94	1
2437MHz	Pass	2.4625G	5.80	-24.20	2.00846G	-54.53	2.39996G	-51.49	2.4G	-52.46	2.51648G	-51.15	23.54746G	-42.25	1
2462MHz	Pass	2.4625G	5.80	-24.20	2.11448G	-54.47	2.4G	-52.00	2.4G	-52.29	2.4962G	-51.73	21.95443G	-42.28	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.46613G	-0.90	-30.90	2.13923G	-54.57	2.3998G	-38.22	2.4G	-38.95	2.4941G	-50.50	23.21312G	-41.91	1
2437MHz	Pass	2.46613G	-0.90	-30.90	1.98895G	-55.53	2.4G	-50.30	2.4G	-51.02	2.51162G	-50.16	23.56431G	-41.41	1
2462MHz	Pass	2.46613G	-0.90	-30.90	2.30117G	-53.39	2.4G	-51.05	2.4835G	-48.82	2.48388G	-46.43	15.25082G	-42.10	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.45912G	-0.01	-30.01	751.43M	-55.54	2.3999G	-37.32	2.4G	-38.07	2.48702G	-51.68	15.15529G	-41.70	1
2437MHz	Pass	2.45912G	-0.01	-30.01	1.87565G	-55.62	2.4G	-50.94	2.4G	-51.61	2.52232G	-51.14	23.23559G	-41.91	1
2462MHz	Pass	2.45912G	-0.01	-30.01	2.30932G	-54.81	2.39948G	-52.92	2.4835G	-47.67	2.48422G	-44.65	17.60242G	-41.90	1
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44426G	-4.79	-34.79	2.11848G	-54.01	2.4G	-38.33	2.4G	-37.45	2.50598G	-51.35	17.55669G	-41.58	1
2437MHz	Pass	2.44426G	-4.79	-34.79	1.97049G	-55.61	2.39928G	-48.36	2.4G	-49.51	2.4885G	-49.71	24.60175G	-41.68	1
2452MHz	Pass	2.44426G	-4.79	-34.79	2.30826G	-54.28	2.4G	-51.71	2.4835G	-46.27	2.48638G	-46.13	24.36056G	-41.94	1

802.11b_Nss1,(1Mbps)_1TX **CSENdB**

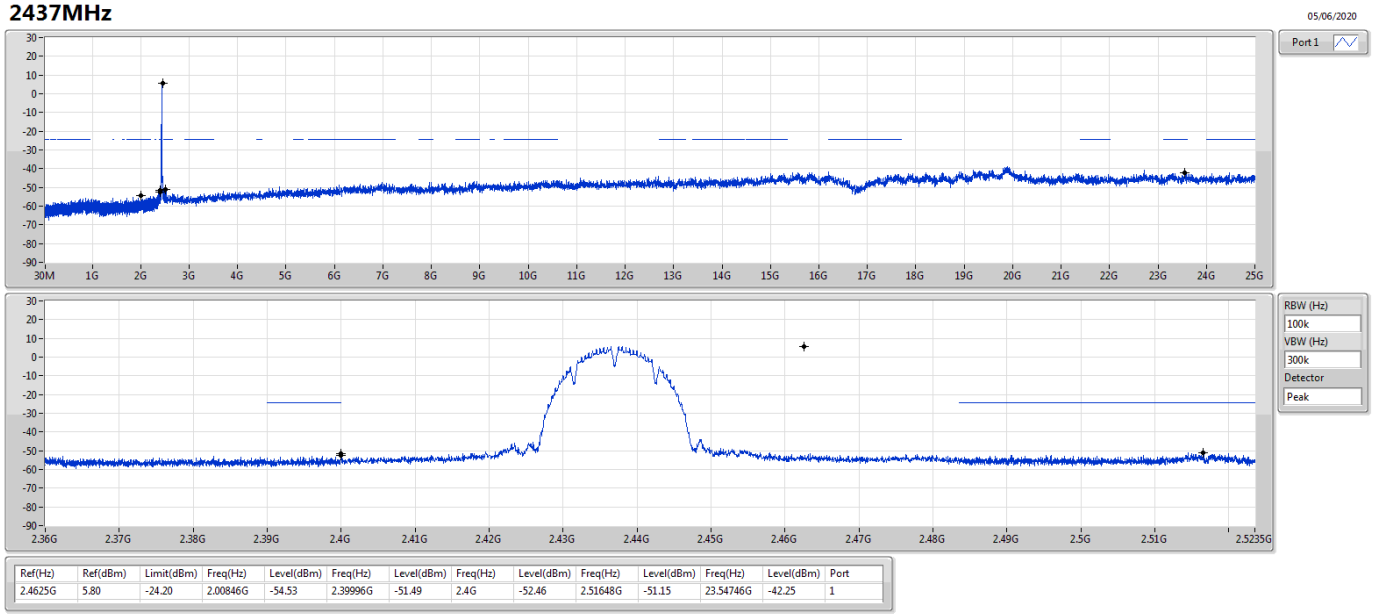
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4625G	5.80	-24.20	1.93914G	-55.18	2.4G	-46.95	2.4G	-46.99	2.49454G	-52.08	17.57433G	-40.94	1

802.11b_Nss1,(1Mbps)_1TX **CSENdB**

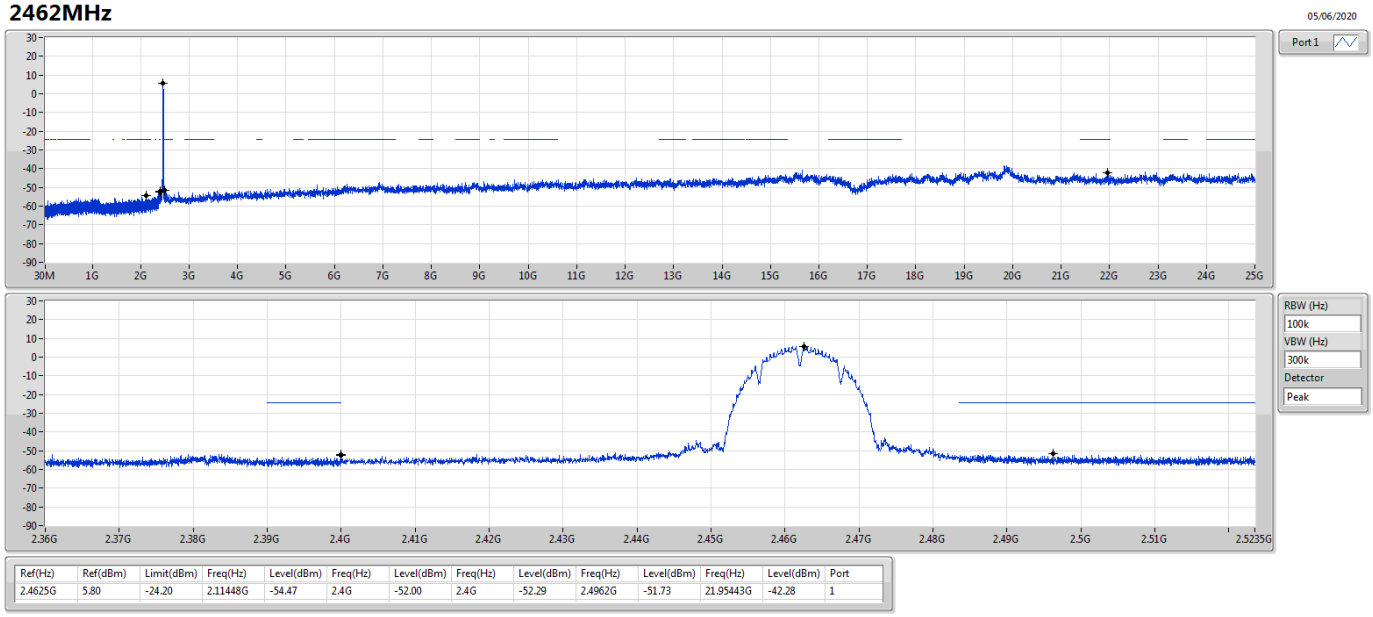
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4625G	5.80	-24.20	2.00846G	-54.53	2.39996G	-51.49	2.4G	-52.46	2.51648G	-51.15	23.54746G	-42.25	1

802.11b_Nss1,(1Mbps)_1TX **CSENdB**

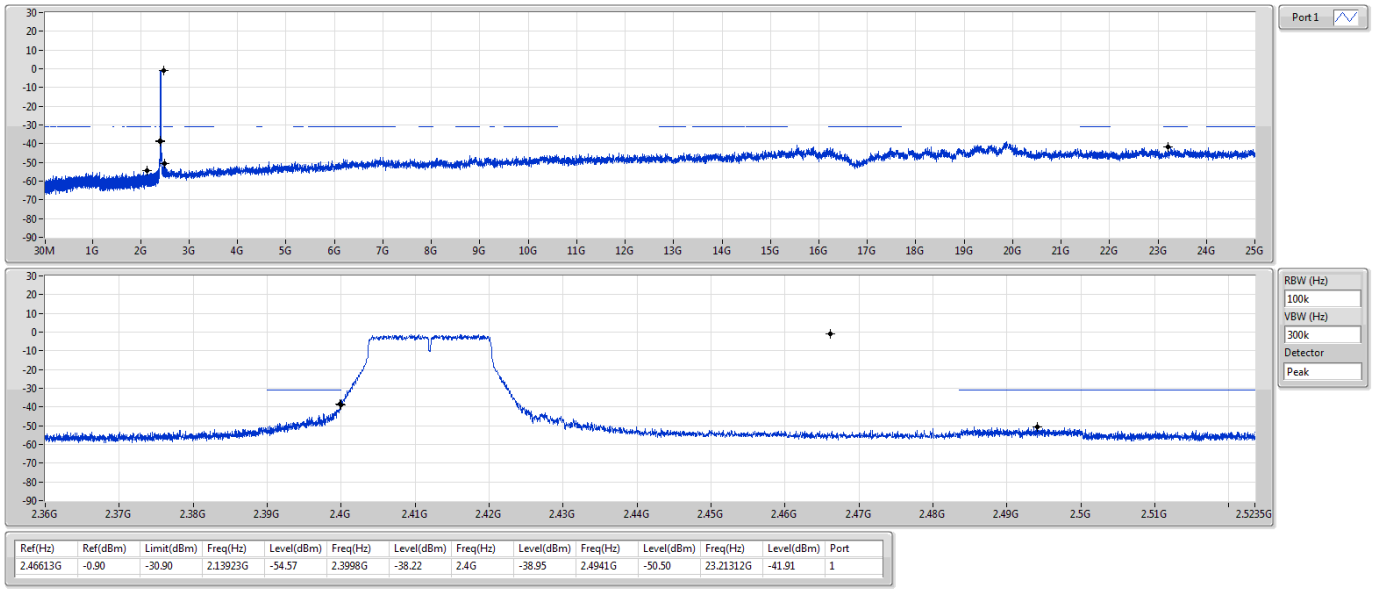
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4625G	5.80	-24.20	2.11448G	-54.47	2.4G	-52.00	2.4G	-52.29	2.4962G	-51.73	21.95443G	-42.28	1

802.11g_Nss1,(6Mbps)_1TX **CSENdB**

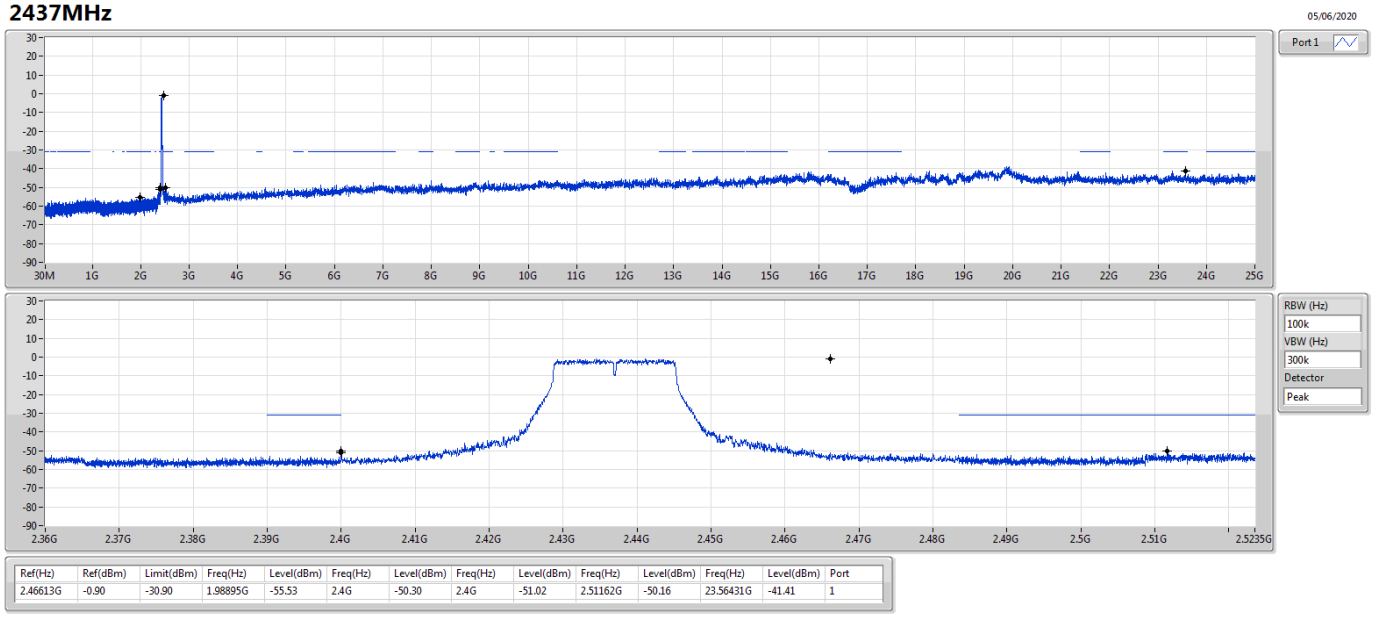
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46613G	-0.90	-30.90	2.13923G	-54.57	2.3998G	-38.22	2.4G	-38.95	2.4941G	-50.50	23.21312G	-41.91	1

802.11g_Nss1,(6Mbps)_1TX CSENdB

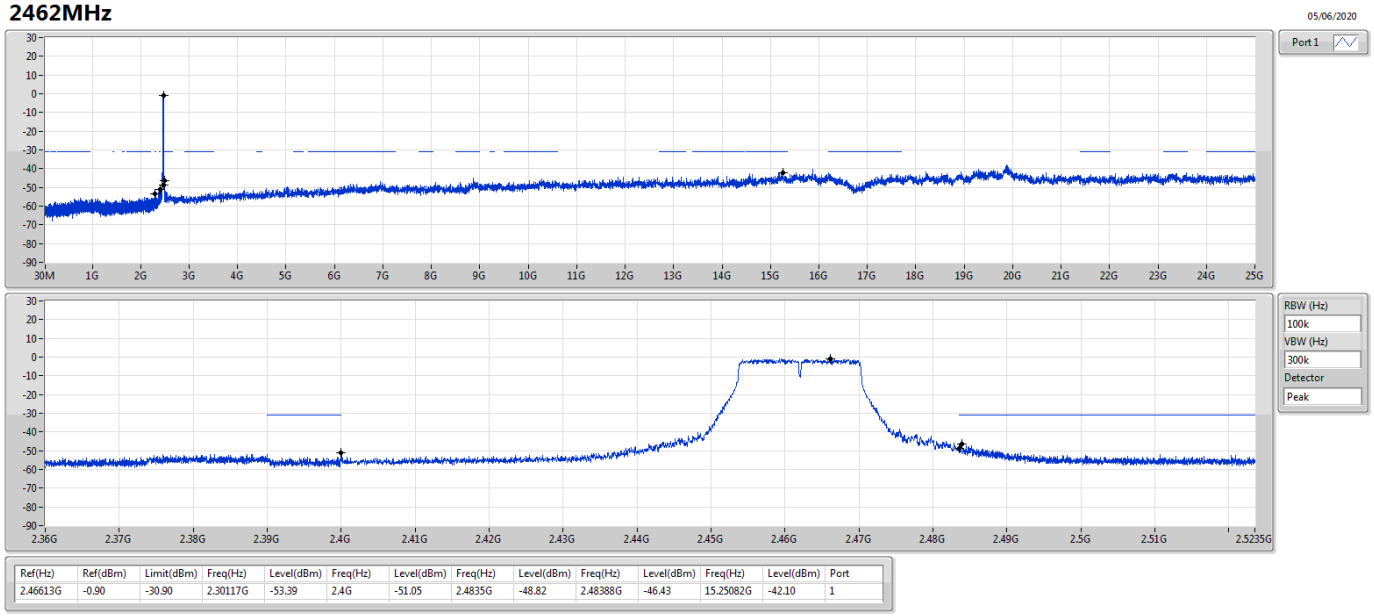
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46613G	-0.90	-30.90	1.98895G	-55.53	2.4G	-50.30	2.4G	-51.02	2.51162G	-50.16	23.56431G	-41.41	1

802.11g_Nss1,(6Mbps)_1TX CSENdB

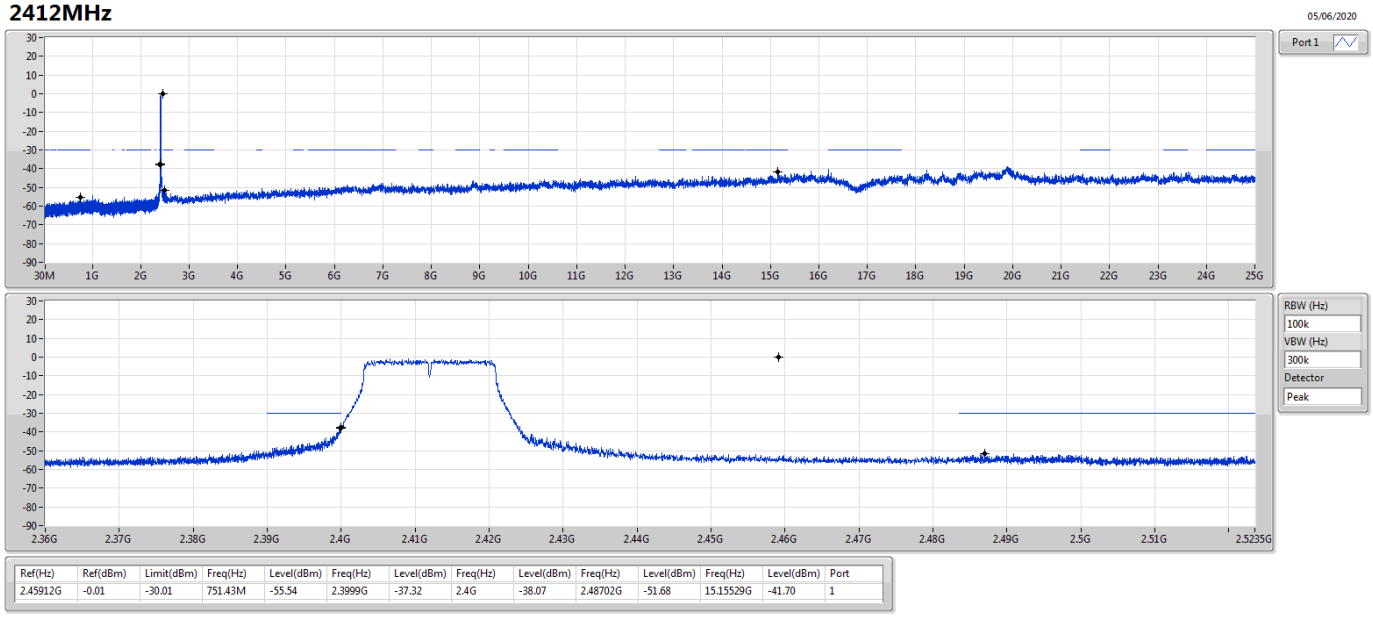
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46613G	-0.90	-30.90	2.30117G	-53.39	2.4G	-51.05	2.4835G	-48.82	2.48388G	-46.43	15.25082G	-42.10	1

802.11n HT20_Nss1,(MCS0)_1TX **CSENdB**

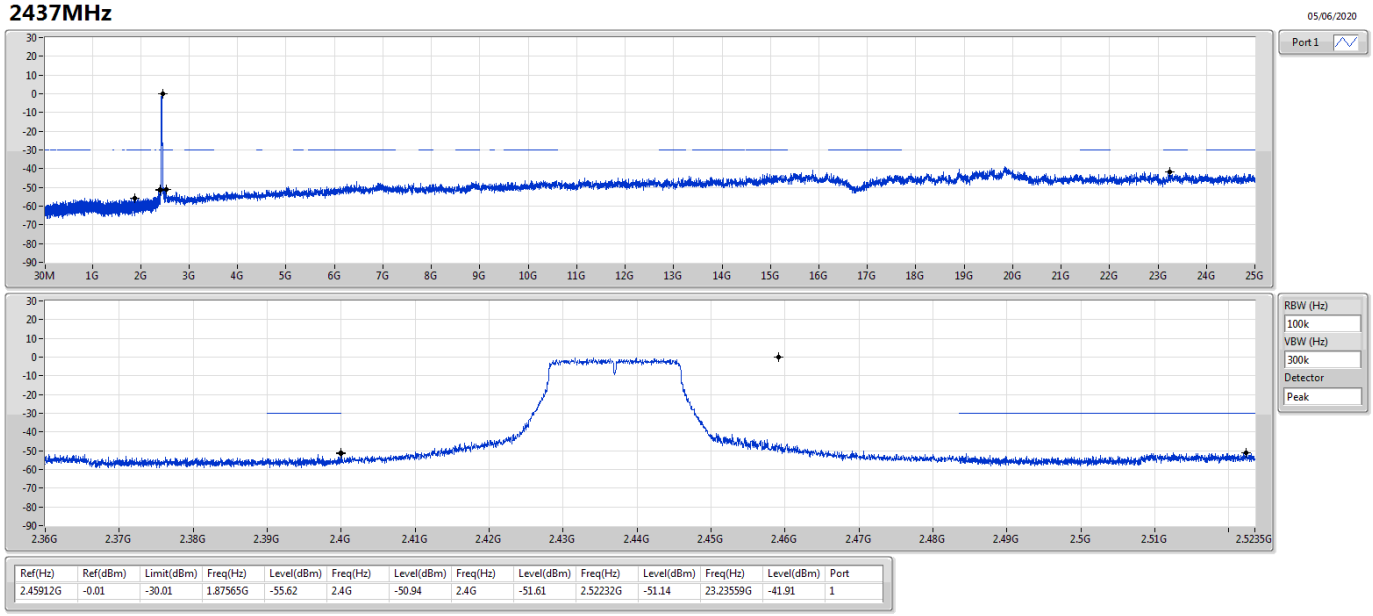
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.45912G	-0.01	-30.01	751.43M	-55.54	2.3999G	-37.32	2.4G	-38.07	2.48702G	-51.68	15.15529G	-41.70	1

802.11n HT20_Nss1,(MCS0)_1TX **CSENdB**

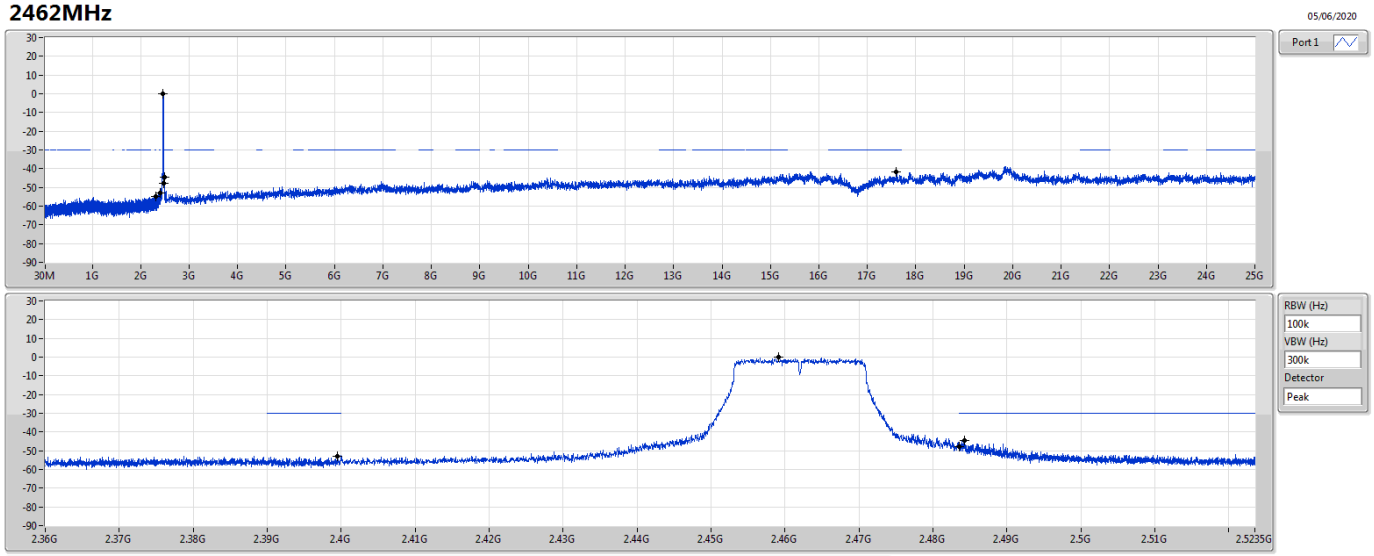
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.45912G	-0.01	-30.01	1.87565G	-55.62	2.4G	-50.94	2.4G	-51.61	2.52232G	-51.14	23.23559G	-41.91	1

802.11n HT20_Nss1,(MCS0)_1TX **CSENdB**

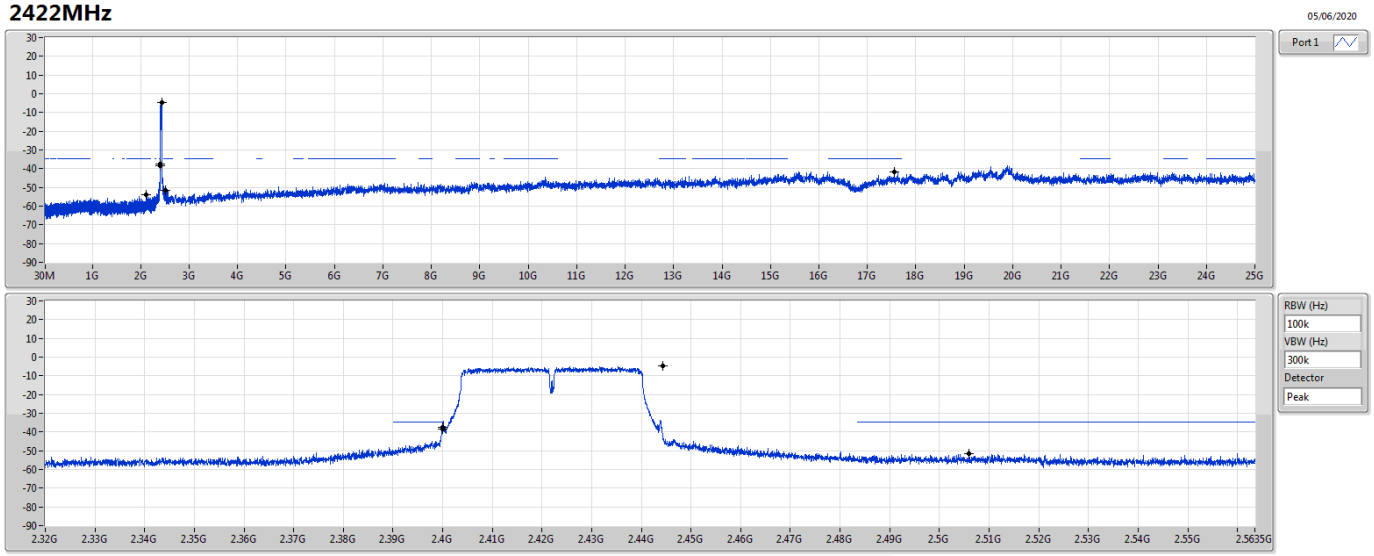
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.45912G	-0.01	-30.01	2.30932G	-54.81	2.39948G	-52.92	2.4835G	-47.67	2.48422G	-44.65	17.60242G	-41.90	1

802.11n HT40_Nss1,(MCS0)_1TX **CSENdB**

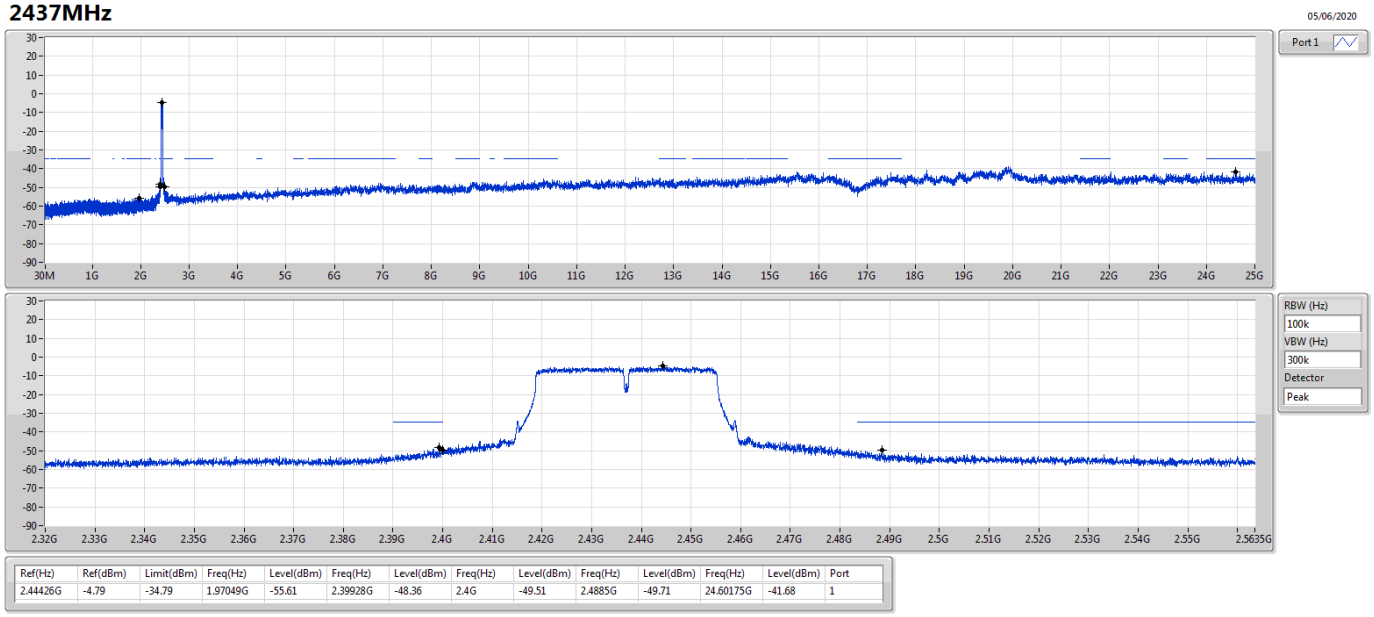
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44426G	-4.79	-34.79	2.11848G	-54.01	2.4G	-38.33	2.4G	-37.45	2.50598G	-51.35	17.55669G	-41.58	1

802.11n HT40_Nss1,(MCS0)_1TX **CSENdB**

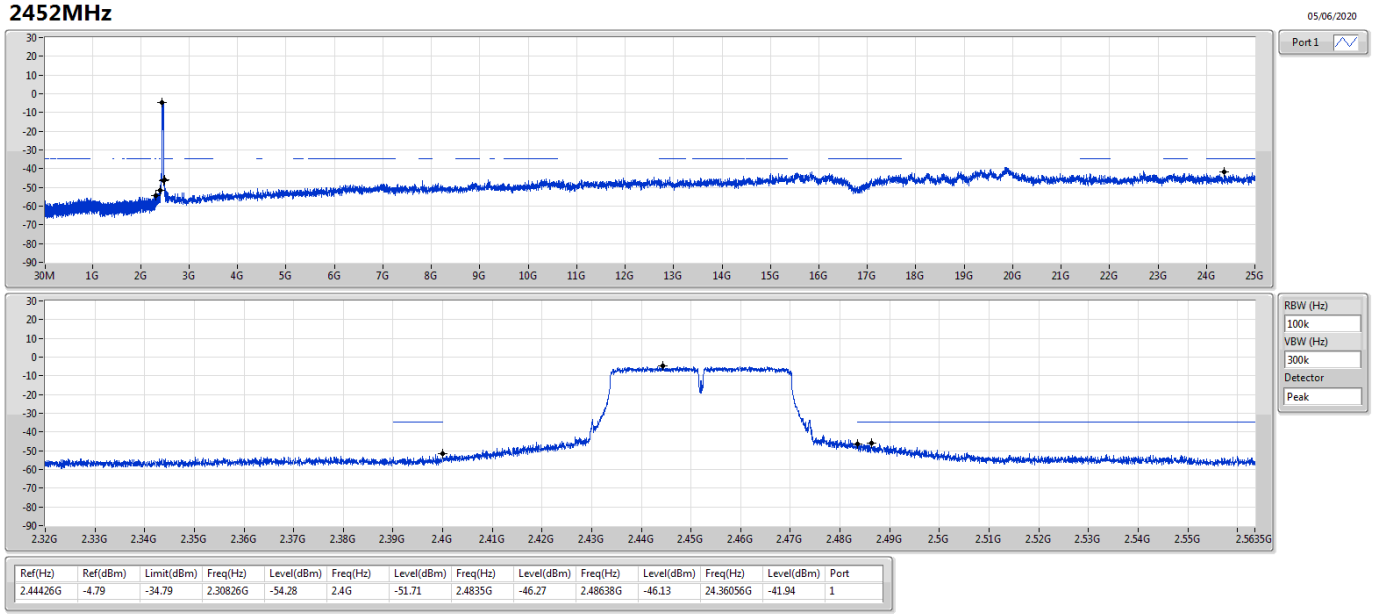
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44426G	-4.79	-34.79	1.97049G	-55.61	2.39928G	-48.36	2.4G	-49.51	2.4885G	-49.71	24.60175G	-41.68	1

802.11n HT40_Nss1,(MCS0)_1TX **CSENdB**

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44426G	-4.79	-34.79	2.30826G	-54.28	2.4G	-51.71	2.4835G	-46.27	2.48638G	-46.13	24.36056G	-41.94	1

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11n HT40_Nss1,(MCS0)_1TX	Pass	PK	30M	35.36	40.00	-4.64	3	Vertical	0	1.00	-

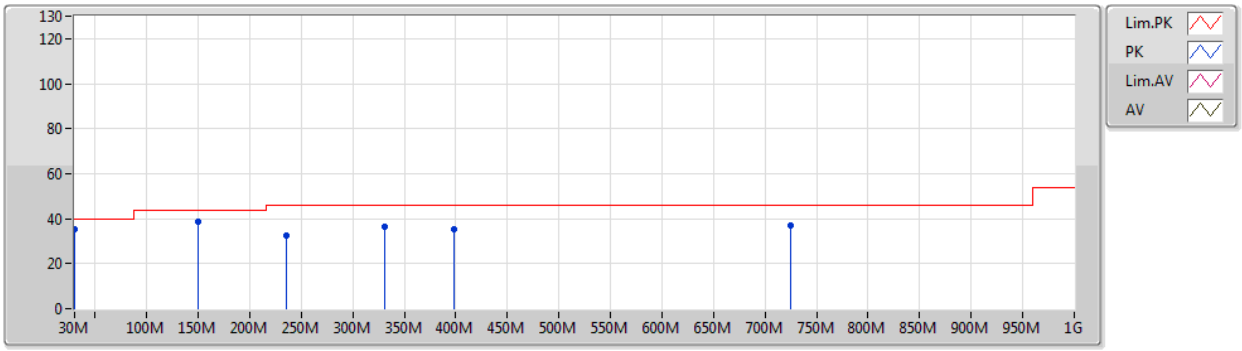
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	30M	35.36	40.00	-4.64	3	Vertical	0	1.00	-
2437MHz	Pass	PK	235.64M	32.27	46.00	-13.73	3	Vertical	0	1.00	-
2437MHz	Pass	PK	330.7M	36.32	46.00	-9.68	3	Vertical	0	1.00	-
2437MHz	Pass	PK	398.6M	35.34	46.00	-10.66	3	Vertical	0	1.00	-
2437MHz	Pass	PK	724.52M	37.24	46.00	-8.76	3	Vertical	0	1.00	-
2437MHz	Pass	QP	150.28M	38.49	43.50	-5.01	3	Vertical	156	1.00	-
2437MHz	Pass	PK	74.62M	33.33	40.00	-6.67	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	144.46M	34.40	43.50	-9.10	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	253.1M	39.79	46.00	-6.21	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	332.64M	39.98	46.00	-6.02	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	400.54M	38.33	46.00	-7.67	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	743.92M	39.94	46.00	-6.06	3	Horizontal	360	1.00	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_Switching Power Supply

09/06/2020

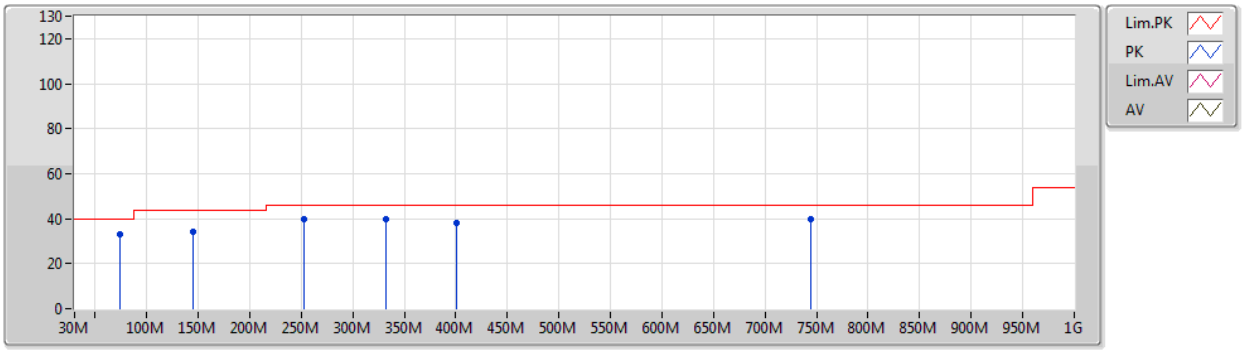


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	35.36	40.00	-4.64	-3.35	3	Vertical	0	1.00	-	38.71	23.33	0.90	27.58
PK	235.64M	32.27	46.00	-13.73	-8.44	3	Vertical	0	1.00	-	40.71	15.82	2.51	26.77
PK	330.7M	36.32	46.00	-9.68	-4.91	3	Vertical	0	1.00	-	41.23	18.90	3.02	26.83
PK	398.6M	35.34	46.00	-10.66	-2.95	3	Vertical	0	1.00	-	38.29	21.00	3.29	27.24
PK	724.52M	37.24	46.00	-8.76	0.88	3	Vertical	0	1.00	-	36.36	24.37	4.50	27.99
QP	150.28M	38.49	43.50	-5.01	-9.94	3	Vertical	156	1.00	-	48.43	15.29	1.95	27.18

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_Switching Power Supply

09/06/2020



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	74.62M	33.33	40.00	-6.67	-14.80	3	Horizontal	360	1.00	-	48.13	11.25	1.39	27.44
PK	144.46M	34.40	43.50	-9.10	-9.56	3	Horizontal	360	1.00	-	43.96	15.73	1.92	27.21
PK	253.1M	39.79	46.00	-6.21	-6.06	3	Horizontal	360	1.00	-	45.85	18.03	2.62	26.71
PK	332.64M	39.98	46.00	-6.02	-4.88	3	Horizontal	360	1.00	-	44.86	18.93	3.03	26.84
PK	400.54M	38.33	46.00	-7.67	-2.84	3	Horizontal	360	1.00	-	41.17	21.11	3.30	27.25
PK	743.92M	39.94	46.00	-6.06	1.47	3	Horizontal	360	1.00	-	38.47	24.90	4.58	28.01

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	AV	7.31178G	47.32	54.00	-6.68	3	Horizontal	109	2.71	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.39G	50.87	54.00	-3.13	3	Horizontal	110	2.44	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	2.39G	53.49	54.00	-0.51	3	Horizontal	111	2.44	-
802.11n HT40_Nss1,(MCS0)_1TX	Pass	AV	2.39G	52.92	54.00	-1.08	3	Horizontal	116	2.24	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3324G	41.31	54.00	-12.69	3	Vertical	170	1.98	-
2412MHz	Pass	AV	2.4112G	102.09	Inf	-Inf	3	Vertical	170	1.98	-
2412MHz	Pass	AV	2.4932G	41.62	54.00	-12.38	3	Vertical	170	1.98	-
2412MHz	Pass	PK	2.3328G	53.16	74.00	-20.84	3	Vertical	170	1.98	-
2412MHz	Pass	PK	2.412G	105.04	Inf	-Inf	3	Vertical	170	1.98	-
2412MHz	Pass	PK	2.4892G	52.66	74.00	-21.34	3	Vertical	170	1.98	-
2412MHz	Pass	AV	2.3328G	42.34	54.00	-11.66	3	Horizontal	115	1.99	-
2412MHz	Pass	AV	2.4128G	105.89	Inf	-Inf	3	Horizontal	115	1.99	-
2412MHz	Pass	AV	2.4912G	43.16	54.00	-10.84	3	Horizontal	115	1.99	-
2412MHz	Pass	PK	2.3344G	53.48	74.00	-20.52	3	Horizontal	115	1.99	-
2412MHz	Pass	PK	2.412G	108.88	Inf	-Inf	3	Horizontal	115	1.99	-
2412MHz	Pass	PK	2.492G	53.34	74.00	-20.66	3	Horizontal	115	1.99	-
2412MHz	Pass	AV	4.82398G	39.65	54.00	-14.35	3	Vertical	126	1.49	-
2412MHz	Pass	PK	4.82383G	48.74	74.00	-25.26	3	Vertical	126	1.49	-
2412MHz	Pass	AV	4.824G	39.82	54.00	-14.18	3	Horizontal	129	1.53	-
2412MHz	Pass	PK	4.82394G	47.90	74.00	-26.10	3	Horizontal	129	1.53	-
2437MHz	Pass	AV	2.359G	40.16	54.00	-13.84	3	Vertical	173	1.48	-
2437MHz	Pass	AV	2.4362G	99.04	Inf	-Inf	3	Vertical	173	1.48	-
2437MHz	Pass	AV	2.4994G	40.21	54.00	-13.79	3	Vertical	173	1.48	-
2437MHz	Pass	PK	2.3774G	51.83	74.00	-22.17	3	Vertical	173	1.48	-
2437MHz	Pass	PK	2.437G	101.98	Inf	-Inf	3	Vertical	173	1.48	-
2437MHz	Pass	PK	2.4938G	51.88	74.00	-22.12	3	Vertical	173	1.48	-
2437MHz	Pass	AV	2.3542G	41.12	54.00	-12.88	3	Horizontal	113	2.41	-
2437MHz	Pass	AV	2.4362G	101.88	Inf	-Inf	3	Horizontal	113	2.41	-
2437MHz	Pass	AV	2.4966G	40.49	54.00	-13.51	3	Horizontal	113	2.41	-
2437MHz	Pass	PK	2.3594G	52.34	74.00	-21.66	3	Horizontal	113	2.41	-
2437MHz	Pass	PK	2.437G	104.79	Inf	-Inf	3	Horizontal	113	2.41	-
2437MHz	Pass	PK	2.4978G	52.21	74.00	-21.79	3	Horizontal	113	2.41	-
2437MHz	Pass	AV	4.874G	37.80	54.00	-16.20	3	Vertical	158	1.78	-
2437MHz	Pass	AV	7.31178G	47.26	54.00	-6.74	3	Vertical	133	1.44	-
2437MHz	Pass	PK	4.87381G	47.77	74.00	-26.23	3	Vertical	158	1.78	-
2437MHz	Pass	PK	7.30896G	56.18	74.00	-17.82	3	Vertical	133	1.44	-
2437MHz	Pass	AV	4.87398G	39.26	54.00	-14.74	3	Horizontal	100	1.54	-
2437MHz	Pass	AV	7.31178G	47.32	54.00	-6.68	3	Horizontal	109	2.71	-
2437MHz	Pass	PK	4.87393G	48.83	74.00	-25.17	3	Horizontal	100	1.54	-
2437MHz	Pass	PK	7.31046G	56.01	74.00	-17.99	3	Horizontal	109	2.71	-
2462MHz	Pass	AV	2.3824G	40.37	54.00	-13.63	3	Vertical	175	1.62	-
2462MHz	Pass	AV	2.4612G	98.03	Inf	-Inf	3	Vertical	175	1.62	-
2462MHz	Pass	AV	2.4844G	41.06	54.00	-12.94	3	Vertical	175	1.62	-
2462MHz	Pass	PK	2.3732G	52.19	74.00	-21.81	3	Vertical	175	1.62	-
2462MHz	Pass	PK	2.462G	101.05	Inf	-Inf	3	Vertical	175	1.62	-
2462MHz	Pass	PK	2.4888G	53.13	74.00	-20.87	3	Vertical	175	1.62	-
2462MHz	Pass	AV	2.3824G	41.31	54.00	-12.69	3	Horizontal	115	2.39	-
2462MHz	Pass	AV	2.4612G	100.58	Inf	-Inf	3	Horizontal	115	2.39	-
2462MHz	Pass	AV	2.4872G	41.75	54.00	-12.25	3	Horizontal	115	2.39	-
2462MHz	Pass	PK	2.3884G	52.94	74.00	-21.06	3	Horizontal	115	2.39	-
2462MHz	Pass	PK	2.462G	103.68	Inf	-Inf	3	Horizontal	115	2.39	-

Level (dBuV/m) = Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	2.484G	54.28	74.00	-19.72	3	Horizontal	115	2.39	-
2462MHz	Pass	AV	4.92388G	35.86	54.00	-18.14	3	Vertical	158	1.45	-
2462MHz	Pass	AV	7.38678G	45.46	54.00	-8.54	3	Vertical	214	1.50	-
2462MHz	Pass	PK	4.92434G	47.71	74.00	-26.29	3	Vertical	158	1.45	-
2462MHz	Pass	PK	7.38792G	54.41	74.00	-19.59	3	Vertical	214	1.50	-
2462MHz	Pass	AV	4.92397G	35.78	54.00	-18.22	3	Horizontal	253	1.45	-
2462MHz	Pass	AV	7.38678G	47.25	54.00	-6.75	3	Horizontal	112	1.55	-
2462MHz	Pass	PK	4.92616G	47.41	74.00	-26.59	3	Horizontal	253	1.45	-
2462MHz	Pass	PK	7.38462G	55.61	74.00	-18.39	3	Horizontal	112	1.55	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	46.36	54.00	-7.64	3	Vertical	186	1.99	-
2412MHz	Pass	AV	2.4108G	96.52	Inf	-Inf	3	Vertical	186	1.99	-
2412MHz	Pass	AV	2.486G	42.29	54.00	-11.71	3	Vertical	186	1.99	-
2412MHz	Pass	PK	2.39G	60.41	74.00	-13.59	3	Vertical	186	1.99	-
2412MHz	Pass	PK	2.4132G	104.36	Inf	-Inf	3	Vertical	186	1.99	-
2412MHz	Pass	PK	2.4924G	53.83	74.00	-20.17	3	Vertical	186	1.99	-
2412MHz	Pass	AV	2.39G	50.87	54.00	-3.13	3	Horizontal	110	2.44	-
2412MHz	Pass	AV	2.4092G	100.21	Inf	-Inf	3	Horizontal	110	2.44	-
2412MHz	Pass	AV	2.494G	43.37	54.00	-10.63	3	Horizontal	110	2.44	-
2412MHz	Pass	PK	2.39G	65.31	74.00	-8.69	3	Horizontal	110	2.44	-
2412MHz	Pass	PK	2.4056G	108.28	Inf	-Inf	3	Horizontal	110	2.44	-
2412MHz	Pass	PK	2.4948G	54.30	74.00	-19.70	3	Horizontal	110	2.44	-
2412MHz	Pass	AV	4.82208G	34.49	54.00	-19.51	3	Vertical	128	1.48	-
2412MHz	Pass	PK	4.8182G	47.57	74.00	-26.43	3	Vertical	128	1.48	-
2412MHz	Pass	AV	4.8226G	34.37	54.00	-19.63	3	Horizontal	119	1.47	-
2412MHz	Pass	PK	4.829G	47.63	74.00	-26.37	3	Horizontal	119	1.47	-
2437MHz	Pass	AV	2.3494G	41.04	54.00	-12.96	3	Vertical	174	2.01	-
2437MHz	Pass	AV	2.4298G	94.46	Inf	-Inf	3	Vertical	174	2.01	-
2437MHz	Pass	AV	2.4846G	39.98	54.00	-14.02	3	Vertical	174	2.01	-
2437MHz	Pass	PK	2.3378G	52.87	74.00	-21.13	3	Vertical	174	2.01	-
2437MHz	Pass	PK	2.4306G	102.57	Inf	-Inf	3	Vertical	174	2.01	-
2437MHz	Pass	PK	2.4874G	52.04	74.00	-21.96	3	Vertical	174	2.01	-
2437MHz	Pass	AV	2.3502G	43.96	54.00	-10.04	3	Horizontal	109	2.29	-
2437MHz	Pass	AV	2.4298G	97.49	Inf	-Inf	3	Horizontal	109	2.29	-
2437MHz	Pass	AV	2.4835G	40.31	54.00	-13.69	3	Horizontal	109	2.29	-
2437MHz	Pass	PK	2.3514G	54.71	74.00	-19.29	3	Horizontal	109	2.29	-
2437MHz	Pass	PK	2.4306G	105.66	Inf	-Inf	3	Horizontal	109	2.29	-
2437MHz	Pass	PK	2.493G	52.83	74.00	-21.17	3	Horizontal	109	2.29	-
2437MHz	Pass	AV	4.86032G	34.43	54.00	-19.57	3	Vertical	5	2.00	-
2437MHz	Pass	AV	7.31202G	42.71	54.00	-11.29	3	Vertical	132	1.41	-
2437MHz	Pass	PK	4.88624G	48.77	74.00	-25.23	3	Vertical	5	2.00	-
2437MHz	Pass	PK	7.3128G	55.90	74.00	-18.10	3	Vertical	132	1.41	-
2437MHz	Pass	AV	4.87596G	34.62	54.00	-19.38	3	Horizontal	100	1.50	-
2437MHz	Pass	AV	7.30962G	42.55	54.00	-11.45	3	Horizontal	110	2.71	-
2437MHz	Pass	PK	4.87612G	47.28	74.00	-26.72	3	Horizontal	100	1.50	-
2437MHz	Pass	PK	7.31238G	56.20	74.00	-17.80	3	Horizontal	110	2.71	-
2462MHz	Pass	AV	2.3892G	40.70	54.00	-13.30	3	Vertical	177	1.84	-
2462MHz	Pass	AV	2.4688G	92.88	Inf	-Inf	3	Vertical	177	1.84	-
2462MHz	Pass	AV	2.4835G	46.23	54.00	-7.77	3	Vertical	177	1.84	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	2.378G	52.00	74.00	-22.00	3	Vertical	177	1.84	-
2462MHz	Pass	PK	2.4688G	100.97	Inf	-Inf	3	Vertical	177	1.84	-
2462MHz	Pass	PK	2.4852G	62.99	74.00	-11.01	3	Vertical	177	1.84	-
2462MHz	Pass	AV	2.3888G	41.71	54.00	-12.29	3	Horizontal	115	2.29	-
2462MHz	Pass	AV	2.4688G	94.49	Inf	-Inf	3	Horizontal	115	2.29	-
2462MHz	Pass	AV	2.4835G	47.98	54.00	-6.02	3	Horizontal	115	2.29	-
2462MHz	Pass	PK	2.3764G	53.96	74.00	-20.04	3	Horizontal	115	2.29	-
2462MHz	Pass	PK	2.4688G	102.59	Inf	-Inf	3	Horizontal	115	2.29	-
2462MHz	Pass	PK	2.4848G	65.53	74.00	-8.47	3	Horizontal	115	2.29	-
2462MHz	Pass	AV	4.93136G	34.46	54.00	-19.54	3	Vertical	241	1.50	-
2462MHz	Pass	AV	7.39038G	41.48	54.00	-12.52	3	Vertical	214	1.54	-
2462MHz	Pass	PK	4.9202G	46.88	74.00	-27.12	3	Vertical	241	1.50	-
2462MHz	Pass	PK	7.38618G	54.40	74.00	-19.60	3	Vertical	214	1.54	-
2462MHz	Pass	AV	4.92524G	34.32	54.00	-19.68	3	Horizontal	84	2.49	-
2462MHz	Pass	AV	7.3881G	42.13	54.00	-11.87	3	Horizontal	112	1.58	-
2462MHz	Pass	PK	4.92316G	46.62	74.00	-27.38	3	Horizontal	84	2.49	-
2462MHz	Pass	PK	7.39422G	54.62	74.00	-19.38	3	Horizontal	112	1.58	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	48.87	54.00	-5.13	3	Vertical	186	2.00	-
2412MHz	Pass	AV	2.4104G	96.64	Inf	-Inf	3	Vertical	186	2.00	-
2412MHz	Pass	AV	2.4848G	42.48	54.00	-11.52	3	Vertical	186	2.00	-
2412MHz	Pass	PK	2.39G	66.75	74.00	-7.25	3	Vertical	186	2.00	-
2412MHz	Pass	PK	2.4088G	105.42	Inf	-Inf	3	Vertical	186	2.00	-
2412MHz	Pass	PK	2.4884G	53.77	74.00	-20.23	3	Vertical	186	2.00	-
2412MHz	Pass	AV	2.39G	53.49	54.00	-0.51	3	Horizontal	111	2.44	-
2412MHz	Pass	AV	2.4064G	100.24	Inf	-Inf	3	Horizontal	111	2.44	-
2412MHz	Pass	AV	2.4944G	43.46	54.00	-10.54	3	Horizontal	111	2.44	-
2412MHz	Pass	PK	2.39G	71.36	74.00	-2.64	3	Horizontal	111	2.44	-
2412MHz	Pass	PK	2.4092G	108.95	Inf	-Inf	3	Horizontal	111	2.44	-
2412MHz	Pass	PK	2.4944G	54.82	74.00	-19.18	3	Horizontal	111	2.44	-
2412MHz	Pass	AV	4.8225G	34.59	54.00	-19.41	3	Vertical	125	1.46	-
2412MHz	Pass	PK	4.839G	46.90	74.00	-27.10	3	Vertical	125	1.46	-
2412MHz	Pass	AV	4.82036G	34.62	54.00	-19.38	3	Horizontal	129	1.50	-
2412MHz	Pass	PK	4.82184G	46.91	74.00	-27.09	3	Horizontal	129	1.50	-
2437MHz	Pass	AV	2.3486G	40.60	54.00	-13.40	3	Vertical	176	1.67	-
2437MHz	Pass	AV	2.4302G	94.34	Inf	-Inf	3	Vertical	176	1.67	-
2437MHz	Pass	AV	2.4838G	40.75	54.00	-13.25	3	Vertical	176	1.67	-
2437MHz	Pass	PK	2.3558G	52.70	74.00	-21.30	3	Vertical	176	1.67	-
2437MHz	Pass	PK	2.429G	102.28	Inf	-Inf	3	Vertical	176	1.67	-
2437MHz	Pass	PK	2.4846G	54.45	74.00	-19.55	3	Vertical	176	1.67	-
2437MHz	Pass	AV	2.3494G	41.84	54.00	-12.16	3	Horizontal	112	2.41	-
2437MHz	Pass	AV	2.4298G	97.67	Inf	-Inf	3	Horizontal	112	2.41	-
2437MHz	Pass	AV	2.4842G	41.12	54.00	-12.88	3	Horizontal	112	2.41	-
2437MHz	Pass	PK	2.389G	53.66	74.00	-20.34	3	Horizontal	112	2.41	-
2437MHz	Pass	PK	2.429G	105.58	Inf	-Inf	3	Horizontal	112	2.41	-
2437MHz	Pass	PK	2.485G	56.25	74.00	-17.75	3	Horizontal	112	2.41	-
2437MHz	Pass	AV	4.87328G	34.48	54.00	-19.52	3	Vertical	204	1.99	-
2437MHz	Pass	AV	7.31556G	43.03	54.00	-10.97	3	Vertical	131	1.39	-
2437MHz	Pass	PK	4.87514G	46.85	74.00	-27.15	3	Vertical	204	1.99	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	7.32048G	56.92	74.00	-17.08	3	Vertical	131	1.39	-
2437MHz	Pass	AV	4.87724G	34.53	54.00	-19.47	3	Horizontal	101	1.50	-
2437MHz	Pass	AV	7.30698G	41.84	54.00	-12.16	3	Horizontal	112	1.46	-
2437MHz	Pass	PK	4.87676G	47.07	74.00	-26.93	3	Horizontal	101	1.50	-
2437MHz	Pass	PK	7.30188G	54.97	74.00	-19.03	3	Horizontal	112	1.46	-
2462MHz	Pass	AV	2.3892G	41.45	54.00	-12.55	3	Vertical	179	1.85	-
2462MHz	Pass	AV	2.4692G	92.80	Inf	-Inf	3	Vertical	179	1.85	-
2462MHz	Pass	AV	2.4835G	48.11	54.00	-5.89	3	Vertical	179	1.85	-
2462MHz	Pass	PK	2.3896G	52.80	74.00	-21.20	3	Vertical	179	1.85	-
2462MHz	Pass	PK	2.4688G	100.79	Inf	-Inf	3	Vertical	179	1.85	-
2462MHz	Pass	PK	2.486G	65.99	74.00	-8.01	3	Vertical	179	1.85	-
2462MHz	Pass	AV	2.3892G	42.84	54.00	-11.16	3	Horizontal	115	2.37	-
2462MHz	Pass	AV	2.4552G	94.67	Inf	-Inf	3	Horizontal	115	2.37	-
2462MHz	Pass	AV	2.4835G	49.61	54.00	-4.39	3	Horizontal	115	2.37	-
2462MHz	Pass	PK	2.3828G	54.61	74.00	-19.39	3	Horizontal	115	2.37	-
2462MHz	Pass	PK	2.4588G	103.47	Inf	-Inf	3	Horizontal	115	2.37	-
2462MHz	Pass	PK	2.4856G	67.51	74.00	-6.49	3	Horizontal	115	2.37	-
2462MHz	Pass	AV	4.91404G	34.41	54.00	-19.59	3	Vertical	16	1.57	-
2462MHz	Pass	AV	7.39002G	41.57	54.00	-12.43	3	Vertical	213	1.50	-
2462MHz	Pass	PK	4.91428G	46.82	74.00	-27.18	3	Vertical	16	1.57	-
2462MHz	Pass	PK	7.38192G	54.85	74.00	-19.15	3	Vertical	213	1.50	-
2462MHz	Pass	AV	4.93252G	34.36	54.00	-19.64	3	Horizontal	16	1.56	-
2462MHz	Pass	AV	7.38636G	42.31	54.00	-11.69	3	Horizontal	111	1.53	-
2462MHz	Pass	PK	4.91152G	46.84	74.00	-27.16	3	Horizontal	16	1.56	-
2462MHz	Pass	PK	7.3872G	55.67	74.00	-18.33	3	Horizontal	111	1.53	-
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	50.08	54.00	-3.92	3	Vertical	183	2.00	-
2422MHz	Pass	AV	2.4088G	92.68	Inf	-Inf	3	Vertical	183	2.00	-
2422MHz	Pass	AV	2.4964G	41.84	54.00	-12.16	3	Vertical	183	2.00	-
2422MHz	Pass	PK	2.3892G	64.03	74.00	-9.97	3	Vertical	183	2.00	-
2422MHz	Pass	PK	2.4068G	101.33	Inf	-Inf	3	Vertical	183	2.00	-
2422MHz	Pass	PK	2.4952G	54.01	74.00	-19.99	3	Vertical	183	2.00	-
2422MHz	Pass	AV	2.39G	52.92	54.00	-1.08	3	Horizontal	116	2.24	-
2422MHz	Pass	AV	2.4176G	96.37	Inf	-Inf	3	Horizontal	116	2.24	-
2422MHz	Pass	AV	2.4944G	42.51	54.00	-11.49	3	Horizontal	116	2.24	-
2422MHz	Pass	PK	2.3888G	67.91	74.00	-6.09	3	Horizontal	116	2.24	-
2422MHz	Pass	PK	2.4144G	105.06	Inf	-Inf	3	Horizontal	116	2.24	-
2422MHz	Pass	PK	2.4948G	54.81	74.00	-19.19	3	Horizontal	116	2.24	-
2422MHz	Pass	AV	4.8572G	34.32	54.00	-19.68	3	Vertical	290	1.50	-
2422MHz	Pass	AV	7.27026G	41.50	54.00	-12.50	3	Vertical	131	1.50	-
2422MHz	Pass	PK	4.83908G	47.31	74.00	-26.69	3	Vertical	290	1.50	-
2422MHz	Pass	PK	7.26948G	55.09	74.00	-18.91	3	Vertical	131	1.50	-
2422MHz	Pass	AV	7.26342G	41.42	54.00	-12.58	3	Horizontal	111	1.34	-
2422MHz	Pass	AV	4.85864G	34.31	54.00	-19.69	3	Horizontal	173	1.11	-
2422MHz	Pass	PK	7.2624G	54.21	74.00	-19.79	3	Horizontal	111	1.34	-
2422MHz	Pass	PK	4.83866G	46.77	74.00	-27.23	3	Horizontal	173	1.11	-
2437MHz	Pass	AV	2.3894G	43.10	54.00	-10.90	3	Vertical	172	1.50	-
2437MHz	Pass	AV	2.4198G	92.26	Inf	-Inf	3	Vertical	172	1.50	-
2437MHz	Pass	AV	2.4835G	43.43	54.00	-10.57	3	Vertical	172	1.50	-

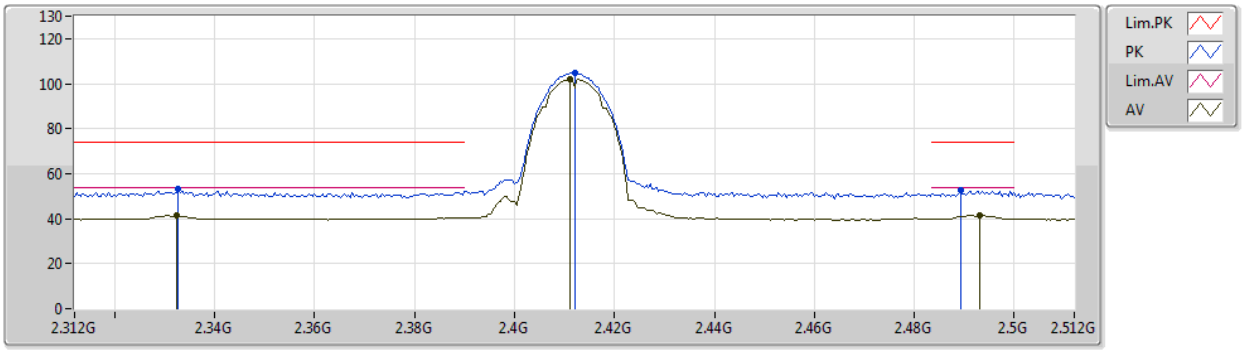
Level (dBuV/m) = Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	2.3894G	60.38	74.00	-13.62	3	Vertical	172	1.50	-
2437MHz	Pass	PK	2.4222G	100.95	Inf	-Inf	3	Vertical	172	1.50	-
2437MHz	Pass	PK	2.4854G	58.25	74.00	-15.75	3	Vertical	172	1.50	-
2437MHz	Pass	AV	2.3898G	44.15	54.00	-9.85	3	Horizontal	115	2.21	-
2437MHz	Pass	AV	2.4198G	96.04	Inf	-Inf	3	Horizontal	115	2.21	-
2437MHz	Pass	AV	2.4835G	44.53	54.00	-9.47	3	Horizontal	115	2.21	-
2437MHz	Pass	PK	2.389G	62.06	74.00	-11.94	3	Horizontal	115	2.21	-
2437MHz	Pass	PK	2.4218G	104.76	Inf	-Inf	3	Horizontal	115	2.21	-
2437MHz	Pass	PK	2.485G	59.00	74.00	-15.00	3	Horizontal	115	2.21	-
2437MHz	Pass	AV	4.87704G	34.42	54.00	-19.58	3	Vertical	195	1.50	-
2437MHz	Pass	AV	7.32028G	41.89	54.00	-12.11	3	Vertical	131	1.46	-
2437MHz	Pass	PK	4.87392G	46.93	74.00	-27.07	3	Vertical	195	1.50	-
2437MHz	Pass	PK	7.31308G	54.08	74.00	-19.92	3	Vertical	131	1.46	-
2437MHz	Pass	AV	4.88608G	34.42	54.00	-19.58	3	Horizontal	49	2.08	-
2437MHz	Pass	AV	7.29556G	41.33	54.00	-12.67	3	Horizontal	110	1.40	-
2437MHz	Pass	PK	4.88352G	46.75	74.00	-27.25	3	Horizontal	49	2.08	-
2437MHz	Pass	PK	7.30108G	53.88	74.00	-20.12	3	Horizontal	110	1.40	-
2452MHz	Pass	AV	2.3896G	41.30	54.00	-12.70	3	Vertical	173	1.49	-
2452MHz	Pass	AV	2.4356G	89.40	Inf	-Inf	3	Vertical	173	1.49	-
2452MHz	Pass	AV	2.484G	47.95	54.00	-6.05	3	Vertical	173	1.49	-
2452MHz	Pass	PK	2.39G	55.55	74.00	-18.45	3	Vertical	173	1.49	-
2452MHz	Pass	PK	2.4368G	98.24	Inf	-Inf	3	Vertical	173	1.49	-
2452MHz	Pass	PK	2.4835G	63.13	74.00	-10.87	3	Vertical	173	1.49	-
2452MHz	Pass	AV	2.3896G	41.76	54.00	-12.24	3	Horizontal	117	1.79	-
2452MHz	Pass	AV	2.4384G	92.48	Inf	-Inf	3	Horizontal	117	1.79	-
2452MHz	Pass	AV	2.4844G	50.36	54.00	-3.64	3	Horizontal	117	1.79	-
2452MHz	Pass	PK	2.39G	56.98	74.00	-17.02	3	Horizontal	117	1.79	-
2452MHz	Pass	PK	2.4372G	101.30	Inf	-Inf	3	Horizontal	117	1.79	-
2452MHz	Pass	PK	2.4835G	65.86	74.00	-8.14	3	Horizontal	117	1.79	-
2452MHz	Pass	AV	4.92368G	33.97	54.00	-20.03	3	Vertical	280	1.17	-
2452MHz	Pass	AV	7.35136G	41.61	54.00	-12.39	3	Vertical	132	1.47	-
2452MHz	Pass	PK	4.90304G	46.77	74.00	-27.23	3	Vertical	280	1.17	-
2452MHz	Pass	PK	7.34776G	54.07	74.00	-19.93	3	Vertical	132	1.47	-
2452MHz	Pass	AV	4.89496G	33.92	54.00	-20.08	3	Horizontal	74	1.50	-
2452MHz	Pass	AV	7.35968G	40.54	54.00	-13.46	3	Horizontal	113	1.50	-
2452MHz	Pass	PK	4.90976G	47.31	74.00	-26.69	3	Horizontal	74	1.50	-
2452MHz	Pass	PK	7.35928G	53.90	74.00	-20.10	3	Horizontal	113	1.50	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

03/06/2020

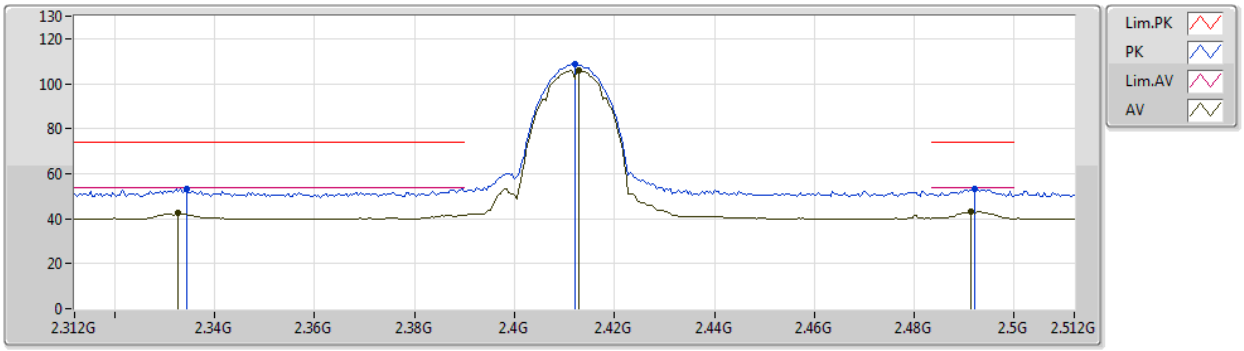


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3324G	41.31	54.00	-12.69	2.71	3	Vertical	170	1.98	-	38.60	27.77	5.20	30.26
AV	2.4112G	102.09	Inf	-Inf	2.67	3	Vertical	170	1.98	-	99.42	27.58	5.31	30.22
AV	2.4932G	41.62	54.00	-12.38	2.63	3	Vertical	170	1.98	-	38.99	27.41	5.39	30.17
PK	2.3328G	53.16	74.00	-20.84	2.71	3	Vertical	170	1.98	-	50.45	27.77	5.20	30.26
PK	2.412G	105.04	Inf	-Inf	2.67	3	Vertical	170	1.98	-	102.37	27.58	5.31	30.22
PK	2.4892G	52.66	74.00	-21.34	2.63	3	Vertical	170	1.98	-	50.03	27.42	5.39	30.18

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

03/06/2020

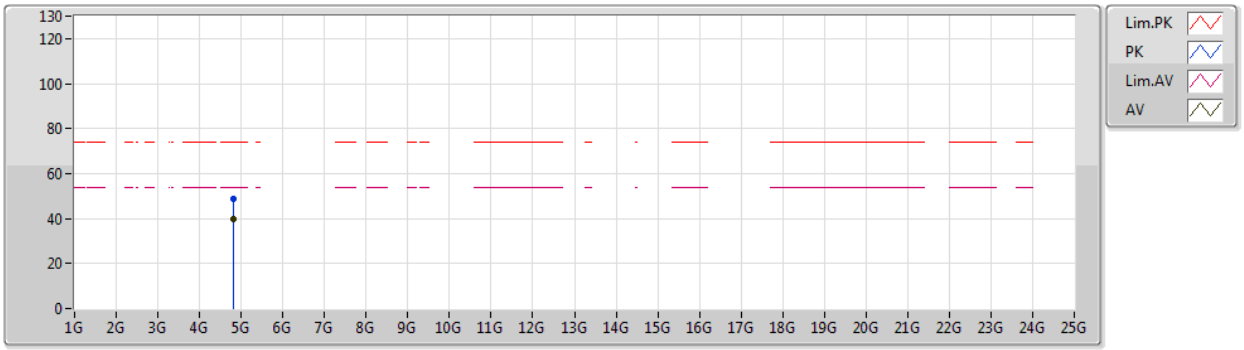


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3328G	42.34	54.00	-11.66	2.71	3	Horizontal	115	1.99	-	39.63	27.77	5.20	30.26
AV	2.4128G	105.89	Inf	-Inf	2.66	3	Horizontal	115	1.99	-	103.23	27.57	5.31	30.22
AV	2.4912G	43.16	54.00	-10.84	2.64	3	Horizontal	115	1.99	-	40.52	27.42	5.39	30.17
PK	2.3344G	53.48	74.00	-20.52	2.70	3	Horizontal	115	1.99	-	50.78	27.76	5.20	30.26
PK	2.412G	108.88	Inf	-Inf	2.67	3	Horizontal	115	1.99	-	106.21	27.58	5.31	30.22
PK	2.492G	53.34	74.00	-20.66	2.64	3	Horizontal	115	1.99	-	50.70	27.42	5.39	30.17

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

03/06/2020

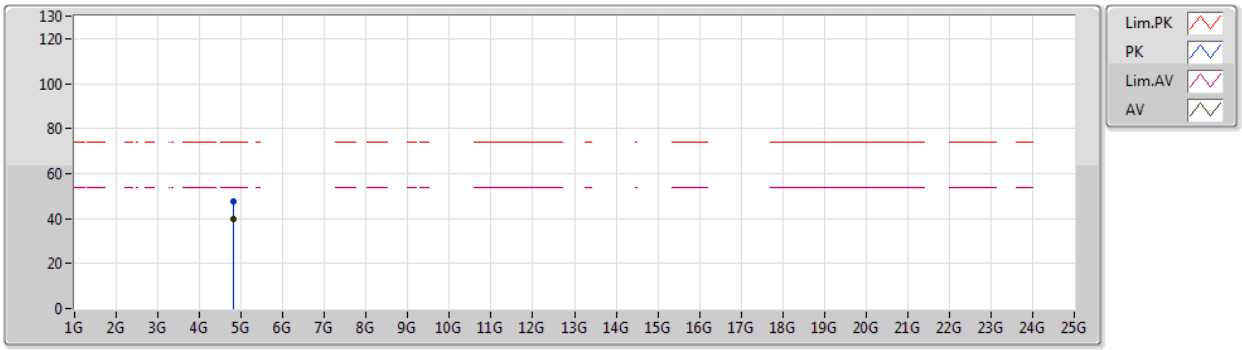


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82398G	39.65	54.00	-14.35	8.81	3	Vertical	126	1.49	-	30.84	31.10	7.11	29.40
PK	4.82383G	48.74	74.00	-25.26	8.81	3	Vertical	126	1.49	-	39.93	31.10	7.11	29.40

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

03/06/2020

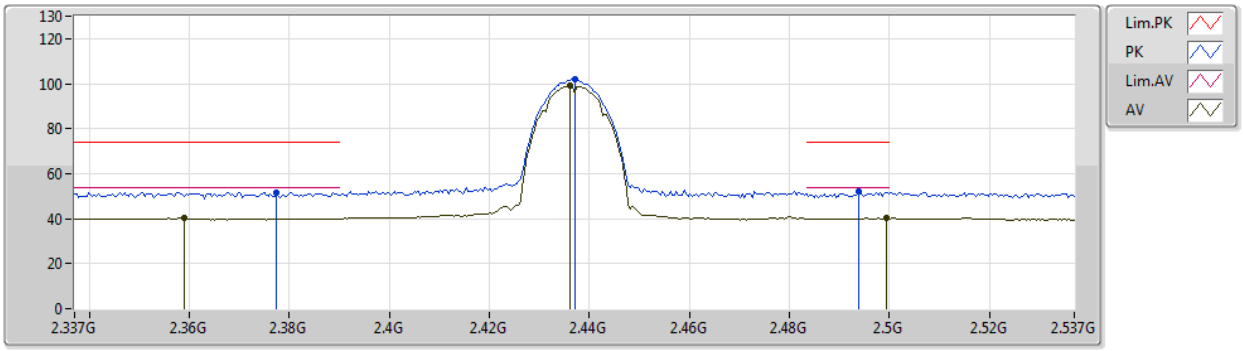


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.824G	39.82	54.00	-14.18	8.81	3	Horizontal	129	1.53	-	31.01	31.10	7.11	29.40
PK	4.82394G	47.90	74.00	-26.10	8.81	3	Horizontal	129	1.53	-	39.09	31.10	7.11	29.40

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

03/06/2020

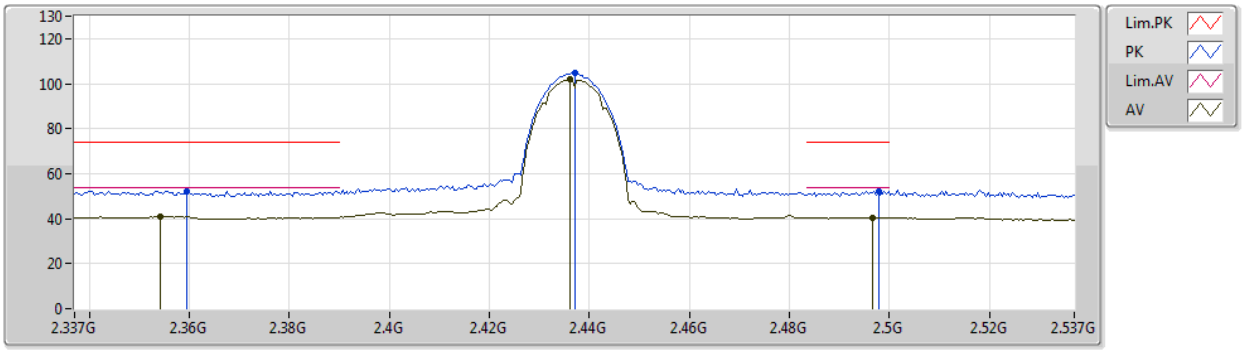


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.359G	40.16	54.00	-13.84	2.67	3	Vertical	173	1.48	-	37.49	27.68	5.24	30.25
AV	2.4362G	99.04	Inf	-Inf	2.67	3	Vertical	173	1.48	-	96.37	27.53	5.34	30.20
AV	2.4994G	40.21	54.00	-13.79	2.63	3	Vertical	173	1.48	-	37.58	27.40	5.40	30.17
PK	2.3774G	51.83	74.00	-22.17	2.68	3	Vertical	173	1.48	-	49.15	27.65	5.27	30.24
PK	2.437G	101.98	Inf	-Inf	2.67	3	Vertical	173	1.48	-	99.31	27.53	5.34	30.20
PK	2.4938G	51.88	74.00	-22.12	2.63	3	Vertical	173	1.48	-	49.25	27.41	5.39	30.17

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

03/06/2020

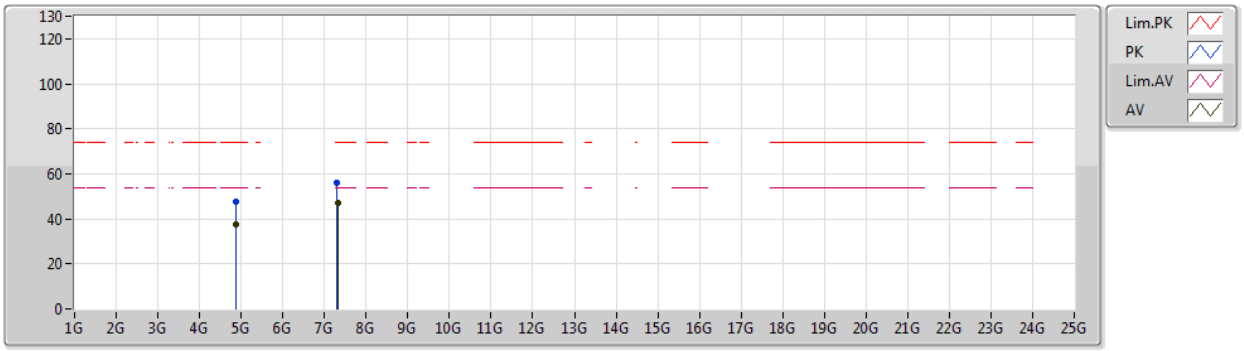


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3542G	41.12	54.00	-12.88	2.67	3	Horizontal	113	2.41	-	38.45	27.69	5.23	30.25
AV	2.4362G	101.88	Inf	-Inf	2.67	3	Horizontal	113	2.41	-	99.21	27.53	5.34	30.20
AV	2.4966G	40.49	54.00	-13.51	2.64	3	Horizontal	113	2.41	-	37.85	27.41	5.40	30.17
PK	2.3594G	52.34	74.00	-21.66	2.67	3	Horizontal	113	2.41	-	49.67	27.68	5.24	30.25
PK	2.437G	104.79	Inf	-Inf	2.67	3	Horizontal	113	2.41	-	102.12	27.53	5.34	30.20
PK	2.4978G	52.21	74.00	-21.79	2.63	3	Horizontal	113	2.41	-	49.58	27.40	5.40	30.17

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

03/06/2020

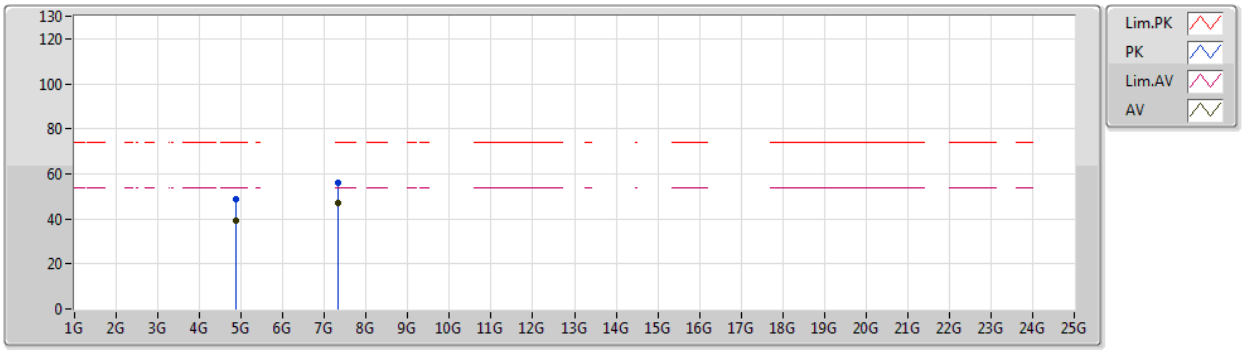


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.874G	37.80	54.00	-16.20	8.86	3	Vertical	158	1.78	-	28.94	31.10	7.14	29.38
AV	7.31178G	47.26	54.00	-6.74	14.26	3	Vertical	133	1.44	-	33.00	36.32	8.30	30.36
PK	4.87381G	47.77	74.00	-26.23	8.86	3	Vertical	158	1.78	-	38.91	31.10	7.14	29.38
PK	7.30896G	56.18	74.00	-17.82	14.26	3	Vertical	133	1.44	-	41.92	36.32	8.30	30.36

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

03/06/2020

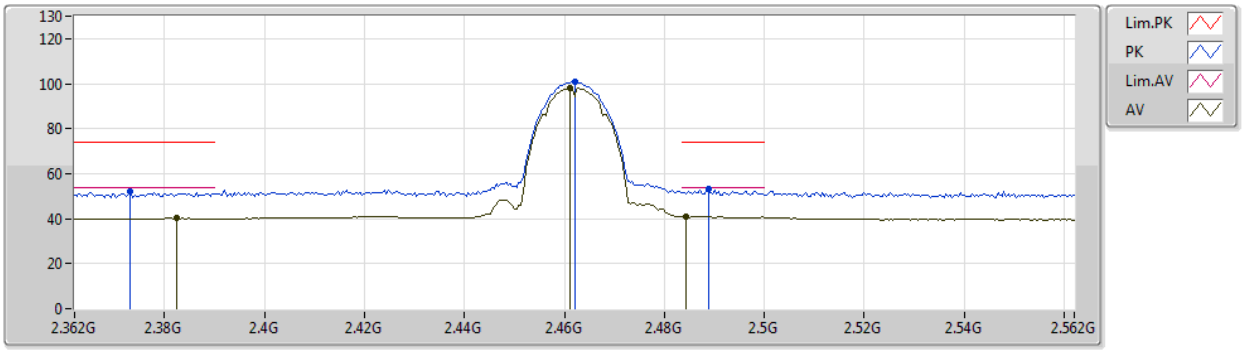


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87398G	39.26	54.00	-14.74	8.86	3	Horizontal	100	1.54	-	30.40	31.10	7.14	29.38
AV	7.31178G	47.32	54.00	-6.68	14.26	3	Horizontal	109	2.71	-	33.06	36.32	8.30	30.36
PK	4.87393G	48.83	74.00	-25.17	8.86	3	Horizontal	100	1.54	-	39.97	31.10	7.14	29.38
PK	7.31046G	56.01	74.00	-17.99	14.26	3	Horizontal	109	2.71	-	41.75	36.32	8.30	30.36

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

03/06/2020

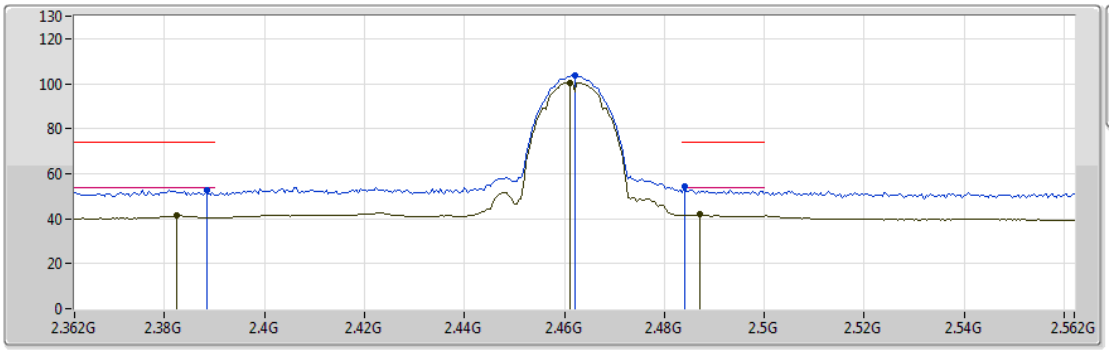


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3824G	40.37	54.00	-13.63	2.68	3	Vertical	175	1.62	-	37.69	27.64	5.27	30.23
AV	2.4612G	98.03	Inf	-Inf	2.65	3	Vertical	175	1.62	-	95.38	27.48	5.36	30.19
AV	2.4844G	41.06	54.00	-12.94	2.63	3	Vertical	175	1.62	-	38.43	27.43	5.38	30.18
PK	2.3732G	52.19	74.00	-21.81	2.67	3	Vertical	175	1.62	-	49.52	27.65	5.26	30.24
PK	2.462G	101.05	Inf	-Inf	2.65	3	Vertical	175	1.62	-	98.40	27.48	5.36	30.19
PK	2.4888G	53.13	74.00	-20.87	2.63	3	Vertical	175	1.62	-	50.50	27.42	5.39	30.18

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

03/06/2020

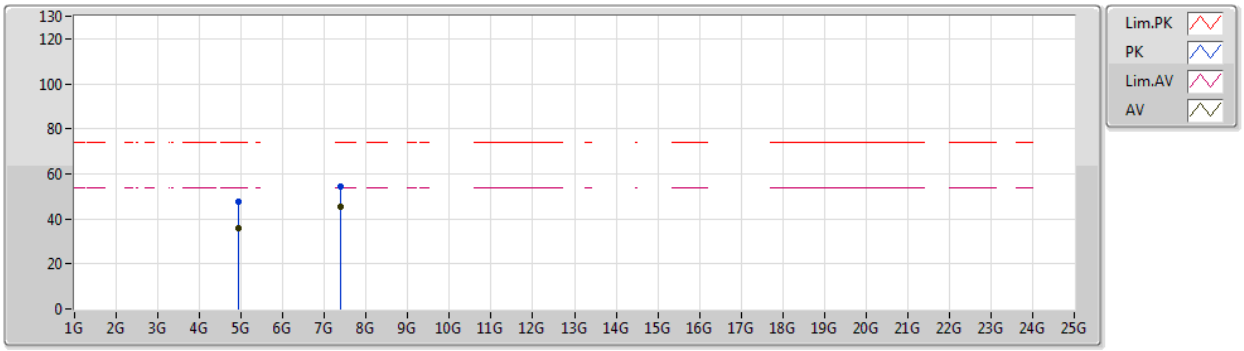


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3824G	41.31	54.00	-12.69	2.68	3	Horizontal	115	2.39	-	38.63	27.64	5.27	30.23
AV	2.4612G	100.58	Inf	-Inf	2.65	3	Horizontal	115	2.39	-	97.93	27.48	5.36	30.19
AV	2.4872G	41.75	54.00	-12.25	2.64	3	Horizontal	115	2.39	-	39.11	27.43	5.39	30.18
PK	2.3884G	52.94	74.00	-21.06	2.67	3	Horizontal	115	2.39	-	50.27	27.62	5.28	30.23
PK	2.462G	103.68	Inf	-Inf	2.65	3	Horizontal	115	2.39	-	101.03	27.48	5.36	30.19
PK	2.484G	54.28	74.00	-19.72	2.63	3	Horizontal	115	2.39	-	51.65	27.43	5.38	30.18

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

03/06/2020

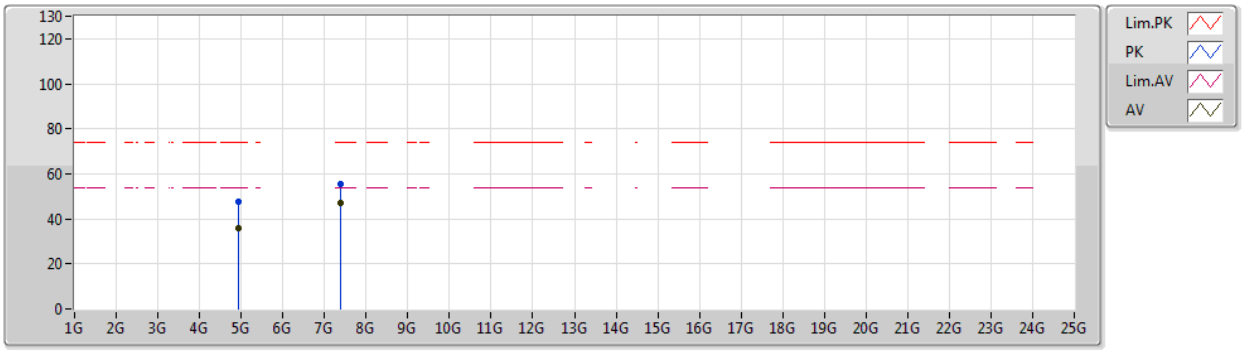


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92388G	35.86	54.00	-18.14	8.95	3	Vertical	158	1.45	-	26.91	31.15	7.16	29.36
AV	7.38678G	45.46	54.00	-8.54	13.99	3	Vertical	214	1.50	-	31.47	36.11	8.30	30.42
PK	4.92434G	47.71	74.00	-26.29	8.96	3	Vertical	158	1.45	-	38.75	31.15	7.16	29.35
PK	7.38792G	54.41	74.00	-19.59	13.98	3	Vertical	214	1.50	-	40.43	36.10	8.30	30.42

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

03/06/2020

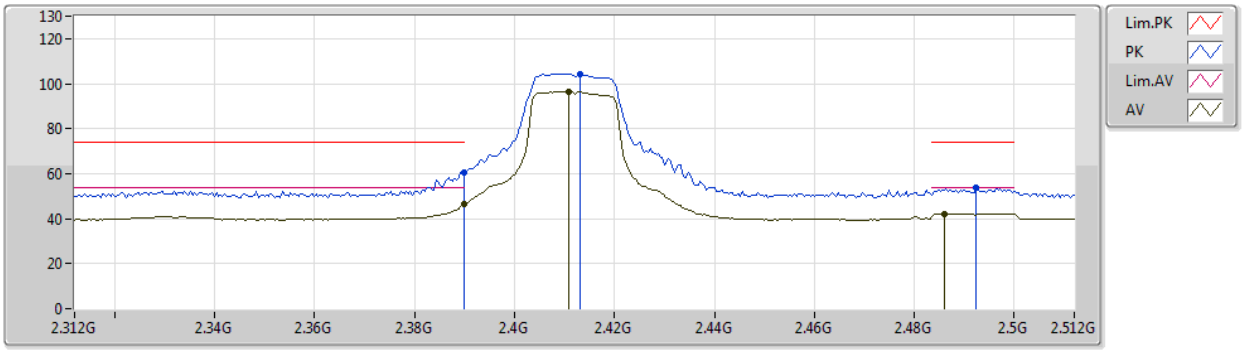


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92397G	35.78	54.00	-18.22	8.96	3	Horizontal	253	1.45	-	26.82	31.15	7.16	29.35
AV	7.38678G	47.25	54.00	-6.75	13.99	3	Horizontal	112	1.55	-	33.26	36.11	8.30	30.42
PK	4.92616G	47.41	74.00	-26.59	8.96	3	Horizontal	253	1.45	-	38.45	31.15	7.16	29.35
PK	7.38462G	55.61	74.00	-18.39	14.00	3	Horizontal	112	1.55	-	41.61	36.12	8.30	30.42

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

03/06/2020

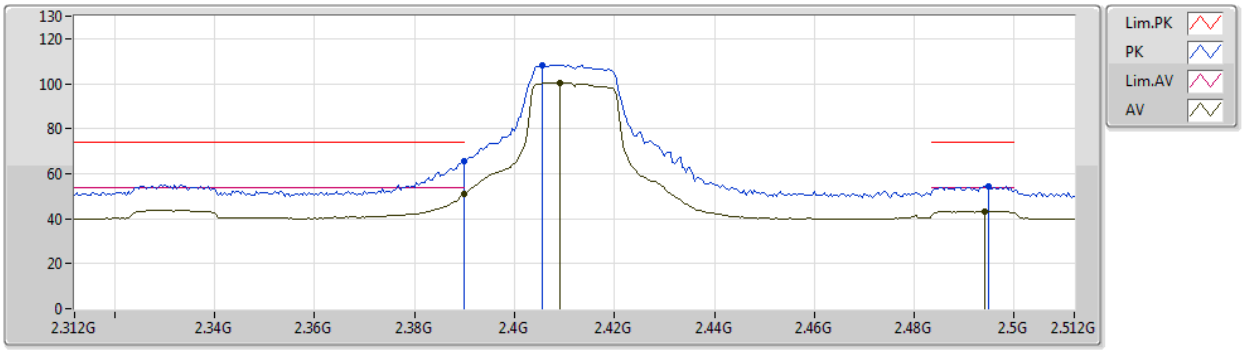


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	46.36	54.00	-7.64	2.68	3	Vertical	186	1.99	-	43.68	27.62	5.29	30.23
AV	2.4108G	96.52	Inf	-Inf	2.67	3	Vertical	186	1.99	-	93.85	27.58	5.31	30.22
AV	2.486G	42.29	54.00	-11.71	2.64	3	Vertical	186	1.99	-	39.65	27.43	5.39	30.18
PK	2.39G	60.41	74.00	-13.59	2.68	3	Vertical	186	1.99	-	57.73	27.62	5.29	30.23
PK	2.4132G	104.36	Inf	-Inf	2.66	3	Vertical	186	1.99	-	101.70	27.57	5.31	30.22
PK	2.4924G	53.83	74.00	-20.17	2.64	3	Vertical	186	1.99	-	51.19	27.42	5.39	30.17

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

03/06/2020

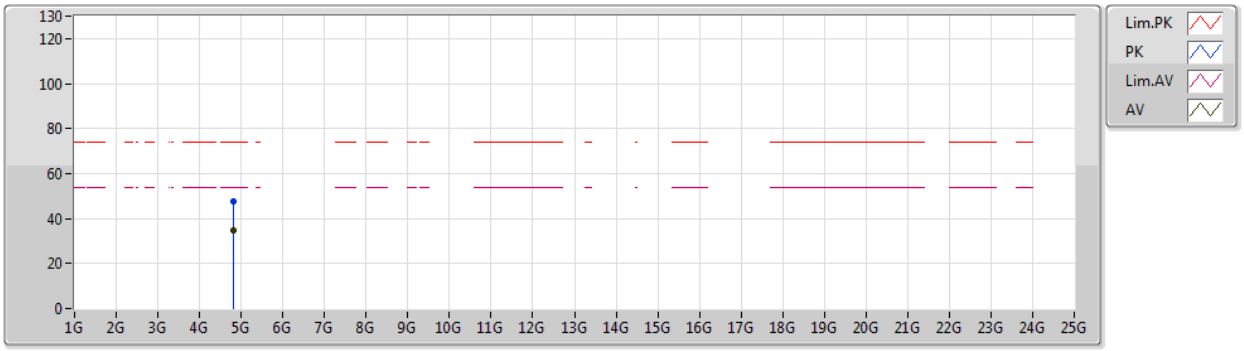


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	50.87	54.00	-3.13	2.68	3	Horizontal	110	2.44	-	48.19	27.62	5.29	30.23
AV	2.4092G	100.21	Inf	-Inf	2.67	3	Horizontal	110	2.44	-	97.54	27.58	5.31	30.22
AV	2.494G	43.37	54.00	-10.63	2.63	3	Horizontal	110	2.44	-	40.74	27.41	5.39	30.17
PK	2.39G	65.31	74.00	-8.69	2.68	3	Horizontal	110	2.44	-	62.63	27.62	5.29	30.23
PK	2.4056G	108.28	Inf	-Inf	2.68	3	Horizontal	110	2.44	-	105.60	27.59	5.31	30.22
PK	2.4948G	54.30	74.00	-19.70	2.63	3	Horizontal	110	2.44	-	51.67	27.41	5.39	30.17

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

03/06/2020

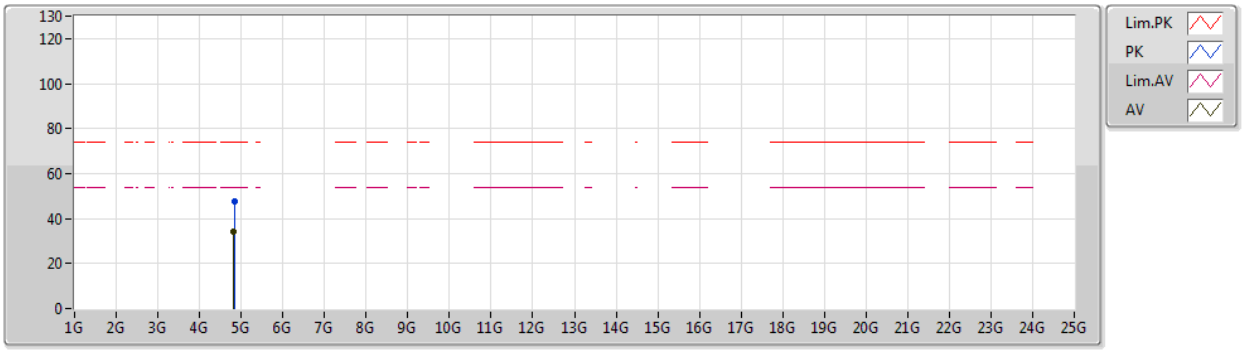


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82208G	34.49	54.00	-19.51	8.81	3	Vertical	128	1.48	-	25.68	31.10	7.11	29.40
PK	4.8182G	47.57	74.00	-26.43	8.81	3	Vertical	128	1.48	-	38.76	31.10	7.11	29.40

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

03/06/2020

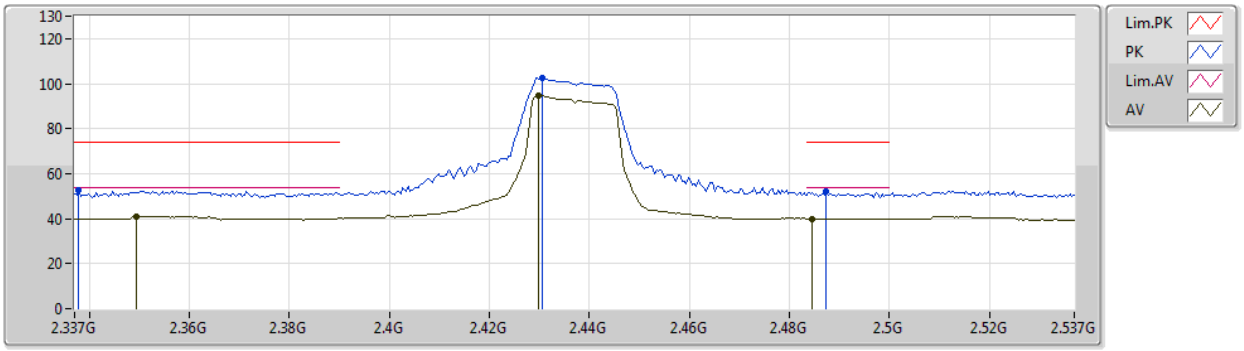


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8226G	34.37	54.00	-19.63	8.81	3	Horizontal	119	1.47	-	25.56	31.10	7.11	29.40
PK	4.829G	47.63	74.00	-26.37	8.81	3	Horizontal	119	1.47	-	38.82	31.10	7.11	29.40

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

03/06/2020

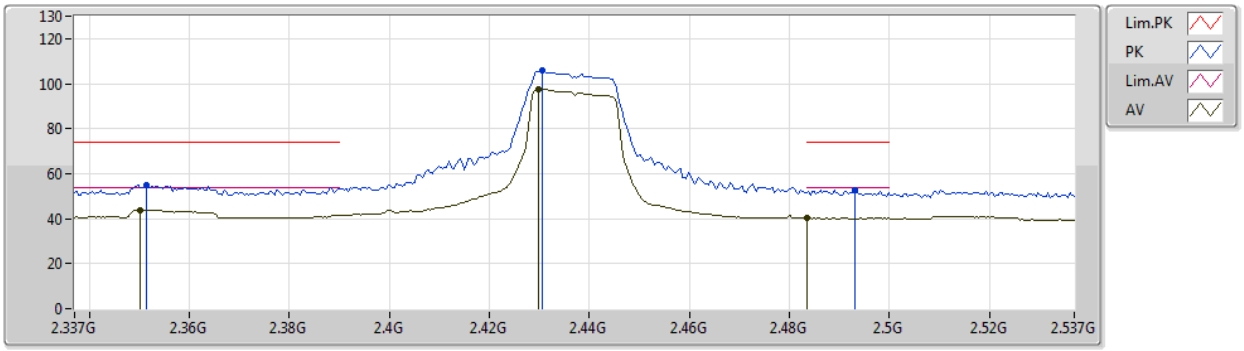


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3494G	41.04	54.00	-12.96	2.67	3	Vertical	174	2.01	-	38.37	27.70	5.22	30.25
AV	2.4298G	94.46	Inf	-Inf	2.66	3	Vertical	174	2.01	-	91.80	27.54	5.33	30.21
AV	2.4846G	39.98	54.00	-14.02	2.63	3	Vertical	174	2.01	-	37.35	27.43	5.38	30.18
PK	2.3378G	52.87	74.00	-21.13	2.70	3	Vertical	174	2.01	-	50.17	27.75	5.21	30.26
PK	2.4306G	102.57	Inf	-Inf	2.66	3	Vertical	174	2.01	-	99.91	27.54	5.33	30.21
PK	2.4874G	52.04	74.00	-21.96	2.64	3	Vertical	174	2.01	-	49.40	27.43	5.39	30.18

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

03/06/2020

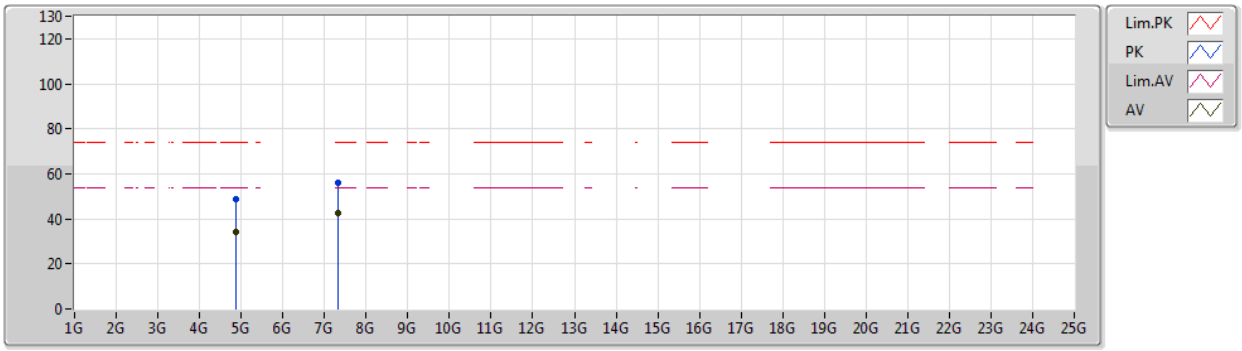


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3502G	43.96	54.00	-10.04	2.68	3	Horizontal	109	2.29	-	41.28	27.70	5.23	30.25
AV	2.4298G	97.49	Inf	-Inf	2.66	3	Horizontal	109	2.29	-	94.83	27.54	5.33	30.21
AV	2.4835G	40.31	54.00	-13.69	2.63	3	Horizontal	109	2.29	-	37.68	27.43	5.38	30.18
PK	2.3514G	54.71	74.00	-19.29	2.68	3	Horizontal	109	2.29	-	52.03	27.70	5.23	30.25
PK	2.4306G	105.66	Inf	-Inf	2.66	3	Horizontal	109	2.29	-	103.00	27.54	5.33	30.21
PK	2.493G	52.83	74.00	-21.17	2.63	3	Horizontal	109	2.29	-	50.20	27.41	5.39	30.17

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

03/06/2020

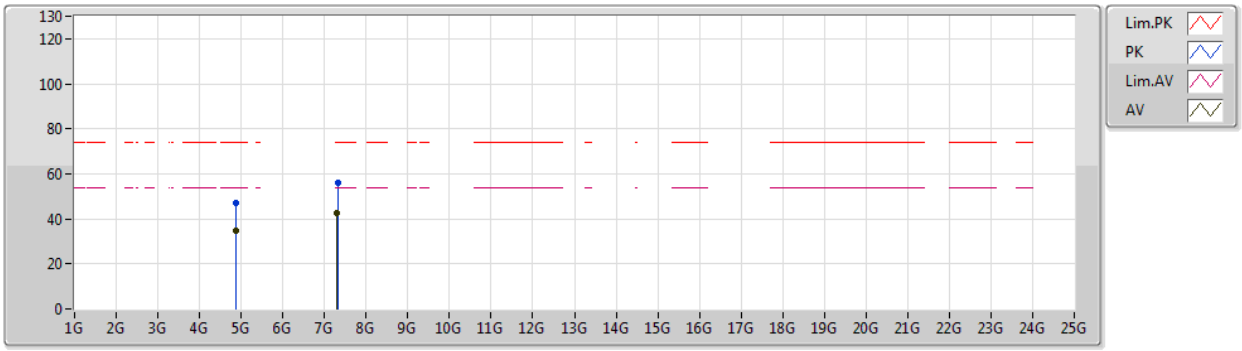


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.86032G	34.43	54.00	-19.57	8.85	3	Vertical	5	2.00	-	25.58	31.10	7.13	29.38
AV	7.31202G	42.71	54.00	-11.29	14.26	3	Vertical	132	1.41	-	28.45	36.32	8.30	30.36
PK	4.88624G	48.77	74.00	-25.23	8.87	3	Vertical	5	2.00	-	39.90	31.10	7.14	29.37
PK	7.3128G	55.90	74.00	-18.10	14.27	3	Vertical	132	1.41	-	41.63	36.33	8.30	30.36

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

03/06/2020

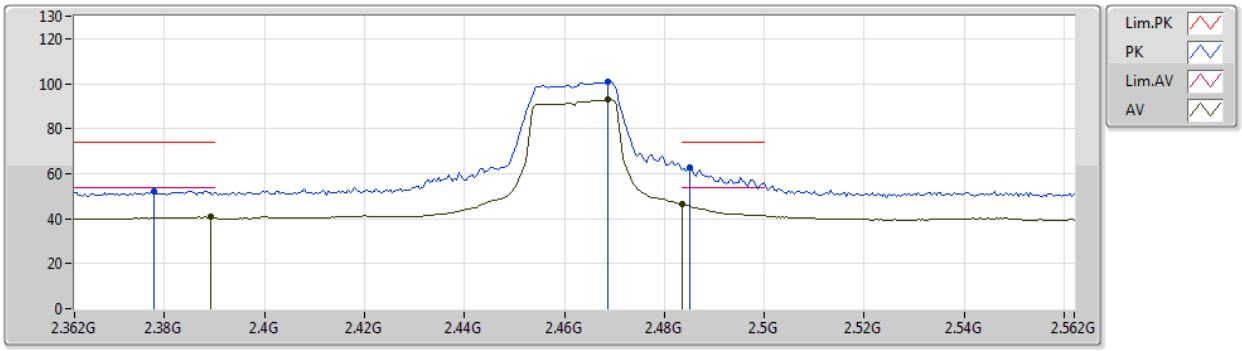


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87596G	34.62	54.00	-19.38	8.86	3	Horizontal	100	1.50	-	25.76	31.10	7.14	29.38
AV	7.30962G	42.55	54.00	-11.45	14.26	3	Horizontal	110	2.71	-	28.29	36.32	8.30	30.36
PK	4.87612G	47.28	74.00	-26.72	8.86	3	Horizontal	100	1.50	-	38.42	31.10	7.14	29.38
PK	7.31238G	56.20	74.00	-17.80	14.26	3	Horizontal	110	2.71	-	41.94	36.32	8.30	30.36

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

04/06/2020

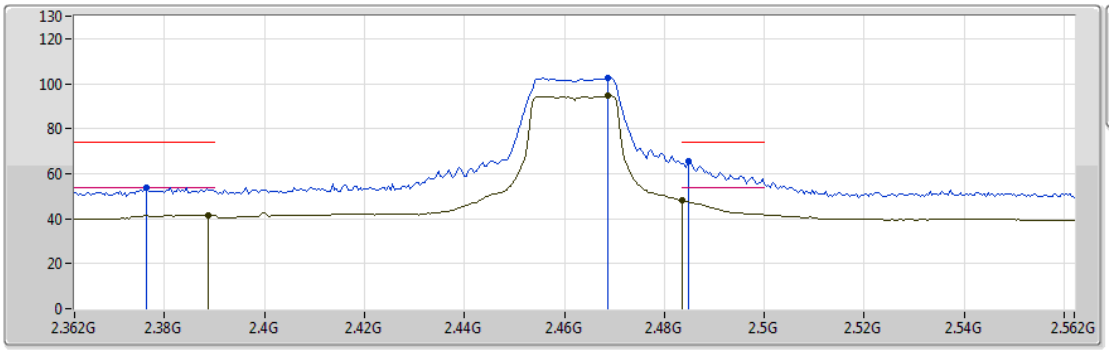


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3892G	40.70	54.00	-13.30	2.67	3	Vertical	177	1.84	-	38.03	27.62	5.28	30.23
AV	2.4688G	92.88	Inf	-Inf	2.64	3	Vertical	177	1.84	-	90.24	27.46	5.37	30.19
AV	2.4835G	46.23	54.00	-7.77	2.63	3	Vertical	177	1.84	-	43.60	27.43	5.38	30.18
PK	2.378G	52.00	74.00	-22.00	2.67	3	Vertical	177	1.84	-	49.33	27.64	5.27	30.24
PK	2.4688G	100.97	Inf	-Inf	2.64	3	Vertical	177	1.84	-	98.33	27.46	5.37	30.19
PK	2.4852G	62.99	74.00	-11.01	2.64	3	Vertical	177	1.84	-	60.35	27.43	5.39	30.18

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

04/06/2020

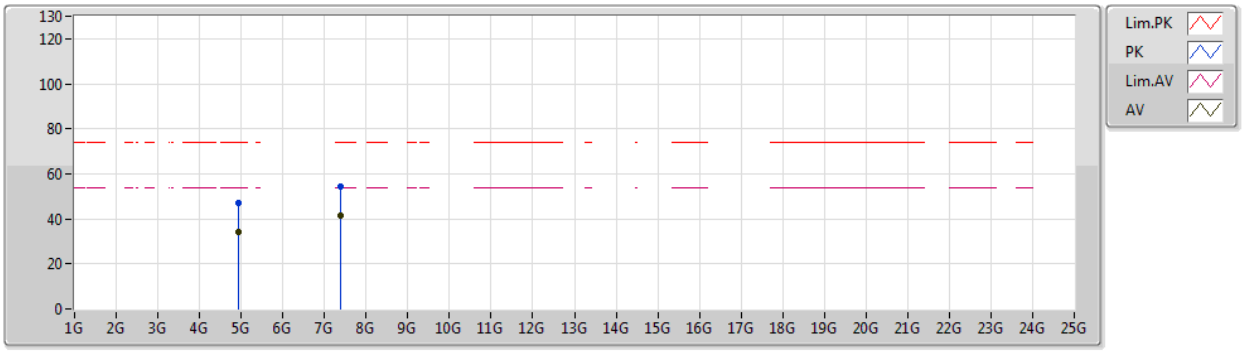


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3888G	41.71	54.00	-12.29	2.67	3	Horizontal	115	2.29	-	39.04	27.62	5.28	30.23
AV	2.4688G	94.49	Inf	-Inf	2.64	3	Horizontal	115	2.29	-	91.85	27.46	5.37	30.19
AV	2.4835G	47.98	54.00	-6.02	2.63	3	Horizontal	115	2.29	-	45.35	27.43	5.38	30.18
PK	2.3764G	53.96	74.00	-20.04	2.67	3	Horizontal	115	2.29	-	51.29	27.65	5.26	30.24
PK	2.4688G	102.59	Inf	-Inf	2.64	3	Horizontal	115	2.29	-	99.95	27.46	5.37	30.19
PK	2.4848G	65.53	74.00	-8.47	2.63	3	Horizontal	115	2.29	-	62.90	27.43	5.38	30.18

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

04/06/2020

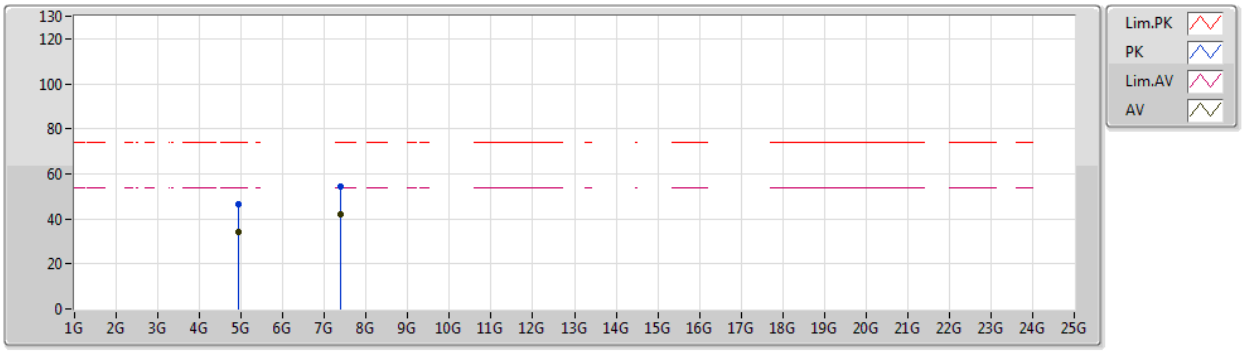


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.93136G	34.46	54.00	-19.54	8.98	3	Vertical	241	1.50	-	25.48	31.16	7.17	29.35
AV	7.39038G	41.48	54.00	-12.52	13.95	3	Vertical	214	1.54	-	27.53	36.08	8.30	30.43
PK	4.9202G	46.88	74.00	-27.12	8.94	3	Vertical	241	1.50	-	37.94	31.14	7.16	29.36
PK	7.38618G	54.40	74.00	-19.60	13.99	3	Vertical	214	1.54	-	40.41	36.11	8.30	30.42

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

04/06/2020

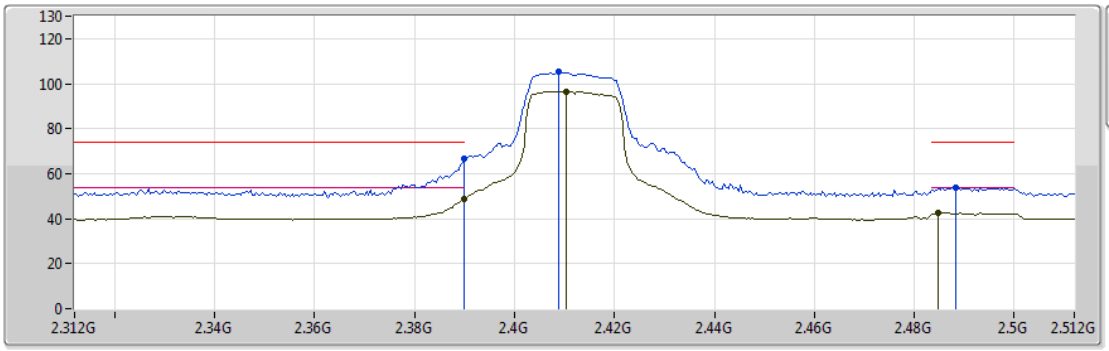


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92524G	34.32	54.00	-19.68	8.96	3	Horizontal	84	2.49	-	25.36	31.15	7.16	29.35
AV	7.3881G	42.13	54.00	-11.87	13.98	3	Horizontal	112	1.58	-	28.15	36.10	8.30	30.42
PK	4.92316G	46.62	74.00	-27.38	8.95	3	Horizontal	84	2.49	-	37.67	31.15	7.16	29.36
PK	7.39422G	54.62	74.00	-19.38	13.92	3	Horizontal	112	1.58	-	40.70	36.05	8.30	30.43

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

04/06/2020

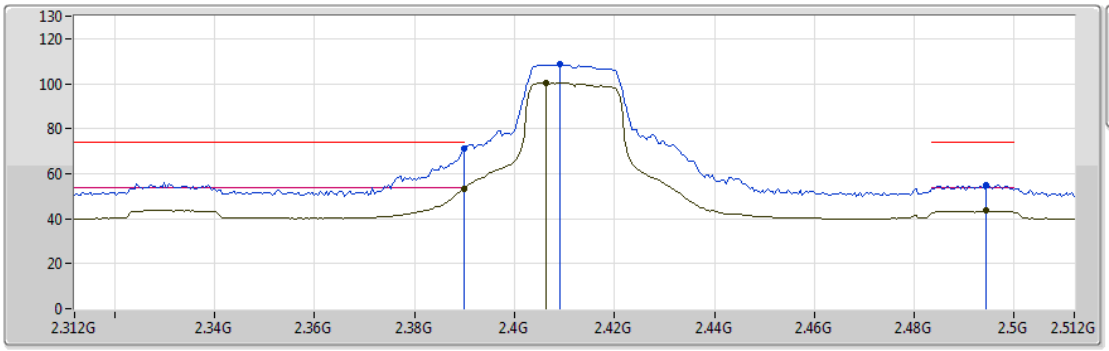


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	48.87	54.00	-5.13	2.68	3	Vertical	186	2.00	-	46.19	27.62	5.29	30.23
AV	2.4104G	96.64	Inf	-Inf	2.67	3	Vertical	186	2.00	-	93.97	27.58	5.31	30.22
AV	2.4848G	42.48	54.00	-11.52	2.63	3	Vertical	186	2.00	-	39.85	27.43	5.38	30.18
PK	2.39G	66.75	74.00	-7.25	2.68	3	Vertical	186	2.00	-	64.07	27.62	5.29	30.23
PK	2.4088G	105.42	Inf	-Inf	2.67	3	Vertical	186	2.00	-	102.75	27.58	5.31	30.22
PK	2.4884G	53.77	74.00	-20.23	2.63	3	Vertical	186	2.00	-	51.14	27.42	5.39	30.18

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

04/06/2020

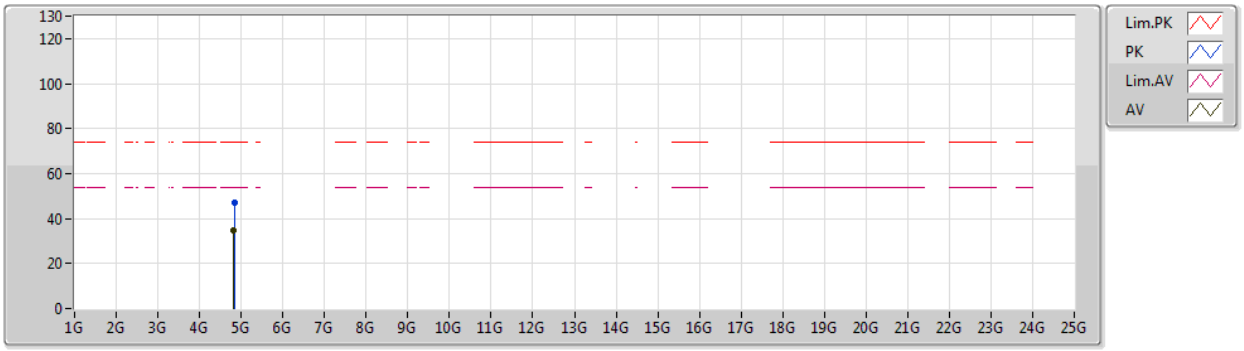


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.49	54.00	-0.51	2.68	3	Horizontal	111	2.44	-	50.81	27.62	5.29	30.23
AV	2.4064G	100.24	Inf	-Inf	2.68	3	Horizontal	111	2.44	-	97.56	27.59	5.31	30.22
AV	2.4944G	43.46	54.00	-10.54	2.63	3	Horizontal	111	2.44	-	40.83	27.41	5.39	30.17
PK	2.39G	71.36	74.00	-2.64	2.68	3	Horizontal	111	2.44	-	68.68	27.62	5.29	30.23
PK	2.4092G	108.95	Inf	-Inf	2.67	3	Horizontal	111	2.44	-	106.28	27.58	5.31	30.22
PK	2.4944G	54.82	74.00	-19.18	2.63	3	Horizontal	111	2.44	-	52.19	27.41	5.39	30.17

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

04/06/2020

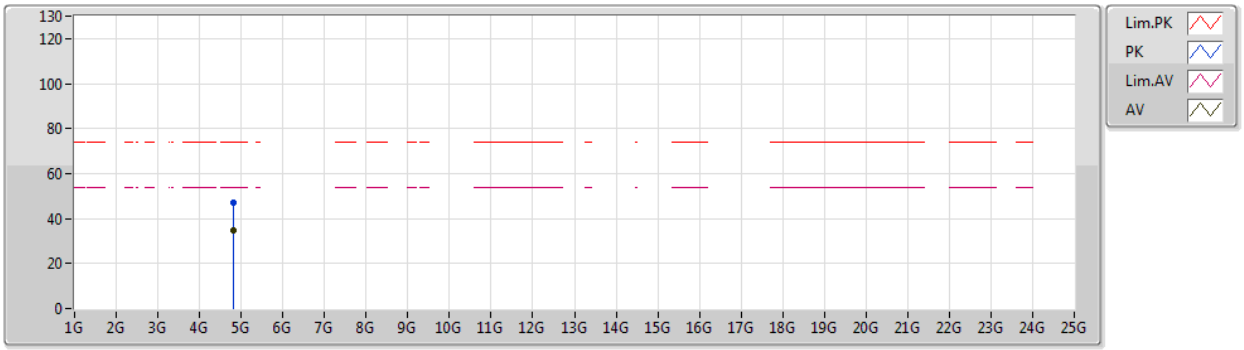


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8225G	34.59	54.00	-19.41	8.81	3	Vertical	125	1.46	-	25.78	31.10	7.11	29.40
PK	4.839G	46.90	74.00	-27.10	8.83	3	Vertical	125	1.46	-	38.07	31.10	7.12	29.39

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

04/06/2020

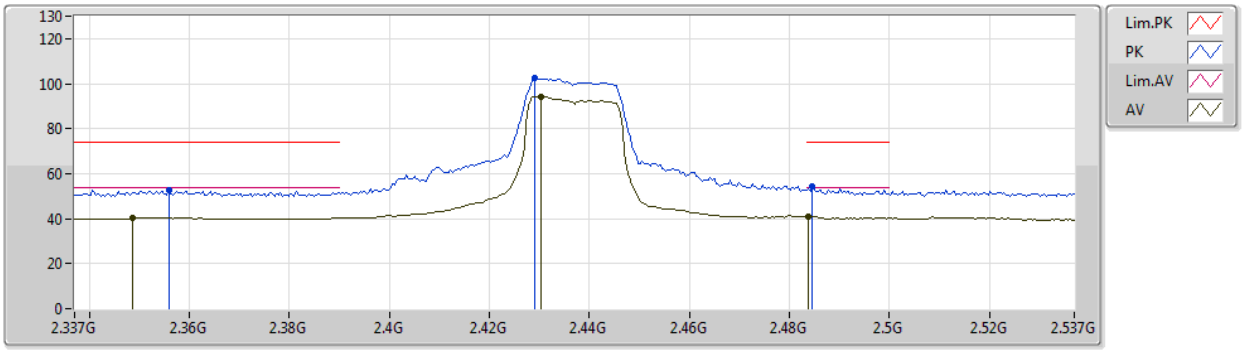


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82036G	34.62	54.00	-19.38	8.81	3	Horizontal	129	1.50	-	25.81	31.10	7.11	29.40
PK	4.82184G	46.91	74.00	-27.09	8.81	3	Horizontal	129	1.50	-	38.10	31.10	7.11	29.40

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

04/06/2020

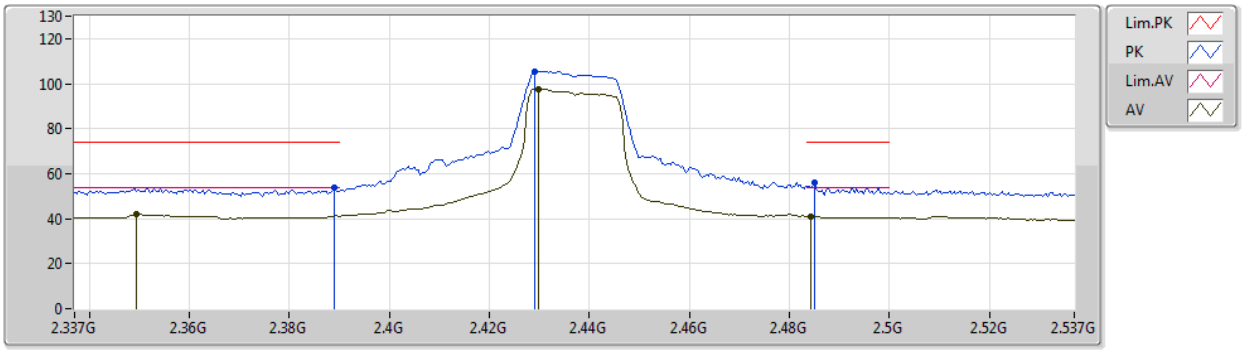


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3486G	40.60	54.00	-13.40	2.68	3	Vertical	176	1.67	-	37.92	27.71	5.22	30.25
AV	2.4302G	94.34	Inf	-Inf	2.66	3	Vertical	176	1.67	-	91.68	27.54	5.33	30.21
AV	2.4838G	40.75	54.00	-13.25	2.63	3	Vertical	176	1.67	-	38.12	27.43	5.38	30.18
PK	2.3558G	52.70	74.00	-21.30	2.67	3	Vertical	176	1.67	-	50.03	27.69	5.23	30.25
PK	2.429G	102.28	Inf	-Inf	2.66	3	Vertical	176	1.67	-	99.62	27.54	5.33	30.21
PK	2.4846G	54.45	74.00	-19.55	2.63	3	Vertical	176	1.67	-	51.82	27.43	5.38	30.18

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

04/06/2020

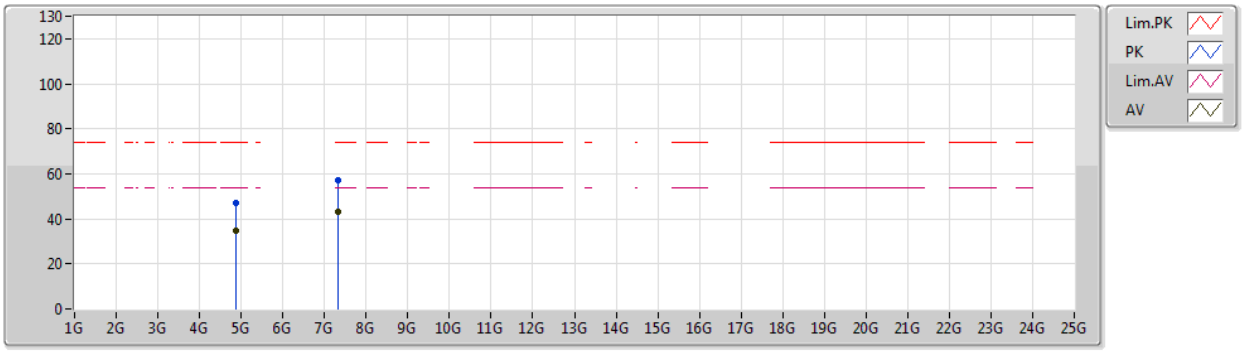


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3494G	41.84	54.00	-12.16	2.67	3	Horizontal	112	2.41	-	39.17	27.70	5.22	30.25
AV	2.4298G	97.67	Inf	-Inf	2.66	3	Horizontal	112	2.41	-	95.01	27.54	5.33	30.21
AV	2.4842G	41.12	54.00	-12.88	2.63	3	Horizontal	112	2.41	-	38.49	27.43	5.38	30.18
PK	2.389G	53.66	74.00	-20.34	2.67	3	Horizontal	112	2.41	-	50.99	27.62	5.28	30.23
PK	2.429G	105.58	Inf	-Inf	2.66	3	Horizontal	112	2.41	-	102.92	27.54	5.33	30.21
PK	2.485G	56.25	74.00	-17.75	2.63	3	Horizontal	112	2.41	-	53.62	27.43	5.38	30.18

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

04/06/2020

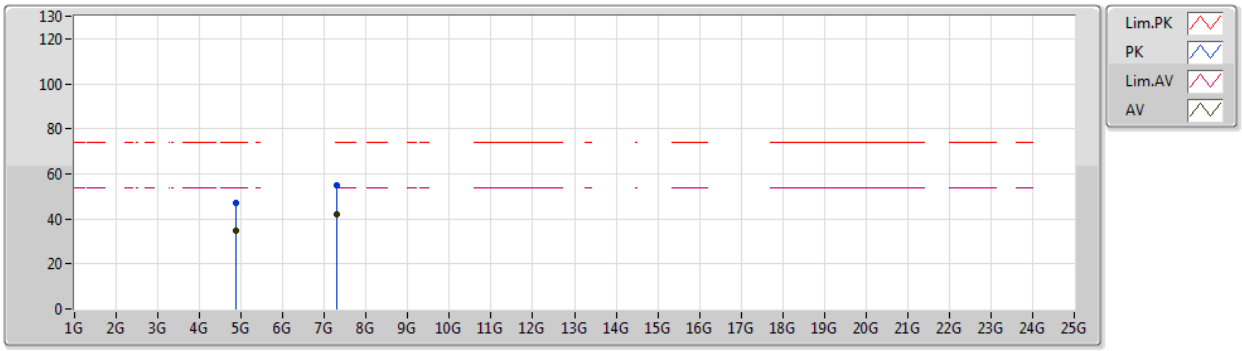


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87328G	34.48	54.00	-19.52	8.86	3	Vertical	204	1.99	-	25.62	31.10	7.14	29.38
AV	7.31556G	43.03	54.00	-10.97	14.27	3	Vertical	131	1.39	-	28.76	36.33	8.30	30.36
PK	4.87514G	46.85	74.00	-27.15	8.86	3	Vertical	204	1.99	-	37.99	31.10	7.14	29.38
PK	7.32048G	56.92	74.00	-17.08	14.27	3	Vertical	131	1.39	-	42.65	36.34	8.30	30.37

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

04/06/2020

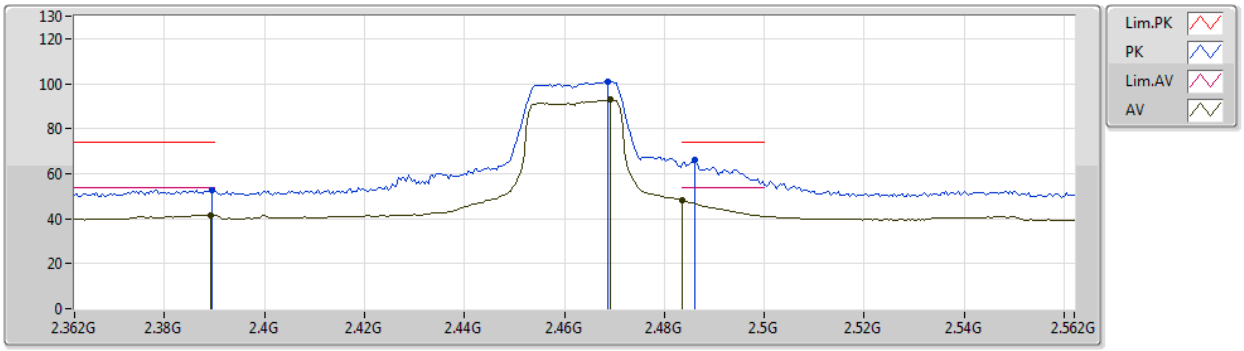


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87724G	34.53	54.00	-19.47	8.86	3	Horizontal	101	1.50	-	25.67	31.10	7.14	29.38
AV	7.30698G	41.84	54.00	-12.16	14.26	3	Horizontal	112	1.46	-	27.58	36.31	8.30	30.35
PK	4.87676G	47.07	74.00	-26.93	8.86	3	Horizontal	101	1.50	-	38.21	31.10	7.14	29.38
PK	7.30188G	54.97	74.00	-19.03	14.25	3	Horizontal	112	1.46	-	40.72	36.30	8.30	30.35

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

04/06/2020

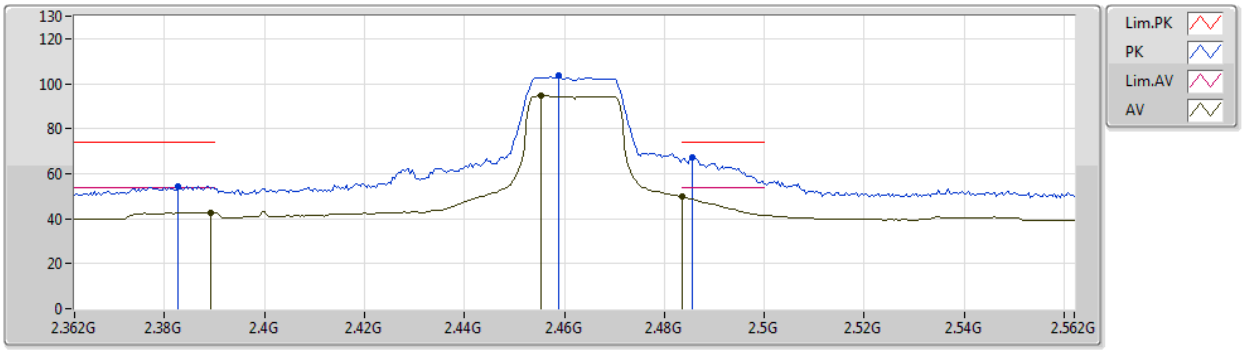


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3892G	41.45	54.00	-12.55	2.67	3	Vertical	179	1.85	-	38.78	27.62	5.28	30.23
AV	2.4692G	92.80	Inf	-Inf	2.64	3	Vertical	179	1.85	-	90.16	27.46	5.37	30.19
AV	2.4835G	48.11	54.00	-5.89	2.63	3	Vertical	179	1.85	-	45.48	27.43	5.38	30.18
PK	2.3896G	52.80	74.00	-21.20	2.67	3	Vertical	179	1.85	-	50.13	27.62	5.28	30.23
PK	2.4688G	100.79	Inf	-Inf	2.64	3	Vertical	179	1.85	-	98.15	27.46	5.37	30.19
PK	2.486G	65.99	74.00	-8.01	2.64	3	Vertical	179	1.85	-	63.35	27.43	5.39	30.18

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

04/06/2020

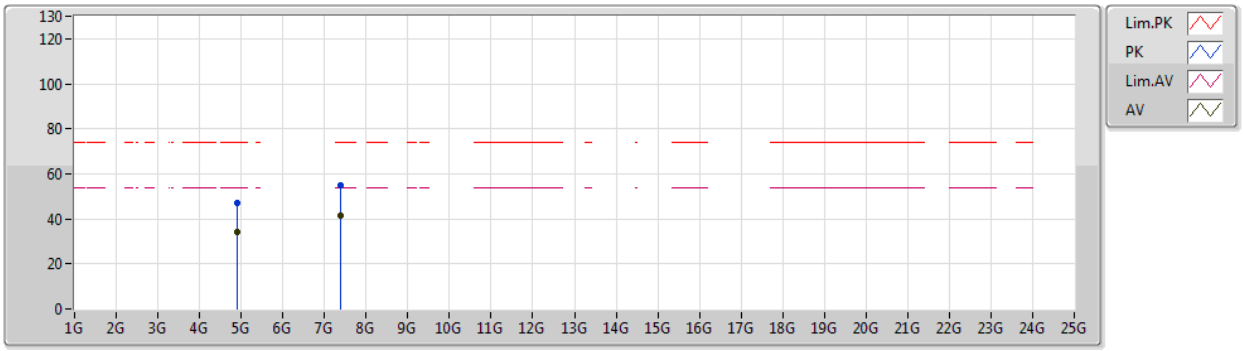


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3892G	42.84	54.00	-11.16	2.67	3	Horizontal	115	2.37	-	40.17	27.62	5.28	30.23
AV	2.4552G	94.67	Inf	-Inf	2.66	3	Horizontal	115	2.37	-	92.01	27.49	5.36	30.19
AV	2.4835G	49.61	54.00	-4.39	2.63	3	Horizontal	115	2.37	-	46.98	27.43	5.38	30.18
PK	2.3828G	54.61	74.00	-19.39	2.67	3	Horizontal	115	2.37	-	51.94	27.63	5.27	30.23
PK	2.4588G	103.47	Inf	-Inf	2.65	3	Horizontal	115	2.37	-	100.82	27.48	5.36	30.19
PK	2.4856G	67.51	74.00	-6.49	2.64	3	Horizontal	115	2.37	-	64.87	27.43	5.39	30.18

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

04/06/2020

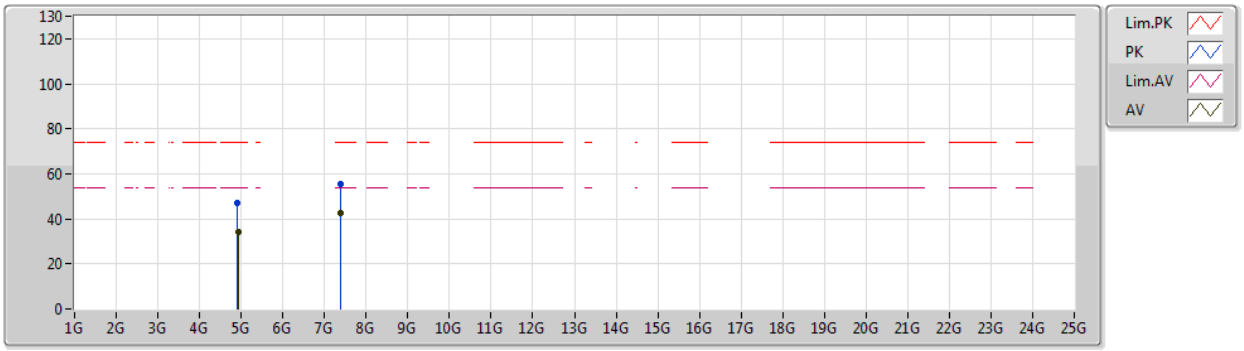


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.91404G	34.41	54.00	-19.59	8.93	3	Vertical	16	1.57	-	25.48	31.13	7.16	29.36
AV	7.39002G	41.57	54.00	-12.43	13.95	3	Vertical	213	1.50	-	27.62	36.08	8.30	30.43
PK	4.91428G	46.82	74.00	-27.18	8.93	3	Vertical	16	1.57	-	37.89	31.13	7.16	29.36
PK	7.38192G	54.85	74.00	-19.15	14.02	3	Vertical	213	1.50	-	40.83	36.14	8.30	30.42

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

04/06/2020

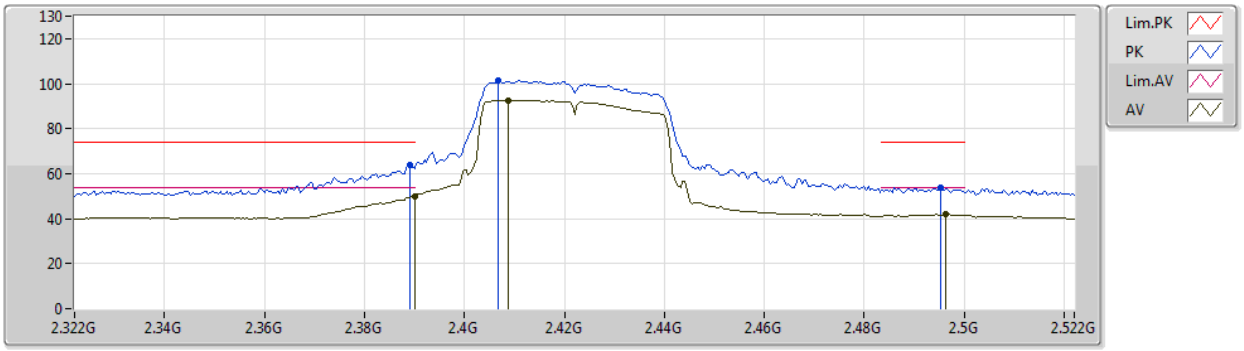


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.93252G	34.36	54.00	-19.64	8.99	3	Horizontal	16	1.56	-	25.37	31.17	7.17	29.35
AV	7.38636G	42.31	54.00	-11.69	13.99	3	Horizontal	111	1.53	-	28.32	36.11	8.30	30.42
PK	4.91152G	46.84	74.00	-27.16	8.92	3	Horizontal	16	1.56	-	37.92	31.12	7.16	29.36
PK	7.3872G	55.67	74.00	-18.33	13.98	3	Horizontal	111	1.53	-	41.69	36.10	8.30	30.42

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

04/06/2020

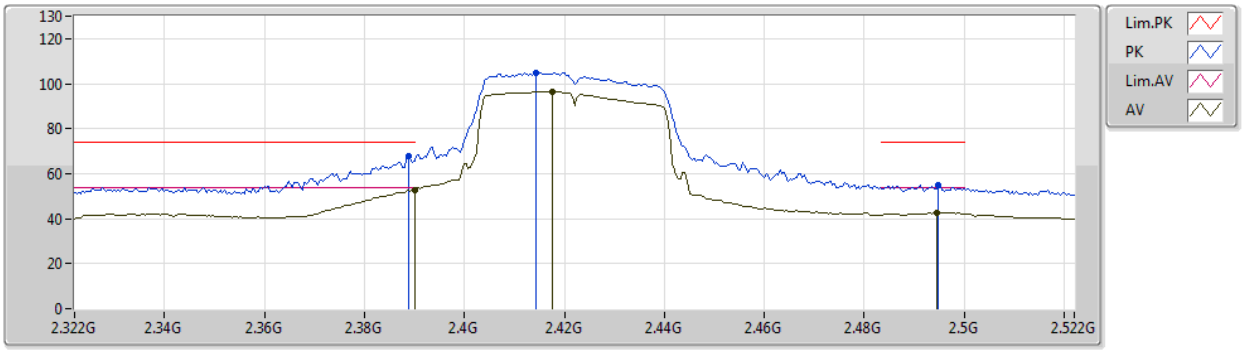


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	50.08	54.00	-3.92	2.68	3	Vertical	183	2.00	-	47.40	27.62	5.29	30.23
AV	2.4088G	92.68	Inf	-Inf	2.67	3	Vertical	183	2.00	-	90.01	27.58	5.31	30.22
AV	2.4964G	41.84	54.00	-12.16	2.64	3	Vertical	183	2.00	-	39.20	27.41	5.40	30.17
PK	2.3892G	64.03	74.00	-9.97	2.67	3	Vertical	183	2.00	-	61.36	27.62	5.28	30.23
PK	2.4068G	101.33	Inf	-Inf	2.68	3	Vertical	183	2.00	-	98.65	27.59	5.31	30.22
PK	2.4952G	54.01	74.00	-19.99	2.64	3	Vertical	183	2.00	-	51.37	27.41	5.40	30.17

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

04/06/2020

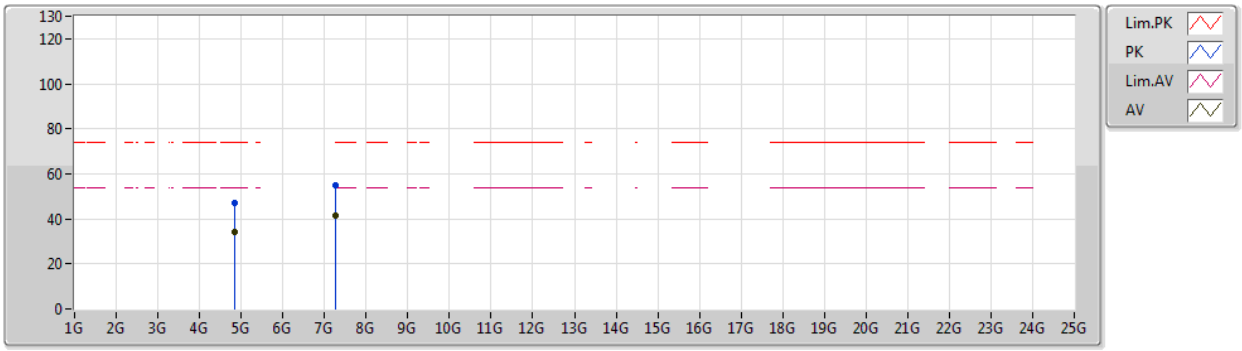


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	52.92	54.00	-1.08	2.68	3	Horizontal	116	2.24	-	50.24	27.62	5.29	30.23
AV	2.4176G	96.37	Inf	-Inf	2.67	3	Horizontal	116	2.24	-	93.70	27.56	5.32	30.21
AV	2.4944G	42.51	54.00	-11.49	2.63	3	Horizontal	116	2.24	-	39.88	27.41	5.39	30.17
PK	2.3888G	67.91	74.00	-6.09	2.67	3	Horizontal	116	2.24	-	65.24	27.62	5.28	30.23
PK	2.4144G	105.06	Inf	-Inf	2.66	3	Horizontal	116	2.24	-	102.40	27.57	5.31	30.22
PK	2.4948G	54.81	74.00	-19.19	2.63	3	Horizontal	116	2.24	-	52.18	27.41	5.39	30.17

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

04/06/2020

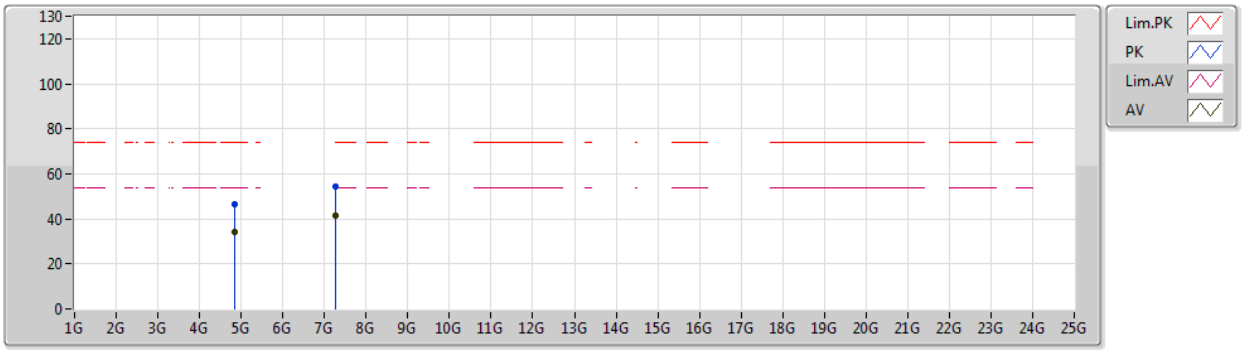


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8572G	34.32	54.00	-19.68	8.84	3	Vertical	290	1.50	-	25.48	31.10	7.13	29.39
AV	7.27026G	41.50	54.00	-12.50	14.28	3	Vertical	131	1.50	-	27.22	36.30	8.30	30.32
PK	4.83908G	47.31	74.00	-26.69	8.83	3	Vertical	290	1.50	-	38.48	31.10	7.12	29.39
PK	7.26948G	55.09	74.00	-18.91	14.28	3	Vertical	131	1.50	-	40.81	36.30	8.30	30.32

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

04/06/2020

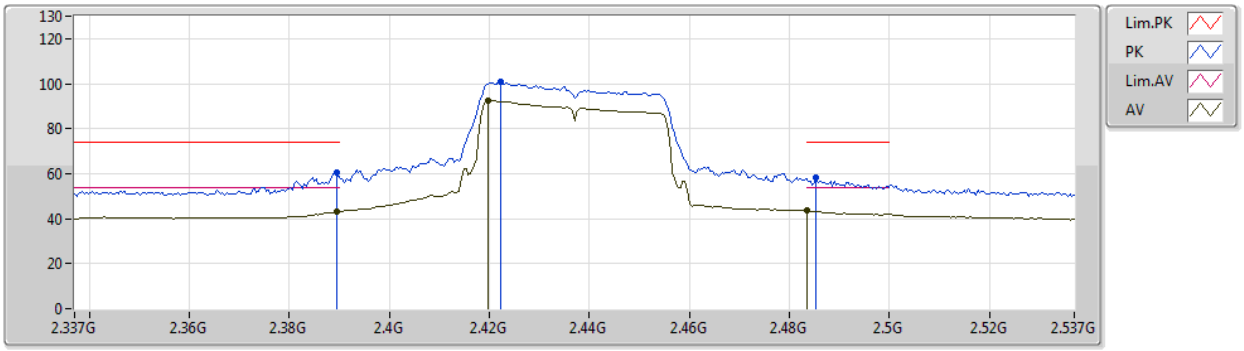


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	7.26342G	41.42	54.00	-12.58	14.28	3	Horizontal	111	1.34	-	27.14	36.30	8.30	30.32
AV	4.85864G	34.31	54.00	-19.69	8.84	3	Horizontal	173	1.11	-	25.47	31.10	7.13	29.39
PK	7.2624G	54.21	74.00	-19.79	14.28	3	Horizontal	111	1.34	-	39.93	36.30	8.30	30.32
PK	4.83866G	46.77	74.00	-27.23	8.83	3	Horizontal	173	1.11	-	37.94	31.10	7.12	29.39

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

04/06/2020

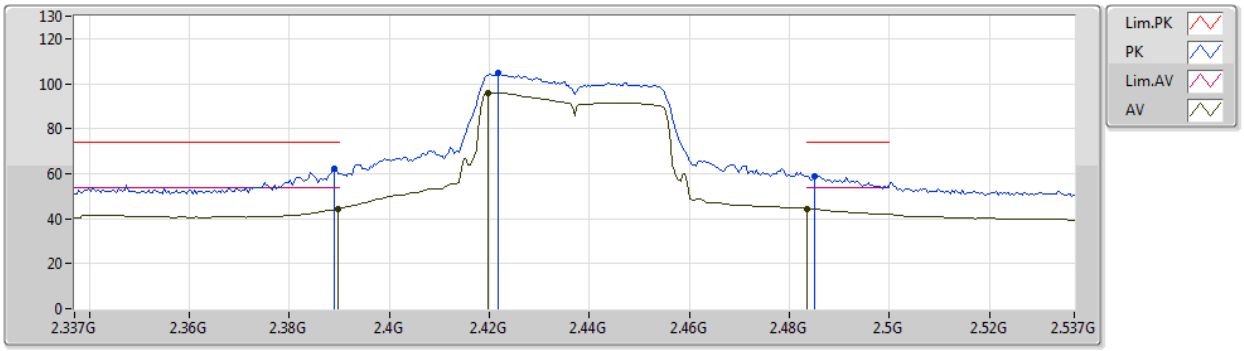


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3894G	43.10	54.00	-10.90	2.67	3	Vertical	172	1.50	-	40.43	27.62	5.28	30.23
AV	2.4198G	92.26	Inf	-Inf	2.67	3	Vertical	172	1.50	-	89.59	27.56	5.32	30.21
AV	2.4835G	43.43	54.00	-10.57	2.63	3	Vertical	172	1.50	-	40.80	27.43	5.38	30.18
PK	2.3894G	60.38	74.00	-13.62	2.67	3	Vertical	172	1.50	-	57.71	27.62	5.28	30.23
PK	2.4222G	100.95	Inf	-Inf	2.67	3	Vertical	172	1.50	-	98.28	27.56	5.32	30.21
PK	2.4854G	58.25	74.00	-15.75	2.64	3	Vertical	172	1.50	-	55.61	27.43	5.39	30.18

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

04/06/2020

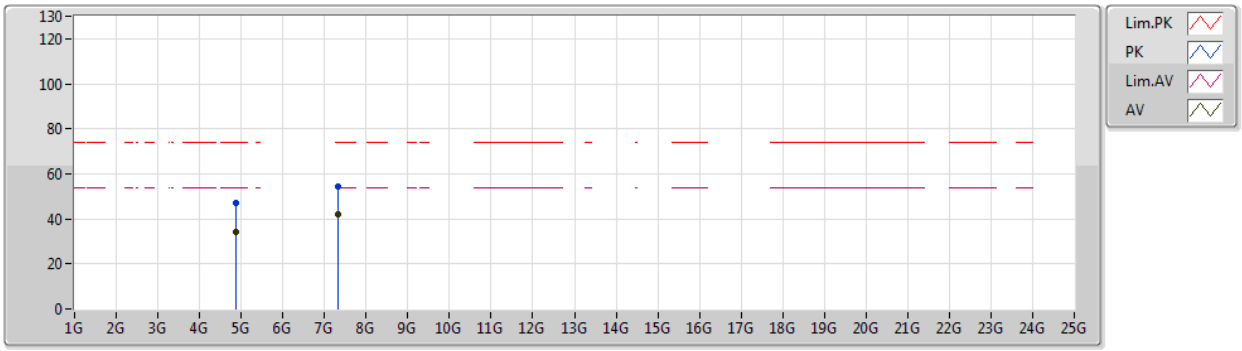


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	44.15	54.00	-9.85	2.67	3	Horizontal	115	2.21	-	41.48	27.62	5.28	30.23
AV	2.4198G	96.04	Inf	-Inf	2.67	3	Horizontal	115	2.21	-	93.37	27.56	5.32	30.21
AV	2.4835G	44.53	54.00	-9.47	2.63	3	Horizontal	115	2.21	-	41.90	27.43	5.38	30.18
PK	2.389G	62.06	74.00	-11.94	2.67	3	Horizontal	115	2.21	-	59.39	27.62	5.28	30.23
PK	2.4218G	104.76	Inf	-Inf	2.67	3	Horizontal	115	2.21	-	102.09	27.56	5.32	30.21
PK	2.485G	59.00	74.00	-15.00	2.63	3	Horizontal	115	2.21	-	56.37	27.43	5.38	30.18

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

04/06/2020

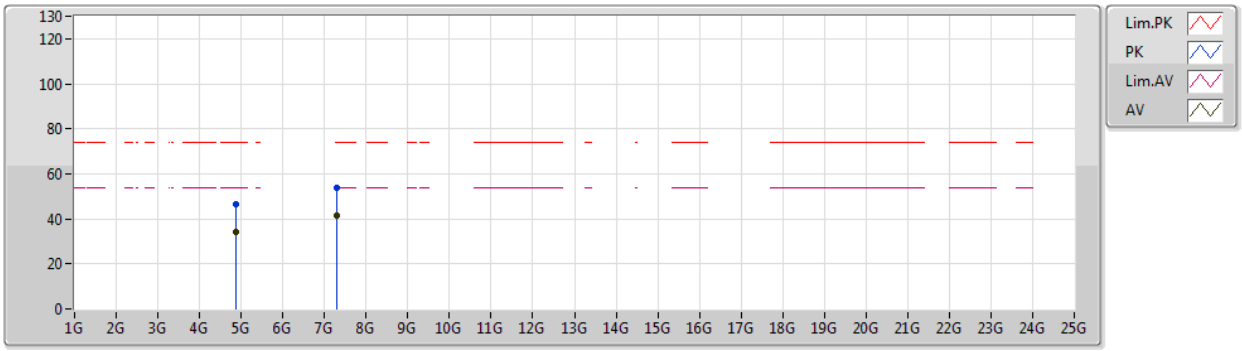


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87704G	34.42	54.00	-19.58	8.86	3	Vertical	195	1.50	-	25.56	31.10	7.14	29.38
AV	7.32028G	41.89	54.00	-12.11	14.27	3	Vertical	131	1.46	-	27.62	36.34	8.30	30.37
PK	4.87392G	46.93	74.00	-27.07	8.86	3	Vertical	195	1.50	-	38.07	31.10	7.14	29.38
PK	7.31308G	54.08	74.00	-19.92	14.27	3	Vertical	131	1.46	-	39.81	36.33	8.30	30.36

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

04/06/2020

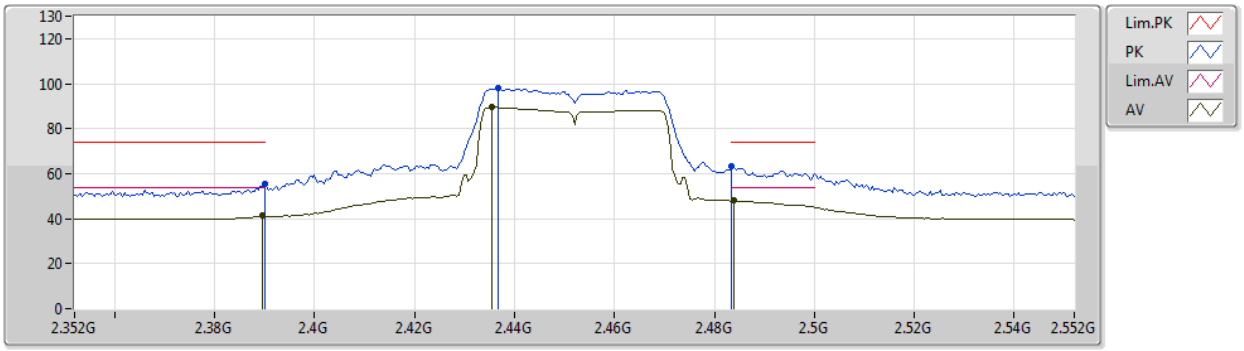


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.88608G	34.42	54.00	-19.58	8.87	3	Horizontal	49	2.08	-	25.55	31.10	7.14	29.37
AV	7.29556G	41.33	54.00	-12.67	14.26	3	Horizontal	110	1.40	-	27.07	36.30	8.30	30.34
PK	4.88352G	46.75	74.00	-27.25	8.87	3	Horizontal	49	2.08	-	37.88	31.10	7.14	29.37
PK	7.30108G	53.88	74.00	-20.12	14.25	3	Horizontal	110	1.40	-	39.63	36.30	8.30	30.35

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

04/06/2020

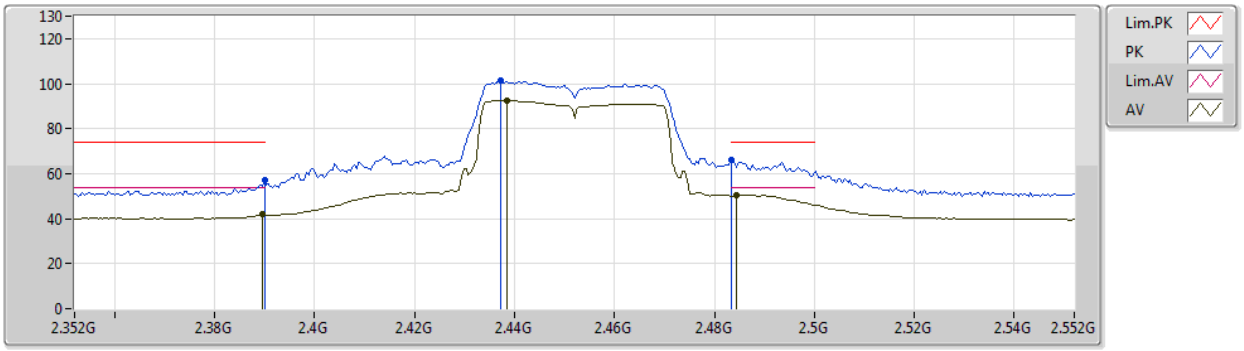


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3896G	41.30	54.00	-12.70	2.67	3	Vertical	173	1.49	-	38.63	27.62	5.28	30.23
AV	2.4356G	89.40	Inf	-Inf	2.67	3	Vertical	173	1.49	-	86.73	27.53	5.34	30.20
AV	2.484G	47.95	54.00	-6.05	2.63	3	Vertical	173	1.49	-	45.32	27.43	5.38	30.18
PK	2.39G	55.55	74.00	-18.45	2.68	3	Vertical	173	1.49	-	52.87	27.62	5.29	30.23
PK	2.4368G	98.24	Inf	-Inf	2.67	3	Vertical	173	1.49	-	95.57	27.53	5.34	30.20
PK	2.4835G	63.13	74.00	-10.87	2.63	3	Vertical	173	1.49	-	60.50	27.43	5.38	30.18

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

04/06/2020

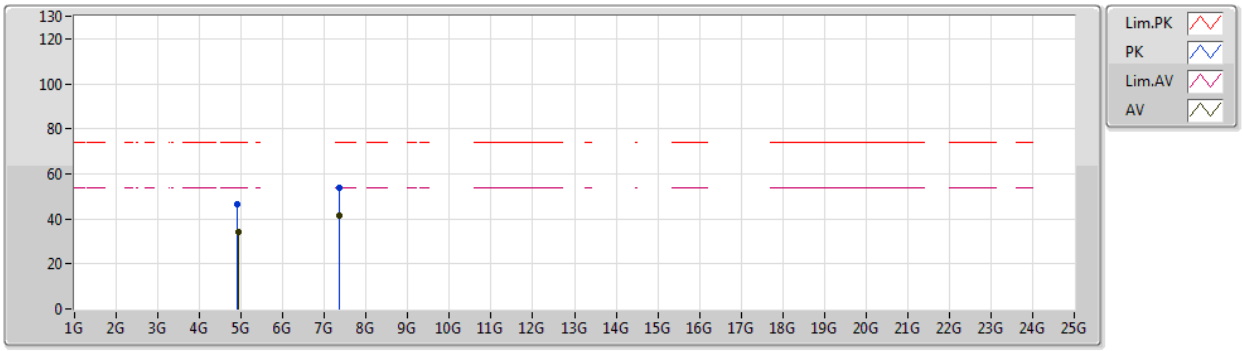


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3896G	41.76	54.00	-12.24	2.67	3	Horizontal	117	1.79	-	39.09	27.62	5.28	30.23
AV	2.4384G	92.48	Inf	-Inf	2.66	3	Horizontal	117	1.79	-	89.82	27.52	5.34	30.20
AV	2.4844G	50.36	54.00	-3.64	2.63	3	Horizontal	117	1.79	-	47.73	27.43	5.38	30.18
PK	2.39G	56.98	74.00	-17.02	2.68	3	Horizontal	117	1.79	-	54.30	27.62	5.29	30.23
PK	2.4372G	101.30	Inf	-Inf	2.67	3	Horizontal	117	1.79	-	98.63	27.53	5.34	30.20
PK	2.4835G	65.86	74.00	-8.14	2.63	3	Horizontal	117	1.79	-	63.23	27.43	5.38	30.18

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

04/06/2020

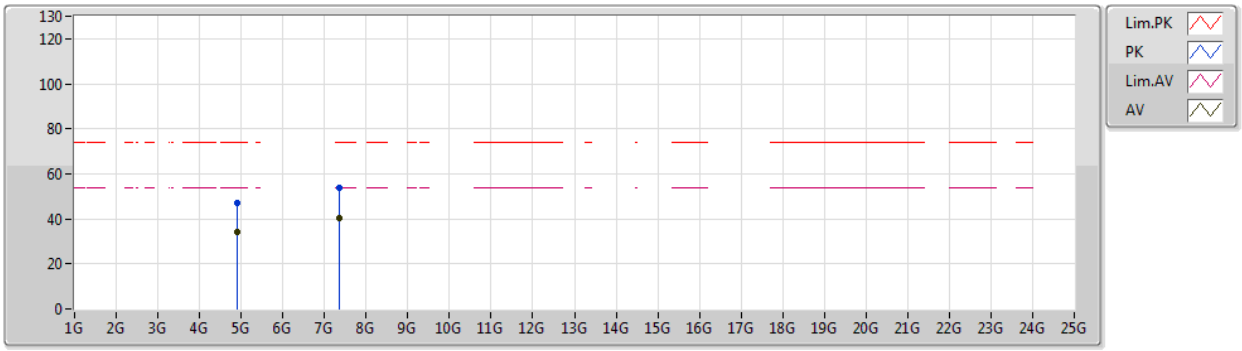


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92368G	33.97	54.00	-20.03	8.95	3	Vertical	280	1.17	-	25.02	31.15	7.16	29.36
AV	7.35136G	41.61	54.00	-12.39	14.30	3	Vertical	132	1.47	-	27.31	36.39	8.30	30.39
PK	4.90304G	46.77	74.00	-27.23	8.90	3	Vertical	280	1.17	-	37.87	31.11	7.15	29.36
PK	7.34776G	54.07	74.00	-19.93	14.31	3	Vertical	132	1.47	-	39.76	36.40	8.30	30.39

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

04/06/2020



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.89496G	33.92	54.00	-20.08	8.88	3	Horizontal	74	1.50	-	25.04	31.10	7.15	29.37
AV	7.35968G	40.54	54.00	-13.46	14.22	3	Horizontal	113	1.50	-	26.32	36.32	8.30	30.40
PK	4.90976G	47.31	74.00	-26.69	8.91	3	Horizontal	74	1.50	-	38.40	31.12	7.15	29.36
PK	7.35928G	53.90	74.00	-20.10	14.23	3	Horizontal	113	1.50	-	39.67	36.33	8.30	30.40