FCC Test Report

FCC ID	:	**XHM-AP6255D42**
Equipment	:	**Module 802.11 a/b/g/n/ac+Bluetooth 4.2**
Brand Name	:	**Flytech**
Model Name	:	**AP6255**
Applicant	:	**FLYTECH TECHNOLOGY CO., LTD No. 168, Sing-ai Rd., Neihu District, Taipei City, Taiwan**
Manufacturer	:	**FLYTECH TECHNOLOGY CO., LTD No. 168, Sing-ai Rd., Neihu District, Taipei City, Taiwan**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Aug. 06, 2019, and testing was started from Aug. 16, 2019 and completed on Aug. 26, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

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

Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR980606AC	01	Initial issue of report	Sep. 02, 2019

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	FCC 15.203
3.1	15.207	AC Power-line Conducted Emissions	PASS	FCC 15.207
3.2	15.247(a)	DTS Bandwidth	PASS	≥500kHz
3.3	15.247(b)	Maximum Conducted Output Power	PASS	Power [dBm]: 30
3.4	15.247(e)	Power Spectral Density	PASS	PSD [dBm/3kHz]: 8
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	Non-Restricted Bands: > 30 dBc
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	Restricted Bands: FCC 15.209

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: Jackson Tsai

Report Producer: Jenny Yang

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	SINBON	A9703688-D	PCB Antenna	I-PEX

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	1	1.39	3.34	1.39

Note 1: The EUT has one antenna.

For 2.4GHz function:

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

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

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

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

For 5GHz function:

For IEEE 802.11 a/n/ac mode (1TX/1RX)

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

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC Adapter			
EUT Function	☒	Point-to-multipoint	☐	Point-to-point
Beamforming Function	☐	With beamforming	☒	Without beamforming

Type of EUT		
☒	Stand-alone	
☐	Combined (EUT where the radio part is fully integrated within another device)	
	Combined Equipment - Brand Name / Model No.:	…
☐	Plug-in radio (EUT intended for a variety of host systems)	
	Host System - Brand Name / Model No.:	…
☐	Other:	

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.988	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.926	0.33	1.31m	1k
802.11n HT20	0.926	0.33	1.31m	1k

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
- KDB 558074 D01 v05r02

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.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Edward	22.8~24.5°C / 55.1~68.7%	21/Aug/2019
RF Conducted	TH06-HY	Tim	23~25°C / 55~58%	21/Aug/2019~ 26/Aug/2019
Radiated	03CH09-HY	Lego	22.8~23.5°C / 51.1~55.7%	16/Aug/2019~ 20/Aug/2019
Radiated (Co-location)	03CH09-HY	Lego	21.1~22.9°C / 53.2~55.8%	23/Aug/2019~ 24/Aug/2019

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.54 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	1.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 ℃	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

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

2.2 Test Channel Mode

Test Software	DoS

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	22
2417MHz	23
2437MHz	23
2457MHz	21
2462MHz	19
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	17
2417MHz	20
2437MHz	23
2457MHz	20
2462MHz	16
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	16
2417MHz	20
2437MHz	22
2457MHz	20
2462MHz	15

2.3 The Worst Case Measurement Configuration

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
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	Adapter mode
Operating Mode > 1GHz	CTX
Orthogonal Planes of EUT	**Z Plane**
	
Worst Planes of EUT	V

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	Bluetooth+WLAN 2.4GHz
2	Bluetooth+WLAN 5GHz
Refer to Sporton Test Report No.: FA980606 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.4 Support Equipment

Support Equipment – AC Conduction				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Adapter	Asian	WA-36A12R	-
2	Test Fixture	-	-	-

Note: Support equipment No.1 & 2 were provided by customer.

Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Test Fixture	-	-	-

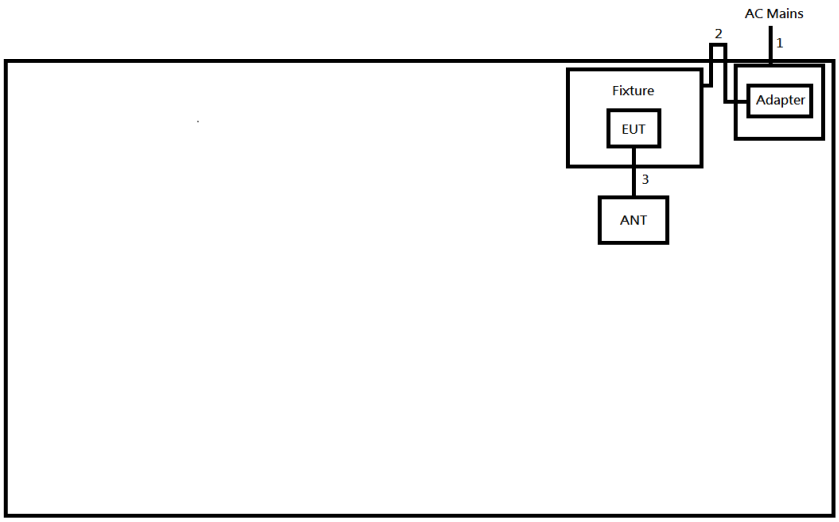
Note: Support equipment No.1 was provided by customer.

Support Equipment – Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Adapter	Asian	WA-36A12R	-
2	Test Fixture	-	-	-

Note: Support equipment No.1 & 2 were provided by customer.

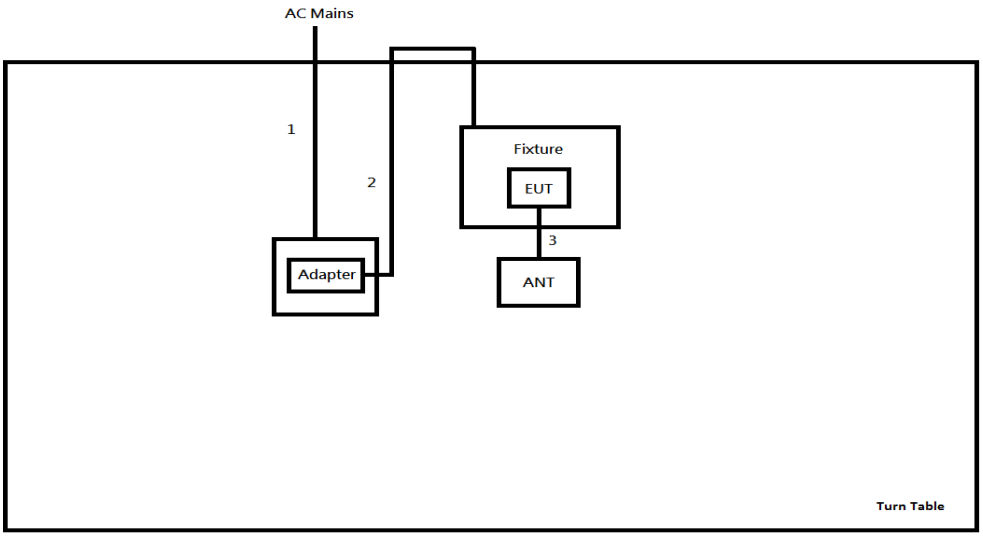
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	Power Cable	No	1.0	-
2	DC Power Cable	No	1.8	-
3	RF cable	No	0.5	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	2.0	-
2	DC Power line	No	1.8	-
3	RF cable	No	0.5	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

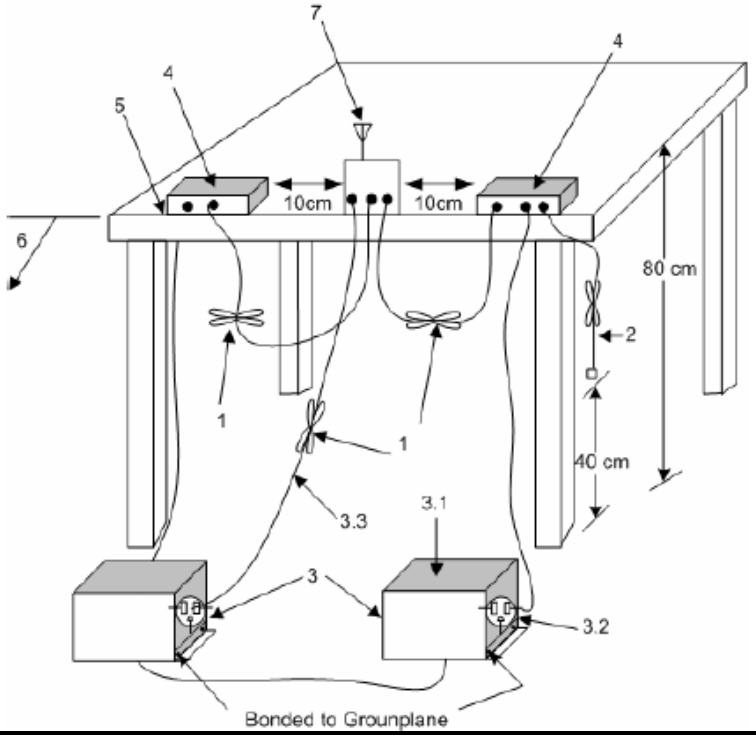
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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.

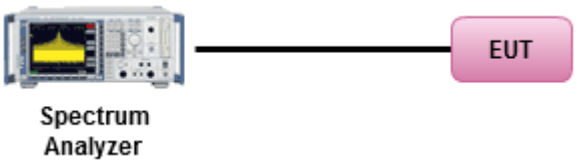
3.2.2 Measuring Instruments

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

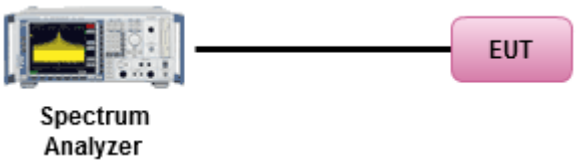
3.4.2 Measuring Instruments

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) Method PKPSD.	
▪ For conducted measurement.		
	▪ If The EUT supports multiple transmit chains using options given below:	
		▪ Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.

3.4.4 Test Setup

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.	

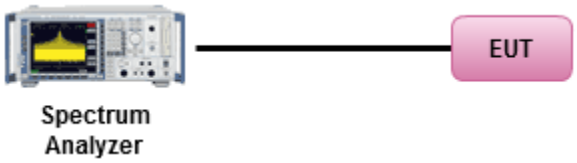
3.5.2 Measuring Instruments

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.

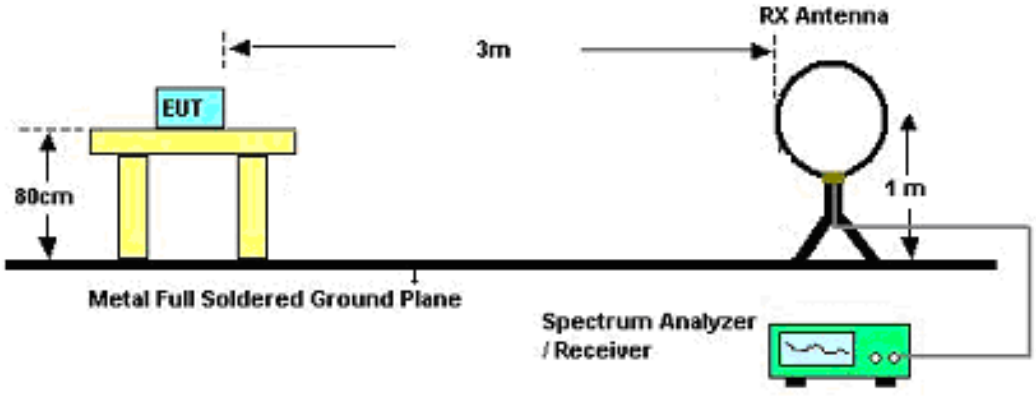
3.6.2 Measuring Instruments

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

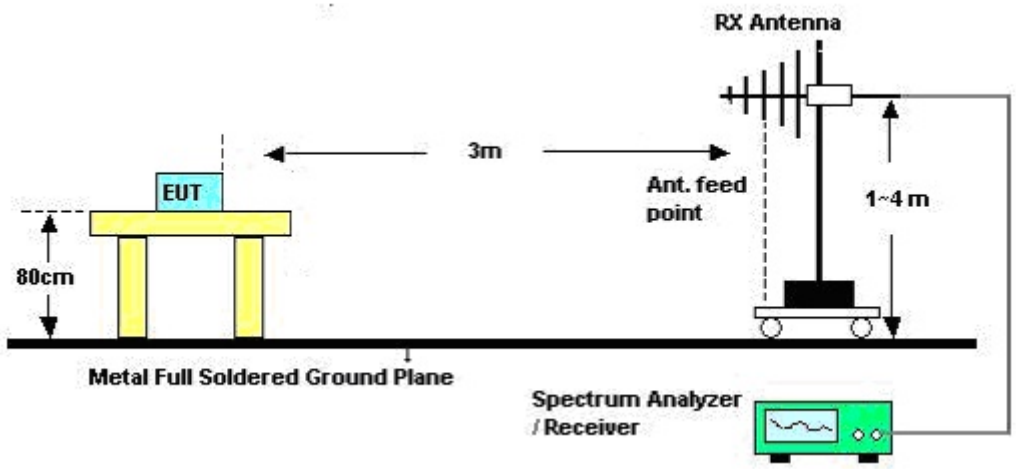
3.6.3 Test Procedures

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.

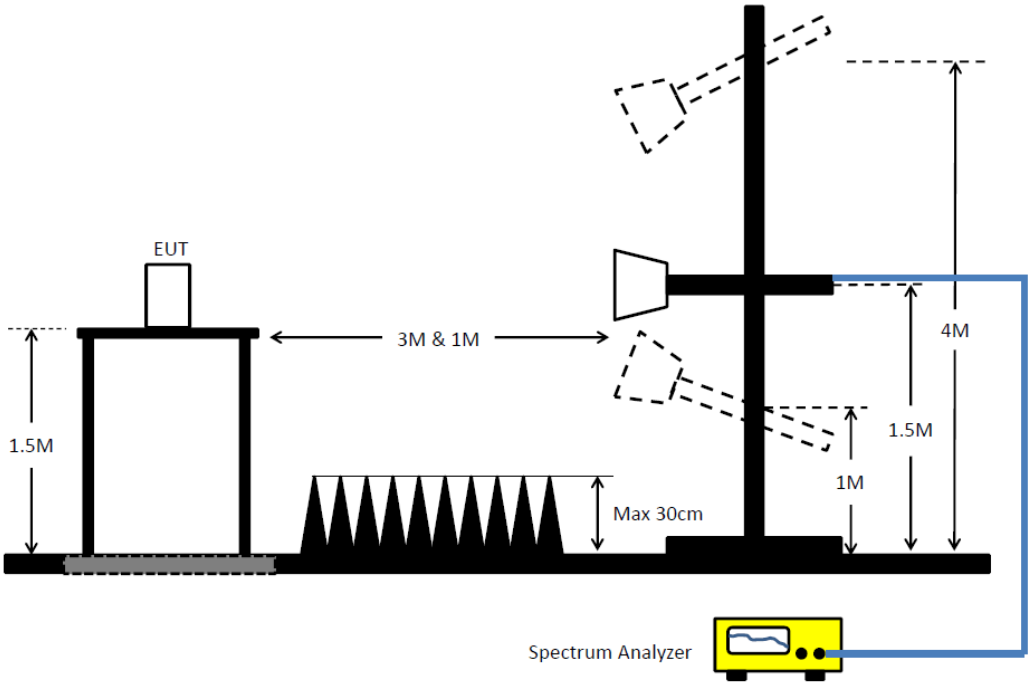
3.6.4 Test Setup

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	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2019	08/Apr/2020
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	08/Nov/2018	07/Nov/2019
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	17/Sep/2018	16/Sep/2019
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2018	11/Oct/2019

NCR : Non-Calibration Require

Instrument for Conducted Test

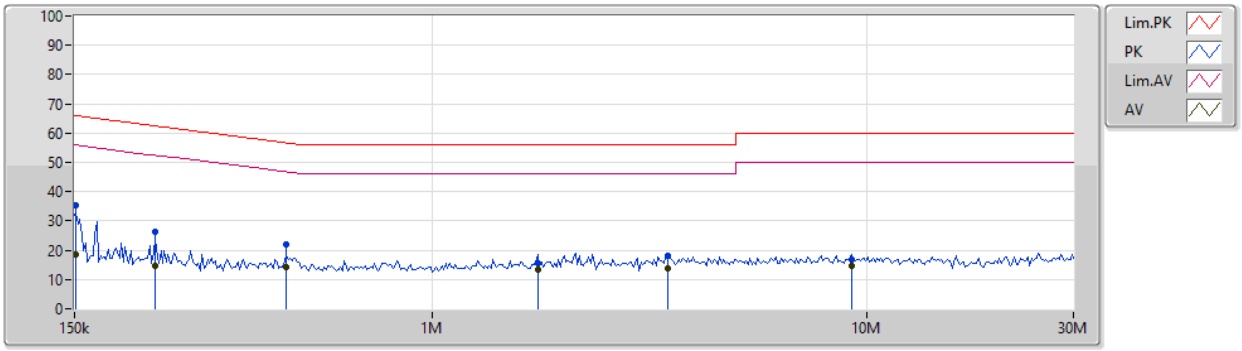
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	13/Mar/2019	12/Mar/2020
Power Sensor	Anritsu	MA2411B	1339407	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Power Meter	Anritsu	ML2495A	1517010	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	30MHz ~18G	21/Mar/2019	20/Mar/2020
Cable 0.2m	HUBER	MY10711/4	RF Cable - 02	30MHz ~18G	21/Mar/2019	20/Mar/2020
Cable 0.5m	HUBER	MY39470/4	RF Cable - 29	30MHz ~18G	21/Mar/2019	20/Mar/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz	22/Apr/2019	21/Apr/2020
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	13/Jun/2019	12/Jun/2020
Microwave System Premplifier	KEYSIGHT	87422A	MY53270197	1GHz ~ 18GHz	30/Nov/2018	29/Nov/2019
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	22/Apr/2019	21/Apr/2020
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2019	08/Apr/2020
Spectrum Analyzer	R&S	FSP30	100793	9 kHz ~ 30GHz	05/Jun/2019	04/Jun/2020
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D & MTJ6102-05	35418 / 3	30MHz~1GHz	02/Oct/2018	03/Oct/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	22/May/2019	21/May/2020
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170614	18GHz~40GHz	22/May/2019	21/May/2020
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	15/Mar/2019	14/Mar/2020
LF-CABLE-2019 0218	Jye Bao	RG142	CB028	9kHz ~ 1GHz	18/Feb/2019	17/Feb/2020
RF Cable-high	HUBER+ SUHNER	SUCOFLEX104	SN 556626/4 + 556627	1GHz ~ 40GHz	13/Mar/2019	12/Mar/2020

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Adapter Mode		

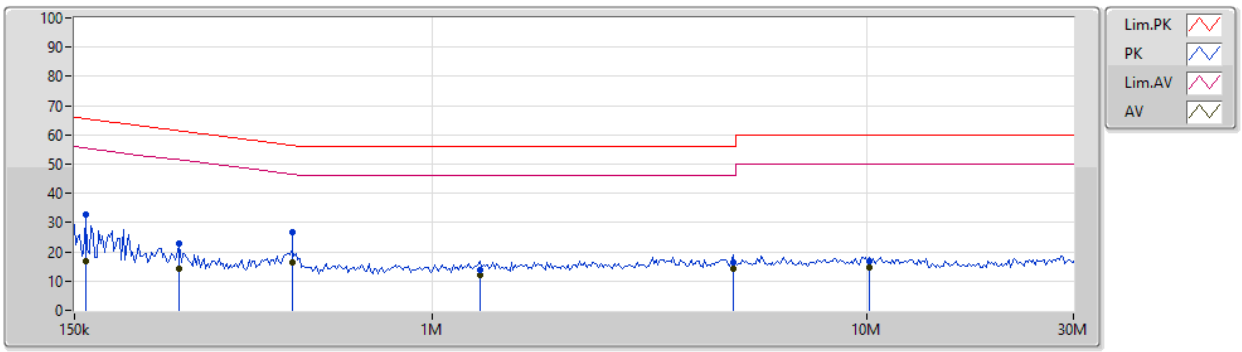
21/08/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	151.5k	35.38	65.92	-30.54	19.48	Neutral	"Worst"	15.90	9.60	0.01	9.87
AV	151.5k	18.73	55.92	-37.19	19.48	Neutral	-	-0.75	9.60	0.01	9.87
QP	230.097k	26.38	62.44	-36.06	19.47	Neutral	-	6.91	9.59	0.01	9.87
AV	230.097k	14.55	52.44	-37.89	19.47	Neutral	-	-4.92	9.59	0.01	9.87
QP	461.75k	22.15	56.67	-34.52	19.48	Neutral	-	2.67	9.59	0.01	9.88
AV	461.75k	14.32	46.67	-32.35	19.48	Neutral	-	-5.16	9.59	0.01	9.88
QP	1.752M	15.32	56.00	-40.68	19.53	Neutral	-	-4.21	9.61	0.03	9.89
AV	1.752M	13.33	46.00	-32.67	19.53	Neutral	-	-6.20	9.61	0.03	9.89
QP	3.481M	18.02	56.00	-37.98	19.54	Neutral	-	-1.52	9.61	0.04	9.89
AV	3.481M	14.00	46.00	-32.00	19.54	Neutral	-	-5.54	9.61	0.04	9.89
QP	9.229M	17.02	60.00	-42.98	19.62	Neutral	-	-2.60	9.66	0.07	9.89
AV	9.229M	14.63	50.00	-35.37	19.62	Neutral	-	-4.99	9.66	0.07	9.89

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	Adapter Mode		

21/08/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159.228k	32.55	65.50	-32.95	19.48	Line	-	13.07	9.60	0.01	9.87
AV	159.228k	17.01	55.50	-38.49	19.48	Line	-	-2.47	9.60	0.01	9.87
QP	261.871k	22.65	61.37	-38.72	19.48	Line	-	3.17	9.60	0.01	9.87
AV	261.871k	14.43	51.37	-36.94	19.48	Line	-	-5.05	9.60	0.01	9.87
QP	475.741k	26.90	56.42	-29.52	19.48	Line	"Worst"	7.42	9.59	0.01	9.88
AV	475.741k	16.26	46.42	-30.16	19.48	Line	-	-3.22	9.59	0.01	9.88
QP	1.287M	13.86	56.00	-42.14	19.51	Line	-	-5.65	9.61	0.02	9.88
AV	1.287M	12.24	46.00	-33.76	19.51	Line	-	-7.27	9.61	0.02	9.88
QP	4.931M	16.19	56.00	-39.81	19.58	Line	-	-3.39	9.64	0.05	9.89
AV	4.931M	14.23	46.00	-31.77	19.58	Line	-	-5.35	9.64	0.05	9.89
QP	10.194M	16.70	60.00	-43.30	19.63	Line	-	-2.93	9.67	0.07	9.89
AV	10.194M	14.65	50.00	-35.35	19.63	Line	-	-4.98	9.67	0.07	9.89

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	9.05M	14.318M	14M3G1D	8.55M	12.219M
802.11g_Nss1,(6Mbps)_1TX	16.275M	26.587M	26M6D1D	15.7M	16.542M
802.11n HT20_Nss1,(MCS0)_1TX	17.05M	21.339M	21M3D1D	16.325M	17.641M

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

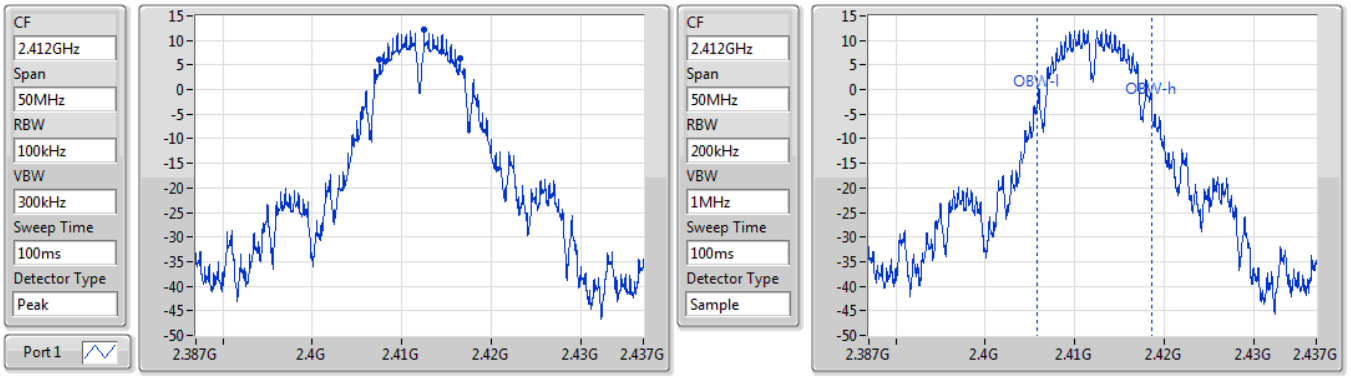
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	9.05M	12.844M
2437MHz	Pass	500k	9.05M	14.318M
2462MHz	Pass	500k	8.55M	12.219M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.275M	16.617M
2437MHz	Pass	500k	15.7M	26.587M
2462MHz	Pass	500k	16.275M	16.542M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	17.05M	17.716M
2437MHz	Pass	500k	16.325M	21.339M
2462MHz	Pass	500k	16.75M	17.641M

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

802.11b_Nss1,(1Mbps)_1TX EBW

2412MHz

21/08/2019

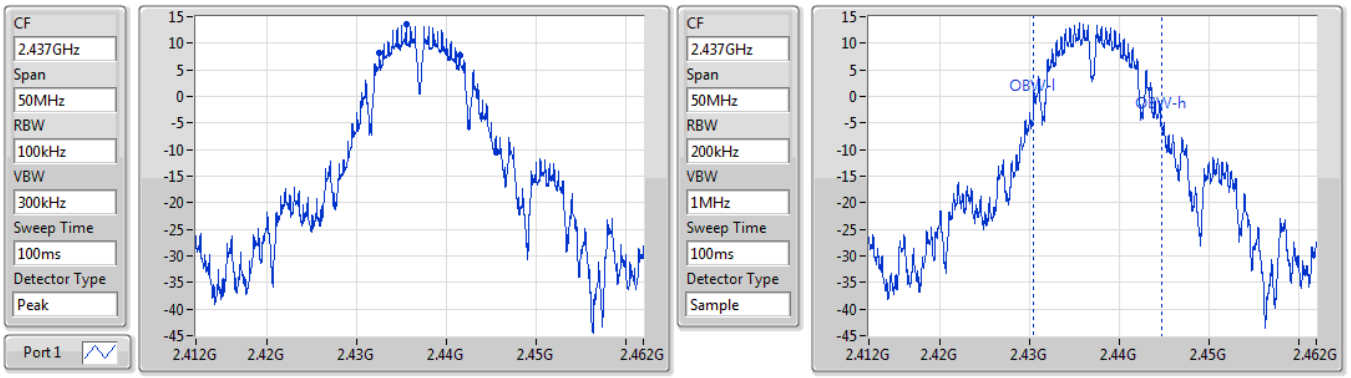


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.05M	2.407475G	2.416525G	12.844M	2.405778G	2.418622G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

21/08/2019

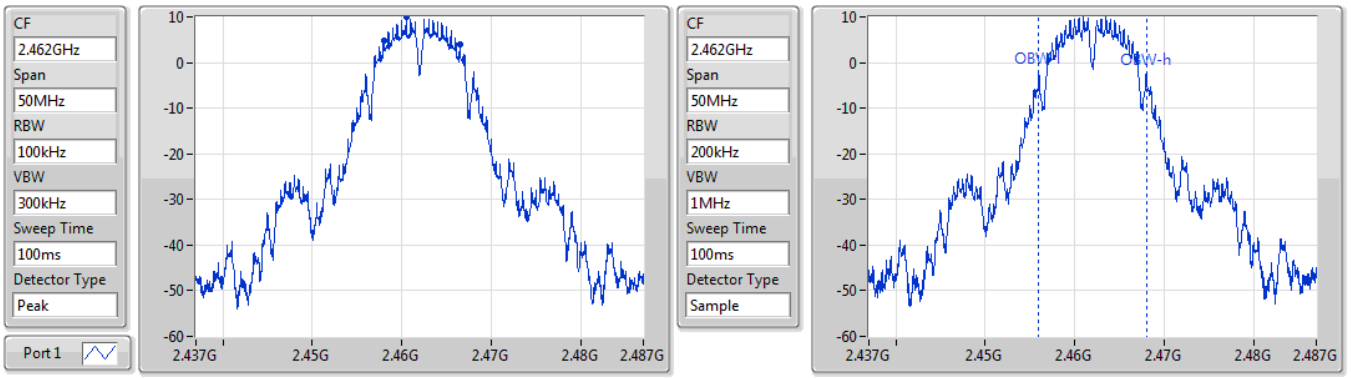


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.05M	2.432475G	2.441525G	14.318M	2.430378G	2.444696G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

21/08/2019

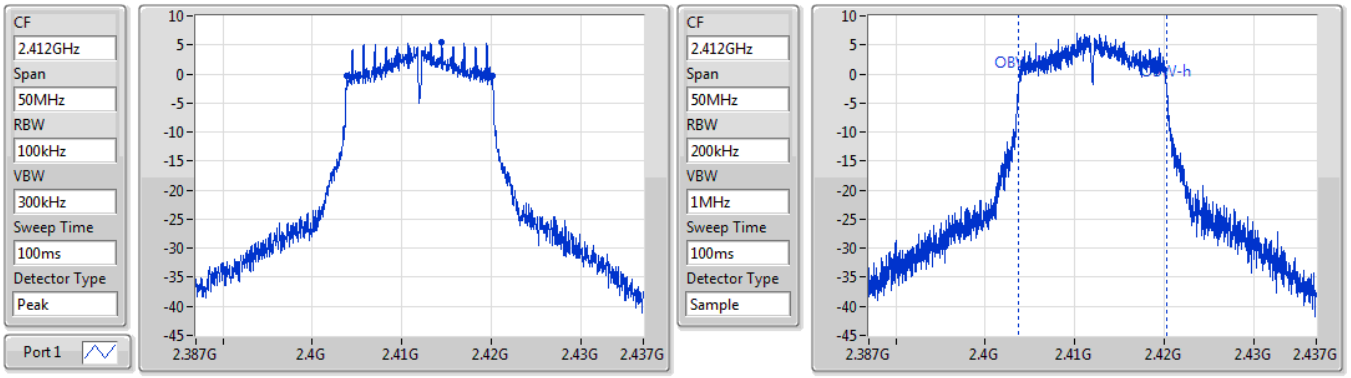


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.55M	2.457975G	2.466525G	12.219M	2.455903G	2.468122G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2412MHz

21/08/2019

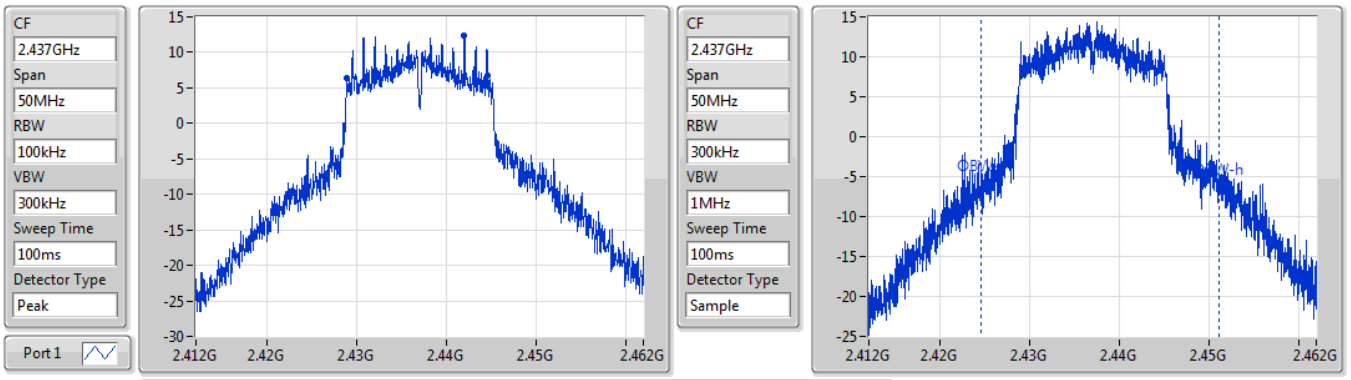


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	2.403875G	2.42015G	16.617M	2.403679G	2.420296G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2437MHz

21/08/2019

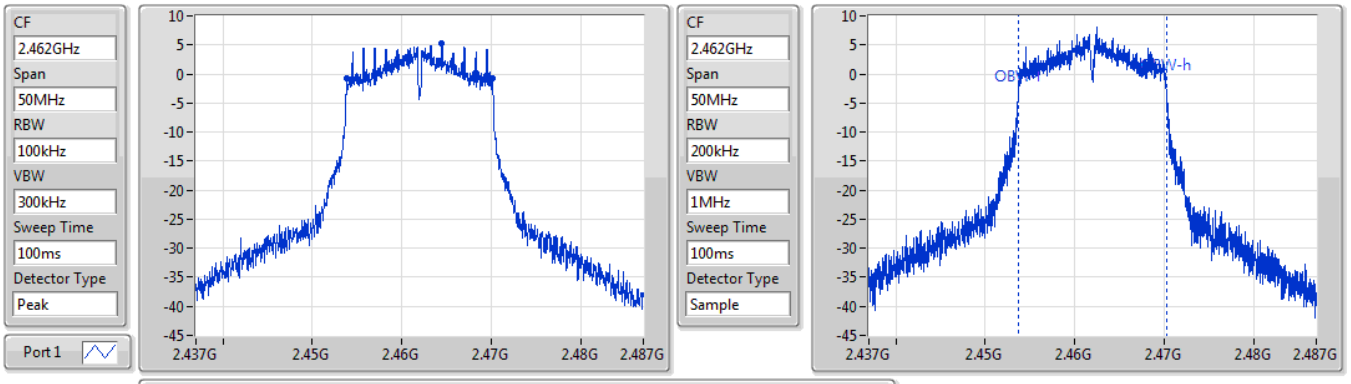


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.7M	2.428875G	2.444575G	26.587M	2.424581G	2.451168G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2462MHz

21/08/2019

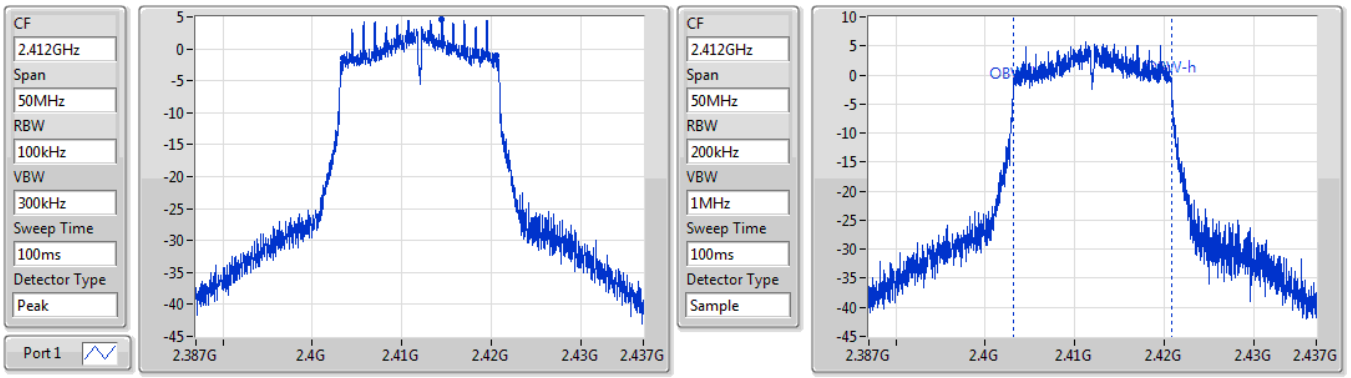


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	2.453875G	2.47015G	16.542M	2.453704G	2.470246G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2412MHz

21/08/2019

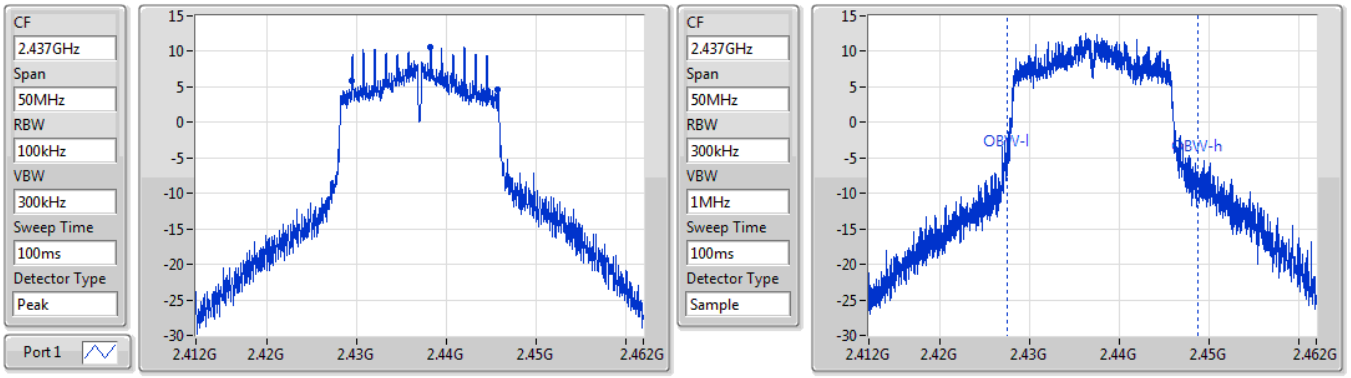


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.05M	2.403475G	2.420525G	17.716M	2.403129G	2.420846G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2437MHz

21/08/2019

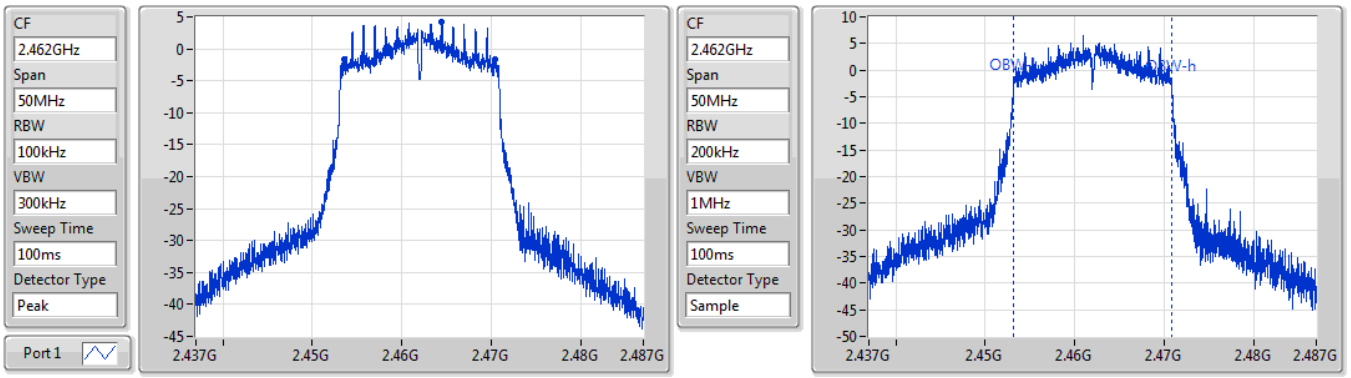


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.429425G	2.44575G	21.339M	2.42748G	2.448819G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2462MHz

21/08/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.75M	2.453625G	2.470375G	17.641M	2.453179G	2.470821G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	22.28	0.16904
802.11g_Nss1,(6Mbps)_1TX	22.43	0.17498
802.11n HT20_Nss1,(MCS0)_1TX	21.07	0.12794

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.39	20.84	20.84	30.00
2417MHz	Pass	1.39	22.04	22.04	30.00
2437MHz	Pass	1.39	22.28	22.28	30.00
2457MHz	Pass	1.39	20.25	20.25	30.00
2462MHz	Pass	1.39	18.39	18.39	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.39	17.25	17.25	30.00
2417MHz	Pass	1.39	19.46	19.46	30.00
2437MHz	Pass	1.39	22.43	22.43	30.00
2457MHz	Pass	1.39	19.88	19.88	30.00
2462MHz	Pass	1.39	16.89	16.89	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	1.39	16.09	16.09	30.00
2417MHz	Pass	1.39	18.97	18.97	30.00
2437MHz	Pass	1.39	21.07	21.07	30.00
2457MHz	Pass	1.39	19.53	19.53	30.00
2462MHz	Pass	1.39	15.55	15.55	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	-1.12
802.11g_Nss1,(6Mbps)_1TX	-1.37
802.11n HT20_Nss1,(MCS0)_1TX	-2.75

RBW=3 kHz.

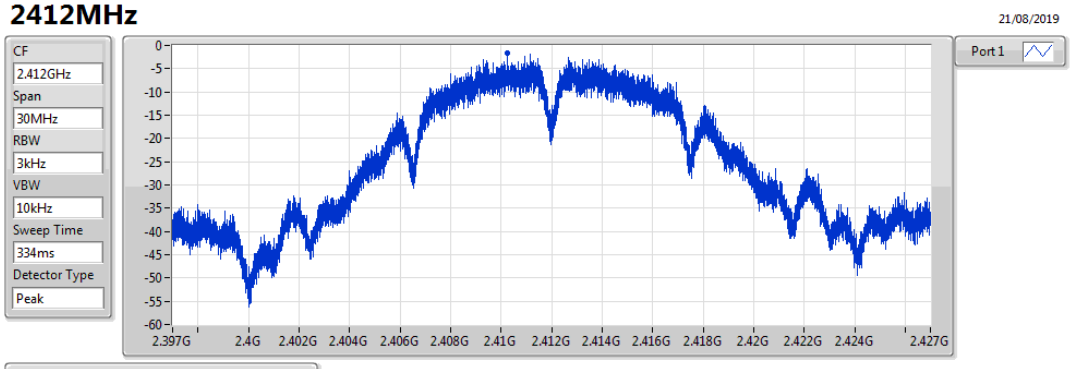
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.39	-1.56	-1.56	8.00
2437MHz	Pass	1.39	-1.12	-1.12	8.00
2462MHz	Pass	1.39	-3.65	-3.65	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.39	-5.90	-5.90	8.00
2437MHz	Pass	1.39	-1.37	-1.37	8.00
2462MHz	Pass	1.39	-6.11	-6.11	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	1.39	-8.12	-8.12	8.00
2437MHz	Pass	1.39	-2.75	-2.75	8.00
2462MHz	Pass	1.39	-8.89	-8.89	8.00

DG = Directional Gain; RBW=3 kHz;
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

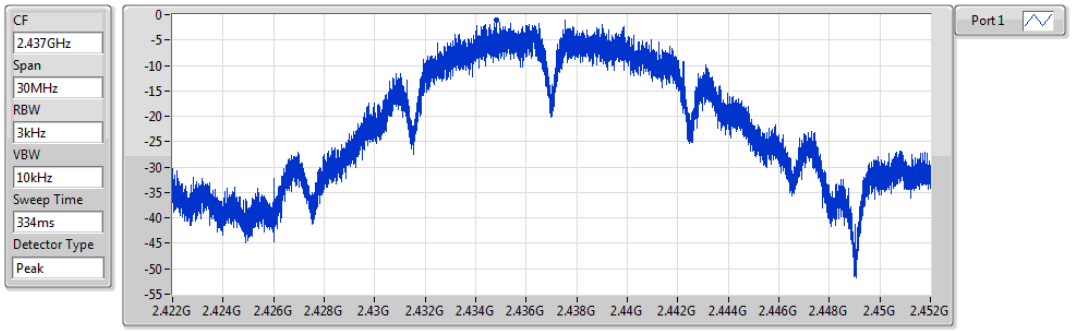
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.56	-1.56	-1.56

802.11b_Nss1,(1Mbps)_1TX PSD

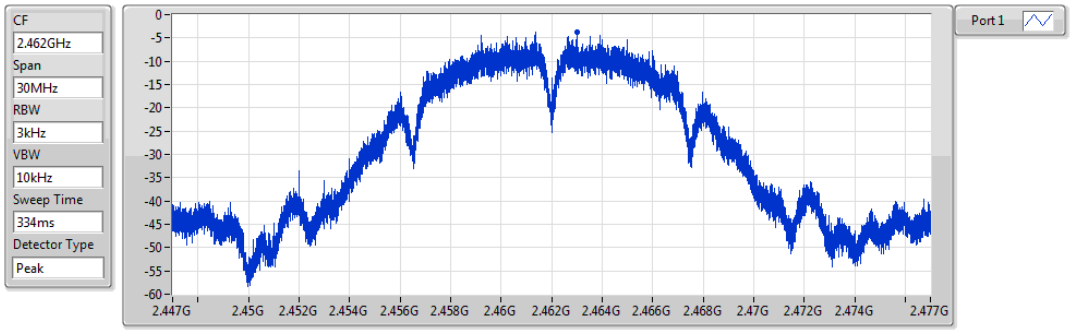
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.12	-1.12	-1.12

802.11b_Nss1,(1Mbps)_1TX PSD

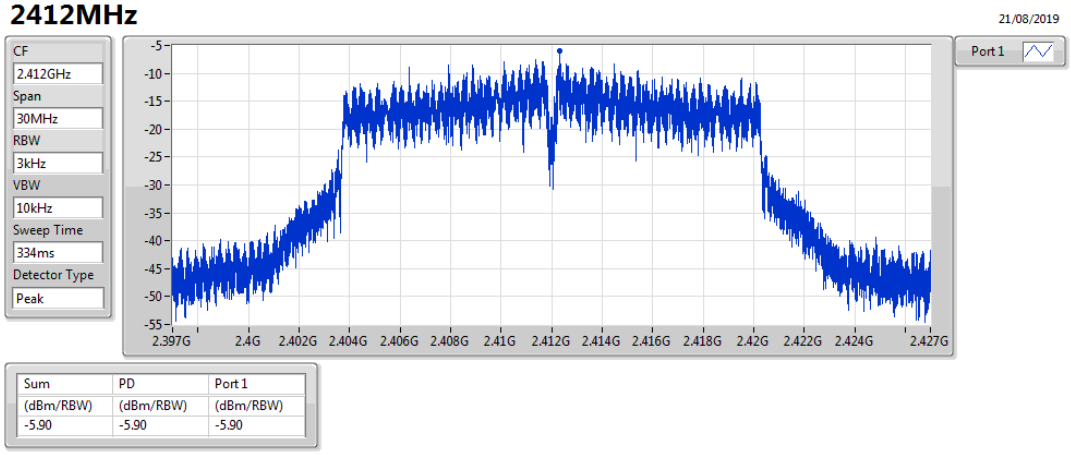
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.65	-3.65	-3.65

802.11g_Nss1,(6Mbps)_1TX PSD

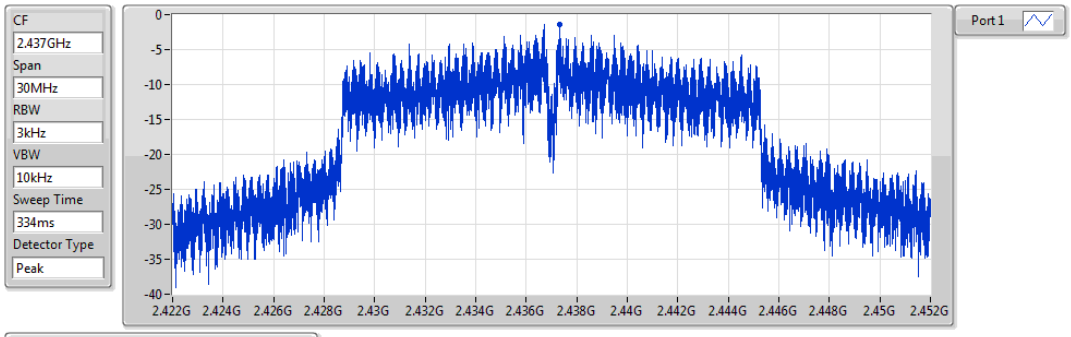
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.90	-5.90	-5.90

802.11g_Nss1,(6Mbps)_1TX PSD

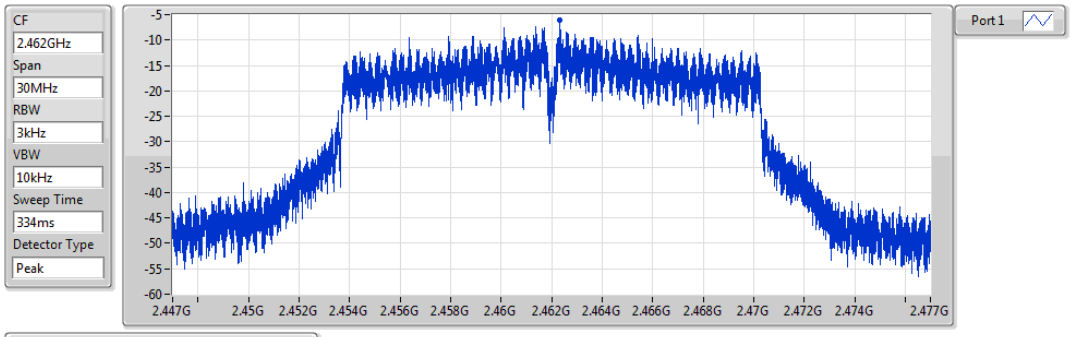
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.37	-1.37	-1.37

802.11g_Nss1,(6Mbps)_1TX PSD

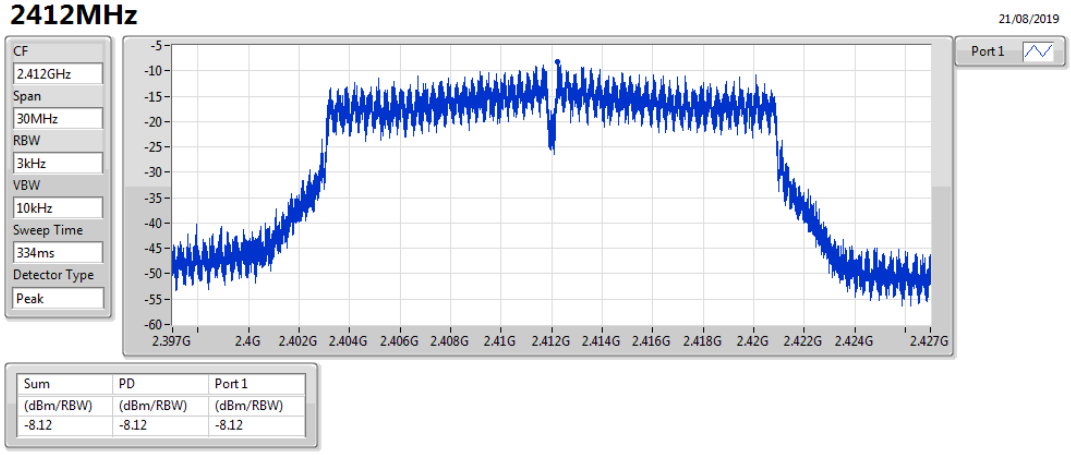
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.11	-6.11	-6.11

802.11n HT20_Nss1,(MCS0)_1TX PSD

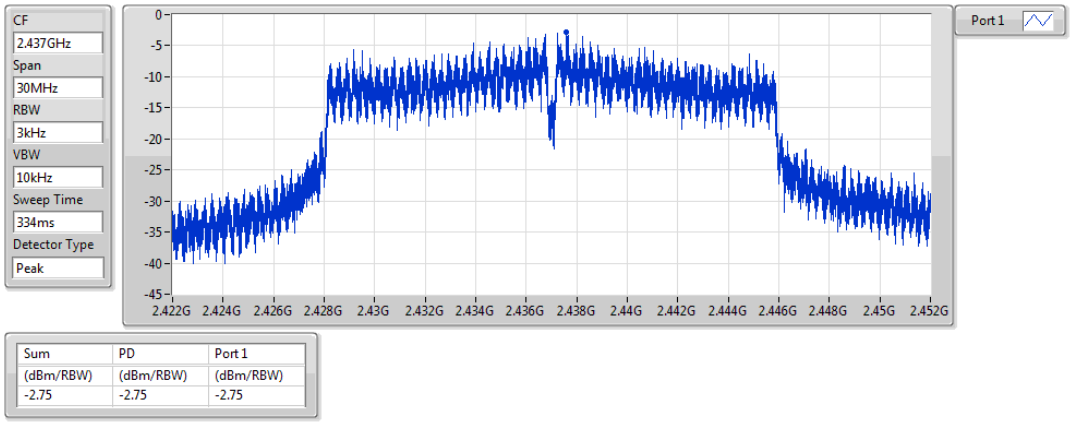
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.12	-8.12	-8.12

802.11n HT20_Nss1,(MCS0)_1TX PSD

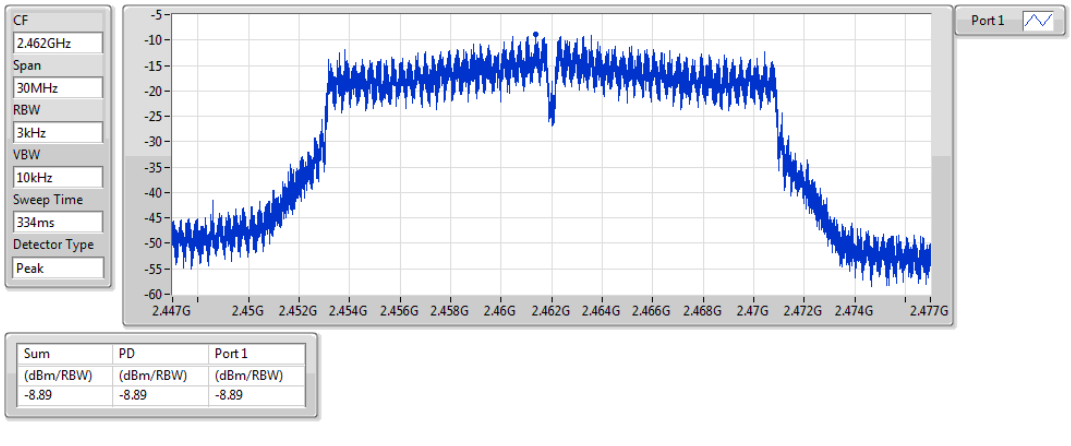
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.75	-2.75	-2.75

802.11n HT20_Nss1,(MCS0)_1TX PSD

2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.89	-8.89	-8.89

Summary

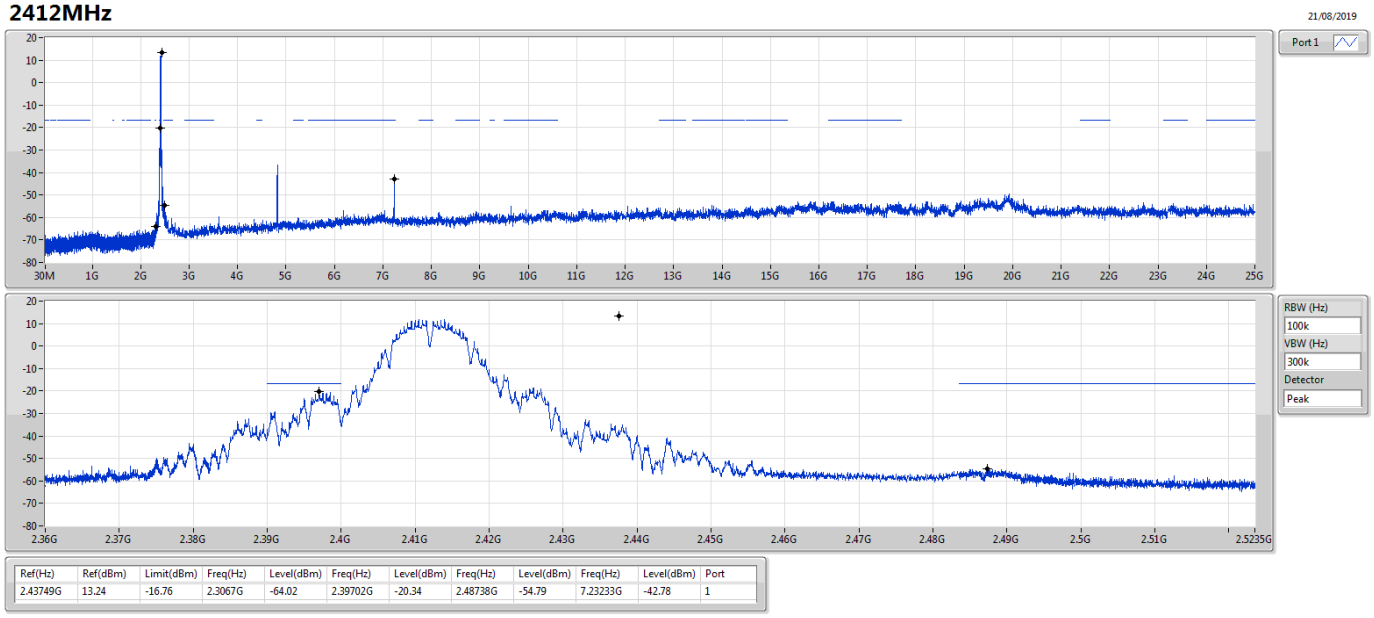
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.43749G	13.24	-16.76	2.3067G	-64.02	2.39702G	-20.34	2.48738G	-54.79	7.23233G	-42.78	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.442G	12.37	-17.63	861.81M	-64.91	2.3995G	-24.44	2.48546G	-56.05	7.23795G	-50.11	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.43073G	10.53	-19.47	2.3035G	-65.45	2.39952G	-25.33	2.49086G	-56.74	7.23514G	-51.18	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43749G	13.24	-16.76	2.3067G	-64.02	2.39702G	-20.34	2.48738G	-54.79	7.23233G	-42.78	1
2437MHz	Pass	2.43749G	13.24	-16.76	2.30466G	-65.08	2.39998G	-39.13	2.485G	-48.75	16.2735G	-52.83	1
2462MHz	Pass	2.442G	12.37	-17.63	2.30699G	-65.57	2.39004G	-58.44	2.48352G	-40.09	17.46756G	-52.66	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	12.37	-17.63	861.81M	-64.91	2.3995G	-24.44	2.48546G	-56.05	7.23795G	-50.11	1
2437MHz	Pass	2.442G	12.37	-17.63	2.30437G	-63.08	2.39952G	-33.29	2.4839G	-34.97	16.20045G	-52.85	1
2462MHz	Pass	2.442G	12.37	-17.63	2.30903G	-64.83	2.3993G	-59.58	2.48416G	-33.75	17.19504G	-53.35	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	10.53	-19.47	2.3035G	-65.45	2.39952G	-25.33	2.49086G	-56.74	7.23514G	-51.18	1
2437MHz	Pass	2.43073G	10.53	-19.47	2.17797G	-65.78	2.39982G	-34.90	2.48372G	-41.99	16.28755G	-52.84	1
2462MHz	Pass	2.43073G	10.53	-19.47	674.54M	-65.49	2.39576G	-60.34	2.48484G	-36.29	16.22855G	-53.04	1

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

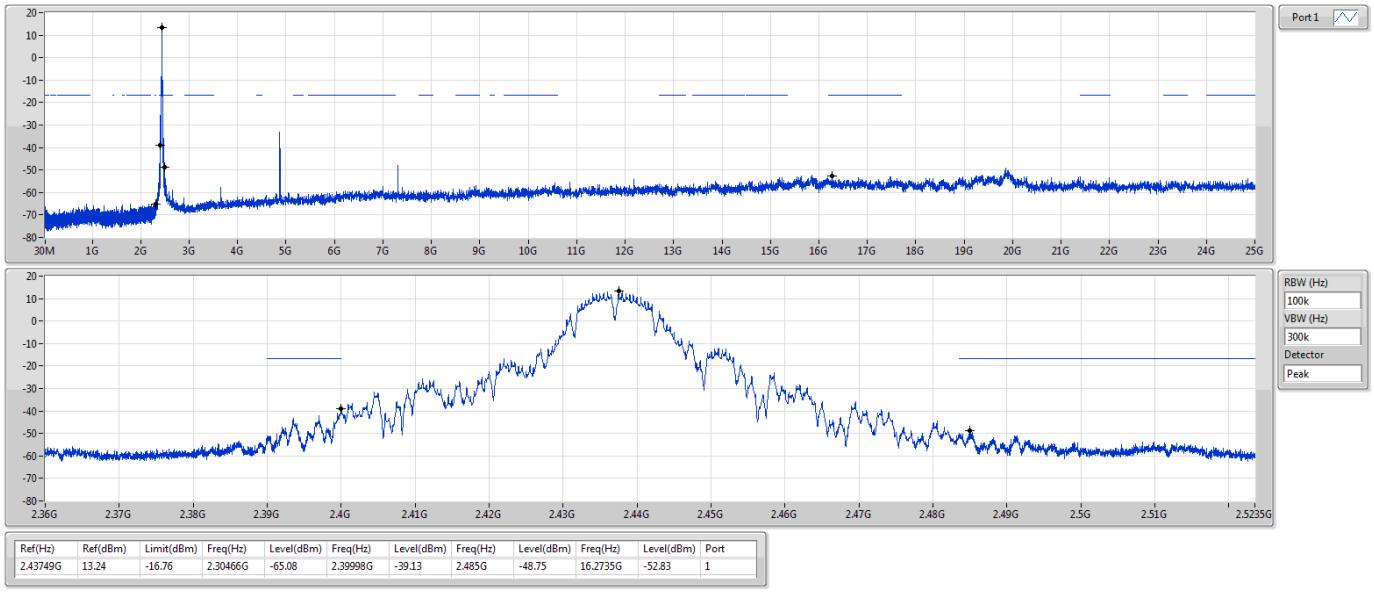
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43749G	13.24	-16.76	2.3067G	-64.02	2.39702G	-20.34	2.48738G	-54.79	7.23233G	-42.78	1

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

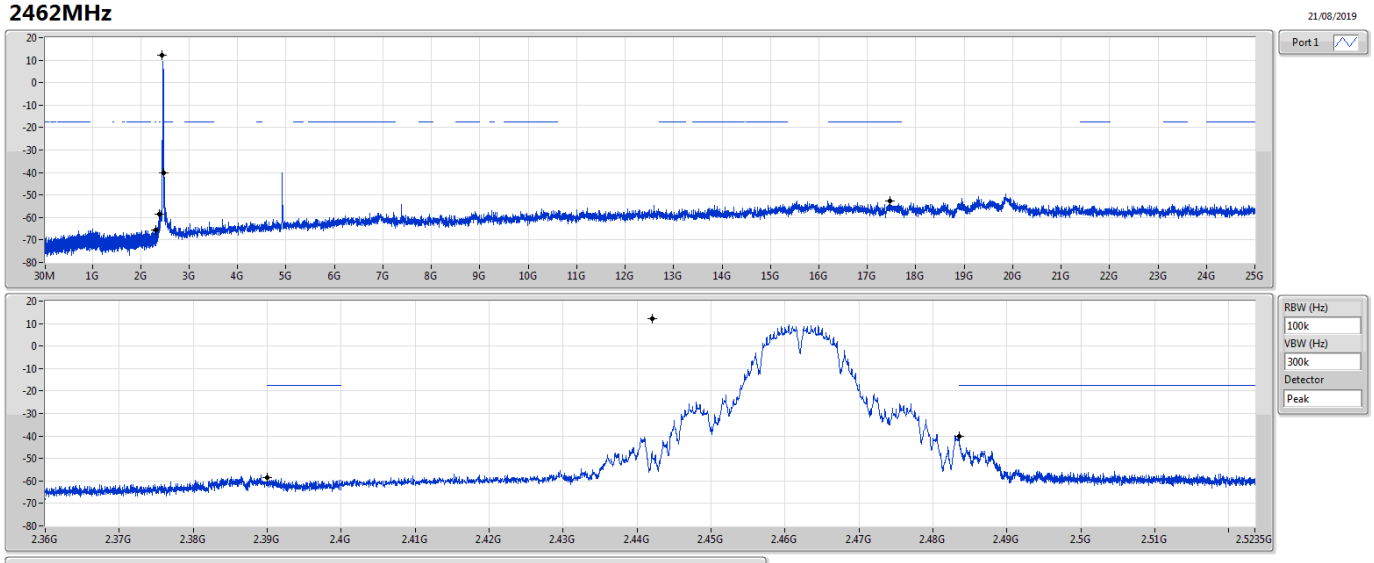
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43749G	13.24	-16.76	2.30466G	-65.08	2.39998G	-39.13	2.485G	-48.75	16.2735G	-52.83	1

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

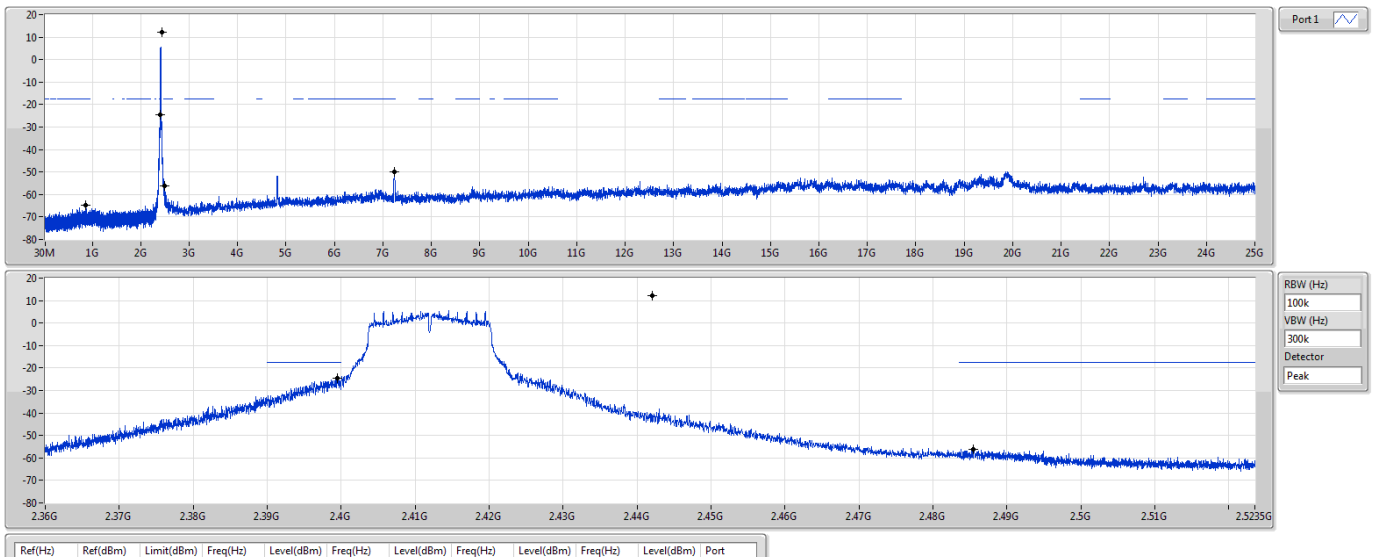
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	12.37	-17.63	2.30699G	-65.57	2.39004G	-58.44	2.48352G	-40.09	17.46756G	-52.66	1

802.11g_Nss1,(6Mbps)_1TX **CSE NdB**

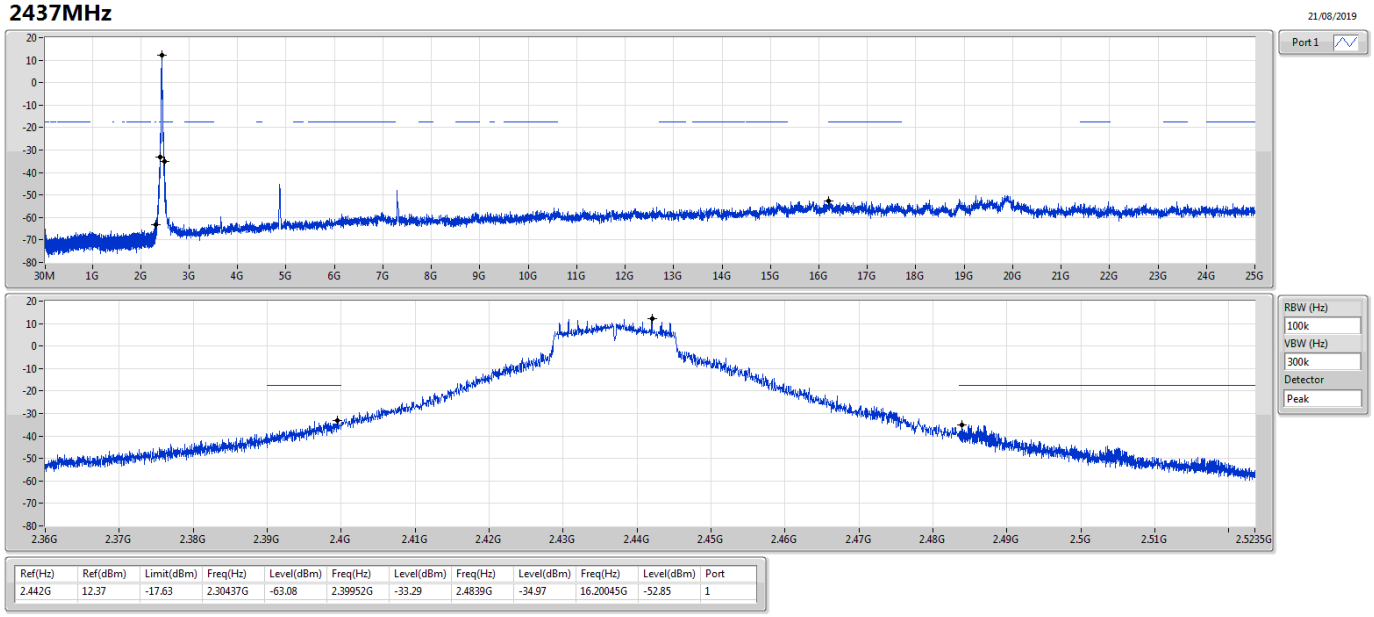
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	12.37	-17.63	861.81M	-64.91	2.3995G	-24.44	2.48546G	-56.05	7.23795G	-50.11	1

802.11g_Nss1,(6Mbps)_1TX **CSE NdB**

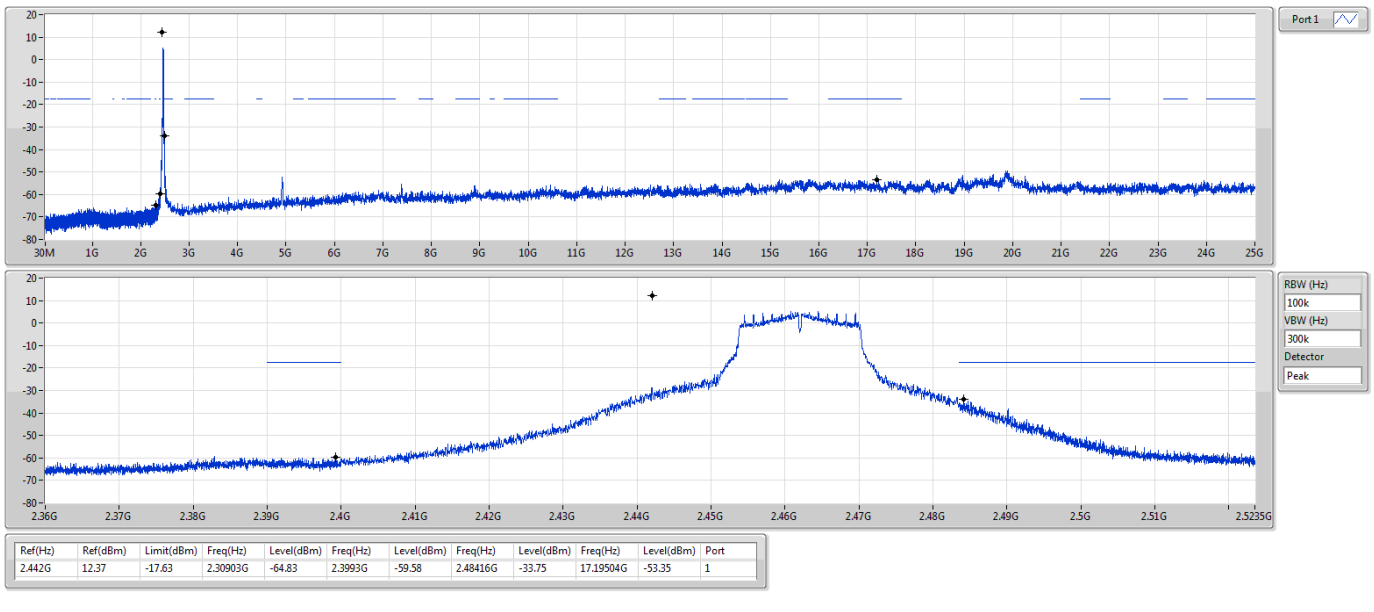
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	12.37	-17.63	2.30437G	-63.08	2.39952G	-33.29	2.4839G	-34.97	16.20045G	-52.85	1

802.11g_Nss1,(6Mbps)_1TX **CSE NdB**

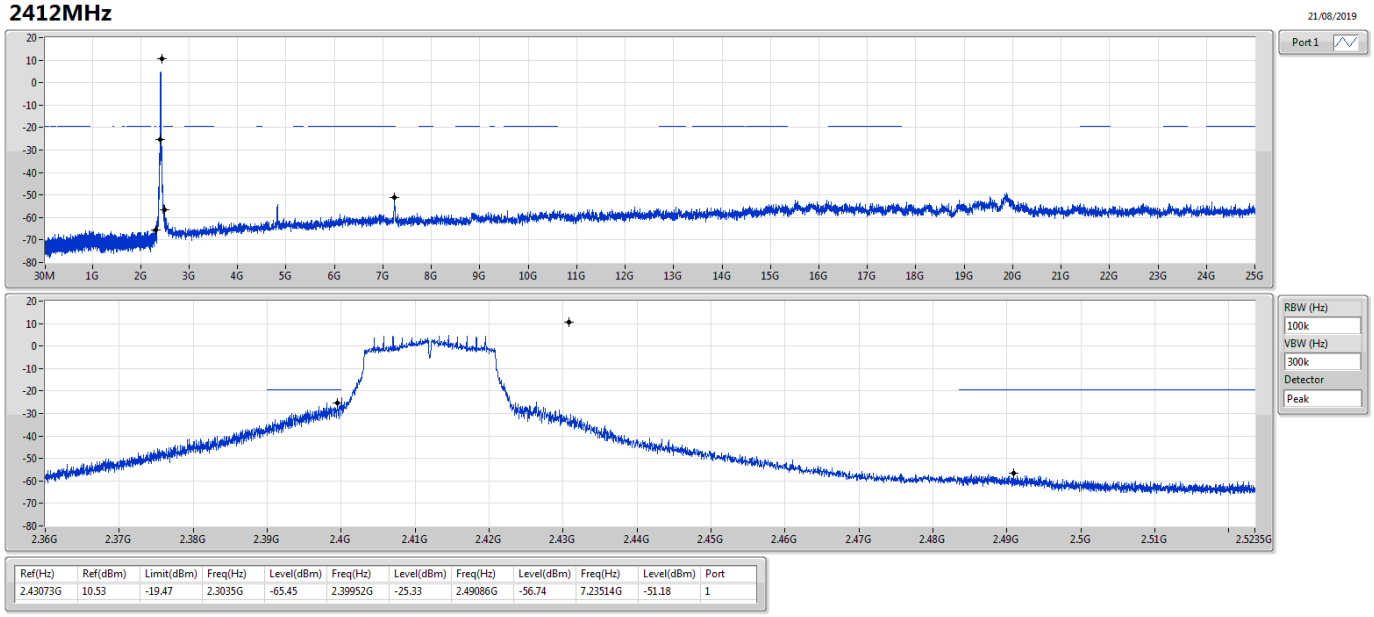
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	12.37	-17.63	2.30903G	-64.83	2.3993G	-59.58	2.48416G	-33.75	17.19504G	-53.35	1

802.11n HT20_Nss1,(MCS0)_1TX **CSE NdB**

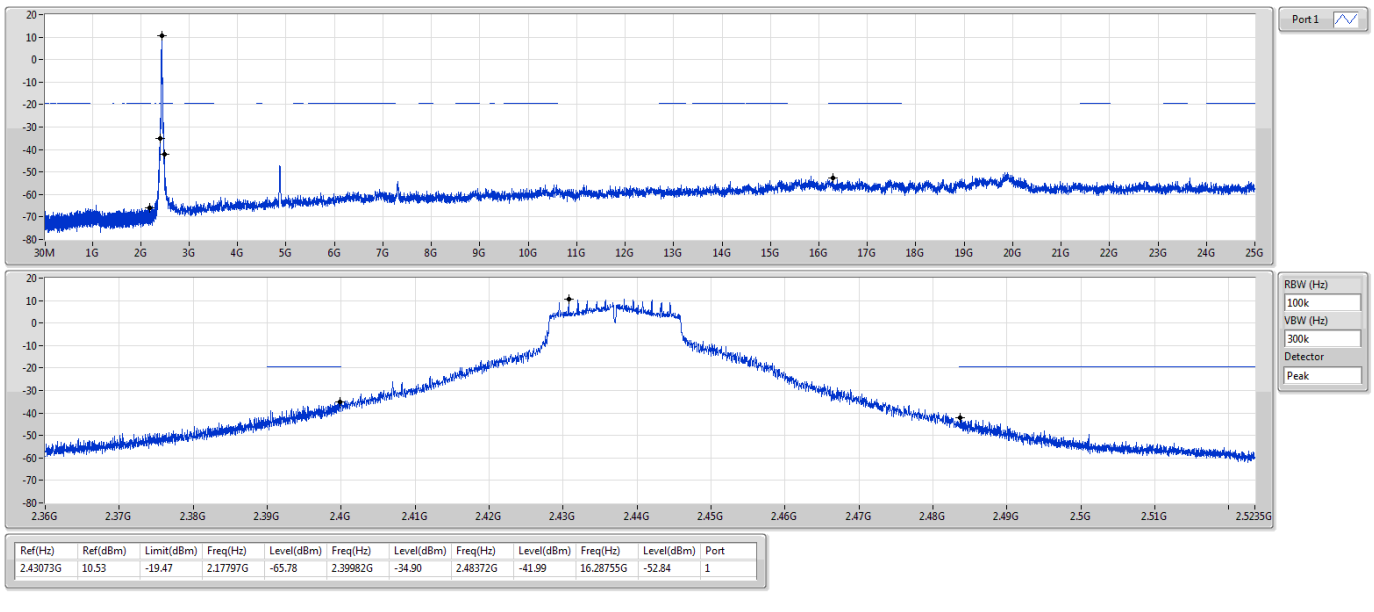
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	10.53	-19.47	2.3035G	-65.45	2.39952G	-25.33	2.49086G	-56.74	7.23514G	-51.18	1

802.11n HT20_Nss1,(MCS0)_1TX **CSE NdB**

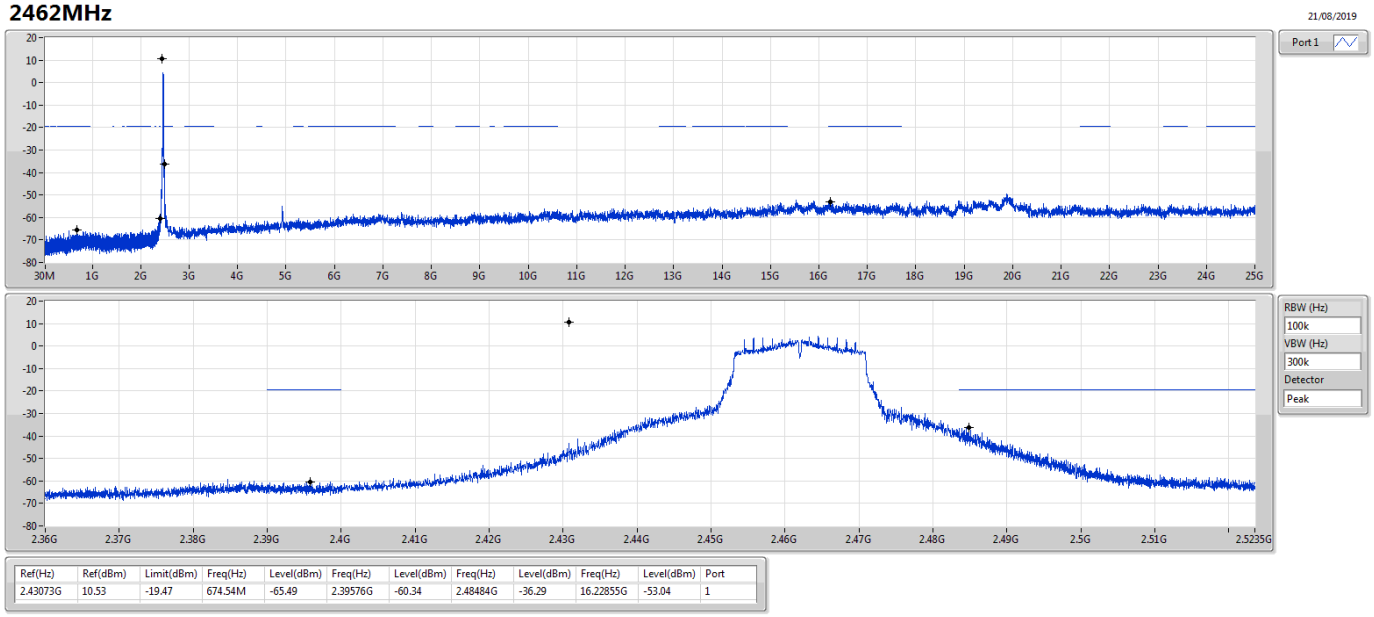
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	10.53	-19.47	2.17797G	-65.78	2.39982G	-34.90	2.48372G	-41.99	16.28755G	-52.84	1

802.11n HT20_Nss1,(MCS0)_1TX **CSE NdB**

2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	10.53	-19.47	674.54M	-65.49	2.39576G	-60.34	2.48484G	-36.29	16.22855G	-53.04	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 HT20_Nss1,(MCS0)_1TX	Pass	PK	241.46M	39.74	46.00	-6.26	3	Horizontal	360	1.00	-

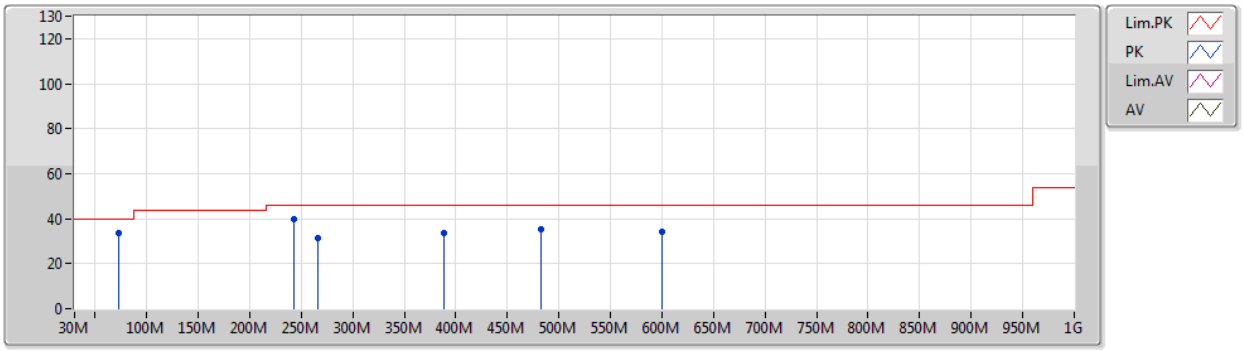
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	72.68M	33.39	40.00	-6.61	3	Vertical	0	2.00	-
2437MHz	Pass	PK	243.4M	39.69	46.00	-6.31	3	Vertical	0	2.00	-
2437MHz	Pass	PK	266.68M	31.62	46.00	-14.38	3	Vertical	0	2.00	-
2437MHz	Pass	PK	388.9M	33.41	46.00	-12.59	3	Vertical	0	2.00	-
2437MHz	Pass	PK	482.02M	35.24	46.00	-10.76	3	Vertical	0	2.00	-
2437MHz	Pass	PK	600.36M	34.31	46.00	-11.69	3	Vertical	0	2.00	-
2437MHz	Pass	PK	74.62M	31.93	40.00	-8.07	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	204.6M	34.15	43.50	-9.35	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	241.46M	39.74	46.00	-6.26	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	437.4M	33.74	46.00	-12.26	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	482.02M	38.28	46.00	-7.72	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	600.36M	31.75	46.00	-14.25	3	Horizontal	360	1.00	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_Adapter

20/08/2019

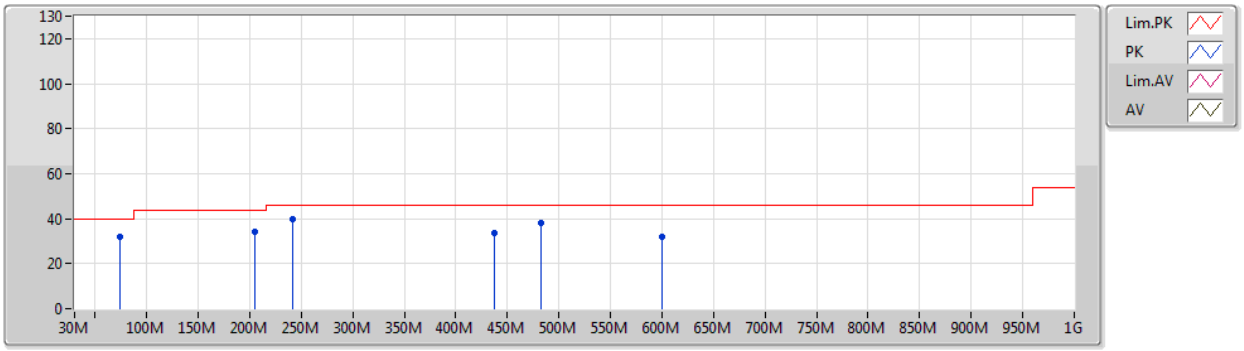


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	72.68M	33.39	40.00	-6.61	-24.72	3	Vertical	0	2.00	-	58.11	11.58	0.69	36.99
PK	243.4M	39.69	46.00	-6.31	-18.09	3	Vertical	0	2.00	-	57.78	17.04	1.28	36.41
PK	266.68M	31.62	46.00	-14.38	-16.09	3	Vertical	0	2.00	-	47.71	19.01	1.34	36.44
PK	388.9M	33.41	46.00	-12.59	-14.29	3	Vertical	0	2.00	-	47.70	20.68	1.65	36.62
PK	482.02M	35.24	46.00	-10.76	-12.08	3	Vertical	0	2.00	-	47.32	22.93	1.86	36.87
PK	600.36M	34.31	46.00	-11.69	-10.43	3	Vertical	0	2.00	-	44.74	24.70	2.09	37.22

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_Adapter

20/08/2019



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	31.93	40.00	-8.07	-24.56	3	Horizontal	360	1.00	-	56.49	11.71	0.70	36.97
PK	204.6M	34.15	43.50	-9.35	-20.95	3	Horizontal	360	1.00	-	55.10	14.22	1.19	36.36
PK	241.46M	39.74	46.00	-6.26	-18.38	3	Horizontal	360	1.00	-	58.12	16.76	1.27	36.41
PK	437.4M	33.74	46.00	-12.26	-12.81	3	Horizontal	360	1.00	-	46.55	22.14	1.79	36.74
PK	482.02M	38.28	46.00	-7.72	-12.08	3	Horizontal	360	1.00	-	50.36	22.93	1.86	36.87
PK	600.36M	31.75	46.00	-14.25	-10.43	3	Horizontal	360	1.00	-	42.18	24.70	2.09	37.22

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	2.3876G	53.08	54.00	-0.92	3	Vertical	305	2.68	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.4835G	53.93	54.00	-0.07	3	Vertical	300	3.00	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	2.3898G	53.76	54.00	-0.24	3	Vertical	66	1.00	-

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	2.3876G	53.08	54.00	-0.92	3	Vertical	305	2.68	-
2412MHz	Pass	AV	2.4102G	104.46	Inf	-Inf	3	Vertical	305	2.68	-
2412MHz	Pass	PK	2.39G	61.67	74.00	-12.33	3	Vertical	305	2.68	-
2412MHz	Pass	PK	2.4112G	106.65	Inf	-Inf	3	Vertical	305	2.68	-
2412MHz	Pass	AV	2.3876G	49.94	54.00	-4.06	3	Horizontal	35	1.15	-
2412MHz	Pass	AV	2.4102G	99.14	Inf	-Inf	3	Horizontal	35	1.15	-
2412MHz	Pass	PK	2.3882G	60.47	74.00	-13.53	3	Horizontal	35	1.15	-
2412MHz	Pass	PK	2.4112G	101.35	Inf	-Inf	3	Horizontal	35	1.15	-
2412MHz	Pass	AV	4.82392G	34.18	54.00	-19.82	3	Vertical	186	2.70	-
2412MHz	Pass	PK	4.82385G	47.94	74.00	-26.06	3	Vertical	186	2.70	-
2412MHz	Pass	AV	4.82396G	34.32	54.00	-19.68	3	Horizontal	22	2.94	-
2412MHz	Pass	PK	4.82431G	47.11	74.00	-26.89	3	Horizontal	22	2.94	-
2417MHz	Pass	AV	2.39G	52.35	54.00	-1.65	3	Vertical	218	2.19	-
2417MHz	Pass	AV	2.4152G	102.66	Inf	-Inf	3	Vertical	218	2.19	-
2417MHz	Pass	PK	2.3892G	61.25	74.00	-12.75	3	Vertical	218	2.19	-
2417MHz	Pass	PK	2.416G	104.75	Inf	-Inf	3	Vertical	218	2.19	-
2417MHz	Pass	AV	2.39G	52.97	54.00	-1.03	3	Horizontal	13	1.33	-
2417MHz	Pass	AV	2.4152G	100.46	Inf	-Inf	3	Horizontal	13	1.33	-
2417MHz	Pass	PK	2.39G	60.92	74.00	-13.08	3	Horizontal	13	1.33	-
2417MHz	Pass	PK	2.4162G	102.53	Inf	-Inf	3	Horizontal	13	1.33	-
2437MHz	Pass	AV	2.3898G	52.71	54.00	-1.29	3	Vertical	302	3.20	-
2437MHz	Pass	AV	2.4354G	107.18	Inf	-Inf	3	Vertical	302	3.20	-
2437MHz	Pass	AV	2.4838G	50.54	54.00	-3.46	3	Vertical	302	3.20	-
2437MHz	Pass	PK	2.3894G	61.84	74.00	-12.16	3	Vertical	302	3.20	-
2437MHz	Pass	PK	2.4342G	109.20	Inf	-Inf	3	Vertical	302	3.20	-
2437MHz	Pass	PK	2.4854G	60.43	74.00	-13.57	3	Vertical	302	3.20	-
2437MHz	Pass	AV	2.389G	48.87	54.00	-5.13	3	Horizontal	32	1.10	-
2437MHz	Pass	AV	2.4354G	101.38	Inf	-Inf	3	Horizontal	32	1.10	-
2437MHz	Pass	AV	2.4835G	47.10	54.00	-6.90	3	Horizontal	32	1.10	-
2437MHz	Pass	PK	2.3522G	59.73	74.00	-14.27	3	Horizontal	32	1.10	-
2437MHz	Pass	PK	2.4342G	103.49	Inf	-Inf	3	Horizontal	32	1.10	-
2437MHz	Pass	PK	2.4842G	59.15	74.00	-14.85	3	Horizontal	32	1.10	-
2437MHz	Pass	AV	4.87402G	39.41	54.00	-14.59	3	Vertical	346	2.74	-
2437MHz	Pass	AV	7.3086G	46.91	54.00	-7.09	3	Vertical	201	2.24	-
2437MHz	Pass	PK	4.87397G	48.46	74.00	-25.54	3	Vertical	346	2.74	-
2437MHz	Pass	PK	7.31376G	55.88	74.00	-18.12	3	Vertical	201	2.24	-
2437MHz	Pass	AV	4.87401G	37.80	54.00	-16.20	3	Horizontal	163	1.00	-
2437MHz	Pass	AV	7.30872G	46.88	54.00	-7.12	3	Horizontal	2	2.55	-
2437MHz	Pass	PK	4.87388G	48.43	74.00	-25.57	3	Horizontal	163	1.00	-
2437MHz	Pass	PK	7.3104G	55.59	74.00	-18.41	3	Horizontal	2	2.55	-
2457MHz	Pass	AV	2.4552G	99.64	Inf	-Inf	3	Vertical	50	1.24	-
2457MHz	Pass	AV	2.4835G	51.26	54.00	-2.74	3	Vertical	50	1.24	-
2457MHz	Pass	PK	2.456G	101.83	Inf	-Inf	3	Vertical	50	1.24	-
2457MHz	Pass	PK	2.4836G	60.05	74.00	-13.95	3	Vertical	50	1.24	-
2457MHz	Pass	AV	2.4552G	97.19	Inf	-Inf	3	Horizontal	349	1.48	-
2457MHz	Pass	AV	2.4835G	48.64	54.00	-5.36	3	Horizontal	349	1.48	-
2457MHz	Pass	PK	2.456G	99.38	Inf	-Inf	3	Horizontal	349	1.48	-

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
2457MHz	Pass	PK	2.4986G	59.48	74.00	-14.52	3	Horizontal	349	1.48	-
2462MHz	Pass	AV	2.4612G	101.23	Inf	-Inf	3	Vertical	297	2.20	-
2462MHz	Pass	AV	2.4835G	53.06	54.00	-0.94	3	Vertical	297	2.20	-
2462MHz	Pass	PK	2.461G	103.56	Inf	-Inf	3	Vertical	297	2.20	-
2462MHz	Pass	PK	2.4835G	61.34	74.00	-12.66	3	Vertical	297	2.20	-
2462MHz	Pass	AV	2.4612G	96.57	Inf	-Inf	3	Horizontal	180	1.00	-
2462MHz	Pass	AV	2.4835G	49.02	54.00	-4.98	3	Horizontal	180	1.00	-
2462MHz	Pass	PK	2.4612G	98.94	Inf	-Inf	3	Horizontal	180	1.00	-
2462MHz	Pass	PK	2.4926G	60.02	74.00	-13.98	3	Horizontal	180	1.00	-
2462MHz	Pass	AV	4.924G	36.63	54.00	-17.37	3	Vertical	182	1.00	-
2462MHz	Pass	AV	7.38526G	48.39	54.00	-5.61	3	Vertical	287	1.00	-
2462MHz	Pass	PK	4.92455G	48.99	74.00	-25.01	3	Vertical	182	1.00	-
2462MHz	Pass	PK	7.3875G	56.63	74.00	-17.37	3	Vertical	287	1.00	-
2462MHz	Pass	AV	4.924G	37.75	54.00	-16.25	3	Horizontal	23	1.18	-
2462MHz	Pass	AV	7.38522G	47.31	54.00	-6.69	3	Horizontal	185	1.08	-
2462MHz	Pass	PK	4.92426G	48.52	74.00	-25.48	3	Horizontal	23	1.18	-
2462MHz	Pass	PK	7.3869G	55.84	74.00	-18.16	3	Horizontal	185	1.08	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.18	54.00	-0.82	3	Vertical	253	1.98	-
2412MHz	Pass	AV	2.4114G	93.32	Inf	-Inf	3	Vertical	253	1.98	-
2412MHz	Pass	PK	2.3896G	70.28	74.00	-3.72	3	Vertical	253	1.98	-
2412MHz	Pass	PK	2.4126G	102.13	Inf	-Inf	3	Vertical	253	1.98	-
2412MHz	Pass	AV	2.3898G	52.93	54.00	-1.07	3	Horizontal	34	1.16	-
2412MHz	Pass	AV	2.4112G	92.48	Inf	-Inf	3	Horizontal	34	1.16	-
2412MHz	Pass	PK	2.3896G	69.54	74.00	-4.46	3	Horizontal	34	1.16	-
2412MHz	Pass	PK	2.4126G	101.36	Inf	-Inf	3	Horizontal	34	1.16	-
2412MHz	Pass	AV	4.82241G	33.75	54.00	-20.25	3	Vertical	224	1.40	-
2412MHz	Pass	PK	4.8226G	47.07	74.00	-26.93	3	Vertical	224	1.40	-
2412MHz	Pass	AV	4.82151G	34.07	54.00	-19.93	3	Horizontal	307	1.50	-
2412MHz	Pass	PK	4.82338G	46.39	74.00	-27.61	3	Horizontal	307	1.50	-
2417MHz	Pass	AV	2.3898G	53.52	54.00	-0.48	3	Vertical	66	1.01	-
2417MHz	Pass	AV	2.4164G	95.37	Inf	-Inf	3	Vertical	66	1.01	-
2417MHz	Pass	PK	2.39G	66.20	74.00	-7.80	3	Vertical	66	1.01	-
2417MHz	Pass	PK	2.4176G	103.93	Inf	-Inf	3	Vertical	66	1.01	-
2417MHz	Pass	AV	2.39G	53.26	54.00	-0.74	3	Horizontal	16	1.32	-
2417MHz	Pass	AV	2.4164G	94.52	Inf	-Inf	3	Horizontal	16	1.32	-
2417MHz	Pass	PK	2.39G	66.30	74.00	-7.70	3	Horizontal	16	1.32	-
2417MHz	Pass	PK	2.4176G	103.16	Inf	-Inf	3	Horizontal	16	1.32	-
2437MHz	Pass	AV	2.3898G	53.65	54.00	-0.35	3	Vertical	300	3.00	-
2437MHz	Pass	AV	2.4366G	103.36	Inf	-Inf	3	Vertical	300	3.00	-
2437MHz	Pass	AV	2.4835G	53.93	54.00	-0.07	3	Vertical	300	3.00	-
2437MHz	Pass	PK	2.3894G	68.80	74.00	-5.20	3	Vertical	300	3.00	-
2437MHz	Pass	PK	2.4362G	112.03	Inf	-Inf	3	Vertical	300	3.00	-
2437MHz	Pass	PK	2.4838G	73.50	74.00	-0.50	3	Vertical	300	3.00	-
2437MHz	Pass	AV	2.3898G	49.46	54.00	-4.54	3	Horizontal	32	1.31	-
2437MHz	Pass	AV	2.4366G	97.43	Inf	-Inf	3	Horizontal	32	1.31	-
2437MHz	Pass	AV	2.4838G	49.07	54.00	-4.93	3	Horizontal	32	1.31	-
2437MHz	Pass	PK	2.3886G	64.49	74.00	-9.51	3	Horizontal	32	1.31	-
2437MHz	Pass	PK	2.4362G	106.15	Inf	-Inf	3	Horizontal	32	1.31	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	2.4838G	66.19	74.00	-7.81	3	Horizontal	32	1.31	-
2437MHz	Pass	AV	4.88528G	33.87	54.00	-20.13	3	Vertical	332	2.23	-
2437MHz	Pass	AV	7.3097G	43.25	54.00	-10.75	3	Vertical	189	2.61	-
2437MHz	Pass	PK	4.88738G	46.72	74.00	-27.28	3	Vertical	332	2.23	-
2437MHz	Pass	PK	7.31262G	56.53	74.00	-17.47	3	Vertical	189	2.61	-
2437MHz	Pass	AV	4.88612G	33.85	54.00	-20.15	3	Horizontal	205	1.50	-
2437MHz	Pass	AV	7.31274G	43.57	54.00	-10.43	3	Horizontal	357	2.53	-
2437MHz	Pass	PK	4.86458G	46.39	74.00	-27.61	3	Horizontal	205	1.50	-
2437MHz	Pass	PK	7.30932G	56.68	74.00	-17.32	3	Horizontal	357	2.53	-
2457MHz	Pass	AV	2.4564G	95.76	Inf	-Inf	3	Vertical	54	1.06	-
2457MHz	Pass	AV	2.4835G	52.96	54.00	-1.04	3	Vertical	54	1.06	-
2457MHz	Pass	PK	2.4576G	104.51	Inf	-Inf	3	Vertical	54	1.06	-
2457MHz	Pass	PK	2.4836G	68.71	74.00	-5.29	3	Vertical	54	1.06	-
2457MHz	Pass	AV	2.4564G	93.09	Inf	-Inf	3	Horizontal	11	1.50	-
2457MHz	Pass	AV	2.4835G	51.08	54.00	-2.92	3	Horizontal	11	1.50	-
2457MHz	Pass	PK	2.4552G	101.72	Inf	-Inf	3	Horizontal	11	1.50	-
2457MHz	Pass	PK	2.4844G	65.77	74.00	-8.23	3	Horizontal	11	1.50	-
2462MHz	Pass	AV	2.4612G	95.09	Inf	-Inf	3	Vertical	329	2.03	-
2462MHz	Pass	AV	2.4835G	53.50	54.00	-0.50	3	Vertical	329	2.03	-
2462MHz	Pass	PK	2.4626G	104.03	Inf	-Inf	3	Vertical	329	2.03	-
2462MHz	Pass	PK	2.484G	67.49	74.00	-6.51	3	Vertical	329	2.03	-
2462MHz	Pass	AV	2.4614G	92.59	Inf	-Inf	3	Horizontal	32	1.60	-
2462MHz	Pass	AV	2.4836G	51.23	54.00	-2.77	3	Horizontal	32	1.60	-
2462MHz	Pass	PK	2.4626G	101.48	Inf	-Inf	3	Horizontal	32	1.60	-
2462MHz	Pass	PK	2.4842G	64.90	74.00	-9.10	3	Horizontal	32	1.60	-
2462MHz	Pass	AV	4.93216G	34.25	54.00	-19.75	3	Vertical	104	1.50	-
2462MHz	Pass	AV	7.3833G	42.43	54.00	-11.57	3	Vertical	314	2.79	-
2462MHz	Pass	PK	4.93084G	46.89	74.00	-27.11	3	Vertical	104	1.50	-
2462MHz	Pass	PK	7.38534G	55.54	74.00	-18.46	3	Vertical	314	2.79	-
2462MHz	Pass	AV	4.93186G	34.05	54.00	-19.95	3	Horizontal	295	1.50	-
2462MHz	Pass	AV	7.38576G	42.75	54.00	-11.25	3	Horizontal	1	2.40	-
2462MHz	Pass	PK	4.93264G	46.87	74.00	-27.13	3	Horizontal	295	1.50	-
2462MHz	Pass	PK	7.38894G	56.54	74.00	-17.46	3	Horizontal	1	2.40	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3896G	52.05	54.00	-1.95	3	Vertical	307	2.13	-
2412MHz	Pass	AV	2.4128G	94.27	Inf	-Inf	3	Vertical	307	2.13	-
2412MHz	Pass	PK	2.39G	67.13	74.00	-6.87	3	Vertical	307	2.13	-
2412MHz	Pass	PK	2.412G	103.38	Inf	-Inf	3	Vertical	307	2.13	-
2412MHz	Pass	AV	2.39G	51.05	54.00	-2.95	3	Horizontal	36	1.15	-
2412MHz	Pass	AV	2.4126G	91.32	Inf	-Inf	3	Horizontal	36	1.15	-
2412MHz	Pass	PK	2.3884G	66.77	74.00	-7.23	3	Horizontal	36	1.15	-
2412MHz	Pass	PK	2.412G	100.95	Inf	-Inf	3	Horizontal	36	1.15	-
2412MHz	Pass	AV	4.8096G	33.47	54.00	-20.53	3	Vertical	349	1.55	-
2412MHz	Pass	PK	4.83522G	46.19	74.00	-27.81	3	Vertical	349	1.55	-
2412MHz	Pass	AV	4.83786G	33.60	54.00	-20.40	3	Horizontal	107	1.50	-
2412MHz	Pass	PK	4.81086G	46.02	74.00	-27.98	3	Horizontal	107	1.50	-
2417MHz	Pass	AV	2.3898G	53.76	54.00	-0.24	3	Vertical	66	1.00	-
2417MHz	Pass	AV	2.4164G	94.74	Inf	-Inf	3	Vertical	66	1.00	-
2417MHz	Pass	PK	2.3894G	66.46	74.00	-7.54	3	Vertical	66	1.00	-

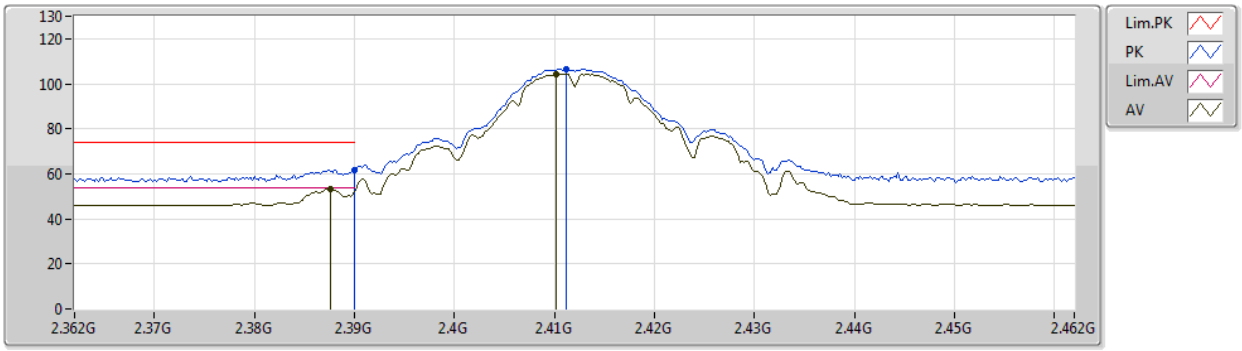
Level (dBuV/m) = Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2417MHz	Pass	PK	2.4156G	103.79	Inf	-Inf	3	Vertical	66	1.00	-
2417MHz	Pass	AV	2.3894G	53.13	54.00	-0.87	3	Horizontal	15	1.64	-
2417MHz	Pass	AV	2.4164G	93.40	Inf	-Inf	3	Horizontal	15	1.64	-
2417MHz	Pass	PK	2.3878G	66.20	74.00	-7.80	3	Horizontal	15	1.64	-
2417MHz	Pass	PK	2.4156G	102.82	Inf	-Inf	3	Horizontal	15	1.64	-
2437MHz	Pass	AV	2.3898G	49.59	54.00	-4.41	3	Vertical	329	2.03	-
2437MHz	Pass	AV	2.4366G	98.89	Inf	-Inf	3	Vertical	329	2.03	-
2437MHz	Pass	AV	2.4835G	49.03	54.00	-4.97	3	Vertical	329	2.03	-
2437MHz	Pass	PK	2.3898G	65.05	74.00	-8.95	3	Vertical	329	2.03	-
2437MHz	Pass	PK	2.4354G	108.33	Inf	-Inf	3	Vertical	329	2.03	-
2437MHz	Pass	PK	2.4858G	63.80	74.00	-10.20	3	Vertical	329	2.03	-
2437MHz	Pass	AV	2.3898G	48.72	54.00	-5.28	3	Horizontal	32	2.10	-
2437MHz	Pass	AV	2.4362G	96.98	Inf	-Inf	3	Horizontal	32	2.10	-
2437MHz	Pass	AV	2.4838G	47.98	54.00	-6.02	3	Horizontal	32	2.10	-
2437MHz	Pass	PK	2.3898G	62.91	74.00	-11.09	3	Horizontal	32	2.10	-
2437MHz	Pass	PK	2.4354G	106.25	Inf	-Inf	3	Horizontal	32	2.10	-
2437MHz	Pass	PK	2.4858G	63.20	74.00	-10.80	3	Horizontal	32	2.10	-
2437MHz	Pass	AV	4.8884G	33.68	54.00	-20.32	3	Vertical	231	1.50	-
2437MHz	Pass	AV	7.31154G	43.53	54.00	-10.47	3	Vertical	314	2.76	-
2437MHz	Pass	PK	4.88378G	46.06	74.00	-27.94	3	Vertical	231	1.50	-
2437MHz	Pass	PK	7.31118G	56.50	74.00	-17.50	3	Vertical	314	2.76	-
2437MHz	Pass	AV	4.88582G	33.74	54.00	-20.26	3	Horizontal	359	1.50	-
2437MHz	Pass	AV	7.31328G	43.55	54.00	-10.45	3	Horizontal	0	2.53	-
2437MHz	Pass	PK	4.88438G	46.94	74.00	-27.06	3	Horizontal	359	1.50	-
2437MHz	Pass	PK	7.3137G	56.27	74.00	-17.73	3	Horizontal	0	2.53	-
2457MHz	Pass	AV	2.4562G	94.39	Inf	-Inf	3	Vertical	59	1.23	-
2457MHz	Pass	AV	2.4838G	53.30	54.00	-0.70	3	Vertical	59	1.23	-
2457MHz	Pass	PK	2.4556G	103.67	Inf	-Inf	3	Vertical	59	1.23	-
2457MHz	Pass	PK	2.4835G	67.62	74.00	-6.38	3	Vertical	59	1.23	-
2457MHz	Pass	AV	2.4564G	92.21	Inf	-Inf	3	Horizontal	12	1.49	-
2457MHz	Pass	AV	2.4835G	52.03	54.00	-1.97	3	Horizontal	12	1.49	-
2457MHz	Pass	PK	2.4558G	101.57	Inf	-Inf	3	Horizontal	12	1.49	-
2457MHz	Pass	PK	2.4842G	68.34	74.00	-5.66	3	Horizontal	12	1.49	-
2462MHz	Pass	AV	2.4626G	94.80	Inf	-Inf	3	Vertical	326	2.33	-
2462MHz	Pass	AV	2.4838G	52.34	54.00	-1.66	3	Vertical	326	2.33	-
2462MHz	Pass	PK	2.4592G	104.31	Inf	-Inf	3	Vertical	326	2.33	-
2462MHz	Pass	PK	2.4835G	71.44	74.00	-2.56	3	Vertical	326	2.33	-
2462MHz	Pass	AV	2.4626G	91.08	Inf	-Inf	3	Horizontal	31	1.59	-
2462MHz	Pass	AV	2.4836G	49.33	54.00	-4.67	3	Horizontal	31	1.59	-
2462MHz	Pass	PK	2.4598G	101.14	Inf	-Inf	3	Horizontal	31	1.59	-
2462MHz	Pass	PK	2.4848G	65.25	74.00	-8.75	3	Horizontal	31	1.59	-
2462MHz	Pass	AV	4.93414G	34.13	54.00	-19.87	3	Vertical	1	1.50	-
2462MHz	Pass	AV	7.38252G	40.98	54.00	-13.02	3	Vertical	189	2.50	-
2462MHz	Pass	PK	4.92418G	46.60	74.00	-27.40	3	Vertical	1	1.50	-
2462MHz	Pass	PK	7.38222G	54.25	74.00	-19.75	3	Vertical	189	2.50	-
2462MHz	Pass	AV	4.92922G	34.21	54.00	-19.79	3	Horizontal	20	2.52	-
2462MHz	Pass	AV	7.38612G	40.99	54.00	-13.01	3	Horizontal	3	2.45	-
2462MHz	Pass	PK	4.93882G	46.84	74.00	-27.16	3	Horizontal	20	2.52	-
2462MHz	Pass	PK	7.3836G	53.80	74.00	-20.20	3	Horizontal	3	2.45	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

17/08/2019

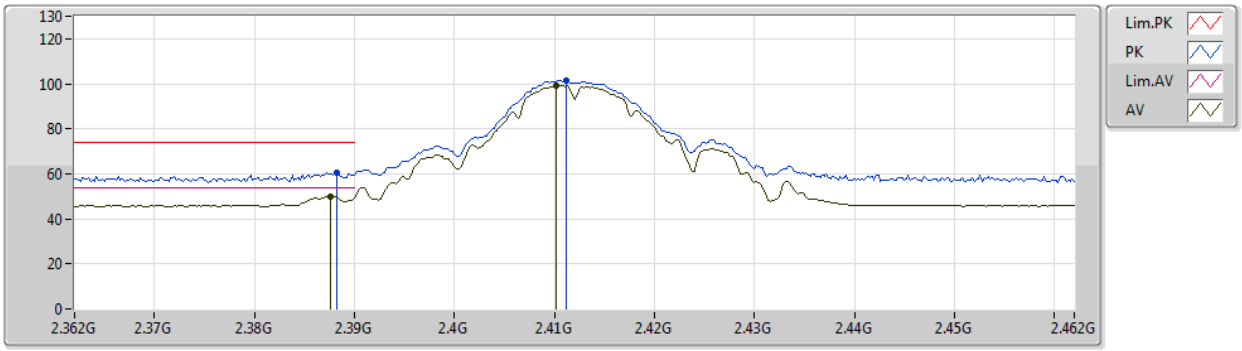


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3876G	53.08	54.00	-0.92	33.76	3	Vertical	305	2.68	-	19.32	27.65	6.11	-
AV	2.4102G	104.46	Inf	-Inf	33.71	3	Vertical	305	2.68	-	70.75	27.59	6.12	-
PK	2.39G	61.67	74.00	-12.33	33.75	3	Vertical	305	2.68	-	27.92	27.64	6.11	-
PK	2.4112G	106.65	Inf	-Inf	33.71	3	Vertical	305	2.68	-	72.94	27.59	6.12	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

17/08/2019

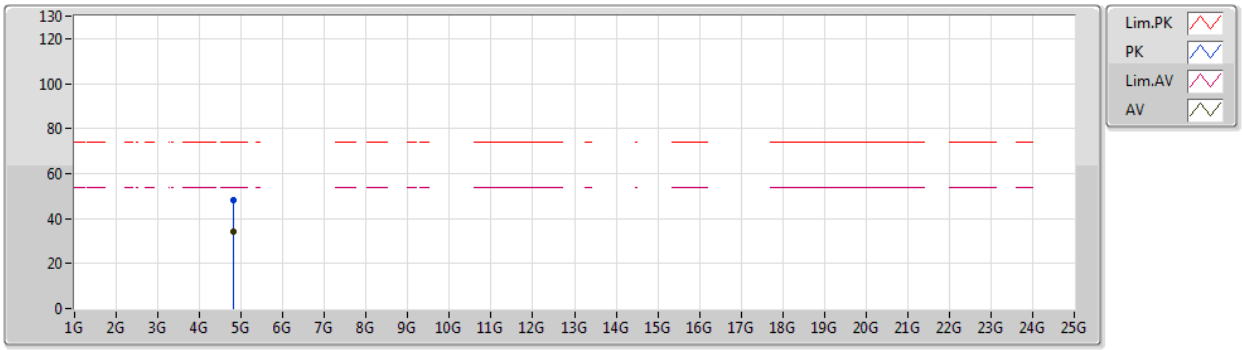


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3876G	49.94	54.00	-4.06	33.76	3	Horizontal	35	1.15	-	16.18	27.65	6.11	-
AV	2.4102G	99.14	Inf	-Inf	33.71	3	Horizontal	35	1.15	-	65.43	27.59	6.12	-
PK	2.3882G	60.47	74.00	-13.53	33.76	3	Horizontal	35	1.15	-	26.71	27.65	6.11	-
PK	2.4112G	101.35	Inf	-Inf	33.71	3	Horizontal	35	1.15	-	67.64	27.59	6.12	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

17/08/2019

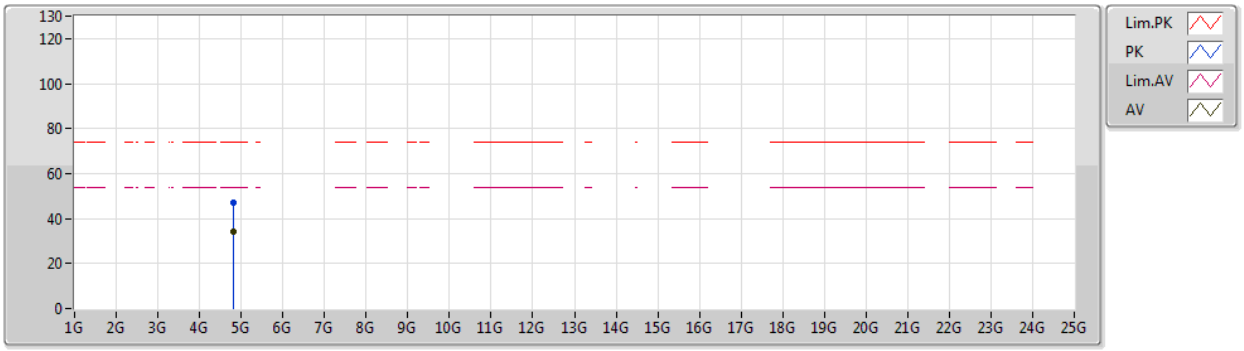


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82392G	34.18	54.00	-19.82	5.73	3	Vertical	186	2.70	-	28.45	31.10	8.92	34.29
PK	4.82385G	47.94	74.00	-26.06	5.73	3	Vertical	186	2.70	-	42.21	31.10	8.92	34.29

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

17/08/2019

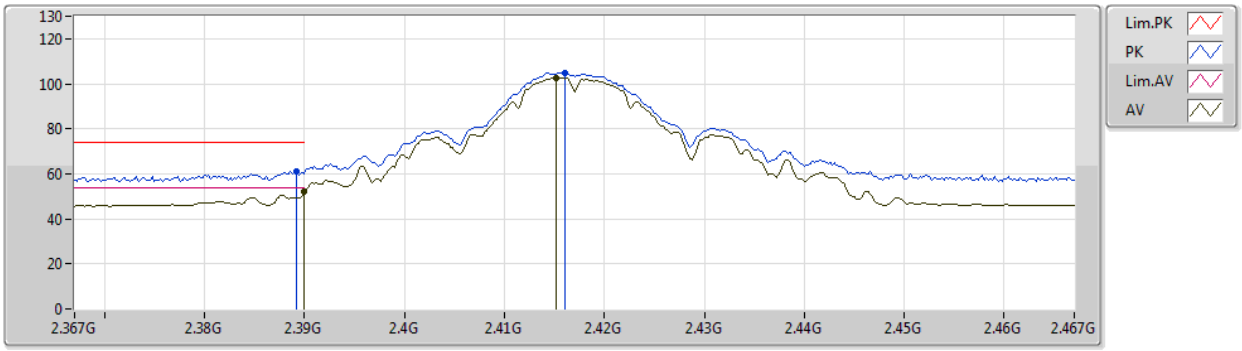


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82396G	34.32	54.00	-19.68	5.73	3	Horizontal	22	2.94	-	28.59	31.10	8.92	34.29
PK	4.82431G	47.11	74.00	-26.89	5.73	3	Horizontal	22	2.94	-	41.38	31.10	8.92	34.29

802.11b_Nss1,(1Mbps)_1TX

2417MHz_TX

18/08/2019

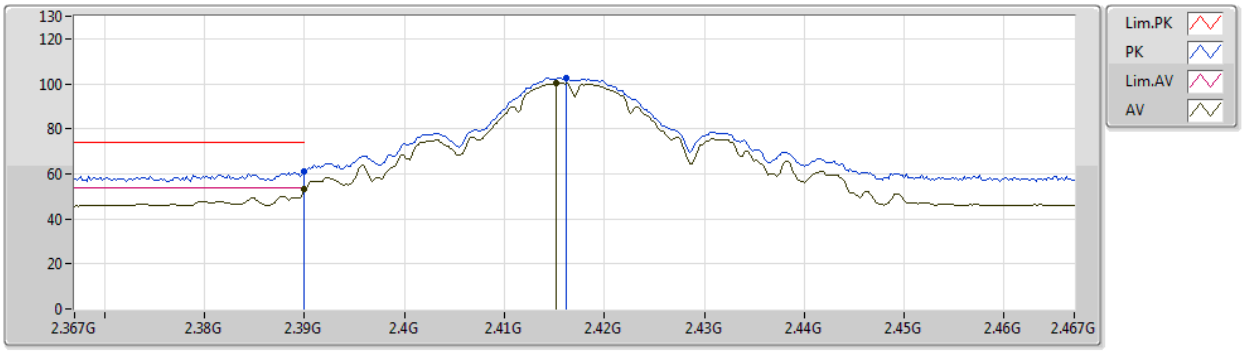


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	52.35	54.00	-1.65	33.75	3	Vertical	218	2.19	-	18.60	27.64	6.11	-
AV	2.4152G	102.66	Inf	-Inf	33.70	3	Vertical	218	2.19	-	68.96	27.58	6.12	-
PK	2.3892G	61.25	74.00	-12.75	33.75	3	Vertical	218	2.19	-	27.50	27.64	6.11	-
PK	2.416G	104.75	Inf	-Inf	33.70	3	Vertical	218	2.19	-	71.05	27.58	6.12	-

802.11b_Nss1,(1Mbps)_1TX

2417MHz_TX

18/08/2019

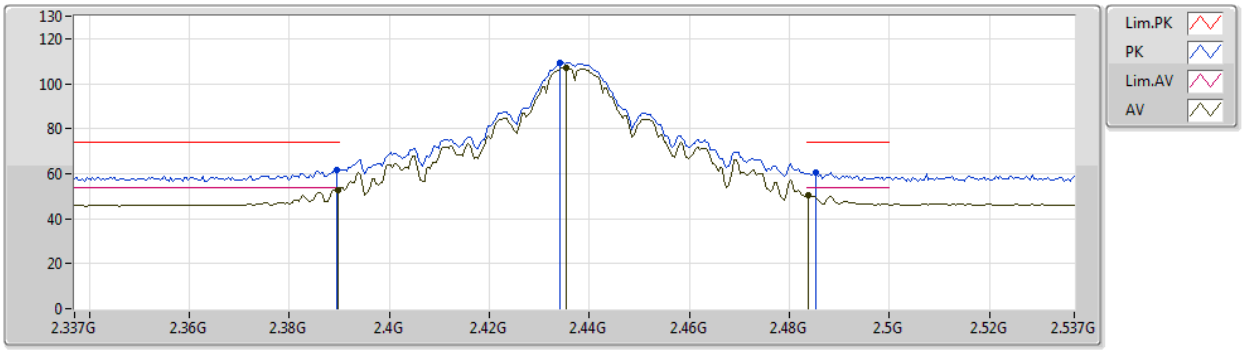


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	52.97	54.00	-1.03	33.75	3	Horizontal	13	1.33	-	19.22	27.64	6.11	-
AV	2.4152G	100.46	Inf	-Inf	33.70	3	Horizontal	13	1.33	-	66.76	27.58	6.12	-
PK	2.39G	60.92	74.00	-13.08	33.75	3	Horizontal	13	1.33	-	27.17	27.64	6.11	-
PK	2.4162G	102.53	Inf	-Inf	33.70	3	Horizontal	13	1.33	-	68.83	27.58	6.12	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

16/08/2019

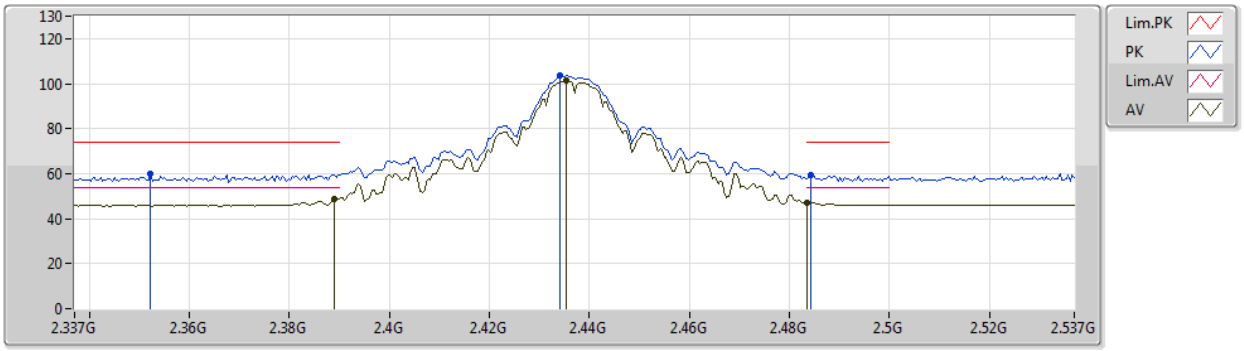


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	52.71	54.00	-1.29	33.75	3	Vertical	302	3.20	-	18.96	27.64	6.11	-
AV	2.4354G	107.18	Inf	-Inf	33.69	3	Vertical	302	3.20	-	73.49	27.56	6.13	-
AV	2.4838G	50.54	54.00	-3.46	33.67	3	Vertical	302	3.20	-	16.87	27.52	6.15	-
PK	2.3894G	61.84	74.00	-12.16	33.75	3	Vertical	302	3.20	-	28.09	27.64	6.11	-
PK	2.4342G	109.20	Inf	-Inf	33.70	3	Vertical	302	3.20	-	75.50	27.57	6.13	-
PK	2.4854G	60.43	74.00	-13.57	33.66	3	Vertical	302	3.20	-	26.77	27.51	6.15	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

16/08/2019

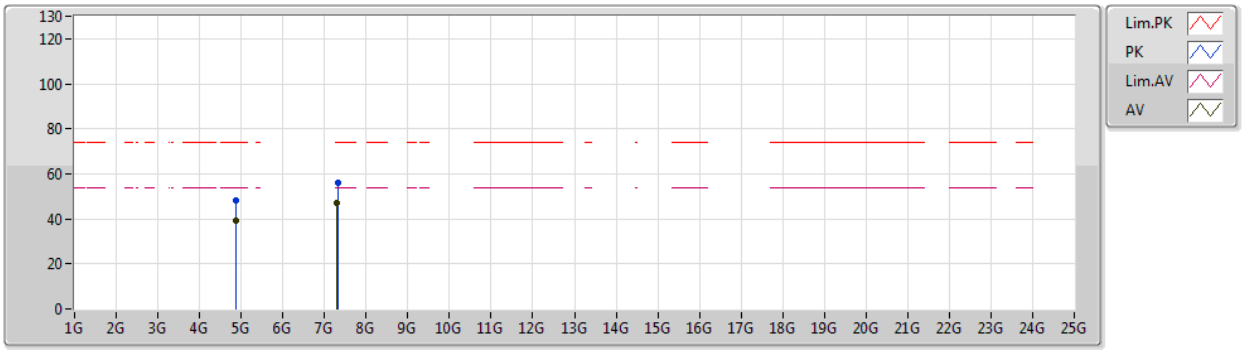


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389G	48.87	54.00	-5.13	33.75	3	Horizontal	32	1.10	-	15.12	27.64	6.11	-
AV	2.4354G	101.38	Inf	-Inf	33.69	3	Horizontal	32	1.10	-	67.69	27.56	6.13	-
AV	2.4835G	47.10	54.00	-6.90	33.67	3	Horizontal	32	1.10	-	13.43	27.52	6.15	-
PK	2.3522G	59.73	74.00	-14.27	33.91	3	Horizontal	32	1.10	-	25.82	27.79	6.12	-
PK	2.4342G	103.49	Inf	-Inf	33.70	3	Horizontal	32	1.10	-	69.79	27.57	6.13	-
PK	2.4842G	59.15	74.00	-14.85	33.67	3	Horizontal	32	1.10	-	25.48	27.52	6.15	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

16/08/2019

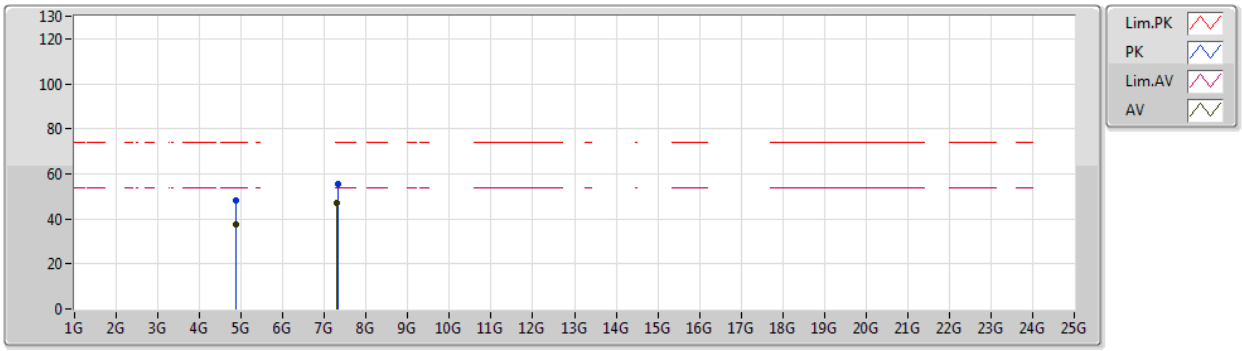


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87402G	39.41	54.00	-14.59	5.78	3	Vertical	346	2.74	-	33.63	31.10	8.96	34.28
AV	7.3086G	46.91	54.00	-7.09	11.98	3	Vertical	201	2.24	-	34.93	36.29	10.28	34.59
PK	4.87397G	48.46	74.00	-25.54	5.78	3	Vertical	346	2.74	-	42.68	31.10	8.96	34.28
PK	7.31376G	55.88	74.00	-18.12	11.98	3	Vertical	201	2.24	-	43.90	36.29	10.28	34.59

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

16/08/2019

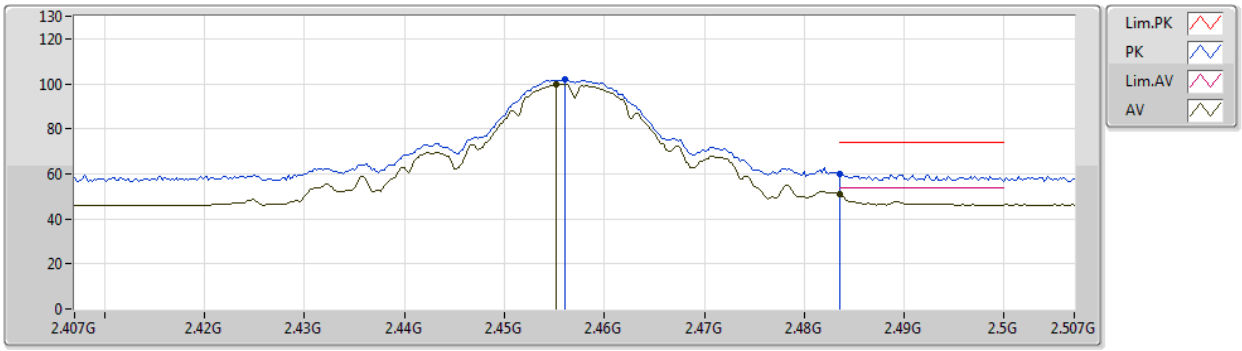


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87401G	37.80	54.00	-16.20	5.78	3	Horizontal	163	1.00	-	32.02	31.10	8.96	34.28
AV	7.30872G	46.88	54.00	-7.12	11.98	3	Horizontal	2	2.55	-	34.90	36.29	10.28	34.59
PK	4.87388G	48.43	74.00	-25.57	5.78	3	Horizontal	163	1.00	-	42.65	31.10	8.96	34.28
PK	7.3104G	55.59	74.00	-18.41	11.98	3	Horizontal	2	2.55	-	43.61	36.29	10.28	34.59

802.11b_Nss1,(1Mbps)_1TX

2457MHz_TX

18/08/2019

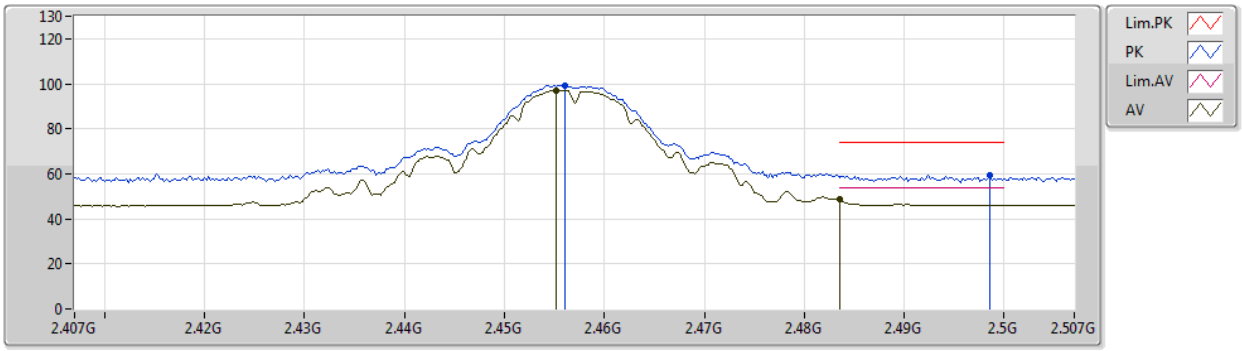


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4552G	99.64	Inf	-Inf	33.68	3	Vertical	50	1.24	-	65.96	27.54	6.14	-
AV	2.4835G	51.26	54.00	-2.74	33.67	3	Vertical	50	1.24	-	17.59	27.52	6.15	-
PK	2.456G	101.83	Inf	-Inf	33.68	3	Vertical	50	1.24	-	68.15	27.54	6.14	-
PK	2.4836G	60.05	74.00	-13.95	33.67	3	Vertical	50	1.24	-	26.38	27.52	6.15	-

802.11b_Nss1,(1Mbps)_1TX

2457MHz_TX

18/08/2019

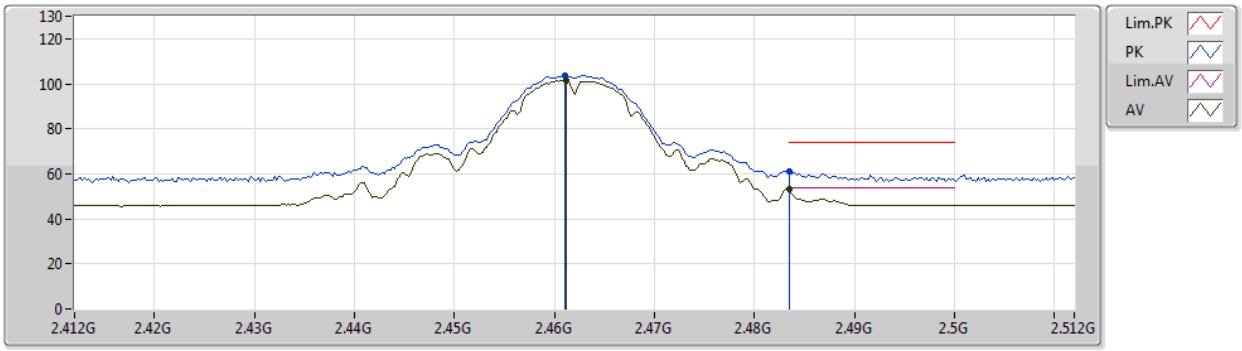


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4552G	97.19	Inf	-Inf	33.68	3	Horizontal	349	1.48	-	63.51	27.54	6.14	-
AV	2.4835G	48.64	54.00	-5.36	33.67	3	Horizontal	349	1.48	-	14.97	27.52	6.15	-
PK	2.456G	99.38	Inf	-Inf	33.68	3	Horizontal	349	1.48	-	65.70	27.54	6.14	-
PK	2.4986G	59.48	74.00	-14.52	33.65	3	Horizontal	349	1.48	-	25.83	27.50	6.15	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

16/08/2019

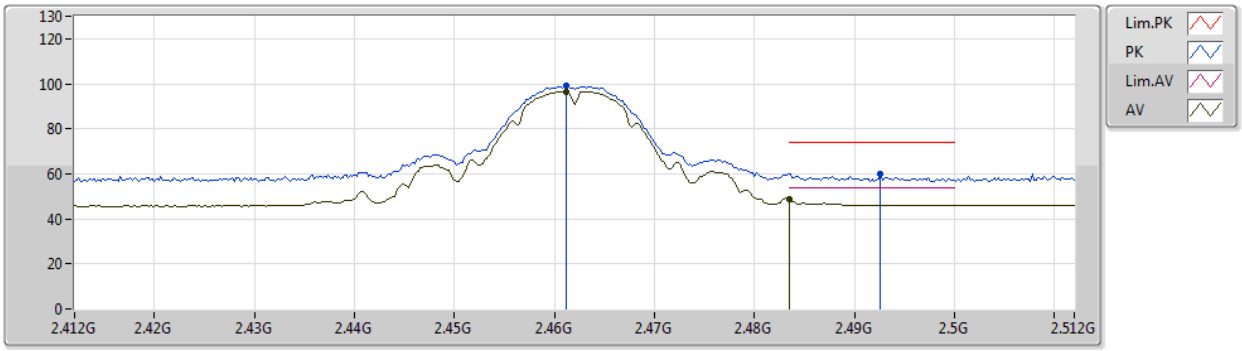


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4612G	101.23	Inf	-Inf	33.68	3	Vertical	297	2.20	-	67.55	27.54	6.14	-
AV	2.4835G	53.06	54.00	-0.94	33.67	3	Vertical	297	2.20	-	19.39	27.52	6.15	-
PK	2.461G	103.56	Inf	-Inf	33.68	3	Vertical	297	2.20	-	69.88	27.54	6.14	-
PK	2.4835G	61.34	74.00	-12.66	33.67	3	Vertical	297	2.20	-	27.67	27.52	6.15	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

16/08/2019

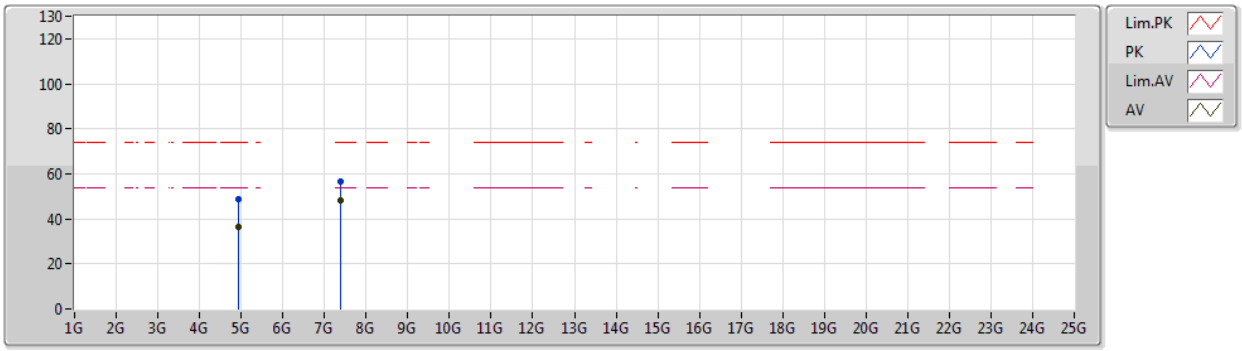


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4612G	96.57	Inf	-Inf	33.68	3	Horizontal	180	1.00	-	62.89	27.54	6.14	-
AV	2.4835G	49.02	54.00	-4.98	33.67	3	Horizontal	180	1.00	-	15.35	27.52	6.15	-
PK	2.4612G	98.94	Inf	-Inf	33.68	3	Horizontal	180	1.00	-	65.26	27.54	6.14	-
PK	2.4926G	60.02	74.00	-13.98	33.66	3	Horizontal	180	1.00	-	26.36	27.51	6.15	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

16/08/2019

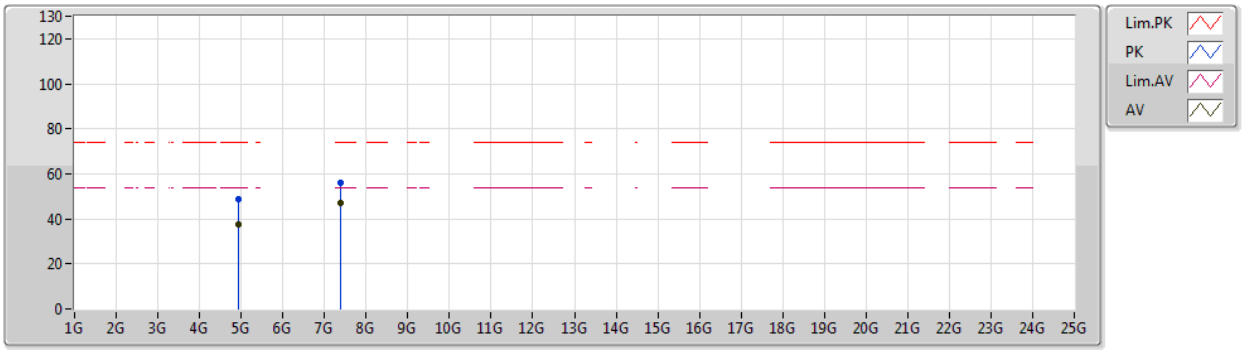


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.924G	36.63	54.00	-17.37	5.98	3	Vertical	182	1.00	-	30.65	31.20	9.00	34.22
AV	7.38526G	48.39	54.00	-5.61	11.94	3	Vertical	287	1.00	-	36.45	36.21	10.32	34.59
PK	4.92455G	48.99	74.00	-25.01	5.98	3	Vertical	182	1.00	-	43.01	31.20	9.00	34.22
PK	7.3875G	56.63	74.00	-17.37	11.94	3	Vertical	287	1.00	-	44.69	36.21	10.32	34.59

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

16/08/2019

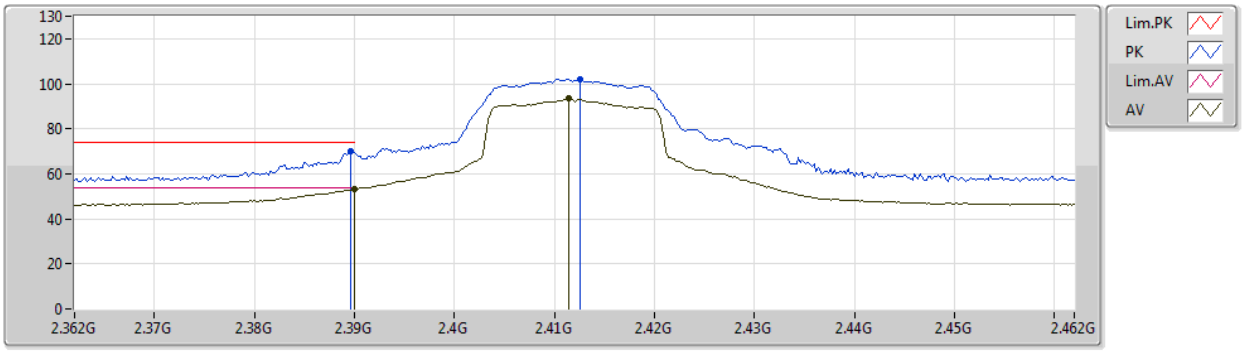


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.924G	37.75	54.00	-16.25	5.98	3	Horizontal	23	1.18	-	31.77	31.20	9.00	34.22
AV	7.38522G	47.31	54.00	-6.69	11.94	3	Horizontal	185	1.08	-	35.37	36.21	10.32	34.59
PK	4.92426G	48.52	74.00	-25.48	5.98	3	Horizontal	23	1.18	-	42.54	31.20	9.00	34.22
PK	7.3869G	55.84	74.00	-18.16	11.94	3	Horizontal	185	1.08	-	43.90	36.21	10.32	34.59

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

16/08/2019

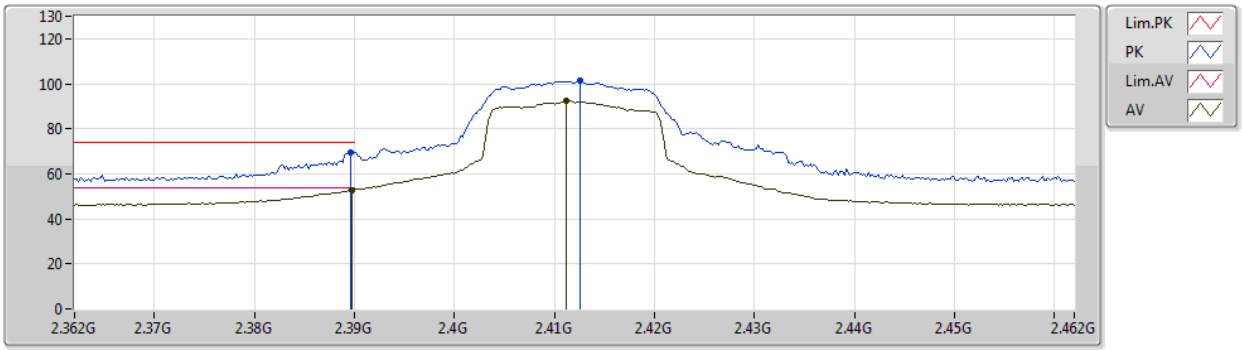


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.18	54.00	-0.82	33.75	3	Vertical	253	1.98	-	19.43	27.64	6.11	-
AV	2.4114G	93.32	Inf	-Inf	33.71	3	Vertical	253	1.98	-	59.61	27.59	6.12	-
PK	2.3896G	70.28	74.00	-3.72	33.75	3	Vertical	253	1.98	-	36.53	27.64	6.11	-
PK	2.4126G	102.13	Inf	-Inf	33.71	3	Vertical	253	1.98	-	68.42	27.59	6.12	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

16/08/2019

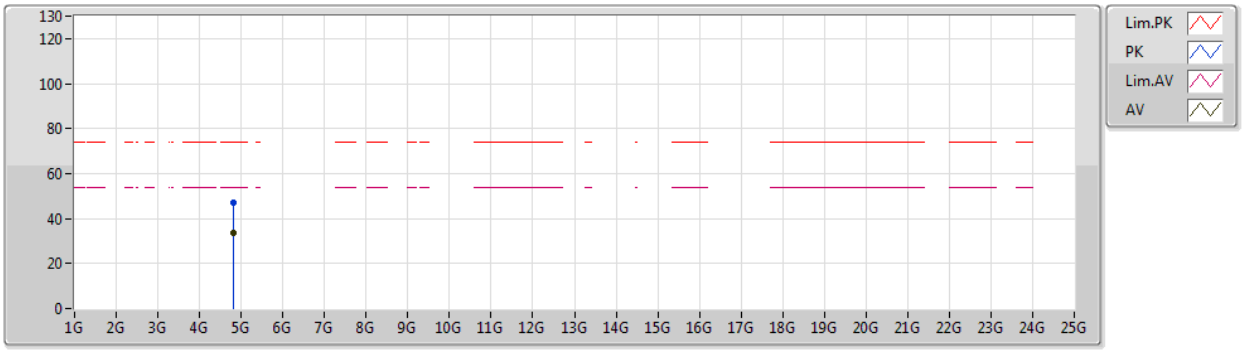


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	52.93	54.00	-1.07	33.75	3	Horizontal	34	1.16	-	19.18	27.64	6.11	-
AV	2.4112G	92.48	Inf	-Inf	33.71	3	Horizontal	34	1.16	-	58.77	27.59	6.12	-
PK	2.3896G	69.54	74.00	-4.46	33.75	3	Horizontal	34	1.16	-	35.79	27.64	6.11	-
PK	2.4126G	101.36	Inf	-Inf	33.71	3	Horizontal	34	1.16	-	67.65	27.59	6.12	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

16/08/2019

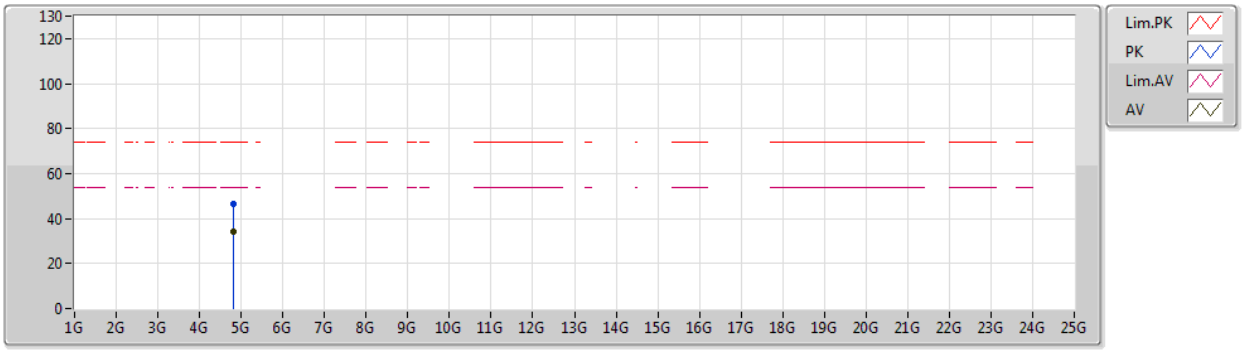


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82241G	33.75	54.00	-20.25	5.73	3	Vertical	224	1.40	-	28.02	31.10	8.92	34.29
PK	4.8226G	47.07	74.00	-26.93	5.73	3	Vertical	224	1.40	-	41.34	31.10	8.92	34.29

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

16/08/2019

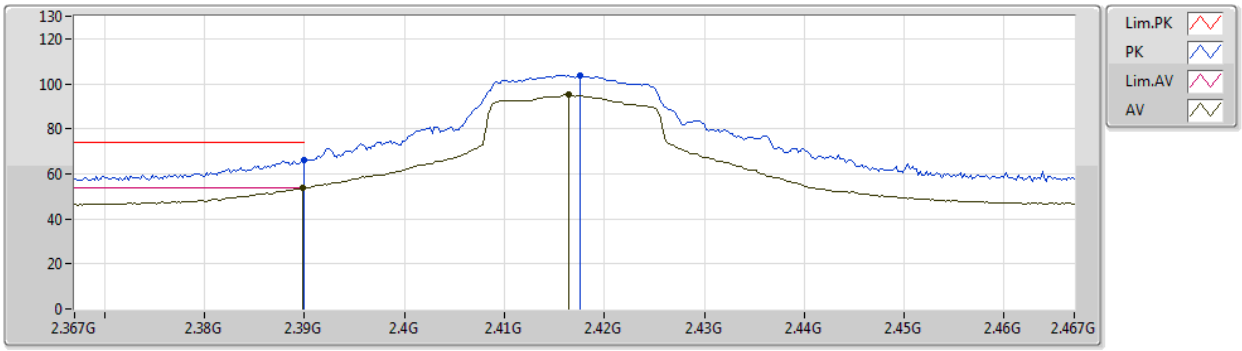


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82151G	34.07	54.00	-19.93	5.72	3	Horizontal	307	1.50	-	28.35	31.10	8.91	34.29
PK	4.82338G	46.39	74.00	-27.61	5.73	3	Horizontal	307	1.50	-	40.66	31.10	8.92	34.29

802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX

18/08/2019

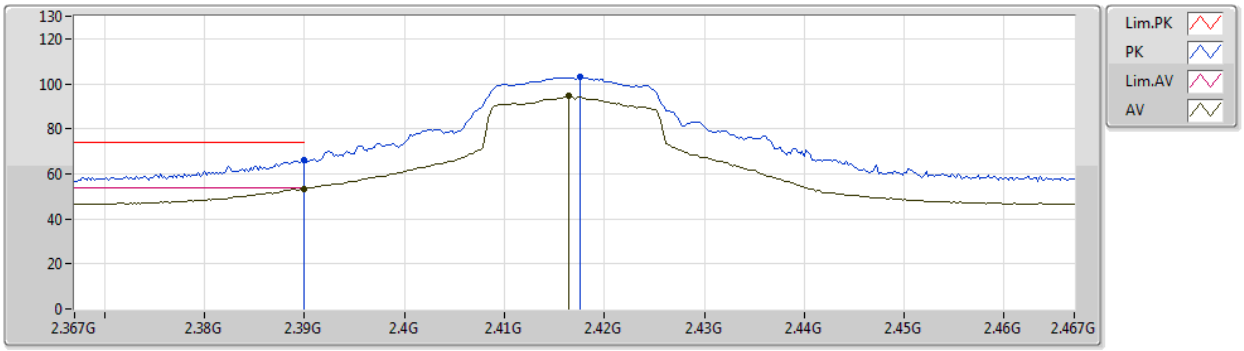


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	53.52	54.00	-0.48	33.75	3	Vertical	66	1.01	-	19.77	27.64	6.11	-
AV	2.4164G	95.37	Inf	-Inf	33.70	3	Vertical	66	1.01	-	61.67	27.58	6.12	-
PK	2.39G	66.20	74.00	-7.80	33.75	3	Vertical	66	1.01	-	32.45	27.64	6.11	-
PK	2.4176G	103.93	Inf	-Inf	33.70	3	Vertical	66	1.01	-	70.23	27.58	6.12	-

802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX

18/08/2019

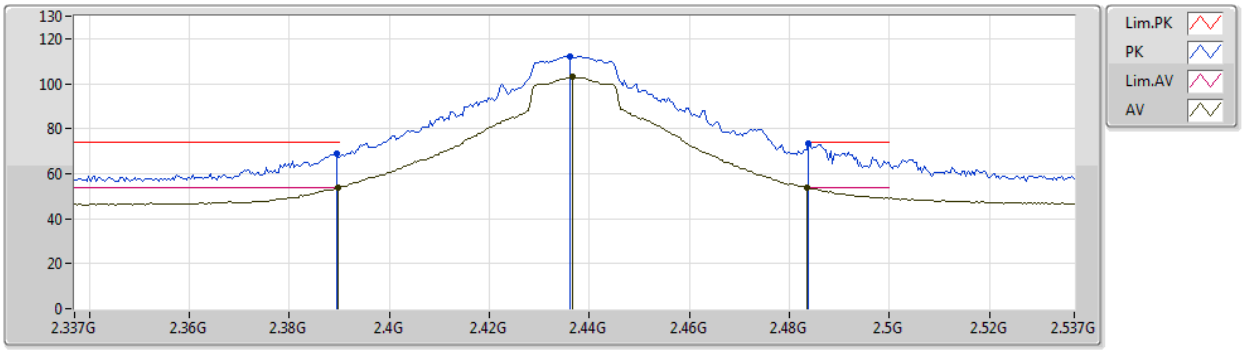


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.26	54.00	-0.74	33.75	3	Horizontal	16	1.32	-	19.51	27.64	6.11	-
AV	2.4164G	94.52	Inf	-Inf	33.70	3	Horizontal	16	1.32	-	60.82	27.58	6.12	-
PK	2.39G	66.30	74.00	-7.70	33.75	3	Horizontal	16	1.32	-	32.55	27.64	6.11	-
PK	2.4176G	103.16	Inf	-Inf	33.70	3	Horizontal	16	1.32	-	69.46	27.58	6.12	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

16/08/2019

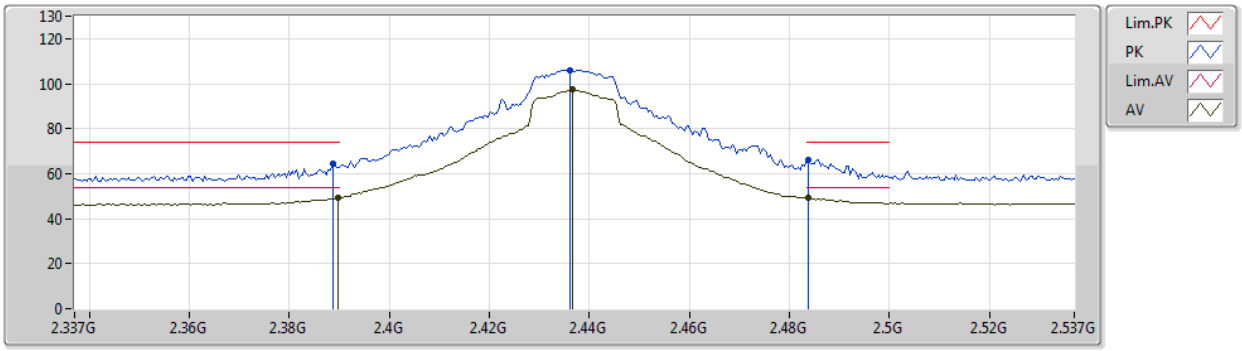


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	53.65	54.00	-0.35	33.75	3	Vertical	300	3.00	-	19.90	27.64	6.11	-
AV	2.4366G	103.36	Inf	-Inf	33.69	3	Vertical	300	3.00	-	69.67	27.56	6.13	-
AV	2.4835G	53.93	54.00	-0.07	33.67	3	Vertical	300	3.00	-	20.26	27.52	6.15	-
PK	2.3894G	68.80	74.00	-5.20	33.75	3	Vertical	300	3.00	-	35.05	27.64	6.11	-
PK	2.4362G	112.03	Inf	-Inf	33.69	3	Vertical	300	3.00	-	78.34	27.56	6.13	-
PK	2.4838G	73.50	74.00	-0.50	33.67	3	Vertical	300	3.00	-	39.83	27.52	6.15	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

16/08/2019

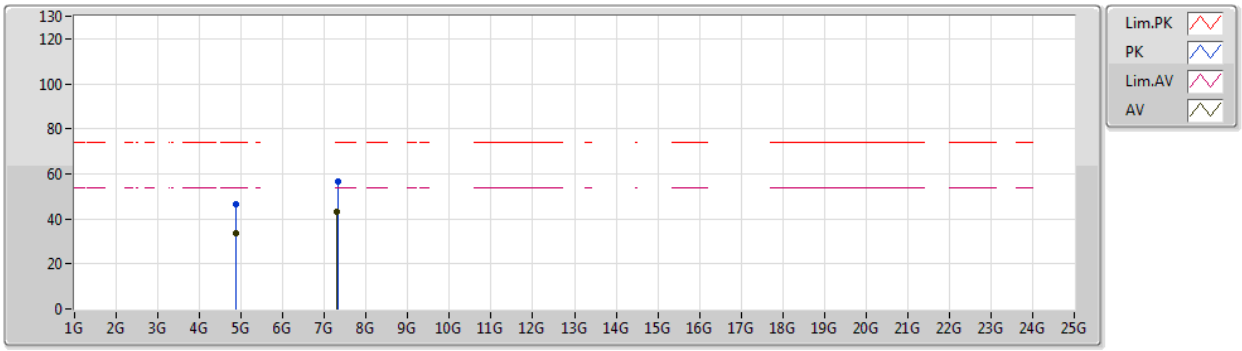


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	49.46	54.00	-4.54	33.75	3	Horizontal	32	1.31	-	15.71	27.64	6.11	-
AV	2.4366G	97.43	Inf	-Inf	33.69	3	Horizontal	32	1.31	-	63.74	27.56	6.13	-
AV	2.4838G	49.07	54.00	-4.93	33.67	3	Horizontal	32	1.31	-	15.40	27.52	6.15	-
PK	2.3886G	64.49	74.00	-9.51	33.76	3	Horizontal	32	1.31	-	30.73	27.65	6.11	-
PK	2.4362G	106.15	Inf	-Inf	33.69	3	Horizontal	32	1.31	-	72.46	27.56	6.13	-
PK	2.4838G	66.19	74.00	-7.81	33.67	3	Horizontal	32	1.31	-	32.52	27.52	6.15	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

16/08/2019

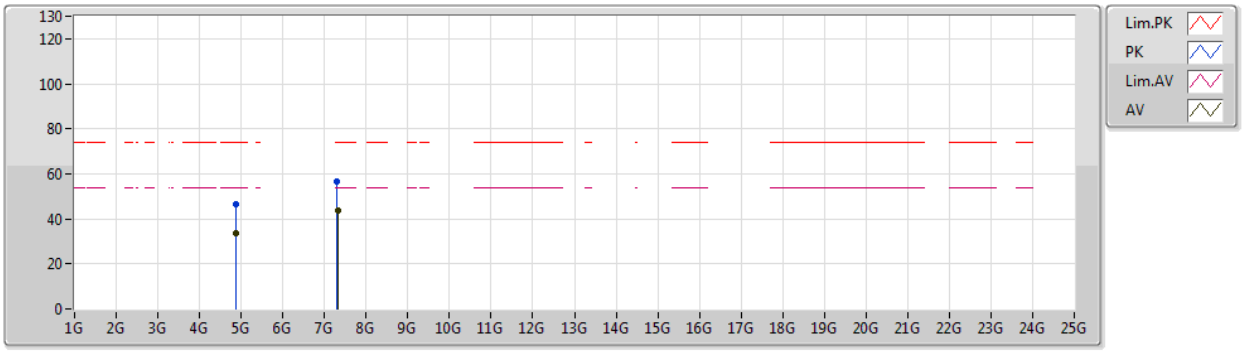


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.88528G	33.87	54.00	-20.13	5.80	3	Vertical	332	2.23	-	28.07	31.10	8.97	34.27
AV	7.3097G	43.25	54.00	-10.75	11.98	3	Vertical	189	2.61	-	31.27	36.29	10.28	34.59
PK	4.88738G	46.72	74.00	-27.28	5.80	3	Vertical	332	2.23	-	40.92	31.10	8.97	34.27
PK	7.31262G	56.53	74.00	-17.47	11.98	3	Vertical	189	2.61	-	44.55	36.29	10.28	34.59

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

16/08/2019

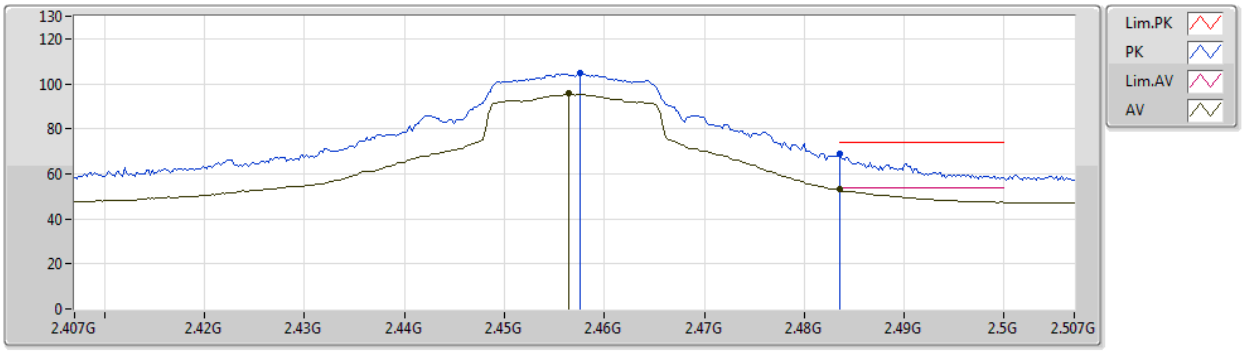


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.88612G	33.85	54.00	-20.15	5.80	3	Horizontal	205	1.50	-	28.05	31.10	8.97	34.27
AV	7.31274G	43.57	54.00	-10.43	11.98	3	Horizontal	357	2.53	-	31.59	36.29	10.28	34.59
PK	4.86458G	46.39	74.00	-27.61	5.77	3	Horizontal	205	1.50	-	40.62	31.10	8.95	34.28
PK	7.30932G	56.68	74.00	-17.32	11.98	3	Horizontal	357	2.53	-	44.70	36.29	10.28	34.59

802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

18/08/2019

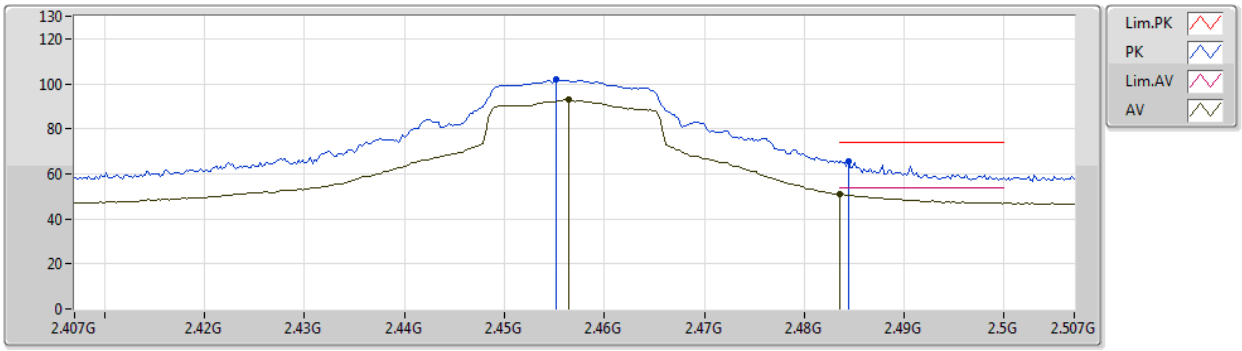


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4564G	95.76	Inf	-Inf	33.68	3	Vertical	54	1.06	-	62.08	27.54	6.14	-
AV	2.4835G	52.96	54.00	-1.04	33.67	3	Vertical	54	1.06	-	19.29	27.52	6.15	-
PK	2.4576G	104.51	Inf	-Inf	33.68	3	Vertical	54	1.06	-	70.83	27.54	6.14	-
PK	2.4836G	68.71	74.00	-5.29	33.67	3	Vertical	54	1.06	-	35.04	27.52	6.15	-

802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

18/08/2019

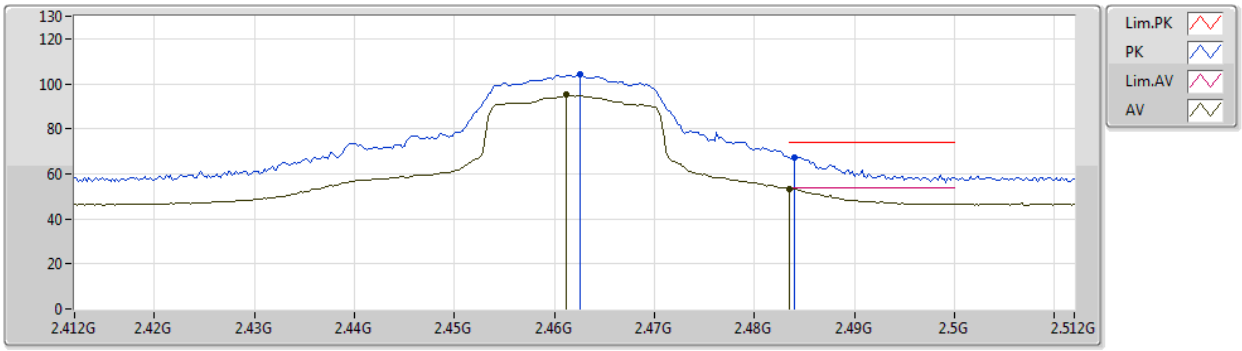


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4564G	93.09	Inf	-Inf	33.68	3	Horizontal	11	1.50	-	59.41	27.54	6.14	-
AV	2.4835G	51.08	54.00	-2.92	33.67	3	Horizontal	11	1.50	-	17.41	27.52	6.15	-
PK	2.4552G	101.72	Inf	-Inf	33.68	3	Horizontal	11	1.50	-	68.04	27.54	6.14	-
PK	2.4844G	65.77	74.00	-8.23	33.67	3	Horizontal	11	1.50	-	32.10	27.52	6.15	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

16/08/2019

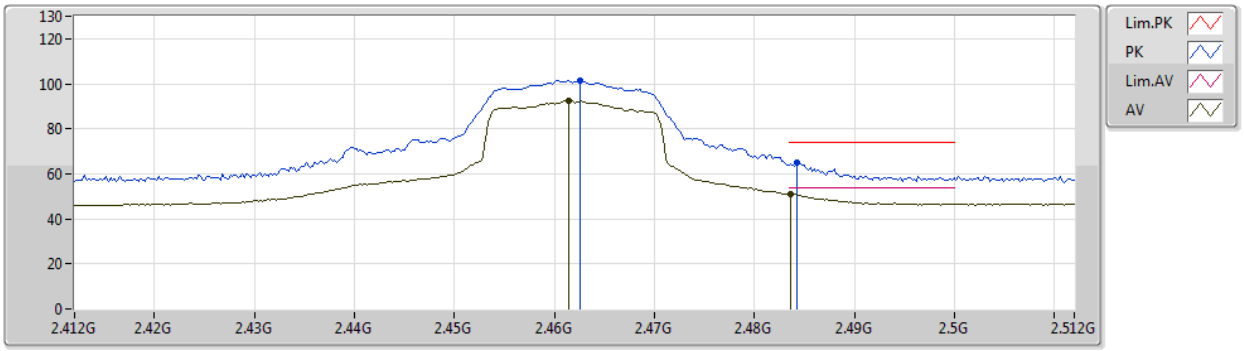


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4612G	95.09	Inf	-Inf	33.68	3	Vertical	329	2.03	-	61.41	27.54	6.14	-
AV	2.4835G	53.50	54.00	-0.50	33.67	3	Vertical	329	2.03	-	19.83	27.52	6.15	-
PK	2.4626G	104.03	Inf	-Inf	33.68	3	Vertical	329	2.03	-	70.35	27.54	6.14	-
PK	2.484G	67.49	74.00	-6.51	33.67	3	Vertical	329	2.03	-	33.82	27.52	6.15	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

16/08/2019

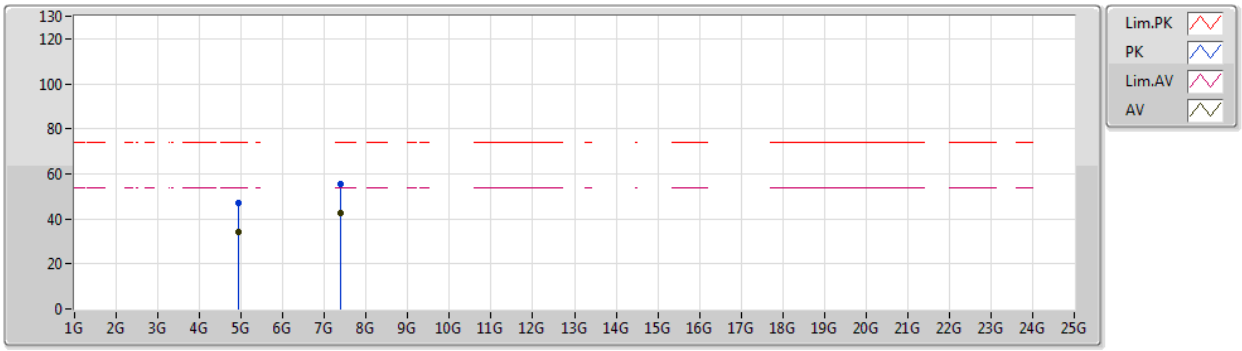


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4614G	92.59	Inf	-Inf	33.68	3	Horizontal	32	1.60	-	58.91	27.54	6.14	-
AV	2.4836G	51.23	54.00	-2.77	33.67	3	Horizontal	32	1.60	-	17.56	27.52	6.15	-
PK	2.4626G	101.48	Inf	-Inf	33.68	3	Horizontal	32	1.60	-	67.80	27.54	6.14	-
PK	2.4842G	64.90	74.00	-9.10	33.67	3	Horizontal	32	1.60	-	31.23	27.52	6.15	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

16/08/2019

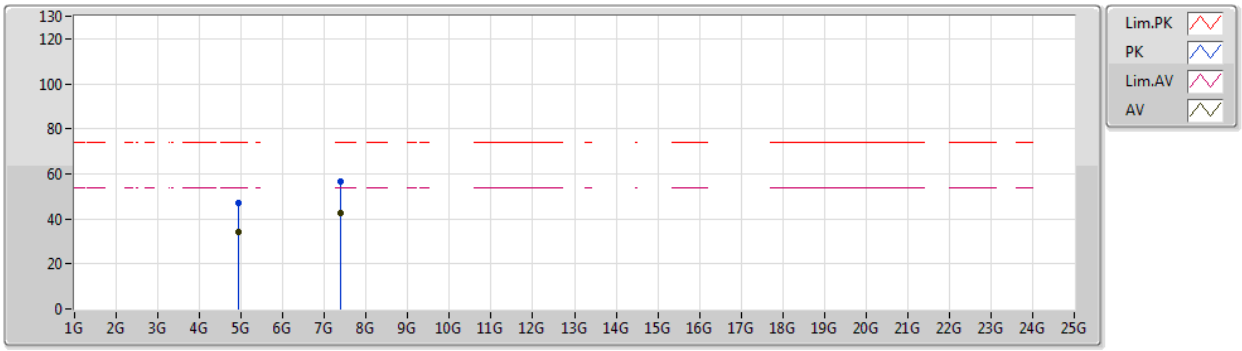


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.93216G	34.25	54.00	-19.75	6.02	3	Vertical	104	1.50	-	28.23	31.23	9.00	34.21
AV	7.3833G	42.43	54.00	-11.57	11.94	3	Vertical	314	2.79	-	30.49	36.22	10.31	34.59
PK	4.93084G	46.89	74.00	-27.11	6.01	3	Vertical	104	1.50	-	40.88	31.22	9.00	34.21
PK	7.38534G	55.54	74.00	-18.46	11.94	3	Vertical	314	2.79	-	43.60	36.21	10.32	34.59

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

16/08/2019

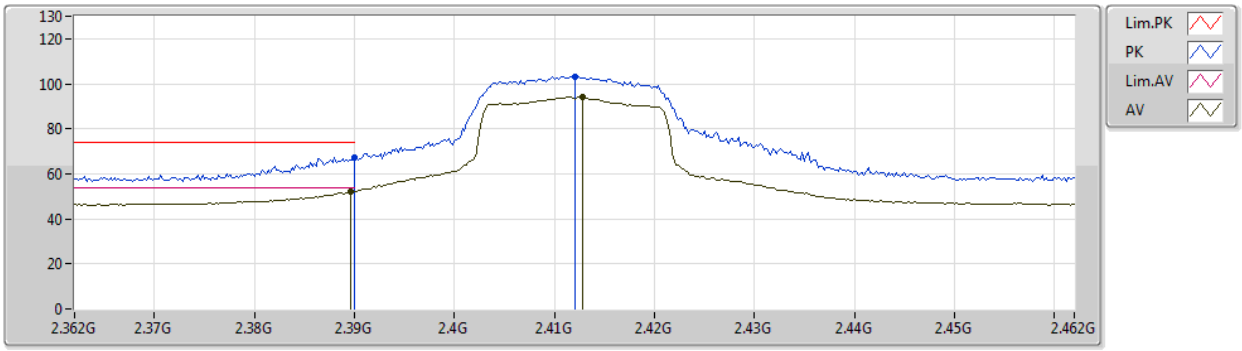


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.93186G	34.05	54.00	-19.95	6.02	3	Horizontal	295	1.50	-	28.03	31.23	9.00	34.21
AV	7.38576G	42.75	54.00	-11.25	11.94	3	Horizontal	1	2.40	-	30.81	36.21	10.32	34.59
PK	4.93264G	46.87	74.00	-27.13	6.02	3	Horizontal	295	1.50	-	40.85	31.23	9.00	34.21
PK	7.38894G	56.54	74.00	-17.46	11.94	3	Horizontal	1	2.40	-	44.60	36.21	10.32	34.59

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

16/08/2019

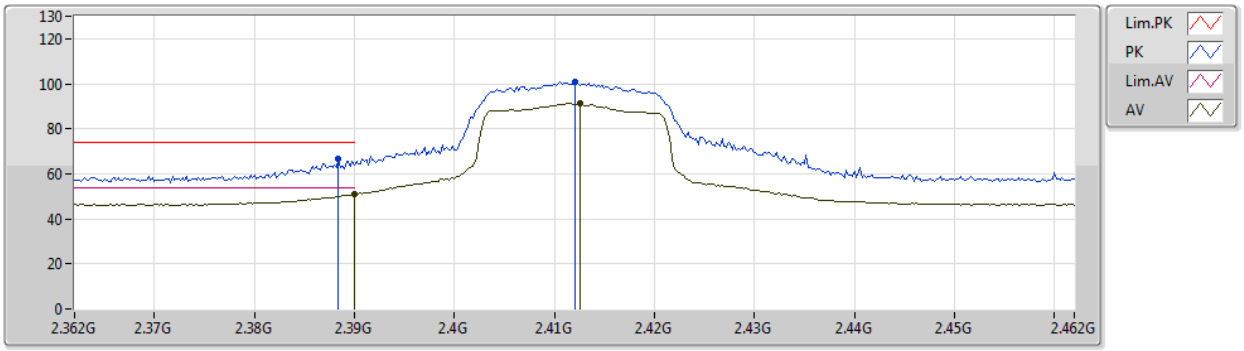


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3896G	52.05	54.00	-1.95	33.75	3	Vertical	307	2.13	-	18.30	27.64	6.11	-
AV	2.4128G	94.27	Inf	-Inf	33.71	3	Vertical	307	2.13	-	60.56	27.59	6.12	-
PK	2.39G	67.13	74.00	-6.87	33.75	3	Vertical	307	2.13	-	33.38	27.64	6.11	-
PK	2.412G	103.38	Inf	-Inf	33.71	3	Vertical	307	2.13	-	69.67	27.59	6.12	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

16/08/2019

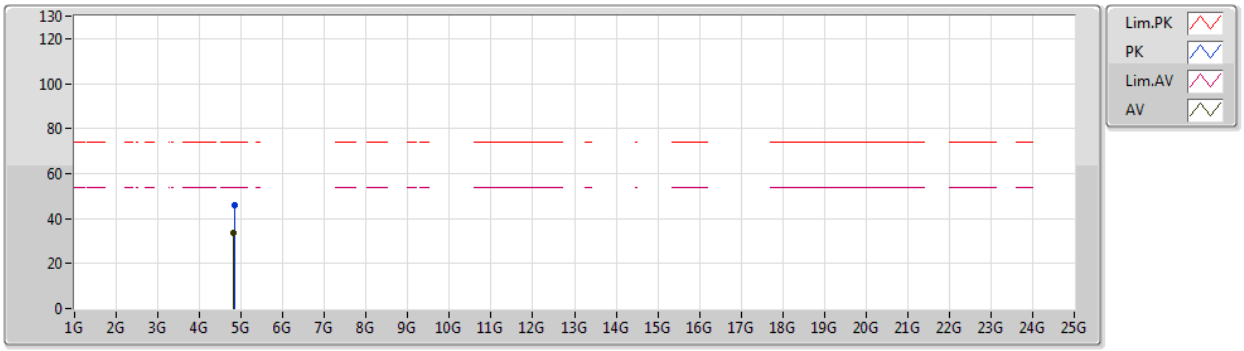


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	51.05	54.00	-2.95	33.75	3	Horizontal	36	1.15	-	17.30	27.64	6.11	-
AV	2.4126G	91.32	Inf	-Inf	33.71	3	Horizontal	36	1.15	-	57.61	27.59	6.12	-
PK	2.3884G	66.77	74.00	-7.23	33.76	3	Horizontal	36	1.15	-	33.01	27.65	6.11	-
PK	2.412G	100.95	Inf	-Inf	33.71	3	Horizontal	36	1.15	-	67.24	27.59	6.12	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

16/08/2019

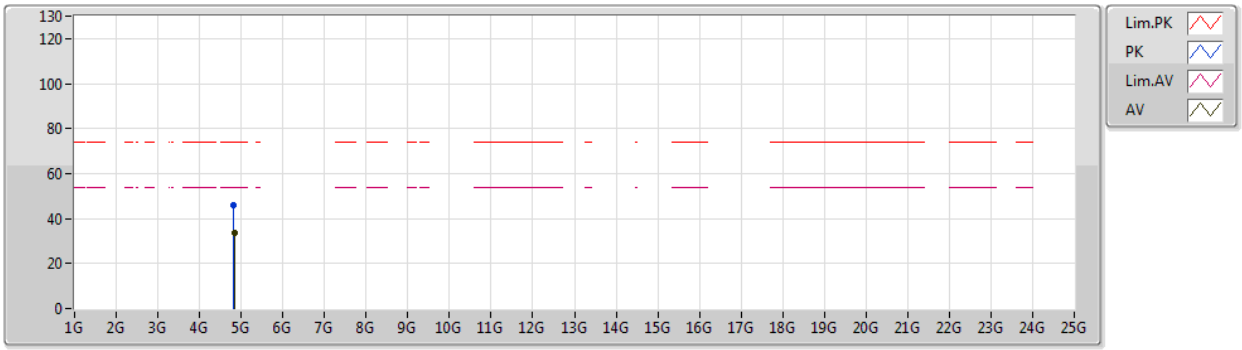


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8096G	33.47	54.00	-20.53	5.70	3	Vertical	349	1.55	-	27.77	31.10	8.90	34.30
PK	4.83522G	46.19	74.00	-27.81	5.74	3	Vertical	349	1.55	-	40.45	31.10	8.93	34.29

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

16/08/2019

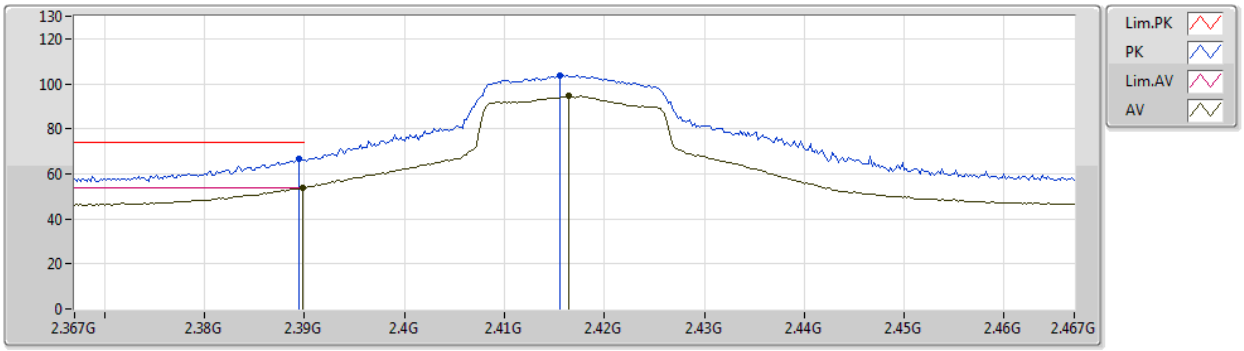


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.83786G	33.60	54.00	-20.40	5.74	3	Horizontal	107	1.50	-	27.86	31.10	8.93	34.29
PK	4.81086G	46.02	74.00	-27.98	5.71	3	Horizontal	107	1.50	-	40.31	31.10	8.91	34.30

802.11n HT20_Nss1,(MCS0)_1TX

2417MHz_TX

18/08/2019

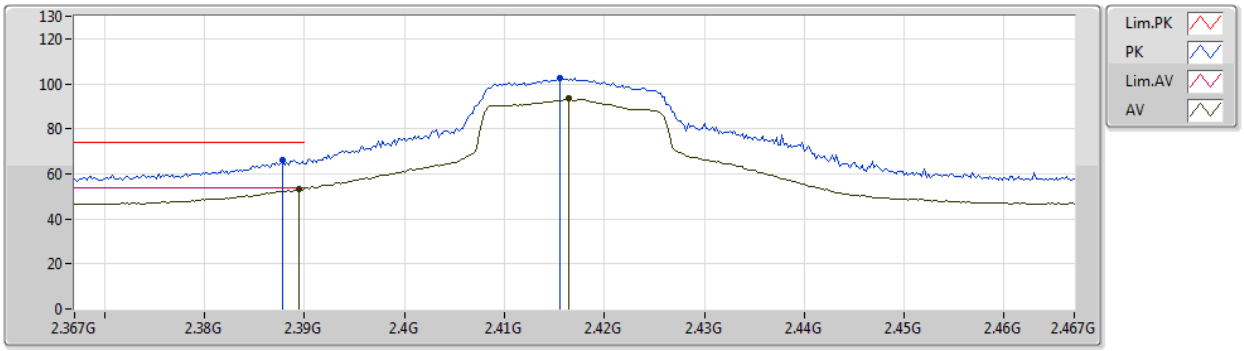


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	53.76	54.00	-0.24	33.75	3	Vertical	66	1.00	-	20.01	27.64	6.11	-
AV	2.4164G	94.74	Inf	-Inf	33.70	3	Vertical	66	1.00	-	61.04	27.58	6.12	-
PK	2.3894G	66.46	74.00	-7.54	33.75	3	Vertical	66	1.00	-	32.71	27.64	6.11	-
PK	2.4156G	103.79	Inf	-Inf	33.70	3	Vertical	66	1.00	-	70.09	27.58	6.12	-

802.11n HT20_Nss1,(MCS0)_1TX

2417MHz_TX

18/08/2019

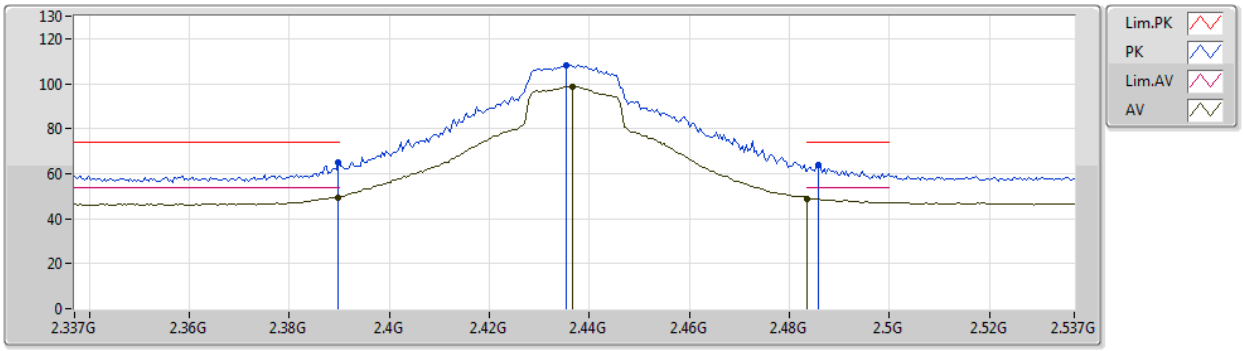


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3894G	53.13	54.00	-0.87	33.75	3	Horizontal	15	1.64	-	19.38	27.64	6.11	-
AV	2.4164G	93.40	Inf	-Inf	33.70	3	Horizontal	15	1.64	-	59.70	27.58	6.12	-
PK	2.3878G	66.20	74.00	-7.80	33.76	3	Horizontal	15	1.64	-	32.44	27.65	6.11	-
PK	2.4156G	102.82	Inf	-Inf	33.70	3	Horizontal	15	1.64	-	69.12	27.58	6.12	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

16/08/2019

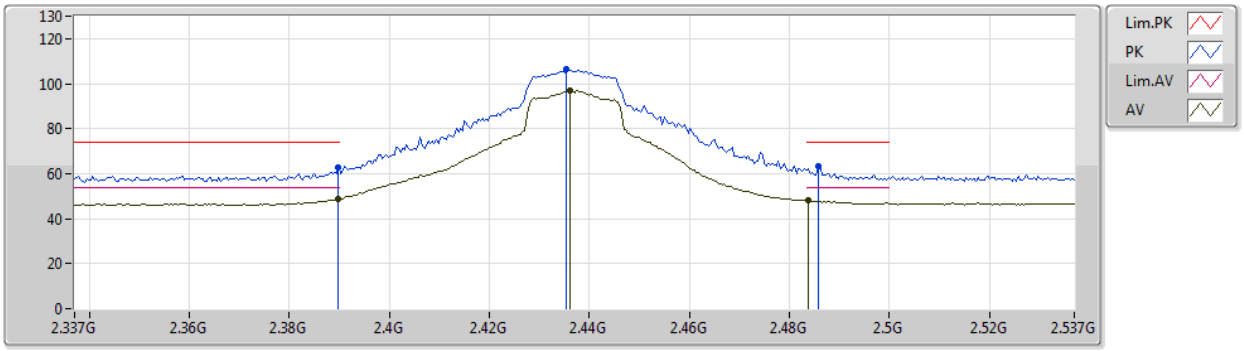


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	49.59	54.00	-4.41	33.75	3	Vertical	329	2.03	-	15.84	27.64	6.11	-
AV	2.4366G	98.89	Inf	-Inf	33.69	3	Vertical	329	2.03	-	65.20	27.56	6.13	-
AV	2.4835G	49.03	54.00	-4.97	33.67	3	Vertical	329	2.03	-	15.36	27.52	6.15	-
PK	2.3898G	65.05	74.00	-8.95	33.75	3	Vertical	329	2.03	-	31.30	27.64	6.11	-
PK	2.4354G	108.33	Inf	-Inf	33.69	3	Vertical	329	2.03	-	74.64	27.56	6.13	-
PK	2.4858G	63.80	74.00	-10.20	33.66	3	Vertical	329	2.03	-	30.14	27.51	6.15	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

16/08/2019

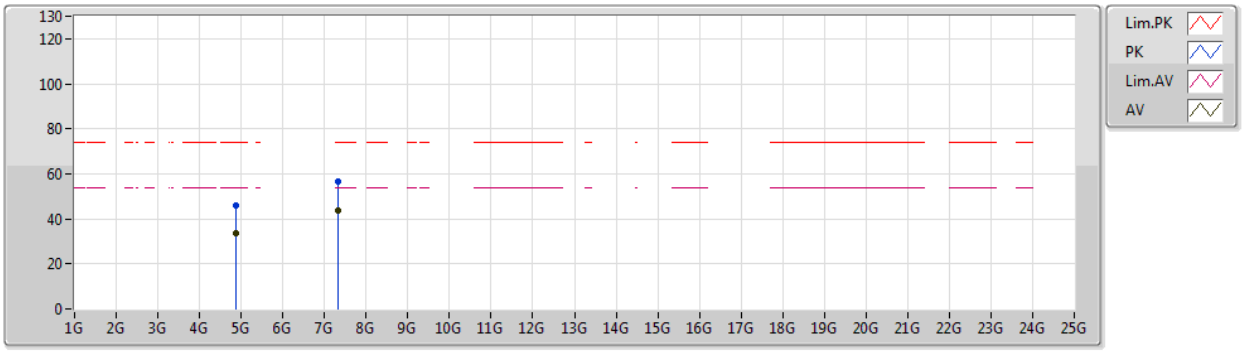


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	48.72	54.00	-5.28	33.75	3	Horizontal	32	2.10	-	14.97	27.64	6.11	-
AV	2.4362G	96.98	Inf	-Inf	33.69	3	Horizontal	32	2.10	-	63.29	27.56	6.13	-
AV	2.4838G	47.98	54.00	-6.02	33.67	3	Horizontal	32	2.10	-	14.31	27.52	6.15	-
PK	2.3898G	62.91	74.00	-11.09	33.75	3	Horizontal	32	2.10	-	29.16	27.64	6.11	-
PK	2.4354G	106.25	Inf	-Inf	33.69	3	Horizontal	32	2.10	-	72.56	27.56	6.13	-
PK	2.4858G	63.20	74.00	-10.80	33.66	3	Horizontal	32	2.10	-	29.54	27.51	6.15	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

16/08/2019

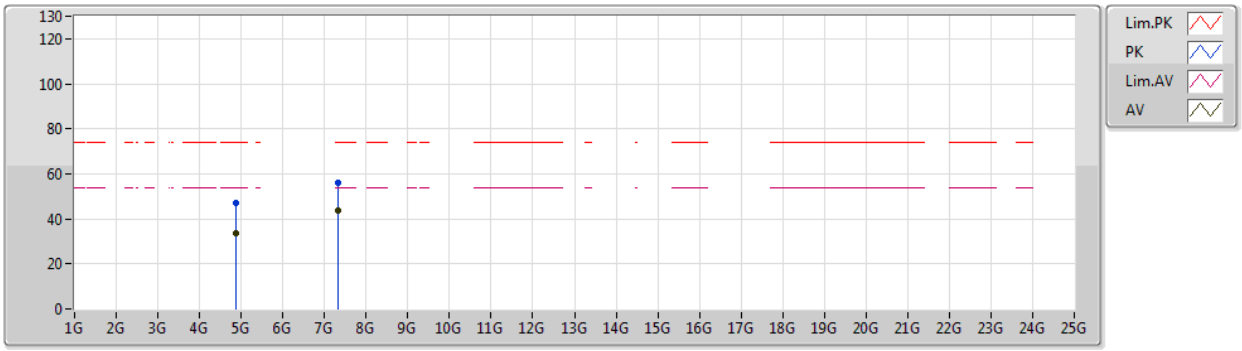


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8884G	33.68	54.00	-20.32	5.80	3	Vertical	231	1.50	-	27.88	31.10	8.97	34.27
AV	7.31154G	43.53	54.00	-10.47	11.98	3	Vertical	314	2.76	-	31.55	36.29	10.28	34.59
PK	4.88378G	46.06	74.00	-27.94	5.79	3	Vertical	231	1.50	-	40.27	31.10	8.96	34.27
PK	7.31118G	56.50	74.00	-17.50	11.98	3	Vertical	314	2.76	-	44.52	36.29	10.28	34.59

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

16/08/2019

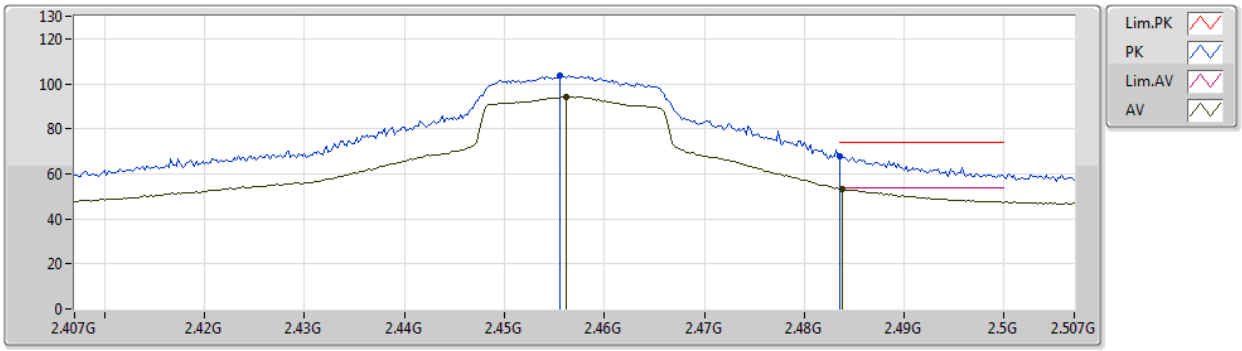


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.88582G	33.74	54.00	-20.26	5.80	3	Horizontal	359	1.50	-	27.94	31.10	8.97	34.27
AV	7.31328G	43.55	54.00	-10.45	11.98	3	Horizontal	0	2.53	-	31.57	36.29	10.28	34.59
PK	4.88438G	46.94	74.00	-27.06	5.79	3	Horizontal	359	1.50	-	41.15	31.10	8.96	34.27
PK	7.3137G	56.27	74.00	-17.73	11.98	3	Horizontal	0	2.53	-	44.29	36.29	10.28	34.59

802.11n HT20_Nss1,(MCS0)_1TX

19/08/2019

2457MHz_TX

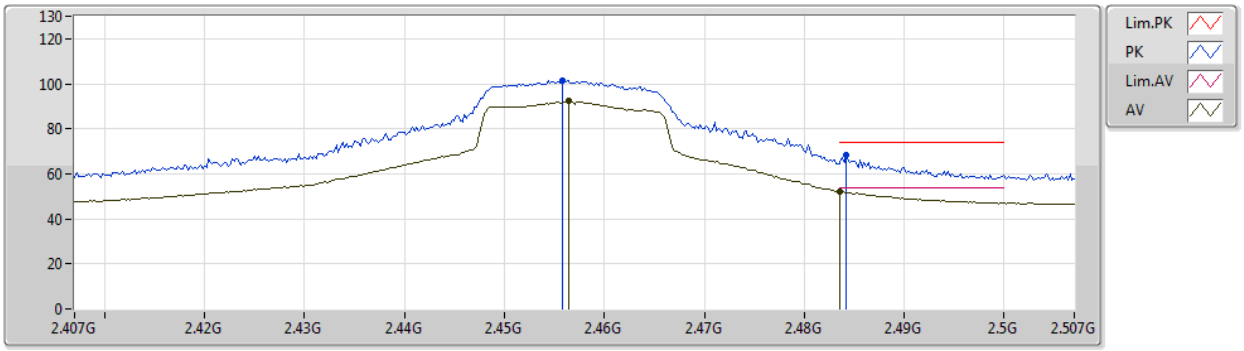


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4562G	94.39	Inf	-Inf	33.68	3	Vertical	59	1.23	-	60.71	27.54	6.14	-
AV	2.4838G	53.30	54.00	-0.70	33.67	3	Vertical	59	1.23	-	19.63	27.52	6.15	-
PK	2.4556G	103.67	Inf	-Inf	33.68	3	Vertical	59	1.23	-	69.99	27.54	6.14	-
PK	2.4835G	67.62	74.00	-6.38	33.67	3	Vertical	59	1.23	-	33.95	27.52	6.15	-

802.11n HT20_Nss1,(MCS0)_1TX

2457MHz_TX

19/08/2019

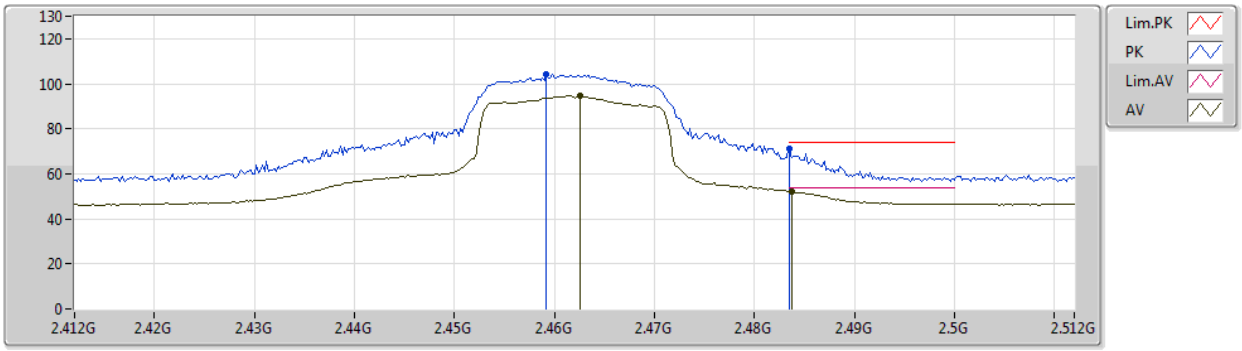


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4564G	92.21	Inf	-Inf	33.68	3	Horizontal	12	1.49	-	58.53	27.54	6.14	-
AV	2.4835G	52.03	54.00	-1.97	33.67	3	Horizontal	12	1.49	-	18.36	27.52	6.15	-
PK	2.4558G	101.57	Inf	-Inf	33.68	3	Horizontal	12	1.49	-	67.89	27.54	6.14	-
PK	2.4842G	68.34	74.00	-5.66	33.67	3	Horizontal	12	1.49	-	34.67	27.52	6.15	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

16/08/2019

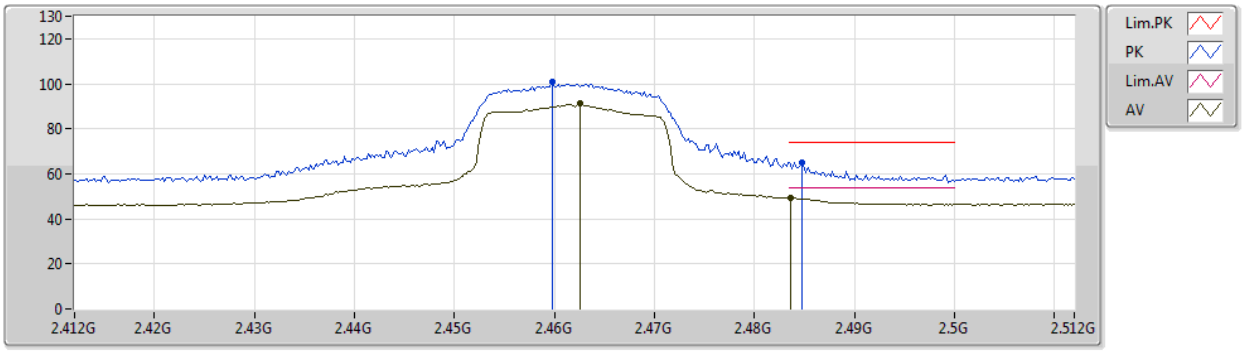


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4626G	94.80	Inf	-Inf	33.68	3	Vertical	326	2.33	-	61.12	27.54	6.14	-
AV	2.4838G	52.34	54.00	-1.66	33.67	3	Vertical	326	2.33	-	18.67	27.52	6.15	-
PK	2.4592G	104.31	Inf	-Inf	33.68	3	Vertical	326	2.33	-	70.63	27.54	6.14	-
PK	2.4835G	71.44	74.00	-2.56	33.67	3	Vertical	326	2.33	-	37.77	27.52	6.15	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

16/08/2019

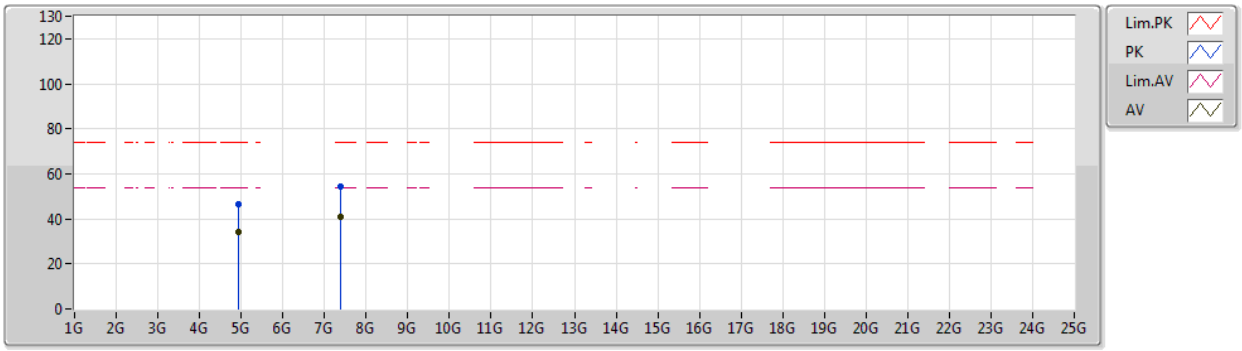


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4626G	91.08	Inf	-Inf	33.68	3	Horizontal	31	1.59	-	57.40	27.54	6.14	-
AV	2.4836G	49.33	54.00	-4.67	33.67	3	Horizontal	31	1.59	-	15.66	27.52	6.15	-
PK	2.4598G	101.14	Inf	-Inf	33.68	3	Horizontal	31	1.59	-	67.46	27.54	6.14	-
PK	2.4848G	65.25	74.00	-8.75	33.67	3	Horizontal	31	1.59	-	31.58	27.52	6.15	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

16/08/2019

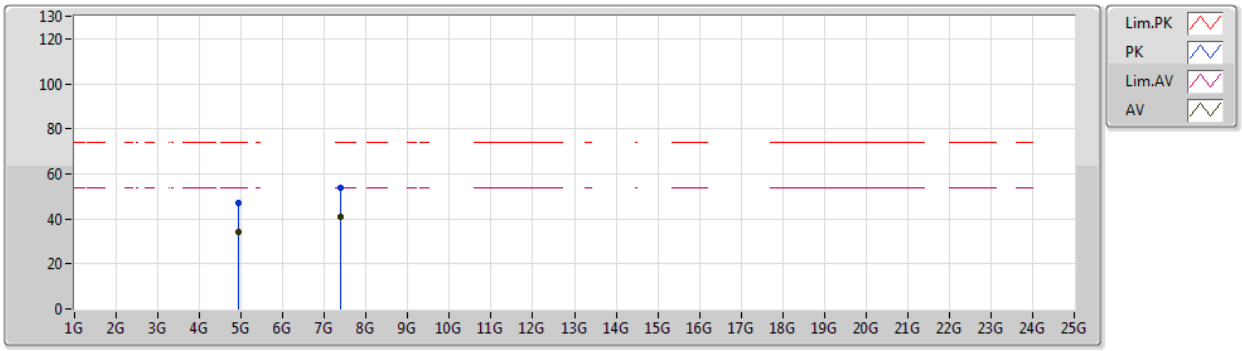


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.93414G	34.13	54.00	-19.87	6.03	3	Vertical	1	1.50	-	28.10	31.24	9.00	34.21
AV	7.38252G	40.98	54.00	-13.02	11.94	3	Vertical	189	2.50	-	29.04	36.22	10.31	34.59
PK	4.92418G	46.60	74.00	-27.40	5.98	3	Vertical	1	1.50	-	40.62	31.20	9.00	34.22
PK	7.38222G	54.25	74.00	-19.75	11.94	3	Vertical	189	2.50	-	42.31	36.22	10.31	34.59

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

16/08/2019



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	4.92922G	34.21	54.00	-19.79	6.01	3	Horizontal	20	2.52	-	28.20	31.22	9.00	34.21
AV	7.38612G	40.99	54.00	-13.01	11.94	3	Horizontal	3	2.45	-	29.05	36.21	10.32	34.59
PK	4.93882G	46.84	74.00	-27.16	6.07	3	Horizontal	20	2.52	-	40.77	31.26	9.01	34.20
PK	7.3836G	53.80	74.00	-20.20	11.94	3	Horizontal	3	2.45	-	41.86	36.22	10.31	34.59

Summary

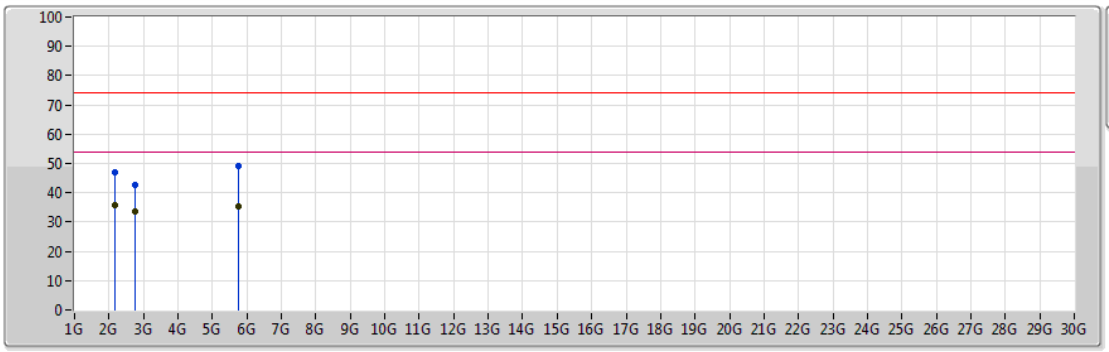
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	1.4G	42.13	54.00	-11.87	-5.56	3	Horizontal	197	2.45	-
Mode 2	Pass	AV	1.4G	42.18	54.00	-11.82	-5.56	3	Horizontal	191	2.43	-

Mode Configure

Mode	
Mode 1	WIFI 2.4G+BT
Mode 2	WIFI 5G+BT

Mode 1

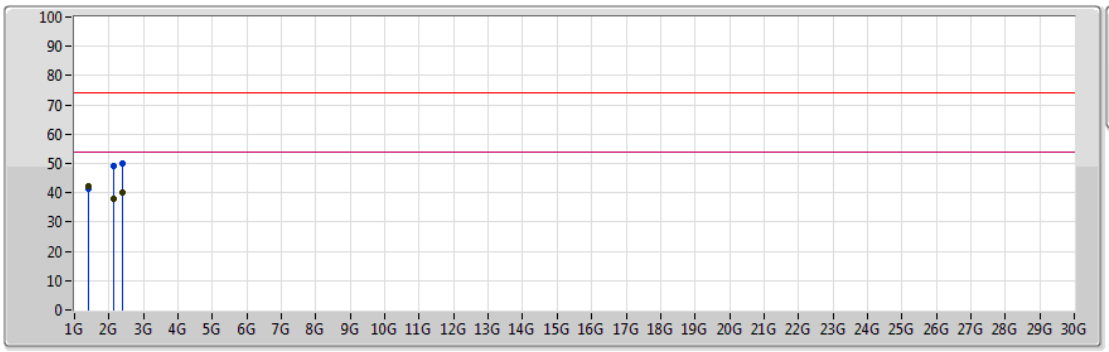
23/08/2019



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	2.152G	35.66	54.00	-18.34	-3.30	3	Vertical	216	2.34	-	38.96	26.66	4.44	34.40
AV	2.744G	33.57	54.00	-20.43	-1.40	3	Vertical	306	1.33	-	34.97	28.09	5.14	34.63
AV	5.756G	35.17	54.00	-18.83	5.43	3	Vertical	238	1.61	-	29.74	32.26	7.64	34.47
PK	2.152G	47.07	74.00	-26.93	-3.30	3	Vertical	216	2.34	-	50.37	26.66	4.44	34.40
PK	2.744G	42.50	74.00	-31.50	-1.40	3	Vertical	306	1.33	-	43.90	28.09	5.14	34.63
PK	5.756G	48.99	74.00	-25.01	5.43	3	Vertical	238	1.61	-	43.56	32.26	7.64	34.47

Mode 1

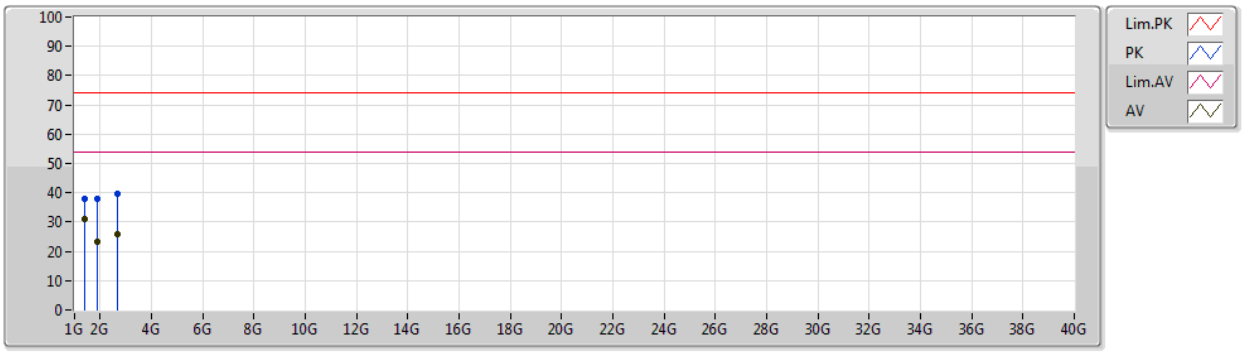
23/08/2019



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	1.4G	42.13	54.00	-11.87	-5.56	3	Horizontal	197	2.45	-	47.69	25.44	3.66	34.66
AV	2.132G	38.04	54.00	-15.96	-3.37	3	Horizontal	302	1.71	-	41.41	26.60	4.42	34.39
AV	2.376G	40.09	54.00	-13.91	-2.46	3	Horizontal	39	1.84	-	42.55	27.33	4.70	34.49
PK	1.4G	41.49	74.00	-32.51	-5.56	3	Horizontal	197	2.45	-	47.05	25.44	3.66	34.66
PK	2.132G	49.33	74.00	-24.67	-3.37	3	Horizontal	236	1.74	-	52.70	26.60	4.42	34.39
PK	2.376G	50.09	74.00	-23.91	-2.46	3	Horizontal	39	1.84	-	52.55	27.33	4.70	34.49

Mode 2

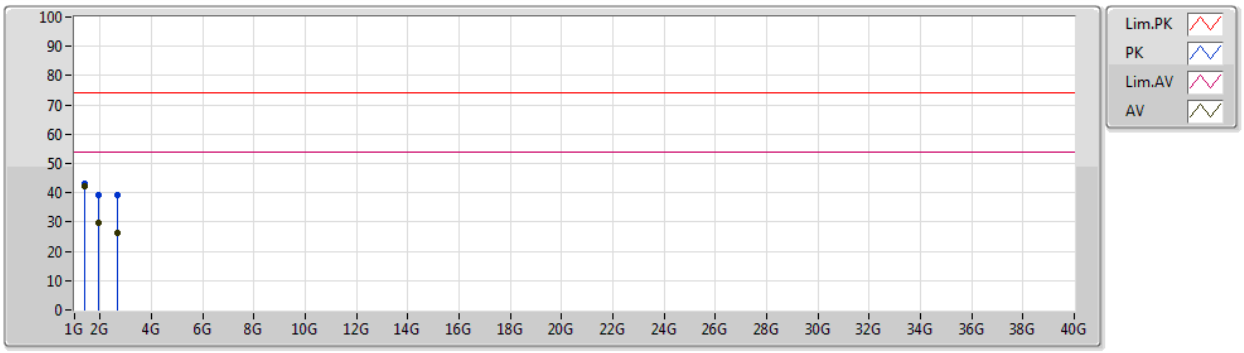
24/08/2019



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	1.4G	30.90	54.00	-23.10	-5.56	3	Vertical	174	2.14	-	36.46	25.44	3.66	34.66
AV	1.868G	23.49	54.00	-30.51	-4.17	3	Vertical	347	1.99	-	27.66	26.07	4.14	34.38
AV	2.68G	25.93	54.00	-28.07	-1.56	3	Vertical	138	2.09	-	27.49	27.99	5.06	34.61
PK	1.4G	37.82	74.00	-36.18	-5.49	3	Vertical	174	2.14	-	43.31	25.47	3.68	34.64
PK	1.868G	37.94	74.00	-36.06	-4.17	3	Vertical	347	1.99	-	42.11	26.07	4.14	34.38
PK	2.68G	39.79	74.00	-34.21	-1.56	3	Vertical	138	2.09	-	41.35	27.99	5.06	34.61

Mode 2

24/08/2019



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	1.4G	42.18	54.00	-11.82	-5.56	3	Horizontal	191	2.43	-	47.74	25.44	3.66	34.66
AV	1.926G	29.64	54.00	-24.36	-4.04	3	Horizontal	276	1.44	-	33.68	26.13	4.19	34.36
AV	2.69G	26.37	54.00	-27.63	-1.54	3	Horizontal	231	1.73	-	27.91	28.00	5.08	34.62
PK	1.4G	43.13	74.00	-30.87	-5.56	3	Horizontal	191	2.43	-	48.69	25.44	3.66	34.66
PK	1.926G	39.14	74.00	-34.86	-4.04	3	Horizontal	276	1.44	-	43.18	26.13	4.19	34.36
PK	2.69G	39.09	74.00	-34.91	-1.54	3	Horizontal	231	1.73	-	40.63	28.00	5.08	34.62