

FCC Radio Test Report

FCC ID : BKMAE-STI6200B
Equipment : WLAN/BT Module
Brand Name : EPSON
Model Name : STI6200B
Applicant : SEIKO EPSON CORPORATION
3-3-5 Owa Suwa-shi Nagano-ken 392-8502 Japan
Manufacturer : SEIKO EPSON CORPORATION
6925 Tazawa, Toyoshina Azumino-shi, Nagano 399-8285 Japan
Standard : 47 CFR FCC Part 15.247

The product was received on Jul. 21, 2021, and testing was started from Jul. 30, 2021 and completed on Aug. 17, 2021. We, SPORTON INTERNATIONAL INC. Hsinhua 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 test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Hsinhua Laboratory, the test report shall not be reproduced except in full.



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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History of this test report

Report No.	Version	Description	Issued Date
FR153118AC	01	Initial issue of report	Sep. 14, 2021

Summary of Test Result

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

Declaration of Conformity:

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

Comments and explanations:

None

Reviewed by: Ben Tseng

Report Producer: Jenny Yang

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX

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	HONGBO	290-40488	PIFA	I-Pex
2	HONGBO	290-40488	PIFA	I-Pex

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	2	2.34	5.29	-
2	1	2.74	4.50	2.74

Note 1: The EUT has two antennas.

For 2.4GHz function:

For IEEE 802.11 b mode (1TX/2RX)

Only Ant. 2 (port 1) can be used as transmitting/receiving antenna.

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

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

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

For BT function:

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

Only Ant. 2 (port 1) can be used as transmitting/receiving.

For 5GHz function:

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

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

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From Test Fixture		
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_Nss1,(1Mbps)_1TX	0.998	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g_Nss1,(6Mbps)_2TX	0.991	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT20_Nss1,(MCS0)_2TX	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)

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

1.2 Testing Applied Standards

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

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

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

- ◆ KDB 558074 D01 v05r02
- ◆ KDB 662911 D01 v02r01
- ◆ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Billy Wang	23.1~24.2°C / 58~62%	04/Aug/2021
RF Conducted	TH06-HY	Howard Lee	20.8~25.9°C / 50~60%	04/Aug/2021~17/Aug/2021
Radiated	03CH03-HY	Edward Wang	23.6~24.4°C / 54~60%	30/Jul/2021~17/Aug/2021
☐ Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	Putty Release 0.62
Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	82
2417MHz	82
2437MHz	89
2457MHz	81
2462MHz	81
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	62
2417MHz	71
2437MHz	79
2457MHz	69
2462MHz	61
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	53
2417MHz	66
2437MHz	75
2457MHz	66
2462MHz	55

2.2 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 Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	Test Fixture 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	Test Fixture Mode
Operating Mode > 1GHz	CTX
Orthogonal Planes of EUT	Z Plane
	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	WLAN 2.4GHz+Bluetooth
2	WLAN 5GHz+Bluetooth
Refer to Sporton Test Report No.: FA153118 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	



2.3 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Power Cable	Power Sync	PW-GPC180-3	-	-
2	Test Fixture	Askey	STI6200-D101-Ro HS-EVB REV:2	-	Note 1
3	AC Adapter	APD	WB-18D12FU	-	-

Note 1: Provided by Customer

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	Adapter	APD	WB-18D12FU	-	-
4	Test Fixture	Askey	STI6200-D101-Ro HS-EVB REV:2	-	Note 1
5	Monitor	DELL	UltraSharp U2410f	-	-
6	HDMI Cable	Sporton	Sporton	-	-
7	Remote Controller	EPSON	RC4261804	-	-

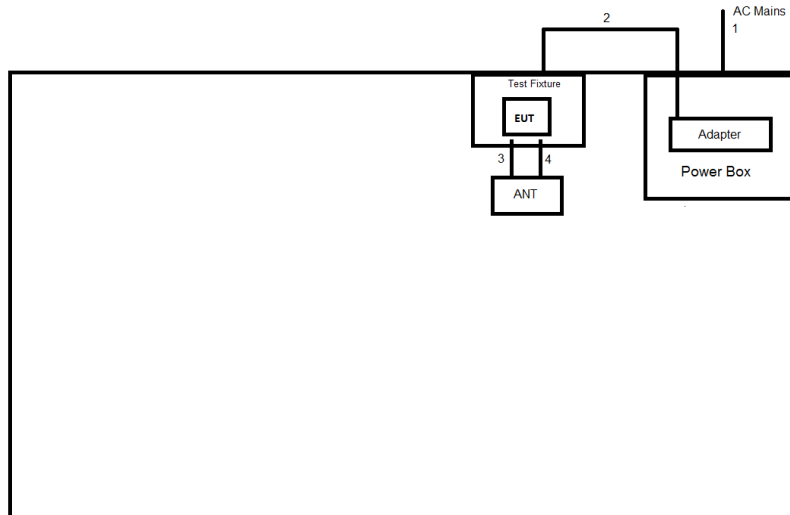
Note 1: Provided by Customer

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Power Cable	Power Sync	PW-GPC180-3	-	-
2	Test Fixture	Askey	STI6200-D101-Ro HS-EVB REV:2	-	Note 1
3	AC Adapter	APD	WB-18D12FU	-	-

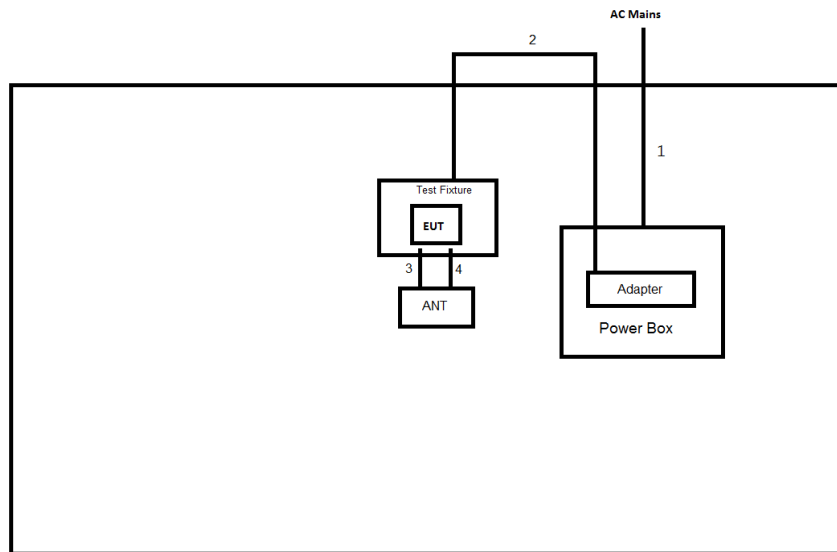
Note 1: Provided by Customer

2.4 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	2.0	-
3	RF cable	No	0.13	-
4	RF cable	No	0.13	-

Test Setup Diagram - Radiated Test


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	2.0	-
3	RF cable	No	0.13	-
4	RF cable	No	0.13	-

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

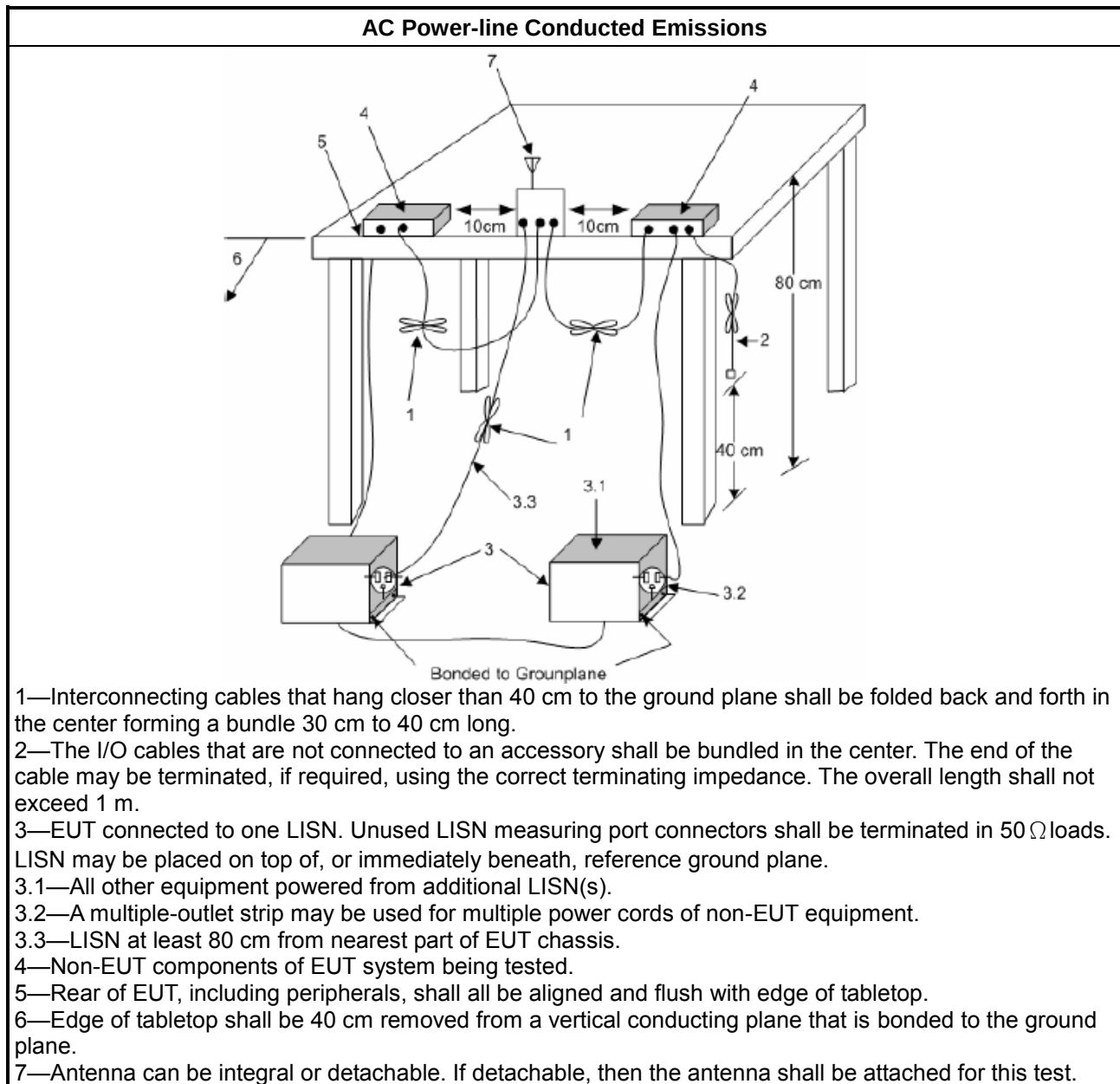
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

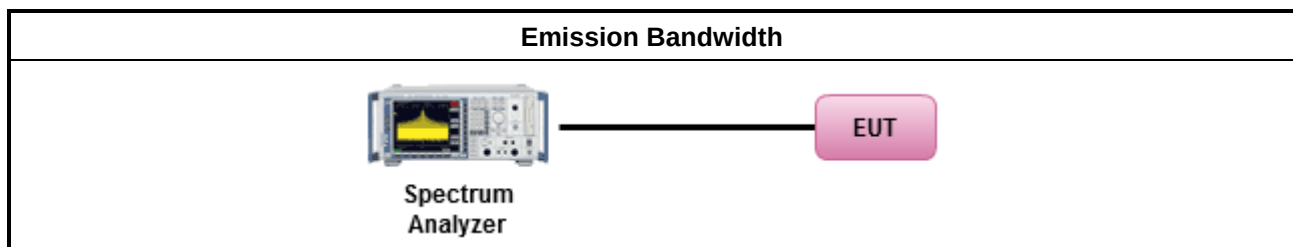
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
☒	Refer as KDB 558074. clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
☐	Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

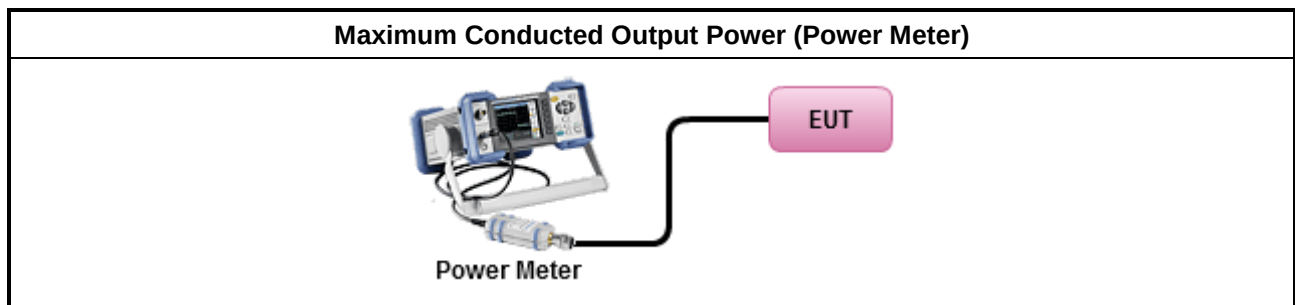
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
☐	Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
☐	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
Maximum Average Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
☒	Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

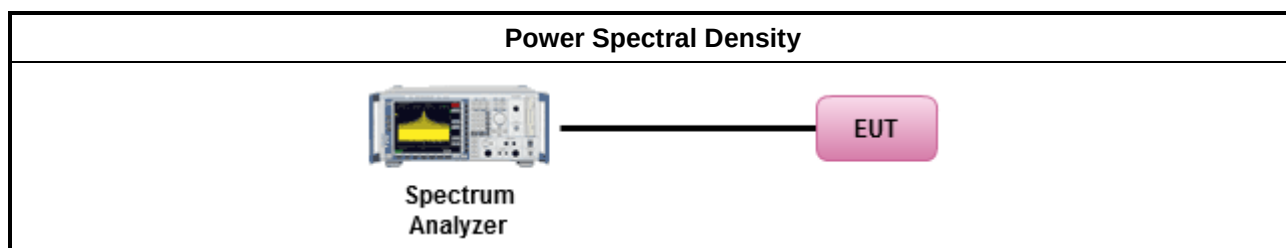
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup



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.	

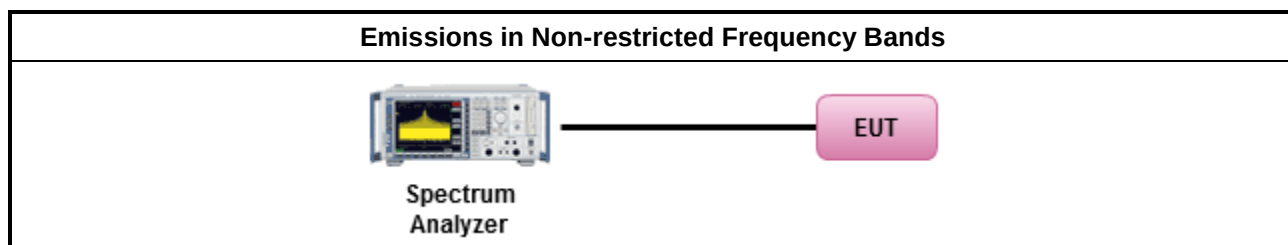
3.5.2 Measuring Instruments

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



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

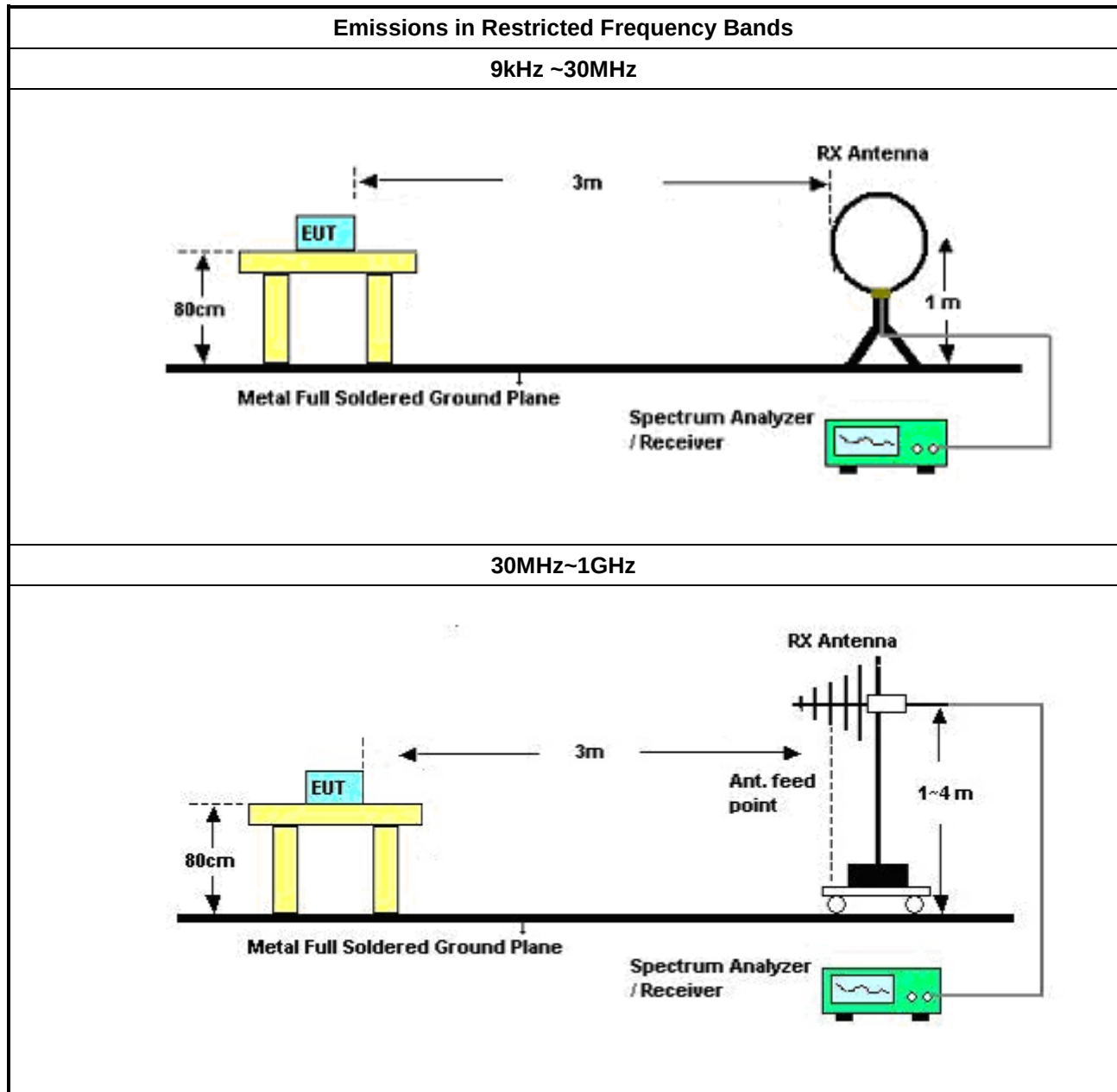
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted 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 $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

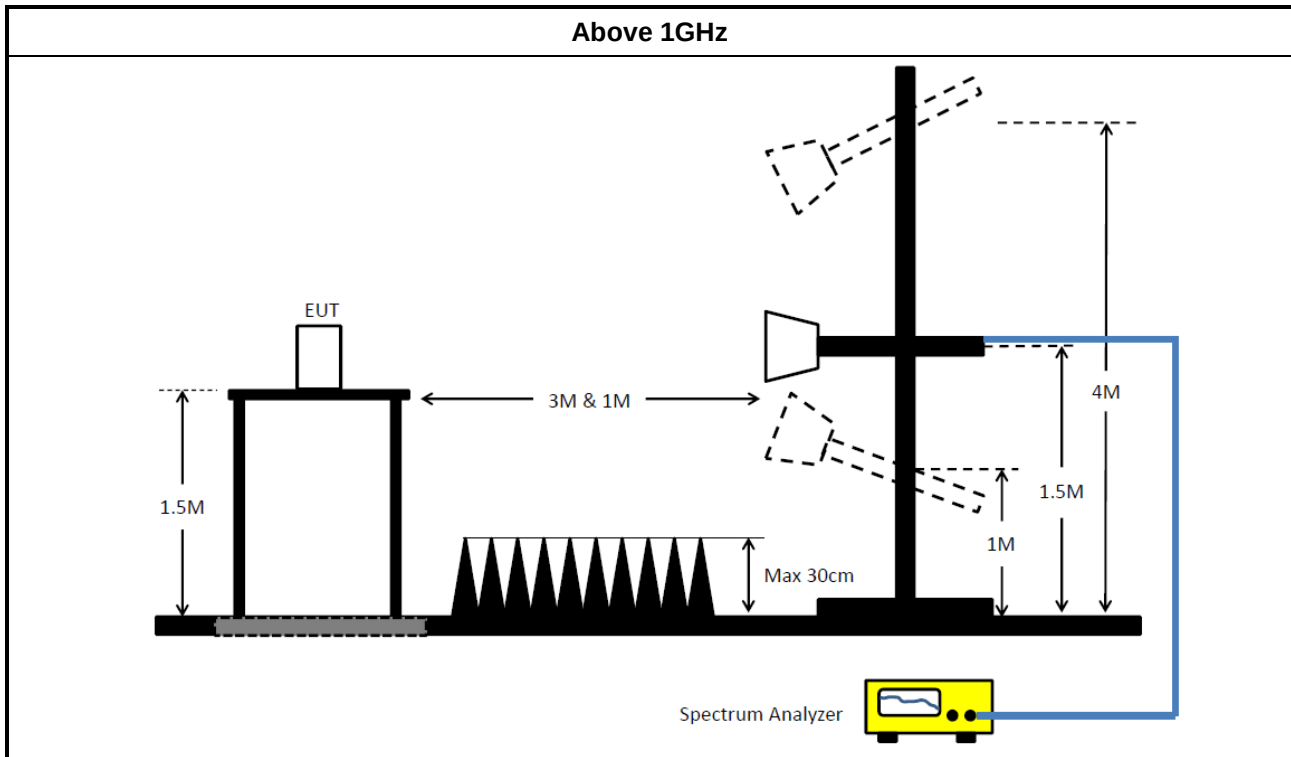
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

3.6.5 Test Setup





3.6.6 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.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR	102052	9kHz ~ 3.6GHz	19/Apr/2021	18/Apr/2022
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	11/Nov/2020	10/Nov/2021
RF Cable 5m	TITAN	TITAN	CO04-cable-01	0.1MHz~200MHz	03/Mar/2021	02/Mar/2022
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	21/Sep/2020	20/Sep/2021

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	19/Oct/2020	18/Oct/2021
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	20/Oct/2020	19/Oct/2021
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	25/Mar/2021	24/Mar/2022
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	25/Mar/2021	24/Mar/2022

**Instrument for Radiated Test**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	06/Aug/2020	05/Aug/2021
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	04/Aug/2020	03/Aug/2021
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	03/Aug/2021	02/Aug/2022
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	03/Aug/2021	02/Aug/2022
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	19/Aug/2020	18/Aug/2021
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	13/Apr/2021	12/Apr/2022
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270196	1GHz~26.5GHz	06/Oct/2020	05/Oct/2021
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	06/Sep/2020	05/Sep/2021
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	24/Mar/2021	23/Mar/2022
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	17/Mar/2021	16/Mar/2022
RF Cable-R03m	Jye Bao	RG142	MY37335/4+CB021-1+CB021-2	30MHz~1GHz	17/Mar/2021	16/Mar/2022
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	SN MY38596/4+SN 804300/4	1GHz~40GHz	04/Aug/2020	03/Aug/2021
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	11/Mar/2021	10/Mar/2022
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2021	15/Mar/2022
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	19/Apr/2021	18/Apr/2022

**Instrument for Radiated Test (Co-Location)**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	03/Aug/2021	02/Aug/2022
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	19/Aug/2020	18/Aug/2021
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270196	1GHz~26.5GHz	06/Oct/2020	05/Oct/2021
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	24/Mar/2021	23/Mar/2022
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	SN MY38596/4+SN 804300/4	1GHz~40GHz	28/Jul/2021	27/Jul/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	11/Mar/2021	10/Mar/2022
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	09/Mar/2021	08/Mar/2022



Conducted Emissions at Powerline

Appendix A

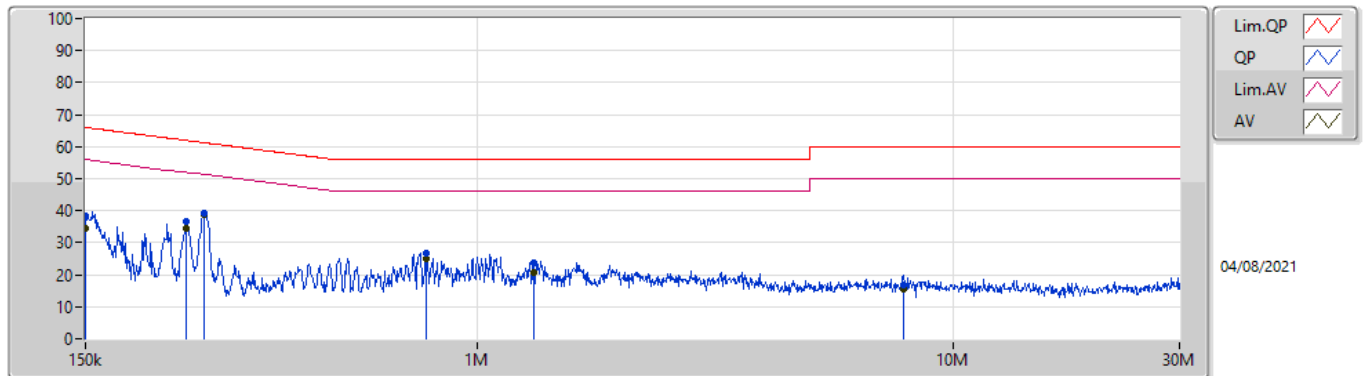
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	266.53k	39.55	51.22	-11.67	Neutral

Mode config

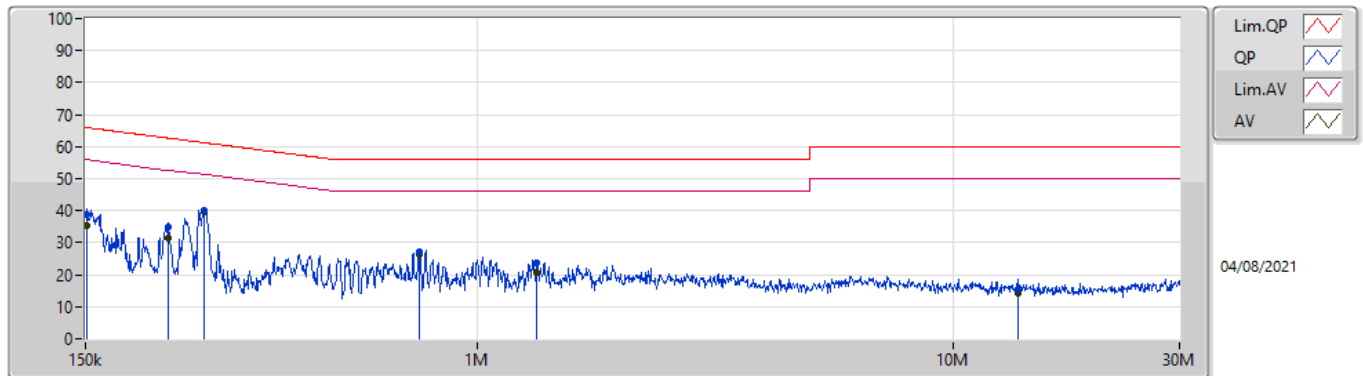
Mode	Result	Type	Freq (Hz)	Level (dBUV)	Limit (dBUV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	150k	38.39	66.00	-27.61	Line	-
Mode 1	Pass	AV	150k	34.32	56.00	-21.68	Line	-
Mode 1	Pass	QP	245.097k	36.59	61.93	-25.34	Line	-
Mode 1	Pass	AV	245.097k	34.36	51.93	-17.57	Line	-
Mode 1	Pass	QP	266.53k	39.11	61.22	-22.11	Line	-
Mode 1	Pass	AV	266.53k	38.75	51.22	-12.47	Line	-
Mode 1	Pass	QP	780.036k	26.88	56.00	-29.12	Line	-
Mode 1	Pass	AV	780.036k	24.94	46.00	-21.06	Line	-
Mode 1	Pass	QP	1.316M	23.75	56.00	-32.25	Line	-
Mode 1	Pass	AV	1.316M	20.48	46.00	-25.52	Line	-
Mode 1	Pass	QP	7.869M	16.63	60.00	-43.37	Line	-
Mode 1	Pass	AV	7.869M	15.33	50.00	-34.67	Line	-
Mode 1	Pass	QP	151.202k	38.95	65.92	-26.97	Neutral	-
Mode 1	Pass	AV	151.202k	35.22	55.92	-20.70	Neutral	-
Mode 1	Pass	QP	224.49k	35.01	62.65	-27.64	Neutral	-
Mode 1	Pass	AV	224.49k	31.41	52.65	-21.24	Neutral	-
Mode 1	Pass	QP	266.53k	39.97	61.22	-21.25	Neutral	-
Mode 1	Pass	AV	266.53k	39.55	51.22	-11.67	Neutral	-
Mode 1	Pass	QP	755.518k	27.33	56.00	-28.67	Neutral	-
Mode 1	Pass	AV	755.518k	26.17	46.00	-19.83	Neutral	-
Mode 1	Pass	QP	1.337M	23.80	56.00	-32.20	Neutral	-
Mode 1	Pass	AV	1.337M	20.53	46.00	-25.47	Neutral	-
Mode 1	Pass	QP	13.706M	15.71	60.00	-44.29	Neutral	-
Mode 1	Pass	AV	13.706M	14.43	50.00	-35.57	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	38.39	66.00	-27.61	19.63	Line	-	18.76	9.69	0.04	9.90			
AV	150k	34.32	56.00	-21.68	19.63	Line	-	14.69	9.69	0.04	9.90			
QP	245.097k	36.59	61.93	-25.34	19.63	Line	-	16.96	9.68	0.05	9.90			
AV	245.097k	34.36	51.93	-17.57	19.63	Line	-	14.73	9.68	0.05	9.90			
QP	266.53k	39.11	61.22	-22.11	19.63	Line	-	19.48	9.68	0.05	9.90			
AV	266.53k	38.75	51.22	-12.47	19.63	Line	-	19.12	9.68	0.05	9.90			
QP	780.036k	26.88	56.00	-29.12	19.57	Line	-	7.31	9.67	0.07	9.83			
AV	780.036k	24.94	46.00	-21.06	19.57	Line	-	5.37	9.67	0.07	9.83			
QP	1.316M	23.75	56.00	-32.25	19.56	Line	-	4.19	9.67	0.09	9.80			
AV	1.316M	20.48	46.00	-25.52	19.56	Line	-	0.92	9.67	0.09	9.80			
QP	7.869M	16.63	60.00	-43.37	19.79	Line	-	-3.16	9.71	0.18	9.90			
AV	7.869M	15.33	50.00	-34.67	19.79	Line	-	-4.46	9.71	0.18	9.90			

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	151.202k	38.95	65.92	-26.97	19.63	Neutral	-	19.32	9.69	0.04	9.90			
AV	151.202k	35.22	55.92	-20.70	19.63	Neutral	-	15.59	9.69	0.04	9.90			
QP	224.49k	35.01	62.65	-27.64	19.62	Neutral	-	15.39	9.68	0.04	9.90			
AV	224.49k	31.41	52.65	-21.24	19.62	Neutral	-	11.79	9.68	0.04	9.90			
QP	266.53k	39.97	61.22	-21.25	19.63	Neutral	-	20.34	9.68	0.05	9.90			
AV	266.53k	39.55	51.22	-11.67	19.63	Neutral	-	19.92	9.68	0.05	9.90			
QP	755.518k	27.33	56.00	-28.67	19.57	Neutral	-	7.76	9.67	0.07	9.83			
AV	755.518k	26.17	46.00	-19.83	19.57	Neutral	-	6.60	9.67	0.07	9.83			
QP	1.337M	23.80	56.00	-32.20	19.56	Neutral	-	4.24	9.67	0.09	9.80			
AV	1.337M	20.53	46.00	-25.47	19.56	Neutral	-	0.97	9.67	0.09	9.80			
QP	13.706M	15.71	60.00	-44.29	19.88	Neutral	-	-4.17	9.74	0.24	9.90			
AV	13.706M	14.43	50.00	-35.57	19.88	Neutral	-	-5.45	9.74	0.24	9.90			

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	7.55M	12.369M	12M4G1D	7M	11.119M
802.11g_Nss1,(6Mbps)_2TX	16.35M	17.091M	17M1D1D	16.3M	16.642M
802.11n HT20_Nss1,(MCS0)_2TX	17.575M	17.941M	17M9D1D	17.525M	17.766M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-
2412MHz	Pass	500k	7M	11.144M		
2437MHz	Pass	500k	7.55M	12.369M		
2462MHz	Pass	500k	7.05M	11.119M		
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.767M	16.35M	16.667M
2437MHz	Pass	500k	16.325M	17.091M	16.3M	17.016M
2462MHz	Pass	500k	16.35M	16.692M	16.325M	16.642M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.55M	17.816M	17.55M	17.766M
2437MHz	Pass	500k	17.55M	17.941M	17.575M	17.866M
2462MHz	Pass	500k	17.525M	17.816M	17.55M	17.791M

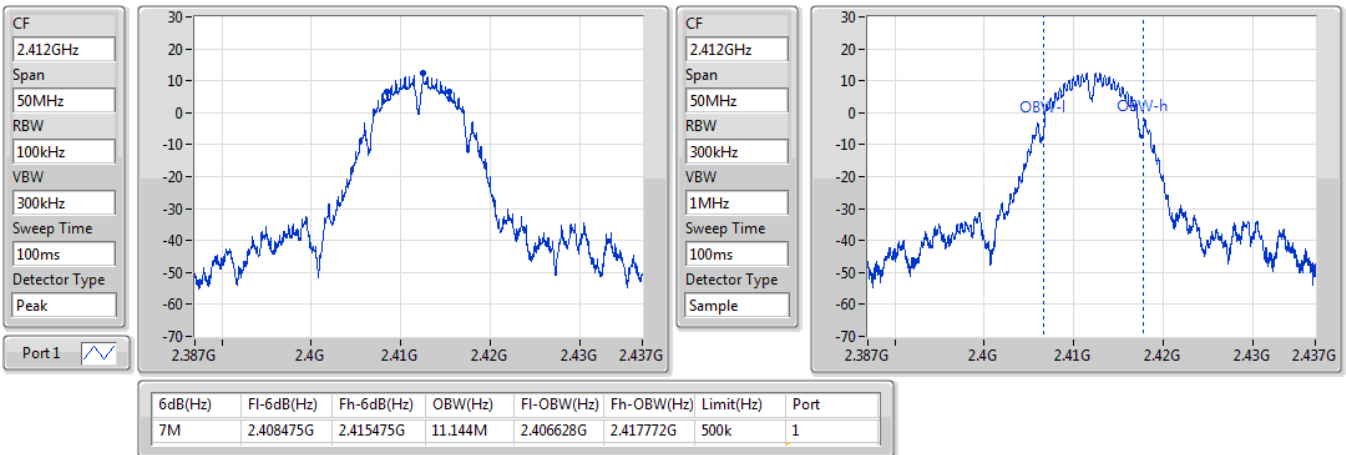
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11b_Nss1,(1Mbps)_1TX

EBW

2412MHz

04/08/2021

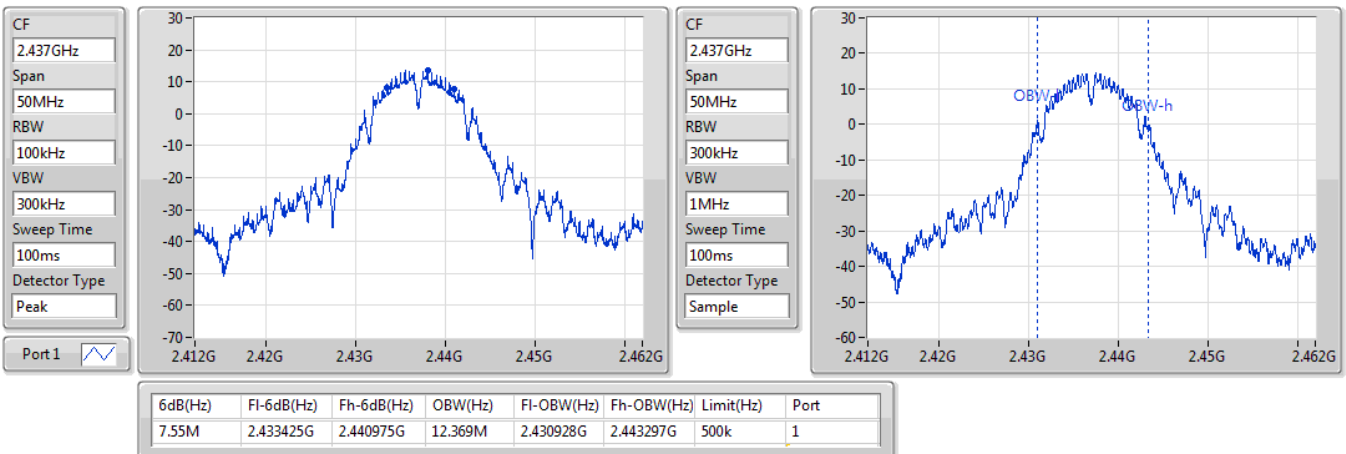


802.11b_Nss1,(1Mbps)_1TX

EBW

2437MHz

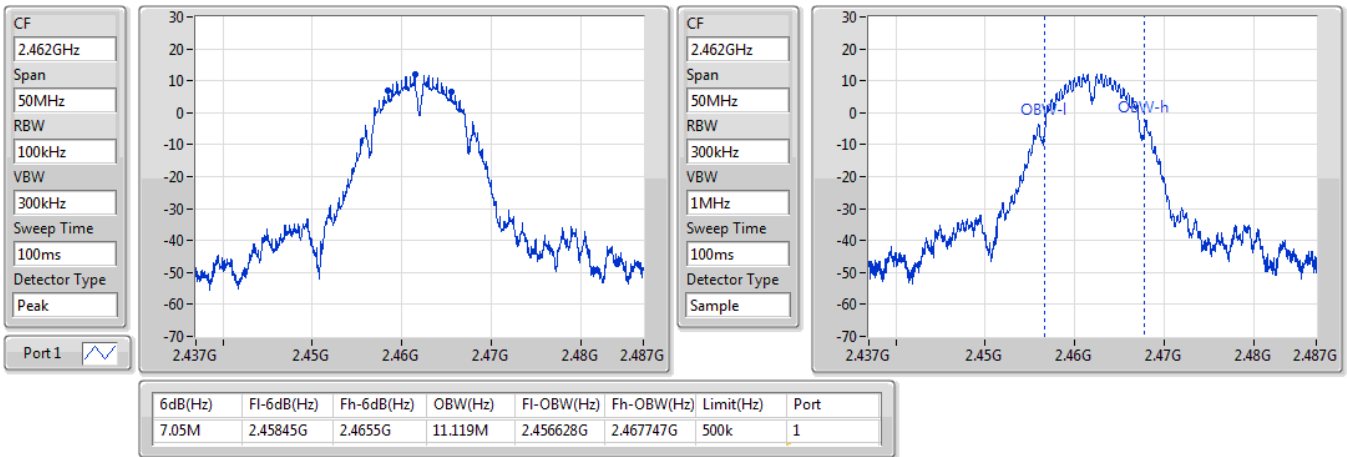
04/08/2021



802.11b_Nss1,(1Mbps)_1TX

EBW
2462MHz

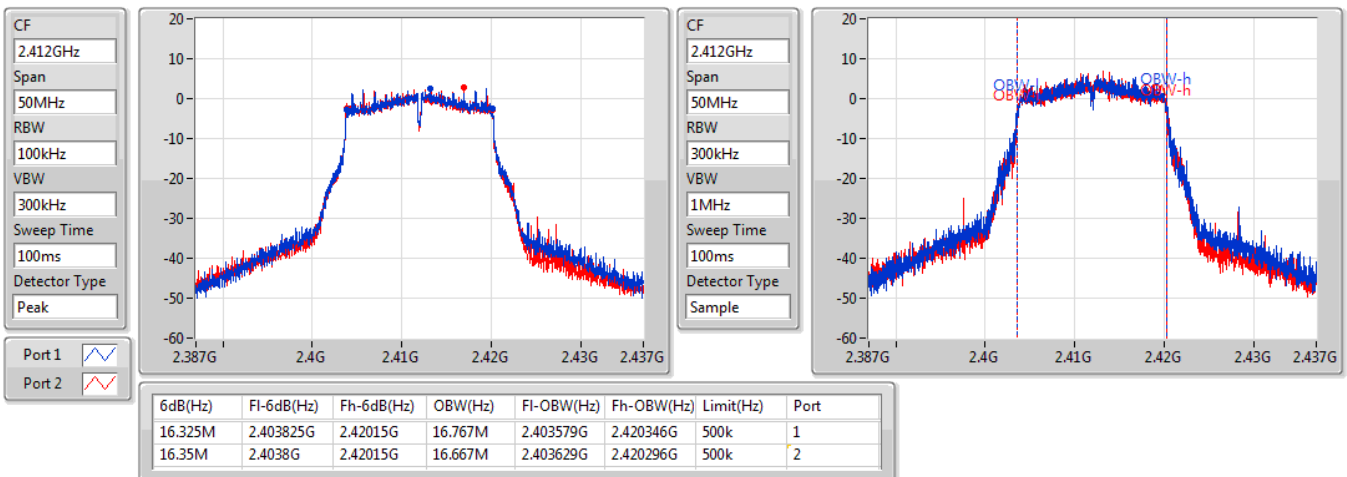
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802.11g_Nss1,(6Mbps)_2TX

EBW
2412MHz

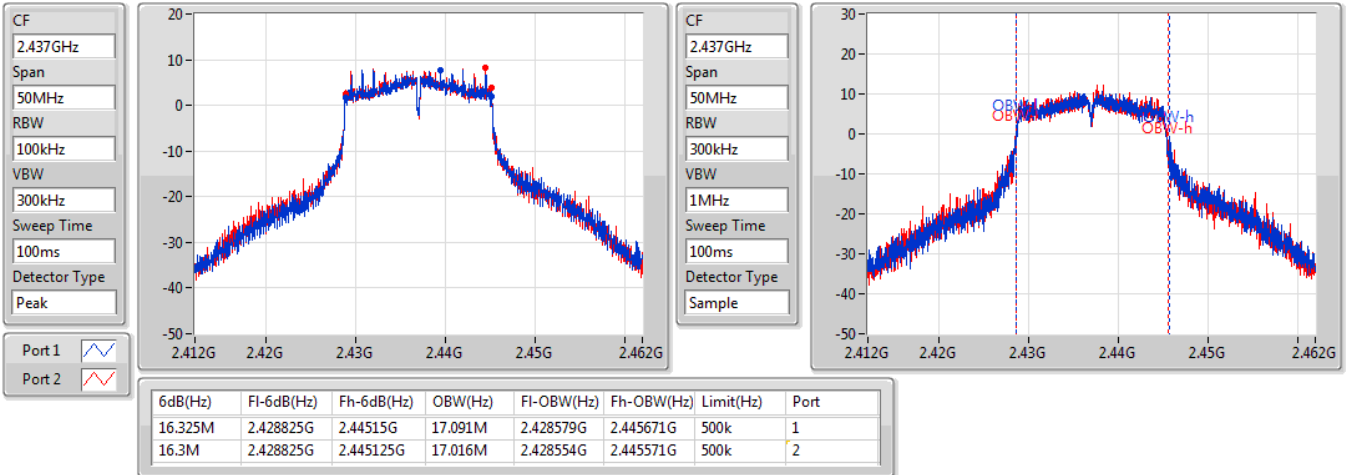
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802.11g_Nss1,(6Mbps)_2TX

2437MHz

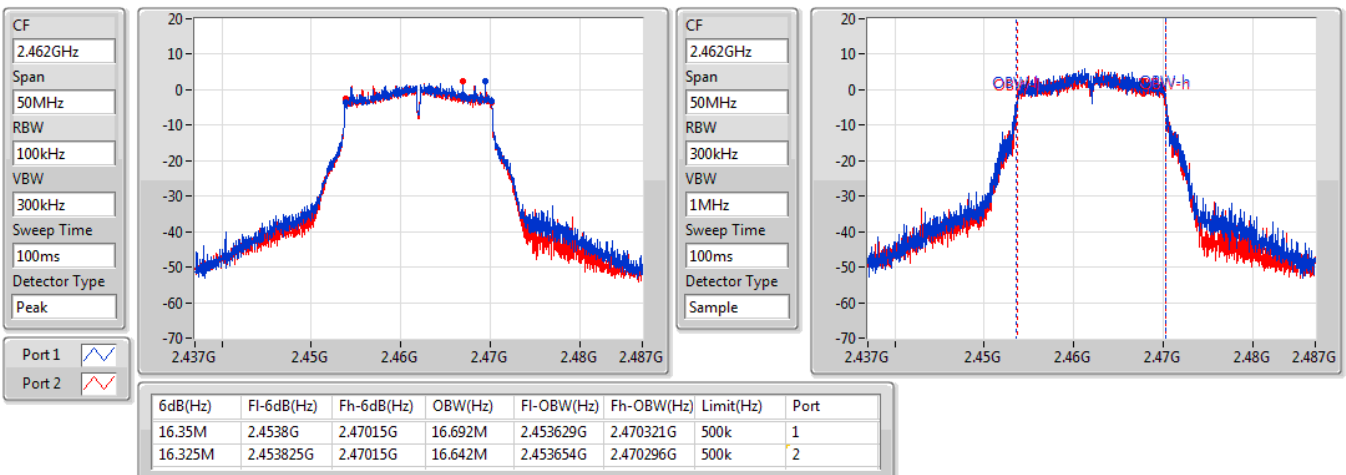
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802.11g_Nss1,(6Mbps)_2TX

2462MHz

04/08/2021

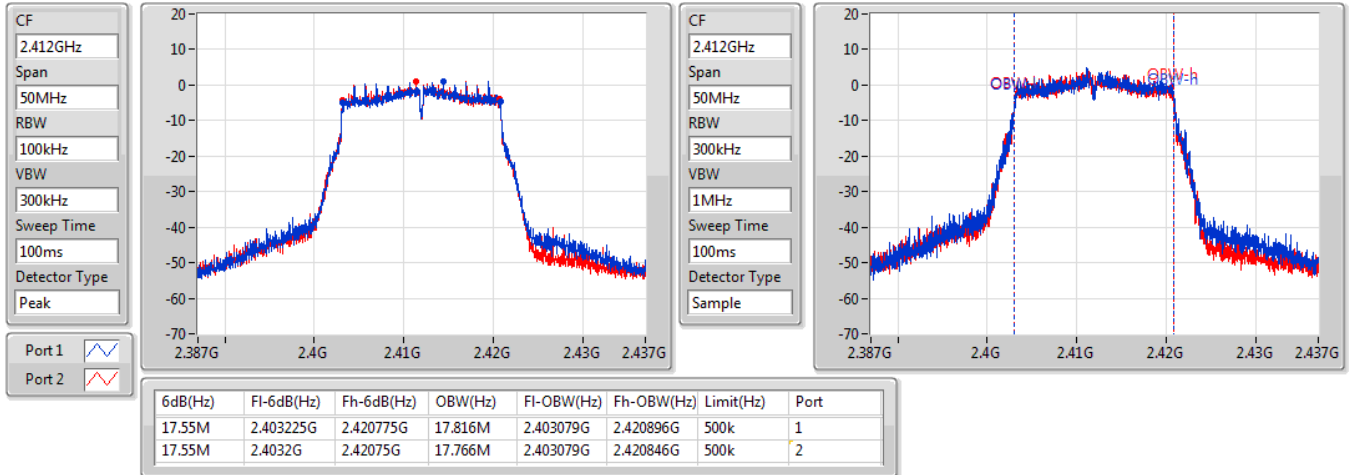


802.11n HT20_Nss1,(MCS0)_2TX

EBW

2412MHz

04/08/2021

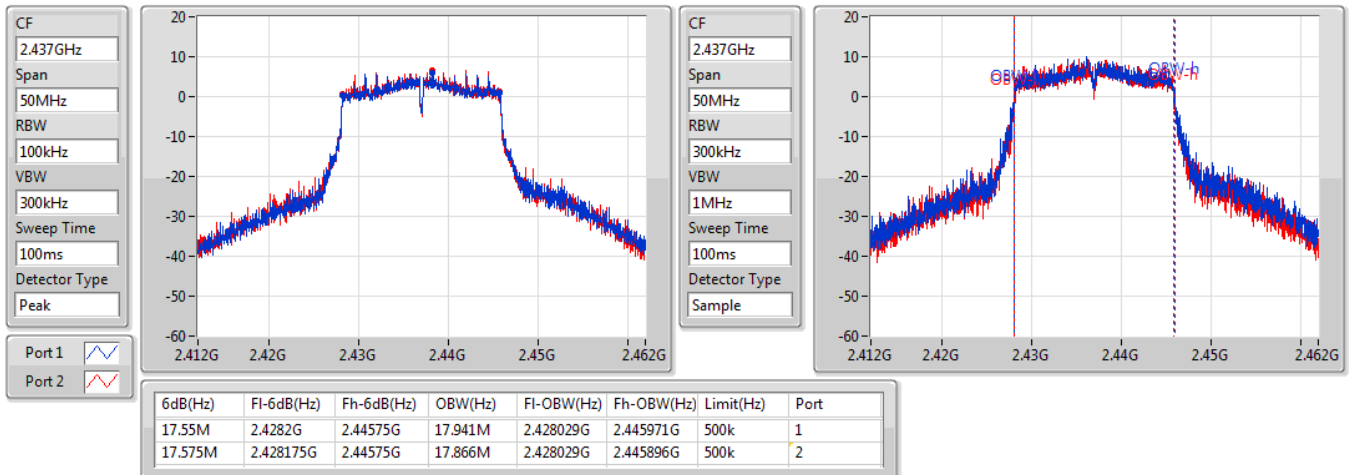


802.11n HT20_Nss1,(MCS0)_2TX

EBW

2437MHz

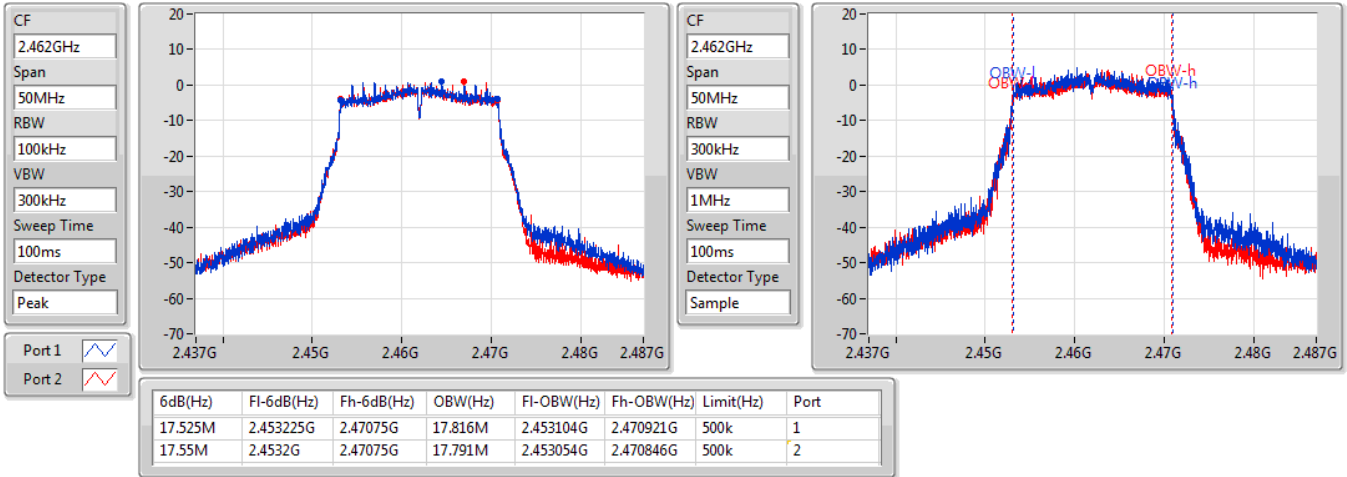
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802.11n HT20_Nss1,(MCS0)_2TX

2462MHz

04/08/2021





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	22.65	0.18408
802.11g_Nss1,(6Mbps)_2TX	23.34	0.21577
802.11n HT20_Nss1,(MCS0)_2TX	21.86	0.15346

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-
2412MHz	Pass	2.74	20.70		20.70	30.00
2417MHz	Pass	2.74	20.62		20.62	30.00
2437MHz	Pass	2.74	22.65		22.65	30.00
2457MHz	Pass	2.74	20.35		20.35	30.00
2462MHz	Pass	2.74	20.19		20.19	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.74	15.53	15.29	18.42	30.00
2417MHz	Pass	2.74	17.99	17.54	20.78	30.00
2437MHz	Pass	2.74	20.28	20.37	23.34	30.00
2457MHz	Pass	2.74	17.19	16.90	20.06	30.00
2462MHz	Pass	2.74	15.06	14.84	17.96	30.00
802.11n_HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.74	13.65	13.60	16.64	30.00
2417MHz	Pass	2.74	16.38	16.47	19.44	30.00
2437MHz	Pass	2.74	18.94	18.75	21.86	30.00
2457MHz	Pass	2.74	16.21	16.04	19.14	30.00
2462MHz	Pass	2.74	13.77	13.45	16.62	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	-0.10
802.11g_Nss1,(6Mbps)_2TX	-2.59
802.11n HT20_Nss1,(MCS0)_2TX	-4.62

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-
2412MHz	Pass	2.74	-2.07		-2.07	8.00
2437MHz	Pass	2.74	-0.10		-0.10	8.00
2462MHz	Pass	2.74	-2.92		-2.92	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.75	-10.99	-10.18	-7.85	8.00
2437MHz	Pass	5.75	-4.70	-4.63	-2.59	8.00
2462MHz	Pass	5.75	-10.22	-10.56	-8.76	8.00
802.11n_HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.75	-11.88	-11.56	-9.94	8.00
2437MHz	Pass	5.75	-6.77	-6.71	-4.62	8.00
2462MHz	Pass	5.75	-11.53	-12.25	-10.07	8.00

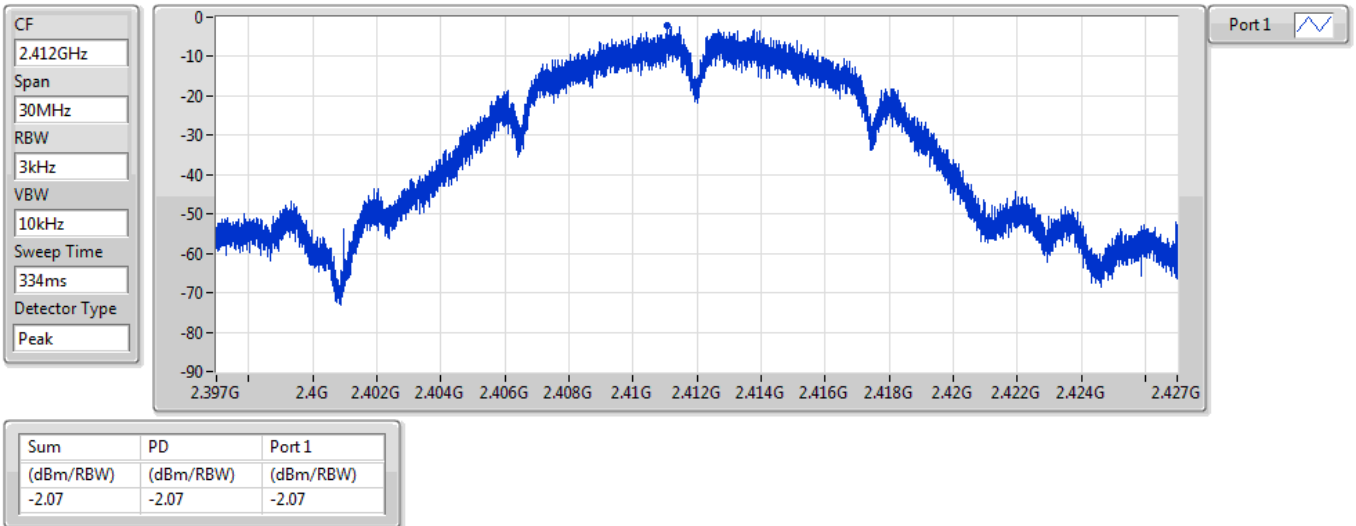
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11b_Nss1,(1Mbps)_1TX

PSD

2412MHz

04/08/2021

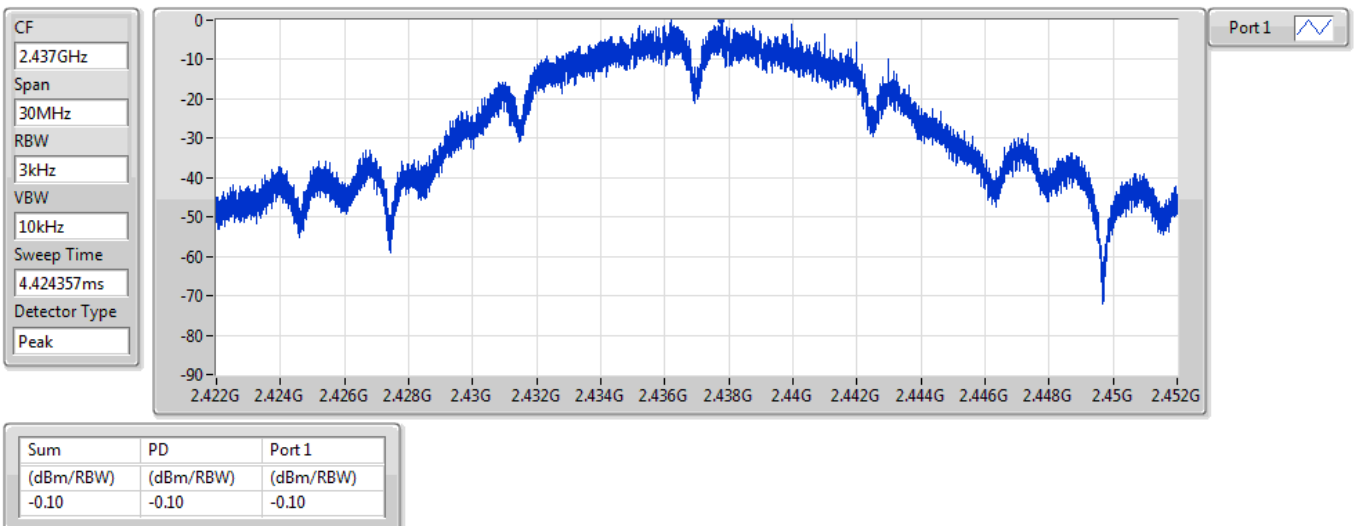


802.11b_Nss1,(1Mbps)_1TX

PSD

2437MHz

04/08/2021

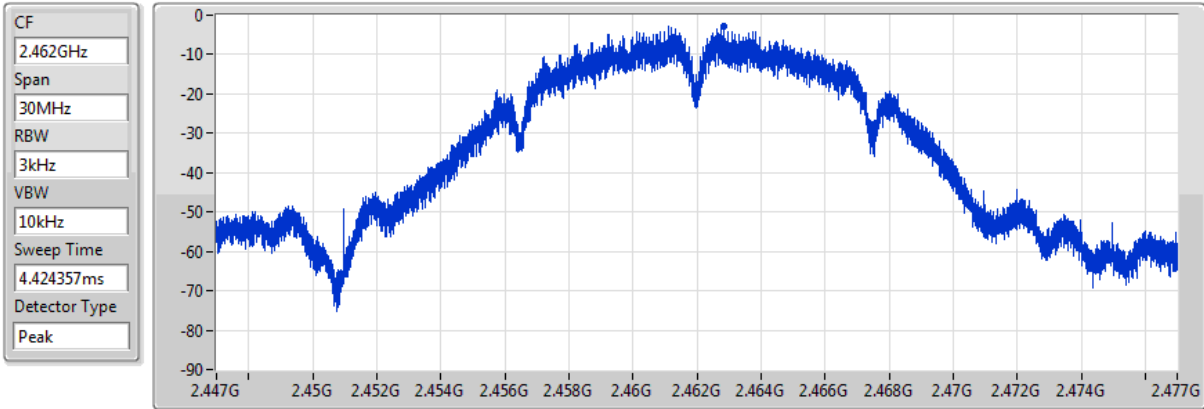


802.11b_Nss1,(1Mbps)_1TX

PSD

2462MHz

04/08/2021



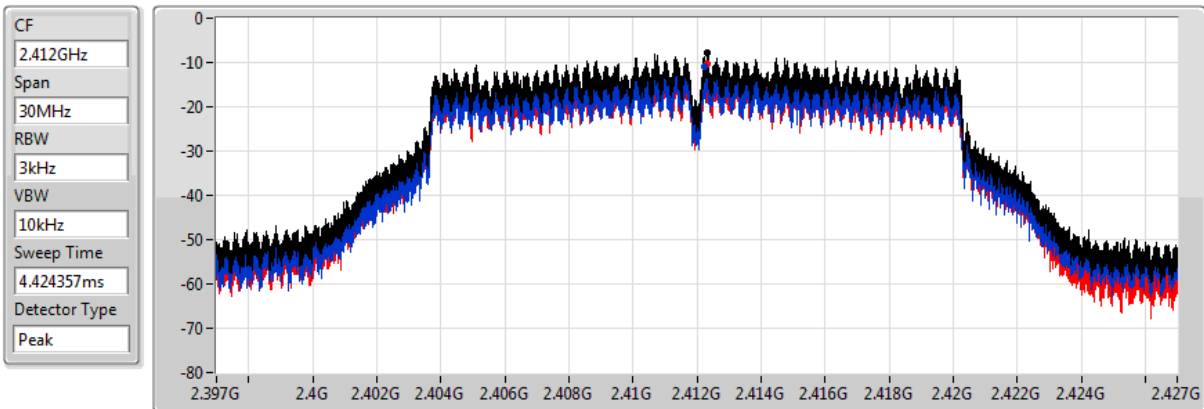
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.92	-2.92	-2.92

802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

04/08/2021



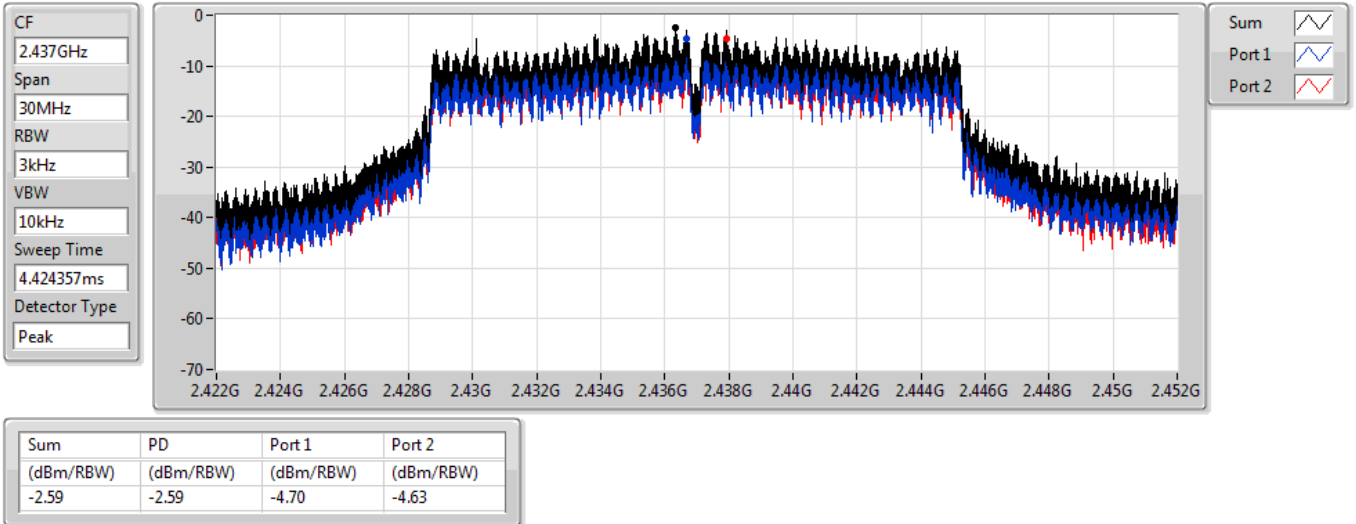
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.85	-7.85	-10.99	-10.18

802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

04/08/2021

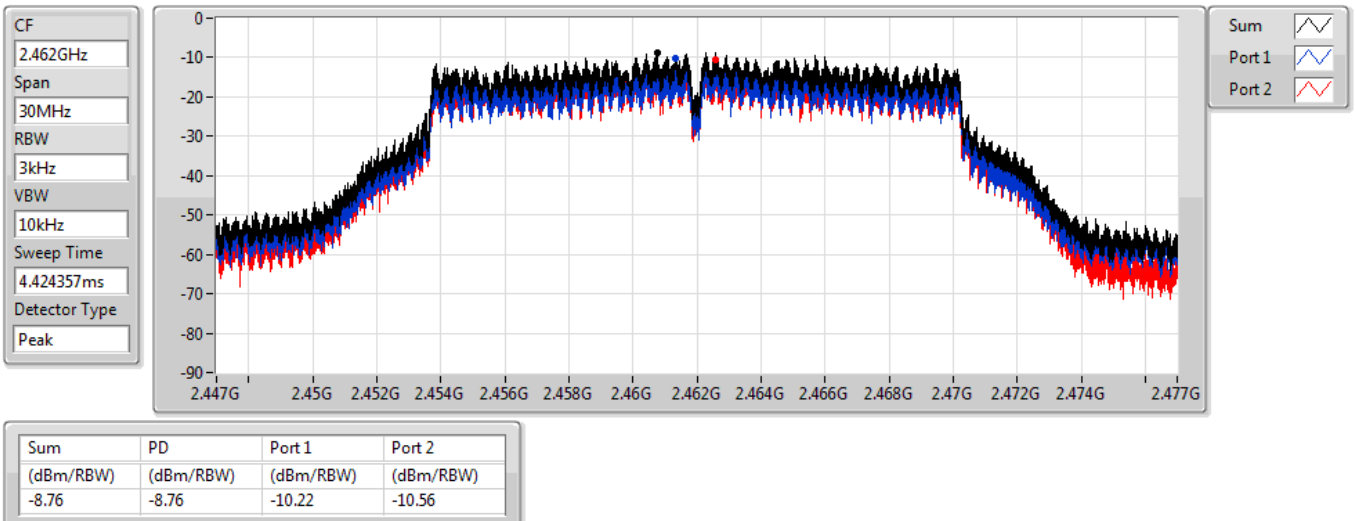


802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

04/08/2021

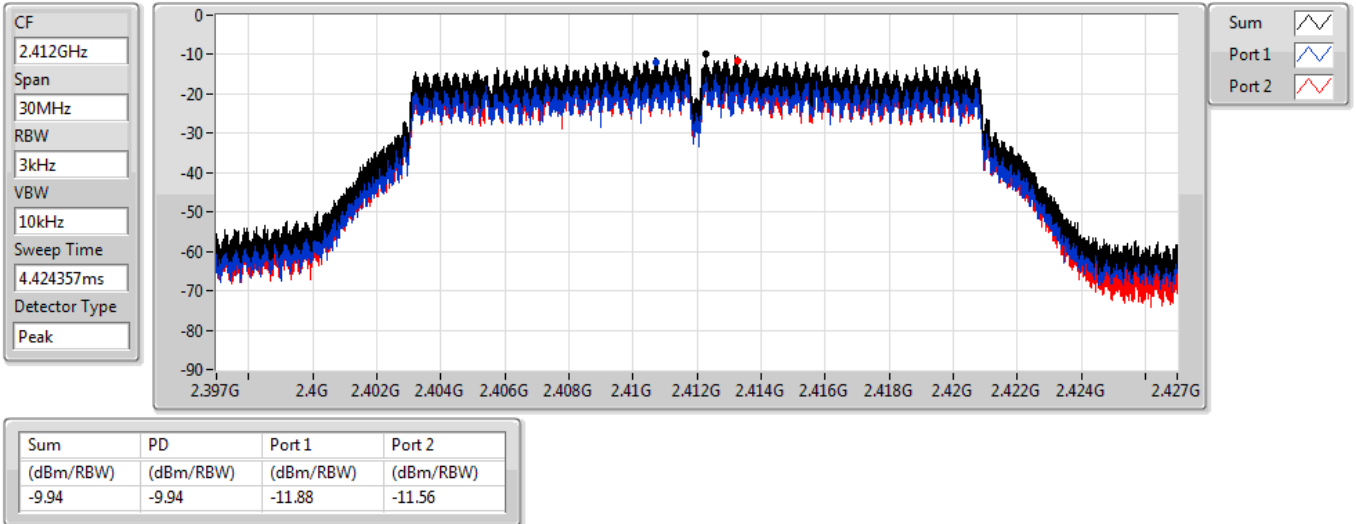


802.11n HT20_Nss1,(MCS0)_2TX

PSD

2412MHz

04/08/2021

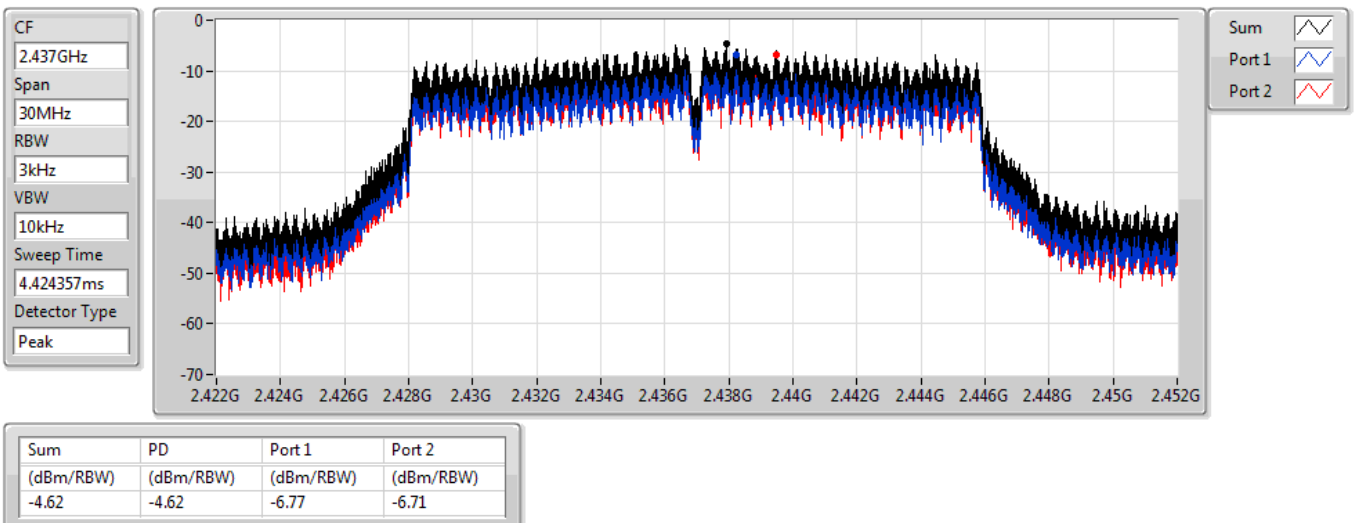


802.11n HT20_Nss1,(MCS0)_2TX

PSD

2437MHz

04/08/2021

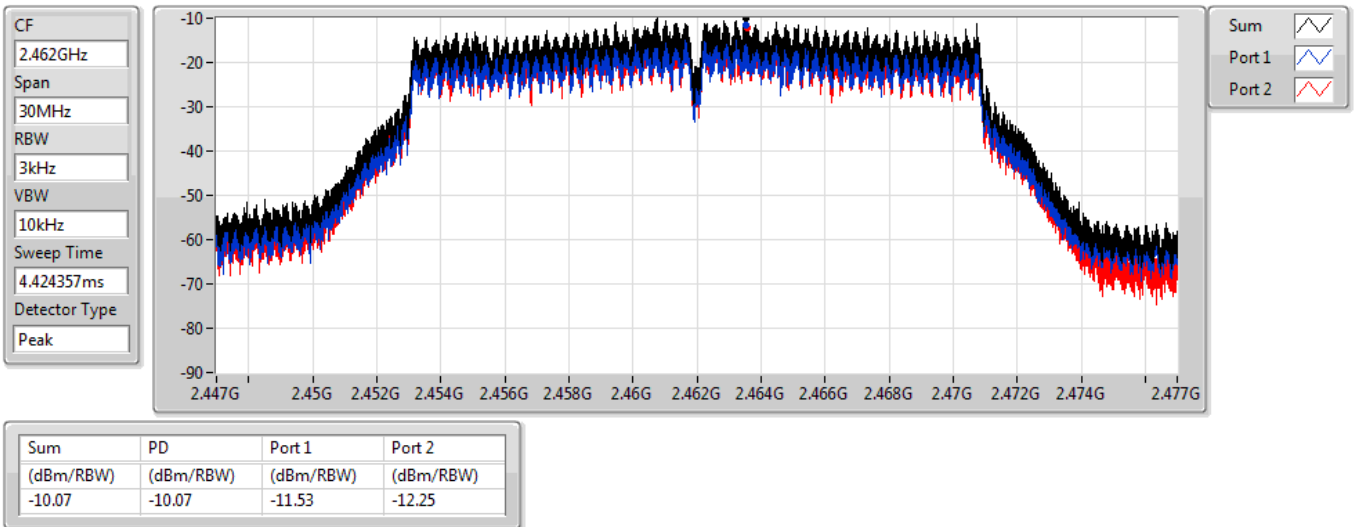


802.11n HT20_Nss1,(MCS0)_2TX

2462MHz

PSD

04/08/2021





Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.43749G	13.60	-16.40	2.3G	-55.23	2.39898G	-34.46	2.4G	-45.20	2.48498G	-50.20	16.60784G	-43.90	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43945G	7.84	-22.16	2.00468G	-54.30	2.39944G	-30.38	2.4G	-33.65	2.50162G	-50.97	24.33694G	-43.57	2
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.46196G	3.63	-26.37	2.09671G	-54.22	2.39986G	-35.62	2.4G	-37.17	2.49924G	-51.63	17.61928G	-44.01	1

Result

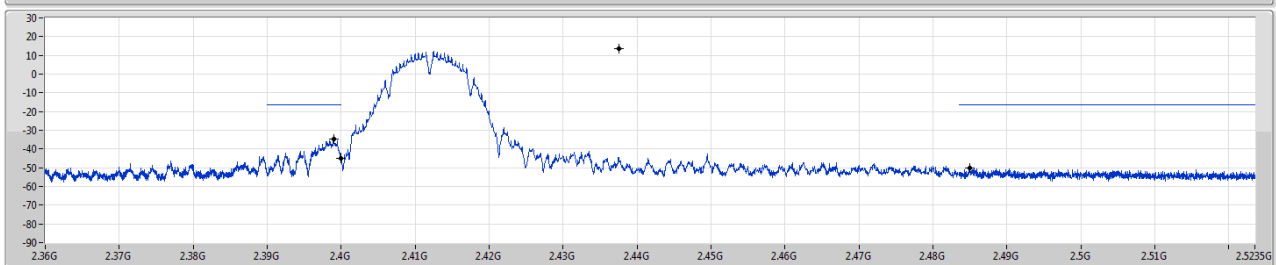
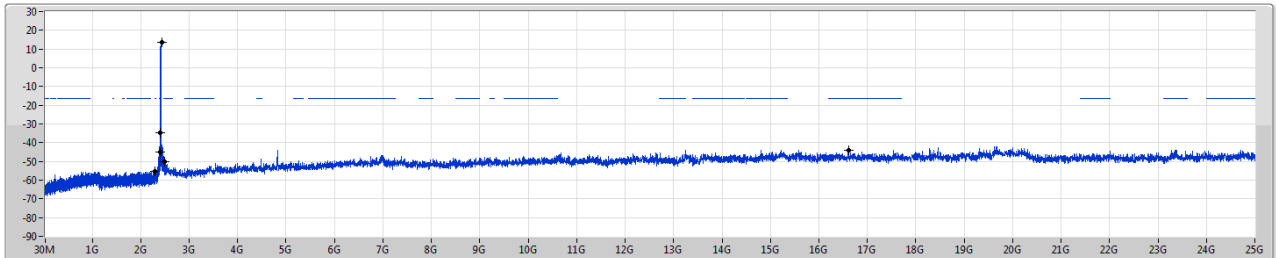
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43749G	13.60	-16.40	2.3G	-55.23	2.39898G	-34.46	2.4G	-45.20	2.48498G	-50.20	16.60784G	-43.90	1
2437MHz	Pass	2.43749G	13.60	-16.40	849.29M	-54.80	2.3965G	-43.31	2.4835G	-51.96	2.49646G	-45.94	23.25526G	-43.51	1
2462MHz	Pass	2.43749G	13.60	-16.40	2.1937G	-54.99	2.39264G	-52.81	2.4835G	-43.43	2.4835G	-44.33	24.88762G	-43.62	1
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43945G	7.84	-22.16	2.30437G	-54.45	2.39854G	-31.75	2.4G	-33.97	2.48394G	-50.51	23.31145G	-43.89	1
2412MHz	Pass	2.43945G	7.84	-22.16	2.00468G	-54.30	2.39944G	-30.38	2.4G	-33.65	2.50162G	-50.97	24.33694G	-43.57	2
2437MHz	Pass	2.43945G	7.84	-22.16	2.12438G	-54.97	2.3972G	-40.44	2.4G	-43.36	2.48438G	-41.81	24.50833G	-43.90	1
2437MHz	Pass	2.43945G	7.84	-22.16	2.10661G	-54.32	2.39962G	-38.90	2.4G	-41.77	2.48374G	-44.00	14.85186G	-43.72	2
2462MHz	Pass	2.43945G	7.84	-22.16	1.97293G	-54.56	2.39306G	-52.68	2.4835G	-47.65	2.48444G	-40.88	24.38471G	-43.89	1
2462MHz	Pass	2.43945G	7.84	-22.16	2.15205G	-54.82	2.39766G	-53.33	2.4835G	-48.37	2.4835G	-46.04	24.66004G	-43.04	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.46196G	3.63	-26.37	2.09671G	-54.22	2.39986G	-35.62	2.4G	-37.17	2.49924G	-51.63	17.61928G	-44.01	1
2412MHz	Pass	2.46196G	3.63	-26.37	879.58M	-54.18	2.39974G	-39.06	2.4G	-40.40	2.4864G	-51.62	24.74995G	-43.77	2
2437MHz	Pass	2.44196G	6.48	-23.52	2.13865G	-54.33	2.39744G	-44.24	2.4G	-45.40	2.48356G	-45.52	15.2761G	-43.69	1
2437MHz	Pass	2.44196G	6.48	-23.52	2.1602G	-54.57	2.39976G	-43.72	2.4G	-45.13	2.487G	-47.93	24.74995G	-43.46	2
2462MHz	Pass	2.46196G	3.63	-26.37	2.12176G	-54.11	2.39408G	-53.81	2.4835G	-49.10	2.48384G	-46.34	15.15248G	-43.52	1
2462MHz	Pass	2.46196G	3.63	-26.37	2.30583G	-54.80	2.39094G	-52.62	2.4835G	-52.09	2.48402G	-49.21	15.20025G	-43.50	2

802.11b_Nss1,(1Mbps)_1TX

2412MHz

CSEndB

04/08/2021



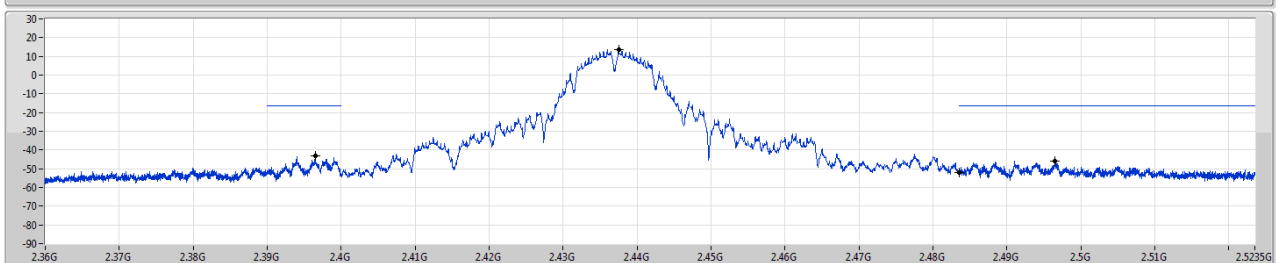
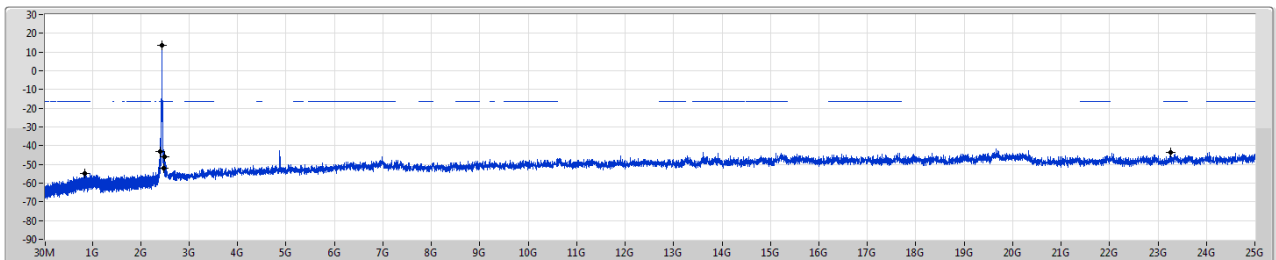
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43749G	13.60	-16.40	2.3G	-55.23	2.39898G	-34.46	2.4G	-45.20	2.48498G	-50.20	16.60784G	-43.90	1

802.11b_Nss1,(1Mbps)_1TX

2437MHz

CSEndB

04/08/2021



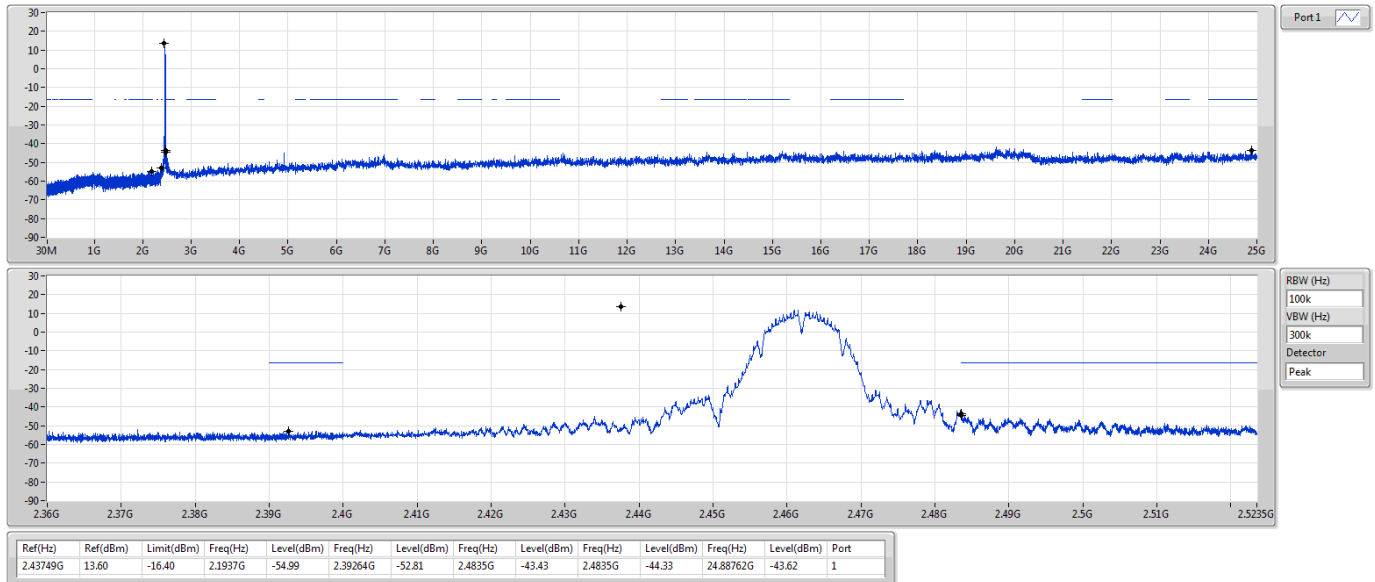
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2.43749G	13.60	-16.40	849.29M	-54.80	2.3965G	-43.31	2.4835G	-51.96	2.49646G	-45.94	23.25526G	-43.51	1

802.11b_Nss1,(1Mbps)_1TX

2462MHz

CSENdB

04/08/2021

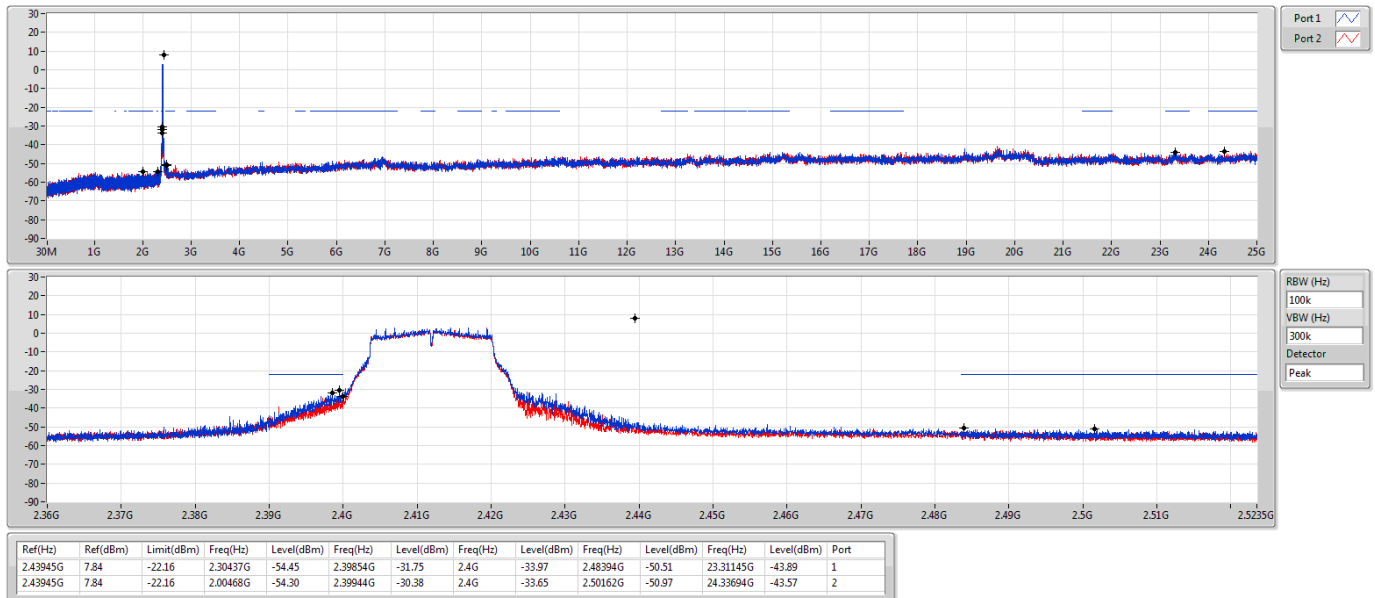


802.11g_Nss1,(6Mbps)_2TX

2412MHz

CSENdB

04/08/2021

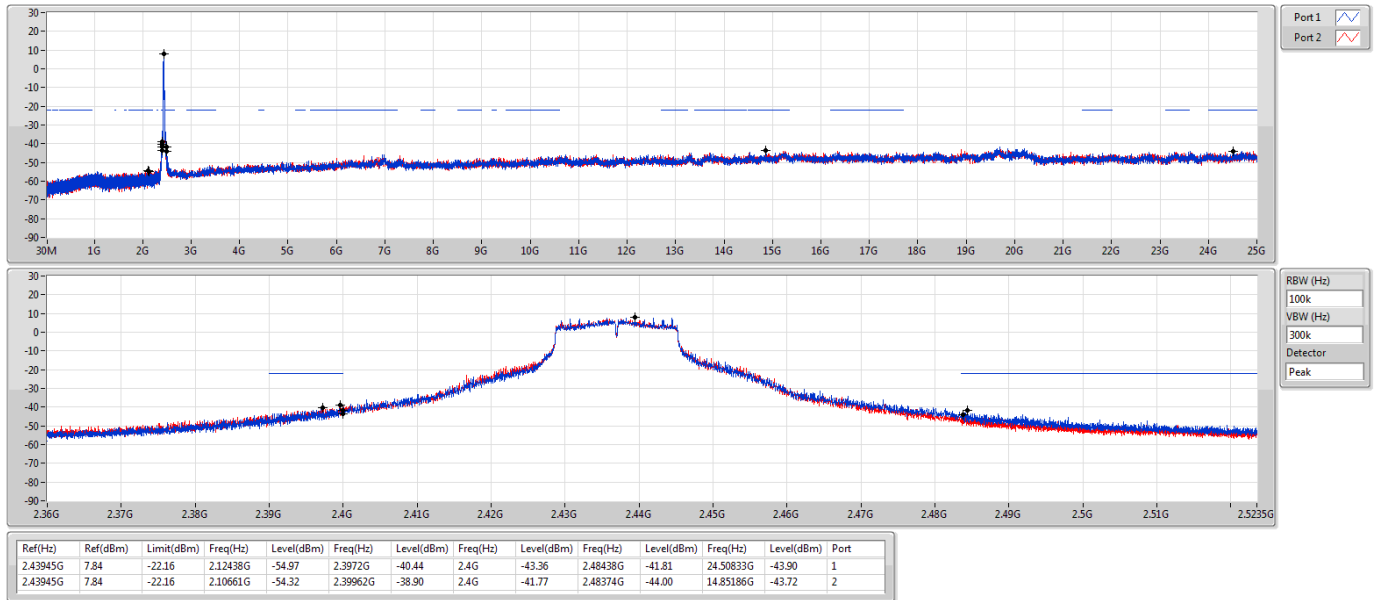


802.11g_Nss1,(6Mbps)_2TX

2437MHz

CSENdB

04/08/2021

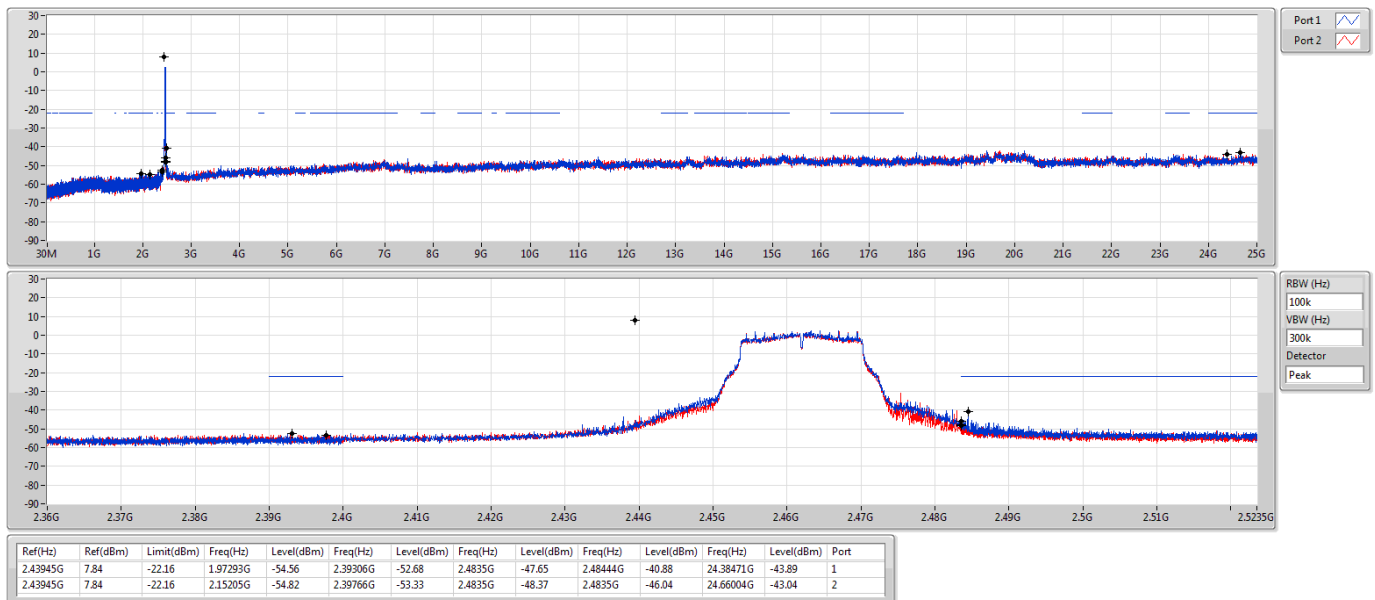


802.11g_Nss1,(6Mbps)_2TX

2462MHz

CSENdB

04/08/2021

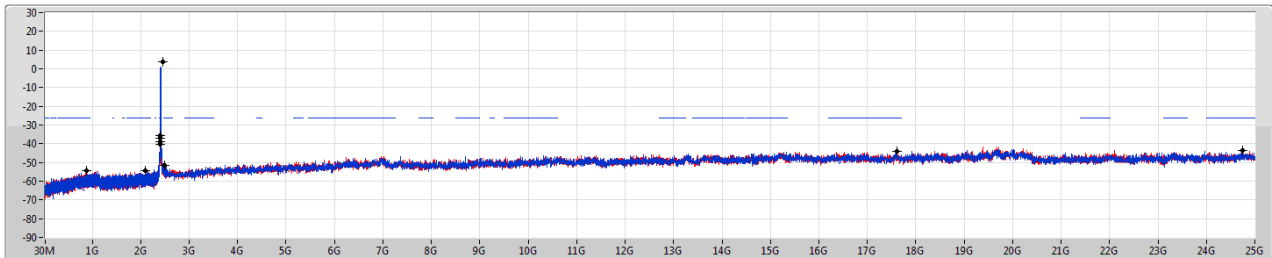


802.11n HT20_Nss1,(MCS0)_2TX

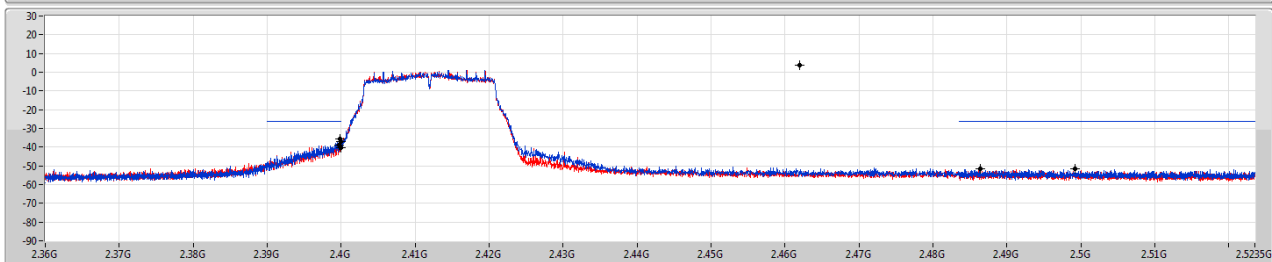
2412MHz

CSENdB

04/08/2021



Port 1
Port 2



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

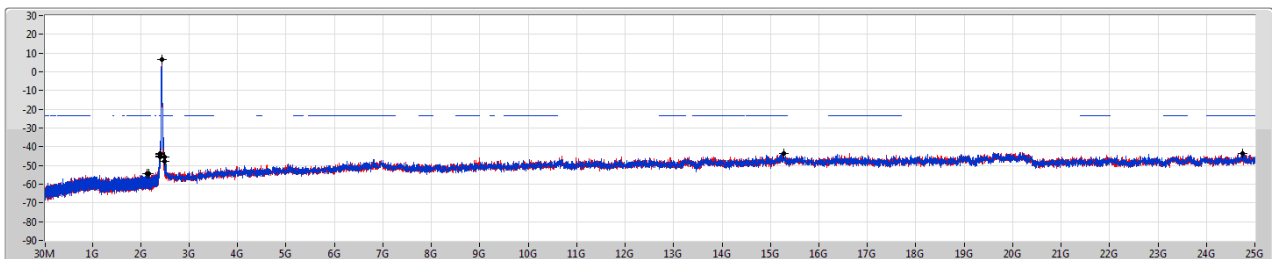
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46196G	3.63	-26.37	2.09671G	-54.22	2.39986G	-35.62	2.4G	-37.17	2.49924G	-51.63	17.61928G	-44.01	1
2.46196G	3.63	-26.37	879.58M	-54.18	2.39974G	-39.06	2.4G	-40.40	2.4864G	-51.62	24.74995G	-43.77	2

802.11n HT20_Nss1,(MCS0)_2TX

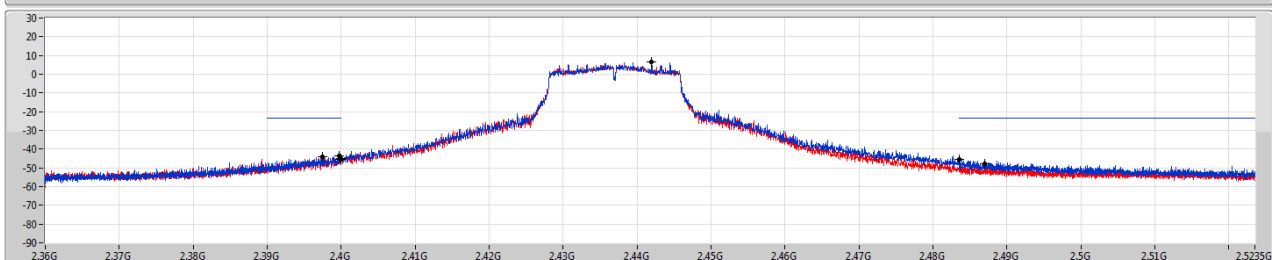
2437MHz

CSENdB

04/08/2021



Port 1
Port 2



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

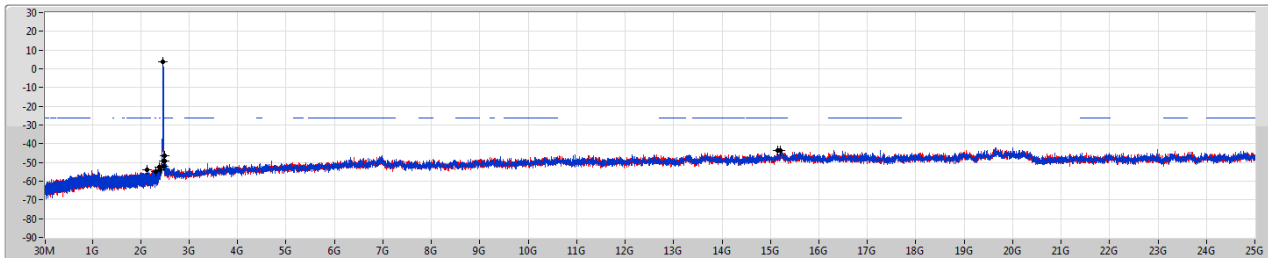
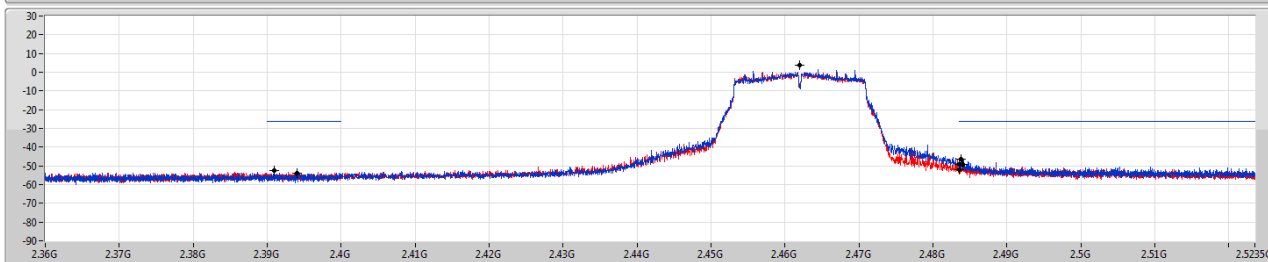
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	6.48	-23.52	2.13865G	-54.33	2.39744G	-44.24	2.4G	-45.40	2.48356G	-45.52	15.2761G	-43.69	1
2.44196G	6.48	-23.52	2.1602G	-54.57	2.39976G	-43.72	2.4G	-45.13	2.487G	-47.93	24.74995G	-43.46	2

802.11n HT20_Nss1,(MCS0)_2TX

CSENdB

2462MHz

04/08/2021

Port 1
Port 2RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46196G	3.63	-26.37	2.12176G	-54.11	2.39408G	-53.81	2.4835G	-49.10	2.48384G	-46.34	15.15248G	-43.52	1
2.46196G	3.63	-26.37	2.30583G	-54.80	2.39094G	-52.62	2.4835G	-52.09	2.48402G	-49.21	15.20025G	-43.50	2



Summary

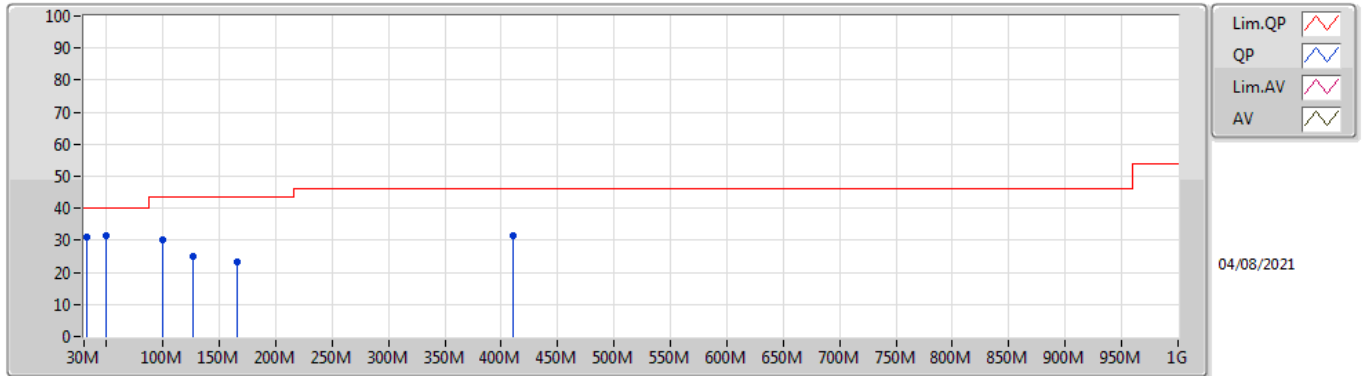
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	PK	49.4M	31.36	40.00	-8.64	3	Vertical	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT20_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	31.94M	31.21	40.00	-8.79	3	Vertical	0	1.00	-
2437MHz	Pass	PK	49.4M	31.36	40.00	-8.64	3	Vertical	0	1.00	-
2437MHz	Pass	PK	99.84M	30.15	43.50	-13.35	3	Vertical	0	1.00	-
2437MHz	Pass	PK	127M	24.90	43.50	-18.60	3	Vertical	0	1.00	-
2437MHz	Pass	PK	165.8M	23.13	43.50	-20.37	3	Vertical	0	1.00	-
2437MHz	Pass	PK	410.24M	31.63	46.00	-14.37	3	Vertical	0	1.00	-
2437MHz	Pass	PK	30M	31.04	40.00	-8.96	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	47.46M	29.01	40.00	-10.99	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	99.84M	24.68	43.50	-18.82	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	127M	25.38	43.50	-18.12	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	173.56M	25.86	43.50	-17.64	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	406.36M	34.87	46.00	-11.13	3	Horizontal	360	1.00	-

802.11n HT20_Nss1,(MCS0)_2TX

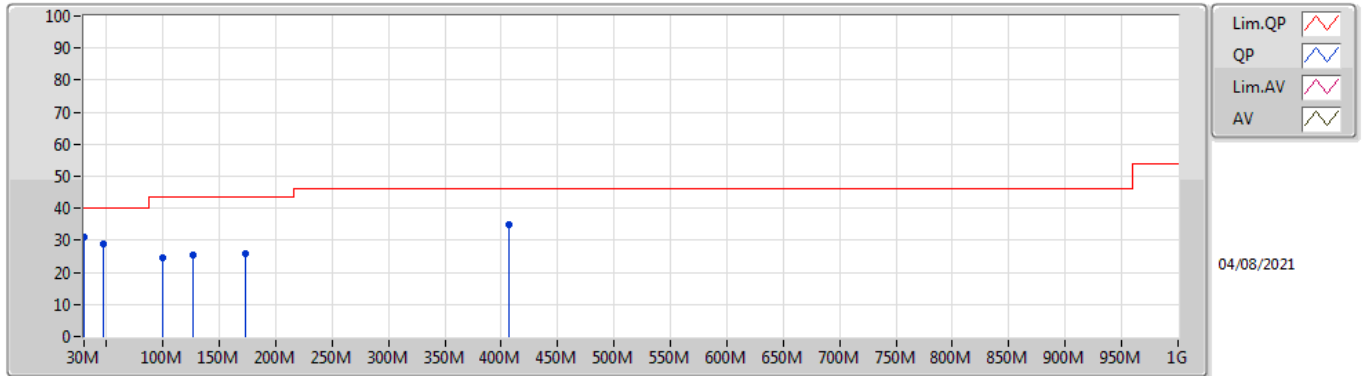
2437MHz_test fixture



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	31.94M	31.21	40.00	-8.79	-4.67	3	Vertical	0	1.00	-	35.88	22.03	0.93	27.63
PK	49.4M	31.36	40.00	-8.64	-13.10	3	Vertical	0	1.00	-	44.46	13.40	1.13	27.63
PK	99.84M	30.15	43.50	-13.35	-9.60	3	Vertical	0	1.00	-	39.75	16.09	1.70	27.39
PK	127M	24.90	43.50	-18.60	-8.13	3	Vertical	0	1.00	-	33.03	17.29	1.92	27.34
PK	165.8M	23.13	43.50	-20.37	-10.10	3	Vertical	0	1.00	-	33.23	14.92	2.16	27.18
PK	410.24M	31.63	46.00	-14.37	-2.22	3	Vertical	0	1.00	-	33.85	21.64	3.50	27.36

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_test fixture



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	31.04	40.00	-8.96	-3.42	3	Horizontal	360	1.00	-	34.46	23.32	0.90	27.64
PK	47.46M	29.01	40.00	-10.99	-12.45	3	Horizontal	360	1.00	-	41.46	14.05	1.11	27.61
PK	99.84M	24.68	43.50	-18.82	-9.60	3	Horizontal	360	1.00	-	34.28	16.09	1.70	27.39
PK	127M	25.38	43.50	-18.12	-8.13	3	Horizontal	360	1.00	-	33.51	17.29	1.92	27.34
PK	173.56M	25.86	43.50	-17.64	-10.22	3	Horizontal	360	1.00	-	36.08	14.73	2.21	27.16
PK	406.36M	34.87	46.00	-11.13	-2.44	3	Horizontal	360	1.00	-	37.31	21.40	3.48	27.32



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	2.4914G	52.76	54.00	-1.24	3	Vertical	281	1.24	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.4835G	52.87	54.00	-1.13	3	Vertical	280	1.21	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	52.87	54.00	-1.13	3	Vertical	295	1.68	-

Result

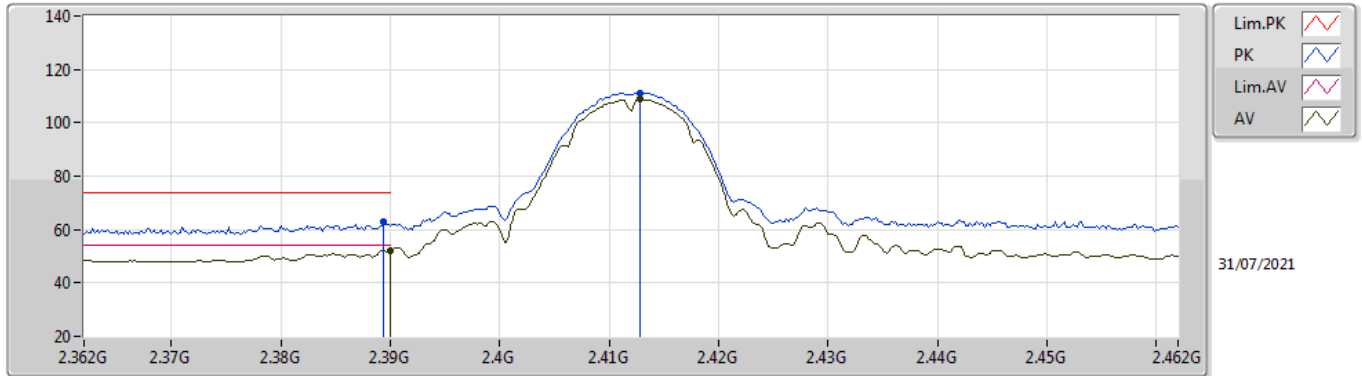
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	52.11	54.00	-1.89	3	Vertical	281	1.11	-
2412MHz	Pass	AV	2.4128G	108.78	Inf	-Inf	3	Vertical	281	1.11	-
2412MHz	Pass	PK	2.3894G	62.77	74.00	-11.23	3	Vertical	281	1.11	-
2412MHz	Pass	PK	2.4128G	111.29	Inf	-Inf	3	Vertical	281	1.11	-
2412MHz	Pass	AV	2.3896G	49.43	54.00	-4.57	3	Horizontal	303	2.57	-
2412MHz	Pass	AV	2.4128G	105.74	Inf	-Inf	3	Horizontal	303	2.57	-
2412MHz	Pass	PK	2.3848G	60.29	74.00	-13.71	3	Horizontal	303	2.57	-
2412MHz	Pass	PK	2.4128G	108.19	Inf	-Inf	3	Horizontal	303	2.57	-
2412MHz	Pass	AV	4.82396G	45.51	54.00	-8.49	3	Vertical	185	1.58	-
2412MHz	Pass	PK	4.82398G	51.04	74.00	-22.96	3	Vertical	185	1.58	-
2412MHz	Pass	AV	4.82398G	43.30	54.00	-10.70	3	Horizontal	322	1.54	-
2412MHz	Pass	PK	4.82392G	49.80	74.00	-24.20	3	Horizontal	322	1.54	-
2417MHz	Pass	AV	2.387G	52.60	54.00	-1.40	3	Vertical	281	1.08	-
2417MHz	Pass	AV	2.4178G	109.02	Inf	-Inf	3	Vertical	281	1.08	-
2417MHz	Pass	PK	2.3848G	62.62	74.00	-11.38	3	Vertical	281	1.08	-
2417MHz	Pass	PK	2.4178G	111.40	Inf	-Inf	3	Vertical	281	1.08	-
2417MHz	Pass	AV	2.3872G	49.88	54.00	-4.12	3	Horizontal	307	1.84	-
2417MHz	Pass	AV	2.4178G	105.35	Inf	-Inf	3	Horizontal	307	1.84	-
2417MHz	Pass	PK	2.3872G	60.91	74.00	-13.09	3	Horizontal	307	1.84	-
2417MHz	Pass	PK	2.4178G	107.77	Inf	-Inf	3	Horizontal	307	1.84	-
2437MHz	Pass	AV	2.383G	50.08	54.00	-3.92	3	Vertical	281	1.24	-
2437MHz	Pass	AV	2.4362G	111.18	Inf	-Inf	3	Vertical	281	1.24	-
2437MHz	Pass	AV	2.4914G	52.76	54.00	-1.24	3	Vertical	281	1.24	-
2437MHz	Pass	PK	2.3898G	61.00	74.00	-13.00	3	Vertical	281	1.24	-
2437MHz	Pass	PK	2.4362G	113.63	Inf	-Inf	3	Vertical	281	1.24	-
2437MHz	Pass	PK	2.4866G	62.60	74.00	-11.40	3	Vertical	281	1.24	-
2437MHz	Pass	AV	2.3894G	48.13	54.00	-5.87	3	Horizontal	300	2.26	-
2437MHz	Pass	AV	2.4362G	108.73	Inf	-Inf	3	Horizontal	300	2.26	-
2437MHz	Pass	AV	2.491G	52.20	54.00	-1.80	3	Horizontal	300	2.26	-
2437MHz	Pass	PK	2.3862G	60.04	74.00	-13.96	3	Horizontal	300	2.26	-
2437MHz	Pass	PK	2.4362G	111.14	Inf	-Inf	3	Horizontal	300	2.26	-
2437MHz	Pass	PK	2.4874G	62.66	74.00	-11.34	3	Horizontal	300	2.26	-
2437MHz	Pass	AV	4.87392G	43.50	54.00	-10.50	3	Vertical	184	1.69	-
2437MHz	Pass	PK	4.87374G	50.38	74.00	-23.62	3	Vertical	184	1.69	-
2437MHz	Pass	AV	4.87392G	40.70	54.00	-13.30	3	Horizontal	331	1.11	-
2437MHz	Pass	PK	4.87394G	49.36	74.00	-24.64	3	Horizontal	331	1.11	-
2457MHz	Pass	AV	2.4562G	108.58	Inf	-Inf	3	Vertical	280	1.08	-
2457MHz	Pass	AV	2.4844G	51.36	54.00	-2.64	3	Vertical	280	1.08	-
2457MHz	Pass	PK	2.456G	110.96	Inf	-Inf	3	Vertical	280	1.08	-
2457MHz	Pass	PK	2.4838G	61.99	74.00	-12.01	3	Vertical	280	1.08	-
2457MHz	Pass	AV	2.4562G	105.90	Inf	-Inf	3	Horizontal	301	2.66	-
2457MHz	Pass	AV	2.4844G	50.23	54.00	-3.77	3	Horizontal	301	2.66	-
2457MHz	Pass	PK	2.456G	108.28	Inf	-Inf	3	Horizontal	301	2.66	-
2457MHz	Pass	PK	2.486G	61.29	74.00	-12.71	3	Horizontal	301	2.66	-
2462MHz	Pass	AV	2.4628G	108.21	Inf	-Inf	3	Vertical	238	1.32	-
2462MHz	Pass	AV	2.4846G	51.57	54.00	-2.43	3	Vertical	238	1.32	-
2462MHz	Pass	PK	2.4628G	110.58	Inf	-Inf	3	Vertical	238	1.32	-
2462MHz	Pass	PK	2.4878G	62.56	74.00	-11.44	3	Vertical	238	1.32	-
2462MHz	Pass	AV	2.4628G	105.95	Inf	-Inf	3	Horizontal	304	1.36	-
2462MHz	Pass	AV	2.4846G	51.15	54.00	-2.85	3	Horizontal	304	1.36	-
2462MHz	Pass	PK	2.4628G	108.36	Inf	-Inf	3	Horizontal	304	1.36	-
2462MHz	Pass	PK	2.484G	62.05	74.00	-11.95	3	Horizontal	304	1.36	-
2462MHz	Pass	AV	4.9239G	42.99	54.00	-11.01	3	Vertical	184	1.63	-
2462MHz	Pass	PK	4.92382G	50.03	74.00	-23.97	3	Vertical	184	1.63	-
2462MHz	Pass	AV	4.92392G	39.58	54.00	-14.42	3	Horizontal	328	1.85	-
2462MHz	Pass	PK	4.92396G	48.57	74.00	-25.43	3	Horizontal	328	1.85	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3898G	52.62	54.00	-1.38	3	Vertical	292	1.00	-
2412MHz	Pass	AV	2.411G	103.88	Inf	-Inf	3	Vertical	292	1.00	-
2412MHz	Pass	PK	2.3896G	68.52	74.00	-5.48	3	Vertical	292	1.00	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	2.4104G	112.48	Inf	-Inf	3	Vertical	292	1.00	-
2412MHz	Pass	AV	2.3898G	52.62	54.00	-1.38	3	Horizontal	304	1.50	-
2412MHz	Pass	AV	2.4144G	101.95	Inf	-Inf	3	Horizontal	304	1.50	-
2412MHz	Pass	PK	2.39G	70.12	74.00	-3.88	3	Horizontal	304	1.50	-
2412MHz	Pass	PK	2.4144G	110.33	Inf	-Inf	3	Horizontal	304	1.50	-
2412MHz	Pass	AV	4.82236G	38.28	54.00	-15.72	3	Vertical	161	2.58	-
2412MHz	Pass	PK	4.82236G	51.34	74.00	-22.66	3	Vertical	161	2.58	-
2412MHz	Pass	AV	4.82356G	36.60	54.00	-17.40	3	Horizontal	18	1.01	-
2412MHz	Pass	PK	4.82888G	49.18	74.00	-24.82	3	Horizontal	18	1.01	-
2417MHz	Pass	AV	2.388G	52.43	54.00	-1.57	3	Vertical	284	2.59	-
2417MHz	Pass	AV	2.4162G	105.86	Inf	-Inf	3	Vertical	284	2.59	-
2417MHz	Pass	PK	2.3866G	68.35	74.00	-5.65	3	Vertical	284	2.59	-
2417MHz	Pass	PK	2.4156G	114.14	Inf	-Inf	3	Vertical	284	2.59	-
2417MHz	Pass	AV	2.3888G	52.43	54.00	-1.57	3	Horizontal	335	1.18	-
2417MHz	Pass	AV	2.4178G	103.05	Inf	-Inf	3	Horizontal	335	1.18	-
2417MHz	Pass	PK	2.3868G	68.46	74.00	-5.54	3	Horizontal	335	1.18	-
2417MHz	Pass	PK	2.4178G	111.58	Inf	-Inf	3	Horizontal	335	1.18	-
2437MHz	Pass	AV	2.3898G	51.88	54.00	-2.12	3	Vertical	280	1.21	-
2437MHz	Pass	AV	2.4358G	108.19	Inf	-Inf	3	Vertical	280	1.21	-
2437MHz	Pass	AV	2.4835G	52.87	54.00	-1.13	3	Vertical	280	1.21	-
2437MHz	Pass	PK	2.3862G	65.91	74.00	-8.09	3	Vertical	280	1.21	-
2437MHz	Pass	PK	2.435G	116.57	Inf	-Inf	3	Vertical	280	1.21	-
2437MHz	Pass	PK	2.4862G	65.79	74.00	-8.21	3	Vertical	280	1.21	-
2437MHz	Pass	AV	2.389G	50.63	54.00	-3.37	3	Horizontal	88	1.34	-
2437MHz	Pass	AV	2.4386G	105.27	Inf	-Inf	3	Horizontal	88	1.34	-
2437MHz	Pass	AV	2.4835G	52.08	54.00	-1.92	3	Horizontal	88	1.34	-
2437MHz	Pass	PK	2.3878G	63.48	74.00	-10.52	3	Horizontal	88	1.34	-
2437MHz	Pass	PK	2.4382G	113.55	Inf	-Inf	3	Horizontal	88	1.34	-
2437MHz	Pass	PK	2.4835G	67.11	74.00	-6.89	3	Horizontal	88	1.34	-
2437MHz	Pass	AV	4.87516G	36.94	54.00	-17.06	3	Vertical	169	1.70	-
2437MHz	Pass	PK	4.87432G	49.35	74.00	-24.65	3	Vertical	169	1.70	-
2437MHz	Pass	AV	4.873G	36.10	54.00	-17.90	3	Horizontal	23	1.05	-
2437MHz	Pass	PK	4.87304G	48.38	74.00	-25.62	3	Horizontal	23	1.05	-
2457MHz	Pass	AV	2.4558G	104.86	Inf	-Inf	3	Vertical	277	1.32	-
2457MHz	Pass	AV	2.4852G	52.30	54.00	-1.70	3	Vertical	277	1.32	-
2457MHz	Pass	PK	2.4556G	113.25	Inf	-Inf	3	Vertical	277	1.32	-
2457MHz	Pass	PK	2.4856G	69.72	74.00	-4.28	3	Vertical	277	1.32	-
2457MHz	Pass	AV	2.4586G	101.86	Inf	-Inf	3	Horizontal	301	1.68	-
2457MHz	Pass	AV	2.4835G	51.21	54.00	-2.79	3	Horizontal	301	1.68	-
2457MHz	Pass	PK	2.4584G	111.01	Inf	-Inf	3	Horizontal	301	1.68	-
2457MHz	Pass	PK	2.4836G	68.77	74.00	-5.23	3	Horizontal	301	1.68	-
2462MHz	Pass	AV	2.4606G	102.58	Inf	-Inf	3	Vertical	291	1.09	-
2462MHz	Pass	AV	2.4835G	52.68	54.00	-1.32	3	Vertical	291	1.09	-
2462MHz	Pass	PK	2.4608G	111.30	Inf	-Inf	3	Vertical	291	1.09	-
2462MHz	Pass	PK	2.4835G	70.63	74.00	-3.37	3	Vertical	291	1.09	-
2462MHz	Pass	AV	2.4634G	100.59	Inf	-Inf	3	Horizontal	302	1.40	-
2462MHz	Pass	AV	2.4835G	51.87	54.00	-2.13	3	Horizontal	302	1.40	-
2462MHz	Pass	PK	2.4634G	109.51	Inf	-Inf	3	Horizontal	302	1.40	-
2462MHz	Pass	PK	2.4842G	69.71	74.00	-4.29	3	Horizontal	302	1.40	-
2462MHz	Pass	AV	4.92564G	36.44	54.00	-17.56	3	Vertical	169	1.89	-
2462MHz	Pass	PK	4.92612G	49.41	74.00	-24.59	3	Vertical	169	1.89	-
2462MHz	Pass	AV	4.92388G	35.60	54.00	-18.40	3	Horizontal	30	1.50	-
2462MHz	Pass	PK	4.92368G	48.04	74.00	-25.96	3	Horizontal	30	1.50	-
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	52.44	54.00	-1.56	3	Vertical	293	1.00	-
2412MHz	Pass	AV	2.4128G	102.17	Inf	-Inf	3	Vertical	293	1.00	-
2412MHz	Pass	PK	2.39G	68.41	74.00	-5.59	3	Vertical	293	1.00	-
2412MHz	Pass	PK	2.413G	110.22	Inf	-Inf	3	Vertical	293	1.00	-
2412MHz	Pass	AV	2.3892G	49.69	54.00	-4.31	3	Horizontal	304	1.50	-
2412MHz	Pass	AV	2.4142G	98.12	Inf	-Inf	3	Horizontal	304	1.50	-
2412MHz	Pass	PK	2.3896G	64.30	74.00	-9.70	3	Horizontal	304	1.50	-
2412MHz	Pass	PK	2.4144G	106.50	Inf	-Inf	3	Horizontal	304	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	AV	4.8242G	35.87	54.00	-18.13	3	Vertical	340	1.23	-
2412MHz	Pass	PK	4.82432G	48.72	74.00	-25.28	3	Vertical	340	1.23	-
2412MHz	Pass	AV	4.8214G	34.96	54.00	-19.04	3	Horizontal	210	2.21	-
2412MHz	Pass	PK	4.82164G	47.86	74.00	-26.14	3	Horizontal	210	2.21	-
2417MHz	Pass	AV	2.39G	52.80	54.00	-1.20	3	Vertical	295	2.23	-
2417MHz	Pass	AV	2.4178G	105.35	Inf	-Inf	3	Vertical	295	2.23	-
2417MHz	Pass	PK	2.39G	69.20	74.00	-4.80	3	Vertical	295	2.23	-
2417MHz	Pass	PK	2.4148G	113.84	Inf	-Inf	3	Vertical	295	2.23	-
2417MHz	Pass	AV	2.3892G	50.63	54.00	-3.37	3	Horizontal	288	2.14	-
2417MHz	Pass	AV	2.4164G	102.01	Inf	-Inf	3	Horizontal	288	2.14	-
2417MHz	Pass	PK	2.3896G	64.53	74.00	-9.47	3	Horizontal	288	2.14	-
2417MHz	Pass	PK	2.4164G	110.57	Inf	-Inf	3	Horizontal	288	2.14	-
2437MHz	Pass	AV	2.3898G	51.28	54.00	-2.72	3	Vertical	275	2.01	-
2437MHz	Pass	AV	2.4378G	107.52	Inf	-Inf	3	Vertical	275	2.01	-
2437MHz	Pass	AV	2.4835G	52.29	54.00	-1.71	3	Vertical	275	2.01	-
2437MHz	Pass	PK	2.389G	65.34	74.00	-8.66	3	Vertical	275	2.01	-
2437MHz	Pass	PK	2.4374G	115.84	Inf	-Inf	3	Vertical	275	2.01	-
2437MHz	Pass	PK	2.4838G	66.59	74.00	-7.41	3	Vertical	275	2.01	-
2437MHz	Pass	AV	2.3898G	49.19	54.00	-4.81	3	Horizontal	289	1.89	-
2437MHz	Pass	AV	2.4366G	104.36	Inf	-Inf	3	Horizontal	289	1.89	-
2437MHz	Pass	AV	2.4835G	50.74	54.00	-3.26	3	Horizontal	289	1.89	-
2437MHz	Pass	PK	2.3886G	61.94	74.00	-12.06	3	Horizontal	289	1.89	-
2437MHz	Pass	PK	2.4338G	113.11	Inf	-Inf	3	Horizontal	289	1.89	-
2437MHz	Pass	PK	2.491G	63.47	74.00	-10.53	3	Horizontal	289	1.89	-
2437MHz	Pass	AV	4.87416G	37.37	54.00	-16.63	3	Vertical	338	1.08	-
2437MHz	Pass	PK	4.87668G	50.21	74.00	-23.79	3	Vertical	338	1.08	-
2437MHz	Pass	AV	4.87352G	35.72	54.00	-18.28	3	Horizontal	12	1.49	-
2437MHz	Pass	PK	4.87336G	48.23	74.00	-25.77	3	Horizontal	12	1.49	-
2457MHz	Pass	AV	2.4576G	105.19	Inf	-Inf	3	Vertical	295	1.68	-
2457MHz	Pass	AV	2.4835G	52.87	54.00	-1.13	3	Vertical	295	1.68	-
2457MHz	Pass	PK	2.4582G	113.07	Inf	-Inf	3	Vertical	295	1.68	-
2457MHz	Pass	PK	2.4856G	71.46	74.00	-2.54	3	Vertical	295	1.68	-
2457MHz	Pass	AV	2.4592G	102.26	Inf	-Inf	3	Horizontal	303	1.68	-
2457MHz	Pass	AV	2.4842G	50.98	54.00	-3.02	3	Horizontal	303	1.68	-
2457MHz	Pass	PK	2.4592G	111.37	Inf	-Inf	3	Horizontal	303	1.68	-
2457MHz	Pass	PK	2.484G	67.81	74.00	-6.19	3	Horizontal	303	1.68	-
2462MHz	Pass	AV	2.4626G	103.02	Inf	-Inf	3	Vertical	273	2.19	-
2462MHz	Pass	AV	2.4835G	52.49	54.00	-1.51	3	Vertical	273	2.19	-
2462MHz	Pass	PK	2.4626G	110.83	Inf	-Inf	3	Vertical	273	2.19	-
2462MHz	Pass	PK	2.4844G	68.98	74.00	-5.02	3	Vertical	273	2.19	-
2462MHz	Pass	AV	2.4614G	100.30	Inf	-Inf	3	Horizontal	303	1.68	-
2462MHz	Pass	AV	2.4835G	50.50	54.00	-3.50	3	Horizontal	303	1.68	-
2462MHz	Pass	PK	2.4614G	108.52	Inf	-Inf	3	Horizontal	303	1.68	-
2462MHz	Pass	PK	2.484G	66.97	74.00	-7.03	3	Horizontal	303	1.68	-
2462MHz	Pass	AV	4.9244G	36.02	54.00	-17.98	3	Vertical	341	1.29	-
2462MHz	Pass	PK	4.91916G	49.05	74.00	-24.95	3	Vertical	341	1.29	-
2462MHz	Pass	AV	4.92608G	34.76	54.00	-19.24	3	Horizontal	316	1.50	-
2462MHz	Pass	PK	4.9324G	47.82	74.00	-26.18	3	Horizontal	316	1.50	-

802.11b_Nss1,(1Mbps)_1TX

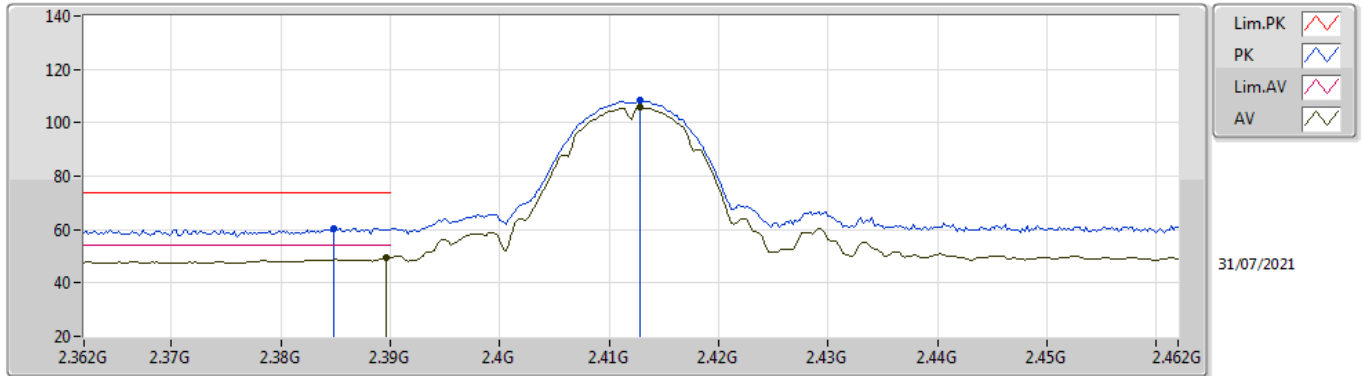
2412MHz_TX



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	2.39G	52.11	54.00	-1.89	31.93	3	Vertical	281	1.11	-	20.18	27.64	4.29	-
AV	2.4128G	108.78	Inf	-Inf	31.91	3	Vertical	281	1.11	-	76.87	27.60	4.31	-
PK	2.3894G	62.77	74.00	-11.23	31.93	3	Vertical	281	1.11	-	30.84	27.64	4.29	-
PK	2.4128G	111.29	Inf	-Inf	31.91	3	Vertical	281	1.11	-	79.38	27.60	4.31	-

802.11b_Nss1,(1Mbps)_1TX

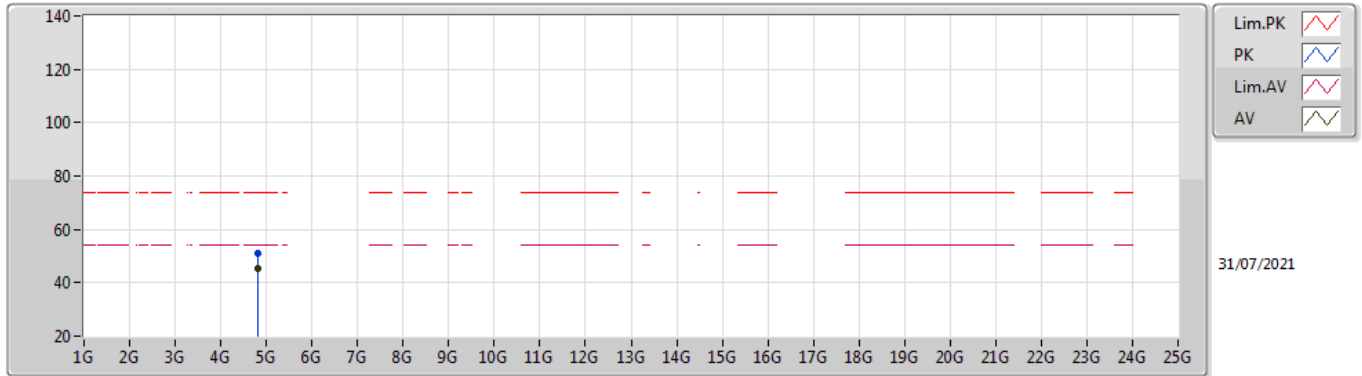
2412MHz_TX



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	2.3896G	49.43	54.00	-4.57	31.93	3	Horizontal	303	2.57	-	17.50	27.64	4.29	-
AV	2.4128G	105.74	Inf	-Inf	31.91	3	Horizontal	303	2.57	-	73.83	27.60	4.31	-
PK	2.3848G	60.29	74.00	-13.71	31.94	3	Horizontal	303	2.57	-	28.35	27.66	4.28	-
PK	2.4128G	108.19	Inf	-Inf	31.91	3	Horizontal	303	2.57	-	76.28	27.60	4.31	-

802.11b_Nss1,(1Mbps)_1TX

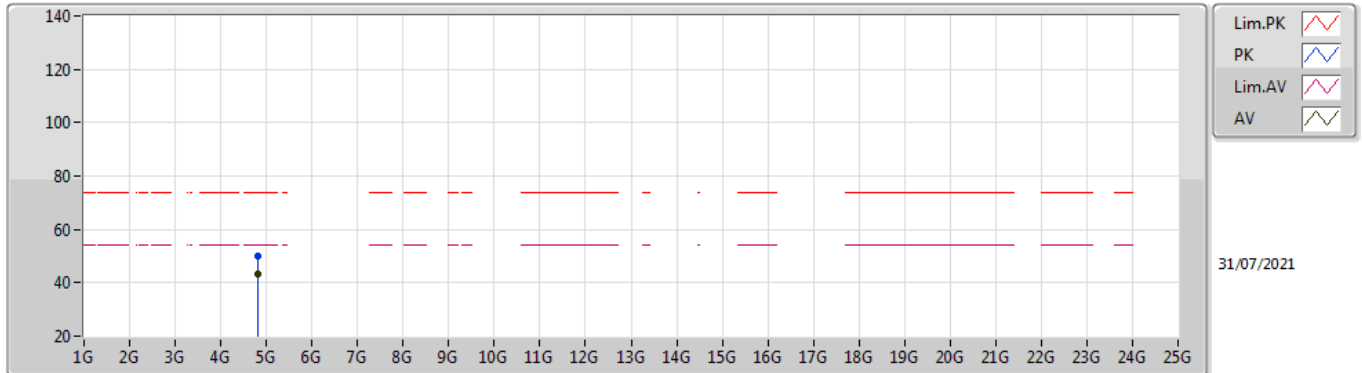
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82396G	45.51	54.00	-8.49	8.44	3	Vertical	185	1.58	-	37.07	31.15	6.52	29.23
PK	4.82398G	51.04	74.00	-22.96	8.44	3	Vertical	185	1.58	-	42.60	31.15	6.52	29.23

802.11b_Nss1,(1Mbps)_1TX

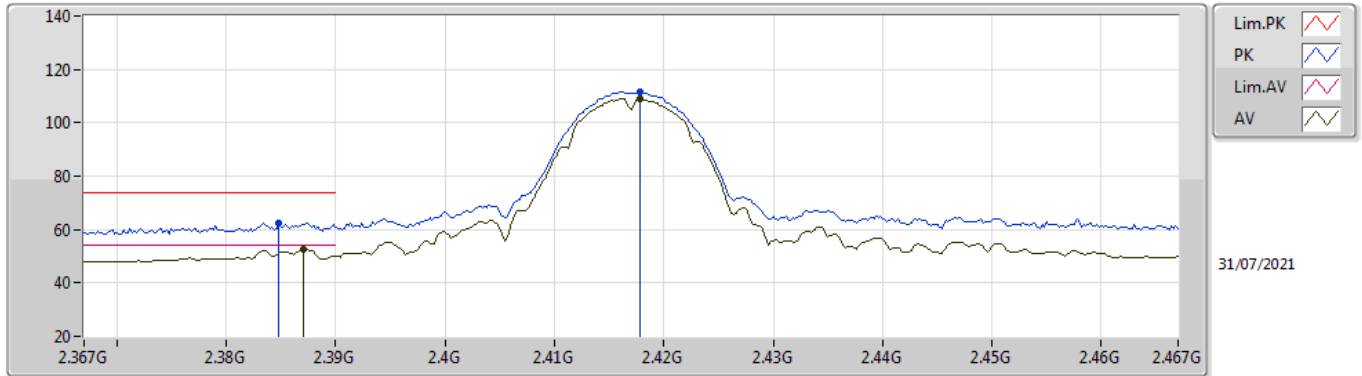
2412MHz_TX



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	4.82398G	43.30	54.00	-10.70	8.44	3	Horizontal	322	1.54	-	34.86	31.15	6.52	29.23
PK	4.82392G	49.80	74.00	-24.20	8.44	3	Horizontal	322	1.54	-	41.36	31.15	6.52	29.23

802.11b_Nss1,(1Mbps)_1TX

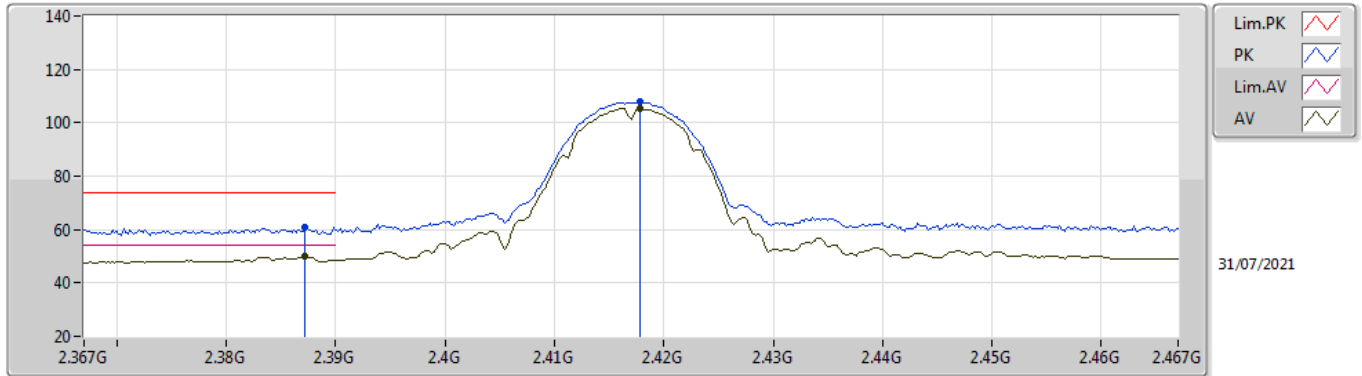
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.387G	52.60	54.00	-1.40	31.94	3	Vertical	281	1.08	-	20.66	27.65	4.29	-
AV	2.4178G	109.02	Inf	-Inf	31.92	3	Vertical	281	1.08	-	77.10	27.60	4.32	-
PK	2.3848G	62.62	74.00	-11.38	31.94	3	Vertical	281	1.08	-	30.68	27.66	4.28	-
PK	2.4178G	111.40	Inf	-Inf	31.92	3	Vertical	281	1.08	-	79.48	27.60	4.32	-

802.11b_Nss1,(1Mbps)_1TX

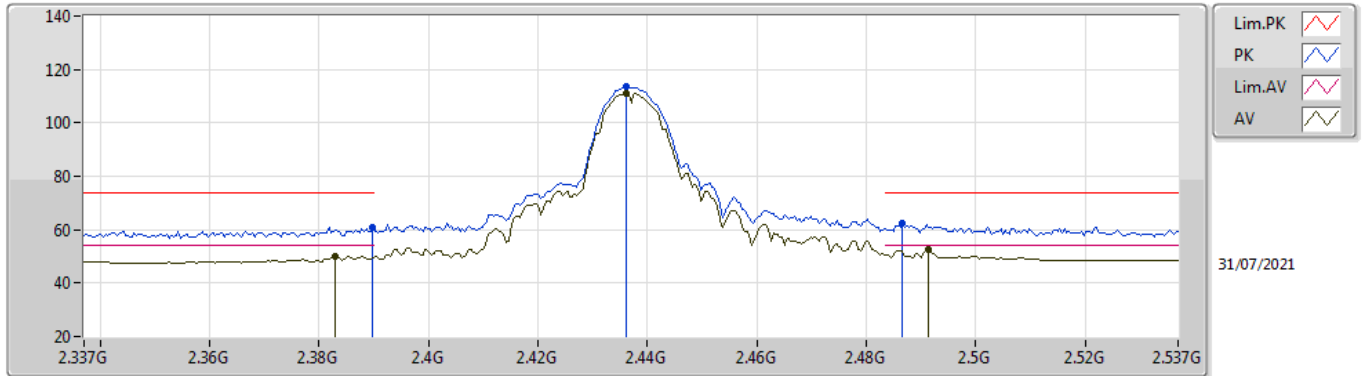
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3872G	49.88	54.00	-4.12	31.94	3	Horizontal	307	1.84	-	17.94	27.65	4.29	-
AV	2.4178G	105.35	Inf	-Inf	31.92	3	Horizontal	307	1.84	-	73.43	27.60	4.32	-
PK	2.3872G	60.91	74.00	-13.09	31.94	3	Horizontal	307	1.84	-	28.97	27.65	4.29	-
PK	2.4178G	107.77	Inf	-Inf	31.92	3	Horizontal	307	1.84	-	75.85	27.60	4.32	-

802.11b_Nss1,(1Mbps)_1TX

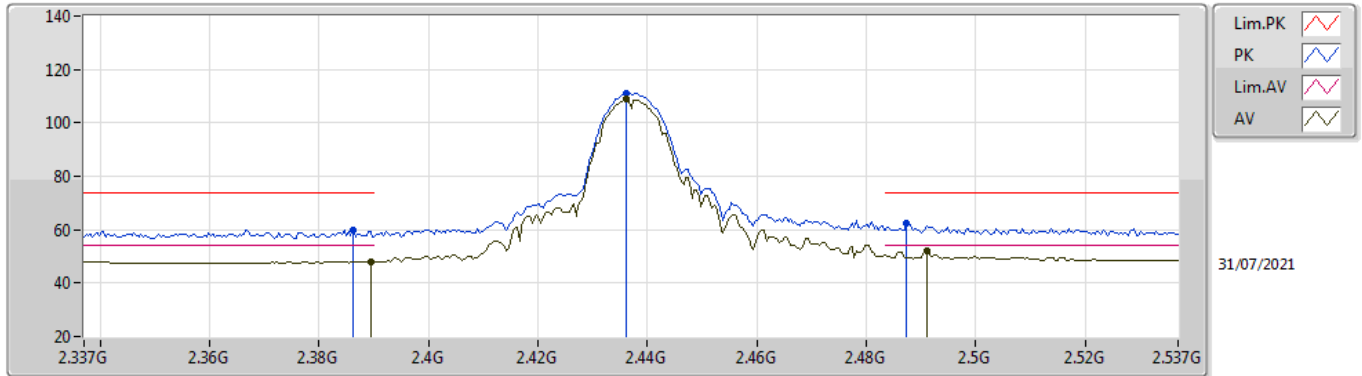
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.383G	50.08	54.00	-3.92	31.95	3	Vertical	281	1.24	-	18.13	27.67	4.28	-
AV	2.4362G	111.18	Inf	-Inf	31.94	3	Vertical	281	1.24	-	79.24	27.60	4.34	-
AV	2.4914G	52.76	54.00	-1.24	32.07	3	Vertical	281	1.24	-	20.69	27.68	4.39	-
PK	2.3898G	61.00	74.00	-13.00	31.93	3	Vertical	281	1.24	-	29.07	27.64	4.29	-
PK	2.4362G	113.63	Inf	-Inf	31.94	3	Vertical	281	1.24	-	81.69	27.60	4.34	-
PK	2.4866G	62.60	74.00	-11.40	32.06	3	Vertical	281	1.24	-	30.54	27.67	4.39	-

802.11b_Nss1,(1Mbps)_1TX

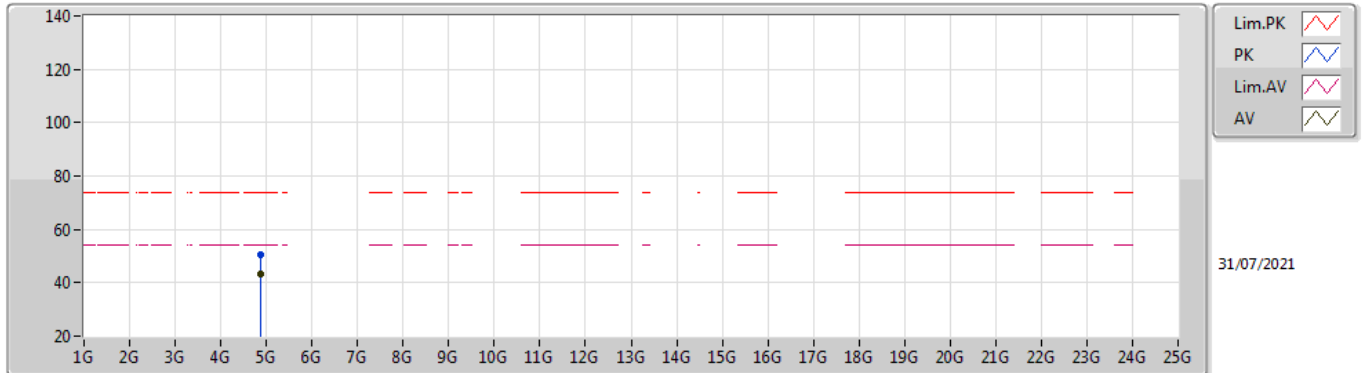
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	48.13	54.00	-5.87	31.93	3	Horizontal	300	2.26	-	16.20	27.64	4.29	-
AV	2.4362G	108.73	Inf	-Inf	31.94	3	Horizontal	300	2.26	-	76.79	27.60	4.34	-
AV	2.491G	52.20	54.00	-1.80	32.07	3	Horizontal	300	2.26	-	20.13	27.68	4.39	-
PK	2.3862G	60.04	74.00	-13.96	31.95	3	Horizontal	300	2.26	-	28.09	27.66	4.29	-
PK	2.4362G	111.14	Inf	-Inf	31.94	3	Horizontal	300	2.26	-	79.20	27.60	4.34	-
PK	2.4874G	62.66	74.00	-11.34	32.06	3	Horizontal	300	2.26	-	30.60	27.67	4.39	-

802.11b_Nss1,(1Mbps)_1TX

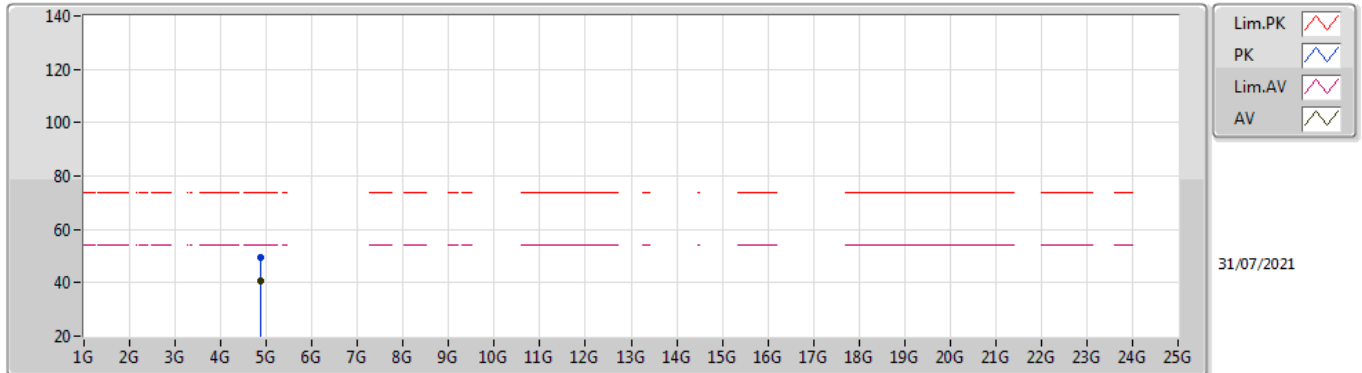
2437MHz_TX



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	4.87392G	43.50	54.00	-10.50	8.56	3	Vertical	184	1.69	-	34.94	31.20	6.57	29.21
PK	4.87374G	50.38	74.00	-23.62	8.56	3	Vertical	184	1.69	-	41.82	31.20	6.57	29.21

802.11b_Nss1,(1Mbps)_1TX

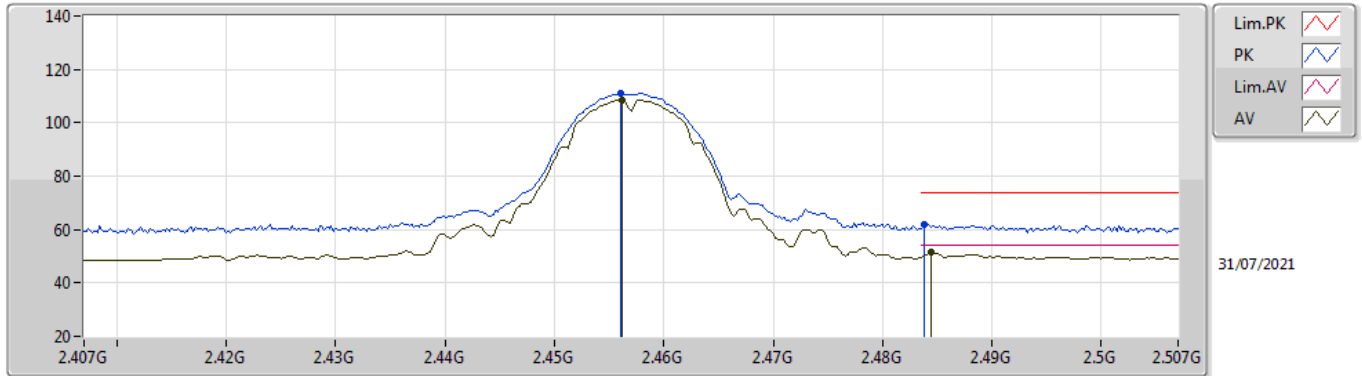
2437MHz_TX



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	4.87392G	40.70	54.00	-13.30	8.56	3	Horizontal	331	1.11	-	32.14	31.20	6.57	29.21
PK	4.87394G	49.36	74.00	-24.64	8.56	3	Horizontal	331	1.11	-	40.80	31.20	6.57	29.21

802.11b_Nss1,(1Mbps)_1TX

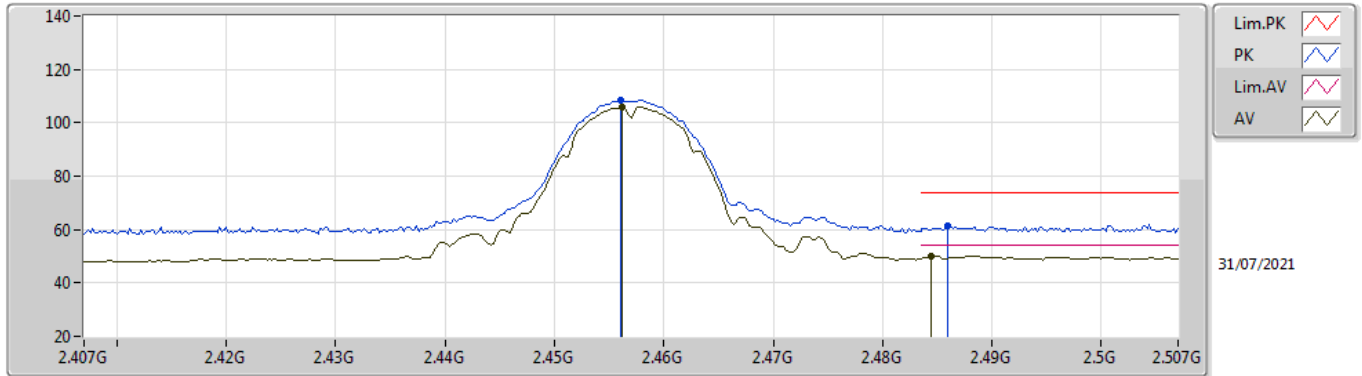
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4562G	108.58	Inf	-Inf	31.97	3	Vertical	280	1.08	-	76.61	27.61	4.36	-
AV	2.4844G	51.36	54.00	-2.64	32.05	3	Vertical	280	1.08	-	19.31	27.67	4.38	-
PK	2.456G	110.96	Inf	-Inf	31.97	3	Vertical	280	1.08	-	78.99	27.61	4.36	-
PK	2.4838G	61.99	74.00	-12.01	32.05	3	Vertical	280	1.08	-	29.94	27.67	4.38	-

802.11b_Nss1,(1Mbps)_1TX

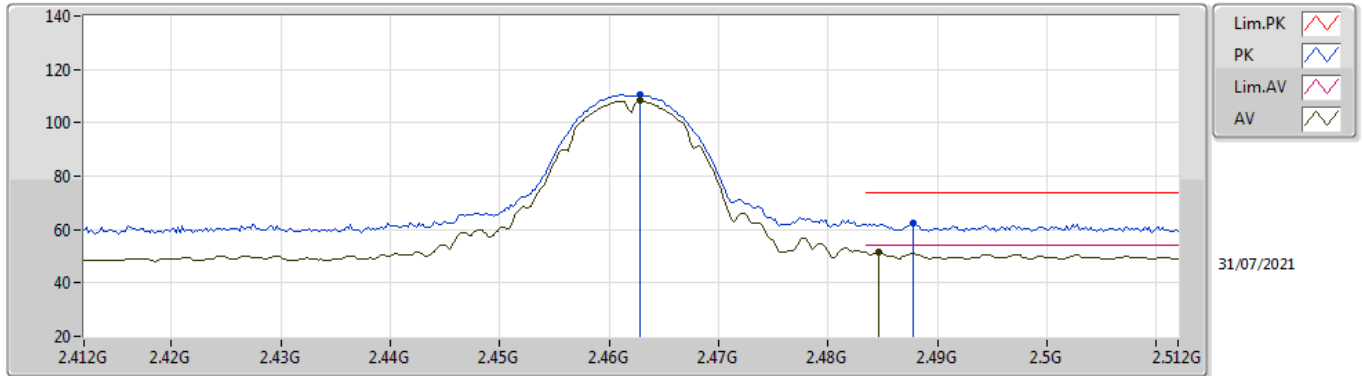
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4562G	105.90	Inf	-Inf	31.97	3	Horizontal	301	2.66	-	73.93	27.61	4.36	-
AV	2.4844G	50.23	54.00	-3.77	32.05	3	Horizontal	301	2.66	-	18.18	27.67	4.38	-
PK	2.456G	108.28	Inf	-Inf	31.97	3	Horizontal	301	2.66	-	76.31	27.61	4.36	-
PK	2.486G	61.29	74.00	-12.71	32.06	3	Horizontal	301	2.66	-	29.23	27.67	4.39	-

802.11b_Nss1,(1Mbps)_1TX

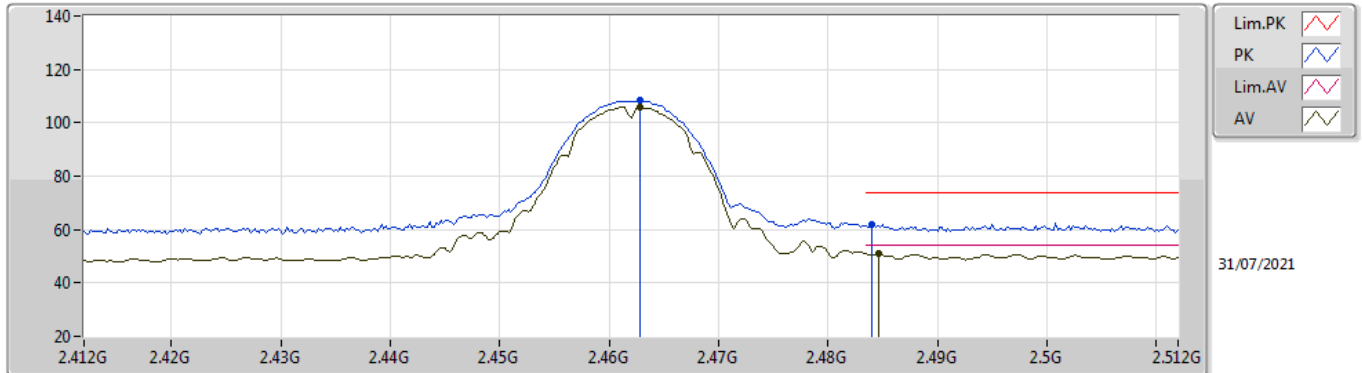
2462MHz_TX



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	2.4628G	108.21	Inf	-Inf	31.99	3	Vertical	238	1.32	-	76.22	27.63	4.36	-
AV	2.4846G	51.57	54.00	-2.43	32.05	3	Vertical	238	1.32	-	19.52	27.67	4.38	-
PK	2.4628G	110.58	Inf	-Inf	31.99	3	Vertical	238	1.32	-	78.59	27.63	4.36	-
PK	2.4878G	62.56	74.00	-11.44	32.07	3	Vertical	238	1.32	-	30.49	27.68	4.39	-

802.11b_Nss1,(1Mbps)_1TX

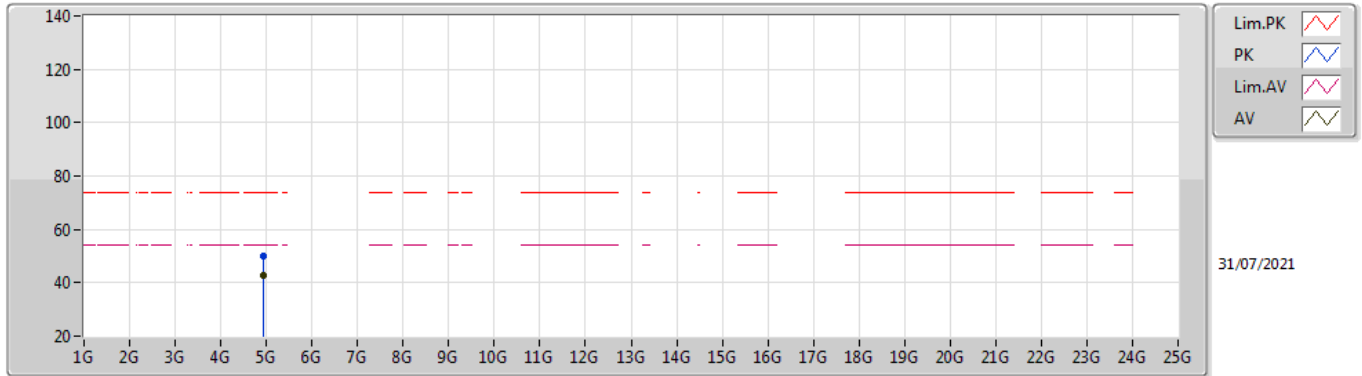
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4628G	105.95	Inf	-Inf	31.99	3	Horizontal	304	1.36	-	73.96	27.63	4.36	-
AV	2.4846G	51.15	54.00	-2.85	32.05	3	Horizontal	304	1.36	-	19.10	27.67	4.38	-
PK	2.4628G	108.36	Inf	-Inf	31.99	3	Horizontal	304	1.36	-	76.37	27.63	4.36	-
PK	2.484G	62.05	74.00	-11.95	32.05	3	Horizontal	304	1.36	-	30.00	27.67	4.38	-

802.11b_Nss1,(1Mbps)_1TX

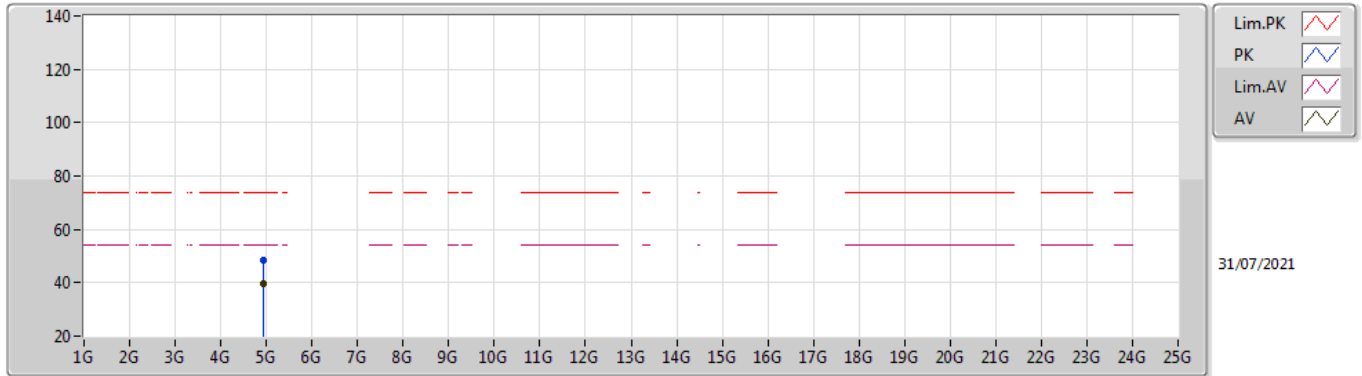
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9239G	42.99	54.00	-11.01	8.68	3	Vertical	184	1.63	-	34.31	31.25	6.62	29.19
PK	4.92382G	50.03	74.00	-23.97	8.68	3	Vertical	184	1.63	-	41.35	31.25	6.62	29.19

802.11b_Nss1,(1Mbps)_1TX

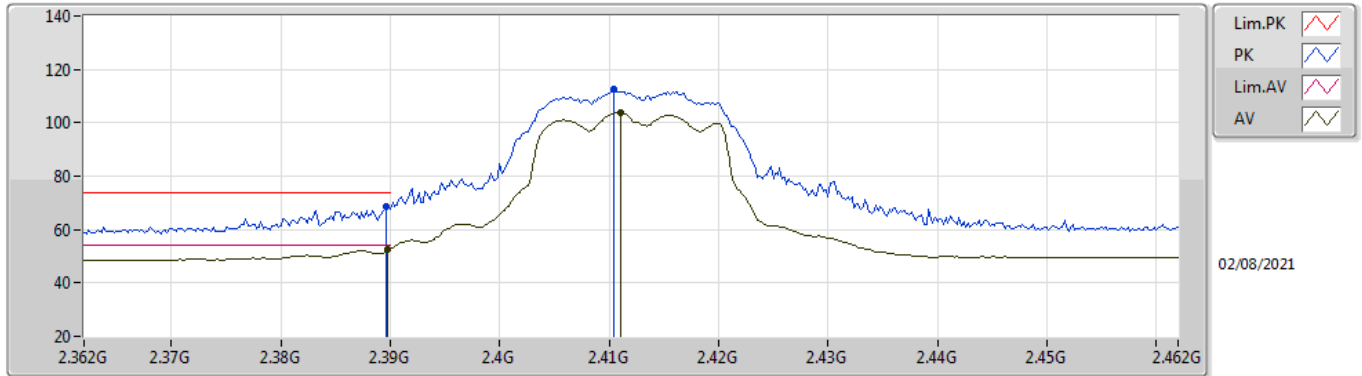
2462MHz_TX



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	4.92392G	39.58	54.00	-14.42	8.68	3	Horizontal	328	1.85	-	30.90	31.25	6.62	29.19
PK	4.92396G	48.57	74.00	-25.43	8.68	3	Horizontal	328	1.85	-	39.89	31.25	6.62	29.19

802.11g_Nss1,(6Mbps)_2TX

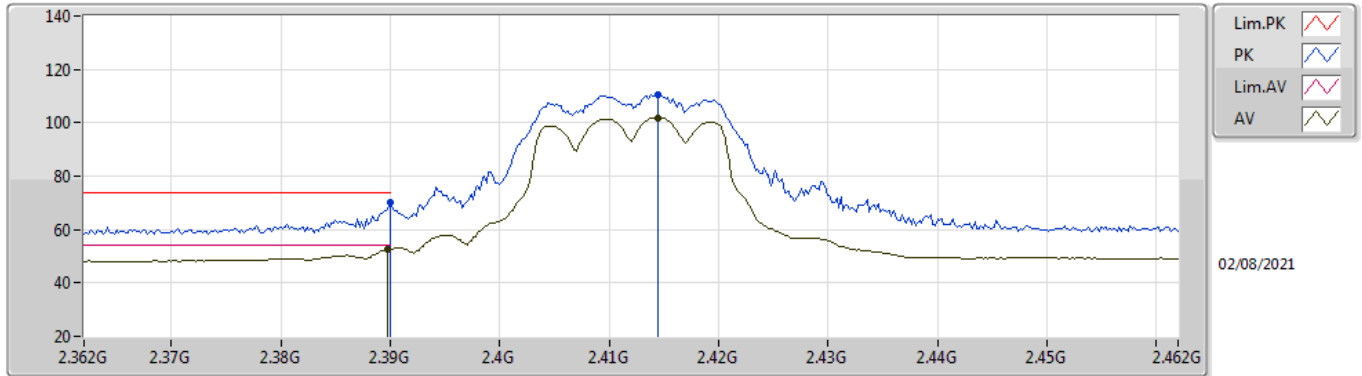
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	52.62	54.00	-1.38	31.93	3	Vertical	292	1.00	-	20.69	27.64	4.29	-
AV	2.411G	103.88	Inf	-Inf	31.91	3	Vertical	292	1.00	-	71.97	27.60	4.31	-
PK	2.3896G	68.52	74.00	-5.48	31.93	3	Vertical	292	1.00	-	36.59	27.64	4.29	-
PK	2.4104G	112.48	Inf	-Inf	31.91	3	Vertical	292	1.00	-	80.57	27.60	4.31	-

802.11g_Nss1,(6Mbps)_2TX

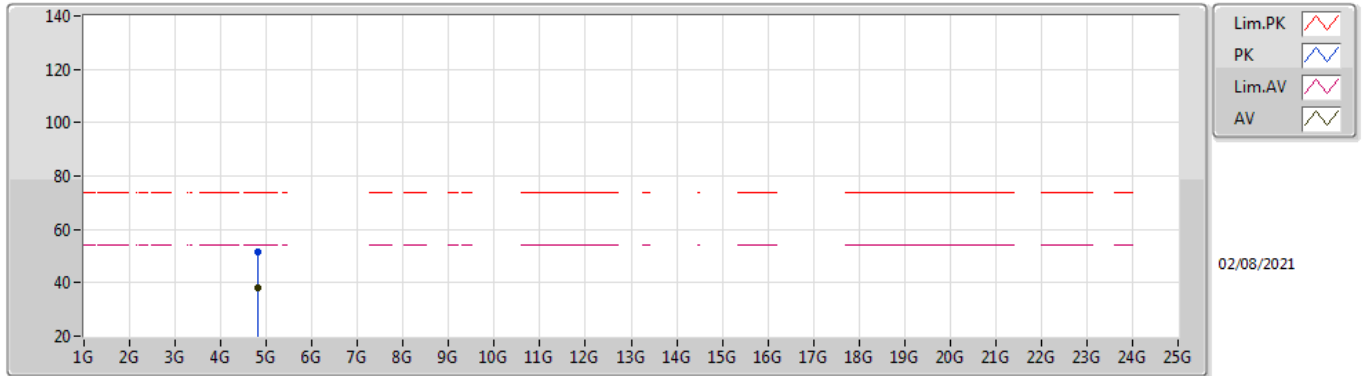
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	52.62	54.00	-1.38	31.93	3	Horizontal	304	1.50	-	20.69	27.64	4.29	-
AV	2.4144G	101.95	Inf	-Inf	31.91	3	Horizontal	304	1.50	-	70.04	27.60	4.31	-
PK	2.39G	70.12	74.00	-3.88	31.93	3	Horizontal	304	1.50	-	38.19	27.64	4.29	-
PK	2.4144G	110.33	Inf	-Inf	31.91	3	Horizontal	304	1.50	-	78.42	27.60	4.31	-

802.11g_Nss1,(6Mbps)_2TX

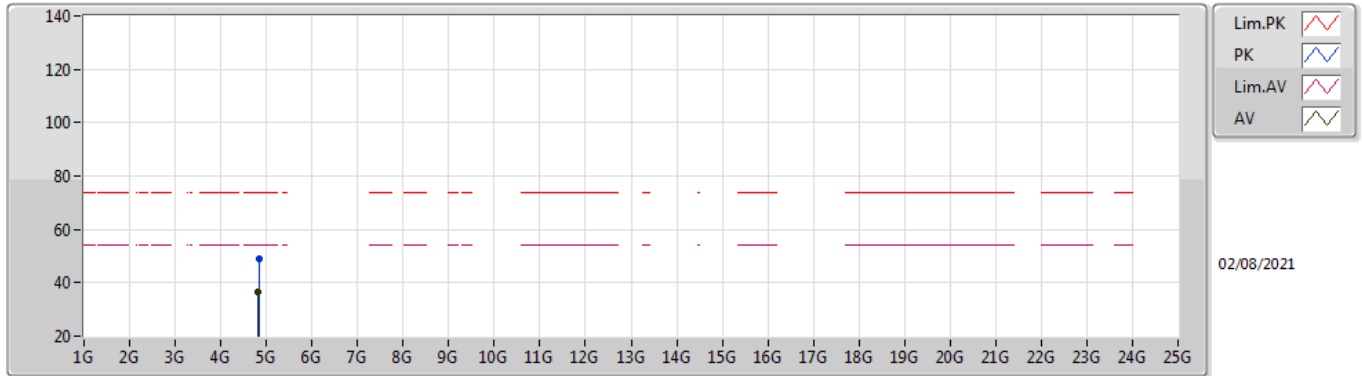
2412MHz_TX



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	4.82236G	38.28	54.00	-15.72	8.43	3	Vertical	161	2.58	-	29.85	31.14	6.52	29.23
PK	4.82236G	51.34	74.00	-22.66	8.43	3	Vertical	161	2.58	-	42.91	31.14	6.52	29.23

802.11g_Nss1,(6Mbps)_2TX

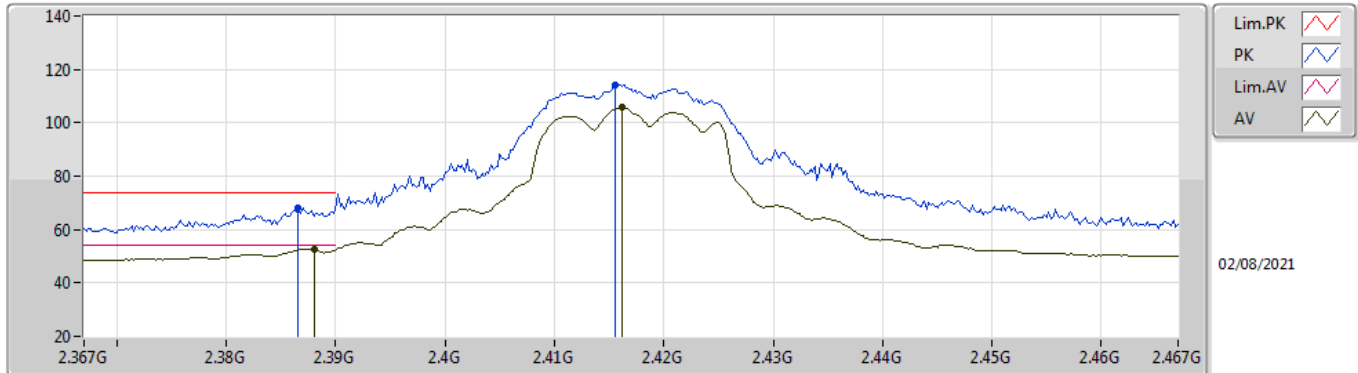
2412MHz_TX



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	4.82356G	36.60	54.00	-17.40	8.44	3	Horizontal	18	1.01	-	28.16	31.15	6.52	29.23
PK	4.82888G	49.18	74.00	-24.82	8.47	3	Horizontal	18	1.01	-	40.71	31.16	6.53	29.22

802.11g_Nss1,(6Mbps)_2TX

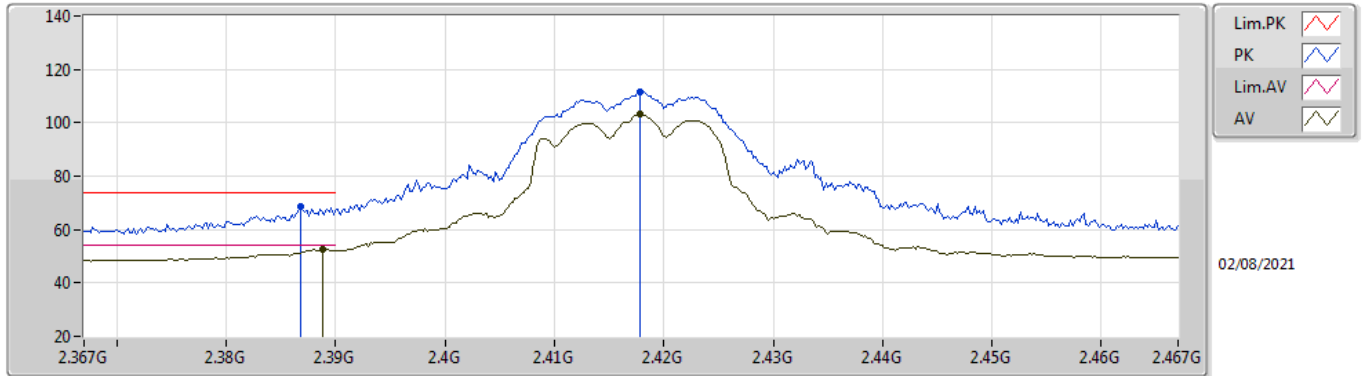
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.388G	52.43	54.00	-1.57	31.94	3	Vertical	284	2.59	-	20.49	27.65	4.29	-
AV	2.4162G	105.86	Inf	-Inf	31.92	3	Vertical	284	2.59	-	73.94	27.60	4.32	-
PK	2.3866G	68.35	74.00	-5.65	31.94	3	Vertical	284	2.59	-	36.41	27.65	4.29	-
PK	2.4156G	114.14	Inf	-Inf	31.92	3	Vertical	284	2.59	-	82.22	27.60	4.32	-

802.11g_Nss1,(6Mbps)_2TX

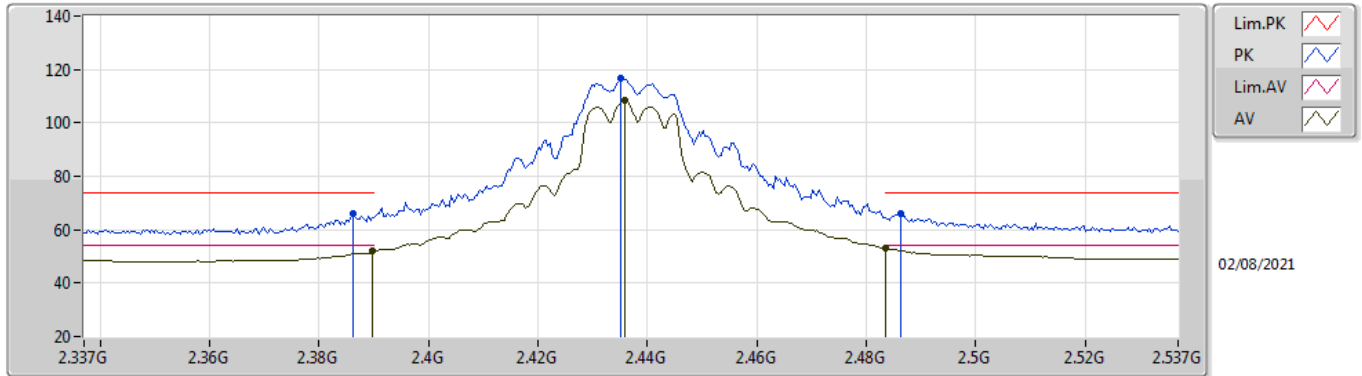
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3888G	52.43	54.00	-1.57	31.93	3	Horizontal	335	1.18	-	20.50	27.64	4.29	-
AV	2.4178G	103.05	Inf	-Inf	31.92	3	Horizontal	335	1.18	-	71.13	27.60	4.32	-
PK	2.3868G	68.46	74.00	-5.54	31.94	3	Horizontal	335	1.18	-	36.52	27.65	4.29	-
PK	2.4178G	111.58	Inf	-Inf	31.92	3	Horizontal	335	1.18	-	79.66	27.60	4.32	-

802.11g_Nss1,(6Mbps)_2TX

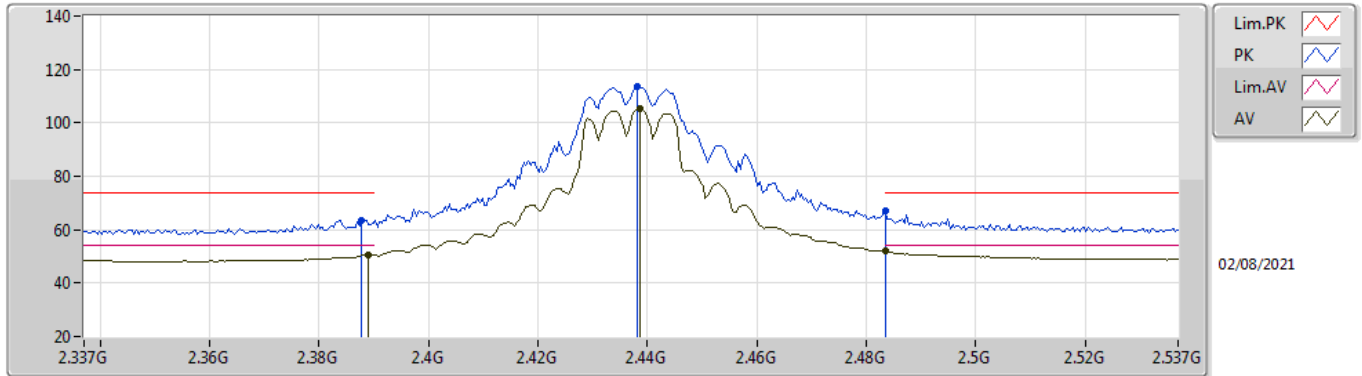
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	51.88	54.00	-2.12	31.93	3	Vertical	280	1.21	-	19.95	27.64	4.29	-
AV	2.4358G	108.19	Inf	-Inf	31.94	3	Vertical	280	1.21	-	76.25	27.60	4.34	-
AV	2.4835G	52.87	54.00	-1.13	32.05	3	Vertical	280	1.21	-	20.82	27.67	4.38	-
PK	2.3862G	65.91	74.00	-8.09	31.95	3	Vertical	280	1.21	-	33.96	27.66	4.29	-
PK	2.435G	116.57	Inf	-Inf	31.93	3	Vertical	280	1.21	-	84.64	27.60	4.33	-
PK	2.4862G	65.79	74.00	-8.21	32.06	3	Vertical	280	1.21	-	33.73	27.67	4.39	-

802.11g_Nss1,(6Mbps)_2TX

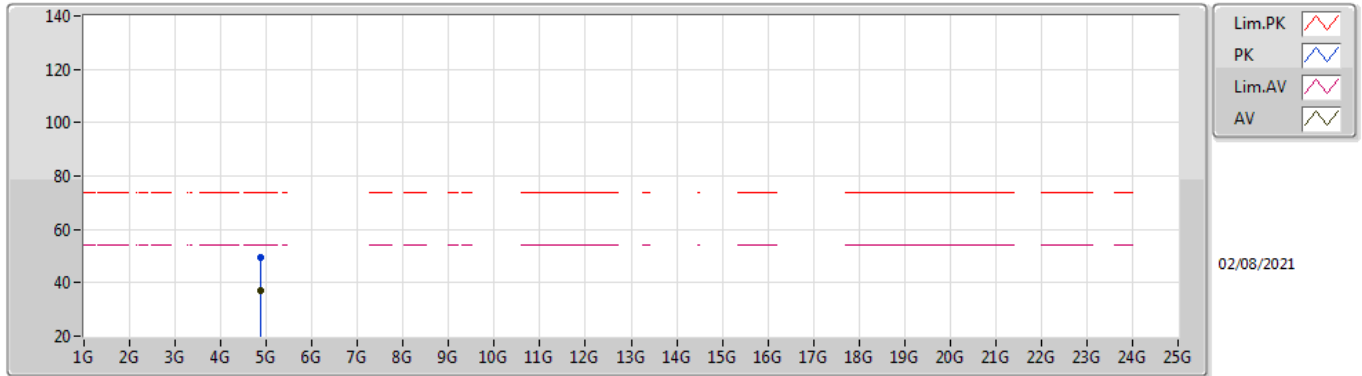
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389G	50.63	54.00	-3.37	31.93	3	Horizontal	88	1.34	-	18.70	27.64	4.29	-
AV	2.4386G	105.27	Inf	-Inf	31.94	3	Horizontal	88	1.34	-	73.33	27.60	4.34	-
AV	2.4835G	52.08	54.00	-1.92	32.05	3	Horizontal	88	1.34	-	20.03	27.67	4.38	-
PK	2.3878G	63.48	74.00	-10.52	31.94	3	Horizontal	88	1.34	-	31.54	27.65	4.29	-
PK	2.4382G	113.55	Inf	-Inf	31.94	3	Horizontal	88	1.34	-	81.61	27.60	4.34	-
PK	2.4835G	67.11	74.00	-6.89	32.05	3	Horizontal	88	1.34	-	35.06	27.67	4.38	-

802.11g_Nss1,(6Mbps)_2TX

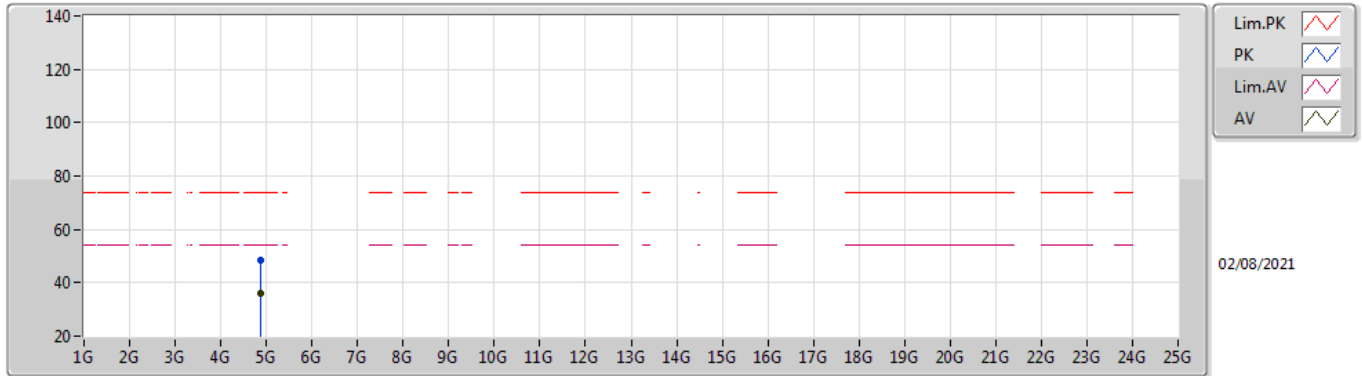
2437MHz_TX



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	4.87516G	36.94	54.00	-17.06	8.57	3	Vertical	169	1.70	-	28.37	31.20	6.58	29.21
PK	4.87432G	49.35	74.00	-24.65	8.56	3	Vertical	169	1.70	-	40.79	31.20	6.57	29.21

802.11g_Nss1,(6Mbps)_2TX

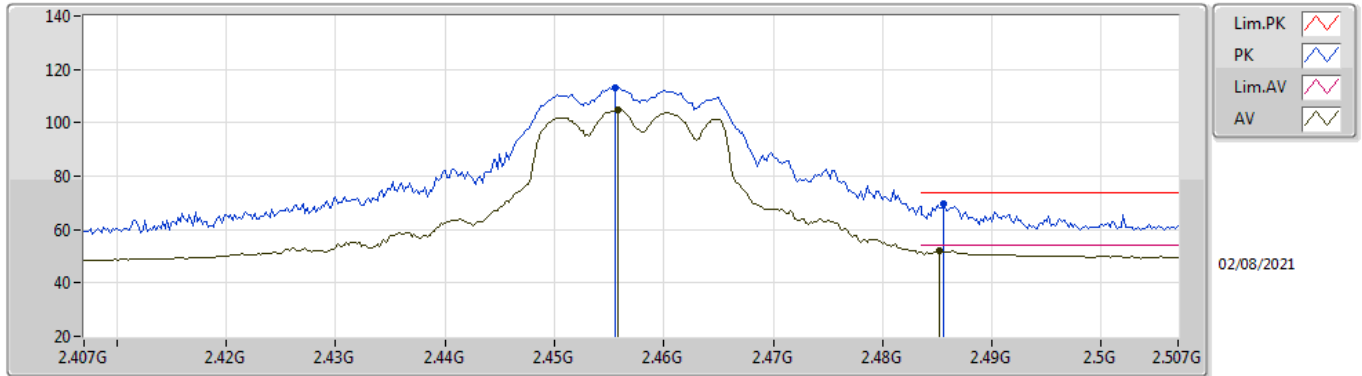
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.873G	36.10	54.00	-17.90	8.56	3	Horizontal	23	1.05	-	27.54	31.20	6.57	29.21
PK	4.87304G	48.38	74.00	-25.62	8.56	3	Horizontal	23	1.05	-	39.82	31.20	6.57	29.21

802.11g_Nss1,(6Mbps)_2TX

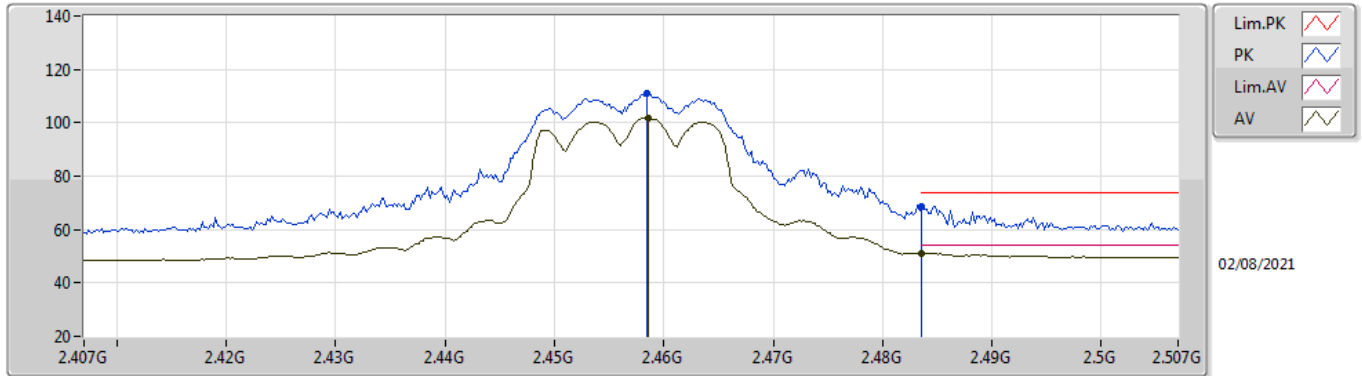
2457MHz_TX



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	2.4558G	104.86	Inf	-Inf	31.97	3	Vertical	277	1.32	-	72.89	27.61	4.36	-
AV	2.4852G	52.30	54.00	-1.70	32.06	3	Vertical	277	1.32	-	20.24	27.67	4.39	-
PK	2.4556G	113.25	Inf	-Inf	31.97	3	Vertical	277	1.32	-	81.28	27.61	4.36	-
PK	2.4856G	69.72	74.00	-4.28	32.06	3	Vertical	277	1.32	-	37.66	27.67	4.39	-

802.11g_Nss1,(6Mbps)_2TX

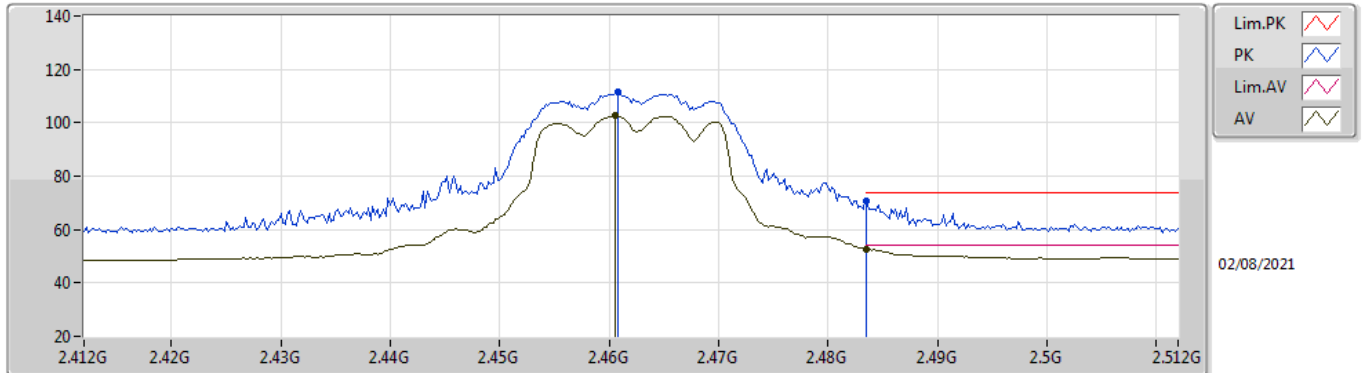
2457MHz_TX



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	2.4586G	101.86	Inf	-Inf	31.98	3	Horizontal	301	1.68	-	69.88	27.62	4.36	-
AV	2.4835G	51.21	54.00	-2.79	32.05	3	Horizontal	301	1.68	-	19.16	27.67	4.38	-
PK	2.4584G	111.01	Inf	-Inf	31.98	3	Horizontal	301	1.68	-	79.03	27.62	4.36	-
PK	2.4836G	68.77	74.00	-5.23	32.05	3	Horizontal	301	1.68	-	36.72	27.67	4.38	-

802.11g_Nss1,(6Mbps)_2TX

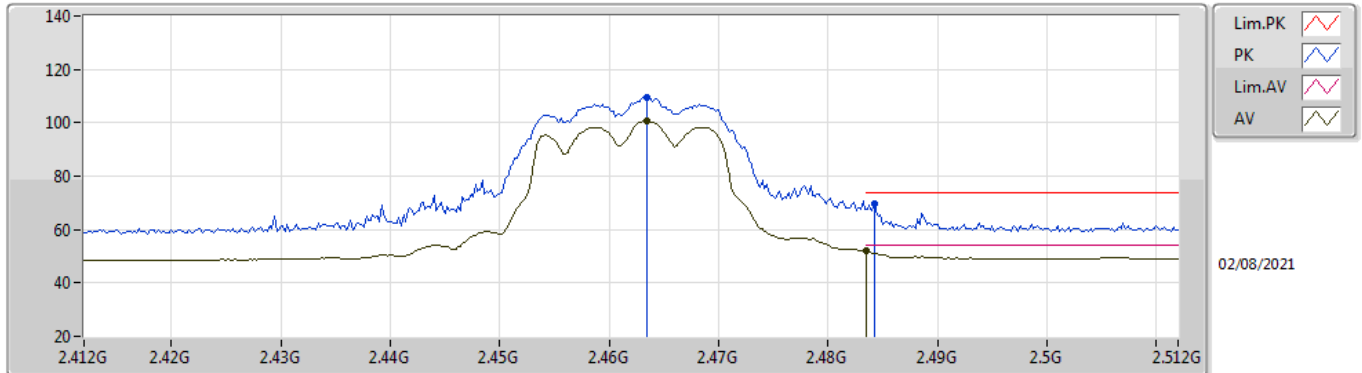
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4606G	102.58	Inf	-Inf	31.98	3	Vertical	291	1.09	-	70.60	27.62	4.36	-
AV	2.4835G	52.68	54.00	-1.32	32.05	3	Vertical	291	1.09	-	20.63	27.67	4.38	-
PK	2.4608G	111.30	Inf	-Inf	31.98	3	Vertical	291	1.09	-	79.32	27.62	4.36	-
PK	2.4835G	70.63	74.00	-3.37	32.05	3	Vertical	291	1.09	-	38.58	27.67	4.38	-

802.11g_Nss1,(6Mbps)_2TX

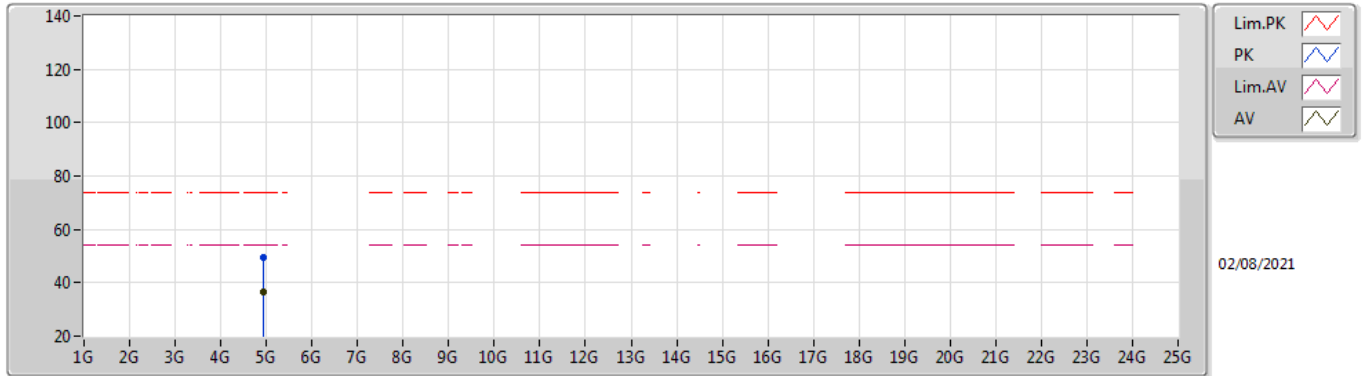
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4634G	100.59	Inf	-Inf	31.99	3	Horizontal	302	1.40	-	68.60	27.63	4.36	-
AV	2.4835G	51.87	54.00	-2.13	32.05	3	Horizontal	302	1.40	-	19.82	27.67	4.38	-
PK	2.4634G	109.51	Inf	-Inf	31.99	3	Horizontal	302	1.40	-	77.52	27.63	4.36	-
PK	2.4842G	69.71	74.00	-4.29	32.05	3	Horizontal	302	1.40	-	37.66	27.67	4.38	-

802.11g_Nss1,(6Mbps)_2TX

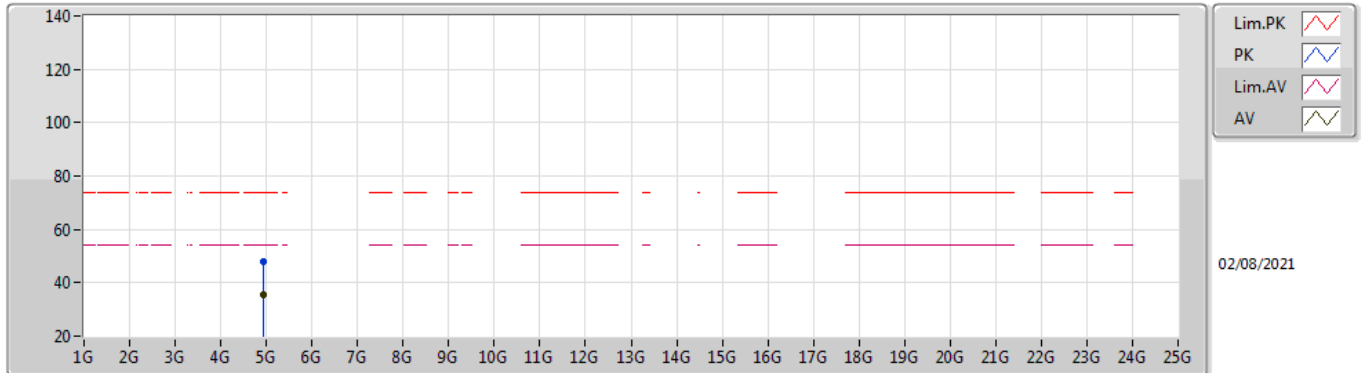
2462MHz_TX



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	4.92564G	36.44	54.00	-17.56	8.69	3	Vertical	169	1.89	-	27.75	31.25	6.63	29.19
PK	4.92612G	49.41	74.00	-24.59	8.69	3	Vertical	169	1.89	-	40.72	31.25	6.63	29.19

802.11g_Nss1,(6Mbps)_2TX

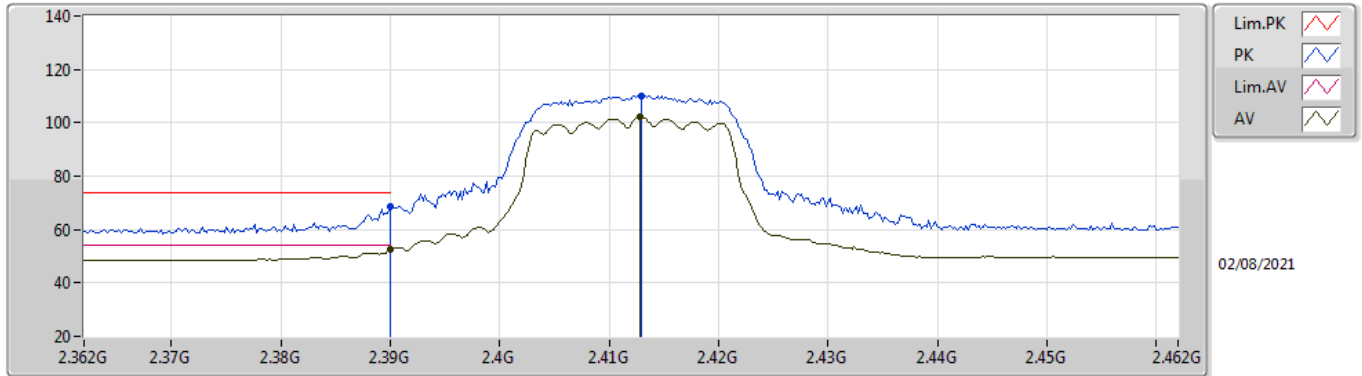
2462MHz_TX



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	4.92388G	35.60	54.00	-18.40	8.68	3	Horizontal	30	1.50	-	26.92	31.25	6.62	29.19
PK	4.92368G	48.04	74.00	-25.96	8.68	3	Horizontal	30	1.50	-	39.36	31.25	6.62	29.19

802.11n HT20_Nss1,(MCS0)_2TX

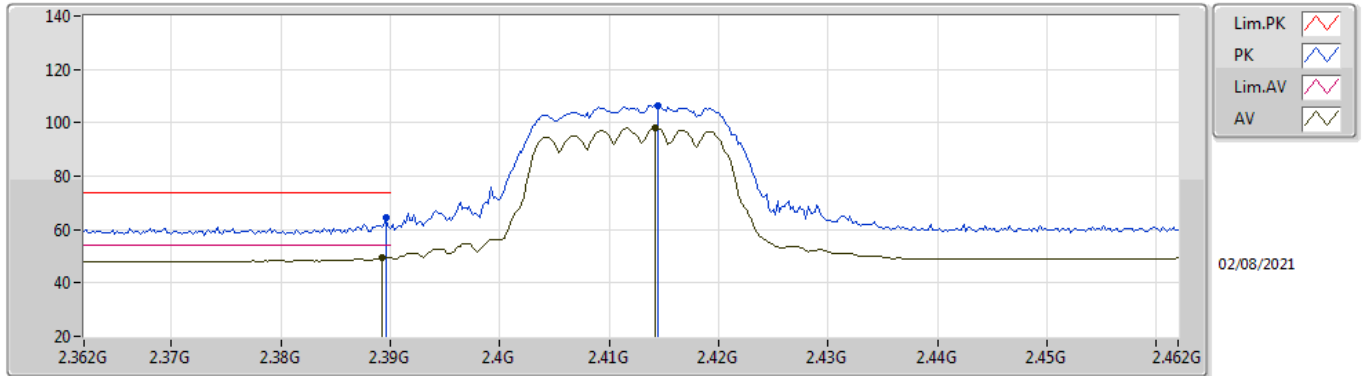
2412MHz_TX



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	2.39G	52.44	54.00	-1.56	31.93	3	Vertical	293	1.00	-	20.51	27.64	4.29	-
AV	2.4128G	102.17	Inf	-Inf	31.91	3	Vertical	293	1.00	-	70.26	27.60	4.31	-
PK	2.39G	68.41	74.00	-5.59	31.93	3	Vertical	293	1.00	-	36.48	27.64	4.29	-
PK	2.413G	110.22	Inf	-Inf	31.91	3	Vertical	293	1.00	-	78.31	27.60	4.31	-

802.11n HT20_Nss1,(MCS0)_2TX

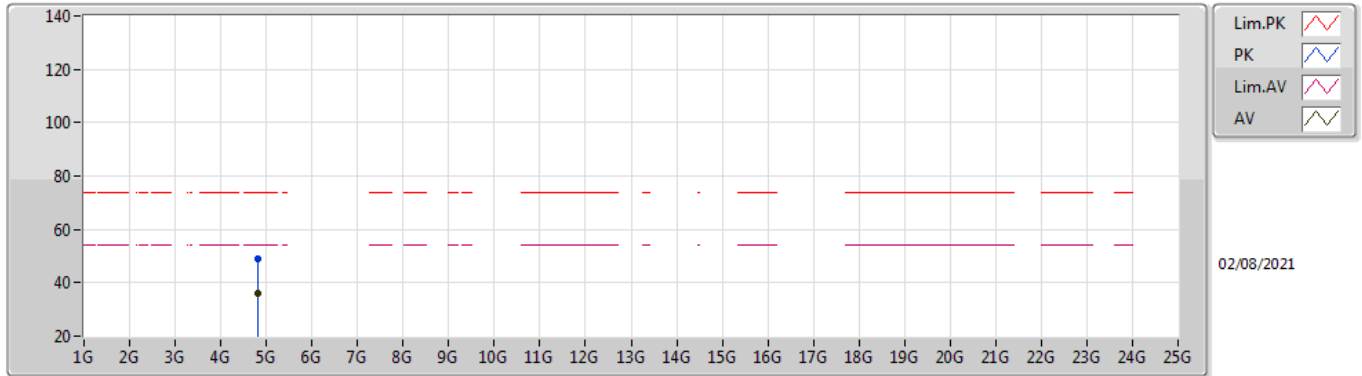
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3892G	49.69	54.00	-4.31	31.93	3	Horizontal	304	1.50	-	17.76	27.64	4.29	-
AV	2.4142G	98.12	Inf	-Inf	31.91	3	Horizontal	304	1.50	-	66.21	27.60	4.31	-
PK	2.3896G	64.30	74.00	-9.70	31.93	3	Horizontal	304	1.50	-	32.37	27.64	4.29	-
PK	2.4144G	106.50	Inf	-Inf	31.91	3	Horizontal	304	1.50	-	74.59	27.60	4.31	-

802.11n HT20_Nss1,(MCS0)_2TX

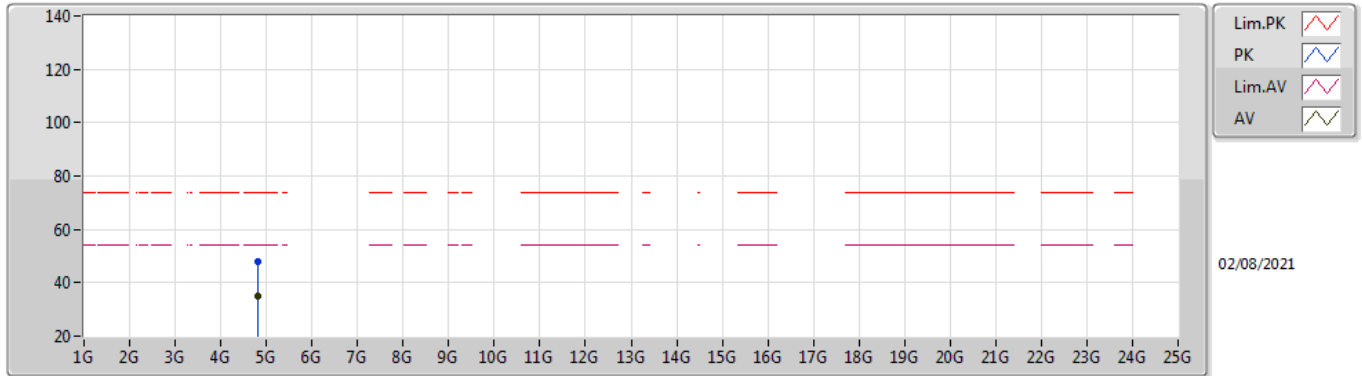
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8242G	35.87	54.00	-18.13	8.44	3	Vertical	340	1.23	-	27.43	31.15	6.52	29.23
PK	4.82432G	48.72	74.00	-25.28	8.44	3	Vertical	340	1.23	-	40.28	31.15	6.52	29.23

802.11n HT20_Nss1,(MCS0)_2TX

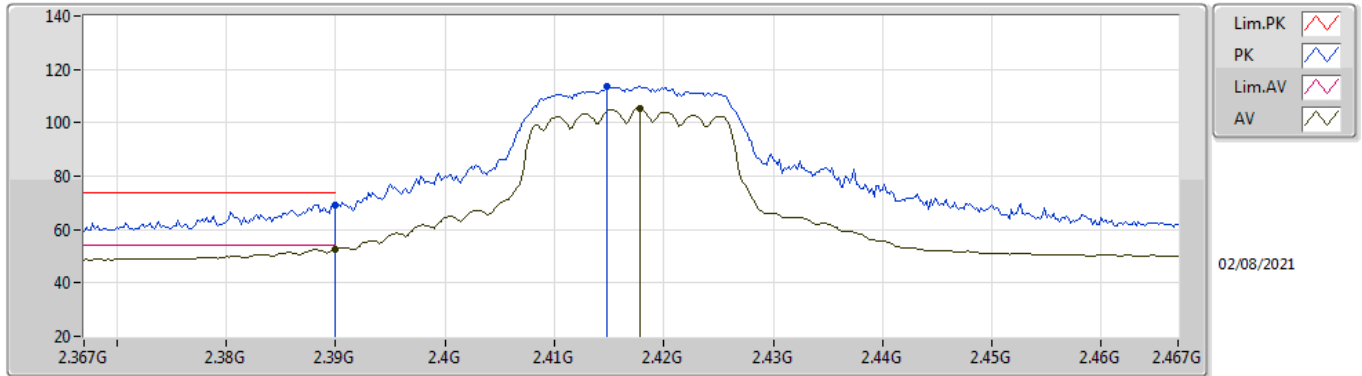
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8214G	34.96	54.00	-19.04	8.43	3	Horizontal	210	2.21	-	26.53	31.14	6.52	29.23
PK	4.82164G	47.86	74.00	-26.14	8.43	3	Horizontal	210	2.21	-	39.43	31.14	6.52	29.23

802.11n HT20_Nss1,(MCS0)_2TX

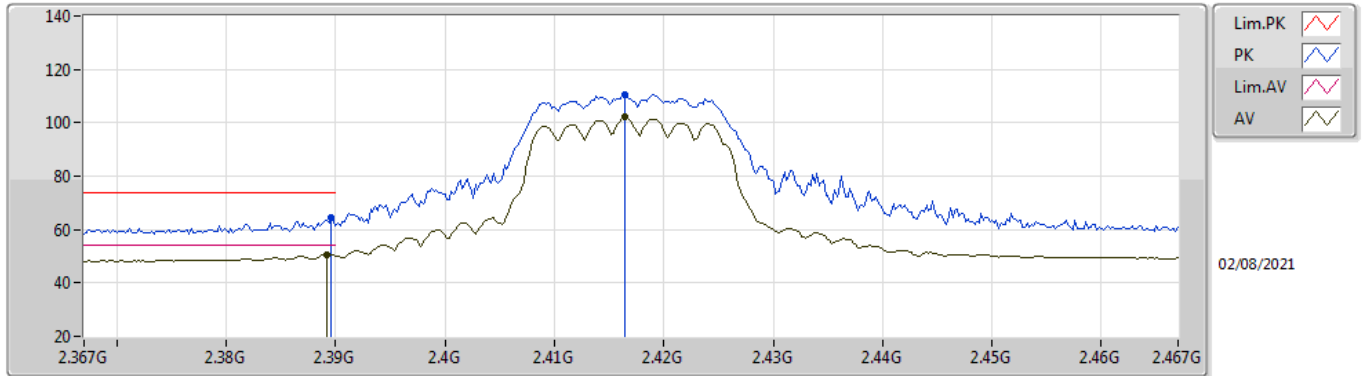
2417MHz_TX



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	2.39G	52.80	54.00	-1.20	31.93	3	Vertical	295	2.23	-	20.87	27.64	4.29	-
AV	2.4178G	105.35	Inf	-Inf	31.92	3	Vertical	295	2.23	-	73.43	27.60	4.32	-
PK	2.39G	69.20	74.00	-4.80	31.93	3	Vertical	295	2.23	-	37.27	27.64	4.29	-
PK	2.4148G	113.84	Inf	-Inf	31.91	3	Vertical	295	2.23	-	81.93	27.60	4.31	-

802.11n HT20_Nss1,(MCS0)_2TX

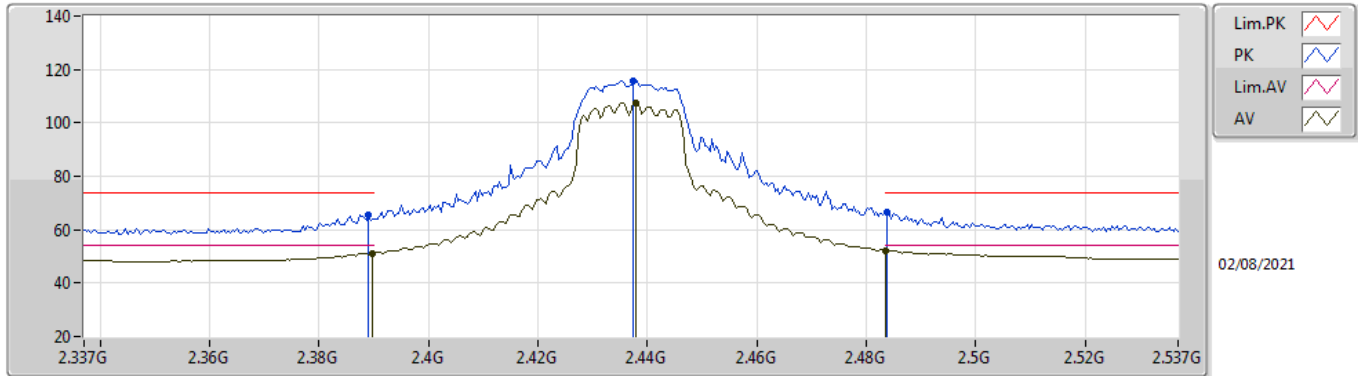
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3892G	50.63	54.00	-3.37	31.93	3	Horizontal	288	2.14	-	18.70	27.64	4.29	-
AV	2.4164G	102.01	Inf	-Inf	31.92	3	Horizontal	288	2.14	-	70.09	27.60	4.32	-
PK	2.3896G	64.53	74.00	-9.47	31.93	3	Horizontal	288	2.14	-	32.60	27.64	4.29	-
PK	2.4164G	110.57	Inf	-Inf	31.92	3	Horizontal	288	2.14	-	78.65	27.60	4.32	-

802.11n HT20_Nss1,(MCS0)_2TX

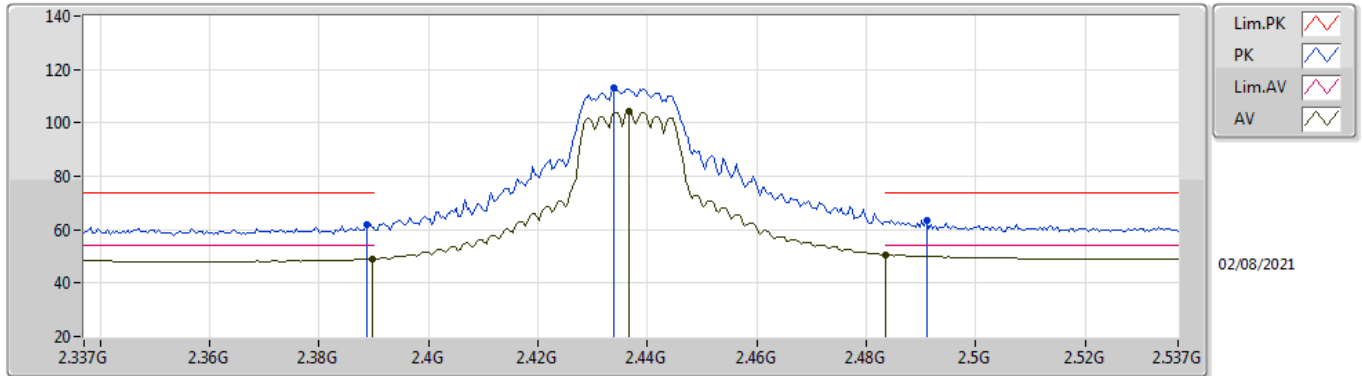
2437MHz_TX



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	2.3898G	51.28	54.00	-2.72	31.93	3	Vertical	275	2.01	-	19.35	27.64	4.29	-
AV	2.4378G	107.52	Inf	-Inf	31.94	3	Vertical	275	2.01	-	75.58	27.60	4.34	-
AV	2.4835G	52.29	54.00	-1.71	32.05	3	Vertical	275	2.01	-	20.24	27.67	4.38	-
PK	2.389G	65.34	74.00	-8.66	31.93	3	Vertical	275	2.01	-	33.41	27.64	4.29	-
PK	2.4374G	115.84	Inf	-Inf	31.94	3	Vertical	275	2.01	-	83.90	27.60	4.34	-
PK	2.4838G	66.59	74.00	-7.41	32.05	3	Vertical	275	2.01	-	34.54	27.67	4.38	-

802.11n HT20_Nss1,(MCS0)_2TX

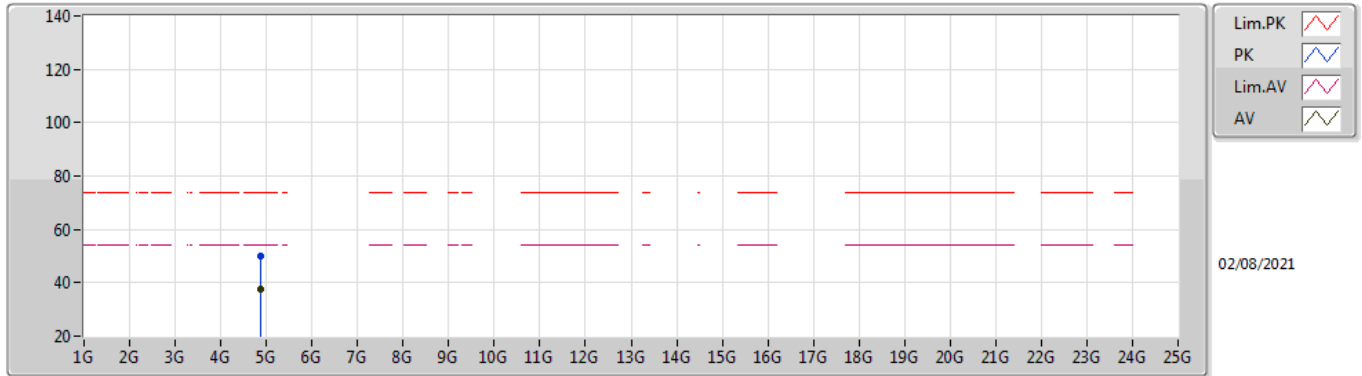
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	49.19	54.00	-4.81	31.93	3	Horizontal	289	1.89	-	17.26	27.64	4.29	-
AV	2.4366G	104.36	Inf	-Inf	31.94	3	Horizontal	289	1.89	-	72.42	27.60	4.34	-
AV	2.4835G	50.74	54.00	-3.26	32.05	3	Horizontal	289	1.89	-	18.69	27.67	4.38	-
PK	2.3886G	61.94	74.00	-12.06	31.94	3	Horizontal	289	1.89	-	30.00	27.65	4.29	-
PK	2.4338G	113.11	Inf	-Inf	31.93	3	Horizontal	289	1.89	-	81.18	27.60	4.33	-
PK	2.491G	63.47	74.00	-10.53	32.07	3	Horizontal	289	1.89	-	31.40	27.68	4.39	-

802.11n HT20_Nss1,(MCS0)_2TX

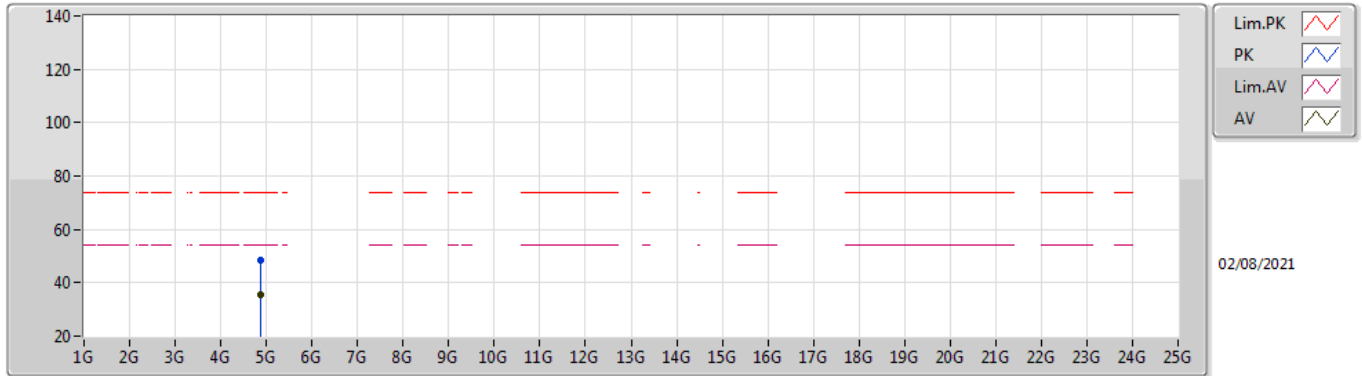
2437MHz_TX



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	4.87416G	37.37	54.00	-16.63	8.56	3	Vertical	338	1.08	-	28.81	31.20	6.57	29.21
PK	4.87668G	50.21	74.00	-23.79	8.57	3	Vertical	338	1.08	-	41.64	31.20	6.58	29.21

802.11n HT20_Nss1,(MCS0)_2TX

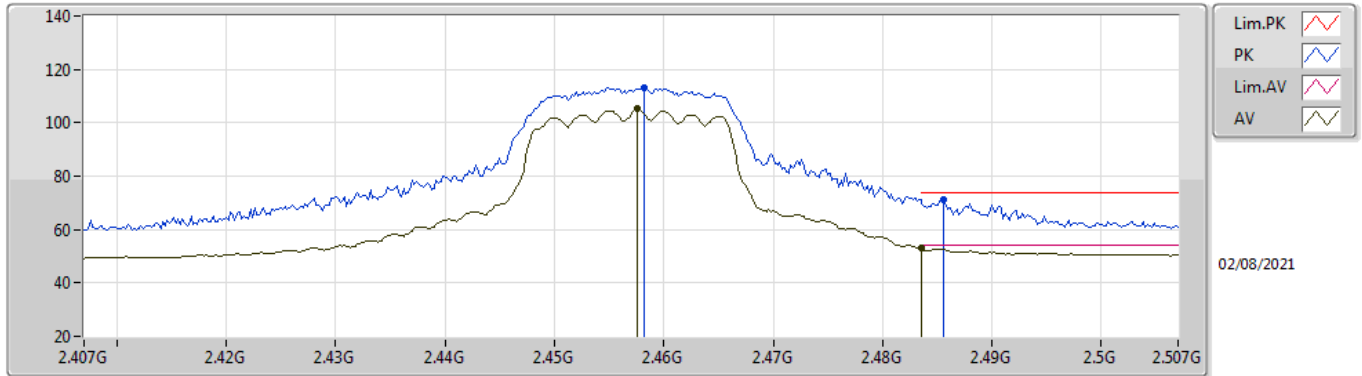
2437MHz_TX



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	4.87352G	35.72	54.00	-18.28	8.56	3	Horizontal	12	1.49	-	27.16	31.20	6.57	29.21
PK	4.87336G	48.23	74.00	-25.77	8.56	3	Horizontal	12	1.49	-	39.67	31.20	6.57	29.21

802.11n HT20_Nss1,(MCS0)_2TX

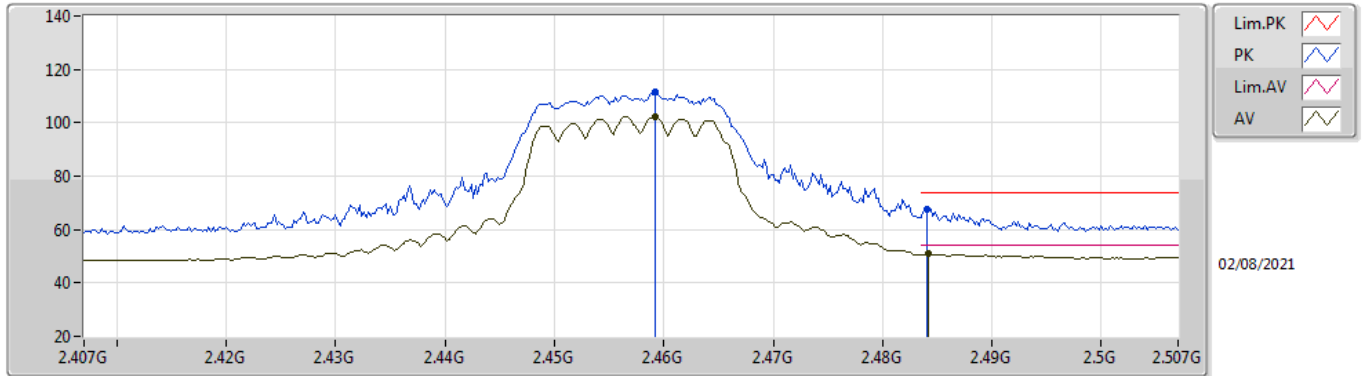
2457MHz_TX



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	2.4576G	105.19	Inf	-Inf	31.98	3	Vertical	295	1.68	-	73.21	27.62	4.36	-
AV	2.4835G	52.87	54.00	-1.13	32.05	3	Vertical	295	1.68	-	20.82	27.67	4.38	-
PK	2.4582G	113.07	Inf	-Inf	31.98	3	Vertical	295	1.68	-	81.09	27.62	4.36	-
PK	2.4856G	71.46	74.00	-2.54	32.06	3	Vertical	295	1.68	-	39.40	27.67	4.39	-

802.11n HT20_Nss1,(MCS0)_2TX

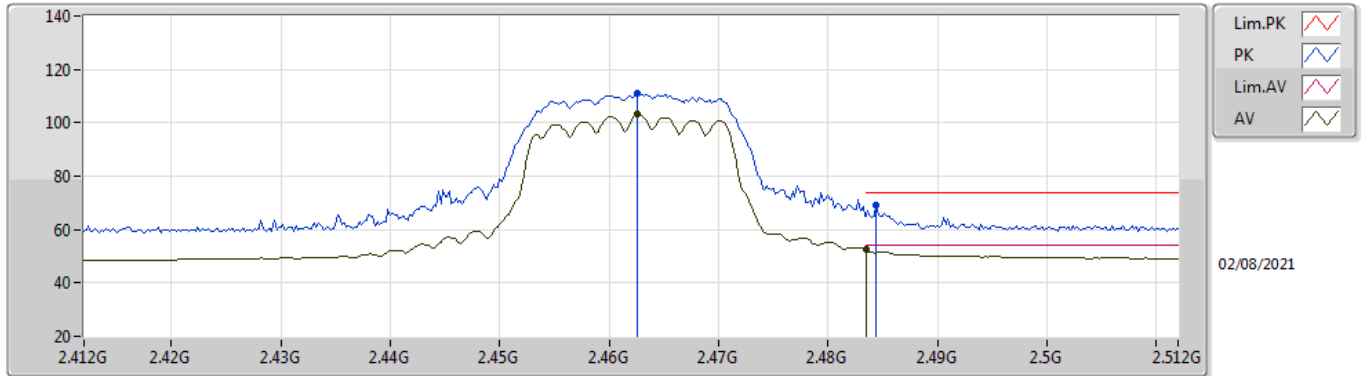
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4592G	102.26	Inf	-Inf	31.98	3	Horizontal	303	1.68	-	70.28	27.62	4.36	-
AV	2.4842G	50.98	54.00	-3.02	32.05	3	Horizontal	303	1.68	-	18.93	27.67	4.38	-
PK	2.4592G	111.37	Inf	-Inf	31.98	3	Horizontal	303	1.68	-	79.39	27.62	4.36	-
PK	2.484G	67.81	74.00	-6.19	32.05	3	Horizontal	303	1.68	-	35.76	27.67	4.38	-

802.11n HT20_Nss1,(MCS0)_2TX

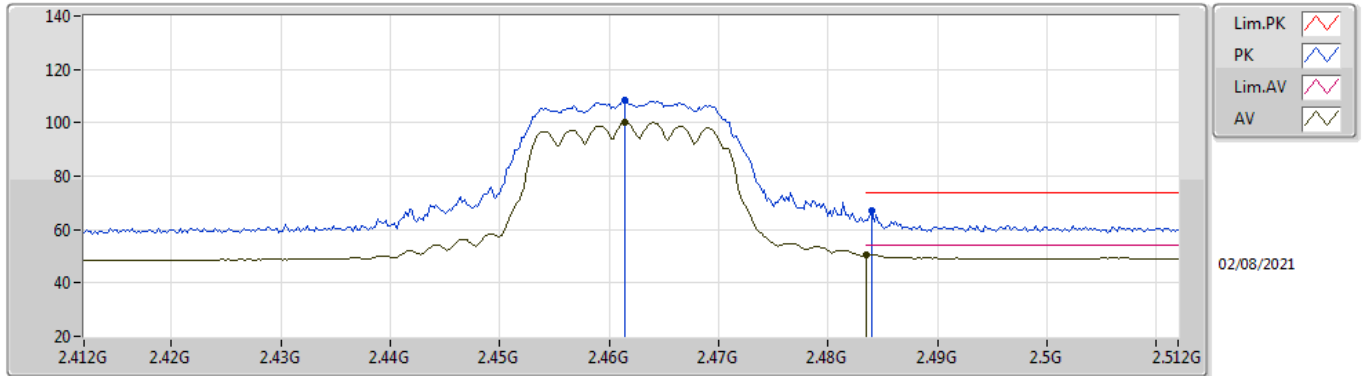
2462MHz_TX



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	2.4626G	103.02	Inf	-Inf	31.99	3	Vertical	273	2.19	-	71.03	27.63	4.36	-
AV	2.4835G	52.49	54.00	-1.51	32.05	3	Vertical	273	2.19	-	20.44	27.67	4.38	-
PK	2.4626G	110.83	Inf	-Inf	31.99	3	Vertical	273	2.19	-	78.84	27.63	4.36	-
PK	2.4844G	68.98	74.00	-5.02	32.05	3	Vertical	273	2.19	-	36.93	27.67	4.38	-

802.11n HT20_Nss1,(MCS0)_2TX

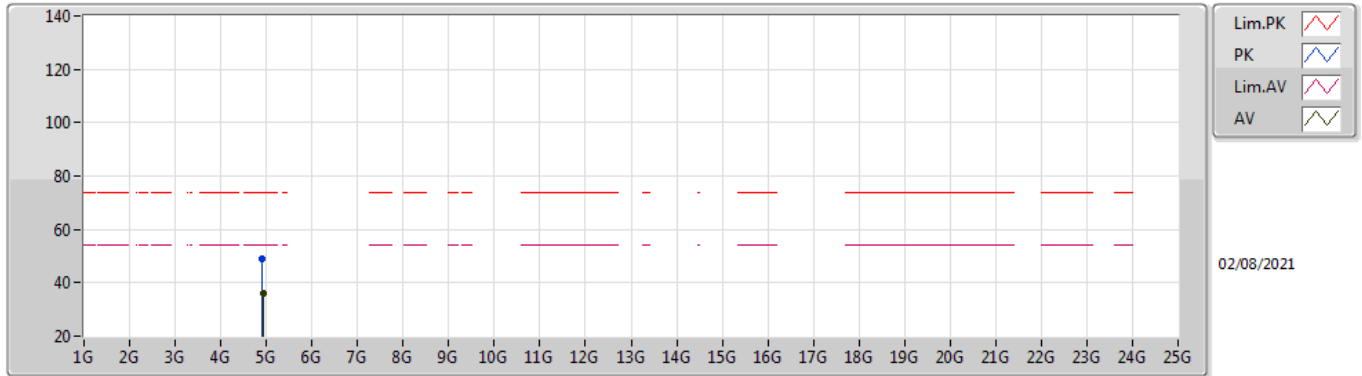
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4614G	100.30	Inf	-Inf	31.98	3	Horizontal	303	1.68	-	68.32	27.62	4.36	-
AV	2.4835G	50.50	54.00	-3.50	32.05	3	Horizontal	303	1.68	-	18.45	27.67	4.38	-
PK	2.4614G	108.52	Inf	-Inf	31.98	3	Horizontal	303	1.68	-	76.54	27.62	4.36	-
PK	2.484G	66.97	74.00	-7.03	32.05	3	Horizontal	303	1.68	-	34.92	27.67	4.38	-

802.11n HT20_Nss1,(MCS0)_2TX

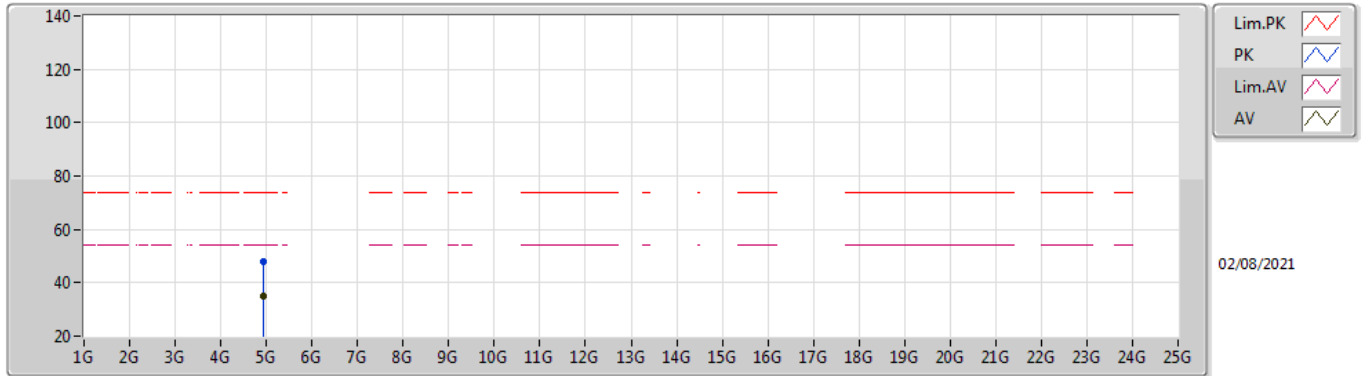
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9244G	36.02	54.00	-17.98	8.68	3	Vertical	341	1.29	-	27.34	31.25	6.62	29.19
PK	4.91916G	49.05	74.00	-24.95	8.66	3	Vertical	341	1.29	-	40.39	31.24	6.62	29.20

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92608G	34.76	54.00	-19.24	8.69	3	Horizontal	316	1.50	-	26.07	31.25	6.63	29.19
PK	4.9324G	47.82	74.00	-26.18	8.70	3	Horizontal	316	1.50	-	39.12	31.26	6.63	29.19



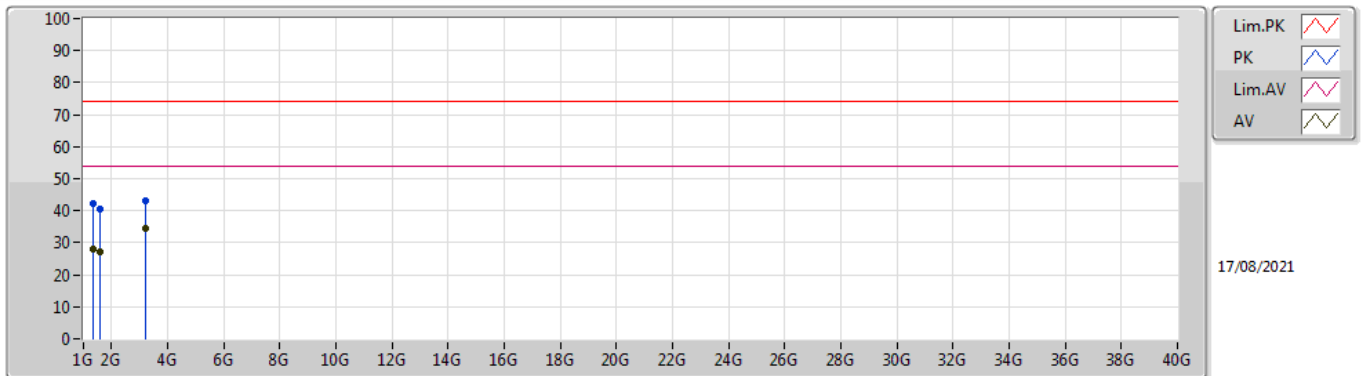
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	3.2023G	34.30	54.00	-19.70	Vertical
Mode 2	Pass	AV	4.81388G	47.01	54.00	-6.99	Vertical

Result

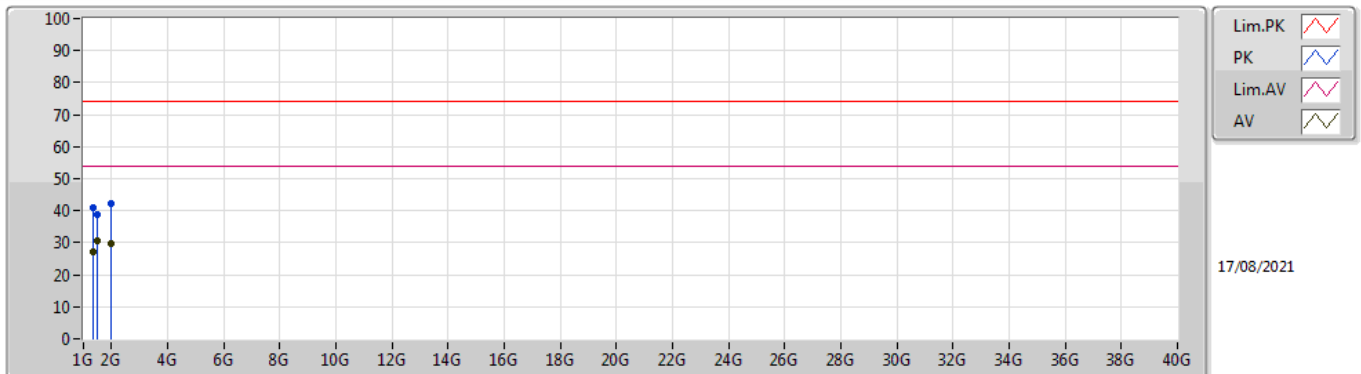
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	1.33144G	27.81	54.00	-26.19	3	Vertical	360	1.00	-
Mode 1	Pass	AV	1.603G	26.94	54.00	-27.06	3	Vertical	360	1.00	-
Mode 1	Pass	AV	3.2023G	34.30	54.00	-19.70	3	Vertical	360	1.00	-
Mode 1	Pass	PK	1.33144G	42.44	74.00	-31.56	3	Vertical	360	1.00	-
Mode 1	Pass	PK	1.603G	40.35	74.00	-33.65	3	Vertical	360	1.00	-
Mode 1	Pass	PK	3.2023G	43.24	74.00	-30.76	3	Vertical	360	1.00	-
Mode 1	Pass	AV	1.333G	26.97	54.00	-27.03	3	Horizontal	0	1.00	-
Mode 1	Pass	AV	1.492G	30.53	54.00	-23.47	3	Horizontal	0	1.00	-
Mode 1	Pass	AV	1.95934G	29.55	54.00	-24.45	3	Horizontal	0	1.00	-
Mode 1	Pass	PK	1.333G	41.11	74.00	-32.89	3	Horizontal	0	1.00	-
Mode 1	Pass	PK	1.492G	38.80	74.00	-35.20	3	Horizontal	0	1.00	-
Mode 1	Pass	PK	1.95934G	42.14	74.00	-31.86	3	Horizontal	0	1.00	-
Mode 2	Pass	AV	1.20004G	42.54	54.00	-11.46	3	Vertical	58	1.30	-
Mode 2	Pass	AV	1.50002G	44.21	54.00	-9.79	3	Vertical	360	1.50	-
Mode 2	Pass	AV	4.81388G	47.01	54.00	-6.99	3	Vertical	0	2.84	-
Mode 2	Pass	PK	1.20004G	46.00	74.00	-28.00	3	Vertical	58	1.30	-
Mode 2	Pass	PK	1.50002G	47.43	74.00	-26.57	3	Vertical	360	1.50	-
Mode 2	Pass	PK	4.81388G	54.39	74.00	-19.61	3	Vertical	0	2.84	-
Mode 2	Pass	AV	1.20004G	41.92	54.00	-12.08	3	Horizontal	66	1.94	-
Mode 2	Pass	AV	1.34136G	27.41	54.00	-26.59	3	Horizontal	0	1.00	-
Mode 2	Pass	AV	1.71598G	45.23	68.20	-22.97	3	Horizontal	199	2.15	-
Mode 2	Pass	PK	1.20004G	45.64	74.00	-28.36	3	Horizontal	66	1.94	-
Mode 2	Pass	PK	1.34136G	38.63	74.00	-35.37	3	Horizontal	0	1.00	-
Mode 2	Pass	PK	1.71598G	48.20	68.20	-20.00	3	Horizontal	199	2.15	-

Mode 1



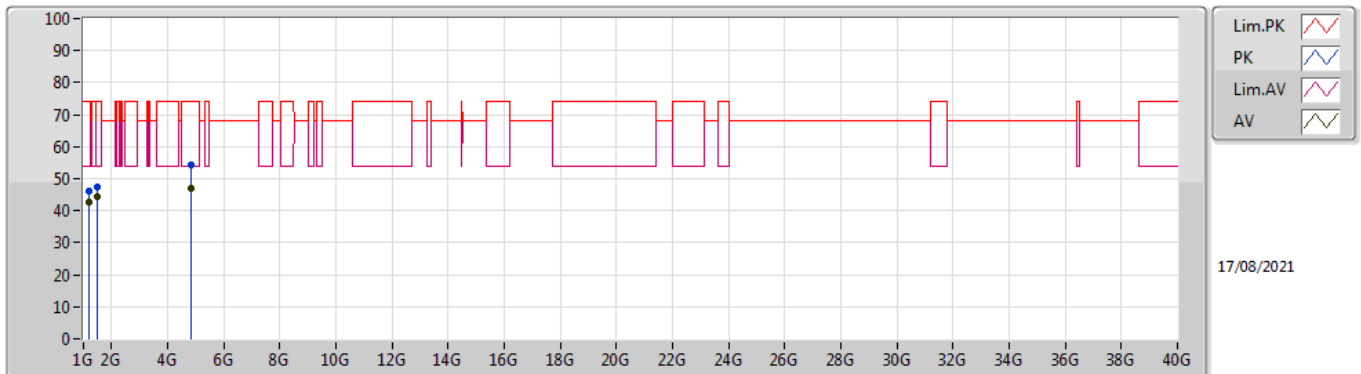
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.33144G	27.81	54.00	-26.19	-2.51	3	Vertical	360	1.00	-	30.32	25.86	3.24	31.61
AV	1.603G	26.94	54.00	-27.06	-2.25	3	Vertical	360	1.00	-	29.19	25.00	3.52	30.77
AV	3.2023G	34.30	54.00	-19.70	4.17	3	Vertical	360	1.00	-	30.13	28.89	5.07	29.79
PK	1.33144G	42.44	74.00	-31.56	-2.51	3	Vertical	360	1.00	-	44.95	25.86	3.24	31.61
PK	1.603G	40.35	74.00	-33.65	-2.25	3	Vertical	360	1.00	-	42.60	25.00	3.52	30.77
PK	3.2023G	43.24	74.00	-30.76	4.17	3	Vertical	360	1.00	-	39.07	28.89	5.07	29.79

Mode 1



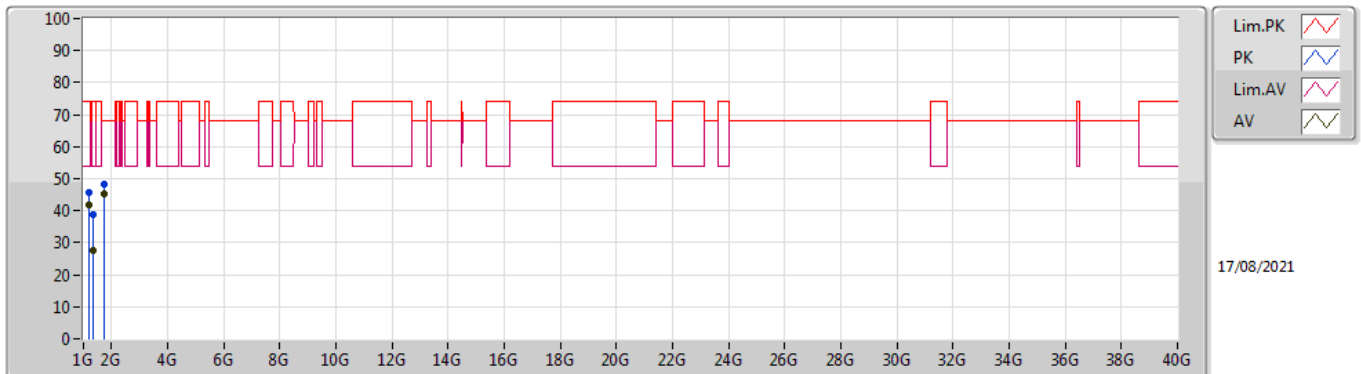
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.333G	26.97	54.00	-27.03	-2.49	3	Horizontal	0	1.00	-	29.46	25.87	3.24	31.60
AV	1.492G	30.53	54.00	-23.47	-1.76	3	Horizontal	0	1.00	-	32.29	25.76	3.42	30.94
AV	1.95934G	29.55	54.00	-24.45	-0.12	3	Horizontal	0	1.00	-	29.67	26.22	3.94	30.28
PK	1.333G	41.11	74.00	-32.89	-2.49	3	Horizontal	0	1.00	-	43.60	25.87	3.24	31.60
PK	1.492G	38.80	74.00	-35.20	-1.76	3	Horizontal	0	1.00	-	40.56	25.76	3.42	30.94
PK	1.95934G	42.14	74.00	-31.86	-0.12	3	Horizontal	0	1.00	-	42.26	26.22	3.94	30.28

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.20004G	42.54	54.00	-11.46	-3.41	3	Vertical	58	1.30	-	45.95	25.70	3.05	32.16
AV	1.50002G	44.21	54.00	-9.79	-1.78	3	Vertical	360	1.50	-	45.99	25.70	3.43	30.91
AV	4.81388G	47.01	54.00	-6.99	8.17	3	Vertical	0	2.84	-	38.84	31.13	6.27	29.23
PK	1.20004G	46.00	74.00	-28.00	-3.41	3	Vertical	58	1.30	-	49.41	25.70	3.05	32.16
PK	1.50002G	47.43	74.00	-26.57	-1.78	3	Vertical	360	1.50	-	49.21	25.70	3.43	30.91
PK	4.81388G	54.39	74.00	-19.61	8.17	3	Vertical	0	2.84	-	46.22	31.13	6.27	29.23

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.20004G	41.92	54.00	-12.08	-3.41	3	Horizontal	66	1.94	-	45.33	25.70	3.05	32.16
AV	1.34136G	27.41	54.00	-26.59	-2.44	3	Horizontal	0	1.00	-	29.85	25.88	3.25	31.57
AV	1.71598G	45.23	68.20	-22.97	-1.82	3	Horizontal	199	2.15	-	47.05	25.13	3.66	30.61
PK	1.20004G	45.64	74.00	-28.36	-3.41	3	Horizontal	66	1.94	-	49.05	25.70	3.05	32.16
PK	1.34136G	38.63	74.00	-35.37	-2.44	3	Horizontal	0	1.00	-	41.07	25.88	3.25	31.57
PK	1.71598G	48.20	68.20	-20.00	-1.82	3	Horizontal	199	2.15	-	50.02	25.13	3.66	30.61