

FCC Radio Test Report

FCC ID : PPQ-QCS403YA
Equipment : QCS403-based 11ac+BT5.1 connectivity LGA SOM
Brand Name : LITEON
Model Name : QCS403YA
Applicant : Lite-On Technology Corp.
Bldg. C, 90, Chien 1 Road, Chung Ho, New Taipei
City 23585, Taiwan, R.O.C
Manufacturer : LITE-ON TECHNOLOGY (Changzhou) CO., LTD
A9 Building, No.88 Yanghu Road, Wujin Hi-Tech
Industrial Development Zone, Changzhou City,
Jiangsu Province 213100 China
Standard : 47 CFR FCC Part 15.247

The product was received on Apr. 07, 2021, and testing was started from Apr. 15, 2021 and completed on Apr. 23, 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

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issued Date
FR133007AC	01	Initial issue of report	Jan. 03, 2022

Summary of Test Result

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

Declaration of Conformity:

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

Comments and explanations:

None

Reviewed by: Sam Tsai

Report Producer: Jenny Yang

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

Note:

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	INPAQ	RFPCA370808IMLB302	PIFA Antenna	I-PEX
2	INPAQ	RFPCA370811IMLB301	PIFA Antenna	I-PEX
3	INPAQ	RFPCA370838IMLB302	PIFA Antenna	I-PEX
4	INPAQ	RFPCA320808IMAB301	PIFA Antenna	I-PEX
5	INPAQ	RFPCA320806IMAB302	PIFA Antenna	I-PEX

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	1	2.55	4.87	2.55
2	1	2.4	4.56	2.4
3	1	2.02	5.46	2.02
4	1	2.5	-	2.5
5	1	2.5	-	2.5

Note 1: The EUT has five antennas. (Optional)

Note 2: EUT can match with above antennas for using. The higher gain for 2.4G (Ant. 1) and higher gain for 5G (Ant. 3) was used to perform the worst configuration and result of that was recorded as the final test result.

For 2.4GHz function:

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

Ant. 1/2/3/4/5 (port 1) can be used as transmitting/receiving.

**For BT function:**

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

Ant. 1/2/3/4/5 (port 1) can be used as transmitting/receiving.

For 5GHz function:

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

Ant. 1/2/3 (port 1) can be used as transmitting/receiving.

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	0.975	0.11	12.209m	100
802.11g	0.982	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT20	0.979	0.09	1.705m	1k
802.11n HT40	0.942	0.26	839.375u	3k

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

1.2 Testing Applied Standards

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

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

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

- ♦ KDB 558074 D01 v05r02
- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

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	Edward Wang	21.2~22.3°C / 58~63%	17/Apr/2021
RF Conducted	TH01-HY	Vivi Jiang	20.1~26.9°C / 50~60%	20/Apr/2021
Radiated	03CH03-HY	Billy Wang	20.1~26.9°C / 52~54%	15/Apr/2021~23/Apr/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	QDART_WIN_4_8_Installer_00072_1
-----------------------	---------------------------------

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	19
2437MHz	17
2462MHz	18
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	16.5
2417MHz	19
2437MHz	25.5
2457MHz	21.5
2462MHz	18.5
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	15
2417MHz	18.5
2437MHz	24.5
2457MHz	20.5
2462MHz	17
802.11n HT40_Nss1,(MCS0)_1TX	-
2422MHz	11.5
2427MHz	12
2437MHz	14.5
2447MHz	14.5
2452MHz	14

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	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT		V	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	Bluetooth+WLAN 2.4GHz
Refer to Sporton Test Report No.: FA133007 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	



2.3 Support Equipment

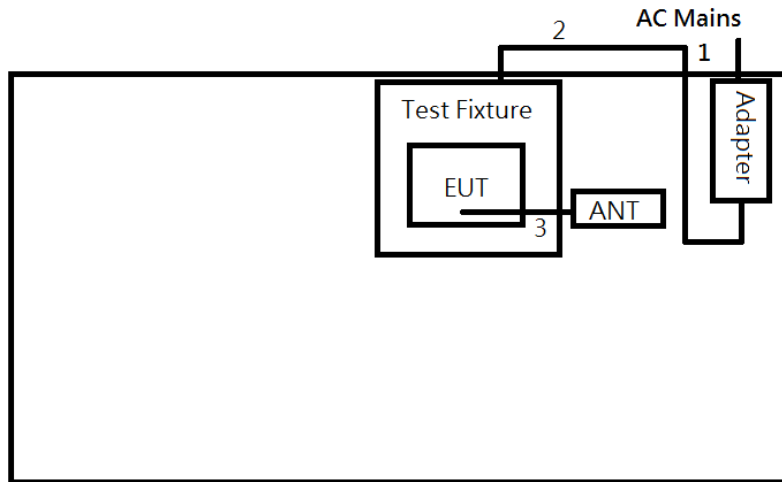
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC adapter	GlobTek	GT-46600-6012-T2	-	-
2	Test Fixture	-	-	-	-

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	AC adapter	GlobTek	GT-46600-6012-T2	-	-
4	Test Fixture	-	-	-	-

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC adapter	GlobTek	GT-46600-6012-T2	-	-
2	Test Fixture	-	-	-	-

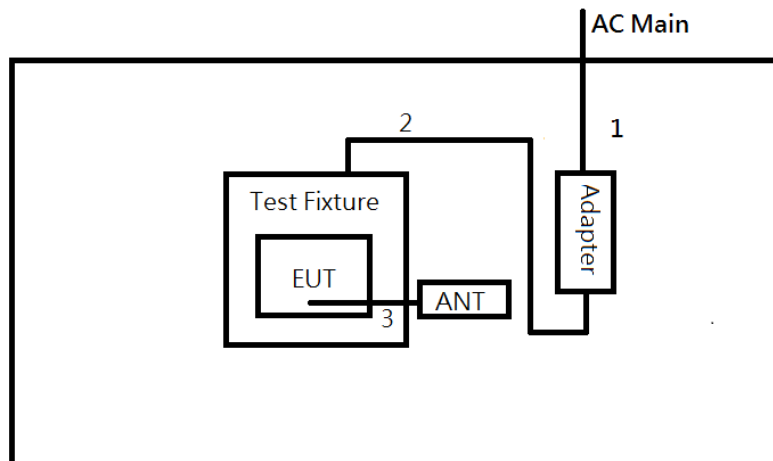
2.4 Test Setup Diagram

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	1.2	-
3	RF Cable	No	0.038	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power Cable	No	1.2	-
3	RF Cable	No	0.038	-

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

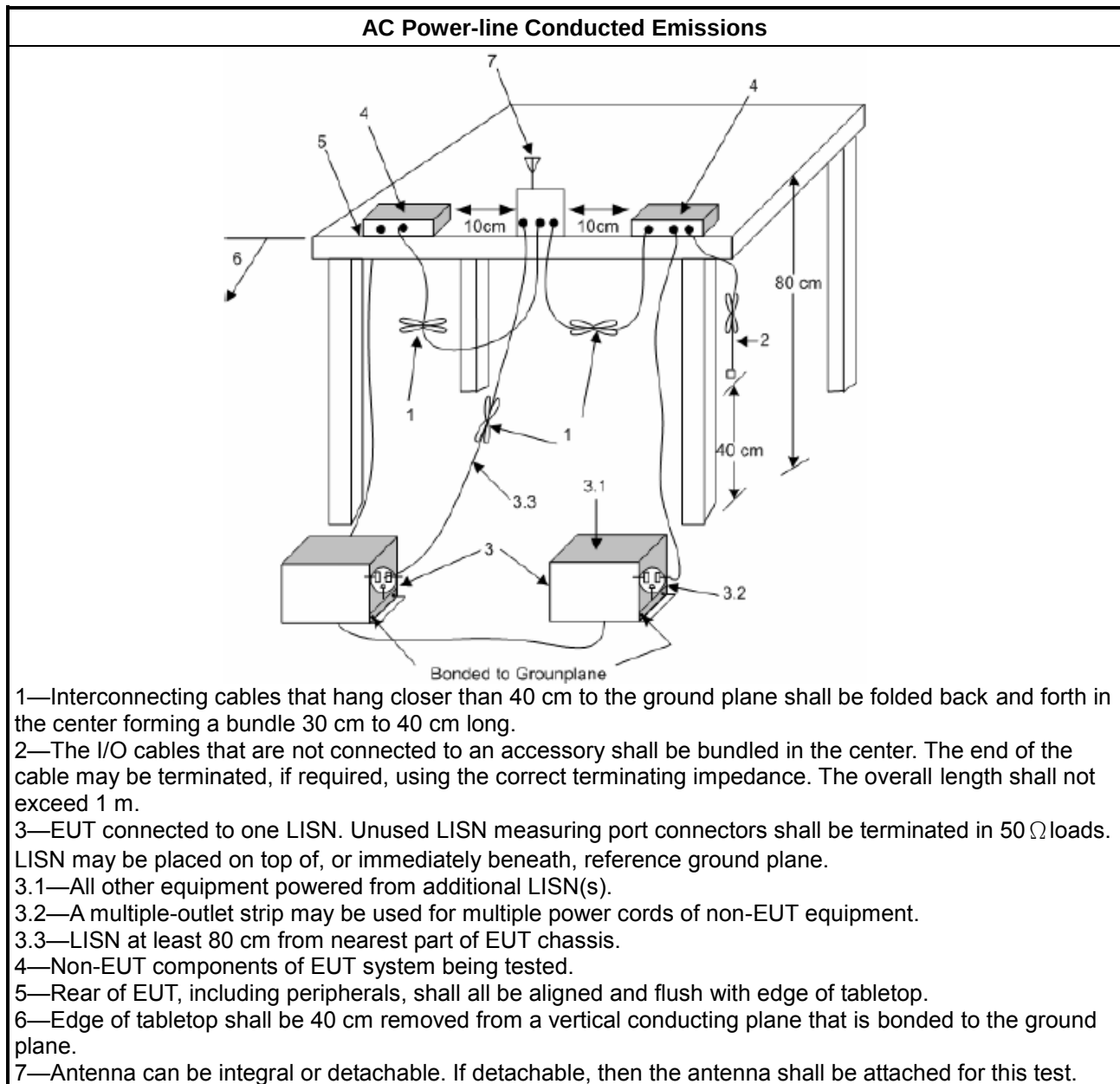
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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.

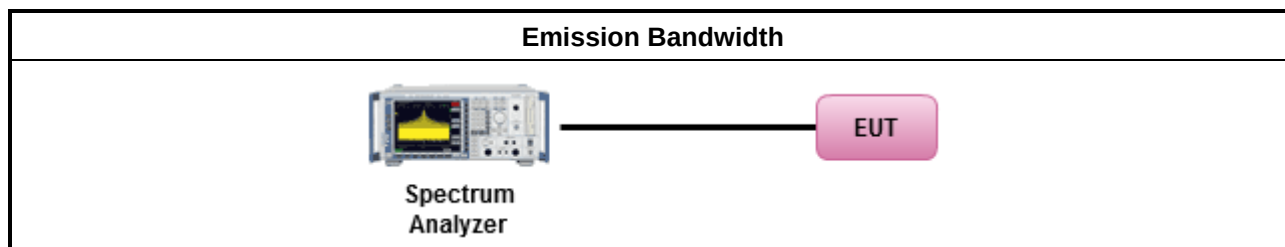
3.2.2 Measuring Instruments

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.		

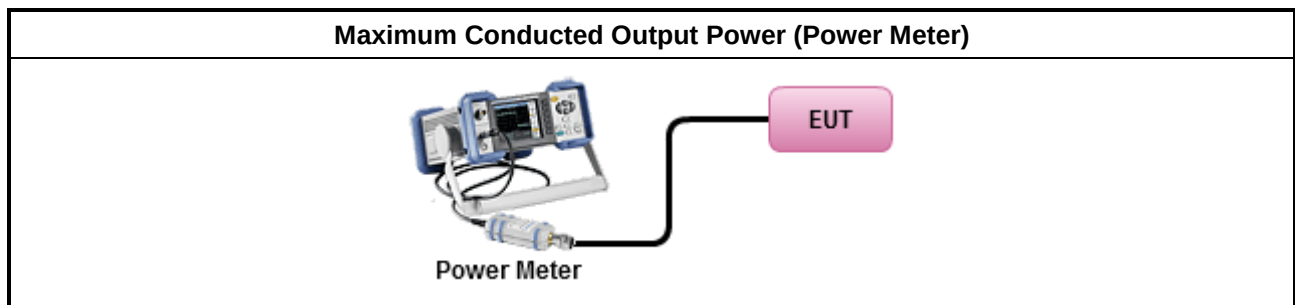
3.3.2 Measuring Instruments

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

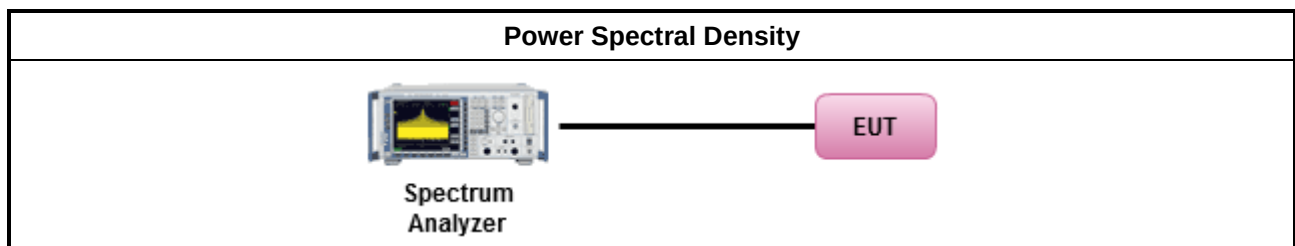
3.4.2 Measuring Instruments

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.	

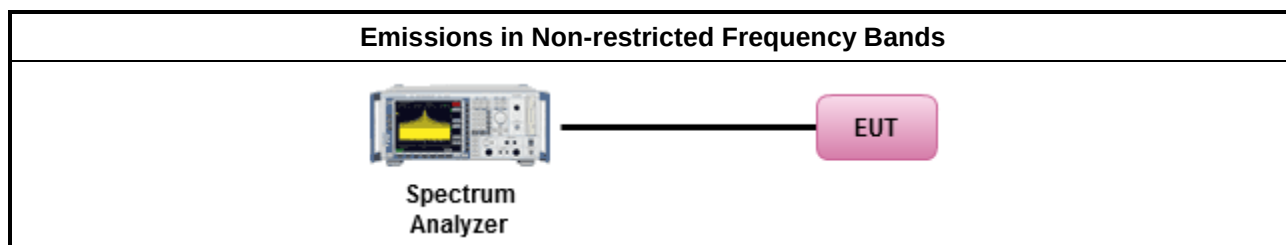
3.5.2 Measuring Instruments

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

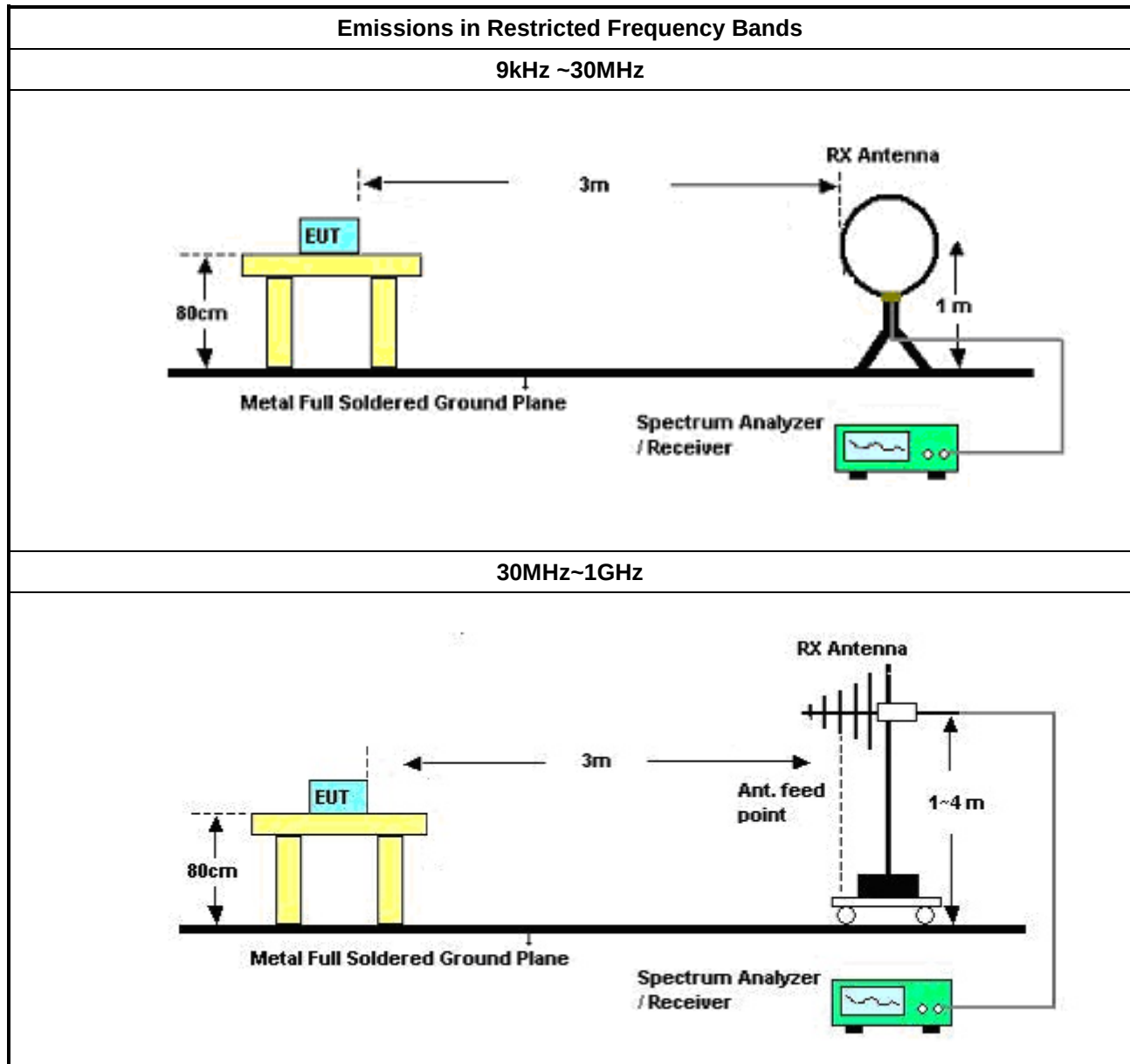
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted 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.

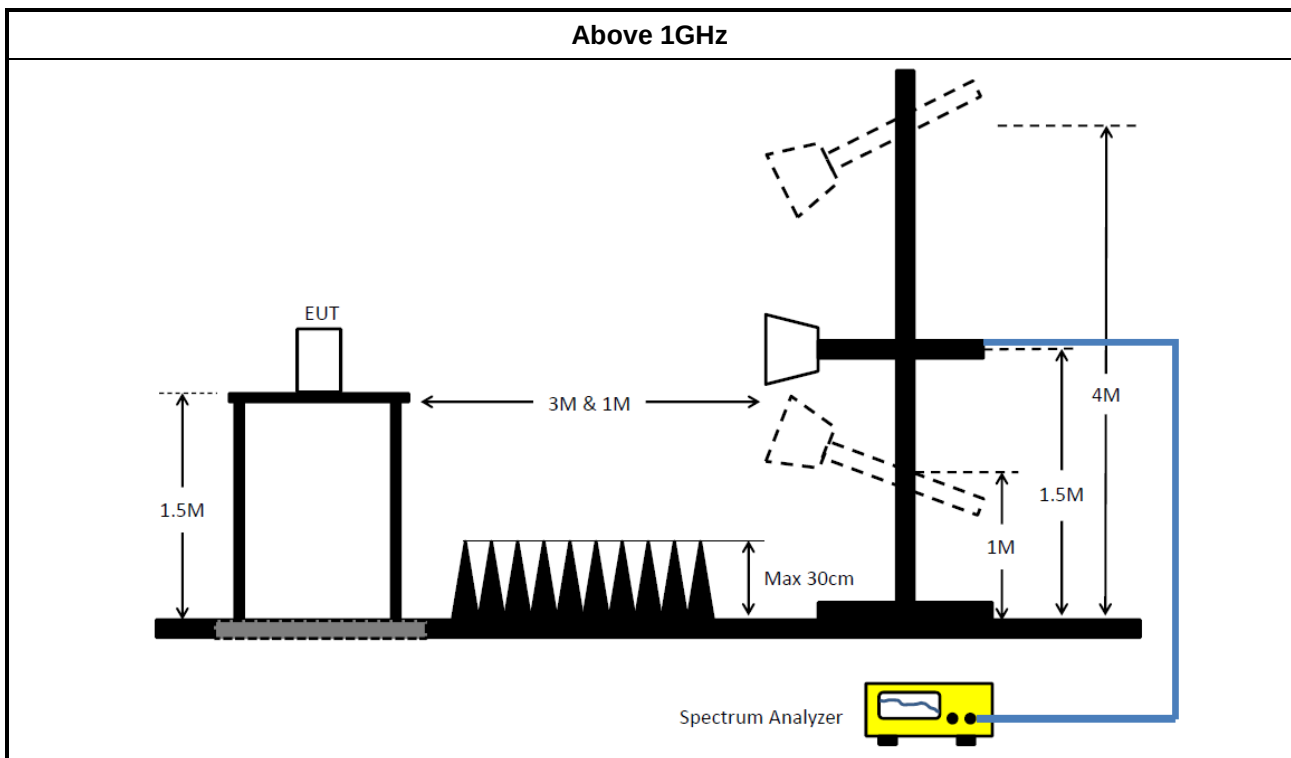
3.6.4 Measurement Results Calculation

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	ESR3	102051	9kHz ~ 3.6GHz	29/May/2020	28/May/2021
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 Puls e 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	101013	10Hz~40GHz	30/Mar/2021	29/Mar/2022
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	20/Oct/2020	19/Oct/2021
Pulse Sensor	Anritsu	MA2411B	0917017	300MHz~40GHz	23/Feb/2021	22/Feb/2022
Power Meter	Anritsu	ML2495A	0949003	300MHz~40GHz	23/Feb/2021	22/Feb/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
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
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMC	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	25/Oct/2020	24/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-R03m	Jye Bao	RG142	MY37335/4+CB0 21-1+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	15GHz~40GHz	11/Mar/2021	10/Mar/2022
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	09/Mar/2021	08/Mar/2022
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	19/Jun/2020	18/Jun/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2021	15/Mar/2022
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	13/Apr/2021	12/Apr/2022
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	29/May/2020	28/May/2021



Conducted Emissions at Powerline

Appendix A

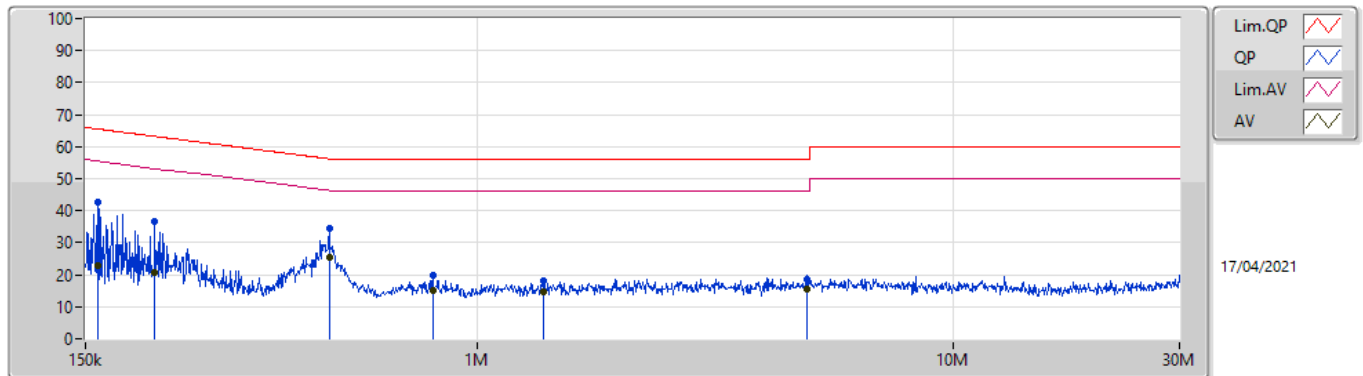
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	488.957k	25.55	46.19	-20.64	Line

Result

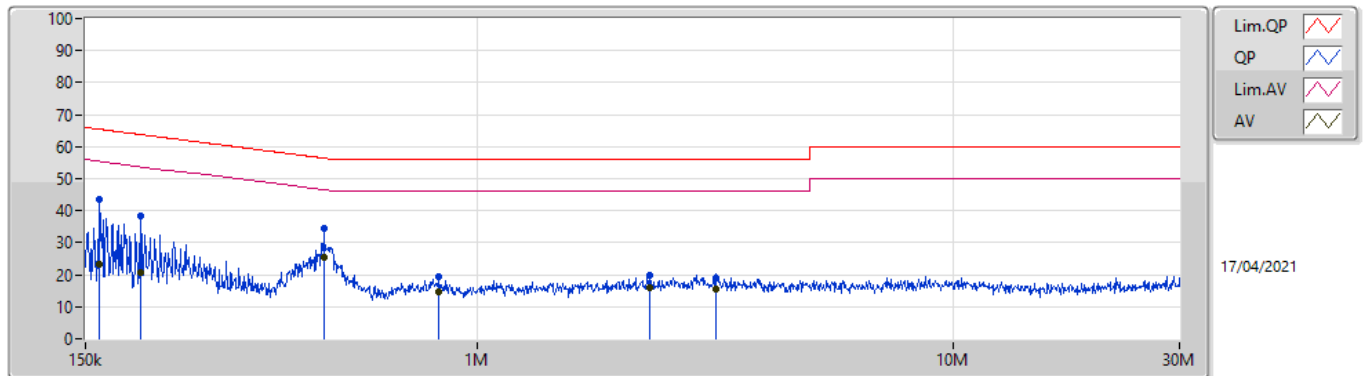
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	159.256k	42.64	65.50	-22.86	Line	-
Mode 1	Pass	AV	159.256k	22.92	55.50	-32.58	Line	-
Mode 1	Pass	QP	209.76k	36.80	63.21	-26.41	Line	-
Mode 1	Pass	AV	209.76k	20.79	53.21	-32.42	Line	-
Mode 1	Pass	QP	488.957k	34.54	56.19	-21.65	Line	-
Mode 1	Pass	AV	488.957k	25.55	46.19	-20.64	Line	-
Mode 1	Pass	QP	805.349k	19.91	56.00	-36.09	Line	-
Mode 1	Pass	AV	805.349k	14.90	46.00	-31.10	Line	-
Mode 1	Pass	QP	1.38M	17.97	56.00	-38.03	Line	-
Mode 1	Pass	AV	1.38M	14.62	46.00	-31.38	Line	-
Mode 1	Pass	QP	4.952M	18.42	56.00	-37.58	Line	-
Mode 1	Pass	AV	4.952M	15.36	46.00	-30.64	Line	-
Mode 1	Pass	QP	159.893k	43.37	65.46	-22.09	Neutral	-
Mode 1	Pass	AV	159.893k	23.19	55.46	-32.27	Neutral	-
Mode 1	Pass	QP	195.997k	38.41	63.78	-25.37	Neutral	-
Mode 1	Pass	AV	195.997k	20.76	53.78	-33.02	Neutral	-
Mode 1	Pass	QP	475.482k	34.48	56.42	-21.94	Neutral	-
Mode 1	Pass	AV	475.482k	25.45	46.42	-20.97	Neutral	-
Mode 1	Pass	QP	831.484k	19.43	56.00	-36.57	Neutral	-
Mode 1	Pass	AV	831.484k	14.61	46.00	-31.39	Neutral	-
Mode 1	Pass	QP	2.301M	19.88	56.00	-36.12	Neutral	-
Mode 1	Pass	AV	2.301M	15.86	46.00	-30.14	Neutral	-
Mode 1	Pass	QP	3.18M	19.17	56.00	-36.83	Neutral	-
Mode 1	Pass	AV	3.18M	15.44	46.00	-30.56	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	159.256k	42.64	65.50	-22.86	19.63	Line	-	23.01	9.69	0.04	9.90			
AV	159.256k	22.92	55.50	-32.58	19.63	Line	-	3.29	9.69	0.04	9.90			
QP	209.76k	36.80	63.21	-26.41	19.62	Line	-	17.18	9.68	0.04	9.90			
AV	209.76k	20.79	53.21	-32.42	19.62	Line	-	1.17	9.68	0.04	9.90			
QP	488.957k	34.54	56.19	-21.65	19.61	Line	-	14.93	9.67	0.06	9.88			
AV	488.957k	25.55	46.19	-20.64	19.61	Line	-	5.94	9.67	0.06	9.88			
QP	805.349k	19.91	56.00	-36.09	19.57	Line	-	0.34	9.67	0.08	9.82			
AV	805.349k	14.90	46.00	-31.10	19.57	Line	-	-4.67	9.67	0.08	9.82			
QP	1.38M	17.97	56.00	-38.03	19.56	Line	-	-1.59	9.67	0.09	9.80			
AV	1.38M	14.62	46.00	-31.38	19.56	Line	-	-4.94	9.67	0.09	9.80			
QP	4.952M	18.42	56.00	-37.58	19.75	Line	-	-1.33	9.70	0.15	9.90			
AV	4.952M	15.36	46.00	-30.64	19.75	Line	-	-4.39	9.70	0.15	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	159.893k	43.37	65.46	-22.09	19.63	Neutral	-	23.74	9.69	0.04	9.90			
AV	159.893k	23.19	55.46	-32.27	19.63	Neutral	-	3.56	9.69	0.04	9.90			
QP	195.997k	38.41	63.78	-25.37	19.62	Neutral	-	18.79	9.68	0.04	9.90			
AV	195.997k	20.76	53.78	-33.02	19.62	Neutral	-	1.14	9.68	0.04	9.90			
QP	475.482k	34.48	56.42	-21.94	19.61	Neutral	-	14.87	9.67	0.06	9.88			
AV	475.482k	25.45	46.42	-20.97	19.61	Neutral	-	5.84	9.67	0.06	9.88			
QP	831.484k	19.43	56.00	-36.57	19.57	Neutral	-	-0.14	9.67	0.08	9.82			
AV	831.484k	14.61	46.00	-31.39	19.57	Neutral	-	-4.96	9.67	0.08	9.82			
QP	2.301M	19.88	56.00	-36.12	19.61	Neutral	-	0.27	9.68	0.11	9.82			
AV	2.301M	15.86	46.00	-30.14	19.61	Neutral	-	-3.75	9.68	0.11	9.82			
QP	3.18M	19.17	56.00	-36.83	19.69	Neutral	-	-0.52	9.69	0.13	9.87			
AV	3.18M	15.44	46.00	-30.56	19.69	Neutral	-	-4.25	9.69	0.13	9.87			

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	9.025M	13.868M	13M9G1D	8.075M	13.818M
802.11g_Nss1,(6Mbps)_1TX	16.3M	25.862M	25M9D1D	15.85M	16.642M
802.11n HT20_Nss1,(MCS0)_1TX	17M	23.213M	23M2D1D	15.9M	17.816M
802.11n HT40_Nss1,(MCS0)_1TX	35.85M	36.382M	36M4D1D	35.5M	36.332M

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

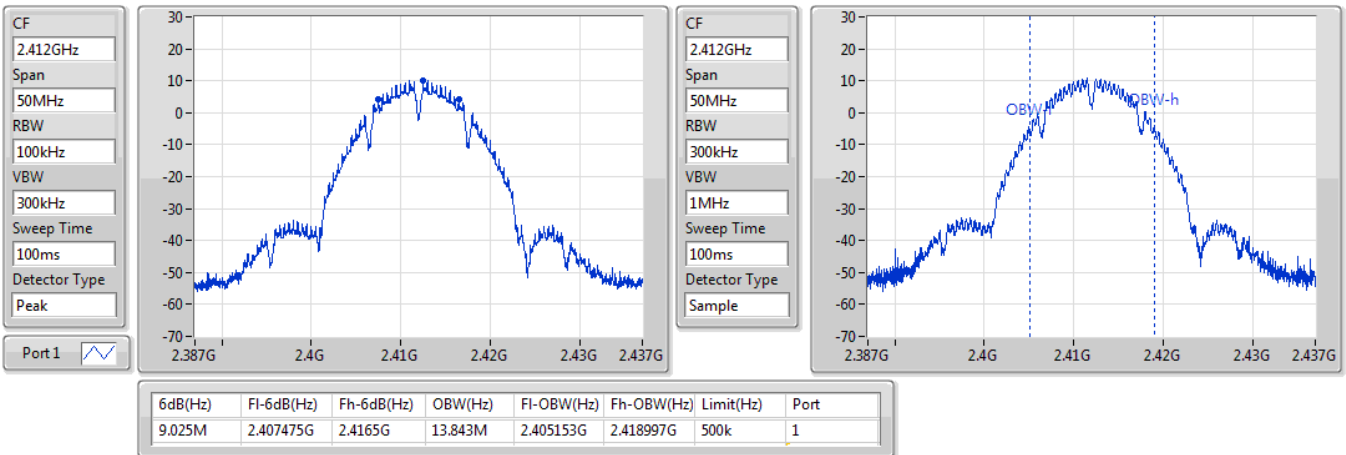
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz_TnomVnom	Pass	500k	9.025M	13.843M
2437MHz_TnomVnom	Pass	500k	8.55M	13.818M
2462MHz_TnomVnom	Pass	500k	8.075M	13.868M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz_TnomVnom	Pass	500k	16.3M	16.642M
2437MHz_TnomVnom	Pass	500k	16.3M	25.862M
2462MHz_TnomVnom	Pass	500k	15.85M	16.642M
802.11n_HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz_TnomVnom	Pass	500k	15.9M	17.816M
2437MHz_TnomVnom	Pass	500k	17M	23.213M
2462MHz_TnomVnom	Pass	500k	16.55M	17.841M
802.11n_HT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz_TnomVnom	Pass	500k	35.5M	36.382M
2437MHz_TnomVnom	Pass	500k	35.85M	36.382M
2452MHz_TnomVnom	Pass	500k	35.8M	36.332M

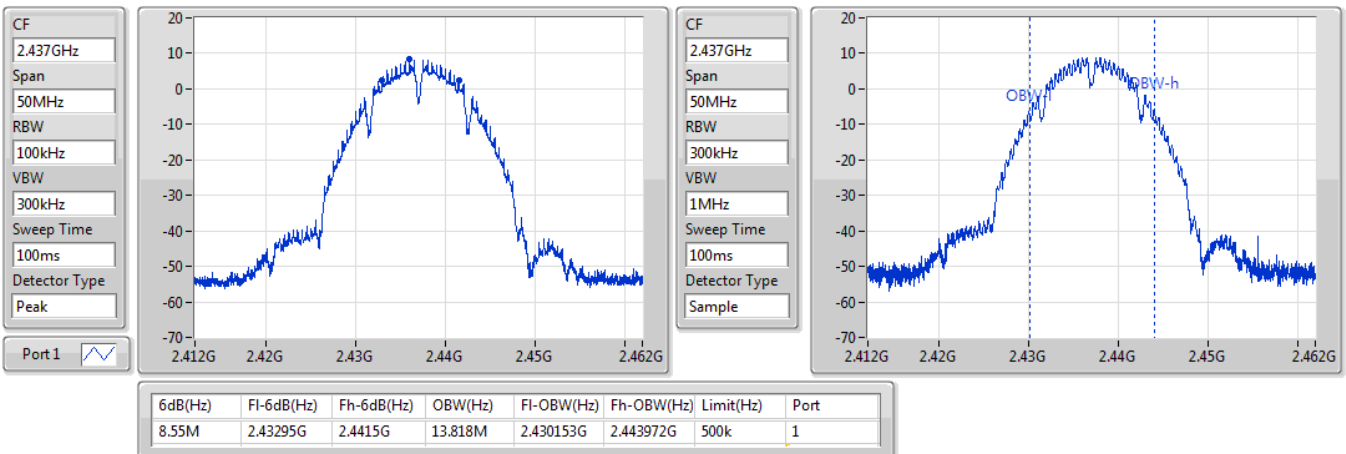
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11b_Nss1,(1Mbps)_1TX
EBW
2412MHz

20/04/2021


802.11b_Nss1,(1Mbps)_1TX
EBW
2437MHz

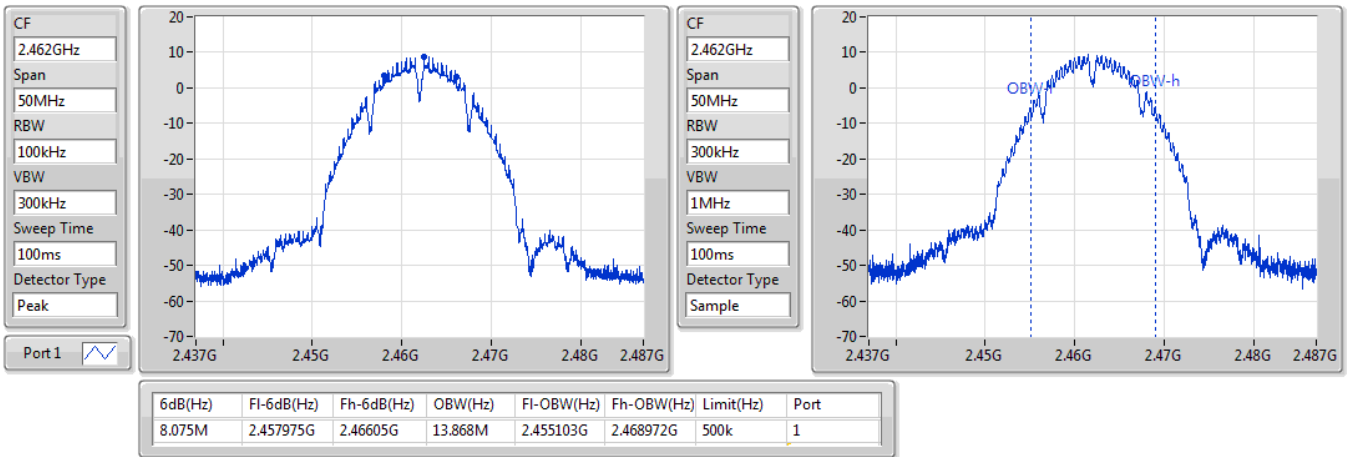
20/04/2021



802.11b_Nss1,(1Mbps)_1TX

EBW
2462MHz

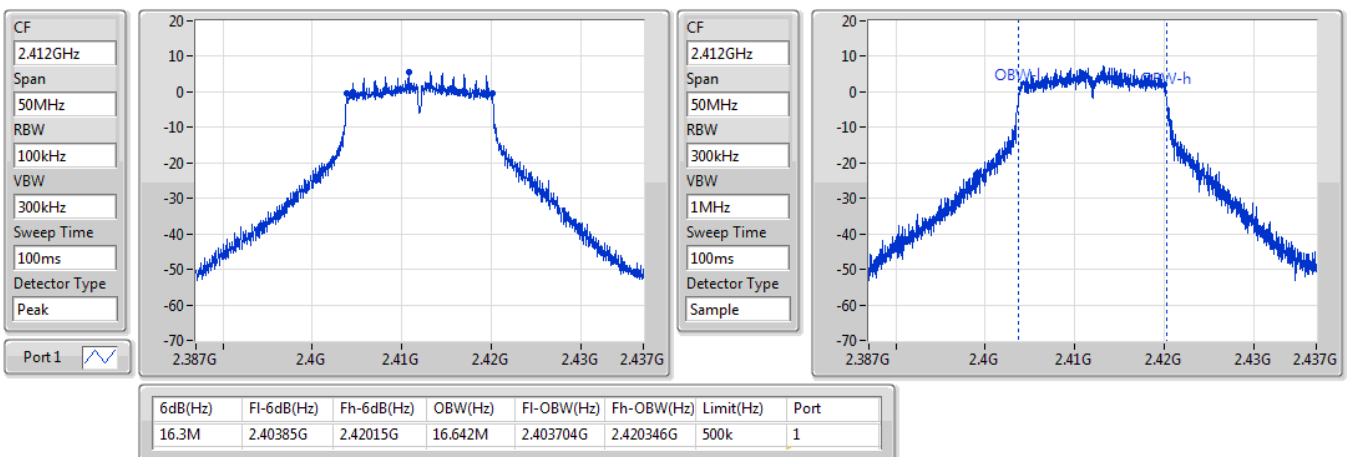
20/04/2021



802.11g_Nss1,(6Mbps)_1TX

EBW
2412MHz

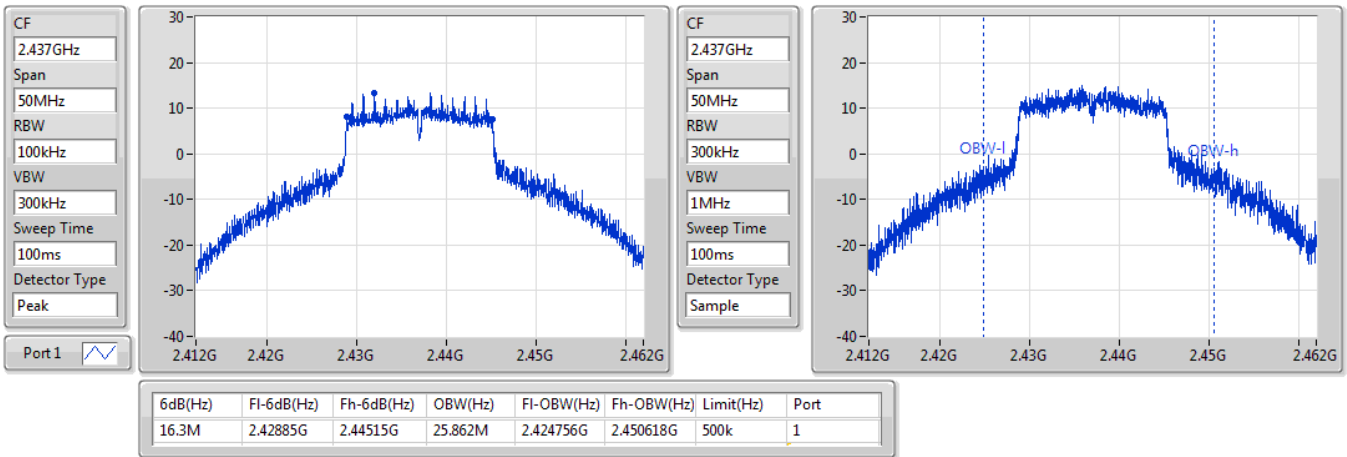
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802.11g_Nss1,(6Mbps)_1TX

EBW
2437MHz

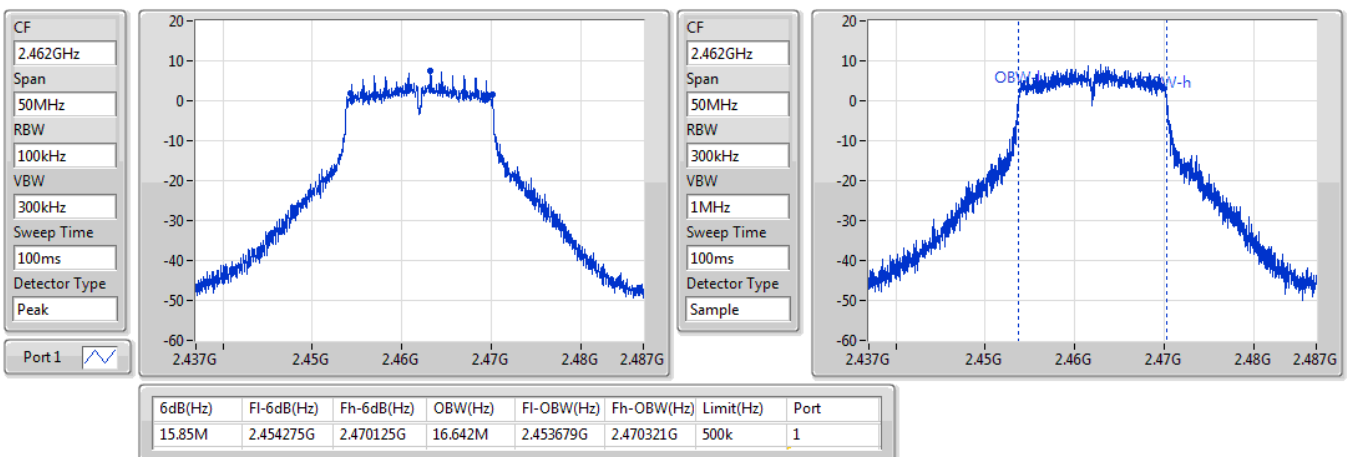
20/04/2021



802.11g_Nss1,(6Mbps)_1TX

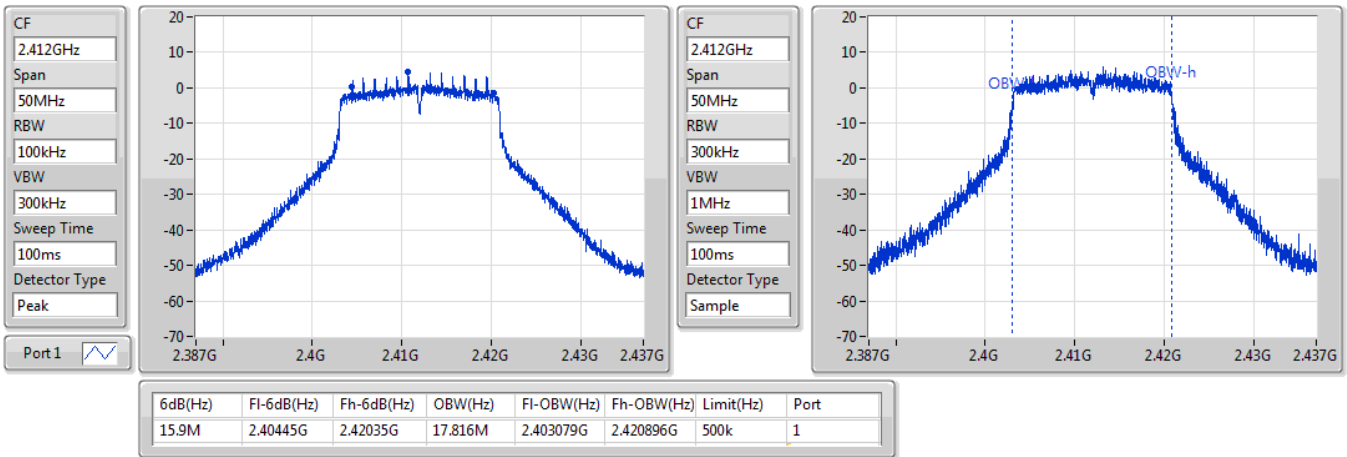
EBW
2462MHz

20/04/2021

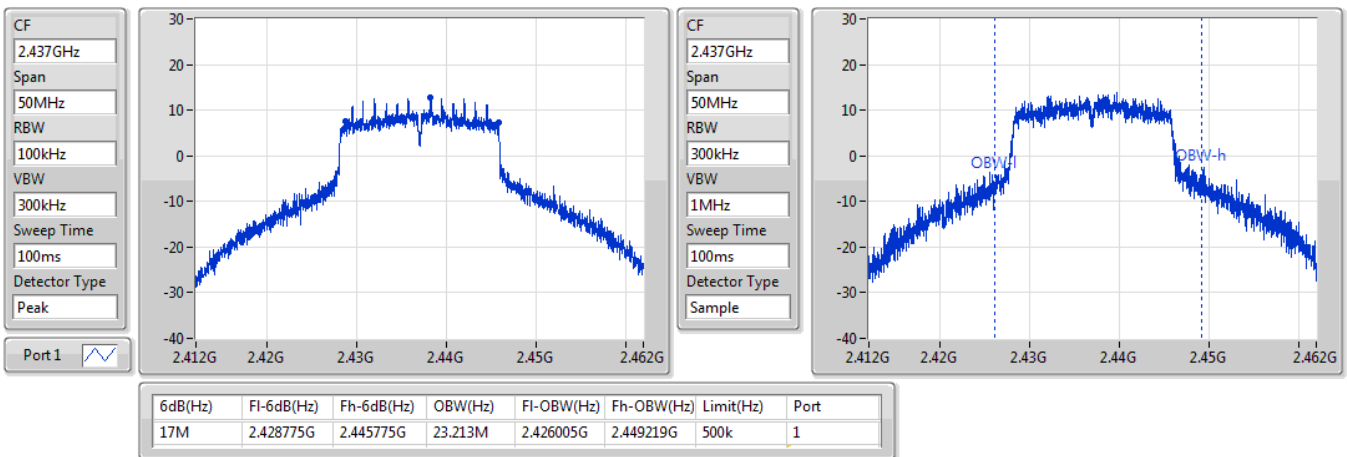


802.11n HT20_Nss1,(MCS0)_1TX
EBW
2412MHz

20/04/2021

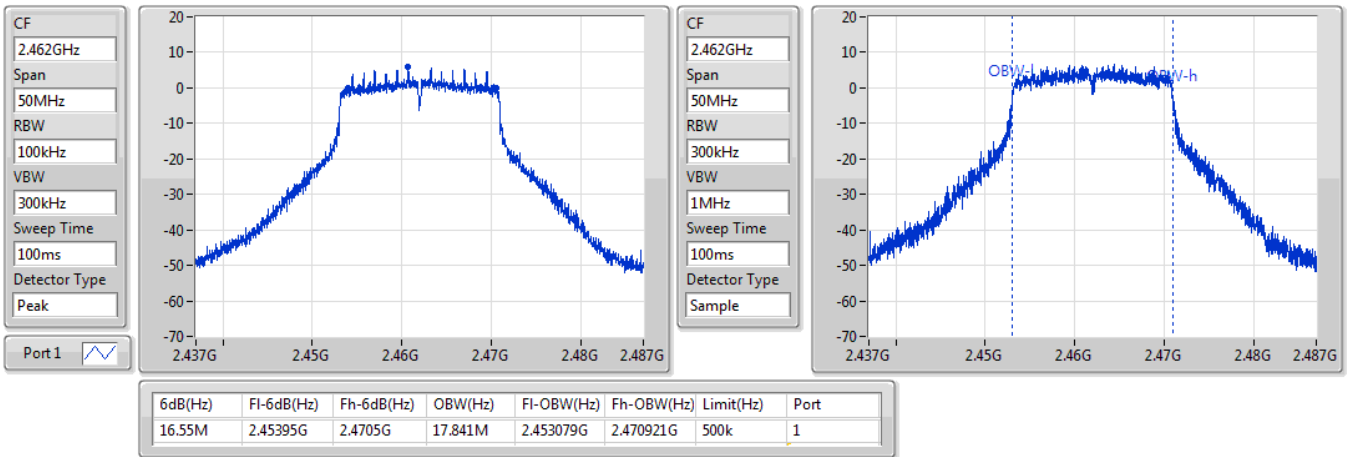

802.11n HT20_Nss1,(MCS0)_1TX
EBW
2437MHz

20/04/2021

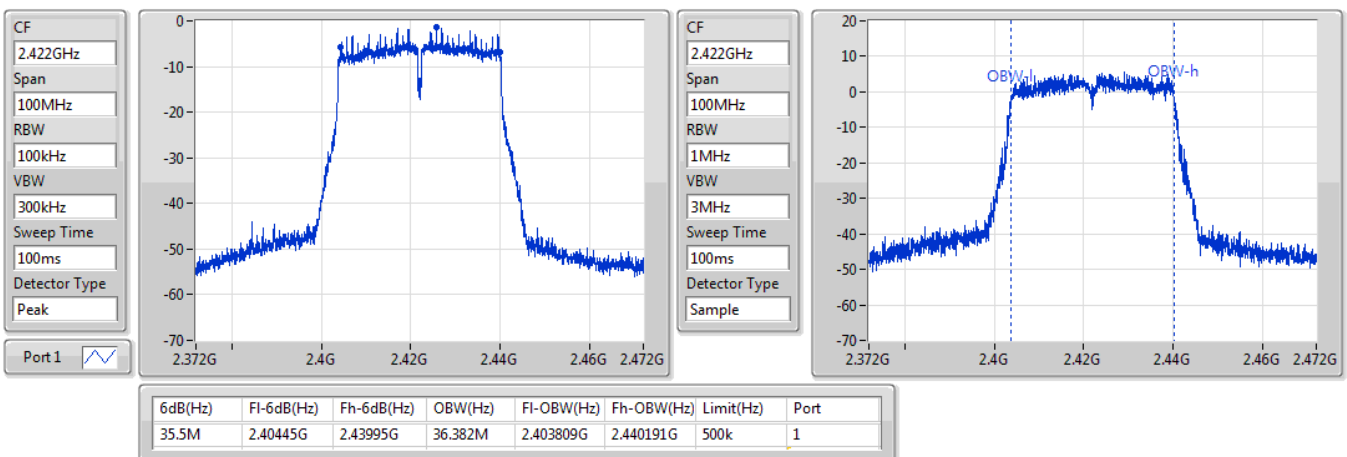


802.11n HT20_Nss1,(MCS0)_1TX
EBW
2462MHz

20/04/2021

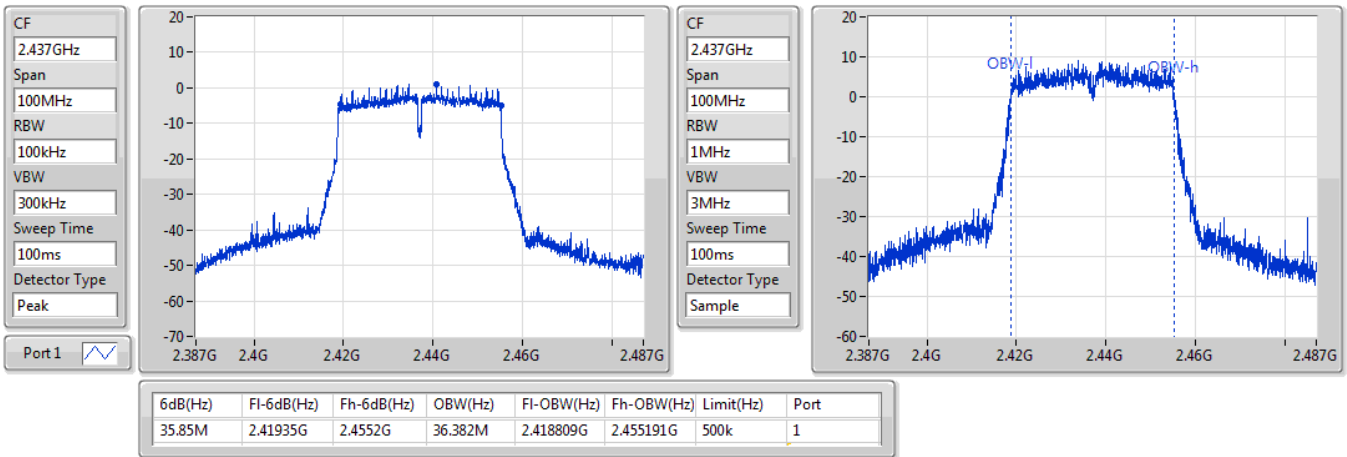

802.11n HT40_Nss1,(MCS0)_1TX
EBW
2422MHz

20/04/2021

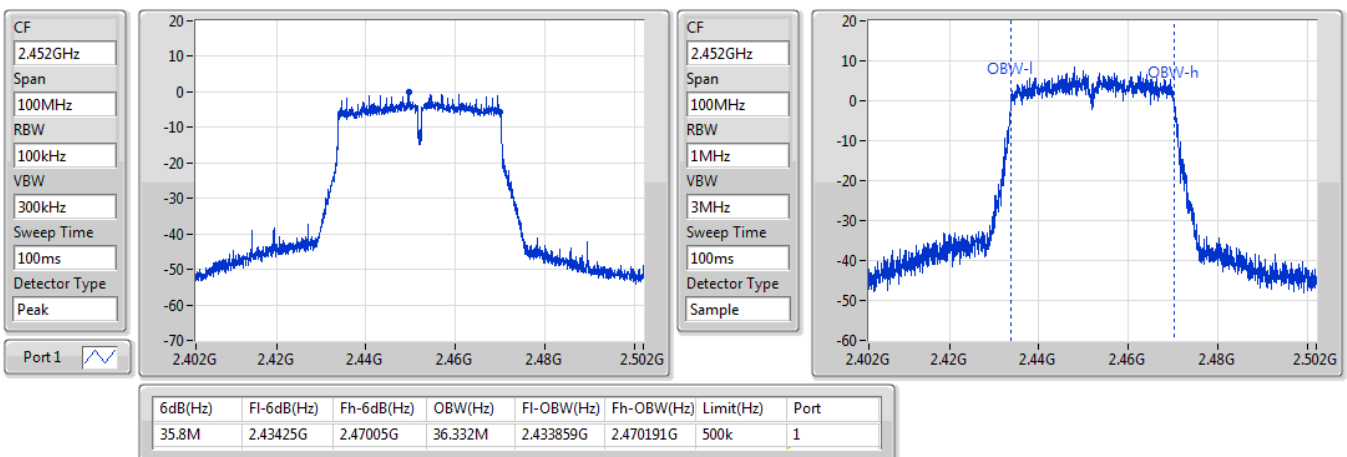


802.11n HT40_Nss1,(MCS0)_1TX
EBW
2437MHz

20/04/2021


802.11n HT40_Nss1,(MCS0)_1TX
EBW
2452MHz

20/04/2021





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	18.90	0.07762
802.11g_Nss1,(6Mbps)_1TX	23.87	0.24378
802.11n HT20_Nss1,(MCS0)_1TX	23.13	0.20559
802.11n HT40_Nss1,(MCS0)_1TX	14.95	0.03126

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.55	18.90	18.90	30.00
2437MHz_TnomVnom	Pass	2.55	17.05	17.05	30.00
2462MHz_TnomVnom	Pass	2.55	17.56	17.56	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.55	16.09	16.09	30.00
2417MHz_TnomVnom	Pass	2.55	18.47	18.47	30.00
2437MHz_TnomVnom	Pass	2.55	23.87	23.87	30.00
2457MHz_TnomVnom	Pass	2.55	20.35	20.35	30.00
2462MHz_TnomVnom	Pass	2.55	17.82	17.82	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.55	13.93	13.93	30.00
2417MHz_TnomVnom	Pass	2.55	17.82	17.82	30.00
2437MHz_TnomVnom	Pass	2.55	23.13	23.13	30.00
2457MHz_TnomVnom	Pass	2.55	19.36	19.36	30.00
2462MHz_TnomVnom	Pass	2.55	16.23	16.23	30.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.55	12.19	12.19	30.00
2427MHz_TnomVnom	Pass	2.55	12.64	12.64	30.00
2437MHz_TnomVnom	Pass	2.55	14.95	14.95	30.00
2447MHz_TnomVnom	Pass	2.55	14.67	14.67	30.00
2452MHz_TnomVnom	Pass	2.55	14.01	14.01	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	-4.30
802.11g_Nss1,(6Mbps)_1TX	-1.40
802.11n HT20_Nss1,(MCS0)_1TX	-2.13
802.11n HT40_Nss1,(MCS0)_1TX	-13.01

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.55	-4.30	-4.30	8.00
2437MHz_TnomVnom	Pass	2.55	-6.63	-6.63	8.00
2462MHz_TnomVnom	Pass	2.55	-6.15	-6.15	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.55	-8.17	-8.17	8.00
2437MHz_TnomVnom	Pass	2.55	-1.40	-1.40	8.00
2462MHz_TnomVnom	Pass	2.55	-7.34	-7.34	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.55	-10.02	-10.02	8.00
2437MHz_TnomVnom	Pass	2.55	-2.13	-2.13	8.00
2462MHz_TnomVnom	Pass	2.55	-10.15	-10.15	8.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.55	-16.89	-16.89	8.00
2437MHz_TnomVnom	Pass	2.55	-13.01	-13.01	8.00
2452MHz_TnomVnom	Pass	2.55	-15.07	-15.07	8.00

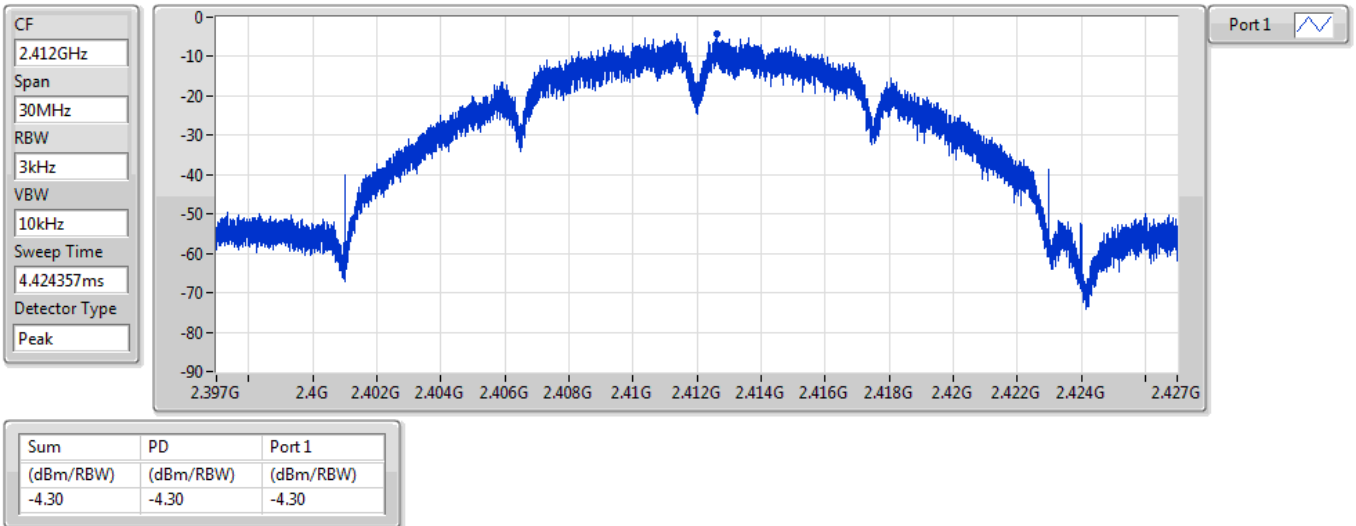
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11b_Nss1,(1Mbps)_1TX

PSD

2412MHz

20/04/2021

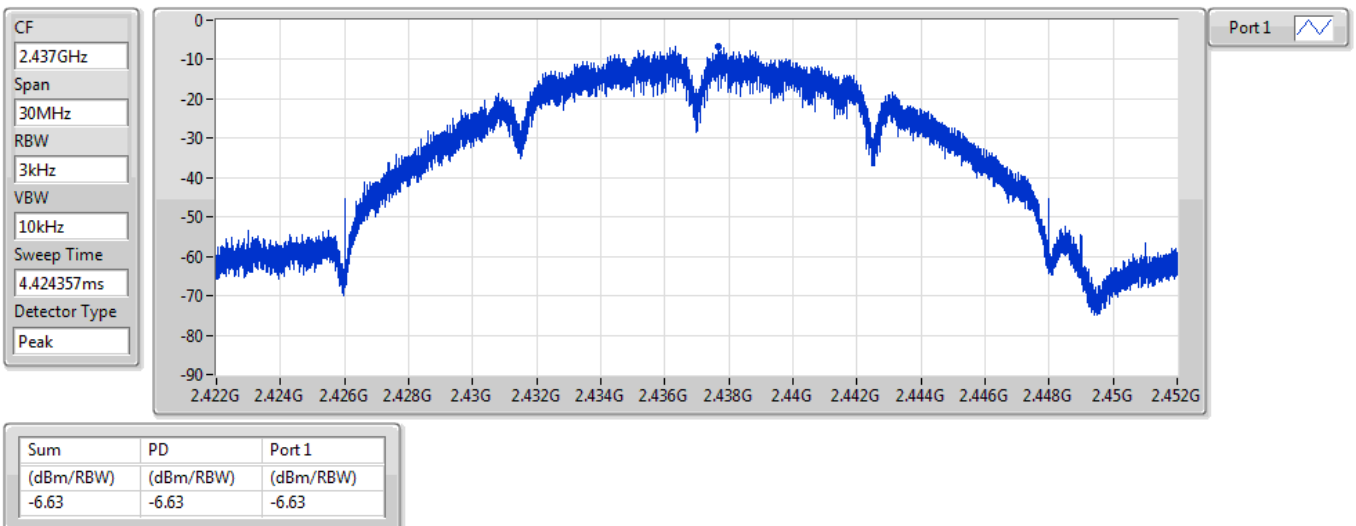


802.11b_Nss1,(1Mbps)_1TX

PSD

2437MHz

20/04/2021

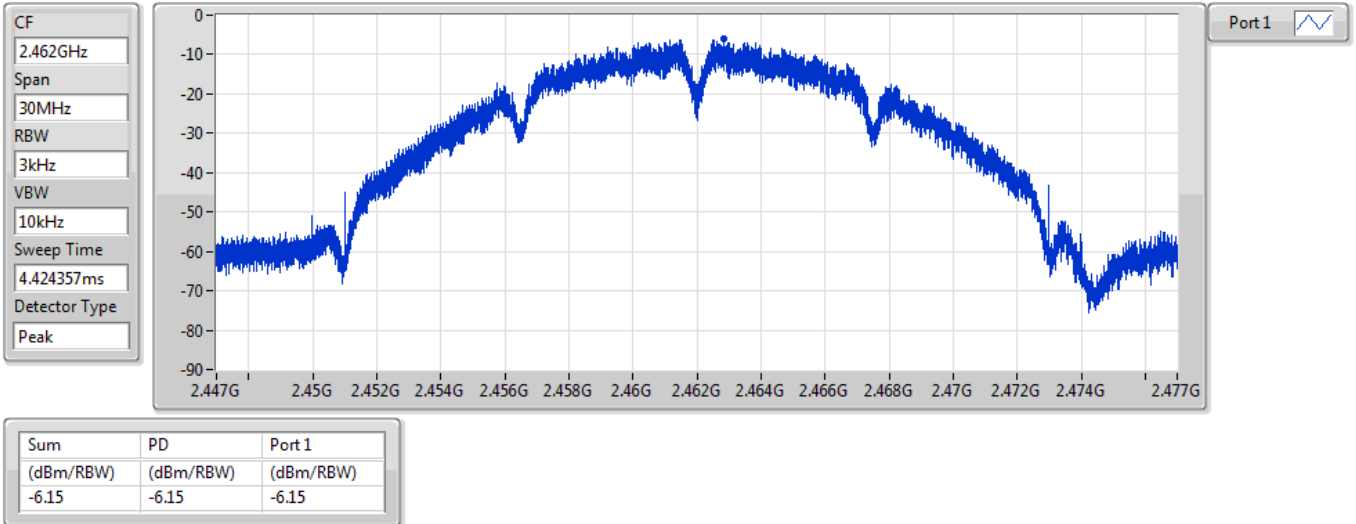


802.11b_Nss1,(1Mbps)_1TX

PSD

2462MHz

20/04/2021

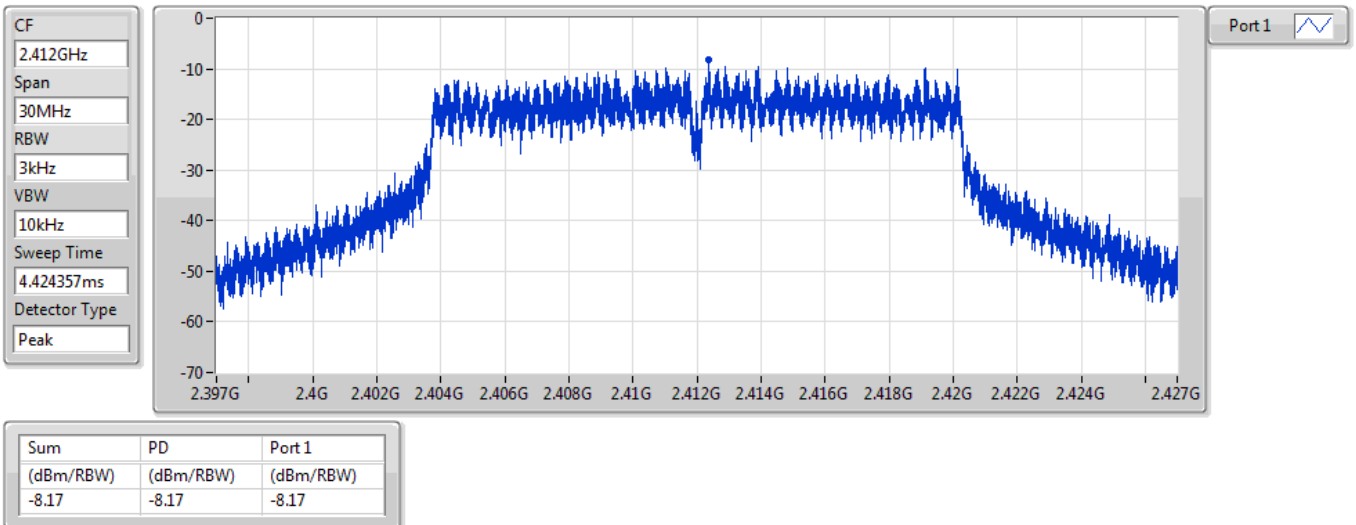


802.11g_Nss1,(6Mbps)_1TX

PSD

2412MHz

20/04/2021

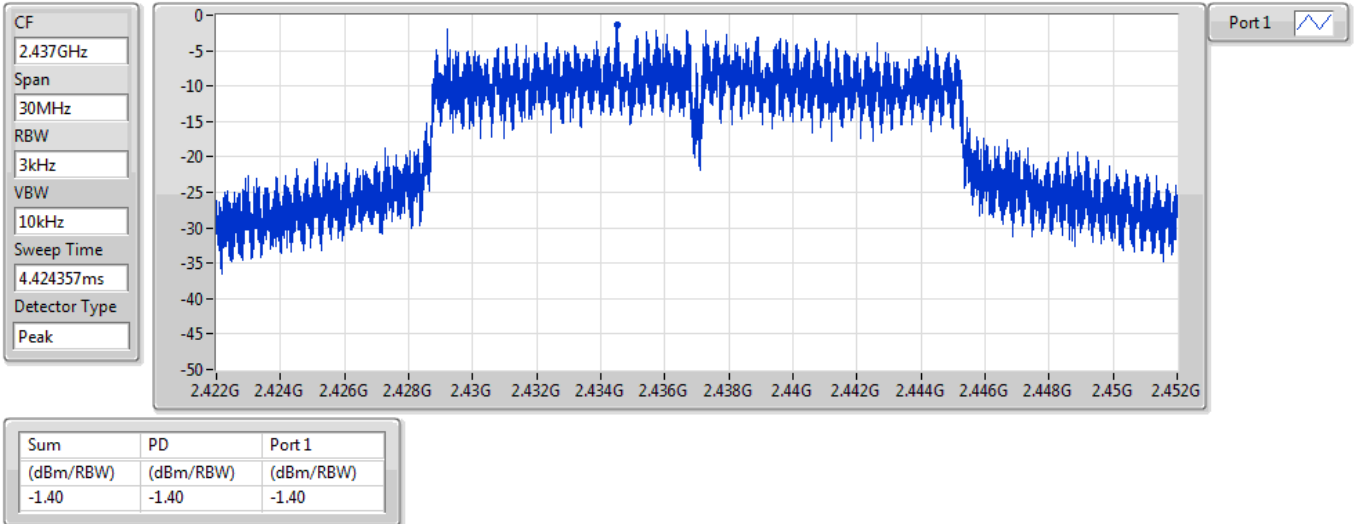


802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

20/04/2021

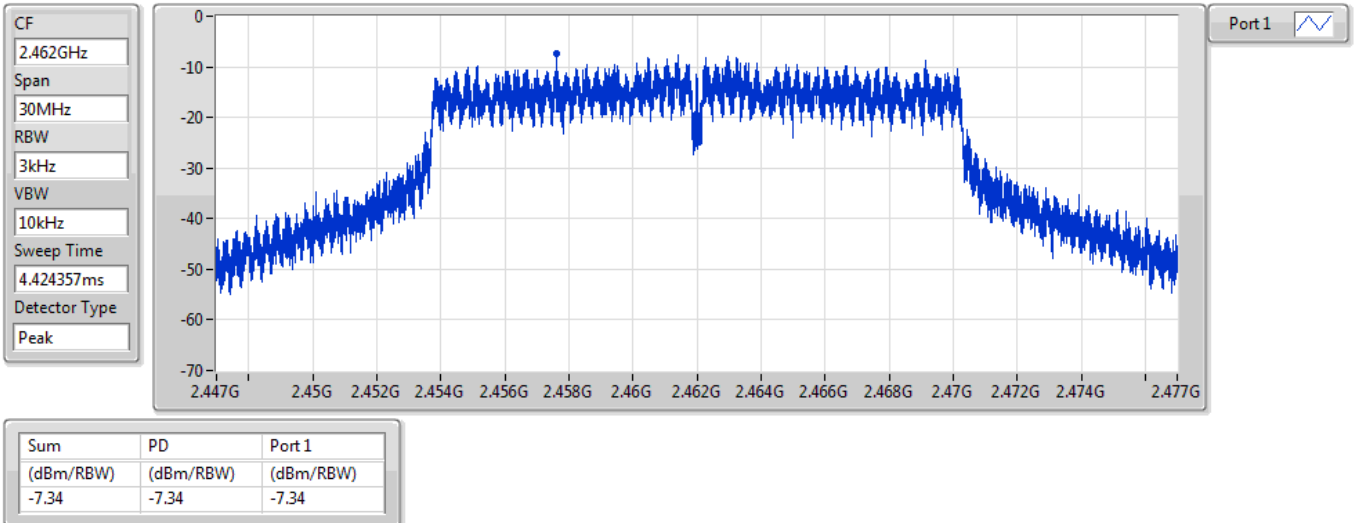


802.11g_Nss1,(6Mbps)_1TX

PSD

2462MHz

20/04/2021

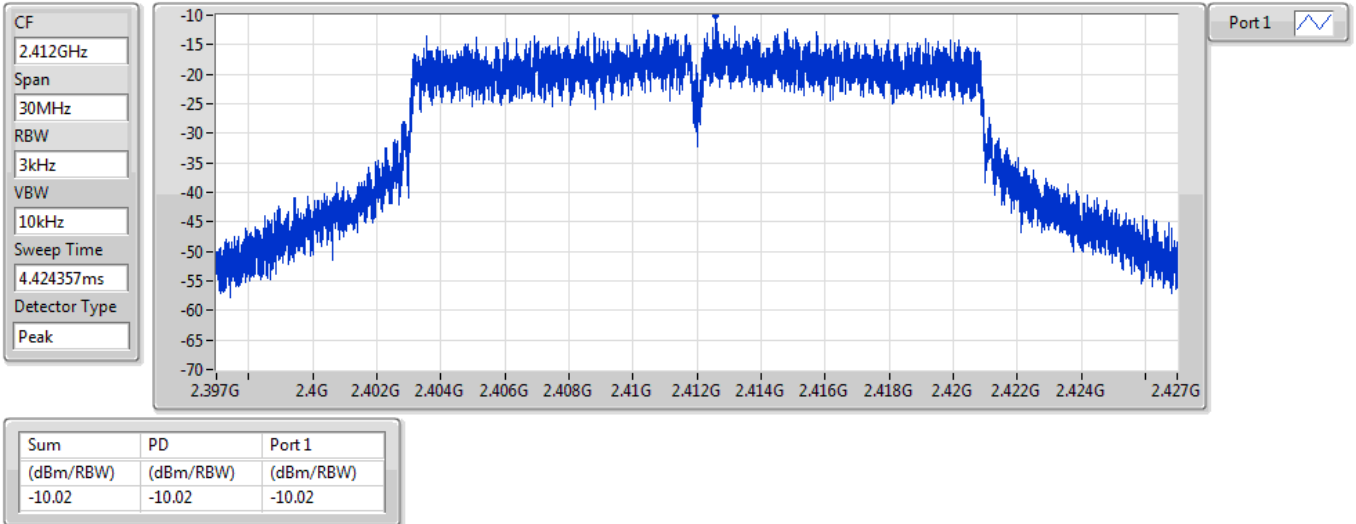


802.11n HT20_Nss1,(MCS0)_1TX

PSD

2412MHz

20/04/2021

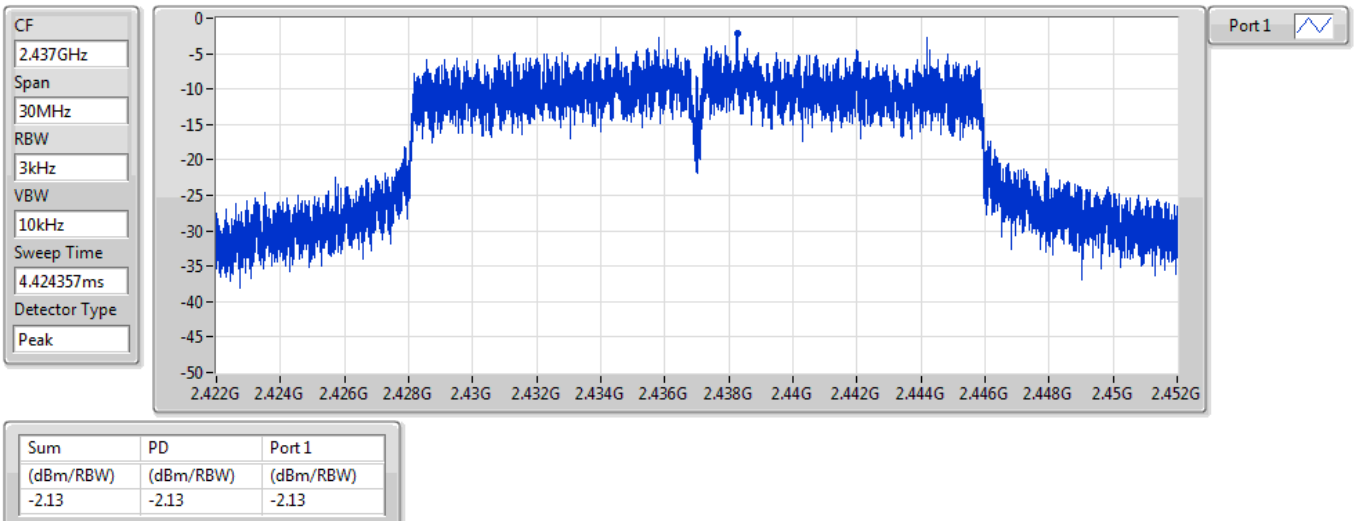


802.11n HT20_Nss1,(MCS0)_1TX

PSD

2437MHz

20/04/2021

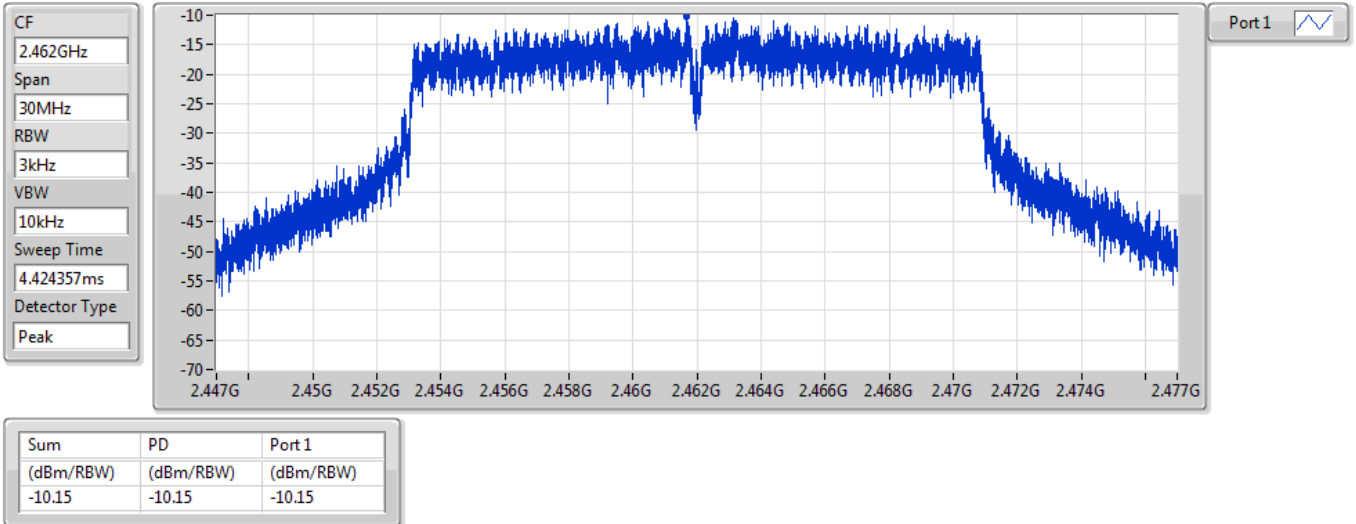


802.11n HT20_Nss1,(MCS0)_1TX

PSD

2462MHz

20/04/2021

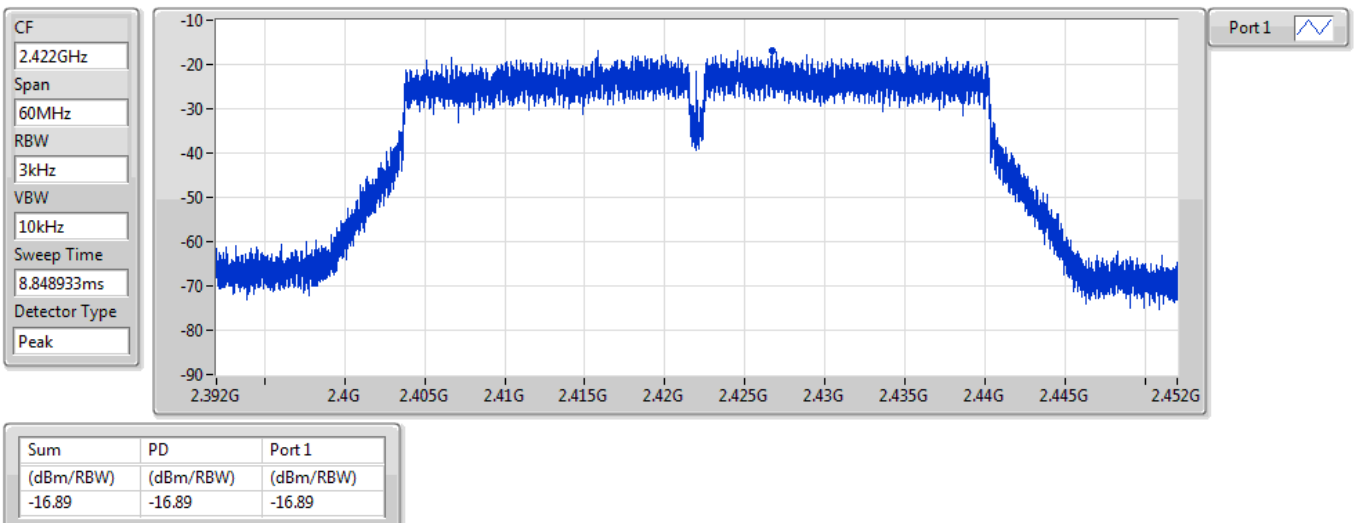


802.11n HT40_Nss1,(MCS0)_1TX

PSD

2422MHz

20/04/2021

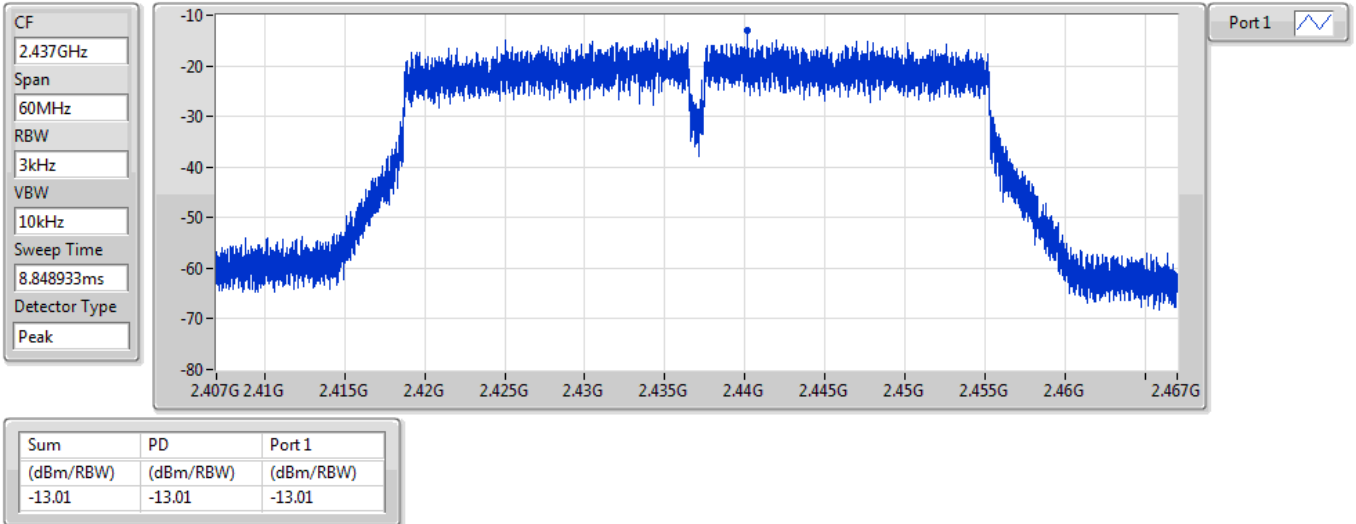


802.11n HT40_Nss1,(MCS0)_1TX

PSD

2437MHz

20/04/2021

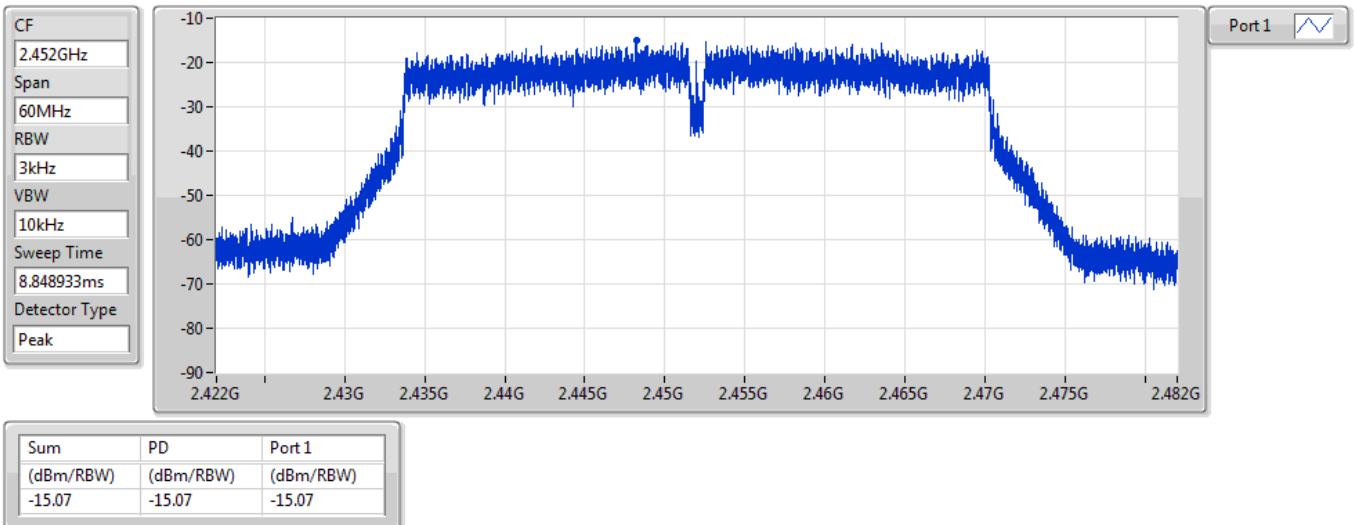


802.11n HT40_Nss1,(MCS0)_1TX

PSD

2452MHz

20/04/2021



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	2.41098G	9.91	-20.09	147.67M	-49.38	2.398G	-33.83	2.4G	-36.35	2.49124G	-51.28	16.92813G	-40.28	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43824G	13.68	-16.32	147.67M	-50.07	2.3995G	-22.28	2.4G	-27.32	2.4976G	-50.13	17.2737G	-40.26	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.43574G	13.20	-16.80	147.67M	-49.73	2.39992G	-23.89	2.4G	-25.28	2.50256G	-50.67	16.26788G	-40.08	1
802.11n HT40_Nss1,(MCS0)_1TX	Pass	2.44075G	1.48	-28.52	147.65M	-49.50	2.39952G	-35.94	2.4G	-43.59	2.50578G	-45.44	24.99159G	-40.91	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_TnomVnom	Pass	2.41098G	9.91	-20.09	147.67M	-49.38	2.398G	-33.83	2.4G	-36.35	2.49124G	-51.28	16.92813G	-40.28	1
2437MHz_TnomVnom	Pass	2.41098G	9.91	-20.09	147.67M	-50.64	2.39546G	-52.44	2.4835G	-54.84	2.52116G	-51.54	24.764G	-39.94	1
2462MHz_TnomVnom	Pass	2.41098G	9.91	-20.09	147.67M	-49.97	2.39968G	-52.53	2.4835G	-52.57	2.48784G	-49.65	16.57412G	-40.36	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.43824G	13.68	-16.32	147.67M	-50.07	2.3995G	-22.28	2.4G	-27.32	2.4976G	-50.13	17.2737G	-40.26	1
2437MHz_TnomVnom	Pass	2.43824G	13.68	-16.32	147.67M	-49.15	2.39636G	-38.26	2.4G	-39.26	2.48576G	-38.63	24.65161G	-40.61	1
2462MHz_TnomVnom	Pass	2.43824G	13.68	-16.32	147.67M	-49.88	2.39008G	-50.74	2.4835G	-45.84	2.5233G	-37.17	17.65299G	-40.00	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.43574G	13.20	-16.80	147.67M	-49.73	2.39992G	-23.89	2.4G	-25.28	2.50256G	-50.67	16.26788G	-40.08	1
2437MHz_TnomVnom	Pass	2.43574G	13.20	-16.80	147.67M	-49.70	2.3995G	-37.83	2.4G	-39.88	2.4845G	-39.64	17.60242G	-40.25	1
2462MHz_TnomVnom	Pass	2.43574G	13.20	-16.80	147.67M	-48.71	2.395G	-51.82	2.4835G	-48.74	2.48364G	-46.46	16.42802G	-39.76	1
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.44075G	1.48	-28.52	147.65M	-49.06	2.39952G	-40.54	2.4G	-40.89	2.50166G	-50.87	24.31849G	-40.22	1
2437MHz_TnomVnom	Pass	2.44075G	1.48	-28.52	147.65M	-49.50	2.39952G	-35.94	2.4G	-43.59	2.50578G	-45.44	24.99159G	-40.91	1
2452MHz_TnomVnom	Pass	2.44075G	1.48	-28.52	147.65M	-49.79	2.3942G	-51.14	2.4835G	-47.64	2.48946G	-43.03	16.26098G	-39.93	1

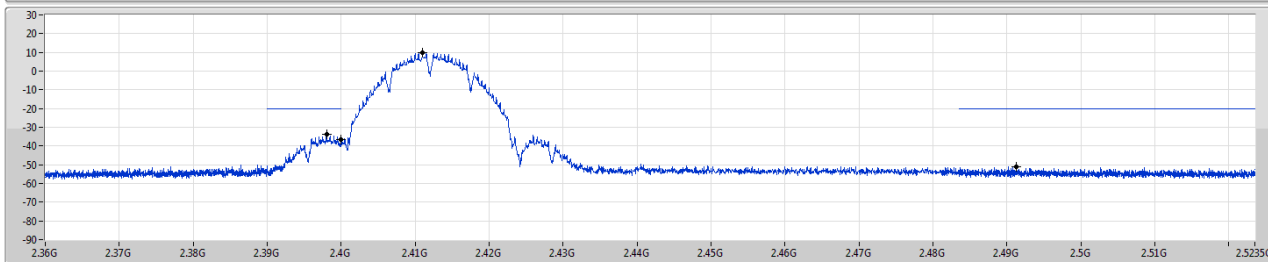
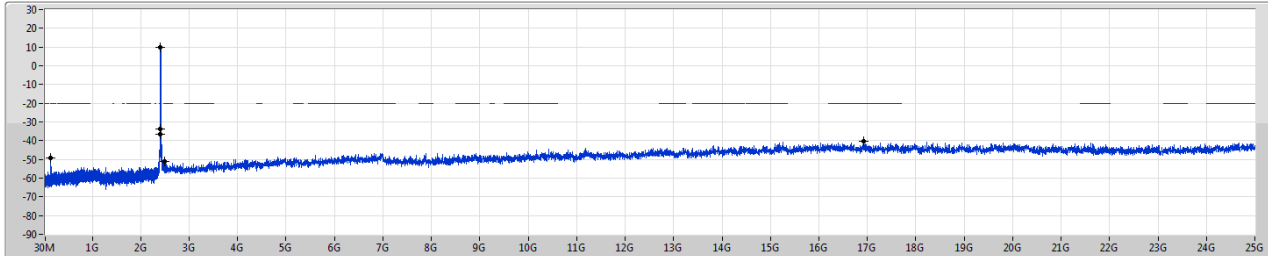
802.11b_Nss1,(1Mbps)_1TX

2412MHz

CSEndB

20/04/2021

Port1



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
2.41098G	9.91	-20.09	147.67M	-49.38	2.398G	-33.83	2.4G	-36.35	2.49124G	-51.28	16.92813G	-40.28	1

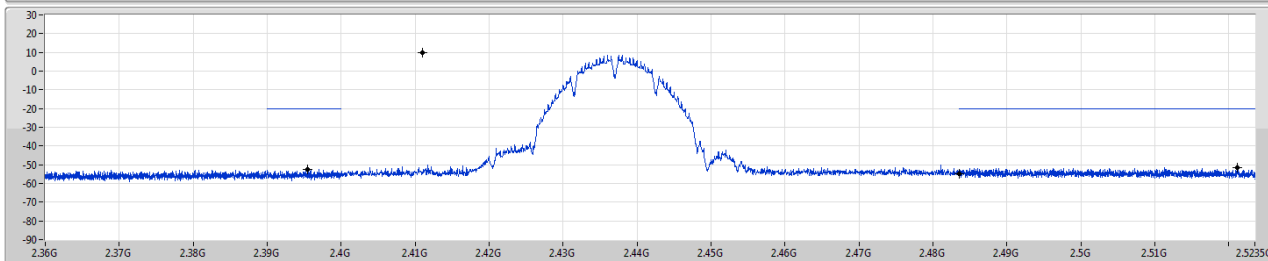
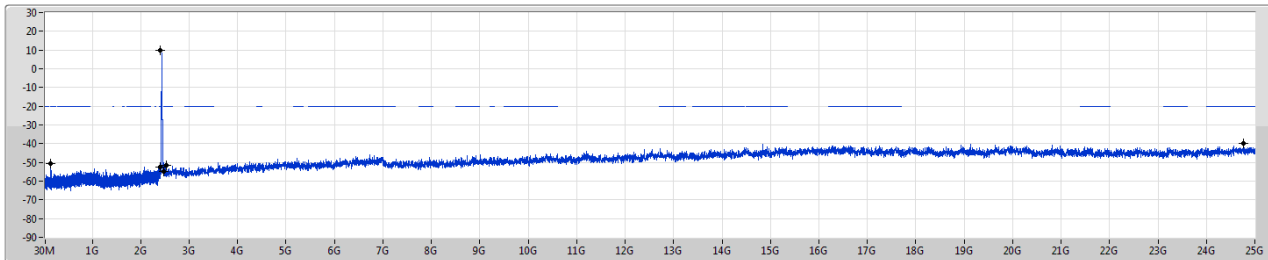
802.11b_Nss1,(1Mbps)_1TX

2437MHz

CSEndB

20/04/2021

Port1



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
2.41098G	9.91	-20.09	147.67M	-50.64	2.39546G	-52.44	2.4835G	-54.84	2.52116G	-51.54	24.764G	-39.94	1

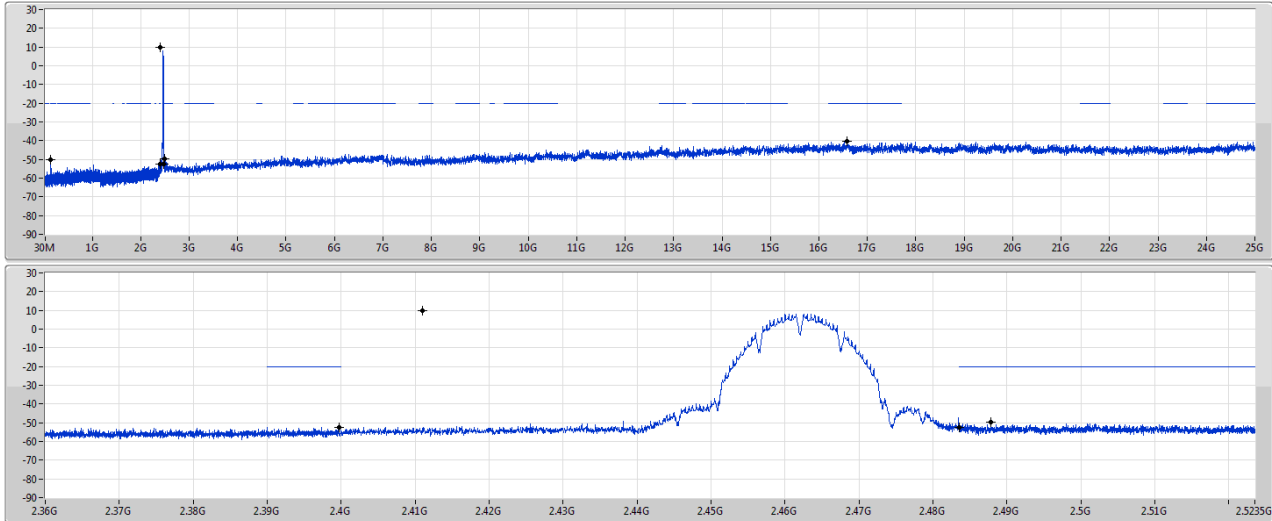
802.11b_Nss1,(1Mbps)_1TX

2462MHz

CSENdB

20/04/2021

Port 1



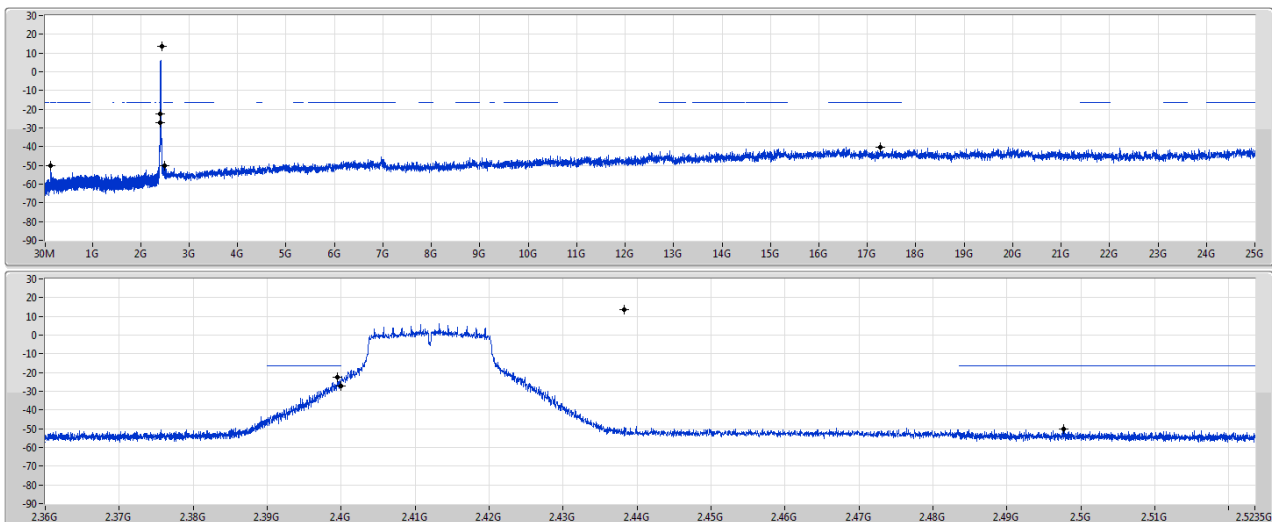
802.11g_Nss1,(6Mbps)_1TX

2412MHz

CSENdB

20/04/2021

Port 1



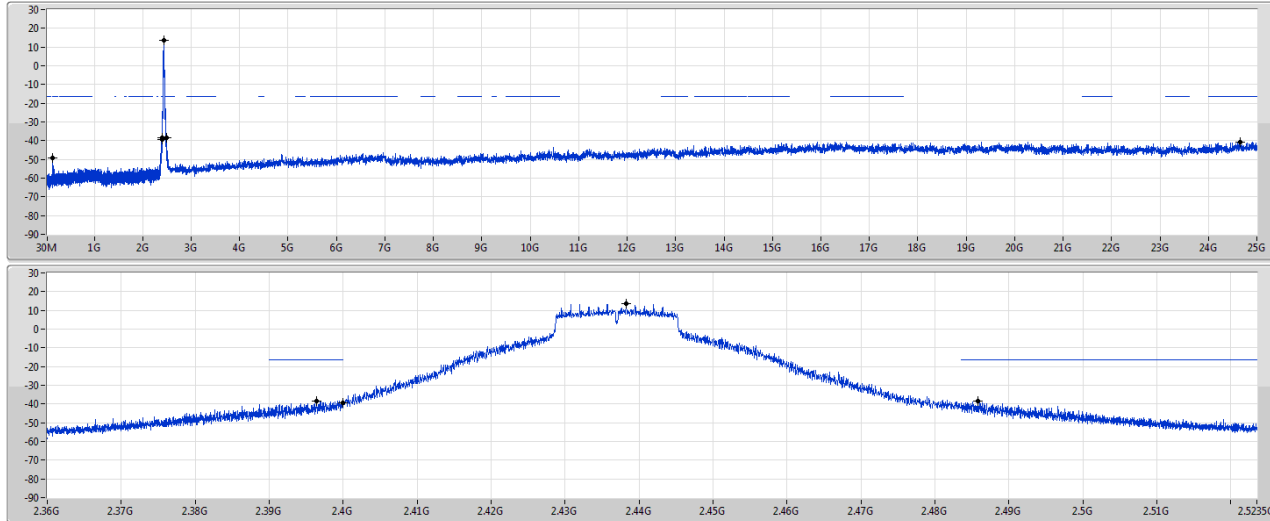
802.11g_Nss1,(6Mbps)_1TX

2437MHz

CSENdB

20/04/2021

Port 1



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
2.43824G	13.68	-16.32	147.67M	-49.15	2.39636G	-38.26	2.4G	-39.26	2.48576G	-38.63	2.45161G	-40.61	1

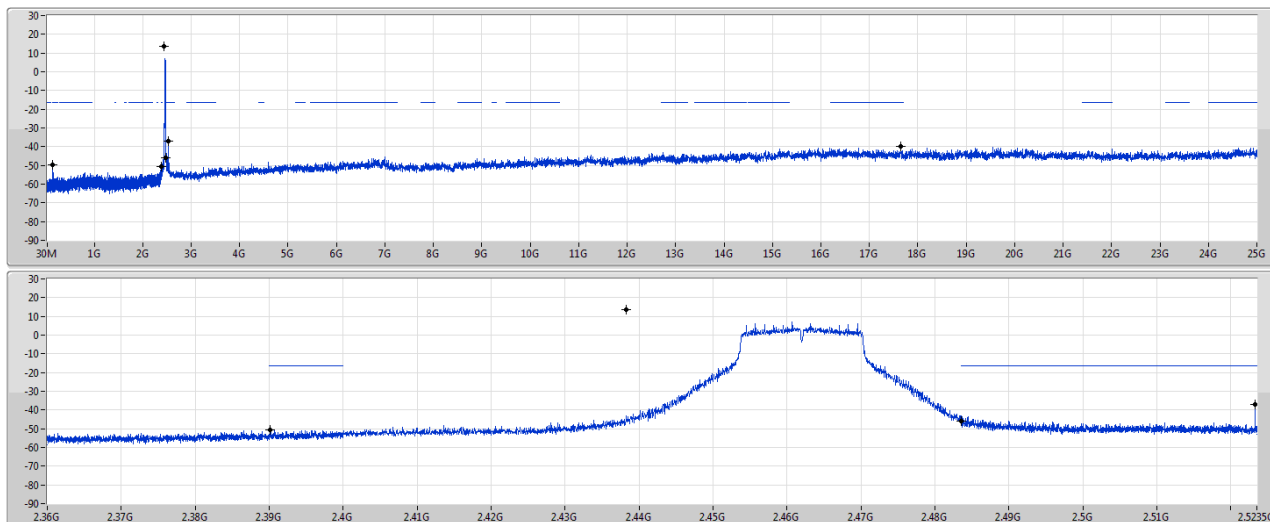
802.11g_Nss1,(6Mbps)_1TX

2462MHz

CSENdB

20/04/2021

Port 1



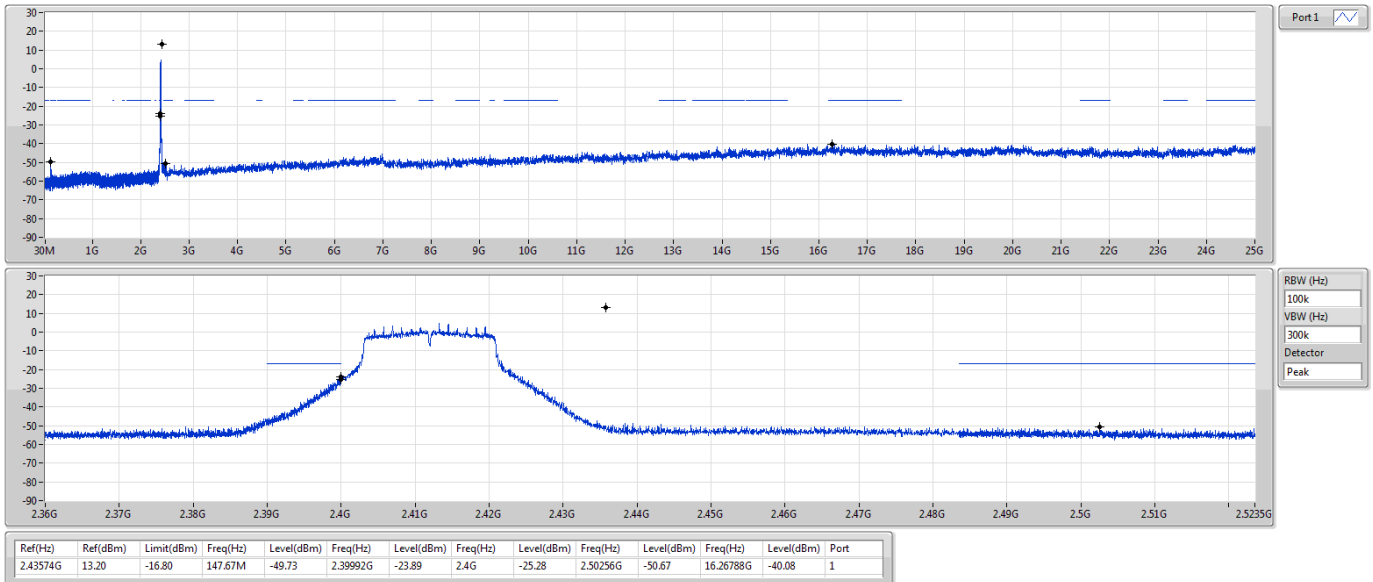
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	13.68	-16.32	147.67M	-49.88	2.39008G	-50.74	2.4835G	-45.84	2.5233G	-37.17	17.65299G	-40.00	1

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz

CSENdB

20/04/2021

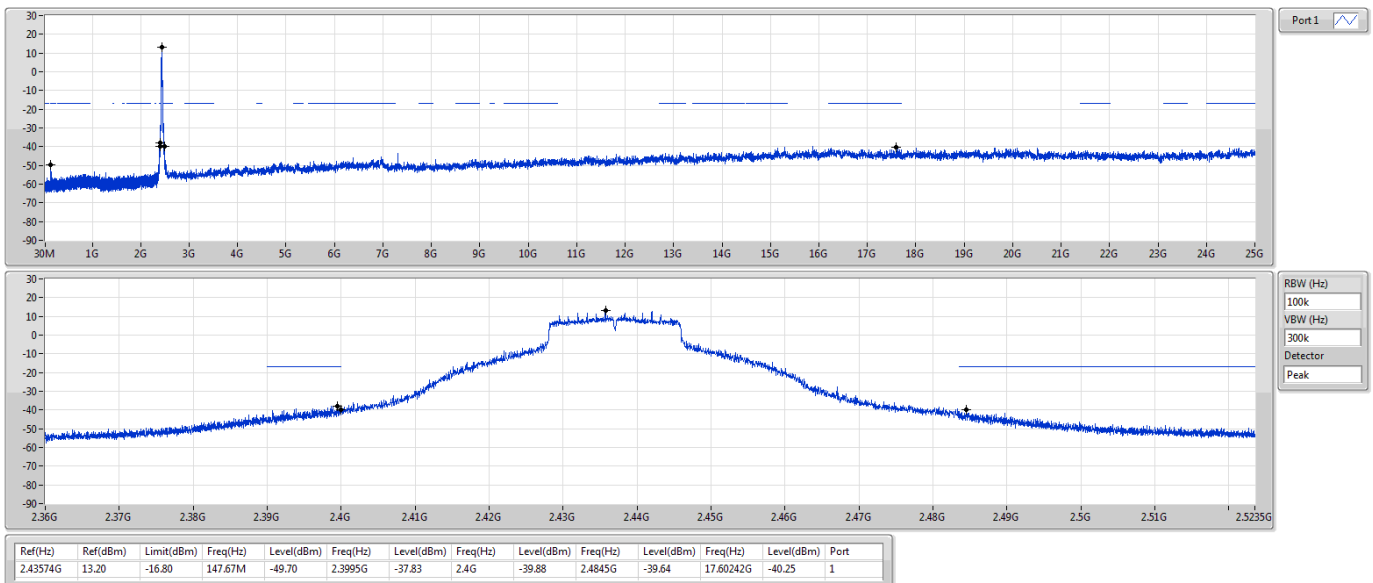


802.11n HT20_Nss1,(MCS0)_1TX

2437MHz

CSENdB

20/04/2021

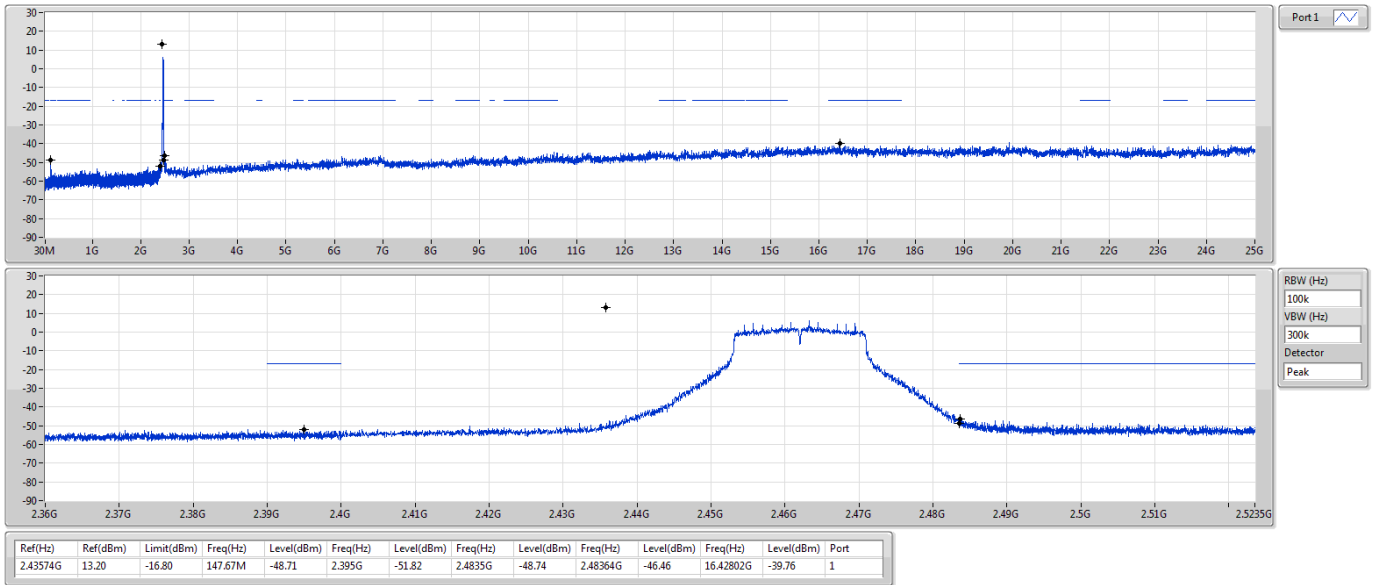


802.11n HT20_Nss1,(MCS0)_1TX

2462MHz

CSENdB

20/04/2021

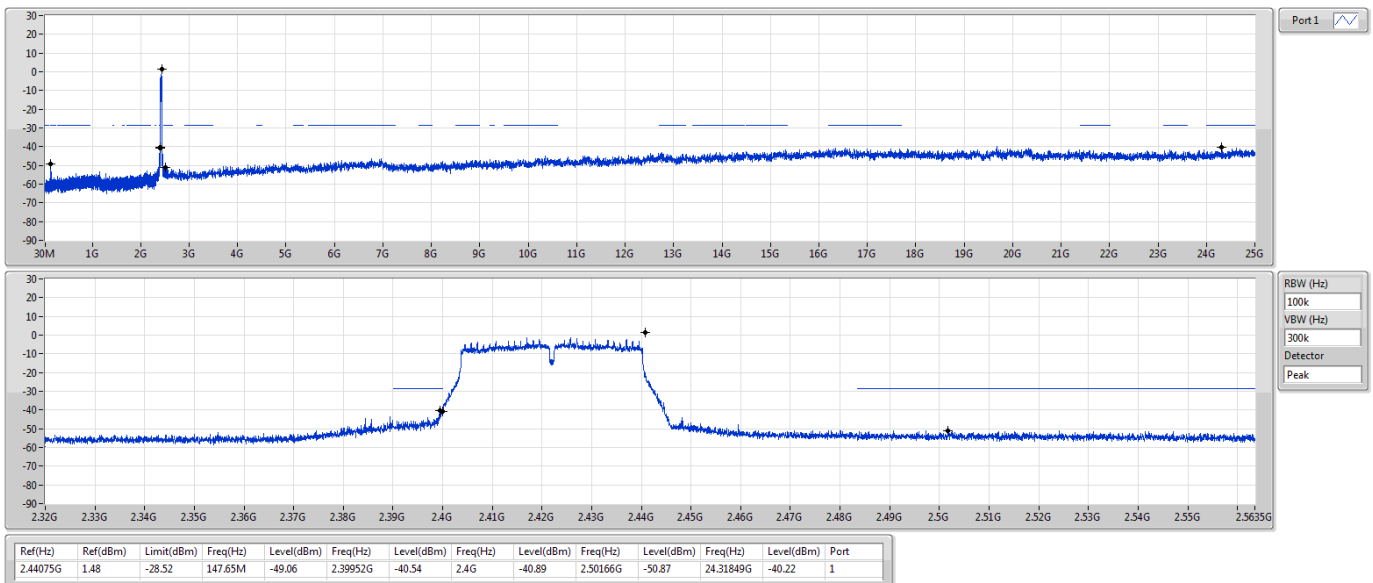


802.11n HT40_Nss1,(MCS0)_1TX

2422MHz

CSENdB

20/04/2021

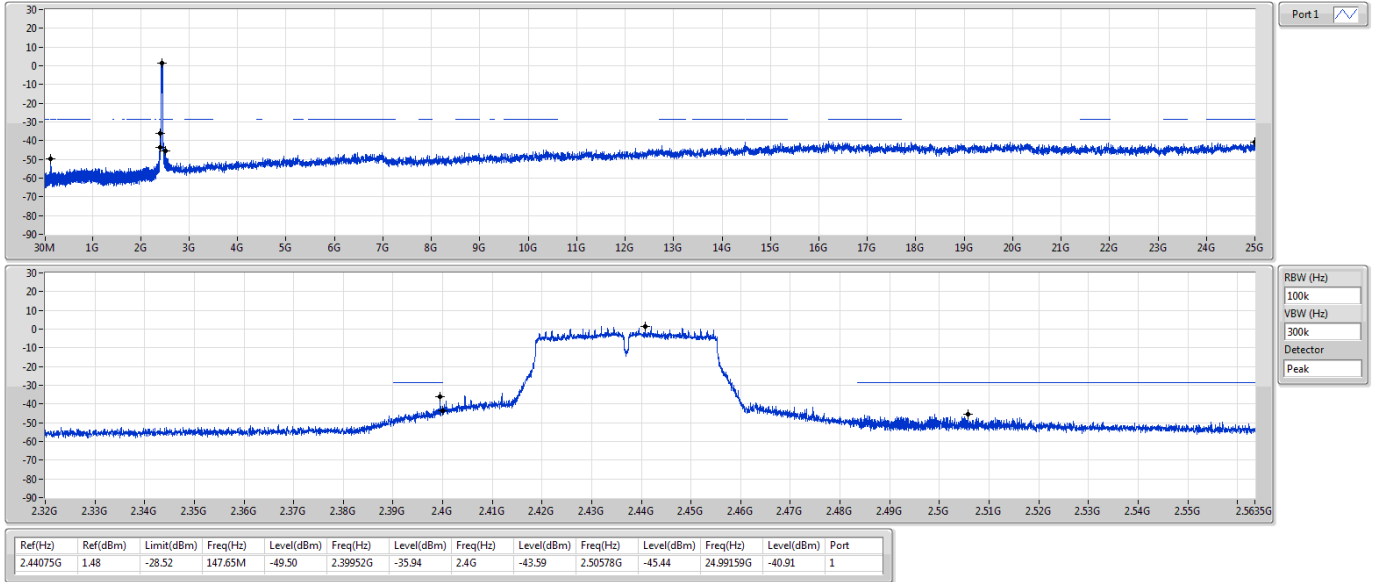


802.11n HT40_Nss1,(MCS0)_1TX

2437MHz

CSEndB

20/04/2021

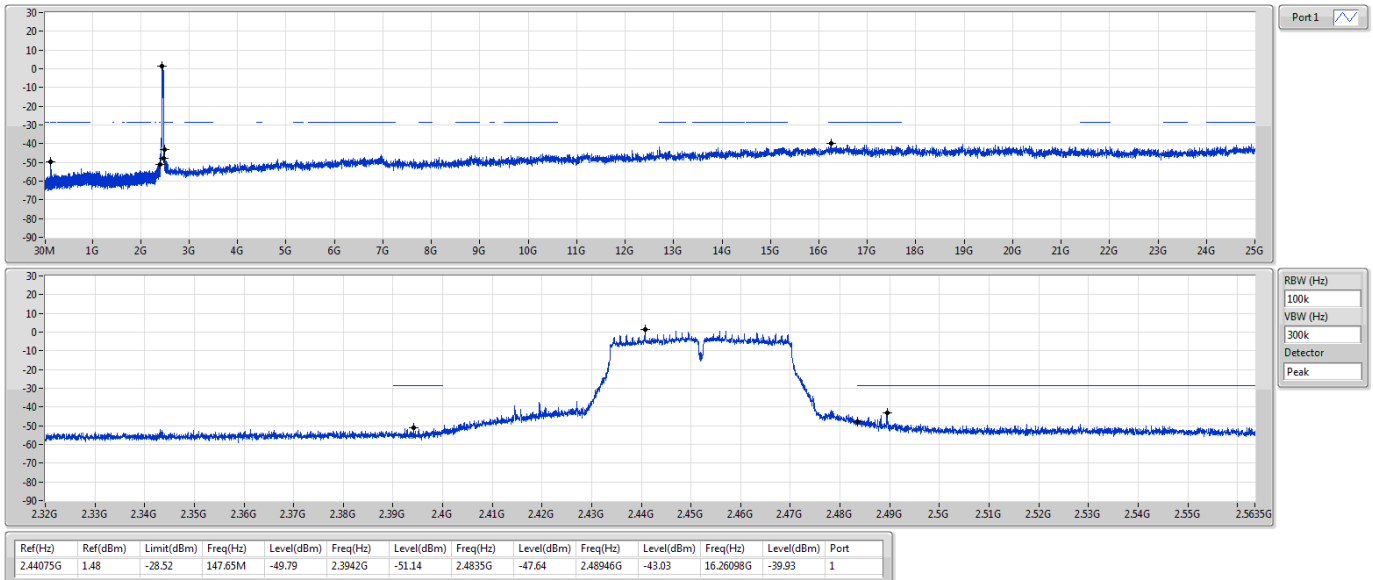


802.11n HT40_Nss1,(MCS0)_1TX

2452MHz

CSEndB

20/04/2021





Summary

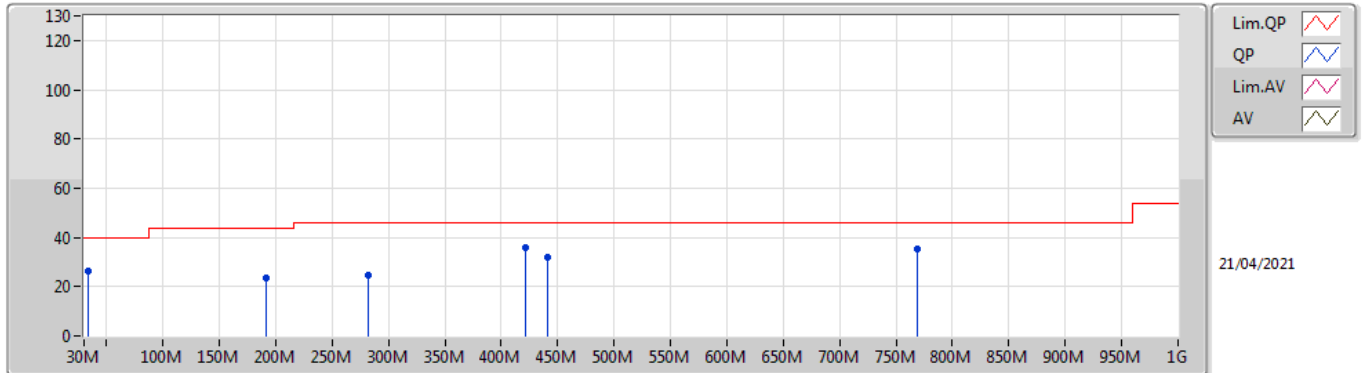
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11n HT40_Nss1,(MCS0)_1TX	Pass	PK	421.88M	35.90	46.00	-10.10	3	Vertical	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1.(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	33.88M	26.27	40.00	-13.73	3	Vertical	0	1.00	-
2437MHz	Pass	PK	191.02M	23.62	43.50	-19.88	3	Vertical	0	1.00	-
2437MHz	Pass	PK	282.2M	24.51	46.00	-21.49	3	Vertical	0	1.00	-
2437MHz	Pass	PK	421.88M	35.90	46.00	-10.10	3	Vertical	0	1.00	-
2437MHz	Pass	PK	441.28M	32.14	46.00	-13.86	3	Vertical	0	1.00	-
2437MHz	Pass	PK	769.14M	35.14	46.00	-10.86	3	Vertical	0	1.00	-
2437MHz	Pass	PK	30M	27.62	40.00	-12.38	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	191.02M	28.24	43.50	-15.26	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	253.1M	24.69	46.00	-21.31	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	421.88M	30.57	46.00	-15.43	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	549.92M	32.09	46.00	-13.91	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	870.02M	35.27	46.00	-10.73	3	Horizontal	360	1.00	-

802.11n HT40_Nss1,(MCS0)_1TX

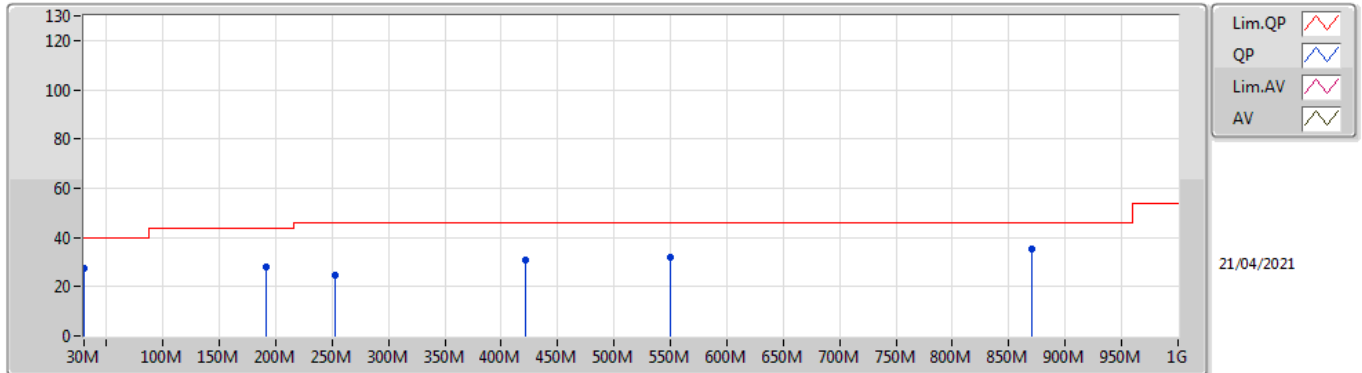
2437MHz_Test Fixture



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	33.88M	26.27	40.00	-13.73	-5.32	3	Vertical	0	1.00	-	31.59	21.33	0.97	27.62
PK	191.02M	23.62	43.50	-19.88	-10.35	3	Vertical	0	1.00	-	33.97	14.41	2.33	27.09
PK	282.2M	24.51	46.00	-21.49	-5.78	3	Vertical	0	1.00	-	30.29	18.16	2.83	26.77
PK	421.88M	35.90	46.00	-10.10	-2.10	3	Vertical	0	1.00	-	38.00	21.82	3.55	27.47
PK	441.28M	32.14	46.00	-13.86	-1.98	3	Vertical	0	1.00	-	34.12	22.04	3.64	27.66
PK	769.14M	35.14	46.00	-10.86	2.59	3	Vertical	0	1.00	-	32.55	25.61	4.93	27.95

802.11n HT40_Nss1,(MCS0)_1TX

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	27.62	40.00	-12.38	-3.23	3	Horizontal	360	1.00	-	30.85	23.51	0.90	27.64
PK	191.02M	28.24	43.50	-15.26	-10.35	3	Horizontal	360	1.00	-	38.59	14.41	2.33	27.09
PK	253.1M	24.69	46.00	-21.31	-5.91	3	Horizontal	360	1.00	-	30.60	18.12	2.69	26.72
PK	421.88M	30.57	46.00	-15.43	-2.10	3	Horizontal	360	1.00	-	32.67	21.82	3.55	27.47
PK	549.92M	32.09	46.00	-13.91	0.41	3	Horizontal	360	1.00	-	31.68	24.47	4.08	28.14
PK	870.02M	35.27	46.00	-10.73	3.49	3	Horizontal	360	1.00	-	31.78	25.94	5.22	27.67

**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	4.82398G	51.83	54.00	-2.17	3	Vertical	339	1.15	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.39G	52.00	54.00	-2.00	3	Horizontal	320	1.06	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	2.39G	51.88	54.00	-2.12	3	Horizontal	324	1.28	-
802.11n HT40_Nss1,(MCS0)_1TX	Pass	AV	2.3894G	51.88	54.00	-2.12	3	Horizontal	311	1.29	-

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	47.10	54.00	-6.90	3	Vertical	329	1.38	-
2412MHz	Pass	AV	2.4128G	95.80	Inf	-Inf	3	Vertical	329	1.38	-
2412MHz	Pass	PK	2.3726G	59.04	74.00	-14.96	3	Vertical	329	1.38	-
2412MHz	Pass	PK	2.4128G	98.30	Inf	-Inf	3	Vertical	329	1.38	-
2412MHz	Pass	AV	2.386G	47.92	54.00	-6.08	3	Horizontal	318	1.14	-
2412MHz	Pass	AV	2.4112G	104.25	Inf	-Inf	3	Horizontal	318	1.14	-
2412MHz	Pass	PK	2.3622G	59.68	74.00	-14.32	3	Horizontal	318	1.14	-
2412MHz	Pass	PK	2.411G	106.70	Inf	-Inf	3	Horizontal	318	1.14	-
2412MHz	Pass	AV	4.82398G	51.83	54.00	-2.17	3	Vertical	339	1.15	-
2412MHz	Pass	PK	4.82404G	55.39	74.00	-18.61	3	Vertical	339	1.15	-
2412MHz	Pass	AV	4.824G	50.70	54.00	-3.30	3	Horizontal	334	1.44	-
2412MHz	Pass	PK	4.82396G	54.05	74.00	-19.95	3	Horizontal	334	1.44	-
2437MHz	Pass	AV	2.337G	47.27	54.00	-6.73	3	Vertical	161	1.22	-
2437MHz	Pass	AV	2.4362G	93.60	Inf	-Inf	3	Vertical	161	1.22	-
2437MHz	Pass	AV	2.4978G	47.96	54.00	-6.04	3	Vertical	161	1.22	-
2437MHz	Pass	PK	2.3606G	58.96	74.00	-15.04	3	Vertical	161	1.22	-
2437MHz	Pass	PK	2.4378G	96.13	Inf	-Inf	3	Vertical	161	1.22	-
2437MHz	Pass	PK	2.4902G	59.93	74.00	-14.07	3	Vertical	161	1.22	-
2437MHz	Pass	AV	2.3882G	47.38	54.00	-6.62	3	Horizontal	318	1.00	-
2437MHz	Pass	AV	2.4362G	102.10	Inf	-Inf	3	Horizontal	318	1.00	-
2437MHz	Pass	AV	2.4978G	47.96	54.00	-6.04	3	Horizontal	318	1.00	-
2437MHz	Pass	PK	2.3846G	59.41	74.00	-14.59	3	Horizontal	318	1.00	-
2437MHz	Pass	PK	2.4362G	104.53	Inf	-Inf	3	Horizontal	318	1.00	-
2437MHz	Pass	PK	2.4898G	59.93	74.00	-14.07	3	Horizontal	318	1.00	-
2437MHz	Pass	AV	4.874G	51.54	54.00	-2.46	3	Vertical	317	1.02	-
2437MHz	Pass	PK	4.874G	54.96	74.00	-19.04	3	Vertical	317	1.02	-
2437MHz	Pass	AV	4.87396G	50.49	54.00	-3.51	3	Horizontal	39	1.89	-
2437MHz	Pass	PK	4.87402G	54.04	74.00	-19.96	3	Horizontal	39	1.89	-
2462MHz	Pass	AV	2.4612G	92.95	Inf	-Inf	3	Vertical	309	2.10	-
2462MHz	Pass	AV	2.4976G	47.96	54.00	-6.04	3	Vertical	309	2.10	-
2462MHz	Pass	PK	2.461G	95.52	Inf	-Inf	3	Vertical	309	2.10	-
2462MHz	Pass	PK	2.4952G	60.17	74.00	-13.83	3	Vertical	309	2.10	-
2462MHz	Pass	AV	2.4628G	101.85	Inf	-Inf	3	Horizontal	318	1.20	-
2462MHz	Pass	AV	2.4976G	47.96	54.00	-6.04	3	Horizontal	318	1.20	-
2462MHz	Pass	PK	2.463G	104.35	Inf	-Inf	3	Horizontal	318	1.20	-
2462MHz	Pass	PK	2.4982G	60.82	74.00	-13.18	3	Horizontal	318	1.20	-
2462MHz	Pass	AV	4.92398G	51.43	54.00	-2.57	3	Vertical	319	1.04	-
2462MHz	Pass	PK	4.924G	55.02	74.00	-18.98	3	Vertical	319	1.04	-
2462MHz	Pass	AV	4.92398G	51.75	54.00	-2.25	3	Horizontal	38	1.10	-
2462MHz	Pass	PK	4.924G	55.00	74.00	-19.00	3	Horizontal	38	1.10	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	48.48	54.00	-5.52	3	Vertical	269	1.36	-
2412MHz	Pass	AV	2.411G	90.46	Inf	-Inf	3	Vertical	269	1.36	-
2412MHz	Pass	PK	2.3894G	60.35	74.00	-13.65	3	Vertical	269	1.36	-
2412MHz	Pass	PK	2.4112G	100.32	Inf	-Inf	3	Vertical	269	1.36	-
2412MHz	Pass	AV	2.39G	52.00	54.00	-2.00	3	Horizontal	320	1.06	-
2412MHz	Pass	AV	2.4128G	97.55	Inf	-Inf	3	Horizontal	320	1.06	-
2412MHz	Pass	PK	2.3894G	66.87	74.00	-7.13	3	Horizontal	320	1.06	-
2412MHz	Pass	PK	2.4112G	107.01	Inf	-Inf	3	Horizontal	320	1.06	-
2412MHz	Pass	AV	4.82388G	36.20	54.00	-17.80	3	Vertical	311	1.20	-
2412MHz	Pass	PK	4.82466G	49.32	74.00	-24.68	3	Vertical	311	1.20	-
2412MHz	Pass	AV	4.82718G	36.73	54.00	-17.27	3	Horizontal	337	2.00	-
2412MHz	Pass	PK	4.82448G	51.35	74.00	-22.65	3	Horizontal	337	2.00	-
2417MHz	Pass	AV	2.39G	47.91	54.00	-6.09	3	Vertical	144	1.14	-
2417MHz	Pass	AV	2.418G	92.00	Inf	-Inf	3	Vertical	144	1.14	-
2417MHz	Pass	PK	2.389G	60.57	74.00	-13.43	3	Vertical	144	1.14	-
2417MHz	Pass	PK	2.4186G	101.21	Inf	-Inf	3	Vertical	144	1.14	-
2417MHz	Pass	AV	2.3898G	51.33	54.00	-2.67	3	Horizontal	323	1.26	-
2417MHz	Pass	AV	2.4182G	101.08	Inf	-Inf	3	Horizontal	323	1.26	-
2417MHz	Pass	PK	2.3898G	65.93	74.00	-8.07	3	Horizontal	323	1.26	-

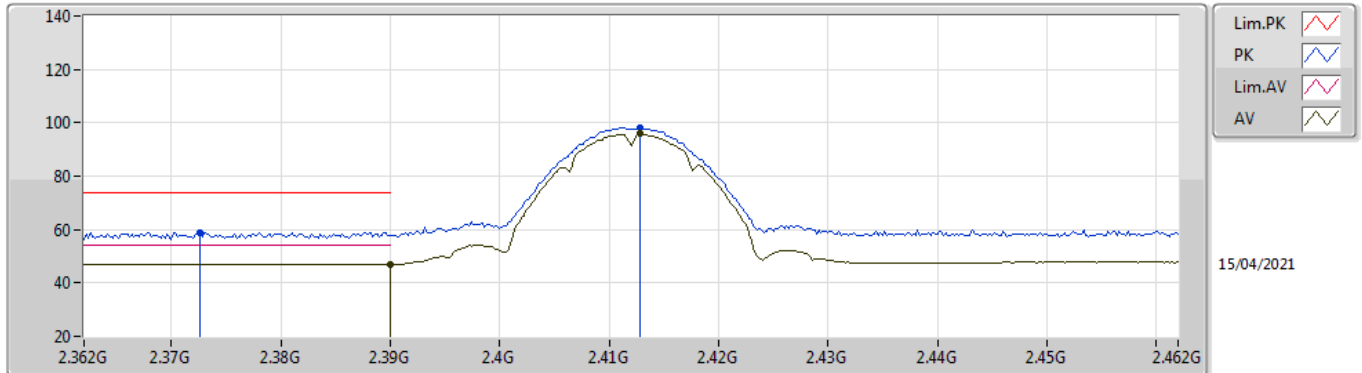
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2417MHz	Pass	PK	2.416G	110.70	Inf	-Inf	3	Horizontal	323	1.26	-
2437MHz	Pass	AV	2.3898G	47.39	54.00	-6.61	3	Vertical	3	1.53	-
2437MHz	Pass	AV	2.4362G	96.51	Inf	-Inf	3	Vertical	3	1.53	-
2437MHz	Pass	AV	2.4878G	48.22	54.00	-5.78	3	Vertical	3	1.53	-
2437MHz	Pass	PK	2.3794G	59.49	74.00	-14.51	3	Vertical	3	1.53	-
2437MHz	Pass	PK	2.4358G	105.78	Inf	-Inf	3	Vertical	3	1.53	-
2437MHz	Pass	PK	2.4898G	59.62	74.00	-14.38	3	Vertical	3	1.53	-
2437MHz	Pass	AV	2.3898G	51.10	54.00	-2.90	3	Horizontal	317	1.00	-
2437MHz	Pass	AV	2.4358G	105.61	Inf	-Inf	3	Horizontal	317	1.00	-
2437MHz	Pass	AV	2.4835G	50.01	54.00	-3.99	3	Horizontal	317	1.00	-
2437MHz	Pass	PK	2.389G	66.49	74.00	-7.51	3	Horizontal	317	1.00	-
2437MHz	Pass	PK	2.4362G	114.91	Inf	-Inf	3	Horizontal	317	1.00	-
2437MHz	Pass	PK	2.4838G	63.27	74.00	-10.73	3	Horizontal	317	1.00	-
2437MHz	Pass	AV	4.87322G	43.90	54.00	-10.10	3	Vertical	339	1.04	-
2437MHz	Pass	PK	4.8743G	57.69	74.00	-16.31	3	Vertical	339	1.04	-
2437MHz	Pass	AV	4.87502G	43.34	54.00	-10.66	3	Horizontal	52	2.00	-
2437MHz	Pass	PK	4.87814G	55.93	74.00	-18.07	3	Horizontal	52	2.00	-
2457MHz	Pass	AV	2.456G	91.81	Inf	-Inf	3	Vertical	158	1.61	-
2457MHz	Pass	AV	2.4835G	48.71	54.00	-5.29	3	Vertical	158	1.61	-
2457MHz	Pass	PK	2.4556G	100.98	Inf	-Inf	3	Vertical	158	1.61	-
2457MHz	Pass	PK	2.4966G	61.11	74.00	-12.89	3	Vertical	158	1.61	-
2457MHz	Pass	AV	2.456G	101.89	Inf	-Inf	3	Horizontal	308	1.08	-
2457MHz	Pass	AV	2.4835G	51.75	54.00	-2.25	3	Horizontal	308	1.08	-
2457MHz	Pass	PK	2.456G	111.81	Inf	-Inf	3	Horizontal	308	1.08	-
2457MHz	Pass	PK	2.4838G	65.33	74.00	-8.67	3	Horizontal	308	1.08	-
2462MHz	Pass	AV	2.4632G	89.66	Inf	-Inf	3	Vertical	348	1.64	-
2462MHz	Pass	AV	2.4835G	48.48	54.00	-5.52	3	Vertical	348	1.64	-
2462MHz	Pass	PK	2.4602G	99.17	Inf	-Inf	3	Vertical	348	1.64	-
2462MHz	Pass	PK	2.4835G	60.34	74.00	-13.66	3	Vertical	348	1.64	-
2462MHz	Pass	AV	2.4612G	98.40	Inf	-Inf	3	Horizontal	317	1.20	-
2462MHz	Pass	AV	2.4835G	51.71	54.00	-2.29	3	Horizontal	317	1.20	-
2462MHz	Pass	PK	2.4608G	107.78	Inf	-Inf	3	Horizontal	317	1.20	-
2462MHz	Pass	PK	2.4842G	65.10	74.00	-8.90	3	Horizontal	317	1.20	-
2462MHz	Pass	AV	4.92424G	38.84	54.00	-15.16	3	Vertical	324	1.03	-
2462MHz	Pass	PK	4.9243G	52.14	74.00	-21.86	3	Vertical	324	1.03	-
2462MHz	Pass	AV	4.92316G	40.58	54.00	-13.42	3	Horizontal	39	1.93	-
2462MHz	Pass	PK	4.92268G	54.58	74.00	-19.42	3	Horizontal	39	1.93	-
802.11n HT20_Nss1(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	48.71	54.00	-5.29	3	Vertical	144	1.42	-
2412MHz	Pass	AV	2.4112G	88.27	Inf	-Inf	3	Vertical	144	1.42	-
2412MHz	Pass	PK	2.3892G	59.69	74.00	-14.31	3	Vertical	144	1.42	-
2412MHz	Pass	PK	2.4108G	98.78	Inf	-Inf	3	Vertical	144	1.42	-
2412MHz	Pass	AV	2.39G	51.88	54.00	-2.12	3	Horizontal	324	1.28	-
2412MHz	Pass	AV	2.4128G	96.94	Inf	-Inf	3	Horizontal	324	1.28	-
2412MHz	Pass	PK	2.39G	64.15	74.00	-9.85	3	Horizontal	324	1.28	-
2412MHz	Pass	PK	2.4132G	107.06	Inf	-Inf	3	Horizontal	324	1.28	-
2412MHz	Pass	AV	4.82382G	36.64	54.00	-17.36	3	Vertical	325	1.27	-
2412MHz	Pass	PK	4.8204G	48.82	74.00	-25.18	3	Vertical	325	1.27	-
2412MHz	Pass	AV	4.83078G	36.72	54.00	-17.28	3	Horizontal	336	2.01	-
2412MHz	Pass	PK	4.83282G	49.05	74.00	-24.95	3	Horizontal	336	2.01	-
2417MHz	Pass	AV	2.3898G	48.45	54.00	-5.55	3	Vertical	142	1.82	-
2417MHz	Pass	AV	2.416G	91.85	Inf	-Inf	3	Vertical	142	1.82	-
2417MHz	Pass	PK	2.3804G	60.20	74.00	-13.80	3	Vertical	142	1.82	-
2417MHz	Pass	PK	2.4158G	101.90	Inf	-Inf	3	Vertical	142	1.82	-
2417MHz	Pass	AV	2.39G	51.33	54.00	-2.67	3	Horizontal	328	1.26	-
2417MHz	Pass	AV	2.416G	100.39	Inf	-Inf	3	Horizontal	328	1.26	-
2417MHz	Pass	PK	2.3894G	65.68	74.00	-8.32	3	Horizontal	328	1.26	-
2417MHz	Pass	PK	2.4184G	111.15	Inf	-Inf	3	Horizontal	328	1.26	-
2437MHz	Pass	AV	2.3898G	48.71	54.00	-5.29	3	Vertical	155	1.40	-
2437MHz	Pass	AV	2.4362G	96.77	Inf	-Inf	3	Vertical	155	1.40	-
2437MHz	Pass	AV	2.4922G	49.01	54.00	-4.99	3	Vertical	155	1.40	-
2437MHz	Pass	PK	2.3766G	60.13	74.00	-13.87	3	Vertical	155	1.40	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	2.4382G	106.97	Inf	-Inf	3	Vertical	155	1.40	-
2437MHz	Pass	PK	2.4866G	61.27	74.00	-12.73	3	Vertical	155	1.40	-
2437MHz	Pass	AV	2.3894G	51.33	54.00	-2.67	3	Horizontal	311	1.09	-
2437MHz	Pass	AV	2.4362G	105.58	Inf	-Inf	3	Horizontal	311	1.09	-
2437MHz	Pass	AV	2.4835G	50.70	54.00	-3.30	3	Horizontal	311	1.09	-
2437MHz	Pass	PK	2.389G	64.80	74.00	-9.20	3	Horizontal	311	1.09	-
2437MHz	Pass	PK	2.4358G	115.13	Inf	-Inf	3	Horizontal	311	1.09	-
2437MHz	Pass	PK	2.4835G	63.50	74.00	-10.50	3	Horizontal	311	1.09	-
2437MHz	Pass	AV	4.87382G	44.70	54.00	-9.30	3	Vertical	341	1.15	-
2437MHz	Pass	PK	4.87532G	56.67	74.00	-17.33	3	Vertical	341	1.15	-
2437MHz	Pass	AV	4.87634G	44.59	54.00	-9.41	3	Horizontal	38	2.05	-
2437MHz	Pass	PK	4.87694G	56.56	74.00	-17.44	3	Horizontal	38	2.05	-
2457MHz	Pass	AV	2.4562G	90.73	Inf	-Inf	3	Vertical	158	1.59	-
2457MHz	Pass	AV	2.489G	49.01	54.00	-4.99	3	Vertical	158	1.59	-
2457MHz	Pass	PK	2.4546G	100.58	Inf	-Inf	3	Vertical	158	1.59	-
2457MHz	Pass	PK	2.4892G	61.48	74.00	-12.52	3	Vertical	158	1.59	-
2457MHz	Pass	AV	2.456G	100.84	Inf	-Inf	3	Horizontal	312	1.10	-
2457MHz	Pass	AV	2.4835G	51.55	54.00	-2.45	3	Horizontal	312	1.10	-
2457MHz	Pass	PK	2.4544G	110.89	Inf	-Inf	3	Horizontal	312	1.10	-
2457MHz	Pass	PK	2.4838G	65.04	74.00	-8.96	3	Horizontal	312	1.10	-
2462MHz	Pass	AV	2.4628G	87.82	Inf	-Inf	3	Vertical	144	1.74	-
2462MHz	Pass	AV	2.5G	49.05	54.00	-4.95	3	Vertical	144	1.74	-
2462MHz	Pass	PK	2.4644G	98.48	Inf	-Inf	3	Vertical	144	1.74	-
2462MHz	Pass	PK	2.489G	60.67	74.00	-13.33	3	Vertical	144	1.74	-
2462MHz	Pass	AV	2.463G	97.12	Inf	-Inf	3	Horizontal	312	1.06	-
2462MHz	Pass	AV	2.4835G	51.14	54.00	-2.86	3	Horizontal	312	1.06	-
2462MHz	Pass	PK	2.463G	107.22	Inf	-Inf	3	Horizontal	312	1.06	-
2462MHz	Pass	PK	2.4836G	63.80	74.00	-10.20	3	Horizontal	312	1.06	-
2462MHz	Pass	AV	4.92412G	38.39	54.00	-15.61	3	Vertical	323	1.18	-
2462MHz	Pass	PK	4.92004G	50.52	74.00	-23.48	3	Vertical	323	1.18	-
2462MHz	Pass	AV	4.92406G	35.66	54.00	-18.34	3	Horizontal	247	2.20	-
2462MHz	Pass	PK	4.91704G	46.80	74.00	-27.20	3	Horizontal	247	2.20	-
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.338G	49.11	54.00	-4.89	3	Vertical	278	2.16	-
2422MHz	Pass	AV	2.4248G	83.21	Inf	-Inf	3	Vertical	278	2.16	-
2422MHz	Pass	AV	2.4908G	49.79	54.00	-4.21	3	Vertical	278	2.16	-
2422MHz	Pass	PK	2.3364G	60.43	74.00	-13.57	3	Vertical	278	2.16	-
2422MHz	Pass	PK	2.4236G	93.05	Inf	-Inf	3	Vertical	278	2.16	-
2422MHz	Pass	PK	2.4936G	60.25	74.00	-13.75	3	Vertical	278	2.16	-
2422MHz	Pass	AV	2.39G	51.34	54.00	-2.66	3	Horizontal	311	1.28	-
2422MHz	Pass	AV	2.4252G	92.23	Inf	-Inf	3	Horizontal	311	1.28	-
2422MHz	Pass	AV	2.4952G	49.81	54.00	-4.19	3	Horizontal	311	1.28	-
2422MHz	Pass	PK	2.3892G	61.84	74.00	-12.16	3	Horizontal	311	1.28	-
2422MHz	Pass	PK	2.426G	102.46	Inf	-Inf	3	Horizontal	311	1.28	-
2422MHz	Pass	PK	2.4948G	61.03	74.00	-12.97	3	Horizontal	311	1.28	-
2422MHz	Pass	AV	4.8565G	35.91	54.00	-18.09	3	Vertical	146	1.28	-
2422MHz	Pass	PK	4.8534G	47.37	74.00	-26.63	3	Vertical	146	1.28	-
2422MHz	Pass	AV	4.8538G	36.46	54.00	-17.54	3	Horizontal	32	2.20	-
2422MHz	Pass	PK	4.8347G	47.26	74.00	-26.74	3	Horizontal	32	2.20	-
2427MHz	Pass	AV	2.3874G	49.18	54.00	-4.82	3	Vertical	141	1.60	-
2427MHz	Pass	AV	2.4294G	83.61	Inf	-Inf	3	Vertical	141	1.60	-
2427MHz	Pass	AV	2.4914G	49.54	54.00	-4.46	3	Vertical	141	1.60	-
2427MHz	Pass	PK	2.3842G	60.06	74.00	-13.94	3	Vertical	141	1.60	-
2427MHz	Pass	PK	2.4298G	93.14	Inf	-Inf	3	Vertical	141	1.60	-
2427MHz	Pass	PK	2.4966G	60.69	74.00	-13.31	3	Vertical	141	1.60	-
2427MHz	Pass	AV	2.3894G	51.88	54.00	-2.12	3	Horizontal	311	1.29	-
2427MHz	Pass	AV	2.4298G	92.67	Inf	-Inf	3	Horizontal	311	1.29	-
2427MHz	Pass	AV	2.4846G	50.01	54.00	-3.99	3	Horizontal	311	1.29	-
2427MHz	Pass	PK	2.389G	61.89	74.00	-12.11	3	Horizontal	311	1.29	-
2427MHz	Pass	PK	2.4282G	102.14	Inf	-Inf	3	Horizontal	311	1.29	-
2427MHz	Pass	PK	2.4878G	60.81	74.00	-13.19	3	Horizontal	311	1.29	-
2437MHz	Pass	AV	2.389G	48.95	54.00	-5.05	3	Vertical	157	1.64	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	AV	2.4342G	85.38	Inf	-Inf	3	Vertical	157	1.64	-
2437MHz	Pass	AV	2.4986G	49.57	54.00	-4.43	3	Vertical	157	1.64	-
2437MHz	Pass	PK	2.369G	60.13	74.00	-13.87	3	Vertical	157	1.64	-
2437MHz	Pass	PK	2.4386G	95.81	Inf	-Inf	3	Vertical	157	1.64	-
2437MHz	Pass	PK	2.4926G	60.17	74.00	-13.83	3	Vertical	157	1.64	-
2437MHz	Pass	AV	2.3898G	51.33	54.00	-2.67	3	Horizontal	312	1.10	-
2437MHz	Pass	AV	2.4346G	94.70	Inf	-Inf	3	Horizontal	312	1.10	-
2437MHz	Pass	AV	2.4835G	50.24	54.00	-3.76	3	Horizontal	312	1.10	-
2437MHz	Pass	PK	2.3894G	63.70	74.00	-10.30	3	Horizontal	312	1.10	-
2437MHz	Pass	PK	2.4274G	104.53	Inf	-Inf	3	Horizontal	312	1.10	-
2437MHz	Pass	PK	2.4846G	60.57	74.00	-13.43	3	Horizontal	312	1.10	-
2437MHz	Pass	AV	4.8935G	36.31	54.00	-17.69	3	Vertical	150	1.70	-
2437MHz	Pass	PK	4.8711G	47.48	74.00	-26.52	3	Vertical	150	1.70	-
2437MHz	Pass	AV	4.8739G	37.25	54.00	-16.75	3	Horizontal	265	2.44	-
2437MHz	Pass	PK	4.8721G	48.11	74.00	-25.89	3	Horizontal	265	2.44	-
2447MHz	Pass	AV	2.347G	48.79	54.00	-5.21	3	Vertical	159	1.66	-
2447MHz	Pass	AV	2.4446G	84.80	Inf	-Inf	3	Vertical	159	1.66	-
2447MHz	Pass	AV	2.4835G	49.76	54.00	-4.24	3	Vertical	159	1.66	-
2447MHz	Pass	PK	2.3726G	59.42	74.00	-14.58	3	Vertical	159	1.66	-
2447MHz	Pass	PK	2.4446G	94.73	Inf	-Inf	3	Vertical	159	1.66	-
2447MHz	Pass	PK	2.495G	61.62	74.00	-12.38	3	Vertical	159	1.66	-
2447MHz	Pass	AV	2.3778G	48.91	54.00	-5.09	3	Horizontal	312	1.23	-
2447MHz	Pass	AV	2.4498G	94.20	Inf	-Inf	3	Horizontal	312	1.23	-
2447MHz	Pass	AV	2.4846G	51.75	54.00	-2.25	3	Horizontal	312	1.23	-
2447MHz	Pass	PK	2.3626G	60.39	74.00	-13.61	3	Horizontal	312	1.23	-
2447MHz	Pass	PK	2.451G	103.99	Inf	-Inf	3	Horizontal	312	1.23	-
2447MHz	Pass	PK	2.4835G	63.14	74.00	-10.86	3	Horizontal	312	1.23	-
2452MHz	Pass	AV	2.372G	48.90	54.00	-5.10	3	Vertical	158	1.66	-
2452MHz	Pass	AV	2.4492G	84.32	Inf	-Inf	3	Vertical	158	1.66	-
2452MHz	Pass	AV	2.484G	49.76	54.00	-4.24	3	Vertical	158	1.66	-
2452MHz	Pass	PK	2.3884G	62.06	74.00	-11.94	3	Vertical	158	1.66	-
2452MHz	Pass	PK	2.4472G	94.16	Inf	-Inf	3	Vertical	158	1.66	-
2452MHz	Pass	PK	2.4876G	60.23	74.00	-13.77	3	Vertical	158	1.66	-
2452MHz	Pass	AV	2.3768G	48.91	54.00	-5.09	3	Horizontal	310	1.05	-
2452MHz	Pass	AV	2.4548G	93.17	Inf	-Inf	3	Horizontal	310	1.05	-
2452MHz	Pass	AV	2.4835G	51.55	54.00	-2.45	3	Horizontal	310	1.05	-
2452MHz	Pass	PK	2.382G	60.20	74.00	-13.80	3	Horizontal	310	1.05	-
2452MHz	Pass	PK	2.4536G	102.66	Inf	-Inf	3	Horizontal	310	1.05	-
2452MHz	Pass	PK	2.4852G	62.44	74.00	-11.56	3	Horizontal	310	1.05	-
2452MHz	Pass	AV	4.8951G	36.98	54.00	-17.02	3	Vertical	327	1.18	-
2452MHz	Pass	PK	4.912G	48.93	74.00	-25.07	3	Vertical	327	1.18	-
2452MHz	Pass	AV	4.9138G	37.31	54.00	-16.69	3	Horizontal	35	1.73	-
2452MHz	Pass	PK	4.9104G	48.41	74.00	-25.59	3	Horizontal	35	1.73	-

802.11b_Nss1,(1Mbps)_1TX

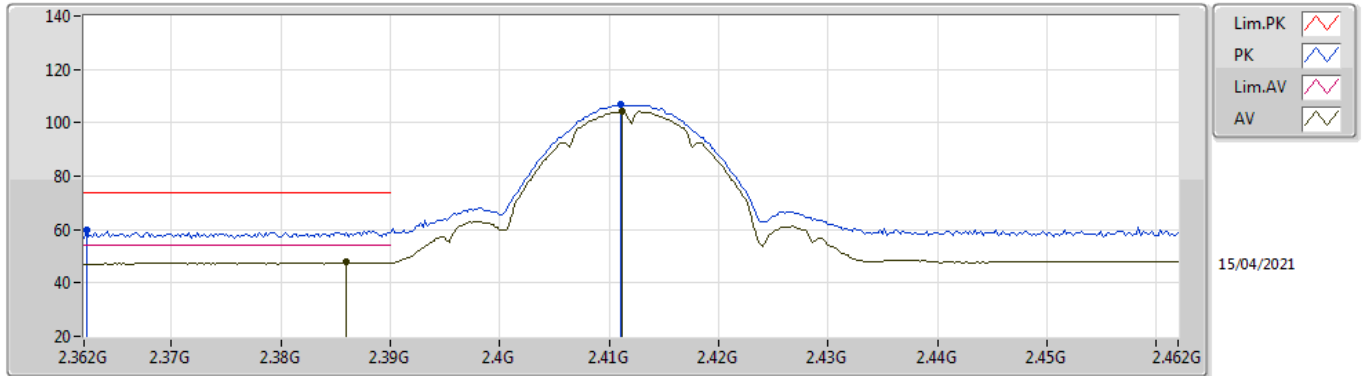
2412MHz_TX



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	47.10	54.00	-6.90	31.93	3	Vertical	329	1.38	-	15.17	27.64	4.29	-
AV	2.4128G	95.80	Inf	-Inf	31.91	3	Vertical	329	1.38	-	63.89	27.60	4.31	-
PK	2.3726G	59.04	74.00	-14.96	31.98	3	Vertical	329	1.38	-	27.06	27.71	4.27	-
PK	2.4128G	98.30	Inf	-Inf	31.91	3	Vertical	329	1.38	-	66.39	27.60	4.31	-

802.11b_Nss1,(1Mbps)_1TX

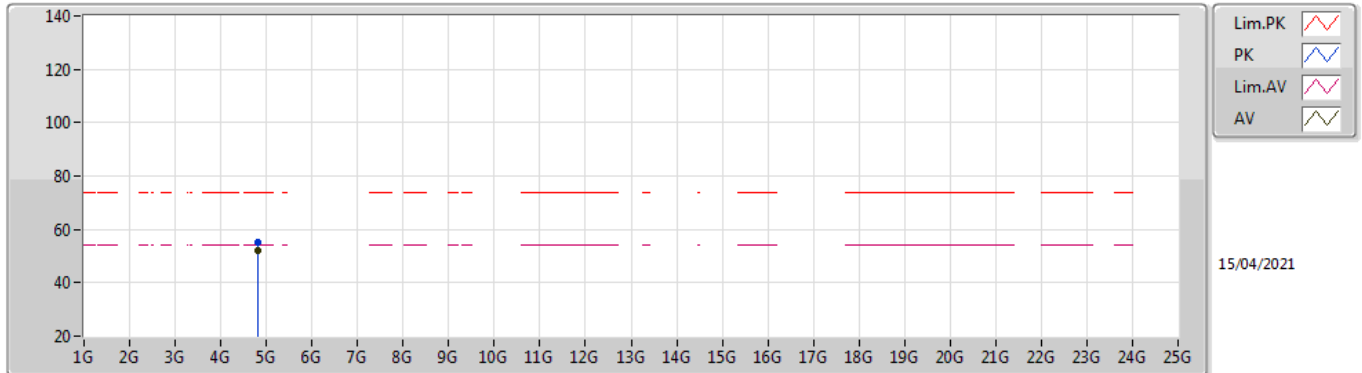
2412MHz_TX



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	2.386G	47.92	54.00	-6.08	31.95	3	Horizontal	318	1.14	-	15.97	27.66	4.29	-
AV	2.4112G	104.25	Inf	-Inf	31.91	3	Horizontal	318	1.14	-	72.34	27.60	4.31	-
PK	2.3622G	59.68	74.00	-14.32	32.01	3	Horizontal	318	1.14	-	27.67	27.75	4.26	-
PK	2.411G	106.70	Inf	-Inf	31.91	3	Horizontal	318	1.14	-	74.79	27.60	4.31	-

802.11b_Nss1,(1Mbps)_1TX

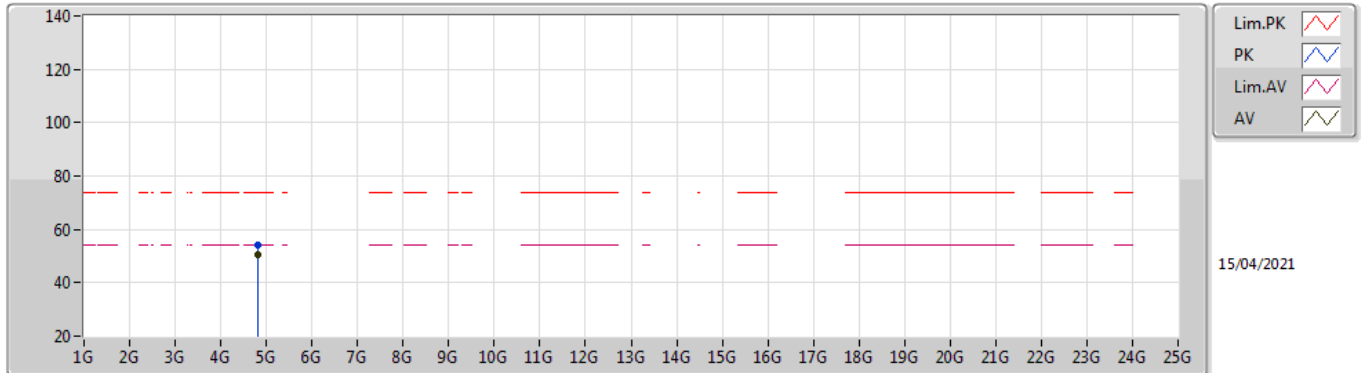
2412MHz_TX



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	4.82398G	51.83	54.00	-2.17	8.44	3	Vertical	339	1.15	-	43.39	31.15	6.52	29.23
PK	4.82404G	55.39	74.00	-18.61	8.44	3	Vertical	339	1.15	-	46.95	31.15	6.52	29.23

802.11b_Nss1,(1Mbps)_1TX

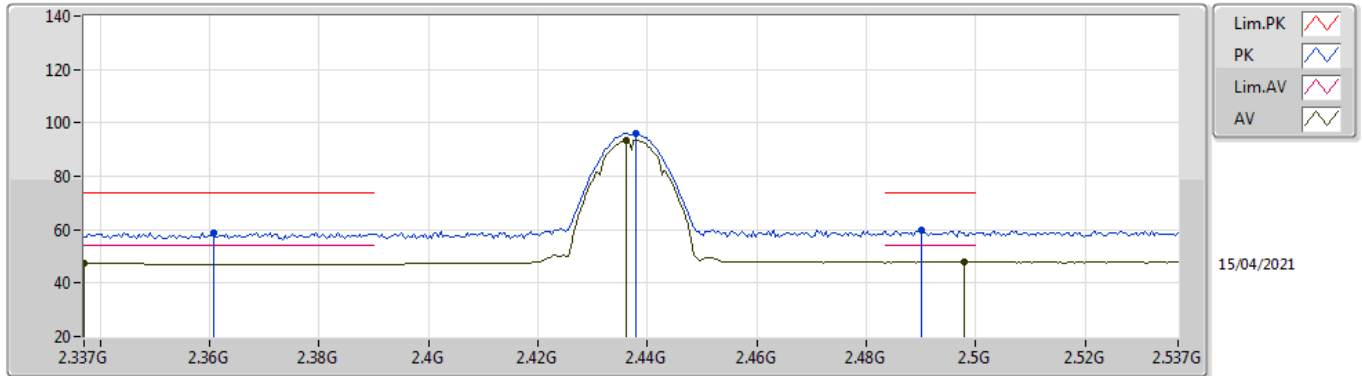
2412MHz_TX



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	4.824G	50.70	54.00	-3.30	8.44	3	Horizontal	334	1.44	-	42.26	31.15	6.52	29.23
PK	4.82396G	54.05	74.00	-19.95	8.44	3	Horizontal	334	1.44	-	45.61	31.15	6.52	29.23

802.11b_Nss1,(1Mbps)_1TX

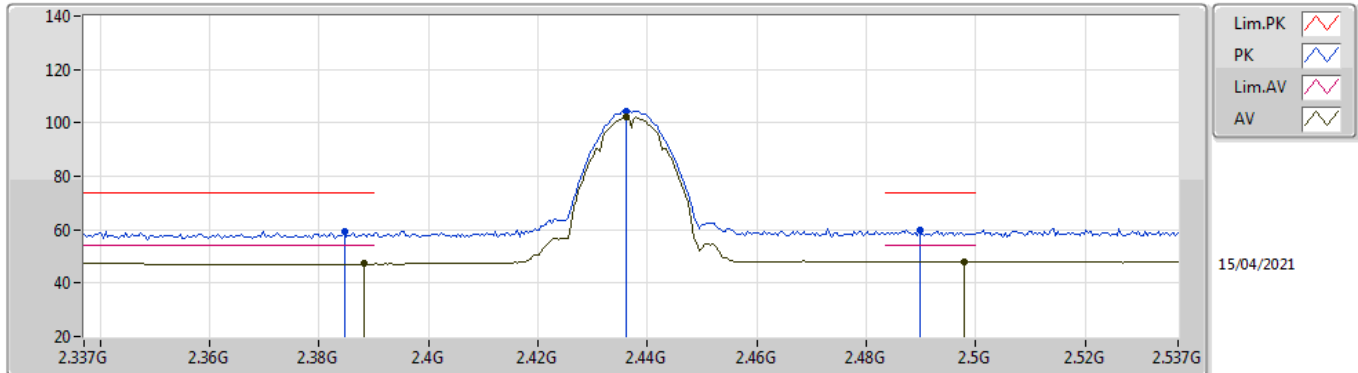
2437MHz_TX



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	2.337G	47.27	54.00	-6.73	32.07	3	Vertical	161	1.22	-	15.20	27.83	4.24	-
AV	2.4362G	93.60	Inf	-Inf	31.94	3	Vertical	161	1.22	-	61.66	27.60	4.34	-
AV	2.4978G	47.96	54.00	-6.04	32.10	3	Vertical	161	1.22	-	15.86	27.70	4.40	-
PK	2.3606G	58.96	74.00	-15.04	32.02	3	Vertical	161	1.22	-	26.94	27.76	4.26	-
PK	2.4378G	96.13	Inf	-Inf	31.94	3	Vertical	161	1.22	-	64.19	27.60	4.34	-
PK	2.4902G	59.93	74.00	-14.07	32.07	3	Vertical	161	1.22	-	27.86	27.68	4.39	-

802.11b_Nss1,(1Mbps)_1TX

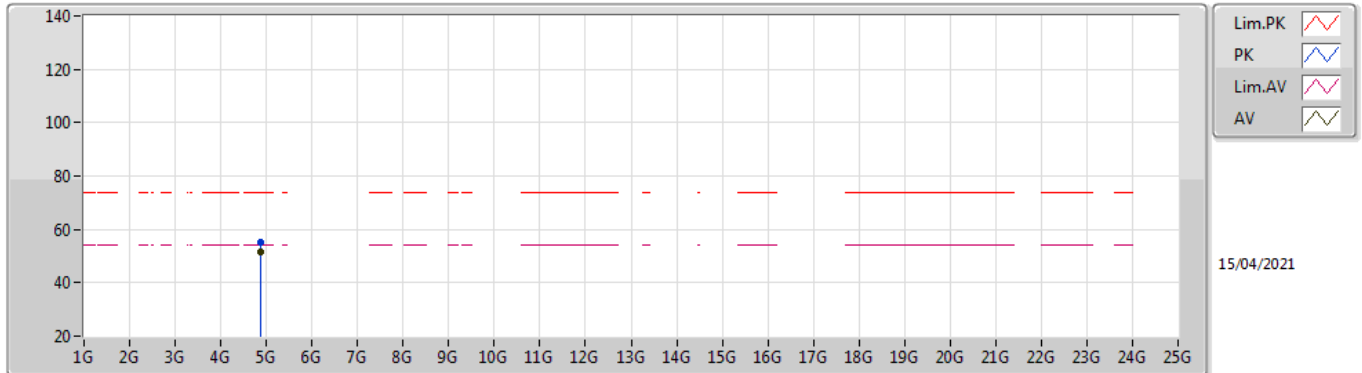
2437MHz_TX



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	2.3882G	47.38	54.00	-6.62	31.94	3	Horizontal	318	1.00	-	15.44	27.65	4.29	-
AV	2.4362G	102.10	Inf	-Inf	31.94	3	Horizontal	318	1.00	-	70.16	27.60	4.34	-
AV	2.4978G	47.96	54.00	-6.04	32.10	3	Horizontal	318	1.00	-	15.86	27.70	4.40	-
PK	2.3846G	59.41	74.00	-14.59	31.94	3	Horizontal	318	1.00	-	27.47	27.66	4.28	-
PK	2.4362G	104.53	Inf	-Inf	31.94	3	Horizontal	318	1.00	-	72.59	27.60	4.34	-
PK	2.4898G	59.93	74.00	-14.07	32.07	3	Horizontal	318	1.00	-	27.86	27.68	4.39	-

802.11b_Nss1,(1Mbps)_1TX

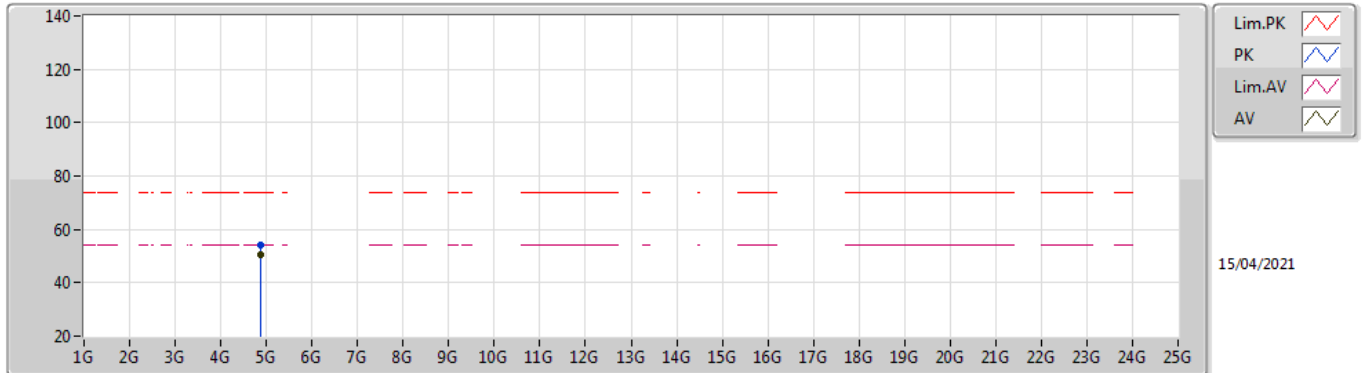
2437MHz_TX



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	4.874G	51.54	54.00	-2.46	8.56	3	Vertical	317	1.02	-	42.98	31.20	6.57	29.21
PK	4.874G	54.96	74.00	-19.04	8.56	3	Vertical	317	1.02	-	46.40	31.20	6.57	29.21

802.11b_Nss1,(1Mbps)_1TX

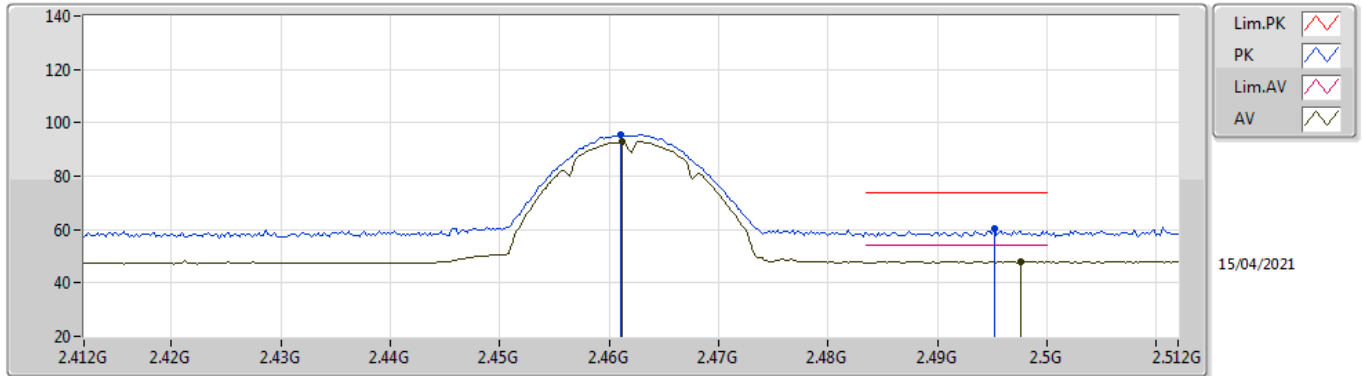
2437MHz_TX



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	4.87396G	50.49	54.00	-3.51	8.56	3	Horizontal	39	1.89	-	41.93	31.20	6.57	29.21
PK	4.87402G	54.04	74.00	-19.96	8.56	3	Horizontal	39	1.89	-	45.48	31.20	6.57	29.21

802.11b_Nss1,(1Mbps)_1TX

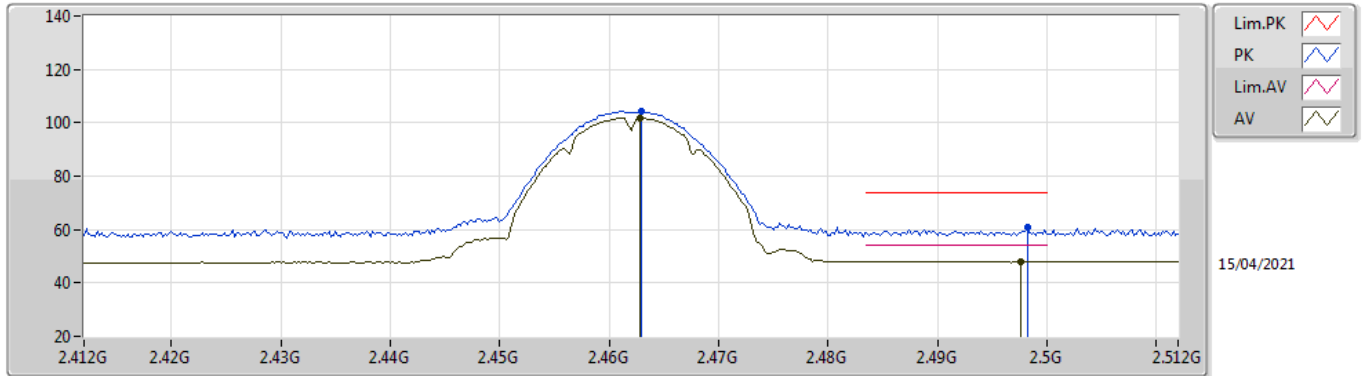
2462MHz_TX



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	2.4612G	92.95	Inf	-Inf	31.98	3	Vertical	309	2.10	-	60.97	27.62	4.36	-
AV	2.4976G	47.96	54.00	-6.04	32.10	3	Vertical	309	2.10	-	15.86	27.70	4.40	-
PK	2.461G	95.52	Inf	-Inf	31.98	3	Vertical	309	2.10	-	63.54	27.62	4.36	-
PK	2.4952G	60.17	74.00	-13.83	32.09	3	Vertical	309	2.10	-	28.08	27.69	4.40	-

802.11b_Nss1,(1Mbps)_1TX

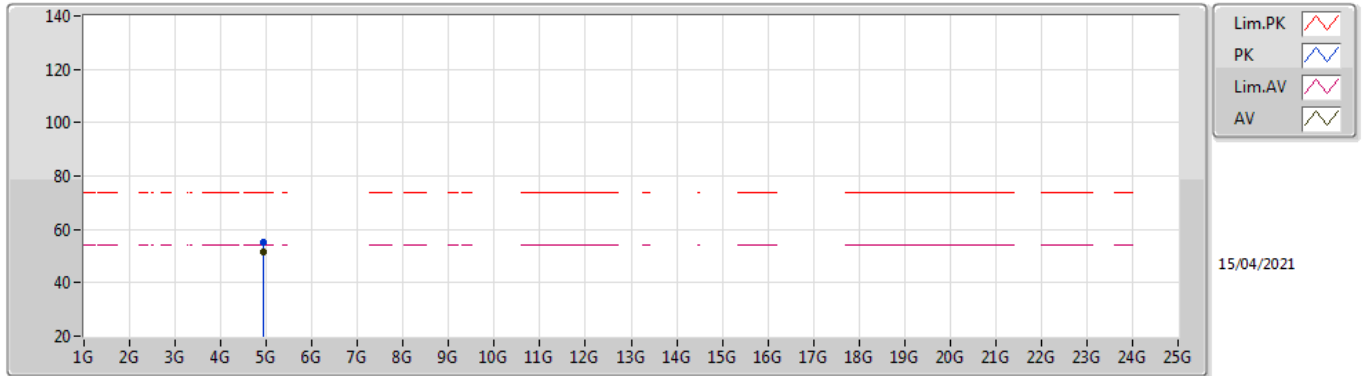
2462MHz_TX



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	101.85	Inf	-Inf	31.99	3	Horizontal	318	1.20	-	69.86	27.63	4.36	-
AV	2.4976G	47.96	54.00	-6.04	32.10	3	Horizontal	318	1.20	-	15.86	27.70	4.40	-
PK	2.463G	104.35	Inf	-Inf	31.99	3	Horizontal	318	1.20	-	72.36	27.63	4.36	-
PK	2.4982G	60.82	74.00	-13.18	32.10	3	Horizontal	318	1.20	-	28.72	27.70	4.40	-

802.11b_Nss1,(1Mbps)_1TX

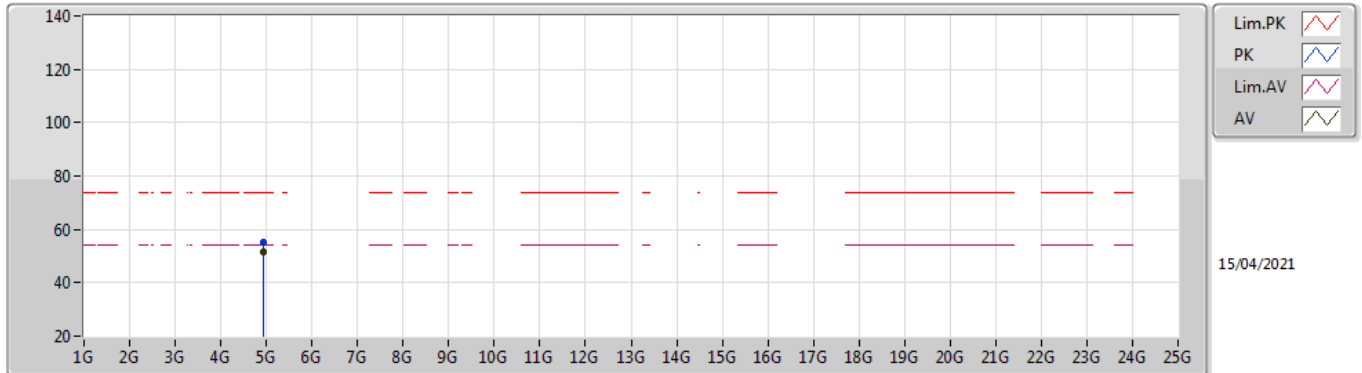
2462MHz_TX



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	4.92398G	51.43	54.00	-2.57	8.68	3	Vertical	319	1.04	-	42.75	31.25	6.62	29.19
PK	4.924G	55.02	74.00	-18.98	8.68	3	Vertical	319	1.04	-	46.34	31.25	6.62	29.19

802.11b_Nss1,(1Mbps)_1TX

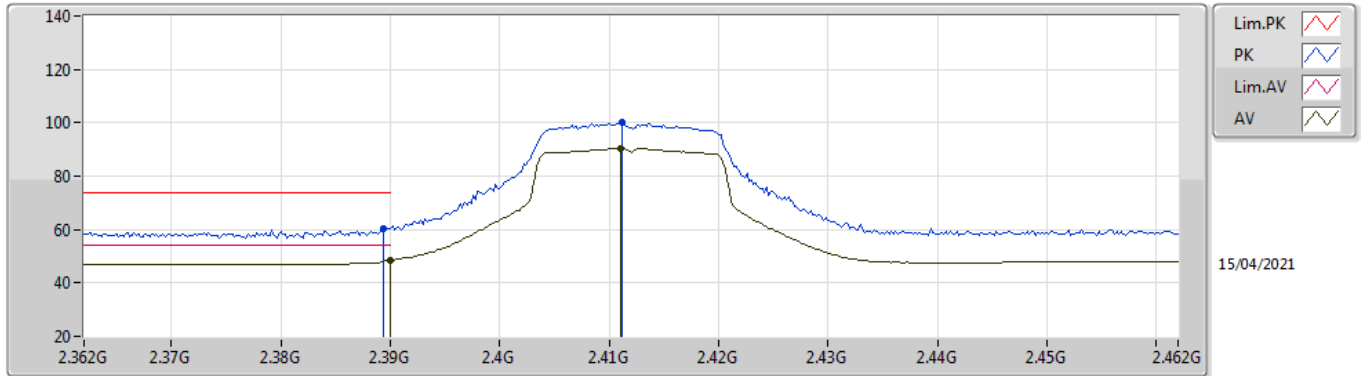
2462MHz_TX



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	4.92398G	51.75	54.00	-2.25	8.68	3	Horizontal	38	1.10	-	43.07	31.25	6.62	29.19
PK	4.924G	55.00	74.00	-19.00	8.68	3	Horizontal	38	1.10	-	46.32	31.25	6.62	29.19

802.11g_Nss1,(6Mbps)_1TX

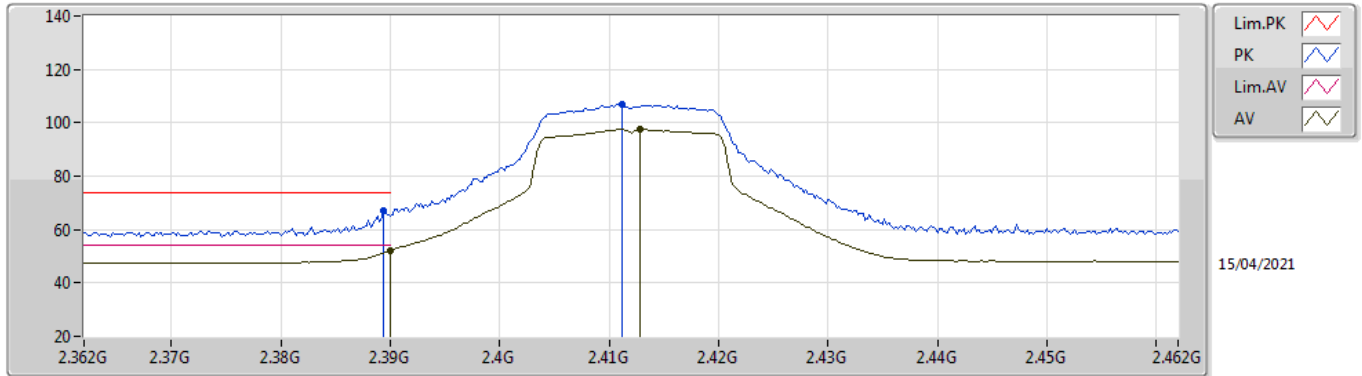
2412MHz_TX



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	48.48	54.00	-5.52	31.93	3	Vertical	269	1.36	-	16.55	27.64	4.29	-
AV	2.411G	90.46	Inf	-Inf	31.91	3	Vertical	269	1.36	-	58.55	27.60	4.31	-
PK	2.3894G	60.35	74.00	-13.65	31.93	3	Vertical	269	1.36	-	28.42	27.64	4.29	-
PK	2.4112G	100.32	Inf	-Inf	31.91	3	Vertical	269	1.36	-	68.41	27.60	4.31	-

802.11g_Nss1,(6Mbps)_1TX

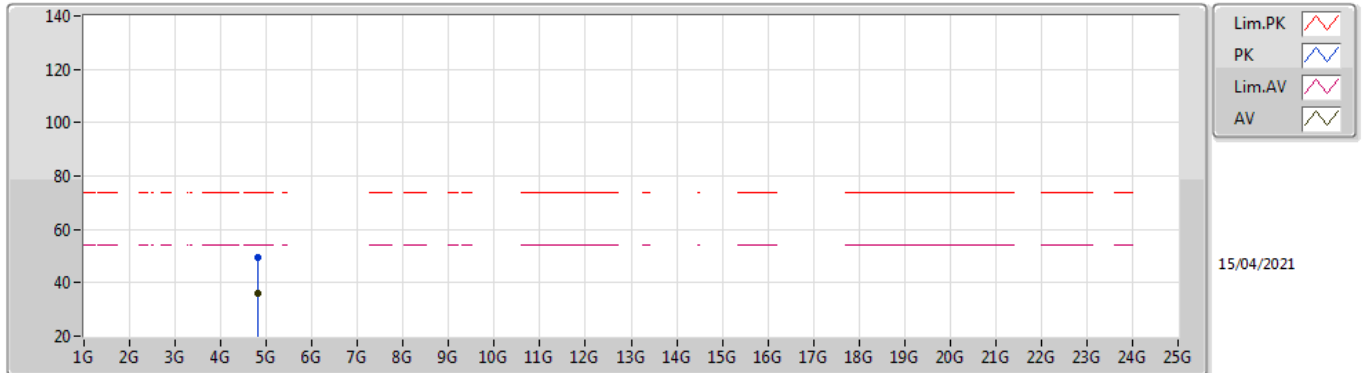
2412MHz_TX



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	52.00	54.00	-2.00	31.93	3	Horizontal	320	1.06	-	20.07	27.64	4.29	-
AV	2.4128G	97.55	Inf	-Inf	31.91	3	Horizontal	320	1.06	-	65.64	27.60	4.31	-
PK	2.3894G	66.87	74.00	-7.13	31.93	3	Horizontal	320	1.06	-	34.94	27.64	4.29	-
PK	2.4112G	107.01	Inf	-Inf	31.91	3	Horizontal	320	1.06	-	75.10	27.60	4.31	-

802.11g_Nss1,(6Mbps)_1TX

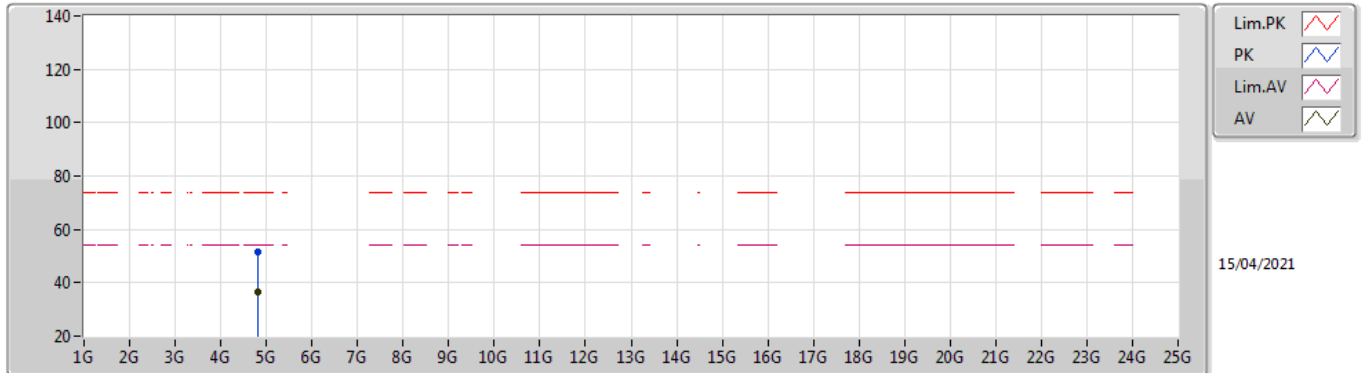
2412MHz_TX



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	4.82388G	36.20	54.00	-17.80	8.44	3	Vertical	311	1.20	-	27.76	31.15	6.52	29.23
PK	4.82466G	49.32	74.00	-24.68	8.44	3	Vertical	311	1.20	-	40.88	31.15	6.52	29.23

802.11g_Nss1,(6Mbps)_1TX

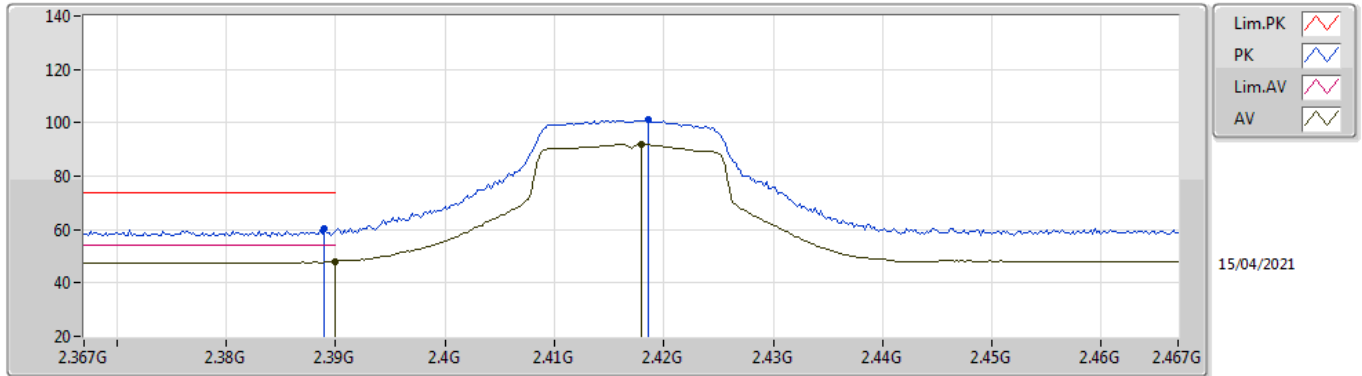
2412MHz_TX



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	4.82718G	36.73	54.00	-17.27	8.45	3	Horizontal	337	2.00	-	28.28	31.15	6.53	29.23
PK	4.82448G	51.35	74.00	-22.65	8.44	3	Horizontal	337	2.00	-	42.91	31.15	6.52	29.23

802.11g_Nss1,(6Mbps)_1TX

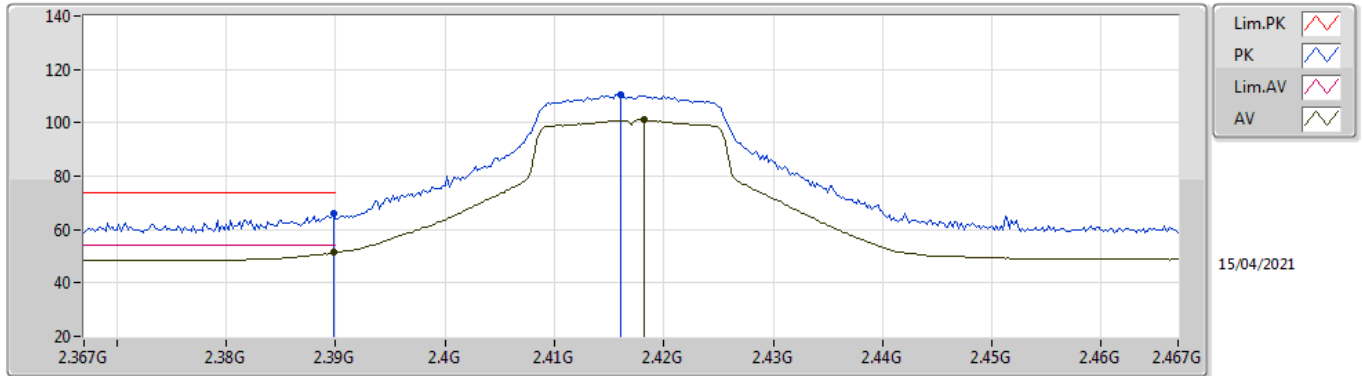
2417MHz_TX



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	47.91	54.00	-6.09	31.93	3	Vertical	144	1.14	-	15.98	27.64	4.29	-
AV	2.418G	92.00	Inf	-Inf	31.92	3	Vertical	144	1.14	-	60.08	27.60	4.32	-
PK	2.389G	60.57	74.00	-13.43	31.93	3	Vertical	144	1.14	-	28.64	27.64	4.29	-
PK	2.4186G	101.21	Inf	-Inf	31.92	3	Vertical	144	1.14	-	69.29	27.60	4.32	-

802.11g_Nss1,(6Mbps)_1TX

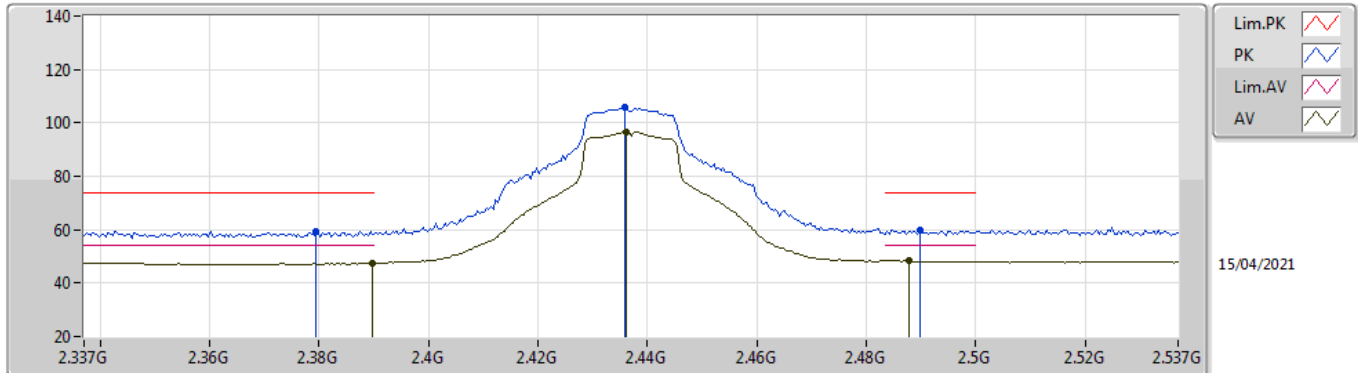
2417MHz_TX



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	2.3898G	51.33	54.00	-2.67	31.93	3	Horizontal	323	1.26	-	19.40	27.64	4.29	-
AV	2.4182G	101.08	Inf	-Inf	31.92	3	Horizontal	323	1.26	-	69.16	27.60	4.32	-
PK	2.3898G	65.93	74.00	-8.07	31.93	3	Horizontal	323	1.26	-	34.00	27.64	4.29	-
PK	2.416G	110.70	Inf	-Inf	31.92	3	Horizontal	323	1.26	-	78.78	27.60	4.32	-

802.11g_Nss1,(6Mbps)_1TX

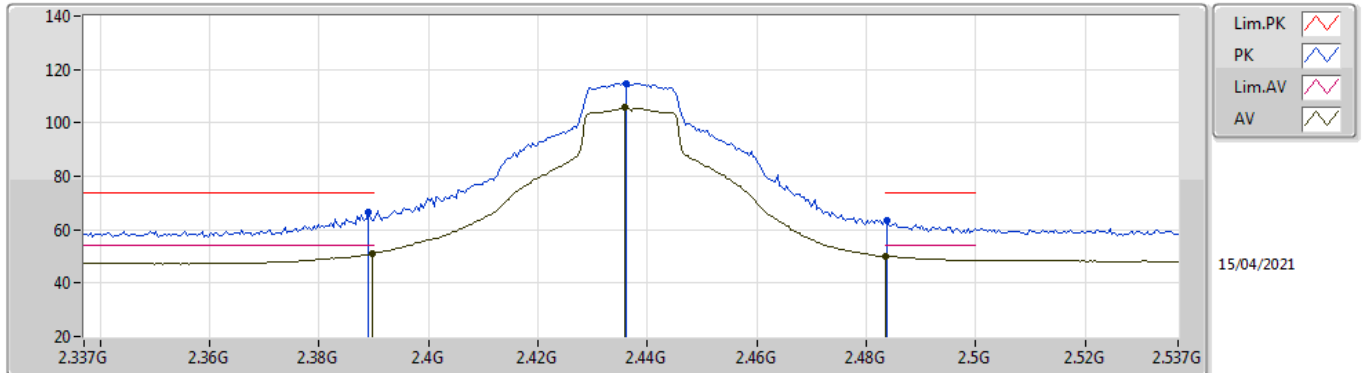
2437MHz_TX



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	2.3898G	47.39	54.00	-6.61	31.93	3	Vertical	3	1.53	-	15.46	27.64	4.29	-
AV	2.4362G	96.51	Inf	-Inf	31.94	3	Vertical	3	1.53	-	64.57	27.60	4.34	-
AV	2.4878G	48.22	54.00	-5.78	32.07	3	Vertical	3	1.53	-	16.15	27.68	4.39	-
PK	2.3794G	59.49	74.00	-14.51	31.96	3	Vertical	3	1.53	-	27.53	27.68	4.28	-
PK	2.4358G	105.78	Inf	-Inf	31.94	3	Vertical	3	1.53	-	73.84	27.60	4.34	-
PK	2.4898G	59.62	74.00	-14.38	32.07	3	Vertical	3	1.53	-	27.55	27.68	4.39	-

802.11g_Nss1,(6Mbps)_1TX

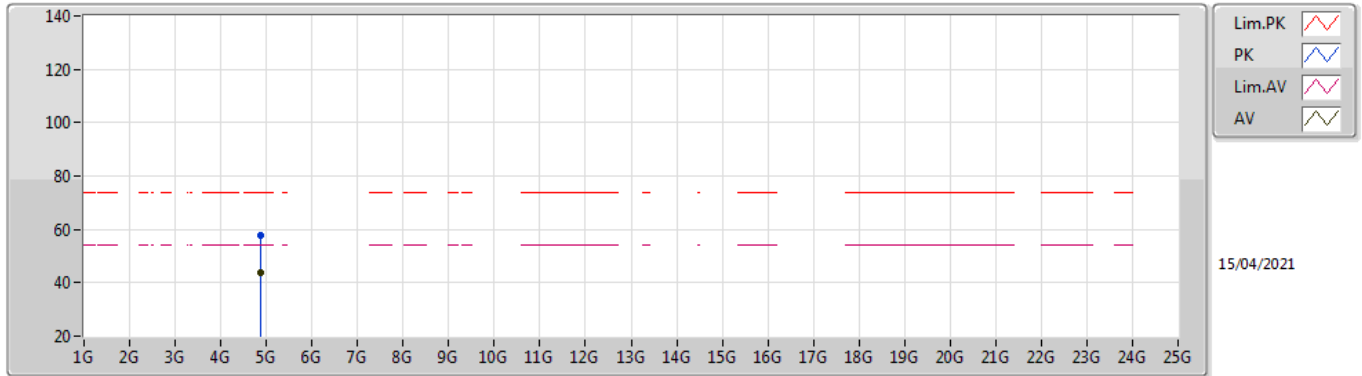
2437MHz_TX



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	2.3898G	51.10	54.00	-2.90	31.93	3	Horizontal	317	1.00	-	19.17	27.64	4.29	-
AV	2.4358G	105.61	Inf	-Inf	31.94	3	Horizontal	317	1.00	-	73.67	27.60	4.34	-
AV	2.4835G	50.01	54.00	-3.99	32.05	3	Horizontal	317	1.00	-	17.96	27.67	4.38	-
PK	2.389G	66.49	74.00	-7.51	31.93	3	Horizontal	317	1.00	-	34.56	27.64	4.29	-
PK	2.4362G	114.91	Inf	-Inf	31.94	3	Horizontal	317	1.00	-	82.97	27.60	4.34	-
PK	2.4838G	63.27	74.00	-10.73	32.05	3	Horizontal	317	1.00	-	31.22	27.67	4.38	-

802.11g_Nss1,(6Mbps)_1TX

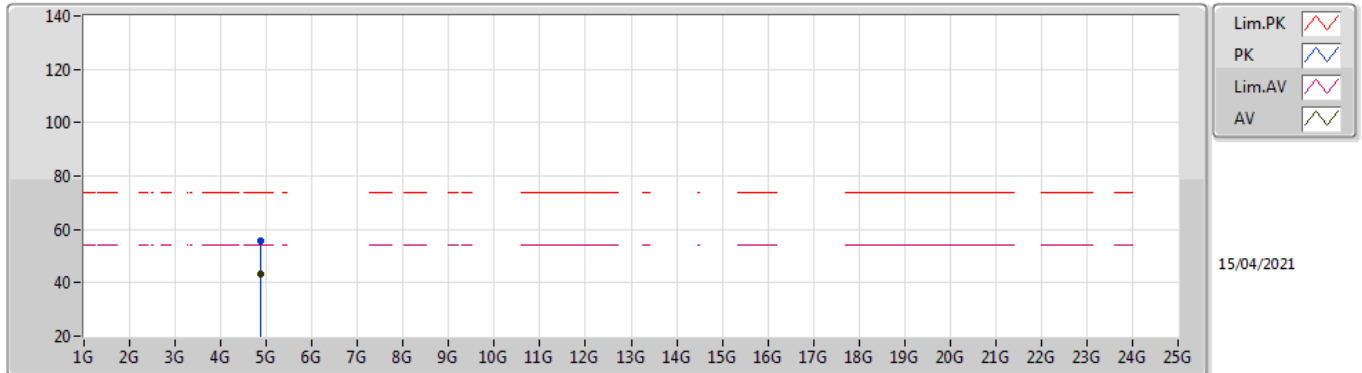
2437MHz_TX



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	4.87322G	43.90	54.00	-10.10	8.56	3	Vertical	339	1.04	-	35.34	31.20	6.57	29.21
PK	4.8743G	57.69	74.00	-16.31	8.56	3	Vertical	339	1.04	-	49.13	31.20	6.57	29.21

802.11g_Nss1,(6Mbps)_1TX

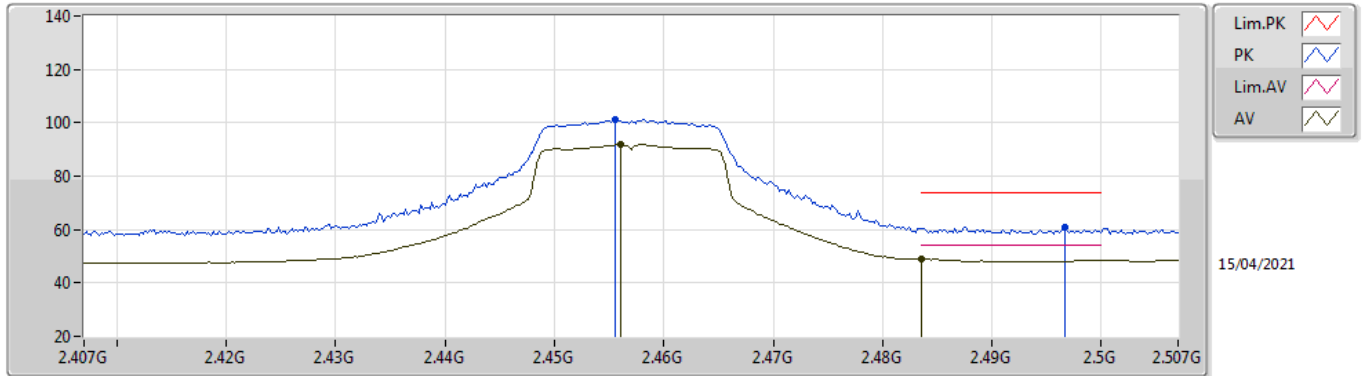
2437MHz_TX



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	4.87502G	43.34	54.00	-10.66	8.57	3	Horizontal	52	2.00	-	34.77	31.20	6.58	29.21
PK	4.87814G	55.93	74.00	-18.07	8.57	3	Horizontal	52	2.00	-	47.36	31.20	6.58	29.21

802.11g_Nss1,(6Mbps)_1TX

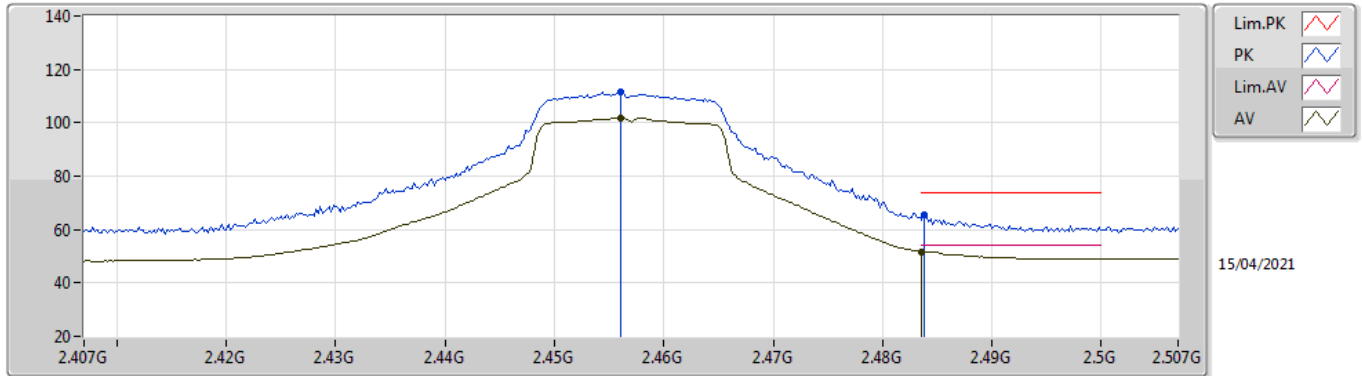
2457MHz_TX



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	2.456G	91.81	Inf	-Inf	31.97	3	Vertical	158	1.61	-	59.84	27.61	4.36	-
AV	2.4835G	48.71	54.00	-5.29	32.05	3	Vertical	158	1.61	-	16.66	27.67	4.38	-
PK	2.4556G	100.98	Inf	-Inf	31.97	3	Vertical	158	1.61	-	69.01	27.61	4.36	-
PK	2.4966G	61.11	74.00	-12.89	32.09	3	Vertical	158	1.61	-	29.02	27.69	4.40	-

802.11g_Nss1,(6Mbps)_1TX

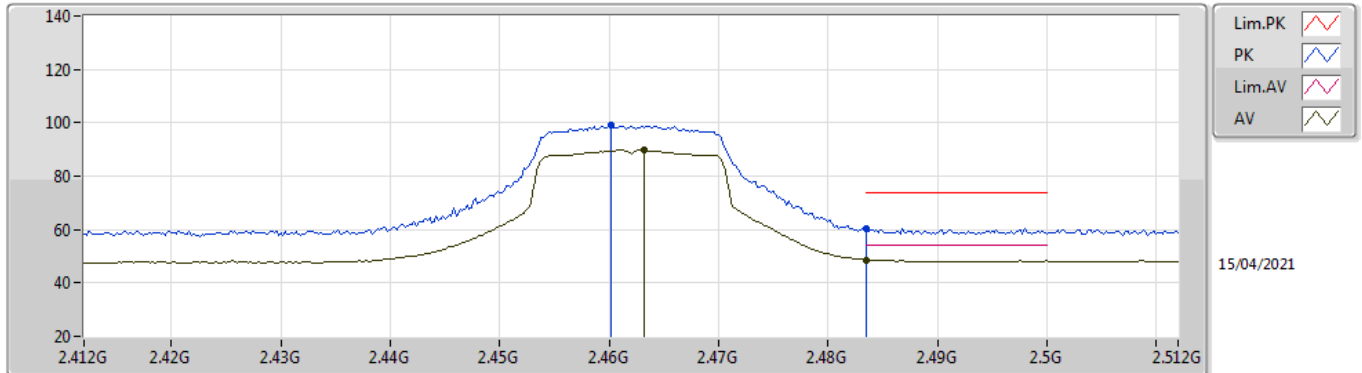
2457MHz_TX



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	2.456G	101.89	Inf	-Inf	31.97	3	Horizontal	308	1.08	-	69.92	27.61	4.36	-
AV	2.4835G	51.75	54.00	-2.25	32.05	3	Horizontal	308	1.08	-	19.70	27.67	4.38	-
PK	2.456G	111.81	Inf	-Inf	31.97	3	Horizontal	308	1.08	-	79.84	27.61	4.36	-
PK	2.4838G	65.33	74.00	-8.67	32.05	3	Horizontal	308	1.08	-	33.28	27.67	4.38	-

802.11g_Nss1,(6Mbps)_1TX

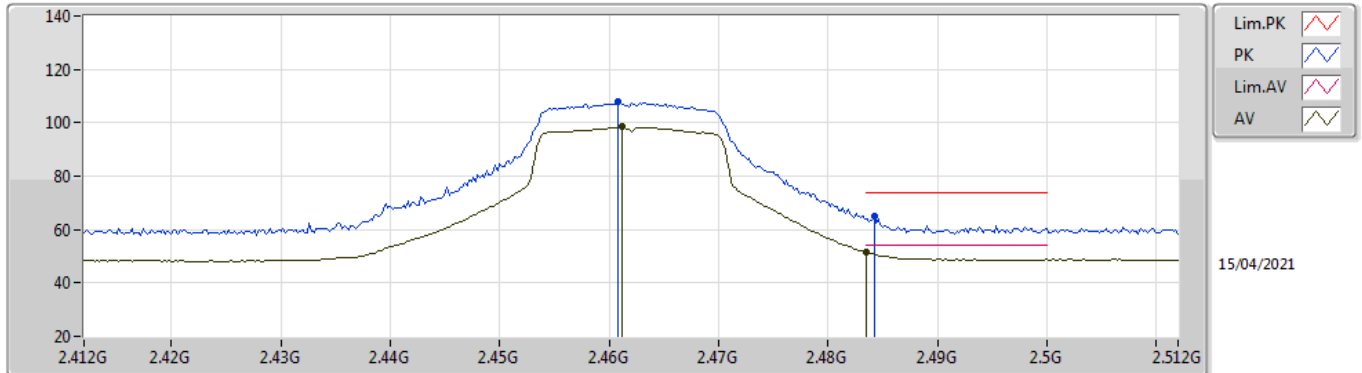
2462MHz_TX



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	2.4632G	89.66	Inf	-Inf	31.99	3	Vertical	348	1.64	-	57.67	27.63	4.36	-
AV	2.4835G	48.48	54.00	-5.52	32.05	3	Vertical	348	1.64	-	16.43	27.67	4.38	-
PK	2.4602G	99.17	Inf	-Inf	31.98	3	Vertical	348	1.64	-	67.19	27.62	4.36	-
PK	2.4835G	60.34	74.00	-13.66	32.05	3	Vertical	348	1.64	-	28.29	27.67	4.38	-

802.11g_Nss1,(6Mbps)_1TX

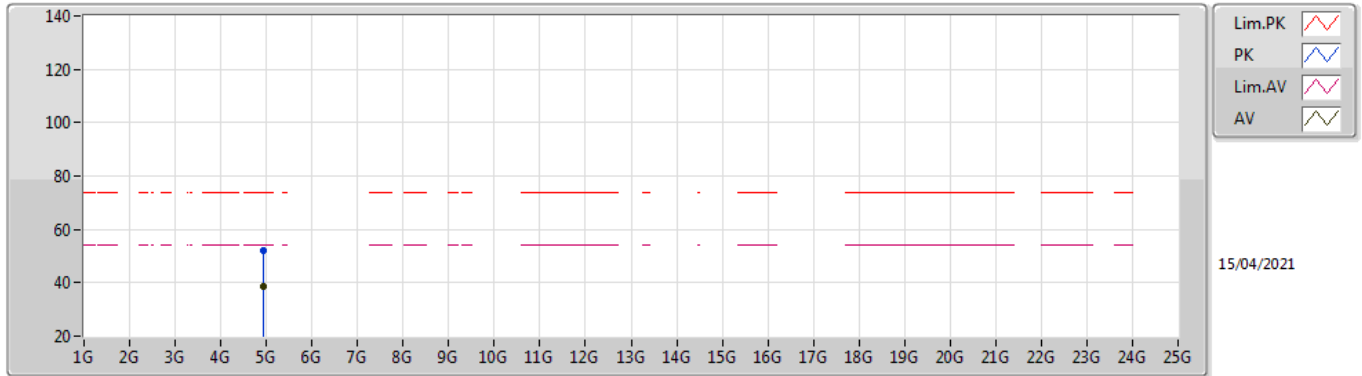
2462MHz_TX



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	2.4612G	98.40	Inf	-Inf	31.98	3	Horizontal	317	1.20	-	66.42	27.62	4.36	-
AV	2.4835G	51.71	54.00	-2.29	32.05	3	Horizontal	317	1.20	-	19.66	27.67	4.38	-
PK	2.4608G	107.78	Inf	-Inf	31.98	3	Horizontal	317	1.20	-	75.80	27.62	4.36	-
PK	2.4842G	65.10	74.00	-8.90	32.05	3	Horizontal	317	1.20	-	33.05	27.67	4.38	-

802.11g_Nss1,(6Mbps)_1TX

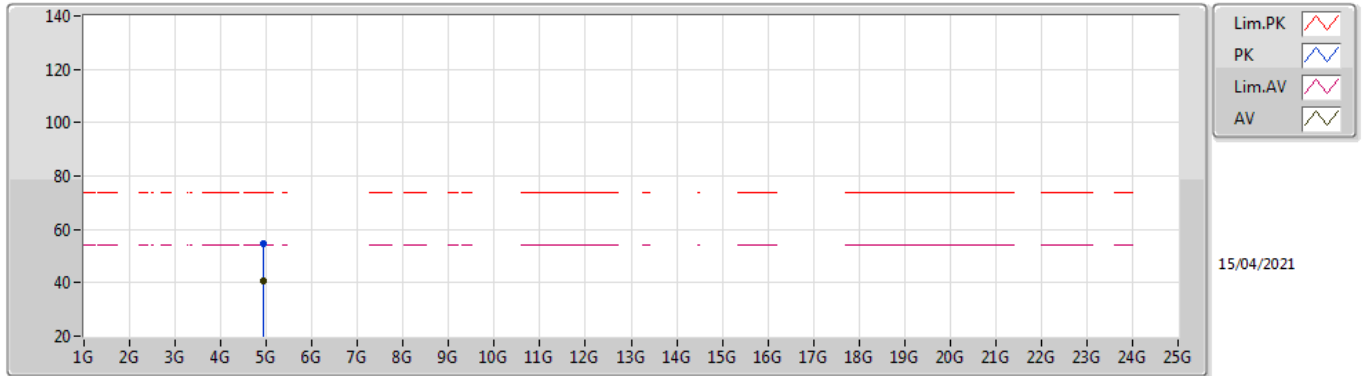
2462MHz_TX



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	4.92424G	38.84	54.00	-15.16	8.68	3	Vertical	324	1.03	-	30.16	31.25	6.62	29.19
PK	4.9243G	52.14	74.00	-21.86	8.68	3	Vertical	324	1.03	-	43.46	31.25	6.62	29.19

802.11g_Nss1,(6Mbps)_1TX

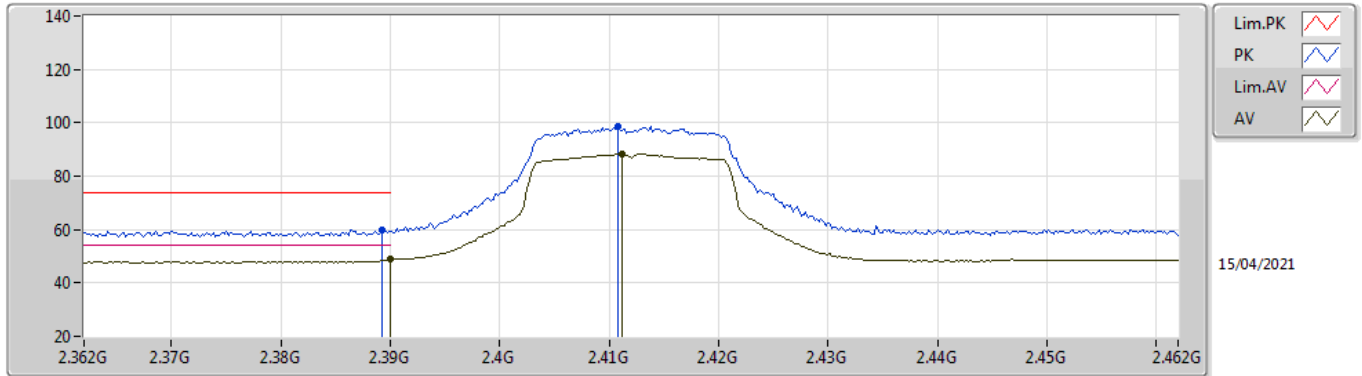
2462MHz_TX



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	4.92316G	40.58	54.00	-13.42	8.68	3	Horizontal	39	1.93	-	31.90	31.25	6.62	29.19
PK	4.92268G	54.58	74.00	-19.42	8.68	3	Horizontal	39	1.93	-	45.90	31.25	6.62	29.19

802.11n HT20_Nss1,(MCS0)_1TX

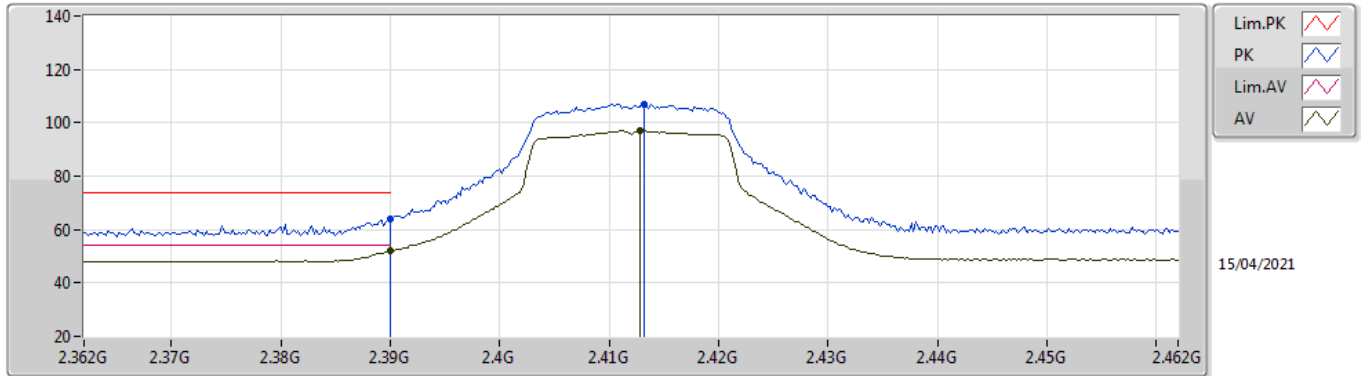
2412MHz_TX



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	48.71	54.00	-5.29	31.93	3	Vertical	144	1.42	-	16.78	27.64	4.29	-
AV	2.4112G	88.27	Inf	-Inf	31.91	3	Vertical	144	1.42	-	56.36	27.60	4.31	-
PK	2.3892G	59.69	74.00	-14.31	31.93	3	Vertical	144	1.42	-	27.76	27.64	4.29	-
PK	2.4108G	98.78	Inf	-Inf	31.91	3	Vertical	144	1.42	-	66.87	27.60	4.31	-

802.11n HT20_Nss1,(MCS0)_1TX

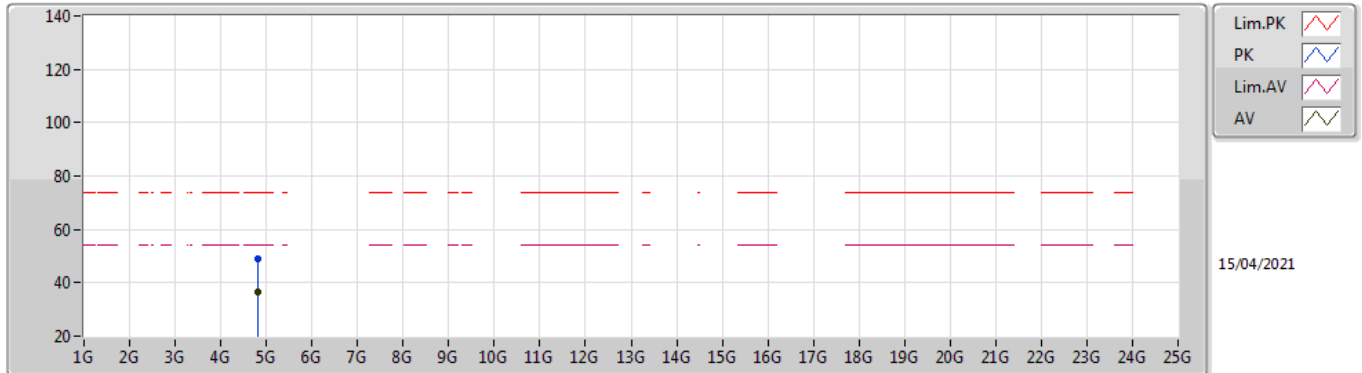
2412MHz_TX



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	51.88	54.00	-2.12	31.93	3	Horizontal	324	1.28	-	19.95	27.64	4.29	-
AV	2.4128G	96.94	Inf	-Inf	31.91	3	Horizontal	324	1.28	-	65.03	27.60	4.31	-
PK	2.39G	64.15	74.00	-9.85	31.93	3	Horizontal	324	1.28	-	32.22	27.64	4.29	-
PK	2.4132G	107.06	Inf	-Inf	31.91	3	Horizontal	324	1.28	-	75.15	27.60	4.31	-

802.11n HT20_Nss1,(MCS0)_1TX

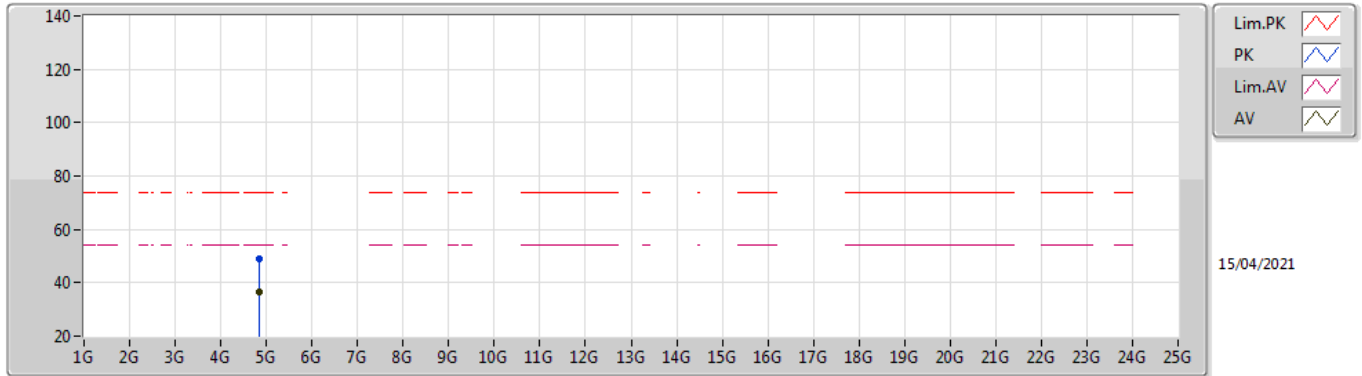
2412MHz_TX



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	4.82382G	36.64	54.00	-17.36	8.44	3	Vertical	325	1.27	-	28.20	31.15	6.52	29.23
PK	4.8204G	48.82	74.00	-25.18	8.43	3	Vertical	325	1.27	-	40.39	31.14	6.52	29.23

802.11n HT20_Nss1,(MCS0)_1TX

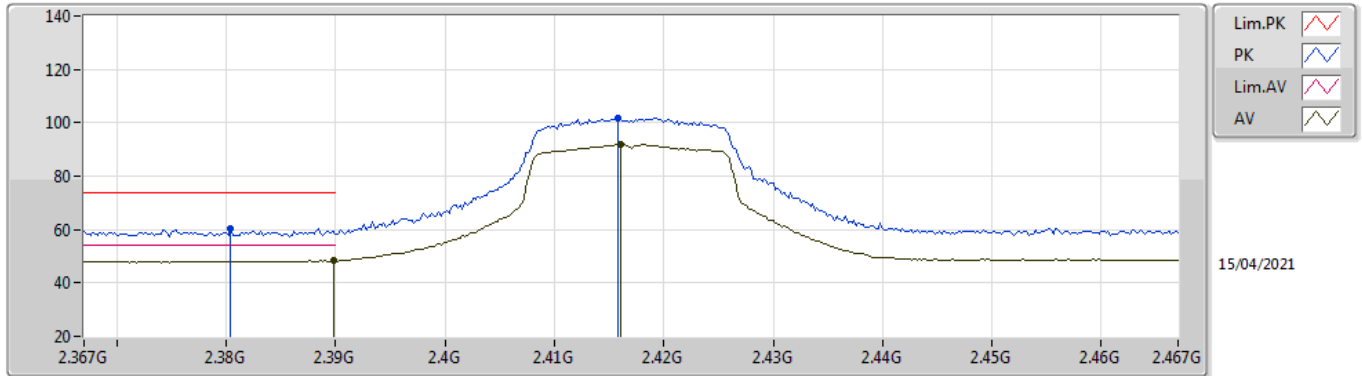
2412MHz_TX



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	4.83078G	36.72	54.00	-17.28	8.47	3	Horizontal	336	2.01	-	28.25	31.16	6.53	29.22
PK	4.83282G	49.05	74.00	-24.95	8.48	3	Horizontal	336	2.01	-	40.57	31.17	6.53	29.22

802.11n HT20_Nss1,(MCS0)_1TX

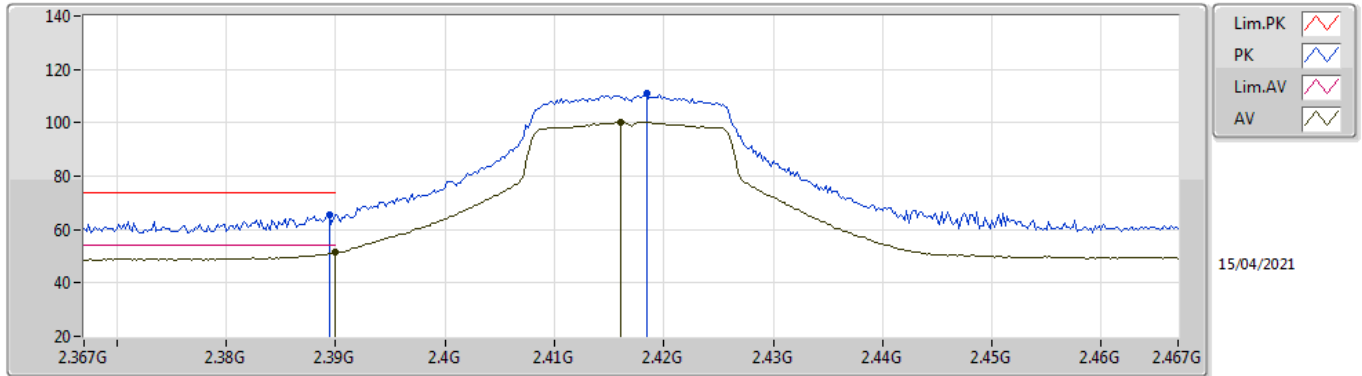
2417MHz_TX



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	2.3898G	48.45	54.00	-5.55	31.93	3	Vertical	142	1.82	-	16.52	27.64	4.29	-
AV	2.416G	91.85	Inf	-Inf	31.92	3	Vertical	142	1.82	-	59.93	27.60	4.32	-
PK	2.3804G	60.20	74.00	-13.80	31.96	3	Vertical	142	1.82	-	28.24	27.68	4.28	-
PK	2.4158G	101.90	Inf	-Inf	31.92	3	Vertical	142	1.82	-	69.98	27.60	4.32	-

802.11n HT20_Nss1,(MCS0)_1TX

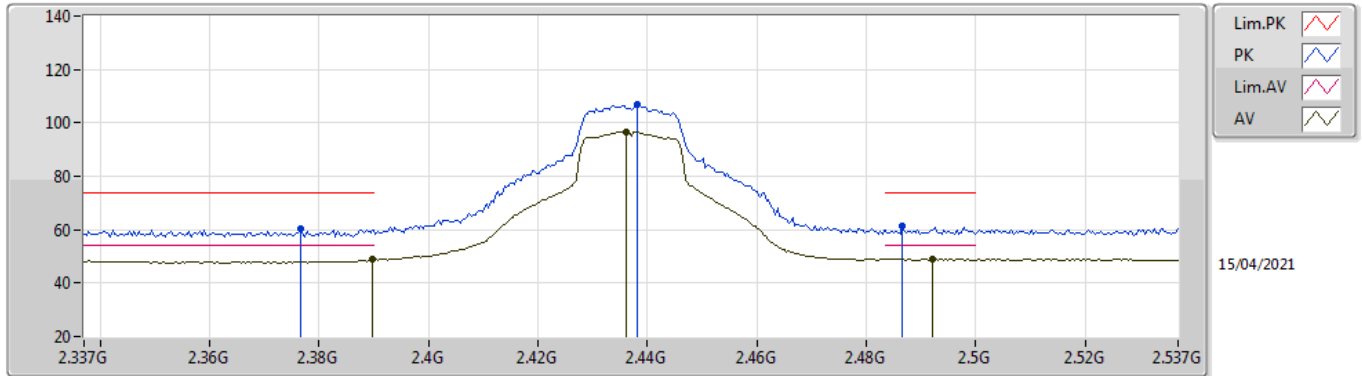
2417MHz_TX



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	51.33	54.00	-2.67	31.93	3	Horizontal	328	1.26	-	19.40	27.64	4.29	-
AV	2.416G	100.39	Inf	-Inf	31.92	3	Horizontal	328	1.26	-	68.47	27.60	4.32	-
PK	2.3894G	65.68	74.00	-8.32	31.93	3	Horizontal	328	1.26	-	33.75	27.64	4.29	-
PK	2.4184G	111.15	Inf	-Inf	31.92	3	Horizontal	328	1.26	-	79.23	27.60	4.32	-

802.11n HT20_Nss1,(MCS0)_1TX

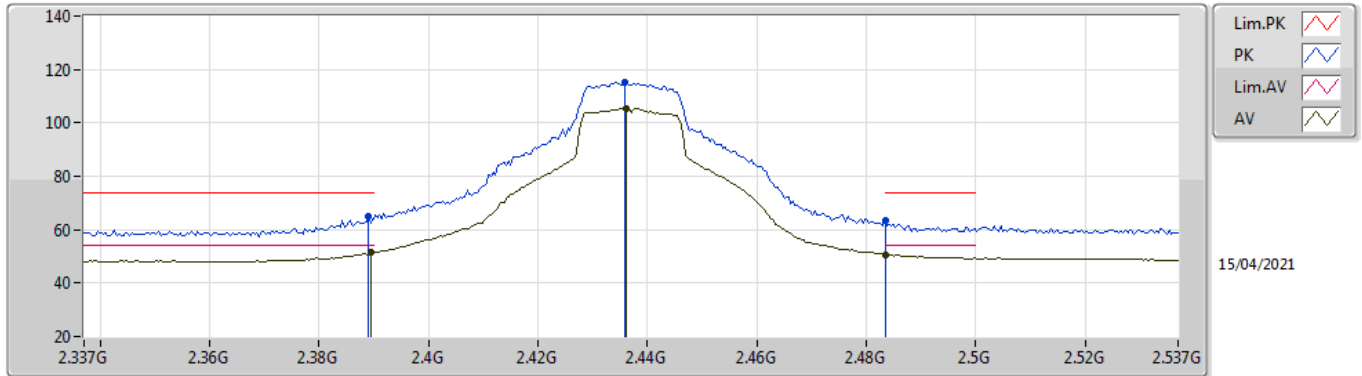
2437MHz_TX



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	2.3898G	48.71	54.00	-5.29	31.93	3	Vertical	155	1.40	-	16.78	27.64	4.29	-
AV	2.4362G	96.77	Inf	-Inf	31.94	3	Vertical	155	1.40	-	64.83	27.60	4.34	-
AV	2.4922G	49.01	54.00	-4.99	32.07	3	Vertical	155	1.40	-	16.94	27.68	4.39	-
PK	2.3766G	60.13	74.00	-13.87	31.97	3	Vertical	155	1.40	-	28.16	27.69	4.28	-
PK	2.4382G	106.97	Inf	-Inf	31.94	3	Vertical	155	1.40	-	75.03	27.60	4.34	-
PK	2.4866G	61.27	74.00	-12.73	32.06	3	Vertical	155	1.40	-	29.21	27.67	4.39	-

802.11n HT20_Nss1,(MCS0)_1TX

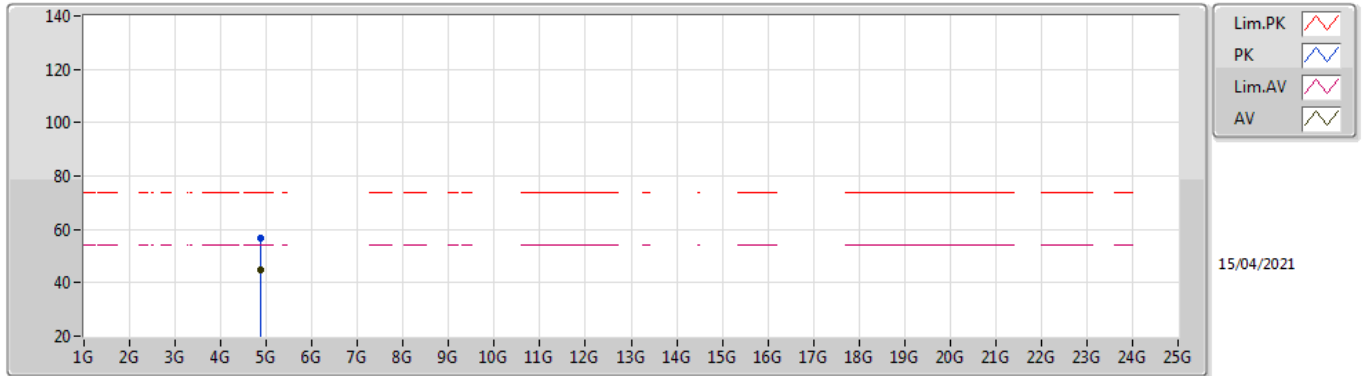
2437MHz_TX



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	51.33	54.00	-2.67	31.93	3	Horizontal	311	1.09	-	19.40	27.64	4.29	-
AV	2.4362G	105.58	Inf	-Inf	31.94	3	Horizontal	311	1.09	-	73.64	27.60	4.34	-
AV	2.4835G	50.70	54.00	-3.30	32.05	3	Horizontal	311	1.09	-	18.65	27.67	4.38	-
PK	2.389G	64.80	74.00	-9.20	31.93	3	Horizontal	311	1.09	-	32.87	27.64	4.29	-
PK	2.4358G	115.13	Inf	-Inf	31.94	3	Horizontal	311	1.09	-	83.19	27.60	4.34	-
PK	2.4835G	63.50	74.00	-10.50	32.05	3	Horizontal	311	1.09	-	31.45	27.67	4.38	-

802.11n HT20_Nss1,(MCS0)_1TX

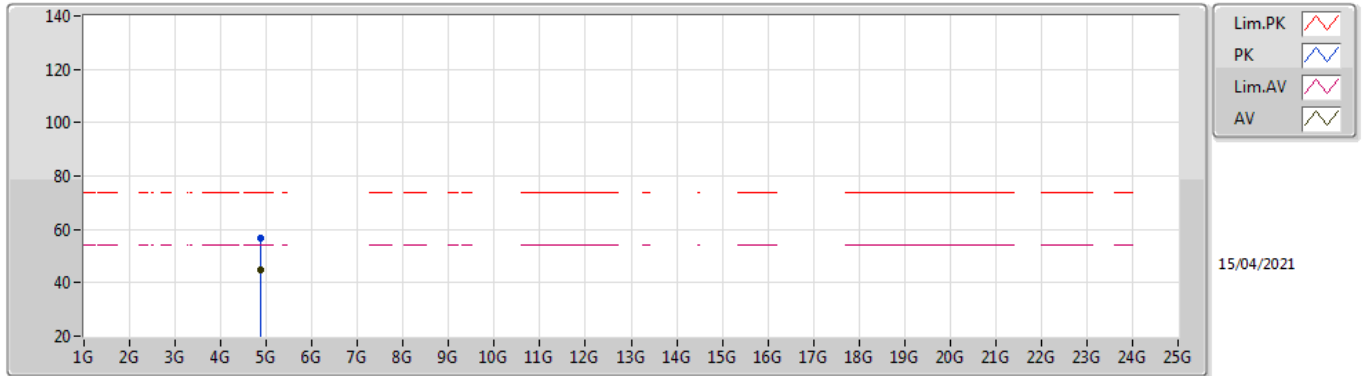
2437MHz_TX



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	4.87382G	44.70	54.00	-9.30	8.56	3	Vertical	341	1.15	-	36.14	31.20	6.57	29.21
PK	4.87532G	56.67	74.00	-17.33	8.57	3	Vertical	341	1.15	-	48.10	31.20	6.58	29.21

802.11n HT20_Nss1,(MCS0)_1TX

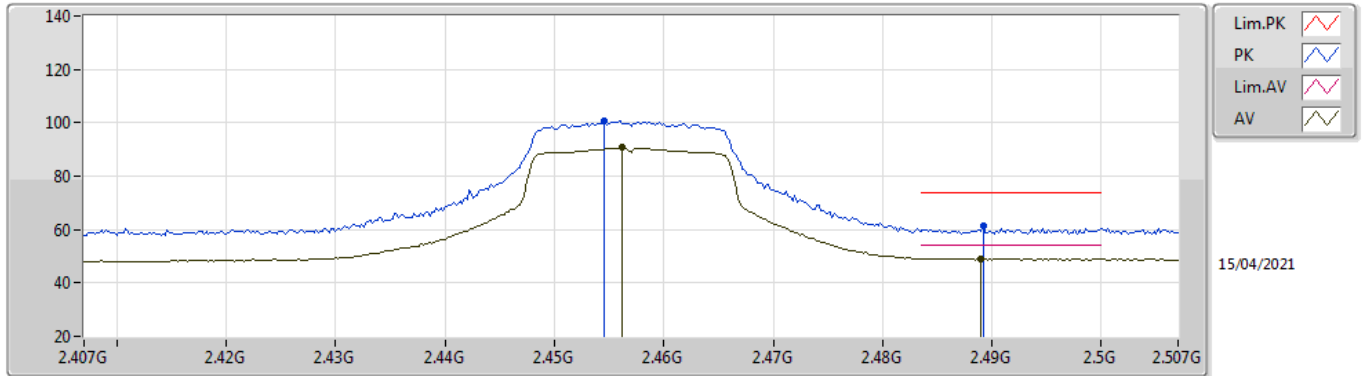
2437MHz_TX



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	4.87634G	44.59	54.00	-9.41	8.57	3	Horizontal	38	2.05	-	36.02	31.20	6.58	29.21
PK	4.87694G	56.56	74.00	-17.44	8.57	3	Horizontal	38	2.05	-	47.99	31.20	6.58	29.21

802.11n HT20_Nss1,(MCS0)_1TX

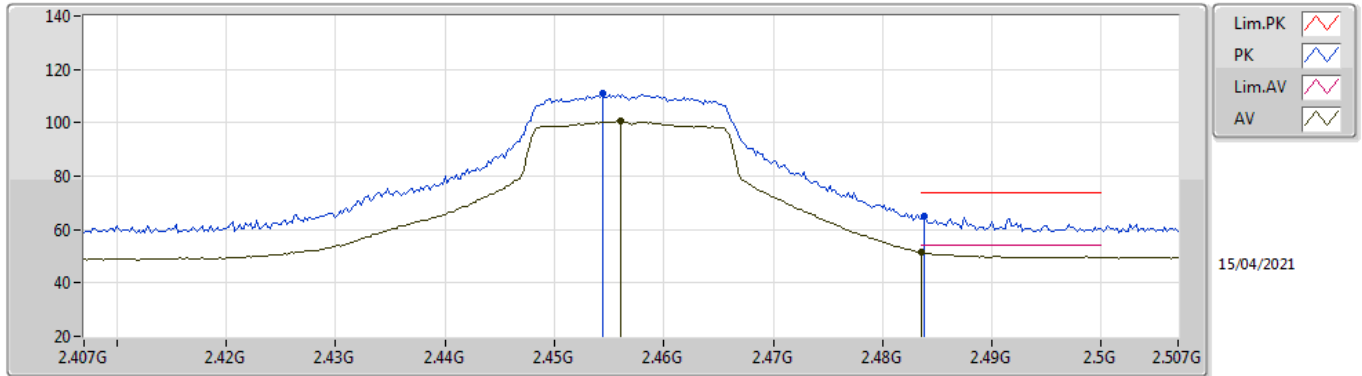
2457MHz_TX



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	90.73	Inf	-Inf	31.97	3	Vertical	158	1.59	-	58.76	27.61	4.36	-
AV	2.489G	49.01	54.00	-4.99	32.07	3	Vertical	158	1.59	-	16.94	27.68	4.39	-
PK	2.4546G	100.58	Inf	-Inf	31.96	3	Vertical	158	1.59	-	68.62	27.61	4.35	-
PK	2.4892G	61.48	74.00	-12.52	32.07	3	Vertical	158	1.59	-	29.41	27.68	4.39	-

802.11n HT20_Nss1,(MCS0)_1TX

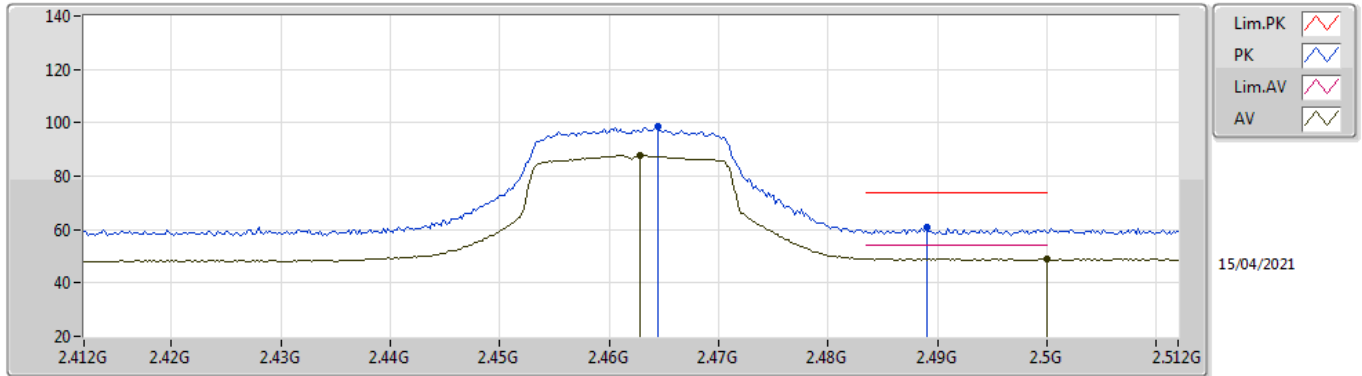
2457MHz_TX



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	2.456G	100.84	Inf	-Inf	31.97	3	Horizontal	312	1.10	-	68.87	27.61	4.36	-
AV	2.4835G	51.55	54.00	-2.45	32.05	3	Horizontal	312	1.10	-	19.50	27.67	4.38	-
PK	2.4544G	110.89	Inf	-Inf	31.96	3	Horizontal	312	1.10	-	78.93	27.61	4.35	-
PK	2.4838G	65.04	74.00	-8.96	32.05	3	Horizontal	312	1.10	-	32.99	27.67	4.38	-

802.11n HT20_Nss1,(MCS0)_1TX

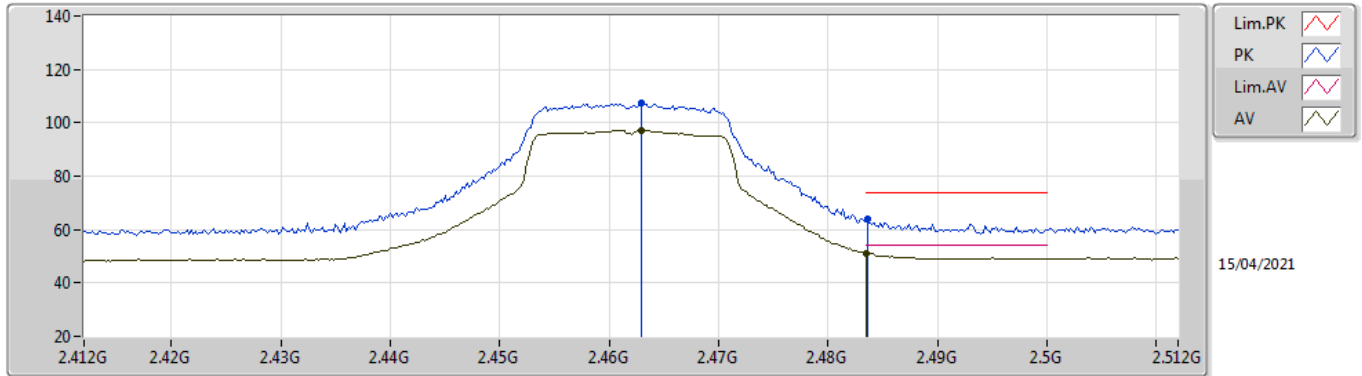
2462MHz_TX



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	87.82	Inf	-Inf	31.99	3	Vertical	144	1.74	-	55.83	27.63	4.36	-
AV	2.5G	49.05	54.00	-4.95	32.10	3	Vertical	144	1.74	-	16.95	27.70	4.40	-
PK	2.4644G	98.48	Inf	-Inf	31.99	3	Vertical	144	1.74	-	66.49	27.63	4.36	-
PK	2.489G	60.67	74.00	-13.33	32.07	3	Vertical	144	1.74	-	28.60	27.68	4.39	-

802.11n HT20_Nss1,(MCS0)_1TX

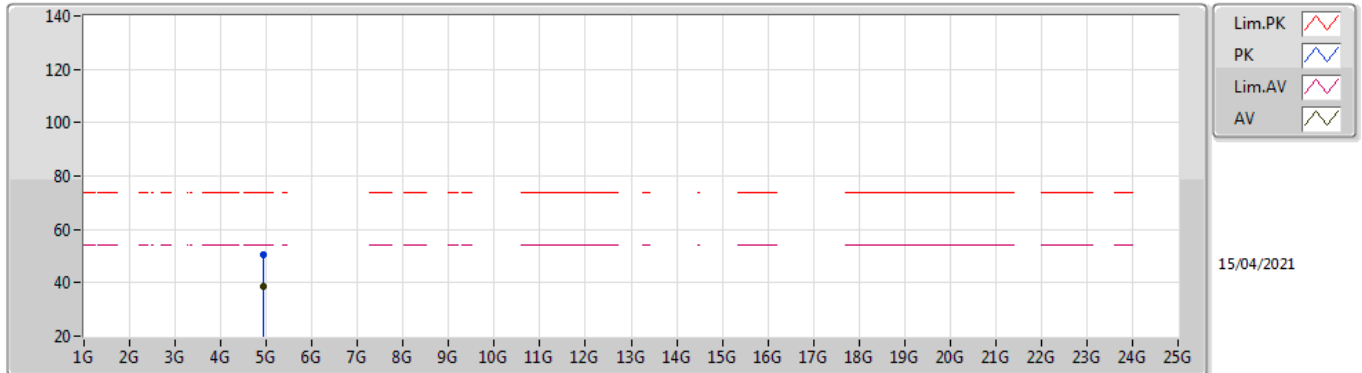
2462MHz_TX



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	2.463G	97.12	Inf	-Inf	31.99	3	Horizontal	312	1.06	-	65.13	27.63	4.36	-
AV	2.4835G	51.14	54.00	-2.86	32.05	3	Horizontal	312	1.06	-	19.09	27.67	4.38	-
PK	2.463G	107.22	Inf	-Inf	31.99	3	Horizontal	312	1.06	-	75.23	27.63	4.36	-
PK	2.4836G	63.80	74.00	-10.20	32.05	3	Horizontal	312	1.06	-	31.75	27.67	4.38	-

802.11n HT20_Nss1,(MCS0)_1TX

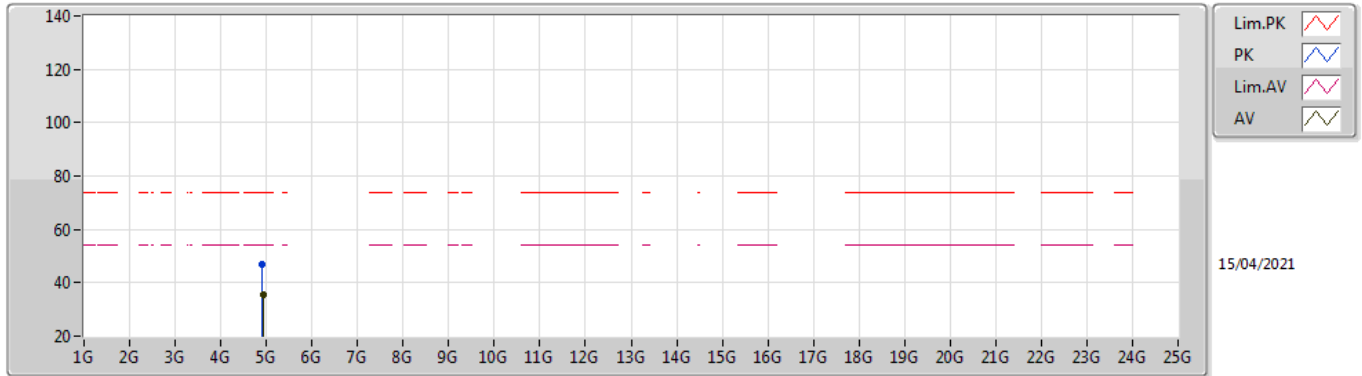
2462MHz_TX



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	4.92412G	38.39	54.00	-15.61	8.68	3	Vertical	323	1.18	-	29.71	31.25	6.62	29.19
PK	4.92004G	50.52	74.00	-23.48	8.66	3	Vertical	323	1.18	-	41.86	31.24	6.62	29.20

802.11n HT20_Nss1,(MCS0)_1TX

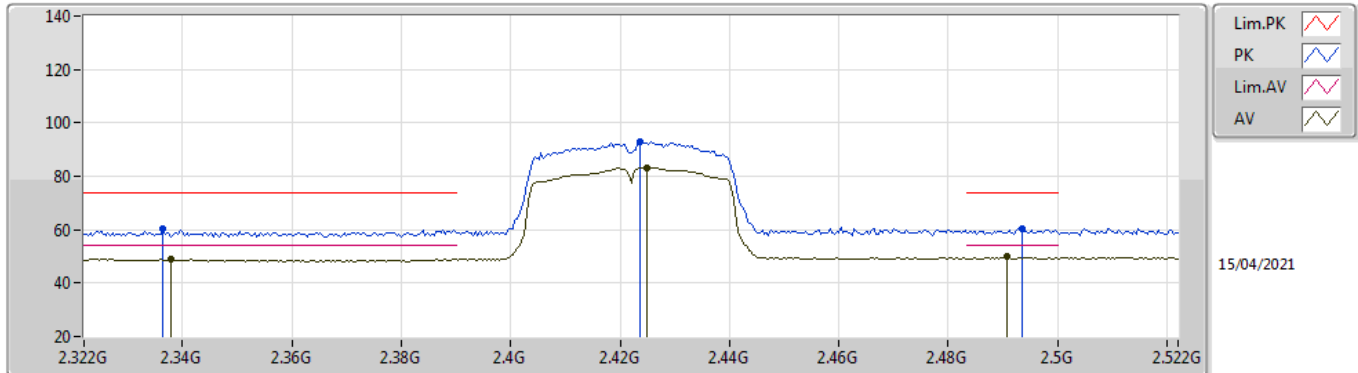
2462MHz_TX



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	4.92406G	35.66	54.00	-18.34	8.68	3	Horizontal	247	2.20	-	26.98	31.25	6.62	29.19
PK	4.91704G	46.80	74.00	-27.20	8.65	3	Horizontal	247	2.20	-	38.15	31.23	6.62	29.20

802.11n HT40_Nss1,(MCS0)_1TX

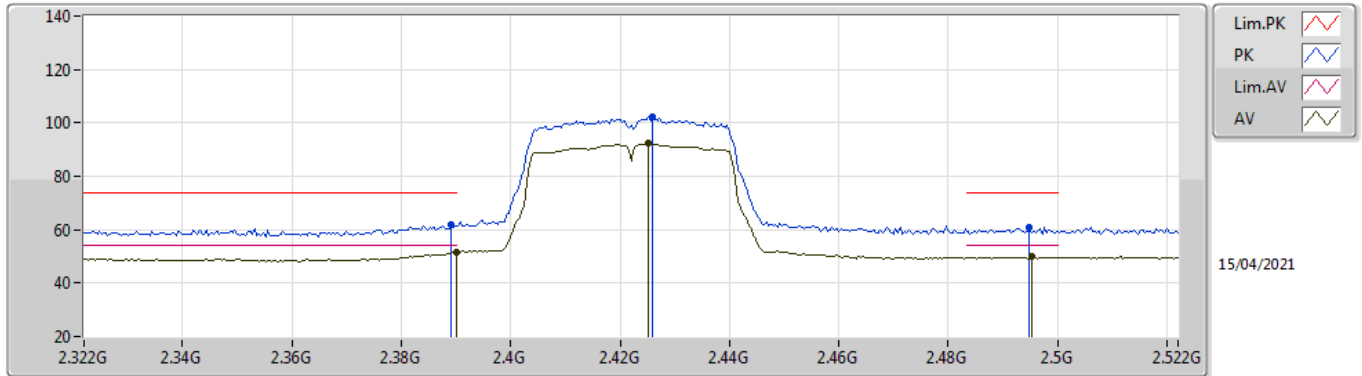
2422MHz_TX



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	2.338G	49.11	54.00	-4.89	32.06	3	Vertical	278	2.16	-	17.05	27.82	4.24	-
AV	2.4248G	83.21	Inf	-Inf	31.92	3	Vertical	278	2.16	-	51.29	27.60	4.32	-
AV	2.4908G	49.79	54.00	-4.21	32.07	3	Vertical	278	2.16	-	17.72	27.68	4.39	-
PK	2.3364G	60.43	74.00	-13.57	32.07	3	Vertical	278	2.16	-	28.36	27.83	4.24	-
PK	2.4236G	93.05	Inf	-Inf	31.92	3	Vertical	278	2.16	-	61.13	27.60	4.32	-
PK	2.4936G	60.25	74.00	-13.75	32.08	3	Vertical	278	2.16	-	28.17	27.69	4.39	-

802.11n HT40_Nss1,(MCS0)_1TX

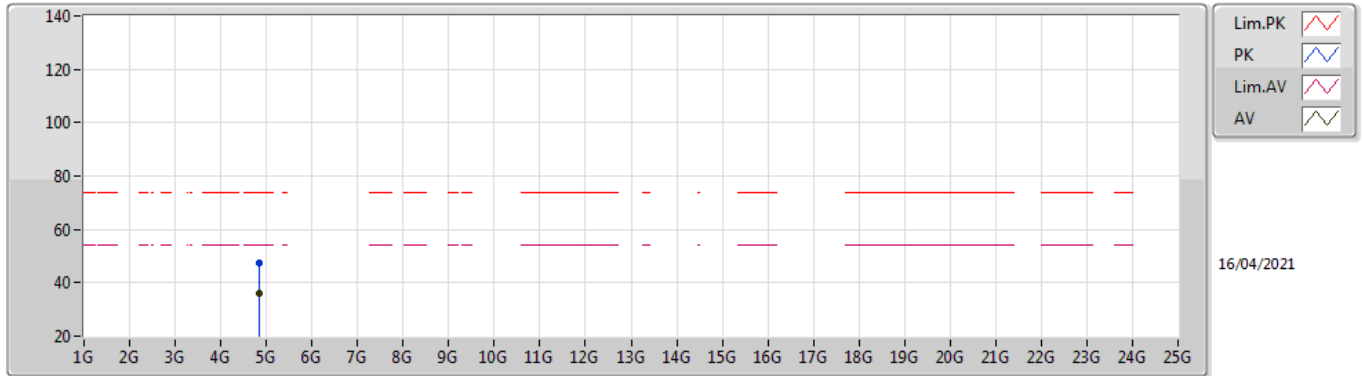
2422MHz_TX



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	51.34	54.00	-2.66	31.93	3	Horizontal	311	1.28	-	19.41	27.64	4.29	-
AV	2.4252G	92.23	Inf	-Inf	31.93	3	Horizontal	311	1.28	-	60.30	27.60	4.33	-
AV	2.4952G	49.81	54.00	-4.19	32.09	3	Horizontal	311	1.28	-	17.72	27.69	4.40	-
PK	2.3892G	61.84	74.00	-12.16	31.93	3	Horizontal	311	1.28	-	29.91	27.64	4.29	-
PK	2.426G	102.46	Inf	-Inf	31.93	3	Horizontal	311	1.28	-	70.53	27.60	4.33	-
PK	2.4948G	61.03	74.00	-12.97	32.08	3	Horizontal	311	1.28	-	28.95	27.69	4.39	-

802.11n HT40_Nss1,(MCS0)_1TX

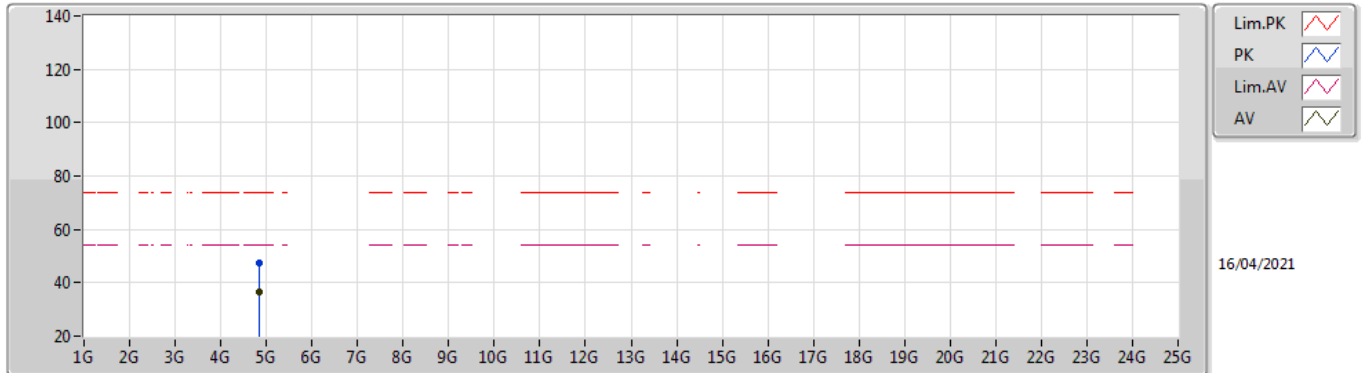
2422MHz_TX



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	4.8565G	35.91	54.00	-18.09	8.54	3	Vertical	146	1.28	-	27.37	31.20	6.56	29.22
PK	4.8534G	47.37	74.00	-26.63	8.53	3	Vertical	146	1.28	-	38.84	31.20	6.55	29.22

802.11n HT40_Nss1,(MCS0)_1TX

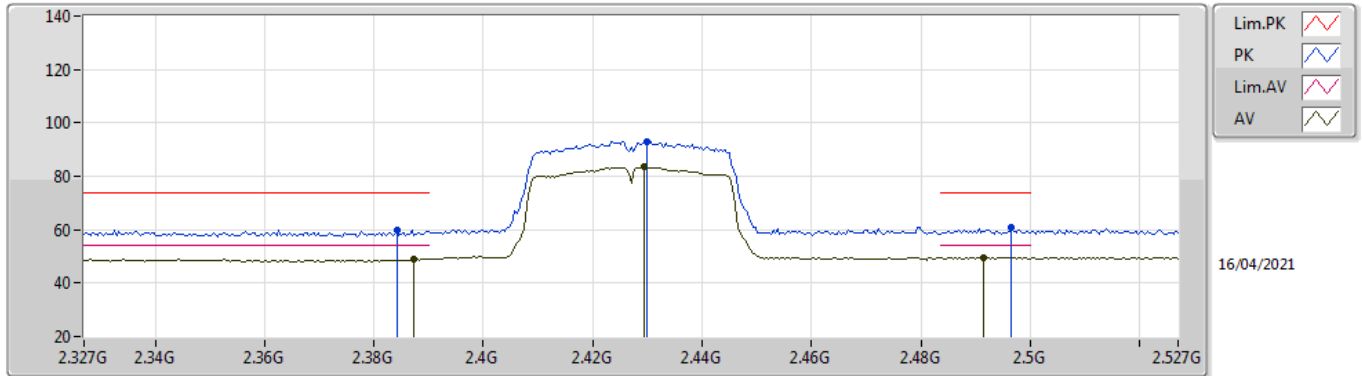
2422MHz_TX



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	4.8538G	36.46	54.00	-17.54	8.53	3	Horizontal	32	2.20	-	27.93	31.20	6.55	29.22
PK	4.8347G	47.26	74.00	-26.74	8.48	3	Horizontal	32	2.20	-	38.78	31.17	6.53	29.22

802.11n HT40_Nss1,(MCS0)_1TX

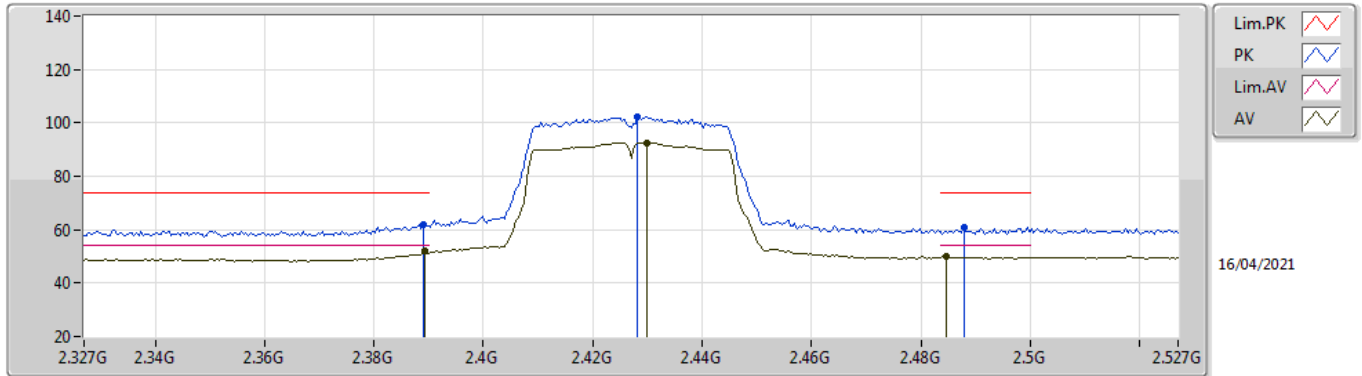
2427MHz_TX



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	2.3874G	49.18	54.00	-4.82	31.94	3	Vertical	141	1.60	-	17.24	27.65	4.29	-
AV	2.4294G	83.61	Inf	-Inf	31.93	3	Vertical	141	1.60	-	51.68	27.60	4.33	-
AV	2.4914G	49.54	54.00	-4.46	32.07	3	Vertical	141	1.60	-	17.47	27.68	4.39	-
PK	2.3842G	60.06	74.00	-13.94	31.94	3	Vertical	141	1.60	-	28.12	27.66	4.28	-
PK	2.4298G	93.14	Inf	-Inf	31.93	3	Vertical	141	1.60	-	61.21	27.60	4.33	-
PK	2.4966G	60.69	74.00	-13.31	32.09	3	Vertical	141	1.60	-	28.60	27.69	4.40	-

802.11n HT40_Nss1,(MCS0)_1TX

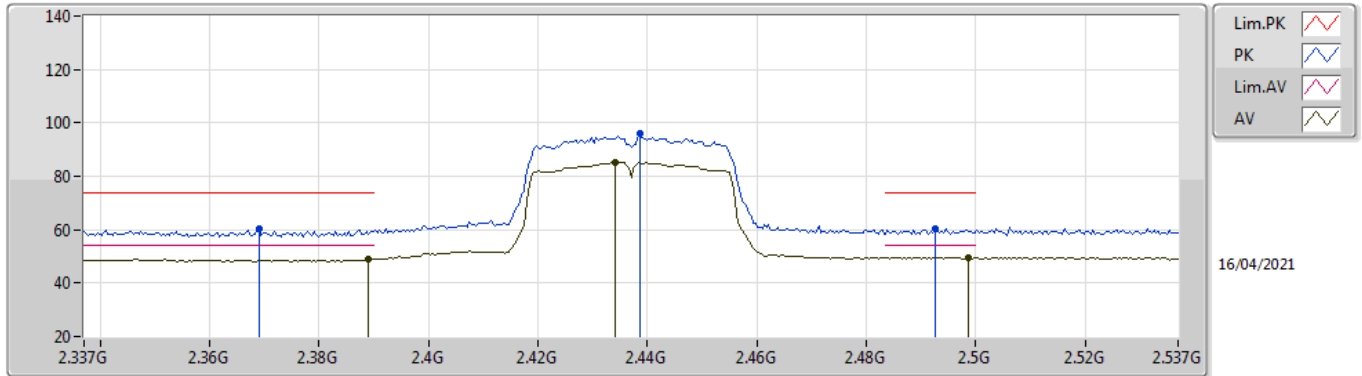
2427MHz_TX



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	51.88	54.00	-2.12	31.93	3	Horizontal	311	1.29	-	19.95	27.64	4.29	-
AV	2.4298G	92.67	Inf	-Inf	31.93	3	Horizontal	311	1.29	-	60.74	27.60	4.33	-
AV	2.4846G	50.01	54.00	-3.99	32.05	3	Horizontal	311	1.29	-	17.96	27.67	4.38	-
PK	2.389G	61.89	74.00	-12.11	31.93	3	Horizontal	311	1.29	-	29.96	27.64	4.29	-
PK	2.4282G	102.14	Inf	-Inf	31.93	3	Horizontal	311	1.29	-	70.21	27.60	4.33	-
PK	2.4878G	60.81	74.00	-13.19	32.07	3	Horizontal	311	1.29	-	28.74	27.68	4.39	-

802.11n HT40_Nss1,(MCS0)_1TX

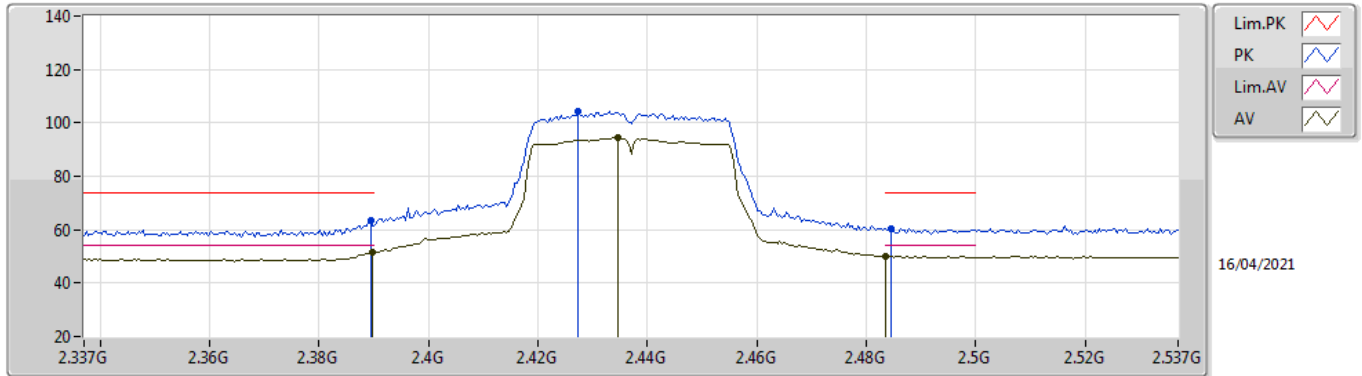
2437MHz_TX



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	2.389G	48.95	54.00	-5.05	31.93	3	Vertical	157	1.64	-	17.02	27.64	4.29	-
AV	2.4342G	85.38	Inf	-Inf	31.93	3	Vertical	157	1.64	-	53.45	27.60	4.33	-
AV	2.4986G	49.57	54.00	-4.43	32.10	3	Vertical	157	1.64	-	17.47	27.70	4.40	-
PK	2.369G	60.13	74.00	-13.87	31.99	3	Vertical	157	1.64	-	28.14	27.72	4.27	-
PK	2.4386G	95.81	Inf	-Inf	31.94	3	Vertical	157	1.64	-	63.87	27.60	4.34	-
PK	2.4926G	60.17	74.00	-13.83	32.08	3	Vertical	157	1.64	-	28.09	27.69	4.39	-

802.11n HT40_Nss1,(MCS0)_1TX

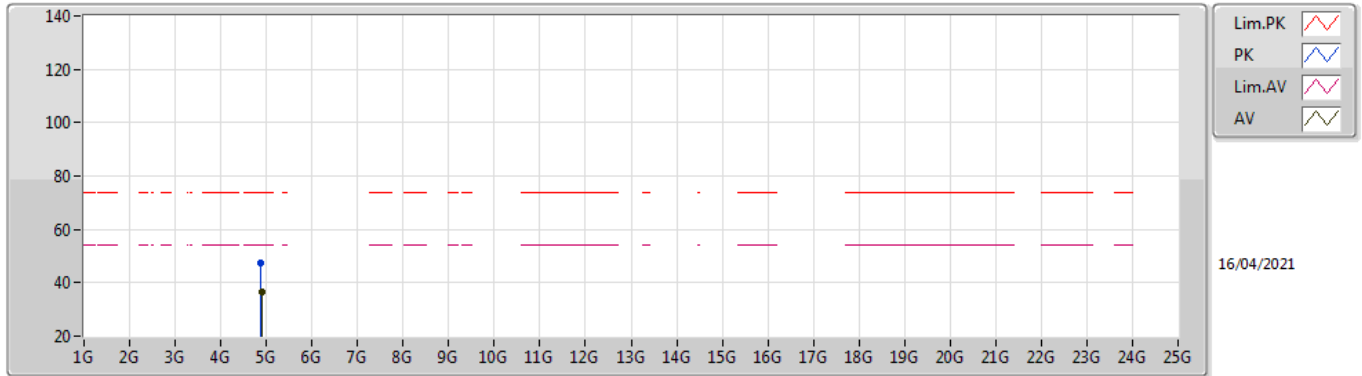
2437MHz_TX



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	2.3898G	51.33	54.00	-2.67	31.93	3	Horizontal	312	1.10	-	19.40	27.64	4.29	-
AV	2.4346G	94.70	Inf	-Inf	31.93	3	Horizontal	312	1.10	-	62.77	27.60	4.33	-
AV	2.4835G	50.24	54.00	-3.76	32.05	3	Horizontal	312	1.10	-	18.19	27.67	4.38	-
PK	2.3894G	63.70	74.00	-10.30	31.93	3	Horizontal	312	1.10	-	31.77	27.64	4.29	-
PK	2.4274G	104.53	Inf	-Inf	31.93	3	Horizontal	312	1.10	-	72.60	27.60	4.33	-
PK	2.4846G	60.57	74.00	-13.43	32.05	3	Horizontal	312	1.10	-	28.52	27.67	4.38	-

802.11n HT40_Nss1,(MCS0)_1TX

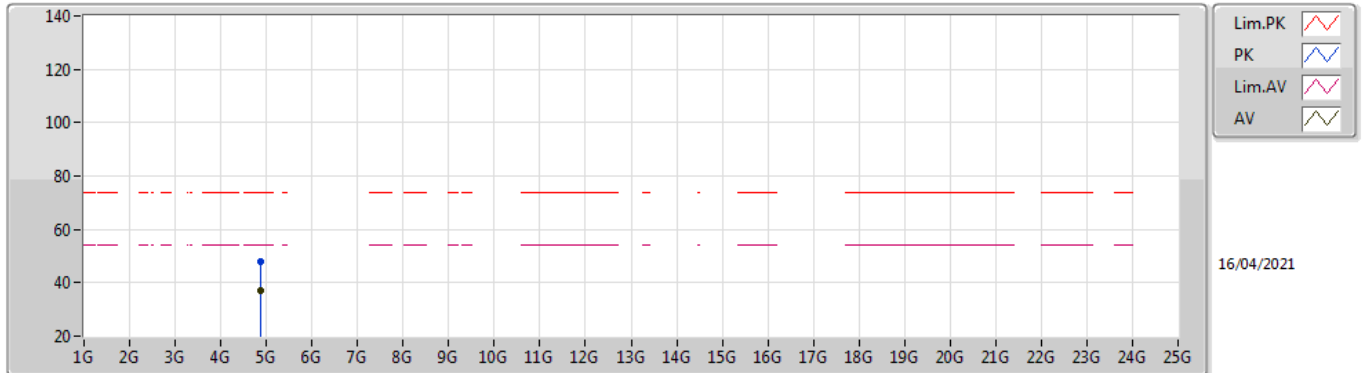
2437MHz_TX



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	4.8935G	36.31	54.00	-17.69	8.59	3	Vertical	150	1.70	-	27.72	31.20	6.59	29.20
PK	4.8711G	47.48	74.00	-26.52	8.56	3	Vertical	150	1.70	-	38.92	31.20	6.57	29.21

802.11n HT40_Nss1,(MCS0)_1TX

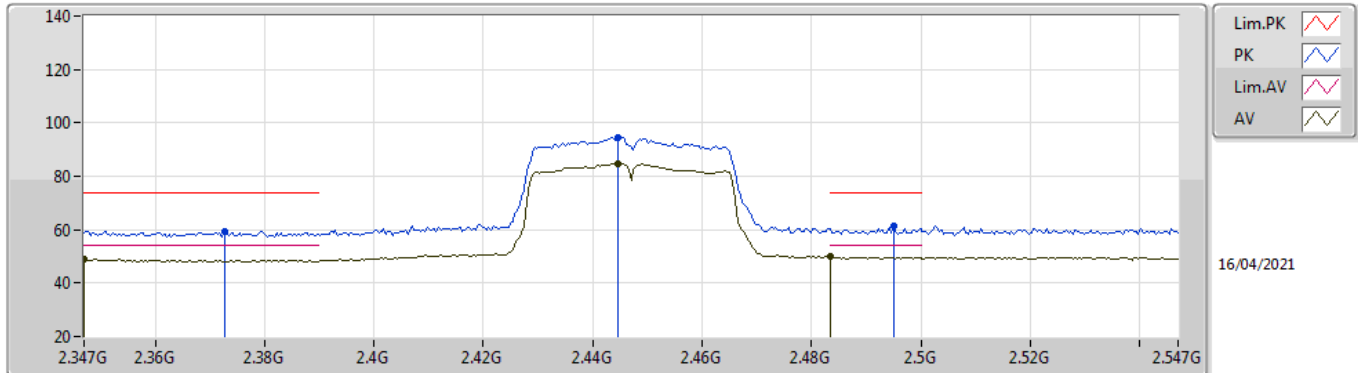
2437MHz_TX



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	4.8739G	37.25	54.00	-16.75	8.56	3	Horizontal	265	2.44	-	28.69	31.20	6.57	29.21
PK	4.8721G	48.11	74.00	-25.89	8.56	3	Horizontal	265	2.44	-	39.55	31.20	6.57	29.21

802.11n HT40_Nss1,(MCS0)_1TX

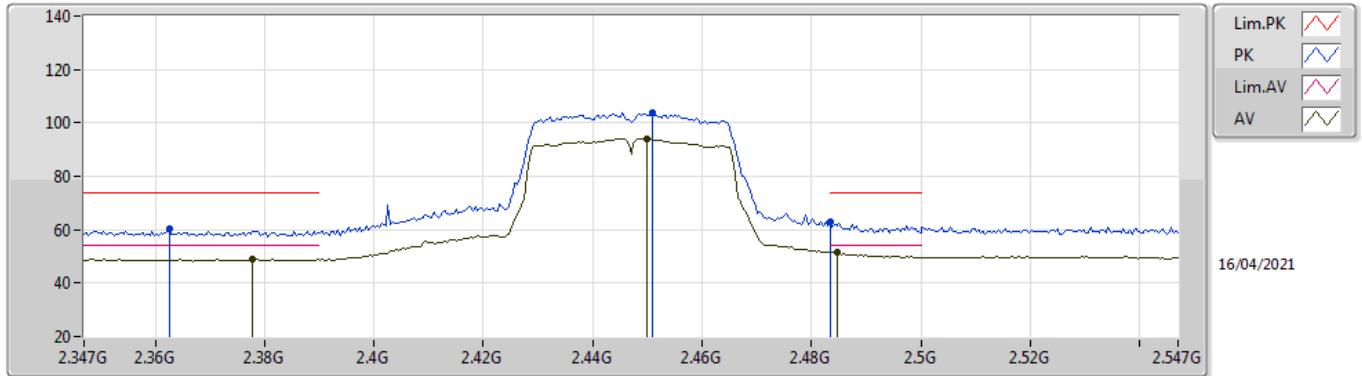
2447MHz_TX



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	2.347G	48.79	54.00	-5.21	32.06	3	Vertical	159	1.66	-	16.73	27.81	4.25	-
AV	2.4446G	84.80	Inf	-Inf	31.94	3	Vertical	159	1.66	-	52.86	27.60	4.34	-
AV	2.4835G	49.76	54.00	-4.24	32.05	3	Vertical	159	1.66	-	17.71	27.67	4.38	-
PK	2.3726G	59.42	74.00	-14.58	31.98	3	Vertical	159	1.66	-	27.44	27.71	4.27	-
PK	2.4446G	94.73	Inf	-Inf	31.94	3	Vertical	159	1.66	-	62.79	27.60	4.34	-
PK	2.495G	61.62	74.00	-12.38	32.08	3	Vertical	159	1.66	-	29.54	27.69	4.39	-

802.11n HT40_Nss1,(MCS0)_1TX

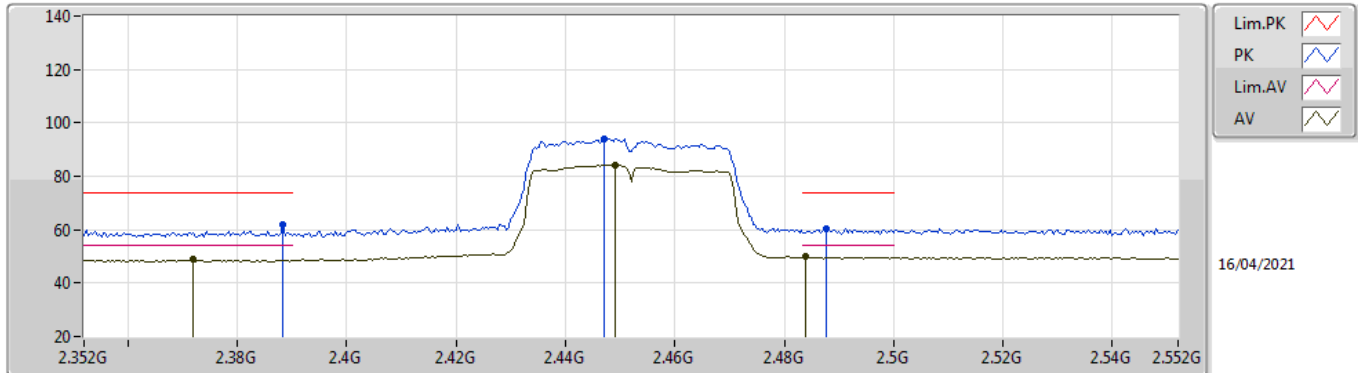
2447MHz_TX



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	2.3778G	48.91	54.00	-5.09	31.97	3	Horizontal	312	1.23	-	16.94	27.69	4.28	-
AV	2.4498G	94.20	Inf	-Inf	31.95	3	Horizontal	312	1.23	-	62.25	27.60	4.35	-
AV	2.4846G	51.75	54.00	-2.25	32.05	3	Horizontal	312	1.23	-	19.70	27.67	4.38	-
PK	2.3626G	60.39	74.00	-13.61	32.01	3	Horizontal	312	1.23	-	28.38	27.75	4.26	-
PK	2.451G	103.99	Inf	-Inf	31.95	3	Horizontal	312	1.23	-	72.04	27.60	4.35	-
PK	2.4835G	63.14	74.00	-10.86	32.05	3	Horizontal	312	1.23	-	31.09	27.67	4.38	-

802.11n HT40_Nss1,(MCS0)_1TX

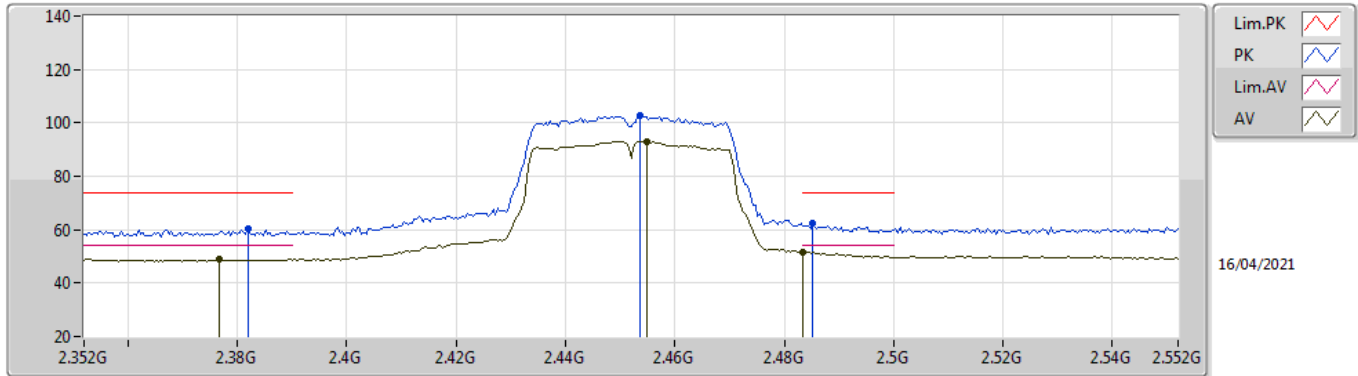
2452MHz_TX



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	2.372G	48.90	54.00	-5.10	31.98	3	Vertical	158	1.66	-	16.92	27.71	4.27	-
AV	2.4492G	84.32	Inf	-Inf	31.95	3	Vertical	158	1.66	-	52.37	27.60	4.35	-
AV	2.484G	49.76	54.00	-4.24	32.05	3	Vertical	158	1.66	-	17.71	27.67	4.38	-
PK	2.3884G	62.06	74.00	-11.94	31.94	3	Vertical	158	1.66	-	30.12	27.65	4.29	-
PK	2.4472G	94.16	Inf	-Inf	31.95	3	Vertical	158	1.66	-	62.21	27.60	4.35	-
PK	2.4876G	60.23	74.00	-13.77	32.07	3	Vertical	158	1.66	-	28.16	27.68	4.39	-

802.11n HT40_Nss1,(MCS0)_1TX

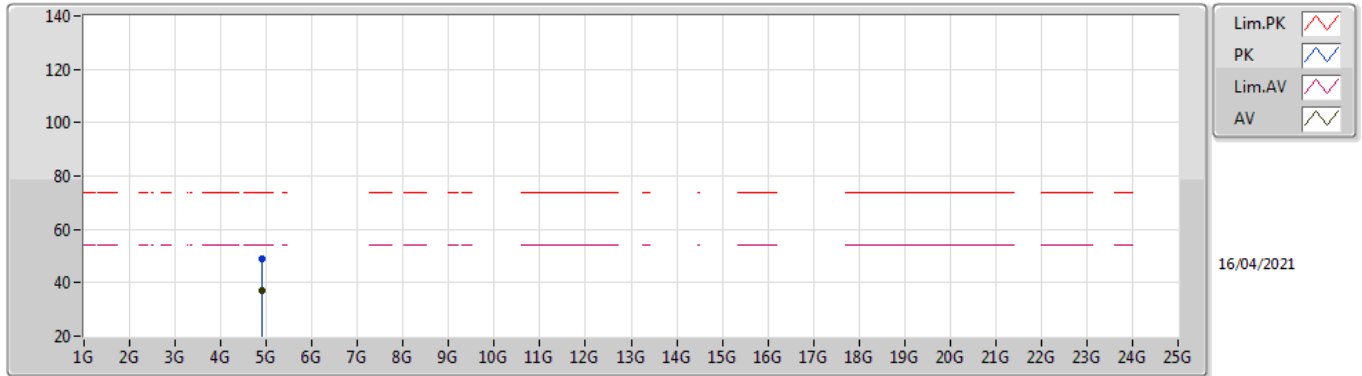
2452MHz_TX



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	2.3768G	48.91	54.00	-5.09	31.97	3	Horizontal	310	1.05	-	16.94	27.69	4.28	-
AV	2.4548G	93.17	Inf	-Inf	31.96	3	Horizontal	310	1.05	-	61.21	27.61	4.35	-
AV	2.4835G	51.55	54.00	-2.45	32.05	3	Horizontal	310	1.05	-	19.50	27.67	4.38	-
PK	2.382G	60.20	74.00	-13.80	31.95	3	Horizontal	310	1.05	-	28.25	27.67	4.28	-
PK	2.4536G	102.66	Inf	-Inf	31.96	3	Horizontal	310	1.05	-	70.70	27.61	4.35	-
PK	2.4852G	62.44	74.00	-11.56	32.06	3	Horizontal	310	1.05	-	30.38	27.67	4.39	-

802.11n HT40_Nss1,(MCS0)_1TX

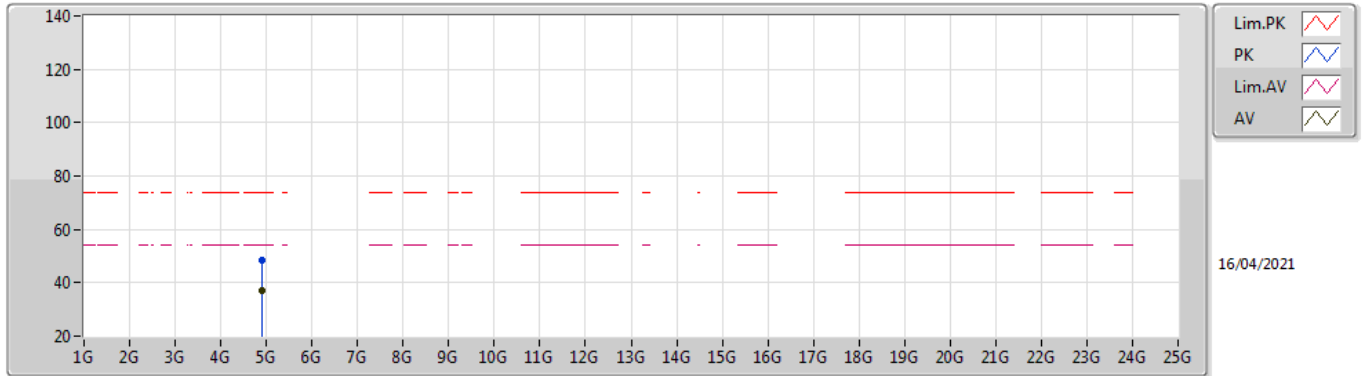
2452MHz_TX



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	4.8951G	36.98	54.00	-17.02	8.60	3	Vertical	327	1.18	-	28.38	31.20	6.60	29.20
PK	4.912G	48.93	74.00	-25.07	8.63	3	Vertical	327	1.18	-	40.30	31.22	6.61	29.20

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_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	4.9138G	37.31	54.00	-16.69	8.64	3	Horizontal	35	1.73	-	28.67	31.23	6.61	29.20
PK	4.9104G	48.41	74.00	-25.59	8.63	3	Horizontal	35	1.73	-	39.78	31.22	6.61	29.20

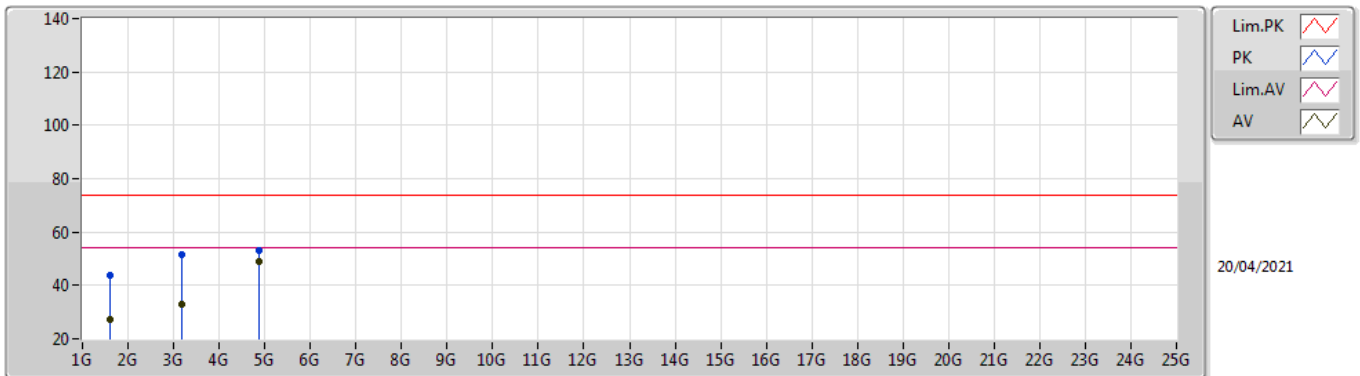
**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	4.87399G	48.99	54.00	-5.01	Vertical

Mode Configure

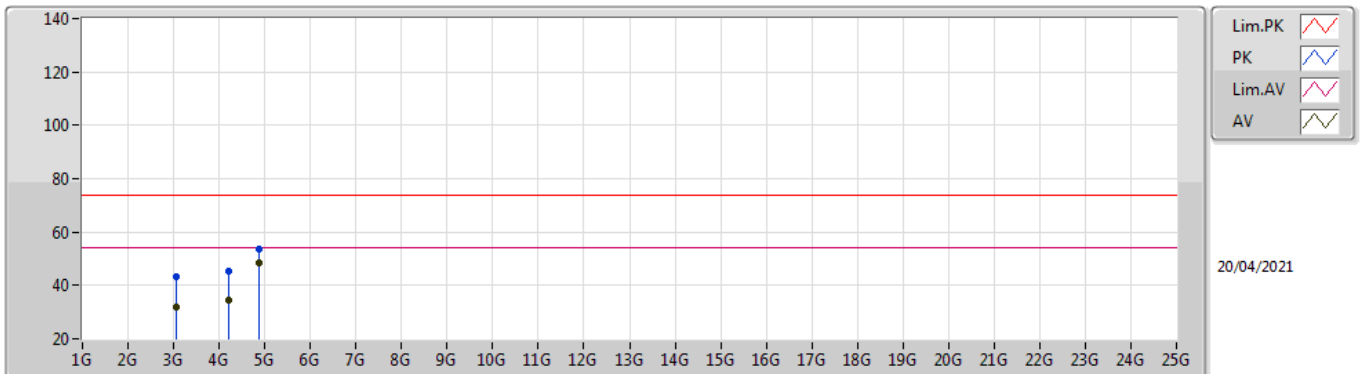
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	1.594G	27.48	54.00	-26.52	-2.35	3	Vertical	360	1.00	-
Mode 1	Pass	AV	3.178G	32.86	54.00	-21.14	4.28	3	Vertical	360	1.00	-
Mode 1	Pass	AV	4.87399G	48.99	54.00	-5.01	8.56	3	Vertical	312	1.27	-
Mode 1	Pass	PK	1.594G	43.68	74.00	-30.32	-2.35	3	Vertical	360	1.00	-
Mode 1	Pass	PK	3.178G	51.32	74.00	-22.68	4.28	3	Vertical	360	1.00	-
Mode 1	Pass	PK	4.87406G	53.29	74.00	-20.71	8.56	3	Vertical	312	1.27	-
Mode 1	Pass	AV	3.052G	32.13	54.00	-21.87	3.74	3	Horizontal	0	1.00	-
Mode 1	Pass	AV	4.222G	34.53	54.00	-19.47	6.72	3	Horizontal	0	1.00	-
Mode 1	Pass	AV	4.874G	48.19	54.00	-5.81	8.56	3	Horizontal	341	2.32	-
Mode 1	Pass	PK	3.052G	43.35	74.00	-30.65	3.74	3	Horizontal	0	1.00	-
Mode 1	Pass	PK	4.222G	45.39	74.00	-28.61	6.72	3	Horizontal	0	1.00	-
Mode 1	Pass	PK	4.87402G	53.73	74.00	-20.27	8.56	3	Horizontal	341	2.32	-

Radiated Emissions above 1GHz_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	1.594G	27.48	54.00	-26.52	-2.35	3	Vertical	360	1.00	-	29.83	25.04	3.39	30.78
AV	3.178G	32.86	54.00	-21.14	4.28	3	Vertical	360	1.00	-	28.58	28.90	5.18	29.80
AV	4.87399G	48.99	54.00	-5.01	8.56	3	Vertical	312	1.27	-	40.43	31.20	6.57	29.21
PK	1.594G	43.68	74.00	-30.32	-2.35	3	Vertical	360	1.00	-	46.03	25.04	3.39	30.78
PK	3.178G	51.32	74.00	-22.68	4.28	3	Vertical	360	1.00	-	47.04	28.90	5.18	29.80
PK	4.87406G	53.29	74.00	-20.71	8.56	3	Vertical	312	1.27	-	44.73	31.20	6.57	29.21

Radiated Emissions above 1GHz_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	3.052G	32.13	54.00	-21.87	3.74	3	Horizontal	0	1.00	-	28.39	28.51	5.05	29.82
AV	4.222G	34.53	54.00	-19.47	6.72	3	Horizontal	0	1.00	-	27.81	29.94	6.12	29.34
AV	4.874G	48.19	54.00	-5.81	8.56	3	Horizontal	341	2.32	-	39.63	31.20	6.57	29.21
PK	3.052G	43.35	74.00	-30.65	3.74	3	Horizontal	0	1.00	-	39.61	28.51	5.05	29.82
PK	4.222G	45.39	74.00	-28.61	6.72	3	Horizontal	0	1.00	-	38.67	29.94	6.12	29.34
PK	4.87402G	53.73	74.00	-20.27	8.56	3	Horizontal	341	2.32	-	45.17	31.20	6.57	29.21