

FCC Radio Test Report

FCC ID : RC6-API51X
Equipment : 2x2 802.11ax Ruggedized AP
Brand Name : Amigo
Model Name : API51X
Applicant : Amigo Technology Inc.
No.82, Gongye 2nd Road., Annan Dist.,
Tainan City 709, Taiwan
Manufacturer : Amigo Technology Inc.
No.82, Gongye 2nd Road., Annan Dist.,
Tainan City 709, Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Mar. 13, 2021, and testing was started from May 25, 2021 and completed on Jun. 12, 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
FR0N1612-01AC	01	Initial issue of report	Dec. 03, 2021

Summary of Test Result

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

Declaration of Conformity:

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

Comments and explanations:

None

Reviewed by: Ben Tseng

Report Producer: Jenny Yang

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), VHT20, ax(HEW20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40, ax(HEW40)	2422-2452	3-9 [7]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11ax HEW20	20	2TX
2.4-2.4835GHz	802.11ax HEW40	40	2TX

Note:

- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	MasterWave	98615MNXX003	Omni	N-type
2	MasterWave	98615MNXX003	Omni	N-type
3	MasterWave	98615UNXX005	Omni	N-type
4	MasterWave	98615UNXX005	Omni	N-type
5	LYNwave	ALA150-05102C-00	PCB	I-Pex

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	1	5.0	-	-
2	2	5.0	-	-
3	1	-	7.0	-
4	2	-	7.0	-
5	1	-	-	6.0

Note 1: The EUT has five antennas.

For 2.4GHz function:

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

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

For BT function:

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

Ant. 5 (port 1) can be used as transmitting/receiving antenna.

For 5GHz function:

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

Ant. 3 (port 1) and Ant. 4 (port 2) could transmit/receive simultaneously.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From PoE			
EUT Function	☒	Point-to-multipoint	☐	Point-to-point
Beamforming Function	☐	With beamforming	☒	Without beamforming
Type of EUT				
☒	Stand-alone			
☐	Combined (EUT where the radio part is fully integrated within another device)			
	Combined Equipment - Brand Name / Model No.:		...	
☐	Plug-in radio (EUT intended for a variety of host systems)			
	Host System - Brand Name / Model No.:		...	
☐	Other:			

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b_Nss1,(1Mbps)_2TX	0.99	0.04	n/a (DC≥0.98)	n/a (DC≥0.98)
802.11g_Nss1,(6Mbps)_2TX	0.953	0.21	1.978m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.964	0.16	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_2TX	0.95	0.22	5.446m	300

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

1.2 Testing Applied Standards

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

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

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

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

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.) TEL: 886-3-327-3456 FAX: 886-3-327-0973			
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Edward Wang	23.1~23.6°C / 56~60%	25/May/2021
RF Conducted	TH06-HY	Johnny Yu	20.1~26.9°C / 50~60%	11/Jun/2021~12/Jun/2021
Radiated	03CH02-HY	Lego Lin	21.7~25.6°C / 56~60%	26/May/2021~31/May/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	QSPR
Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	24.5
2417MHz	25.5
2437MHz	25.5
2457MHz	25
2462MHz	24
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	17
2417MHz	22.5
2437MHz	25.5
2457MHz	22.5
2462MHz	16.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	20.5
2417MHz	23
2437MHz	26.5
2457MHz	22
2462MHz	19.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	16
2427MHz	17
2437MHz	17.5
2447MHz	15.5
2452MHz	15

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	PoE mode

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

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



2.3 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	PoE	Powertron Electronics Corp	POE1024-480T3A050	-	Note 1
2	AC Power Cable	-	-	-	Note 1
3	RJ-45 Cable	Power sync	CAT-6E-10	-	-
4	Ground cable	-	-	-	-

Note 1: Provided by Customer.

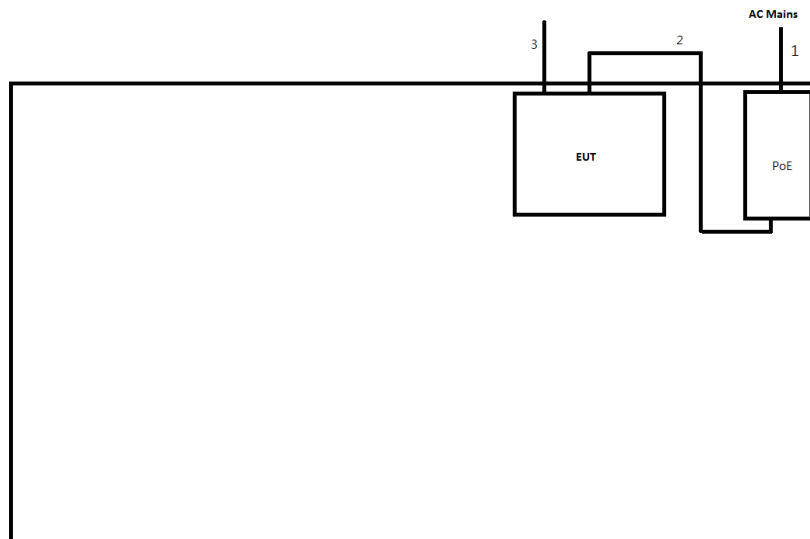
Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-

Support Equipment –Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	PoE	Powertron Electronics Corp	POE1024-480T3A050	-	Note 1
2	AC Power Cable	-	-	-	Note 1
3	RJ-45 Cable	Power sync	CAT-6E-10	-	-
4	Ground cable	-	-	-	-

Note 1: Provided by Customer.

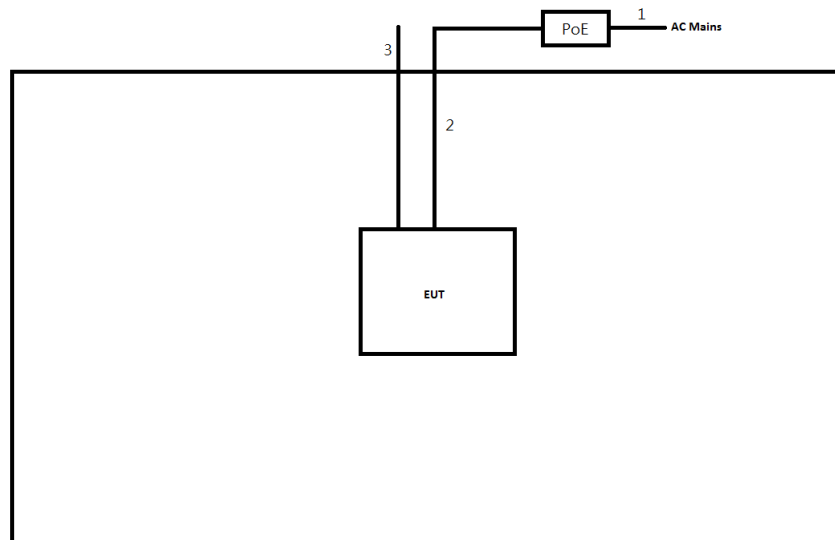
2.4 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	RJ45 cable	No	10.0	-
3	Ground cable	No	5	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	RJ45 cable	No	10.0	-
3	Ground cable	No	5	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

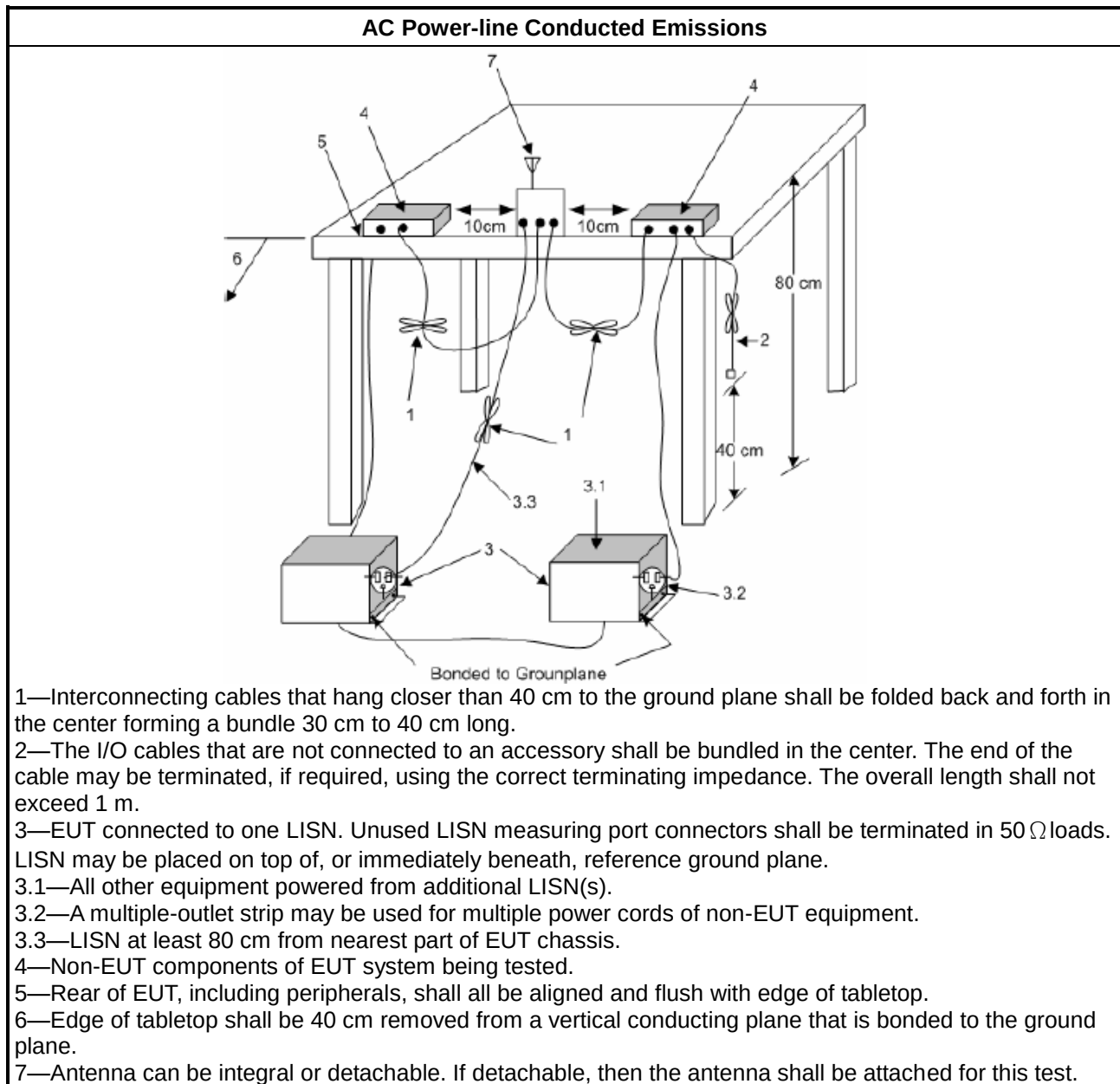
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 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.

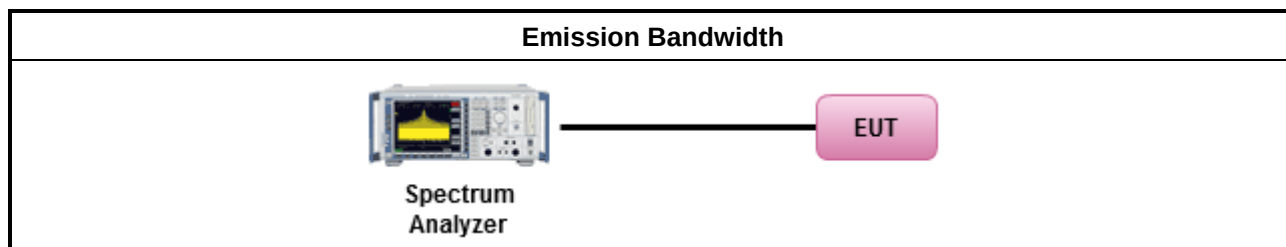
3.2.2 Measuring Instruments

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.		

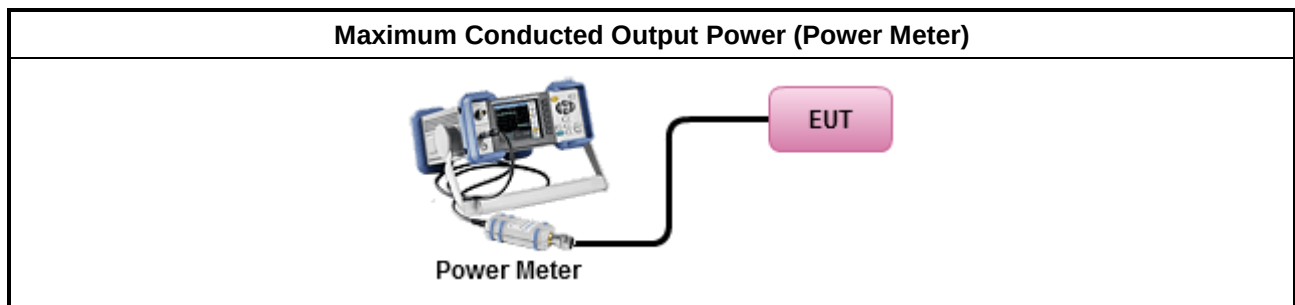
3.3.2 Measuring Instruments

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) $\leq$ 8 dBm/3kHz

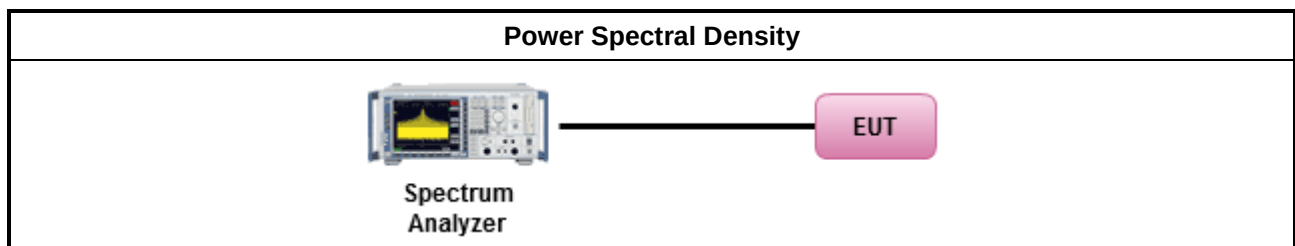
3.4.2 Measuring Instruments

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.	

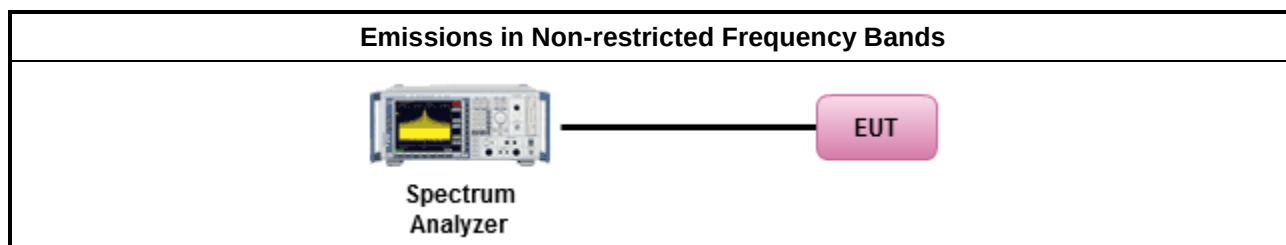
3.5.2 Measuring Instruments

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

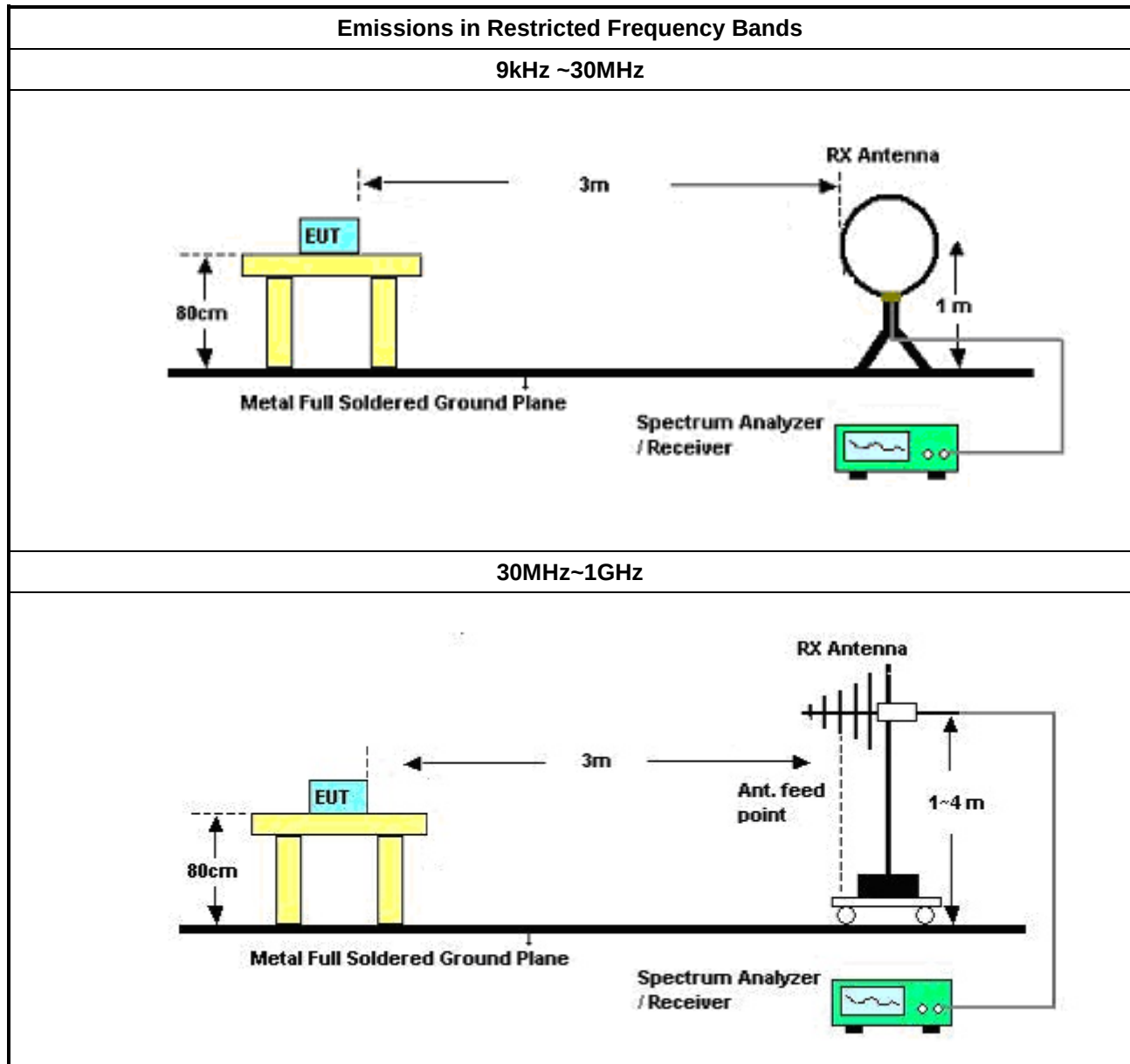
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted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

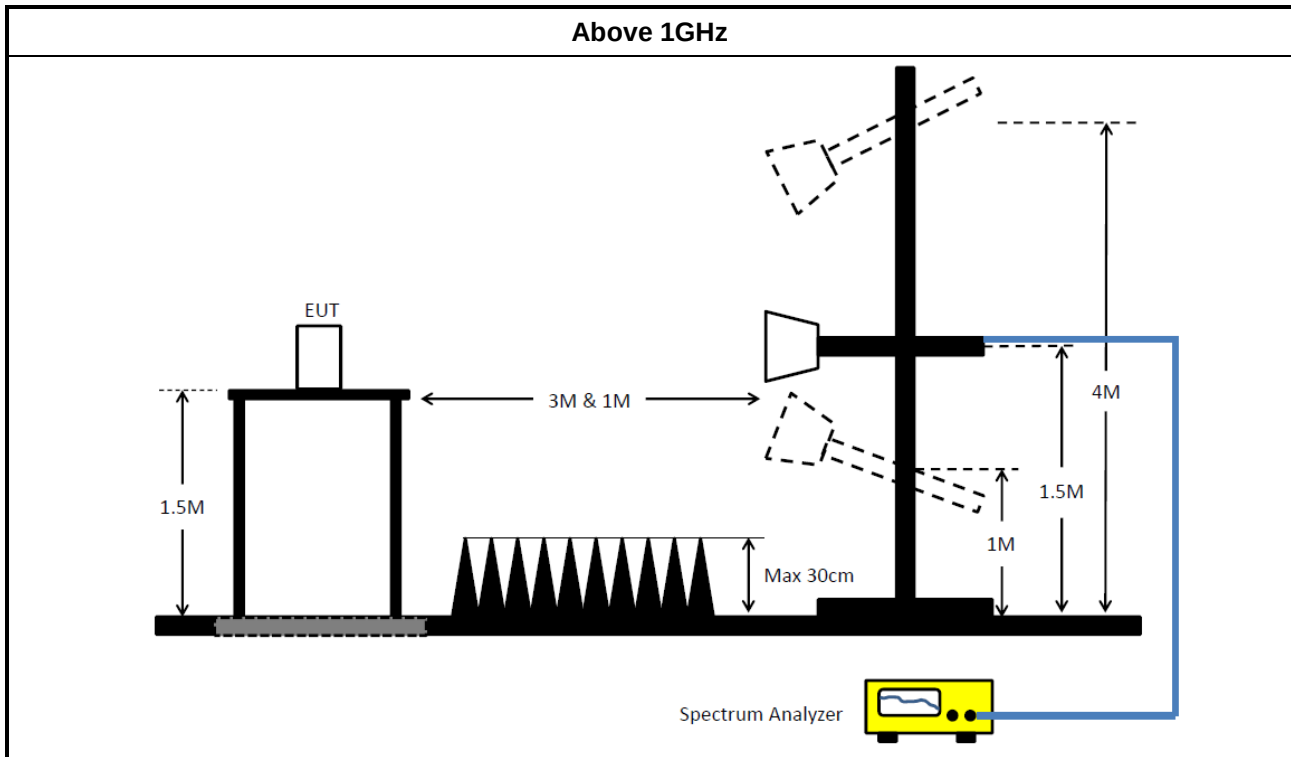
3.6.4 Measurement Results Calculation

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 Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	21/Sep/2020	20/Sep/2021

Instrument for Conducted Test

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

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	04/Aug/2020	03/Aug/2021
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	02/Aug/2020	01/Aug/2021
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	12/Mar/2021	11/Mar/2022
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	30/Jun/2020	29/Jun/2021
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	23/Oct/2020	22/Oct/2021
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	06/Sep/2020	05/Sep/2021
Double Ridged Guide Horn Antenna	SCHWARZBEC	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	09/Jun/2020	08/Jun/2021
RF Cable	MVE	400LL	MVE-1-0802	9kHz~30MHz	05/May/2021	04/May/2022
RF Cable	MVE	400LL	MVE-1-0802	30MHz~1GHz	05/May/2021	04/May/2022
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	06/Apr/2021	05/Apr/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	11/Mar/2021	10/Mar/2022
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2021	15/Mar/2022
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	21/May/2021	20/May/2022



Conducted Emissions at Powerline

Appendix A

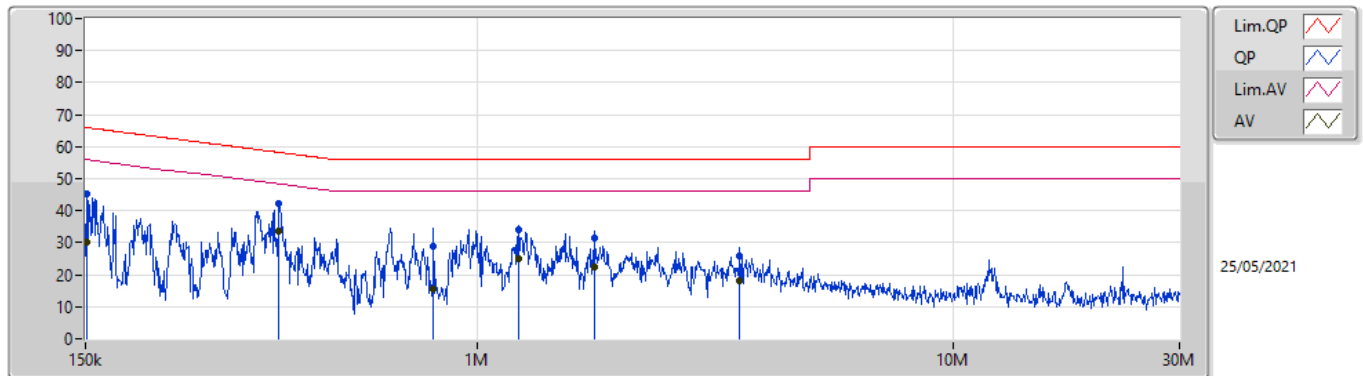
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	384.811k	33.70	48.18	-14.48	Neutral

Result

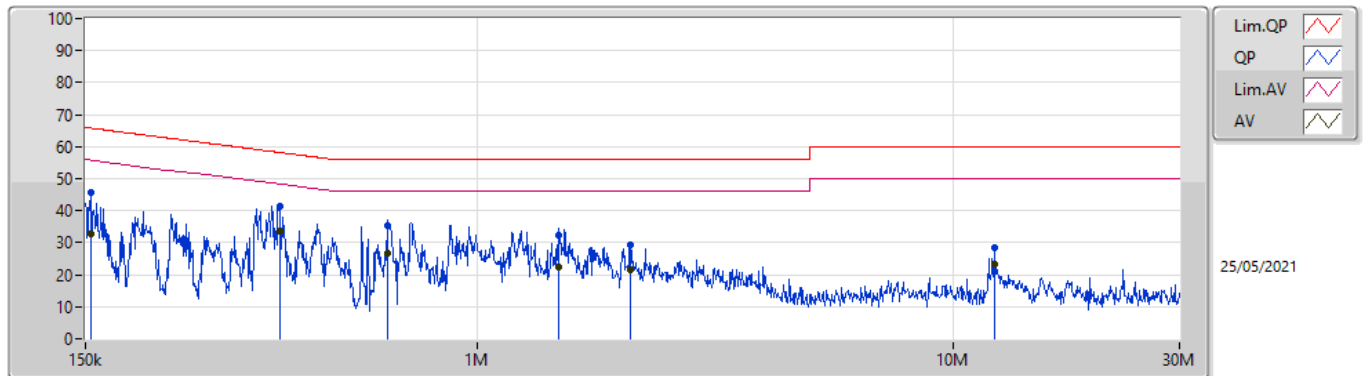
Mode	Result	Type	Freq (Hz)	Level (dBUV)	Limit (dBUV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	150.6k	45.14	65.96	-20.82	Line	-
Mode 1	Pass	AV	150.6k	30.27	55.96	-25.69	Line	-
Mode 1	Pass	QP	383.278k	42.12	58.20	-16.08	Line	-
Mode 1	Pass	AV	383.278k	33.57	48.20	-14.63	Line	-
Mode 1	Pass	QP	808.571k	28.85	56.00	-27.15	Line	-
Mode 1	Pass	AV	808.571k	15.44	46.00	-30.56	Line	-
Mode 1	Pass	QP	1.22M	34.13	56.00	-21.87	Line	-
Mode 1	Pass	AV	1.22M	24.83	46.00	-21.17	Line	-
Mode 1	Pass	QP	1.761M	31.32	56.00	-24.68	Line	-
Mode 1	Pass	AV	1.761M	22.52	46.00	-23.48	Line	-
Mode 1	Pass	QP	3.57M	25.68	56.00	-30.32	Line	-
Mode 1	Pass	AV	3.57M	17.94	46.00	-28.06	Line	-
Mode 1	Pass	QP	153.636k	45.76	65.81	-20.05	Neutral	-
Mode 1	Pass	AV	153.636k	32.80	55.81	-23.01	Neutral	-
Mode 1	Pass	QP	384.811k	41.49	58.18	-16.69	Neutral	-
Mode 1	Pass	AV	384.811k	33.70	48.18	-14.48	Neutral	-
Mode 1	Pass	QP	646.592k	35.18	56.00	-20.82	Neutral	-
Mode 1	Pass	AV	646.592k	26.62	46.00	-19.38	Neutral	-
Mode 1	Pass	QP	1.483M	32.49	56.00	-23.51	Neutral	-
Mode 1	Pass	AV	1.483M	22.44	46.00	-23.56	Neutral	-
Mode 1	Pass	QP	2.099M	29.39	56.00	-26.61	Neutral	-
Mode 1	Pass	AV	2.099M	21.56	46.00	-24.44	Neutral	-
Mode 1	Pass	QP	12.257M	28.30	60.00	-31.70	Neutral	-
Mode 1	Pass	AV	12.257M	23.08	50.00	-26.92	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150.6k	45.14	65.96	-20.82	19.63	Line	-	25.51	9.69	0.04	9.90			
AV	150.6k	30.27	55.96	-25.69	19.63	Line	-	10.64	9.69	0.04	9.90			
QP	383.278k	42.12	58.20	-16.08	19.63	Line	-	22.49	9.67	0.06	9.90			
AV	383.278k	33.57	48.20	-14.63	19.63	Line	-	13.94	9.67	0.06	9.90			
QP	808.571k	28.85	56.00	-27.15	19.57	Line	-	9.28	9.67	0.08	9.82			
AV	808.571k	15.44	46.00	-30.56	19.57	Line	-	-4.13	9.67	0.08	9.82			
QP	1.22M	34.13	56.00	-21.87	19.56	Line	-	14.57	9.67	0.09	9.80			
AV	1.22M	24.83	46.00	-21.17	19.56	Line	-	5.27	9.67	0.09	9.80			
QP	1.761M	31.32	56.00	-24.68	19.58	Line	-	11.74	9.68	0.10	9.80			
AV	1.761M	22.52	46.00	-23.48	19.58	Line	-	2.94	9.68	0.10	9.80			
QP	3.57M	25.68	56.00	-30.32	19.70	Line	-	5.98	9.69	0.13	9.88			
AV	3.57M	17.94	46.00	-28.06	19.70	Line	-	-1.76	9.69	0.13	9.88			

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	153.636k	45.76	65.81	-20.05	19.63	Neutral	-	26.13	9.69	0.04	9.90			
AV	153.636k	32.80	55.81	-23.01	19.63	Neutral	-	13.17	9.69	0.04	9.90			
QP	384.811k	41.49	58.18	-16.69	19.63	Neutral	-	21.86	9.67	0.06	9.90			
AV	384.811k	33.70	48.18	-14.48	19.63	Neutral	-	14.07	9.67	0.06	9.90			
QP	646.592k	35.18	56.00	-20.82	19.59	Neutral	-	15.59	9.67	0.07	9.85			
AV	646.592k	26.62	46.00	-19.38	19.59	Neutral	-	7.03	9.67	0.07	9.85			
QP	1.483M	32.49	56.00	-23.51	19.57	Neutral	-	12.92	9.68	0.09	9.80			
AV	1.483M	22.44	46.00	-23.56	19.57	Neutral	-	2.87	9.68	0.09	9.80			
QP	2.099M	29.39	56.00	-26.61	19.59	Neutral	-	9.80	9.68	0.10	9.81			
AV	2.099M	21.56	46.00	-24.44	19.59	Neutral	-	1.97	9.68	0.10	9.81			
QP	12.257M	28.30	60.00	-31.70	19.86	Neutral	-	8.44	9.74	0.22	9.90			
AV	12.257M	23.08	50.00	-26.92	19.86	Neutral	-	3.22	9.74	0.22	9.90			

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.6M	12.944M	12M9G1D	7.1M	12.769M
802.11g_Nss1,(6Mbps)_2TX	16.275M	16.567M	16M6D1D	15.425M	16.417M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.575M	19.065M	19M1D1D	16.975M	18.941M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.7M	37.981M	38M0D1D	36.4M	37.831M

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

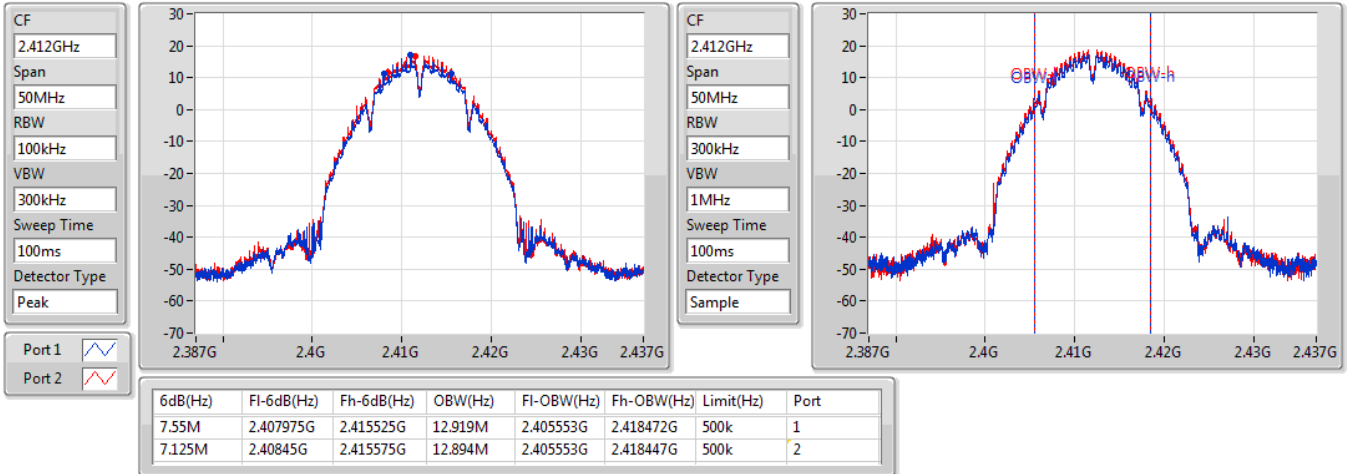
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.55M	12.919M	7.125M	12.894M
2437MHz	Pass	500k	7.575M	12.944M	7.6M	12.769M
2462MHz	Pass	500k	7.575M	12.919M	7.1M	12.869M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.625M	16.417M	15.425M	16.467M
2437MHz	Pass	500k	15.5M	16.417M	16.275M	16.567M
2462MHz	Pass	500k	15.75M	16.442M	16.275M	16.442M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.25M	18.991M	18.275M	18.966M
2437MHz	Pass	500k	18.025M	18.991M	18.575M	19.065M
2462MHz	Pass	500k	16.975M	18.941M	17.85M	18.966M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.55M	37.881M	37.6M	37.931M
2437MHz	Pass	500k	36.95M	37.981M	36.4M	37.831M
2452MHz	Pass	500k	37.7M	37.931M	37.4M	37.931M

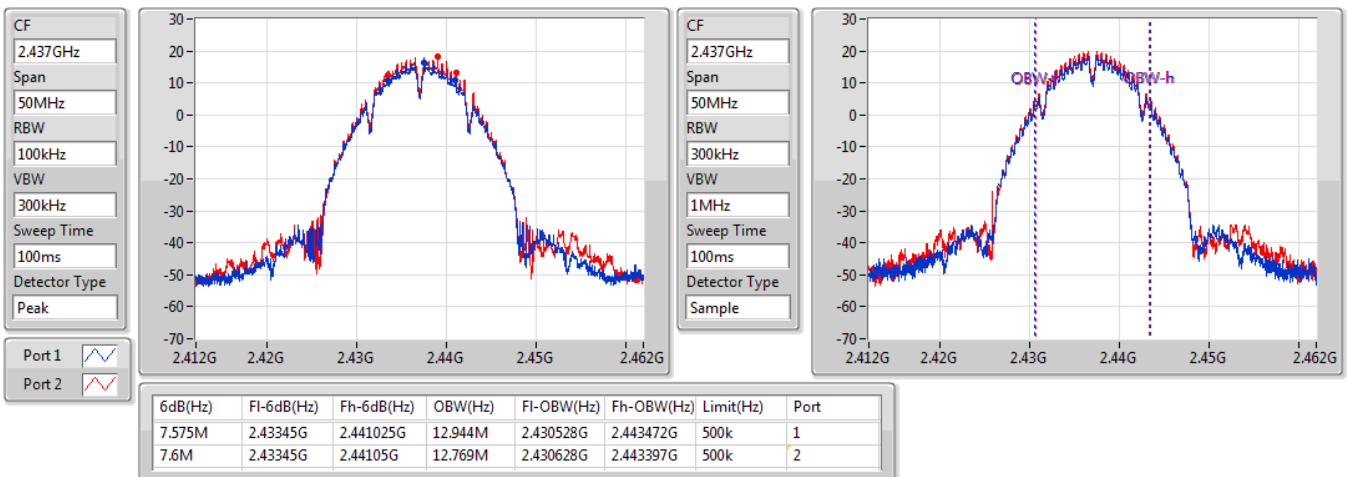
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11b_Nss1,(1Mbps)_2TX
EBW
2412MHz

11/06/2021

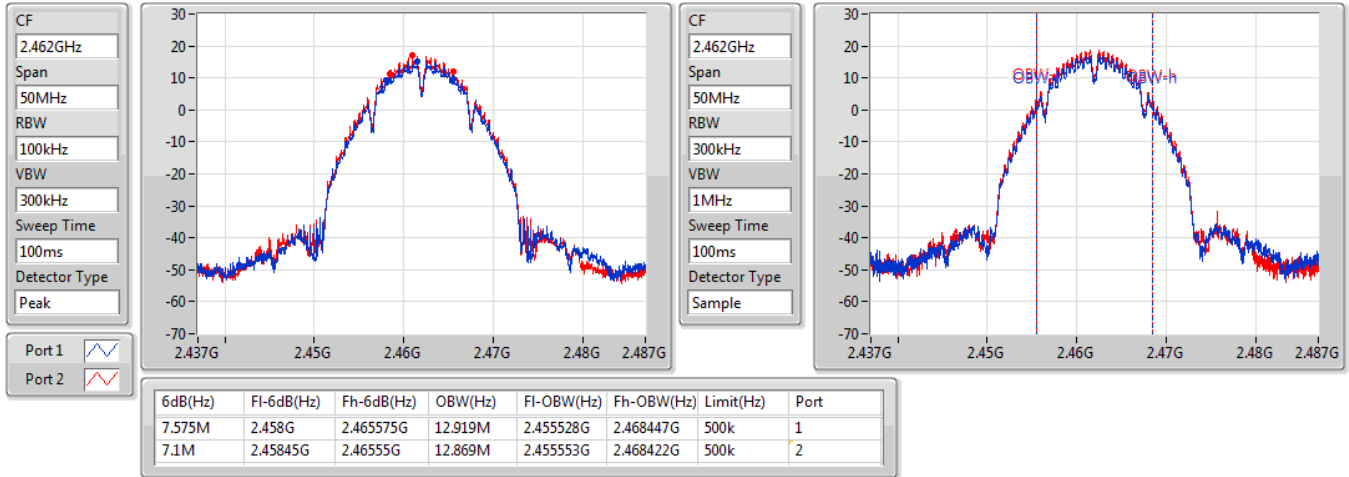

802.11b_Nss1,(1Mbps)_2TX
EBW
2437MHz

11/06/2021

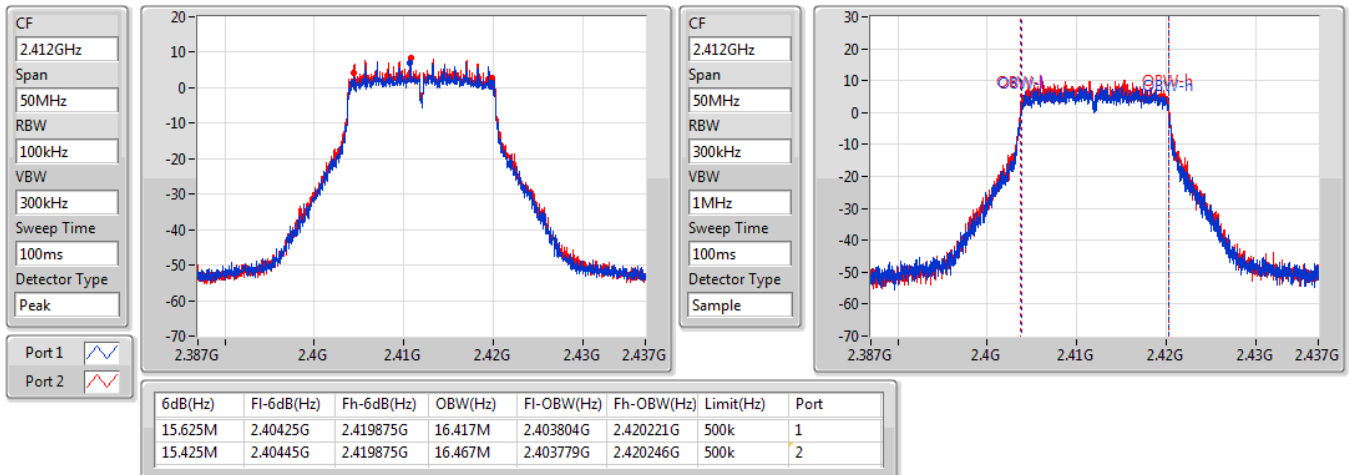


802.11b_Nss1,(1Mbps)_2TX
EBW
2462MHz

11/06/2021


802.11g_Nss1,(6Mbps)_2TX
EBW
2412MHz

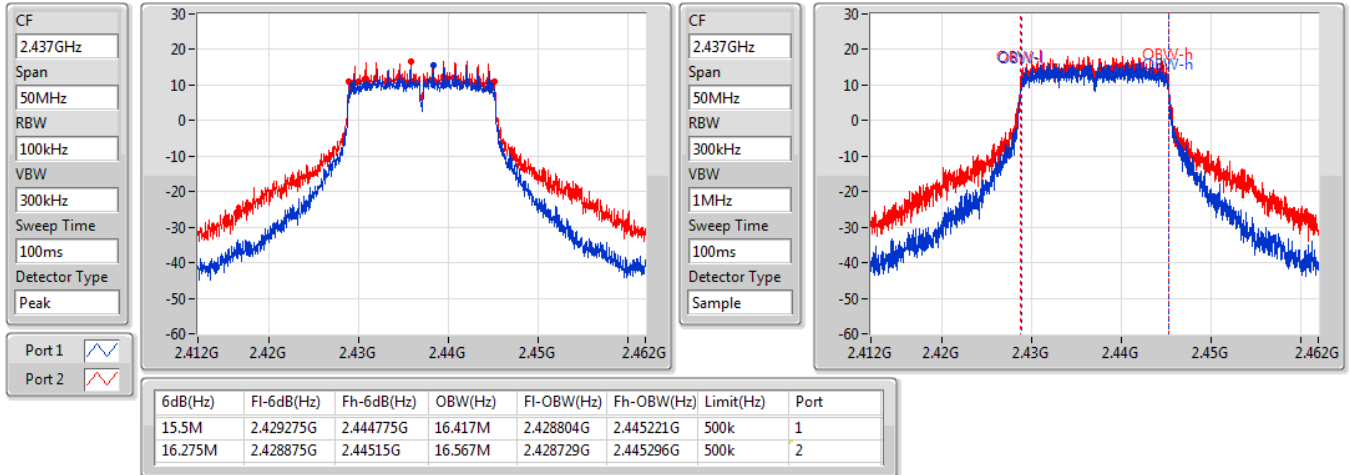
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802.11g_Nss1,(6Mbps)_2TX

2437MHz

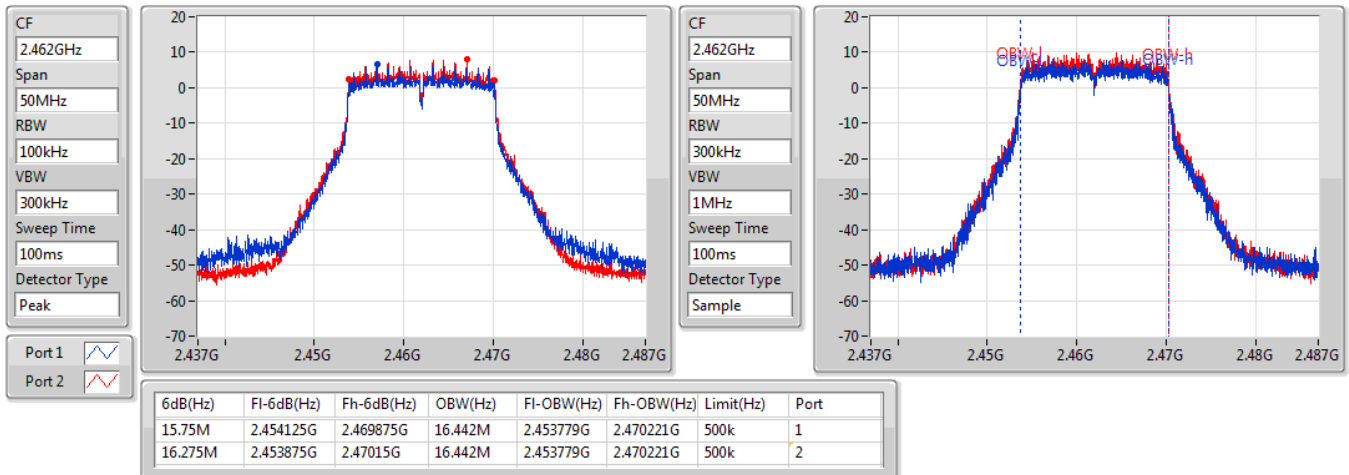
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802.11g_Nss1,(6Mbps)_2TX

2462MHz

11/06/2021

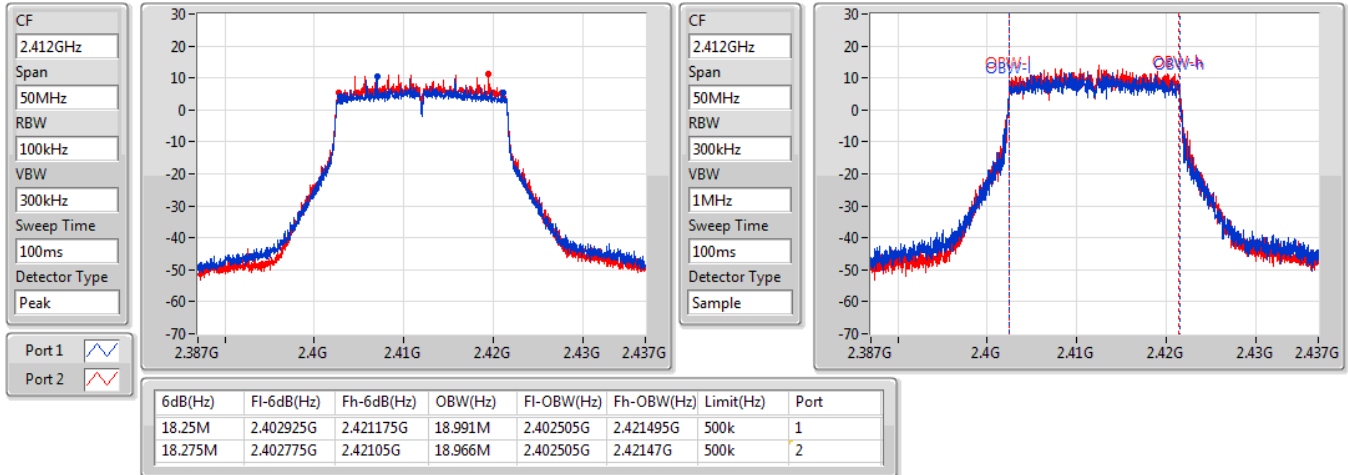


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2412MHz

11/06/2021

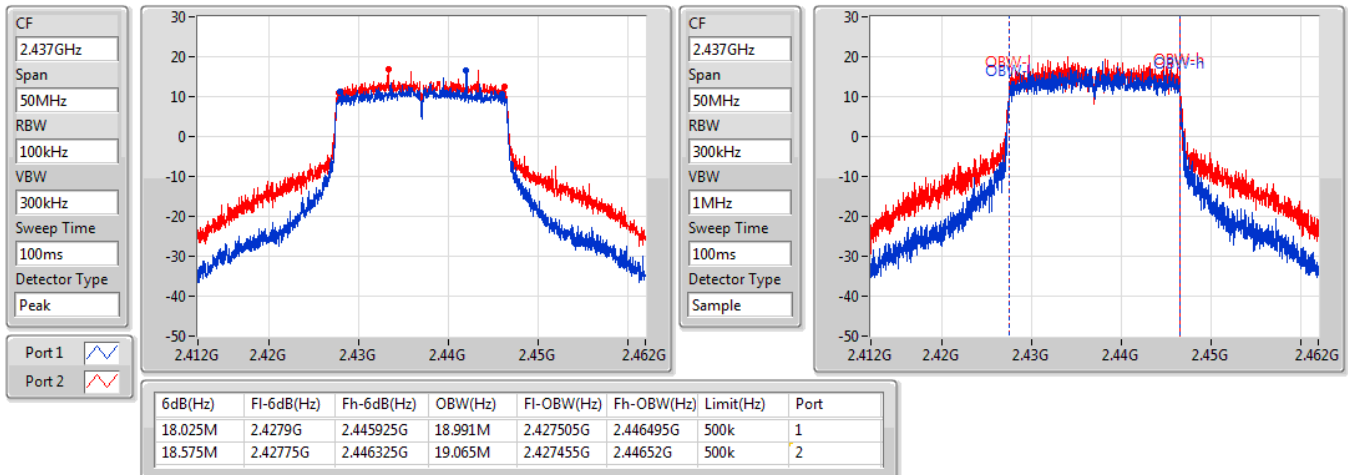


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2437MHz

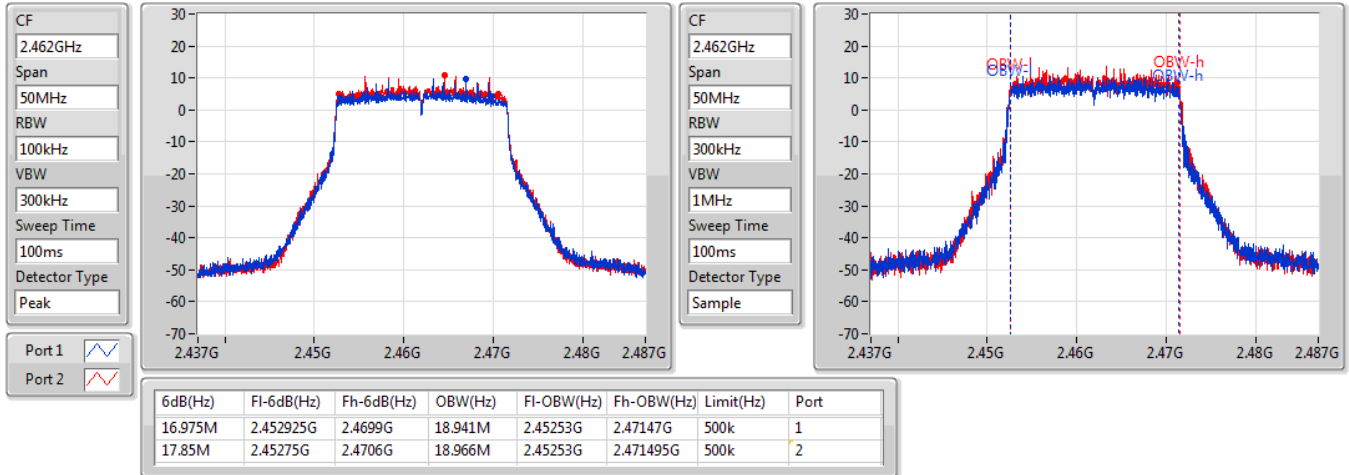
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802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz

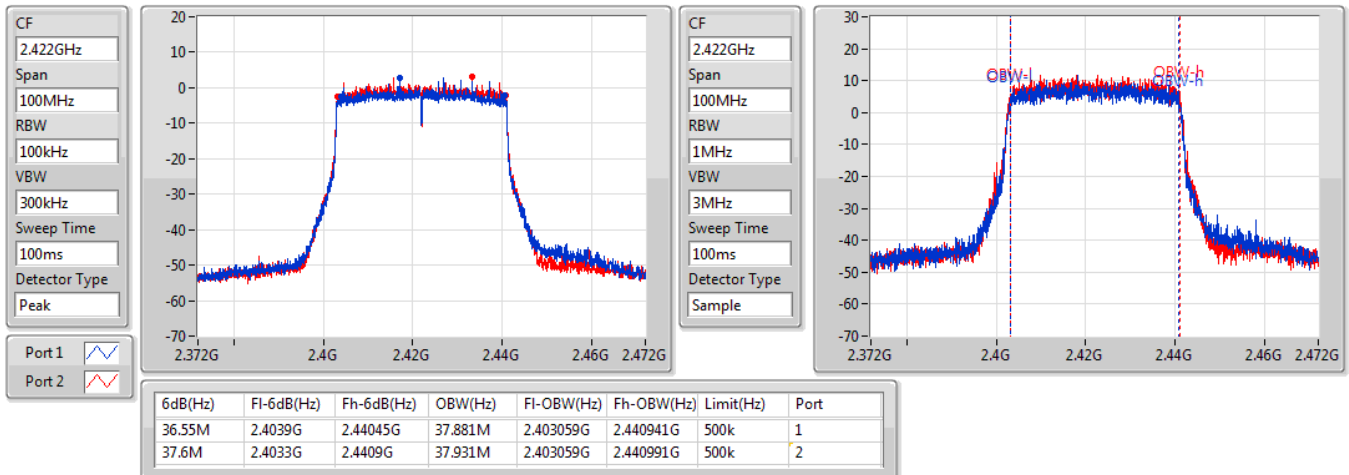
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802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz

11/06/2021

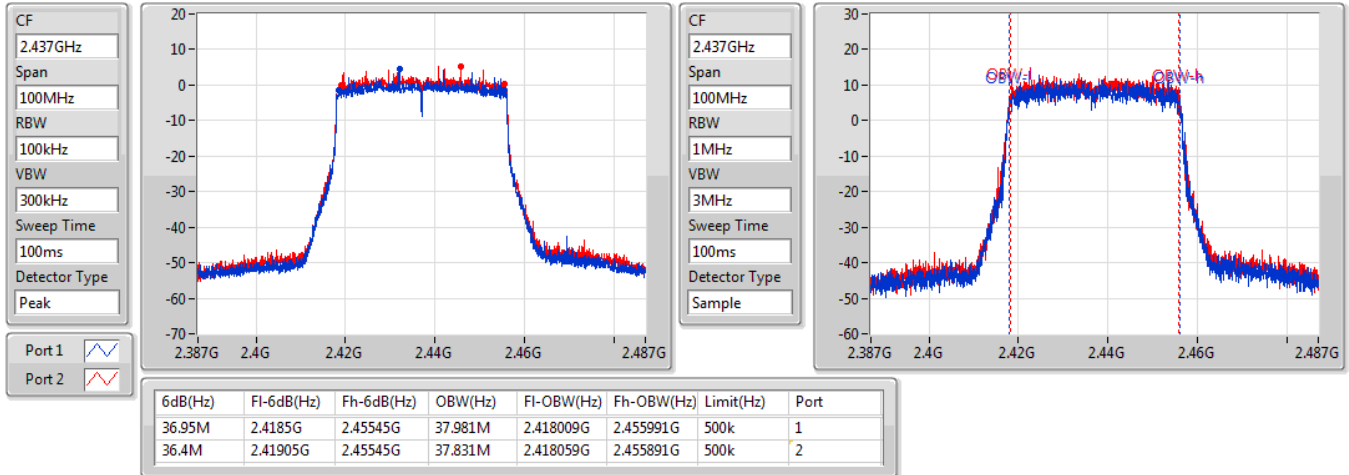


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2437MHz

11/06/2021

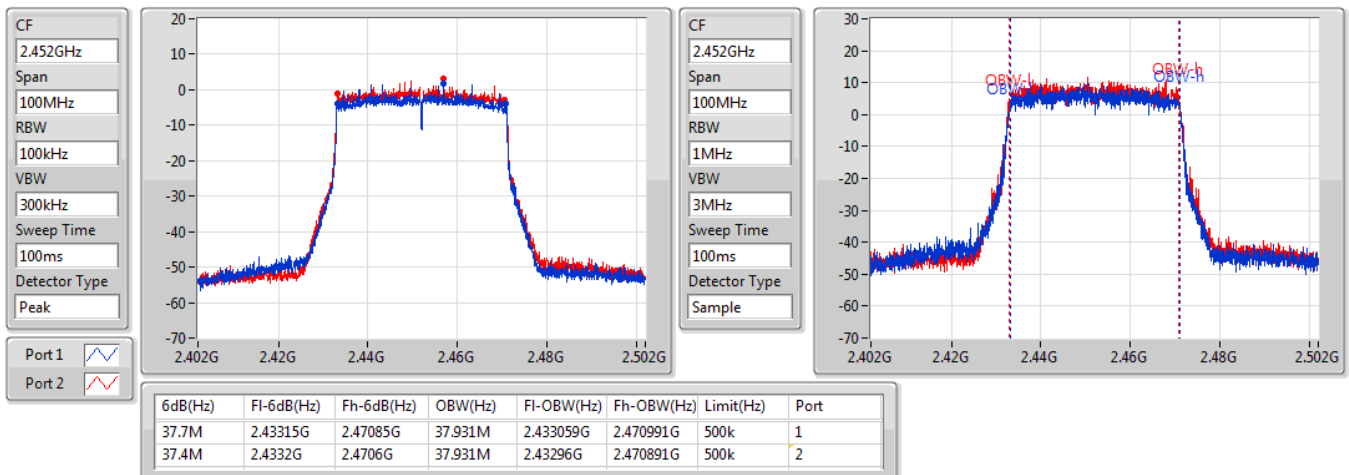


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2452MHz

11/06/2021





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	29.59	0.90991
802.11g_Nss1,(6Mbps)_2TX	29.52	0.89536
802.11ax HEW20_Nss1,(MCS0)_2TX	29.94	0.98628
802.11ax HEW40_Nss1,(MCS0)_2TX	21.52	0.14191

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.00	24.84	26.26	28.62	30.00
2417MHz	Pass	5.00	25.85	27.20	29.59	30.00
2437MHz	Pass	5.00	25.69	27.25	29.55	30.00
2457MHz	Pass	5.00	25.49	26.88	29.25	30.00
2462MHz	Pass	5.00	24.61	26.06	28.41	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.00	17.42	18.70	21.12	30.00
2417MHz	Pass	5.00	22.87	24.25	26.62	30.00
2437MHz	Pass	5.00	25.61	27.26	29.52	30.00
2457MHz	Pass	5.00	23.09	24.47	26.84	30.00
2462MHz	Pass	5.00	17.13	18.45	20.85	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.00	20.41	21.74	24.14	30.00
2417MHz	Pass	5.00	22.79	24.08	26.49	30.00
2437MHz	Pass	5.00	26.07	27.64	29.94	30.00
2457MHz	Pass	5.00	21.97	23.40	25.75	30.00
2462MHz	Pass	5.00	19.60	21.03	23.38	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.00	16.24	17.54	19.95	30.00
2427MHz	Pass	5.00	17.27	18.53	20.96	30.00
2437MHz	Pass	5.00	17.78	19.13	21.52	30.00
2447MHz	Pass	5.00	15.81	17.27	19.61	30.00
2452MHz	Pass	5.00	15.40	16.86	19.20	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	2.21
802.11g_Nss1,(6Mbps)_2TX	1.24
802.11ax HEW20_Nss1,(MCS0)_2TX	2.16
802.11ax HEW40_Nss1,(MCS0)_2TX	-9.00

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.01	-3.02	-1.83	0.45	5.99
2437MHz	Pass	8.01	-2.45	-0.71	1.48	5.99
2462MHz	Pass	8.01	-0.11	-1.62	2.21	5.99
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.01	-10.54	-8.31	-7.48	5.99
2437MHz	Pass	8.01	-2.52	-0.30	1.24	5.99
2462MHz	Pass	8.01	-9.51	-8.46	-7.58	5.99
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.01	-5.56	-4.89	-3.87	5.99
2437MHz	Pass	8.01	-0.35	0.75	2.16	5.99
2462MHz	Pass	8.01	-6.63	-6.16	-4.74	5.99
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.01	-13.38	-11.09	-10.11	5.99
2437MHz	Pass	8.01	-11.39	-9.76	-9.00	5.99
2452MHz	Pass	8.01	-13.06	-12.48	-11.20	5.99

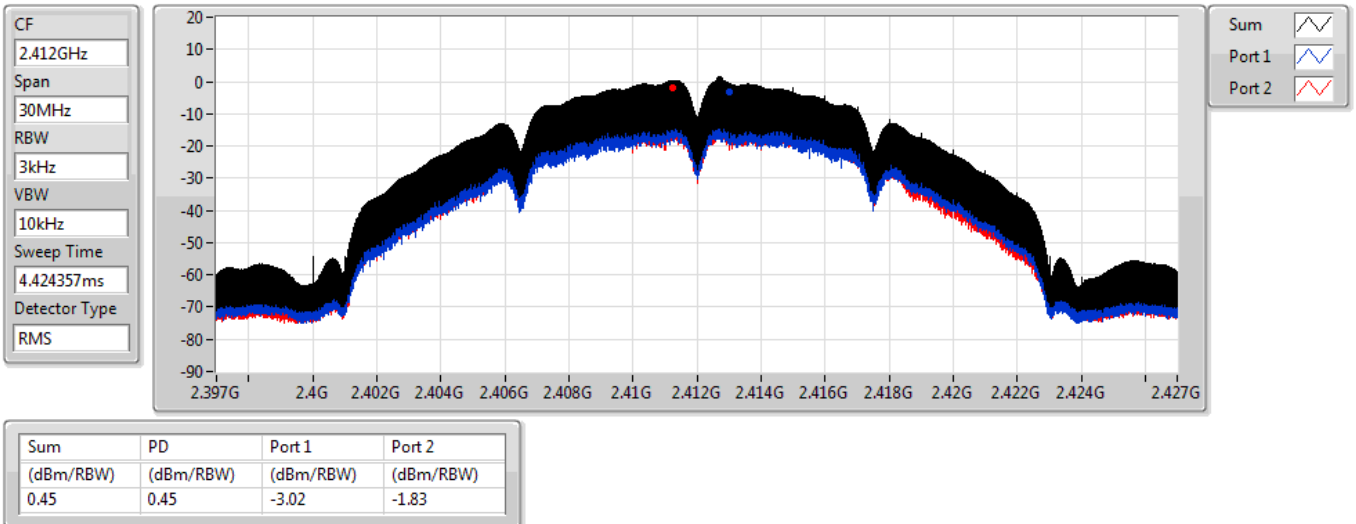
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11b_Nss1,(1Mbps)_2TX

PSD

2412MHz

11/06/2021

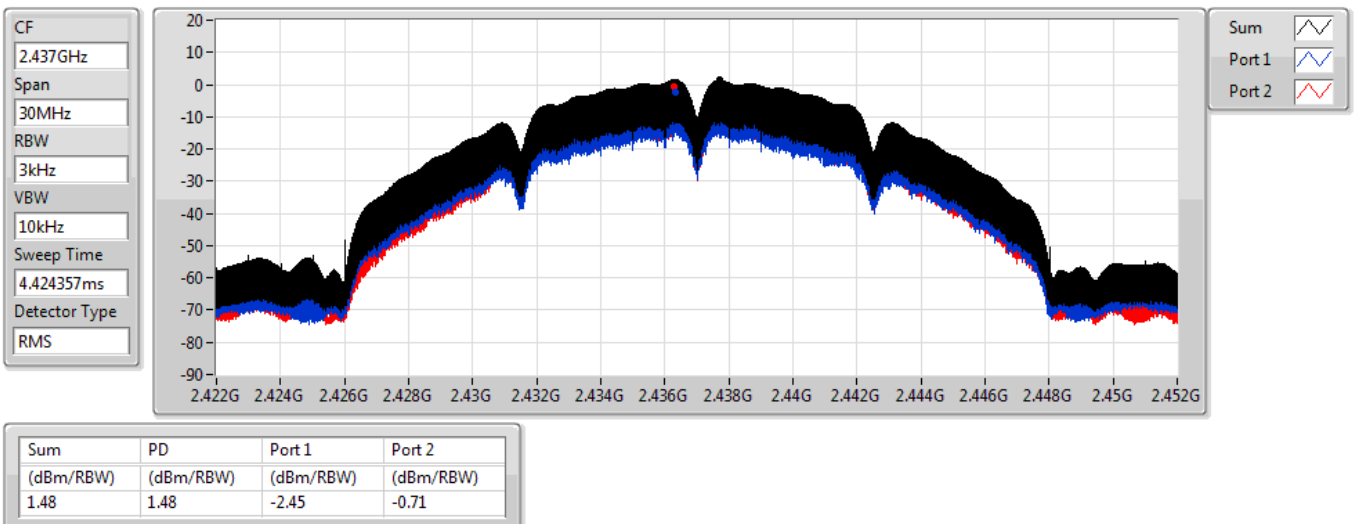


802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

11/06/2021

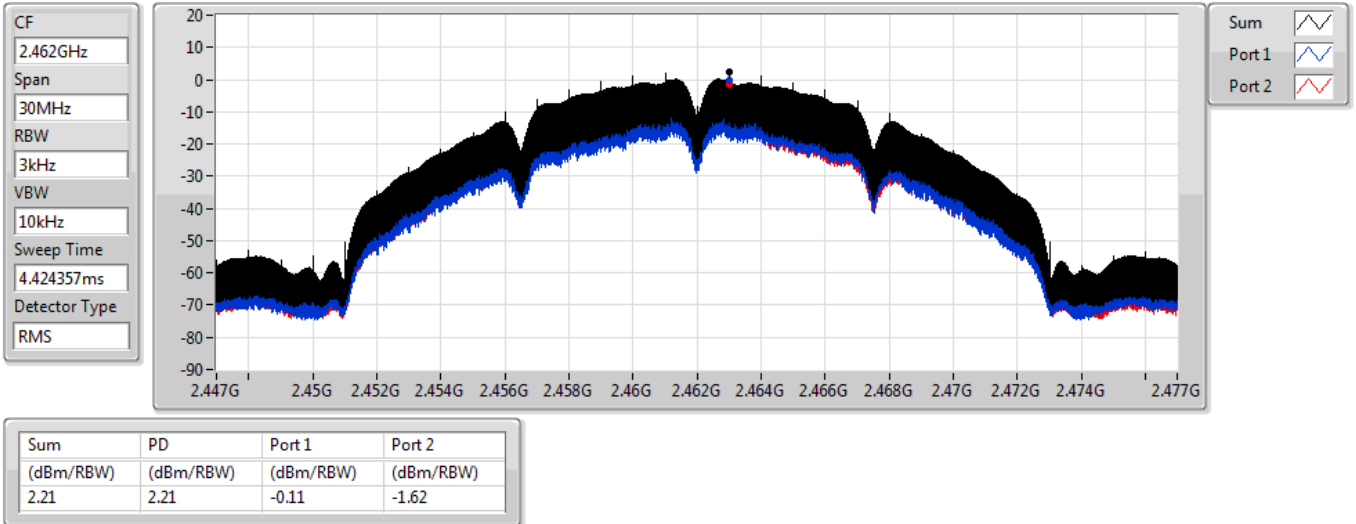


802.11b_Nss1,(1Mbps)_2TX

2462MHz

PSD

11/06/2021

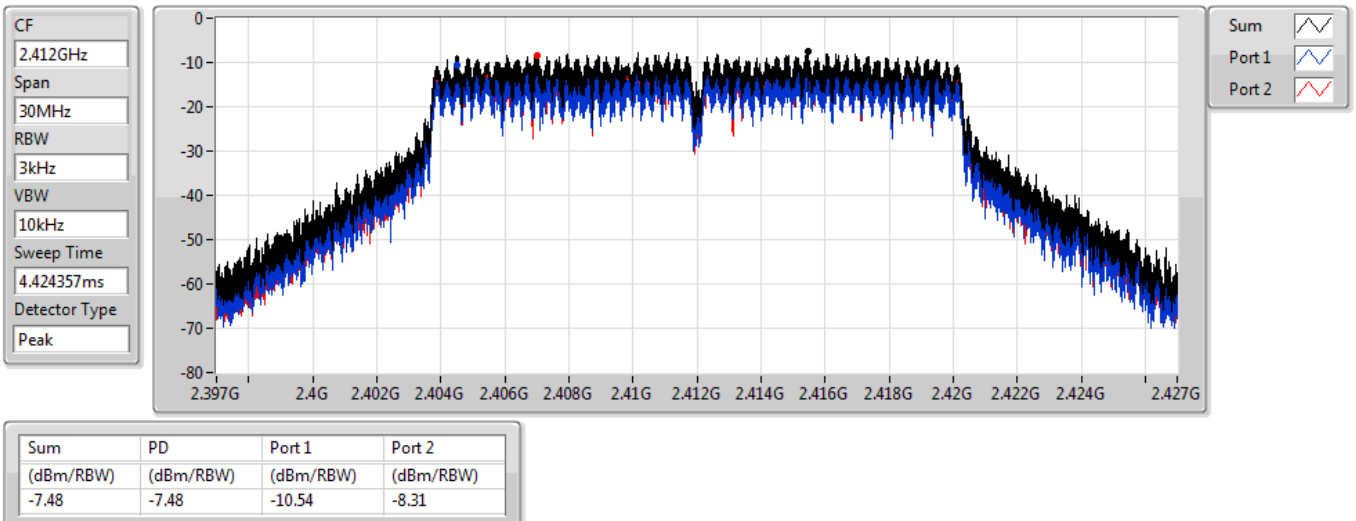


802.11g_Nss1,(6Mbps)_2TX

2412MHz

PSD

11/06/2021

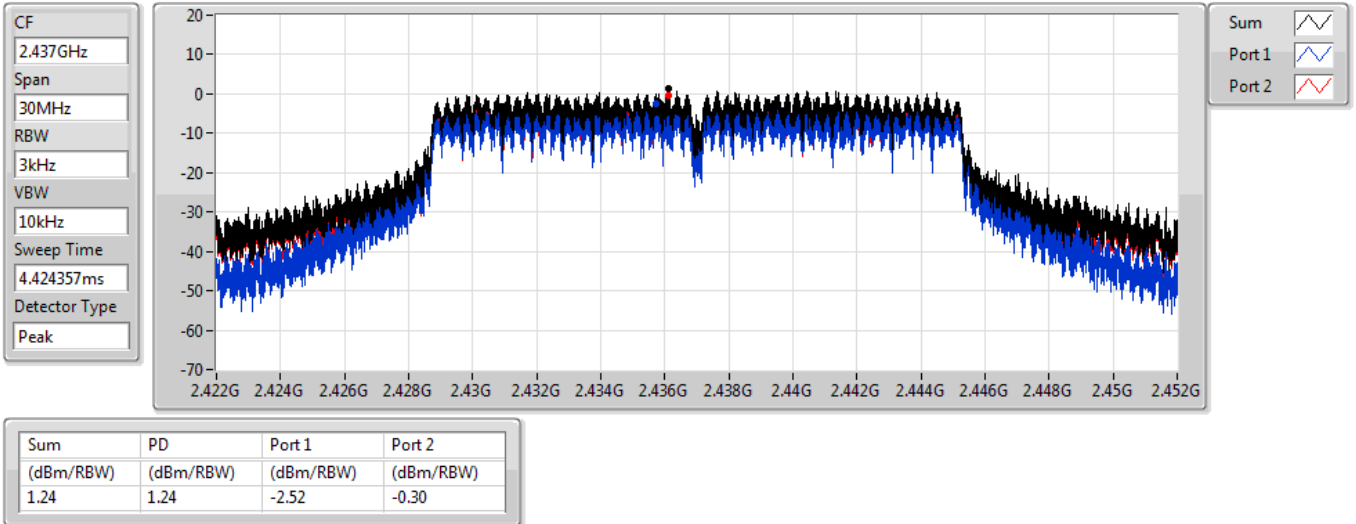


802.11g_Nss1,(6Mbps)_2TX

2437MHz

PSD

11/06/2021

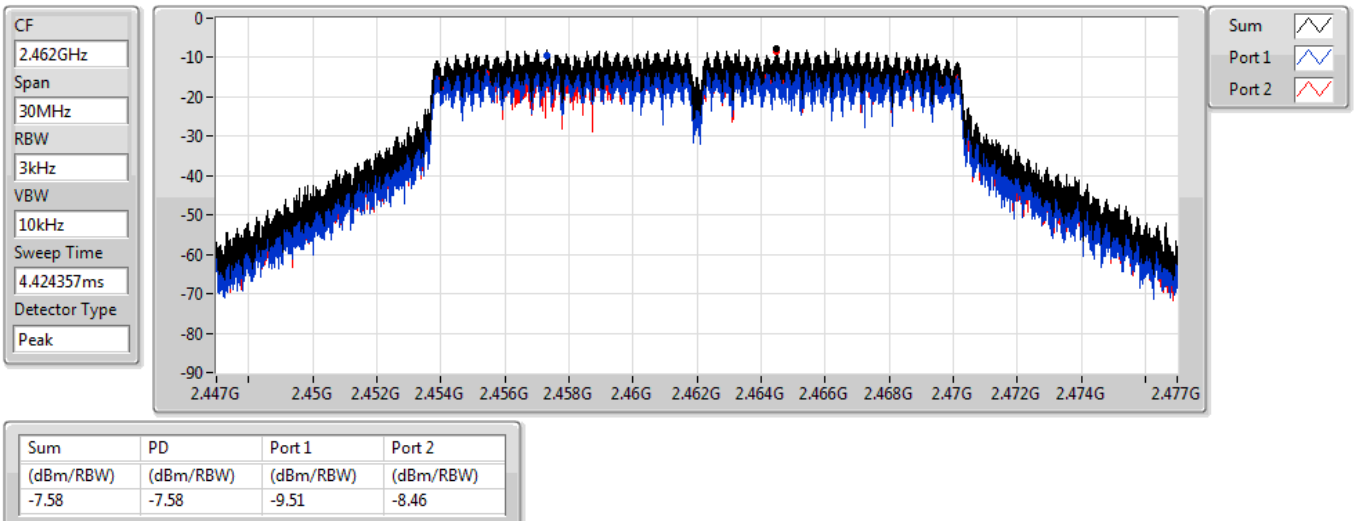


802.11g_Nss1,(6Mbps)_2TX

2462MHz

PSD

11/06/2021

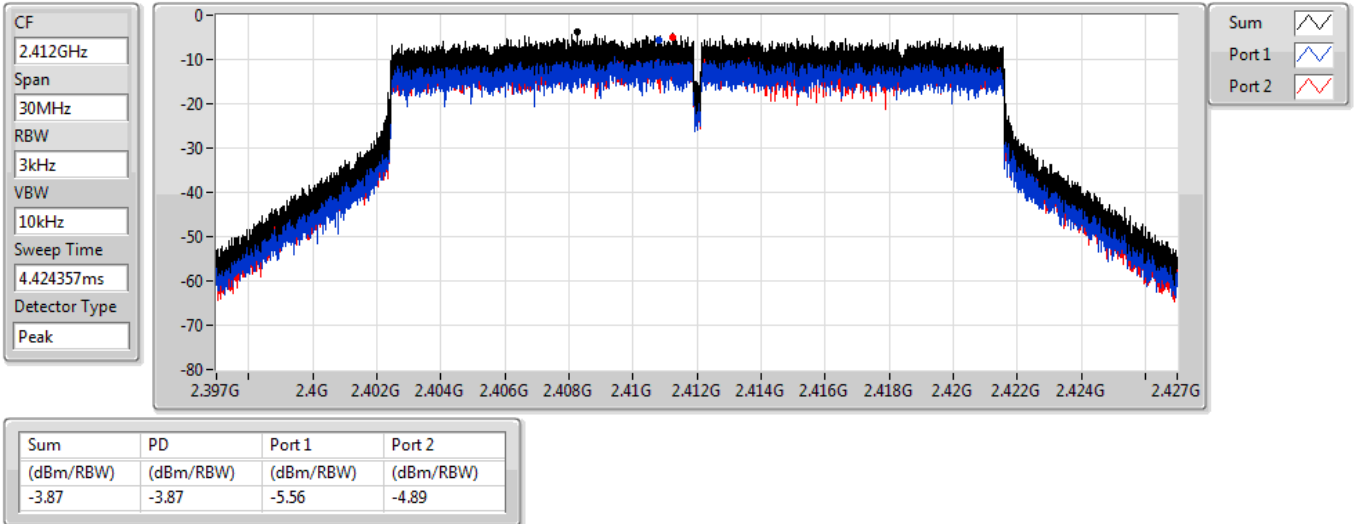


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2412MHz

11/06/2021

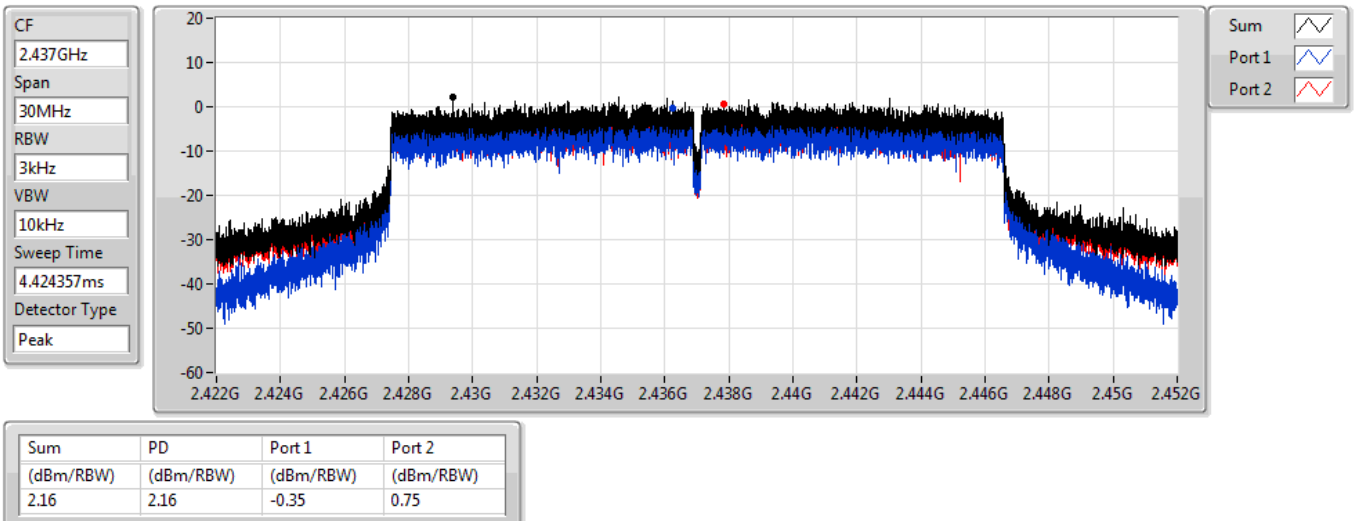


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2437MHz

11/06/2021

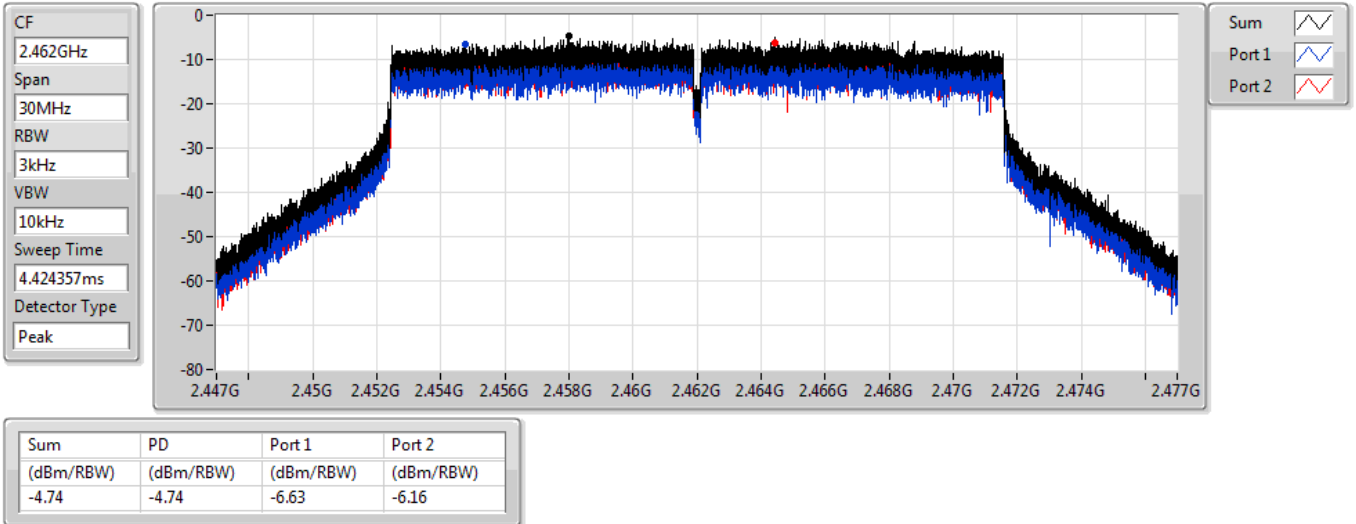


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2462MHz

11/06/2021

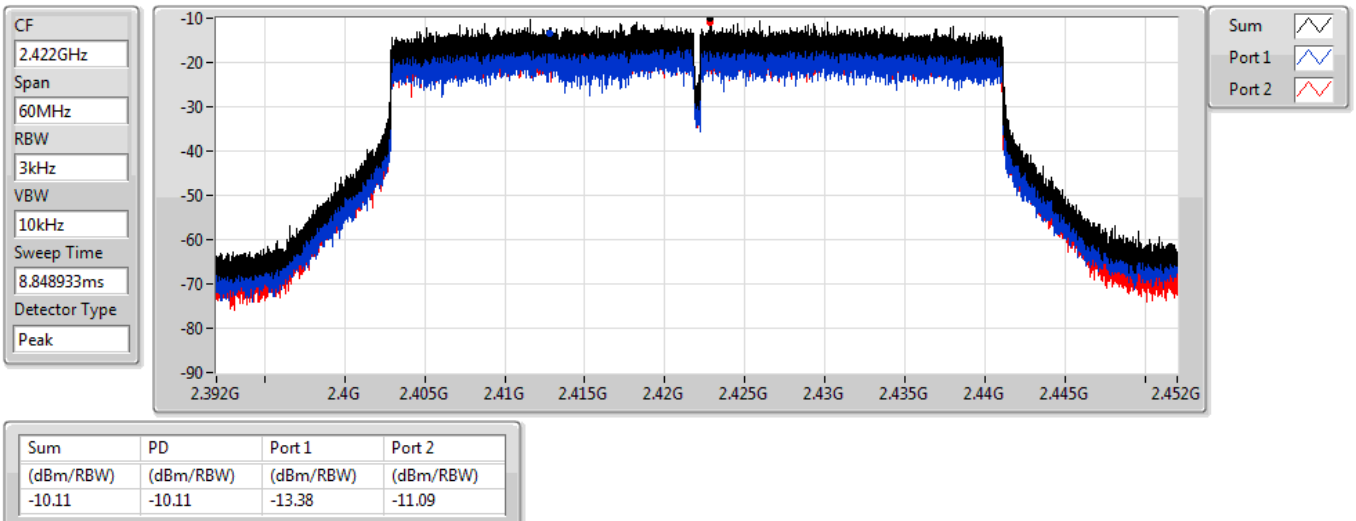


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2422MHz

11/06/2021

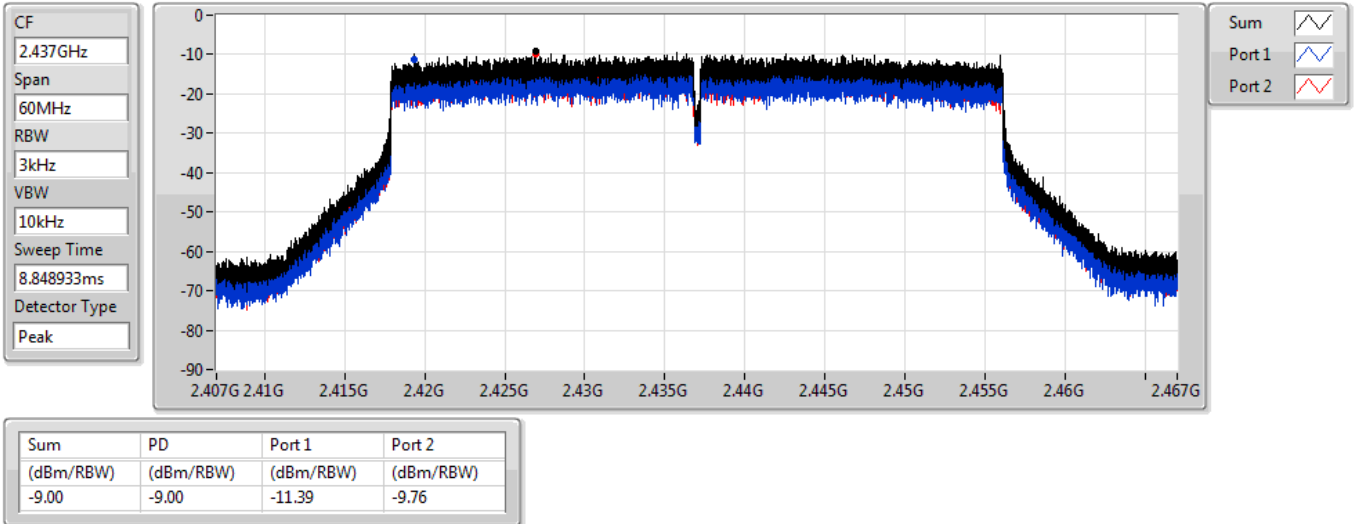


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2437MHz

11/06/2021

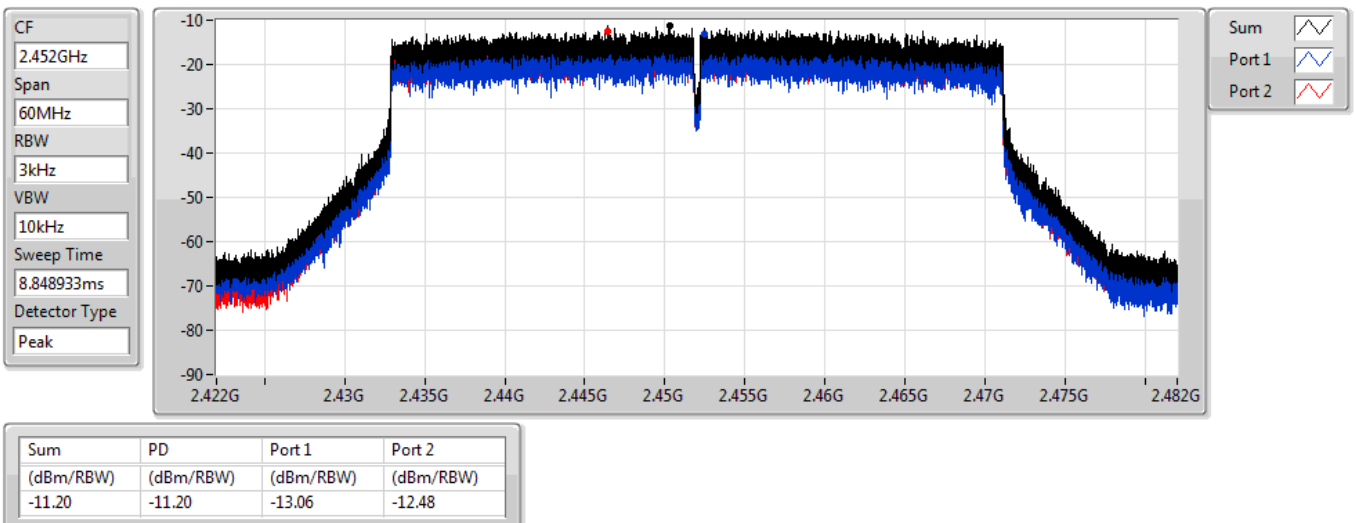


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2452MHz

11/06/2021



**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)_2TX	Pass	2.43499G	18.38	-11.62	2.30379G	-53.37	2.39922G	-36.70	2.4G	-43.55	2.50896G	-50.33	7.23514G	-41.23	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.442G	17.06	-12.94	2.09438G	-53.69	2.39988G	-29.65	2.4G	-29.32	2.49438G	-50.66	15.20587G	-41.14	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.44204G	17.99	-12.01	2.30554G	-53.11	2.39992G	-22.65	2.4G	-25.64	2.48696G	-50.40	15.20867G	-41.52	2
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.442G	5.51	-24.49	2.30769G	-53.65	2.4G	-32.50	2.4G	-33.91	2.53166G	-50.18	24.70552G	-42.08	2

Result

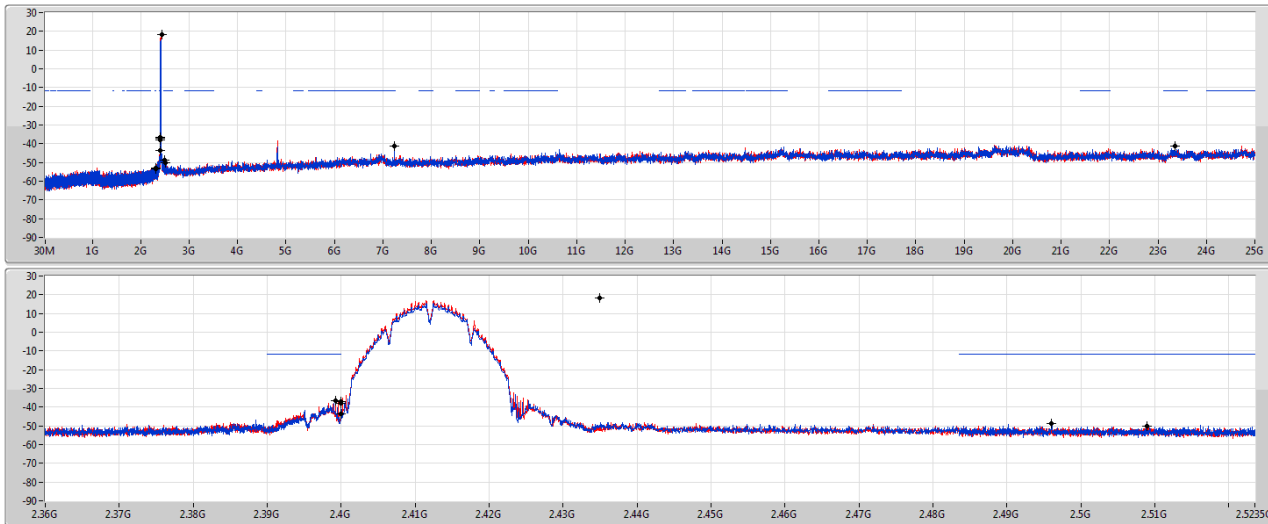
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43499G	18.38	-11.62	2.30525G	-52.80	2.39992G	-37.82	2.4G	-37.01	2.496G	-48.98	23.34798G	-41.42	1
2412MHz	Pass	2.43499G	18.38	-11.62	2.30379G	-53.37	2.39922G	-36.70	2.4G	-43.55	2.50896G	-50.33	7.23514G	-41.23	2
2437MHz	Pass	2.43499G	18.38	-11.62	2.30554G	-51.63	2.39998G	-48.18	2.4G	-50.08	2.49602G	-49.23	15.23677G	-41.92	1
2437MHz	Pass	2.43499G	18.38	-11.62	2.30874G	-52.90	2.39476G	-49.36	2.4G	-50.41	2.49572G	-49.72	14.62148G	-40.46	2
2462MHz	Pass	2.43499G	18.38	-11.62	2.30408G	-51.91	2.39704G	-50.22	2.4G	-50.19	2.48852G	-46.20	24.63757G	-42.39	1
2462MHz	Pass	2.43499G	18.38	-11.62	2.30408G	-52.06	2.39972G	-50.40	2.4G	-50.56	2.48612G	-48.51	14.77319G	-40.85	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	17.06	-12.94	1.94817G	-53.16	2.3999G	-30.93	2.4G	-30.29	2.49596G	-50.78	24.86514G	-42.30	1
2412MHz	Pass	2.442G	17.06	-12.94	2.09438G	-53.69	2.39988G	-29.65	2.4G	-29.32	2.49438G	-50.66	15.20587G	-41.14	2
2437MHz	Pass	2.442G	17.06	-12.94	2.30495G	-52.35	2.39996G	-46.34	2.4G	-46.55	2.49086G	-46.59	15.3042G	-42.01	1
2437MHz	Pass	2.442G	17.06	-12.94	2.30262G	-51.21	2.39982G	-42.54	2.4G	-44.63	2.48574G	-45.38	24.77804G	-42.71	2
2462MHz	Pass	2.442G	17.06	-12.94	2.00642G	-52.95	2.3945G	-51.57	2.4G	-51.59	2.48384G	-50.00	17.66423G	-42.08	1
2462MHz	Pass	2.442G	17.06	-12.94	2.30146G	-52.68	2.39606G	-51.44	2.4835G	-51.04	2.49598G	-49.81	23.3255G	-41.94	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44204G	17.99	-12.01	2.13312G	-52.76	2.39998G	-25.30	2.4G	-23.29	2.52202G	-50.50	15.28734G	-41.85	1
2412MHz	Pass	2.44204G	17.99	-12.01	2.30554G	-53.11	2.39992G	-22.65	2.4G	-25.64	2.48696G	-50.40	15.20867G	-41.52	2
2437MHz	Pass	2.44204G	17.99	-12.01	2.30961G	-50.59	2.39998G	-43.00	2.4G	-43.73	2.48426G	-46.97	15.26487G	-42.13	1
2437MHz	Pass	2.44204G	17.99	-12.01	2.30233G	-52.58	2.39978G	-34.36	2.4G	-36.09	2.48774G	-41.10	24.7359G	-42.16	2
2462MHz	Pass	2.44204G	17.99	-12.01	943.94M	-53.77	2.3936G	-51.12	2.4835G	-48.81	2.48388G	-46.98	24.69657G	-42.18	1
2462MHz	Pass	2.44204G	17.99	-12.01	1.94118G	-53.90	2.39828G	-50.53	2.4835G	-48.09	2.4849G	-47.24	15.20867G	-41.28	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.442G	5.51	-24.49	832.65M	-53.81	2.39964G	-33.00	2.4G	-33.34	2.55434G	-51.00	23.53041G	-42.05	1
2422MHz	Pass	2.442G	5.51	-24.49	2.30769G	-53.65	2.4G	-32.50	2.4G	-33.91	2.53166G	-50.18	24.70552G	-42.08	2
2437MHz	Pass	2.442G	5.51	-24.49	2.11963G	-52.88	2.39568G	-49.59	2.4G	-50.81	2.48546G	-49.29	24.74759G	-41.93	1
2437MHz	Pass	2.442G	5.51	-24.49	2.15398G	-53.07	2.39476G	-48.49	2.4G	-47.67	2.4875G	-49.30	15.24573G	-41.20	2
2452MHz	Pass	2.442G	5.51	-24.49	2.30254G	-53.18	2.39452G	-51.88	2.4835G	-52.23	2.48402G	-49.03	24.66065G	-42.56	1
2452MHz	Pass	2.442G	5.51	-24.49	2.30912G	-53.62	2.39624G	-51.02	2.4835G	-47.27	2.48574G	-45.64	15.20366G	-42.35	2

802.11b_Nss1,(1Mbps)_2TX

2412MHz

CSENdB

11/06/2021



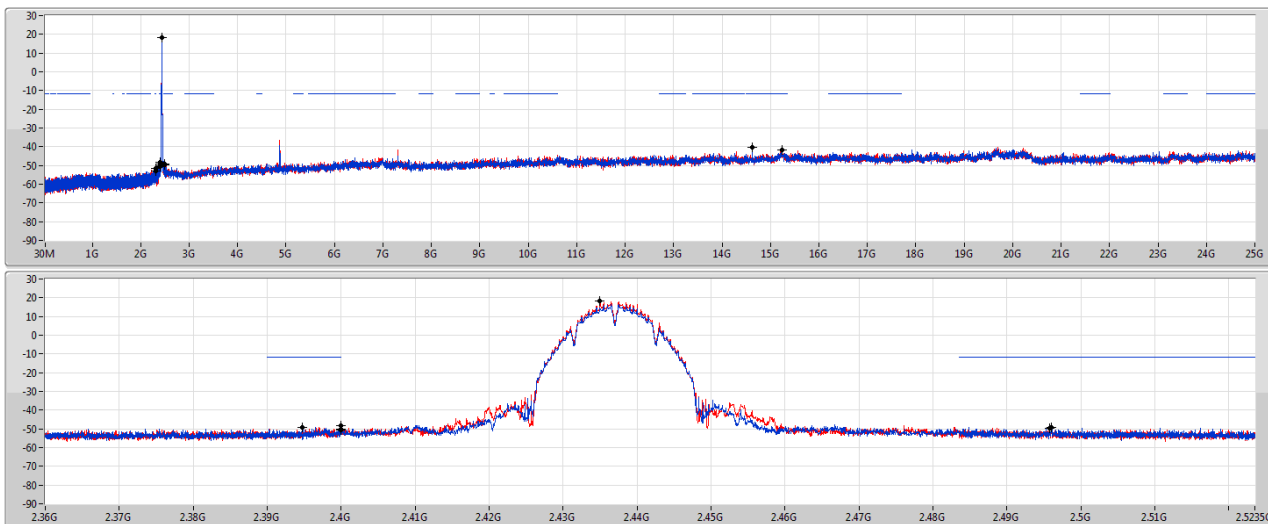
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2.43499G	18.38	-11.62	2.30525G	-52.80	2.39992G	-37.82	2.4G	-37.01	2.496G	-48.98	2.34798G	-41.42	1
2.43499G	18.38	-11.62	2.30379G	-53.37	2.39922G	-36.70	2.4G	-43.55	2.50896G	-50.33	7.23514G	-41.23	2

802.11b_Nss1,(1Mbps)_2TX

2437MHz

CSENdB

11/06/2021



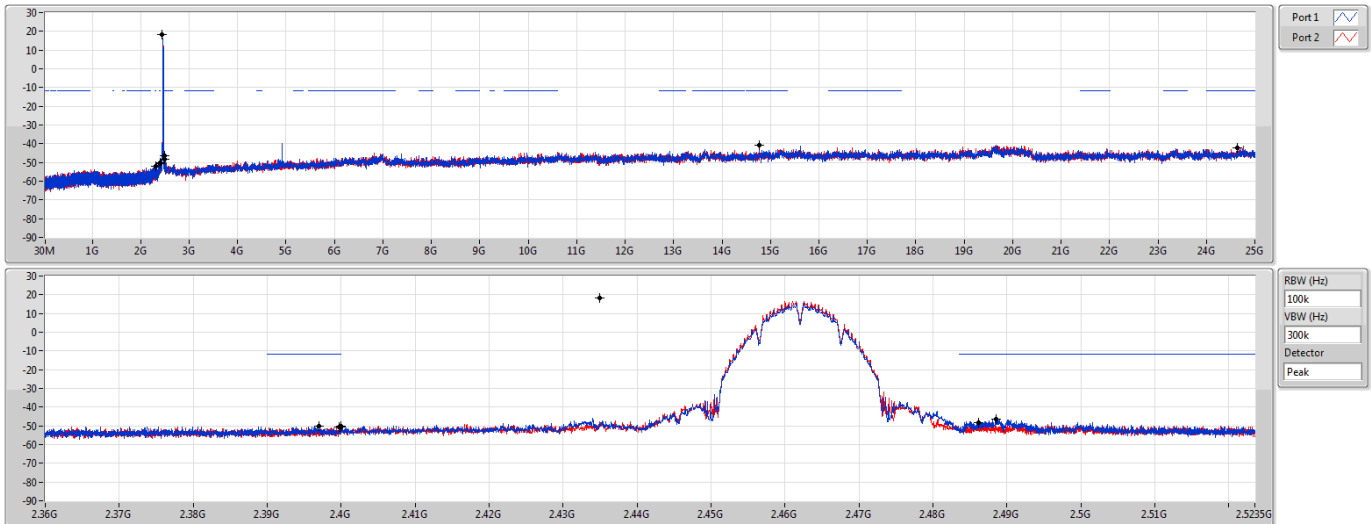
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2.43499G	18.38	-11.62	2.30554G	-51.63	2.39998G	-48.18	2.4G	-50.08	2.49602G	-49.23	15.23677G	-41.92	1
2.43499G	18.38	-11.62	2.30874G	-52.90	2.39476G	-49.36	2.4G	-50.41	2.49572G	-49.72	14.62148G	-40.46	2

802.11b_Nss1,(1Mbps)_2TX

2462MHz

CSENdB

11/06/2021



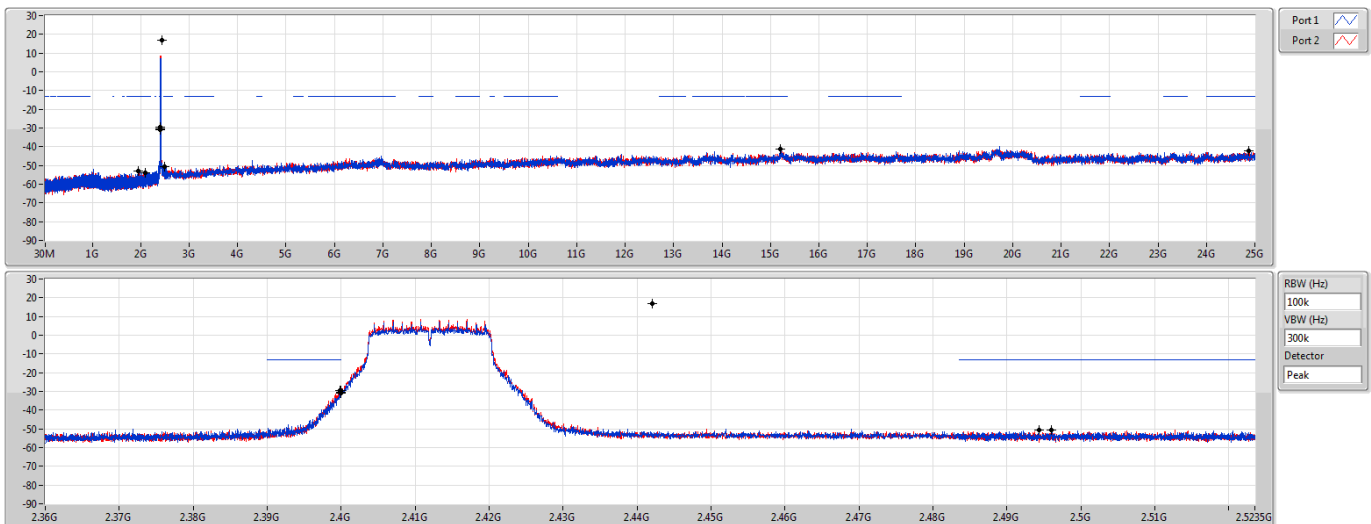
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2.43499G	18.38	-11.62	2.30408G	-51.91	2.39704G	-50.22	2.4G	-50.19	2.48852G	-46.20	2.463757G	-42.39	1
2.43499G	18.38	-11.62	2.30408G	-52.06	2.39972G	-50.40	2.4G	-50.56	2.48612G	-48.51	2.477319G	-40.85	2

802.11g_Nss1,(6Mbps)_2TX

2412MHz

CSENdB

11/06/2021



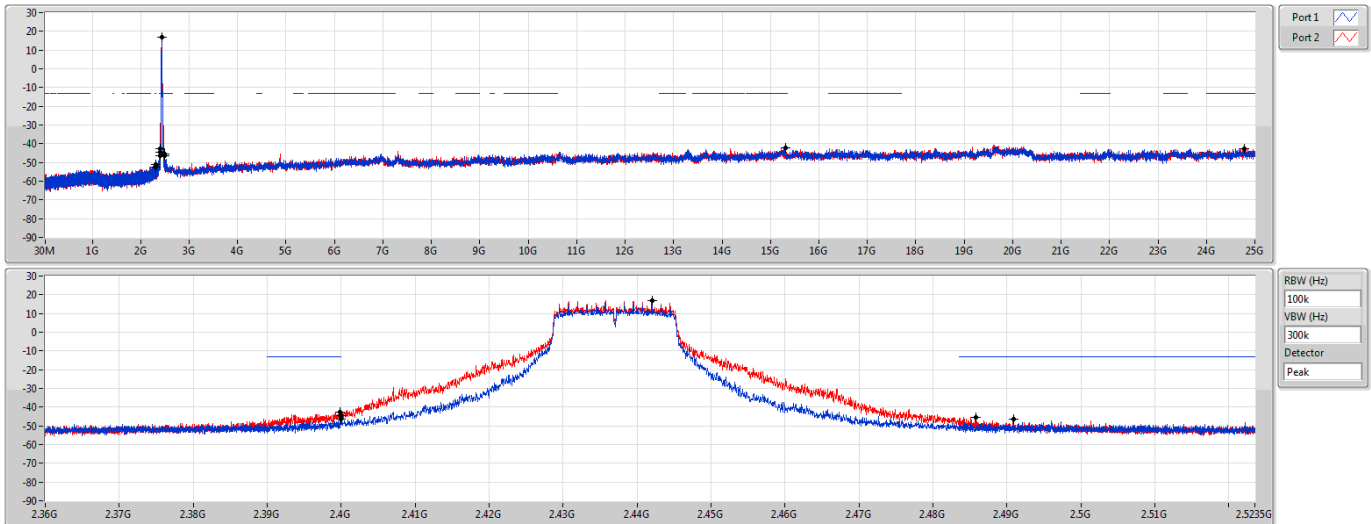
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2.442G	17.06	-12.94	1.94817G	-53.16	2.3999G	-30.93	2.4G	-30.29	2.49596G	-50.78	2.486514G	-42.30	1
2.442G	17.06	-12.94	2.09438G	-53.69	2.39988G	-29.65	2.4G	-29.32	2.49438G	-50.66	15.20587G	-41.14	2

802.11g_Nss1,(6Mbps)_2TX

2437MHz

CSENdB

11/06/2021

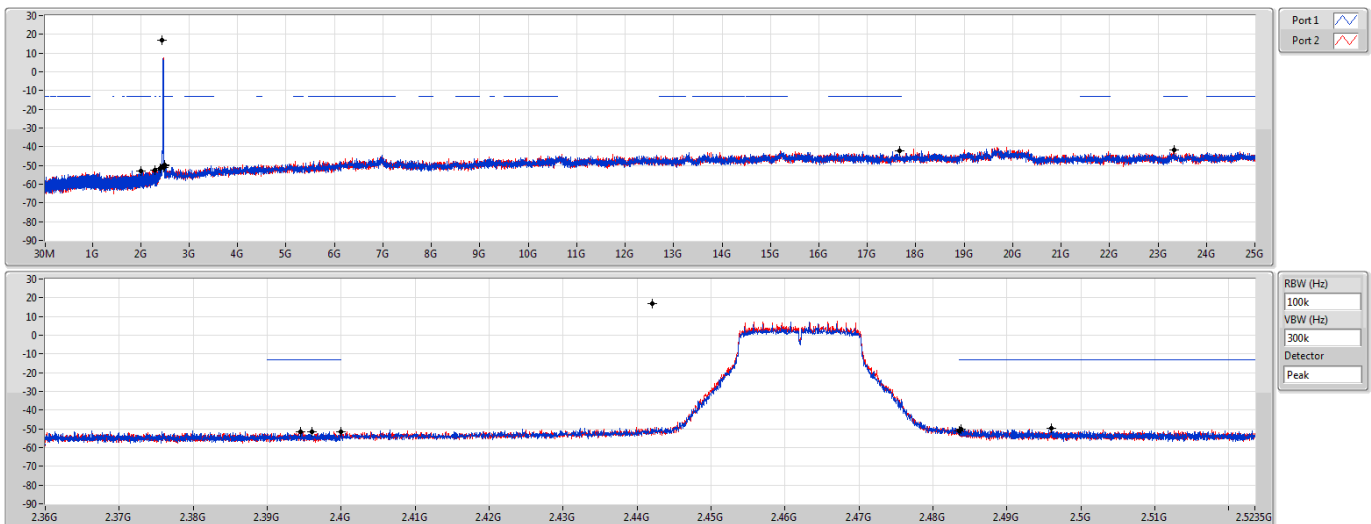


802.11g_Nss1,(6Mbps)_2TX

2462MHz

CSENdB

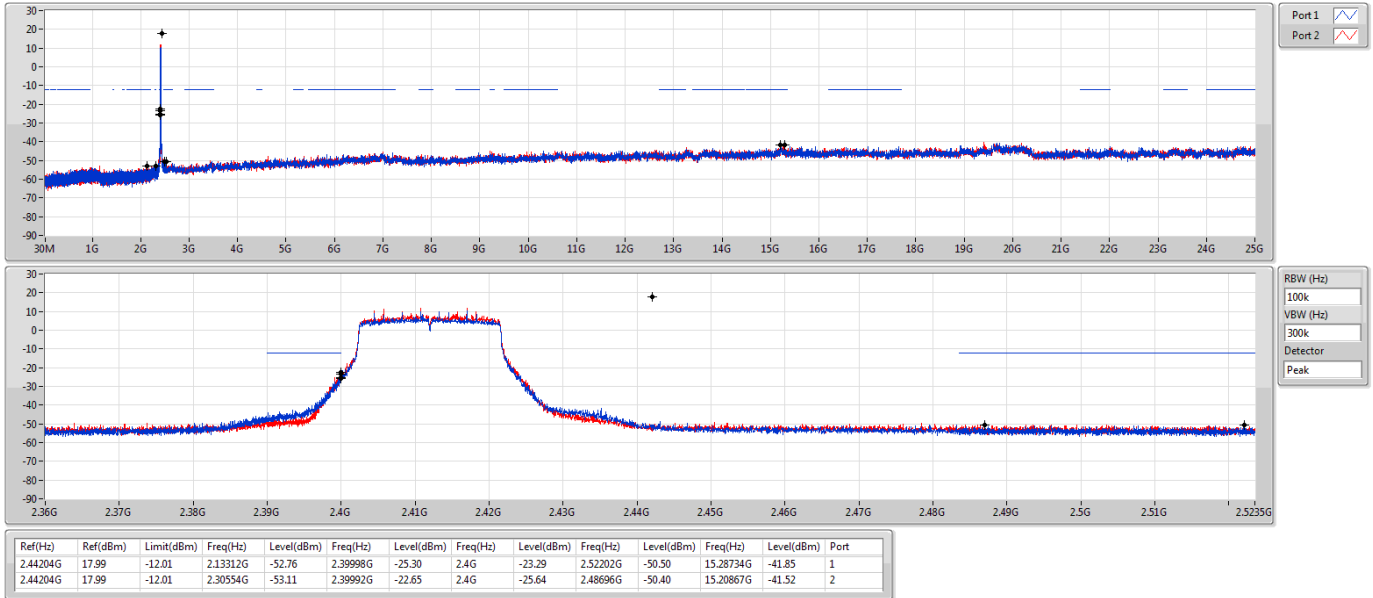
11/06/2021



802.11ax HEW20_Nss1,(MCS0)_2TX

CSENdB

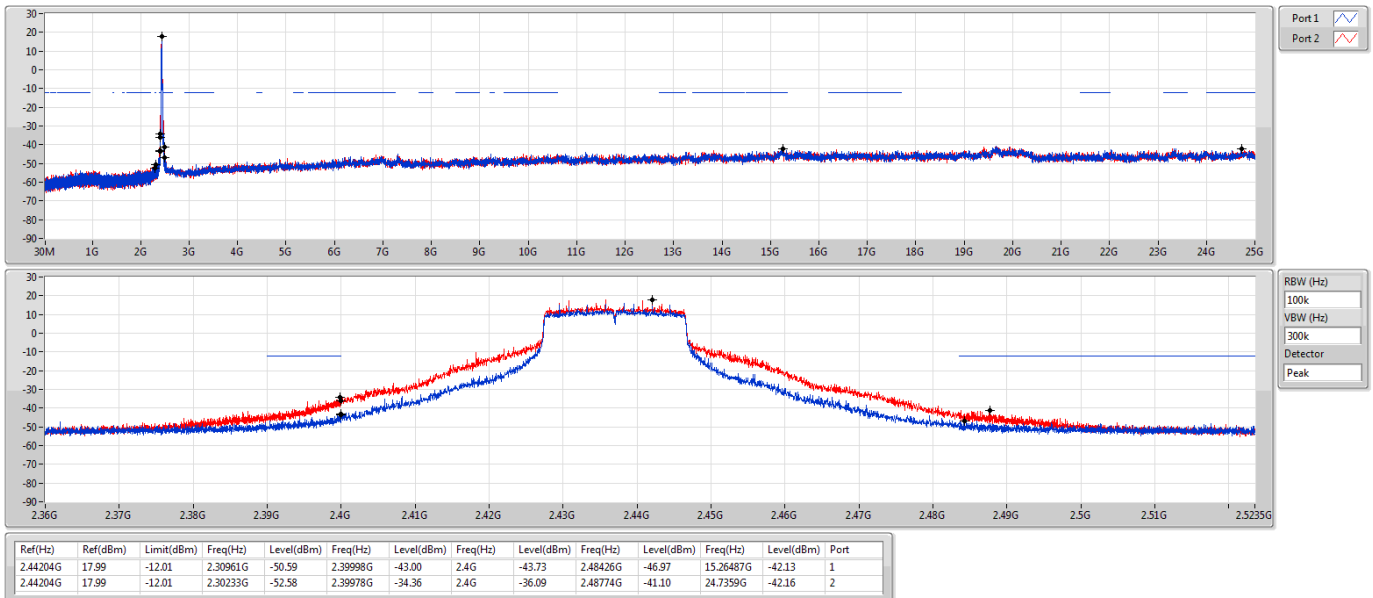
2412MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

CSENdB

2437MHz

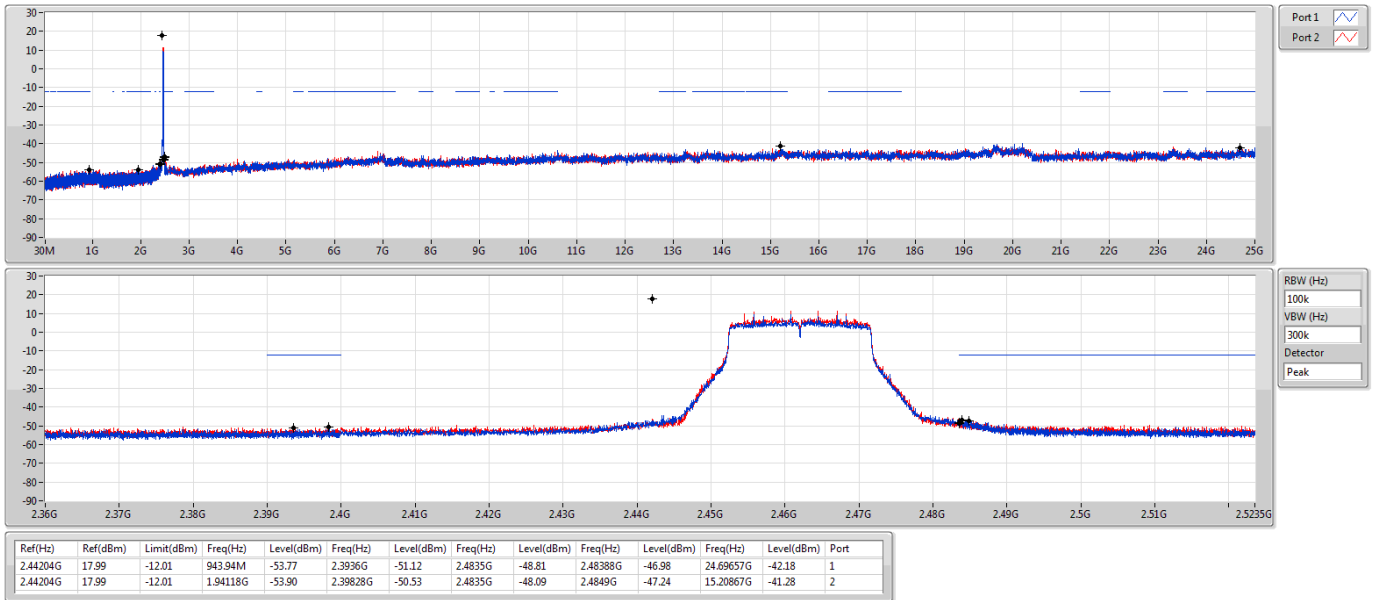


802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz

CSENdB

11/06/2021

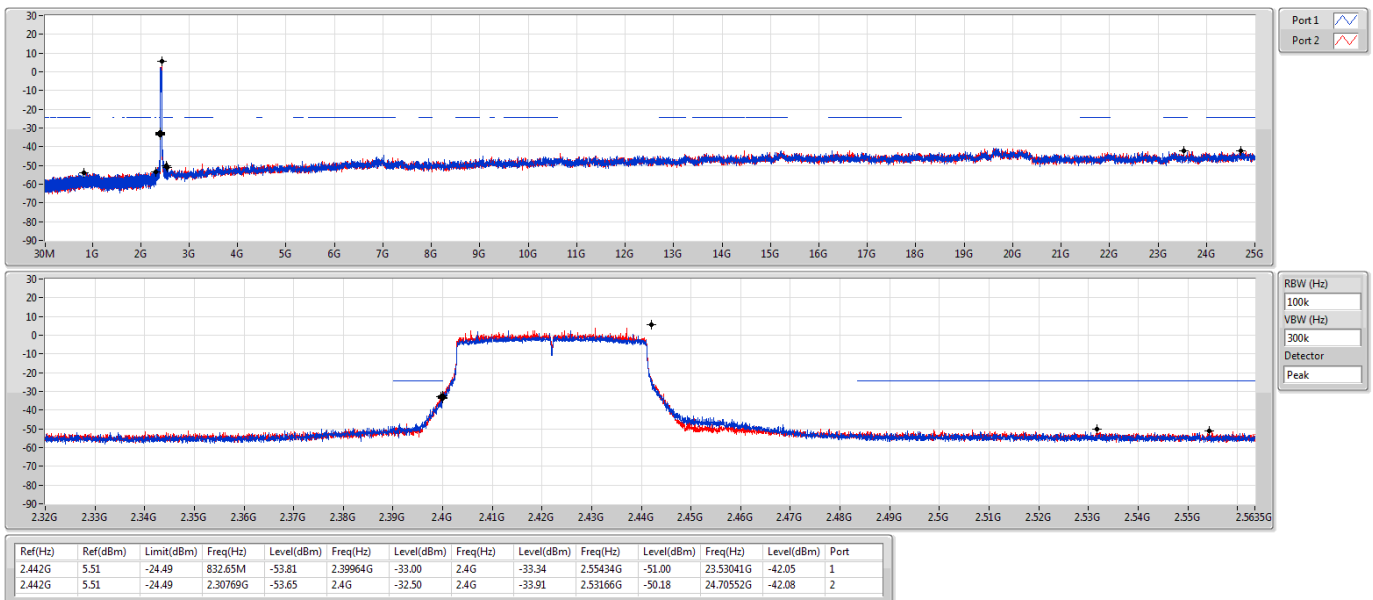


802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz

CSENdB

11/06/2021

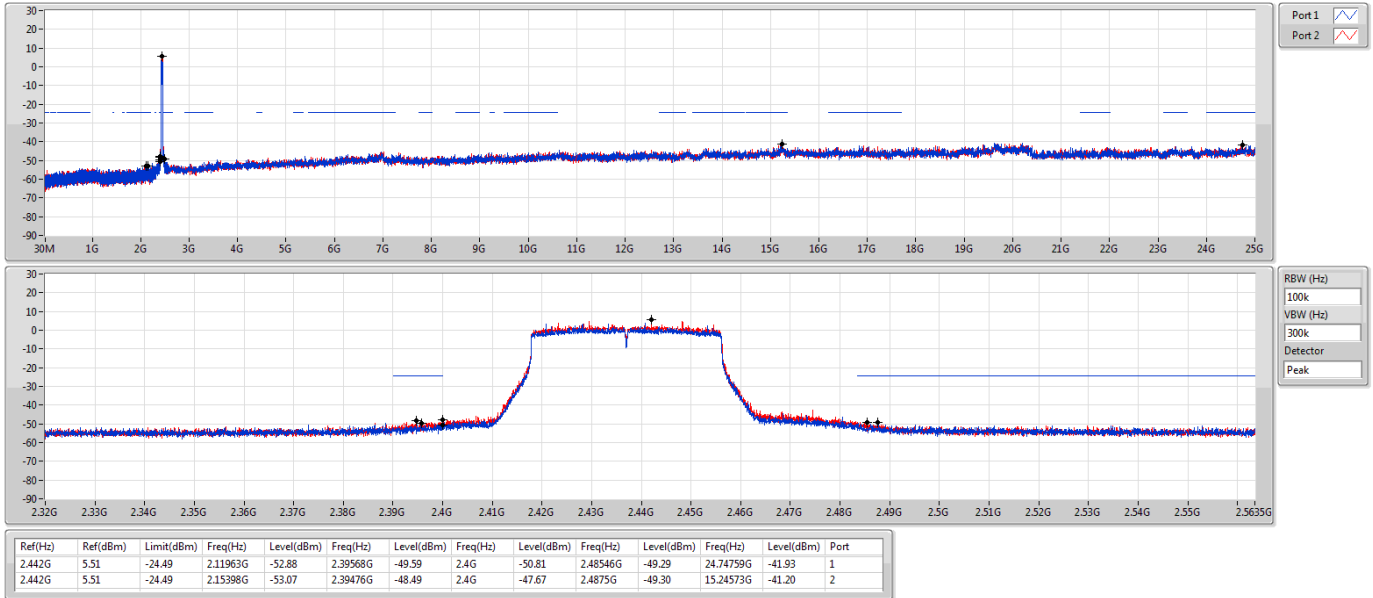


802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz

CSENdB

11/06/2021

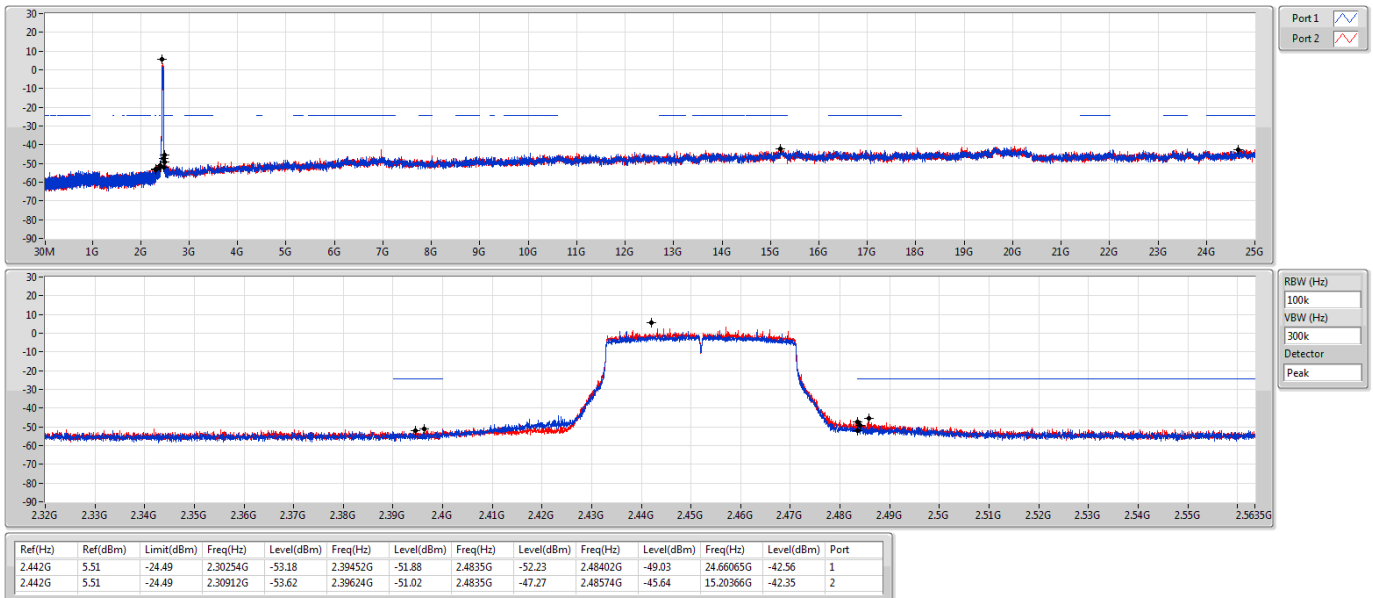


802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz

CSENdB

11/06/2021





Summary

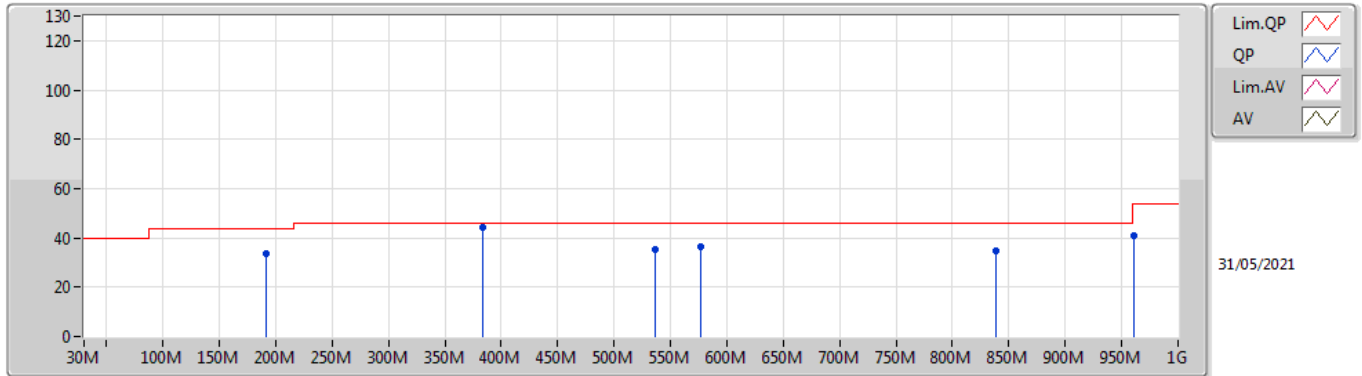
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	QP	383.08M	44.83	46.00	-1.17	3	Horizontal	175	1.70	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	191.02M	33.81	43.50	-9.69	3	Vertical	0	1.00	-
2437MHz	Pass	PK	536.34M	35.37	46.00	-10.63	3	Vertical	0	1.00	-
2437MHz	Pass	PK	577.08M	36.24	46.00	-9.76	3	Vertical	0	1.00	-
2437MHz	Pass	PK	838.98M	34.60	46.00	-11.40	3	Vertical	0	1.00	-
2437MHz	Pass	PK	961.2M	40.81	54.00	-13.19	3	Vertical	0	1.00	-
2437MHz	Pass	QP	383.08M	44.49	46.00	-1.51	3	Vertical	100	1.00	-
2437MHz	Pass	PK	140.58M	34.14	43.50	-9.36	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	191.02M	36.48	43.50	-7.02	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	577.08M	42.77	46.00	-3.23	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	730.34M	37.70	46.00	-8.30	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	961.2M	39.39	54.00	-14.61	3	Horizontal	360	1.00	-
2437MHz	Pass	QP	383.08M	44.83	46.00	-1.17	3	Horizontal	175	1.70	-

802.11ax HEW40_Nss1,(MCS0)_2TX

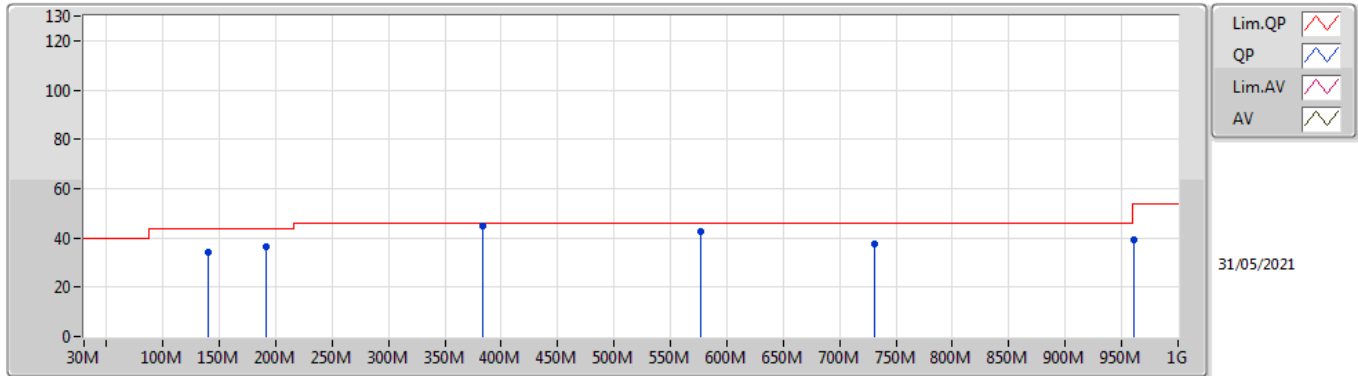
2437MHz_PoE



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	191.02M	33.81	43.50	-9.69	-11.16	3	Vertical	0	1.00	-	44.97	14.28	1.92	27.36
PK	536.34M	35.37	46.00	-10.63	-2.08	3	Vertical	0	1.00	-	37.45	23.10	3.16	28.34
PK	577.08M	36.24	46.00	-9.76	-1.04	3	Vertical	0	1.00	-	37.28	24.01	3.29	28.34
PK	838.98M	34.60	46.00	-11.40	1.78	3	Vertical	0	1.00	-	32.82	25.46	3.97	27.65
PK	961.2M	40.81	54.00	-13.19	3.13	3	Vertical	0	1.00	-	37.68	26.13	4.21	27.21
QP	383.08M	44.49	46.00	-1.51	-4.63	3	Vertical	100	1.00	-	49.12	20.28	2.68	27.59

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_PoE



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	140.58M	34.14	43.50	-9.36	-9.78	3	Horizontal	360	1.00	-	43.92	16.20	1.64	27.62
PK	191.02M	36.48	43.50	-7.02	-11.16	3	Horizontal	360	1.00	-	47.64	14.28	1.92	27.36
PK	577.08M	42.77	46.00	-3.23	-1.04	3	Horizontal	360	1.00	-	43.81	24.01	3.29	28.34
PK	730.34M	37.70	46.00	-8.30	0.28	3	Horizontal	360	1.00	-	37.42	24.66	3.66	28.04
PK	961.2M	39.39	54.00	-14.61	3.13	3	Horizontal	360	1.00	-	36.26	26.13	4.21	27.21
QP	383.08M	44.83	46.00	-1.17	-4.63	3	Horizontal	175	1.70	-	49.46	20.28	2.68	27.59

**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)_2TX	Pass	AV	2.3852G	53.40	54.00	-0.60	3	Vertical	35	1.54	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.4858G	53.93	54.00	-0.07	3	Vertical	42	1.61	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	2.39G	53.93	54.00	-0.07	3	Vertical	61	1.71	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	2.386G	53.89	54.00	-0.11	3	Vertical	64	1.69	-

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)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3852G	53.40	54.00	-0.60	3	Vertical	35	1.54	-
2412MHz	Pass	AV	2.4112G	120.22	Inf	-Inf	3	Vertical	35	1.54	-
2412MHz	Pass	PK	2.3854G	62.19	74.00	-11.81	3	Vertical	35	1.54	-
2412MHz	Pass	PK	2.411G	122.62	Inf	-Inf	3	Vertical	35	1.54	-
2412MHz	Pass	AV	2.384G	46.74	54.00	-7.26	3	Horizontal	53	1.84	-
2412MHz	Pass	AV	2.4128G	105.49	Inf	-Inf	3	Horizontal	53	1.84	-
2412MHz	Pass	PK	2.3798G	58.40	74.00	-15.60	3	Horizontal	53	1.84	-
2412MHz	Pass	PK	2.413G	107.95	Inf	-Inf	3	Horizontal	53	1.84	-
2412MHz	Pass	AV	4.82388G	31.49	54.00	-22.51	3	Vertical	0	2.97	-
2412MHz	Pass	PK	4.81528G	46.07	74.00	-27.93	3	Vertical	0	2.97	-
2412MHz	Pass	AV	4.82388G	33.73	54.00	-20.27	3	Horizontal	345	1.50	-
2412MHz	Pass	PK	4.82384G	44.37	74.00	-29.63	3	Horizontal	345	1.50	-
2417MHz	Pass	AV	2.39G	51.55	54.00	-2.45	3	Vertical	39	1.50	-
2417MHz	Pass	AV	2.4178G	120.48	Inf	-Inf	3	Vertical	39	1.50	-
2417MHz	Pass	PK	2.3882G	61.76	74.00	-12.24	3	Vertical	39	1.50	-
2417MHz	Pass	PK	2.4178G	122.86	Inf	-Inf	3	Vertical	39	1.50	-
2417MHz	Pass	AV	2.3896G	46.26	54.00	-7.74	3	Horizontal	43	2.67	-
2417MHz	Pass	AV	2.4178G	107.19	Inf	-Inf	3	Horizontal	43	2.67	-
2417MHz	Pass	PK	2.3724G	58.60	74.00	-15.40	3	Horizontal	43	2.67	-
2417MHz	Pass	PK	2.4178G	109.57	Inf	-Inf	3	Horizontal	43	2.67	-
2437MHz	Pass	AV	2.3894G	52.42	54.00	-1.58	3	Vertical	26	1.65	-
2437MHz	Pass	AV	2.4362G	122.68	Inf	-Inf	3	Vertical	26	1.65	-
2437MHz	Pass	AV	2.4842G	49.97	54.00	-4.03	3	Vertical	26	1.65	-
2437MHz	Pass	PK	2.3898G	61.65	74.00	-12.35	3	Vertical	26	1.65	-
2437MHz	Pass	PK	2.4362G	125.01	Inf	-Inf	3	Vertical	26	1.65	-
2437MHz	Pass	PK	2.4835G	61.06	74.00	-12.94	3	Vertical	26	1.65	-
2437MHz	Pass	AV	2.3858G	46.49	54.00	-7.51	3	Horizontal	55	1.50	-
2437MHz	Pass	AV	2.4378G	109.34	Inf	-Inf	3	Horizontal	55	1.50	-
2437MHz	Pass	AV	2.4958G	47.03	54.00	-6.97	3	Horizontal	55	1.50	-
2437MHz	Pass	PK	2.3734G	58.60	74.00	-15.40	3	Horizontal	55	1.50	-
2437MHz	Pass	PK	2.4378G	111.69	Inf	-Inf	3	Horizontal	55	1.50	-
2437MHz	Pass	PK	2.487G	58.46	74.00	-15.54	3	Horizontal	55	1.50	-
2437MHz	Pass	AV	4.87389G	33.66	54.00	-20.34	3	Vertical	199	1.50	-
2437MHz	Pass	PK	4.87387G	45.92	74.00	-28.08	3	Vertical	199	1.50	-
2437MHz	Pass	AV	4.87387G	36.69	54.00	-17.31	3	Horizontal	330	1.71	-
2437MHz	Pass	PK	4.87385G	47.97	74.00	-26.03	3	Horizontal	330	1.71	-
2457MHz	Pass	AV	2.4562G	120.59	Inf	-Inf	3	Vertical	40	1.50	-
2457MHz	Pass	AV	2.4858G	51.72	54.00	-2.28	3	Vertical	40	1.50	-
2457MHz	Pass	PK	2.456G	122.96	Inf	-Inf	3	Vertical	40	1.50	-
2457MHz	Pass	PK	2.4856G	62.76	74.00	-11.24	3	Vertical	40	1.50	-
2457MHz	Pass	AV	2.4562G	106.32	Inf	-Inf	3	Horizontal	46	1.50	-
2457MHz	Pass	AV	2.4958G	47.29	54.00	-6.71	3	Horizontal	46	1.50	-
2457MHz	Pass	PK	2.456G	108.73	Inf	-Inf	3	Horizontal	46	1.50	-
2457MHz	Pass	PK	2.493G	59.48	74.00	-14.52	3	Horizontal	46	1.50	-
2462MHz	Pass	AV	2.463G	119.51	Inf	-Inf	3	Vertical	160	1.50	-
2462MHz	Pass	AV	2.4835G	51.55	54.00	-2.45	3	Vertical	160	1.50	-
2462MHz	Pass	PK	2.461G	121.57	Inf	-Inf	3	Vertical	160	1.50	-
2462MHz	Pass	PK	2.4846G	61.53	74.00	-12.47	3	Vertical	160	1.50	-
2462MHz	Pass	AV	2.4612G	106.31	Inf	-Inf	3	Horizontal	32	2.86	-
2462MHz	Pass	AV	2.4835G	47.28	54.00	-6.72	3	Horizontal	32	2.86	-
2462MHz	Pass	PK	2.461G	108.71	Inf	-Inf	3	Horizontal	32	2.86	-
2462MHz	Pass	PK	2.4976G	59.10	74.00	-14.90	3	Horizontal	32	2.86	-
2462MHz	Pass	AV	4.92388G	32.86	54.00	-21.14	3	Vertical	46	1.18	-
2462MHz	Pass	PK	4.92404G	44.84	74.00	-29.16	3	Vertical	46	1.18	-
2462MHz	Pass	AV	4.92392G	32.48	54.00	-21.52	3	Horizontal	330	3.00	-
2462MHz	Pass	PK	4.92764G	48.40	74.00	-25.60	3	Horizontal	330	3.00	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.08	54.00	-0.92	3	Vertical	46	1.78	-
2412MHz	Pass	AV	2.4148G	108.67	Inf	-Inf	3	Vertical	46	1.78	-
2412MHz	Pass	PK	2.3898G	66.19	74.00	-7.81	3	Vertical	46	1.78	-

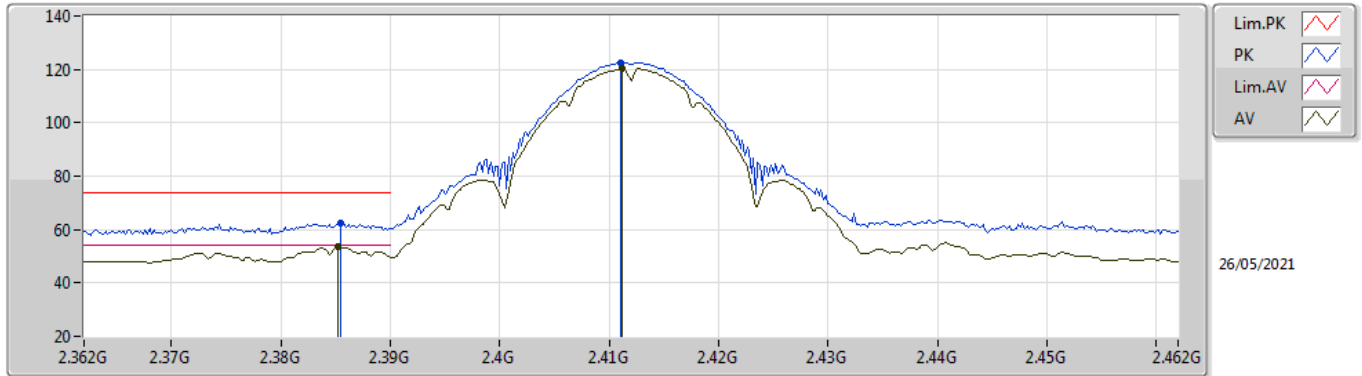
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	2.4146G	118.09	Inf	-Inf	3	Vertical	46	1.78	-
2412MHz	Pass	AV	2.3816G	47.00	54.00	-7.00	3	Horizontal	348	1.82	-
2412MHz	Pass	AV	2.4148G	95.73	Inf	-Inf	3	Horizontal	348	1.82	-
2412MHz	Pass	PK	2.386G	58.56	74.00	-15.44	3	Horizontal	348	1.82	-
2412MHz	Pass	PK	2.415G	104.37	Inf	-Inf	3	Horizontal	348	1.82	-
2412MHz	Pass	AV	4.8245G	38.41	54.00	-15.59	3	Vertical	0	1.78	-
2412MHz	Pass	PK	4.82362G	46.47	74.00	-27.53	3	Vertical	0	1.78	-
2412MHz	Pass	AV	4.8244G	42.34	54.00	-11.66	3	Horizontal	258	1.23	-
2412MHz	Pass	PK	4.82413G	49.51	74.00	-24.49	3	Horizontal	258	1.23	-
2417MHz	Pass	AV	2.39G	53.46	54.00	-0.54	3	Vertical	60	1.66	-
2417MHz	Pass	AV	2.4194G	115.15	Inf	-Inf	3	Vertical	60	1.66	-
2417MHz	Pass	PK	2.3888G	66.64	74.00	-7.36	3	Vertical	60	1.66	-
2417MHz	Pass	PK	2.4196G	123.99	Inf	-Inf	3	Vertical	60	1.66	-
2417MHz	Pass	AV	2.3884G	47.29	54.00	-6.71	3	Horizontal	348	1.82	-
2417MHz	Pass	AV	2.4146G	101.58	Inf	-Inf	3	Horizontal	348	1.82	-
2417MHz	Pass	PK	2.389G	59.12	74.00	-14.88	3	Horizontal	348	1.82	-
2417MHz	Pass	PK	2.4146G	110.50	Inf	-Inf	3	Horizontal	348	1.82	-
2437MHz	Pass	AV	2.3898G	53.82	54.00	-0.18	3	Vertical	42	1.61	-
2437MHz	Pass	AV	2.4362G	118.54	Inf	-Inf	3	Vertical	42	1.61	-
2437MHz	Pass	AV	2.4858G	53.93	54.00	-0.07	3	Vertical	42	1.61	-
2437MHz	Pass	PK	2.3898G	65.97	74.00	-8.03	3	Vertical	42	1.61	-
2437MHz	Pass	PK	2.441G	127.00	Inf	-Inf	3	Vertical	42	1.61	-
2437MHz	Pass	PK	2.4866G	67.06	74.00	-6.94	3	Vertical	42	1.61	-
2437MHz	Pass	AV	2.3898G	47.56	54.00	-6.44	3	Horizontal	346	1.78	-
2437MHz	Pass	AV	2.4398G	105.69	Inf	-Inf	3	Horizontal	346	1.78	-
2437MHz	Pass	AV	2.4962G	48.05	54.00	-5.95	3	Horizontal	346	1.78	-
2437MHz	Pass	PK	2.345G	59.20	74.00	-14.80	3	Horizontal	346	1.78	-
2437MHz	Pass	PK	2.4398G	114.70	Inf	-Inf	3	Horizontal	346	1.78	-
2437MHz	Pass	PK	2.485G	59.73	74.00	-14.27	3	Horizontal	346	1.78	-
2437MHz	Pass	AV	4.87449G	33.66	54.00	-20.34	3	Vertical	338	2.98	-
2437MHz	Pass	PK	4.8739G	45.76	74.00	-28.24	3	Vertical	338	2.98	-
2437MHz	Pass	AV	4.87449G	33.77	54.00	-20.23	3	Horizontal	293	2.29	-
2437MHz	Pass	PK	4.87446G	46.24	74.00	-27.76	3	Horizontal	293	2.29	-
2457MHz	Pass	AV	2.4522G	114.91	Inf	-Inf	3	Vertical	34	1.50	-
2457MHz	Pass	AV	2.4835G	52.61	54.00	-1.39	3	Vertical	34	1.50	-
2457MHz	Pass	PK	2.4524G	123.22	Inf	-Inf	3	Vertical	34	1.50	-
2457MHz	Pass	PK	2.4838G	64.55	74.00	-9.45	3	Vertical	34	1.50	-
2457MHz	Pass	AV	2.4582G	103.88	Inf	-Inf	3	Horizontal	216	2.39	-
2457MHz	Pass	AV	2.4962G	48.74	54.00	-5.26	3	Horizontal	216	2.39	-
2457MHz	Pass	PK	2.4536G	112.98	Inf	-Inf	3	Horizontal	216	2.39	-
2457MHz	Pass	PK	2.4964G	59.93	74.00	-14.07	3	Horizontal	216	2.39	-
2462MHz	Pass	AV	2.4648G	108.61	Inf	-Inf	3	Vertical	72	1.50	-
2462MHz	Pass	AV	2.4836G	53.30	54.00	-0.70	3	Vertical	72	1.50	-
2462MHz	Pass	PK	2.4646G	118.18	Inf	-Inf	3	Vertical	72	1.50	-
2462MHz	Pass	PK	2.4835G	67.50	74.00	-6.50	3	Vertical	72	1.50	-
2462MHz	Pass	AV	2.4632G	97.75	Inf	-Inf	3	Horizontal	216	2.40	-
2462MHz	Pass	AV	2.4956G	47.55	54.00	-6.45	3	Horizontal	216	2.40	-
2462MHz	Pass	PK	2.4586G	107.21	Inf	-Inf	3	Horizontal	216	2.40	-
2462MHz	Pass	PK	2.4962G	59.56	74.00	-14.44	3	Horizontal	216	2.40	-
2462MHz	Pass	AV	4.9235G	34.17	54.00	-19.83	3	Vertical	26	1.50	-
2462MHz	Pass	PK	4.92367G	46.35	74.00	-27.65	3	Vertical	26	1.50	-
2462MHz	Pass	AV	4.92407G	33.38	54.00	-20.62	3	Horizontal	73	2.49	-
2462MHz	Pass	PK	4.92354G	46.24	74.00	-27.76	3	Horizontal	73	2.49	-
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.93	54.00	-0.07	3	Vertical	61	1.71	-
2412MHz	Pass	AV	2.4162G	111.81	Inf	-Inf	3	Vertical	61	1.71	-
2412MHz	Pass	PK	2.39G	68.74	74.00	-5.26	3	Vertical	61	1.71	-
2412MHz	Pass	PK	2.417G	123.69	Inf	-Inf	3	Vertical	61	1.71	-
2412MHz	Pass	AV	2.39G	47.06	54.00	-6.94	3	Horizontal	348	1.84	-
2412MHz	Pass	AV	2.4076G	98.79	Inf	-Inf	3	Horizontal	348	1.84	-
2412MHz	Pass	PK	2.3868G	58.96	74.00	-15.04	3	Horizontal	348	1.84	-
2412MHz	Pass	PK	2.4064G	111.03	Inf	-Inf	3	Horizontal	348	1.84	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	AV	4.82421G	38.09	54.00	-15.91	3	Vertical	235	1.31	-
2412MHz	Pass	PK	4.82385G	46.57	74.00	-27.43	3	Vertical	235	1.31	-
2412MHz	Pass	AV	4.82424G	38.22	54.00	-15.78	3	Horizontal	298	1.64	-
2412MHz	Pass	PK	4.82448G	46.74	74.00	-27.26	3	Horizontal	298	1.64	-
2417MHz	Pass	AV	2.39G	53.58	54.00	-0.42	3	Vertical	63	1.70	-
2417MHz	Pass	AV	2.421G	114.67	Inf	-Inf	3	Vertical	63	1.70	-
2417MHz	Pass	PK	2.3898G	67.35	74.00	-6.65	3	Vertical	63	1.70	-
2417MHz	Pass	PK	2.4222G	126.36	Inf	-Inf	3	Vertical	63	1.70	-
2417MHz	Pass	AV	2.3896G	47.06	54.00	-6.94	3	Horizontal	348	1.83	-
2417MHz	Pass	AV	2.413G	102.74	Inf	-Inf	3	Horizontal	348	1.83	-
2417MHz	Pass	PK	2.3818G	59.56	74.00	-14.44	3	Horizontal	348	1.83	-
2417MHz	Pass	PK	2.4116G	114.63	Inf	-Inf	3	Horizontal	348	1.83	-
2437MHz	Pass	AV	2.3862G	52.65	54.00	-1.35	3	Vertical	39	1.65	-
2437MHz	Pass	AV	2.435G	118.16	Inf	-Inf	3	Vertical	39	1.65	-
2437MHz	Pass	AV	2.485G	53.81	54.00	-0.19	3	Vertical	39	1.65	-
2437MHz	Pass	PK	2.385G	66.50	74.00	-7.50	3	Vertical	39	1.65	-
2437MHz	Pass	PK	2.4362G	129.48	Inf	-Inf	3	Vertical	39	1.65	-
2437MHz	Pass	PK	2.4842G	67.58	74.00	-6.42	3	Vertical	39	1.65	-
2437MHz	Pass	AV	2.3898G	47.56	54.00	-6.44	3	Horizontal	347	1.95	-
2437MHz	Pass	AV	2.433G	105.34	Inf	-Inf	3	Horizontal	347	1.95	-
2437MHz	Pass	AV	2.4835G	47.79	54.00	-6.21	3	Horizontal	347	1.95	-
2437MHz	Pass	PK	2.3874G	59.16	74.00	-14.84	3	Horizontal	347	1.95	-
2437MHz	Pass	PK	2.4422G	117.52	Inf	-Inf	3	Horizontal	347	1.95	-
2437MHz	Pass	PK	2.4942G	59.49	74.00	-14.51	3	Horizontal	347	1.95	-
2437MHz	Pass	AV	4.87358G	32.61	54.00	-21.39	3	Vertical	147	1.83	-
2437MHz	Pass	PK	4.87351G	45.31	74.00	-28.69	3	Vertical	147	1.83	-
2437MHz	Pass	AV	4.87391G	32.73	54.00	-21.27	3	Horizontal	14	1.85	-
2437MHz	Pass	PK	4.87417G	46.08	74.00	-27.92	3	Horizontal	14	1.85	-
2457MHz	Pass	AV	2.46G	113.34	Inf	-Inf	3	Vertical	172	1.45	-
2457MHz	Pass	AV	2.4835G	52.75	54.00	-1.25	3	Vertical	172	1.45	-
2457MHz	Pass	PK	2.4596G	125.81	Inf	-Inf	3	Vertical	172	1.45	-
2457MHz	Pass	PK	2.4835G	64.47	74.00	-9.53	3	Vertical	172	1.45	-
2457MHz	Pass	AV	2.4592G	104.43	Inf	-Inf	3	Horizontal	216	2.40	-
2457MHz	Pass	AV	2.4958G	47.55	54.00	-6.45	3	Horizontal	216	2.40	-
2457MHz	Pass	PK	2.4592G	116.89	Inf	-Inf	3	Horizontal	216	2.40	-
2457MHz	Pass	PK	2.4972G	60.58	74.00	-13.42	3	Horizontal	216	2.40	-
2462MHz	Pass	AV	2.4666G	110.58	Inf	-Inf	3	Vertical	73	1.50	-
2462MHz	Pass	AV	2.4835G	53.43	54.00	-0.57	3	Vertical	73	1.50	-
2462MHz	Pass	PK	2.4672G	122.78	Inf	-Inf	3	Vertical	73	1.50	-
2462MHz	Pass	PK	2.4836G	67.82	74.00	-6.18	3	Vertical	73	1.50	-
2462MHz	Pass	AV	2.4644G	101.76	Inf	-Inf	3	Horizontal	218	2.40	-
2462MHz	Pass	AV	2.4835G	48.73	54.00	-5.27	3	Horizontal	218	2.40	-
2462MHz	Pass	PK	2.4642G	113.96	Inf	-Inf	3	Horizontal	218	2.40	-
2462MHz	Pass	PK	2.4835G	61.22	74.00	-12.78	3	Horizontal	218	2.40	-
2462MHz	Pass	AV	4.92428G	35.97	54.00	-18.03	3	Vertical	252	2.04	-
2462MHz	Pass	PK	4.92411G	45.69	74.00	-28.31	3	Vertical	252	2.04	-
2462MHz	Pass	AV	4.924G	36.14	54.00	-17.86	3	Horizontal	186	1.16	-
2462MHz	Pass	PK	4.92381G	45.48	74.00	-28.52	3	Horizontal	186	1.16	-
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.386G	53.89	54.00	-0.11	3	Vertical	64	1.69	-
2422MHz	Pass	AV	2.426G	105.37	Inf	-Inf	3	Vertical	64	1.69	-
2422MHz	Pass	AV	2.496G	48.05	54.00	-5.95	3	Vertical	64	1.69	-
2422MHz	Pass	PK	2.386G	66.77	74.00	-7.23	3	Vertical	64	1.69	-
2422MHz	Pass	PK	2.426G	116.93	Inf	-Inf	3	Vertical	64	1.69	-
2422MHz	Pass	PK	2.4964G	60.52	74.00	-13.48	3	Vertical	64	1.69	-
2422MHz	Pass	AV	2.3872G	47.03	54.00	-6.97	3	Horizontal	222	2.06	-
2422MHz	Pass	AV	2.436G	93.22	Inf	-Inf	3	Horizontal	222	2.06	-
2422MHz	Pass	AV	2.496G	47.03	54.00	-6.97	3	Horizontal	222	2.06	-
2422MHz	Pass	PK	2.3272G	59.09	74.00	-14.91	3	Horizontal	222	2.06	-
2422MHz	Pass	PK	2.4264G	104.53	Inf	-Inf	3	Horizontal	222	2.06	-
2422MHz	Pass	PK	2.4936G	58.81	74.00	-15.19	3	Horizontal	222	2.06	-
2422MHz	Pass	AV	4.84404G	39.46	54.00	-14.54	3	Vertical	151	1.23	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2422MHz	Pass	PK	4.84439G	48.68	74.00	-25.32	3	Vertical	151	1.23	-
2422MHz	Pass	AV	4.843G	32.67	54.00	-21.33	3	Horizontal	266	2.10	-
2422MHz	Pass	PK	4.84332G	47.92	74.00	-26.08	3	Horizontal	266	2.10	-
2427MHz	Pass	AV	2.3862G	53.89	54.00	-0.11	3	Vertical	39	1.60	-
2427MHz	Pass	AV	2.4354G	106.38	Inf	-Inf	3	Vertical	39	1.60	-
2427MHz	Pass	AV	2.4962G	48.96	54.00	-5.04	3	Vertical	39	1.60	-
2427MHz	Pass	PK	2.3862G	66.24	74.00	-7.76	3	Vertical	39	1.60	-
2427MHz	Pass	PK	2.4366G	117.54	Inf	-Inf	3	Vertical	39	1.60	-
2427MHz	Pass	PK	2.4946G	59.75	74.00	-14.25	3	Vertical	39	1.60	-
2427MHz	Pass	AV	2.3282G	46.81	54.00	-7.19	3	Horizontal	54	1.04	-
2427MHz	Pass	AV	2.4286G	92.74	Inf	-Inf	3	Horizontal	54	1.04	-
2427MHz	Pass	AV	2.4958G	47.03	54.00	-6.97	3	Horizontal	54	1.04	-
2427MHz	Pass	PK	2.3798G	59.37	74.00	-14.63	3	Horizontal	54	1.04	-
2427MHz	Pass	PK	2.4182G	104.43	Inf	-Inf	3	Horizontal	54	1.04	-
2427MHz	Pass	PK	2.4914G	58.46	74.00	-15.54	3	Horizontal	54	1.04	-
2437MHz	Pass	AV	2.387G	49.27	54.00	-4.73	3	Vertical	42	1.65	-
2437MHz	Pass	AV	2.4346G	107.33	Inf	-Inf	3	Vertical	42	1.65	-
2437MHz	Pass	AV	2.4835G	53.56	54.00	-0.44	3	Vertical	42	1.65	-
2437MHz	Pass	PK	2.389G	64.06	74.00	-9.94	3	Vertical	42	1.65	-
2437MHz	Pass	PK	2.4338G	118.95	Inf	-Inf	3	Vertical	42	1.65	-
2437MHz	Pass	PK	2.4835G	66.18	74.00	-7.82	3	Vertical	42	1.65	-
2437MHz	Pass	AV	2.3878G	46.77	54.00	-7.23	3	Horizontal	44	1.62	-
2437MHz	Pass	AV	2.4354G	93.89	Inf	-Inf	3	Horizontal	44	1.62	-
2437MHz	Pass	AV	2.4962G	48.29	54.00	-5.71	3	Horizontal	44	1.62	-
2437MHz	Pass	PK	2.3458G	58.40	74.00	-15.60	3	Horizontal	44	1.62	-
2437MHz	Pass	PK	2.4362G	106.01	Inf	-Inf	3	Horizontal	44	1.62	-
2437MHz	Pass	PK	2.4846G	59.92	74.00	-14.08	3	Horizontal	44	1.62	-
2437MHz	Pass	AV	4.87384G	33.99	54.00	-20.01	3	Vertical	244	2.50	-
2437MHz	Pass	PK	4.87489G	45.57	74.00	-28.43	3	Vertical	244	2.50	-
2437MHz	Pass	AV	4.8741G	33.44	54.00	-20.56	3	Horizontal	198	1.36	-
2437MHz	Pass	PK	4.87405G	45.65	74.00	-28.35	3	Horizontal	198	1.36	-
2447MHz	Pass	AV	2.389G	47.79	54.00	-6.21	3	Vertical	24	1.89	-
2447MHz	Pass	AV	2.4454G	105.04	Inf	-Inf	3	Vertical	24	1.89	-
2447MHz	Pass	AV	2.4842G	53.17	54.00	-0.83	3	Vertical	24	1.89	-
2447MHz	Pass	PK	2.3862G	60.70	74.00	-13.30	3	Vertical	24	1.89	-
2447MHz	Pass	PK	2.4458G	116.72	Inf	-Inf	3	Vertical	24	1.89	-
2447MHz	Pass	PK	2.4842G	65.37	74.00	-8.63	3	Vertical	24	1.89	-
2447MHz	Pass	AV	2.347G	46.58	54.00	-7.42	3	Horizontal	52	2.46	-
2447MHz	Pass	AV	2.4442G	91.97	Inf	-Inf	3	Horizontal	52	2.46	-
2447MHz	Pass	AV	2.4958G	48.05	54.00	-5.95	3	Horizontal	52	2.46	-
2447MHz	Pass	PK	2.3722G	58.54	74.00	-15.46	3	Horizontal	52	2.46	-
2447MHz	Pass	PK	2.4462G	103.53	Inf	-Inf	3	Horizontal	52	2.46	-
2447MHz	Pass	PK	2.4898G	58.88	74.00	-15.12	3	Horizontal	52	2.46	-
2452MHz	Pass	AV	2.39G	47.07	54.00	-6.93	3	Vertical	34	1.61	-
2452MHz	Pass	AV	2.4412G	104.30	Inf	-Inf	3	Vertical	34	1.61	-
2452MHz	Pass	AV	2.4835G	53.56	54.00	-0.44	3	Vertical	34	1.61	-
2452MHz	Pass	PK	2.3624G	59.29	74.00	-14.71	3	Vertical	34	1.61	-
2452MHz	Pass	PK	2.4412G	116.13	Inf	-Inf	3	Vertical	34	1.61	-
2452MHz	Pass	PK	2.4872G	66.18	74.00	-7.82	3	Vertical	34	1.61	-
2452MHz	Pass	AV	2.39G	46.54	54.00	-7.46	3	Horizontal	33	2.25	-
2452MHz	Pass	AV	2.4564G	93.34	Inf	-Inf	3	Horizontal	33	2.25	-
2452MHz	Pass	AV	2.496G	48.74	54.00	-5.26	3	Horizontal	33	2.25	-
2452MHz	Pass	PK	2.356G	58.27	74.00	-15.73	3	Horizontal	33	2.25	-
2452MHz	Pass	PK	2.4568G	105.15	Inf	-Inf	3	Horizontal	33	2.25	-
2452MHz	Pass	PK	2.4868G	59.79	74.00	-14.21	3	Horizontal	33	2.25	-
2452MHz	Pass	AV	4.90421G	38.22	54.00	-15.78	3	Vertical	22	2.26	-
2452MHz	Pass	PK	4.90426G	46.81	74.00	-27.19	3	Vertical	22	2.26	-
2452MHz	Pass	AV	4.90358G	38.07	54.00	-15.93	3	Horizontal	176	2.10	-
2452MHz	Pass	PK	4.90388G	45.47	74.00	-28.53	3	Horizontal	176	2.10	-

802.11b_Nss1,(1Mbps)_2TX

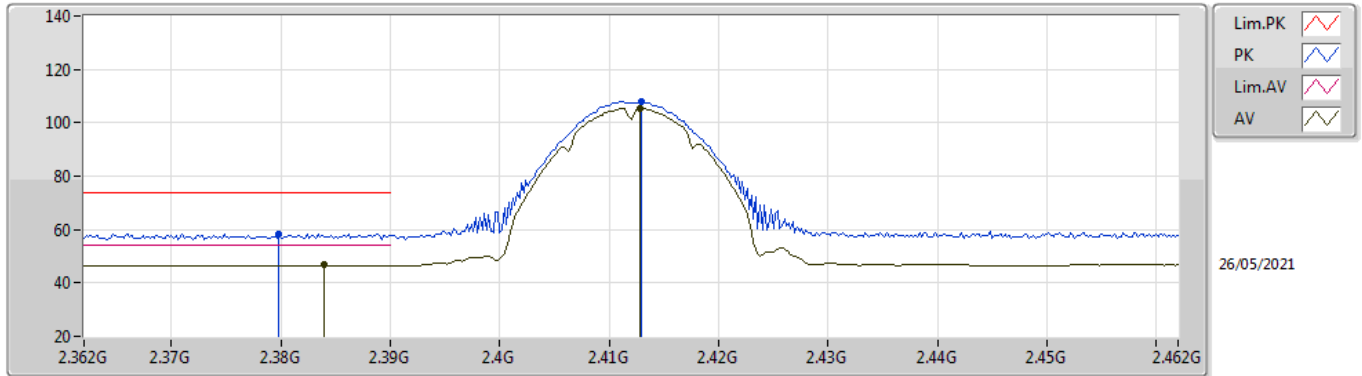
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3852G	53.40	54.00	-0.60	0.57	3	Vertical	35	1.54	-	52.83	27.63	7.25	34.31
AV	2.4112G	120.22	Inf	-Inf	0.51	3	Vertical	35	1.54	-	119.71	27.56	7.27	34.32
PK	2.3854G	62.19	74.00	-11.81	0.57	3	Vertical	35	1.54	-	61.62	27.63	7.25	34.31
PK	2.411G	122.62	Inf	-Inf	0.51	3	Vertical	35	1.54	-	122.11	27.56	7.27	34.32

802.11b_Nss1,(1Mbps)_2TX

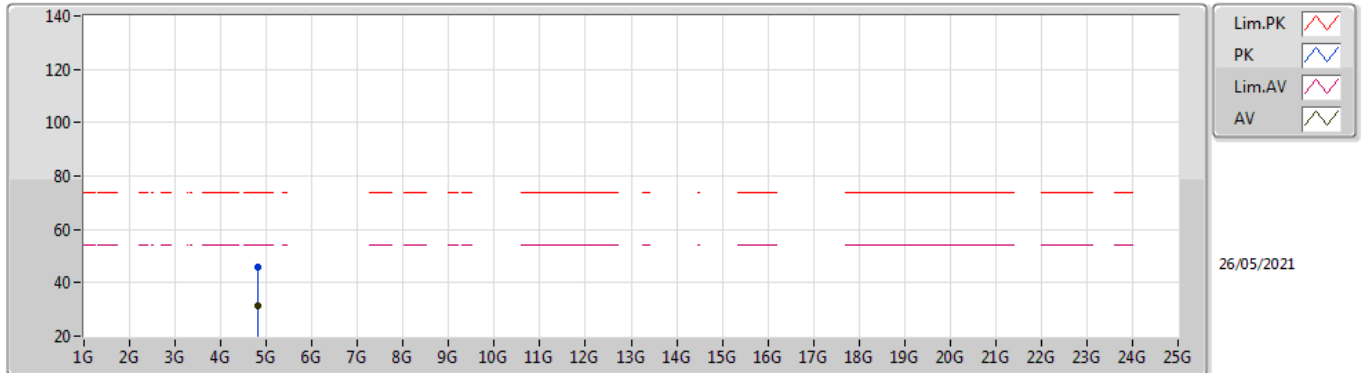
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.384G	46.74	54.00	-7.26	0.57	3	Horizontal	53	1.84	-	46.17	27.63	7.25	34.31
AV	2.4128G	105.49	Inf	-Inf	0.50	3	Horizontal	53	1.84	-	104.99	27.55	7.27	34.32
PK	2.3798G	58.40	74.00	-15.60	0.58	3	Horizontal	53	1.84	-	57.82	27.64	7.25	34.31
PK	2.413G	107.95	Inf	-Inf	0.50	3	Horizontal	53	1.84	-	107.45	27.55	7.27	34.32

802.11b_Nss1,(1Mbps)_2TX

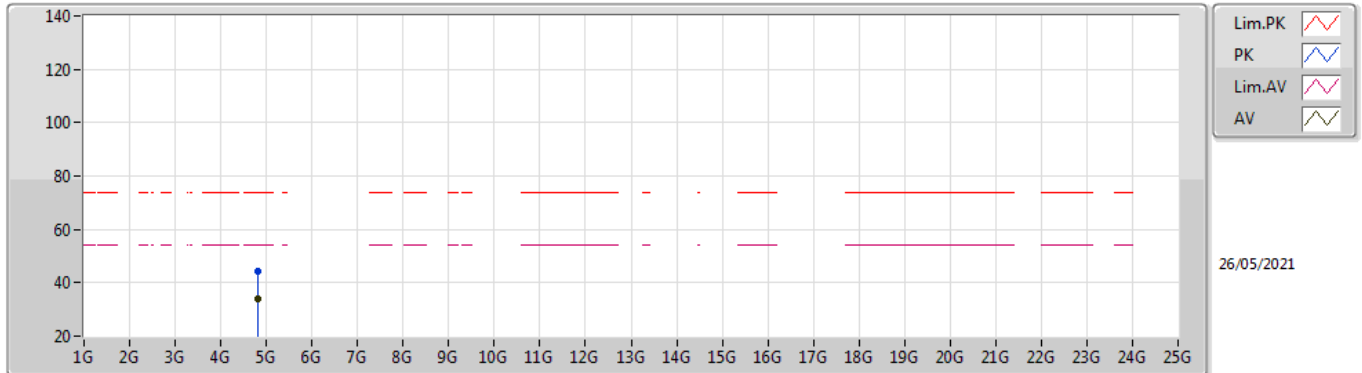
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82388G	31.49	54.00	-22.51	5.64	3	Vertical	0	2.97	-	25.85	31.00	8.92	34.28
PK	4.81528G	46.07	74.00	-27.93	5.59	3	Vertical	0	2.97	-	40.48	30.96	8.91	34.28

802.11b_Nss1,(1Mbps)_2TX

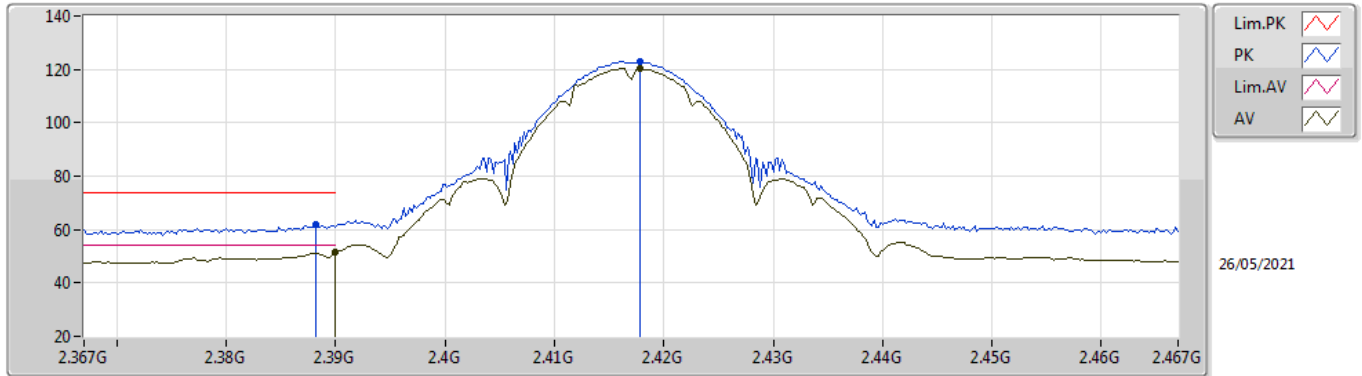
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82388G	33.73	54.00	-20.27	5.64	3	Horizontal	345	1.50	-	28.09	31.00	8.92	34.28
PK	4.82384G	44.37	74.00	-29.63	5.64	3	Horizontal	345	1.50	-	38.73	31.00	8.92	34.28

802.11b_Nss1,(1Mbps)_2TX

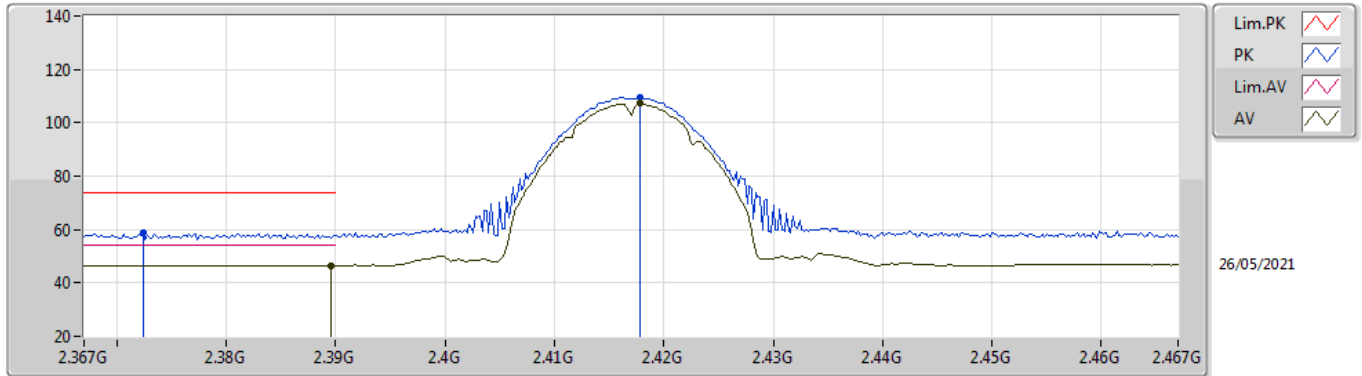
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	51.55	54.00	-2.45	0.57	3	Vertical	39	1.50	-	50.98	27.62	7.26	34.31
AV	2.4178G	120.48	Inf	-Inf	0.48	3	Vertical	39	1.50	-	120.00	27.53	7.27	34.32
PK	2.3882G	61.76	74.00	-12.24	0.56	3	Vertical	39	1.50	-	61.20	27.62	7.25	34.31
PK	2.4178G	122.86	Inf	-Inf	0.48	3	Vertical	39	1.50	-	122.38	27.53	7.27	34.32

802.11b_Nss1,(1Mbps)_2TX

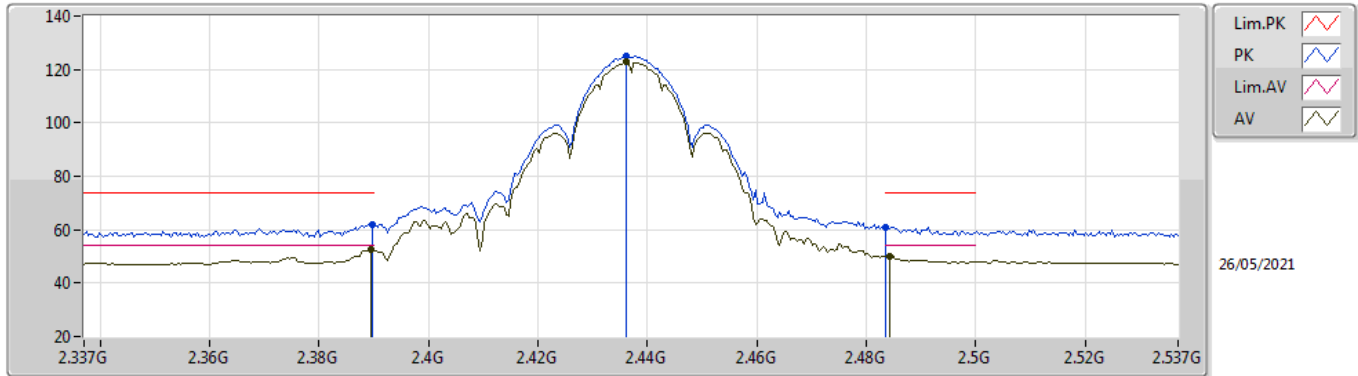
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3896G	46.26	54.00	-7.74	0.57	3	Horizontal	43	2.67	-	45.69	27.62	7.26	34.31
AV	2.4178G	107.19	Inf	-Inf	0.48	3	Horizontal	43	2.67	-	106.71	27.53	7.27	34.32
PK	2.3724G	58.60	74.00	-15.40	0.60	3	Horizontal	43	2.67	-	58.00	27.66	7.25	34.31
PK	2.4178G	109.57	Inf	-Inf	0.48	3	Horizontal	43	2.67	-	109.09	27.53	7.27	34.32

802.11b_Nss1,(1Mbps)_2TX

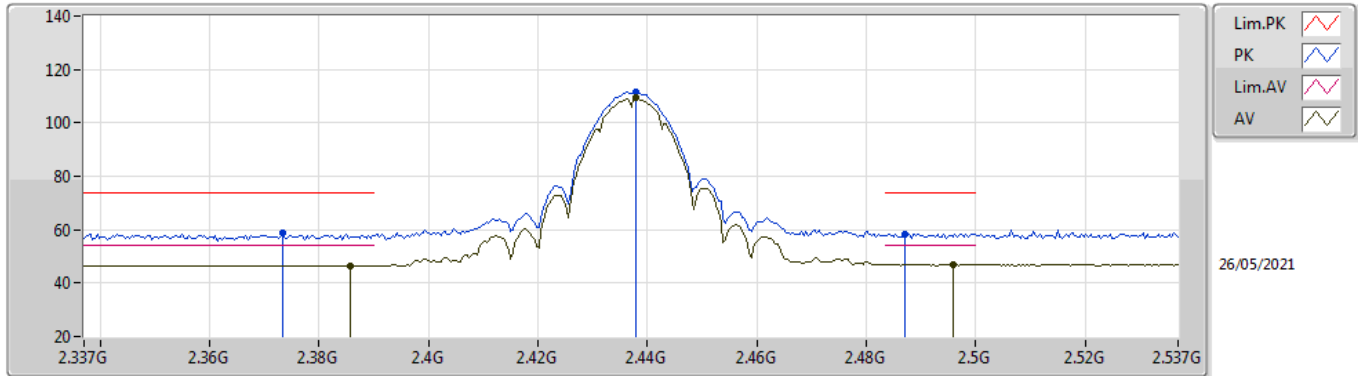
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3894G	52.42	54.00	-1.58	0.57	3	Vertical	26	1.65	-	51.85	27.62	7.26	34.31
AV	2.4362G	122.68	Inf	-Inf	0.43	3	Vertical	26	1.65	-	122.25	27.46	7.29	34.32
AV	2.4842G	49.97	54.00	-4.03	0.39	3	Vertical	26	1.65	-	49.58	27.40	7.33	34.34
PK	2.3898G	61.65	74.00	-12.35	0.57	3	Vertical	26	1.65	-	61.08	27.62	7.26	34.31
PK	2.4362G	125.01	Inf	-Inf	0.43	3	Vertical	26	1.65	-	124.58	27.46	7.29	34.32
PK	2.4835G	61.06	74.00	-12.94	0.39	3	Vertical	26	1.65	-	60.67	27.40	7.33	34.34

802.11b_Nss1,(1Mbps)_2TX

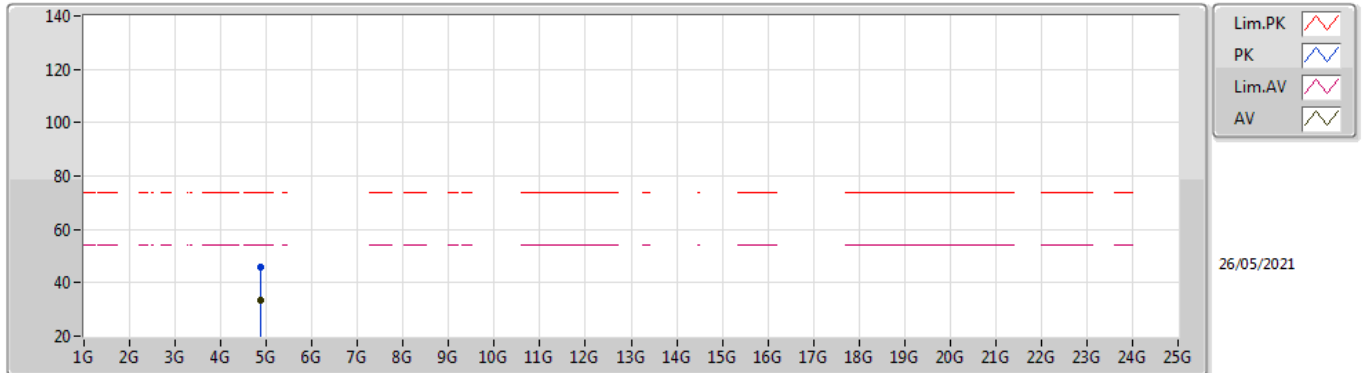
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3858G	46.49	54.00	-7.51	0.57	3	Horizontal	55	1.50	-	45.92	27.63	7.25	34.31
AV	2.4378G	109.34	Inf	-Inf	0.41	3	Horizontal	55	1.50	-	108.93	27.45	7.29	34.33
AV	2.4958G	47.03	54.00	-6.97	0.40	3	Horizontal	55	1.50	-	46.63	27.40	7.34	34.34
PK	2.3734G	58.60	74.00	-15.40	0.59	3	Horizontal	55	1.50	-	58.01	27.65	7.25	34.31
PK	2.4378G	111.69	Inf	-Inf	0.41	3	Horizontal	55	1.50	-	111.28	27.45	7.29	34.33
PK	2.487G	58.46	74.00	-15.54	0.39	3	Horizontal	55	1.50	-	58.07	27.40	7.33	34.34

802.11b_Nss1,(1Mbps)_2TX

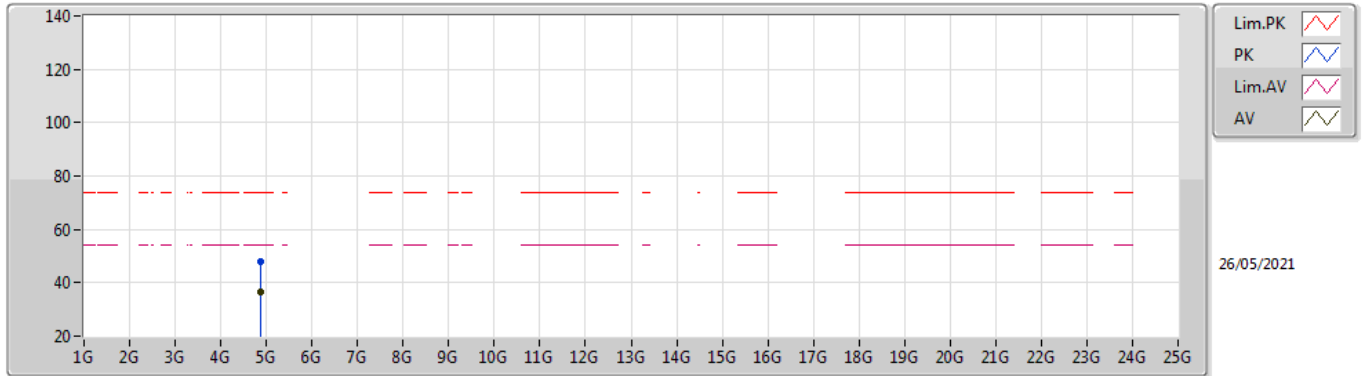
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87389G	33.66	54.00	-20.34	5.75	3	Vertical	199	1.50	-	27.91	31.05	8.96	34.26
PK	4.87387G	45.92	74.00	-28.08	5.75	3	Vertical	199	1.50	-	40.17	31.05	8.96	34.26

802.11b_Nss1,(1Mbps)_2TX

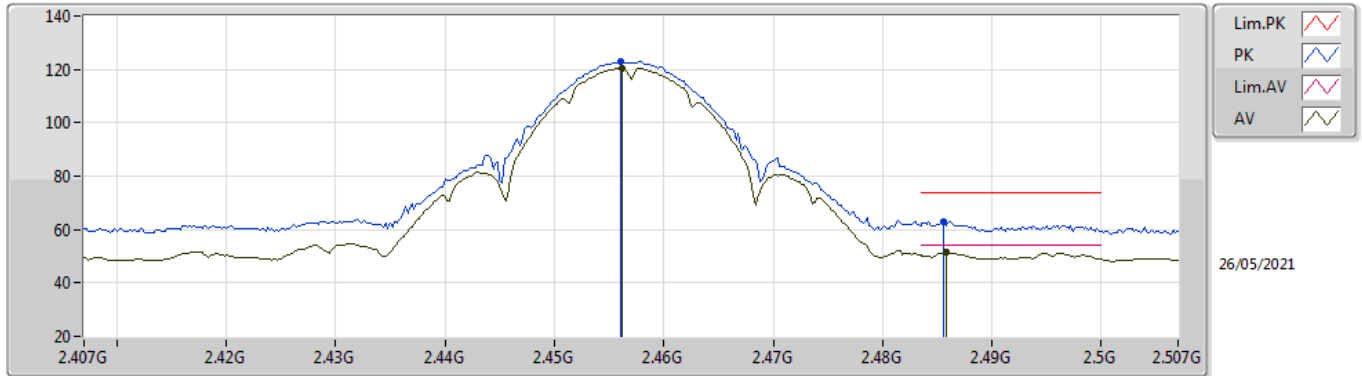
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87387G	36.69	54.00	-17.31	5.75	3	Horizontal	330	1.71	-	30.94	31.05	8.96	34.26
PK	4.87385G	47.97	74.00	-26.03	5.75	3	Horizontal	330	1.71	-	42.22	31.05	8.96	34.26

802.11b_Nss1,(1Mbps)_2TX

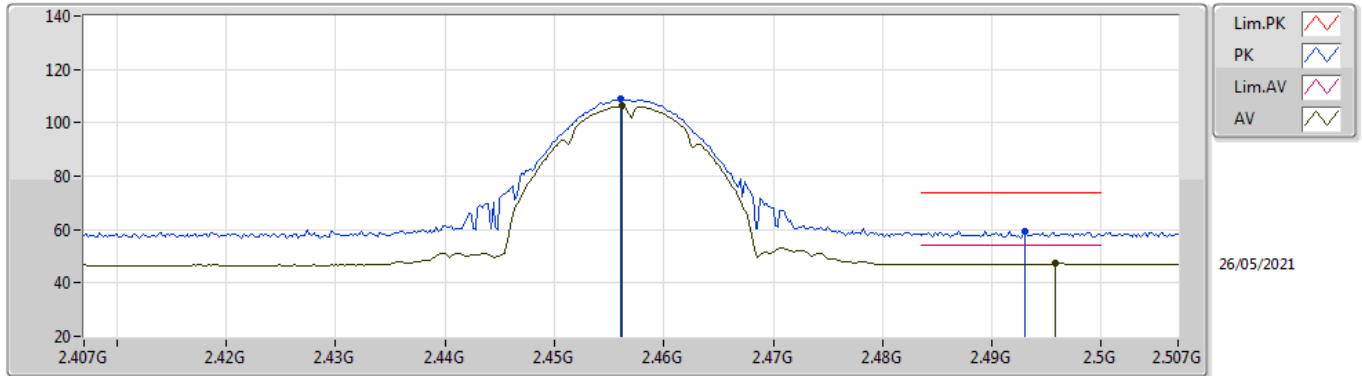
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4562G	120.59	Inf	-Inf	0.37	3	Vertical	40	1.50	-	120.22	27.40	7.30	34.33
AV	2.4858G	51.72	54.00	-2.28	0.39	3	Vertical	40	1.50	-	51.33	27.40	7.33	34.34
PK	2.456G	122.96	Inf	-Inf	0.37	3	Vertical	40	1.50	-	122.59	27.40	7.30	34.33
PK	2.4856G	62.76	74.00	-11.24	0.39	3	Vertical	40	1.50	-	62.37	27.40	7.33	34.34

802.11b_Nss1,(1Mbps)_2TX

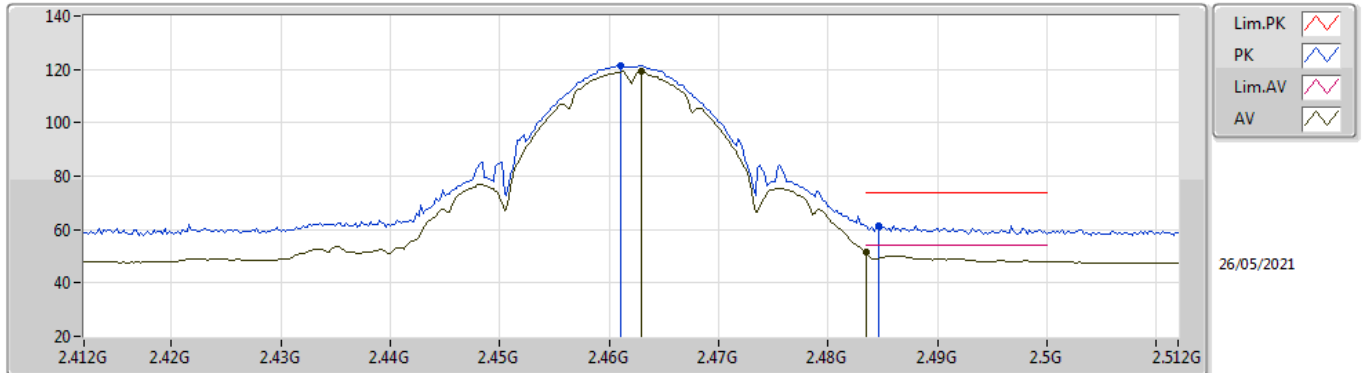
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4562G	106.32	Inf	-Inf	0.37	3	Horizontal	46	1.50	-	105.95	27.40	7.30	34.33
AV	2.4958G	47.29	54.00	-6.71	0.40	3	Horizontal	46	1.50	-	46.89	27.40	7.34	34.34
PK	2.456G	108.73	Inf	-Inf	0.37	3	Horizontal	46	1.50	-	108.36	27.40	7.30	34.33
PK	2.493G	59.48	74.00	-14.52	0.39	3	Horizontal	46	1.50	-	59.09	27.40	7.33	34.34

802.11b_Nss1,(1Mbps)_2TX

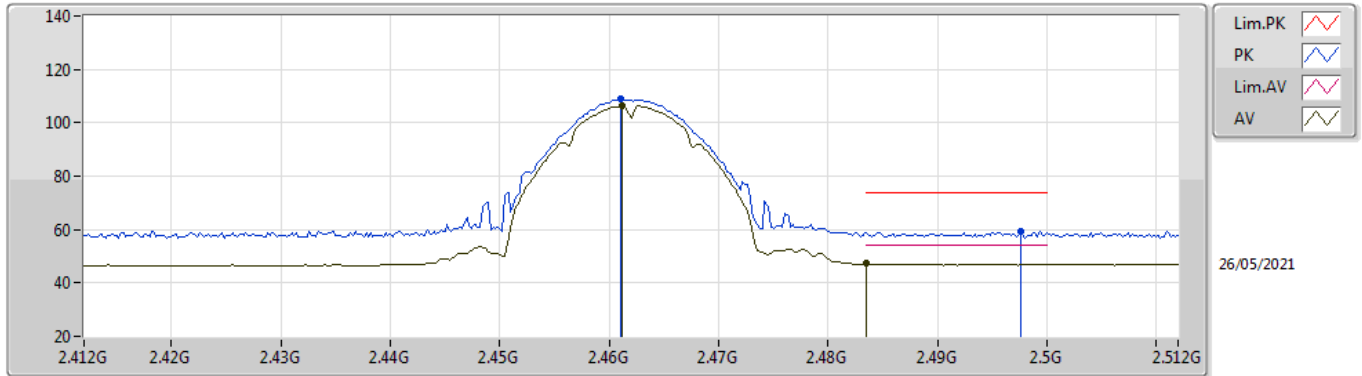
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.463G	119.51	Inf	-Inf	0.38	3	Vertical	160	1.50	-	119.13	27.40	7.31	34.33
AV	2.4835G	51.55	54.00	-2.45	0.39	3	Vertical	160	1.50	-	51.16	27.40	7.33	34.34
PK	2.461G	121.57	Inf	-Inf	0.38	3	Vertical	160	1.50	-	121.19	27.40	7.31	34.33
PK	2.4846G	61.53	74.00	-12.47	0.39	3	Vertical	160	1.50	-	61.14	27.40	7.33	34.34

802.11b_Nss1,(1Mbps)_2TX

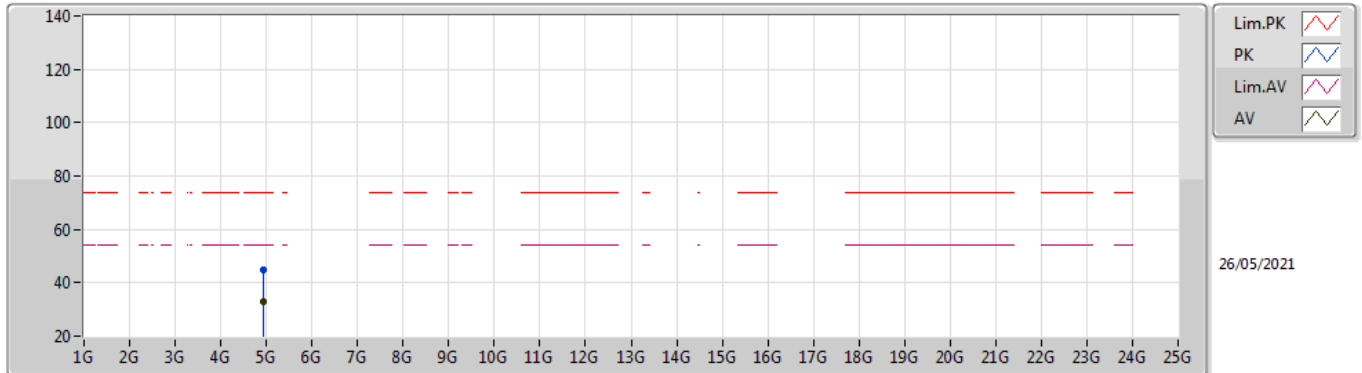
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4612G	106.31	Inf	-Inf	0.38	3	Horizontal	32	2.86	-	105.93	27.40	7.31	34.33
AV	2.4835G	47.28	54.00	-6.72	0.39	3	Horizontal	32	2.86	-	46.89	27.40	7.33	34.34
PK	2.461G	108.71	Inf	-Inf	0.38	3	Horizontal	32	2.86	-	108.33	27.40	7.31	34.33
PK	2.4976G	59.10	74.00	-14.90	0.40	3	Horizontal	32	2.86	-	58.70	27.40	7.34	34.34

802.11b_Nss1,(1Mbps)_2TX

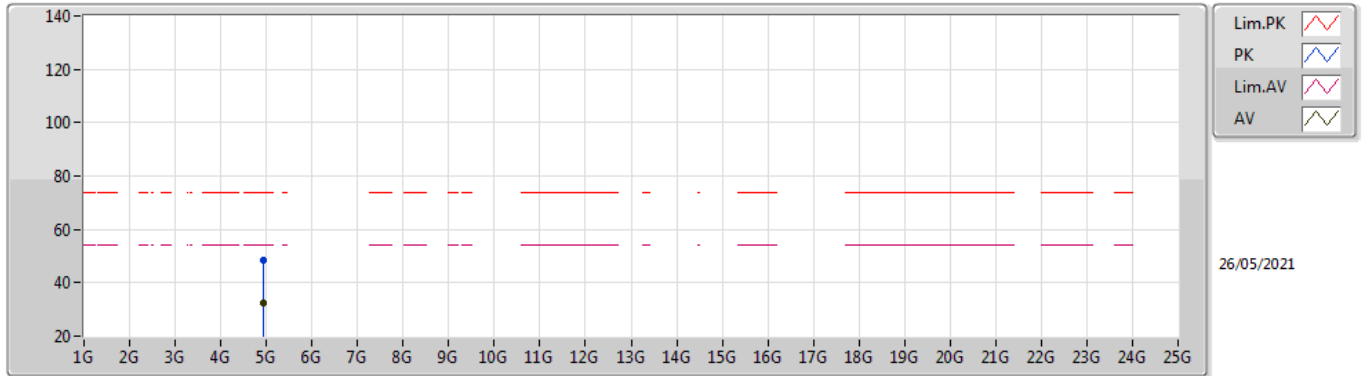
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92388G	32.86	54.00	-21.14	5.84	3	Vertical	46	1.18	-	27.02	31.10	8.99	34.25
PK	4.92404G	44.84	74.00	-29.16	5.84	3	Vertical	46	1.18	-	39.00	31.10	8.99	34.25

802.11b_Nss1,(1Mbps)_2TX

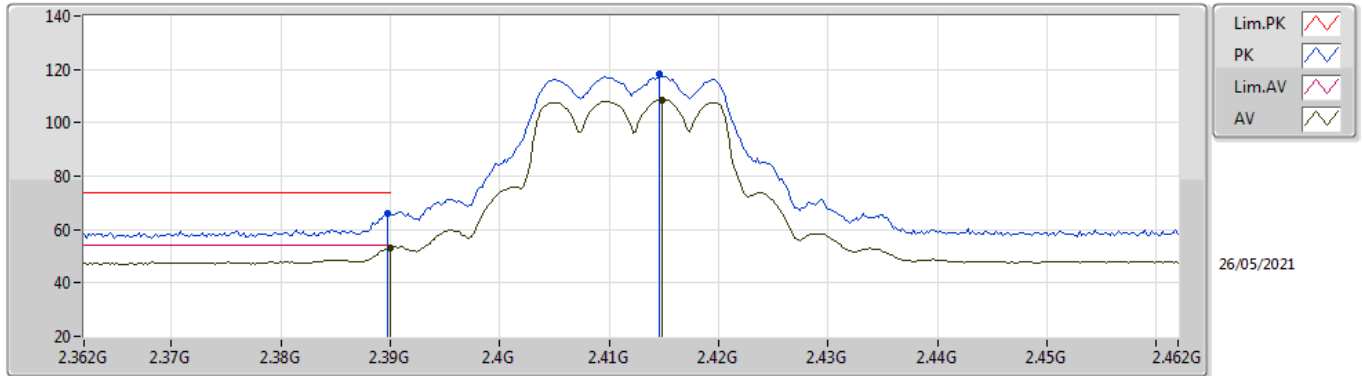
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92392G	32.48	54.00	-21.52	5.84	3	Horizontal	330	3.00	-	26.64	31.10	8.99	34.25
PK	4.92764G	48.40	74.00	-25.60	5.87	3	Horizontal	330	3.00	-	42.53	31.11	9.00	34.24

802.11g_Nss1,(6Mbps)_2TX

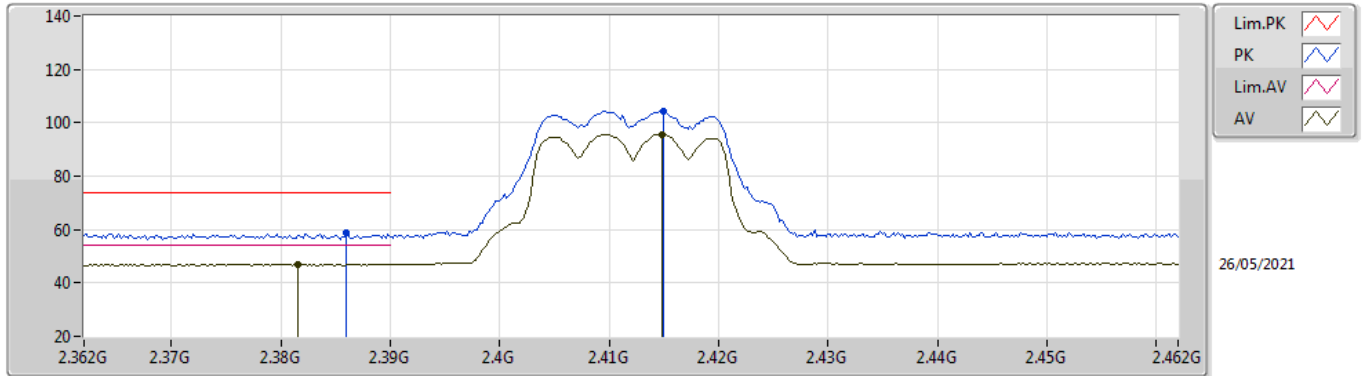
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.08	54.00	-0.92	0.57	3	Vertical	46	1.78	-	52.51	27.62	7.26	34.31
AV	2.4148G	108.67	Inf	-Inf	0.49	3	Vertical	46	1.78	-	108.18	27.54	7.27	34.32
PK	2.3898G	66.19	74.00	-7.81	0.57	3	Vertical	46	1.78	-	65.62	27.62	7.26	34.31
PK	2.4146G	118.09	Inf	-Inf	0.49	3	Vertical	46	1.78	-	117.60	27.54	7.27	34.32

802.11g_Nss1,(6Mbps)_2TX

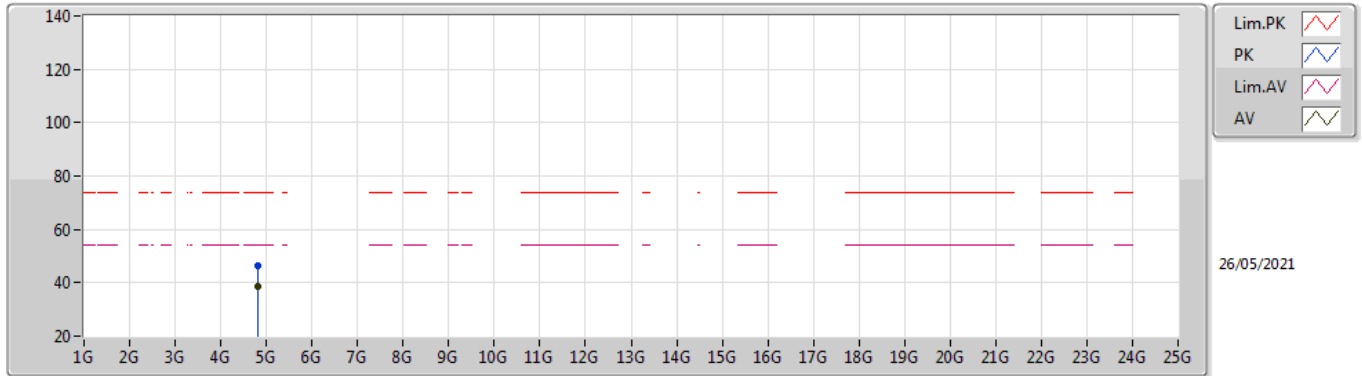
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3816G	47.00	54.00	-7.00	0.58	3	Horizontal	348	1.82	-	46.42	27.64	7.25	34.31
AV	2.4148G	95.73	Inf	-Inf	0.49	3	Horizontal	348	1.82	-	95.24	27.54	7.27	34.32
PK	2.386G	58.56	74.00	-15.44	0.57	3	Horizontal	348	1.82	-	57.99	27.63	7.25	34.31
PK	2.415G	104.37	Inf	-Inf	0.49	3	Horizontal	348	1.82	-	103.88	27.54	7.27	34.32

802.11g_Nss1,(6Mbps)_2TX

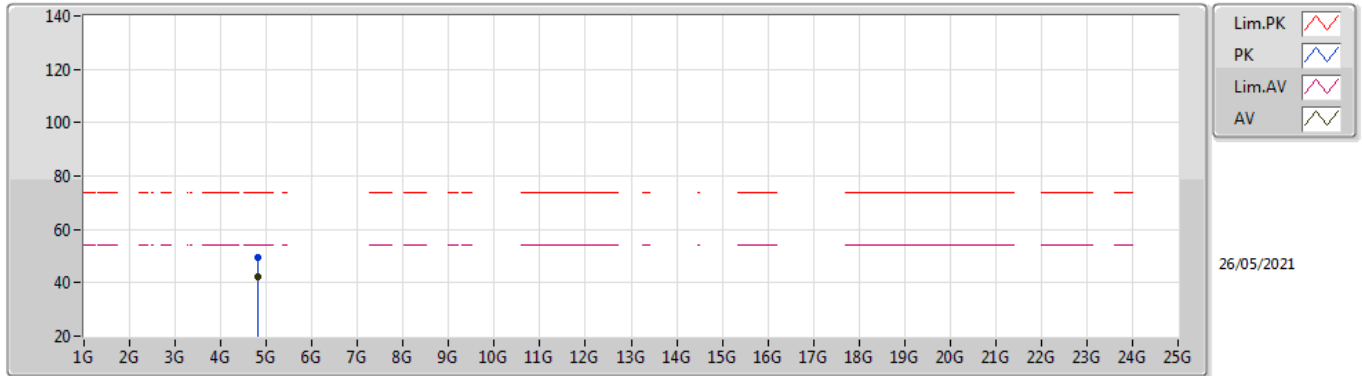
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8245G	38.41	54.00	-15.59	5.64	3	Vertical	0	1.78	-	32.77	31.00	8.92	34.28
PK	4.82362G	46.47	74.00	-27.53	5.63	3	Vertical	0	1.78	-	40.84	30.99	8.92	34.28

802.11g_Nss1,(6Mbps)_2TX

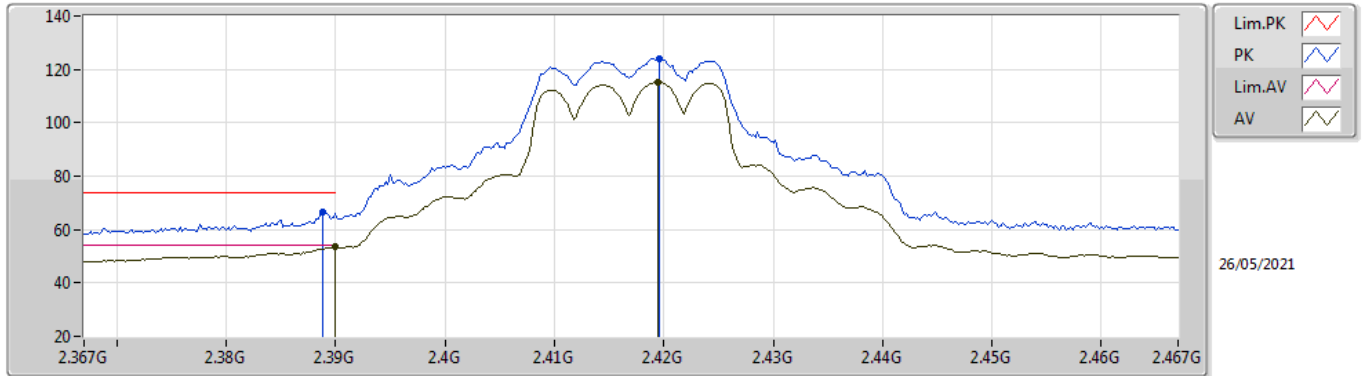
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8244G	42.34	54.00	-11.66	5.64	3	Horizontal	258	1.23	-	36.70	31.00	8.92	34.28
PK	4.82413G	49.51	74.00	-24.49	5.64	3	Horizontal	258	1.23	-	43.87	31.00	8.92	34.28

802.11g_Nss1,(6Mbps)_2TX

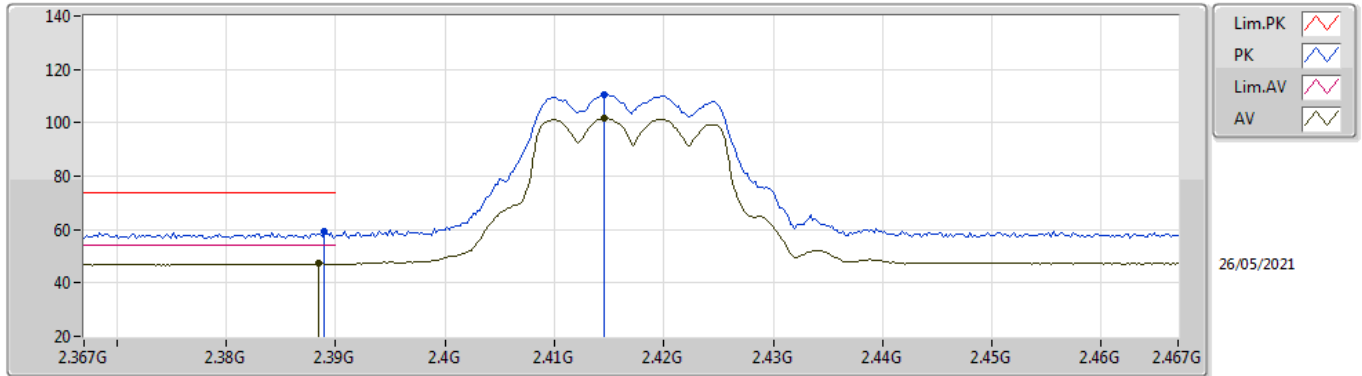
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.46	54.00	-0.54	0.57	3	Vertical	60	1.66	-	52.89	27.62	7.26	34.31
AV	2.4194G	115.15	Inf	-Inf	0.48	3	Vertical	60	1.66	-	114.67	27.52	7.28	34.32
PK	2.3888G	66.64	74.00	-7.36	0.56	3	Vertical	60	1.66	-	66.08	27.62	7.25	34.31
PK	2.4196G	123.99	Inf	-Inf	0.48	3	Vertical	60	1.66	-	123.51	27.52	7.28	34.32

802.11g_Nss1,(6Mbps)_2TX

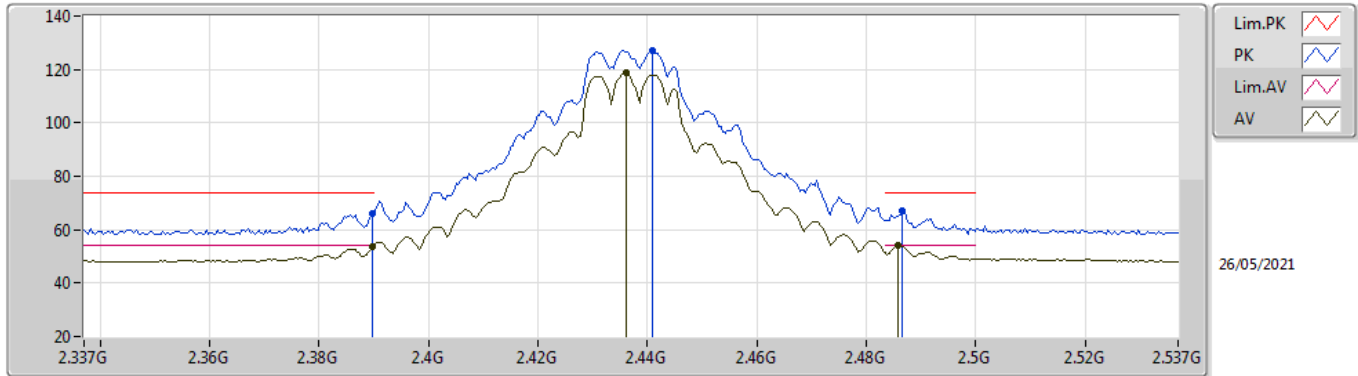
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3884G	47.29	54.00	-6.71	0.56	3	Horizontal	348	1.82	-	46.73	27.62	7.25	34.31
AV	2.4146G	101.58	Inf	-Inf	0.49	3	Horizontal	348	1.82	-	101.09	27.54	7.27	34.32
PK	2.389G	59.12	74.00	-14.88	0.57	3	Horizontal	348	1.82	-	58.55	27.62	7.26	34.31
PK	2.4146G	110.50	Inf	-Inf	0.49	3	Horizontal	348	1.82	-	110.01	27.54	7.27	34.32

802.11g_Nss1,(6Mbps)_2TX

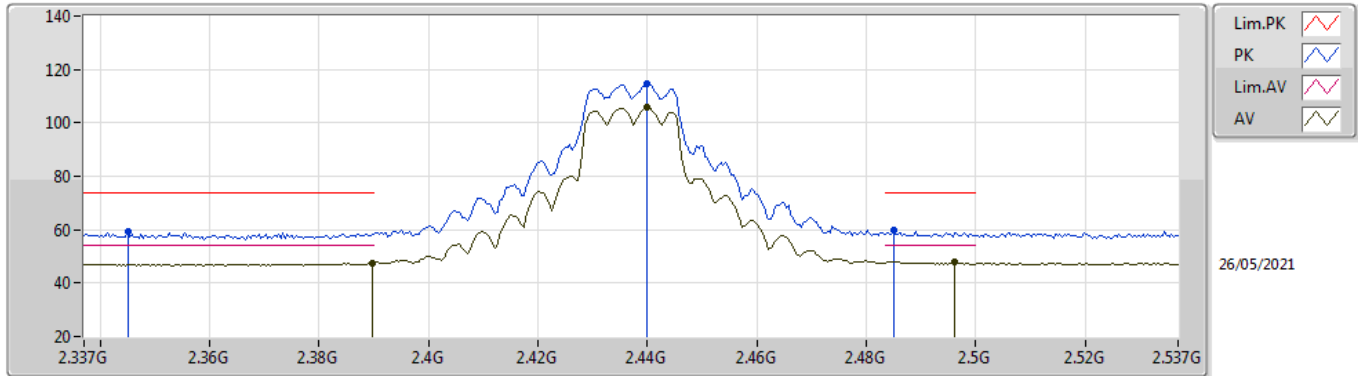
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.82	54.00	-0.18	0.57	3	Vertical	42	1.61	-	53.25	27.62	7.26	34.31
AV	2.4362G	118.54	Inf	-Inf	0.43	3	Vertical	42	1.61	-	118.11	27.46	7.29	34.32
AV	2.4858G	53.93	54.00	-0.07	0.39	3	Vertical	42	1.61	-	53.54	27.40	7.33	34.34
PK	2.3898G	65.97	74.00	-8.03	0.57	3	Vertical	42	1.61	-	65.40	27.62	7.26	34.31
PK	2.441G	127.00	Inf	-Inf	0.40	3	Vertical	42	1.61	-	126.60	27.44	7.29	34.33
PK	2.4866G	67.06	74.00	-6.94	0.39	3	Vertical	42	1.61	-	66.67	27.40	7.33	34.34

802.11g_Nss1,(6Mbps)_2TX

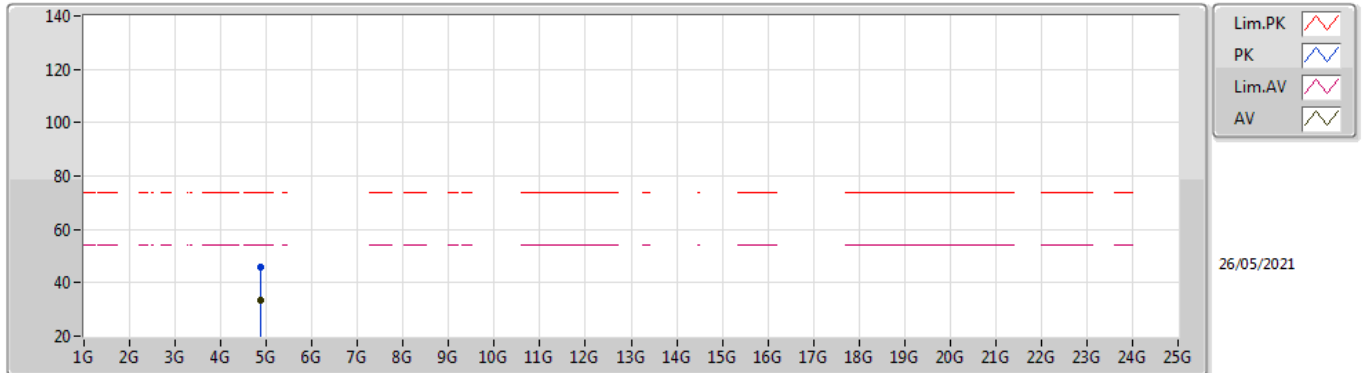
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	47.56	54.00	-6.44	0.57	3	Horizontal	346	1.78	-	46.99	27.62	7.26	34.31
AV	2.4398G	105.69	Inf	-Inf	0.40	3	Horizontal	346	1.78	-	105.29	27.44	7.29	34.33
AV	2.4962G	48.05	54.00	-5.95	0.40	3	Horizontal	346	1.78	-	47.65	27.40	7.34	34.34
PK	2.345G	59.20	74.00	-14.80	0.66	3	Horizontal	346	1.78	-	58.54	27.72	7.24	34.30
PK	2.4398G	114.70	Inf	-Inf	0.40	3	Horizontal	346	1.78	-	114.30	27.44	7.29	34.33
PK	2.485G	59.73	74.00	-14.27	0.39	3	Horizontal	346	1.78	-	59.34	27.40	7.33	34.34

802.11g_Nss1,(6Mbps)_2TX

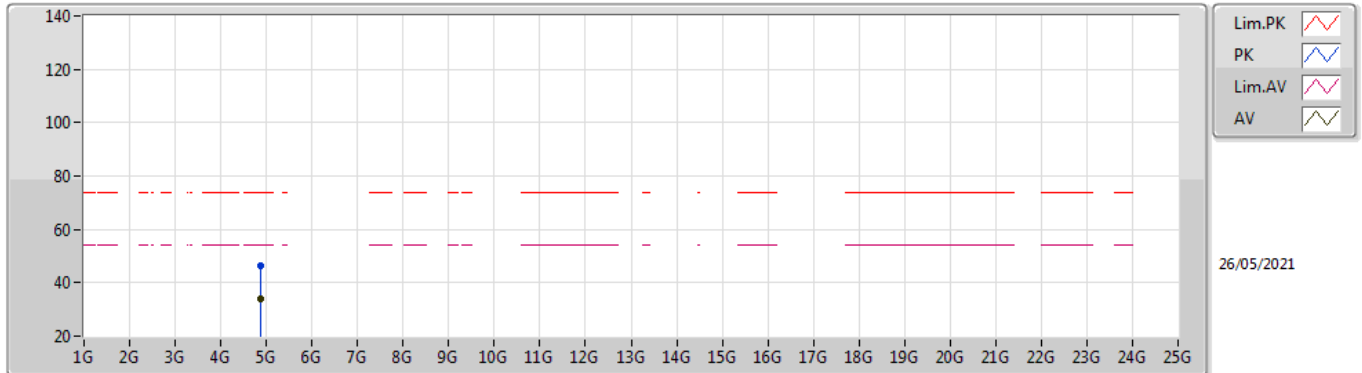
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87449G	33.66	54.00	-20.34	5.75	3	Vertical	338	2.98	-	27.91	31.05	8.96	34.26
PK	4.8739G	45.76	74.00	-28.24	5.75	3	Vertical	338	2.98	-	40.01	31.05	8.96	34.26

802.11g_Nss1,(6Mbps)_2TX

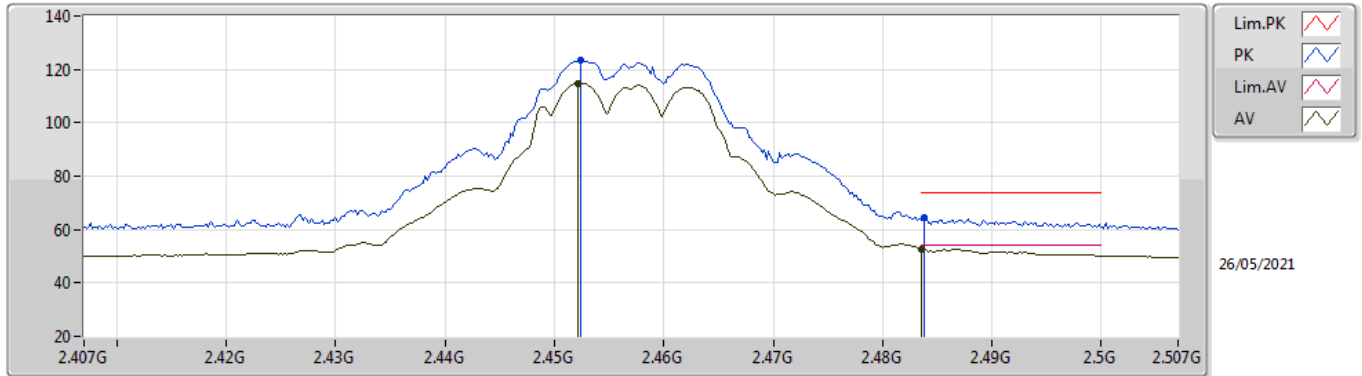
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87449G	33.77	54.00	-20.23	5.75	3	Horizontal	293	2.29	-	28.02	31.05	8.96	34.26
PK	4.87446G	46.24	74.00	-27.76	5.75	3	Horizontal	293	2.29	-	40.49	31.05	8.96	34.26

802.11g_Nss1,(6Mbps)_2TX

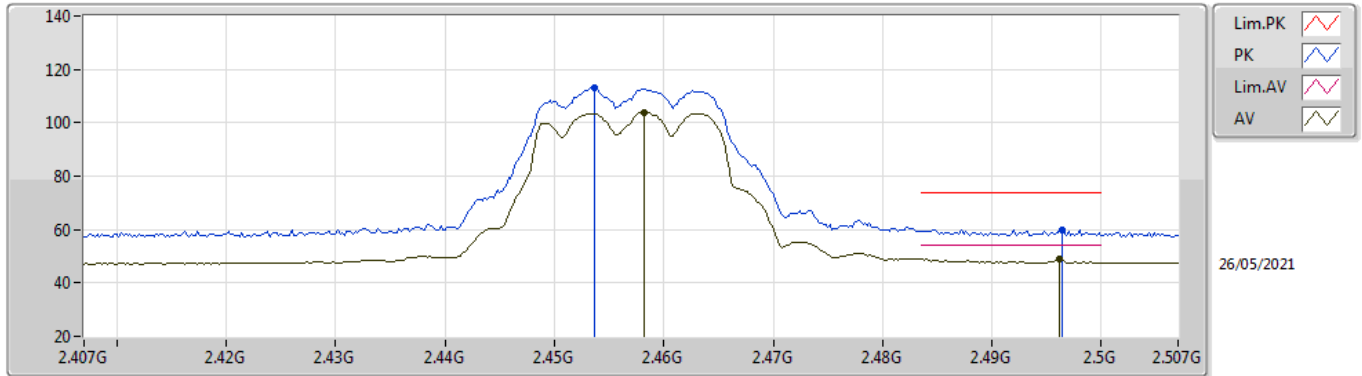
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4522G	114.91	Inf	-Inf	0.37	3	Vertical	34	1.50	-	114.54	27.40	7.30	34.33
AV	2.4835G	52.61	54.00	-1.39	0.39	3	Vertical	34	1.50	-	52.22	27.40	7.33	34.34
PK	2.4524G	123.22	Inf	-Inf	0.37	3	Vertical	34	1.50	-	122.85	27.40	7.30	34.33
PK	2.4838G	64.55	74.00	-9.45	0.39	3	Vertical	34	1.50	-	64.16	27.40	7.33	34.34

802.11g_Nss1,(6Mbps)_2TX

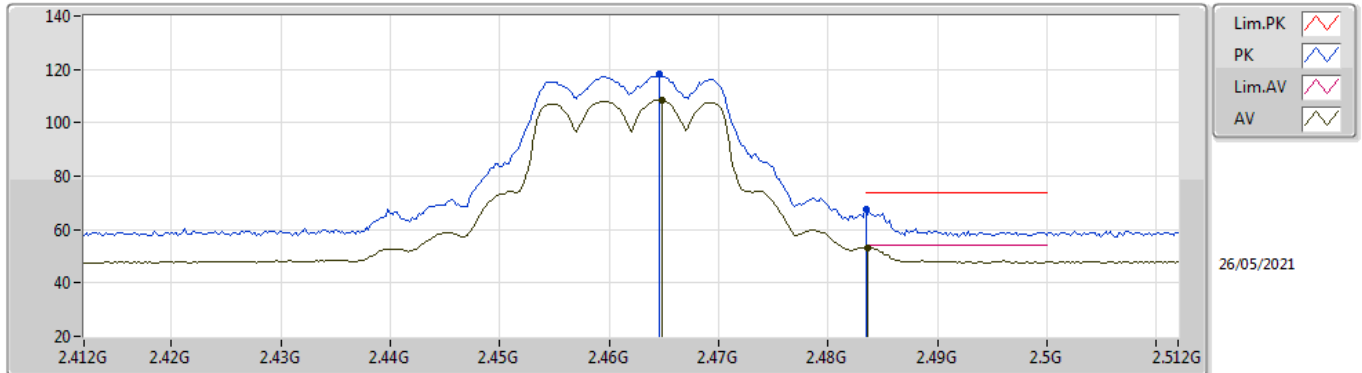
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4582G	103.88	Inf	-Inf	0.38	3	Horizontal	216	2.39	-	103.50	27.40	7.31	34.33
AV	2.4962G	48.74	54.00	-5.26	0.40	3	Horizontal	216	2.39	-	48.34	27.40	7.34	34.34
PK	2.4536G	112.98	Inf	-Inf	0.37	3	Horizontal	216	2.39	-	112.61	27.40	7.30	34.33
PK	2.4964G	59.93	74.00	-14.07	0.40	3	Horizontal	216	2.39	-	59.53	27.40	7.34	34.34

802.11g_Nss1,(6Mbps)_2TX

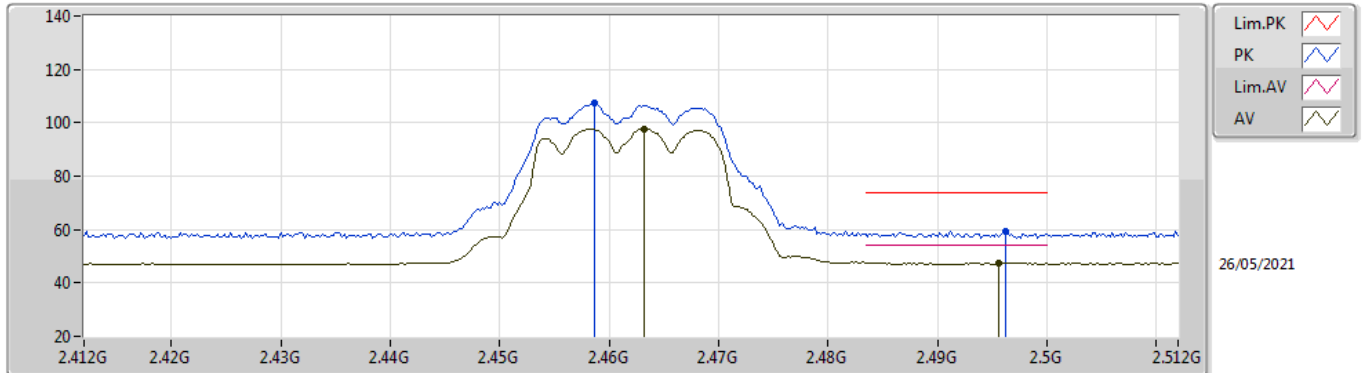
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4648G	108.61	Inf	-Inf	0.38	3	Vertical	72	1.50	-	108.23	27.40	7.31	34.33
AV	2.4836G	53.30	54.00	-0.70	0.39	3	Vertical	72	1.50	-	52.91	27.40	7.33	34.34
PK	2.4646G	118.18	Inf	-Inf	0.38	3	Vertical	72	1.50	-	117.80	27.40	7.31	34.33
PK	2.4835G	67.50	74.00	-6.50	0.39	3	Vertical	72	1.50	-	67.11	27.40	7.33	34.34

802.11g_Nss1,(6Mbps)_2TX

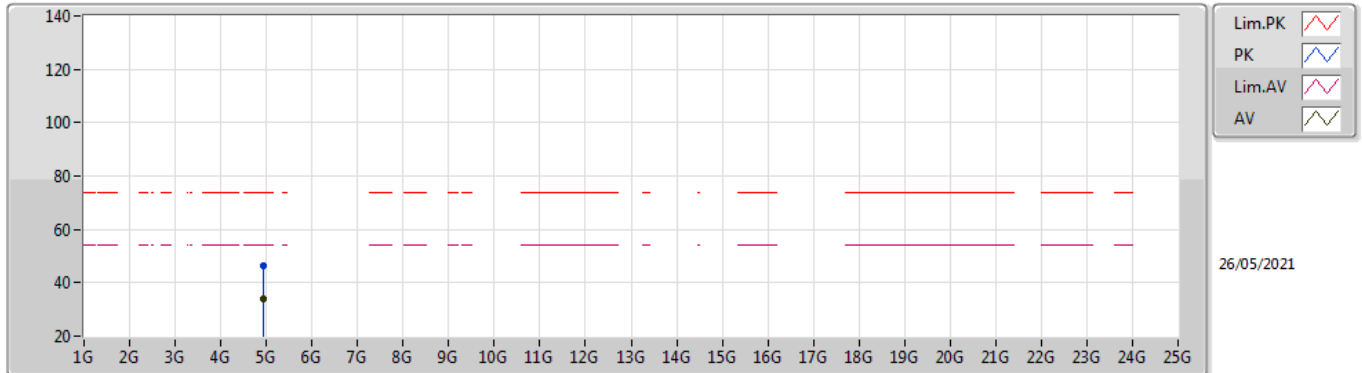
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4632G	97.75	Inf	-Inf	0.38	3	Horizontal	216	2.40	-	97.37	27.40	7.31	34.33
AV	2.4956G	47.55	54.00	-6.45	0.40	3	Horizontal	216	2.40	-	47.15	27.40	7.34	34.34
PK	2.4586G	107.21	Inf	-Inf	0.38	3	Horizontal	216	2.40	-	106.83	27.40	7.31	34.33
PK	2.4962G	59.56	74.00	-14.44	0.40	3	Horizontal	216	2.40	-	59.16	27.40	7.34	34.34

802.11g_Nss1,(6Mbps)_2TX

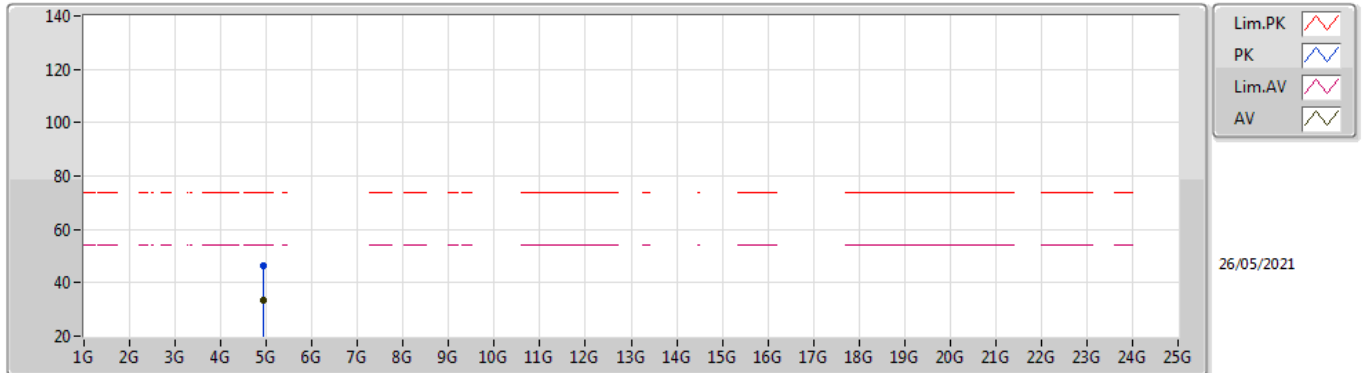
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9235G	34.17	54.00	-19.83	5.83	3	Vertical	26	1.50	-	28.34	31.09	8.99	34.25
PK	4.92367G	46.35	74.00	-27.65	5.83	3	Vertical	26	1.50	-	40.52	31.09	8.99	34.25

802.11g_Nss1,(6Mbps)_2TX

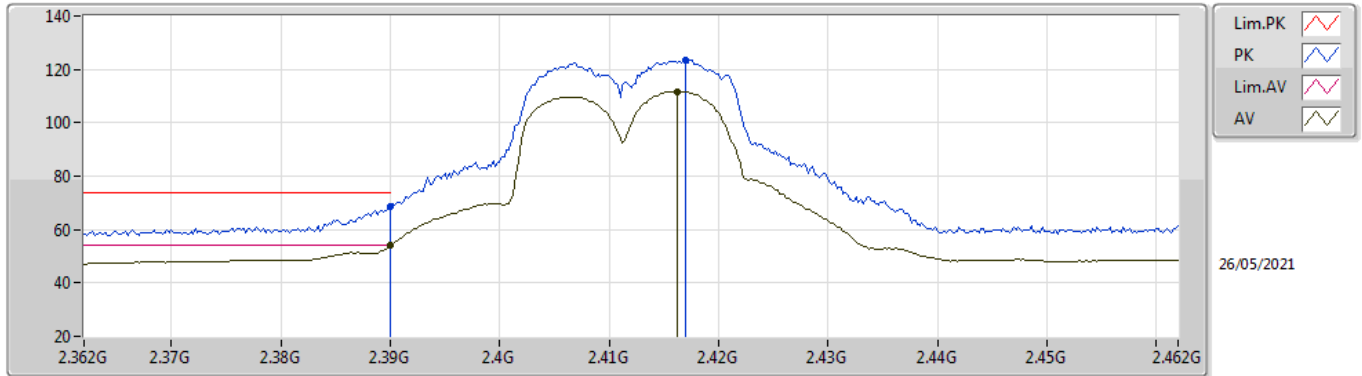
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92407G	33.38	54.00	-20.62	5.84	3	Horizontal	73	2.49	-	27.54	31.10	8.99	34.25
PK	4.92354G	46.24	74.00	-27.76	5.83	3	Horizontal	73	2.49	-	40.41	31.09	8.99	34.25

802.11ax HEW20_Nss1,(MCS0)_2TX

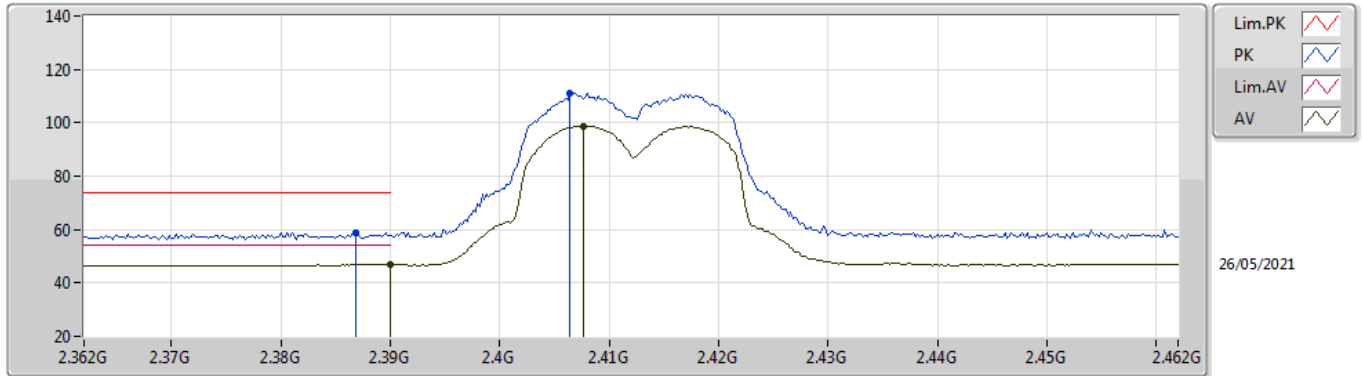
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.93	54.00	-0.07	0.57	3	Vertical	61	1.71	-	53.36	27.62	7.26	34.31
AV	2.4162G	111.81	Inf	-Inf	0.49	3	Vertical	61	1.71	-	111.32	27.54	7.27	34.32
PK	2.39G	68.74	74.00	-5.26	0.57	3	Vertical	61	1.71	-	68.17	27.62	7.26	34.31
PK	2.417G	123.69	Inf	-Inf	0.48	3	Vertical	61	1.71	-	123.21	27.53	7.27	34.32

802.11ax HEW20_Nss1,(MCS0)_2TX

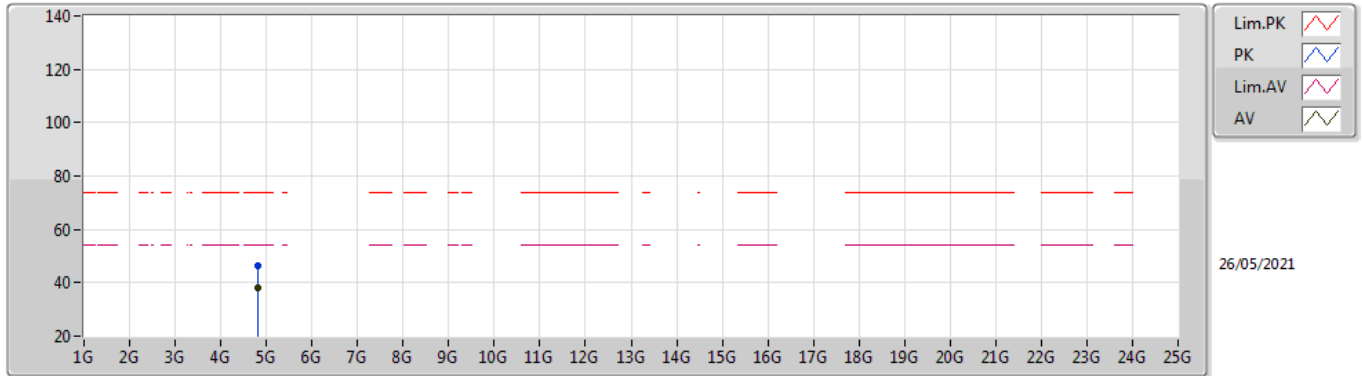
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	47.06	54.00	-6.94	0.57	3	Horizontal	348	1.84	-	46.49	27.62	7.26	34.31
AV	2.4076G	98.79	Inf	-Inf	0.52	3	Horizontal	348	1.84	-	98.27	27.57	7.27	34.32
PK	2.3868G	58.96	74.00	-15.04	0.57	3	Horizontal	348	1.84	-	58.39	27.63	7.25	34.31
PK	2.4064G	111.03	Inf	-Inf	0.52	3	Horizontal	348	1.84	-	110.51	27.57	7.27	34.32

802.11ax HEW20_Nss1,(MCS0)_2TX

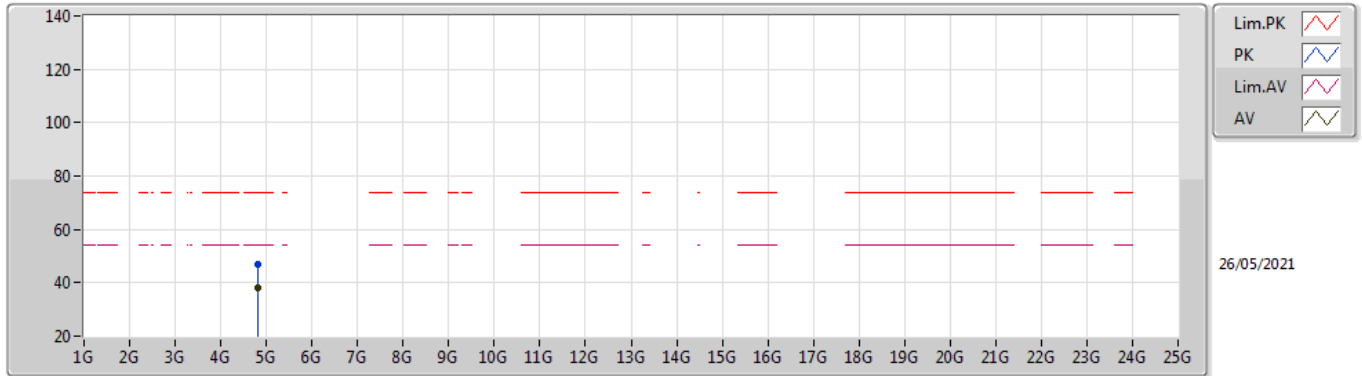
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82421G	38.09	54.00	-15.91	5.64	3	Vertical	235	1.31	-	32.45	31.00	8.92	34.28
PK	4.82385G	46.57	74.00	-27.43	5.64	3	Vertical	235	1.31	-	40.93	31.00	8.92	34.28

802.11ax HEW20_Nss1,(MCS0)_2TX

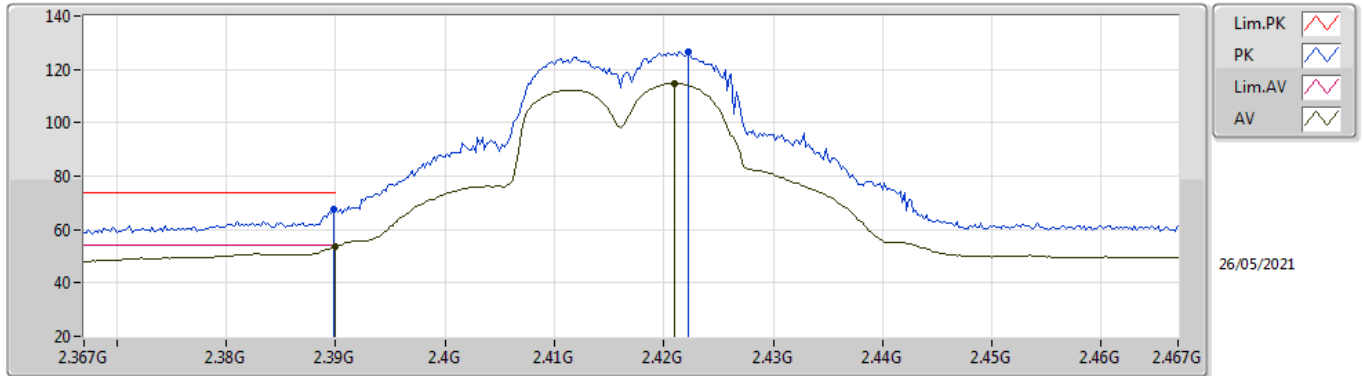
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82424G	38.22	54.00	-15.78	5.64	3	Horizontal	298	1.64	-	32.58	31.00	8.92	34.28
PK	4.82448G	46.74	74.00	-27.26	5.64	3	Horizontal	298	1.64	-	41.10	31.00	8.92	34.28

802.11ax HEW20_Nss1,(MCS0)_2TX

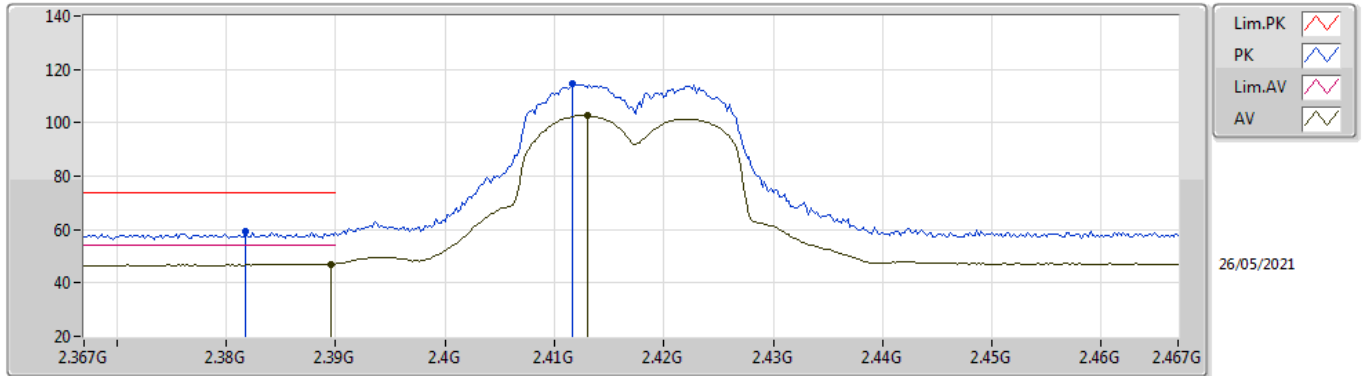
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.58	54.00	-0.42	0.57	3	Vertical	63	1.70	-	53.01	27.62	7.26	34.31
AV	2.421G	114.67	Inf	-Inf	0.48	3	Vertical	63	1.70	-	114.19	27.52	7.28	34.32
PK	2.3898G	67.35	74.00	-6.65	0.57	3	Vertical	63	1.70	-	66.78	27.62	7.26	34.31
PK	2.4222G	126.36	Inf	-Inf	0.47	3	Vertical	63	1.70	-	125.89	27.51	7.28	34.32

802.11ax HEW20_Nss1,(MCS0)_2TX

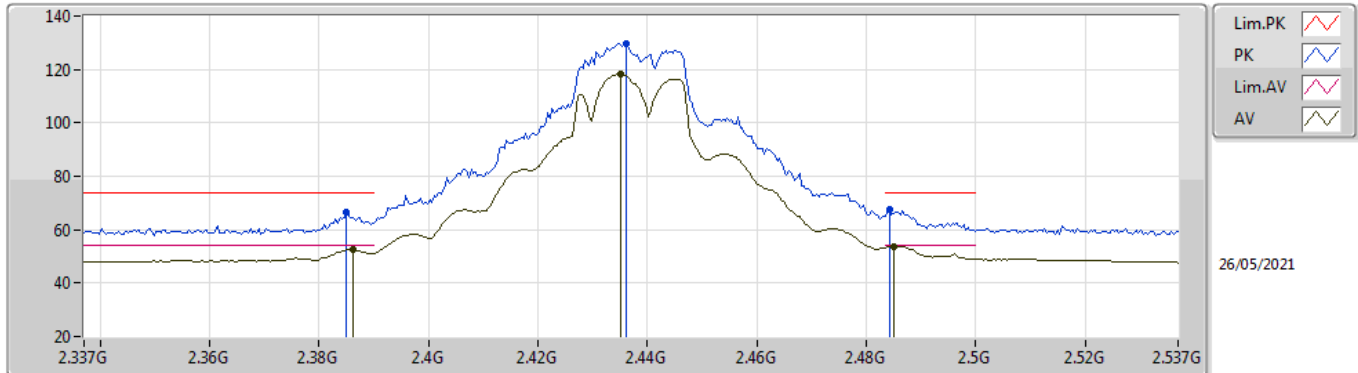
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3896G	47.06	54.00	-6.94	0.57	3	Horizontal	348	1.83	-	46.49	27.62	7.26	34.31
AV	2.413G	102.74	Inf	-Inf	0.50	3	Horizontal	348	1.83	-	102.24	27.55	7.27	34.32
PK	2.3818G	59.56	74.00	-14.44	0.58	3	Horizontal	348	1.83	-	58.98	27.64	7.25	34.31
PK	2.4116G	114.63	Inf	-Inf	0.50	3	Horizontal	348	1.83	-	114.13	27.55	7.27	34.32

802.11ax HEW20_Nss1,(MCS0)_2TX

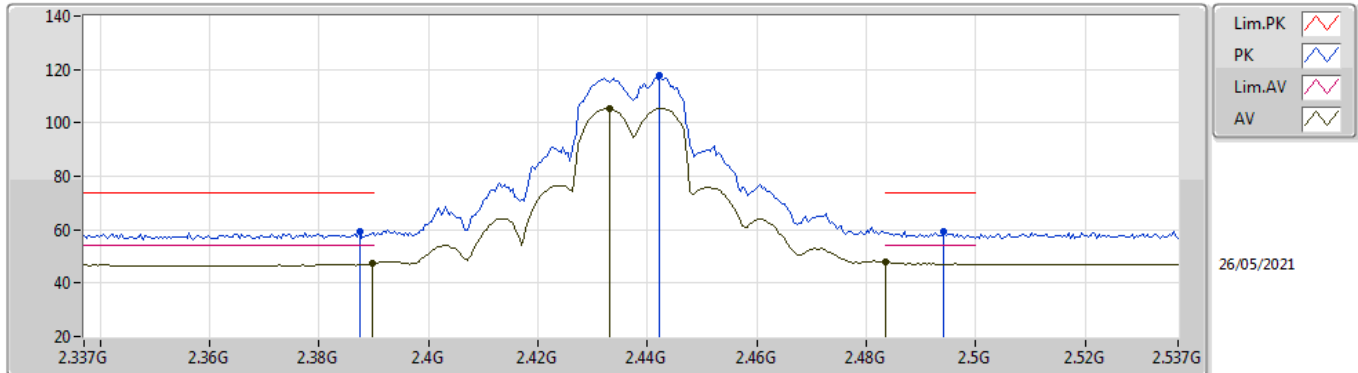
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3862G	52.65	54.00	-1.35	0.57	3	Vertical	39	1.65	-	52.08	27.63	7.25	34.31
AV	2.435G	118.16	Inf	-Inf	0.43	3	Vertical	39	1.65	-	117.73	27.46	7.29	34.32
AV	2.485G	53.81	54.00	-0.19	0.39	3	Vertical	39	1.65	-	53.42	27.40	7.33	34.34
PK	2.385G	66.50	74.00	-7.50	0.57	3	Vertical	39	1.65	-	65.93	27.63	7.25	34.31
PK	2.4362G	129.48	Inf	-Inf	0.43	3	Vertical	39	1.65	-	129.05	27.46	7.29	34.32
PK	2.4842G	67.58	74.00	-6.42	0.39	3	Vertical	39	1.65	-	67.19	27.40	7.33	34.34

802.11ax HEW20_Nss1,(MCS0)_2TX

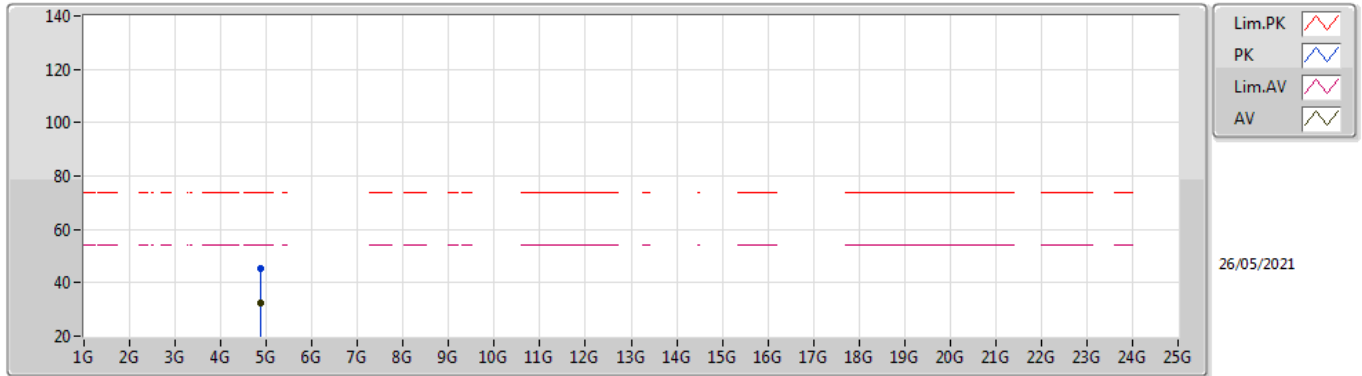
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	47.56	54.00	-6.44	0.57	3	Horizontal	347	1.95	-	46.99	27.62	7.26	34.31
AV	2.433G	105.34	Inf	-Inf	0.44	3	Horizontal	347	1.95	-	104.90	27.47	7.29	34.32
AV	2.4835G	47.79	54.00	-6.21	0.39	3	Horizontal	347	1.95	-	47.40	27.40	7.33	34.34
PK	2.3874G	59.16	74.00	-14.84	0.57	3	Horizontal	347	1.95	-	58.59	27.63	7.25	34.31
PK	2.4422G	117.52	Inf	-Inf	0.39	3	Horizontal	347	1.95	-	117.13	27.43	7.29	34.33
PK	2.4942G	59.49	74.00	-14.51	0.40	3	Horizontal	347	1.95	-	59.09	27.40	7.34	34.34

802.11ax HEW20_Nss1,(MCS0)_2TX

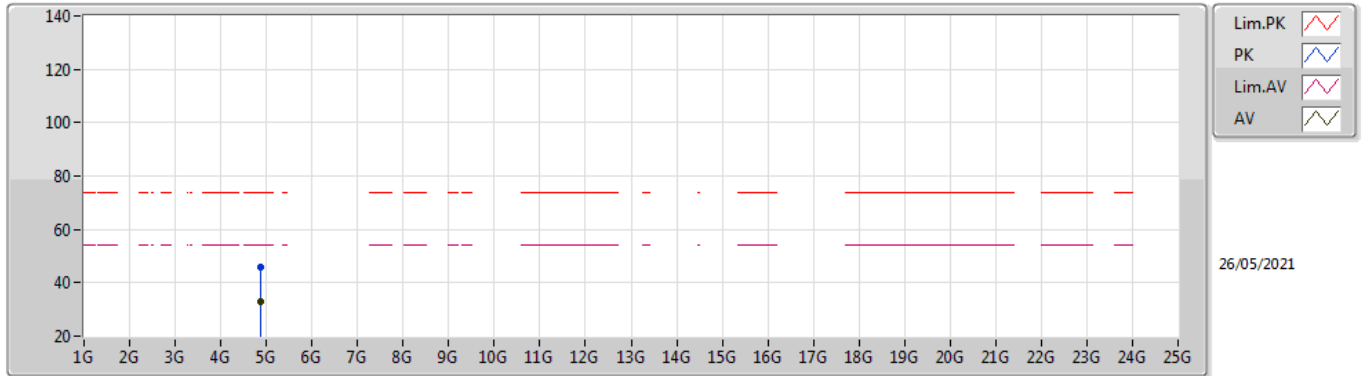
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87358G	32.61	54.00	-21.39	5.75	3	Vertical	147	1.83	-	26.86	31.05	8.96	34.26
PK	4.87351G	45.31	74.00	-28.69	5.75	3	Vertical	147	1.83	-	39.56	31.05	8.96	34.26

802.11ax HEW20_Nss1,(MCS0)_2TX

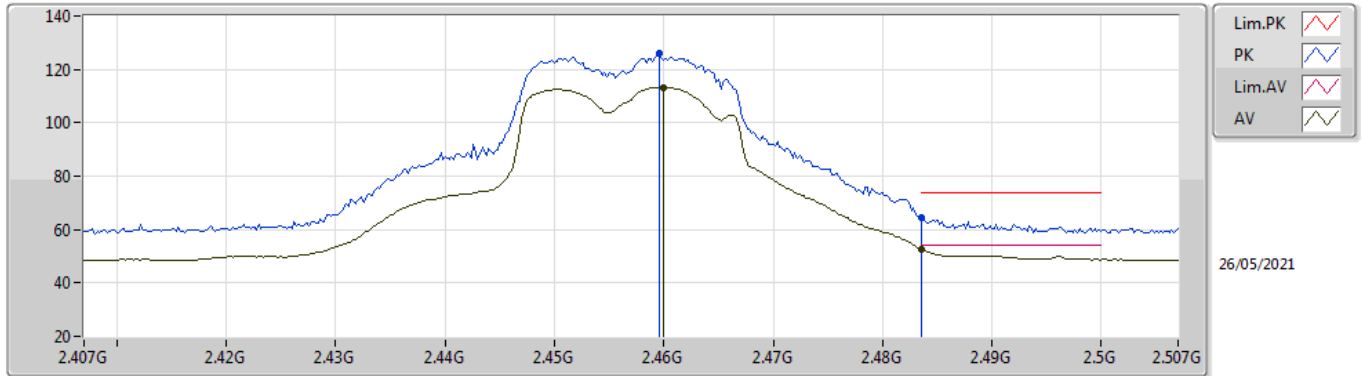
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87391G	32.73	54.00	-21.27	5.75	3	Horizontal	14	1.85	-	26.98	31.05	8.96	34.26
PK	4.87417G	46.08	74.00	-27.92	5.75	3	Horizontal	14	1.85	-	40.33	31.05	8.96	34.26

802.11ax HEW20_Nss1,(MCS0)_2TX

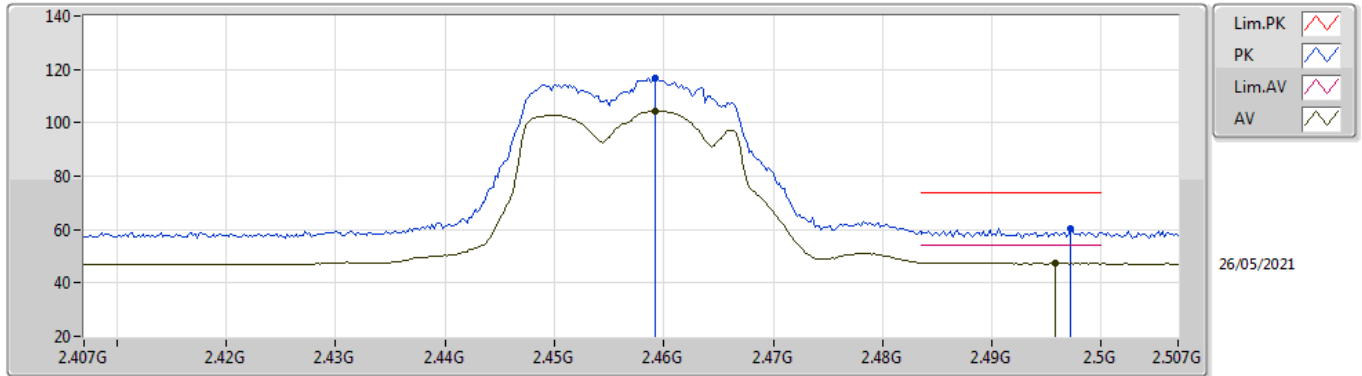
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.46G	113.34	Inf	-Inf	0.38	3	Vertical	172	1.45	-	112.96	27.40	7.31	34.33
AV	2.4835G	52.75	54.00	-1.25	0.39	3	Vertical	172	1.45	-	52.36	27.40	7.33	34.34
PK	2.4596G	125.81	Inf	-Inf	0.38	3	Vertical	172	1.45	-	125.43	27.40	7.31	34.33
PK	2.4835G	64.47	74.00	-9.53	0.39	3	Vertical	172	1.45	-	64.08	27.40	7.33	34.34

802.11ax HEW20_Nss1,(MCS0)_2TX

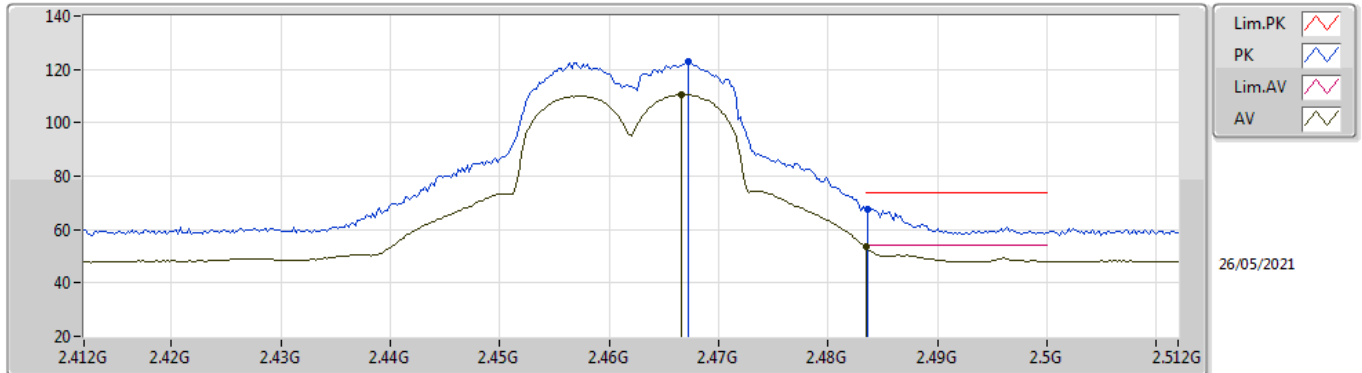
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4592G	104.43	Inf	-Inf	0.38	3	Horizontal	216	2.40	-	104.05	27.40	7.31	34.33
AV	2.4958G	47.55	54.00	-6.45	0.40	3	Horizontal	216	2.40	-	47.15	27.40	7.34	34.34
PK	2.4592G	116.89	Inf	-Inf	0.38	3	Horizontal	216	2.40	-	116.51	27.40	7.31	34.33
PK	2.4972G	60.58	74.00	-13.42	0.40	3	Horizontal	216	2.40	-	60.18	27.40	7.34	34.34

802.11ax HEW20_Nss1,(MCS0)_2TX

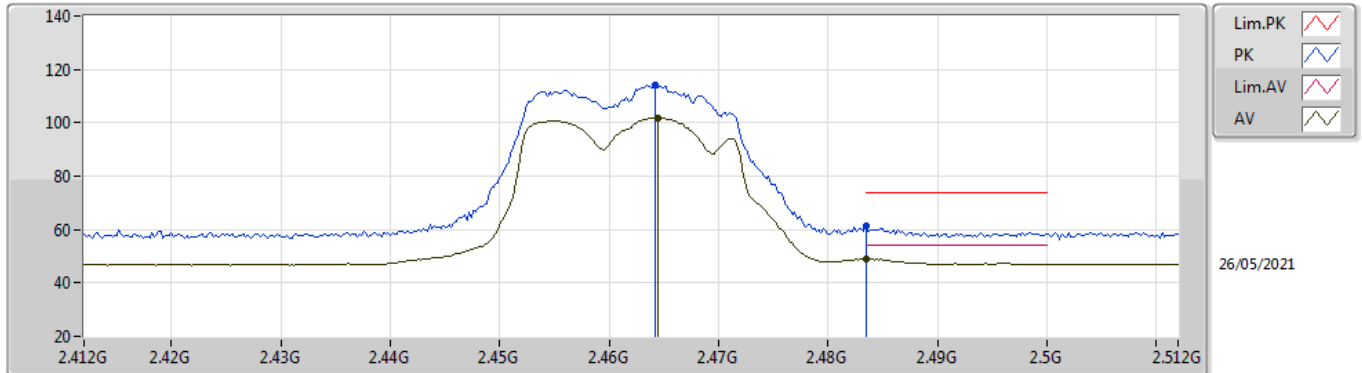
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4666G	110.58	Inf	-Inf	0.38	3	Vertical	73	1.50	-	110.20	27.40	7.31	34.33
AV	2.4835G	53.43	54.00	-0.57	0.39	3	Vertical	73	1.50	-	53.04	27.40	7.33	34.34
PK	2.4672G	122.78	Inf	-Inf	0.38	3	Vertical	73	1.50	-	122.40	27.40	7.31	34.33
PK	2.4836G	67.82	74.00	-6.18	0.39	3	Vertical	73	1.50	-	67.43	27.40	7.33	34.34

802.11ax HEW20_Nss1,(MCS0)_2TX

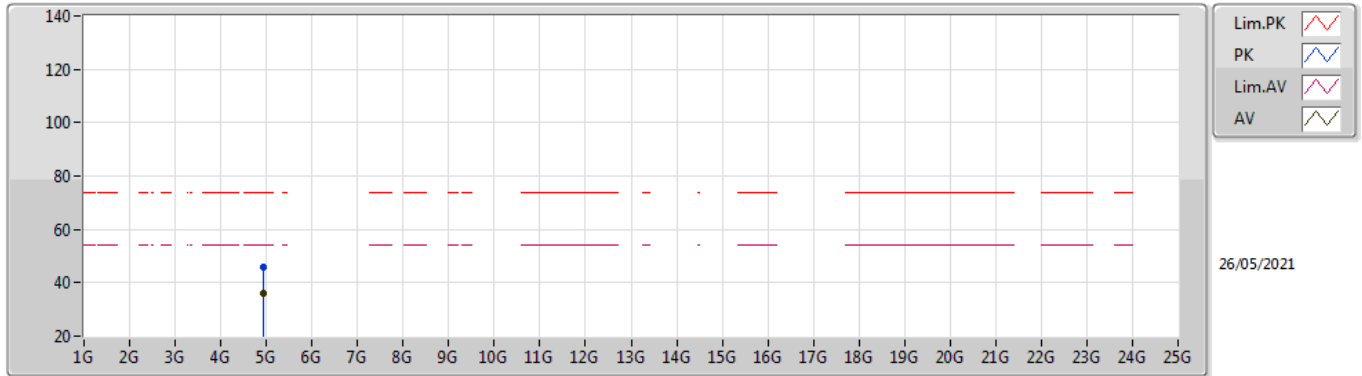
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4644G	101.76	Inf	-Inf	0.38	3	Horizontal	218	2.40	-	101.38	27.40	7.31	34.33
AV	2.4835G	48.73	54.00	-5.27	0.39	3	Horizontal	218	2.40	-	48.34	27.40	7.33	34.34
PK	2.4642G	113.96	Inf	-Inf	0.38	3	Horizontal	218	2.40	-	113.58	27.40	7.31	34.33
PK	2.4835G	61.22	74.00	-12.78	0.39	3	Horizontal	218	2.40	-	60.83	27.40	7.33	34.34

802.11ax HEW20_Nss1,(MCS0)_2TX

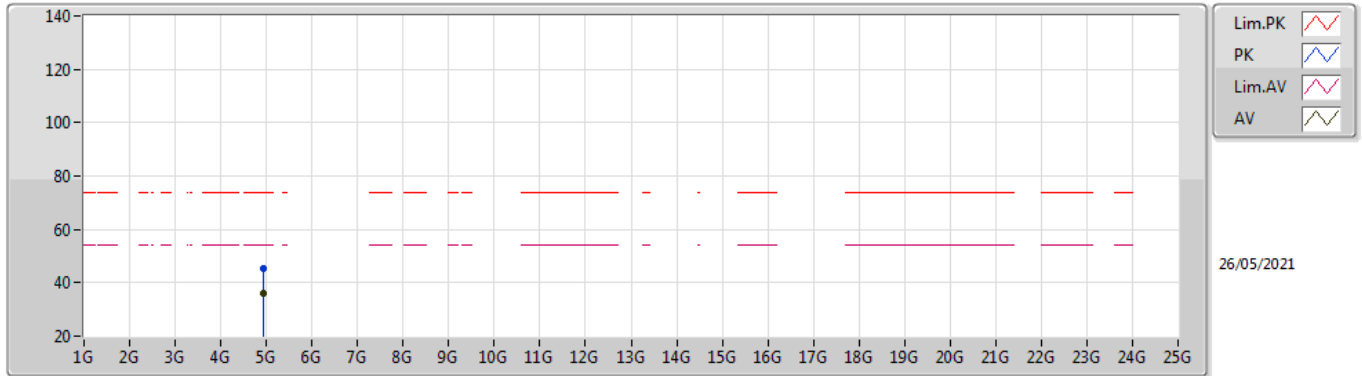
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92428G	35.97	54.00	-18.03	5.84	3	Vertical	252	2.04	-	30.13	31.10	8.99	34.25
PK	4.92411G	45.69	74.00	-28.31	5.84	3	Vertical	252	2.04	-	39.85	31.10	8.99	34.25

802.11ax HEW20_Nss1,(MCS0)_2TX

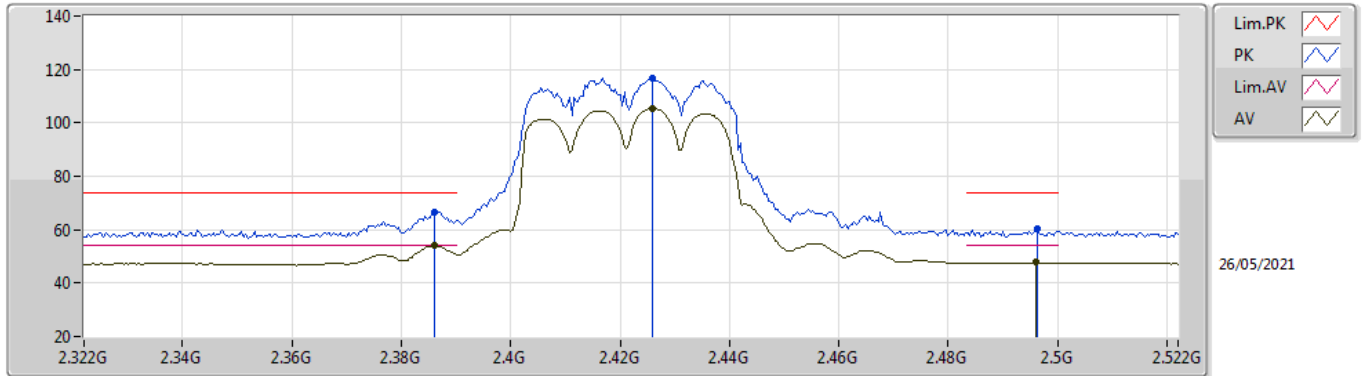
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.924G	36.14	54.00	-17.86	5.84	3	Horizontal	186	1.16	-	30.30	31.10	8.99	34.25
PK	4.92381G	45.48	74.00	-28.52	5.84	3	Horizontal	186	1.16	-	39.64	31.10	8.99	34.25

802.11ax HEW40_Nss1,(MCS0)_2TX

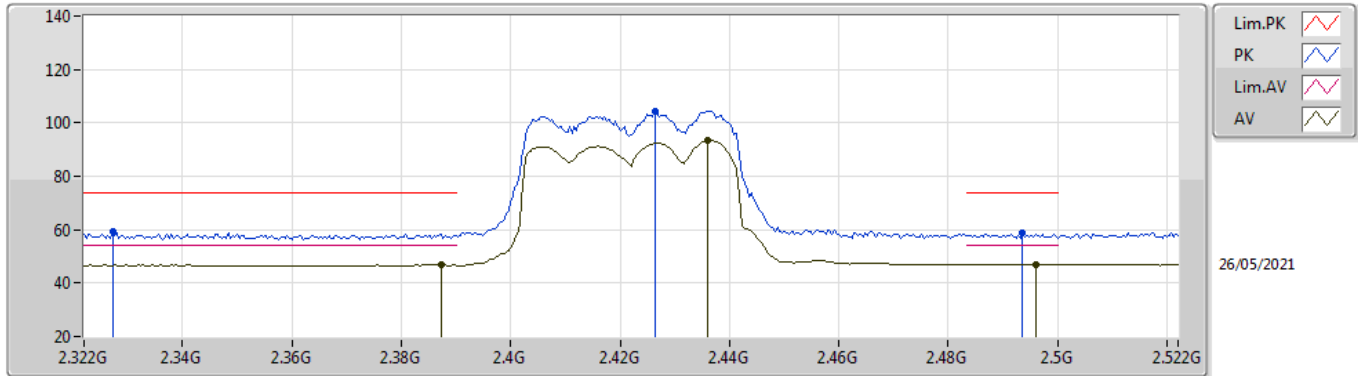
2422MHz_TX



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	2.386G	53.89	54.00	-0.11	0.57	3	Vertical	64	1.69	-	53.32	27.63	7.25	34.31
AV	2.426G	105.37	Inf	-Inf	0.46	3	Vertical	64	1.69	-	104.91	27.50	7.28	34.32
AV	2.496G	48.05	54.00	-5.95	0.40	3	Vertical	64	1.69	-	47.65	27.40	7.34	34.34
PK	2.386G	66.77	74.00	-7.23	0.57	3	Vertical	64	1.69	-	66.20	27.63	7.25	34.31
PK	2.426G	116.93	Inf	-Inf	0.46	3	Vertical	64	1.69	-	116.47	27.50	7.28	34.32
PK	2.4964G	60.52	74.00	-13.48	0.40	3	Vertical	64	1.69	-	60.12	27.40	7.34	34.34

802.11ax HEW40_Nss1,(MCS0)_2TX

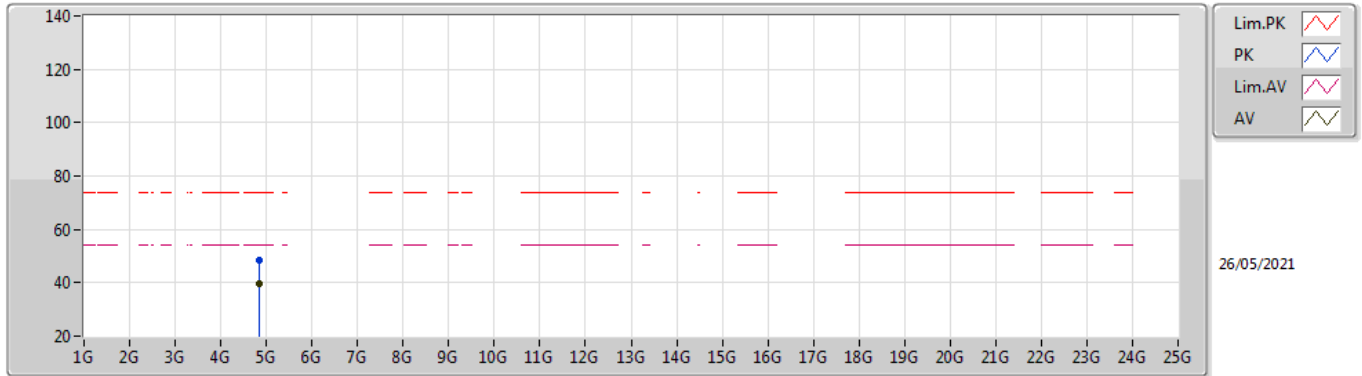
2422MHz_TX



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	2.3872G	47.03	54.00	-6.97	0.57	3	Horizontal	222	2.06	-	46.46	27.63	7.25	34.31
AV	2.436G	93.22	Inf	-Inf	0.43	3	Horizontal	222	2.06	-	92.79	27.46	7.29	34.32
AV	2.496G	47.03	54.00	-6.97	0.40	3	Horizontal	222	2.06	-	46.63	27.40	7.34	34.34
PK	2.3272G	59.09	74.00	-14.91	0.72	3	Horizontal	222	2.06	-	58.37	27.79	7.23	34.30
PK	2.4264G	104.53	Inf	-Inf	0.45	3	Horizontal	222	2.06	-	104.08	27.49	7.28	34.32
PK	2.4936G	58.81	74.00	-15.19	0.39	3	Horizontal	222	2.06	-	58.42	27.40	7.33	34.34

802.11ax HEW40_Nss1,(MCS0)_2TX

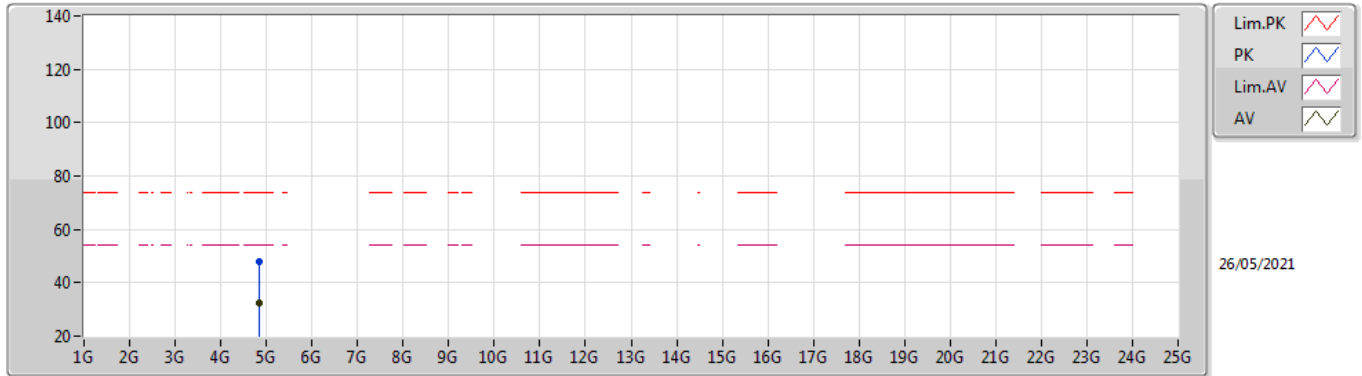
2422MHz_TX



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	4.84404G	39.46	54.00	-14.54	5.74	3	Vertical	151	1.23	-	33.72	31.08	8.93	34.27
PK	4.84439G	48.68	74.00	-25.32	5.74	3	Vertical	151	1.23	-	42.94	31.08	8.93	34.27

802.11ax HEW40_Nss1,(MCS0)_2TX

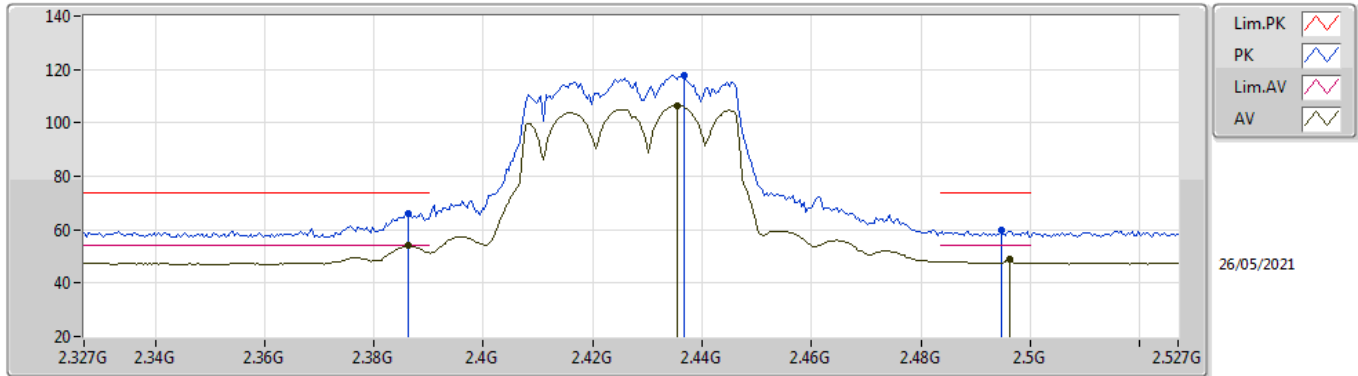
2422MHz_TX



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	4.843G	32.67	54.00	-21.33	5.73	3	Horizontal	266	2.10	-	26.94	31.07	8.93	34.27
PK	4.84332G	47.92	74.00	-26.08	5.73	3	Horizontal	266	2.10	-	42.19	31.07	8.93	34.27

802.11ax HEW40_Nss1,(MCS0)_2TX

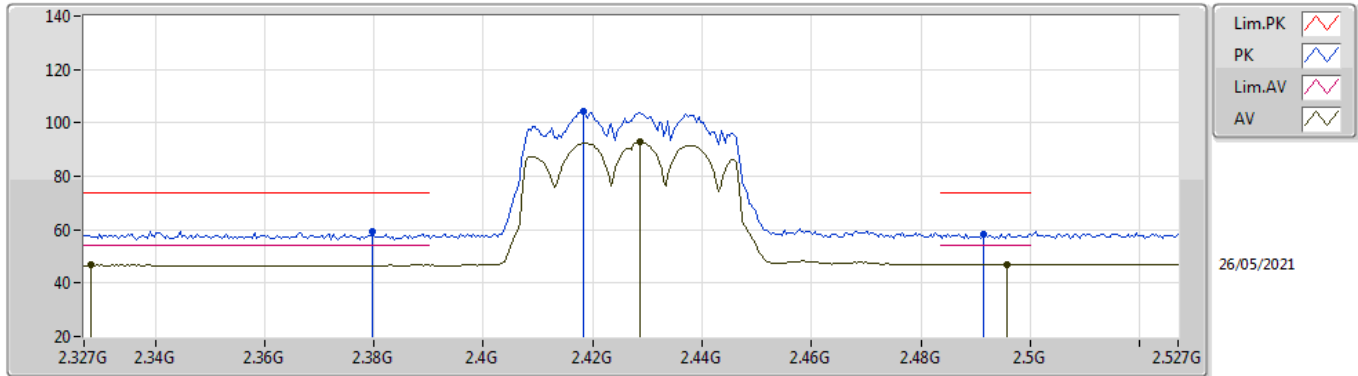
2427MHz_TX



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	2.3862G	53.89	54.00	-0.11	0.57	3	Vertical	39	1.60	-	53.32	27.63	7.25	34.31
AV	2.4354G	106.38	Inf	-Inf	0.43	3	Vertical	39	1.60	-	105.95	27.46	7.29	34.32
AV	2.4962G	48.96	54.00	-5.04	0.40	3	Vertical	39	1.60	-	48.56	27.40	7.34	34.34
PK	2.3862G	66.24	74.00	-7.76	0.57	3	Vertical	39	1.60	-	65.67	27.63	7.25	34.31
PK	2.4366G	117.54	Inf	-Inf	0.42	3	Vertical	39	1.60	-	117.12	27.45	7.29	34.32
PK	2.4946G	59.75	74.00	-14.25	0.40	3	Vertical	39	1.60	-	59.35	27.40	7.34	34.34

802.11ax HEW40_Nss1,(MCS0)_2TX

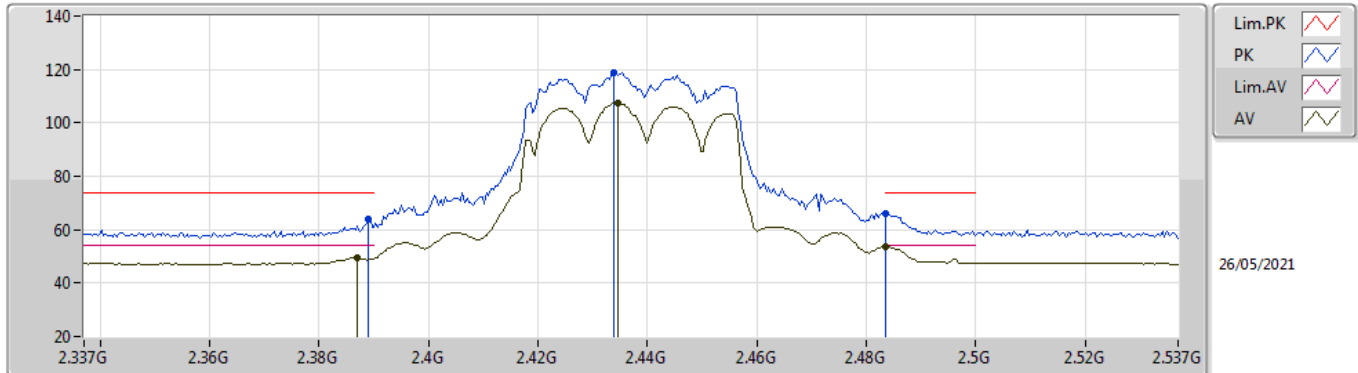
2427MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3282G	46.81	54.00	-7.19	0.72	3	Horizontal	54	1.04	-	46.09	27.79	7.23	34.30
AV	2.4286G	92.74	Inf	-Inf	0.45	3	Horizontal	54	1.04	-	92.29	27.49	7.28	34.32
AV	2.4958G	47.03	54.00	-6.97	0.40	3	Horizontal	54	1.04	-	46.63	27.40	7.34	34.34
PK	2.3798G	59.37	74.00	-14.63	0.58	3	Horizontal	54	1.04	-	58.79	27.64	7.25	34.31
PK	2.4182G	104.43	Inf	-Inf	0.48	3	Horizontal	54	1.04	-	103.95	27.53	7.27	34.32
PK	2.4914G	58.46	74.00	-15.54	0.39	3	Horizontal	54	1.04	-	58.07	27.40	7.33	34.34

802.11ax HEW40_Nss1,(MCS0)_2TX

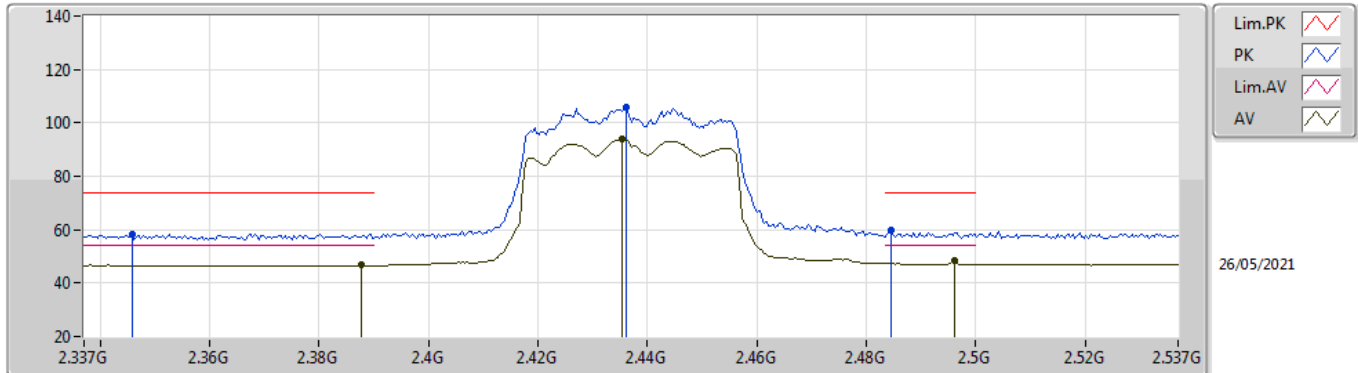
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.387G	49.27	54.00	-4.73	0.57	3	Vertical	42	1.65	-	48.70	27.63	7.25	34.31
AV	2.4346G	107.33	Inf	-Inf	0.43	3	Vertical	42	1.65	-	106.90	27.46	7.29	34.32
AV	2.4835G	53.56	54.00	-0.44	0.39	3	Vertical	42	1.65	-	53.17	27.40	7.33	34.34
PK	2.389G	64.06	74.00	-9.94	0.57	3	Vertical	42	1.65	-	63.49	27.62	7.26	34.31
PK	2.4338G	118.95	Inf	-Inf	0.43	3	Vertical	42	1.65	-	118.52	27.46	7.29	34.32
PK	2.4835G	66.18	74.00	-7.82	0.39	3	Vertical	42	1.65	-	65.79	27.40	7.33	34.34

802.11ax HEW40_Nss1,(MCS0)_2TX

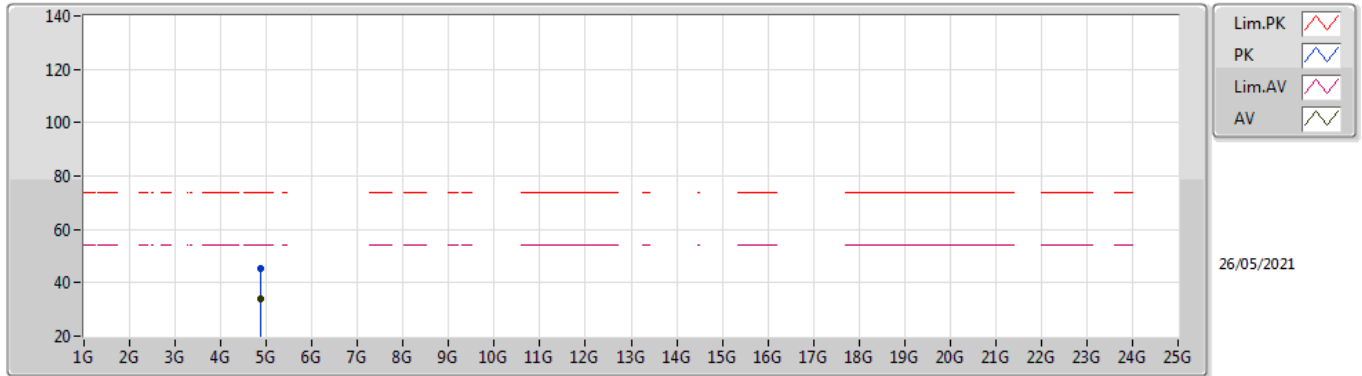
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3878G	46.77	54.00	-7.23	0.56	3	Horizontal	44	1.62	-	46.21	27.62	7.25	34.31
AV	2.4354G	93.89	Inf	-Inf	0.43	3	Horizontal	44	1.62	-	93.46	27.46	7.29	34.32
AV	2.4962G	48.29	54.00	-5.71	0.40	3	Horizontal	44	1.62	-	47.89	27.40	7.34	34.34
PK	2.3458G	58.40	74.00	-15.60	0.66	3	Horizontal	44	1.62	-	57.74	27.72	7.24	34.30
PK	2.4362G	106.01	Inf	-Inf	0.43	3	Horizontal	44	1.62	-	105.58	27.46	7.29	34.32
PK	2.4846G	59.92	74.00	-14.08	0.39	3	Horizontal	44	1.62	-	59.53	27.40	7.33	34.34

802.11ax HEW40_Nss1,(MCS0)_2TX

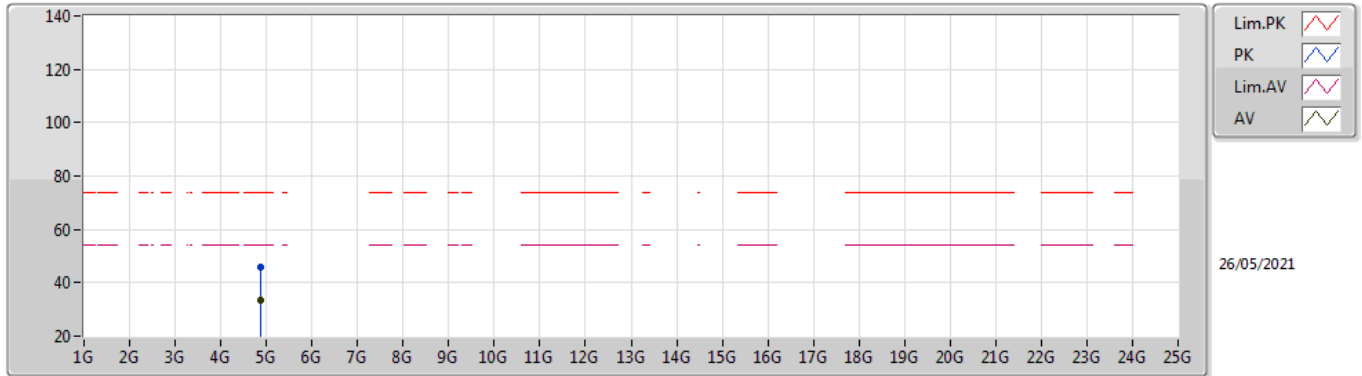
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87384G	33.99	54.00	-20.01	5.75	3	Vertical	244	2.50	-	28.24	31.05	8.96	34.26
PK	4.87489G	45.57	74.00	-28.43	5.75	3	Vertical	244	2.50	-	39.82	31.05	8.96	34.26

802.11ax HEW40_Nss1,(MCS0)_2TX

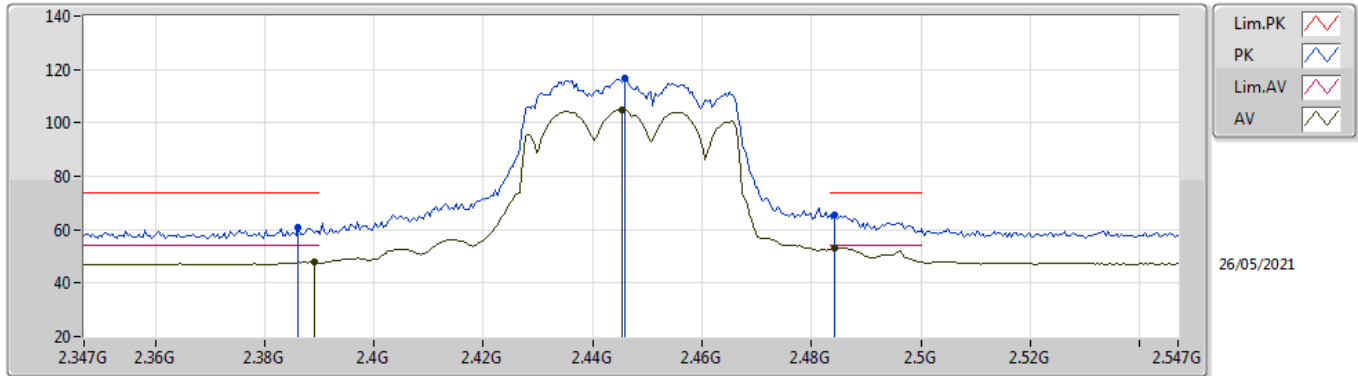
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8741G	33.44	54.00	-20.56	5.75	3	Horizontal	198	1.36	-	27.69	31.05	8.96	34.26
PK	4.87405G	45.65	74.00	-28.35	5.75	3	Horizontal	198	1.36	-	39.90	31.05	8.96	34.26

802.11ax HEW40_Nss1,(MCS0)_2TX

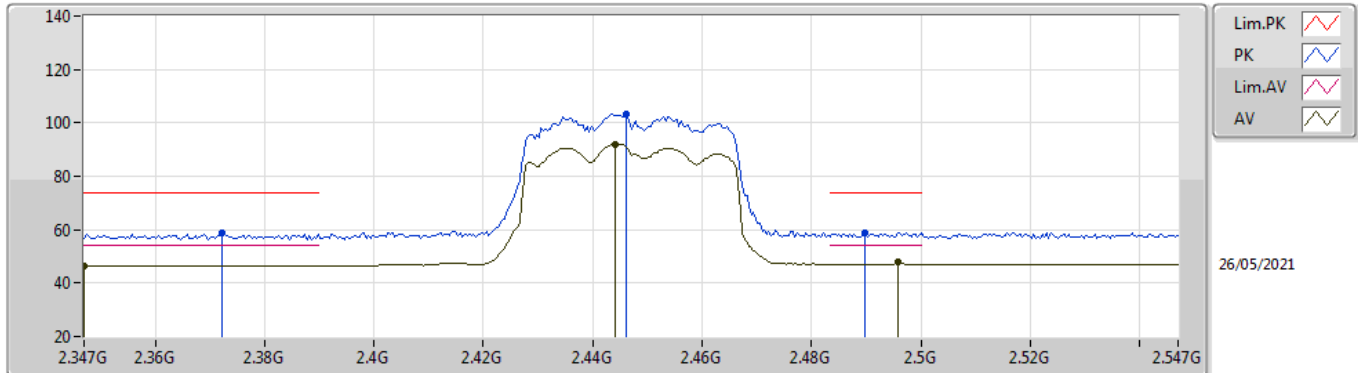
2447MHz_TX



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	2.389G	47.79	54.00	-6.21	0.57	3	Vertical	24	1.89	-	47.22	27.62	7.26	34.31
AV	2.4454G	105.04	Inf	-Inf	0.39	3	Vertical	24	1.89	-	104.65	27.42	7.30	34.33
AV	2.4842G	53.17	54.00	-0.83	0.39	3	Vertical	24	1.89	-	52.78	27.40	7.33	34.34
PK	2.3862G	60.70	74.00	-13.30	0.57	3	Vertical	24	1.89	-	60.13	27.63	7.25	34.31
PK	2.4458G	116.72	Inf	-Inf	0.39	3	Vertical	24	1.89	-	116.33	27.42	7.30	34.33
PK	2.4842G	65.37	74.00	-8.63	0.39	3	Vertical	24	1.89	-	64.98	27.40	7.33	34.34

802.11ax HEW40_Nss1,(MCS0)_2TX

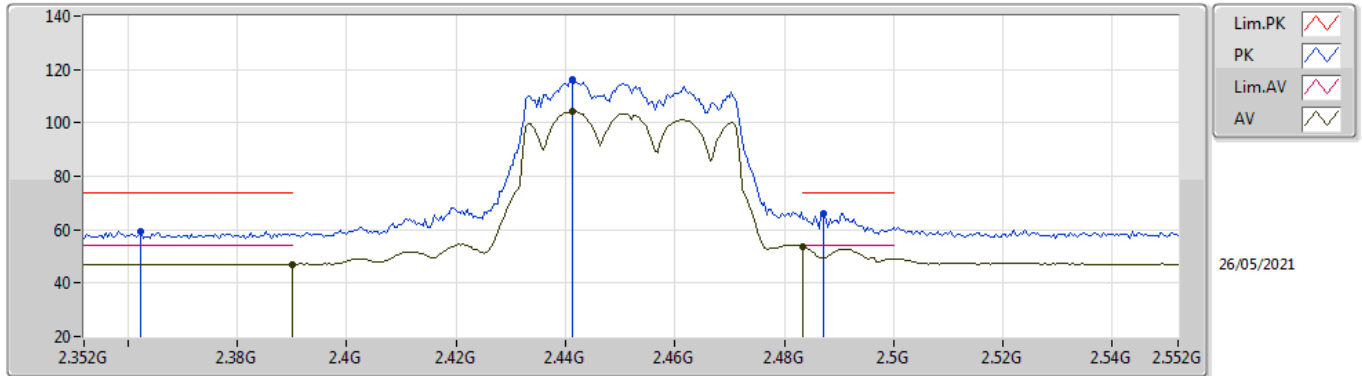
2447MHz_TX



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	2.347G	46.58	54.00	-7.42	0.65	3	Horizontal	52	2.46	-	45.93	27.71	7.24	34.30
AV	2.442G	91.97	Inf	-Inf	0.39	3	Horizontal	52	2.46	-	91.58	27.42	7.30	34.33
AV	2.4958G	48.05	54.00	-5.95	0.40	3	Horizontal	52	2.46	-	47.65	27.40	7.34	34.34
PK	2.3722G	58.54	74.00	-15.46	0.60	3	Horizontal	52	2.46	-	57.94	27.66	7.25	34.31
PK	2.4462G	103.53	Inf	-Inf	0.39	3	Horizontal	52	2.46	-	103.14	27.42	7.30	34.33
PK	2.4898G	58.88	74.00	-15.12	0.39	3	Horizontal	52	2.46	-	58.49	27.40	7.33	34.34

802.11ax HEW40_Nss1,(MCS0)_2TX

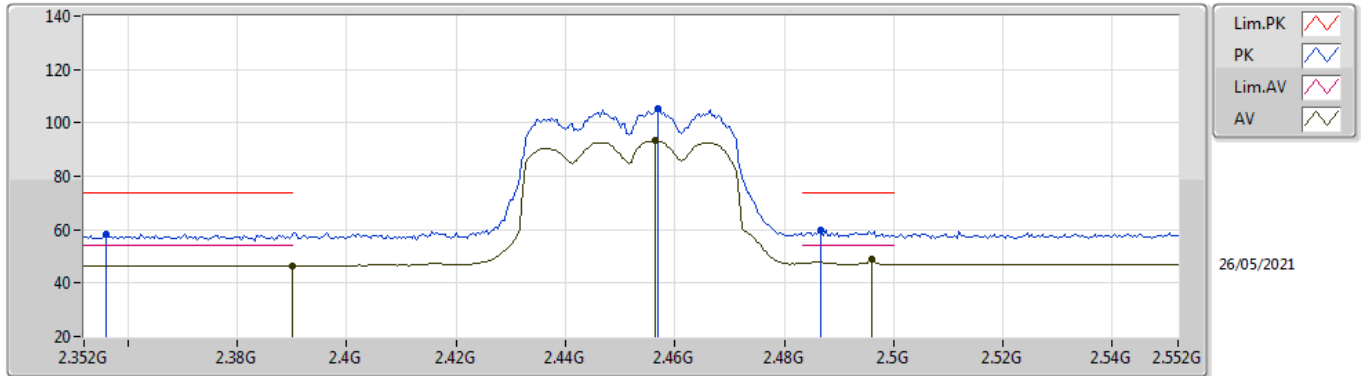
2452MHz_TX



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	47.07	54.00	-6.93	0.57	3	Vertical	34	1.61	-	46.50	27.62	7.26	34.31
AV	2.4412G	104.30	Inf	-Inf	0.40	3	Vertical	34	1.61	-	103.90	27.44	7.29	34.33
AV	2.4835G	53.56	54.00	-0.44	0.39	3	Vertical	34	1.61	-	53.17	27.40	7.33	34.34
PK	2.3624G	59.29	74.00	-14.71	0.61	3	Vertical	34	1.61	-	58.68	27.68	7.24	34.31
PK	2.4412G	116.13	Inf	-Inf	0.40	3	Vertical	34	1.61	-	115.73	27.44	7.29	34.33
PK	2.4872G	66.18	74.00	-7.82	0.39	3	Vertical	34	1.61	-	65.79	27.40	7.33	34.34

802.11ax HEW40_Nss1,(MCS0)_2TX

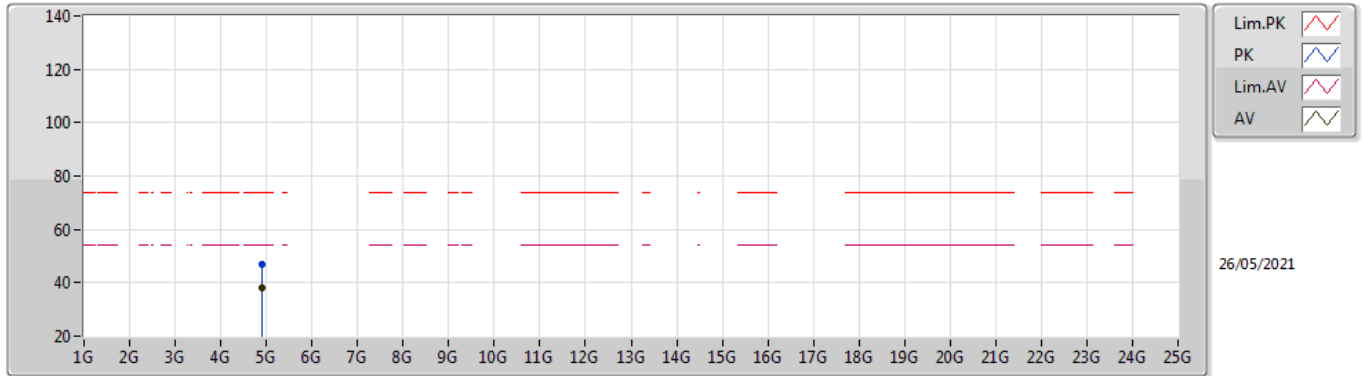
2452MHz_TX



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	46.54	54.00	-7.46	0.57	3	Horizontal	33	2.25	-	45.97	27.62	7.26	34.31
AV	2.4564G	93.34	Inf	-Inf	0.38	3	Horizontal	33	2.25	-	92.96	27.40	7.31	34.33
AV	2.496G	48.74	54.00	-5.26	0.40	3	Horizontal	33	2.25	-	48.34	27.40	7.34	34.34
PK	2.356G	58.27	74.00	-15.73	0.62	3	Horizontal	33	2.25	-	57.65	27.69	7.24	34.31
PK	2.4568G	105.15	Inf	-Inf	0.38	3	Horizontal	33	2.25	-	104.77	27.40	7.31	34.33
PK	2.4868G	59.79	74.00	-14.21	0.39	3	Horizontal	33	2.25	-	59.40	27.40	7.33	34.34

802.11ax HEW40_Nss1,(MCS0)_2TX

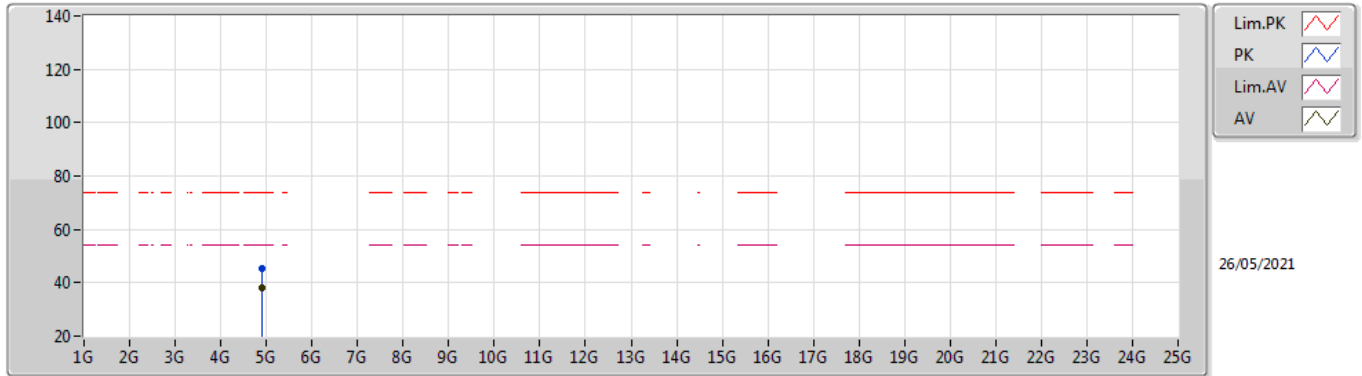
2452MHz_TX



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	4.90421G	38.22	54.00	-15.78	5.75	3	Vertical	22	2.26	-	32.47	31.02	8.98	34.25
PK	4.90426G	46.81	74.00	-27.19	5.75	3	Vertical	22	2.26	-	41.06	31.02	8.98	34.25

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2452MHz_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	4.90358G	38.07	54.00	-15.93	5.74	3	Horizontal	176	2.10	-	32.33	31.01	8.98	34.25
PK	4.90388G	45.47	74.00	-28.53	5.75	3	Horizontal	176	2.10	-	39.72	31.02	8.98	34.25