

FCC Radio Test Report

FCC ID : 2AG9J-EVGA-X20-RX01

Equipment : USB Receiver

Brand Name : EVGA

Model Name : X20RX

Applicant : EVGA CORPORATION
18F., NO. 176, JIAN 1ST RD., ZHONGHE DIST.,
NEW TAIPEI CITY 235, TAIWAN

Manufacturer : EVGA CORPORATION
18F., NO. 176, JIAN 1ST RD., ZHONGHE DIST.,
NEW TAIPEI CITY 235, TAIWAN

Standard : 47 CFR FCC Part 15.249

The product was received on Feb. 23, 2021, and testing was started from Feb. 26, 2021 and completed on Mar. 08, 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
FR120802ZW	01	Initial issue of report	Apr. 15, 2021
FR120802ZW	02	Revised typo (This report is the latest version replacing for the report issued on Apr. 15, 2021.)	Apr. 26, 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	15.215(c)	Emission Bandwidth	PASS	-
3.3	15.249(a)	Fundamental Emissions	PASS	-
3.4	15.249(a)/(d)	Transmitter Radiated Unwanted Emissions	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:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Tsai

Report Producer: Michelle Tsai

1 General Description

1.1 Information

1.1.1 RF General Information

RF General Information			
Frequency Range (MHz)	Modulation	Ch. Frequency (MHz)	Channel Number
2400-2483.5	GFSK	2402-2480	79
Note 1: Field strength performed average level at 3m.			

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	SRD(1Mbps)	1	1TX
2.4-2.4835GHz	SRD(2Mbps)	1	1TX

1.1.2 Channel List

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2402	41	2442
2	2403	42	2443
3	2404	43	2444
4	2405	44	2445
5	2406	45	2446
6	2407	46	2447
7	2408	47	2448
8	2409	48	2449
9	2410	49	2450
10	2411	50	2451
11	2412	51	2452
12	2413	52	2453
13	2414	53	2454
14	2415	54	2455
15	2416	55	2456
16	2417	56	2457
17	2418	57	2458
18	2419	58	2459
19	2420	59	2460
20	2421	60	2461
21	2422	61	2462
22	2423	62	2463

Channel	Frequency (MHz)	Channel	Frequency (MHz)
23	2424	63	2464
24	2425	64	2465
25	2426	65	2466
26	2427	66	2467
27	2428	67	2468
28	2429	68	2469
29	2430	69	2470
30	2431	70	2471
31	2432	71	2472
32	2433	72	2473
33	2434	73	2474
34	2435	74	2475
35	2436	75	2476
36	2437	76	2477
37	2438	77	2478
38	2439	78	2479
39	2440	79	2480
40	2441	-	-

1.1.3 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	ACX	AT8010-E2R9HAA	Chip Antenna	N/A	0.5

For SRD function:

For SRD mode (1TX/1RX)

Ant. 1 could transmit/receive.

1.1.4 EUT Information

Operational Condition	
EUT Power Type	From Host system
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:



1.1.5 Test Signal Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
SRD(1Mbps)	0.602	2.2	178.125u	10k
SRD(2Mbps)	0.526	2.79	309.375u	10k

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 15.249
- ANSI C63.10-2013

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

- 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. TW1190 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Daniel Lin	21.0~23.6°C / 52~57%	03/Mar/2021
RF Conducted	TH06-HY	Johnny Yu	20.1~26.9°C / 50~60%	02/Mar/2021~08/Mar/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.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated	03CH09-HY	Daniel Hsu	22.4~23.2°C / 53~55%	26/Feb/2021~05/Mar/2021

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	3.7V

2.2 Test Channel Mode

Test Software Version	RF Tester v1.0.0.0
-----------------------	--------------------

Mode	Power Setting
SRD(1Mbps)_Nss1_1TX	-
2402MHz	-8
2440MHz	-8
2480MHz	-8
SRD(2Mbps)_Nss1_1TX	-
2402MHz	-8
2440MHz	-8
2480MHz	-8

2.3 The Worst Case Modulation Configuration

Modulation Used for Conformance Testing	
Test Mode	Field Strength (dBuV/m at 3 m)
GFSK	92.57

2.4 Test Channel Frequencies Configuration

Test Channel Frequencies Configuration	
Test Mode	Test Channel Frequencies (MHz)
GFSK	2402, 2440, 2480

2.5 The Worst Case Measurement Configuration

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests			
Tests Item	Fundamental Emissions, Radiated Unwanted Emissions		
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	USB Mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT		V	

2.6 Accessories

Accessories				
USB Cable	Brand Name	Acrox	Model Name	1CCBLW35A4200004
	Manufacturer	Shenzhen Duo Ji Xin Technology Co.,Ltd	SN	X20-0001
	Signal Line	1.96 meter, shielded cable, w/o ferrite core		
Extension Adapter	Brand Name	EVGA	Model Name	X20R

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

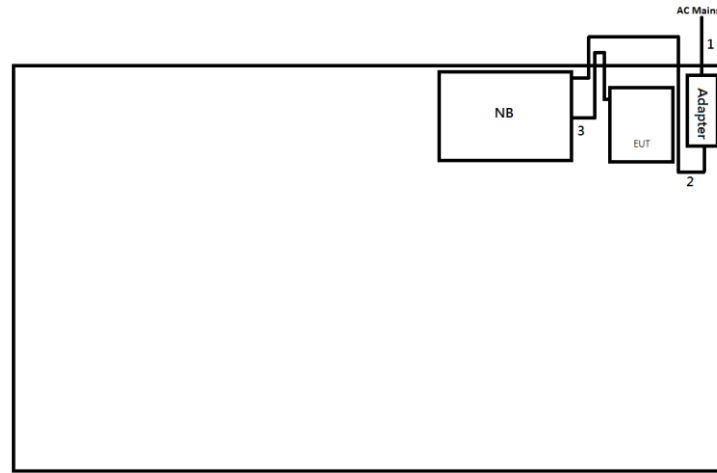
2.7 Support Equipment

Support Equipment – AC Conduction and Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	HP	HSTNN-Q85C	-	-
2	AC Adapter for NB	HP	PPP012L-E	-	-

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

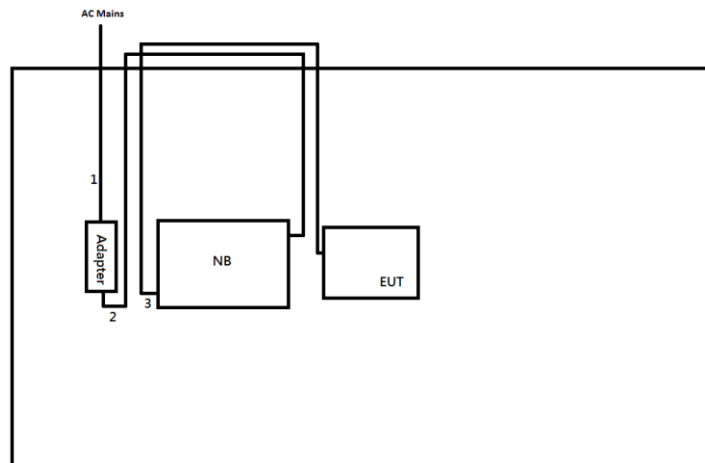
2.8 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.8	-
3	USB cable	Yes	1.96	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.8	-
3	USB cable	Yes	1.96	-

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

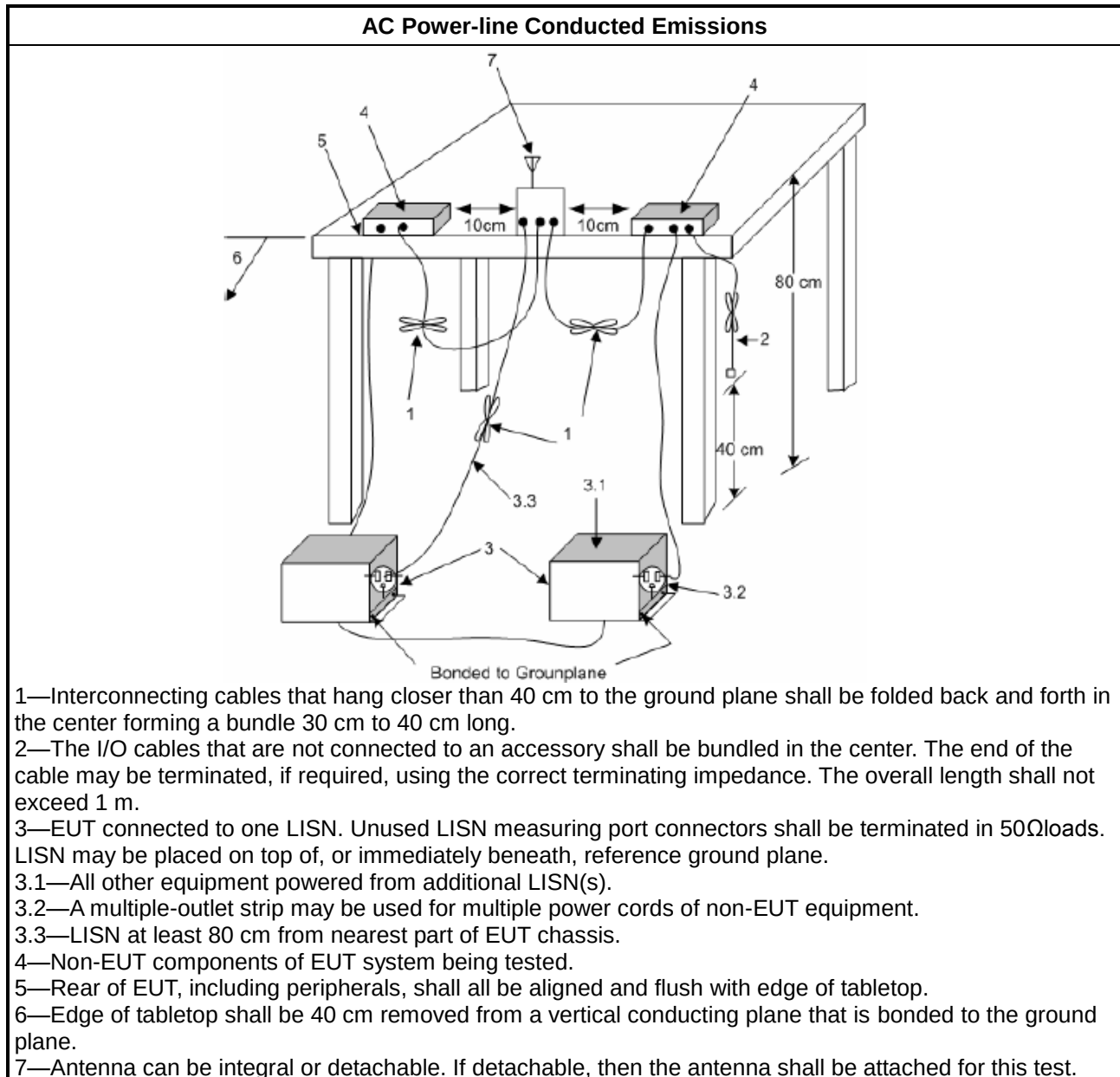
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
☒	Emission bandwidth falls completely within authorized band.

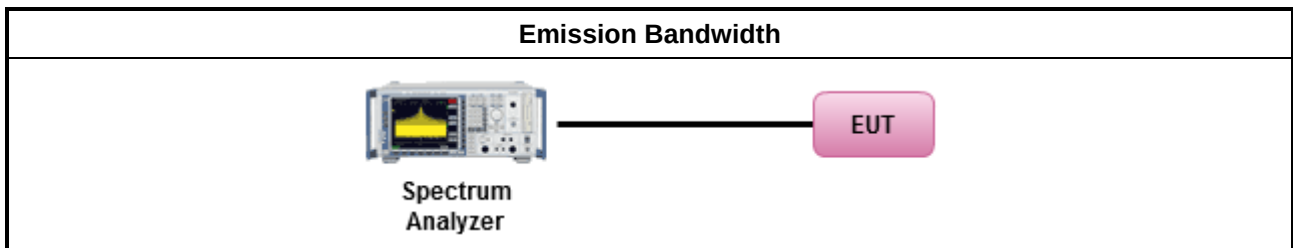
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
☒	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
☐	Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Fundamental Emissions

3.3.1 Fundamental Emissions Limit

Fundamental Emissions E-Field Strength Limit (3m)	
☐	902-928 MHz Band: 94 dBuV/m (quasi peak)
☒	2400-2483.5 MHz Band: 94 dBuV/m (average)
☐	5725-5875 MHz Band: 94 dBuV/m (average)

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

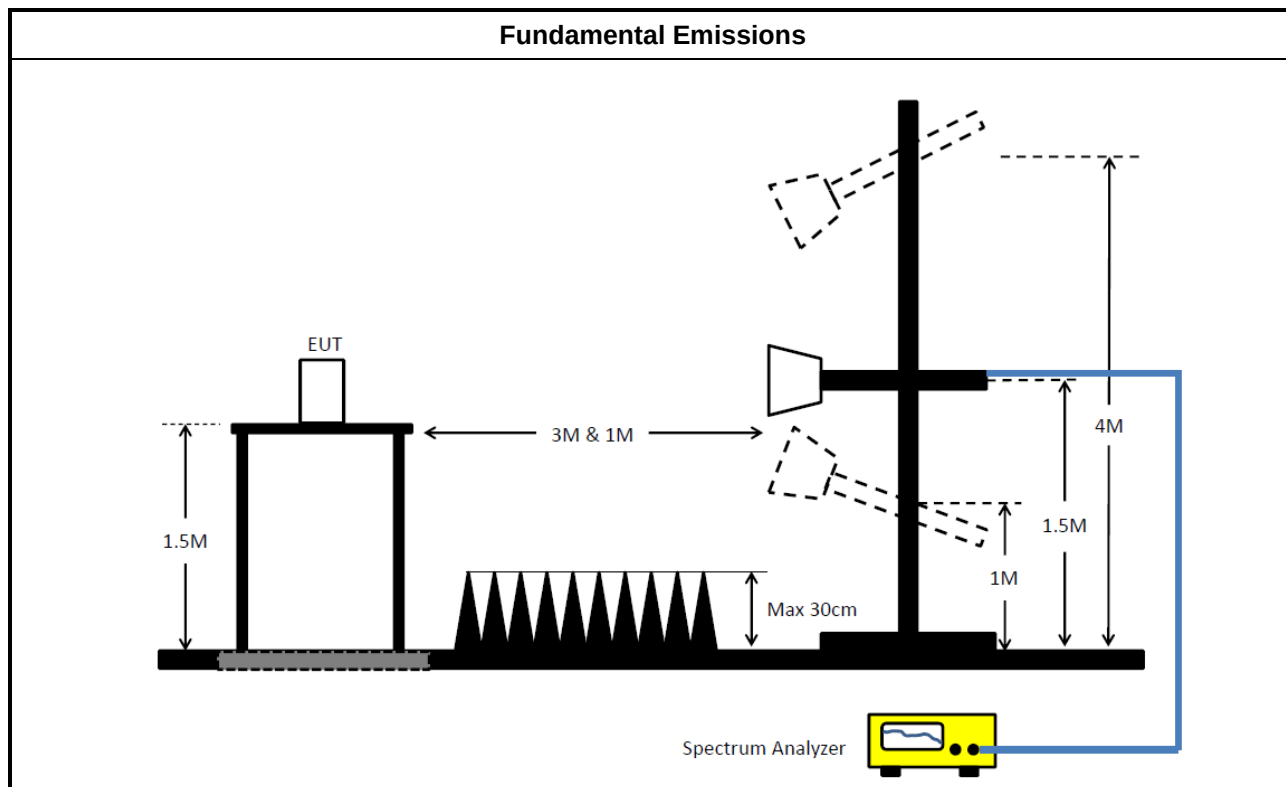
☒	The average emission levels shall be measured in [duty cycle $\geq$ 100 or by duty cycle correction factor].
☒	For the transmitter emissions shall be measured using following options below:
☒	Refer as ANSI C63.10, clause 4.1.4.2.3 (Reduced VBW) – Duty cycle $\geq$ 100%.
☐	Refer as ANSI C63.10, clause 4.1.4.2.4 average value of pulsed emissions. Adjusted by a “duty cycle correction factor”, derived from $20\log(\text{dwell time}/100 \text{ ms})$. Average emission = peak emission + 20 log (duty cycle).
☐	Refer as ANSI C63.10, clause 4.1.4.2.1 measurement procedure quasi-peak limit.
☒	Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
☐	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
☒	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1 GHz and test distance is 3m.

3.3.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.3.5 Test Setup



3.3.6 Test Result of Fundamental Emissions

Refer as Appendix C



3.4 Transmitter Radiated Unwanted Emissions

3.4.1 Transmitter Radiated Unwanted Emissions Limit

Transmitter Radiated Unwanted Emissions Limit	
Harmonics:	
☒	54 dBuV/m (average)
Other Unwanted Emissions:	
☒	50 dB below the level of the fundamental or Part 15.209, whichever is the lesser attenuation.

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method – General Information	
☒	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).
☒	The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].
☒	Refer as ANSI C63.10, clause 6.10.3 bandedge 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 ANSI C63.10, clause 4.1.4.2.3 (Reduced VBW) – Duty cycle $\geq$ 100%.
☐	Refer as ANSI C63.10, clause 4.1.4.2.4 average value of pulsed emissions. Adjusted by a “duty cycle correction factor”, derived from $20\log(\text{dwell time}/100 \text{ ms})$. Average emission = peak emission + $20\log(\text{duty cycle})$.
☐	Refer as ANSI C63.10, clause 4.1.4.2.1 measurement procedure quasi-peak limit.
☒	Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
☒	For the transmitter bandedge emissions shall be measured using following options below:
☒	Refer as ANSI C63.10, clause 6.10 for band-edge testing.
☐	Refer as ANSI C63.10, clause 6.10.6 for marker-delta method for band-edge measurements.
☒	For radiated measurement.
☒	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
☒	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
☒	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1 GHz and test distance is 3m.
☒	The any unwanted emissions level shall not exceed the fundamental emission level.
☒	All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

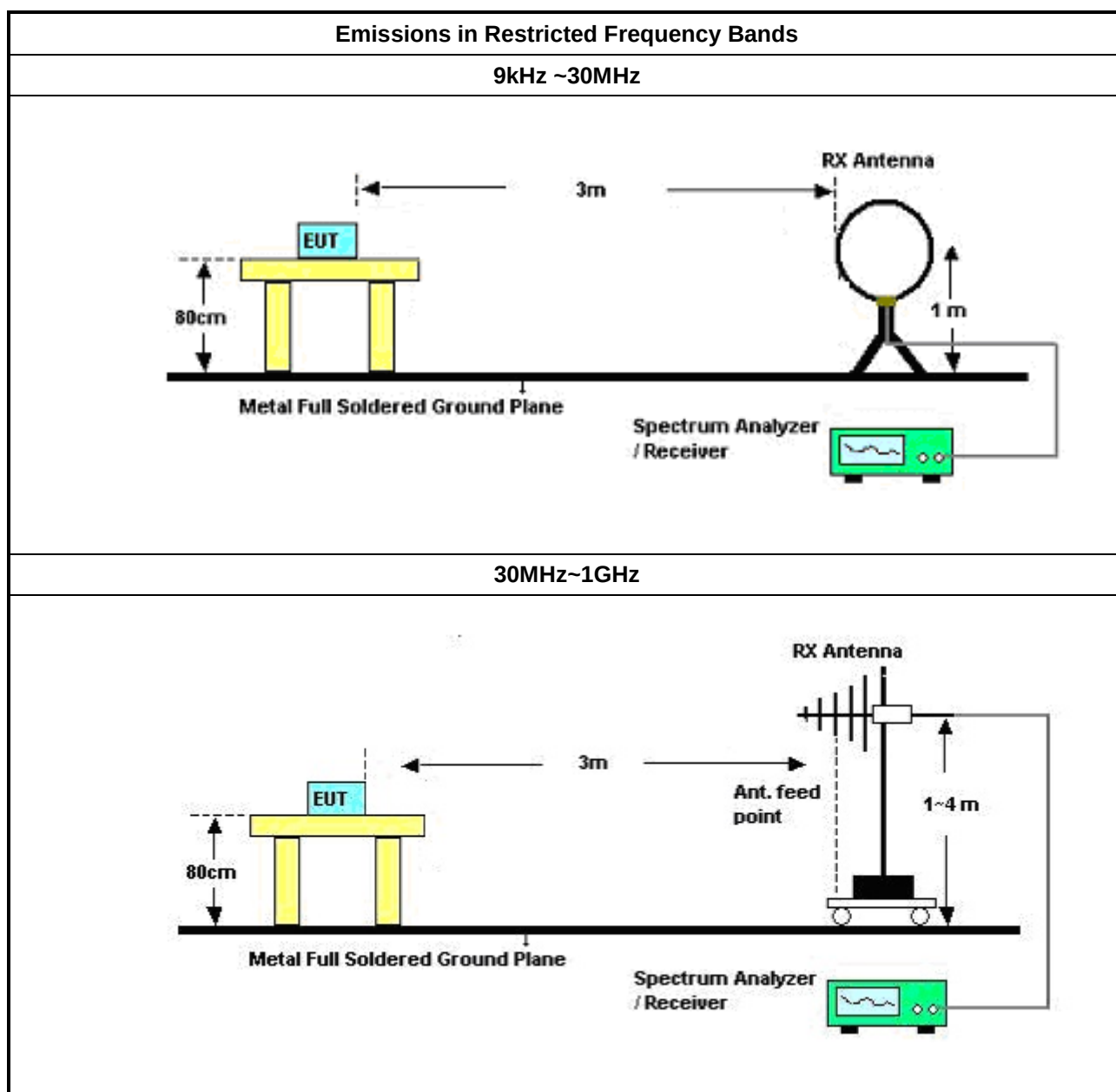
▪	KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.
▪	Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
▪	Open-field site and chamber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

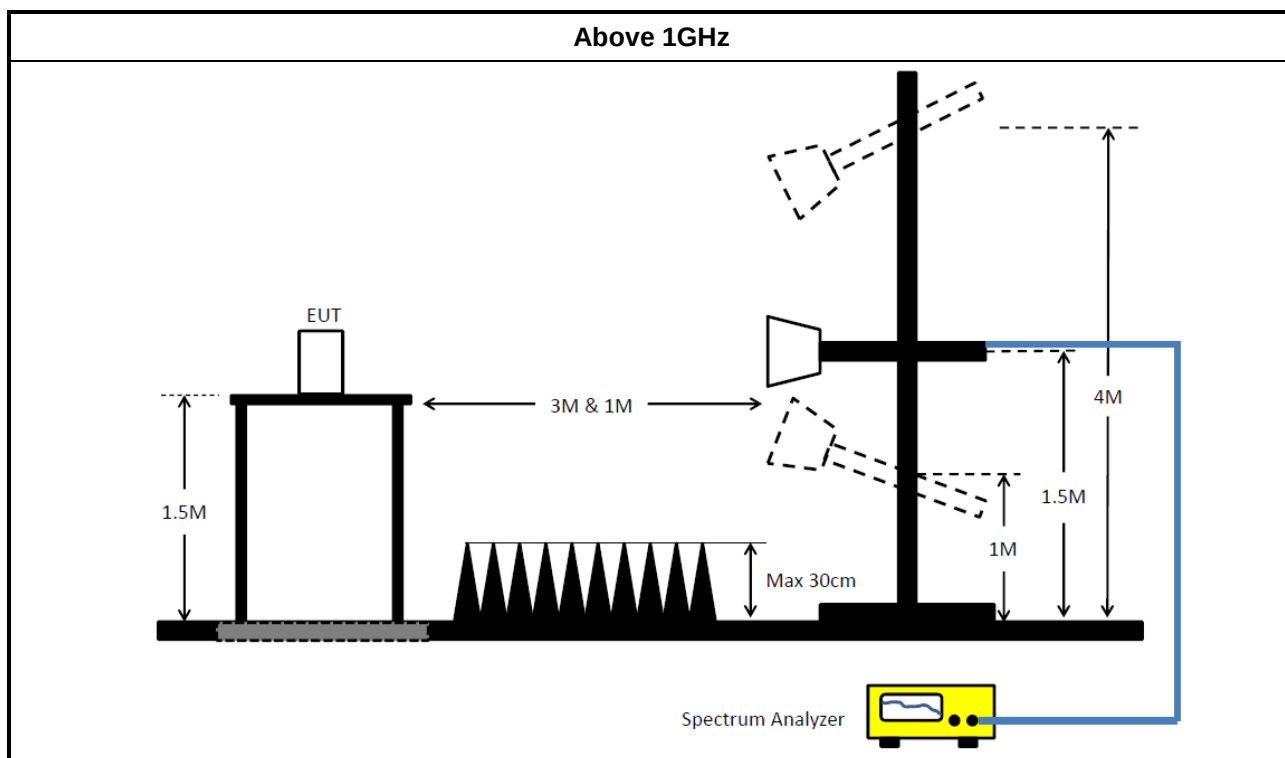
3.4.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.4.5 Test Setup





3.4.6 Transmitter Radiated Unwanted Emissions (Below 30MHz)

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

3.4.7 Transmitter Radiated Unwanted Emissions

Refer as Appendix C



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-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	31/Aug/2020	30/Aug/2021
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	21/Sep/2020	20/Sep/2021

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz~1GHz 3m	27/Mar/2020	26/Mar/2021
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	19/Mar/2020	18/Mar/2021
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	11/Aug/2020	10/Aug/2021
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	14/Apr/2020	13/Apr/2021
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	24/Jul/2020	23/Jul/2021
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D&MTJ6 102-05	35418 & 3	30MHz~1GHz	06/Sep/2020	05/Sep/2021
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	28/May/2020	27/May/2021
RF Cable-low	Jye Bao	RG142	CB031+324530/4	9kHz~30MHz	03/Sep/2020	02/Sep/2021
RF Cable-low	Jye Bao	RG142	CB031+324530/4	30MHz~1GHz	09/Feb/2021	08/Feb/2022
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	SN MY25918/4+ SN MY39478/4 + SN 324530/4	1GHz~40GHz	15/Aug/2020	14/Aug/2021
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	13/Mar/2020	12/Mar/2021
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	10/Mar/2020	09/Mar/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2020	15/Mar/2021
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	29/May/2020	28/May/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	18/Mar/2020	17/Mar/2021
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	18/Mar/2020	17/Mar/2021

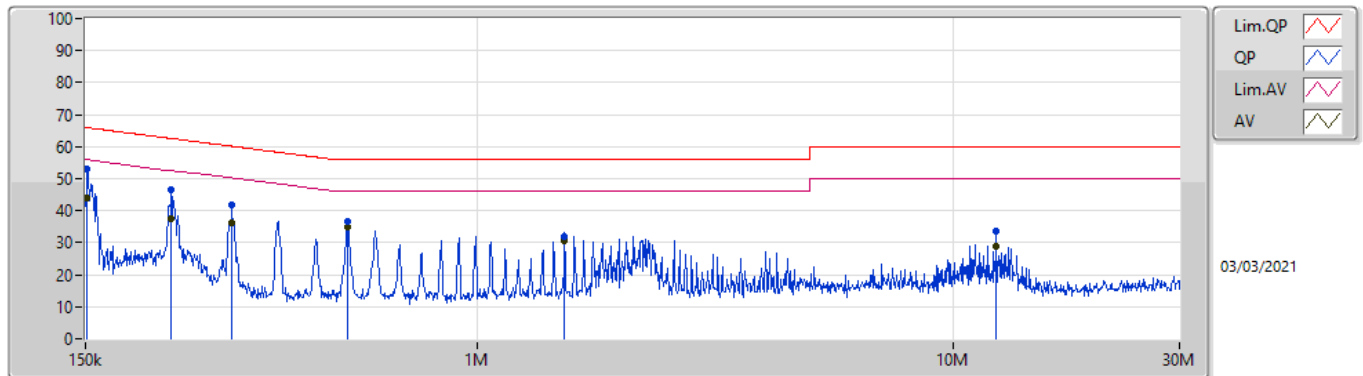
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	533.841k	34.71	46.00	-11.29	Line

Mode Configure

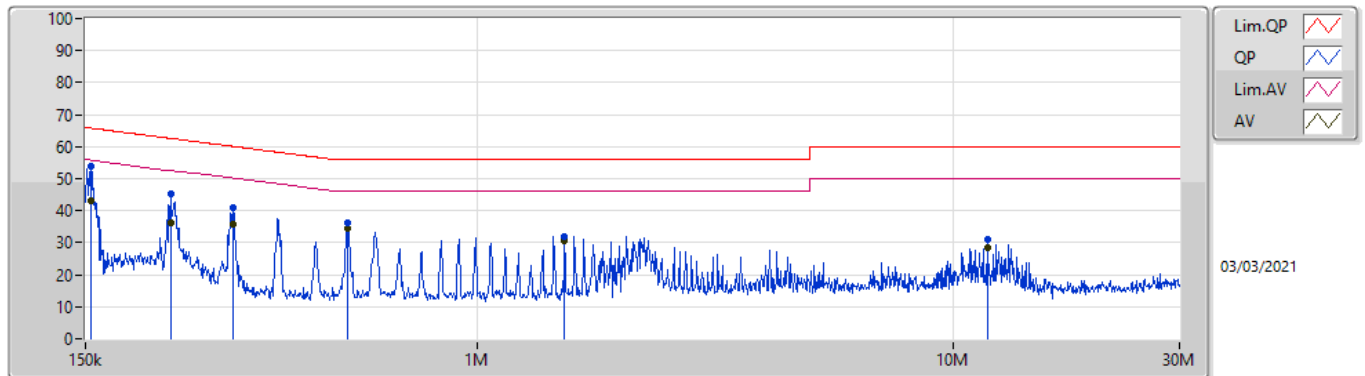
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	151.202k	52.98	65.92	-12.94	Line	-
Mode 1	Pass	AV	151.202k	44.09	55.92	-11.83	Line	-
Mode 1	Pass	QP	227.194k	46.76	62.56	-15.80	Line	-
Mode 1	Pass	AV	227.194k	37.51	52.56	-15.05	Line	-
Mode 1	Pass	QP	305.276k	41.92	60.09	-18.17	Line	-
Mode 1	Pass	AV	305.276k	36.26	50.09	-13.83	Line	-
Mode 1	Pass	QP	533.841k	36.44	56.00	-19.56	Line	-
Mode 1	Pass	AV	533.841k	34.71	46.00	-11.29	Line	-
Mode 1	Pass	QP	1.525M	31.89	56.00	-24.11	Line	-
Mode 1	Pass	AV	1.525M	30.69	46.00	-15.31	Line	-
Mode 1	Pass	QP	12.355M	33.77	60.00	-26.23	Line	-
Mode 1	Pass	AV	12.355M	29.07	50.00	-20.93	Line	-
Mode 1	Pass	QP	154.251k	53.76	65.77	-12.01	Neutral	-
Mode 1	Pass	AV	154.251k	43.22	55.77	-12.55	Neutral	-
Mode 1	Pass	QP	226.289k	45.14	62.58	-17.44	Neutral	-
Mode 1	Pass	AV	226.289k	36.11	52.58	-16.47	Neutral	-
Mode 1	Pass	QP	306.497k	40.85	60.07	-19.22	Neutral	-
Mode 1	Pass	AV	306.497k	35.64	50.07	-14.43	Neutral	-
Mode 1	Pass	QP	533.841k	36.31	56.00	-19.69	Neutral	-
Mode 1	Pass	AV	533.841k	34.50	46.00	-11.50	Neutral	-
Mode 1	Pass	QP	1.525M	31.88	56.00	-24.12	Neutral	-
Mode 1	Pass	AV	1.525M	30.57	46.00	-15.43	Neutral	-
Mode 1	Pass	QP	11.824M	31.06	60.00	-28.94	Neutral	-
Mode 1	Pass	AV	11.824M	28.51	50.00	-21.49	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	151.202k	52.98	65.92	-12.94	19.60	Line	-	33.38	9.69	0.01	9.90			
AV	151.202k	44.09	55.92	-11.83	19.60	Line	-	24.49	9.69	0.01	9.90			
QP	227.194k	46.76	62.56	-15.80	19.59	Line	-	27.17	9.68	0.01	9.90			
AV	227.194k	37.51	52.56	-15.05	19.59	Line	-	17.92	9.68	0.01	9.90			
QP	305.276k	41.92	60.09	-18.17	19.59	Line	-	22.33	9.67	0.02	9.90			
AV	305.276k	36.26	50.09	-13.83	19.59	Line	-	16.67	9.67	0.02	9.90			
QP	533.841k	36.44	56.00	-19.56	19.57	Line	-	16.87	9.67	0.03	9.87			
AV	533.841k	34.71	46.00	-11.29	19.57	Line	-	15.14	9.67	0.03	9.87			
QP	1.525M	31.89	56.00	-24.11	19.55	Line	-	12.34	9.68	0.07	9.80			
AV	1.525M	30.69	46.00	-15.31	19.55	Line	-	11.14	9.68	0.07	9.80			
QP	12.355M	33.77	60.00	-26.23	19.83	Line	-	13.94	9.70	0.23	9.90			
AV	12.355M	29.07	50.00	-20.93	19.83	Line	-	9.24	9.70	0.23	9.90			

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	154.251k	53.76	65.77	-12.01	19.60	Neutral	-	34.16	9.69	0.01	9.90			
AV	154.251k	43.22	55.77	-12.55	19.60	Neutral	-	23.62	9.69	0.01	9.90			
QP	226.289k	45.14	62.58	-17.44	19.59	Neutral	-	25.55	9.68	0.01	9.90			
AV	226.289k	36.11	52.58	-16.47	19.59	Neutral	-	16.52	9.68	0.01	9.90			
QP	306.497k	40.85	60.07	-19.22	19.59	Neutral	-	21.26	9.67	0.02	9.90			
AV	306.497k	35.64	50.07	-14.43	19.59	Neutral	-	16.05	9.67	0.02	9.90			
QP	533.841k	36.31	56.00	-19.69	19.57	Neutral	-	16.74	9.67	0.03	9.87			
AV	533.841k	34.50	46.00	-11.50	19.57	Neutral	-	14.93	9.67	0.03	9.87			
QP	1.525M	31.88	56.00	-24.12	19.55	Neutral	-	12.33	9.68	0.07	9.80			
AV	1.525M	30.57	46.00	-15.43	19.55	Neutral	-	11.02	9.68	0.07	9.80			
QP	11.824M	31.06	60.00	-28.94	19.86	Neutral	-	11.20	9.73	0.23	9.90			
AV	11.824M	28.51	50.00	-21.49	19.86	Neutral	-	8.65	9.73	0.23	9.90			

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
SRD(1Mbps)_Nss1_1TX	1.123M	825.837k	826KF1D.	1.121M	824.588k
SRD(2Mbps)_Nss1_1TX	2.056M	1.494M	1M49F1D.	2.049M	1.486M

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

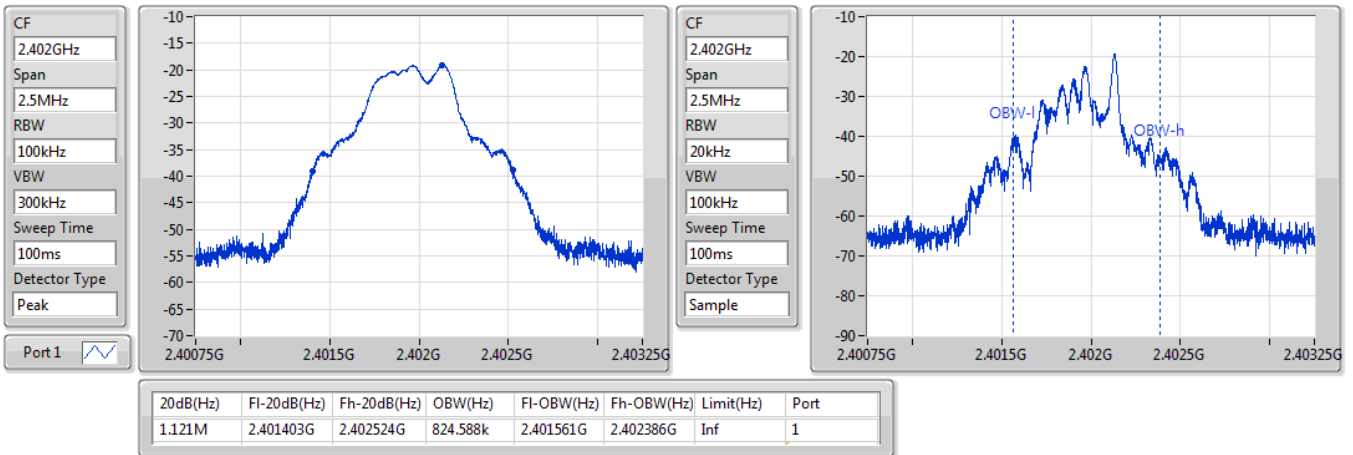
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
SRD(1Mbps)_Nss1_1TX	-	-	-	-
2402MHz	Pass	Inf	1.121M	824.588k
2440MHz	Pass	Inf	1.123M	825.837k
2480MHz	Pass	Inf	1.123M	824.588k
SRD(2Mbps)_Nss1_1TX	-	-	-	-
2402MHz	Pass	Inf	2.053M	1.486M
2440MHz	Pass	Inf	2.049M	1.492M
2480MHz	Pass	Inf	2.056M	1.494M

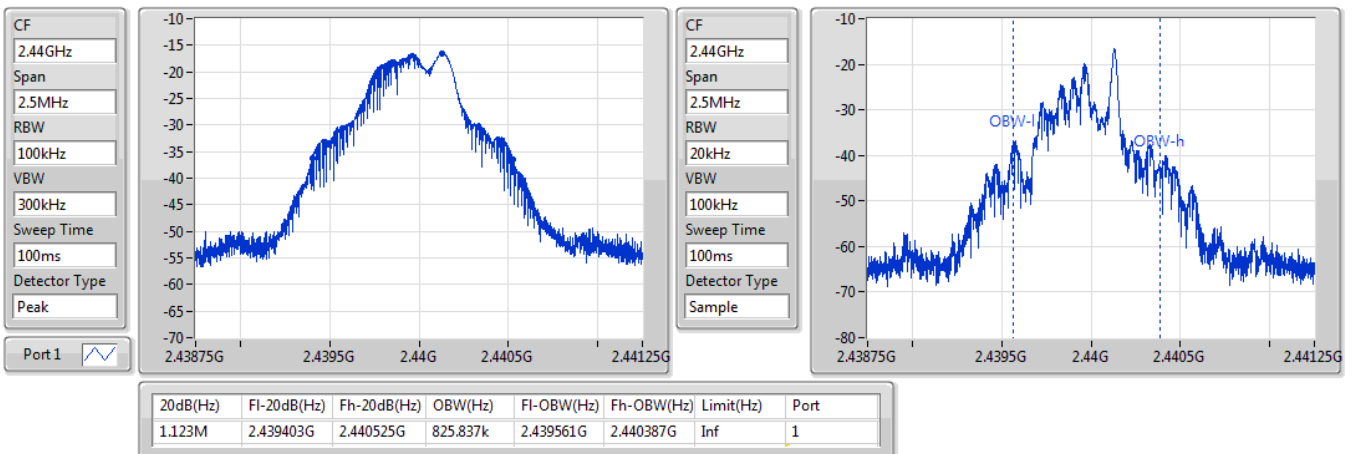
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

SRD(1Mbps)_Nss1_1TX
EBW
2402MHz

08/03/2021

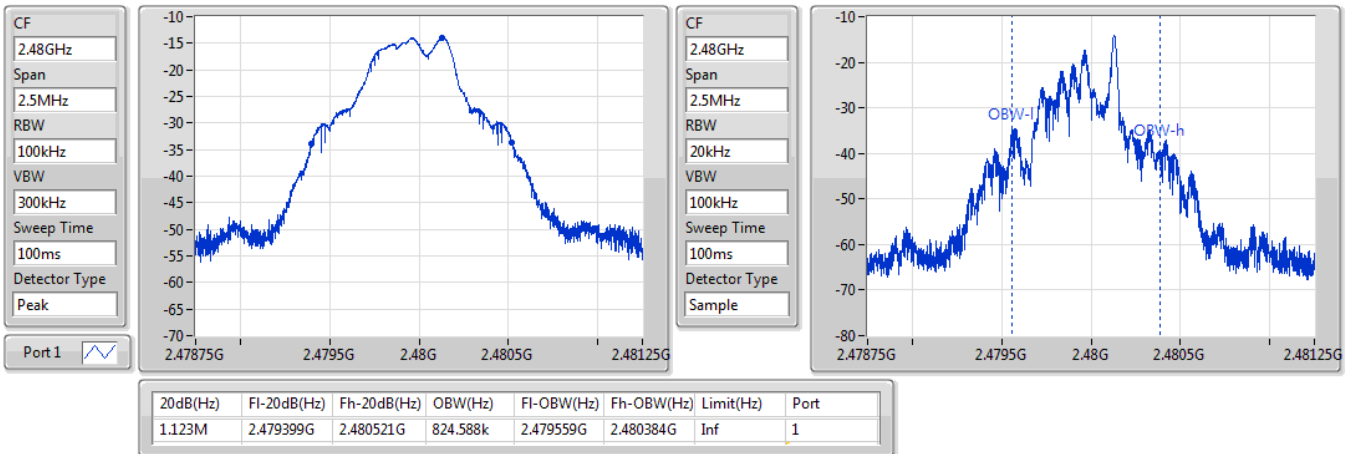

SRD(1Mbps)_Nss1_1TX
EBW
2440MHz

08/03/2021

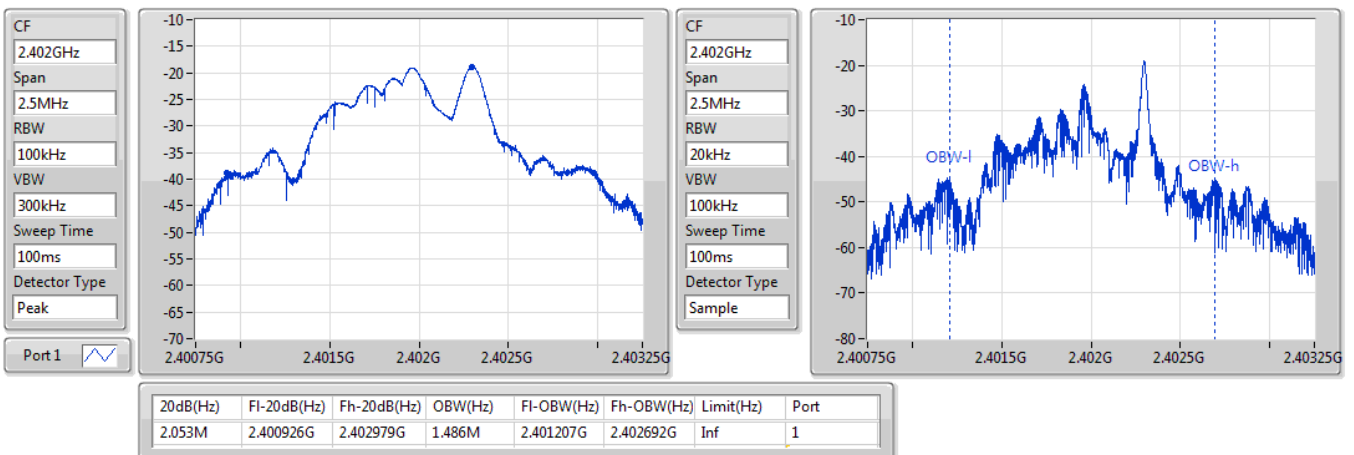


SRD(1Mbps)_Nss1_1TX
EBW
2480MHz

08/03/2021

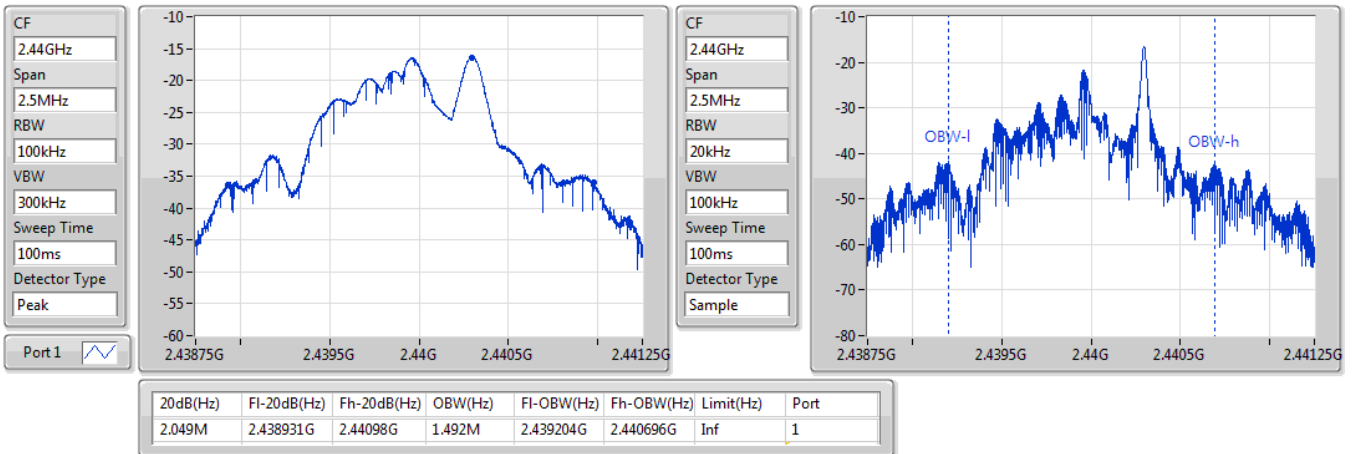

SRD(2Mbps)_Nss1_1TX
EBW
2402MHz

08/03/2021

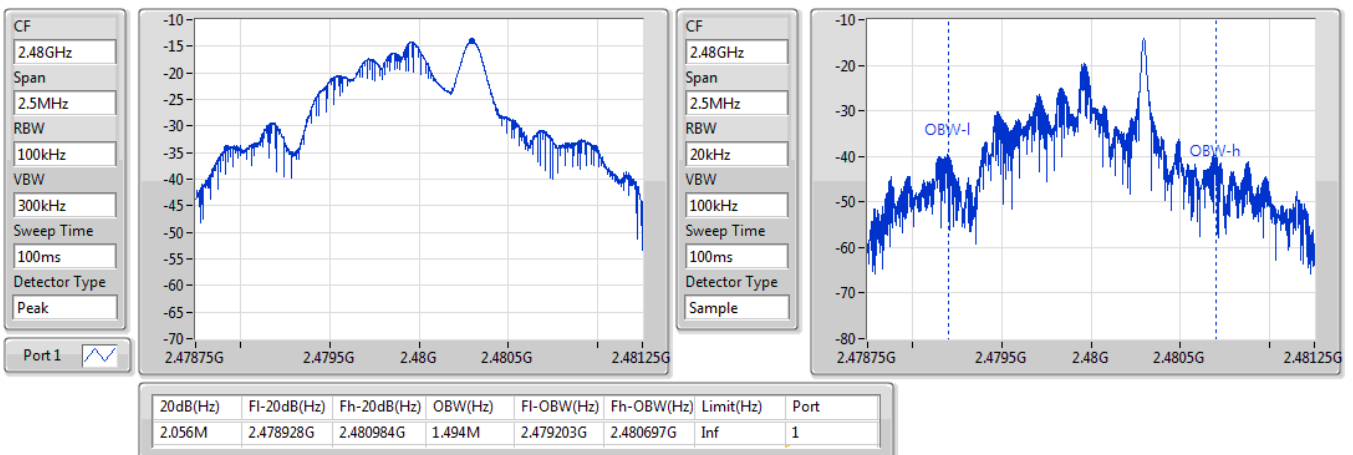


SRD(2Mbps)_Nss1_1TX
EBW
2440MHz

08/03/2021


SRD(2Mbps)_Nss1_1TX
EBW
2480MHz

08/03/2021





Summary

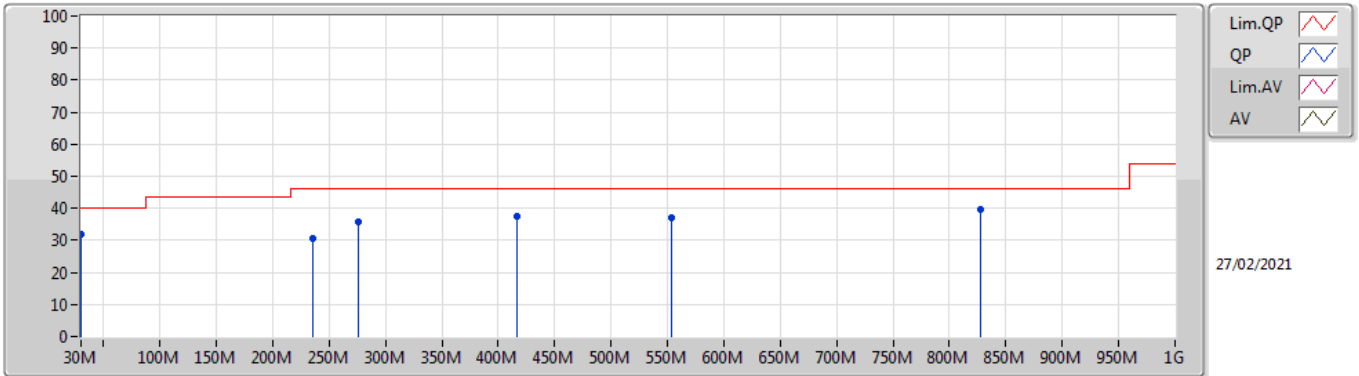
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
SRD(2Mbps)_Nss1_1TX	Pass	PK	761.38M	42.07	46.00	-3.93	3	Horizontal	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
SRD(2Mbps)_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	PK	30M	31.91	40.00	-8.09	3	Vertical	360	1.00	-
2440MHz	Pass	PK	235.64M	30.62	46.00	-15.38	3	Vertical	360	1.00	-
2440MHz	Pass	PK	276.38M	35.86	46.00	-10.14	3	Vertical	360	1.00	-
2440MHz	Pass	PK	416.06M	37.35	46.00	-8.65	3	Vertical	360	1.00	-
2440MHz	Pass	PK	553.8M	36.87	46.00	-9.13	3	Vertical	360	1.00	-
2440MHz	Pass	PK	827.34M	39.66	46.00	-6.34	3	Vertical	360	1.00	-
2440MHz	Pass	PK	99.84M	28.45	43.50	-15.05	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	220.12M	30.92	46.00	-15.08	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	276.38M	37.96	46.00	-8.04	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	416.06M	38.76	46.00	-7.24	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	761.38M	42.07	46.00	-3.93	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	827.34M	40.57	46.00	-5.43	3	Horizontal	0	1.00	-

SRD(2Mbps)_Nss1_1TX

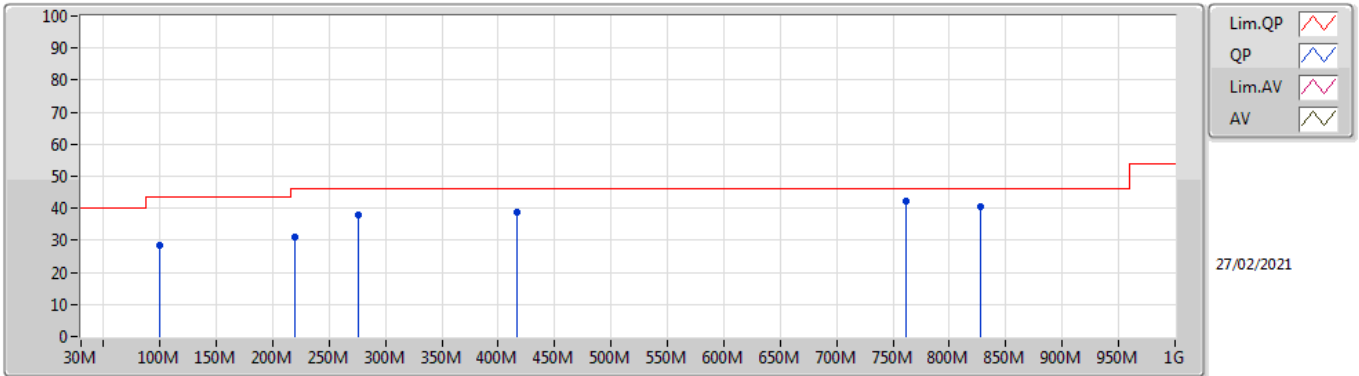
2440MHz_USB



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	31.91	40.00	-8.09	-13.04	3	Vertical	360	1.00	-	44.95	23.51	0.56	37.11
PK	235.64M	30.62	46.00	-15.38	-19.01	3	Vertical	360	1.00	-	49.63	15.90	1.45	36.36
PK	276.38M	35.86	46.00	-10.14	-16.95	3	Vertical	360	1.00	-	52.81	17.85	1.59	36.39
PK	416.06M	37.35	46.00	-8.65	-12.69	3	Vertical	360	1.00	-	50.04	21.82	1.97	36.48
PK	553.8M	36.87	46.00	-9.13	-9.79	3	Vertical	360	1.00	-	46.66	24.92	2.39	37.10
PK	827.34M	39.66	46.00	-6.34	-7.13	3	Vertical	360	1.00	-	46.79	27.64	2.85	37.62

SRD(2Mbps)_Nss1_1TX

2440MHz_USB



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	99.84M	28.45	43.50	-15.05	-20.36	3	Horizontal	0	1.00	-	48.81	15.23	0.97	36.56
PK	220.12M	30.92	46.00	-15.08	-20.52	3	Horizontal	0	1.00	-	51.44	14.37	1.39	36.28
PK	276.38M	37.96	46.00	-8.04	-16.95	3	Horizontal	0	1.00	-	54.91	17.85	1.59	36.39
PK	416.06M	38.76	46.00	-7.24	-12.69	3	Horizontal	0	1.00	-	51.45	21.82	1.97	36.48
PK	761.38M	42.07	46.00	-3.93	-7.20	3	Horizontal	0	1.00	-	49.27	27.29	2.78	37.27
PK	827.34M	40.57	46.00	-5.43	-7.13	3	Horizontal	0	1.00	-	47.70	27.64	2.85	37.62



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	-	-	-	-	-	-	-	-	-	-	-
SRD(1Mbps)_Nss1_1TX	Pass	AV	2.44G	92.32	94.00	-1.68	3	Horizontal	237	1.47	-
SRD(2Mbps)_Nss1_1TX	Pass	AV	2.48G	92.57	94.00	-1.43	3	Horizontal	236	1.04	-

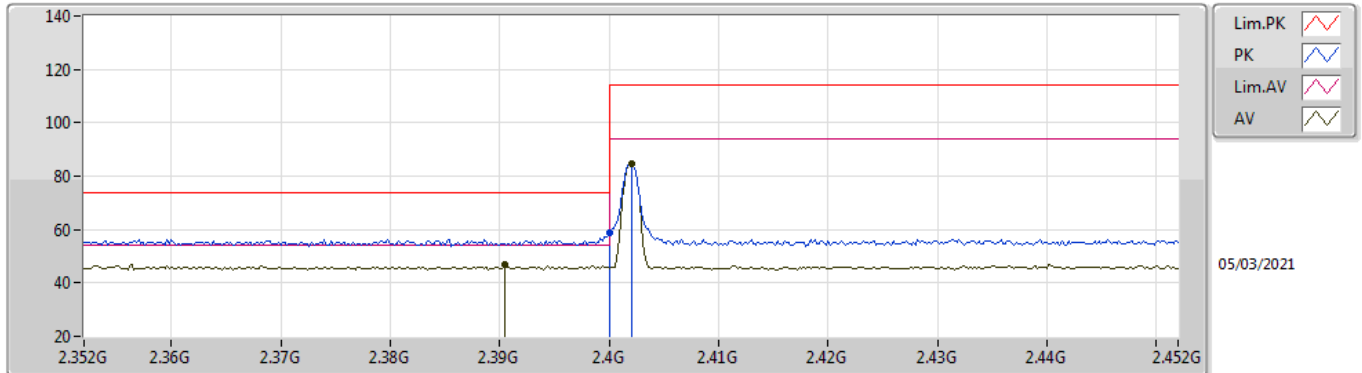
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
SRD(1Mbps)_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3904G	46.83	54.00	-7.17	3	Vertical	75	1.07	-
2402MHz	Pass	AV	2.402G	84.63	94.00	-9.37	3	Vertical	75	1.07	-
2402MHz	Pass	PK	2.4G	58.61	74.00	-15.39	3	Vertical	75	1.07	-
2402MHz	Pass	PK	2.402G	84.81	114.00	-29.19	3	Vertical	75	1.07	-
2402MHz	Pass	AV	2.3984G	46.85	54.00	-7.15	3	Horizontal	238	1.00	-
2402MHz	Pass	AV	2.402G	92.12	94.00	-1.88	3	Horizontal	238	1.00	-
2402MHz	Pass	PK	2.4G	64.58	74.00	-9.42	3	Horizontal	238	1.00	-
2402MHz	Pass	PK	2.402G	92.19	114.00	-21.81	3	Horizontal	238	1.00	-
2402MHz	Pass	AV	4.80391G	41.92	54.00	-12.08	3	Vertical	282	1.16	-
2402MHz	Pass	PK	4.80378G	47.87	74.00	-26.13	3	Vertical	282	1.16	-
2402MHz	Pass	AV	4.80397G	44.08	54.00	-9.92	3	Horizontal	170	1.00	-
2402MHz	Pass	PK	4.80368G	49.55	74.00	-24.45	3	Horizontal	170	1.00	-
2440MHz	Pass	AV	2.3508G	46.59	54.00	-7.41	3	Vertical	144	1.00	-
2440MHz	Pass	AV	2.44G	88.55	94.00	-5.45	3	Vertical	144	1.00	-
2440MHz	Pass	AV	2.4864G	46.77	54.00	-7.23	3	Vertical	144	1.00	-
2440MHz	Pass	PK	2.3828G	56.14	74.00	-17.86	3	Vertical	144	1.00	-
2440MHz	Pass	PK	2.44G	88.65	114.00	-25.35	3	Vertical	144	1.00	-
2440MHz	Pass	PK	2.4916G	56.62	74.00	-17.38	3	Vertical	144	1.00	-
2440MHz	Pass	AV	2.376G	46.71	54.00	-7.29	3	Horizontal	237	1.47	-
2440MHz	Pass	AV	2.44G	92.32	94.00	-1.68	3	Horizontal	237	1.47	-
2440MHz	Pass	AV	2.4872G	46.69	54.00	-7.31	3	Horizontal	237	1.47	-
2440MHz	Pass	PK	2.3696G	56.55	74.00	-17.45	3	Horizontal	237	1.47	-
2440MHz	Pass	PK	2.44G	92.39	114.00	-21.61	3	Horizontal	237	1.47	-
2440MHz	Pass	PK	2.4956G	56.89	74.00	-17.11	3	Horizontal	237	1.47	-
2440MHz	Pass	AV	4.88027G	48.65	54.00	-5.35	3	Vertical	256	1.28	-
2440MHz	Pass	PK	4.8799G	52.46	74.00	-21.54	3	Vertical	256	1.28	-
2440MHz	Pass	AV	4.87997G	45.70	54.00	-8.30	3	Horizontal	169	1.00	-
2440MHz	Pass	PK	4.87992G	50.42	74.00	-23.58	3	Horizontal	169	1.00	-
2480MHz	Pass	AV	2.48G	87.84	94.00	-6.16	3	Vertical	153	1.00	-
2480MHz	Pass	AV	2.4956G	46.73	54.00	-7.27	3	Vertical	153	1.00	-
2480MHz	Pass	PK	2.48G	87.97	114.00	-26.03	3	Vertical	153	1.00	-
2480MHz	Pass	PK	2.4838G	56.62	74.00	-17.38	3	Vertical	153	1.00	-
2480MHz	Pass	AV	2.48G	92.21	94.00	-1.79	3	Horizontal	234	1.43	-
2480MHz	Pass	AV	2.4928G	46.86	54.00	-7.14	3	Horizontal	234	1.43	-
2480MHz	Pass	PK	2.48G	92.30	114.00	-21.70	3	Horizontal	234	1.43	-
2480MHz	Pass	PK	2.4836G	60.39	74.00	-13.61	3	Horizontal	234	1.43	-
2480MHz	Pass	AV	4.96G	42.79	54.00	-11.21	3	Vertical	279	1.07	-
2480MHz	Pass	PK	4.95992G	47.40	74.00	-26.60	3	Vertical	279	1.07	-
2480MHz	Pass	AV	4.95993G	45.91	54.00	-8.09	3	Horizontal	171	2.95	-
2480MHz	Pass	PK	4.96008G	49.91	74.00	-24.09	3	Horizontal	171	2.95	-
SRD(2Mbps)_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3868G	46.62	54.00	-7.38	3	Vertical	123	1.16	-
2402MHz	Pass	AV	2.402G	87.04	94.00	-6.96	3	Vertical	123	1.16	-
2402MHz	Pass	PK	2.4G	60.09	74.00	-13.91	3	Vertical	123	1.16	-
2402MHz	Pass	PK	2.402G	87.17	114.00	-26.83	3	Vertical	123	1.16	-
2402MHz	Pass	AV	2.3996G	47.36	54.00	-6.64	3	Horizontal	239	1.03	-
2402MHz	Pass	AV	2.402G	92.24	94.00	-1.76	3	Horizontal	239	1.03	-
2402MHz	Pass	PK	2.4G	63.96	74.00	-10.04	3	Horizontal	239	1.03	-
2402MHz	Pass	PK	2.402G	92.31	114.00	-21.69	3	Horizontal	239	1.03	-
2402MHz	Pass	AV	4.80399G	42.14	54.00	-11.86	3	Vertical	283	1.17	-
2402MHz	Pass	PK	4.80388G	47.96	74.00	-26.04	3	Vertical	283	1.17	-
2402MHz	Pass	AV	4.80395G	44.41	54.00	-9.59	3	Horizontal	169	1.00	-
2402MHz	Pass	PK	4.8038G	49.31	74.00	-24.69	3	Horizontal	169	1.00	-
2440MHz	Pass	AV	2.3776G	46.43	54.00	-7.57	3	Vertical	145	1.00	-
2440MHz	Pass	AV	2.44G	88.42	94.00	-5.58	3	Vertical	145	1.00	-
2440MHz	Pass	AV	2.49G	46.91	54.00	-7.09	3	Vertical	145	1.00	-
2440MHz	Pass	PK	2.3756G	56.48	74.00	-17.52	3	Vertical	145	1.00	-
2440MHz	Pass	PK	2.44G	88.59	114.00	-25.41	3	Vertical	145	1.00	-
2440MHz	Pass	PK	2.4892G	56.34	74.00	-17.66	3	Vertical	145	1.00	-
2440MHz	Pass	AV	2.3568G	46.95	54.00	-7.05	3	Horizontal	238	1.46	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2440MHz	Pass	AV	2.44G	92.19	94.00	-1.81	3	Horizontal	238	1.46	-
2440MHz	Pass	AV	2.4928G	47.08	54.00	-6.92	3	Horizontal	238	1.46	-
2440MHz	Pass	PK	2.3764G	56.51	74.00	-17.49	3	Horizontal	238	1.46	-
2440MHz	Pass	PK	2.44G	92.28	114.00	-21.72	3	Horizontal	238	1.46	-
2440MHz	Pass	PK	2.4912G	57.46	74.00	-16.54	3	Horizontal	238	1.46	-
2440MHz	Pass	AV	4.87998G	42.71	54.00	-11.29	3	Vertical	282	1.01	-
2440MHz	Pass	PK	4.8799G	47.56	74.00	-26.44	3	Vertical	282	1.01	-
2440MHz	Pass	AV	4.8799G	46.31	54.00	-7.69	3	Horizontal	168	1.00	-
2440MHz	Pass	PK	4.87993G	50.94	74.00	-23.06	3	Horizontal	168	1.00	-
2480MHz	Pass	AV	2.48G	88.52	94.00	-5.48	3	Vertical	143	1.00	-
2480MHz	Pass	AV	2.4962G	46.91	54.00	-7.09	3	Vertical	143	1.00	-
2480MHz	Pass	PK	2.48G	88.67	114.00	-25.33	3	Vertical	143	1.00	-
2480MHz	Pass	PK	2.4835G	57.95	74.00	-16.05	3	Vertical	143	1.00	-
2480MHz	Pass	AV	2.48G	92.57	94.00	-1.43	3	Horizontal	236	1.04	-
2480MHz	Pass	AV	2.4848G	47.05	54.00	-6.95	3	Horizontal	236	1.04	-
2480MHz	Pass	PK	2.48G	92.65	114.00	-21.35	3	Horizontal	236	1.04	-
2480MHz	Pass	PK	2.4835G	60.00	74.00	-14.00	3	Horizontal	236	1.04	-
2480MHz	Pass	AV	4.95997G	43.94	54.00	-10.06	3	Vertical	279	1.07	-
2480MHz	Pass	PK	4.95992G	48.89	74.00	-25.11	3	Vertical	279	1.07	-
2480MHz	Pass	AV	4.95991G	46.47	54.00	-7.53	3	Horizontal	172	2.96	-
2480MHz	Pass	PK	4.95996G	50.18	74.00	-23.82	3	Horizontal	172	2.96	-

SRD(1Mbps)_Nss1_1TX

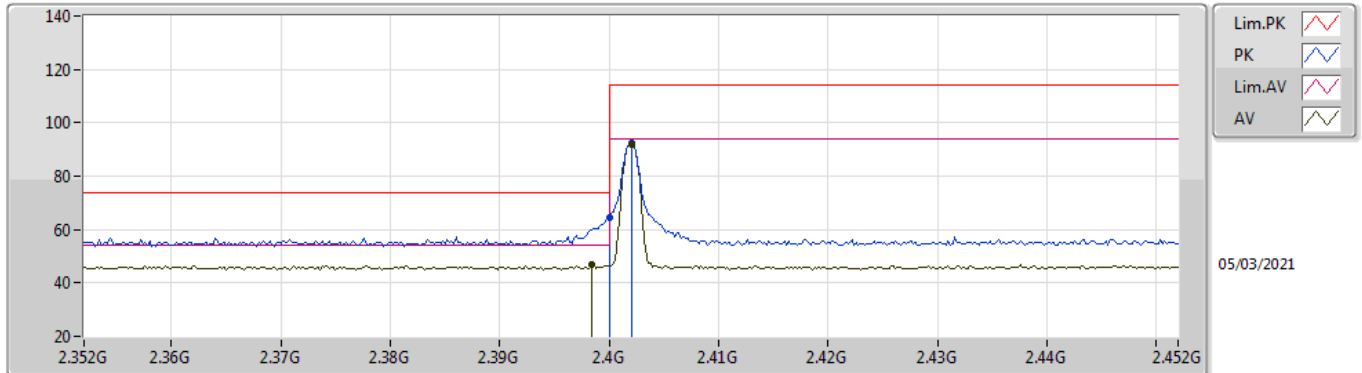
2402MHz_TX



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	2.3904G	46.83	54.00	-7.17	31.53	3	Vertical	75	1.07	-	15.30	27.64	3.89	-
AV	2.402G	84.63	94.00	-9.37	31.50	3	Vertical	75	1.07	-	53.13	27.60	3.90	-
PK	2.4G	58.61	74.00	-15.39	31.50	3	Vertical	75	1.07	-	27.11	27.60	3.90	-
PK	2.402G	84.81	114.00	-29.19	31.50	3	Vertical	75	1.07	-	53.31	27.60	3.90	-

SRD(1Mbps)_Nss1_1TX

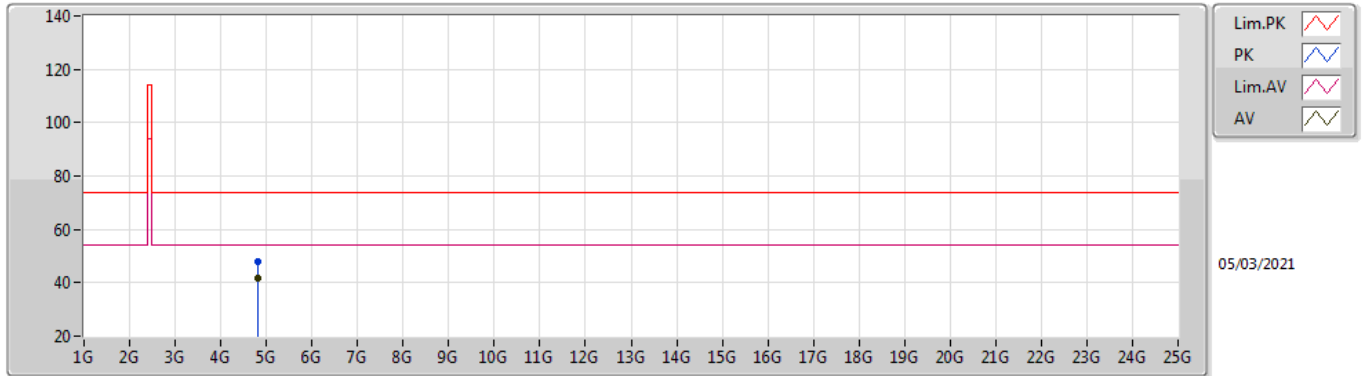
2402MHz_TX



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	2.3984G	46.85	54.00	-7.15	31.51	3	Horizontal	238	1.00	-	15.34	27.61	3.90	-
AV	2.402G	92.12	94.00	-1.88	31.50	3	Horizontal	238	1.00	-	60.62	27.60	3.90	-
PK	2.4G	64.58	74.00	-9.42	31.50	3	Horizontal	238	1.00	-	33.08	27.60	3.90	-
PK	2.402G	92.19	114.00	-21.81	31.50	3	Horizontal	238	1.00	-	60.69	27.60	3.90	-

SRD(1Mbps)_Nss1_1TX

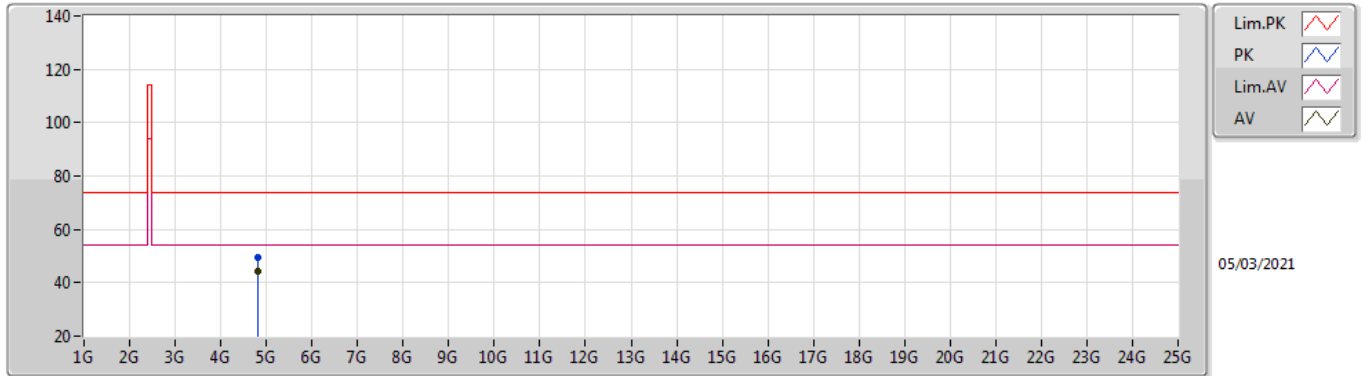
2402MHz_TX



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	4.80391G	41.92	54.00	-12.08	1.49	3	Vertical	282	1.16	-	40.43	31.12	5.30	34.93
PK	4.80378G	47.87	74.00	-26.13	1.49	3	Vertical	282	1.16	-	46.38	31.12	5.30	34.93

SRD(1Mbps)_Nss1_1TX

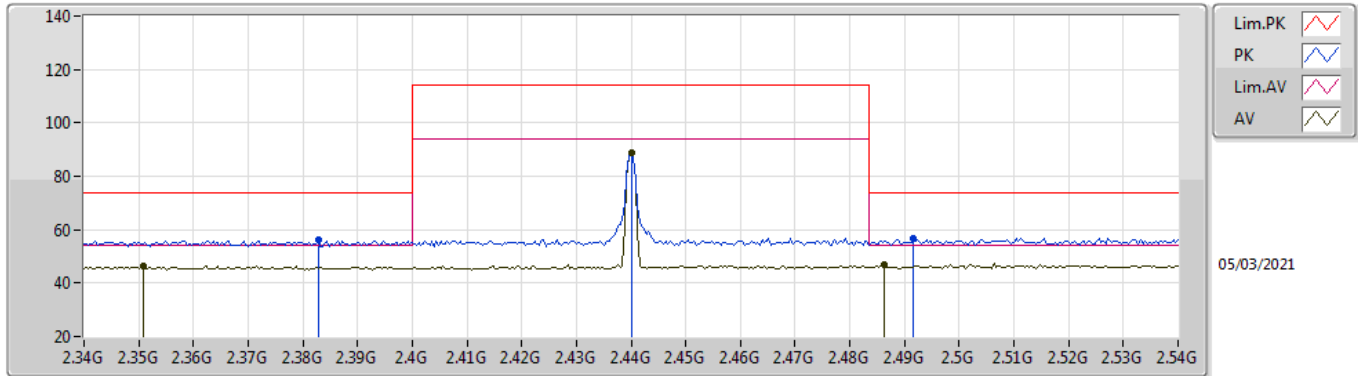
2402MHz_TX



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	4.80397G	44.08	54.00	-9.92	1.49	3	Horizontal	170	1.00	-	42.59	31.12	5.30	34.93
PK	4.80368G	49.55	74.00	-24.45	1.48	3	Horizontal	170	1.00	-	48.07	31.11	5.30	34.93

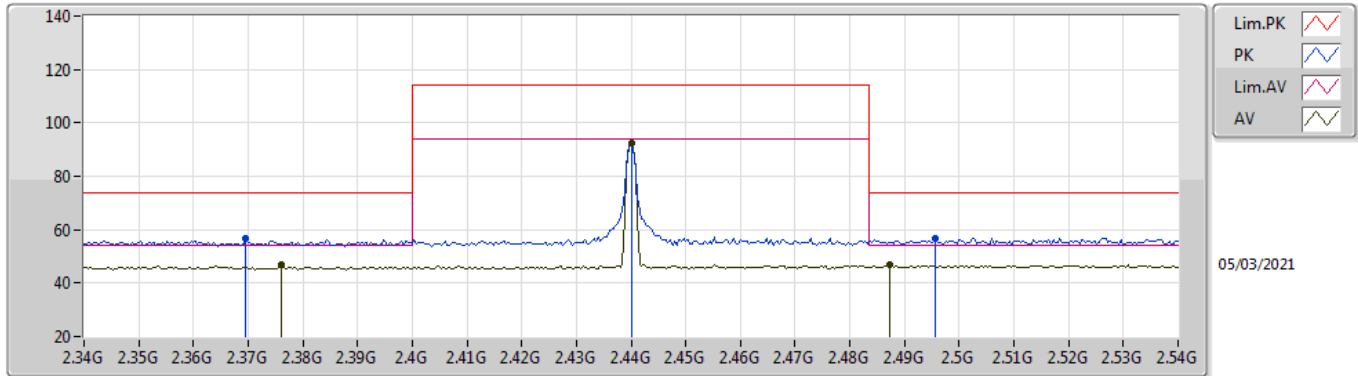
SRD(1Mbps)_Nss1_1TX

2440MHz_TX



SRD(1Mbps)_Nss1_1TX

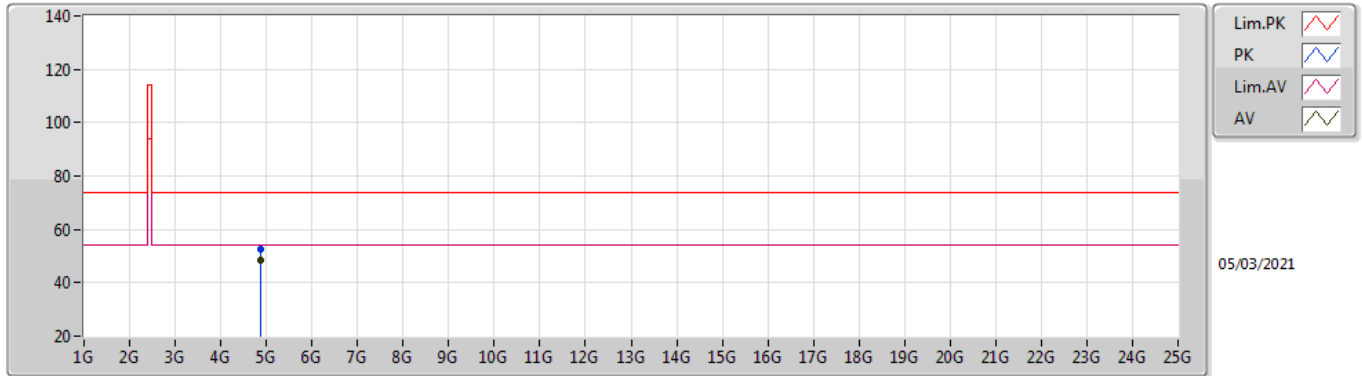
2440MHz_TX



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	2.376G	46.71	54.00	-7.29	31.56	3	Horizontal	237	1.47	-	15.15	27.70	3.86	-
AV	2.44G	92.32	94.00	-1.68	31.56	3	Horizontal	237	1.47	-	60.76	27.60	3.96	-
AV	2.4872G	46.69	54.00	-7.31	31.63	3	Horizontal	237	1.47	-	15.06	27.60	4.03	-
PK	2.3696G	56.55	74.00	-17.45	31.57	3	Horizontal	237	1.47	-	24.98	27.72	3.85	-
PK	2.44G	92.39	114.00	-21.61	31.56	3	Horizontal	237	1.47	-	60.83	27.60	3.96	-
PK	2.4956G	56.89	74.00	-17.11	31.64	3	Horizontal	237	1.47	-	25.25	27.60	4.04	-

SRD(1Mbps)_Nss1_1TX

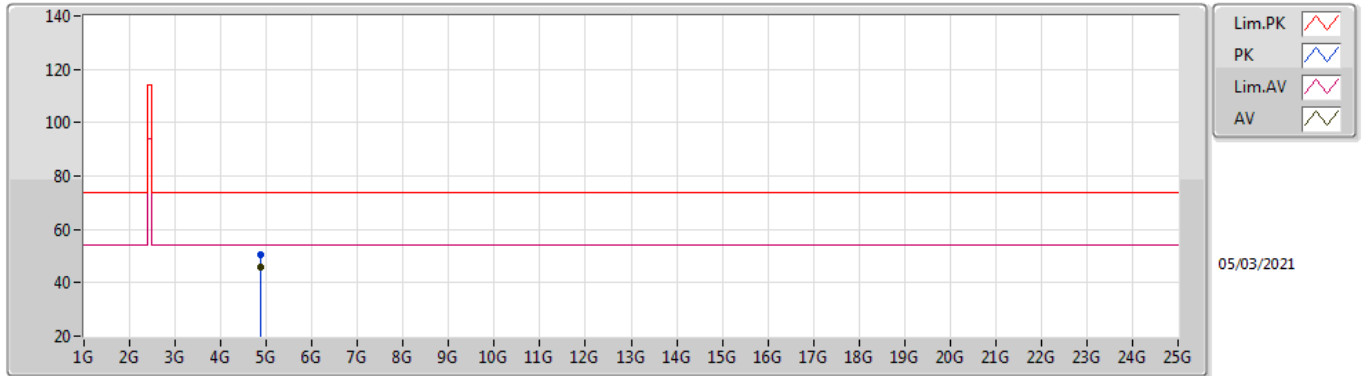
2440MHz_TX



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	4.88027G	48.65	54.00	-5.35	1.65	3	Vertical	256	1.28	-	47.00	31.24	5.34	34.93
PK	4.8799G	52.46	74.00	-21.54	1.65	3	Vertical	256	1.28	-	50.81	31.24	5.34	34.93

SRD(1Mbps)_Nss1_1TX

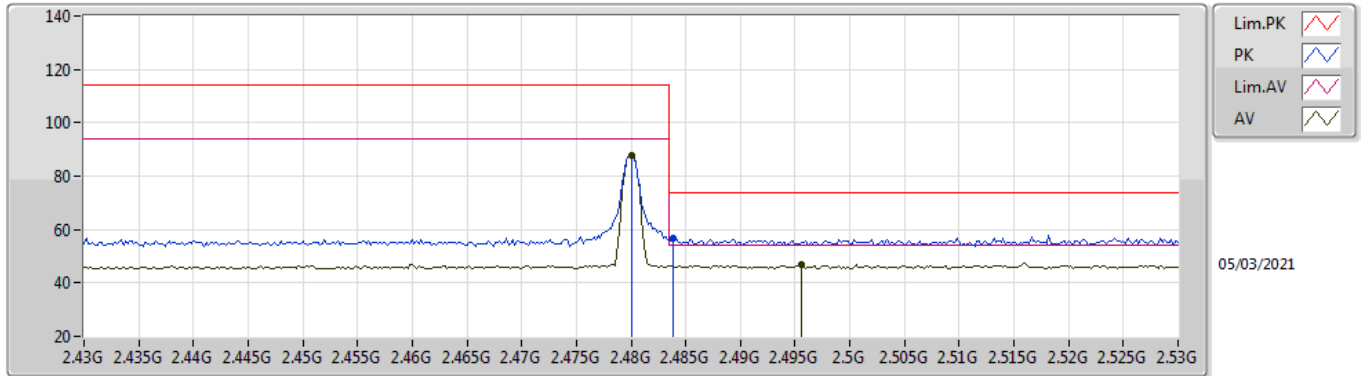
2440MHz_TX



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	4.87997G	45.70	54.00	-8.30	1.65	3	Horizontal	169	1.00	-	44.05	31.24	5.34	34.93
PK	4.87992G	50.42	74.00	-23.58	1.65	3	Horizontal	169	1.00	-	48.77	31.24	5.34	34.93

SRD(1Mbps)_Nss1_1TX

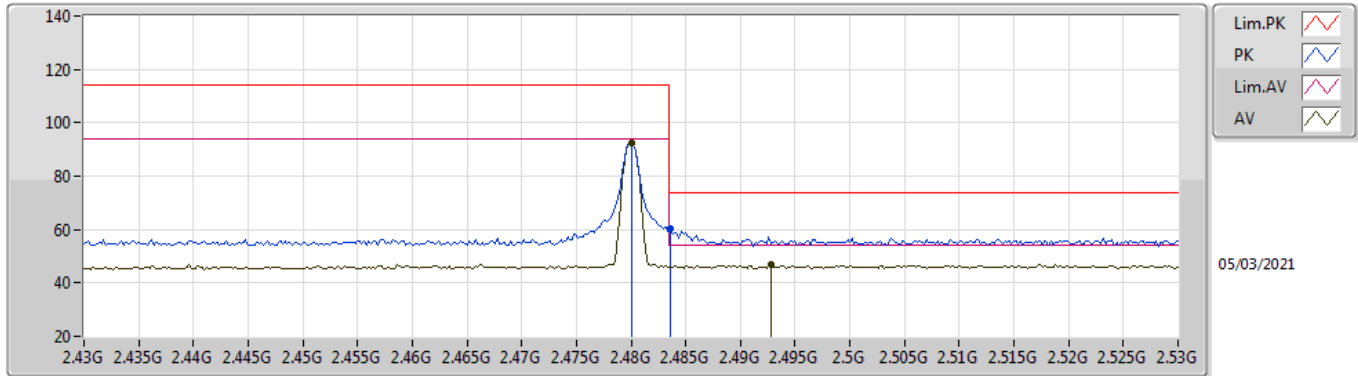
2480MHz_TX



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	2.48G	87.84	94.00	-6.16	31.62	3	Vertical	153	1.00	-	56.22	27.60	4.02	-
AV	2.4956G	46.73	54.00	-7.27	31.64	3	Vertical	153	1.00	-	15.09	27.60	4.04	-
PK	2.48G	87.97	114.00	-26.03	31.62	3	Vertical	153	1.00	-	56.35	27.60	4.02	-
PK	2.4838G	56.62	74.00	-17.38	31.63	3	Vertical	153	1.00	-	24.99	27.60	4.03	-

SRD(1Mbps)_Nss1_1TX

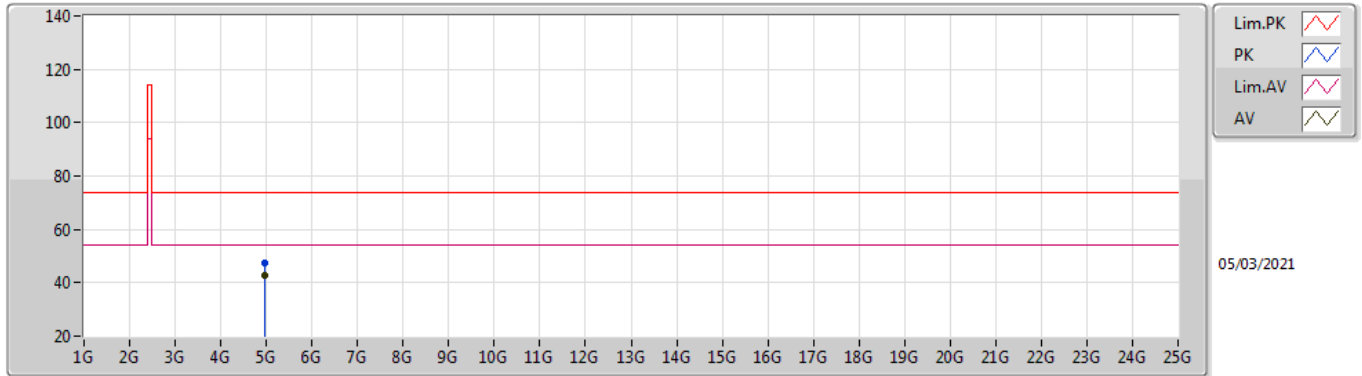
2480MHz_TX



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	2.48G	92.21	94.00	-1.79	31.62	3	Horizontal	234	1.43	-	60.59	27.60	4.02	-
AV	2.4928G	46.86	54.00	-7.14	31.64	3	Horizontal	234	1.43	-	15.22	27.60	4.04	-
PK	2.48G	92.30	114.00	-21.70	31.62	3	Horizontal	234	1.43	-	60.68	27.60	4.02	-
PK	2.4836G	60.39	74.00	-13.61	31.63	3	Horizontal	234	1.43	-	28.76	27.60	4.03	-

SRD(1Mbps)_Nss1_1TX

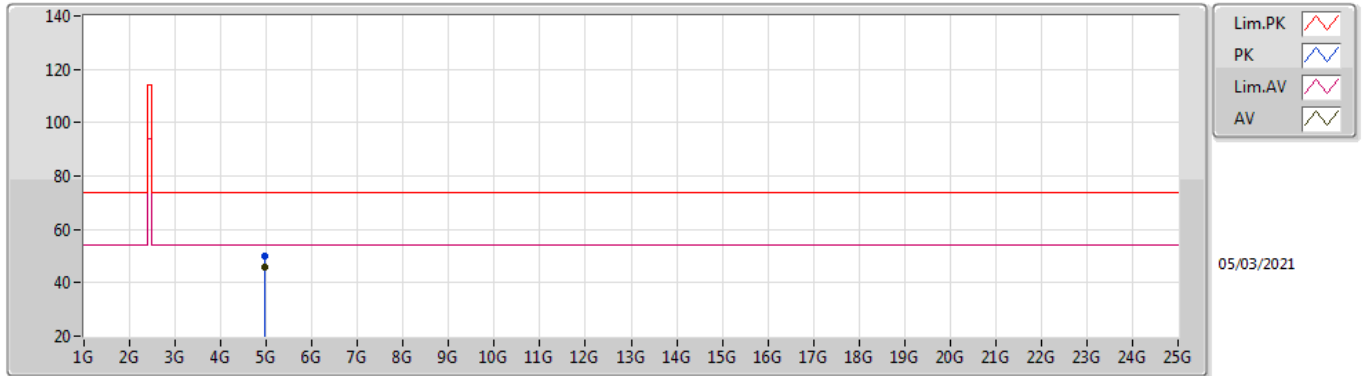
2480MHz_TX



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	4.96G	42.79	54.00	-11.21	1.86	3	Vertical	279	1.07	-	40.93	31.42	5.38	34.94
PK	4.95992G	47.40	74.00	-26.60	1.86	3	Vertical	279	1.07	-	45.54	31.42	5.38	34.94

SRD(1Mbps)_Nss1_1TX

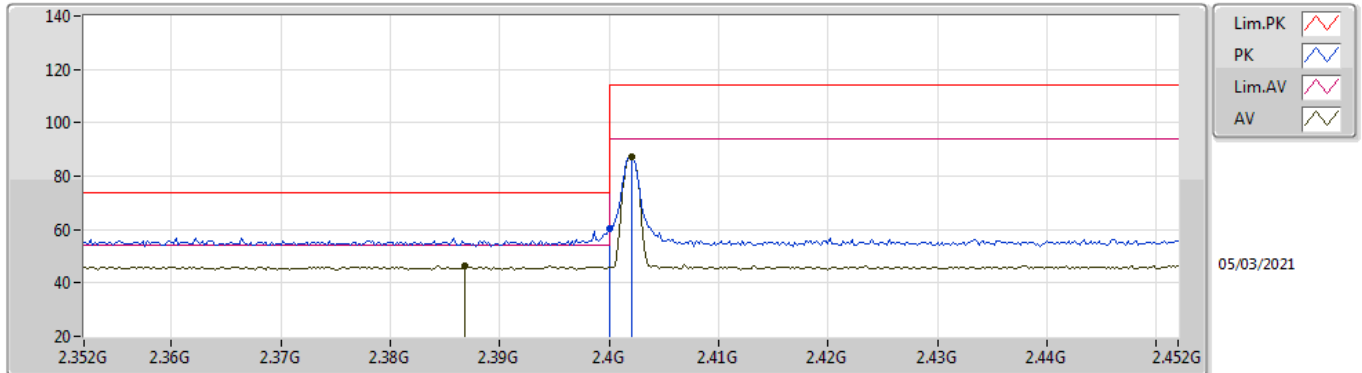
2480MHz_TX



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	4.95993G	45.91	54.00	-8.09	1.86	3	Horizontal	171	2.95	-	44.05	31.42	5.38	34.94
PK	4.96008G	49.91	74.00	-24.09	1.86	3	Horizontal	171	2.95	-	48.05	31.42	5.38	34.94

SRD(2Mbps)_Nss1_1TX

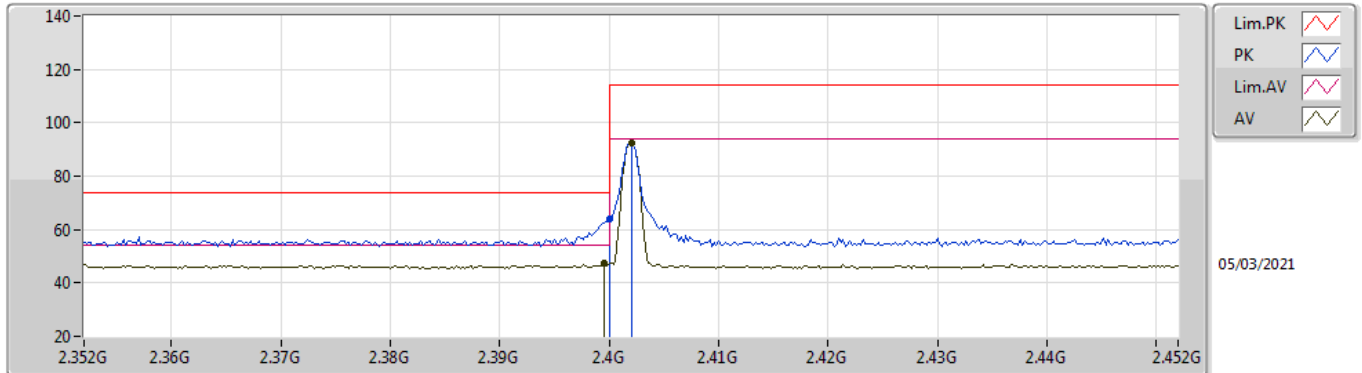
2402MHz_TX



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	2.3868G	46.62	54.00	-7.38	31.53	3	Vertical	123	1.16	-	15.09	27.65	3.88	-
AV	2.402G	87.04	94.00	-6.96	31.50	3	Vertical	123	1.16	-	55.54	27.60	3.90	-
PK	2.4G	60.09	74.00	-13.91	31.50	3	Vertical	123	1.16	-	28.59	27.60	3.90	-
PK	2.402G	87.17	114.00	-26.83	31.50	3	Vertical	123	1.16	-	55.67	27.60	3.90	-

SRD(2Mbps)_Nss1_1TX

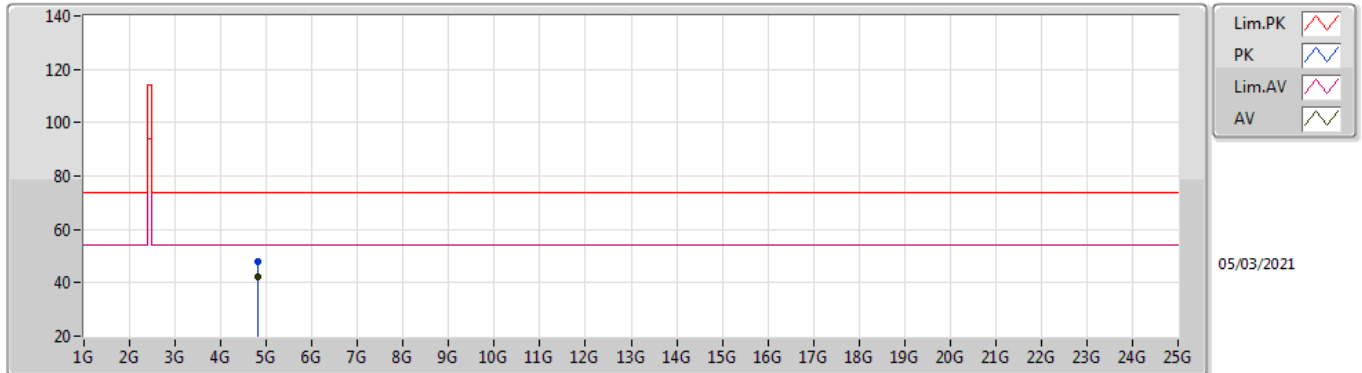
2402MHz_TX



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	2.3996G	47.36	54.00	-6.64	31.50	3	Horizontal	239	1.03	-	15.86	27.60	3.90	-
AV	2.402G	92.24	94.00	-1.76	31.50	3	Horizontal	239	1.03	-	60.74	27.60	3.90	-
PK	2.4G	63.96	74.00	-10.04	31.50	3	Horizontal	239	1.03	-	32.46	27.60	3.90	-
PK	2.402G	92.31	114.00	-21.69	31.50	3	Horizontal	239	1.03	-	60.81	27.60	3.90	-

SRD(2Mbps)_Nss1_1TX

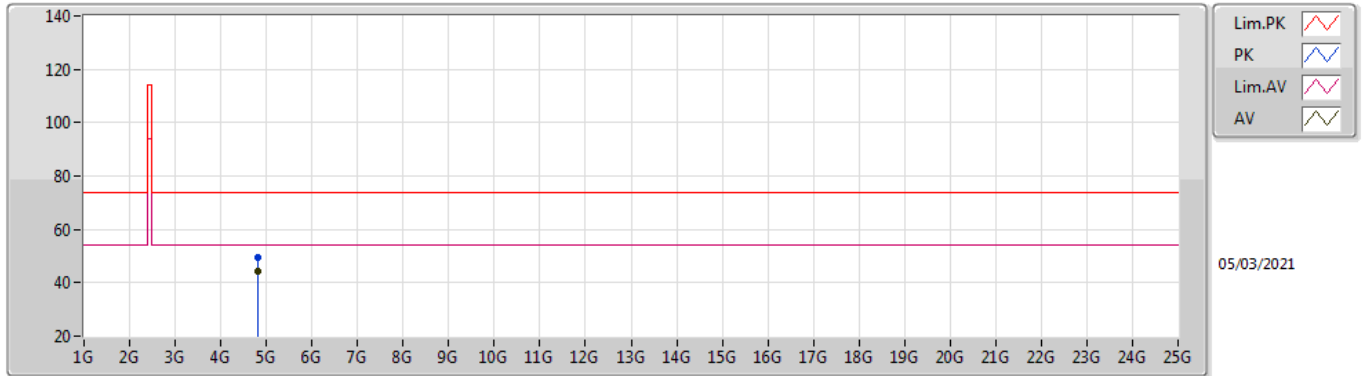
2402MHz_TX



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	4.80399G	42.14	54.00	-11.86	1.49	3	Vertical	283	1.17	-	40.65	31.12	5.30	34.93
PK	4.80388G	47.96	74.00	-26.04	1.49	3	Vertical	283	1.17	-	46.47	31.12	5.30	34.93

SRD(2Mbps)_Nss1_1TX

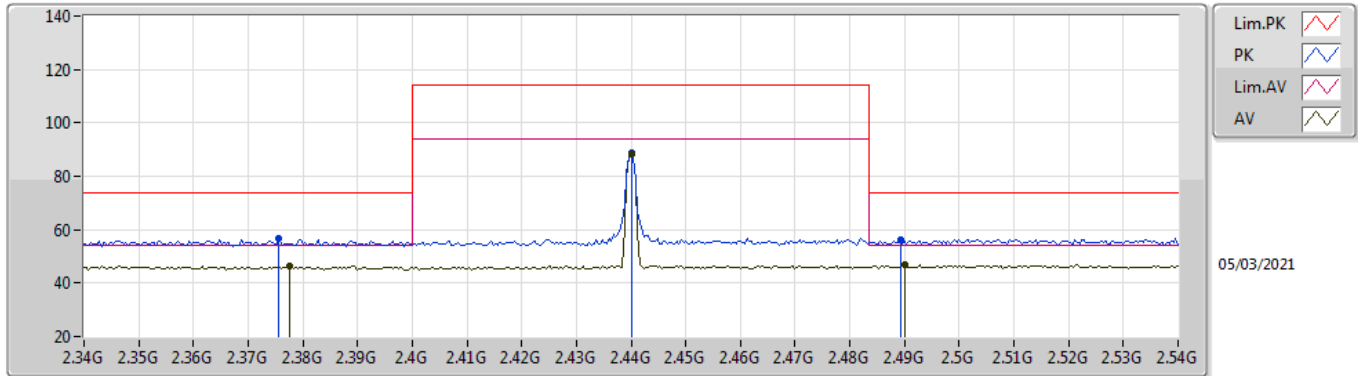
2402MHz_TX



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	4.80395G	44.41	54.00	-9.59	1.49	3	Horizontal	169	1.00	-	42.92	31.12	5.30	34.93
PK	4.8038G	49.31	74.00	-24.69	1.49	3	Horizontal	169	1.00	-	47.82	31.12	5.30	34.93

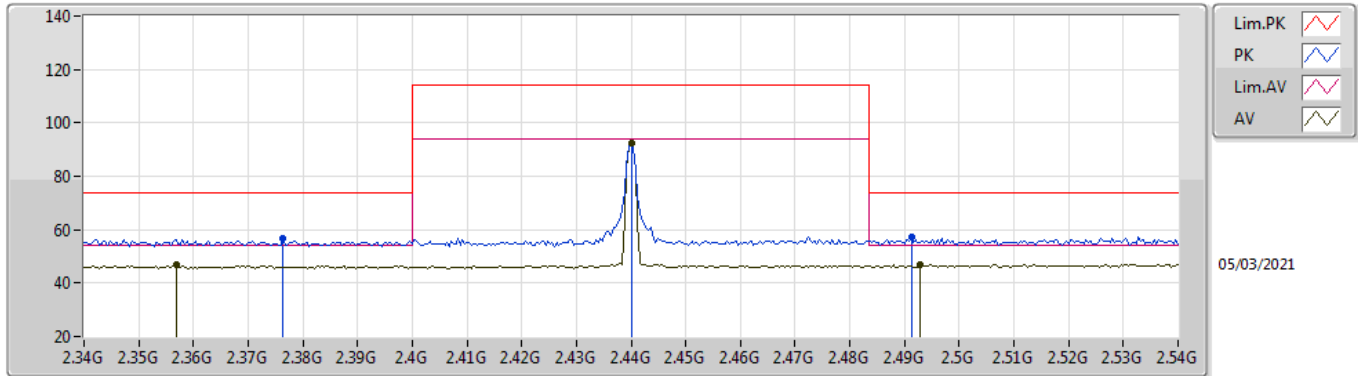
SRD(2Mbps)_Nss1_1TX

2440MHz_TX



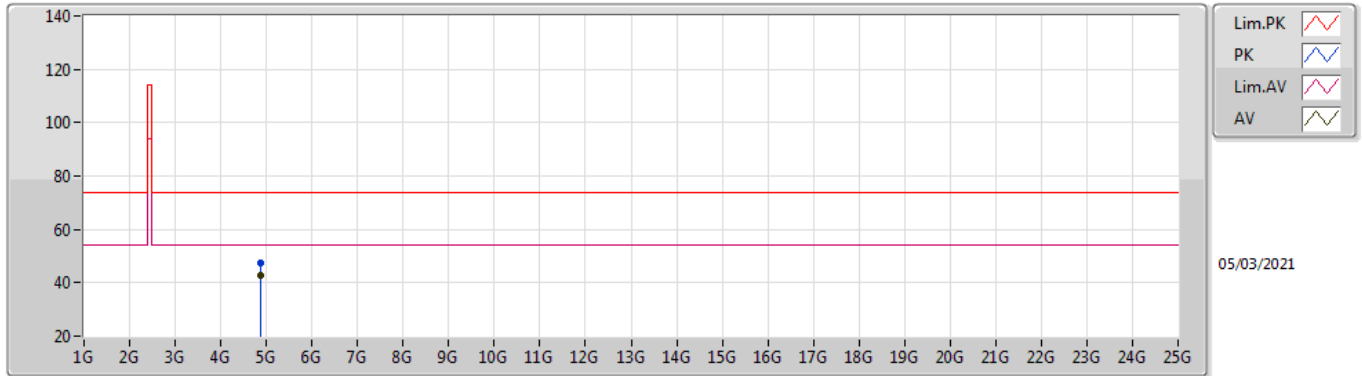
SRD(2Mbps)_Nss1_1TX

2440MHz_TX



SRD(2Mbps)_Nss1_1TX

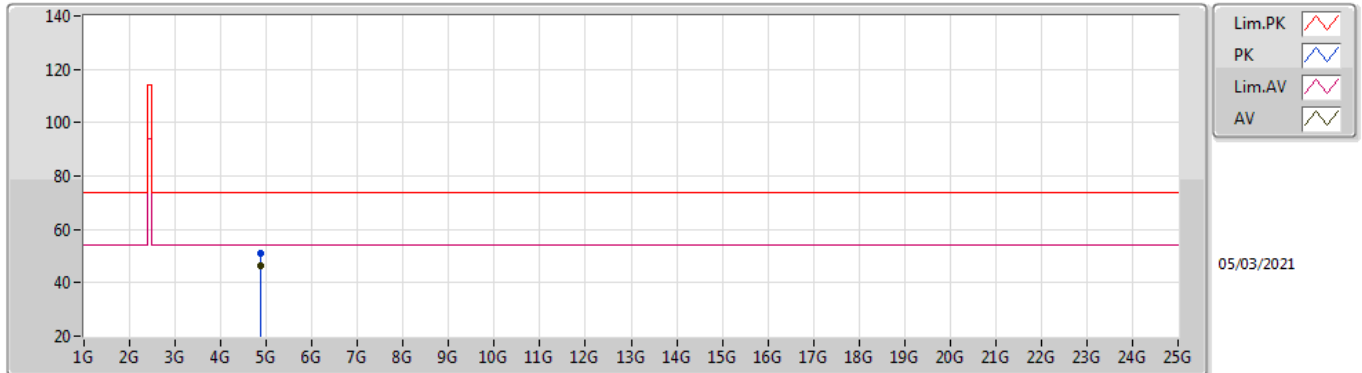
2440MHz_TX



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	4.87998G	42.71	54.00	-11.29	1.65	3	Vertical	282	1.01	-	41.06	31.24	5.34	34.93
PK	4.8799G	47.56	74.00	-26.44	1.65	3	Vertical	282	1.01	-	45.91	31.24	5.34	34.93

SRD(2Mbps)_Nss1_1TX

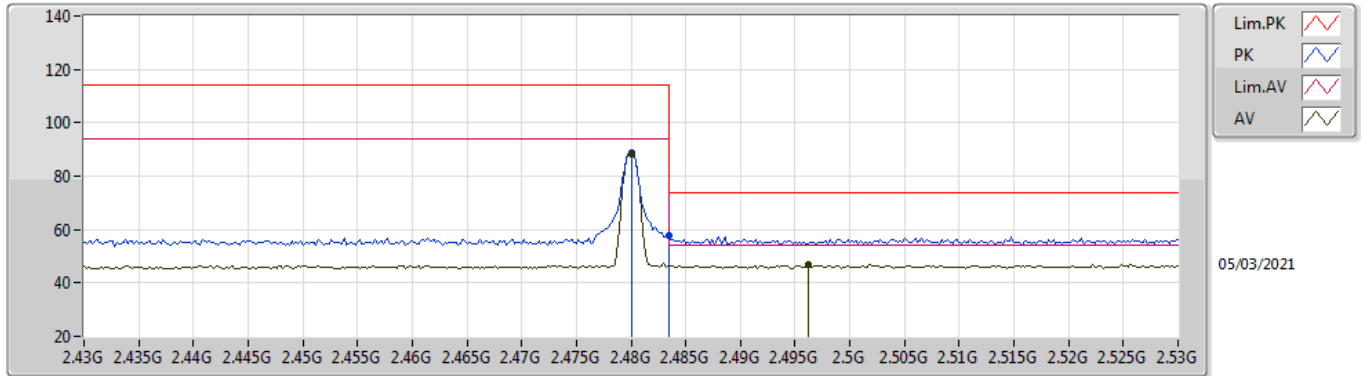
2440MHz_TX



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	4.8799G	46.31	54.00	-7.69	1.65	3	Horizontal	168	1.00	-	44.66	31.24	5.34	34.93
PK	4.87993G	50.94	74.00	-23.06	1.65	3	Horizontal	168	1.00	-	49.29	31.24	5.34	34.93

SRD(2Mbps)_Nss1_1TX

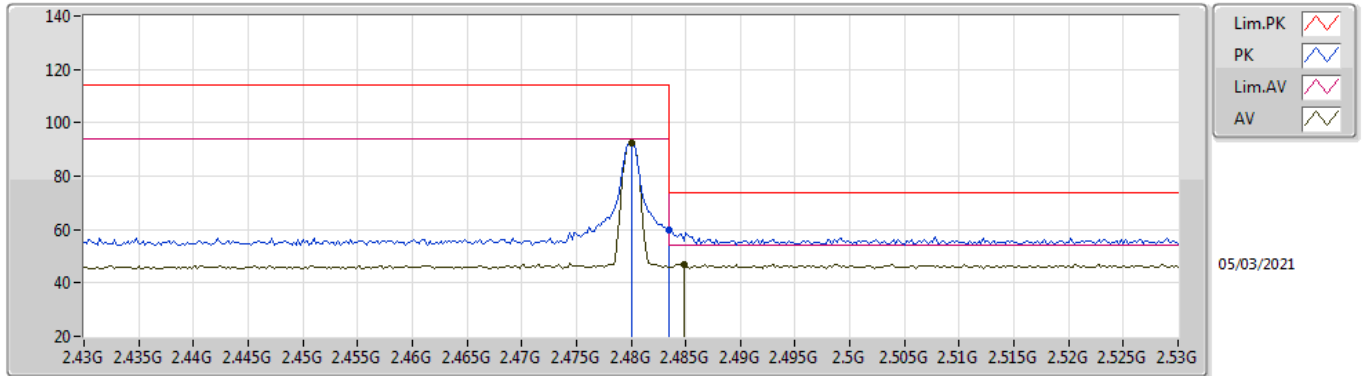
2480MHz_TX



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	2.48G	88.52	94.00	-5.48	31.62	3	Vertical	143	1.00	-	56.90	27.60	4.02	-
AV	2.4962G	46.91	54.00	-7.09	31.64	3	Vertical	143	1.00	-	15.27	27.60	4.04	-
PK	2.48G	88.67	114.00	-25.33	31.62	3	Vertical	143	1.00	-	57.05	27.60	4.02	-
PK	2.4835G	57.95	74.00	-16.05	31.63	3	Vertical	143	1.00	-	26.32	27.60	4.03	-

SRD(2Mbps)_Nss1_1TX

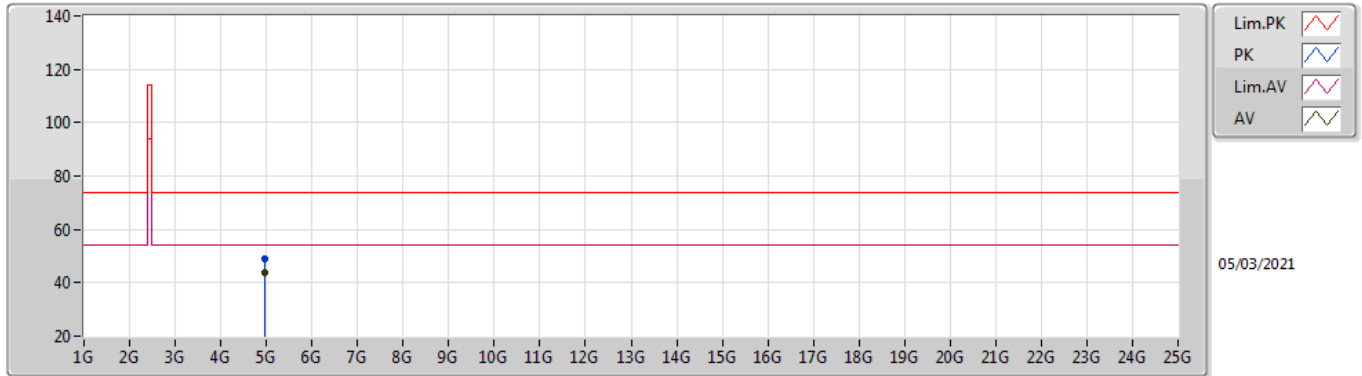
2480MHz_TX



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	2.48G	92.57	94.00	-1.43	31.62	3	Horizontal	236	1.04	-	60.95	27.60	4.02	-
AV	2.4848G	47.05	54.00	-6.95	31.63	3	Horizontal	236	1.04	-	15.42	27.60	4.03	-
PK	2.48G	92.65	114.00	-21.35	31.62	3	Horizontal	236	1.04	-	61.03	27.60	4.02	-
PK	2.4835G	60.00	74.00	-14.00	31.63	3	Horizontal	236	1.04	-	28.37	27.60	4.03	-

SRD(2Mbps)_Nss1_1TX

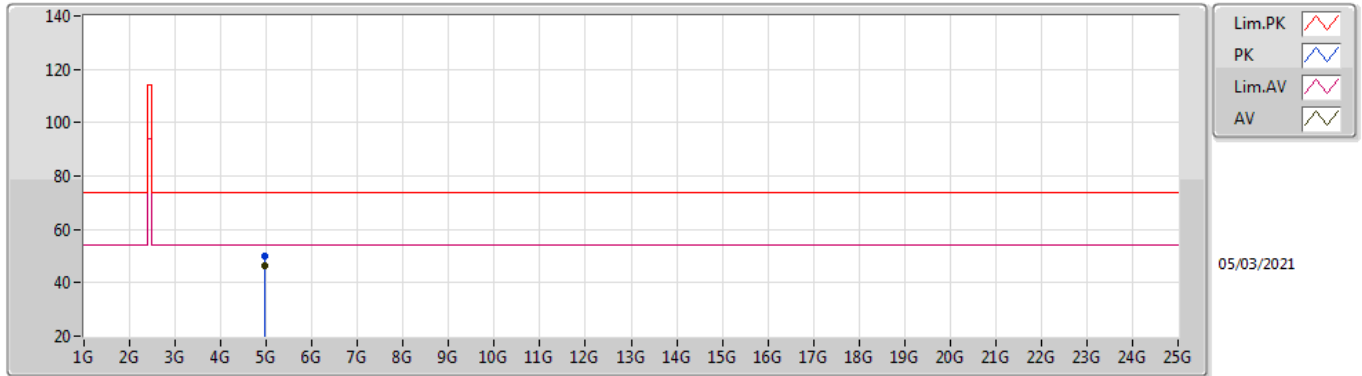
2480MHz_TX



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	4.95997G	43.94	54.00	-10.06	1.86	3	Vertical	279	1.07	-	42.08	31.42	5.38	34.94
PK	4.95992G	48.89	74.00	-25.11	1.86	3	Vertical	279	1.07	-	47.03	31.42	5.38	34.94

SRD(2Mbps)_Nss1_1TX

2480MHz_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	4.95991G	46.47	54.00	-7.53	1.86	3	Horizontal	172	2.96	-	44.61	31.42	5.38	34.94
PK	4.95996G	50.18	74.00	-23.82	1.86	3	Horizontal	172	2.96	-	48.32	31.42	5.38	34.94