

FCC Test Report

FCC ID : 2APYS-LPS05WBI
Equipment : Wireless Charger
Brand Name : Sonos
Model Name : LPS-05WB-I
Applicant : Lanto Electronic Ltd
No.399 baisheng Road, jinxi Town, Kunshan City,
Jiangsu, 215324, China
Manufacturer : Lanto Electronic Ltd
No.399 baisheng Road, jinxi Town, Kunshan City,
Jiangsu, 215324, China
Standard : 47 CFR FCC Part 15.247

The product was received on Nov. 06, 2020, and testing was started from Nov. 09, 2020 and completed on Nov. 12, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

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TEL : 886-3-3273456
FAX : 886-3-3270973
Report Template No.: HE1-C10 Ver3.9
FCC ID: 2APYS-LPS05WBI

Summary of Test Result

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

Declaration of Conformity:

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

Comments and explanations:

None

Reviewed by: Sam Tsai

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	Bluetooth Mode	Ch. Frequency (MHz)	Channel Number
2400-2483.5	LE	2402-2480	0-39 [40]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	BT-LE(1Mbps)	1.0	1TX
2.4-2.4835GHz	BT-LE(2Mbps)	2.0	1TX

Note:

- ♦ Bluetooth LE uses a GFSK (1Mbps/2Mbps) modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	LUXSHARE	BT-S11	PCB Antenna	NA	0.5

For Bluetooth function:

For Bluetooth mode (1TX/1RX)

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

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter		
EUT Function	☒ Point-to-multipoint	☐ Point-to-point	
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
BT-LE(1Mbps)	0.707	1.51	441.875u	3k
BT-LE(2Mbps)	0.617	2.1	257.5u	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
- ◆ ANSI C63.10-2013

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

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

1.3 Testing Location Information

Testing Location			
☒	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	
		TEL : 886-3-327-3456	FAX : 886-3-327-0973
Test site Designation No. TW1190 with FCC.			
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)	
		TEL : 886-3-656-9065	FAX : 886-3-656-9085
Test site Designation No. TW0006 with FCC.			
☐	Wen Shan	ADD : No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)	
		TEL : 886-3-318-0787	FAX : 886-3-318-0287
Test site Designation No. TW1097 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CON04-HY	Daniel Lin	21.5~23.5°C / 56~62%	11/Nov/2020
RF Conducted	TH06-HY	Alan Chien	20.1~26.9°C / 50~60%	09/Nov/2020~ 12/Nov/2020
Radiated	03CH03-HY	Edward Wang	24.1~24.6°C / 50~55%	10/Nov/2020

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	120V

2.2 Test Channel Mode

Test Software Version	MxdBleTool_265x_1.19.05.07
-----------------------	----------------------------

Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	default
2440MHz	default
2480MHz	default
BT-LE(2Mbps)	-
2402MHz	default
2440MHz	default
2480MHz	default

2.3 The Worst Case Measurement Configuration

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
1	Adapter Mode
Operating Mode > 1GHz	CTX
Orthogonal Planes of EUT	Z Plane
	

2.4 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC adapter	Sonos	CPS012050210U	-	-

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

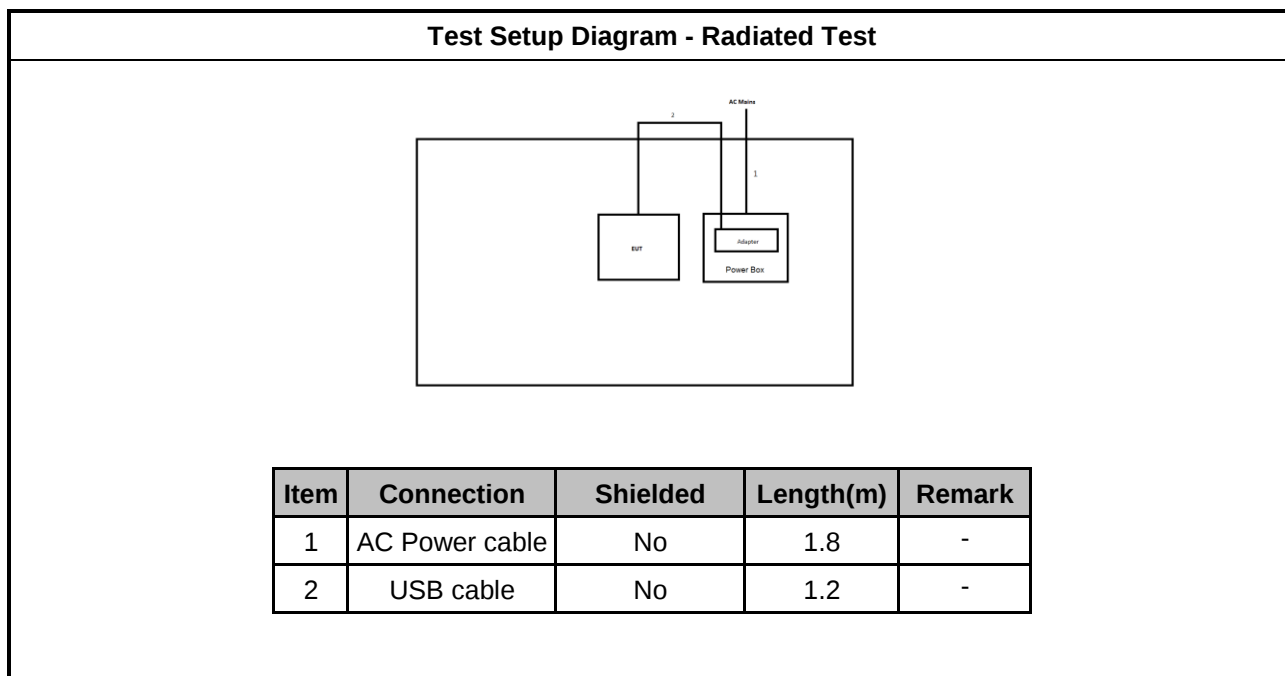
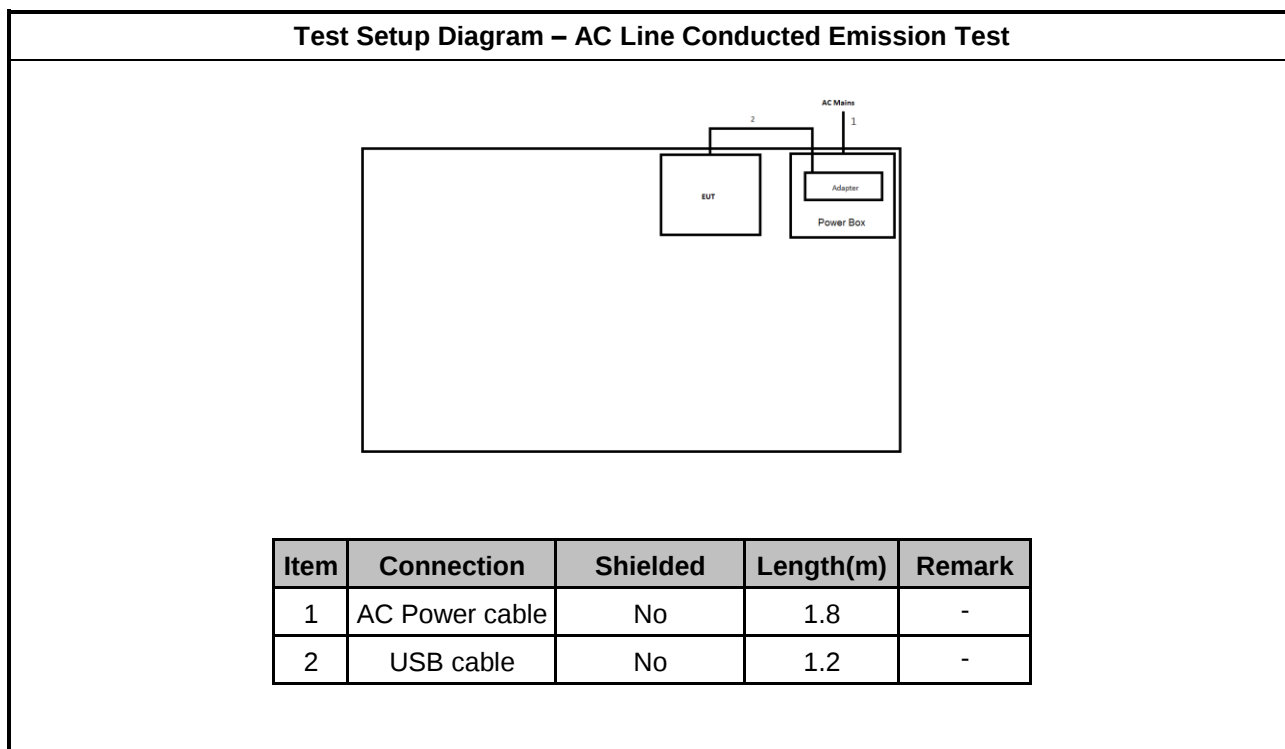
Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Fixture	-	-	-	-
2	AC adapter	Sonos	CPS012050210U	-	-

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

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC adapter	Sonos	CPS012050210U	-	-

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

2.5 Test Setup Diagram



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

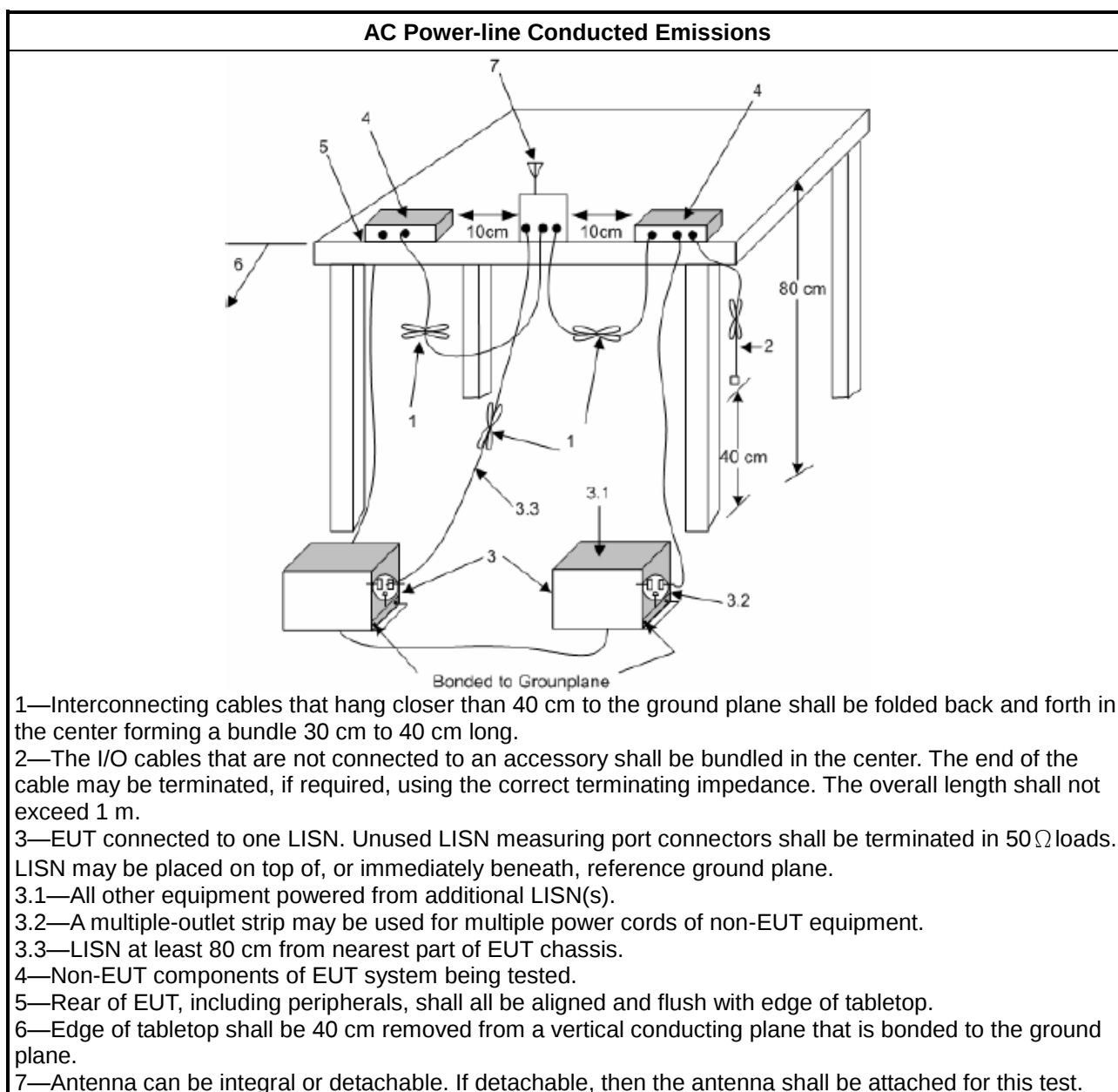
Test Method
▪ Refer as ANSI C63.10-2013, clause 6.2 foray power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

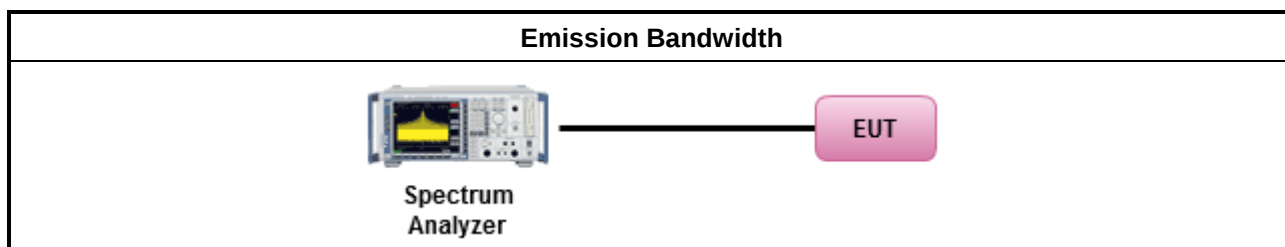
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

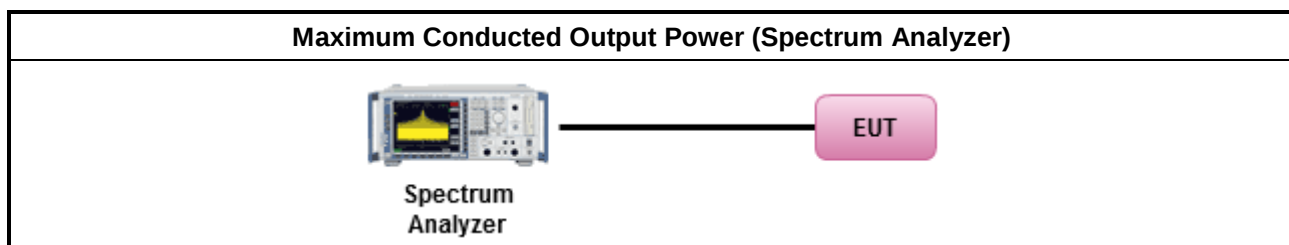
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

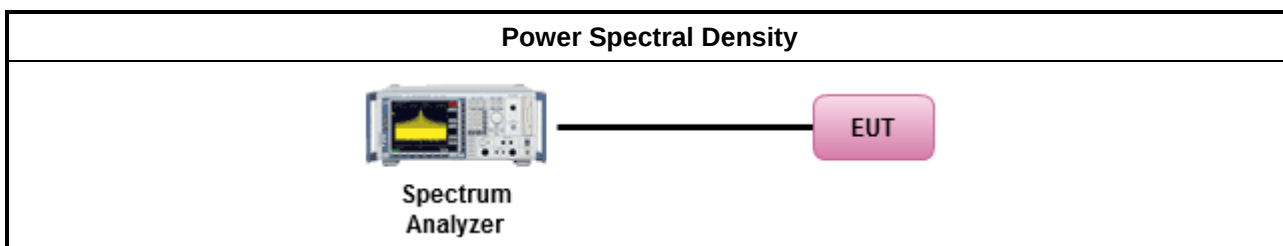
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average level.	

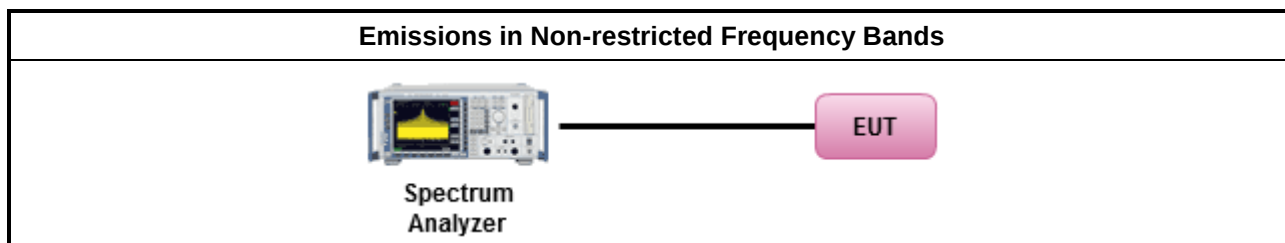
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
Refer as KDB 558074, clause 8.5 (11.11 of ANSI C63.10) for non-restricted frequency bands.

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB / decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

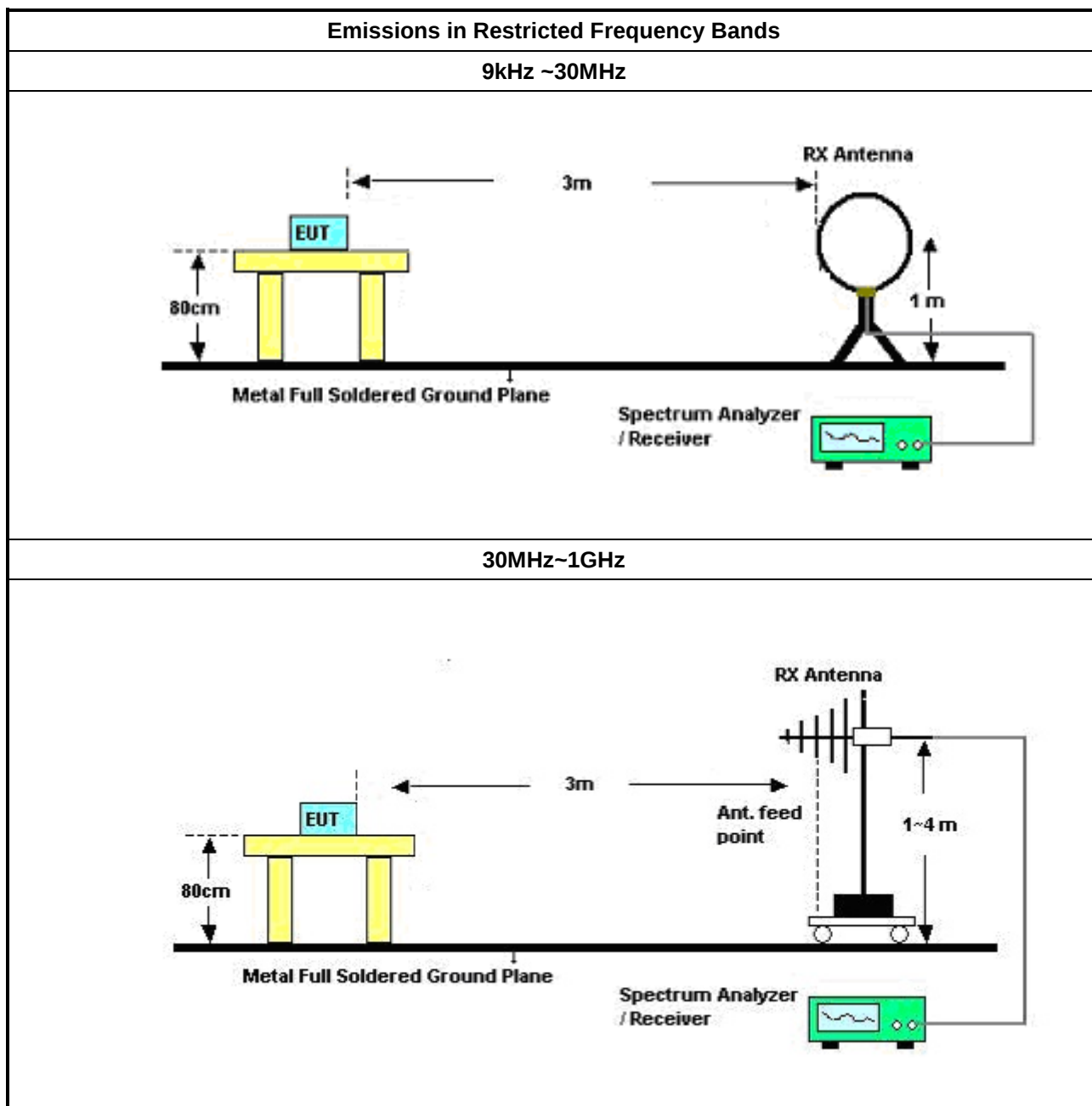
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
For the transmitter band-edge emissions shall be measured using following options below:	
	Refer as KDB 558074 clause 8.7.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
Use the following spectrum analyzer settings:	
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

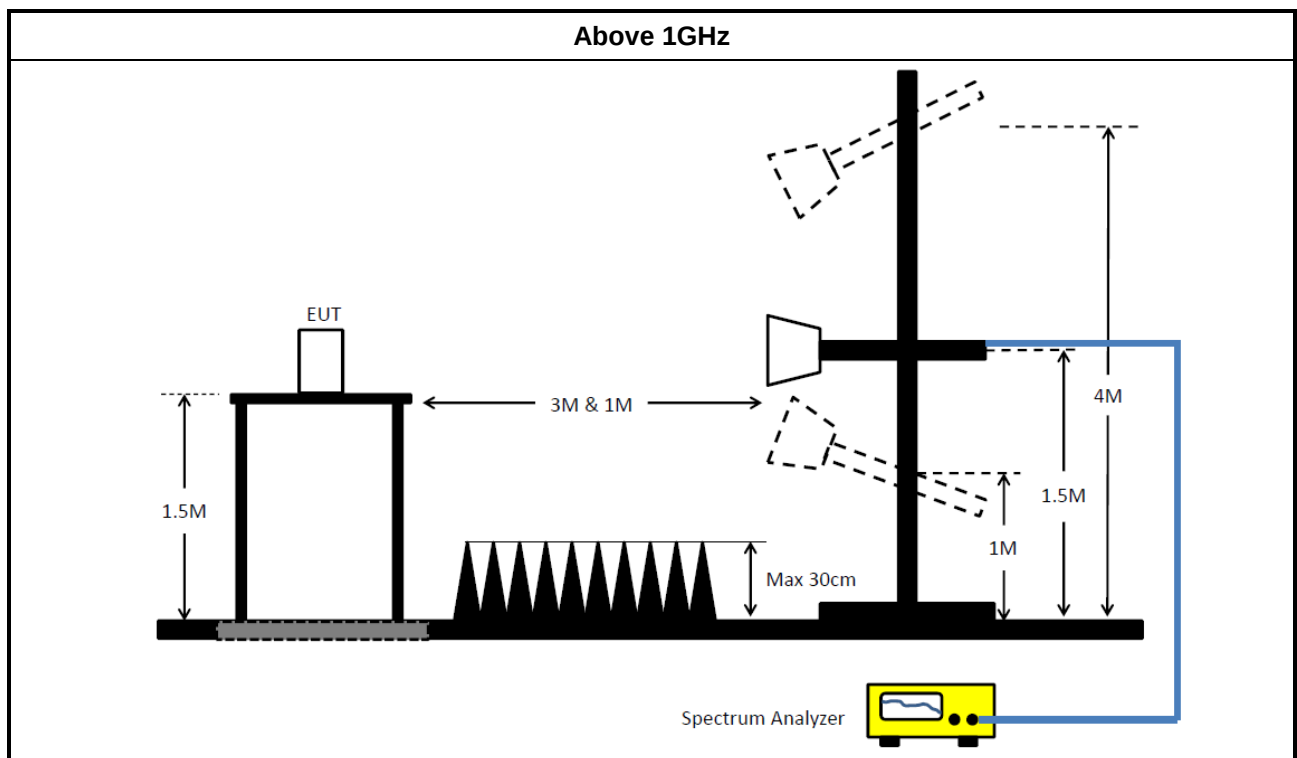
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.5 Test Setup





3.6.6 Test Result of Emissions in Restricted Frequency Bands (Below 30MHz)

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	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	100003	9kHz ~ 30MHz	23/Sep/2020	22/Sep/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 Conducted Test

Instrument	Manufacturer	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/2022
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

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	06/Aug/2020	05/Aug/2021
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	04/Aug/2020	03/Aug/2021
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	19/Aug/2020	18/Aug/2021
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	14/Apr/2020	13/Apr/2021
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270196	1GHz~26.5GHz	06/Oct/2020	05/Oct/2021
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	25/Oct/2020	24/Oct/2021
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	26/Mar/2020	25/Mar/2021
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	19/Jun/2020	18/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB021	30MHz~1GHz	18/Mar/2020	17/Mar/2021
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	SN MY38596/4+S N 804300/4	1GHz~40GHz	04/Aug/2020	03/Aug/2021
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	13/Mar/2020	12/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



Conducted Emissions at Powerline

Appendix A

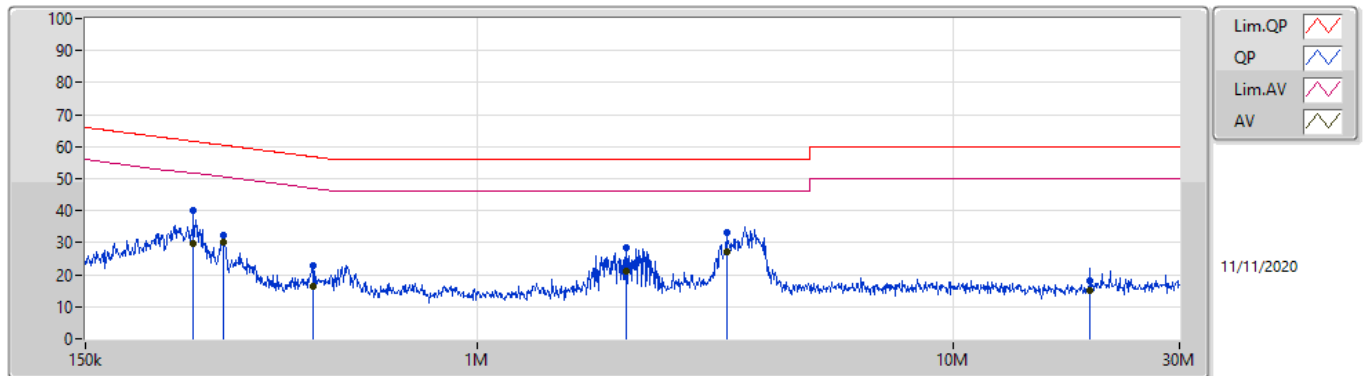
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	3.73M	29.28	46.00	-16.72	Neutral

Mode Configure

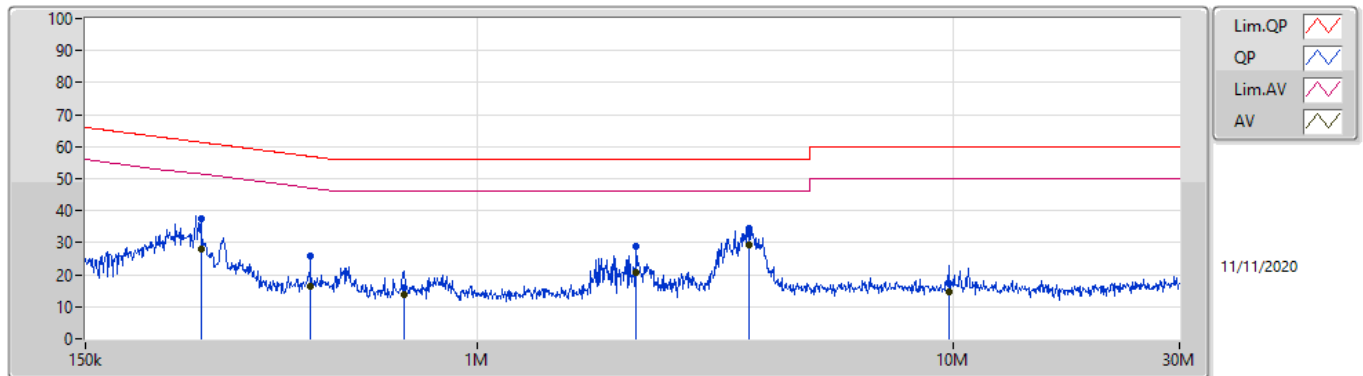
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	253.051k	40.07	61.66	-21.59	Line	-
Mode 1	Pass	AV	253.051k	29.69	51.66	-21.97	Line	-
Mode 1	Pass	QP	292.16k	32.13	60.46	-28.33	Line	-
Mode 1	Pass	AV	292.16k	30.23	50.46	-20.23	Line	-
Mode 1	Pass	QP	451.436k	23.05	56.84	-33.79	Line	-
Mode 1	Pass	AV	451.436k	16.25	46.84	-30.59	Line	-
Mode 1	Pass	QP	2.058M	28.41	56.00	-27.59	Line	-
Mode 1	Pass	AV	2.058M	21.04	46.00	-24.96	Line	-
Mode 1	Pass	QP	3.362M	33.33	56.00	-22.67	Line	-
Mode 1	Pass	AV	3.362M	26.94	46.00	-19.06	Line	"Worst"
Mode 1	Pass	QP	19.475M	17.94	60.00	-42.06	Line	-
Mode 1	Pass	AV	19.475M	14.88	50.00	-35.12	Line	-
Mode 1	Pass	QP	262.308k	37.60	61.35	-23.75	Neutral	-
Mode 1	Pass	AV	262.308k	27.98	51.35	-23.37	Neutral	-
Mode 1	Pass	QP	446.062k	25.72	56.96	-31.24	Neutral	-
Mode 1	Pass	AV	446.062k	16.51	46.96	-30.45	Neutral	-
Mode 1	Pass	QP	703.134k	16.13	56.00	-39.87	Neutral	-
Mode 1	Pass	AV	703.134k	13.63	46.00	-32.37	Neutral	-
Mode 1	Pass	QP	2.15M	28.94	56.00	-27.06	Neutral	-
Mode 1	Pass	AV	2.15M	20.77	46.00	-25.23	Neutral	-
Mode 1	Pass	QP	3.73M	34.57	56.00	-21.43	Neutral	-
Mode 1	Pass	AV	3.73M	29.28	46.00	-16.72	Neutral	"Worst"
Mode 1	Pass	QP	9.801M	17.16	60.00	-42.84	Neutral	-
Mode 1	Pass	AV	9.801M	14.83	50.00	-35.17	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	253.051k	40.07	61.66	-21.59	19.51	Line	-	20.56	9.60	0.01	9.90			
AV	253.051k	29.69	51.66	-21.97	19.51	Line	-	10.18	9.60	0.01	9.90			
QP	292.16k	32.13	60.46	-28.33	19.52	Line	-	12.61	9.60	0.02	9.90			
AV	292.16k	30.23	50.46	-20.23	19.52	Line	-	10.71	9.60	0.02	9.90			
QP	451.436k	23.05	56.84	-33.79	19.51	Line	-	3.54	9.60	0.02	9.89			
AV	451.436k	16.25	46.84	-30.59	19.51	Line	-	-3.26	9.60	0.02	9.89			
QP	2.058M	28.41	56.00	-27.59	19.49	Line	-	8.92	9.61	0.08	9.80			
AV	2.058M	21.04	46.00	-24.96	19.49	Line	-	1.55	9.61	0.08	9.80			
QP	3.362M	33.33	56.00	-22.67	19.62	Line	-	13.71	9.63	0.11	9.88			
AV	3.362M	26.94	46.00	-19.06	19.62	Line	"Worst"	7.32	9.63	0.11	9.88			
QP	19.475M	17.94	60.00	-42.06	19.90	Line	-	-1.96	9.71	0.29	9.90			
AV	19.475M	14.88	50.00	-35.12	19.90	Line	-	-5.02	9.71	0.29	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	262.308k	37.60	61.35	-23.75	19.51	Neutral	-	18.09	9.60	0.01	9.90			
AV	262.308k	27.98	51.35	-23.37	19.51	Neutral	-	8.47	9.60	0.01	9.90			
QP	446.062k	25.72	56.96	-31.24	19.51	Neutral	-	6.21	9.60	0.02	9.89			
AV	446.062k	16.51	46.96	-30.45	19.51	Neutral	-	-3.00	9.60	0.02	9.89			
QP	703.134k	16.13	56.00	-39.87	19.49	Neutral	-	-3.36	9.61	0.04	9.84			
AV	703.134k	13.63	46.00	-32.37	19.49	Neutral	-	-5.86	9.61	0.04	9.84			
QP	2.15M	28.94	56.00	-27.06	19.51	Neutral	-	9.43	9.62	0.08	9.81			
AV	2.15M	20.77	46.00	-25.23	19.51	Neutral	-	1.26	9.62	0.08	9.81			
QP	3.73M	34.57	56.00	-21.43	19.65	Neutral	-	14.92	9.64	0.12	9.89			
AV	3.73M	29.28	46.00	-16.72	19.65	Neutral	"Worst"	9.63	9.64	0.12	9.89			
QP	9.801M	17.16	60.00	-42.84	19.87	Neutral	-	-2.71	9.76	0.21	9.90			
AV	9.801M	14.83	50.00	-35.17	19.87	Neutral	-	-5.04	9.76	0.21	9.90			

**Summary**

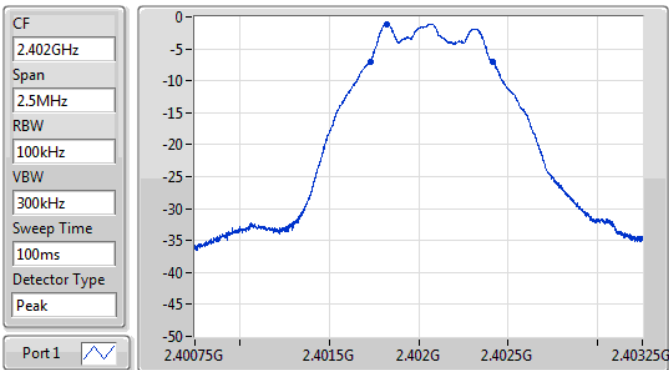
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-LE(1Mbps)	687.5k	1.02M	1M02F1D	681.25k	1.013M
BT-LE(2Mbps)	1.175M	2.627M	2M63F1D	1.17M	2.517M

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)
BT-LE(1Mbps)	-	-	-	-
2402MHz_DTS	Pass	500k	681.25k	1.02M
2440MHz_DTS	Pass	500k	687.5k	1.016M
2480MHz_DTS	Pass	500k	682.5k	1.013M
BT-LE(2Mbps)	-	-	-	-
2402MHz_DTS	Pass	500k	1.175M	2.517M
2440MHz_DTS	Pass	500k	1.17M	2.569M
2480MHz_DTS	Pass	500k	1.17M	2.627M

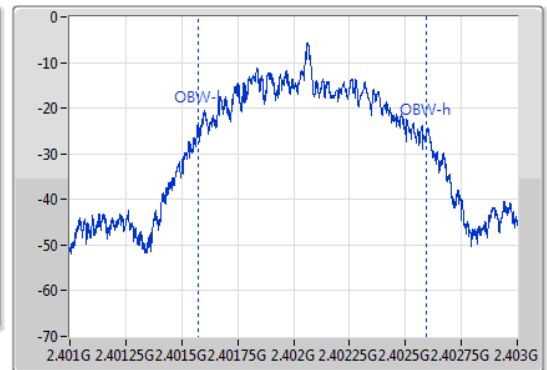
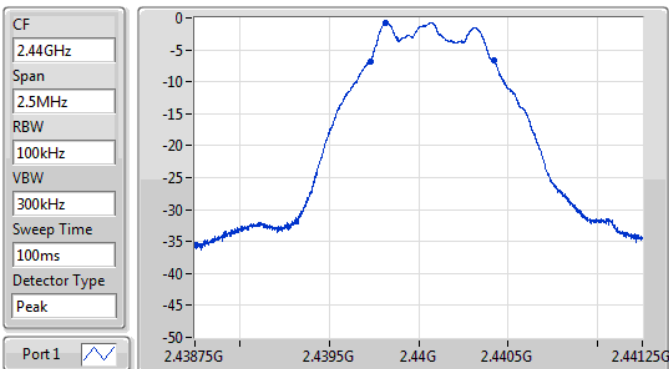
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

BT-LE(1Mbps)
2402MHz


6dB(Hz)	FI-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
681.25k	2.40173G	2.402411G	1.02M	2.401572G	2.402593G	500k	1

EBW-DTS

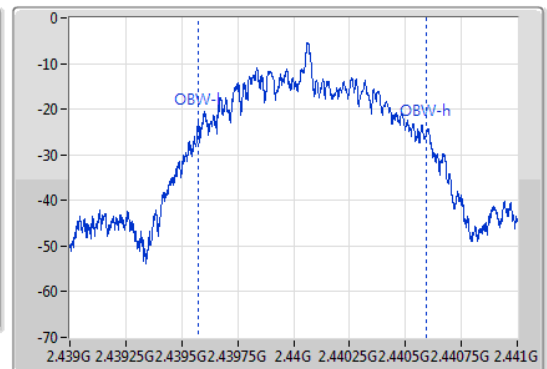
09/11/2020

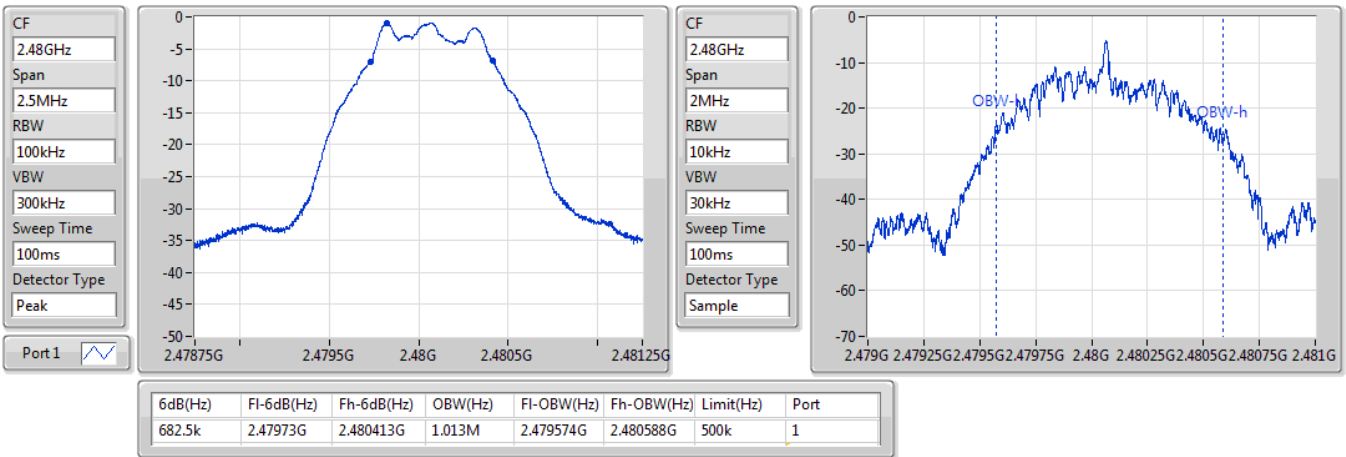
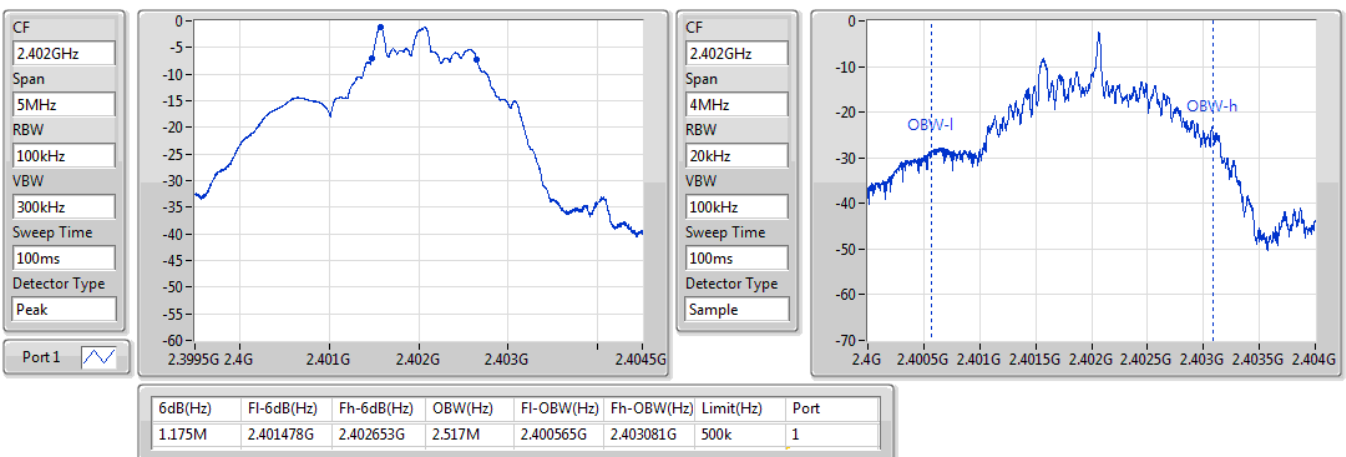

BT-LE(1Mbps)
2440MHz


6dB(Hz)	FI-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
687.5k	2.439731G	2.440419G	1.016M	2.439574G	2.440591G	500k	1

EBW-DTS

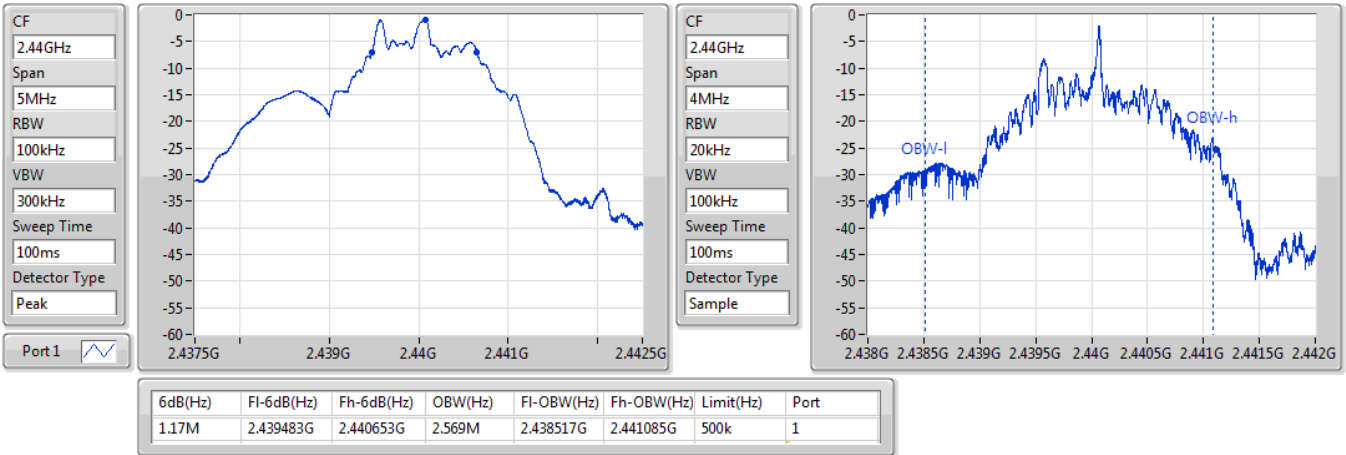
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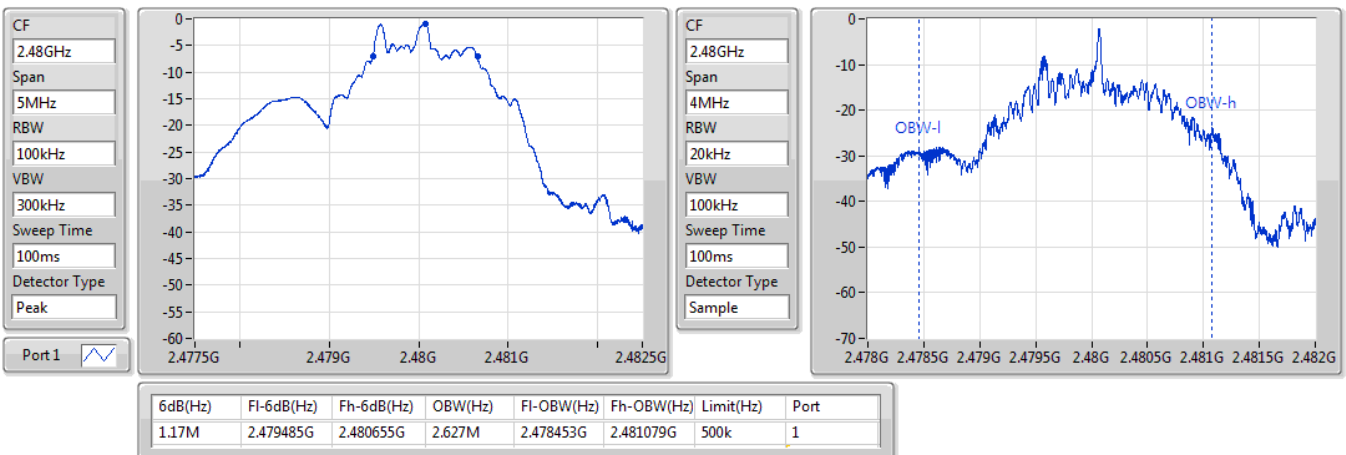
BT-LE(1Mbps)
2480MHz

BT-LE(2Mbps)
2402MHz


BT-LE(2Mbps)
EBW-DTS
2440MHz

09/11/2020


BT-LE(2Mbps)
EBW-DTS
2480MHz

09/11/2020





Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-LF(1Mbps)	-0.18	0.00096
BT-LF(2Mbps)	-0.10	0.00098



Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz_DTS	Pass	0.50	-0.36	30.00
2440MHz_DTS	Pass	0.50	-0.18	30.00
2480MHz_DTS	Pass	0.50	-0.19	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz_DTS	Pass	0.50	-0.34	30.00
2440MHz_DTS	Pass	0.50	-0.20	30.00
2480MHz_DTS	Pass	0.50	-0.10	30.00

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



Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	-1.02	0.00079
BT-LE(2Mbps)	-1.08	0.00078



Average Power-DTS

Appendix C.2

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz_DTS	Pass	0.50	-1.42	30.00
2440MHz_DTS	Pass	0.50	-1.23	30.00
2480MHz_DTS	Pass	0.50	-1.02	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz_DTS	Pass	0.50	-1.28	30.00
2440MHz_DTS	Pass	0.50	-1.08	30.00
2480MHz_DTS	Pass	0.50	-1.22	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-14.46
BT-LE(2Mbps)	-14.36

RBW = 3kHz;

Result

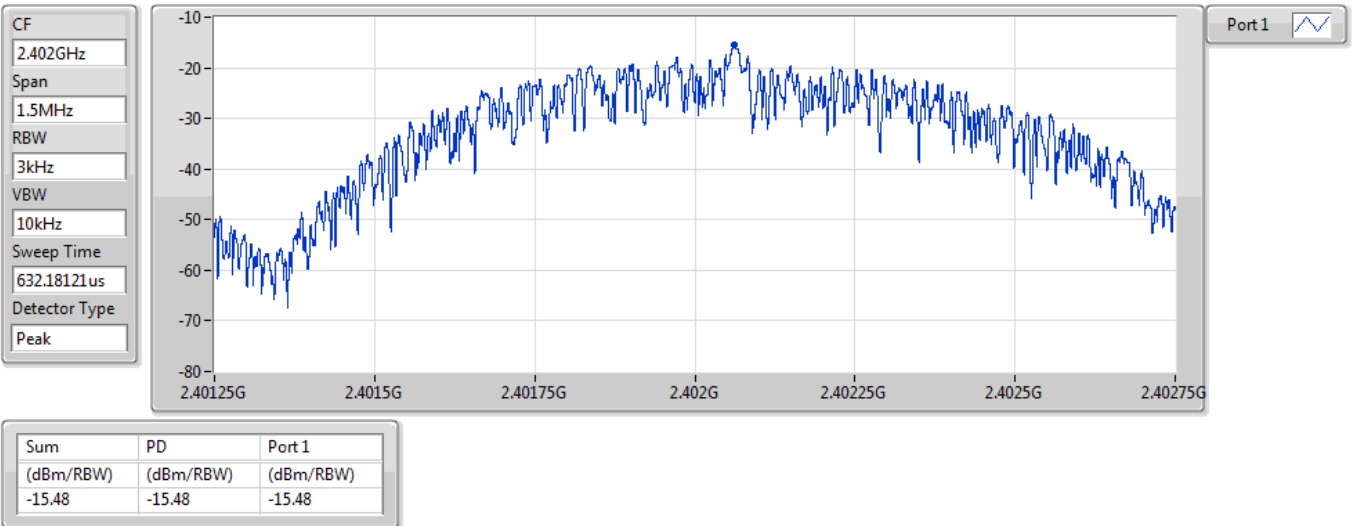
Mode	Result	Gain (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz_DTS	Pass	0.50	-15.48	8.00
2440MHz_DTS	Pass	0.50	-15.43	8.00
2480MHz_DTS	Pass	0.50	-14.46	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz_DTS	Pass	0.50	-15.12	8.00
2440MHz_DTS	Pass	0.50	-14.57	8.00
2480MHz_DTS	Pass	0.50	-14.36	8.00

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

BT-LE(1Mbps)

2402MHz

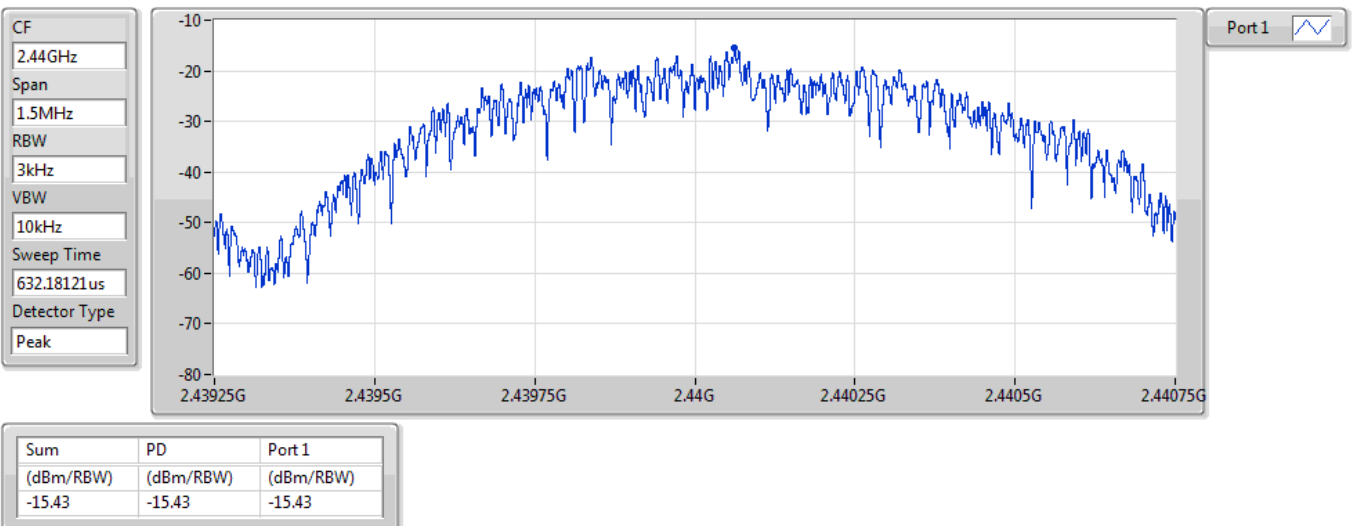
09/11/2020



BT-LE(1Mbps)

2440MHz

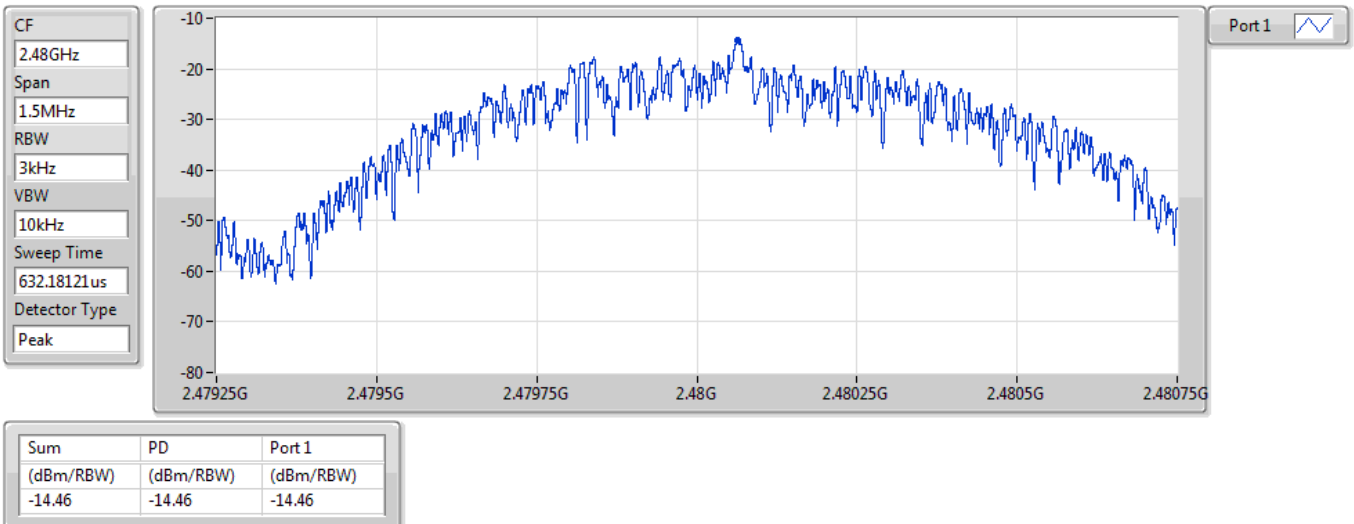
09/11/2020



BT-LE(1Mbps)

2480MHz

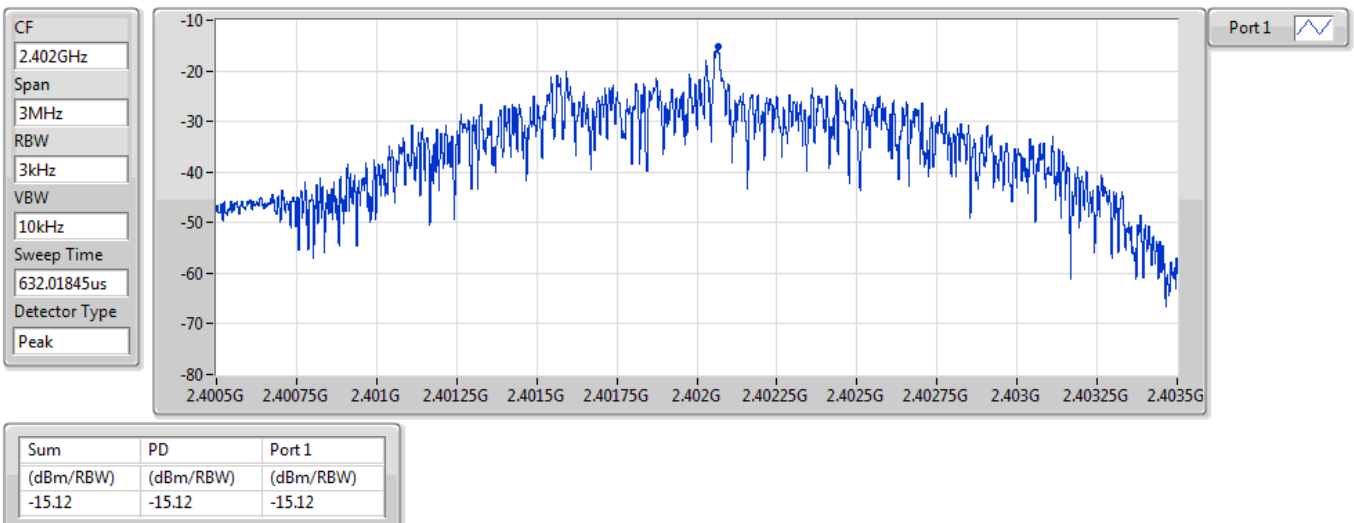
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BT-LE(2Mbps)

2402MHz

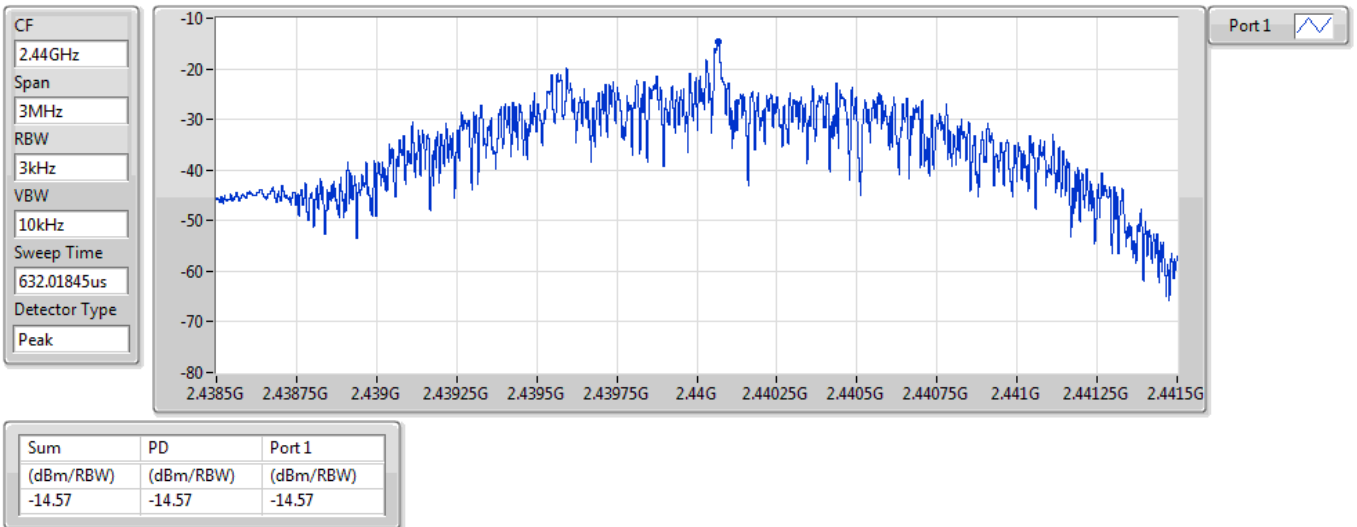
09/11/2020



BT-LE(2Mbps)

2440MHz

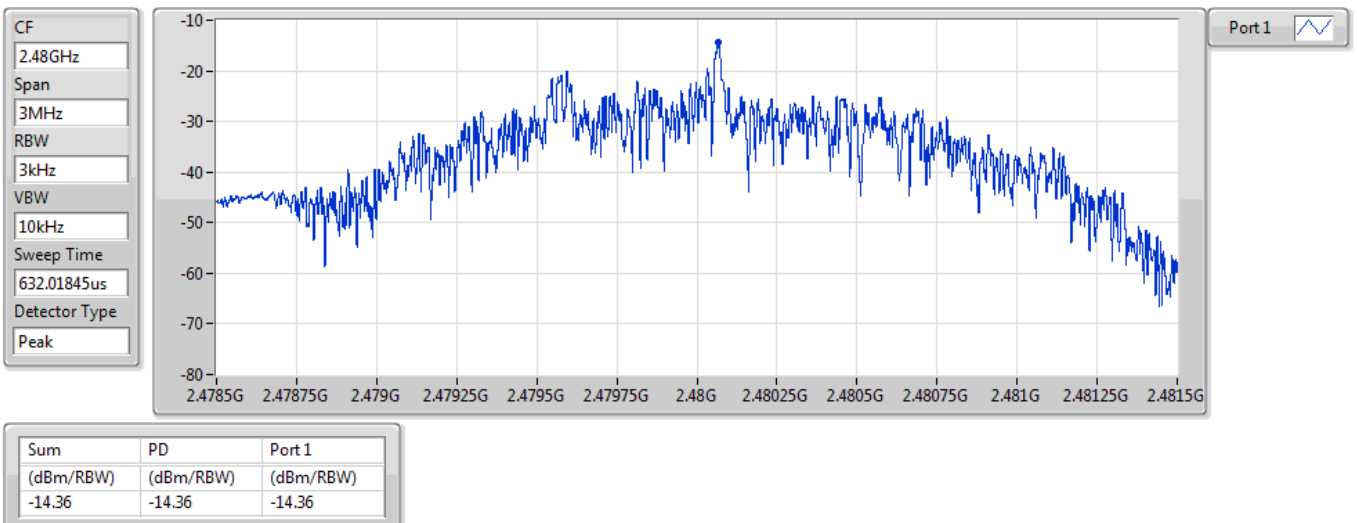
09/11/2020



BT-LE(2Mbps)

2480MHz

09/11/2020



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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.4018G	-1.53	-21.53	2.12914G	-53.16	2.3999G	-40.48	2.4G	-39.72	2.48751G	-51.15	24.88471G	-40.51	1
BT-LE(2Mbps)	Pass	2.40154G	-1.49	-21.49	2.30979G	-53.31	2.4G	-24.02	2.4G	-23.10	2.50202G	-51.40	24.60631G	-40.71	1

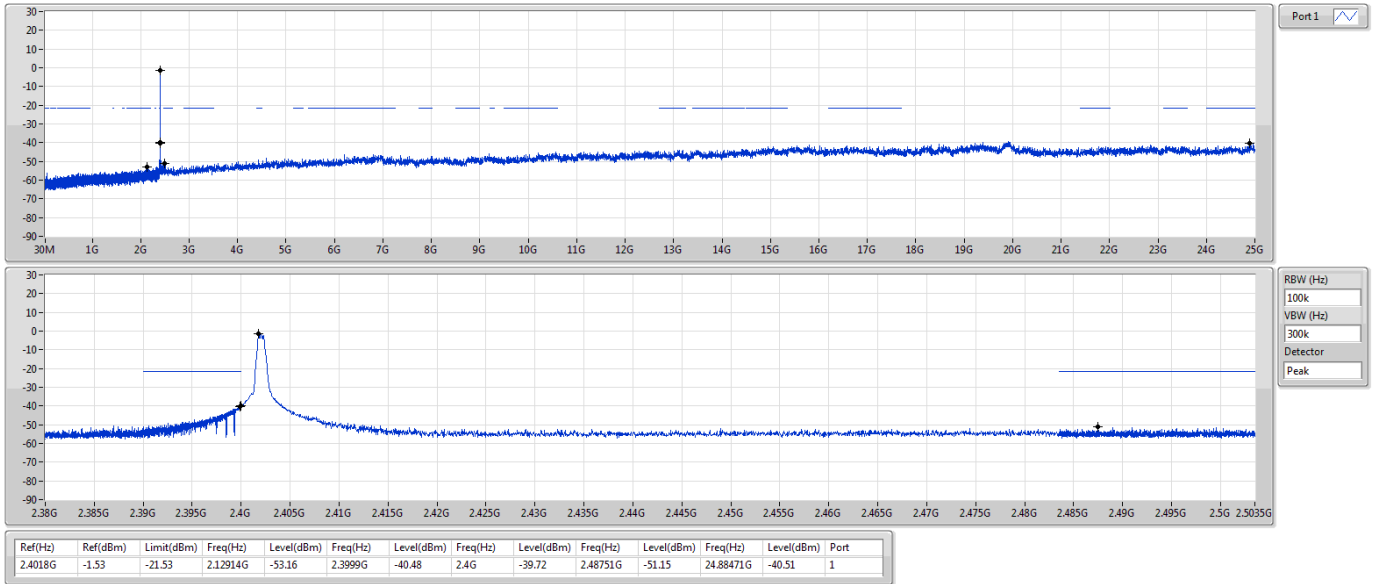
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz_DTS	Pass	2.4018G	-1.53	-21.53	2.12914G	-53.16	2.3999G	-40.48	2.4G	-39.72	2.48751G	-51.15	24.88471G	-40.51	1
2440MHz_DTS	Pass	2.44008G	-1.29	-21.29	2.12943G	-53.33	2.39709G	-52.67	2.4835G	-54.95	2.50088G	-51.29	23.20309G	-40.13	1
2480MHz_DTS	Pass	2.48008G	-1.28	-21.28	2.17056G	-53.62	2.39918G	-52.98	2.4835G	-43.25	2.4836G	-43.58	24.9072G	-40.46	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz_DTS	Pass	2.40154G	-1.49	-21.49	2.30979G	-53.31	2.4G	-24.02	2.4G	-23.10	2.50202G	-51.40	24.60631G	-40.71	1
2440MHz_DTS	Pass	2.43958G	-1.28	-21.28	2.08038G	-53.72	2.39399G	-52.82	2.4835G	-55.07	2.49232G	-50.60	23.21434G	-40.87	1
2480MHz_DTS	Pass	2.48008G	-1.24	-21.24	2.30598G	-53.67	2.39763G	-53.24	2.4835G	-43.86	2.4836G	-42.18	23.25371G	-40.37	1

BT-LE(1Mbps)

CSEndB-DTS

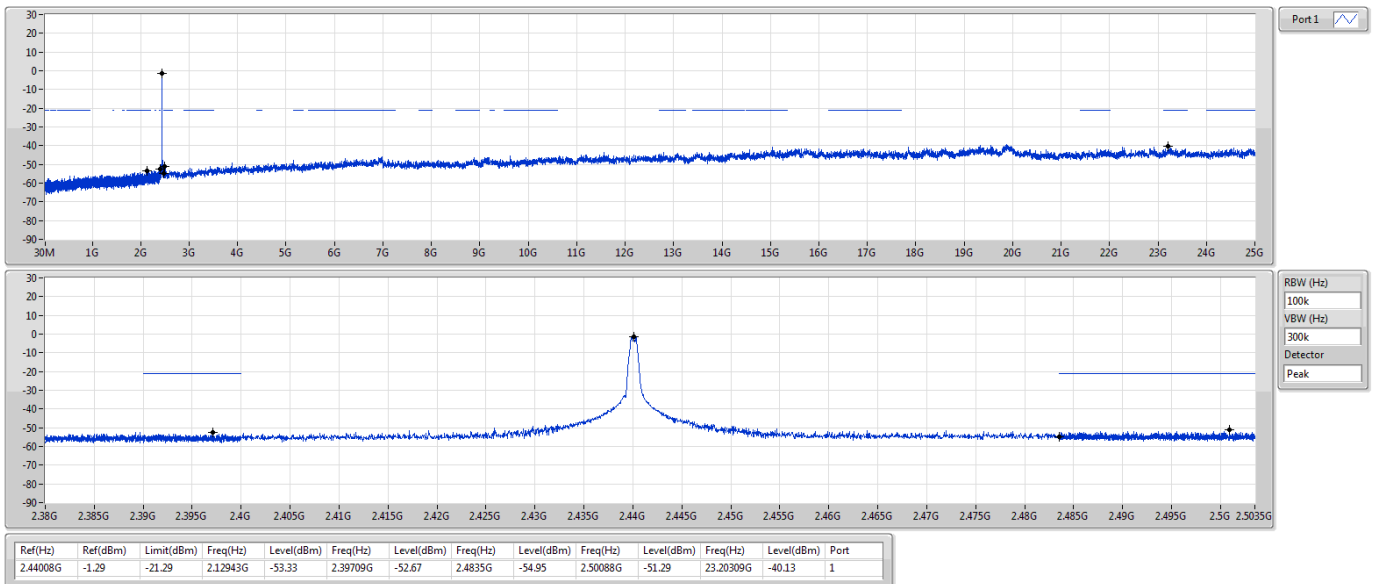
2402MHz



BT-LE(1Mbps)

CSEndB-DTS

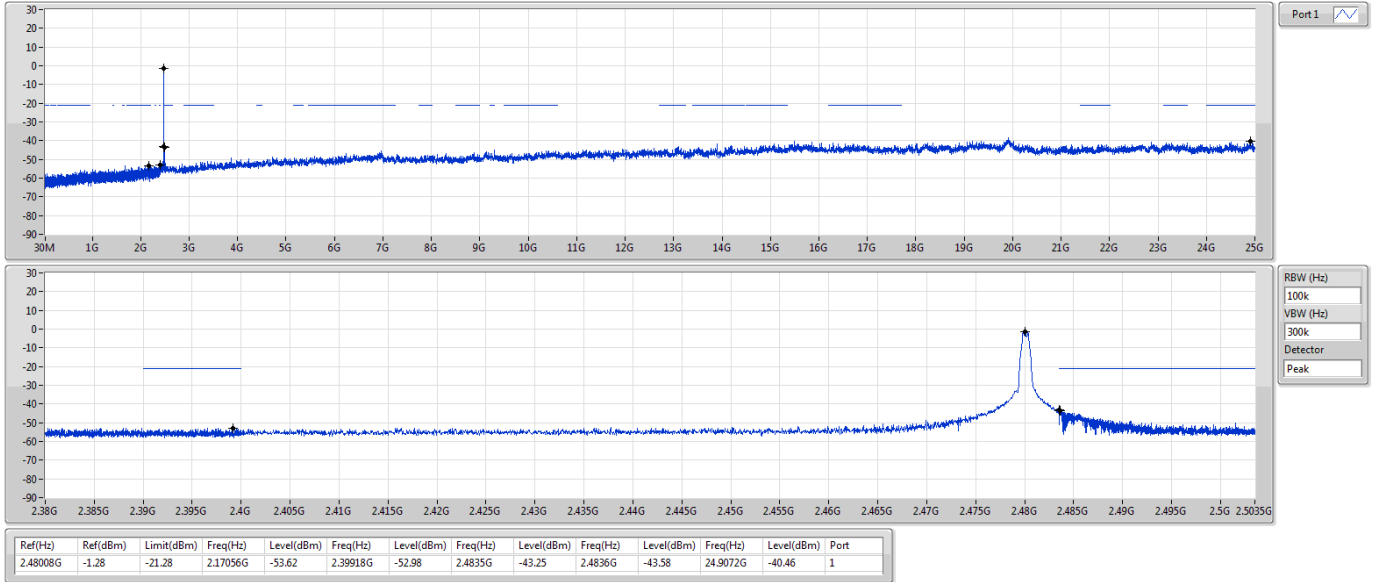
2440MHz



BT-LE(1Mbps)

CSEndB-DTS

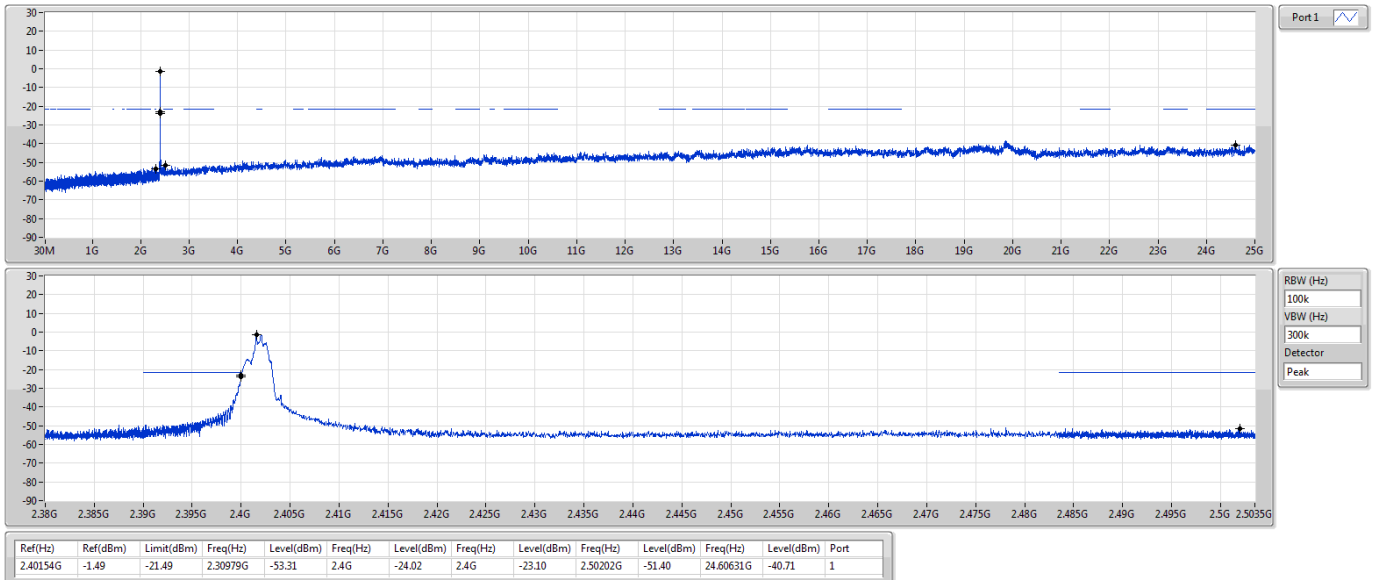
2480MHz



BT-LE(2Mbps)

CSEndB-DTS

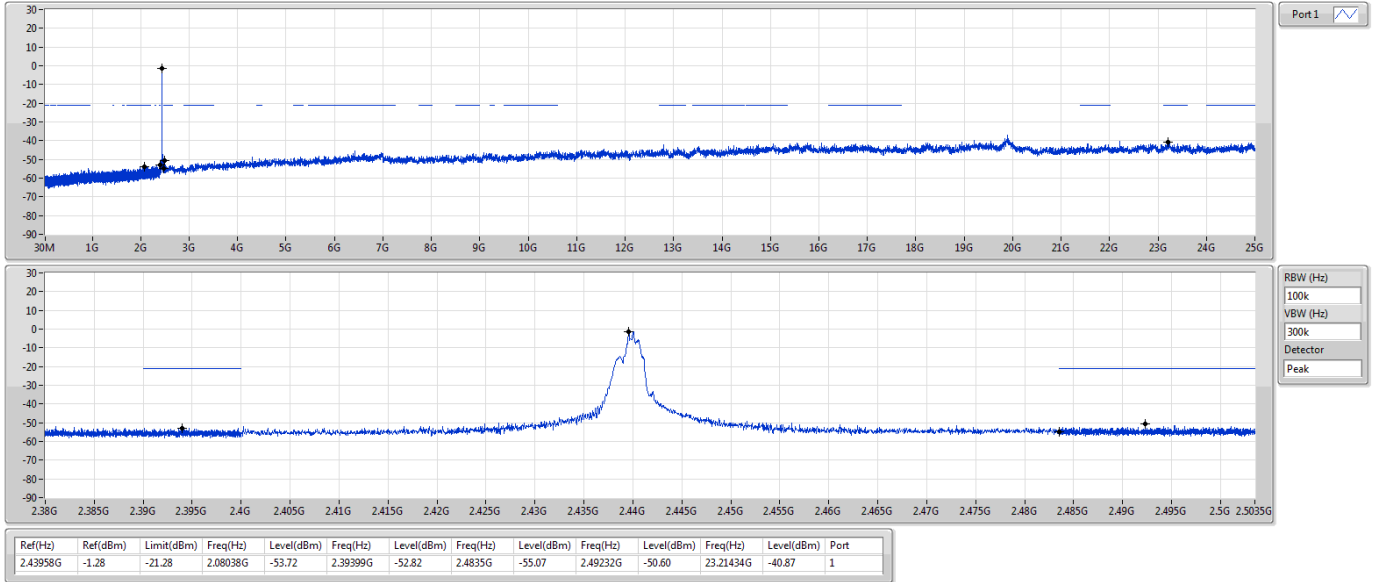
2402MHz



BT-LE(2Mbps)

CSEndB-DTS

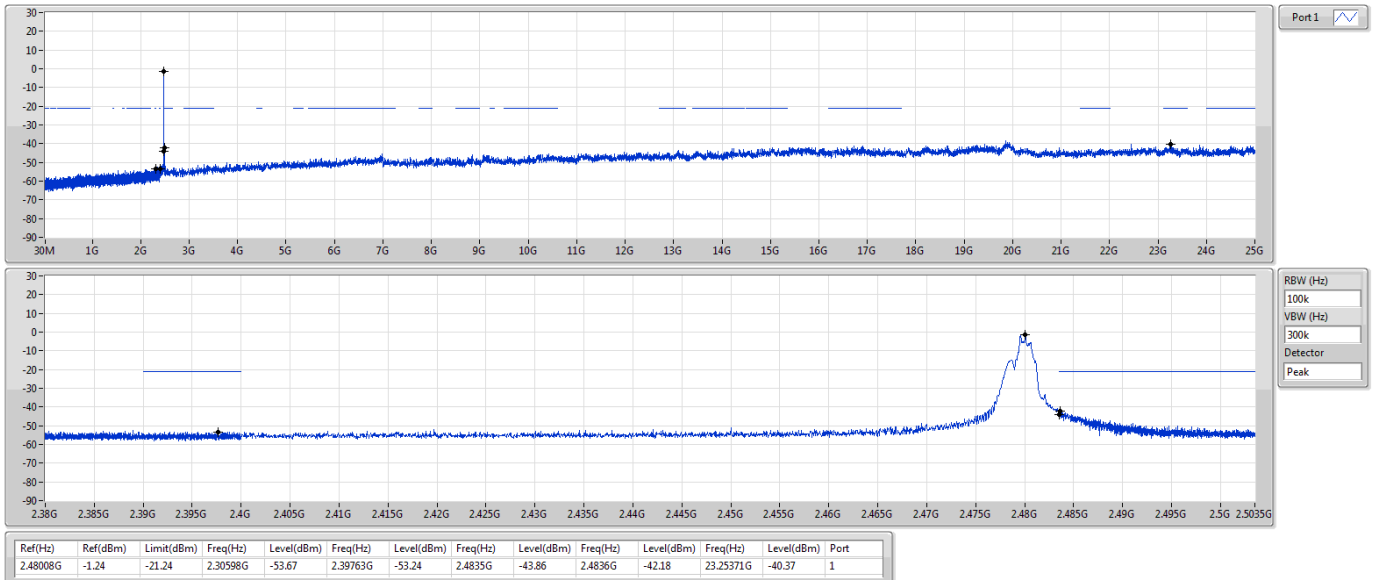
2440MHz



BT-LE(2Mbps)

CSEndB-DTS

2480MHz





Summary

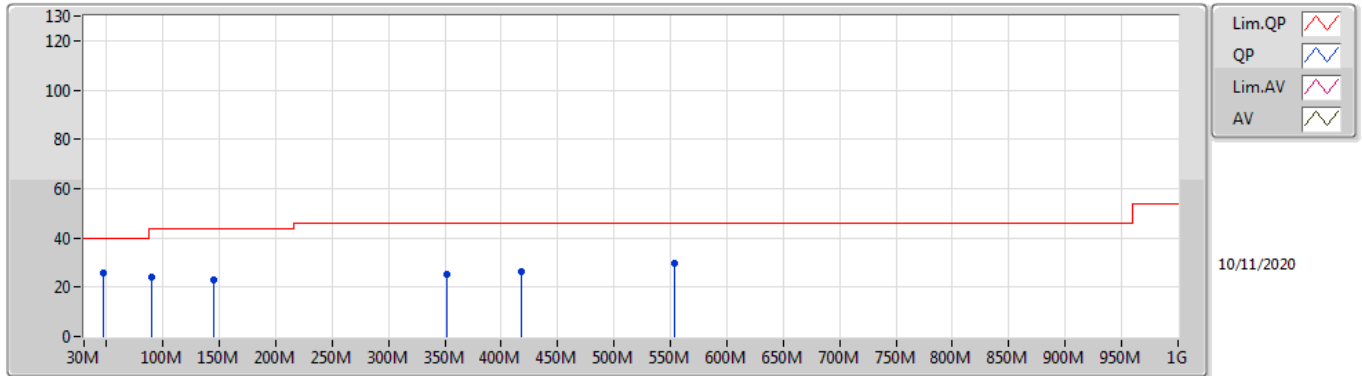
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	AV	2.3774G	48.59	54.00	-5.41	3	Horizontal	51	1.22	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	AV	2.3636G	48.54	54.00	-5.46	3	Vertical	301	1.02	-
2440MHz	Pass	AV	2.402G	79.76	Inf	-Inf	3	Vertical	301	1.02	-
2440MHz	Pass	PK	2.352G	58.98	74.00	-15.02	3	Vertical	301	1.02	-
2440MHz	Pass	PK	2.4018G	81.06	Inf	-Inf	3	Vertical	301	1.02	-
2440MHz	Pass	AV	2.3774G	48.59	54.00	-5.41	3	Horizontal	51	1.22	-
2440MHz	Pass	AV	2.402G	84.30	Inf	-Inf	3	Horizontal	51	1.22	-
2440MHz	Pass	PK	2.3864G	59.36	74.00	-14.64	3	Horizontal	51	1.22	-
2440MHz	Pass	PK	2.4024G	85.35	Inf	-Inf	3	Horizontal	51	1.22	-
2440MHz	Pass	AV	4.8041G	43.55	54.00	-10.45	3	Vertical	202	1.48	-
2440MHz	Pass	PK	4.80398G	50.65	74.00	-23.35	3	Vertical	202	1.48	-
2440MHz	Pass	AV	4.8039G	46.49	54.00	-7.51	3	Horizontal	163	1.27	-
2440MHz	Pass	PK	4.80454G	52.84	74.00	-21.16	3	Horizontal	163	1.27	-

BT-LE(2Mbps)

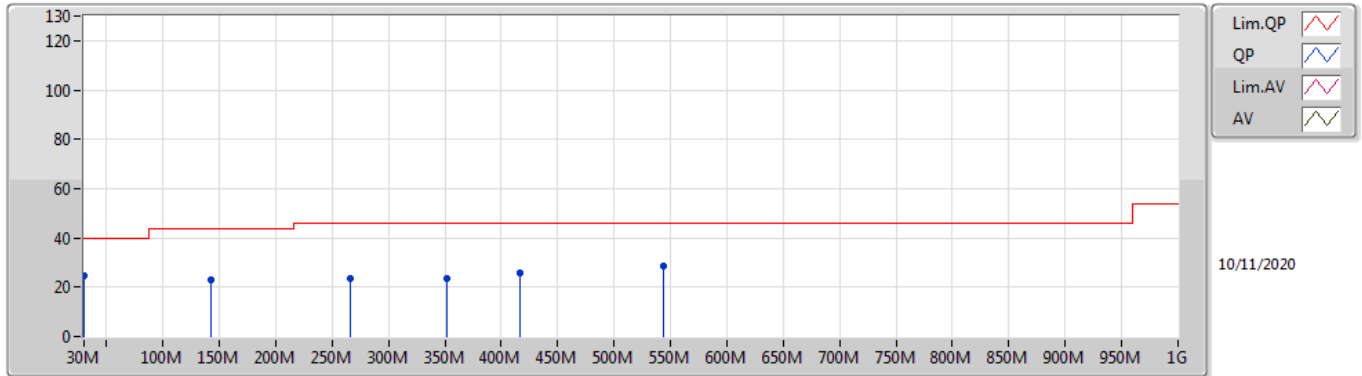
2440MHz_Adapter



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	47.46M	25.72	40.00	-14.28	-12.38	3	Vertical	0	1.00	-	38.10	14.09	1.05	27.52
PK	90.14M	24.17	43.50	-19.33	-11.68	3	Vertical	0	1.00	-	35.85	14.24	1.50	27.42
PK	144.46M	23.15	43.50	-20.35	-9.17	3	Vertical	0	1.00	-	32.32	16.12	1.92	27.21
PK	352.04M	25.24	46.00	-20.76	-4.15	3	Vertical	0	1.00	-	29.39	19.69	3.11	26.95
PK	418M	26.33	46.00	-19.67	-2.30	3	Vertical	0	1.00	-	28.63	21.77	3.34	27.41
PK	553.8M	29.67	46.00	-16.33	0.32	3	Vertical	0	1.00	-	29.35	24.42	3.92	28.02

BT-LE(2Mbps)

2440MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	24.70	40.00	-15.30	-3.17	3	Horizontal	360	1.00	-	27.87	23.51	0.90	27.58
PK	142.52M	23.15	43.50	-20.35	-9.14	3	Horizontal	360	1.00	-	32.29	16.17	1.91	27.22
PK	266.68M	23.55	46.00	-22.45	-5.57	3	Horizontal	360	1.00	-	29.12	18.42	2.70	26.69
PK	352.04M	23.69	46.00	-22.31	-4.15	3	Horizontal	360	1.00	-	27.84	19.69	3.11	26.95
PK	416.06M	25.73	46.00	-20.27	-2.31	3	Horizontal	360	1.00	-	28.04	21.75	3.33	27.39
PK	544.1M	28.73	46.00	-17.27	0.44	3	Horizontal	360	1.00	-	28.29	24.55	3.88	27.99



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	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	AV	2.4904G	49.25	54.00	-4.75	3	Horizontal	53	1.09	-
BT-LE(2Mbps)	Pass	AV	7.32022G	51.56	54.00	-2.44	3	Vertical	246	1.26	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3636G	48.54	54.00	-5.46	3	Vertical	301	1.02	-
2402MHz	Pass	AV	2.402G	79.76	Inf	-Inf	3	Vertical	301	1.02	-
2402MHz	Pass	PK	2.352G	58.98	74.00	-15.02	3	Vertical	301	1.02	-
2402MHz	Pass	PK	2.4018G	81.06	Inf	-Inf	3	Vertical	301	1.02	-
2402MHz	Pass	AV	2.3774G	48.59	54.00	-5.41	3	Horizontal	51	1.22	-
2402MHz	Pass	AV	2.402G	84.30	Inf	-Inf	3	Horizontal	51	1.22	-
2402MHz	Pass	PK	2.3864G	59.36	74.00	-14.64	3	Horizontal	51	1.22	-
2402MHz	Pass	PK	2.4024G	85.35	Inf	-Inf	3	Horizontal	51	1.22	-
2402MHz	Pass	AV	4.8041G	43.55	54.00	-10.45	3	Vertical	202	1.48	-
2402MHz	Pass	PK	4.80398G	50.65	74.00	-23.35	3	Vertical	202	1.48	-
2402MHz	Pass	AV	4.8039G	46.49	54.00	-7.51	3	Horizontal	163	1.27	-
2402MHz	Pass	PK	4.80454G	52.84	74.00	-21.16	3	Horizontal	163	1.27	-
2440MHz	Pass	AV	2.3444G	48.43	54.00	-5.57	3	Vertical	195	1.00	-
2440MHz	Pass	AV	2.44G	83.58	Inf	-Inf	3	Vertical	195	1.00	-
2440MHz	Pass	AV	2.492G	49.00	54.00	-5.00	3	Vertical	195	1.00	-
2440MHz	Pass	PK	2.3848G	58.89	74.00	-15.11	3	Vertical	195	1.00	-
2440MHz	Pass	PK	2.44G	84.70	Inf	-Inf	3	Vertical	195	1.00	-
2440MHz	Pass	PK	2.49G	59.23	74.00	-14.77	3	Vertical	195	1.00	-
2440MHz	Pass	AV	2.3404G	48.48	54.00	-5.52	3	Horizontal	53	1.09	-
2440MHz	Pass	AV	2.44G	86.18	Inf	-Inf	3	Horizontal	53	1.09	-
2440MHz	Pass	AV	2.4904G	49.25	54.00	-4.75	3	Horizontal	53	1.09	-
2440MHz	Pass	PK	2.3544G	59.46	74.00	-14.54	3	Horizontal	53	1.09	-
2440MHz	Pass	PK	2.4404G	87.20	Inf	-Inf	3	Horizontal	53	1.09	-
2440MHz	Pass	PK	2.4924G	59.77	74.00	-14.23	3	Horizontal	53	1.09	-
2440MHz	Pass	AV	4.88002G	46.10	54.00	-7.90	3	Vertical	45	1.19	-
2440MHz	Pass	AV	7.3195G	48.44	54.00	-5.56	3	Vertical	18	1.11	-
2440MHz	Pass	PK	4.8796G	52.86	74.00	-21.14	3	Vertical	45	1.19	-
2440MHz	Pass	PK	7.31926G	56.33	74.00	-17.67	3	Vertical	18	1.11	-
2440MHz	Pass	AV	4.88004G	47.62	54.00	-6.38	3	Horizontal	163	1.14	-
2440MHz	Pass	AV	7.31954G	47.03	54.00	-6.97	3	Horizontal	87	1.50	-
2440MHz	Pass	PK	4.87966G	53.90	74.00	-20.10	3	Horizontal	163	1.14	-
2440MHz	Pass	PK	7.31938G	55.65	74.00	-18.35	3	Horizontal	87	1.50	-
2480MHz	Pass	AV	2.48G	79.42	Inf	-Inf	3	Vertical	325	1.13	-
2480MHz	Pass	AV	2.492G	49.00	54.00	-5.00	3	Vertical	325	1.13	-
2480MHz	Pass	PK	2.4804G	80.69	Inf	-Inf	3	Vertical	325	1.13	-
2480MHz	Pass	PK	2.4835G	59.76	74.00	-14.24	3	Vertical	325	1.13	-
2480MHz	Pass	AV	2.48G	88.31	Inf	-Inf	3	Horizontal	70	1.00	-
2480MHz	Pass	AV	2.4874G	49.00	54.00	-5.00	3	Horizontal	70	1.00	-
2480MHz	Pass	PK	2.4798G	89.21	Inf	-Inf	3	Horizontal	70	1.00	-
2480MHz	Pass	PK	2.4838G	64.26	74.00	-9.74	3	Horizontal	70	1.00	-
2480MHz	Pass	AV	4.96008G	46.38	54.00	-7.62	3	Vertical	46	1.15	-
2480MHz	Pass	AV	7.4395G	47.52	54.00	-6.48	3	Vertical	226	1.25	-
2480MHz	Pass	PK	4.96054G	52.94	74.00	-21.06	3	Vertical	46	1.15	-
2480MHz	Pass	PK	7.43942G	55.70	74.00	-18.30	3	Vertical	226	1.25	-
2480MHz	Pass	AV	4.95998G	48.64	54.00	-5.36	3	Horizontal	162	1.29	-
2480MHz	Pass	AV	7.4396G	46.71	54.00	-7.29	3	Horizontal	88	1.46	-
2480MHz	Pass	PK	4.9597G	54.82	74.00	-19.18	3	Horizontal	162	1.29	-
2480MHz	Pass	PK	7.44088G	55.31	74.00	-18.69	3	Horizontal	88	1.46	-
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3684G	49.93	54.00	-4.07	3	Vertical	301	1.03	-
2402MHz	Pass	AV	2.402G	79.98	Inf	-Inf	3	Vertical	301	1.03	-
2402MHz	Pass	PK	2.3598G	59.83	74.00	-14.17	3	Vertical	301	1.03	-
2402MHz	Pass	PK	2.4026G	81.00	Inf	-Inf	3	Vertical	301	1.03	-
2402MHz	Pass	AV	2.3734G	49.94	54.00	-4.06	3	Horizontal	51	1.24	-
2402MHz	Pass	AV	2.402G	84.68	Inf	-Inf	3	Horizontal	51	1.24	-
2402MHz	Pass	PK	2.3796G	59.81	74.00	-14.19	3	Horizontal	51	1.24	-
2402MHz	Pass	PK	2.402G	85.52	Inf	-Inf	3	Horizontal	51	1.24	-
2402MHz	Pass	AV	4.80418G	45.08	54.00	-8.92	3	Vertical	49	1.35	-
2402MHz	Pass	PK	4.80522G	50.07	74.00	-23.93	3	Vertical	49	1.35	-
2402MHz	Pass	AV	4.80418G	49.30	54.00	-4.70	3	Horizontal	162	1.50	-



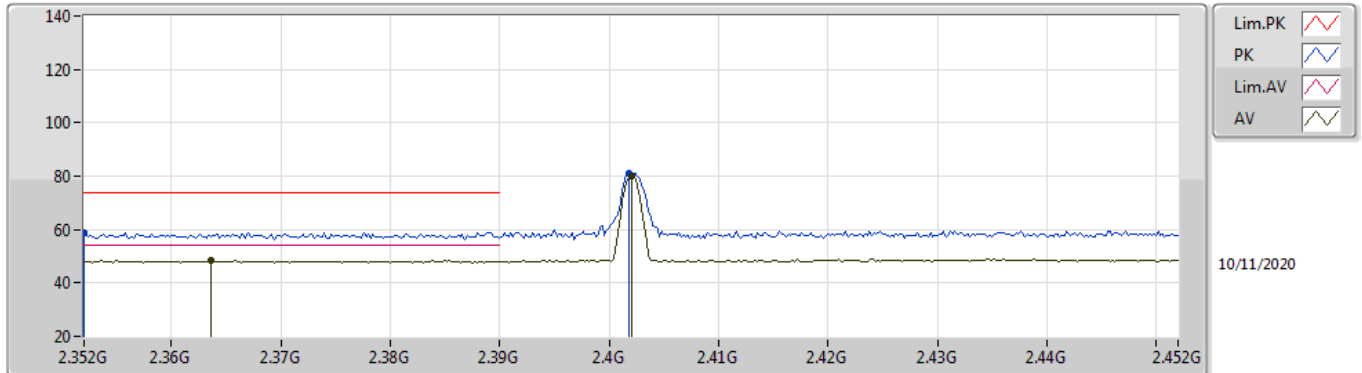
RSE TX above 1GHz

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2402MHz	Pass	PK	4.80414G	52.72	74.00	-21.28	3	Horizontal	162	1.50	-
2440MHz	Pass	AV	2.3796G	49.96	54.00	-4.04	3	Vertical	137	2.66	-
2440MHz	Pass	AV	2.44G	82.25	Inf	-Inf	3	Vertical	137	2.66	-
2440MHz	Pass	AV	2.4916G	50.41	54.00	-3.59	3	Vertical	137	2.66	-
2440MHz	Pass	PK	2.3468G	60.47	74.00	-13.53	3	Vertical	137	2.66	-
2440MHz	Pass	PK	2.4404G	83.15	Inf	-Inf	3	Vertical	137	2.66	-
2440MHz	Pass	PK	2.4948G	60.12	74.00	-13.88	3	Vertical	137	2.66	-
2440MHz	Pass	AV	2.3812G	50.18	54.00	-3.82	3	Horizontal	52	1.10	-
2440MHz	Pass	AV	2.44G	86.67	Inf	-Inf	3	Horizontal	52	1.10	-
2440MHz	Pass	AV	2.4835G	50.40	54.00	-3.60	3	Horizontal	52	1.10	-
2440MHz	Pass	PK	2.3712G	59.16	74.00	-14.84	3	Horizontal	52	1.10	-
2440MHz	Pass	PK	2.4404G	87.41	Inf	-Inf	3	Horizontal	52	1.10	-
2440MHz	Pass	PK	2.4835G	59.38	74.00	-14.62	3	Horizontal	52	1.10	-
2440MHz	Pass	AV	4.88016G	49.09	54.00	-4.91	3	Vertical	45	1.32	-
2440MHz	Pass	AV	7.32022G	51.56	54.00	-2.44	3	Vertical	246	1.26	-
2440MHz	Pass	PK	4.87908G	52.59	74.00	-21.41	3	Vertical	45	1.32	-
2440MHz	Pass	PK	7.3198G	56.28	74.00	-17.72	3	Vertical	246	1.26	-
2440MHz	Pass	AV	4.8801G	50.17	54.00	-3.83	3	Horizontal	162	1.15	-
2440MHz	Pass	AV	7.32022G	49.74	54.00	-4.26	3	Horizontal	87	2.23	-
2440MHz	Pass	PK	4.87892G	53.50	74.00	-20.50	3	Horizontal	162	1.15	-
2440MHz	Pass	PK	7.3189G	55.29	74.00	-18.71	3	Horizontal	87	2.23	-
2480MHz	Pass	AV	2.48G	72.99	Inf	-Inf	3	Vertical	309	1.14	-
2480MHz	Pass	AV	2.4856G	50.63	54.00	-3.37	3	Vertical	309	1.14	-
2480MHz	Pass	PK	2.4796G	74.52	Inf	-Inf	3	Vertical	309	1.14	-
2480MHz	Pass	PK	2.4894G	60.74	74.00	-13.26	3	Vertical	309	1.14	-
2480MHz	Pass	AV	2.48G	88.57	Inf	-Inf	3	Horizontal	69	1.00	-
2480MHz	Pass	AV	2.4836G	51.23	54.00	-2.77	3	Horizontal	69	1.00	-
2480MHz	Pass	PK	2.4806G	89.30	Inf	-Inf	3	Horizontal	69	1.00	-
2480MHz	Pass	PK	2.4836G	66.18	74.00	-7.82	3	Horizontal	69	1.00	-
2480MHz	Pass	AV	4.9602G	48.92	54.00	-5.08	3	Vertical	47	1.37	-
2480MHz	Pass	AV	7.44022G	50.05	54.00	-3.95	3	Vertical	227	1.17	-
2480MHz	Pass	PK	4.96G	52.62	74.00	-21.38	3	Vertical	47	1.37	-
2480MHz	Pass	PK	7.43884G	55.32	74.00	-18.68	3	Vertical	227	1.17	-
2480MHz	Pass	AV	4.96012G	51.30	54.00	-2.70	3	Horizontal	162	1.26	-
2480MHz	Pass	AV	7.44012G	49.63	54.00	-4.37	3	Horizontal	88	2.17	-
2480MHz	Pass	PK	4.95928G	54.43	74.00	-19.57	3	Horizontal	162	1.26	-
2480MHz	Pass	PK	7.44162G	55.24	74.00	-18.76	3	Horizontal	88	2.17	-

BT-LE(1Mbps)

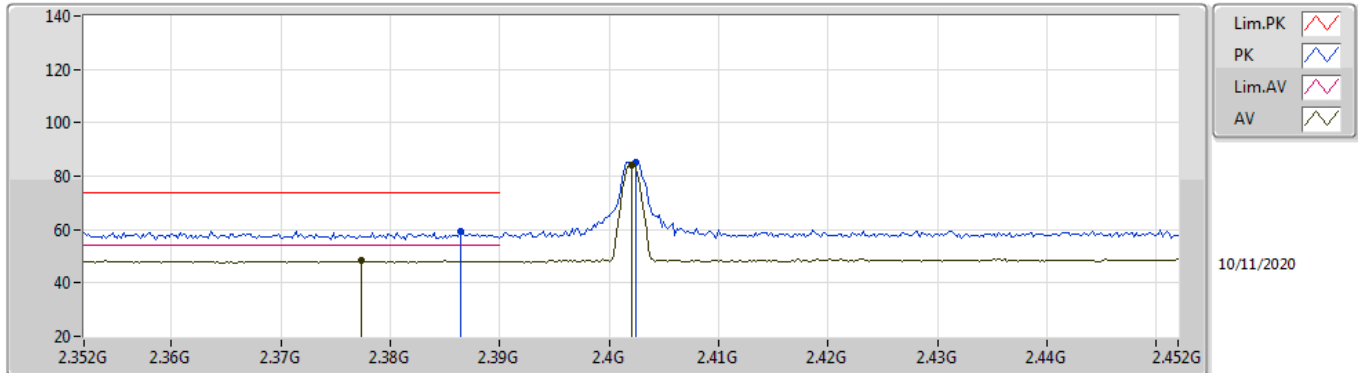
2402MHz_TX



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	2.3636G	48.54	54.00	-5.46	31.93	3	Vertical	301	1.02	-	16.61	27.67	4.26	-
AV	2.402G	79.76	Inf	-Inf	31.90	3	Vertical	301	1.02	-	47.86	27.60	4.30	-
PK	2.352G	58.98	74.00	-15.02	31.95	3	Vertical	301	1.02	-	27.03	27.70	4.25	-
PK	2.4018G	81.06	Inf	-Inf	31.90	3	Vertical	301	1.02	-	49.16	27.60	4.30	-

BT-LE(1Mbps)

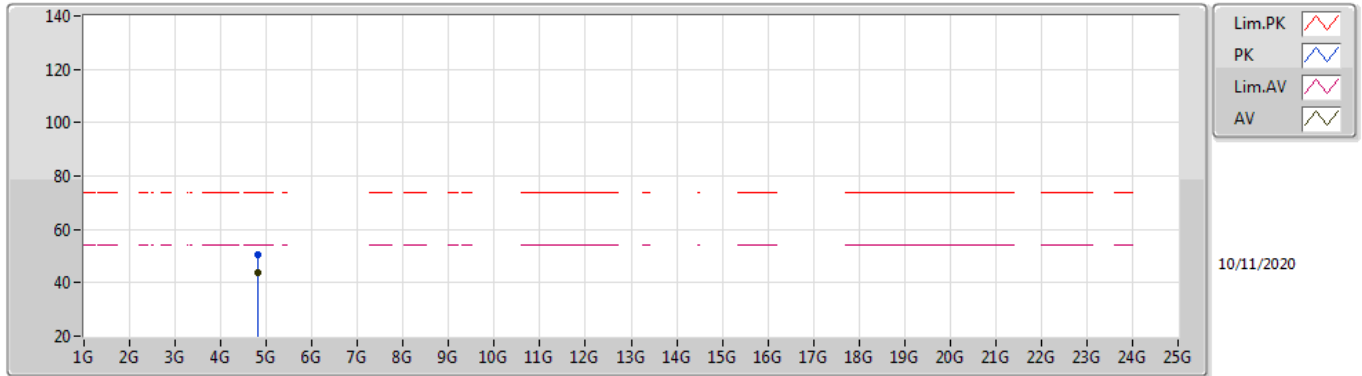
2402MHz_TX



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	2.3774G	48.59	54.00	-5.41	31.93	3	Horizontal	51	1.22	-	16.66	27.65	4.28	-
AV	2.402G	84.30	Inf	-Inf	31.90	3	Horizontal	51	1.22	-	52.40	27.60	4.30	-
PK	2.3864G	59.36	74.00	-14.64	31.92	3	Horizontal	51	1.22	-	27.44	27.63	4.29	-
PK	2.4024G	85.35	Inf	-Inf	31.90	3	Horizontal	51	1.22	-	53.45	27.60	4.30	-

BT-LE(1Mbps)

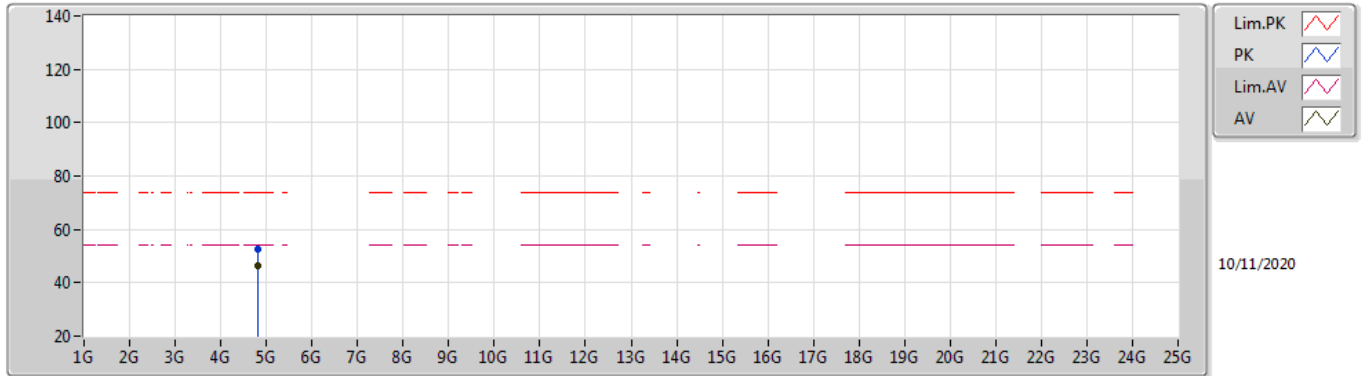
2402MHz_TX



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	4.8041G	43.55	54.00	-10.45	8.37	3	Vertical	202	1.48	-	35.18	31.10	6.50	29.23
PK	4.80398G	50.65	74.00	-23.35	8.37	3	Vertical	202	1.48	-	42.28	31.10	6.50	29.23

BT-LE(1Mbps)

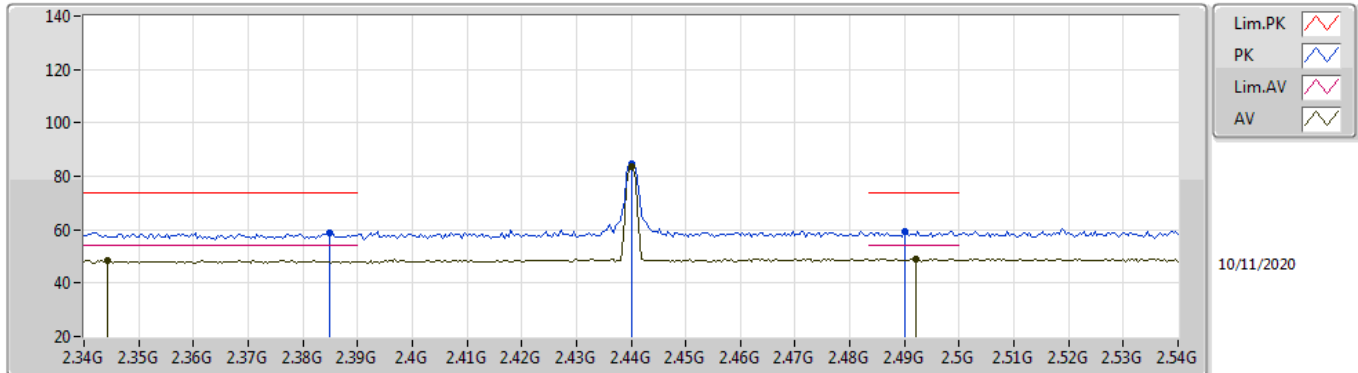
2402MHz_TX



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	4.8039G	46.49	54.00	-7.51	8.37	3	Horizontal	163	1.27	-	38.12	31.10	6.50	29.23
PK	4.80454G	52.84	74.00	-21.16	8.37	3	Horizontal	163	1.27	-	44.47	31.10	6.50	29.23

BT-LE(1Mbps)

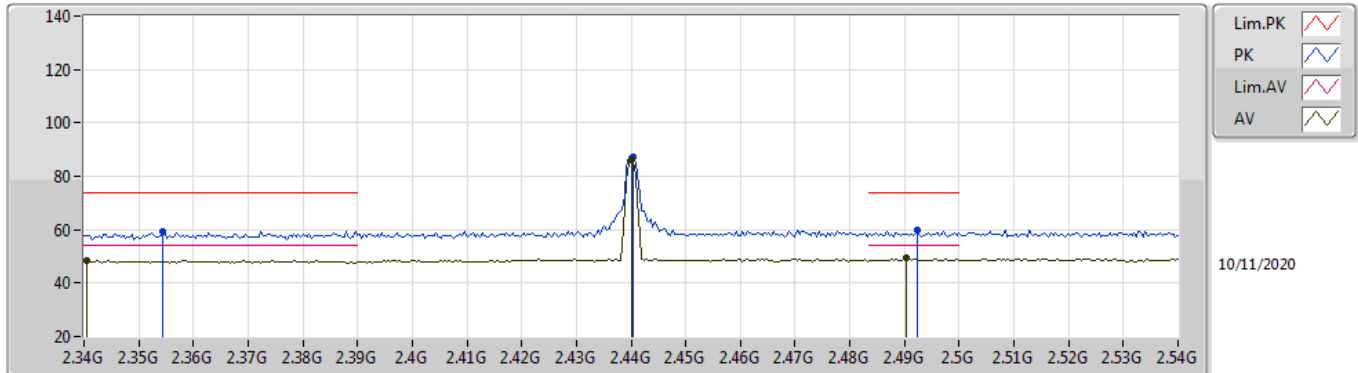
2440MHz_TX



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	2.3444G	48.43	54.00	-5.57	31.96	3	Vertical	195	1.00	-	16.47	27.72	4.24	-
AV	2.44G	83.58	Inf	-Inf	31.86	3	Vertical	195	1.00	-	51.72	27.52	4.34	-
AV	2.492G	49.00	54.00	-5.00	31.81	3	Vertical	195	1.00	-	17.19	27.42	4.39	-
PK	2.3848G	58.89	74.00	-15.11	31.91	3	Vertical	195	1.00	-	26.98	27.63	4.28	-
PK	2.44G	84.70	Inf	-Inf	31.86	3	Vertical	195	1.00	-	52.84	27.52	4.34	-
PK	2.49G	59.23	74.00	-14.77	31.81	3	Vertical	195	1.00	-	27.42	27.42	4.39	-

BT-LE(1Mbps)

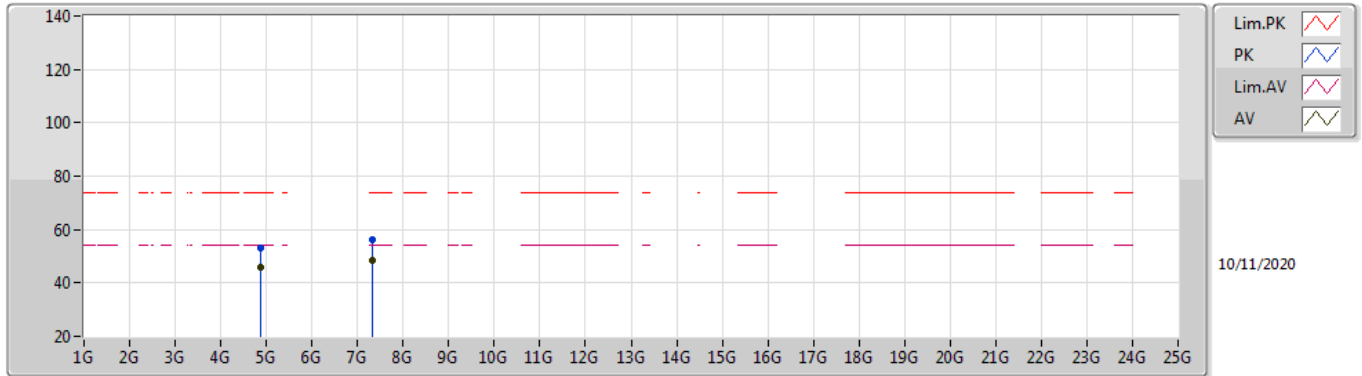
2440MHz_TX



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	2.3404G	48.48	54.00	-5.52	31.98	3	Horizontal	53	1.09	-	16.50	27.74	4.24	-
AV	2.44G	86.18	Inf	-Inf	31.86	3	Horizontal	53	1.09	-	54.32	27.52	4.34	-
AV	2.4904G	49.25	54.00	-4.75	31.81	3	Horizontal	53	1.09	-	17.44	27.42	4.39	-
PK	2.3544G	59.46	74.00	-14.54	31.94	3	Horizontal	53	1.09	-	27.52	27.69	4.25	-
PK	2.4404G	87.20	Inf	-Inf	31.86	3	Horizontal	53	1.09	-	55.34	27.52	4.34	-
PK	2.4924G	59.77	74.00	-14.23	31.81	3	Horizontal	53	1.09	-	27.96	27.42	4.39	-

BT-LE(1Mbps)

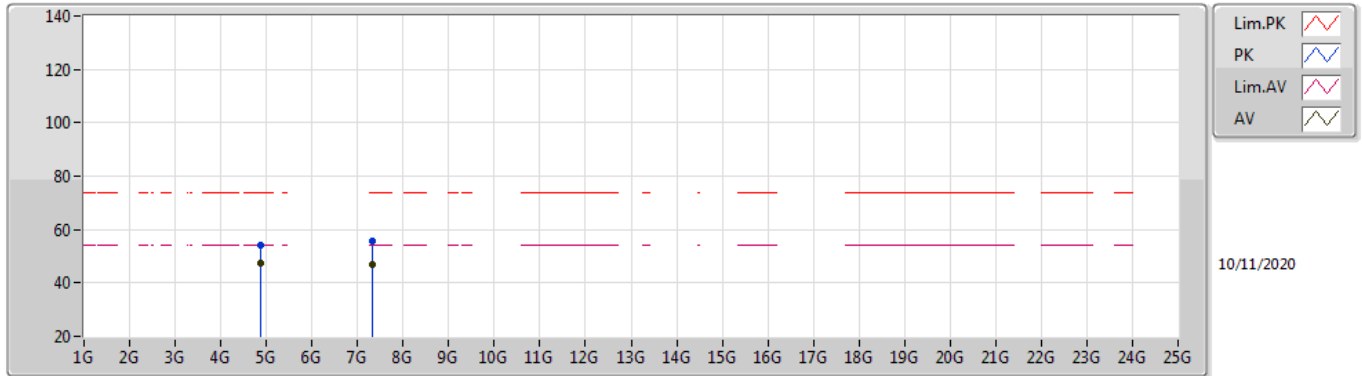
2440MHz_TX



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	4.88002G	46.10	54.00	-7.90	8.47	3	Vertical	45	1.19	-	37.63	31.10	6.58	29.21
AV	7.3195G	48.44	54.00	-5.56	13.77	3	Vertical	18	1.11	-	34.67	36.34	7.60	30.17
PK	4.8796G	52.86	74.00	-21.14	8.47	3	Vertical	45	1.19	-	44.39	31.10	6.58	29.21
PK	7.31926G	56.33	74.00	-17.67	13.77	3	Vertical	18	1.11	-	42.56	36.34	7.60	30.17

BT-LE(1Mbps)

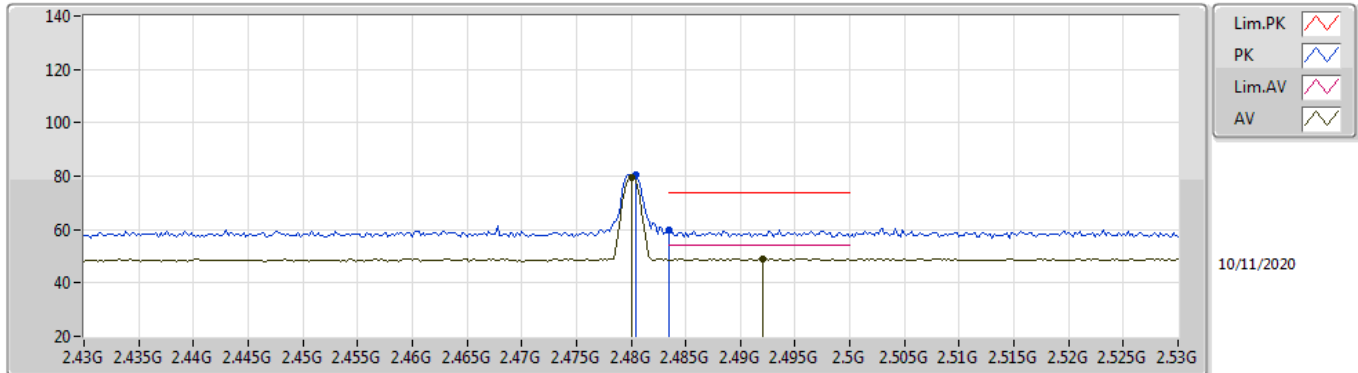
2440MHz_TX



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	4.88004G	47.62	54.00	-6.38	8.47	3	Horizontal	163	1.14	-	39.15	31.10	6.58	29.21
AV	7.31954G	47.03	54.00	-6.97	13.77	3	Horizontal	87	1.50	-	33.26	36.34	7.60	30.17
PK	4.87966G	53.90	74.00	-20.10	8.47	3	Horizontal	163	1.14	-	45.43	31.10	6.58	29.21
PK	7.31938G	55.65	74.00	-18.35	13.77	3	Horizontal	87	1.50	-	41.88	36.34	7.60	30.17

BT-LE(1Mbps)

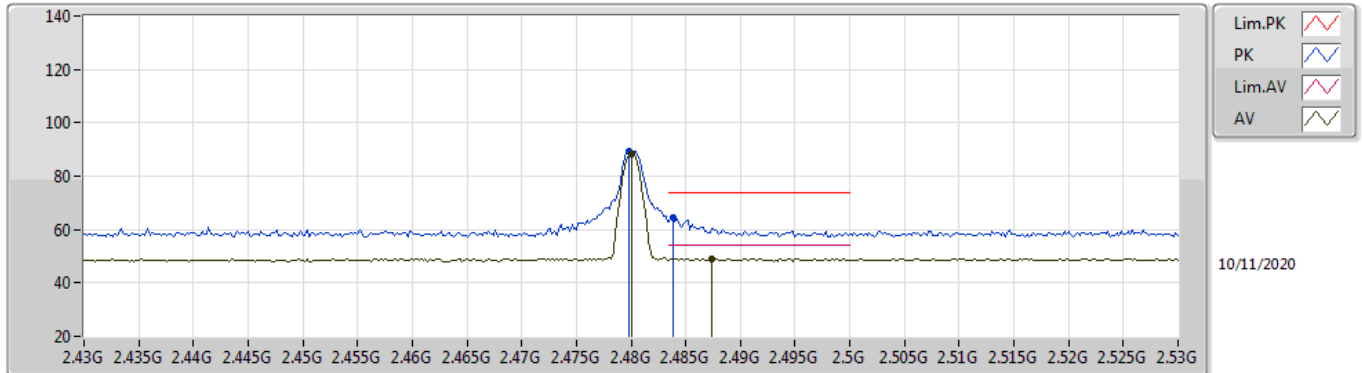
2480MHz_TX



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	79.42	Inf	-Inf	31.82	3	Vertical	325	1.13	-	47.60	27.44	4.38	-
AV	2.492G	49.00	54.00	-5.00	31.81	3	Vertical	325	1.13	-	17.19	27.42	4.39	-
PK	2.4804G	80.69	Inf	-Inf	31.82	3	Vertical	325	1.13	-	48.87	27.44	4.38	-
PK	2.4835G	59.76	74.00	-14.24	31.81	3	Vertical	325	1.13	-	27.95	27.43	4.38	-

BT-LE(1Mbps)

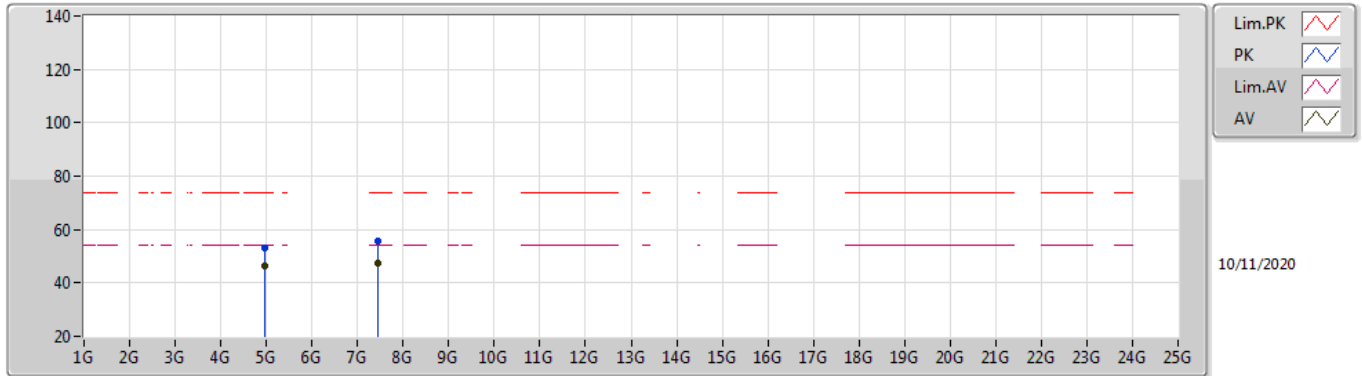
2480MHz_TX



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	88.31	Inf	-Inf	31.82	3	Horizontal	70	1.00	-	56.49	27.44	4.38	-
AV	2.4874G	49.00	54.00	-5.00	31.82	3	Horizontal	70	1.00	-	17.18	27.43	4.39	-
PK	2.4798G	89.21	Inf	-Inf	31.82	3	Horizontal	70	1.00	-	57.39	27.44	4.38	-
PK	2.4838G	64.26	74.00	-9.74	31.81	3	Horizontal	70	1.00	-	32.45	27.43	4.38	-

BT-LE(1Mbps)

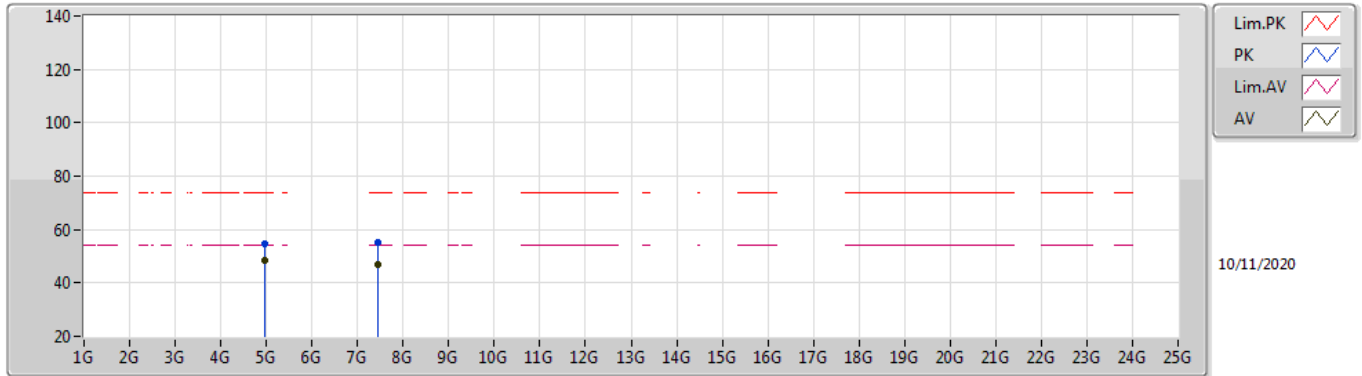
2480MHz_TX



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	4.96008G	46.38	54.00	-7.62	8.68	3	Vertical	46	1.15	-	37.70	31.20	6.66	29.18
AV	7.4395G	47.52	54.00	-6.48	13.62	3	Vertical	226	1.25	-	33.90	36.24	7.64	30.26
PK	4.96054G	52.94	74.00	-21.06	8.68	3	Vertical	46	1.15	-	44.26	31.20	6.66	29.18
PK	7.43942G	55.70	74.00	-18.30	13.62	3	Vertical	226	1.25	-	42.08	36.24	7.64	30.26

BT-LE(1Mbps)

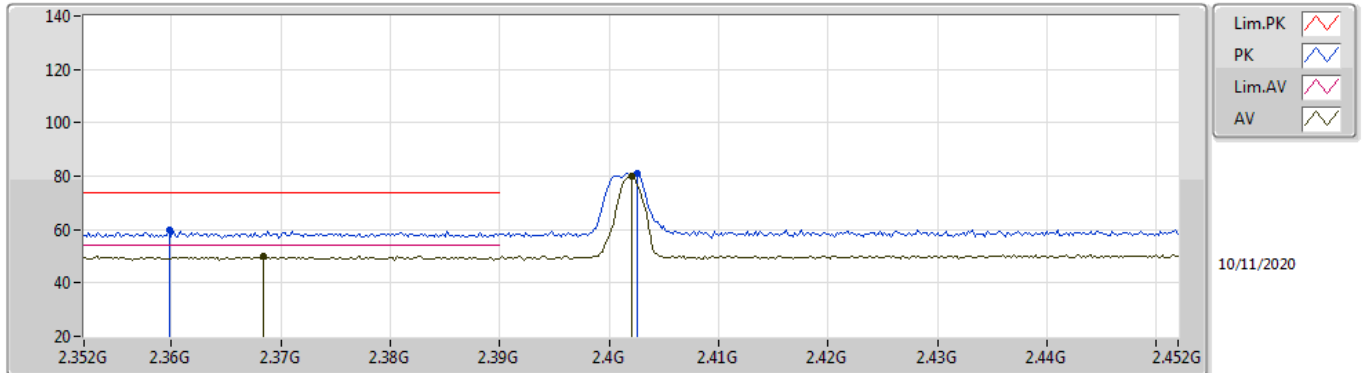
2480MHz_TX



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	4.95998G	48.64	54.00	-5.36	8.68	3	Horizontal	162	1.29	-	39.96	31.20	6.66	29.18
AV	7.4396G	46.71	54.00	-7.29	13.62	3	Horizontal	88	1.46	-	33.09	36.24	7.64	30.26
PK	4.9597G	54.82	74.00	-19.18	8.68	3	Horizontal	162	1.29	-	46.14	31.20	6.66	29.18
PK	7.44088G	55.31	74.00	-18.69	13.63	3	Horizontal	88	1.46	-	41.68	36.25	7.64	30.26

BT-LE(2Mbps)

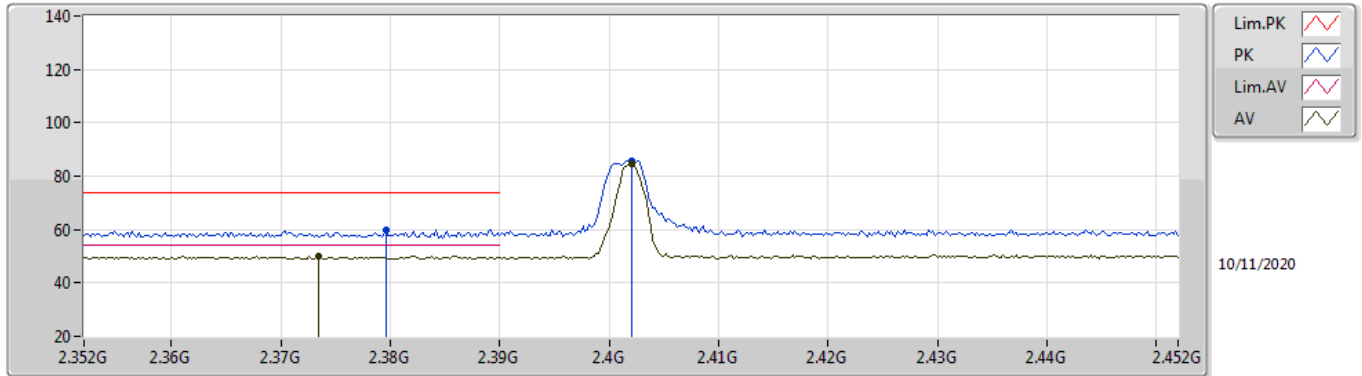
2402MHz_TX



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	2.3684G	49.93	54.00	-4.07	31.93	3	Vertical	301	1.03	-	18.00	27.66	4.27	-
AV	2.402G	79.98	Inf	-Inf	31.90	3	Vertical	301	1.03	-	48.08	27.60	4.30	-
PK	2.3598G	59.83	74.00	-14.17	31.94	3	Vertical	301	1.03	-	27.89	27.68	4.26	-
PK	2.4026G	81.00	Inf	-Inf	31.89	3	Vertical	301	1.03	-	49.11	27.59	4.30	-

BT-LE(2Mbps)

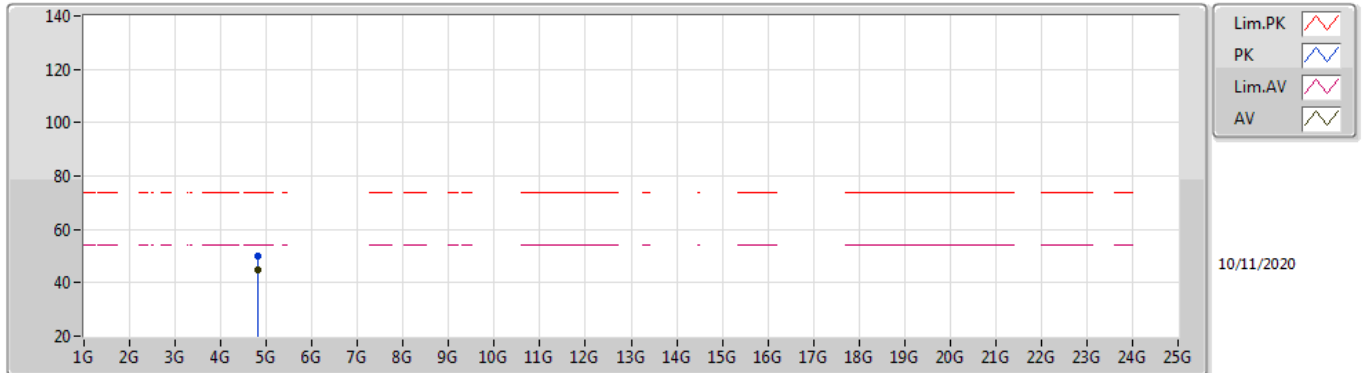
2402MHz_TX



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	2.3734G	49.94	54.00	-4.06	31.92	3	Horizontal	51	1.24	-	18.02	27.65	4.27	-
AV	2.402G	84.68	Inf	-Inf	31.90	3	Horizontal	51	1.24	-	52.78	27.60	4.30	-
PK	2.3796G	59.81	74.00	-14.19	31.92	3	Horizontal	51	1.24	-	27.89	27.64	4.28	-
PK	2.402G	85.52	Inf	-Inf	31.90	3	Horizontal	51	1.24	-	53.62	27.60	4.30	-

BT-LE(2Mbps)

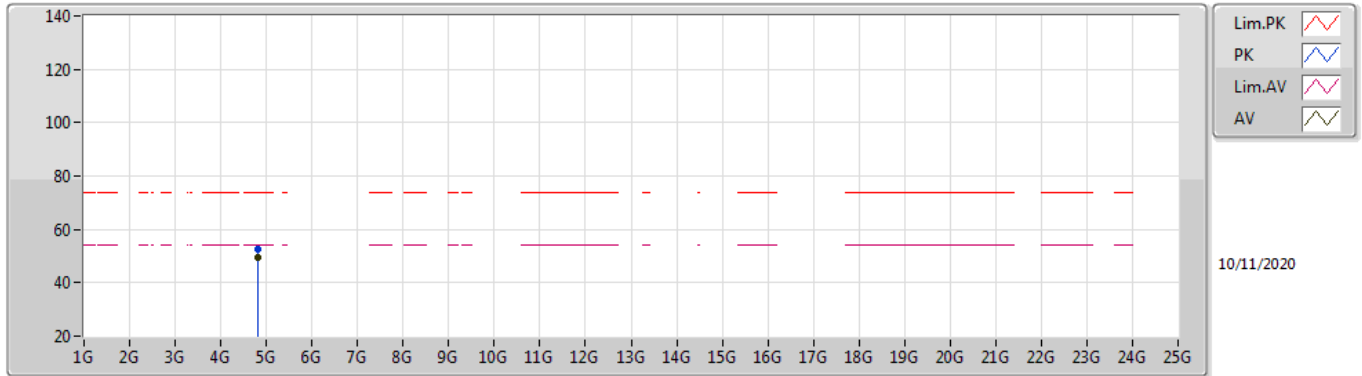
2402MHz_TX



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	4.80418G	45.08	54.00	-8.92	8.37	3	Vertical	49	1.35	-	36.71	31.10	6.50	29.23
PK	4.80522G	50.07	74.00	-23.93	8.38	3	Vertical	49	1.35	-	41.69	31.10	6.51	29.23

BT-LE(2Mbps)

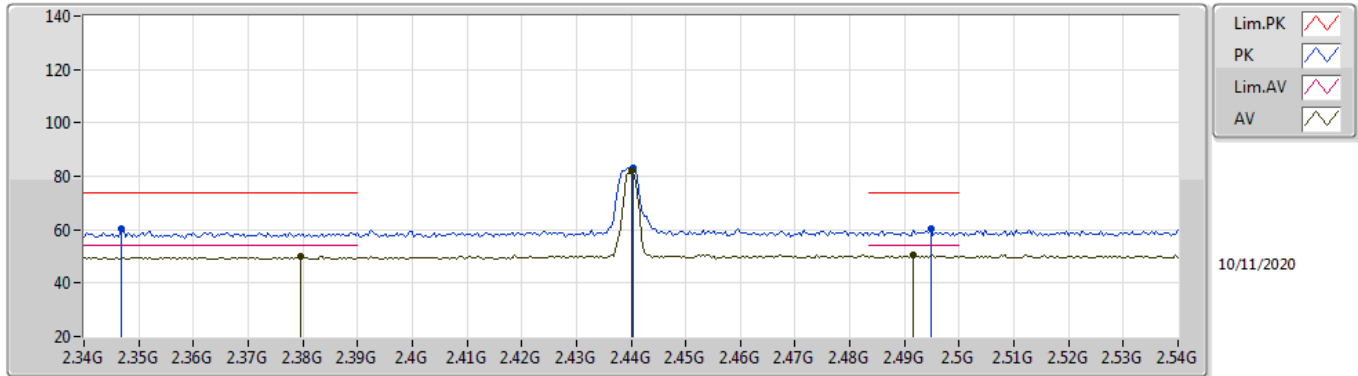
2402MHz_TX



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	4.80418G	49.30	54.00	-4.70	8.37	3	Horizontal	162	1.50	-	40.93	31.10	6.50	29.23
PK	4.80414G	52.72	74.00	-21.28	8.37	3	Horizontal	162	1.50	-	44.35	31.10	6.50	29.23

BT-LE(2Mbps)

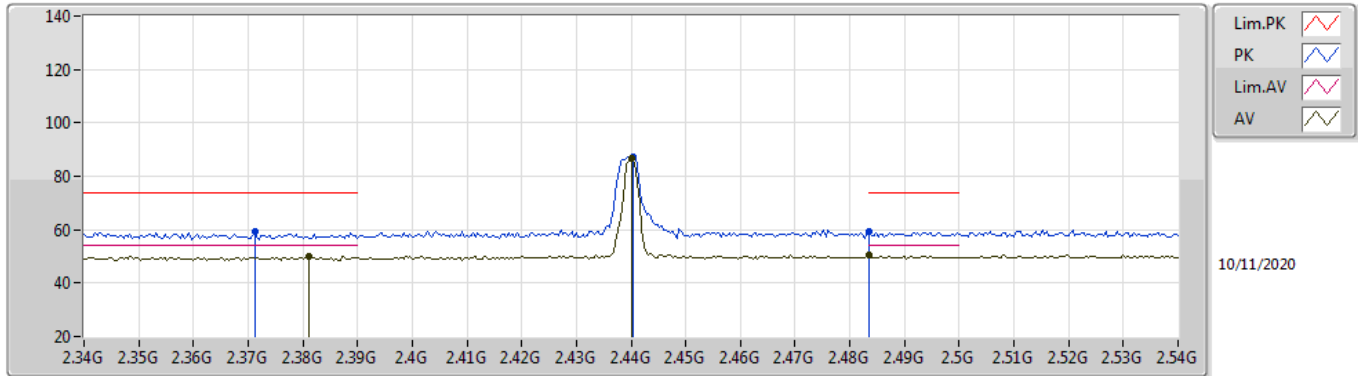
2440MHz_TX



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	2.3796G	49.96	54.00	-4.04	31.92	3	Vertical	137	2.66	-	18.04	27.64	4.28	-
AV	2.44G	82.25	Inf	-Inf	31.86	3	Vertical	137	2.66	-	50.39	27.52	4.34	-
AV	2.4916G	50.41	54.00	-3.59	31.81	3	Vertical	137	2.66	-	18.60	27.42	4.39	-
PK	2.3468G	60.47	74.00	-13.53	31.96	3	Vertical	137	2.66	-	28.51	27.71	4.25	-
PK	2.4404G	83.15	Inf	-Inf	31.86	3	Vertical	137	2.66	-	51.29	27.52	4.34	-
PK	2.4948G	60.12	74.00	-13.88	31.80	3	Vertical	137	2.66	-	28.32	27.41	4.39	-

BT-LE(2Mbps)

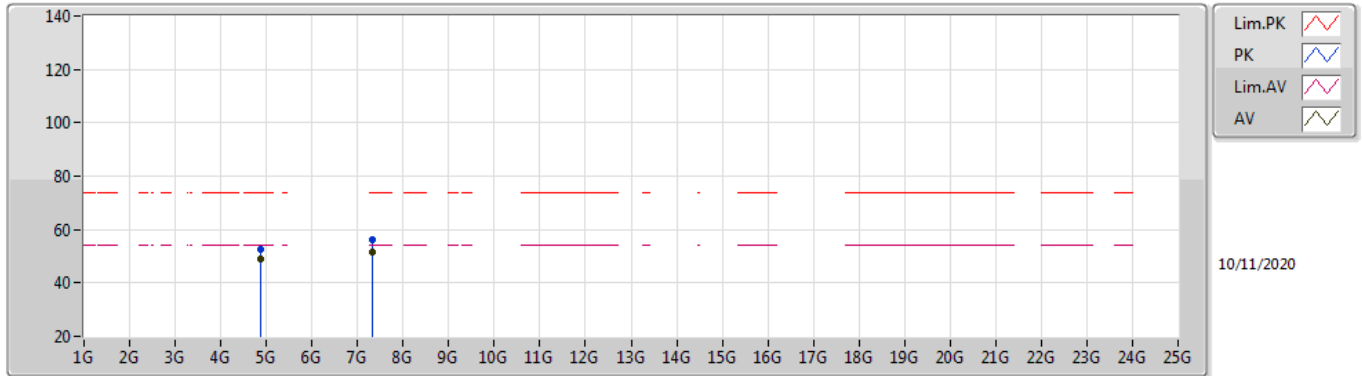
2440MHz_TX



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	2.3812G	50.18	54.00	-3.82	31.92	3	Horizontal	52	1.10	-	18.26	27.64	4.28	-
AV	2.44G	86.67	Inf	-Inf	31.86	3	Horizontal	52	1.10	-	54.81	27.52	4.34	-
AV	2.4835G	50.40	54.00	-3.60	31.81	3	Horizontal	52	1.10	-	18.59	27.43	4.38	-
PK	2.3712G	59.16	74.00	-14.84	31.93	3	Horizontal	52	1.10	-	27.23	27.66	4.27	-
PK	2.4404G	87.41	Inf	-Inf	31.86	3	Horizontal	52	1.10	-	55.55	27.52	4.34	-
PK	2.4835G	59.38	74.00	-14.62	31.81	3	Horizontal	52	1.10	-	27.57	27.43	4.38	-

BT-LE(2Mbps)

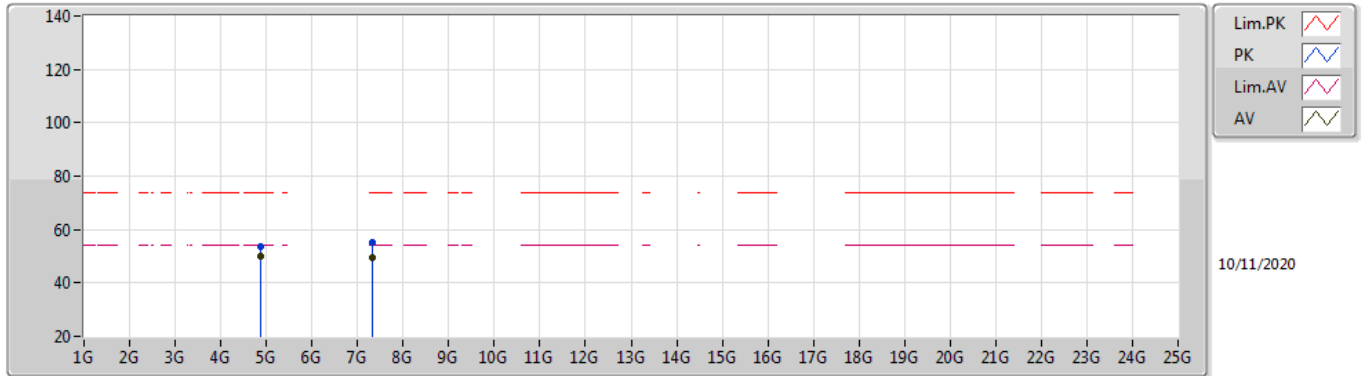
2440MHz_TX



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	4.88016G	49.09	54.00	-4.91	8.47	3	Vertical	45	1.32	-	40.62	31.10	6.58	29.21
AV	7.32022G	51.56	54.00	-2.44	13.77	3	Vertical	246	1.26	-	37.79	36.34	7.60	30.17
PK	4.87908G	52.59	74.00	-21.41	8.47	3	Vertical	45	1.32	-	44.12	31.10	6.58	29.21
PK	7.3198G	56.28	74.00	-17.72	13.77	3	Vertical	246	1.26	-	42.51	36.34	7.60	30.17

BT-LE(2Mbps)

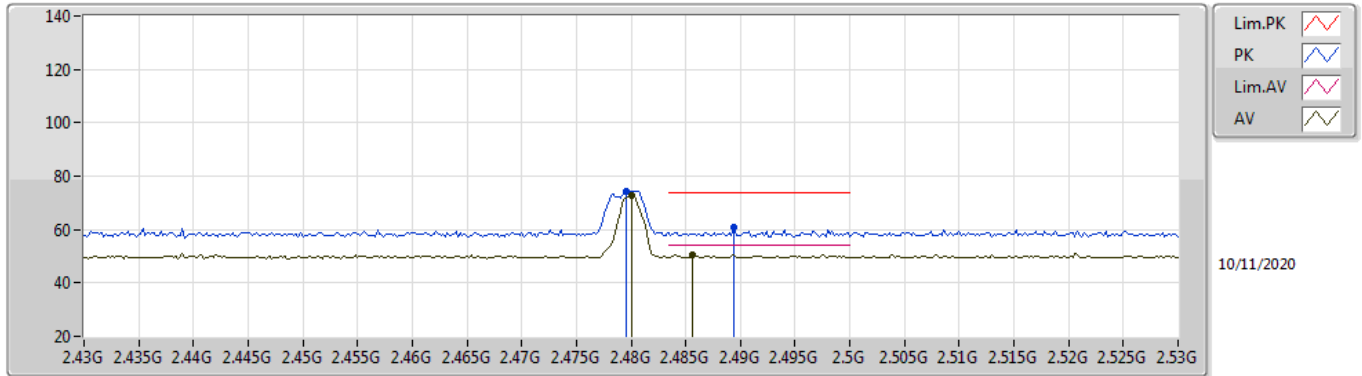
2440MHz_TX



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	4.8801G	50.17	54.00	-3.83	8.47	3	Horizontal	162	1.15	-	41.70	31.10	6.58	29.21
AV	7.32022G	49.74	54.00	-4.26	13.77	3	Horizontal	87	2.23	-	35.97	36.34	7.60	30.17
PK	4.87892G	53.50	74.00	-20.50	8.47	3	Horizontal	162	1.15	-	45.03	31.10	6.58	29.21
PK	7.3189G	55.29	74.00	-18.71	13.77	3	Horizontal	87	2.23	-	41.52	36.34	7.60	30.17

BT-LE(2Mbps)

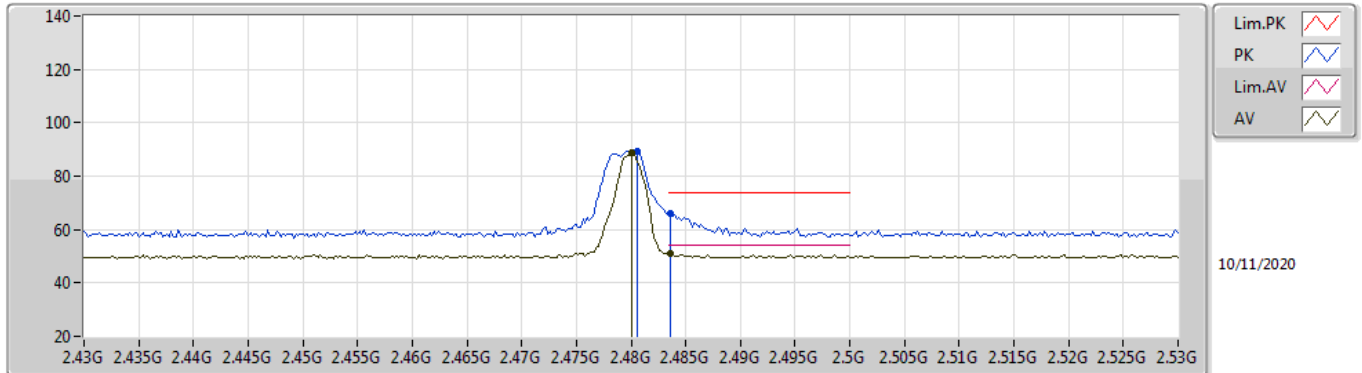
2480MHz_TX



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	72.99	Inf	-Inf	31.82	3	Vertical	309	1.14	-	41.17	27.44	4.38	-
AV	2.4856G	50.63	54.00	-3.37	31.82	3	Vertical	309	1.14	-	18.81	27.43	4.39	-
PK	2.4796G	74.52	Inf	-Inf	31.82	3	Vertical	309	1.14	-	42.70	27.44	4.38	-
PK	2.4894G	60.74	74.00	-13.26	31.81	3	Vertical	309	1.14	-	28.93	27.42	4.39	-

BT-LE(2Mbps)

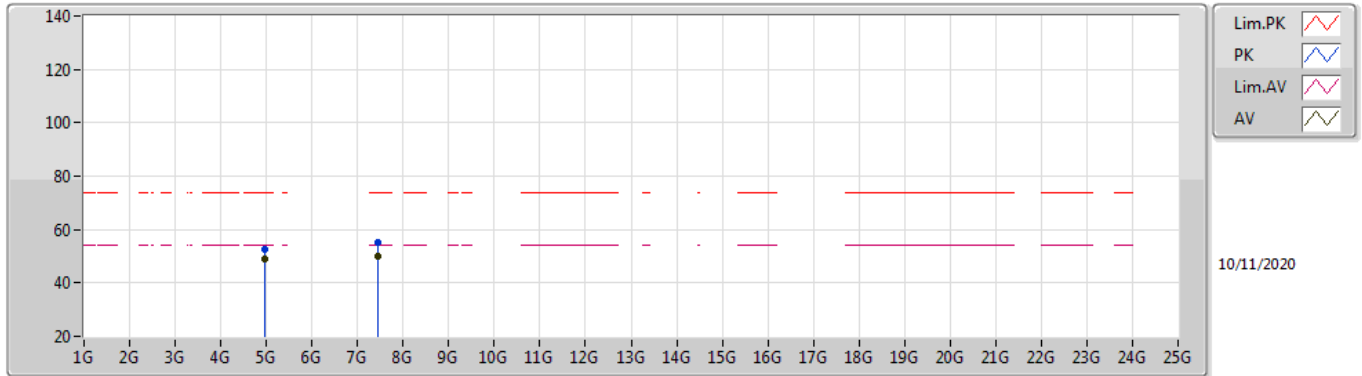
2480MHz_TX



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	88.57	Inf	-Inf	31.82	3	Horizontal	69	1.00	-	56.75	27.44	4.38	-
AV	2.4836G	51.23	54.00	-2.77	31.81	3	Horizontal	69	1.00	-	19.42	27.43	4.38	-
PK	2.4806G	89.30	Inf	-Inf	31.82	3	Horizontal	69	1.00	-	57.48	27.44	4.38	-
PK	2.4836G	66.18	74.00	-7.82	31.81	3	Horizontal	69	1.00	-	34.37	27.43	4.38	-

BT-LE(2Mbps)

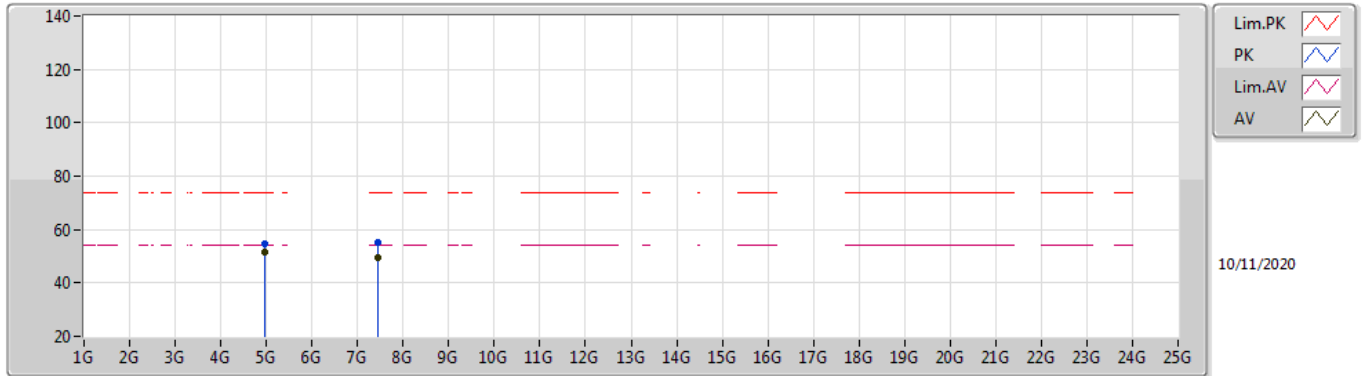
2480MHz_TX



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	4.9602G	48.92	54.00	-5.08	8.68	3	Vertical	47	1.37	-	40.24	31.20	6.66	29.18
AV	7.44022G	50.05	54.00	-3.95	13.62	3	Vertical	227	1.17	-	36.43	36.24	7.64	30.26
PK	4.96G	52.62	74.00	-21.38	8.68	3	Vertical	47	1.37	-	43.94	31.20	6.66	29.18
PK	7.43884G	55.32	74.00	-18.68	13.61	3	Vertical	227	1.17	-	41.71	36.23	7.64	30.26

BT-LE(2Mbps)

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	4.96012G	51.30	54.00	-2.70	8.68	3	Horizontal	162	1.26	-	42.62	31.20	6.66	29.18
AV	7.44012G	49.63	54.00	-4.37	13.62	3	Horizontal	88	2.17	-	36.01	36.24	7.64	30.26
PK	4.95928G	54.43	74.00	-19.57	8.68	3	Horizontal	162	1.26	-	45.75	31.20	6.66	29.18
PK	7.44162G	55.24	74.00	-18.76	13.63	3	Horizontal	88	2.17	-	41.61	36.25	7.64	30.26