FCC Test Report

Equipment	:	**Wireless camera**
Brand Name	:	**Alarm.com**
Model No.	:	**ADC-V622**
FCC ID	:	**PPQ-143V622PT**
Standard	:	**47 CFR FCC Part 15.247**
Operating Band	:	**2400 MHz – 2483.5 MHz**
Function	:	**☒Point-to-multipoint; ☐Point-to-point**
Applicant	:	**LITE-ON Technology Corp. Bldg. C, 90, Chien 1 Rd., Chung-Ho, New Taipei City, 23585 Taiwan**
Manufacturer	:	**Lite-On Network Communication (Dongguan) Limited 30#Keji Rd.,Yin Hu Industrial Area,Qingxi Town,DongGuan City,Guangdong,China**

The product sample received on Sep. 12, 2017 and completely tested on Jan. 04, 2018. We, SPORTON, 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 INTERNATIONALINC., the test report shall not be reproduced except in full.

Phoenix Chen / Assistant Manager

Testing Laboratory 1190

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Summary of Test Result

Conformance Test Specifications				
Report Clause	**Ref. Std. Clause**	**Description**	**Limit**	**Result**
1.1.2	15.203	Antenna Requirement	FCC 15.203	Complied
3.1	15.207	AC Power-line Conducted Emissions	FCC 15.207	Complied
3.2	15.247(a)	20dB Bandwidth	15.247(a)	Complied
3.2	15.247(a)	Carrier Frequency Separation	15.247(a)	Complied
3.3	15.247(b)	Maximum Conducted Output Power	15.247(b)	Complied
3.4	15.247(a)	Number of Hopping Frequencies and Hopping Bandedge	15.247(a)	Complied
3.5	15.247(a)	Time of Occupancy (Dwell Time)	15.247(a)	Complied
3.6	15.247(d)	Emissions in Non-restricted Frequency Bands	15.247(d)	Complied
3.7	15.247(d)	Emissions in Restricted Frequency Bands	Restricted Bands: FCC 15.209	Complied

Revision History

Report No.	Version	Description	Issued Date
FR791315AD	Rev. 01	Initial issue of report	Jan. 24, 2018

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	Bluetooth Version	Ch. Frequency (MHz)	Channel Number
2400-2483.5	BR / EDR	2402-2480	0-78 [79]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	BT-BR(1Mbps)	1	1TX
2.4-2.4835GHz	BT-EDR(2Mbps)	1	1TX
2.4-2.4835GHz	BT-EDR(3Mbps)	1	1TX

Note:
- Bluetooth BR uses a GFSK (1Mbps).
- Bluetooth EDR uses a combination of π/4-DQPSK (2Mbps) and 8DPSK (3Mbps).
- Bluetooth BR/EDR uses as a system using FHSS modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector
1	1	LYNwave	ALX17P-222XX1-00	embedded antenna	I-PEX
2	2	LYNwave	ALX17P-222XX2-00	embedded antenna	I-PEX

Ant.	Gain (dBi)		
	2.4G	5G	BT
1	2.66	4.68	2.66
2	2.12	4.76	2.12

Note 1: The EUT has two antennas.

For 2.4GHz function:
For IEEE 802.11 b/g mode (1TX/1RX)
Support diversity function and pre-tested on each single chain, the worst case was Ant. 1(port 1) and it was record in this test report.
For IEEE 802.11 n mode (2TX/2RX)
Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

For BT function:
For IEEE 802.15.1 Bluetooth mode (1TX/1RX)
Support diversity function, the Ant. 1 (port 1) was declared to be tested only by customer.

For 5GHz function:
For IEEE 802.11 a mode (1TX/1RX)
Support diversity function and pre-tested on each single chain, the worst case was Ant. 2(port 2) and it was record in this test report.
For IEEE 802.11 n mode (2TX/2RX)
Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter		
RF Chip Model No.	AMPAK 62X2		
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-BR(1Mbps)	0.755	1.221	2.916m	1k
BT-EDR(2Mbps)	0.792	1.013	2.919m	1k
BT-EDR(3Mbps)	0.783	1.062	2.921m	1k

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
- Public Notice DA 00-705
- ANSI C63.10-2013

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.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Tim	22.5°C / 61%	04/Jan/2018
Radiated	03CH09-HY	Jerry	23.5°C / 55%	04/Jan/2018
AC Conduction	CO04-HY	Bear	24.5°C / 56%	12/Dec/2017

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)	3.6 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	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	Dos

Mode	Power Setting
BT-BR(1Mbps)	-
2402MHz	default
2441MHz	default
2480MHz	default
BT-EDR(2Mbps)	-
2402MHz	default
2441MHz	default
2480MHz	default
BT-EDR(3Mbps)	-
2402MHz	default
2441MHz	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	20dB Bandwidth Carrier Frequency Separation Maximum Conducted Output Power Number of Hopping Frequencies Hopping Bandedge Time of Occupancy (Dwell Time) 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	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT			V

2.4 Accessories

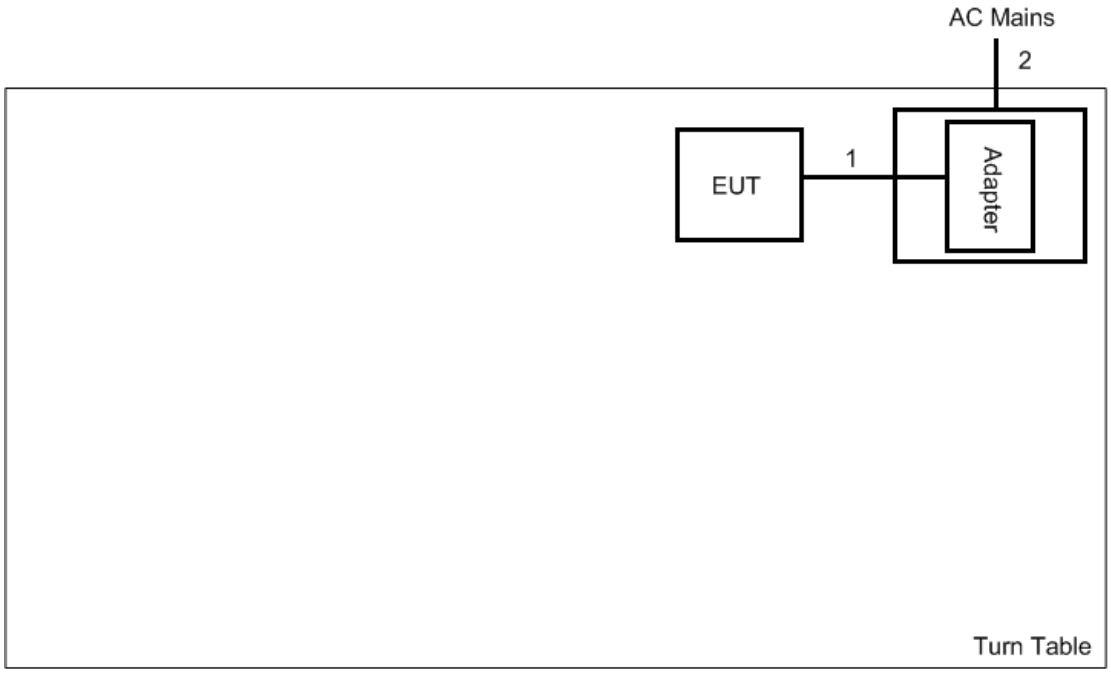
Accessories				
AC Adapter	Brand Name	Asian	Model Name	WA-12M12R
	Power Rating	I/P: 100-240Vac, 50-60Hz, 0.5A, O/P: 12Vdc, 1A		
	Power Cord	2.6 meter, non-shielded cable, w/o ferrite core		

2.5 Support Equipment

Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5410	DoC
2	Adapter for Notebook	DELL	HA65NM130	DoC

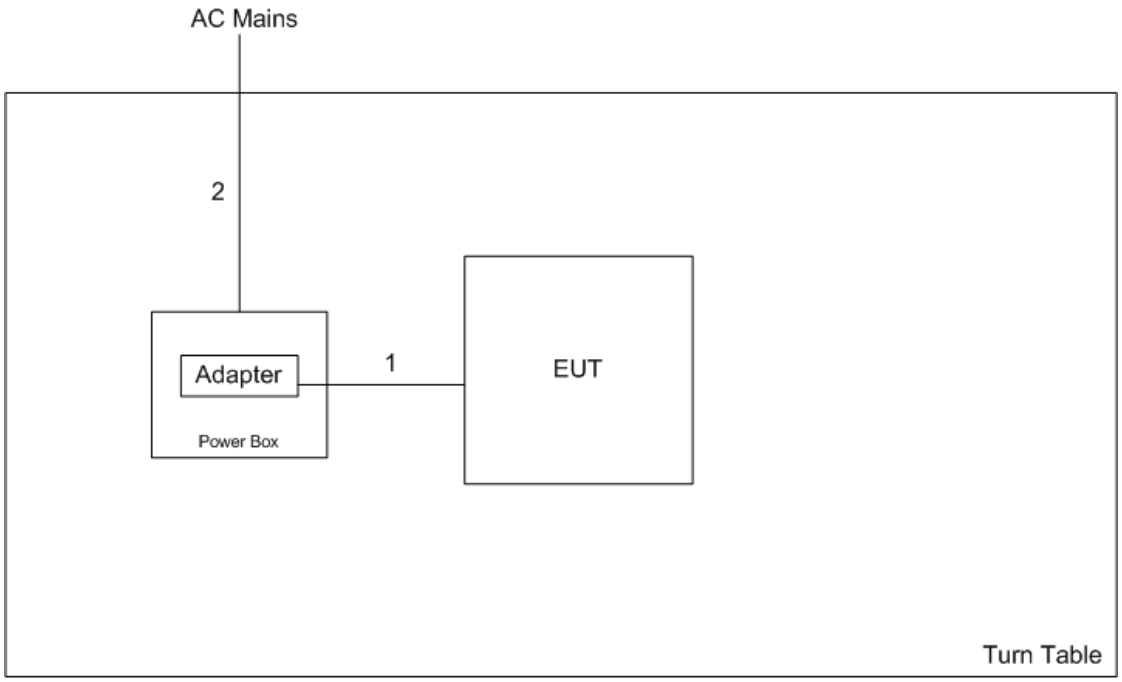
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	DC Power cable	No	2.6m
2	AC Power cable	No	1.8m

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	DC Power cable	No	2.6m
2	AC Power cable	No	1.8m

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

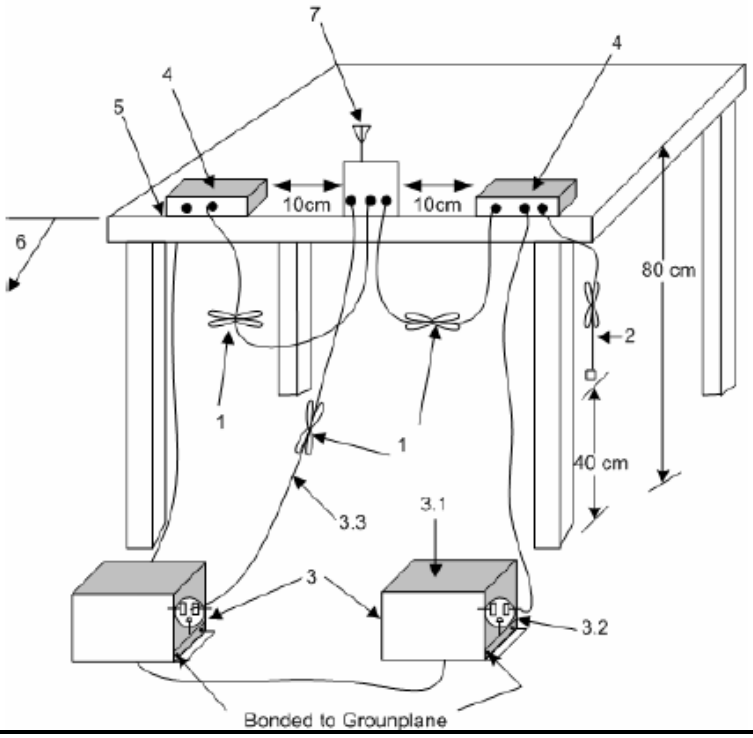
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 20dB Bandwidth and Carrier Frequency Separation

3.2.1 20dB Bandwidth and Carrier Frequency Separation Limit

20dB Bandwidth and Carrier Frequency Separation Limit for Frequency Hopping Systems	
▪ 902-928 MHz Band:	
	▪ N ≥50 and ChS ≥ MAX (20 dB bandwidth, 25 kHz); 20 dB bandwidth≤ 250 kHz.
	▪ 50 >N≥25 and ChS ≥ MAX (20 dB bandwidth, 25 kHz); 20 dB bandwidth>250 kHz.
▪ 2400-2483.5 MHz Band:	
	▪ N ≥75 and ChS ≥ MAX (20 dB bandwidth, 25 kHz).
	▪ 75>N ≥ 15 and ChS ≥ MAX (20 dB bandwidth 2/3,25 kHz).
▪ 5725-5850 MHz Band:	
	▪ N ≥ 75 and ChS ≥ MAX (20 dB bandwidth, 25 kHz); 20 dB bandwidth≤ 1 MHz.
N:Number of Hopping Frequencies; **ChS**: Hopping Channel Separation	

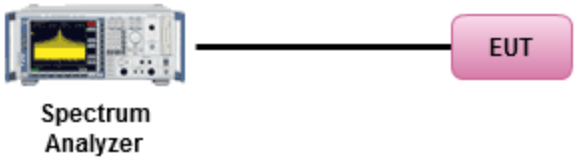
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2013, clause 6.9.2 for 20 dB bandwidth measurement.
▪ Refer as ANSI C63.10-2013, clause 7.8.2 for carrier frequency separation measurement.

3.2.4 Test Setup

20dB Bandwidth and Carrier Frequency Separation
 Spectrum Analyzer

3.2.5 Test Result of 20dB Bandwidth

Refer as Appendix B

3.2.6 Test Result of Carrier Frequency Separation

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
▪ 902-928 MHz Band:	
	▪ N ≥50; Power 30dBm; EIRP 36dBm
	▪ 50 >N≥ 25; Power 24dBm; EIRP 30dBm
▪ 2400-2483.5 MHz Band:	
	▪ N ≥ 75; Power 30dBm; EIRP 36dBm
	▪ 75 >N ≥ 15; Power 21dBm; EIRP 27dBm
▪ 5725-5850 MHz Band:	
	▪ N ≥ 75; Power 30dBm; EIRP 36dBm
N:Number of Hopping Frequencies	

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2013, clause 7.8.5 for output power measurement.

3.3.4 Test Setup

Maximum Conducted Output Power (Peak Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Number of Hopping Frequencies and Hopping Bandedge

3.4.1 Number of Hopping Frequencies Limit

Number of Hopping Frequencies Limit	
▪ 902-928 MHz Band:	
	▪ N ≥50 and ChS ≥ MAX (20 dB bandwidth, 25 kHz); 20 dB bandwidth≤ 250 kHz.
	▪ 50 >N≥ 25 and ChS ≥ MAX (20 dB bandwidth, 25 kHz); 20 dB bandwidth>250 kHz.
▪ 2400-2483.5 MHz Band:	
	▪ N ≥ 75 and ChS ≥ MAX (20 dB bandwidth, 25 kHz).
	▪ 75 >N ≥ 15 and ChS ≥ MAX (20 dB bandwidth 2/3,25 kHz).
▪ 5725-5850 MHz Band:	
	▪ N ≥ 75 and ChS ≥ MAX (20 dB bandwidth, 25 kHz); 20 dB bandwidth≤ 1 MHz.
N:Number of Hopping Frequencies; **ChS** : Hopping Channel Separation	

3.4.2 Hopping Bandedge Limit

Refer clause 3.6.1 and clause 3.7.1

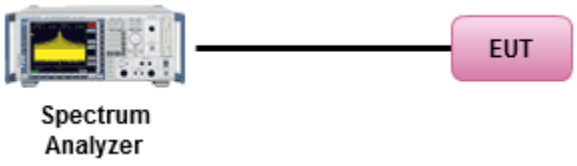
3.4.3 Measuring Instruments

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

3.4.4 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2013, clause 7.8.3 for number of hopping frequencies measurement.
▪ Refer as ANSI C63.10-2013, clause 7.8.6 for hopping frequencies Bandedge measurement.

3.4.5 Test Setup

Number of Hopping Frequencies and Hopping Frequencies Bandedge


3.4.6 Test Result of Number of Hopping Frequencies

Refer as Appendix D

3.4.7 Test Result of Number of Hopping Frequencies Bandedge

Refer as Appendix D

3.5 Time of Occupancy (Dwell Time)

3.5.1 Time of Occupancy (Dwell Time) Limit

Time of Occupancy (Dwell Time) Limit for Frequency Hopping Systems
▪ 902-928 MHz Band:
▪ N ≥50; 0.4s in 20s period
▪ 50 >N≥ 25; 0.4s in 10s period
▪ 2400-2483.5 MHz Band:
▪ N ≥ 75; 0.4s in N x 0.4 period
▪ 75 >N ≥ 15; 0.4s in N x 0.4 period
▪ 5725-5850 MHz Band:
▪ N ≥ 75; 0.4s in 30s period
N:Number of Hopping Frequencies

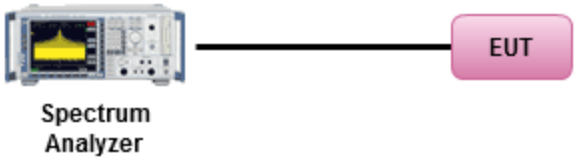
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2013, clause 7.8.4 for dwell time measurement.
▪ Bluetooth ACL packets can be 1, 3, or 5 time slots. Following as dwell time. Operate DH5 at maximum dwell time and maximum duty cycle.
▪ The DH5 packet can cover up to 5 time slots. Operate DH5 at maximum dwell time and maximum duty cycle. A maximum length packet has duration of 5 time slots. The hopping rate is 1600 hops/second so the maximum dwell time is 5/1600 seconds, or 3.125ms.DH5 Packet permit maximum 1600/ 79 / 6 = 3.37 hops per second in each channel.

3.5.4 Test Setup

Time of Occupancy (Dwell Time)


3.5.5 Test Result of Time of Occupancy (Dwell Time)

Refer as Appendix E

3.6 Emissions in Non-restricted Frequency Bands

3.6.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	**Limit (dB)**
Peak output power procedure	20
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 PSD level.	

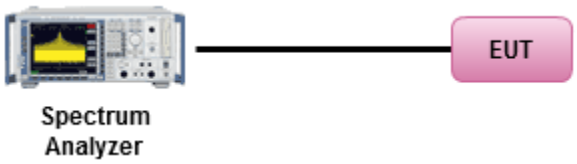
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2013, clause 7.8.8 for unwanted emissions into non-restricted bands.

3.6.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.6.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix F

3.7 Emissions in Restricted Frequency Bands

3.7.1 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 below30 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.

3.7.2 Measuring Instruments

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

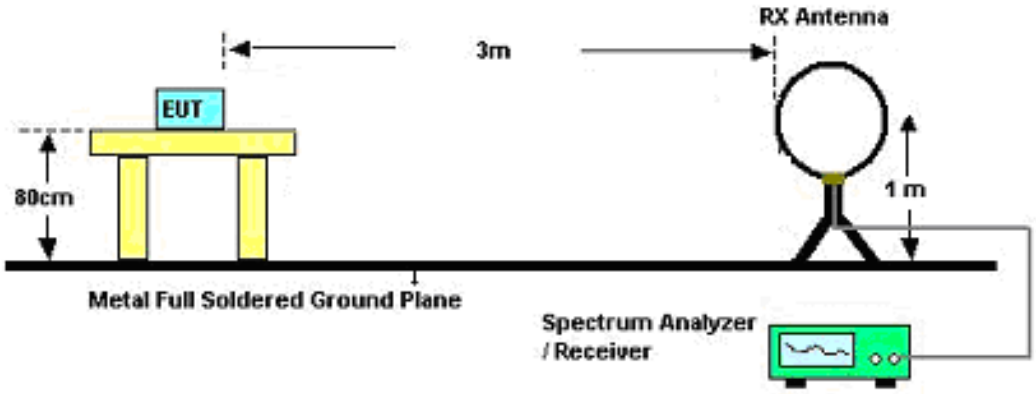
3.7.3 Test Procedures

Test Method	
▪ The average emission levels shall be measured in [hopping duty factor].	
▪ Refer as ANSI C63.10; clause 6.9.2.2 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 ANSI C63.10, clause 4.1.4.2.1 QP value.
	▪ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak.
	▪ Refer as ANSI C63.10, clause 4.1.4.2.4 average value of hopping pulsed emissions.

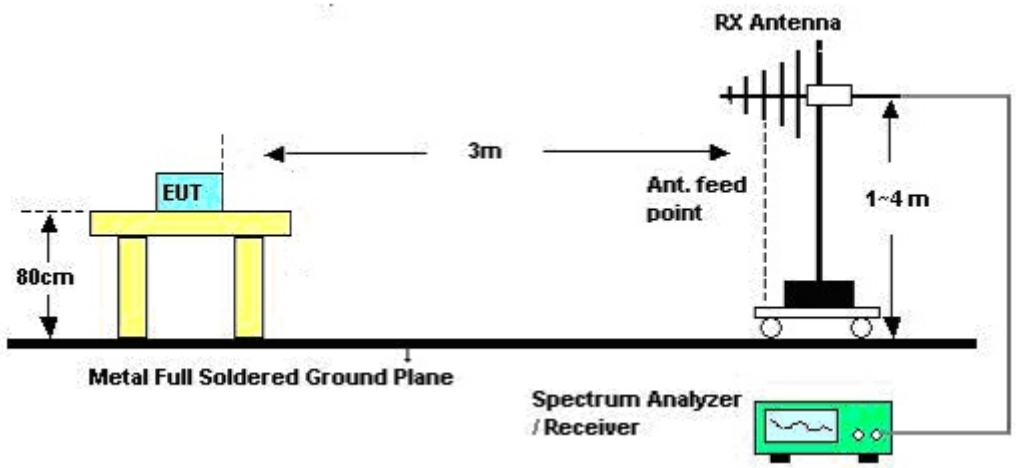
3.7.4 Test Setup

Emissions in Restricted Frequency Bands

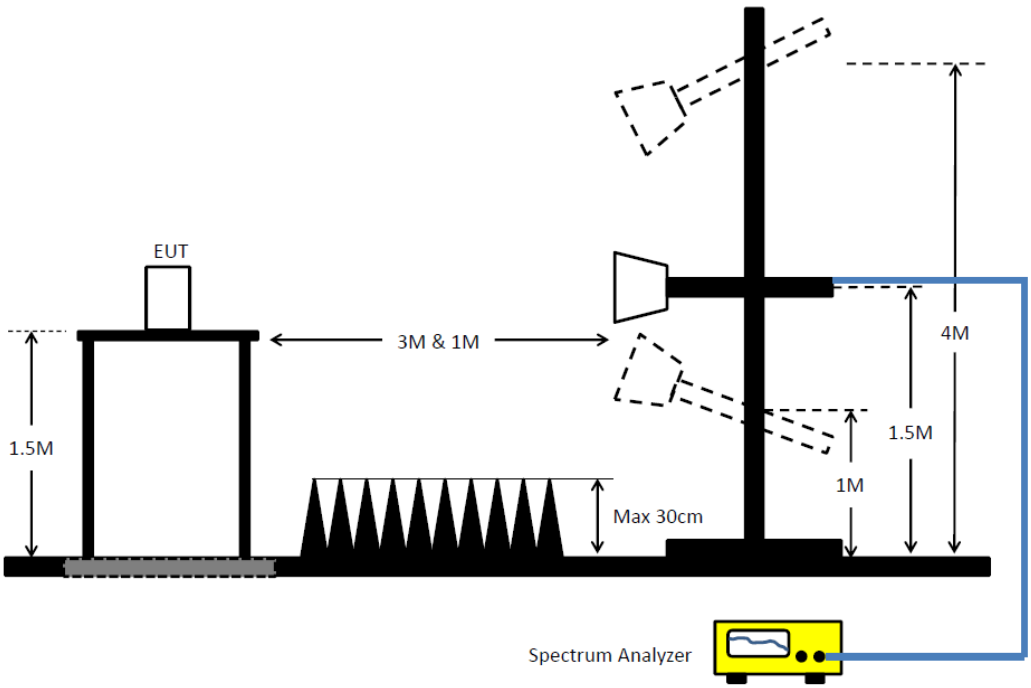
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.7.5 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.

3.7.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix G

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9KHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	06/Oct/2017	05/Oct/2018
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Puls e Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2017	11/Oct/2018
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	17/Nov/2017	16/Nov/2018

NCR : Non-Calibration Require

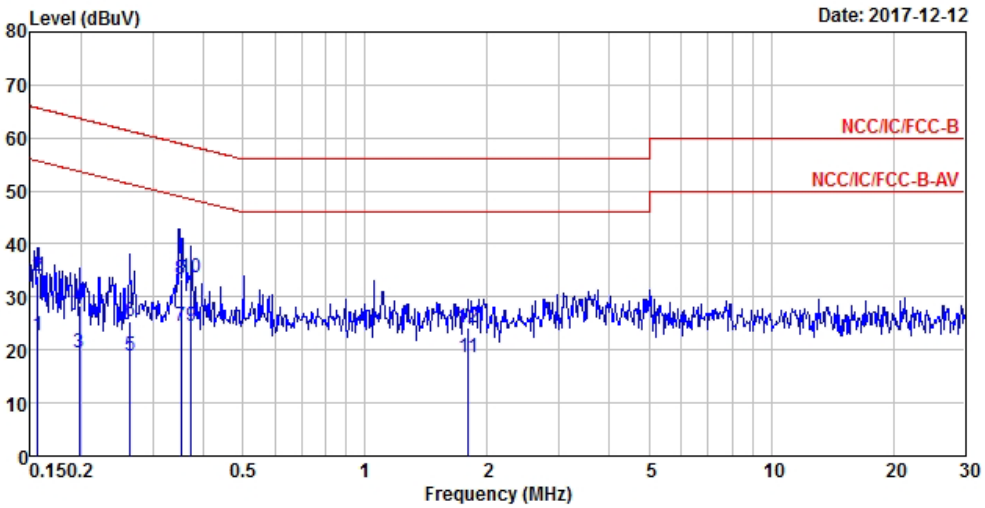
Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz	25/Apr/2017	24/Apr/2018
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	28/Jun/2017	27/Jun/2018
Amplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	25/Apr/2017	24/Apr/2018
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	25/Apr/2017	24/Apr/2018
Spectrum Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	20/Jul/2017	19/Jul/2018
Bilog Antenna	TESEQ	CBL 6111D	35418	30MHz~1GHz	09/Sep/2017	08/Sep/2018
Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA9120D 1534	1GHz~18GHz	28/Apr/2017	27/Apr/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170614	18GHz ~ 40GHz	06/Feb/2017	05/Feb/2018
Loop Antenna	TESTQ	HLA 6120	31244	9 kHz~30 MHz	02/Mar/2017	01/Mar/2018
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	02/Feb/2017	01/Feb/2018
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	02/Feb/2017	01/Feb/2018
Receiver	R&S	ESR3	102052	9KHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101515	9kHz~40GHz	08/Dec/2017	07/Dec/2018
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	27/Jul/2017	26/Jul/2018
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	10/Feb/2017	09/Feb/2018
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	10/Feb/2017	09/Feb/2018
RF Cable-1.5m	HUBER+SUHNER	SUCOFLEX_104	MY12582/4	30MHz~26.5GHz	25/Aug/2017	24/Aug/2018

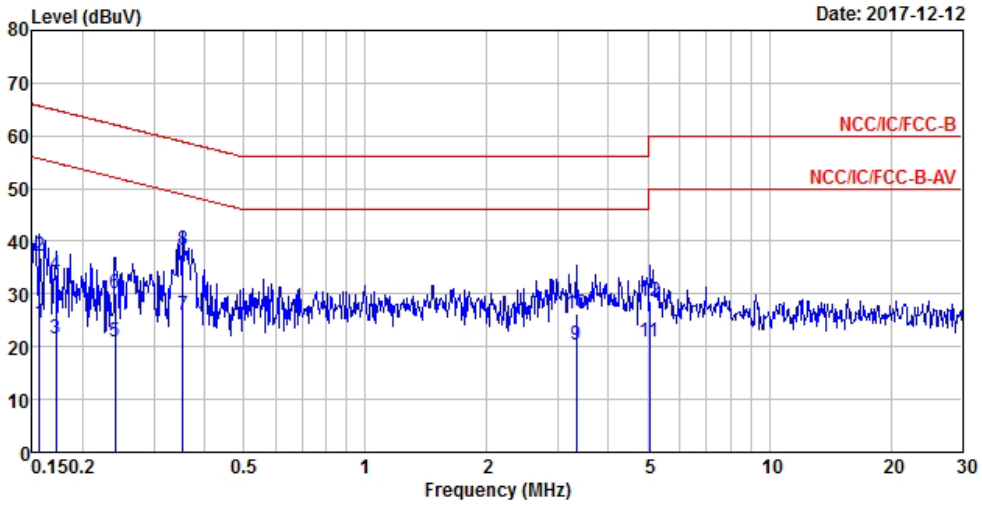
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Adapter mode		



		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.1565	22.83	-32.82	55.65	13.16	9.63	0.04	Average
2		0.1565	33.90	-31.75	65.65	24.23	9.63	0.04	QP
3		0.1976	19.62	-34.09	53.71	10.00	9.62	0.00	Average
4		0.1976	28.37	-35.34	63.71	18.75	9.62	0.00	QP
5		0.2644	18.98	-32.31	51.29	9.32	9.62	0.04	Average
6		0.2644	25.30	-35.99	61.29	15.64	9.62	0.04	QP
7		0.3522	24.58	-24.33	48.91	14.89	9.61	0.08	Average
8		0.3522	33.33	-25.58	58.91	23.64	9.61	0.08	QP
9	MAX	0.3731	24.63	-23.80	48.43	14.93	9.61	0.09	Average
10		0.3731	33.51	-24.92	58.43	23.81	9.61	0.09	QP
11		1.8000	18.70	-27.30	46.00	9.07	9.63	0.00	Average
12		1.8000	24.23	-31.77	56.00	14.60	9.63	0.00	QP

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	Adapter mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1565	24.37	-31.28	55.65	14.71	9.62	0.04	Average
2	0.1565	37.09	-28.56	65.65	27.43	9.62	0.04	QP
3	0.1712	21.43	-33.47	54.90	11.79	9.62	0.02	Average
4	0.1712	33.78	-31.12	64.90	24.14	9.62	0.02	QP
5	0.2404	21.02	-31.06	52.08	11.37	9.62	0.03	Average
6	0.2404	30.05	-32.03	62.08	20.40	9.62	0.03	QP
7	0.3539	25.84	-23.03	48.87	16.15	9.61	0.08	Average
8 MAX	0.3539	38.27	-20.60	58.87	28.58	9.61	0.08	QP
9	3.3281	20.35	-25.65	46.00	10.66	9.63	0.06	Average
10	3.3281	26.38	-29.62	56.00	16.69	9.63	0.06	QP
11	5.0580	20.97	-29.03	50.00	11.21	9.64	0.12	Average
12	5.0580	28.55	-31.45	60.00	18.79	9.64	0.12	QP

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-BR(1Mbps)	943.75k	879.56k	880KF1D	937.5k	874.563k
BT-EDR(2Mbps)	1.316M	1.214M	1M21G1D	1.31M	1.211M
BT-EDR(3Mbps)	1.306M	1.221M	1M22G1D	1.274M	1.209M

Max-N dB = Maximum 20dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 20dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

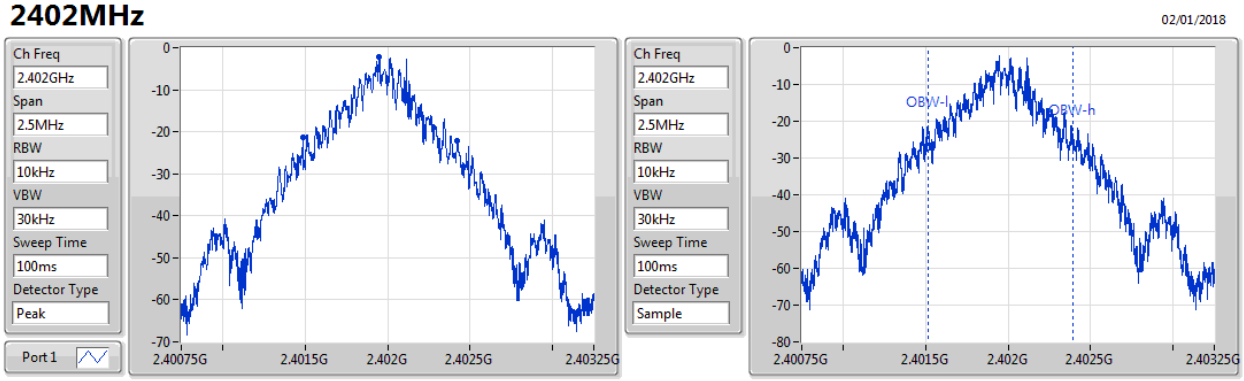
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	Inf	937.5k	874.563k
2441MHz_TnomVnom	Pass	Inf	938.75k	878.311k
2480MHz_TnomVnom	Pass	Inf	943.75k	879.56k
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	Inf	1.311M	1.211M
2441MHz_TnomVnom	Pass	Inf	1.31M	1.214M
2480MHz_TnomVnom	Pass	Inf	1.316M	1.214M
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	Inf	1.274M	1.209M
2441MHz_TnomVnom	Pass	Inf	1.306M	1.216M
2480MHz_TnomVnom	Pass	Inf	1.284M	1.221M

Port X-N dB = Port **X** 20dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

BT-BR(1Mbps) **EBW**

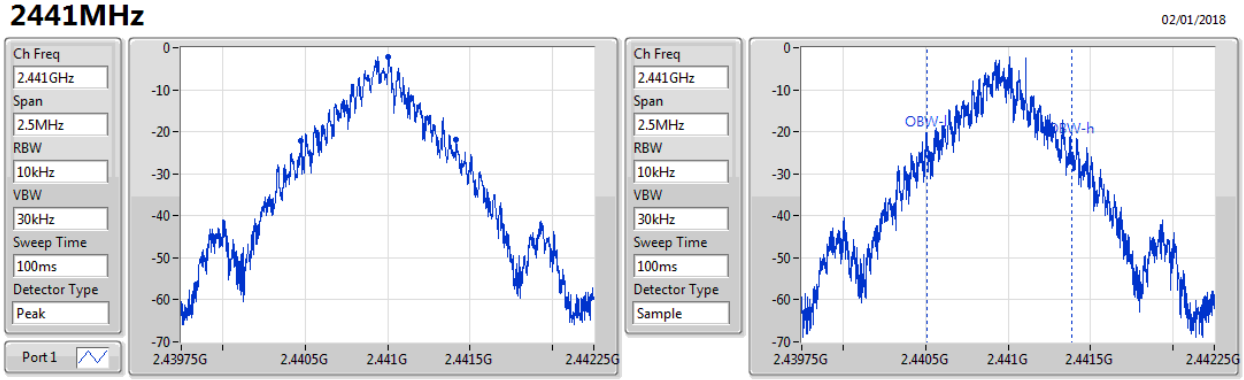
2402MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
937.5k	2.401485G	2.402423G	874.563k	2.401516G	2.402391G	Inf	1

BT-BR(1Mbps) **EBW**

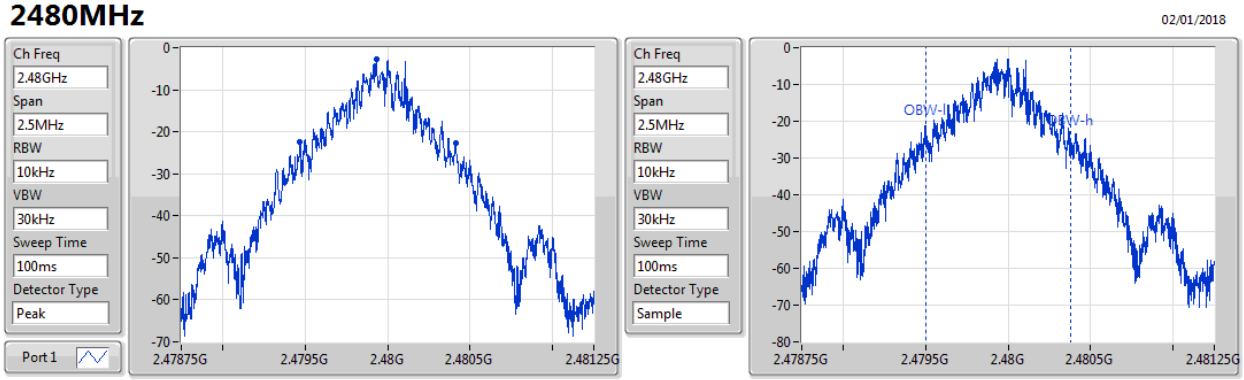
2441MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
938.75k	2.440478G	2.441416G	878.311k	2.440508G	2.441386G	Inf	1

BT-BR(1Mbps) **EBW**

2480MHz

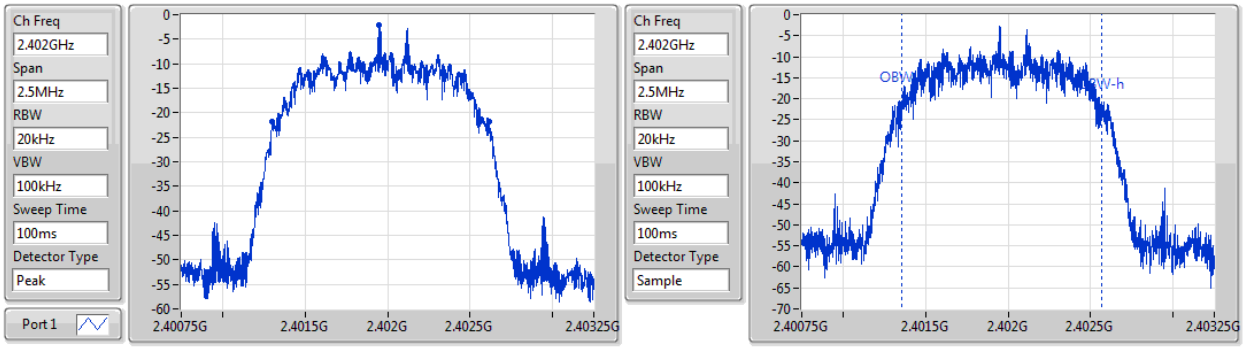


20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
943.75k	2.479468G	2.480411G	879.56k	2.479499G	2.480379G	Inf	1

BT-EDR(2Mbps) **EBW**

2402MHz

02/01/2018

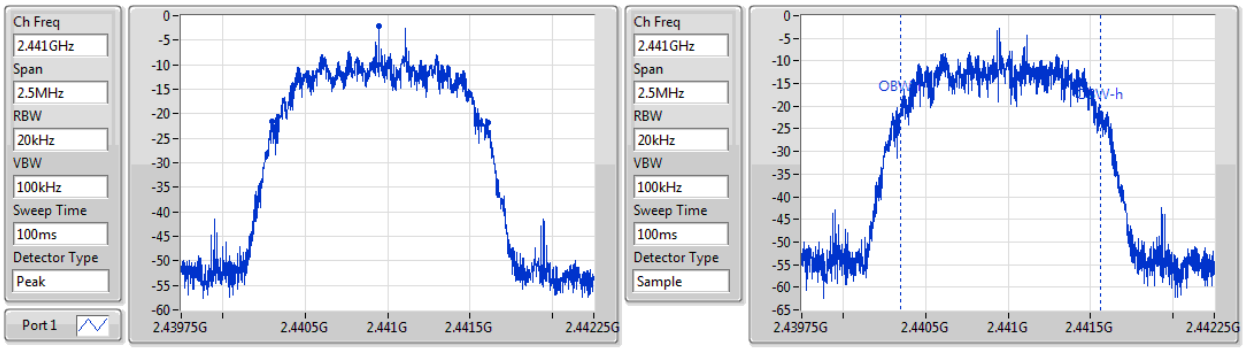


20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.311M	2.401303G	2.402614G	1.211M	2.401355G	2.402566G	Inf	1

BT-EDR(2Mbps) **EBW**

2441MHz

02/01/2018

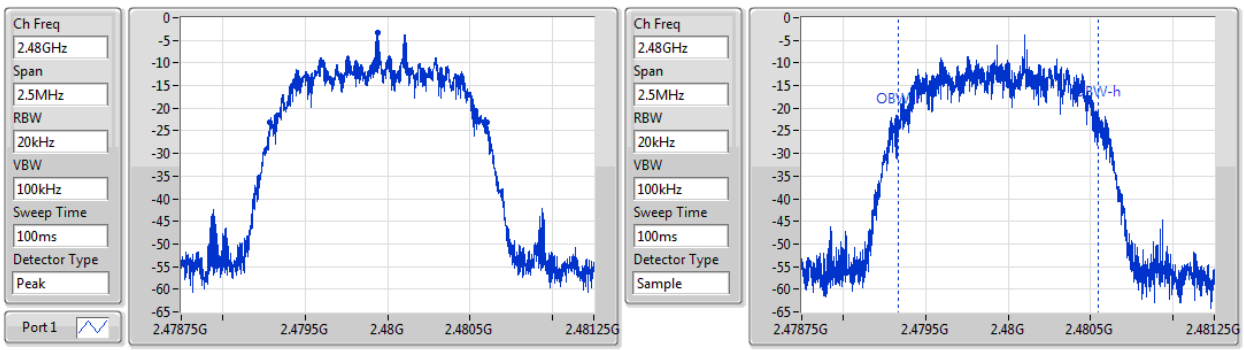


20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.31M	2.440298G	2.441608G	1.214M	2.440347G	2.441561G	Inf	1

BT-EDR(2Mbps) **EBW**

2480MHz

02/01/2018

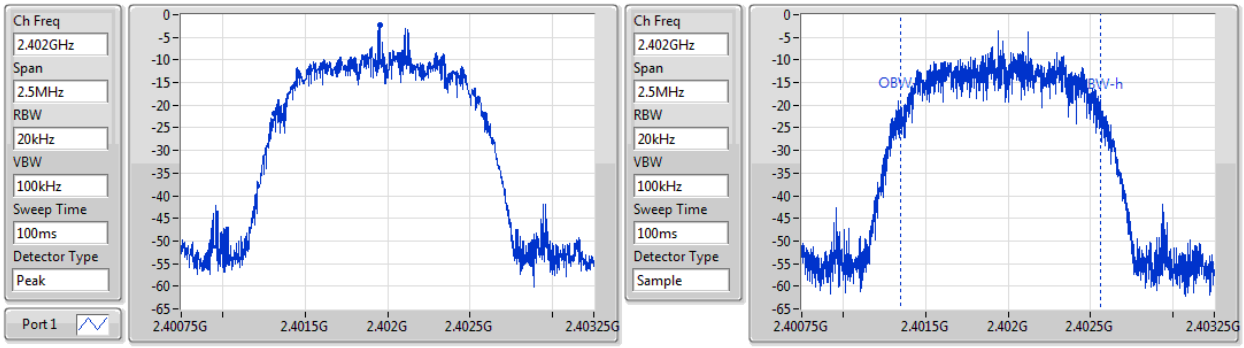


20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.316M	2.479286G	2.480603G	1.214M	2.479334G	2.480548G	Inf	1

BT-EDR(3Mbps) **EBW**

2402MHz

02/01/2018

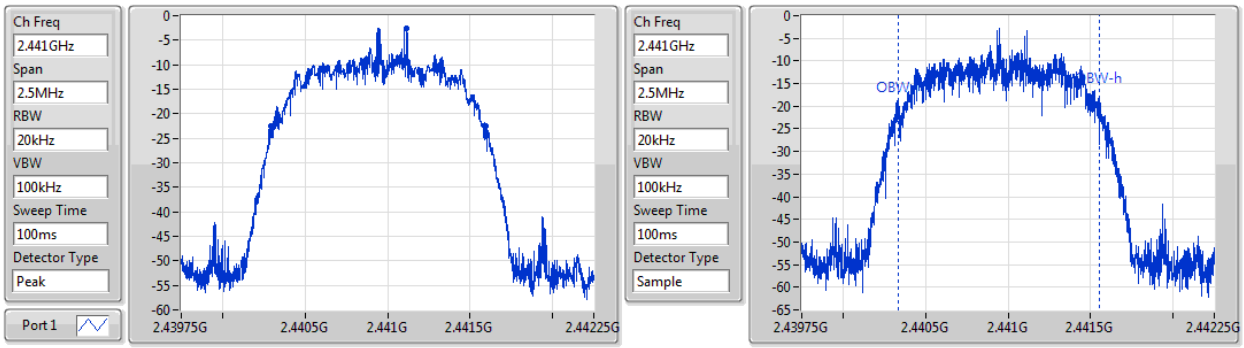


20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.274M	2.401315G	2.402589G	1.209M	2.401349G	2.402558G	Inf	1

BT-EDR(3Mbps) **EBW**

2441MHz

02/01/2018

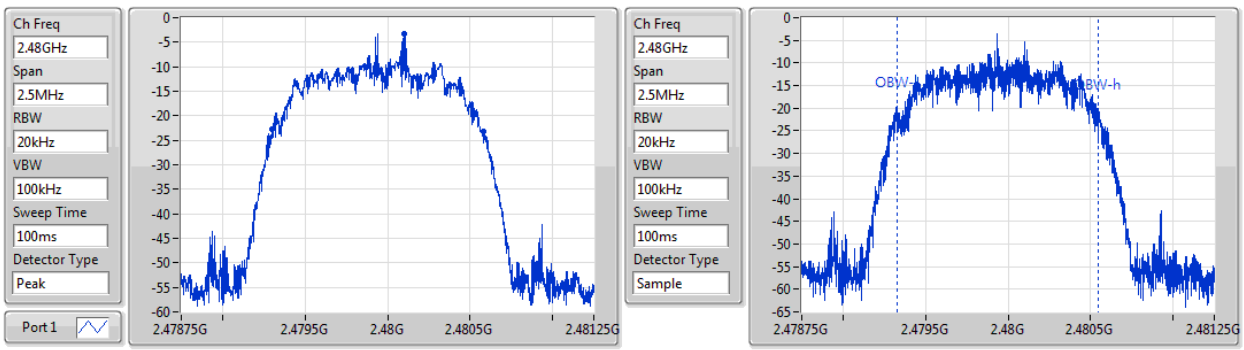


20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.306M	2.44029G	2.441596G	1.216M	2.440337G	2.441552G	Inf	1

BT-EDR(3Mbps) **EBW**

2480MHz

02/01/2018



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.284M	2.4793G	2.480584G	1.221M	2.479325G	2.480546G	Inf	1

Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	1.0005M	999k
BT-EDR(2Mbps)	1.002M	1.0005M
BT-EDR(3Mbps)	1.0005M	999k

Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.401953G	2.402952G	999k	624.375k
2441MHz_TnomVnom	Pass	2.440945G	2.441946G	1.0005M	625.2075k
2480MHz_TnomVnom	Pass	2.478939G	2.479938G	999k	628.5375k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.401951G	2.402953G	1.002M	873.126k
2441MHz_TnomVnom	Pass	2.440944G	2.441944G	1.0005M	872.46k
2480MHz_TnomVnom	Pass	2.478938G	2.479938G	1.0005M	876.456k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.401953G	2.402952G	999k	848.484k
2441MHz_TnomVnom	Pass	2.440945G	2.441944G	999k	869.796k
2480MHz_TnomVnom	Pass	2.478938G	2.479938G	1.0005M	855.144k

BT-BR(1Mbps) **Channel Separation**

2.402G/2.403GHz

Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.401953G	2.402952G	999k	624.375k

BT-BR(1Mbps) **Channel Separation**

2.441G/2.442GHz

Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.440945G	2.441946G	1.0005M	625.2075k

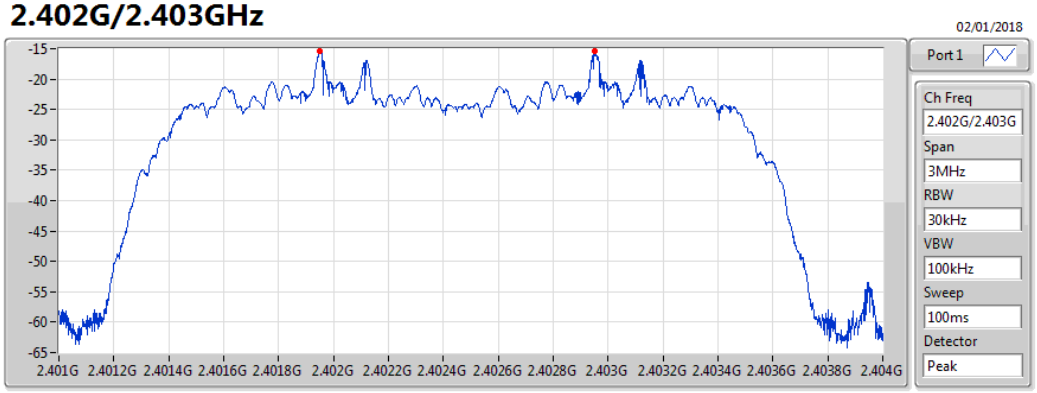
BT-BR(1Mbps) **Channel Separation**

2.48G/2.479GHz

Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.478939G	2.479938G	999k	628.5375k

BT-EDR(2Mbps) **Channel Separation**

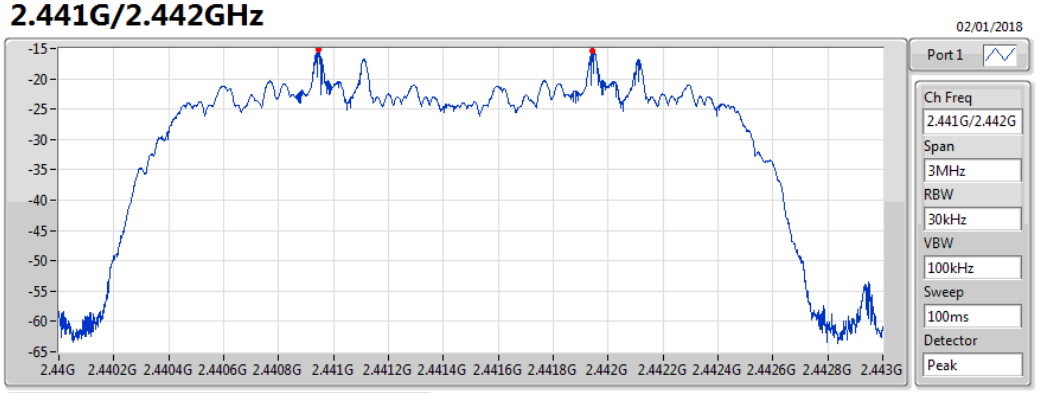
2.402G/2.403GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.401951G	2.402953G	1.002M	873.126k

BT-EDR(2Mbps) **Channel Separation**

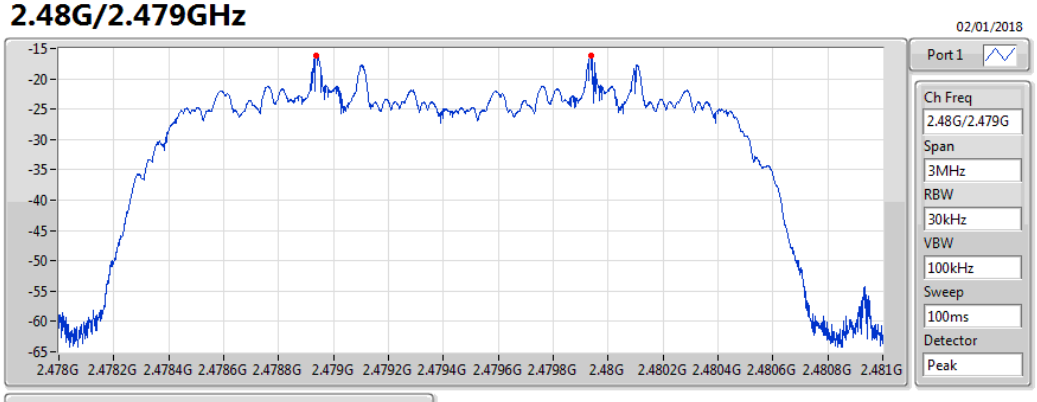
2.441G/2.442GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.440944G	2.441944G	1.0005M	872.46k

BT-EDR(2Mbps) **Channel Separation**

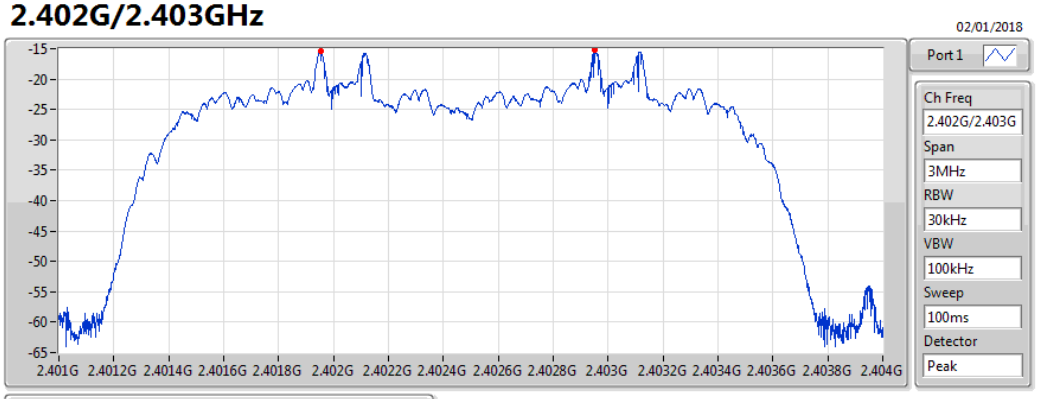
2.48G/2.479GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.478938G	2.479938G	1.0005M	876.456k

BT-EDR(3Mbps) **Channel Separation**

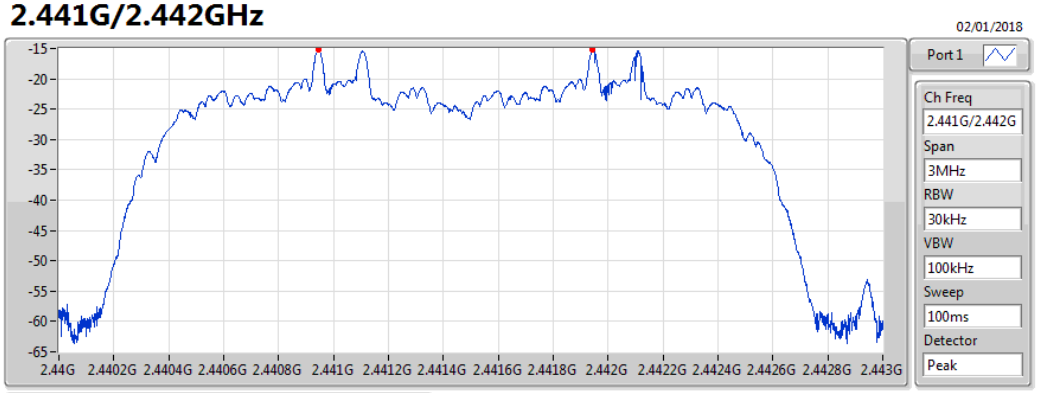
2.402G/2.403GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.401953G	2.402952G	999k	848.484k

BT-EDR(3Mbps) **Channel Separation**

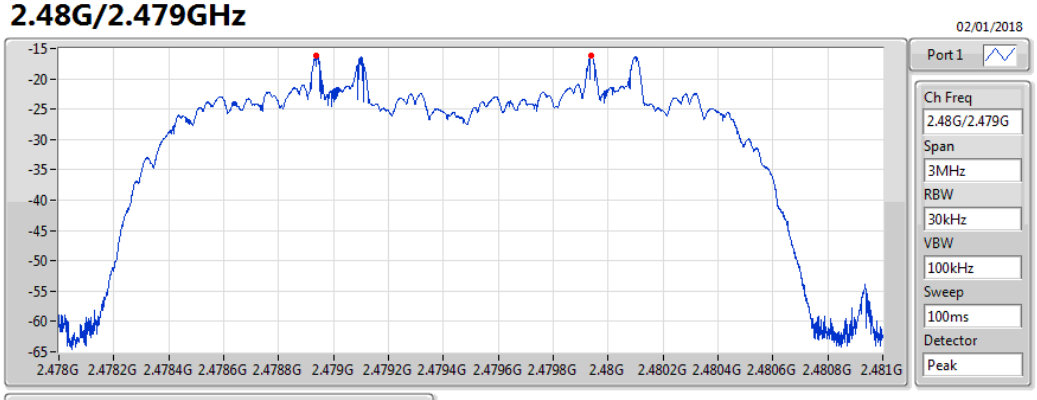
2.441G/2.442GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.440945G	2.441944G	999k	869.796k

BT-EDR(3Mbps) **Channel Separation**

2.48G/2.479GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.478938G	2.479938G	1.0005M	855.144k

Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	4.82	0.00303
BT-EDR(2Mbps)	3.97	0.00249
BT-EDR(3Mbps)	4.48	0.00281

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	2.66	4.57	21.00
2441MHz_TnomVnom	Pass	2.66	4.82	21.00
2480MHz_TnomVnom	Pass	2.66	4.14	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	2.66	3.85	21.00
2441MHz_TnomVnom	Pass	2.66	3.97	21.00
2480MHz_TnomVnom	Pass	2.66	3.13	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	2.66	4.19	21.00
2441MHz_TnomVnom	Pass	2.66	4.48	21.00
2480MHz_TnomVnom	Pass	2.66	3.56	21.00

Summary

Mode	Power	Power
	(dBm)	(W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	4.42	0.00277
BT-EDR(2Mbps)	1.37	0.00137
BT-EDR(3Mbps)	1.48	0.00141

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	2.66	4.18	21.00
2441MHz_TnomVnom	Pass	2.66	4.42	21.00
2480MHz_TnomVnom	Pass	2.66	3.74	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	2.66	1.21	21.00
2441MHz_TnomVnom	Pass	2.66	1.37	21.00
2480MHz_TnomVnom	Pass	2.66	0.48	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	2.66	1.21	21.00
2441MHz_TnomVnom	Pass	2.66	1.48	21.00
2480MHz_TnomVnom	Pass	2.66	0.46	21.00

Summary

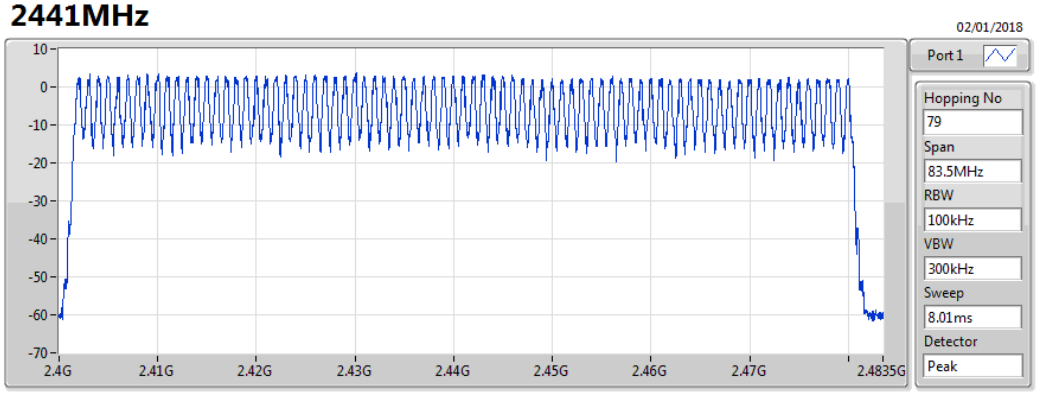
Mode	Max-Hop No
2.4-2.4835GHz	-
BT-BR(1Mbps)	79
BT-EDR(2Mbps)	79
BT-EDR(3Mbps)	79

Result

Mode	Result	Hopping No	Limit
BT-BR(1Mbps)	-	-	-
2441MHz_TnomVnom	Pass	79	15
BT-EDR(2Mbps)	-	-	-
2441MHz_TnomVnom	Pass	79	15
BT-EDR(3Mbps)	-	-	-
2441MHz_TnomVnom	Pass	79	15

BT-BR(1Mbps) **Hopping Ch**

2441MHz

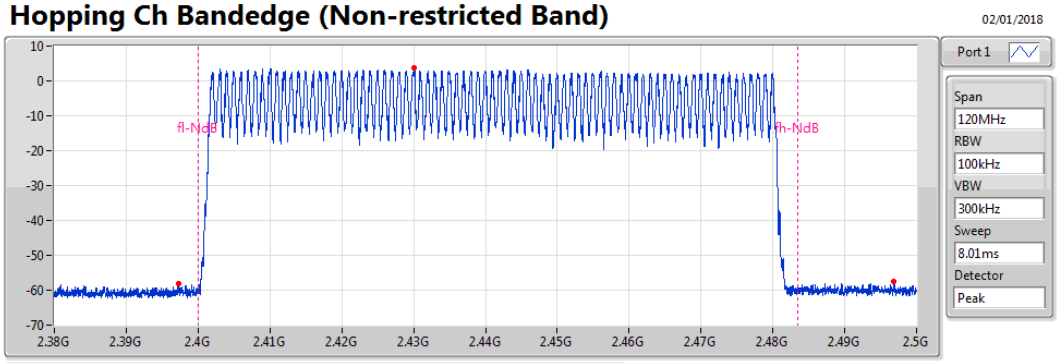


Hopping No	Limit
79	15

BT-BR(1Mbps)

2441MHz

Hopping Ch Bandedge (Non-restricted Band)

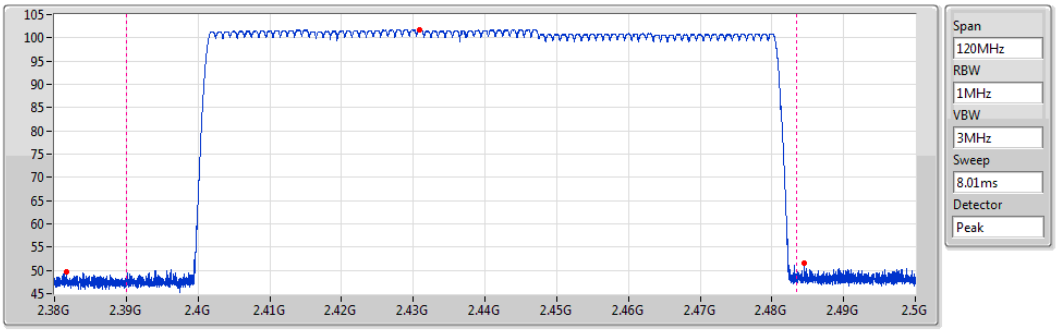


Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-16.22	2.430115G	3.78	2.397355G	-58.25	2.496775G	-57.4

BT-BR(1Mbps)

2441MHz

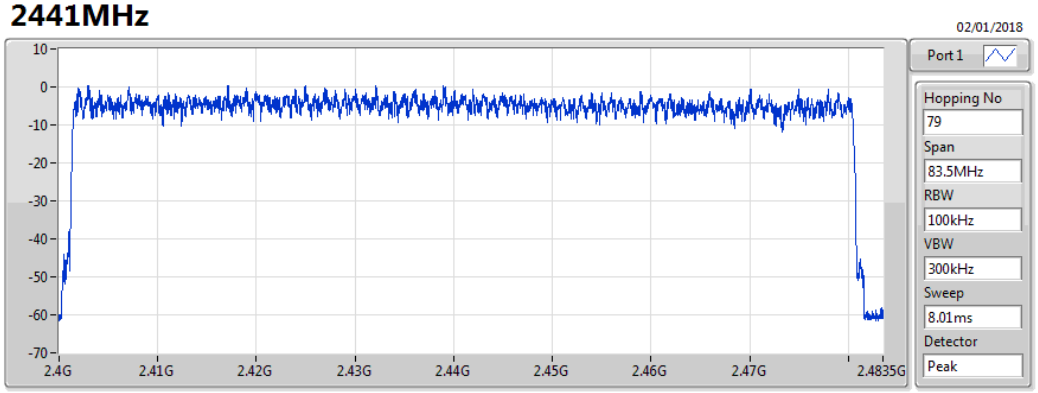
Hopping Ch Bandedge (Restricted Band)



Ref(Hz)	Ref(dBuV/m)	BE-l(Hz)	PK(dBuV/m)	AV(dBuV/m)	BE-h(Hz)	PK(dBuV/m)	AV(dBuV/m)	LimPK(dBuV/	LimAV(dBuV/	Tx On(ms)	DCF(dB)
2.430865G	101.77	2.381725G	49.59	18.81	2.48452G	51.46	20.68	74	54	2.892	-30.78

BT-EDR(2Mbps) **Hopping Ch**

2441MHz

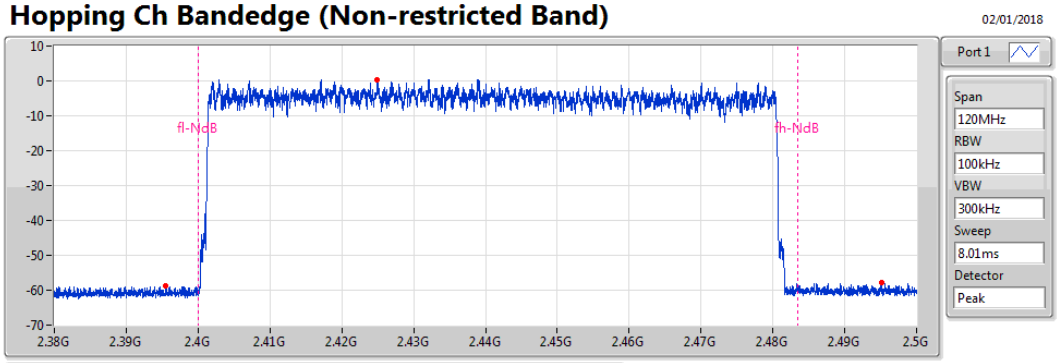


Hopping No	Limit
79	15

BT-EDR(2Mbps)

2441MHz

Hopping Ch Bandedge (Non-restricted Band)

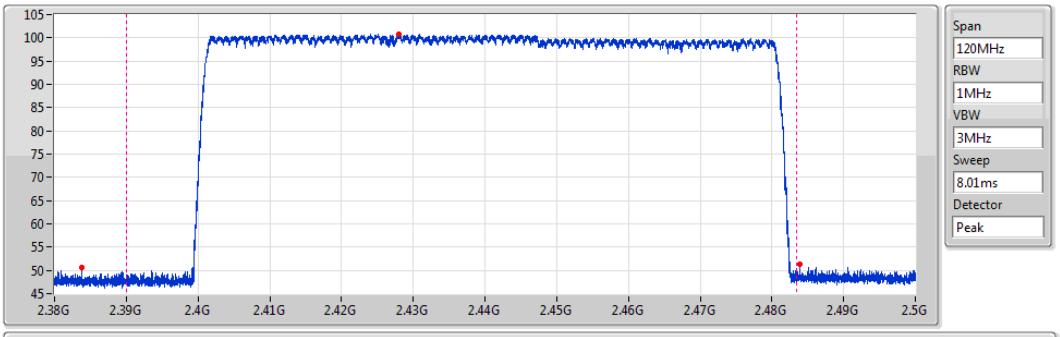


Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-19.54	2.424955G	0.46	2.395525G	-58.77	2.49508G	-57.73

BT-EDR(2Mbps)

2441MHz

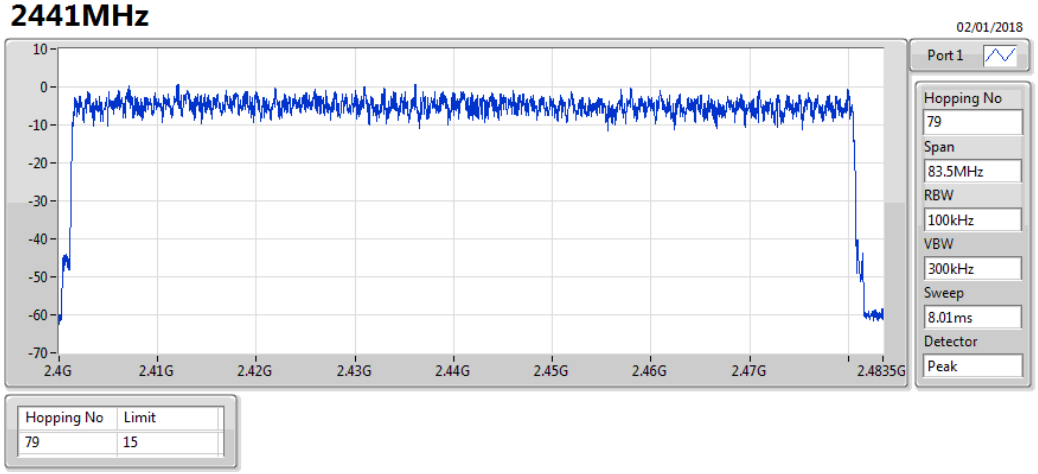
Hopping Ch Bandedge (Restricted Band)



Ref(Hz)	Ref(dBuV/m)	BE-l(Hz)	PK(dBuV/m)	AV(dBuV/m)	BE-h(Hz)	PK(dBuV/m)	AV(dBuV/m)	LimPK(dBuV/	LimAV(dBuV/	Tx On(ms)	DCF(dB)
2.428075G	100.75	2.383795G	50.62	19.85	2.48392G	51.34	20.57	74	54	2.894	-30.77

BT-EDR(3Mbps) **Hopping Ch**

2441MHz

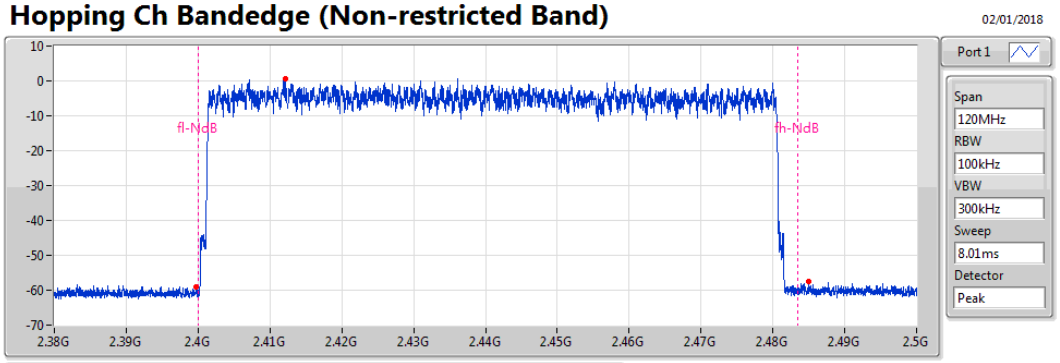


Hopping No	Limit
79	15

BT-EDR(3Mbps)

2441MHz

Hopping Ch Bandedge (Non-restricted Band)

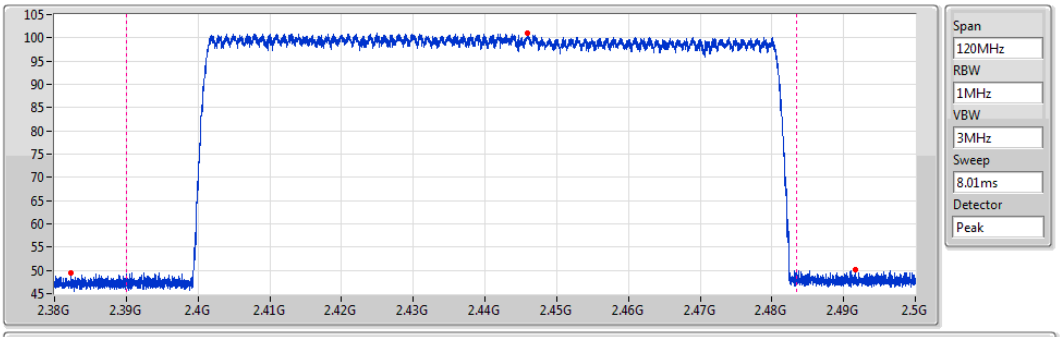


Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-19.45	2.412115G	0.55	2.399725G	-58.95	2.485015G	-57.55

BT-EDR(3Mbps)

2441MHz

Hopping Ch Bandedge (Restricted Band)



Ref(Hz)	Ref(dBuV/m)	BE-l(Hz)	PK(dBuV/m)	AV(dBuV/m)	BE-h(Hz)	PK(dBuV/m)	AV(dBuV/m)	LimPK(dBuV/	LimAV(dBuV/	Tx On(ms)	DCF(dB)
2.44594G	100.98	2.382235G	49.34	18.58	2.49157G	50.17	19.41	74	54	2.896	-30.76

Summary

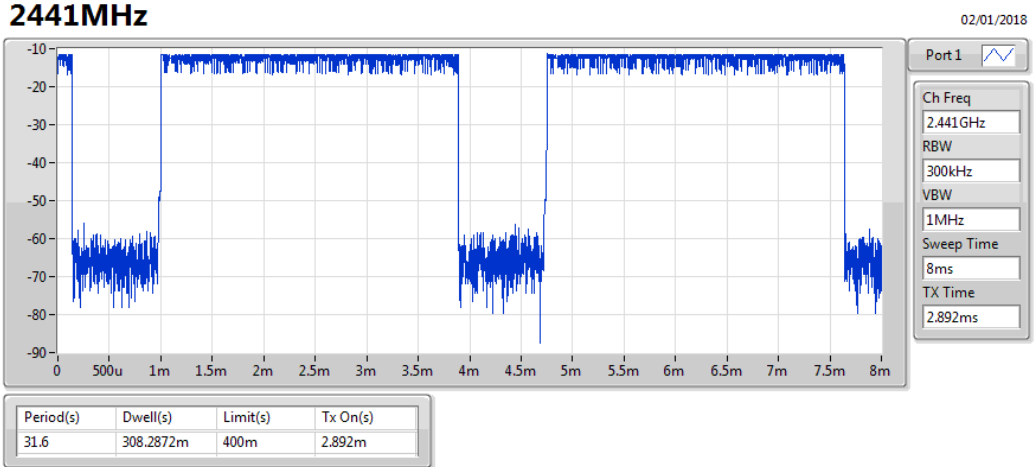
Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	308.2872m
BT-EDR(2Mbps)	308.5004m
BT-EDR(3Mbps)	308.7136m

Result

Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2441MHz_TnomVnom	Pass	31.6	308.2872m	400m	2.892m
BT-EDR(2Mbps)	-	-	-	-	-
2441MHz_TnomVnom	Pass	31.6	308.5004m	400m	2.894m
BT-EDR(3Mbps)	-	-	-	-	-
2441MHz_TnomVnom	Pass	31.6	308.7136m	400m	2.896m

BT-BR(1Mbps) **Dwell**

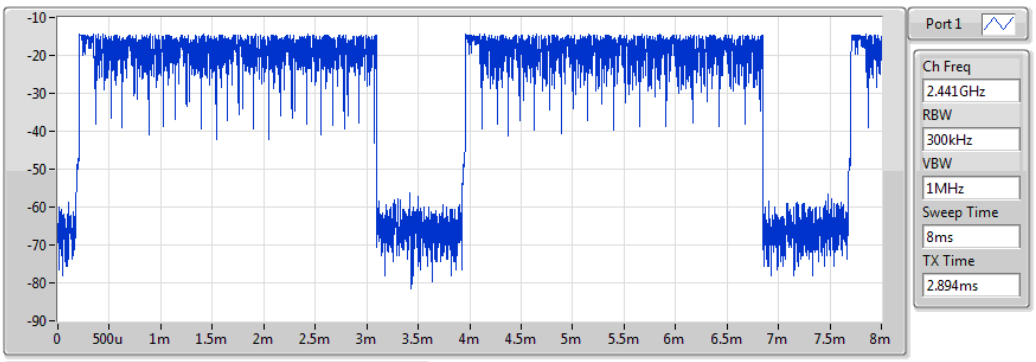
2441MHz



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.2872m	400m	2.892m

BT-EDR(2Mbps) **Dwell**

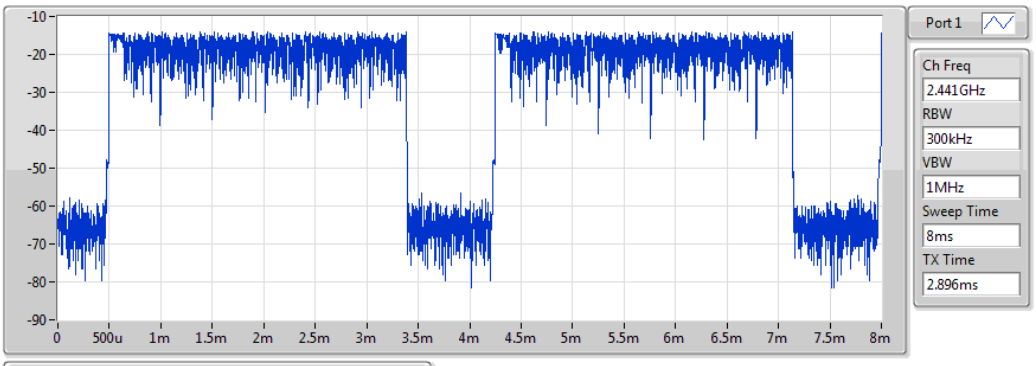
2441MHz



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.5004m	400m	2.894m

BT-EDR(3Mbps) **Dwell**

2441MHz



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.7136m	400m	2.896m

Summary

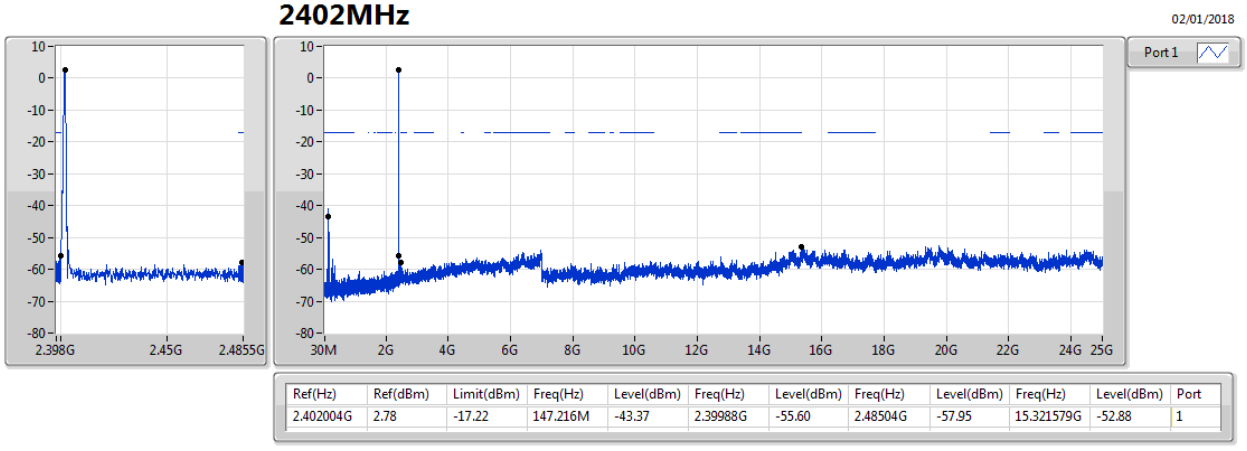
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.479993G	2.23	-17.77	147.216M	-43.42	2.398028G	-59.35	2.48362G	-56.92	24.451209G	-51.89	1
BT-EDR(2Mbps)	Pass	2.479993G	-2.04	-22.04	147.216M	-43.32	2.398388G	-59.23	2.483604G	-58.48	15.096434G	-52.85	1
BT-EDR(3Mbps)	Pass	2.479993G	-2.63	-22.63	147.216M	-43.80	2.399788G	-59.47	2.484272G	-58.30	21.712883G	-53.48	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)	Port
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402004G	2.78	-17.22	147.216M	-43.37	2.39988G	-55.60	2.48504G	-57.95	15.321579G	-52.88	1
2441MHz_TnomVnom	Pass	2.441082G	3.61	-16.39	147.216M	-43.25	2.399828G	-58.67	2.483636G	-58.05	16.664006G	-53.18	1
2480MHz_TnomVnom	Pass	2.479993G	2.23	-17.77	147.216M	-43.42	2.398028G	-59.35	2.48362G	-56.92	24.451209G	-51.89	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.401837G	-1.74	-21.74	147.216M	-43.75	2.3996G	-56.93	2.485G	-59.02	6.951814G	-53.14	1
2441MHz_TnomVnom	Pass	2.441082G	-1.23	-21.23	147.216M	-43.47	2.398256G	-58.89	2.484524G	-58.40	24.414623G	-53.10	1
2480MHz_TnomVnom	Pass	2.479993G	-2.04	-22.04	147.216M	-43.32	2.398388G	-59.23	2.483604G	-58.48	15.096434G	-52.85	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.401837G	-2.02	-22.02	147.216M	-43.53	2.399444G	-57.02	2.485048G	-58.18	21.850784G	-53.57	1
2441MHz_TnomVnom	Pass	2.440748G	-1.52	-21.52	147.216M	-43.64	2.398944G	-59.07	2.4849G	-57.25	24.665097G	-53.57	1
2480MHz_TnomVnom	Pass	2.479993G	-2.63	-22.63	147.216M	-43.80	2.399788G	-59.47	2.484272G	-58.30	21.712883G	-53.48	1

BT-BR(1Mbps) **CSE NdB**

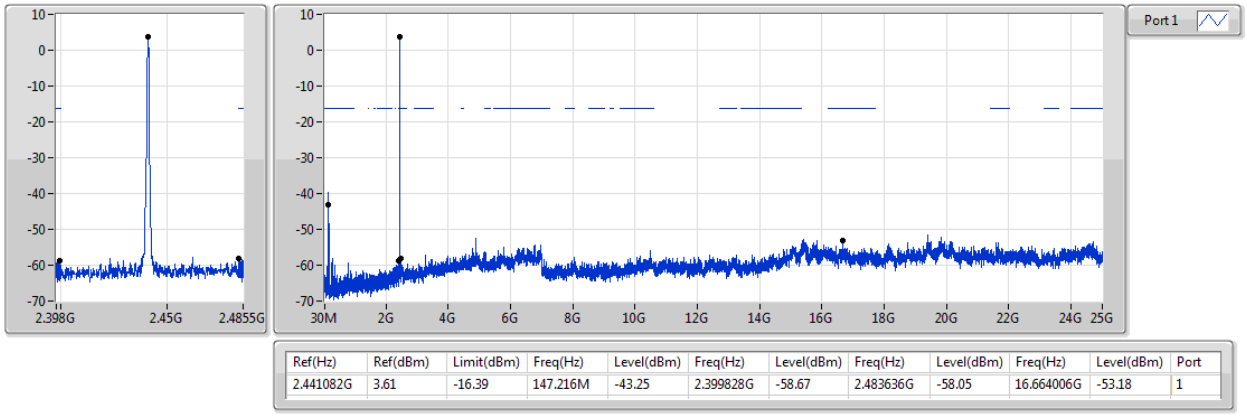
2402MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.402004G	2.78	-17.22	147.216M	-43.37	2.39988G	-55.60	2.48504G	-57.95	15.321579G	-52.88	1

BT-BR(1Mbps) **CSE NdB**

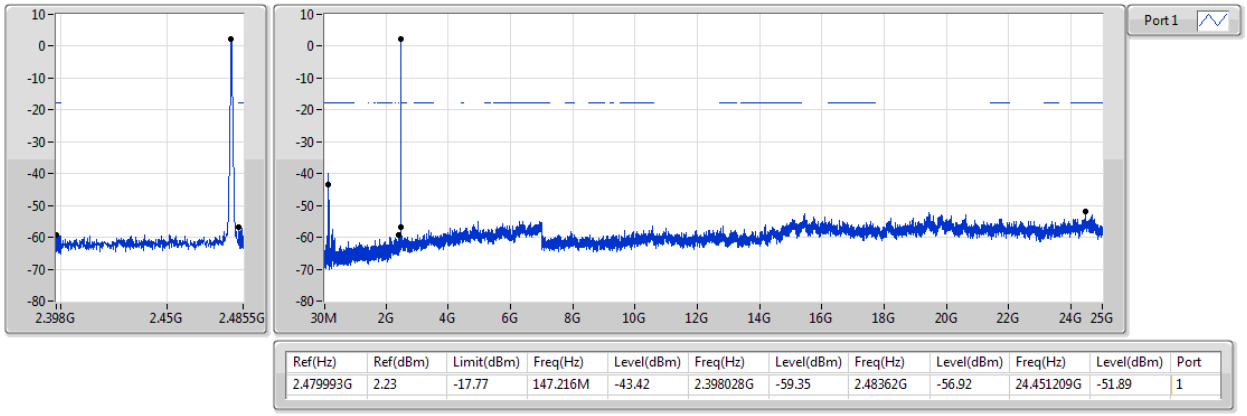
2441MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.441082G	3.61	-16.39	147.216M	-43.25	2.399828G	-58.67	2.483636G	-58.05	16.664006G	-53.18	1

BT-BR(1Mbps) **CSE NdB**

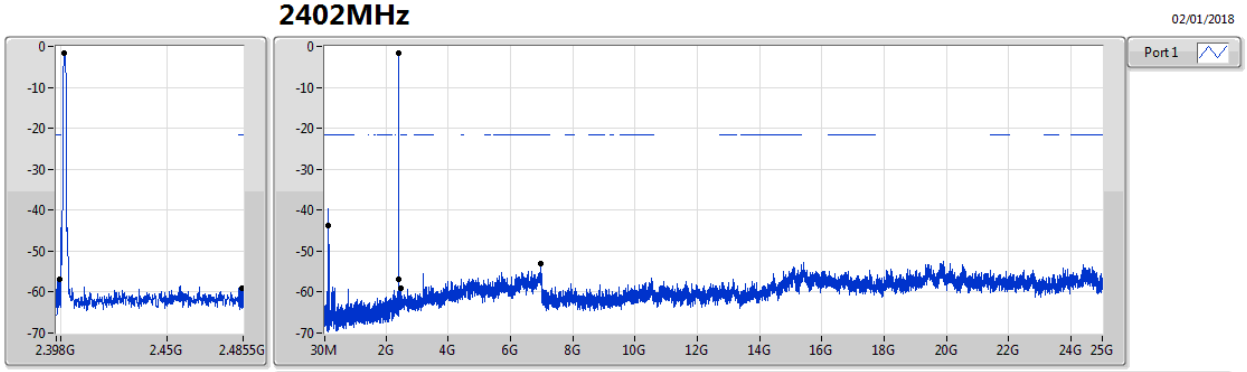
2480MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.479993G	2.23	-17.77	147.216M	-43.42	2.398028G	-59.35	2.48362G	-56.92	24.451209G	-51.89	1

BT-EDR(2Mbps) **CSE NdB**

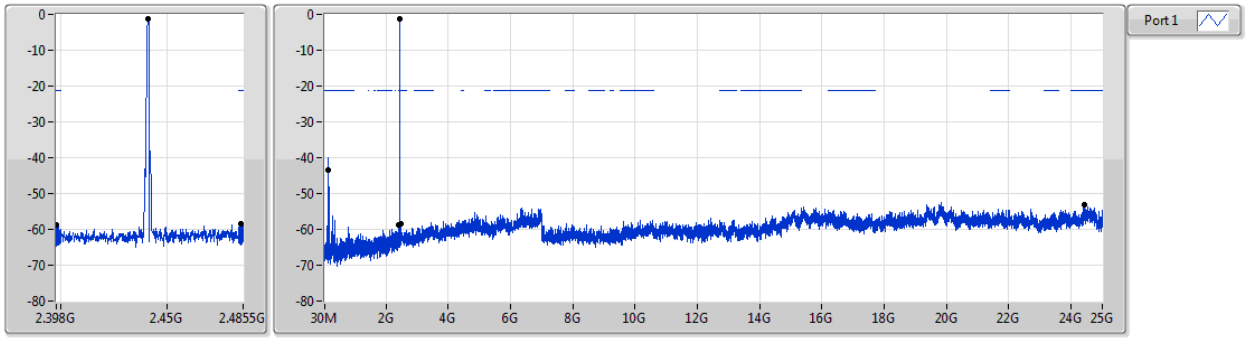
2402MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.401837G	-1.74	-21.74	147.216M	-43.75	2.3996G	-56.93	2.485G	-59.02	6.951814G	-53.14	1

BT-EDR(2Mbps) **CSE NdB**

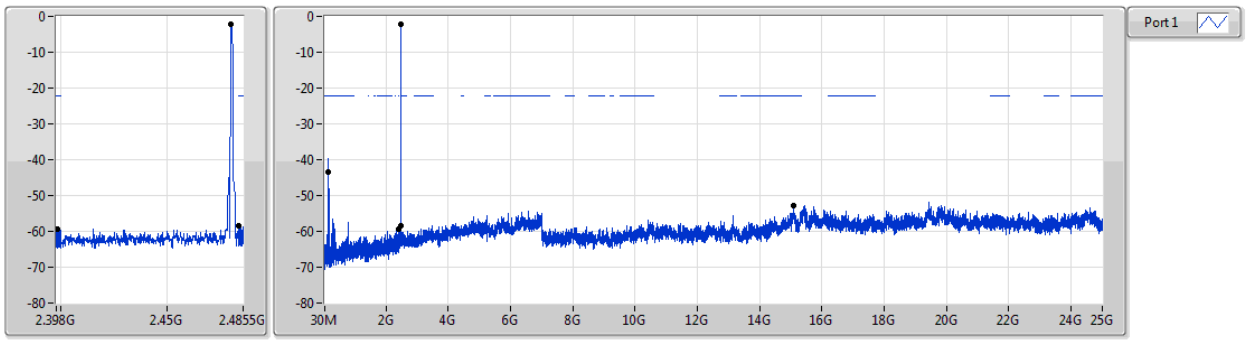
2441MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.441082G	-1.23	-21.23	147.216M	-43.47	2.398256G	-58.89	2.484524G	-58.40	24.414623G	-53.10	1

BT-EDR(2Mbps) **CSE NdB**

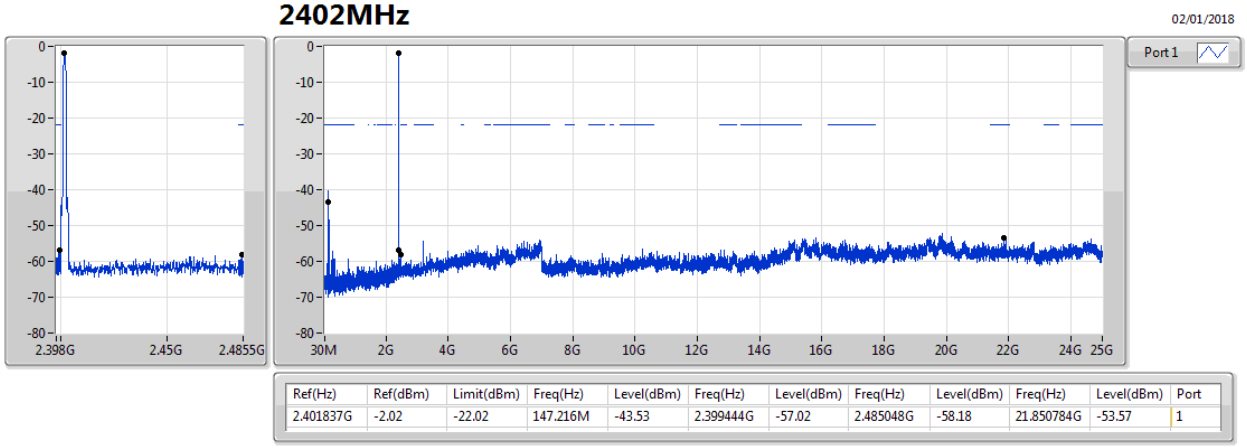
2480MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.479993G	-2.04	-22.04	147.216M	-43.32	2.398388G	-59.23	2.483604G	-58.48	15.096434G	-52.85	1

BT-EDR(3Mbps) **CSE NdB**

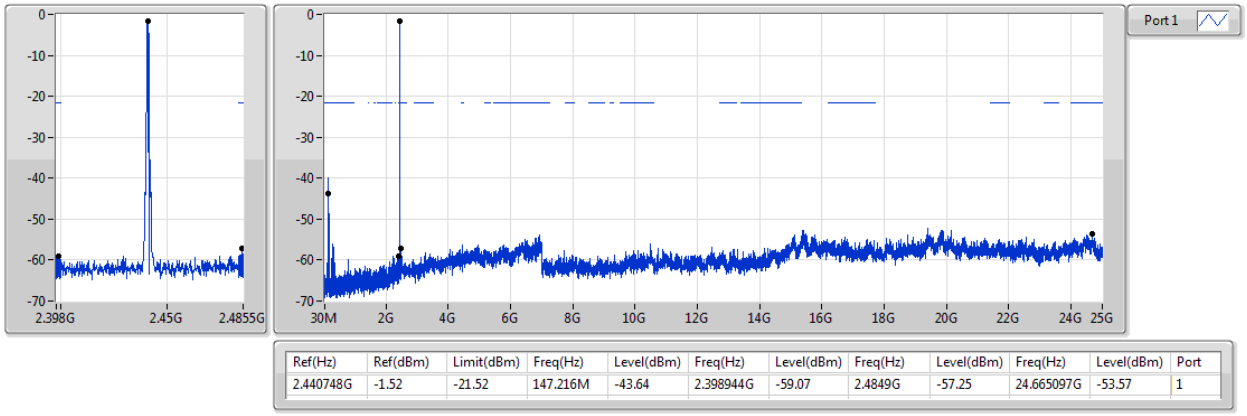
2402MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.401837G	-2.02	-22.02	147.216M	-43.53	2.399444G	-57.02	2.485048G	-58.18	21.850784G	-53.57	1

BT-EDR(3Mbps) **CSE NdB**

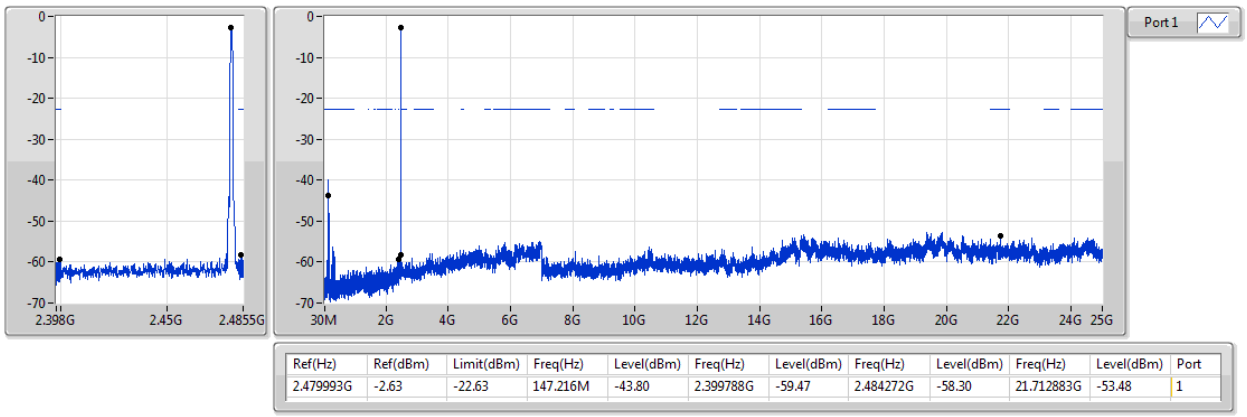
2441MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.440748G	-1.52	-21.52	147.216M	-43.64	2.398944G	-59.07	2.4849G	-57.25	24.665097G	-53.57	1

BT-EDR(3Mbps) **CSE NdB**

2480MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.479993G	-2.63	-22.63	147.216M	-43.80	2.399788G	-59.47	2.484272G	-58.30	21.712883G	-53.48	1

Summary

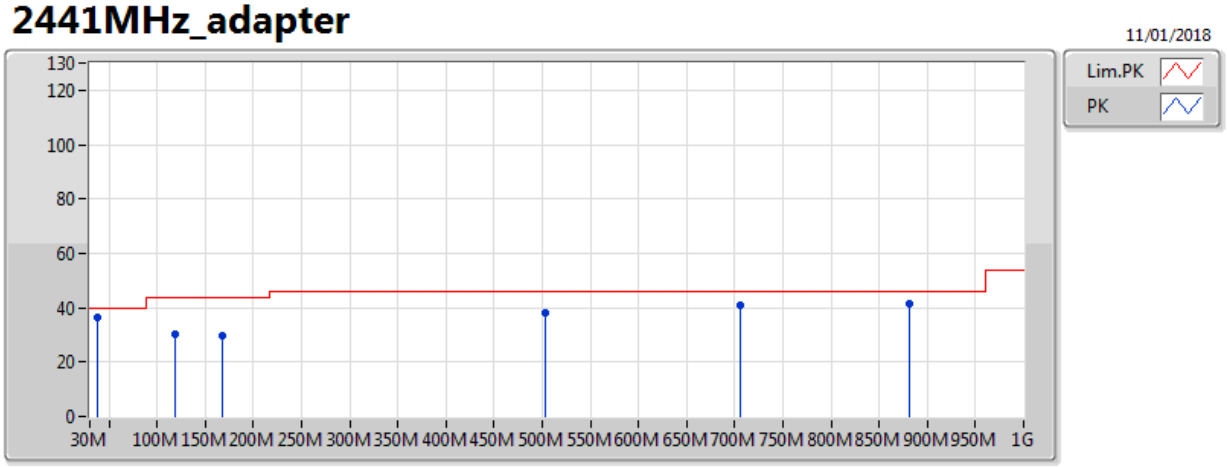
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	QP	881.66M	43.82	46.00	-2.18	-4.13	3	Horizontal	219	1.28	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2441MHz	Pass	PK	84.32M	24.99	40.00	-15.01	-22.48	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	119.24M	27.53	43.50	-15.97	-18.26	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	216.24M	34.26	46.00	-11.74	-19.74	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	311.3M	39.29	46.00	-6.71	-14.92	3	Horizontal	0	1.00	-
2441MHz	Pass	QP	705.12M	42.80	46.00	-3.20	-7.09	3	Horizontal	107	1.76	-
2441MHz	Pass	QP	881.66M	43.82	46.00	-2.18	-4.13	3	Horizontal	219	1.28	-
2441MHz	Pass	PK	37.76M	36.61	40.00	-3.39	-16.56	3	Vertical	360	1.00	-
2441MHz	Pass	PK	119.24M	30.18	43.50	-13.32	-18.26	3	Vertical	360	1.00	-
2441MHz	Pass	PK	167.74M	29.44	43.50	-14.06	-19.39	3	Vertical	360	1.00	-
2441MHz	Pass	PK	503.36M	38.07	46.00	-7.93	-9.75	3	Vertical	360	1.00	-
2441MHz	Pass	PK	705.12M	40.71	46.00	-5.29	-7.09	3	Vertical	360	1.00	-
2441MHz	Pass	PK	881.66M	41.27	46.00	-4.73	-4.13	3	Vertical	360	1.00	-

BT-BR(1Mbps)

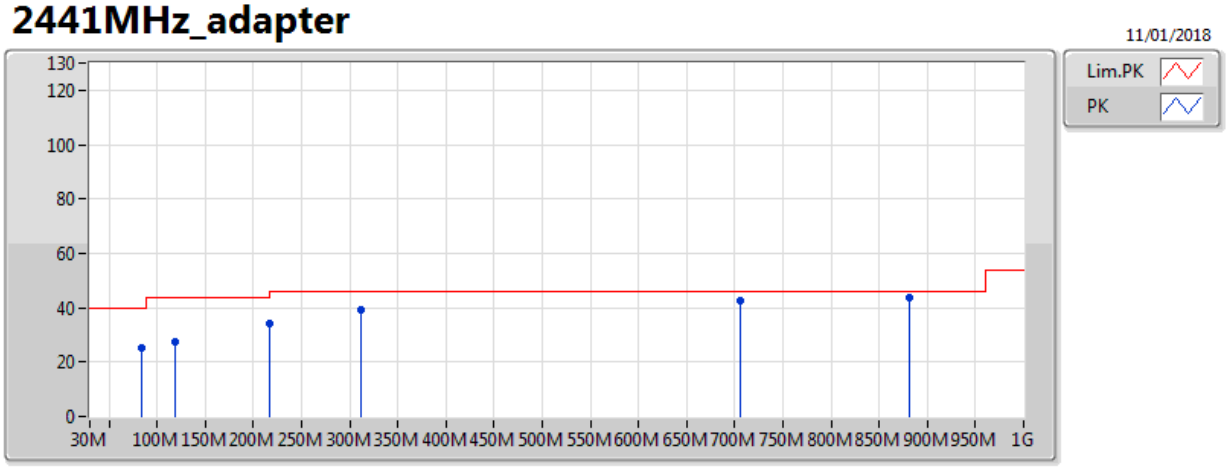
2441MHz_adapter



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	37.76M	36.61	40.00	-3.39	-16.56	3	Vertical	360	1.00	-	53.17	19.67	1.03	37.26
PK	119.24M	30.18	43.50	-13.32	-18.26	3	Vertical	360	1.00	-	48.44	16.69	1.77	36.72
PK	167.74M	29.44	43.50	-14.06	-19.39	3	Vertical	360	1.00	-	48.83	15.00	2.13	36.52
PK	503.36M	38.07	46.00	-7.93	-9.75	3	Vertical	360	1.00	-	47.82	23.23	3.95	36.93
PK	705.12M	40.71	46.00	-5.29	-7.09	3	Vertical	360	1.00	-	47.80	25.90	4.36	37.36
PK	881.66M	41.27	46.00	-4.73	-4.13	3	Vertical	360	1.00	-	45.40	28.34	5.05	37.52

BT-BR(1Mbps)

2441MHz_adapter



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	84.32M	24.99	40.00	-15.01	-22.48	3	Horizontal	0	1.00	-	47.47	12.95	1.47	36.91
PK	119.24M	27.53	43.50	-15.97	-18.26	3	Horizontal	0	1.00	-	45.79	16.69	1.77	36.72
PK	216.24M	34.26	46.00	-11.74	-19.74	3	Horizontal	0	1.00	-	54.00	14.26	2.38	36.39
PK	311.3M	39.29	46.00	-6.71	-14.92	3	Horizontal	0	1.00	-	54.21	18.53	3.01	36.46
QP	881.66M	43.82	46.00	-2.18	-4.13	3	Horizontal	219	1.28	-	47.95	28.34	5.05	37.52
QP	705.12M	42.80	46.00	-3.20	-7.09	3	Horizontal	107	1.76	-	49.89	25.90	4.36	37.36

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	AV	2.497G	47.17	54.00	-6.83	33.15	3	Vertical	66	3.69	-
BT-EDR(2Mbps)	Pass	AV	2.4996G	47.17	54.00	-6.83	33.16	3	Vertical	68	3.56	-
BT-EDR(3Mbps)	Pass	AV	2.4988G	47.17	54.00	-6.83	33.16	3	Horizontal	143	3.38	-

Result

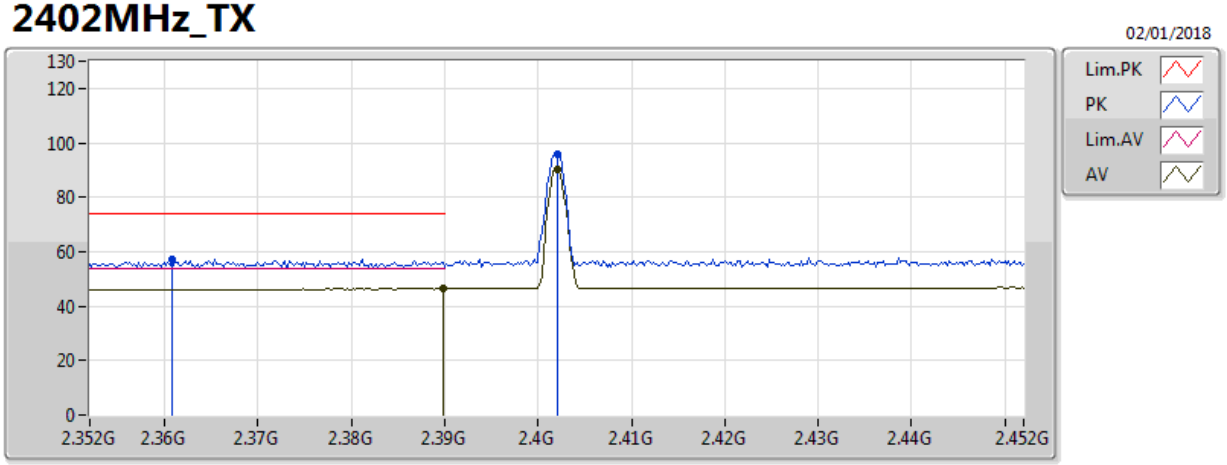
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3752G	46.30	54.00	-7.70	32.66	3	Horizontal	141	3.62	-
2402MHz	Pass	AV	2.402G	93.65	Inf	-Inf	32.77	3	Horizontal	141	3.62	-
2402MHz	Pass	PK	2.3624G	57.17	74.00	-16.83	32.61	3	Horizontal	141	3.62	-
2402MHz	Pass	PK	2.4022G	98.91	Inf	-Inf	32.77	3	Horizontal	141	3.62	-
2402MHz	Pass	AV	2.3898G	46.31	54.00	-7.69	32.72	3	Vertical	80	3.65	-
2402MHz	Pass	AV	2.402G	90.45	Inf	-Inf	32.77	3	Vertical	80	3.65	-
2402MHz	Pass	PK	2.3608G	57.29	74.00	-16.71	32.61	3	Vertical	80	3.65	-
2402MHz	Pass	PK	2.402G	95.74	Inf	-Inf	32.77	3	Vertical	80	3.65	-
2402MHz	Pass	AV	4.804G	36.62	54.00	-17.38	4.10	3	Horizontal	87	1.02	-
2402MHz	Pass	PK	4.804G	46.29	74.00	-27.71	4.10	3	Horizontal	87	1.02	-
2402MHz	Pass	AV	4.804G	34.53	54.00	-19.47	4.10	3	Vertical	270	1.50	-
2402MHz	Pass	PK	4.804G	41.44	74.00	-32.56	4.10	3	Vertical	270	1.50	-
2441MHz	Pass	AV	2.389G	46.33	54.00	-7.67	32.72	3	Horizontal	138	3.49	-
2441MHz	Pass	AV	2.441G	95.34	Inf	-Inf	32.92	3	Horizontal	138	3.49	-
2441MHz	Pass	AV	2.4998G	47.15	54.00	-6.85	33.16	3	Horizontal	138	3.49	-
2441MHz	Pass	PK	2.3754G	57.53	74.00	-16.47	32.66	3	Horizontal	138	3.49	-
2441MHz	Pass	PK	2.441G	97.32	Inf	-Inf	32.92	3	Horizontal	138	3.49	-
2441MHz	Pass	PK	2.4982G	57.57	74.00	-16.43	33.15	3	Horizontal	138	3.49	-
2441MHz	Pass	AV	2.387G	46.32	54.00	-7.68	32.71	3	Vertical	66	3.69	-
2441MHz	Pass	AV	2.441G	92.98	Inf	-Inf	32.92	3	Vertical	66	3.69	-
2441MHz	Pass	AV	2.497G	47.17	54.00	-6.83	33.15	3	Vertical	66	3.69	-
2441MHz	Pass	PK	2.3642G	57.02	74.00	-16.98	32.62	3	Vertical	66	3.69	-
2441MHz	Pass	PK	2.441G	94.89	Inf	-Inf	32.92	3	Vertical	66	3.69	-
2441MHz	Pass	PK	2.4874G	57.84	74.00	-16.16	33.11	3	Vertical	66	3.69	-
2441MHz	Pass	AV	4.882G	37.82	54.00	-16.18	4.29	3	Horizontal	88	1.02	-
2441MHz	Pass	PK	4.882G	45.93	74.00	-28.07	4.29	3	Horizontal	88	1.02	-
2441MHz	Pass	AV	4.882G	34.80	54.00	-19.20	4.29	3	Vertical	269	1.50	-
2441MHz	Pass	PK	4.882G	44.64	74.00	-29.36	4.29	3	Vertical	269	1.50	-
2480MHz	Pass	AV	2.48G	94.18	Inf	-Inf	33.08	3	Horizontal	122	3.69	-
2480MHz	Pass	AV	2.4992G	47.14	54.00	-6.86	33.16	3	Horizontal	122	3.69	-
2480MHz	Pass	PK	2.4798G	95.42	Inf	-Inf	33.08	3	Horizontal	122	3.69	-
2480MHz	Pass	PK	2.4922G	57.96	74.00	-16.04	33.13	3	Horizontal	122	3.69	-
2480MHz	Pass	AV	2.48G	90.42	Inf	-Inf	33.08	3	Vertical	60	3.67	-
2480MHz	Pass	AV	2.5G	47.15	54.00	-6.85	33.16	3	Vertical	60	3.67	-
2480MHz	Pass	PK	2.4798G	91.69	Inf	-Inf	33.08	3	Vertical	60	3.67	-
2480MHz	Pass	PK	2.4884G	58.00	74.00	-16.00	33.11	3	Vertical	60	3.67	-
2480MHz	Pass	AV	4.96G	39.02	54.00	-14.98	4.49	3	Horizontal	85	1.02	-
2480MHz	Pass	PK	4.96G	46.18	74.00	-27.82	4.49	3	Horizontal	85	1.02	-
2480MHz	Pass	AV	4.96G	35.16	54.00	-18.84	4.49	3	Vertical	273	1.50	-
2480MHz	Pass	PK	4.96G	44.86	74.00	-29.14	4.49	3	Vertical	273	1.50	-
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3848G	46.27	54.00	-7.73	32.70	3	Horizontal	141	3.63	-
2402MHz	Pass	AV	2.402G	89.92	Inf	-Inf	32.77	3	Horizontal	141	3.63	-
2402MHz	Pass	PK	2.3572G	57.39	74.00	-16.61	32.59	3	Horizontal	141	3.63	-
2402MHz	Pass	PK	2.4022G	97.23	Inf	-Inf	32.77	3	Horizontal	141	3.63	-
2402MHz	Pass	AV	2.3862G	46.28	54.00	-7.72	32.71	3	Vertical	64	3.67	-
2402MHz	Pass	AV	2.402G	86.47	Inf	-Inf	32.77	3	Vertical	64	3.67	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2402MHz	Pass	PK	2.3734G	56.98	74.00	-17.02	32.66	3	Vertical	64	3.67	-
2402MHz	Pass	PK	2.4022G	93.73	Inf	-Inf	32.77	3	Vertical	64	3.67	-
2441MHz	Pass	AV	2.3898G	46.32	54.00	-7.68	32.72	3	Horizontal	122	3.59	-
2441MHz	Pass	AV	2.441G	89.56	Inf	-Inf	32.92	3	Horizontal	122	3.59	-
2441MHz	Pass	AV	2.4918G	47.13	54.00	-6.87	33.13	3	Horizontal	122	3.59	-
2441MHz	Pass	PK	2.3434G	57.45	74.00	-16.55	32.54	3	Horizontal	122	3.59	-
2441MHz	Pass	PK	2.441G	93.96	Inf	-Inf	32.92	3	Horizontal	122	3.59	-
2441MHz	Pass	PK	2.4942G	57.87	74.00	-16.13	33.14	3	Horizontal	122	3.59	-
2441MHz	Pass	AV	2.3874G	46.31	54.00	-7.69	32.71	3	Vertical	71	3.69	-
2441MHz	Pass	AV	2.441G	89.04	Inf	-Inf	32.92	3	Vertical	71	3.69	-
2441MHz	Pass	AV	2.497G	47.13	54.00	-6.87	33.15	3	Vertical	71	3.69	-
2441MHz	Pass	PK	2.3746G	57.52	74.00	-16.48	32.66	3	Vertical	71	3.69	-
2441MHz	Pass	PK	2.4406G	93.46	Inf	-Inf	32.92	3	Vertical	71	3.69	-
2441MHz	Pass	PK	2.4922G	57.46	74.00	-16.54	33.13	3	Vertical	71	3.69	-
2480MHz	Pass	AV	2.48G	90.47	Inf	-Inf	33.08	3	Horizontal	127	3.40	-
2480MHz	Pass	AV	2.4998G	47.14	54.00	-6.86	33.16	3	Horizontal	127	3.40	-
2480MHz	Pass	PK	2.4798G	94.24	Inf	-Inf	33.08	3	Horizontal	127	3.40	-
2480MHz	Pass	PK	2.4988G	58.29	74.00	-15.71	33.16	3	Horizontal	127	3.40	-
2480MHz	Pass	AV	2.48G	86.38	Inf	-Inf	33.08	3	Vertical	68	3.56	-
2480MHz	Pass	AV	2.4996G	47.17	54.00	-6.83	33.16	3	Vertical	68	3.56	-
2480MHz	Pass	PK	2.48G	90.14	Inf	-Inf	33.08	3	Vertical	68	3.56	-
2480MHz	Pass	PK	2.4882G	58.31	74.00	-15.69	33.11	3	Vertical	68	3.56	-
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3896G	46.31	54.00	-7.69	32.72	3	Horizontal	135	3.60	-
2402MHz	Pass	AV	2.402G	90.22	Inf	-Inf	32.77	3	Horizontal	135	3.60	-
2402MHz	Pass	PK	2.3602G	57.95	74.00	-16.05	32.60	3	Horizontal	135	3.60	-
2402MHz	Pass	PK	2.402G	97.79	Inf	-Inf	32.77	3	Horizontal	135	3.60	-
2402MHz	Pass	AV	2.3832G	46.28	54.00	-7.72	32.69	3	Vertical	82	3.67	-
2402MHz	Pass	AV	2.402G	87.33	Inf	-Inf	32.77	3	Vertical	82	3.67	-
2402MHz	Pass	PK	2.3588G	57.07	74.00	-16.93	32.60	3	Vertical	82	3.67	-
2402MHz	Pass	PK	2.402G	94.84	Inf	-Inf	32.77	3	Vertical	82	3.67	-
2441MHz	Pass	AV	2.3878G	46.29	54.00	-7.71	32.71	3	Horizontal	134	3.49	-
2441MHz	Pass	AV	2.441G	91.08	Inf	-Inf	32.92	3	Horizontal	134	3.49	-
2441MHz	Pass	AV	2.4994G	47.15	54.00	-6.85	33.16	3	Horizontal	134	3.49	-
2441MHz	Pass	PK	2.3638G	57.65	74.00	-16.35	32.62	3	Horizontal	134	3.49	-
2441MHz	Pass	PK	2.441G	95.55	Inf	-Inf	32.92	3	Horizontal	134	3.49	-
2441MHz	Pass	PK	2.4946G	57.91	74.00	-16.09	33.14	3	Horizontal	134	3.49	-
2441MHz	Pass	AV	2.3894G	46.31	54.00	-7.69	32.72	3	Vertical	66	3.68	-
2441MHz	Pass	AV	2.441G	89.18	Inf	-Inf	32.92	3	Vertical	66	3.68	-
2441MHz	Pass	AV	2.4954G	47.13	54.00	-6.87	33.14	3	Vertical	66	3.68	-
2441MHz	Pass	PK	2.3874G	57.53	74.00	-16.47	32.71	3	Vertical	66	3.68	-
2441MHz	Pass	PK	2.441G	93.79	Inf	-Inf	32.92	3	Vertical	66	3.68	-
2441MHz	Pass	PK	2.491G	57.79	74.00	-16.21	33.12	3	Vertical	66	3.68	-
2480MHz	Pass	AV	2.48G	90.84	Inf	-Inf	33.08	3	Horizontal	143	3.38	-
2480MHz	Pass	AV	2.4988G	47.17	54.00	-6.83	33.16	3	Horizontal	143	3.38	-
2480MHz	Pass	PK	2.48G	94.82	Inf	-Inf	33.08	3	Horizontal	143	3.38	-
2480MHz	Pass	PK	2.4998G	58.13	74.00	-15.87	33.16	3	Horizontal	143	3.38	-
2480MHz	Pass	AV	2.48G	86.45	Inf	-Inf	33.08	3	Vertical	57	3.65	-
2480MHz	Pass	AV	2.4978G	47.14	54.00	-6.86	33.15	3	Vertical	57	3.65	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2480MHz	Pass	PK	2.48G	90.43	Inf	-Inf	33.08	3	Vertical	57	3.65	-
2480MHz	Pass	PK	2.4958G	57.94	74.00	-16.06	33.14	3	Vertical	57	3.65	-

BT-BR(1Mbps)

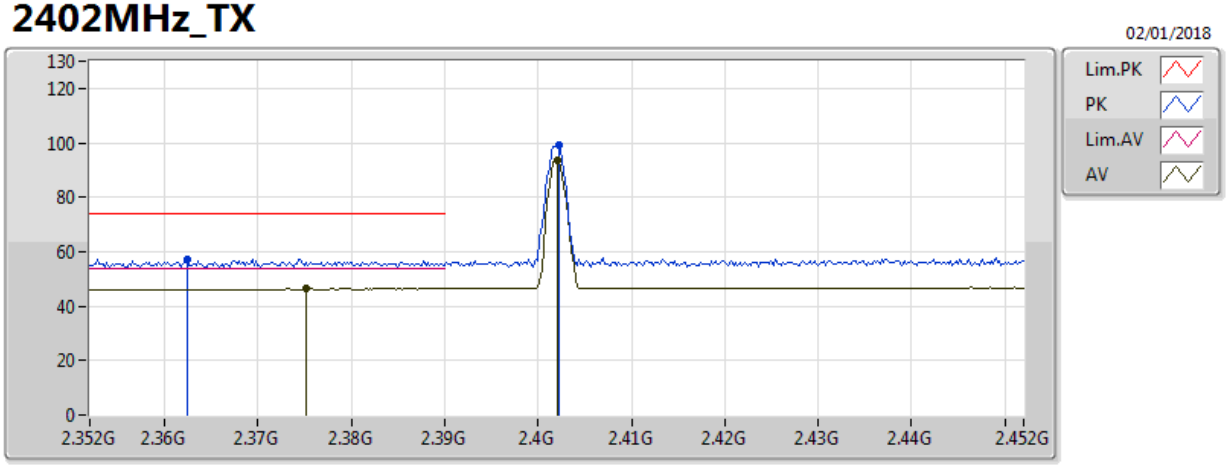
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	46.31	54.00	-7.69	32.72	3	Vertical	80	3.65	-	13.59	26.99	5.73	-
AV	2.402G	90.45	Inf	-Inf	32.77	3	Vertical	80	3.65	-	57.69	27.03	5.74	-
PK	2.3608G	57.29	74.00	-16.71	32.61	3	Vertical	80	3.65	-	24.69	26.91	5.70	-
PK	2.402G	95.74	Inf	-Inf	32.77	3	Vertical	80	3.65	-	62.97	27.03	5.74	-

BT-BR(1Mbps)

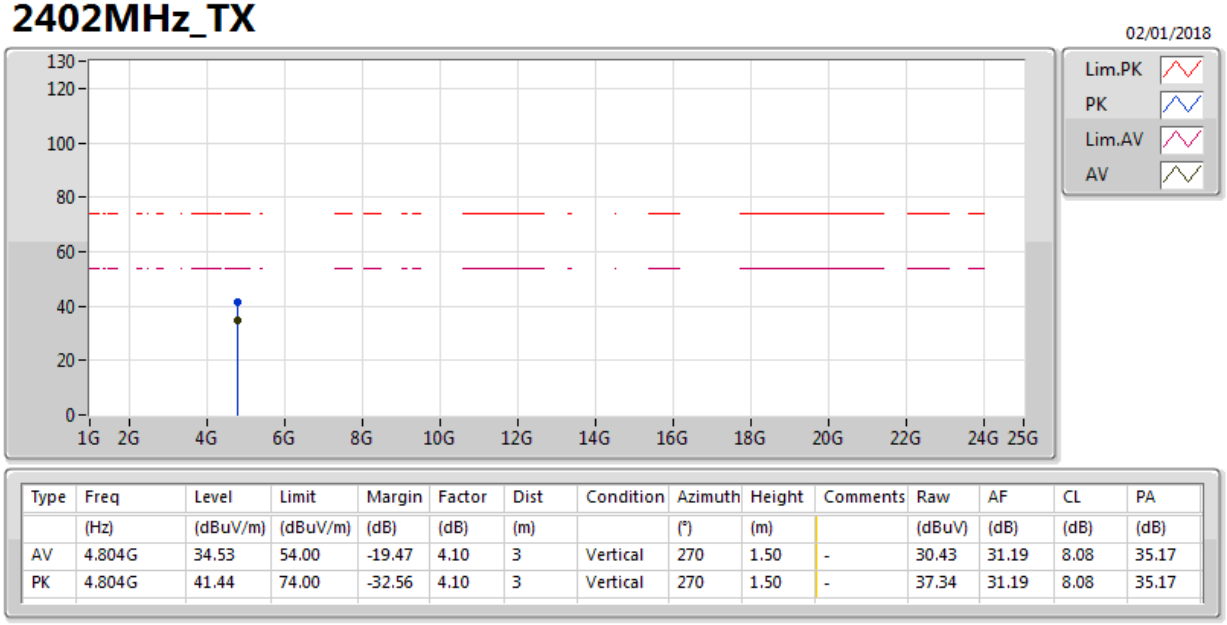
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3752G	46.30	54.00	-7.70	32.66	3	Horizontal	141	3.62	-	13.64	26.95	5.71	-
AV	2.402G	93.65	Inf	-Inf	32.77	3	Horizontal	141	3.62	-	60.88	27.03	5.74	-
PK	2.3624G	57.17	74.00	-16.83	32.61	3	Horizontal	141	3.62	-	24.56	26.91	5.70	-
PK	2.4022G	98.91	Inf	-Inf	32.77	3	Horizontal	141	3.62	-	66.14	27.03	5.74	-

BT-BR(1Mbps)

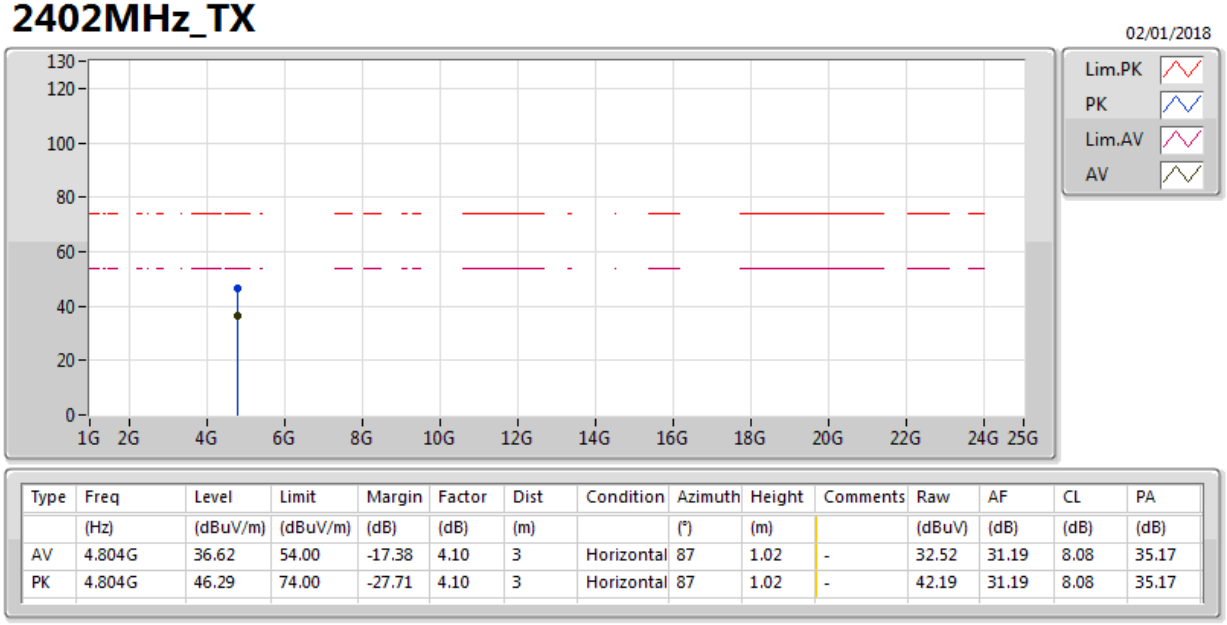
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.804G	34.53	54.00	-19.47	4.10	3	Vertical	270	1.50	-	30.43	31.19	8.08	35.17
PK	4.804G	41.44	74.00	-32.56	4.10	3	Vertical	270	1.50	-	37.34	31.19	8.08	35.17

BT-BR(1Mbps)

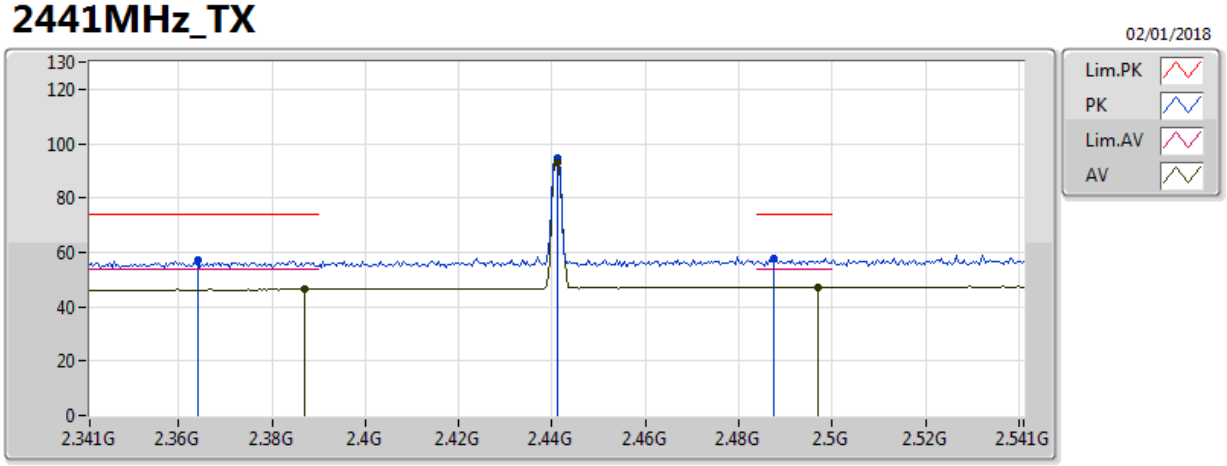
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.804G	36.62	54.00	-17.38	4.10	3	Horizontal	87	1.02	-	32.52	31.19	8.08	35.17
PK	4.804G	46.29	74.00	-27.71	4.10	3	Horizontal	87	1.02	-	42.19	31.19	8.08	35.17

BT-BR(1Mbps)

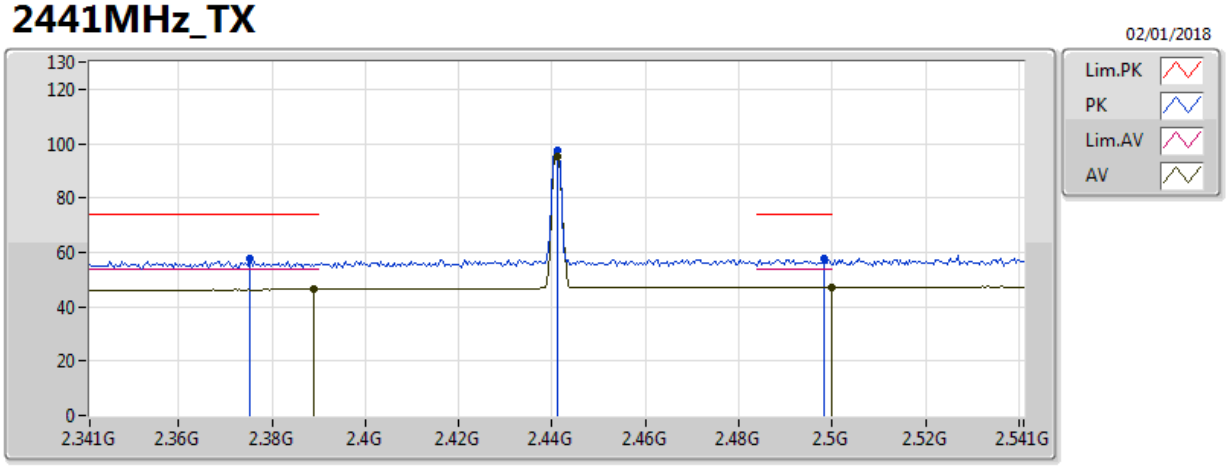
2441MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.387G	46.32	54.00	-7.68	32.71	3	Vertical	66	3.69	-	13.61	26.98	5.73	-
AV	2.441G	92.98	Inf	-Inf	32.92	3	Vertical	66	3.69	-	60.05	27.13	5.79	-
AV	2.497G	47.17	54.00	-6.83	33.15	3	Vertical	66	3.69	-	14.02	27.29	5.86	-
PK	2.3642G	57.02	74.00	-16.98	32.62	3	Vertical	66	3.69	-	24.40	26.92	5.70	-
PK	2.441G	94.89	Inf	-Inf	32.92	3	Vertical	66	3.69	-	61.97	27.13	5.79	-
PK	2.4874G	57.84	74.00	-16.16	33.11	3	Vertical	66	3.69	-	24.73	27.26	5.84	-

BT-BR(1Mbps)

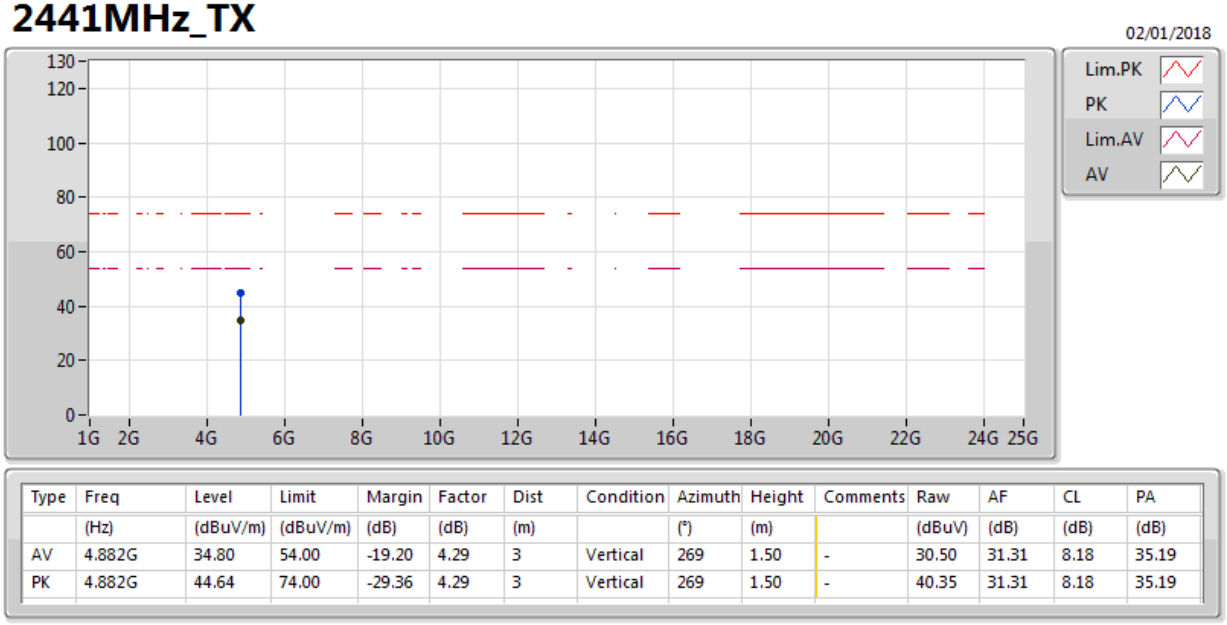
2441MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389G	46.33	54.00	-7.67	32.72	3	Horizontal	138	3.49	-	13.61	26.99	5.73	-
AV	2.441G	95.34	Inf	-Inf	32.92	3	Horizontal	138	3.49	-	62.42	27.13	5.79	-
AV	2.4998G	47.15	54.00	-6.85	33.16	3	Horizontal	138	3.49	-	13.99	27.30	5.86	-
PK	2.3754G	57.53	74.00	-16.47	32.66	3	Horizontal	138	3.49	-	24.87	26.95	5.71	-
PK	2.441G	97.32	Inf	-Inf	32.92	3	Horizontal	138	3.49	-	64.40	27.13	5.79	-
PK	2.4982G	57.57	74.00	-16.43	33.15	3	Horizontal	138	3.49	-	24.41	27.29	5.86	-

BT-BR(1Mbps)

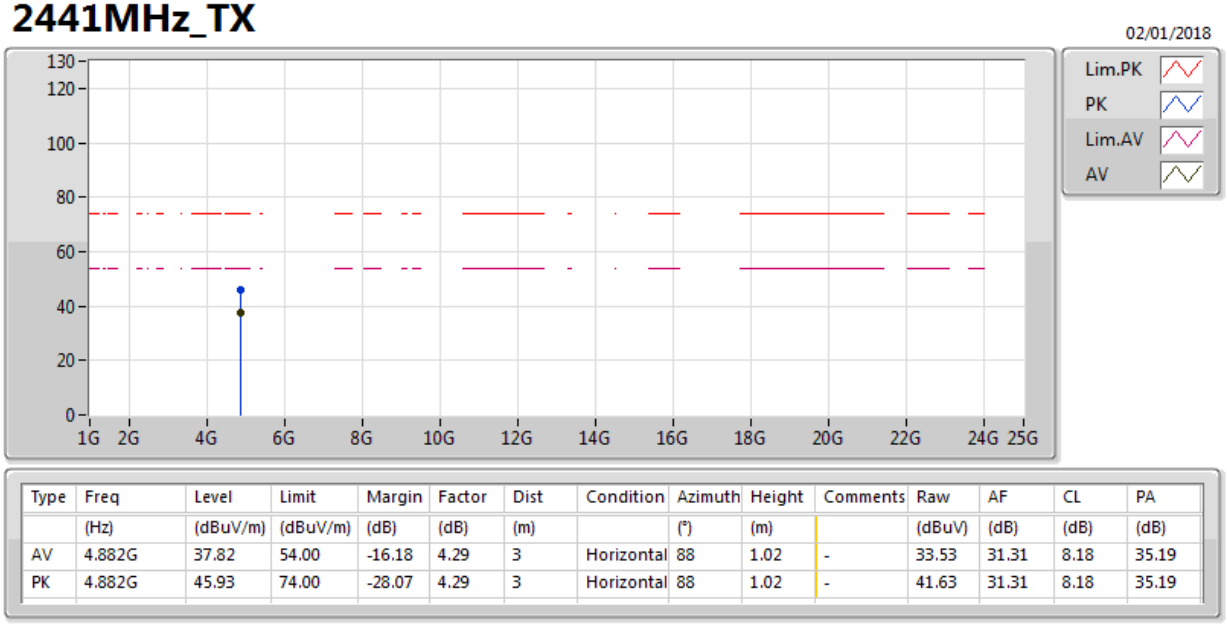
2441MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.882G	34.80	54.00	-19.20	4.29	3	Vertical	269	1.50	-	30.50	31.31	8.18	35.19
PK	4.882G	44.64	74.00	-29.36	4.29	3	Vertical	269	1.50	-	40.35	31.31	8.18	35.19

BT-BR(1Mbps)

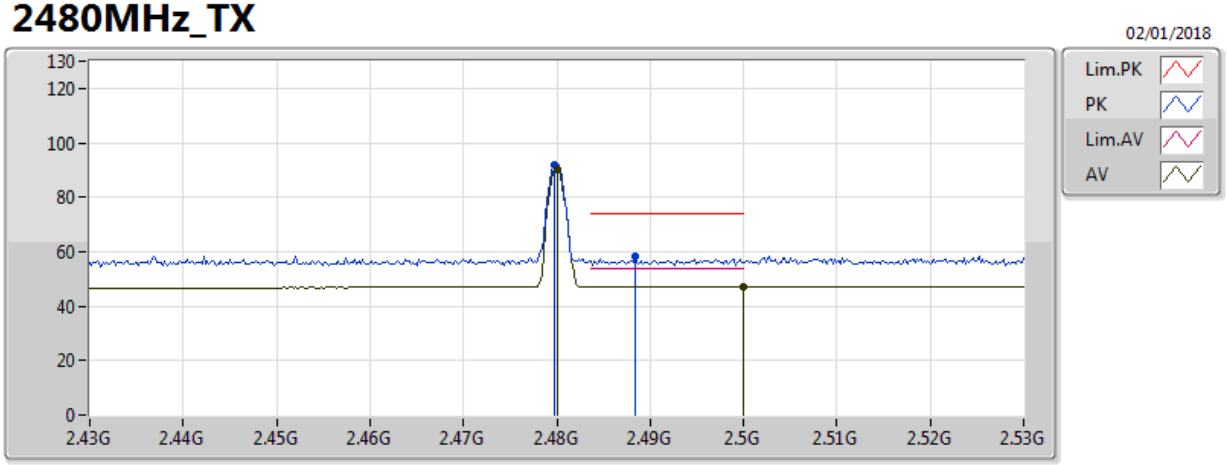
2441MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.882G	37.82	54.00	-16.18	4.29	3	Horizontal	88	1.02	-	33.53	31.31	8.18	35.19
PK	4.882G	45.93	74.00	-28.07	4.29	3	Horizontal	88	1.02	-	41.63	31.31	8.18	35.19

BT-BR(1Mbps)

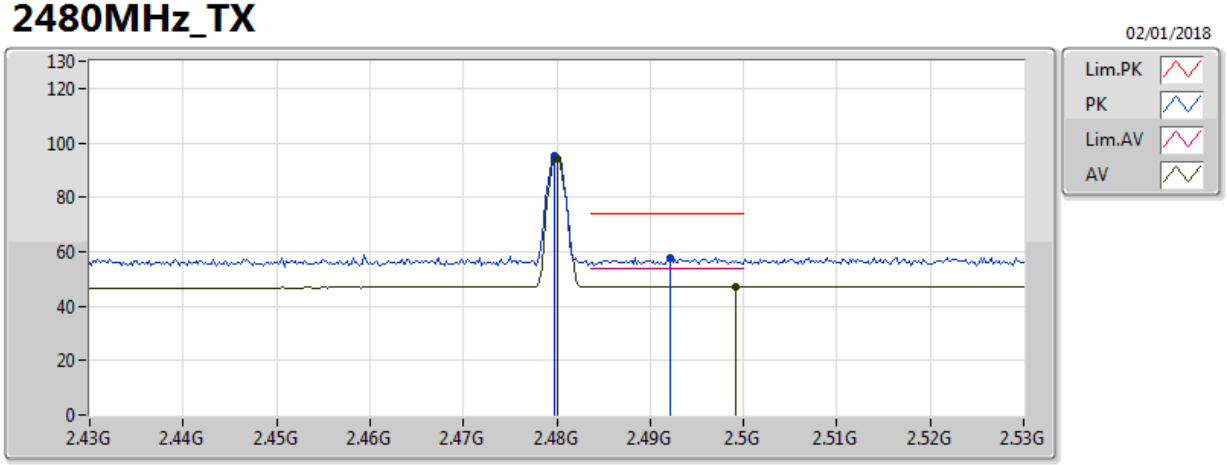
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	90.42	Inf	-Inf	33.08	3	Vertical	60	3.67	-	57.34	27.24	5.84	-
AV	2.5G	47.15	54.00	-6.85	33.16	3	Vertical	60	3.67	-	13.99	27.30	5.86	-
PK	2.4798G	91.69	Inf	-Inf	33.08	3	Vertical	60	3.67	-	58.61	27.24	5.84	-
PK	2.4884G	58.00	74.00	-16.00	33.11	3	Vertical	60	3.67	-	24.89	27.27	5.85	-

BT-BR(1Mbps)

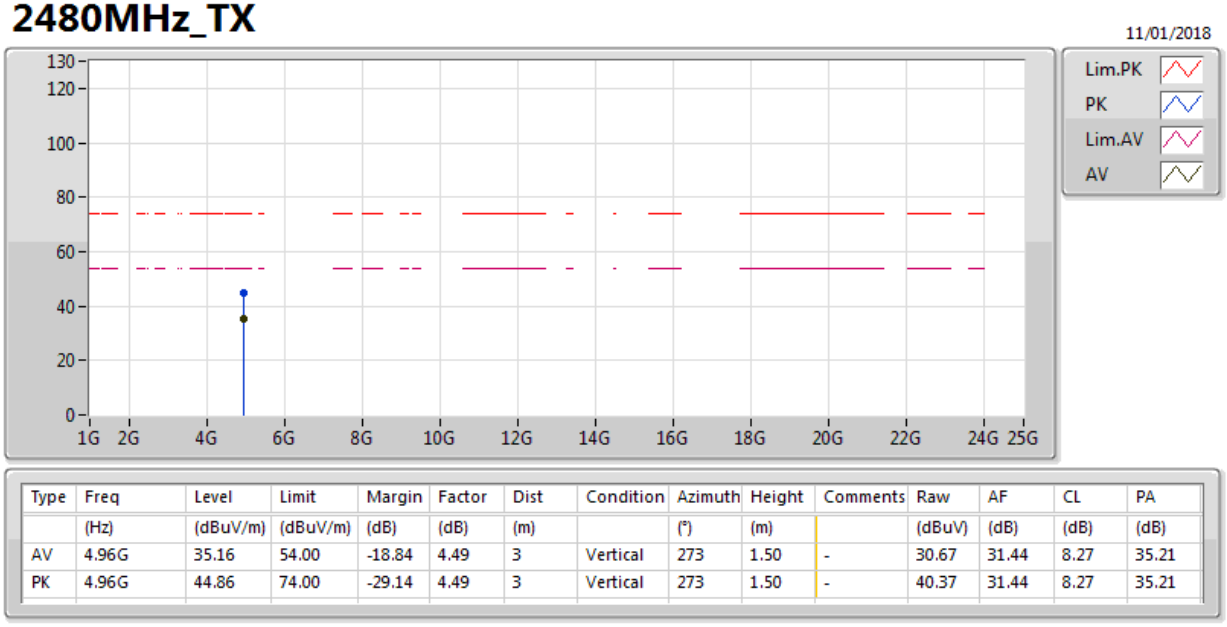
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	94.18	Inf	-Inf	33.08	3	Horizontal	122	3.69	-	61.10	27.24	5.84	-
AV	2.4992G	47.14	54.00	-6.86	33.16	3	Horizontal	122	3.69	-	13.99	27.30	5.86	-
PK	2.4798G	95.42	Inf	-Inf	33.08	3	Horizontal	122	3.69	-	62.34	27.24	5.84	-
PK	2.4922G	57.96	74.00	-16.04	33.13	3	Horizontal	122	3.69	-	24.83	27.28	5.85	-

BT-BR(1Mbps)

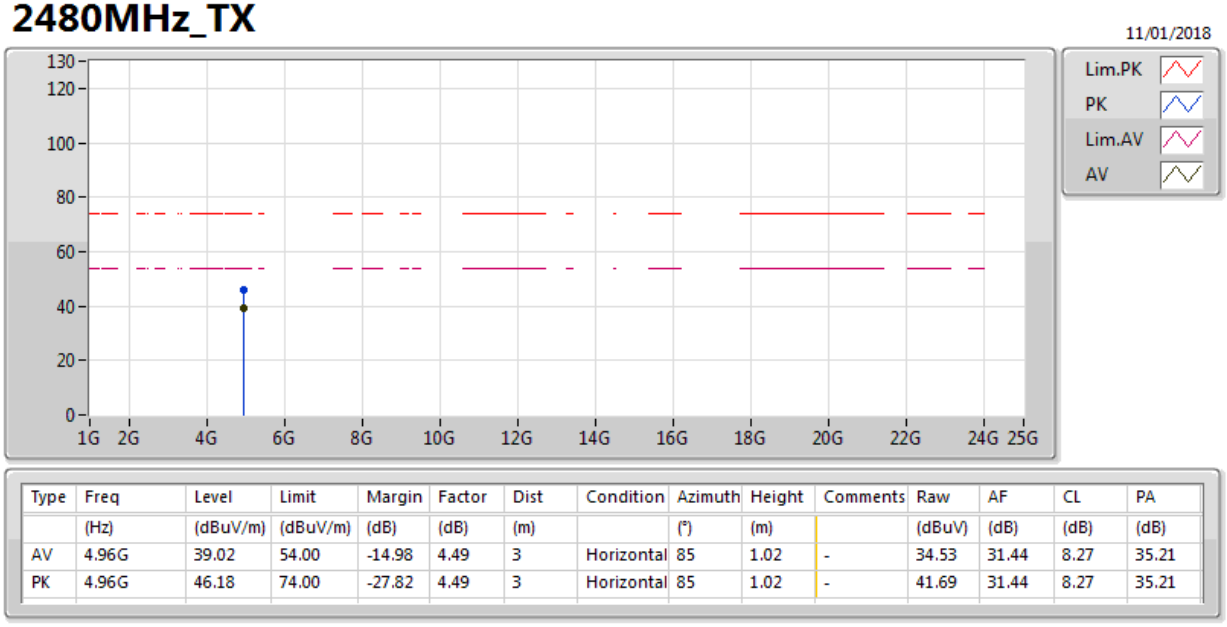
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.96G	35.16	54.00	-18.84	4.49	3	Vertical	273	1.50	-	30.67	31.44	8.27	35.21
PK	4.96G	44.86	74.00	-29.14	4.49	3	Vertical	273	1.50	-	40.37	31.44	8.27	35.21

BT-BR(1Mbps)

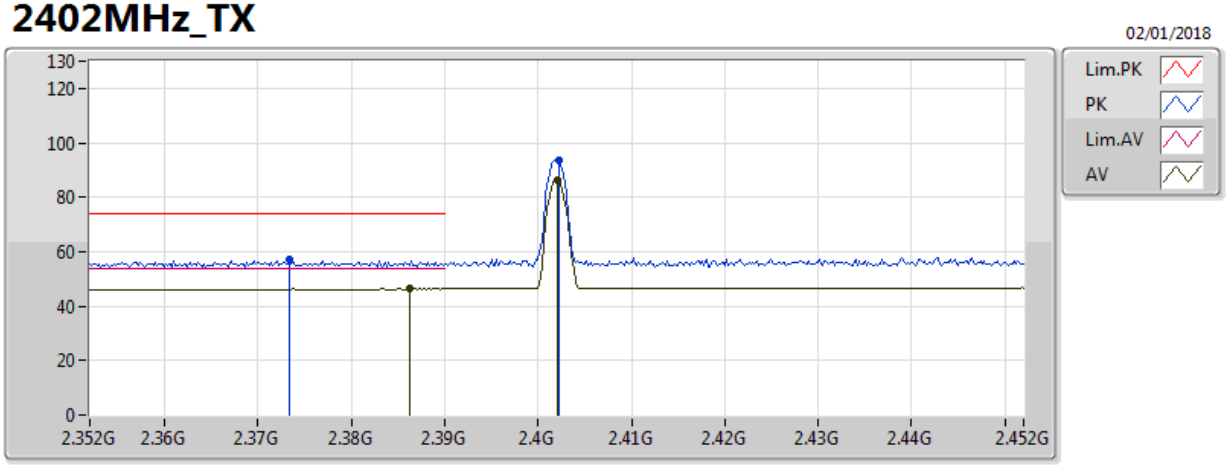
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.96G	39.02	54.00	-14.98	4.49	3	Horizontal	85	1.02	-	34.53	31.44	8.27	35.21
PK	4.96G	46.18	74.00	-27.82	4.49	3	Horizontal	85	1.02	-	41.69	31.44	8.27	35.21

BT-EDR(2Mbps)

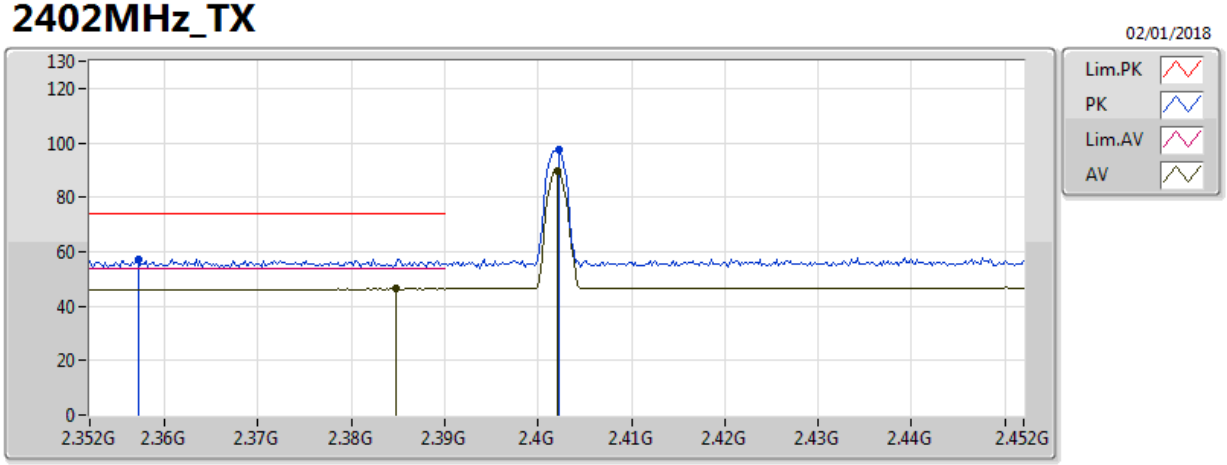
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3862G	46.28	54.00	-7.72	32.71	3	Vertical	64	3.67	-	13.57	26.98	5.72	-
AV	2.402G	86.47	Inf	-Inf	32.77	3	Vertical	64	3.67	-	53.71	27.03	5.74	-
PK	2.3734G	56.98	74.00	-17.02	32.66	3	Vertical	64	3.67	-	24.33	26.95	5.71	-
PK	2.4022G	93.73	Inf	-Inf	32.77	3	Vertical	64	3.67	-	60.96	27.03	5.74	-

BT-EDR(2Mbps)

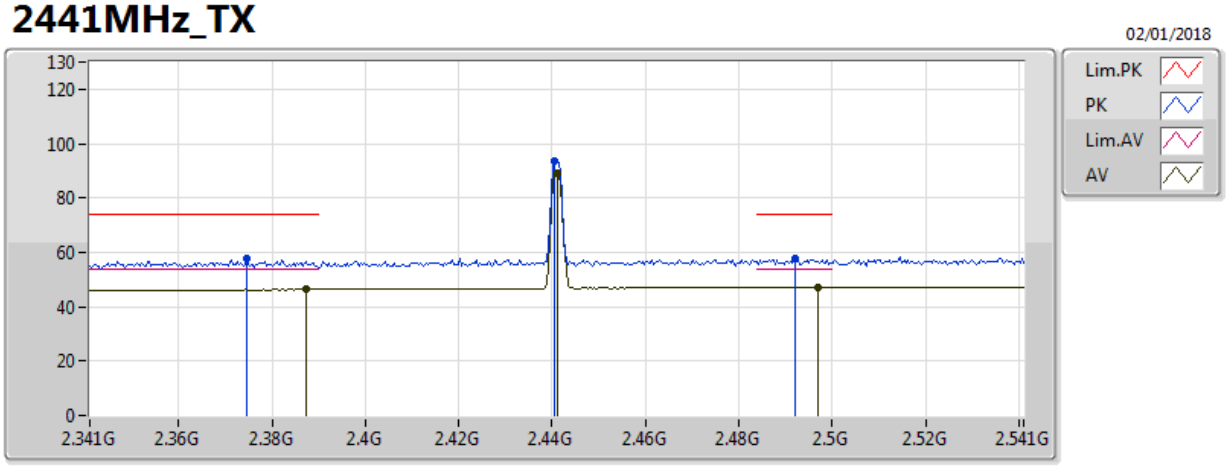
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3848G	46.27	54.00	-7.73	32.70	3	Horizontal	141	3.63	-	13.57	26.98	5.72	-
AV	2.402G	89.92	Inf	-Inf	32.77	3	Horizontal	141	3.63	-	57.15	27.03	5.74	-
PK	2.3572G	57.39	74.00	-16.61	32.59	3	Horizontal	141	3.63	-	24.80	26.90	5.69	-
PK	2.4022G	97.23	Inf	-Inf	32.77	3	Horizontal	141	3.63	-	64.46	27.03	5.74	-

BT-EDR(2Mbps)

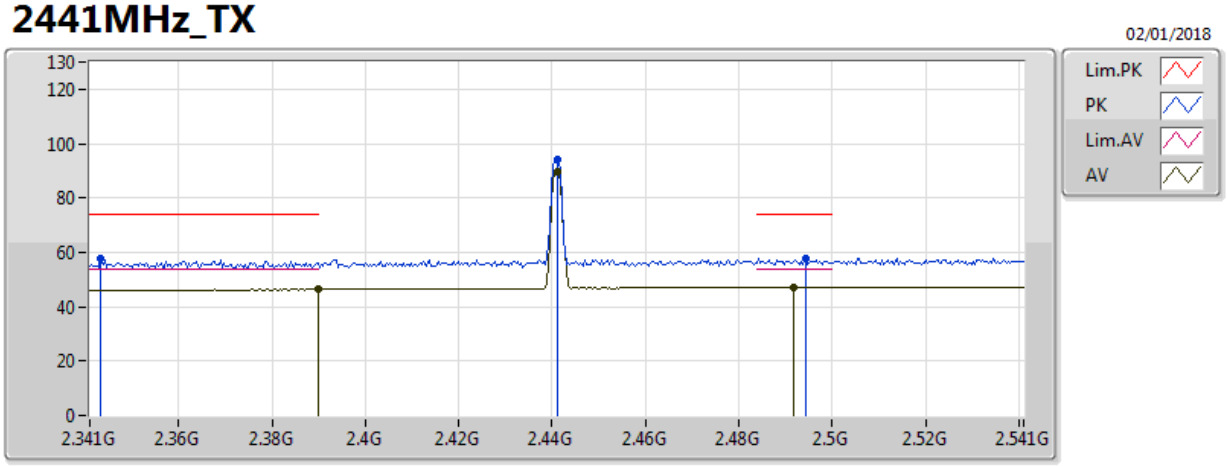
2441MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3874G	46.31	54.00	-7.69	32.71	3	Vertical	71	3.69	-	13.60	26.98	5.73	-
AV	2.441G	89.04	Inf	-Inf	32.92	3	Vertical	71	3.69	-	56.11	27.13	5.79	-
AV	2.497G	47.13	54.00	-6.87	33.15	3	Vertical	71	3.69	-	13.98	27.29	5.86	-
PK	2.3746G	57.52	74.00	-16.48	32.66	3	Vertical	71	3.69	-	24.86	26.95	5.71	-
PK	2.4406G	93.46	Inf	-Inf	32.92	3	Vertical	71	3.69	-	60.53	27.13	5.79	-
PK	2.4922G	57.46	74.00	-16.54	33.13	3	Vertical	71	3.69	-	24.33	27.28	5.85	-

BT-EDR(2Mbps)

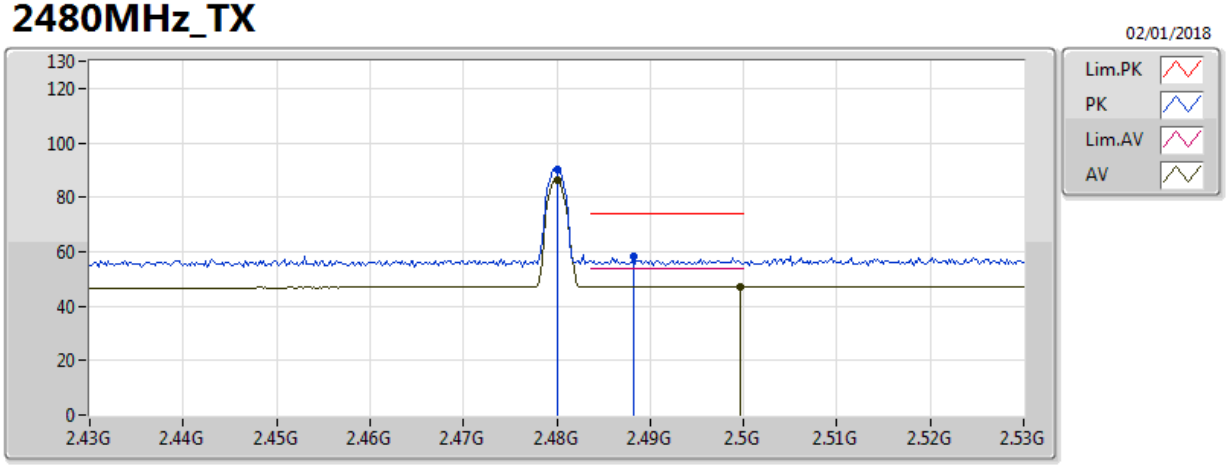
2441MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	46.32	54.00	-7.68	32.72	3	Horizontal	122	3.59	-	13.60	26.99	5.73	-
AV	2.441G	89.56	Inf	-Inf	32.92	3	Horizontal	122	3.59	-	56.64	27.13	5.79	-
AV	2.4918G	47.13	54.00	-6.87	33.13	3	Horizontal	122	3.59	-	14.00	27.28	5.85	-
PK	2.3434G	57.45	74.00	-16.55	32.54	3	Horizontal	122	3.59	-	24.91	26.86	5.68	-
PK	2.441G	93.96	Inf	-Inf	32.92	3	Horizontal	122	3.59	-	61.04	27.13	5.79	-
PK	2.4942G	57.87	74.00	-16.13	33.14	3	Horizontal	122	3.59	-	24.73	27.28	5.85	-

BT-EDR(2Mbps)

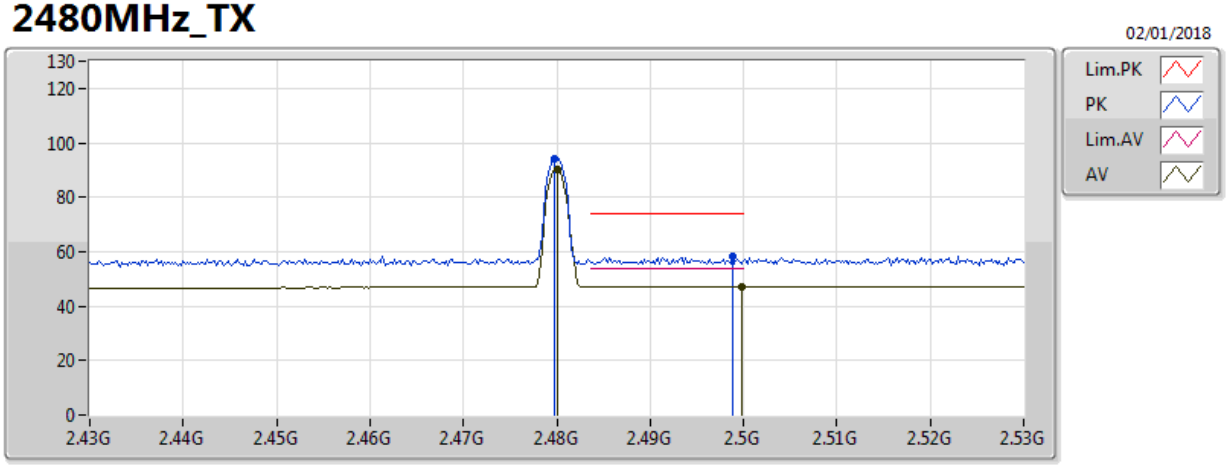
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	86.38	Inf	-Inf	33.08	3	Vertical	68	3.56	-	53.30	27.24	5.84	-
AV	2.4996G	47.17	54.00	-6.83	33.16	3	Vertical	68	3.56	-	14.02	27.30	5.86	-
PK	2.48G	90.14	Inf	-Inf	33.08	3	Vertical	68	3.56	-	57.06	27.24	5.84	-
PK	2.4882G	58.31	74.00	-15.69	33.11	3	Vertical	68	3.56	-	25.19	27.27	5.85	-

BT-EDR(2Mbps)

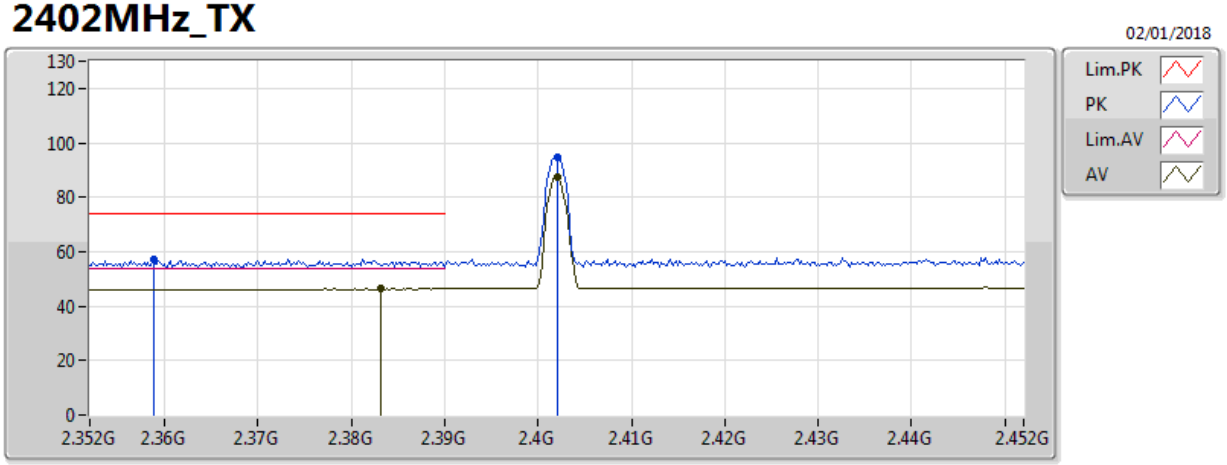
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	90.47	Inf	-Inf	33.08	3	Horizontal	127	3.40	-	57.39	27.24	5.84	-
AV	2.4998G	47.14	54.00	-6.86	33.16	3	Horizontal	127	3.40	-	13.98	27.30	5.86	-
PK	2.4798G	94.24	Inf	-Inf	33.08	3	Horizontal	127	3.40	-	61.16	27.24	5.84	-
PK	2.4988G	58.29	74.00	-15.71	33.16	3	Horizontal	127	3.40	-	25.13	27.30	5.86	-

BT-EDR(3Mbps)

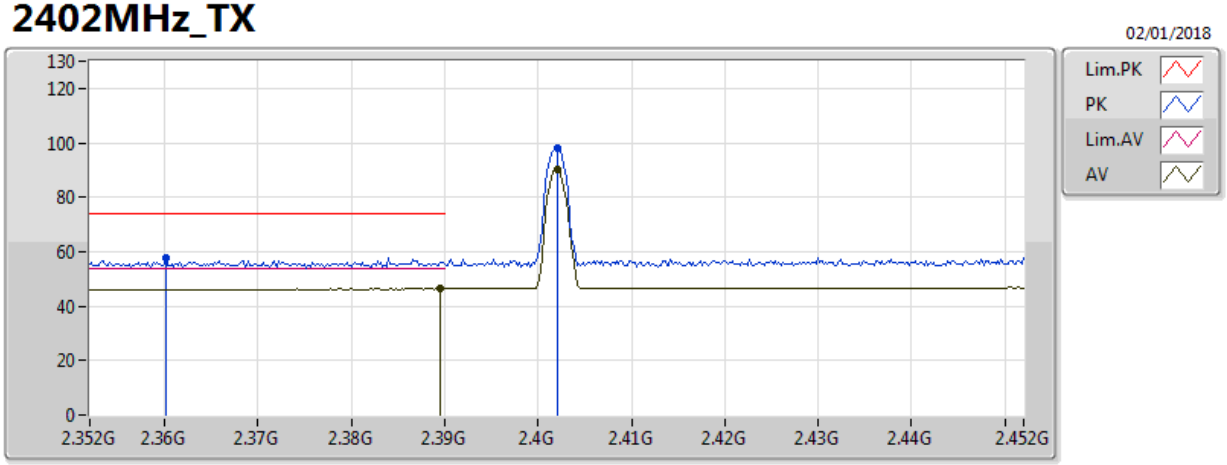
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3832G	46.28	54.00	-7.72	32.69	3	Vertical	82	3.67	-	13.59	26.97	5.72	-
AV	2.402G	87.33	Inf	-Inf	32.77	3	Vertical	82	3.67	-	54.56	27.03	5.74	-
PK	2.3588G	57.07	74.00	-16.93	32.60	3	Vertical	82	3.67	-	24.47	26.90	5.69	-
PK	2.402G	94.84	Inf	-Inf	32.77	3	Vertical	82	3.67	-	62.07	27.03	5.74	-

BT-EDR(3Mbps)

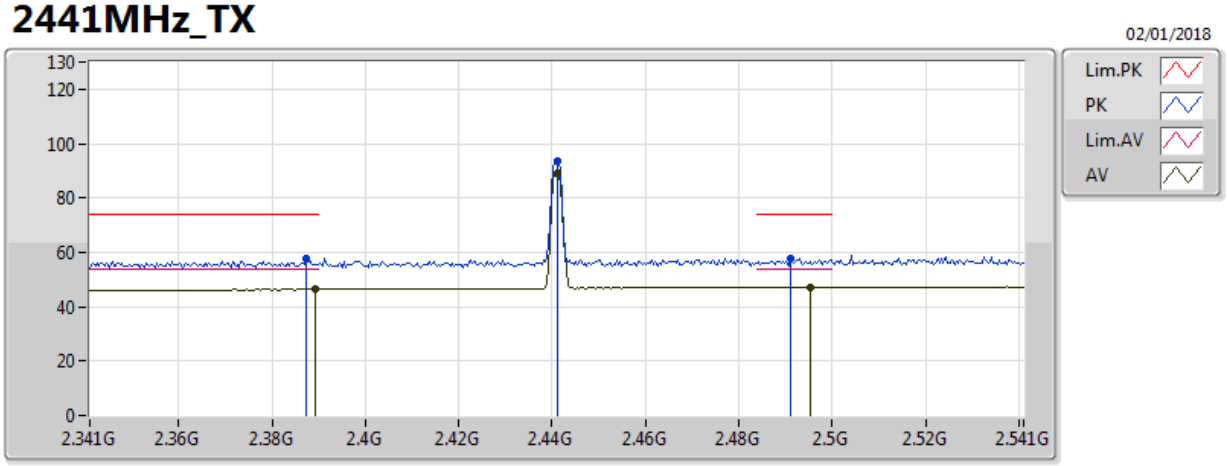
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3896G	46.31	54.00	-7.69	32.72	3	Horizontal	135	3.60	-	13.59	26.99	5.73	-
AV	2.402G	90.22	Inf	-Inf	32.77	3	Horizontal	135	3.60	-	57.45	27.03	5.74	-
PK	2.3602G	57.95	74.00	-16.05	32.60	3	Horizontal	135	3.60	-	25.34	26.91	5.70	-
PK	2.402G	97.79	Inf	-Inf	32.77	3	Horizontal	135	3.60	-	65.02	27.03	5.74	-

BT-EDR(3Mbps)

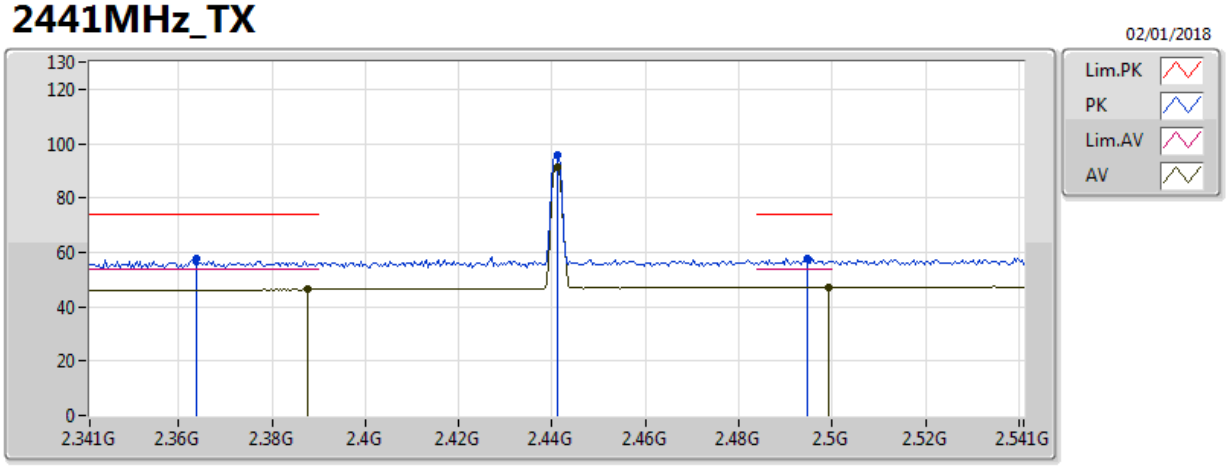
2441MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3894G	46.31	54.00	-7.69	32.72	3	Vertical	66	3.68	-	13.59	26.99	5.73	-
AV	2.441G	89.18	Inf	-Inf	32.92	3	Vertical	66	3.68	-	56.25	27.13	5.79	-
AV	2.4954G	47.13	54.00	-6.87	33.14	3	Vertical	66	3.68	-	13.99	27.29	5.85	-
PK	2.3874G	57.53	74.00	-16.47	32.71	3	Vertical	66	3.68	-	24.82	26.98	5.73	-
PK	2.441G	93.79	Inf	-Inf	32.92	3	Vertical	66	3.68	-	60.87	27.13	5.79	-
PK	2.491G	57.79	74.00	-16.21	33.12	3	Vertical	66	3.68	-	24.67	27.27	5.85	-

BT-EDR(3Mbps)

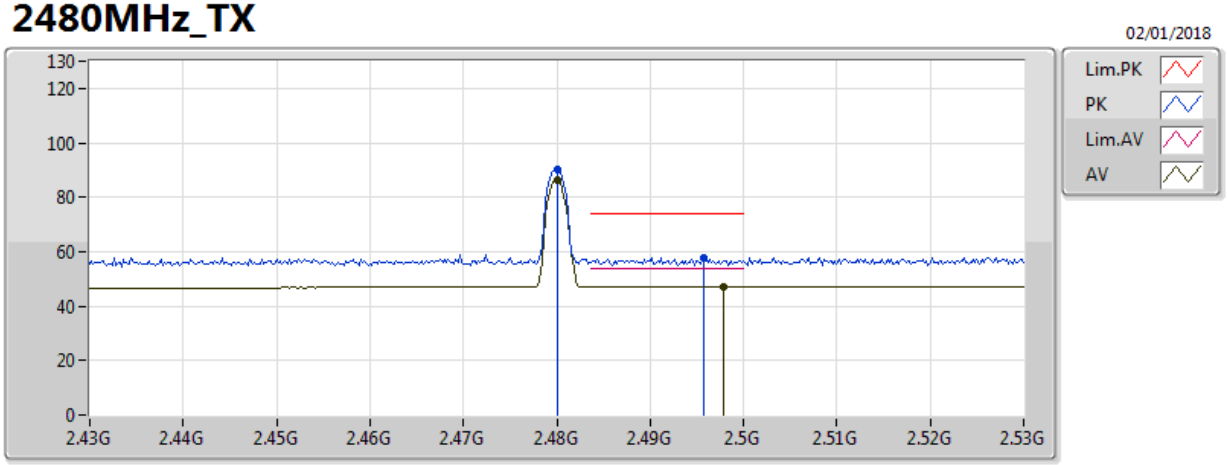
2441MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3878G	46.29	54.00	-7.71	32.71	3	Horizontal	134	3.49	-	13.58	26.99	5.73	-
AV	2.441G	91.08	Inf	-Inf	32.92	3	Horizontal	134	3.49	-	58.16	27.13	5.79	-
AV	2.4994G	47.15	54.00	-6.85	33.16	3	Horizontal	134	3.49	-	14.00	27.30	5.86	-
PK	2.3638G	57.65	74.00	-16.35	32.62	3	Horizontal	134	3.49	-	25.03	26.92	5.70	-
PK	2.441G	95.55	Inf	-Inf	32.92	3	Horizontal	134	3.49	-	62.63	27.13	5.79	-
PK	2.4946G	57.91	74.00	-16.09	33.14	3	Horizontal	134	3.49	-	24.77	27.28	5.85	-

BT-EDR(3Mbps)

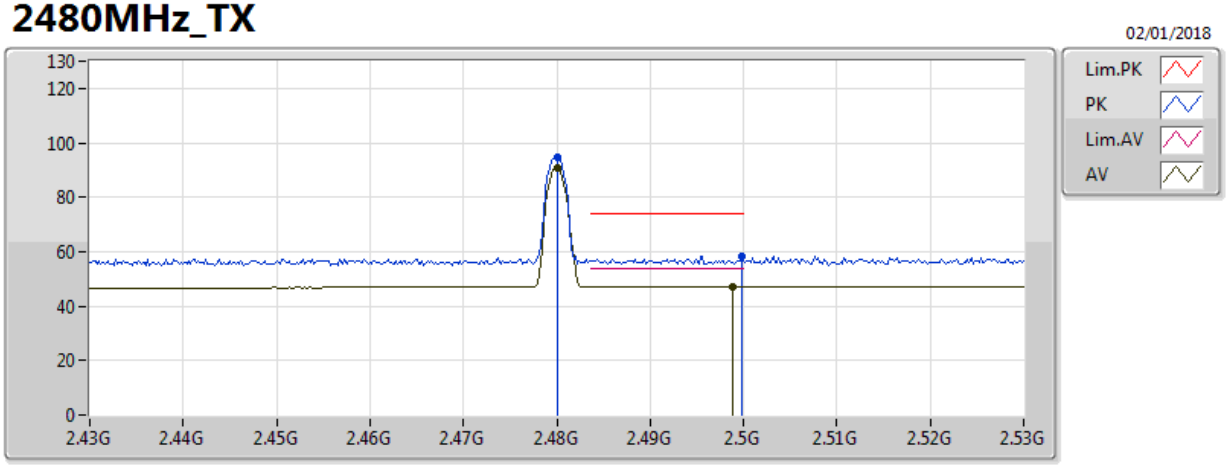
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	86.45	Inf	-Inf	33.08	3	Vertical	57	3.65	-	53.37	27.24	5.84	-
AV	2.4978G	47.14	54.00	-6.86	33.15	3	Vertical	57	3.65	-	13.99	27.29	5.86	-
PK	2.48G	90.43	Inf	-Inf	33.08	3	Vertical	57	3.65	-	57.35	27.24	5.84	-
PK	2.4958G	57.94	74.00	-16.06	33.14	3	Vertical	57	3.65	-	24.80	27.29	5.85	-

BT-EDR(3Mbps)

2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	90.84	Inf	-Inf	33.08	3	Horizontal	143	3.38	-	57.76	27.24	5.84	-
AV	2.4988G	47.17	54.00	-6.83	33.16	3	Horizontal	143	3.38	-	14.02	27.30	5.86	-
PK	2.48G	94.82	Inf	-Inf	33.08	3	Horizontal	143	3.38	-	61.74	27.24	5.84	-
PK	2.4998G	58.13	74.00	-15.87	33.16	3	Horizontal	143	3.38	-	24.97	27.30	5.86	-