FCC Test Report

FCC ID	:	**QYLAP6255M**
Equipment	:	**Tablet**
Brand Name	:	**Getac**
Model Name	:	**MX50**
Applicant	:	**Getac Technology Corporation. 5F., Building A, No. 209, Sec.1, Nangang Rd., Nangang Dist., Taipei City 11568, Taiwan, R.O.C.**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Aug. 07, 2018, and testing was started from Aug. 29, 2018 and completed on Aug. 31, 2018. 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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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PHOTOGRAPHS OF EUT V01

History of this test report

Report No.	Version	Description	Issued Date
FR680937-09AD	01	Initial issue of report	Nov. 08, 2018

Summary of Test Result

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

Reviewed by: Sam Tsai

Report Producer: Jenny Yang

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.	Brand	Model Name	Antenna Type	Connector
1	Getac	MX_50	Chip antenna	I-PEX
2	-	-	PIFA antenna	I-PEX

Ant.	Port	Gain (dBi)						
		2.4G	5G				BT	GPS
			U-NII-1	U-NII-2A	U-NII-2C	U-NII-3		
1	1	0.94	-0.61	0.74	0.99	1	0.94	-
2	2	-	-	-	-	-	-	N/A

Note 1: The EUT has two antennas.

For 2.4GHz function:

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

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

For BT function:

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

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

For 5GHz function:

For IEEE 802.11 a/n/ac 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-BR(1Mbps)	0.785	1.051	2.888m	1k
BT-EDR(2Mbps)	0.785	1.051	2.89m	1k
BT-EDR(3Mbps)	0.786	1.046	2.893m	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
- KDB 558074 D01 v05
- 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	TH06-HY	Tim	26.3°C / 63%	30/Aug/2018
Radiated	03CH09-HY	Andy	22.5°C / 58%	31/Aug/2018
AC Conduction	CO04-HY	Jerry	24.5°C / 55.5%	31/Aug/2018

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%
Temperature	0.7 ℃	Confidence levels of 95%
Humidity	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	RFTestTool

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	Bluetooth+WLAN 2.4GHz
2	Bluetooth+WLAN 5GHz
Refer to Sporton Test Report No.: FA680937-09 for Co-location RF Exposure Evaluation and Appendix H for Radiated Emission Co-location.	

2.4 Accessories and Support Equipment

Accessories				
AC Adapter	Brand Name	TPT	Model Name	NSS050200BU
	Power Rating	I/P: 100-240Vac, 0.3A, O/P: 5Vdc, 2A		
Battery 1	Brand Name	Getac	Model Name	BP1S1P4240L
	Power Rating	3.8Vdc, 4240mAh	Type	Li-ion
WLAN Module	Brand Name	AMPAK	Model Name	AP6255
GPS Module	Brand Name	Ublox	Model Name	MAX-M8Q

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

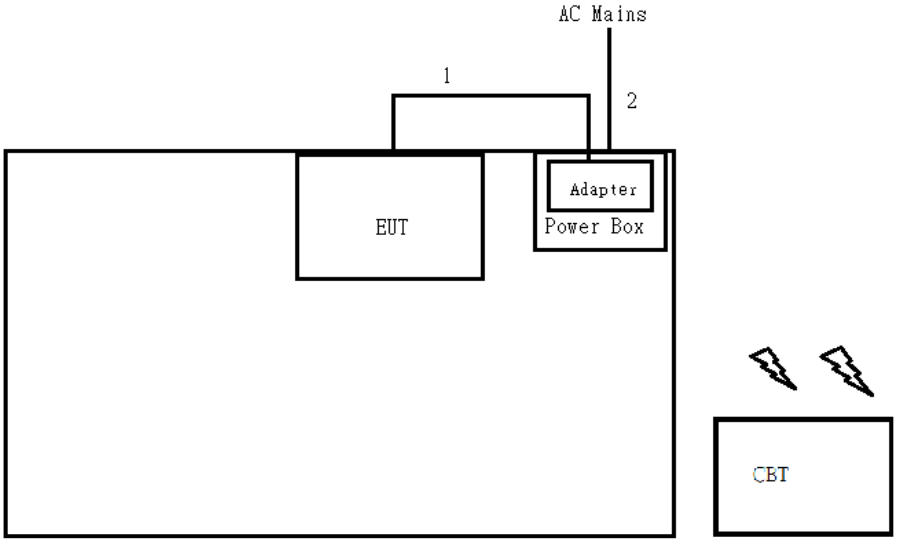
Support Equipment – AC Conduction				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Bluetooth Tester (remote)	R&S	CBT	N/A

Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Bluetooth Tester (remote)	R&S	CBT	N/A

Support Equipment – Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Bluetooth Tester (remote)	R&S	CBT	N/A

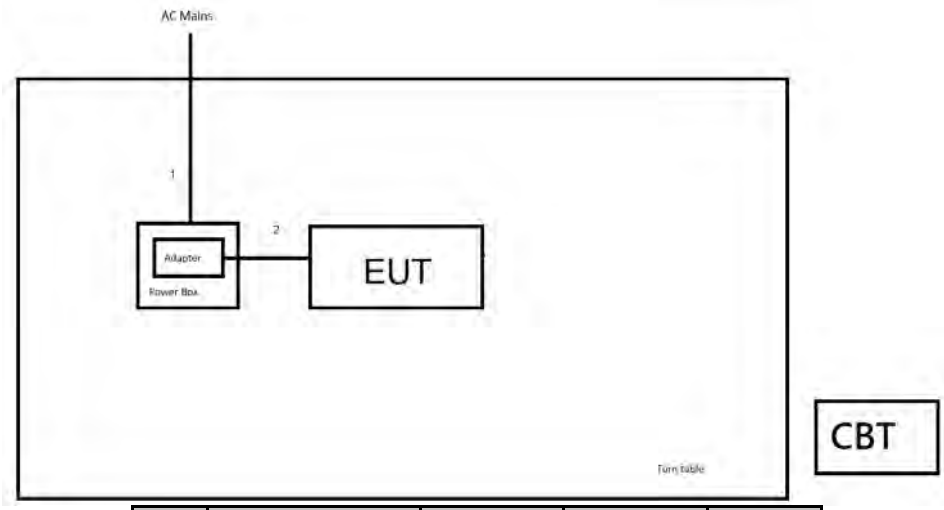
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	USB Cable	No	1.2m	-
2	AC Power line	No	1.5m	

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.8m	-
2	DC Power line	No	1.2m	-

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

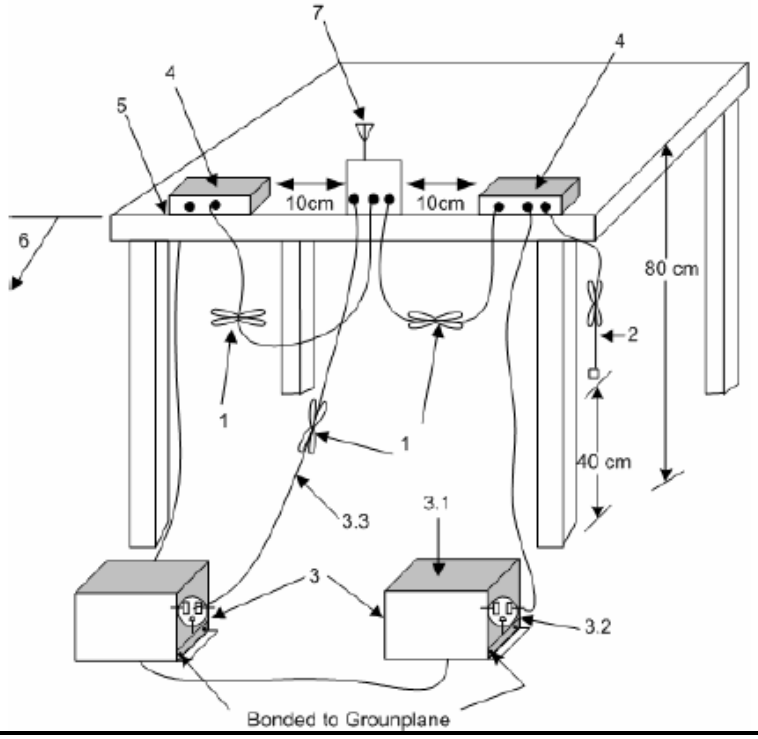
Refer a test equipment and calibration data table in this test report.

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	
▪ 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).
N:Number of Hopping Frequencies; **ChS**: Hopping Channel Separation	

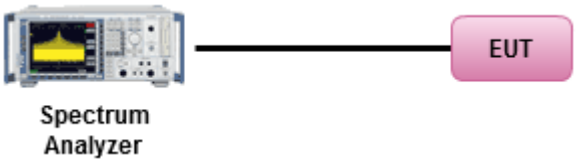
3.2.2 Measuring Instruments

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


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	
▪ 2400-2483.5 MHz Band:	
	▪ N ≥ 75; Power 30dBm; EIRP 36dBm
	▪ 75 >N ≥ 15; Power 21dBm; EIRP 27dBm
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	
▪ 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).
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

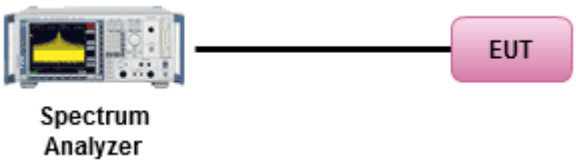
3.4.3 Measuring Instruments

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
▪ 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
N:Number of Hopping Frequencies

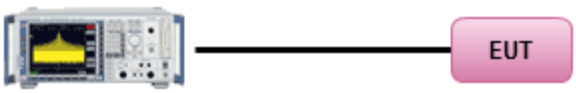
3.5.2 Measuring Instruments

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)
 Spectrum Analyzer

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.	

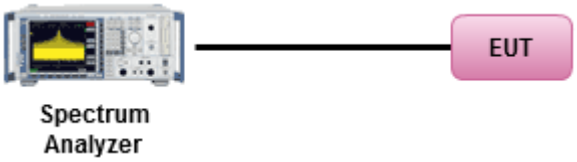
3.6.2 Measuring Instruments

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.

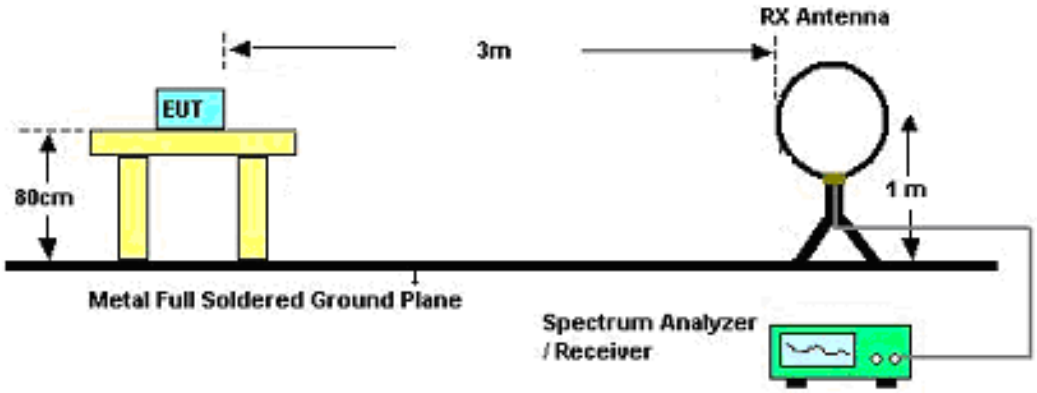
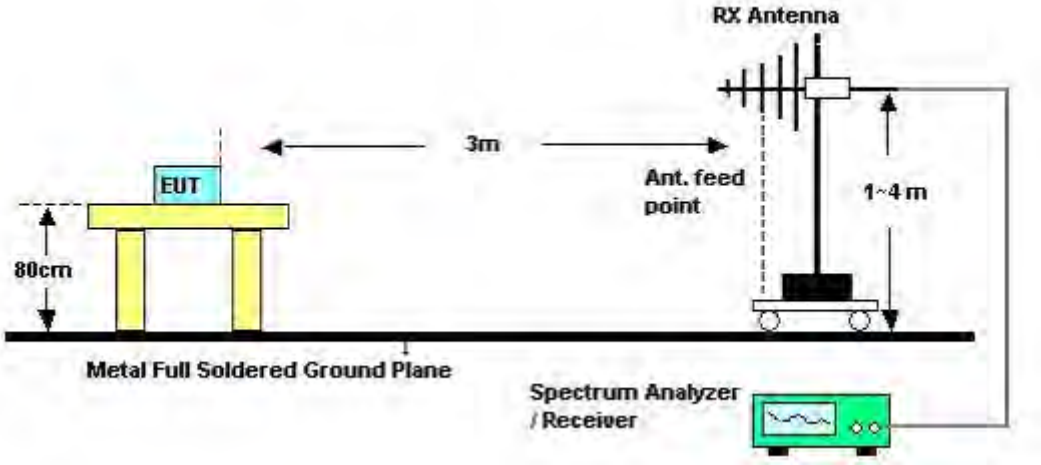
3.7.2 Measuring Instruments

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

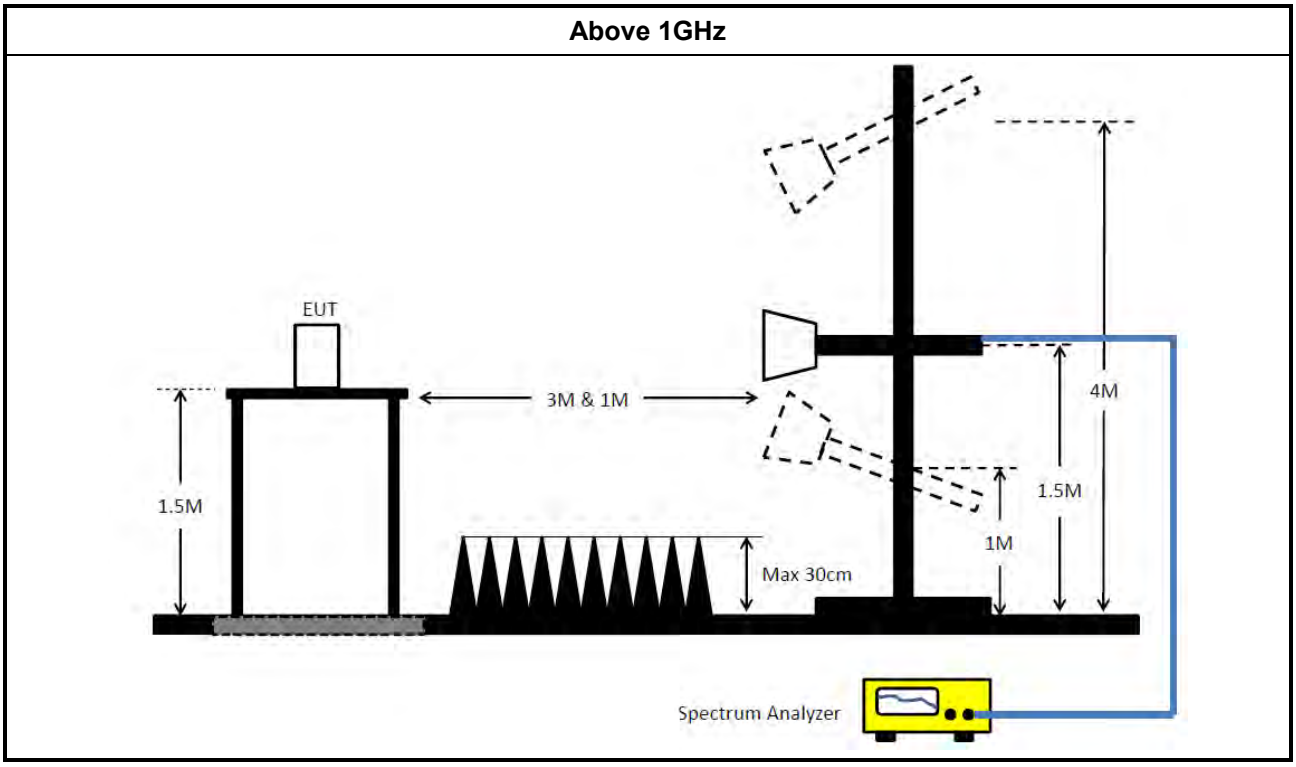
3.7.3 Test Procedures

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	ESR	102051	9KHz ~ 3.6GHz	03/May/2018	02/May/2019
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	17/Nov/2017	16/Nov/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 Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2017	11/Oct/2018

NCR : Non-Calibration Require

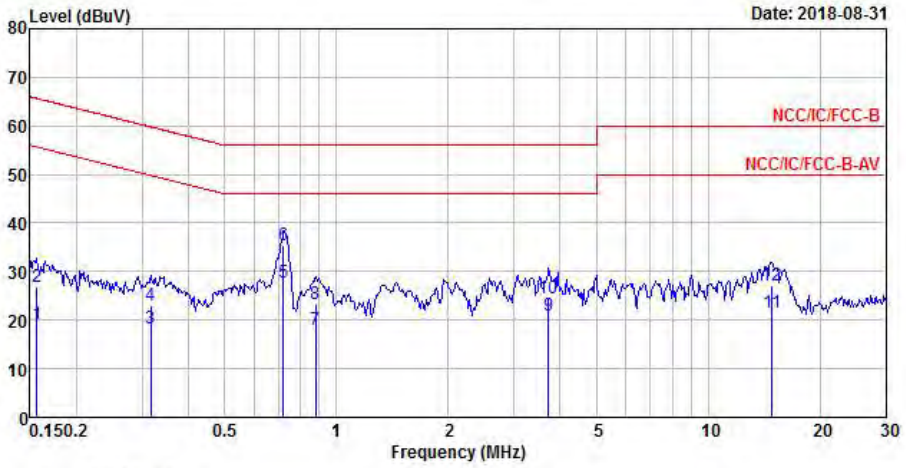
Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9kHz~40GHz	29/Dec/2017	28/Dec/2018
Signal Generator	R&S	SMB100A	175727	100kHz~40GHz	26/Oct/2017	25/Oct/2018
Pulse Power Sensor	Anritsu	MA2411B	1027452	300MHz ~ 40GHz	27/Feb/2018	26/Feb/2019
Power Meter	Anritsu	ML2495A	1124009	300MHz ~ 40GHz	27/Feb/2018	26/Feb/2019
CABLE 0.2m	HUBER	MY37960/4	RF Cable - 17	1 to 18GHz	17/Jan/2018	16/Jan/2019
CABLE 0.2m	HUBER	MY37960/4	RF Cable - 17	30 to 1000MHz	17/Jan/2018	16/Jan/2019
CABLE 0.5m	HUBER	MY37963/4	RF Cable - 22	1 to 18GHz	17/Jan/2018	16/Jan/2019

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	23/Apr/2018	22/Apr/2019
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	14/Jun/2018	13/Jun/2019
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	10/May/2018	09/May/2019
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	27/Apr/2018	26/Apr/2019
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	31/Jul/2018	30/Jul/2019
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D & MTJ6102-05	35418 / 3	30MHz~1GHz	09/Sep/2017	08/Sep/2018
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	30/Apr/2018	29/Apr/2019
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170614	18GHz~40GHz	09/Feb/2018	08/Feb/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	29/Mar/2018	28/Mar/2019
RF Cable-R03m	Jye Bao	RG142	CB031	9kHz ~ 1GHz	1/Feb/2018	31/Jan/2019
RF Cable-high	HUBER+SUHNER	SUCOFLEX104	SN 556626/4 + 556627	1GHz ~ 40GHz	14/Mar/2018	13/Mar/2019

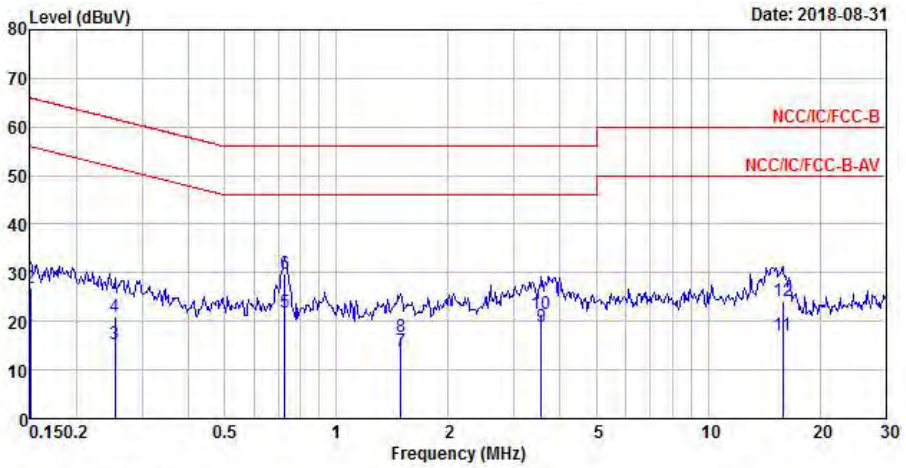
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Adapter Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	19.15	-36.50	55.65	9.48	9.63	0.04	Average
2	0.16	26.89	-38.76	65.65	17.22	9.63	0.04	QP
3	0.32	18.20	-31.60	49.80	8.52	9.61	0.07	Average
4	0.32	23.12	-36.68	59.80	13.44	9.61	0.07	QP
5 MAX	0.72	27.72	-18.28	46.00	18.06	9.62	0.04	Average
6	0.72	35.56	-20.44	56.00	25.90	9.62	0.04	QP
7	0.88	17.98	-28.02	46.00	8.35	9.62	0.01	Average
8	0.88	23.21	-32.79	56.00	13.58	9.62	0.01	QP
9	3.72	20.86	-25.14	46.00	11.14	9.64	0.08	Average
10	3.72	24.41	-31.59	56.00	14.69	9.64	0.08	QP
11	14.83	21.69	-28.31	50.00	11.98	9.70	0.01	Average
12	14.83	27.16	-32.84	60.00	17.45	9.70	0.01	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	0.15	19.01	-36.99	56.00	9.35	9.62	0.04	Average
2	0.15	26.83	-39.17	66.00	17.17	9.62	0.04	QP
3	0.25	15.32	-36.32	51.64	5.67	9.62	0.03	Average
4	0.25	21.01	-40.63	61.64	11.36	9.62	0.03	QP
5 MAX	0.73	21.92	-24.08	46.00	12.28	9.61	0.03	Average
6	0.73	29.70	-26.30	56.00	20.06	9.61	0.03	QP
7	1.49	13.99	-32.01	46.00	4.37	9.62	0.00	Average
8	1.49	16.87	-39.13	56.00	7.25	9.62	0.00	QP
9	3.57	18.82	-27.18	46.00	9.12	9.63	0.07	Average
10	3.57	21.69	-34.31	56.00	11.99	9.63	0.07	QP
11	15.89	17.06	-32.94	50.00	7.39	9.63	0.04	Average
12	15.89	24.11	-35.89	60.00	14.44	9.63	0.04	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)	920k	905.797k	906KF1D	916.25k	897.051k
BT-EDR(2Mbps)	1.345M	1.226M	1M23G1D	1.339M	1.226M
BT-EDR(3Mbps)	1.338M	1.228M	1M23G1D	1.335M	1.218M

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;

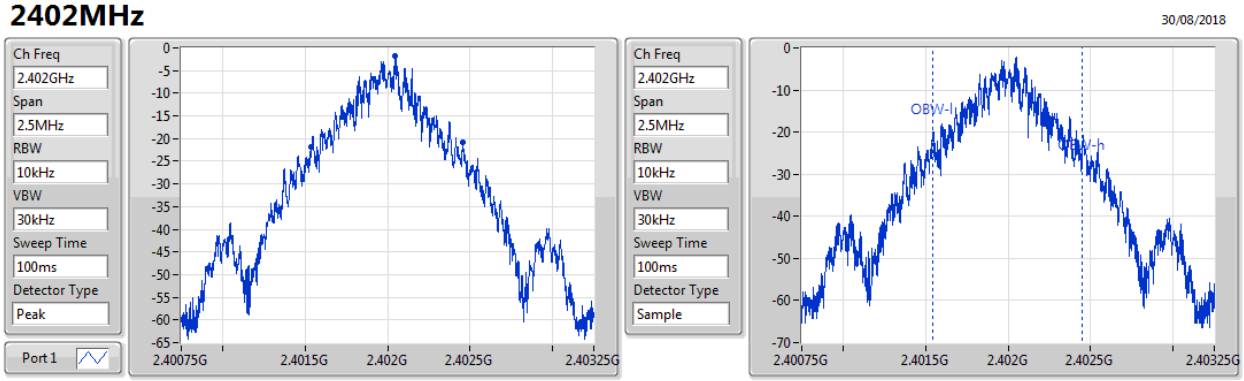
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	Inf	920k	905.797k
2441MHz_TnomVnom	Pass	Inf	920k	904.548k
2480MHz_TnomVnom	Pass	Inf	916.25k	897.051k
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	Inf	1.339M	1.226M
2441MHz_TnomVnom	Pass	Inf	1.345M	1.226M
2480MHz_TnomVnom	Pass	Inf	1.34M	1.226M
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	Inf	1.338M	1.228M
2441MHz_TnomVnom	Pass	Inf	1.335M	1.228M
2480MHz_TnomVnom	Pass	Inf	1.335M	1.218M

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

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

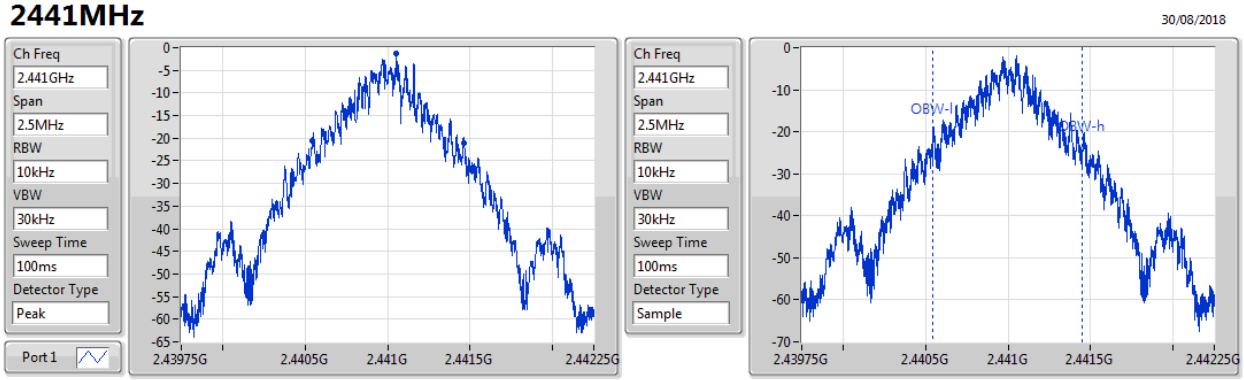
2402MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
920k	2.401539G	2.402459G	905.797k	2.401541G	2.402447G	Inf	1

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

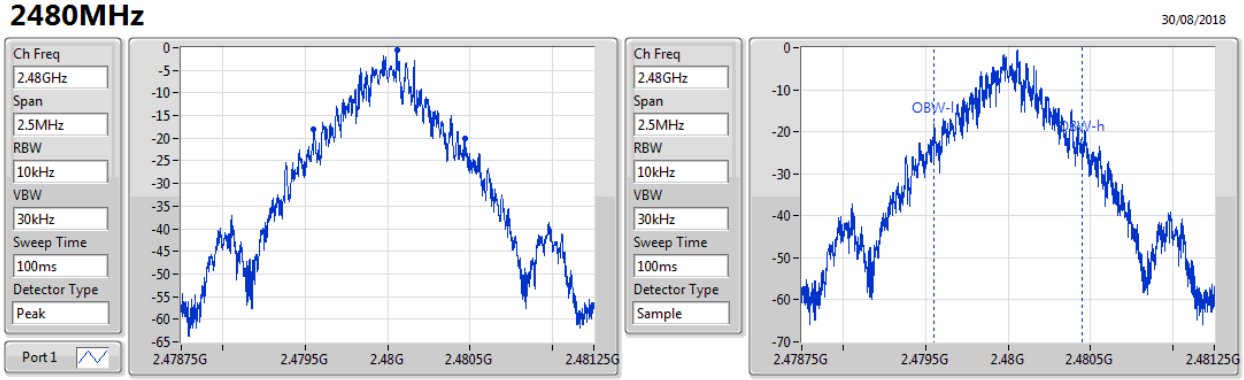
2441MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
920k	2.440545G	2.441465G	904.548k	2.440546G	2.441451G	Inf	1

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

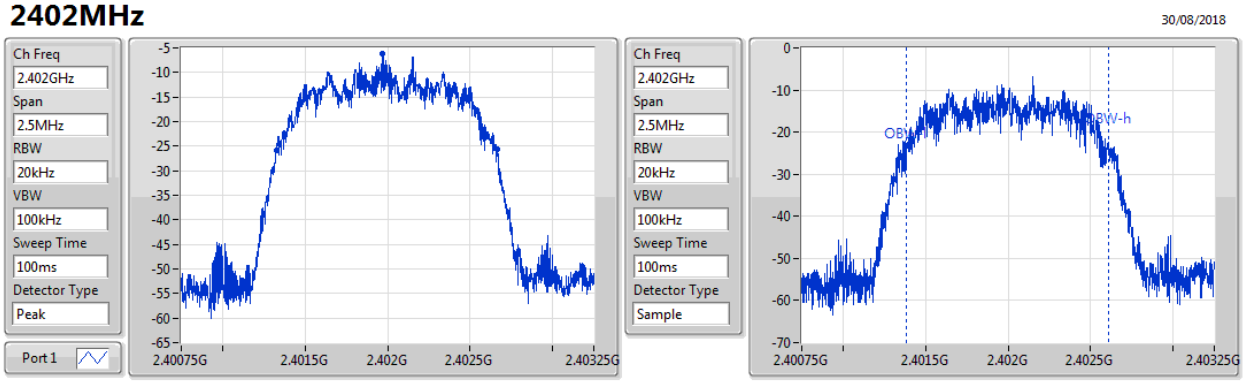
2480MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
916.25k	2.479553G	2.480469G	897.051k	2.479549G	2.480446G	Inf	1

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

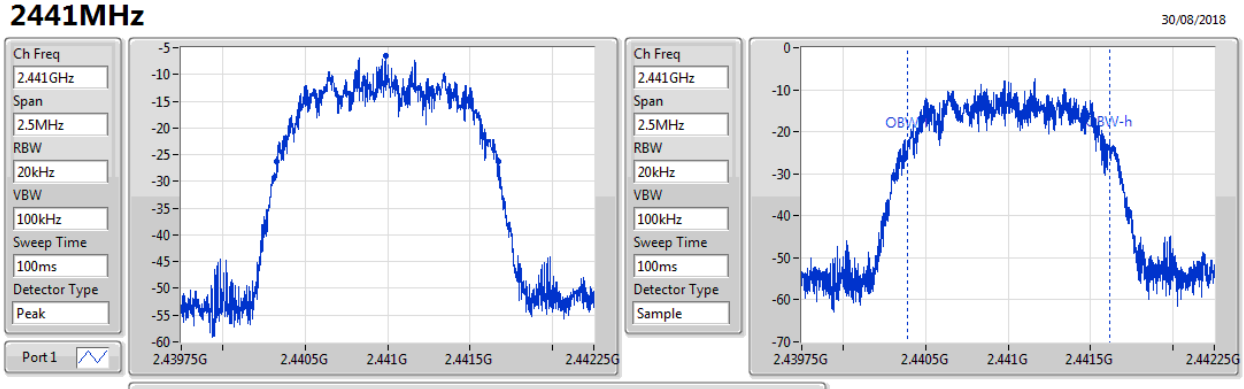
2402MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.339M	2.401325G	2.402664G	1.226M	2.401384G	2.40261G	Inf	1

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

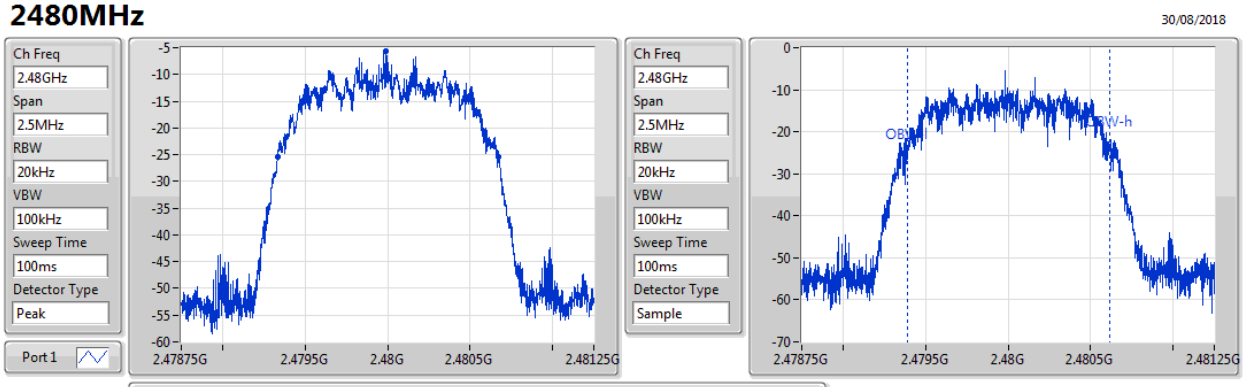
2441MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.345M	2.440328G	2.441673G	1.226M	2.440389G	2.441615G	Inf	1

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

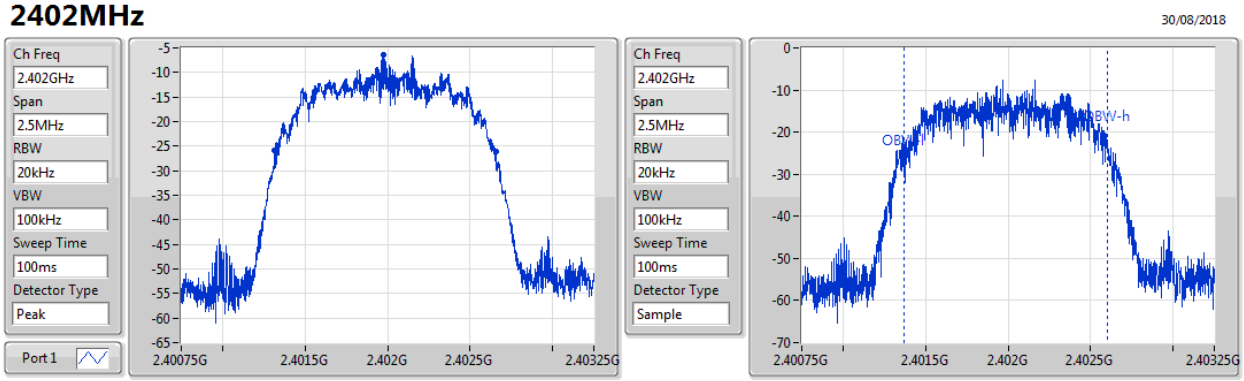
2480MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.34M	2.479334G	2.480674G	1.226M	2.479389G	2.480615G	Inf	1

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

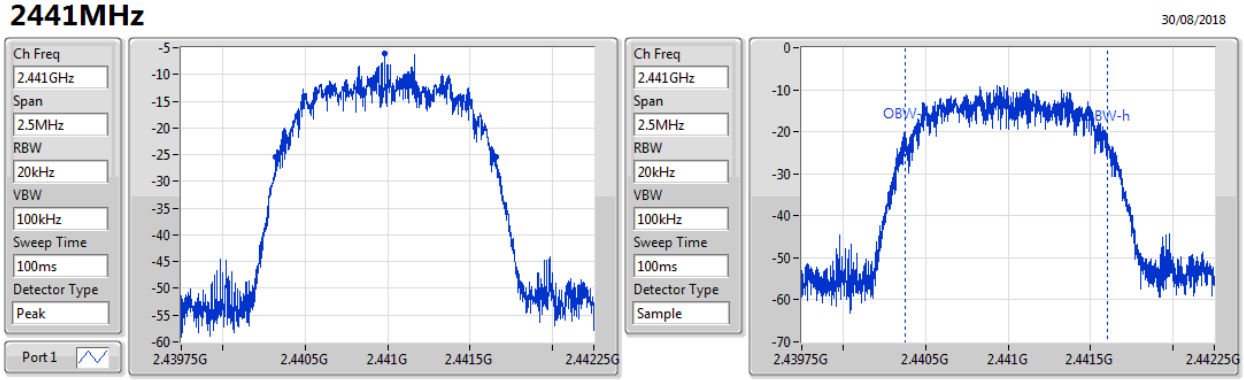
2402MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.338M	2.401318G	2.402655G	1.228M	2.401372G	2.4026G	Inf	1

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

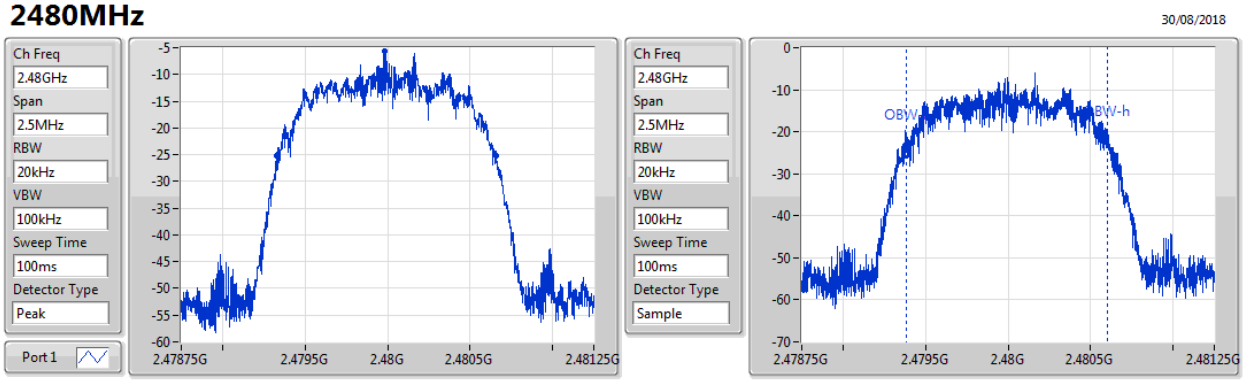
2441MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.335M	2.440324G	2.441659G	1.228M	2.440377G	2.441605G	Inf	1

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

2480MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.335M	2.479326G	2.480661G	1.218M	2.479385G	2.480603G	Inf	1

Summary

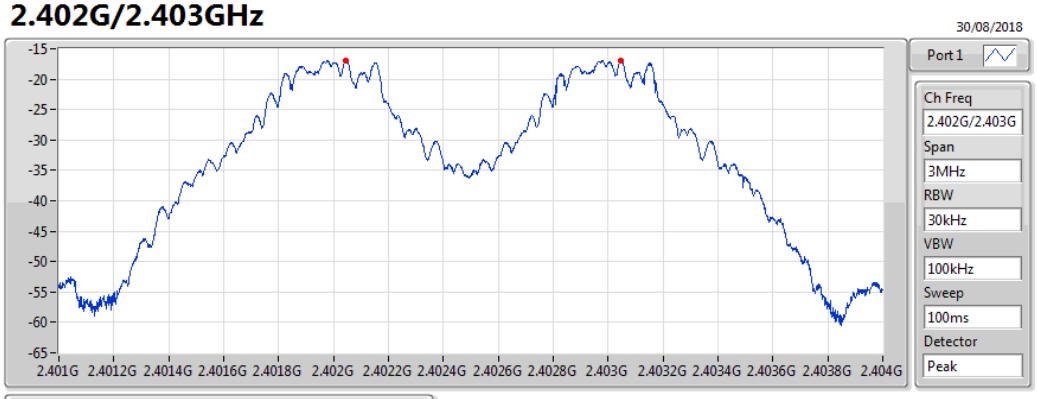
Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	1.0695M	933k
BT-EDR(2Mbps)	1.002M	997.5k
BT-EDR(3Mbps)	1.0005M	997.5k

Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402046G	2.403046G	1.0005M	612.72k
2441MHz_TnomVnom	Pass	2.44105G	2.441983G	933k	612.72k
2480MHz_TnomVnom	Pass	2.478987G	2.480057G	1.0695M	610.2225k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.401978G	2.402979G	1.0005M	891.774k
2441MHz_TnomVnom	Pass	2.440986G	2.441983G	997.5k	895.77k
2480MHz_TnomVnom	Pass	2.478989G	2.479991G	1.002M	892.44k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.40198G	2.402979G	999k	891.108k
2441MHz_TnomVnom	Pass	2.440983G	2.441983G	1.0005M	889.11k
2480MHz_TnomVnom	Pass	2.478989G	2.479986G	997.5k	889.11k

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

2.402G/2.403GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.402046G	2.403046G	1.0005M	612.72k

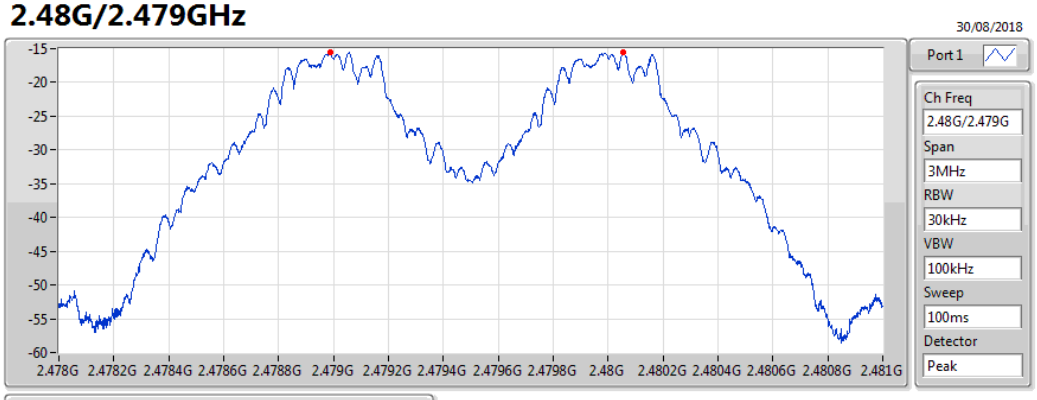
BT-BR(1Mbps) **Channel Separation**

2.441G/2.442GHz

Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.44105G	2.441983G	933k	612.72k

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

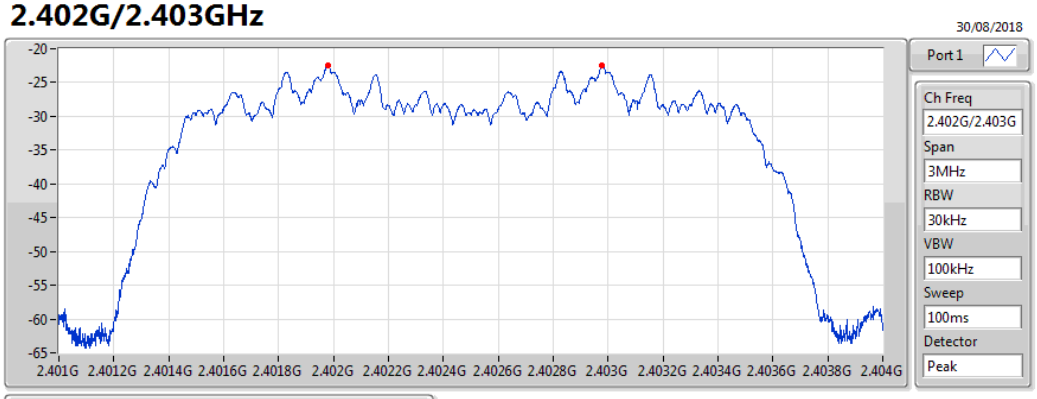
2.48G/2.479GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.478987G	2.480057G	1.0695M	610.2225k

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

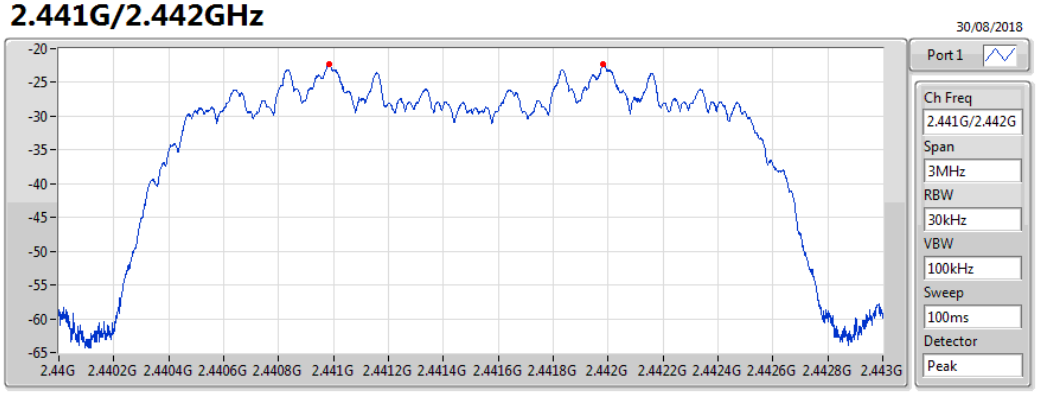
2.402G/2.403GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.401978G	2.402979G	1.0005M	891.774k

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

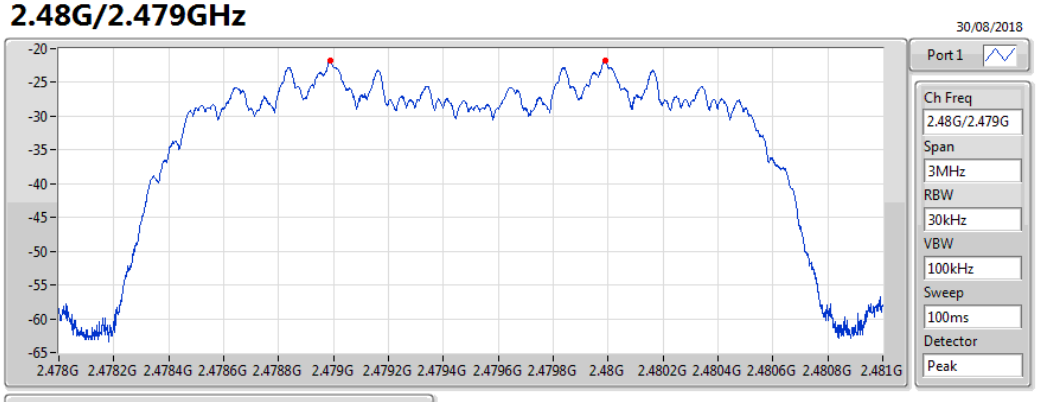
2.441G/2.442GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.440986G	2.441983G	997.5k	895.77k

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

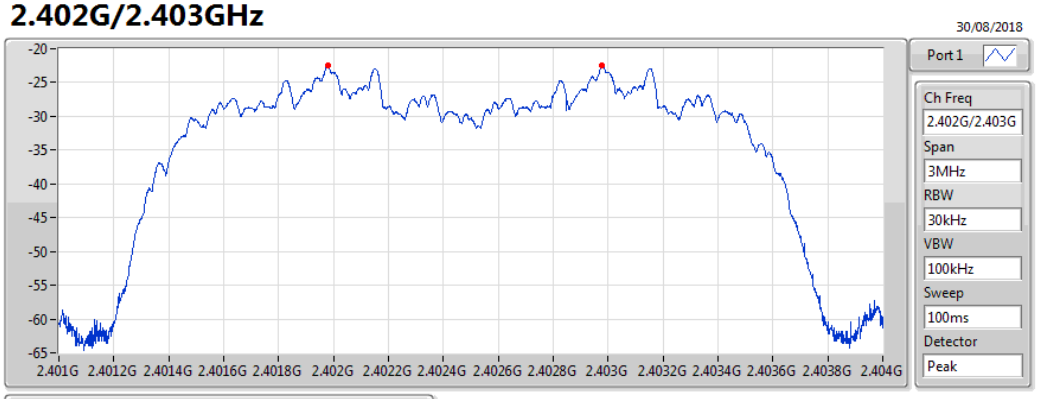
2.48G/2.479GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.478989G	2.479991G	1.002M	892.44k

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

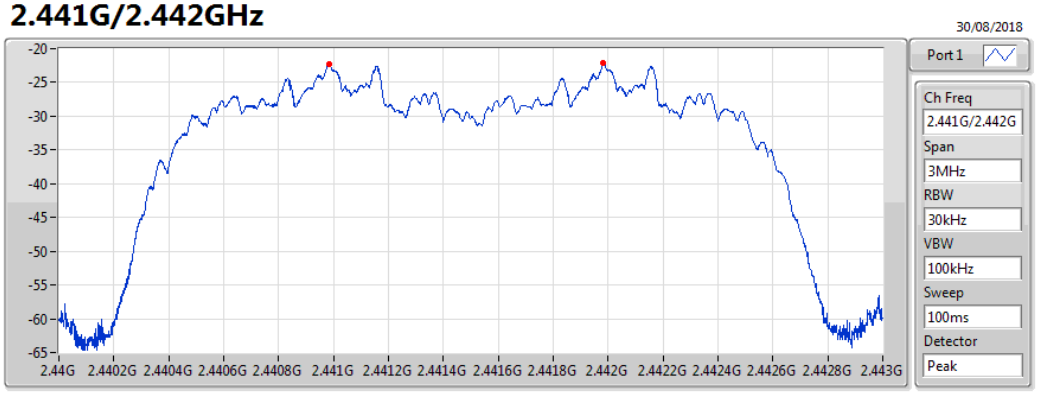
2.402G/2.403GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.40198G	2.402979G	999k	891.108k

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

2.441G/2.442GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.440983G	2.441983G	1.0005M	889.11k

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

2.48G/2.479GHz

Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.478989G	2.479986G	997.5k	889.11k

Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	6.03	0.00401
BT-EDR(2Mbps)	2.69	0.00186
BT-EDR(3Mbps)	2.82	0.00191

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	0.94	5.05	21.00
2441MHz_TnomVnom	Pass	0.94	5.33	21.00
2480MHz_TnomVnom	Pass	0.94	6.03	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	0.94	2.41	21.00
2441MHz_TnomVnom	Pass	0.94	2.49	21.00
2480MHz_TnomVnom	Pass	0.94	2.69	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	0.94	2.33	21.00
2441MHz_TnomVnom	Pass	0.94	2.58	21.00
2480MHz_TnomVnom	Pass	0.94	2.82	21.00

Summary

Mode	Power	Power
	(dBm)	(W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	5.31	0.00340
BT-EDR(2Mbps)	-1.90	0.00065
BT-EDR(3Mbps)	-1.82	0.00066

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	0.94	3.80	21.00
2441MHz_TnomVnom	Pass	0.94	4.45	21.00
2480MHz_TnomVnom	Pass	0.94	5.31	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	0.94	-2.89	21.00
2441MHz_TnomVnom	Pass	0.94	-2.28	21.00
2480MHz_TnomVnom	Pass	0.94	-1.90	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	0.94	-2.71	21.00
2441MHz_TnomVnom	Pass	0.94	-2.41	21.00
2480MHz_TnomVnom	Pass	0.94	-1.82	21.00

Summary

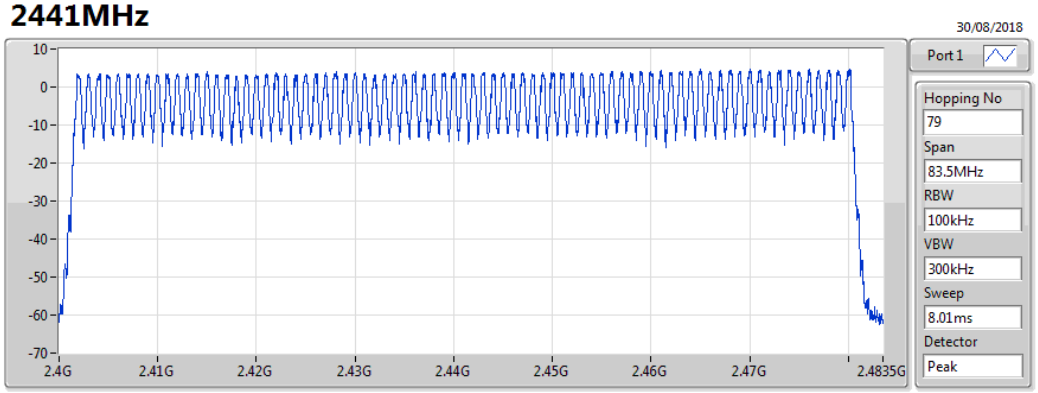
Mode	Max-Hop No
2.4-2.4835GHz	-
BT-BR(1Mbps)	79
BT-EDR(2Mbps)	79
BT-EDR(3Mbps)	79

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

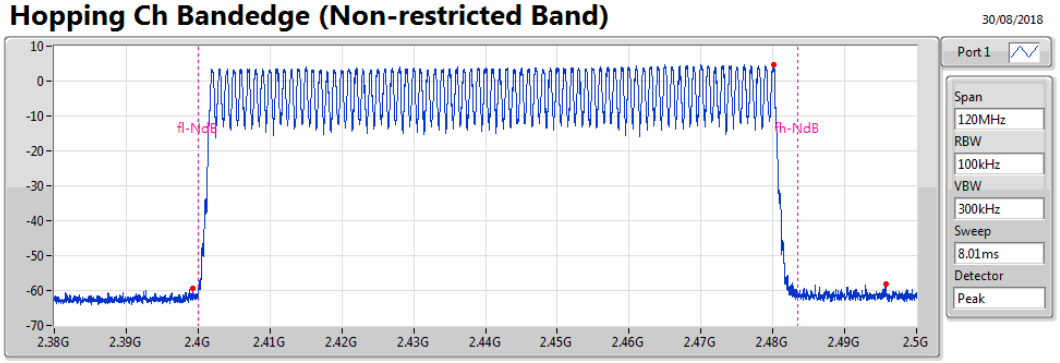


Hopping No	Limit
79	15

BT-BR(1Mbps)

2441MHz

Hopping Ch Bandedge (Non-restricted Band)

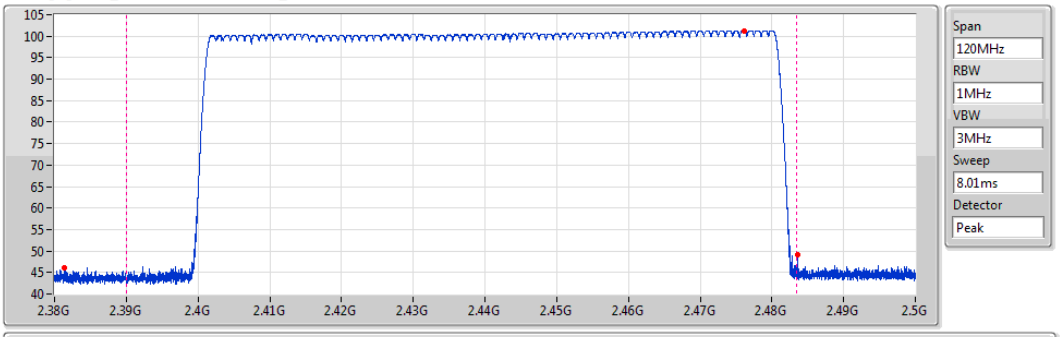


Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-15.18	2.48017G	4.82	2.39926G	-59.36	2.49568G	-58.21

BT-BR(1Mbps)

2441MHz

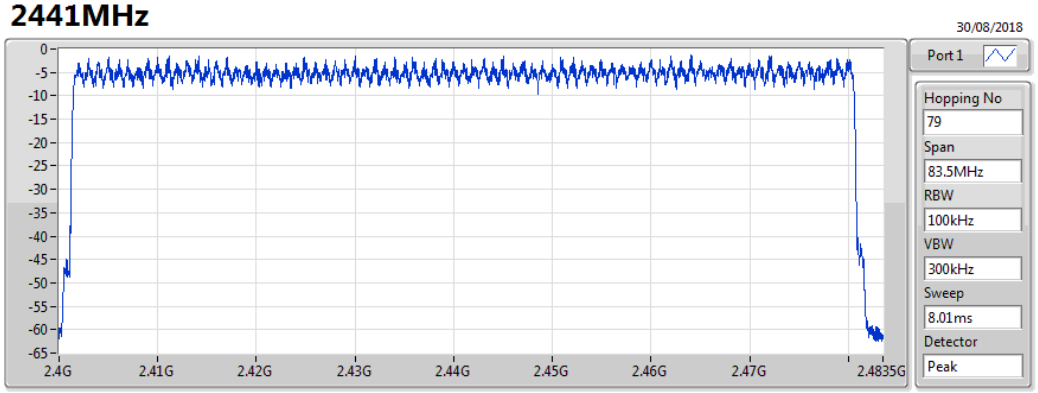
Hopping Ch Bandedge (Restricted Band)



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)
2.47618G	101.31	2.381425G	46.18	16.08	2.483575G	49.15	19.05	74	54	3.125	-30.1

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

2441MHz

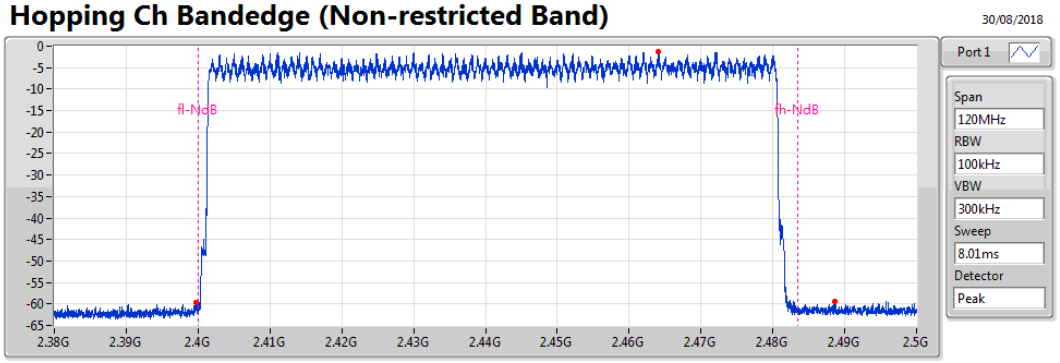


Hopping No	Limit
79	15

BT-EDR(2Mbps)

2441MHz

Hopping Ch Bandedge (Non-restricted Band)

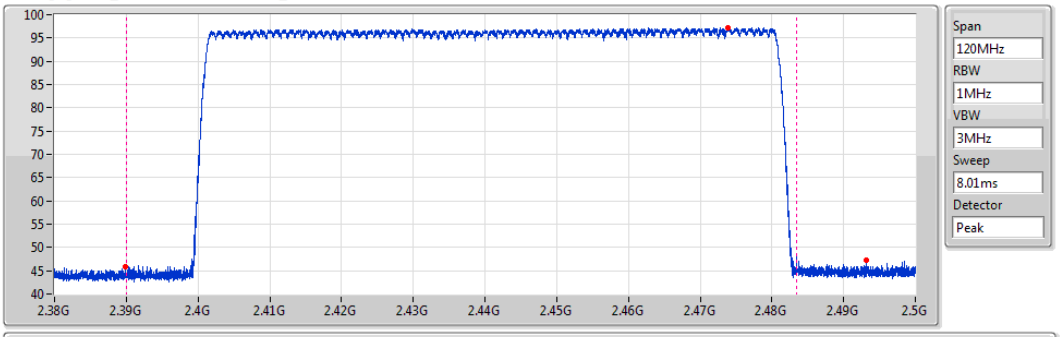


Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-21.38	2.464G	-1.38	2.39968G	-59.55	2.4886G	-59.34

BT-EDR(2Mbps)

2441MHz

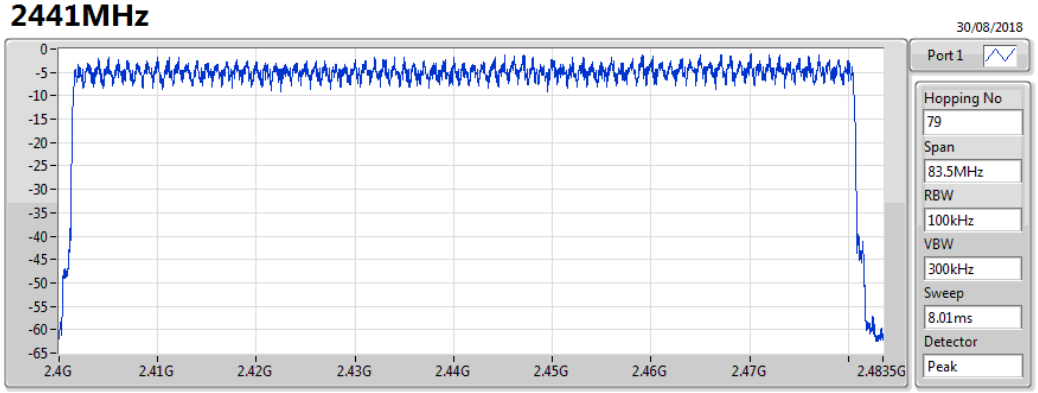
Hopping Ch Bandedge (Restricted Band)



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)
2.473855G	97.16	2.389825G	45.94	15.84	2.49313G	47.28	17.18	74	54	3.125	-30.1

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

2441MHz

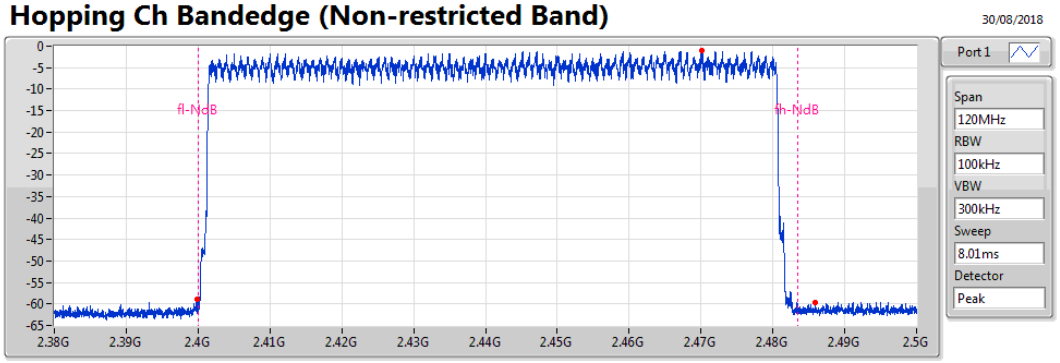


Hopping No	Limit
79	15

BT-EDR(3Mbps)

2441MHz

Hopping Ch Bandedge (Non-restricted Band)

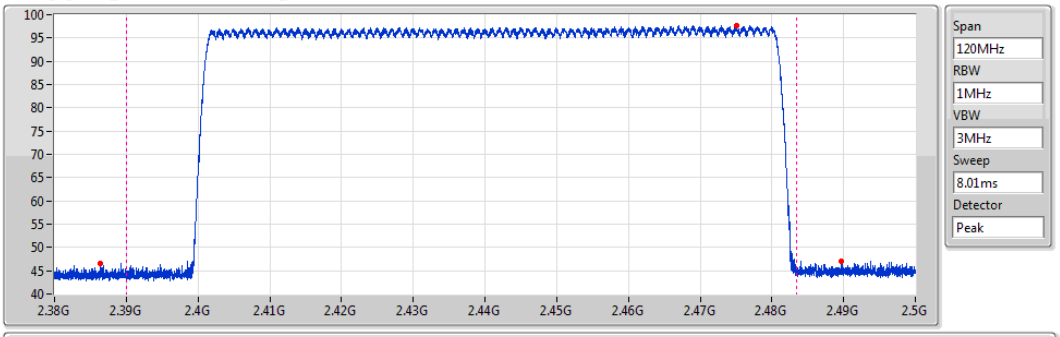


Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-21.11	2.470165G	-1.11	2.399905G	-58.99	2.48584G	-59.55

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)
2.47504G	97.58	2.386345G	46.58	16.48	2.489665G	47.05	16.95	74	54	3.125	-30.1

Summary

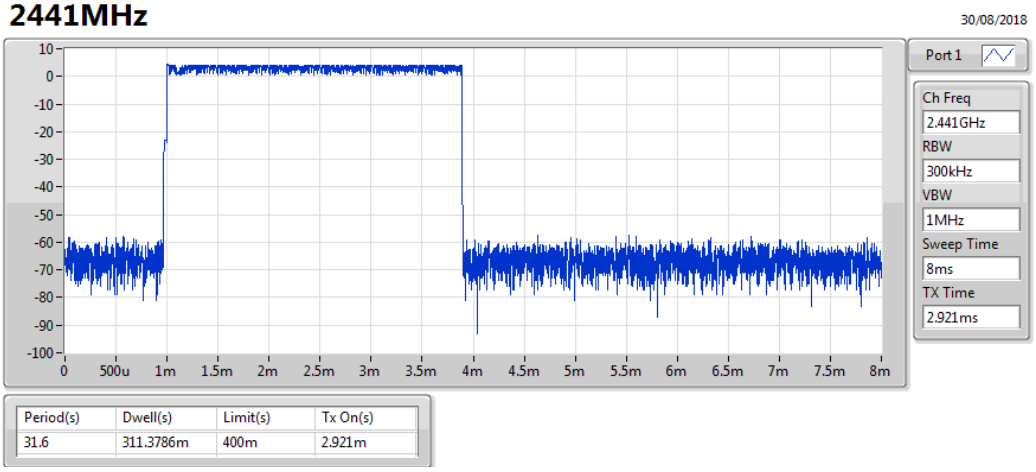
Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	311.3786m
BT-EDR(2Mbps)	311.6984m
BT-EDR(3Mbps)	311.9116m

Result

Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2441MHz_TnomVnom	Pass	31.6	311.3786m	400m	2.921m
BT-EDR(2Mbps)	-	-	-	-	-
2441MHz_TnomVnom	Pass	31.6	311.6984m	400m	2.924m
BT-EDR(3Mbps)	-	-	-	-	-
2441MHz_TnomVnom	Pass	31.6	311.9116m	400m	2.926m

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

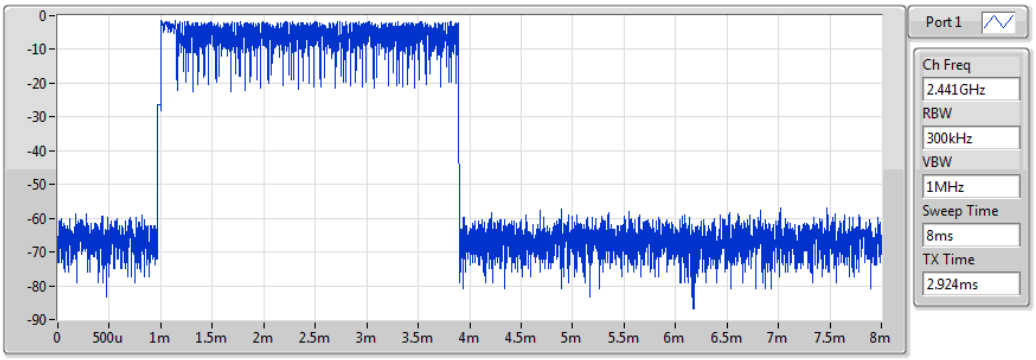
2441MHz



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	311.3786m	400m	2.921m

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

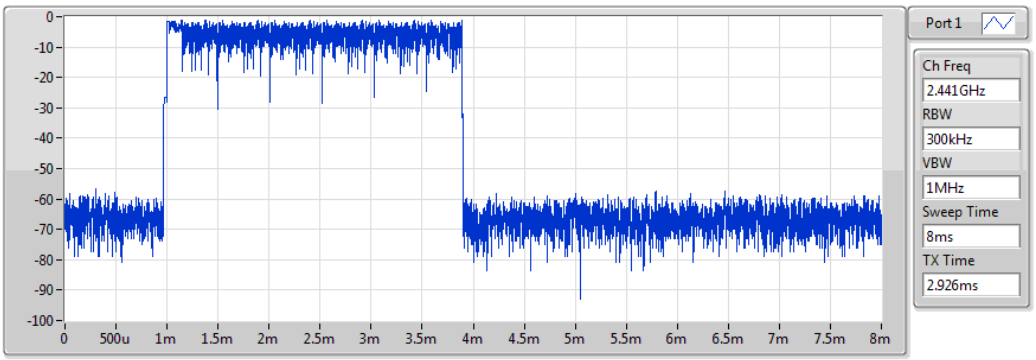
2441MHz



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	311.6984m	400m	2.924m

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

2441MHz



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	311.9116m	400m	2.926m

Summary

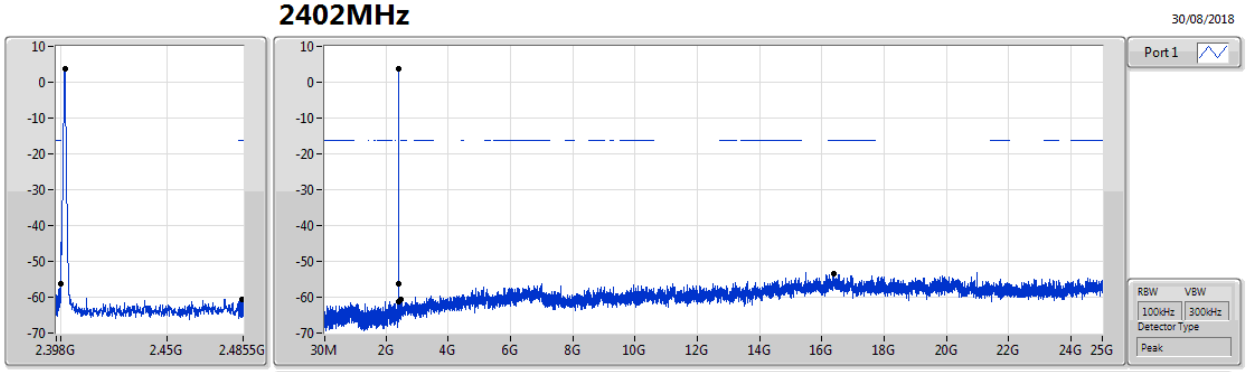
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.440915G	3.59	-16.41	717.904M	-61.83	2.398032G	-61.07	2.484336G	-60.55	16.793465G	-53.57	1
BT-EDR(2Mbps)	Pass	2.401837G	-3.98	-23.98	887.216M	-60.31	2.399724G	-56.92	2.48362G	-60.78	16.512034G	-53.30	1
BT-EDR(3Mbps)	Pass	2.440915G	-3.45	-23.45	630.288M	-61.52	2.39888G	-61.09	2.483792G	-61.08	16.413533G	-53.11	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	3.80	-16.20	2.390896G	-61.10	2.399988G	-56.11	2.484808G	-60.66	16.385389G	-53.53	1
2441MHz_TnomVnom	Pass	2.440915G	3.59	-16.41	717.904M	-61.83	2.398032G	-61.07	2.484336G	-60.55	16.793465G	-53.57	1
2480MHz_TnomVnom	Pass	2.479993G	4.65	-15.35	716.72M	-60.90	2.399956G	-60.77	2.483732G	-58.13	16.410718G	-53.45	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.401837G	-3.98	-23.98	887.216M	-60.31	2.399724G	-56.92	2.48362G	-60.78	16.512034G	-53.30	1
2441MHz_TnomVnom	Pass	2.440915G	-3.04	-23.04	2.092528G	-60.31	2.399736G	-60.61	2.484988G	-60.31	16.416347G	-53.21	1
2480MHz_TnomVnom	Pass	2.480327G	-3.79	-23.79	754.608M	-59.85	2.399092G	-60.61	2.483648G	-59.95	16.56832G	-53.73	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.401837G	-3.33	-23.33	2.132784G	-61.50	2.399792G	-58.10	2.484016G	-60.68	16.413533G	-53.61	1
2441MHz_TnomVnom	Pass	2.440915G	-3.45	-23.45	630.288M	-61.52	2.39888G	-61.09	2.483792G	-61.08	16.413533G	-53.11	1
2480MHz_TnomVnom	Pass	2.480327G	-1.18	-21.18	848.144M	-60.58	2.39992G	-61.09	2.483516G	-59.39	15.25685G	-52.94	1

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

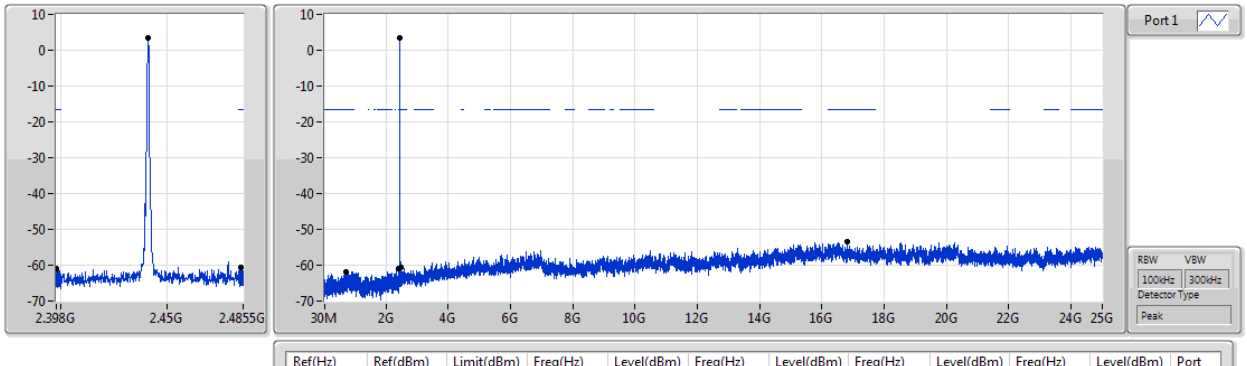
2402MHz



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	3.80	-16.20	2.390896G	-61.10	2.399988G	-56.11	2.484808G	-60.66	16.385389G	-53.53	1

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

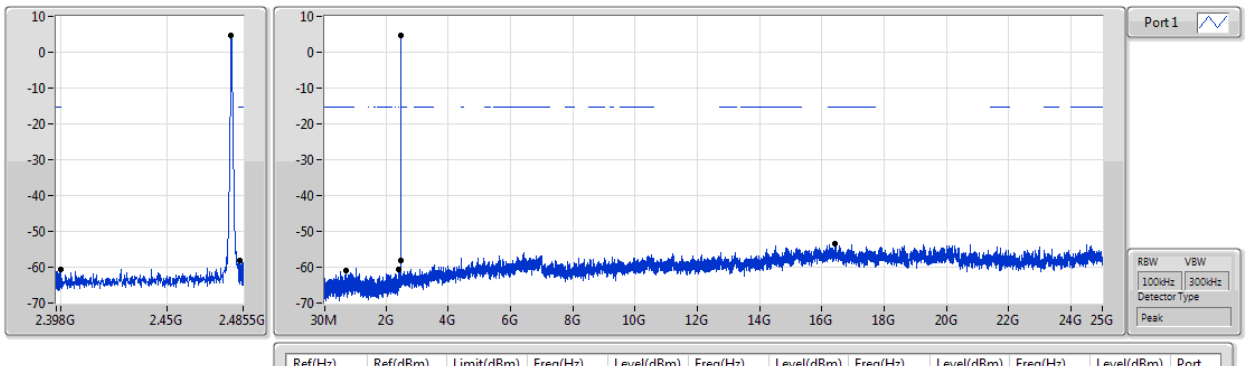
2441MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.440915G	3.59	-16.41	717.904M	-61.83	2.398032G	-61.07	2.484336G	-60.55	16.793465G	-53.57	1

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

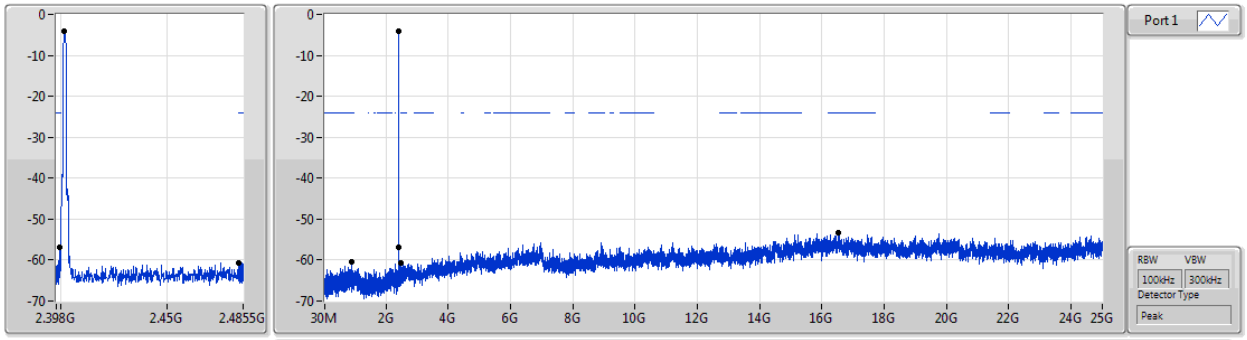
2480MHz



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	4.65	-15.35	716.72M	-60.90	2.399956G	-60.77	2.483732G	-58.13	16.410718G	-53.45	1

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

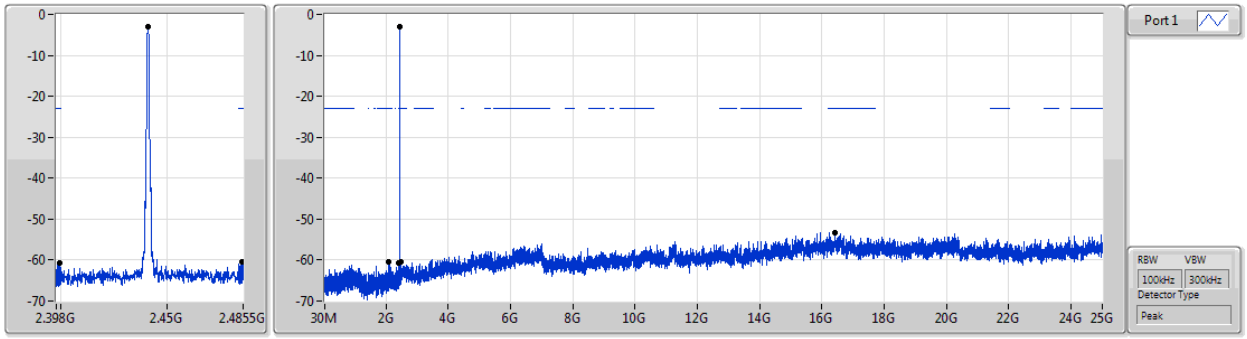
2402MHz



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	-3.98	-23.98	887.216M	-60.31	2.399724G	-56.92	2.48362G	-60.78	16.512034G	-53.30	1

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

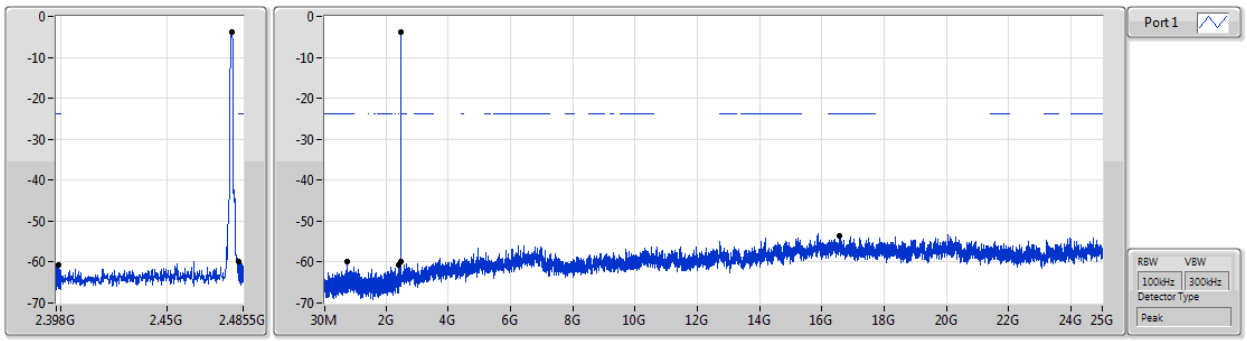
2441MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.440915G	-3.04	-23.04	2.092528G	-60.31	2.399736G	-60.61	2.484988G	-60.31	16.416347G	-53.21	1

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

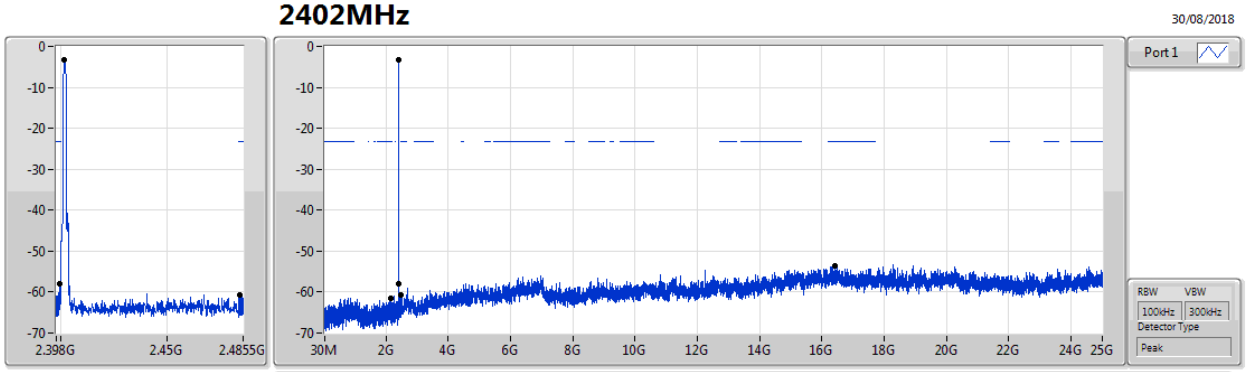
2480MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.480327G	-3.79	-23.79	754.608M	-59.85	2.399092G	-60.61	2.483648G	-59.95	16.56832G	-53.73	1

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

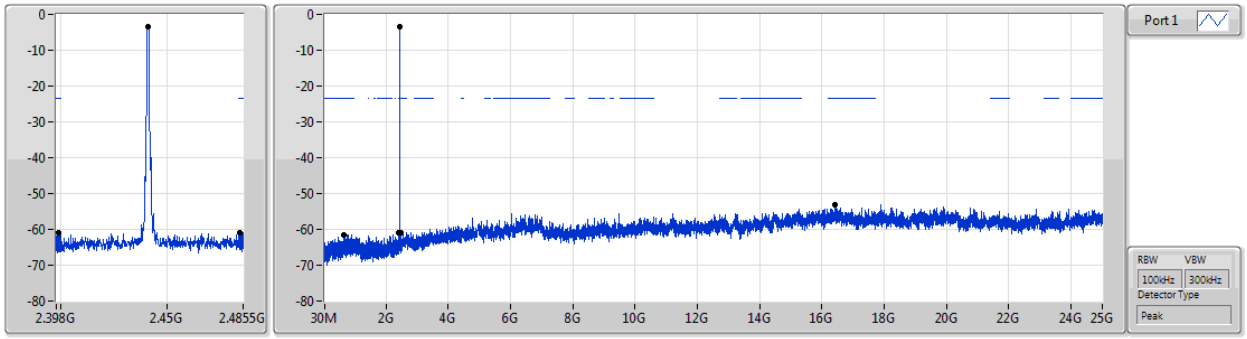
2402MHz



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	-3.33	-23.33	2.132784G	-61.50	2.399792G	-58.10	2.484016G	-60.68	16.413533G	-53.61	1

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

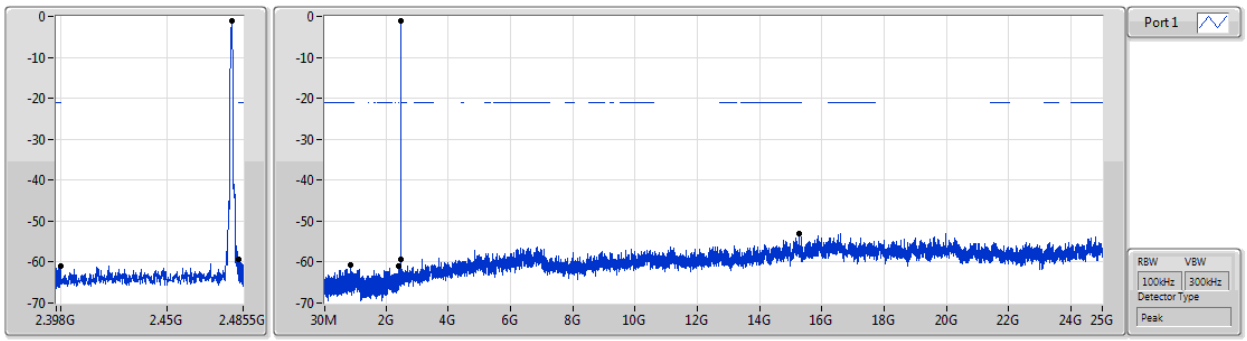
2441MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.440915G	-3.45	-23.45	630.288M	-61.52	2.39888G	-61.09	2.483792G	-61.08	16.413533G	-53.11	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
2.480327G	-1.18	-21.18	848.144M	-60.58	2.39992G	-61.09	2.483516G	-59.39	15.25685G	-52.94	1

Summary

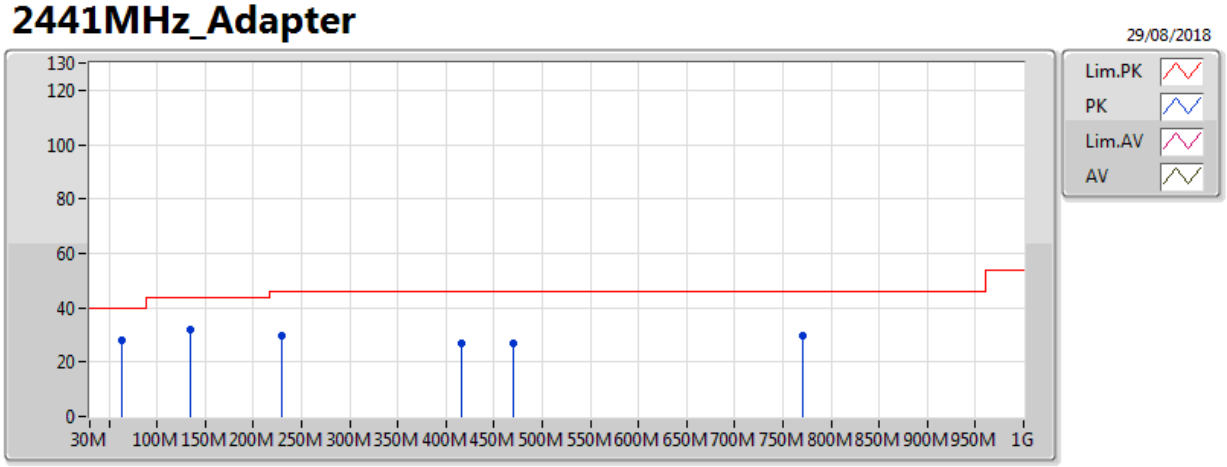
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	PK	134.76M	35.91	43.50	-7.59	-19.21	3	Horizontal	360	1.00	-

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	62.98M	28.05	40.00	-11.95	-25.58	3	Vertical	0	1.00	-
2441MHz	Pass	PK	134.76M	31.79	43.50	-11.71	-19.21	3	Vertical	0	1.00	-
2441MHz	Pass	PK	229.82M	29.95	46.00	-16.05	-19.80	3	Vertical	0	1.00	-
2441MHz	Pass	PK	416.06M	26.95	46.00	-19.05	-13.38	3	Vertical	0	1.00	-
2441MHz	Pass	PK	470.38M	27.04	46.00	-18.96	-12.53	3	Vertical	0	1.00	-
2441MHz	Pass	PK	771.08M	29.45	46.00	-16.55	-8.18	3	Vertical	0	1.00	-
2441MHz	Pass	PK	134.76M	35.91	43.50	-7.59	-19.21	3	Horizontal	360	1.00	-
2441MHz	Pass	PK	222.06M	35.66	46.00	-10.34	-20.68	3	Horizontal	360	1.00	-
2441MHz	Pass	PK	258.92M	33.90	46.00	-12.10	-15.81	3	Horizontal	360	1.00	-
2441MHz	Pass	PK	421.88M	27.76	46.00	-18.24	-13.20	3	Horizontal	360	1.00	-
2441MHz	Pass	PK	470.38M	26.99	46.00	-19.01	-12.53	3	Horizontal	360	1.00	-
2441MHz	Pass	PK	953.44M	32.21	46.00	-13.79	-4.71	3	Horizontal	360	1.00	-

BT-BR(1Mbps)

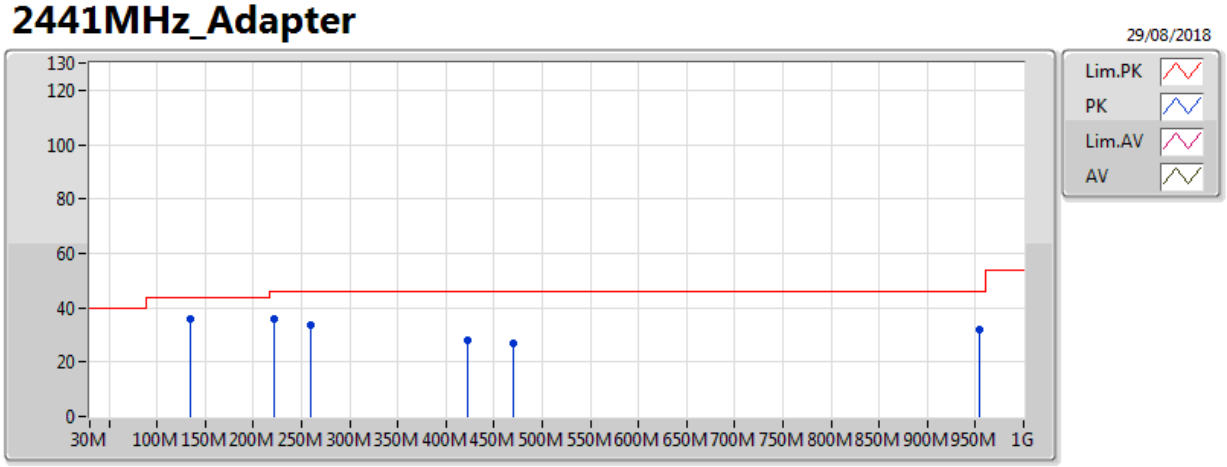
2441MHz_Adapter



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	62.98M	28.05	40.00	-11.95	-25.58	3	Vertical	0	1.00	-
PK	134.76M	31.79	43.50	-11.71	-19.21	3	Vertical	0	1.00	-
PK	229.82M	29.95	46.00	-16.05	-19.80	3	Vertical	0	1.00	-
PK	416.06M	26.95	46.00	-19.05	-13.38	3	Vertical	0	1.00	-
PK	470.38M	27.04	46.00	-18.96	-12.53	3	Vertical	0	1.00	-
PK	771.08M	29.45	46.00	-16.55	-8.18	3	Vertical	0	1.00	-

BT-BR(1Mbps)

2441MHz_Adapter



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	134.76M	35.91	43.50	-7.59	-19.21	3	Horizontal	360	1.00	-
PK	222.06M	35.66	46.00	-10.34	-20.68	3	Horizontal	360	1.00	-
PK	258.92M	33.90	46.00	-12.10	-15.81	3	Horizontal	360	1.00	-
PK	421.88M	27.76	46.00	-18.24	-13.20	3	Horizontal	360	1.00	-
PK	470.38M	26.99	46.00	-19.01	-12.53	3	Horizontal	360	1.00	-
PK	953.44M	32.21	46.00	-13.79	-4.71	3	Horizontal	360	1.00	-

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	2.483502G	45.55	54.00	-8.45	31.11	3	Horizontal	129	2.27	-
BT-EDR(2Mbps)	Pass	AV	2.483502G	45.44	54.00	-8.56	31.11	3	Horizontal	129	2.27	-
BT-EDR(3Mbps)	Pass	AV	2.4994G	45.44	54.00	-8.56	31.17	3	Horizontal	126	2.27	-

Result

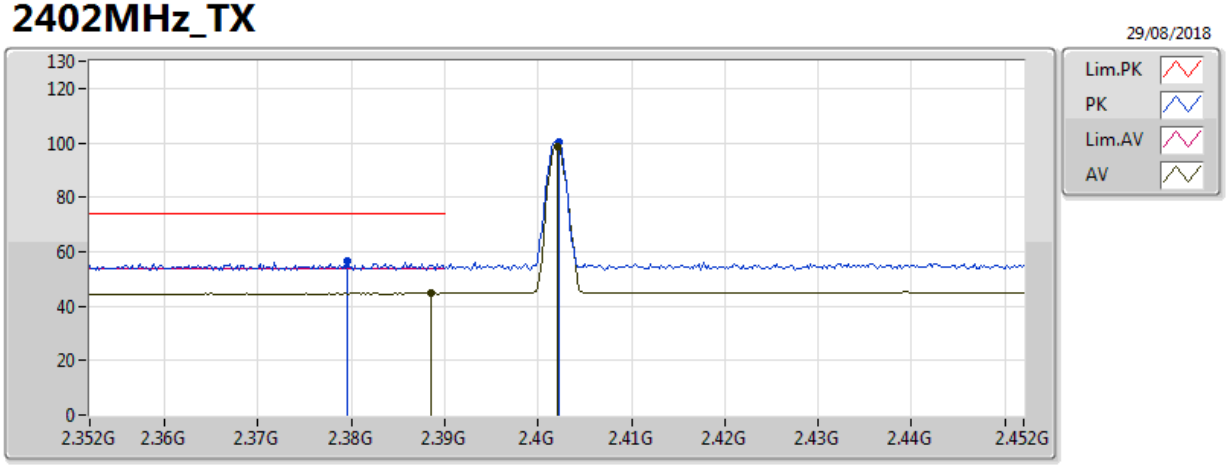
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3886G	44.60	54.00	-9.40	30.77	3	Vertical	129	2.13	-
2402MHz	Pass	AV	2.402G	98.75	Inf	-Inf	30.82	3	Vertical	129	2.13	-
2402MHz	Pass	PK	2.3796G	56.44	74.00	-17.56	30.74	3	Vertical	129	2.13	-
2402MHz	Pass	PK	2.4022G	100.09	Inf	-Inf	30.82	3	Vertical	129	2.13	-
2402MHz	Pass	AV	2.387G	44.61	54.00	-9.39	30.76	3	Horizontal	130	1.50	-
2402MHz	Pass	AV	2.402G	97.75	Inf	-Inf	30.82	3	Horizontal	130	1.50	-
2402MHz	Pass	PK	2.3804G	56.64	74.00	-17.36	30.75	3	Horizontal	130	1.50	-
2402MHz	Pass	PK	2.4022G	99.06	Inf	-Inf	30.82	3	Horizontal	130	1.50	-
2402MHz	Pass	AV	4.80394G	29.85	54.00	-24.15	2.08	3	Vertical	155	1.74	-
2402MHz	Pass	PK	4.8064G	40.81	74.00	-33.19	2.09	3	Vertical	155	1.74	-
2402MHz	Pass	AV	4.80364G	30.05	54.00	-23.95	2.08	3	Horizontal	262	1.54	-
2402MHz	Pass	PK	4.80916G	41.55	74.00	-32.45	2.09	3	Horizontal	262	1.54	-
2441MHz	Pass	AV	2.3882G	44.60	54.00	-9.40	30.77	3	Vertical	285	1.94	-
2441MHz	Pass	AV	2.441G	95.99	Inf	-Inf	30.96	3	Vertical	285	1.94	-
2441MHz	Pass	AV	2.499G	45.42	54.00	-8.58	31.17	3	Vertical	285	1.94	-
2441MHz	Pass	PK	2.3586G	55.84	74.00	-18.16	30.66	3	Vertical	285	1.94	-
2441MHz	Pass	PK	2.441G	97.33	Inf	-Inf	30.96	3	Vertical	285	1.94	-
2441MHz	Pass	PK	2.497G	55.92	74.00	-18.08	31.16	3	Vertical	285	1.94	-
2441MHz	Pass	AV	2.3882G	44.60	54.00	-9.40	30.77	3	Horizontal	130	2.11	-
2441MHz	Pass	AV	2.441G	100.63	Inf	-Inf	30.96	3	Horizontal	130	2.11	-
2441MHz	Pass	AV	2.4966G	45.41	54.00	-8.59	31.16	3	Horizontal	130	2.11	-
2441MHz	Pass	PK	2.3626G	55.66	74.00	-18.34	30.68	3	Horizontal	130	2.11	-
2441MHz	Pass	PK	2.441G	101.92	Inf	-Inf	30.96	3	Horizontal	130	2.11	-
2441MHz	Pass	PK	2.487G	56.77	74.00	-17.23	31.12	3	Horizontal	130	2.11	-
2441MHz	Pass	AV	4.88262G	30.62	54.00	-23.38	2.30	3	Vertical	155	1.66	-
2441MHz	Pass	PK	4.89196G	41.92	74.00	-32.08	2.30	3	Vertical	155	1.66	-
2441MHz	Pass	AV	4.8934G	30.83	54.00	-23.17	2.30	3	Horizontal	318	1.51	-
2441MHz	Pass	PK	4.8937G	41.95	74.00	-32.05	2.30	3	Horizontal	318	1.51	-
2480MHz	Pass	AV	2.48G	93.55	Inf	-Inf	31.10	3	Vertical	350	1.01	-
2480MHz	Pass	AV	2.499998G	45.43	54.00	-8.57	31.17	3	Vertical	350	1.01	-
2480MHz	Pass	PK	2.4798G	94.88	Inf	-Inf	31.10	3	Vertical	350	1.01	-
2480MHz	Pass	PK	2.4968G	56.94	74.00	-17.06	31.16	3	Vertical	350	1.01	-
2480MHz	Pass	AV	2.48G	99.80	Inf	-Inf	31.10	3	Horizontal	129	2.27	-
2480MHz	Pass	AV	2.483502G	45.55	54.00	-8.45	31.11	3	Horizontal	129	2.27	-
2480MHz	Pass	PK	2.4798G	101.12	Inf	-Inf	31.10	3	Horizontal	129	2.27	-
2480MHz	Pass	PK	2.4852G	56.58	74.00	-17.42	31.12	3	Horizontal	129	2.27	-
2480MHz	Pass	AV	4.97332G	30.86	54.00	-23.14	2.50	3	Vertical	328	1.48	-
2480MHz	Pass	PK	4.96858G	42.19	74.00	-31.81	2.49	3	Vertical	328	1.48	-
2480MHz	Pass	AV	4.97404G	30.95	54.00	-23.05	2.51	3	Horizontal	324	1.68	-
2480MHz	Pass	PK	4.95826G	42.64	74.00	-31.36	2.47	3	Horizontal	324	1.68	-
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3896G	44.60	54.00	-9.40	30.77	3	Vertical	283	2.24	-
2402MHz	Pass	AV	2.402G	89.00	Inf	-Inf	30.82	3	Vertical	283	2.24	-
2402MHz	Pass	PK	2.385G	56.67	74.00	-17.33	30.76	3	Vertical	283	2.24	-
2402MHz	Pass	PK	2.4022G	92.82	Inf	-Inf	30.82	3	Vertical	283	2.24	-
2402MHz	Pass	AV	2.3884G	44.59	54.00	-9.41	30.77	3	Horizontal	129	2.12	-
2402MHz	Pass	AV	2.402G	91.72	Inf	-Inf	30.82	3	Horizontal	129	2.12	-

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	2.377G	55.77	74.00	-18.23	30.73	3	Horizontal	129	2.12	-
2402MHz	Pass	PK	2.402G	95.55	Inf	-Inf	30.82	3	Horizontal	129	2.12	-
2441MHz	Pass	AV	2.3886G	44.62	54.00	-9.38	30.77	3	Vertical	284	2.72	-
2441MHz	Pass	AV	2.441G	90.02	Inf	-Inf	30.96	3	Vertical	284	2.72	-
2441MHz	Pass	AV	2.493G	45.39	54.00	-8.61	31.14	3	Vertical	284	2.72	-
2441MHz	Pass	PK	2.3702G	55.82	74.00	-18.18	30.71	3	Vertical	284	2.72	-
2441MHz	Pass	PK	2.441G	93.84	Inf	-Inf	30.96	3	Vertical	284	2.72	-
2441MHz	Pass	PK	2.4942G	56.32	74.00	-17.68	31.15	3	Vertical	284	2.72	-
2441MHz	Pass	AV	2.3886G	44.59	54.00	-9.41	30.77	3	Horizontal	131	2.10	-
2441MHz	Pass	AV	2.441G	93.29	Inf	-Inf	30.96	3	Horizontal	131	2.10	-
2441MHz	Pass	AV	2.4938G	45.39	54.00	-8.61	31.15	3	Horizontal	131	2.10	-
2441MHz	Pass	PK	2.3458G	56.27	74.00	-17.73	30.62	3	Horizontal	131	2.10	-
2441MHz	Pass	PK	2.441G	97.12	Inf	-Inf	30.96	3	Horizontal	131	2.10	-
2441MHz	Pass	PK	2.4958G	56.12	74.00	-17.88	31.16	3	Horizontal	131	2.10	-
2480MHz	Pass	AV	2.48G	87.19	Inf	-Inf	31.10	3	Vertical	358	1.01	-
2480MHz	Pass	AV	2.499G	45.40	54.00	-8.60	31.17	3	Vertical	358	1.01	-
2480MHz	Pass	PK	2.4802G	91.06	Inf	-Inf	31.10	3	Vertical	358	1.01	-
2480MHz	Pass	PK	2.4876G	56.57	74.00	-17.43	31.13	3	Vertical	358	1.01	-
2480MHz	Pass	AV	2.48G	93.11	Inf	-Inf	31.10	3	Horizontal	129	2.27	-
2480MHz	Pass	AV	2.483502G	45.44	54.00	-8.56	31.11	3	Horizontal	129	2.27	-
2480MHz	Pass	PK	2.4802G	96.94	Inf	-Inf	31.10	3	Horizontal	129	2.27	-
2480MHz	Pass	PK	2.4838G	56.74	74.00	-17.26	31.11	3	Horizontal	129	2.27	-
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3888G	44.62	54.00	-9.38	30.77	3	Vertical	287	2.24	-
2402MHz	Pass	AV	2.402G	88.61	Inf	-Inf	30.82	3	Vertical	287	2.24	-
2402MHz	Pass	PK	2.381G	56.09	74.00	-17.91	30.75	3	Vertical	287	2.24	-
2402MHz	Pass	PK	2.402G	92.62	Inf	-Inf	30.82	3	Vertical	287	2.24	-
2402MHz	Pass	AV	2.3898G	44.63	54.00	-9.37	30.77	3	Horizontal	130	2.13	-
2402MHz	Pass	AV	2.402G	91.50	Inf	-Inf	30.82	3	Horizontal	130	2.13	-
2402MHz	Pass	PK	2.3602G	56.39	74.00	-17.61	30.67	3	Horizontal	130	2.13	-
2402MHz	Pass	PK	2.402G	95.55	Inf	-Inf	30.82	3	Horizontal	130	2.13	-
2441MHz	Pass	AV	2.389G	44.60	54.00	-9.40	30.77	3	Vertical	281	2.71	-
2441MHz	Pass	AV	2.441G	89.95	Inf	-Inf	30.96	3	Vertical	281	2.71	-
2441MHz	Pass	AV	2.4982G	45.43	54.00	-8.57	31.16	3	Vertical	281	2.71	-
2441MHz	Pass	PK	2.3638G	55.79	74.00	-18.21	30.68	3	Vertical	281	2.71	-
2441MHz	Pass	PK	2.441G	93.98	Inf	-Inf	30.96	3	Vertical	281	2.71	-
2441MHz	Pass	PK	2.483502G	55.69	74.00	-18.31	31.11	3	Vertical	281	2.71	-
2441MHz	Pass	AV	2.3858G	44.61	54.00	-9.39	30.76	3	Horizontal	128	2.34	-
2441MHz	Pass	AV	2.441G	93.55	Inf	-Inf	30.96	3	Horizontal	128	2.34	-
2441MHz	Pass	AV	2.497G	45.41	54.00	-8.59	31.16	3	Horizontal	128	2.34	-
2441MHz	Pass	PK	2.3458G	55.78	74.00	-18.22	30.62	3	Horizontal	128	2.34	-
2441MHz	Pass	PK	2.441G	97.58	Inf	-Inf	30.96	3	Horizontal	128	2.34	-
2441MHz	Pass	PK	2.4942G	56.16	74.00	-17.84	31.15	3	Horizontal	128	2.34	-
2480MHz	Pass	AV	2.48G	87.08	Inf	-Inf	31.10	3	Vertical	355	1.01	-
2480MHz	Pass	AV	2.4924G	45.43	54.00	-8.57	31.14	3	Vertical	355	1.01	-
2480MHz	Pass	PK	2.48G	91.16	Inf	-Inf	31.10	3	Vertical	355	1.01	-
2480MHz	Pass	PK	2.4986G	56.84	74.00	-17.16	31.17	3	Vertical	355	1.01	-
2480MHz	Pass	AV	2.48G	93.03	Inf	-Inf	31.10	3	Horizontal	126	2.27	-
2480MHz	Pass	AV	2.4994G	45.44	54.00	-8.56	31.17	3	Horizontal	126	2.27	-

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	97.08	Inf	-Inf	31.10	3	Horizontal	126	2.27	-
2480MHz	Pass	PK	2.4984G	57.43	74.00	-16.57	31.17	3	Horizontal	126	2.27	-

BT-BR(1Mbps)

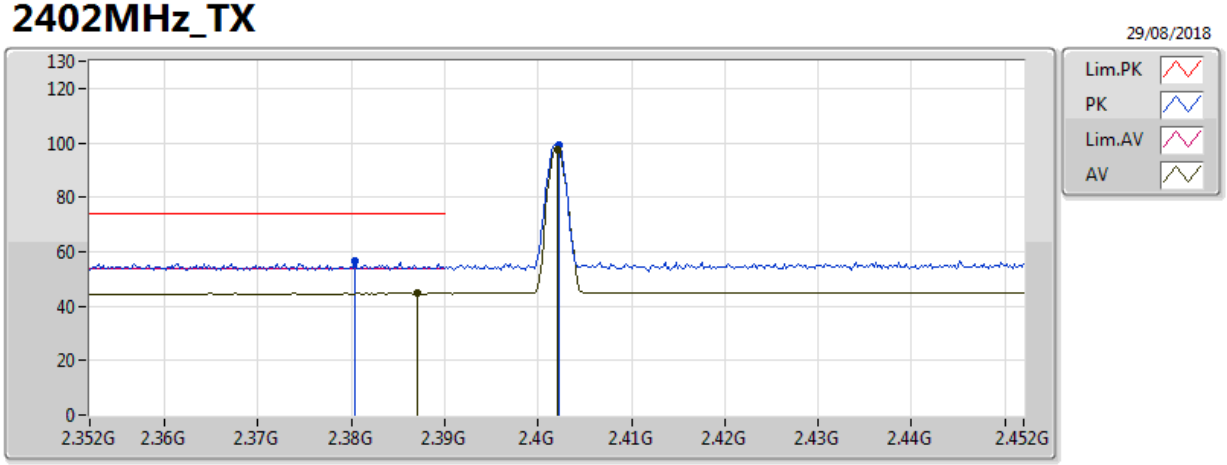
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3886G	44.60	54.00	-9.40	30.77	3	Vertical	129	2.13	-
AV	2.402G	98.75	Inf	-Inf	30.82	3	Vertical	129	2.13	-
PK	2.3796G	56.44	74.00	-17.56	30.74	3	Vertical	129	2.13	-
PK	2.4022G	100.09	Inf	-Inf	30.82	3	Vertical	129	2.13	-

BT-BR(1Mbps)

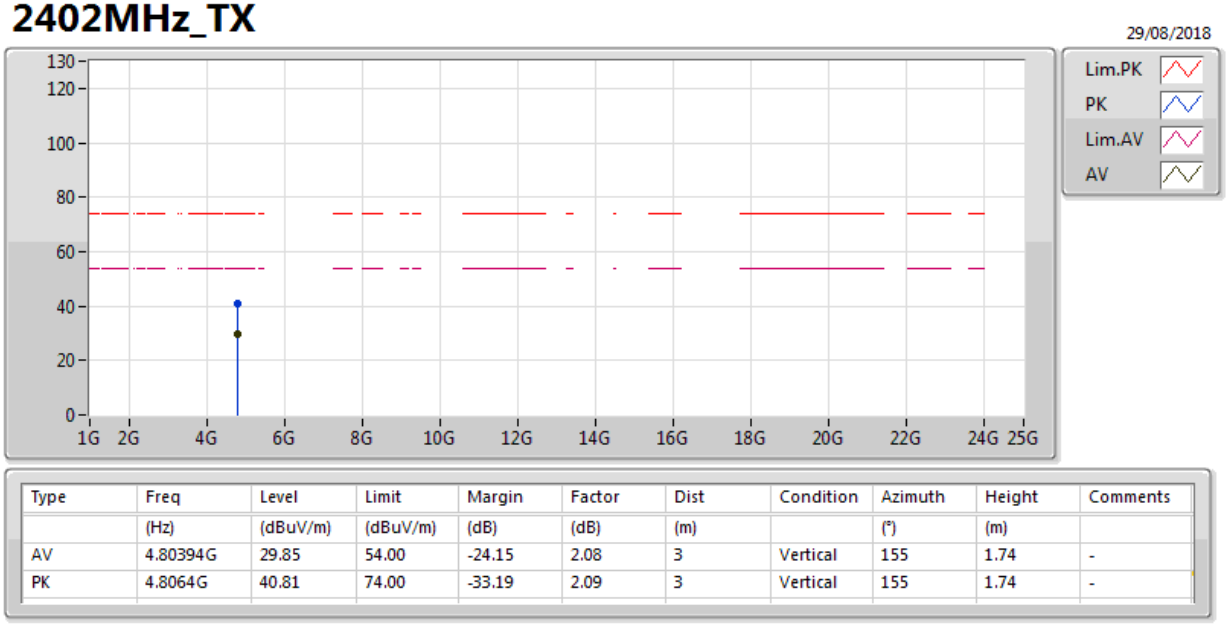
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.387G	44.61	54.00	-9.39	30.76	3	Horizontal	130	1.50	-
AV	2.402G	97.75	Inf	-Inf	30.82	3	Horizontal	130	1.50	-
PK	2.3804G	56.64	74.00	-17.36	30.75	3	Horizontal	130	1.50	-
PK	2.4022G	99.06	Inf	-Inf	30.82	3	Horizontal	130	1.50	-

BT-BR(1Mbps)

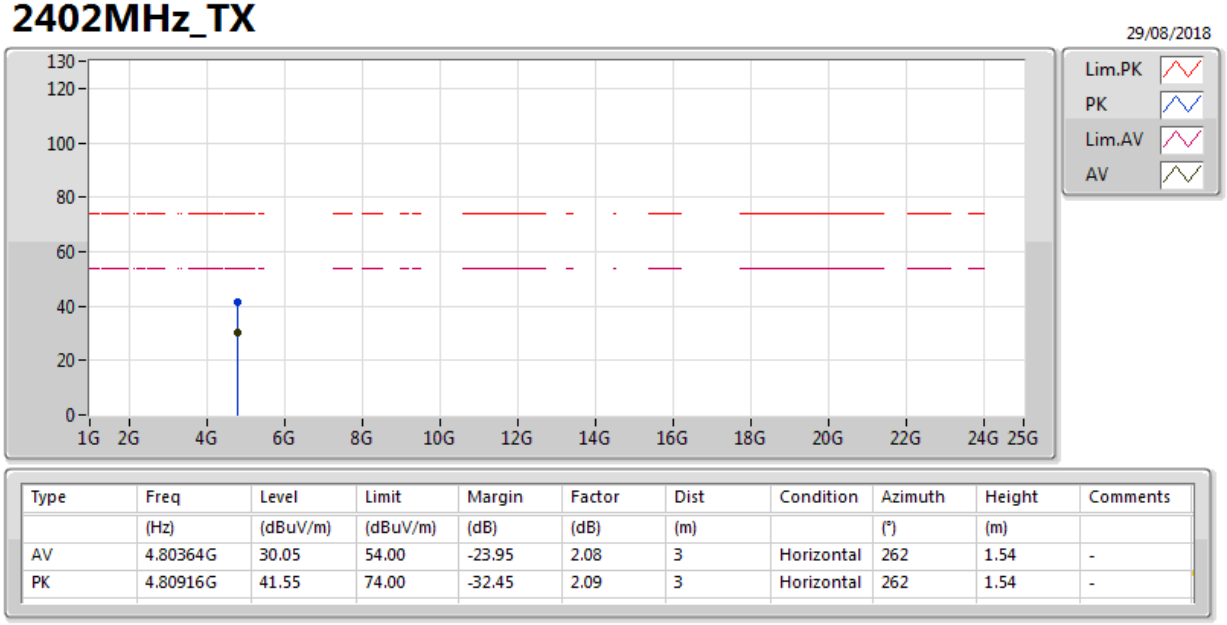
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.80394G	29.85	54.00	-24.15	2.08	3	Vertical	155	1.74	-
PK	4.8064G	40.81	74.00	-33.19	2.09	3	Vertical	155	1.74	-

BT-BR(1Mbps)

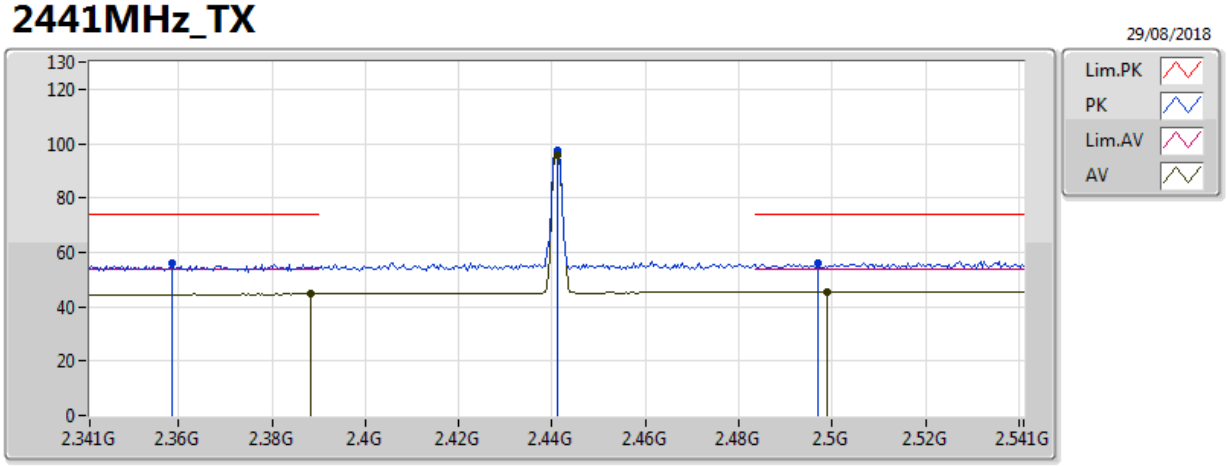
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.80364G	30.05	54.00	-23.95	2.08	3	Horizontal	262	1.54	-
PK	4.80916G	41.55	74.00	-32.45	2.09	3	Horizontal	262	1.54	-

BT-BR(1Mbps)

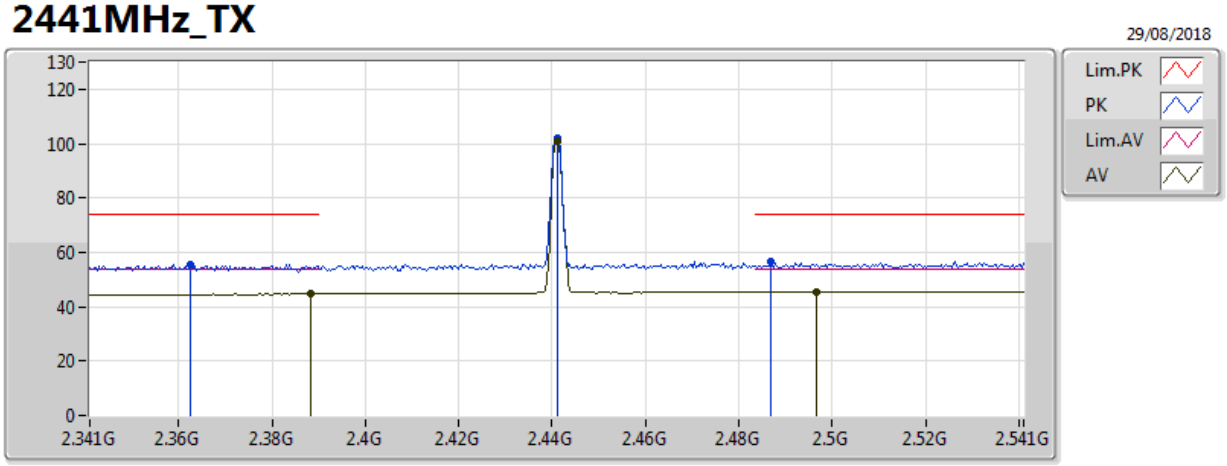
2441MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3882G	44.60	54.00	-9.40	30.77	3	Vertical	285	1.94	-
AV	2.441G	95.99	Inf	-Inf	30.96	3	Vertical	285	1.94	-
AV	2.499G	45.42	54.00	-8.58	31.17	3	Vertical	285	1.94	-
PK	2.3586G	55.84	74.00	-18.16	30.66	3	Vertical	285	1.94	-
PK	2.441G	97.33	Inf	-Inf	30.96	3	Vertical	285	1.94	-
PK	2.497G	55.92	74.00	-18.08	31.16	3	Vertical	285	1.94	-

BT-BR(1Mbps)

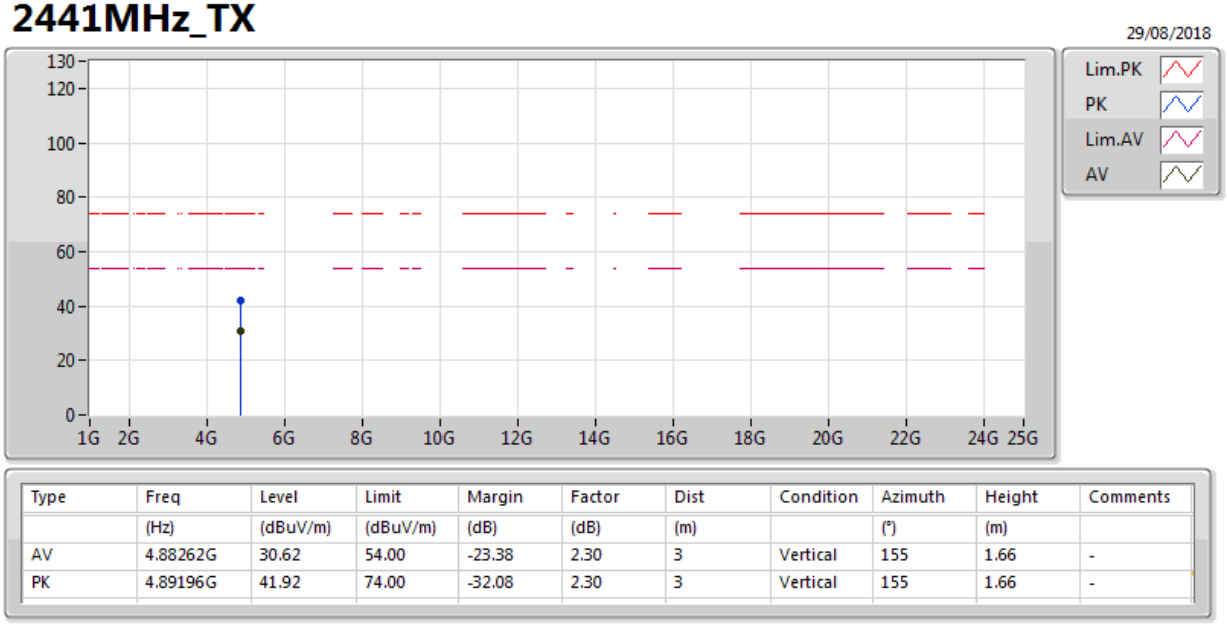
2441MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3882G	44.60	54.00	-9.40	30.77	3	Horizontal	130	2.11	-
AV	2.441G	100.63	Inf	-Inf	30.96	3	Horizontal	130	2.11	-
AV	2.4966G	45.41	54.00	-8.59	31.16	3	Horizontal	130	2.11	-
PK	2.3626G	55.66	74.00	-18.34	30.68	3	Horizontal	130	2.11	-
PK	2.441G	101.92	Inf	-Inf	30.96	3	Horizontal	130	2.11	-
PK	2.487G	56.77	74.00	-17.23	31.12	3	Horizontal	130	2.11	-

BT-BR(1Mbps)

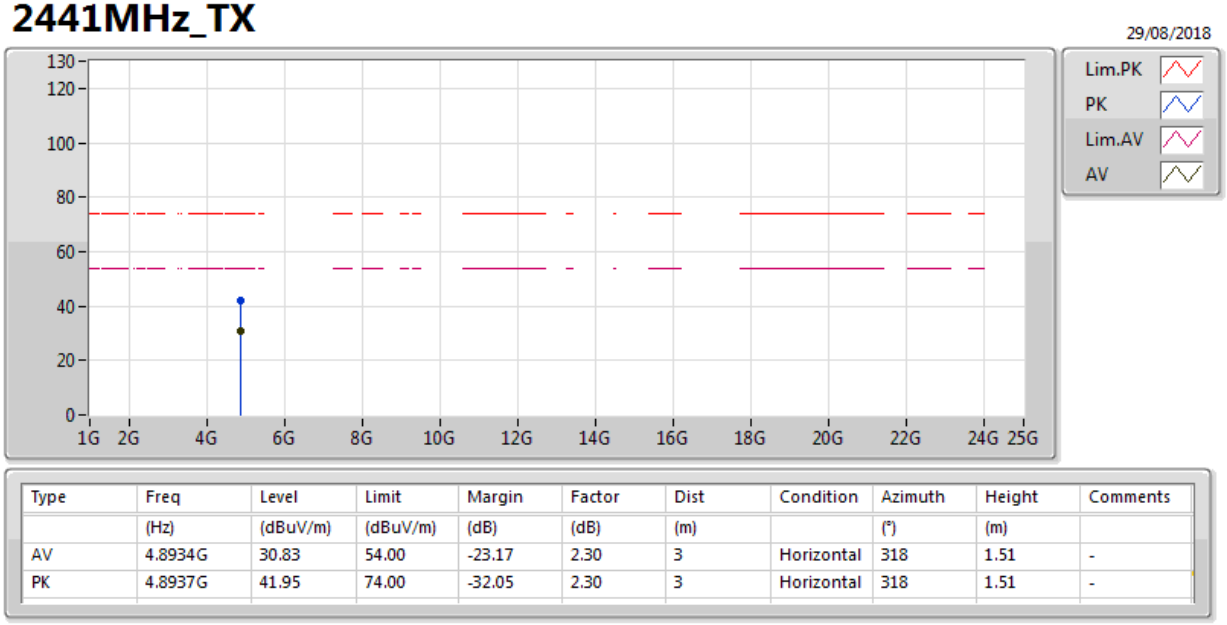
2441MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.88262G	30.62	54.00	-23.38	2.30	3	Vertical	155	1.66	-
PK	4.89196G	41.92	74.00	-32.08	2.30	3	Vertical	155	1.66	-

BT-BR(1Mbps)

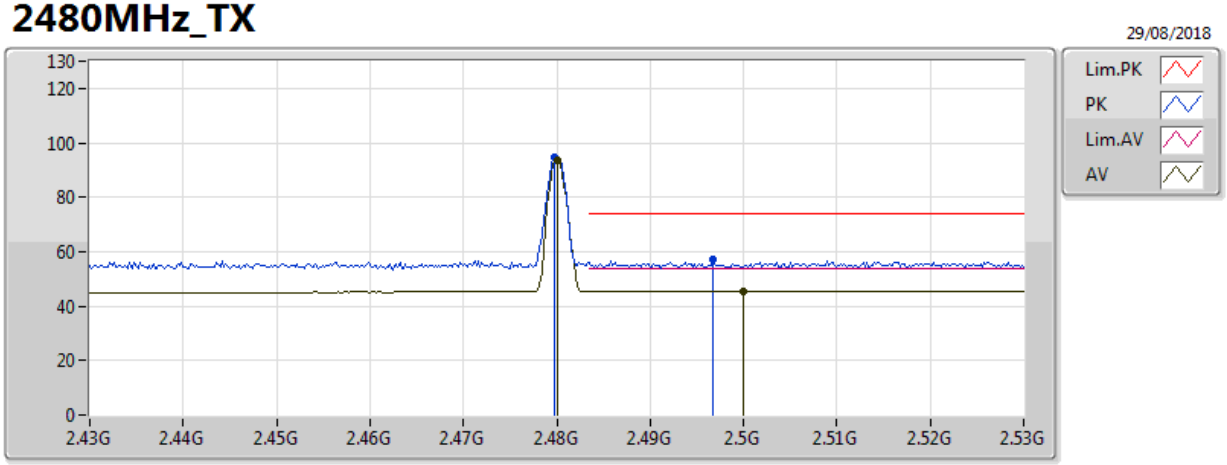
2441MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.8934G	30.83	54.00	-23.17	2.30	3	Horizontal	318	1.51	-
PK	4.8937G	41.95	74.00	-32.05	2.30	3	Horizontal	318	1.51	-

BT-BR(1Mbps)

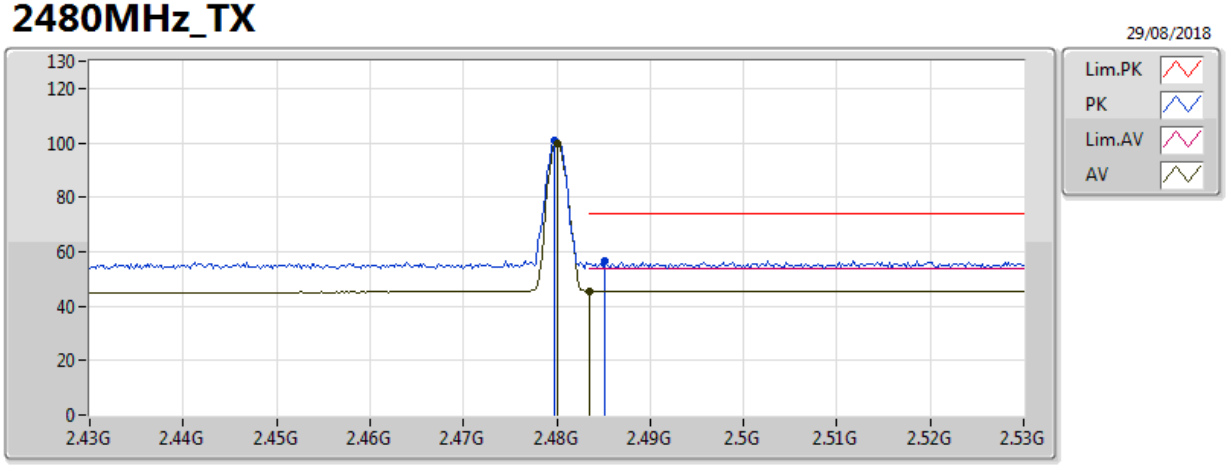
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.48G	93.55	Inf	-Inf	31.10	3	Vertical	350	1.01	-
AV	2.499998G	45.43	54.00	-8.57	31.17	3	Vertical	350	1.01	-
PK	2.4798G	94.88	Inf	-Inf	31.10	3	Vertical	350	1.01	-
PK	2.4968G	56.94	74.00	-17.06	31.16	3	Vertical	350	1.01	-

BT-BR(1Mbps)

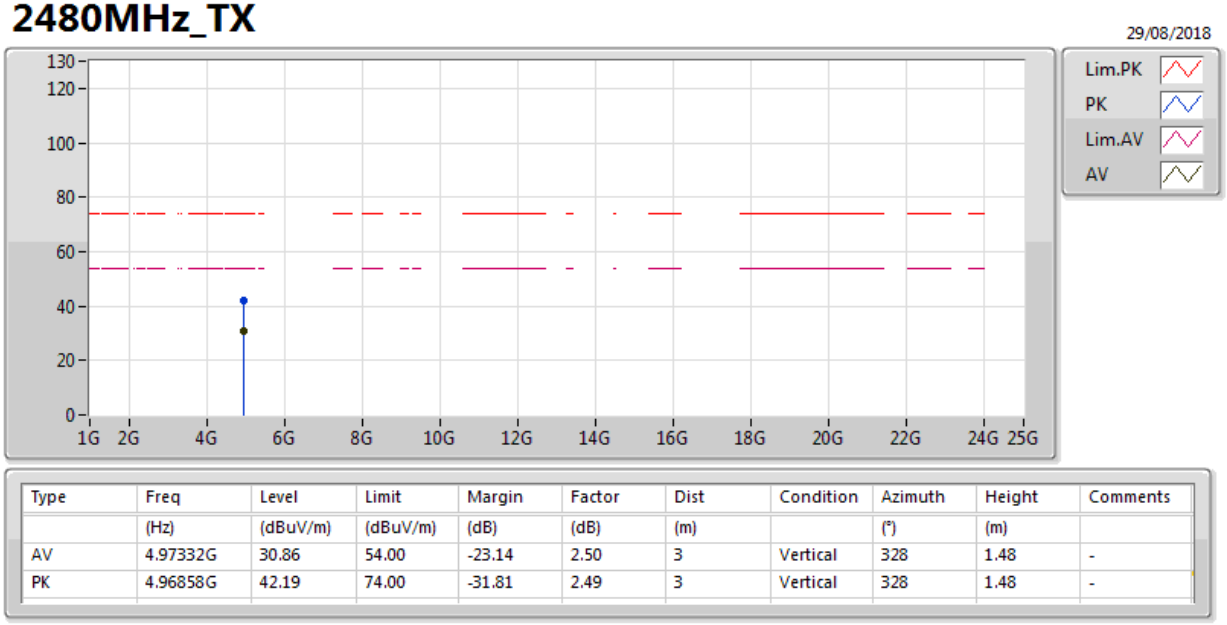
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.48G	99.80	Inf	-Inf	31.10	3	Horizontal	129	2.27	-
AV	2.483502G	45.55	54.00	-8.45	31.11	3	Horizontal	129	2.27	-
PK	2.4798G	101.12	Inf	-Inf	31.10	3	Horizontal	129	2.27	-
PK	2.4852G	56.58	74.00	-17.42	31.12	3	Horizontal	129	2.27	-

BT-BR(1Mbps)

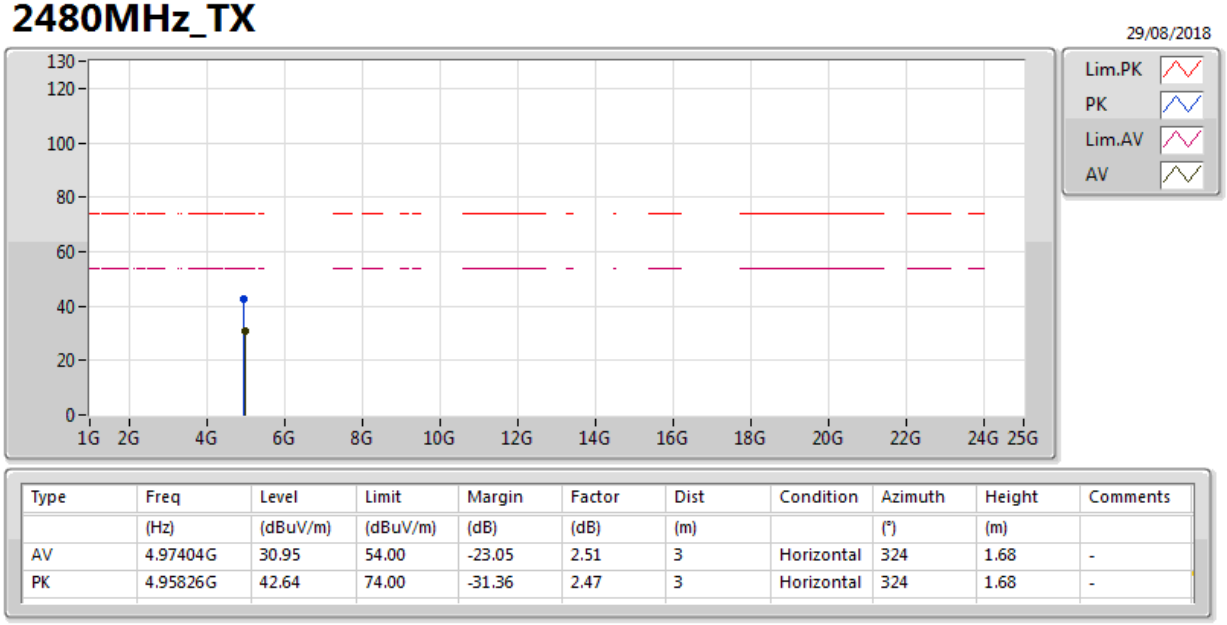
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.97332G	30.86	54.00	-23.14	2.50	3	Vertical	328	1.48	-
PK	4.96858G	42.19	74.00	-31.81	2.49	3	Vertical	328	1.48	-

BT-BR(1Mbps)

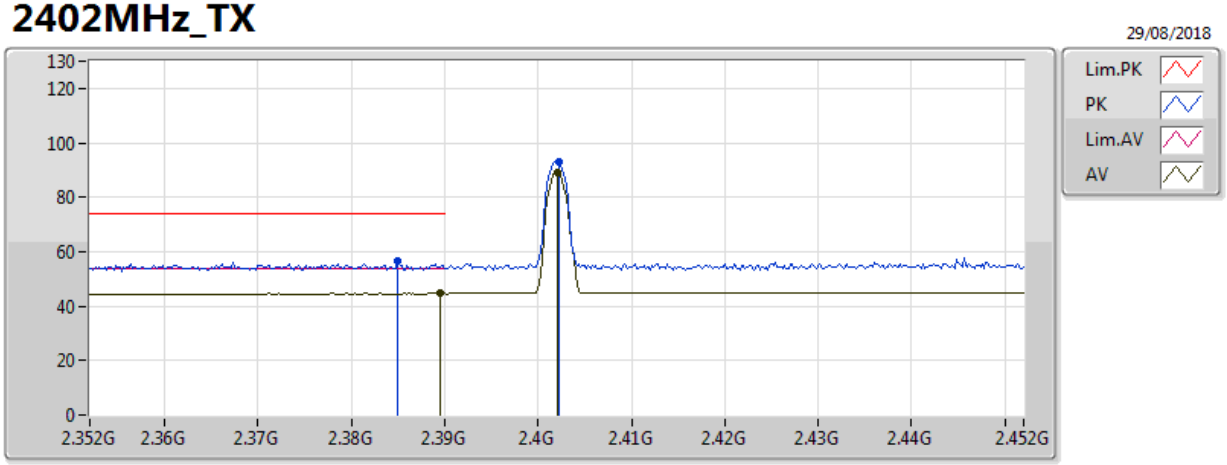
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.97404G	30.95	54.00	-23.05	2.51	3	Horizontal	324	1.68	-
PK	4.95826G	42.64	74.00	-31.36	2.47	3	Horizontal	324	1.68	-

BT-EDR(2Mbps)

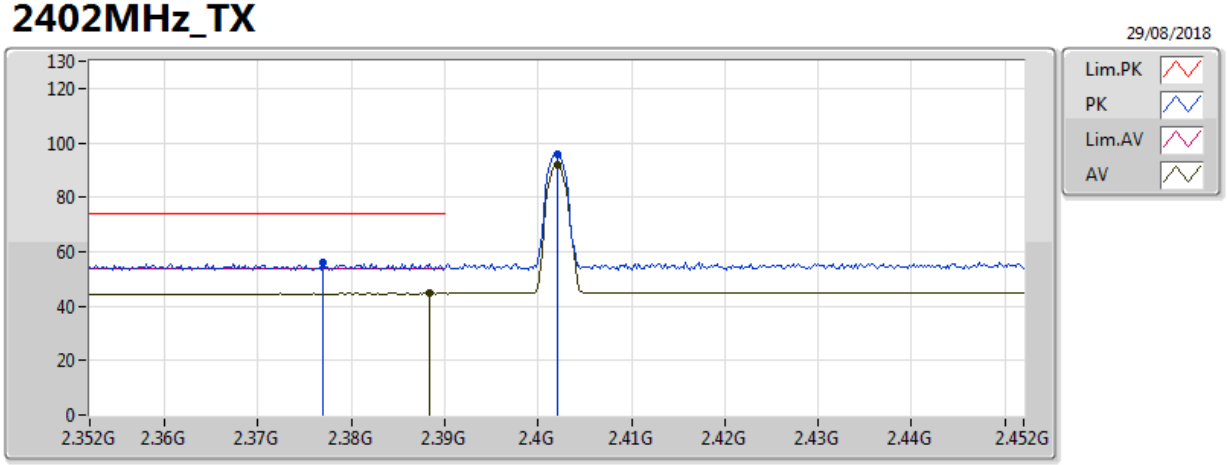
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3896G	44.60	54.00	-9.40	30.77	3	Vertical	283	2.24	-
AV	2.402G	89.00	Inf	-Inf	30.82	3	Vertical	283	2.24	-
PK	2.385G	56.67	74.00	-17.33	30.76	3	Vertical	283	2.24	-
PK	2.4022G	92.82	Inf	-Inf	30.82	3	Vertical	283	2.24	-

BT-EDR(2Mbps)

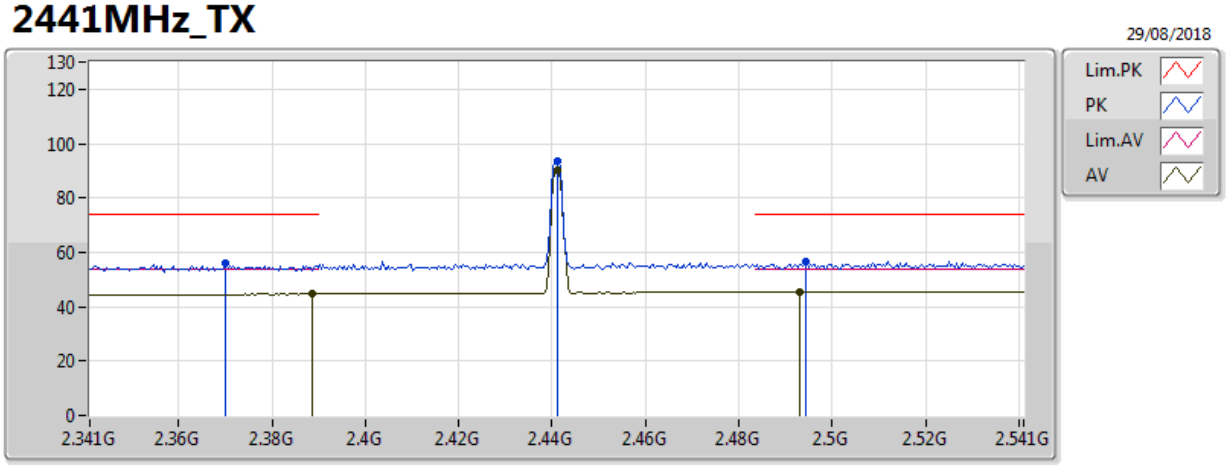
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3884G	44.59	54.00	-9.41	30.77	3	Horizontal	129	2.12	-
AV	2.402G	91.72	Inf	-Inf	30.82	3	Horizontal	129	2.12	-
PK	2.377G	55.77	74.00	-18.23	30.73	3	Horizontal	129	2.12	-
PK	2.402G	95.55	Inf	-Inf	30.82	3	Horizontal	129	2.12	-

BT-EDR(2Mbps)

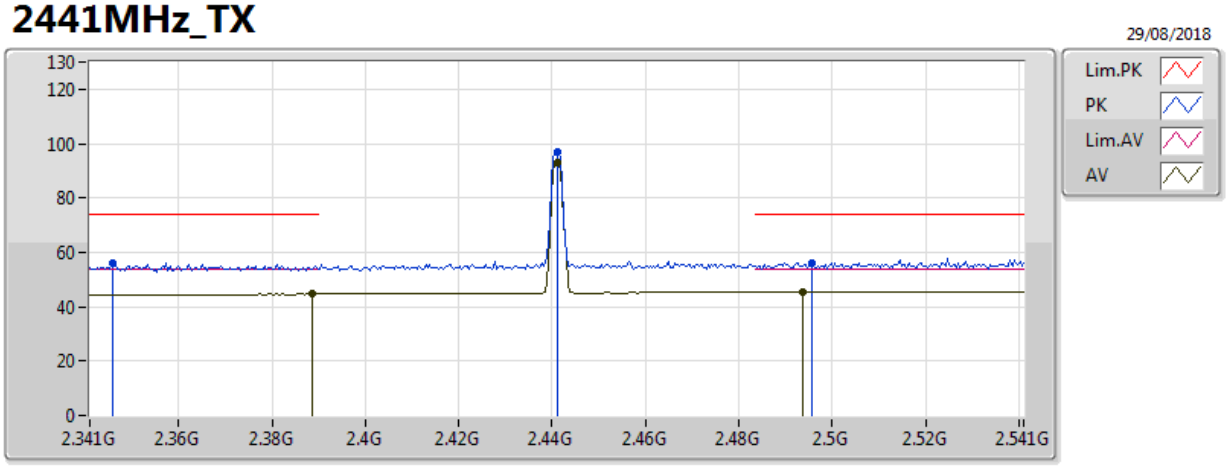
2441MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3886G	44.62	54.00	-9.38	30.77	3	Vertical	284	2.72	-
AV	2.441G	90.02	Inf	-Inf	30.96	3	Vertical	284	2.72	-
AV	2.493G	45.39	54.00	-8.61	31.14	3	Vertical	284	2.72	-
PK	2.3702G	55.82	74.00	-18.18	30.71	3	Vertical	284	2.72	-
PK	2.441G	93.84	Inf	-Inf	30.96	3	Vertical	284	2.72	-
PK	2.4942G	56.32	74.00	-17.68	31.15	3	Vertical	284	2.72	-

BT-EDR(2Mbps)

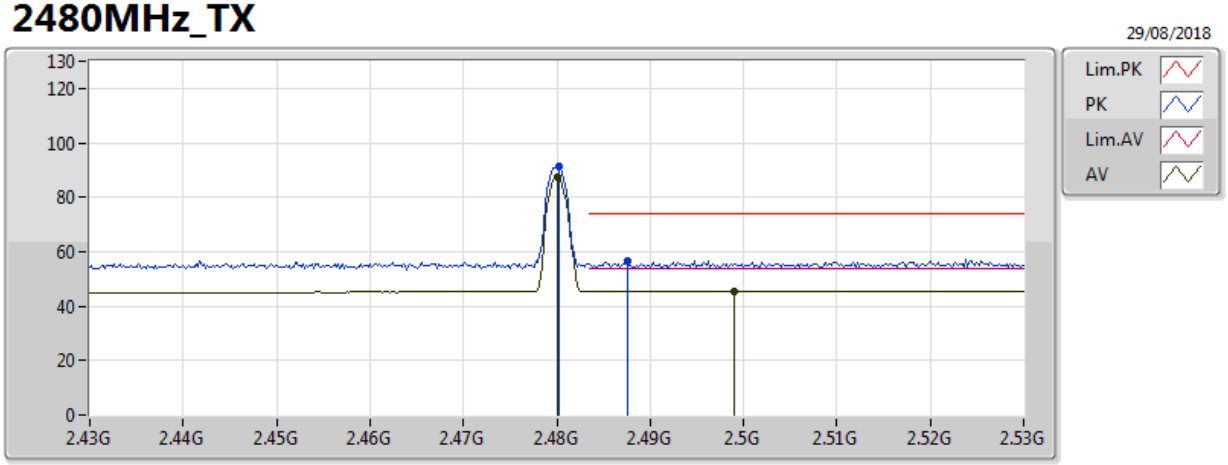
2441MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3886G	44.59	54.00	-9.41	30.77	3	Horizontal	131	2.10	-
AV	2.441G	93.29	Inf	-Inf	30.96	3	Horizontal	131	2.10	-
AV	2.4938G	45.39	54.00	-8.61	31.15	3	Horizontal	131	2.10	-
PK	2.3458G	56.27	74.00	-17.73	30.62	3	Horizontal	131	2.10	-
PK	2.441G	97.12	Inf	-Inf	30.96	3	Horizontal	131	2.10	-
PK	2.4958G	56.12	74.00	-17.88	31.16	3	Horizontal	131	2.10	-

BT-EDR(2Mbps)

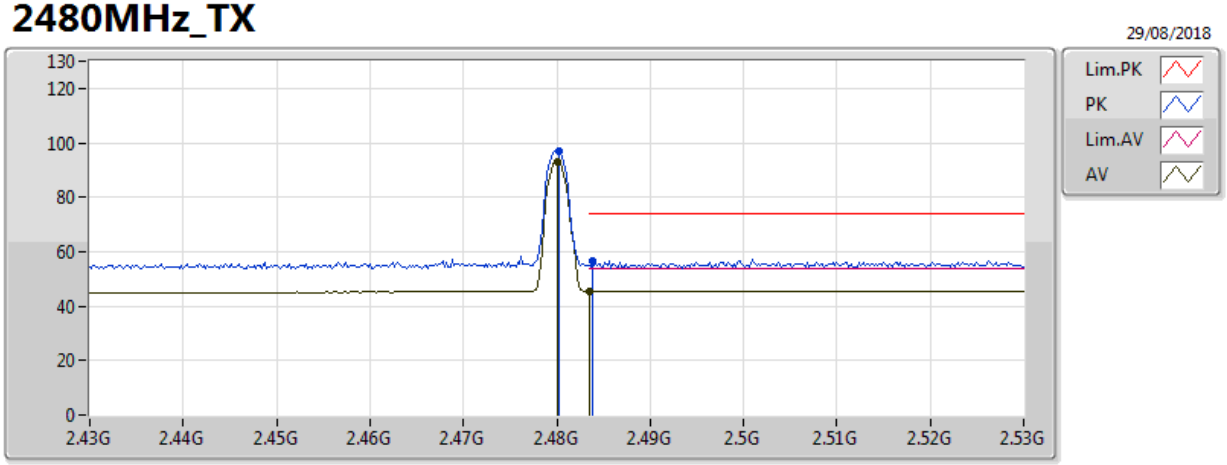
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.48G	87.19	Inf	-Inf	31.10	3	Vertical	358	1.01	-
AV	2.499G	45.40	54.00	-8.60	31.17	3	Vertical	358	1.01	-
PK	2.4802G	91.06	Inf	-Inf	31.10	3	Vertical	358	1.01	-
PK	2.4876G	56.57	74.00	-17.43	31.13	3	Vertical	358	1.01	-

BT-EDR(2Mbps)

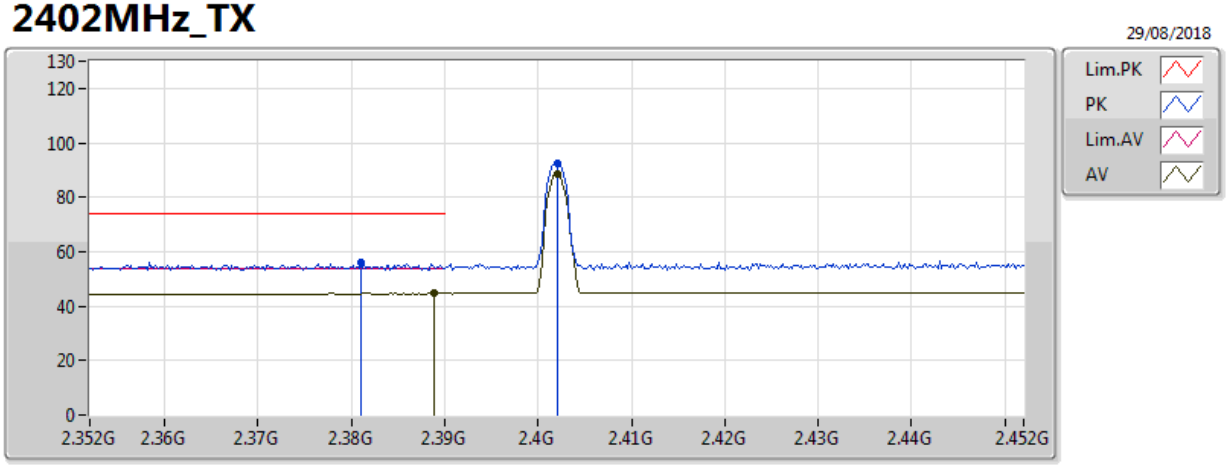
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.48G	93.11	Inf	-Inf	31.10	3	Horizontal	129	2.27	-
AV	2.483502G	45.44	54.00	-8.56	31.11	3	Horizontal	129	2.27	-
PK	2.4802G	96.94	Inf	-Inf	31.10	3	Horizontal	129	2.27	-
PK	2.4838G	56.74	74.00	-17.26	31.11	3	Horizontal	129	2.27	-

BT-EDR(3Mbps)

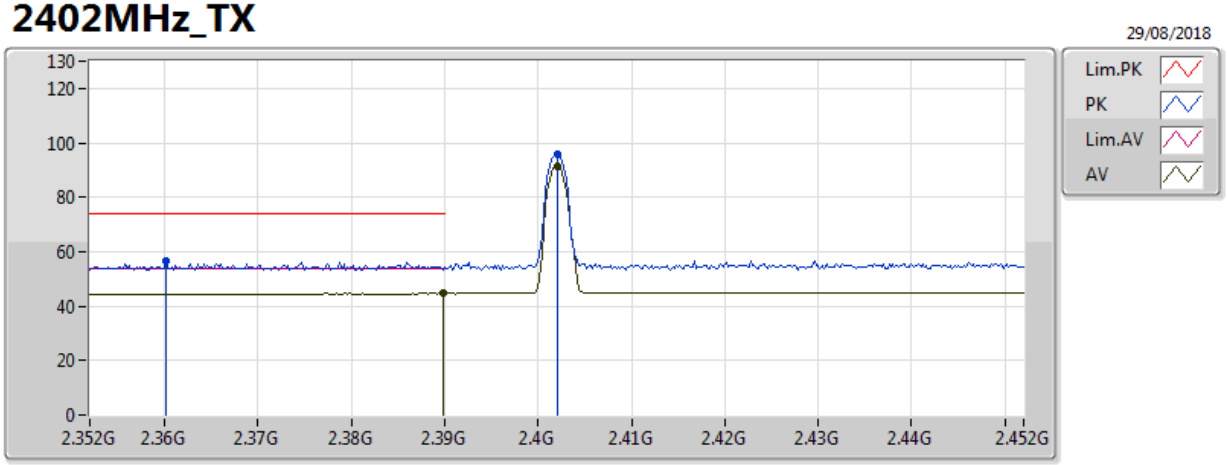
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3888G	44.62	54.00	-9.38	30.77	3	Vertical	287	2.24	-
AV	2.402G	88.61	Inf	-Inf	30.82	3	Vertical	287	2.24	-
PK	2.381G	56.09	74.00	-17.91	30.75	3	Vertical	287	2.24	-
PK	2.402G	92.62	Inf	-Inf	30.82	3	Vertical	287	2.24	-

BT-EDR(3Mbps)

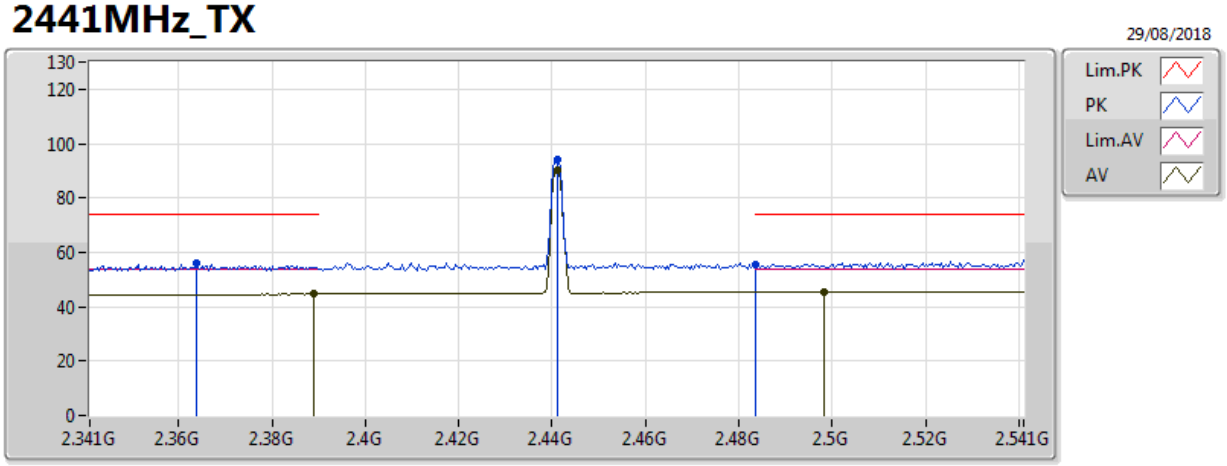
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	44.63	54.00	-9.37	30.77	3	Horizontal	130	2.13	-
AV	2.402G	91.50	Inf	-Inf	30.82	3	Horizontal	130	2.13	-
PK	2.3602G	56.39	74.00	-17.61	30.67	3	Horizontal	130	2.13	-
PK	2.402G	95.55	Inf	-Inf	30.82	3	Horizontal	130	2.13	-

BT-EDR(3Mbps)

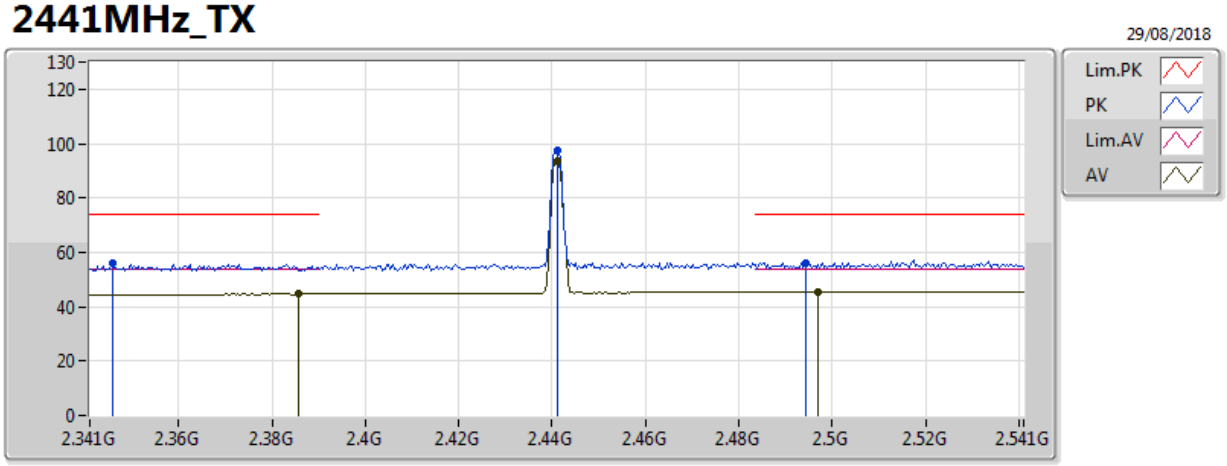
2441MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389G	44.60	54.00	-9.40	30.77	3	Vertical	281	2.71	-
AV	2.441G	89.95	Inf	-Inf	30.96	3	Vertical	281	2.71	-
AV	2.4982G	45.43	54.00	-8.57	31.16	3	Vertical	281	2.71	-
PK	2.3638G	55.79	74.00	-18.21	30.68	3	Vertical	281	2.71	-
PK	2.441G	93.98	Inf	-Inf	30.96	3	Vertical	281	2.71	-
PK	2.483502G	55.69	74.00	-18.31	31.11	3	Vertical	281	2.71	-

BT-EDR(3Mbps)

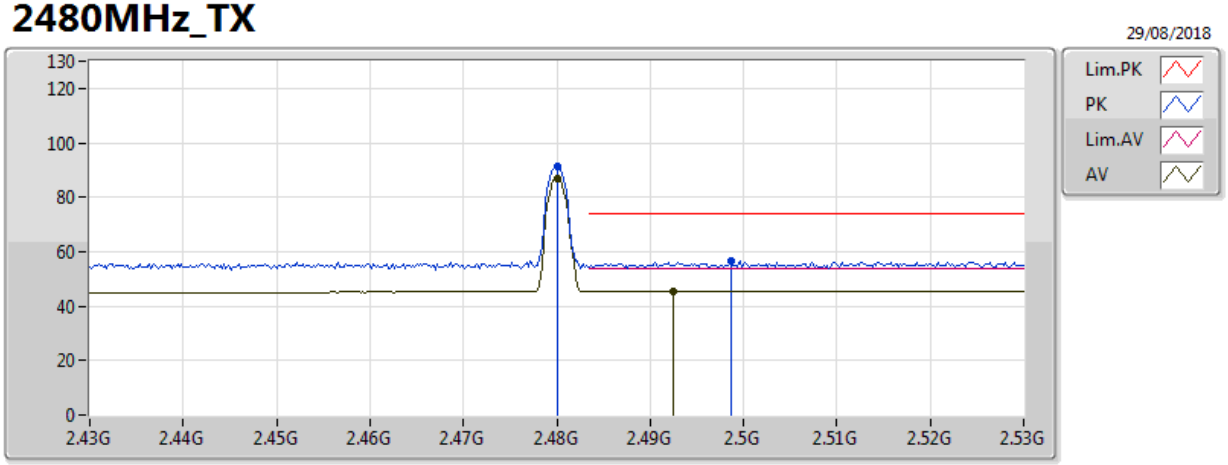
2441MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3858G	44.61	54.00	-9.39	30.76	3	Horizontal	128	2.34	-
AV	2.441G	93.55	Inf	-Inf	30.96	3	Horizontal	128	2.34	-
AV	2.497G	45.41	54.00	-8.59	31.16	3	Horizontal	128	2.34	-
PK	2.3458G	55.78	74.00	-18.22	30.62	3	Horizontal	128	2.34	-
PK	2.441G	97.58	Inf	-Inf	30.96	3	Horizontal	128	2.34	-
PK	2.4942G	56.16	74.00	-17.84	31.15	3	Horizontal	128	2.34	-

BT-EDR(3Mbps)

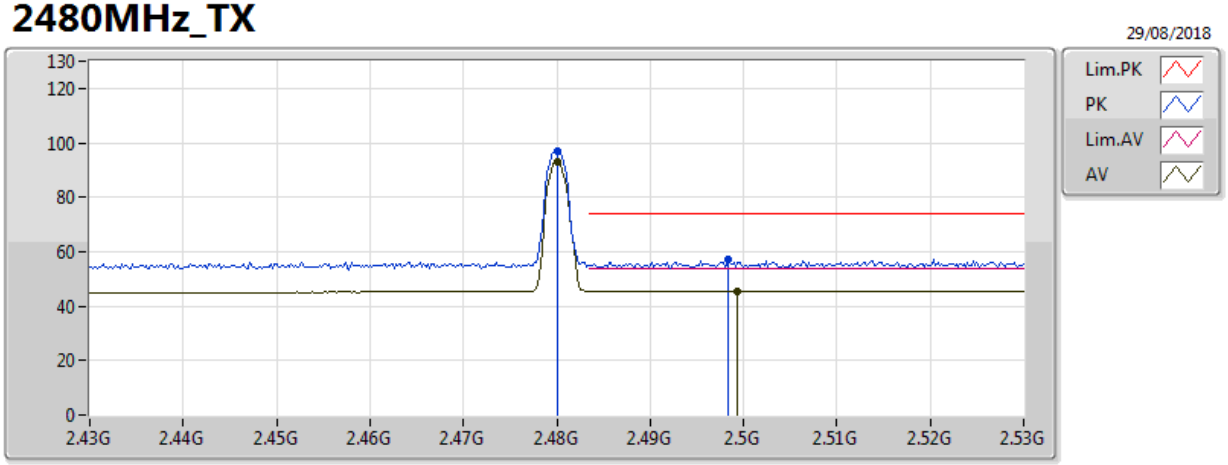
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.48G	87.08	Inf	-Inf	31.10	3	Vertical	355	1.01	-
AV	2.4924G	45.43	54.00	-8.57	31.14	3	Vertical	355	1.01	-
PK	2.48G	91.16	Inf	-Inf	31.10	3	Vertical	355	1.01	-
PK	2.4986G	56.84	74.00	-17.16	31.17	3	Vertical	355	1.01	-

BT-EDR(3Mbps)

2480MHz_TX

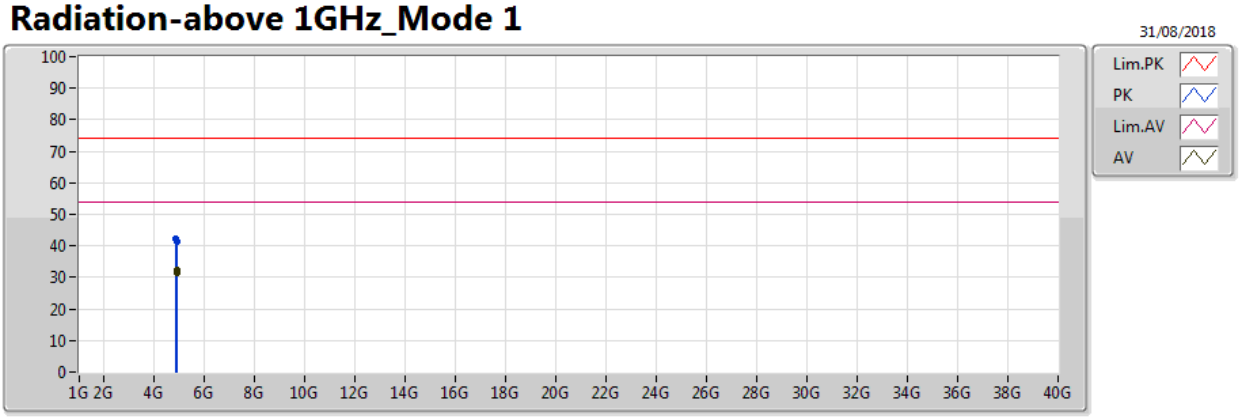


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.48G	93.03	Inf	-Inf	31.10	3	Horizontal	126	2.27	-
AV	2.4994G	45.44	54.00	-8.56	31.17	3	Horizontal	126	2.27	-
PK	2.48G	97.08	Inf	-Inf	31.10	3	Horizontal	126	2.27	-
PK	2.4984G	57.43	74.00	-16.57	31.17	3	Horizontal	126	2.27	-

Summary

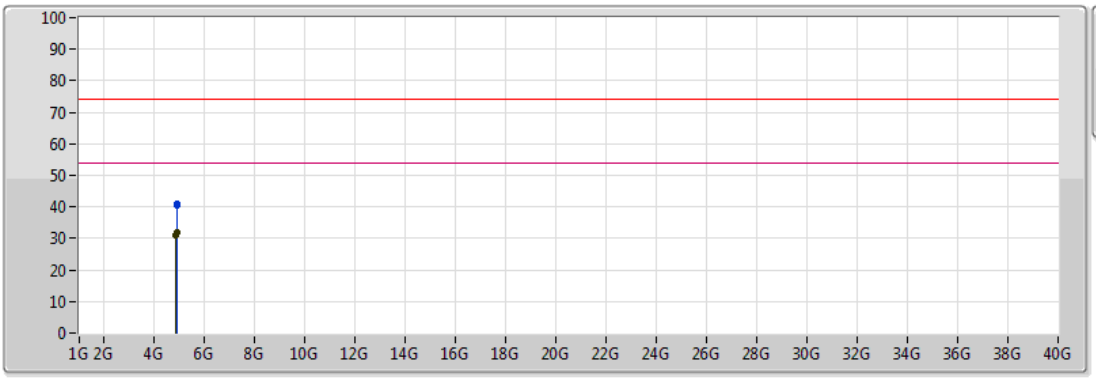
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1.	Pass	AV	4.824G	48.55	54.00	-5.45	2.13	3	Vertical	215	1.53	-
Mode 2.	Pass	AV	4.804G	47.56	54.00	-6.44	2.08	3	Vertical	175	1.67	-

Radiation-above 1GHz_Mode 1



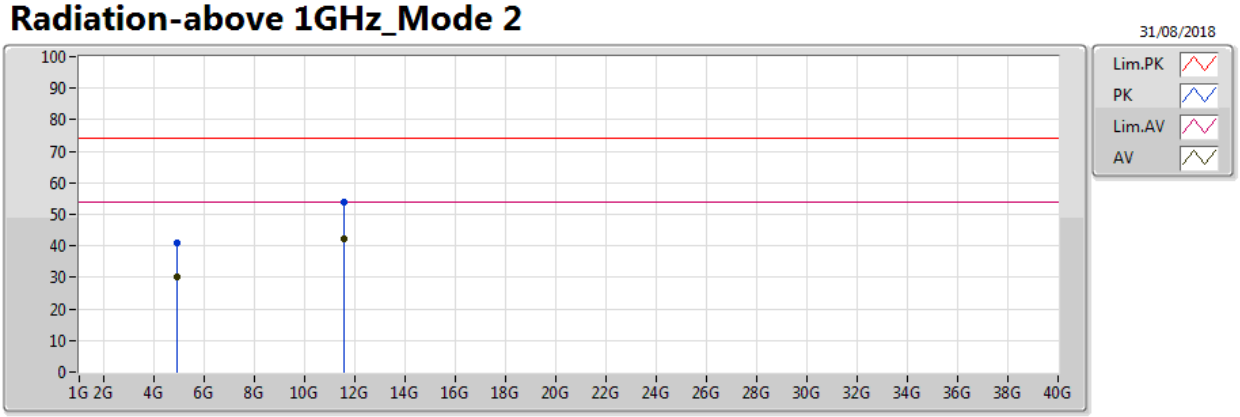
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.889G	32.28	54.00	-21.72	1.40	3	Vertical	126	1.64	-	30.88	31.24	4.55	34.39
AV	4.8942G	31.56	54.00	-22.44	1.42	3	Vertical	200	1.82	-	30.14	31.25	4.56	34.39
PK	4.8626G	42.19	74.00	-31.81	1.36	3	Vertical	126	1.64	-	40.83	31.21	4.54	34.39
PK	4.88631G	41.54	74.00	-32.46	1.40	3	Vertical	200	1.82	-	40.14	31.24	4.55	34.39

Radiation-above 1GHz_Mode 1



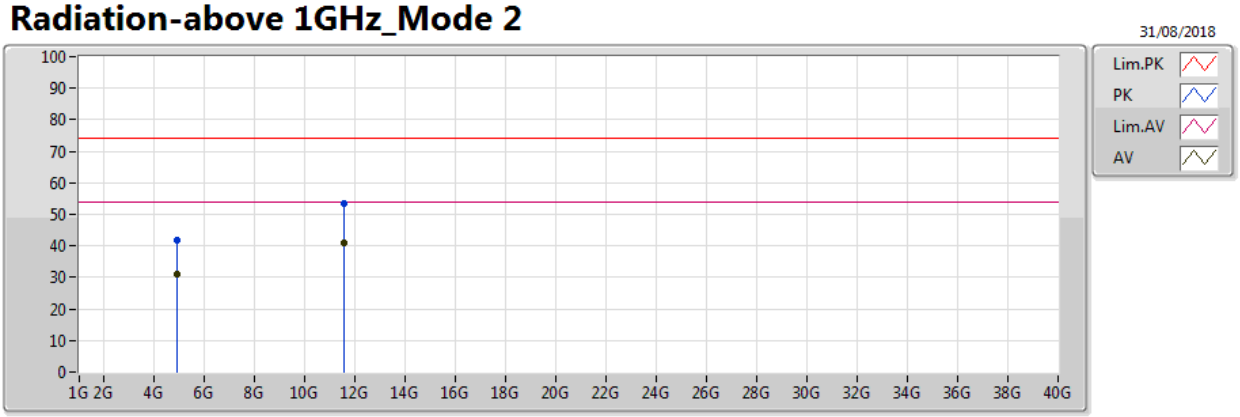
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.86721G	31.24	54.00	-22.76	1.36	3	Horizontal	186	2.23	-	29.88	31.21	4.54	34.39
AV	4.8891G	32.07	54.00	-21.93	1.40	3	Horizontal	311	2.01	-	30.67	31.24	4.55	34.39
PK	4.88564G	41.11	74.00	-32.89	1.40	3	Horizontal	311	2.01	-	39.71	31.24	4.55	34.39
PK	4.89374G	40.56	74.00	-33.44	1.42	3	Horizontal	186	2.23	-	39.14	31.25	4.56	34.39

Radiation-above 1GHz_Mode 2



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	4.883G	30.06	54.00	-23.94	1.40	3	Vertical	180	1.70	-	28.66	31.24	4.55	34.39
AV	11.5458G	42.40	54.00	-11.60	12.04	3	Vertical	280	1.69	-	30.36	39.34	7.49	34.79
PK	4.8814G	41.10	74.00	-32.90	1.39	3	Vertical	180	1.70	-	39.71	31.23	4.55	34.39
PK	11.54564G	54.06	74.00	-19.94	12.04	3	Vertical	280	1.69	-	42.02	39.34	7.49	34.79

Radiation-above 1GHz_Mode 2



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	4.87314G	31.24	54.00	-22.76	1.38	3	Vertical	190	2.20	-	29.86	31.22	4.55	34.39
AV	11.55273G	41.12	54.00	-12.88	12.03	3	Vertical	224	2.42	-	29.09	39.33	7.49	34.79
PK	4.881G	41.75	74.00	-32.25	1.39	3	Vertical	190	2.20	-	40.36	31.23	4.55	34.39
PK	11.553G	53.53	74.00	-20.47	12.03	3	Vertical	224	2.42	-	41.50	39.33	7.49	34.79