

NCC Test Report

Equipment : WiFi and Bluetooth Module
Brand Name : tuya
Model Name : TYWE3SE
Applicant : 杭州塗鴉信息技術有限公司
浙江省杭州市西湖區浙商財富中心 3 幢 701 室
Manufacturer : 杭州塗鴉信息技術有限公司
浙江省杭州市西湖區浙商財富中心 3 幢 701 室
Standard : LP0002 Section 4.10 (2020-07-01)

The product was received on Dec. 23, 2020, and testing was started from Dec. 28, 2020 and completed on Dec. 30, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

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History of this test report

TEL : 886-3-3273456
FAX : 886-3-3270973
Report Template No.: HE1-C9 Ver3.8

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	4.10.1.4	Antenna Requirement	PASS	-
3.1	3.3	AC Power-line Conducted Emissions	PASS	-
3.2	4.10.1.6	20dB Bandwidth	PASS	-
3.2	4.10.1.6	Carrier Frequency Separation	PASS	-
3.3	4.10.1.2	Maximum Conducted Output Power	PASS	-
3.4	4.10.1.6	Number of Hopping Frequencies and Hopping Bandedge	PASS	-
3.5	4.10.1.6	Time of Occupancy (Dwell Time)	PASS	-
3.6	4.10.1.5	Emissions in Non-restricted Frequency Bands	PASS	-
3.7	4.10.1.5	Emissions in Restricted Frequency Bands	PASS	-
3.8	3.9	Receiver Radiated Unwanted Emissions	PASS	-

Declaration of Conformity:

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

Comments and explanations:

None

Reviewed by: Ben Tseng

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 $\pi/4$ -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	Hangzhou TUYA	TYWE3SE	PCB	N/A

Ant.	Port	Gain (dBi)	
		2.4G	BT
1	1	2.5	2.5

Note 1: The EUT has one antenna.

For 2.4GHz function:

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

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

For BT function:

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

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

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From Host system		
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) $\geq 1/T$
BT-BR(1Mbps)	0.577	2.39	2.883m	1k
BT-EDR(2Mbps)	0.577	2.39	2.749m	1k
BT-EDR(3Mbps)	0.578	2.38	2.751m	1k

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

1.2 Testing Applied Standards

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

- ♦ LP0002 (2020-07-01)
- ♦ ANSI C63.10-2013
- ♦ ANSI C63.4-2014

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

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

1.3 Testing Location Information

Testing Location			
☒	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	
		TEL : 886-3-327-3456	FAX : 886-3-327-0973
☐	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
☐	Wen Shan	ADD : No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)	
		TEL : 886-3-318-0787	FAX : 886-3-318-0287

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Edward Wang	22.3~23.0°C / 58~ 63%	30/Dec/2020
RF Conducted	TH01-HY	Barry Hsiao	20.6~21.9°C / 57~62%	28/Dec/2020~ 30/Dec/2020
Radiated	03CH03-HY	Edward Wang	20.1~26.9°C / 50~60%	28/Dec/2020~ 30/Dec/2020

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	110V

2.2 Test Channel Mode

Test Software Version	espRFTTool v1.1.0
-----------------------	-------------------

Mode	Power Setting
BT-BR(1Mbps)	-
2402MHz	8
2440MHz	8
2480MHz	8
BT-EDR(2Mbps)	-
2402MHz	8
2440MHz	8
2480MHz	8
BT-EDR(3Mbps)	-
2402MHz	8
2440MHz	8
2480MHz	8

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/CRX
1	Fixture mode; CTX
2	Fixture mode; CRX

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 ☒ Non-adaptive frequency hopping systems (Non-AFH) ☒ adaptive frequency hopping systems (AFH)
Non-AFH Mode configuration was found to be the worst case and measured during the test.	

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

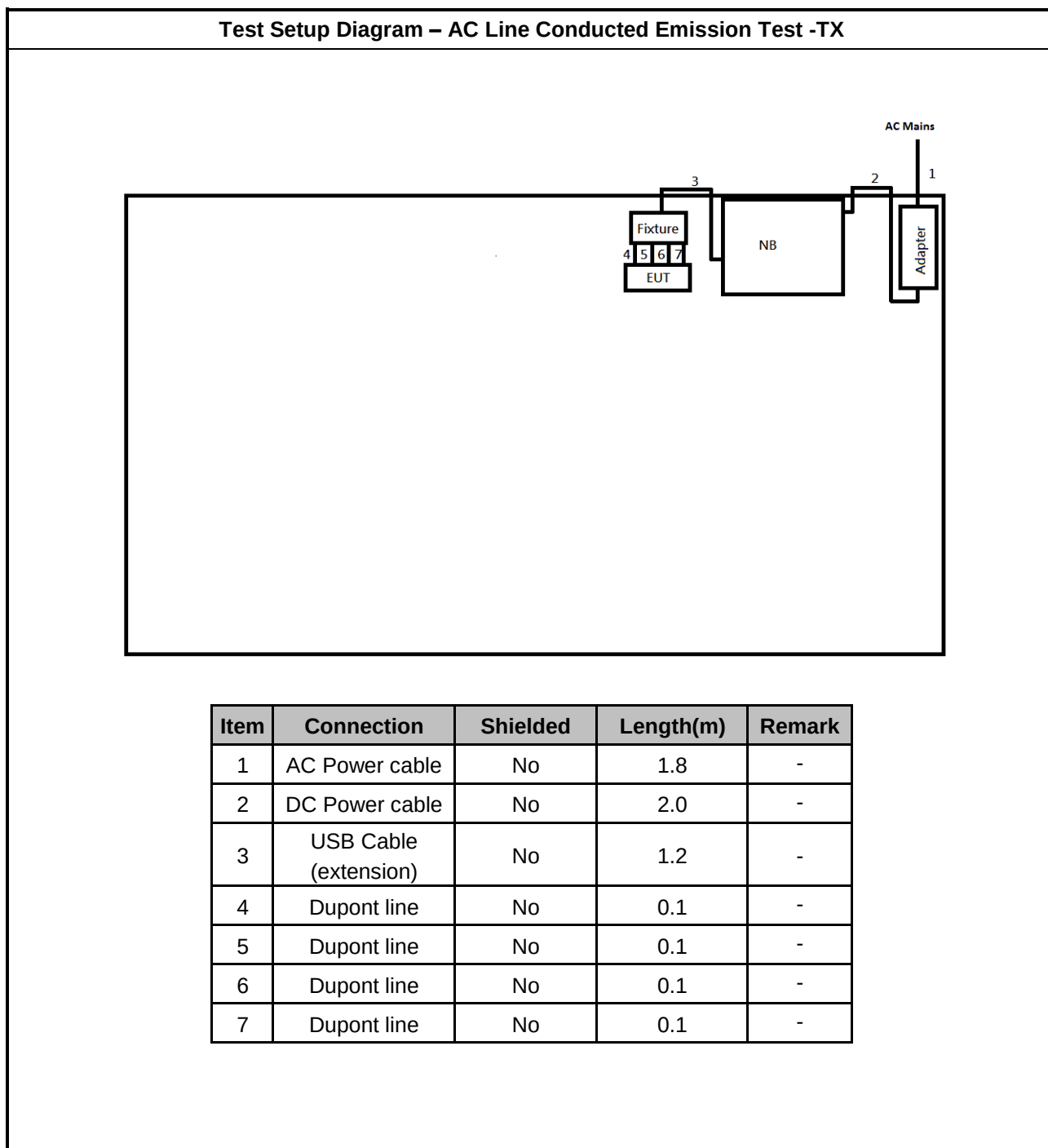
2.4 Support Equipment

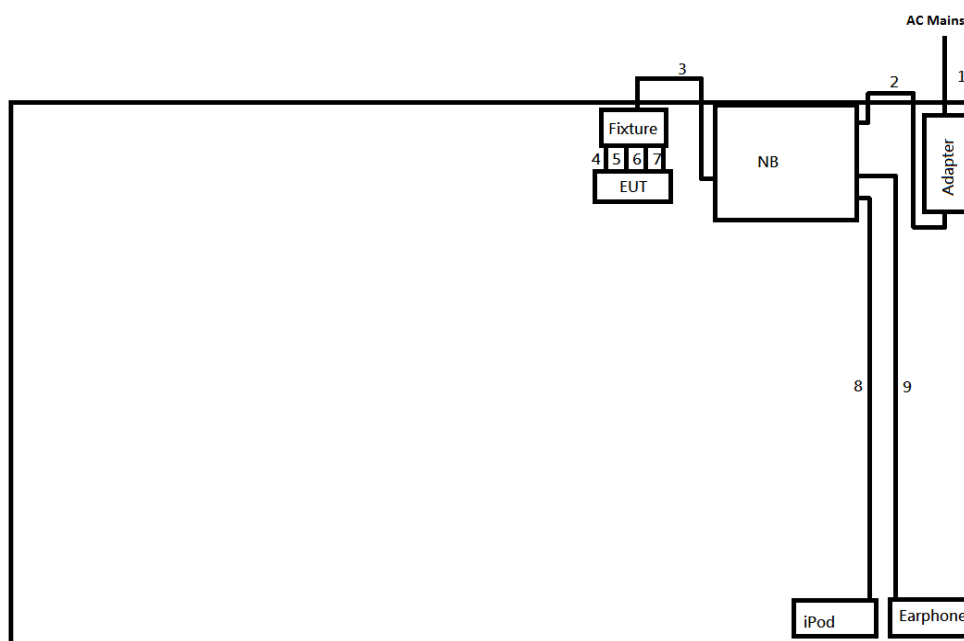
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	HP	5220M	-	-
2	Adapter for NB	HP	PPP012L-E	-	-
3	AC Power Cable for NB	Power sync	PW-GPC180-3	-	-
4	USB cable	cingkang	US-46	-	-
5	Earphone	Apple	MD827FE/A	-	-
6	Apple 30-pin to USB Original Cable	Apple	MA591G/C	-	-
7	iPod	Apple	A1199	-	-
8	Fixture(Sporton)	TAIWANIOT	CP2102 MODULES	-	-
9	Dupont line	TAIWANIOT	40P 1P-1P	-	-

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	Fixture(Sporton)	TAIWANIOT	CP2102 MODULES	-	-
4	Dupont line	TAIWANIOT	40P 1P-1P	-	-

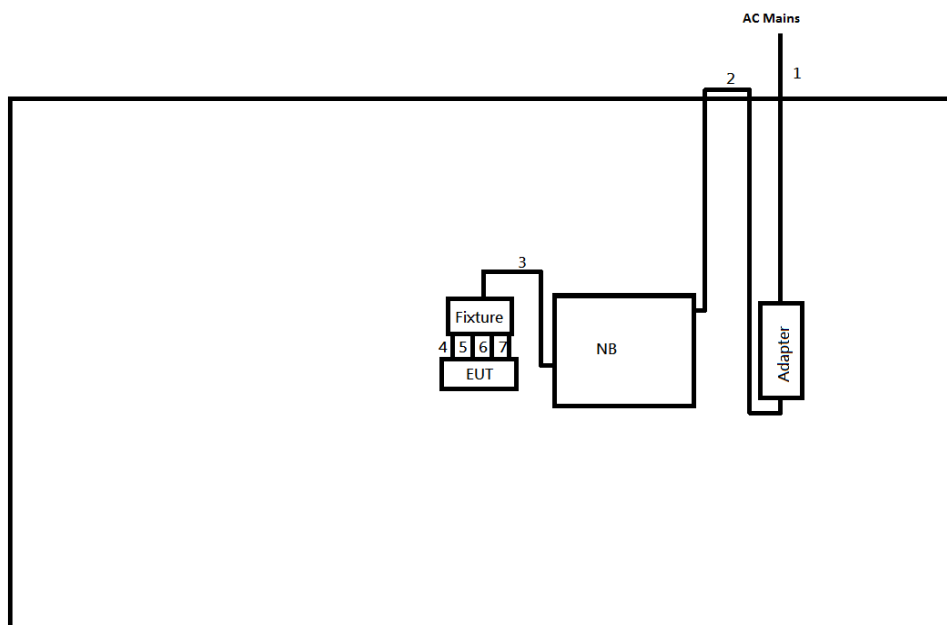
Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	HP	5220M	-	-
2	Adapter for NB	HP	PPP012L-E	-	-
3	AC Power Cable for NB	Power sync	PW-GPC180-3	-	-
4	USB cable	cingkang	US-46	-	-
5	Earphone	Apple	MD827FE/A	-	-
6	Apple 30-pin to USB Original Cable	Apple	MA591G/C	-	-
7	iPod	Apple	A1199	-	-
8	Fixture(Sporton)	TAIWANIOT	CP2102 MODULES	-	-
9	Dupont line	TAIWANIOT	40P 1P-1P	-	-

2.5 Test Setup Diagram

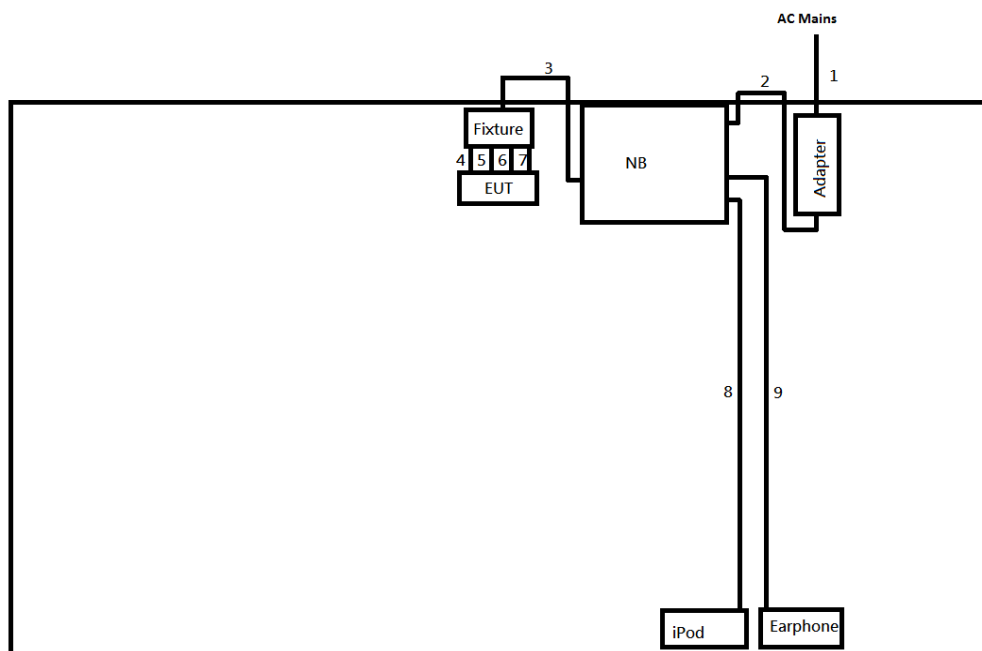


Test Setup Diagram – AC Line Conducted Emission Test -RX


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	2.0	-
3	USB Cable (extension)	No	1.2	-
4	Dupont line	No	0.1	-
5	Dupont line	No	0.1	-
6	Dupont line	No	0.1	-
7	Dupont line	No	0.1	-
8	30-pin to USB Original Cable	No	1.0	-
9	Audio Cable	No	1.25	-

Test Setup Diagram - Radiated Test-TX


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	2.0	-
3	USB Cable (extension)	No	1.2	-
4	Dupont line	No	0.1	-
5	Dupont line	No	0.1	-
6	Dupont line	No	0.1	-
7	Dupont line	No	0.1	-

Test Setup Diagram - Radiated Test-RX


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	2.0	-
3	USB Cable (extension)	No	1.2	-
4	Dupont line	No	0.1	-
5	Dupont line	No	0.1	-
6	Dupont line	No	0.1	-
7	Dupont line	No	0.1	-
8	30-pin to USB Original Cable	No	1.0	-
9	Audio Cable	No	1.25	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

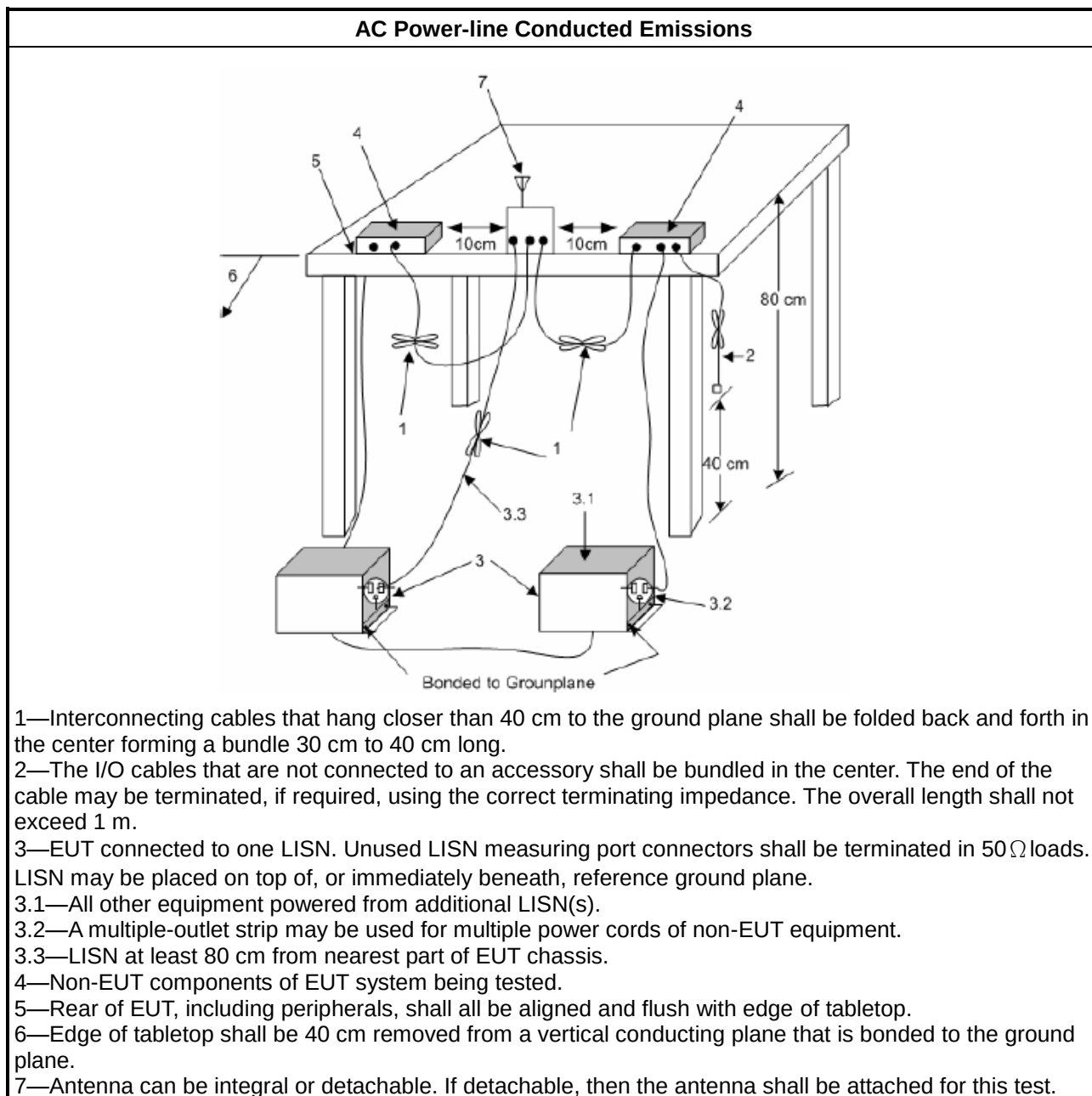
Test Method
▪ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 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:	
	$N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz).
	$75 > N \geq 15$ and $ChS \geq MAX$ (20 dB bandwidth 2/3, 25 kHz).
N: Number of Hopping Frequencies; ChS: Hopping Channel Separation	

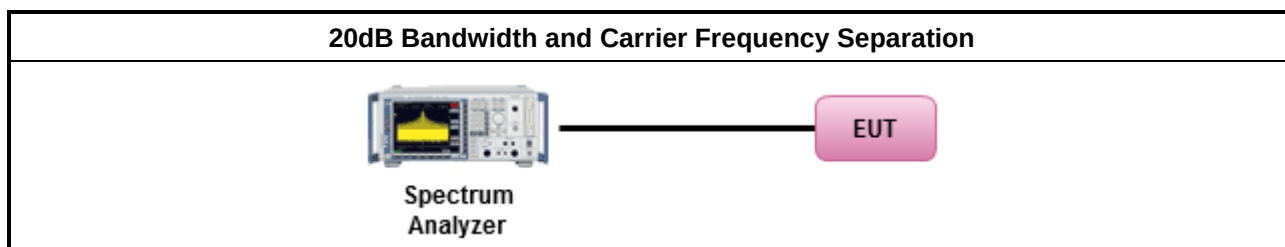
3.2.2 Measuring Instruments

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



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:	
	$N \geq 75$; Power 30dBm; EIRP 36dBm
	$75 > N \geq 15$; Power 21dBm; EIRP 27dBm
N: Number of Hopping Frequencies	

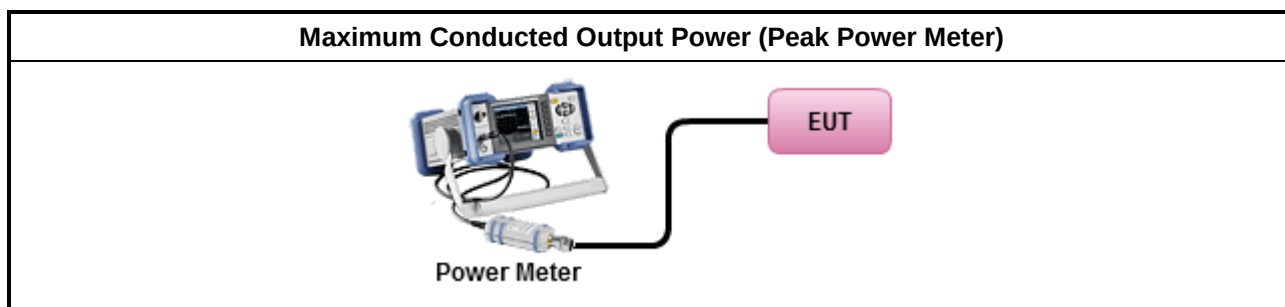
3.3.2 Measuring Instruments

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



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:	
	▪ $N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz).
	▪ $75 > N \geq 15$ and $ChS \geq MAX$ (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

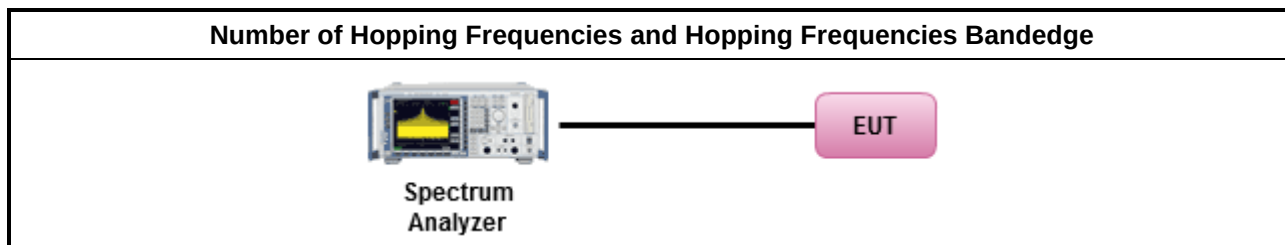
3.4.3 Measuring Instruments

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



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:	
	$N \geq 75$; 0.4s in $N \times 0.4$ period
	$75 > N \geq 15$; 0.4s in $N \times 0.4$ period
N: Number of Hopping Frequencies	

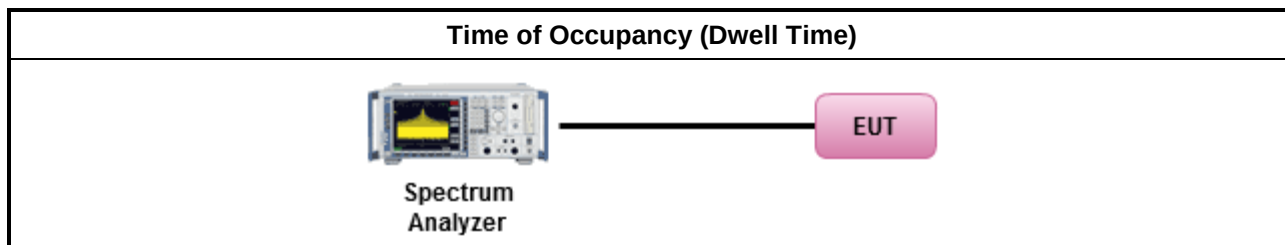
3.5.2 Measuring Instruments

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



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.	

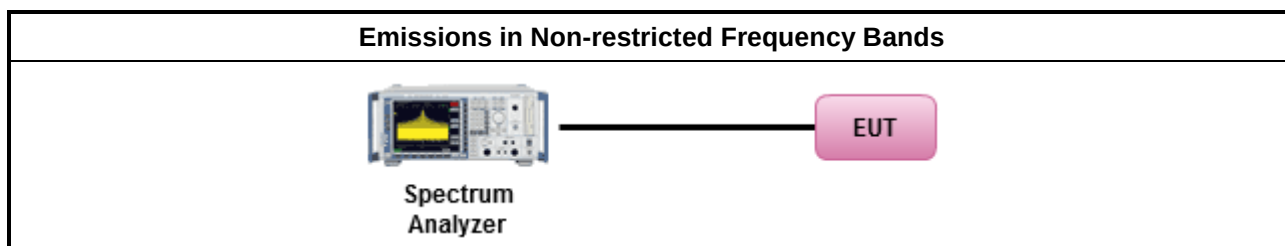
3.6.2 Measuring Instruments

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



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 below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB / decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

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

3.7.2 Measuring Instruments

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

3.7.3 Test Procedures

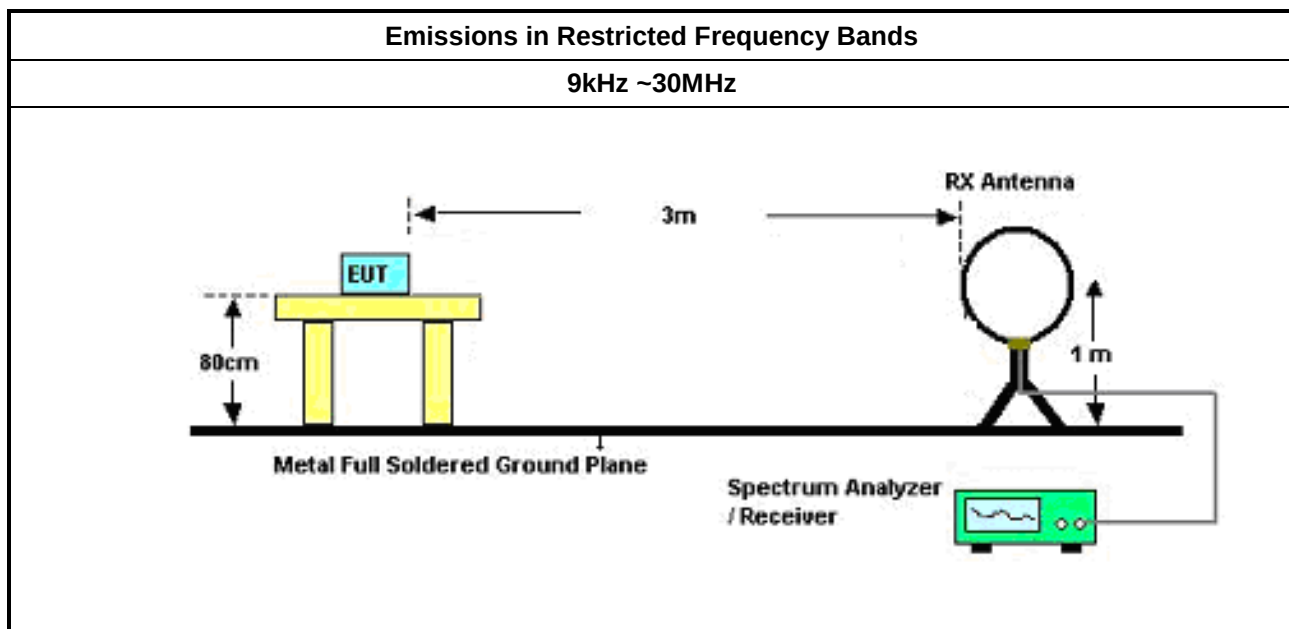
Test Method	
The average emission levels shall be measured in [hopping duty factor].	
Refer as ANSI C63.10; clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as 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.
KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	Based on LP0002 6.5.2: measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

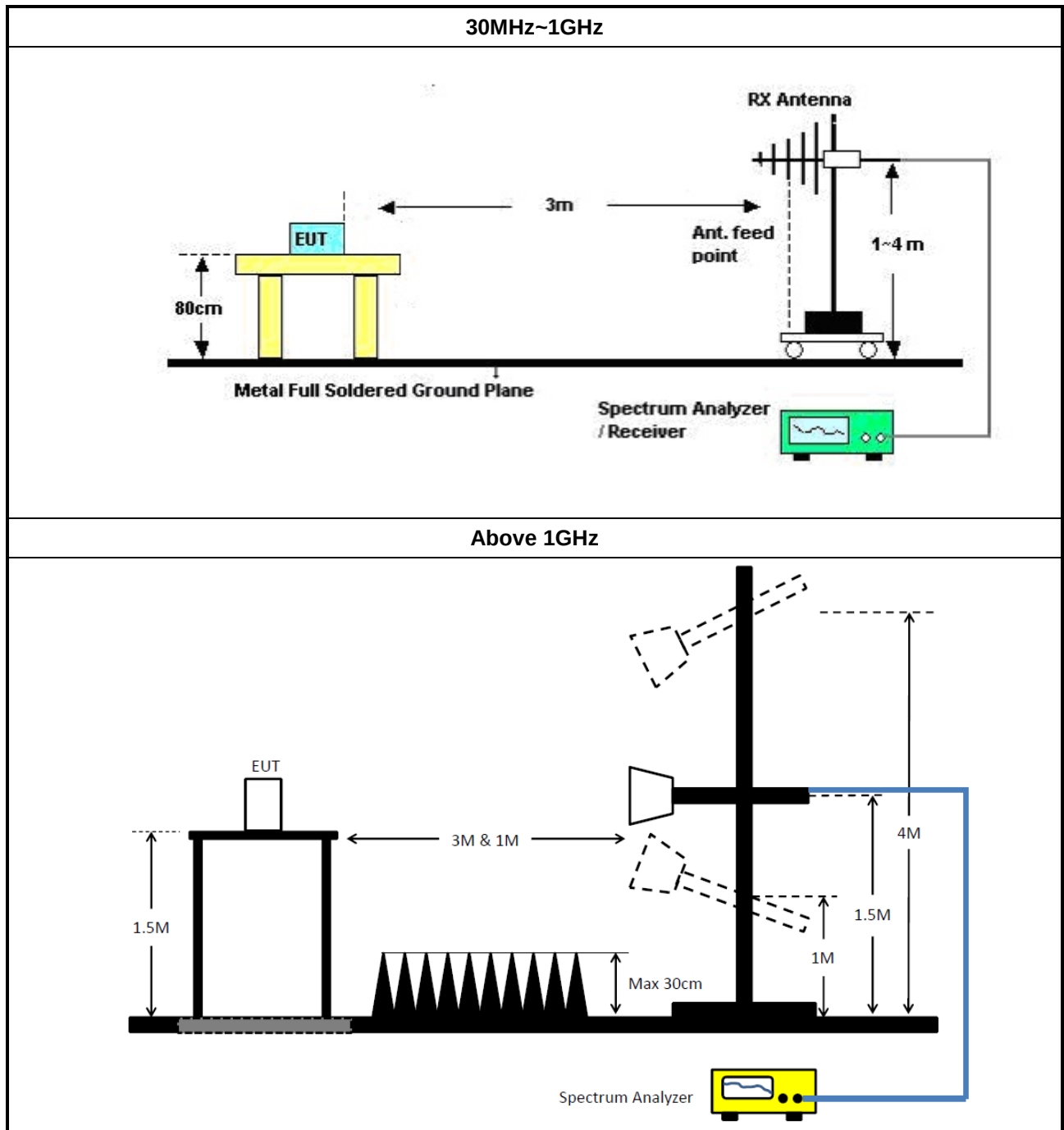
3.7.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.7.5 Test Setup





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

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

3.7.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix G

3.8 Receiver Radiated Spurious Emissions

3.8.1 Receiver in Radiated Spurious Emissions Limit

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

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

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

3.8.2 Measuring Instruments

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

3.8.3 Test Procedures

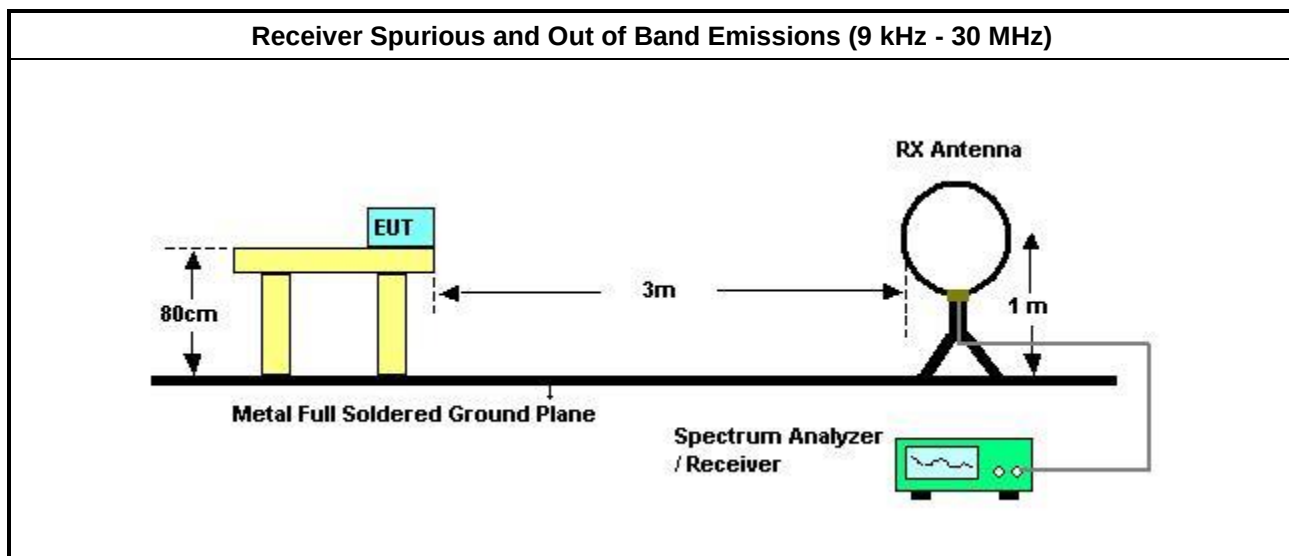
Test Method	
☒	The search for spurious emissions shall be from the lowest frequency internally generated or used in the receiver (e.g. local oscillator, intermediate or carrier frequency), or 30 MHz, whichever is higher, to at least 3 times the highest tuneable or local oscillator frequency, whichever is higher, without exceeding 40 GHz.
☒	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).
☒	For radiated measurement, refer as ANSI C63.4, clause 8.3.
☒	Refer as ANSI C63.4, clause 8.3.1.1 and 8.3.2.1 for radiated emissions from below 30 MHz.
☒	Refer as ANSI C63.4, clause 8.3.1.1 and 8.3.2.1 for radiated emissions from 30 MHz-1 GHz. For the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the QP-Limit so that the QP level does not need to be reported in addition.
☒	Refer as ANSI C63.4, clause 8.3.1.2 and 8.3.2.2 for radiated emissions from above 1 GHz. For the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
☒	All amplitude of spurious emissions that are attenuated by more than 30 dB below the permissible value has no need to be reported.

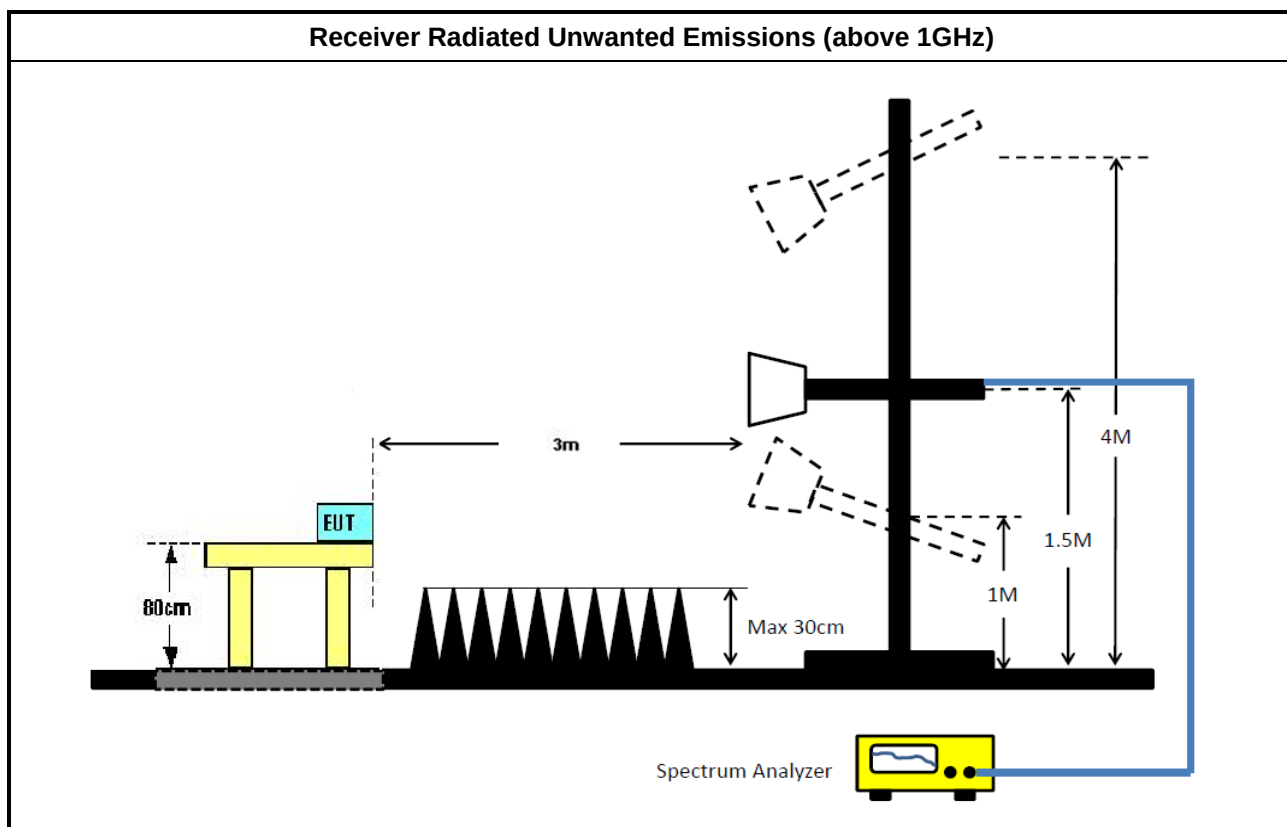
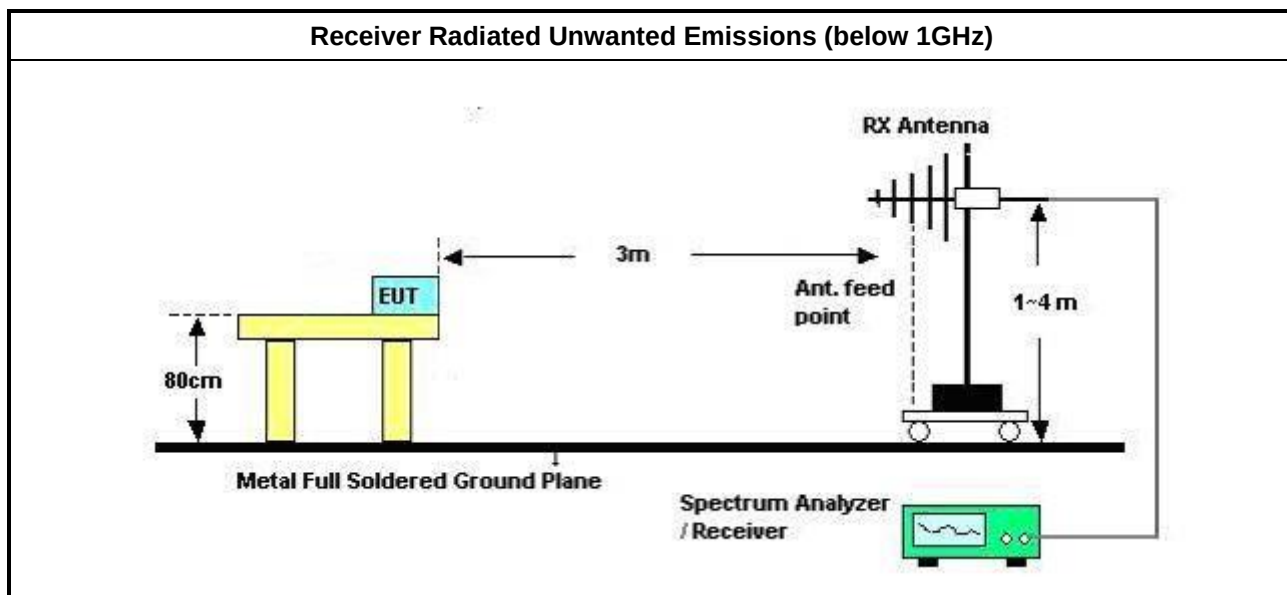
3.8.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.8.5 Test Setup





3.8.6 Receiver Radiated Unwanted Emissions (Below 30MHz)

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

3.8.7 Test Result of Receiver Radiated Unwanted Emissions

Refer as Appendix H

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer/ Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	29/May/2020	28/May/2021
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	11/Nov/2020	10/Nov/2021
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	31/Aug/2020	30/Aug/2021
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	21/Sep/2020	20/Sep/2021

Instrument for Conducted Test

Instrument	Manufacturer/ Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	19/Mar/2020	18/Mar/2021
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	20/Oct/2020	19/Oct/2021
Pulse Sensor	Anritsu	MA2411B	917017	300MHz~40GHz	17/Feb/2020	16/Feb/2021
Power Meter	Anritsu	ML2495A	949003	300MHz~40GHz	17/Feb/2020	16/Feb/2021

Instrument for Radiated Test

Instrument	Manufacturer/ Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	06/Aug/2020	05/Aug/2021
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	04/Aug/2020	03/Aug/2021
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	19/Aug/2020	18/Aug/2021
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	14/Apr/2020	13/Apr/2021
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270196	1GHz~26.5GHz	06/Oct/2020	05/Oct/2021
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	25/Oct/2020	24/Oct/2021
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	26/Mar/2020	25/Mar/2021
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz~30MHz	20/Jun/2020	19/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB021	30MHz~1GHz	18/Mar/2020	17/Mar/2021
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	SN MY38596/4+SN 804300/4	1GHz~40GHz	04/Aug/2020	03/Aug/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2020	15/Mar/2021
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	13/Mar/2020	12/Mar/2021
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	29/May/2020	28/May/2021
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	10/Mar/2020	09/Mar/2021



Conducted Emissions at Powerline

Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	211.442k	49.51	63.15	-13.64	Line
Mode 2	Pass	QP	212.287k	49.08	63.11	-14.03	Neutral

Mode Configure

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	211.442k	49.51	63.15	-13.64	Line	"Worst"
Mode 1	Pass	AV	211.442k	37.51	53.15	-15.64	Line	-
Mode 1	Pass	QP	284.109k	40.53	60.70	-20.17	Line	-
Mode 1	Pass	AV	284.109k	29.46	50.70	-21.24	Line	-
Mode 1	Pass	QP	353.867k	34.80	58.87	-24.07	Line	-
Mode 1	Pass	AV	353.867k	25.68	48.87	-23.19	Line	-
Mode 1	Pass	QP	1.414M	31.47	56.00	-24.53	Line	-
Mode 1	Pass	AV	1.414M	30.33	46.00	-15.67	Line	-
Mode 1	Pass	QP	2.194M	31.98	56.00	-24.02	Line	-
Mode 1	Pass	AV	2.194M	30.43	46.00	-15.57	Line	-
Mode 1	Pass	QP	12.454M	30.28	60.00	-29.72	Line	-
Mode 1	Pass	AV	12.454M	25.62	50.00	-24.38	Line	-
Mode 1	Pass	QP	213.137k	49.41	63.07	-13.66	Neutral	"Worst"
Mode 1	Pass	AV	213.137k	37.30	53.07	-15.77	Neutral	-
Mode 1	Pass	QP	284.109k	39.76	60.70	-20.94	Neutral	-
Mode 1	Pass	AV	284.109k	28.47	50.70	-22.23	Neutral	-
Mode 1	Pass	QP	636.349k	31.85	56.00	-24.15	Neutral	-
Mode 1	Pass	AV	636.349k	29.56	46.00	-16.44	Neutral	-
Mode 1	Pass	QP	1.84M	28.62	56.00	-27.38	Neutral	-
Mode 1	Pass	AV	1.84M	26.59	46.00	-19.41	Neutral	-
Mode 1	Pass	QP	2.194M	32.10	56.00	-23.90	Neutral	-
Mode 1	Pass	AV	2.194M	30.56	46.00	-15.44	Neutral	-
Mode 1	Pass	QP	10.616M	30.40	60.00	-29.60	Neutral	-
Mode 1	Pass	AV	10.616M	26.46	50.00	-23.54	Neutral	-
Mode 2	Pass	QP	213.989k	48.84	63.06	-14.22	Line	"Worst"
Mode 2	Pass	AV	213.989k	36.66	53.06	-16.40	Line	-
Mode 2	Pass	QP	284.109k	39.99	60.70	-20.71	Line	-
Mode 2	Pass	AV	284.109k	29.01	50.70	-21.69	Line	-
Mode 2	Pass	QP	353.867k	35.02	58.87	-23.85	Line	-
Mode 2	Pass	AV	353.867k	25.57	48.87	-23.30	Line	-
Mode 2	Pass	QP	636.349k	32.05	56.00	-23.95	Line	-
Mode 2	Pass	AV	636.349k	29.72	46.00	-16.28	Line	-
Mode 2	Pass	QP	1.699M	31.85	56.00	-24.15	Line	-
Mode 2	Pass	AV	1.699M	30.80	46.00	-15.20	Line	-
Mode 2	Pass	QP	9.841M	29.76	60.00	-30.24	Line	-
Mode 2	Pass	AV	9.841M	25.88	50.00	-24.12	Line	-
Mode 2	Pass	QP	212.287k	49.08	63.11	-14.03	Neutral	"Worst"
Mode 2	Pass	AV	212.287k	36.40	53.11	-16.71	Neutral	-
Mode 2	Pass	QP	355.282k	32.32	58.83	-26.51	Neutral	-
Mode 2	Pass	AV	355.282k	22.52	48.83	-26.31	Neutral	-
Mode 2	Pass	QP	638.894k	30.33	56.00	-25.67	Neutral	-
Mode 2	Pass	AV	638.894k	26.83	46.00	-19.17	Neutral	-
Mode 2	Pass	QP	1.699M	30.38	56.00	-25.62	Neutral	-

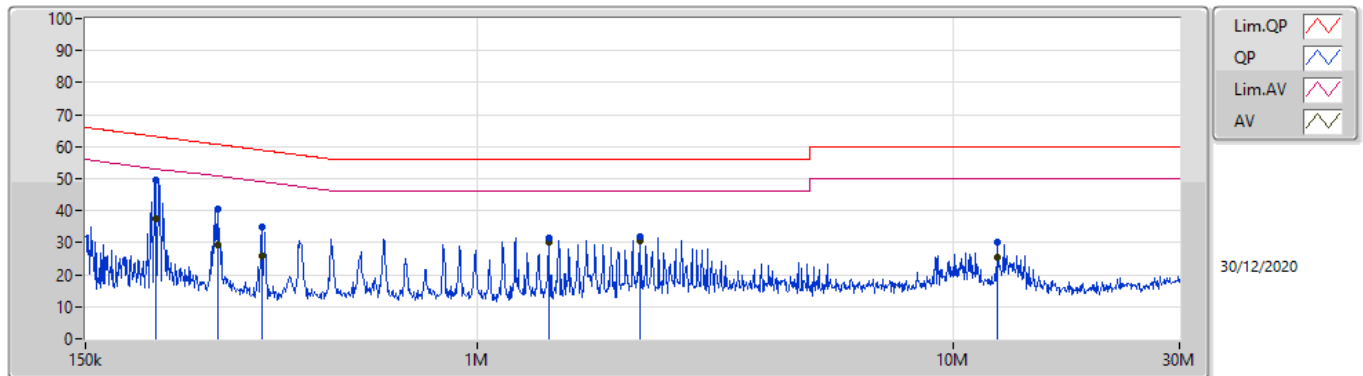


Conducted Emissions at Powerline

Appendix A

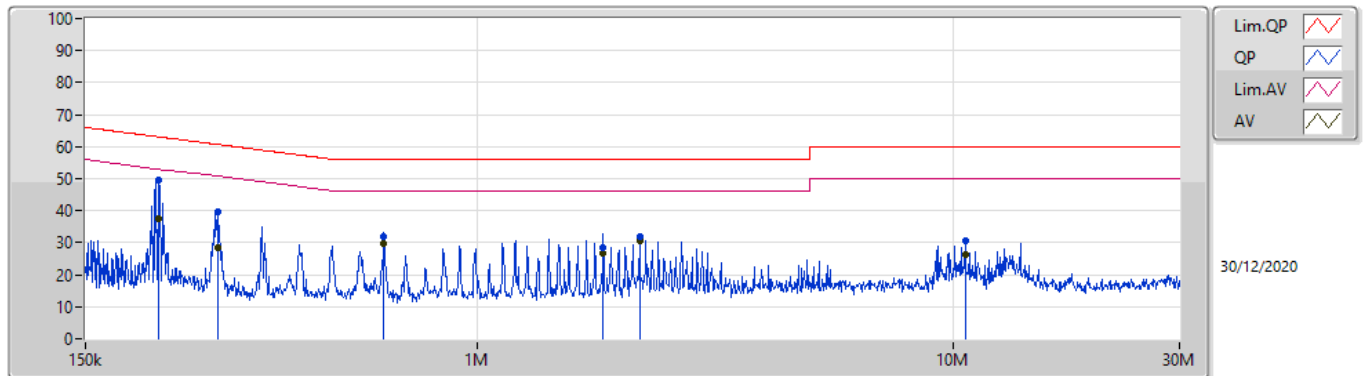
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 2	Pass	AV	1.699M	28.38	46.00	-17.62	Neutral	-
Mode 2	Pass	QP	2.689M	27.38	56.00	-28.62	Neutral	-
Mode 2	Pass	AV	2.689M	24.88	46.00	-21.12	Neutral	-
Mode 2	Pass	QP	13.382M	28.12	60.00	-31.88	Neutral	-
Mode 2	Pass	AV	13.382M	22.84	50.00	-27.16	Neutral	-

Conducted Emissions at Powerline_Mode 1



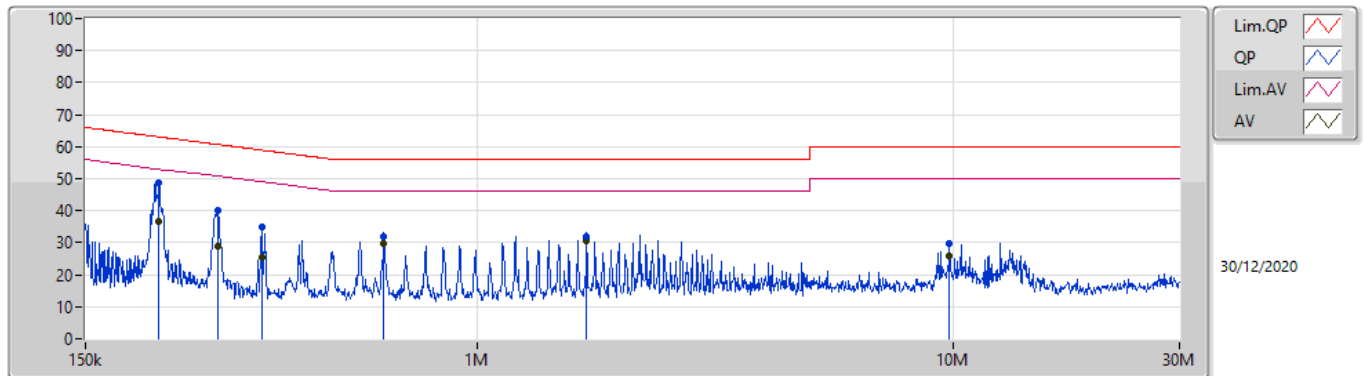
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	211.442k	49.51	63.15	-13.64	19.59	Line	"Worst"	29.92	9.68	0.01	9.90			
AV	211.442k	37.51	53.15	-15.64	19.59	Line	-	17.92	9.68	0.01	9.90			
QP	284.109k	40.53	60.70	-20.17	19.59	Line	-	20.94	9.67	0.02	9.90			
AV	284.109k	29.46	50.70	-21.24	19.59	Line	-	9.87	9.67	0.02	9.90			
QP	353.867k	34.80	58.87	-24.07	19.59	Line	-	15.21	9.67	0.02	9.90			
AV	353.867k	25.68	48.87	-23.19	19.59	Line	-	6.09	9.67	0.02	9.90			
QP	1.414M	31.47	56.00	-24.53	19.53	Line	-	11.94	9.67	0.06	9.80			
AV	1.414M	30.33	46.00	-15.67	19.53	Line	-	10.80	9.67	0.06	9.80			
QP	2.194M	31.98	56.00	-24.02	19.58	Line	-	12.40	9.68	0.09	9.81			
AV	2.194M	30.43	46.00	-15.57	19.58	Line	-	10.85	9.68	0.09	9.81			
QP	12.454M	30.28	60.00	-29.72	19.83	Line	-	10.45	9.70	0.23	9.90			
AV	12.454M	25.62	50.00	-24.38	19.83	Line	-	5.79	9.70	0.23	9.90			

Conducted Emissions at Powerline_Mode 1



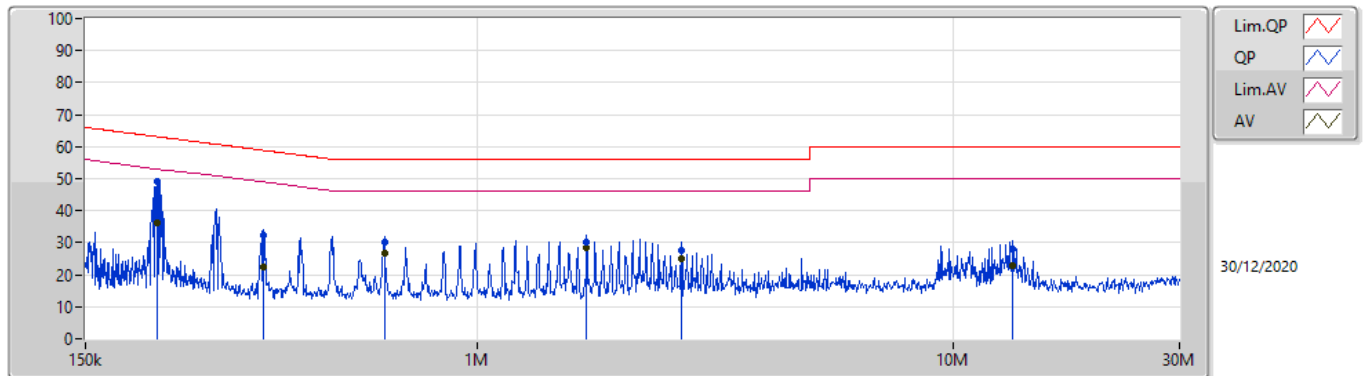
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	213.137k	49.41	63.07	-13.66	19.59	Neutral	"Worst"	29.82	9.68	0.01	9.90			
AV	213.137k	37.30	53.07	-15.77	19.59	Neutral	-	17.71	9.68	0.01	9.90			
QP	284.109k	39.76	60.70	-20.94	19.59	Neutral	-	20.17	9.67	0.02	9.90			
AV	284.109k	28.47	50.70	-22.23	19.59	Neutral	-	8.88	9.67	0.02	9.90			
QP	636.349k	31.85	56.00	-24.15	19.56	Neutral	-	12.29	9.67	0.04	9.85			
AV	636.349k	29.56	46.00	-16.44	19.56	Neutral	-	10.00	9.67	0.04	9.85			
QP	1.84M	28.62	56.00	-27.38	19.56	Neutral	-	9.06	9.68	0.08	9.80			
AV	1.84M	26.59	46.00	-19.41	19.56	Neutral	-	7.03	9.68	0.08	9.80			
QP	2.194M	32.10	56.00	-23.90	19.58	Neutral	-	12.52	9.68	0.09	9.81			
AV	2.194M	30.56	46.00	-15.44	19.58	Neutral	-	10.98	9.68	0.09	9.81			
QP	10.616M	30.40	60.00	-29.60	19.85	Neutral	-	10.55	9.73	0.22	9.90			
AV	10.616M	26.46	50.00	-23.54	19.85	Neutral	-	6.61	9.73	0.22	9.90			

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	213.989k	48.84	63.06	-14.22	19.59	Line	"Worst"	29.25	9.68	0.01	9.90			
AV	213.989k	36.66	53.06	-16.40	19.59	Line	-	17.07	9.68	0.01	9.90			
QP	284.109k	39.99	60.70	-20.71	19.59	Line	-	20.40	9.67	0.02	9.90			
AV	284.109k	29.01	50.70	-21.69	19.59	Line	-	9.42	9.67	0.02	9.90			
QP	353.867k	35.02	58.87	-23.85	19.59	Line	-	15.43	9.67	0.02	9.90			
AV	353.867k	25.57	48.87	-23.30	19.59	Line	-	5.98	9.67	0.02	9.90			
QP	636.349k	32.05	56.00	-23.95	19.56	Line	-	12.49	9.67	0.04	9.85			
AV	636.349k	29.72	46.00	-16.28	19.56	Line	-	10.16	9.67	0.04	9.85			
QP	1.699M	31.85	56.00	-24.15	19.55	Line	-	12.30	9.68	0.07	9.80			
AV	1.699M	30.80	46.00	-15.20	19.55	Line	-	11.25	9.68	0.07	9.80			
QP	9.841M	29.76	60.00	-30.24	19.83	Line	-	9.93	9.72	0.21	9.90			
AV	9.841M	25.88	50.00	-24.12	19.83	Line	-	6.05	9.72	0.21	9.90			

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	212.287k	49.08	63.11	-14.03	19.59	Neutral	"Worst"	29.49	9.68	0.01	9.90			
AV	212.287k	36.40	53.11	-16.71	19.59	Neutral	-	16.81	9.68	0.01	9.90			
QP	355.282k	32.32	58.83	-26.51	19.59	Neutral	-	12.73	9.67	0.02	9.90			
AV	355.282k	22.52	48.83	-26.31	19.59	Neutral	-	2.93	9.67	0.02	9.90			
QP	638.894k	30.33	56.00	-25.67	19.56	Neutral	-	10.77	9.67	0.04	9.85			
AV	638.894k	26.83	46.00	-19.17	19.56	Neutral	-	7.27	9.67	0.04	9.85			
QP	1.699M	30.38	56.00	-25.62	19.55	Neutral	-	10.83	9.68	0.07	9.80			
AV	1.699M	28.38	46.00	-17.62	19.55	Neutral	-	8.83	9.68	0.07	9.80			
QP	2.689M	27.38	56.00	-28.62	19.62	Neutral	-	7.76	9.68	0.10	9.84			
AV	2.689M	24.88	46.00	-21.12	19.62	Neutral	-	5.26	9.68	0.10	9.84			
QP	13.382M	28.12	60.00	-31.88	19.88	Neutral	-	8.24	9.74	0.24	9.90			
AV	13.382M	22.84	50.00	-27.16	19.88	Neutral	-	2.96	9.74	0.24	9.90			

**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-BR(1Mbps)	920k	850.825k	851KF1D	880k	848.326k
BT-EDR(2Mbps)	1.324M	1.191M	1M19G1D	1.319M	1.187M
BT-EDR(3Mbps)	1.295M	1.201M	1M20G1D	1.293M	1.192M

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

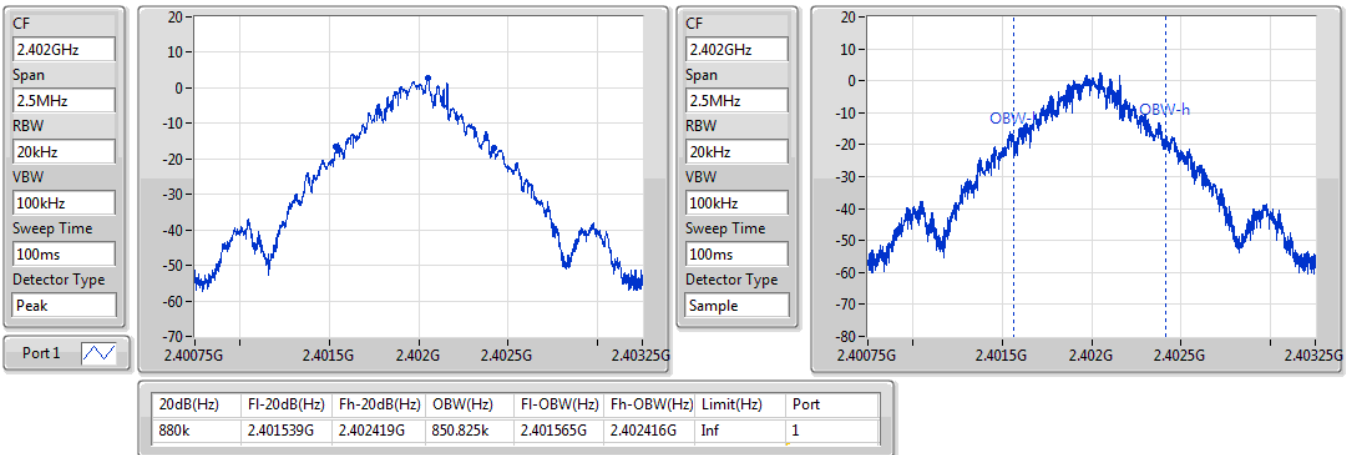
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	880k	850.825k
2440MHz	Pass	Inf	920k	848.326k
2480MHz	Pass	Inf	917.5k	850.825k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.321M	1.187M
2440MHz	Pass	Inf	1.319M	1.191M
2480MHz	Pass	Inf	1.324M	1.189M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.293M	1.192M
2440MHz	Pass	Inf	1.295M	1.194M
2480MHz	Pass	Inf	1.293M	1.201M

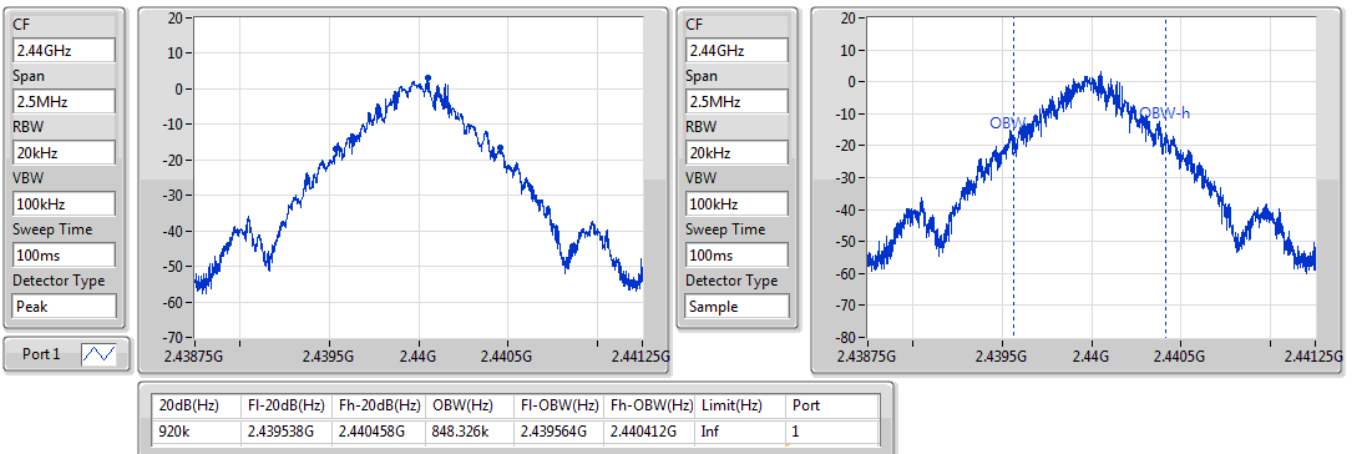
Port X-N dB = Port X 20dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

BT-BR(1Mbps)
2402MHz
EBW-FS

29/12/2020

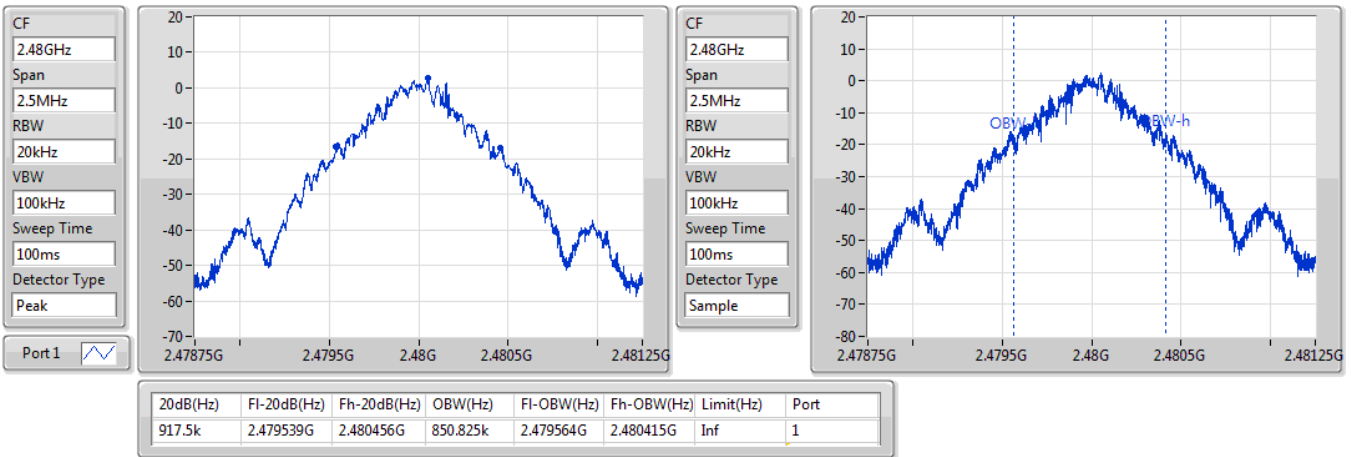

BT-BR(1Mbps)
2440MHz
EBW-FS

29/12/2020

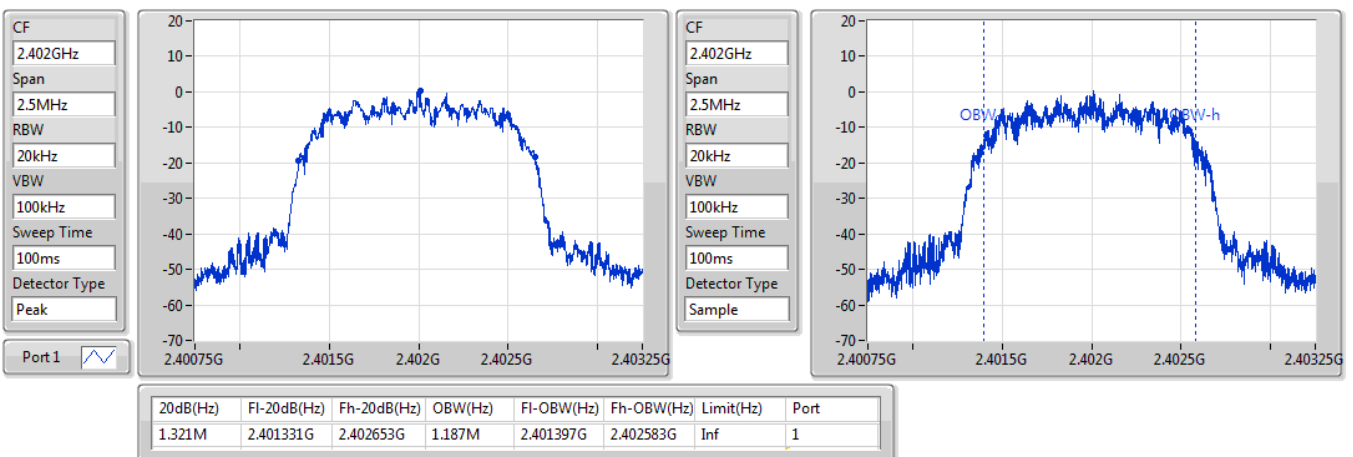


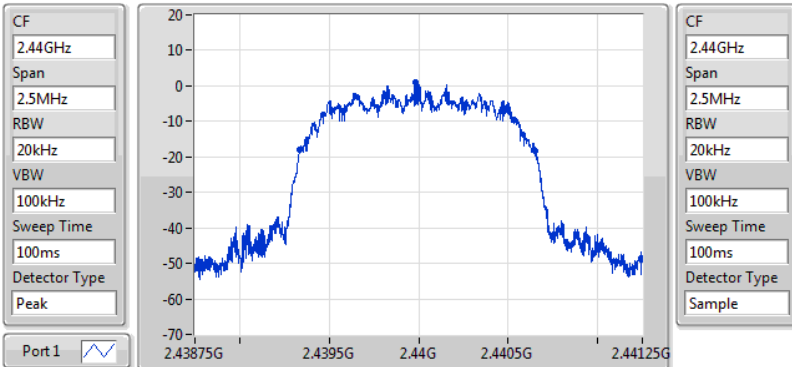
BT-BR(1Mbps)
EBW-FS
2480MHz

29/12/2020

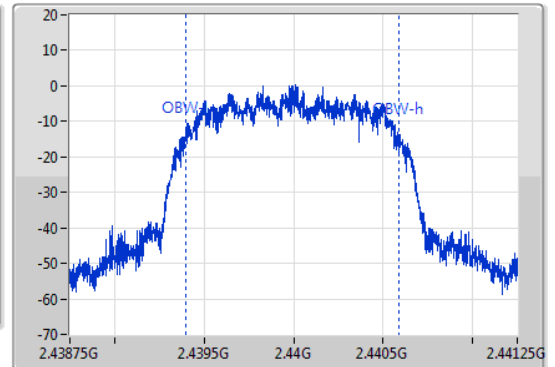
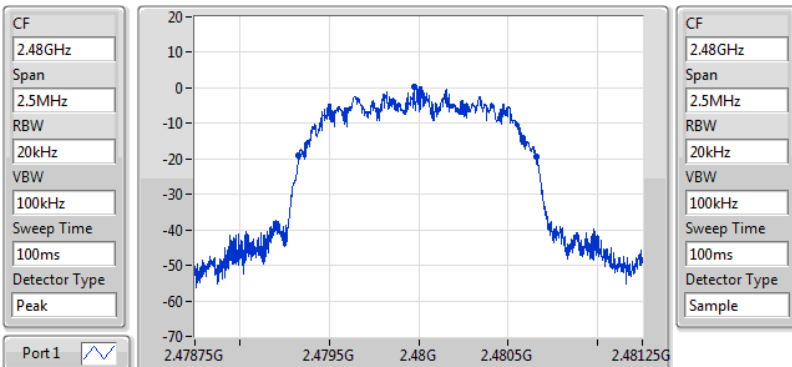

BT-EDR(2Mbps)
EBW-FS
2402MHz

29/12/2020

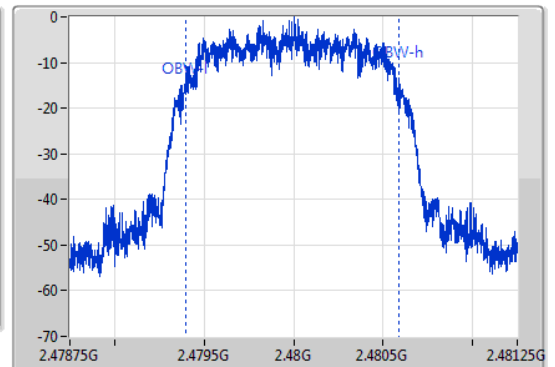


BT-EDR(2Mbps)
2440MHz

EBW-FS

29/12/2020

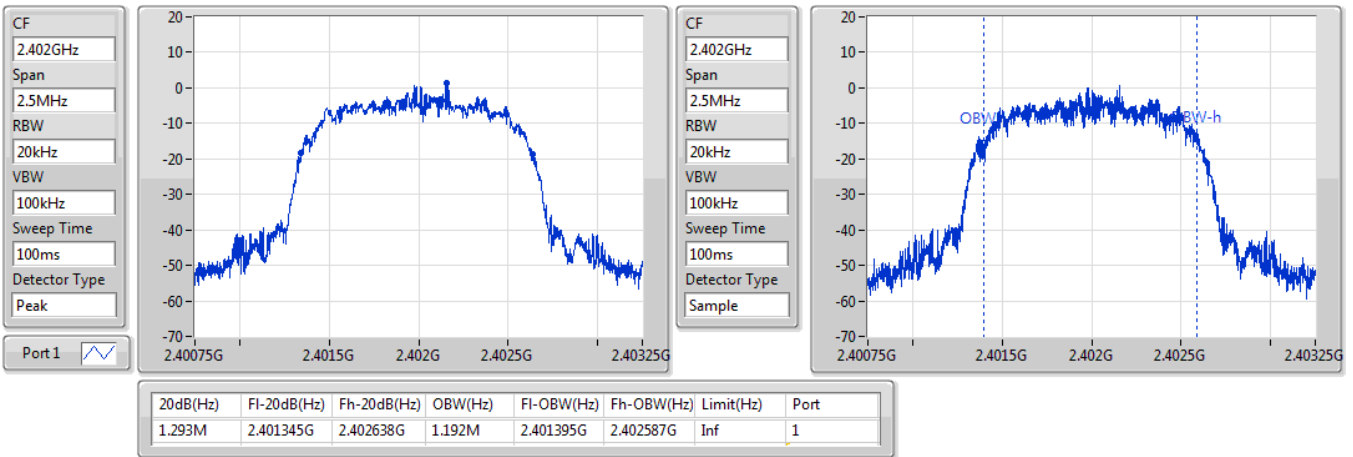

BT-EDR(2Mbps)
2480MHz

EBW-FS

29/12/2020

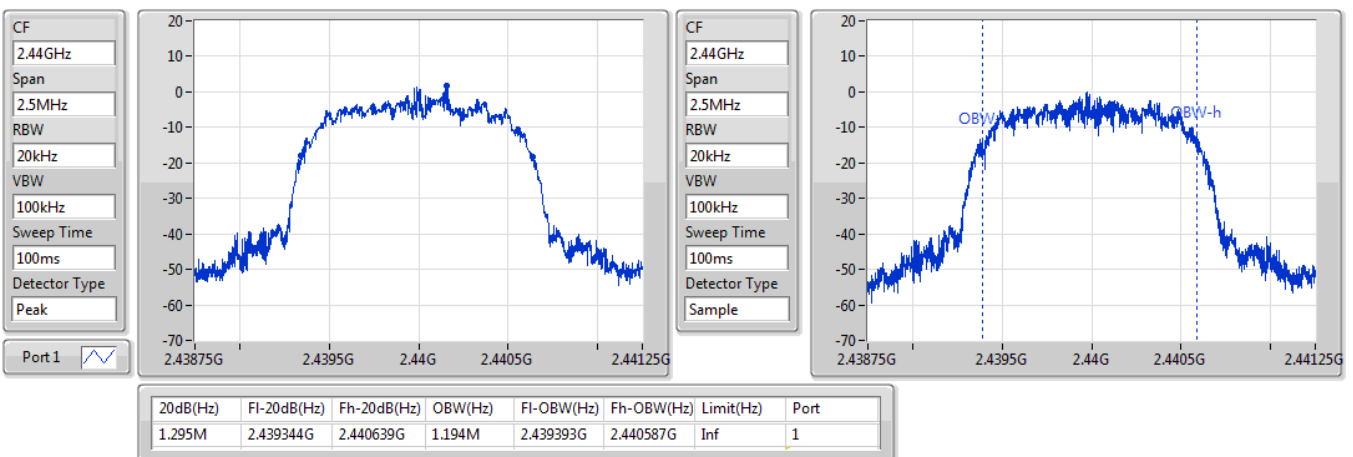


BT-EDR(3Mbps)
EBW-FS
2402MHz

29/12/2020

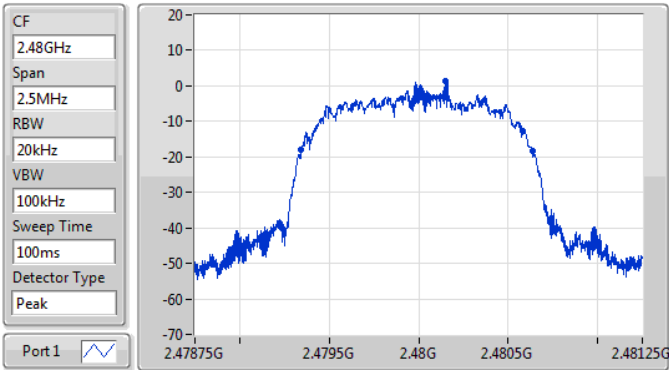

BT-EDR(3Mbps)
EBW-FS
2440MHz

29/12/2020



BT-EDR(3Mbps)

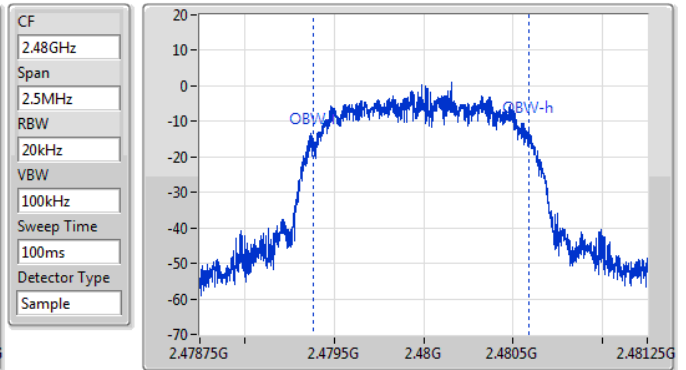
2480MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.293M	2.479345G	2.480638G	1.201M	2.479387G	2.480587G	Inf	1

EBW-FS

29/12/2020





Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	1.0035M	999k
BT-EDR(2Mbps)	1.0065M	997.5k
BT-EDR(3Mbps)	1.002M	993k

Result

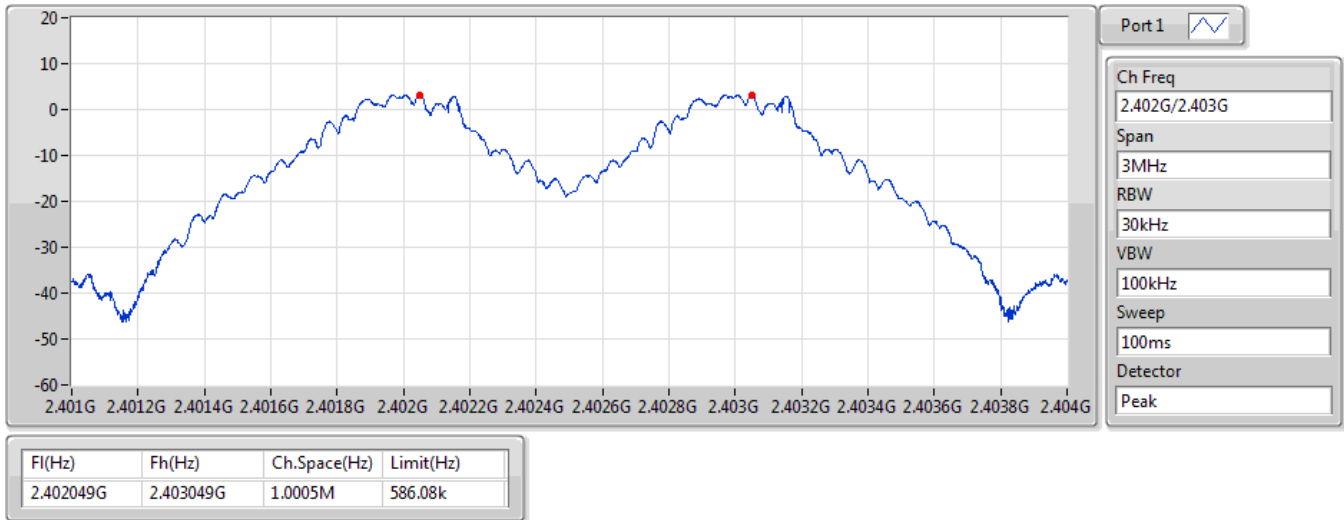
Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.402049G	2.403049G	1.0005M	586.08k
2440MHz	Pass	2.44005G	2.441049G	999k	612.72k
2480MHz	Pass	2.479047G	2.480051G	1.0035M	611.055k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.402007G	2.403013G	1.0065M	879.786k
2440MHz	Pass	2.44001G	2.441007G	997.5k	878.454k
2480MHz	Pass	2.479008G	2.48001G	1.002M	881.784k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.40201G	2.403003G	993k	861.138k
2440MHz	Pass	2.440005G	2.441007G	1.002M	862.47k
2480MHz	Pass	2.479005G	2.480007G	1.002M	861.138k

BT-BR(1Mbps)

2.402G/2.403GHz

Channel Separation-FS

29/12/2020

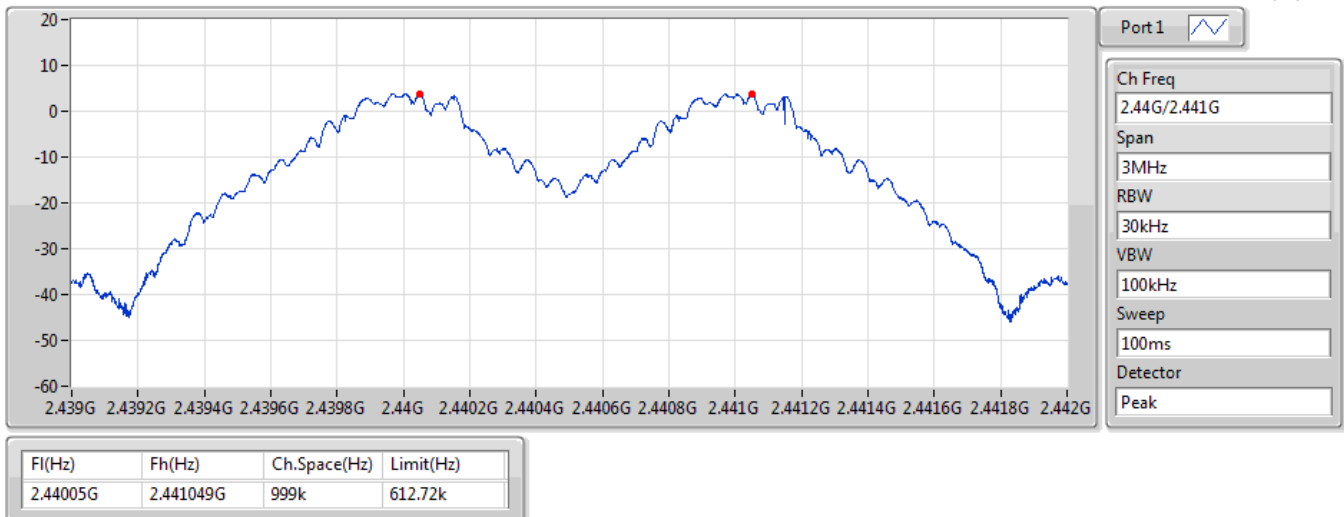


BT-BR(1Mbps)

2.44G/2.441GHz

Channel Separation-FS

29/12/2020

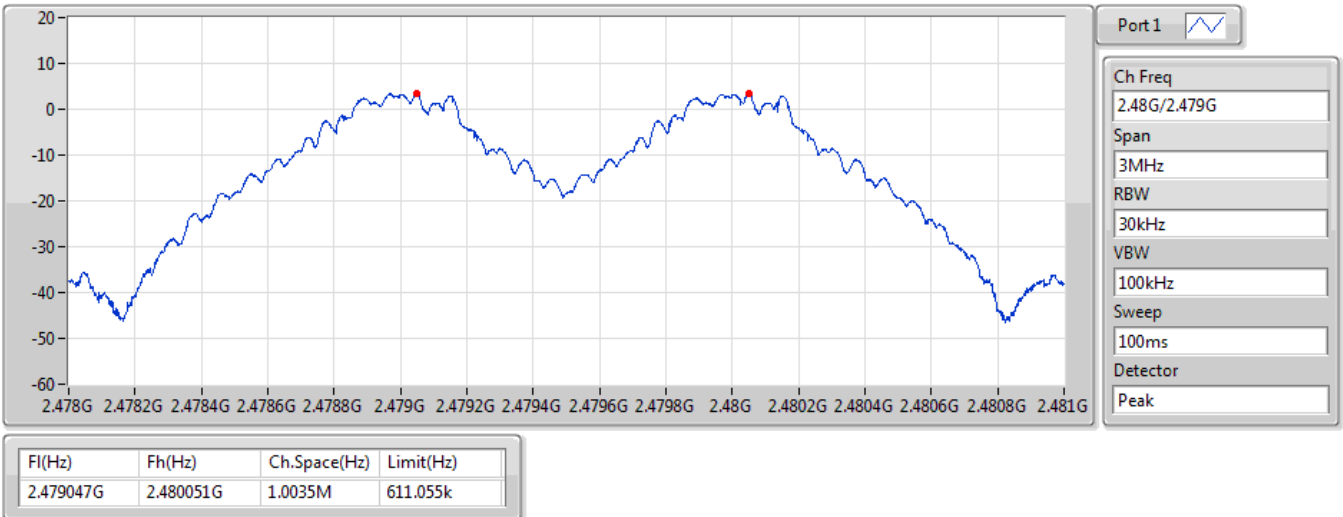


BT-BR(1Mbps)

2.48G/2.479GHz

Channel Separation-FS

29/12/2020

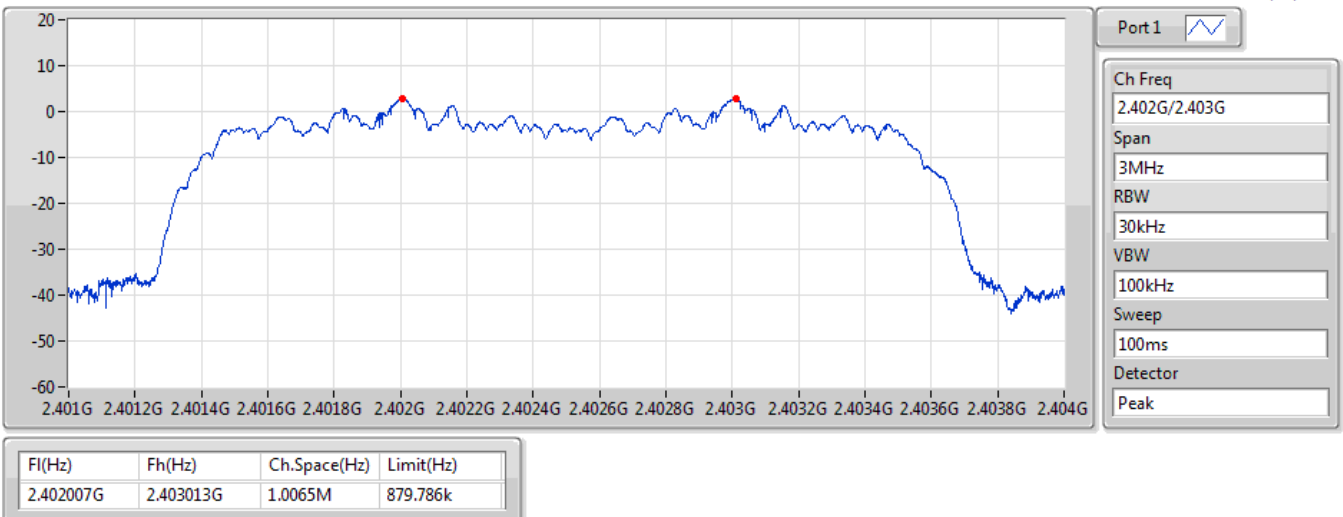


BT-EDR(2Mbps)

2.402G/2.403GHz

Channel Separation-FS

29/12/2020

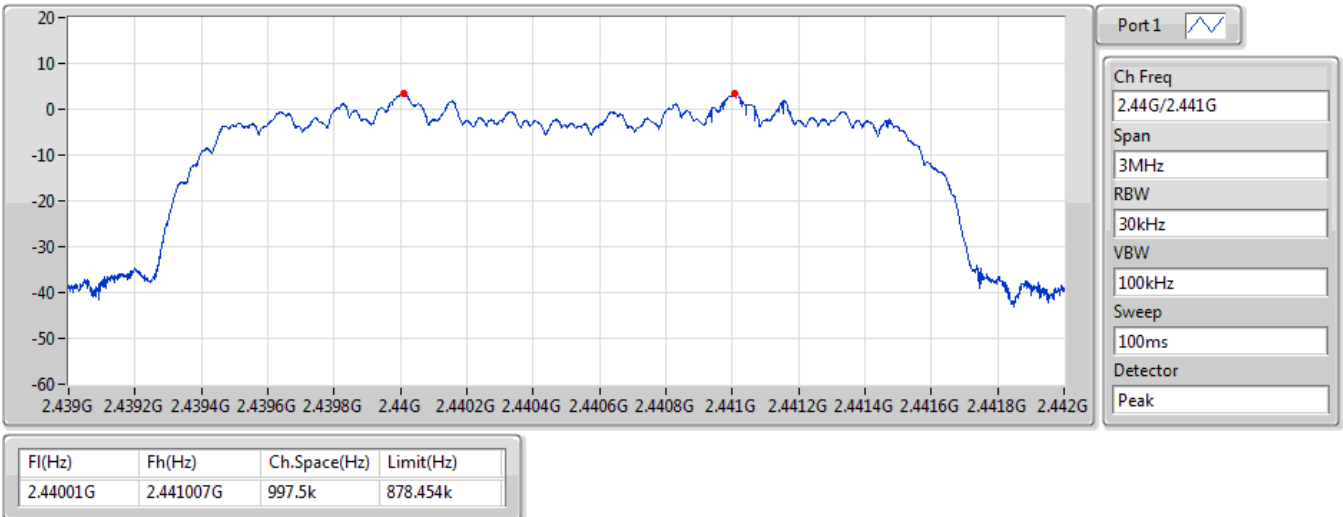


BT-EDR(2Mbps)

2.44G/2.441GHz

Channel Separation-FS

29/12/2020

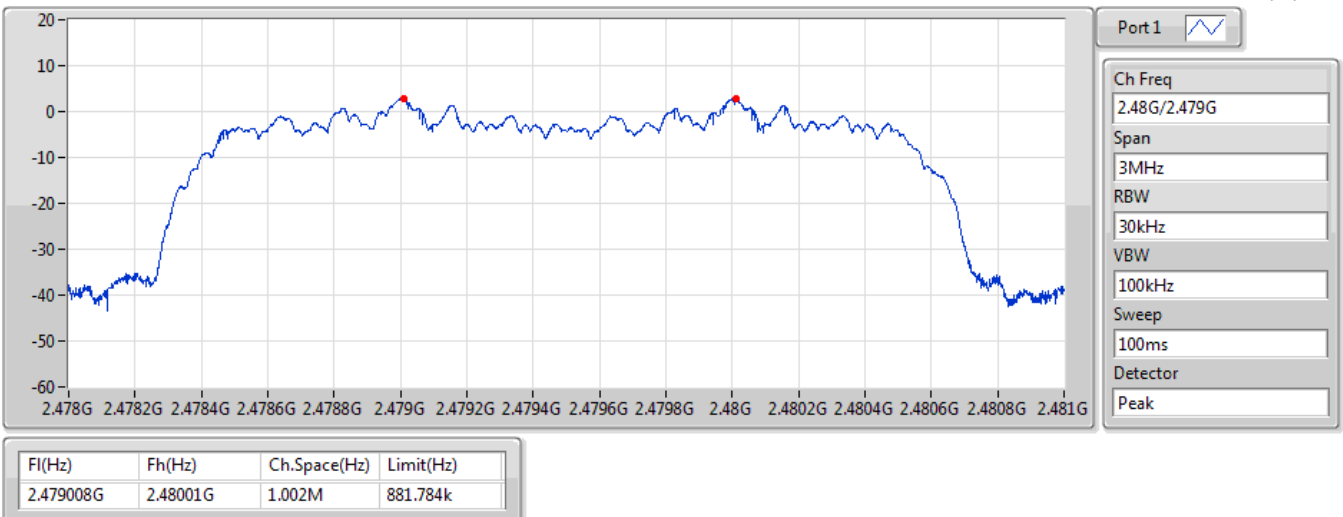


BT-EDR(2Mbps)

2.48G/2.479GHz

Channel Separation-FS

29/12/2020

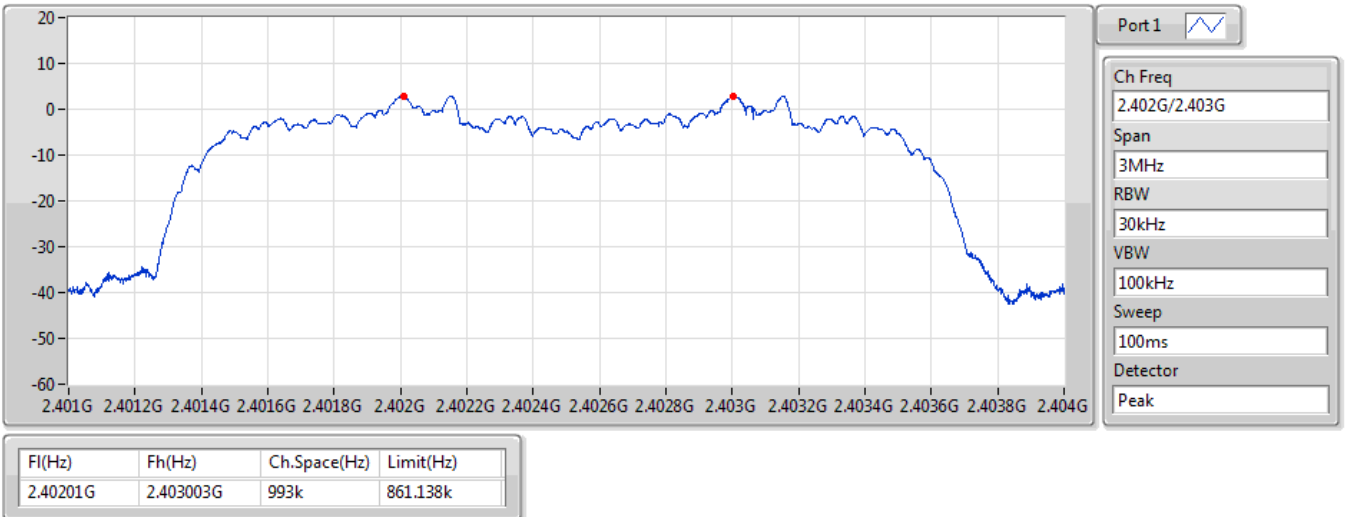


BT-EDR(3Mbps)

2.402G/2.403GHz

Channel Separation-FS

29/12/2020

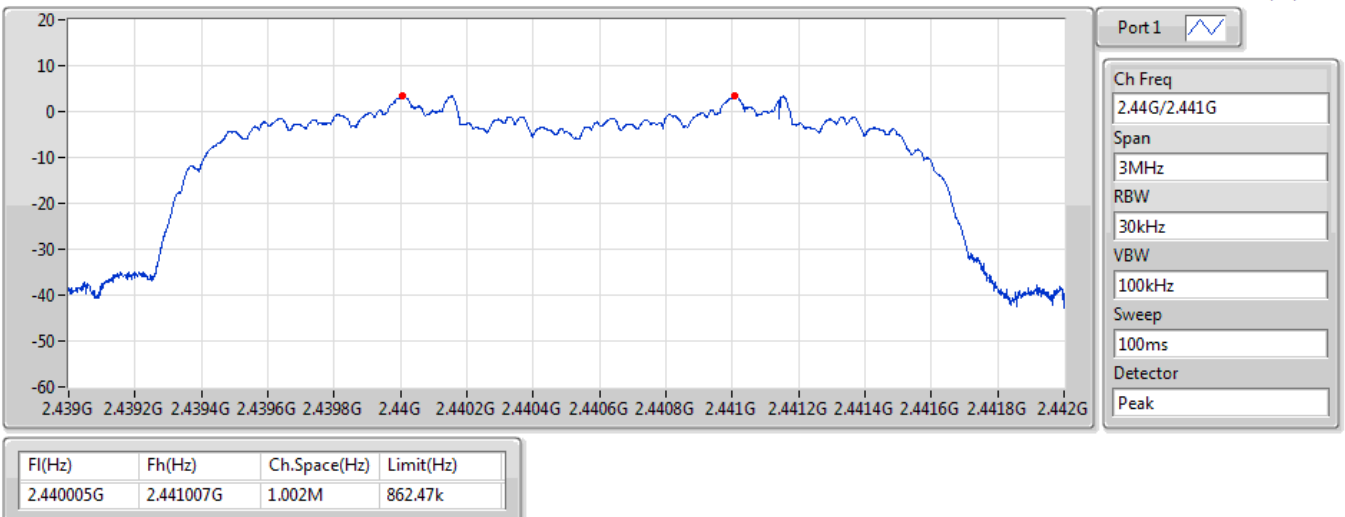


BT-EDR(3Mbps)

2.44G/2.441GHz

Channel Separation-FS

29/12/2020

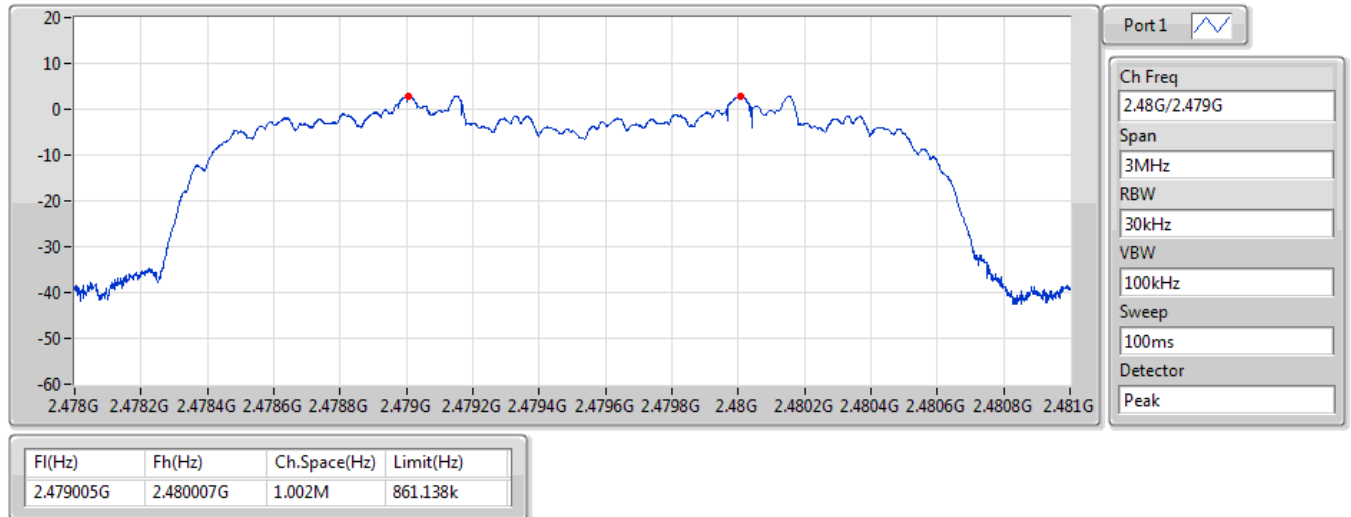


BT-EDR(3Mbps)

2.48G/2.479GHz

Channel Separation-FS

29/12/2020





Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	6.96	0.00497
BT-EDR(2Mbps)	9.47	0.00885
BT-EDR(3Mbps)	9.77	0.00948



Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	2.50	6.61	21.00
2440MHz	Pass	2.50	6.96	21.00
2480MHz	Pass	2.50	6.68	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	2.50	9.04	21.00
2440MHz	Pass	2.50	9.47	21.00
2480MHz	Pass	2.50	9.19	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	2.50	9.40	21.00
2440MHz	Pass	2.50	9.77	21.00
2480MHz	Pass	2.50	9.46	21.00

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



Average Power-FHSS

Appendix C.2

Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	6.56	0.00453
BT-EDR(2Mbps)	6.44	0.00441
BT-EDR(3Mbps)	6.52	0.00449



Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	2.50	6.24	21.00
2440MHz	Pass	2.50	6.56	21.00
2480MHz	Pass	2.50	6.35	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	2.50	6.14	21.00
2440MHz	Pass	2.50	6.44	21.00
2480MHz	Pass	2.50	6.32	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	2.50	6.16	21.00
2440MHz	Pass	2.50	6.52	21.00
2480MHz	Pass	2.50	6.28	21.00

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



Summary

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

Result

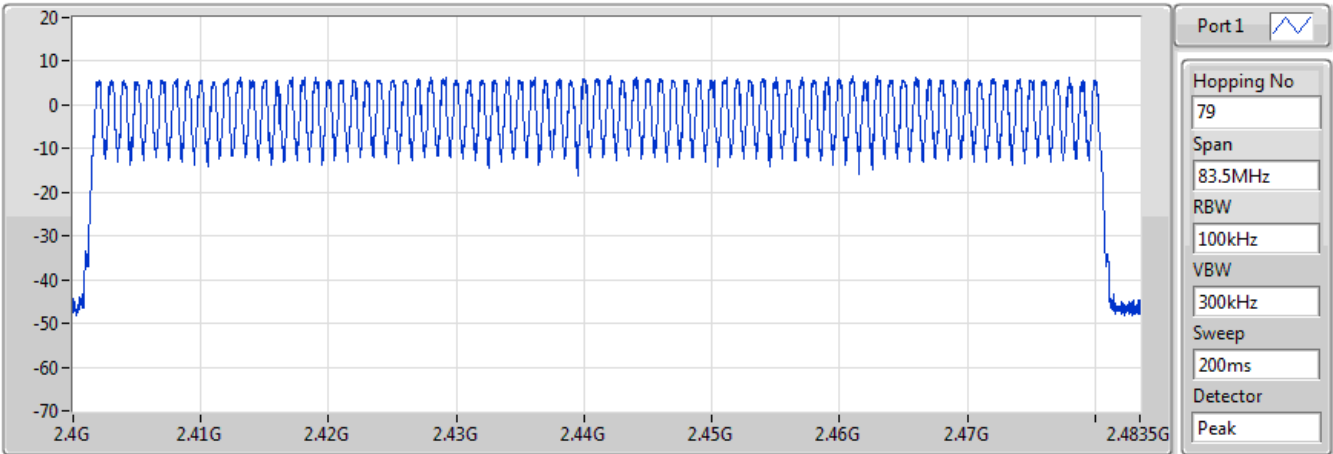
Mode	Result	Hopping No	Limit
BT-BR(1Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(2Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(3Mbps)	-	-	-
2440MHz	Pass	79	15

BT-BR(1Mbps)

2440MHz

Hopping-FS

29/12/2020



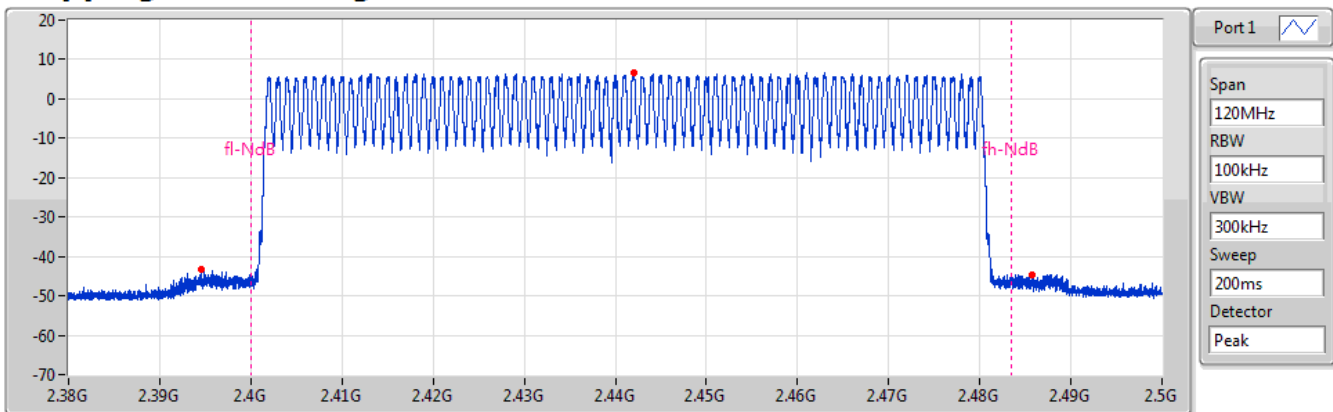
Hopping No	Limit
79	15

BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

29/12/2020



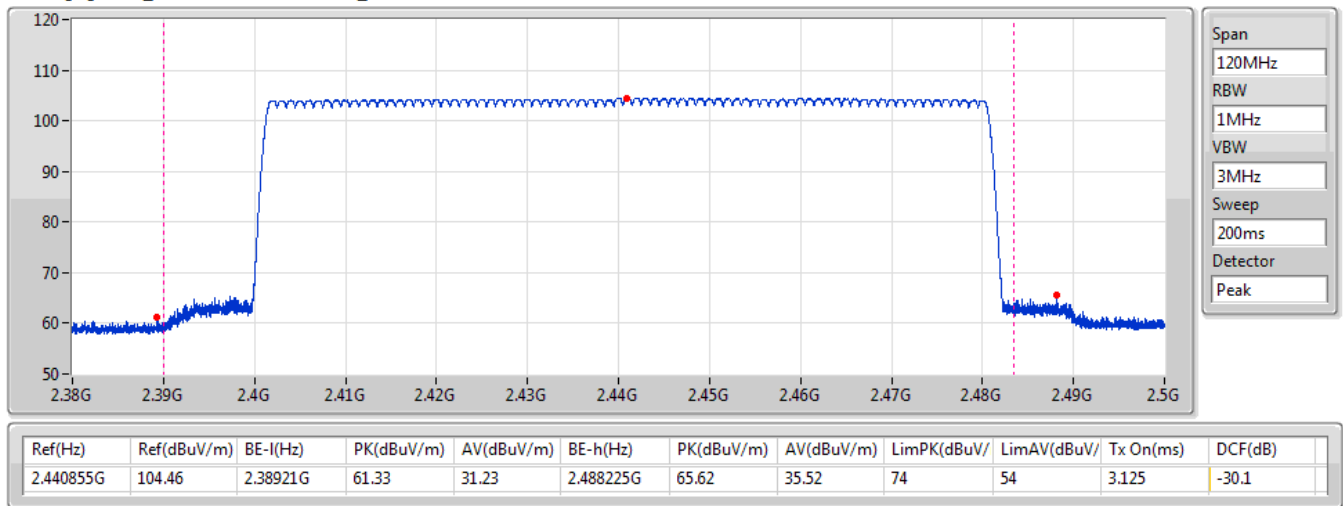
Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-13.49	2.441995G	6.51	2.39455G	-43.16	2.48575G	-44.52

BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

29/12/2020

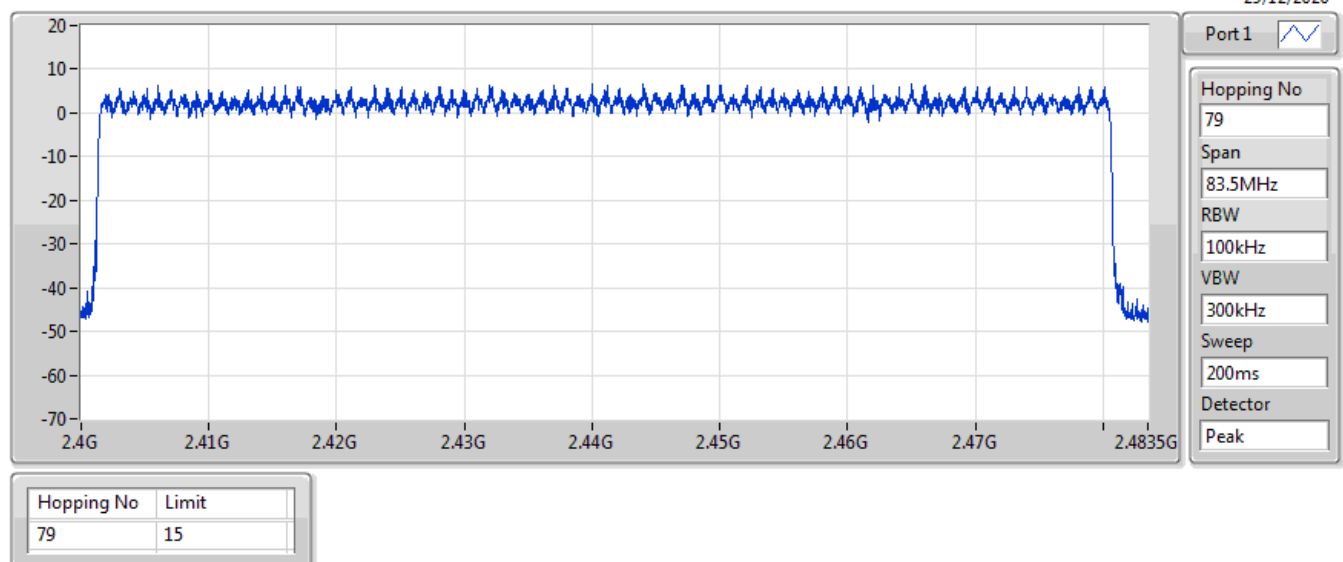


BT-EDR(2Mbps)

2440MHz

Hopping-FS

29/12/2020

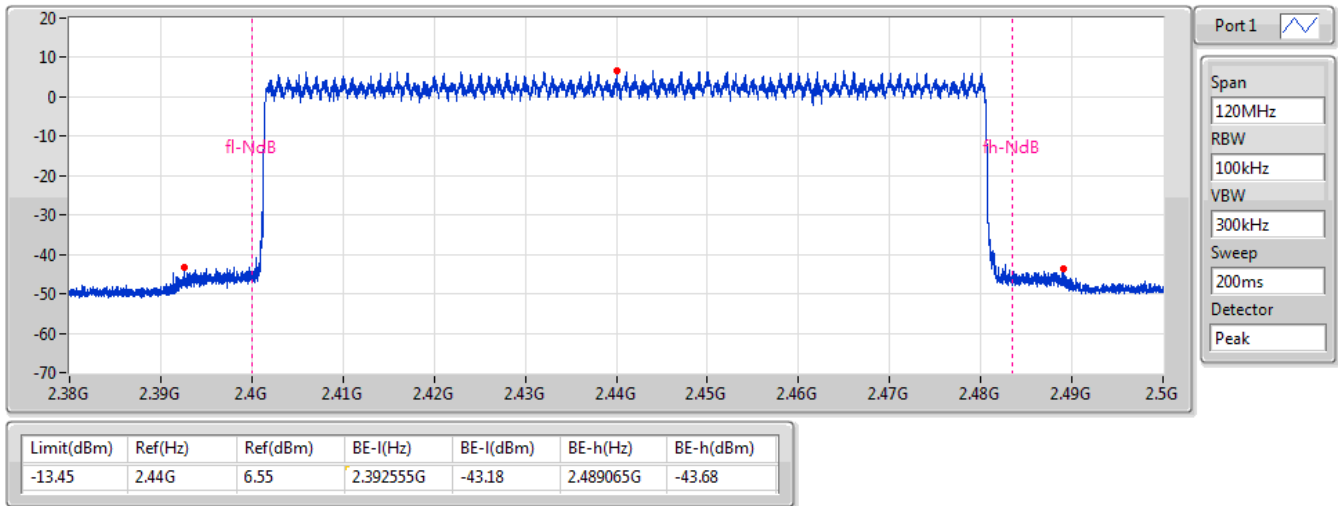


BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

29/12/2020

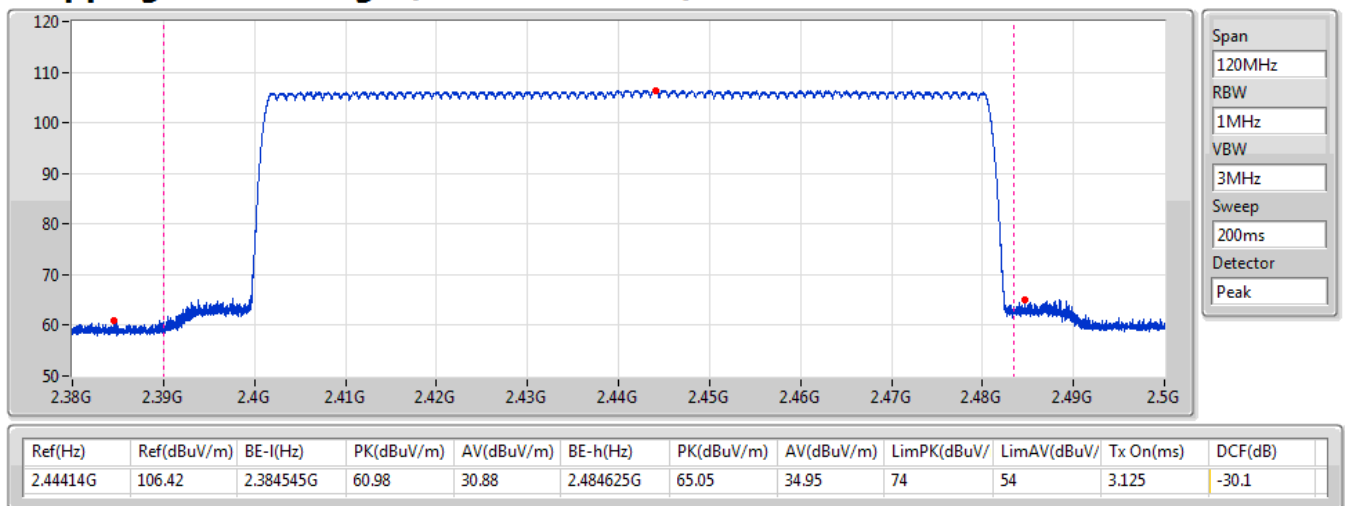


BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

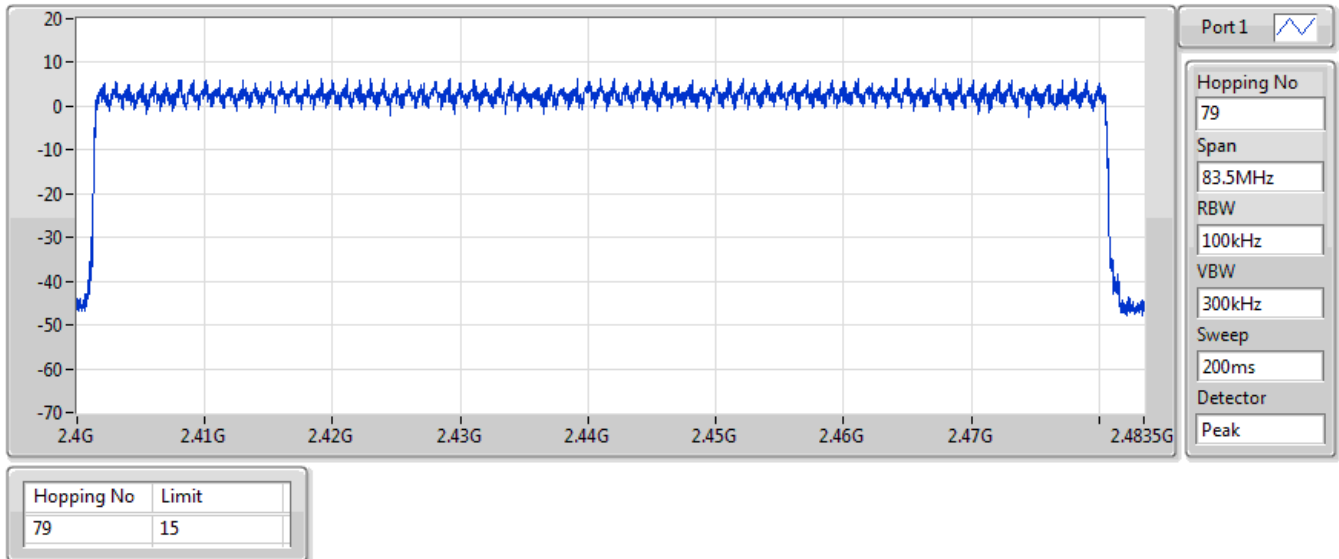
29/12/2020



BT-EDR(3Mbps) 2440MHz

Hopping-FS

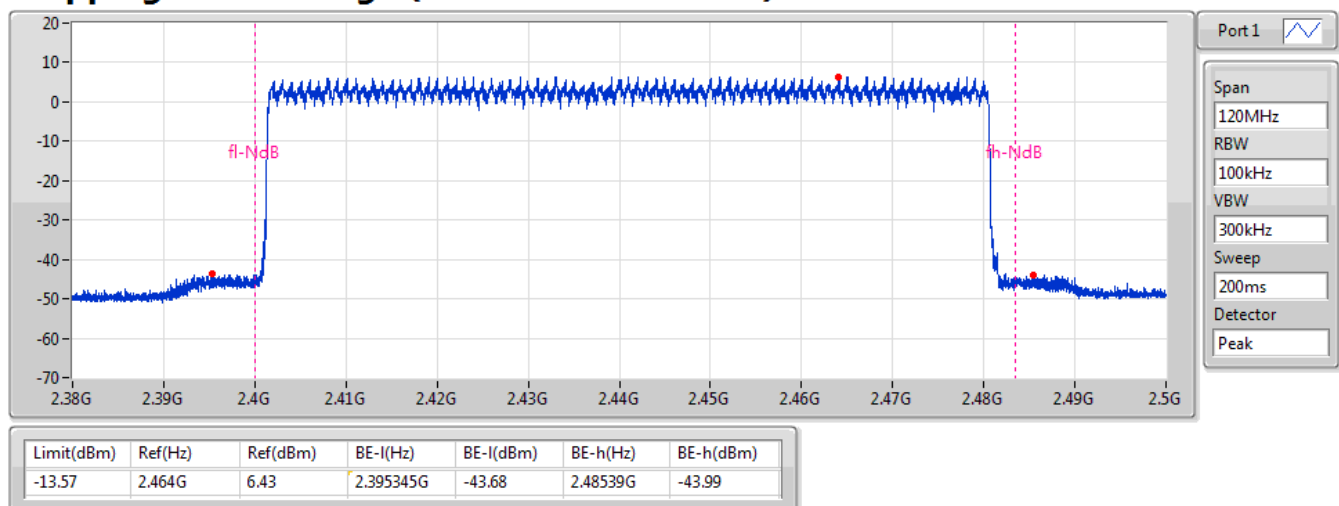
29/12/2020



BT-EDR(3Mbps) 2440MHz

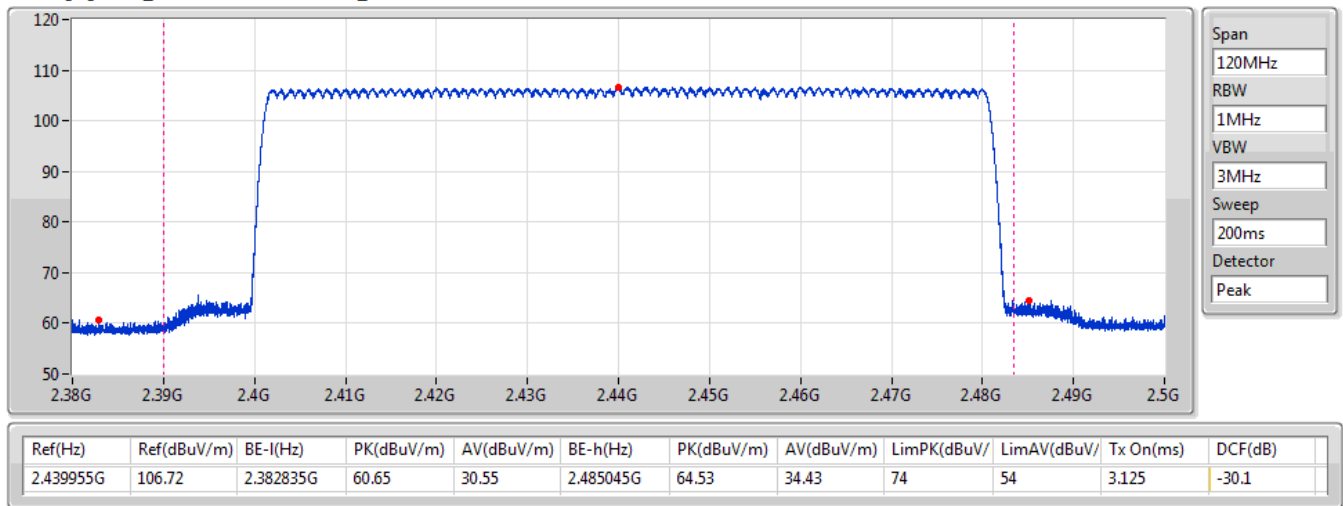
Hopping Ch Bandedge (Non-restricted Band)

29/12/2020



BT-EDR(3Mbps)**2440MHz****Hopping Ch Bandedge (Restricted Band)**

29/12/2020





Summary

Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	307.6476m_DH5
BT-EDR(2Mbps)	308.607m_DH5
BT-EDR(3Mbps)	309.06005m_DH5

Result

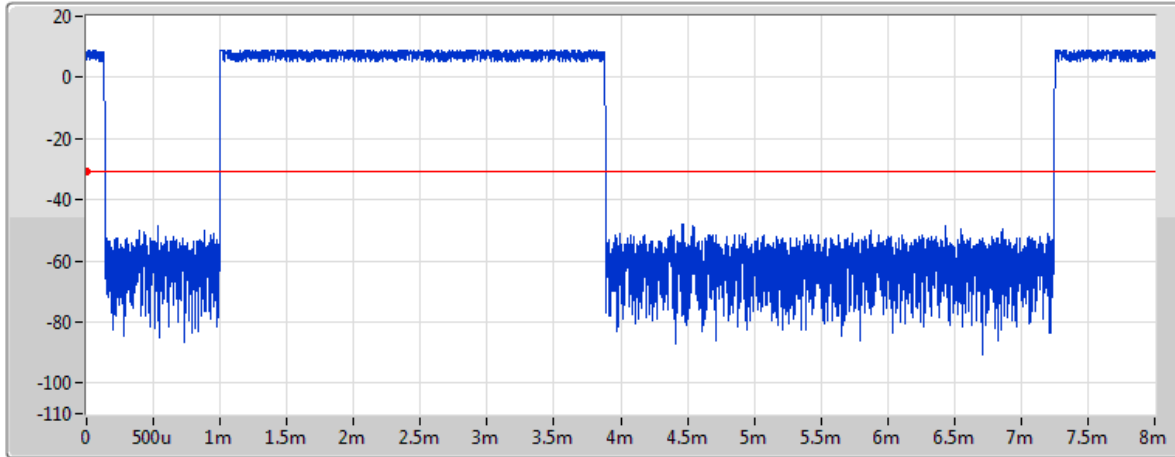
Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	307.6476m_DH5	400m	2.886m
BT-EDR(2Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	308.607m_DH5	400m	2.895m
BT-EDR(3Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	309.06005m_DH5	400m	2.89925m

BT-BR(1Mbps)

2440MHz

Dwell-FS

29/12/2020



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.886ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	307.6476m_DH5	400m	2.886m

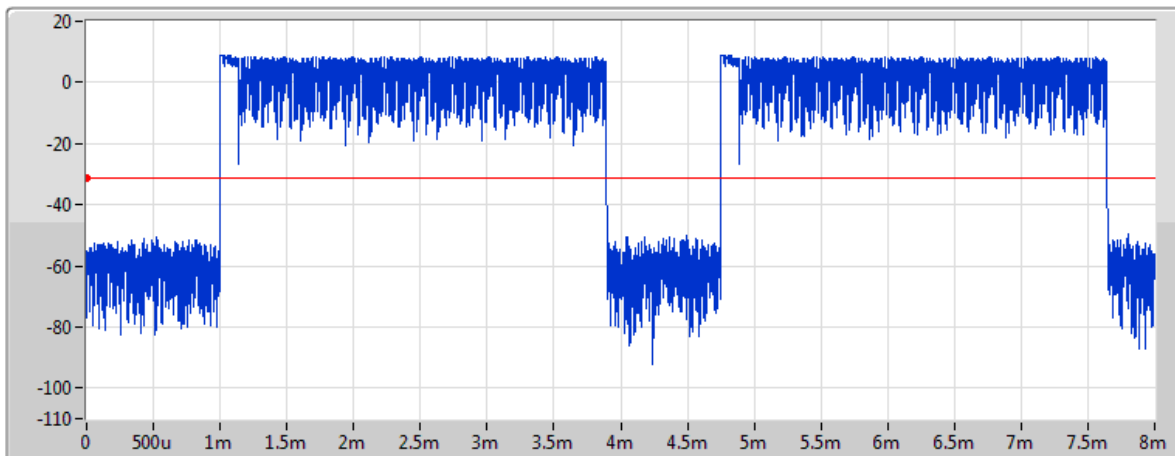
DH5

BT-EDR(2Mbps)

2440MHz

Dwell-FS

29/12/2020



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.895ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.607m_DH5	400m	2.895m

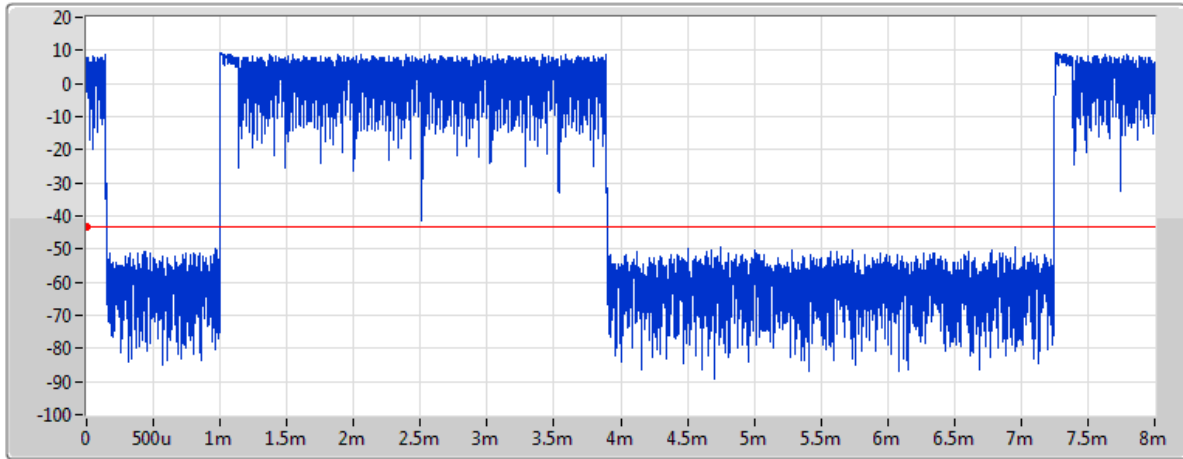
DH5

BT-EDR(3Mbps)

Dwell-FS

2440MHz

29/12/2020



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.89925ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	309.06005m_DH5	400m	2.89925m

DH5



Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.40196G	5.87	-14.13	2.17026G	-54.97	2.39324G	-43.94	2.4G	-47.85	2.49859G	-52.78	23.41118G	-40.96	1
BT-EDR(2Mbps)	Pass	2.40192G	4.76	-15.24	800.8M	-52.43	2.39585G	-44.18	2.4G	-48.09	2.48653G	-51.91	23.414G	-41.03	1
BT-EDR(3Mbps)	Pass	2.48016G	5.78	-14.22	826.65M	-49.28	2.39999G	-52.47	2.4835G	-51.59	2.48868G	-44.98	23.40556G	-41.36	1

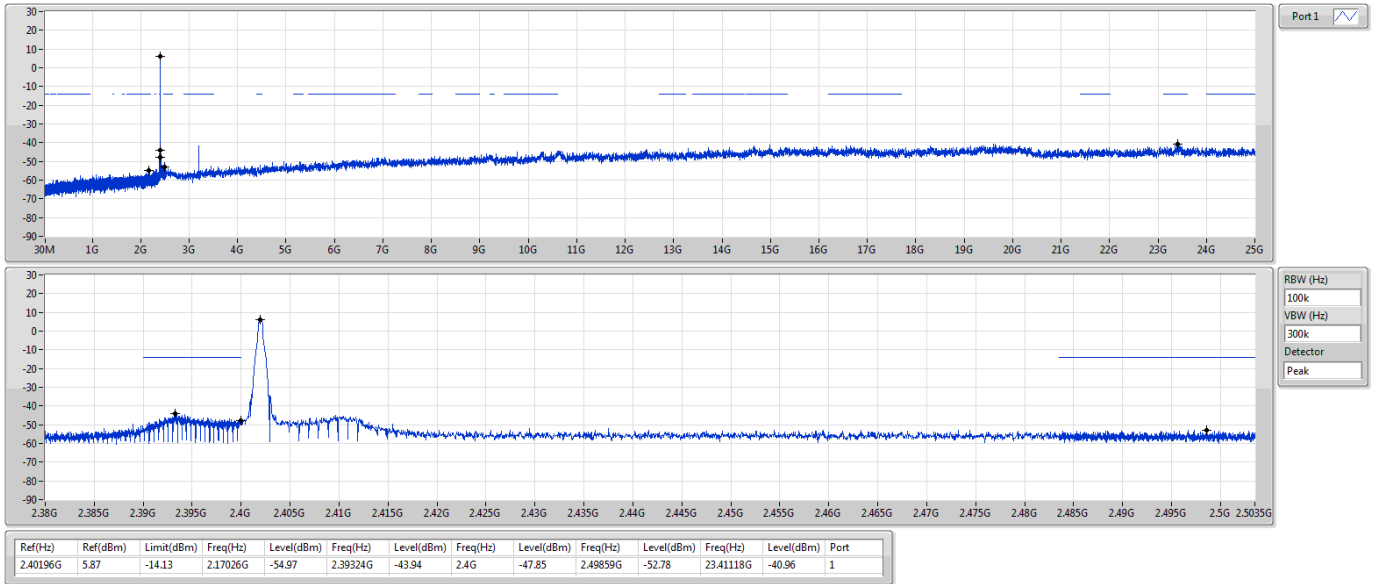
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40196G	5.87	-14.13	2.17026G	-54.97	2.39324G	-43.94	2.4G	-47.85	2.49859G	-52.78	23.41118G	-40.96	1
2440MHz	Pass	2.44G	6.47	-13.53	813.43M	-50.20	2.39753G	-52.76	2.4G	-54.50	2.50169G	-53.25	16.70442G	-40.90	1
2480MHz	Pass	2.48003G	5.57	-14.43	826.65M	-50.61	2.39998G	-53.35	2.4835G	-47.58	2.48837G	-45.24	14.95812G	-41.67	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40192G	4.76	-15.24	800.8M	-52.43	2.39585G	-44.18	2.4G	-48.09	2.48653G	-51.91	23.414G	-41.03	1
2440MHz	Pass	2.44G	6.40	-13.60	812.84M	-51.06	2.4G	-52.05	2.4G	-53.42	2.48391G	-52.54	24.79753G	-41.40	1
2480MHz	Pass	2.47999G	5.92	-14.08	826.36M	-50.42	2.39998G	-52.65	2.4835G	-48.35	2.48879G	-44.46	24.14232G	-41.08	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40213G	6.16	-13.84	800.8M	-54.84	2.39288G	-44.86	2.4G	-47.65	2.48462G	-52.43	3.20089G	-41.41	1
2440MHz	Pass	2.43995G	5.74	-14.26	813.73M	-52.43	2.4G	-52.32	2.4G	-54.91	2.49657G	-52.14	23.46461G	-41.50	1
2480MHz	Pass	2.48016G	5.78	-14.22	826.65M	-49.28	2.39999G	-52.47	2.4835G	-51.59	2.48868G	-44.98	23.40556G	-41.36	1

BT-BR(1Mbps)

CSENdB-FS

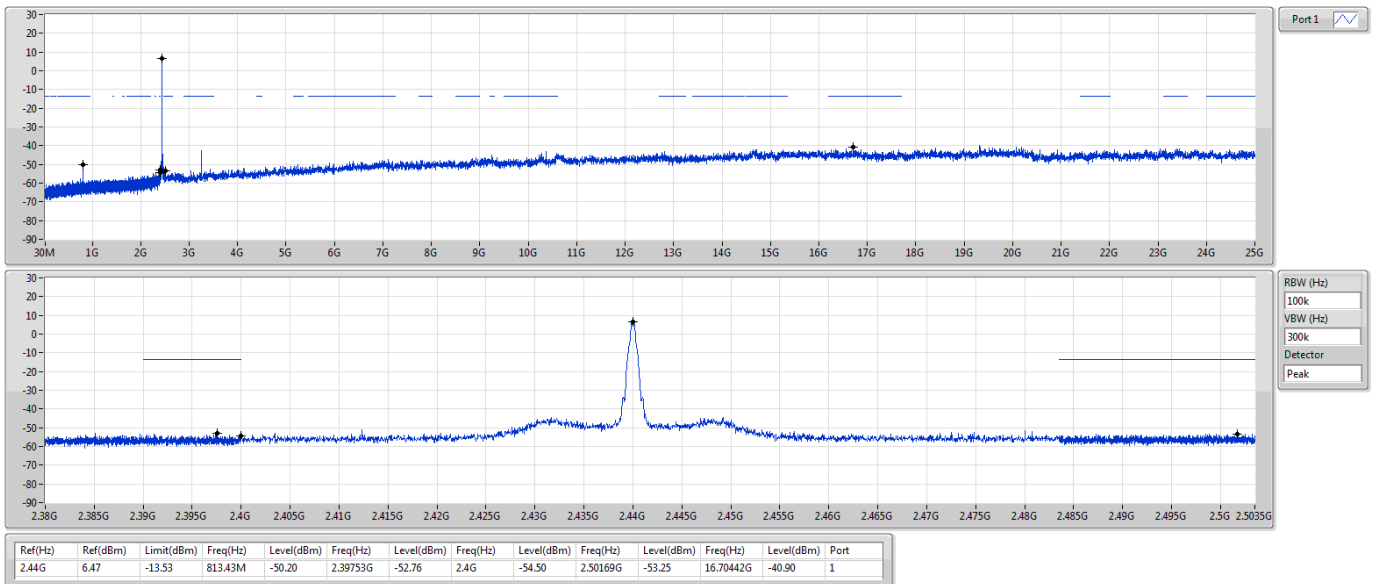
2402MHz



BT-BR(1Mbps)

CSENdB-FS

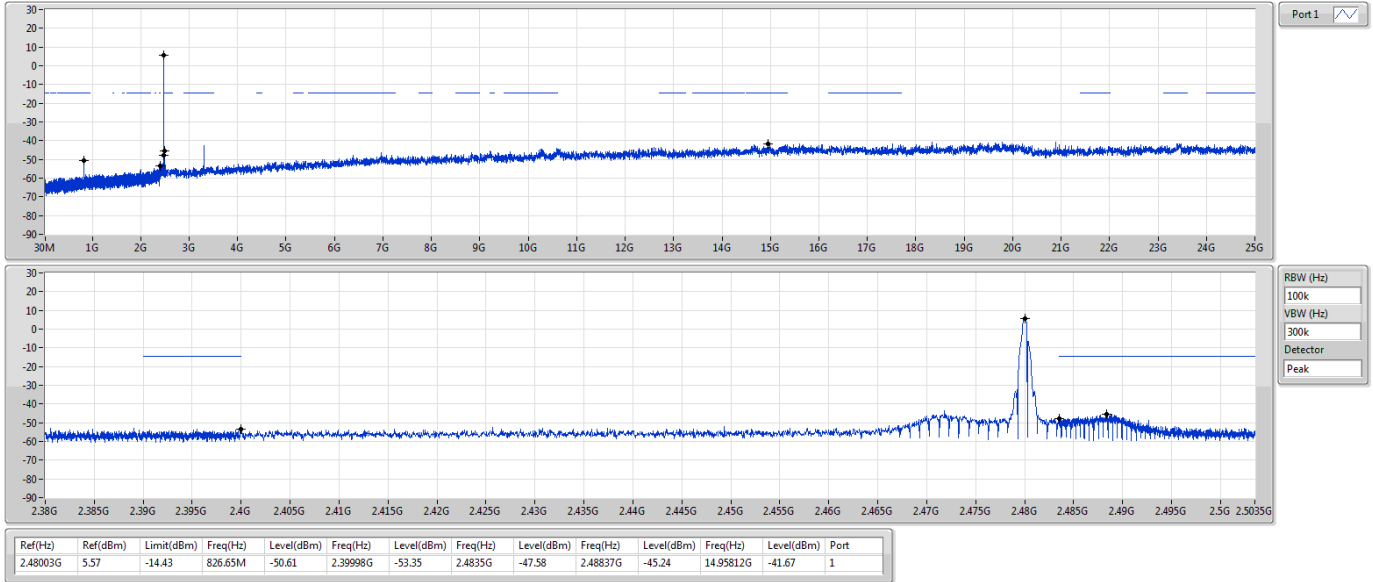
2440MHz



BT-BR(1Mbps)

CSEndB-FS

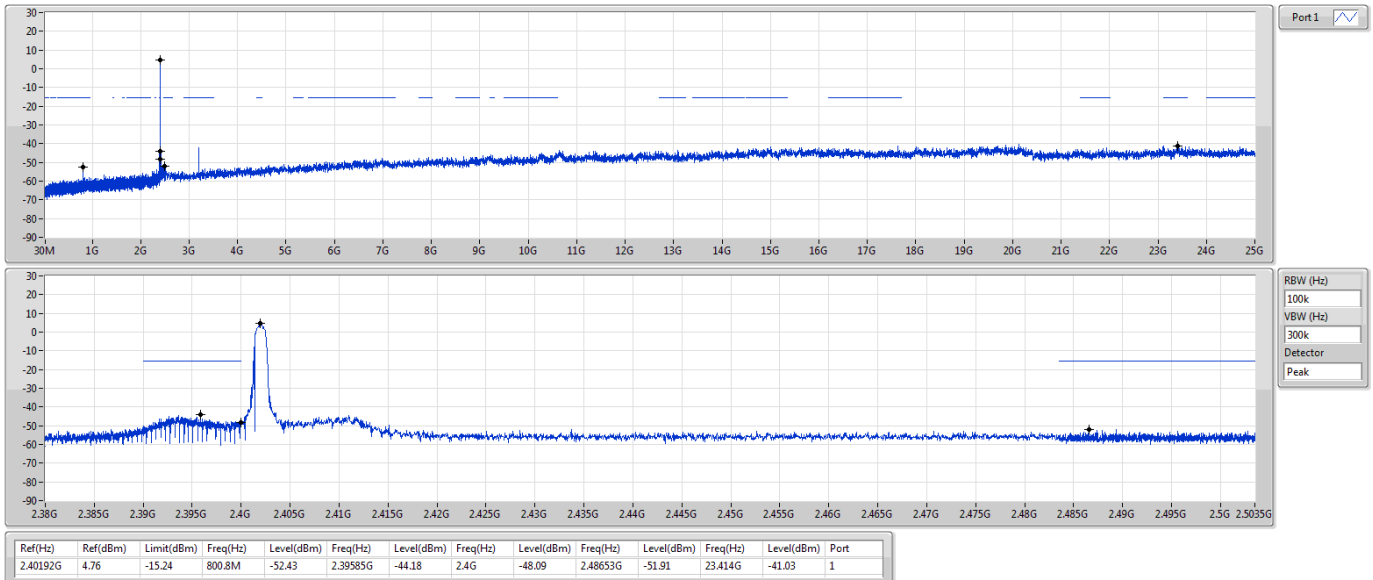
2480MHz



BT-EDR(2Mbps)

CSEndB-FS

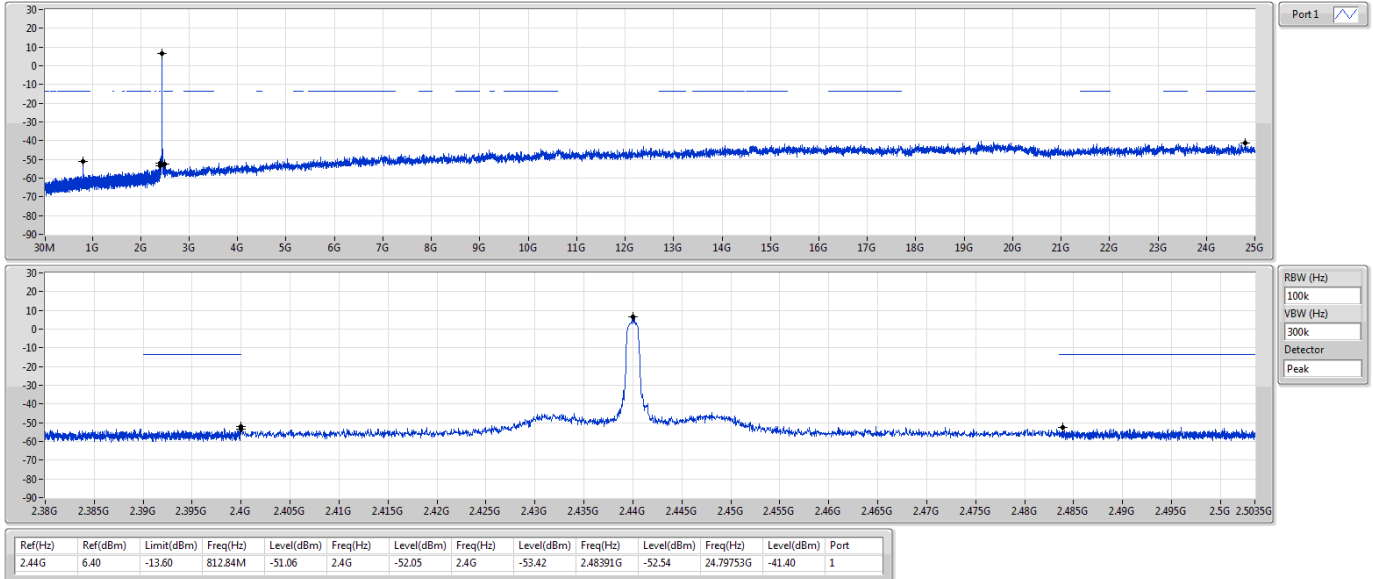
2402MHz



BT-EDR(2Mbps)

CSEndB-FS

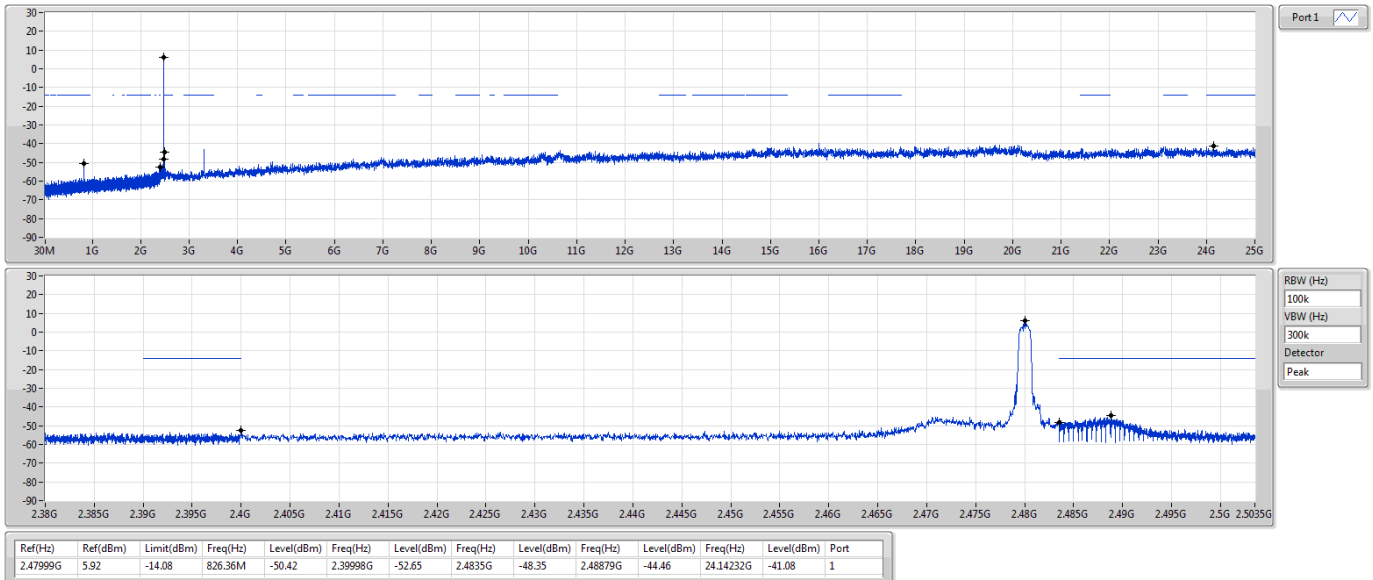
2440MHz



BT-EDR(2Mbps)

CSEndB-FS

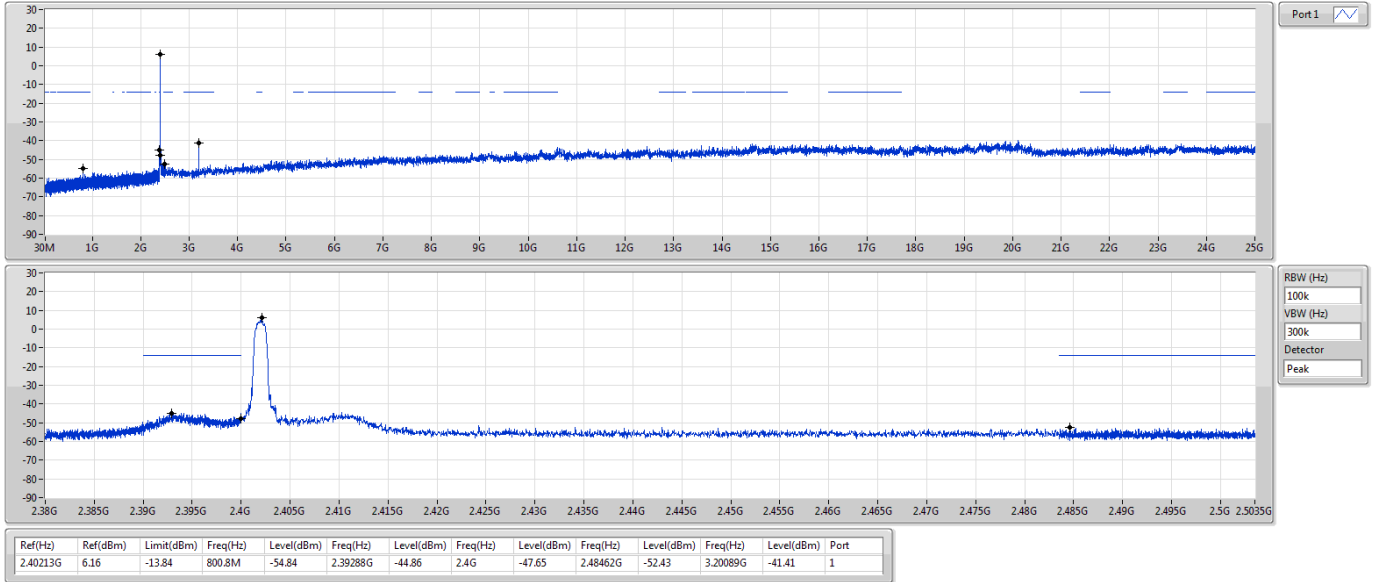
2480MHz



BT-EDR(3Mbps)

CSEndB-FS

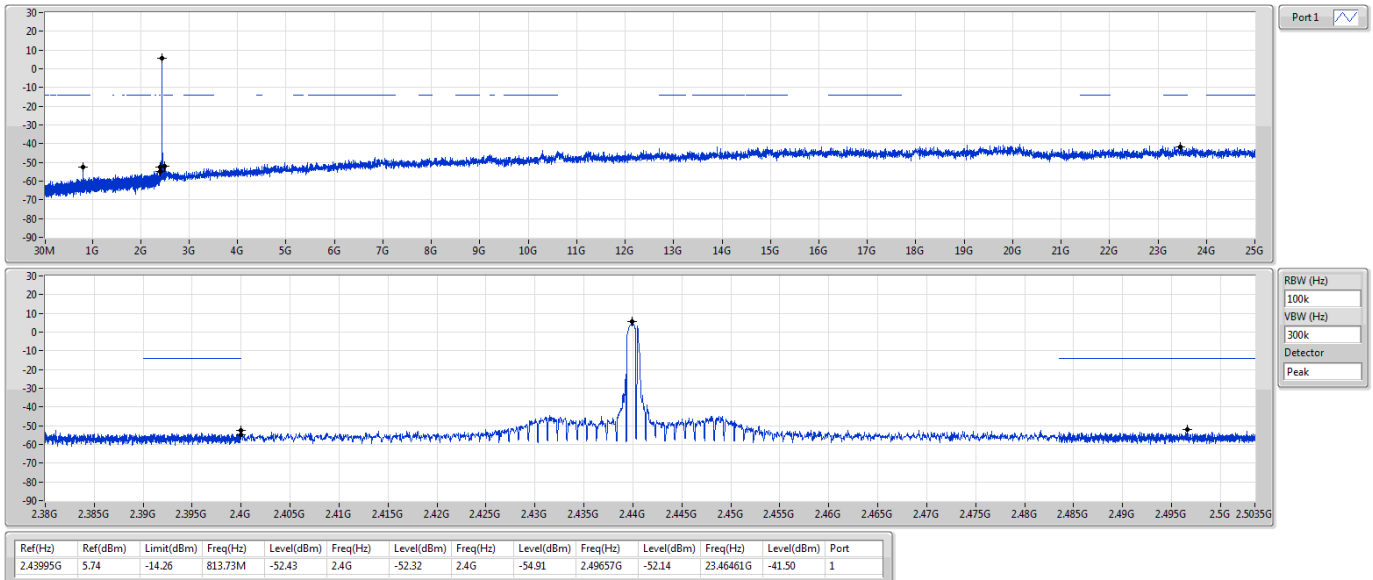
2402MHz



BT-EDR(3Mbps)

CSEndB-FS

2440MHz

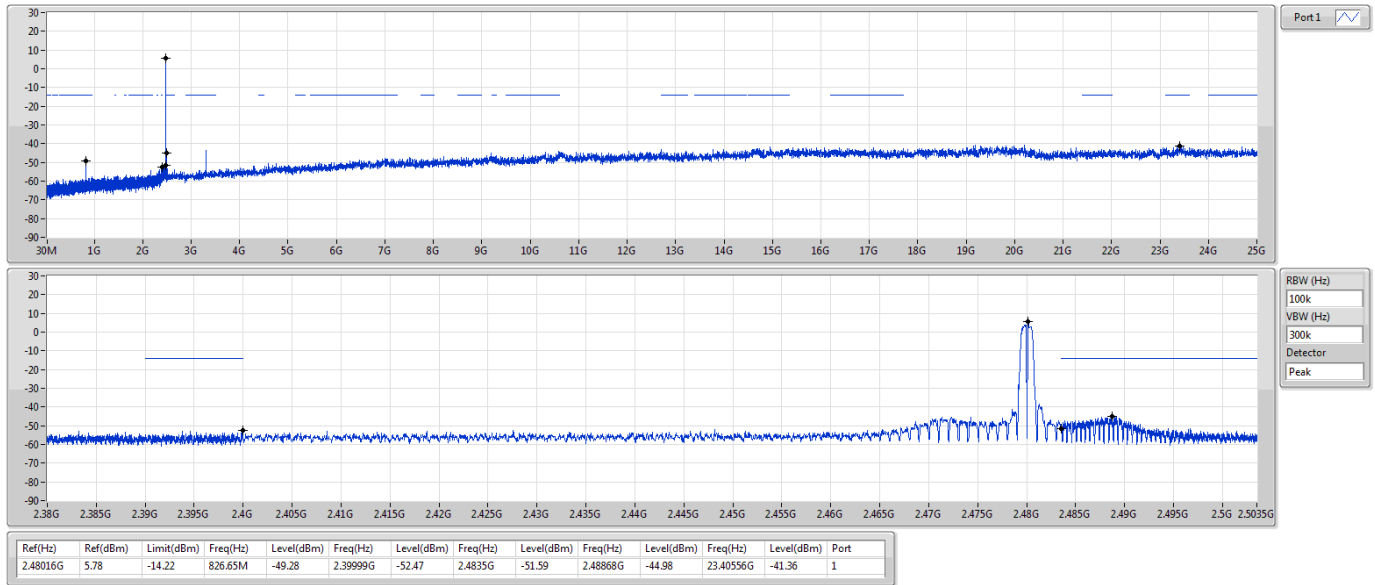


BT-EDR(3Mbps)

CSEndB-FS

2480MHz

29/12/2020





Summary

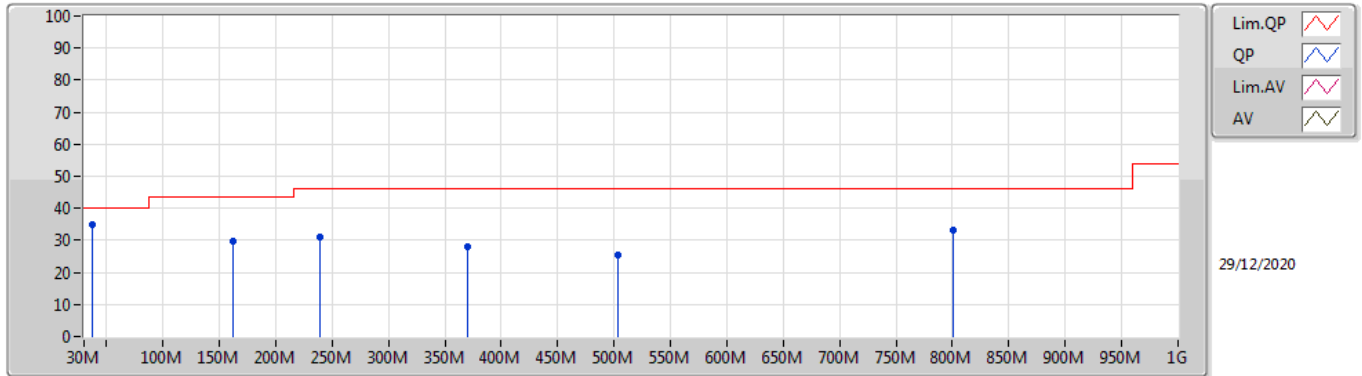
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	PK	37.76M	35.01	40.00	-4.99	3	Vertical	0	1.00	-

**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	PK	37.76M	35.01	40.00	-4.99	3	Vertical	0	1.00	-
2440MHz	Pass	PK	161.92M	29.92	43.50	-13.58	3	Vertical	0	1.00	-
2440MHz	Pass	PK	239.52M	30.94	46.00	-15.06	3	Vertical	0	1.00	-
2440MHz	Pass	PK	369.5M	28.23	46.00	-17.77	3	Vertical	0	1.00	-
2440MHz	Pass	PK	503.36M	25.26	46.00	-20.74	3	Vertical	0	1.00	-
2440MHz	Pass	PK	800.18M	33.02	46.00	-12.98	3	Vertical	0	1.00	-
2440MHz	Pass	PK	33.88M	34.97	40.00	-5.03	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	156.1M	34.91	43.50	-8.59	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	253.1M	40.19	46.00	-5.81	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	369.5M	34.37	46.00	-11.63	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	485.9M	30.52	46.00	-15.48	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	689.6M	32.67	46.00	-13.33	3	Horizontal	360	1.00	-

BT-BR(1Mbps)

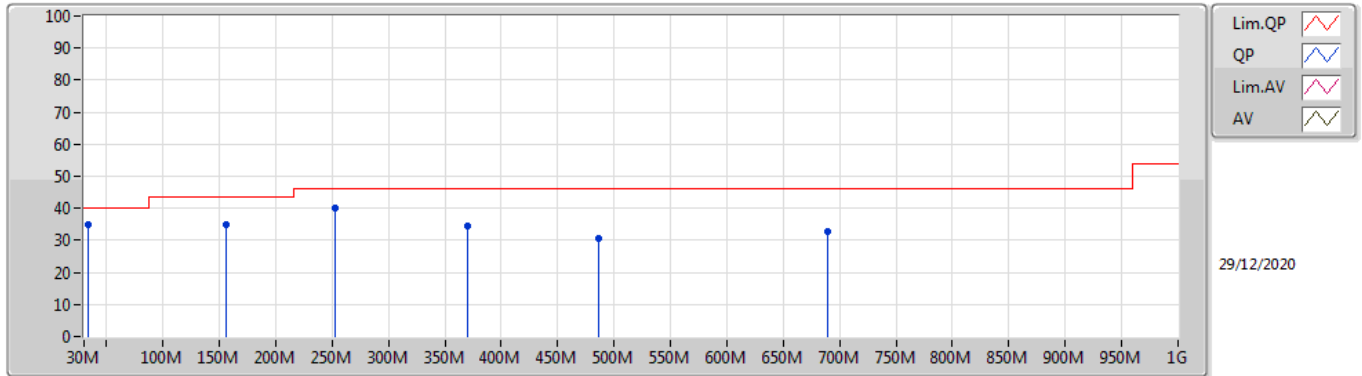
2440MHz_Test Fixture



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	37.76M	35.01	40.00	-4.99	-7.40	3	Vertical	0	1.00	-	42.41	19.19	0.96	27.55
PK	161.92M	29.92	43.50	-13.58	-10.01	3	Vertical	0	1.00	-	39.93	15.09	2.02	27.12
PK	239.52M	30.94	46.00	-15.06	-7.71	3	Vertical	0	1.00	-	38.65	16.50	2.54	26.75
PK	369.5M	28.23	46.00	-17.77	-3.76	3	Vertical	0	1.00	-	31.99	20.12	3.18	27.06
PK	503.36M	25.26	46.00	-20.74	-1.25	3	Vertical	0	1.00	-	26.51	22.85	3.71	27.81
PK	800.18M	33.02	46.00	-12.98	2.59	3	Vertical	0	1.00	-	30.43	25.58	4.80	27.79

BT-BR(1Mbps)

2440MHz_Test Fixture



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	33.88M	34.97	40.00	-5.03	-5.33	3	Horizontal	360	1.00	-	40.30	21.33	0.90	27.56
PK	156.1M	34.91	43.50	-8.59	-9.84	3	Horizontal	360	1.00	-	44.75	15.33	1.98	27.15
PK	253.1M	40.19	46.00	-5.81	-5.97	3	Horizontal	360	1.00	-	46.16	18.12	2.62	26.71
PK	369.5M	34.37	46.00	-11.63	-3.76	3	Horizontal	360	1.00	-	38.13	20.12	3.18	27.06
PK	485.9M	30.52	46.00	-15.48	-1.46	3	Horizontal	360	1.00	-	31.98	22.68	3.62	27.76
PK	689.6M	32.67	46.00	-13.33	0.72	3	Horizontal	360	1.00	-	31.95	24.34	4.38	28.00



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	PK	2.4888G	62.95	74.00	-11.05	3	Vertical	107	1.00	-
BT-EDR(3Mbps)	Pass	PK	2.4896G	63.31	74.00	-10.69	3	Horizontal	64	1.18	-



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3728G	37.53	54.00	-16.47	3	Vertical	109	1.03	-
2402MHz	Pass	AV	2.402G	79.59	Inf	-Inf	3	Vertical	109	1.03	-
2402MHz	Pass	PK	2.3728G	60.03	74.00	-13.97	3	Vertical	109	1.03	-
2402MHz	Pass	PK	2.402G	102.09	Inf	-Inf	3	Vertical	109	1.03	-
2402MHz	Pass	AV	2.3746G	36.38	54.00	-17.62	3	Horizontal	65	1.14	-
2402MHz	Pass	AV	2.402G	78.66	Inf	-Inf	3	Horizontal	65	1.14	-
2402MHz	Pass	PK	2.3746G	58.88	74.00	-15.12	3	Horizontal	65	1.14	-
2402MHz	Pass	PK	2.402G	101.16	Inf	-Inf	3	Horizontal	65	1.14	-
2402MHz	Pass	AV	4.80422G	32.69	54.00	-21.31	3	Vertical	360	1.02	-
2402MHz	Pass	PK	4.80422G	55.19	74.00	-18.81	3	Vertical	360	1.02	-
2402MHz	Pass	AV	4.80381G	28.05	54.00	-25.95	3	Horizontal	185	1.05	-
2402MHz	Pass	PK	4.80381G	50.55	74.00	-23.45	3	Horizontal	185	1.05	-
2440MHz	Pass	AV	2.3732G	35.90	54.00	-18.10	3	Vertical	109	1.03	-
2440MHz	Pass	AV	2.44G	78.07	Inf	-Inf	3	Vertical	109	1.03	-
2440MHz	Pass	AV	2.4932G	37.28	54.00	-16.72	3	Vertical	109	1.03	-
2440MHz	Pass	PK	2.3732G	58.40	74.00	-15.60	3	Vertical	109	1.03	-
2440MHz	Pass	PK	2.44G	100.57	Inf	-Inf	3	Vertical	109	1.03	-
2440MHz	Pass	PK	2.4932G	59.78	74.00	-14.22	3	Vertical	109	1.03	-
2440MHz	Pass	AV	2.3484G	36.31	54.00	-17.69	3	Horizontal	63	1.32	-
2440MHz	Pass	AV	2.44G	77.36	Inf	-Inf	3	Horizontal	63	1.32	-
2440MHz	Pass	AV	2.4972G	36.99	54.00	-17.01	3	Horizontal	63	1.32	-
2440MHz	Pass	PK	2.3484G	58.81	74.00	-15.19	3	Horizontal	63	1.32	-
2440MHz	Pass	PK	2.44G	99.86	Inf	-Inf	3	Horizontal	63	1.32	-
2440MHz	Pass	PK	2.4972G	59.49	74.00	-14.51	3	Horizontal	63	1.32	-
2440MHz	Pass	PK	4.87975G	52.79	74.00	-21.21	3	Vertical	0	1.03	-
2440MHz	Pass	AV	4.87975G	30.29	54.00	-23.71	3	Vertical	0	1.03	-
2440MHz	Pass	AV	4.87974G	26.54	54.00	-27.46	3	Horizontal	186	1.04	-
2440MHz	Pass	PK	4.87974G	49.04	74.00	-24.96	3	Horizontal	186	1.04	-
2480MHz	Pass	AV	2.4802G	78.22	Inf	-Inf	3	Vertical	107	1.00	-
2480MHz	Pass	AV	2.4888G	40.45	54.00	-13.55	3	Vertical	107	1.00	-
2480MHz	Pass	PK	2.4802G	100.72	Inf	-Inf	3	Vertical	107	1.00	-
2480MHz	Pass	PK	2.4888G	62.95	74.00	-11.05	3	Vertical	107	1.00	-
2480MHz	Pass	AV	2.48G	78.01	Inf	-Inf	3	Horizontal	64	1.19	-
2480MHz	Pass	AV	2.4844G	39.97	54.00	-14.03	3	Horizontal	64	1.19	-
2480MHz	Pass	PK	2.48G	100.51	Inf	-Inf	3	Horizontal	64	1.19	-
2480MHz	Pass	PK	2.4844G	62.47	74.00	-11.53	3	Horizontal	64	1.19	-
2480MHz	Pass	AV	4.95993G	28.15	54.00	-25.85	3	Vertical	0	1.02	-
2480MHz	Pass	PK	4.95993G	50.65	74.00	-23.35	3	Vertical	0	1.02	-
2480MHz	Pass	AV	4.96083G	25.45	54.00	-28.55	3	Horizontal	181	1.03	-
2480MHz	Pass	PK	4.96083G	47.95	74.00	-26.05	3	Horizontal	181	1.03	-
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3728G	37.53	54.00	-16.47	3	Vertical	109	1.03	-
2402MHz	Pass	AV	2.402G	79.59	Inf	-Inf	3	Vertical	109	1.03	-
2402MHz	Pass	PK	2.3728G	60.03	74.00	-13.97	3	Vertical	109	1.03	-
2402MHz	Pass	PK	2.402G	102.09	Inf	-Inf	3	Vertical	109	1.03	-
2402MHz	Pass	AV	2.3746G	36.38	54.00	-17.62	3	Horizontal	65	1.14	-
2402MHz	Pass	AV	2.402G	78.66	Inf	-Inf	3	Horizontal	65	1.14	-
2402MHz	Pass	PK	2.3746G	58.88	74.00	-15.12	3	Horizontal	65	1.14	-
2402MHz	Pass	PK	2.402G	101.16	Inf	-Inf	3	Horizontal	65	1.14	-
2402MHz	Pass	AV	4.80422G	32.69	54.00	-21.31	3	Vertical	360	1.02	-
2402MHz	Pass	PK	4.80422G	55.19	74.00	-18.81	3	Vertical	360	1.02	-
2402MHz	Pass	AV	4.80381G	28.05	54.00	-25.95	3	Horizontal	185	1.05	-
2402MHz	Pass	PK	4.80381G	50.55	74.00	-23.45	3	Horizontal	185	1.05	-
2440MHz	Pass	AV	2.3404G	36.39	54.00	-17.61	3	Vertical	108	1.02	-
2440MHz	Pass	AV	2.44G	79.07	Inf	-Inf	3	Vertical	108	1.02	-
2440MHz	Pass	AV	2.4976G	36.74	54.00	-17.26	3	Vertical	108	1.02	-
2440MHz	Pass	PK	2.3404G	58.89	74.00	-15.11	3	Vertical	108	1.02	-
2440MHz	Pass	PK	2.44G	101.57	Inf	-Inf	3	Vertical	108	1.02	-
2440MHz	Pass	PK	2.4976G	59.24	74.00	-14.76	3	Vertical	108	1.02	-
2440MHz	Pass	AV	2.3528G	36.56	54.00	-17.44	3	Horizontal	63	1.32	-



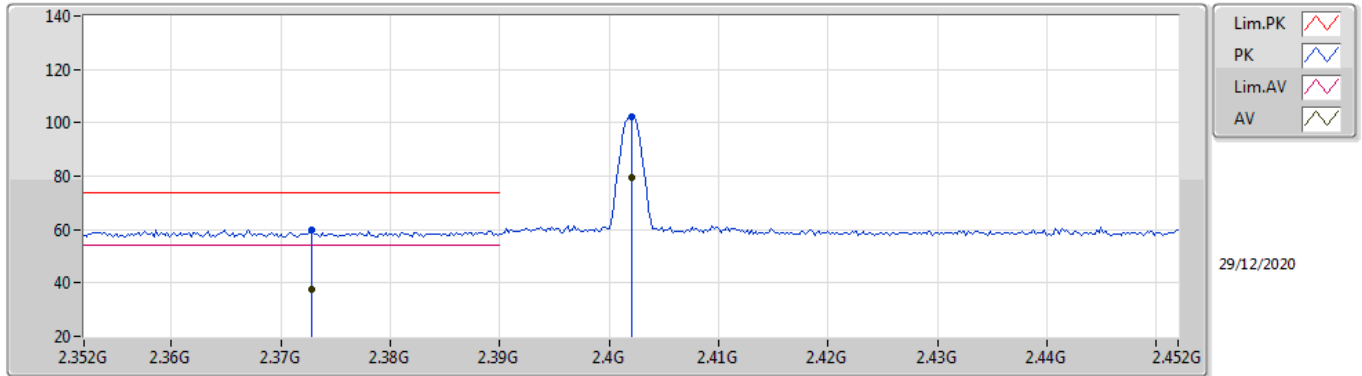
RSE TX above 1GHz

Appendix G.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2440MHz	Pass	AV	2.44G	78.62	Inf	-Inf	3	Horizontal	63	1.32	-
2440MHz	Pass	AV	2.4968G	37.07	54.00	-16.93	3	Horizontal	63	1.32	-
2440MHz	Pass	PK	2.3528G	59.06	74.00	-14.94	3	Horizontal	63	1.32	-
2440MHz	Pass	PK	2.44G	101.12	Inf	-Inf	3	Horizontal	63	1.32	-
2440MHz	Pass	PK	2.4968G	59.57	74.00	-14.43	3	Horizontal	63	1.32	-
2440MHz	Pass	AV	4.87973G	31.44	54.00	-22.56	3	Vertical	360	1.05	-
2440MHz	Pass	PK	4.87973G	53.94	74.00	-20.06	3	Vertical	360	1.05	-
2440MHz	Pass	AV	4.88036G	27.12	54.00	-26.88	3	Horizontal	186	1.03	-
2440MHz	Pass	PK	4.88036G	49.62	74.00	-24.38	3	Horizontal	186	1.03	-
2480MHz	Pass	AV	2.4802G	79.57	Inf	-Inf	3	Vertical	107	1.00	-
2480MHz	Pass	AV	2.4872G	40.46	54.00	-13.54	3	Vertical	107	1.00	-
2480MHz	Pass	PK	2.4802G	102.07	Inf	-Inf	3	Vertical	107	1.00	-
2480MHz	Pass	PK	2.4872G	62.96	74.00	-11.04	3	Vertical	107	1.00	-
2480MHz	Pass	AV	2.48G	79.43	Inf	-Inf	3	Horizontal	64	1.18	-
2480MHz	Pass	AV	2.4896G	40.81	54.00	-13.19	3	Horizontal	64	1.18	-
2480MHz	Pass	PK	2.48G	101.93	Inf	-Inf	3	Horizontal	64	1.18	-
2480MHz	Pass	PK	2.4896G	63.31	74.00	-10.69	3	Horizontal	64	1.18	-
2480MHz	Pass	AV	4.95995G	28.98	54.00	-25.02	3	Vertical	360	1.06	-
2480MHz	Pass	PK	4.95995G	51.48	74.00	-22.52	3	Vertical	360	1.06	-
2480MHz	Pass	AV	4.96041G	25.87	54.00	-28.13	3	Horizontal	185	1.03	-
2480MHz	Pass	PK	4.96041G	48.37	74.00	-25.63	3	Horizontal	185	1.03	-

BT-BR(1Mbps)

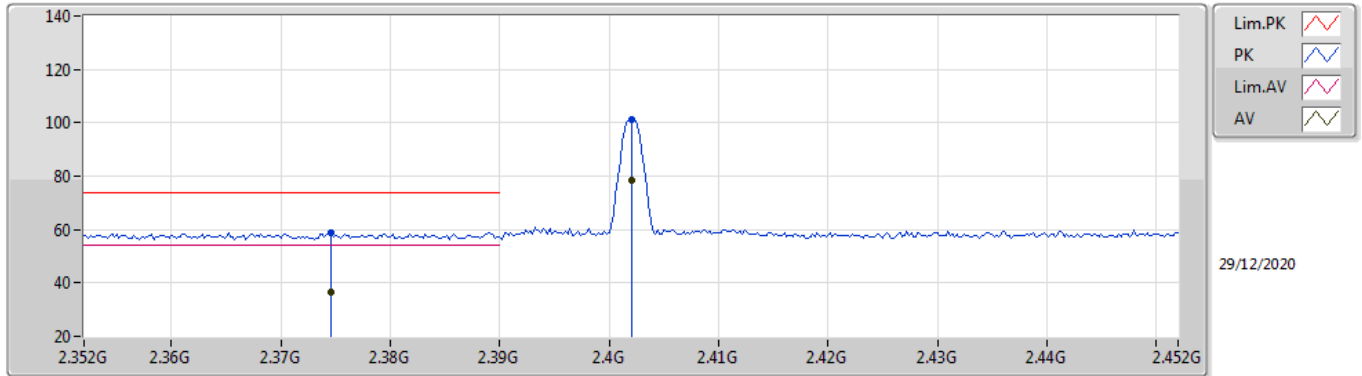
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3728G	37.53	54.00	-16.47	31.92	3	Vertical	109	1.03	-	5.61	27.65	4.27	-
AV	2.402G	79.59	Inf	-Inf	31.90	3	Vertical	109	1.03	-	47.69	27.60	4.30	-
PK	2.3728G	60.03	74.00	-13.97	31.92	3	Vertical	109	1.03	-	28.11	27.65	4.27	-
PK	2.402G	102.09	Inf	-Inf	31.90	3	Vertical	109	1.03	-	70.19	27.60	4.30	-

BT-BR(1Mbps)

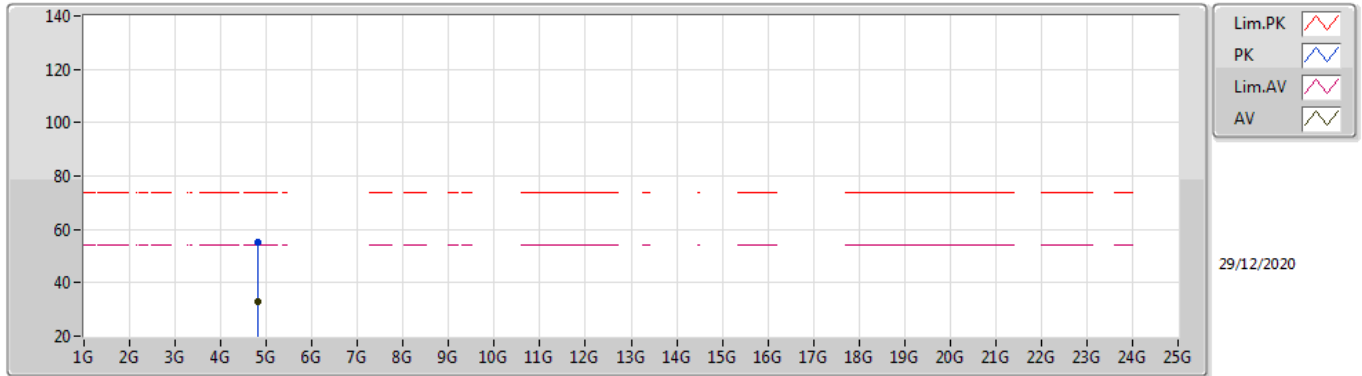
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3746G	36.38	54.00	-17.62	31.92	3	Horizontal	65	1.14	-	4.46	27.65	4.27	-
AV	2.402G	78.66	Inf	-Inf	31.90	3	Horizontal	65	1.14	-	46.76	27.60	4.30	-
PK	2.3746G	58.88	74.00	-15.12	31.92	3	Horizontal	65	1.14	-	26.96	27.65	4.27	-
PK	2.402G	101.16	Inf	-Inf	31.90	3	Horizontal	65	1.14	-	69.26	27.60	4.30	-

BT-BR(1Mbps)

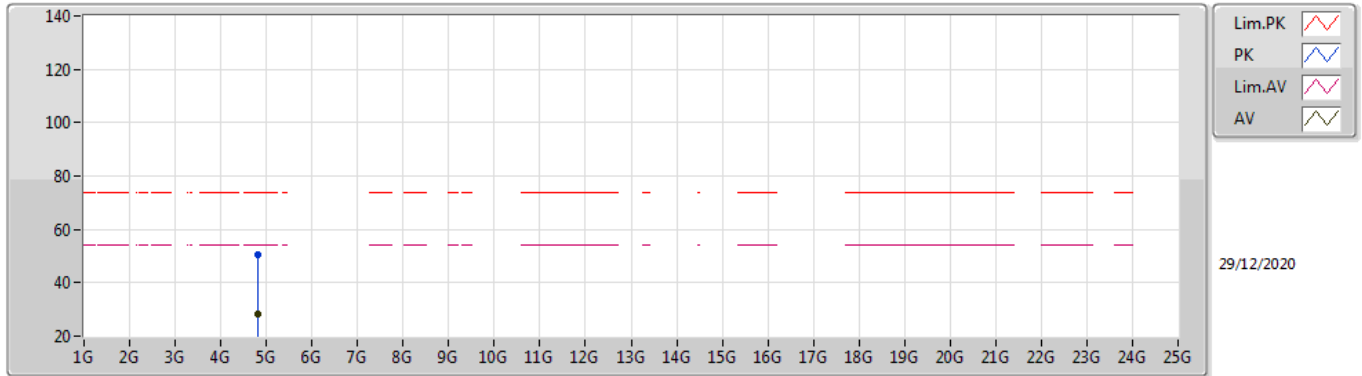
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80422G	32.69	54.00	-21.31	8.37	3	Vertical	360	1.02	-	24.32	31.10	6.50	29.23
PK	4.80422G	55.19	74.00	-18.81	8.37	3	Vertical	360	1.02	-	46.82	31.10	6.50	29.23

BT-BR(1Mbps)

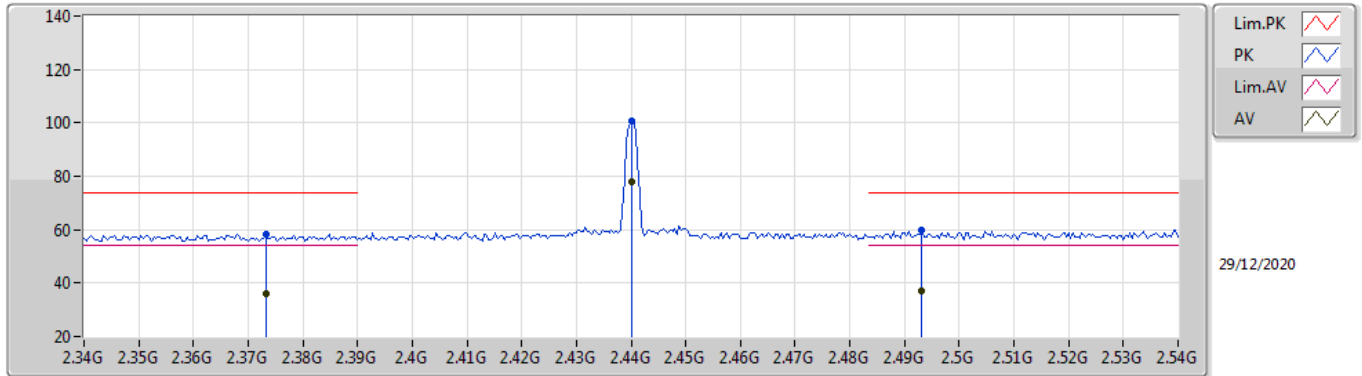
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80381G	28.05	54.00	-25.95	8.37	3	Horizontal	185	1.05	-	19.68	31.10	6.50	29.23
PK	4.80381G	50.55	74.00	-23.45	8.37	3	Horizontal	185	1.05	-	42.18	31.10	6.50	29.23

BT-BR(1Mbps)

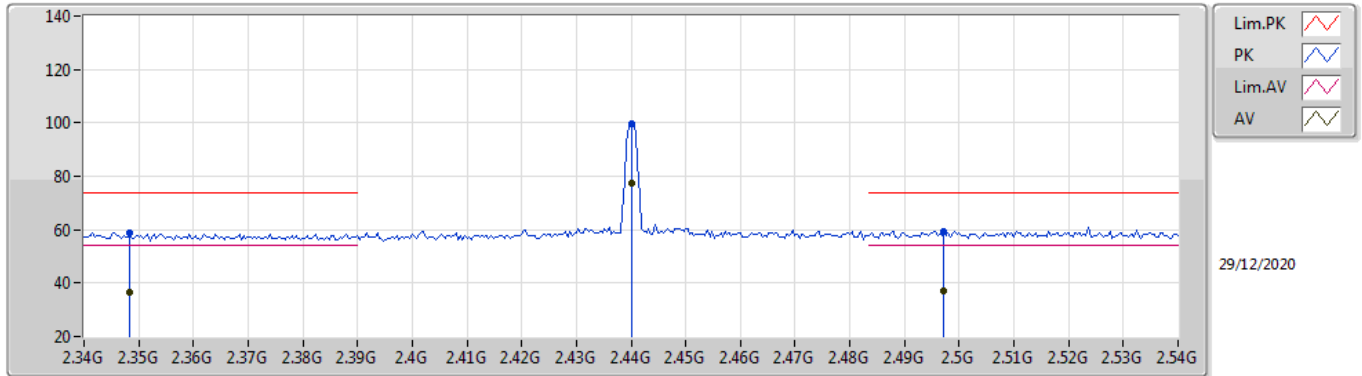
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3732G	35.90	54.00	-18.10	31.92	3	Vertical	109	1.03	-	3.98	27.65	4.27	-
AV	2.44G	78.07	Inf	-Inf	31.86	3	Vertical	109	1.03	-	46.21	27.52	4.34	-
AV	2.4932G	37.28	54.00	-16.72	31.80	3	Vertical	109	1.03	-	5.48	27.41	4.39	-
PK	2.3732G	58.40	74.00	-15.60	31.92	3	Vertical	109	1.03	-	26.48	27.65	4.27	-
PK	2.44G	100.57	Inf	-Inf	31.86	3	Vertical	109	1.03	-	68.71	27.52	4.34	-
PK	2.4932G	59.78	74.00	-14.22	31.80	3	Vertical	109	1.03	-	27.98	27.41	4.39	-

BT-BR(1Mbps)

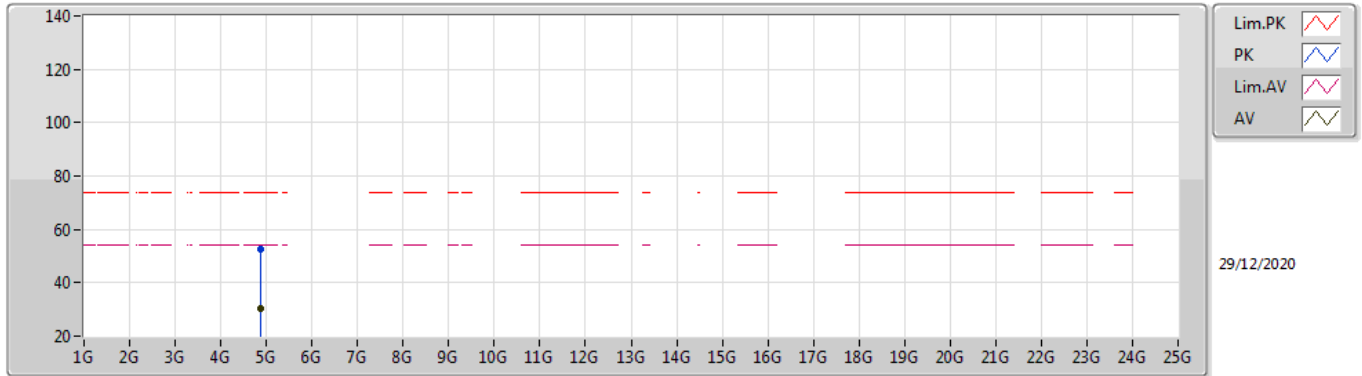
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Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3484G	36.31	54.00	-17.69	31.96	3	Horizontal	63	1.32	-	4.35	27.71	4.25	-
AV	2.44G	77.36	Inf	-Inf	31.86	3	Horizontal	63	1.32	-	45.50	27.52	4.34	-
AV	2.4972G	36.99	54.00	-17.01	31.81	3	Horizontal	63	1.32	-	5.18	27.41	4.40	-
PK	2.3484G	58.81	74.00	-15.19	31.96	3	Horizontal	63	1.32	-	26.85	27.71	4.25	-
PK	2.44G	99.86	Inf	-Inf	31.86	3	Horizontal	63	1.32	-	68.00	27.52	4.34	-
PK	2.4972G	59.49	74.00	-14.51	31.81	3	Horizontal	63	1.32	-	27.68	27.41	4.40	-

BT-BR(1Mbps)

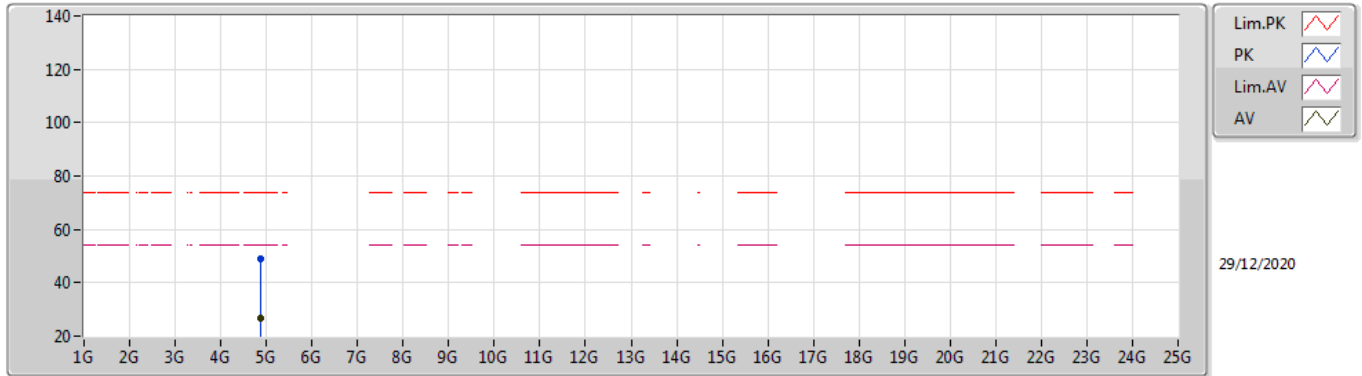
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	4.87975G	52.79	74.00	-21.21	8.47	3	Vertical	0	1.03	-	44.32	31.10	6.58	29.21
AV	4.87975G	30.29	54.00	-23.71	8.47	3	Vertical	0	1.03	-	21.82	31.10	6.58	29.21

BT-BR(1Mbps)

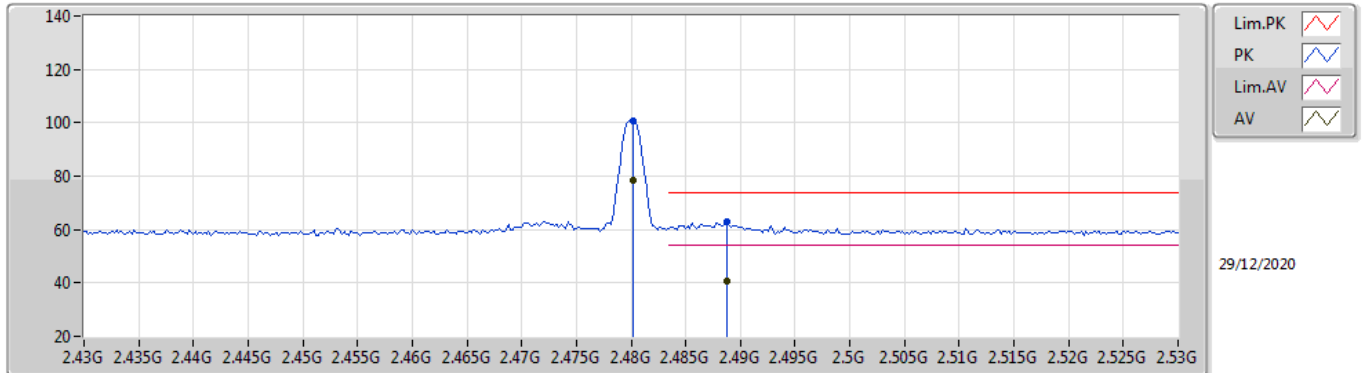
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87974G	26.54	54.00	-27.46	8.47	3	Horizontal	186	1.04	-	18.07	31.10	6.58	29.21
PK	4.87974G	49.04	74.00	-24.96	8.47	3	Horizontal	186	1.04	-	40.57	31.10	6.58	29.21

BT-BR(1Mbps)

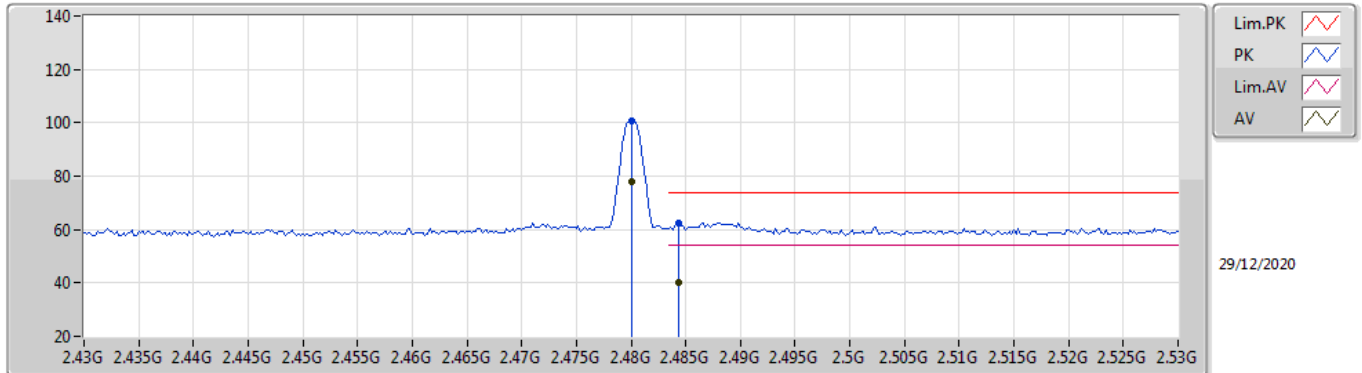
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4802G	78.22	Inf	-Inf	31.82	3	Vertical	107	1.00	-	46.40	27.44	4.38	-
AV	2.4888G	40.45	54.00	-13.55	31.81	3	Vertical	107	1.00	-	8.64	27.42	4.39	-
PK	2.4802G	100.72	Inf	-Inf	31.82	3	Vertical	107	1.00	-	68.90	27.44	4.38	-
PK	2.4888G	62.95	74.00	-11.05	31.81	3	Vertical	107	1.00	-	31.14	27.42	4.39	-

BT-BR(1Mbps)

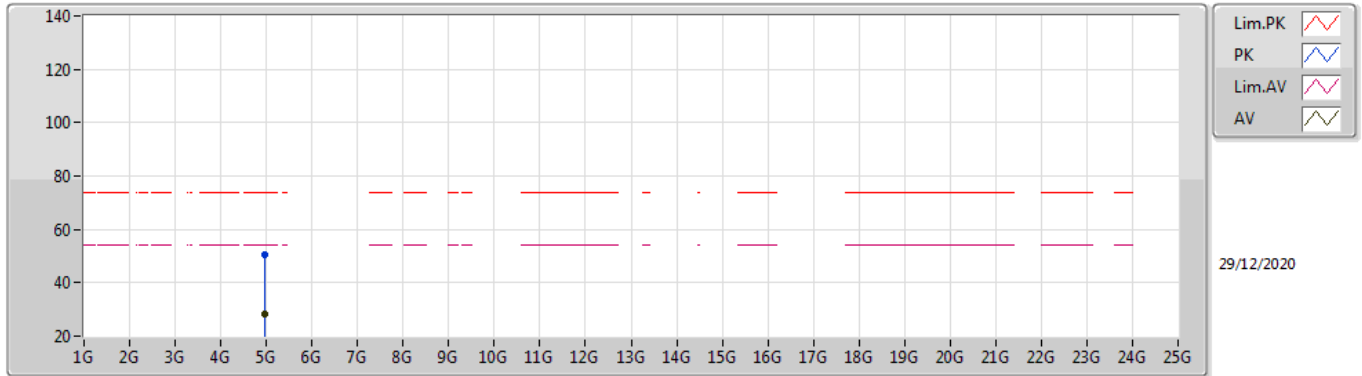
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	78.01	Inf	-Inf	31.82	3	Horizontal	64	1.19	-	46.19	27.44	4.38	-
AV	2.4844G	39.97	54.00	-14.03	31.81	3	Horizontal	64	1.19	-	8.16	27.43	4.38	-
PK	2.48G	100.51	Inf	-Inf	31.82	3	Horizontal	64	1.19	-	68.69	27.44	4.38	-
PK	2.4844G	62.47	74.00	-11.53	31.81	3	Horizontal	64	1.19	-	30.66	27.43	4.38	-

BT-BR(1Mbps)

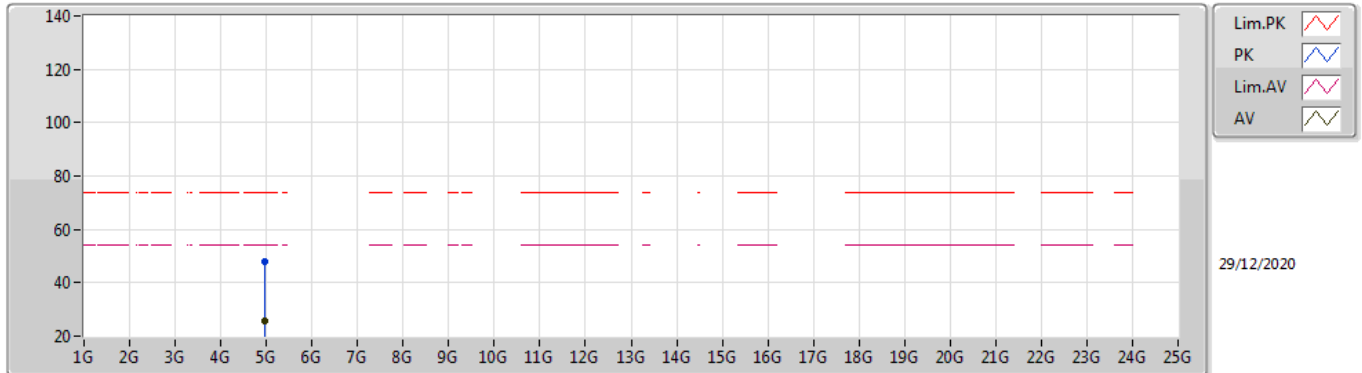
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.95993G	28.15	54.00	-25.85	8.68	3	Vertical	0	1.02	-	19.47	31.20	6.66	29.18
PK	4.95993G	50.65	74.00	-23.35	8.68	3	Vertical	0	1.02	-	41.97	31.20	6.66	29.18

BT-BR(1Mbps)

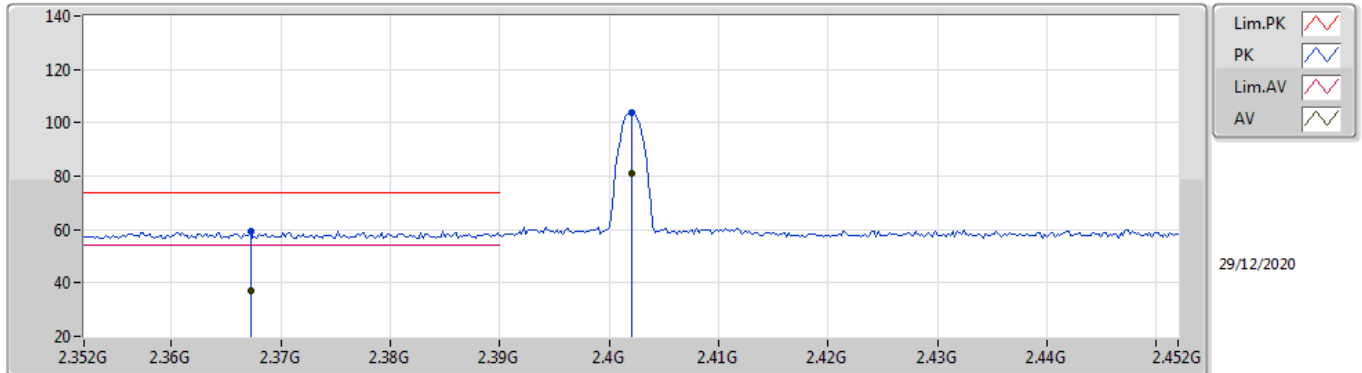
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.96083G	25.45	54.00	-28.55	8.68	3	Horizontal	181	1.03	-	16.77	31.20	6.66	29.18
PK	4.96083G	47.95	74.00	-26.05	8.68	3	Horizontal	181	1.03	-	39.27	31.20	6.66	29.18

BT-EDR(3Mbps)

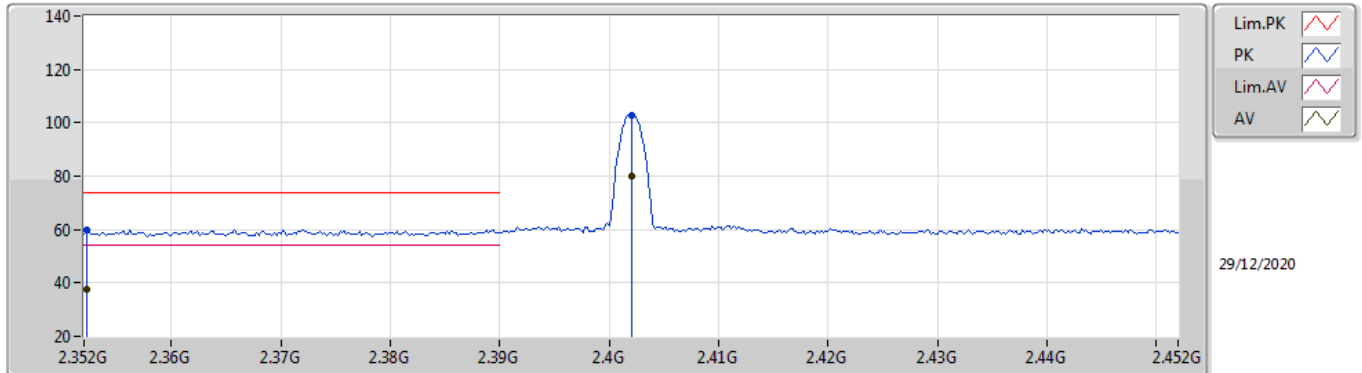
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3672G	36.97	54.00	-17.03	31.94	3	Vertical	109	1.03	-	5.03	27.67	4.27	-
AV	2.402G	81.08	Inf	-Inf	31.90	3	Vertical	109	1.03	-	49.18	27.60	4.30	-
PK	2.3672G	59.47	74.00	-14.53	31.94	3	Vertical	109	1.03	-	27.53	27.67	4.27	-
PK	2.402G	103.58	Inf	-Inf	31.90	3	Vertical	109	1.03	-	71.68	27.60	4.30	-

BT-EDR(3Mbps)

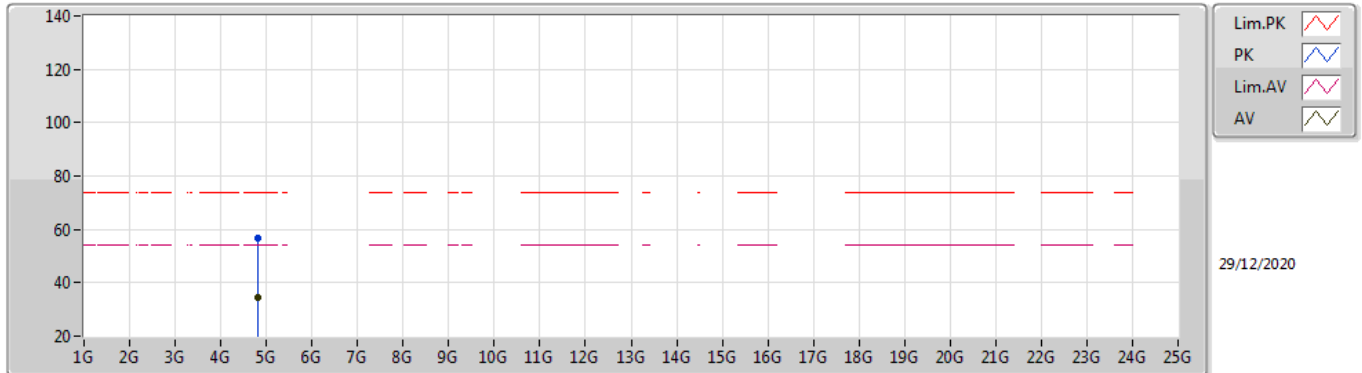
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3522G	37.50	54.00	-16.50	31.95	3	Horizontal	65	1.15	-	5.55	27.70	4.25	-
AV	2.402G	80.23	Inf	-Inf	31.90	3	Horizontal	65	1.15	-	48.33	27.60	4.30	-
PK	2.3522G	60.00	74.00	-14.00	31.95	3	Horizontal	65	1.15	-	28.05	27.70	4.25	-
PK	2.402G	102.73	Inf	-Inf	31.90	3	Horizontal	65	1.15	-	70.83	27.60	4.30	-

BT-EDR(3Mbps)

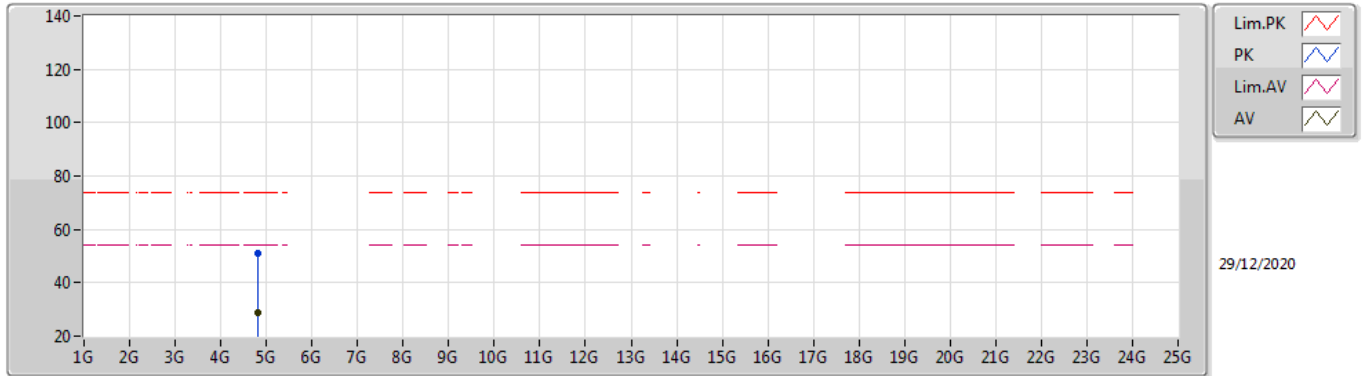
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80368G	34.41	54.00	-19.59	8.37	3	Vertical	0	1.04	-	26.04	31.10	6.50	29.23
PK	4.80368G	56.91	74.00	-17.09	8.37	3	Vertical	0	1.04	-	48.54	31.10	6.50	29.23

BT-EDR(3Mbps)

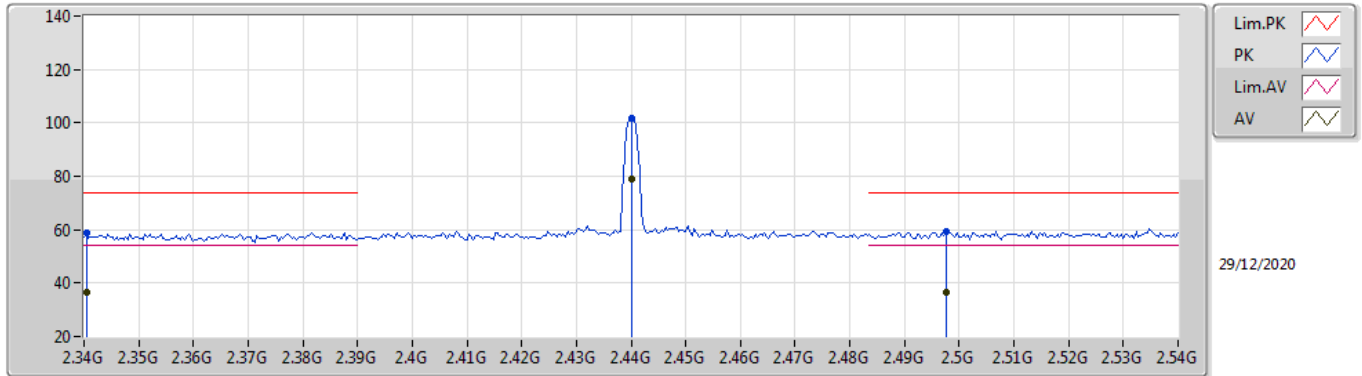
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80353G	28.69	54.00	-25.31	8.37	3	Horizontal	186	1.04	-	20.32	31.10	6.50	29.23
PK	4.80353G	51.19	74.00	-22.81	8.37	3	Horizontal	186	1.04	-	42.82	31.10	6.50	29.23

BT-EDR(3Mbps)

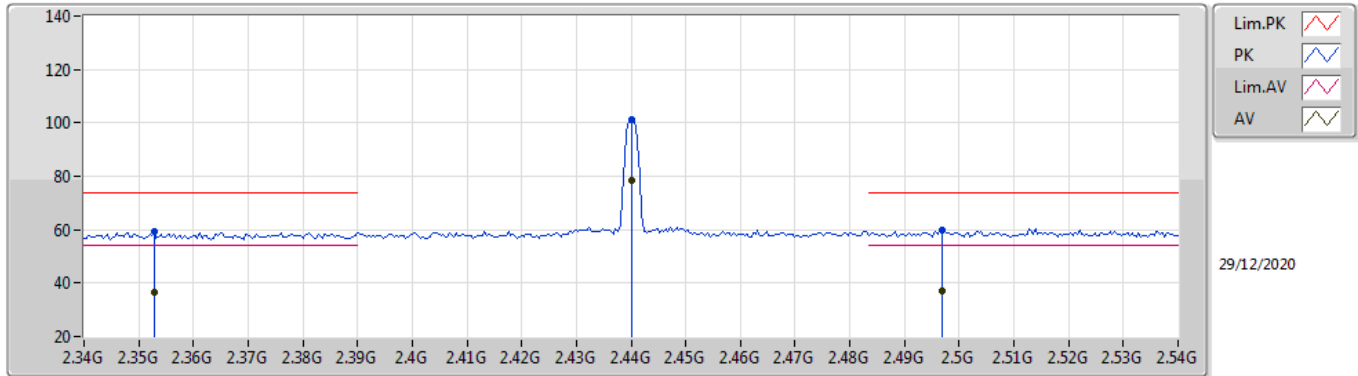
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3404G	36.39	54.00	-17.61	31.98	3	Vertical	108	1.02	-	4.41	27.74	4.24	-
AV	2.44G	79.07	Inf	-Inf	31.86	3	Vertical	108	1.02	-	47.21	27.52	4.34	-
AV	2.4976G	36.74	54.00	-17.26	31.80	3	Vertical	108	1.02	-	4.94	27.40	4.40	-
PK	2.3404G	58.89	74.00	-15.11	31.98	3	Vertical	108	1.02	-	26.91	27.74	4.24	-
PK	2.44G	101.57	Inf	-Inf	31.86	3	Vertical	108	1.02	-	69.71	27.52	4.34	-
PK	2.4976G	59.24	74.00	-14.76	31.80	3	Vertical	108	1.02	-	27.44	27.40	4.40	-

BT-EDR(3Mbps)

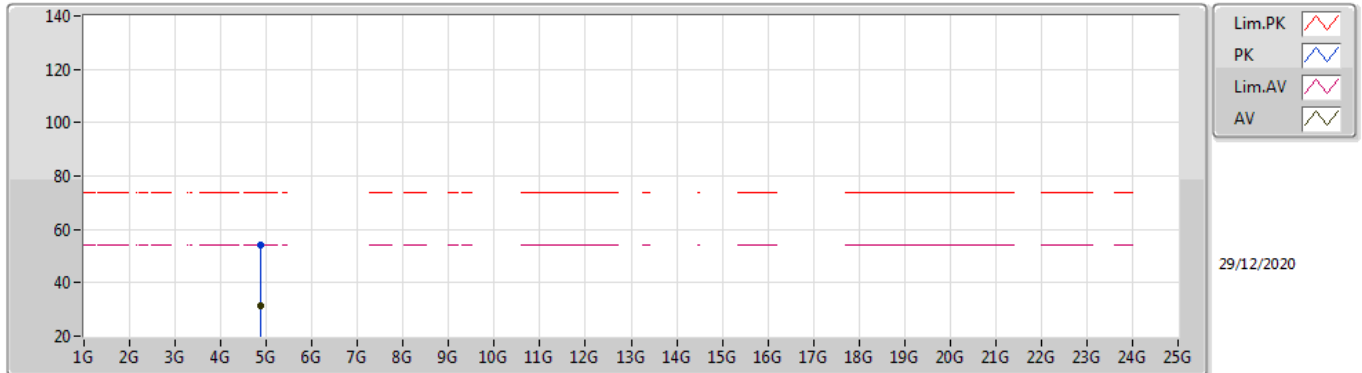
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3528G	36.56	54.00	-17.44	31.94	3	Horizontal	63	1.32	-	4.62	27.69	4.25	-
AV	2.44G	78.62	Inf	-Inf	31.86	3	Horizontal	63	1.32	-	46.76	27.52	4.34	-
AV	2.4968G	37.07	54.00	-16.93	31.81	3	Horizontal	63	1.32	-	5.26	27.41	4.40	-
PK	2.3528G	59.06	74.00	-14.94	31.94	3	Horizontal	63	1.32	-	27.12	27.69	4.25	-
PK	2.44G	101.12	Inf	-Inf	31.86	3	Horizontal	63	1.32	-	69.26	27.52	4.34	-
PK	2.4968G	59.57	74.00	-14.43	31.81	3	Horizontal	63	1.32	-	27.76	27.41	4.40	-

BT-EDR(3Mbps)

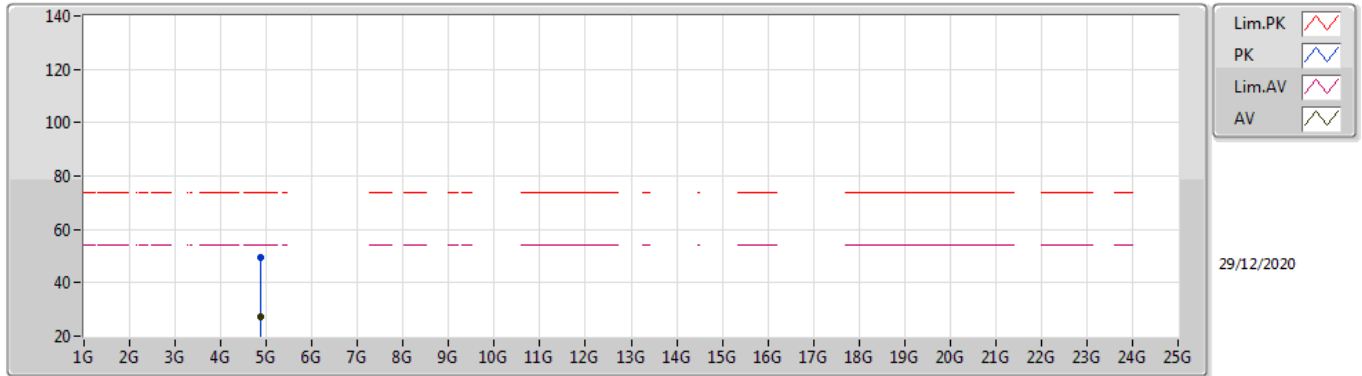
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87973G	31.44	54.00	-22.56	8.47	3	Vertical	360	1.05	-	22.97	31.10	6.58	29.21
PK	4.87973G	53.94	74.00	-20.06	8.47	3	Vertical	360	1.05	-	45.47	31.10	6.58	29.21

BT-EDR(3Mbps)

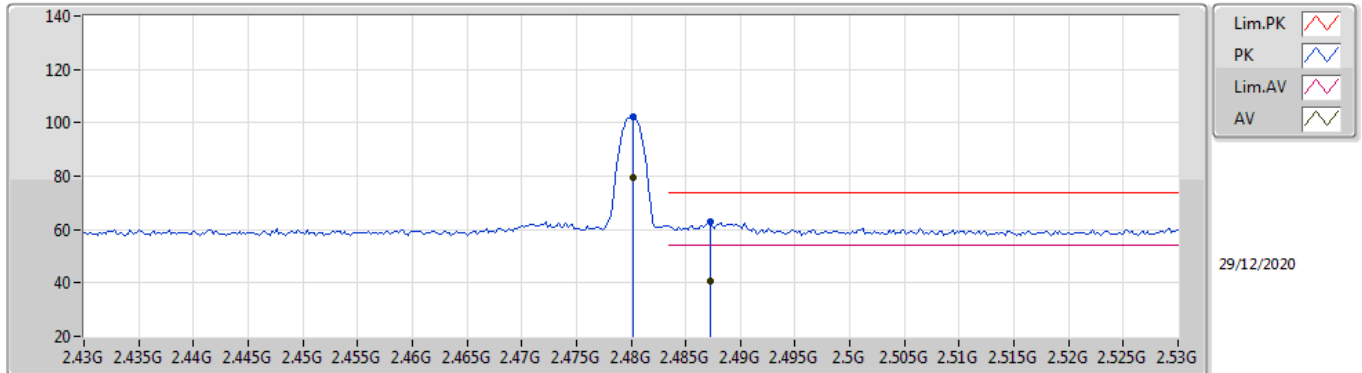
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.88036G	27.12	54.00	-26.88	8.47	3	Horizontal	186	1.03	-	18.65	31.10	6.58	29.21
PK	4.88036G	49.62	74.00	-24.38	8.47	3	Horizontal	186	1.03	-	41.15	31.10	6.58	29.21

BT-EDR(3Mbps)

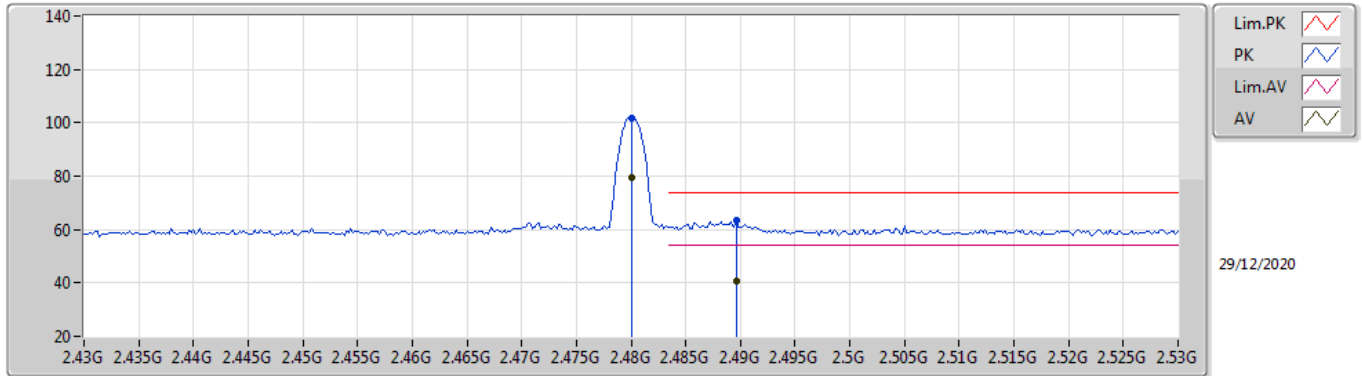
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4802G	79.57	Inf	-Inf	31.82	3	Vertical	107	1.00	-	47.75	27.44	4.38	-
AV	2.4872G	40.46	54.00	-13.54	31.82	3	Vertical	107	1.00	-	8.64	27.43	4.39	-
PK	2.4802G	102.07	Inf	-Inf	31.82	3	Vertical	107	1.00	-	70.25	27.44	4.38	-
PK	2.4872G	62.96	74.00	-11.04	31.82	3	Vertical	107	1.00	-	31.14	27.43	4.39	-

BT-EDR(3Mbps)

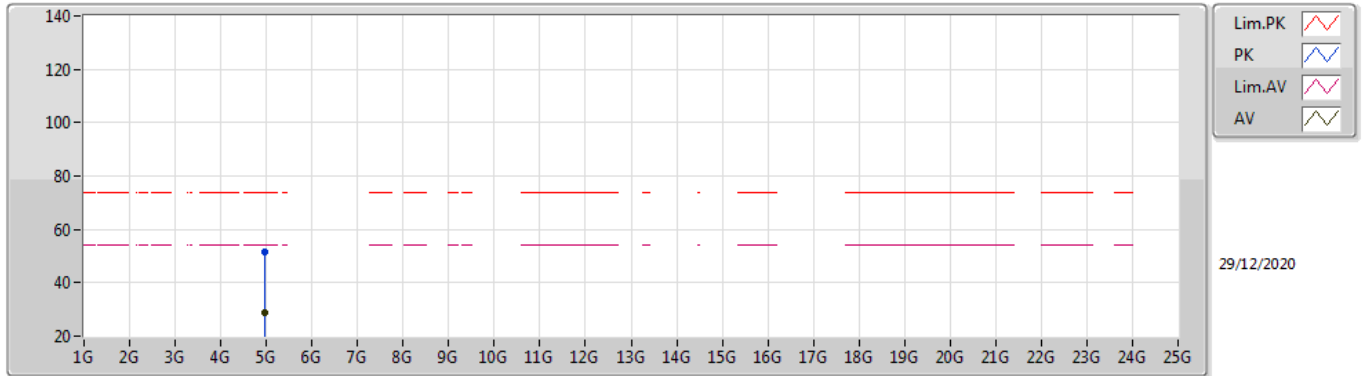
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	79.43	Inf	-Inf	31.82	3	Horizontal	64	1.18	-	47.61	27.44	4.38	-
AV	2.4896G	40.81	54.00	-13.19	31.81	3	Horizontal	64	1.18	-	9.00	27.42	4.39	-
PK	2.48G	101.93	Inf	-Inf	31.82	3	Horizontal	64	1.18	-	70.11	27.44	4.38	-
PK	2.4896G	63.31	74.00	-10.69	31.81	3	Horizontal	64	1.18	-	31.50	27.42	4.39	-

BT-EDR(3Mbps)

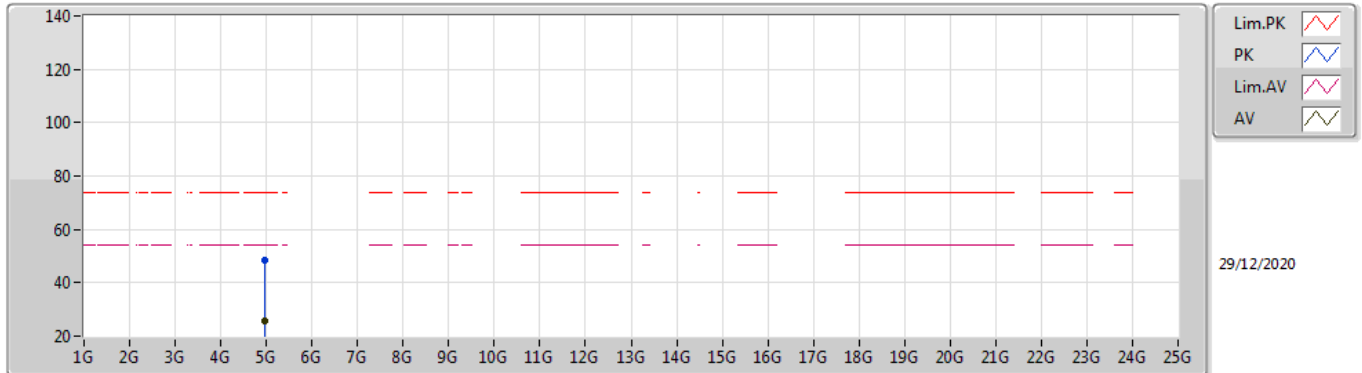
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.95995G	28.98	54.00	-25.02	8.68	3	Vertical	360	1.06	-	20.30	31.20	6.66	29.18
PK	4.95995G	51.48	74.00	-22.52	8.68	3	Vertical	360	1.06	-	42.80	31.20	6.66	29.18

BT-EDR(3Mbps)

2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.96041G	25.87	54.00	-28.13	8.68	3	Horizontal	185	1.03	-	17.19	31.20	6.66	29.18
PK	4.96041G	48.37	74.00	-25.63	8.68	3	Horizontal	185	1.03	-	39.69	31.20	6.66	29.18



Summary

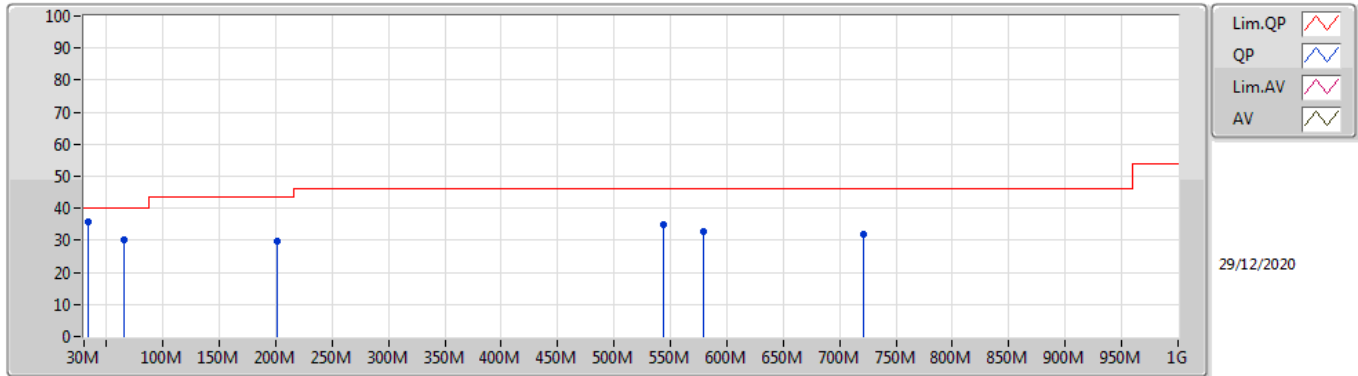
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	PK	33.78M	35.75	40.00	-4.25	3	Vertical	0	1.00	-

**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	PK	33.78M	35.75	40.00	-4.25	3	Vertical	0	1.00	-
2440MHz	Pass	PK	65.78M	30.10	40.00	-9.90	3	Vertical	0	1.00	-
2440MHz	Pass	PK	201.57M	29.75	43.50	-13.75	3	Vertical	0	1.00	-
2440MHz	Pass	PK	544.2M	34.78	46.00	-11.22	3	Vertical	0	1.00	-
2440MHz	Pass	PK	579.07M	32.88	46.00	-13.12	3	Vertical	0	1.00	-
2440MHz	Pass	PK	721.55M	31.78	46.00	-14.22	3	Vertical	0	1.00	-
2440MHz	Pass	PK	67.84M	35.15	40.00	-4.85	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	177.75M	33.75	43.50	-9.75	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	250.78M	37.84	46.00	-8.16	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	357.47M	32.99	46.00	-13.01	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	557.85M	38.91	46.00	-7.09	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	721.78M	33.78	46.00	-12.22	3	Horizontal	360	1.00	-

BT-BR(1Mbps)RX

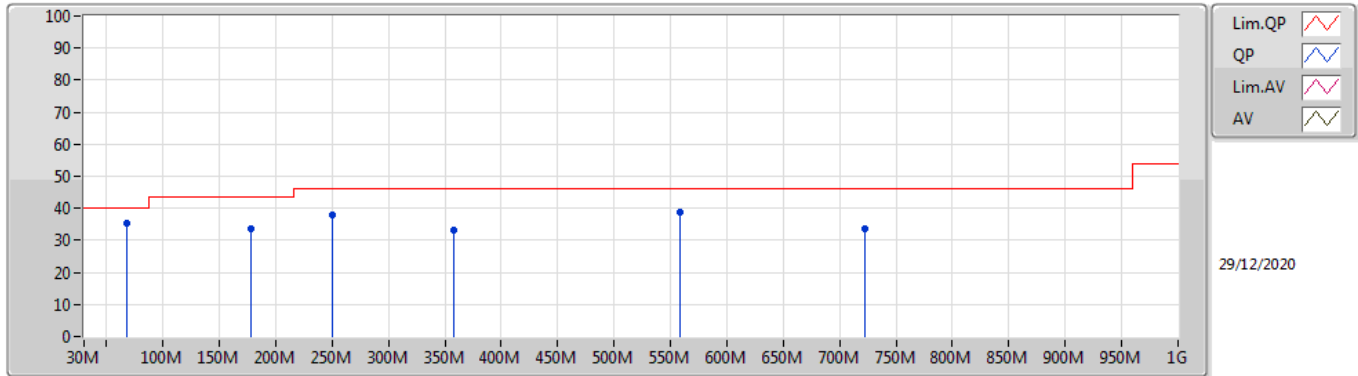
2440MHz_Test Fixture



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	33.78M	35.75	40.00	-4.25	-5.27	3	Vertical	0	1.00	-	41.02	21.39	0.90	27.56
PK	65.78M	30.10	40.00	-9.90	-14.74	3	Vertical	0	1.00	-	44.84	11.43	1.30	27.47
PK	201.57M	29.75	43.50	-13.75	-10.07	3	Vertical	0	1.00	-	39.82	14.53	2.31	26.91
PK	544.2M	34.78	46.00	-11.22	0.45	3	Vertical	0	1.00	-	34.33	24.56	3.88	27.99
PK	579.07M	32.88	46.00	-13.12	-0.05	3	Vertical	0	1.00	-	32.93	23.94	4.02	28.01
PK	721.55M	31.78	46.00	-14.22	1.37	3	Vertical	0	1.00	-	30.41	24.87	4.49	27.99

BT-BR(1Mbps)RX

2440MHz_Test Fixture



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	67.84M	35.15	40.00	-4.85	-14.72	3	Horizontal	360	1.00	-	49.87	11.44	1.30	27.46
PK	177.75M	33.75	43.50	-9.75	-10.25	3	Horizontal	360	1.00	-	44.00	14.60	2.18	27.03
PK	250.78M	37.84	46.00	-8.16	-6.27	3	Horizontal	360	1.00	-	44.11	17.84	2.60	26.71
PK	357.47M	32.99	46.00	-13.01	-3.97	3	Horizontal	360	1.00	-	36.96	19.89	3.13	26.99
PK	557.85M	38.91	46.00	-7.09	0.30	3	Horizontal	360	1.00	-	38.61	24.39	3.93	28.02
PK	721.78M	33.78	46.00	-12.22	1.38	3	Horizontal	360	1.00	-	32.40	24.88	4.49	27.99



Summary

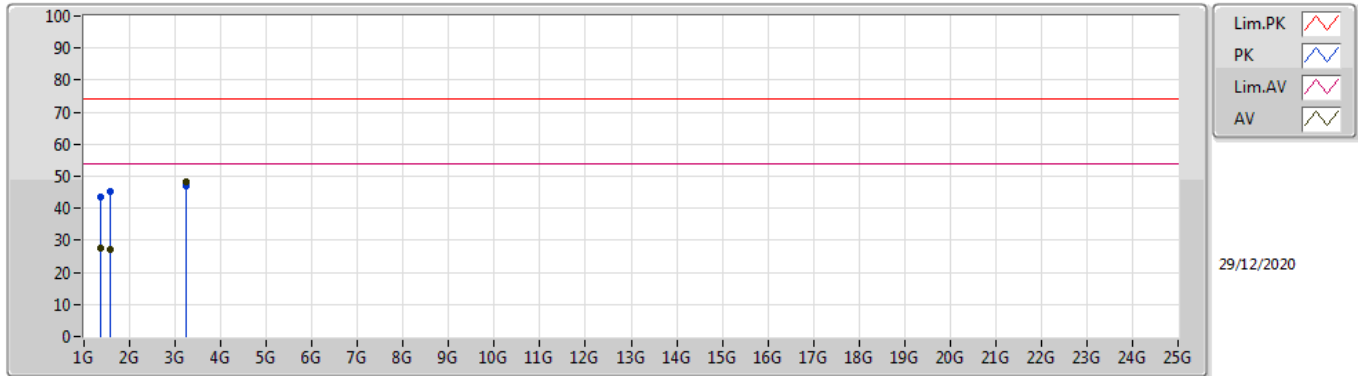
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	AV	3.24849G	48.97	54.00	-5.03	3	Horizontal	155	2.07	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	AV	1.357G	27.57	54.00	-26.43	3	Vertical	0	1.00	-
2440MHz	Pass	AV	1.586G	26.97	54.00	-27.03	3	Vertical	0	1.00	-
2440MHz	Pass	AV	3.24757G	48.47	54.00	-5.53	3	Vertical	255	1.22	-
2440MHz	Pass	PK	1.357G	43.75	74.00	-30.25	3	Vertical	0	1.00	-
2440MHz	Pass	PK	1.586G	45.41	74.00	-28.59	3	Vertical	0	1.00	-
2440MHz	Pass	PK	3.24757G	46.98	74.00	-27.02	3	Vertical	255	1.22	-
2440MHz	Pass	AV	1.3447G	28.09	54.00	-25.91	3	Horizontal	0	1.00	-
2440MHz	Pass	AV	1.579G	28.44	54.00	-25.56	3	Horizontal	0	1.00	-
2440MHz	Pass	AV	3.24849G	48.97	54.00	-5.03	3	Horizontal	155	2.07	-
2440MHz	Pass	PK	1.3447G	43.36	74.00	-30.64	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	1.579G	43.57	74.00	-30.43	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	3.24849G	50.28	74.00	-23.72	3	Horizontal	155	2.07	-

BT-BR(1Mbps)RX

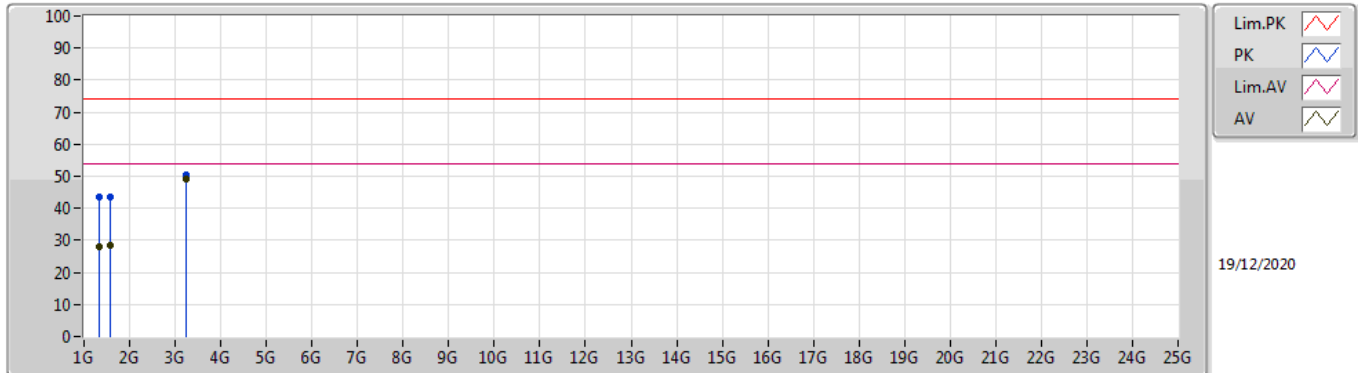
2440MHz_RX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.357G	27.57	54.00	-26.43	-2.19	3	Vertical	0	1.00	-	29.76	26.17	3.14	31.50
AV	1.586G	26.97	54.00	-27.03	-2.04	3	Vertical	0	1.00	-	29.01	25.36	3.39	30.79
AV	3.24757G	48.47	54.00	-5.53	4.17	3	Vertical	255	1.22	-	44.30	28.71	5.25	29.79
PK	1.357G	43.75	74.00	-30.25	-2.19	3	Vertical	0	1.00	-	45.94	26.17	3.14	31.50
PK	1.586G	45.41	74.00	-28.59	-2.04	3	Vertical	0	1.00	-	47.45	25.36	3.39	30.79
PK	3.24757G	46.98	74.00	-27.02	4.17	3	Vertical	255	1.22	-	42.81	28.71	5.25	29.79

BT-BR(1Mbps)RX

2440MHz_RX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.3447G	28.09	54.00	-25.91	-2.28	3	Horizontal	0	1.00	-	30.37	26.16	3.12	31.56
AV	1.579G	28.44	54.00	-25.56	-2.04	3	Horizontal	0	1.00	-	30.48	25.38	3.38	30.80
AV	3.24849G	48.97	54.00	-5.03	4.17	3	Horizontal	155	2.07	-	44.80	28.71	5.25	29.79
PK	1.3447G	43.36	74.00	-30.64	-2.28	3	Horizontal	0	1.00	-	45.64	26.16	3.12	31.56
PK	1.579G	43.57	74.00	-30.43	-2.04	3	Horizontal	0	1.00	-	45.61	25.38	3.38	30.80
PK	3.24849G	50.28	74.00	-23.72	4.17	3	Horizontal	155	2.07	-	46.11	28.71	5.25	29.79