FCC Test Report

FCC ID	:	**NM82Q9R100**
Equipment	:	**Headset**
Brand Name	:	**VIVE**
Model Name	:	**2Q9R100**
Applicant	:	**HTC Corporation No.88, Sec. 3, Zhongxing Rd., Xindian Dist., New Taipei City 231, Taiwan (R.O.C.)**
Manufacturer	:	**HTC Corporation No.23, Xinghua Rd., Taoyuan District, Taoyuan City, Taiwan 330**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Aug. 05, 2020, and testing was started from Aug. 12, 2020 and completed on Aug. 22, 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.)

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR073116-01AD	01	Initial issue of report	Sep. 07, 2020

Summary of Test Result

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

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and explanations:
None.

Reviewed by: Sam Tsai

Report Producer: Yunha Liou

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	-	-	Dipole	HRS
2	-	-	Dipole	HRS

Ant.	Port	Gain (dBi)					
		2.4G	5G				BT
			U-NII-1	U-NII-2A	U-NII-2C	U-NII-3	
1	1	1	1.5	1.5	2.0	2.0	1

Note 1: The EUT has two antennas.

For 2.4GHz function:

For IEEE 802.11 b/g/n/ax mode (2TX/2RX)

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

For BT function:

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

Ant. 1 (port 1) could transmit/receive.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax mode (2TX/2RX)

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC Adapter / 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) ≥ 1/T
BT-BR(1Mbps)	0.763	1.17	2.886m	1k
BT-EDR(2Mbps)	0.596	2.25	2.38m	1k
BT-EDR(3Mbps)	0.791	1.02	2.89m	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:

- 47 CFR FCC Part 15
- ANSI C63.10-2013

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

- KDB 558074 D01 v05r02
- KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Edward	22.5~24.3°C / 54~58%	22/Aug/2020
RF Conducted	TH06-HY	Vivi	20.1~26.5°C / 50~60%	12/Aug/2020~ 19/Aug/2020
Radiated	03CH03-HY	Edward	20.1~24.9°C / 56~66%	14/Aug/2020~ 17/Aug/2020

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V

2.2 Test Channel Mode

Test Software Version	QRCT_4.0.00147.0

Mode	Power Setting
BT-BR(1Mbps)	-
2402MHz	10
2440MHz	10
2480MHz	10
BT-EDR(2Mbps)	-
2402MHz	10
2440MHz	10
2480MHz	10
BT-EDR(3Mbps)	-
2402MHz	10
2440MHz	10
2480MHz	10

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	1. USB mode; CTX
	2. Adapter Charging mode; Normal

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)

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	1. USB mode; CTX		
	2. Adapter Charging mode; Normal		
Operating Mode > 1GHz	1. USB mode; CTX		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT		V	

2.4 Accessories

Accessories				
AC Adapter	**Brand Name**	hTC	**Model Name**	TC P5000-US
	Power Rating	I/P:100 - 240 Vac, 500mA, O/P: 5Vdc, 2500mA		
Battery	**Brand Name**	hTC	**Model Name**	B2PXH100
	Power Rating	3.85Vdc, 4000mAh	**Type**	Li-ion
USB Cable 1	**Brand Name**	LUXSHARE-ICT	**Model Name**	DC M700
	Signal Line	1.15 meter, non-shielded cable, w/o ferrite core		
USB Cable 2	**Brand Name**	Panpei	**Model Name**	DC M700
	Signal Line	1.15 meter, non-shielded cable, w/o ferrite core		
Controller	**Brand Name**	VIVE	**Model Name**	2Q6M200

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

2.5 Support Equipment

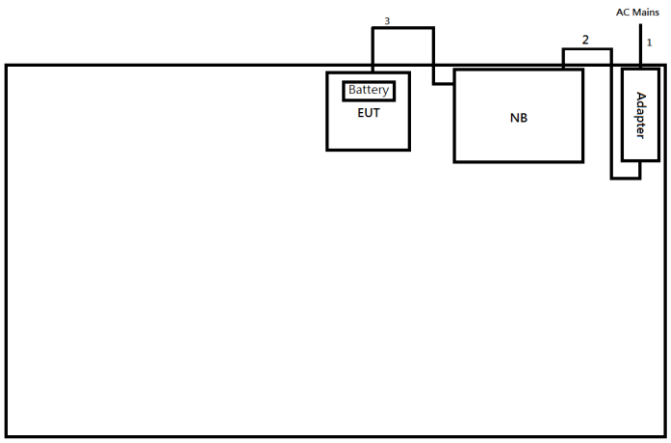
Support Equipment – AC Conduction / Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	HP	5220m	-	-
2	Adapter for NB	HP	PPP012H-S	-	-

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

Note: No.3 was provided by customer.

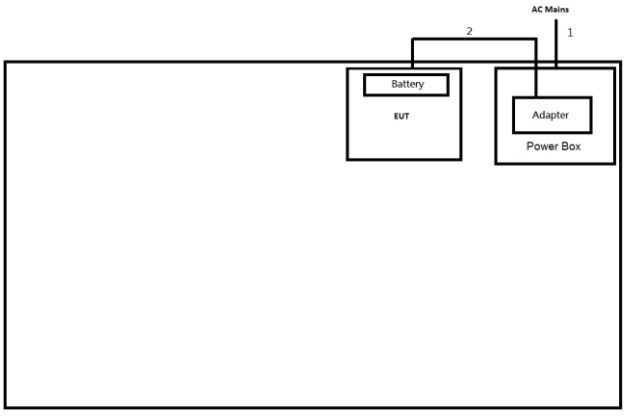
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test - USB Mode; CTX



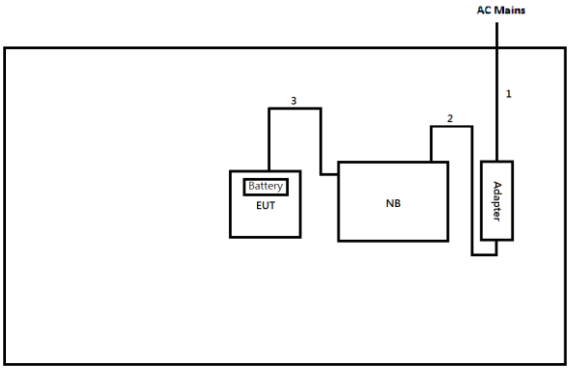
Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-
3	USB cable	No	1.0	-

Test Setup Diagram – AC Line Conducted Emission Test - Adapter Charging Mode; Normal



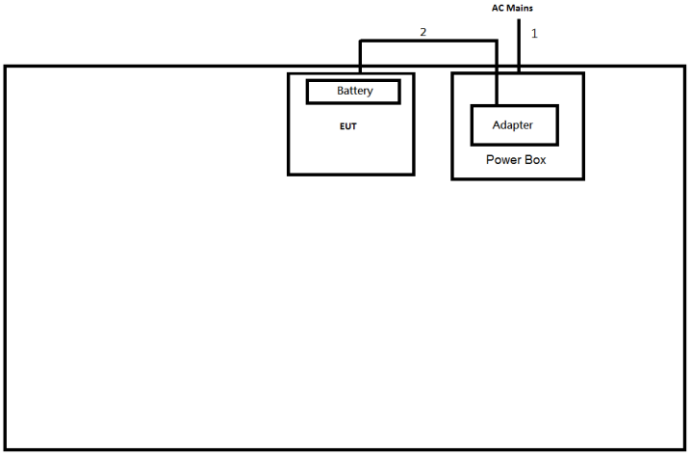
Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	USB Cable	No	1.0	-

Test Setup Diagram - Radiated Test - USB mode; CTX



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-
3	USB cable	No	1.0	-

Test Setup Diagram - Radiated Test - Adapter Charging mode; Normal



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	USB Cable	No	1.0	-

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

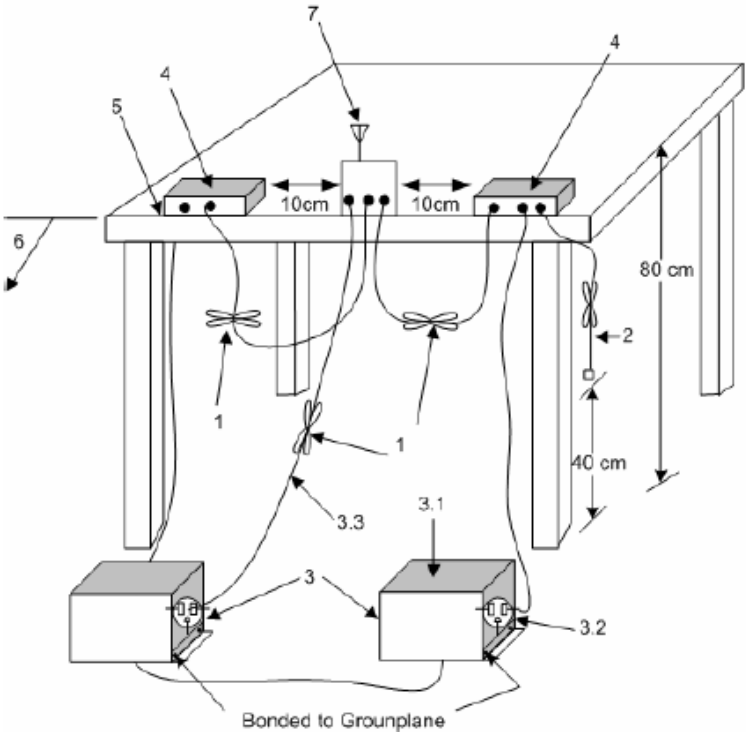
Test Method
▪ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

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 ≥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	

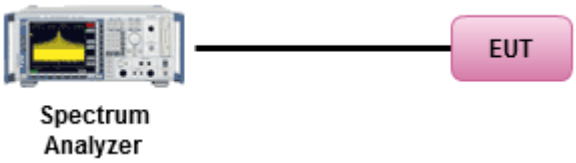
3.2.2 Measuring Instruments

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

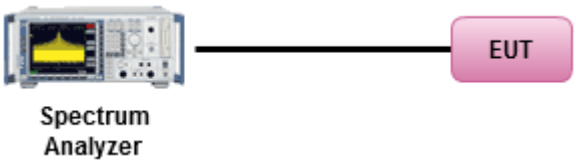
3.4.3 Measuring Instruments

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	

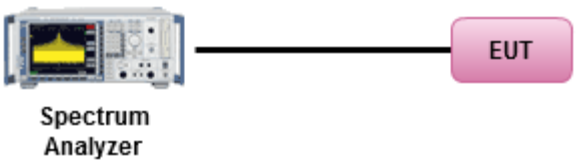
3.5.2 Measuring Instruments

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)


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.	

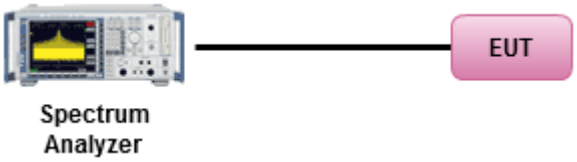
3.6.2 Measuring Instruments

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

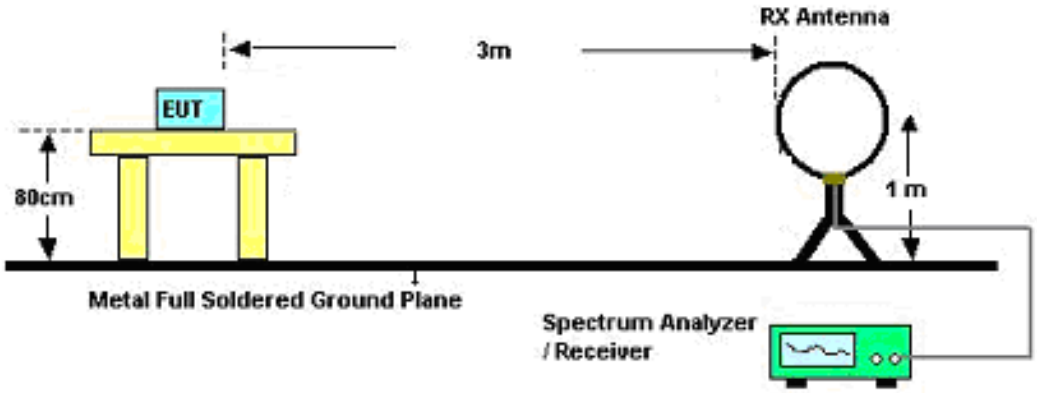
3.7.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

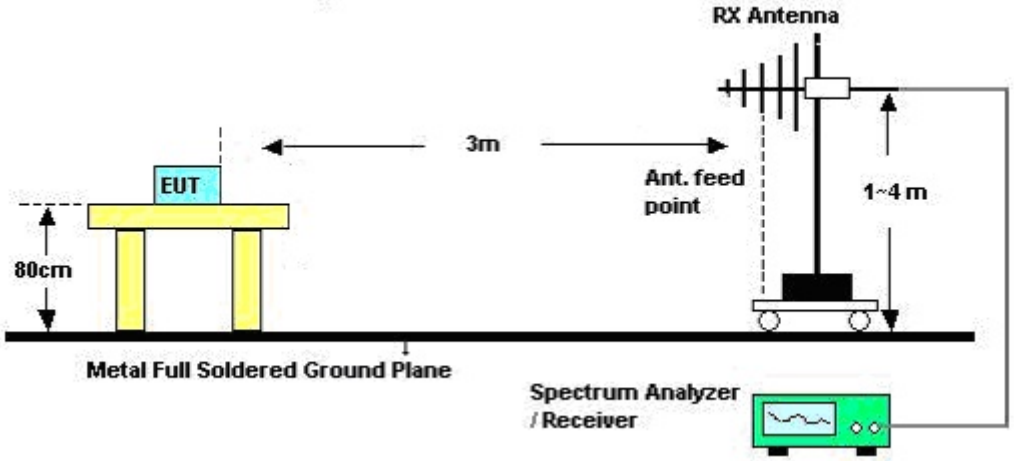
3.7.5 Test Setup

Emissions in Restricted Frequency Bands

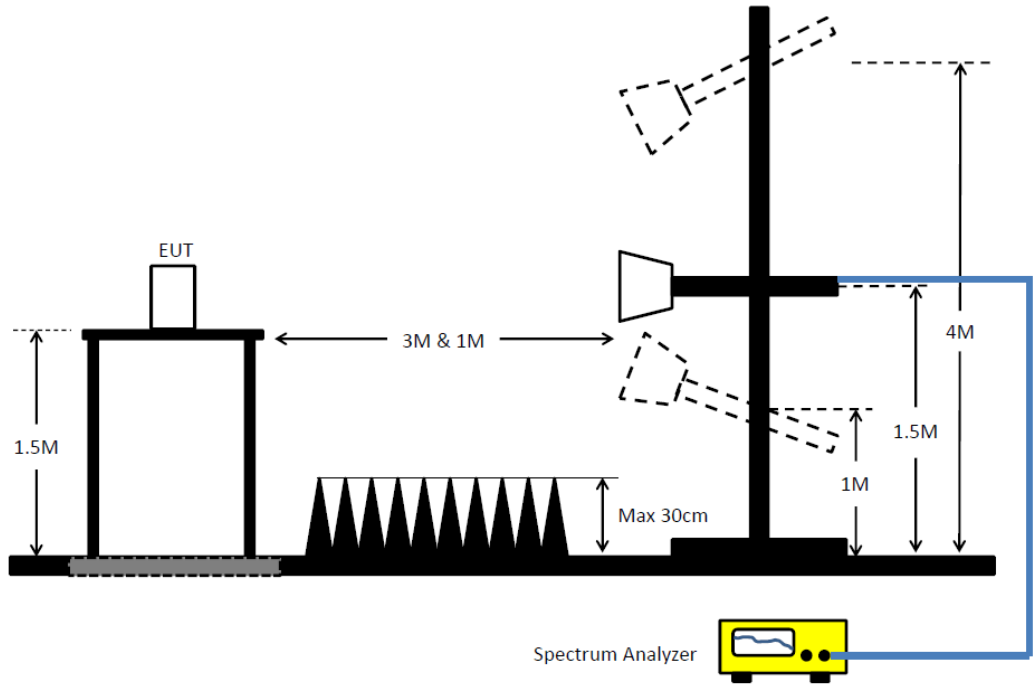
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



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

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	29/May/2020	28/May/2021
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	05/Nov/2019	04/Nov/2020
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	23/Sep/2019	22/Sep/2020
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	24/Sep/2019	23/Sep/2020

NCR: Non-Calibration Require

Instrument for Conducted Test

Instrument	Manufacturer	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	12/Nov/2018	11/Nov/2020
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	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
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	14/Apr/2020	13/Apr/2021
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270196	1GHz ~ 26.5GHz	09/Sep/2019	08/Sep/2020
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz ~ 1GHz	19/Apr/2020	18/Apr/2021
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz ~ 18GHz	26/Mar/2020	25/Mar/2021
RF Cable-R03m	Jye Bao	RG142	CB021	30MHz ~ 1GHz	18/Mar/2020	17/Mar/2021
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	SN 805801/4+SN 804300/4	1GHz ~ 40GHz	18/Mar/2020	17/Mar/2021
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz ~ 40GHz	13/Mar/2020	12/Mar/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz ~ 30MHz	16/Mar/2020	15/Mar/2021
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	29/May/2020	28/May/2021
Signal Analyzer	R&S	FSV 40	101515	10Hz ~ 40GHz	15/Feb/2020	14/Feb/2021

Summary

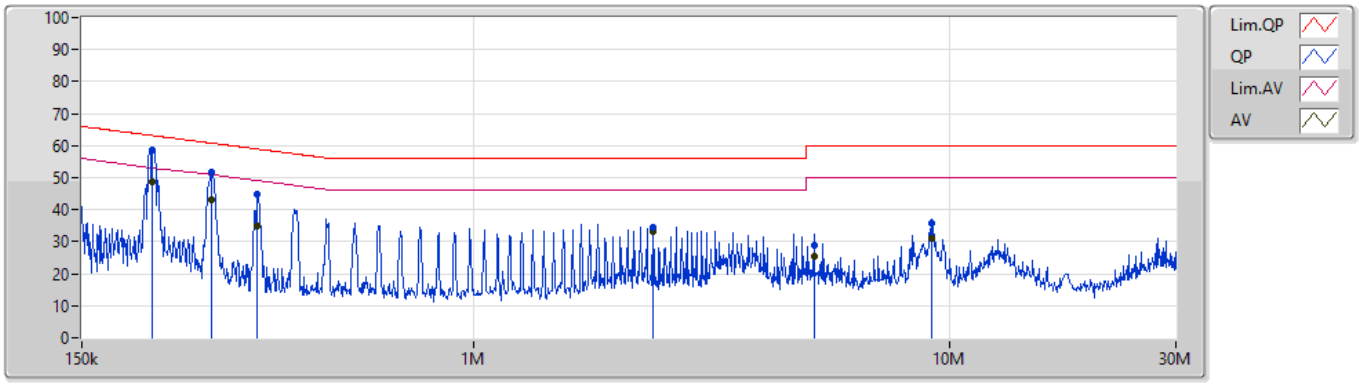
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	211.442k	58.81	63.15	-4.34	Line

Mode Configure

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	211.442k	58.81	63.15	-4.34	Line	"Worst"
Mode 1	Pass	AV	211.442k	48.72	53.15	-4.43	Line	-
Mode 1	Pass	QP	281.85k	51.85	60.76	-8.91	Line	-
Mode 1	Pass	AV	281.85k	43.25	50.76	-7.51	Line	-
Mode 1	Pass	QP	351.053k	44.85	58.94	-14.09	Line	-
Mode 1	Pass	AV	351.053k	34.99	48.94	-13.95	Line	-
Mode 1	Pass	QP	2.385M	34.61	56.00	-21.39	Line	-
Mode 1	Pass	AV	2.385M	33.22	46.00	-12.78	Line	-
Mode 1	Pass	QP	5.196M	28.93	60.00	-31.07	Line	-
Mode 1	Pass	AV	5.196M	25.48	50.00	-24.52	Line	-
Mode 1	Pass	QP	9.195M	35.91	60.00	-24.09	Line	-
Mode 1	Pass	AV	9.195M	30.86	50.00	-19.14	Line	-
Mode 1	Pass	QP	210.599k	58.04	63.19	-5.15	Neutral	-
Mode 1	Pass	AV	210.599k	48.10	53.19	-5.09	Neutral	"Worst"
Mode 1	Pass	QP	280.727k	51.21	60.80	-9.59	Neutral	-
Mode 1	Pass	AV	280.727k	42.04	50.80	-8.76	Neutral	-
Mode 1	Pass	QP	352.457k	42.85	58.91	-16.06	Neutral	-
Mode 1	Pass	AV	352.457k	33.59	48.91	-15.32	Neutral	-
Mode 1	Pass	QP	3.296M	32.86	56.00	-23.14	Neutral	-
Mode 1	Pass	AV	3.296M	31.35	46.00	-14.65	Neutral	-
Mode 1	Pass	QP	8.977M	35.14	60.00	-24.86	Neutral	-
Mode 1	Pass	AV	8.977M	29.34	50.00	-20.66	Neutral	-
Mode 1	Pass	QP	28.685M	27.96	60.00	-32.04	Neutral	-
Mode 1	Pass	AV	28.685M	23.09	50.00	-26.91	Neutral	-

22/08/2020

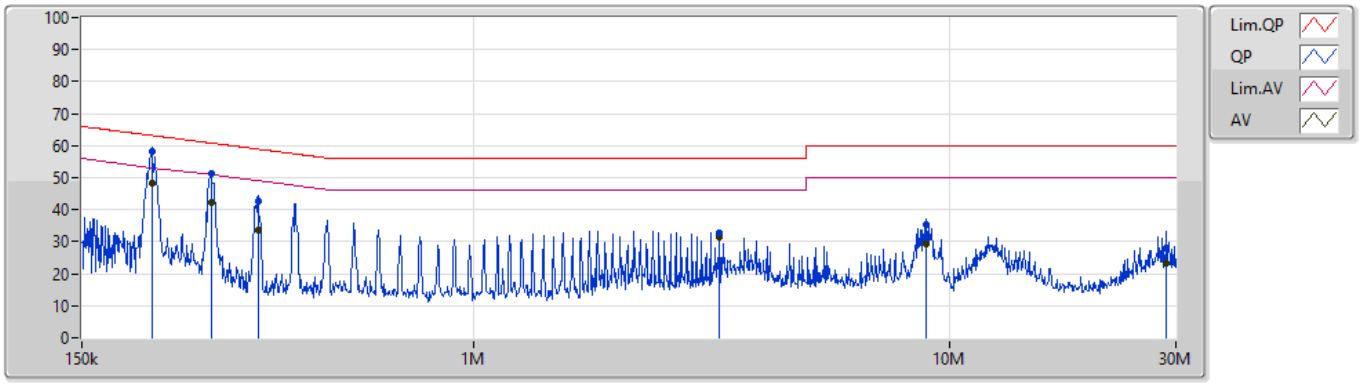
Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	211.442k	58.81	63.15	-4.34	19.63	Line	"Worst"	39.18	9.65	0.11	9.87
AV	211.442k	48.72	53.15	-4.43	19.63	Line	-	29.09	9.65	0.11	9.87
QP	281.85k	51.85	60.76	-8.91	19.64	Line	-	32.21	9.65	0.12	9.87
AV	281.85k	43.25	50.76	-7.51	19.64	Line	-	23.61	9.65	0.12	9.87
QP	351.053k	44.85	58.94	-14.09	19.64	Line	-	25.21	9.64	0.13	9.87
AV	351.053k	34.99	48.94	-13.95	19.64	Line	-	15.35	9.64	0.13	9.87
QP	2.385M	34.61	56.00	-21.39	19.67	Line	-	14.94	9.65	0.15	9.87
AV	2.385M	33.22	46.00	-12.78	19.67	Line	-	13.55	9.65	0.15	9.87
QP	5.196M	28.93	60.00	-31.07	19.76	Line	-	9.17	9.67	0.21	9.88
AV	5.196M	25.48	50.00	-24.52	19.76	Line	-	5.72	9.67	0.21	9.88
QP	9.195M	35.91	60.00	-24.09	19.83	Line	-	16.08	9.69	0.26	9.88
AV	9.195M	30.86	50.00	-19.14	19.83	Line	-	11.03	9.69	0.26	9.88

Conducted Emissions at Powerline_Mode 1

22/08/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	210.599k	58.04	63.19	-5.15	19.62	Neutral	-	38.42	9.64	0.11	9.87
AV	210.599k	48.10	53.19	-5.09	19.62	Neutral	"Worst"	28.48	9.64	0.11	9.87
QP	280.727k	51.21	60.80	-9.59	19.63	Neutral	-	31.58	9.64	0.12	9.87
AV	280.727k	42.04	50.80	-8.76	19.63	Neutral	-	22.41	9.64	0.12	9.87
QP	352.457k	42.85	58.91	-16.06	19.63	Neutral	-	23.22	9.63	0.13	9.87
AV	352.457k	33.59	48.91	-15.32	19.63	Neutral	-	13.96	9.63	0.13	9.87
QP	3.296M	32.86	56.00	-23.14	19.71	Neutral	-	13.15	9.66	0.17	9.88
AV	3.296M	31.35	46.00	-14.65	19.71	Neutral	-	11.64	9.66	0.17	9.88
QP	8.977M	35.14	60.00	-24.86	19.84	Neutral	-	15.30	9.70	0.26	9.88
AV	8.977M	29.34	50.00	-20.66	19.84	Neutral	-	9.50	9.70	0.26	9.88
QP	28.685M	27.96	60.00	-32.04	19.99	Neutral	-	7.97	9.67	0.44	9.88
AV	28.685M	23.09	50.00	-26.91	19.99	Neutral	-	3.10	9.67	0.44	9.88

Summary

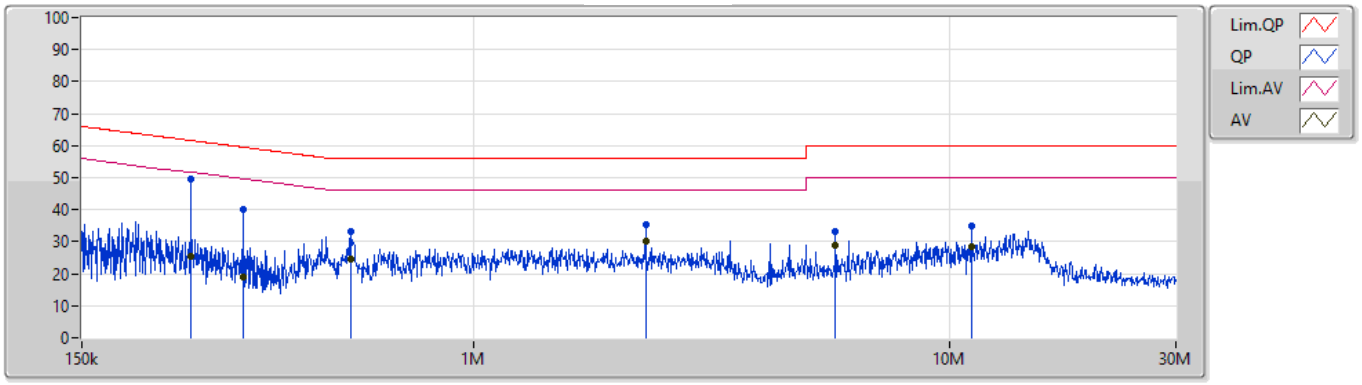
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	AV	2.301M	34.18	46.00	-11.82	Neutral

Mode Configure

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 2	Pass	QP	254.063k	49.49	61.62	-12.13	Line	"Worst"
Mode 2	Pass	AV	254.063k	25.48	51.62	-26.14	Line	-
Mode 2	Pass	QP	326.712k	40.16	59.54	-19.38	Line	-
Mode 2	Pass	AV	326.712k	18.88	49.54	-30.66	Line	-
Mode 2	Pass	QP	553.37k	33.26	56.00	-22.74	Line	-
Mode 2	Pass	AV	553.37k	24.54	46.00	-21.46	Line	-
Mode 2	Pass	QP	2.301M	35.44	56.00	-20.56	Line	-
Mode 2	Pass	AV	2.301M	30.33	46.00	-15.67	Line	-
Mode 2	Pass	QP	5.764M	33.36	60.00	-26.64	Line	-
Mode 2	Pass	AV	5.764M	28.89	50.00	-21.11	Line	-
Mode 2	Pass	QP	11.137M	34.95	60.00	-25.05	Line	-
Mode 2	Pass	AV	11.137M	28.28	50.00	-21.72	Line	-
Mode 2	Pass	QP	158.622k	33.44	65.54	-32.10	Neutral	-
Mode 2	Pass	AV	158.622k	21.35	55.54	-34.19	Neutral	-
Mode 2	Pass	QP	548.969k	36.65	56.00	-19.35	Neutral	-
Mode 2	Pass	AV	548.969k	23.90	46.00	-22.10	Neutral	-
Mode 2	Pass	QP	1.154M	35.38	56.00	-20.62	Neutral	-
Mode 2	Pass	AV	1.154M	26.74	46.00	-19.26	Neutral	-
Mode 2	Pass	QP	2.301M	40.64	56.00	-15.36	Neutral	-
Mode 2	Pass	AV	2.301M	34.18	46.00	-11.82	Neutral	"Worst"
Mode 2	Pass	QP	6.144M	38.12	60.00	-21.88	Neutral	-
Mode 2	Pass	AV	6.144M	30.49	50.00	-19.51	Neutral	-
Mode 2	Pass	QP	13.983M	35.84	60.00	-24.16	Neutral	-
Mode 2	Pass	AV	13.983M	27.78	50.00	-22.22	Neutral	-

Conducted Emissions at Powerline

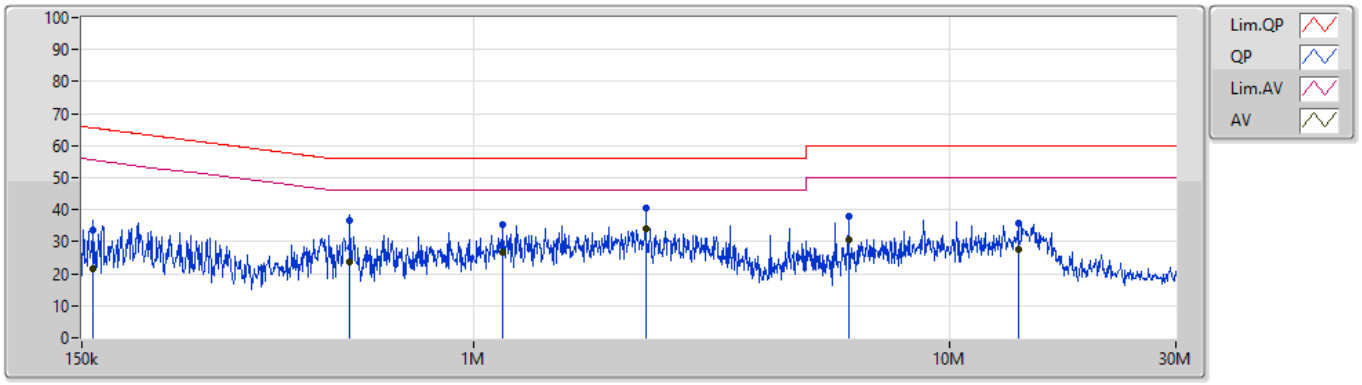
22/08/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	254.063k	49.49	61.62	-12.13	19.64	Line	"Worst"	29.85	9.65	0.12	9.87
AV	254.063k	25.48	51.62	-26.14	19.64	Line	-	5.84	9.65	0.12	9.87
QP	326.712k	40.16	59.54	-19.38	19.63	Line	-	20.53	9.64	0.12	9.87
AV	326.712k	18.88	49.54	-30.66	19.63	Line	-	-0.75	9.64	0.12	9.87
QP	553.37k	33.26	56.00	-22.74	19.63	Line	-	13.63	9.64	0.12	9.87
AV	553.37k	24.54	46.00	-21.46	19.63	Line	-	4.91	9.64	0.12	9.87
QP	2.301M	35.44	56.00	-20.56	19.67	Line	-	15.77	9.65	0.15	9.87
AV	2.301M	30.33	46.00	-15.67	19.67	Line	-	10.66	9.65	0.15	9.87
QP	5.764M	33.36	60.00	-26.64	19.77	Line	-	13.59	9.67	0.22	9.88
AV	5.764M	28.89	50.00	-21.11	19.77	Line	-	9.12	9.67	0.22	9.88
QP	11.137M	34.95	60.00	-25.05	19.84	Line	-	15.11	9.68	0.28	9.88
AV	11.137M	28.28	50.00	-21.72	19.84	Line	-	8.44	9.68	0.28	9.88

Conducted Emissions at Powerline

22/08/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	158.622k	33.44	65.54	-32.10	19.63	Neutral	-	13.81	9.65	0.11	9.87
AV	158.622k	21.35	55.54	-34.19	19.63	Neutral	-	1.72	9.65	0.11	9.87
QP	548.969k	36.65	56.00	-19.35	19.62	Neutral	-	17.03	9.63	0.12	9.87
AV	548.969k	23.90	46.00	-22.10	19.62	Neutral	-	4.28	9.63	0.12	9.87
QP	1.154M	35.38	56.00	-20.62	19.63	Neutral	-	15.75	9.63	0.12	9.88
AV	1.154M	26.74	46.00	-19.26	19.63	Neutral	-	7.11	9.63	0.12	9.88
QP	2.301M	40.64	56.00	-15.36	19.67	Neutral	-	20.97	9.65	0.15	9.87
AV	2.301M	34.18	46.00	-11.82	19.67	Neutral	"Worst"	14.51	9.65	0.15	9.87
QP	6.144M	38.12	60.00	-21.88	19.78	Neutral	-	18.34	9.68	0.22	9.88
AV	6.144M	30.49	50.00	-19.51	19.78	Neutral	-	10.71	9.68	0.22	9.88
QP	13.983M	35.84	60.00	-24.16	19.89	Neutral	-	15.95	9.71	0.30	9.88
AV	13.983M	27.78	50.00	-22.22	19.89	Neutral	-	7.89	9.71	0.30	9.88

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)	882.5k	837.581k	838KF1D	857.5k	823.588k
BT-EDR(2Mbps)	1.309M	1.193M	1M19G1D	1.306M	1.186M
BT-EDR(3Mbps)	1.283M	1.203M	1M20G1D	1.26M	1.202M

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;

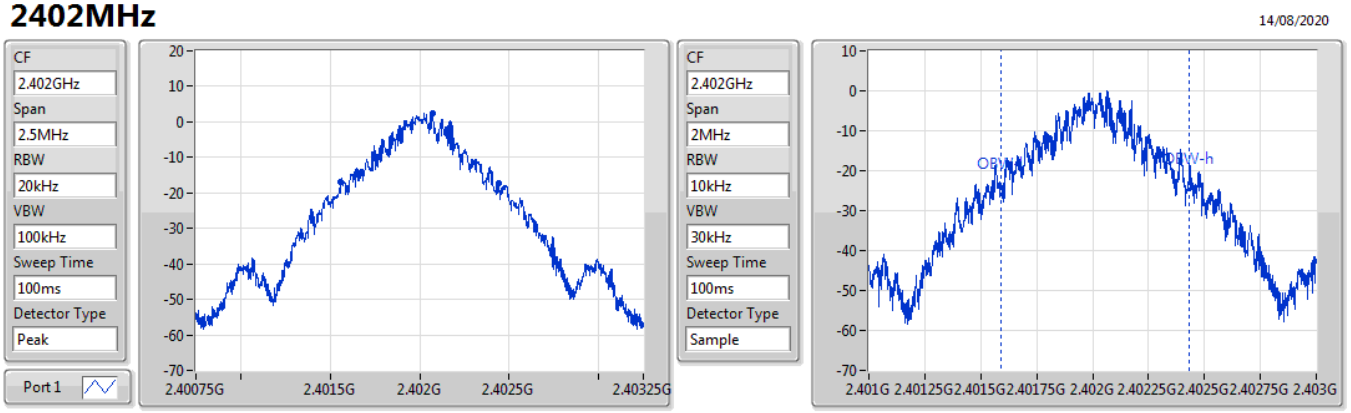
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	880k	837.581k
2440MHz	Pass	Inf	857.5k	831.584k
2480MHz	Pass	Inf	882.5k	823.588k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.306M	1.186M
2440MHz	Pass	Inf	1.308M	1.19M
2480MHz	Pass	Inf	1.309M	1.193M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.26M	1.203M
2440MHz	Pass	Inf	1.28M	1.202M
2480MHz	Pass	Inf	1.283M	1.203M

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

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

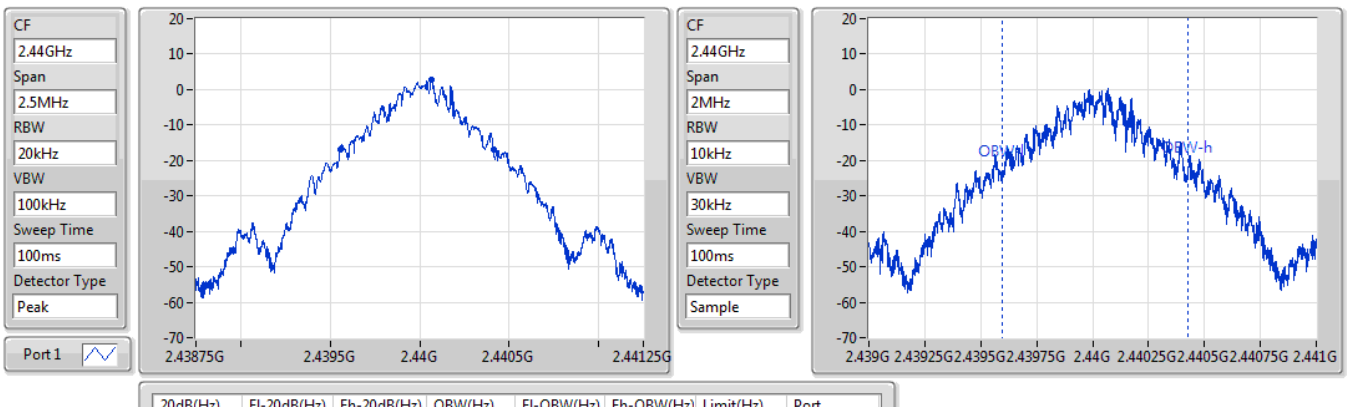
2402MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
880k	2.401559G	2.402439G	837.581k	2.401592G	2.40243G	Inf	1

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

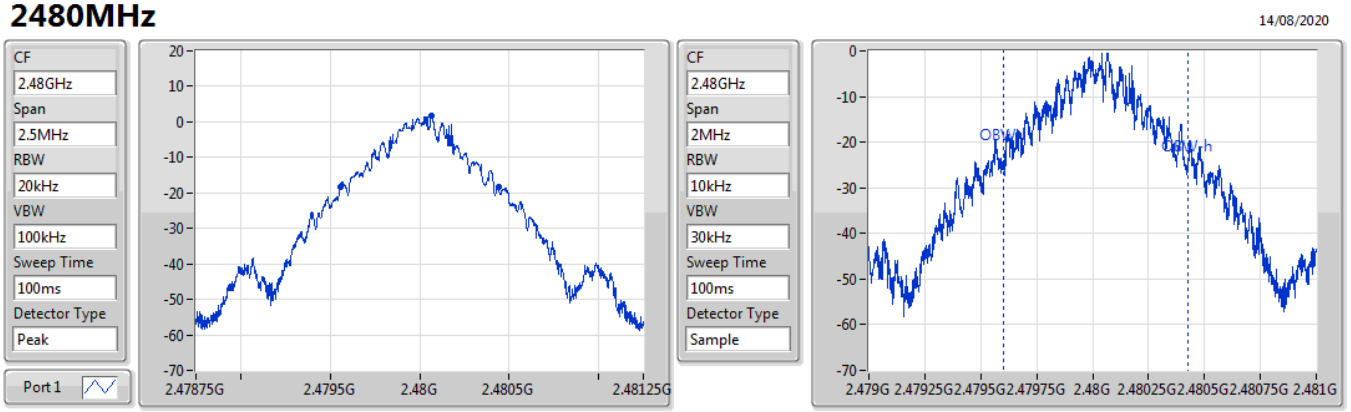
2440MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
857.5k	2.439556G	2.440414G	831.584k	2.439594G	2.440426G	Inf	1

BT-BR(1Mbps) EBW-FS

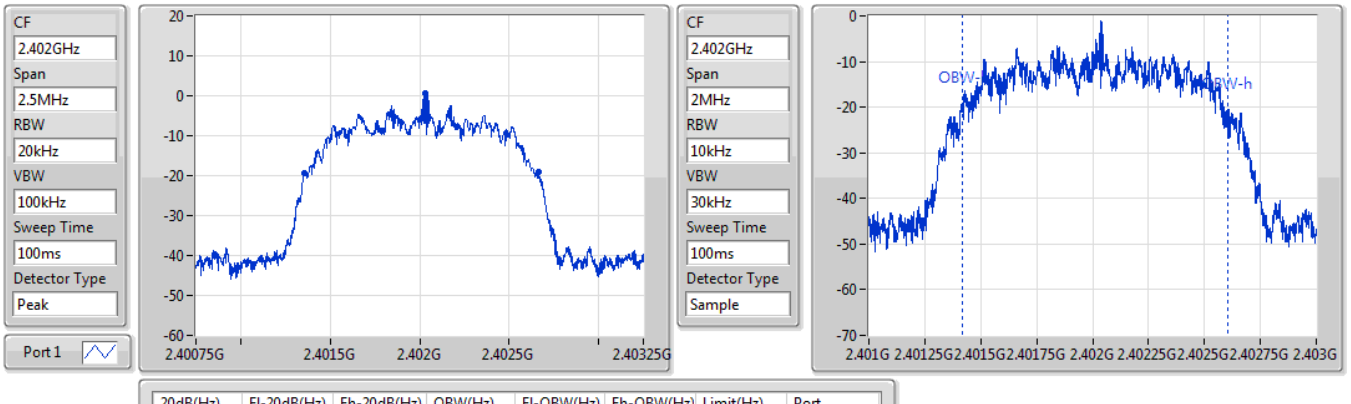
2480MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
882.5k	2.479558G	2.48044G	823.588k	2.4796G	2.480424G	Inf	1

BT-EDR(2Mbps) EBW-FS

2402MHz

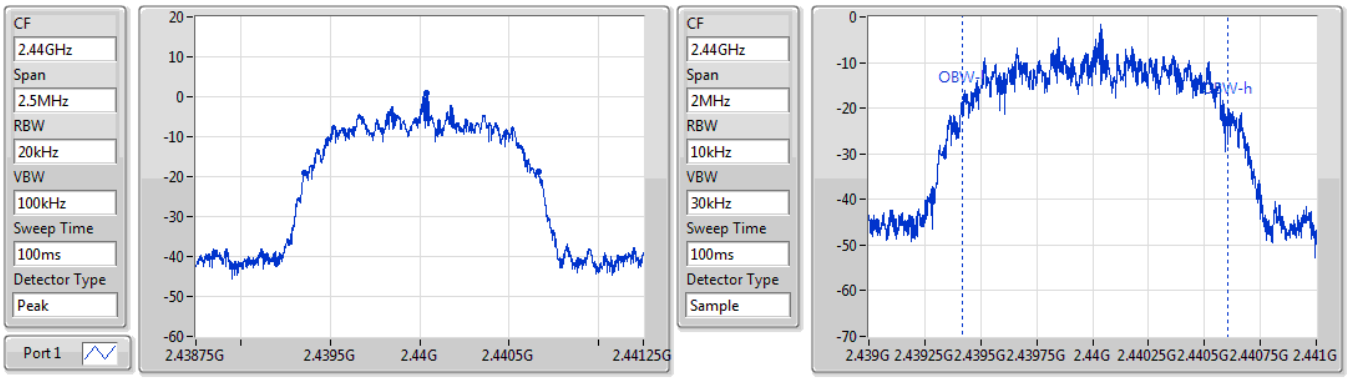


20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.306M	2.401358G	2.402664G	1.186M	2.401417G	2.402604G	Inf	1

BT-EDR(2Mbps) EBW-FS

2440MHz

14/08/2020

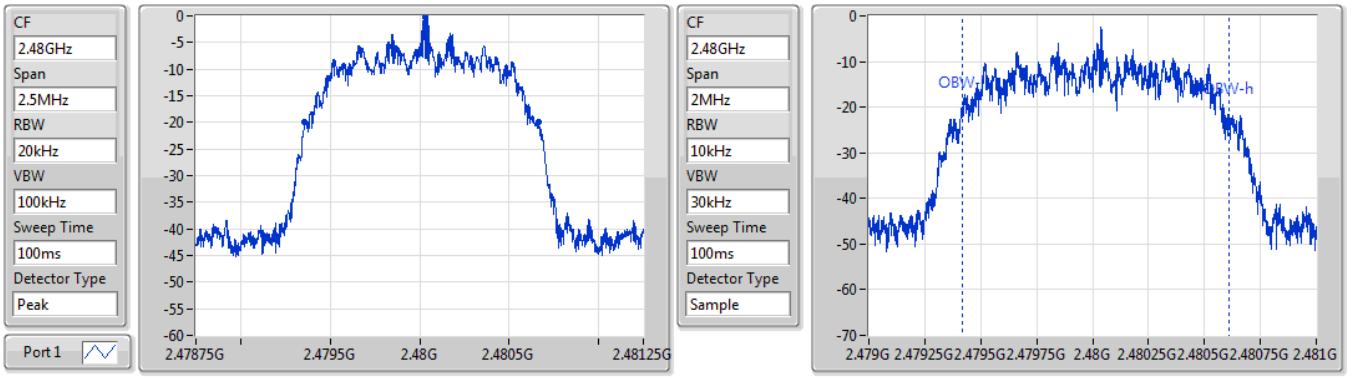


20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.308M	2.439355G	2.440663G	1.19M	2.439416G	2.440607G	Inf	1

BT-EDR(2Mbps) EBW-FS

2480MHz

14/08/2020

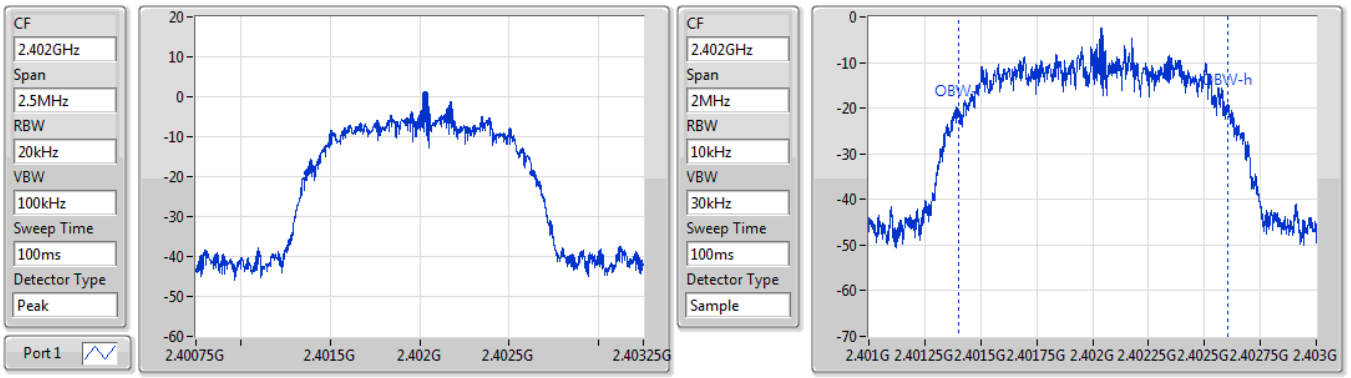


20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.309M	2.479356G	2.480665G	1.193M	2.479415G	2.480609G	Inf	1

BT-EDR(3Mbps) EBW-FS

2402MHz

14/08/2020

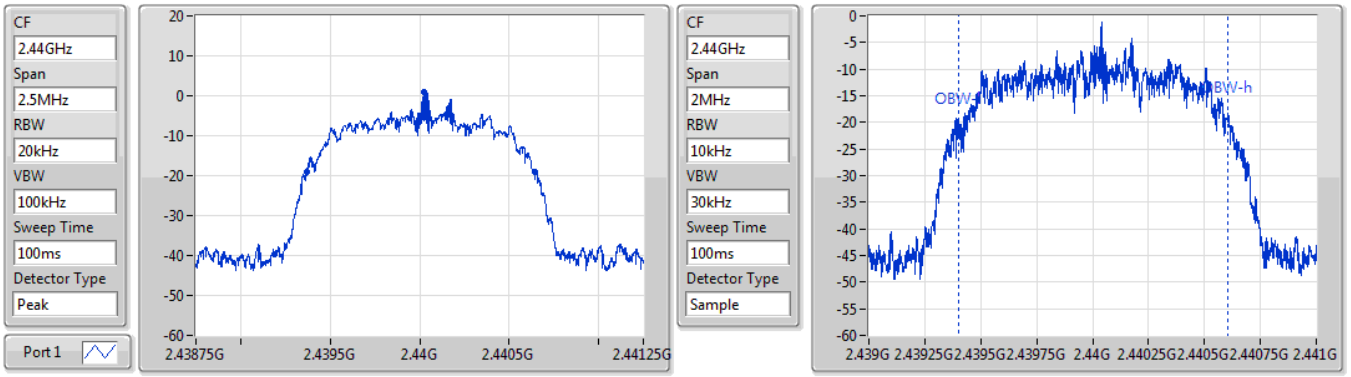


20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.26M	2.401369G	2.402629G	1.203M	2.401401G	2.402605G	Inf	1

BT-EDR(3Mbps) EBW-FS

2440MHz

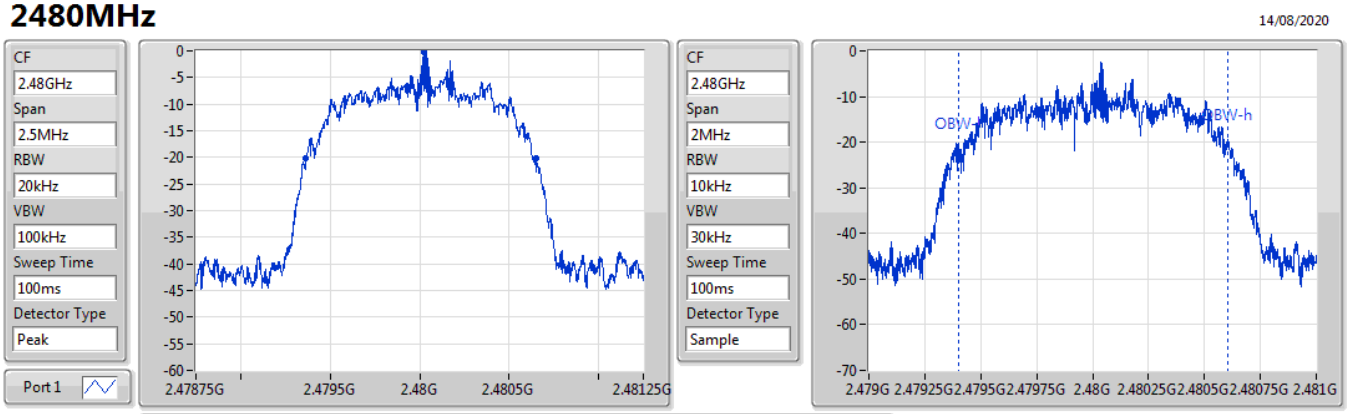
14/08/2020



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.28M	2.439368G	2.440648G	1.202M	2.439403G	2.440606G	Inf	1

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

2480MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.283M	2.479366G	2.480649G	1.203M	2.479403G	2.480607G	Inf	1

Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	1.002M	997.5k
BT-EDR(2Mbps)	1.002M	996k
BT-EDR(3Mbps)	1.0005M	996k

Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.402025G	2.403027G	1.002M	586.08k
2440MHz	Pass	2.440026G	2.441027G	1.0005M	571.095k
2480MHz	Pass	2.479028G	2.480025G	997.5k	587.745k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.402031G	2.403027G	996k	869.796k
2440MHz	Pass	2.440026G	2.441028G	1.002M	871.128k
2480MHz	Pass	2.479028G	2.480028G	1.0005M	871.794k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.402028G	2.403028G	1.0005M	839.16k
2440MHz	Pass	2.440026G	2.441027G	1.0005M	852.48k
2480MHz	Pass	2.479029G	2.480025G	996k	854.478k

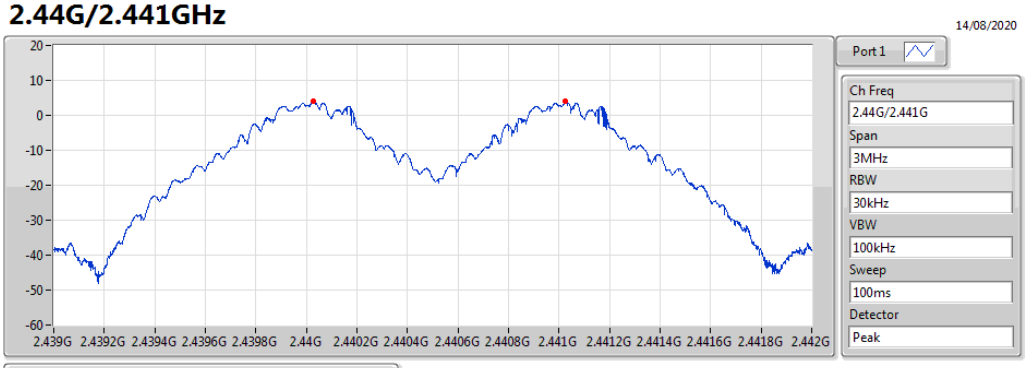
BT-BR(1Mbps) **Channel Separation-FS**

2.402G/2.403GHz

Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.402025G	2.403027G	1.002M	586.08k

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

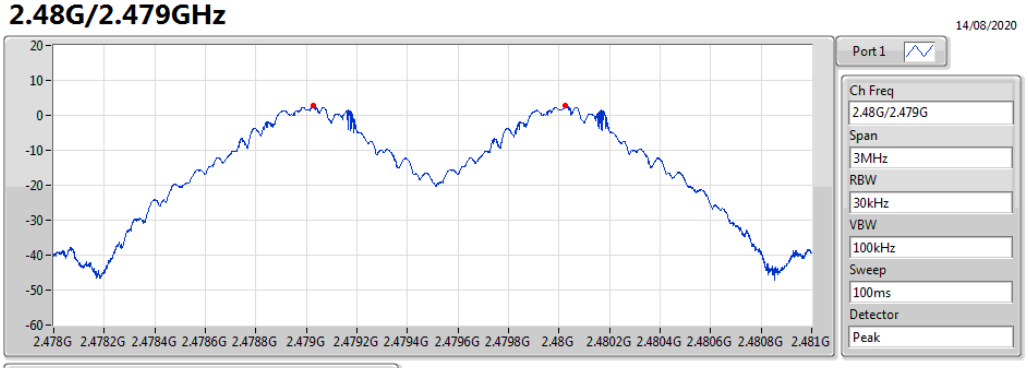
2.44G/2.441GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.440026G	2.441027G	1.0005M	571.095k

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

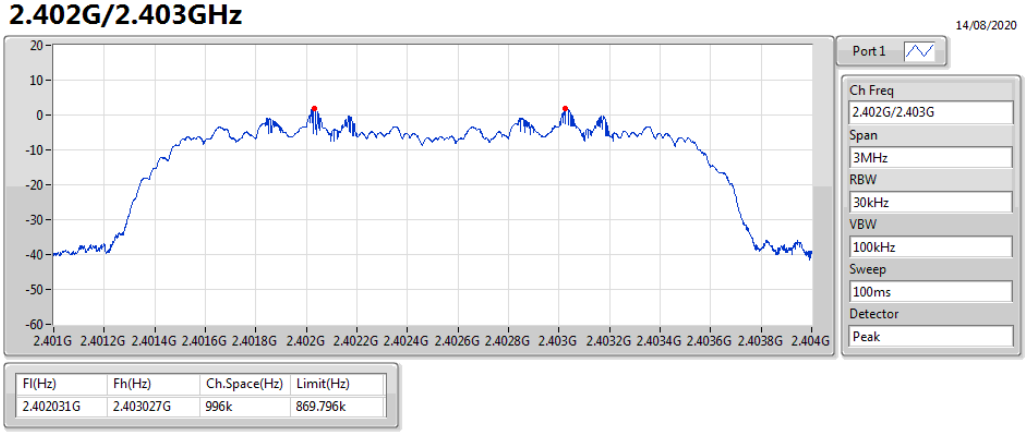
2.48G/2.479GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479028G	2.480025G	997.5k	587.745k

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

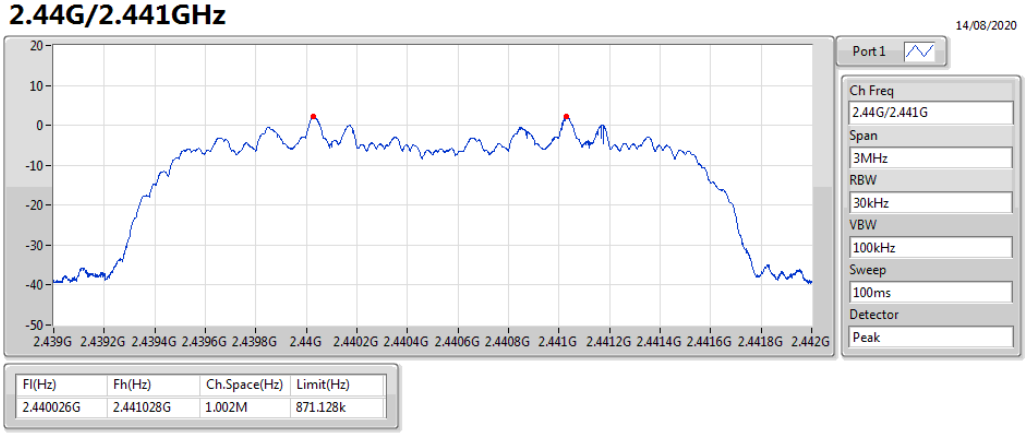
2.402G/2.403GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.402031G	2.403027G	996k	869.796k

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

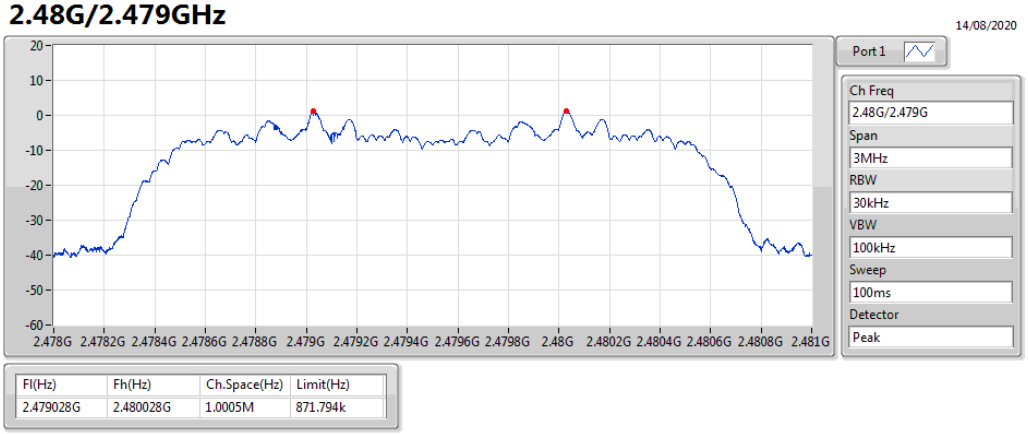
2.44G/2.441GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.440026G	2.441028G	1.002M	871.128k

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

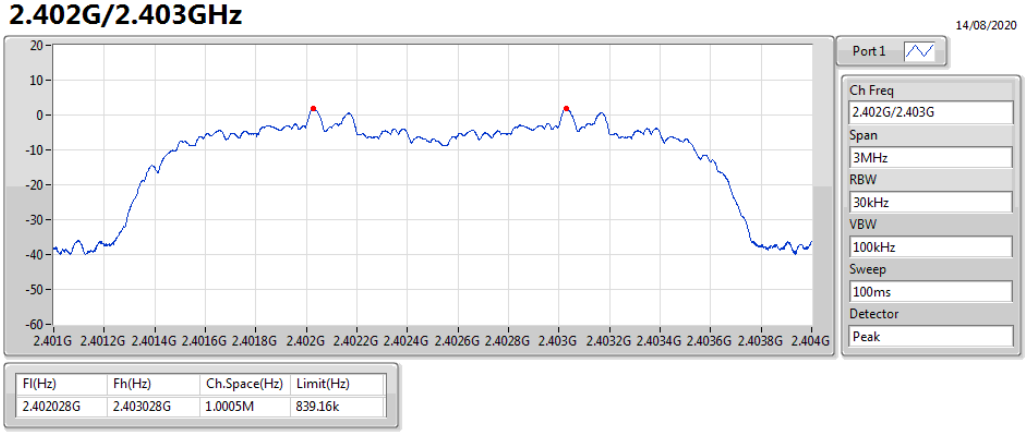
2.48G/2.479GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479028G	2.480028G	1.0005M	871.794k

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

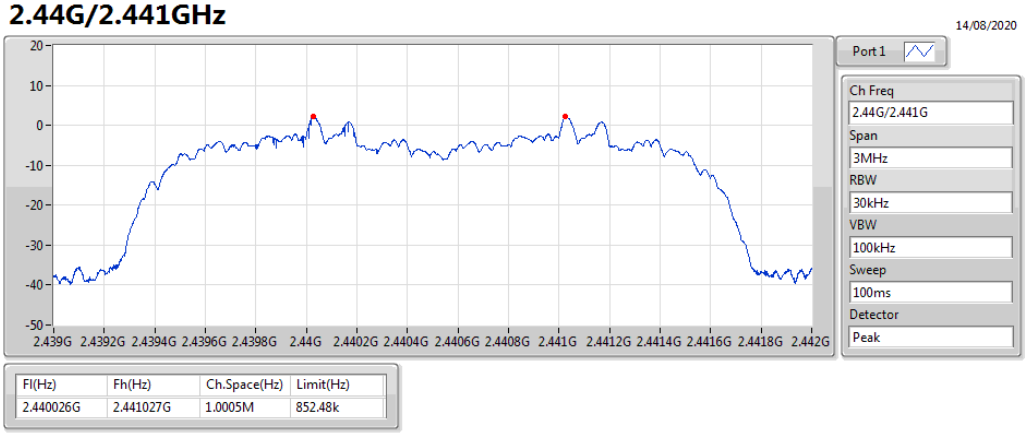
2.402G/2.403GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.402028G	2.403028G	1.0005M	839.16k

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

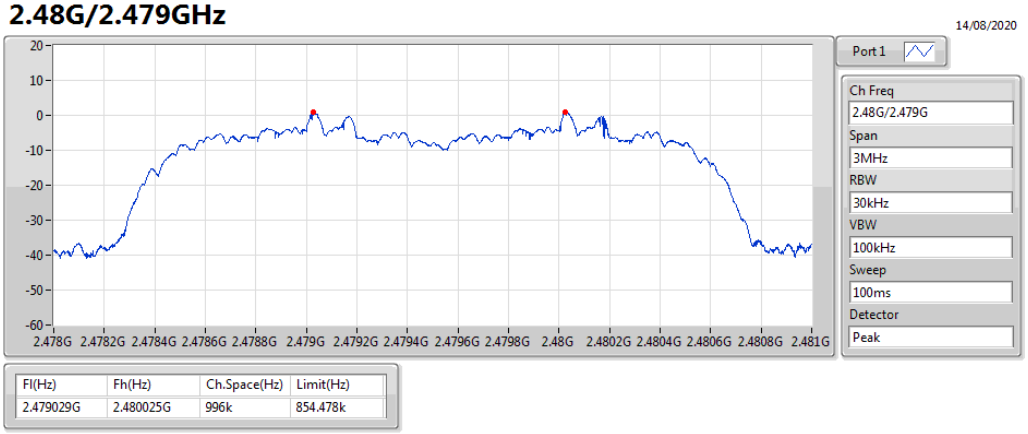
2.44G/2.441GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.440026G	2.441027G	1.0005M	852.48k

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

2.48G/2.479GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479029G	2.480025G	996k	854.478k

Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	6.98	0.00499
BT-EDR(2Mbps)	6.17	0.00414
BT-EDR(3Mbps)	6.50	0.00447

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	1.00	6.69	21.00
2440MHz	Pass	1.00	6.98	21.00
2480MHz	Pass	1.00	5.98	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	1.00	5.83	21.00
2440MHz	Pass	1.00	6.17	21.00
2480MHz	Pass	1.00	5.01	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	1.00	6.22	21.00
2440MHz	Pass	1.00	6.50	21.00
2480MHz	Pass	1.00	5.32	21.00

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

Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	6.95	0.00495
BT-EDR(2Mbps)	4.55	0.00285
BT-EDR(3Mbps)	4.63	0.00290

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	1.00	6.64	21.00
2440MHz	Pass	1.00	6.95	21.00
2480MHz	Pass	1.00	5.91	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	1.00	4.35	21.00
2440MHz	Pass	1.00	4.55	21.00
2480MHz	Pass	1.00	3.63	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	1.00	4.27	21.00
2440MHz	Pass	1.00	4.63	21.00
2480MHz	Pass	1.00	3.60	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

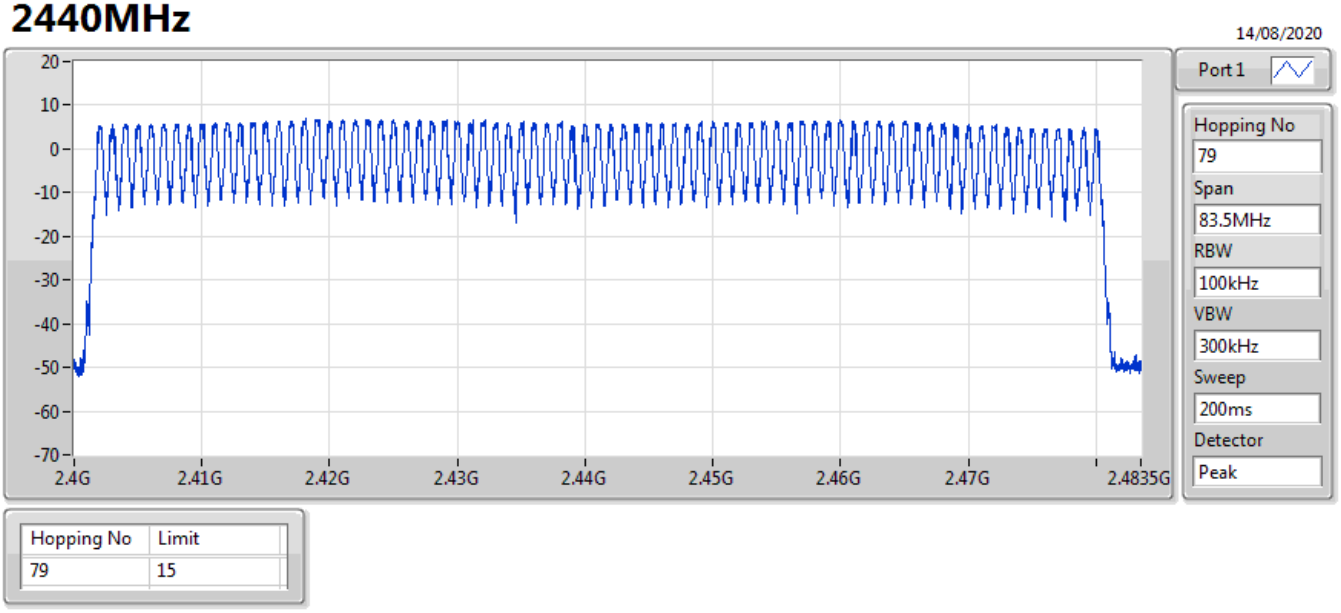
Result

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

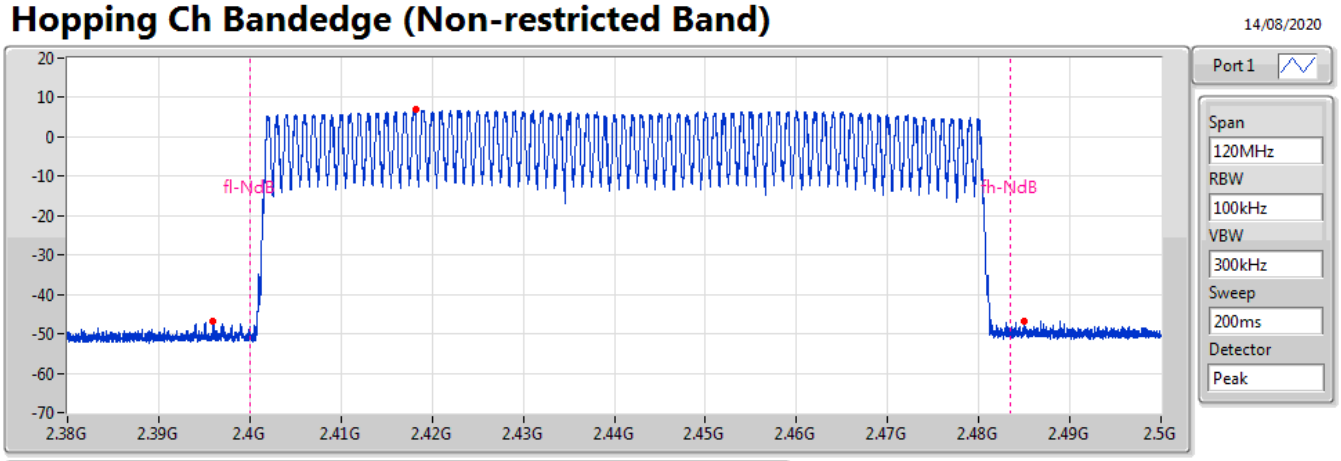


Hopping No	Limit
79	15

BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

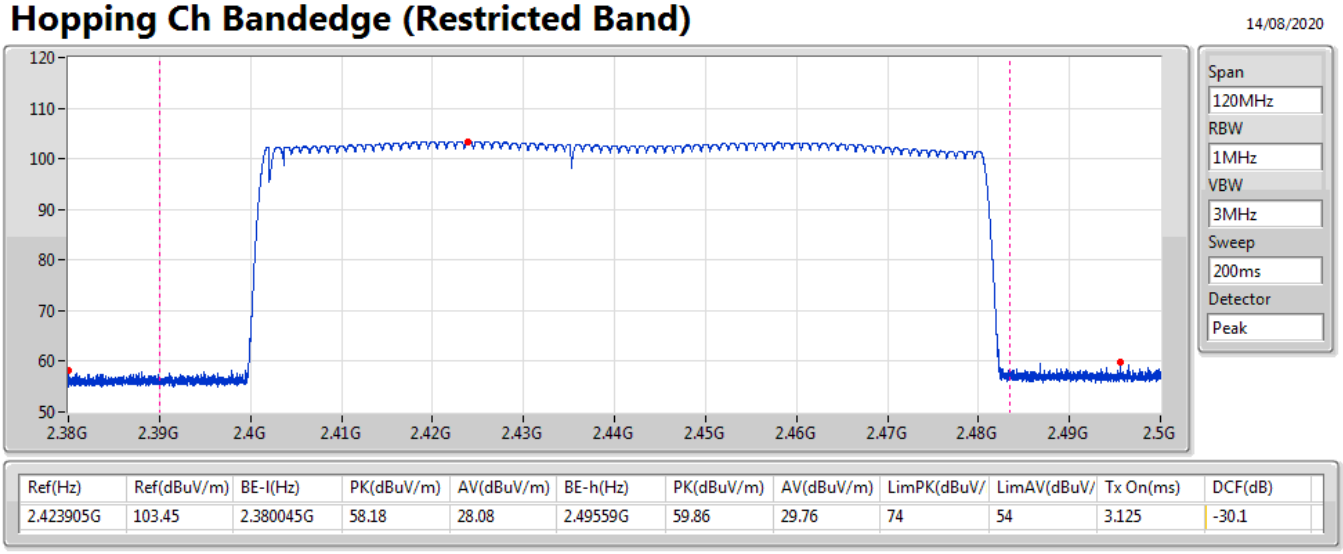


Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-13.05	2.41816G	6.95	2.395945G	-46.88	2.485G	-46.68

BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

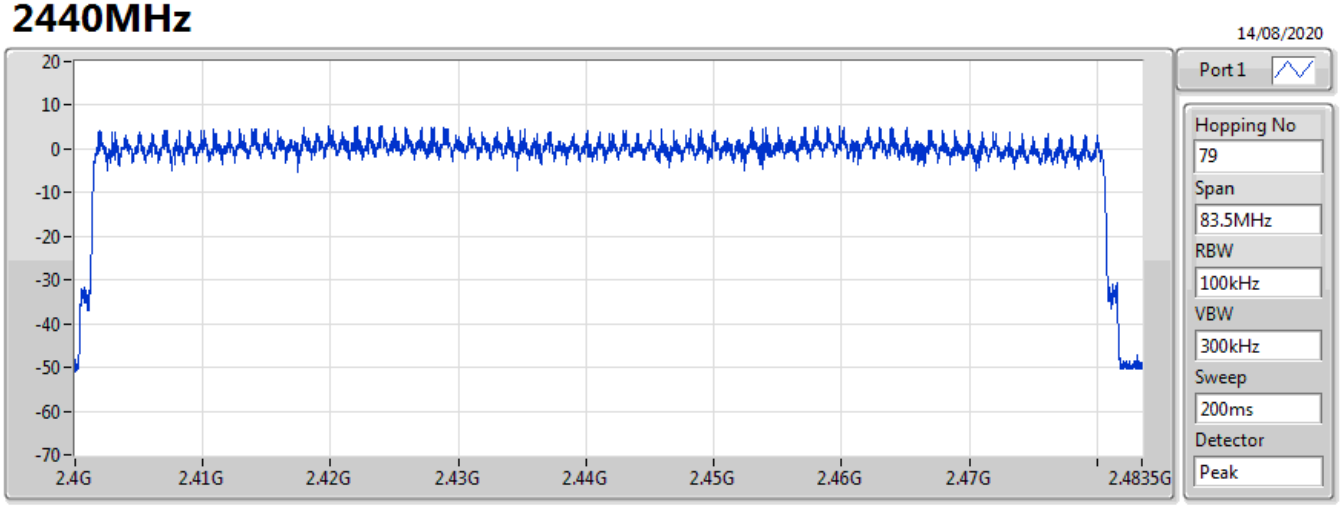


Ref(Hz)	Ref(dBuV/m)	BE-l(Hz)	PK(dBuV/m)	AV(dBuV/m)	BE-h(Hz)	PK(dBuV/m)	AV(dBuV/m)	LimPK(dBuV/	LimAV(dBuV/	Tx On(ms)	DCF(dB)
2.423905G	103.45	2.380045G	58.18	28.08	2.49559G	59.86	29.76	74	54	3.125	-30.1

BT-EDR(2Mbps)

2440MHz

Hopping-FS

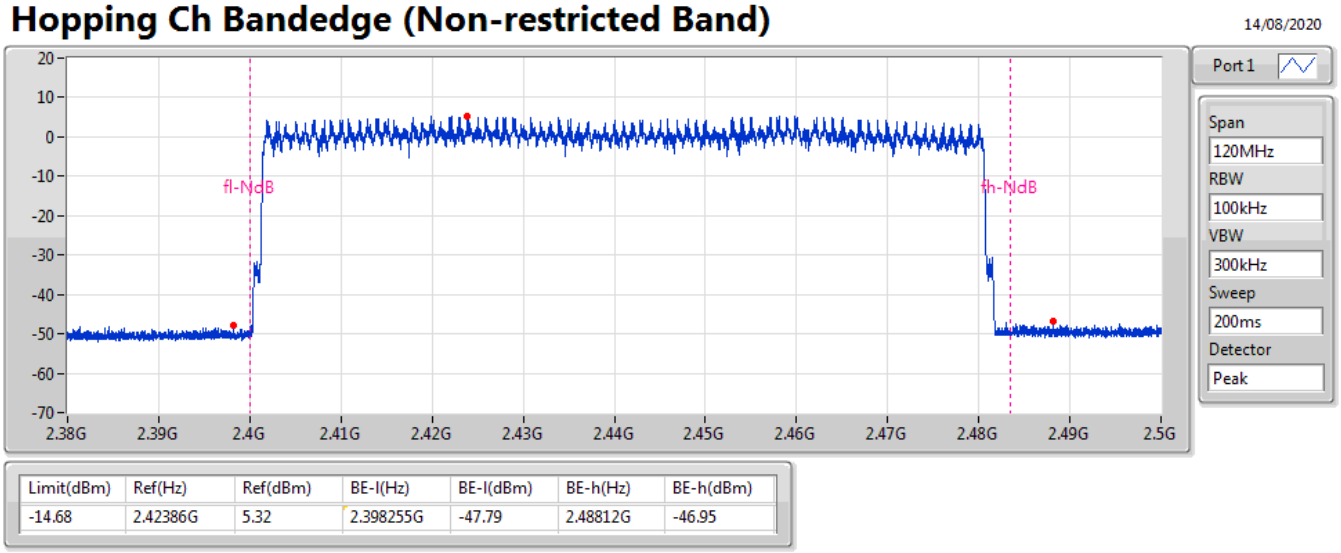


Hopping No	Limit
79	15

BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

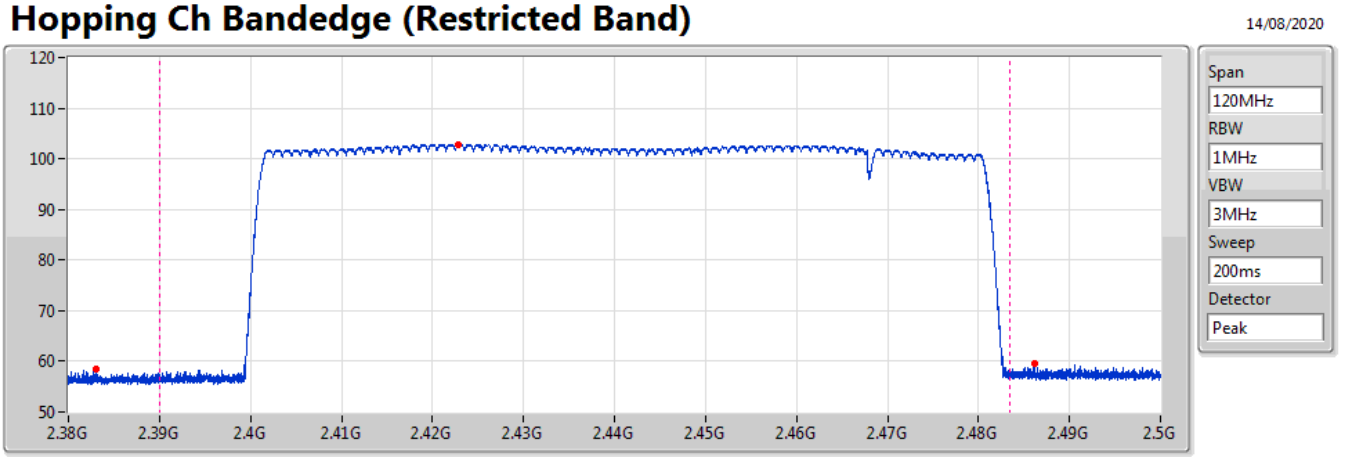


Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-14.68	2.42386G	5.32	2.398255G	-47.79	2.48812G	-46.95

BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

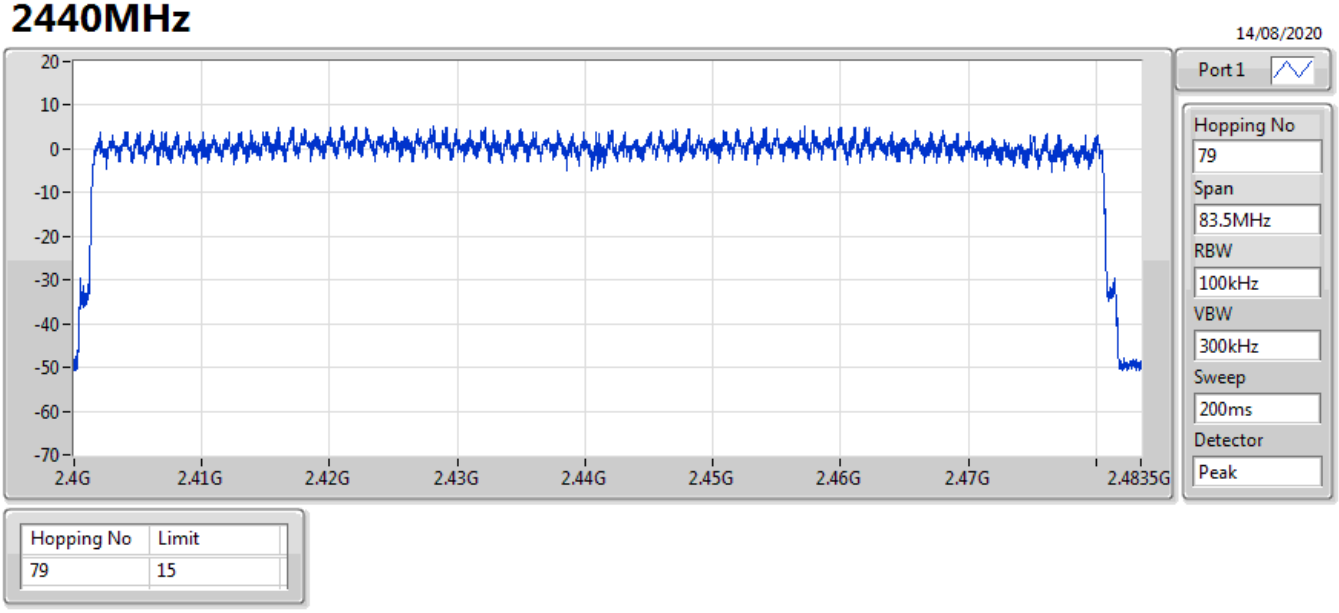


Ref(Hz)	Ref(dBuV/m)	BE-l(Hz)	PK(dBuV/m)	AV(dBuV/m)	BE-h(Hz)	PK(dBuV/m)	AV(dBuV/m)	LimPK(dBuV/	LimAV(dBuV/	Tx On(ms)	DCF(dB)
2.422855G	102.84	2.38297G	58.44	28.34	2.486155G	59.59	29.49	74	54	3.125	-30.1

BT-EDR(3Mbps)

2440MHz

Hopping-FS

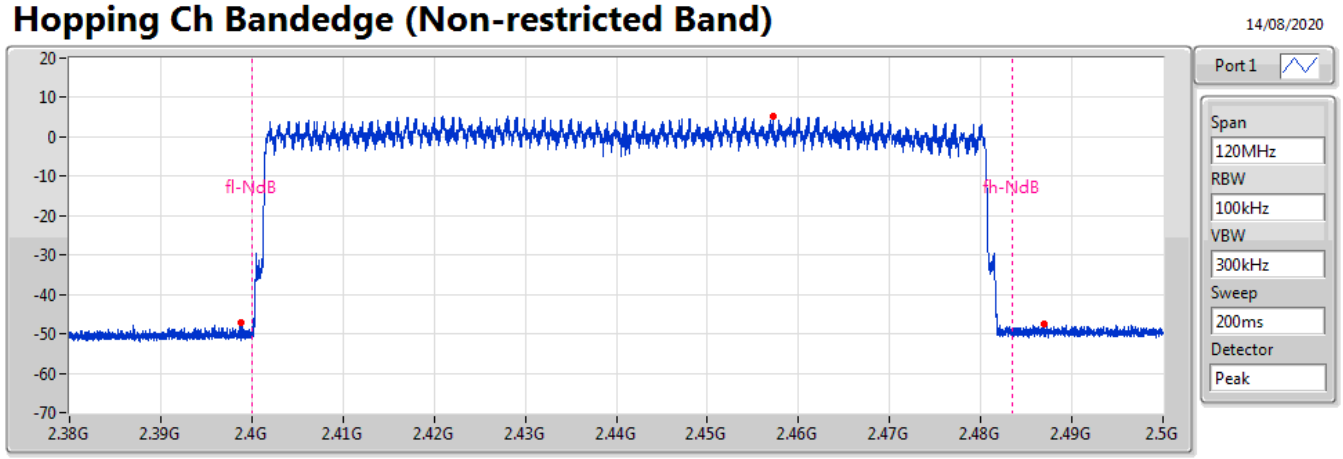


Hopping No	Limit
79	15

BT-EDR(3Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

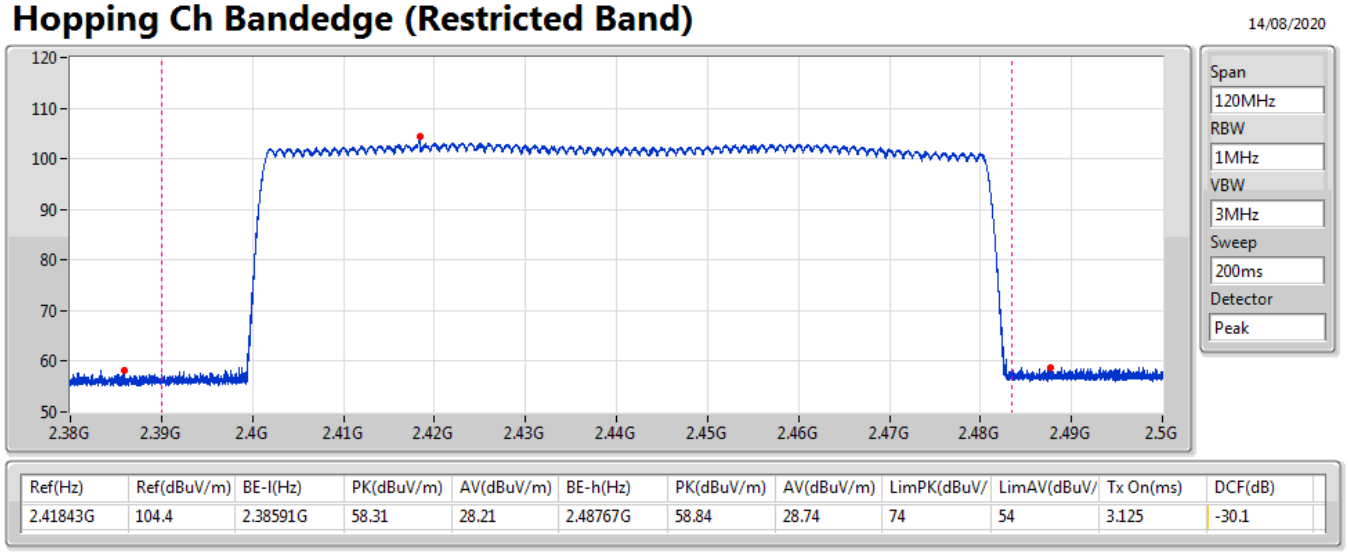


Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-14.88	2.45716G	5.12	2.398795G	-47.11	2.486965G	-47.38

BT-EDR(3Mbps)

2440MHz

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)
2.41843G	104.4	2.38591G	58.31	28.21	2.48767G	58.84	28.74	74	54	3.125	-30.1

Summary

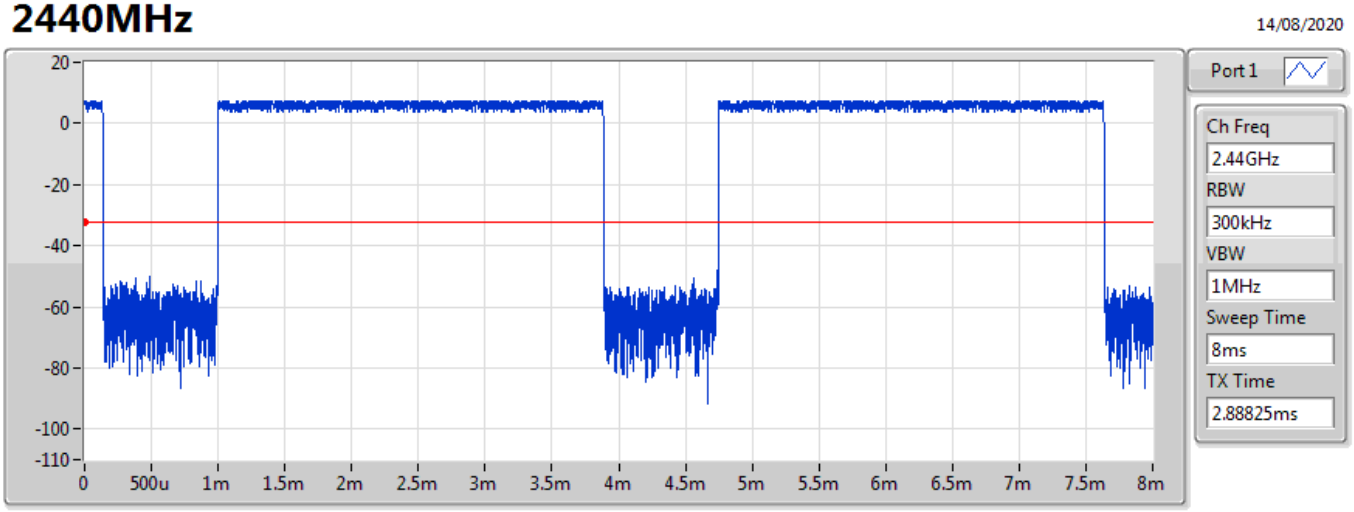
Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	307.88745m_DH5
BT-EDR(2Mbps)	253.94785m_DH5
BT-EDR(3Mbps)	308.31385m_DH5

Result

Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	307.88745m_DH5	400m	2.88825m
2440MHz	Pass	8	153.95705m_DH5-AFH	400m	2.8885m
BT-EDR(2Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	253.94785m_DH5	400m	2.38225m
2440MHz	Pass	8	126.973925m_DH5-AFH	400m	2.38225m
BT-EDR(3Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	308.31385m_DH5	400m	2.89225m
2440MHz	Pass	8	154.1436m_DH5-AFH	400m	2.892m

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

2440MHz

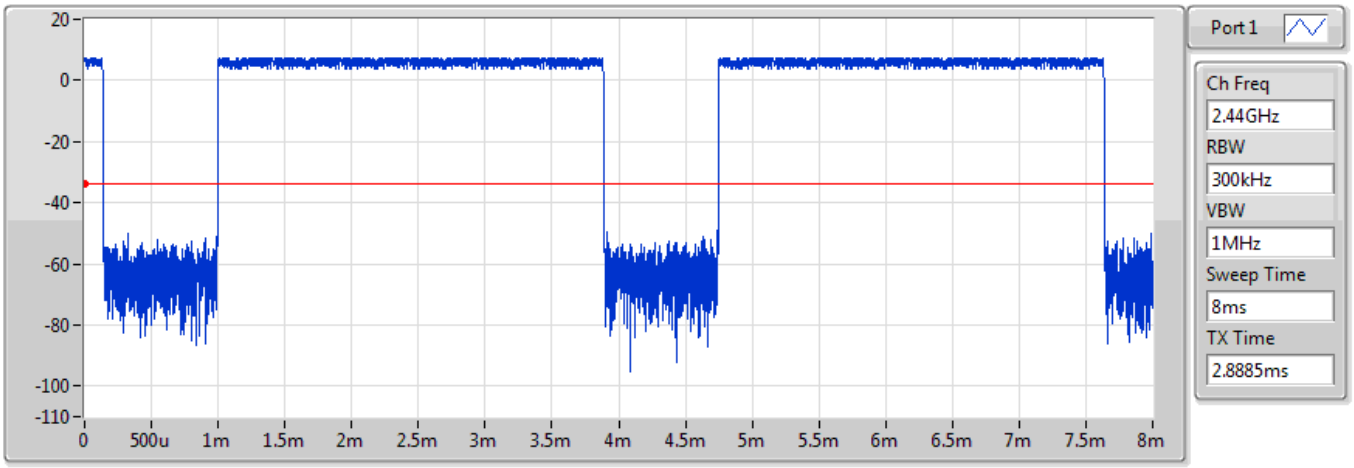


Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	307.88745m_DH5	400m	2.88825m

DH5

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

2440MHz



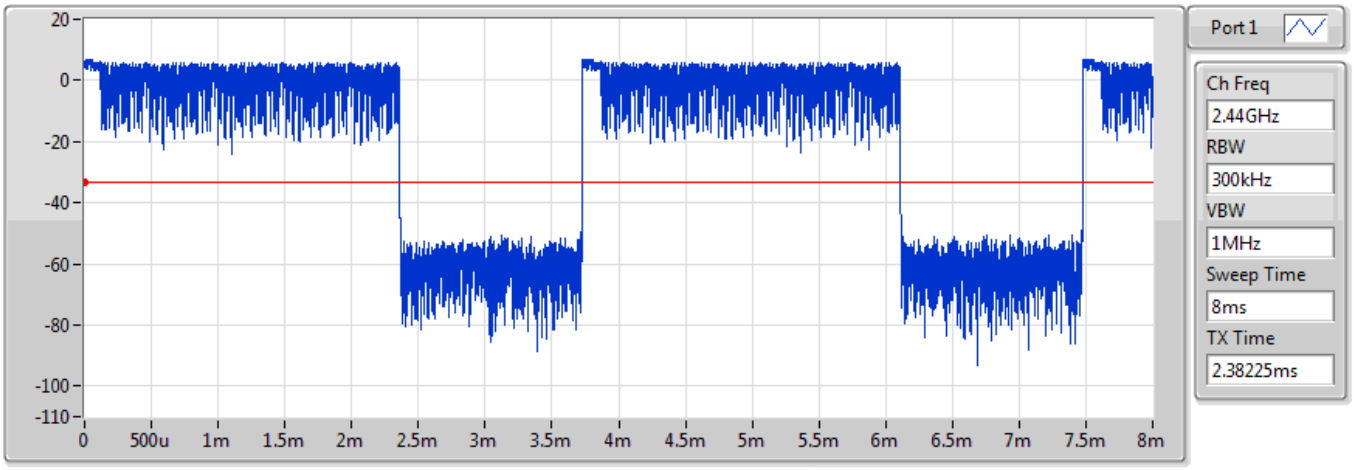
Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	153.95705m_DH5-AFH	400m	2.8885m

DH5-AFH

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

2440MHz

14/08/2020



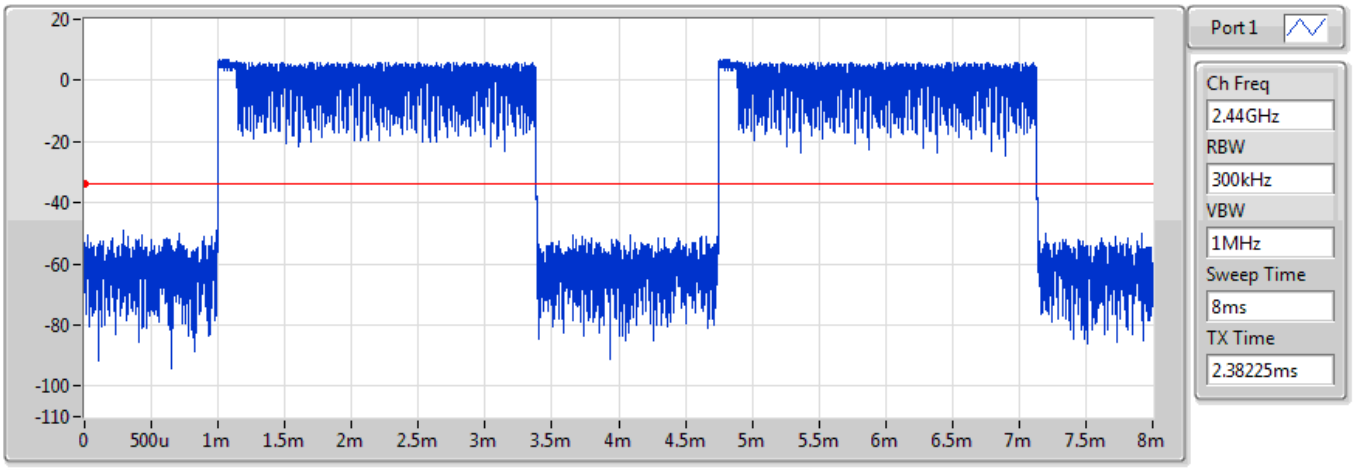
Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	253.94785m_DH5	400m	2.38225m

DH5

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

2440MHz

14/08/2020

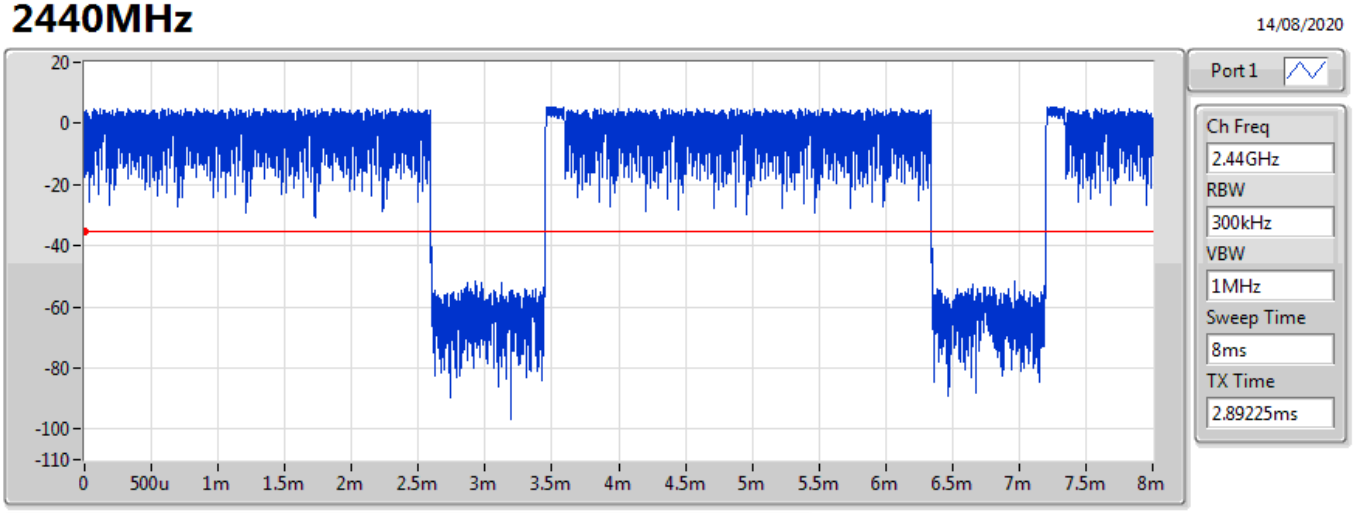


Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	126.973925m_DH5-AFI	400m	2.38225m

DH5-AFH

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

2440MHz

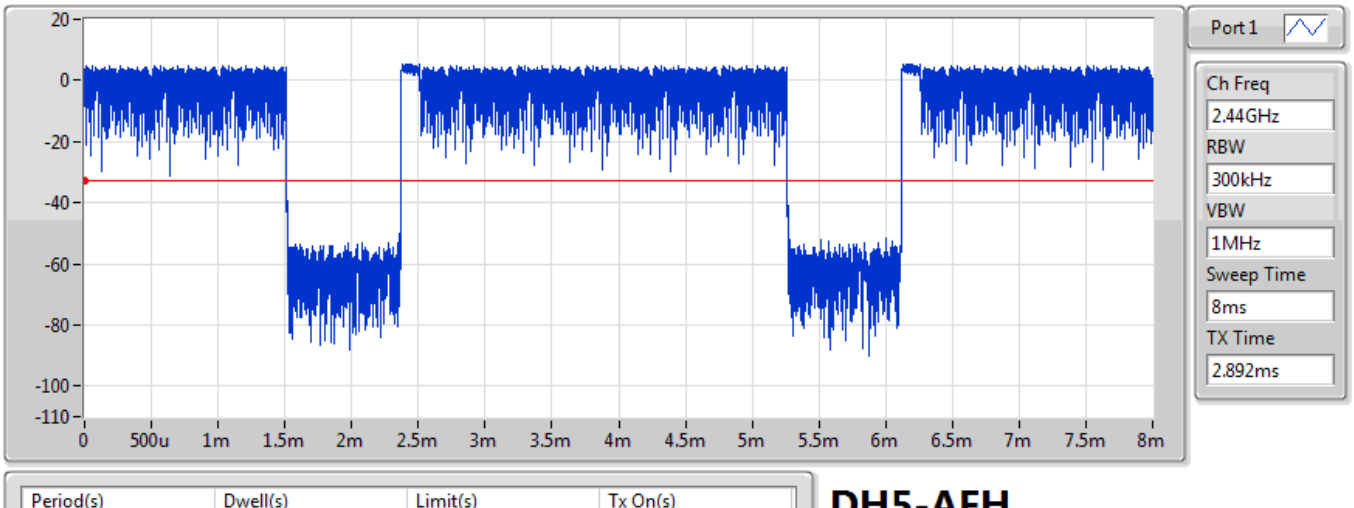


Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.31385m_DH5	400m	2.89225m

DH5

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

2440MHz



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	154.1436m_DH5-AFH	400m	2.892m

DH5-AFH

Summary

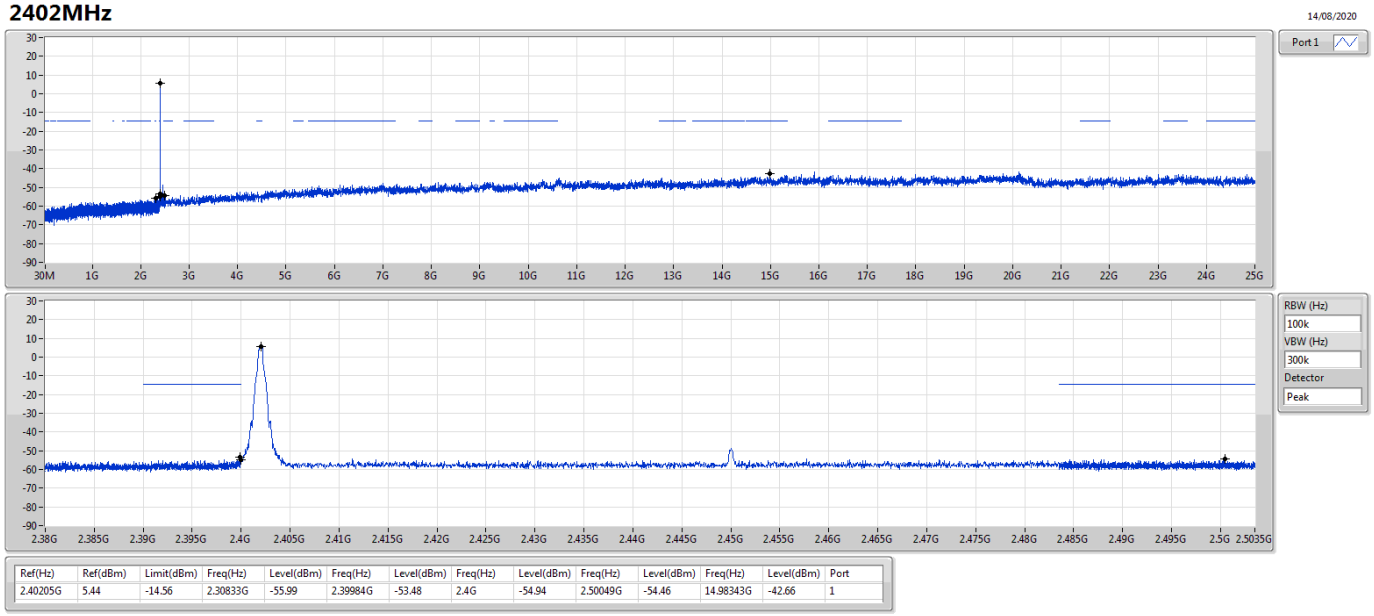
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.44016G	6.12	-13.88	1.84214G	-56.57	2.39195G	-50.72	2.4835G	-57.41	2.48797G	-49.89	14.69379G	-43.18	1
BT-EDR(2Mbps)	Pass	2.44004G	3.85	-16.15	2.03103G	-56.71	2.3921G	-52.14	2.4G	-57.07	2.48785G	-49.01	23.47024G	-42.95	1
BT-EDR(3Mbps)	Pass	2.44016G	4.43	-15.57	2.19024G	-55.95	2.39217G	-52.34	2.4G	-56.66	2.48812G	-52.26	16.81127G	-41.60	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	2.40205G	5.44	-14.56	2.30833G	-55.99	2.39984G	-53.48	2.4G	-54.94	2.50049G	-54.46	14.98343G	-42.66	1
2440MHz	Pass	2.44016G	6.12	-13.88	1.84214G	-56.57	2.39195G	-50.72	2.4835G	-57.41	2.48797G	-49.89	14.69379G	-43.18	1
2480MHz	Pass	2.47991G	4.72	-15.28	2.30598G	-55.50	2.39004G	-54.99	2.4835G	-57.30	2.48778G	-54.13	14.66286G	-42.17	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40217G	3.62	-16.38	2.04659G	-56.40	2.39996G	-54.29	2.4G	-56.34	2.48352G	-54.60	15.31244G	-43.26	1
2440MHz	Pass	2.44004G	3.85	-16.15	2.03103G	-56.71	2.3921G	-52.14	2.4G	-57.07	2.48785G	-49.01	23.47024G	-42.95	1
2480MHz	Pass	2.48012G	2.46	-17.54	2.11621G	-55.65	2.39064G	-54.77	2.4835G	-56.45	2.49963G	-52.80	23.48149G	-42.15	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40188G	3.46	-16.54	1.99636G	-56.38	2.39341G	-54.02	2.4G	-55.40	2.49507G	-54.32	23.4843G	-42.20	1
2440MHz	Pass	2.44016G	4.43	-15.57	2.19024G	-55.95	2.39217G	-52.34	2.4G	-56.66	2.48812G	-52.26	16.81127G	-41.60	1
2480MHz	Pass	2.47987G	2.90	-17.10	1.98226G	-55.96	2.39076G	-55.89	2.4G	-56.80	2.49833G	-53.92	23.55741G	-43.16	1

BT-BR(1Mbps) **CSENdB-FS**

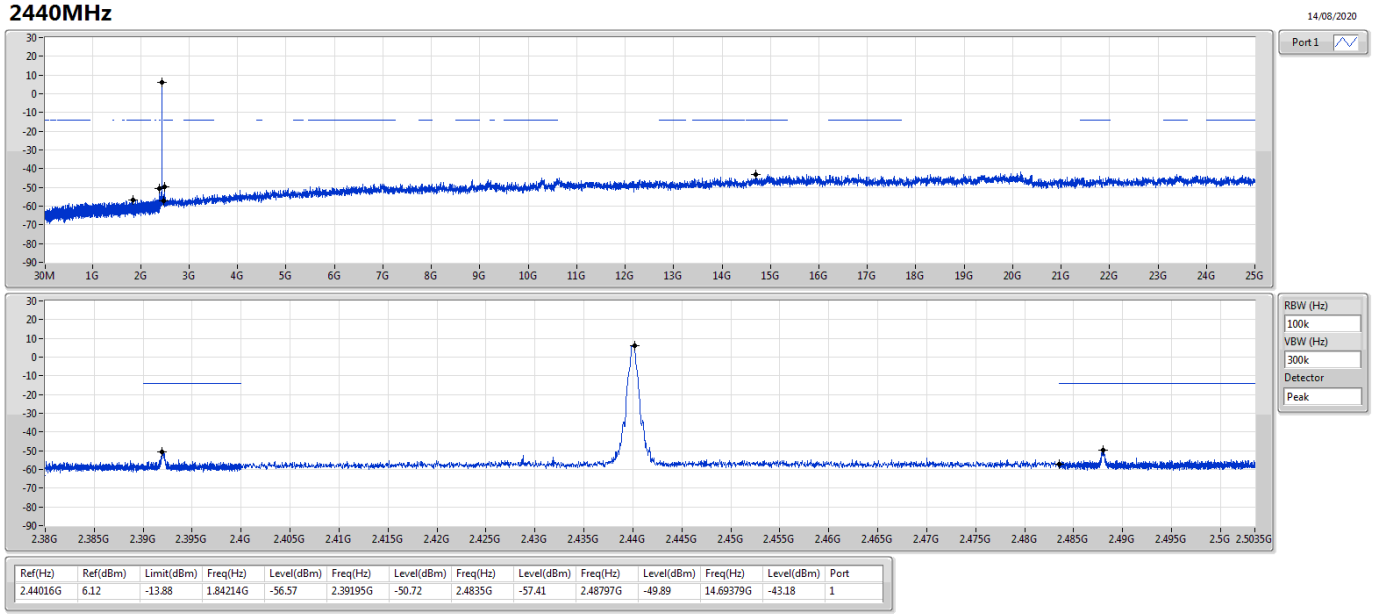
2402MHz



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
2.40205G	5.44	-14.56	2.30833G	-55.99	2.39984G	-53.48	2.4G	-54.94	2.50049G	-54.46	14.98343G	-42.66	1

BT-BR(1Mbps) **CSENdB-FS**

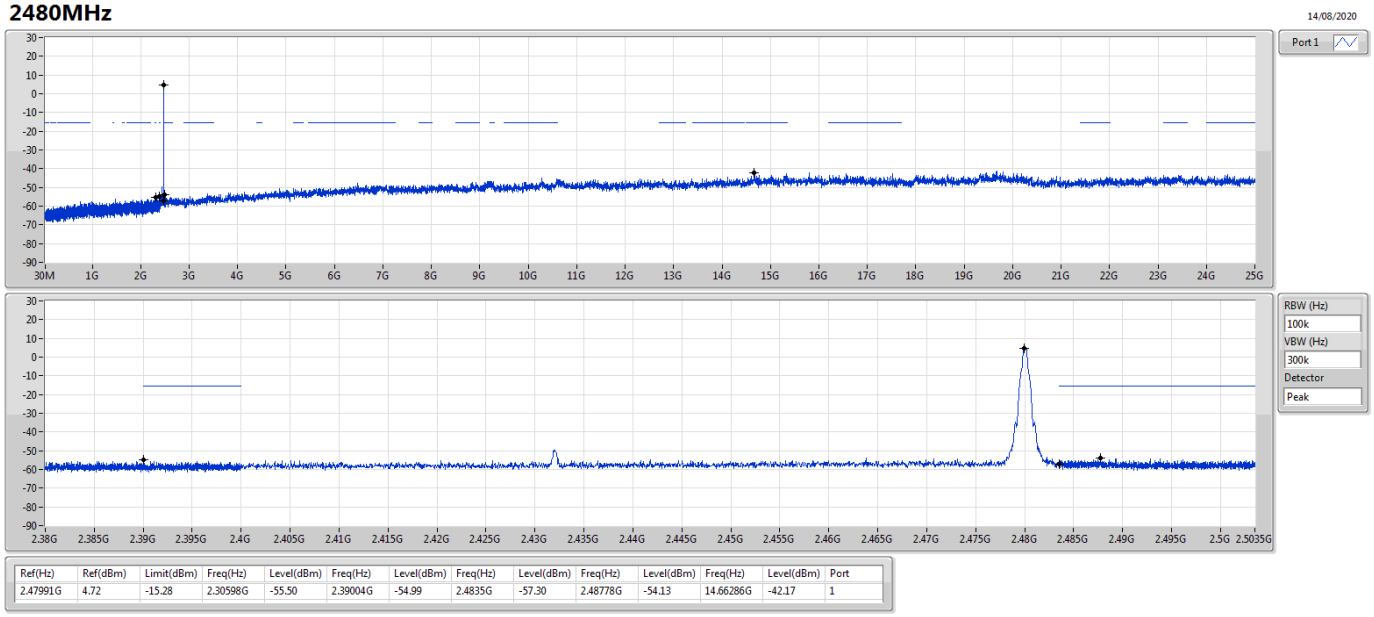
2440MHz



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
2.44016G	6.12	-13.88	1.84214G	-56.57	2.39195G	-50.72	2.4835G	-57.41	2.48797G	-49.89	14.69379G	-43.18	1

BT-BR(1Mbps) **CSENdB-FS**

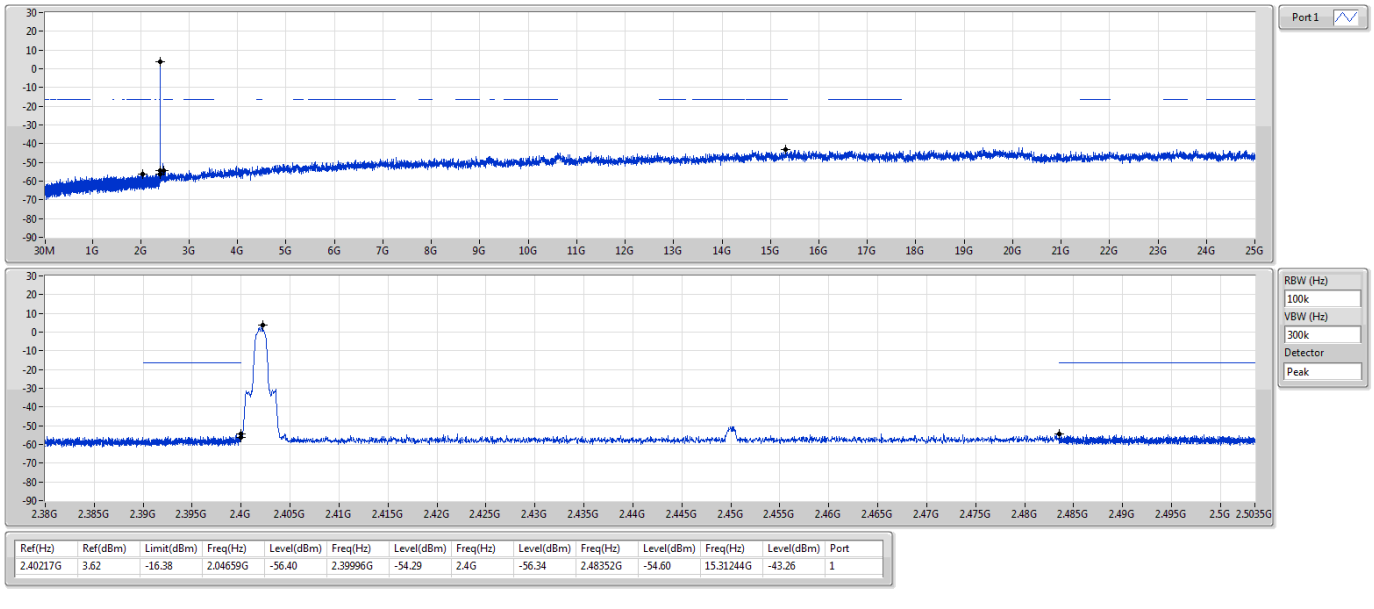
2480MHz



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
2.47991G	4.72	-15.28	2.30598G	-55.50	2.39004G	-54.99	2.4835G	-57.30	2.48778G	-54.13	14.66286G	-42.17	1

BT-EDR(2Mbps) **CSENdB-FS**

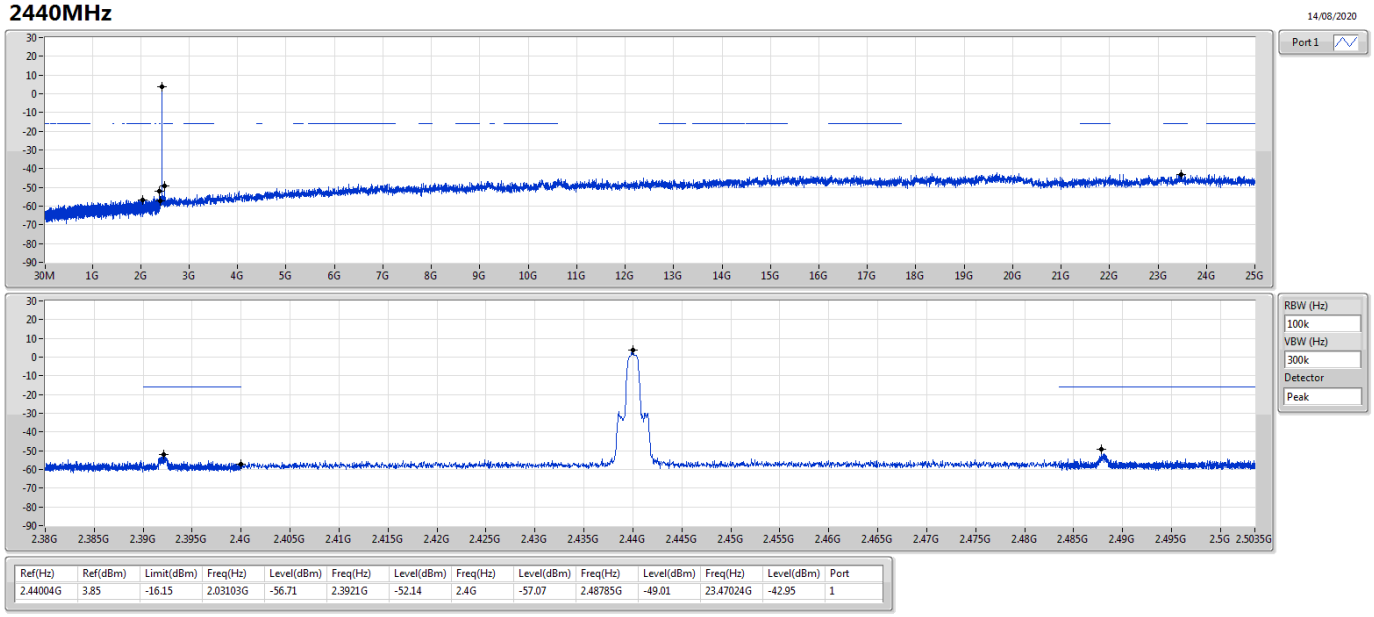
2402MHz



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
2.40217G	3.62	-16.38	2.04659G	-56.40	2.39996G	-54.29	2.4G	-56.34	2.48352G	-54.60	15.31244G	-43.26	1

BT-EDR(2Mbps) **CSENdB-FS**

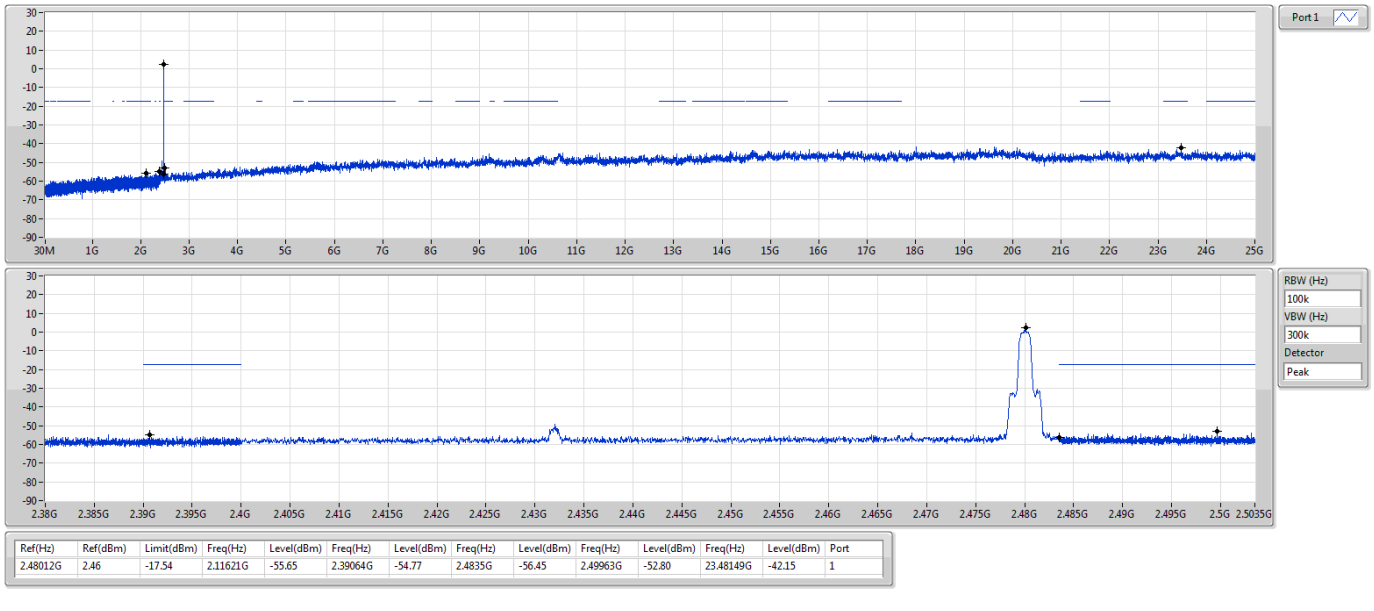
2440MHz



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
2.44004G	3.85	-16.15	2.03103G	-56.71	2.3921G	-52.14	2.4G	-57.07	2.48785G	-49.01	23.47024G	-42.95	1

BT-EDR(2Mbps) **CSENdB-FS**

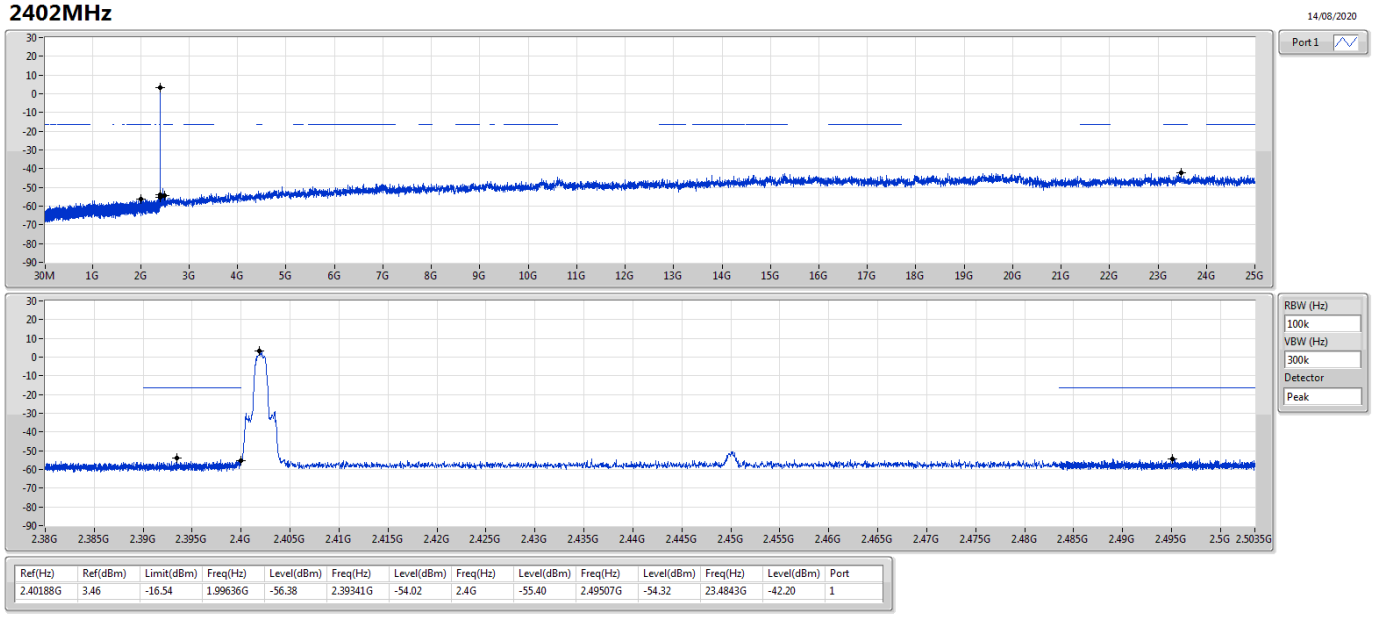
2480MHz



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
2.48012G	2.46	-17.54	2.11621G	-55.65	2.39064G	-54.77	2.4835G	-56.45	2.49963G	-52.80	23.48149G	-42.15	1

BT-EDR(3Mbps) **CSENdB-FS**

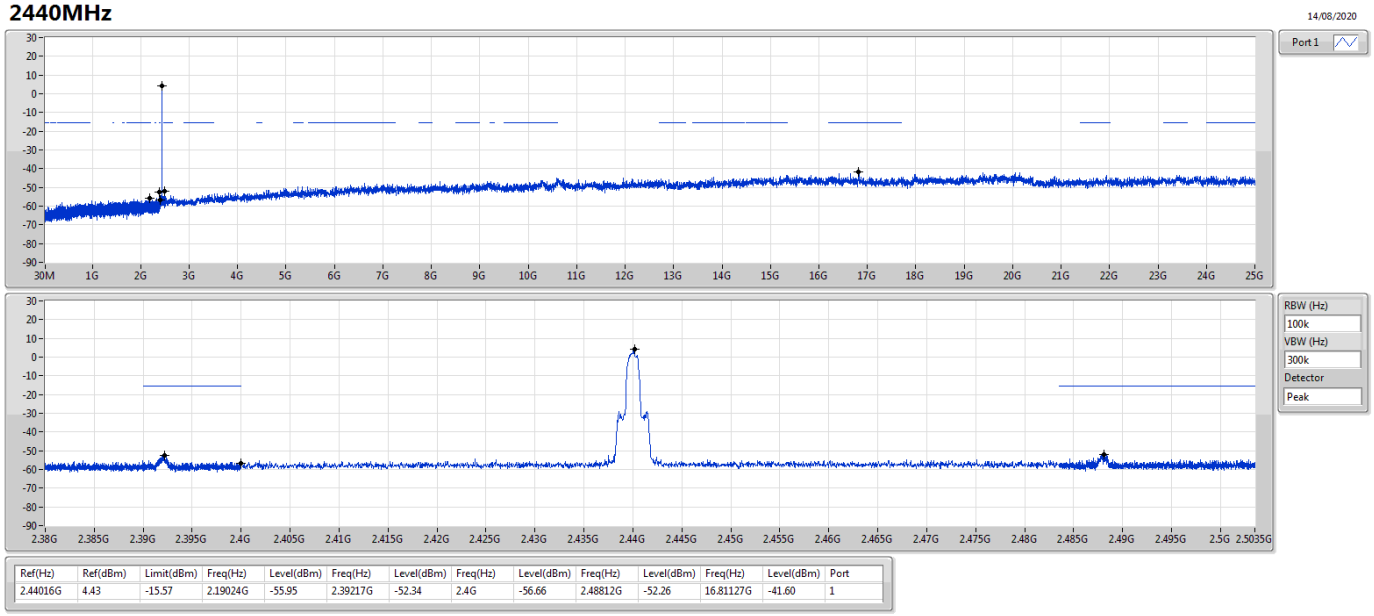
2402MHz



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
2.40188G	3.46	-16.54	1.99636G	-56.38	2.39341G	-54.02	2.4G	-55.40	2.49507G	-54.32	23.4843G	-42.20	1

BT-EDR(3Mbps) **CSENdB-FS**

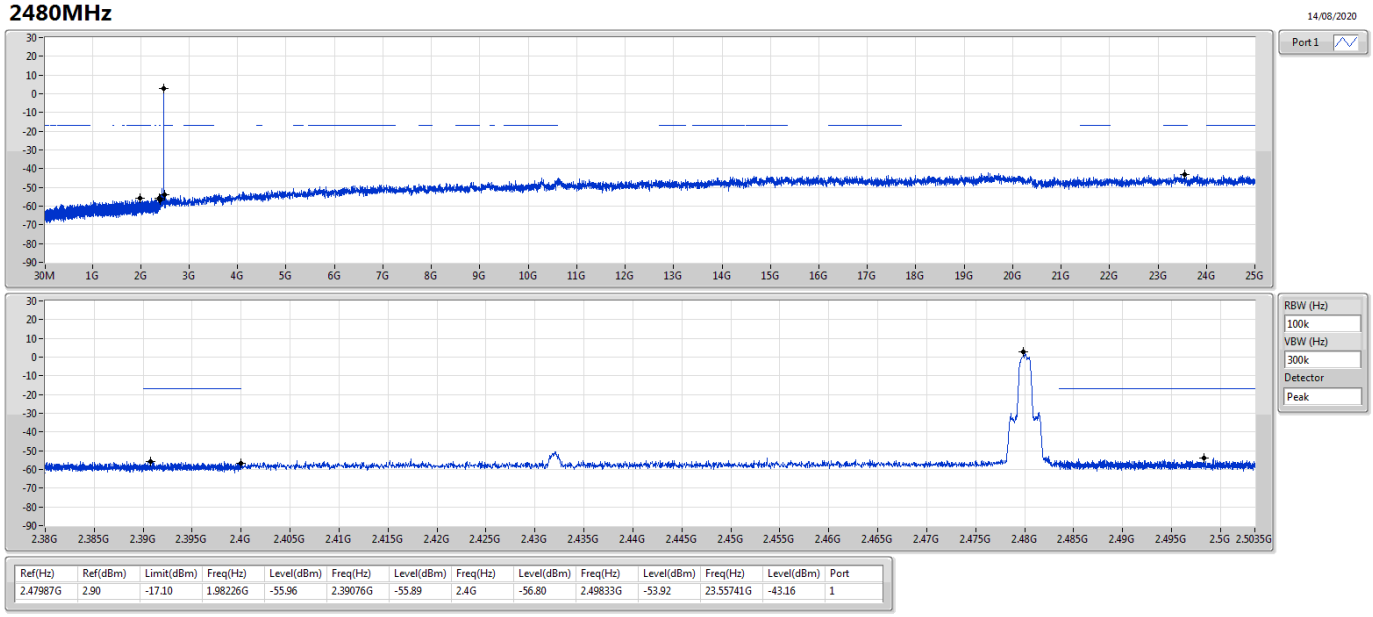
2440MHz



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
2.44016G	4.43	-15.57	2.19024G	-55.95	2.39217G	-52.34	2.4G	-56.66	2.48812G	-52.26	16.81127G	-41.60	1

BT-EDR(3Mbps) **CSENdB-FS**

2480MHz



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
2.47987G	2.90	-17.10	1.98226G	-55.96	2.39076G	-55.89	2.4G	-56.80	2.49833G	-53.92	23.55741G	-43.16	1

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	QP	255.04M	42.79	46.00	-3.21	3	Horizontal	186	1.07	-

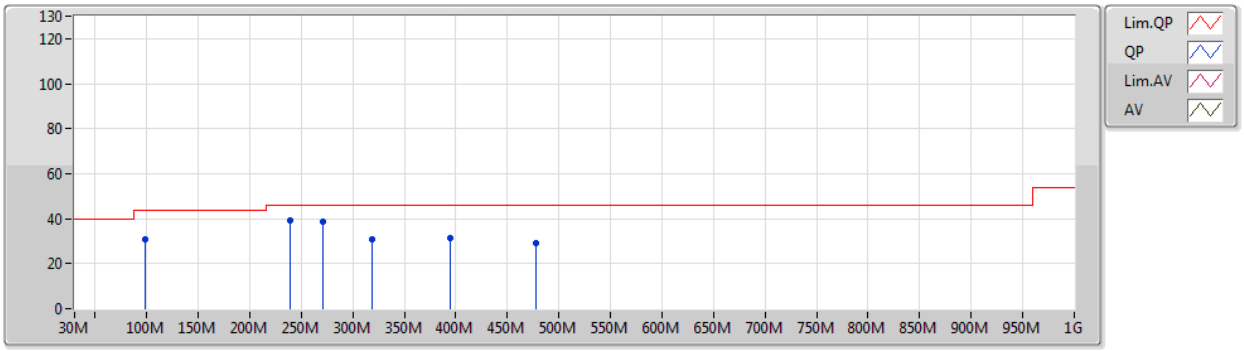
Result

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	PK	97.9M	30.75	43.50	-12.75	3	Vertical	0	1.00	-
2440MHz	Pass	PK	239.52M	39.14	46.00	-6.86	3	Vertical	0	1.00	-
2440MHz	Pass	PK	270.56M	38.56	46.00	-7.44	3	Vertical	0	1.00	-
2440MHz	Pass	PK	319.06M	30.84	46.00	-15.16	3	Vertical	0	1.00	-
2440MHz	Pass	PK	394.72M	31.35	46.00	-14.65	3	Vertical	0	1.00	-
2440MHz	Pass	PK	478.14M	29.21	46.00	-16.79	3	Vertical	0	1.00	-
2440MHz	Pass	PK	344.28M	29.55	46.00	-16.45	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	392.78M	30.58	46.00	-15.42	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	491.72M	28.34	46.00	-17.66	3	Horizontal	360	1.00	-
2440MHz	Pass	QP	255.04M	42.79	46.00	-3.21	3	Horizontal	186	1.07	-
2440MHz	Pass	QP	237.58M	42.59	46.00	-3.41	3	Horizontal	209	1.30	-
2440MHz	Pass	QP	270.56M	40.29	46.00	-5.71	3	Horizontal	177	1.00	-

BT-BR(1Mbps)

2440MHz_Adapter

16/08/2020

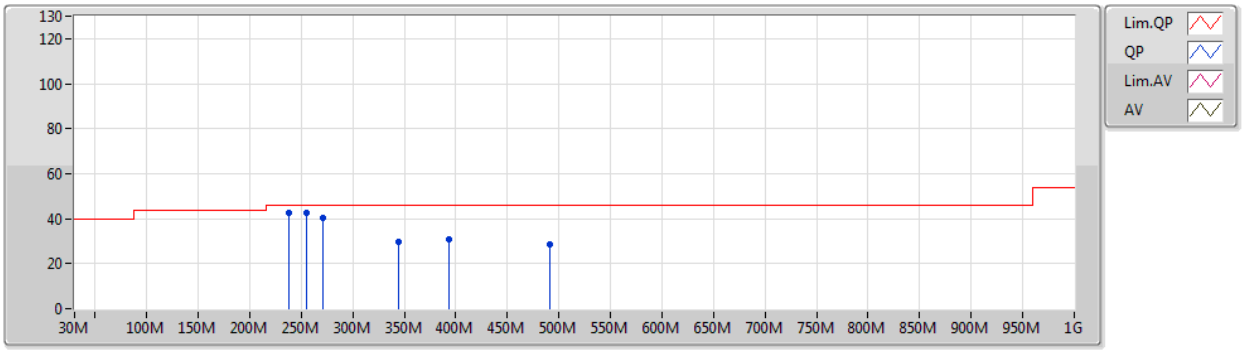


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	97.9M	30.75	43.50	-12.75	-10.21	3	Vertical	0	1.00	-	40.96	15.58	1.60	27.39
PK	239.52M	39.14	46.00	-6.86	-7.87	3	Vertical	0	1.00	-	47.01	16.34	2.54	26.75
PK	270.56M	38.56	46.00	-7.44	-6.02	3	Vertical	0	1.00	-	44.58	17.95	2.72	26.69
PK	319.06M	30.84	46.00	-15.16	-5.05	3	Vertical	0	1.00	-	35.89	18.73	2.98	26.76
PK	394.72M	31.35	46.00	-14.65	-3.16	3	Vertical	0	1.00	-	34.51	20.78	3.28	27.22
PK	478.14M	29.21	46.00	-16.79	-1.71	3	Vertical	0	1.00	-	30.92	22.47	3.57	27.75

BT-BR(1Mbps)

2440MHz_Adapter

16/08/2020



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	344.28M	29.55	46.00	-16.45	-4.59	3	Horizontal	360	1.00	-	34.14	19.24	3.08	26.91
PK	392.78M	30.58	46.00	-15.42	-3.23	3	Horizontal	360	1.00	-	33.81	20.71	3.27	27.21
PK	491.72M	28.34	46.00	-17.66	-1.66	3	Horizontal	360	1.00	-	30.00	22.46	3.65	27.77
QP	255.04M	42.79	46.00	-3.21	-5.78	3	Horizontal	186	1.07	-	48.57	18.29	2.63	26.70
QP	237.58M	42.59	46.00	-3.41	-8.15	3	Horizontal	209	1.30	-	50.74	16.08	2.53	26.76
QP	270.56M	40.29	46.00	-5.71	-6.02	3	Horizontal	177	1.00	-	46.31	17.95	2.72	26.69

Summary

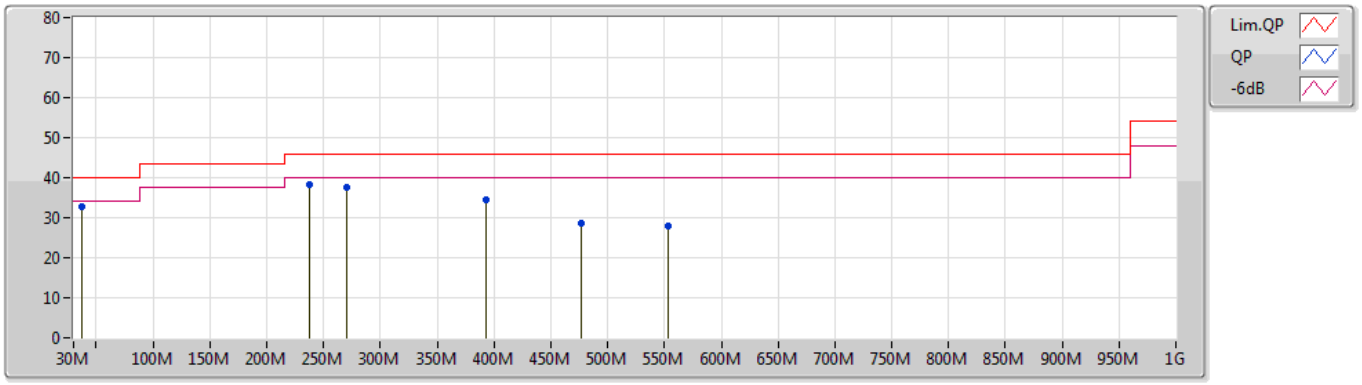
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	PK	270.56M	42.79	46.00	-3.21	Horizontal

Mode Configure

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 2	Pass	PK	37.76M	32.92	40.00	-7.08	3	Vertical	0	1.00	"Worst"
Mode 2	Pass	PK	237.58M	38.30	46.00	-7.70	3	Vertical	0	1.00	-
Mode 2	Pass	PK	270.56M	37.61	46.00	-8.39	3	Vertical	0	1.00	-
Mode 2	Pass	PK	392.78M	34.64	46.00	-11.36	3	Vertical	0	1.00	-
Mode 2	Pass	PK	476.2M	28.71	46.00	-17.29	3	Vertical	0	1.00	-
Mode 2	Pass	PK	553.8M	27.84	46.00	-18.16	3	Vertical	0	1.00	-
Mode 2	Pass	PK	270.56M	42.79	46.00	-3.21	3	Horizontal	360	1.00	"Worst"
Mode 2	Pass	PK	319.06M	32.11	46.00	-13.89	3	Horizontal	360	1.00	-
Mode 2	Pass	PK	392.78M	32.52	46.00	-13.48	3	Horizontal	360	1.00	-
Mode 2	Pass	PK	476.2M	29.97	46.00	-16.03	3	Horizontal	360	1.00	-
Mode 2	Pass	QP	237.58M	40.39	46.00	-5.61	3	Horizontal	257	1.21	-
Mode 2	Pass	QP	255.04M	41.09	46.00	-4.91	3	Horizontal	298	1.18	-

Radiated Emissions below 1GHz

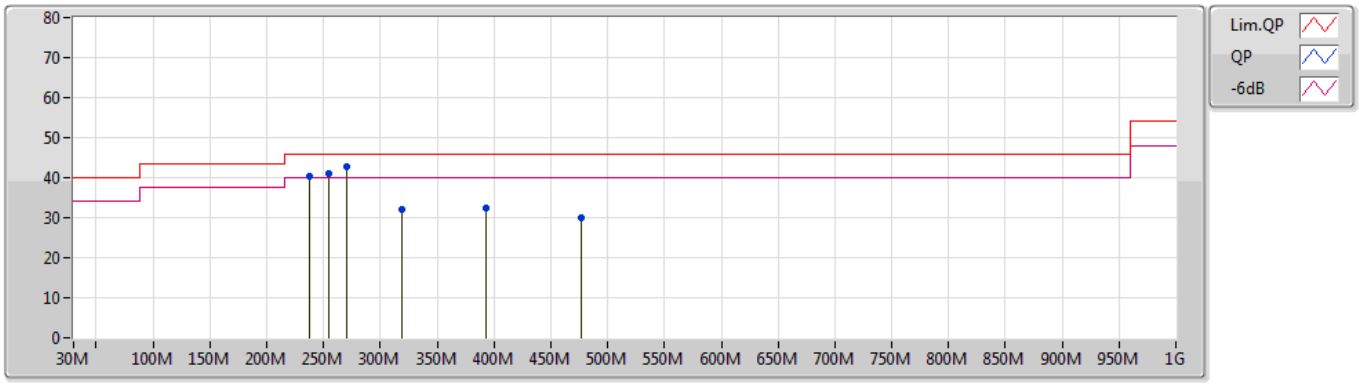
16/08/2020



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	37.76M	32.92	40.00	-7.08	-7.60	3	Vertical	0	1.00	"Worst"	40.52	18.99	0.96	27.55
PK	237.58M	38.30	46.00	-7.70	-8.15	3	Vertical	0	1.00	-	46.45	16.08	2.53	26.76
PK	270.56M	37.61	46.00	-8.39	-6.02	3	Vertical	0	1.00	-	43.63	17.95	2.72	26.69
PK	392.78M	34.64	46.00	-11.36	-3.23	3	Vertical	0	1.00	-	37.87	20.71	3.27	27.21
PK	476.2M	28.71	46.00	-17.29	-1.68	3	Vertical	0	1.00	-	30.39	22.50	3.56	27.74
PK	553.8M	27.84	46.00	-18.16	-0.22	3	Vertical	0	1.00	-	28.06	23.88	3.92	28.02

Radiated Emissions below 1GHz

16/08/2020



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	270.56M	42.79	46.00	-3.21	-6.02	3	Horizontal	360	1.00	"Worst"	48.81	17.95	2.72	26.69
PK	319.06M	32.11	46.00	-13.89	-5.05	3	Horizontal	360	1.00	-	37.16	18.73	2.98	26.76
PK	392.78M	32.52	46.00	-13.48	-3.23	3	Horizontal	360	1.00	-	35.75	20.71	3.27	27.21
PK	476.2M	29.97	46.00	-16.03	-1.68	3	Horizontal	360	1.00	-	31.65	22.50	3.56	27.74
QP	237.58M	40.39	46.00	-5.61	-8.15	3	Horizontal	257	1.21	-	48.54	16.08	2.53	26.76
QP	255.04M	41.09	46.00	-4.91	-5.78	3	Horizontal	298	1.18	-	46.87	18.29	2.63	26.70

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	2.4926G	60.83	74.00	-13.17	3	Vertical	186	2.45	-
BT-EDR(3Mbps)	Pass	PK	2.4862G	60.16	74.00	-13.84	3	Horizontal	86	2.35	-

Result

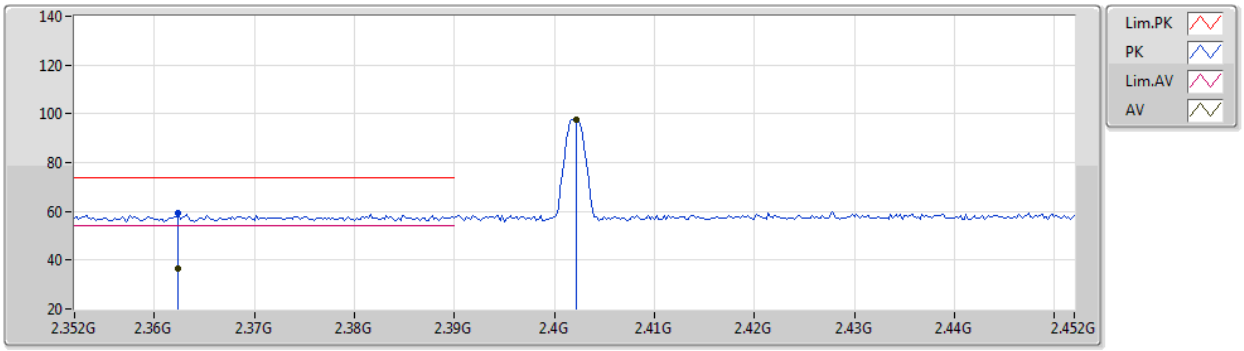
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3624G	36.66	54.00	-17.34	3	Vertical	191	2.14	-
2402MHz	Pass	AV	2.4022G	97.68	Inf	-Inf	3	Vertical	191	2.14	-
2402MHz	Pass	PK	2.3624G	59.16	74.00	-14.84	3	Vertical	191	2.14	-
2402MHz	Pass	PK	2.4022G	97.68	Inf	-Inf	3	Vertical	191	2.14	-
2402MHz	Pass	AV	2.3862G	36.74	54.00	-17.26	3	Horizontal	92	2.34	-
2402MHz	Pass	AV	2.4022G	83.62	Inf	-Inf	3	Horizontal	92	2.34	-
2402MHz	Pass	PK	2.3862G	59.24	74.00	-14.76	3	Horizontal	92	2.34	-
2402MHz	Pass	PK	2.4022G	106.12	Inf	-Inf	3	Horizontal	92	2.34	-
2402MHz	Pass	AV	4.80395G	23.17	54.00	-30.83	3	Vertical	75	1.50	-
2402MHz	Pass	PK	4.80395G	45.67	74.00	-28.33	3	Vertical	75	1.50	-
2402MHz	Pass	AV	4.80366G	23.39	54.00	-30.61	3	Horizontal	277	2.83	-
2402MHz	Pass	PK	4.80366G	45.89	74.00	-28.11	3	Horizontal	277	2.83	-
2440MHz	Pass	AV	2.3792G	36.77	54.00	-17.23	3	Vertical	189	2.32	-
2440MHz	Pass	AV	2.44G	76.66	Inf	-Inf	3	Vertical	189	2.32	-
2440MHz	Pass	AV	2.4888G	36.51	54.00	-17.49	3	Vertical	189	2.32	-
2440MHz	Pass	PK	2.3792G	59.27	74.00	-14.73	3	Vertical	189	2.32	-
2440MHz	Pass	PK	2.44G	99.16	Inf	-Inf	3	Vertical	189	2.32	-
2440MHz	Pass	PK	2.4888G	59.01	74.00	-14.99	3	Vertical	189	2.32	-
2440MHz	Pass	AV	2.3568G	36.46	54.00	-17.54	3	Horizontal	83	2.28	-
2440MHz	Pass	AV	2.44G	84.83	Inf	-Inf	3	Horizontal	83	2.28	-
2440MHz	Pass	AV	2.4884G	36.91	54.00	-17.09	3	Horizontal	83	2.28	-
2440MHz	Pass	PK	2.3568G	58.96	74.00	-15.04	3	Horizontal	83	2.28	-
2440MHz	Pass	PK	2.44G	107.33	Inf	-Inf	3	Horizontal	83	2.28	-
2440MHz	Pass	PK	2.4884G	59.41	74.00	-14.59	3	Horizontal	83	2.28	-
2440MHz	Pass	AV	4.87935G	24.67	54.00	-29.33	3	Vertical	87	2.34	-
2440MHz	Pass	PK	4.87935G	47.17	74.00	-26.83	3	Vertical	87	2.34	-
2440MHz	Pass	AV	4.88045G	23.14	54.00	-30.86	3	Horizontal	223	1.52	-
2440MHz	Pass	PK	4.88045G	45.64	74.00	-28.36	3	Horizontal	223	1.52	-
2480MHz	Pass	AV	2.48G	78.09	Inf	-Inf	3	Vertical	186	2.45	-
2480MHz	Pass	AV	2.4926G	38.33	54.00	-15.67	3	Vertical	186	2.45	-
2480MHz	Pass	PK	2.48G	100.59	Inf	-Inf	3	Vertical	186	2.45	-
2480MHz	Pass	PK	2.4926G	60.83	74.00	-13.17	3	Vertical	186	2.45	-
2480MHz	Pass	AV	2.48G	83.79	Inf	-Inf	3	Horizontal	86	2.34	-
2480MHz	Pass	AV	2.4968G	37.58	54.00	-16.42	3	Horizontal	86	2.34	-
2480MHz	Pass	PK	2.48G	106.29	Inf	-Inf	3	Horizontal	86	2.34	-
2480MHz	Pass	PK	2.4968G	60.08	74.00	-13.92	3	Horizontal	86	2.34	-
2480MHz	Pass	AV	4.95973G	24.21	54.00	-29.79	3	Vertical	27	1.86	-
2480MHz	Pass	PK	4.95973G	46.71	74.00	-27.29	3	Vertical	27	1.86	-
2480MHz	Pass	AV	4.96092G	24.02	54.00	-29.98	3	Horizontal	320	1.65	-
2480MHz	Pass	PK	4.96092G	46.52	74.00	-27.48	3	Horizontal	320	1.65	-
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3578G	36.29	54.00	-17.71	3	Vertical	188	2.14	-
2402MHz	Pass	AV	2.402G	74.34	Inf	-Inf	3	Vertical	188	2.14	-
2402MHz	Pass	PK	2.3578G	58.79	74.00	-15.21	3	Vertical	188	2.14	-
2402MHz	Pass	PK	2.402G	96.84	Inf	-Inf	3	Vertical	188	2.14	-
2402MHz	Pass	AV	2.3868G	36.96	54.00	-17.04	3	Horizontal	93	2.34	-
2402MHz	Pass	AV	2.402G	82.79	Inf	-Inf	3	Horizontal	93	2.34	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2402MHz	Pass	PK	2.3868G	59.46	74.00	-14.54	3	Horizontal	93	2.34	-
2402MHz	Pass	PK	2.402G	105.29	Inf	-Inf	3	Horizontal	93	2.34	-
2402MHz	Pass	AV	4.80495G	23.81	54.00	-30.19	3	Vertical	19	1.76	-
2402MHz	Pass	PK	4.80495G	46.31	74.00	-27.69	3	Vertical	19	1.76	-
2402MHz	Pass	AV	4.80324G	24.23	54.00	-29.77	3	Horizontal	83	1.55	-
2402MHz	Pass	PK	4.80324G	46.73	74.00	-27.27	3	Horizontal	83	1.55	-
2440MHz	Pass	AV	2.3424G	36.29	54.00	-17.71	3	Vertical	189	2.33	-
2440MHz	Pass	AV	2.44G	75.84	Inf	-Inf	3	Vertical	189	2.33	-
2440MHz	Pass	AV	2.4835G	37.21	54.00	-16.79	3	Vertical	189	2.33	-
2440MHz	Pass	PK	2.3424G	58.79	74.00	-15.21	3	Vertical	189	2.33	-
2440MHz	Pass	PK	2.44G	98.34	Inf	-Inf	3	Vertical	189	2.33	-
2440MHz	Pass	PK	2.4835G	59.71	74.00	-14.29	3	Vertical	189	2.33	-
2440MHz	Pass	AV	2.3428G	35.55	54.00	-18.45	3	Horizontal	84	2.28	-
2440MHz	Pass	AV	2.44G	84.12	Inf	-Inf	3	Horizontal	84	2.28	-
2440MHz	Pass	AV	2.488G	36.59	54.00	-17.41	3	Horizontal	84	2.28	-
2440MHz	Pass	PK	2.3428G	58.05	74.00	-15.95	3	Horizontal	84	2.28	-
2440MHz	Pass	PK	2.44G	106.62	Inf	-Inf	3	Horizontal	84	2.28	-
2440MHz	Pass	PK	2.488G	59.09	74.00	-14.91	3	Horizontal	84	2.28	-
2440MHz	Pass	AV	4.88074G	23.03	54.00	-30.97	3	Vertical	294	1.11	-
2440MHz	Pass	PK	4.88074G	46.53	74.00	-27.47	3	Vertical	294	1.11	-
2440MHz	Pass	AV	4.88099G	23.72	54.00	-30.28	3	Horizontal	64	1.14	-
2440MHz	Pass	PK	4.88099G	46.22	74.00	-27.78	3	Horizontal	64	1.14	-
2480MHz	Pass	AV	2.48G	77.31	Inf	-Inf	3	Vertical	187	2.44	-
2480MHz	Pass	AV	2.4835G	36.90	54.00	-17.10	3	Vertical	187	2.44	-
2480MHz	Pass	PK	2.48G	99.81	Inf	-Inf	3	Vertical	187	2.44	-
2480MHz	Pass	PK	2.4835G	59.40	74.00	-14.60	3	Vertical	187	2.44	-
2480MHz	Pass	AV	2.48G	82.82	Inf	-Inf	3	Horizontal	86	2.35	-
2480MHz	Pass	AV	2.4862G	37.66	54.00	-16.34	3	Horizontal	86	2.35	-
2480MHz	Pass	PK	2.48G	105.32	Inf	-Inf	3	Horizontal	86	2.35	-
2480MHz	Pass	PK	2.4862G	60.16	74.00	-13.84	3	Horizontal	86	2.35	-
2480MHz	Pass	AV	4.95916G	24.32	54.00	-29.68	3	Vertical	235	1.27	-
2480MHz	Pass	PK	4.95916G	46.82	74.00	-27.18	3	Vertical	235	1.27	-
2480MHz	Pass	AV	4.95927G	24.10	54.00	-29.90	3	Horizontal	69	1.45	-
2480MHz	Pass	PK	4.95927G	46.60	74.00	-27.40	3	Horizontal	69	1.45	-

BT-BR(1Mbps)

2402MHz_TX

16/08/2020

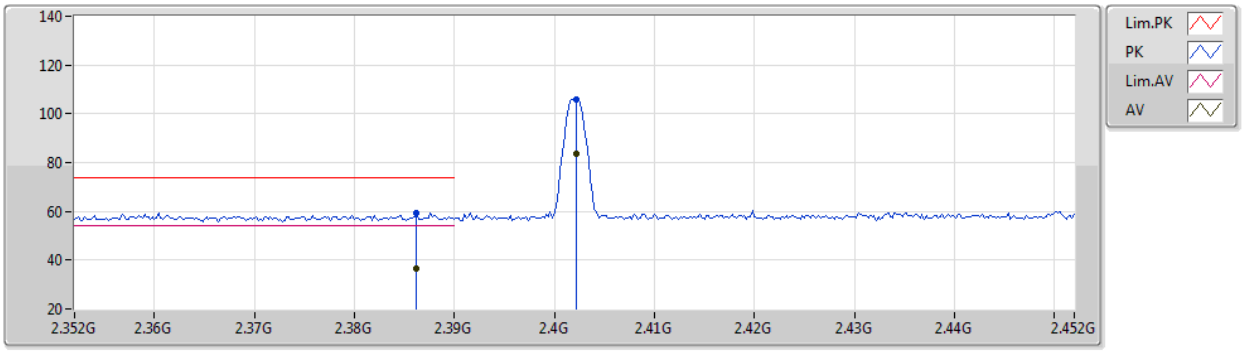


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3624G	36.66	54.00	-17.34	31.94	3	Vertical	191	2.14	-	4.72	27.68	4.26	-
AV	2.4022G	97.68	Inf	-Inf	31.90	3	Vertical	191	2.14	-	65.78	27.60	4.30	-
PK	2.3624G	59.16	74.00	-14.84	31.94	3	Vertical	191	2.14	-	27.22	27.68	4.26	-
PK	2.4022G	97.68	Inf	-Inf	31.90	3	Vertical	191	2.14	-	65.78	27.60	4.30	-

BT-BR(1Mbps)

2402MHz_TX

16/08/2020

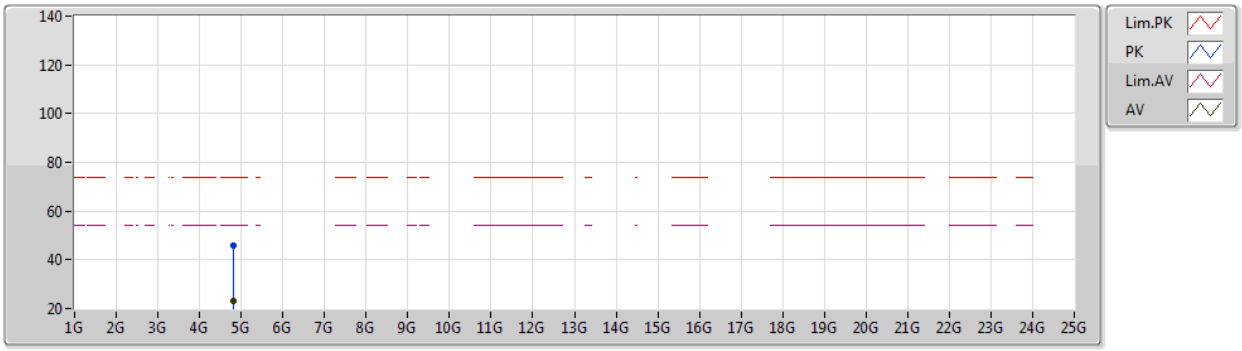


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3862G	36.74	54.00	-17.26	31.92	3	Horizontal	92	2.34	-	4.82	27.63	4.29	-
AV	2.4022G	83.62	Inf	-Inf	31.90	3	Horizontal	92	2.34	-	51.72	27.60	4.30	-
PK	2.3862G	59.24	74.00	-14.76	31.92	3	Horizontal	92	2.34	-	27.32	27.63	4.29	-
PK	2.4022G	106.12	Inf	-Inf	31.90	3	Horizontal	92	2.34	-	74.22	27.60	4.30	-

BT-BR(1Mbps)

2402MHz_TX

16/08/2020

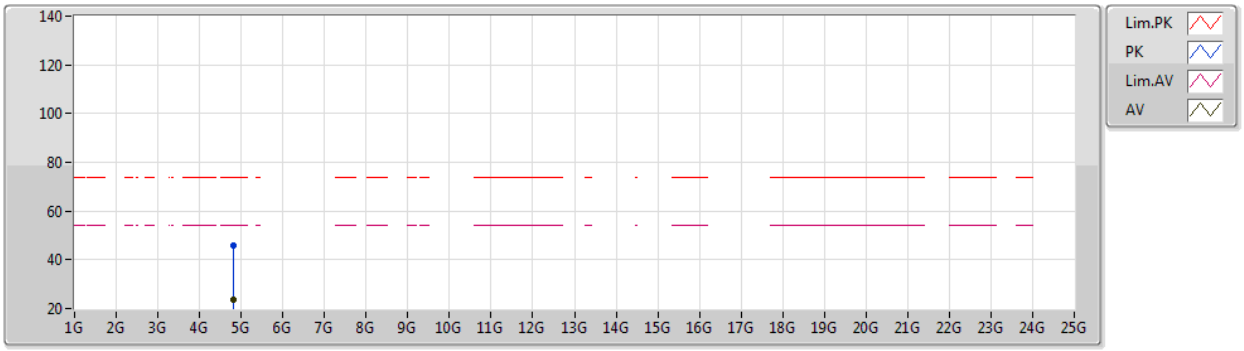


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80395G	23.17	54.00	-30.83	8.19	3	Vertical	75	1.50	-	14.98	31.10	6.50	29.41
PK	4.80395G	45.67	74.00	-28.33	8.19	3	Vertical	75	1.50	-	37.48	31.10	6.50	29.41

BT-BR(1Mbps)

2402MHz_TX

16/08/2020

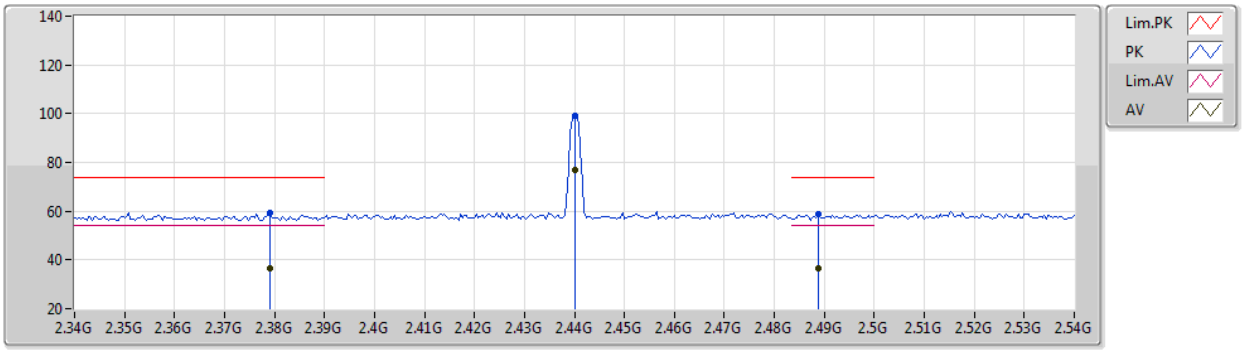


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80366G	23.39	54.00	-30.61	8.19	3	Horizontal	277	2.83	-	15.20	31.10	6.50	29.41
PK	4.80366G	45.89	74.00	-28.11	8.19	3	Horizontal	277	2.83	-	37.70	31.10	6.50	29.41

BT-BR(1Mbps)

2440MHz_TX

16/08/2020

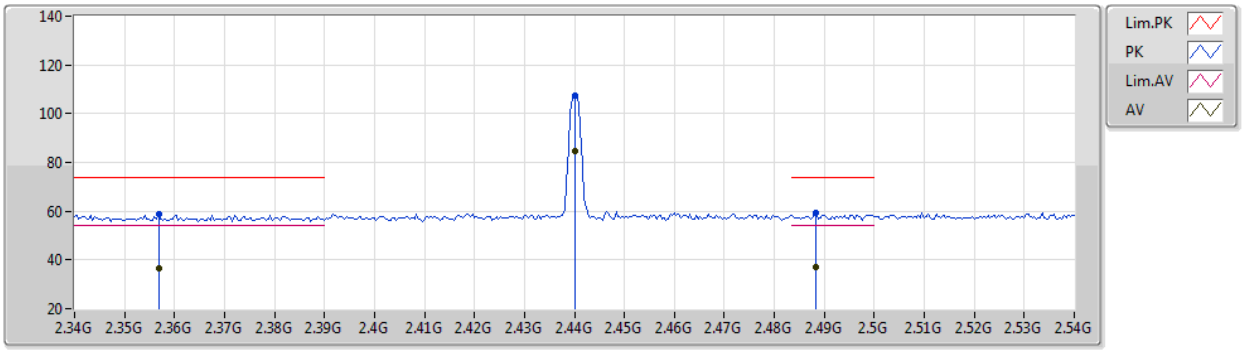


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3792G	36.77	54.00	-17.23	31.92	3	Vertical	189	2.32	-	4.85	27.64	4.28	-
AV	2.44G	76.66	Inf	-Inf	31.86	3	Vertical	189	2.32	-	44.80	27.52	4.34	-
AV	2.4888G	36.51	54.00	-17.49	31.81	3	Vertical	189	2.32	-	4.70	27.42	4.39	-
PK	2.3792G	59.27	74.00	-14.73	31.92	3	Vertical	189	2.32	-	27.35	27.64	4.28	-
PK	2.44G	99.16	Inf	-Inf	31.86	3	Vertical	189	2.32	-	67.30	27.52	4.34	-
PK	2.4888G	59.01	74.00	-14.99	31.81	3	Vertical	189	2.32	-	27.20	27.42	4.39	-

BT-BR(1Mbps)

2440MHz_TX

16/08/2020

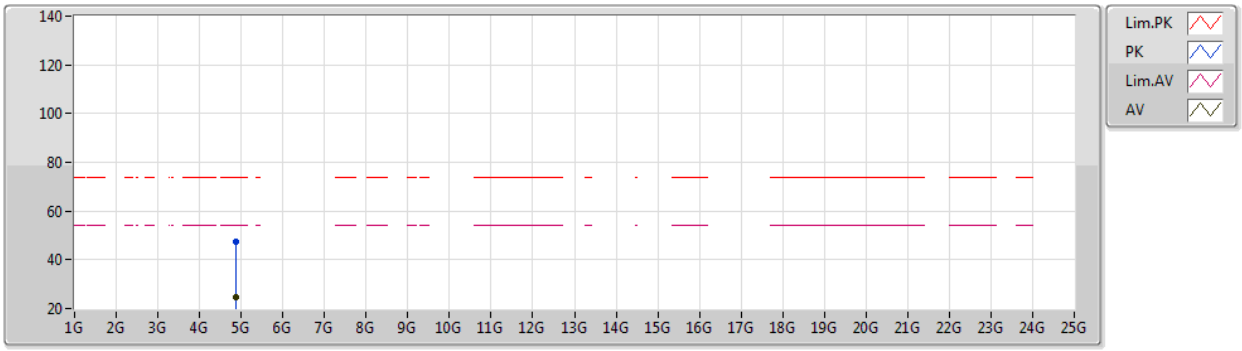


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3568G	36.46	54.00	-17.54	31.95	3	Horizontal	83	2.28	-	4.51	27.69	4.26	-
AV	2.44G	84.83	Inf	-Inf	31.86	3	Horizontal	83	2.28	-	52.97	27.52	4.34	-
AV	2.4884G	36.91	54.00	-17.09	31.81	3	Horizontal	83	2.28	-	5.10	27.42	4.39	-
PK	2.3568G	58.96	74.00	-15.04	31.95	3	Horizontal	83	2.28	-	27.01	27.69	4.26	-
PK	2.44G	107.33	Inf	-Inf	31.86	3	Horizontal	83	2.28	-	75.47	27.52	4.34	-
PK	2.4884G	59.41	74.00	-14.59	31.81	3	Horizontal	83	2.28	-	27.60	27.42	4.39	-

BT-BR(1Mbps)

2440MHz_TX

16/08/2020

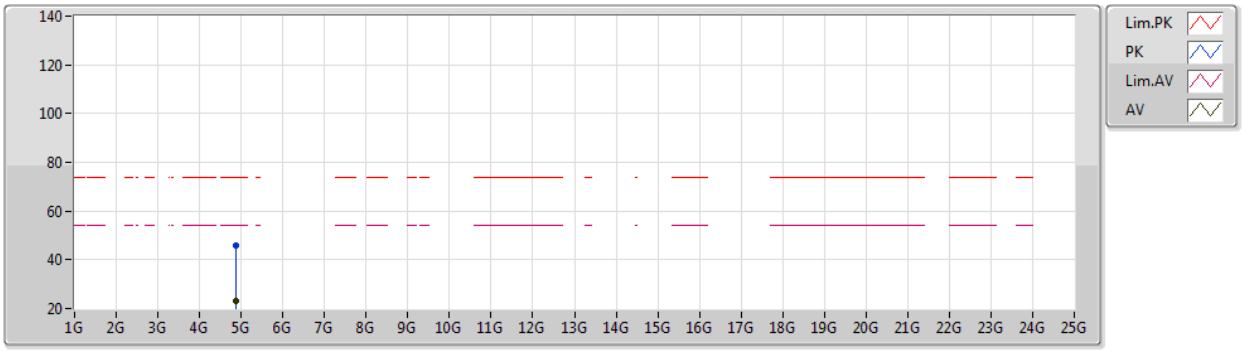


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87935G	24.67	54.00	-29.33	8.30	3	Vertical	87	2.34	-	16.37	31.10	6.58	29.38
PK	4.87935G	47.17	74.00	-26.83	8.30	3	Vertical	87	2.34	-	38.87	31.10	6.58	29.38

BT-BR(1Mbps)

2440MHz_TX

16/08/2020

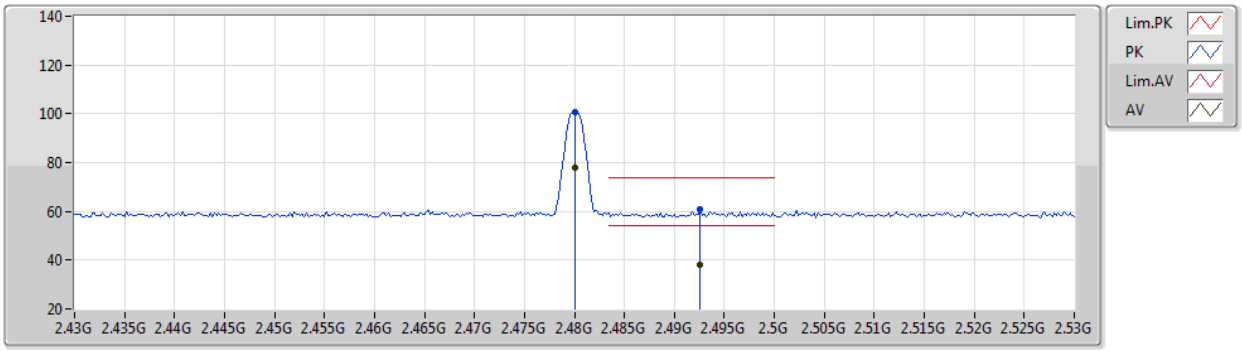


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.88045G	23.14	54.00	-30.86	8.31	3	Horizontal	223	1.52	-	14.83	31.10	6.58	29.37
PK	4.88045G	45.64	74.00	-28.36	8.31	3	Horizontal	223	1.52	-	37.33	31.10	6.58	29.37

BT-BR(1Mbps)

2480MHz_TX

16/08/2020

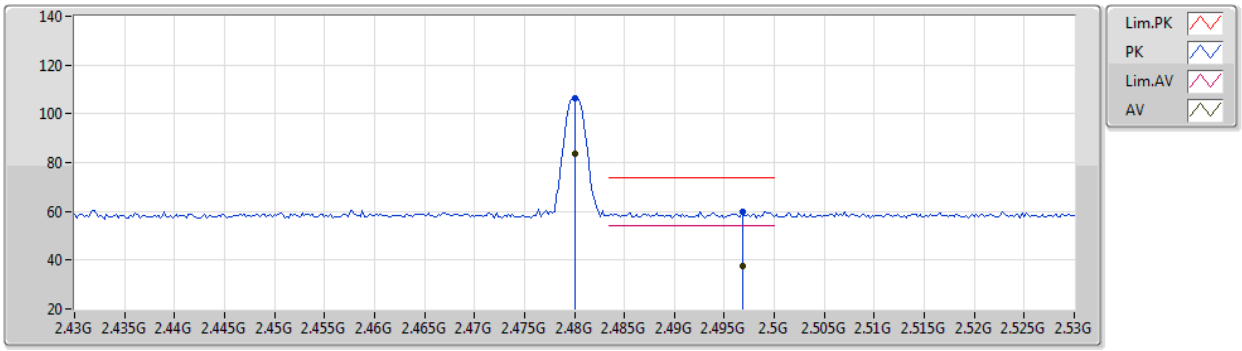


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	78.09	Inf	-Inf	31.82	3	Vertical	186	2.45	-	46.27	27.44	4.38	-
AV	2.4926G	38.33	54.00	-15.67	31.80	3	Vertical	186	2.45	-	6.53	27.41	4.39	-
PK	2.48G	100.59	Inf	-Inf	31.82	3	Vertical	186	2.45	-	68.77	27.44	4.38	-
PK	2.4926G	60.83	74.00	-13.17	31.80	3	Vertical	186	2.45	-	29.03	27.41	4.39	-

BT-BR(1Mbps)

2480MHz_TX

16/08/2020

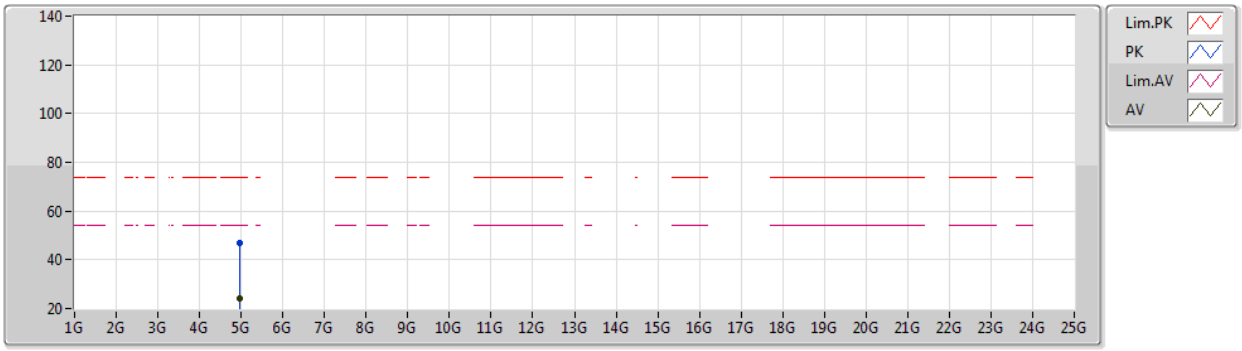


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	83.79	Inf	-Inf	31.82	3	Horizontal	86	2.34	-	51.97	27.44	4.38	-
AV	2.4968G	37.58	54.00	-16.42	31.81	3	Horizontal	86	2.34	-	5.77	27.41	4.40	-
PK	2.48G	106.29	Inf	-Inf	31.82	3	Horizontal	86	2.34	-	74.47	27.44	4.38	-
PK	2.4968G	60.08	74.00	-13.92	31.81	3	Horizontal	86	2.34	-	28.27	27.41	4.40	-

BT-BR(1Mbps)

2480MHz_TX

16/08/2020

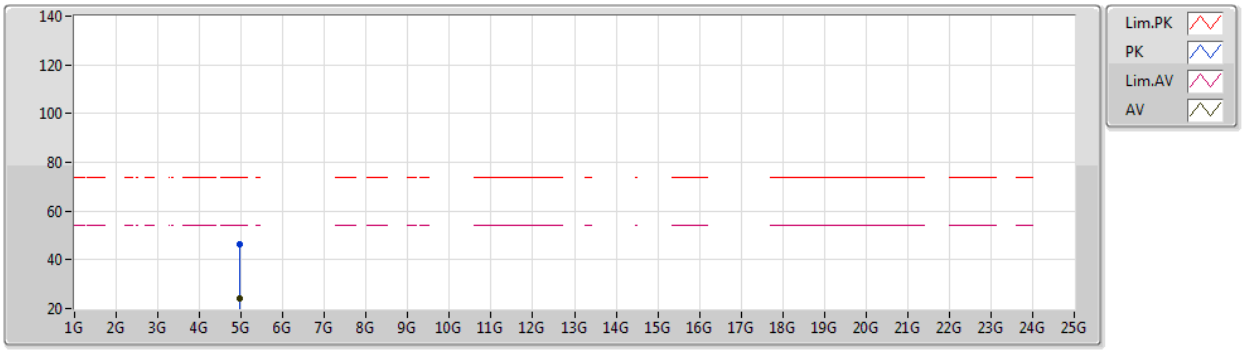


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.95973G	24.21	54.00	-29.79	8.52	3	Vertical	27	1.86	-	15.69	31.20	6.66	29.34
PK	4.95973G	46.71	74.00	-27.29	8.52	3	Vertical	27	1.86	-	38.19	31.20	6.66	29.34

BT-BR(1Mbps)

2480MHz_TX

16/08/2020

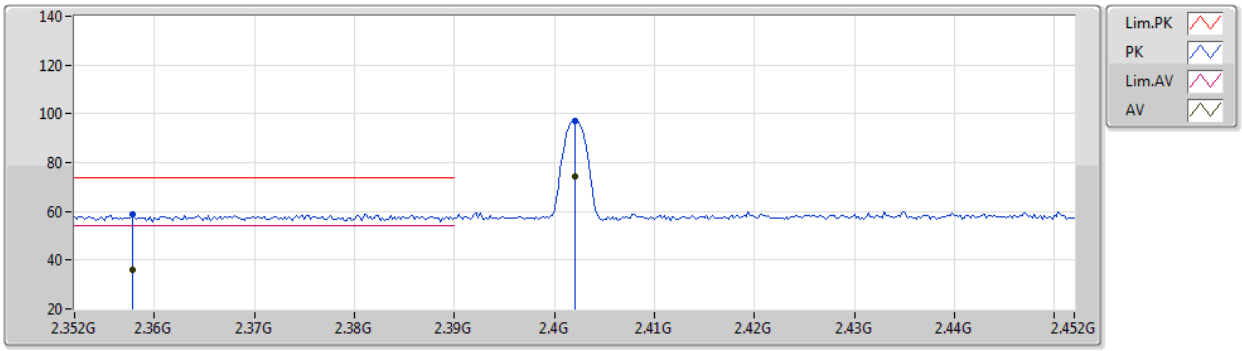


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.96092G	24.02	54.00	-29.98	8.52	3	Horizontal	320	1.65	-	15.50	31.20	6.66	29.34
PK	4.96092G	46.52	74.00	-27.48	8.52	3	Horizontal	320	1.65	-	38.00	31.20	6.66	29.34

BT-EDR(3Mbps)

2402MHz_TX

16/08/2020

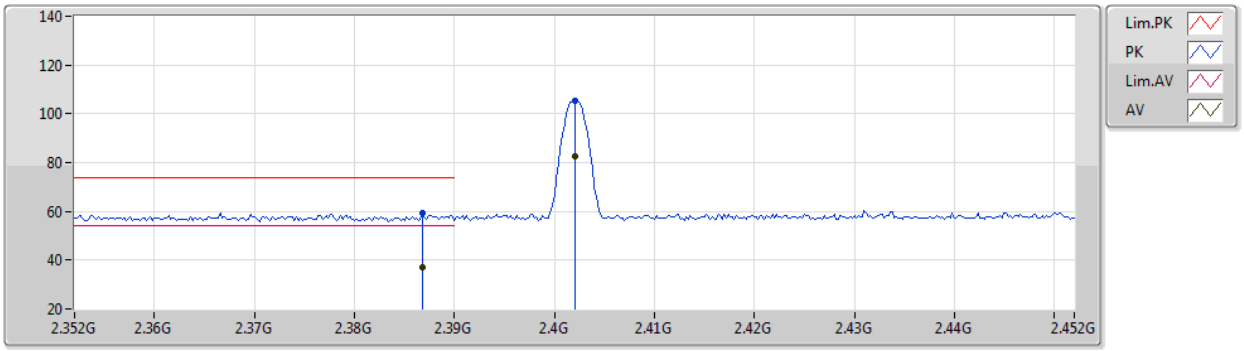


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3578G	36.29	54.00	-17.71	31.94	3	Vertical	188	2.14	-	4.35	27.68	4.26	-
AV	2.402G	74.34	Inf	-Inf	31.90	3	Vertical	188	2.14	-	42.44	27.60	4.30	-
PK	2.3578G	58.79	74.00	-15.21	31.94	3	Vertical	188	2.14	-	26.85	27.68	4.26	-
PK	2.402G	96.84	Inf	-Inf	31.90	3	Vertical	188	2.14	-	64.94	27.60	4.30	-

BT-EDR(3Mbps)

2402MHz_TX

16/08/2020

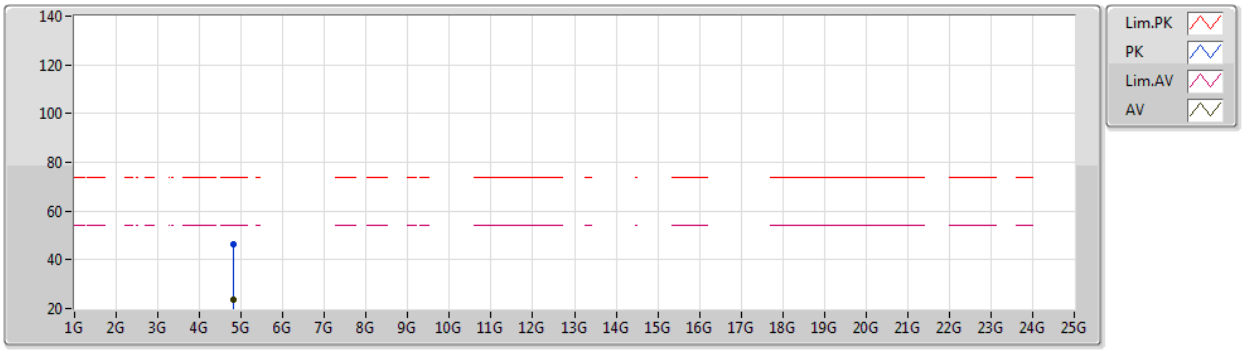


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3868G	36.96	54.00	-17.04	31.92	3	Horizontal	93	2.34	-	5.04	27.63	4.29	-
AV	2.402G	82.79	Inf	-Inf	31.90	3	Horizontal	93	2.34	-	50.89	27.60	4.30	-
PK	2.3868G	59.46	74.00	-14.54	31.92	3	Horizontal	93	2.34	-	27.54	27.63	4.29	-
PK	2.402G	105.29	Inf	-Inf	31.90	3	Horizontal	93	2.34	-	73.39	27.60	4.30	-

BT-EDR(3Mbps)

2402MHz_TX

16/08/2020

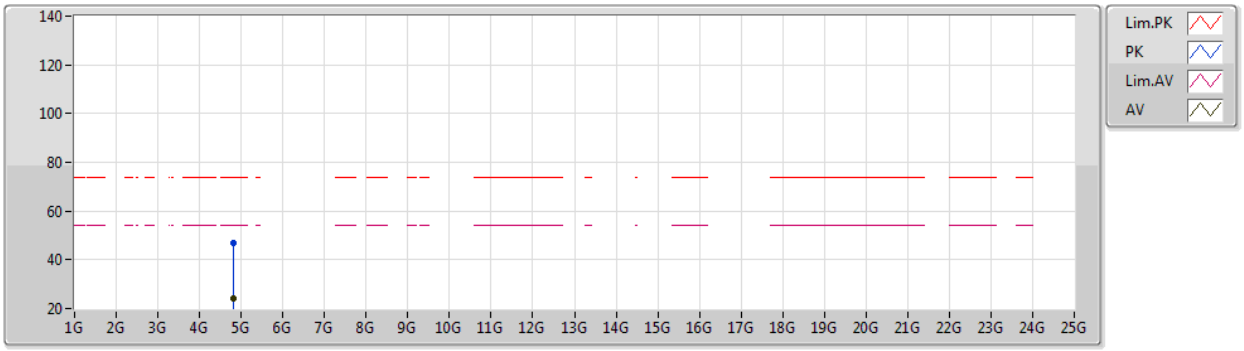


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80495G	23.81	54.00	-30.19	8.19	3	Vertical	19	1.76	-	15.62	31.10	6.50	29.41
PK	4.80495G	46.31	74.00	-27.69	8.19	3	Vertical	19	1.76	-	38.12	31.10	6.50	29.41

BT-EDR(3Mbps)

2402MHz_TX

16/08/2020

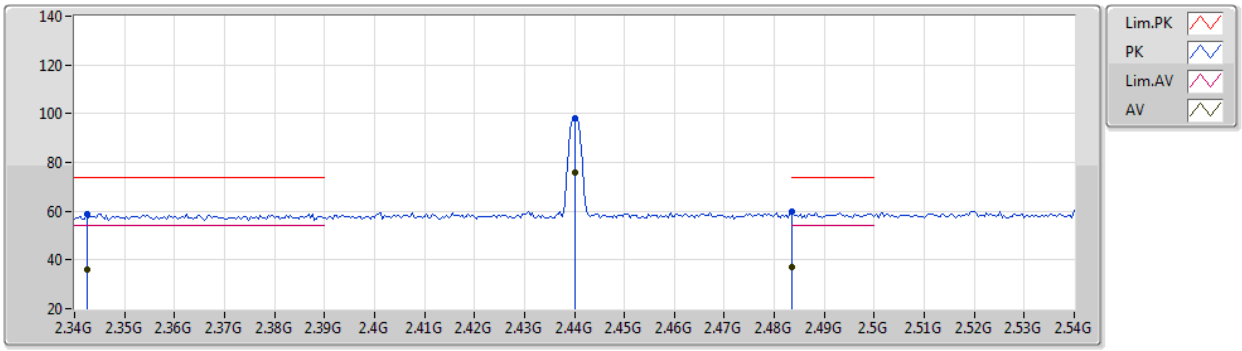


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80324G	24.23	54.00	-29.77	8.19	3	Horizontal	83	1.55	-	16.04	31.10	6.50	29.41
PK	4.80324G	46.73	74.00	-27.27	8.19	3	Horizontal	83	1.55	-	38.54	31.10	6.50	29.41

BT-EDR(3Mbps)

2440MHz_TX

16/08/2020

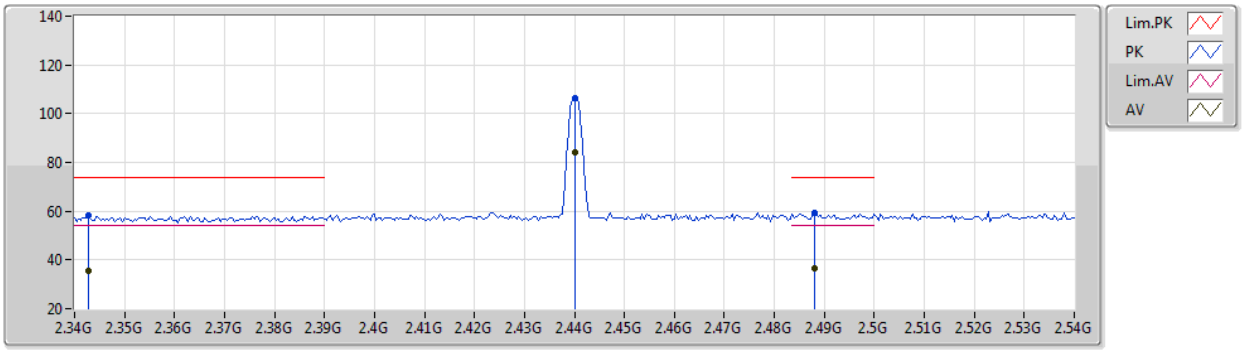


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3424G	36.29	54.00	-17.71	31.97	3	Vertical	189	2.33	-	4.32	27.73	4.24	-
AV	2.44G	75.84	Inf	-Inf	31.86	3	Vertical	189	2.33	-	43.98	27.52	4.34	-
AV	2.4835G	37.21	54.00	-16.79	31.81	3	Vertical	189	2.33	-	5.40	27.43	4.38	-
PK	2.3424G	58.79	74.00	-15.21	31.97	3	Vertical	189	2.33	-	26.82	27.73	4.24	-
PK	2.44G	98.34	Inf	-Inf	31.86	3	Vertical	189	2.33	-	66.48	27.52	4.34	-
PK	2.4835G	59.71	74.00	-14.29	31.81	3	Vertical	189	2.33	-	27.90	27.43	4.38	-

BT-EDR(3Mbps)

2440MHz_TX

16/08/2020

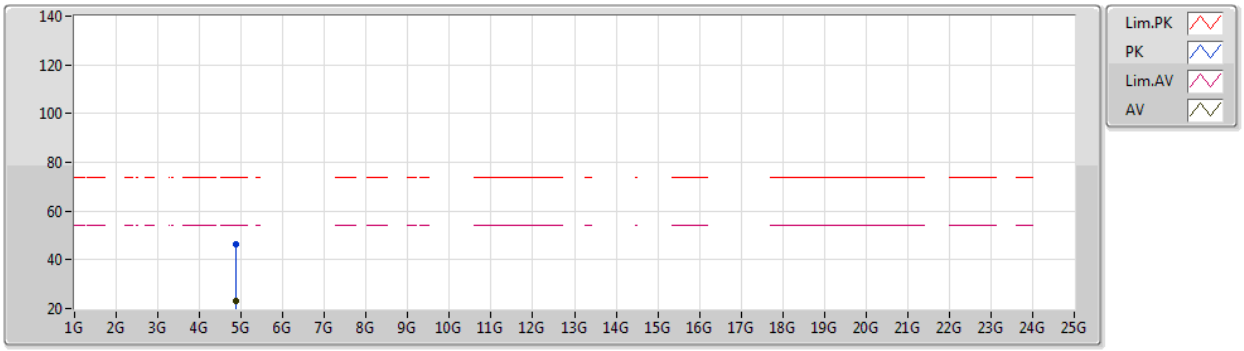


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3428G	35.55	54.00	-18.45	31.97	3	Horizontal	84	2.28	-	3.58	27.73	4.24	-
AV	2.44G	84.12	Inf	-Inf	31.86	3	Horizontal	84	2.28	-	52.26	27.52	4.34	-
AV	2.488G	36.59	54.00	-17.41	31.81	3	Horizontal	84	2.28	-	4.78	27.42	4.39	-
PK	2.3428G	58.05	74.00	-15.95	31.97	3	Horizontal	84	2.28	-	26.08	27.73	4.24	-
PK	2.44G	106.62	Inf	-Inf	31.86	3	Horizontal	84	2.28	-	74.76	27.52	4.34	-
PK	2.488G	59.09	74.00	-14.91	31.81	3	Horizontal	84	2.28	-	27.28	27.42	4.39	-

BT-EDR(3Mbps)

2440MHz_TX

16/08/2020

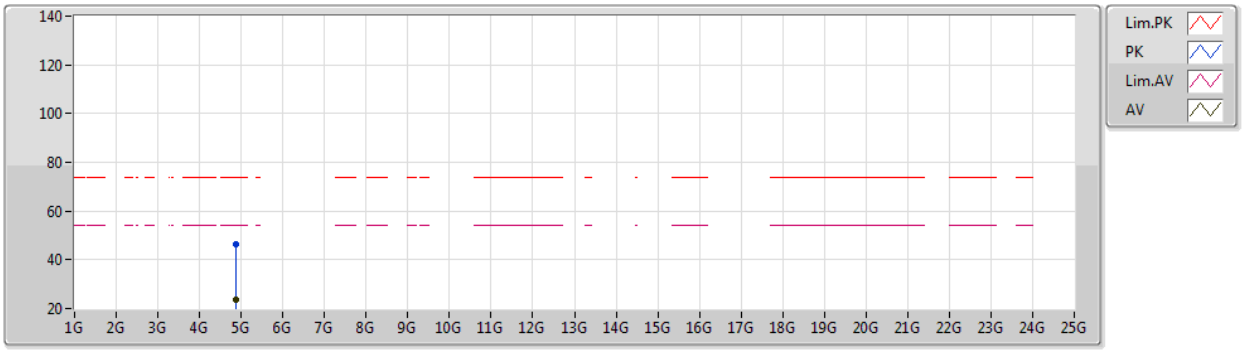


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.88074G	23.03	54.00	-30.97	8.31	3	Vertical	294	1.11	-	14.72	31.10	6.58	29.37
PK	4.88074G	46.53	74.00	-27.47	8.31	3	Vertical	294	1.11	-	38.22	31.10	6.58	29.37

BT-EDR(3Mbps)

2440MHz_TX

16/08/2020

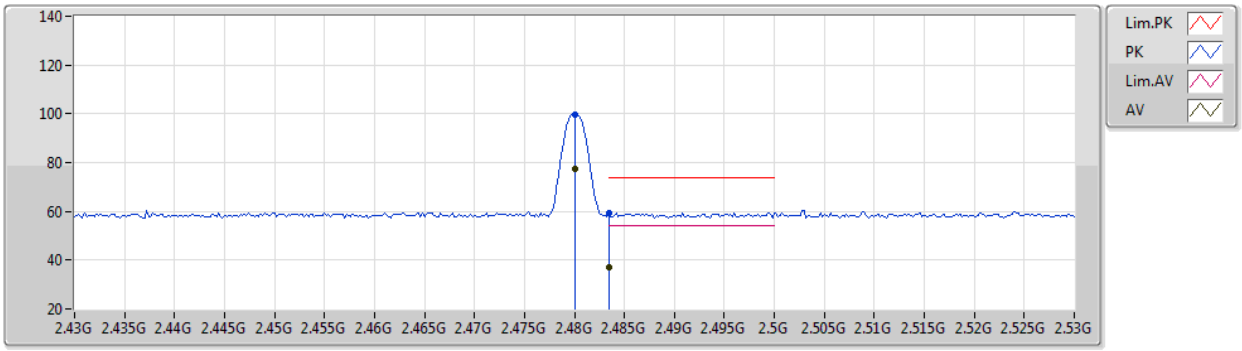


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.88099G	23.72	54.00	-30.28	8.31	3	Horizontal	64	1.14	-	15.41	31.10	6.58	29.37
PK	4.88099G	46.22	74.00	-27.78	8.31	3	Horizontal	64	1.14	-	37.91	31.10	6.58	29.37

BT-EDR(3Mbps)

2480MHz_TX

16/08/2020

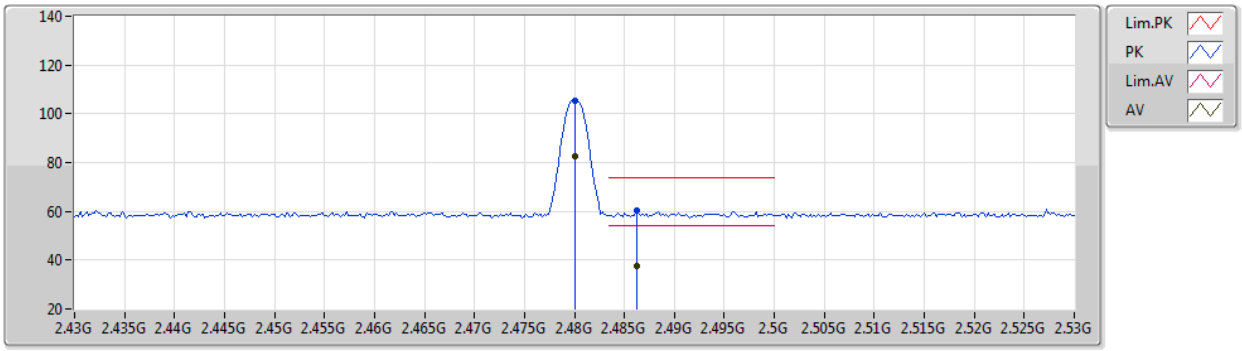


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	77.31	Inf	-Inf	31.82	3	Vertical	187	2.44	-	45.49	27.44	4.38	-
AV	2.4835G	36.90	54.00	-17.10	31.81	3	Vertical	187	2.44	-	5.09	27.43	4.38	-
PK	2.48G	99.81	Inf	-Inf	31.82	3	Vertical	187	2.44	-	67.99	27.44	4.38	-
PK	2.4835G	59.40	74.00	-14.60	31.81	3	Vertical	187	2.44	-	27.59	27.43	4.38	-

BT-EDR(3Mbps)

2480MHz_TX

16/08/2020

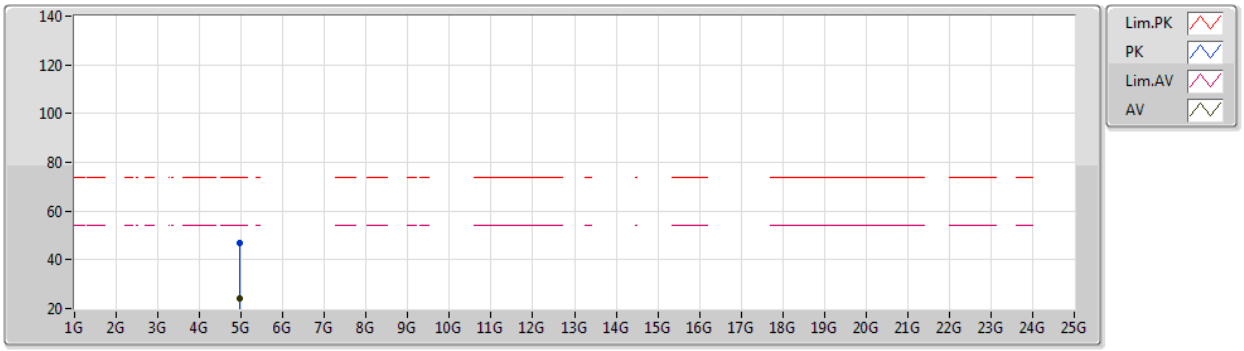


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	82.82	Inf	-Inf	31.82	3	Horizontal	86	2.35	-	51.00	27.44	4.38	-
AV	2.4862G	37.66	54.00	-16.34	31.82	3	Horizontal	86	2.35	-	5.84	27.43	4.39	-
PK	2.48G	105.32	Inf	-Inf	31.82	3	Horizontal	86	2.35	-	73.50	27.44	4.38	-
PK	2.4862G	60.16	74.00	-13.84	31.82	3	Horizontal	86	2.35	-	28.34	27.43	4.39	-

BT-EDR(3Mbps)

2480MHz_TX

16/08/2020

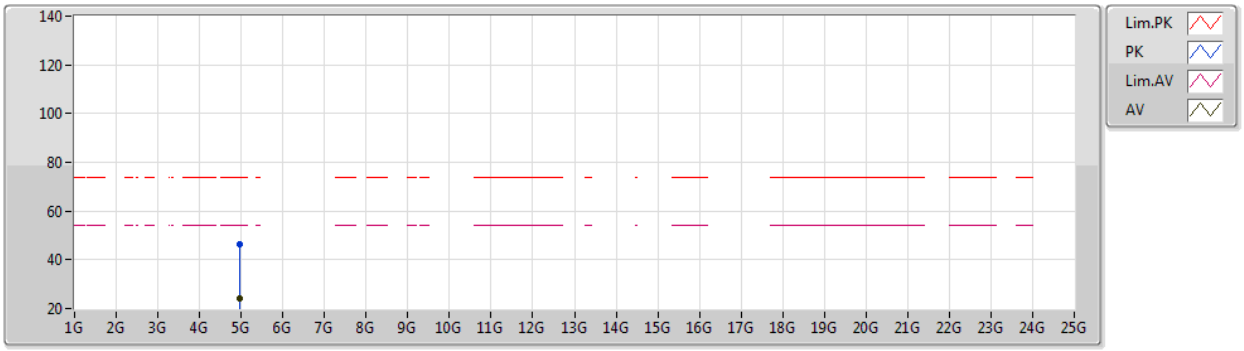


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.95916G	24.32	54.00	-29.68	8.52	3	Vertical	235	1.27	-	15.80	31.20	6.66	29.34
PK	4.95916G	46.82	74.00	-27.18	8.52	3	Vertical	235	1.27	-	38.30	31.20	6.66	29.34

BT-EDR(3Mbps)

2480MHz_TX

16/08/2020



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	4.95927G	24.10	54.00	-29.90	8.52	3	Horizontal	69	1.45	-	15.58	31.20	6.66	29.34
PK	4.95927G	46.60	74.00	-27.40	8.52	3	Horizontal	69	1.45	-	38.08	31.20	6.66	29.34