

NCC Test Report

Equipment : Wireless Belt Pack
Brand Name : Clear-Com
Model Name : BP2G4A
Applicant / Manufacturer : Clear-Com LLC
1301 Marina Village Pkwy, Suite 105 Alameda,
California, 94501 United States
Standard : LP0002 Section 3.10 (2018-01-10)

The product was received on Apr. 16, 2018, and testing was started from May 22, 2018 and completed on May 23, 2018. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

Table of Contents

HISTORY OF THIS TEST REPORT	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Information.....	5
1.2 Testing Applied Standards	7
1.3 Testing Location Information	7
1.4 Measurement Uncertainty	8
2 TEST CONFIGURATION OF EUT.....	9
2.1 Test Condition	9
2.2 Test Channel Mode	9
2.3 The Worst Case Measurement Configuration.....	10
2.4 Accessories and Support Equipment	11
2.5 Test Setup Diagram	12
3 TRANSMITTER TEST RESULT	13
3.1 AC Power-line Conducted Emissions	13
3.2 20dB Bandwidth and Carrier Frequency Separation.....	15
3.3 Maximum Conducted Output Power	16
3.4 Number of Hopping Frequencies and Hopping Bandedge	17
3.5 Time of Occupancy (Dwell Time)	18
3.6 Emissions in Non-restricted Frequency Bands	19
3.7 Emissions in Restricted Frequency Bands.....	20
3.8 Receiver Radiated Spurious Emissions	23
4 TEST EQUIPMENT AND CALIBRATION DATA	26
APPENDIX A. TEST RESULTS OF 20DB BANDWIDTH AND CARRIER FREQUENCY SEPARATION	
APPENDIX B. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER	
APPENDIX C. TEST RESULTS OF NUMBER OF HOPPING FREQUENCIES AND HOPPING BANDEDGE	
APPENDIX D. TEST RESULTS OF TIME OF OCCUPANCY (DWELL TIME)	
APPENDIX E. TEST RESULTS OF EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS	
APPENDIX F. TEST RESULTS OF EMISSIONS IN RESTRICTED FREQUENCY BANDS	
APPENDIX G. TEST RESULTS OF RECEIVER RADIATED UNWANTED EMISSIONS	
APPENDIX H. TEST PHOTOS	
PHOTOGRAPHS OF EUT V01	



History of this test report

[illegible]

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	3.10.1.4	Antenna Requirement	PASS	LP0002-2.2
3.1	2.3	AC Power-line Conducted Emissions	PASS	LP0002-2.3
3.2	3.10.1.6	20dB Bandwidth	PASS	3.10.1.6
3.2	3.10.1.6	Carrier Frequency Separation	PASS	3.10.1.6
3.3	3.10.1.2	Maximum Conducted Output Power	PASS	3.10.1.2
3.4	3.10.1.6	Number of Hopping Frequencies and Hopping Bandedge	PASS	3.10.1.6
3.5	3.10.1.6	Time of Occupancy (Dwell Time)	PASS	3.10.1.6
3.6	3.10.1.5	Emissions in Non-restricted Frequency Bands	PASS	3.10.1.5
3.7	3.10.1.5	Emissions in Restricted Frequency Bands	PASS	Restricted Bands: LP0002-2.8
3.8	2.11	Receiver Radiated Unwanted Emissions	PASS	Restricted Bands: LP0002-2.8

Reviewed by: Sam Tsai

Report Producer: Ivy Yuan

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.	Port	Brand	Model Name	Antenna Type	Connector
1	1	Clear-Com, an HME Company	BP2G4A	PCB	fixed on board
2	2	Clear-Com, an HME Company	BP2G4A	PIFA	fixed on board
3	1	Clear-Com, an HME Company	BP2G4A	PCB	fixed on board

Ant.	Gain (dBi)	
	Wireless devices	BT
1	3	-
2	3	-
3	-	2.5

Note 1: The EUT has three antennas.

For Wireless devices mode (1TX/1RX)

Ant. 1 (port 1) can be used as transmitting antenna alone and simultaneously.

Ant. 2 (port 2) can be used as receiving antenna alone and simultaneously.

For BT function:

Ant. 3 (port 1) can be used as transmitting/receiving antenna.

1.1.3 EUT Information

Operational Condition	
EUT Power Type	From Battery
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)	0.783	1.062	2.907m	1k
BT-EDR(2Mbps)	0.781	1.073	2.915m	1k
BT-EDR(3Mbps)	0.75	1.249	2.916m	1k

1.2 Testing Applied Standards

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

- ♦ LP0002 (2018-01-10)
- ♦ Public Notice DA 00-705
- ♦ ANSI C63.10-2013
- ♦ ANSI C63.4-2014

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Andy	23.5°C / 65%	22/May/2018
Radiated	03CH02-HY	Daniel	23.6°C / 52%	23/May/2018

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 °C	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

Condition Item	Abbreviation/Remark	Remark
RF Conducted-DTS	Abbreviation	Remark
TnomVnom	Tnom	20°C
	Vnom	3.7V

2.2 Test Channel Mode

Test Software Version	BlueSuite 2.5.8
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Mode	PowerSetting
BT-BR(1Mbps)	-
2402MHz	63
2441MHz	63
2480MHz	63
BT-EDR(2Mbps)	-
2402MHz	120
2441MHz	120
2480MHz	120
BT-EDR(3Mbps)	-
2402MHz	120
2441MHz	120
2480MHz	120

2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	20dB Bandwidth Carrier Frequency Separation Maximum Conducted Output Power Number of Hopping Frequencies Hopping Bandedge Time of Occupancy (Dwell Time) Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands Receiver Radiated Unwanted 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	Battery mode		
Operating Mode > 1GHz	CTX & CRX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT			V

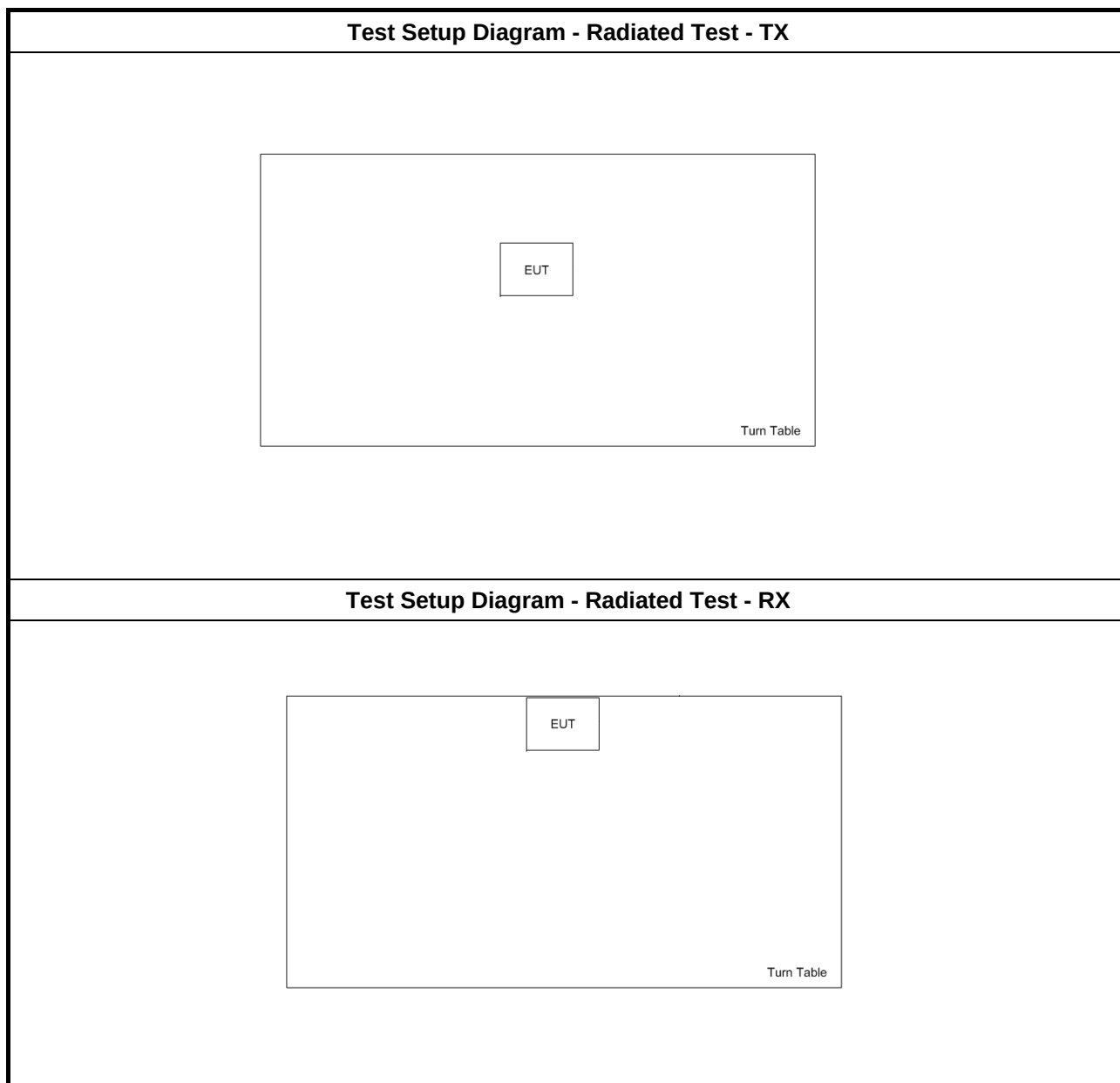
2.4 Accessories and Support Equipment

Accessories				
Battery	Brand Name	Clear-Com	Model Name	BAT60
	Manufacturer	Clear-Com	SN	-
	Power Rating	3.7Vdc, 1.9 Ah	Type	Li-ion, <u>Y</u>

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

Support Equipment – RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC
3	DC Source	G.W	GPS-3030DD	-

2.5 Test Setup Diagram



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

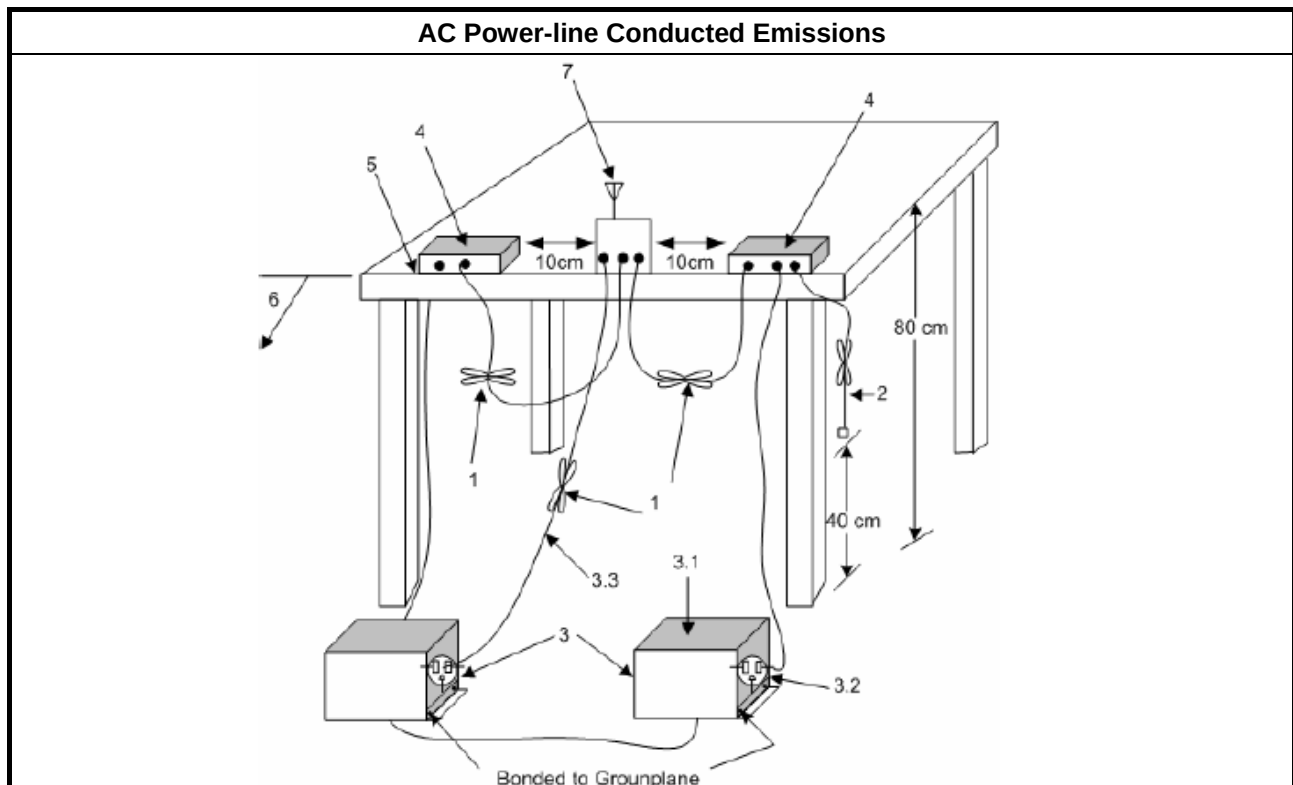
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup





3.1.5 Test Result of AC Power-line Conducted Emissions

Please refer to LP0002-2.3 which states, "Measurements to demonstrate compliance with the conducted limits are not required for devices employ Battery for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines".

Therefore, for this device, AC Power Line Conducted Emissions investigation is not required.

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	

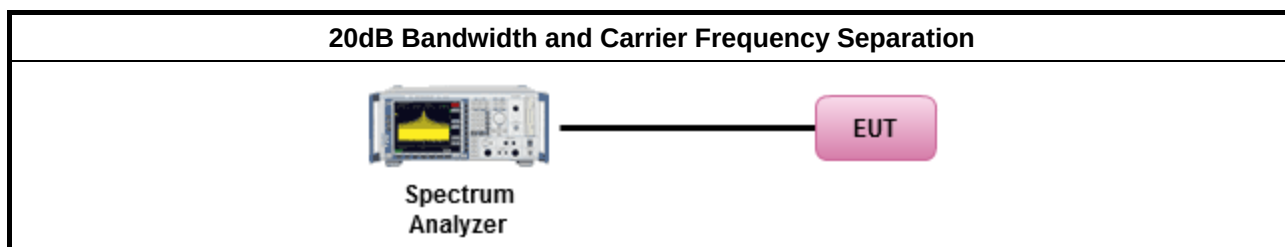
3.2.2 Measuring Instruments

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 A

3.2.6 Test Result of Carrier Frequency Separation

Refer as Appendix A

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	

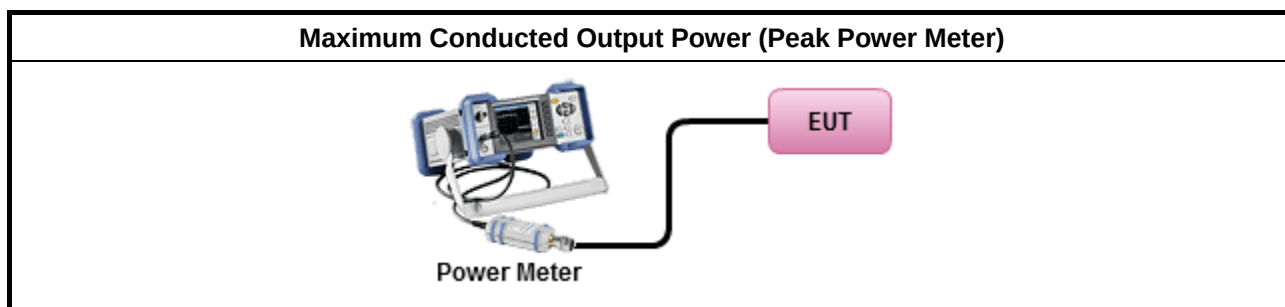
3.3.2 Measuring Instruments

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 B

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

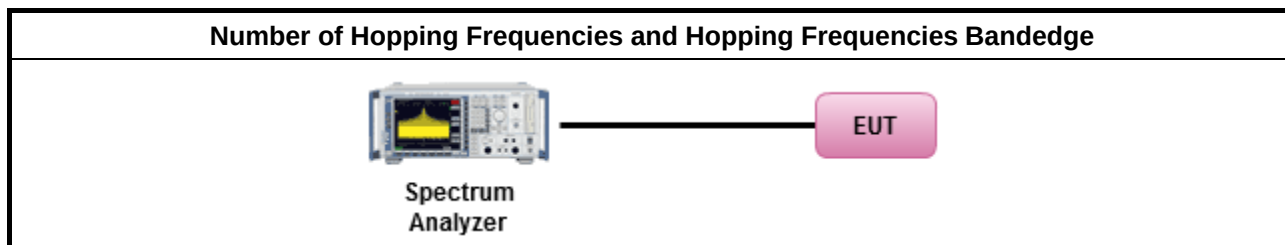
3.4.3 Measuring Instruments

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 C

3.4.7 Test Result of Number of Hopping Frequencies Bandedge

Refer as Appendix C

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	

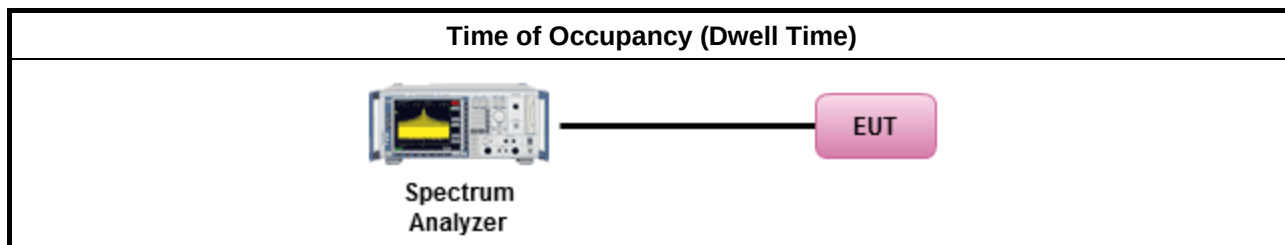
3.5.2 Measuring Instruments

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 D

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.	

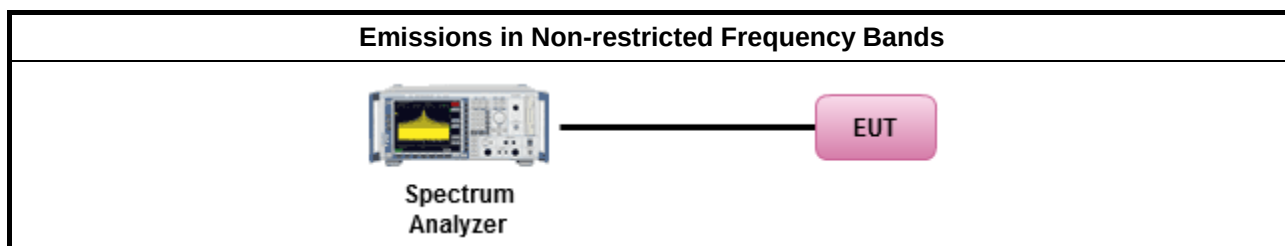
3.6.2 Measuring Instruments

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 E

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.

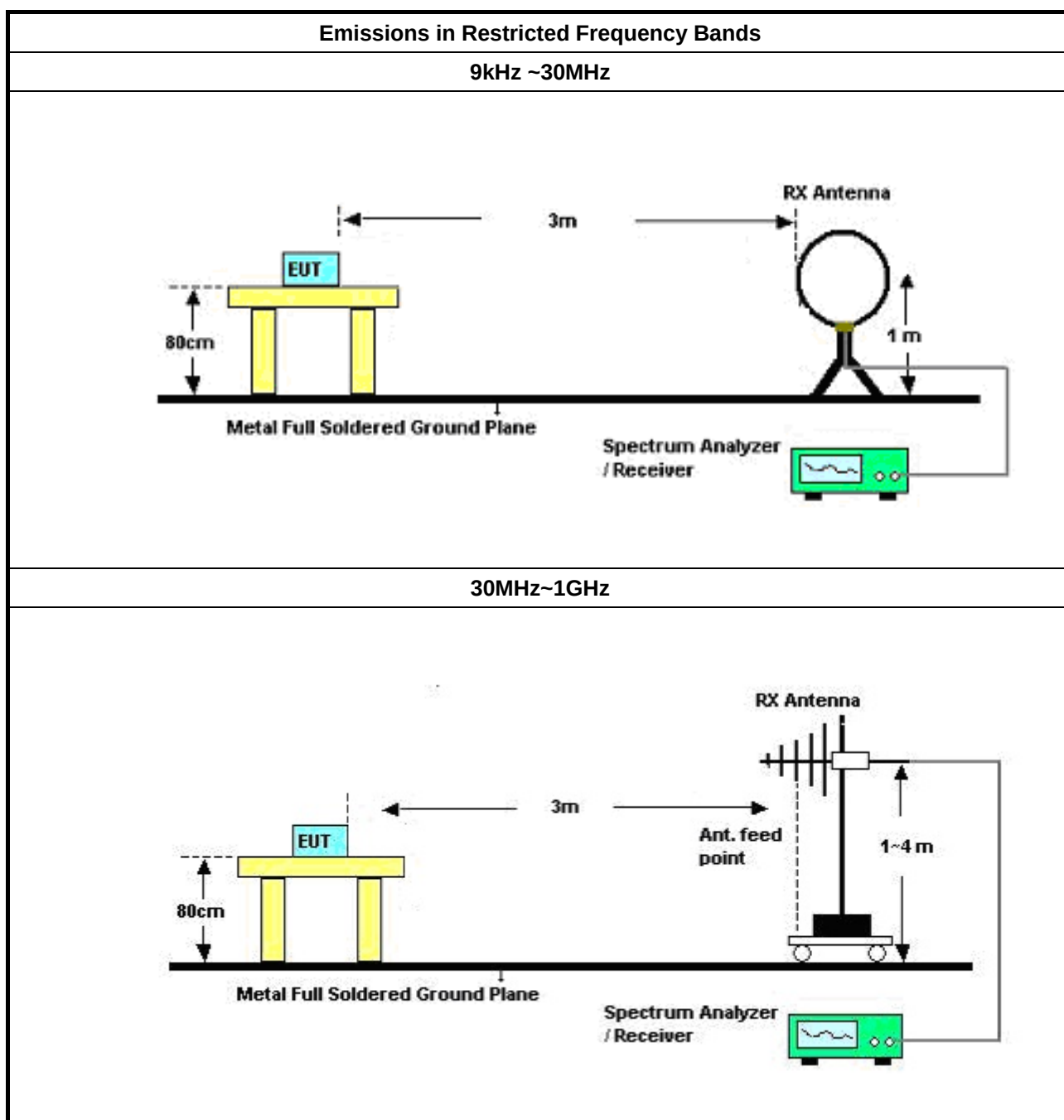
3.7.2 Measuring Instruments

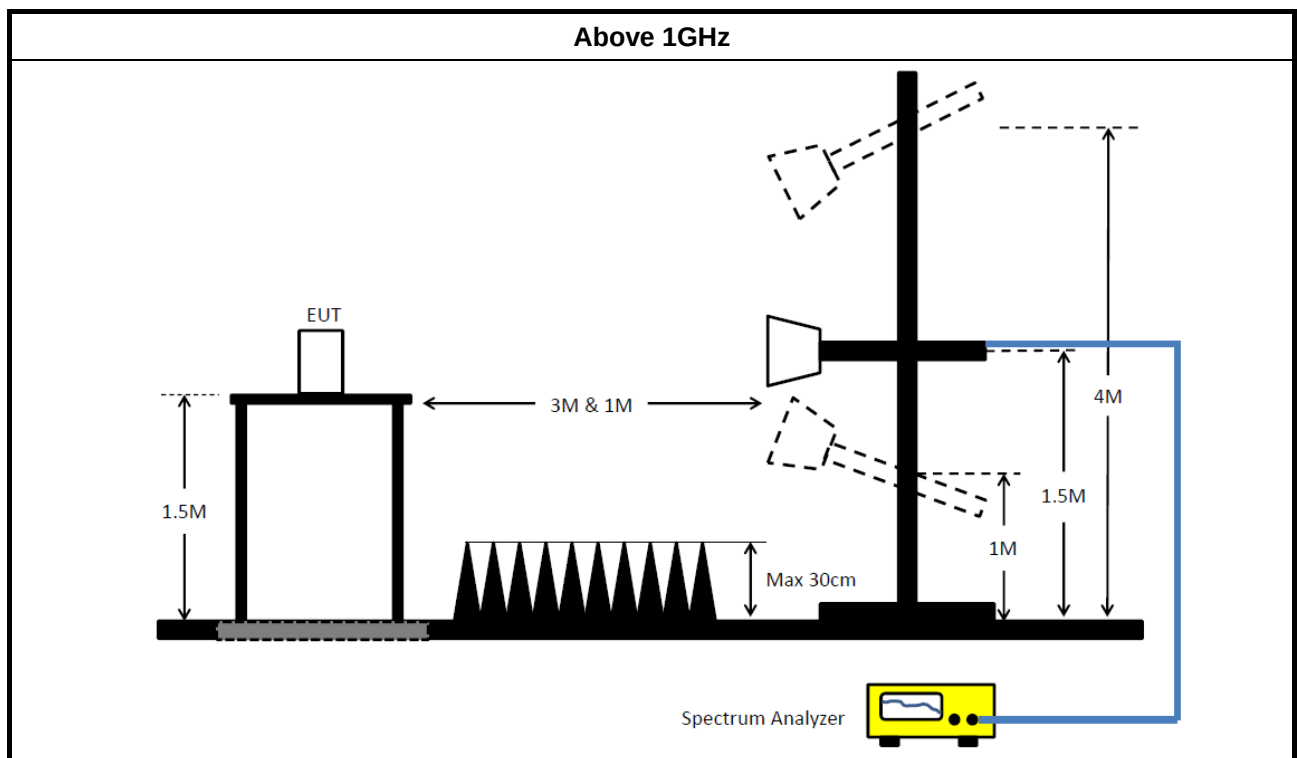
Refer a test equipment and calibration data table in this test report.

3.7.3 Test Procedures

Test Method	
▪ The average emission levels shall be measured in [hopping duty factor].	
▪ Refer as ANSI C63.10; clause 6.9.2.2 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
▪ For the transmitter unwanted emissions shall be measured using following options below:	
	▪ Refer as ANSI C63.10, clause 4.1.4.2.1 QP value.
	▪ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak.
	▪ Refer as ANSI C63.10, clause 4.1.4.2.4 average value of hopping pulsed emissions.

3.7.4 Test Setup





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

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

3.7.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

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.

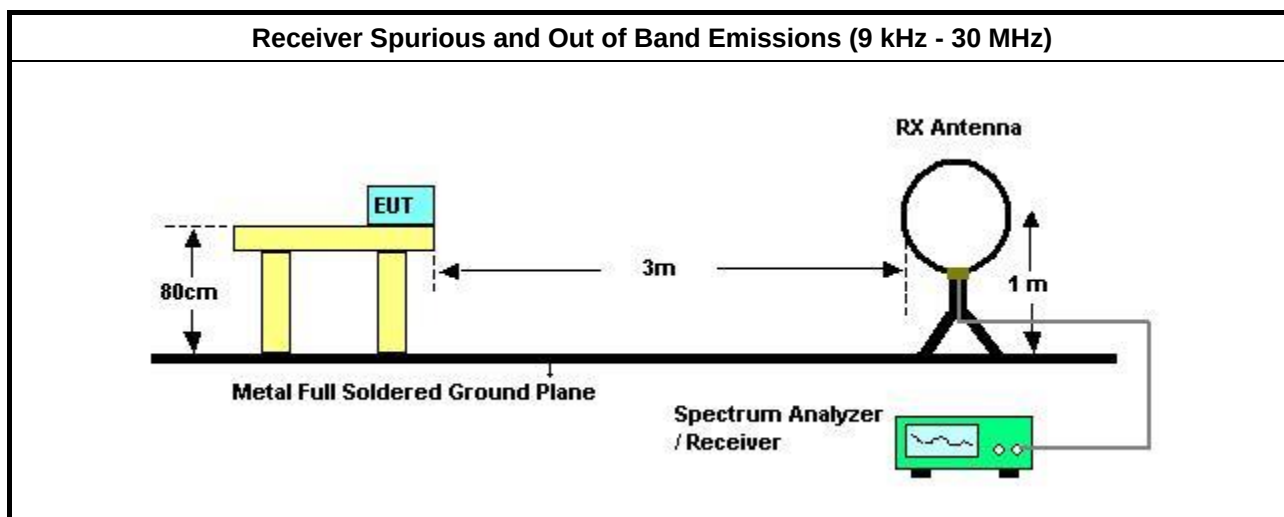
3.8.2 Measuring Instruments

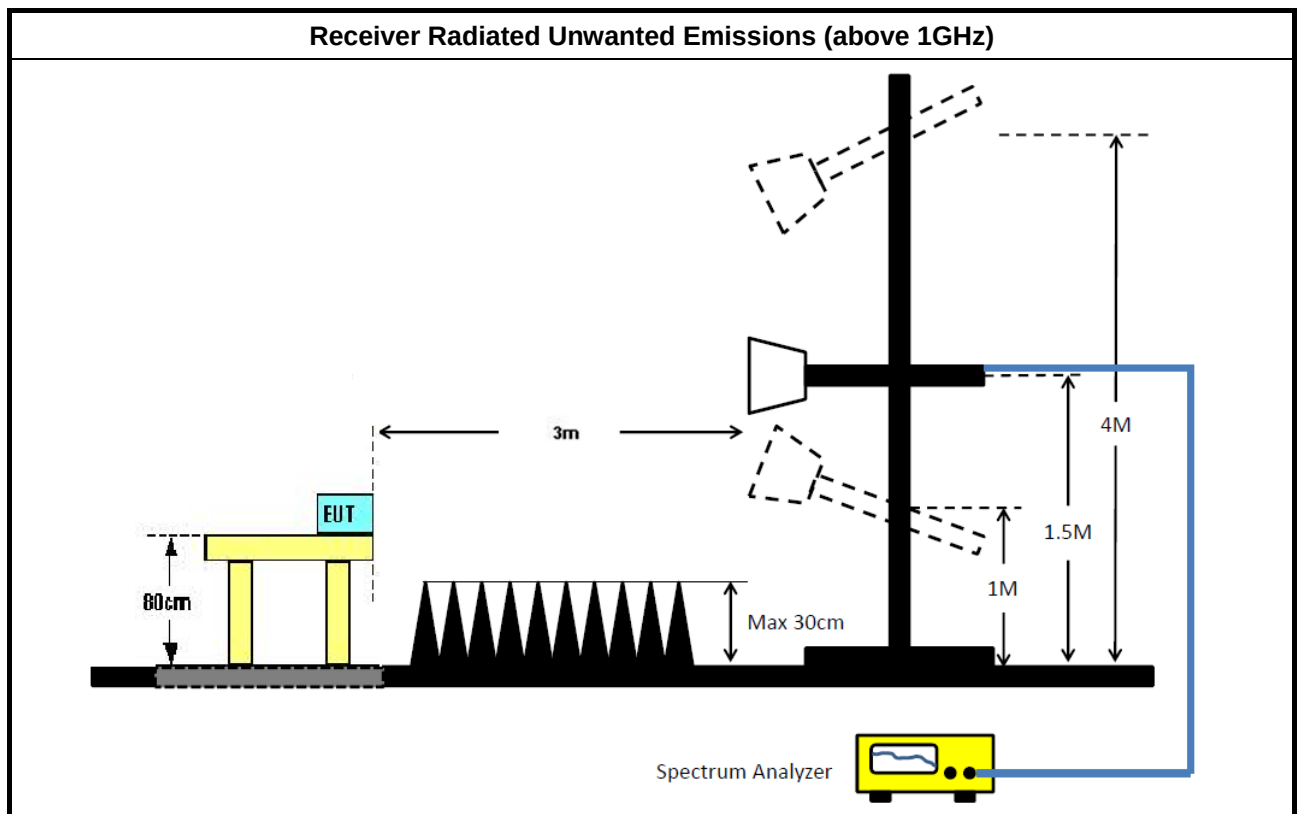
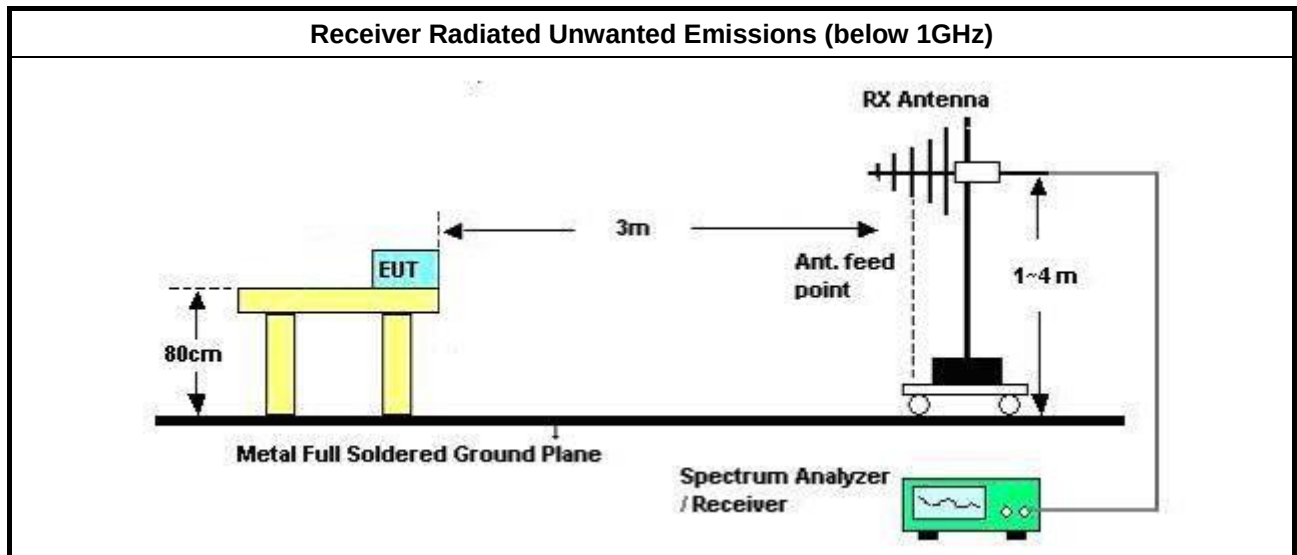
Refer a test equipment and calibration data table in this test report.

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 KDB558074, clause 12.2.7.
☒	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 Test Setup





3.8.5 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.

3.8.6 Test Result of Receiver Radiated Unwanted Emissions

Refer as Appendix G

4 Test Equipment and Calibration Data

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9kHz~40GHz	29/Dec/2017	28/Dec/2018
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	27/Jul/2017	26/Jul/2018
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10712/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10713/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz ~ 1GHz 3m	20/Oct/2017	19/Oct/2018
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz 3m	27/Oct/2017	26/Oct/2018
Amplifier	Agilent	8447D	2944A11149	100kHz ~ 1.3GHz	29Jun/2017	28/Jun/2018
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz ~ 26.5GHz	28/Sep/2017	27/Sep/2018
Spectrum Analyzer	Rohde & Schwarz	FSP40	100593	9KHz - 40GHz	12/Dec/2017	11/Dec/2018
EMI Test Receiver	Rohde & Schwarz	ESCS 30	100354	9kHz ~ 2.75GHz	08/Dec/2017	07/Dec/2018
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	19/Jan/2018	18/Jan/2019
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	19/Jan/2018	18/Jan/2019
Bilog Antenna	SCHAFFNER	CBL 6112B	2723	30MHz ~ 1GHz	09/Sep/2017	08/Sep/2018
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz ~ 40GHz	06/Feb/2018	05/Feb/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA 9120 D 1543	1GHz ~ 18GHz	11/May/2018	10/May/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	31/Aug/2017	30/Aug/2018
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	29/Mar/2018	28/Mar/2019

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	874.563k	875KF1D	915k	872.064k
BT-EDR(2Mbps)	1.273M	1.236M	1M24G1D	1.259M	1.226M
BT-EDR(3Mbps)	1.259M	1.229M	1M23G1D	1.254M	1.222M

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

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

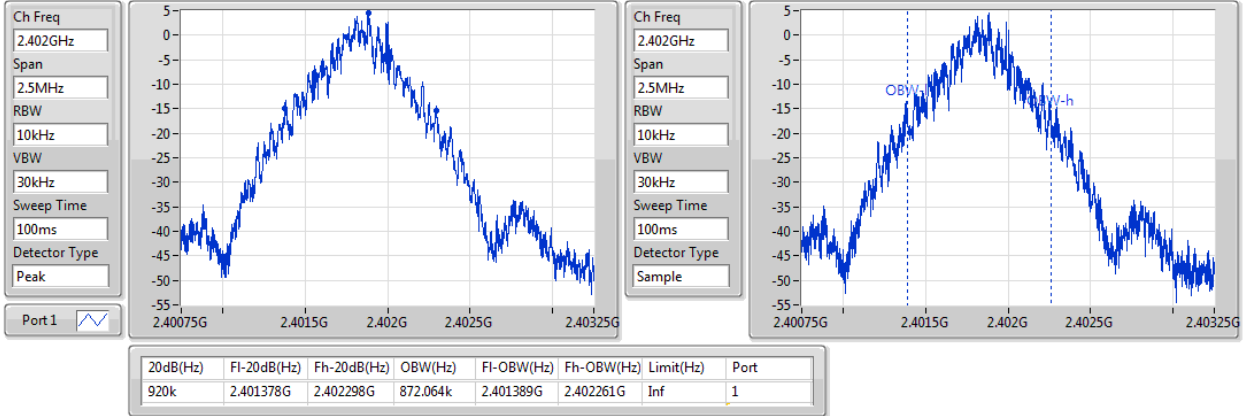
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	Inf	920k	872.064k
2441MHz_TnomVnom	Pass	Inf	915k	874.563k
2480MHz_TnomVnom	Pass	Inf	917.5k	873.313k
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	Inf	1.273M	1.226M
2441MHz_TnomVnom	Pass	Inf	1.265M	1.228M
2480MHz_TnomVnom	Pass	Inf	1.259M	1.236M
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	Inf	1.259M	1.228M
2441MHz_TnomVnom	Pass	Inf	1.254M	1.229M
2480MHz_TnomVnom	Pass	Inf	1.259M	1.222M

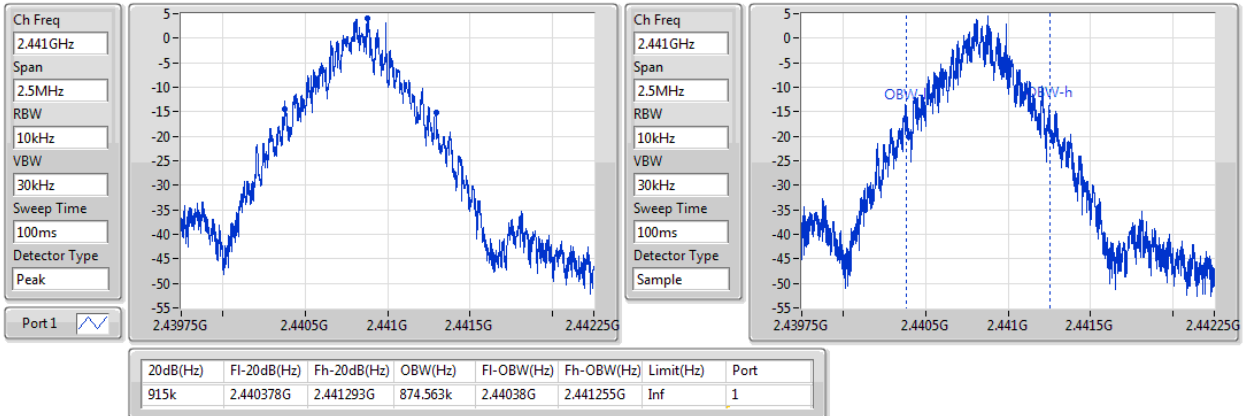
Port X-N dB = Port X 20dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

BT-BR(1Mbps)
EBW
2402MHz

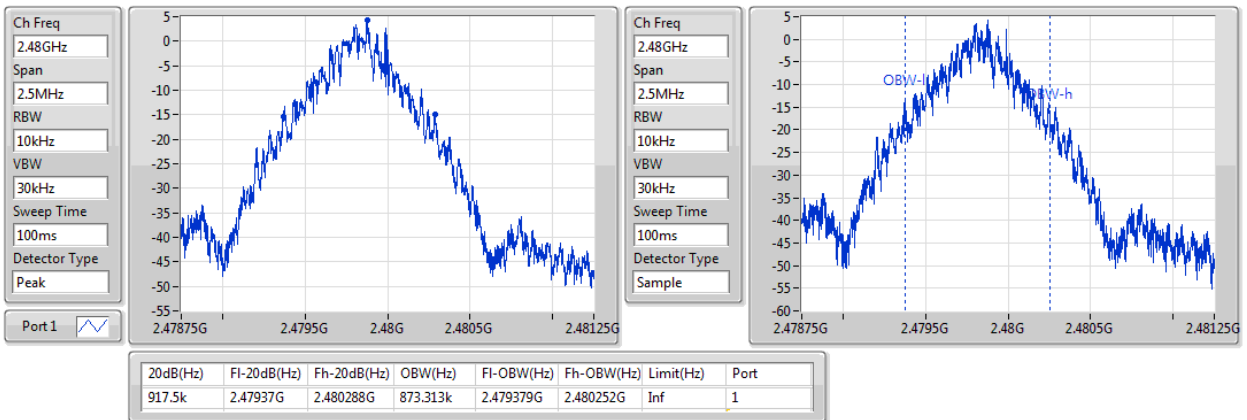
22/05/2018


BT-BR(1Mbps)
EBW
2441MHz

22/05/2018

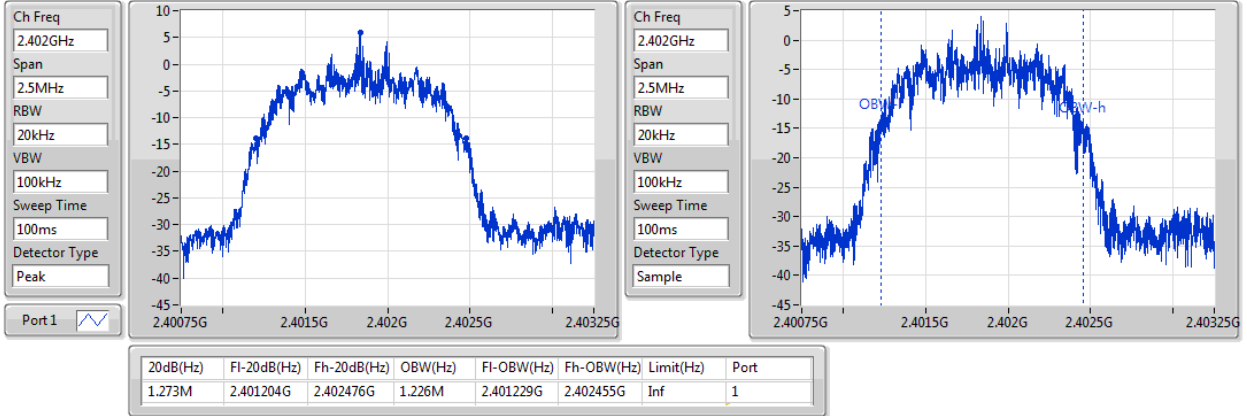

BT-BR(1Mbps)
EBW
2480MHz

22/05/2018

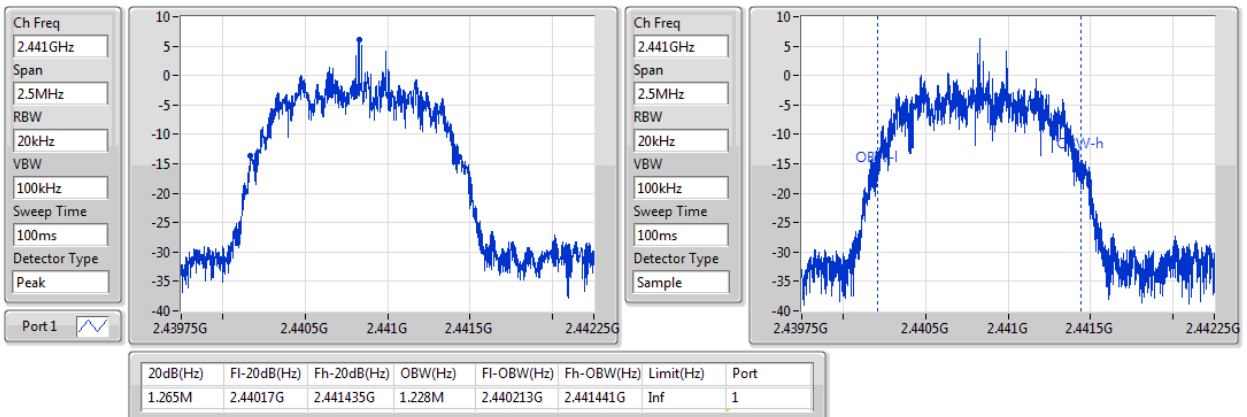


BT-EDR(2Mbps)
EBW
2402MHz

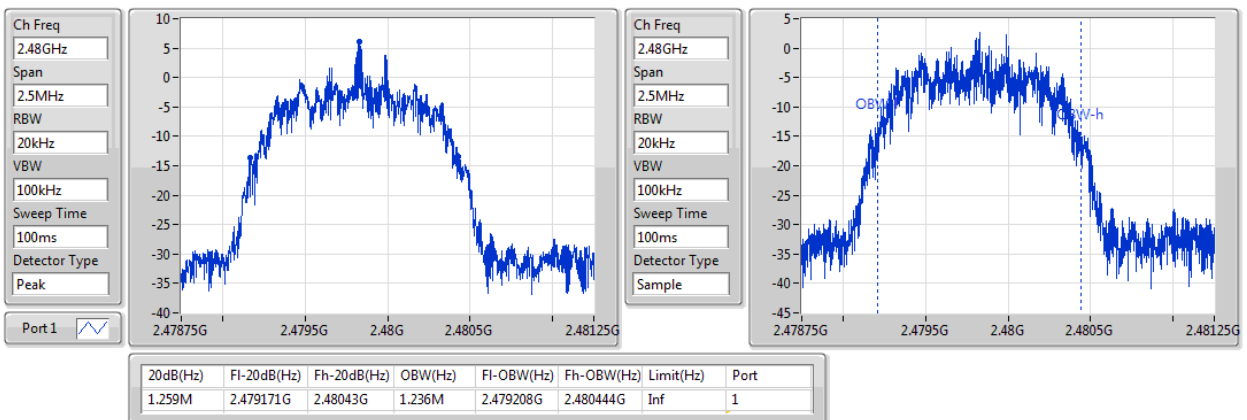
22/05/2018


BT-EDR(2Mbps)
EBW
2441MHz

22/05/2018

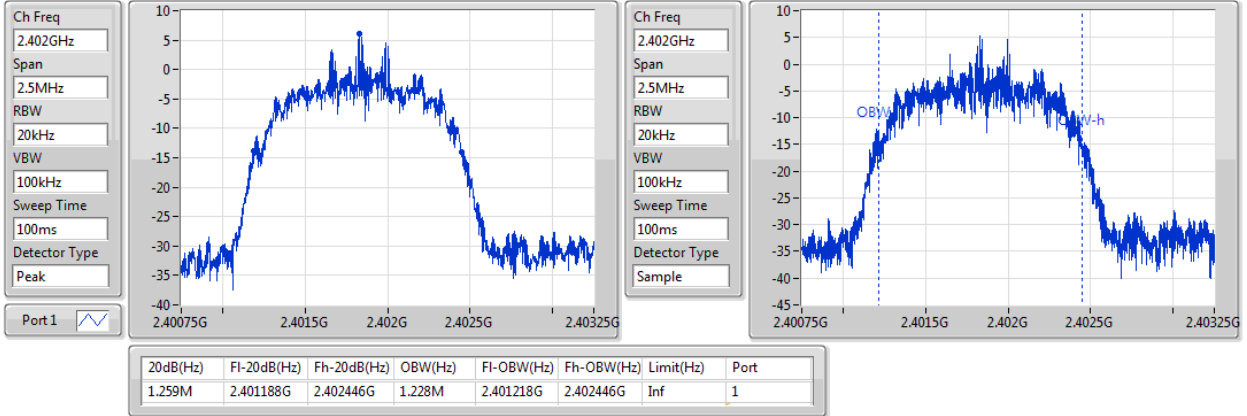

BT-EDR(2Mbps)
EBW
2480MHz

22/05/2018

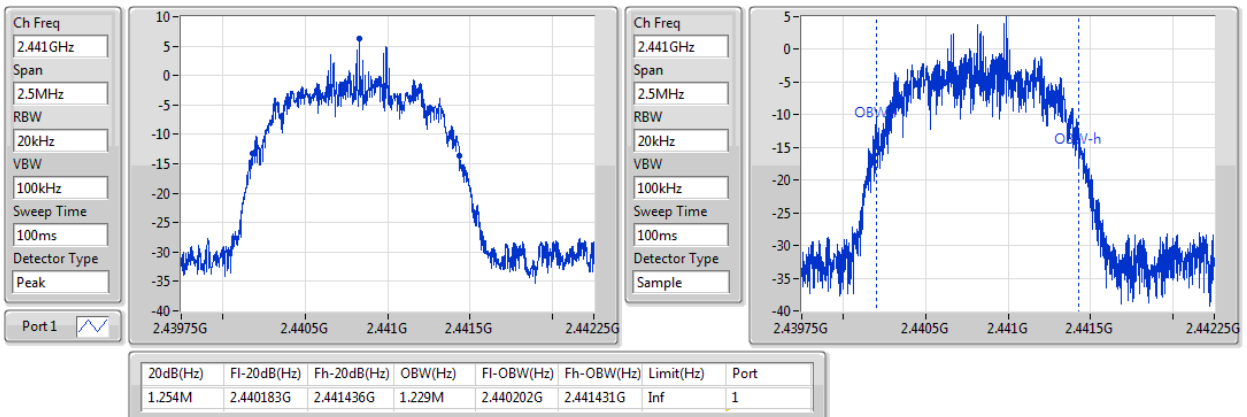


BT-EDR(3Mbps)
EBW
2402MHz

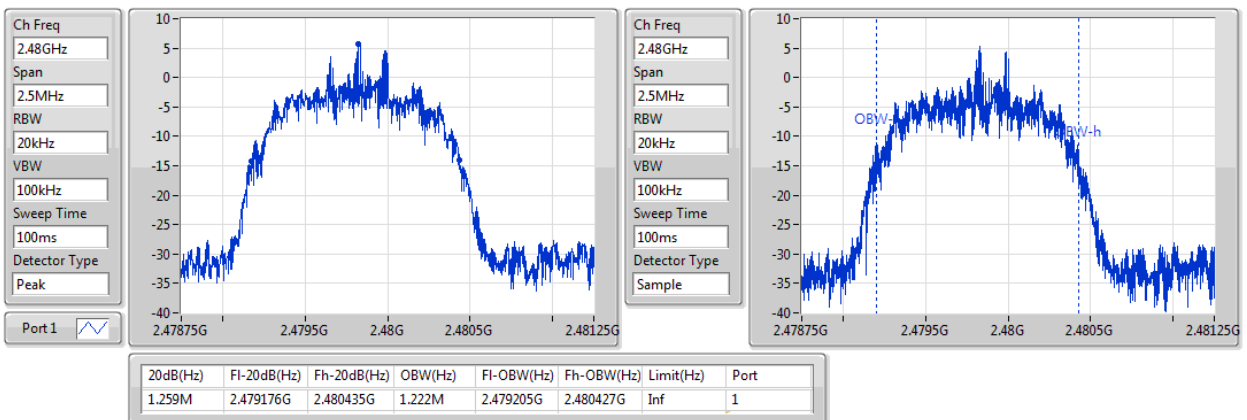
22/05/2018


BT-EDR(3Mbps)
EBW
2441MHz

22/05/2018


BT-EDR(3Mbps)
EBW
2480MHz

22/05/2018



Summary

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

Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.401834G	2.402835G	1.0005M	612.72k
2441MHz_TnomVnom	Pass	2.440831G	2.441833G	1.002M	609.39k
2480MHz_TnomVnom	Pass	2.478827G	2.479829G	1.002M	611.055k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.401833G	2.402835G	1.002M	847.818k
2441MHz_TnomVnom	Pass	2.44083G	2.441832G	1.002M	842.49k
2480MHz_TnomVnom	Pass	2.478828G	2.479827G	999k	838.494k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.401833G	2.402835G	1.002M	838.494k
2441MHz_TnomVnom	Pass	2.44083G	2.44183G	1.0005M	835.164k
2480MHz_TnomVnom	Pass	2.478827G	2.479829G	1.002M	838.494k

BT-BR(1Mbps)

Channel Separation

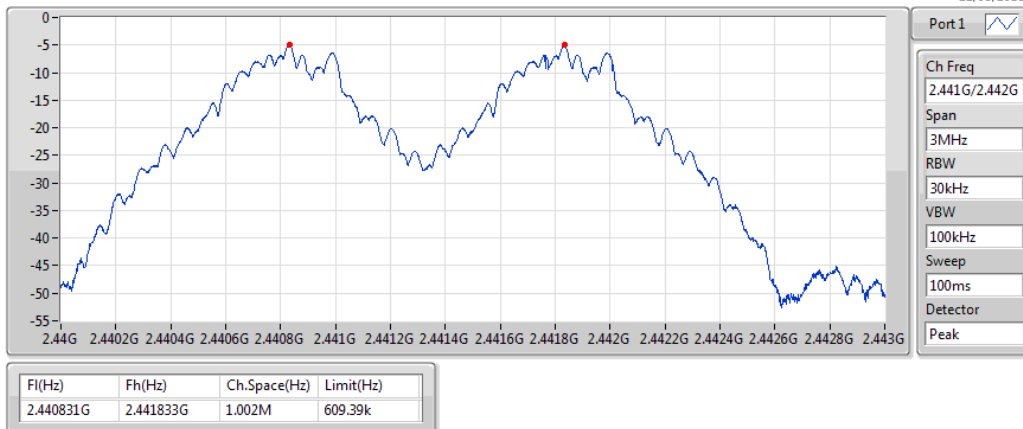
2.402G/2.403GHz



BT-BR(1Mbps)

Channel Separation

2.441G/2.442GHz



BT-BR(1Mbps)

Channel Separation

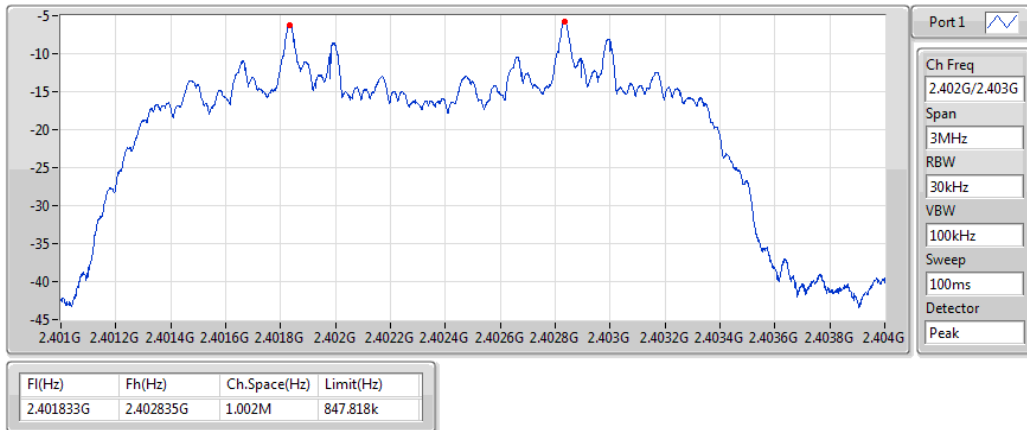
2.48G/2.479GHz



BT-EDR(2Mbps)

Channel Separation

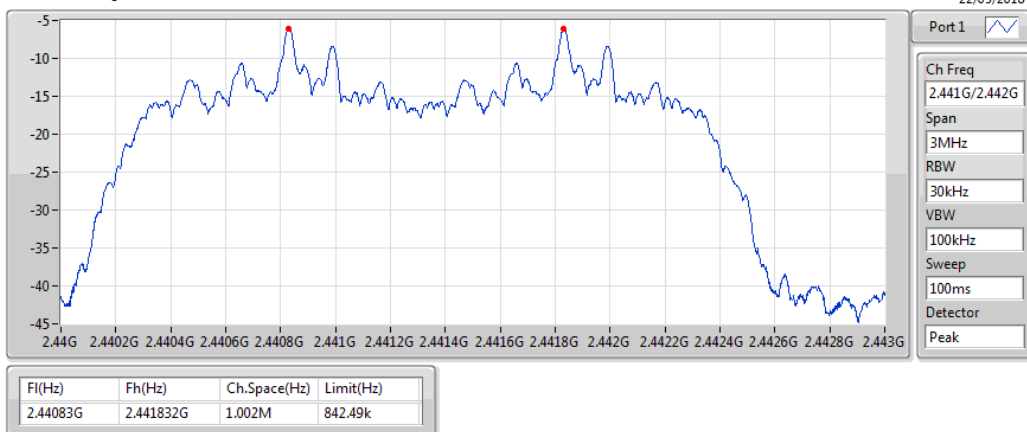
2.402G/2.403GHz



BT-EDR(2Mbps)

Channel Separation

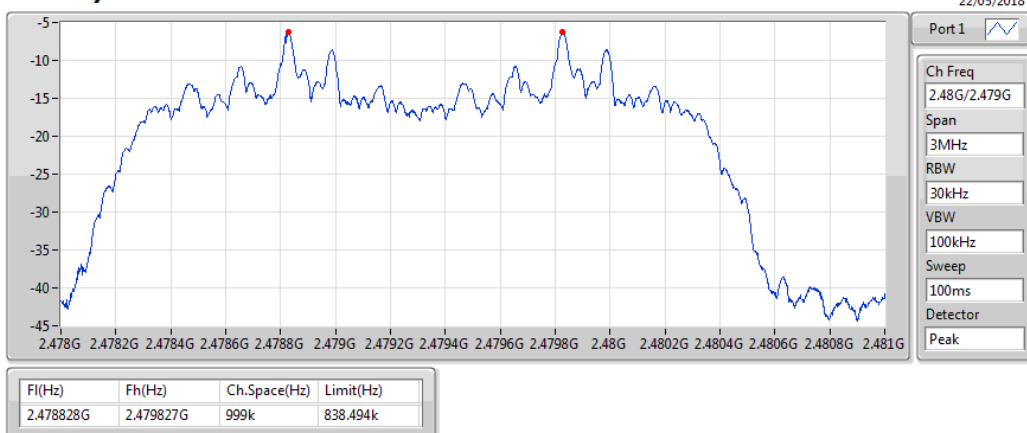
2.441G/2.442GHz



BT-EDR(2Mbps)

Channel Separation

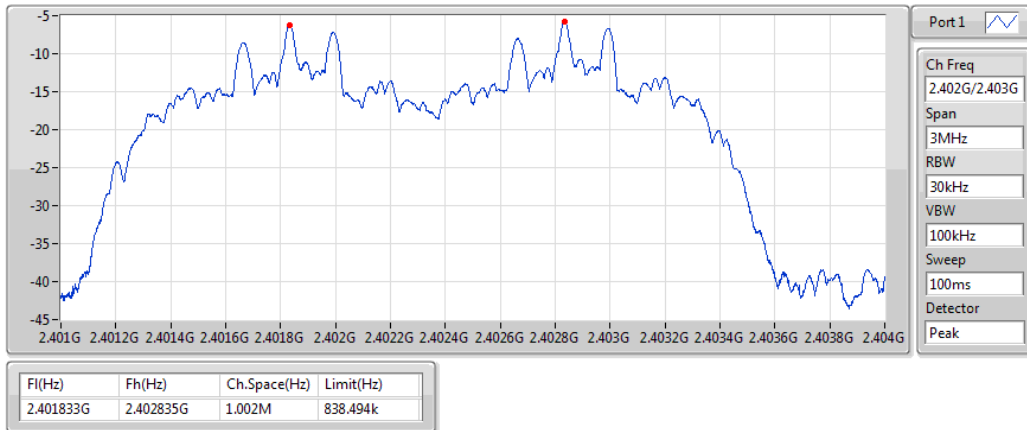
2.48G/2.479GHz



BT-EDR(3Mbps)

Channel Separation

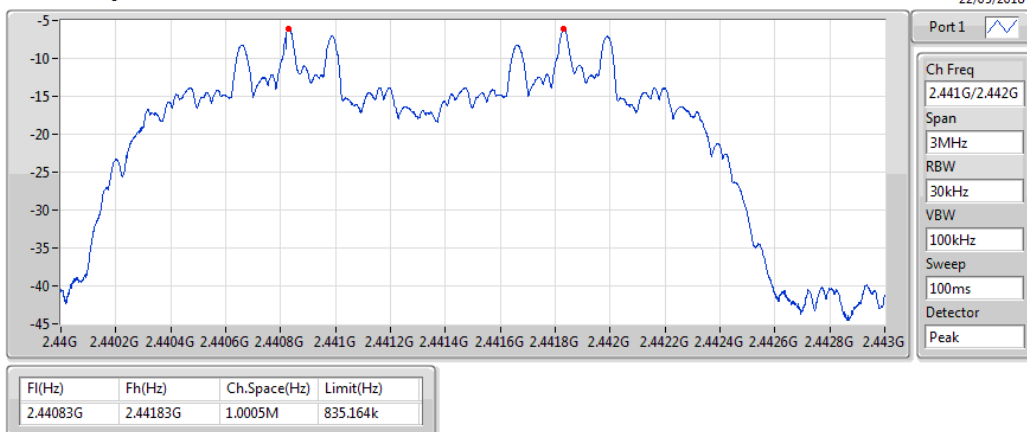
2.402G/2.403GHz



BT-EDR(3Mbps)

Channel Separation

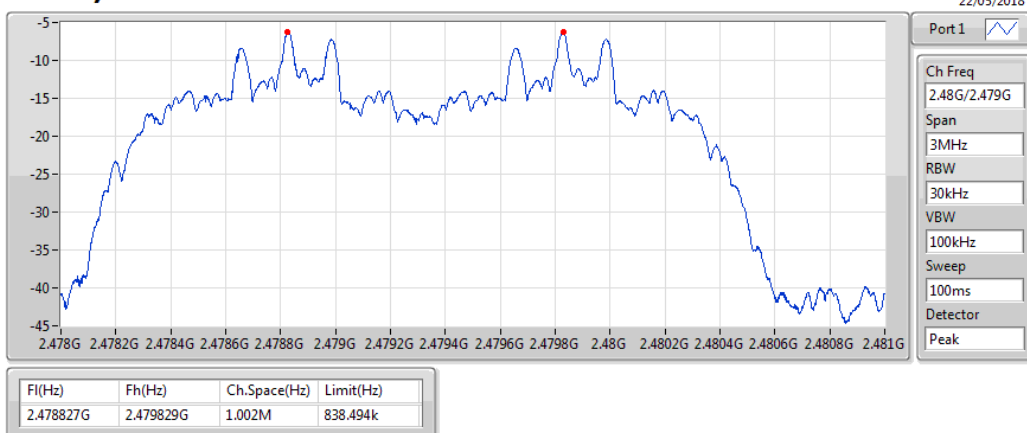
2.441G/2.442GHz



BT-EDR(3Mbps)

Channel Separation

2.48G/2.479GHz



Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	10.29	0.01069
BT-EDR(2Mbps)	9.60	0.00912
BT-EDR(3Mbps)	9.76	0.00946

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	2.50	10.29	21.00
2441MHz_TnomVnom	Pass	2.50	10.24	21.00
2480MHz_TnomVnom	Pass	2.50	10.07	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	2.50	9.44	21.00
2441MHz_TnomVnom	Pass	2.50	9.60	21.00
2480MHz_TnomVnom	Pass	2.50	9.42	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	2.50	9.68	21.00
2441MHz_TnomVnom	Pass	2.50	9.76	21.00
2480MHz_TnomVnom	Pass	2.50	9.62	21.00

Summary

Mode	Power	Power
	(dBm)	(W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	10.04	0.01009
BT-EDR(2Mbps)	7.92	0.00619
BT-EDR(3Mbps)	7.93	0.00621

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	2.50	10.04	21.00
2441MHz_TnomVnom	Pass	2.50	10.02	21.00
2480MHz_TnomVnom	Pass	2.50	9.85	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	2.50	7.60	21.00
2441MHz_TnomVnom	Pass	2.50	7.92	21.00
2480MHz_TnomVnom	Pass	2.50	7.77	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	2.50	7.59	21.00
2441MHz_TnomVnom	Pass	2.50	7.93	21.00
2480MHz_TnomVnom	Pass	2.50	7.77	21.00

Summary

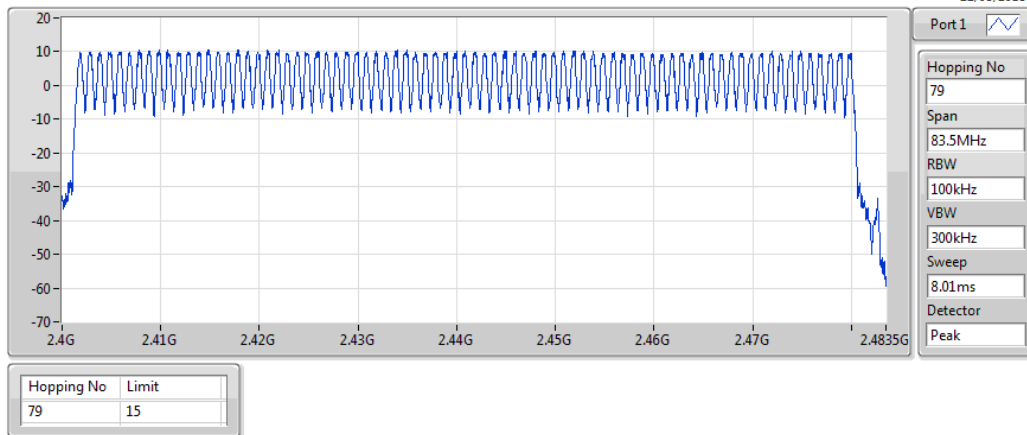
Mode	Max-Hop No
2.4-2.4835GHz	-
BT-BR(1Mbps)	79
BT-EDR(2Mbps)	79
BT-EDR(3Mbps)	79

Result

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

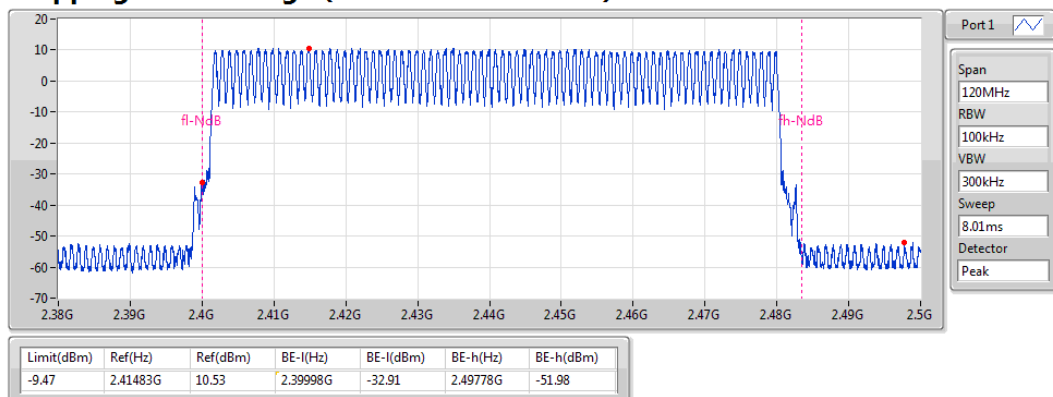
BT-BR(1Mbps) 2441MHz

Hopping Ch



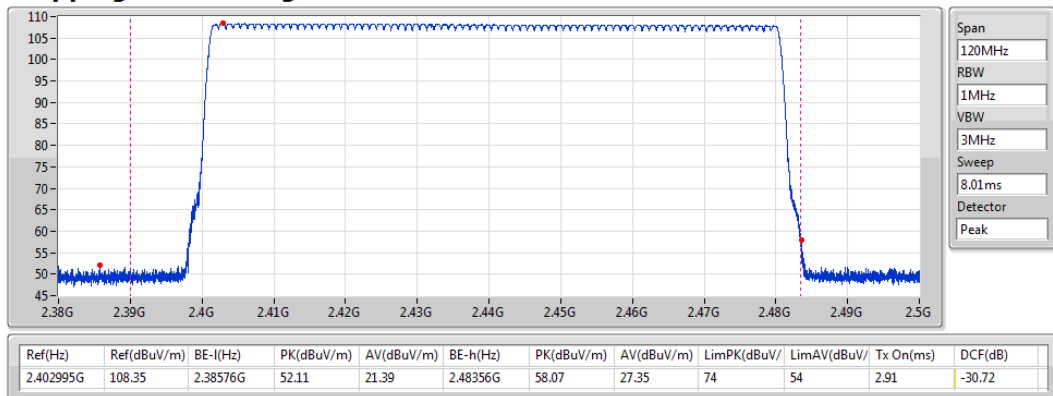
BT-BR(1Mbps) 2441MHz

Hopping Ch Bandedge (Non-restricted Band)



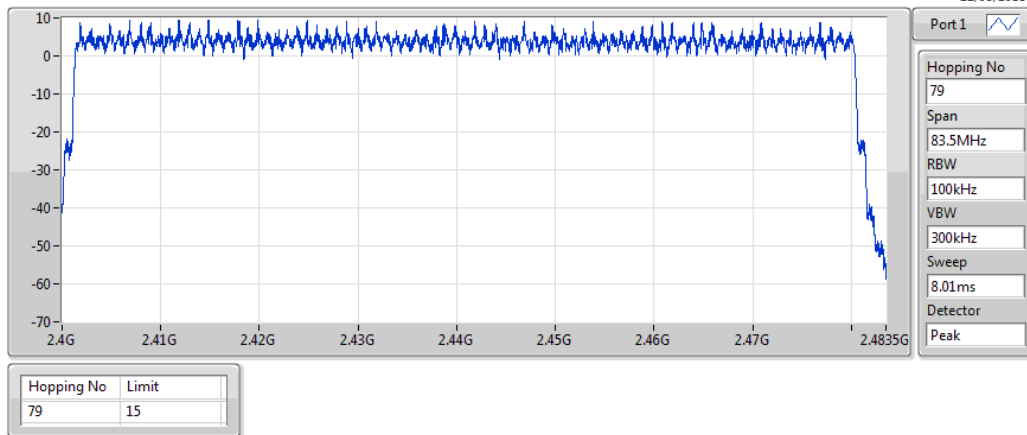
BT-BR(1Mbps) 2441MHz

Hopping Ch Bandedge (Restricted Band)



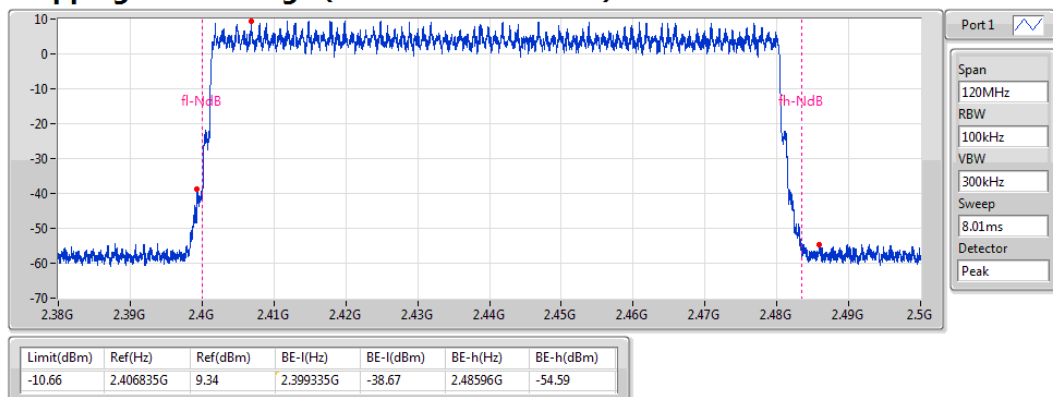
BT-EDR(2Mbps) 2441MHz

Hopping Ch



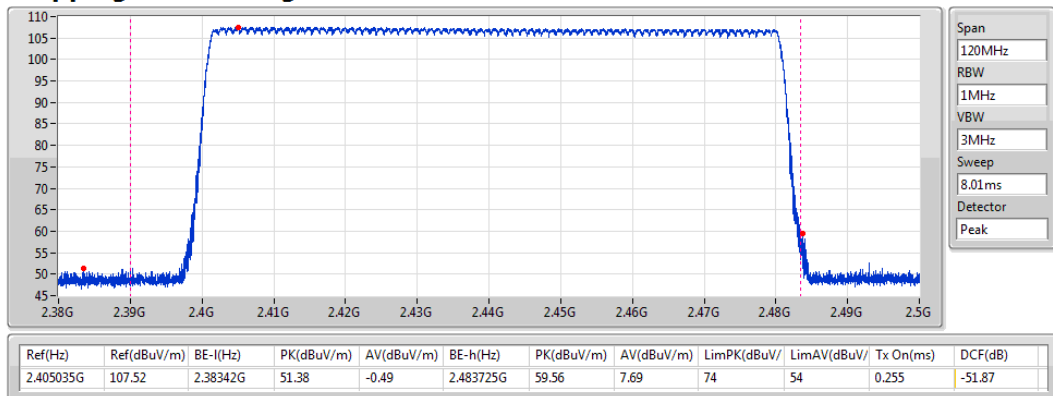
BT-EDR(2Mbps) 2441MHz

Hopping Ch Bandedge (Non-restricted Band)



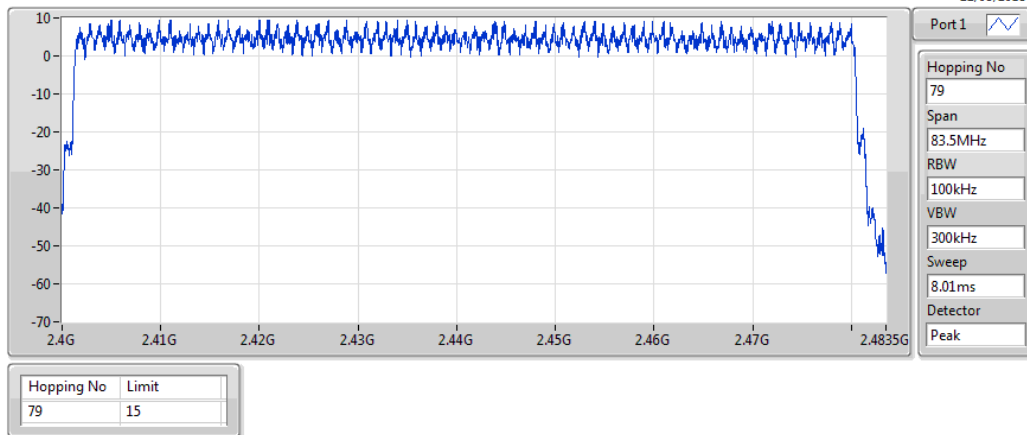
BT-EDR(2Mbps) 2441MHz

Hopping Ch Bandedge (Restricted Band)



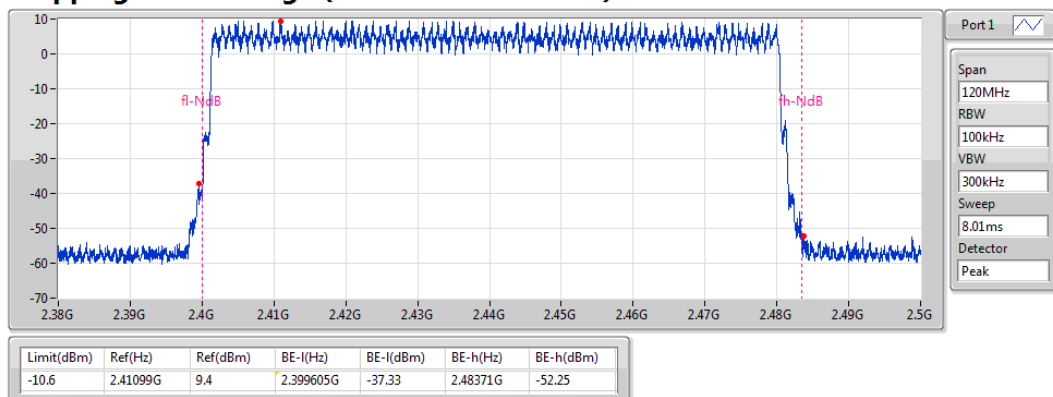
BT-EDR(3Mbps) 2441MHz

Hopping Ch



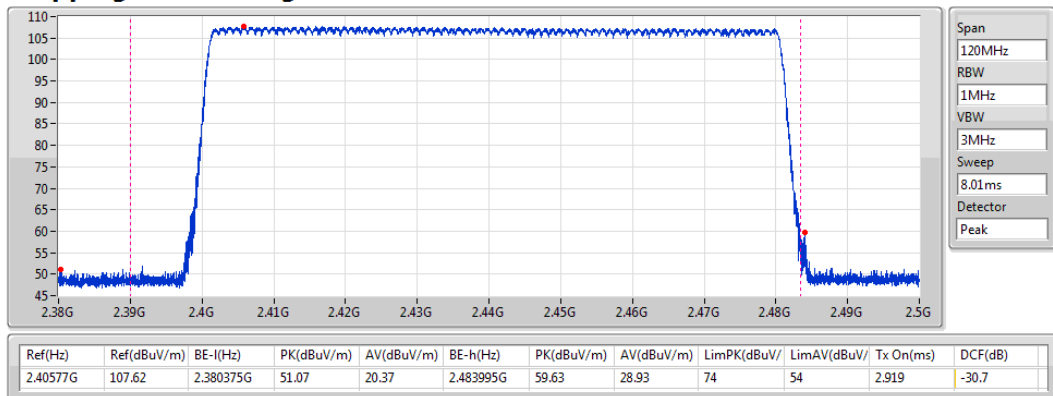
BT-EDR(3Mbps) 2441MHz

Hopping Ch Bandedge (Non-restricted Band)



BT-EDR(3Mbps) 2441MHz

Hopping Ch Bandedge (Restricted Band)



Summary

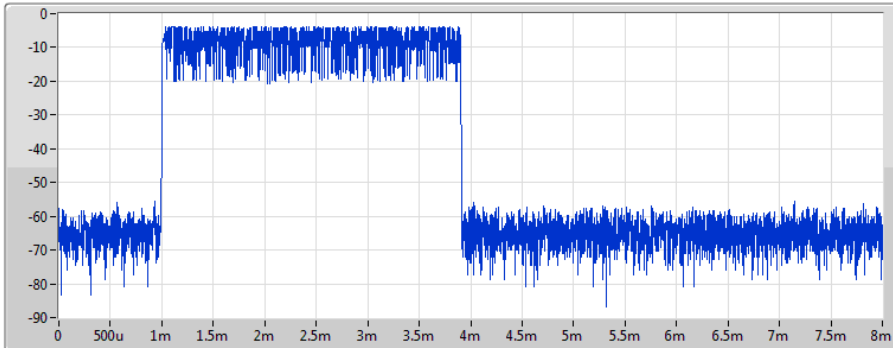
Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	310.206m
BT-EDR(2Mbps)	27.183m
BT-EDR(3Mbps)	311.1654m

Result

Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2441MHz_TnomVnom	Pass	31.6	310.206m	400m	2.91m
BT-EDR(2Mbps)	-	-	-	-	-
2441MHz_TnomVnom	Pass	31.6	27.183m	400m	255u
BT-EDR(3Mbps)	-	-	-	-	-
2441MHz_TnomVnom	Pass	31.6	311.1654m	400m	2.919m

BT-BR(1Mbps)

2441MHz



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	310.206m	400m	2.91m

Dwell

22/05/2018

Port 1 

Ch Freq
2.441GHz

RBW
300kHz

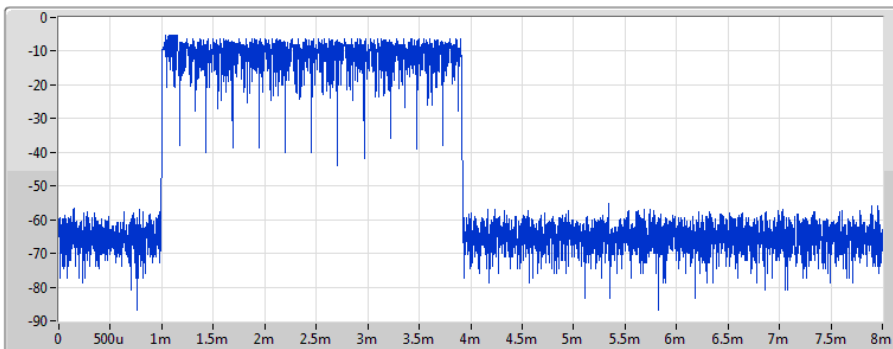
VBW
1MHz

Sweep Time
8ms

TX Time
2.91ms

BT-EDR(2Mbps)

2441MHz



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	27.183m	400m	255u

Dwell

22/05/2018

Port 1 

Ch Freq
2.441GHz

RBW
300kHz

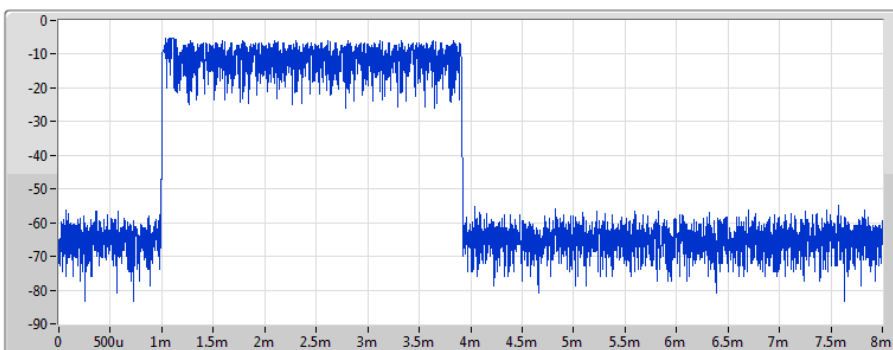
VBW
1MHz

Sweep Time
8ms

TX Time
255us

BT-EDR(3Mbps)

2441MHz



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	311.1654m	400m	2.919m

Dwell

22/05/2018

Port 1 

Ch Freq
2.441GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

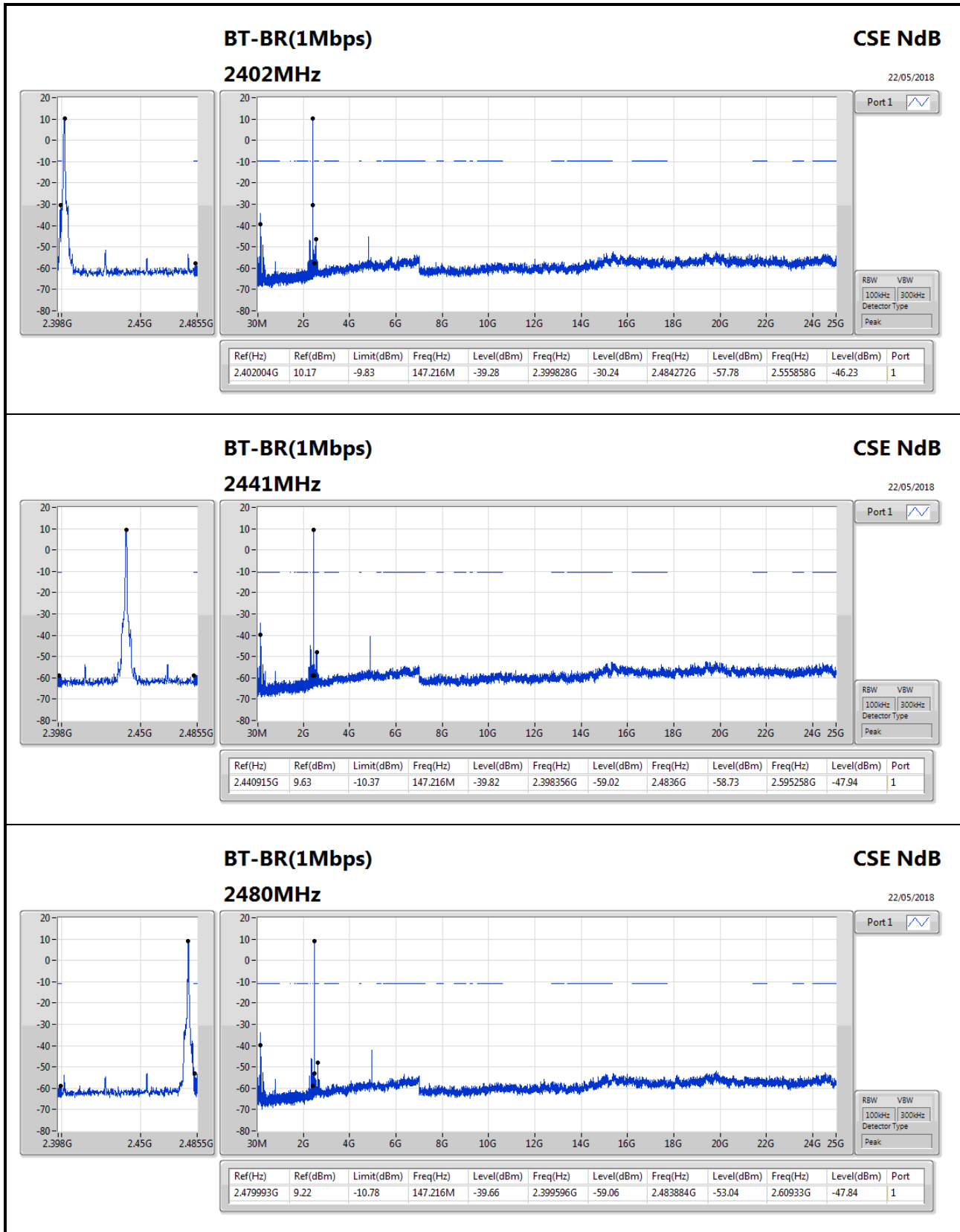
TX Time
2.919ms

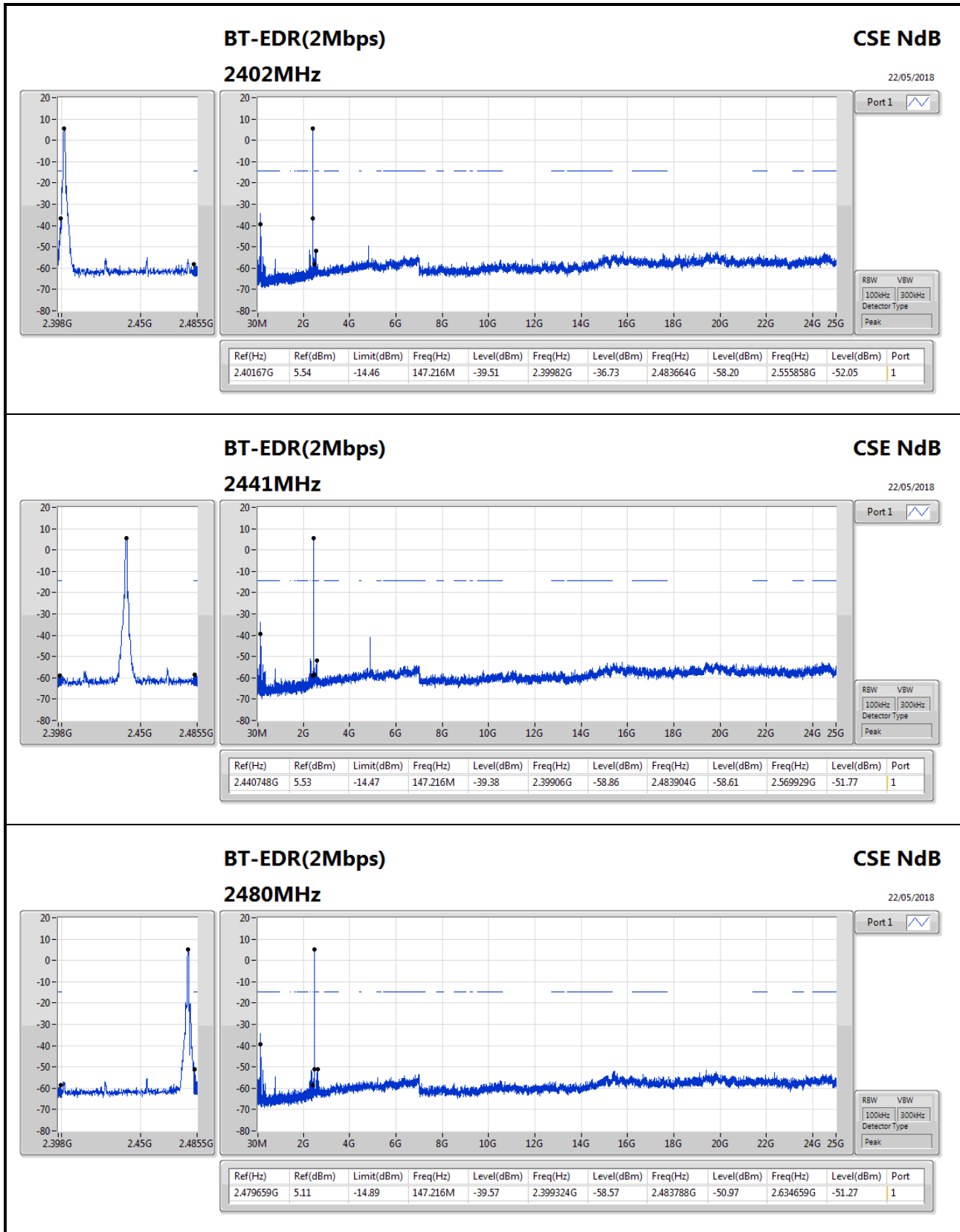
Summary

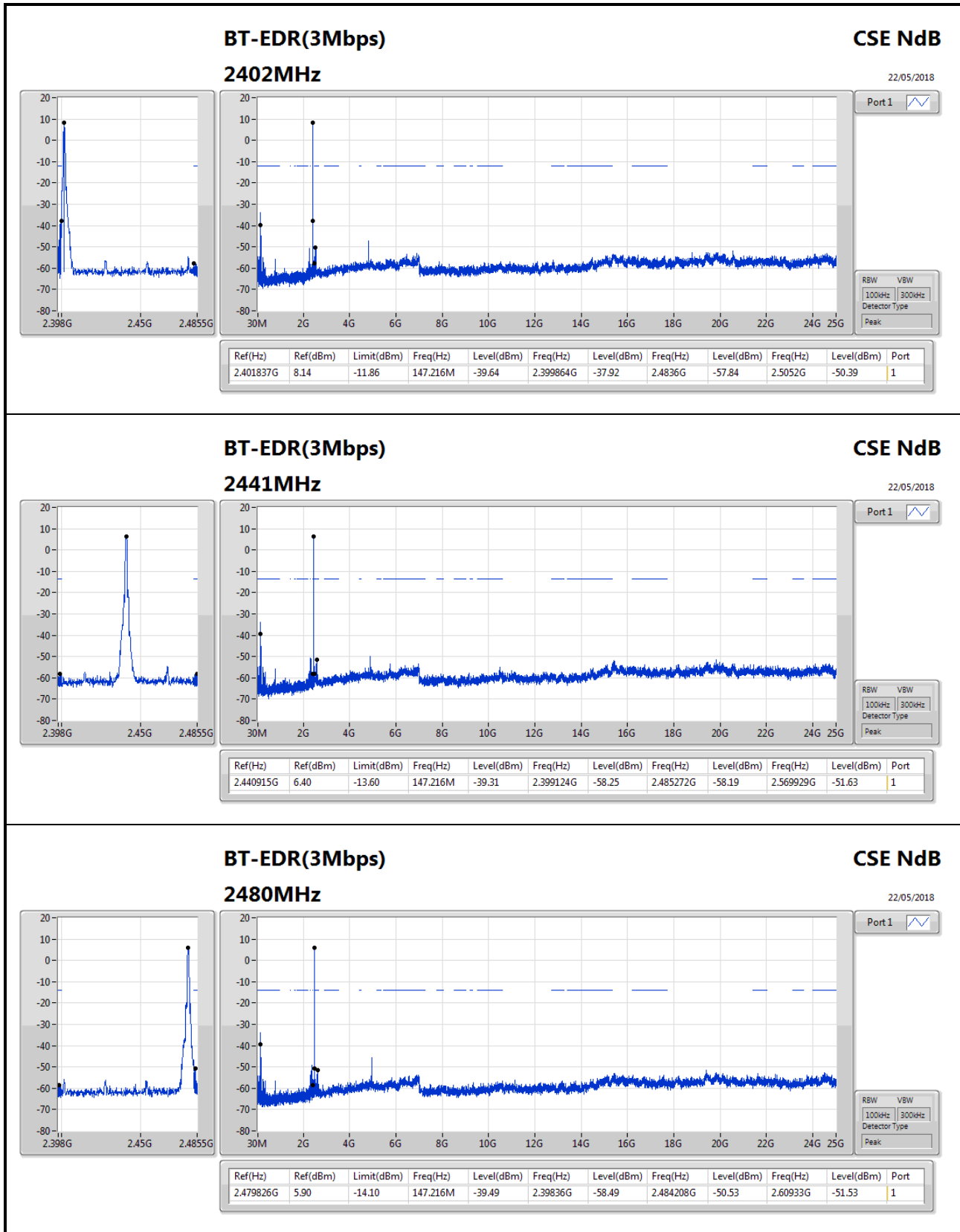
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.402004G	10.17	-9.83	147.216M	-39.28	2.399828G	-30.24	2.484272G	-57.78	2.555858G	-46.23	1
BT-EDR(2Mbps)	Pass	2.40167G	5.54	-14.46	147.216M	-39.51	2.39982G	-36.73	2.483664G	-58.20	2.555858G	-52.05	1
BT-EDR(3Mbps)	Pass	2.479826G	5.90	-14.10	147.216M	-39.49	2.39836G	-58.49	2.484208G	-50.53	2.60933G	-51.53	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402004G	10.17	-9.83	147.216M	-39.28	2.399828G	-30.24	2.484272G	-57.78	2.555858G	-46.23	1
2441MHz_TnomVnom	Pass	2.440915G	9.63	-10.37	147.216M	-39.82	2.398356G	-59.02	2.4836G	-58.73	2.595258G	-47.94	1
2480MHz_TnomVnom	Pass	2.479993G	9.22	-10.78	147.216M	-39.66	2.399596G	-59.06	2.483884G	-53.04	2.60933G	-47.84	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.40167G	5.54	-14.46	147.216M	-39.51	2.39982G	-36.73	2.483664G	-58.20	2.555858G	-52.05	1
2441MHz_TnomVnom	Pass	2.440748G	5.53	-14.47	147.216M	-39.38	2.39906G	-58.86	2.483904G	-58.61	2.569929G	-51.77	1
2480MHz_TnomVnom	Pass	2.479659G	5.11	-14.89	147.216M	-39.57	2.399324G	-58.57	2.483788G	-50.97	2.634659G	-51.27	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.401837G	8.14	-11.86	147.216M	-39.64	2.399864G	-37.92	2.4836G	-57.84	2.5052G	-50.39	1
2441MHz_TnomVnom	Pass	2.440915G	6.40	-13.60	147.216M	-39.31	2.399124G	-58.25	2.485272G	-58.19	2.569929G	-51.63	1
2480MHz_TnomVnom	Pass	2.479826G	5.90	-14.10	147.216M	-39.49	2.39836G	-58.49	2.484208G	-50.53	2.60933G	-51.53	1







**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	PK	871.96M	35.84	46.00	-10.16	2.25	3	Horizontal	0	1.00	-

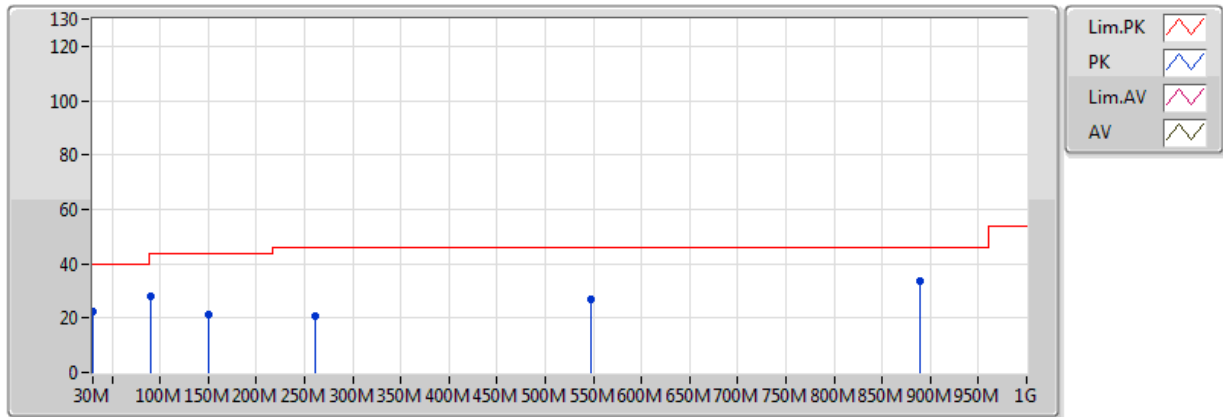
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2441MHz	Pass	PK	30M	22.52	40.00	-17.48	-4.45	3	Vertical	360	1.00	-
2441MHz	Pass	PK	90.14M	28.02	43.50	-15.48	-12.35	3	Vertical	360	1.00	-
2441MHz	Pass	PK	150.28M	21.48	43.50	-22.02	-10.30	3	Vertical	360	1.00	-
2441MHz	Pass	PK	260.86M	20.75	46.00	-25.25	-5.68	3	Vertical	360	1.00	-
2441MHz	Pass	PK	547.98M	26.73	46.00	-19.27	-0.95	3	Vertical	360	1.00	-
2441MHz	Pass	PK	889.42M	33.51	46.00	-12.49	2.42	3	Vertical	360	1.00	-
2441MHz	Pass	PK	31.94M	23.62	40.00	-16.38	-5.36	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	90.14M	26.40	43.50	-17.10	-12.35	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	311.3M	27.99	46.00	-18.01	-5.49	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	829.28M	33.08	46.00	-12.92	1.70	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	871.96M	35.84	46.00	-10.16	2.25	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	912.7M	35.22	46.00	-10.78	2.77	3	Horizontal	0	1.00	-

BT-BR(1Mbps)

2441MHz_Battety mode

23/05/2018

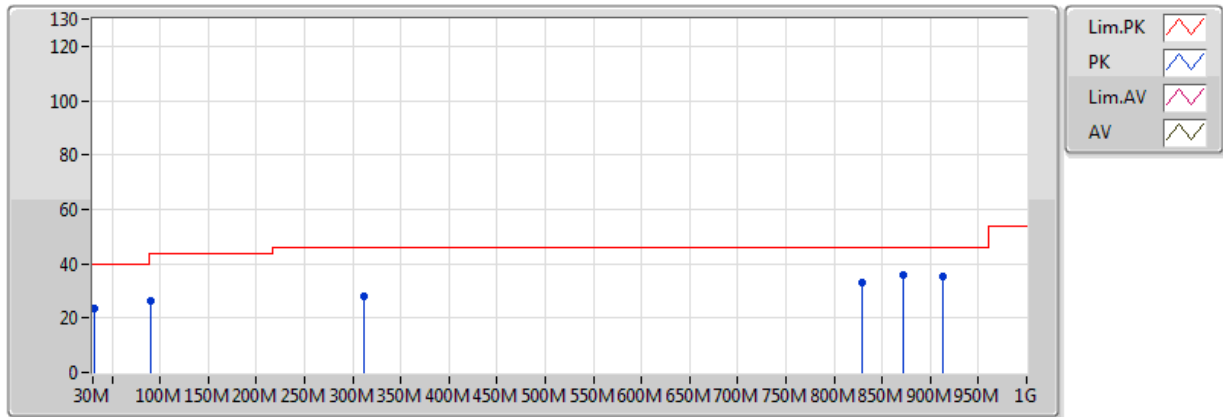


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	30M	22.52	40.00	-17.48	-4.45	3	Vertical	360	1.00	-
PK	90.14M	28.02	43.50	-15.48	-12.35	3	Vertical	360	1.00	-
PK	150.28M	21.48	43.50	-22.02	-10.30	3	Vertical	360	1.00	-
PK	260.86M	20.75	46.00	-25.25	-5.68	3	Vertical	360	1.00	-
PK	547.98M	26.73	46.00	-19.27	-0.95	3	Vertical	360	1.00	-
PK	889.42M	33.51	46.00	-12.49	2.42	3	Vertical	360	1.00	-

BT-BR(1Mbps)

2441MHz_Battety mode

23/05/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	31.94M	23.62	40.00	-16.38	-5.36	3	Horizontal	0	1.00	-
PK	90.14M	26.40	43.50	-17.10	-12.35	3	Horizontal	0	1.00	-
PK	311.3M	27.99	46.00	-18.01	-5.49	3	Horizontal	0	1.00	-
PK	829.28M	33.08	46.00	-12.92	1.70	3	Horizontal	0	1.00	-
PK	871.96M	35.84	46.00	-10.16	2.25	3	Horizontal	0	1.00	-
PK	912.7M	35.22	46.00	-10.78	2.77	3	Horizontal	0	1.00	-

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	AV	2.558G	53.60	54.00	-0.40	32.86	3	Horizontal	213	2.49	-
BT-EDR(2Mbps)	Pass	AV	2.5325G	52.31	54.00	-1.69	32.77	3	Horizontal	216	1.01	-
BT-EDR(3Mbps)	Pass	AV	2.483502G	53.48	54.00	-0.52	32.61	3	Vertical	136	3.19	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3108G	48.14	54.00	-5.86	31.99	3	Vertical	163	3.09	-
2402MHz	Pass	AV	2.402G	103.21	Inf	-Inf	32.32	3	Vertical	163	3.09	-
2402MHz	Pass	AV	2.5324G	51.04	54.00	-2.96	32.77	3	Vertical	163	3.09	-
2402MHz	Pass	PK	2.342G	59.44	74.00	-14.56	32.10	3	Vertical	163	3.09	-
2402MHz	Pass	PK	2.402G	103.69	Inf	-Inf	32.32	3	Vertical	163	3.09	-
2402MHz	Pass	PK	2.5588G	60.68	74.00	-13.32	32.86	3	Vertical	163	3.09	-
2402MHz	Pass	AV	2.35G	48.54	54.00	-5.46	32.13	3	Horizontal	213	2.49	-
2402MHz	Pass	AV	2.402G	106.34	Inf	-Inf	32.32	3	Horizontal	213	2.49	-
2402MHz	Pass	AV	2.558G	53.60	54.00	-0.40	32.86	3	Horizontal	213	2.49	-
2402MHz	Pass	PK	2.389998G	60.18	74.00	-13.82	32.28	3	Horizontal	213	2.49	-
2402MHz	Pass	PK	2.402G	106.89	Inf	-Inf	32.32	3	Horizontal	213	2.49	-
2402MHz	Pass	PK	2.5588G	61.94	74.00	-12.06	32.86	3	Horizontal	213	2.49	-
2402MHz	Pass	AV	4.80394G	41.23	54.00	-12.77	2.99	3	Vertical	234	2.36	-
2402MHz	Pass	PK	4.804359G	48.30	74.00	-25.70	2.99	3	Vertical	234	2.36	-
2402MHz	Pass	AV	4.80398G	43.56	54.00	-10.44	2.99	3	Horizontal	247	1.01	-
2402MHz	Pass	PK	4.80384G	50.09	74.00	-23.91	2.99	3	Horizontal	247	1.01	-
2441MHz	Pass	AV	2.3106G	48.97	54.00	-5.03	31.99	3	Vertical	130	2.99	-
2441MHz	Pass	AV	2.441G	103.29	Inf	-Inf	32.46	3	Vertical	130	2.99	-
2441MHz	Pass	AV	2.5714G	51.30	54.00	-2.70	32.90	3	Vertical	130	2.99	-
2441MHz	Pass	PK	2.3234G	59.14	74.00	-14.86	32.04	3	Vertical	130	2.99	-
2441MHz	Pass	PK	2.441G	103.82	Inf	-Inf	32.46	3	Vertical	130	2.99	-
2441MHz	Pass	PK	2.5714G	61.14	74.00	-12.86	32.90	3	Vertical	130	2.99	-
2441MHz	Pass	AV	2.3106G	49.96	54.00	-4.04	31.99	3	Horizontal	227	2.64	-
2441MHz	Pass	AV	2.441G	107.65	Inf	-Inf	32.46	3	Horizontal	227	2.64	-
2441MHz	Pass	AV	2.597G	51.90	54.00	-2.10	32.98	3	Horizontal	227	2.64	-
2441MHz	Pass	PK	2.3586G	59.19	74.00	-14.81	32.16	3	Horizontal	227	2.64	-
2441MHz	Pass	PK	2.441G	108.15	Inf	-Inf	32.46	3	Horizontal	227	2.64	-
2441MHz	Pass	PK	2.5714G	60.94	74.00	-13.06	32.90	3	Horizontal	227	2.64	-
2441MHz	Pass	AV	4.881932G	41.24	54.00	-12.76	3.16	3	Vertical	231	2.45	-
2441MHz	Pass	PK	4.881605G	48.32	74.00	-25.68	3.16	3	Vertical	231	2.45	-
2441MHz	Pass	AV	4.88206G	44.77	54.00	-9.23	3.16	3	Horizontal	252	3.19	-
2441MHz	Pass	PK	4.882319G	50.27	74.00	-23.73	3.16	3	Horizontal	252	3.19	-
2480MHz	Pass	AV	2.3232G	49.45	54.00	-4.55	32.03	3	Vertical	131	3.25	-
2480MHz	Pass	AV	2.48G	105.35	Inf	-Inf	32.60	3	Vertical	131	3.25	-
2480MHz	Pass	AV	2.483502G	49.60	54.00	-4.40	32.61	3	Vertical	131	3.25	-
2480MHz	Pass	PK	2.38G	59.38	74.00	-14.62	32.24	3	Vertical	131	3.25	-
2480MHz	Pass	PK	2.48G	105.99	Inf	-Inf	32.60	3	Vertical	131	3.25	-
2480MHz	Pass	PK	2.483502G	62.01	74.00	-11.99	32.61	3	Vertical	131	3.25	-
2480MHz	Pass	AV	2.324G	52.00	54.00	-2.00	32.04	3	Horizontal	218	2.89	-
2480MHz	Pass	AV	2.48G	108.33	Inf	-Inf	32.60	3	Horizontal	218	2.89	-
2480MHz	Pass	AV	2.483502G	50.38	54.00	-3.62	32.61	3	Horizontal	218	2.89	-
2480MHz	Pass	PK	2.3408G	60.09	74.00	-13.91	32.10	3	Horizontal	218	2.89	-
2480MHz	Pass	PK	2.48G	108.85	Inf	-Inf	32.60	3	Horizontal	218	2.89	-
2480MHz	Pass	PK	2.483502G	64.71	74.00	-9.29	32.61	3	Horizontal	218	2.89	-
2480MHz	Pass	AV	4.95994G	42.24	54.00	-11.76	3.33	3	Vertical	223	3.09	-
2480MHz	Pass	PK	4.959681G	48.97	74.00	-25.03	3.33	3	Vertical	223	3.09	-
2480MHz	Pass	AV	4.96G	43.44	54.00	-10.56	3.33	3	Horizontal	243	2.17	-

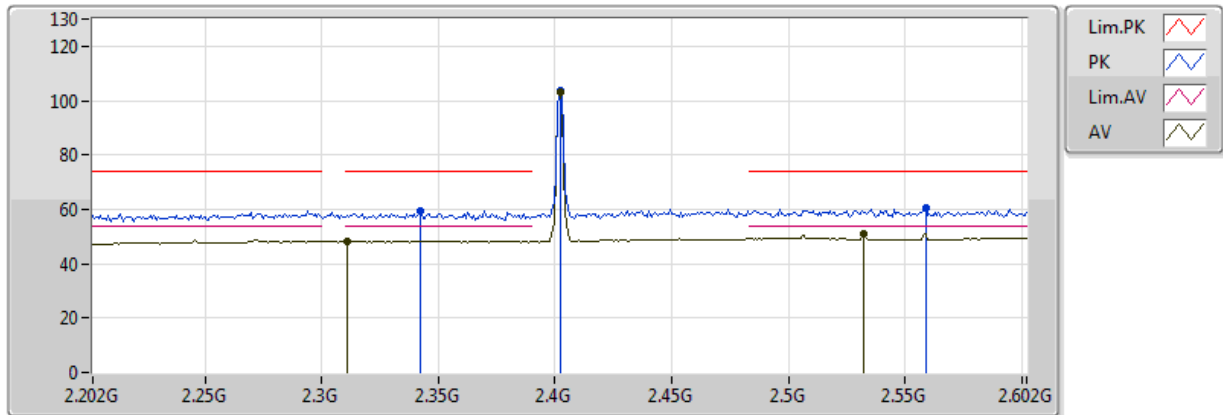
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2480MHz	Pass	PK	4.959501G	50.03	74.00	-23.97	3.32	3	Horizontal	243	2.17	-
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3111G	48.14	54.00	-5.86	31.99	3	Vertical	140	3.08	-
2402MHz	Pass	AV	2.402G	99.47	Inf	-Inf	32.32	3	Vertical	140	3.08	-
2402MHz	Pass	AV	2.5586G	51.69	54.00	-2.31	32.86	3	Vertical	140	3.08	-
2402MHz	Pass	PK	2.3696G	59.28	74.00	-14.72	32.20	3	Vertical	140	3.08	-
2402MHz	Pass	PK	2.402G	102.48	Inf	-Inf	32.32	3	Vertical	140	3.08	-
2402MHz	Pass	PK	2.4884G	60.76	74.00	-13.24	32.63	3	Vertical	140	3.08	-
2402MHz	Pass	AV	2.3498G	48.27	54.00	-5.73	32.13	3	Horizontal	216	1.01	-
2402MHz	Pass	AV	2.402G	102.72	Inf	-Inf	32.32	3	Horizontal	216	1.01	-
2402MHz	Pass	AV	2.5325G	52.31	54.00	-1.69	32.77	3	Horizontal	216	1.01	-
2402MHz	Pass	PK	2.321G	59.67	74.00	-14.33	32.03	3	Horizontal	216	1.01	-
2402MHz	Pass	PK	2.4029G	105.55	Inf	-Inf	32.32	3	Horizontal	216	1.01	-
2402MHz	Pass	PK	2.5325G	61.45	74.00	-12.55	32.77	3	Horizontal	216	1.01	-
2441MHz	Pass	AV	2.3106G	48.42	54.00	-5.58	31.99	3	Vertical	130	3.01	-
2441MHz	Pass	AV	2.441G	99.95	Inf	-Inf	32.46	3	Vertical	130	3.01	-
2441MHz	Pass	AV	2.5714G	50.11	54.00	-3.89	32.90	3	Vertical	130	3.01	-
2441MHz	Pass	PK	2.3242G	60.49	74.00	-13.51	32.04	3	Vertical	130	3.01	-
2441MHz	Pass	PK	2.441G	101.77	Inf	-Inf	32.46	3	Vertical	130	3.01	-
2441MHz	Pass	PK	2.605G	61.65	74.00	-12.35	33.01	3	Vertical	130	3.01	-
2441MHz	Pass	AV	2.3106G	49.23	54.00	-4.77	31.99	3	Horizontal	230	1.30	-
2441MHz	Pass	AV	2.441G	104.01	Inf	-Inf	32.46	3	Horizontal	230	1.30	-
2441MHz	Pass	AV	2.545G	51.03	54.00	-2.97	32.81	3	Horizontal	230	1.30	-
2441MHz	Pass	PK	2.3882G	59.37	74.00	-14.63	32.27	3	Horizontal	230	1.30	-
2441MHz	Pass	PK	2.441G	106.91	Inf	-Inf	32.46	3	Horizontal	230	1.30	-
2441MHz	Pass	PK	2.5722G	60.58	74.00	-13.42	32.90	3	Horizontal	230	1.30	-
2480MHz	Pass	AV	2.3496G	48.81	54.00	-5.19	32.13	3	Vertical	136	3.26	-
2480MHz	Pass	AV	2.48G	103.14	Inf	-Inf	32.60	3	Vertical	136	3.26	-
2480MHz	Pass	AV	2.483502G	50.63	54.00	-3.37	32.61	3	Vertical	136	3.26	-
2480MHz	Pass	PK	2.3136G	59.01	74.00	-14.99	32.00	3	Vertical	136	3.26	-
2480MHz	Pass	PK	2.48G	105.82	Inf	-Inf	32.60	3	Vertical	136	3.26	-
2480MHz	Pass	PK	2.483502G	70.36	74.00	-3.64	32.61	3	Vertical	136	3.26	-
2480MHz	Pass	AV	2.3232G	49.69	54.00	-4.31	32.03	3	Horizontal	213	2.10	-
2480MHz	Pass	AV	2.48G	104.56	Inf	-Inf	32.60	3	Horizontal	213	2.10	-
2480MHz	Pass	AV	2.483502G	50.86	54.00	-3.14	32.61	3	Horizontal	213	2.10	-
2480MHz	Pass	PK	2.3496G	60.16	74.00	-13.84	32.13	3	Horizontal	213	2.10	-
2480MHz	Pass	PK	2.48G	106.91	Inf	-Inf	32.60	3	Horizontal	213	2.10	-
2480MHz	Pass	PK	2.483502G	69.58	74.00	-4.42	32.61	3	Horizontal	213	2.10	-
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3108G	48.14	54.00	-5.86	31.99	3	Vertical	140	3.07	-
2402MHz	Pass	AV	2.402G	98.93	Inf	-Inf	32.32	3	Vertical	140	3.07	-
2402MHz	Pass	AV	2.558G	51.47	54.00	-2.53	32.86	3	Vertical	140	3.07	-
2402MHz	Pass	PK	2.3668G	59.05	74.00	-14.95	32.19	3	Vertical	140	3.07	-
2402MHz	Pass	PK	2.4028G	101.98	Inf	-Inf	32.32	3	Vertical	140	3.07	-
2402MHz	Pass	PK	2.5588G	60.46	74.00	-13.54	32.86	3	Vertical	140	3.07	-
2402MHz	Pass	AV	2.3756G	48.24	54.00	-5.76	32.22	3	Horizontal	213	3.08	-
2402MHz	Pass	AV	2.402G	102.62	Inf	-Inf	32.32	3	Horizontal	213	3.08	-
2402MHz	Pass	AV	2.558G	52.69	54.00	-1.31	32.86	3	Horizontal	213	3.08	-
2402MHz	Pass	PK	2.3852G	59.09	74.00	-14.91	32.25	3	Horizontal	213	3.08	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2402MHz	Pass	PK	2.402G	105.50	Inf	-Inf	32.32	3	Horizontal	213	3.08	-
2402MHz	Pass	PK	2.5324G	61.18	74.00	-12.82	32.77	3	Horizontal	213	3.08	-
2441MHz	Pass	AV	2.3106G	48.42	54.00	-5.58	31.99	3	Vertical	141	3.03	-
2441MHz	Pass	AV	2.441G	99.83	Inf	-Inf	32.46	3	Vertical	141	3.03	-
2441MHz	Pass	AV	2.597G	50.28	54.00	-3.72	32.98	3	Vertical	141	3.03	-
2441MHz	Pass	PK	2.385G	58.70	74.00	-15.30	32.25	3	Vertical	141	3.03	-
2441MHz	Pass	PK	2.441G	102.68	Inf	-Inf	32.46	3	Vertical	141	3.03	-
2441MHz	Pass	PK	2.5714G	60.51	74.00	-13.49	32.90	3	Vertical	141	3.03	-
2441MHz	Pass	AV	2.3106G	49.23	54.00	-4.77	31.99	3	Horizontal	231	1.29	-
2441MHz	Pass	AV	2.441G	103.54	Inf	-Inf	32.46	3	Horizontal	231	1.29	-
2441MHz	Pass	AV	2.545G	50.56	54.00	-3.44	32.81	3	Horizontal	231	1.29	-
2441MHz	Pass	PK	2.3418G	59.44	74.00	-14.56	32.10	3	Horizontal	231	1.29	-
2441MHz	Pass	PK	2.441G	106.32	Inf	-Inf	32.46	3	Horizontal	231	1.29	-
2441MHz	Pass	PK	2.581G	60.40	74.00	-13.60	32.93	3	Horizontal	231	1.29	-
2480MHz	Pass	AV	2.3496G	48.81	54.00	-5.19	32.13	3	Vertical	136	3.19	-
2480MHz	Pass	AV	2.48G	102.08	Inf	-Inf	32.60	3	Vertical	136	3.19	-
2480MHz	Pass	AV	2.483502G	53.48	54.00	-0.52	32.61	3	Vertical	136	3.19	-
2480MHz	Pass	PK	2.316G	59.61	74.00	-14.39	32.01	3	Vertical	136	3.19	-
2480MHz	Pass	PK	2.48G	104.59	Inf	-Inf	32.60	3	Vertical	136	3.19	-
2480MHz	Pass	PK	2.483502G	68.03	74.00	-5.97	32.61	3	Vertical	136	3.19	-
2480MHz	Pass	AV	2.324G	49.93	54.00	-4.07	32.04	3	Horizontal	213	2.31	-
2480MHz	Pass	AV	2.48G	104.61	Inf	-Inf	32.60	3	Horizontal	213	2.31	-
2480MHz	Pass	AV	2.483502G	51.10	54.00	-2.90	32.61	3	Horizontal	213	2.31	-
2480MHz	Pass	PK	2.372G	59.29	74.00	-14.71	32.21	3	Horizontal	213	2.31	-
2480MHz	Pass	PK	2.48G	107.32	Inf	-Inf	32.60	3	Horizontal	213	2.31	-
2480MHz	Pass	PK	2.483502G	70.93	74.00	-3.07	32.61	3	Horizontal	213	2.31	-

BT-BR(1Mbps)

2402MHz_TX

22/05/2018

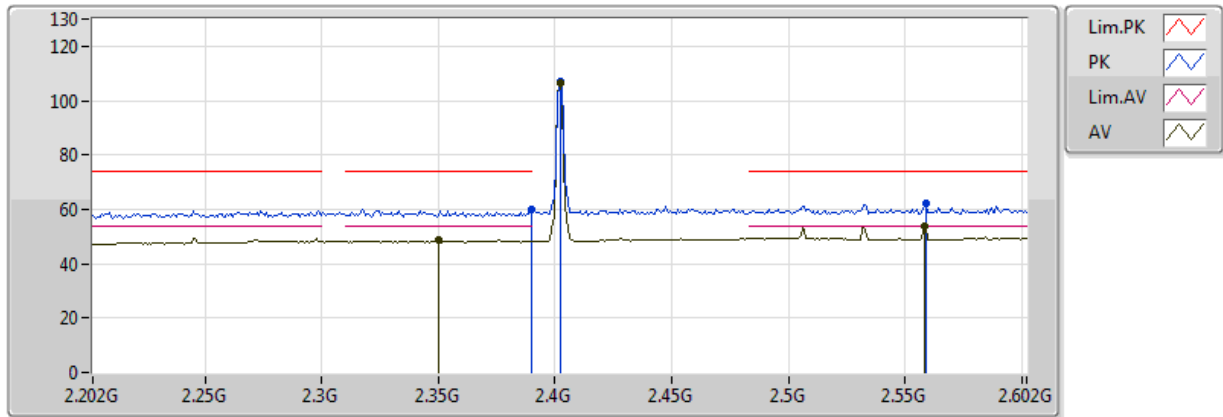


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3108G	48.14	54.00	-5.86	31.99	3	Vertical	163	3.09	-
AV	2.402G	103.21	Inf	-Inf	32.32	3	Vertical	163	3.09	-
AV	2.5324G	51.04	54.00	-2.96	32.77	3	Vertical	163	3.09	-
PK	2.342G	59.44	74.00	-14.56	32.10	3	Vertical	163	3.09	-
PK	2.402G	103.69	Inf	-Inf	32.32	3	Vertical	163	3.09	-
PK	2.5588G	60.68	74.00	-13.32	32.86	3	Vertical	163	3.09	-

BT-BR(1Mbps)

2402MHz_TX

22/05/2018

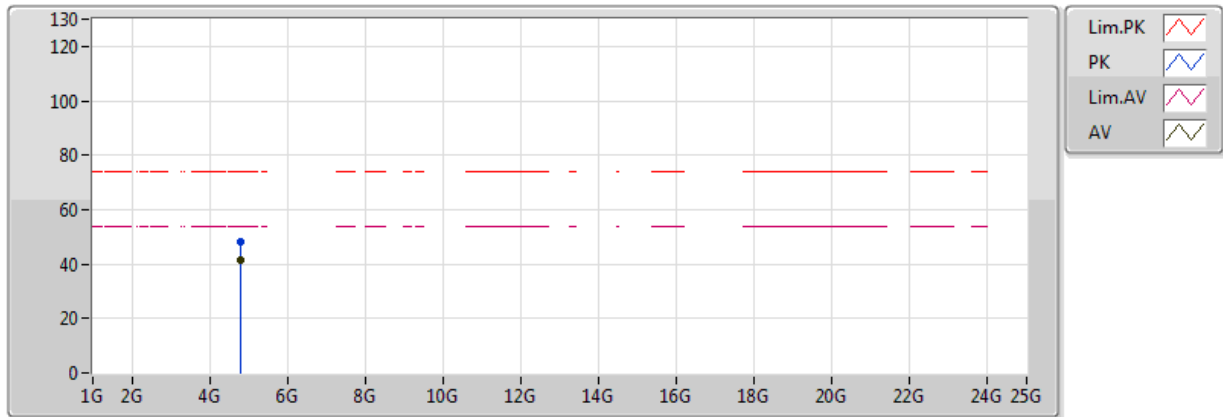


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.35G	48.54	54.00	-5.46	32.13	3	Horizontal	213	2.49	-
AV	2.402G	106.34	Inf	-Inf	32.32	3	Horizontal	213	2.49	-
AV	2.558G	53.60	54.00	-0.40	32.86	3	Horizontal	213	2.49	-
PK	2.389998G	60.18	74.00	-13.82	32.28	3	Horizontal	213	2.49	-
PK	2.402G	106.89	Inf	-Inf	32.32	3	Horizontal	213	2.49	-
PK	2.5588G	61.94	74.00	-12.06	32.86	3	Horizontal	213	2.49	-

BT-BR(1Mbps)

2402MHz_TX

22/05/2018

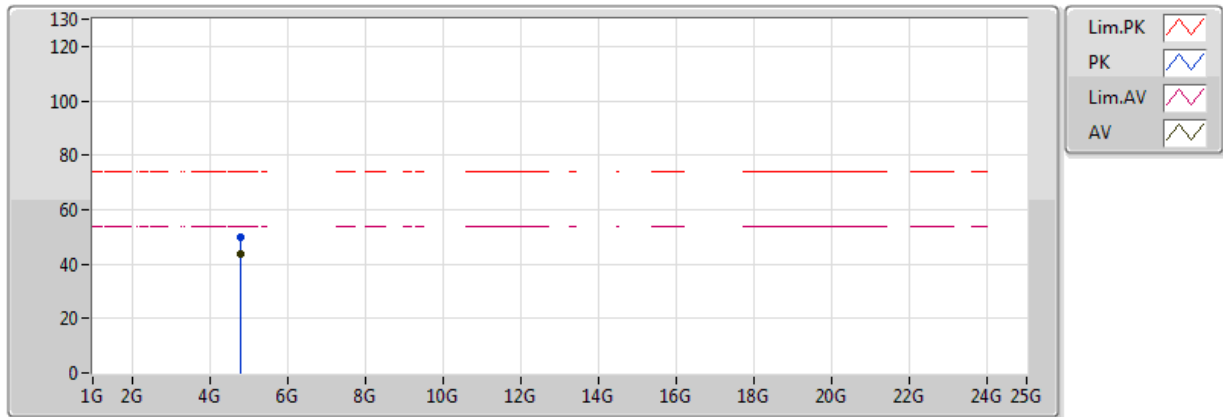


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.80394G	41.23	54.00	-12.77	2.99	3	Vertical	234	2.36	-
PK	4.804359G	48.30	74.00	-25.70	2.99	3	Vertical	234	2.36	-

BT-BR(1Mbps)

2402MHz_TX

22/05/2018

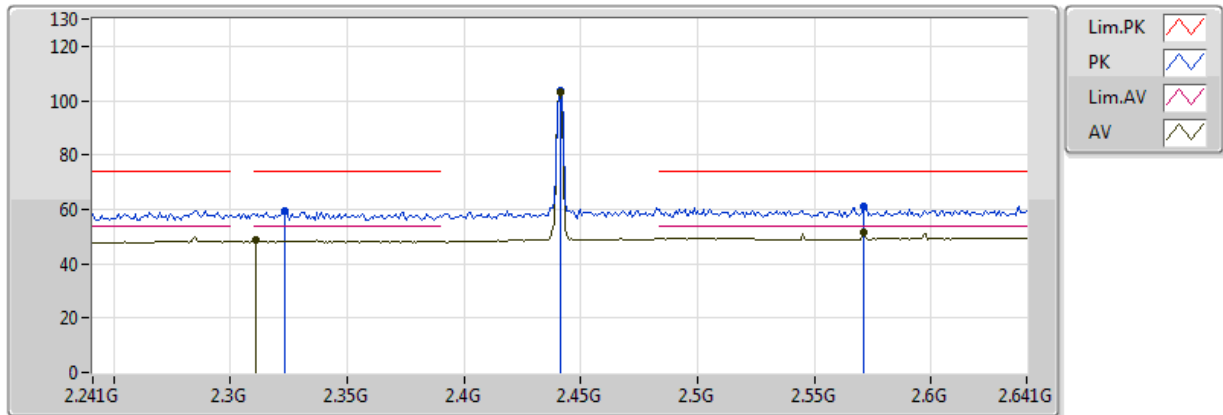


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.80398G	43.56	54.00	-10.44	2.99	3	Horizontal	247	1.01	-
PK	4.80384G	50.09	74.00	-23.91	2.99	3	Horizontal	247	1.01	-

BT-BR(1Mbps)

2441MHz_TX

22/05/2018

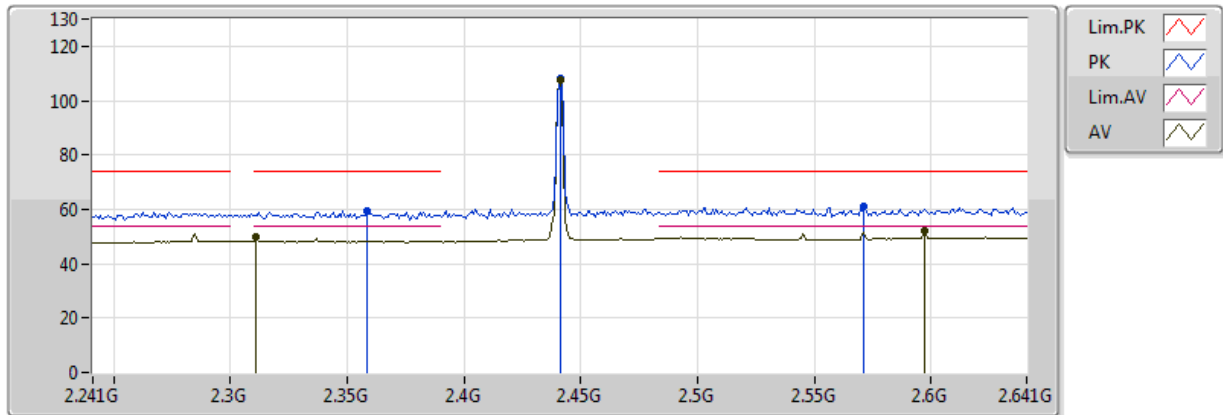


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3106G	48.97	54.00	-5.03	31.99	3	Vertical	130	2.99	-
AV	2.441G	103.29	Inf	-Inf	32.46	3	Vertical	130	2.99	-
AV	2.5714G	51.30	54.00	-2.70	32.90	3	Vertical	130	2.99	-
PK	2.3234G	59.14	74.00	-14.86	32.04	3	Vertical	130	2.99	-
PK	2.441G	103.82	Inf	-Inf	32.46	3	Vertical	130	2.99	-
PK	2.5714G	61.14	74.00	-12.86	32.90	3	Vertical	130	2.99	-

BT-BR(1Mbps)

2441MHz_TX

22/05/2018

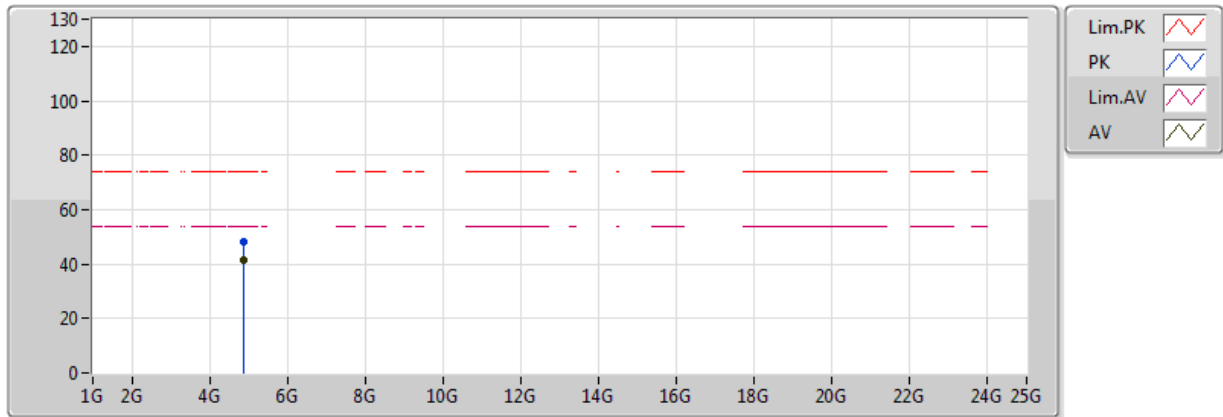


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3106G	49.96	54.00	-4.04	31.99	3	Horizontal	227	2.64	-
AV	2.441G	107.65	Inf	-Inf	32.46	3	Horizontal	227	2.64	-
AV	2.597G	51.90	54.00	-2.10	32.98	3	Horizontal	227	2.64	-
PK	2.3586G	59.19	74.00	-14.81	32.16	3	Horizontal	227	2.64	-
PK	2.441G	108.15	Inf	-Inf	32.46	3	Horizontal	227	2.64	-
PK	2.5714G	60.94	74.00	-13.06	32.90	3	Horizontal	227	2.64	-

BT-BR(1Mbps)

2441MHz_TX

22/05/2018

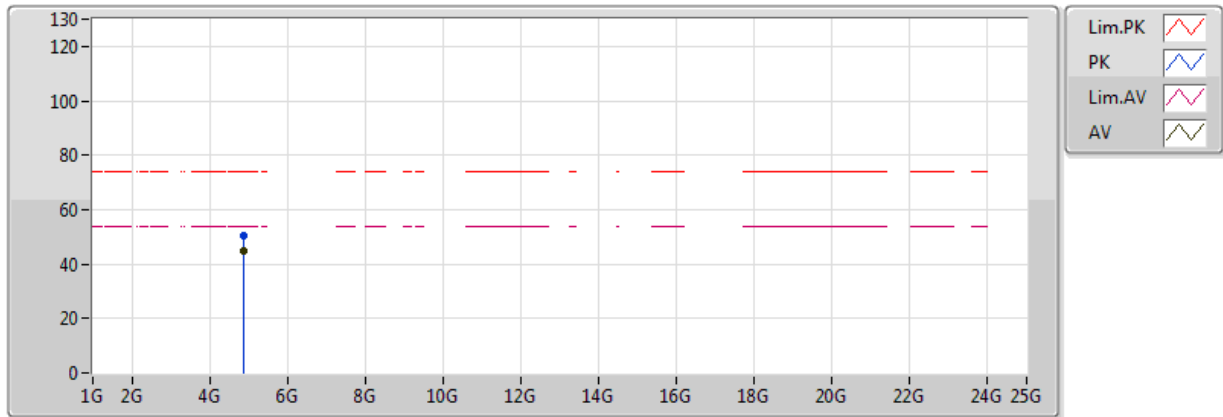


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.881932G	41.24	54.00	-12.76	3.16	3	Vertical	231	2.45	-
PK	4.881605G	48.32	74.00	-25.68	3.16	3	Vertical	231	2.45	-

BT-BR(1Mbps)

2441MHz_TX

22/05/2018

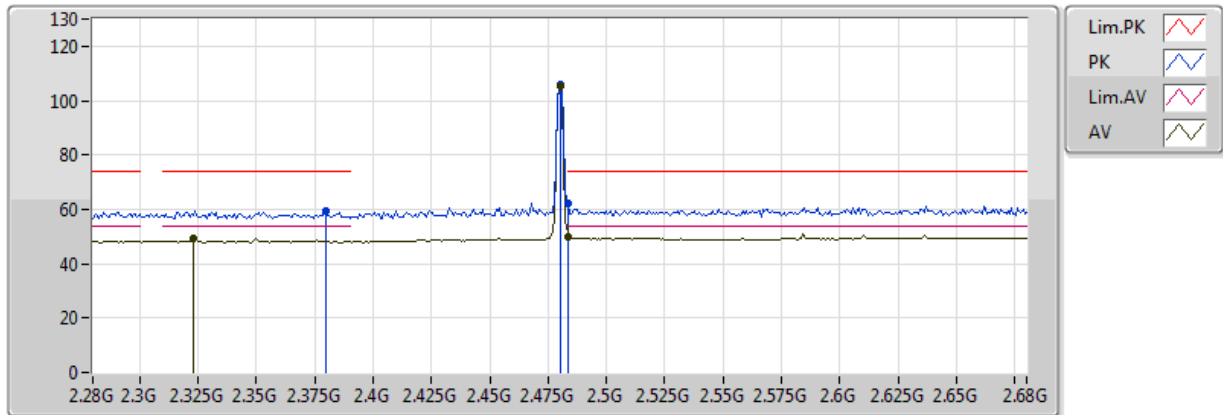


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.88206G	44.77	54.00	-9.23	3.16	3	Horizontal	252	3.19	-
PK	4.882319G	50.27	74.00	-23.73	3.16	3	Horizontal	252	3.19	-

BT-BR(1Mbps)

2480MHz_TX

22/05/2018

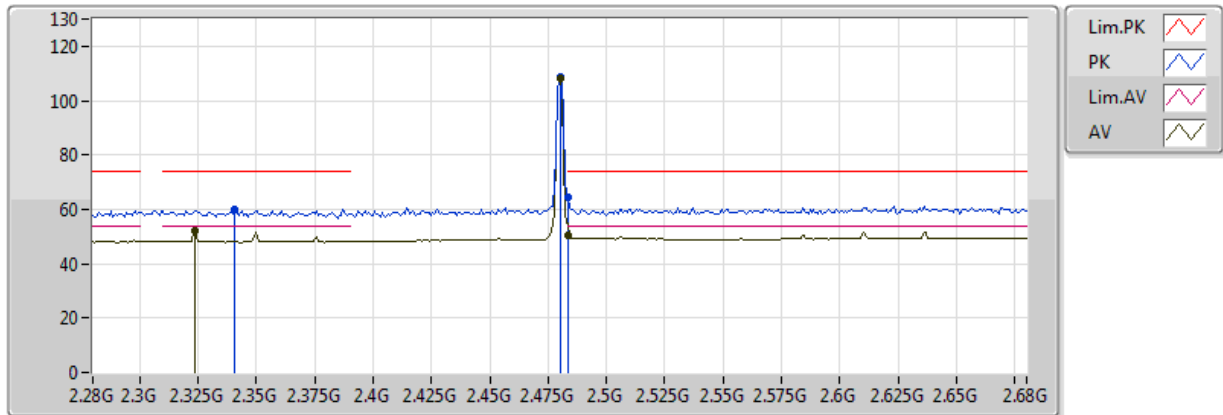


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3232G	49.45	54.00	-4.55	32.03	3	Vertical	131	3.25	-
AV	2.48G	105.35	Inf	-Inf	32.60	3	Vertical	131	3.25	-
AV	2.483502G	49.60	54.00	-4.40	32.61	3	Vertical	131	3.25	-
PK	2.38G	59.38	74.00	-14.62	32.24	3	Vertical	131	3.25	-
PK	2.48G	105.99	Inf	-Inf	32.60	3	Vertical	131	3.25	-
PK	2.483502G	62.01	74.00	-11.99	32.61	3	Vertical	131	3.25	-

BT-BR(1Mbps)

2480MHz_TX

22/05/2018

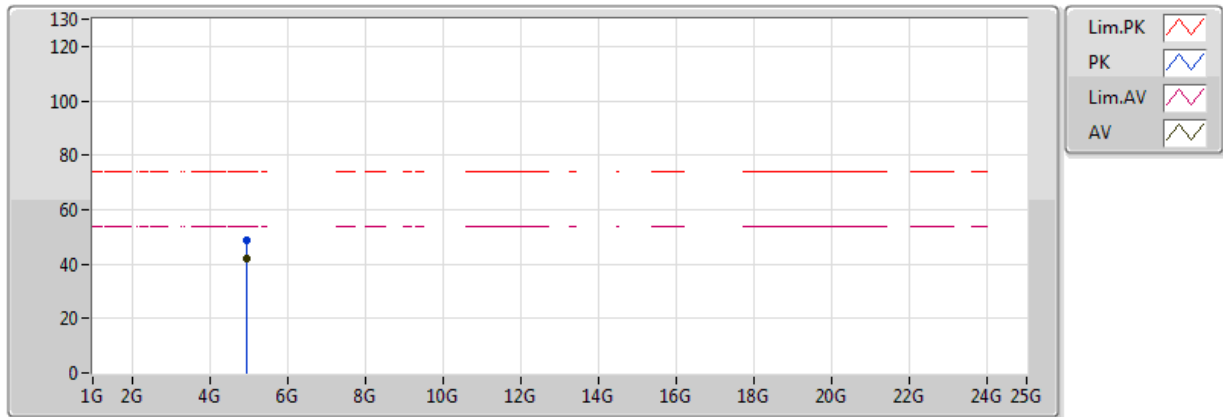


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.324G	52.00	54.00	-2.00	32.04	3	Horizontal	218	2.89	-
AV	2.48G	108.33	Inf	-Inf	32.60	3	Horizontal	218	2.89	-
AV	2.483502G	50.38	54.00	-3.62	32.61	3	Horizontal	218	2.89	-
PK	2.3408G	60.09	74.00	-13.91	32.10	3	Horizontal	218	2.89	-
PK	2.48G	108.85	Inf	-Inf	32.60	3	Horizontal	218	2.89	-
PK	2.483502G	64.71	74.00	-9.29	32.61	3	Horizontal	218	2.89	-

BT-BR(1Mbps)

2480MHz_TX

22/05/2018

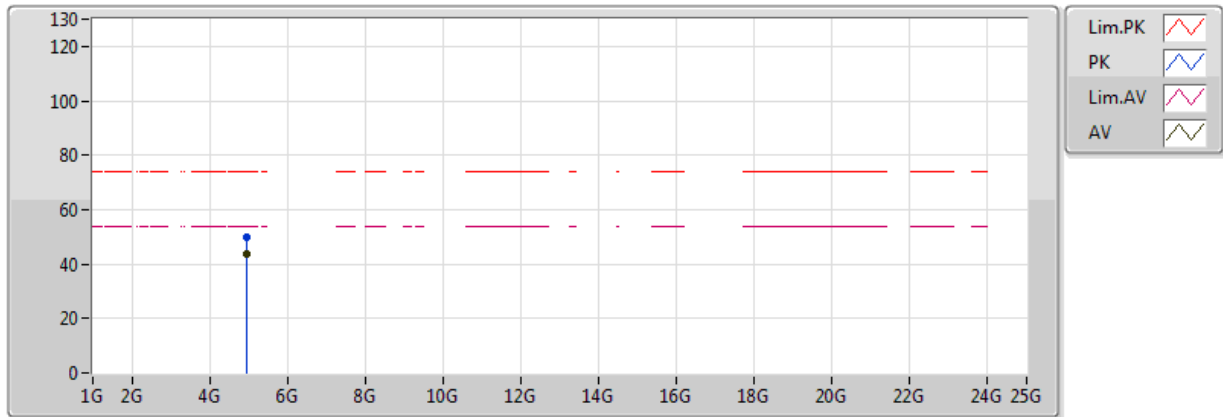


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.95994G	42.24	54.00	-11.76	3.33	3	Vertical	223	3.09	-
PK	4.959681G	48.97	74.00	-25.03	3.33	3	Vertical	223	3.09	-

BT-BR(1Mbps)

2480MHz_TX

22/05/2018

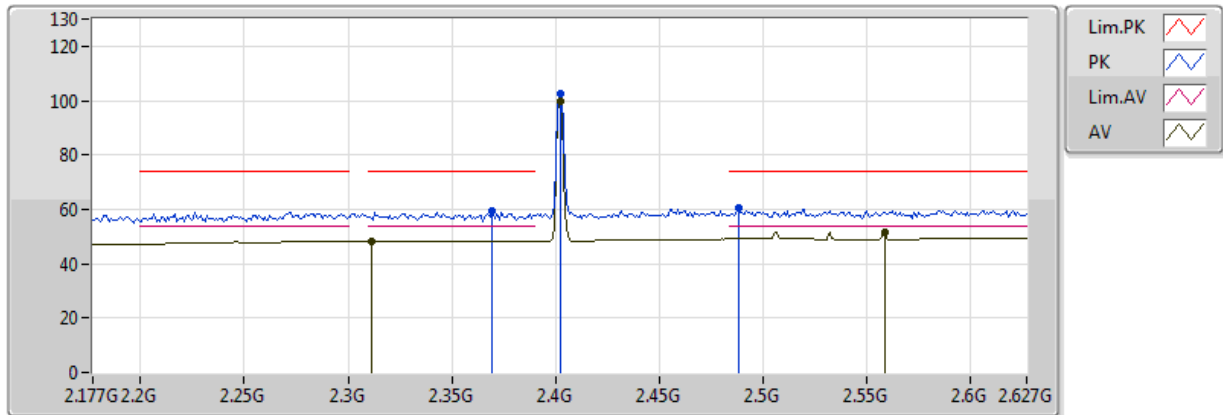


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.96G	43.44	54.00	-10.56	3.33	3	Horizontal	243	2.17	-
PK	4.959501G	50.03	74.00	-23.97	3.32	3	Horizontal	243	2.17	-

BT-EDR(2Mbps)

2402MHz_TX

22/05/2018

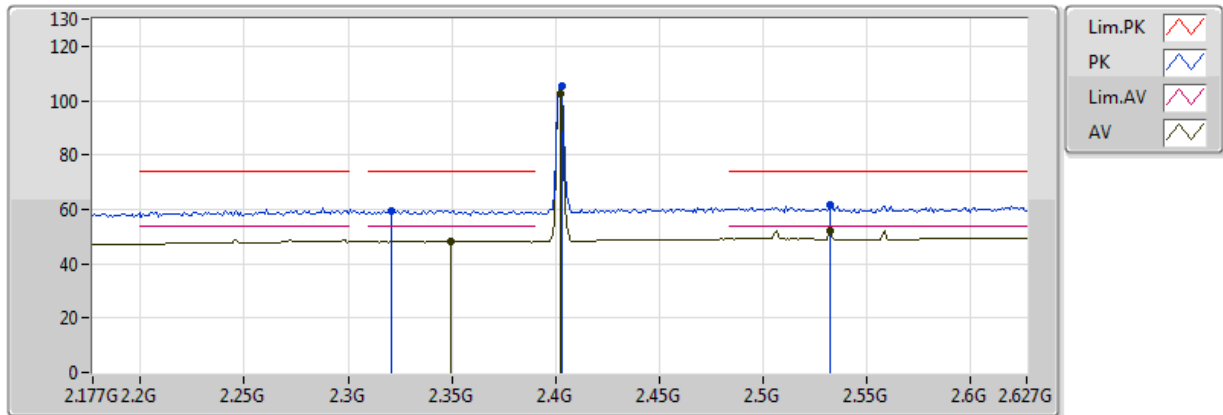


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3111G	48.14	54.00	-5.86	31.99	3	Vertical	140	3.08	-
AV	2.402G	99.47	Inf	-Inf	32.32	3	Vertical	140	3.08	-
AV	2.5586G	51.69	54.00	-2.31	32.86	3	Vertical	140	3.08	-
PK	2.3696G	59.28	74.00	-14.72	32.20	3	Vertical	140	3.08	-
PK	2.402G	102.48	Inf	-Inf	32.32	3	Vertical	140	3.08	-
PK	2.4884G	60.76	74.00	-13.24	32.63	3	Vertical	140	3.08	-

BT-EDR(2Mbps)

2402MHz_TX

22/05/2018

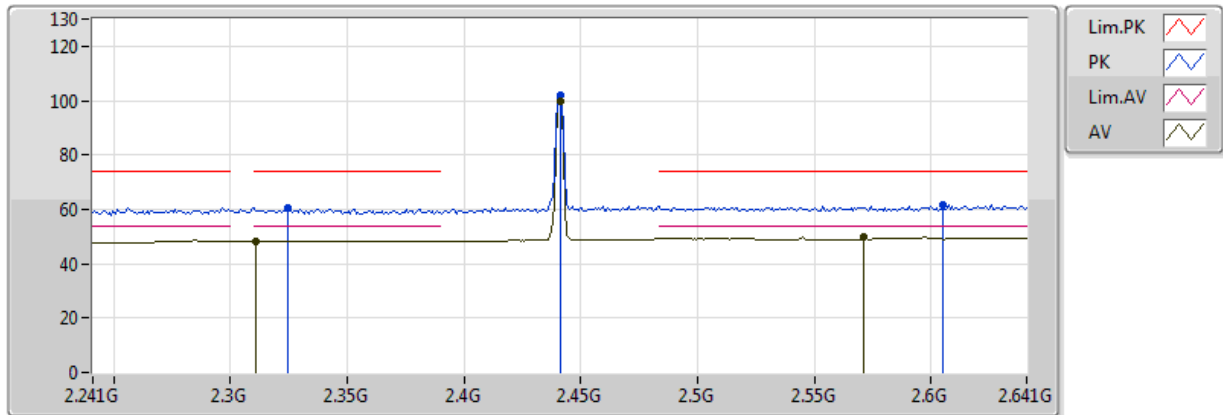


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3498G	48.27	54.00	-5.73	32.13	3	Horizontal	216	1.01	-
AV	2.402G	102.72	Inf	-Inf	32.32	3	Horizontal	216	1.01	-
AV	2.5325G	52.31	54.00	-1.69	32.77	3	Horizontal	216	1.01	-
PK	2.321G	59.67	74.00	-14.33	32.03	3	Horizontal	216	1.01	-
PK	2.4029G	105.55	Inf	-Inf	32.32	3	Horizontal	216	1.01	-
PK	2.5325G	61.45	74.00	-12.55	32.77	3	Horizontal	216	1.01	-

BT-EDR(2Mbps)

2441MHz_TX

22/05/2018

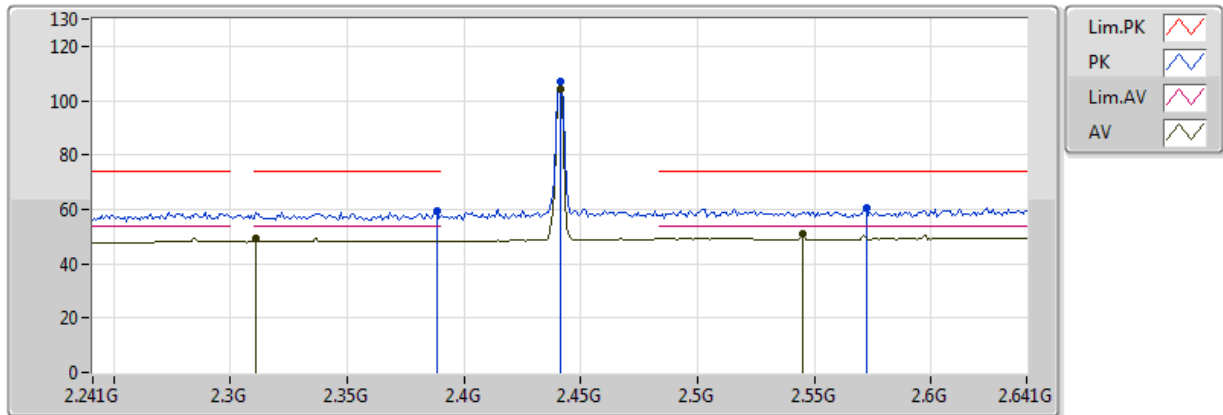


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3106G	48.42	54.00	-5.58	31.99	3	Vertical	130	3.01	-
AV	2.441G	99.95	Inf	-Inf	32.46	3	Vertical	130	3.01	-
AV	2.5714G	50.11	54.00	-3.89	32.90	3	Vertical	130	3.01	-
PK	2.3242G	60.49	74.00	-13.51	32.04	3	Vertical	130	3.01	-
PK	2.441G	101.77	Inf	-Inf	32.46	3	Vertical	130	3.01	-
PK	2.605G	61.65	74.00	-12.35	33.01	3	Vertical	130	3.01	-

BT-EDR(2Mbps)

2441MHz_TX

22/05/2018

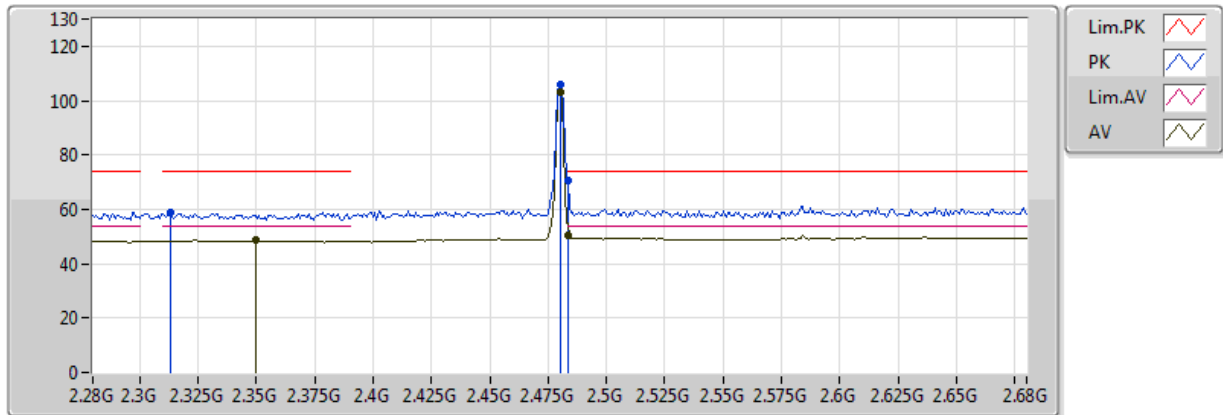


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3106G	49.23	54.00	-4.77	31.99	3	Horizontal	230	1.30	-
AV	2.441G	104.01	Inf	-Inf	32.46	3	Horizontal	230	1.30	-
AV	2.545G	51.03	54.00	-2.97	32.81	3	Horizontal	230	1.30	-
PK	2.3882G	59.37	74.00	-14.63	32.27	3	Horizontal	230	1.30	-
PK	2.441G	106.91	Inf	-Inf	32.46	3	Horizontal	230	1.30	-
PK	2.5722G	60.58	74.00	-13.42	32.90	3	Horizontal	230	1.30	-

BT-EDR(2Mbps)

2480MHz_TX

22/05/2018

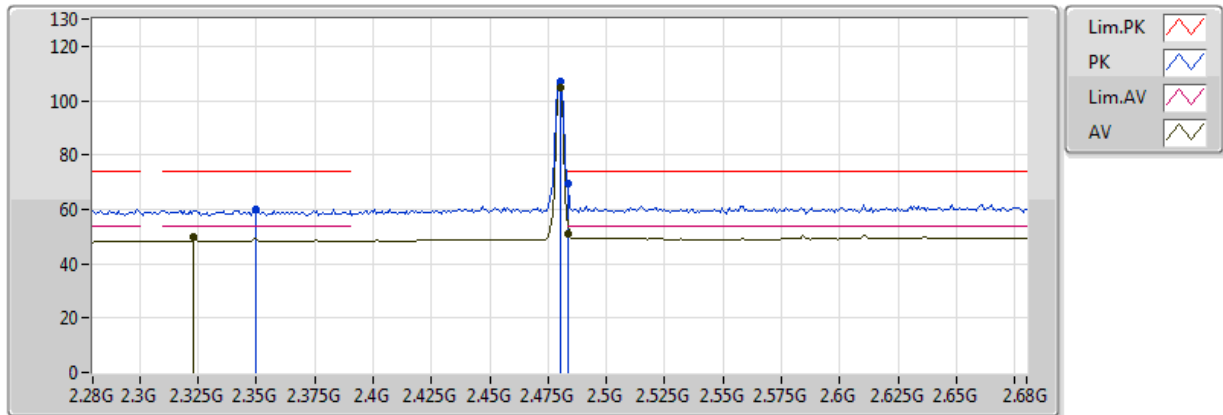


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3496G	48.81	54.00	-5.19	32.13	3	Vertical	136	3.26	-
AV	2.48G	103.14	Inf	-Inf	32.60	3	Vertical	136	3.26	-
AV	2.483502G	50.63	54.00	-3.37	32.61	3	Vertical	136	3.26	-
PK	2.3136G	59.01	74.00	-14.99	32.00	3	Vertical	136	3.26	-
PK	2.48G	105.82	Inf	-Inf	32.60	3	Vertical	136	3.26	-
PK	2.483502G	70.36	74.00	-3.64	32.61	3	Vertical	136	3.26	-

BT-EDR(2Mbps)

2480MHz_TX

22/05/2018

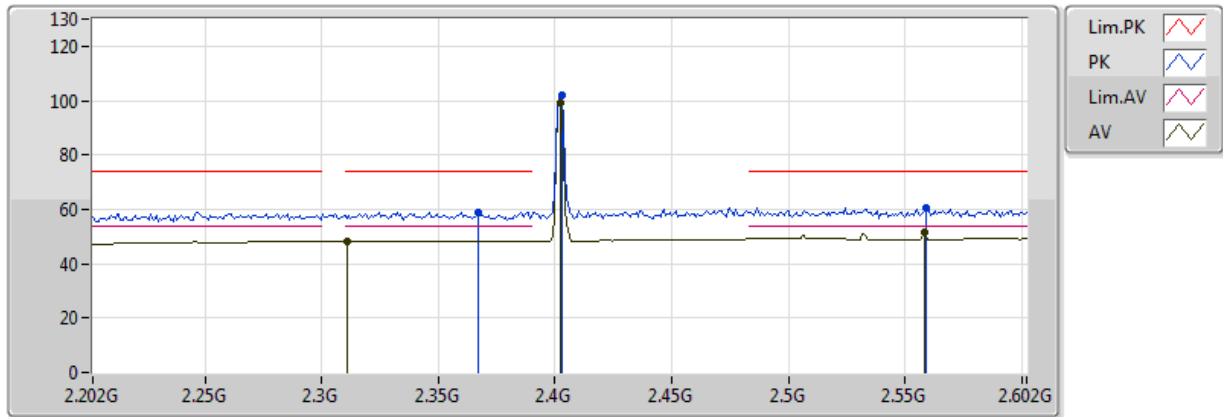


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3232G	49.69	54.00	-4.31	32.03	3	Horizontal	213	2.10	-
AV	2.48G	104.56	Inf	-Inf	32.60	3	Horizontal	213	2.10	-
AV	2.483502G	50.86	54.00	-3.14	32.61	3	Horizontal	213	2.10	-
PK	2.3496G	60.16	74.00	-13.84	32.13	3	Horizontal	213	2.10	-
PK	2.48G	106.91	Inf	-Inf	32.60	3	Horizontal	213	2.10	-
PK	2.483502G	69.58	74.00	-4.42	32.61	3	Horizontal	213	2.10	-

BT-EDR(3Mbps)

2402MHz_TX

22/05/2018

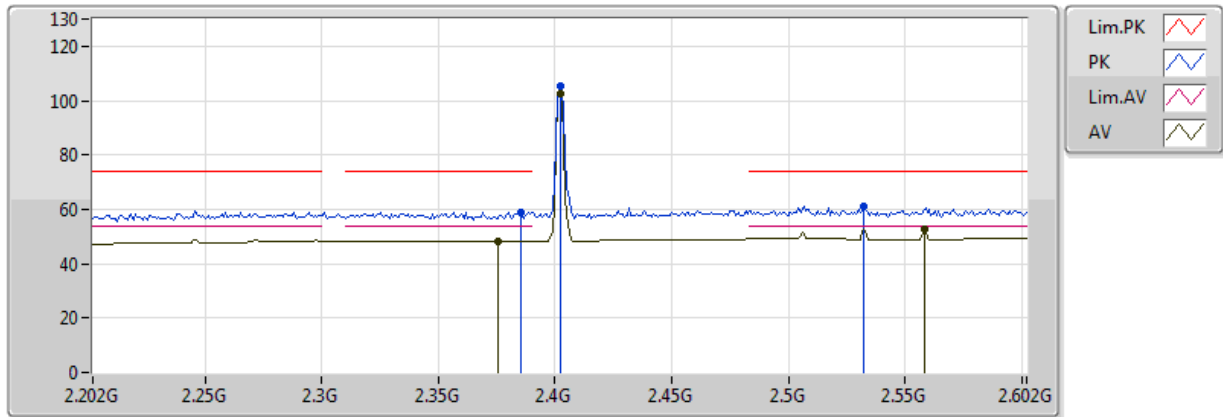


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3108G	48.14	54.00	-5.86	31.99	3	Vertical	140	3.07	-
AV	2.402G	98.93	Inf	-Inf	32.32	3	Vertical	140	3.07	-
AV	2.558G	51.47	54.00	-2.53	32.86	3	Vertical	140	3.07	-
PK	2.3668G	59.05	74.00	-14.95	32.19	3	Vertical	140	3.07	-
PK	2.4028G	101.98	Inf	-Inf	32.32	3	Vertical	140	3.07	-
PK	2.5588G	60.46	74.00	-13.54	32.86	3	Vertical	140	3.07	-

BT-EDR(3Mbps)

2402MHz_TX

22/05/2018

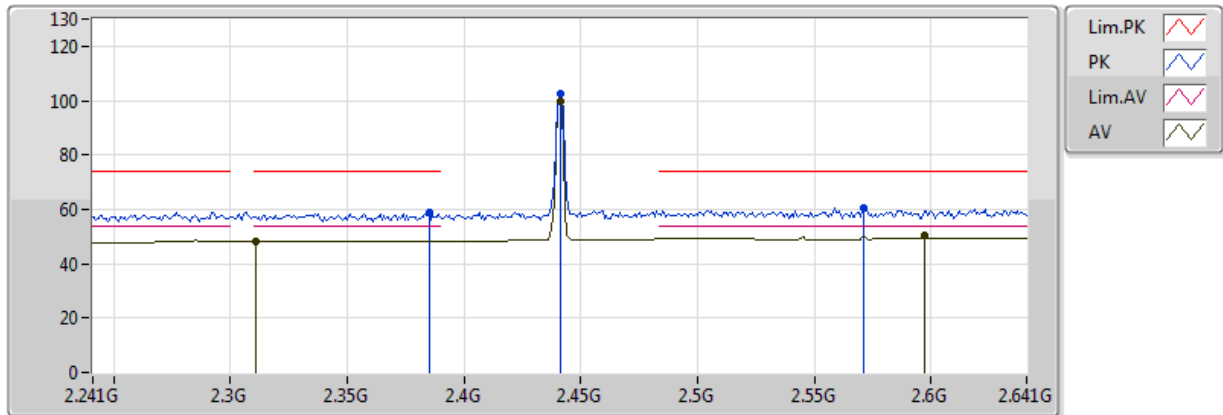


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3756G	48.24	54.00	-5.76	32.22	3	Horizontal	213	3.08	-
AV	2.402G	102.62	Inf	-Inf	32.32	3	Horizontal	213	3.08	-
AV	2.558G	52.69	54.00	-1.31	32.86	3	Horizontal	213	3.08	-
PK	2.3852G	59.09	74.00	-14.91	32.25	3	Horizontal	213	3.08	-
PK	2.402G	105.50	Inf	-Inf	32.32	3	Horizontal	213	3.08	-
PK	2.5324G	61.18	74.00	-12.82	32.77	3	Horizontal	213	3.08	-

BT-EDR(3Mbps)

2441MHz_TX

22/05/2018

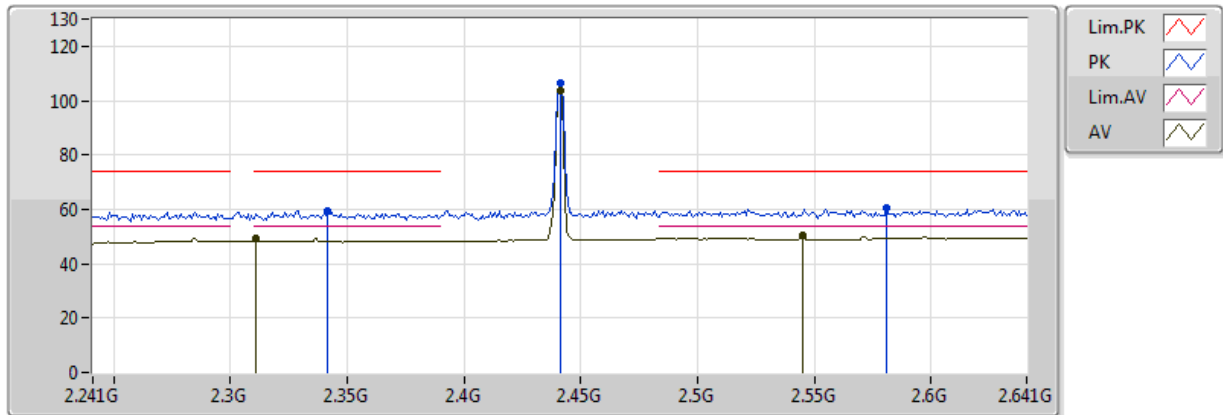


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3106G	48.42	54.00	-5.58	31.99	3	Vertical	141	3.03	-
AV	2.441G	99.83	Inf	-Inf	32.46	3	Vertical	141	3.03	-
AV	2.597G	50.28	54.00	-3.72	32.98	3	Vertical	141	3.03	-
PK	2.385G	58.70	74.00	-15.30	32.25	3	Vertical	141	3.03	-
PK	2.441G	102.68	Inf	-Inf	32.46	3	Vertical	141	3.03	-
PK	2.5714G	60.51	74.00	-13.49	32.90	3	Vertical	141	3.03	-

BT-EDR(3Mbps)

2441MHz_TX

22/05/2018

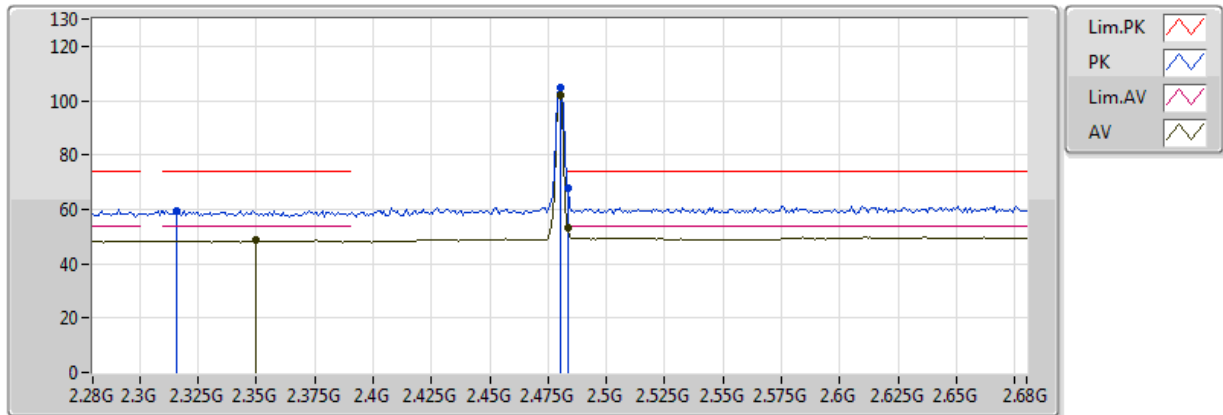


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3106G	49.23	54.00	-4.77	31.99	3	Horizontal	231	1.29	-
AV	2.441G	103.54	Inf	-Inf	32.46	3	Horizontal	231	1.29	-
AV	2.545G	50.56	54.00	-3.44	32.81	3	Horizontal	231	1.29	-
PK	2.3418G	59.44	74.00	-14.56	32.10	3	Horizontal	231	1.29	-
PK	2.441G	106.32	Inf	-Inf	32.46	3	Horizontal	231	1.29	-
PK	2.581G	60.40	74.00	-13.60	32.93	3	Horizontal	231	1.29	-

BT-EDR(3Mbps)

2480MHz_TX

22/05/2018

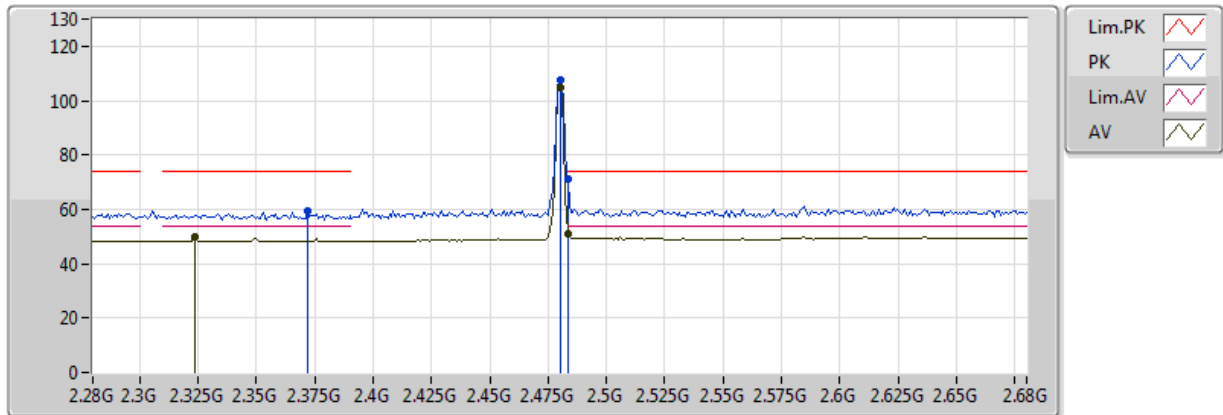


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3496G	48.81	54.00	-5.19	32.13	3	Vertical	136	3.19	-
AV	2.48G	102.08	Inf	-Inf	32.60	3	Vertical	136	3.19	-
AV	2.483502G	53.48	54.00	-0.52	32.61	3	Vertical	136	3.19	-
PK	2.316G	59.61	74.00	-14.39	32.01	3	Vertical	136	3.19	-
PK	2.48G	104.59	Inf	-Inf	32.60	3	Vertical	136	3.19	-
PK	2.483502G	68.03	74.00	-5.97	32.61	3	Vertical	136	3.19	-

BT-EDR(3Mbps)

2480MHz_TX

22/05/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.324G	49.93	54.00	-4.07	32.04	3	Horizontal	213	2.31	-
AV	2.48G	104.61	Inf	-Inf	32.60	3	Horizontal	213	2.31	-
AV	2.483502G	51.10	54.00	-2.90	32.61	3	Horizontal	213	2.31	-
PK	2.372G	59.29	74.00	-14.71	32.21	3	Horizontal	213	2.31	-
PK	2.48G	107.32	Inf	-Inf	32.60	3	Horizontal	213	2.31	-
PK	2.483502G	70.93	74.00	-3.07	32.61	3	Horizontal	213	2.31	-

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	PK	912.7M	37.11	46.00	-8.89	2.77	3	Horizontal	0	1.00	-

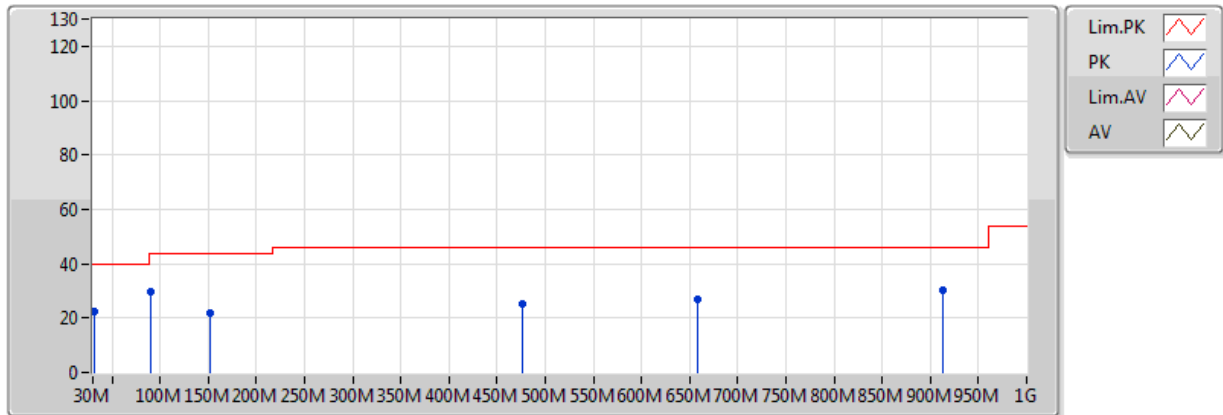
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2441MHz	Pass	PK	31.94M	22.28	40.00	-17.72	-5.36	3	Vertical	360	1.00	-
2441MHz	Pass	PK	90.14M	29.79	43.50	-13.71	-12.35	3	Vertical	360	1.00	-
2441MHz	Pass	PK	152.22M	21.75	43.50	-21.75	-10.33	3	Vertical	360	1.00	-
2441MHz	Pass	PK	476.2M	25.06	46.00	-20.94	-2.37	3	Vertical	360	1.00	-
2441MHz	Pass	PK	658.56M	26.83	46.00	-19.17	-0.40	3	Vertical	360	1.00	-
2441MHz	Pass	PK	912.7M	30.35	46.00	-15.65	2.77	3	Vertical	360	1.00	-
2441MHz	Pass	PK	30M	22.52	40.00	-17.48	-4.45	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	90.14M	25.28	43.50	-18.22	-12.35	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	311.3M	28.38	46.00	-17.62	-5.49	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	705.12M	32.15	46.00	-13.85	-0.07	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	871.96M	35.40	46.00	-10.60	2.25	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	912.7M	37.11	46.00	-8.89	2.77	3	Horizontal	0	1.00	-

BT-BR(1Mbps)RX

2441MHz_Battety mode

23/05/2018

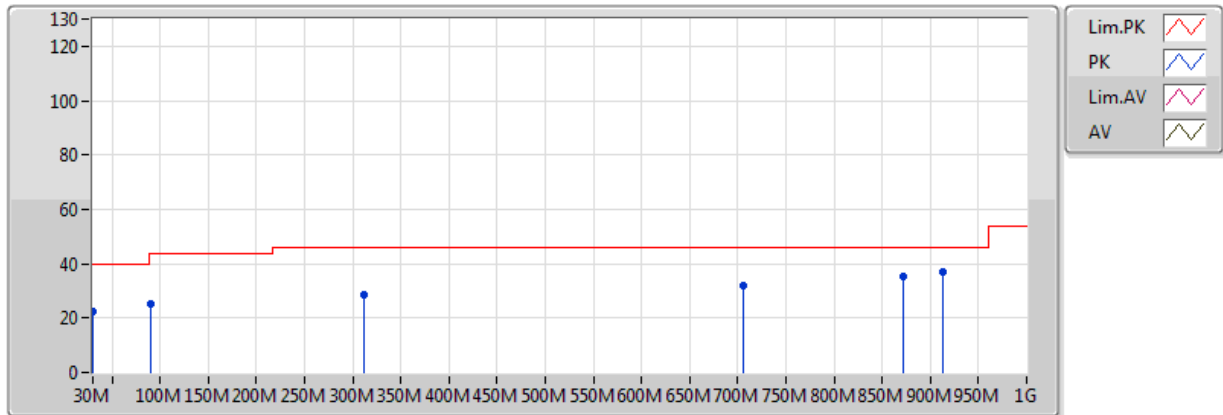


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	31.94M	22.28	40.00	-17.72	-5.36	3	Vertical	360	1.00	-
PK	90.14M	29.79	43.50	-13.71	-12.35	3	Vertical	360	1.00	-
PK	152.22M	21.75	43.50	-21.75	-10.33	3	Vertical	360	1.00	-
PK	476.2M	25.06	46.00	-20.94	-2.37	3	Vertical	360	1.00	-
PK	658.56M	26.83	46.00	-19.17	-0.40	3	Vertical	360	1.00	-
PK	912.7M	30.35	46.00	-15.65	2.77	3	Vertical	360	1.00	-

BT-BR(1Mbps)RX

2441MHz_Battety mode

23/05/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	30M	22.52	40.00	-17.48	-4.45	3	Horizontal	0	1.00	-
PK	90.14M	25.28	43.50	-18.22	-12.35	3	Horizontal	0	1.00	-
PK	311.3M	28.38	46.00	-17.62	-5.49	3	Horizontal	0	1.00	-
PK	705.12M	32.15	46.00	-13.85	-0.07	3	Horizontal	0	1.00	-
PK	871.96M	35.40	46.00	-10.60	2.25	3	Horizontal	0	1.00	-
PK	912.7M	37.11	46.00	-8.89	2.77	3	Horizontal	0	1.00	-

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	AV	4.37G	33.96	54.00	-20.04	2.01	3	Horizontal	0	1.00	-

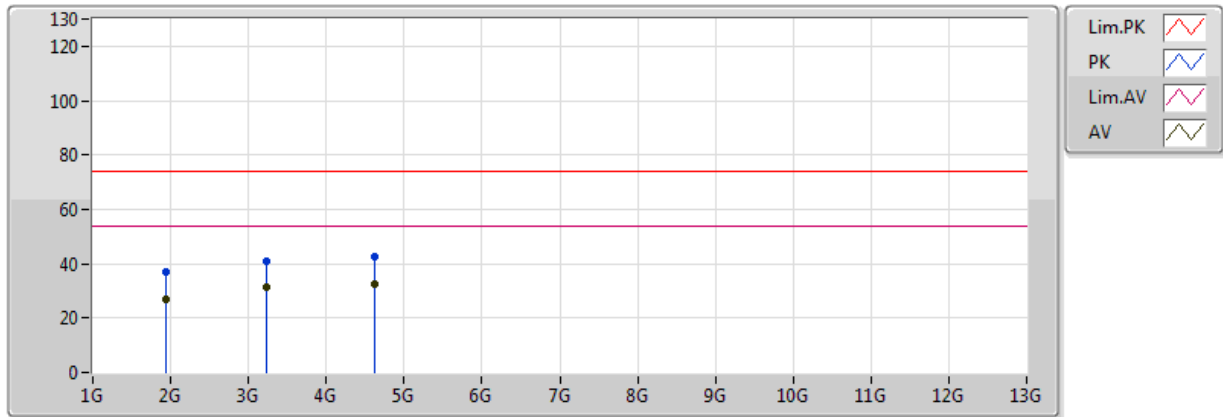
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2441MHz	Pass	AV	1.93G	27.09	54.00	-26.91	-3.67	3	Vertical	360	1.00	-
2441MHz	Pass	AV	3.23G	31.53	54.00	-22.47	-0.23	3	Vertical	360	1.00	-
2441MHz	Pass	AV	4.62G	32.47	54.00	-21.53	2.58	3	Vertical	360	1.00	-
2441MHz	Pass	PK	1.93G	37.19	74.00	-36.81	-3.67	3	Vertical	360	1.00	-
2441MHz	Pass	PK	3.23G	40.92	74.00	-33.08	-0.23	3	Vertical	360	1.00	-
2441MHz	Pass	PK	4.62G	42.66	74.00	-31.34	2.58	3	Vertical	360	1.00	-
2441MHz	Pass	AV	1.299999G	26.40	54.00	-27.60	-5.72	3	Horizontal	0	1.00	-
2441MHz	Pass	AV	3.02G	29.79	54.00	-24.21	-0.46	3	Horizontal	0	1.00	-
2441MHz	Pass	AV	4.37G	33.96	54.00	-20.04	2.01	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	1.299999G	39.26	74.00	-34.74	-5.72	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	3.02G	42.69	74.00	-31.31	-0.46	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	4.37G	47.20	74.00	-26.80	2.01	3	Horizontal	0	1.00	-

BT-BR(1Mbps)RX

2441MHz_RX

23/05/2018

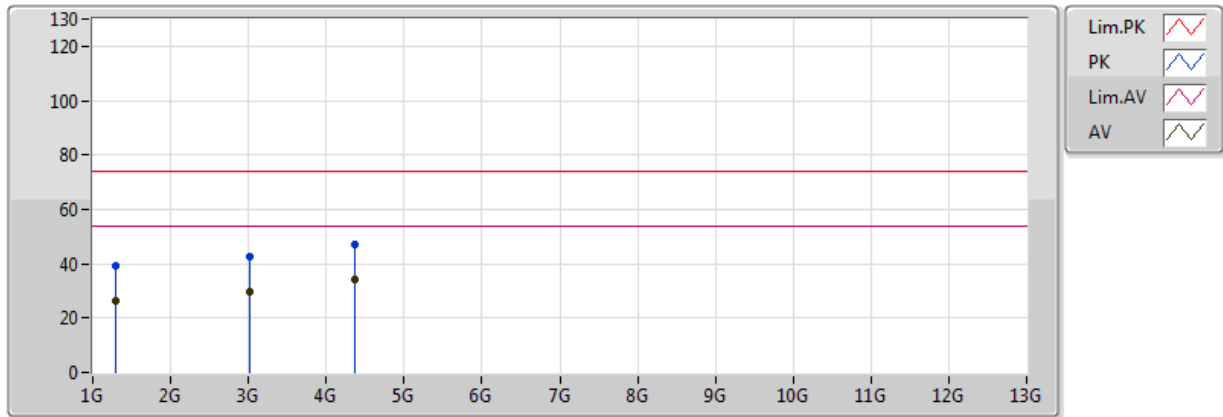


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	1.93G	27.09	54.00	-26.91	-3.67	3	Vertical	360	1.00	-
AV	3.23G	31.53	54.00	-22.47	-0.23	3	Vertical	360	1.00	-
AV	4.62G	32.47	54.00	-21.53	2.58	3	Vertical	360	1.00	-
PK	1.93G	37.19	74.00	-36.81	-3.67	3	Vertical	360	1.00	-
PK	3.23G	40.92	74.00	-33.08	-0.23	3	Vertical	360	1.00	-
PK	4.62G	42.66	74.00	-31.34	2.58	3	Vertical	360	1.00	-

BT-BR(1Mbps)RX

2441MHz_RX

23/05/2018



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	1.299999G	26.40	54.00	-27.60	-5.72	3	Horizontal	0	1.00	-
AV	3.02G	29.79	54.00	-24.21	-0.46	3	Horizontal	0	1.00	-
AV	4.37G	33.96	54.00	-20.04	2.01	3	Horizontal	0	1.00	-
PK	1.299999G	39.26	74.00	-34.74	-5.72	3	Horizontal	0	1.00	-
PK	3.02G	42.69	74.00	-31.31	-0.46	3	Horizontal	0	1.00	-
PK	4.37G	47.20	74.00	-26.80	2.01	3	Horizontal	0	1.00	-