

FCC Test Report

Equipment : RockBand Alert
Brand Name : RockBand
Model No. : RBA020
FCC ID : 2AOXWRBA020
Standard : 47 CFR FCC Part 15.247
Operating Band : 2400 MHz – 2483.5 MHz
Function : ☒ Point-to-multipoint; ☐ Point-to-point
Applicant : AiCare Corporation
3F., No.28, Ln. 260, Sec. 2, Zhongyi Rd., Guishan
Dist., Taoyuan City 333, Taiwan
Manufacturer : BandRich Inc.
6F.-2, No.71, Zhouzi St., Neihu Dist., Taipei City 114,
Taiwan

The product sample received on Jan. 17, 2018 and completely tested on Mar. 17, 2018. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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


Phoenix Chen / Assistant Manager

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Summary of Test Result

Conformance Test Specifications				
Report Clause	Ref. Std. Clause	Description	Limit	Result
1.1.2	15.203	Antenna Requirement	FCC 15.203	Complied
3.1	15.207	AC Power-line Conducted Emissions	FCC 15.207	Complied
3.2	15.247(a)	DTS Bandwidth	≥500kHz	Complied
3.3	15.247(b)	Maximum Conducted Output Power	Power [dBm]:30	Complied
3.4	15.247(e)	Power Spectral Density	PSD [dBm/3kHz]:8	Complied
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	Non-Restricted Bands: >30 dBc	Complied
3.6	15.247(d)	Emissions in Restricted Frequency Bands	Restricted Bands: FCC 15.209	Complied



SPORTON INTERNATIONAL INC.
TEL : 886-3-3273456
FAX : 886-3-3270973
FCC ID: **2AOXWRBA020**

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	Bluetooth Mode	Ch. Frequency (MHz)	Channel Number
2400-2483.5	LE	2402-2480	0-39 [40]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	BT-LE(1Mbps)	1.0	1TX

Note:

- ♦ Bluetooth LE uses a GFSK (1Mbps) modulation for DSSS.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	Unictron	AA055A	Chip Antenna	fixed on board	-0.1

1.1.3 EUT Information

Identify EUT	
RF Chip	Brand : TEXAS INSTRUMENTS / Model Name : CC2640
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-LE(1Mbps)	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)

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
- ♦ KDB 558074 D01 v04

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Andy	23.5°C / 65%	26/Jan/2018
Radiated <9kHz~30MHz>	03CH02-HY	Andy	24.1°C / 55%	17/Mar/2018
Radiated <30MHz~25GHz>	03CH02-HY	Andy	23.8°C / 57%	17/Jan/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

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

2.2 Test Channel Mode

Test Software	non SW but switch
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Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	default
2440MHz	default
2480MHz	default

2.3 The Worst Case Measurement Configuration

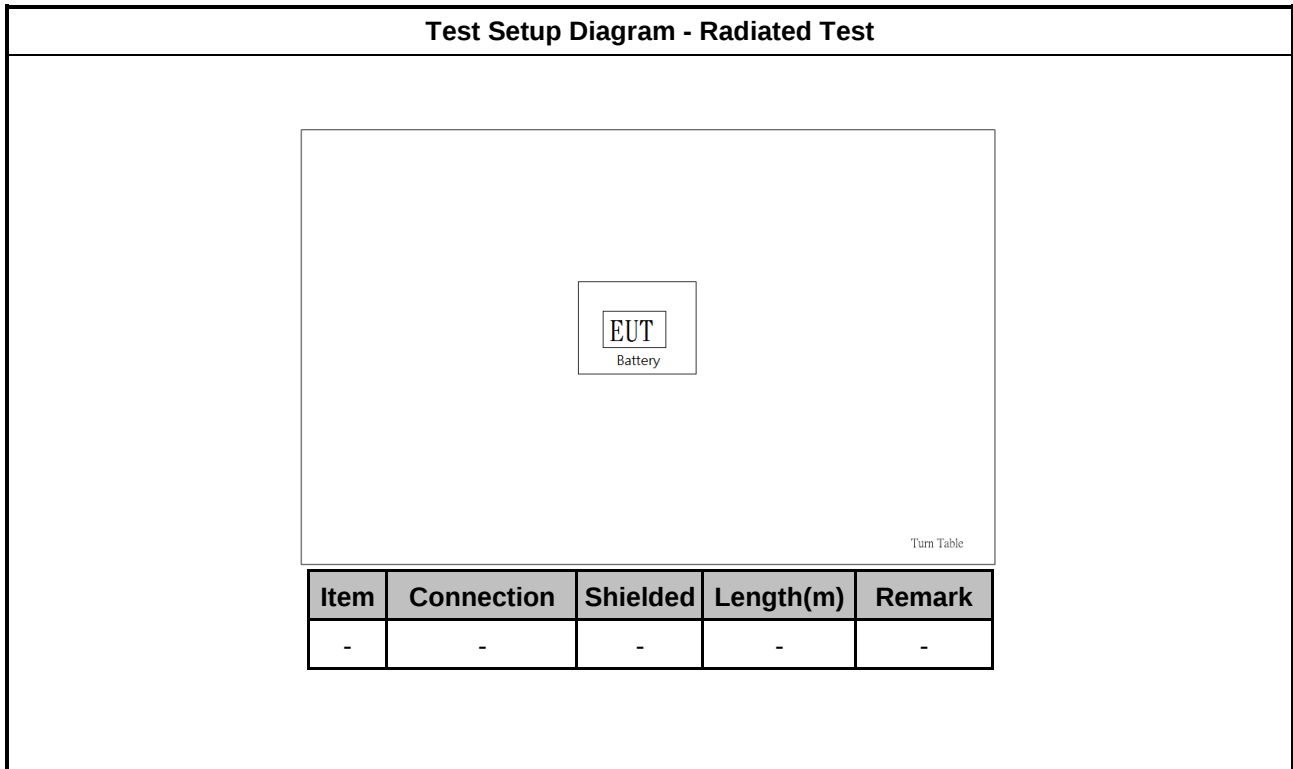
The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains

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

2.4 Support Equipment

Support Equipment - RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	DC Source	GW	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.

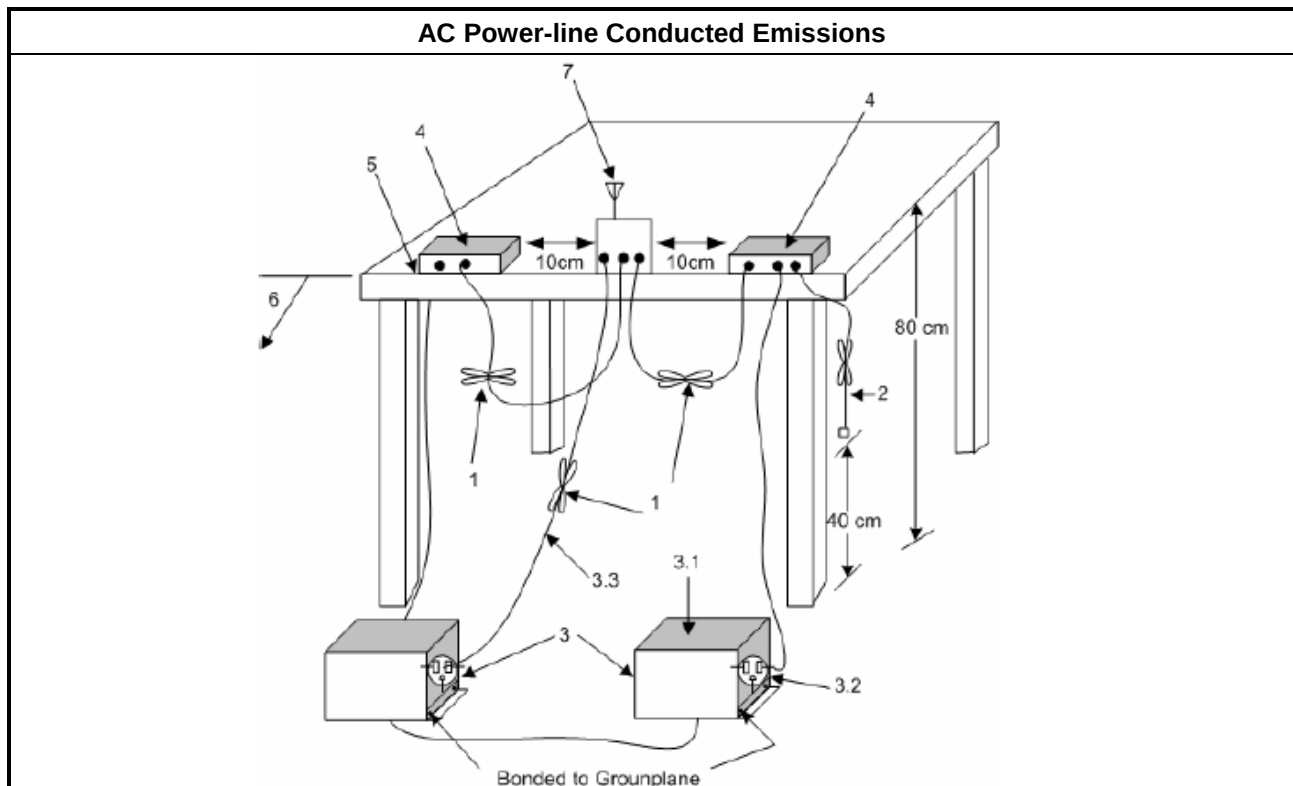
3.1.2 Measuring Instruments

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 FCC 15.207 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 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit	
Systems using digital modulation techniques:	
▪	6 dB bandwidth $\geq$ 500 kHz.

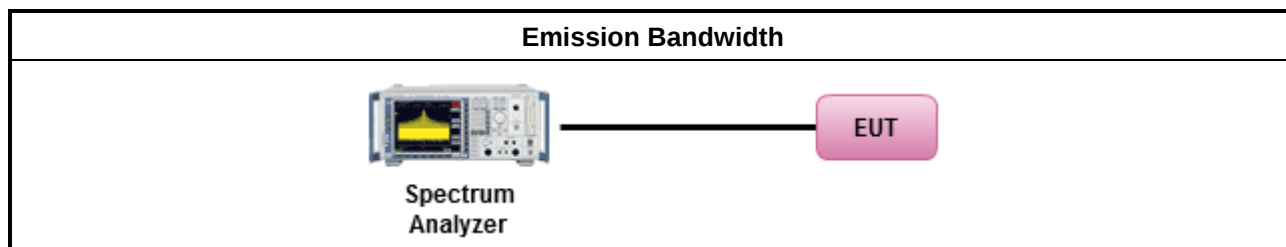
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
☒	Refer as KDB 558074, clause 8.1 Option 1 for 6 dB bandwidth measurement.
☐	Refer as KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit		
	▪	If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	▪	Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	▪	Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	▪	Smart antenna system (SAS):
	-	Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	-	Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	-	Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
e.i.r.p. Power Limit:		
	▪	2400-2483.5 MHz Band
	▪	Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	▪	Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	▪	Smart antenna system (SAS)
	-	Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	-	Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	-	Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.		

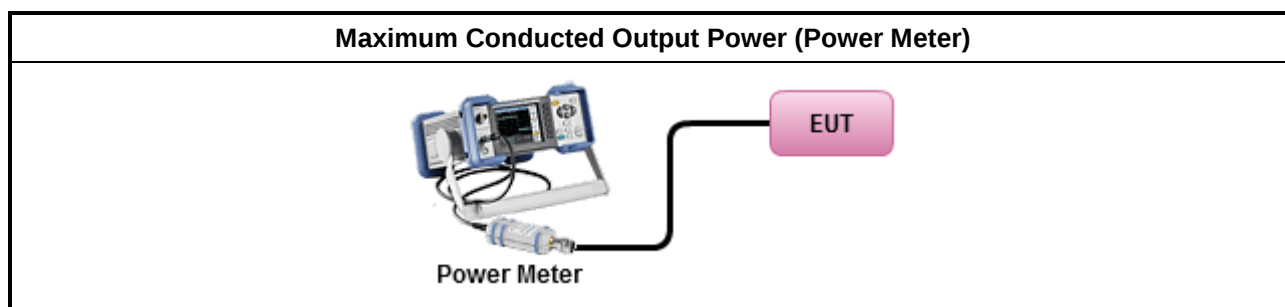
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as KDB 558074, clause 9.1.1 Option 1 (RBW ≥ EBW method).
☐	Refer as KDB 558074, clause 9.1.2 Option 2 (integrated band power method)
☐	Refer as KDB 558074, clause 9.1.3 Option 3 (peak power meter for VBW ≥ DTS BW)
Maximum Average Conducted Output Power	
Duty cycle ≥ 98%	
☐	Refer as KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
Duty cycle < 98%	
☐	Refer as KDB 558074, clause 9.2.2.5 Method AVGSA-2 Alt. (slow sweep speed)
RF power meter and average over on/off periods with duty factor or gated trigger	
☒	Refer as KDB 558074, clause 9.2.3.1 Method AVGPM (using an RF average power meter).
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit	
▪	Power Spectral Density (PSD) ≤ 8 dBm/3kHz

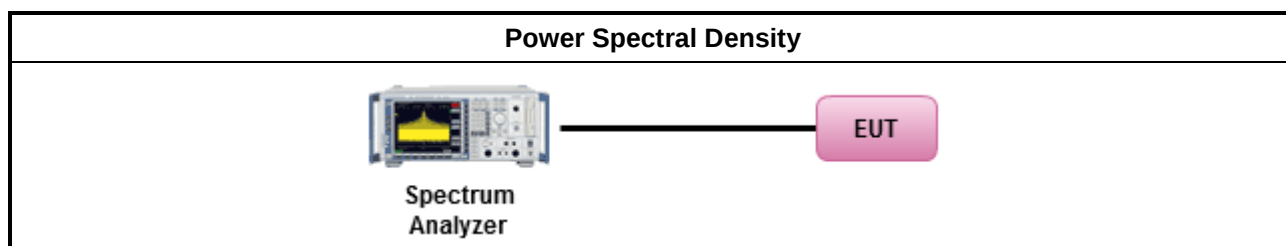
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
▪	Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
☒	Refer as KDB 558074, clause 10.2 Method PKPSD (RBW=3-100kHz; Detector=peak).
▪	For conducted measurement.
▪	If The EUT supports multiple transmit chains using options given below:
▪	Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix C

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Average output power procedure	30
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. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.	

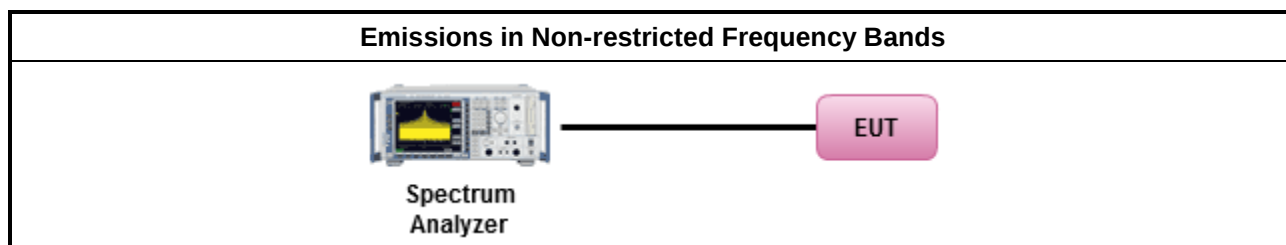
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
Refer as KDB 558074, clause 11 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix D

3.6 Emissions in Restricted Frequency Bands

3.6.1 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.

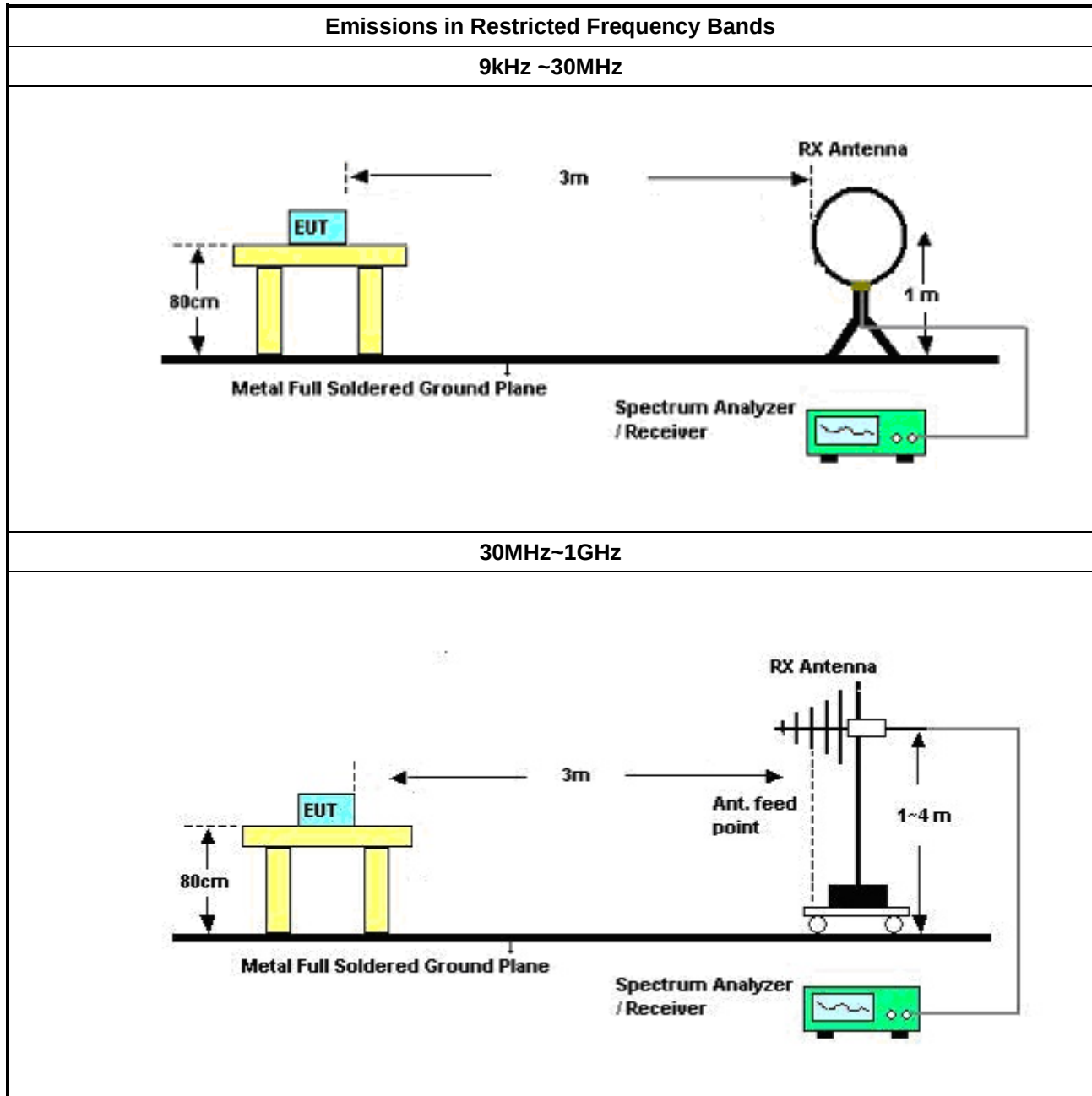
3.6.2 Measuring Instruments

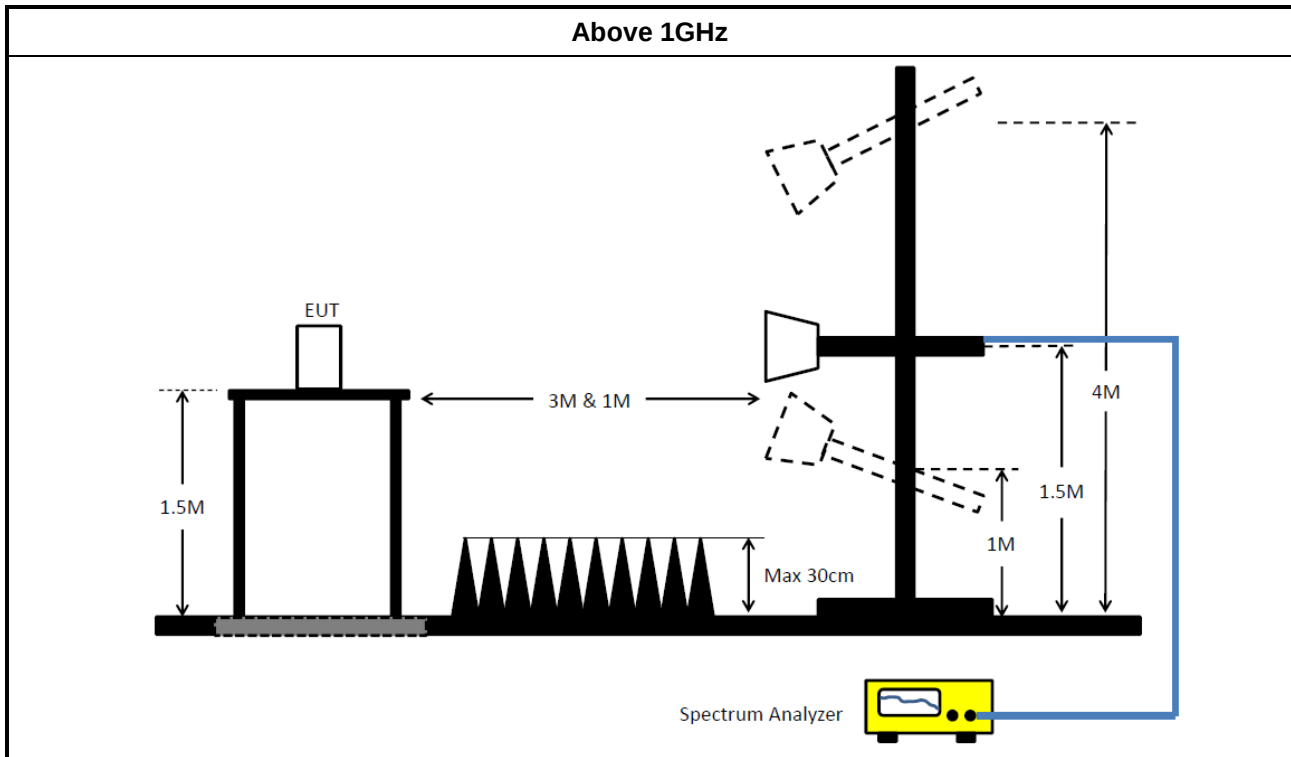
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method	
The average emission levels shall be measured in [duty cycle ≥ 98 or 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 KDB 558074, clause 12 for unwanted emissions into restricted bands.
	☒ Refer as KDB 558074, clause 12.2.5.3 (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW $\geq 1/T$.
	☒ Refer as KDB 558074, clause 12.2.4 measurement procedure peak limit.
For the transmitter band-edge emissions shall be measured using following options below:	
	Refer as KDB 558074 clause 13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	Refer as KDB 558074, clause 13.2 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	Refer as KDB 558074, clause 13.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
For conducted and cabinet radiation measurement, refer as KDB 558074, clause 12.2.2.	
	For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
	For KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

3.6.4 Test Setup





3.6.5 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument for Radiated Below 30MHz Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP40	100305	9KHz - 40GHz	12/Dec/2017	11/Dec/2018
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz-1GHz	20/Oct/2017	19/Oct/2018
Amplifier	Agilent	8447D	2944A11149	100KHz-1.3GHz	29/Jun/2017	28/Jun/2018
Loop Antenna	TESEQ	HLA 6120	31244	9KHz-30MHz	02/Mar/2018	01/Mar/2019
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	26/Jan/2018	25/Jan/2019
Receiver	R&S	ESU3	102052	9kHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018

Instrument for Radiated above 30MHz Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP40	100305	9KHz - 40GHz	12/Dec/2017	11/Dec/2018
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz-1GHz	20/Oct/2017	19/Oct/2018
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz	27/Oct/2017	26/Oct/2018
Amplifier	Agilent	8447D	2944A11149	100KHz-1.3GHz	29/Jun/2017	28/Jun/2018
Amplifier	Ketsight	8449B	3008A02602	1GHz-26.5GHz	19/Sep/2017	18/Sep/2018
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA9120D 01531	1GHz-18GHz	11/May/2017	10/May/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	18GHz-40GHz	06/Feb/2017	05/Feb/2018
Bilog Antenna	SCHAFFNER	CBL6112B	2723	30MHz-1GHz	09/Sep/2017	08/Sep/2018
Amplifier	MITEQ	JS44-18004000-33-8P	1840917	18GHz-40GHz	06/Feb/2017	05/Feb/2018
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	26/Jan/2017	25/Jan/2018
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	26/Jan/2017	25/Jan/2018
Receiver	R&S	ESU3	102052	9kHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018

**Instrument for Conducted Test**

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101515	9kHz~40GHz	08/Dec/2017	07/Dec/2018
Power Sensor	Anritsu	MA2411B	1027452	300MHz ~ 40GHz	24/Feb/2017	23/Feb/2018
Power Meter	Anritsu	ML2495A	1124009	300MHz ~ 40GHz	24/Feb/2017	23/Feb/2018
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	27/Jul/2017	26/Jul/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY677/3	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY678/3	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10717/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-LE(1Mbps)	736.25k	1.078M	1M08F1D	703.75k	1.056M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

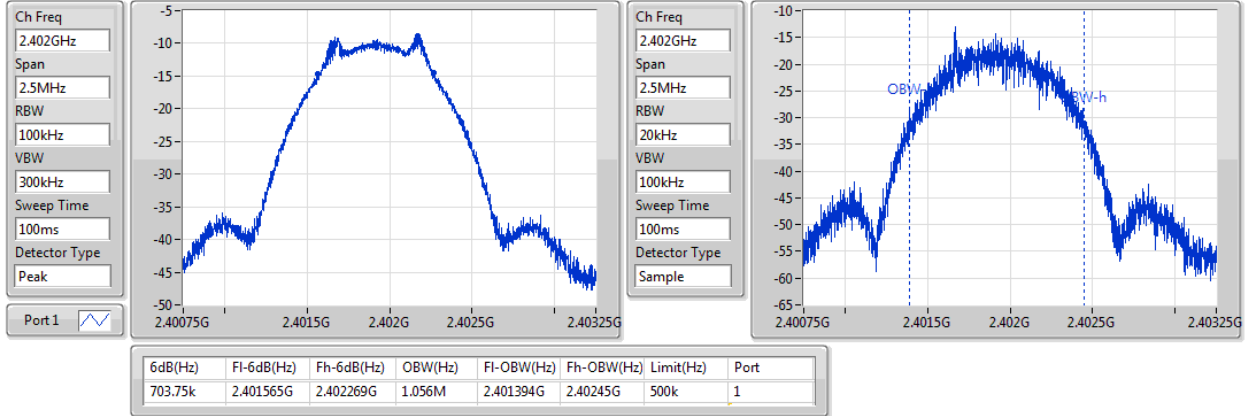
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	500k	703.75k	1.056M
2440MHz_TnomVnom	Pass	500k	707.5k	1.066M
2480MHz_TnomVnom	Pass	500k	736.25k	1.078M

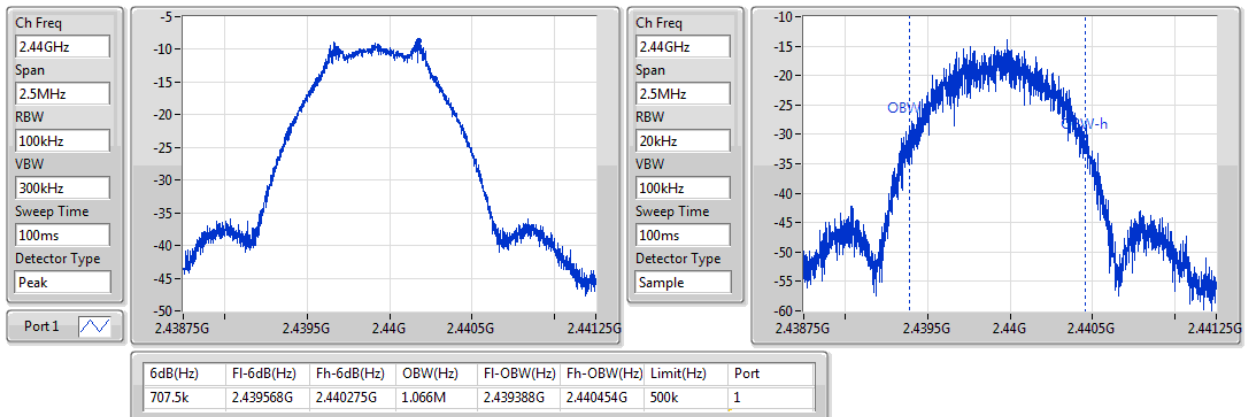
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

BT-LE(1Mbps)
EBW
2402MHz

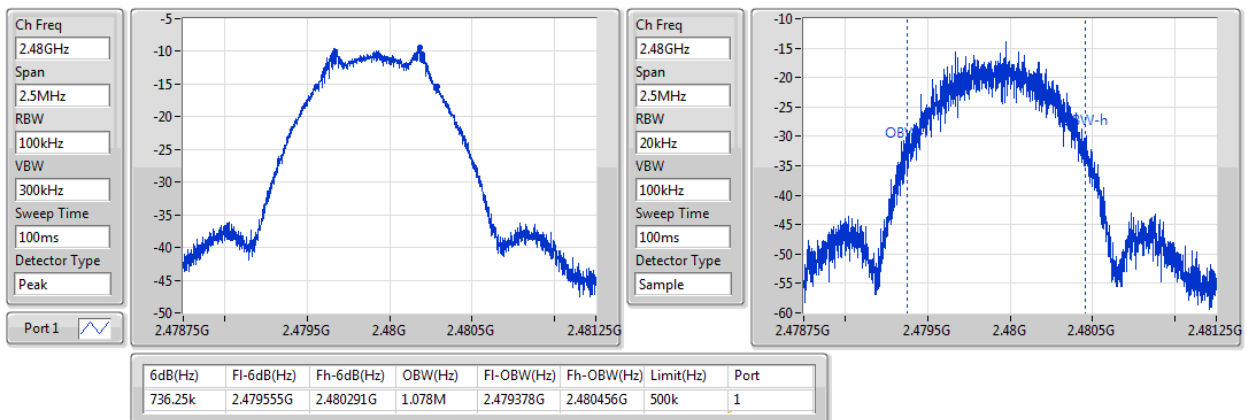
26/01/2018


BT-LE(1Mbps)
EBW
2440MHz

26/01/2018


BT-LE(1Mbps)
EBW
2480MHz

26/01/2018



Summary

Mode	Power	Power
	(dBm)	(W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	-18.67	0.00001

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	-0.10	-18.90	30.00
2440MHz_TnomVnom	Pass	-0.10	-18.67	30.00
2480MHz_TnomVnom	Pass	-0.10	-19.35	30.00

**Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-21.86

RBW=3kHz.

Result

Mode	Result	Gain (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	-0.10	-22.19	8.00
2440MHz_TnomVnom	Pass	-0.10	-21.86	8.00
2480MHz_TnomVnom	Pass	-0.10	-22.69	8.00

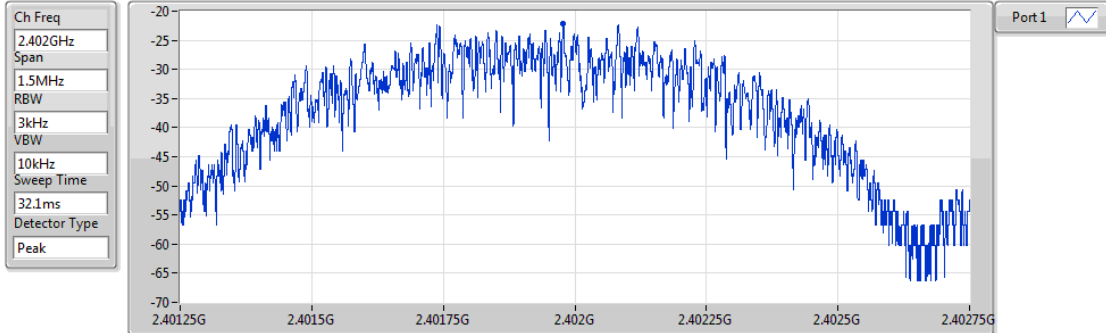
RBW=3kHz.

BT-LE(1Mbps)

2402MHz

PSD

26/01/2018

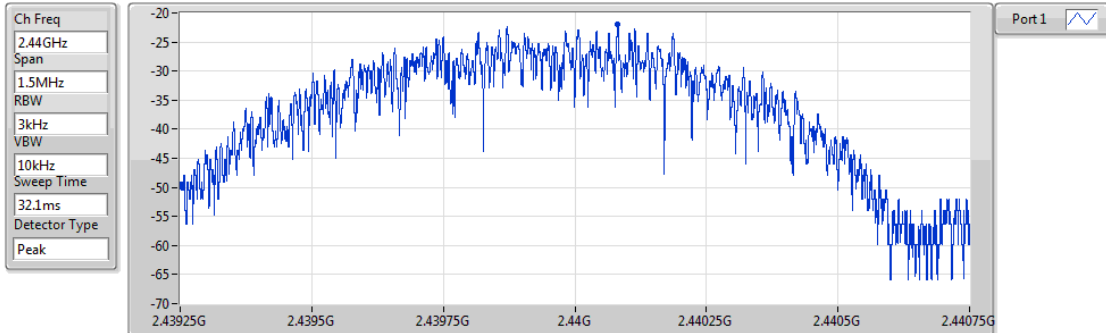


BT-LE(1Mbps)

2440MHz

PSD

26/01/2018

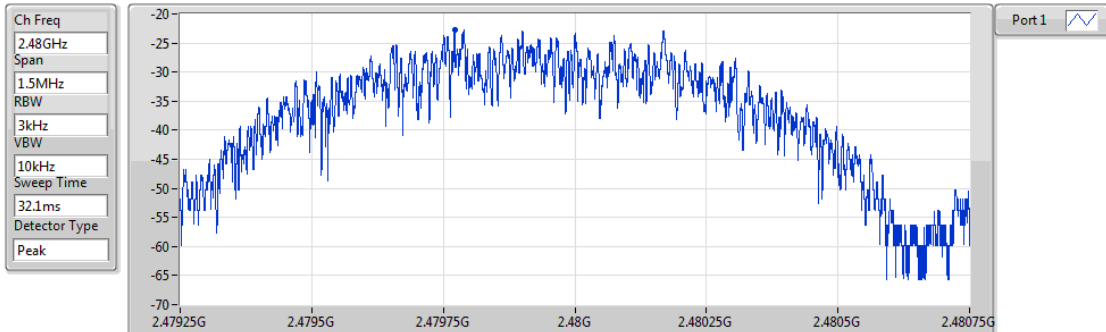


BT-LE(1Mbps)

2480MHz

PSD

26/01/2018



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-LE(1Mbps)	Pass	2.440247G	-19.09	-49.09	2.39208G	-59.04	2.39854G	-59.09	2.48376G	-58.12	17.61243G	-49.33	1

Result

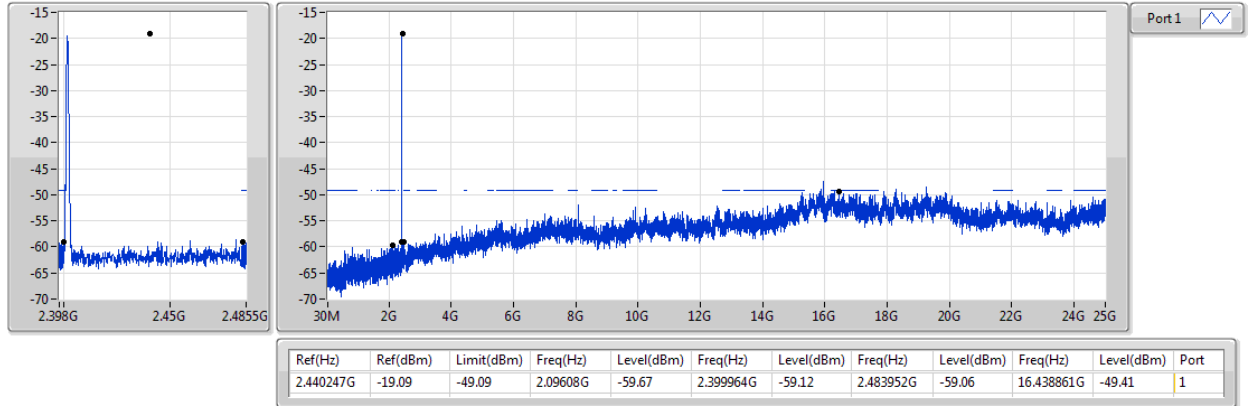
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.440247G	-19.09	-49.09	2.09608G	-59.67	2.399964G	-59.12	2.483952G	-59.06	16.438861G	-49.41	1
2440MHz_TnomVnom	Pass	2.440247G	-19.09	-49.09	2.39208G	-59.04	2.39854G	-59.09	2.48376G	-58.12	17.61243G	-49.33	1
2480MHz_TnomVnom	Pass	2.440247G	-19.09	-49.09	2.142256G	-60.08	2.399348G	-59.30	2.48466G	-59.18	16.255931G	-49.45	1

BT-LE(1Mbps)

CSE NdB

2402MHz

26/01/2018

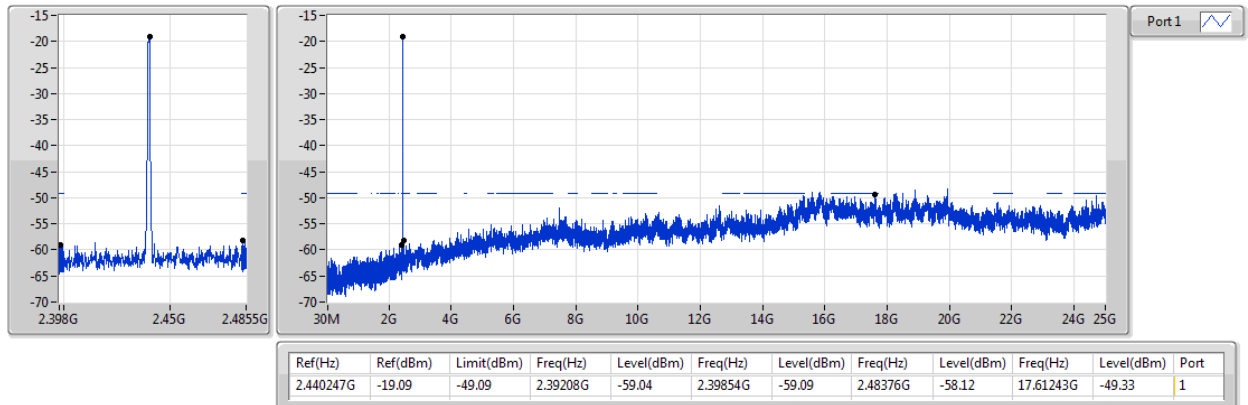


BT-LE(1Mbps)

CSE NdB

2440MHz

26/01/2018

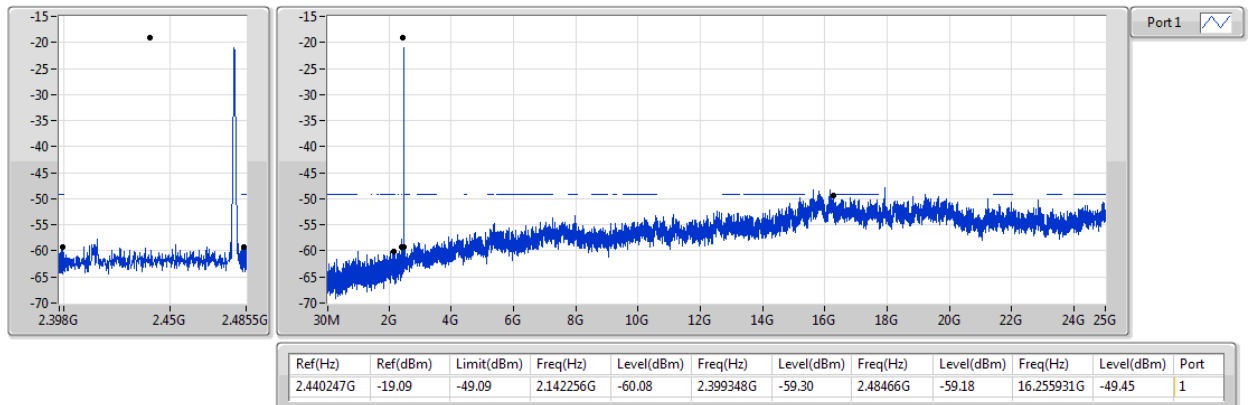


BT-LE(1Mbps)

CSE NdB

2480MHz

26/01/2018





RSE TX below 1GHz Result

Appendix E.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-LE(1Mbps)	Pass	PK	730.34M	30.42	46.00	-15.58	0.65	3	Vertical	0	1.00	-

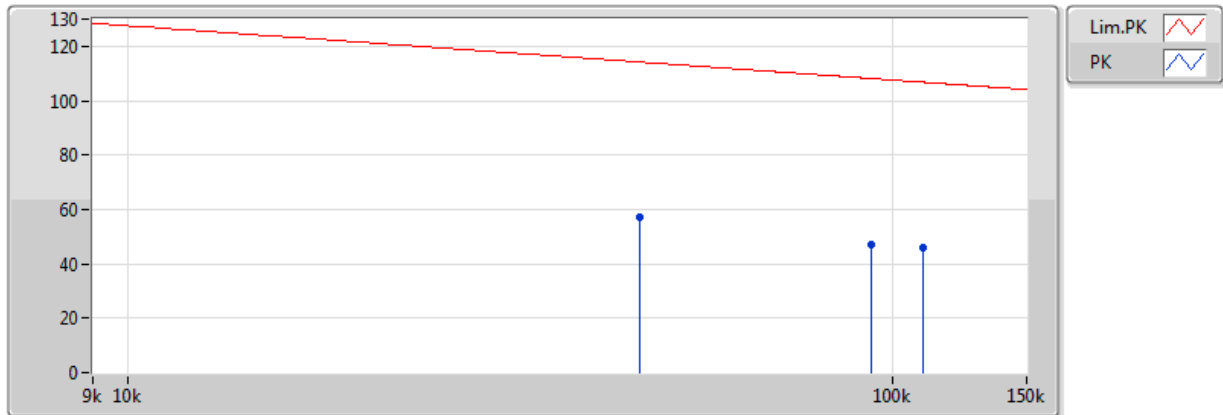
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	PK	46.788k	57.19	114.19	-57.00	21.30	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	93.882k	46.96	108.13	-61.17	20.83	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	109.956k	46.07	106.77	-60.70	20.77	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	806.7k	36.86	69.48	-32.62	20.78	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	3.8514M	35.45	69.50	-34.05	20.94	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	8.1498M	38.65	69.50	-30.85	21.74	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	70.74M	18.75	40.00	-21.25	-15.04	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	99.84M	19.65	43.50	-23.85	-10.40	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	284.14M	19.41	46.00	-26.59	-6.66	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	613.94M	27.05	46.00	-18.95	-0.68	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	747.8M	27.31	46.00	-18.69	0.96	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	846.74M	30.26	46.00	-15.74	2.43	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	70.74M	22.14	40.00	-17.86	-15.04	3	Vertical	0	1.00	-
2440MHz	Pass	PK	99.84M	21.92	43.50	-21.58	-10.40	3	Vertical	0	1.00	-
2440MHz	Pass	PK	167.74M	23.16	43.50	-20.34	-10.66	3	Vertical	0	1.00	-
2440MHz	Pass	PK	613.94M	28.26	46.00	-17.74	-0.68	3	Vertical	0	1.00	-
2440MHz	Pass	PK	730.34M	30.42	46.00	-15.58	0.65	3	Vertical	0	1.00	-
2440MHz	Pass	PK	844.8M	30.36	46.00	-15.64	2.42	3	Vertical	0	1.00	-

BT-LE(1Mbps)

2440MHz_Battery

16/03/2018

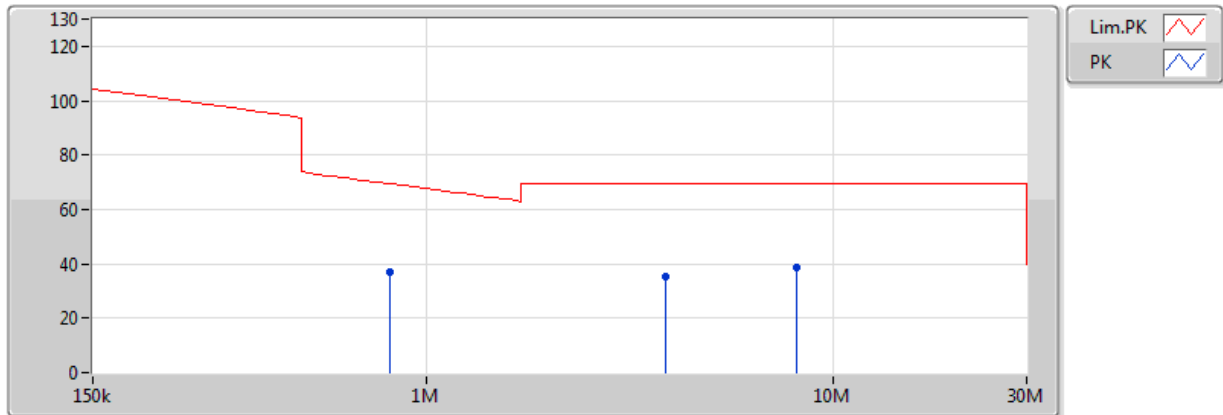


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	46.788k	57.19	114.19	-57.00	21.30	3	Horizontal	360	1.00	-	35.89	21.23	0.07	-
PK	93.882k	46.96	108.13	-61.17	20.83	3	Horizontal	360	1.00	-	26.13	20.75	0.08	-
PK	109.956k	46.07	106.77	-60.70	20.77	3	Horizontal	360	1.00	-	25.30	20.69	0.08	-

BT-LE(1Mbps)

2440MHz_Battery

16/03/2018

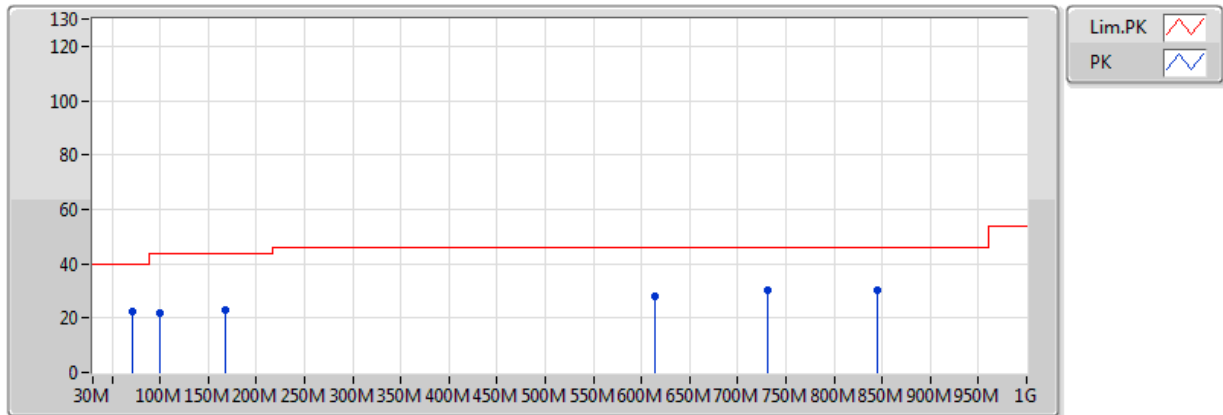


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	806.7k	36.86	69.48	-32.62	20.78	3	Horizontal	0	1.00	-	16.08	20.51	0.28	-
PK	3.8514M	35.45	69.50	-34.05	20.94	3	Horizontal	0	1.00	-	14.51	20.53	0.41	-
PK	8.1498M	38.65	69.50	-30.85	21.74	3	Horizontal	0	1.00	-	16.91	21.20	0.53	-

BT-LE(1Mbps)

2440MHz_Battery

16/03/2018

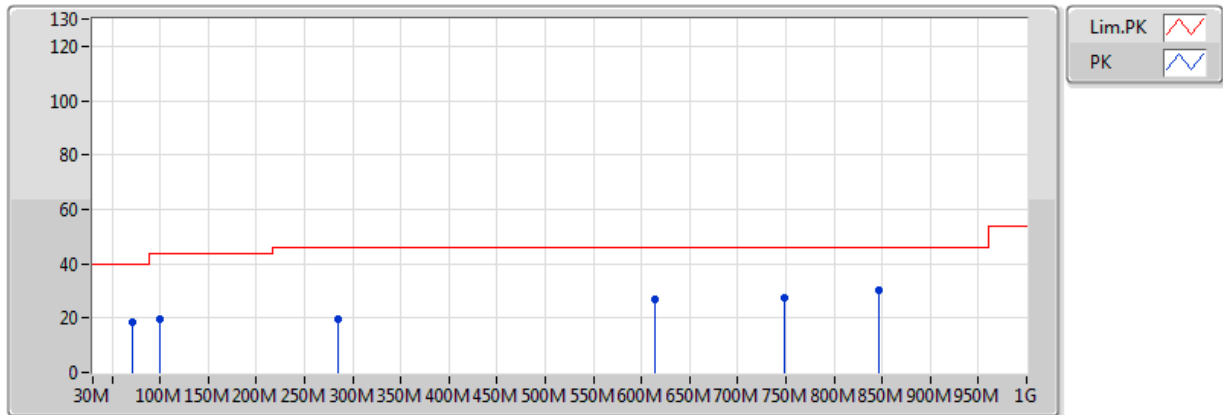


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	70.74M	22.14	40.00	-17.86	-15.04	3	Vertical	0	1.00	-	37.18	11.51	1.12	27.66
PK	99.84M	21.92	43.50	-21.58	-10.40	3	Vertical	0	1.00	-	32.32	15.97	1.44	27.81
PK	167.74M	23.16	43.50	-20.34	-10.66	3	Vertical	0	1.00	-	33.82	14.97	1.94	27.56
PK	730.34M	30.42	46.00	-15.58	0.65	3	Vertical	0	1.00	-	29.77	24.79	4.14	28.29
PK	844.8M	30.36	46.00	-15.64	2.42	3	Vertical	0	1.00	-	27.94	25.62	4.68	27.89
PK	613.94M	28.26	46.00	-17.74	-0.68	3	Vertical	0	1.00	-	28.94	24.16	3.69	28.53

BT-LE(1Mbps)

2440MHz_Battery

16/03/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	70.74M	18.75	40.00	-21.25	-15.04	3	Horizontal	360	1.00	-	33.79	11.51	1.12	27.66
PK	99.84M	19.65	43.50	-23.85	-10.40	3	Horizontal	360	1.00	-	30.05	15.97	1.44	27.81
PK	284.14M	19.41	46.00	-26.59	-6.66	3	Horizontal	360	1.00	-	26.07	18.15	2.42	27.24
PK	613.94M	27.05	46.00	-18.95	-0.68	3	Horizontal	360	1.00	-	27.73	24.16	3.69	28.53
PK	747.8M	27.31	46.00	-18.69	0.96	3	Horizontal	360	1.00	-	26.35	25.02	4.17	28.23
PK	846.74M	30.26	46.00	-15.74	2.43	3	Horizontal	360	1.00	-	27.83	25.61	4.70	27.88



RSE TX above 1GHz Result

Appendix E.2

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-LE(1Mbps)	Pass	AV	4.80385G	46.20	54.00	-7.80	2.04	3	Horizontal	188	1.14	-

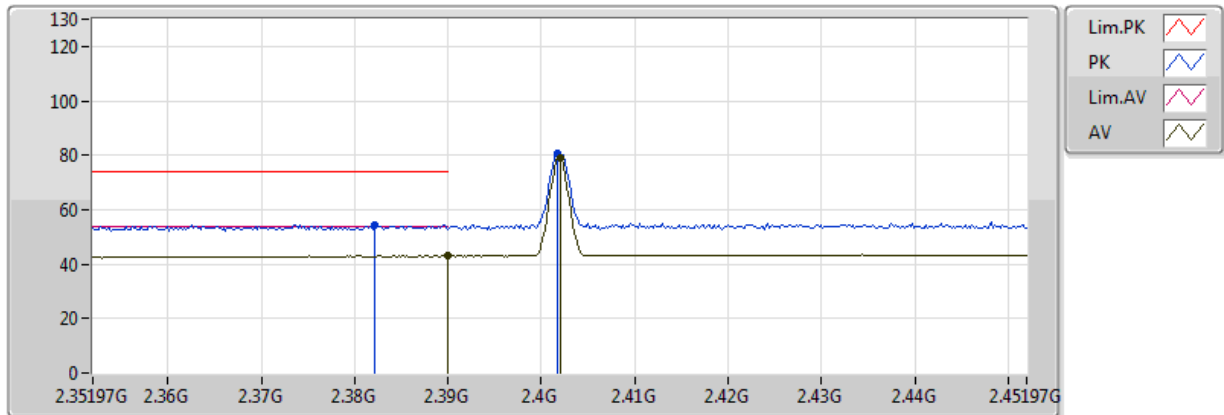
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.38597G	43.06	54.00	-10.94	30.92	3	Horizontal	56	3.19	-
2402MHz	Pass	AV	2.40197G	88.03	Inf	-Inf	30.98	3	Horizontal	56	3.19	-
2402MHz	Pass	PK	2.36917G	54.75	74.00	-19.25	30.86	3	Horizontal	56	3.19	-
2402MHz	Pass	PK	2.40157G	89.24	Inf	-Inf	30.98	3	Horizontal	56	3.19	-
2402MHz	Pass	AV	2.389998G	43.04	54.00	-10.96	30.93	3	Vertical	171	3.11	-
2402MHz	Pass	AV	2.40197G	78.98	Inf	-Inf	30.98	3	Vertical	171	3.11	-
2402MHz	Pass	PK	2.38217G	54.51	74.00	-19.49	30.91	3	Vertical	171	3.11	-
2402MHz	Pass	PK	2.40177G	80.42	Inf	-Inf	30.98	3	Vertical	171	3.11	-
2402MHz	Pass	AV	4.80385G	46.20	54.00	-7.80	2.04	3	Horizontal	188	1.14	-
2402MHz	Pass	PK	4.80336G	53.19	74.00	-20.81	2.04	3	Horizontal	188	1.14	-
2402MHz	Pass	AV	4.80386G	45.72	54.00	-8.28	2.04	3	Vertical	120	3.06	-
2402MHz	Pass	PK	4.8044G	52.63	74.00	-21.37	2.04	3	Vertical	120	3.06	-
2440MHz	Pass	AV	2.3836G	43.02	54.00	-10.98	30.91	3	Horizontal	58	3.09	-
2440MHz	Pass	AV	2.44G	85.47	Inf	-Inf	31.11	3	Horizontal	58	3.09	-
2440MHz	Pass	AV	2.4928G	43.79	54.00	-10.21	31.30	3	Horizontal	58	3.09	-
2440MHz	Pass	PK	2.3896G	54.62	74.00	-19.38	30.93	3	Horizontal	58	3.09	-
2440MHz	Pass	PK	2.4396G	86.65	Inf	-Inf	31.11	3	Horizontal	58	3.09	-
2440MHz	Pass	PK	2.4896G	55.32	74.00	-18.68	31.29	3	Horizontal	58	3.09	-
2440MHz	Pass	AV	2.3884G	43.09	54.00	-10.91	30.93	3	Vertical	290	3.10	-
2440MHz	Pass	AV	2.44G	76.99	Inf	-Inf	31.11	3	Vertical	290	3.10	-
2440MHz	Pass	AV	2.4956G	43.95	54.00	-10.05	31.31	3	Vertical	290	3.10	-
2440MHz	Pass	PK	2.3656G	54.88	74.00	-19.12	30.85	3	Vertical	290	3.10	-
2440MHz	Pass	PK	2.44G	78.32	Inf	-Inf	31.11	3	Vertical	290	3.10	-
2440MHz	Pass	PK	2.488G	55.24	74.00	-18.76	31.29	3	Vertical	290	3.10	-
2440MHz	Pass	AV	4.87987G	43.21	54.00	-10.79	2.28	3	Horizontal	201	1.35	-
2440MHz	Pass	PK	4.88023G	50.71	74.00	-23.29	2.28	3	Horizontal	201	1.35	-
2440MHz	Pass	AV	4.87984G	43.02	54.00	-10.98	2.28	3	Vertical	131	2.81	-
2440MHz	Pass	PK	4.87938G	50.73	74.00	-23.27	2.28	3	Vertical	131	2.81	-
2480MHz	Pass	AV	2.48G	83.42	Inf	-Inf	31.26	3	Horizontal	59	3.00	-
2480MHz	Pass	AV	2.4984G	43.76	54.00	-10.24	31.32	3	Horizontal	59	3.00	-
2480MHz	Pass	PK	2.4796G	84.73	Inf	-Inf	31.26	3	Horizontal	59	3.00	-
2480MHz	Pass	PK	2.4946G	55.25	74.00	-18.75	31.31	3	Horizontal	59	3.00	-
2480MHz	Pass	AV	2.48G	74.16	Inf	-Inf	31.26	3	Vertical	328	2.97	-
2480MHz	Pass	AV	2.4868G	43.90	54.00	-10.10	31.28	3	Vertical	328	2.97	-
2480MHz	Pass	PK	2.4802G	75.76	Inf	-Inf	31.26	3	Vertical	328	2.97	-
2480MHz	Pass	PK	2.4948G	56.05	74.00	-17.95	31.31	3	Vertical	328	2.97	-
2480MHz	Pass	AV	4.95987G	38.41	54.00	-15.59	2.53	3	Horizontal	173	1.06	-
2480MHz	Pass	PK	4.95922G	48.07	74.00	-25.93	2.52	3	Horizontal	173	1.06	-
2480MHz	Pass	AV	4.95989G	39.41	54.00	-14.59	2.53	3	Vertical	56	2.94	-
2480MHz	Pass	PK	4.96027G	48.80	74.00	-25.20	2.53	3	Vertical	56	2.94	-

BT-LE(1Mbps)

2402MHz_TX

17/01/2018

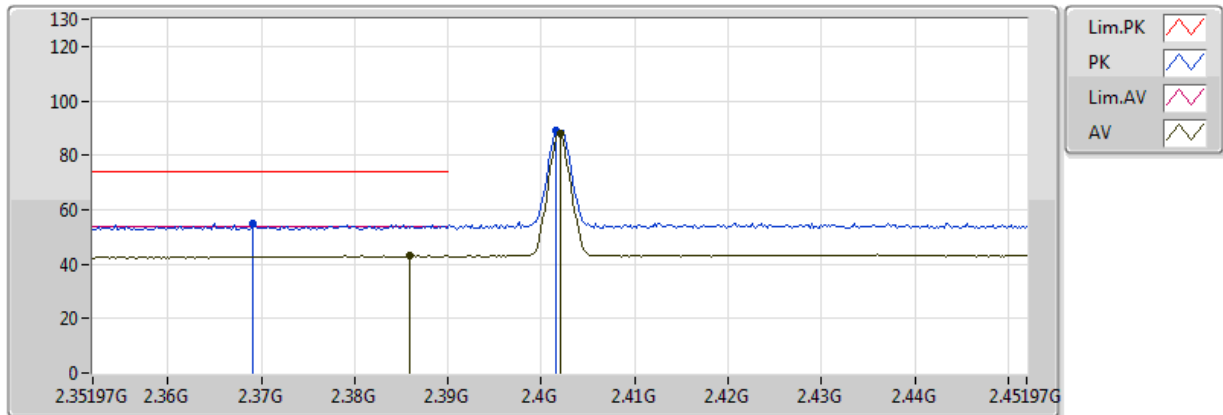


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389998G	43.04	54.00	-10.96	30.93	3	Vertical	171	3.11	-	12.11	27.31	3.62	-
AV	2.40197G	78.98	Inf	-Inf	30.98	3	Vertical	171	3.11	-	48.01	27.35	3.63	-
PK	2.38217G	54.51	74.00	-19.49	30.91	3	Vertical	171	3.11	-	23.60	27.29	3.61	-
PK	2.40177G	80.42	Inf	-Inf	30.98	3	Vertical	171	3.11	-	49.45	27.34	3.63	-

BT-LE(1Mbps)

2402MHz_TX

17/01/2018

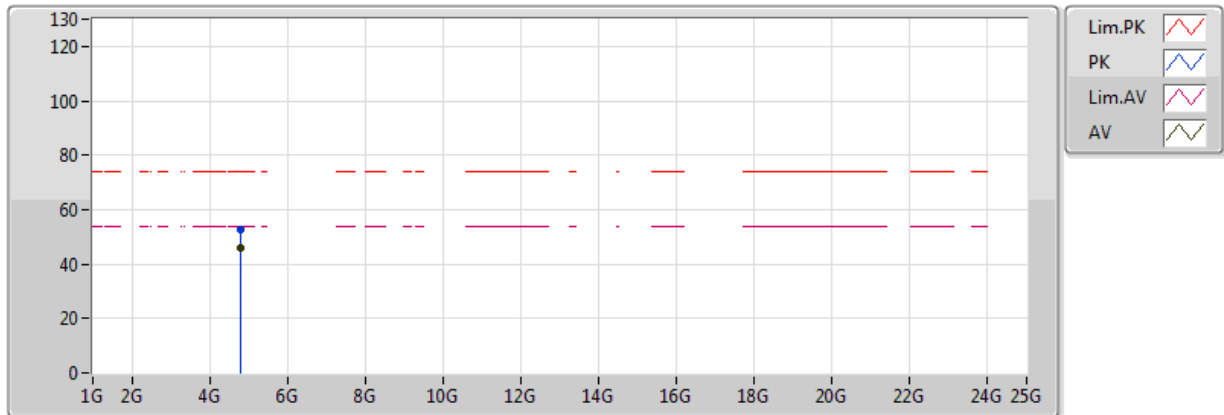


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.38597G	43.06	54.00	-10.94	30.92	3	Horizontal	56	3.19	-	12.14	27.30	3.62	-
AV	2.40197G	88.03	Inf	-Inf	30.98	3	Horizontal	56	3.19	-	57.05	27.35	3.63	-
PK	2.36917G	54.75	74.00	-19.25	30.86	3	Horizontal	56	3.19	-	23.89	27.26	3.60	-
PK	2.40157G	89.24	Inf	-Inf	30.98	3	Horizontal	56	3.19	-	58.26	27.34	3.63	-

BT-LE(1Mbps)

2402MHz_TX

17/01/2018

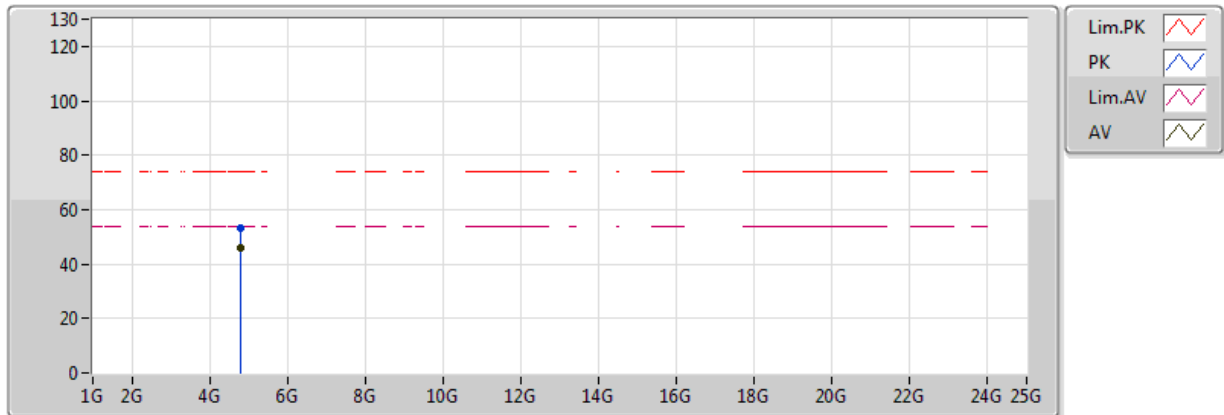


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80386G	45.72	54.00	-8.28	2.04	3	Vertical	120	3.06	-	43.68	31.25	5.38	34.59
PK	4.8044G	52.63	74.00	-21.37	2.04	3	Vertical	120	3.06	-	50.59	31.25	5.38	34.59

BT-LE(1Mbps)

2402MHz_TX

17/01/2018

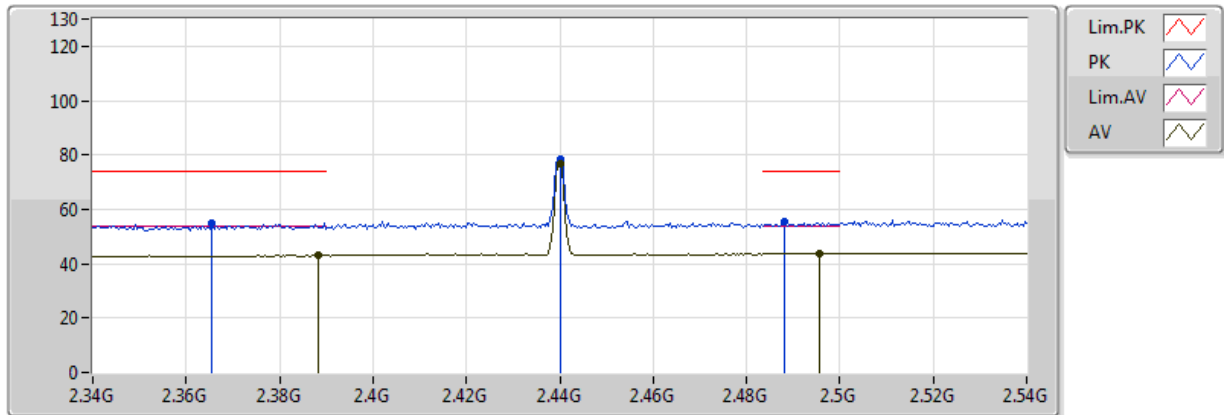


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80385G	46.20	54.00	-7.80	2.04	3	Horizontal	188	1.14	-	44.15	31.25	5.38	34.59
PK	4.80336G	53.19	74.00	-20.81	2.04	3	Horizontal	188	1.14	-	51.15	31.25	5.38	34.59

BT-LE(1Mbps)

2440MHz_TX

17/01/2018

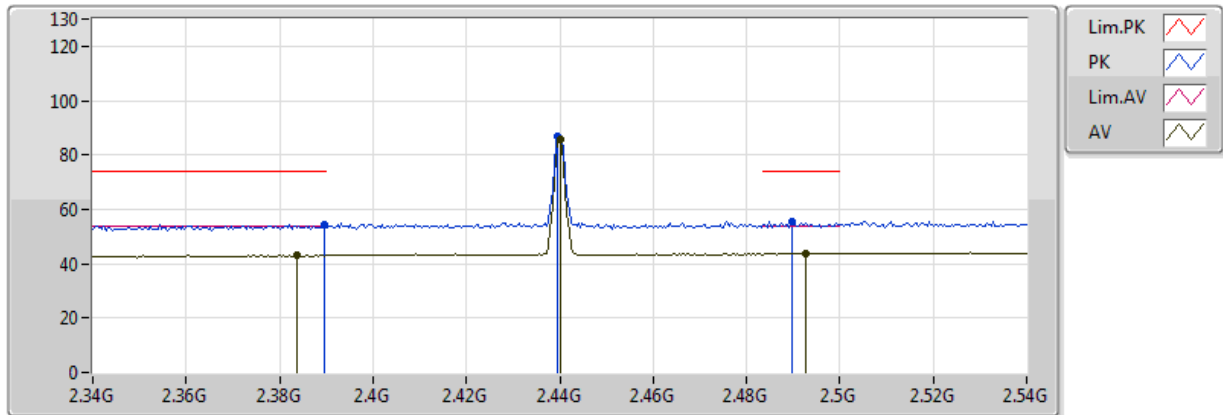


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3884G	43.09	54.00	-10.91	30.93	3	Vertical	290	3.10	-	12.16	27.31	3.62	-
AV	2.44G	76.99	Inf	-Inf	31.11	3	Vertical	290	3.10	-	45.87	27.44	3.67	-
AV	2.4956G	43.95	54.00	-10.05	31.31	3	Vertical	290	3.10	-	12.63	27.59	3.73	-
PK	2.3656G	54.88	74.00	-19.12	30.85	3	Vertical	290	3.10	-	24.03	27.25	3.60	-
PK	2.44G	78.32	Inf	-Inf	31.11	3	Vertical	290	3.10	-	47.21	27.44	3.67	-
PK	2.488G	55.24	74.00	-18.76	31.29	3	Vertical	290	3.10	-	23.96	27.57	3.72	-

BT-LE(1Mbps)

2440MHz_TX

17/01/2018

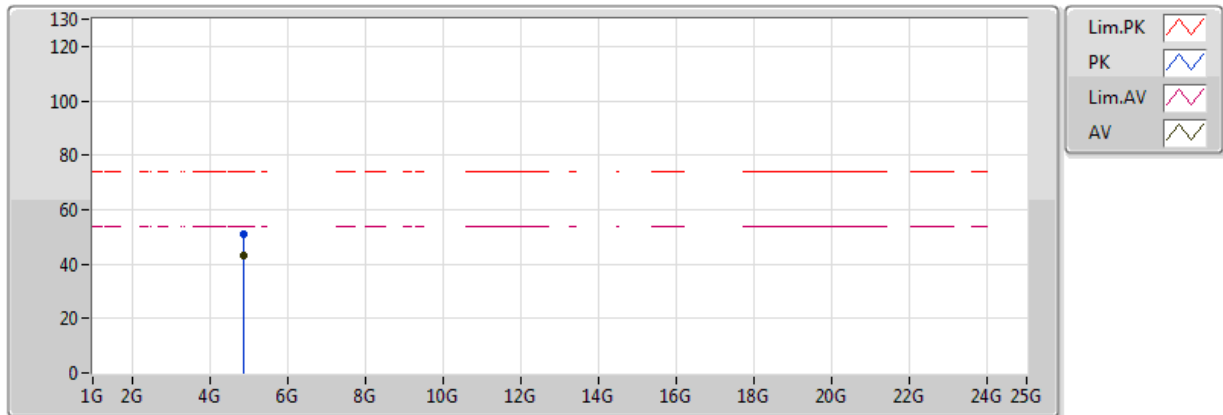


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3836G	43.02	54.00	-10.98	30.91	3	Horizontal	58	3.09	-	12.11	27.30	3.62	-
AV	2.44G	85.47	Inf	-Inf	31.11	3	Horizontal	58	3.09	-	54.35	27.44	3.67	-
AV	2.4928G	43.79	54.00	-10.21	31.30	3	Horizontal	58	3.09	-	12.49	27.58	3.72	-
PK	2.3896G	54.62	74.00	-19.38	30.93	3	Horizontal	58	3.09	-	23.68	27.31	3.62	-
PK	2.4396G	86.65	Inf	-Inf	31.11	3	Horizontal	58	3.09	-	55.53	27.44	3.67	-
PK	2.4896G	55.32	74.00	-18.68	31.29	3	Horizontal	58	3.09	-	24.03	27.57	3.72	-

BT-LE(1Mbps)

2440MHz_TX

17/01/2018

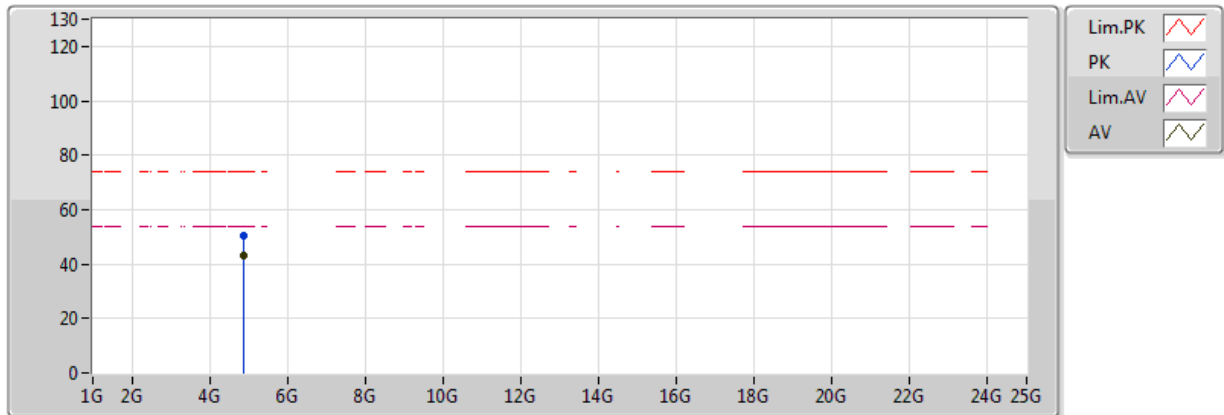


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87984G	43.02	54.00	-10.98	2.28	3	Vertical	131	2.81	-	40.74	31.38	5.47	34.57
PK	4.87938G	50.73	74.00	-23.27	2.28	3	Vertical	131	2.81	-	48.46	31.38	5.47	34.57

BT-LE(1Mbps)

2440MHz_TX

17/01/2018

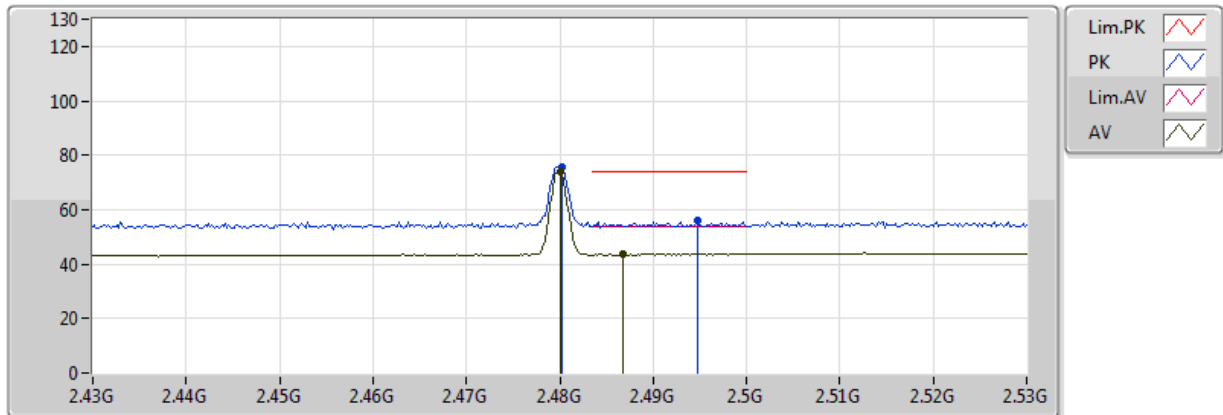


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87987G	43.21	54.00	-10.79	2.28	3	Horizontal	201	1.35	-	40.93	31.38	5.47	34.57
PK	4.88023G	50.71	74.00	-23.29	2.28	3	Horizontal	201	1.35	-	48.43	31.38	5.47	34.57

BT-LE(1Mbps)

2480MHz_TX

17/01/2018

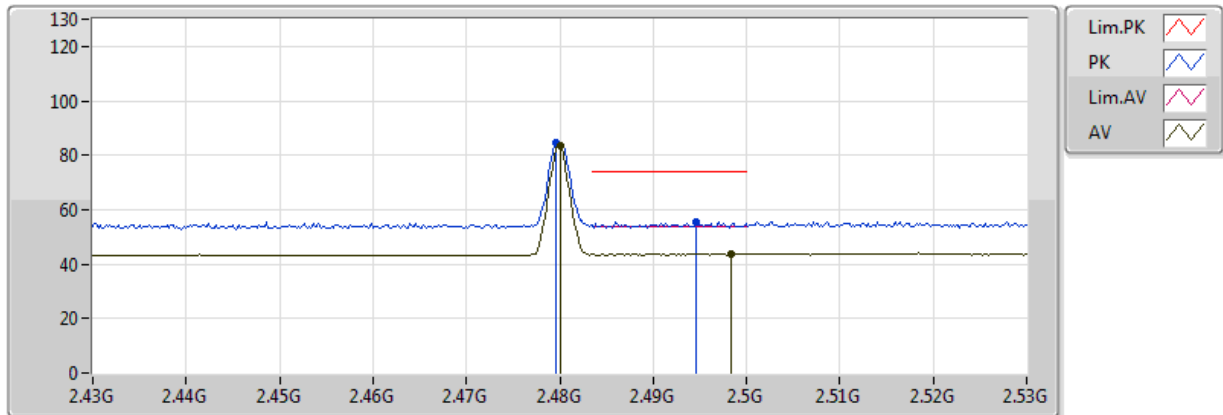


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	74.16	Inf	-Inf	31.26	3	Vertical	328	2.97	-	42.90	27.55	3.71	-
AV	2.4868G	43.90	54.00	-10.10	31.28	3	Vertical	328	2.97	-	12.62	27.57	3.72	-
PK	2.4802G	75.76	Inf	-Inf	31.26	3	Vertical	328	2.97	-	44.50	27.55	3.71	-
PK	2.4948G	56.05	74.00	-17.95	31.31	3	Vertical	328	2.97	-	24.74	27.59	3.72	-

BT-LE(1Mbps)

2480MHz_TX

17/01/2018

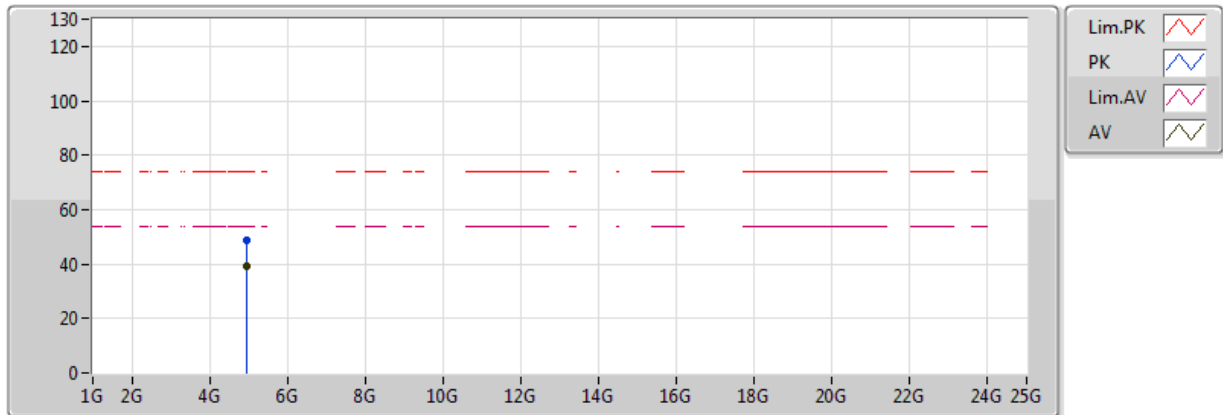


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	83.42	Inf	-Inf	31.26	3	Horizontal	59	3.00	-	52.16	27.55	3.71	-
AV	2.4984G	43.76	54.00	-10.24	31.32	3	Horizontal	59	3.00	-	12.44	27.60	3.73	-
PK	2.4796G	84.73	Inf	-Inf	31.26	3	Horizontal	59	3.00	-	53.48	27.55	3.71	-
PK	2.4946G	55.25	74.00	-18.75	31.31	3	Horizontal	59	3.00	-	23.93	27.59	3.72	-

BT-LE(1Mbps)

2480MHz_TX

17/01/2018

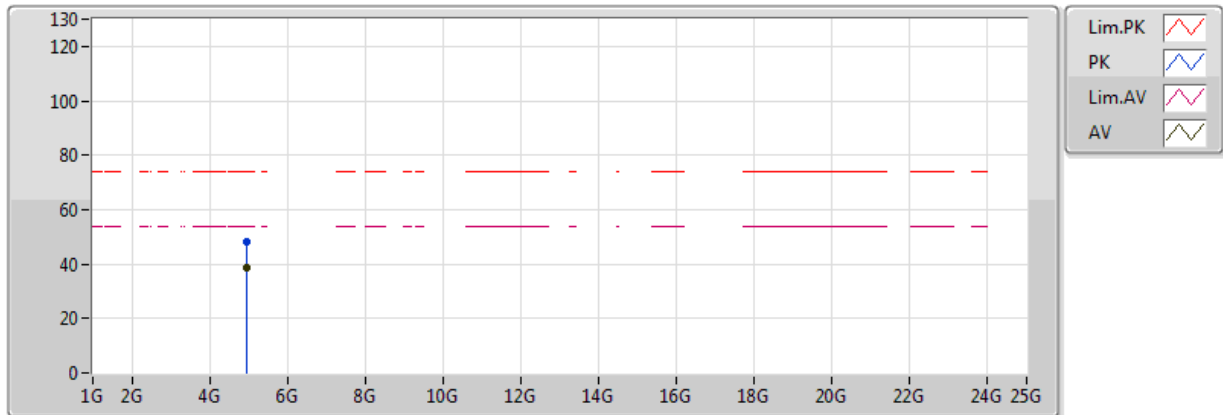


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.95989G	39.41	54.00	-14.59	2.53	3	Vertical	56	2.94	-	36.89	31.53	5.56	34.56
PK	4.96027G	48.80	74.00	-25.20	2.53	3	Vertical	56	2.94	-	46.27	31.53	5.56	34.56

BT-LE(1Mbps)

2480MHz_TX

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Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.95987G	38.41	54.00	-15.59	2.53	3	Horizontal	173	1.06	-	35.88	31.53	5.56	34.56
PK	4.95922G	48.07	74.00	-25.93	2.52	3	Horizontal	173	1.06	-	45.55	31.53	5.56	34.56