



FCC Test Report

FCC ID : ACQ-IPC4100
Equipment : IP Client WiFi Set Top Box
Brand Name : ARRIS
Model Name : IPC4100
Applicant : ARRIS
101 Tournament Drive, Horsham PA 19044, USA
Manufacturer : ARRIS
101 Tournament Drive, Horsham PA 19044, USA
Standard : 47 CFR FCC Part 15.247

The product was received on May 22, 2018, and testing was started from May 22, 2018 and completed on Jul. 17, 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

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History of this test report

[illegible]

Summary of Test Result

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

Reviewed by: Sam Chen

Report Producer: Jenny Yang

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	Bluetooth Version	Ch. Frequency (MHz)	Channel Number
2400-2483.5	BR / EDR	2402-2480	0-78 [79]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	BT-BR(1Mbps)	1	1TX
2.4-2.4835GHz	BT-EDR(2Mbps)	1	1TX
2.4-2.4835GHz	BT-EDR(3Mbps)	1	1TX

Note:

- ♦ Bluetooth BR uses a GFSK (1Mbps).
- ♦ Bluetooth EDR uses a combination of $\pi/4$ -DQPSK (2Mbps) and 8DPSK (3Mbps).
- ♦ Bluetooth BR/EDR uses as a system using FHSS modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	HONGBO	5G_ANT#1	Monopole	I-PEX
2	HONGBO	5G_ANT#2	Monopole	I-PEX
3	HONGBO	5G_ANT#3	Monopole	I-PEX
4	HONGBO	5G_ANT#4	Monopole	I-PEX
5	HONGBO	BT_ANT#5	Monopole	I-PEX

Ant.	Port	Peak Gain (dBi)	
		5G	BT
1	1	5.1	-
2	2	3.75	-
3	3	4.16	-
4	4	4.82	-
5	1	-	4.43

Ant.	Correlated Gain (dBi)			
	5G			
	4T1S			
	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
1	6.3	-	-	-
2	-	6.3	-	-
3	-	-	6.6	-
4	-	-	-	6.6

Note 1: The EUT has five antennas.

For BT function:

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

Ant. 5 was declared to be tested only by customer.

For 5GHz function:

For IEEE 802.11 a mode (1TX/1RX)

Support diversity function and pre-tested on each single chain, the worst case was Ant. 1 and it was record in this test report.

For IEEE 802.11 ac mode (4TX/4RX)

Ant. 1 and Ant. 2 and Ant. 3 and Ant. 4 could transmit/receive simultaneously.

Note 2:

- ♦ The Signals support CDD and correlated, and transmits simultaneously in multiple channels in single or multiple frequency bands.
- ♦ If all antennas have the same gain, G_{ANT} :
Directional gain = $G_{ANT} + 10 \log(N_{ANT}/N_{SS})$ dBi, where N_{SS} = the number of independent spatial streams of data and G_{ANT} is the antenna gain in dBi. (This formula can also be applied when antennas have different gains if the highest antenna gain is substituted for G_{ANT} .)
- ♦ For power measurements on IEEE 802.11 devices,
Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT} ;
Array Gain = $5 \log(N_{ANT}/N_{SS})$ dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

1.1.3 EUT Information

Identify EUT			
RF Chip	BRCM97271 B0		
Operational Condition			
EUT Power Type	From AC Adapter		
EUT Function	☒ Point-to-multipoint	☐ Point-to-point	
Type of EUT			
☒	Stand-alone		
☐	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.:	...	
☐	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.:	...	
☐	Other:		

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
BT-BR(1Mbps)	0.626	2.034	391.25u	3k
BT-EDR(2Mbps)	0.785	1.051	2.89m	1k
BT-EDR(3Mbps)	0.743	1.29	2.892m	1k

1.2 Testing Applied Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ Public Notice DA 00-705
- ♦ ANSI C63.10-2013

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Daniel	23.5°C / 54%	26/Jun/2018
RF Conducted	TH06-HY	Tim	23.5°C / 65%	22/May/2018
Radiated	03CH02-HY	Jerry	24.5°C / 58%	02/Jun/2018
Radiated <9kHz to 30MHz>	03CH02-HY	Jerry	25.6°C / 58%	17/Jul/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	Dos
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Mode	Power Setting
BT-BR(1Mbps)	-
2402MHz	4
2441MHz	4
2480MHz	4
BT-EDR(2Mbps)	-
2402MHz	4
2441MHz	4
2480MHz	4
BT-EDR(3Mbps)	-
2402MHz	4
2441MHz	4
2480MHz	4

2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	CTX
1	Adapter mode

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	Bluetooth +WLAN 5GHz
Refer to Sporton Test Report No.: FA860525 for Co-location RF Exposure Evaluation.	

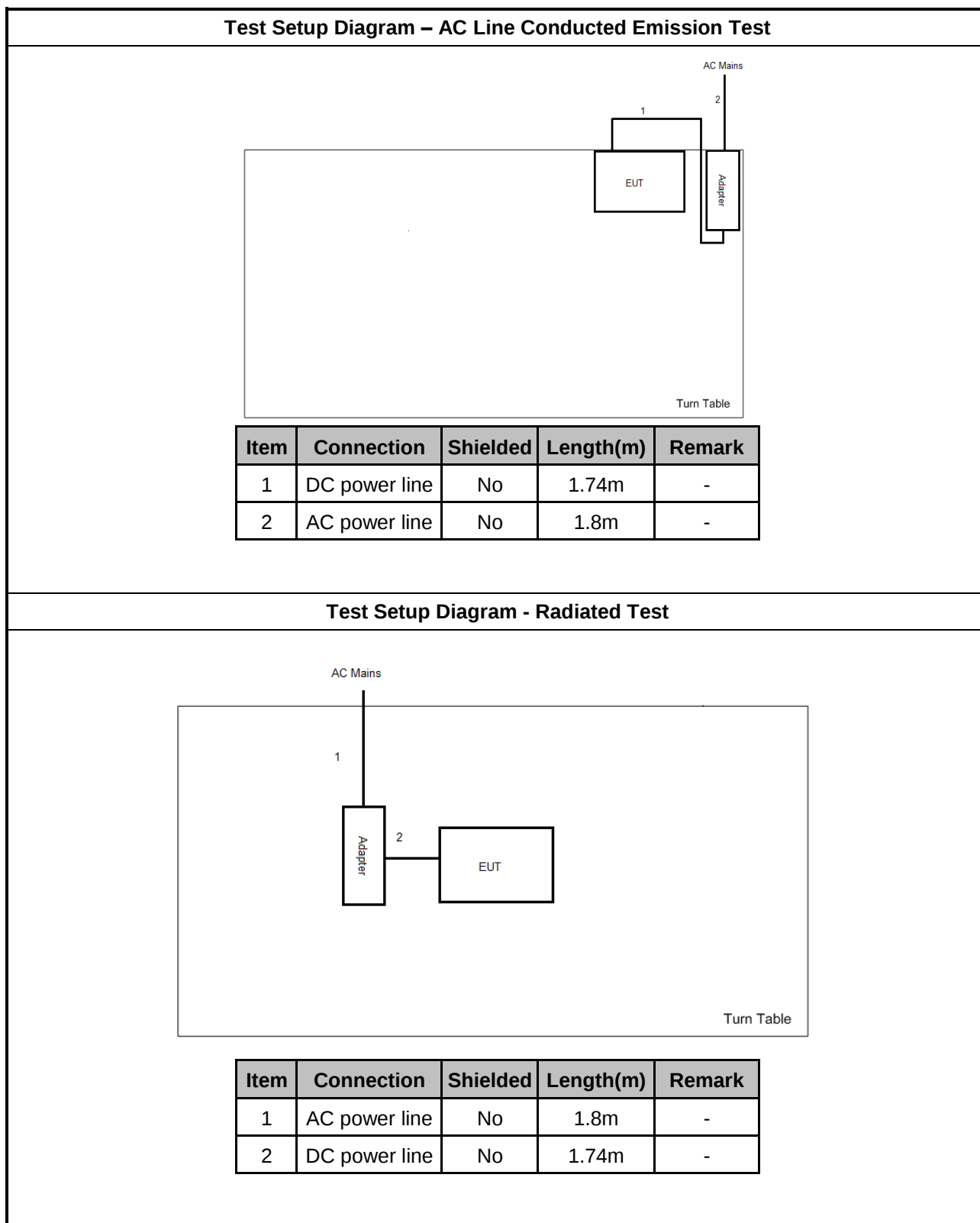
2.4 Accessories and Support Equipment

Accessories				
AC Adapter 1	Brand Name	Liteon	Model Name	PB-1180-12R1-ROHS
	Power Rating	I/P: 100 - 120Vac, 0.6A, O/P: 12Vdc, 1.5A		
	Power Cord	1.7 meter, Non-Shielded cable, w/o ferrite core		
AC Adapter 2	Brand Name	APD	Model Name	DA-18F12
	Power Rating	I/P: 100 - 120Vac, 0.6A, O/P: 12Vdc, 1.5A		
	Power Cord	1.74 meter, Non-Shielded cable, w/o ferrite core		
AC Adapter 3	Brand Name	ARRIS	Model Name	NBS18D120150M2
	Power Rating	I/P: 100 - 120Vac, 0.6A, O/P: 12Vdc, 1.5A		
	Power Cord	1.7 meter, Non-Shielded cable, w/o ferrite core		

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

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.

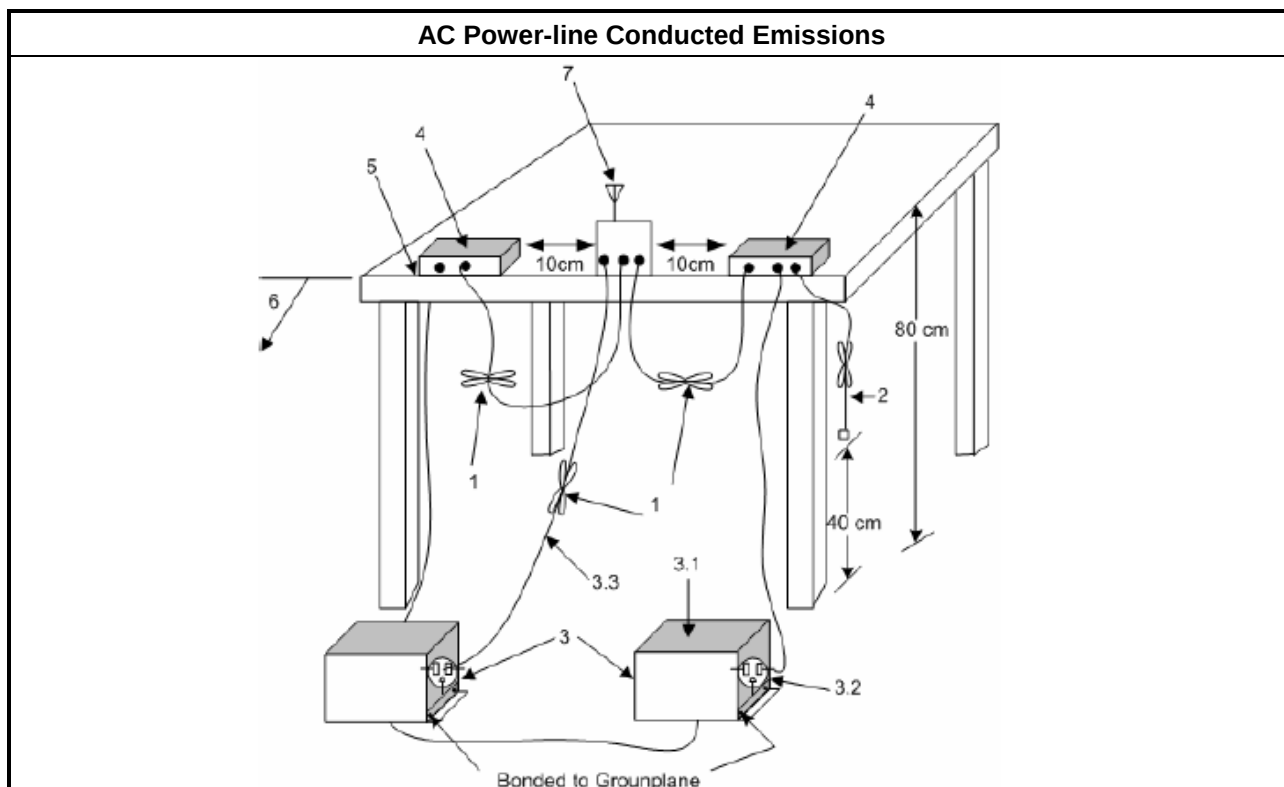
3.1.2 Measuring Instruments

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

Refer as Appendix A

3.2 20dB Bandwidth and Carrier Frequency Separation

3.2.1 20dB Bandwidth and Carrier Frequency Separation Limit

20dB Bandwidth and Carrier Frequency Separation Limit for Frequency Hopping Systems	
2400-2483.5 MHz Band:	
	$N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz).
	$75 > N \geq 15$ and $ChS \geq MAX$ (20 dB bandwidth 2/3, 25 kHz).
N: Number of Hopping Frequencies; ChS: Hopping Channel Separation	

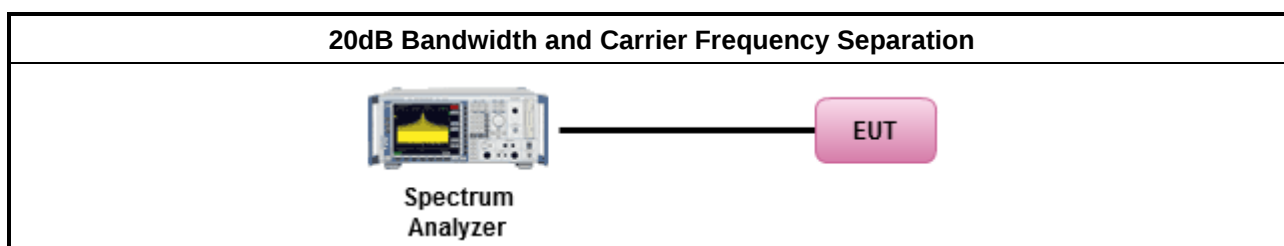
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
Refer as ANSI C63.10-2013, clause 6.9.2 for 20 dB bandwidth measurement.
Refer as ANSI C63.10-2013, clause 7.8.2 for carrier frequency separation measurement.

3.2.4 Test Setup



3.2.5 Test Result of 20dB Bandwidth

Refer as Appendix B

3.2.6 Test Result of Carrier Frequency Separation

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
2400-2483.5 MHz Band:	
	$N \geq 75$; Power 30dBm; EIRP 36dBm
	$75 > N \geq 15$; Power 21dBm; EIRP 27dBm
N: Number of Hopping Frequencies	

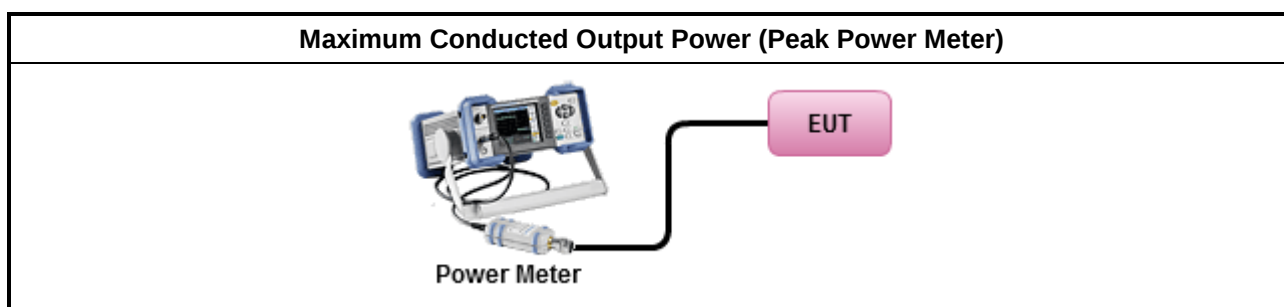
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method
Refer as ANSI C63.10-2013, clause 7.8.5 for output power measurement.

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Number of Hopping Frequencies and Hopping Bandedge

3.4.1 Number of Hopping Frequencies Limit

Number of Hopping Frequencies Limit	
2400-2483.5 MHz Band:	
	$N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz).
	$75 > N \geq 15$ and $ChS \geq MAX$ (20 dB bandwidth 2/3, 25 kHz).
N: Number of Hopping Frequencies; ChS : Hopping Channel Separation	

3.4.2 Hopping Bandedge Limit

Refer clause 3.6.1 and clause 3.7.1

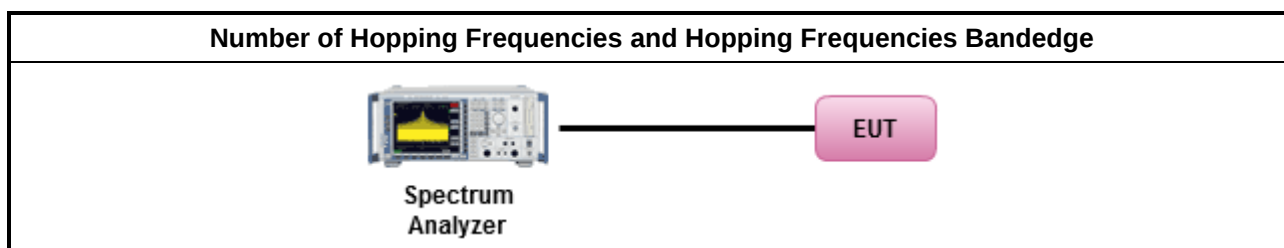
3.4.3 Measuring Instruments

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

3.4.4 Test Procedures

Test Method
Refer as ANSI C63.10-2013, clause 7.8.3 for number of hopping frequencies measurement.
Refer as ANSI C63.10-2013, clause 7.8.6 for hopping frequencies Bandedge measurement.

3.4.5 Test Setup



3.4.6 Test Result of Number of Hopping Frequencies

Refer as Appendix D

3.4.7 Test Result of Number of Hopping Frequencies Bandedge

Refer as Appendix D

3.5 Time of Occupancy (Dwell Time)

3.5.1 Time of Occupancy (Dwell Time) Limit

Time of Occupancy (Dwell Time) Limit for Frequency Hopping Systems	
2400-2483.5 MHz Band:	
	$N \geq 75$; 0.4s in $N \times 0.4$ period
	$75 > N \geq 15$; 0.4s in $N \times 0.4$ period
N: Number of Hopping Frequencies	

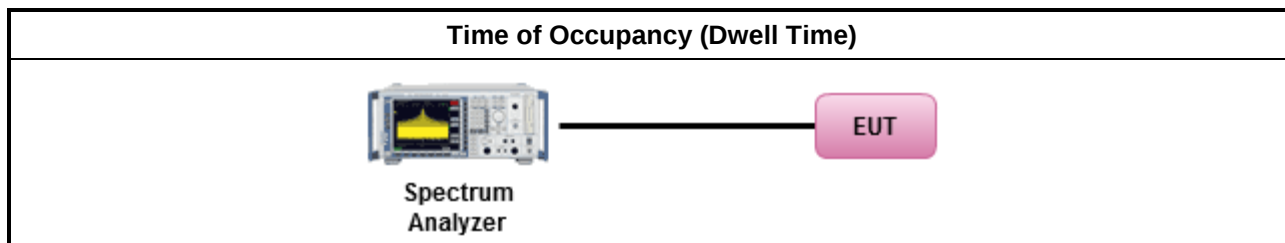
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method	
Refer as ANSI C63.10-2013, clause 7.8.4 for dwell time measurement.	
Bluetooth ACL packets can be 1, 3, or 5 time slots. Following as dwell time. Operate DH5 at maximum dwell time and maximum duty cycle.	
	The DH5 packet can cover up to 5 time slots. Operate DH5 at maximum dwell time and maximum duty cycle. A maximum length packet has duration of 5 time slots. The hopping rate is 1600 hops/second so the maximum dwell time is $5/1600$ seconds, or 3.125ms. DH5 Packet permit maximum $1600 / 79 / 6 = 3.37$ hops per second in each channel.

3.5.4 Test Setup



3.5.5 Test Result of Time of Occupancy (Dwell Time)

Refer as Appendix E

3.6 Emissions in Non-restricted Frequency Bands

3.6.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.	

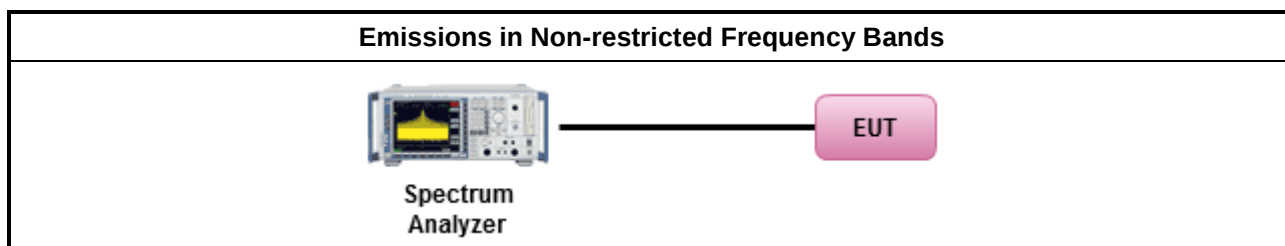
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method
Refer as ANSI C63.10-2013, clause 7.8.8 for unwanted emissions into non-restricted bands.

3.6.4 Test Setup



3.6.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix F

3.7 Emissions in Restricted Frequency Bands

3.7.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

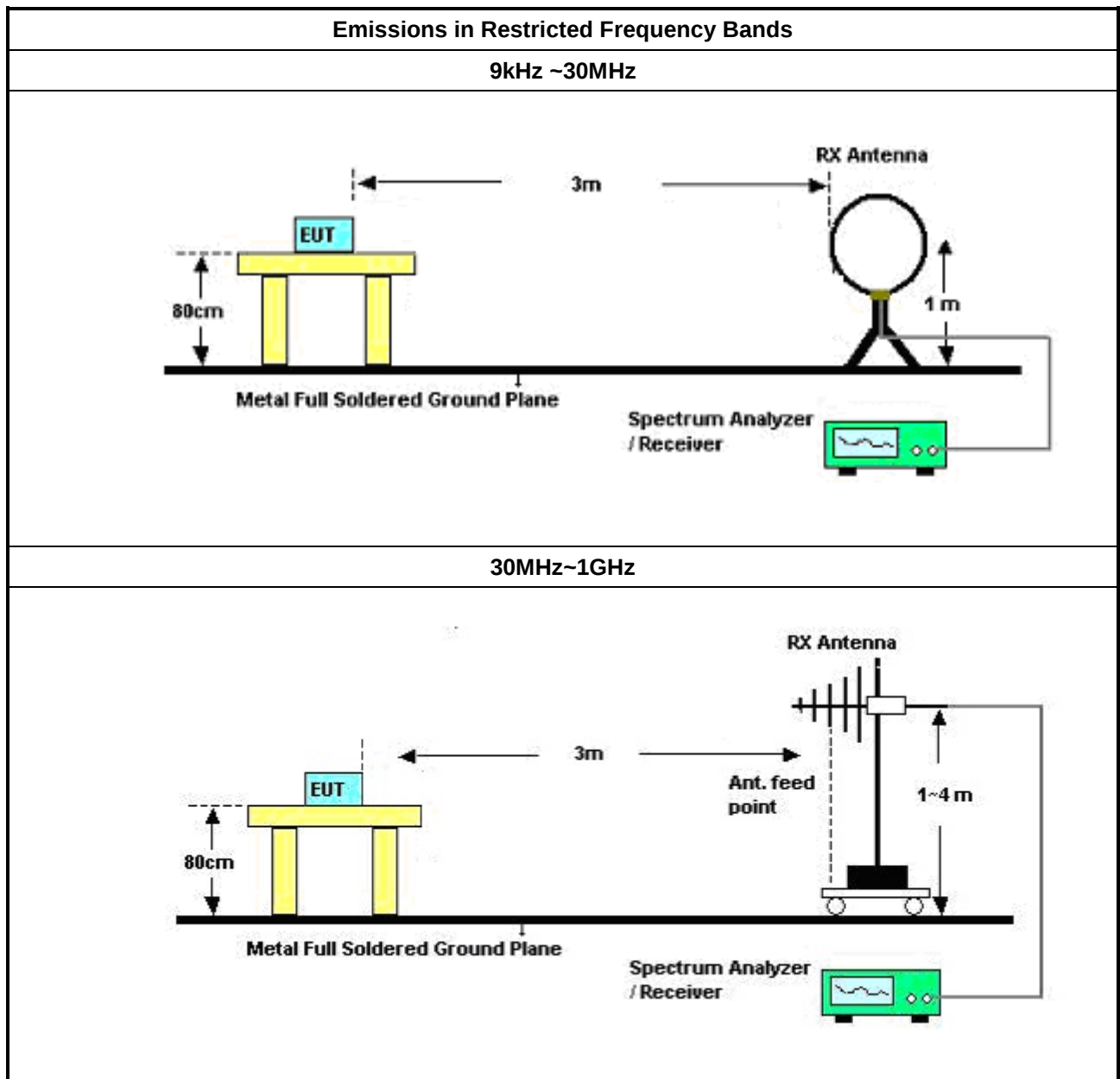
3.7.2 Measuring Instruments

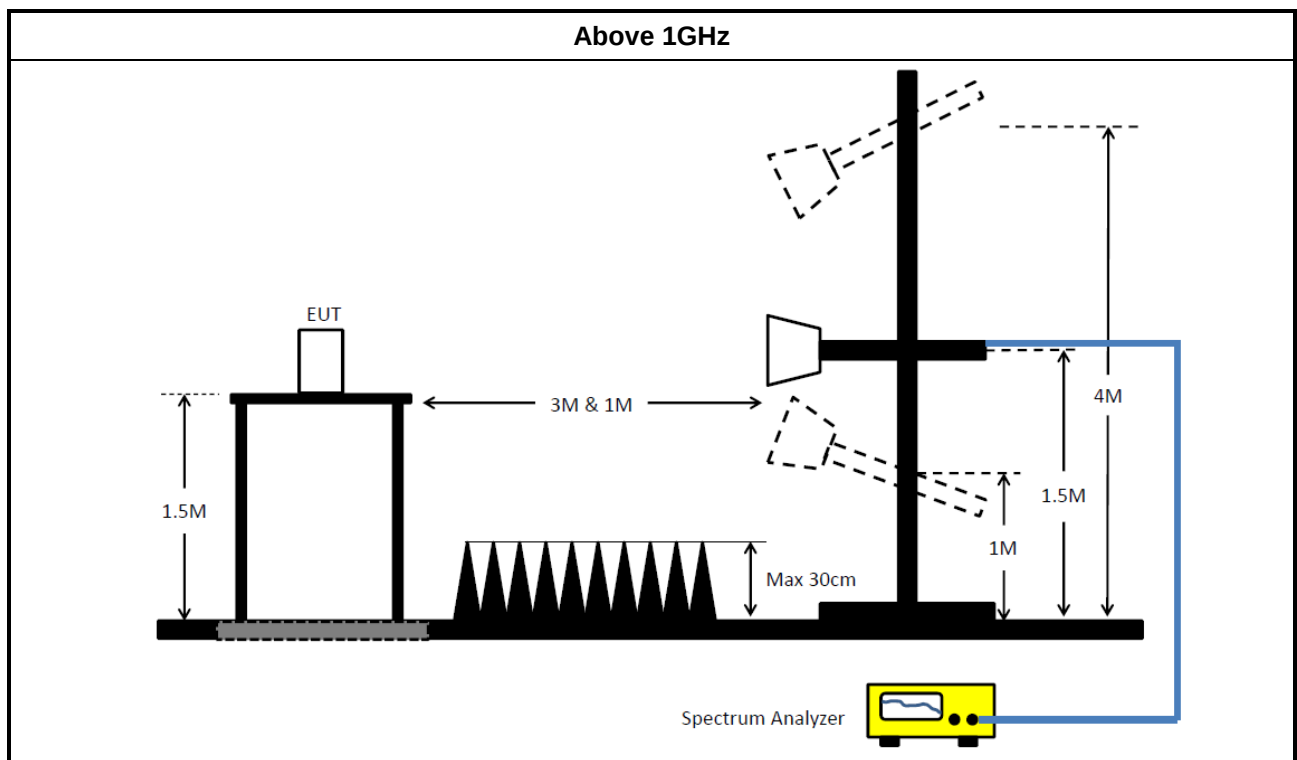
Refer a test equipment and calibration data table in this test report.

3.7.3 Test Procedures

Test Method	
▪ The average emission levels shall be measured in [hopping duty factor].	
▪ Refer as ANSI C63.10; clause 6.9.2.2 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

Refer as Appendix G

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102051	9KHz ~ 3.6GHz	03/May/2018	02/May/2019
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	17/Nov/2017	16/Nov/2018
RF Cable-CON	HUBER+ SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	06/Oct/2017	05/Oct/2018
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2017	11/Oct/2018

NCR : Non-Calibration Require

Instrument for Conducted Test

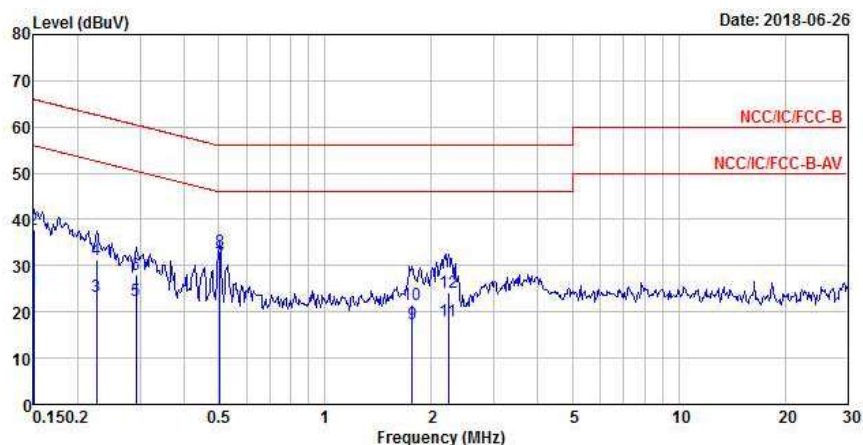
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9kHz~40GHz	29/Dec/2017	28/Dec/2018
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	27/Jul/2017	26/Jul/2018
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
RF Cable-0.2m	HUBER+ SUHNER	SUCOFLEX_104	MY10710/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.2m	HUBER+ SUHNER	SUCOFLEX_104	MY10709/4	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 1531	1GHz ~ 18GHz	18/Apr/2018	17/Apr/2019
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	29/Mar/2018	28/Mar/2019

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	Adapter mode		

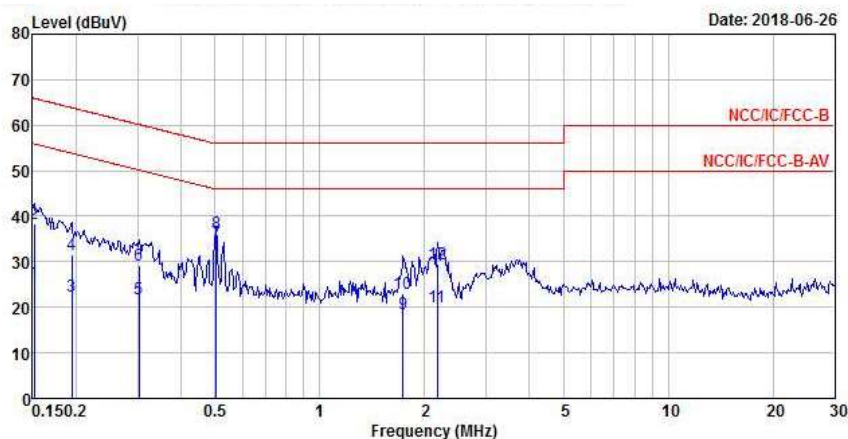


	Freq	Level	Over	Limit	Read	LISM	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	24.63	-31.37	56.00	14.96	9.63	0.04	Average
2	0.15	37.68	-28.32	66.00	28.01	9.63	0.04	QP
3	0.23	23.37	-29.24	52.61	13.73	9.62	0.02	Average
4	0.23	31.44	-31.17	62.61	21.80	9.62	0.02	QP
5	0.29	22.47	-27.99	50.46	12.81	9.61	0.05	Average
6	0.29	28.16	-32.30	60.46	18.50	9.61	0.05	QP
7 MAX	0.50	30.52	-15.48	46.00	20.84	9.61	0.07	Average
8	0.50	33.04	-22.96	56.00	23.36	9.61	0.07	QP
9	1.76	17.35	-28.65	46.00	7.72	9.63	0.00	Average
10	1.76	21.68	-34.32	56.00	12.05	9.63	0.00	QP
11	2.24	17.91	-28.09	46.00	8.27	9.63	0.01	Average
12	2.24	24.30	-31.70	56.00	14.66	9.63	0.01	QP

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	Adapter mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	25.44	-30.47	55.91	15.78	9.62	0.04	Average
2	0.15	38.39	-27.52	65.91	28.73	9.62	0.04	QP
3	0.19	22.39	-31.45	53.84	12.77	9.62	0.00	Average
4	0.19	31.72	-32.12	63.84	22.10	9.62	0.00	QP
5	0.30	21.71	-28.44	50.15	12.04	9.61	0.06	Average
6	0.30	29.32	-30.83	60.15	19.65	9.61	0.06	QP
7 MAX	0.50	34.31	-11.69	46.00	24.63	9.61	0.07	Average
8	0.50	36.35	-19.65	56.00	26.67	9.61	0.07	QP
9	1.73	18.72	-27.28	46.00	9.10	9.62	0.00	Average
10	1.73	23.01	-32.99	56.00	13.39	9.62	0.00	QP
11	2.18	19.95	-26.05	46.00	10.32	9.62	0.01	Average
12	2.18	29.48	-26.52	56.00	19.85	9.62	0.01	QP

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

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	892.054k	892KF1D	918.75k	883.308k
BT-EDR(2Mbps)	1.339M	1.227M	1M23G1D	1.335M	1.222M
BT-EDR(3Mbps)	1.333M	1.227M	1M23G1D	1.314M	1.223M

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

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

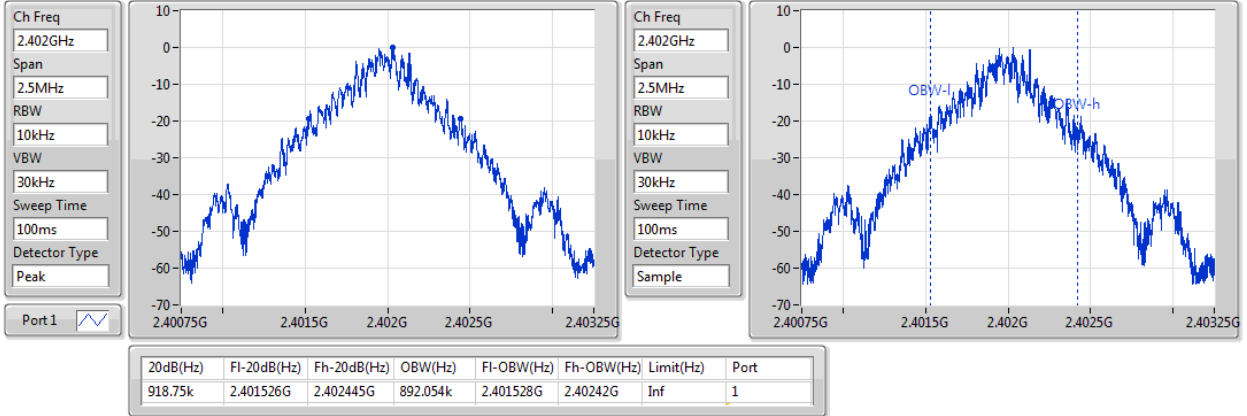
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	918.75k	892.054k
2441MHz	Pass	Inf	918.75k	883.308k
2480MHz	Pass	Inf	920k	888.306k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.335M	1.223M
2441MHz	Pass	Inf	1.339M	1.227M
2480MHz	Pass	Inf	1.336M	1.222M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.314M	1.223M
2441MHz	Pass	Inf	1.333M	1.227M
2480MHz	Pass	Inf	1.318M	1.227M

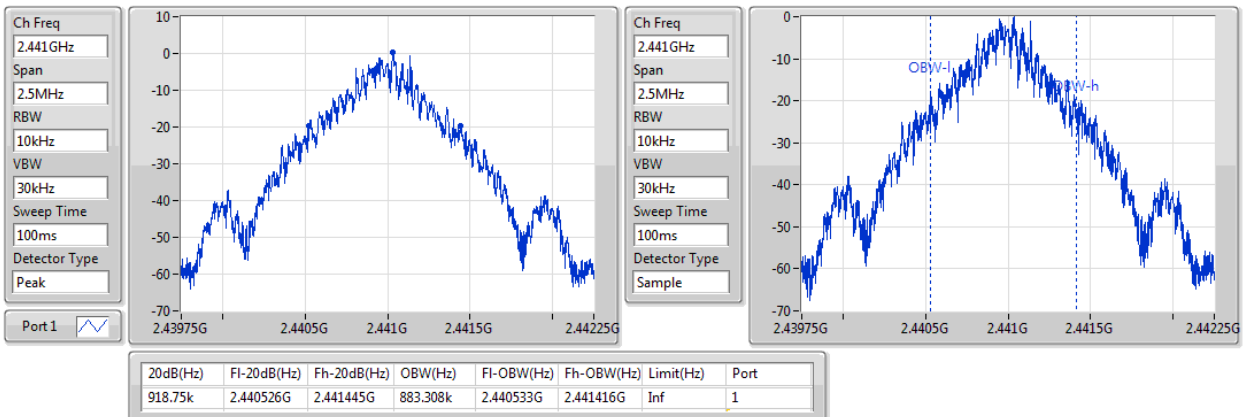
Port X-N dB = Port X 20dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

BT-BR(1Mbps)
EBW
2402MHz

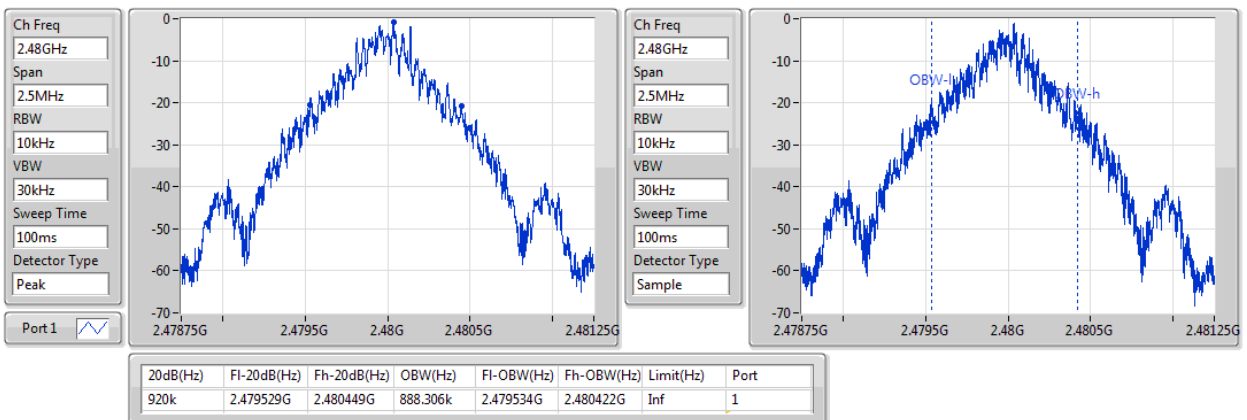
22/05/2018


BT-BR(1Mbps)
EBW
2441MHz

22/05/2018

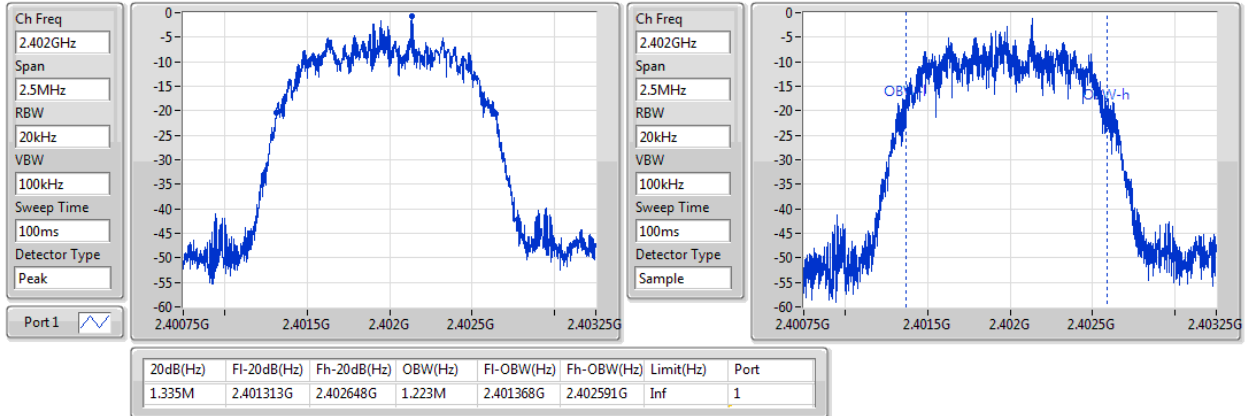

BT-BR(1Mbps)
EBW
2480MHz

22/05/2018

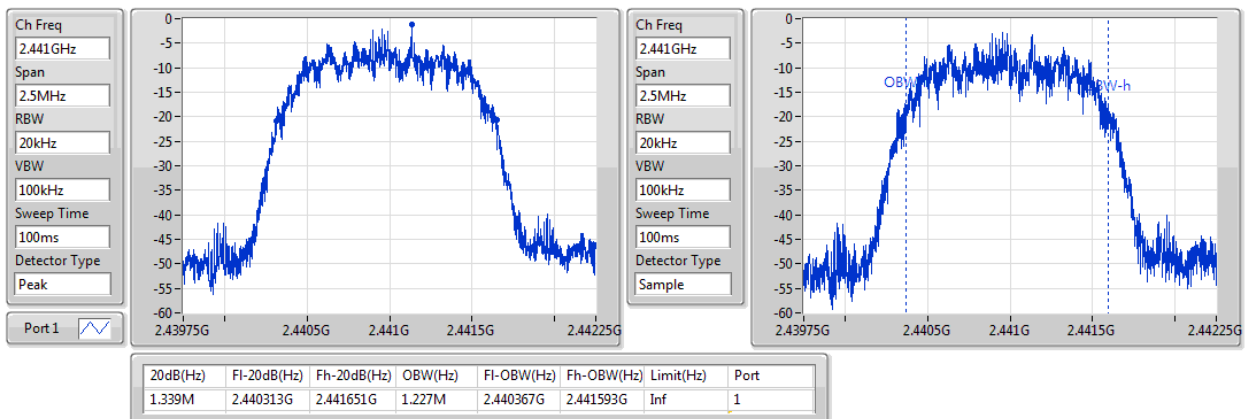


BT-EDR(2Mbps)
EBW
2402MHz

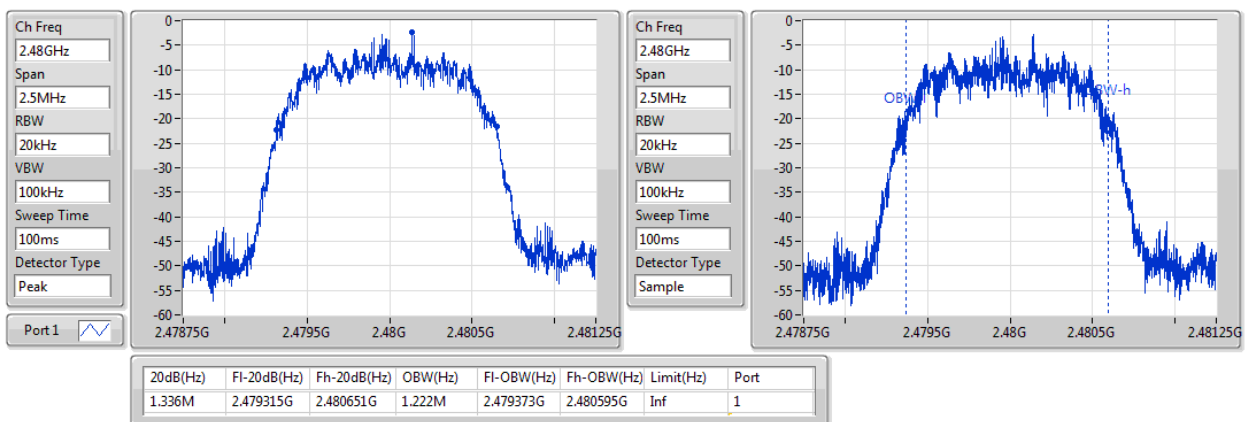
22/05/2018


BT-EDR(2Mbps)
EBW
2441MHz

22/05/2018

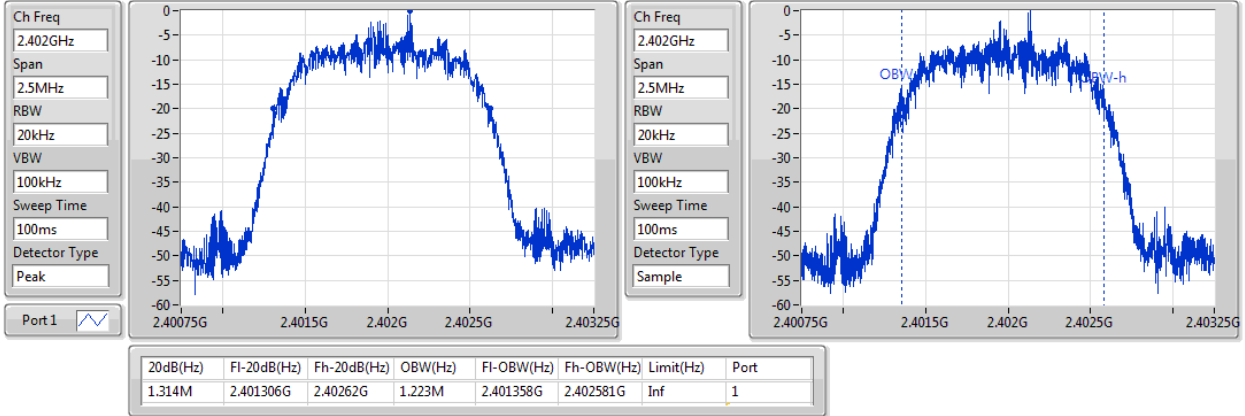

BT-EDR(2Mbps)
EBW
2480MHz

22/05/2018

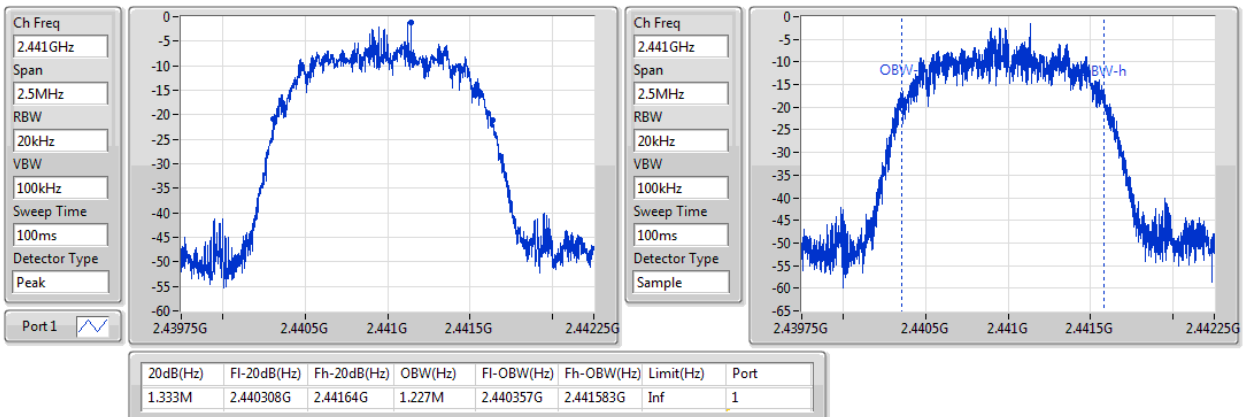


BT-EDR(3Mbps)
EBW
2402MHz

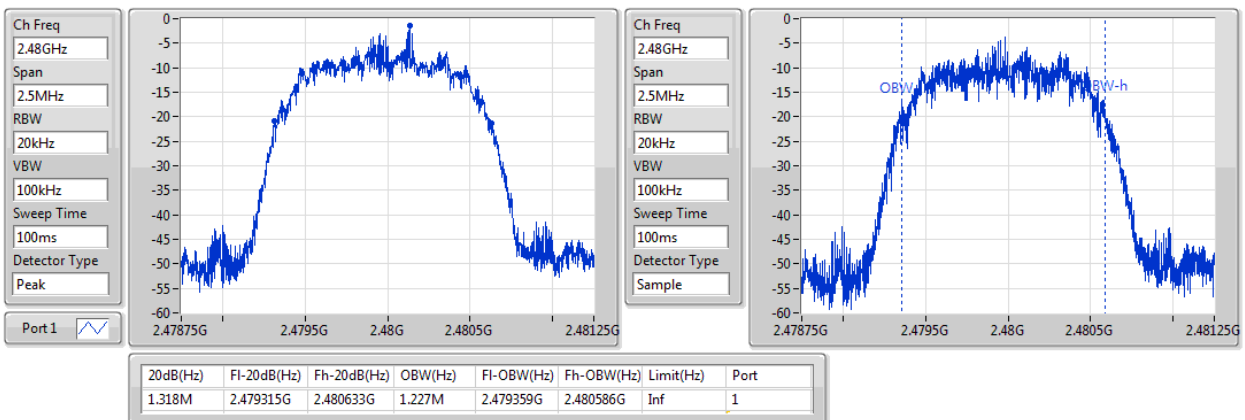
22/05/2018


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)	1.0005M	996k
BT-EDR(2Mbps)	1.158M	1.0005M
BT-EDR(3Mbps)	1.0005M	999k

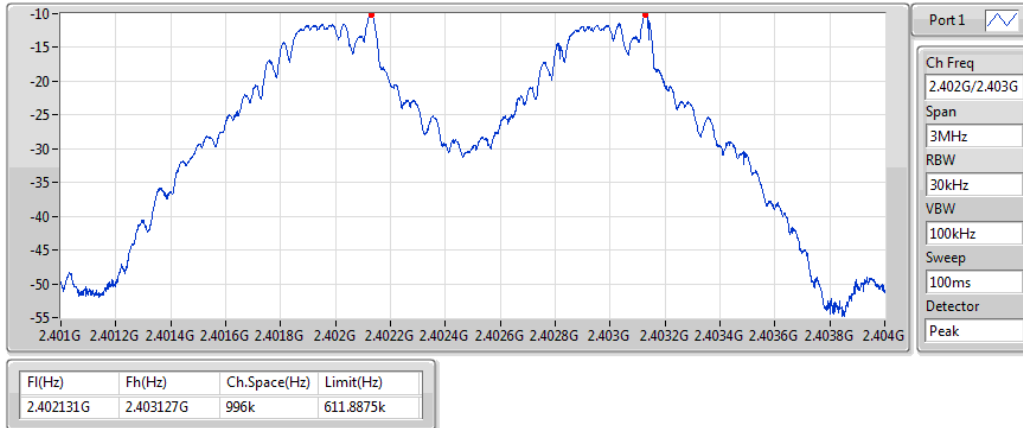
Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.402131G	2.403127G	996k	611.8875k
2441MHz	Pass	2.441131G	2.442132G	1.0005M	611.8875k
2480MHz	Pass	2.479137G	2.480138G	1.0005M	612.72k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.402134G	2.403135G	1.0005M	889.11k
2441MHz	Pass	2.441137G	2.442138G	1.0005M	891.774k
2480MHz	Pass	2.478981G	2.480139G	1.158M	889.776k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.40213G	2.403129G	999k	875.124k
2441MHz	Pass	2.441131G	2.442132G	1.0005M	887.778k
2480MHz	Pass	2.479134G	2.480135G	1.0005M	877.788k

BT-BR(1Mbps)

Channel Separation

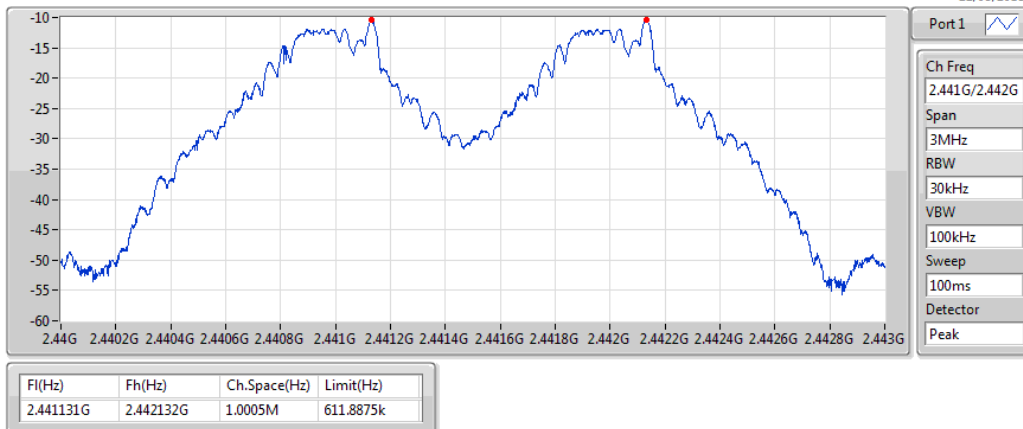
2.402G/2.403GHz



BT-BR(1Mbps)

Channel Separation

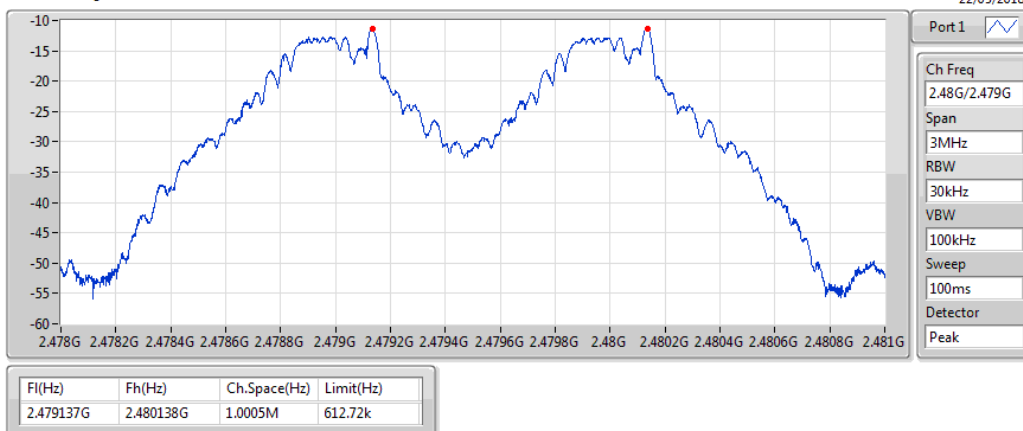
2.441G/2.442GHz



BT-BR(1Mbps)

Channel Separation

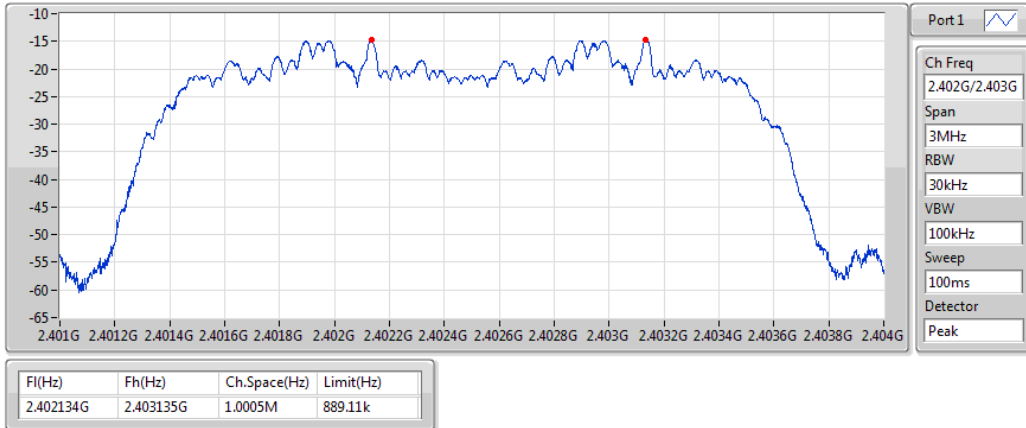
2.48G/2.479GHz



BT-EDR(2Mbps)

Channel Separation

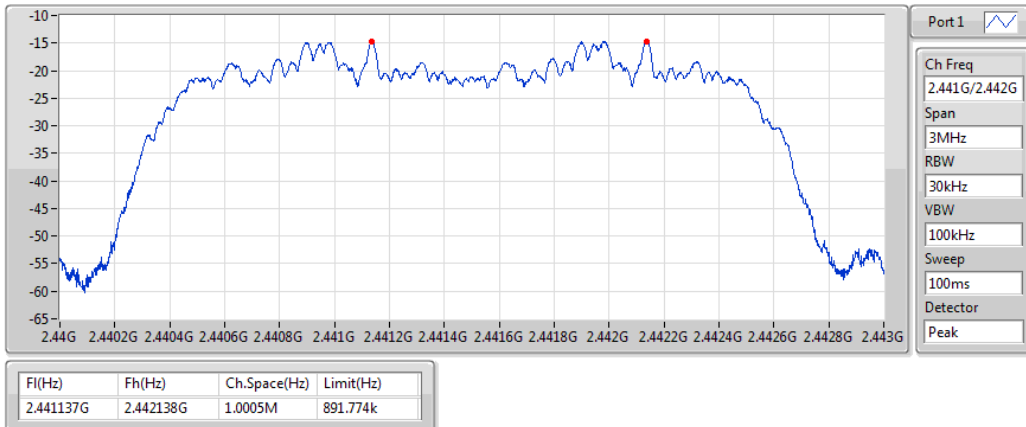
2.402G/2.403GHz



BT-EDR(2Mbps)

Channel Separation

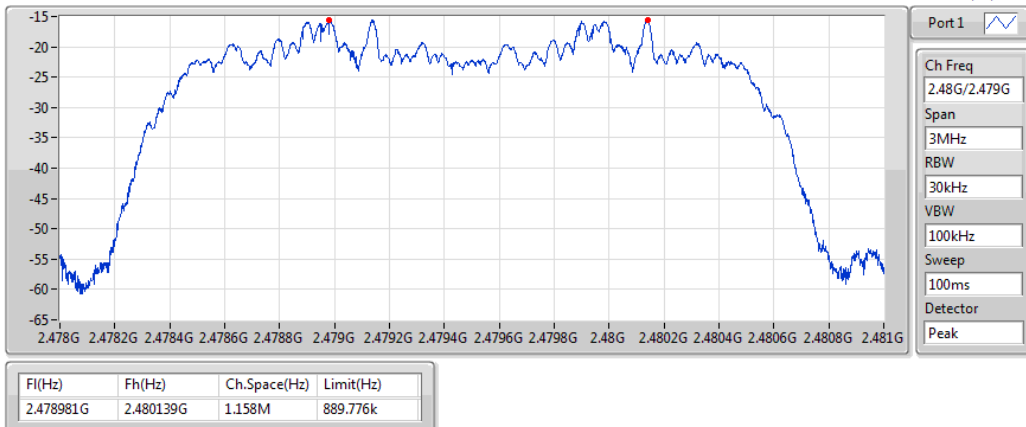
2.441G/2.442GHz



BT-EDR(2Mbps)

Channel Separation

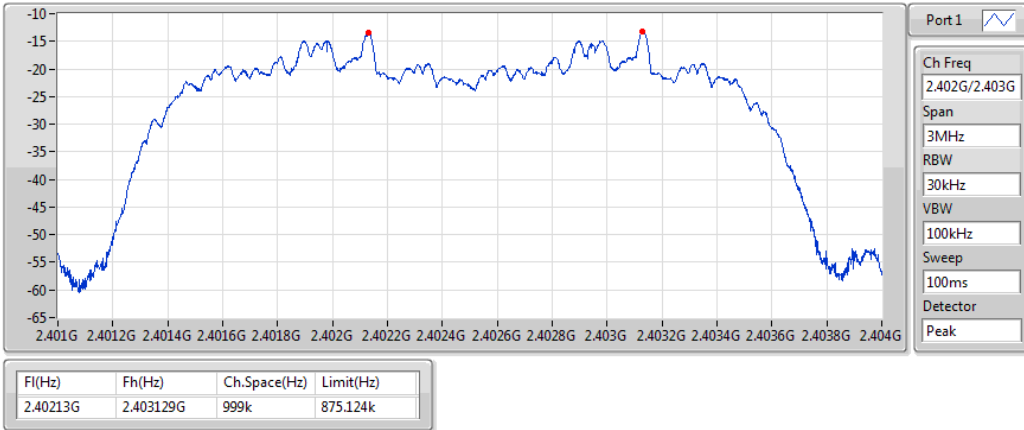
2.48G/2.479GHz



BT-EDR(3Mbps)

Channel Separation

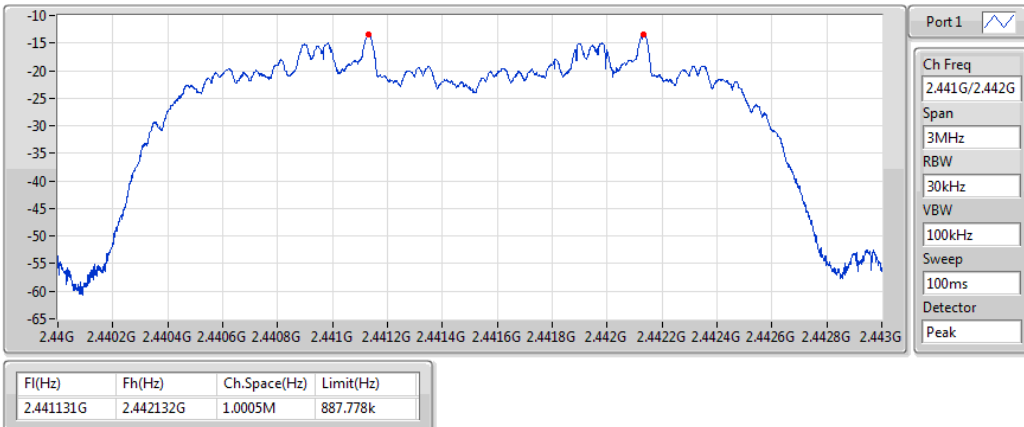
2.402G/2.403GHz



BT-EDR(3Mbps)

Channel Separation

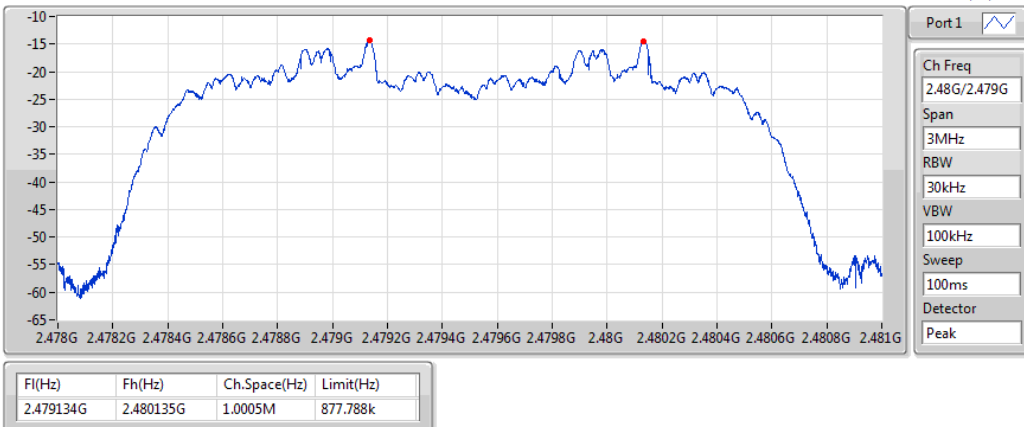
2.441G/2.442GHz



BT-EDR(3Mbps)

Channel Separation

2.48G/2.479GHz



**Summary**

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	2.87	0.00194
BT-EDR(2Mbps)	2.32	0.00171
BT-EDR(3Mbps)	2.43	0.00175

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	4.43	2.56	21.00
2441MHz_TnomVnom	Pass	4.43	2.87	21.00
2480MHz_TnomVnom	Pass	4.43	2.39	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	4.43	2.03	21.00
2441MHz_TnomVnom	Pass	4.43	2.32	21.00
2480MHz_TnomVnom	Pass	4.43	1.72	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	4.43	2.13	21.00
2441MHz_TnomVnom	Pass	4.43	2.43	21.00
2480MHz_TnomVnom	Pass	4.43	1.76	21.00

**Summary**

Mode	Power	Power
	(dBm)	(W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	2.49	0.00177
BT-EDR(2Mbps)	-0.61	0.00087
BT-EDR(3Mbps)	-0.66	0.00086

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	4.43	2.16	21.00
2441MHz_TnomVnom	Pass	4.43	2.49	21.00
2480MHz_TnomVnom	Pass	4.43	1.96	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	4.43	-0.87	21.00
2441MHz_TnomVnom	Pass	4.43	-0.61	21.00
2480MHz_TnomVnom	Pass	4.43	-1.29	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	4.43	-0.93	21.00
2441MHz_TnomVnom	Pass	4.43	-0.66	21.00
2480MHz_TnomVnom	Pass	4.43	-1.32	21.00

**Summary**

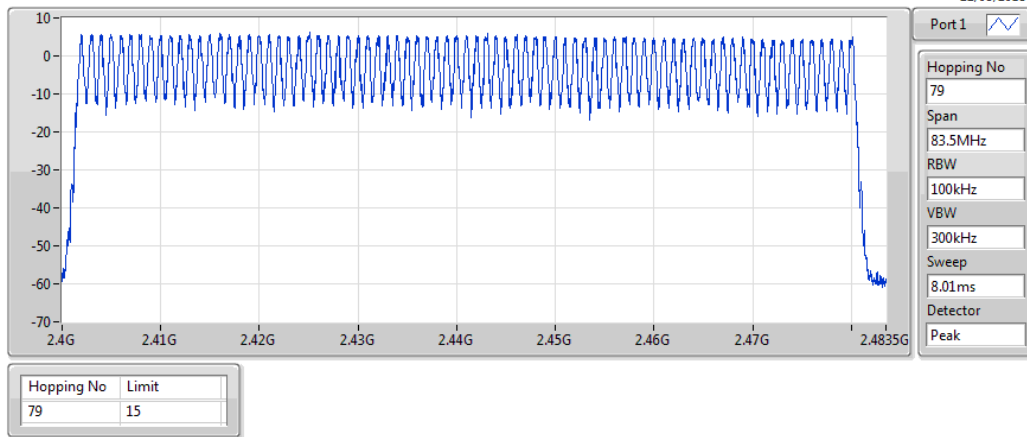
Mode	Max-Hop No
2.4-2.4835GHz	-
BT-BR(1Mbps)	79
BT-EDR(2Mbps)	79
BT-EDR(3Mbps)	79

Result

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

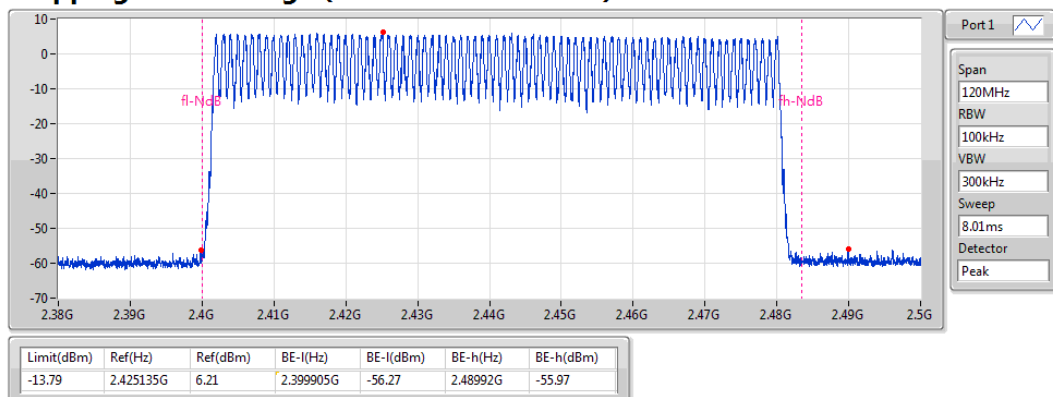
BT-BR(1Mbps) 2441MHz

Hopping Ch



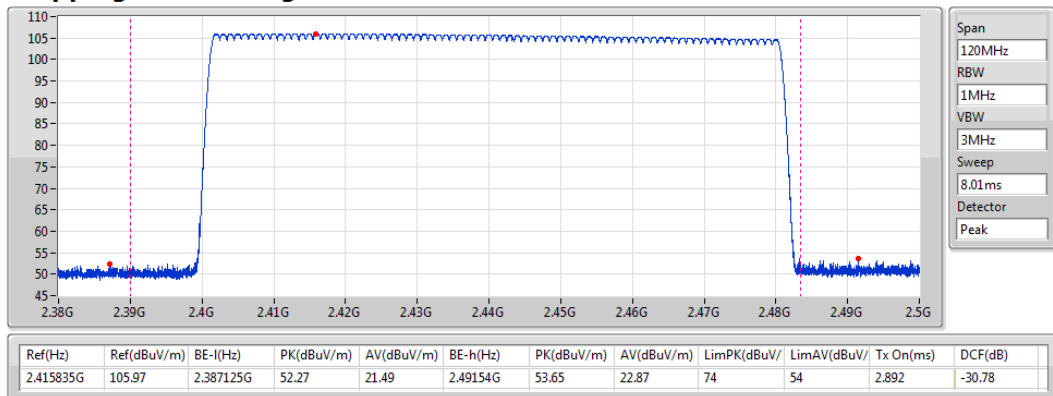
BT-BR(1Mbps) 2441MHz

Hopping Ch Bandedge (Non-restricted Band)



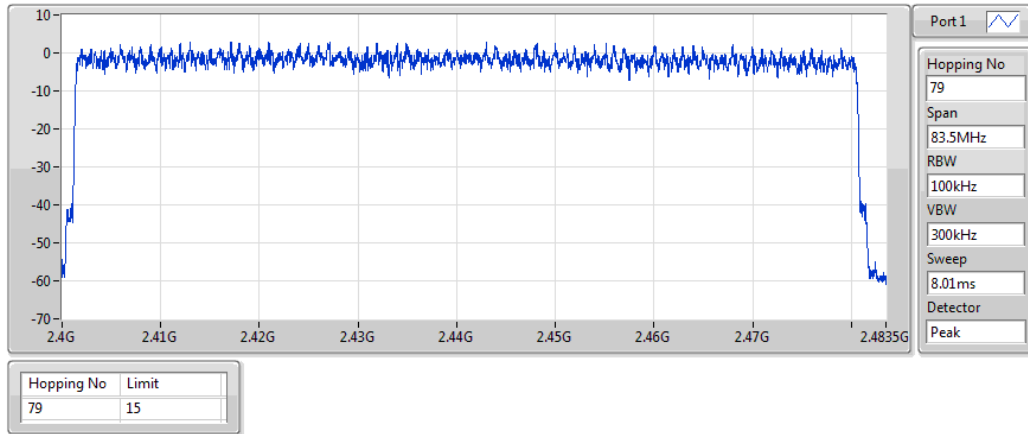
BT-BR(1Mbps) 2441MHz

Hopping Ch Bandedge (Restricted Band)



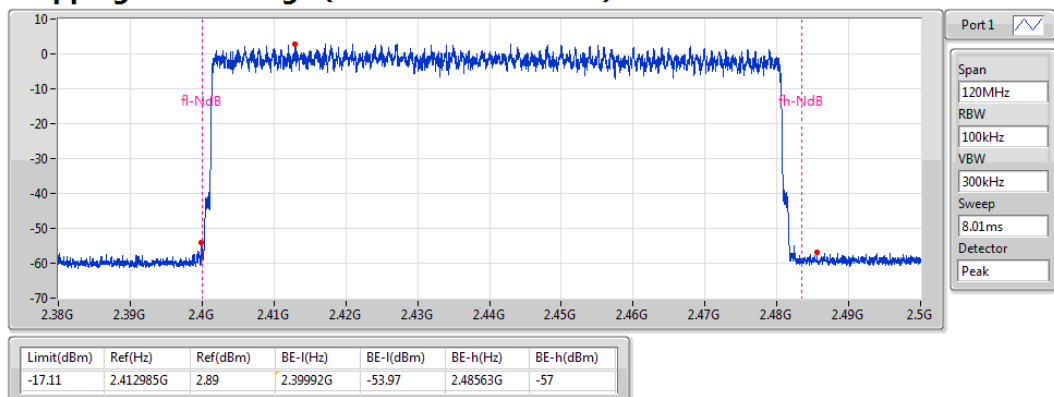
BT-EDR(2Mbps) 2441MHz

Hopping Ch



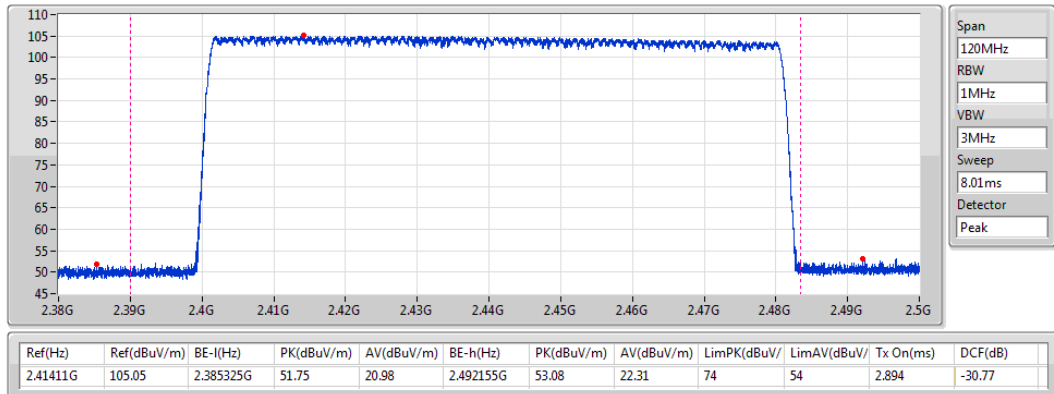
BT-EDR(2Mbps) 2441MHz

Hopping Ch Bandedge (Non-restricted Band)



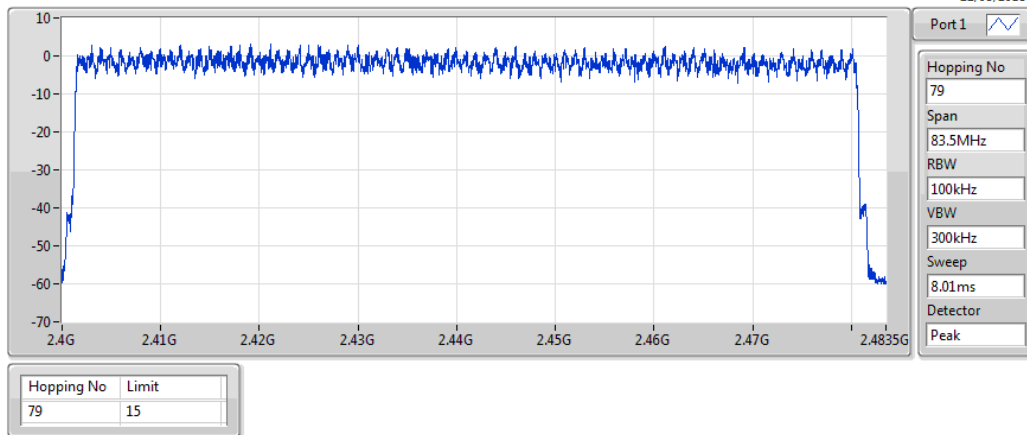
BT-EDR(2Mbps) 2441MHz

Hopping Ch Bandedge (Restricted Band)



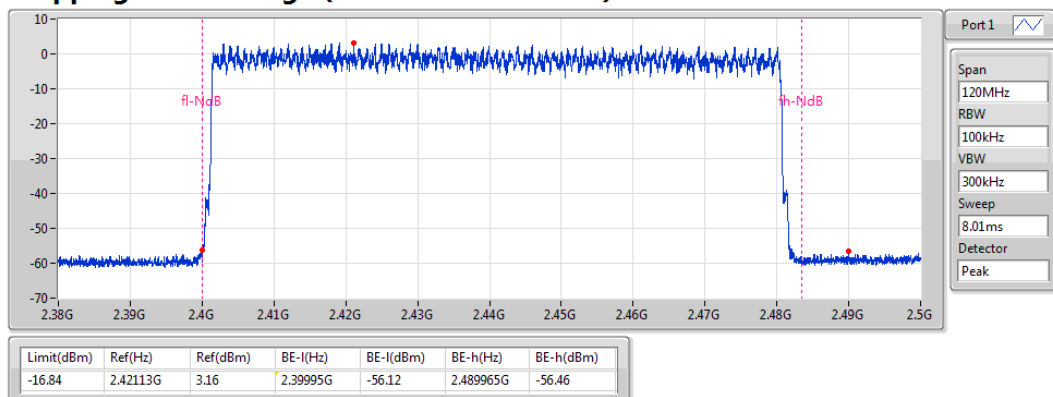
BT-EDR(3Mbps) 2441MHz

Hopping Ch



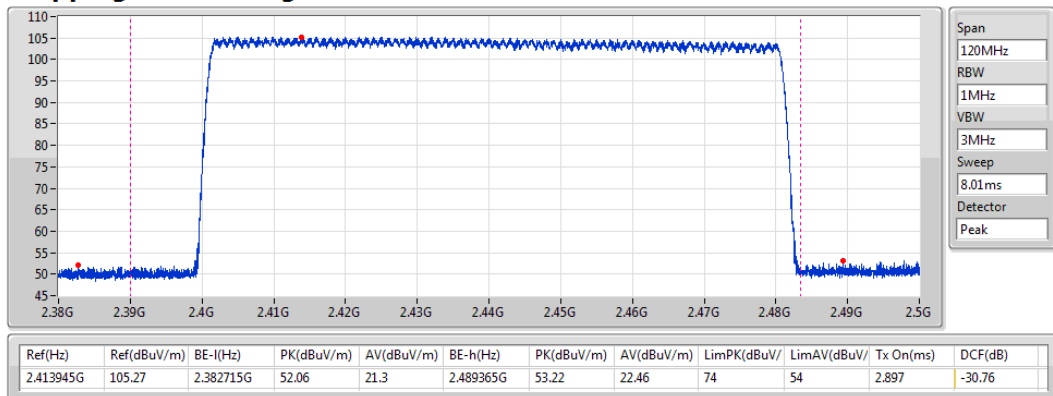
BT-EDR(3Mbps) 2441MHz

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)	308.2872m
BT-EDR(2Mbps)	308.5004m
BT-EDR(3Mbps)	308.8202m

Result

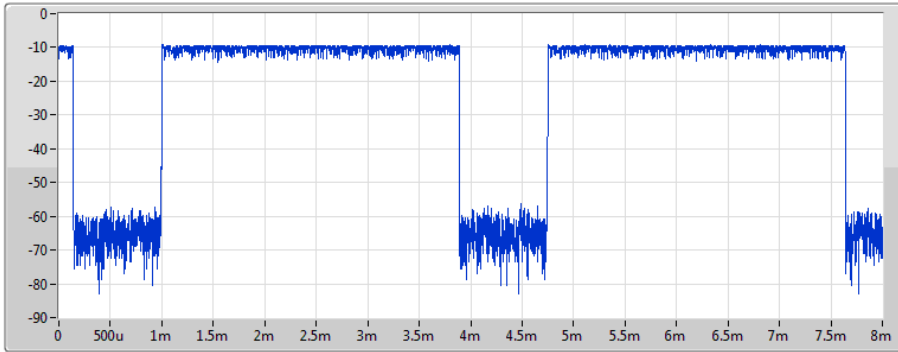
Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2441MHz	Pass	31.6	308.2872m	400m	2.892m
BT-EDR(2Mbps)	-	-	-	-	-
2441MHz	Pass	31.6	308.5004m	400m	2.894m
BT-EDR(3Mbps)	-	-	-	-	-
2441MHz	Pass	31.6	308.8202m	400m	2.897m

BT-BR(1Mbps)

2441MHz

Dwell

22/05/2018



Port 1 

Ch Freq
2.441GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.892ms

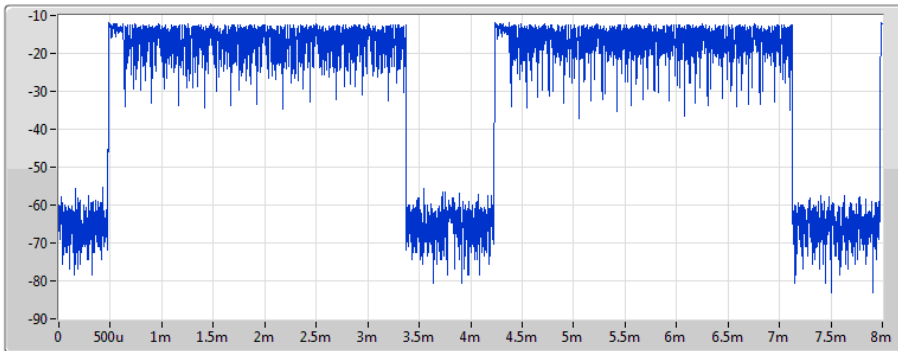
Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.2872m	400m	2.892m

BT-EDR(2Mbps)

2441MHz

Dwell

22/05/2018



Port 1 

Ch Freq
2.441GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.894ms

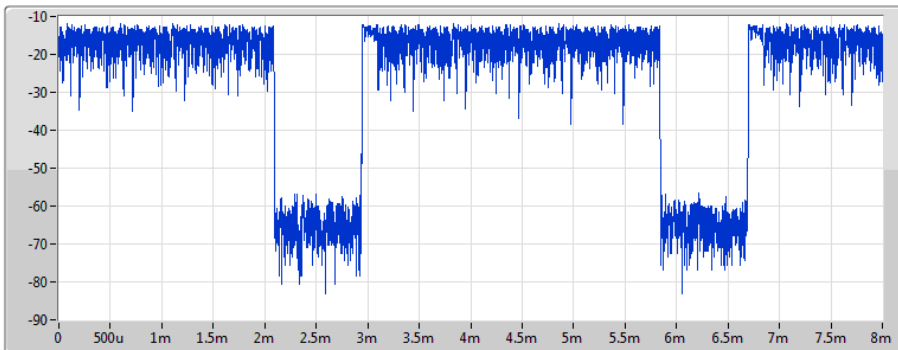
Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.5004m	400m	2.894m

BT-EDR(3Mbps)

2441MHz

Dwell

22/05/2018



Port 1 

Ch Freq
2.441GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.897ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.8202m	400m	2.897m

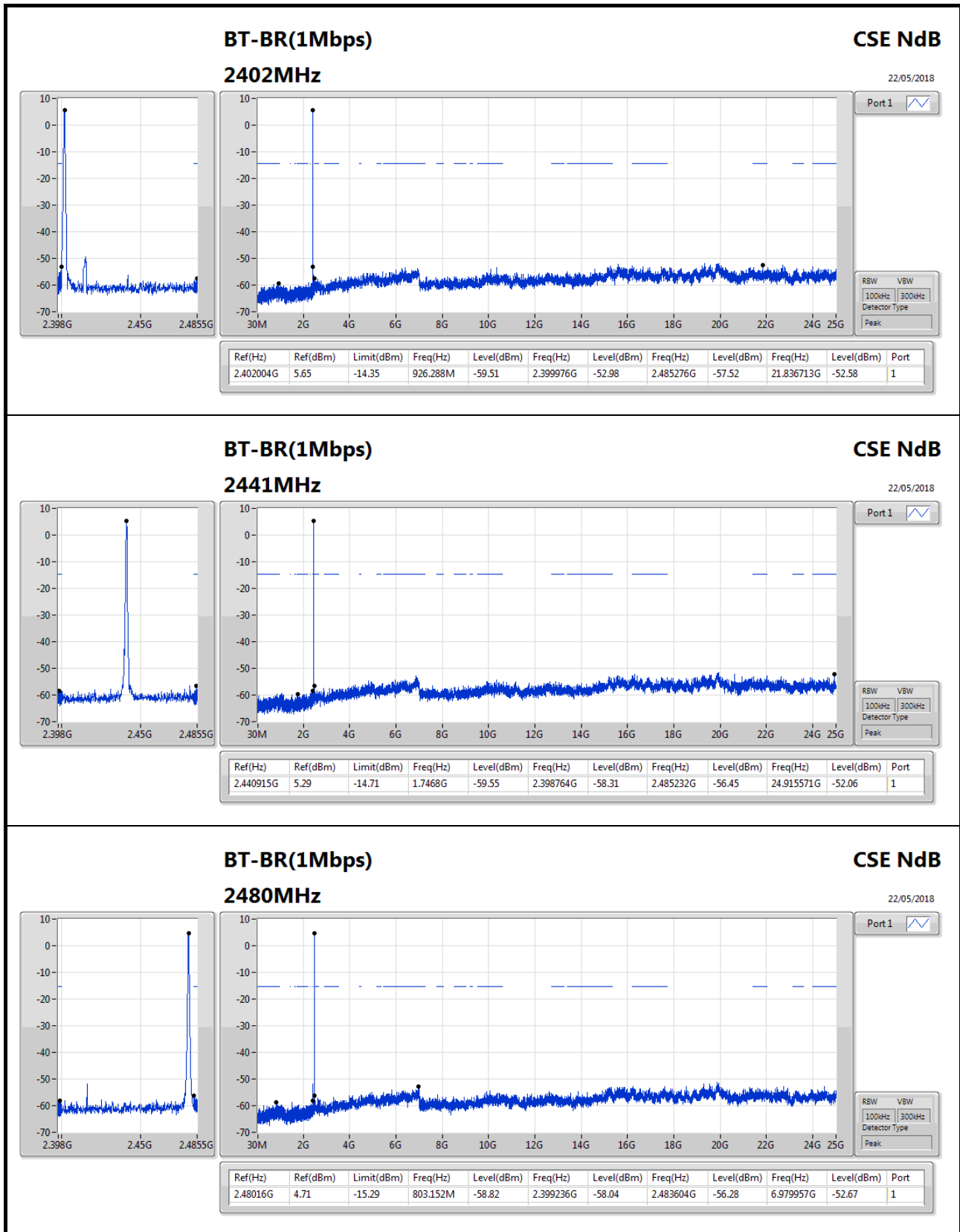


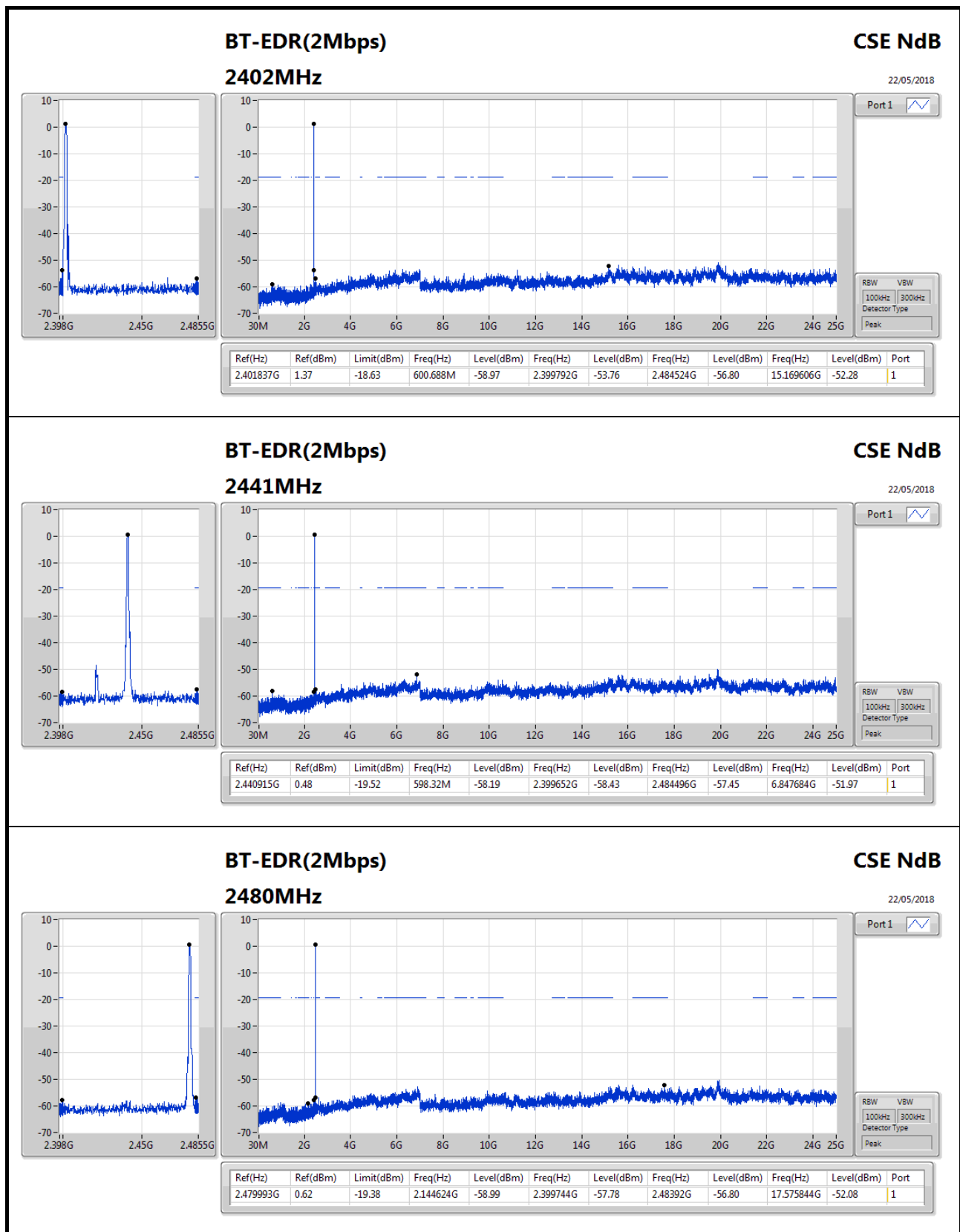
Summary

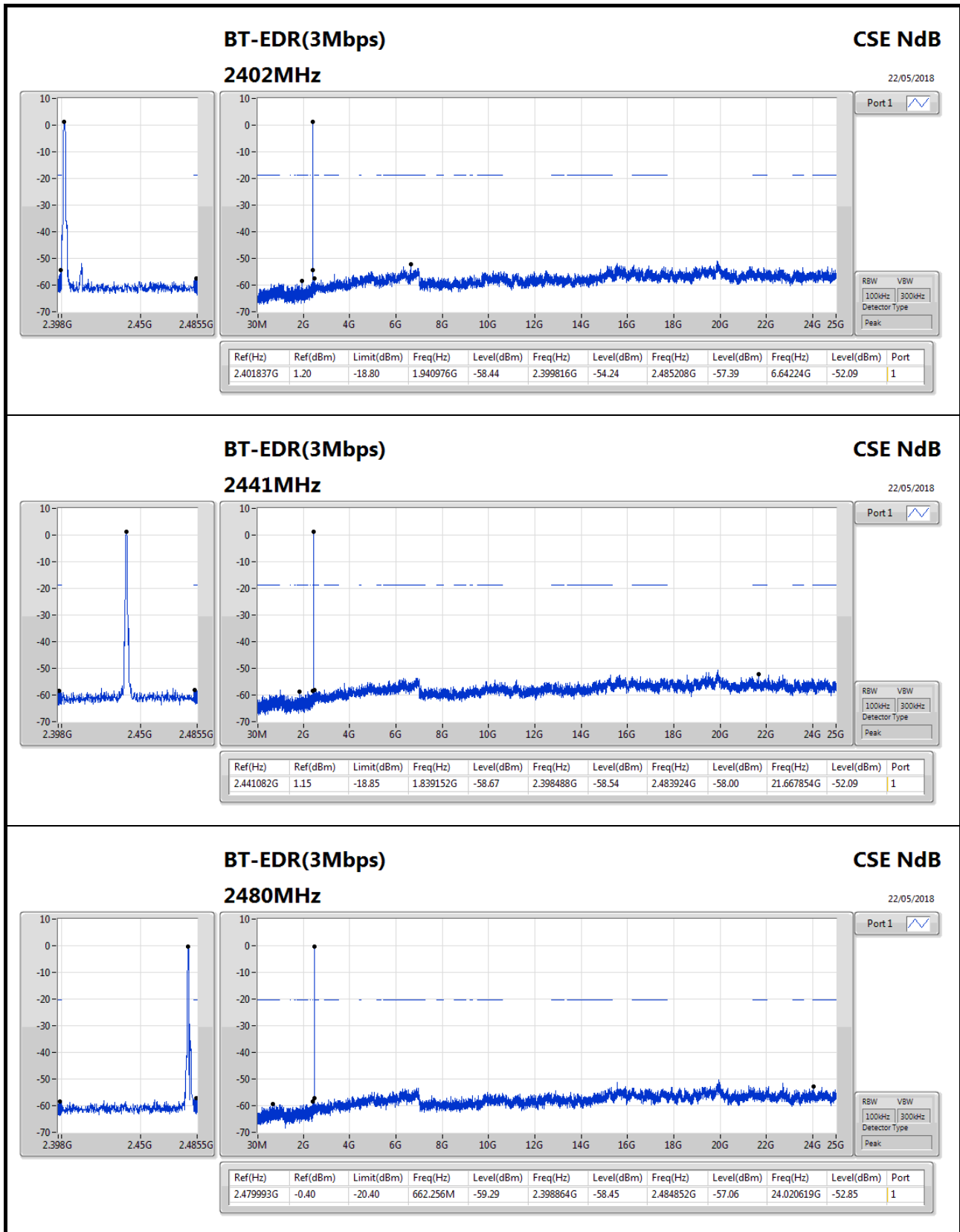
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.440915G	5.29	-14.71	1.7468G	-59.55	2.398764G	-58.31	2.485232G	-56.45	24.915571G	-52.06	1
BT-EDR(2Mbps)	Pass	2.440915G	0.48	-19.52	598.32M	-58.19	2.399652G	-58.43	2.484496G	-57.45	6.847684G	-51.97	1
BT-EDR(3Mbps)	Pass	2.479993G	-0.40	-20.40	662.256M	-59.29	2.398864G	-58.45	2.484852G	-57.06	24.020619G	-52.85	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	Pass	2.402004G	5.65	-14.35	926.288M	-59.51	2.399976G	-52.98	2.485276G	-57.52	21.836713G	-52.58	1
2441MHz	Pass	2.440915G	5.29	-14.71	1.7468G	-59.55	2.398764G	-58.31	2.485232G	-56.45	24.915571G	-52.06	1
2480MHz	Pass	2.48016G	4.71	-15.29	803.152M	-58.82	2.399236G	-58.04	2.483604G	-56.28	6.979957G	-52.67	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.401837G	1.37	-18.63	600.688M	-58.97	2.399792G	-53.76	2.484524G	-56.80	15.169606G	-52.28	1
2441MHz	Pass	2.440915G	0.48	-19.52	598.32M	-58.19	2.399652G	-58.43	2.484496G	-57.45	6.847684G	-51.97	1
2480MHz	Pass	2.479993G	0.62	-19.38	2.144624G	-58.99	2.399744G	-57.78	2.48392G	-56.80	17.575844G	-52.08	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.401837G	1.20	-18.80	1.940976G	-58.44	2.399816G	-54.24	2.485208G	-57.39	6.64224G	-52.09	1
2441MHz	Pass	2.441082G	1.15	-18.85	1.839152G	-58.67	2.398488G	-58.54	2.483924G	-58.00	21.667854G	-52.09	1
2480MHz	Pass	2.479993G	-0.40	-20.40	662.256M	-59.29	2.398864G	-58.45	2.484852G	-57.06	24.020619G	-52.85	1









RSE TX below 1GHz Result

Appendix G.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	20.448M	36.61	69.50	-32.89	23.54	3	Horizontal	0	1.00	-

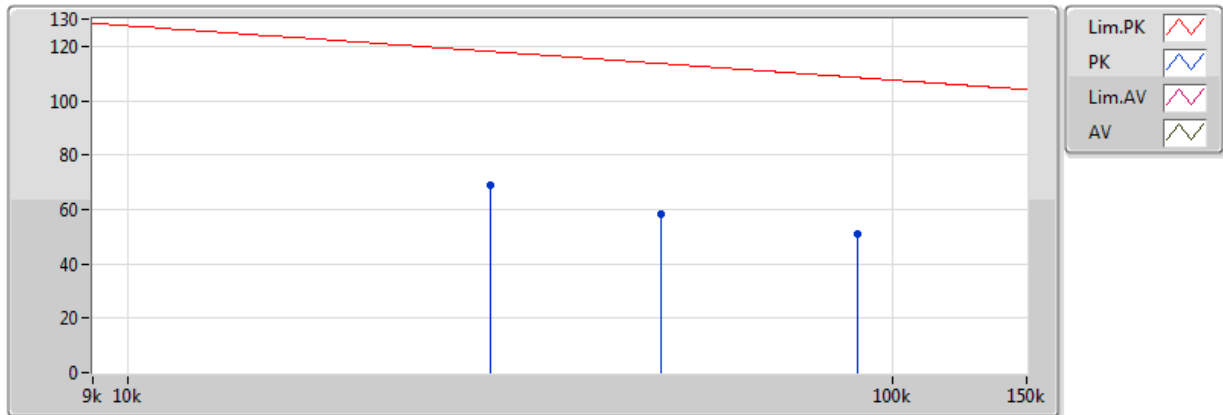
Result

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	29.868k	69.08	118.09	-49.01	21.37	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	49.89k	58.41	113.63	-55.22	21.17	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	89.934k	50.72	108.51	-57.79	20.33	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	209.7k	53.74	101.16	-47.42	20.55	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	20.448M	36.61	69.50	-32.89	23.54	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	7.7319M	36.08	69.50	-33.42	21.97	3	Horizontal	0	1.00	-

BT-BR(1Mbps)

2441MHz_Adapter

17/07/2018

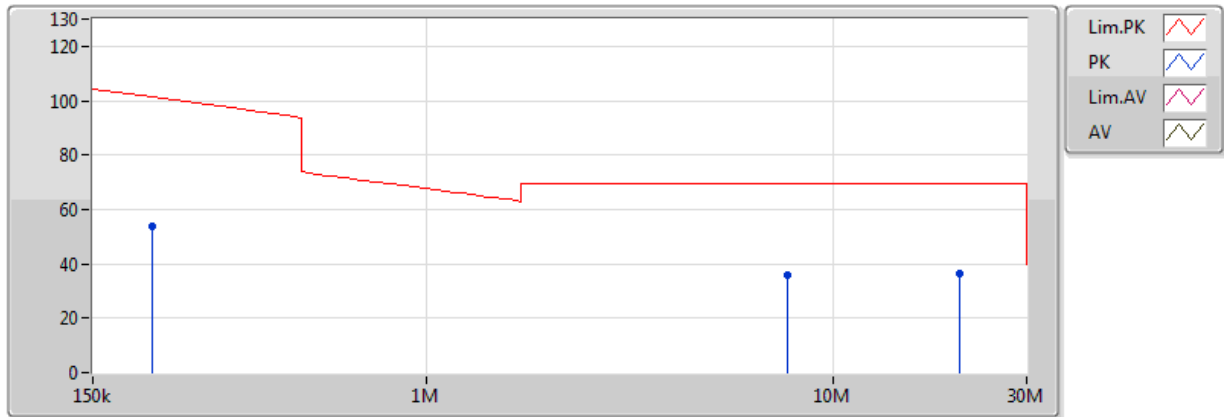


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	29.868k	69.08	118.09	-49.01	21.37	3	Horizontal	0	1.00	-
PK	49.89k	58.41	113.63	-55.22	21.17	3	Horizontal	0	1.00	-
PK	89.934k	50.72	108.51	-57.79	20.33	3	Horizontal	0	1.00	-

BT-BR(1Mbps)

2441MHz_Adapter

17/07/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	209.7k	53.74	101.16	-47.42	20.55	3	Horizontal	0	1.00	-
PK	20.448M	36.61	69.50	-32.89	23.54	3	Horizontal	0	1.00	-
PK	7.7319M	36.08	69.50	-33.42	21.97	3	Horizontal	0	1.00	-



RSE TX below 1GHz Result

Appendix G.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	875.84M	42.89	46.00	-3.11	2.30	3	Horizontal	360	1.00	-

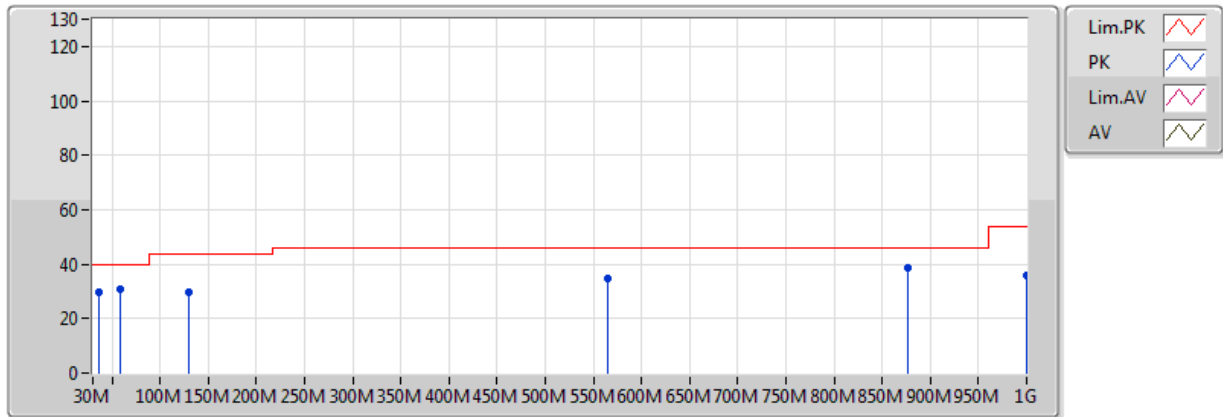
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2441MHz	Pass	PK	35.82M	29.45	40.00	-10.55	-7.23	3	Vertical	0	1.00	-
2441MHz	Pass	PK	59.1M	30.68	40.00	-9.32	-15.04	3	Vertical	0	1.00	-
2441MHz	Pass	PK	128.94M	29.43	43.50	-14.07	-9.03	3	Vertical	0	1.00	-
2441MHz	Pass	PK	565.44M	34.85	46.00	-11.15	-0.98	3	Vertical	0	1.00	-
2441MHz	Pass	PK	875.84M	38.40	46.00	-7.60	2.30	3	Vertical	0	1.00	-
2441MHz	Pass	PK	999.999M	35.87	54.00	-18.13	4.45	3	Vertical	360	1.00	-
2441MHz	Pass	PK	35.82M	26.22	40.00	-13.78	-7.23	3	Horizontal	360	1.00	-
2441MHz	Pass	PK	132.82M	33.15	43.50	-10.35	-9.22	3	Horizontal	360	1.00	-
2441MHz	Pass	PK	210.42M	34.14	43.50	-9.36	-10.67	3	Horizontal	360	1.00	-
2441MHz	Pass	PK	549.92M	35.45	46.00	-10.55	-0.84	3	Horizontal	360	1.00	-
2441MHz	Pass	PK	875.84M	42.89	46.00	-3.11	2.30	3	Horizontal	360	1.00	-
2441MHz	Pass	PK	999.999M	40.23	54.00	-13.77	4.45	3	Horizontal	360	1.00	-

BT-BR(1Mbps)

2441MHz_Adapter

02/06/2018

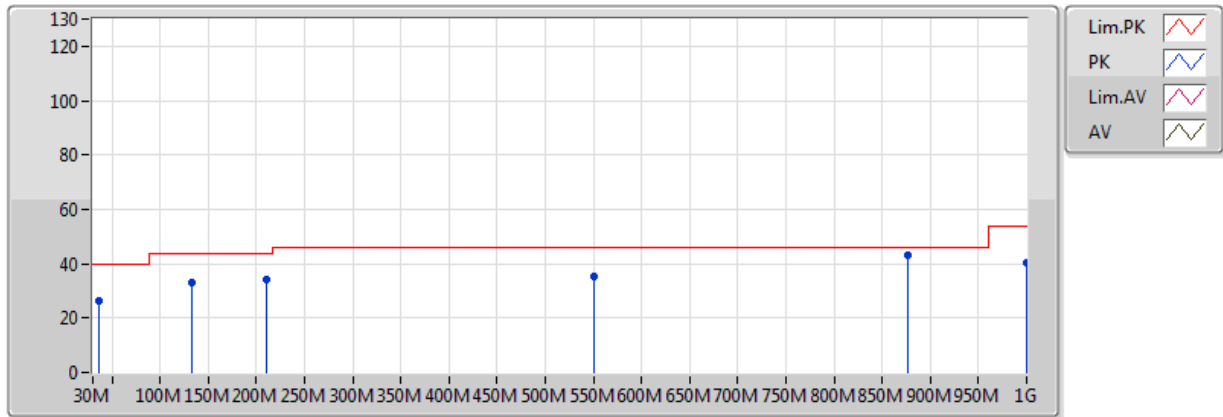


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	35.82M	29.45	40.00	-10.55	-7.23	3	Vertical	0	1.00	-
PK	59.1M	30.68	40.00	-9.32	-15.04	3	Vertical	0	1.00	-
PK	128.94M	29.43	43.50	-14.07	-9.03	3	Vertical	0	1.00	-
PK	565.44M	34.85	46.00	-11.15	-0.98	3	Vertical	0	1.00	-
PK	875.84M	38.40	46.00	-7.60	2.30	3	Vertical	0	1.00	-
PK	999.999M	35.87	54.00	-18.13	4.45	3	Vertical	360	1.00	-

BT-BR(1Mbps)

2441MHz_Adapter

02/06/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	35.82M	26.22	40.00	-13.78	-7.23	3	Horizontal	360	1.00	-
PK	132.82M	33.15	43.50	-10.35	-9.22	3	Horizontal	360	1.00	-
PK	210.42M	34.14	43.50	-9.36	-10.67	3	Horizontal	360	1.00	-
PK	549.92M	35.45	46.00	-10.55	-0.84	3	Horizontal	360	1.00	-
PK	875.84M	42.89	46.00	-3.11	2.30	3	Horizontal	360	1.00	-
PK	999.999M	40.23	54.00	-13.77	4.45	3	Horizontal	360	1.00	-

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	AV	2.4838G	43.39	54.00	-10.61	31.11	3	Horizontal	297	1.09	-
BT-EDR(2Mbps)	Pass	AV	2.4906G	43.38	54.00	-10.62	31.13	3	Horizontal	288	1.09	-
BT-EDR(3Mbps)	Pass	AV	2.4904G	43.40	54.00	-10.60	31.13	3	Horizontal	289	1.08	-

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	2.3876G	42.43	54.00	-11.57	30.77	3	Vertical	273	2.91	-
2402MHz	Pass	AV	2.402G	96.63	Inf	-Inf	30.82	3	Vertical	273	2.91	-
2402MHz	Pass	PK	2.3834G	55.79	74.00	-18.21	30.75	3	Vertical	273	2.91	-
2402MHz	Pass	PK	2.4018G	97.32	Inf	-Inf	30.82	3	Vertical	273	2.91	-
2402MHz	Pass	AV	2.3542G	42.56	54.00	-11.44	30.65	3	Horizontal	283	1.06	-
2402MHz	Pass	AV	2.402G	101.59	Inf	-Inf	30.82	3	Horizontal	283	1.06	-
2402MHz	Pass	PK	2.3802G	55.55	74.00	-18.45	30.74	3	Horizontal	283	1.06	-
2402MHz	Pass	PK	2.4022G	102.33	Inf	-Inf	30.82	3	Horizontal	283	1.06	-
2402MHz	Pass	AV	4.7941G	30.78	54.00	-23.22	2.02	3	Vertical	60	3.04	-
2402MHz	Pass	PK	4.80538G	43.15	74.00	-30.85	2.05	3	Vertical	60	3.04	-
2402MHz	Pass	AV	4.8061G	30.22	54.00	-23.78	2.05	3	Horizontal	138	1.21	-
2402MHz	Pass	PK	4.79416G	43.20	74.00	-30.80	2.02	3	Horizontal	138	1.21	-
2441MHz	Pass	AV	2.3882G	42.41	54.00	-11.59	30.77	3	Vertical	280	2.82	-
2441MHz	Pass	AV	2.441G	95.67	Inf	-Inf	30.96	3	Vertical	280	2.82	-
2441MHz	Pass	AV	2.489G	43.26	54.00	-10.74	31.13	3	Vertical	280	2.82	-
2441MHz	Pass	PK	2.3642G	55.73	74.00	-18.27	30.68	3	Vertical	280	2.82	-
2441MHz	Pass	PK	2.441G	96.49	Inf	-Inf	30.96	3	Vertical	280	2.82	-
2441MHz	Pass	PK	2.4974G	56.31	74.00	-17.69	31.16	3	Vertical	280	2.82	-
2441MHz	Pass	AV	2.3754G	42.44	54.00	-11.56	30.72	3	Horizontal	279	1.03	-
2441MHz	Pass	AV	2.441G	100.41	Inf	-Inf	30.96	3	Horizontal	279	1.03	-
2441MHz	Pass	AV	2.4974G	43.24	54.00	-10.76	31.16	3	Horizontal	279	1.03	-
2441MHz	Pass	PK	2.3882G	56.26	74.00	-17.74	30.77	3	Horizontal	279	1.03	-
2441MHz	Pass	PK	2.441G	101.12	Inf	-Inf	30.96	3	Horizontal	279	1.03	-
2441MHz	Pass	PK	2.4922G	56.55	74.00	-17.45	31.14	3	Horizontal	279	1.03	-
2441MHz	Pass	AV	4.9312G	29.64	54.00	-24.36	2.32	3	Vertical	276	1.04	-
2441MHz	Pass	PK	4.9282G	43.01	74.00	-30.99	2.31	3	Vertical	276	1.04	-
2441MHz	Pass	AV	4.931G	29.81	54.00	-24.19	2.32	3	Horizontal	346	1.37	-
2441MHz	Pass	PK	4.9272G	42.77	74.00	-31.23	2.31	3	Horizontal	346	1.37	-
2480MHz	Pass	AV	2.48G	95.78	Inf	-Inf	31.10	3	Vertical	271	3.09	-
2480MHz	Pass	AV	2.494G	43.32	54.00	-10.68	31.15	3	Vertical	271	3.09	-
2480MHz	Pass	PK	2.4798G	96.49	Inf	-Inf	31.10	3	Vertical	271	3.09	-
2480MHz	Pass	PK	2.4884G	56.86	74.00	-17.14	31.13	3	Vertical	271	3.09	-
2480MHz	Pass	AV	2.48G	99.53	Inf	-Inf	31.10	3	Horizontal	297	1.09	-
2480MHz	Pass	AV	2.4838G	43.39	54.00	-10.61	31.11	3	Horizontal	297	1.09	-
2480MHz	Pass	PK	2.4798G	100.24	Inf	-Inf	31.10	3	Horizontal	297	1.09	-
2480MHz	Pass	PK	2.494G	56.25	74.00	-17.75	31.15	3	Horizontal	297	1.09	-
2480MHz	Pass	AV	4.984G	30.08	54.00	-23.92	2.43	3	Vertical	66	1.01	-
2480MHz	Pass	PK	4.9844G	43.55	74.00	-30.45	2.44	3	Vertical	66	1.01	-
2480MHz	Pass	AV	4.9988G	30.05	54.00	-23.95	2.47	3	Horizontal	10	1.53	-
2480MHz	Pass	PK	4.99G	43.57	74.00	-30.43	2.45	3	Horizontal	10	1.53	-
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3754G	42.39	54.00	-11.61	30.72	3	Vertical	268	2.92	-
2402MHz	Pass	AV	2.402G	91.18	Inf	-Inf	30.82	3	Vertical	268	2.92	-
2402MHz	Pass	PK	2.3826G	56.54	74.00	-17.46	30.75	3	Vertical	268	2.92	-
2402MHz	Pass	PK	2.4022G	95.33	Inf	-Inf	30.82	3	Vertical	268	2.92	-
2402MHz	Pass	AV	2.382G	42.55	54.00	-11.45	30.75	3	Horizontal	270	1.04	-
2402MHz	Pass	AV	2.402G	95.87	Inf	-Inf	30.82	3	Horizontal	270	1.04	-

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	2.3532G	56.15	74.00	-17.85	30.65	3	Horizontal	270	1.04	-
2402MHz	Pass	PK	2.4022G	99.93	Inf	-Inf	30.82	3	Horizontal	270	1.04	-
2441MHz	Pass	AV	2.3722G	42.43	54.00	-11.57	30.71	3	Vertical	273	2.81	-
2441MHz	Pass	AV	2.441G	90.53	Inf	-Inf	30.96	3	Vertical	273	2.81	-
2441MHz	Pass	AV	2.4966G	43.14	54.00	-10.86	31.16	3	Vertical	273	2.81	-
2441MHz	Pass	PK	2.367G	55.36	74.00	-18.64	30.70	3	Vertical	273	2.81	-
2441MHz	Pass	PK	2.441G	94.50	Inf	-Inf	30.96	3	Vertical	273	2.81	-
2441MHz	Pass	PK	2.4886G	56.51	74.00	-17.49	31.13	3	Vertical	273	2.81	-
2441MHz	Pass	AV	2.357G	42.46	54.00	-11.54	30.66	3	Horizontal	274	1.03	-
2441MHz	Pass	AV	2.441G	95.30	Inf	-Inf	30.96	3	Horizontal	274	1.03	-
2441MHz	Pass	AV	2.4998G	43.17	54.00	-10.83	31.17	3	Horizontal	274	1.03	-
2441MHz	Pass	PK	2.349G	56.35	74.00	-17.65	30.63	3	Horizontal	274	1.03	-
2441MHz	Pass	PK	2.4406G	99.32	Inf	-Inf	30.96	3	Horizontal	274	1.03	-
2441MHz	Pass	PK	2.4974G	57.19	74.00	-16.81	31.16	3	Horizontal	274	1.03	-
2480MHz	Pass	AV	2.48G	90.57	Inf	-Inf	31.10	3	Vertical	268	3.11	-
2480MHz	Pass	AV	2.4842G	43.20	54.00	-10.80	31.12	3	Vertical	268	3.11	-
2480MHz	Pass	PK	2.4802G	94.62	Inf	-Inf	31.10	3	Vertical	268	3.11	-
2480MHz	Pass	PK	2.4986G	56.73	74.00	-17.27	31.17	3	Vertical	268	3.11	-
2480MHz	Pass	AV	2.48G	94.20	Inf	-Inf	31.10	3	Horizontal	288	1.09	-
2480MHz	Pass	AV	2.4906G	43.38	54.00	-10.62	31.13	3	Horizontal	288	1.09	-
2480MHz	Pass	PK	2.4802G	98.26	Inf	-Inf	31.10	3	Horizontal	288	1.09	-
2480MHz	Pass	PK	2.4852G	56.42	74.00	-17.58	31.12	3	Horizontal	288	1.09	-
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.384G	42.51	54.00	-11.49	30.76	3	Vertical	263	2.92	-
2402MHz	Pass	AV	2.402G	91.12	Inf	-Inf	30.82	3	Vertical	263	2.92	-
2402MHz	Pass	PK	2.3802G	55.91	74.00	-18.09	30.74	3	Vertical	263	2.92	-
2402MHz	Pass	PK	2.402G	95.33	Inf	-Inf	30.82	3	Vertical	263	2.92	-
2402MHz	Pass	AV	2.3772G	42.52	54.00	-11.48	30.73	3	Horizontal	264	1.04	-
2402MHz	Pass	AV	2.402G	95.80	Inf	-Inf	30.82	3	Horizontal	264	1.04	-
2402MHz	Pass	PK	2.3548G	55.76	74.00	-18.24	30.65	3	Horizontal	264	1.04	-
2402MHz	Pass	PK	2.402G	100.05	Inf	-Inf	30.82	3	Horizontal	264	1.04	-
2441MHz	Pass	AV	2.389G	42.42	54.00	-11.58	30.77	3	Vertical	270	2.81	-
2441MHz	Pass	AV	2.441G	90.43	Inf	-Inf	30.96	3	Vertical	270	2.81	-
2441MHz	Pass	AV	2.4934G	43.28	54.00	-10.72	31.14	3	Vertical	270	2.81	-
2441MHz	Pass	PK	2.3646G	55.21	74.00	-18.79	30.69	3	Vertical	270	2.81	-
2441MHz	Pass	PK	2.441G	94.67	Inf	-Inf	30.96	3	Vertical	270	2.81	-
2441MHz	Pass	PK	2.4838G	56.17	74.00	-17.83	31.11	3	Vertical	270	2.81	-
2441MHz	Pass	AV	2.3786G	42.41	54.00	-11.59	30.74	3	Horizontal	269	1.03	-
2441MHz	Pass	AV	2.441G	95.12	Inf	-Inf	30.96	3	Horizontal	269	1.03	-
2441MHz	Pass	AV	2.4922G	43.14	54.00	-10.86	31.14	3	Horizontal	269	1.03	-
2441MHz	Pass	PK	2.3514G	55.53	74.00	-18.47	30.64	3	Horizontal	269	1.03	-
2441MHz	Pass	PK	2.441G	99.41	Inf	-Inf	30.96	3	Horizontal	269	1.03	-
2441MHz	Pass	PK	2.4898G	56.03	74.00	-17.97	31.13	3	Horizontal	269	1.03	-
2480MHz	Pass	AV	2.48G	90.09	Inf	-Inf	31.10	3	Vertical	263	3.10	-
2480MHz	Pass	AV	2.4894G	43.23	54.00	-10.77	31.13	3	Vertical	263	3.10	-
2480MHz	Pass	PK	2.48G	94.34	Inf	-Inf	31.10	3	Vertical	263	3.10	-
2480MHz	Pass	PK	2.4904G	56.22	74.00	-17.78	31.13	3	Vertical	263	3.10	-
2480MHz	Pass	AV	2.48G	93.80	Inf	-Inf	31.10	3	Horizontal	289	1.08	-
2480MHz	Pass	AV	2.4904G	43.40	54.00	-10.60	31.13	3	Horizontal	289	1.08	-



RSE TX above 1GHz Result

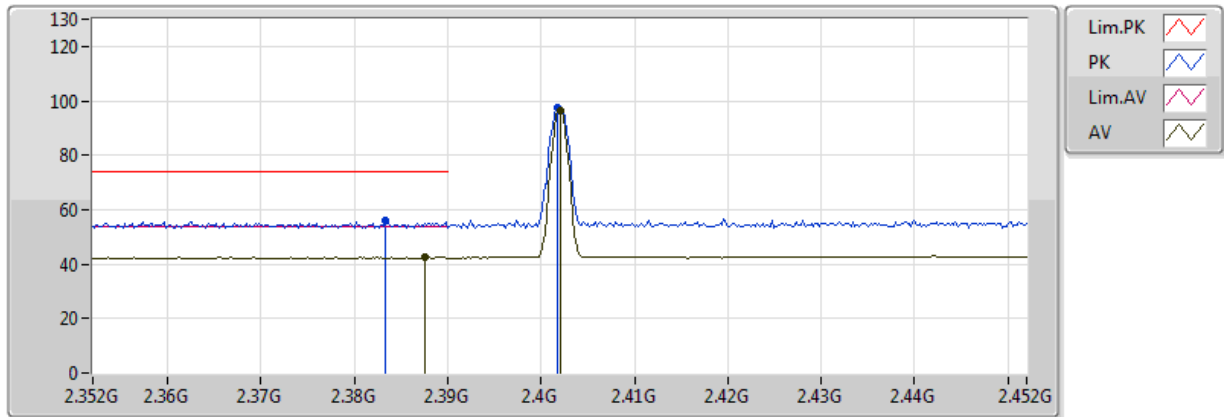
Appendix G.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2480MHz	Pass	PK	2.48G	98.08	Inf	-Inf	31.10	3	Horizontal	289	1.08	-
2480MHz	Pass	PK	2.4902G	56.85	74.00	-17.15	31.13	3	Horizontal	289	1.08	-

BT-BR(1Mbps)

2402MHz_TX

30/05/2018

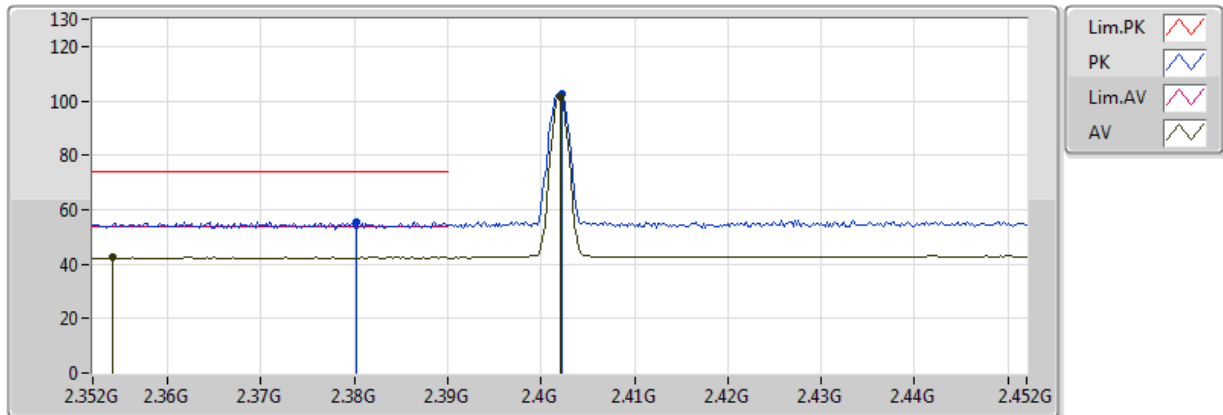


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3876G	42.43	54.00	-11.57	30.77	3	Vertical	273	2.91	-
AV	2.402G	96.63	Inf	-Inf	30.82	3	Vertical	273	2.91	-
PK	2.3834G	55.79	74.00	-18.21	30.75	3	Vertical	273	2.91	-
PK	2.4018G	97.32	Inf	-Inf	30.82	3	Vertical	273	2.91	-

BT-BR(1Mbps)

2402MHz_TX

30/05/2018

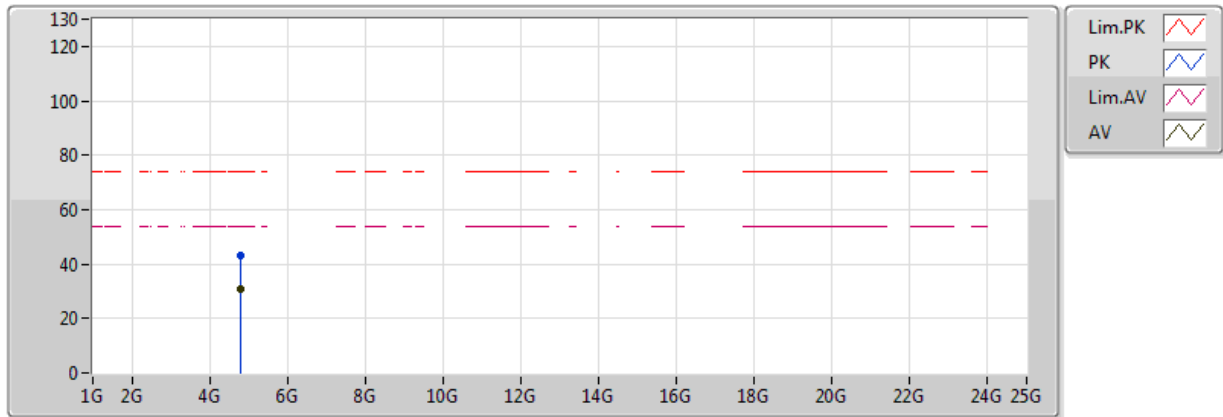


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3542G	42.56	54.00	-11.44	30.65	3	Horizontal	283	1.06	-
AV	2.402G	101.59	Inf	-Inf	30.82	3	Horizontal	283	1.06	-
PK	2.3802G	55.55	74.00	-18.45	30.74	3	Horizontal	283	1.06	-
PK	2.4022G	102.33	Inf	-Inf	30.82	3	Horizontal	283	1.06	-

BT-BR(1Mbps)

2402MHz_TX

30/05/2018

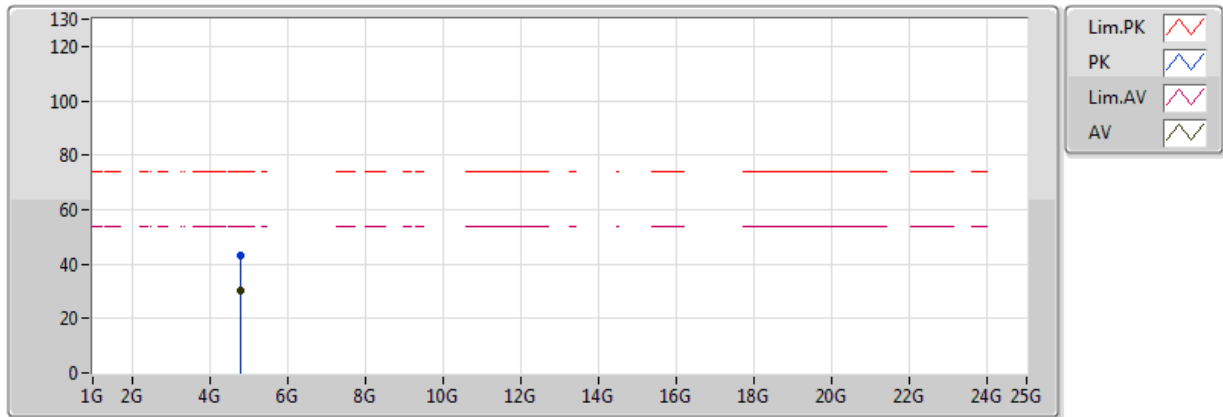


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.7941G	30.78	54.00	-23.22	2.02	3	Vertical	60	3.04	-
PK	4.80538G	43.15	74.00	-30.85	2.05	3	Vertical	60	3.04	-

BT-BR(1Mbps)

2402MHz_TX

30/05/2018

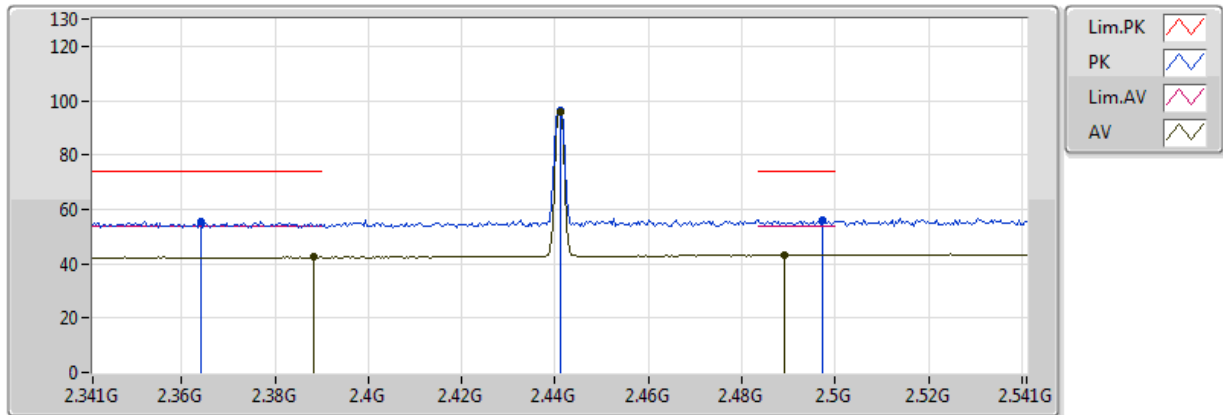


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.8061G	30.22	54.00	-23.78	2.05	3	Horizontal	138	1.21	-
PK	4.79416G	43.20	74.00	-30.80	2.02	3	Horizontal	138	1.21	-

BT-BR(1Mbps)

2441MHz_TX

30/05/2018

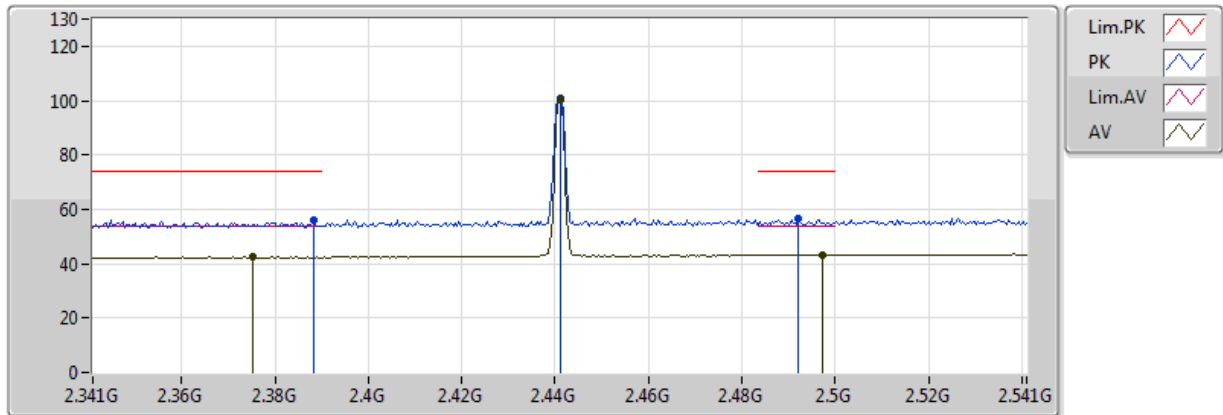


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3882G	42.41	54.00	-11.59	30.77	3	Vertical	280	2.82	-
AV	2.441G	95.67	Inf	-Inf	30.96	3	Vertical	280	2.82	-
AV	2.489G	43.26	54.00	-10.74	31.13	3	Vertical	280	2.82	-
PK	2.3642G	55.73	74.00	-18.27	30.68	3	Vertical	280	2.82	-
PK	2.441G	96.49	Inf	-Inf	30.96	3	Vertical	280	2.82	-
PK	2.4974G	56.31	74.00	-17.69	31.16	3	Vertical	280	2.82	-

BT-BR(1Mbps)

2441MHz_TX

30/05/2018

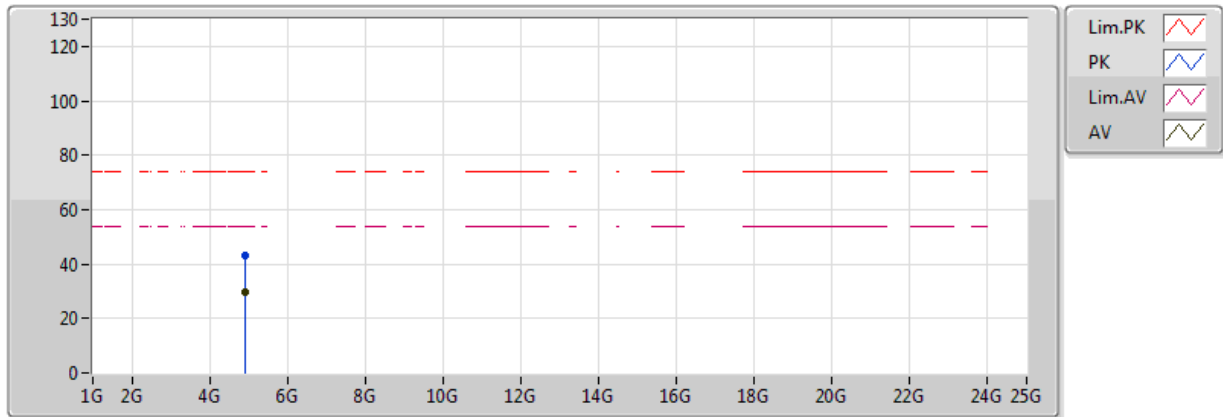


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3754G	42.44	54.00	-11.56	30.72	3	Horizontal	279	1.03	-
AV	2.441G	100.41	Inf	-Inf	30.96	3	Horizontal	279	1.03	-
AV	2.4974G	43.24	54.00	-10.76	31.16	3	Horizontal	279	1.03	-
PK	2.3882G	56.26	74.00	-17.74	30.77	3	Horizontal	279	1.03	-
PK	2.441G	101.12	Inf	-Inf	30.96	3	Horizontal	279	1.03	-
PK	2.4922G	56.55	74.00	-17.45	31.14	3	Horizontal	279	1.03	-

BT-BR(1Mbps)

2441MHz_TX

30/05/2018

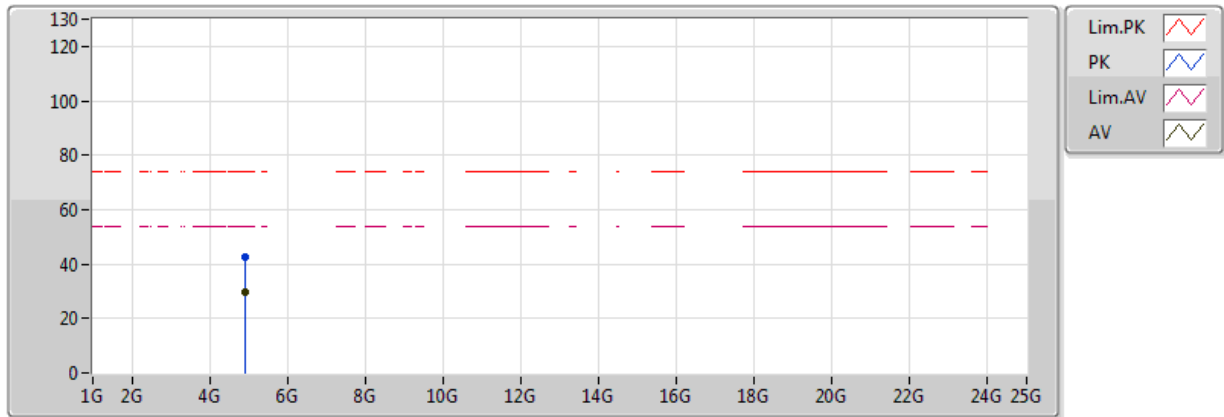


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.9312G	29.64	54.00	-24.36	2.32	3	Vertical	276	1.04	-
PK	4.9282G	43.01	74.00	-30.99	2.31	3	Vertical	276	1.04	-

BT-BR(1Mbps)

2441MHz_TX

30/05/2018

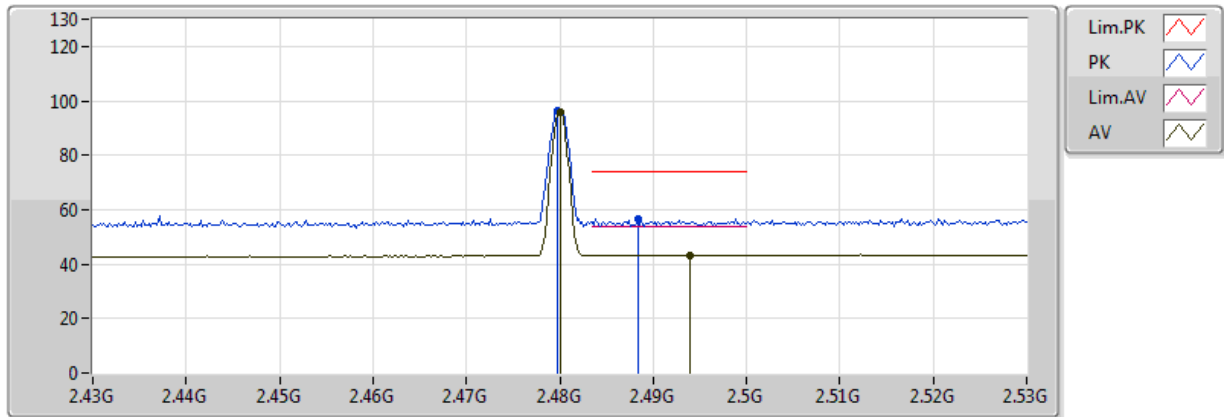


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.931G	29.81	54.00	-24.19	2.32	3	Horizontal	346	1.37	-
PK	4.9272G	42.77	74.00	-31.23	2.31	3	Horizontal	346	1.37	-

BT-BR(1Mbps)

2480MHz_TX

30/05/2018

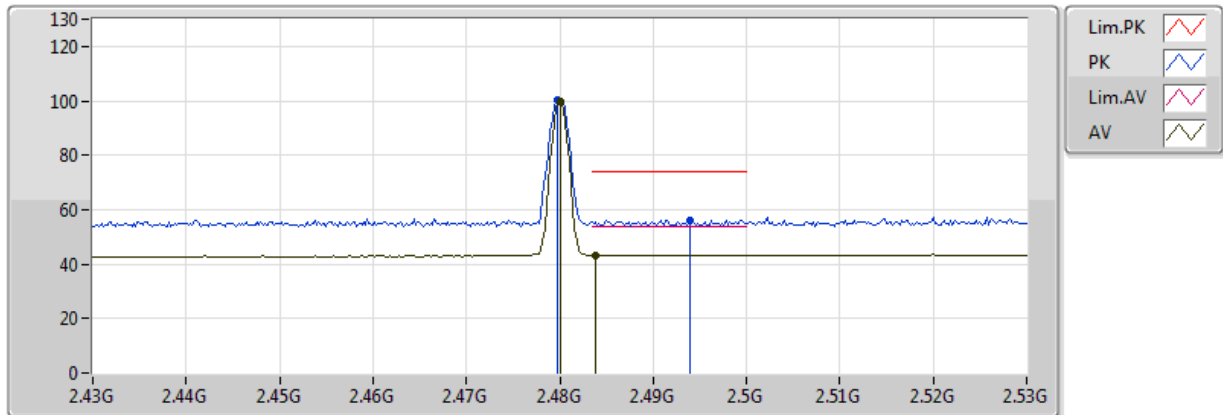


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.48G	95.78	Inf	-Inf	31.10	3	Vertical	271	3.09	-
AV	2.494G	43.32	54.00	-10.68	31.15	3	Vertical	271	3.09	-
PK	2.4798G	96.49	Inf	-Inf	31.10	3	Vertical	271	3.09	-
PK	2.4884G	56.86	74.00	-17.14	31.13	3	Vertical	271	3.09	-

BT-BR(1Mbps)

2480MHz_TX

30/05/2018

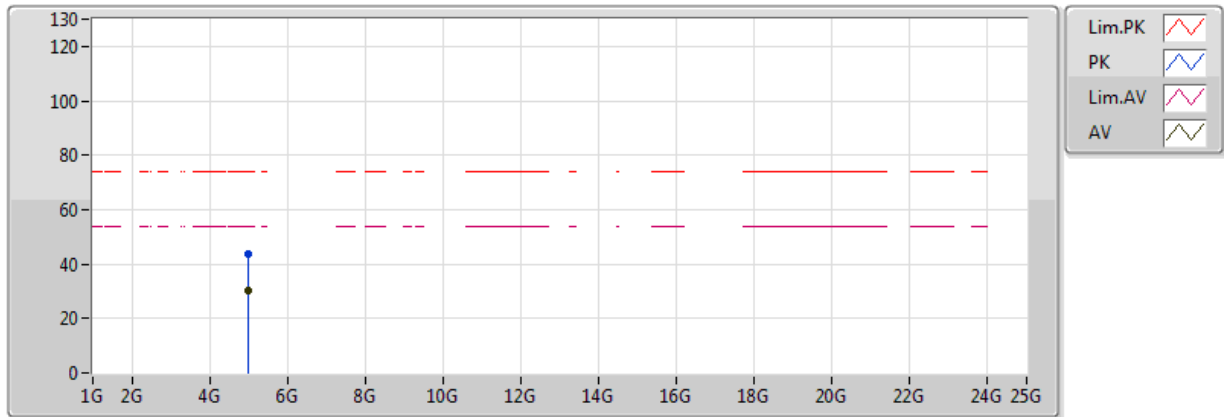


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.48G	99.53	Inf	-Inf	31.10	3	Horizontal	297	1.09	-
AV	2.4838G	43.39	54.00	-10.61	31.11	3	Horizontal	297	1.09	-
PK	2.4798G	100.24	Inf	-Inf	31.10	3	Horizontal	297	1.09	-
PK	2.494G	56.25	74.00	-17.75	31.15	3	Horizontal	297	1.09	-

BT-BR(1Mbps)

2480MHz_TX

30/05/2018

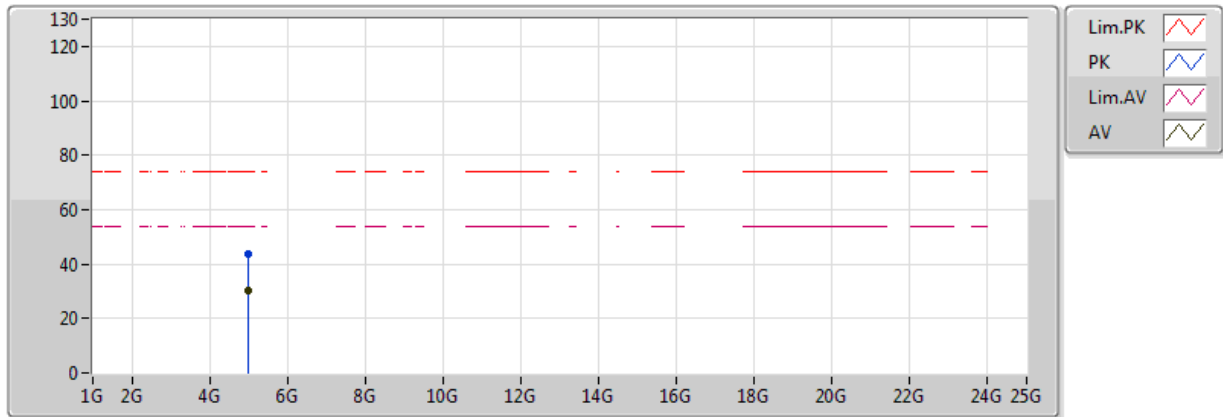


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.984G	30.08	54.00	-23.92	2.43	3	Vertical	66	1.01	-
PK	4.9844G	43.55	74.00	-30.45	2.44	3	Vertical	66	1.01	-

BT-BR(1Mbps)

2480MHz_TX

30/05/2018

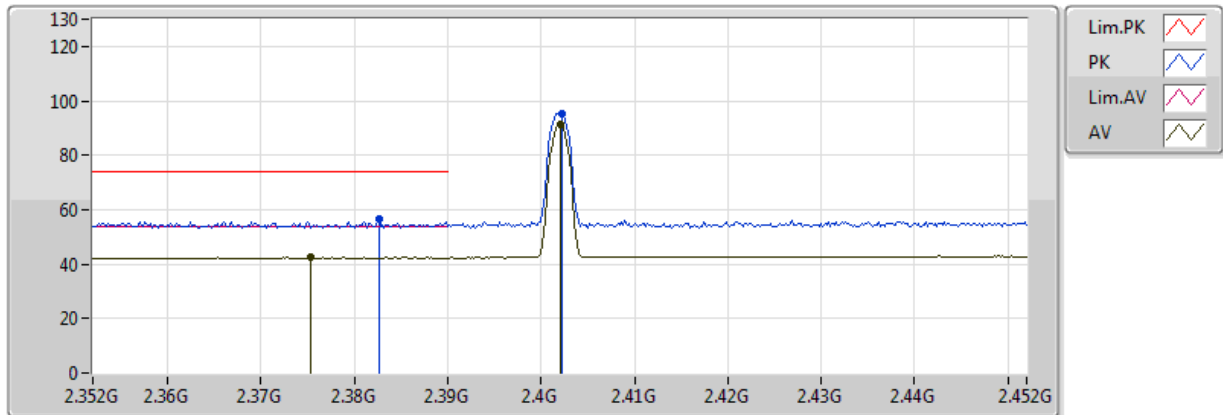


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.9988G	30.05	54.00	-23.95	2.47	3	Horizontal	10	1.53	-
PK	4.99G	43.57	74.00	-30.43	2.45	3	Horizontal	10	1.53	-

BT-EDR(2Mbps)

2402MHz_TX

30/05/2018

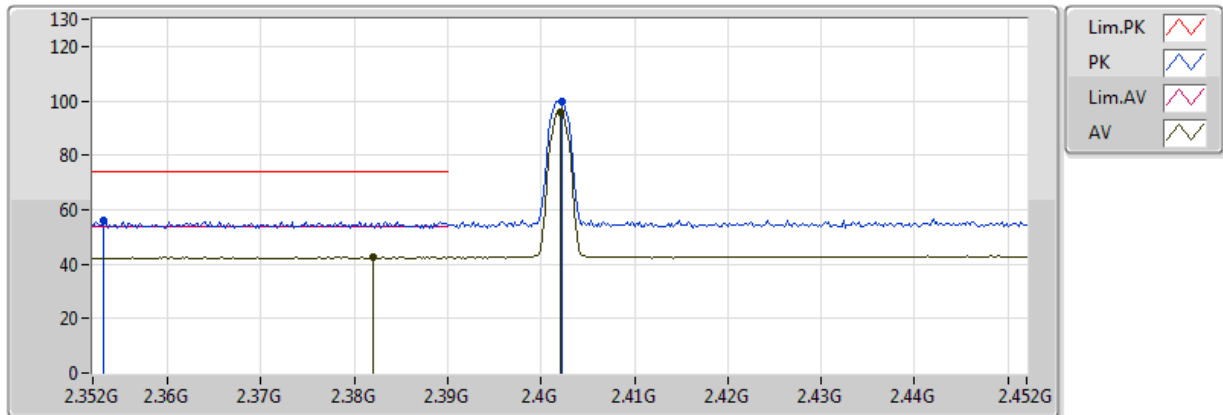


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3754G	42.39	54.00	-11.61	30.72	3	Vertical	268	2.92	-
AV	2.402G	91.18	Inf	-Inf	30.82	3	Vertical	268	2.92	-
PK	2.3826G	56.54	74.00	-17.46	30.75	3	Vertical	268	2.92	-
PK	2.4022G	95.33	Inf	-Inf	30.82	3	Vertical	268	2.92	-

BT-EDR(2Mbps)

2402MHz_TX

30/05/2018

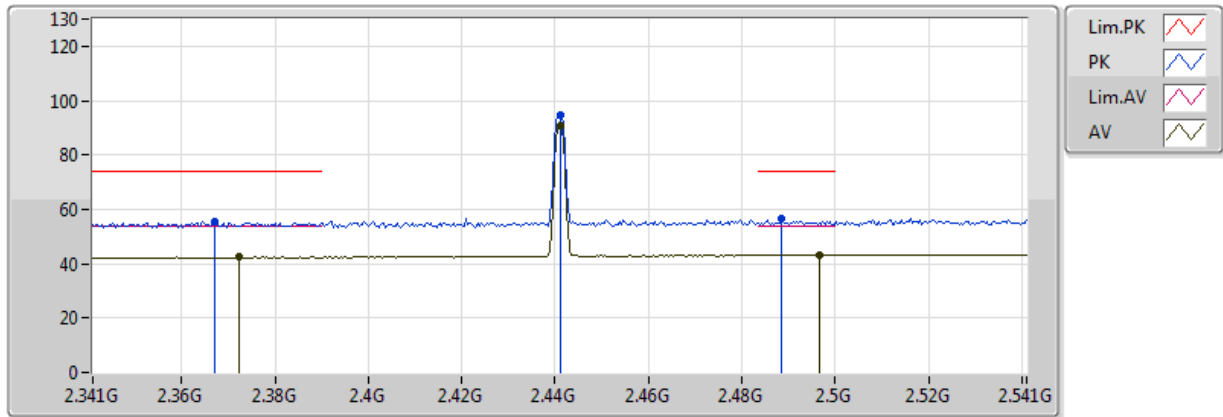


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.382G	42.55	54.00	-11.45	30.75	3	Horizontal	270	1.04	-
AV	2.402G	95.87	Inf	-Inf	30.82	3	Horizontal	270	1.04	-
PK	2.3532G	56.15	74.00	-17.85	30.65	3	Horizontal	270	1.04	-
PK	2.4022G	99.93	Inf	-Inf	30.82	3	Horizontal	270	1.04	-

BT-EDR(2Mbps)

2441MHz_TX

30/05/2018

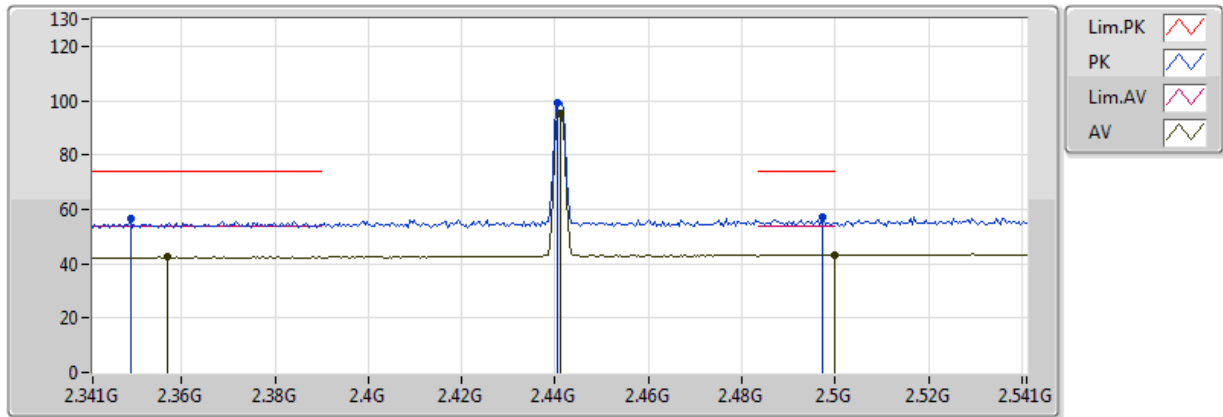


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3722G	42.43	54.00	-11.57	30.71	3	Vertical	273	2.81	-
AV	2.441G	90.53	Inf	-Inf	30.96	3	Vertical	273	2.81	-
AV	2.4966G	43.14	54.00	-10.86	31.16	3	Vertical	273	2.81	-
PK	2.367G	55.36	74.00	-18.64	30.70	3	Vertical	273	2.81	-
PK	2.441G	94.50	Inf	-Inf	30.96	3	Vertical	273	2.81	-
PK	2.4886G	56.51	74.00	-17.49	31.13	3	Vertical	273	2.81	-

BT-EDR(2Mbps)

2441MHz_TX

30/05/2018

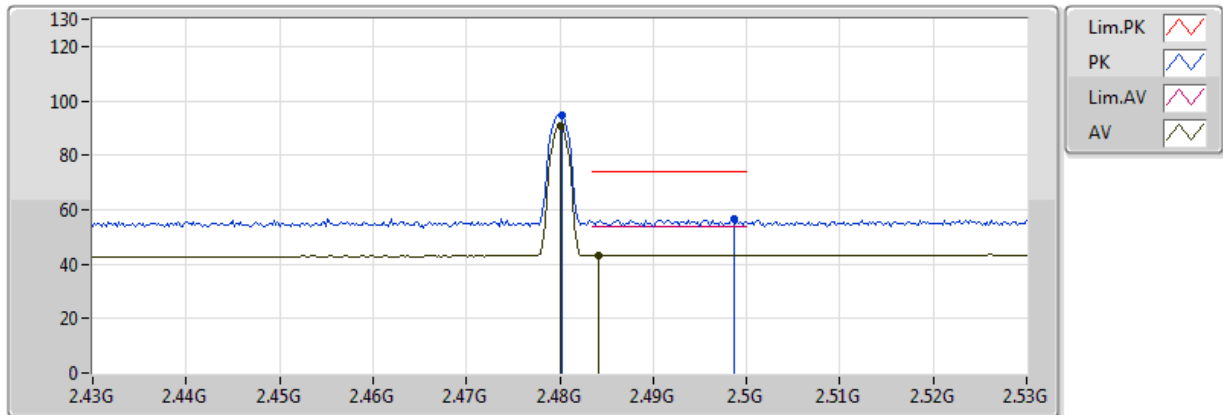


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.357G	42.46	54.00	-11.54	30.66	3	Horizontal	274	1.03	-
AV	2.441G	95.30	Inf	-Inf	30.96	3	Horizontal	274	1.03	-
AV	2.4998G	43.17	54.00	-10.83	31.17	3	Horizontal	274	1.03	-
PK	2.349G	56.35	74.00	-17.65	30.63	3	Horizontal	274	1.03	-
PK	2.4406G	99.32	Inf	-Inf	30.96	3	Horizontal	274	1.03	-
PK	2.4974G	57.19	74.00	-16.81	31.16	3	Horizontal	274	1.03	-

BT-EDR(2Mbps)

2480MHz_TX

30/05/2018

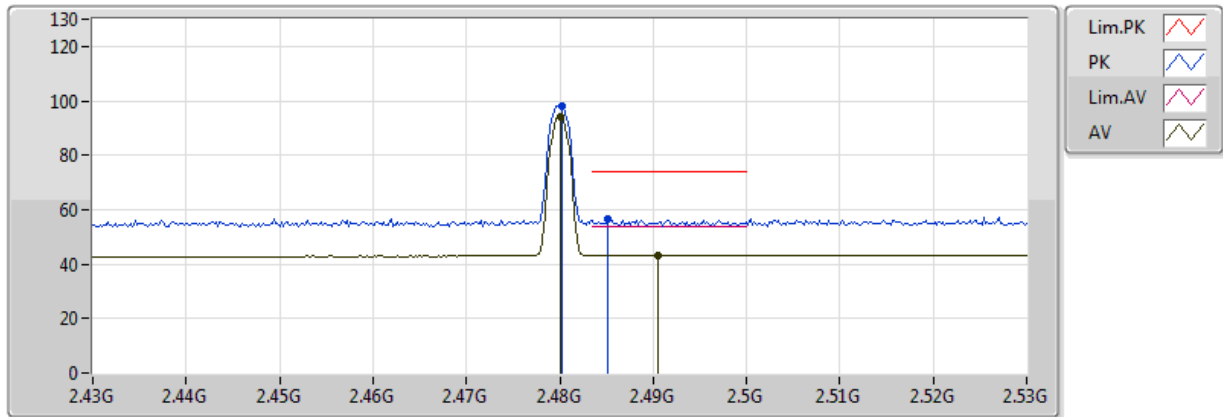


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.48G	90.57	Inf	-Inf	31.10	3	Vertical	268	3.11	-
AV	2.4842G	43.20	54.00	-10.80	31.12	3	Vertical	268	3.11	-
PK	2.4802G	94.62	Inf	-Inf	31.10	3	Vertical	268	3.11	-
PK	2.4986G	56.73	74.00	-17.27	31.17	3	Vertical	268	3.11	-

BT-EDR(2Mbps)

2480MHz_TX

30/05/2018

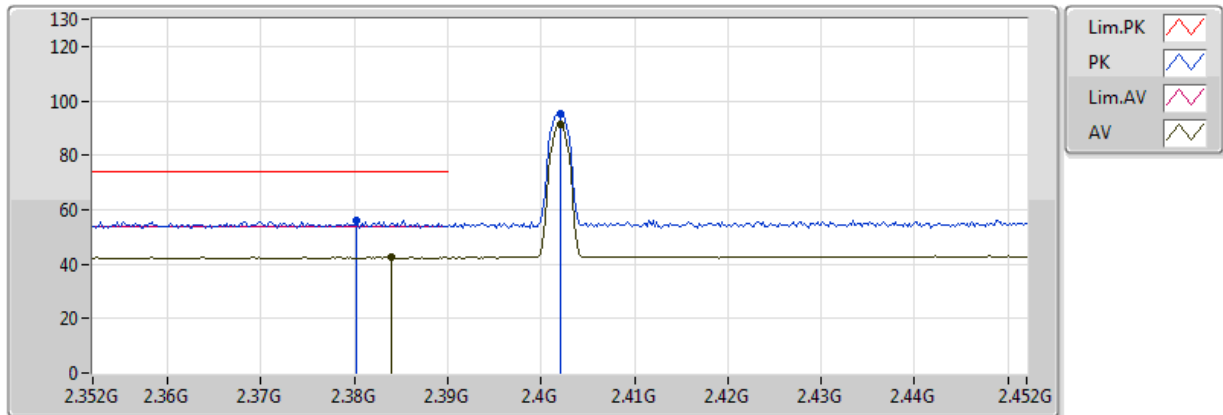


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.48G	94.20	Inf	-Inf	31.10	3	Horizontal	288	1.09	-
AV	2.4906G	43.38	54.00	-10.62	31.13	3	Horizontal	288	1.09	-
PK	2.4802G	98.26	Inf	-Inf	31.10	3	Horizontal	288	1.09	-
PK	2.4852G	56.42	74.00	-17.58	31.12	3	Horizontal	288	1.09	-

BT-EDR(3Mbps)

2402MHz_TX

30/05/2018

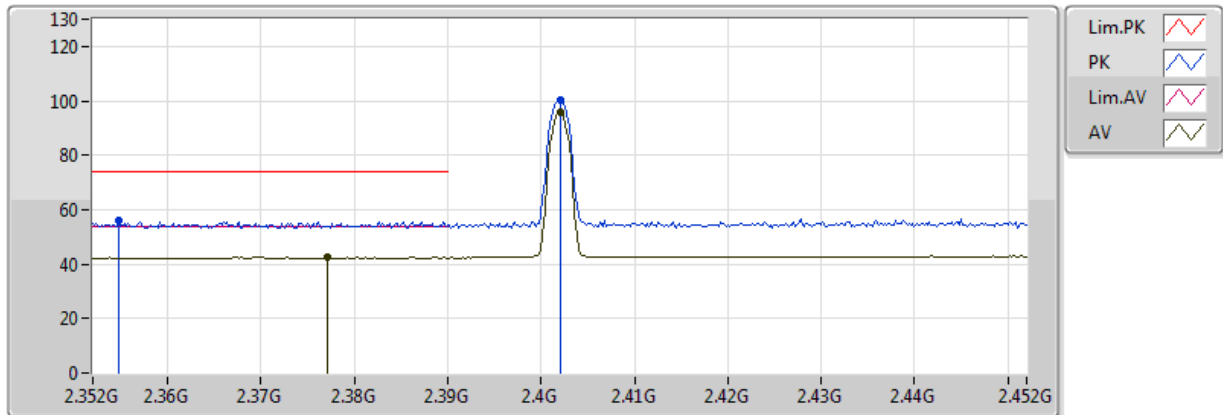


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.384G	42.51	54.00	-11.49	30.76	3	Vertical	263	2.92	-
AV	2.402G	91.12	Inf	-Inf	30.82	3	Vertical	263	2.92	-
PK	2.3802G	55.91	74.00	-18.09	30.74	3	Vertical	263	2.92	-
PK	2.402G	95.33	Inf	-Inf	30.82	3	Vertical	263	2.92	-

BT-EDR(3Mbps)

2402MHz_TX

30/05/2018

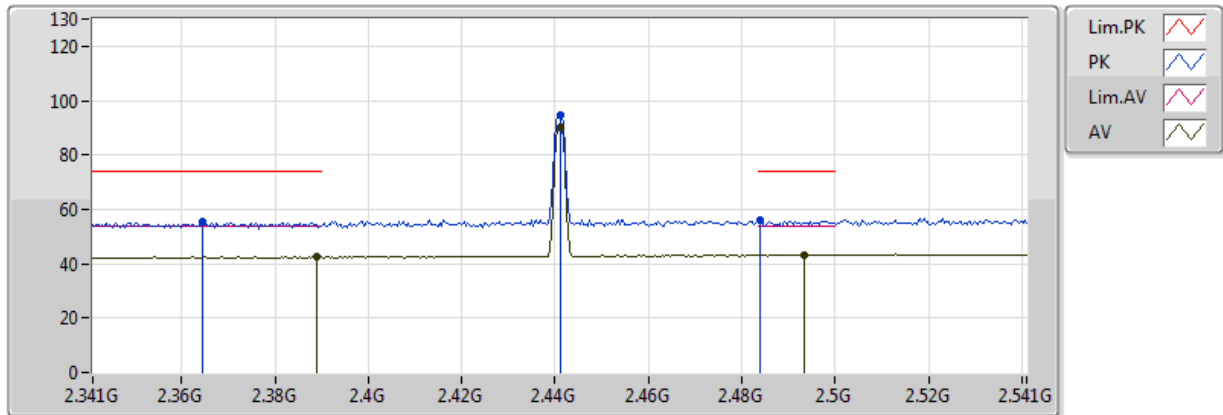


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3772G	42.52	54.00	-11.48	30.73	3	Horizontal	264	1.04	-
AV	2.402G	95.80	Inf	-Inf	30.82	3	Horizontal	264	1.04	-
PK	2.3548G	55.76	74.00	-18.24	30.65	3	Horizontal	264	1.04	-
PK	2.402G	100.05	Inf	-Inf	30.82	3	Horizontal	264	1.04	-

BT-EDR(3Mbps)

2441MHz_TX

30/05/2018

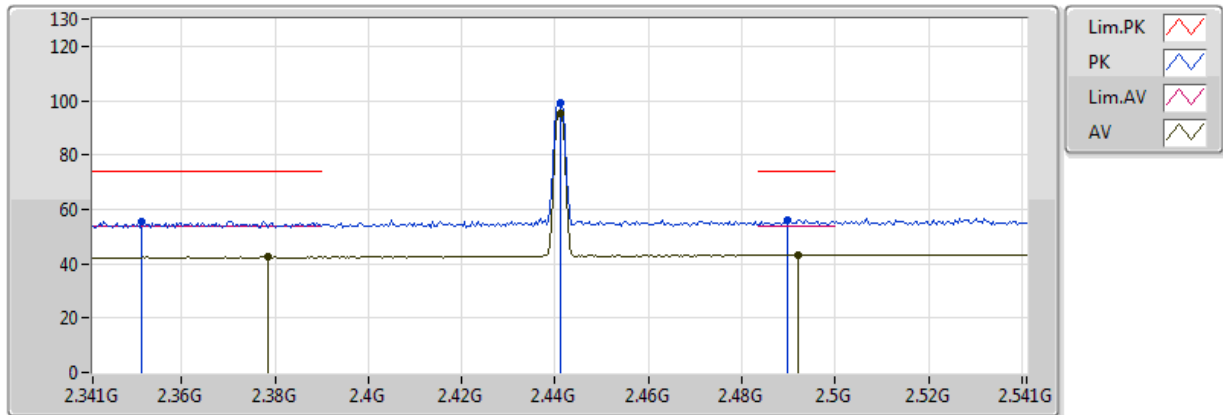


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.389G	42.42	54.00	-11.58	30.77	3	Vertical	270	2.81	-
AV	2.441G	90.43	Inf	-Inf	30.96	3	Vertical	270	2.81	-
AV	2.4934G	43.28	54.00	-10.72	31.14	3	Vertical	270	2.81	-
PK	2.3646G	55.21	74.00	-18.79	30.69	3	Vertical	270	2.81	-
PK	2.441G	94.67	Inf	-Inf	30.96	3	Vertical	270	2.81	-
PK	2.4838G	56.17	74.00	-17.83	31.11	3	Vertical	270	2.81	-

BT-EDR(3Mbps)

2441MHz_TX

30/05/2018

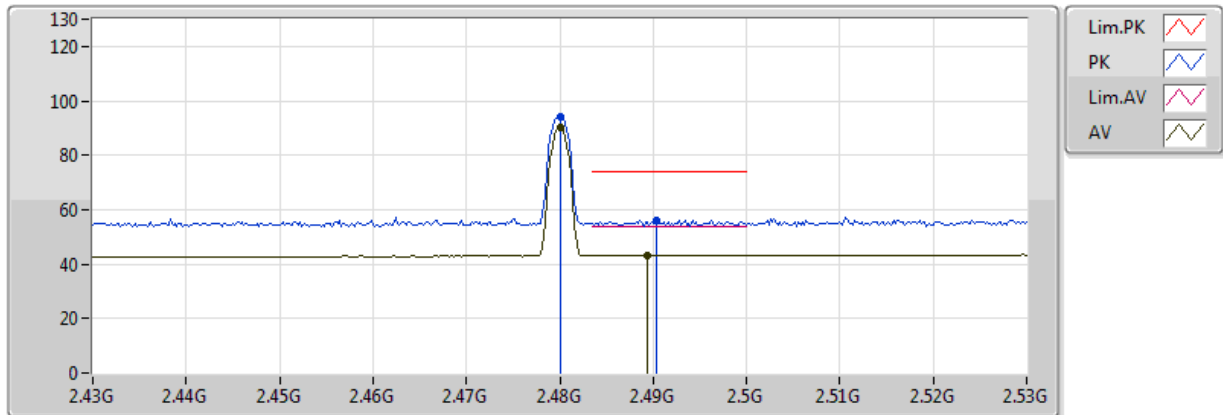


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3786G	42.41	54.00	-11.59	30.74	3	Horizontal	269	1.03	-
AV	2.441G	95.12	Inf	-Inf	30.96	3	Horizontal	269	1.03	-
AV	2.4922G	43.14	54.00	-10.86	31.14	3	Horizontal	269	1.03	-
PK	2.3514G	55.53	74.00	-18.47	30.64	3	Horizontal	269	1.03	-
PK	2.441G	99.41	Inf	-Inf	30.96	3	Horizontal	269	1.03	-
PK	2.4898G	56.03	74.00	-17.97	31.13	3	Horizontal	269	1.03	-

BT-EDR(3Mbps)

2480MHz_TX

30/05/2018

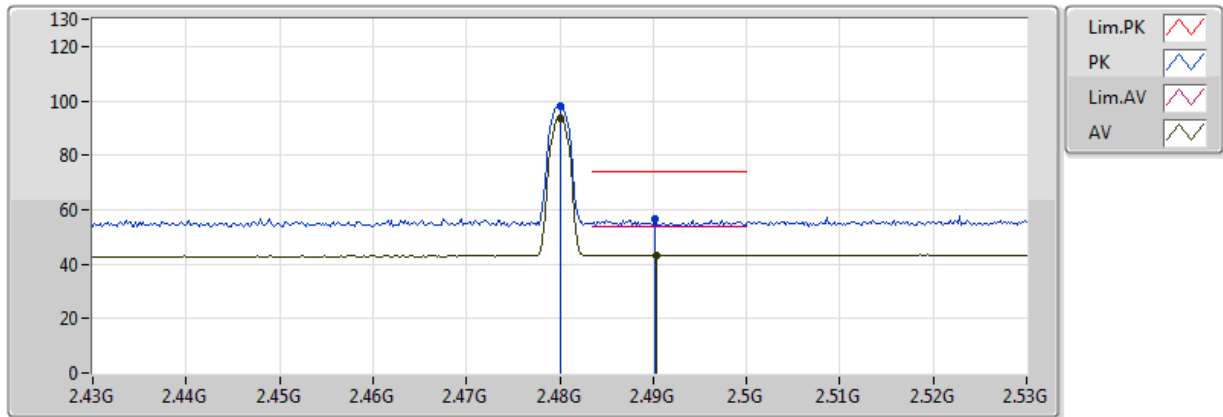


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.48G	90.09	Inf	-Inf	31.10	3	Vertical	263	3.10	-
AV	2.4894G	43.23	54.00	-10.77	31.13	3	Vertical	263	3.10	-
PK	2.48G	94.34	Inf	-Inf	31.10	3	Vertical	263	3.10	-
PK	2.4904G	56.22	74.00	-17.78	31.13	3	Vertical	263	3.10	-

BT-EDR(3Mbps)

2480MHz_TX

30/05/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.48G	93.80	Inf	-Inf	31.10	3	Horizontal	289	1.08	-
AV	2.4904G	43.40	54.00	-10.60	31.13	3	Horizontal	289	1.08	-
PK	2.48G	98.08	Inf	-Inf	31.10	3	Horizontal	289	1.08	-
PK	2.4902G	56.85	74.00	-17.15	31.13	3	Horizontal	289	1.08	-