



FCC RADIO TEST REPORT

FCC ID : NKRRXAM-JD1
Equipment : 802.11 abgn/ac/ax Access Point
Brand Name : WNC
Model Name : RXAM-JD1
Applicant : Wistron NeWeb Corporation
20 Park Avenue II, Hsinchu Science Park, Hsinchu 308 Taiwan
Manufacturer : Wistron NeWeb Corporation
20 Park Avenue II, Hsinchu Science Park, Hsinchu 308 Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on May 26, 2020, and testing was started from May 26, 2020 and completed on Jun. 23, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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


Approved by: Sam Chen

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Information.....	5
1.2 Applicable Standards	7
1.3 Testing Location Information	7
1.4 Measurement Uncertainty	7
2 Test Configuration of EUT.....	8
2.1 Test Channel Mode	8
2.2 The Worst Case Measurement Configuration.....	9
2.3 EUT Operation during Test	10
2.4 Accessories	10
2.5 Support Equipment.....	11
2.6 Test Setup Diagram	12
3 Transmitter Test Result	15
3.1 AC Power-line Conducted Emissions	15
3.2 20dB Bandwidth and Carrier Frequency Separation.....	17
3.3 Maximum Conducted Output Power	18
3.4 Number of Hopping Frequencies and Hopping Bandedge	19
3.5 Time of Occupancy (Dwell Time)	20
3.6 Emissions in Non-restricted Frequency Bands	21
3.7 Emissions in Restricted Frequency Bands.....	22
4 Test Equipment and Calibration Data	25
Appendix A. Test Results of AC Power-line Conducted Emissions	
Appendix B. Test Results of 20dB Bandwidth AND Carrier Frequency Separation	
Appendix C. Test Results of Maximum Conducted Output Power	
Appendix D. Test Results of Number of Hopping Frequencies and Hopping Bandedge	
Appendix E. Test Results of Time of Occupancy (Dwell Time)	
Appendix F. Test Results of Emissions in Non-restricted Frequency Bands	
Appendix G. Test Results of Emissions in Restricted Frequency Bands	
Appendix H. Test Photos	
Photographs of EUT v01	



TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A10_5 Ver1.2



Summary of Test Result

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

Declaration of Conformity:

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

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen

Report Producer: Cindy Peng

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

Note:

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

1.1.2 Antenna Information

Ant.	Port		Brand	Model Name	Type	Connector	Gain (dBi)	
	WLAN 2.4GHz	WLAN 5GHz					WLAN 2.4GHz	WLAN 5GHz
1	2	3	WNC	95XKAM15.G20	PIFA	I-PEX	3.0	6.9
2	4	1	WNC	95XKAM15.G19	PIFA	I-PEX	3.0	6.2
3	3	2	WNC	95XKAM15.G18	PIFA	I-PEX	2.9	4.7
4	1	4	WNC	95XKAM15.G21	PIFA	I-PEX	4.4	6.7
Ant.	Port		Brand	Model Name	Type	Connector	Gain (dBi)	
							Bluetooth	
5	1		WNC	95XKAM15.G22	PIFA	I-PEX	6.8	

Note1: The above information was declared by manufacturer.

Note2: The EUT has five antennas.

For 2.4GHz WLAN function, 802.11b/g/n/VHT/ax mode (4TX/4RX):

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For 5GHz WLAN function, 802.11a/n/ac/ax mode (4TX/4RX):

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For Bluetooth function (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq$ 1/T
BT-BR (1Mbps)	0.75	1.25	2.949m	1k
BT-EDR (2Mbps)	0.785	1.05	2.888m	1k
BT-EDR (3Mbps)	0.79	1.02	2.917m	1k

Note:

- ♦ DC is Duty Cycle.
- ♦ DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From PoE
Test Software Version	DutApiMimoApApp V0.0.1.39



1.2 Applicable Standards

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

- ♦ 47 CFR FCC Part 15

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

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

1.3 Testing Location Information

Testing Location				
☐	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	TEL : 886-3-327-3456	FAX : 886-3-327-0973
☒	JHUBEI	ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.	TEL : 886-3-656-9065	FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Serway Li	25.4~26.6°C / 54~57%	Jun. 13, 2020~Jun. 23, 2020
Radiated Below 1GHz	03CH04-CB	Eason Chen	23.7~25.6°C / 63~70%	May 26, 2020
Radiated Above 1GHz	03CH02-CB	Eason Chen	24.8~26°C / 54~57%	Jun. 11, 2020~Jun. 19, 2020
AC Conduction	CO01-CB	Wei Li	24~25°C / 60~63%	May 27, 2020

Test site Designation No. TW0006 with FCC.

Test site registered number IC 4086D with Industry Canada.

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)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	5.1 dB	Confidence levels of 95%
Conducted Emission	2.4 dB	Confidence levels of 95%
Output Power Measurement	1.5 dB	Confidence levels of 95%
Bandwidth Measurement	2%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
BT-BR(1Mbps)	-
2402MHz	4
2440MHz	4
2480MHz	4
BT-EDR(2Mbps)	-
2402MHz	4
2440MHz	4
2480MHz	4
BT-EDR(3Mbps)	-
2402MHz	4
2440MHz	4
2480MHz	4

2.2 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	Normal Link (WLAN), CTX (Bluetooth)
1	WLAN 2.4GHz + WLAN 5GHz (Normal Link) + Bluetooth (CTX)

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	Normal Link (WLAN), CTX (Bluetooth)
1	WLAN 2.4GHz + WLAN 5GHz (Normal Link) + Bluetooth (CTX) - EUT in Z axis
2	WLAN 2.4GHz + WLAN 5GHz (Normal Link) + Bluetooth (CTX) - EUT in Y axis
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
1	EUT in Z axis
2	EUT in Y axis
Mode 2 has been evaluated to be the worst case after evaluating. Consequently, measurement will follow this same test mode.	



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz + Bluetooth
Refer to Sporton Test Report No.: FA052068 for Co-location RF Exposure Evaluation.	

Note: The PoE are for measurement only, would not be marketed.

PoE information as below:

Equipment	Brand Name	Model Name	FCC ID
PoE	Microsemi	PD-9001GR/AT/AC	N/A
PoE	PHOHING	POEA30U-1ATE	N/A

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

Bracket*1



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE	Microsemi	PD-9001GR/AT/AC	N/A
B	ETH0/PoE PC	DELL	T3400	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	ETH1/PoE PC	DELL	T3400	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE	Microsemi	PD-9001GR/AT/AC	N/A
B	PC	DELL	T3400	N/A
C	2.4G NB	DELL	E4300	N/A
D	5G NB	DELL	E4300	N/A

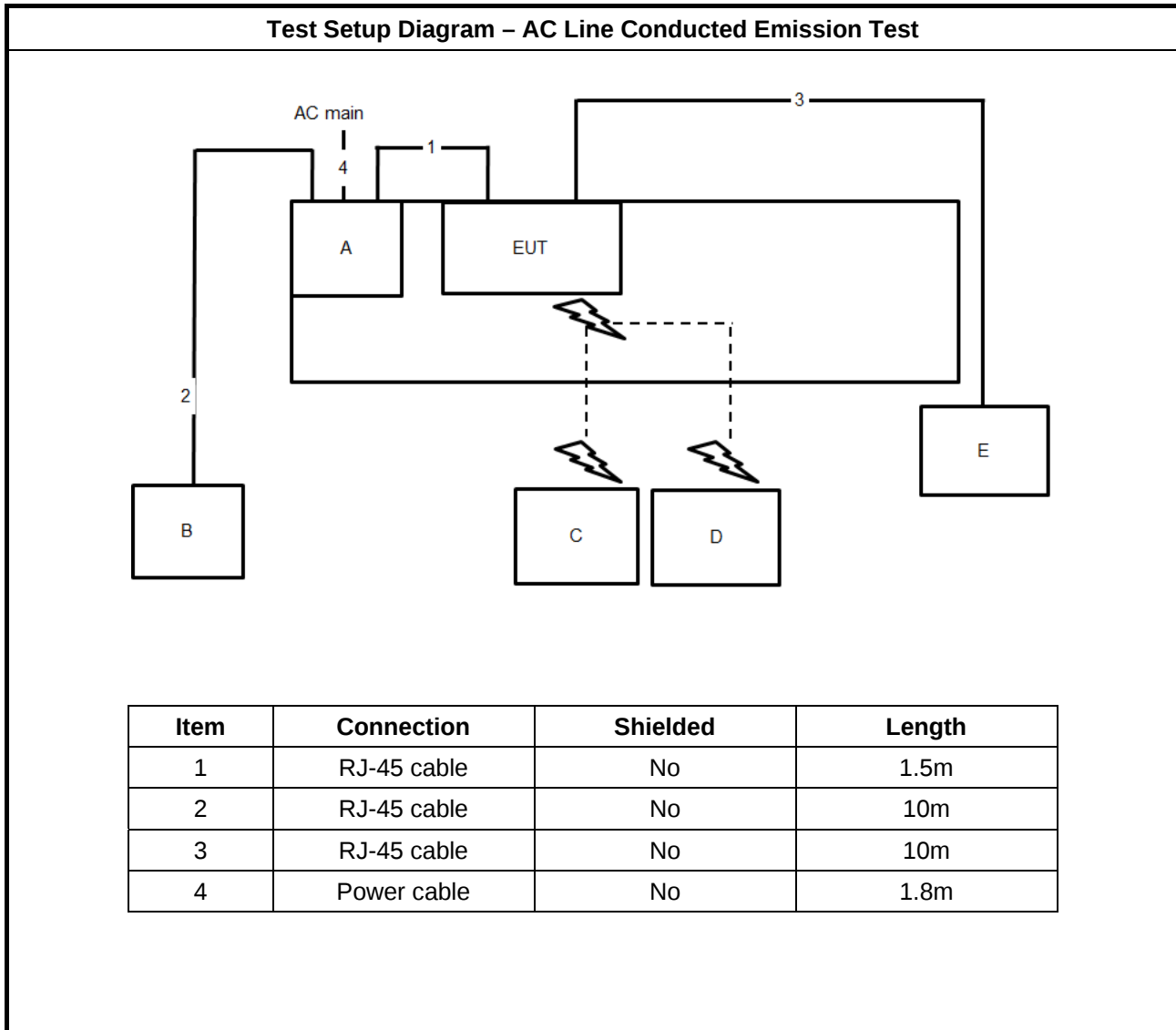
For Radiated (above 1GHz):

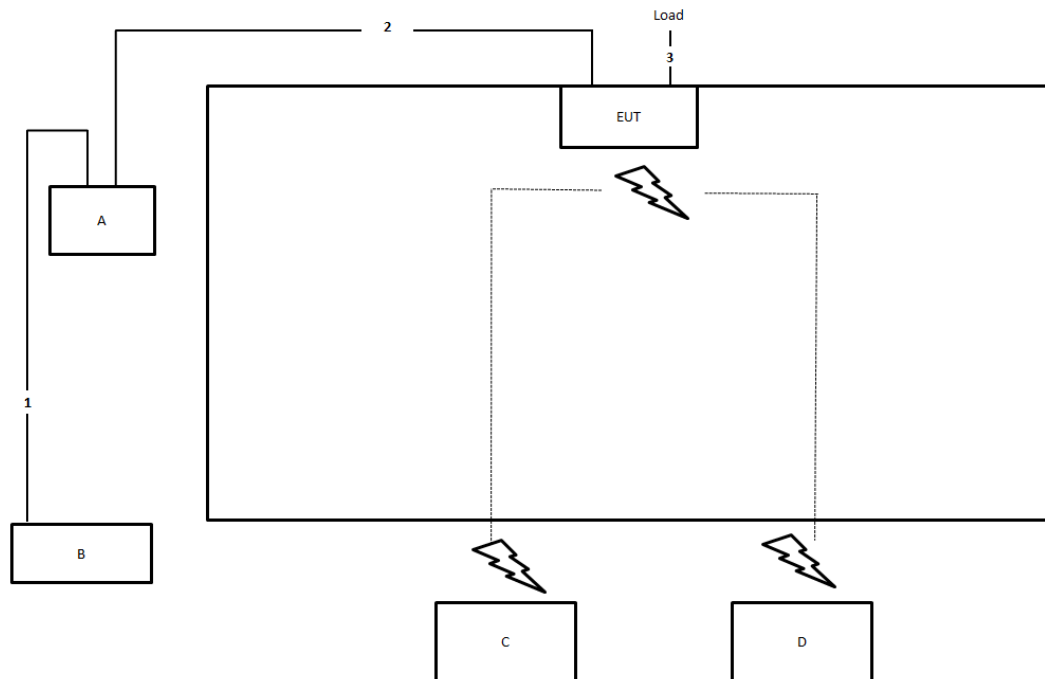
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE	PHOHING	POEA30U-1ATE	N/A
B	NB	DELL	E4300	N/A

For RF Conducted:

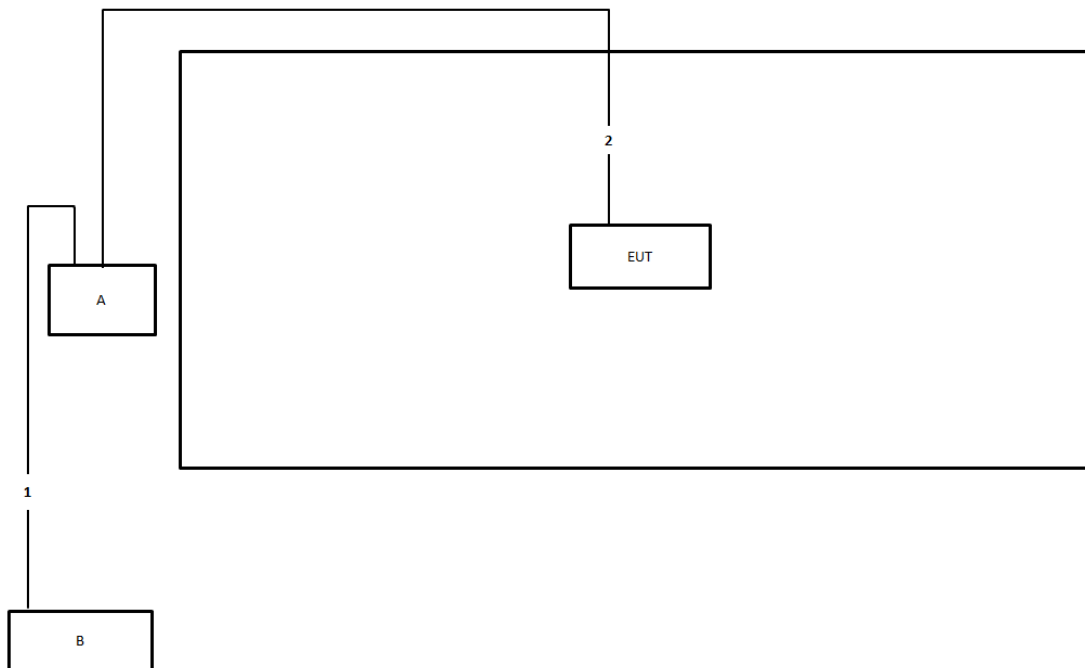
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE	Microsemi	PD-9001GR/AT/AC	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	RJ-45 cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz


Item	Connection	Shielded	Length
1	RJ-45 cable	No	1.5m
2	RJ-45 cable	No	10m



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

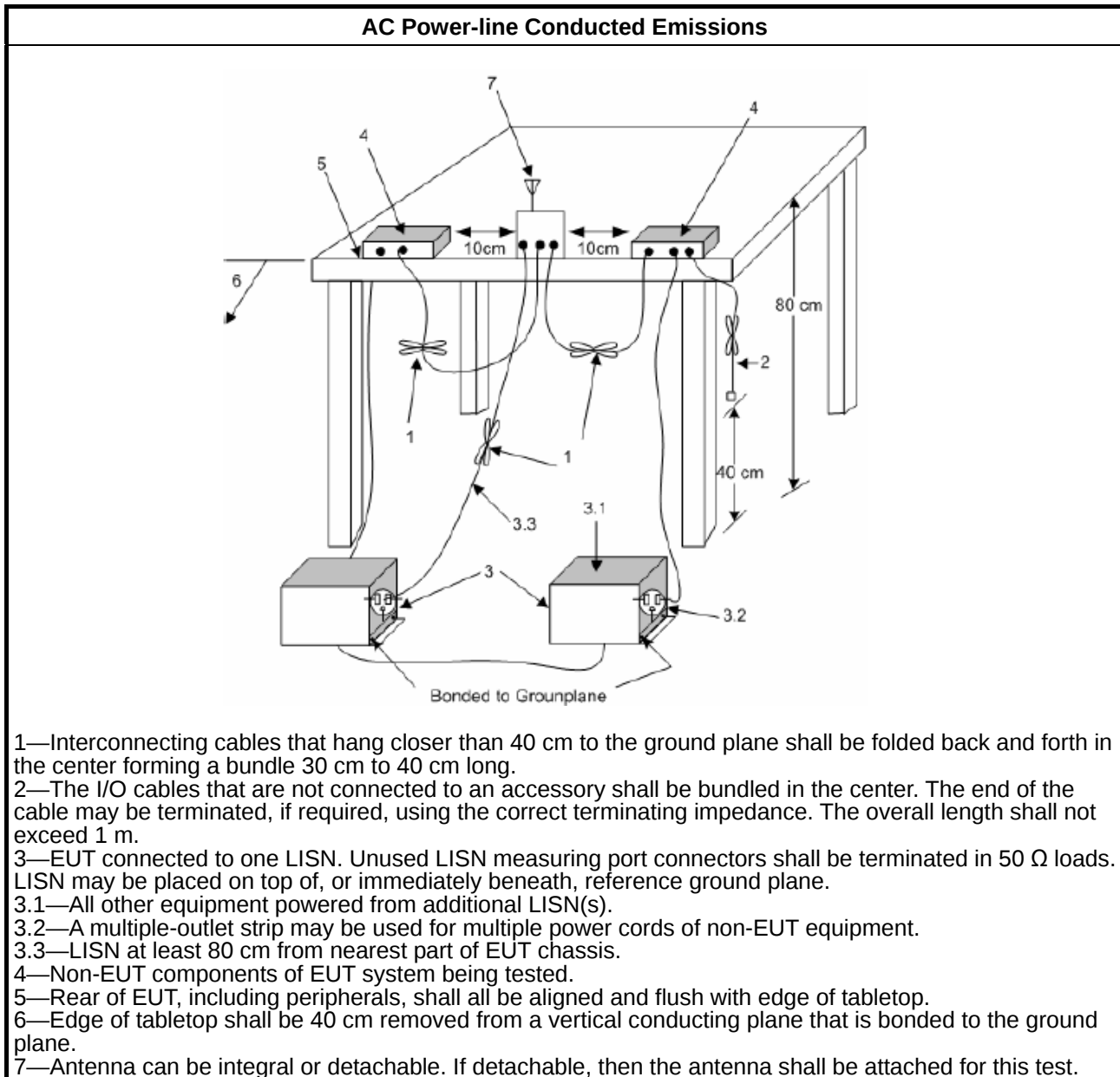
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



1.1.1. Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading (dBuV) = LISN Factor + Cable Loss + Read Level = Level
- Margin = - Limit + (Read Level + LISN Factor + Cable Loss)

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	
▪ 902-928 MHz Band:	
	▪ $N \geq 50$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 250 kHz.
	▪ $50 > N \geq 25$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $>$ 250 kHz.
▪ 2400-2483.5 MHz Band:	
	▪ $N \geq 75$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz).
	▪ $75 > N \geq 15$ and $ChS \geq \text{MAX}$ (20 dB bandwidth 2/3, 25 kHz).
▪ 5725-5850 MHz Band:	
	▪ $N \geq 75$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 1 MHz.
N: Number of Hopping Frequencies; ChS: Hopping Channel Separation	

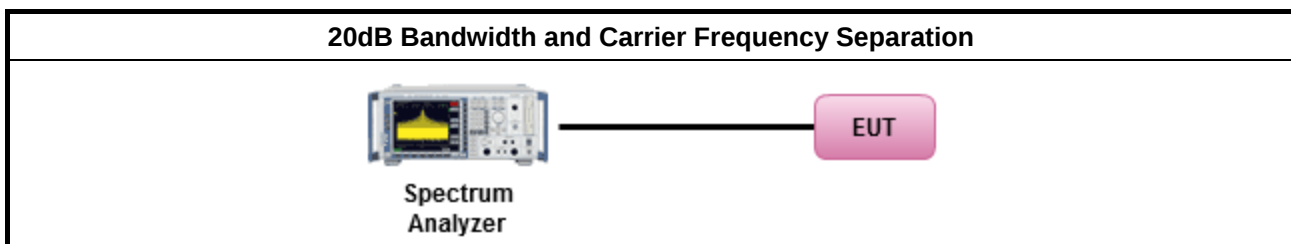
3.2.2 Measuring Instruments

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 6.9.1 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	
▪ 902-928 MHz Band:	
	▪ $N \geq 50$; Power 30dBm; EIRP 36dBm
	▪ $50 > N \geq 25$; Power 24dBm; EIRP 30dBm
▪ 2400-2483.5 MHz Band:	
	▪ $N \geq 75$; Power 30dBm; EIRP 36dBm
	▪ $75 > N \geq 15$; Power 21dBm; EIRP 27dBm
▪ 5725-5850 MHz Band:	
	▪ $N \geq 75$; Power 30dBm; EIRP 36dBm
N: Number of Hopping Frequencies	

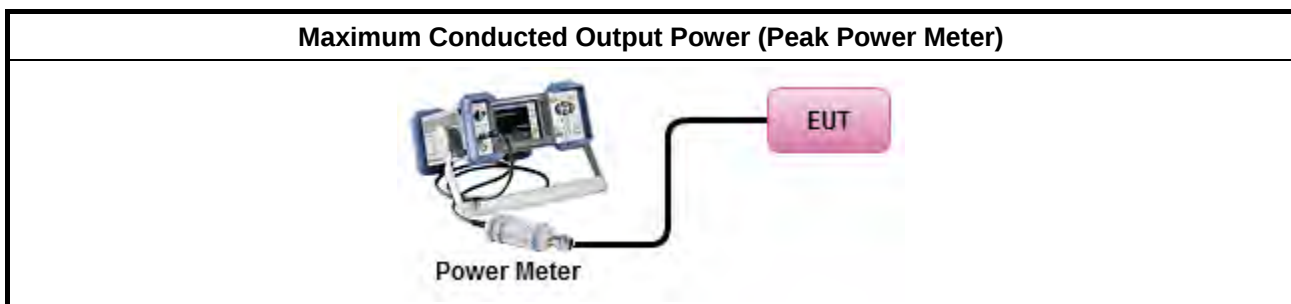
3.3.2 Measuring Instruments

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	
▪ 902-928 MHz Band:	
	▪ $N \geq 50$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 250 kHz.
	▪ $50 > N \geq 25$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $>$ 250 kHz.
▪ 2400-2483.5 MHz Band:	
	▪ $N \geq 75$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz).
	▪ $75 > N \geq 15$ and $ChS \geq \text{MAX}$ (20 dB bandwidth 2/3, 25 kHz).
▪ 5725-5850 MHz Band:	
	▪ $N \geq 75$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 1 MHz.
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

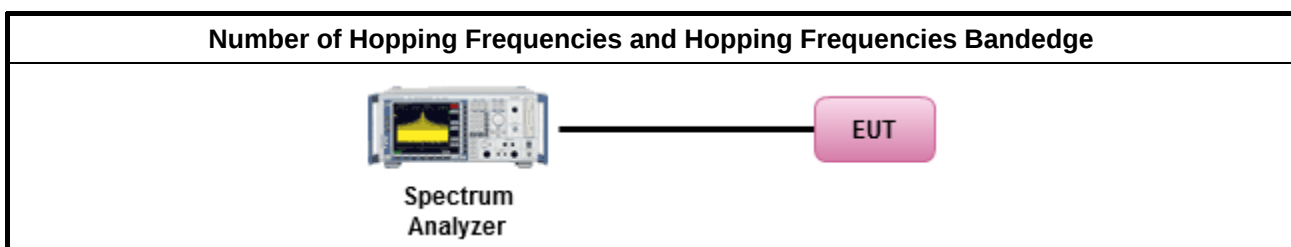
3.4.3 Measuring Instruments

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

20dB Bandwidth and Carrier Frequency Separation Limit for Frequency Hopping Systems	
▪ 902-928 MHz Band:	
	▪ $N \geq 50$; 0.4s in 20s period
	▪ $50 > N \geq 25$; 0.4s in 10s period
▪ 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
▪ 5725-5850 MHz Band:	
	▪ $N \geq 75$; 0.4s in 30s period
N: Number of Hopping Frequencies	

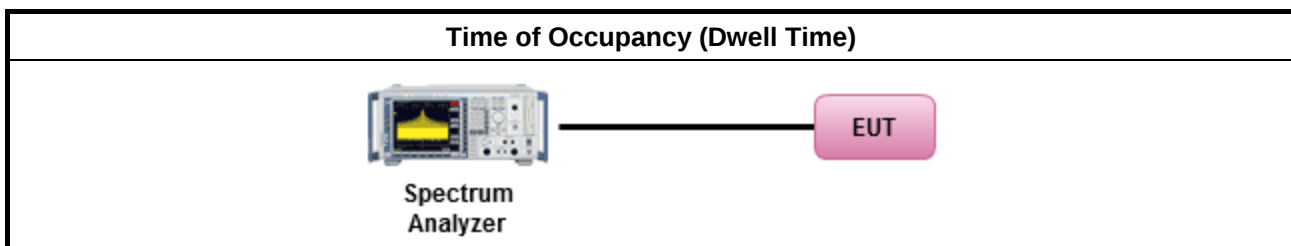
3.5.2 Measuring Instruments

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

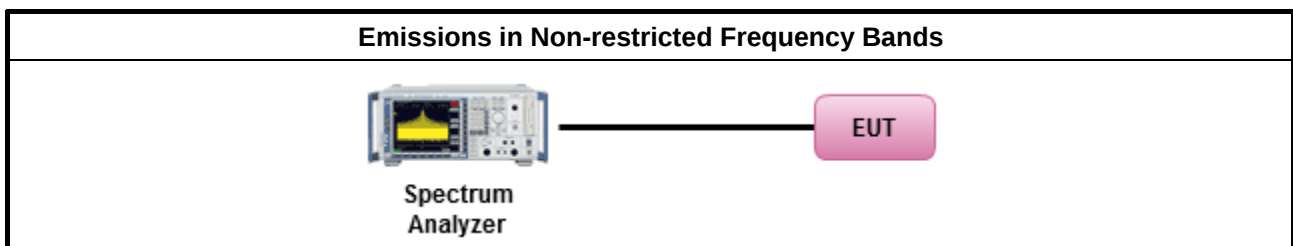
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

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

3.6.4 Test Setup



3.6.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix F



3.7 Emissions in Restricted Frequency Bands

3.7.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

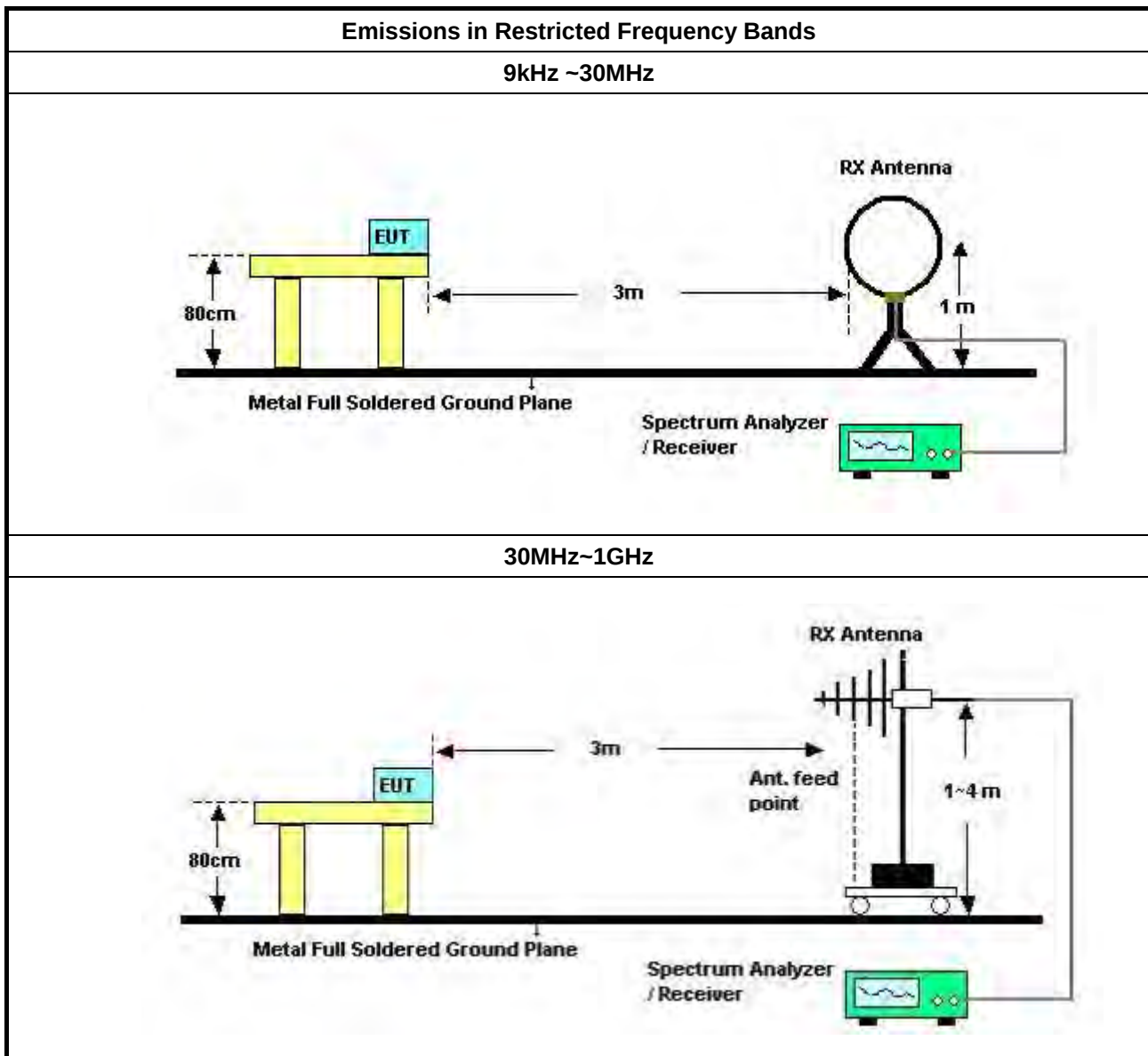
3.7.2 Measuring Instruments

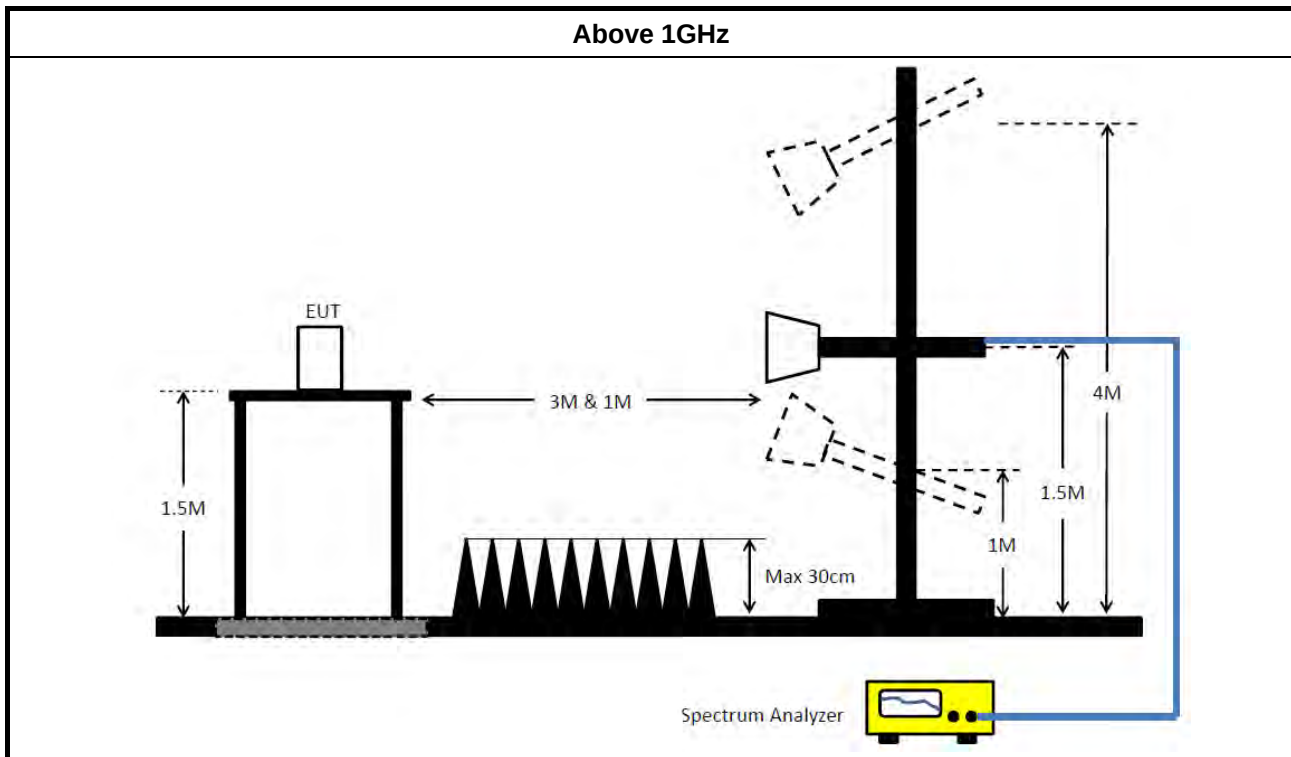
Refer a test equipment and calibration data table in this test report.

3.7.3 Test Procedures

Test Method	
▪ The average emission levels shall be measured in [hopping duty factor].	
▪ Refer as ANSI C63.10; clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
▪ For the transmitter unwanted emissions shall be measured using following options below:	
	▪ Refer as ANSI C63.10, clause 4.1.4.2.1 QP value.
	▪ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak.
	▪ Refer as ANSI C63.10, clause 4.1.4.2.4 average value of hopping pulsed emissions.

3.7.4 Test Setup





3.7.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamplifier Factor (if applicable) = Level.

3.7.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

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

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10 harmonic or 40 GHz, whichever is appropriate.

3.7.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix G



4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Feb. 26, 2020	Feb. 25, 2021	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 25, 2019	Dec. 24, 2020	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Feb. 25, 2020	Feb. 24, 2021	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 31, 2020	Jan. 30, 2021	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 20, 2020	May 19, 2021	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 13, 2020	Apr. 12, 2021	Radiation (03CH04-CB)
BILOG ANTENNA with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	22021&AT-N0 607	30MHz ~ 1GHz	Oct. 12, 2019	Oct. 11, 2020	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	310N	187291	0.1MHz ~ 1GHz	Mar. 19, 2020	Mar. 18, 2021	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Dec. 18, 2019	Dec. 17, 2020	Radiation (03CH04-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 13, 2020	May 12, 2021	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+22	30MHz ~ 1GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH04-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 21, 2020	Apr. 20, 2021	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 27, 2019	Jun. 26, 2020	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Aug. 21, 2019	Aug. 20, 2020	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH02-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Aug. 15, 2019	Aug. 14, 2020	Radiation (03CH02-CB)
High Cable	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH02-CB)
High Cable	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 05, 2020	May 04, 2021	Conducted (TH01-CB)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz –26.5 GHz	Nov. 18, 2019	Nov. 17, 2020	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 07, 2020	Feb. 06, 2021	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 07, 2020	Feb. 06, 2021	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.

N.C.R. means Non-Calibration required.



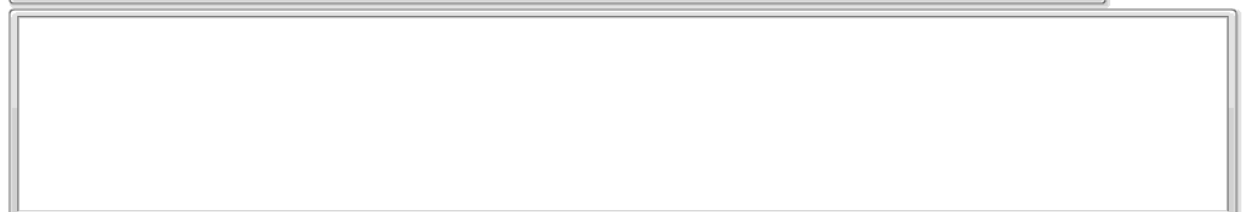
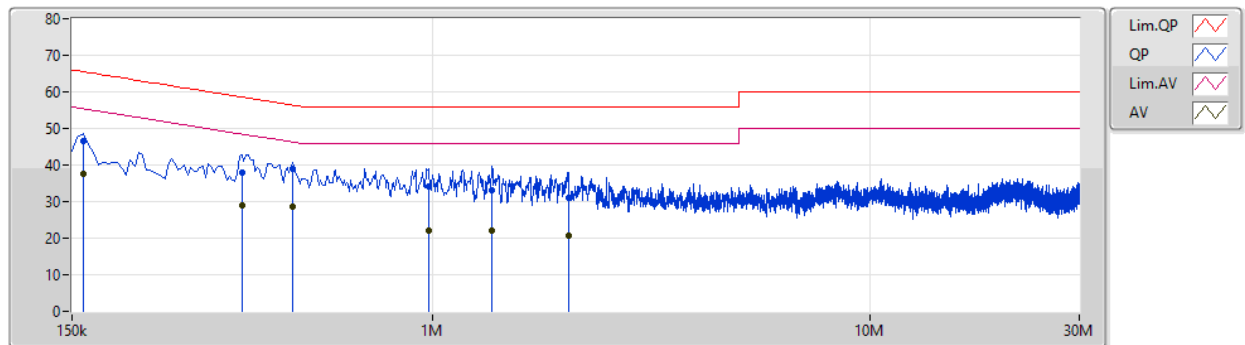
AC Power Port Conducted Emission Result

Appendix A

Summary

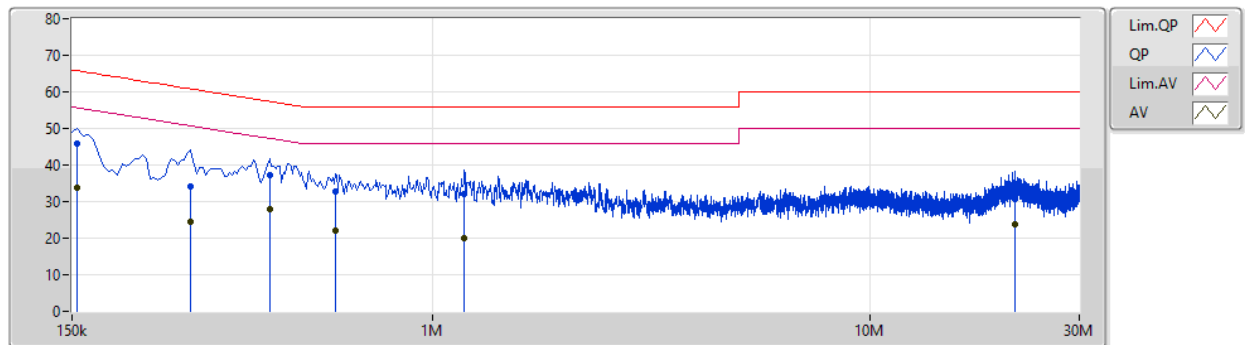
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition
Mode 1	Pass	QP	478.5k	39.01	56.36	-17.35	9.88	Line

27/05/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor	Condition	Comment	Raw (dBuV)	AF (dB)	CL (dB)	AT (dB)			
QP	159k	46.43	65.52	-19.09	9.87	Line	-	36.56	0.05	0.03	9.79			
AV	159k	37.64	55.52	-17.88	9.87	Line	-	27.77	0.05	0.03	9.79			
QP	366k	37.96	58.60	-20.64	9.88	Line	-	28.08	0.04	0.03	9.81			
AV	366k	28.82	48.60	-19.78	9.88	Line	-	18.94	0.04	0.03	9.81			
QP	478.5k	39.01	56.36	-17.35	9.88	Line	"Worst"	29.13	0.04	0.03	9.81			
AV	478.5k	28.67	46.36	-17.69	9.88	Line	-	18.79	0.04	0.03	9.81			
QP	982.5k	33.97	56.00	-22.03	9.91	Line	-	24.06	0.05	0.04	9.82			
AV	982.5k	21.99	46.00	-24.01	9.91	Line	-	12.08	0.05	0.04	9.82			
QP	1.365M	33.17	56.00	-22.83	9.92	Line	-	23.25	0.05	0.05	9.82			
AV	1.365M	22.05	46.00	-23.95	9.92	Line	-	12.13	0.05	0.05	9.82			
QP	2.04M	31.06	56.00	-24.94	9.96	Line	-	21.10	0.06	0.07	9.83			
AV	2.04M	20.67	46.00	-25.33	9.96	Line	-	10.71	0.06	0.07	9.83			

27/05/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor	Condition	Comment	Raw (dBuV)	AF (dB)	CL (dB)	AT (dB)			
QP	154.5k	45.91	65.75	-19.84	9.86	Neutral	-	36.05	0.04	0.03	9.79			
AV	154.5k	33.74	55.75	-22.01	9.86	Neutral	-	23.88	0.04	0.03	9.79			
QP	280.5k	34.14	60.80	-26.66	9.87	Neutral	-	24.27	0.04	0.03	9.80			
AV	280.5k	24.40	50.80	-26.40	9.87	Neutral	-	14.53	0.04	0.03	9.80			
QP	424.5k	37.22	57.36	-20.14	9.88	Neutral	-	27.34	0.04	0.03	9.81			
AV	424.5k	27.77	47.36	-19.59	9.88	Neutral	"Worst"	17.89	0.04	0.03	9.81			
QP	600k	32.80	56.00	-23.20	9.89	Neutral	-	22.91	0.05	0.03	9.81			
AV	600k	22.07	46.00	-23.93	9.89	Neutral	-	12.18	0.05	0.03	9.81			
QP	1.181M	32.10	56.00	-23.90	9.93	Neutral	-	22.17	0.06	0.05	9.82			
AV	1.181M	19.84	46.00	-26.16	9.93	Neutral	-	9.91	0.06	0.05	9.82			
QP	21.422M	30.53	60.00	-29.47	10.56	Neutral	-	19.97	0.23	0.33	10.00			
AV	21.422M	23.78	50.00	-26.22	10.56	Neutral	-	13.22	0.23	0.33	10.00			

**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)	921.25k	869.565k	870KF1D	918.75k	865.817k
BT-EDR(2Mbps)	1.311M	1.171M	1M17G1D	1.31M	1.168M
BT-EDR(3Mbps)	1.265M	1.182M	1M18G1D	1.264M	1.179M

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;

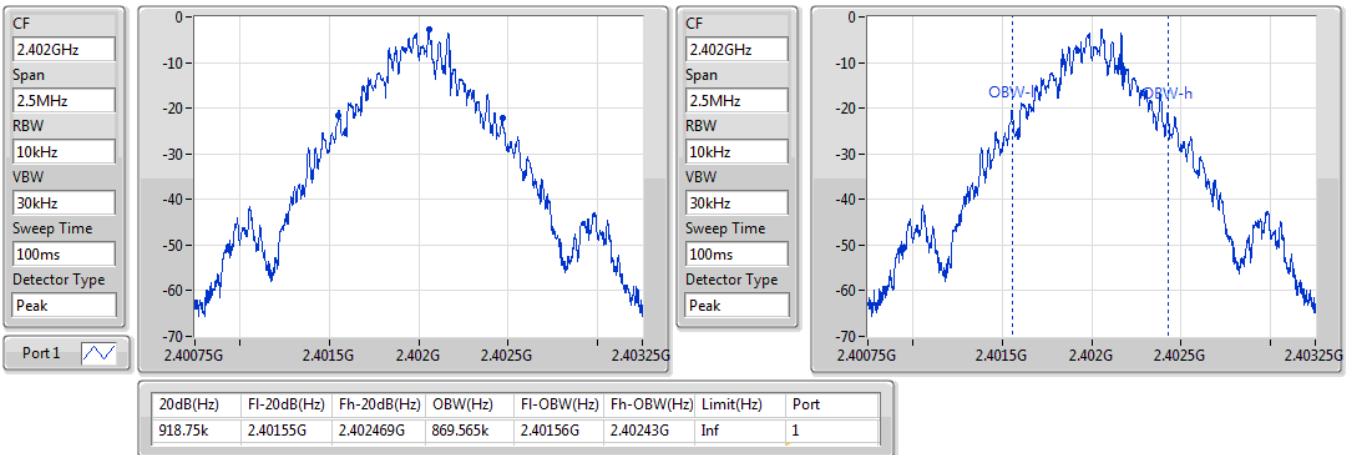
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	918.75k	869.565k
2440MHz	Pass	Inf	921.25k	865.817k
2480MHz	Pass	Inf	918.75k	865.817k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.311M	1.171M
2440MHz	Pass	Inf	1.311M	1.168M
2480MHz	Pass	Inf	1.31M	1.171M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.264M	1.182M
2440MHz	Pass	Inf	1.264M	1.179M
2480MHz	Pass	Inf	1.265M	1.182M

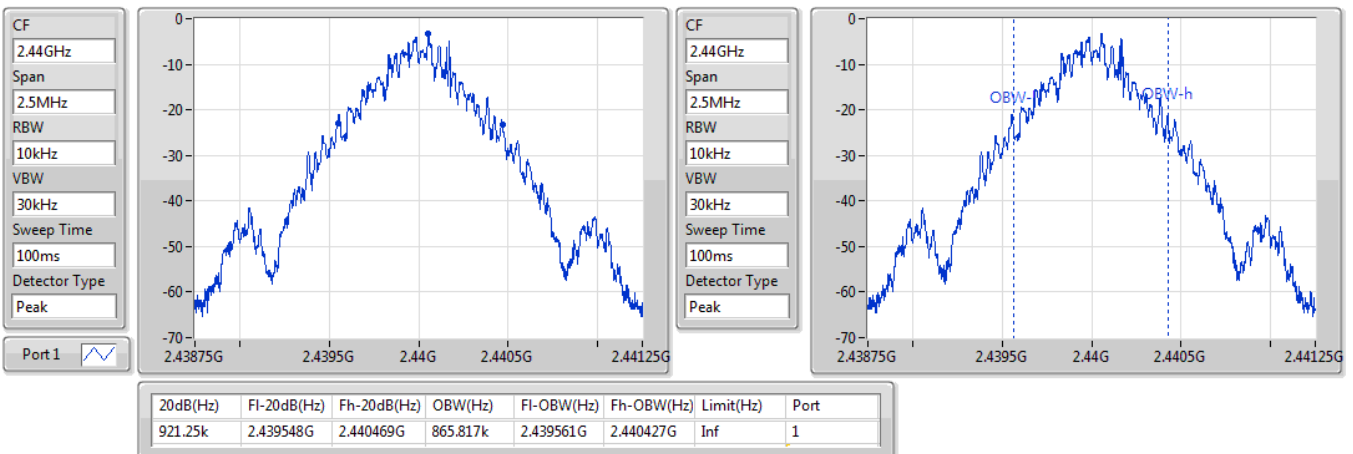
Port X-N dB = Port X 20dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

BT-BR(1Mbps)
2402MHz
EBW

16/06/2020

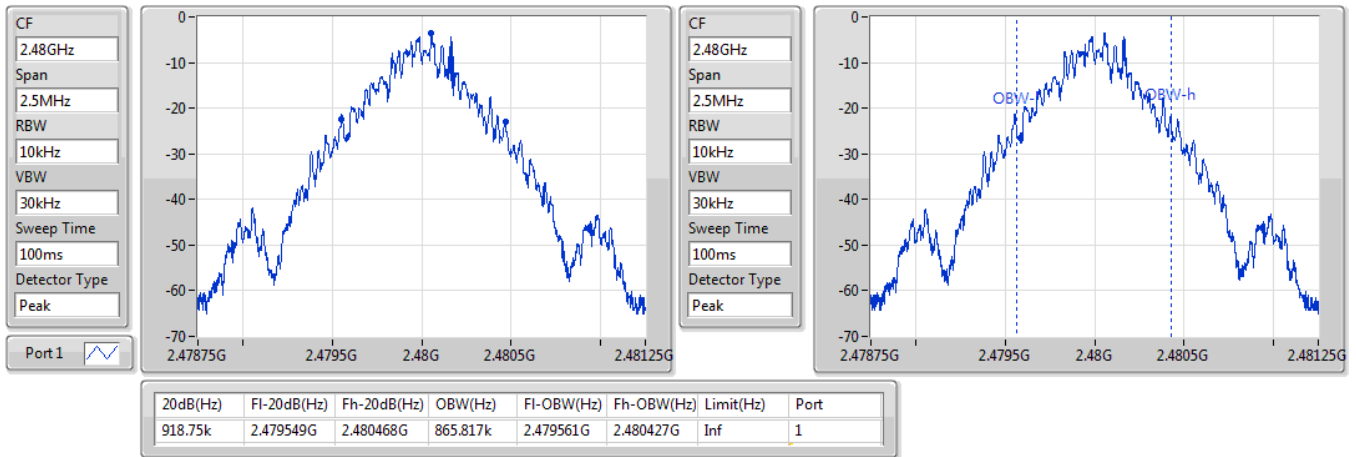

BT-BR(1Mbps)
2440MHz
EBW

16/06/2020

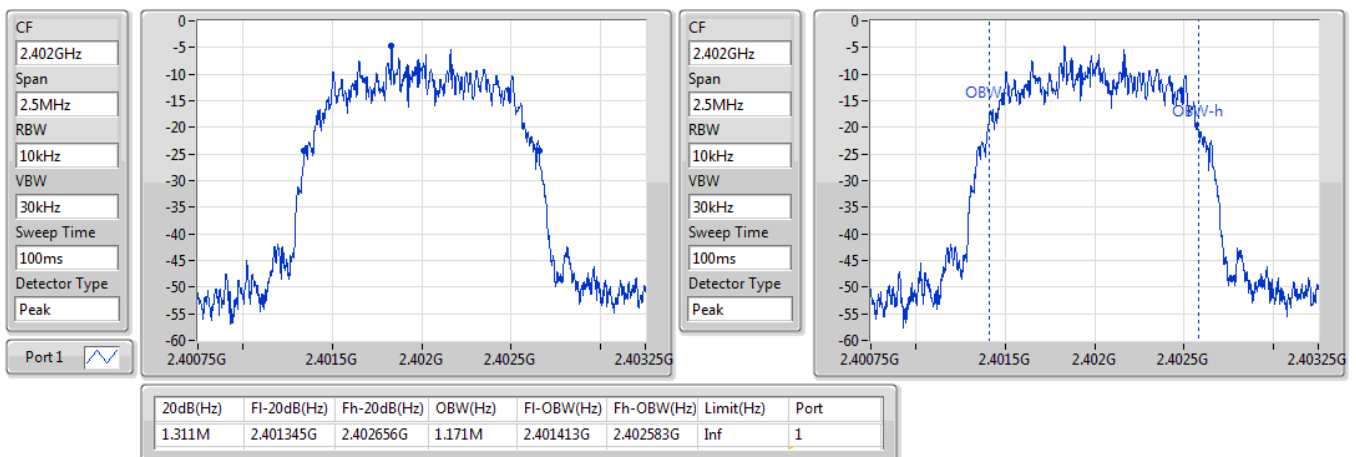


BT-BR(1Mbps)
EBW
2480MHz

16/06/2020

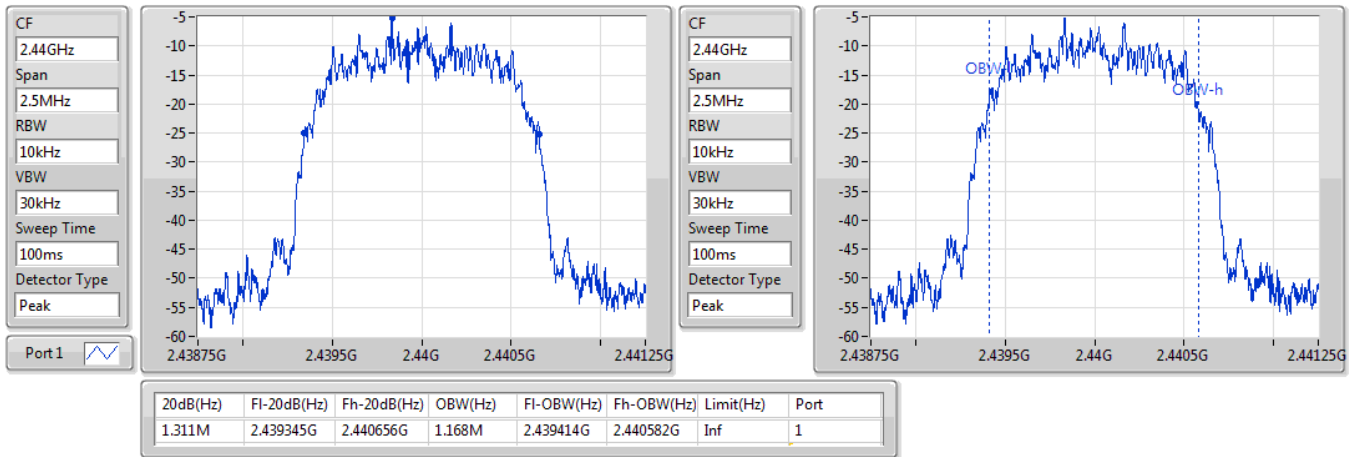

BT-EDR(2Mbps)
EBW
2402MHz

16/06/2020

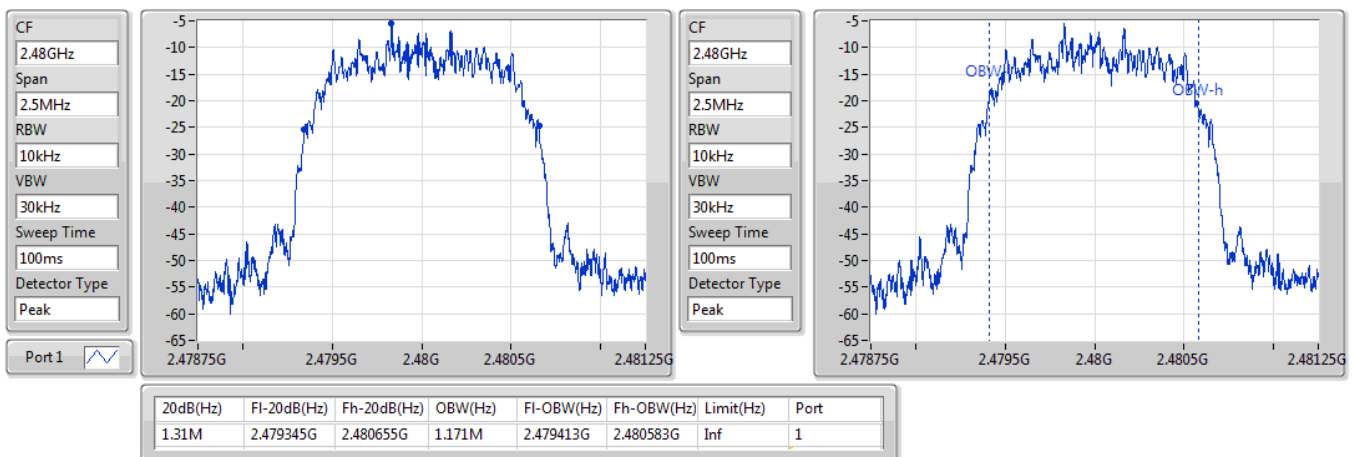


BT-EDR(2Mbps)
EBW
2440MHz

16/06/2020

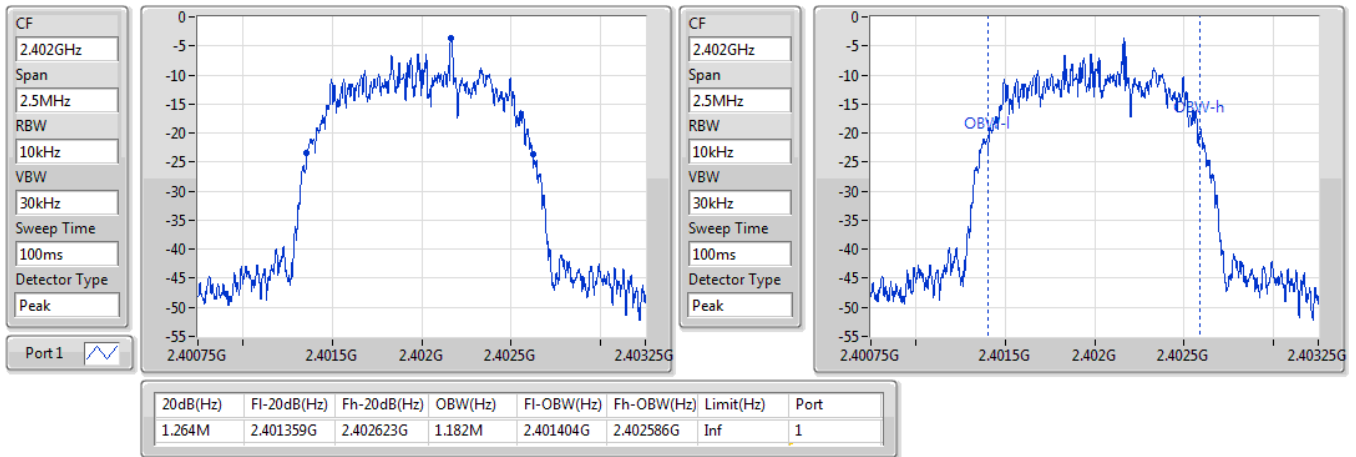

BT-EDR(2Mbps)
EBW
2480MHz

16/06/2020

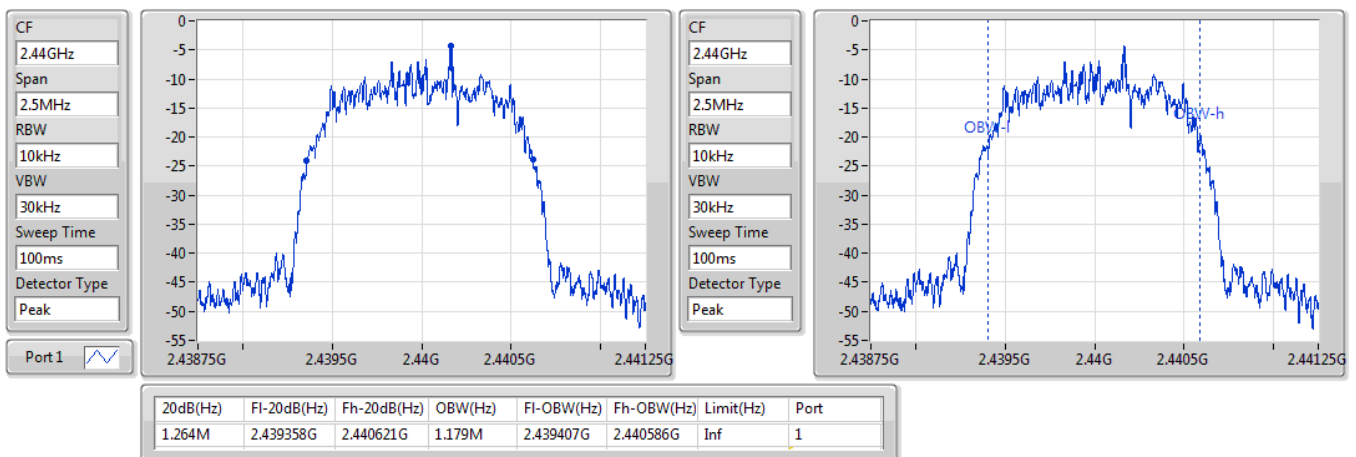


BT-EDR(3Mbps)
EBW
2402MHz

16/06/2020


BT-EDR(3Mbps)
EBW
2440MHz

16/06/2020

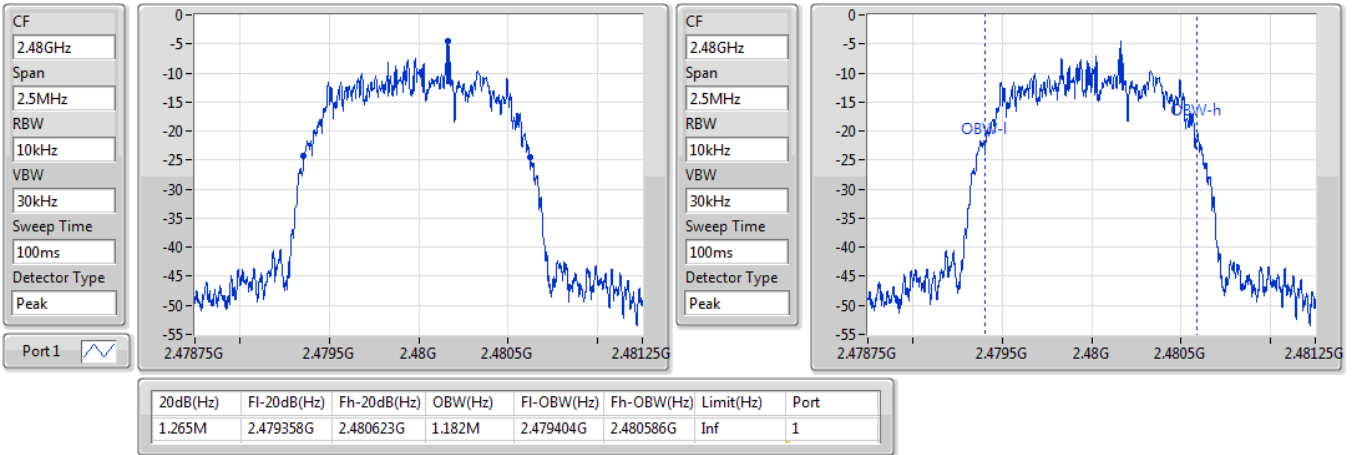


BT-EDR(3Mbps)

EBW

2480MHz

16/06/2020





Summary

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

Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.402163G	2.403163G	1.0005M	611.8875k
2440MHz	Pass	2.440163G	2.441165G	1.002M	613.5525k
2480MHz	Pass	2.479163G	2.480165G	1.002M	611.8875k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.401989G	2.402989G	1.0005M	873.126k
2440MHz	Pass	2.43999G	2.440992G	1.002M	873.126k
2480MHz	Pass	2.478989G	2.479991G	1.002M	872.46k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.402167G	2.403168G	1.0005M	841.824k
2440MHz	Pass	2.440167G	2.441168G	1.0005M	841.824k
2480MHz	Pass	2.479167G	2.480168G	1.0005M	842.49k

BT-BR(1Mbps)

Channel Separation

2.402G/2.403GHz



BT-BR(1Mbps)

Channel Separation

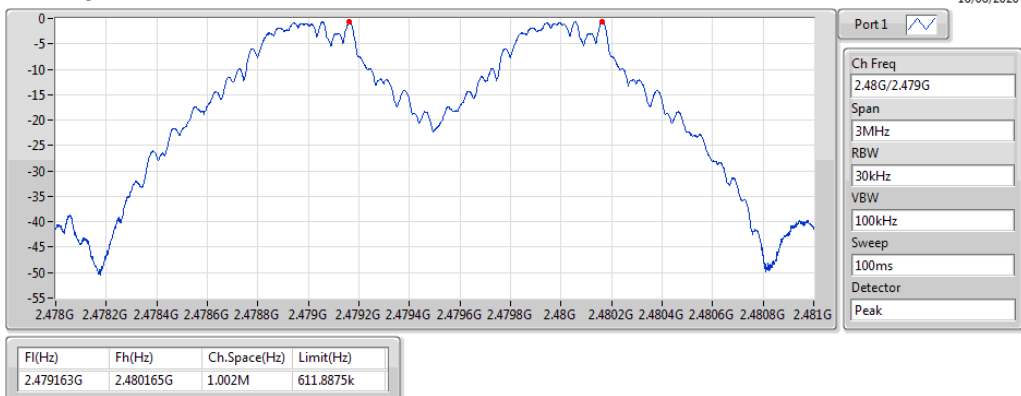
2.44G/2.441GHz



BT-BR(1Mbps)

Channel Separation

2.48G/2.479GHz

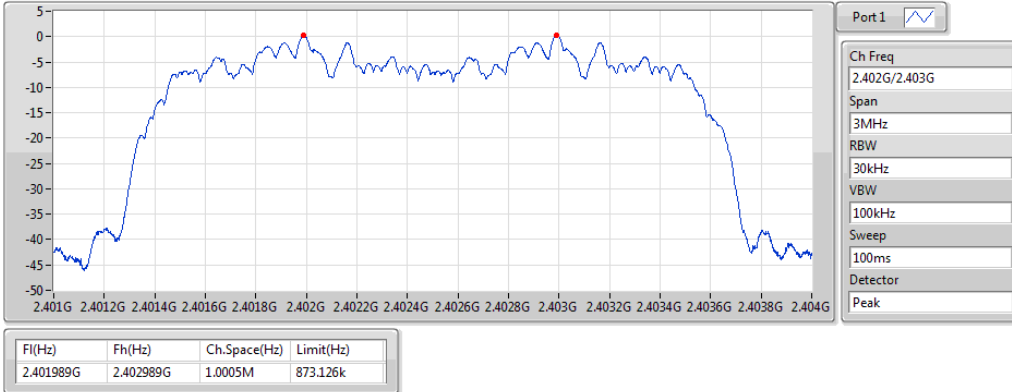


BT-EDR(2Mbps)

2.402G/2.403GHz

Channel Separation

16/06/2020

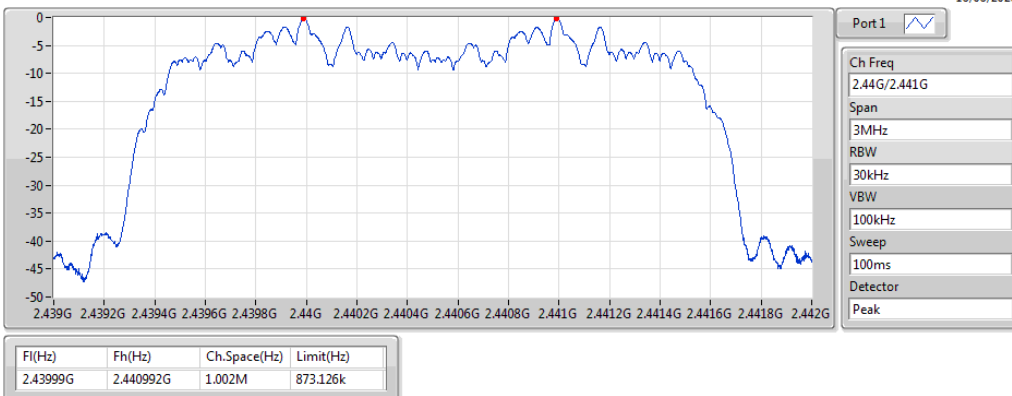


BT-EDR(2Mbps)

2.44G/2.441GHz

Channel Separation

16/06/2020

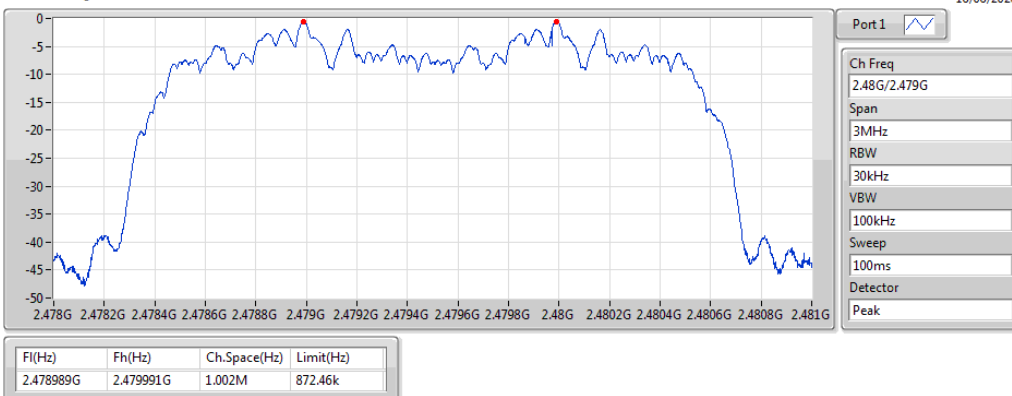


BT-EDR(2Mbps)

2.48G/2.479GHz

Channel Separation

16/06/2020

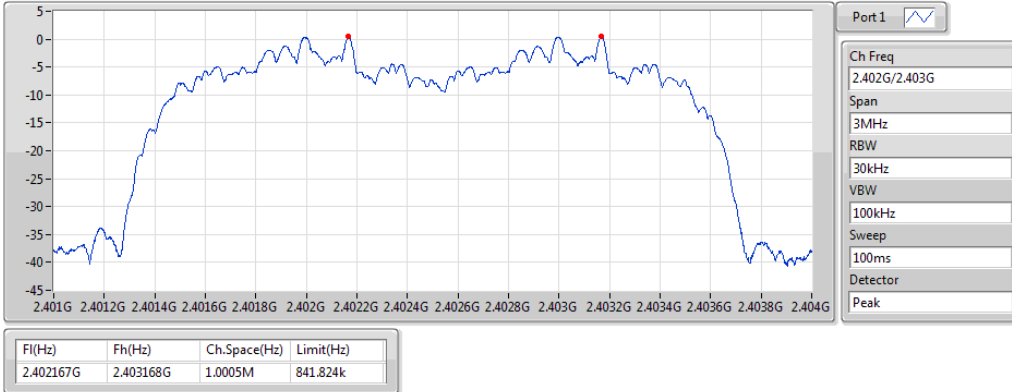


BT-EDR(3Mbps)

2.402G/2.403GHz

Channel Separation

16/06/2020

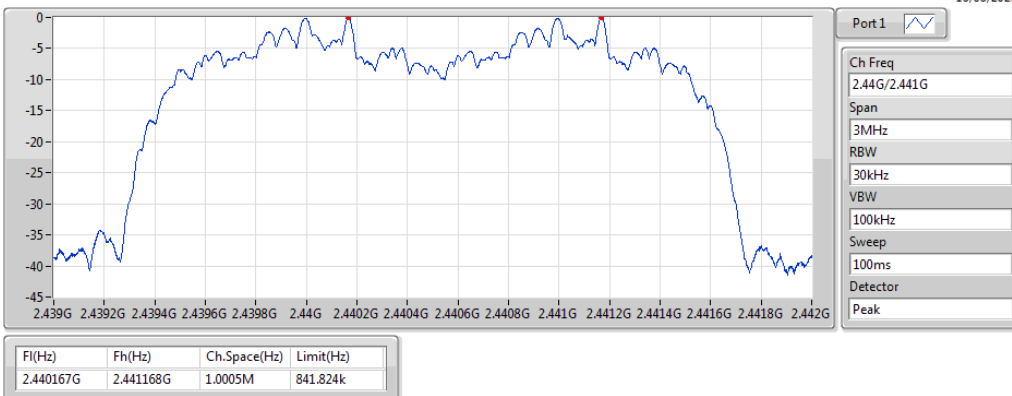


BT-EDR(3Mbps)

2.44G/2.441GHz

Channel Separation

16/06/2020



BT-EDR(3Mbps)

2.48G/2.479GHz

Channel Separation

16/06/2020





Average Power-FHSS Result

Appendix C.1

Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	3.11	0.00205
BT-EDR(2Mbps)	3.26	0.00212
BT-EDR(3Mbps)	3.18	0.00208



Average Power-FHSS Result

Appendix C.1

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	6.80	3.11	20.20
2440MHz	Pass	6.80	2.62	20.20
2480MHz	Pass	6.80	2.37	20.20
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	6.80	3.26	20.20
2440MHz	Pass	6.80	2.79	20.20
2480MHz	Pass	6.80	2.49	20.20
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	6.80	3.18	20.20
2440MHz	Pass	6.80	2.77	20.20
2480MHz	Pass	6.80	2.56	20.20

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



Peak Power-FHSS Result

Appendix C.2

Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	3.31	0.00214
BT-EDR(2Mbps)	5.78	0.00378
BT-EDR(3Mbps)	6.08	0.00406



Peak Power-FHSS Result

Appendix C.2

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	6.80	3.31	20.20
2440MHz	Pass	6.80	2.85	20.20
2480MHz	Pass	6.80	2.61	20.20
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	6.80	5.78	20.20
2440MHz	Pass	6.80	5.36	20.20
2480MHz	Pass	6.80	5.03	20.20
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	6.80	6.08	20.20
2440MHz	Pass	6.80	5.62	20.20
2480MHz	Pass	6.80	5.41	20.20

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



Summary

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

Result

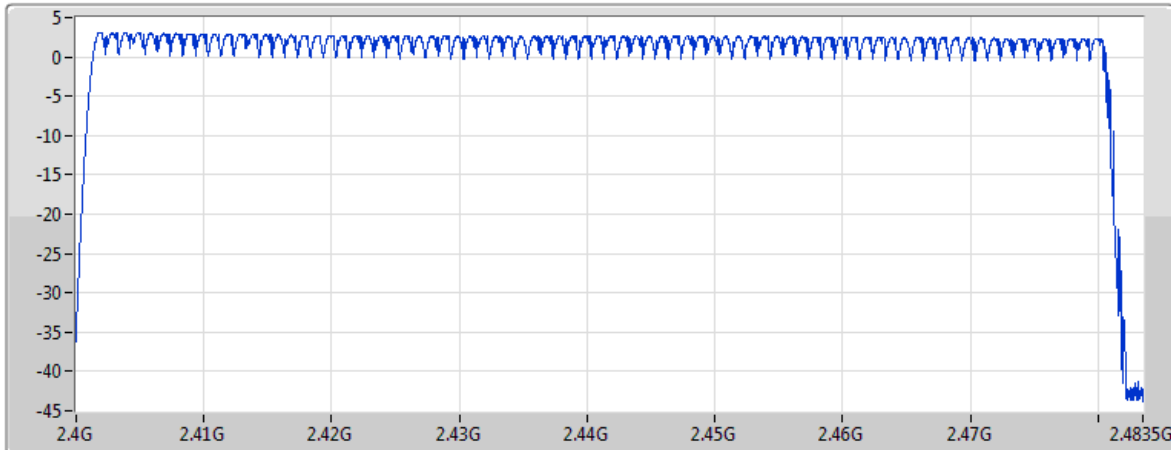
Mode	Result	Hopping No	Limit
BT-BR(1Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(2Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(3Mbps)	-	-	-
2440MHz	Pass	79	15

BT-BR(1Mbps)

2440MHz

Hopping Ch

16/06/2020



Port 1 

Hopping No
79

Span
83.5MHz

RBW
1MHz

VBW
3MHz

Sweep
200ms

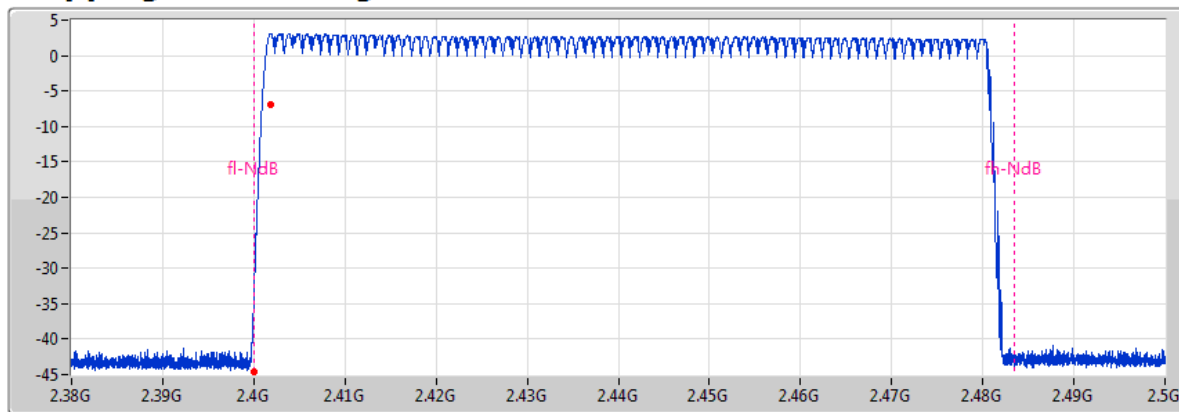
Detector
Peak

BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

16/06/2020



Port 1 

Span
120MHz

RBW
1MHz

VBW
3MHz

Sweep
200ms

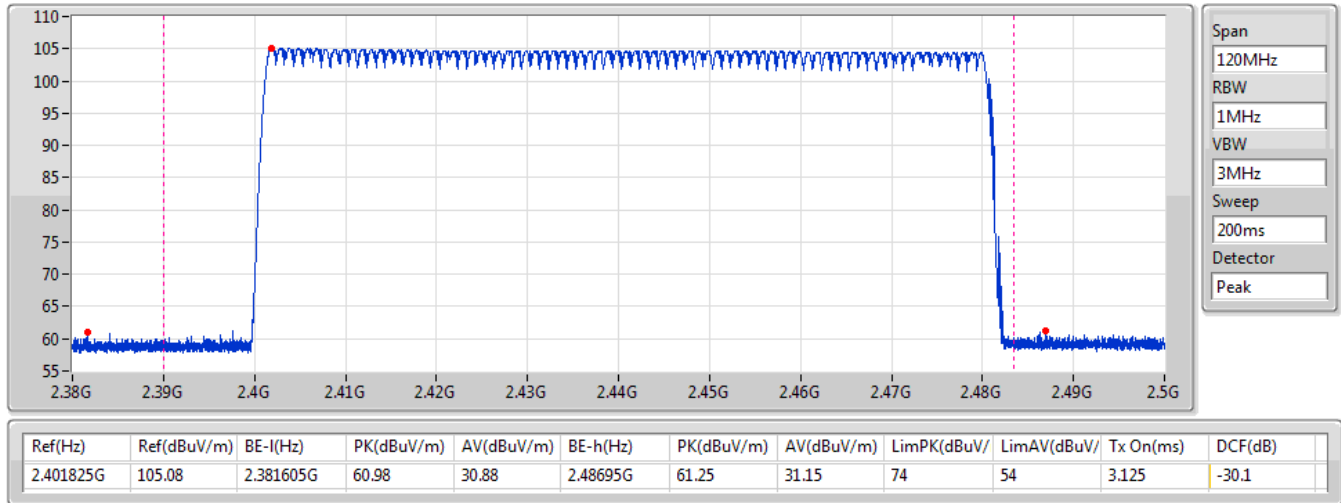
Detector
Peak

BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

16/06/2020

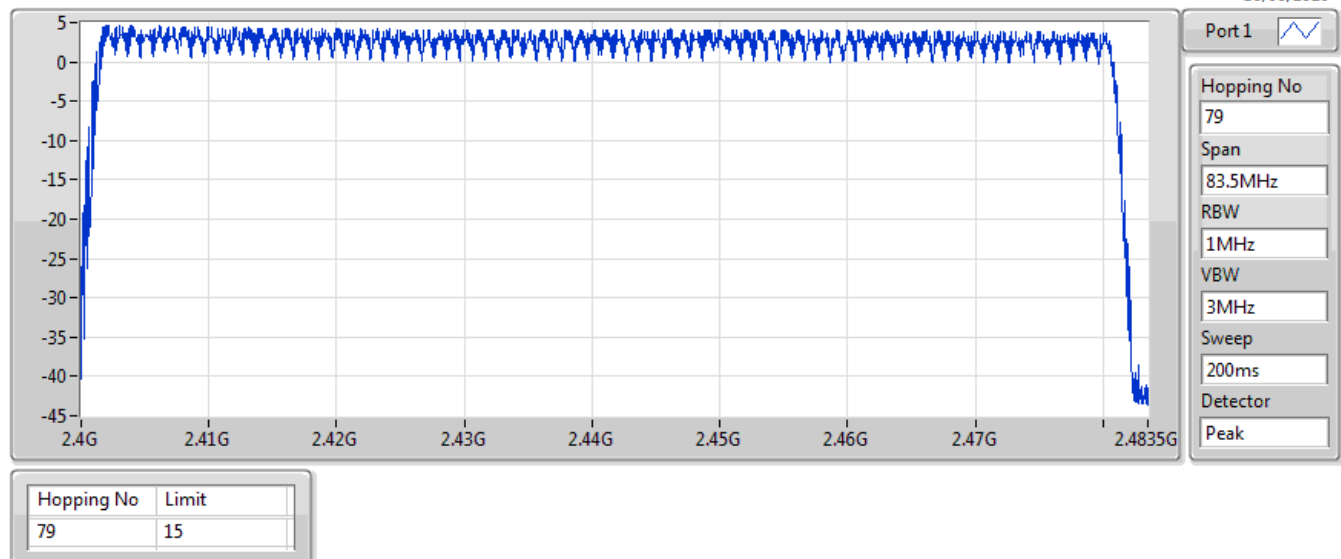


BT-EDR(2Mbps)

2440MHz

Hopping Ch

16/06/2020

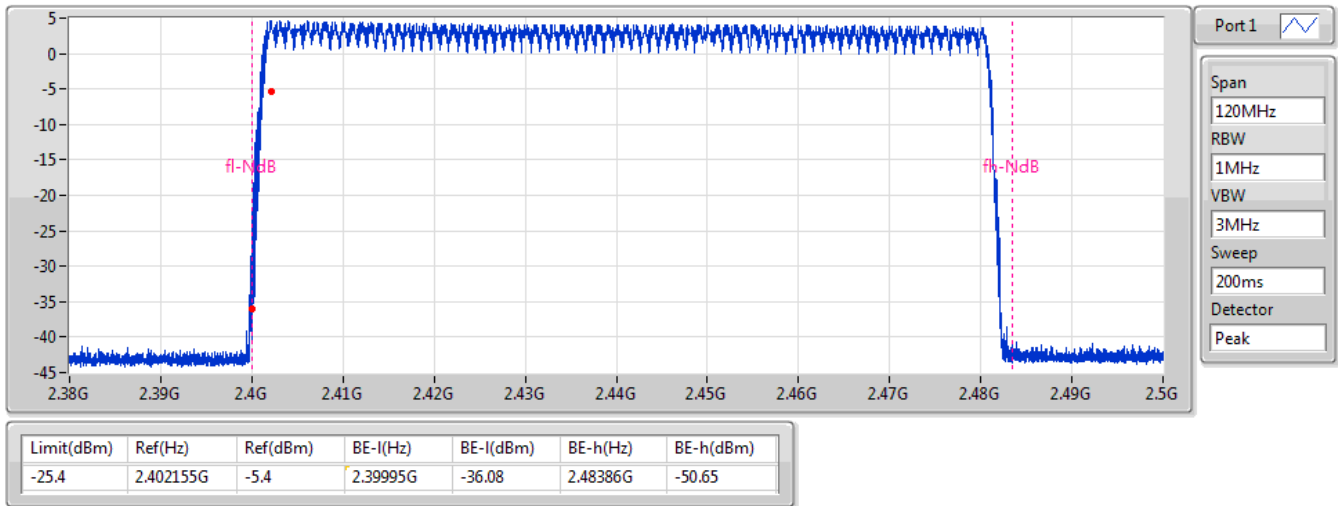


BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

16/06/2020

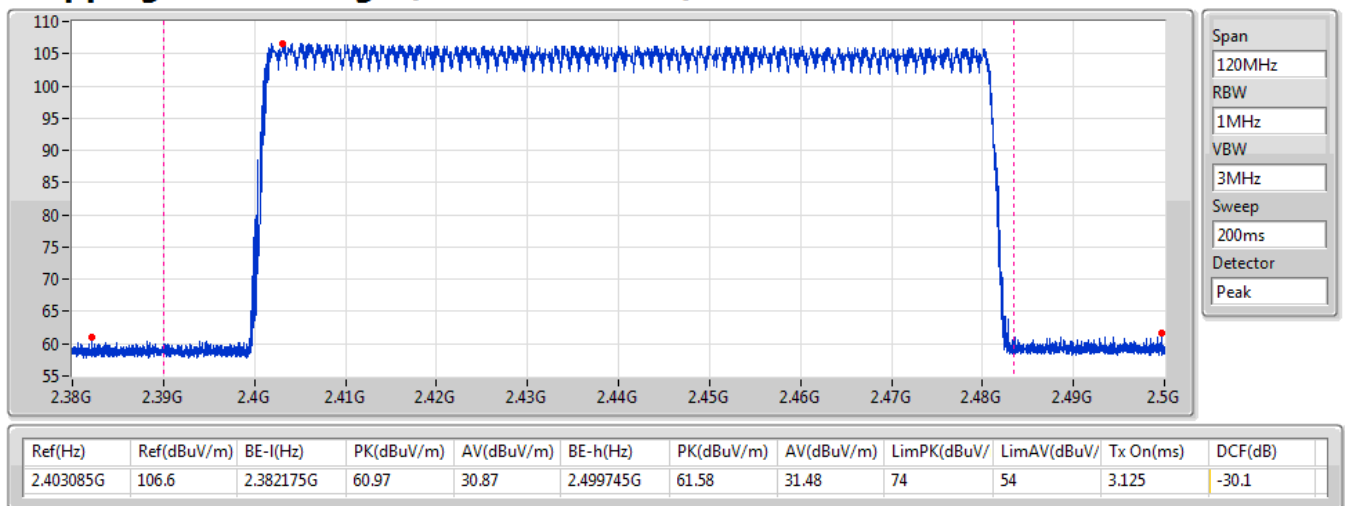


BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

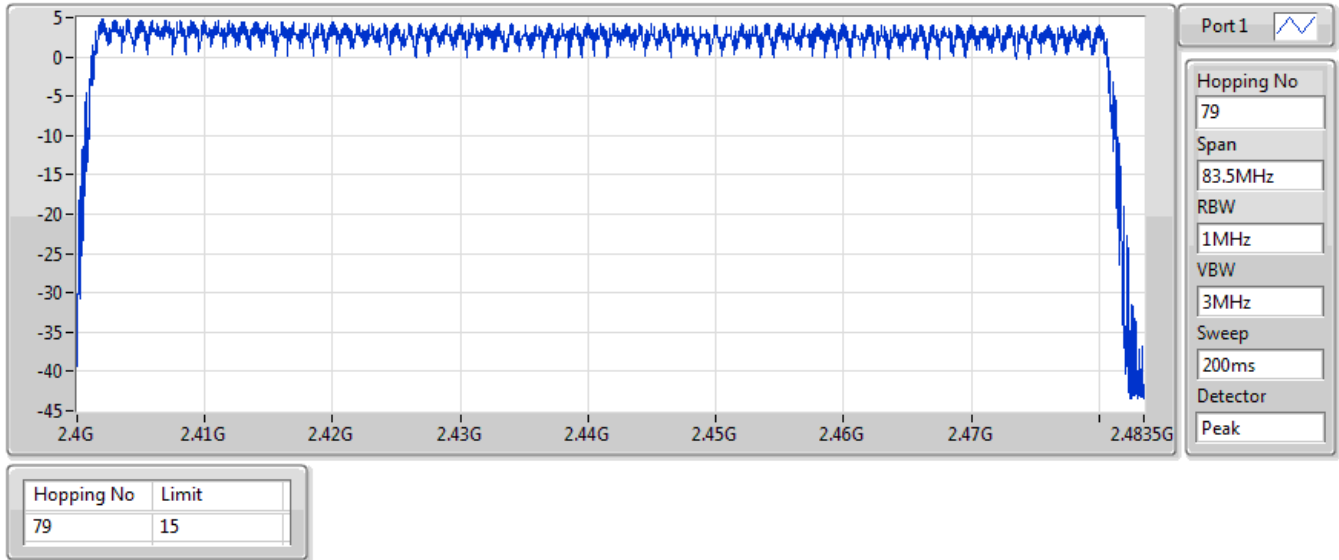
16/06/2020



BT-EDR(3Mbps) 2440MHz

Hopping Ch

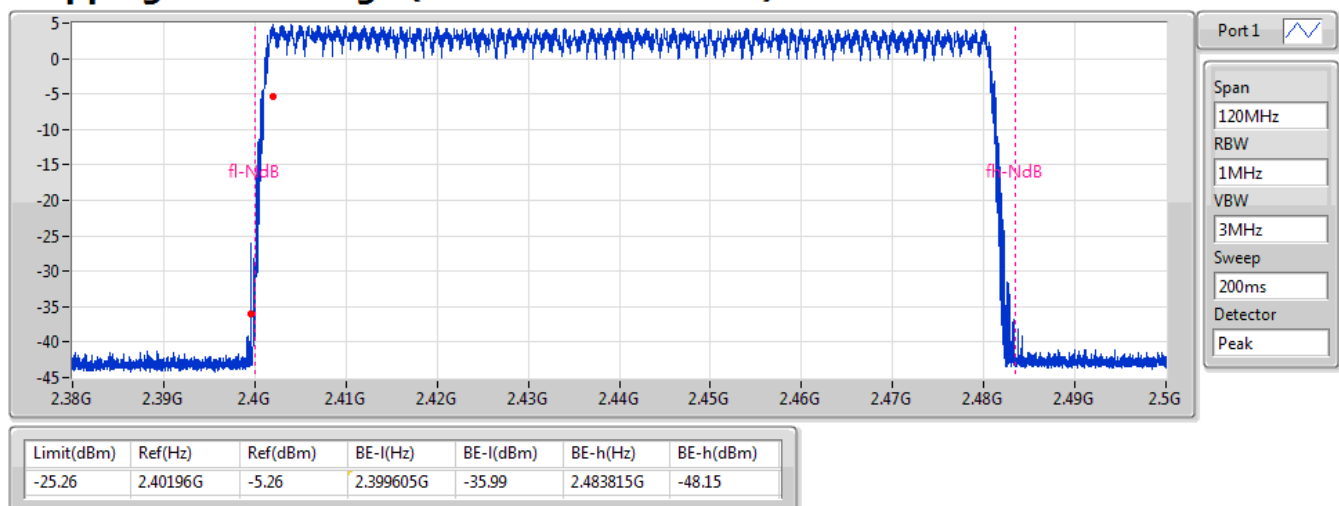
16/06/2020



BT-EDR(3Mbps) 2440MHz

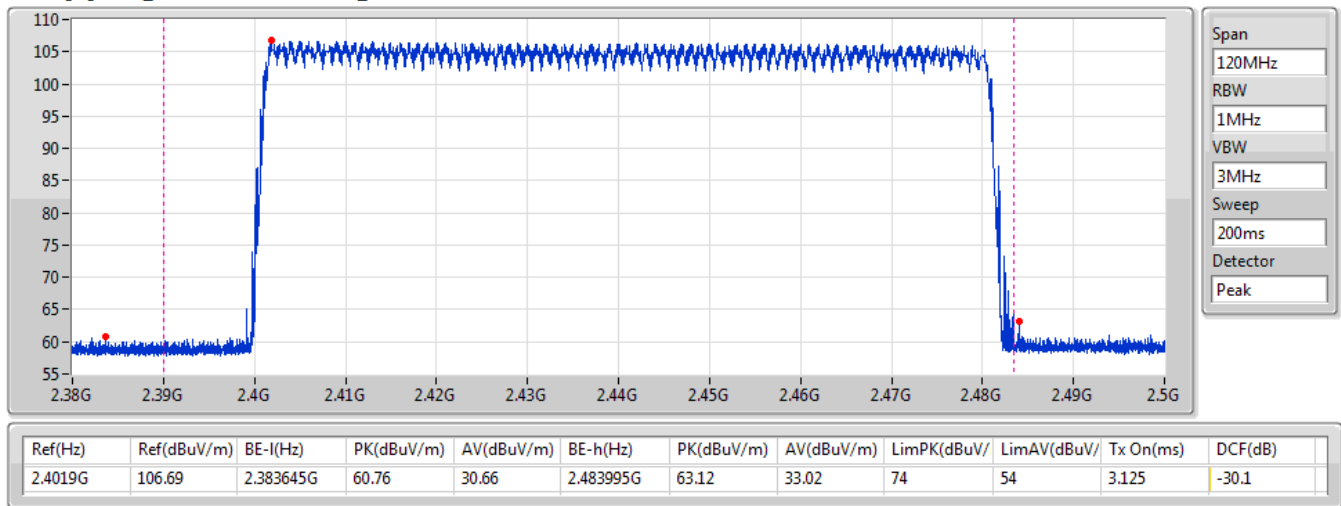
Hopping Ch Bandedge (Non-restricted Band)

16/06/2020



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

16/06/2020





Summary

Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	308.52705m
BT-EDR(2Mbps)	308.47375m
BT-EDR(3Mbps)	308.5537m

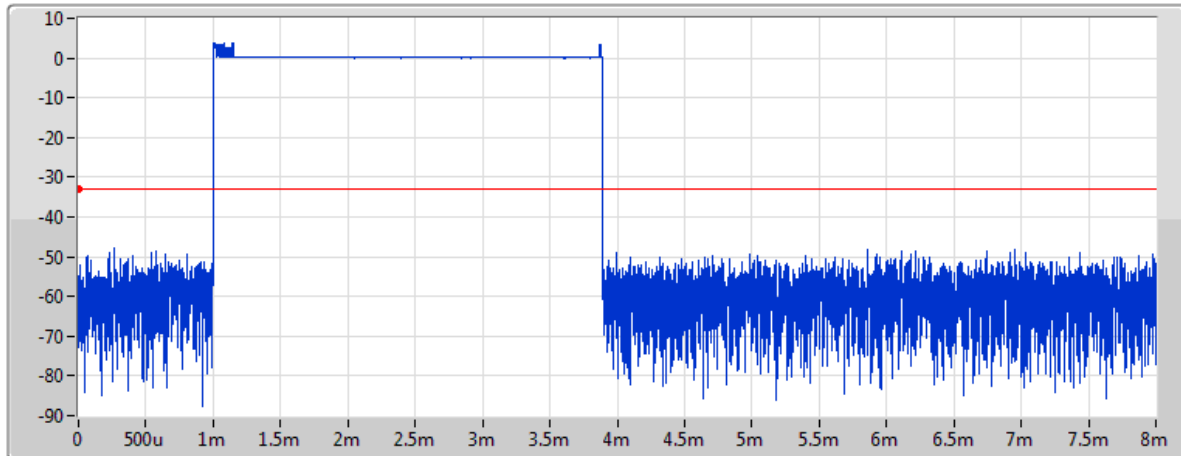
Result

Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	308.52705m	400m	2.89425m
BT-EDR(2Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	308.47375m	400m	2.89375m
BT-EDR(3Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	308.5537m	400m	2.8945m

BT-BR(1Mbps)

2440MHz

16/06/2020



Port1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.89425ms

non AFH Mode

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.52705m	400m	2.89425m

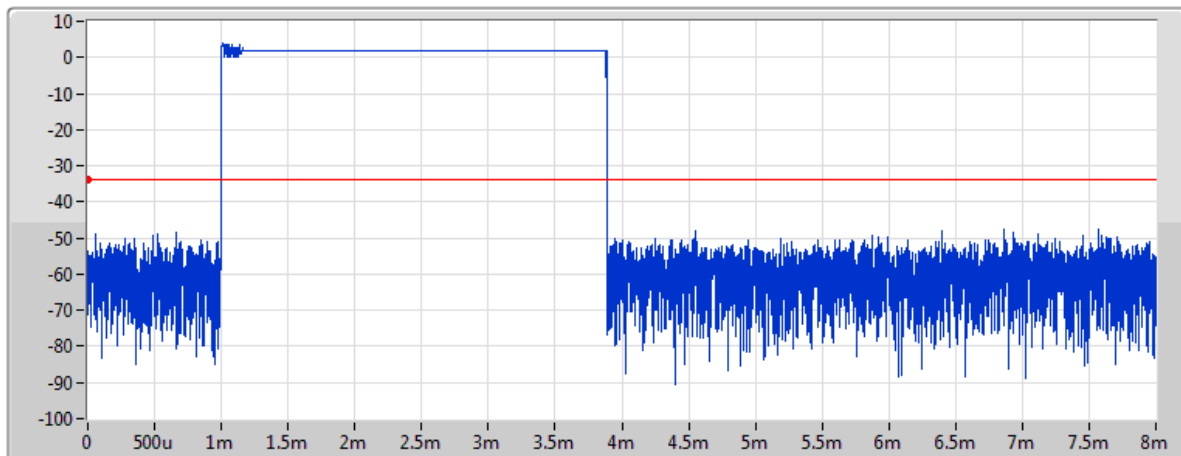
AFH Mode

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	154.263525m	400m	2.89425m

BT-EDR(2Mbps)

2440MHz

16/06/2020



Port1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.89375ms

non AFH Mode

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.47375m	400m	2.89375m

AFH Mode

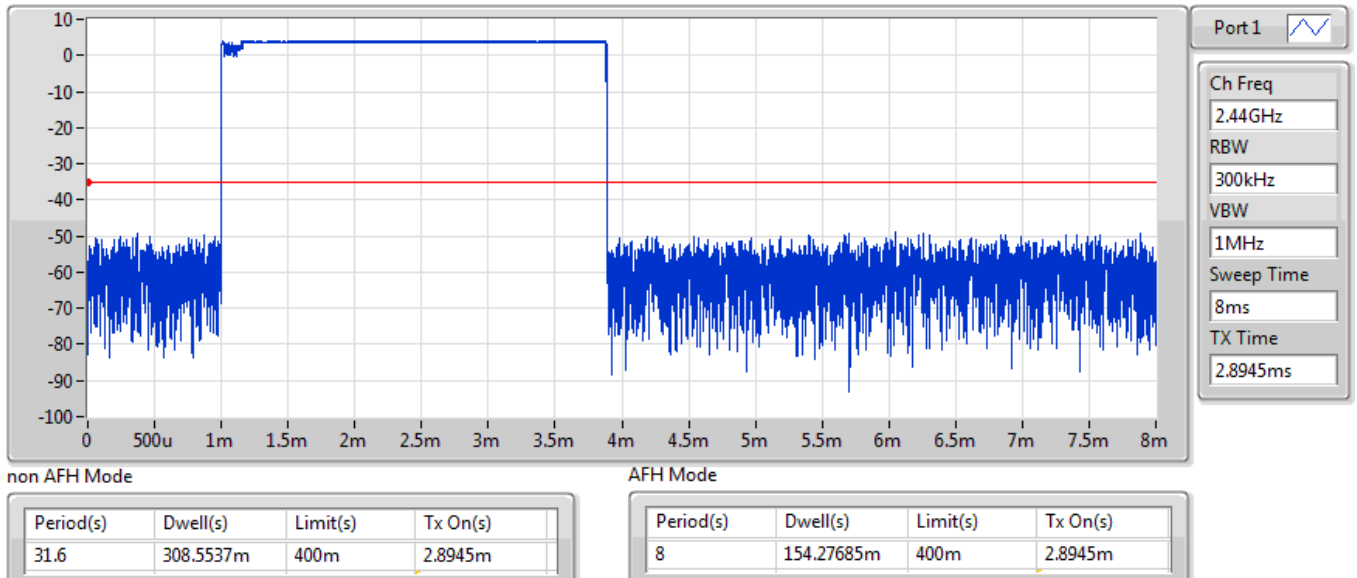
Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	154.236875m	400m	2.89375m

BT-EDR(3Mbps)

2440MHz

Dwell

16/06/2020





CSE-FHSS(Non-restricted Band) Result

Appendix F

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.40184G	2.48	-17.52	904.49M	-52.77	2.3935G	-51.91	2.4G	-52.74	2.50189G	-49.62	16.74378G	-45.94	1
BT-EDR(2Mbps)	Pass	2.48016G	2.12	-17.88	2.12033G	-51.65	2.39673G	-51.98	2.4835G	-54.10	2.49241G	-51.56	17.5171G	-46.41	1
BT-EDR(3Mbps)	Pass	2.48016G	0.92	-19.08	948.56M	-52.46	2.39441G	-52.48	2.4835G	-52.26	2.48432G	-51.51	24.54726G	-46.36	1

Result

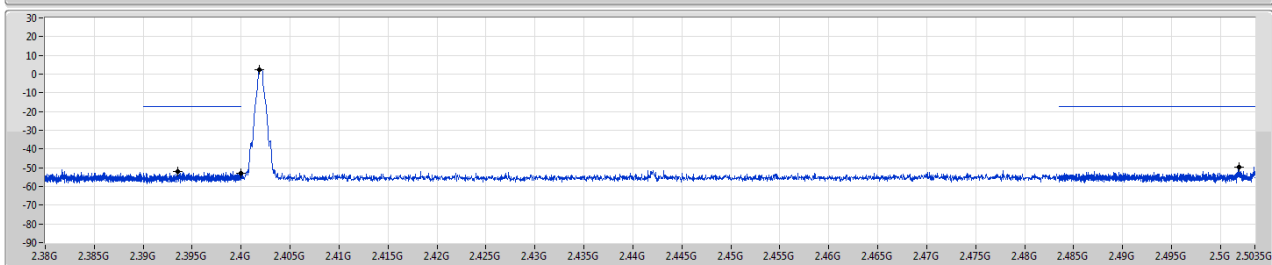
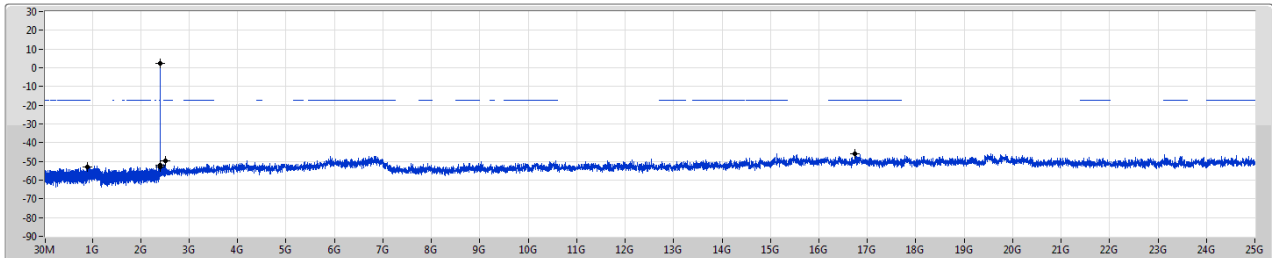
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40184G	2.48	-17.52	904.49M	-52.77	2.3935G	-51.91	2.4G	-52.74	2.50189G	-49.62	16.74378G	-45.94	1
2440MHz	Pass	2.43983G	2.22	-17.78	936.51M	-52.50	2.39985G	-50.54	2.4G	-52.12	2.50275G	-51.44	17.13747G	-45.92	1
2480MHz	Pass	2.47983G	1.71	-18.29	2.12209G	-52.38	2.39217G	-52.16	2.4835G	-54.30	2.48875G	-51.95	17.48617G	-46.76	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	2.56	-17.44	2.12884G	-52.24	2.39469G	-51.83	2.4G	-51.36	2.49229G	-51.28	15.28432G	-45.92	1
2440MHz	Pass	2.44016G	2.55	-17.45	940.63M	-52.55	2.39478G	-52.04	2.4835G	-54.13	2.4845G	-51.38	16.51038G	-46.80	1
2480MHz	Pass	2.48016G	2.12	-17.88	2.12033G	-51.65	2.39673G	-51.98	2.4835G	-54.10	2.49241G	-51.56	17.5171G	-46.41	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40217G	2.95	-17.05	2.30598G	-53.14	2.3996G	-50.20	2.4G	-51.80	2.497G	-51.38	15.08748G	-46.74	1
2440MHz	Pass	2.44016G	2.72	-17.28	2.13795G	-51.55	2.39581G	-52.50	2.4835G	-55.76	2.48498G	-51.42	17.45805G	-46.98	1
2480MHz	Pass	2.48016G	0.92	-19.08	948.56M	-52.46	2.39441G	-52.48	2.4835G	-52.26	2.48432G	-51.51	24.54726G	-46.36	1

BT-BR(1Mbps)

2402MHz

CSE NdB

16/06/2020



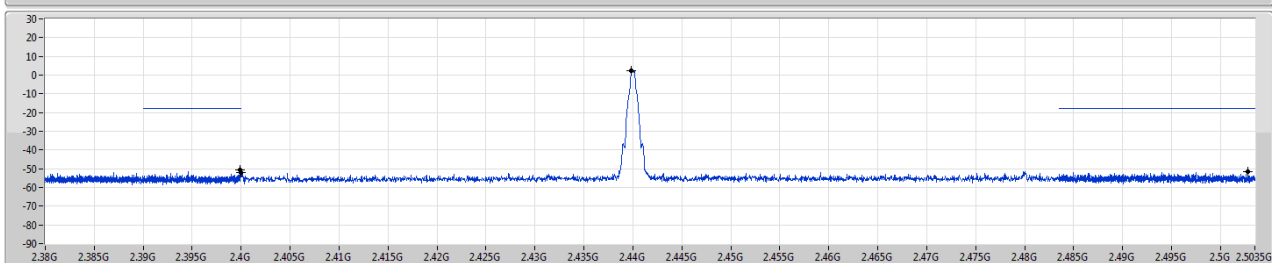
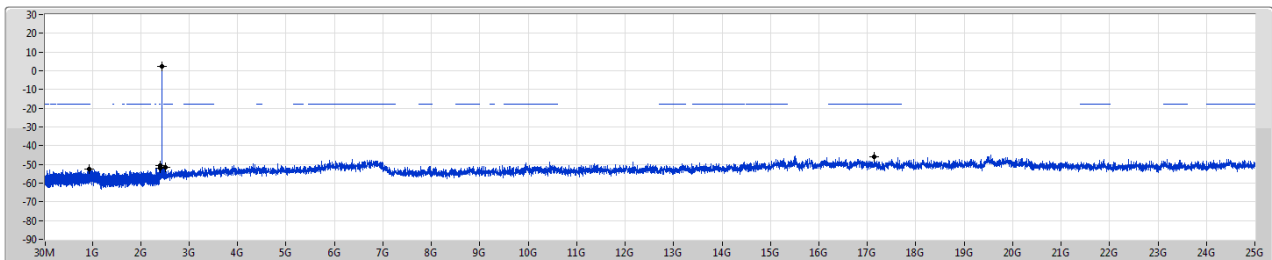
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40184G	2.48	-17.52	904.49M	-52.77	2.3935G	-51.91	2.4G	-52.74	2.50189G	-49.62	16.74378G	-45.94	1

BT-BR(1Mbps)

2440MHz

CSE NdB

16/06/2020



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43983G	2.22	-17.78	936.51M	-52.50	2.39985G	-50.54	2.4G	-52.12	2.50275G	-51.44	17.13747G	-45.92	1

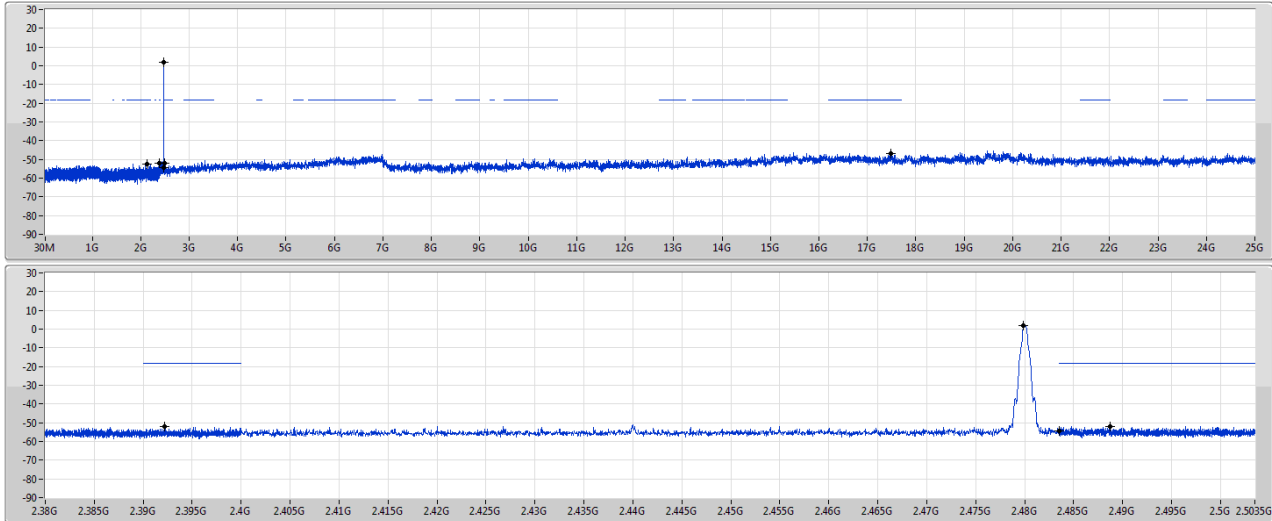
BT-BR(1Mbps)

2480MHz

CSE NdB

16/06/2020

Port 1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

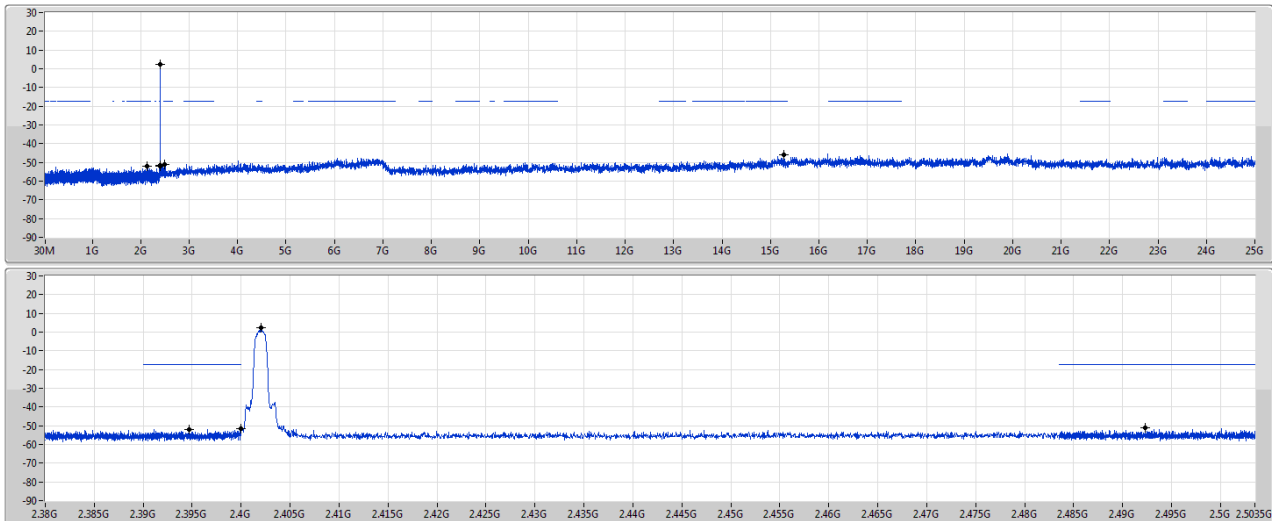
BT-EDR(2Mbps)

2402MHz

CSE NdB

16/06/2020

Port 1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

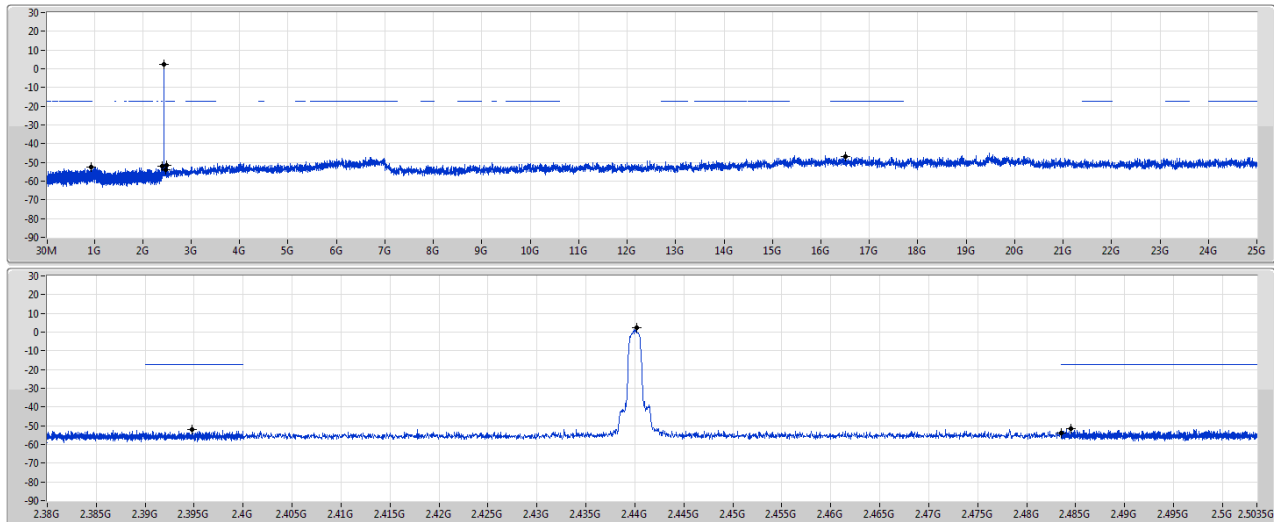
BT-EDR(2Mbps)

2440MHz

CSE NdB

16/06/2020

Port 1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44016G	2.55	-17.45	940.63M	-52.55	2.39478G	-52.04	2.4835G	-54.13	2.4845G	-51.38	16.51038G	-46.80	1

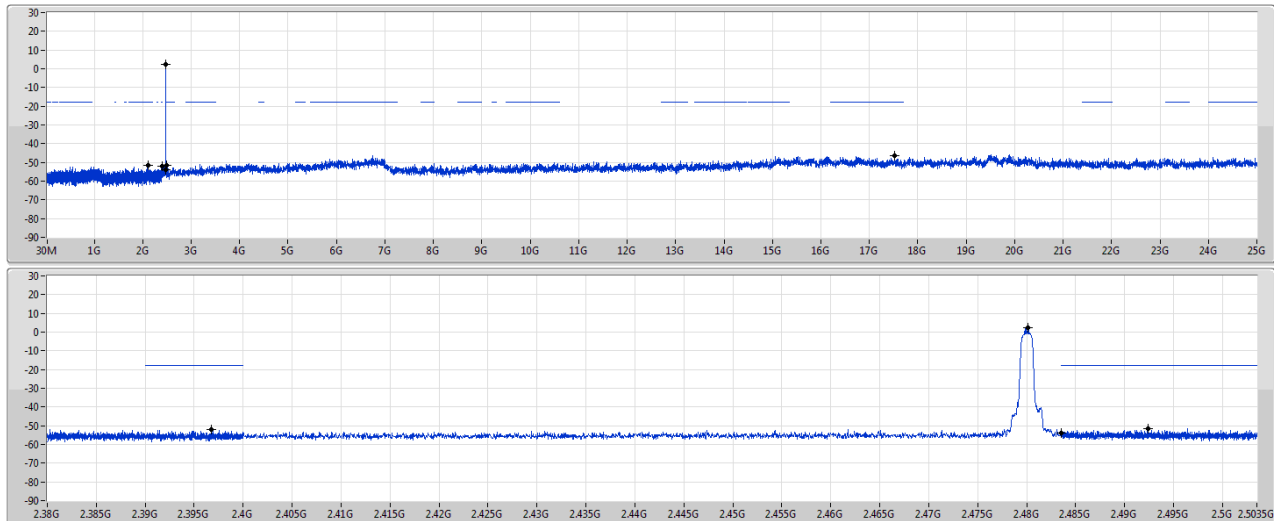
BT-EDR(2Mbps)

2480MHz

CSE NdB

16/06/2020

Port 1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.48016G	2.12	-17.88	2.12033G	-51.65	2.39673G	-51.98	2.4835G	-54.10	2.49241G	-51.56	17.5171G	-46.41	1

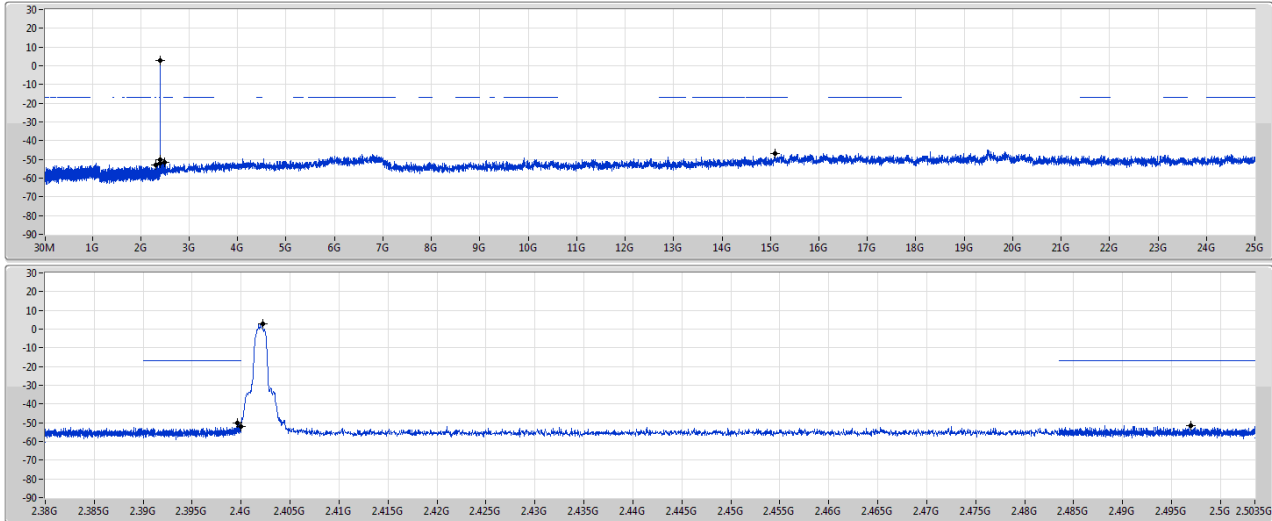
BT-EDR(3Mbps)

2402MHz

CSE NdB

16/06/2020

Port 1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40217G	2.95	-17.05	2.30598G	-53.14	2.3996G	-50.20	2.4G	-51.80	2.497G	-51.38	15.08748G	-46.74	1

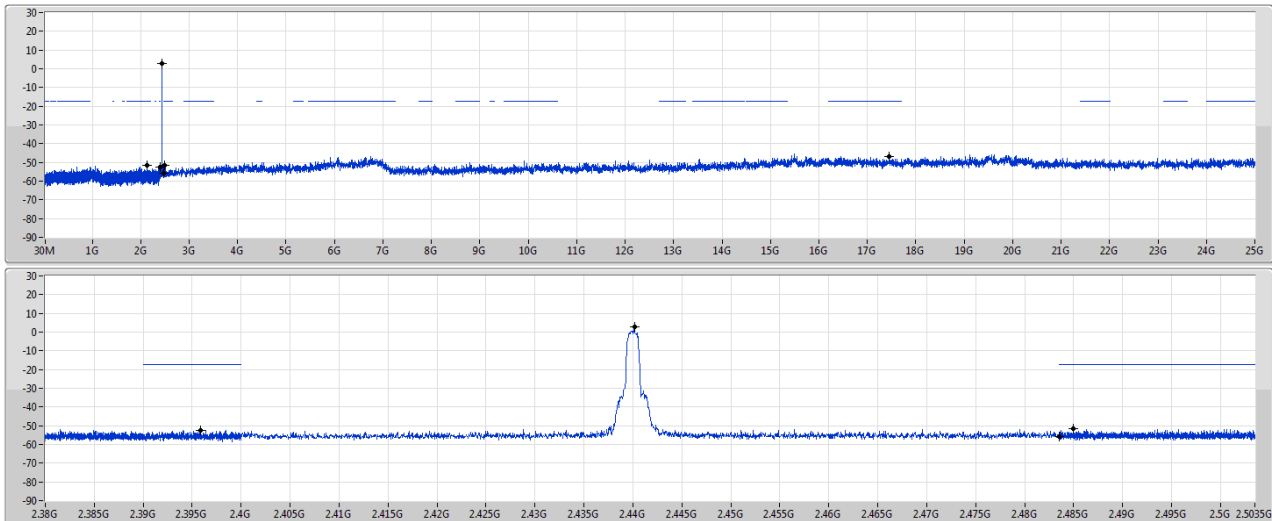
BT-EDR(3Mbps)

2440MHz

CSE NdB

16/06/2020

Port 1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44016G	2.72	-17.28	2.13795G	-51.55	2.39581G	-52.50	2.4835G	-55.76	2.48498G	-51.42	17.45805G	-46.98	1

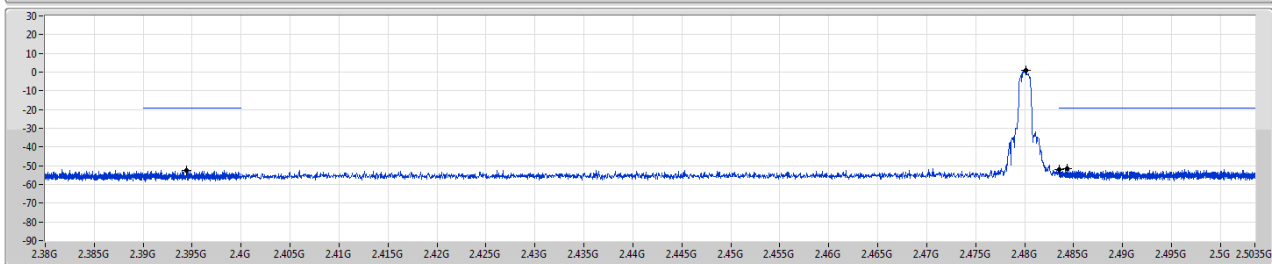
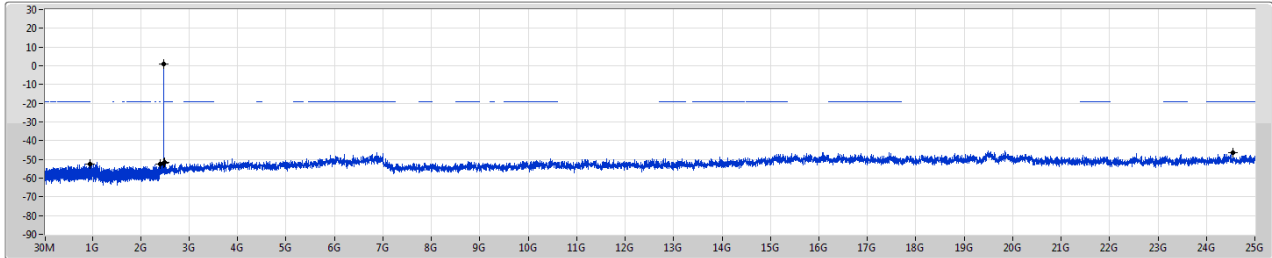
BT-EDR(3Mbps)

2480MHz

CSE NdB

16/06/2020

Port 1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.48016G	0.92	-19.08	948.56M	-52.46	2.39441G	-52.48	2.4835G	-52.26	2.48432G	-51.51	2.4726G	-46.36	1



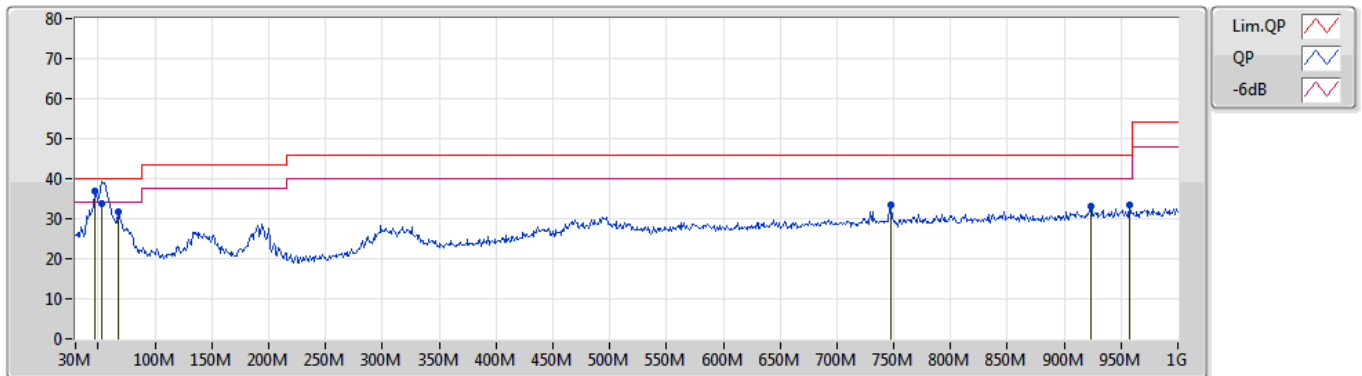
Radiated Emissions below 1GHz Result

Appendix G.1

Summary

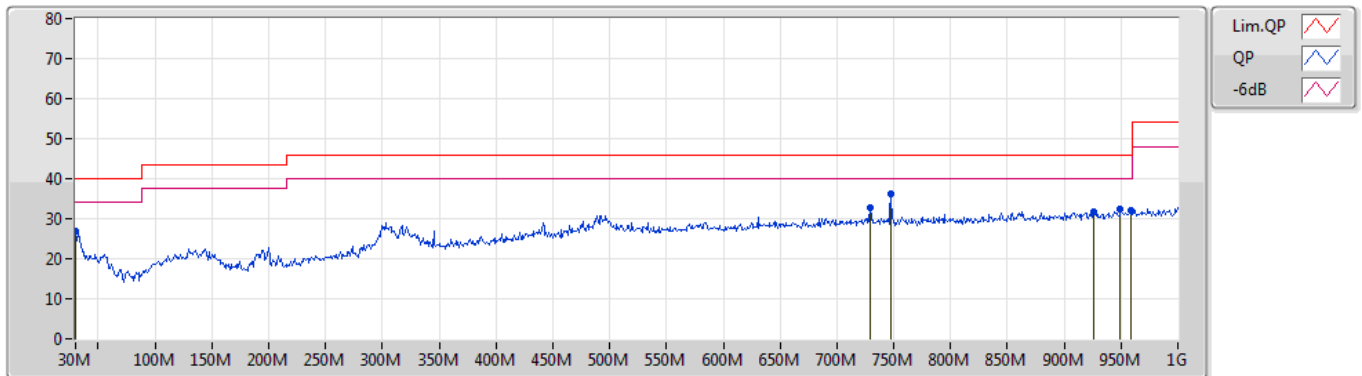
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	46.49M	36.94	40.00	-3.06	Vertical

26/05/2020



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	46.49M	36.94	40.00	-3.06	-16.55	3	Vertical	147	1.00	"Worst"	53.49	15.13	0.83	32.51
QP	53.28M	33.92	40.00	-6.08	-18.58	3	Vertical	147	1.00	-	52.50	13.00	0.90	32.48
PK	67.83M	31.64	40.00	-8.36	-19.18	3	Vertical	204	1.50	-	50.82	12.27	0.96	32.41
PK	747.8M	33.57	46.00	-12.43	-3.18	3	Vertical	332	2.00	-	36.75	25.75	3.30	32.23
PK	923.37M	33.19	46.00	-12.81	-1.11	3	Vertical	127	2.00	-	34.30	26.78	3.69	31.58
PK	957.32M	33.42	46.00	-12.58	-0.58	3	Vertical	356	3.00	-	34.00	26.96	3.80	31.34

27/05/2020



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	30M	27.06	40.00	-12.94	-7.55	3	Horizontal	261	1.50	-	34.61	24.10	0.70	32.35
PK	729.37M	32.78	46.00	-13.22	-3.39	3	Horizontal	203	1.25	-	36.17	25.66	3.26	32.31
PK	747.8M	36.13	46.00	-9.87	-3.18	3	Horizontal	360	1.50	"Worst"	39.31	25.75	3.30	32.23
PK	926.28M	31.87	46.00	-14.13	-1.06	3	Horizontal	201	1.50	-	32.93	26.80	3.71	31.57
PK	949.56M	32.45	46.00	-13.55	-0.73	3	Horizontal	42	1.50	-	33.18	26.91	3.80	31.44
PK	959.26M	31.98	46.00	-14.02	-0.55	3	Horizontal	308	2.00	-	32.53	26.97	3.80	31.32



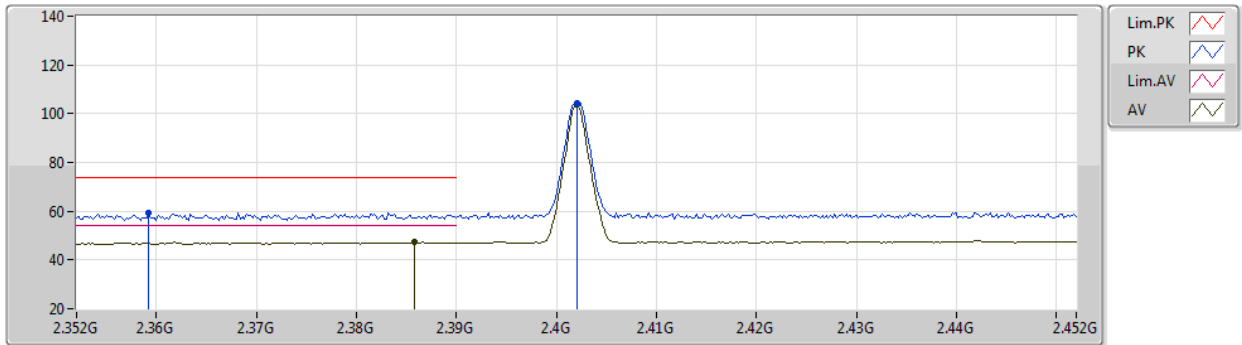
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-EDR(3Mbps)	Pass	AV	2.4835G	48.73	54.00	-5.27	3	Vertical	338	2.30

BT-BR(1Mbps)

2402MHz_TX

15/06/2020



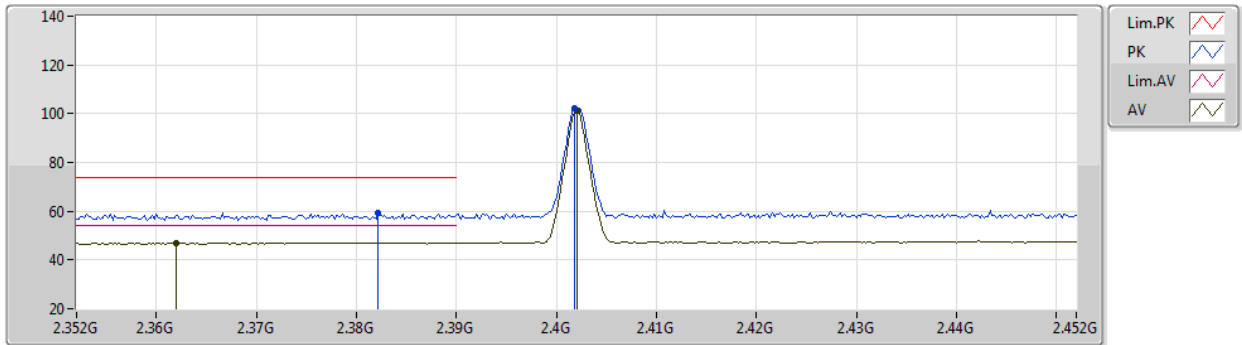
EUT Y_1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3592G	59.55	74.00	-14.45	27.87	3	Vertical	343	2.66	-	28.18	3.50	-
AV	2.3858G	47.22	54.00	-6.78	15.46	3	Vertical	343	2.66	-	28.26	3.50	-
PK	2.402G	104.56	Inf	-Inf	72.75	3	Vertical	343	2.66	-	28.31	3.50	-
AV	2.402G	103.66	Inf	-Inf	71.85	3	Vertical	343	2.66	-	28.31	3.50	-

BT-BR(1Mbps)

2402MHz_TX

15/06/2020



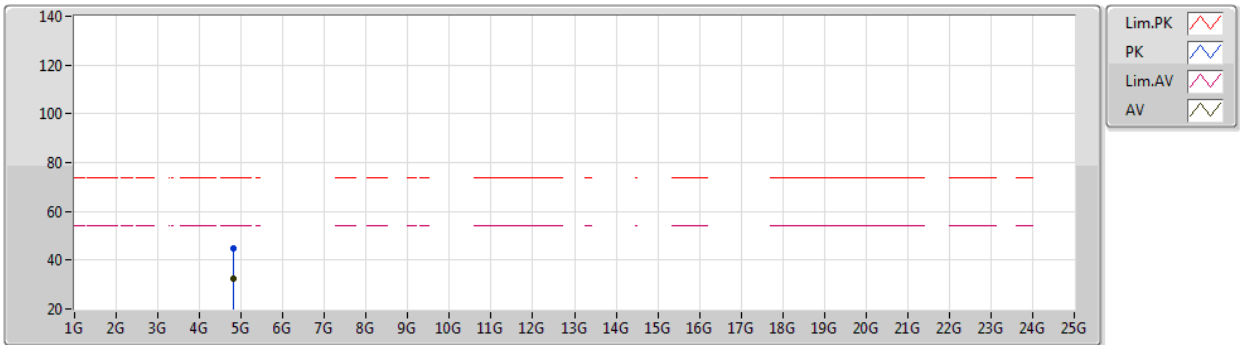
EUT Y_1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3822G	59.35	74.00	-14.65	27.60	3	Horizontal	7	2.14	-	28.25	3.50	-
AV	2.362G	47.06	54.00	-6.94	15.37	3	Horizontal	7	2.14	-	28.19	3.50	-
PK	2.4018G	102.05	Inf	-Inf	70.24	3	Horizontal	7	2.14	-	28.31	3.50	-
AV	2.402G	101.20	Inf	-Inf	69.39	3	Horizontal	7	2.14	-	28.31	3.50	-

BT-BR(1Mbps)

2402MHz_TX

15/06/2020



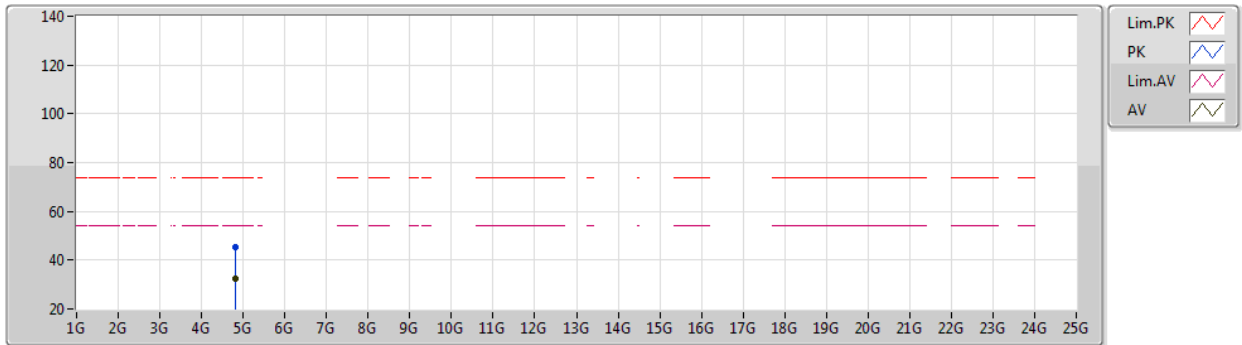
EUT Y_1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.81618G	44.76	74.00	-29.24	36.47	3	Vertical	197	2.89	-	32.86	5.81	30.38
AV	4.81396G	32.40	54.00	-21.60	24.11	3	Vertical	197	2.89	-	32.86	5.81	30.38

BT-BR(1Mbps)

2402MHz_TX

15/06/2020



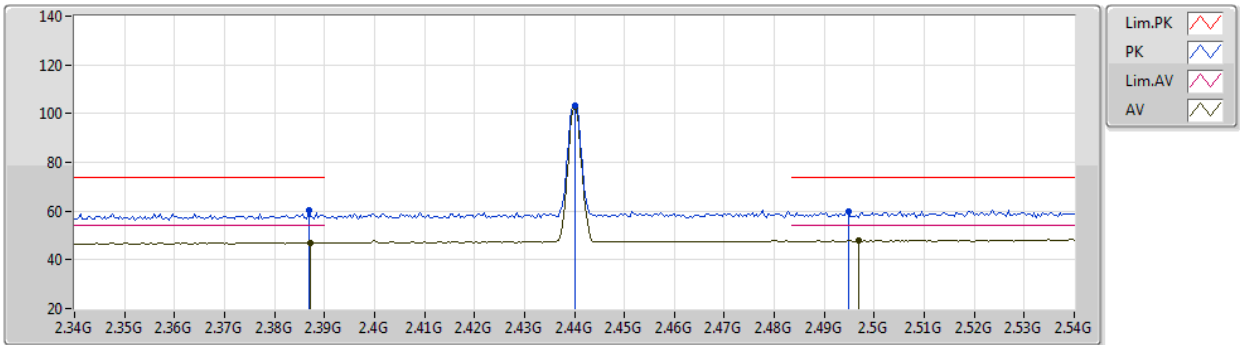
EUT_V1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.80418G	45.12	74.00	-28.88	36.88	3	Horizontal	73	1.74	-	32.82	5.80	30.38
AV	4.81G	32.52	54.00	-21.48	24.26	3	Horizontal	73	1.74	-	32.84	5.80	30.38

BT-BR(1Mbps)

2440MHz_TX

15/06/2020



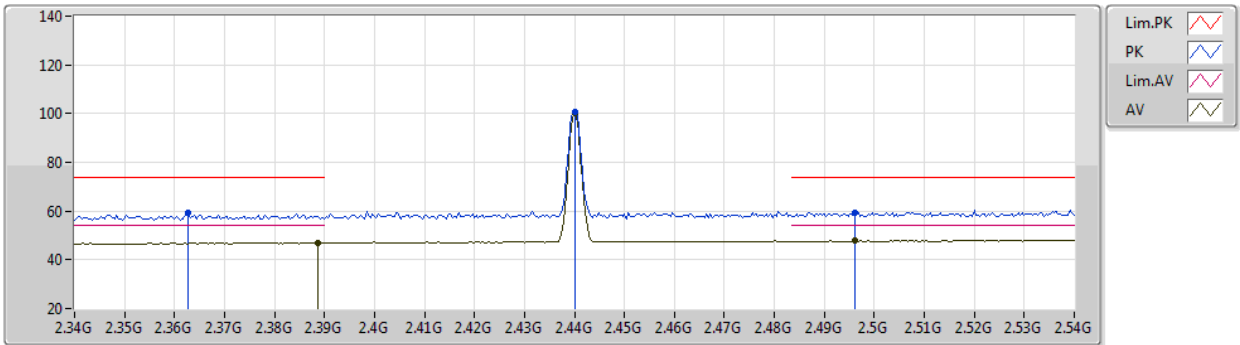
EUT Y_1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3868G	60.17	74.00	-13.83	28.41	3	Vertical	355	2.64	-	28.26	3.50	-
AV	2.3872G	47.06	54.00	-6.94	15.30	3	Vertical	355	2.64	-	28.26	3.50	-
PK	2.44G	103.40	Inf	-Inf	71.44	3	Vertical	355	2.64	-	28.42	3.54	-
AV	2.44G	102.55	Inf	-Inf	70.59	3	Vertical	355	2.64	-	28.42	3.54	-
PK	2.4948G	59.70	74.00	-14.30	27.53	3	Vertical	355	2.64	-	28.58	3.59	-
AV	2.4968G	47.85	54.00	-6.15	15.66	3	Vertical	355	2.64	-	28.59	3.60	-

BT-BR(1Mbps)

2440MHz_TX

15/06/2020



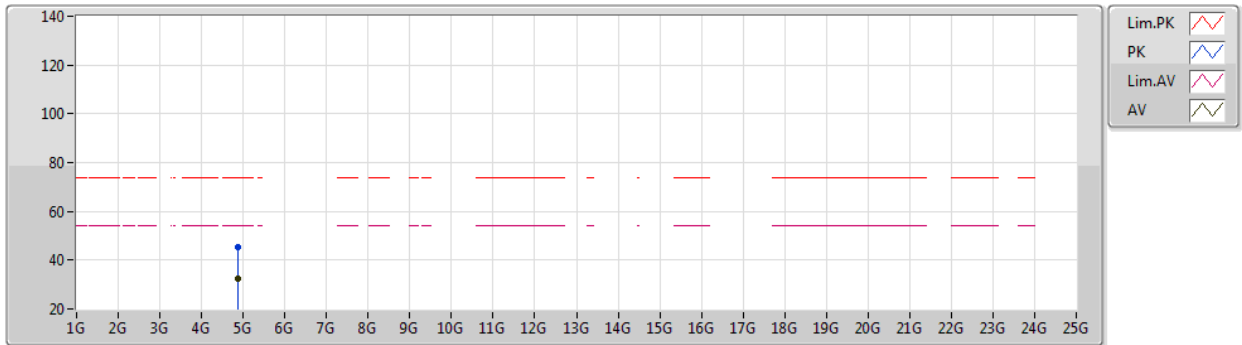
EUT Y_1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3628G	59.28	74.00	-14.72	27.59	3	Horizontal	7	2.31	-	28.19	3.50	-
AV	2.3888G	47.00	54.00	-7.00	15.23	3	Horizontal	7	2.31	-	28.27	3.50	-
PK	2.44G	100.89	Inf	-Inf	68.93	3	Horizontal	7	2.31	-	28.42	3.54	-
AV	2.44G	100.03	Inf	-Inf	68.07	3	Horizontal	7	2.31	-	28.42	3.54	-
PK	2.496G	59.34	74.00	-14.66	27.15	3	Horizontal	7	2.31	-	28.59	3.60	-
AV	2.496G	48.02	54.00	-5.98	15.83	3	Horizontal	7	2.31	-	28.59	3.60	-

BT-BR(1Mbps)

2440MHz_TX

15/06/2020



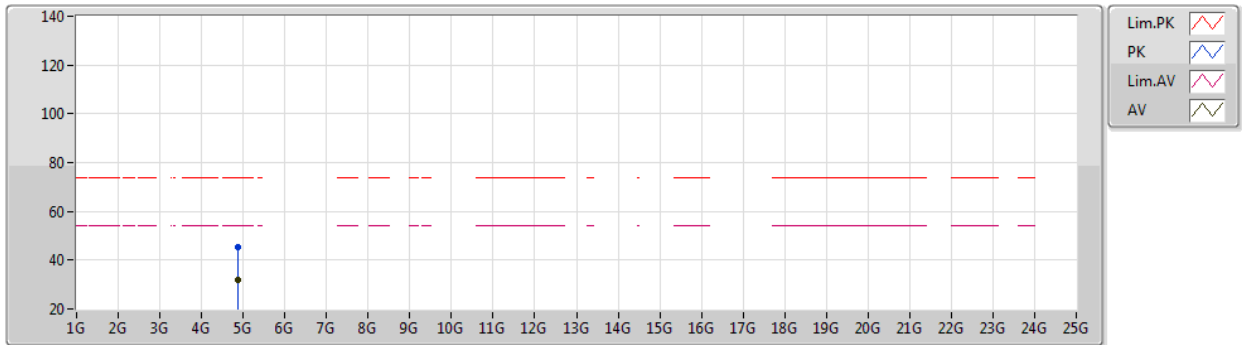
EUT_V1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87904G	45.09	74.00	-28.91	36.49	3	Vertical	125	1.04	-	33.12	5.84	30.36
AV	4.87514G	32.27	54.00	-21.73	23.69	3	Vertical	125	1.04	-	33.10	5.84	30.36

BT-BR(1Mbps)

2440MHz_TX

15/06/2020



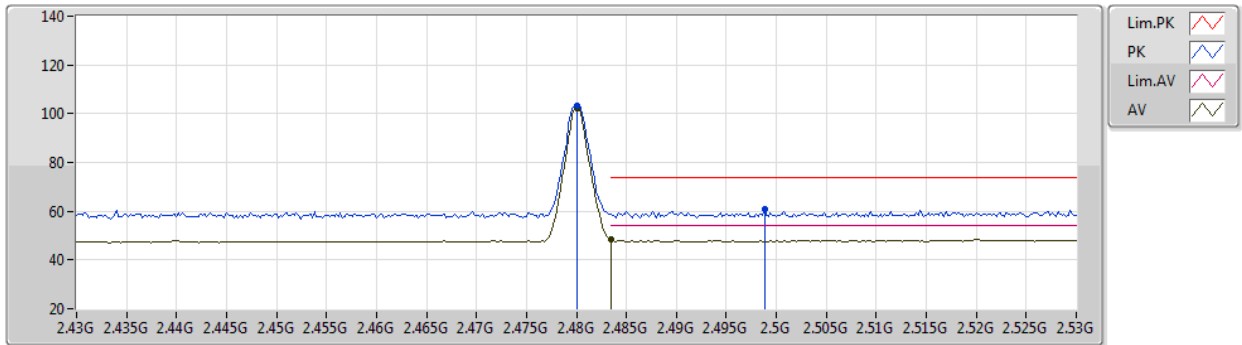
EUT Y_1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87776G	45.57	74.00	-28.43	36.98	3	Horizontal	170	1.10	-	33.11	5.84	30.36
AV	4.87864G	32.10	54.00	-21.90	23.51	3	Horizontal	170	1.10	-	33.11	5.84	30.36

BT-BR(1Mbps)

2480MHz_TX

15/06/2020



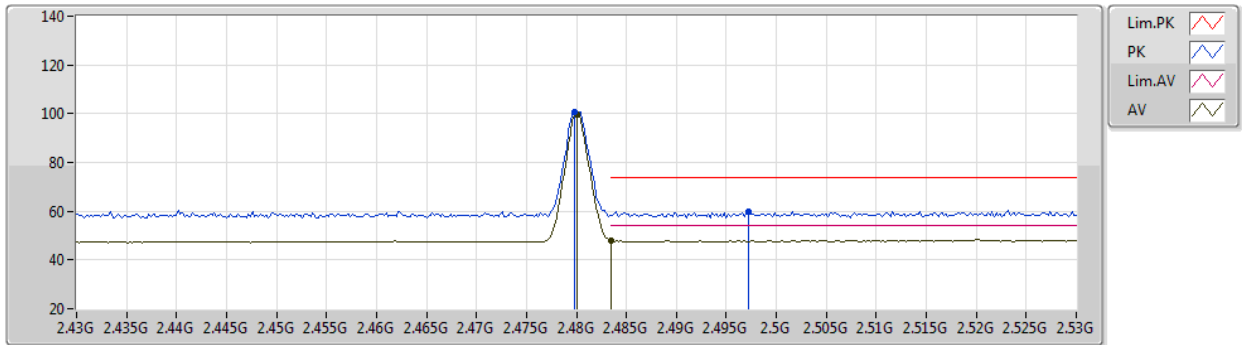
EUT Y_1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.48G	103.27	Inf	-Inf	71.15	3	Vertical	338	2.55	-	28.54	3.58	-
AV	2.48G	102.36	Inf	-Inf	70.24	3	Vertical	338	2.55	-	28.54	3.58	-
PK	2.4988G	60.63	74.00	-13.37	28.43	3	Vertical	338	2.55	-	28.60	3.60	-
AV	2.4835G	48.28	54.00	-5.72	16.15	3	Vertical	338	2.55	-	28.55	3.58	-

BT-BR(1Mbps)

2480MHz_TX

15/06/2020



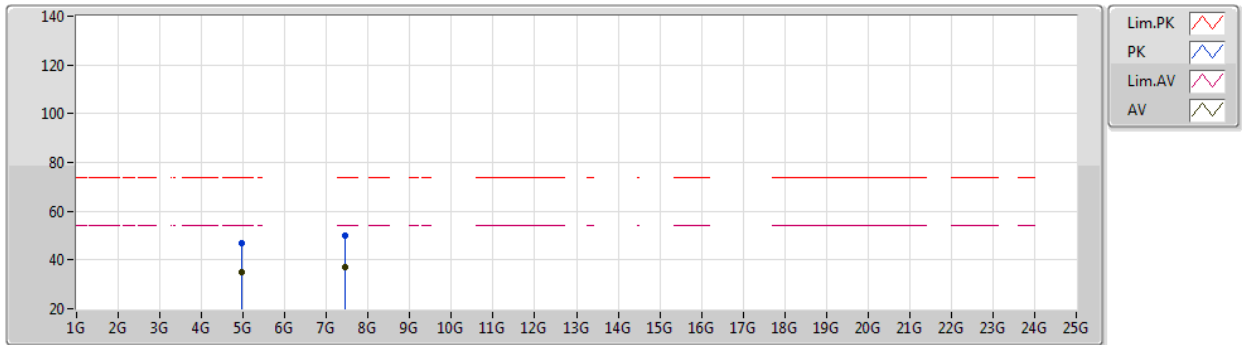
EUT Y_1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4798G	100.62	Inf	-Inf	68.50	3	Horizontal	7	2.74	-	28.54	3.58	-
AV	2.48G	99.81	Inf	-Inf	67.69	3	Horizontal	7	2.74	-	28.54	3.58	-
PK	2.4972G	59.79	74.00	-14.21	27.60	3	Horizontal	7	2.74	-	28.59	3.60	-
AV	2.4835G	48.06	54.00	-5.94	15.93	3	Horizontal	7	2.74	-	28.55	3.58	-

BT-BR(1Mbps)

2480MHz_TX

15/06/2020



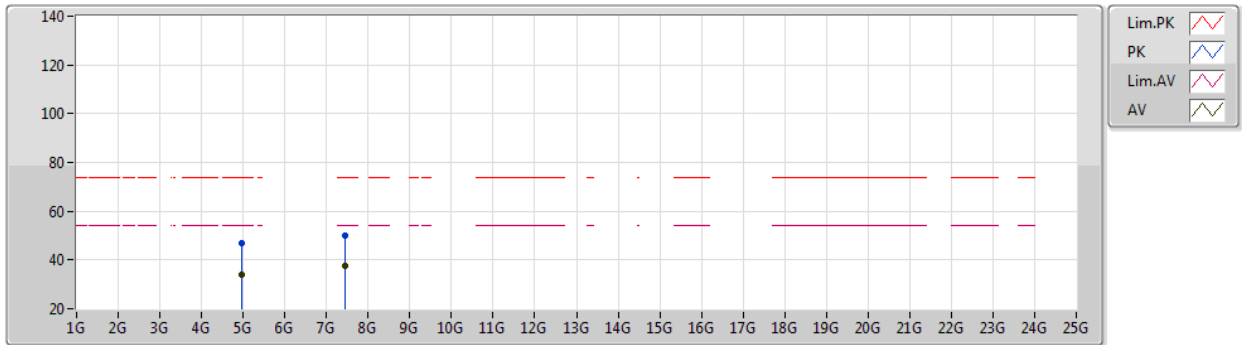
EUT Y_1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.95976G	47.01	74.00	-26.99	38.21	3	Vertical	0	1.80	-	33.26	5.88	30.34
AV	4.96006G	34.88	54.00	-19.12	26.08	3	Vertical	0	1.80	-	33.26	5.88	30.34
PK	7.45242G	49.92	74.00	-24.08	38.21	3	Vertical	67	2.41	-	36.40	6.83	31.52
AV	7.4397G	37.06	54.00	-16.94	25.35	3	Vertical	67	2.41	-	36.40	6.82	31.51

BT-BR(1Mbps)

2480MHz_TX

15/06/2020



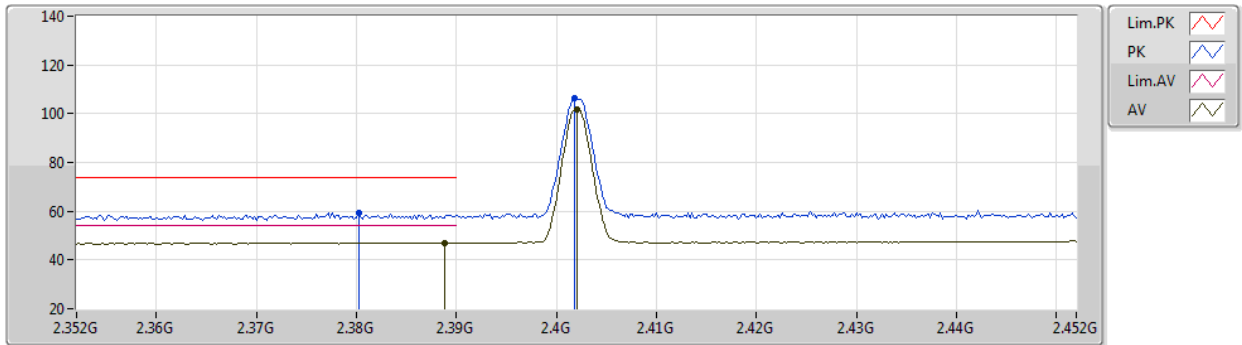
EUT Y_1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.97458G	46.78	74.00	-27.22	37.96	3	Horizontal	343	2.01	-	33.27	5.89	30.34
AV	4.96G	34.13	54.00	-19.87	25.33	3	Horizontal	343	2.01	-	33.26	5.88	30.34
PK	7.4337G	50.13	74.00	-23.87	38.41	3	Horizontal	303	1.70	-	36.40	6.82	31.50
AV	7.43988G	37.59	54.00	-16.41	25.88	3	Horizontal	303	1.70	-	36.40	6.82	31.51

BT-EDR(3Mbps)

2402MHz_TX

15/06/2020



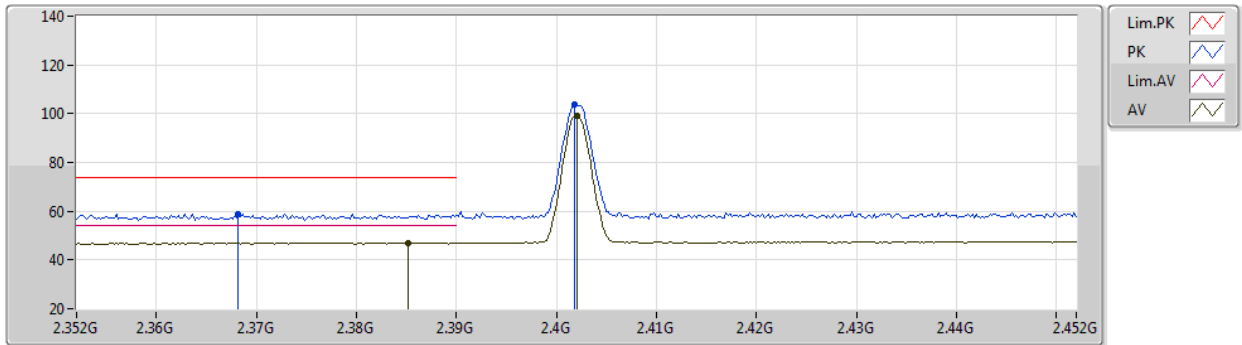
EUT Y_1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3802G	59.23	74.00	-14.77	27.49	3	Vertical	348	2.65	-	28.24	3.50	-
AV	2.3888G	47.11	54.00	-6.89	15.34	3	Vertical	348	2.65	-	28.27	3.50	-
PK	2.4018G	106.24	Inf	-Inf	74.43	3	Vertical	348	2.65	-	28.31	3.50	-
AV	2.402G	101.92	Inf	-Inf	70.11	3	Vertical	348	2.65	-	28.31	3.50	-

BT-EDR(3Mbps)

2402MHz_TX

15/06/2020



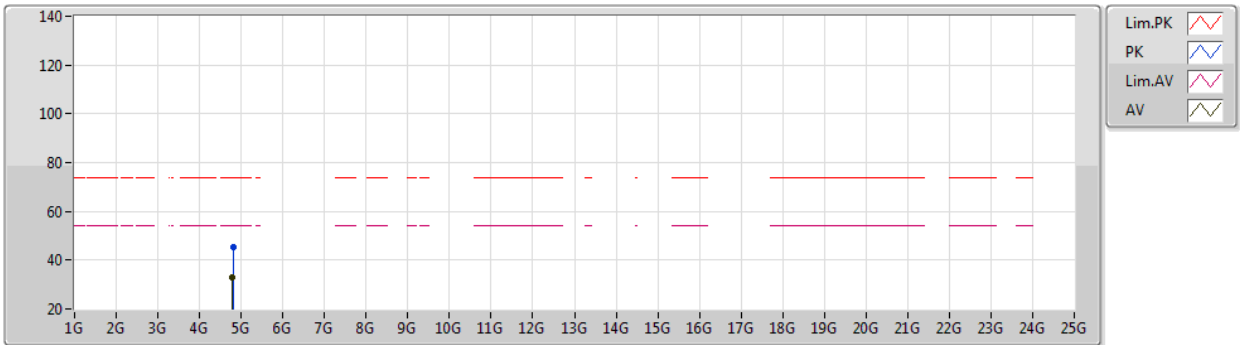
EUT Y_1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3682G	58.88	74.00	-15.12	27.18	3	Horizontal	6	2.14	-	28.20	3.50	-
AV	2.3852G	47.07	54.00	-6.93	15.31	3	Horizontal	6	2.14	-	28.26	3.50	-
PK	2.4018G	103.58	Inf	-Inf	71.77	3	Horizontal	6	2.14	-	28.31	3.50	-
AV	2.402G	99.32	Inf	-Inf	67.51	3	Horizontal	6	2.14	-	28.31	3.50	-

BT-EDR(3Mbps)

15/06/2020

2402MHz_TX



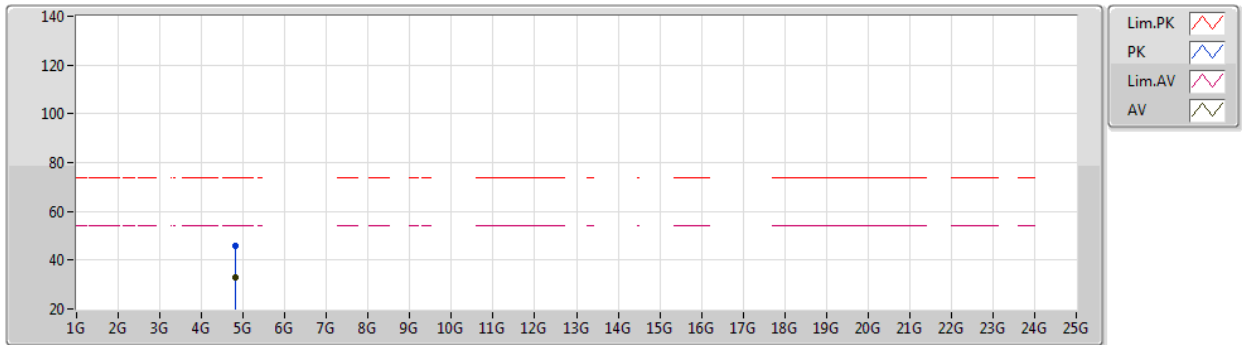
EUT_V1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.81738G	45.54	74.00	-28.46	37.23	3	Vertical	42	2.43	-	32.87	5.81	30.37
AV	4.79122G	32.76	54.00	-21.24	24.56	3	Vertical	42	2.43	-	32.79	5.79	30.38

BT-EDR(3Mbps)

15/06/2020

2402MHz_TX



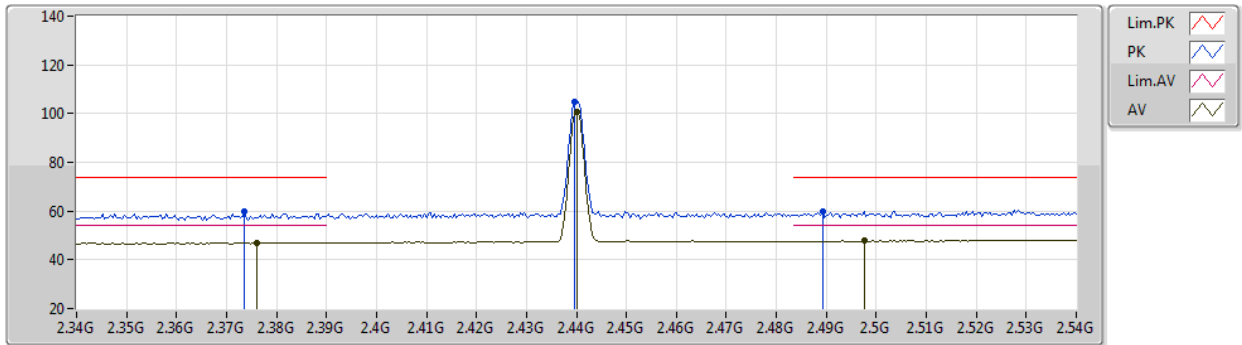
EUT_V1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.79902G	45.67	74.00	-28.33	37.45	3	Horizontal	203	1.23	-	32.80	5.80	30.38
AV	4.80646G	32.83	54.00	-21.17	24.58	3	Horizontal	203	1.23	-	32.83	5.80	30.38

BT-EDR(3Mbps)

2440MHz_TX

15/06/2020



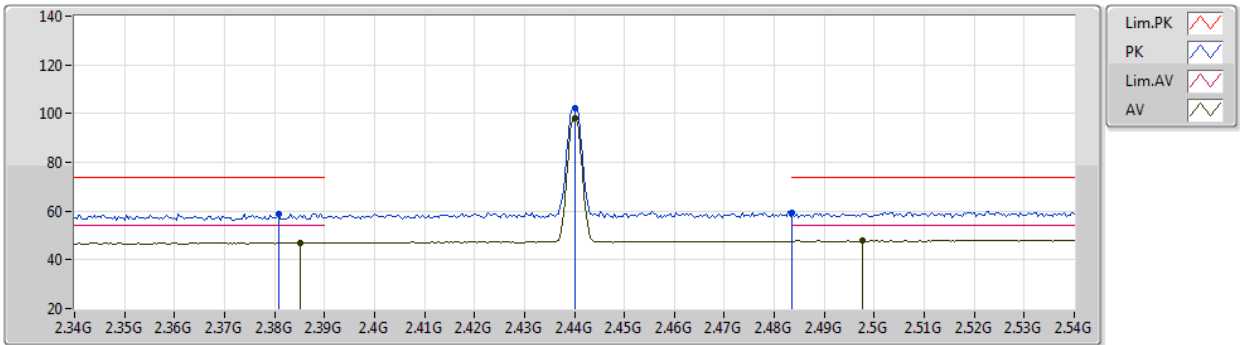
EUT Y_1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3736G	59.68	74.00	-14.32	27.96	3	Vertical	354	2.64	-	28.22	3.50	-
AV	2.376G	46.95	54.00	-7.05	15.22	3	Vertical	354	2.64	-	28.23	3.50	-
PK	2.4396G	104.85	Inf	-Inf	72.89	3	Vertical	354	2.64	-	28.42	3.54	-
AV	2.44G	100.56	Inf	-Inf	68.60	3	Vertical	354	2.64	-	28.42	3.54	-
PK	2.4892G	59.96	74.00	-14.04	27.80	3	Vertical	354	2.64	-	28.57	3.59	-
AV	2.4976G	47.80	54.00	-6.20	15.61	3	Vertical	354	2.64	-	28.59	3.60	-

BT-EDR(3Mbps)

2440MHz_TX

15/06/2020



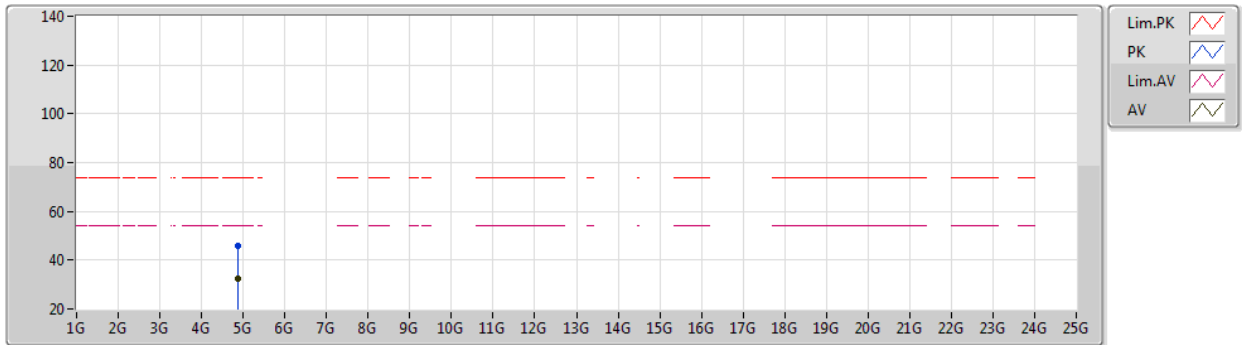
EUT Y_1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3808G	58.98	74.00	-15.02	27.24	3	Horizontal	5	2.31	-	28.24	3.50	-
AV	2.3852G	47.04	54.00	-6.96	15.28	3	Horizontal	5	2.31	-	28.26	3.50	-
PK	2.44G	102.36	Inf	-Inf	70.40	3	Horizontal	5	2.31	-	28.42	3.54	-
AV	2.44G	97.98	Inf	-Inf	66.02	3	Horizontal	5	2.31	-	28.42	3.54	-
PK	2.4835G	59.30	74.00	-14.70	27.17	3	Horizontal	5	2.31	-	28.55	3.58	-
AV	2.4976G	47.79	54.00	-6.21	15.60	3	Horizontal	5	2.31	-	28.59	3.60	-

BT-EDR(3Mbps)

15/06/2020

2440MHz_TX



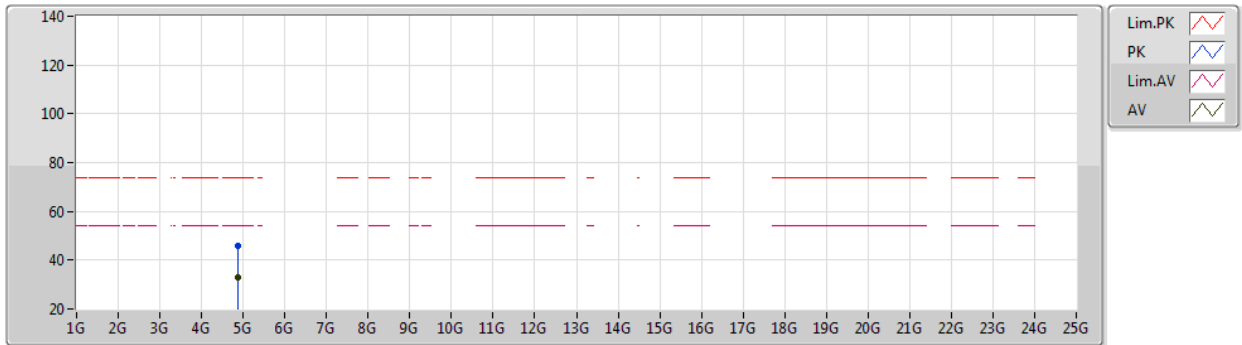
EUT_V1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8851G	46.08	74.00	-27.92	37.45	3	Vertical	211	1.35	-	33.14	5.84	30.35
AV	4.86584G	32.66	54.00	-21.34	24.13	3	Vertical	211	1.35	-	33.06	5.83	30.36

BT-EDR(3Mbps)

15/06/2020

2440MHz_TX



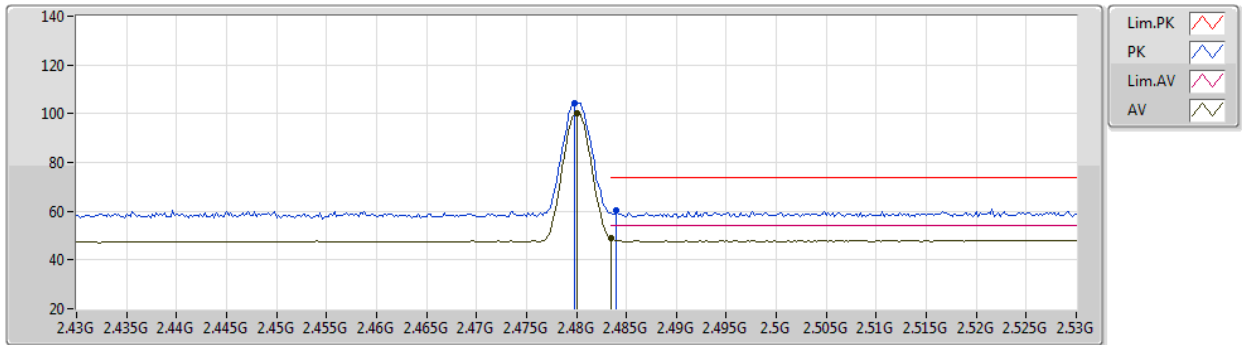
EUT_V1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8695G	45.75	74.00	-28.25	37.20	3	Horizontal	348	2.80	-	33.08	5.83	30.36
AV	4.86596G	32.95	54.00	-21.05	24.42	3	Horizontal	348	2.80	-	33.06	5.83	30.36

BT-EDR(3Mbps)

2480MHz_TX

15/06/2020



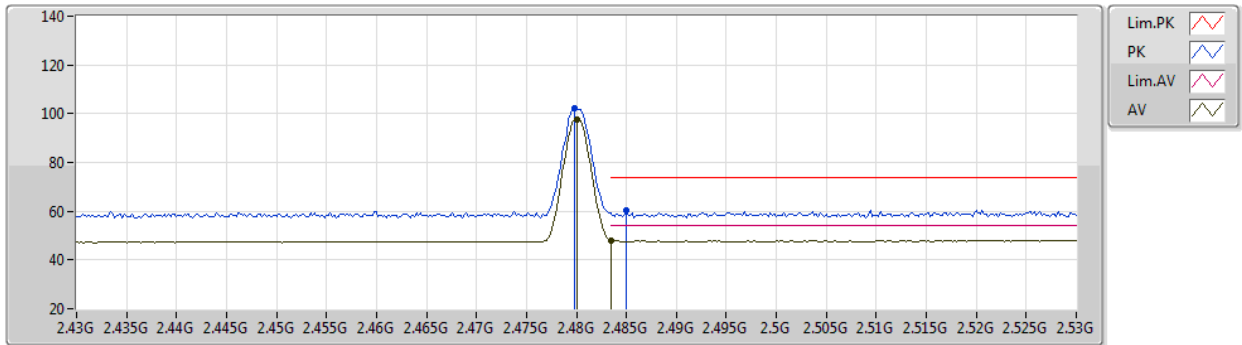
EUT Y_1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4798G	104.37	Inf	-Inf	72.25	3	Vertical	338	2.30	-	28.54	3.58	-
AV	2.48G	100.03	Inf	-Inf	67.91	3	Vertical	338	2.30	-	28.54	3.58	-
PK	2.484G	60.59	74.00	-13.41	28.46	3	Vertical	338	2.30	-	28.55	3.58	-
AV	2.4835G	48.73	54.00	-5.27	16.60	3	Vertical	338	2.30	-	28.55	3.58	-

BT-EDR(3Mbps)

2480MHz_TX

15/06/2020



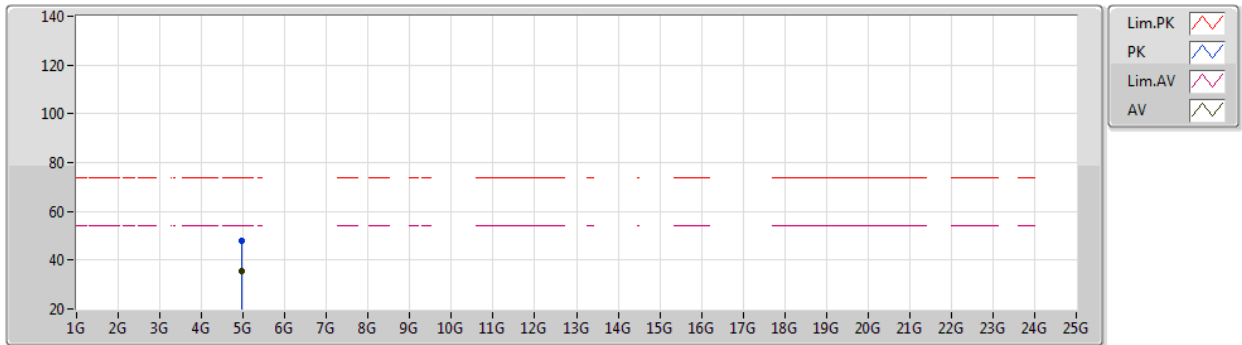
EUT Y_1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4798G	102.08	Inf	-Inf	69.96	3	Horizontal	7	2.74	-	28.54	3.58	-
AV	2.48G	97.71	Inf	-Inf	65.59	3	Horizontal	7	2.74	-	28.54	3.58	-
PK	2.485G	60.33	74.00	-13.67	28.18	3	Horizontal	7	2.74	-	28.56	3.59	-
AV	2.4835G	48.12	54.00	-5.88	15.99	3	Horizontal	7	2.74	-	28.55	3.58	-

BT-EDR(3Mbps)

15/06/2020

2480MHz_TX



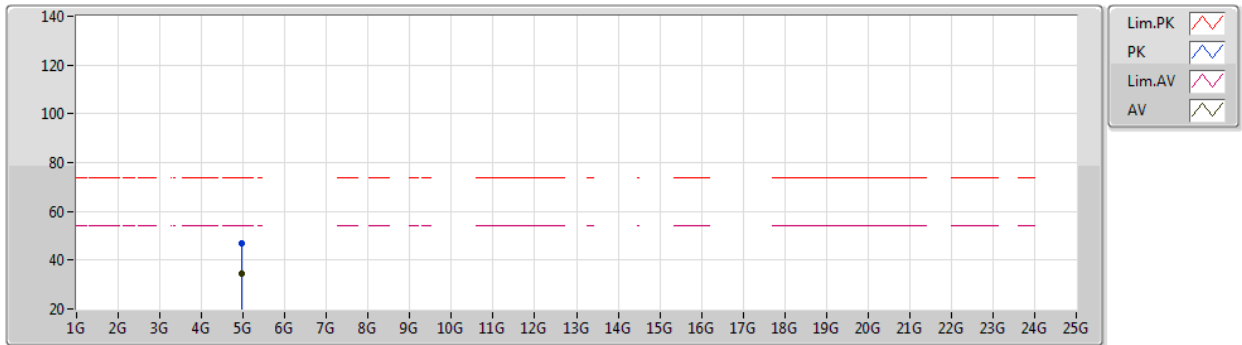
EUT Y_1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.96024G	47.85	74.00	-26.15	39.05	3	Vertical	22	1.91	-	33.26	5.88	30.34
AV	4.95988G	35.55	54.00	-18.45	26.75	3	Vertical	22	1.91	-	33.26	5.88	30.34

BT-EDR(3Mbps)

2480MHz_TX

15/06/2020



EUT_V1TX
Setting 4
02-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.96042G	46.71	74.00	-27.29	37.91	3	Horizontal	347	1.80	-	33.26	5.88	30.34
AV	4.96042G	34.63	54.00	-19.37	25.83	3	Horizontal	347	1.80	-	33.26	5.88	30.34