



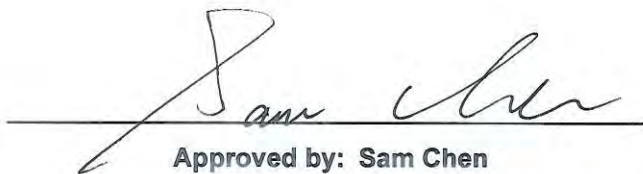
FCC RADIO TEST REPORT

FCC ID : RAXG3100
Equipment : Fios Home Router, Fios Business Router
Brand Name : Verizon
Model Name : G3100
Applicant : Arcadyan Technology Corporation
No.8, Sec.2, Guangfu Rd.,Hsinchu, 30071 Taiwan
Manufacturer : Arcadyan Technology Corporation
No.8, Sec.2, Guangfu Rd.,Hsinchu, 30071 Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Apr. 01, 2019, and testing was started from Apr. 02, 2019 and completed on Jun. 04, 2019. 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: Sam Chen

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



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TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB Ver1.0



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)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	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 Mode	Ch. Frequency (MHz)	Channel Number
2400-2483.5	LE	2402-2480	0-39 [40]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	BT-LE(1Mbps)	2	1TX
2.4-2.4835GHz	BT-LE(2Mbps)	2	1TX
2.4-2.4835GHz	BT-LE(500Kbps)	2	1TX
2.4-2.4835GHz	BT-LE(125Kbps)	2	1TX

Note:

- ♦ Bluetooth LE uses a GFSK modulation.
- ♦ BWch is the nominal channel bandwidth.
- ♦ Nss-Min is the minimum number of spatial streams.
- ♦ Nant is the number of outputs. e.g., 2(2, 3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

**1.1.2 Antenna Information****For WLAN and Bluetooth Antenna:**

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)			
						WLAN 2.4GHz	5GHz B1	5GHz B4	BT
1	4	Arcadyan	-	Monopole	N/A	2.2	0.4	-	-
2	2	Arcadyan	12080073700J	PCB	I-PEX	0.3	1.2	-	-
3	3	Arcadyan	12080073800J	PCB	I-PEX	2.49	0.9	-	-
4	1	Arcadyan	12080073900J	PCB	I-PEX	1.7	2.48	-	-
5	3	Arcadyan	12080073400J	PCB	I-PEX	-	-	0.7	-
6	2	Arcadyan	12080073300J	PCB	I-PEX	-	-	1.3	-
7	1	Arcadyan	12080073600J	PCB	I-PEX	-	-	0.4	-
8	4	Arcadyan	12080073500J	PCB	I-PEX	-	-	1.6	-
9	1	Arcadyan	-	PIFA	N/A	-	-	-	-0.85

For Zigbee and Z-wave Antenna:

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	
						Zigbee	Z-wave
10	1	Arcadyan	-	PIFA	N/A	4.4	-
11	1	Arcadyan	-	PIFA	N/A	-	0.7

Note: The above information was declared by manufacturer.

<For WLAN 2.4GHz Function>**For IEEE 802.11b mode (1TX/1RX):**

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

For IEEE 802.11g/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 WLAN 5GHz Band 1/Band 4 Function>**For IEEE 802.11a/n/ac 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>**For Bluetooth mode (1TX/1RX)**

Only Port 1 can be use as transmit and receive antenna.

**<For Zigbee Function>****For Zigbee mode (1TX/1RX)**

Only Port 1 can be use as transmit and receive antenna.

<For Z-wave Function>**For Z-wave mode (1TX/1RX)**

Only Port 1 can be use as transmit and receive antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
BT-LE(1Mbps)	0.63	2.01	397.5u	3k
BT-LE(2Mbps)	0.334	4.76	213.75u	10k
BT-LE(500Kbps)	0.571	2.43	1.076m	1k
BT-LE(125Kbps)	0.58	2.37	1.087m	1k

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From power adapter		
Function	☒ Point-to-multipoint	☐ Point-to-point	
Test Software Version	MTool 3.1.0.1		
Support Mode	☒	LE 1M PHY: 1 Mb/s	
	☒	LE Coded PHY (S=2): 500 Kb/s	
	☒	LE Coded PHY (S=8): 125 Kb/s	
	☒	LE 2M PHY: 2 Mb/s	

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The equipment names in the following table are all refer to the identical product.

Equipment Name	Model Name	Description
Fios Home Router	G3100	All the equipments are identical, the difference equipment name served as marketing strategy.
Fios Business Router		



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
- ♦ ANSI C63.10-2013
- ♦ FCC KDB 558074 D01 v05r02

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	22~24°C / 53~55%	May 02, 2019~Jun. 04, 2019
Radiated (below 1GHz)	03CH04-CB	Stim Sung	22~24°C / 50~60%	Apr. 02, 2019~Jun. 04, 2019
Radiated (above 1GHz)	03CH06-CB			
AC Conduction	CO02-CB	GN Hou	21.2~22.4°C / 62~65%	May 14, 2019

Test site Designation No. TW0006 with FCC.

Test site registered number IC 4086B 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)	3.9 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	1.3 dB	Confidence levels of 95%
Bandwidth Measurement	9.74 x10 ⁻⁵	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	12
2440MHz	11.6
2480MHz	11.5
BT-LE(2Mbps)	-
2402MHz	14.1
2440MHz	13.9
2480MHz	7.5
BT-LE(500Kbps)	-
2402MHz	13.5
2440MHz	13.5
2480MHz	13.5
BT-LE(125Kbps)	-
2402MHz	17.5
2440MHz	17.5
2480MHz	17.5

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	CTX
1	WLAN 2.4GHz – EUT + Adapter 1
2	WLAN 2.4GHz – EUT + Adapter 2
Mode 2 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3~7 will follow this same test mode.	
3	WLAN 5GHz – EUT + Adapter 2
4	Bluetooth 4.0 – EUT + Adapter 2
5	Bluetooth 5.0 – EUT + Adapter 2
6	Z-wave – EUT + Adapter 2
7	Zigbee – EUT + Adapter 2
For operating mode 7 is the worst case and it was record in this test report.	

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



The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
1	WLAN 2.4GHz – EUT + Adapter 1
2	WLAN 2.4GHz – EUT + Adapter 2
Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3~7 will follow this same test mode.	
3	WLAN 5GHz – EUT + Adapter 1
4	Bluetooth 4.0 – EUT + Adapter 1
5	Bluetooth 5.0 – EUT + Adapter 1
6	Z-wave – EUT + Adapter 1
7	Zigbee – EUT + Adapter 1
For operating mode 4 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX

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 Band 1 + WLAN 5GHz Band 4 + Bluetooth + Z-wave
2	WLAN 2.4GHz + WLAN 5GHz Band 1 + WLAN 5GHz Band 4 + Zigbee + Z-wave
Refer to Sporton Test Report No.: FA932731 for Co-location RF Exposure Evaluation.	

Note: The EUT can only be used at Y axis position.



2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

Accessories				
No.	Equipment Name	Brand Name	Model Name	Rating
1	Adapter 1	LEI	ML42AY120350-A1	INPUT: 105-125V ~ 60Hz, 1.5A OUTPUT: 12V, 3.5A
2	Adapter 2	Delta	ADH-42AW B	INPUT: 105-125V ~ 60Hz, 1.2A OUTPUT: 12V, 3.5A
No.	Other			
3	RJ-45 cable	Non-shielded: 3m		

2.5 Support Equipment

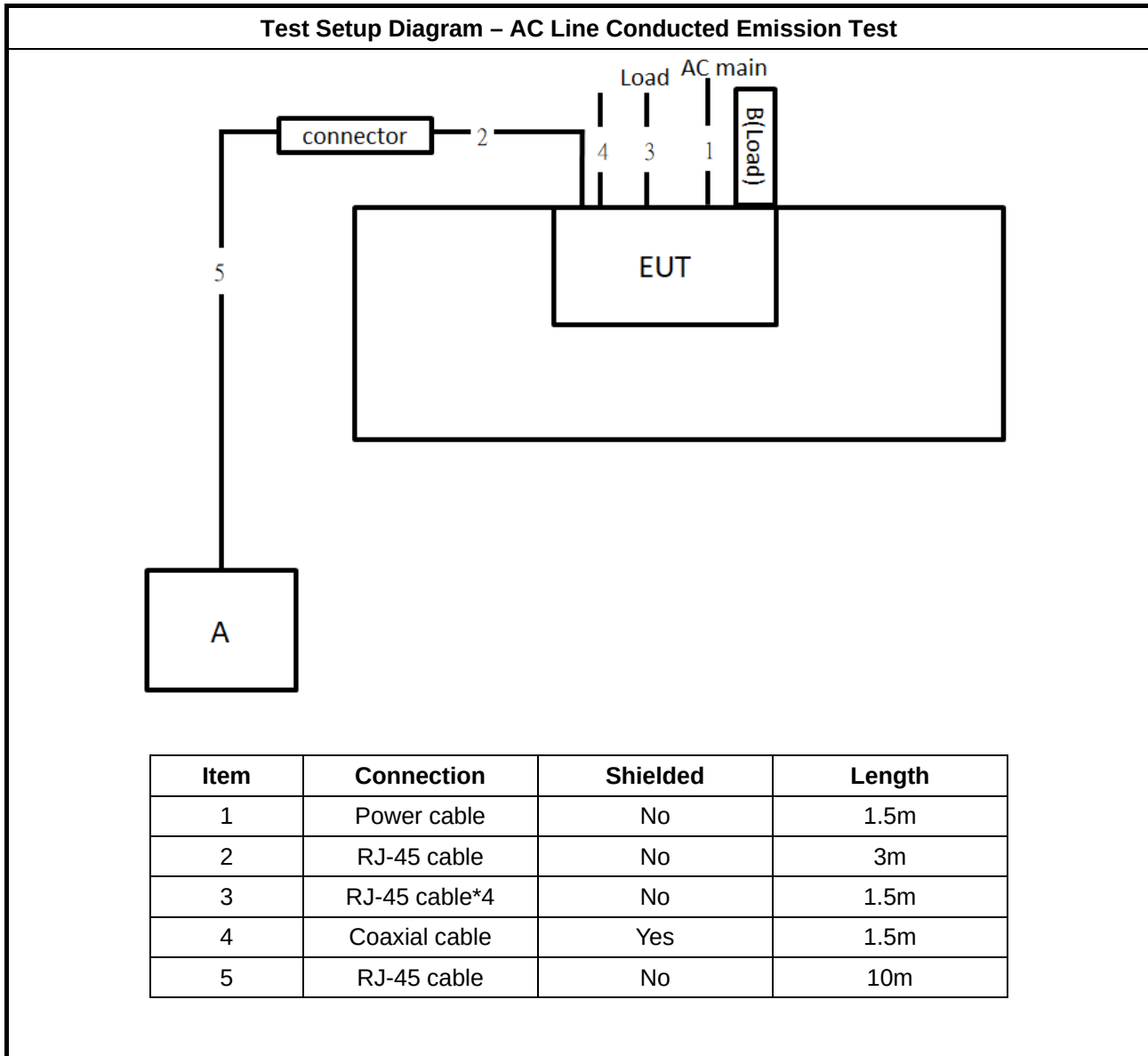
For AC Conduction:

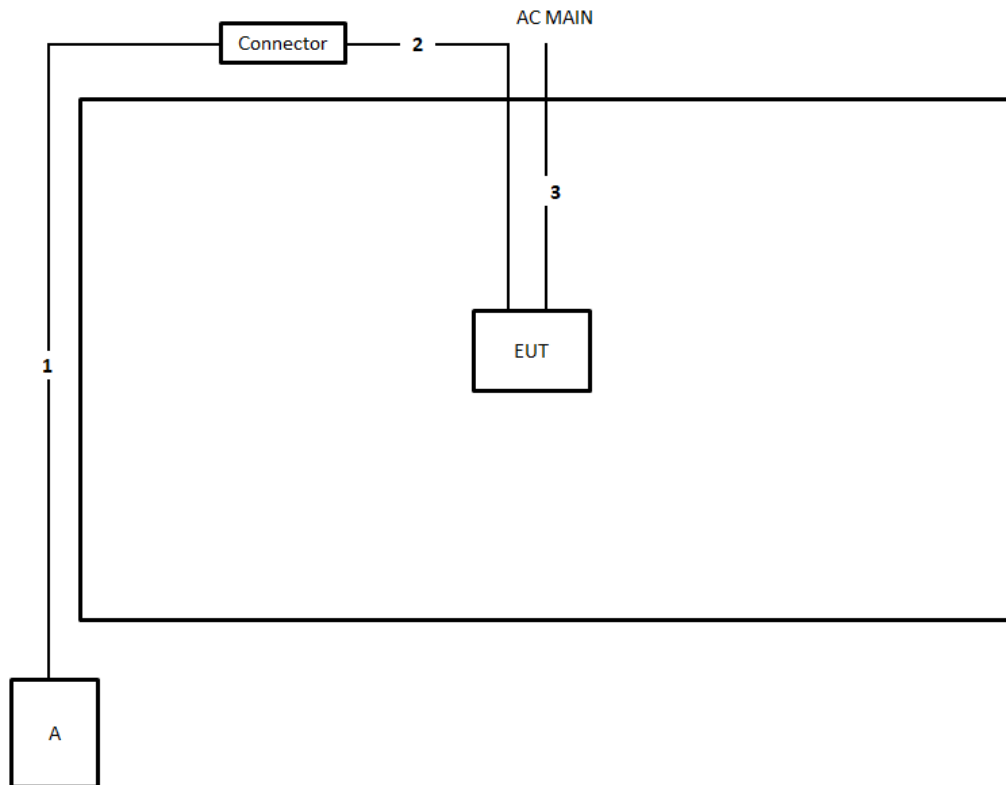
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E6430	N/A
B	Flash disk3.0	Transcend	JetFlash-700	N/A
C	Fixture	Silicon LABs	BRD4001A+SLSDA001A	N/A

For RF Conducted and Radiated:

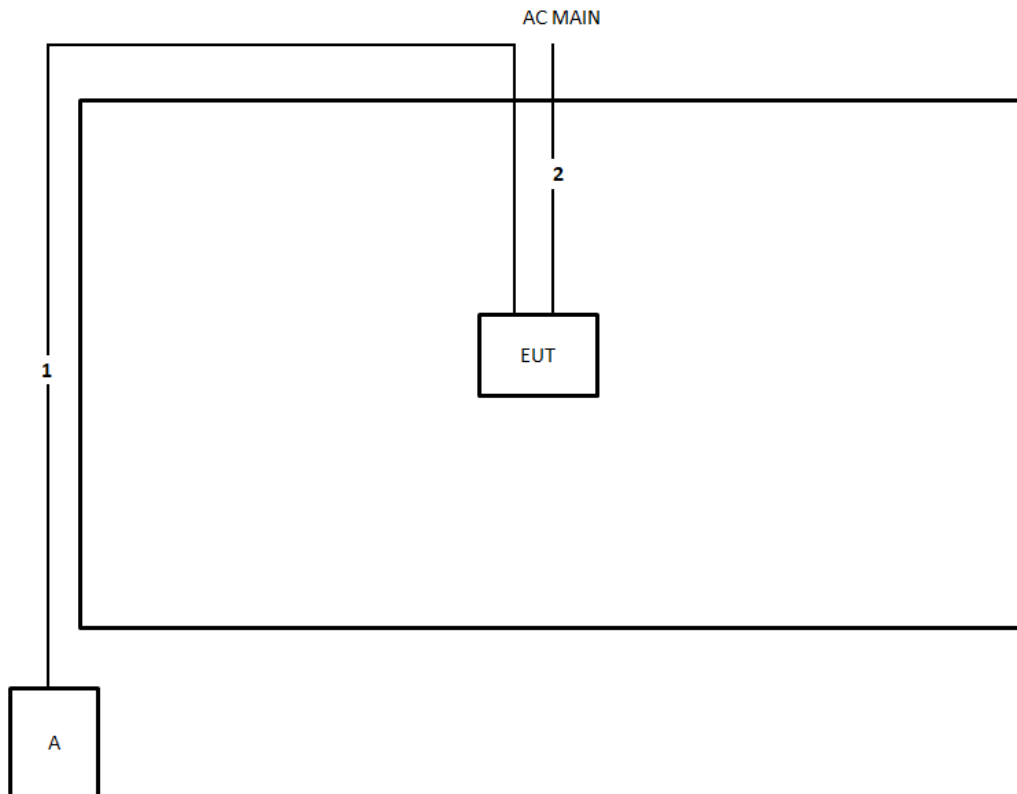
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test (below 1GHz)


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

Test Setup Diagram - Radiated Test (above 1GHz)


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



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.

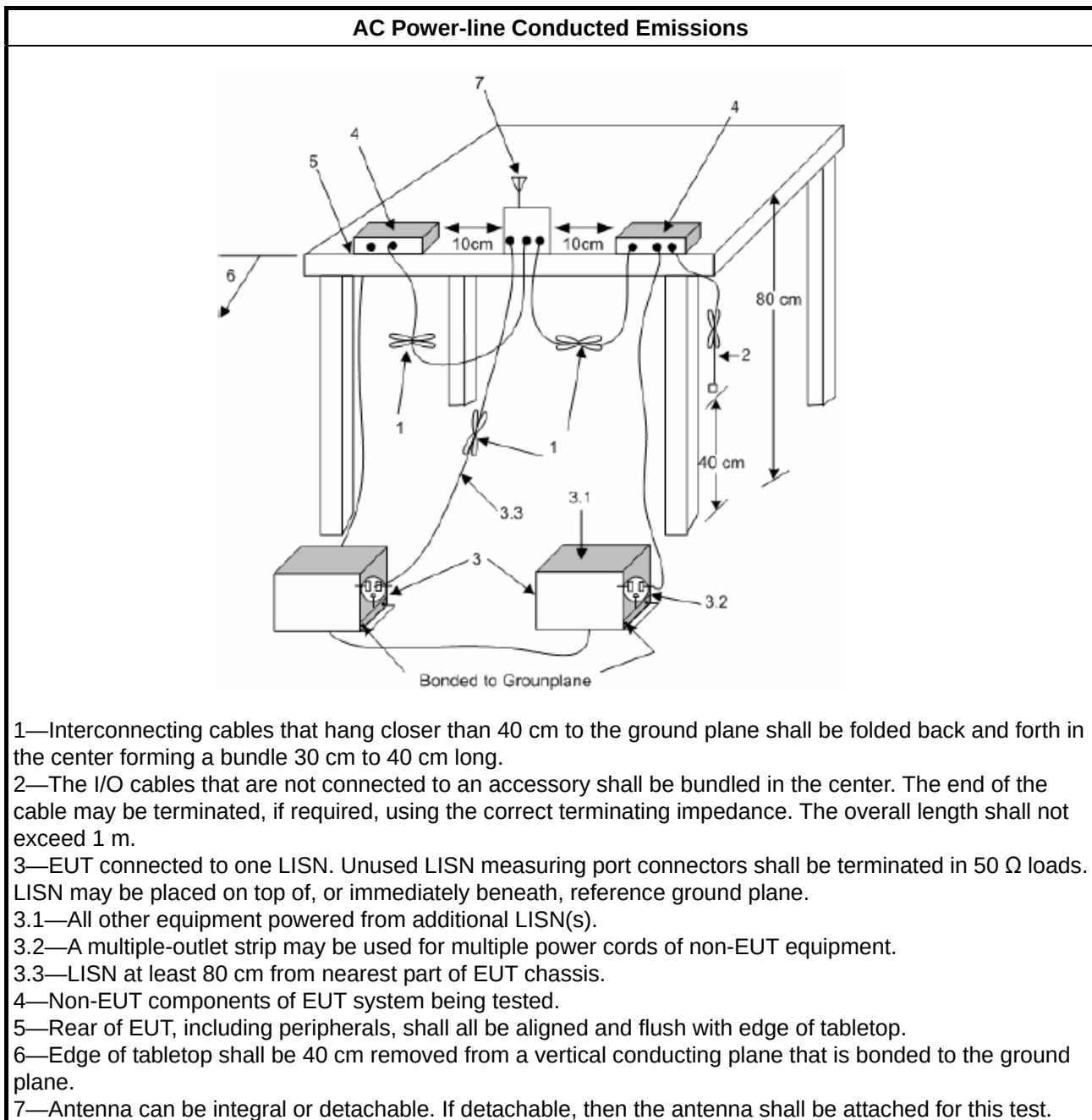
3.1.2 Measuring Instruments

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



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

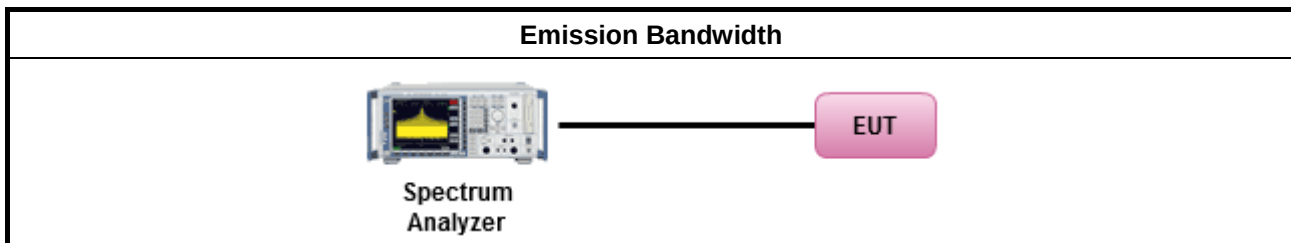
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
☒	Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
☐	Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
▪ Maximum Peak Conducted Output Power	
☐	Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW $\geq$ EBW method).
☐	Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
▪ Maximum Conducted Output Power	
[duty cycle $\geq$ 98% or external video / power trigger]	
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
duty cycle < 98% and average over on/off periods with duty factor	
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
Measurement using a power meter (PM)	
☒	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
☐	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).

▪ For conducted measurement.

- If the EUT supports multiple transmit chains using options given below:
Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
- If multiple transmit chains, EIRP calculation could be following as methods:

$$P_{\text{total}} = P_1 + P_2 + \dots + P_n$$
 (calculated in linear unit [mW] and transfer to log unit [dBm])

$$\text{EIRP}_{\text{total}} = P_{\text{total}} + \text{DG}$$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

3.4.2 Measuring Instruments

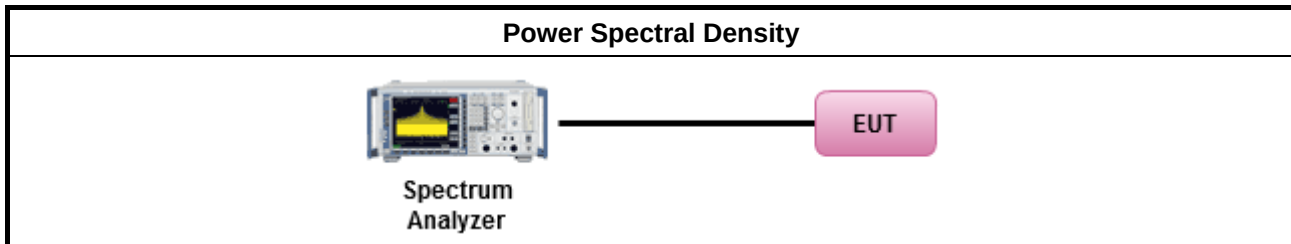
Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
☒ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.2 Method PKPSD. [duty cycle $\geq 98\%$ or external video / power trigger]
☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.3 Method AVGPS-1.
☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.5 Method AVGPS-2.
☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.7 Method AVGPS-3.
duty cycle $< 98\%$ and average over on/off periods with duty factor
☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.4 Method AVGPS-1A. (alternative).
☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.6 Method AVGPS-2A. (alternative)
☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.8 Method AVGPS-3A. (alternative)
▪ For conducted measurement.
▪ If The EUT supports multiple transmit chains using options given below:
☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,

- | | |
|--|--|
| | ☐ Option 3: Measure and add $10 \log(N)$ dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with $10 \log(N)$. Or each transmit chains shall be add $10 \log(N)$ to compared with the limit. |
|--|--|

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dBc)
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.	

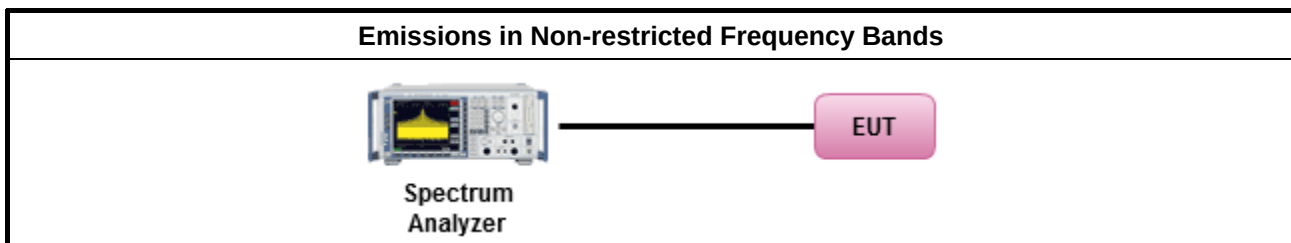
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

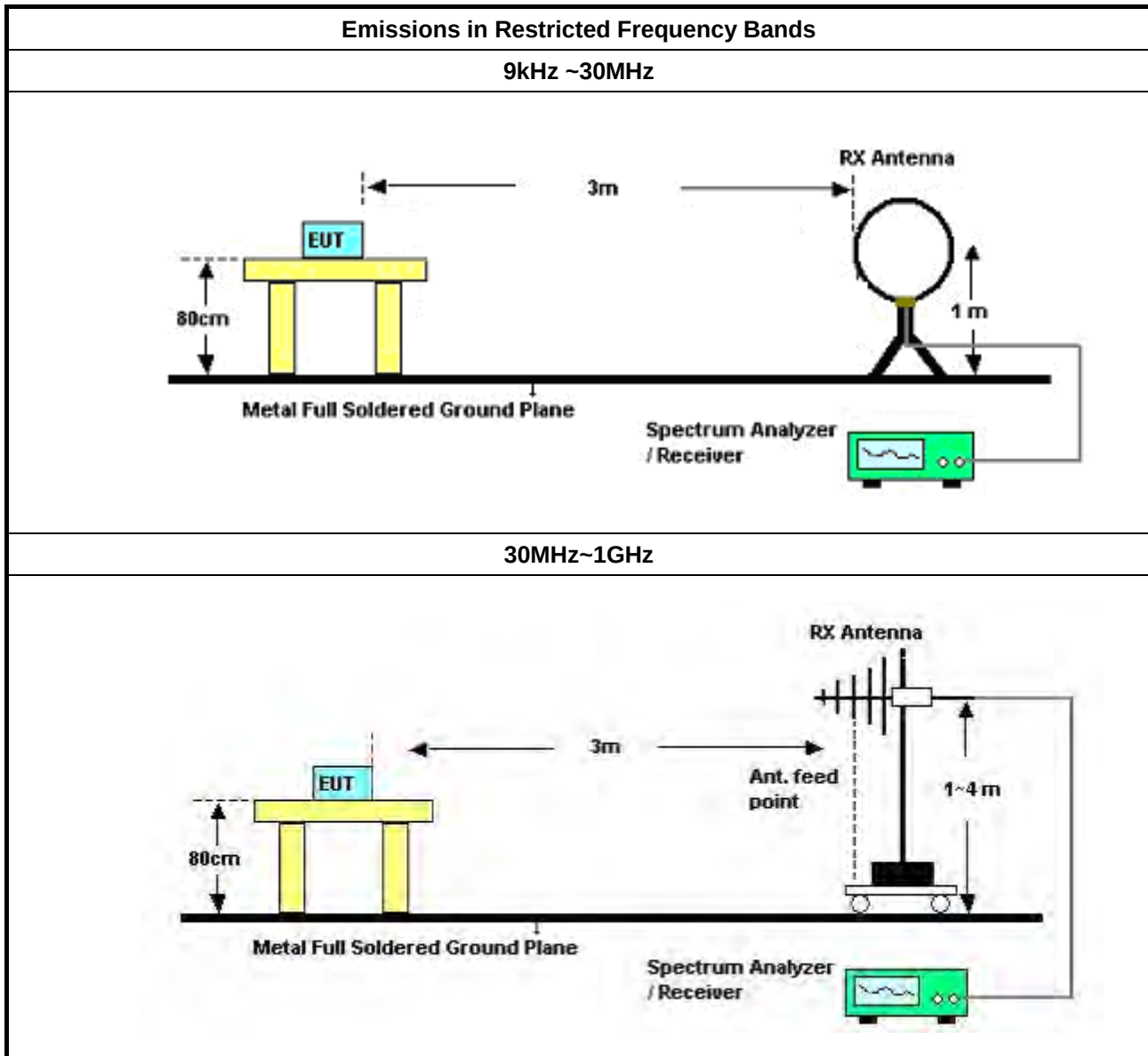
Refer a test equipment and calibration data table in this test report.

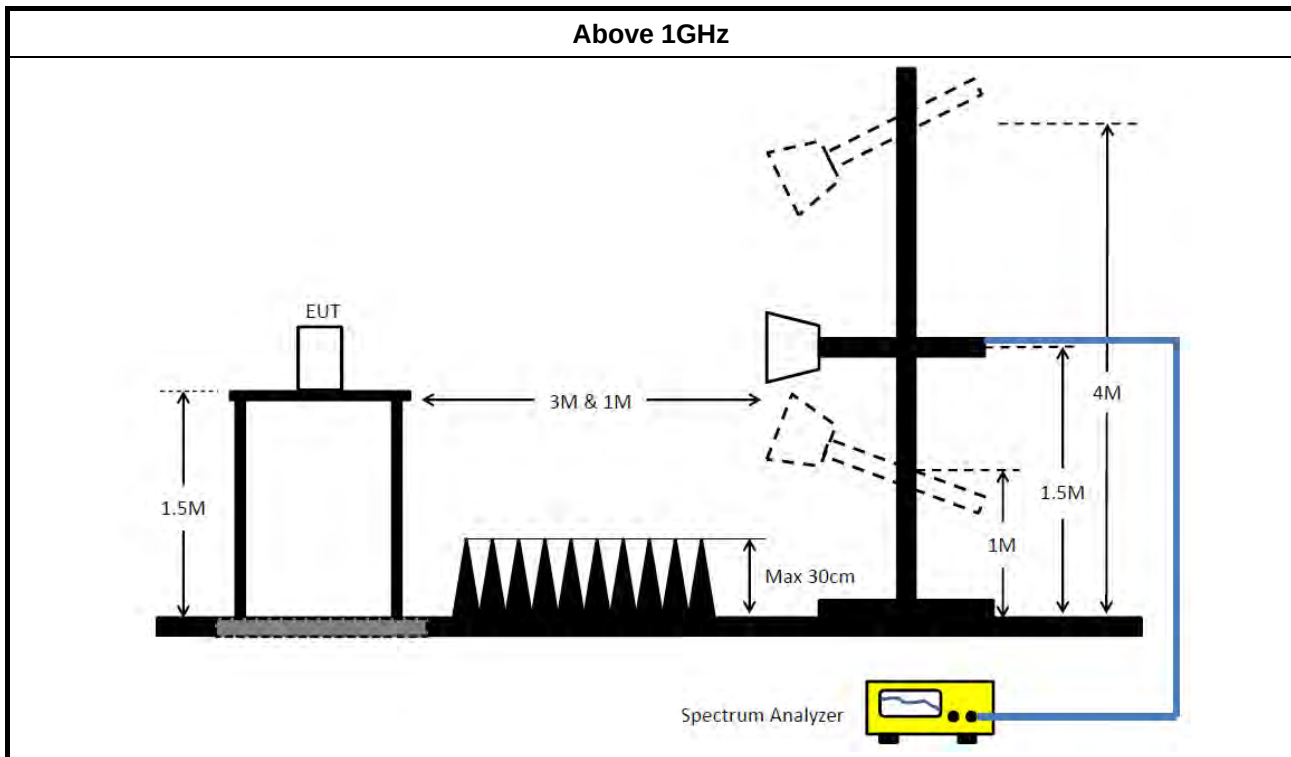


3.6.3 Test Procedures

Test Method	
- The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor]. - Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band. - For the transmitter unwanted emissions shall be measured using following options below: - Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands. ☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle $\geq 98\%$). ☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor). ☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW$\geq 1/T$). ☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq 1/T$, where T is pulse time. ☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions. ☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit. - For the transmitter band-edge emissions shall be measured using following options below: - Refer as FCC KDB 558074 clause 8.7 & c63.10 clause 11.13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below. - Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements. - Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz). - For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: - Measure and sum the spectra across the outputs or - Measure and add 10 log(N) dB - For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.	

3.6.4 Test Setup





3.6.5 Emissions in Restricted Frequency Bands (Below 30MHz)

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.

3.6.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

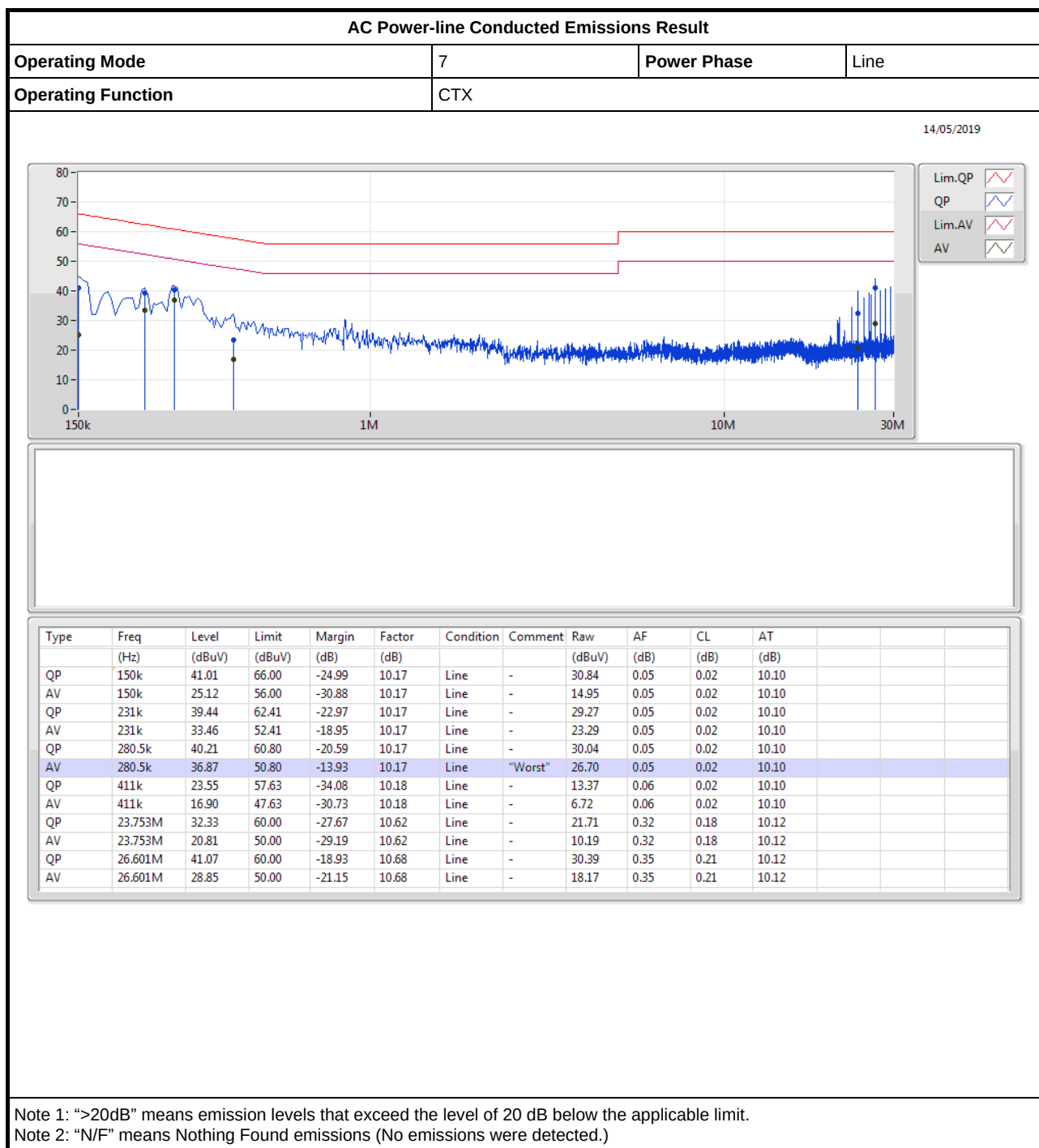
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 21, 2018	Nov. 20, 2019	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 05, 2018	Nov. 04, 2019	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	Jan. 16, 2019	Jan. 15, 2020	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Nov. 06, 2018	Nov. 05, 2019	Conduction (CO02-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH04-CB)
BILOG ANTENNA with 6 dB attenuator	Schaffner & Woken	CBL6112B & N-6-06	22021&AT-N06 07	30MHz ~ 1GHz	Oct. 12, 2018	Oct. 11, 2019	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	310N	187291	0.1MHz ~ 1GHz	Mar. 19, 2019	Mar. 18, 2020	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Dec. 26, 2018	Dec. 25, 2019	Radiation (03CH04-CB)
EMI Test Receiver	R&S	ESCS	100359	9kHz ~ 2.75GHz	Jul. 03, 2018	Jul. 02, 2019	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+22	30MHz ~ 1GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1292	1GHz~18GHz	Jul. 20, 2018	Jul. 19, 2019	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 07, 2018	Jun. 06, 2019	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 09, 2018	May 08, 2019	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 08, 2019	May 07, 2020	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Oct. 03, 2018	Oct. 02, 2019	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05	1GHz~18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05+24	1GHz~18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Feb. 25, 2019	Feb. 24, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz ~ 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)

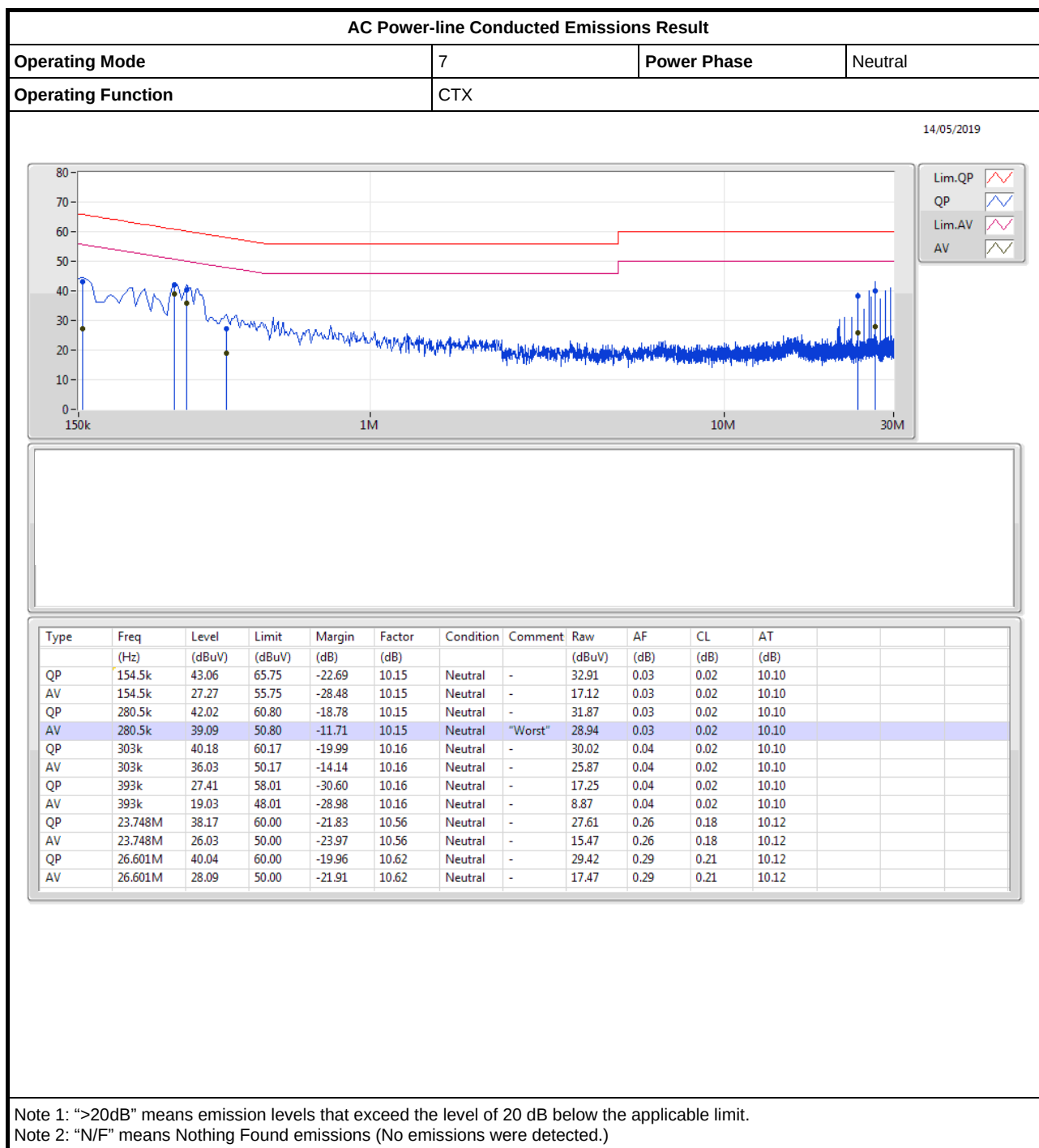


Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz –26.5 GHz	Nov. 19, 2018	Nov. 18, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Jan. 15, 2019	Jan. 14, 2020	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Jan. 15, 2019	Jan. 14, 2020	Conducted (TH01-CB)

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

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





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-LE(1Mbps)	662.5k	1.037M	1M04F1D	660k	1.034M
BT-LE(2Mbps)	607.5k	2.071M	2M07F1D	607.5k	2.066M
BT-LE(500Kbps)	625k	1.052M	1M05F1D	622.5k	1.047M
BT-LE(125Kbps)	717.5k	1.022M	1M02F1D	705k	1.019M

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

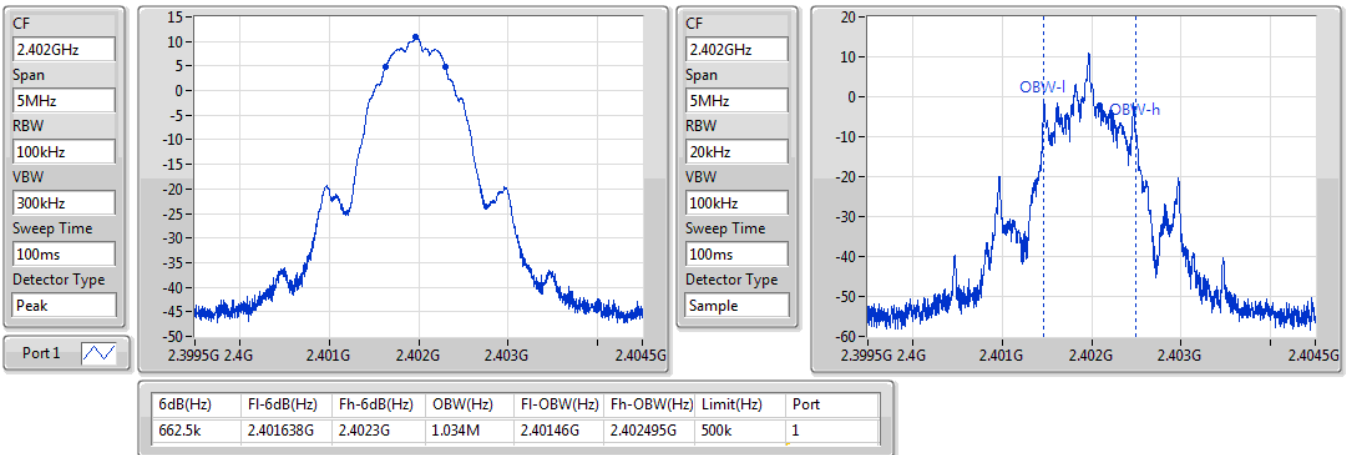
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	662.5k	1.034M
2440MHz	Pass	500k	660k	1.037M
2480MHz	Pass	500k	660k	1.034M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	607.5k	2.066M
2440MHz	Pass	500k	607.5k	2.071M
2480MHz	Pass	500k	607.5k	2.069M
BT-LE(500Kbps)	-	-	-	-
2402MHz	Pass	500k	625k	1.047M
2440MHz	Pass	500k	622.5k	1.052M
2480MHz	Pass	500k	625k	1.052M
BT-LE(125Kbps)	-	-	-	-
2402MHz	Pass	500k	717.5k	1.022M
2440MHz	Pass	500k	705k	1.022M
2480MHz	Pass	500k	705k	1.019M

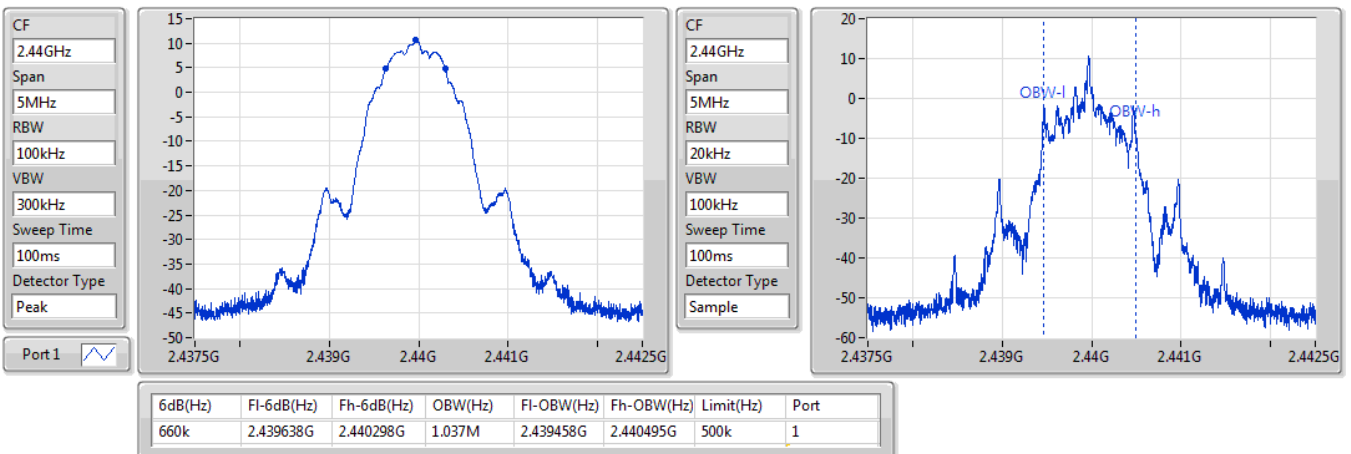
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

BT-LE(1Mbps)
EBW
2402MHz

06/05/2019

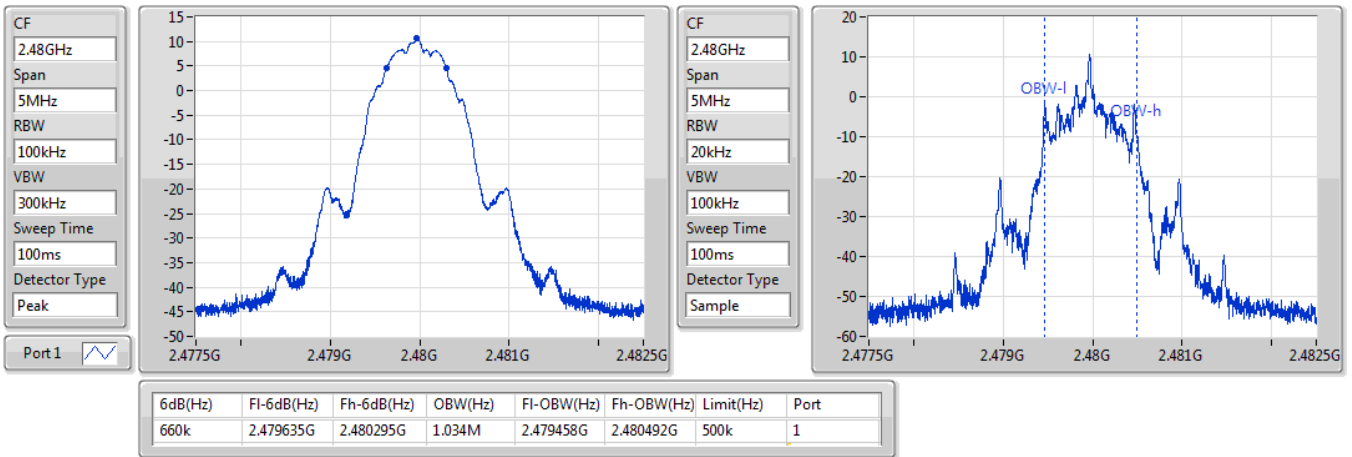

BT-LE(1Mbps)
EBW
2440MHz

06/05/2019

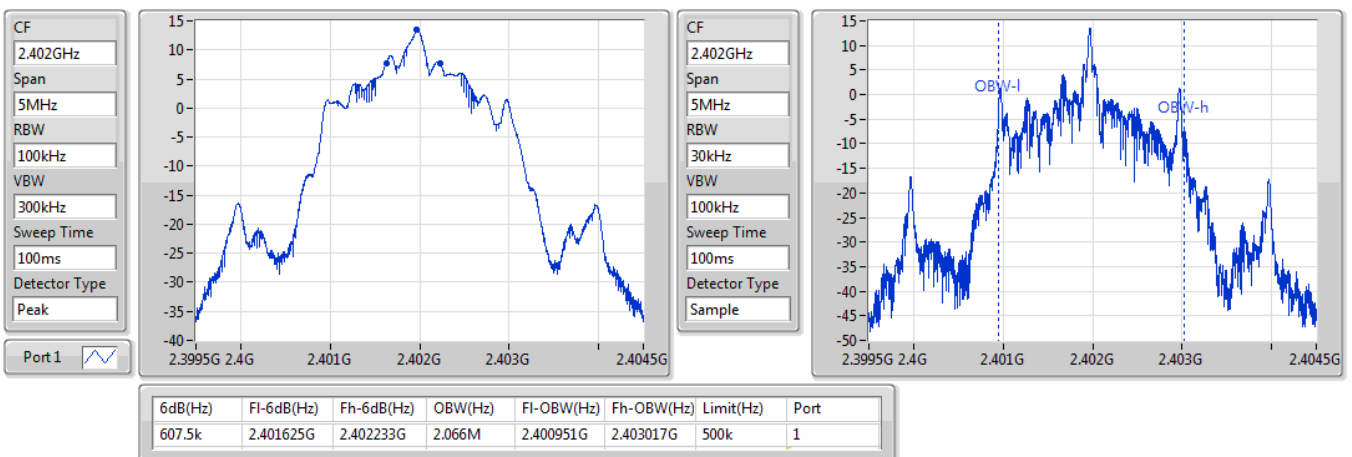


BT-LE(1Mbps)
EBW
2480MHz

06/05/2019

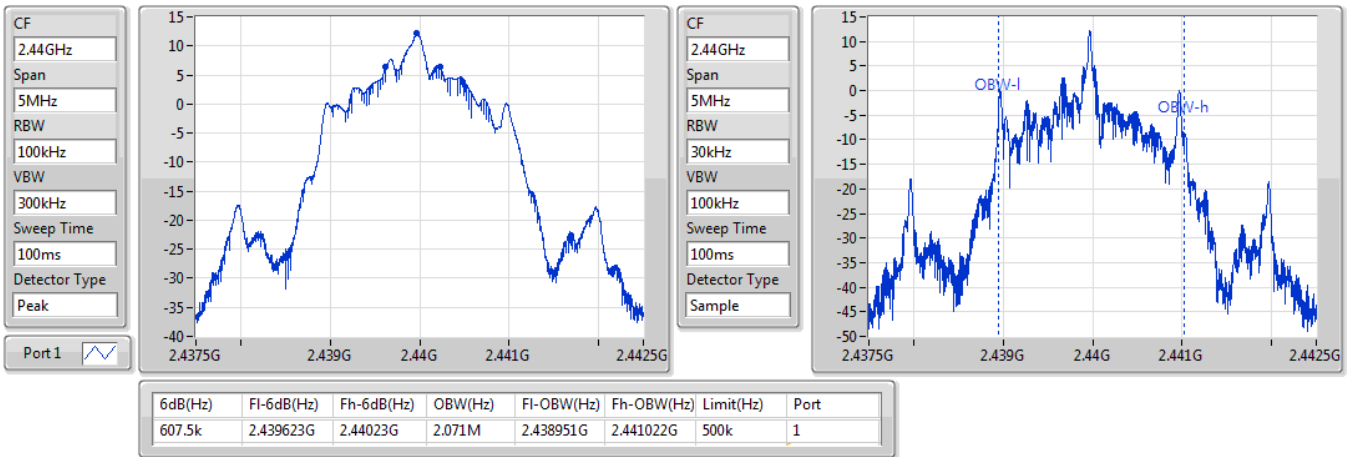

BT-LE(2Mbps)
EBW
2402MHz

06/05/2019

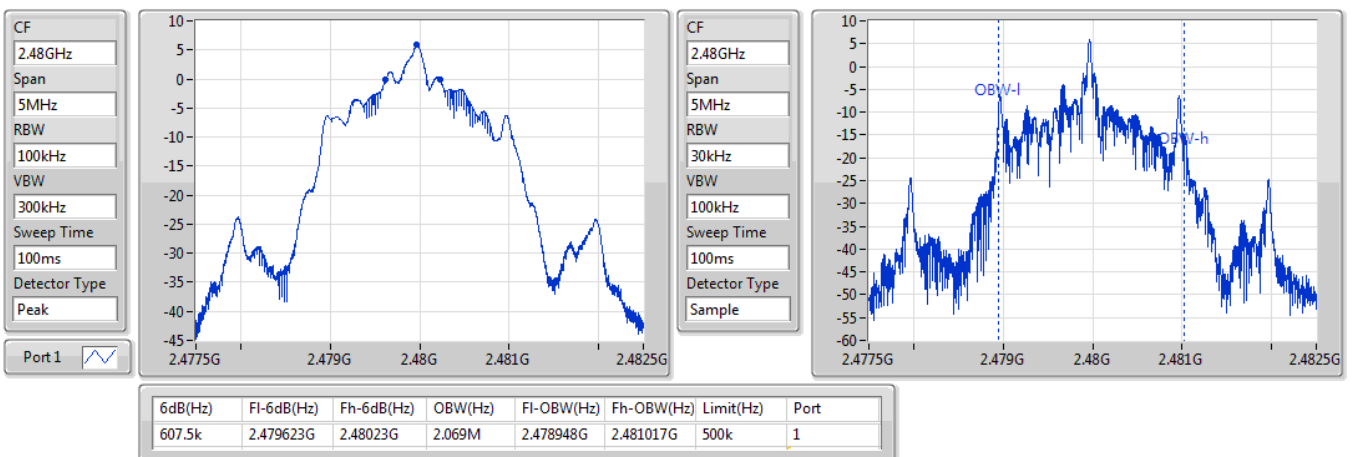


BT-LE(2Mbps)
EBW
2440MHz

06/05/2019

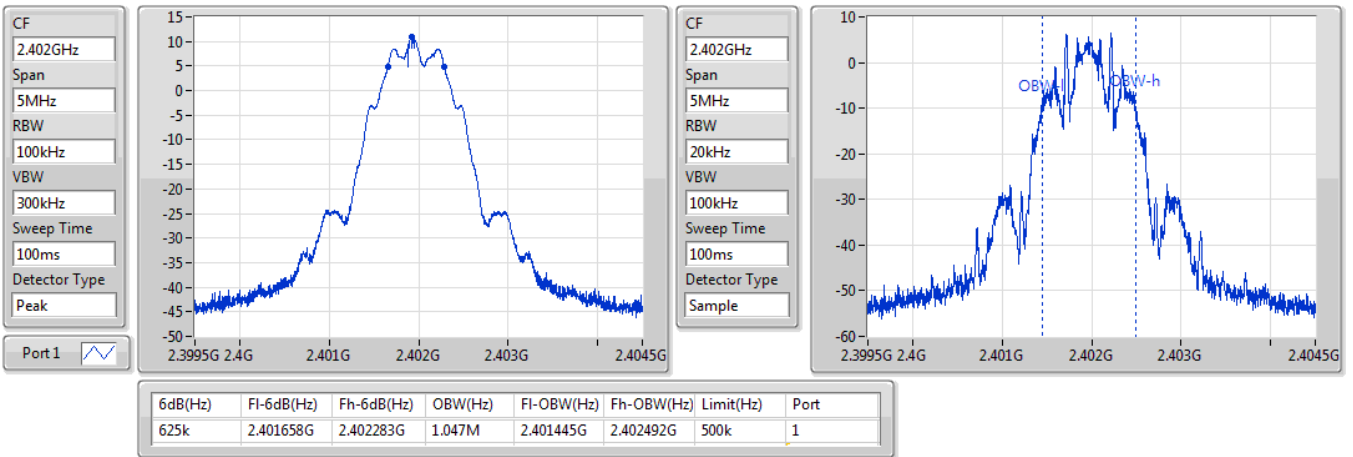

BT-LE(2Mbps)
EBW
2480MHz

06/05/2019

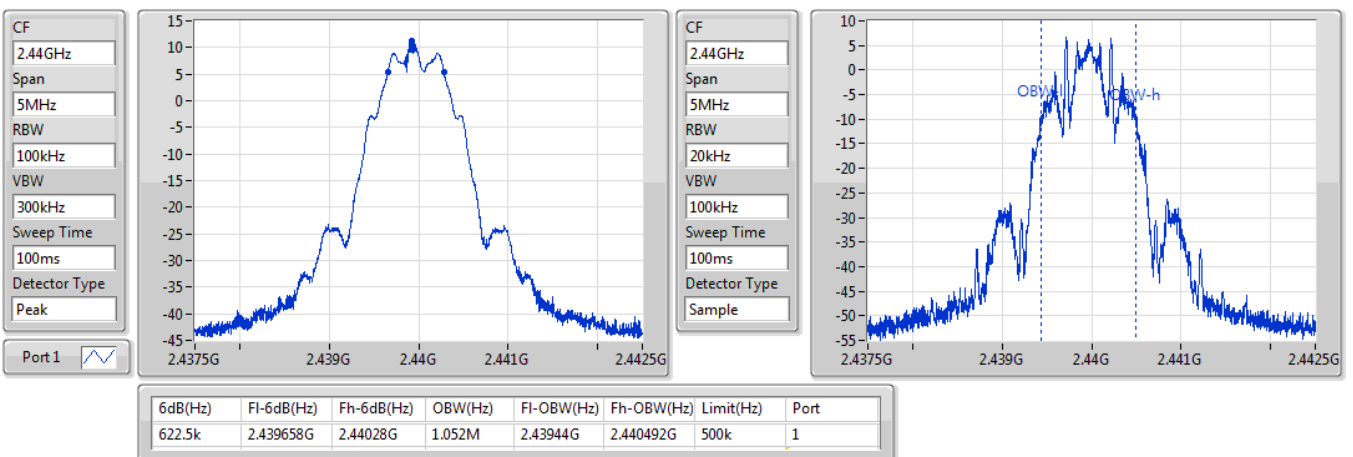


BT-LE(500Kbps)
EBW
2402MHz

06/05/2019

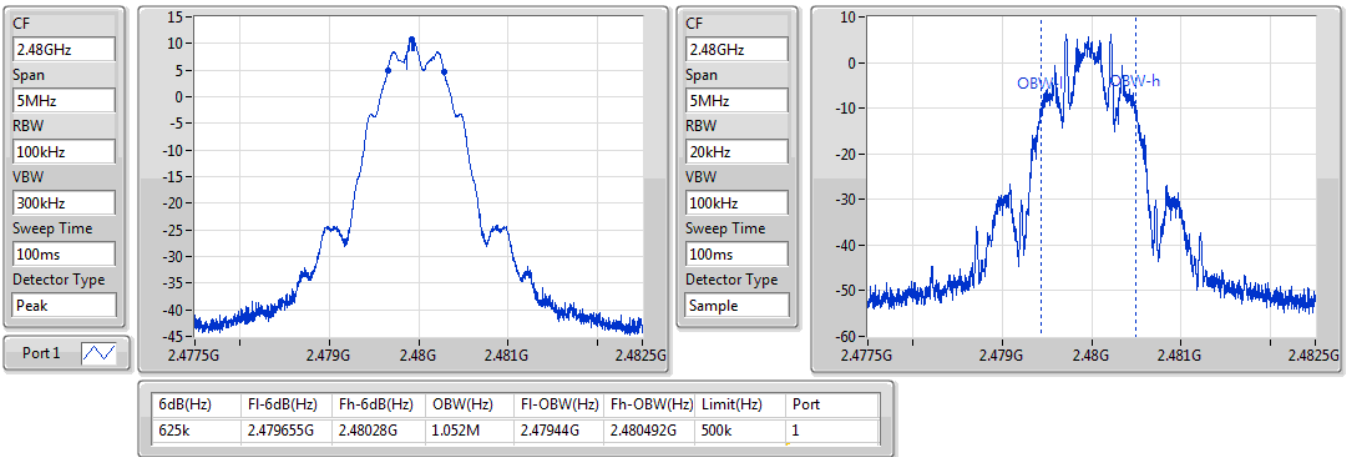

BT-LE(500Kbps)
EBW
2440MHz

06/05/2019

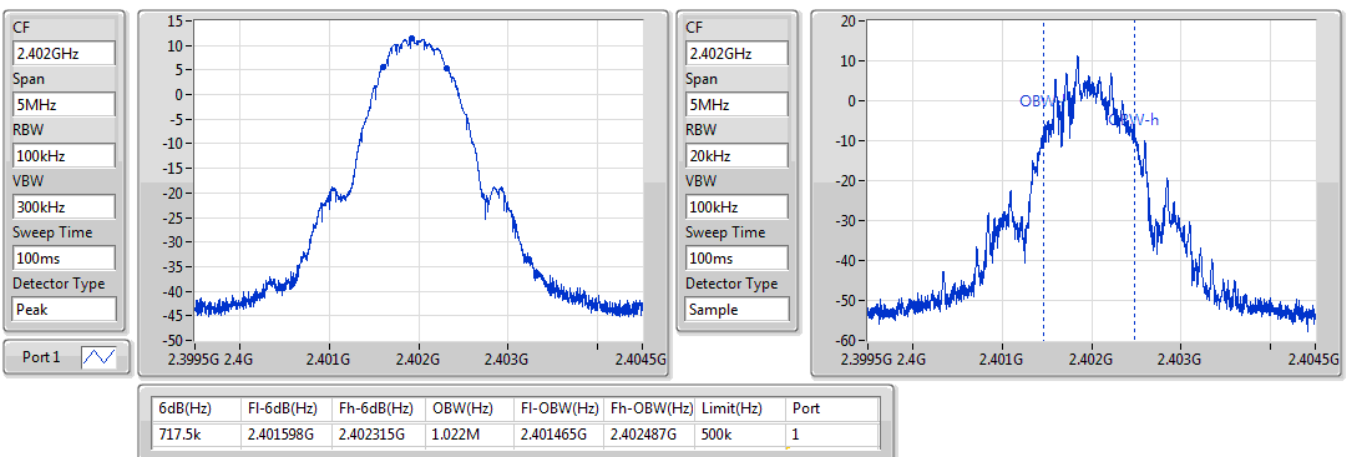


BT-LE(500Kbps)
EBW
2480MHz

06/05/2019

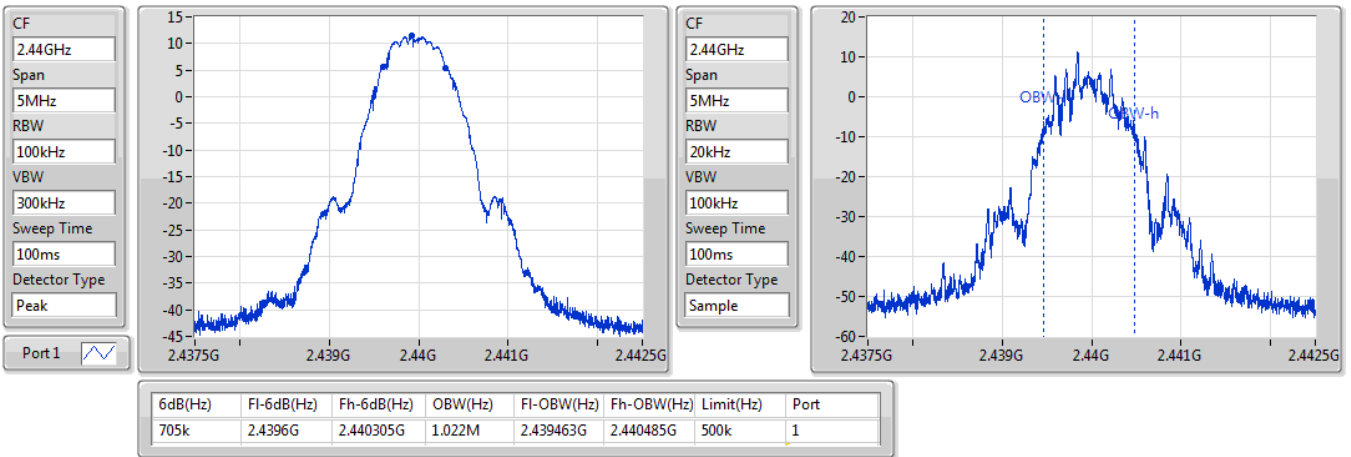

BT-LE(125Kbps)
EBW
2402MHz

06/05/2019

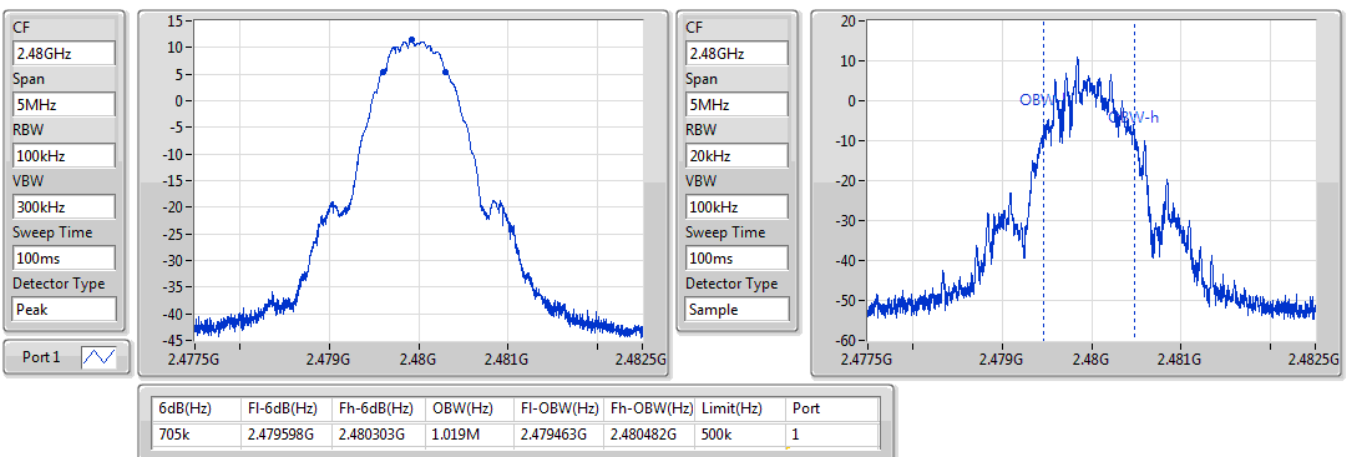


BT-LE(125Kbps)
EBW
2440MHz

06/05/2019


BT-LE(125Kbps)
EBW
2480MHz

06/05/2019





Average Power Result

Appendix C

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	10.16	0.01038
BT-LE(2Mbps)	11.81	0.01517
BT-LE(500Kbps)	11.25	0.01334
BT-LE(125Kbps)	11.83	0.01524



Average Power Result

Appendix C

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-	-
2402MHz	Pass	-0.85	10.16	10.16	30.00
2440MHz	Pass	-0.85	10.01	10.01	30.00
2480MHz	Pass	-0.85	10.12	10.12	30.00
BT-LE(2Mbps)	-	-	-	-	-
2402MHz	Pass	-0.85	11.81	11.81	30.00
2440MHz	Pass	-0.85	11.75	11.75	30.00
2480MHz	Pass	-0.85	5.48	5.48	30.00
BT-LE(500Kbps)	-	-	-	-	-
2402MHz	Pass	-0.85	11.15	11.15	30.00
2440MHz	Pass	-0.85	11.25	11.25	30.00
2480MHz	Pass	-0.85	11.24	11.24	30.00
BT-LE(125Kbps)	-	-	-	-	-
2402MHz	Pass	-0.85	11.74	11.74	30.00
2440MHz	Pass	-0.85	11.83	11.83	30.00
2480MHz	Pass	-0.85	11.81	11.81	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	7.99
BT-LE(2Mbps)	7.92
BT-LE(500Kbps)	7.97
BT-LE(125Kbps)	7.94

RBW=3 kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-	-
2402MHz	Pass	-0.85	7.95	7.95	8.00
2440MHz	Pass	-0.85	7.76	7.76	8.00
2480MHz	Pass	-0.85	7.99	7.99	8.00
BT-LE(2Mbps)	-	-	-	-	-
2402MHz	Pass	-0.85	7.92	7.92	8.00
2440MHz	Pass	-0.85	7.75	7.75	8.00
2480MHz	Pass	-0.85	0.95	0.95	8.00
BT-LE(500Kbps)	-	-	-	-	-
2402MHz	Pass	-0.85	7.91	7.91	8.00
2440MHz	Pass	-0.85	7.97	7.97	8.00
2480MHz	Pass	-0.85	7.84	7.84	8.00
BT-LE(125Kbps)	-	-	-	-	-
2402MHz	Pass	-0.85	7.94	7.94	8.00
2440MHz	Pass	-0.85	7.86	7.86	8.00
2480MHz	Pass	-0.85	7.94	7.94	8.00

DG = Directional Gain; RBW=3 kHz;

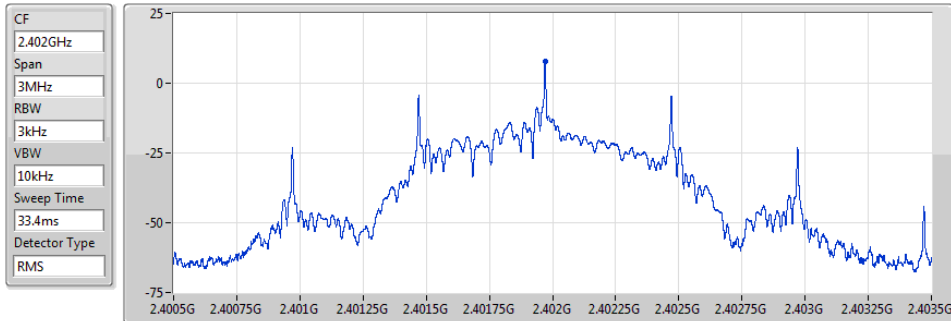
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

BT-LE(1Mbps)

PSD

2402MHz

06/05/2019



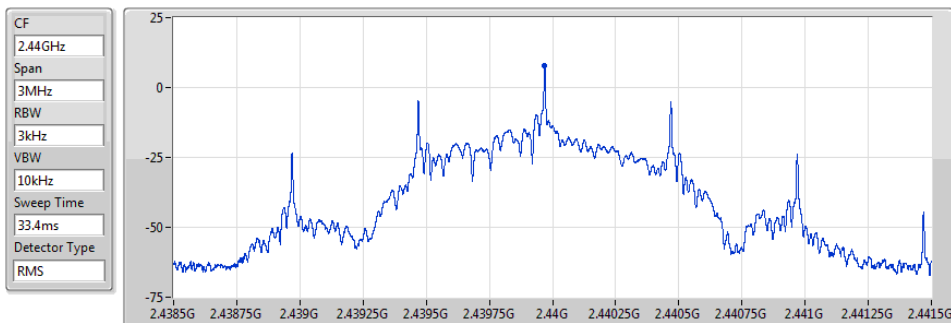
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.95	7.95	7.95

BT-LE(1Mbps)

PSD

2440MHz

06/05/2019



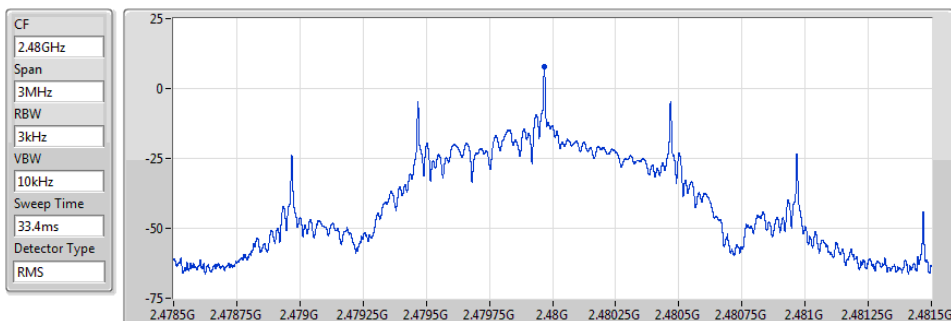
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.76	7.76	7.76

BT-LE(1Mbps)

PSD

2480MHz

06/05/2019



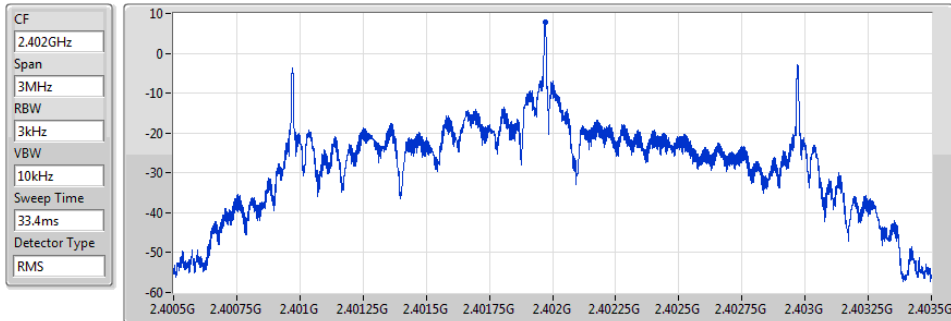
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.99	7.99	7.99

BT-LE(2Mbps)

PSD

2402MHz

06/05/2019



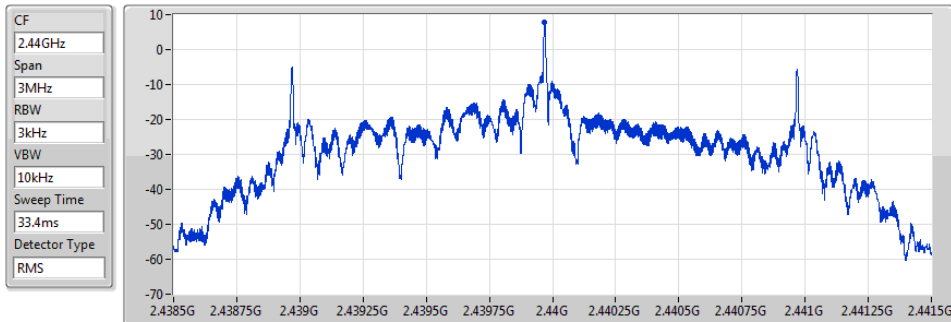
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.92	7.92	7.92

BT-LE(2Mbps)

PSD

2440MHz

06/05/2019



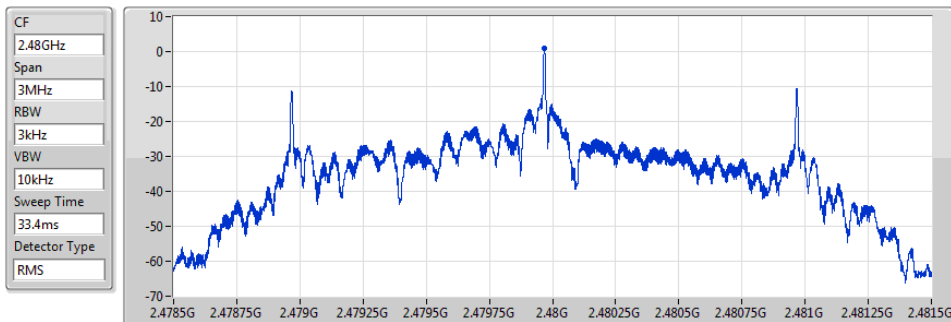
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.75	7.75	7.75

BT-LE(2Mbps)

PSD

2480MHz

06/05/2019



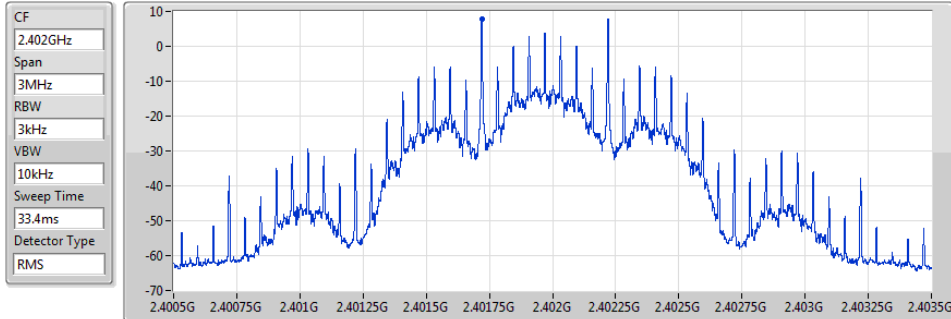
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.95	0.95	0.95

BT-LE(500Kbps)

PSD

2402MHz

06/05/2019



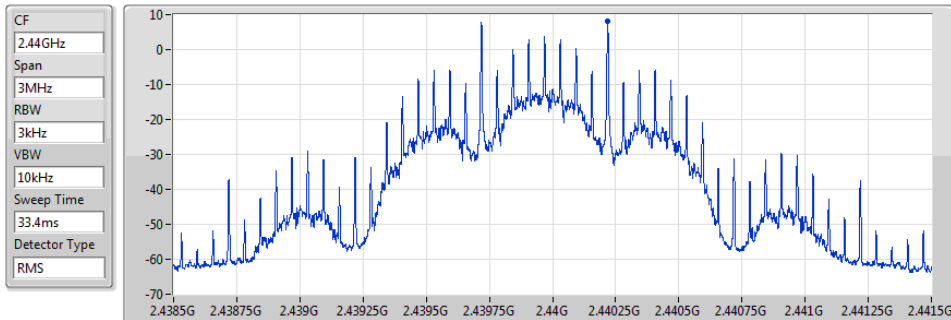
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.91	7.91	7.91

BT-LE(500Kbps)

PSD

2440MHz

06/05/2019



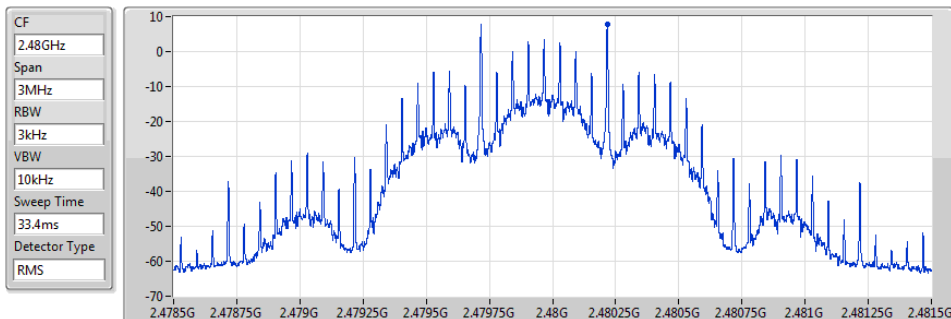
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.97	7.97	7.97

BT-LE(500Kbps)

PSD

2480MHz

06/05/2019



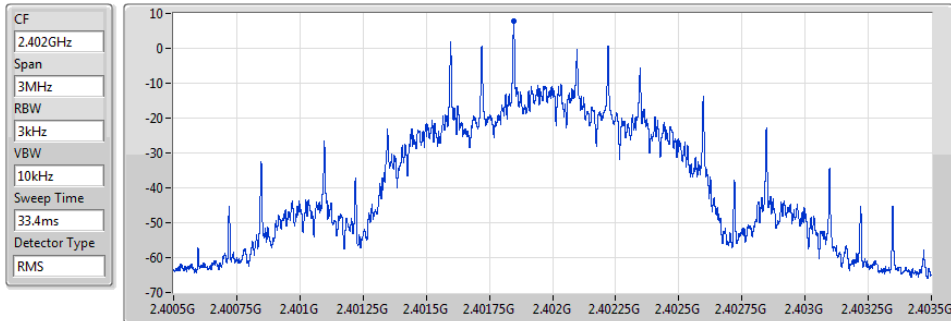
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.84	7.84	7.84

BT-LE(125Kbps)

PSD

2402MHz

06/05/2019



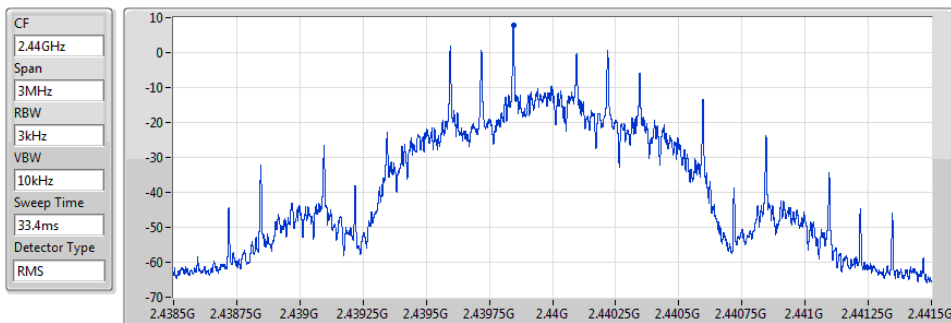
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.94	7.94	7.94

BT-LE(125Kbps)

PSD

2440MHz

06/05/2019



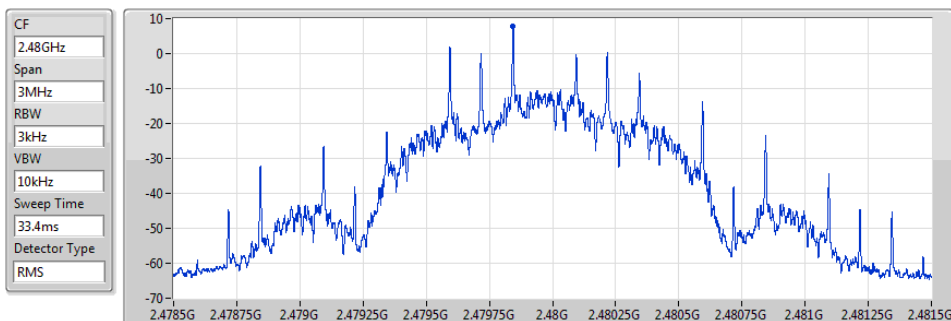
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.86	7.86	7.86

BT-LE(125Kbps)

PSD

2480MHz

06/05/2019



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.94	7.94	7.94

**Summary**

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.40184G	27.44	-2.56	2.396G	-41.76	2.39956G	-26.63	2.48563G	-45.63	16.85048G	-39.58	1
BT-LE(2Mbps)	Pass	2.40184G	30.43	0.43	2.396G	-24.81	2.39997G	0.33	2.48425G	-45.29	17.53148G	-39.72	1
BT-LE(500Kbps)	Pass	2.43991G	25.34	-4.66	2.396G	-37.68	2.39937G	-25.30	2.48586G	-44.73	15.2746G	-39.68	1
BT-LE(125Kbps)	Pass	2.43991G	28.01	-1.99	2.39482G	-40.36	2.39998G	-24.56	2.48675G	-45.14	16.99118G	-39.82	1

Result

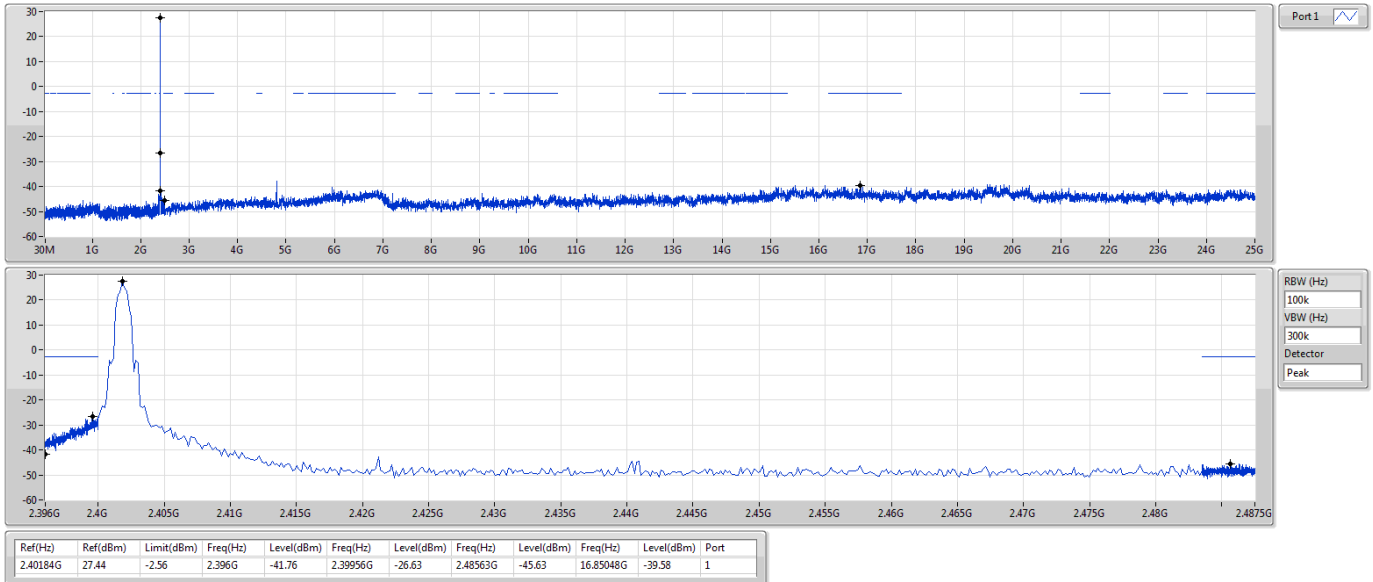
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40184G	27.44	-2.56	2.396G	-41.76	2.39956G	-26.63	2.48563G	-45.63	16.85048G	-39.58	1
2440MHz	Pass	2.40184G	27.44	-2.56	919.62M	-46.29	2.39621G	-45.90	2.48712G	-44.99	16.74635G	-38.65	1
2480MHz	Pass	2.40184G	27.44	-2.56	1.62705G	-46.08	2.39898G	-46.28	2.48356G	-28.97	16.41992G	-39.53	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40184G	30.43	0.43	2.396G	-24.81	2.39997G	0.33	2.48425G	-45.29	17.53148G	-39.72	1
2440MHz	Pass	2.40184G	30.43	0.43	40.65M	-45.58	2.39966G	-45.96	2.48501G	-45.53	15.13108G	-38.79	1
2480MHz	Pass	2.40184G	30.43	0.43	1.98905G	-45.33	2.39809G	-45.82	2.48358G	-24.91	6.89995G	-40.07	1
BT-LE(500Kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.43991G	25.34	-4.66	2.396G	-37.68	2.39937G	-25.30	2.48586G	-44.73	15.2746G	-39.68	1
2440MHz	Pass	2.43991G	25.34	-4.66	1.83526G	-46.08	2.3994G	-44.47	2.48675G	-45.47	15.05792G	-39.69	1
2480MHz	Pass	2.43991G	25.34	-4.66	950.37M	-45.61	2.39778G	-46.04	2.48393G	-28.85	16.42555G	-39.79	1
BT-LE(125Kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.43991G	28.01	-1.99	2.39482G	-40.36	2.39998G	-24.56	2.48675G	-45.14	16.99118G	-39.82	1
2440MHz	Pass	2.43991G	28.01	-1.99	1.83053G	-45.74	2.39669G	-45.70	2.48745G	-44.92	17.44706G	-39.12	1
2480MHz	Pass	2.43991G	28.01	-1.99	2.10143G	-45.17	2.39636G	-45.99	2.48358G	-27.82	16.44525G	-39.67	1

BT-LE(1Mbps)

CSE NdB

2402MHz

06/05/2019

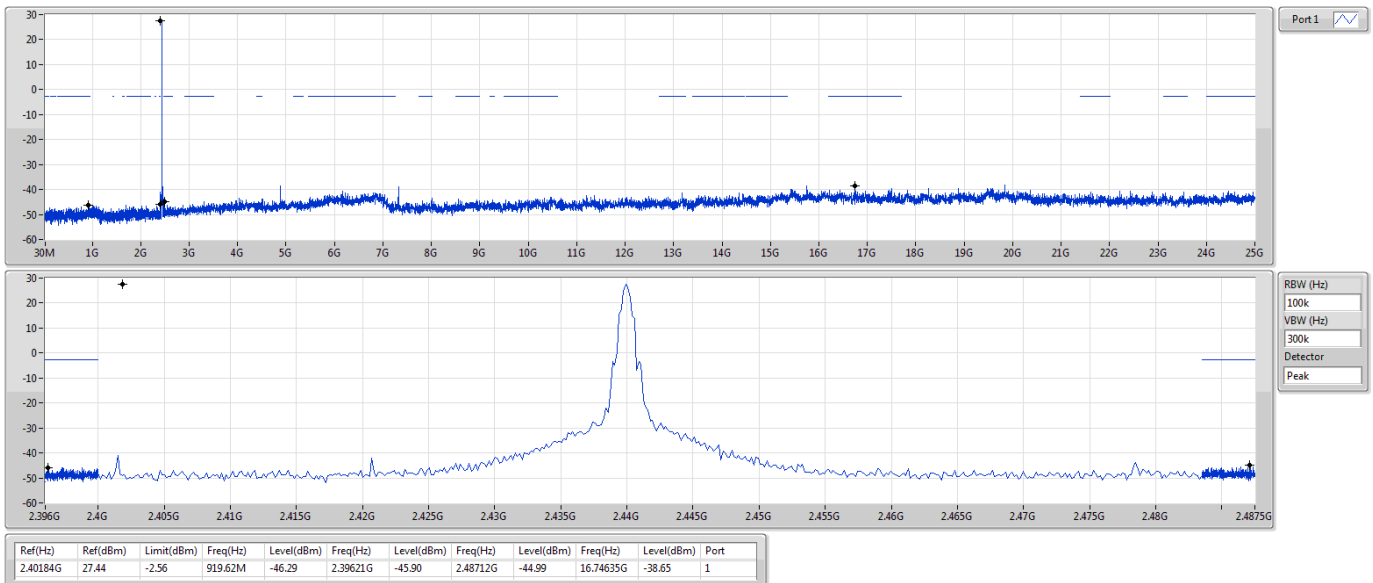


BT-LE(1Mbps)

CSE NdB

2440MHz

06/05/2019



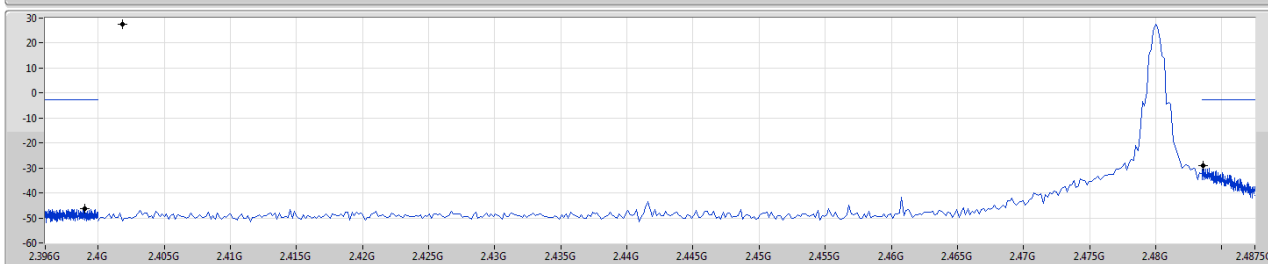
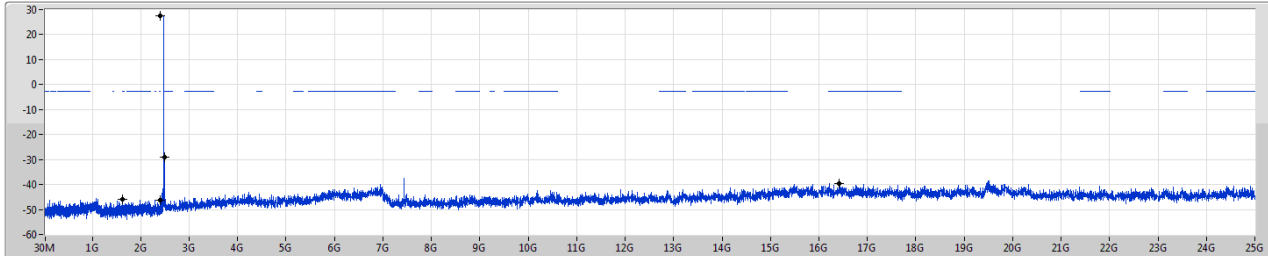
BT-LE(1Mbps)

2480MHz

CSE NdB

06/05/2019

Port1



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)	Port
2.40184G	27.44	-2.56	1.62705G	-46.08	2.39898G	-46.28	2.48356G	-28.97	16.41992G	-39.53	1

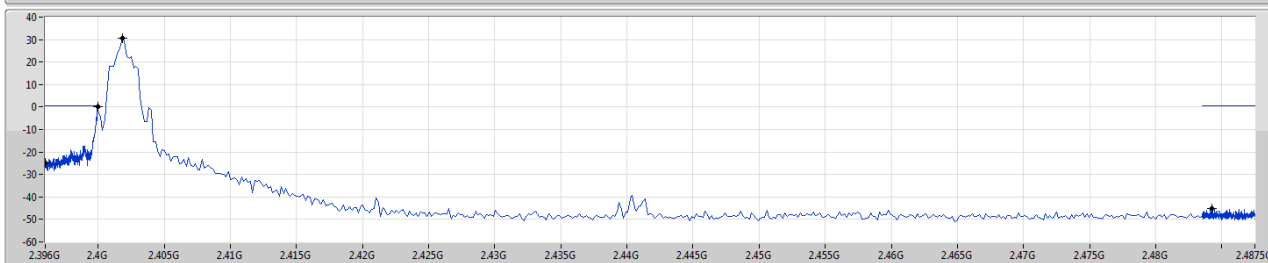
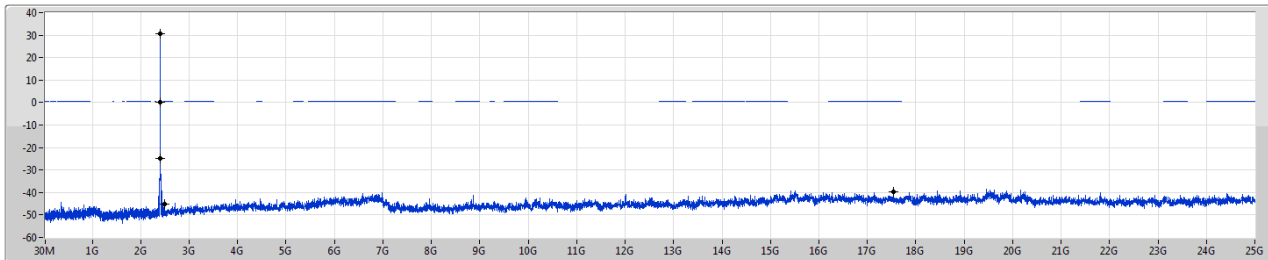
BT-LE(2Mbps)

2402MHz

CSE NdB

06/05/2019

Port1



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)	Port
2.40184G	30.43	0.43	2.396G	-24.81	2.39997G	0.33	2.48425G	-45.29	17.53148G	-39.72	1

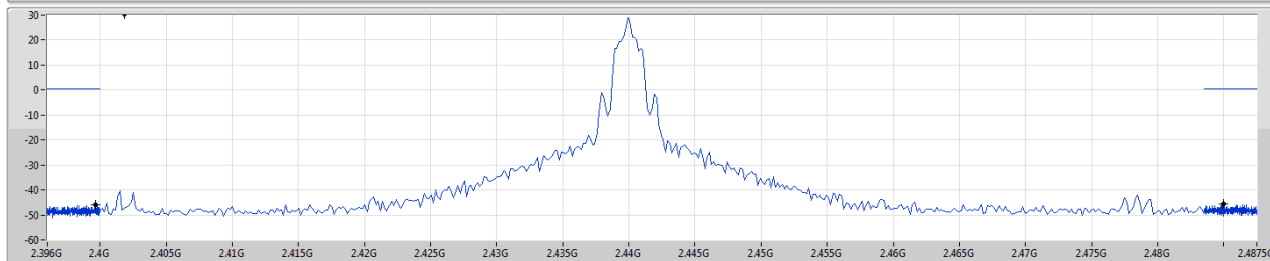
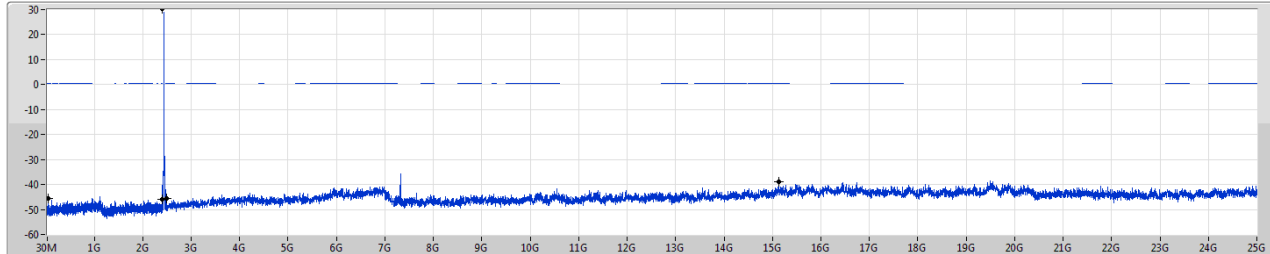
BT-LE(2Mbps)

2440MHz

CSE NdB

06/05/2019

Port1



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)	Port
2.40184G	30.43	0.43	40.65M	-45.58	2.39966G	-45.96	2.48501G	-45.53	15.13108G	-38.79	1

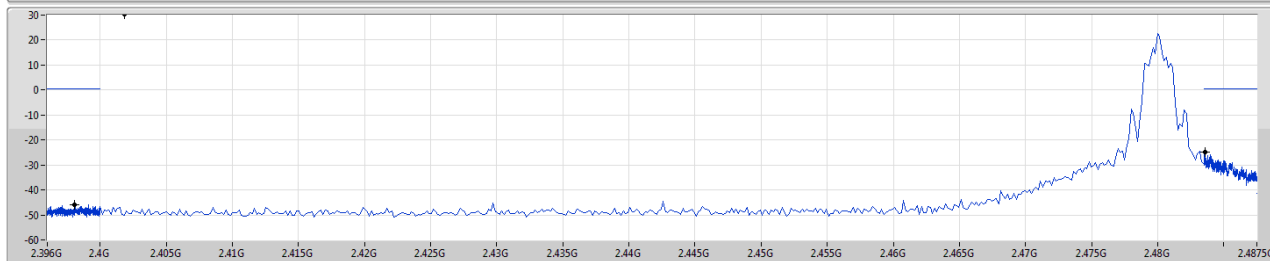
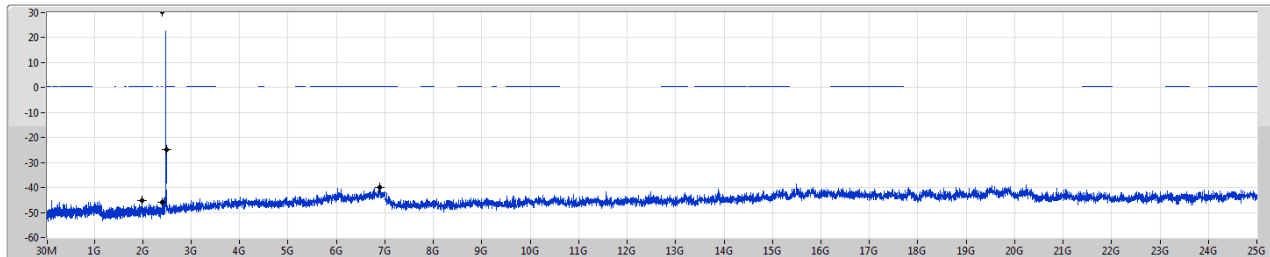
BT-LE(2Mbps)

2480MHz

CSE NdB

06/05/2019

Port1



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

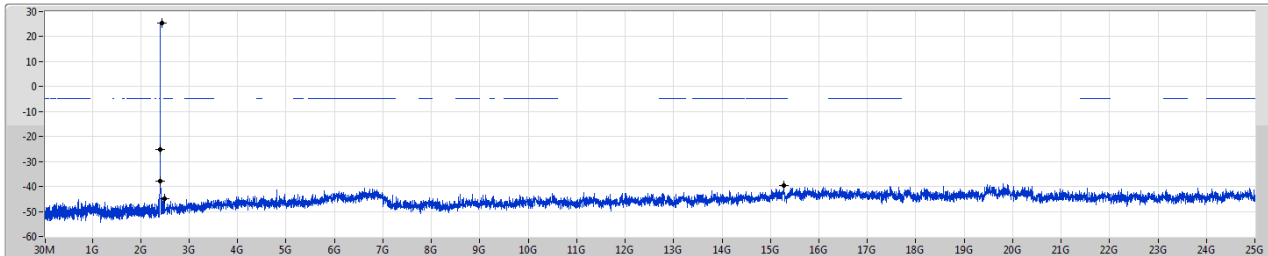
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40184G	30.43	0.43	1.98905G	-45.33	2.39809G	-45.82	2.48358G	-24.91	6.89995G	-40.07	1

BT-LE(500Kbps)

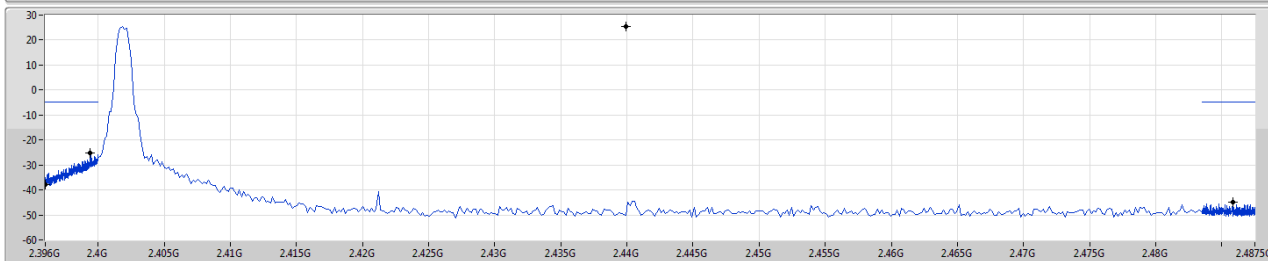
CSE NdB

2402MHz

06/05/2019



Port1

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

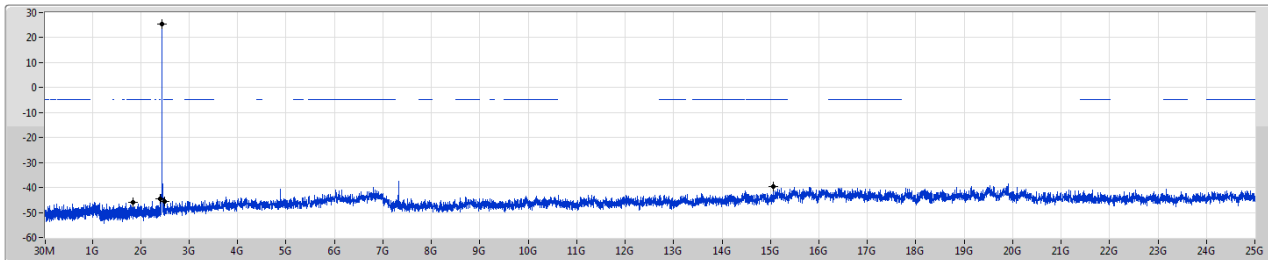
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43991G	25.34	-4.66	2.396G	-37.68	2.39937G	-25.30	2.48586G	-44.73	15.2746G	-39.68	1

BT-LE(500Kbps)

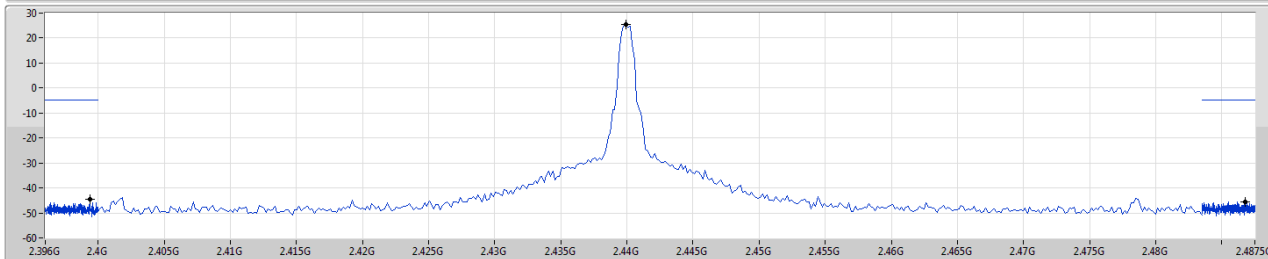
CSE NdB

2440MHz

06/05/2019



Port1

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

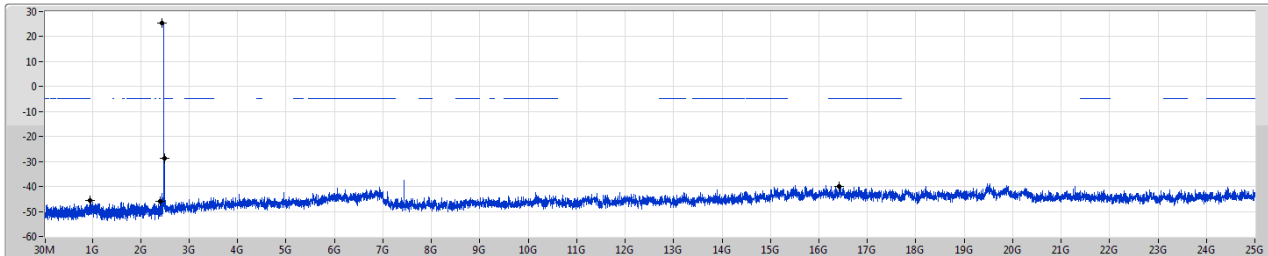
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43991G	25.34	-4.66	1.83526G	-46.08	2.3994G	-44.47	2.48675G	-45.47	15.05792G	-39.69	1

BT-LE(500Kbps)

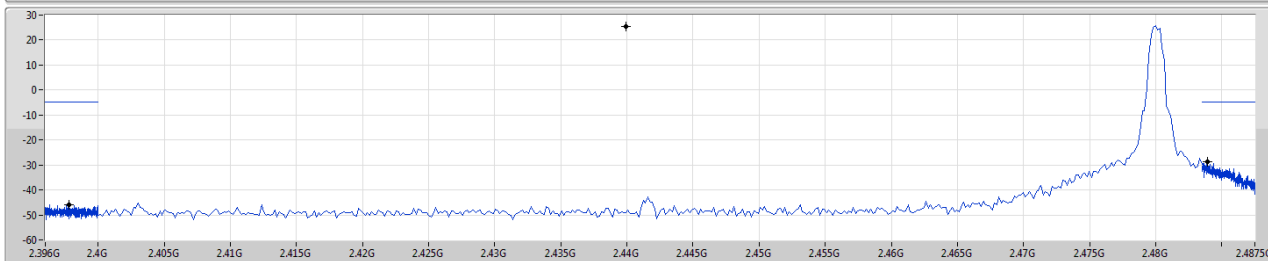
CSE NdB

2480MHz

06/05/2019



Port1

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

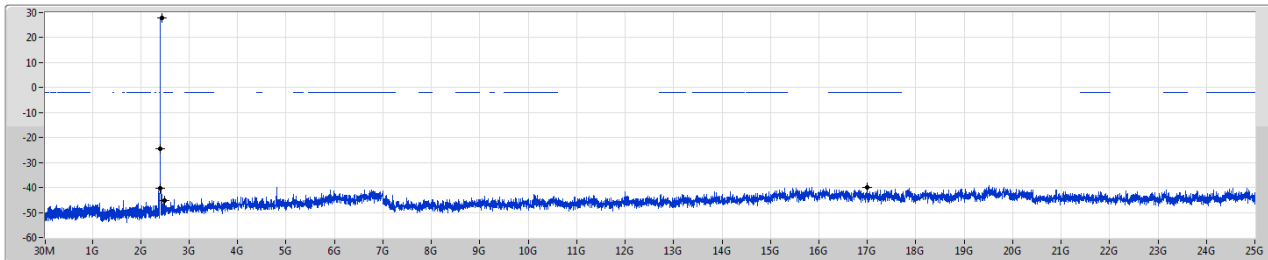
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43991G	25.34	-4.66	950.37M	-45.61	2.39778G	-46.04	2.48393G	-28.85	16.42555G	-39.79	1

BT-LE(125Kbps)

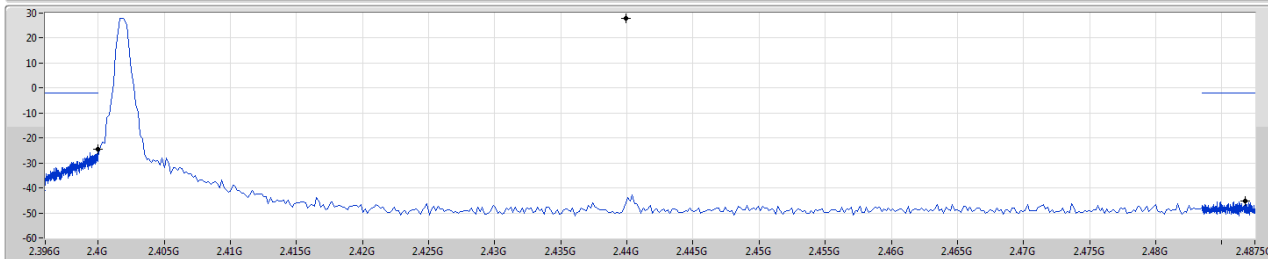
CSE NdB

2402MHz

06/05/2019



Port1

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

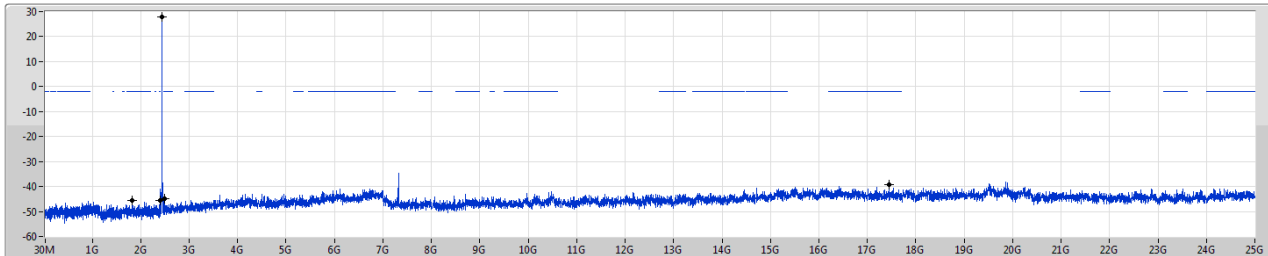
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43991G	28.01	-1.99	2.39482G	-40.36	2.39980G	-24.56	2.48675G	-45.14	16.99118G	-39.82	1

BT-LE(125Kbps)

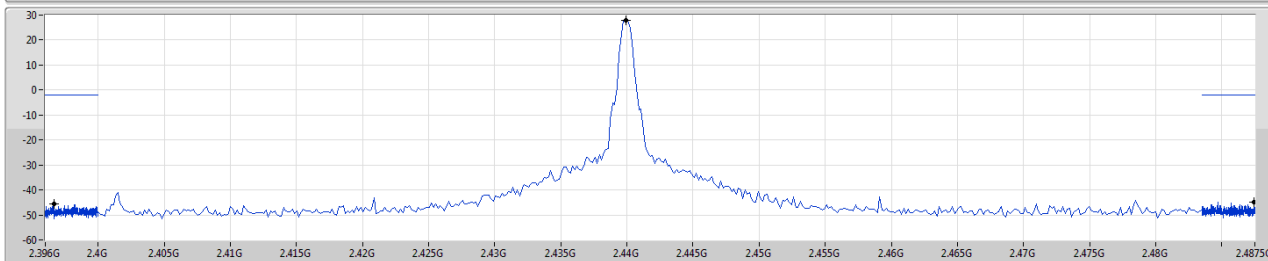
CSE NdB

2440MHz

06/05/2019



Port1

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

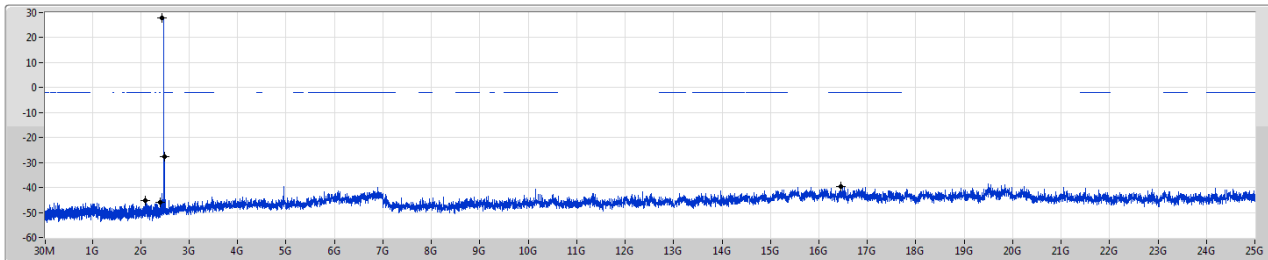
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43991G	28.01	-1.99	1.83053G	-45.74	2.39669G	-45.70	2.48745G	-44.92	17.44706G	-39.12	1

BT-LE(125Kbps)

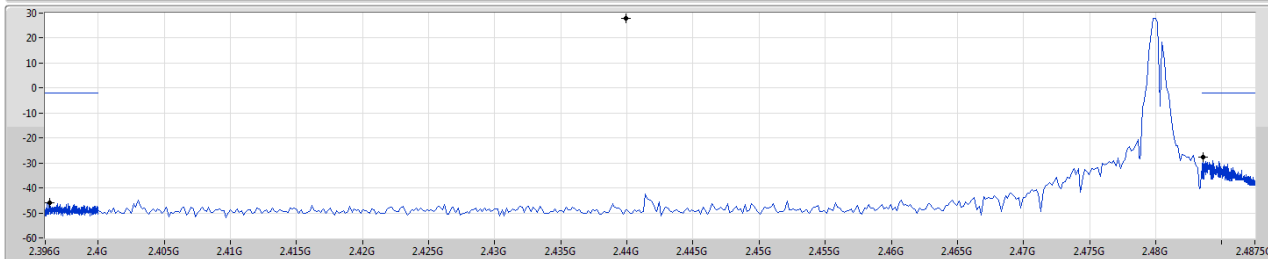
CSE NdB

2480MHz

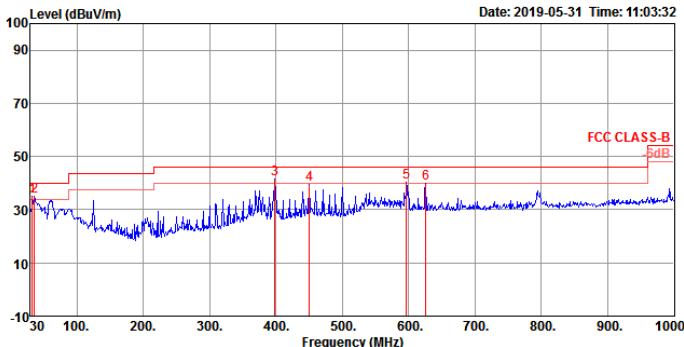
06/05/2019

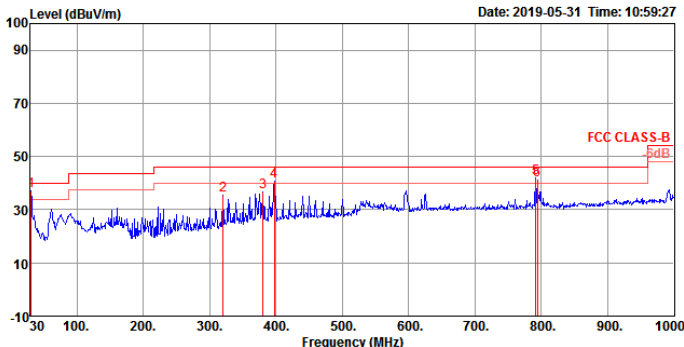


Port1

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)	Port
2.43991G	28.01	-1.99	2.10143G	-45.17	2.39636G	-45.99	2.48358G	-27.82	16.44525G	-39.67	1

RSE below 1GHz Result																																																																																																												
Operating Mode		4				Polarization			Vertical																																																																																																			
Operating Function		CTX																																																																																																										
Level (dBuV/m) Date: 2019-05-31 Time: 11:03:32  <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Over</th><th>Read</th><th>CableAntenna</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>32.91</td><td>35.00</td><td>40.00</td><td>-5.00</td><td>44.26</td><td>0.54</td><td>22.40</td><td>32.20</td><td>100</td><td>135 Peak</td><td>VERTICAL</td></tr><tr><td>2</td><td>35.82</td><td>34.88</td><td>40.00</td><td>-5.12</td><td>45.83</td><td>0.58</td><td>20.68</td><td>32.21</td><td>200</td><td>196 Peak</td><td>VERTICAL</td></tr><tr><td>3</td><td>398.60</td><td>41.43</td><td>46.00</td><td>-4.57</td><td>49.76</td><td>2.15</td><td>21.61</td><td>32.09</td><td>100</td><td>220 Peak</td><td>VERTICAL</td></tr><tr><td>4</td><td>450.01</td><td>39.38</td><td>46.00</td><td>-6.62</td><td>46.10</td><td>2.32</td><td>22.80</td><td>31.84</td><td>125</td><td>250 Peak</td><td>VERTICAL</td></tr><tr><td>5</td><td>596.48</td><td>40.25</td><td>46.00</td><td>-5.75</td><td>44.99</td><td>2.59</td><td>24.67</td><td>32.00</td><td>150</td><td>226 Peak</td><td>VERTICAL</td></tr><tr><td>6</td><td>625.58</td><td>39.96</td><td>46.00</td><td>-6.04</td><td>44.15</td><td>2.66</td><td>25.21</td><td>32.06</td><td>100</td><td>255 Peak</td><td>VERTICAL</td></tr></table>														Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		1	32.91	35.00	40.00	-5.00	44.26	0.54	22.40	32.20	100	135 Peak	VERTICAL	2	35.82	34.88	40.00	-5.12	45.83	0.58	20.68	32.21	200	196 Peak	VERTICAL	3	398.60	41.43	46.00	-4.57	49.76	2.15	21.61	32.09	100	220 Peak	VERTICAL	4	450.01	39.38	46.00	-6.62	46.10	2.32	22.80	31.84	125	250 Peak	VERTICAL	5	596.48	40.25	46.00	-5.75	44.99	2.59	24.67	32.00	150	226 Peak	VERTICAL	6	625.58	39.96	46.00	-6.04	44.15	2.66	25.21	32.06	100	255 Peak	VERTICAL
	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase																																																																																																	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg																																																																																																		
1	32.91	35.00	40.00	-5.00	44.26	0.54	22.40	32.20	100	135 Peak	VERTICAL																																																																																																	
2	35.82	34.88	40.00	-5.12	45.83	0.58	20.68	32.21	200	196 Peak	VERTICAL																																																																																																	
3	398.60	41.43	46.00	-4.57	49.76	2.15	21.61	32.09	100	220 Peak	VERTICAL																																																																																																	
4	450.01	39.38	46.00	-6.62	46.10	2.32	22.80	31.84	125	250 Peak	VERTICAL																																																																																																	
5	596.48	40.25	46.00	-5.75	44.99	2.59	24.67	32.00	150	226 Peak	VERTICAL																																																																																																	
6	625.58	39.96	46.00	-6.04	44.15	2.66	25.21	32.06	100	255 Peak	VERTICAL																																																																																																	
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.)																																																																																																												

RSE below 1GHz Result																																																																																																												
Operating Mode	4				Polarization			Horizontal																																																																																																				
Operating Function	CTX																																																																																																											
Level (dBuV/m) 100 90 70 50 30 10 -10 Date: 2019-05-31 Time: 10:59:27 FCC CLASS-B 5dB  Frequency (MHz) 30 100 200 300 400 500 600 700 800 900 1000 <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Over</th><th>Read</th><th>CableAntenna</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>30.97</td><td>36.89</td><td>40.00</td><td>-3.11</td><td>45.06</td><td>0.51</td><td>23.51</td><td>32.19</td><td>125</td><td>140 Peak</td><td>HORIZONTAL</td></tr><tr><td>2</td><td>320.03</td><td>35.39</td><td>46.00</td><td>-10.61</td><td>45.96</td><td>1.92</td><td>19.48</td><td>31.97</td><td>100</td><td>117 Peak</td><td>HORIZONTAL</td></tr><tr><td>3</td><td>380.17</td><td>36.82</td><td>46.00</td><td>-9.18</td><td>45.85</td><td>2.11</td><td>20.85</td><td>31.99</td><td>100</td><td>300 Peak</td><td>HORIZONTAL</td></tr><tr><td>4</td><td>397.63</td><td>40.63</td><td>46.00</td><td>-5.37</td><td>49.03</td><td>2.14</td><td>21.55</td><td>32.09</td><td>100</td><td>309 Peak</td><td>HORIZONTAL</td></tr><tr><td>5</td><td>791.45</td><td>41.85</td><td>46.00</td><td>-4.15</td><td>44.52</td><td>3.05</td><td>26.00</td><td>31.72</td><td>150</td><td>153 Peak</td><td>HORIZONTAL</td></tr><tr><td>6</td><td>794.36</td><td>40.96</td><td>46.00</td><td>-5.04</td><td>43.51</td><td>3.06</td><td>26.09</td><td>31.70</td><td>150</td><td>153 Peak</td><td>HORIZONTAL</td></tr></table>														Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		1	30.97	36.89	40.00	-3.11	45.06	0.51	23.51	32.19	125	140 Peak	HORIZONTAL	2	320.03	35.39	46.00	-10.61	45.96	1.92	19.48	31.97	100	117 Peak	HORIZONTAL	3	380.17	36.82	46.00	-9.18	45.85	2.11	20.85	31.99	100	300 Peak	HORIZONTAL	4	397.63	40.63	46.00	-5.37	49.03	2.14	21.55	32.09	100	309 Peak	HORIZONTAL	5	791.45	41.85	46.00	-4.15	44.52	3.05	26.00	31.72	150	153 Peak	HORIZONTAL	6	794.36	40.96	46.00	-5.04	43.51	3.06	26.09	31.70	150	153 Peak	HORIZONTAL
	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase																																																																																																	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg																																																																																																		
1	30.97	36.89	40.00	-3.11	45.06	0.51	23.51	32.19	125	140 Peak	HORIZONTAL																																																																																																	
2	320.03	35.39	46.00	-10.61	45.96	1.92	19.48	31.97	100	117 Peak	HORIZONTAL																																																																																																	
3	380.17	36.82	46.00	-9.18	45.85	2.11	20.85	31.99	100	300 Peak	HORIZONTAL																																																																																																	
4	397.63	40.63	46.00	-5.37	49.03	2.14	21.55	32.09	100	309 Peak	HORIZONTAL																																																																																																	
5	791.45	41.85	46.00	-4.15	44.52	3.05	26.00	31.72	150	153 Peak	HORIZONTAL																																																																																																	
6	794.36	40.96	46.00	-5.04	43.51	3.06	26.09	31.70	150	153 Peak	HORIZONTAL																																																																																																	
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.)																																																																																																												



RSE TX above 1GHz Result

Appendix F.2

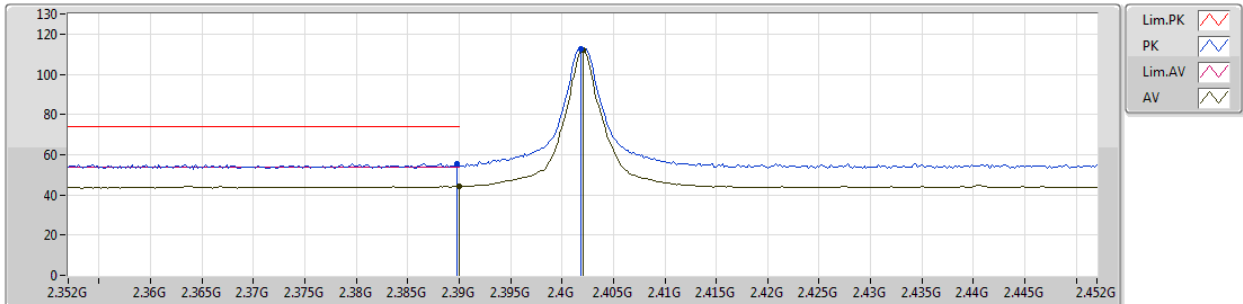
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	AV	2.4836G	53.87	54.00	-0.13	30.96	3	Vertical	118	2.32	-

BT-LE(1Mbps)

2402MHz_TX

02/05/2019



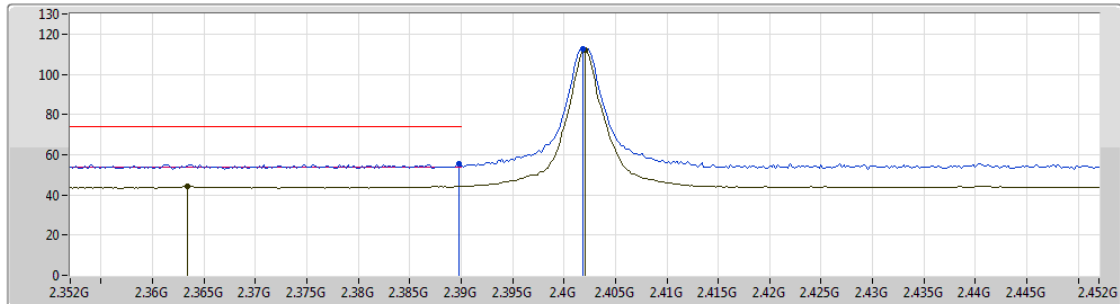
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3898G	55.72	74.00	-18.28	30.80	3	Vertical	344	1.49	-
AV	2.39G	44.36	54.00	-9.64	30.80	3	Vertical	344	1.49	-
PK	2.4018G	112.75	Inf	-Inf	30.84	3	Vertical	344	1.49	-
AV	2.402G	111.92	Inf	-Inf	30.84	3	Vertical	344	1.49	-

BT-LE(1Mbps)

2402MHz_TX

02/05/2019



Lim.PK
PK
Lim_AV
AV

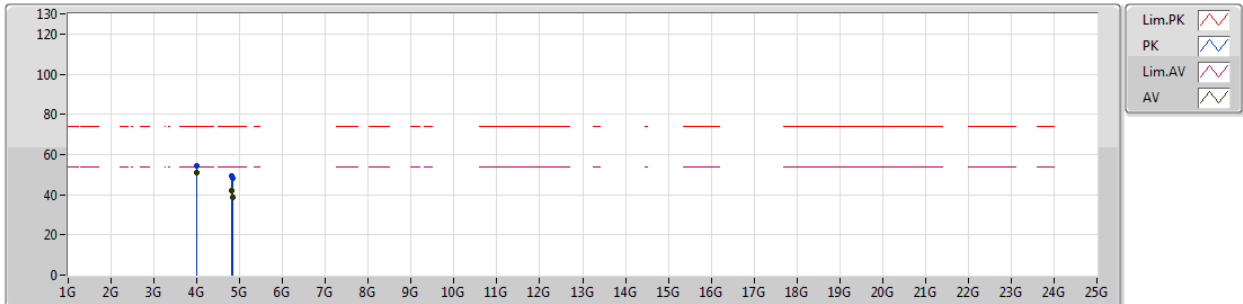
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3898G	55.55	74.00	-18.45	30.80	3	Horizontal	297	1.46	-
AV	2.3634G	44.45	54.00	-9.55	30.70	3	Horizontal	297	1.46	-
PK	2.4018G	112.81	Inf	-Inf	30.84	3	Horizontal	297	1.46	-
AV	2.402G	111.96	Inf	-Inf	30.84	3	Horizontal	297	1.46	-

BT-LE(1Mbps)

2402MHz_TX

02/05/2019



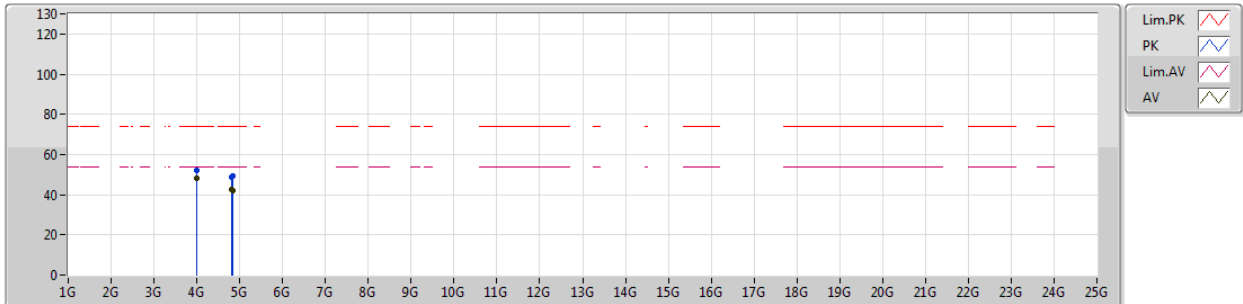
EUT_Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments							
PK	4.00002G	54.26	74.00	-19.74	2.34	3	Vertical	112	1.50	-							
AV	4.00001G	51.26	54.00	-2.74	2.34	3	Vertical	112	1.50	-							
PK	4.80344G	49.18	74.00	-24.82	3.49	3	Vertical	296	2.03	-							
AV	4.80393G	42.24	54.00	-11.76	3.49	3	Vertical	296	2.03	-							
PK	4.84374G	48.16	74.00	-25.84	3.67	3	Vertical	278	1.62	-							
AV	4.8437G	38.73	54.00	-15.27	3.67	3	Vertical	278	1.62	-							

BT-LE(1Mbps)

2402MHz_TX

02/05/2019



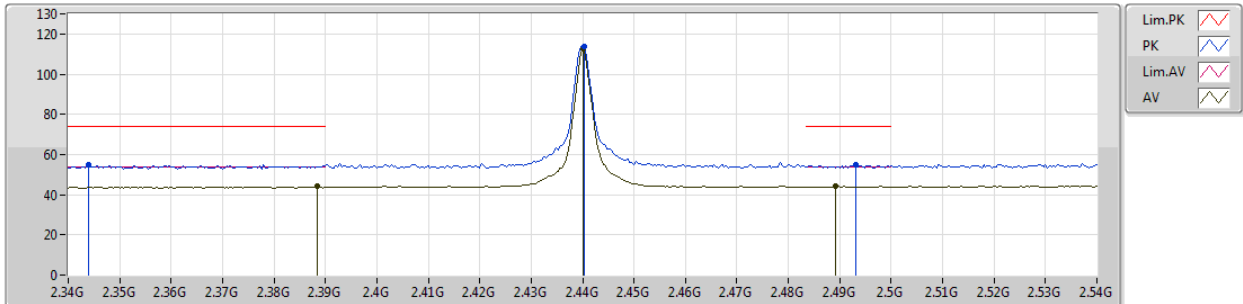
EUT_Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.00004G	51.89	74.00	-22.11	2.34	3	Horizontal	169	1.61	-
AV	4.00001G	48.35	54.00	-5.65	2.34	3	Horizontal	169	1.61	-
PK	4.80345G	48.82	74.00	-25.18	3.49	3	Horizontal	285	1.96	-
AV	4.80394G	42.34	54.00	-11.66	3.49	3	Horizontal	285	1.96	-
PK	4.84358G	49.58	74.00	-24.42	3.67	3	Horizontal	185	2.53	-
AV	4.84369G	41.90	54.00	-12.10	3.67	3	Horizontal	185	2.53	-

BT-LE(1Mbps)

2440MHz_TX

02/05/2019



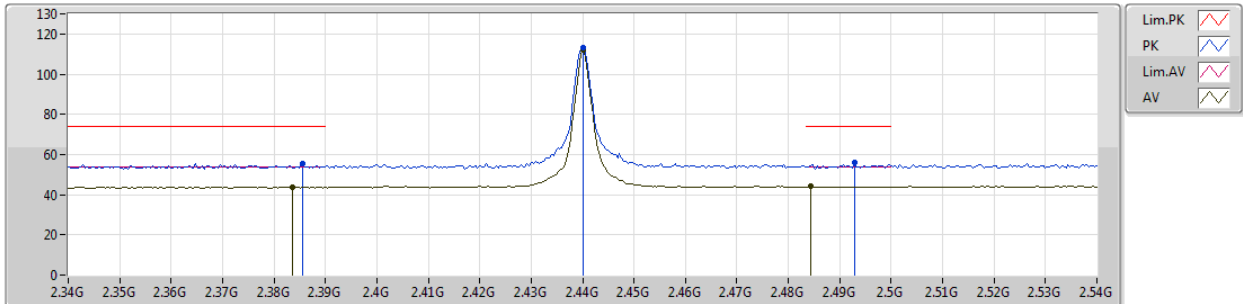
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.344G	55.03	74.00	-18.97	30.63	3	Vertical	112	2.09	-
AV	2.3884G	44.01	54.00	-9.99	30.80	3	Vertical	112	2.09	-
PK	2.4404G	113.64	Inf	-Inf	30.90	3	Vertical	112	2.09	-
AV	2.44G	112.80	Inf	-Inf	30.90	3	Vertical	112	2.09	-
PK	2.4932G	55.01	74.00	-18.99	30.98	3	Vertical	112	2.09	-
AV	2.4892G	44.20	54.00	-9.80	30.97	3	Vertical	112	2.09	-

BT-LE(1Mbps)

2440MHz_TX

02/05/2019



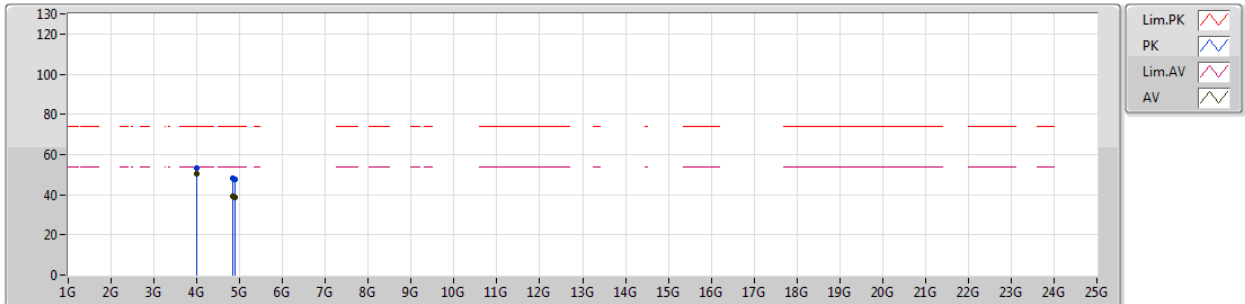
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3856G	55.34	74.00	-18.66	30.79	3	Horizontal	296	1.48	-
AV	2.3836G	43.79	54.00	-10.21	30.78	3	Horizontal	296	1.48	-
PK	2.44G	112.92	Inf	-Inf	30.90	3	Horizontal	296	1.48	-
AV	2.44G	111.92	Inf	-Inf	30.90	3	Horizontal	296	1.48	-
PK	2.4928G	55.88	74.00	-18.12	30.98	3	Horizontal	296	1.48	-
AV	2.4844G	44.04	54.00	-9.96	30.96	3	Horizontal	296	1.48	-

BT-LE(1Mbps)

2440MHz_TX

02/05/2019



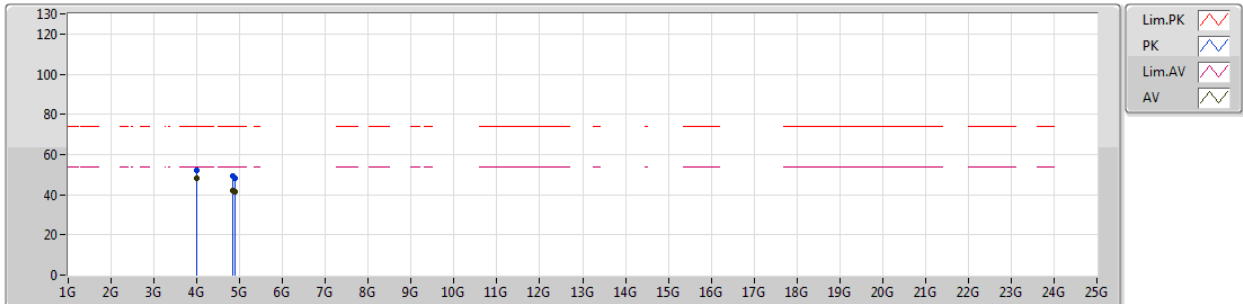
EUT_Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	3.99999G	53.47	74.00	-20.53	2.34	3	Vertical	109	1.50	-
AV	4.00002G	50.48	54.00	-3.52	2.34	3	Vertical	109	1.50	-
PK	4.84379G	48.45	74.00	-25.55	3.67	3	Vertical	273	1.63	-
AV	4.8437G	39.16	54.00	-14.84	3.67	3	Vertical	273	1.63	-
PK	4.87963G	47.80	74.00	-26.20	3.84	3	Vertical	263	2.81	-
AV	4.8799G	38.64	54.00	-15.36	3.84	3	Vertical	263	2.81	-

BT-LE(1Mbps)

2440MHz_TX

02/05/2019



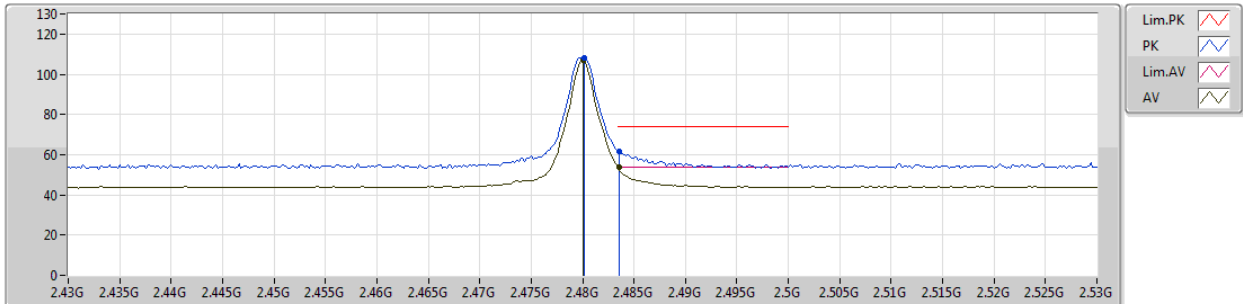
EUT_Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	3.99997G	51.96	74.00	-22.04	2.34	3	Horizontal	170	1.65	-
AV	4.00004G	48.37	54.00	-5.63	2.34	3	Horizontal	170	1.65	-
PK	4.84367G	49.28	74.00	-24.72	3.67	3	Horizontal	182	2.50	-
AV	4.84374G	41.92	54.00	-12.08	3.67	3	Horizontal	182	2.50	-
PK	4.8798G	48.12	74.00	-25.88	3.84	3	Horizontal	286	1.50	-
AV	4.8799G	41.60	54.00	-12.40	3.84	3	Horizontal	286	1.50	-

BT-LE(1Mbps)

2480MHz_TX

03/05/2019



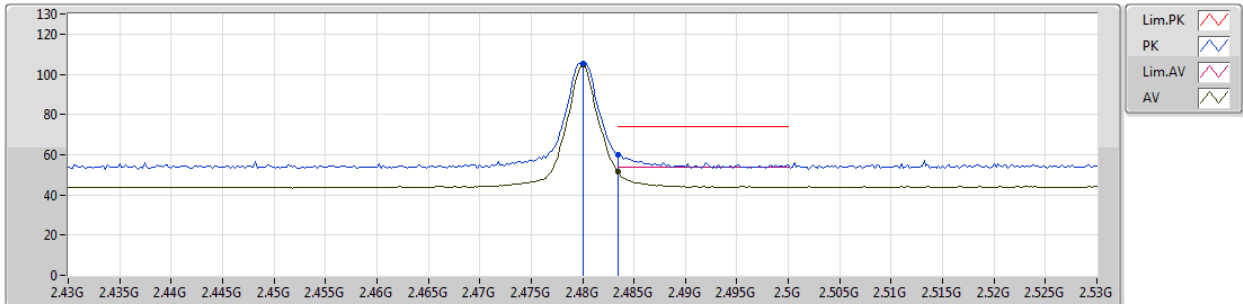
EUT Y_1TX
Setting 14.2dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.4802G	107.98	Inf	-Inf	30.96	3	Vertical	118	2.32	-
AV	2.48G	107.13	Inf	-Inf	30.96	3	Vertical	118	2.32	-
PK	2.4836G	61.86	74.00	-12.14	30.96	3	Vertical	118	2.32	-
AV	2.4836G	53.87	54.00	-0.13	30.96	3	Vertical	118	2.32	-

BT-LE(1Mbps)

2480MHz_TX

02/05/2019



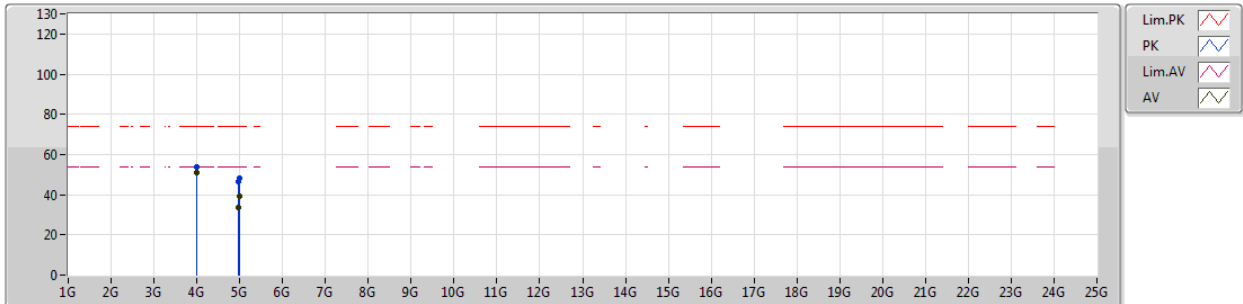
EUT Y_1TX
Setting 14.2dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.48G	105.56	Inf	-Inf	30.96	3	Horizontal	293	1.48	-
AV	2.48G	104.70	Inf	-Inf	30.96	3	Horizontal	293	1.48	-
PK	2.4835G	59.96	74.00	-14.04	30.96	3	Horizontal	293	1.48	-
AV	2.4835G	51.41	54.00	-2.59	30.96	3	Horizontal	293	1.48	-

BT-LE(1Mbps)

2480MHz_TX

02/05/2019



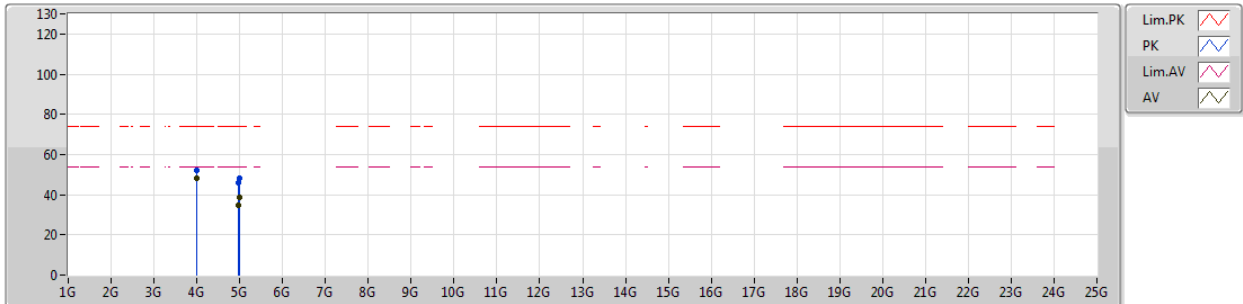
EUT_Y_1TX
Setting 14.2dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.00004G	53.65	74.00	-20.35	2.34	3	Vertical	111	1.50	-
AV	4.00001G	50.80	54.00	-3.20	2.34	3	Vertical	111	1.50	-
PK	4.96054G	46.61	74.00	-27.39	4.20	3	Vertical	1	1.55	-
AV	4.95952G	33.83	54.00	-20.17	4.20	3	Vertical	1	1.55	-
PK	5.0002G	47.96	74.00	-26.04	4.38	3	Vertical	303	1.97	-
AV	5.0002G	39.17	54.00	-14.83	4.38	3	Vertical	303	1.97	-

BT-LE(1Mbps)

2480MHz_TX

02/05/2019



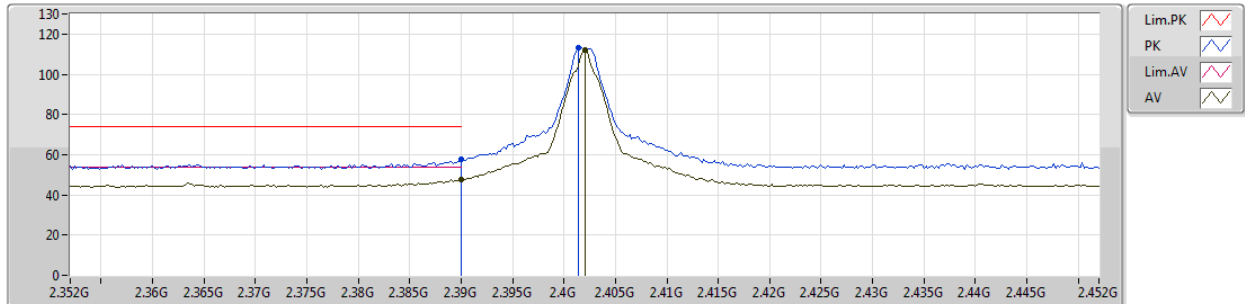
EUT Y_1TX
Setting 14.2dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.00007G	51.84	74.00	-22.16	2.34	3	Horizontal	169	1.66	-
AV	4.00003G	48.20	54.00	-5.80	2.34	3	Horizontal	169	1.66	-
PK	4.9655G	46.12	74.00	-27.88	4.23	3	Horizontal	323	1.35	-
AV	4.9601G	34.91	54.00	-19.09	4.20	3	Horizontal	323	1.35	-
PK	5G	48.10	74.00	-25.90	4.38	3	Horizontal	209	1.02	-
AV	5G	38.78	54.00	-15.22	4.38	3	Horizontal	209	1.02	-

BT-LE(2Mbps)

2402MHz_TX

02/05/2019



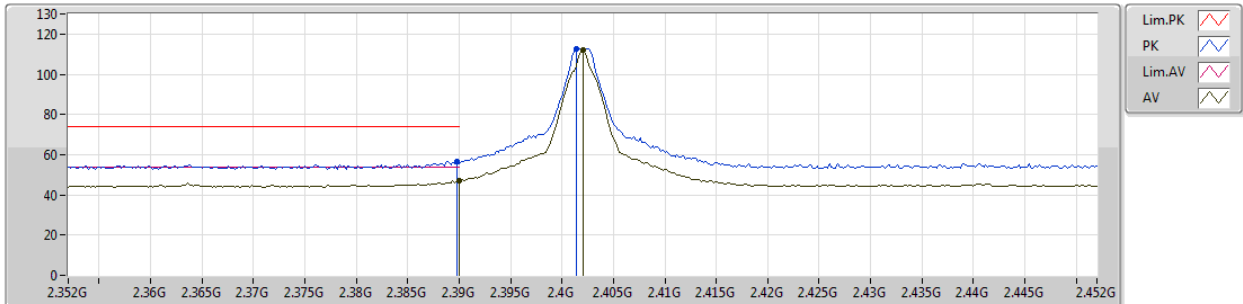
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.39G	57.48	74.00	-16.52	30.80	3	Vertical	242	1.71	-
AV	2.39G	47.79	54.00	-6.21	30.80	3	Vertical	242	1.71	-
PK	2.4014G	112.91	Inf	-Inf	30.84	3	Vertical	242	1.71	-
AV	2.402G	112.14	Inf	-Inf	30.84	3	Vertical	242	1.71	-

BT-LE(2Mbps)

2402MHz_TX

02/05/2019



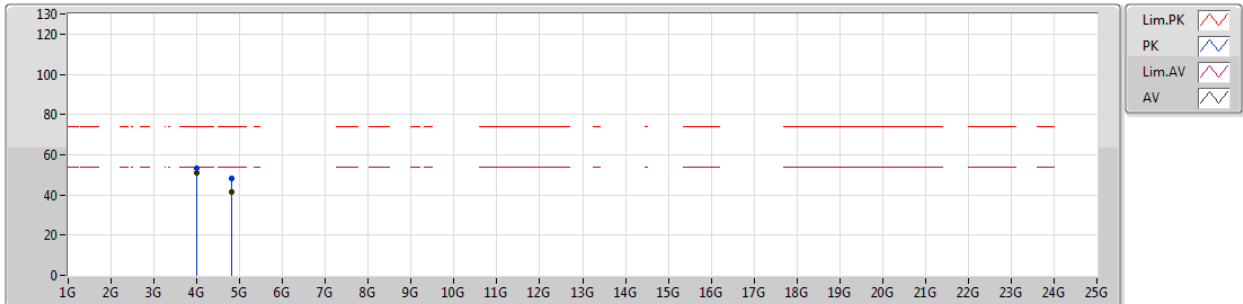
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3898G	56.54	74.00	-17.46	30.80	3	Horizontal	298	1.46	-
AV	2.39G	46.88	54.00	-7.12	30.80	3	Horizontal	298	1.46	-
PK	2.4014G	112.80	Inf	-Inf	30.84	3	Horizontal	298	1.46	-
AV	2.402G	112.01	Inf	-Inf	30.84	3	Horizontal	298	1.46	-

BT-LE(2Mbps)

2402MHz_TX

02/05/2019



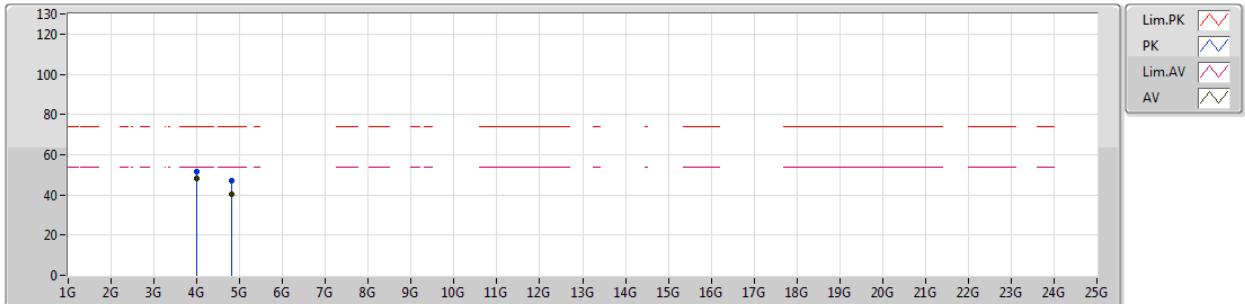
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.00008G	53.33	74.00	-20.67	2.34	3	Vertical	109	1.50	-
AV	4.00002G	50.81	54.00	-3.19	2.34	3	Vertical	109	1.50	-
PK	4.80404G	48.26	74.00	-25.74	3.49	3	Vertical	296	2.09	-
AV	4.804G	41.73	54.00	-12.27	3.49	3	Vertical	296	2.09	-

BT-LE(2Mbps)

2402MHz_TX

02/05/2019



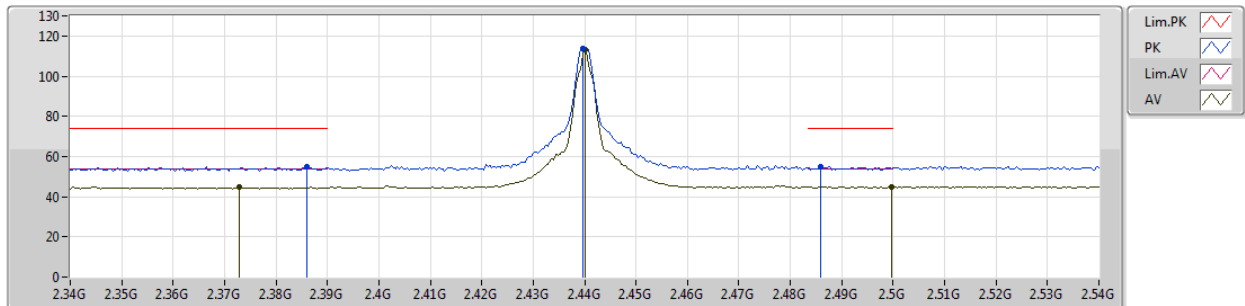
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4G	51.82	74.00	-22.18	2.34	3	Horizontal	170	1.47	-
AV	4G	48.22	54.00	-5.78	2.34	3	Horizontal	170	1.47	-
PK	4.80402G	47.15	74.00	-26.85	3.49	3	Horizontal	126	1.42	-
AV	4.80398G	40.57	54.00	-13.43	3.49	3	Horizontal	126	1.42	-

BT-LE(2Mbps)

2440MHz_TX

02/05/2019



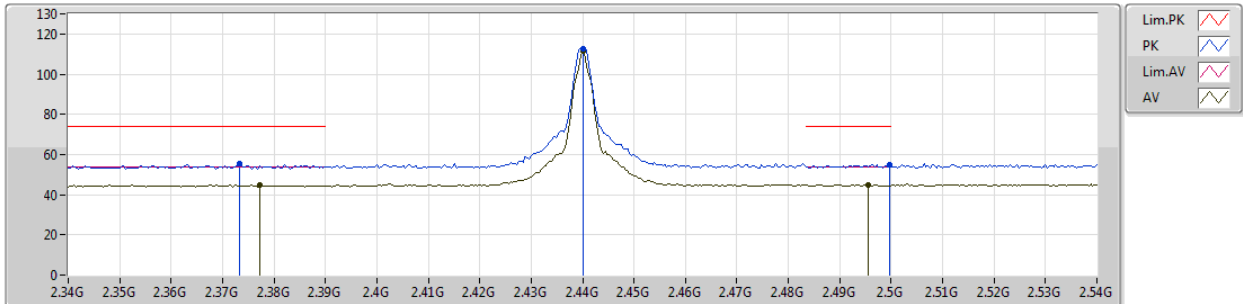
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.386G	54.89	74.00	-19.11	30.79	3	Vertical	110	2.04	-
AV	2.3728G	44.63	54.00	-9.37	30.74	3	Vertical	110	2.04	-
PK	2.4396G	114.03	Inf	-Inf	30.90	3	Vertical	110	2.04	-
AV	2.44G	113.18	Inf	-Inf	30.90	3	Vertical	110	2.04	-
PK	2.486G	54.80	74.00	-19.20	30.97	3	Vertical	110	2.04	-
AV	2.4996G	44.97	54.00	-9.03	30.99	3	Vertical	110	2.04	-

BT-LE(2Mbps)

2440MHz_TX

02/05/2019



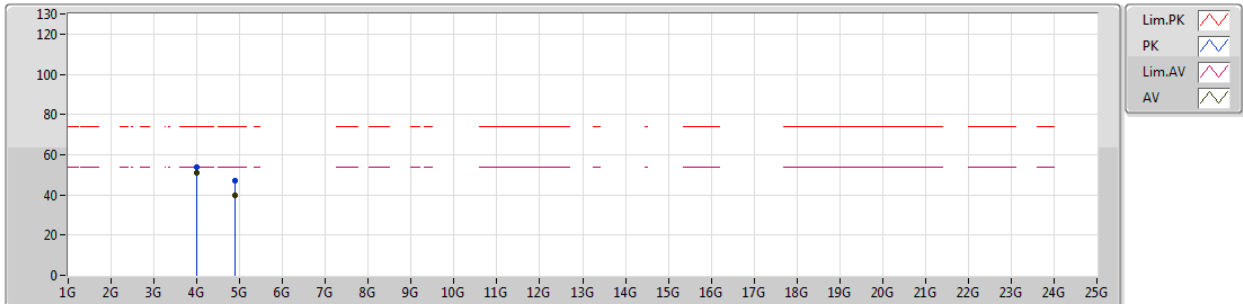
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3732G	55.48	74.00	-18.52	30.74	3	Horizontal	300	1.49	-
AV	2.3772G	44.81	54.00	-9.19	30.75	3	Horizontal	300	1.49	-
PK	2.44G	112.58	Inf	-Inf	30.90	3	Horizontal	300	1.49	-
AV	2.44G	111.71	Inf	-Inf	30.90	3	Horizontal	300	1.49	-
PK	2.4996G	55.19	74.00	-18.81	30.99	3	Horizontal	300	1.49	-
AV	2.4956G	44.99	54.00	-9.01	30.99	3	Horizontal	300	1.49	-

BT-LE(2Mbps)

2440MHz_TX

02/05/2019



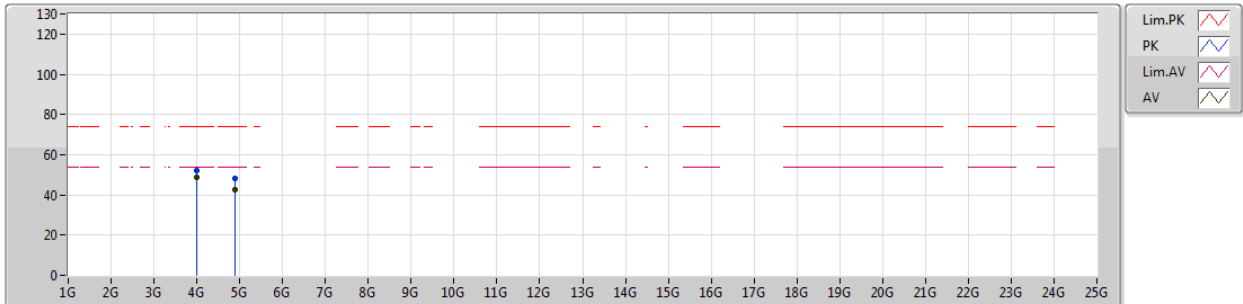
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	3.99998G	53.70	74.00	-20.30	2.34	3	Vertical	111	1.50	-
AV	4.00001G	51.03	54.00	-2.97	2.34	3	Vertical	111	1.50	-
PK	4.88006G	46.94	74.00	-27.06	3.84	3	Vertical	263	1.44	-
AV	4.88G	39.54	54.00	-14.46	3.84	3	Vertical	263	1.44	-

BT-LE(2Mbps)

2440MHz_TX

02/05/2019



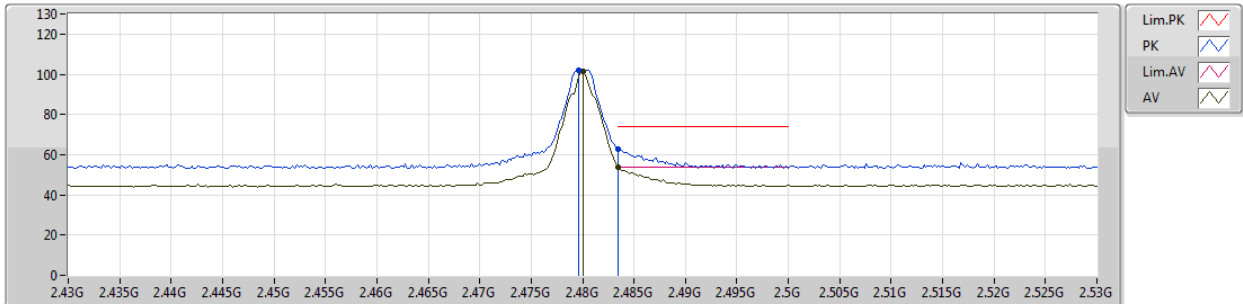
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4G	51.93	74.00	-22.07	2.34	3	Horizontal	169	1.67	-
AV	4G	48.66	54.00	-5.34	2.34	3	Horizontal	169	1.67	-
PK	4.87904G	48.39	74.00	-25.61	3.83	3	Horizontal	281	1.50	-
AV	4.87996G	42.36	54.00	-11.64	3.84	3	Horizontal	281	1.50	-

BT-LE(2Mbps)

2480MHz_TX

02/05/2019



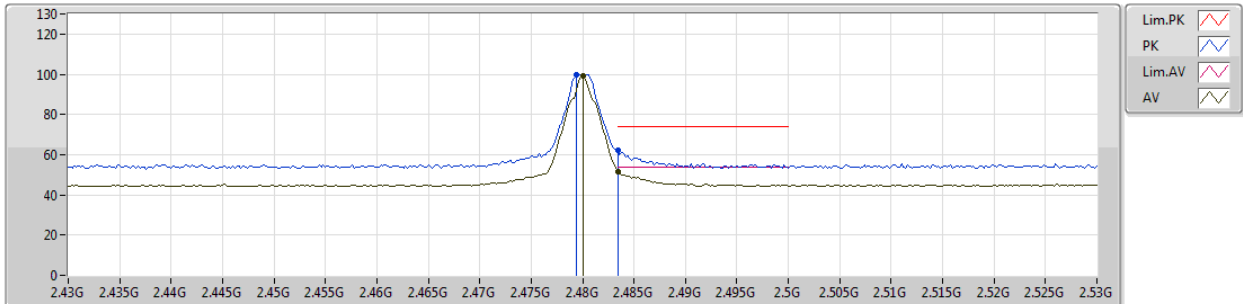
EUT Y_1TX
Setting 7.5dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
PK	2.4796G	102.12	Inf	-Inf	30.96	3	Vertical	113	2.18	-								
AV	2.48G	101.34	Inf	-Inf	30.96	3	Vertical	113	2.18	-								
PK	2.4835G	62.62	74.00	-11.38	30.96	3	Vertical	113	2.18	-								
AV	2.4835G	53.86	54.00	-0.14	30.96	3	Vertical	113	2.18	-								

BT-LE(2Mbps)

2480MHz_TX

02/05/2019



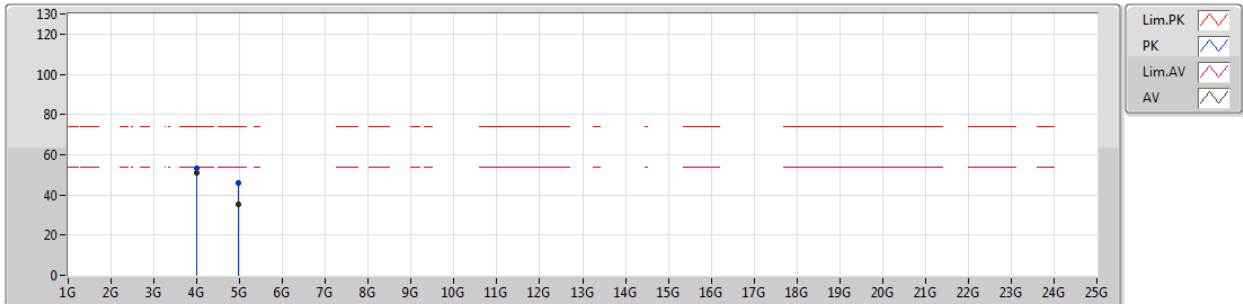
EUT Y_1TX
Setting 7.5dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.4794G	99.67	Inf	-Inf	30.96	3	Horizontal	295	1.49	-
AV	2.48G	98.93	Inf	-Inf	30.96	3	Horizontal	295	1.49	-
PK	2.4835G	62.16	74.00	-11.84	30.96	3	Horizontal	295	1.49	-
AV	2.4835G	51.71	54.00	-2.29	30.96	3	Horizontal	295	1.49	-

BT-LE(2Mbps)

2480MHz_TX

02/05/2019



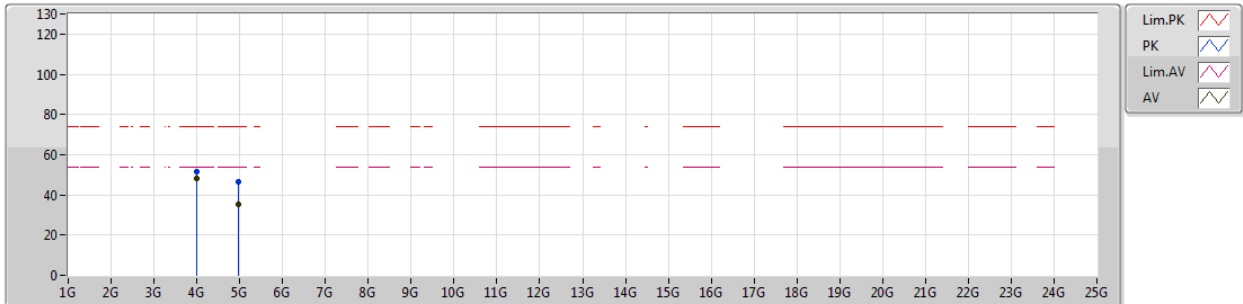
EUT Y_1TX
Setting 7.5dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.00002G	53.45	74.00	-20.55	2.34	3	Vertical	109	1.50	-
AV	4.00009G	51.11	54.00	-2.89	2.34	3	Vertical	109	1.50	-
PK	4.95802G	46.16	74.00	-27.84	4.19	3	Vertical	90	2.44	-
AV	4.95904G	35.47	54.00	-18.53	4.20	3	Vertical	90	2.44	-

BT-LE(2Mbps)

2480MHz_TX

02/05/2019



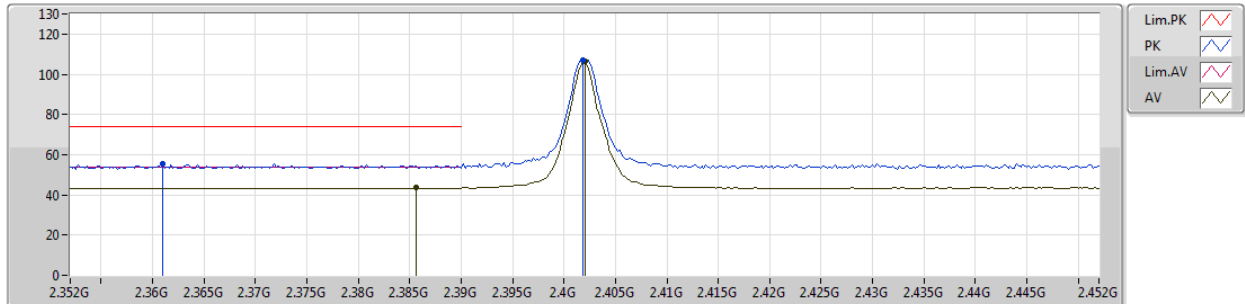
EUT Y_1TX
Setting 7.5dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.00004G	51.30	74.00	-22.70	2.34	3	Horizontal	173	1.50	-
AV	3.99998G	48.14	54.00	-5.86	2.34	3	Horizontal	173	1.50	-
PK	4.95688G	46.33	74.00	-27.67	4.19	3	Horizontal	208	1.52	-
AV	4.97302G	35.31	54.00	-18.69	4.26	3	Horizontal	208	1.52	-

BT-LE(500Kbps)

2402MHz_TX

03/05/2019



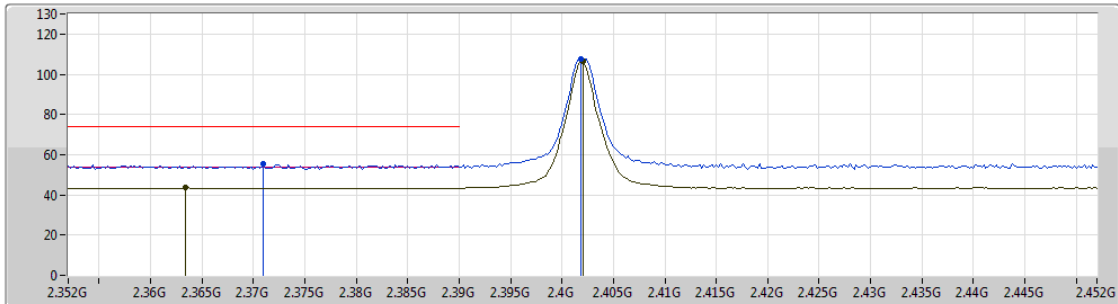
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.361G	55.21	74.00	-18.79	30.69	3	Vertical	343	1.50	-
AV	2.3856G	43.44	54.00	-10.56	30.79	3	Vertical	343	1.50	-
PK	2.4018G	107.30	Inf	-Inf	30.84	3	Vertical	343	1.50	-
AV	2.402G	106.19	Inf	-Inf	30.84	3	Vertical	343	1.50	-

BT-LE(500Kbps)

2402MHz_TX

03/05/2019



Lim.PK
PK
Lim_AV
AV

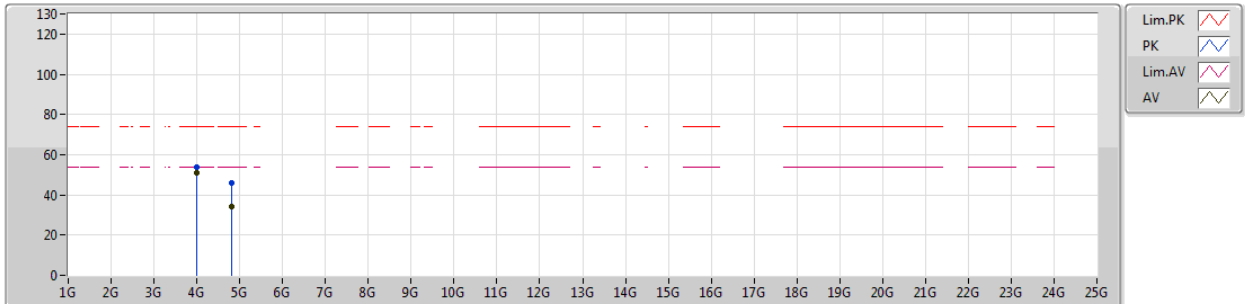
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.371G	55.62	74.00	-18.38	30.73	3	Horizontal	292	2.20	-
AV	2.3634G	43.61	54.00	-10.39	30.70	3	Horizontal	292	2.20	-
PK	2.4018G	107.72	Inf	-Inf	30.84	3	Horizontal	292	2.20	-
AV	2.402G	106.65	Inf	-Inf	30.84	3	Horizontal	292	2.20	-

BT-LE(500Kbps)

2402MHz_TX

03/05/2019



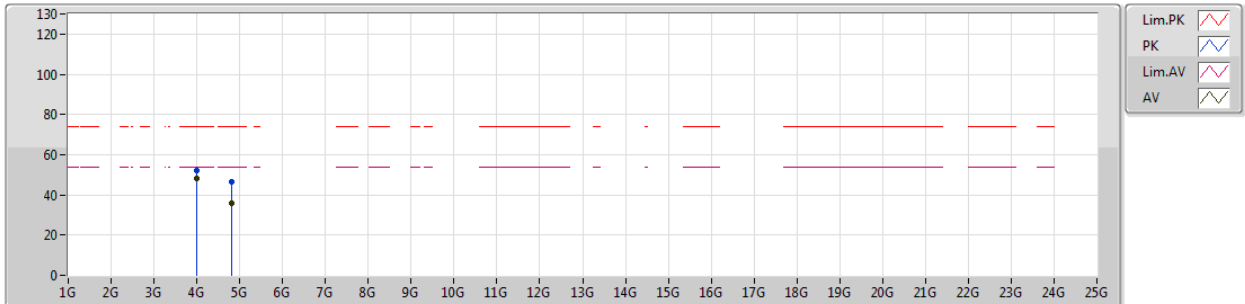
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.00011G	53.58	74.00	-20.42	2.34	3	Vertical	110	1.50	-
AV	4.00003G	50.75	54.00	-3.25	2.34	3	Vertical	110	1.50	-
PK	4.80394G	46.01	74.00	-27.99	3.49	3	Vertical	214	1.79	-
AV	4.80348G	34.46	54.00	-19.54	3.49	3	Vertical	214	1.79	-

BT-LE(500Kbps)

2402MHz_TX

03/05/2019



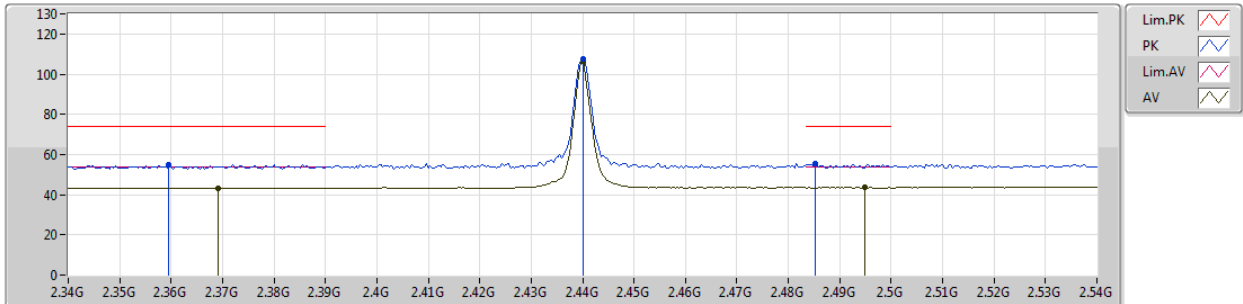
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
PK	4.00005G	51.86	74.00	-22.14	2.34	3	Horizontal	169	1.65	-								
AV	4.00003G	48.12	54.00	-5.88	2.34	3	Horizontal	169	1.65	-								
PK	4.8044G	46.72	74.00	-27.28	3.50	3	Horizontal	203	1.50	-								
AV	4.80356G	35.85	54.00	-18.15	3.49	3	Horizontal	203	1.50	-								

BT-LE(500Kbps)

2440MHz_TX

03/05/2019



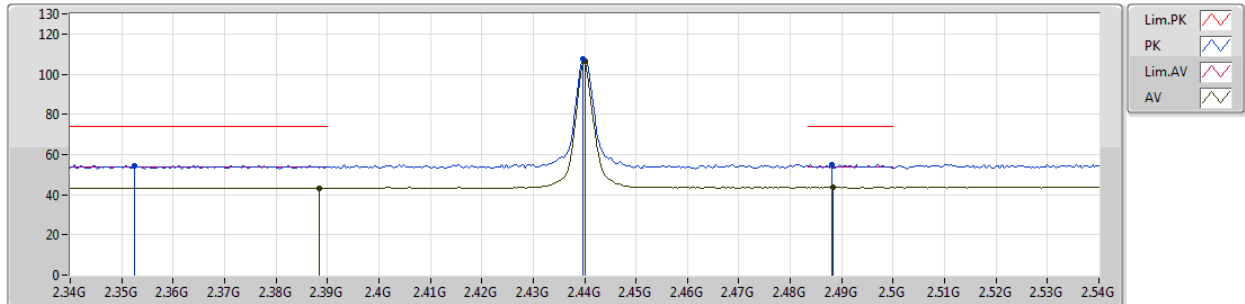
EUT_Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3596G	55.06	74.00	-18.94	30.69	3	Vertical	345	2.04	-
AV	2.3692G	43.36	54.00	-10.64	30.73	3	Vertical	345	2.04	-
PK	2.44G	107.31	Inf	-Inf	30.90	3	Vertical	345	2.04	-
AV	2.44G	106.26	Inf	-Inf	30.90	3	Vertical	345	2.04	-
PK	2.4852G	55.30	74.00	-18.70	30.97	3	Vertical	345	2.04	-
AV	2.4948G	43.63	54.00	-10.37	30.98	3	Vertical	345	2.04	-

BT-LE(500Kbps)

2440MHz_TX

03/05/2019



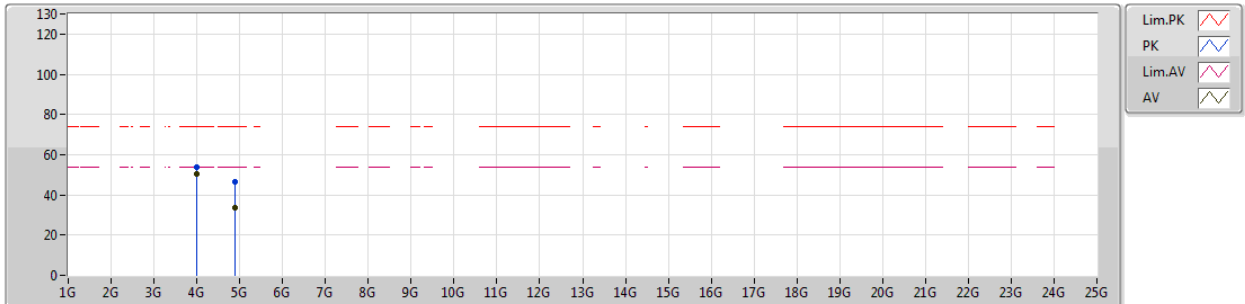
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3524G	54.60	74.00	-19.40	30.66	3	Horizontal	297	1.50	-
AV	2.3884G	43.38	54.00	-10.62	30.80	3	Horizontal	297	1.50	-
PK	2.4396G	107.33	Inf	-Inf	30.90	3	Horizontal	297	1.50	-
AV	2.44G	106.29	Inf	-Inf	30.90	3	Horizontal	297	1.50	-
PK	2.488G	55.15	74.00	-18.85	30.97	3	Horizontal	297	1.50	-
AV	2.4884G	43.67	54.00	-10.33	30.97	3	Horizontal	297	1.50	-

BT-LE(500Kbps)

2440MHz_TX

03/05/2019



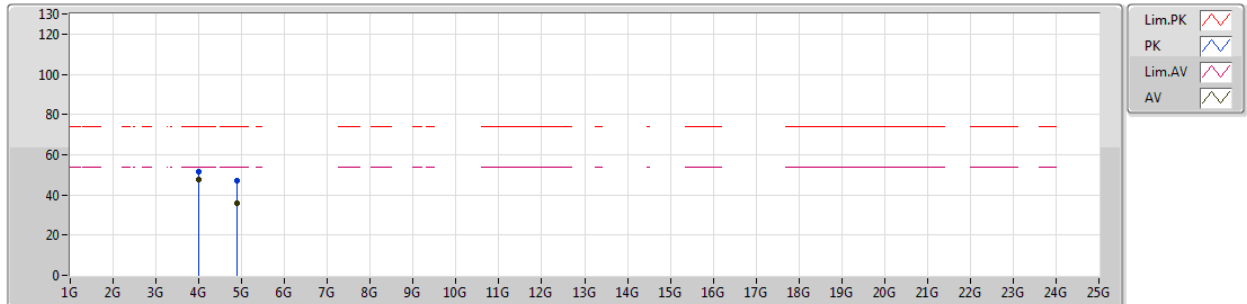
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
PK	3.99994G	53.61	74.00	-20.39	2.34	3	Vertical	109	1.50	-								
AV	3.99999G	50.40	54.00	-3.60	2.34	3	Vertical	109	1.50	-								
PK	4.87942G	46.30	74.00	-27.70	3.84	3	Vertical	288	1.42	-								
AV	4.87947G	33.78	54.00	-20.22	3.84	3	Vertical	288	1.42	-								

BT-LE(500Kbps)

2440MHz_TX

03/05/2019



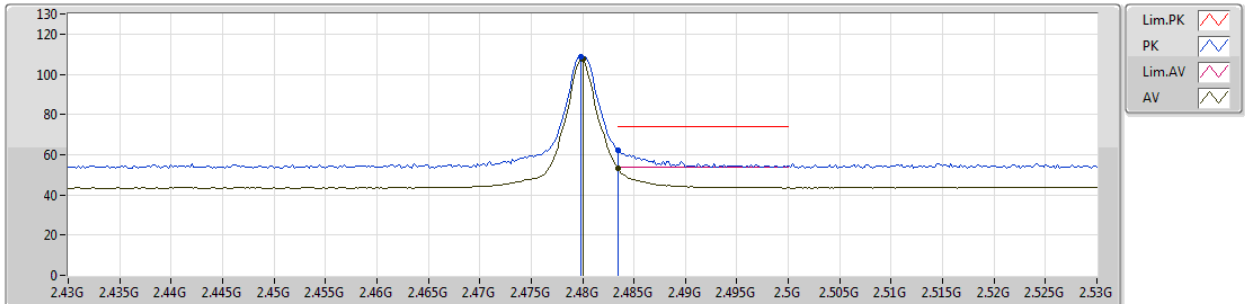
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.0001G	51.82	74.00	-22.18	2.34	3	Horizontal	172	1.47	-
AV	4.00002G	47.72	54.00	-6.28	2.34	3	Horizontal	172	1.47	-
PK	4.8803G	47.13	74.00	-26.87	3.84	3	Horizontal	297	2.94	-
AV	4.87959G	36.12	54.00	-17.88	3.84	3	Horizontal	297	2.94	-

BT-LE(500Kbps)

2480MHz_TX

03/05/2019



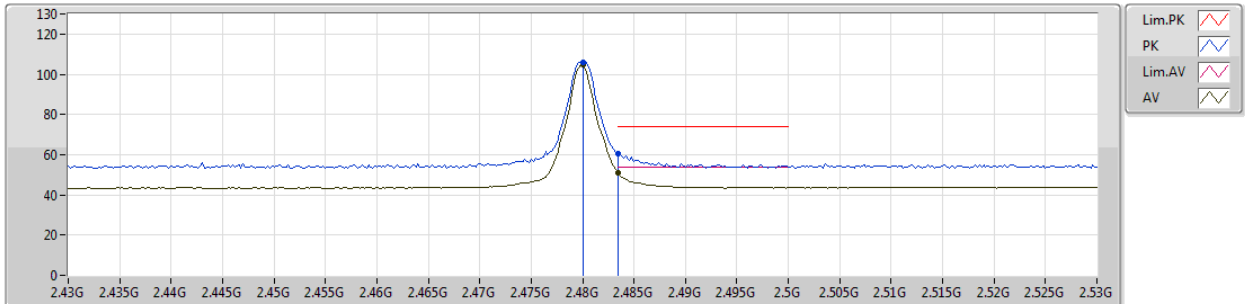
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Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.4798G	108.55	Inf	-Inf	30.96	3	Vertical	113	2.16	-
AV	2.48G	107.46	Inf	-Inf	30.96	3	Vertical	113	2.16	-
PK	2.4835G	62.43	74.00	-11.57	30.96	3	Vertical	113	2.16	-
AV	2.4835G	53.11	54.00	-0.89	30.96	3	Vertical	113	2.16	-

BT-LE(500Kbps)

2480MHz_TX

03/05/2019



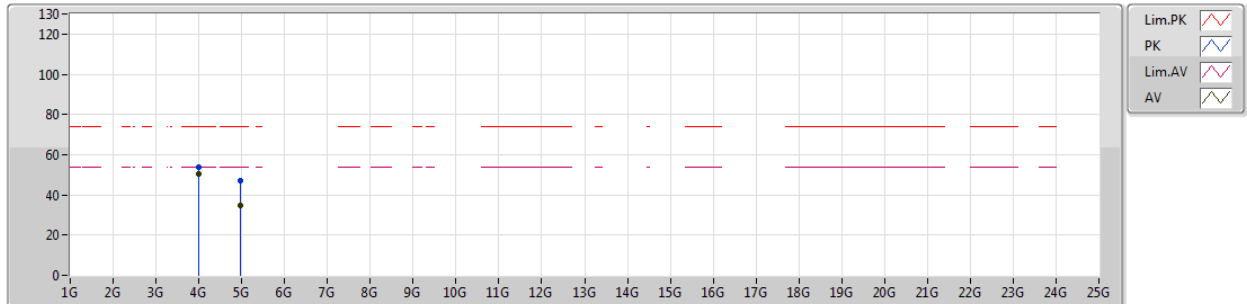
EUT_Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.48G	106.04	Inf	-Inf	30.96	3	Horizontal	295	1.50	-
AV	2.48G	104.91	Inf	-Inf	30.96	3	Horizontal	295	1.50	-
PK	2.4835G	60.61	74.00	-13.39	30.96	3	Horizontal	295	1.50	-
AV	2.4835G	50.99	54.00	-3.01	30.96	3	Horizontal	295	1.50	-

BT-LE(500Kbps)

2480MHz_TX

03/05/2019



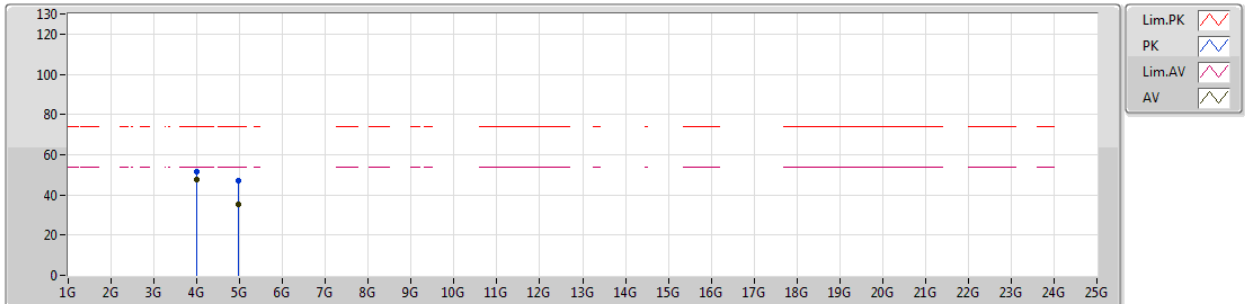
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	3.999999G	53.68	74.00	-20.32	2.34	3	Vertical	111	1.51	-
AV	4G	50.55	54.00	-3.45	2.34	3	Vertical	111	1.51	-
PK	4.95958G	47.17	74.00	-26.83	4.20	3	Vertical	293	1.50	-
AV	4.95946G	34.91	54.00	-19.09	4.20	3	Vertical	293	1.50	-

BT-LE(500Kbps)

2480MHz_TX

03/05/2019



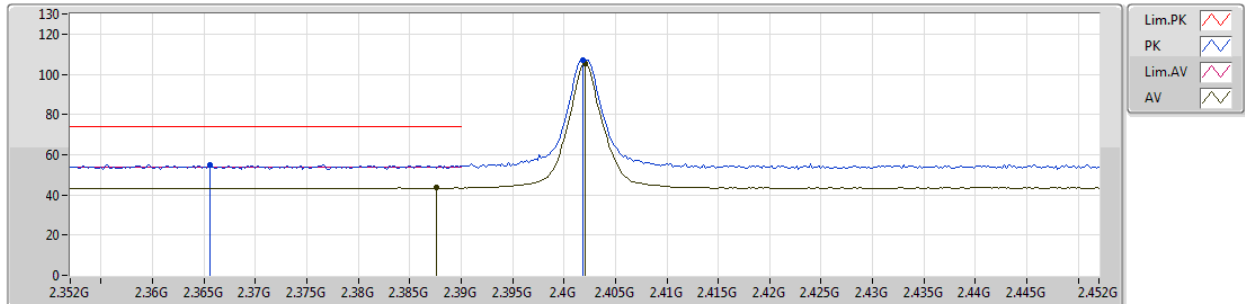
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.00001G	51.40	74.00	-22.60	2.34	3	Horizontal	172	1.47	-
AV	4.00004G	47.60	54.00	-6.40	2.34	3	Horizontal	172	1.47	-
PK	4.95926G	47.07	74.00	-26.93	4.20	3	Horizontal	295	2.99	-
AV	4.95952G	35.19	54.00	-18.81	4.20	3	Horizontal	295	2.99	-

BT-LE(125Kbps)

2402MHz_TX

03/05/2019



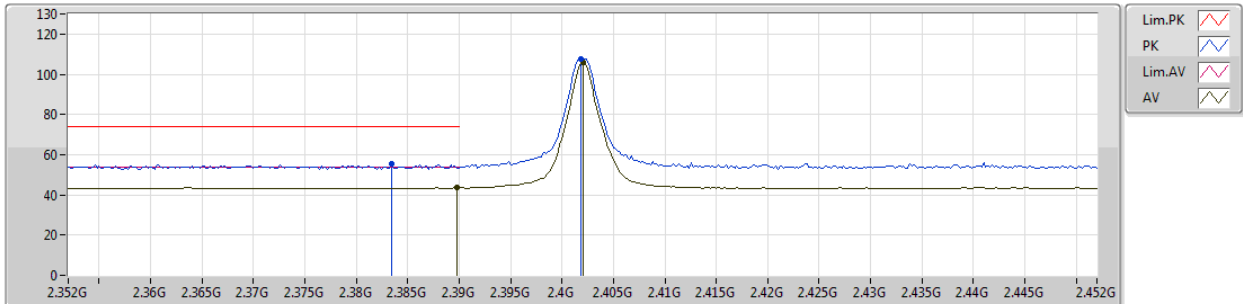
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	2.3656G	54.89	74.00	-19.11	30.71	3	Vertical	343	1.49	-						
AV	2.3876G	43.46	54.00	-10.54	30.79	3	Vertical	343	1.49	-						
PK	2.4018G	107.16	Inf	-Inf	30.84	3	Vertical	343	1.49	-						
AV	2.402G	105.45	Inf	-Inf	30.84	3	Vertical	343	1.49	-						

BT-LE(125Kbps)

2402MHz_TX

03/05/2019



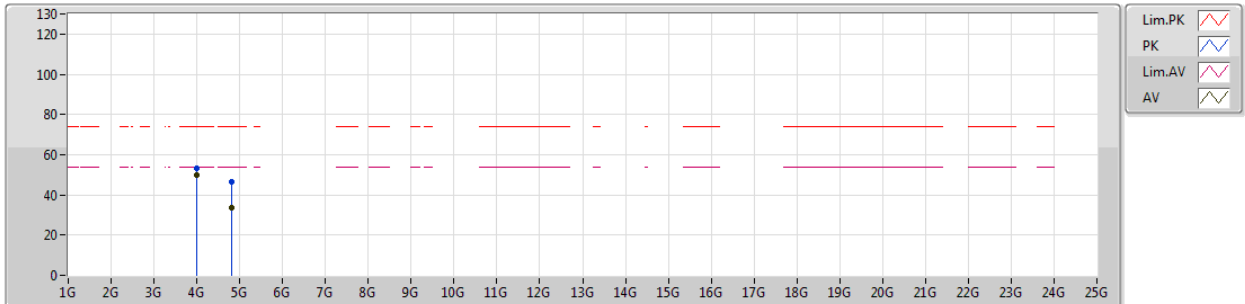
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3834G	55.30	74.00	-18.70	30.78	3	Horizontal	295	1.81	-
AV	2.3898G	43.58	54.00	-10.42	30.80	3	Horizontal	295	1.81	-
PK	2.4018G	107.68	Inf	-Inf	30.84	3	Horizontal	295	1.81	-
AV	2.402G	105.93	Inf	-Inf	30.84	3	Horizontal	295	1.81	-

BT-LE(125Kbps)

2402MHz_TX

03/05/2019



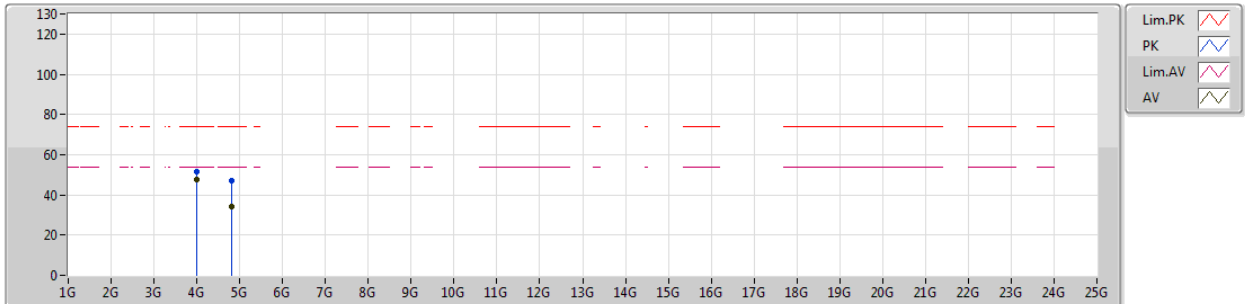
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
PK	3.99994G	53.12	74.00	-20.88	2.34	3	Vertical	112	1.50	-								
AV	4G	50.05	54.00	-3.95	2.34	3	Vertical	112	1.50	-								
PK	4.80316G	46.27	74.00	-27.73	3.49	3	Vertical	121	1.16	-								
AV	4.80434G	33.35	54.00	-20.65	3.50	3	Vertical	121	1.16	-								

BT-LE(125Kbps)

2402MHz_TX

03/05/2019



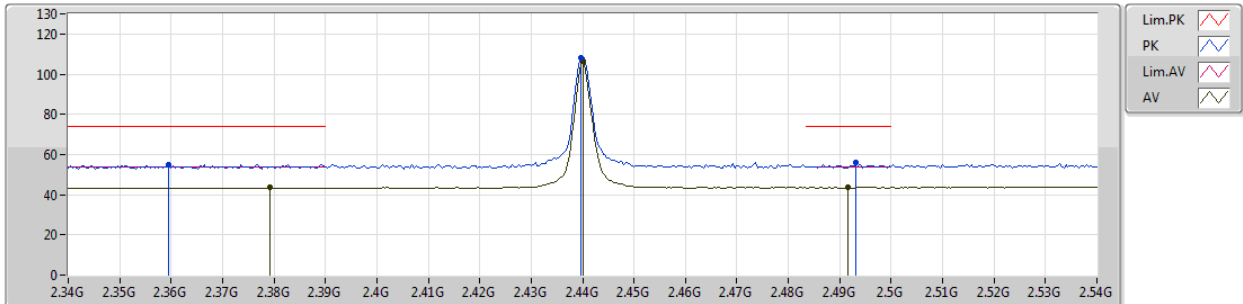
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.00008G	51.61	74.00	-22.39	2.34	3	Horizontal	170	1.47	-
AV	4.00001G	47.54	54.00	-6.46	2.34	3	Horizontal	170	1.47	-
PK	4.80378G	46.90	74.00	-27.10	3.49	3	Horizontal	204	1.49	-
AV	4.8042G	34.45	54.00	-19.55	3.50	3	Horizontal	204	1.49	-

BT-LE(125Kbps)

2440MHz_TX

03/05/2019



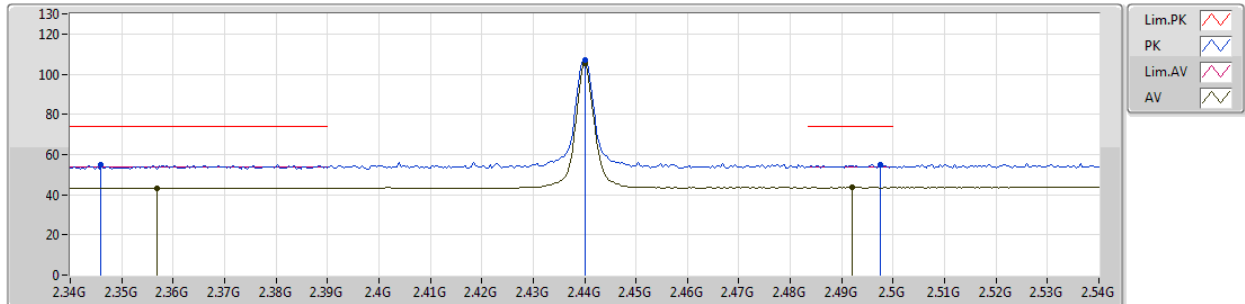
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3596G	55.09	74.00	-18.91	30.69	3	Vertical	111	2.07	-
AV	2.3792G	43.43	54.00	-10.57	30.76	3	Vertical	111	2.07	-
PK	2.4396G	108.20	Inf	-Inf	30.90	3	Vertical	111	2.07	-
AV	2.44G	106.53	Inf	-Inf	30.90	3	Vertical	111	2.07	-
PK	2.4932G	55.77	74.00	-18.23	30.98	3	Vertical	111	2.07	-
AV	2.4916G	43.71	54.00	-10.29	30.98	3	Vertical	111	2.07	-

BT-LE(125Kbps)

2440MHz_TX

03/05/2019



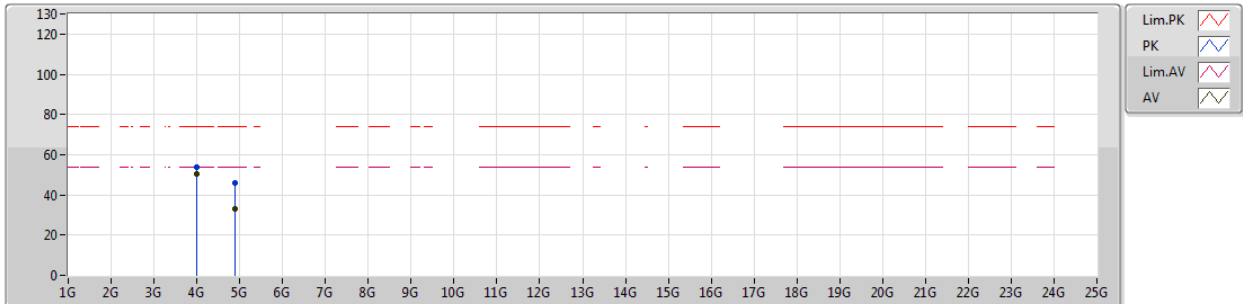
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.346G	54.81	74.00	-19.19	30.64	3	Horizontal	298	1.48	-
AV	2.3568G	43.31	54.00	-10.69	30.68	3	Horizontal	298	1.48	-
PK	2.44G	107.28	Inf	-Inf	30.90	3	Horizontal	298	1.48	-
AV	2.44G	105.59	Inf	-Inf	30.90	3	Horizontal	298	1.48	-
PK	2.4976G	54.78	74.00	-19.22	30.99	3	Horizontal	298	1.48	-
AV	2.492G	43.67	54.00	-10.33	30.98	3	Horizontal	298	1.48	-

BT-LE(125Kbps)

2440MHz_TX

03/05/2019



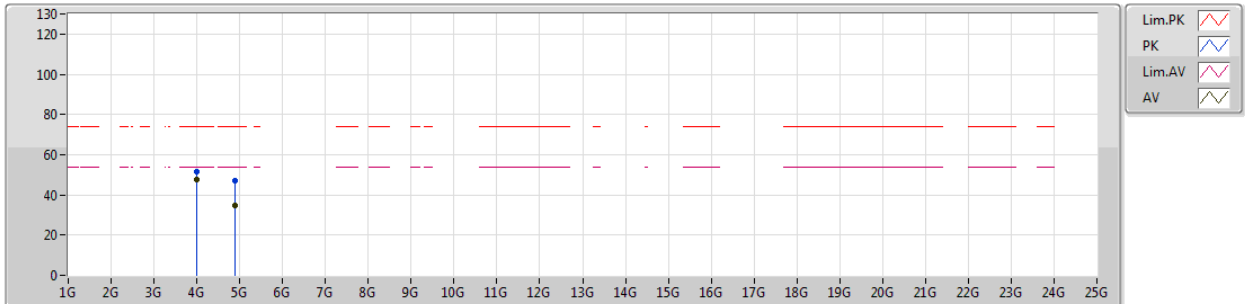
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	4.00011G	53.56	74.00	-20.44	2.34	3	Vertical	111	1.50	-						
AV	4.00002G	50.29	54.00	-3.71	2.34	3	Vertical	111	1.50	-						
PK	4.87913G	45.75	74.00	-28.25	3.83	3	Vertical	278	1.39	-						
AV	4.88028G	32.80	54.00	-21.20	3.84	3	Vertical	278	1.39	-						

BT-LE(125Kbps)

2440MHz_TX

03/05/2019



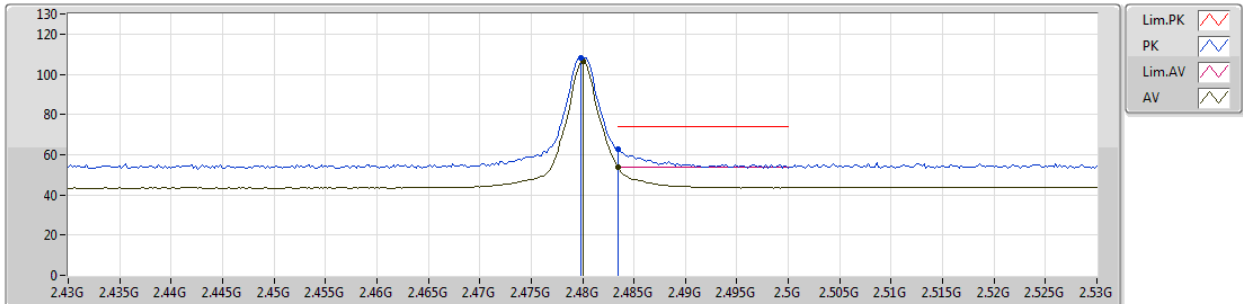
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
PK	4.00002G	51.37	74.00	-22.63	2.34	3	Horizontal	172	1.46	-								
AV	4.00002G	47.40	54.00	-6.60	2.34	3	Horizontal	172	1.46	-								
PK	4.87947G	46.79	74.00	-27.21	3.84	3	Horizontal	297	2.96	-								
AV	4.87963G	34.73	54.00	-19.27	3.84	3	Horizontal	297	2.96	-								

BT-LE(125Kbps)

2480MHz_TX

03/05/2019



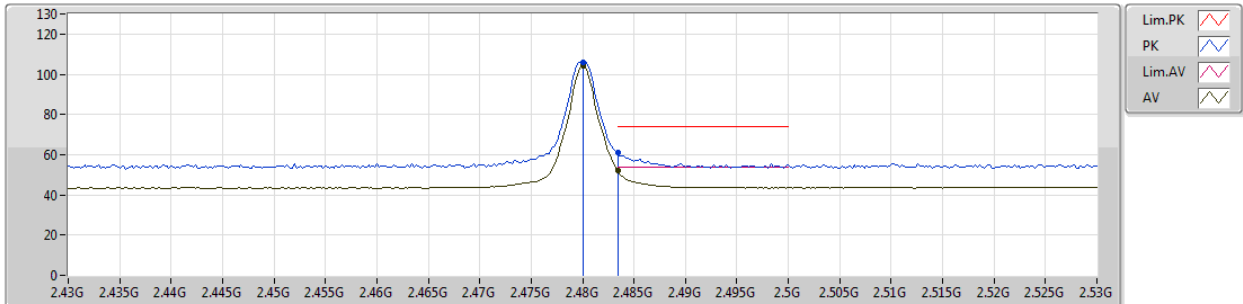
EUT_Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
PK	2.4798G	108.24	Inf	-Inf	30.96	3	Vertical	113	2.14	-								
AV	2.48G	106.56	Inf	-Inf	30.96	3	Vertical	113	2.14	-								
PK	2.4835G	62.88	74.00	-11.12	30.96	3	Vertical	113	2.14	-								
AV	2.4835G	53.86	54.00	-0.14	30.96	3	Vertical	113	2.14	-								

BT-LE(125Kbps)

2480MHz_TX

03/05/2019



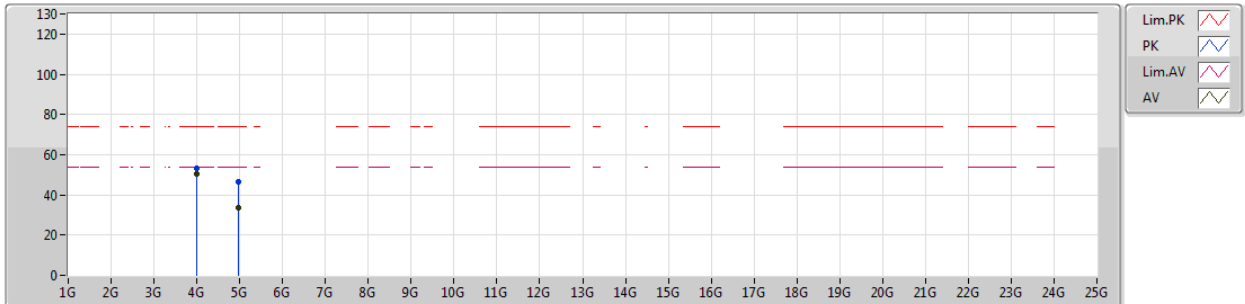
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.48G	106.03	Inf	-Inf	30.96	3	Horizontal	295	1.49	-
AV	2.48G	104.30	Inf	-Inf	30.96	3	Horizontal	295	1.49	-
PK	2.4835G	61.21	74.00	-12.79	30.96	3	Horizontal	295	1.49	-
AV	2.4835G	51.93	54.00	-2.07	30.96	3	Horizontal	295	1.49	-

BT-LE(125Kbps)

2480MHz_TX

03/05/2019



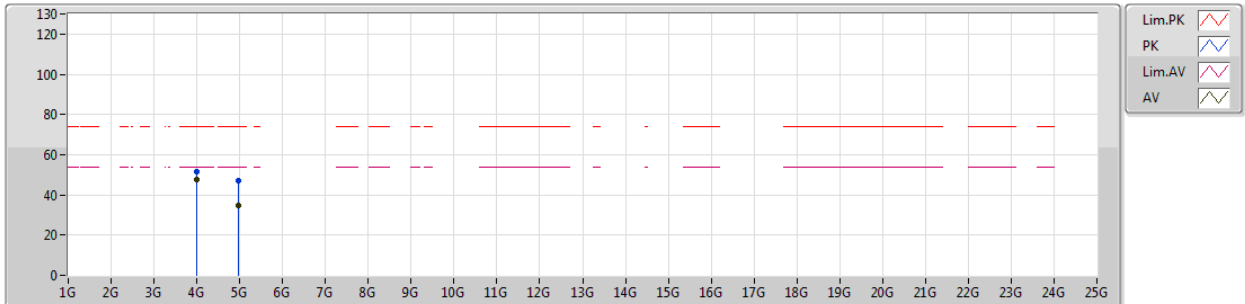
EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4G	53.17	74.00	-20.83	2.34	3	Vertical	111	1.51	-
AV	4G	50.39	54.00	-3.61	2.34	3	Vertical	111	1.51	-
PK	4.96059G	46.68	74.00	-27.32	4.20	3	Vertical	293	1.60	-
AV	4.9595G	33.81	54.00	-20.19	4.20	3	Vertical	293	1.60	-

BT-LE(125Kbps)

2480MHz_TX

03/05/2019



EUT Y_1TX
Setting 20dBm
01-C-5
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.00004G	51.57	74.00	-22.43	2.34	3	Horizontal	172	1.46	-
AV	4G	47.51	54.00	-6.49	2.34	3	Horizontal	172	1.46	-
PK	4.95972G	46.84	74.00	-27.16	4.20	3	Horizontal	295	2.99	-
AV	4.96027G	34.50	54.00	-19.50	4.20	3	Horizontal	295	2.99	-