FCC Test Report

FCC ID	:	**UDX-60099010**
Equipment	:	**Wi-Fi 6 Access Point**
Brand Name	:	**CISCO**
Model Name	:	**MR36-HW**
Applicant	:	**Cisco Systems** **170 West Tasman Drive, San Jose, CA 95134 USA**
Manufacturer	:	**Cisco Systems** **170 West Tasman Drive, San Jose, CA 95134 USA**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Jun. 20, 2019, and testing was started from Jun. 20, 2019 and completed on Jul. 31, 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: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

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History of this test report

Report No.	Version	Description	Issued Date
FR962029-06AL	01	Initial issue of report	Oct. 17, 2019

Summary of Test Result

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

Note : From Sporton Project No.:FR962029AL.

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:
None

Reviewed by: Jackson Tsai

Report Producer: Jenny Yang

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	BT-LE(1Mbps)	1.0	1TX
2.4-2.4835GHz	BT-LE(2Mbps)	2.0	1TX
2.4-2.4835GHz	BT-LE(0.125Mbps)	2.0	1TX
2.4-2.4835GHz	BT-LE(0.5Mbps)	2.0	1TX

Note:
- Bluetooth LE uses a GFSK (0.125 Mbps/0.5Mbps/1Mbps/2Mbps) modulation for DSSS.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	-	-	PIFA	I-PEX
2	-	-	PIFA	I-PEX
3	-	-	PIFA	I-PEX
4	-	-	PIFA	I-PEX
5	-	-	PIFA	I-PEX
6	-	-	PIFA	I-PEX

Ant.	Port	Gain (dBi)										
		Radio 1					Radio 2					Radio 3
		2.4G	5G				2.4G	5G				BT
			B1	B2	B3	B4		B1	B2	B3	B4	
1	1	4.22	-	-	-	-	-	-	-	-	-	-
2	2	4.68	-	-	-	-	-	-	-	-	-	-
3	3	-	4.67	4.67	5.29	4.77	-	-	-	-	-	-
4	4	-	4.91	4.91	4.98	4.9	-	-	-	-	-	-
5	5	-	-	-	-	-	3.02	3.06	3.06	2.57	2.38	-
6	6	-	-	-	-	-	-	-	-	-	-	2.91

Note 1: The EUT has six antennas.

For 2.4GHz function:

For IEEE 802.11 b/g/n/ac/ax mode (2TX/2RX) (Radio 1)

Support diversity function and pre-tested on each single chain, Ant. 1 (port 1) and Ant. 2(port 2) can be used as transmitting/receiving antenna.

For IEEE 802.11 b/g/n/ac mode (1TX/1RX) (Radio 2)

Ant. 5 (port 5) can be used as transmitting/receiving antenna.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax mode (1TX/1RX) (Radio 1)

Support diversity function and pre-tested on each single chain, Ant. 3 (port 3) and Ant. 4(port 4) can be used as transmitting/receiving antenna.

For IEEE 802.11 a/n/ac mode (1TX/1RX) (Radio 2)

Ant. 5 (port 5) can be used as transmitting/receiving antenna.

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX) (Radio 3)

Ant. 6 (port 6) can be used as transmitting/receiving antenna.

1.1.3 EUT Information

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

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
BT-LE(0.125Mbps)	0.978	0.1	17.066m	100
BT-LE(0.5Mbps)	0.913	0.4	4.566m	300
BT-LE(1Mbps)	0.859	0.66	2.147m	1k
BT-LE(2Mbps)	0.581	2.36	1.091m	1k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

1.1.5 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR962029AL

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
Update Model Name: MR36-HW	N/A

1.2 Testing Applied Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- KDB 558074 D01 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
Test site Designation No. TW1190 with FCC.			
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)	
		TEL : 886-3-656-9065	FAX : 886-3-656-9085
Test site Designation No. TW0006 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO01-HY	Justin	23.5~24.4°C / 58.3~67.3 %	24/Jun/2019~ 13/Jul/2019
RF Conducted	TH06-HY	Dexter	24.3~25.7°C / 54~58%	25/Jun/2019~ 31/Jul/2019
Radiated	03CH09-HY	Lego	23.5~26.9°C / 45~58%	20/Jun/2019~ 28/Jun/2019

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.54 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	1.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 °C	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

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

2.2 Test Channel Mode

Test Software	DoS

Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	100
2440MHz	100
2480MHz	100
BT-LE(2Mbps)	-
2402MHz	100
2440MHz	100
2480MHz	100
BT-LE(0.125Mbps)	-
2402MHz	100
2440MHz	100
2480MHz	100
BT-LE(0.5Mbps)	-
2402MHz	100
2440MHz	100
2480MHz	100

2.3 The Worst Case Measurement Configuration

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

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	Adapter mode		
2	PoE mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT			V

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	WLAN 2.4G (Radio1) + 5G (Radio1) + BT (Radio3) + WLAN 2.4G (Radio2)
2	WLAN 2.4G (Radio1) + 5G (Radio1) + BT (Radio3) + WLAN 5G (Radio2)
Refer to Sporton Test Report No.: FA962029 for Co-location RF Exposure Evaluation.	

2.4 Support Equipment

Support Equipment – AC Conduction				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	AC adapter	Cisco	MA-PWR-30W-US	-
2	PoE	CISCO	MA-INJ-4	-
3	Notebook (remote)	DELL	E5530	DoC
4	Client AP (remote)	CISCO	AXL	DoC

Note: Support equipment No.1 & 2 & 4 was provided by customer.

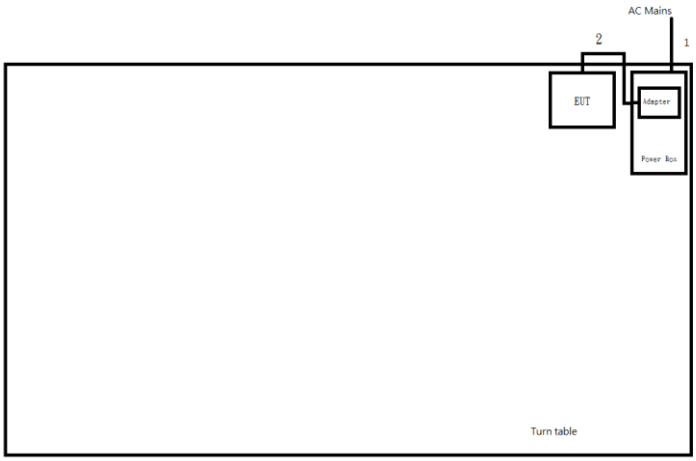
Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC
3	AC Power Source	GW	APS-9102	-

Support Equipment – Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	AC adapter	CISCO	MA-PWR-30W-US	-
2	PoE	CISCO	MA-INJ-4	-
3	Notebook (remote)	DELL	E5530	DoC
4	Client AP (remote)	CISCO	AXL	DoC

Note: Support equipment No.1 & 2 & 4 was provided by customer.

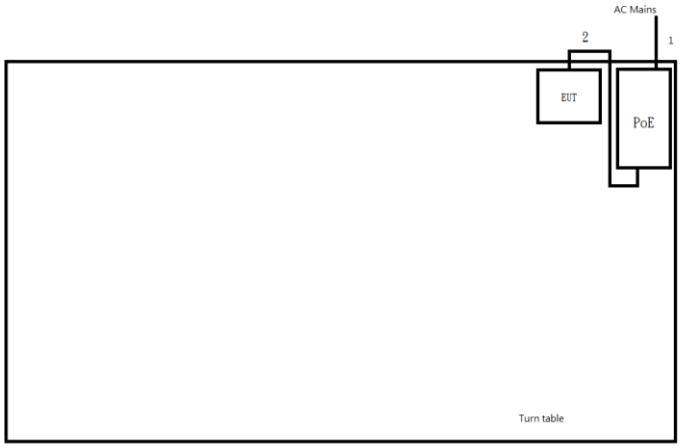
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test - Adapter mode



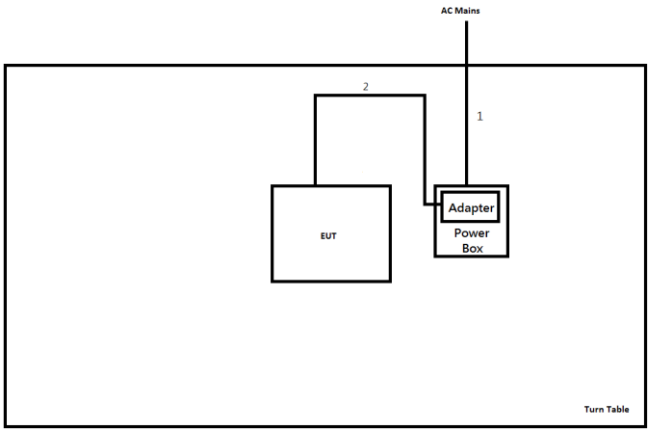
Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.5	-
2	DC Power line	No	1.5	-

Test Setup Diagram – AC Line Conducted Emission Test - PoE mode



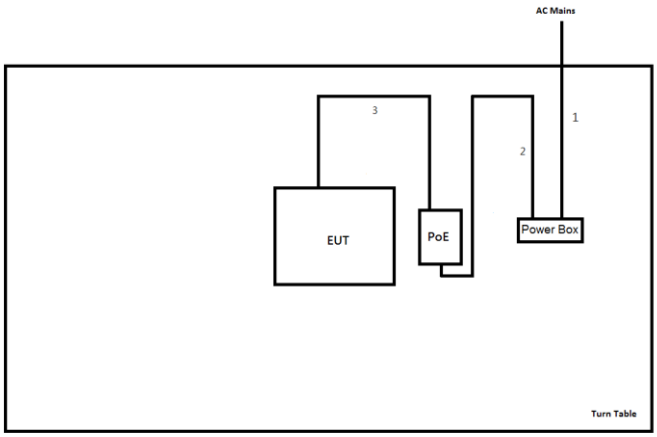
Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.5	-
2	Lan cable	No	1.5	-

Test Setup Diagram - Radiated Test - Adapter mode



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.8	-
2	DC Power line	No	1.5	-

Test Setup Diagram - Radiated Test – PoE mode



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.5	-
2	AC Power line	No	1.5	-
3	LAN cable	No	2.0	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

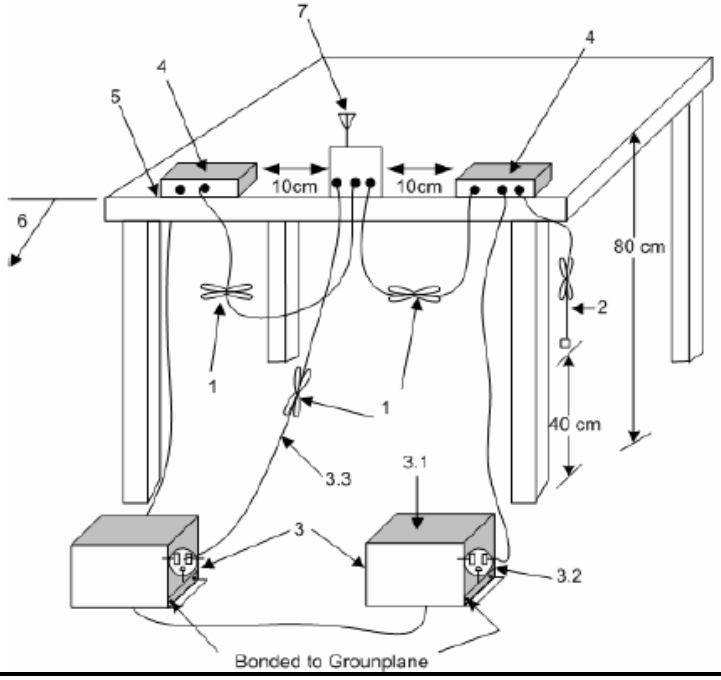
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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 ≥ 500 kHz.

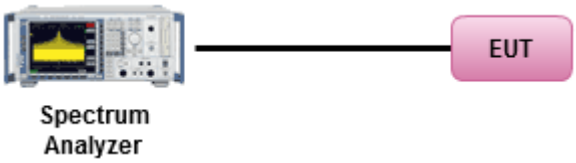
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
	☒ Refer as KDB 558074, clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
	☐ Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
	☐ Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
▪ Maximum Peak Conducted Output Power	
	☐ Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
	☐ Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
	☐ Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
▪ Maximum Average Conducted Output Power	
	☐ Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
	☒ Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

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

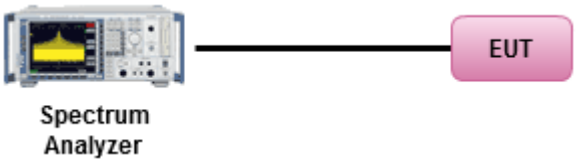
3.4.2 Measuring Instruments

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 KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Method PKPSD.	
▪ For conducted measurement.		
	▪ If The EUT supports multiple transmit chains using options given below:	
		▪ Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.

3.4.4 Test Setup

Power Spectral Density


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

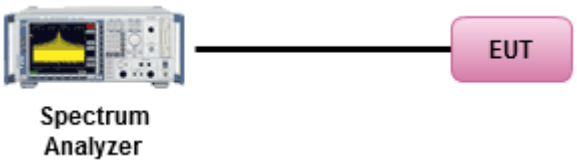
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
▪ Refer as KDB 558074, clause 8.5 (11.11 of ANSI C63.10) for non-restricted frequency bands.

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


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 below30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB / decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

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

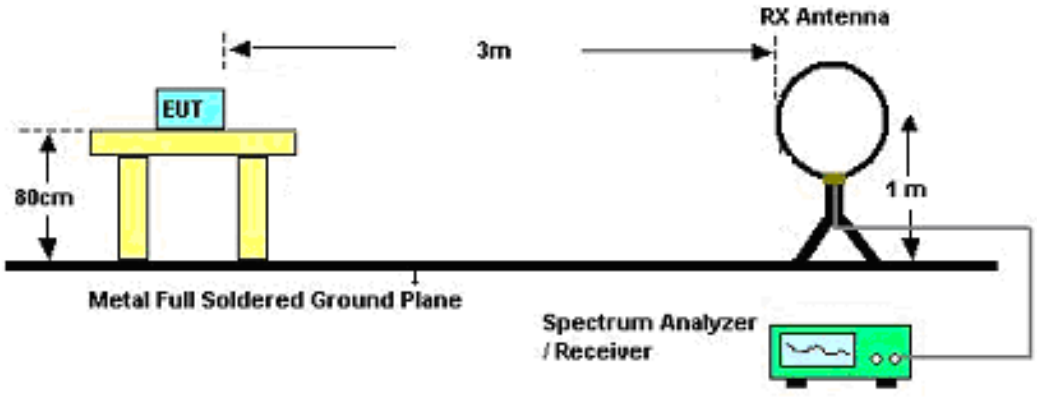
3.6.2 Measuring Instruments

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

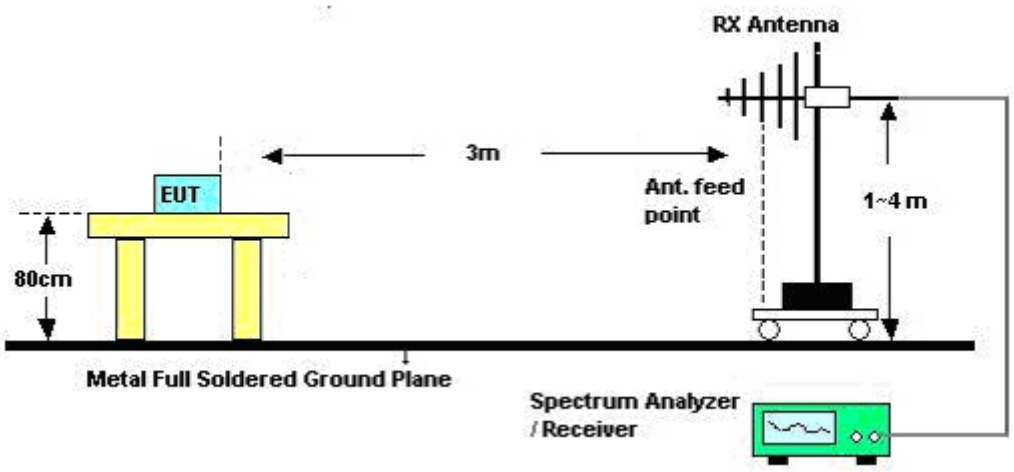
3.6.3 Test Procedures

Test Method	
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
▪ For the transmitter unwanted emissions shall be measured using following options below:	
	▪ Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
▪ For the transmitter band-edge emissions shall be measured using following options below:	
	▪ Refer as KDB 558074 clause 8.7.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	▪ Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	▪ Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
▪ Use the following spectrum analyzer settings:	
	▪ Set RBW=100 kHz for f < 1 GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	▪ Set RBW = 1 MHz, VBW= 3MHz for f ≥ 1 GHz for peak measurement. For average measurement, refer as 1.1.4.

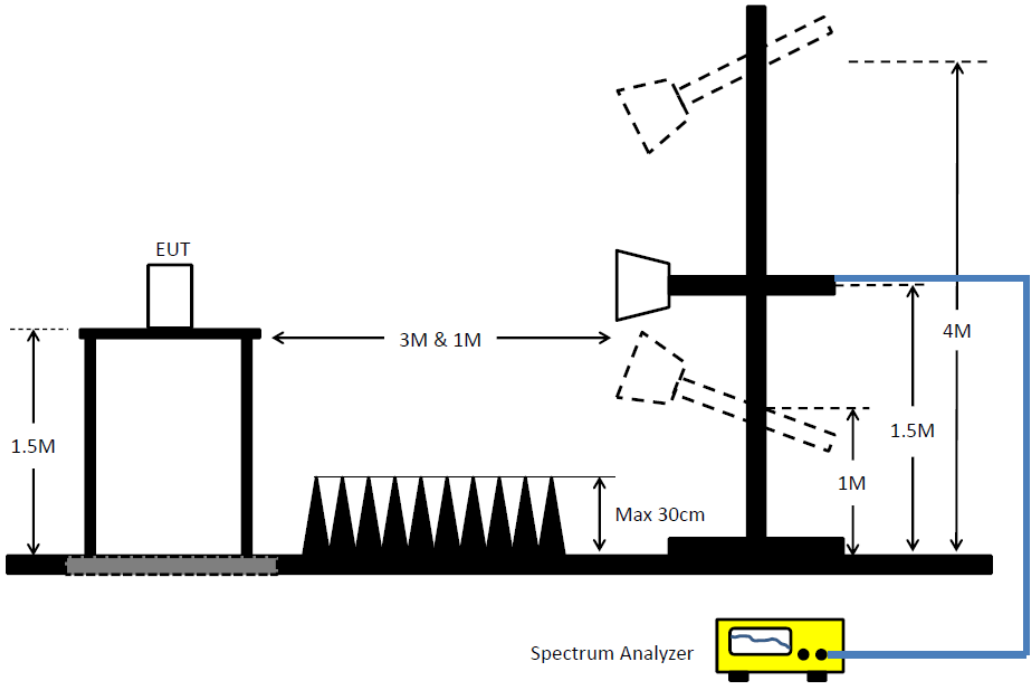
3.6.4 Test Setup

Emissions in Restricted Frequency Bands
9kHz ~30MHz


30MHz~1GHz



Above 1GHz



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

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

3.6.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2019	08/Apr/2020
LISN	R&S	ENV 216	101274	9kHz ~ 30MHz	03/Jun/2019	02/Jun/2020
RF Cable-CON	MTJ	RG142	CB001-CO	9kHz ~ 30MHz	17/Sep/2018	16/Sep/2019
AC POWER	APC	AFC-11003G	F308010045	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561F	9495	9kHz ~ 30MHz	11/Oct/2018	10/Oct/2019

NCR : Non-Calibration Require

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz	22/Apr/2019	21/Apr/2020
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	13/Jun/2019	12/Jun/2020
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	22/Apr/2019	21/Apr/2020
Microwave Preamplifier with 10 dB Pad	EMC	EMC051845 & WK0602-10	980240 & 01	1GHz ~ 18GHz	11/Jan/2019	10/Jan/2020
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2019	08/Apr/2020
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	31/Jul/2018	30/Jul/2019
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D & MTJ6102-05	35418 / 3	30MHz~1GHz	02/Oct/2018	03/Oct/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	22/May/2019	21/May/2020
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170221	18GHz~40GHz	22/Mar/2019	21/Mar/2020
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019
LF-CABLE-2019 0218	Jye Bao	RG142	CB028	9kHz ~ 1GHz	18/Feb/2019	17/Feb/2020
RF Cable-high	HUBER+ SUHNER	SUCOFLEX104	SN 556626/4 + 556627	1GHz ~ 40GHz	13/Mar/2019	12/Mar/2020

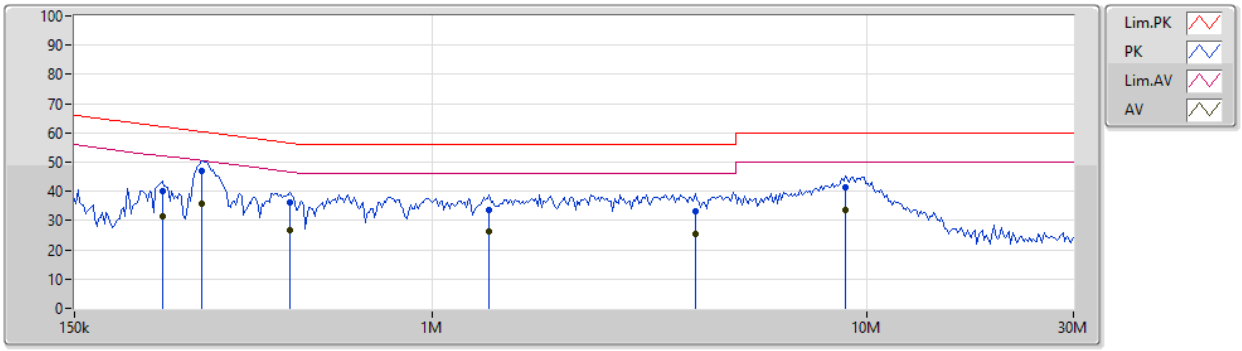
Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	13/Mar/2019	12/Mar/2020
Power Sensor	Anritsu	MA2411B	1339407	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Power Meter	Anritsu	ML2495A	1517010	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	30MHz ~18G	10/Jan/2019	09/Jan/2020
Cable 0.2m	HUBER	MY10711/4	RF Cable - 02	30MHz ~18G	10/Jan/2019	09/Jan/2020
Cable 0.5m	HUBER	MY39470/4	RF Cable - 29	30MHz ~18G	10/Jan/2019	09/Jan/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Adapter mode		

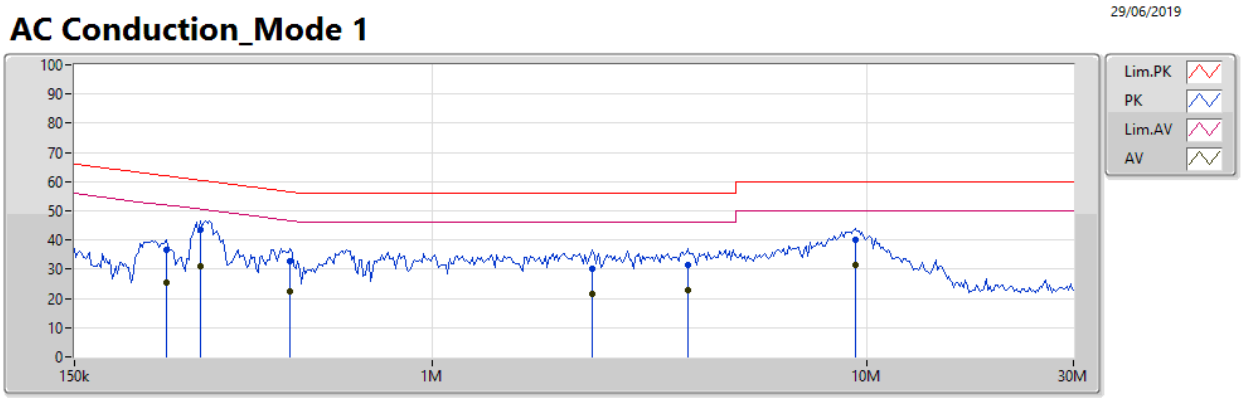
29/06/2019

AC Conduction_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	239.44k	40.24	62.12	-21.88	19.51	Neutral	-	20.73	9.64	0.01	9.86
AV	239.44k	31.55	52.12	-20.57	19.51	Neutral	-	12.04	9.64	0.01	9.86
QP	295.083k	47.17	60.38	-13.21	19.51	Neutral	"Worst"	27.66	9.64	0.01	9.86
AV	295.083k	35.85	50.38	-14.53	19.51	Neutral	-	16.34	9.64	0.01	9.86
QP	471.031k	36.03	56.50	-20.47	19.51	Neutral	-	16.52	9.64	0.01	9.86
AV	471.031k	26.63	46.50	-19.87	19.51	Neutral	-	7.12	9.64	0.01	9.86
QP	1.352M	33.74	56.00	-22.26	19.53	Neutral	-	14.21	9.64	0.03	9.86
AV	1.352M	26.41	46.00	-19.59	19.53	Neutral	-	6.88	9.64	0.03	9.86
QP	4.041M	33.08	56.00	-22.92	19.59	Neutral	-	13.49	9.66	0.05	9.88
AV	4.041M	25.59	46.00	-20.41	19.59	Neutral	-	6.00	9.66	0.05	9.88
QP	8.957M	41.23	60.00	-18.77	19.67	Neutral	-	21.56	9.70	0.07	9.90
AV	8.957M	33.61	50.00	-16.39	19.67	Neutral	-	13.94	9.70	0.07	9.90

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	Adapter mode		



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	244.252k	36.85	61.95	-25.10	19.48	Line	-	17.37	9.61	0.01	9.86
AV	244.252k	25.38	51.95	-26.57	19.48	Line	-	5.90	9.61	0.01	9.86
QP	292.162k	43.56	60.46	-16.90	19.48	Line	"Worst"	24.08	9.61	0.01	9.86
AV	292.162k	30.83	50.46	-19.63	19.48	Line	-	11.35	9.61	0.01	9.86
QP	471.031k	32.77	56.50	-23.73	19.48	Line	-	13.29	9.61	0.01	9.86
AV	471.031k	22.38	46.50	-24.12	19.48	Line	-	2.90	9.61	0.01	9.86
QP	2.338M	30.13	56.00	-25.87	19.53	Line	-	10.60	9.62	0.04	9.87
AV	2.338M	21.48	46.00	-24.52	19.53	Line	-	1.95	9.62	0.04	9.87
QP	3.883M	31.39	56.00	-24.61	19.56	Line	-	11.83	9.63	0.05	9.88
AV	3.883M	22.70	46.00	-23.30	19.56	Line	-	3.14	9.63	0.05	9.88
QP	9.414M	39.92	60.00	-20.08	19.63	Line	-	20.29	9.66	0.07	9.90
AV	9.414M	31.52	50.00	-18.48	19.63	Line	-	11.89	9.66	0.07	9.90

AC Power-line Conducted Emissions Result			
Operating Mode	2	**Power Phase**	Neutral
Operating Function	PoE mode		

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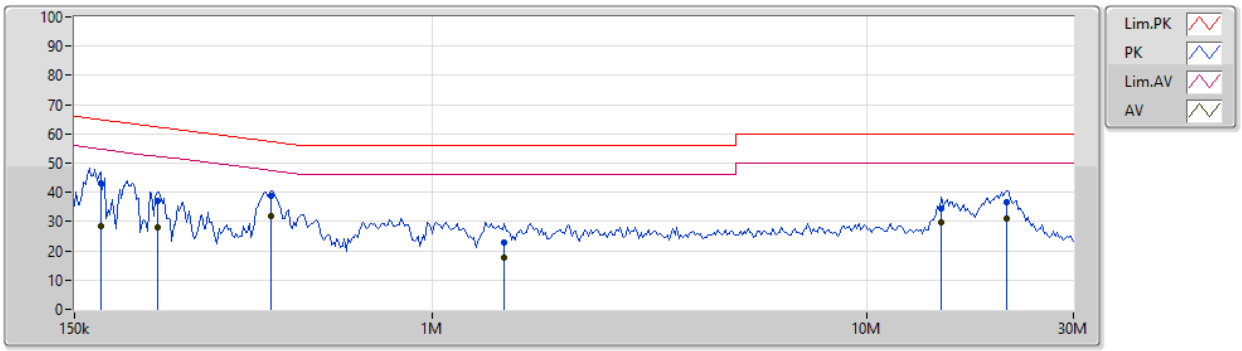
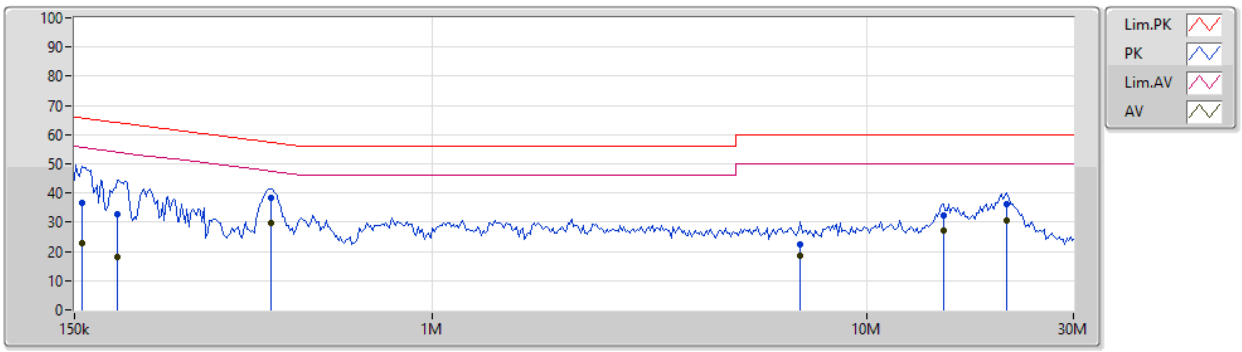


Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	172.421k	43.00	64.83	-21.83	19.52	Neutral	-	23.48	9.65	0.01	9.86
AV	172.421k	28.40	54.83	-26.43	19.52	Neutral	-	8.88	9.65	0.01	9.86
QP	232.398k	37.04	62.37	-25.33	19.51	Neutral	-	17.53	9.64	0.01	9.86
AV	232.398k	27.98	52.37	-24.39	19.51	Neutral	-	8.47	9.64	0.01	9.86
QP	426.418k	38.88	57.32	-18.44	19.51	Neutral	-	19.37	9.64	0.01	9.86
AV	426.418k	31.99	47.32	-15.33	19.51	Neutral	"Worst"	12.48	9.64	0.01	9.86
QP	1.464M	22.83	56.00	-33.17	19.55	Neutral	-	3.28	9.65	0.03	9.87
AV	1.464M	17.47	46.00	-28.53	19.55	Neutral	-	-2.08	9.65	0.03	9.87
QP	14.879M	34.33	60.00	-25.67	19.74	Neutral	-	14.59	9.71	0.09	9.94
AV	14.879M	29.60	50.00	-20.40	19.74	Neutral	-	9.86	9.71	0.09	9.94
QP	21.077M	36.76	60.00	-23.24	19.78	Neutral	-	16.98	9.71	0.11	9.96
AV	21.077M	31.13	50.00	-18.87	19.78	Neutral	-	11.35	9.71	0.11	9.96

AC Power-line Conducted Emissions Result			
Operating Mode	2	**Power Phase**	Line
Operating Function	PoE mode		

29/06/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	156.091k	36.70	65.67	-28.97	19.48	Line	-	17.22	9.61	0.01	9.86
AV	156.091k	22.97	55.67	-32.70	19.48	Line	-	3.49	9.61	0.01	9.86
QP	188.574k	32.89	64.11	-31.22	19.48	Line	-	13.41	9.61	0.01	9.86
AV	188.574k	17.96	54.11	-36.15	19.48	Line	-	-1.52	9.61	0.01	9.86
QP	426.418k	38.38	57.32	-18.94	19.48	Line	-	18.90	9.61	0.01	9.86
AV	426.418k	29.72	47.32	-17.60	19.48	Line	"Worst"	10.24	9.61	0.01	9.86
QP	7.054M	22.33	60.00	-37.67	19.60	Line	-	2.73	9.65	0.06	9.89
AV	7.054M	18.64	50.00	-31.36	19.60	Line	-	-0.96	9.65	0.06	9.89
QP	15.028M	32.20	60.00	-27.80	19.67	Line	-	12.53	9.64	0.09	9.94
AV	15.028M	27.14	50.00	-22.86	19.67	Line	-	7.47	9.64	0.09	9.94
QP	21.077M	36.25	60.00	-23.75	19.69	Line	-	16.56	9.62	0.11	9.96
AV	21.077M	30.67	50.00	-19.33	19.69	Line	-	10.98	9.62	0.11	9.96

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)	656.25k	1.032M	1M03F1D	655k	1.032M
BT-LE(2Mbps)	1.145M	2.081M	2M08F1D	1.138M	2.079M
BT-LE(0.125Mbps)	617.5k	1.057M	1M06F1D	615k	1.052M
BT-LE(0.5Mbps)	657.5k	1.024M	1M02F1D	655k	1.022M

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

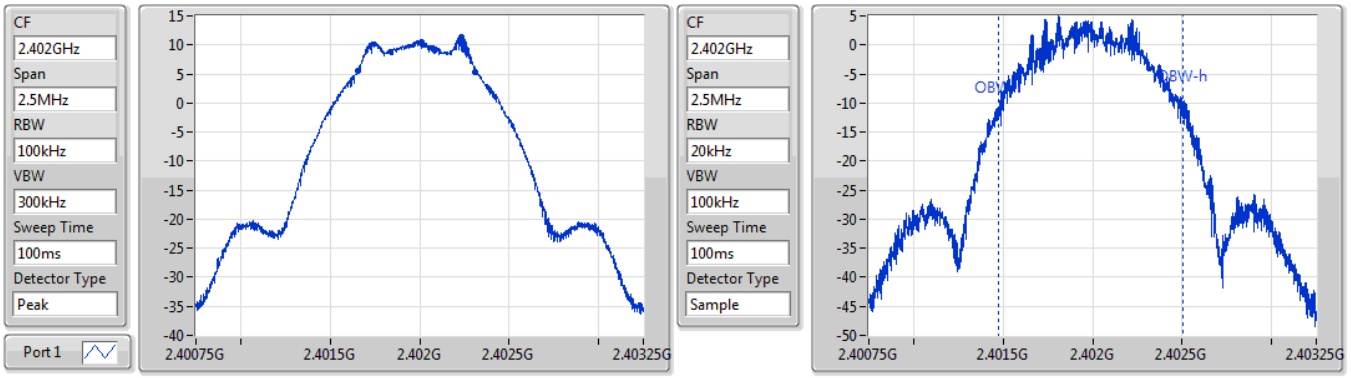
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	656.25k	1.032M
2440MHz	Pass	500k	656.25k	1.032M
2480MHz	Pass	500k	655k	1.032M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.145M	2.079M
2440MHz	Pass	500k	1.138M	2.081M
2480MHz	Pass	500k	1.14M	2.081M
BT-LE(0.125Mbps)	-	-	-	-
2402MHz	Pass	500k	617.5k	1.057M
2440MHz	Pass	500k	615k	1.052M
2480MHz	Pass	500k	615k	1.054M
BT-LE(0.5Mbps)	-	-	-	-
2402MHz	Pass	500k	655k	1.024M
2440MHz	Pass	500k	657.5k	1.024M
2480MHz	Pass	500k	655k	1.022M

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

BT-LE(1Mbps) **EBW**

2402MHz

28/06/2019

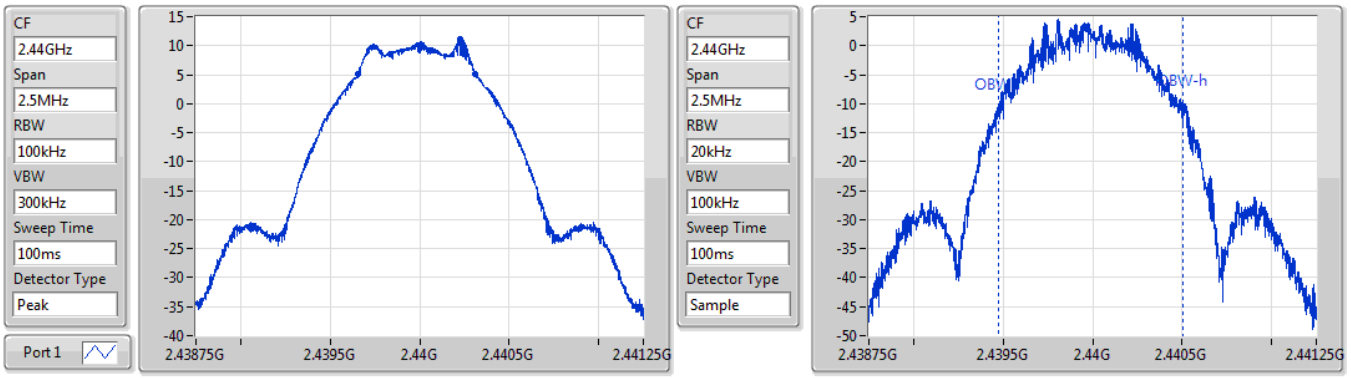


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
656.25k	2.401656G	2.402313G	1.032M	2.401474G	2.402506G	500k	1

BT-LE(1Mbps) **EBW**

2440MHz

28/06/2019

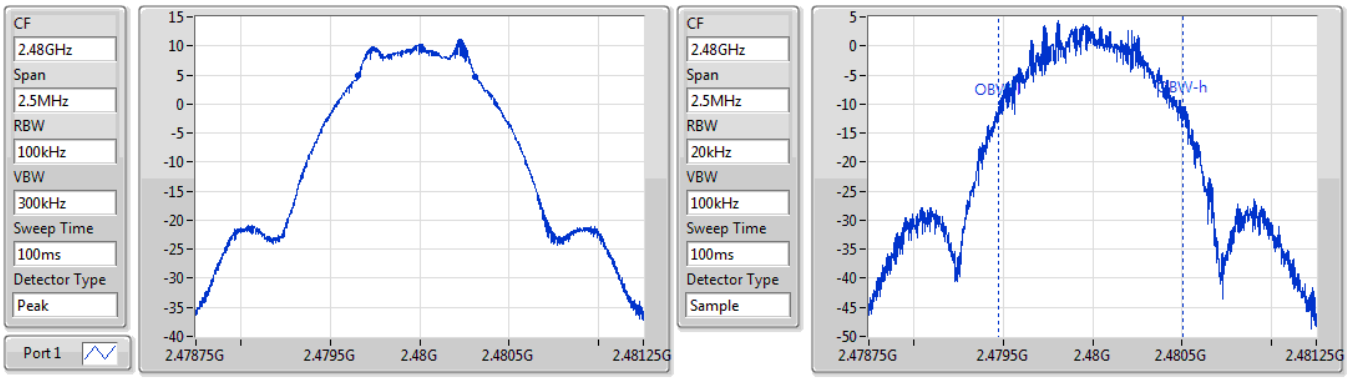


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
656.25k	2.439656G	2.440313G	1.032M	2.439474G	2.440506G	500k	1

BT-LE(1Mbps) EBW

2480MHz

28/06/2019

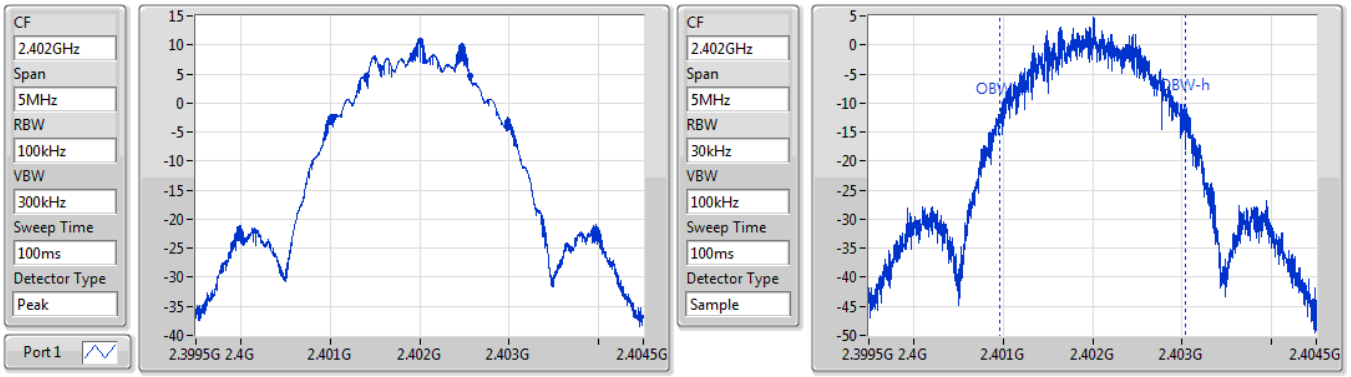


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
655k	2.479655G	2.48031G	1.032M	2.479473G	2.480505G	500k	1

BT-LE(2Mbps) EBW

2402MHz

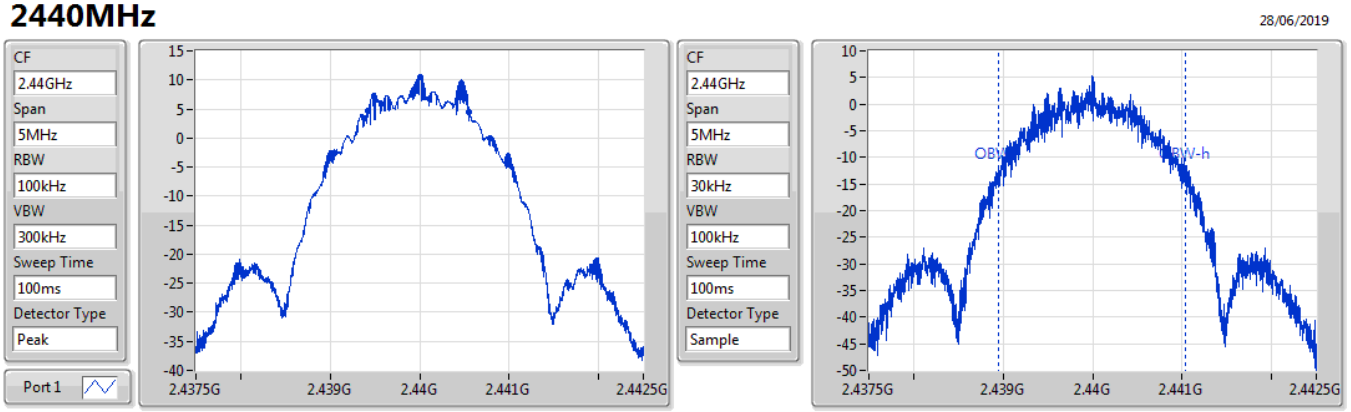
28/06/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.145M	2.401413G	2.402558G	2.079M	2.400958G	2.403037G	500k	1

BT-LE(2Mbps) EBW

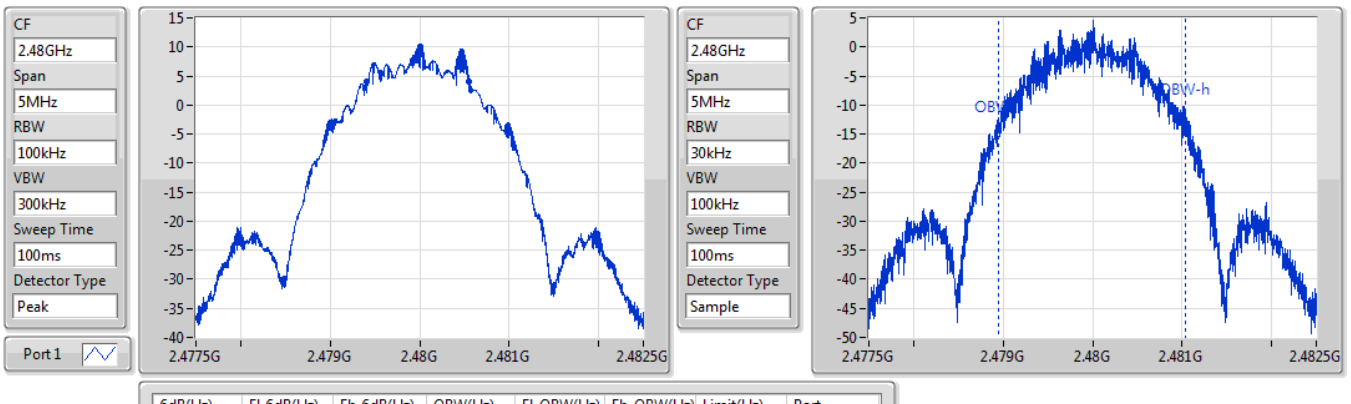
2440MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.138M	2.439418G	2.440555G	2.081M	2.438951G	2.441032G	500k	1

BT-LE(2Mbps) EBW

2480MHz

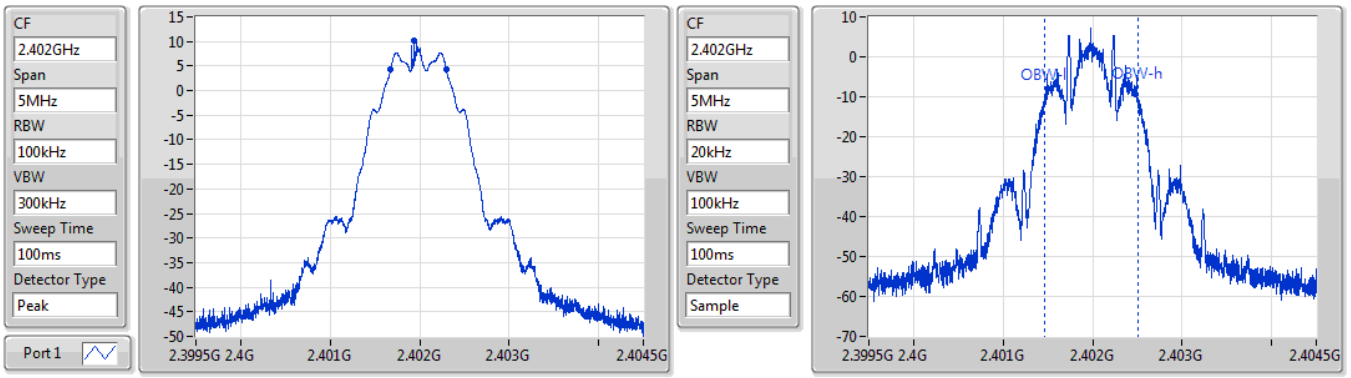


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.14M	2.479413G	2.480553G	2.081M	2.478953G	2.481034G	500k	1

BT-LE(0.125Mbps) EBW

2402MHz

28/06/2019

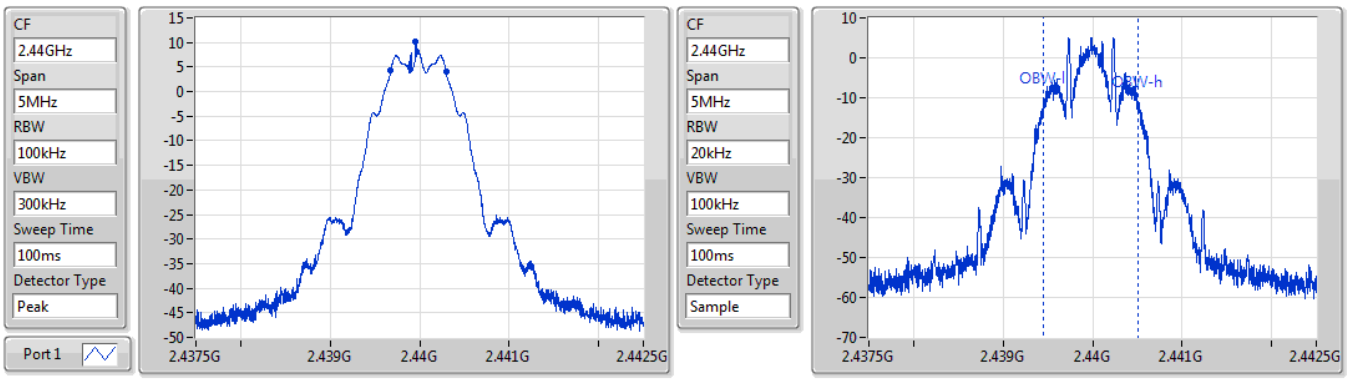


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
617.5k	2.401678G	2.402295G	1.057M	2.401458G	2.402515G	500k	1

BT-LE(0.125Mbps) EBW

2440MHz

28/06/2019

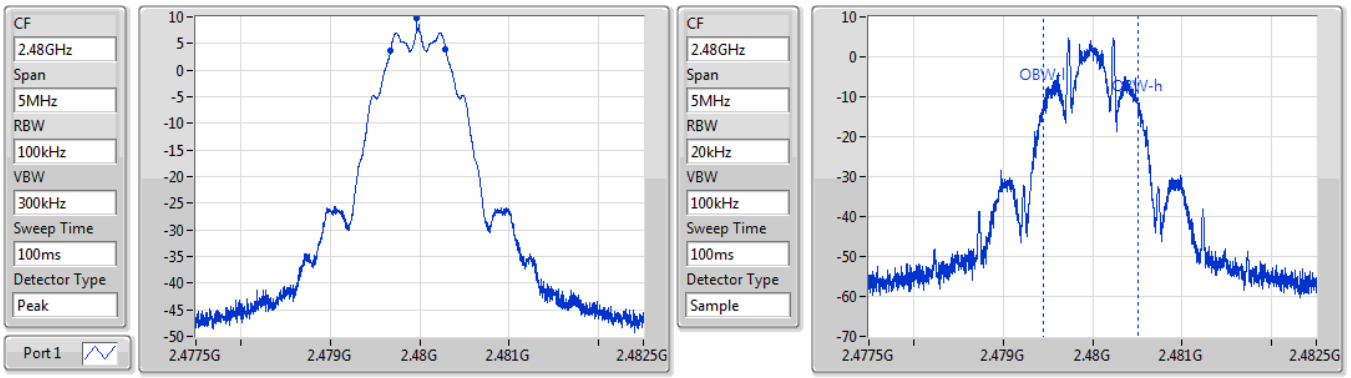


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
615k	2.439678G	2.440293G	1.052M	2.439455G	2.440507G	500k	1

BT-LE(0.125Mbps) EBW

2480MHz

28/06/2019

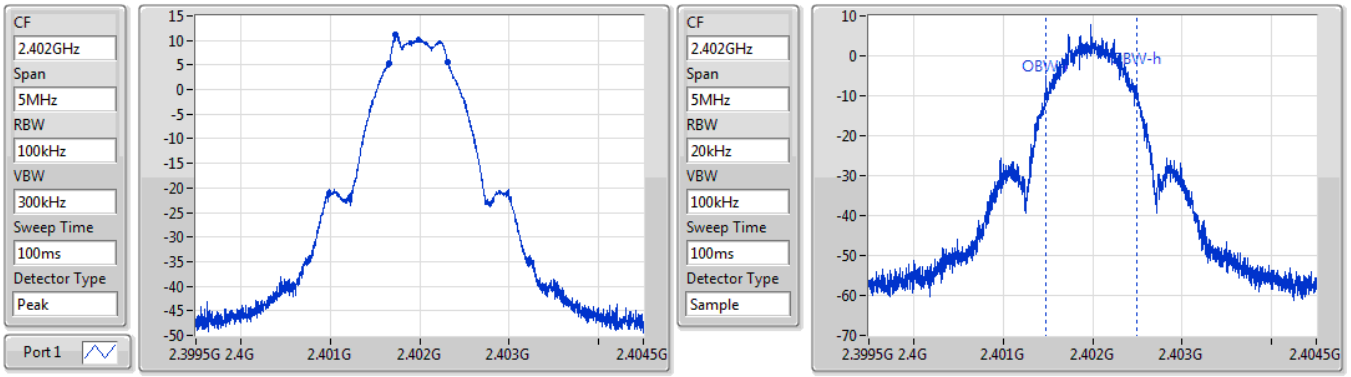


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
615k	2.479675G	2.48029G	1.054M	2.479455G	2.48051G	500k	1

BT-LE(0.5Mbps) EBW

2402MHz

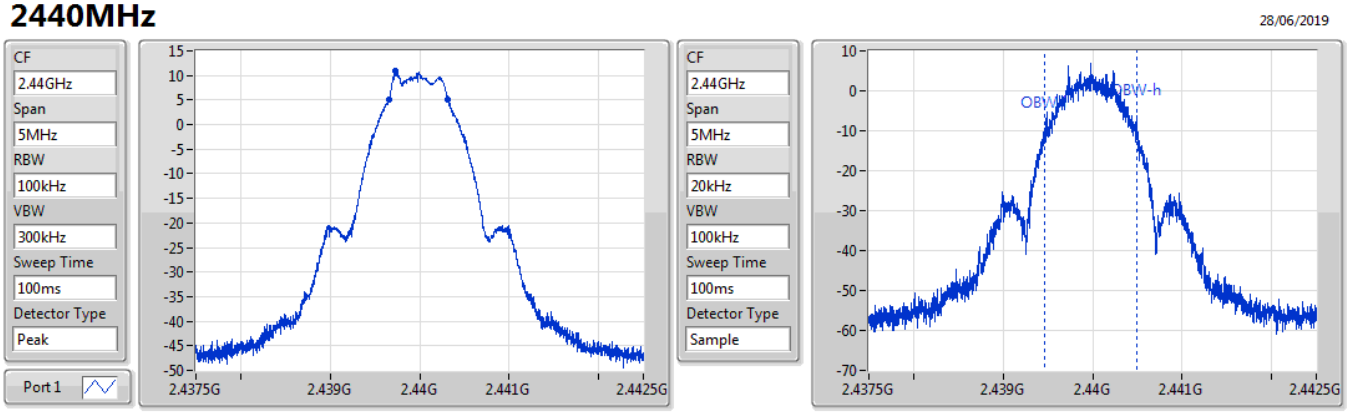
28/06/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
655k	2.401663G	2.402318G	1.024M	2.401473G	2.402497G	500k	1

BT-LE(0.5Mbps) EBW

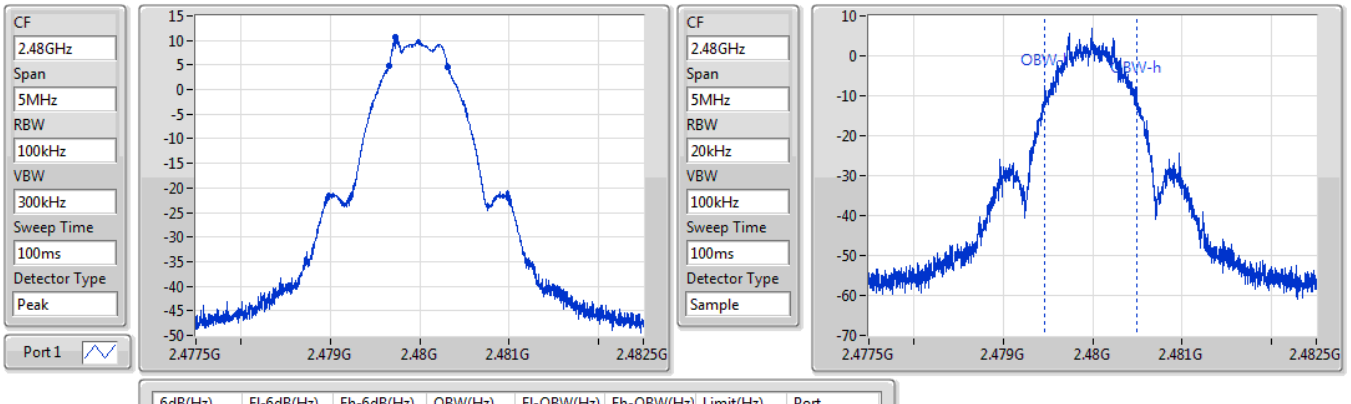
2440MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
657.5k	2.43966G	2.440318G	1.024M	2.43947G	2.440495G	500k	1

BT-LE(0.5Mbps) EBW

2480MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
655k	2.479663G	2.480318G	1.022M	2.47947G	2.480492G	500k	1

Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	11.45	0.01396
BT-LE(2Mbps)	11.46	0.01400
BT-LE(0.125Mbps)	11.49	0.01409
BT-LE(0.5Mbps)	11.48	0.01406

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	2.91	11.45	30.00
2440MHz	Pass	2.91	11.18	30.00
2480MHz	Pass	2.91	10.89	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	2.91	11.46	30.00
2440MHz	Pass	2.91	11.18	30.00
2480MHz	Pass	2.91	10.86	30.00
BT-LE(0.125Mbps)	-	-	-	-
2402MHz	Pass	2.91	11.49	30.00
2440MHz	Pass	2.91	11.22	30.00
2480MHz	Pass	2.91	10.93	30.00
BT-LE(0.5Mbps)	-	-	-	-
2402MHz	Pass	2.91	11.48	30.00
2440MHz	Pass	2.91	11.20	30.00
2480MHz	Pass	2.91	10.85	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-4.95
BT-LE(2Mbps)	-7.94
BT-LE(0.125Mbps)	5.34
BT-LE(0.5Mbps)	-1.51

RBW=3 kHz.

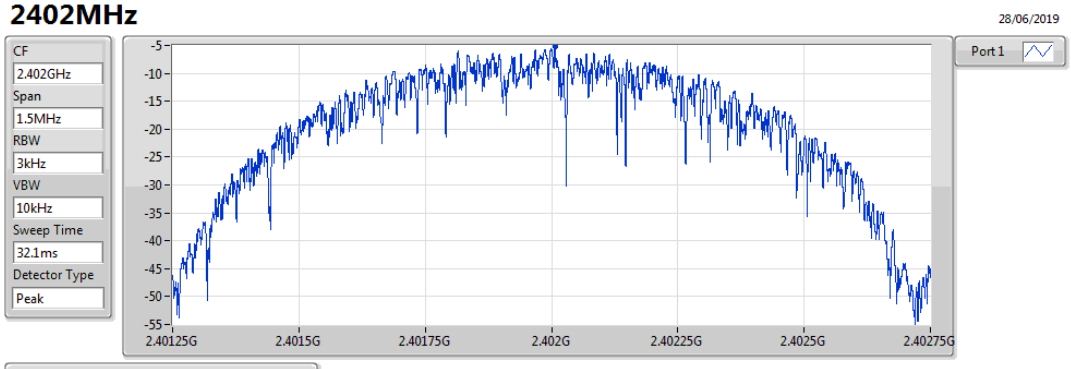
Result

Mode	Result	Gain (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	2.91	-5.28	8.00
2440MHz	Pass	2.91	-4.95	8.00
2480MHz	Pass	2.91	-6.29	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	2.91	-7.94	8.00
2440MHz	Pass	2.91	-8.12	8.00
2480MHz	Pass	2.91	-9.22	8.00
BT-LE(0.125Mbps)	-	-	-	-
2402MHz	Pass	2.91	5.34	8.00
2440MHz	Pass	2.91	5.03	8.00
2480MHz	Pass	2.91	4.66	8.00
BT-LE(0.5Mbps)	-	-	-	-
2402MHz	Pass	2.91	-2.80	8.00
2440MHz	Pass	2.91	-1.51	8.00
2480MHz	Pass	2.91	-3.27	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**

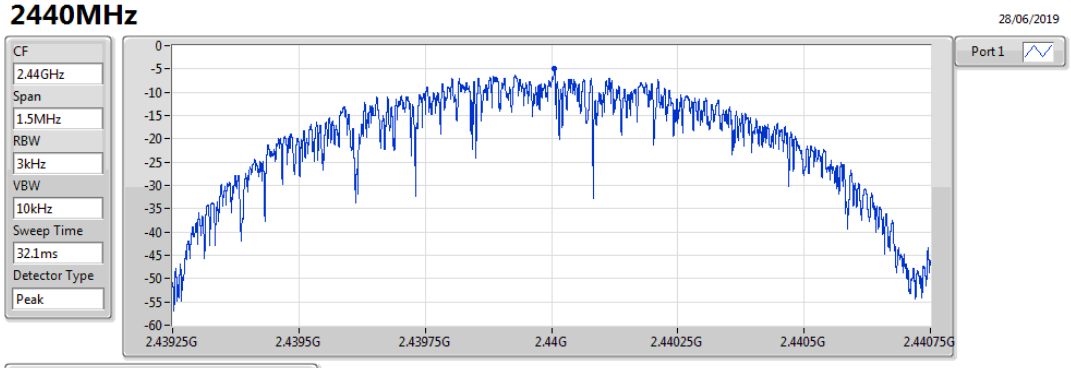
2402MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.28	-5.28	-5.28

BT-LE(1Mbps) **PSD**

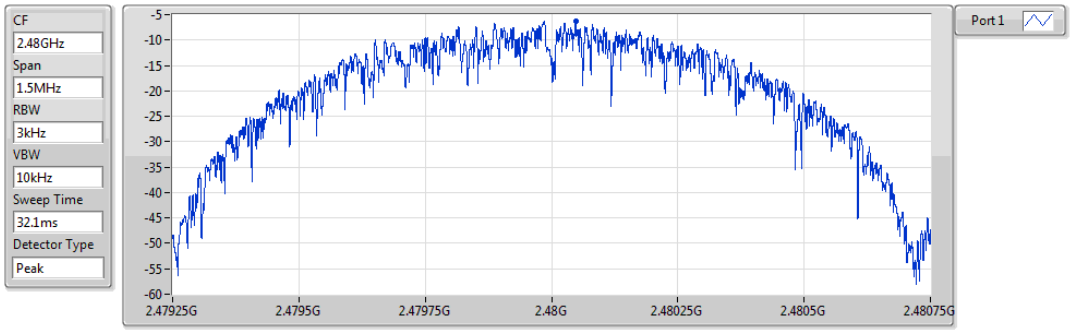
2440MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.95	-4.95	-4.95

BT-LE(1Mbps) **PSD**

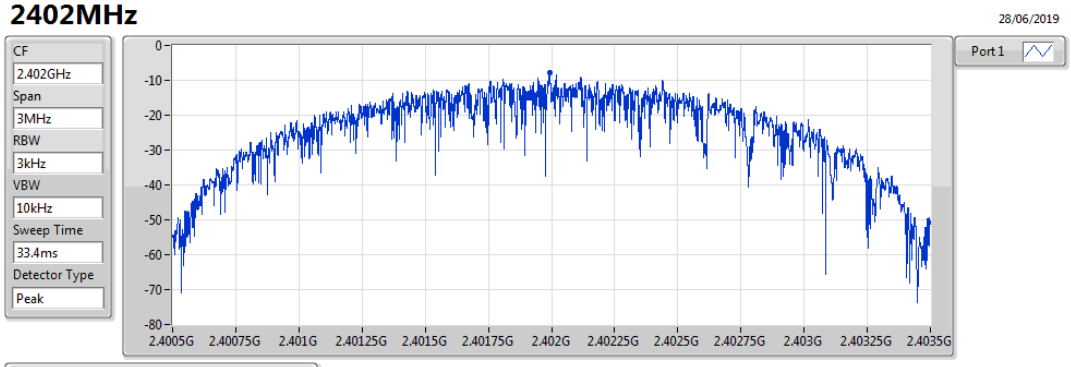
2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.29	-6.29	-6.29

BT-LE(2Mbps) **PSD**

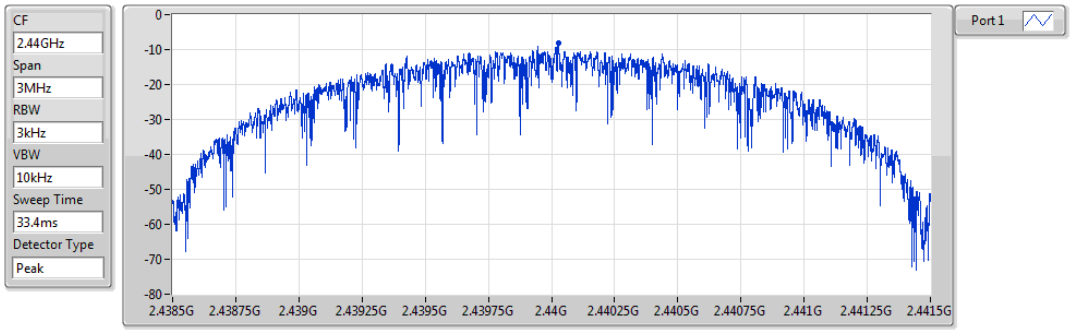
2402MHz



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

BT-LE(2Mbps) **PSD**

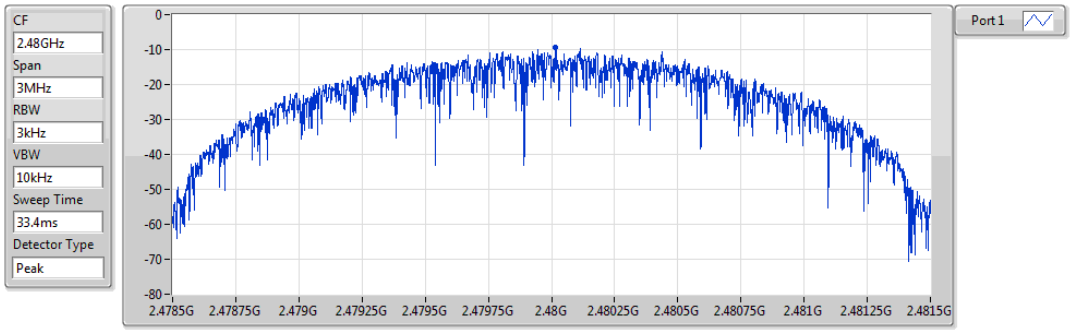
2440MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.12	-8.12	-8.12

BT-LE(2Mbps) **PSD**

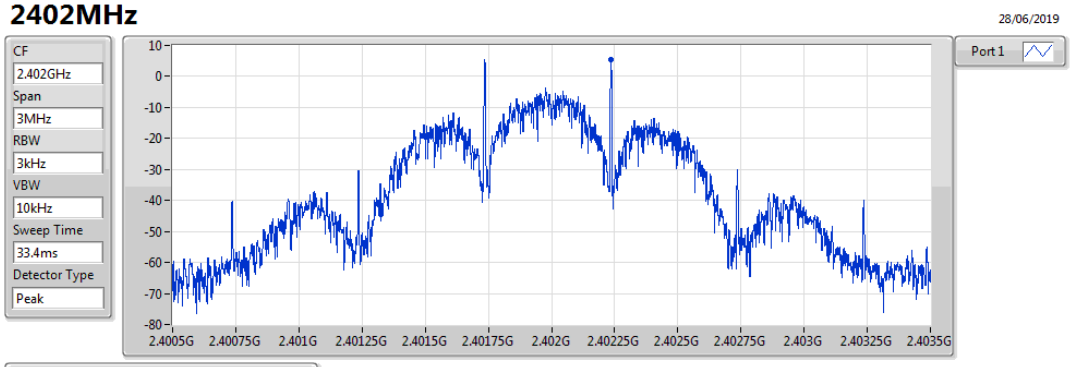
2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.22	-9.22	-9.22

BT-LE(0.125Mbps) **PSD**

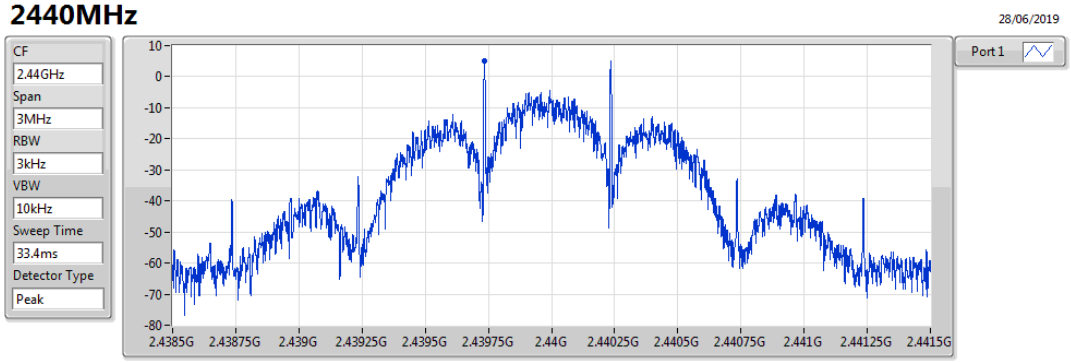
2402MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.34	5.34	5.34

BT-LE(0.125Mbps) **PSD**

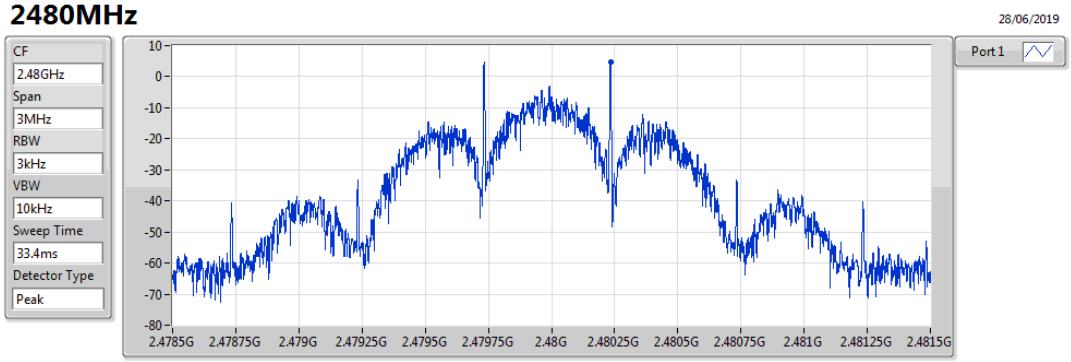
2440MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.03	5.03	5.03

BT-LE(0.125Mbps) **PSD**

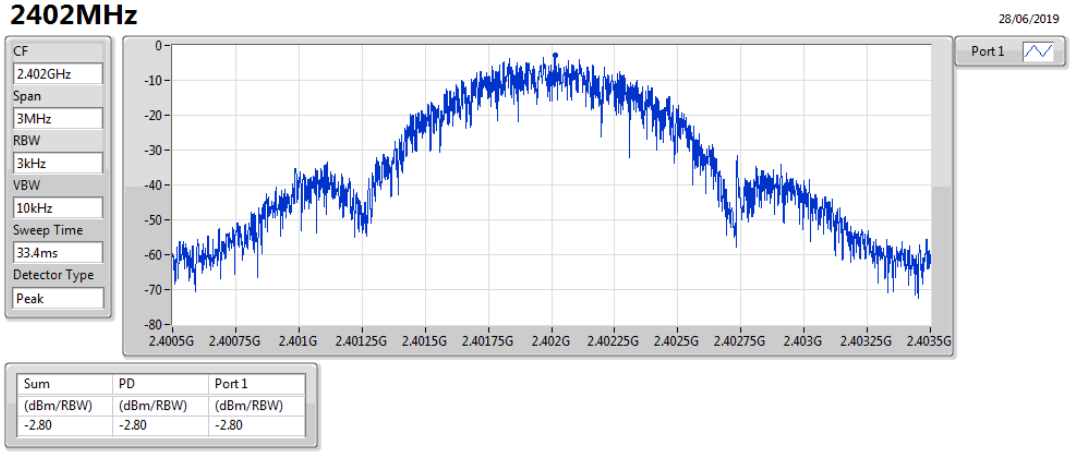
2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.66	4.66	4.66

BT-LE(0.5Mbps) **PSD**

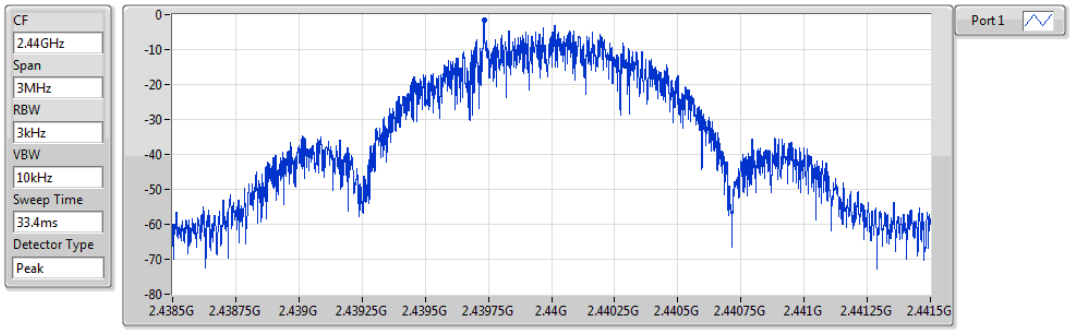
2402MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.80	-2.80	-2.80

BT-LE(0.5Mbps) **PSD**

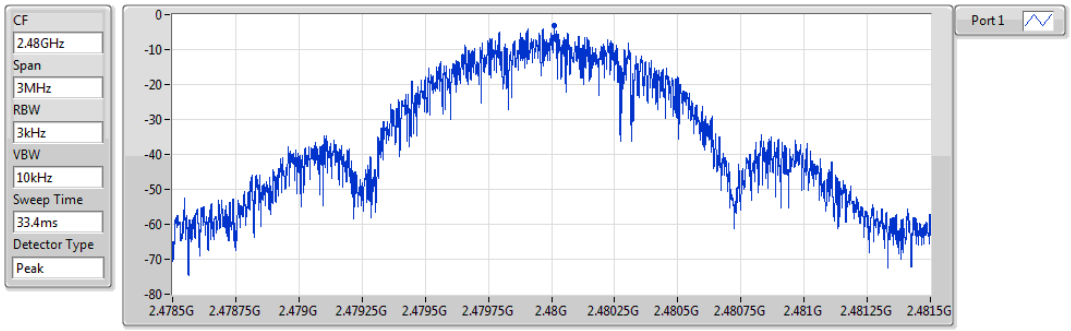
2440MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.51	-1.51	-1.51

BT-LE(0.5Mbps) **PSD**

2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.27	-3.27	-3.27

Summary

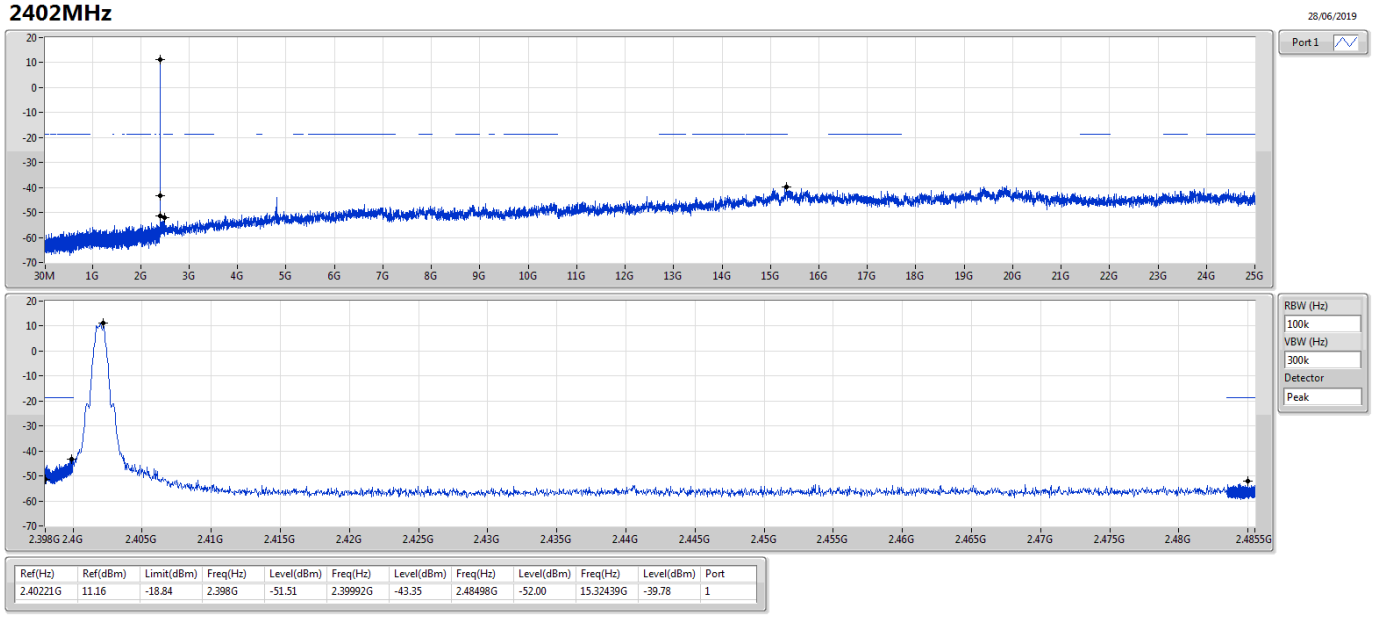
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.40221G	11.16	-18.84	2.398G	-51.51	2.39992G	-43.35	2.48498G	-52.00	15.32439G	-39.78	1
BT-LE(2Mbps)	Pass	2.40196G	10.66	-19.34	2.3957G	-49.10	2.39998G	-21.00	2.4842G	-53.31	14.74837G	-41.09	1
BT-LE(0.125Mbps)	Pass	2.40196G	7.96	-22.04	1.97899G	-54.68	2.39993G	-43.78	2.48599G	-53.21	24.45689G	-39.70	1
BT-LE(0.5Mbps)	Pass	2.40171G	10.73	-19.27	2.1591G	-54.13	2.39908G	-54.00	2.4861G	-52.77	15.33651G	-40.61	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	2.40221G	11.16	-18.84	2.398G	-51.51	2.39992G	-43.35	2.48498G	-52.00	15.32439G	-39.78	1
2440MHz	Pass	2.40221G	11.16	-18.84	2.14137G	-54.93	2.3981G	-53.26	2.48401G	-52.94	24.43432G	-40.86	1
2480MHz	Pass	2.40221G	11.16	-18.84	2.1097G	-55.00	2.39995G	-52.91	2.48355G	-47.00	15.09925G	-39.90	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40196G	10.66	-19.34	2.3957G	-49.10	2.39998G	-21.00	2.4842G	-53.31	14.74837G	-41.09	1
2440MHz	Pass	2.40196G	10.66	-19.34	2.0479G	-54.83	2.39885G	-54.10	2.48645G	-52.90	15.0551G	-40.62	1
2480MHz	Pass	2.40196G	10.66	-19.34	2.13544G	-54.96	2.39874G	-52.82	2.48373G	-40.89	15.10576G	-40.06	1
BT-LE(0.125Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40196G	7.96	-22.04	1.97899G	-54.68	2.39993G	-43.78	2.48599G	-53.21	24.45689G	-39.70	1
2440MHz	Pass	2.40196G	7.96	-22.04	1.75452G	-54.98	2.39983G	-53.94	2.48646G	-53.29	16.7548G	-40.18	1
2480MHz	Pass	2.40196G	7.96	-22.04	2.18838G	-55.04	2.39962G	-53.45	2.48389G	-46.24	15.33088G	-40.82	1
BT-LE(0.5Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40171G	10.73	-19.27	2.39511G	-53.41	2.39964G	-43.72	2.48697G	-53.09	15.07762G	-40.78	1
2440MHz	Pass	2.40171G	10.73	-19.27	2.1591G	-54.13	2.39908G	-54.00	2.4861G	-52.77	15.33651G	-40.61	1
2480MHz	Pass	2.40171G	10.73	-19.27	2.0689G	-55.06	2.39941G	-53.26	2.4836G	-47.30	15.11138G	-40.81	1

BT-LE(1Mbps) **CSE NdB**

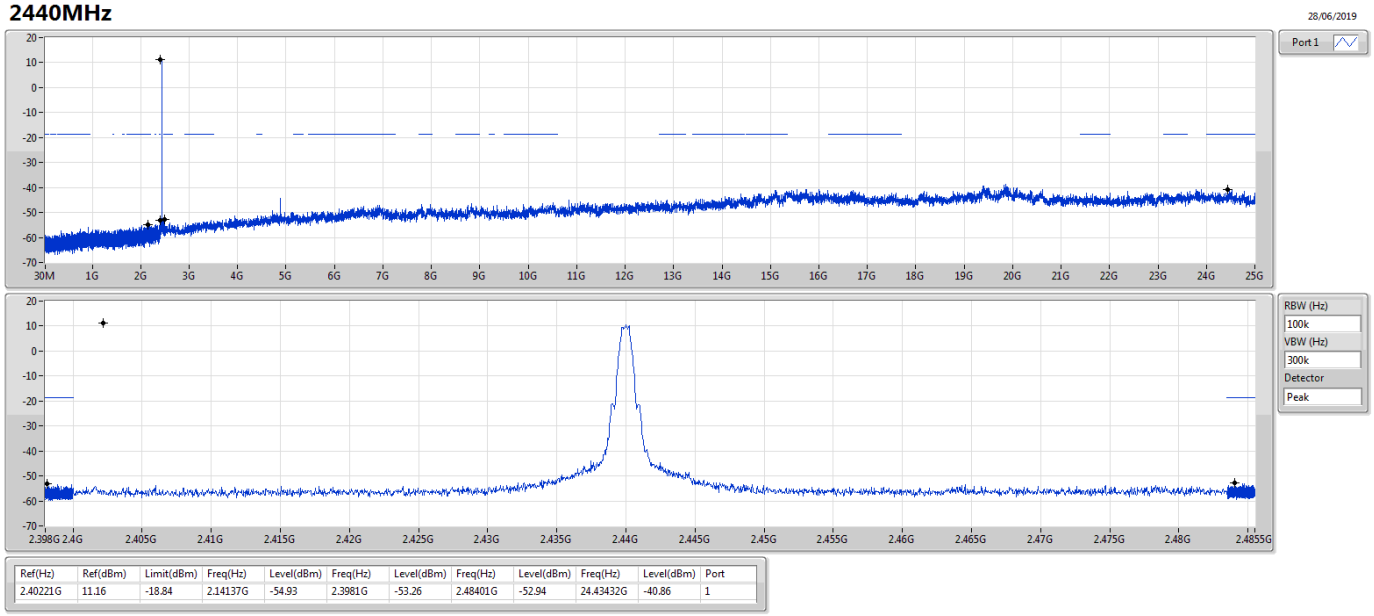
2402MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40221G	11.16	-18.84	2.398G	-51.51	2.39992G	-43.35	2.48498G	-52.00	15.32439G	-39.78	1

BT-LE(1Mbps) **CSE NdB**

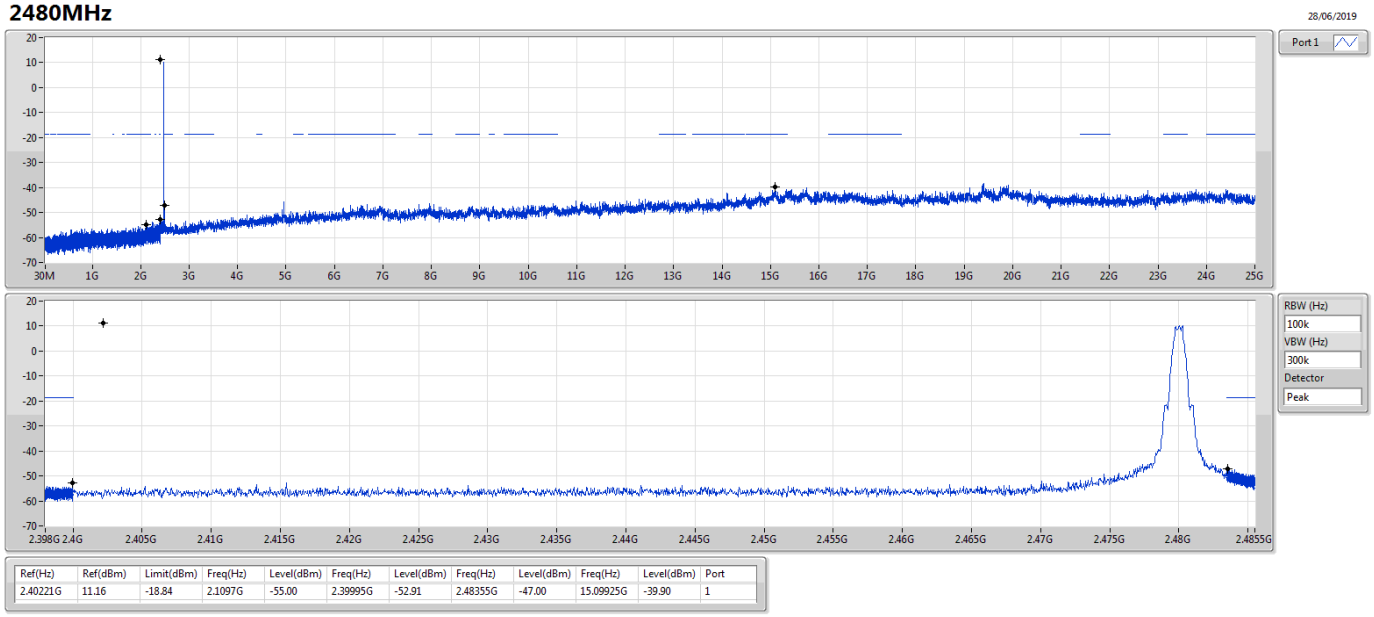
2440MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40221G	11.16	-18.84	2.14137G	-54.93	2.3981G	-53.26	2.48401G	-52.94	24.43432G	-40.86	1

BT-LE(1Mbps) **CSE NdB**

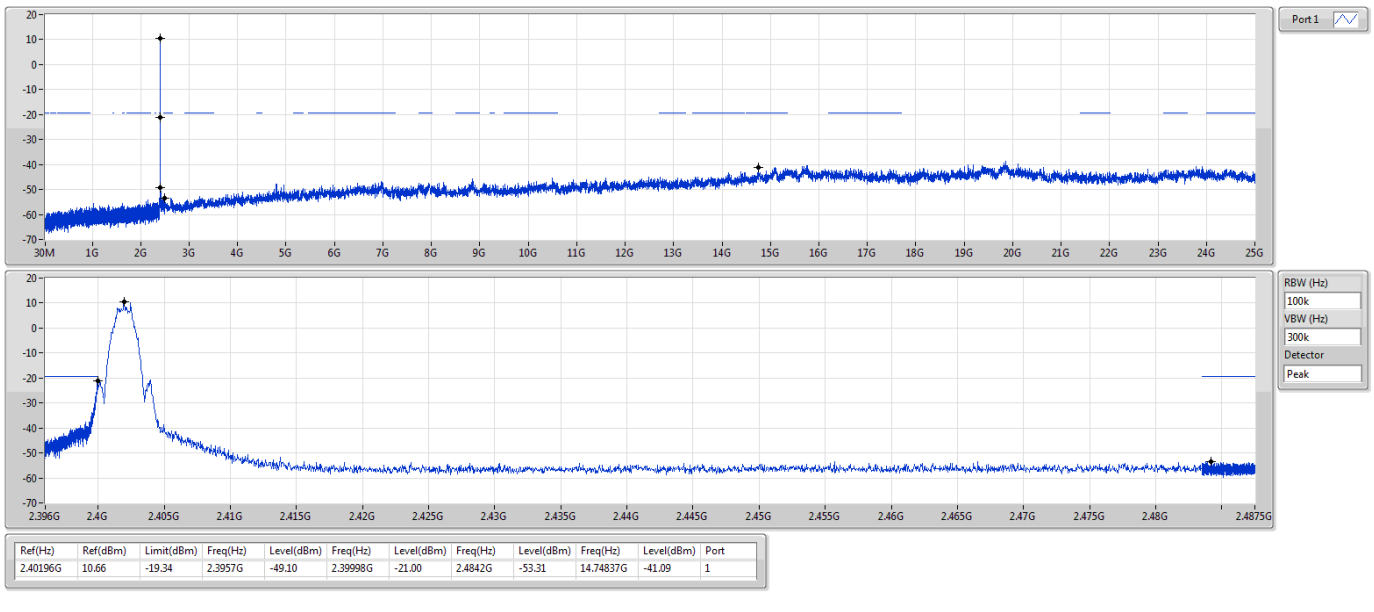
2480MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40221G	11.16	-18.84	2.1097G	-55.00	2.39995G	-52.91	2.48355G	-47.00	15.09925G	-39.90	1

BT-LE(2Mbps) **CSE NdB**

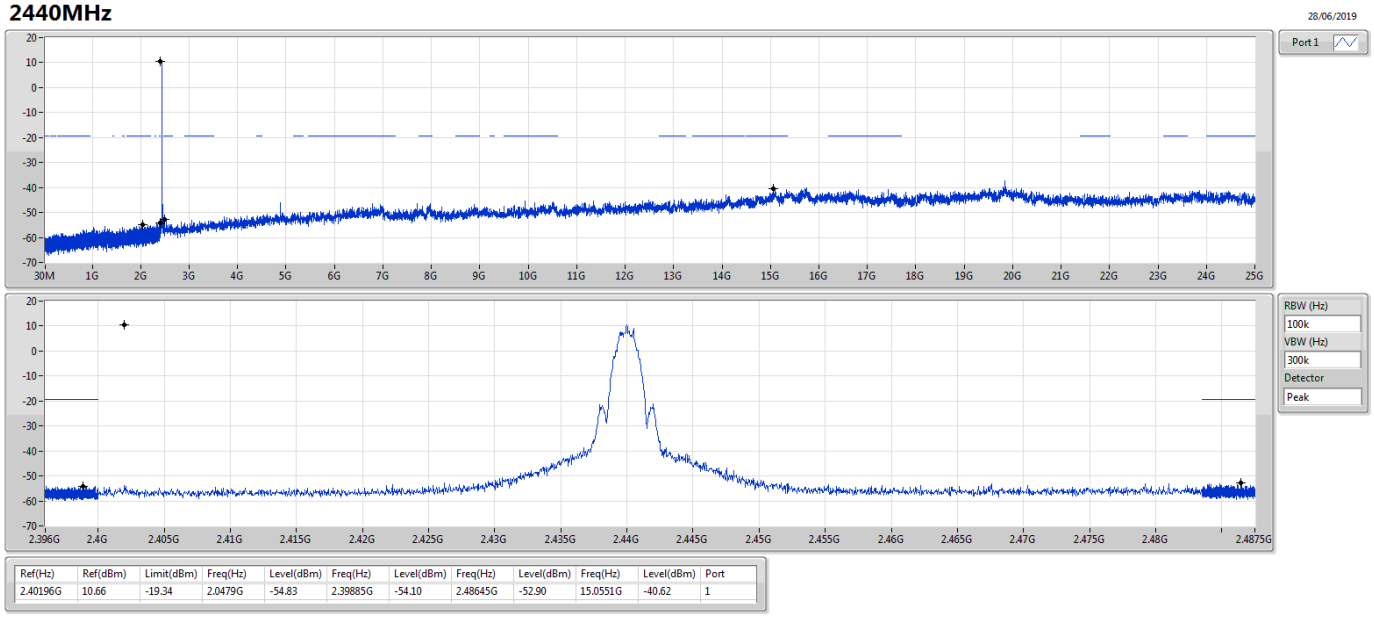
2402MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40196G	10.66	-19.34	2.3957G	-49.10	2.39998G	-21.00	2.4842G	-53.31	14.74837G	-41.09	1

BT-LE(2Mbps) **CSE NdB**

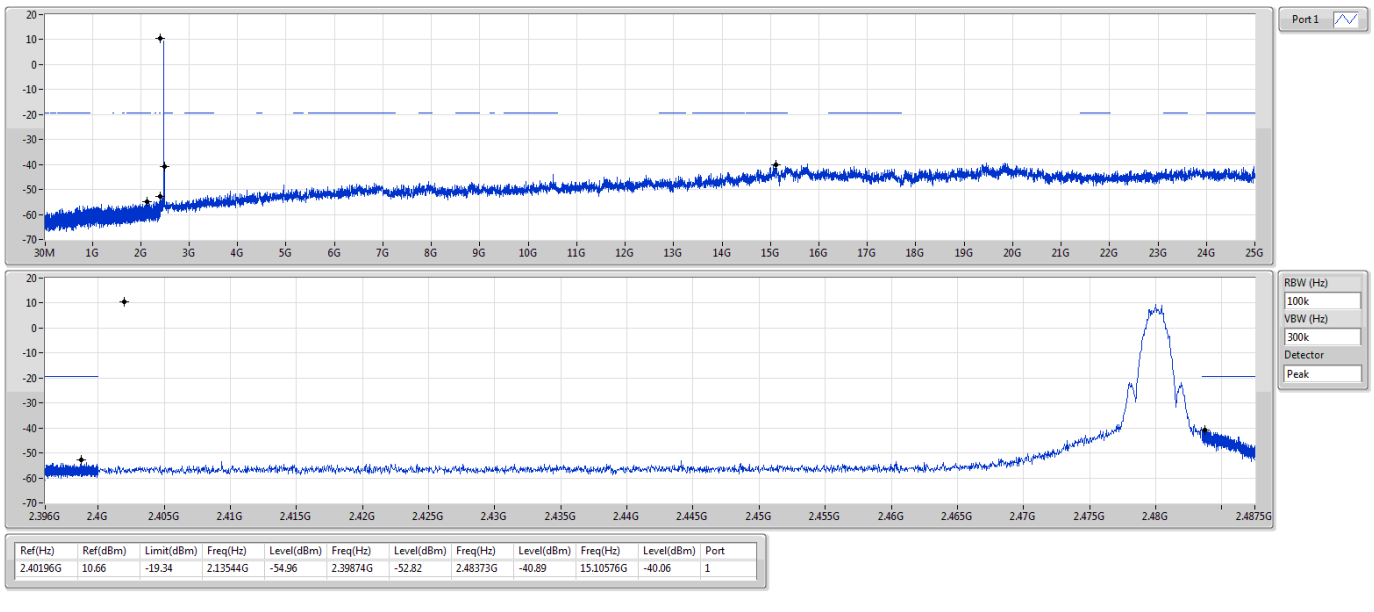
2440MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40196G	10.66	-19.34	2.0479G	-54.83	2.39885G	-54.10	2.48645G	-52.90	15.0551G	-40.62	1

BT-LE(2Mbps) **CSE NdB**

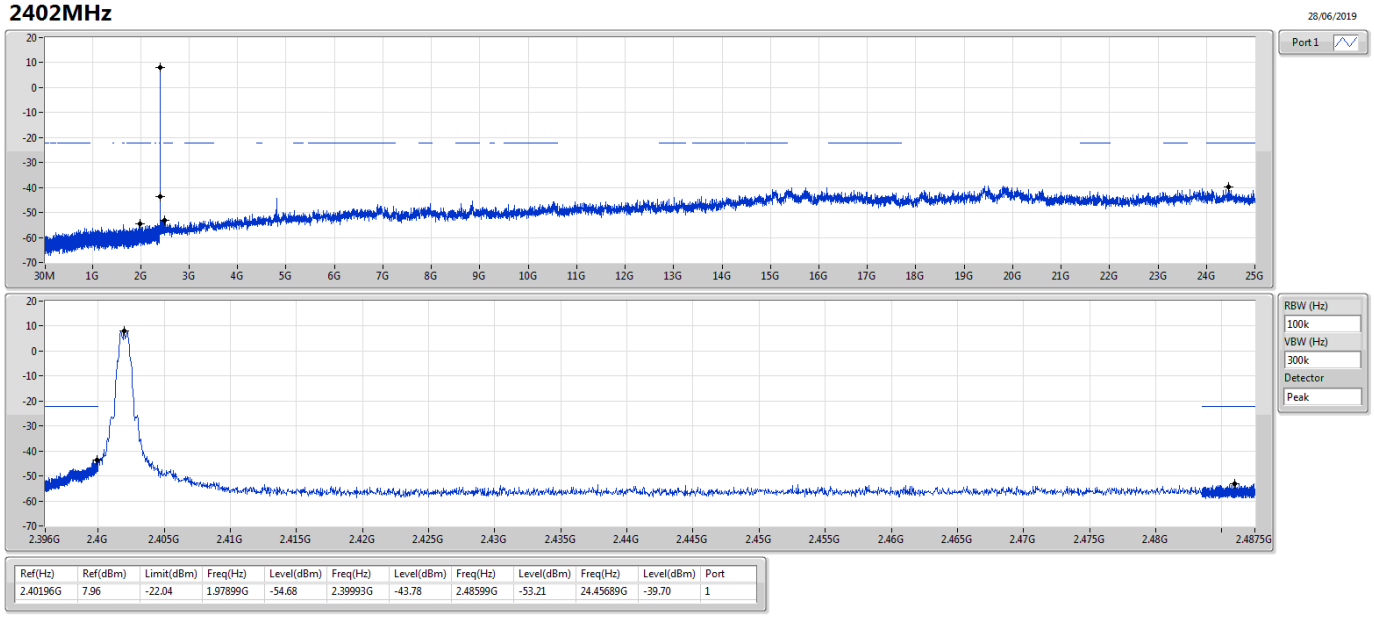
2480MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40196G	10.66	-19.34	2.13544G	-54.96	2.39874G	-52.82	2.48373G	-40.89	15.10576G	-40.06	1

BT-LE(0.125Mbps) **CSE NdB**

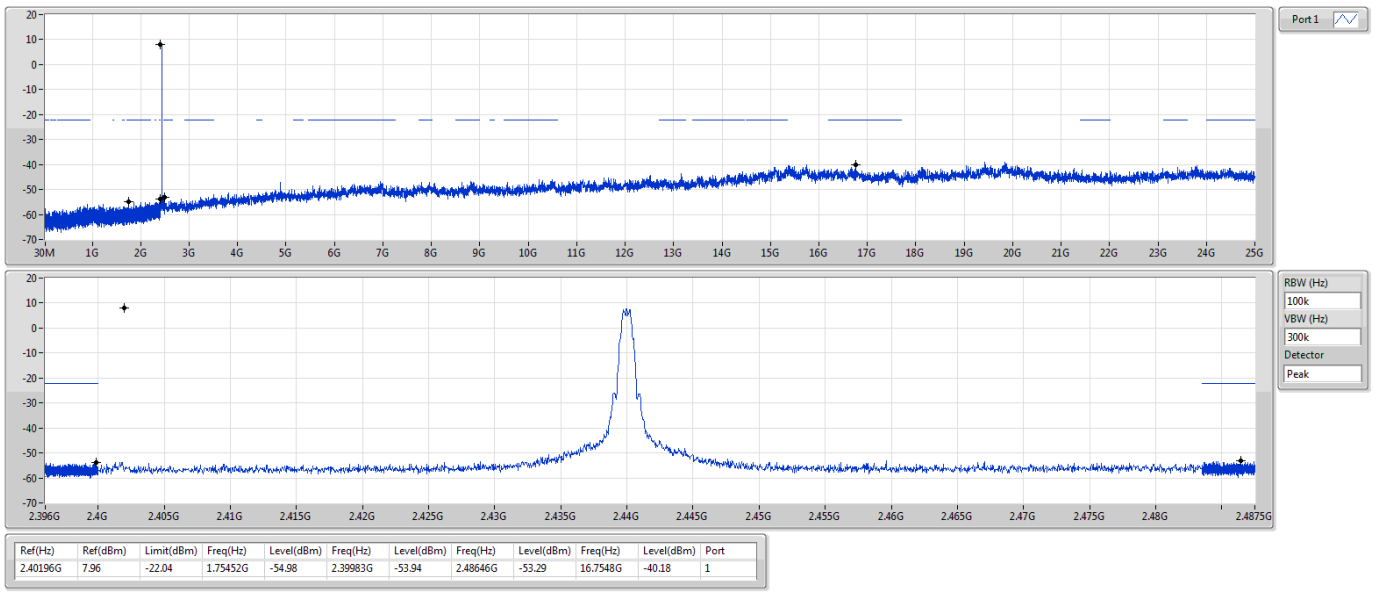
2402MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40196G	7.96	-22.04	1.97899G	-54.68	2.39993G	-43.78	2.48599G	-53.21	24.45689G	-39.70	1

BT-LE(0.125Mbps) **CSE NdB**

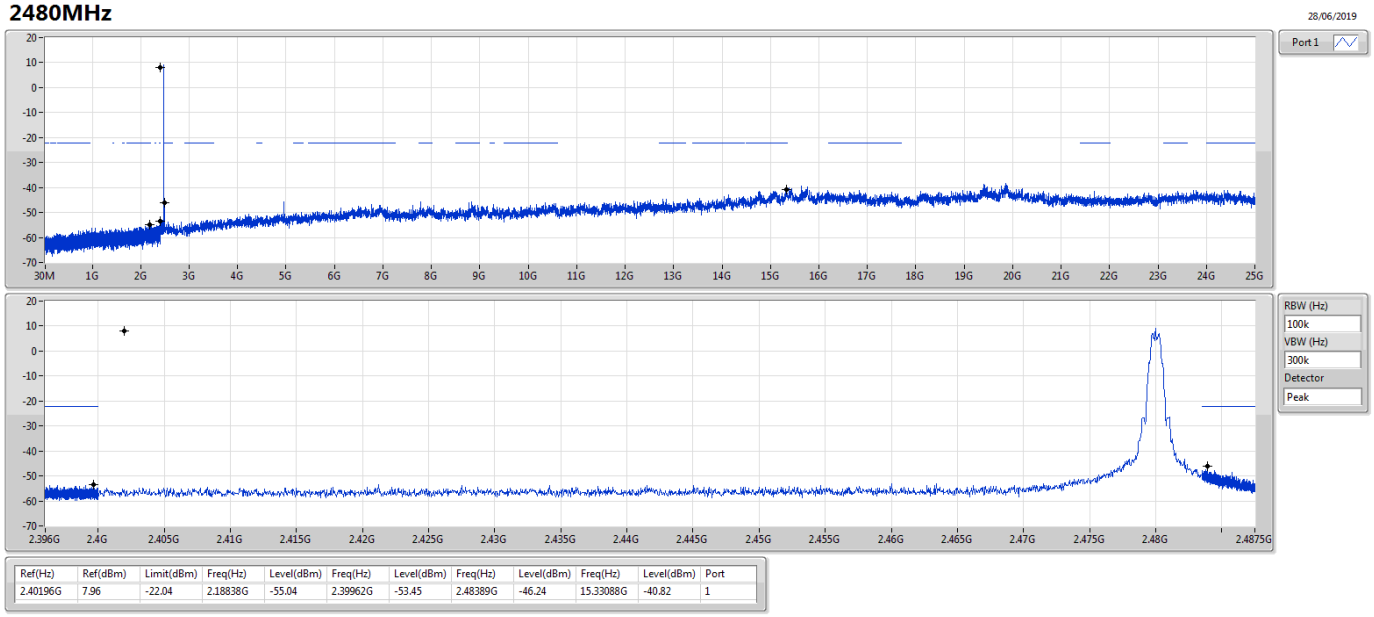
2440MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40196G	7.96	-22.04	1.75452G	-54.98	2.39983G	-53.94	2.48646G	-53.29	16.7548G	-40.18	1

BT-LE(0.125Mbps) **CSE NdB**

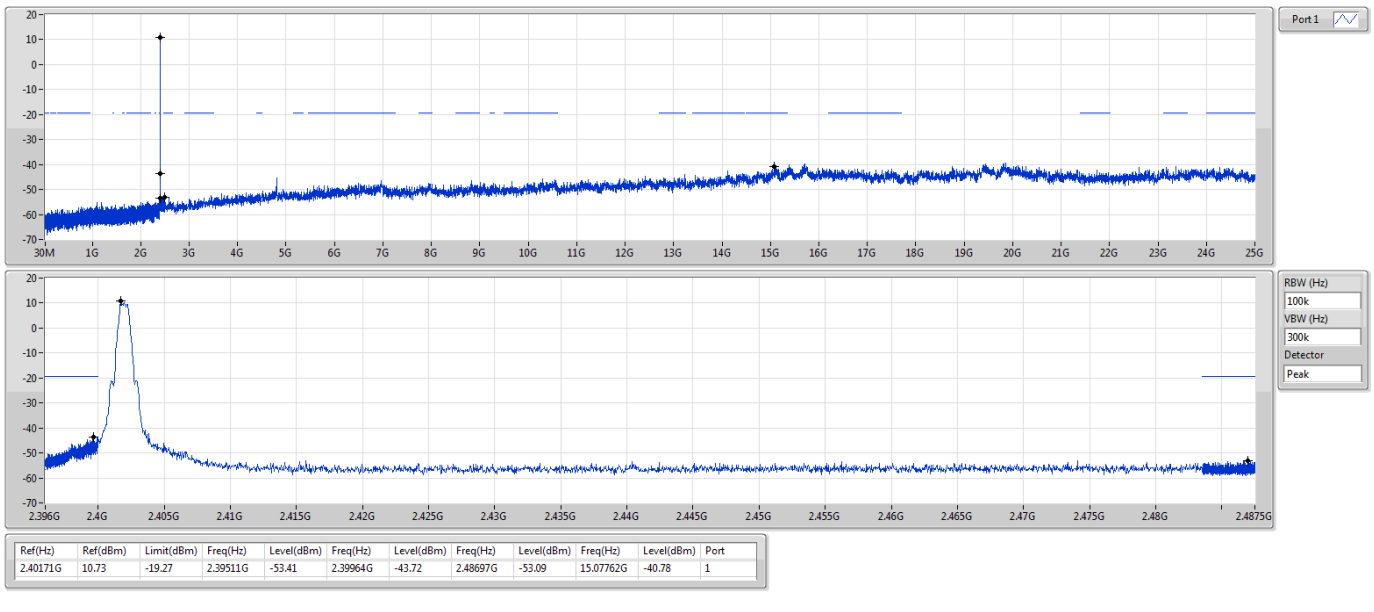
2480MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40196G	7.96	-22.04	2.18838G	-55.04	2.39962G	-53.45	2.48389G	-46.24	15.33088G	-40.82	1

BT-LE(0.5Mbps) **CSE NdB**

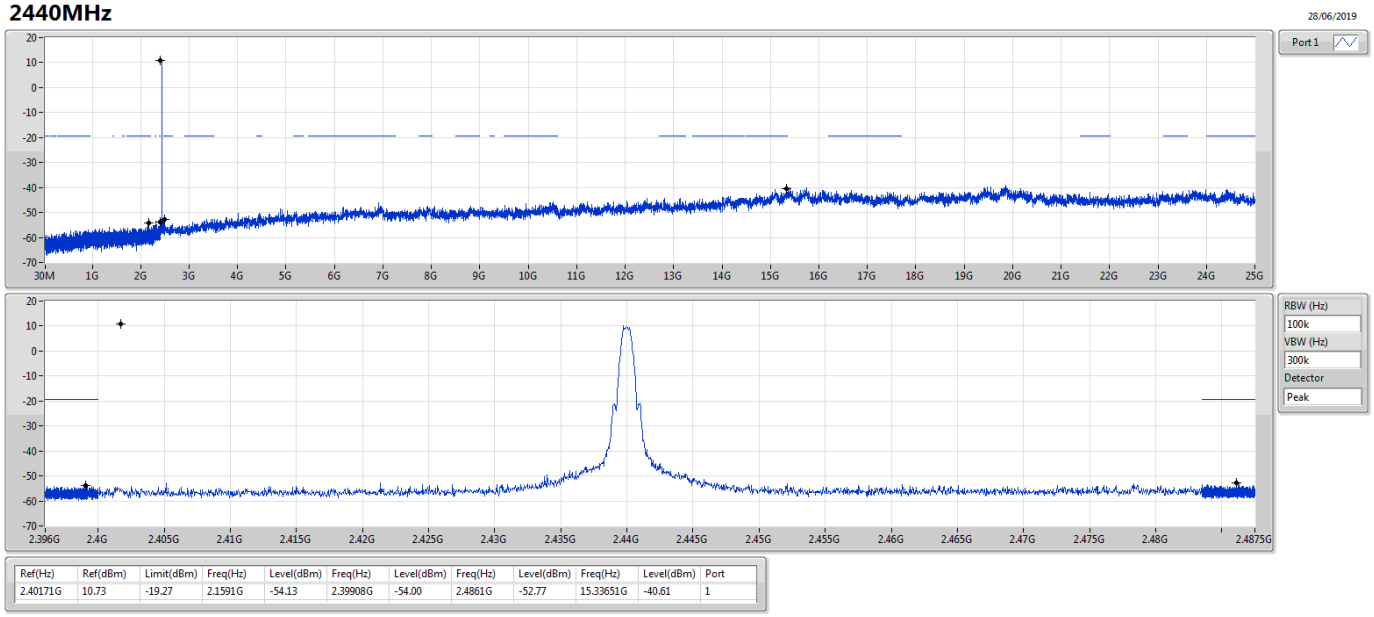
2402MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40171G	10.73	-19.27	2.39511G	-53.41	2.39964G	-43.72	2.48697G	-53.09	15.07762G	-40.78	1

BT-LE(0.5Mbps) **CSE NdB**

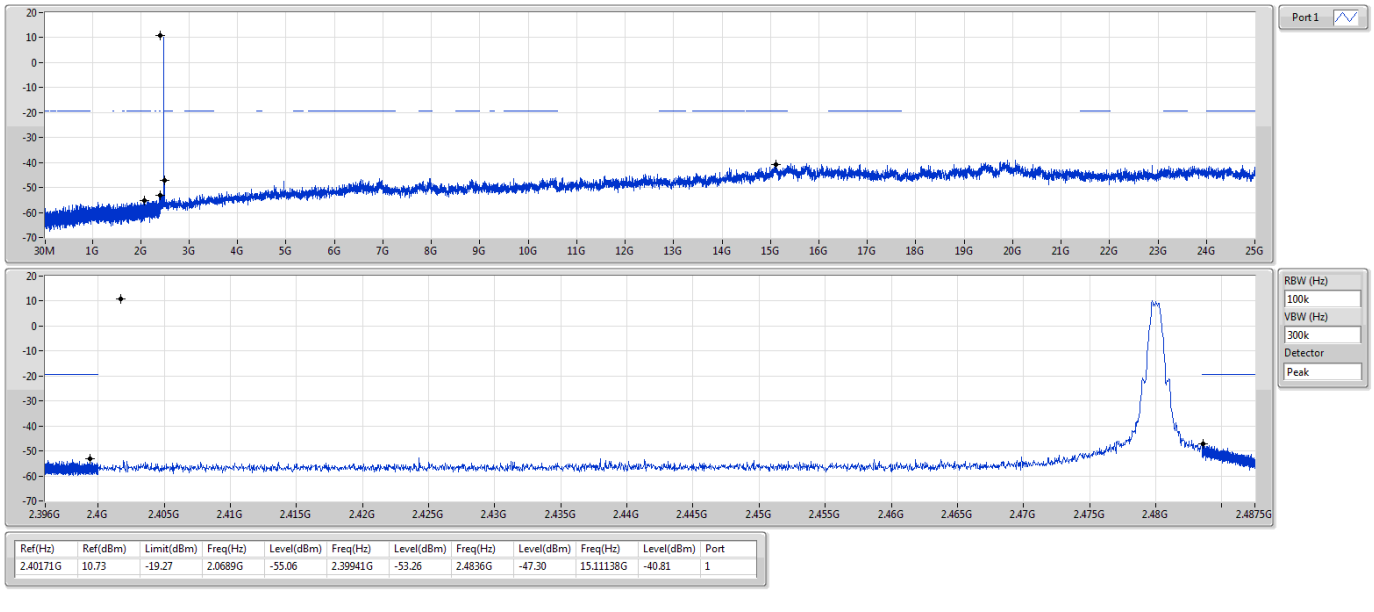
2440MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40171G	10.73	-19.27	2.1591G	-54.13	2.39908G	-54.00	2.4861G	-52.77	15.33651G	-40.61	1

BT-LE(0.5Mbps) **CSE NdB**

2480MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40171G	10.73	-19.27	2.0689G	-55.06	2.39941G	-53.26	2.4836G	-47.30	15.11138G	-40.81	1

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	PK	41.64M	35.57	40.00	-4.43	-19.06	3	Vertical	360	2.00	-

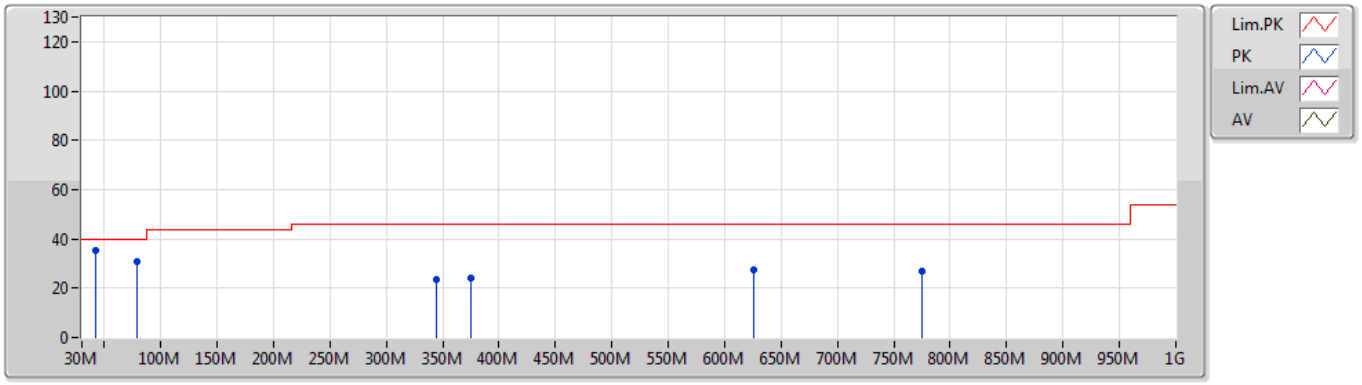
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	PK	41.64M	35.57	40.00	-4.43	-19.06	3	Vertical	360	2.00	-
2440MHz	Pass	PK	78.5M	30.67	40.00	-9.33	-23.95	3	Vertical	360	2.00	-
2440MHz	Pass	PK	344.28M	23.74	46.00	-22.26	-15.55	3	Vertical	360	2.00	-
2440MHz	Pass	PK	375.32M	24.23	46.00	-21.77	-14.72	3	Vertical	360	2.00	-
2440MHz	Pass	PK	625.58M	27.23	46.00	-18.77	-9.73	3	Vertical	360	2.00	-
2440MHz	Pass	PK	774.96M	27.01	46.00	-18.99	-7.72	3	Vertical	360	2.00	-
2440MHz	Pass	PK	57.16M	26.81	40.00	-13.19	-25.20	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	97.9M	25.61	43.50	-17.89	-21.12	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	293.84M	31.34	46.00	-14.66	-16.78	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	344.28M	32.82	46.00	-13.18	-15.55	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	536.34M	26.82	46.00	-19.18	-11.70	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	910.76M	29.09	46.00	-16.91	-6.29	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	92.08M	27.58	43.50	-15.92	-21.91	3	Vertical	0	1.00	-
2440MHz	Pass	PK	159.98M	26.72	43.50	-16.78	-19.77	3	Vertical	0	1.00	-
2440MHz	Pass	PK	255.04M	24.21	46.00	-21.79	-16.35	3	Vertical	0	1.00	-
2440MHz	Pass	PK	346.22M	31.13	46.00	-14.87	-15.49	3	Vertical	0	1.00	-
2440MHz	Pass	PK	643.04M	25.87	46.00	-20.13	-9.44	3	Vertical	0	1.00	-
2440MHz	Pass	PK	932.1M	34.66	46.00	-11.34	-5.34	3	Vertical	0	1.00	-
2440MHz	Pass	PK	86.26M	24.94	40.00	-15.06	-22.89	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	175.5M	28.09	43.50	-15.41	-20.94	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	216M	28.32	43.50	-15.18	-20.91	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	344.28M	35.79	46.00	-10.21	-15.55	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	530.52M	24.47	46.00	-21.53	-11.74	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	776.9M	33.01	46.00	-12.99	-7.70	3	Horizontal	360	1.00	-

BT-LE(2Mbps)

27/06/2019

2440MHz_Adapter

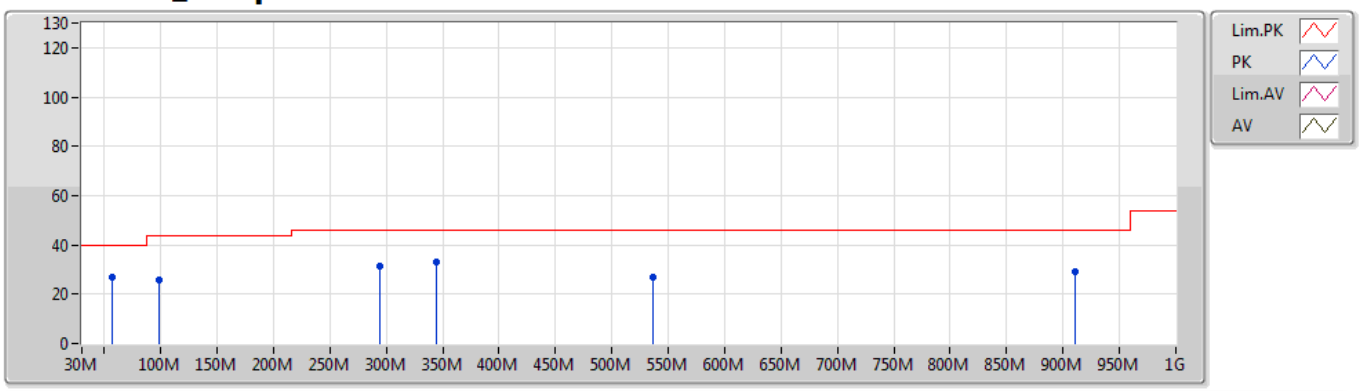


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	41.64M	35.57	40.00	-4.43	-19.06	3	Vertical	360	2.00	-	54.63	17.63	0.55	37.24
PK	78.5M	30.67	40.00	-9.33	-23.95	3	Vertical	360	2.00	-	54.62	12.28	0.72	36.95
PK	344.28M	23.74	46.00	-22.26	-15.55	3	Vertical	360	2.00	-	39.29	19.44	1.56	36.55
PK	375.32M	24.23	46.00	-21.77	-14.72	3	Vertical	360	2.00	-	38.95	20.25	1.63	36.60
PK	625.58M	27.23	46.00	-18.77	-9.73	3	Vertical	360	2.00	-	36.96	25.38	2.15	37.26
PK	774.96M	27.01	46.00	-18.99	-7.72	3	Vertical	360	2.00	-	34.73	27.34	2.40	37.46

BT-LE(2Mbps)

27/06/2019

2440MHz_Adapter

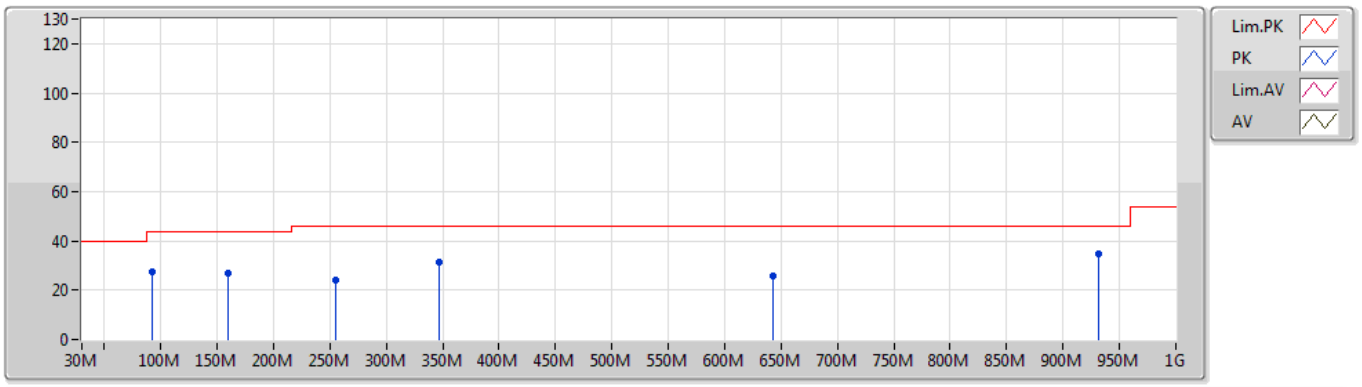


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	57.16M	26.81	40.00	-13.19	-25.20	3	Horizontal	0	1.00	-	52.01	11.30	0.61	37.11
PK	97.9M	25.61	43.50	-17.89	-21.12	3	Horizontal	0	1.00	-	46.73	14.88	0.80	36.80
PK	293.84M	31.34	46.00	-14.66	-16.78	3	Horizontal	0	1.00	-	48.12	18.27	1.42	36.47
PK	344.28M	32.82	46.00	-13.18	-15.55	3	Horizontal	0	1.00	-	48.37	19.44	1.56	36.55
PK	536.34M	26.82	46.00	-19.18	-11.70	3	Horizontal	0	1.00	-	38.52	23.35	1.98	37.03
PK	910.76M	29.09	46.00	-16.91	-6.29	3	Horizontal	0	1.00	-	35.38	28.62	2.55	37.46

BT-LE(2Mbps)

2440MHz_PoE

27/06/2019

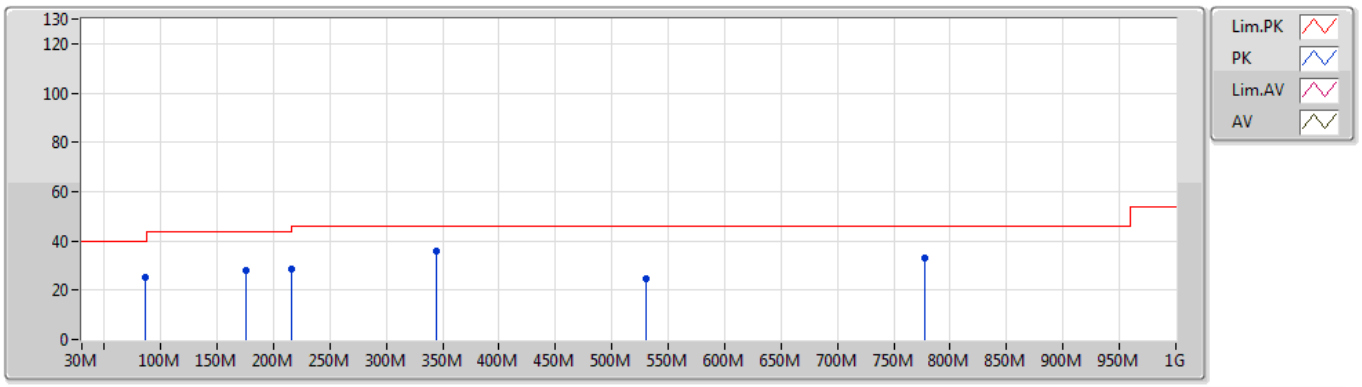


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	92.08M	27.58	43.50	-15.92	-21.91	3	Vertical	0	1.00	-	49.49	14.15	0.78	36.84
PK	159.98M	26.72	43.50	-16.78	-19.77	3	Vertical	0	1.00	-	46.49	15.72	1.04	36.53
PK	255.04M	24.21	46.00	-21.79	-16.35	3	Vertical	0	1.00	-	40.56	18.77	1.31	36.43
PK	346.22M	31.13	46.00	-14.87	-15.49	3	Vertical	0	1.00	-	46.62	19.49	1.57	36.55
PK	643.04M	25.87	46.00	-20.13	-9.44	3	Vertical	0	1.00	-	35.31	25.65	2.19	37.28
PK	932.1M	34.66	46.00	-11.34	-5.34	3	Vertical	0	1.00	-	40.00	29.44	2.58	37.36

BT-LE(2Mbps)

2440MHz_PoE

27/06/2019



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	86.26M	24.94	40.00	-15.06	-22.89	3	Horizontal	360	1.00	-	47.83	13.24	0.76	36.89
PK	175.5M	28.09	43.50	-15.41	-20.94	3	Horizontal	360	1.00	-	49.03	14.42	1.10	36.46
PK	216M	28.32	43.50	-15.18	-20.91	3	Horizontal	360	1.00	-	49.23	14.26	1.21	36.38
PK	344.28M	35.79	46.00	-10.21	-15.55	3	Horizontal	360	1.00	-	51.34	19.44	1.56	36.55
PK	530.52M	24.47	46.00	-21.53	-11.74	3	Horizontal	360	1.00	-	36.21	23.31	1.96	37.01
PK	776.9M	33.01	46.00	-12.99	-7.70	3	Horizontal	360	1.00	-	40.71	27.36	2.41	37.47

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(0.125Mbps)	Pass	AV	2.4835G	46.16	54.00	-7.84	31.58	3	Horizontal	155	1.50	-
BT-LE(0.5Mbps)	Pass	AV	2.4835G	45.83	54.00	-8.17	31.58	3	Horizontal	155	1.49	-
BT-LE(1Mbps)	Pass	AV	2.4835G	46.29	54.00	-7.71	31.58	3	Horizontal	154	1.53	-
BT-LE(2Mbps)	Pass	AV	2.4835G	49.66	54.00	-4.34	31.58	3	Horizontal	154	1.50	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-LE(0.125Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3568G	43.01	54.00	-10.99	31.64	3	Vertical	167	1.50	-
2402MHz	Pass	AV	2.402G	91.85	Inf	-Inf	31.54	3	Vertical	167	1.50	-
2402MHz	Pass	PK	2.369G	56.81	74.00	-17.19	31.61	3	Vertical	167	1.50	-
2402MHz	Pass	PK	2.4022G	93.70	Inf	-Inf	31.54	3	Vertical	167	1.50	-
2402MHz	Pass	AV	2.3636G	43.00	54.00	-11.00	31.63	3	Horizontal	154	1.49	-
2402MHz	Pass	AV	2.402G	100.12	Inf	-Inf	31.54	3	Horizontal	154	1.49	-
2402MHz	Pass	PK	2.3566G	56.38	74.00	-17.62	31.64	3	Horizontal	154	1.49	-
2402MHz	Pass	PK	2.4022G	102.09	Inf	-Inf	31.54	3	Horizontal	154	1.49	-
2402MHz	Pass	AV	4.80359G	32.61	54.00	-21.39	-3.94	3	Vertical	211	1.50	-
2402MHz	Pass	PK	4.80397G	45.34	74.00	-28.66	-3.94	3	Vertical	211	1.50	-
2402MHz	Pass	AV	4.80396G	38.14	54.00	-15.86	-3.94	3	Horizontal	44	1.00	-
2402MHz	Pass	PK	4.80345G	48.07	74.00	-25.93	-3.94	3	Horizontal	44	1.00	-
2440MHz	Pass	AV	2.3492G	43.23	54.00	-10.77	31.66	3	Vertical	166	1.50	-
2440MHz	Pass	AV	2.44G	94.54	Inf	-Inf	31.55	3	Vertical	166	1.50	-
2440MHz	Pass	AV	2.4936G	43.51	54.00	-10.49	31.58	3	Vertical	166	1.50	-
2440MHz	Pass	PK	2.378G	56.33	74.00	-17.67	31.59	3	Vertical	166	1.50	-
2440MHz	Pass	PK	2.4404G	95.88	Inf	-Inf	31.55	3	Vertical	166	1.50	-
2440MHz	Pass	PK	2.4908G	56.68	74.00	-17.32	31.58	3	Vertical	166	1.50	-
2440MHz	Pass	AV	2.3504G	43.18	54.00	-10.82	31.66	3	Horizontal	154	1.50	-
2440MHz	Pass	AV	2.44G	101.11	Inf	-Inf	31.55	3	Horizontal	154	1.50	-
2440MHz	Pass	AV	2.492G	43.51	54.00	-10.49	31.58	3	Horizontal	154	1.50	-
2440MHz	Pass	PK	2.3752G	57.38	74.00	-16.62	31.60	3	Horizontal	154	1.50	-
2440MHz	Pass	PK	2.4396G	102.45	Inf	-Inf	31.55	3	Horizontal	154	1.50	-
2440MHz	Pass	PK	2.4892G	56.35	74.00	-17.65	31.57	3	Horizontal	154	1.50	-
2440MHz	Pass	AV	4.87995G	32.87	54.00	-21.13	-3.90	3	Vertical	204	1.49	-
2440MHz	Pass	PK	4.87941G	44.74	74.00	-29.26	-3.90	3	Vertical	204	1.49	-
2440MHz	Pass	AV	4.87994G	38.59	54.00	-15.41	-3.90	3	Horizontal	357	2.09	-
2440MHz	Pass	PK	4.87942G	48.26	74.00	-25.74	-3.90	3	Horizontal	357	2.09	-
2480MHz	Pass	AV	2.48G	97.23	Inf	-Inf	31.57	3	Vertical	96	1.50	-
2480MHz	Pass	AV	2.4836G	44.23	54.00	-9.77	31.58	3	Vertical	96	1.50	-
2480MHz	Pass	PK	2.4802G	98.43	Inf	-Inf	31.57	3	Vertical	96	1.50	-
2480MHz	Pass	PK	2.485G	56.62	74.00	-17.38	31.58	3	Vertical	96	1.50	-
2480MHz	Pass	AV	2.48G	103.19	Inf	-Inf	31.57	3	Horizontal	155	1.50	-
2480MHz	Pass	AV	2.4835G	46.16	54.00	-7.84	31.58	3	Horizontal	155	1.50	-
2480MHz	Pass	PK	2.4798G	104.32	Inf	-Inf	31.57	3	Horizontal	155	1.50	-
2480MHz	Pass	PK	2.4838G	57.97	74.00	-16.03	31.58	3	Horizontal	155	1.50	-
2480MHz	Pass	AV	4.96001G	36.29	54.00	-17.71	-3.63	3	Vertical	208	2.99	-
2480MHz	Pass	PK	4.9604G	46.76	74.00	-27.24	-3.63	3	Vertical	208	2.99	-
2480MHz	Pass	AV	4.95995G	39.82	54.00	-14.18	-3.63	3	Horizontal	351	1.44	-
2480MHz	Pass	PK	4.96037G	48.67	74.00	-25.33	-3.63	3	Horizontal	351	1.44	-
BT-LE(0.5Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.361G	43.24	54.00	-10.76	31.64	3	Vertical	167	1.50	-
2402MHz	Pass	AV	2.402G	92.14	Inf	-Inf	31.54	3	Vertical	167	1.50	-
2402MHz	Pass	PK	2.3606G	55.90	74.00	-18.10	31.64	3	Vertical	167	1.50	-
2402MHz	Pass	PK	2.4018G	93.99	Inf	-Inf	31.54	3	Vertical	167	1.50	-
2402MHz	Pass	AV	2.3526G	43.19	54.00	-10.81	31.65	3	Horizontal	155	1.48	-
2402MHz	Pass	AV	2.402G	100.62	Inf	-Inf	31.54	3	Horizontal	155	1.48	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2402MHz	Pass	PK	2.3876G	56.68	74.00	-17.32	31.57	3	Horizontal	155	1.48	-
2402MHz	Pass	PK	2.4022G	102.46	Inf	-Inf	31.54	3	Horizontal	155	1.48	-
2402MHz	Pass	AV	4.80391G	34.03	54.00	-19.97	-3.94	3	Vertical	208	1.88	-
2402MHz	Pass	PK	4.80349G	45.79	74.00	-28.21	-3.94	3	Vertical	208	1.88	-
2402MHz	Pass	AV	4.80396G	38.81	54.00	-15.19	-3.94	3	Horizontal	40	1.01	-
2402MHz	Pass	PK	4.80364G	47.89	74.00	-26.11	-3.94	3	Horizontal	40	1.01	-
2440MHz	Pass	AV	2.348G	43.17	54.00	-10.83	31.67	3	Vertical	165	1.50	-
2440MHz	Pass	AV	2.44G	93.75	Inf	-Inf	31.55	3	Vertical	165	1.50	-
2440MHz	Pass	AV	2.496G	43.48	54.00	-10.52	31.57	3	Vertical	165	1.50	-
2440MHz	Pass	PK	2.3608G	57.04	74.00	-16.96	31.64	3	Vertical	165	1.50	-
2440MHz	Pass	PK	2.4404G	95.67	Inf	-Inf	31.55	3	Vertical	165	1.50	-
2440MHz	Pass	PK	2.4924G	56.41	74.00	-17.59	31.58	3	Vertical	165	1.50	-
2440MHz	Pass	AV	2.3468G	43.25	54.00	-10.75	31.67	3	Horizontal	152	1.52	-
2440MHz	Pass	AV	2.44G	100.55	Inf	-Inf	31.55	3	Horizontal	152	1.52	-
2440MHz	Pass	AV	2.4976G	43.49	54.00	-10.51	31.58	3	Horizontal	152	1.52	-
2440MHz	Pass	PK	2.3452G	56.61	74.00	-17.39	31.67	3	Horizontal	152	1.52	-
2440MHz	Pass	PK	2.4396G	102.38	Inf	-Inf	31.55	3	Horizontal	152	1.52	-
2440MHz	Pass	PK	2.4884G	56.76	74.00	-17.24	31.57	3	Horizontal	152	1.52	-
2440MHz	Pass	AV	4.87996G	33.50	54.00	-20.50	-3.90	3	Vertical	204	1.45	-
2440MHz	Pass	PK	4.88022G	45.07	74.00	-28.93	-3.90	3	Vertical	204	1.45	-
2440MHz	Pass	AV	4.87995G	39.02	54.00	-14.98	-3.90	3	Horizontal	358	2.16	-
2440MHz	Pass	PK	4.87953G	47.73	74.00	-26.27	-3.90	3	Horizontal	358	2.16	-
2480MHz	Pass	AV	2.4798G	96.16	Inf	-Inf	31.57	3	Vertical	96	1.50	-
2480MHz	Pass	AV	2.4836G	44.18	54.00	-9.82	31.58	3	Vertical	96	1.50	-
2480MHz	Pass	PK	2.4802G	98.32	Inf	-Inf	31.57	3	Vertical	96	1.50	-
2480MHz	Pass	PK	2.4844G	56.59	74.00	-17.41	31.58	3	Vertical	96	1.50	-
2480MHz	Pass	AV	2.48G	102.43	Inf	-Inf	31.57	3	Horizontal	155	1.49	-
2480MHz	Pass	AV	2.4835G	45.83	54.00	-8.17	31.58	3	Horizontal	155	1.49	-
2480MHz	Pass	PK	2.4798G	104.37	Inf	-Inf	31.57	3	Horizontal	155	1.49	-
2480MHz	Pass	PK	2.4842G	57.75	74.00	-16.25	31.58	3	Horizontal	155	1.49	-
2480MHz	Pass	AV	4.96003G	35.67	54.00	-18.33	-3.63	3	Vertical	214	2.27	-
2480MHz	Pass	PK	4.9596G	46.78	74.00	-27.22	-3.63	3	Vertical	214	2.27	-
2480MHz	Pass	AV	4.96G	40.72	54.00	-13.28	-3.63	3	Horizontal	352	2.14	-
2480MHz	Pass	PK	4.96018G	48.83	74.00	-25.17	-3.63	3	Horizontal	352	2.14	-
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3616G	43.28	54.00	-10.72	31.63	3	Vertical	163	1.50	-
2402MHz	Pass	AV	2.402G	89.42	Inf	-Inf	31.54	3	Vertical	163	1.50	-
2402MHz	Pass	PK	2.357G	57.05	74.00	-16.95	31.64	3	Vertical	163	1.50	-
2402MHz	Pass	PK	2.402G	93.74	Inf	-Inf	31.54	3	Vertical	163	1.50	-
2402MHz	Pass	AV	2.3586G	43.24	54.00	-10.76	31.64	3	Horizontal	305	1.50	-
2402MHz	Pass	AV	2.402G	97.27	Inf	-Inf	31.54	3	Horizontal	305	1.50	-
2402MHz	Pass	PK	2.3846G	56.37	74.00	-17.63	31.57	3	Horizontal	305	1.50	-
2402MHz	Pass	PK	2.4018G	102.16	Inf	-Inf	31.54	3	Horizontal	305	1.50	-
2402MHz	Pass	AV	4.80393G	33.44	54.00	-20.56	-3.94	3	Vertical	207	1.50	-
2402MHz	Pass	PK	4.8035G	45.36	74.00	-28.64	-3.94	3	Vertical	207	1.50	-
2402MHz	Pass	AV	4.804G	38.17	54.00	-15.83	-3.94	3	Horizontal	42	1.00	-
2402MHz	Pass	PK	4.80353G	47.77	74.00	-26.23	-3.94	3	Horizontal	42	1.00	-
2440MHz	Pass	AV	2.3508G	43.20	54.00	-10.80	31.66	3	Vertical	166	1.51	-
2440MHz	Pass	AV	2.44G	90.93	Inf	-Inf	31.55	3	Vertical	166	1.51	-

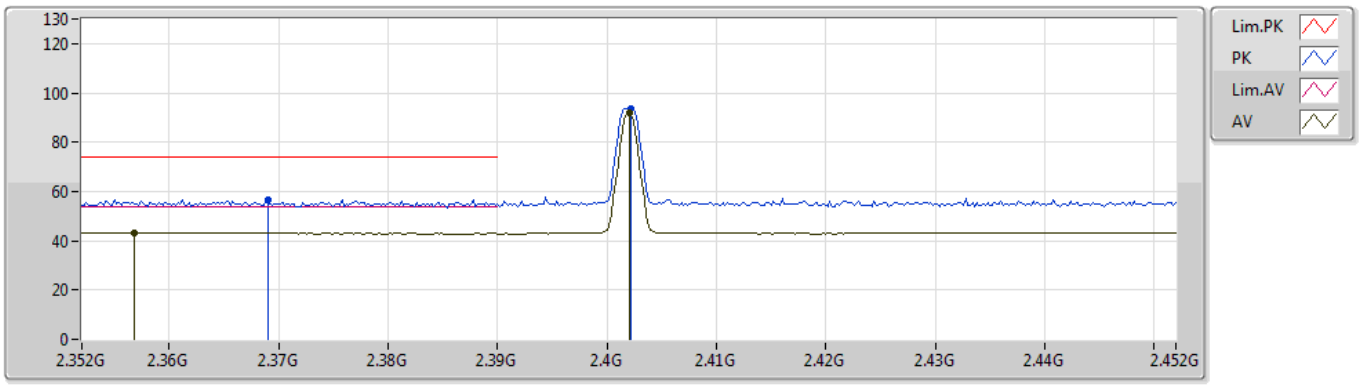
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2440MHz	Pass	AV	2.498G	43.55	54.00	-10.45	31.58	3	Vertical	166	1.51	-
2440MHz	Pass	PK	2.3536G	56.35	74.00	-17.65	31.66	3	Vertical	166	1.51	-
2440MHz	Pass	PK	2.4396G	95.45	Inf	-Inf	31.55	3	Vertical	166	1.51	-
2440MHz	Pass	PK	2.4976G	57.25	74.00	-16.75	31.58	3	Vertical	166	1.51	-
2440MHz	Pass	AV	2.3472G	43.19	54.00	-10.81	31.67	3	Horizontal	154	1.50	-
2440MHz	Pass	AV	2.44G	97.91	Inf	-Inf	31.55	3	Horizontal	154	1.50	-
2440MHz	Pass	AV	2.4908G	43.55	54.00	-10.45	31.58	3	Horizontal	154	1.50	-
2440MHz	Pass	PK	2.3456G	56.66	74.00	-17.34	31.67	3	Horizontal	154	1.50	-
2440MHz	Pass	PK	2.44G	102.76	Inf	-Inf	31.55	3	Horizontal	154	1.50	-
2440MHz	Pass	PK	2.49G	56.67	74.00	-17.33	31.58	3	Horizontal	154	1.50	-
2440MHz	Pass	AV	4.87991G	33.37	54.00	-20.63	-3.90	3	Vertical	207	1.93	-
2440MHz	Pass	PK	4.87934G	45.26	74.00	-28.74	-3.90	3	Vertical	207	1.93	-
2440MHz	Pass	AV	4.87995G	38.60	54.00	-15.40	-3.90	3	Horizontal	358	2.16	-
2440MHz	Pass	PK	4.87945G	47.81	74.00	-26.19	-3.90	3	Horizontal	358	2.16	-
2480MHz	Pass	AV	2.48G	94.82	Inf	-Inf	31.57	3	Vertical	98	1.79	-
2480MHz	Pass	AV	2.4835G	44.39	54.00	-9.61	31.58	3	Vertical	98	1.79	-
2480MHz	Pass	PK	2.48G	99.41	Inf	-Inf	31.57	3	Vertical	98	1.79	-
2480MHz	Pass	PK	2.4835G	56.57	74.00	-17.43	31.58	3	Vertical	98	1.79	-
2480MHz	Pass	AV	2.48G	99.42	Inf	-Inf	31.57	3	Horizontal	154	1.53	-
2480MHz	Pass	AV	2.4835G	46.29	54.00	-7.71	31.58	3	Horizontal	154	1.53	-
2480MHz	Pass	PK	2.4798G	104.45	Inf	-Inf	31.57	3	Horizontal	154	1.53	-
2480MHz	Pass	PK	2.4838G	59.43	74.00	-14.57	31.58	3	Horizontal	154	1.53	-
2480MHz	Pass	AV	4.95991G	35.97	54.00	-18.03	-3.63	3	Vertical	207	2.99	-
2480MHz	Pass	PK	4.9604G	46.35	74.00	-27.65	-3.63	3	Vertical	207	2.99	-
2480MHz	Pass	AV	4.95996G	40.21	54.00	-13.79	-3.63	3	Horizontal	351	2.14	-
2480MHz	Pass	PK	4.95942G	48.85	74.00	-25.15	-3.63	3	Horizontal	351	2.14	-
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3574G	43.19	54.00	-10.81	31.64	3	Vertical	166	1.50	-
2402MHz	Pass	AV	2.402G	77.25	Inf	-Inf	31.54	3	Vertical	166	1.50	-
2402MHz	Pass	PK	2.3722G	57.50	74.00	-16.50	31.60	3	Vertical	166	1.50	-
2402MHz	Pass	PK	2.4024G	93.92	Inf	-Inf	31.54	3	Vertical	166	1.50	-
2402MHz	Pass	AV	2.3558G	43.18	54.00	-10.82	31.65	3	Horizontal	171	1.50	-
2402MHz	Pass	AV	2.402G	78.58	Inf	-Inf	31.54	3	Horizontal	171	1.50	-
2402MHz	Pass	PK	2.3688G	56.27	74.00	-17.73	31.61	3	Horizontal	171	1.50	-
2402MHz	Pass	PK	2.4024G	95.76	Inf	-Inf	31.54	3	Horizontal	171	1.50	-
2402MHz	Pass	AV	4.80477G	32.14	54.00	-21.86	-3.94	3	Vertical	209	1.50	-
2402MHz	Pass	PK	4.80417G	45.19	74.00	-28.81	-3.94	3	Vertical	209	1.50	-
2402MHz	Pass	AV	4.80494G	34.12	54.00	-19.88	-3.94	3	Horizontal	39	1.01	-
2402MHz	Pass	PK	4.80493G	47.22	74.00	-26.78	-3.94	3	Horizontal	39	1.01	-
2440MHz	Pass	AV	2.3408G	43.20	54.00	-10.80	31.69	3	Vertical	167	1.50	-
2440MHz	Pass	AV	2.44G	78.59	Inf	-Inf	31.55	3	Vertical	167	1.50	-
2440MHz	Pass	AV	2.4964G	43.48	54.00	-10.52	31.57	3	Vertical	167	1.50	-
2440MHz	Pass	PK	2.3812G	56.45	74.00	-17.55	31.59	3	Vertical	167	1.50	-
2440MHz	Pass	PK	2.4404G	95.67	Inf	-Inf	31.55	3	Vertical	167	1.50	-
2440MHz	Pass	PK	2.4976G	56.76	74.00	-17.24	31.58	3	Vertical	167	1.50	-
2440MHz	Pass	AV	2.348G	43.26	54.00	-10.74	31.67	3	Horizontal	155	1.51	-
2440MHz	Pass	AV	2.44G	83.28	Inf	-Inf	31.55	3	Horizontal	155	1.51	-
2440MHz	Pass	AV	2.4988G	43.50	54.00	-10.50	31.58	3	Horizontal	155	1.51	-
2440MHz	Pass	PK	2.346G	56.55	74.00	-17.45	31.68	3	Horizontal	155	1.51	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2440MHz	Pass	PK	2.4404G	102.28	Inf	-Inf	31.55	3	Horizontal	155	1.51	-
2440MHz	Pass	PK	2.4988G	56.81	74.00	-17.19	31.58	3	Horizontal	155	1.51	-
2440MHz	Pass	AV	4.87896G	30.65	54.00	-23.35	-3.90	3	Vertical	202	1.50	-
2440MHz	Pass	PK	4.87907G	44.58	74.00	-29.42	-3.90	3	Vertical	202	1.50	-
2440MHz	Pass	AV	4.88087G	33.71	54.00	-20.29	-3.90	3	Horizontal	357	2.17	-
2440MHz	Pass	PK	4.87903G	47.67	74.00	-26.33	-3.90	3	Horizontal	357	2.17	-
2480MHz	Pass	AV	2.48G	81.36	Inf	-Inf	31.57	3	Vertical	96	2.95	-
2480MHz	Pass	AV	2.4835G	46.97	54.00	-7.03	31.58	3	Vertical	96	2.95	-
2480MHz	Pass	PK	2.4804G	99.48	Inf	-Inf	31.57	3	Vertical	96	2.95	-
2480MHz	Pass	PK	2.4835G	60.53	74.00	-13.47	31.58	3	Vertical	96	2.95	-
2480MHz	Pass	AV	2.48G	84.94	Inf	-Inf	31.57	3	Horizontal	154	1.50	-
2480MHz	Pass	AV	2.4835G	49.66	54.00	-4.34	31.58	3	Horizontal	154	1.50	-
2480MHz	Pass	PK	2.4794G	104.35	Inf	-Inf	31.57	3	Horizontal	154	1.50	-
2480MHz	Pass	PK	2.4835G	64.19	74.00	-9.81	31.58	3	Horizontal	154	1.50	-
2480MHz	Pass	AV	4.96083G	32.18	54.00	-21.82	-3.63	3	Vertical	209	2.99	-
2480MHz	Pass	PK	4.95984G	45.55	74.00	-28.45	-3.63	3	Vertical	209	2.99	-
2480MHz	Pass	AV	4.96083G	34.65	54.00	-19.35	-3.63	3	Horizontal	358	2.12	-
2480MHz	Pass	PK	4.95905G	48.58	74.00	-25.42	-3.63	3	Horizontal	358	2.12	-

BT-LE(0.125Mbps)

27/06/2019

2402MHz_TX

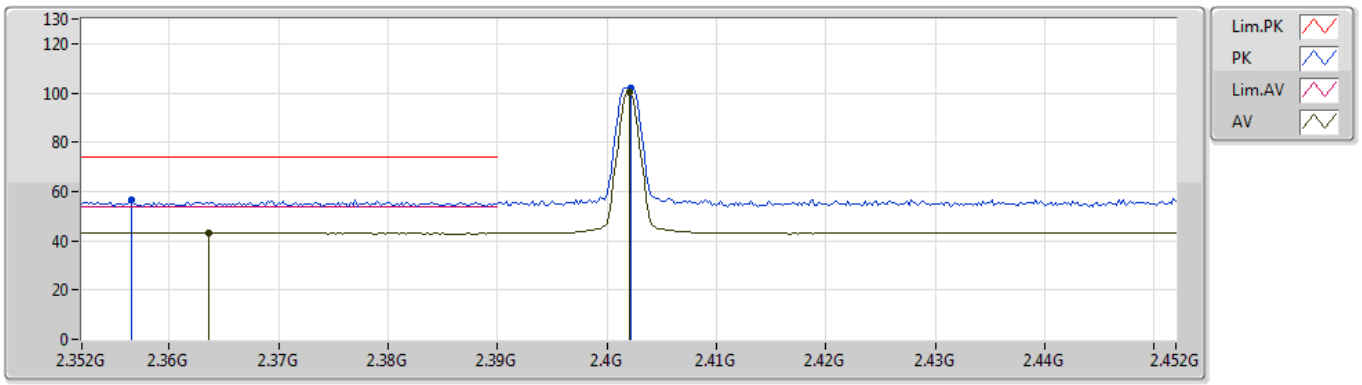


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3568G	43.01	54.00	-10.99	31.64	3	Vertical	167	1.50	-	11.37	27.77	3.87	-
AV	2.402G	91.85	Inf	-Inf	31.54	3	Vertical	167	1.50	-	60.31	27.60	3.94	-
PK	2.369G	56.81	74.00	-17.19	31.61	3	Vertical	167	1.50	-	25.20	27.72	3.89	-
PK	2.4022G	93.70	Inf	-Inf	31.54	3	Vertical	167	1.50	-	62.16	27.60	3.94	-

BT-LE(0.125Mbps)

27/06/2019

2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3636G	43.00	54.00	-11.00	31.63	3	Horizontal	154	1.49	-	11.37	27.75	3.88	-
AV	2.402G	100.12	Inf	-Inf	31.54	3	Horizontal	154	1.49	-	68.58	27.60	3.94	-
PK	2.3566G	56.38	74.00	-17.62	31.64	3	Horizontal	154	1.49	-	24.74	27.77	3.87	-
PK	2.4022G	102.09	Inf	-Inf	31.54	3	Horizontal	154	1.49	-	70.55	27.60	3.94	-

BT-LE(0.125Mbps)

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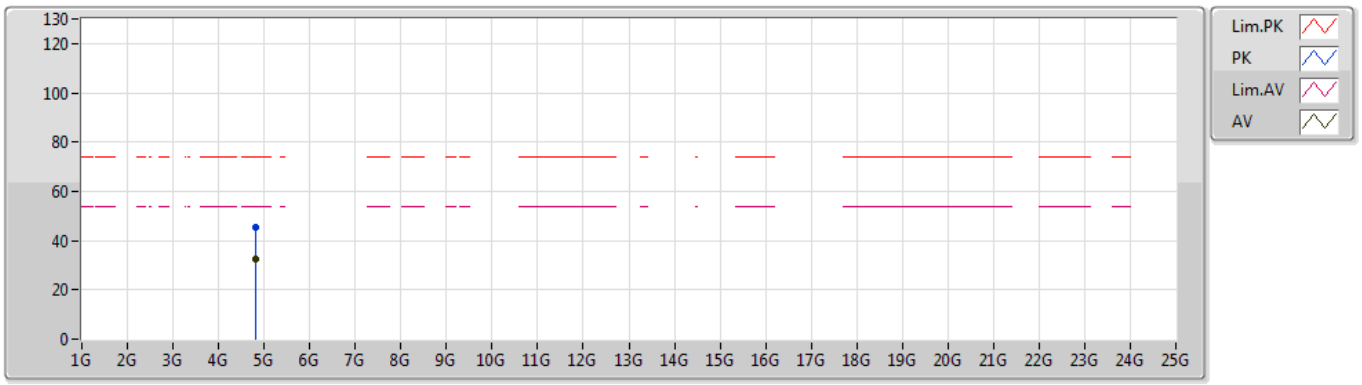
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80359G	32.61	54.00	-21.39	-3.94	3	Vertical	211	1.50	-	36.55	31.10	6.51	41.55
PK	4.80397G	45.34	74.00	-28.66	-3.94	3	Vertical	211	1.50	-	49.28	31.10	6.51	41.55

BT-LE(0.125Mbps)

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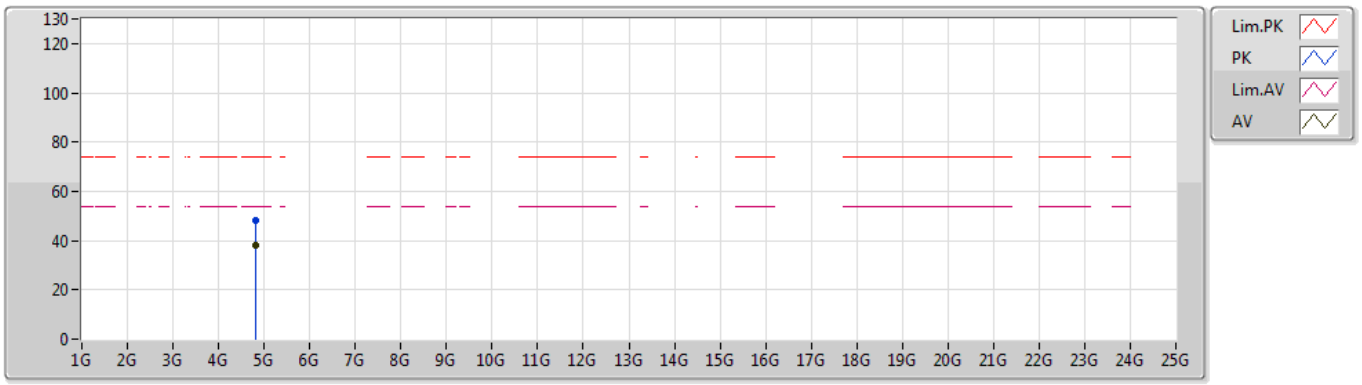
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80396G	38.14	54.00	-15.86	-3.94	3	Horizontal	44	1.00	-	42.08	31.10	6.51	41.55
PK	4.80345G	48.07	74.00	-25.93	-3.94	3	Horizontal	44	1.00	-	52.01	31.10	6.51	41.55

BT-LE(0.125Mbps)

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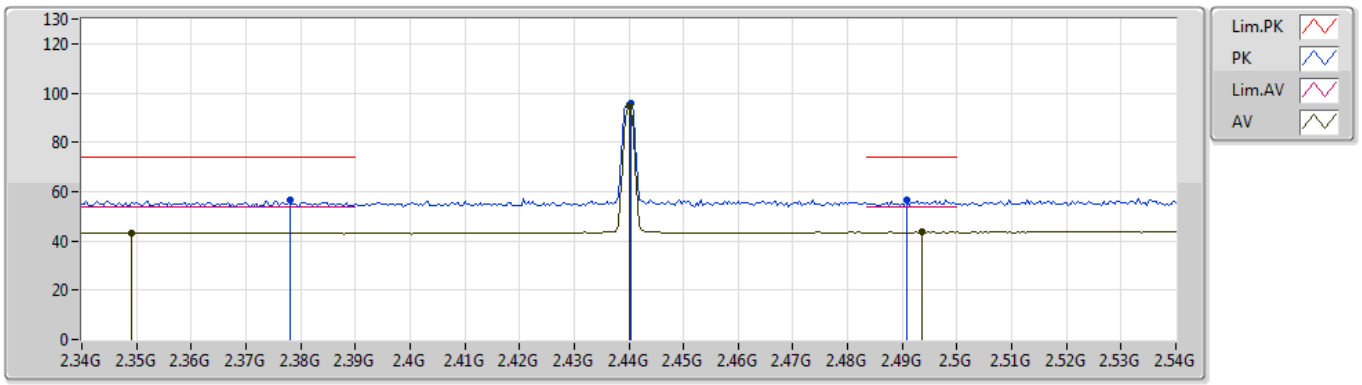
2440MHz_TX

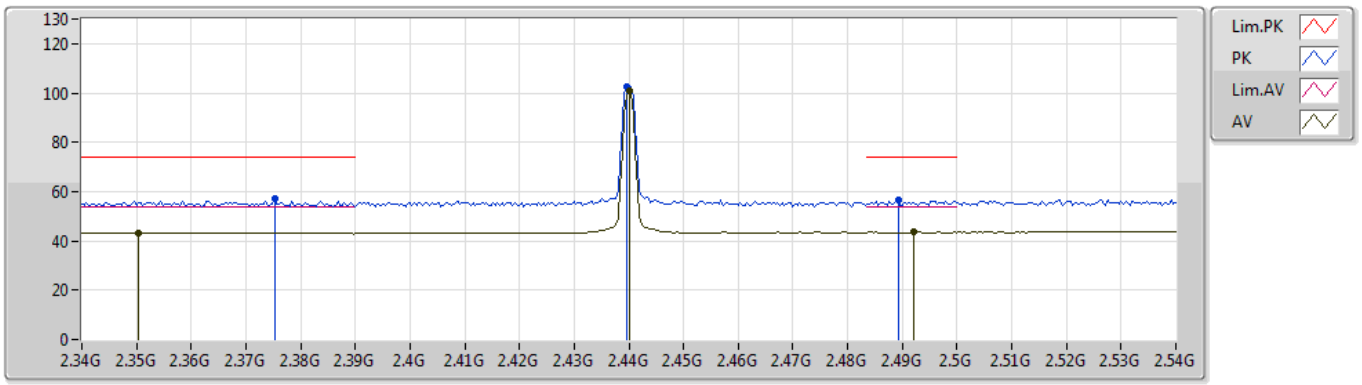


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3492G	43.23	54.00	-10.77	31.66	3	Vertical	166	1.50	-	11.57	27.80	3.86	-
AV	2.44G	94.54	Inf	-Inf	31.55	3	Vertical	166	1.50	-	62.99	27.56	3.99	-
AV	2.4936G	43.51	54.00	-10.49	31.58	3	Vertical	166	1.50	-	11.93	27.51	4.07	-
PK	2.378G	56.33	74.00	-17.67	31.59	3	Vertical	166	1.50	-	24.74	27.69	3.90	-
PK	2.4404G	95.88	Inf	-Inf	31.55	3	Vertical	166	1.50	-	64.33	27.56	3.99	-
PK	2.4908G	56.68	74.00	-17.32	31.58	3	Vertical	166	1.50	-	25.10	27.51	4.07	-

BT-LE(0.125Mbps)

27/06/2019

2440MHz_TX

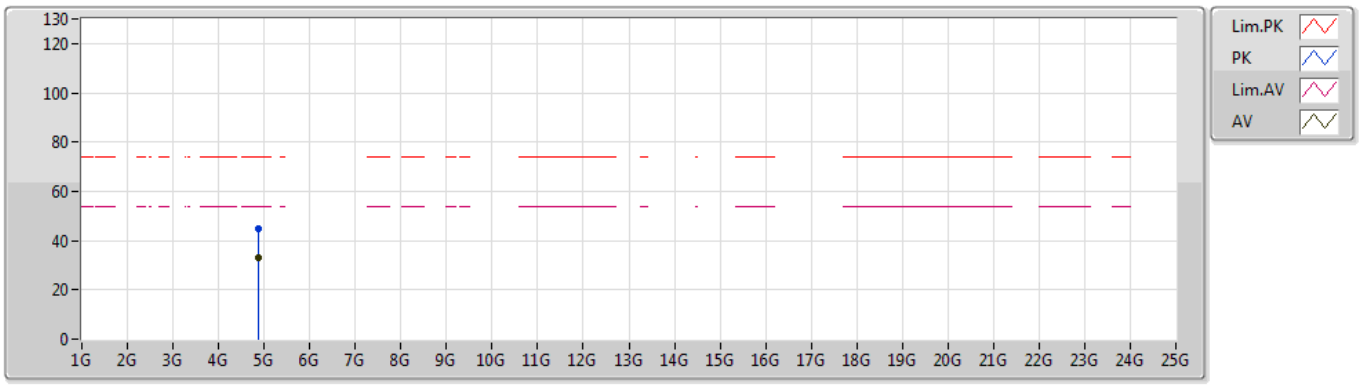


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3504G	43.18	54.00	-10.82	31.66	3	Horizontal	154	1.50	-	11.52	27.80	3.86	-
AV	2.44G	101.11	Inf	-Inf	31.55	3	Horizontal	154	1.50	-	69.56	27.56	3.99	-
AV	2.492G	43.51	54.00	-10.49	31.58	3	Horizontal	154	1.50	-	11.93	27.51	4.07	-
PK	2.3752G	57.38	74.00	-16.62	31.60	3	Horizontal	154	1.50	-	25.78	27.70	3.90	-
PK	2.4396G	102.45	Inf	-Inf	31.55	3	Horizontal	154	1.50	-	70.90	27.56	3.99	-
PK	2.4892G	56.35	74.00	-17.65	31.57	3	Horizontal	154	1.50	-	24.78	27.51	4.06	-

BT-LE(0.125Mbps)

27/06/2019

2440MHz_TX

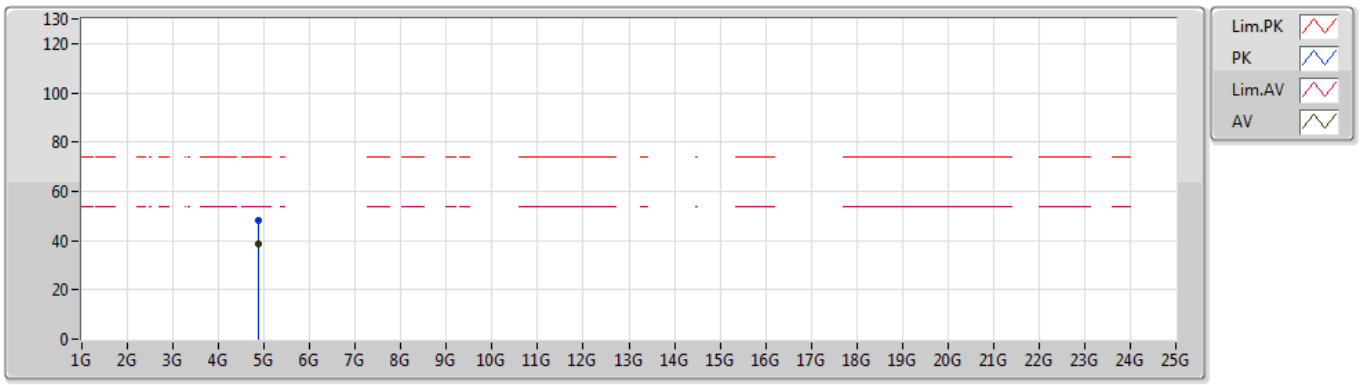


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87995G	32.87	54.00	-21.13	-3.90	3	Vertical	204	1.49	-	36.77	31.10	6.57	41.57
PK	4.87941G	44.74	74.00	-29.26	-3.90	3	Vertical	204	1.49	-	48.64	31.10	6.57	41.57

BT-LE(0.125Mbps)

27/06/2019

2440MHz_TX

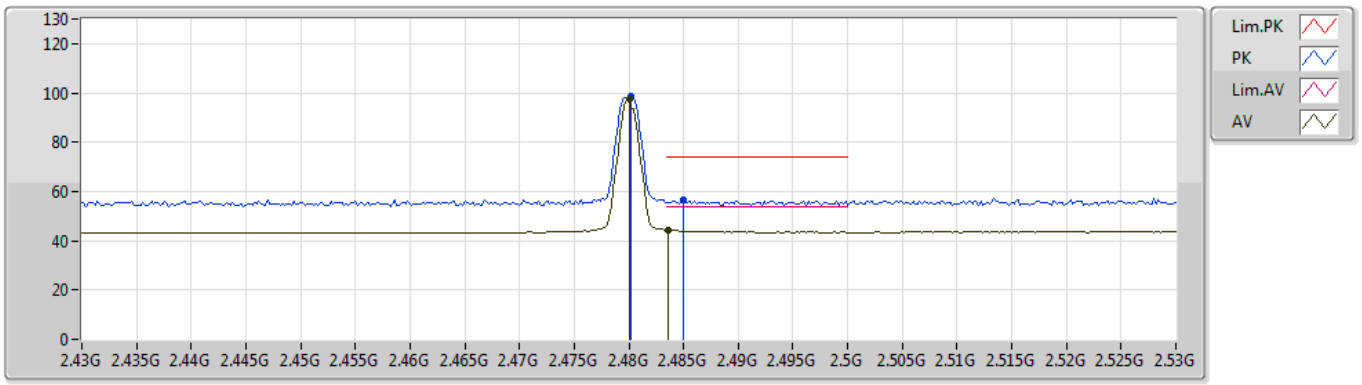


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87994G	38.59	54.00	-15.41	-3.90	3	Horizontal	357	2.09	-	42.49	31.10	6.57	41.57
PK	4.87942G	48.26	74.00	-25.74	-3.90	3	Horizontal	357	2.09	-	52.16	31.10	6.57	41.57

BT-LE(0.125Mbps)

27/06/2019

2480MHz_TX

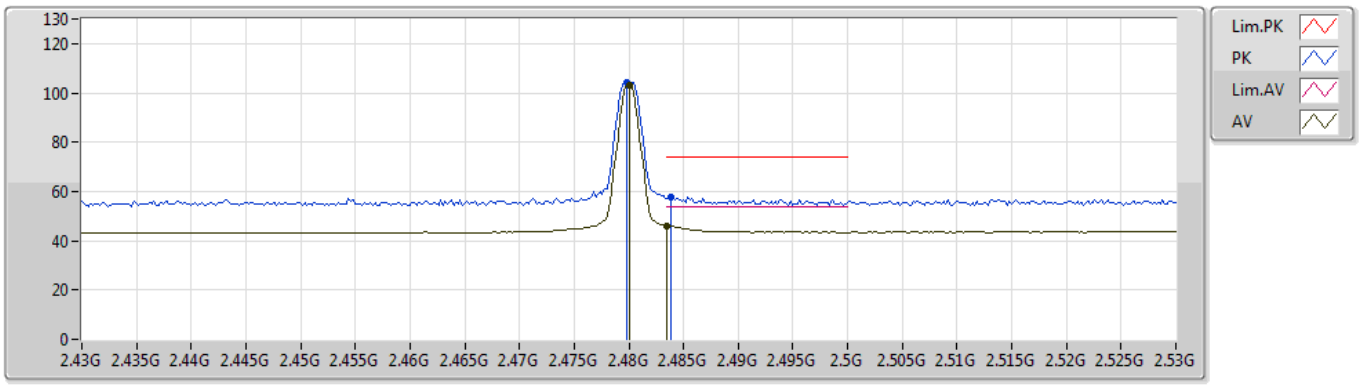


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	97.23	Inf	-Inf	31.57	3	Vertical	96	1.50	-	65.66	27.52	4.05	-
AV	2.4836G	44.23	54.00	-9.77	31.58	3	Vertical	96	1.50	-	12.65	27.52	4.06	-
PK	2.4802G	98.43	Inf	-Inf	31.57	3	Vertical	96	1.50	-	66.86	27.52	4.05	-
PK	2.485G	56.62	74.00	-17.38	31.58	3	Vertical	96	1.50	-	25.04	27.52	4.06	-

BT-LE(0.125Mbps)

27/06/2019

2480MHz_TX

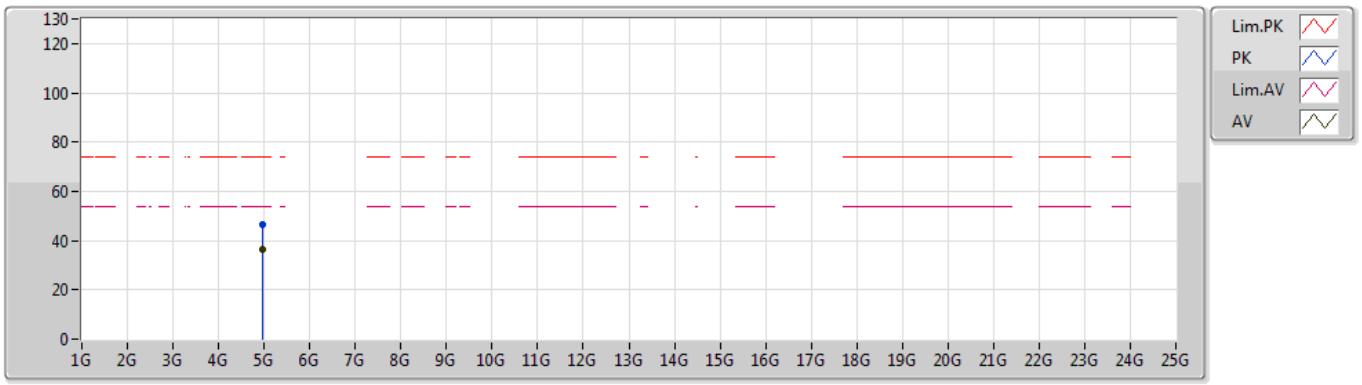


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	103.19	Inf	-Inf	31.57	3	Horizontal	155	1.50	-	71.62	27.52	4.05	-
AV	2.4835G	46.16	54.00	-7.84	31.58	3	Horizontal	155	1.50	-	14.58	27.52	4.06	-
PK	2.4798G	104.32	Inf	-Inf	31.57	3	Horizontal	155	1.50	-	72.75	27.52	4.05	-
PK	2.4838G	57.97	74.00	-16.03	31.58	3	Horizontal	155	1.50	-	26.39	27.52	4.06	-

BT-LE(0.125Mbps)

27/06/2019

2480MHz_TX

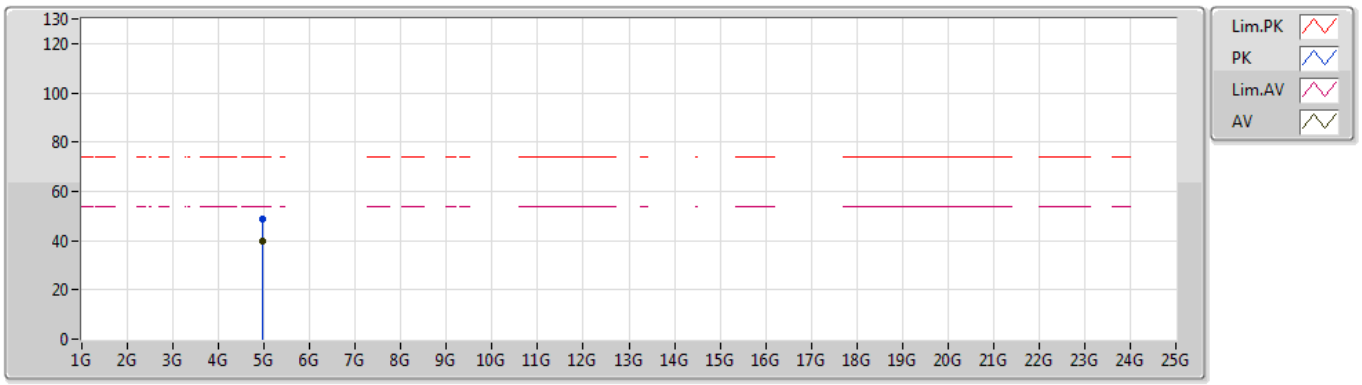


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.96001G	36.29	54.00	-17.71	-3.63	3	Vertical	208	2.99	-	39.92	31.34	6.63	41.60
PK	4.9604G	46.76	74.00	-27.24	-3.63	3	Vertical	208	2.99	-	50.39	31.34	6.63	41.60

BT-LE(0.125Mbps)

27/06/2019

2480MHz_TX

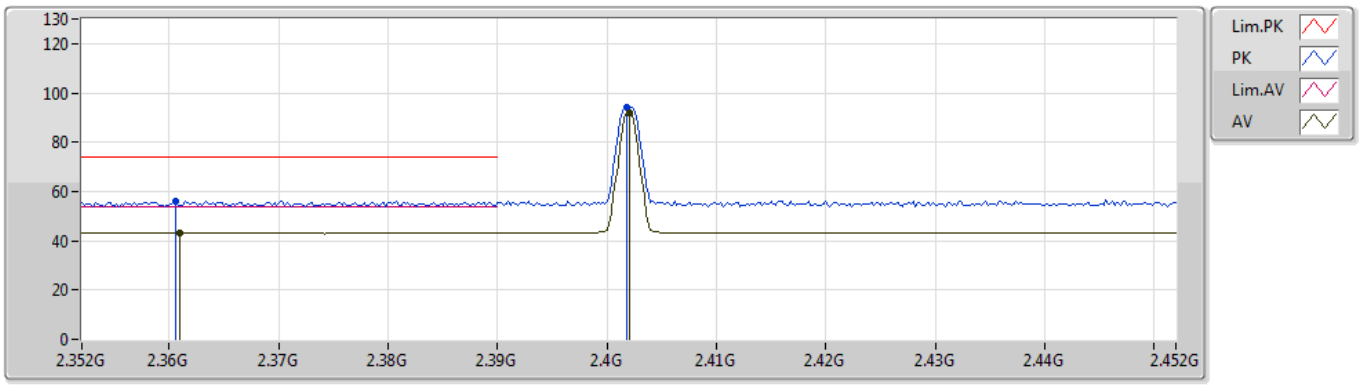


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.95995G	39.82	54.00	-14.18	-3.63	3	Horizontal	351	1.44	-	43.45	31.34	6.63	41.60
PK	4.96037G	48.67	74.00	-25.33	-3.63	3	Horizontal	351	1.44	-	52.30	31.34	6.63	41.60

BT-LE(0.5Mbps)

27/06/2019

2402MHz_TX

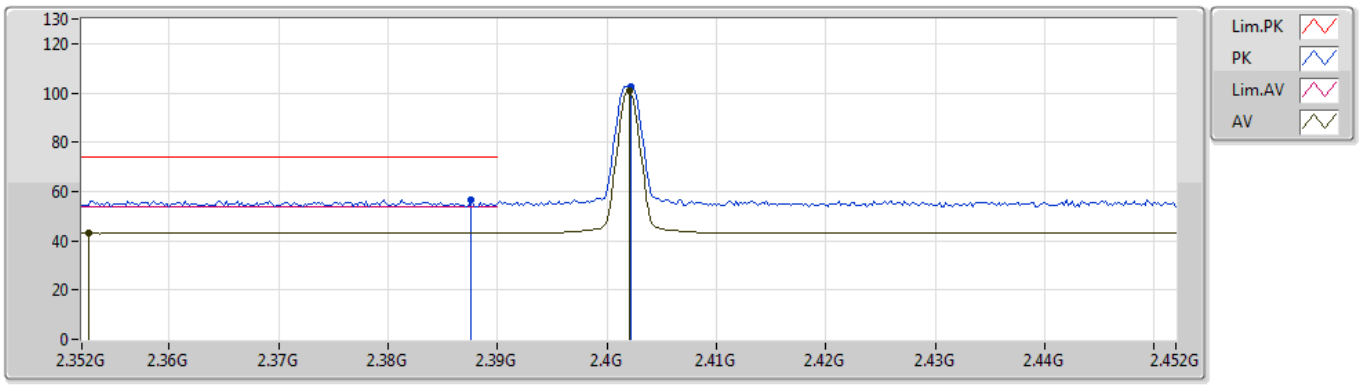


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.361G	43.24	54.00	-10.76	31.64	3	Vertical	167	1.50	-	11.60	27.76	3.88	-
AV	2.402G	92.14	Inf	-Inf	31.54	3	Vertical	167	1.50	-	60.60	27.60	3.94	-
PK	2.3606G	55.90	74.00	-18.10	31.64	3	Vertical	167	1.50	-	24.26	27.76	3.88	-
PK	2.4018G	93.99	Inf	-Inf	31.54	3	Vertical	167	1.50	-	62.45	27.60	3.94	-

BT-LE(0.5Mbps)

27/06/2019

2402MHz_TX

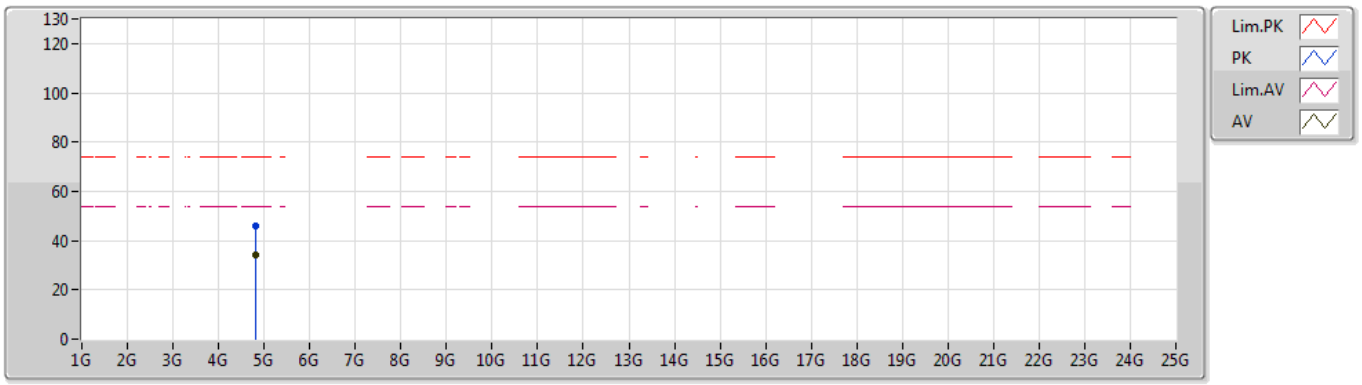


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3526G	43.19	54.00	-10.81	31.65	3	Horizontal	155	1.48	-	11.54	27.79	3.86	-
AV	2.402G	100.62	Inf	-Inf	31.54	3	Horizontal	155	1.48	-	69.08	27.60	3.94	-
PK	2.3876G	56.68	74.00	-17.32	31.57	3	Horizontal	155	1.48	-	25.11	27.65	3.92	-
PK	2.4022G	102.46	Inf	-Inf	31.54	3	Horizontal	155	1.48	-	70.92	27.60	3.94	-

BT-LE(0.5Mbps)

27/06/2019

2402MHz_TX

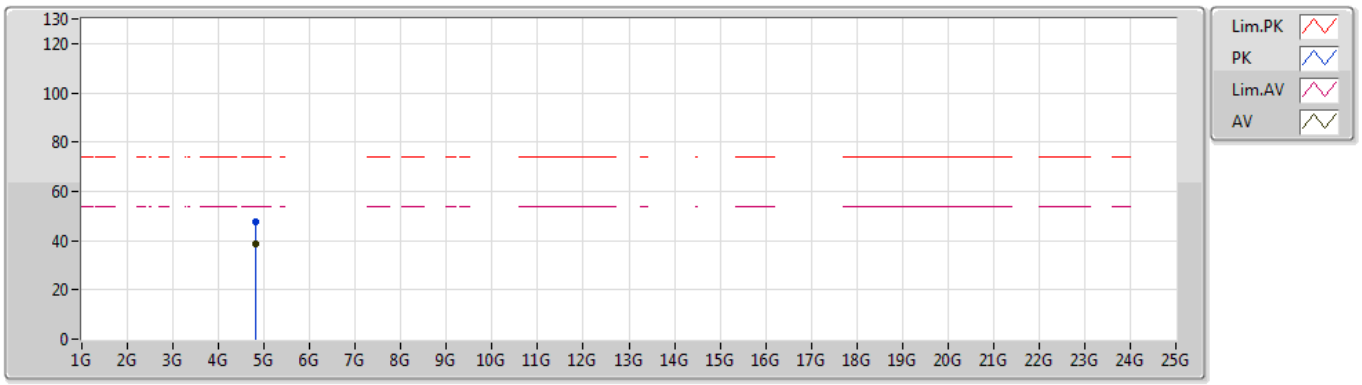


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80391G	34.03	54.00	-19.97	-3.94	3	Vertical	208	1.88	-	37.97	31.10	6.51	41.55
PK	4.80349G	45.79	74.00	-28.21	-3.94	3	Vertical	208	1.88	-	49.73	31.10	6.51	41.55

BT-LE(0.5Mbps)

27/06/2019

2402MHz_TX

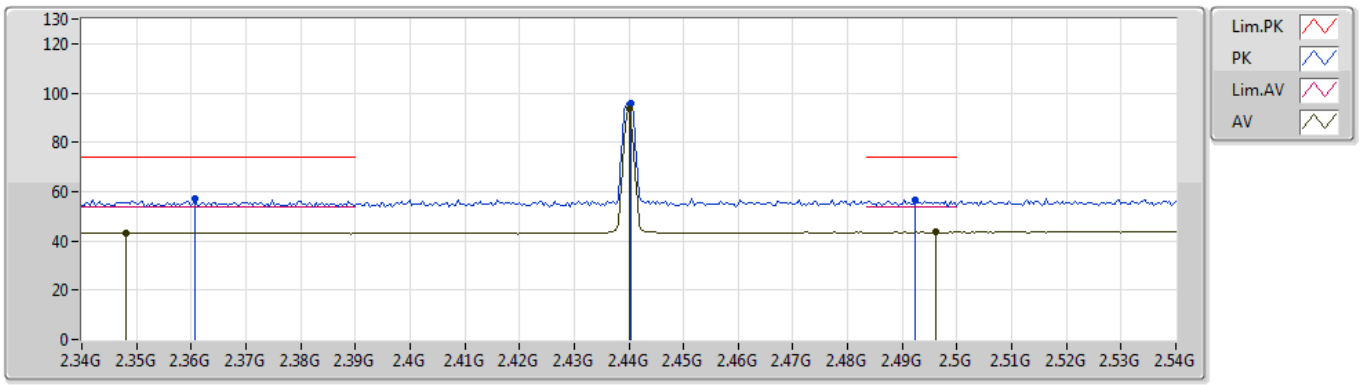


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80396G	38.81	54.00	-15.19	-3.94	3	Horizontal	40	1.01	-	42.75	31.10	6.51	41.55
PK	4.80364G	47.89	74.00	-26.11	-3.94	3	Horizontal	40	1.01	-	51.83	31.10	6.51	41.55

BT-LE(0.5Mbps)

2440MHz_TX

27/06/2019

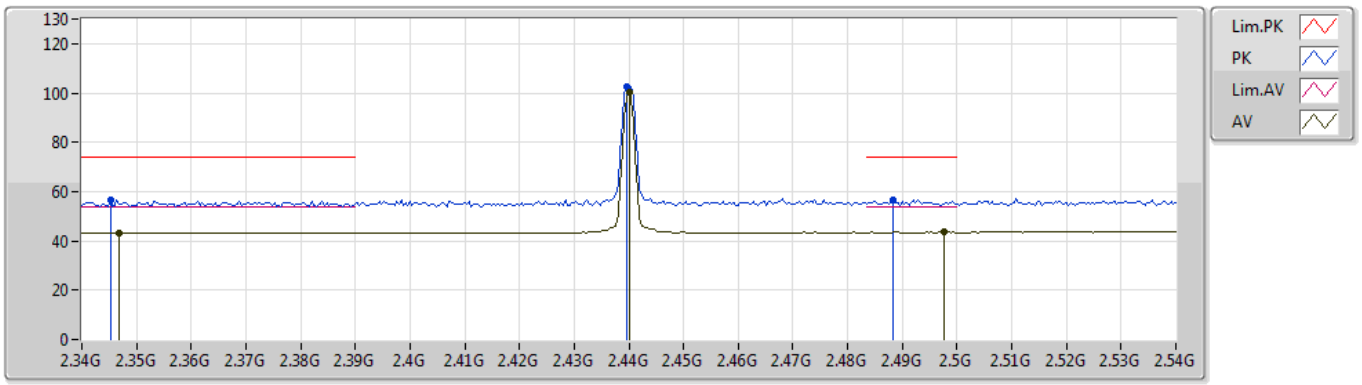


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.348G	43.17	54.00	-10.83	31.67	3	Vertical	165	1.50	-	11.50	27.81	3.86	-
AV	2.44G	93.75	Inf	-Inf	31.55	3	Vertical	165	1.50	-	62.20	27.56	3.99	-
AV	2.496G	43.48	54.00	-10.52	31.57	3	Vertical	165	1.50	-	11.91	27.50	4.07	-
PK	2.3608G	57.04	74.00	-16.96	31.64	3	Vertical	165	1.50	-	25.40	27.76	3.88	-
PK	2.4404G	95.67	Inf	-Inf	31.55	3	Vertical	165	1.50	-	64.12	27.56	3.99	-
PK	2.4924G	56.41	74.00	-17.59	31.58	3	Vertical	165	1.50	-	24.83	27.51	4.07	-

BT-LE(0.5Mbps)

27/06/2019

2440MHz_TX

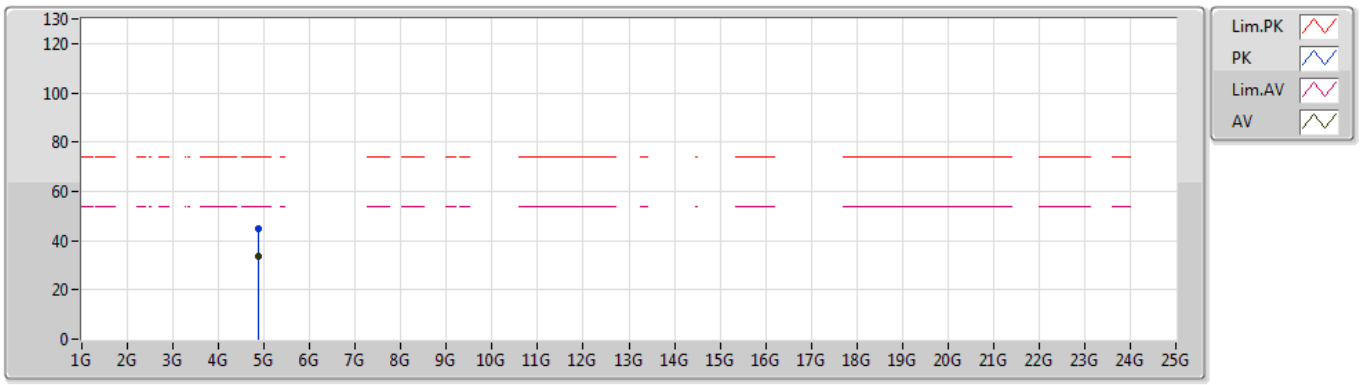


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3468G	43.25	54.00	-10.75	31.67	3	Horizontal	152	1.52	-	11.58	27.81	3.86	-
AV	2.44G	100.55	Inf	-Inf	31.55	3	Horizontal	152	1.52	-	69.00	27.56	3.99	-
AV	2.4976G	43.49	54.00	-10.51	31.58	3	Horizontal	152	1.52	-	11.91	27.50	4.08	-
PK	2.3452G	56.61	74.00	-17.39	31.67	3	Horizontal	152	1.52	-	24.94	27.82	3.85	-
PK	2.4396G	102.38	Inf	-Inf	31.55	3	Horizontal	152	1.52	-	70.83	27.56	3.99	-
PK	2.4884G	56.76	74.00	-17.24	31.57	3	Horizontal	152	1.52	-	25.19	27.51	4.06	-

BT-LE(0.5Mbps)

27/06/2019

2440MHz_TX

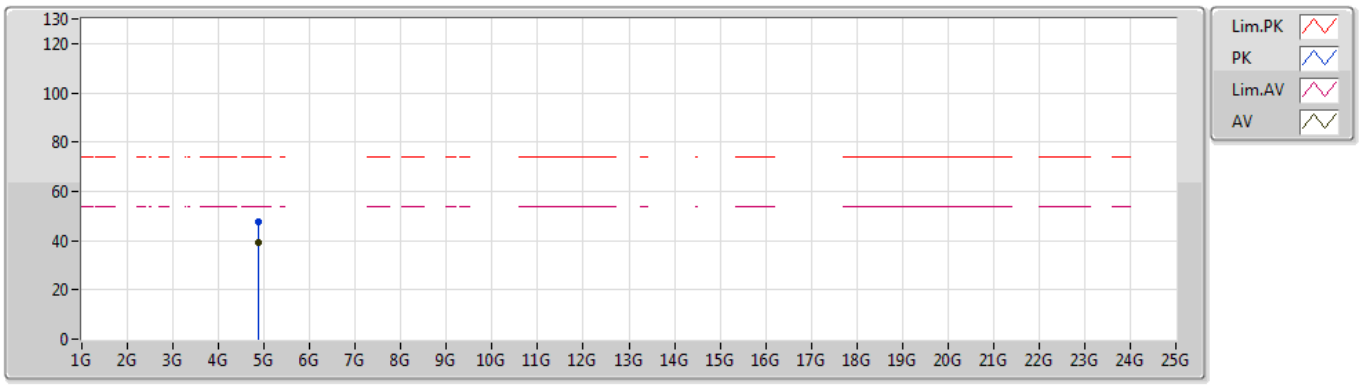


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87996G	33.50	54.00	-20.50	-3.90	3	Vertical	204	1.45	-	37.40	31.10	6.57	41.57
PK	4.88022G	45.07	74.00	-28.93	-3.90	3	Vertical	204	1.45	-	48.97	31.10	6.57	41.57

BT-LE(0.5Mbps)

27/06/2019

2440MHz_TX

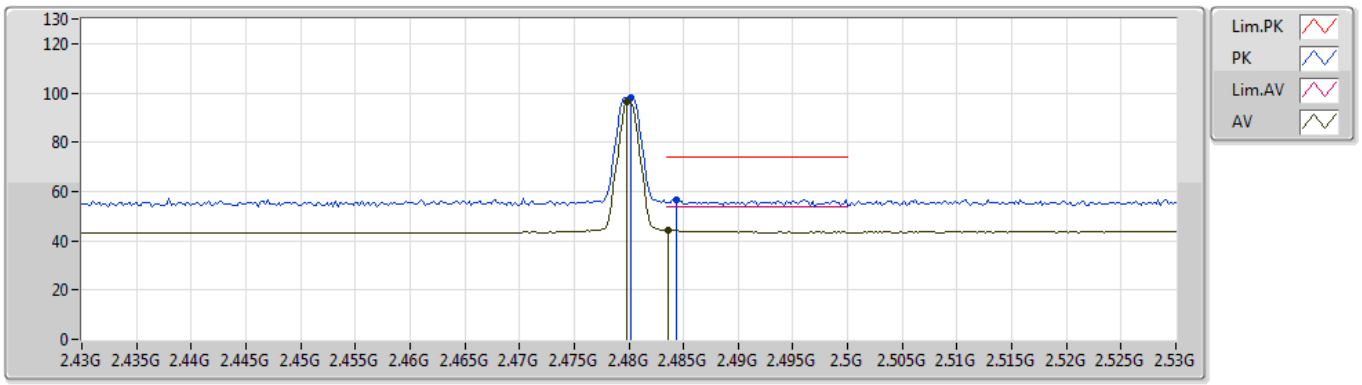


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87995G	39.02	54.00	-14.98	-3.90	3	Horizontal	358	2.16	-	42.92	31.10	6.57	41.57
PK	4.87953G	47.73	74.00	-26.27	-3.90	3	Horizontal	358	2.16	-	51.63	31.10	6.57	41.57

BT-LE(0.5Mbps)

27/06/2019

2480MHz_TX

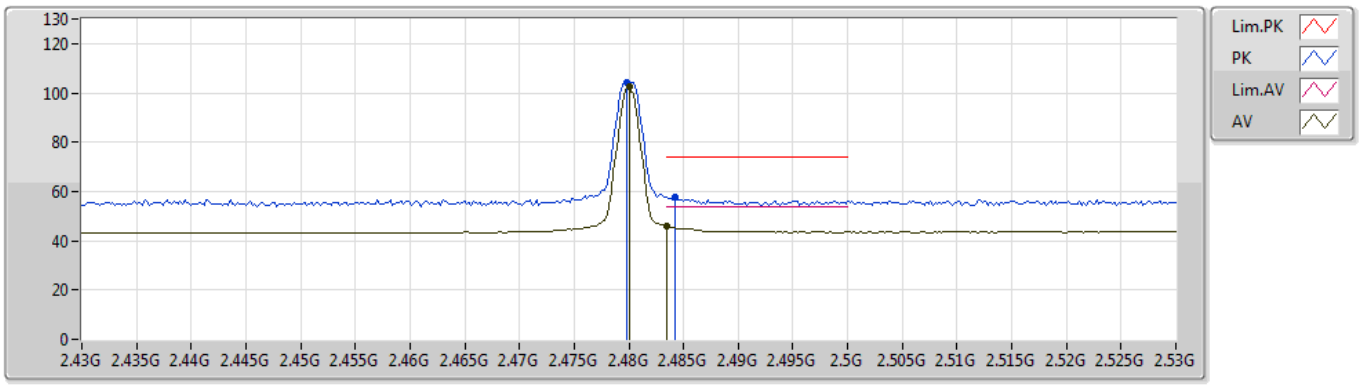


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4798G	96.16	Inf	-Inf	31.57	3	Vertical	96	1.50	-	64.59	27.52	4.05	-
AV	2.4836G	44.18	54.00	-9.82	31.58	3	Vertical	96	1.50	-	12.60	27.52	4.06	-
PK	2.4802G	98.32	Inf	-Inf	31.57	3	Vertical	96	1.50	-	66.75	27.52	4.05	-
PK	2.4844G	56.59	74.00	-17.41	31.58	3	Vertical	96	1.50	-	25.01	27.52	4.06	-

BT-LE(0.5Mbps)

27/06/2019

2480MHz_TX

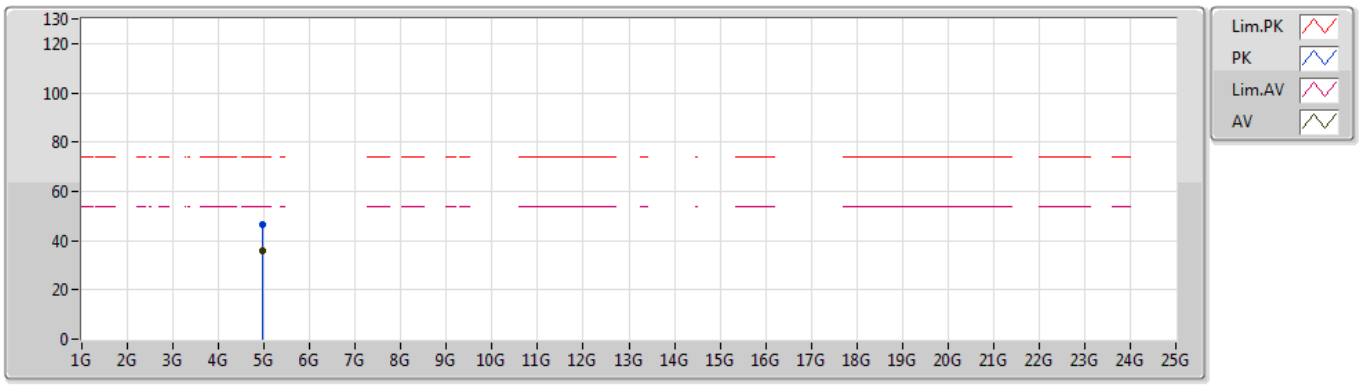


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	102.43	Inf	-Inf	31.57	3	Horizontal	155	1.49	-	70.86	27.52	4.05	-
AV	2.4835G	45.83	54.00	-8.17	31.58	3	Horizontal	155	1.49	-	14.25	27.52	4.06	-
PK	2.4798G	104.37	Inf	-Inf	31.57	3	Horizontal	155	1.49	-	72.80	27.52	4.05	-
PK	2.4842G	57.75	74.00	-16.25	31.58	3	Horizontal	155	1.49	-	26.17	27.52	4.06	-

BT-LE(0.5Mbps)

27/06/2019

2480MHz_TX

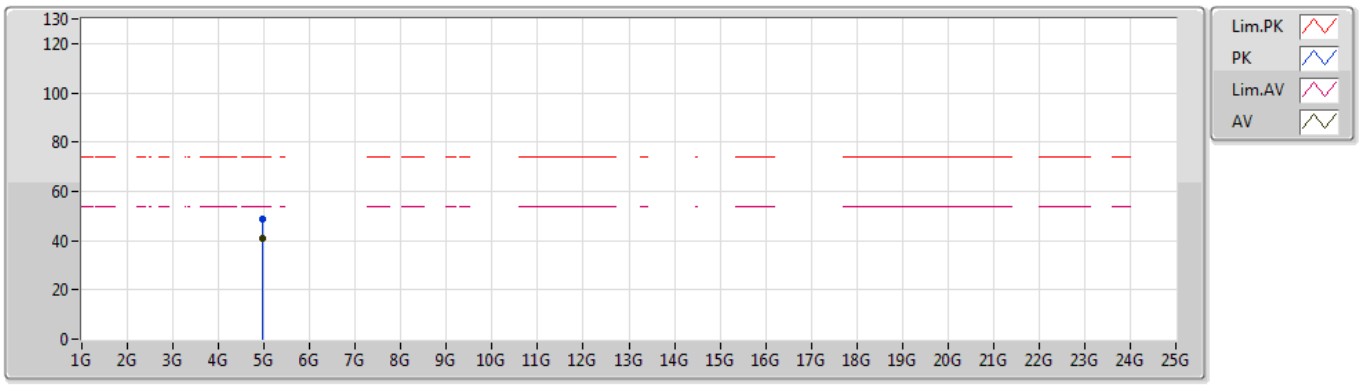


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.96003G	35.67	54.00	-18.33	-3.63	3	Vertical	214	2.27	-	39.30	31.34	6.63	41.60
PK	4.9596G	46.78	74.00	-27.22	-3.63	3	Vertical	214	2.27	-	50.41	31.34	6.63	41.60

BT-LE(0.5Mbps)

27/06/2019

2480MHz_TX

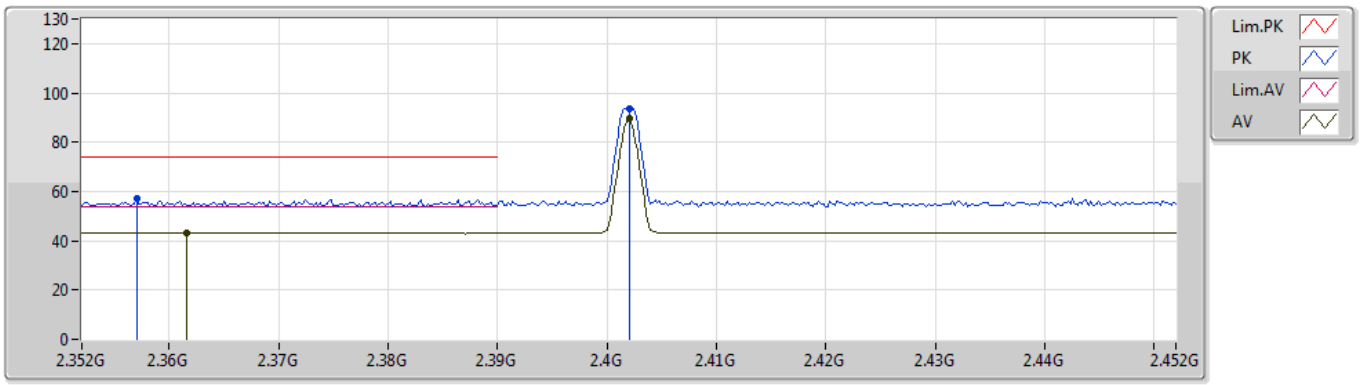


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.96G	40.72	54.00	-13.28	-3.63	3	Horizontal	352	2.14	-	44.35	31.34	6.63	41.60
PK	4.96018G	48.83	74.00	-25.17	-3.63	3	Horizontal	352	2.14	-	52.46	31.34	6.63	41.60

BT-LE(1Mbps)

27/06/2019

2402MHz_TX

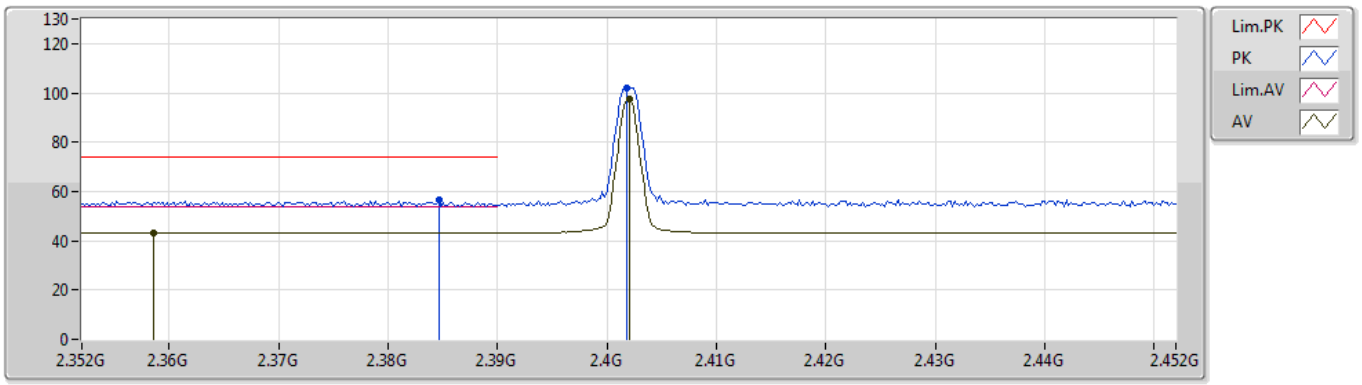


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3616G	43.28	54.00	-10.72	31.63	3	Vertical	163	1.50	-	11.65	27.75	3.88	-
AV	2.402G	89.42	Inf	-Inf	31.54	3	Vertical	163	1.50	-	57.88	27.60	3.94	-
PK	2.357G	57.05	74.00	-16.95	31.64	3	Vertical	163	1.50	-	25.41	27.77	3.87	-
PK	2.402G	93.74	Inf	-Inf	31.54	3	Vertical	163	1.50	-	62.20	27.60	3.94	-

BT-LE(1Mbps)

27/06/2019

2402MHz_TX

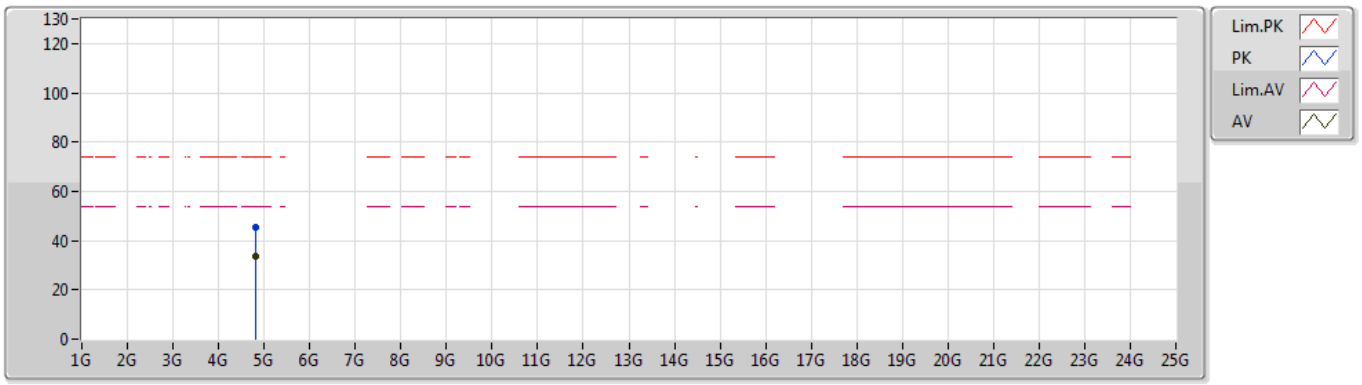


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3586G	43.24	54.00	-10.76	31.64	3	Horizontal	305	1.50	-	11.60	27.77	3.87	-
AV	2.402G	97.27	Inf	-Inf	31.54	3	Horizontal	305	1.50	-	65.73	27.60	3.94	-
PK	2.3846G	56.37	74.00	-17.63	31.57	3	Horizontal	305	1.50	-	24.80	27.66	3.91	-
PK	2.4018G	102.16	Inf	-Inf	31.54	3	Horizontal	305	1.50	-	70.62	27.60	3.94	-

BT-LE(1Mbps)

27/06/2019

2402MHz_TX

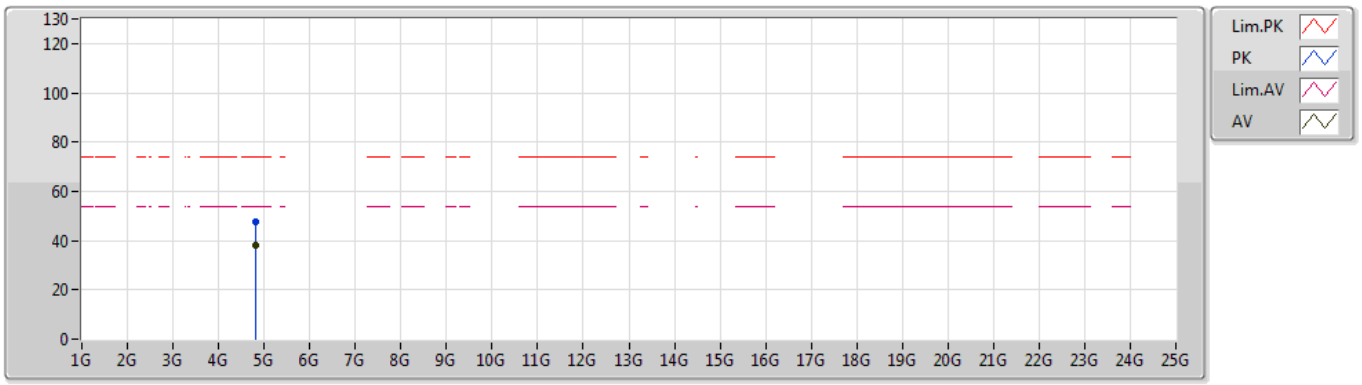


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80393G	33.44	54.00	-20.56	-3.94	3	Vertical	207	1.50	-	37.38	31.10	6.51	41.55
PK	4.8035G	45.36	74.00	-28.64	-3.94	3	Vertical	207	1.50	-	49.30	31.10	6.51	41.55

BT-LE(1Mbps)

27/06/2019

2402MHz_TX

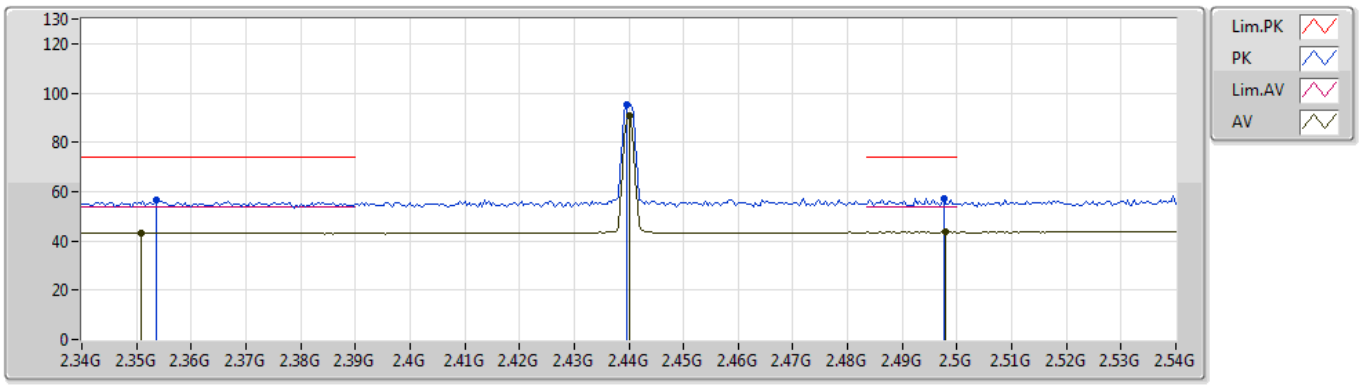


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.804G	38.17	54.00	-15.83	-3.94	3	Horizontal	42	1.00	-	42.11	31.10	6.51	41.55
PK	4.80353G	47.77	74.00	-26.23	-3.94	3	Horizontal	42	1.00	-	51.71	31.10	6.51	41.55

BT-LE(1Mbps)

2440MHz_TX

27/06/2019

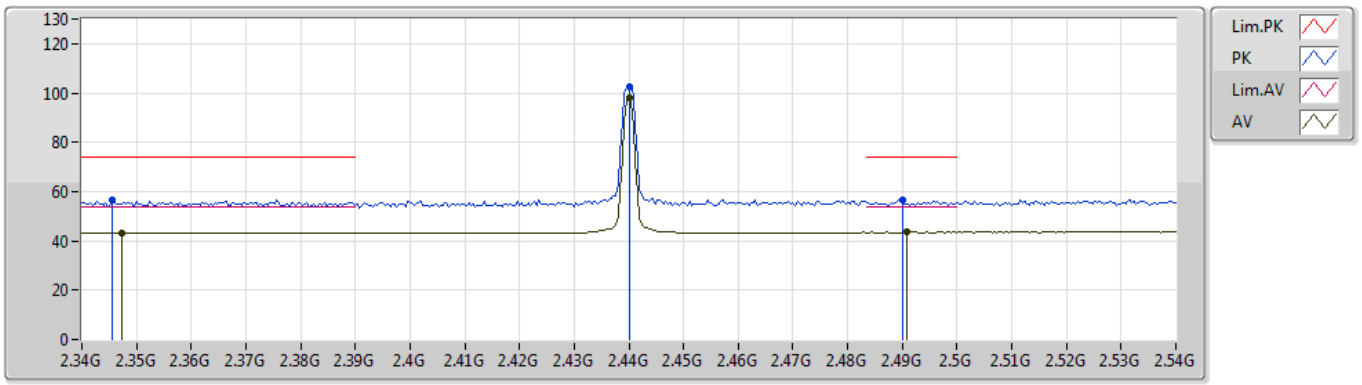


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3508G	43.20	54.00	-10.80	31.66	3	Vertical	166	1.51	-	11.54	27.80	3.86	-
AV	2.44G	90.93	Inf	-Inf	31.55	3	Vertical	166	1.51	-	59.38	27.56	3.99	-
AV	2.498G	43.55	54.00	-10.45	31.58	3	Vertical	166	1.51	-	11.97	27.50	4.08	-
PK	2.3536G	56.35	74.00	-17.65	31.66	3	Vertical	166	1.51	-	24.69	27.79	3.87	-
PK	2.4396G	95.45	Inf	-Inf	31.55	3	Vertical	166	1.51	-	63.90	27.56	3.99	-
PK	2.4976G	57.25	74.00	-16.75	31.58	3	Vertical	166	1.51	-	25.67	27.50	4.08	-

BT-LE(1Mbps)

2440MHz_TX

27/06/2019

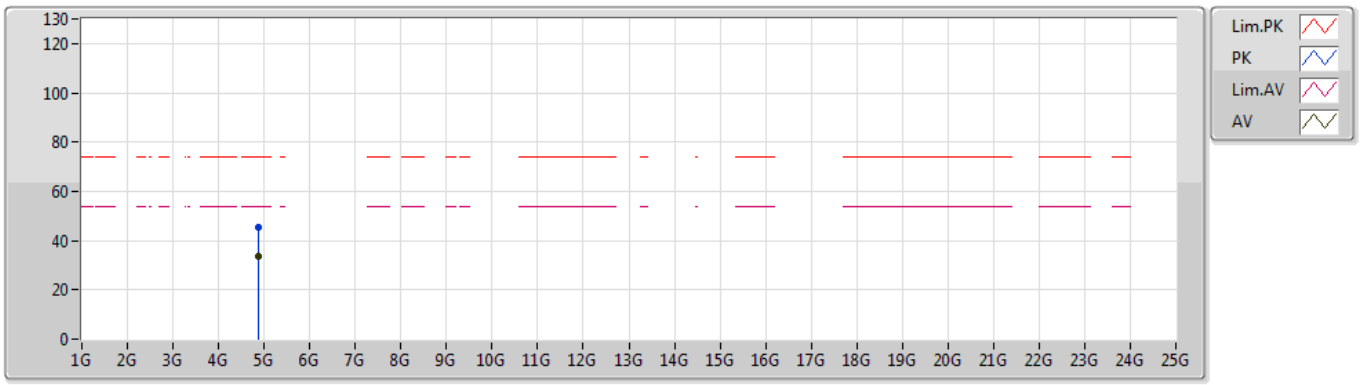


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3472G	43.19	54.00	-10.81	31.67	3	Horizontal	154	1.50	-	11.52	27.81	3.86	-
AV	2.44G	97.91	Inf	-Inf	31.55	3	Horizontal	154	1.50	-	66.36	27.56	3.99	-
AV	2.4908G	43.55	54.00	-10.45	31.58	3	Horizontal	154	1.50	-	11.97	27.51	4.07	-
PK	2.3456G	56.66	74.00	-17.34	31.67	3	Horizontal	154	1.50	-	24.99	27.82	3.85	-
PK	2.44G	102.76	Inf	-Inf	31.55	3	Horizontal	154	1.50	-	71.21	27.56	3.99	-
PK	2.49G	56.67	74.00	-17.33	31.58	3	Horizontal	154	1.50	-	25.09	27.51	4.07	-

BT-LE(1Mbps)

27/06/2019

2440MHz_TX

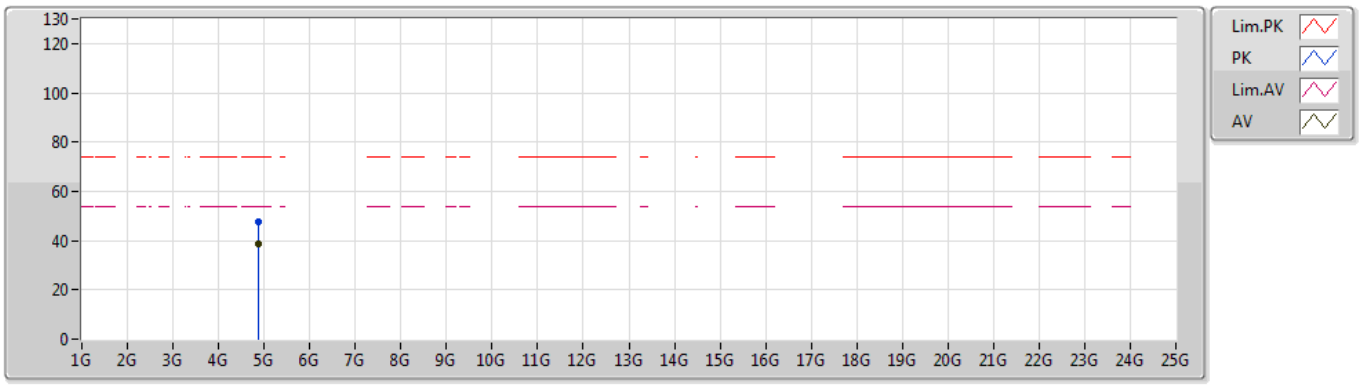


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87991G	33.37	54.00	-20.63	-3.90	3	Vertical	207	1.93	-	37.27	31.10	6.57	41.57
PK	4.87934G	45.26	74.00	-28.74	-3.90	3	Vertical	207	1.93	-	49.16	31.10	6.57	41.57

BT-LE(1Mbps)

27/06/2019

2440MHz_TX

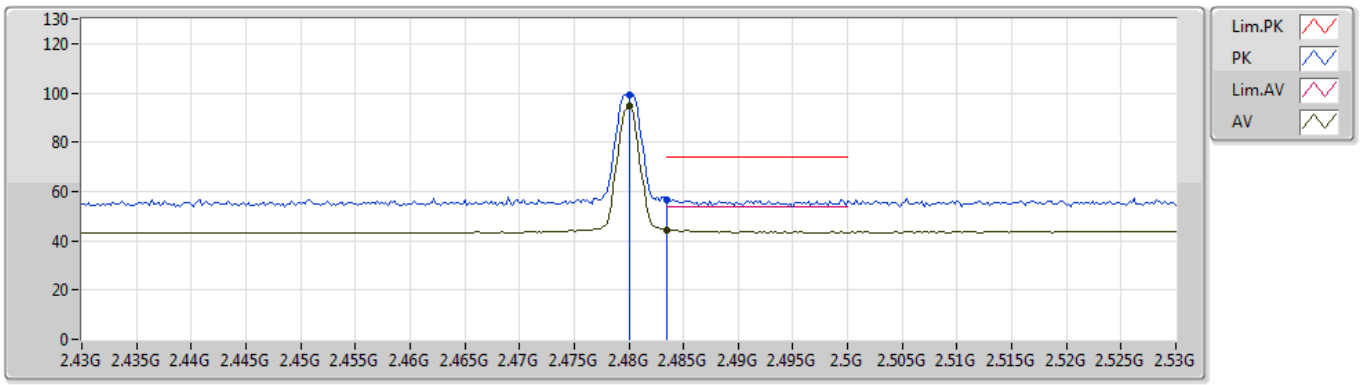


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87995G	38.60	54.00	-15.40	-3.90	3	Horizontal	358	2.16	-	42.50	31.10	6.57	41.57
PK	4.87945G	47.81	74.00	-26.19	-3.90	3	Horizontal	358	2.16	-	51.71	31.10	6.57	41.57

BT-LE(1Mbps)

27/06/2019

2480MHz_TX

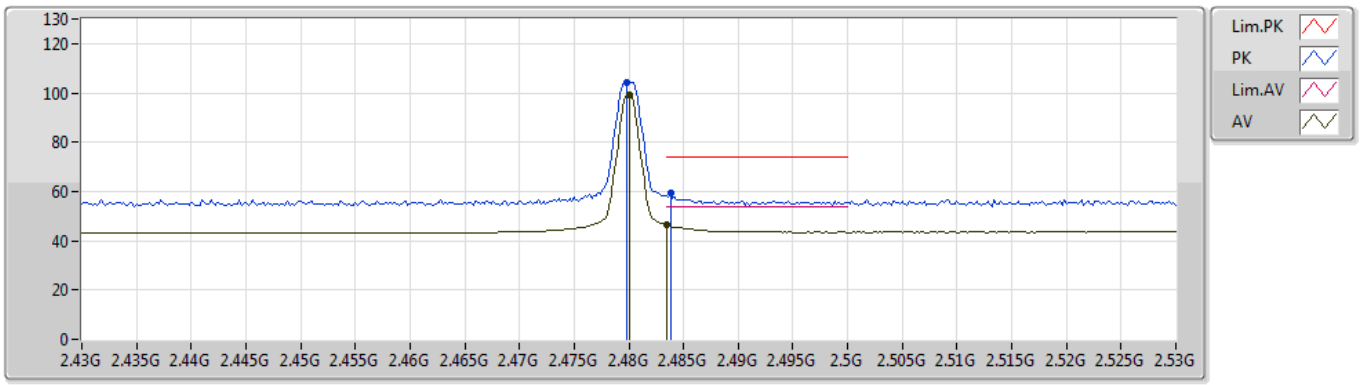


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	94.82	Inf	-Inf	31.57	3	Vertical	98	1.79	-	63.25	27.52	4.05	-
AV	2.4835G	44.39	54.00	-9.61	31.58	3	Vertical	98	1.79	-	12.81	27.52	4.06	-
PK	2.48G	99.41	Inf	-Inf	31.57	3	Vertical	98	1.79	-	67.84	27.52	4.05	-
PK	2.4835G	56.57	74.00	-17.43	31.58	3	Vertical	98	1.79	-	24.99	27.52	4.06	-

BT-LE(1Mbps)

27/06/2019

2480MHz_TX

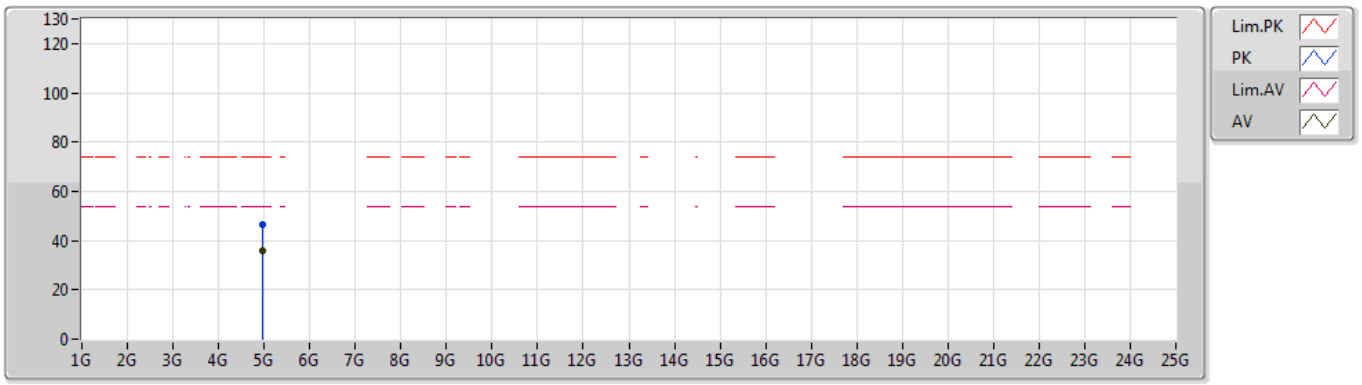


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	99.42	Inf	-Inf	31.57	3	Horizontal	154	1.53	-	67.85	27.52	4.05	-
AV	2.4835G	46.29	54.00	-7.71	31.58	3	Horizontal	154	1.53	-	14.71	27.52	4.06	-
PK	2.4798G	104.45	Inf	-Inf	31.57	3	Horizontal	154	1.53	-	72.88	27.52	4.05	-
PK	2.4838G	59.43	74.00	-14.57	31.58	3	Horizontal	154	1.53	-	27.85	27.52	4.06	-

BT-LE(1Mbps)

27/06/2019

2480MHz_TX

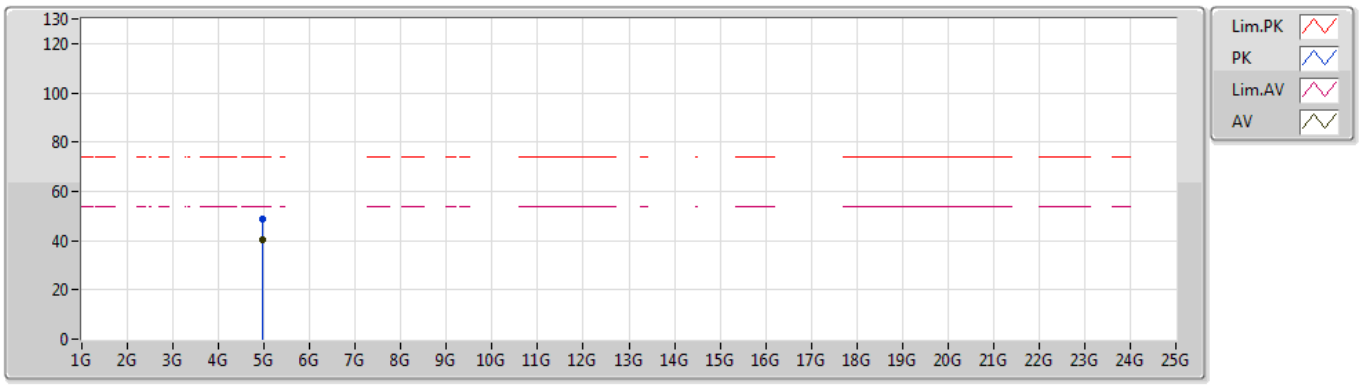


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.95991G	35.97	54.00	-18.03	-3.63	3	Vertical	207	2.99	-	39.60	31.34	6.63	41.60
PK	4.9604G	46.35	74.00	-27.65	-3.63	3	Vertical	207	2.99	-	49.98	31.34	6.63	41.60

BT-LE(1Mbps)

27/06/2019

2480MHz_TX

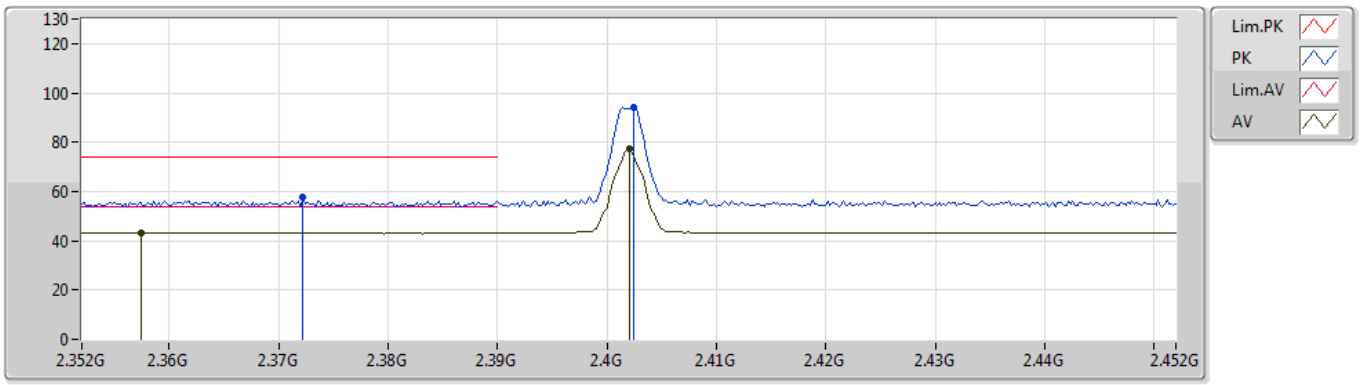


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.95996G	40.21	54.00	-13.79	-3.63	3	Horizontal	351	2.14	-	43.84	31.34	6.63	41.60
PK	4.95942G	48.85	74.00	-25.15	-3.63	3	Horizontal	351	2.14	-	52.48	31.34	6.63	41.60

BT-LE(2Mbps)

27/06/2019

2402MHz_TX

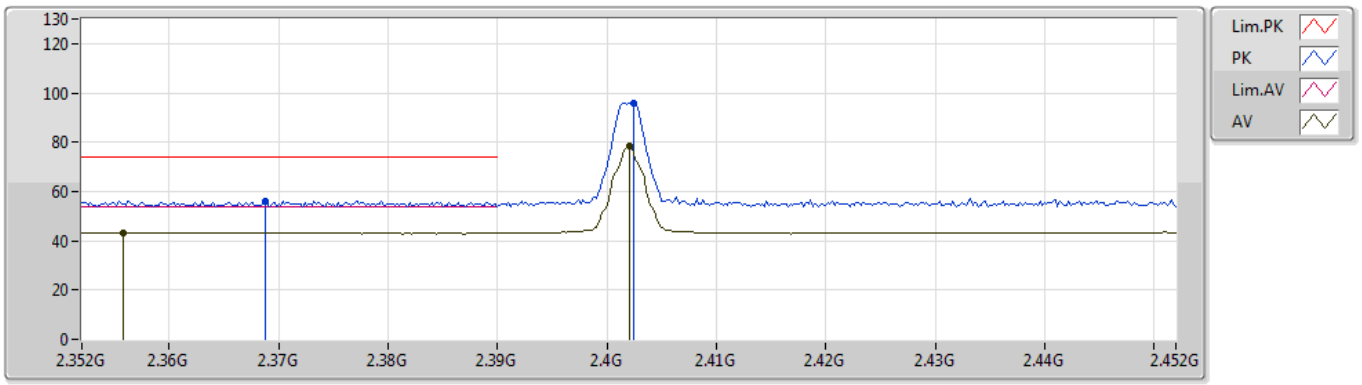


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3574G	43.19	54.00	-10.81	31.64	3	Vertical	166	1.50	-	11.55	27.77	3.87	-
AV	2.402G	77.25	Inf	-Inf	31.54	3	Vertical	166	1.50	-	45.71	27.60	3.94	-
PK	2.3722G	57.50	74.00	-16.50	31.60	3	Vertical	166	1.50	-	25.90	27.71	3.89	-
PK	2.4024G	93.92	Inf	-Inf	31.54	3	Vertical	166	1.50	-	62.38	27.60	3.94	-

BT-LE(2Mbps)

27/06/2019

2402MHz_TX

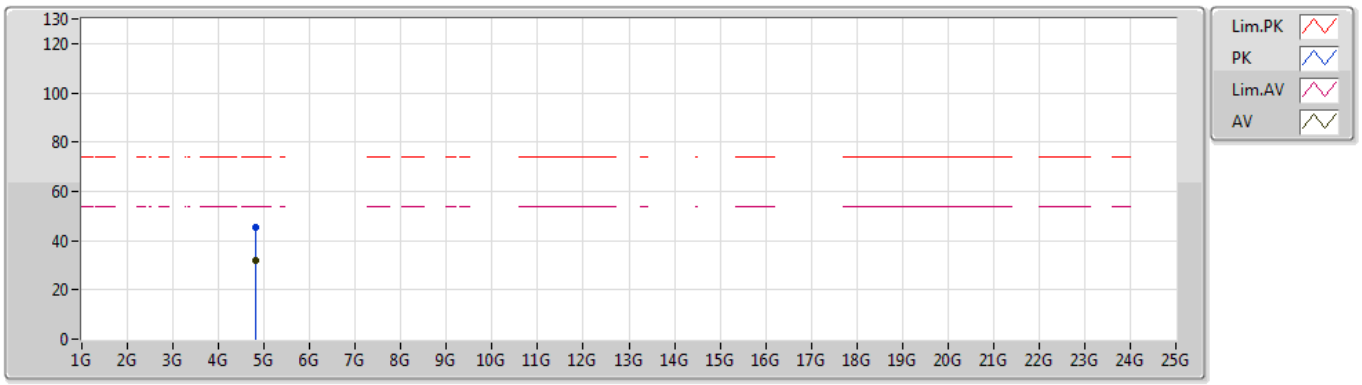


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3558G	43.18	54.00	-10.82	31.65	3	Horizontal	171	1.50	-	11.53	27.78	3.87	-
AV	2.402G	78.58	Inf	-Inf	31.54	3	Horizontal	171	1.50	-	47.04	27.60	3.94	-
PK	2.3688G	56.27	74.00	-17.73	31.61	3	Horizontal	171	1.50	-	24.66	27.72	3.89	-
PK	2.4024G	95.76	Inf	-Inf	31.54	3	Horizontal	171	1.50	-	64.22	27.60	3.94	-

BT-LE(2Mbps)

27/06/2019

2402MHz_TX

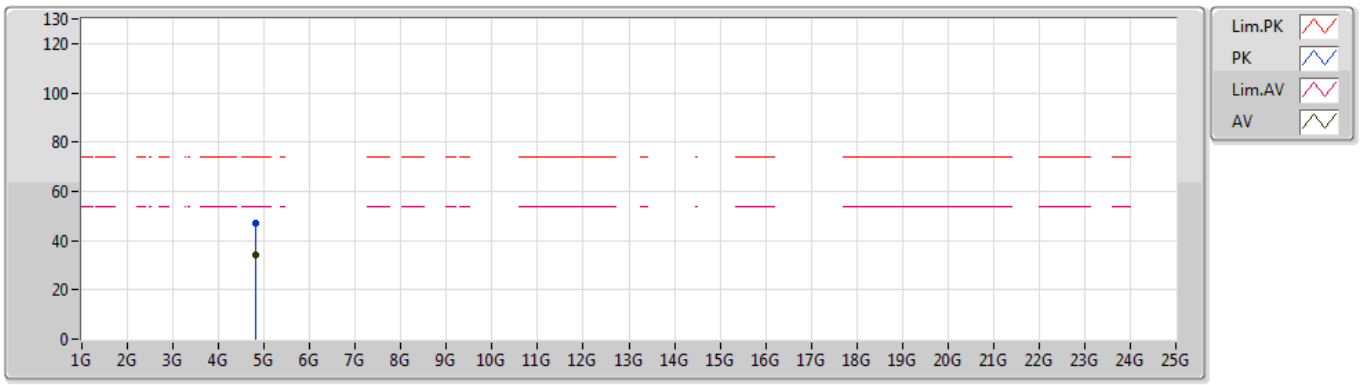


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80477G	32.14	54.00	-21.86	-3.94	3	Vertical	209	1.50	-	36.08	31.10	6.51	41.55
PK	4.80417G	45.19	74.00	-28.81	-3.94	3	Vertical	209	1.50	-	49.13	31.10	6.51	41.55

BT-LE(2Mbps)

27/06/2019

2402MHz_TX

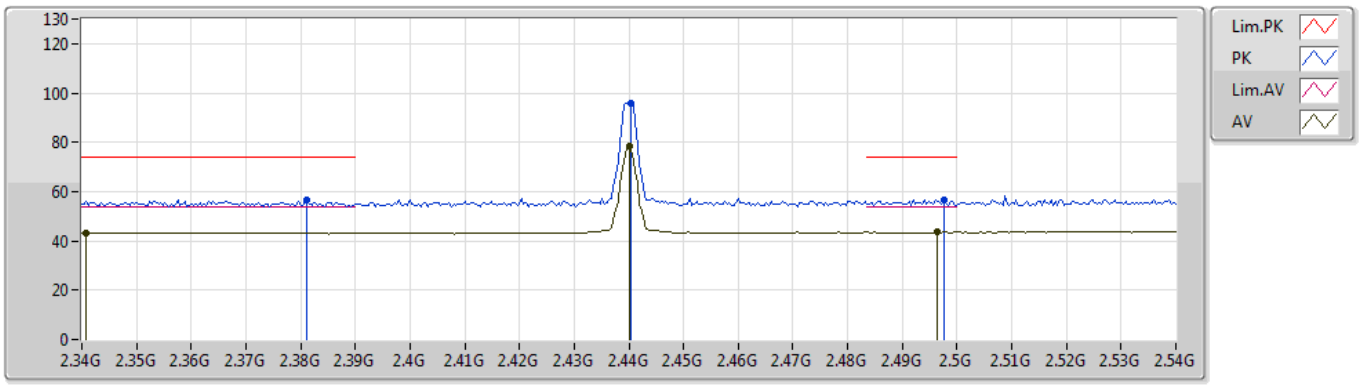


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80494G	34.12	54.00	-19.88	-3.94	3	Horizontal	39	1.01	-	38.06	31.10	6.51	41.55
PK	4.80493G	47.22	74.00	-26.78	-3.94	3	Horizontal	39	1.01	-	51.16	31.10	6.51	41.55

BT-LE(2Mbps)

27/06/2019

2440MHz_TX

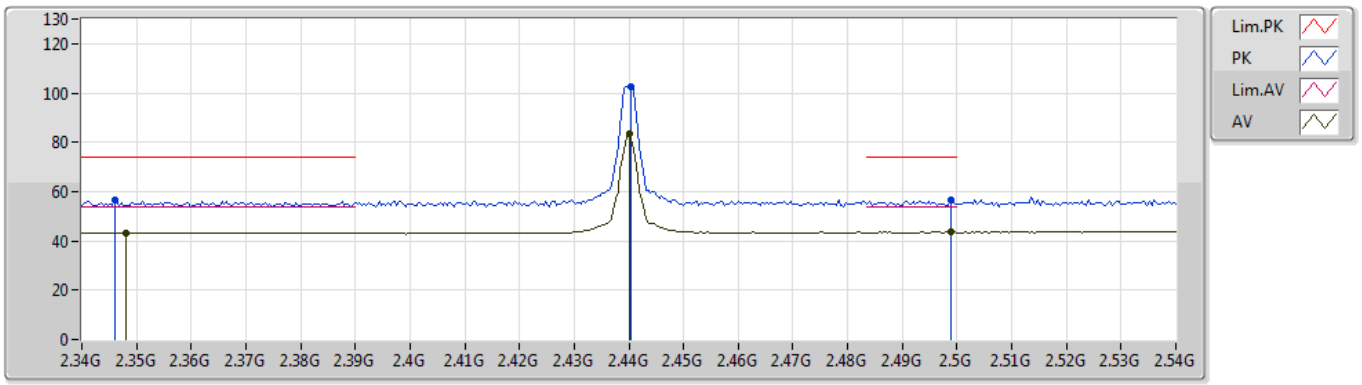


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3408G	43.20	54.00	-10.80	31.69	3	Vertical	167	1.50	-	11.51	27.84	3.85	-
AV	2.44G	78.59	Inf	-Inf	31.55	3	Vertical	167	1.50	-	47.04	27.56	3.99	-
AV	2.4964G	43.48	54.00	-10.52	31.57	3	Vertical	167	1.50	-	11.91	27.50	4.07	-
PK	2.3812G	56.45	74.00	-17.55	31.59	3	Vertical	167	1.50	-	24.86	27.68	3.91	-
PK	2.4404G	95.67	Inf	-Inf	31.55	3	Vertical	167	1.50	-	64.12	27.56	3.99	-
PK	2.4976G	56.76	74.00	-17.24	31.58	3	Vertical	167	1.50	-	25.18	27.50	4.08	-

BT-LE(2Mbps)

27/06/2019

2440MHz_TX

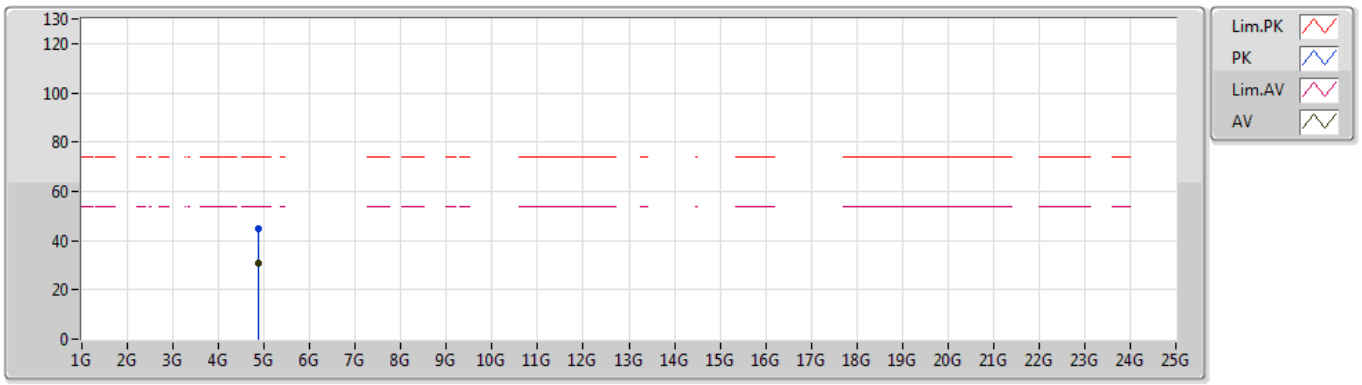


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.348G	43.26	54.00	-10.74	31.67	3	Horizontal	155	1.51	-	11.59	27.81	3.86	-
AV	2.44G	83.28	Inf	-Inf	31.55	3	Horizontal	155	1.51	-	51.73	27.56	3.99	-
AV	2.4988G	43.50	54.00	-10.50	31.58	3	Horizontal	155	1.51	-	11.92	27.50	4.08	-
PK	2.346G	56.55	74.00	-17.45	31.68	3	Horizontal	155	1.51	-	24.87	27.82	3.86	-
PK	2.4404G	102.28	Inf	-Inf	31.55	3	Horizontal	155	1.51	-	70.73	27.56	3.99	-
PK	2.4988G	56.81	74.00	-17.19	31.58	3	Horizontal	155	1.51	-	25.23	27.50	4.08	-

BT-LE(2Mbps)

27/06/2019

2440MHz_TX

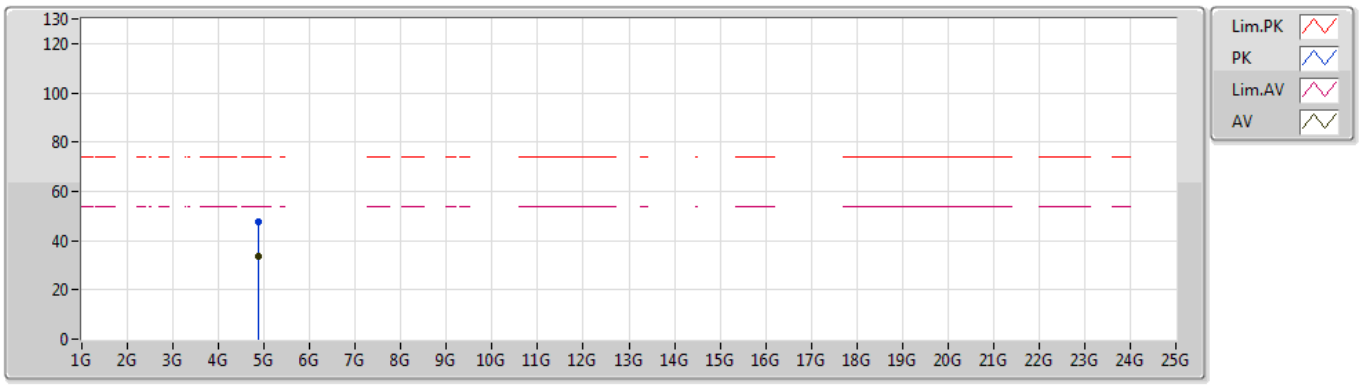


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87896G	30.65	54.00	-23.35	-3.90	3	Vertical	202	1.50	-	34.55	31.10	6.57	41.57
PK	4.87907G	44.58	74.00	-29.42	-3.90	3	Vertical	202	1.50	-	48.48	31.10	6.57	41.57

BT-LE(2Mbps)

27/06/2019

2440MHz_TX

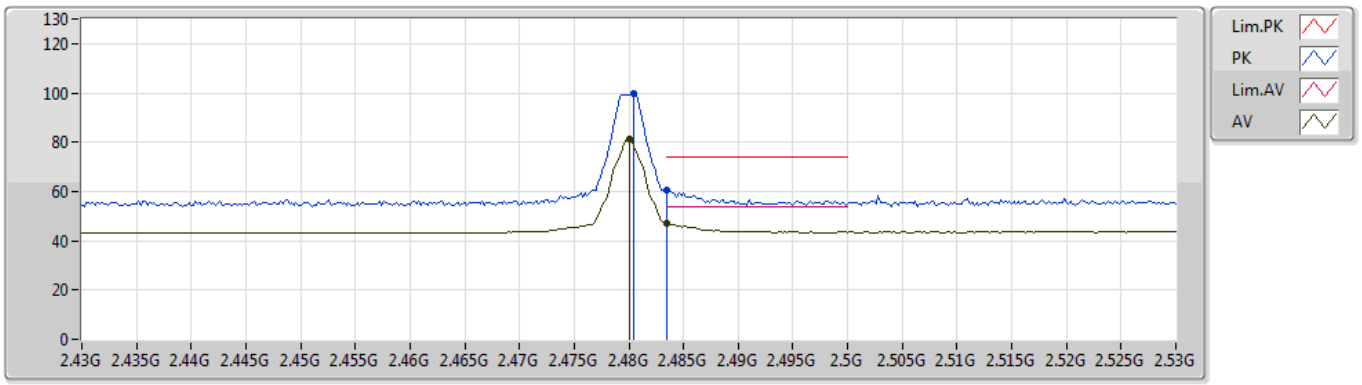


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.88087G	33.71	54.00	-20.29	-3.90	3	Horizontal	357	2.17	-	37.61	31.10	6.57	41.57
PK	4.87903G	47.67	74.00	-26.33	-3.90	3	Horizontal	357	2.17	-	51.57	31.10	6.57	41.57

BT-LE(2Mbps)

27/06/2019

2480MHz_TX

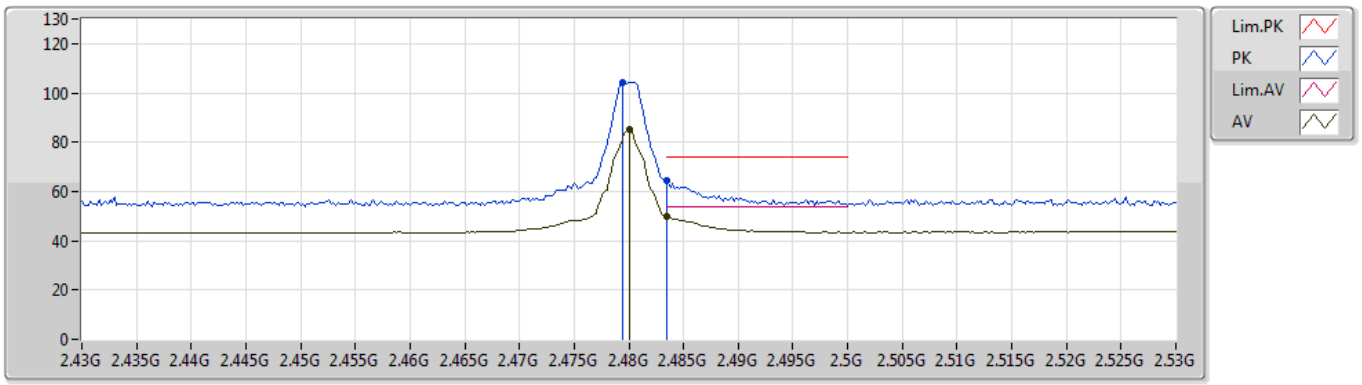


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	81.36	Inf	-Inf	31.57	3	Vertical	96	2.95	-	49.79	27.52	4.05	-
AV	2.4835G	46.97	54.00	-7.03	31.58	3	Vertical	96	2.95	-	15.39	27.52	4.06	-
PK	2.4804G	99.48	Inf	-Inf	31.57	3	Vertical	96	2.95	-	67.91	27.52	4.05	-
PK	2.4835G	60.53	74.00	-13.47	31.58	3	Vertical	96	2.95	-	28.95	27.52	4.06	-

BT-LE(2Mbps)

27/06/2019

2480MHz_TX

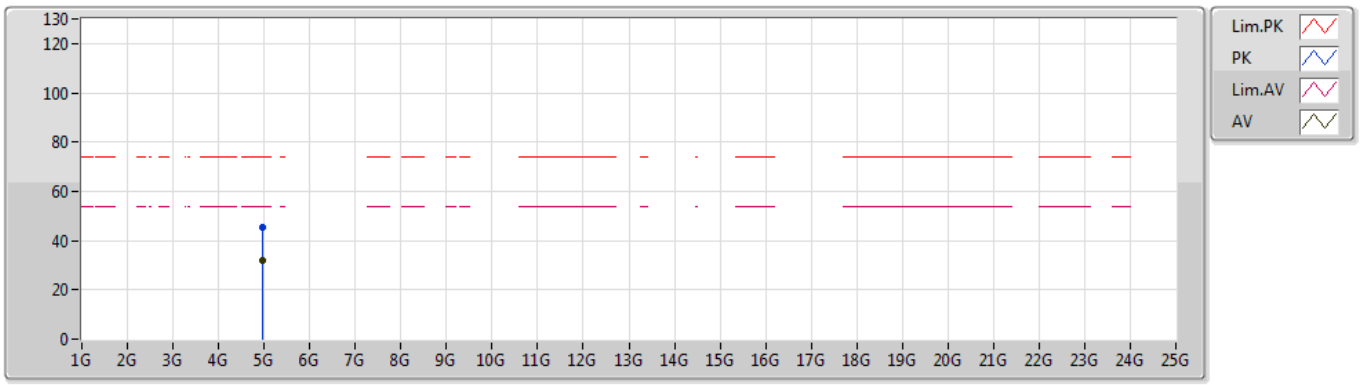


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	84.94	Inf	-Inf	31.57	3	Horizontal	154	1.50	-	53.37	27.52	4.05	-
AV	2.4835G	49.66	54.00	-4.34	31.58	3	Horizontal	154	1.50	-	18.08	27.52	4.06	-
PK	2.4794G	104.35	Inf	-Inf	31.57	3	Horizontal	154	1.50	-	72.78	27.52	4.05	-
PK	2.4835G	64.19	74.00	-9.81	31.58	3	Horizontal	154	1.50	-	32.61	27.52	4.06	-

BT-LE(2Mbps)

27/06/2019

2480MHz_TX

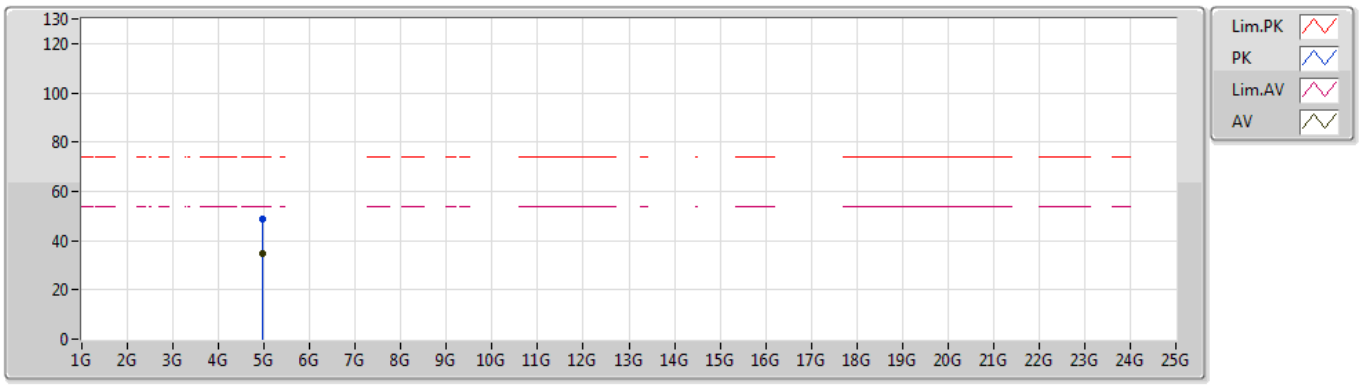


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.96083G	32.18	54.00	-21.82	-3.63	3	Vertical	209	2.99	-	35.81	31.34	6.63	41.60
PK	4.95984G	45.55	74.00	-28.45	-3.63	3	Vertical	209	2.99	-	49.18	31.34	6.63	41.60

BT-LE(2Mbps)

27/06/2019

2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.96083G	34.65	54.00	-19.35	-3.63	3	Horizontal	358	2.12	-	38.28	31.34	6.63	41.60
PK	4.95905G	48.58	74.00	-25.42	-3.63	3	Horizontal	358	2.12	-	52.21	31.34	6.63	41.60