

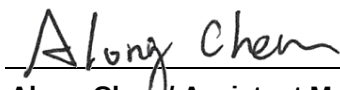
FCC Test Report

FCC ID : IPH-05047
Equipment : Meter/IVI
Model No. : HAWW
Brand Name : GARMIN
Applicant : Garmin International, Inc.
Address : 1200 E. 151st Street Olathe, KS 66062 United States
Standard : 47 CFR FCC Part 15.247
Received Date : Feb. 12, 2025
Tested Date : Mar. 12 ~ Nov. 25, 2025

We, International Certification Corporation, would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:

Approved by:



Along Chen / Assistant Manager



Gary Chang / Manager

Table of Contents

1	GENERAL DESCRIPTION	5
1.1	Information.....	5
1.2	Local Support Equipment List	8
1.3	Test Setup Chart	8
1.4	Test Equipment List and Calibration Data.....	9
1.5	Test Standards	12
1.6	Reference Guidance	12
1.7	Deviation from Test Standard and Measurement Procedure.....	12
1.8	Measurement Uncertainty	12
2	TEST CONFIGURATION.....	13
2.1	Testing Facility	13
2.2	The Worst Test Modes and Channel Details	13
3	TRANSMITTER TEST RESULTS	14
3.1	6dB and Occupied Bandwidth.....	14
3.2	Conducted Output Power	15
3.3	Power Spectral Density	16
3.4	Unwanted Emissions in Restricted Frequency Bands	17
3.5	Emissions in non-restricted Frequency Bands.....	19
4	TEST LABORATORY INFORMATION	20

Appendix A. 6dB and Occupied Bandwidth

Appendix B. Conducted Output Power

Appendix C. Power Spectral Density

Appendix D. Unwanted Emissions into Restricted Frequency Bands

Appendix E. Emissions in Non-Restricted Frequency Bands

Release Record

Report No.	Version	Description	Issued Date
FR521201AE	Rev. 01	Initial issue	Dec. 11, 2025

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emissions	Note ¹	N/A
15.247(d) 15.209	Unwanted Emissions	[dBuV/m at 3m]: 60MHz 36.55 (Margin -3.45dB) - PK	Pass
15.247(b)(3)	Conducted Output Power	Power [dBm]: 2.01	Pass
15.247(a)(2)	6dB Bandwidth	Meet the requirement of limit	Pass
15.247(e)	Power Spectral Density	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass
N/A means Not Applicable. Note ¹ : The EUT consumes DC power from battery, so the test is not required.			

Declaration of Conformity:

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

Comments and Explanations:

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

1 General Description

1.1 Information

1.1.1 Specification of the Equipment under Test (EUT)

RF General Information				
Frequency Range (MHz)	Bluetooth Mode	Ch. Freq. (MHz)	Channel Number	Data Rate
2400-2483.5	LE	2402-2480	0-39 [40]	1 Mbps
				2 Mbps
Note: Bluetooth LE (Low energy) uses GFSK modulation.				

1.1.2 Antenna Details

Brand	Model	Type	Connector	Gain (dBi)	Remarks
INPAQ	700-00228-00	PCB	IPEX	4.8	Combo chip
INPAQ	717-00180-00	Chip	NA	4.95	Chip 1
INPAQ	717-00180-00	Chip	NA	1.29	Chip 2

1.1.3 Chip Information

Chip	Model name	Description
Combo chip	AW611	WIFI / BT EDR + BLE
Chip 1	AW300	BT EDR + BLE
Chip 2	AW300	BT EDR + BLE

1.1.4 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	DC 12V
-------------------	--------

1.1.5 Accessories

N/A

1.1.6 Channel List

Frequency band (MHz)				2400~2483.5			
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
37	2402	9	2422	18	2442	28	2462
0	2404	10	2424	19	2444	29	2464
1	2406	38	2426	20	2446	30	2466
2	2408	11	2428	21	2448	31	2468
3	2410	12	2430	22	2450	32	2470
4	2412	13	2432	23	2452	33	2472
5	2414	14	2434	24	2454	34	2474
6	2416	15	2436	25	2456	35	2476
7	2418	16	2438	26	2458	36	2478
8	2420	17	2440	27	2460	39	2480

1.1.7 Test Tool and Duty Cycle

Configuration 1: Combo chip, model AW611

Test Tool	Dut labtool, Version: 2.0.0.36.1	
Modulation Mode	Duty Cycle Of Test Signal (%)	Duty Factor (dB)
BT-LE(1Mbps)	63.50%	1.97

Configuration 2: Chip 1, model AW300

Test Tool	Dut labtool, Version: 2.0.0.36.1	
Modulation Mode	Duty Cycle Of Test Signal (%)	Duty Factor (dB)
BT-LE(1Mbps)	62.47%	2.04
BT-LE(2Mbps)	34.07%	4.68

Configuration 3: Chip 2, model AW300

Test Tool	Dut labtool, Version: 2.0.0.36.1	
Modulation Mode	Duty Cycle Of Test Signal (%)	Duty Factor (dB)
BT-LE(1Mbps)	62.53%	2.04
BT-LE(2Mbps)	32.17%	4.93

1.1.8 Power Index of Test Tool

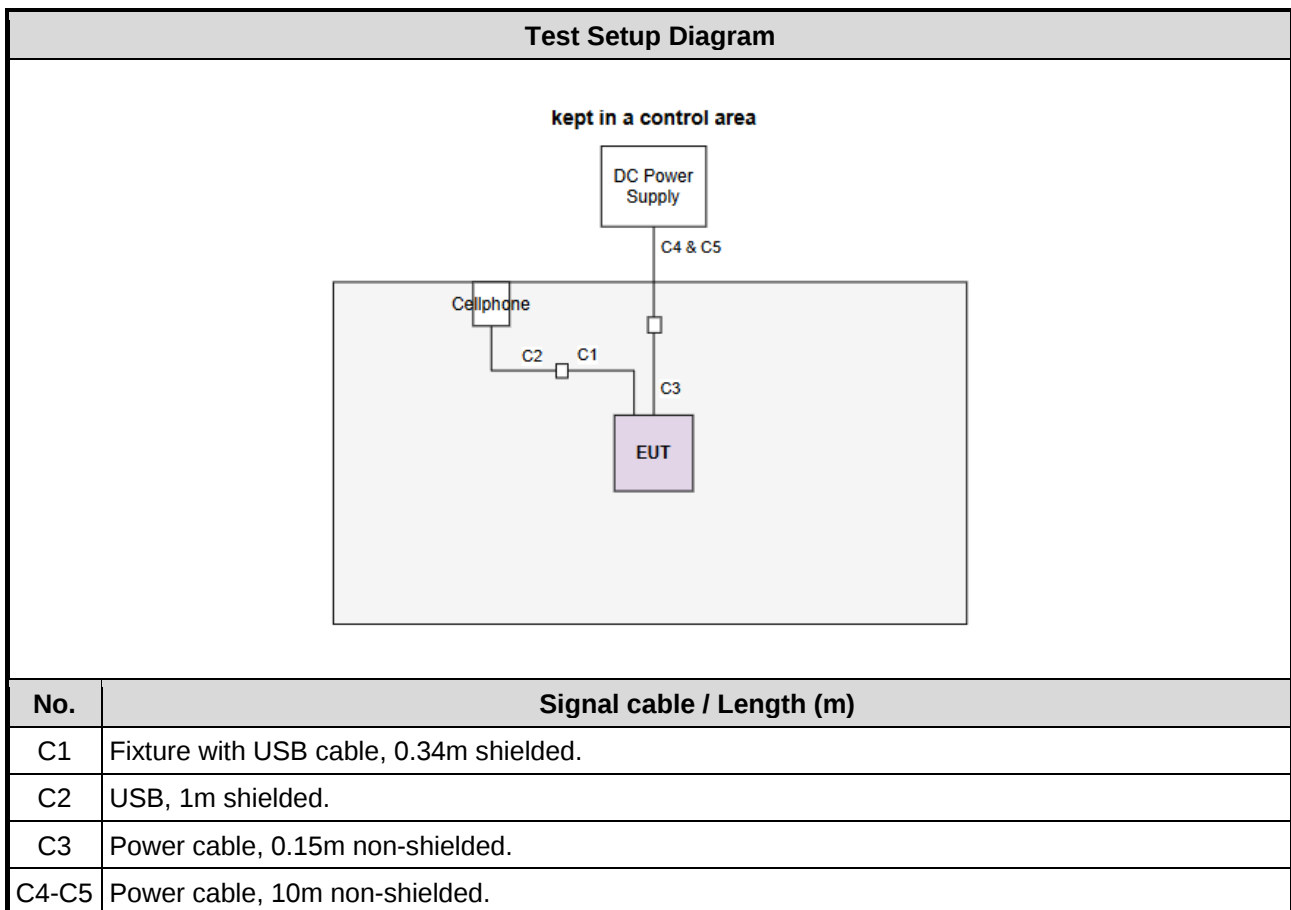
Modulation Mode	Test Frequency (MHz)		
	2402	2440	2480
BT-LE(1Mbps)	default	default	default
BT-LE(2Mbps)	default	default	default

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	Cellphone	SAMSUNG	SM-A530F/DS	---	---
2	DC Power Supply	GWINSTEK	GPC-60300	---	---
3	Laptop	DELL	Latitude 3440	DoC	---
C1	Fixture with USB cable	GARMIN	HAWW_V2 HAWW_USB	---	Provided by applicant.
C2	Samsung USB cable	Samsung	EP-DA705BWE GWW	---	---
C3	Power cable	GARMIN	HAWW_20P	---	Provided by applicant.
C4	DC Cable	ICC	DCC-10m-R	---	---
C5	DC Cable	ICC	DCC-10m-B	---	---

Note: The support laptop was disconnected from the EUT and was removed from testing table after sending command to EUT to transmit continuously.

1.3 Test Setup Chart



1.4 Test Equipment List and Calibration Data

Test Item	Radiated Emission				
Test Site	966 chamber3 / (03CH03-WS)				
Tested Date	Mar. 12, 2025				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101658	Feb. 25, 2025	Feb. 24, 2026
Spectrum Analyzer	R&S	FSV40	101499	Apr. 02, 2024	Apr. 01, 2025
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 05, 2024	Nov. 04, 2025
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-685	Jul. 02, 2024	Jul. 01, 2025
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Dec. 20, 2024	Dec. 19, 2025
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 18, 2024	Nov. 17, 2025
Preamplifier	EMC	EMC02325	980187	Jun. 27, 2024	Jun. 26, 2025
Preamplifier	EMC	EMC118A45SE	980897	Aug. 05, 2024	Aug. 04, 2025
Preamplifier	EMC	EMC184045SE	980903	Jul. 30, 2024	Jul. 29, 2025
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 02, 2024	Oct. 01, 2025
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800-001	Sep. 20, 2024	Sep. 19, 2025
LF cable-3M	EMC	EMC8D-NM-NM-3000	131103	Sep. 20, 2024	Sep. 19, 2025
LF cable-13M	EMC	EMC8D-NM-NM-13000	131104	Sep. 20, 2024	Sep. 19, 2025
RF cable-3M	HUBER+SUHNER	SUCOFLEX104	MY22620/4	Sep. 20, 2024	Sep. 19, 2025
RF cable-8M	EMC	EMC104-SM-SM-8000	181107	Sep. 20, 2024	Sep. 19, 2025
Attenuator	Pasternack	PE7005-10	10-3	Sep. 20, 2024	Sep. 19, 2025
HIGHPASS FILTER	WI	WHK3.1-18G-10SS	43	Sep. 20, 2024	Sep. 19, 2025
Measurement Software	Sporton	SENSE-EMI	V5.11	NA	NA
Measurement Software	Sporton	SENSE-15247_FS	V5.11	NA	NA

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

Test Item	Radiated Emission				
Test Site	966 chamber3 / (03CH03-WS)				
Tested Date	Oct. 09 ~ Oct. 14, 2025				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101657	Mar. 11, 2025	Mar. 10, 2026
Spectrum Analyzer	R&S	FSV40	101499	Mar. 27, 2025	Mar. 26, 2026
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 05, 2024	Nov. 04, 2025
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-685	Jul. 04, 2025	Jul. 03, 2026
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Dec. 20, 2024	Dec. 19, 2025
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 18, 2024	Nov. 17, 2025
Preamplifier	EMC	EMC02325	980187	Jun. 24, 2025	Jun. 23, 2026
Preamplifier	EMC	EMC118A45SE	980897	Aug. 08, 2025	Aug. 07, 2026
Preamplifier	EMC	EMC184045SE	980903	Aug. 08, 2025	Aug. 07, 2026
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 01, 2025	Sep. 30, 2026
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800-001	Sep. 19, 2025	Sep. 18, 2026
LF cable-3M	EMC	EMC8D-NM-NM-3000	131103	Sep. 19, 2025	Sep. 18, 2026
LF cable-13M	EMC	EMC8D-NM-NM-13000	131104	Sep. 19, 2025	Sep. 18, 2026
RF cable-3M	HUBER+SUHNER	SUCOFLEX104	MY22620/4	Sep. 19, 2025	Sep. 18, 2026
RF cable-8M	EMC	EMC104-SM-SM-8000	181107	Sep. 19, 2025	Sep. 18, 2026
Attenuator	Pasternack	PE7005-10	10-3	Sep. 19, 2025	Sep. 18, 2026
HIGHPASS FILTER	WI	WHK3.1-18G-10SS	43	Sep. 19, 2025	Sep. 18, 2026
Measurement Software	Sporton	SENSE-EMI	V5.11	NA	NA
Measurement Software	Sporton	SENSE-15247_FS	V5.11	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission				
Test Site	966 chamber3 / (03CH03-WS)				
Tested Date	Nov. 25, 2025				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101657	Mar. 11, 2025	Mar. 10, 2026
Spectrum Analyzer	R&S	FSV40	101499	Mar. 27, 2025	Mar. 26, 2026
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 17, 2025	Nov. 16, 2026
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-685	Jul. 04, 2025	Jul. 03, 2026
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Dec. 20, 2024	Dec. 19, 2025
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170508	Jan. 09, 2025	Jan. 08, 2026
Preamplifier	EMC	EMC02325	980187	Jun. 24, 2025	Jun. 23, 2026
Preamplifier	EMC	EMC118A45SE	980897	Aug. 08, 2025	Aug. 07, 2026
Preamplifier	EMC	EMC184045SE	980903	Aug. 08, 2025	Aug. 07, 2026
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 01, 2025	Sep. 30, 2026
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800-001	Sep. 19, 2025	Sep. 18, 2026
LF cable-3M	EMC	EMC8D-NM-NM-3000	131103	Sep. 19, 2025	Sep. 18, 2026
LF cable-13M	EMC	EMC8D-NM-NM-13000	131104	Sep. 19, 2025	Sep. 18, 2026
RF cable-3M	HUBER+SUHNER	SUCOFLEX104	MY22620/4	Sep. 19, 2025	Sep. 18, 2026
RF cable-8M	EMC	EMC104-SM-SM-8000	181107	Sep. 19, 2025	Sep. 18, 2026
RF cable-1M	HUBER+SUHNER	SUCOFLEX104	MY22624/4	Sep. 19, 2025	Sep. 18, 2026
Attenuator	Pasternack	PE7005-10	10-3	Sep. 19, 2025	Sep. 18, 2026
HIGHPASS FILTER	WI	WHK3.1-18G-10SS	43	Sep. 19, 2025	Sep. 18, 2026
Measurement Software	Sporton	SENSE-EMI	V5.11	NA	NA
Measurement Software	Sporton	SENSE-15247_FS	V5.11	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Oct. 15 ~ Nov. 18, 2025				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101910	Apr. 18, 2025	Apr. 17, 2026
Power Meter	Anritsu	ML2495A	1241002	Nov. 26, 2024	Nov. 25, 2025
Power Sensor	Anritsu	MA2411B	1207366	Nov. 26, 2024	Nov. 25, 2025
Attenuator	Pasternack	PE7005-10	10-2	Oct. 03, 2025	Oct. 02, 2026
Measurement Software	Sporton	SENSE-15247_FS	V5.11	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

47 CFR FCC Part 15.247

ANSI C63.10-2020

ANSI C63.4-2014 + C63.4a-2017

1.6 Reference Guidance

FCC KDB 558074 D01 15.247 Meas Guidance v05r02

1.7 Deviation from Test Standard and Measurement Procedure

None

1.8 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor ($k=2$)).

Measurement Uncertainty	
Parameters	Uncertainty
Bandwidth	± 34.130 Hz
Conducted power	± 0.808 dB
Power density	± 0.583 dB
Conducted emission	± 2.715 dB
AC conducted emission	± 2.92 dB
Unwanted Emission ≤ 1 GHz	± 3.96 dB
Unwanted Emission > 1 GHz	± 4.51 dB

2 Test Configuration

2.1 Testing Facility

Test Laboratory	International Certification Corporation
Test Site	TH01-WS
Address of Test Site	No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)
Test Site	03CH03-WS
Address of Test Site	No.14-1, Lane 19, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

- FCC Designation No.: TW0009
- FCC site registration No.: 207696
- ISSED#: 10807C
- CAB identifier: TW2732

2.2 The Worst Test Modes and Channel Details

Test item	Modulation Mode	Test Frequency (MHz)	Test Configuration
Unwanted Emissions ≤ 1GHz	BT-LE(1Mbps)	2402 2440 2480	1 2 3
Unwanted Emissions > 1GHz Conducted Output Power 6dB Bandwidth Power Spectral Density	BT-LE(1Mbps)	2402, 2440, 2480	1
Unwanted Emissions > 1GHz Conducted Output Power 6dB Bandwidth Power Spectral Density	BT-LE(1Mbps) BT-LE(2Mbps)	2402, 2440, 2480	2, 3
NOTE: 1. The EUT had been tested by following test configurations. 1) Configuration 1: Combo chip, model AW611 2) Configuration 2: Chip 1, model AW300 3) Configuration 3: Chip 2, model AW300			

3 Transmitter Test Results

3.1 6dB and Occupied Bandwidth

3.1.1 Limit of 6dB Bandwidth

The minimum 6dB bandwidth shall be at least 500 kHz.

3.1.2 Test Procedures

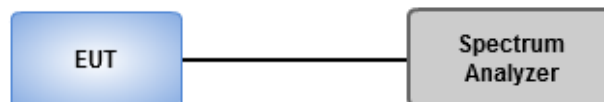
6dB Bandwidth

1. Set resolution bandwidth (RBW) = 1% ~ 5 % of OBW, Video bandwidth = 3 x RBW
2. Detector = Peak, Trace mode = max hold.
3. Sweep = No faster than coupled (auto) time, Allow the trace to stabilize.
4. Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “-6 dB down amplitude”. If a marker is below this “-6 dB down amplitude” value, then it shall be as close as possible to this value

Occupied Bandwidth

1. Set resolution bandwidth (RBW) = 1% ~ 5 % of OBW, Video bandwidth = 3 x RBW
2. Detector = Sample, Trace mode = max hold.
3. Sweep = auto couple, Allow the trace to stabilize.
4. Use the OBW measurement function of spectrum analyzer to measure the occupied bandwidth.

3.1.3 Test Setup



3.1.4 Test Results

Ambient Condition	20-24°C / 66-67%	Tested By	Aska Huang
-------------------	------------------	-----------	------------

Refer to Appendix A.

3.2 Conducted Output Power

3.2.1 Limit of Conducted Output Power

Conducted power shall not exceed 1Watt.

Antenna gain $\leq 6\text{dBi}$, no any corresponding reduction is in output power limit.

3.2.2 Test Procedures

A broadband RF power meter is used for output power measurement. The video bandwidth of power meter is greater than DTS bandwidth of EUT. If duty cycle of test signal is not 100 %, trigger and gating function of power meter will be enabled to capture transmission burst for measuring output power.

3.2.3 Test Setup



3.2.4 Test Results

Ambient Condition	20-24°C / 66-67%	Tested By	Aska Huang
-------------------	------------------	-----------	------------

Refer to Appendix B.

3.3 Power Spectral Density

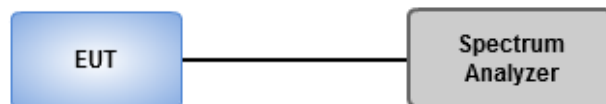
3.3.1 Limit of Power Spectral Density

Power spectral density shall not be greater than 8 dBm in any 3 kHz band.

3.3.2 Test Procedures

1. Set the RBW = 3 kHz, VBW = 10 kHz.
2. Detector = Peak, Sweep time = auto couple.
3. Trace mode = max hold, allow trace to fully stabilize.
4. Use the peak marker function to determine the maximum amplitude level.

3.3.3 Test Setup



3.3.4 Test Results

Ambient Condition	20-24°C / 66-67%	Tested By	Aska Huang
-------------------	------------------	-----------	------------

Refer to Appendix C.

3.4 Unwanted Emissions in Restricted Frequency Bands

3.4.1 Limit of Unwanted Emissions in Restricted Frequency Bands

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:
Quasi-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit

Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

3.4.2 Test Procedures

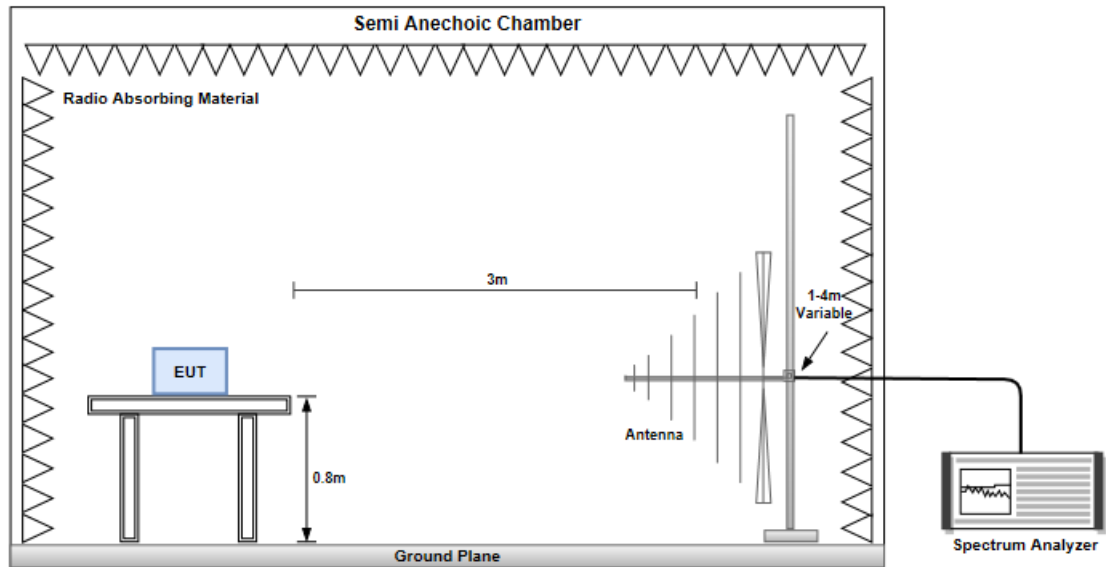
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

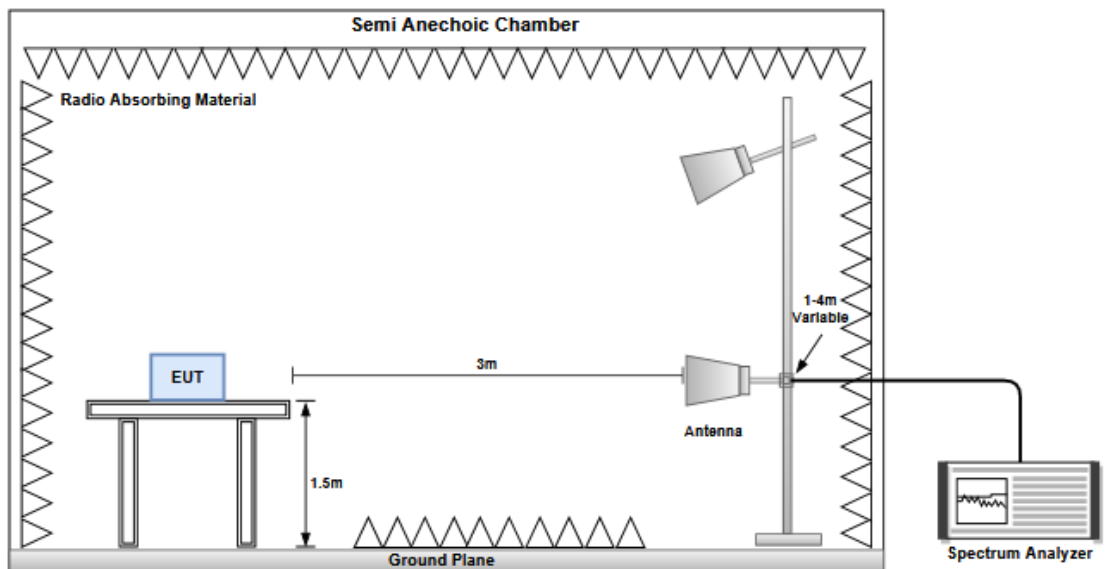
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

3.4.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



3.4.4 Test Results

Ambient Condition	23-26°C / 62-65%	Tested By	Sean Yu / Akun Chung / Roger Lu
--------------------------	------------------	------------------	---------------------------------

Refer to Appendix D.

3.5 Emissions in non-restricted Frequency Bands

3.5.1 Emissions in non-restricted frequency bands limit

Peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz.

3.5.2 Test Procedures

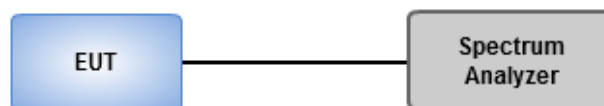
Reference level measurement

1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
2. Trace = max hold , Allow Trace to fully stabilize
3. Use the peak marker function to determine the maximum PSD level

Emission level measurement

1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
2. Trace = max hold , Allow Trace to fully stabilize
3. Scan Frequency range is up to 25GHz
4. Use the peak marker function to determine the maximum amplitude level

3.5.3 Test Setup



3.5.4 Test Results

Ambient Condition	20-24°C / 66-67%	Tested By	Aska Huang
-------------------	------------------	-----------	------------

Refer to Appendix E.

4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corporation (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <https://www.icertifi.com.tw>.

Linkou

Tel: 886-2-2601-1640

No.30-2, Ding Fwu Tsuen, Lin Kou
District, New Taipei City, Taiwan
(R.O.C.)

Kwei Shan

Tel: 886-3-271-8666

No.3-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)
No.2-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

Kwei Shan Site II

Tel: 886-3-271-8640

No.14-1, Lane 19, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666

Fax: 886-3-318-0155

Email: ICC_Service@icertifi.com.tw

==END==

**Configuration 1: Combo chip, model AW611****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)	707.5k	1.031M	1M03F1D	705k	1.028M

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	705k	1.028M
2440MHz	Pass	500k	706.25k	1.028M
2480MHz	Pass	500k	707.5k	1.031M

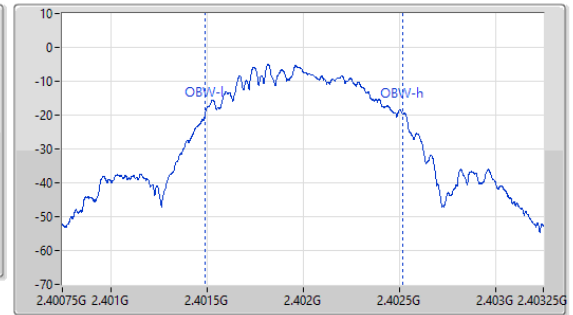
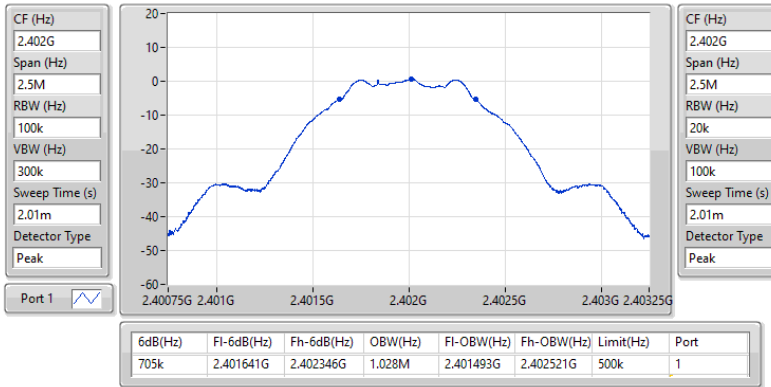
Port X-N dB = Port X 6dB down bandwidth;

Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-LE(1Mbps)

EBW-DTS

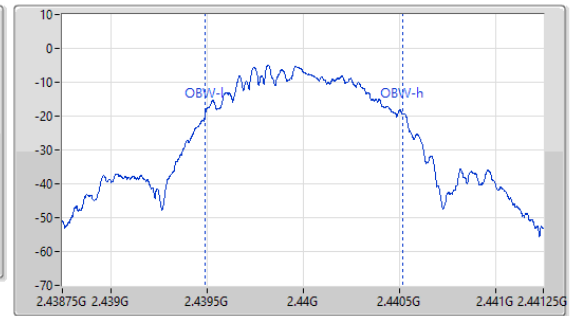
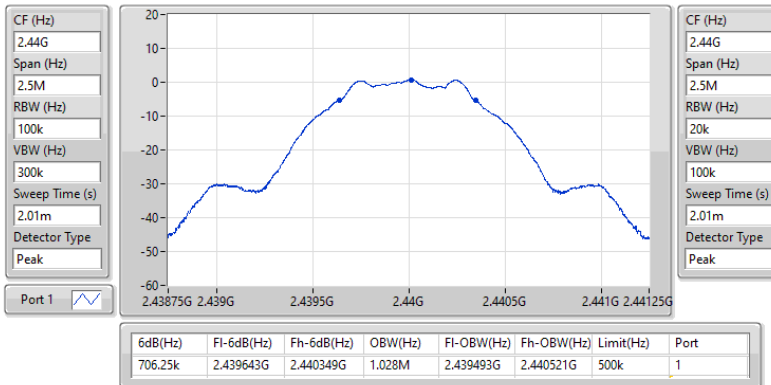
2402MHz



2.4-2.4835GHz_BT-LE(1Mbps)

EBW-DTS

2440MHz

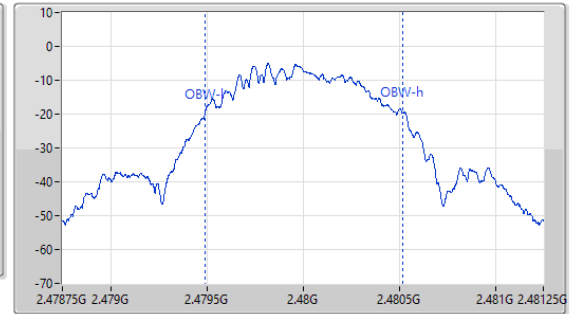
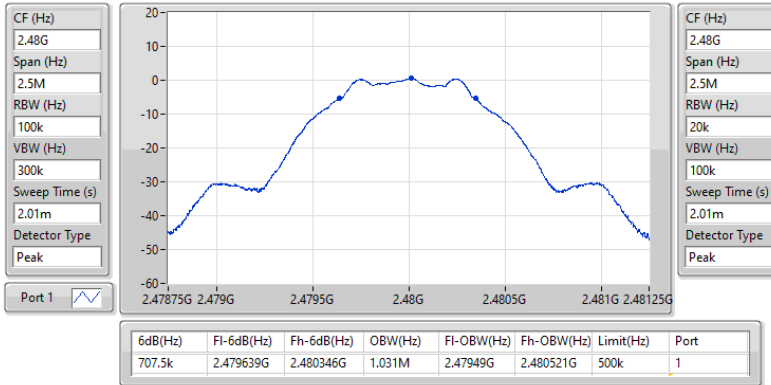




2.4-2.4835GHz_BT-LE(1Mbps)

EBW-DTS

2480MHz



Configuration 2: Chip 1, model AW300
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)	682.5k	1.039M	1M04F1D	677.5k	1.038M
BT-LE(2Mbps)	1.183M	2.075M	2M08F1D	1.178M	2.074M

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

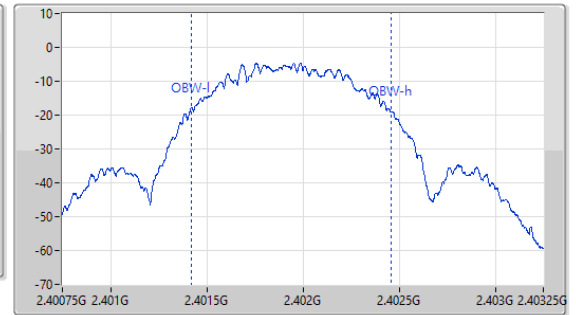
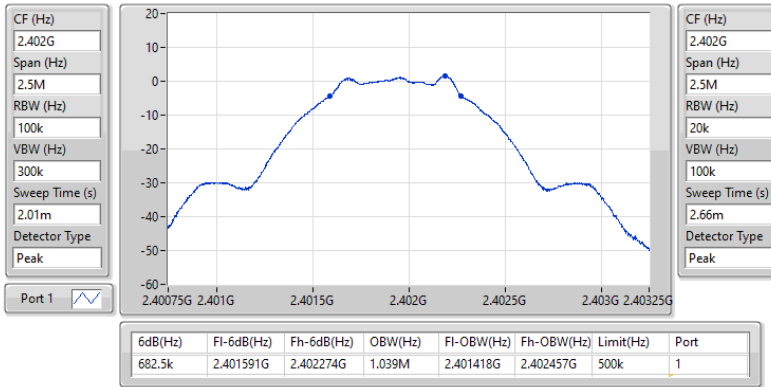
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	682.5k	1.039M
2440MHz	Pass	500k	677.5k	1.038M
2480MHz	Pass	500k	678.75k	1.039M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.178M	2.074M
2440MHz	Pass	500k	1.18M	2.075M
2480MHz	Pass	500k	1.183M	2.075M

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

2.4-2.4835GHz_BT-LE(1Mbps)

EBW-DTS

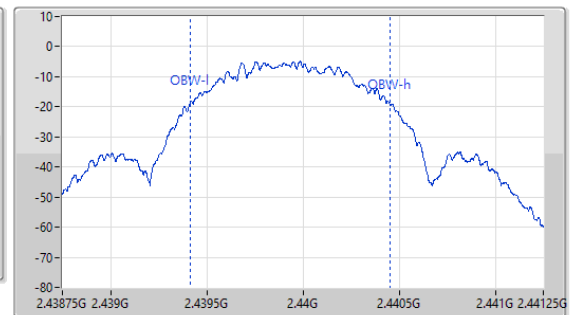
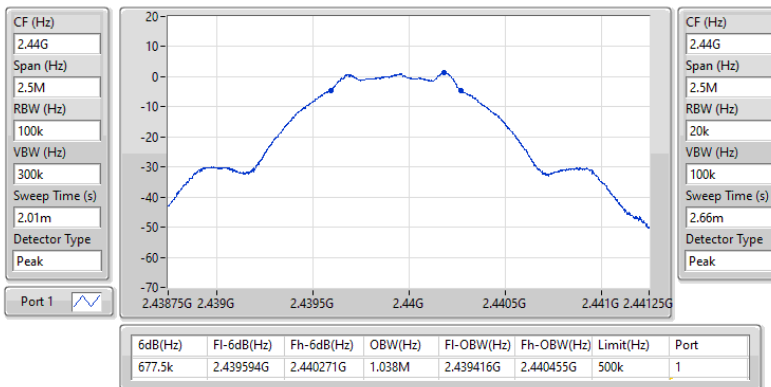
2402MHz



2.4-2.4835GHz_BT-LE(1Mbps)

EBW-DTS

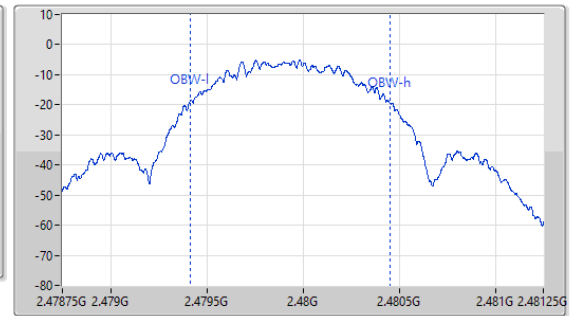
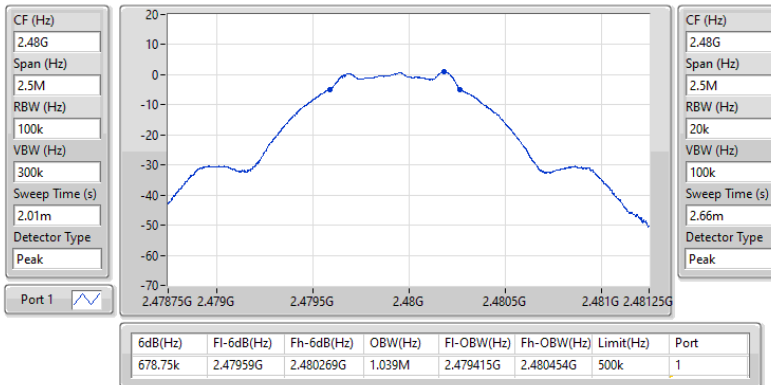
2440MHz



2.4-2.4835GHz_BT-LE(1Mbps)

EBW-DTS

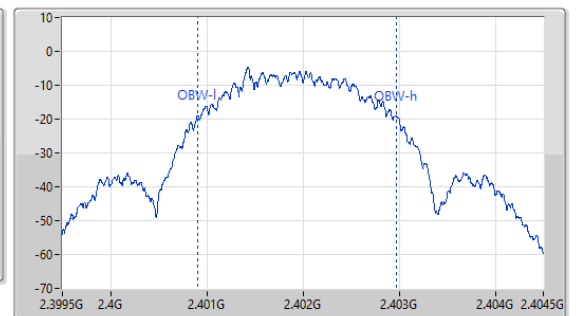
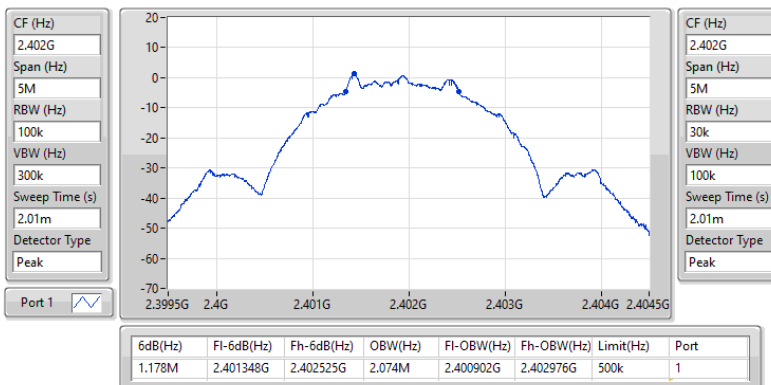
2480MHz



2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

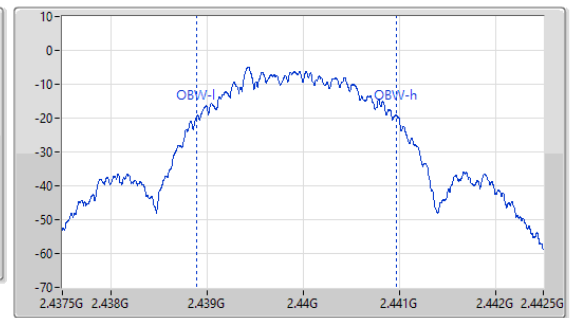
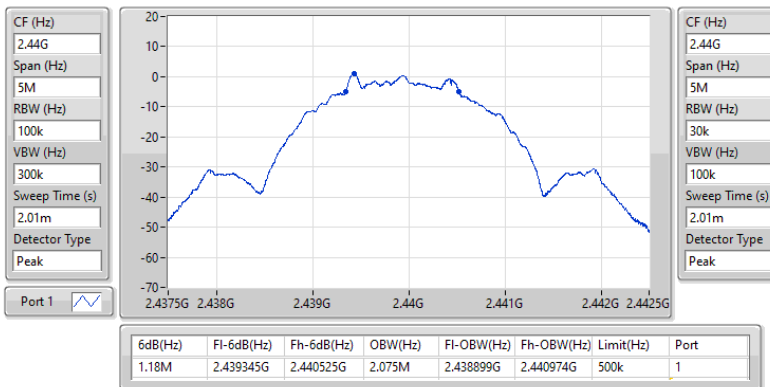
2402MHz



2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

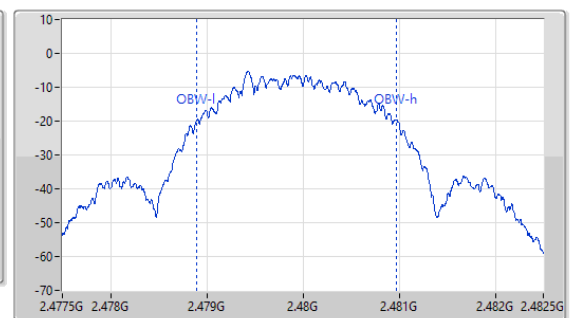
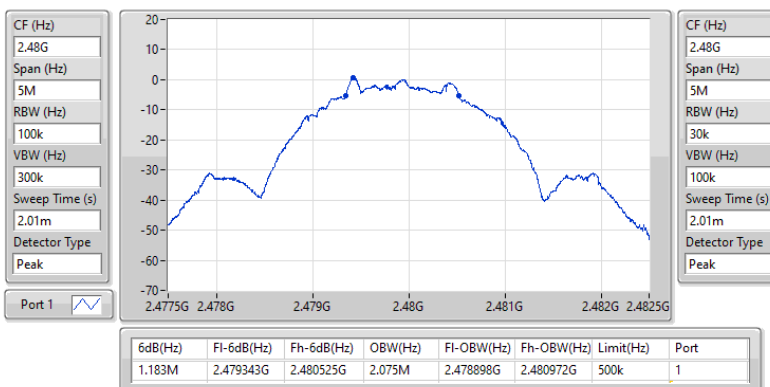
2440MHz



2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

2480MHz



Configuration 3: Chip 2, model AW300
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)	708.75k	1.029M	1M03F1D	705k	1.028M
BT-LE(2Mbps)	1.17M	2.051M	2M05F1D	1.17M	2.046M

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

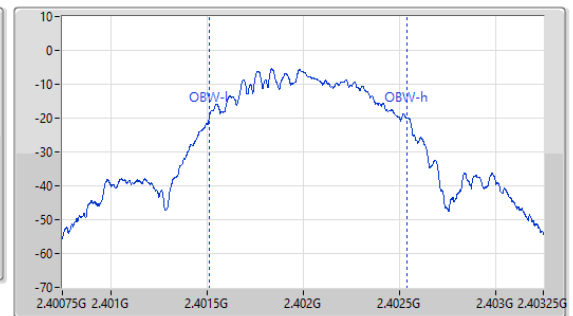
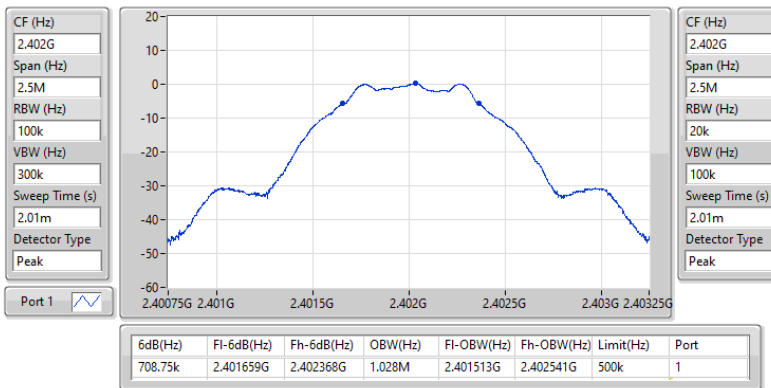
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	708.75k	1.028M
2440MHz	Pass	500k	705k	1.029M
2480MHz	Pass	500k	705k	1.029M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.17M	2.046M
2440MHz	Pass	500k	1.17M	2.046M
2480MHz	Pass	500k	1.17M	2.051M

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

2.4-2.4835GHz_BT-LE(1Mbps)

EBW-DTS

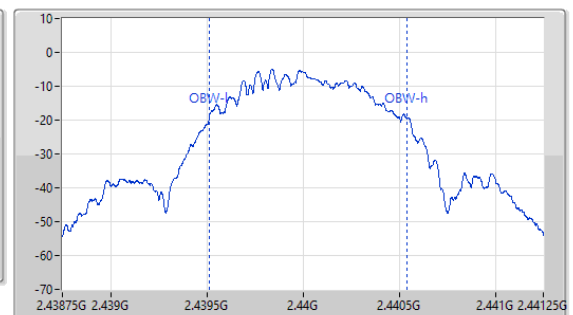
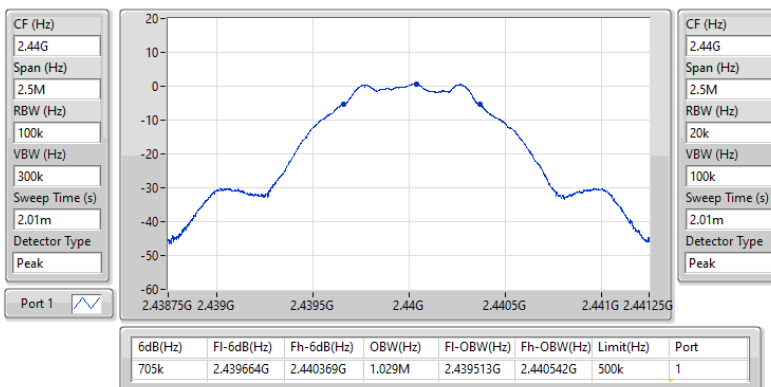
2402MHz



2.4-2.4835GHz_BT-LE(1Mbps)

EBW-DTS

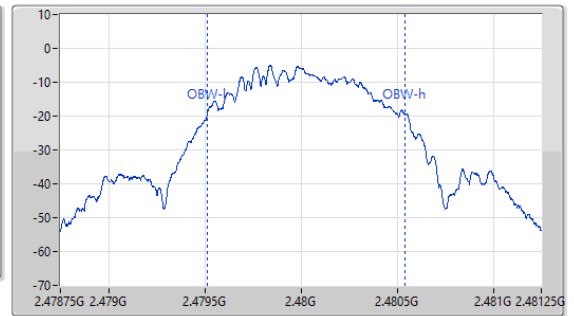
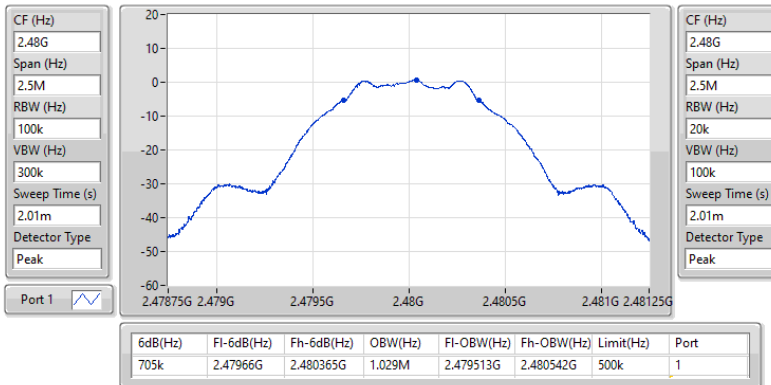
2440MHz



2.4-2.4835GHz_BT-LE(1Mbps)

EBW-DTS

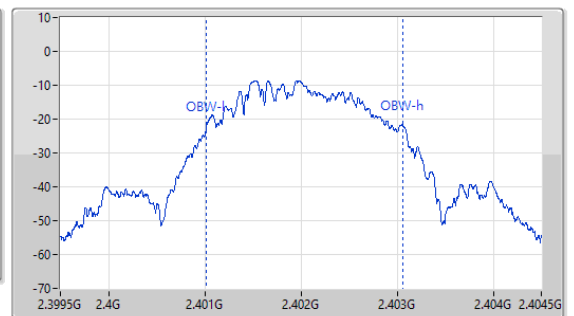
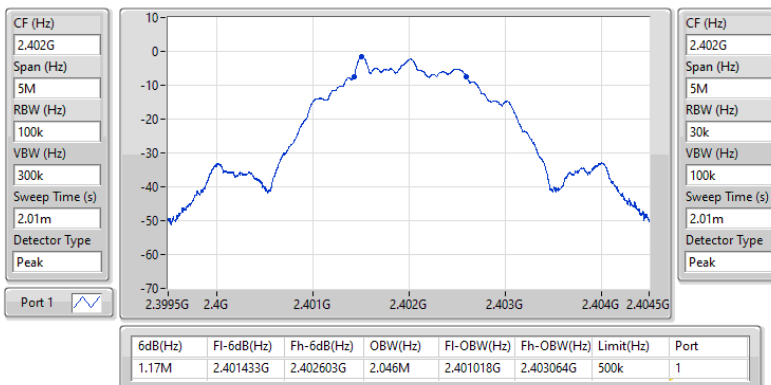
2480MHz



2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

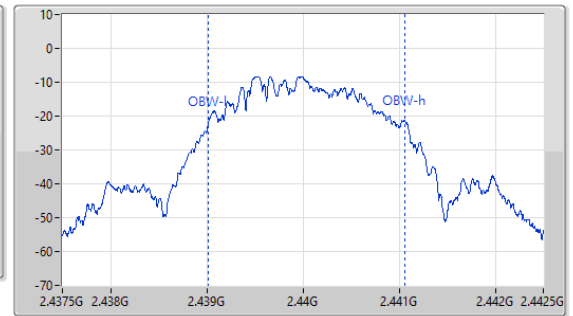
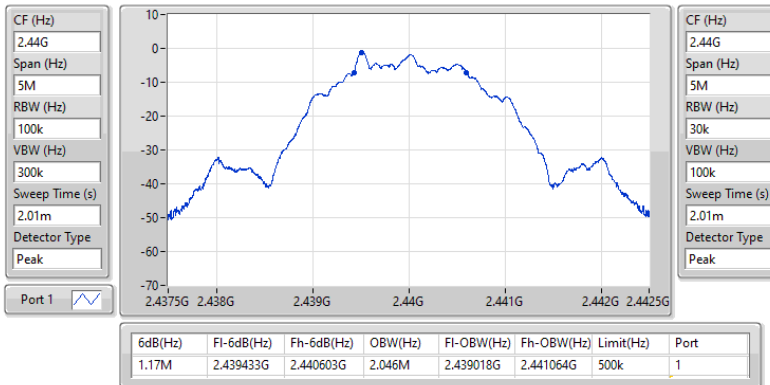
2402MHz



2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

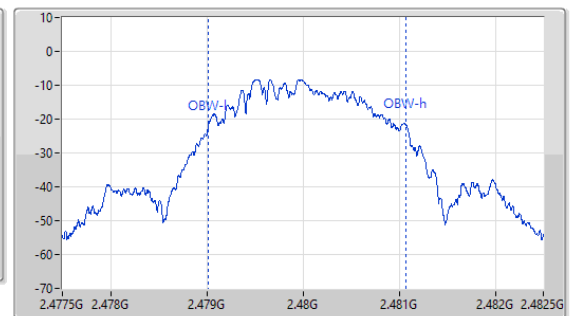
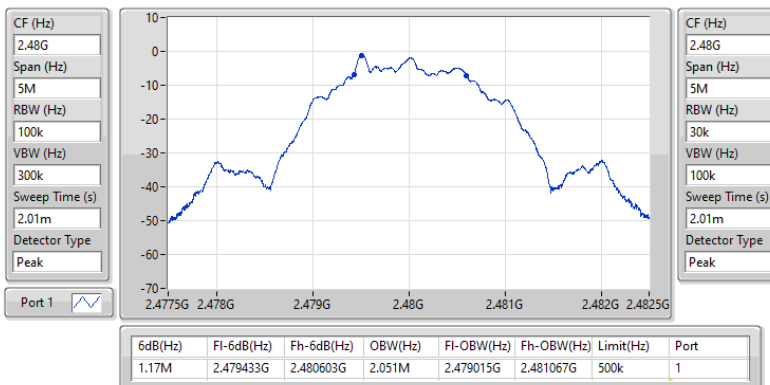
2440MHz



2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

2480MHz



**Configuration 1: Combo chip, model AW611****Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	1.35	0.00136

Result

Mode	Result	Antenna Gain (dBi)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BT-LE(1Mbps)	-	-	-	-	-	-
2402MHz	Pass	4.80	1.35	30.00	6.15	36.00
2440MHz	Pass	4.80	1.29	30.00	6.09	36.00
2480MHz	Pass	4.80	1.20	30.00	6.00	36.00

**Configuration 1: Combo chip, model AW611****Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	1.32	0.00136

Result

Mode	Result	Antenna Gain (dBi)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BT-LE(1Mbps)	-	-	-	-	-	-
2402MHz	Pass	4.80	1.32	-	6.12	-
2440MHz	Pass	4.80	1.25	-	6.05	-
2480MHz	Pass	4.80	1.16	-	5.96	-

Note: Average power is for reference only.

**Configuration 2: Chip 1, model AW300****Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	2.01	0.00159
BT-LE(2Mbps)	1.99	0.00158

Result

Mode	Result	Antenna Gain (dBi)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BT-LE(1Mbps)	-	-	-	-	-	-
2402MHz	Pass	4.95	1.87	30.00	6.82	36.00
2440MHz	Pass	4.95	2.01	30.00	6.96	36.00
2480MHz	Pass	4.95	1.79	30.00	6.74	36.00
BT-LE(2Mbps)	-	-	-	-	-	-
2402MHz	Pass	4.95	1.87	30.00	6.82	36.00
2440MHz	Pass	4.95	1.99	30.00	6.94	36.00
2480MHz	Pass	4.95	1.78	30.00	6.73	36.00

**Configuration 2: Chip 1, model AW300****Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	1.96	0.00157
BT-LE(2Mbps)	1.95	0.00157

Result

Mode	Result	Antenna Gain (dBi)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BT-LE(1Mbps)	-	-	-	-	-	-
2402MHz	Pass	4.95	1.82	-	6.77	-
2440MHz	Pass	4.95	1.96	-	6.91	-
2480MHz	Pass	4.95	1.76	-	6.71	-
BT-LE(2Mbps)	-	-	-	-	-	-
2402MHz	Pass	4.95	1.82	-	6.77	-
2440MHz	Pass	4.95	1.95	-	6.90	-
2480MHz	Pass	4.95	1.74	-	6.69	-

Note: Average power is for reference only.

**Configuration 3: Chip 2, model AW300****Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	1.35	0.00136
BT-LE(2Mbps)	1.34	0.00136

Result

Mode	Result	Antenna Gain (dBi)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BT-LE(1Mbps)	-	-	-	-	-	-
2402MHz	Pass	1.29	0.98	30.00	2.27	36.00
2440MHz	Pass	1.29	1.25	30.00	2.54	36.00
2480MHz	Pass	1.29	1.35	30.00	2.64	36.00
BT-LE(2Mbps)	-	-	-	-	-	-
2402MHz	Pass	1.29	0.97	30.00	2.26	36.00
2440MHz	Pass	1.29	1.24	30.00	2.53	36.00
2480MHz	Pass	1.29	1.34	30.00	2.63	36.00

**Configuration 3: Chip 2, model AW300****Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	1.31	0.00135
BT-LE(2Mbps)	1.30	0.00135

Result

Mode	Result	Antenna Gain (dBi)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BT-LE(1Mbps)	-	-	-	-	-	-
2402MHz	Pass	1.29	0.92	-	2.21	-
2440MHz	Pass	1.29	1.20	-	2.49	-
2480MHz	Pass	1.29	1.31	-	2.60	-
BT-LE(2Mbps)	-	-	-	-	-	-
2402MHz	Pass	1.29	0.91	-	2.20	-
2440MHz	Pass	1.29	1.19	-	2.48	-
2480MHz	Pass	1.29	1.30	-	2.59	-

Note: Average power is for reference only.

**Configuration 1: Combo chip, model AW611****Summary**

Mode	PD (dBm/3kHz)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-14.25

Result

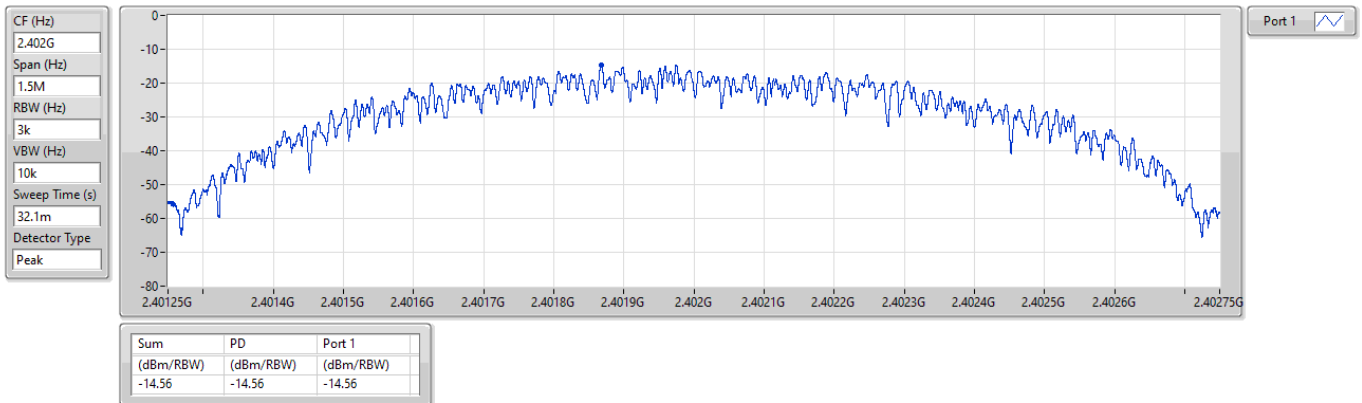
Mode	Result	Antenna Gain (dBi)	Power Density (dBm/3kHz)	Power Density Limit (dBm/3kHz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	4.80	-14.56	8.00
2440MHz	Pass	4.80	-14.25	8.00
2480MHz	Pass	4.80	-14.48	8.00



2.4-2.4835GHz_BT-LE(1Mbps)

PSD

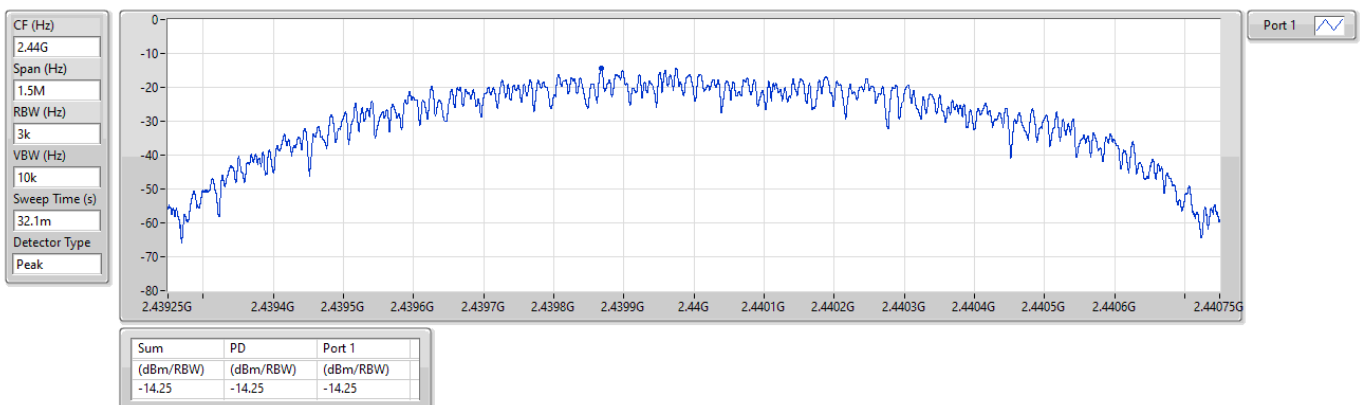
2402MHz



2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2440MHz

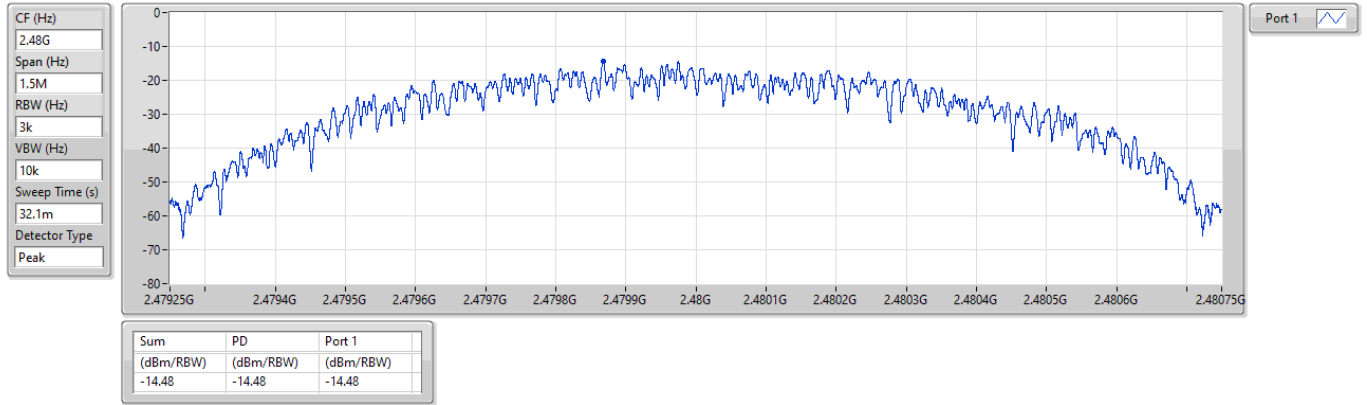




2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2480MHz



Configuration 2: Chip 1, model AW300
Summary

Mode	PD (dBm//3kHz)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-12.94
BT-LE(2Mbps)	-14.67

Result

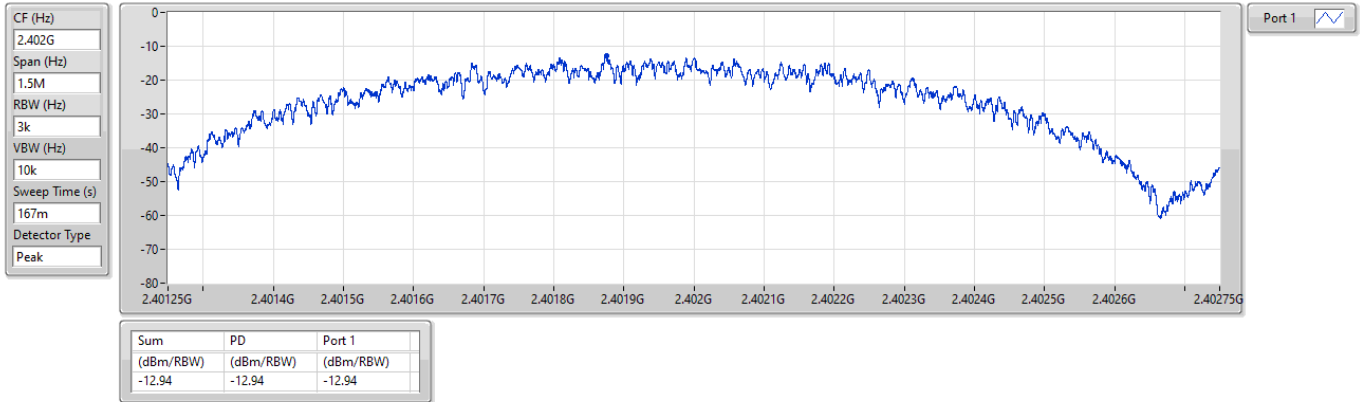
Mode	Result	Antenna Gain (dBi)	Power Density (dBm/3kHz)	Power Density Limit (dBm/3kHz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	4.95	-12.94	8.00
2440MHz	Pass	4.95	-13.17	8.00
2480MHz	Pass	4.95	-13.49	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	4.95	-14.67	8.00
2440MHz	Pass	4.95	-15.06	8.00
2480MHz	Pass	4.95	-15.25	8.00



2.4-2.4835GHz_BT-LE(1Mbps)

PSD

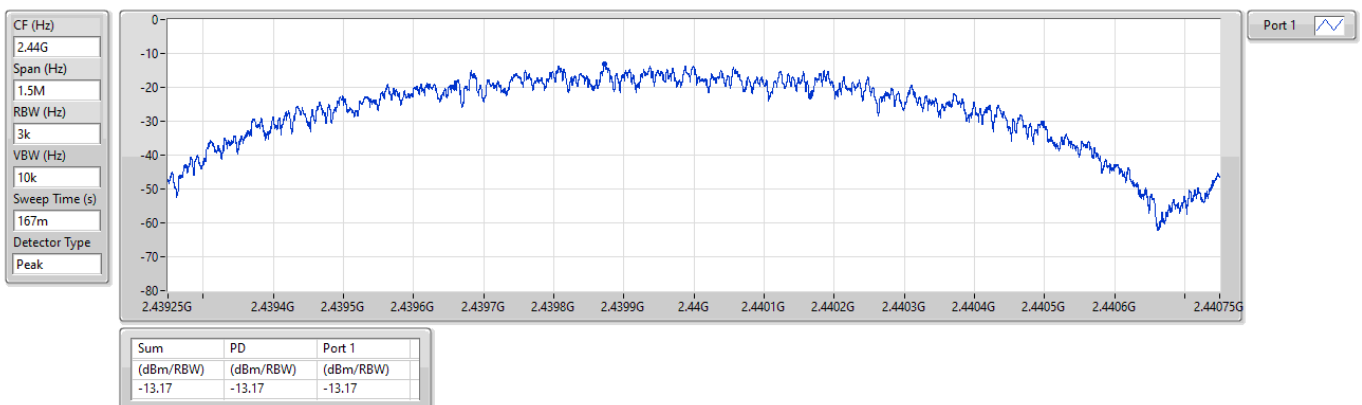
2402MHz



2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2440MHz

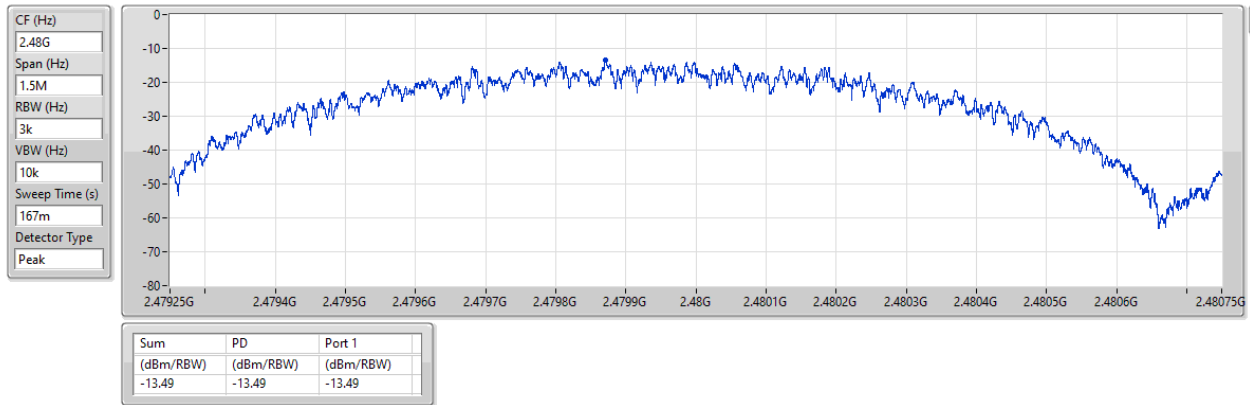




2.4-2.4835GHz_BT-LE(1Mbps)

PSD

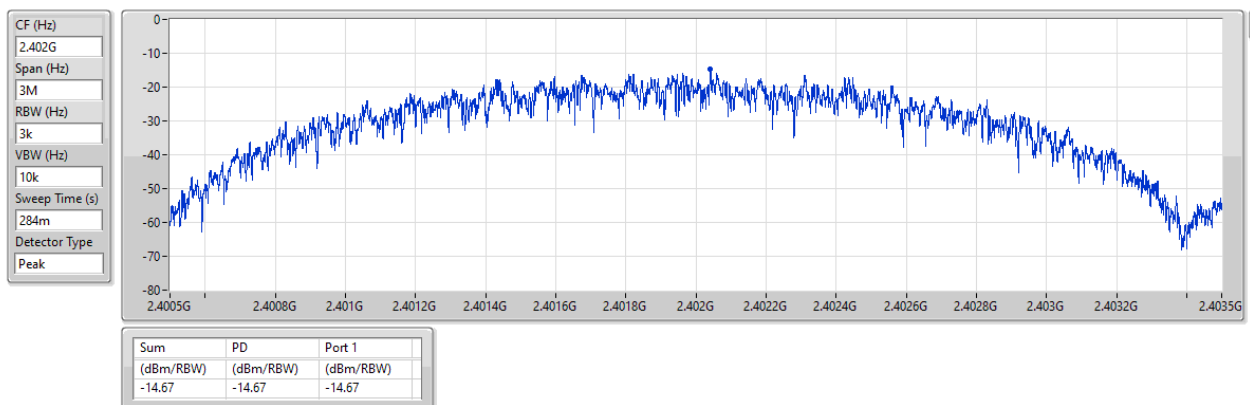
2480MHz



2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2402MHz

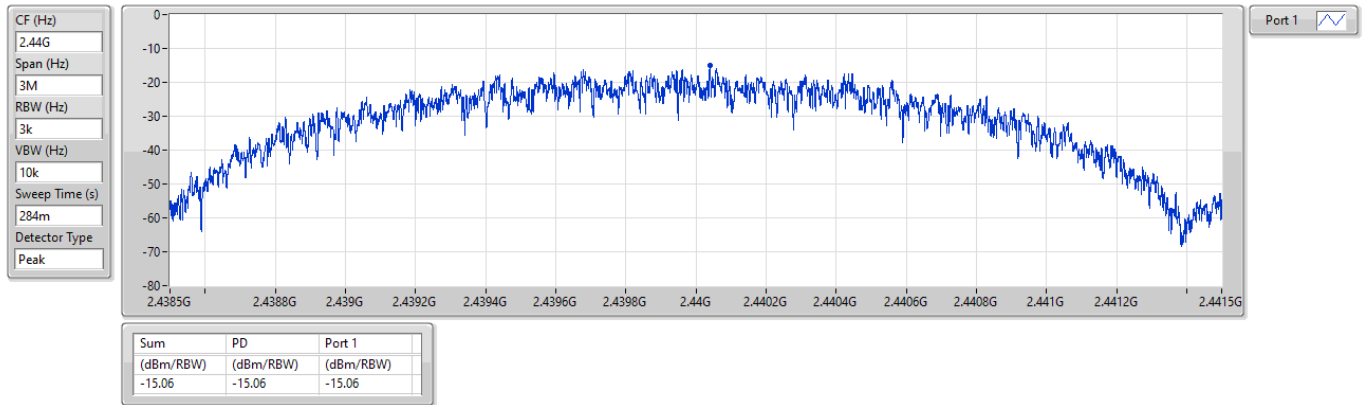




2.4-2.4835GHz_BT-LE(2Mbps)

PSD

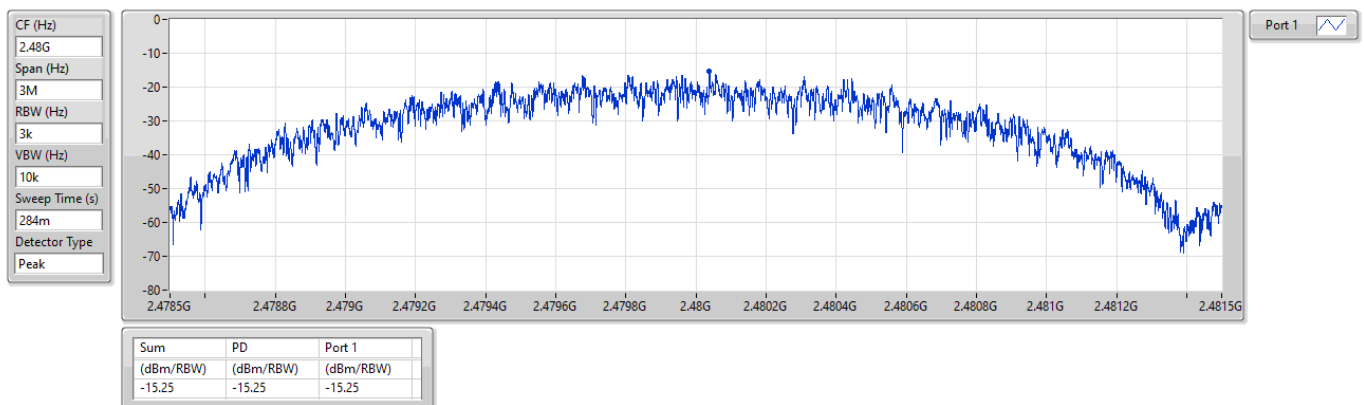
2440MHz



2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2480MHz



Configuration 3: Chip 2, model AW300
Summary

Mode	PD (dBm/3kHz)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-14.31
BT-LE(2Mbps)	-19.19

Result

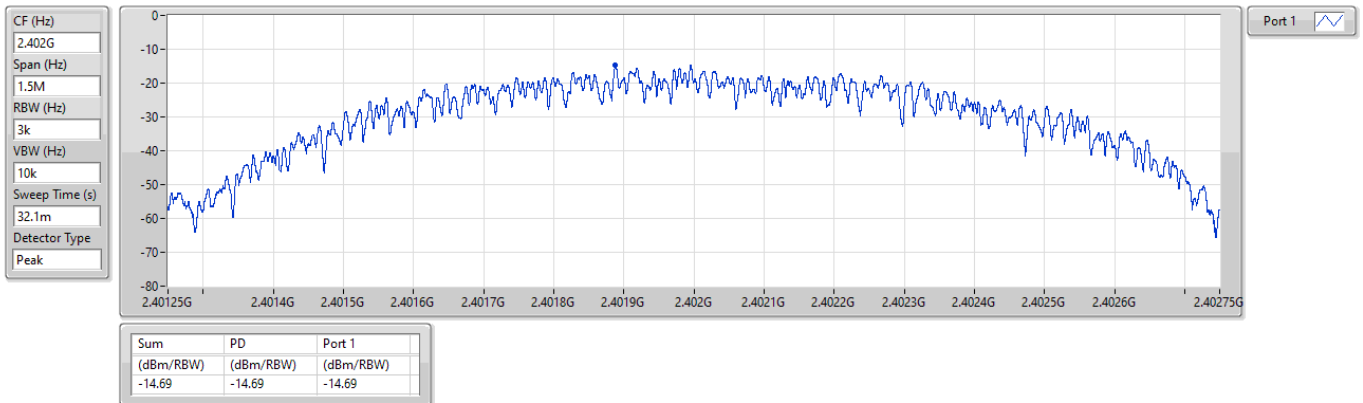
Mode	Result	Antenna Gain (dBi)	Power Density (dBm/3kHz)	Power Density Limit (dBm/3kHz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	1.29	-14.69	8.00
2440MHz	Pass	1.29	-14.36	8.00
2480MHz	Pass	1.29	-14.31	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	1.29	-19.63	8.00
2440MHz	Pass	1.29	-19.19	8.00
2480MHz	Pass	1.29	-19.28	8.00



2.4-2.4835GHz_BT-LE(1Mbps)

PSD

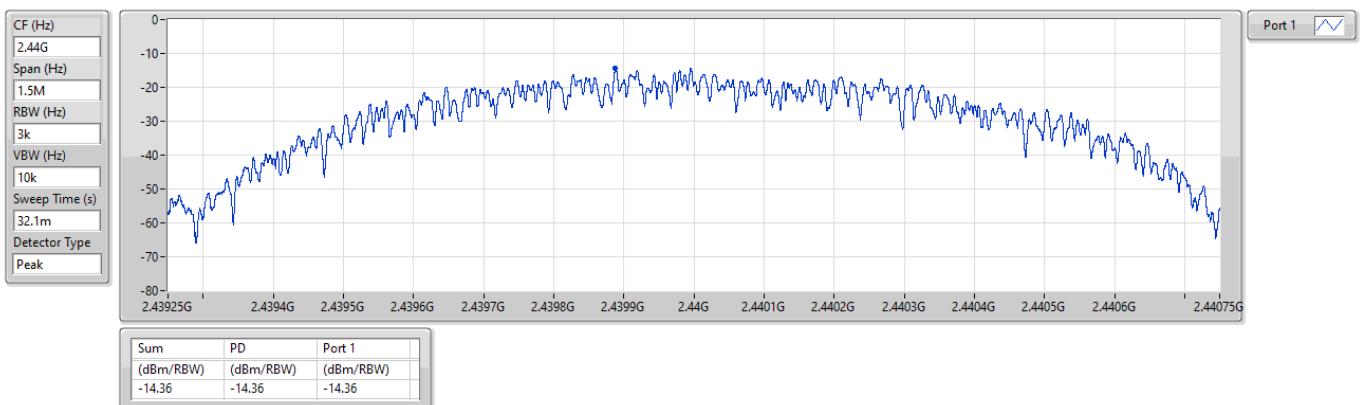
2402MHz



2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2440MHz

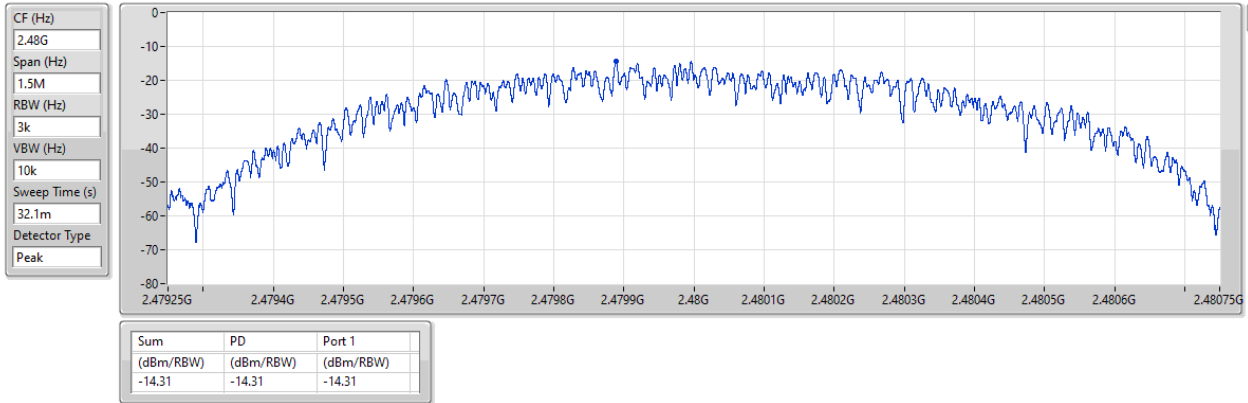




2.4-2.4835GHz_BT-LE(1Mbps)

PSD

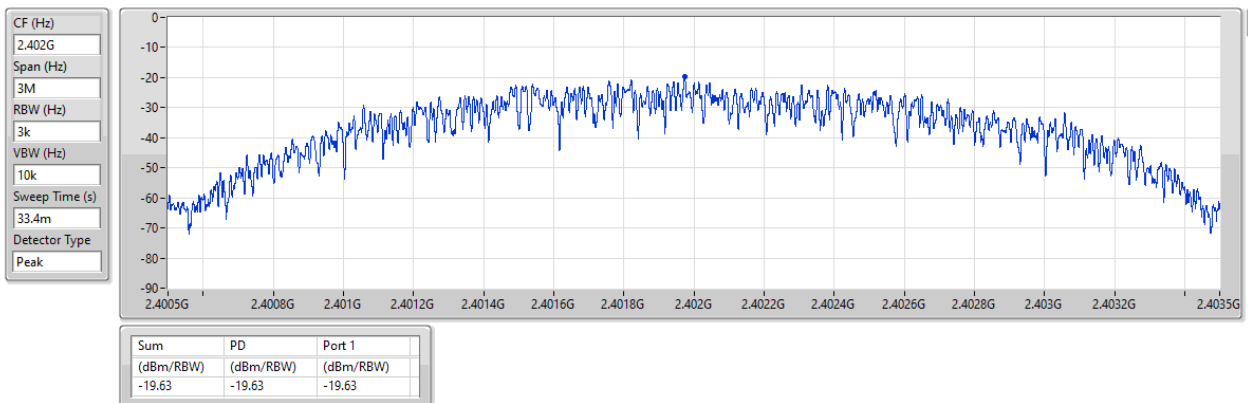
2480MHz



2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2402MHz

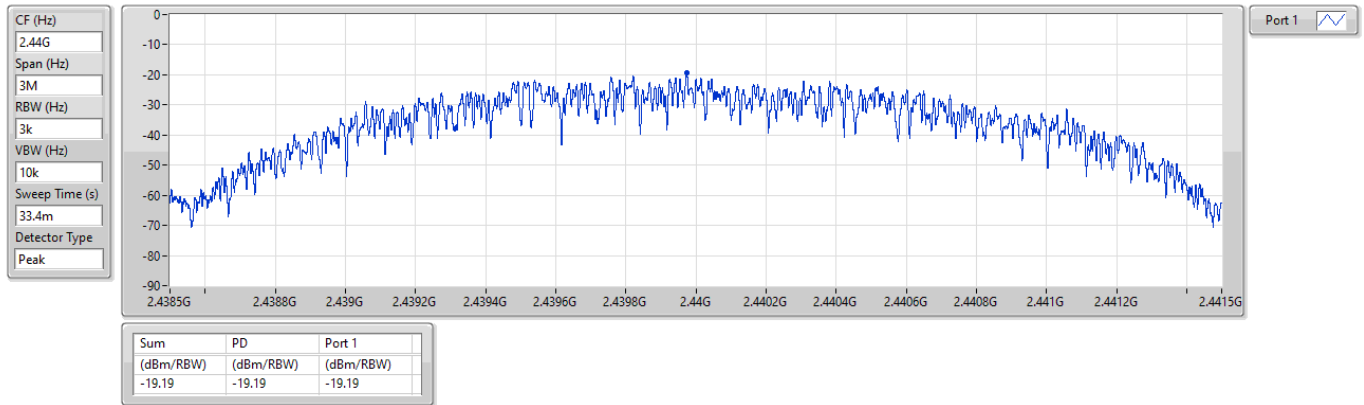




2.4-2.4835GHz_BT-LE(2Mbps)

PSD

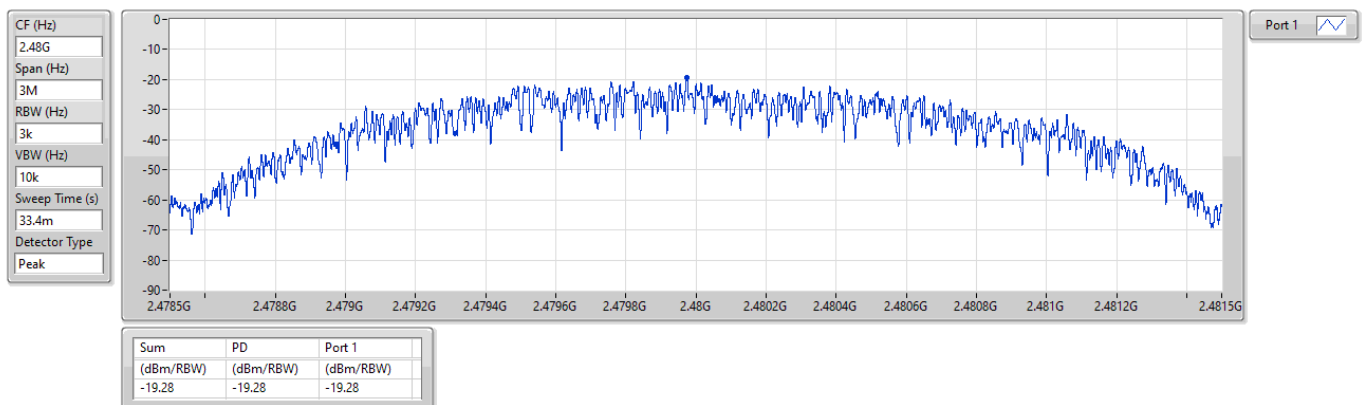
2440MHz



2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2480MHz





Configuration 1: Combo chip, model AW611

Summary

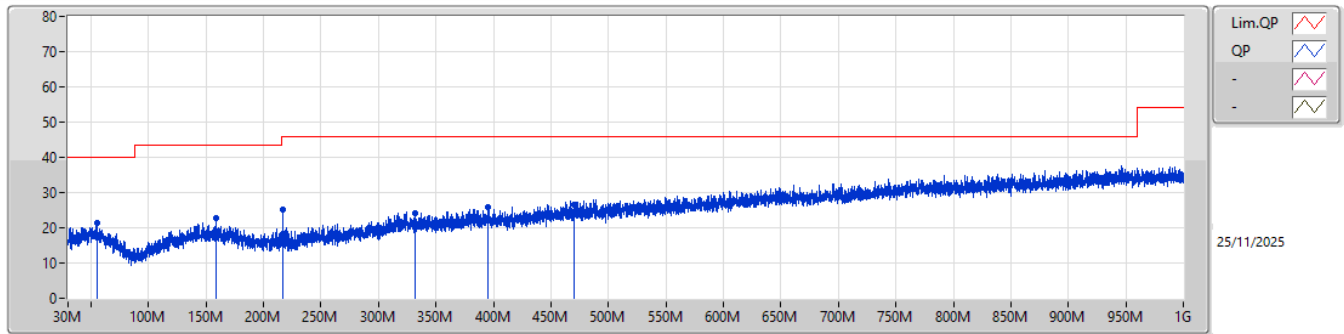
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	60M	36.53	40.00	-3.47	Vertical



Unwanted Emissions into Restricted Frequency Bands Below 1GHz

Appendix D.1

Mode 1



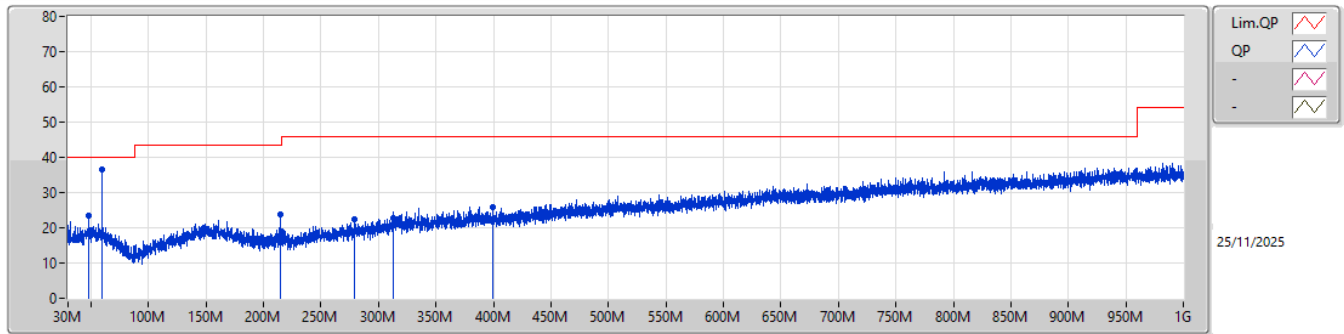
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	55.15M	21.45	40.00	-18.55	-8.62	3	Horizontal	-	-	-	30.07	18.52	0.82	27.96		
PK	159.11M	22.68	43.50	-20.82	-8.46	3	Horizontal	-	-	-	31.14	18.39	1.41	28.26		
PK	216.79M	25.26	46.00	-20.74	-11.68	3	Horizontal	-	-	-	36.94	14.86	1.76	28.30		
PK	332.13M	23.99	46.00	-22.01	-6.57	3	Horizontal	-	-	-	30.56	19.30	2.36	28.23		
PK	395.42M	25.86	46.00	-20.14	-4.74	3	Horizontal	-	-	-	30.60	20.70	2.70	28.14		
PK	470.12M	26.54	46.00	-19.46	-2.66	3	Horizontal	-	-	-	29.20	22.30	3.09	28.05		



Unwanted Emissions into Restricted Frequency Bands Below 1GHz

Appendix D.1

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	48.35M	23.48	40.00	-16.52	-8.48	3	Vertical	-	-	-	31.96	18.70	0.76	27.94		
PK	60.05M	36.42	40.00	-3.58	-8.97	3	Vertical	-	-	-	45.39	18.18	0.83	27.98		
PK	214.22M	23.75	43.50	-19.75	-11.63	3	Vertical	-	-	-	35.38	14.92	1.75	28.30		
PK	278.66M	22.26	46.00	-23.74	-8.33	3	Vertical	-	-	-	30.59	17.87	2.08	28.28		
PK	312.43M	22.59	46.00	-23.41	-7.20	3	Vertical	-	-	-	29.79	18.80	2.26	28.26		
PK	399.66M	25.95	46.00	-20.05	-4.71	3	Vertical	-	-	-	30.66	20.70	2.72	28.13		



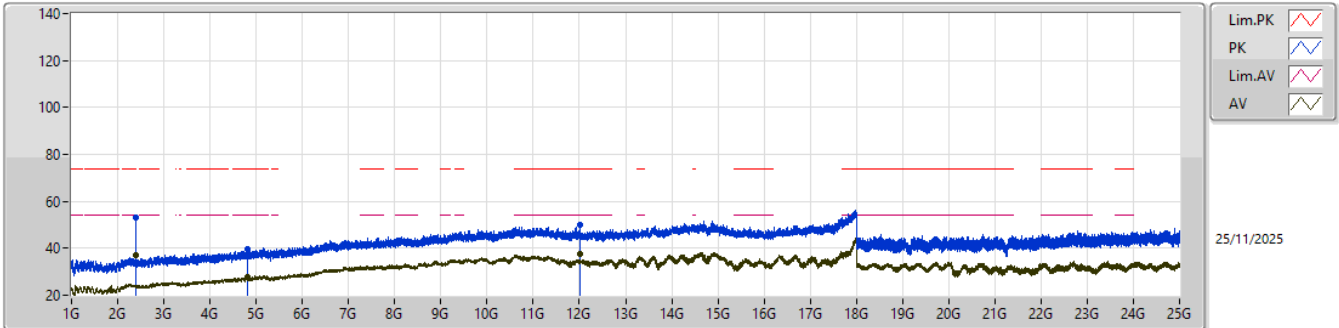
Configuration 1: Combo chip, model AW611

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	AV	12.01G	37.53	54.00	-16.47	3	Vertical	110	1.00	-

2.4-2.4835GHz_BT-LE(1Mbps)

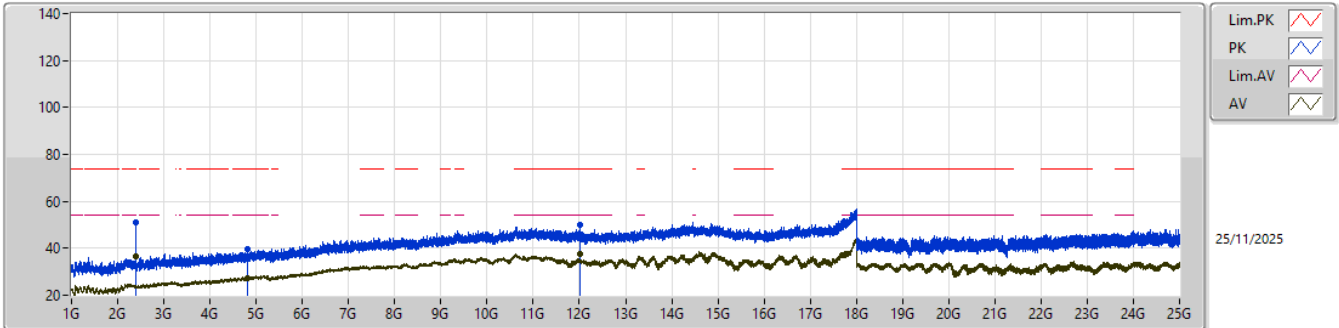
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)				
AV	2.39G	36.85	54.00	-17.15	40.59	3	Horizontal	354	2.01	-	27.60	5.11	36.45				
PK	2.39G	53.15	74.00	-20.85	56.89	3	Horizontal	354	2.01	-	27.60	5.11	36.45				
AV	4.804G	27.61	54.00	-26.39	27.39	3	Horizontal	55	1.00	-	31.20	7.27	38.25				
PK	4.804G	39.70	74.00	-34.30	39.48	3	Horizontal	55	1.00	-	31.20	7.27	38.25				
AV	12.01G	37.52	54.00	-16.48	29.32	3	Horizontal	120	1.00	-	38.82	11.63	42.25				
PK	12.01G	50.08	74.00	-23.92	41.88	3	Horizontal	120	1.00	-	38.82	11.63	42.25				

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.39G	36.61	54.00	-17.39	40.35	3	Vertical	205	1.00	-	27.60	5.11	36.45			
PK	2.39G	51.15	74.00	-22.85	54.89	3	Vertical	205	1.00	-	27.60	5.11	36.45			
AV	4.804G	27.38	54.00	-26.62	27.16	3	Vertical	65	1.00	-	31.20	7.27	38.25			
PK	4.804G	39.55	74.00	-34.45	39.33	3	Vertical	65	1.00	-	31.20	7.27	38.25			
AV	12.01G	37.53	54.00	-16.47	29.33	3	Vertical	110	1.00	-	38.82	11.63	42.25			
PK	12.01G	49.85	74.00	-24.15	41.65	3	Vertical	110	1.00	-	38.82	11.63	42.25			

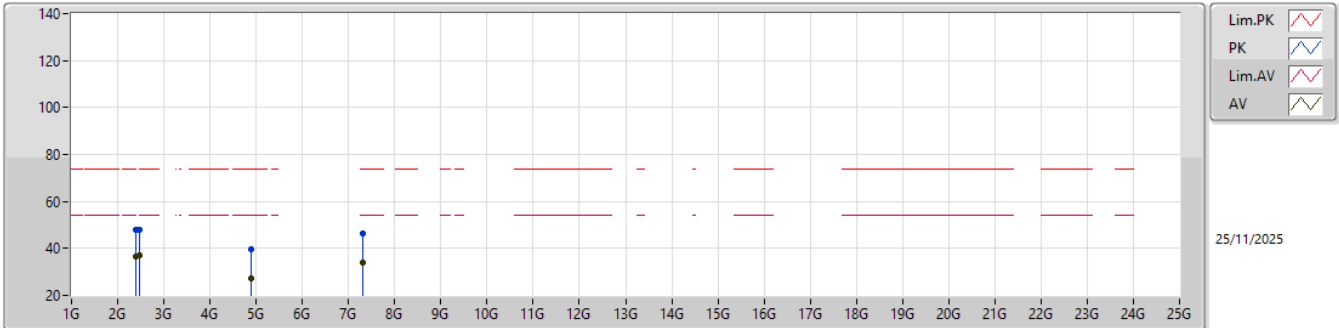


Unwanted Emissions into Restricted Frequency Bands Above 1GHz

Appendix D.1

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

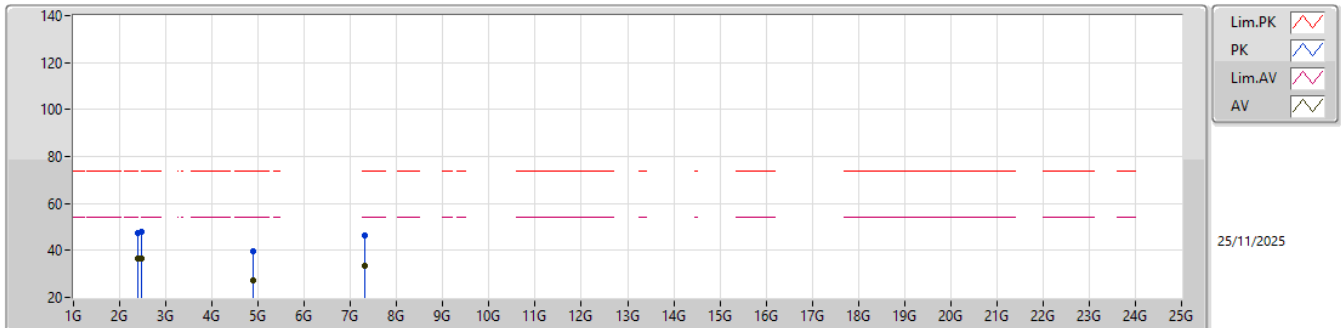


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.39G	36.71	54.00	-17.29	40.45	3	Horizontal	14	1.97	-	27.60	5.11	36.45			
PK	2.39G	47.85	74.00	-26.15	51.59	3	Horizontal	14	1.97	-	27.60	5.11	36.45			
AV	2.4835G	36.83	54.00	-17.17	40.62	3	Horizontal	14	1.97	-	27.54	5.21	36.54			
PK	2.4835G	48.09	74.00	-25.91	51.88	3	Horizontal	14	1.97	-	27.54	5.21	36.54			
AV	4.88G	27.50	54.00	-26.50	27.26	3	Horizontal	60	1.00	-	31.20	7.34	38.30			
PK	4.88G	39.80	74.00	-34.20	39.56	3	Horizontal	60	1.00	-	31.20	7.34	38.30			
AV	7.32G	33.75	54.00	-20.25	27.45	3	Horizontal	100	1.00	-	36.40	9.16	39.26			
PK	7.32G	46.53	74.00	-27.47	40.23	3	Horizontal	100	1.00	-	36.40	9.16	39.26			



2.4-2.4835GHz_BT-LE(1Mbps)

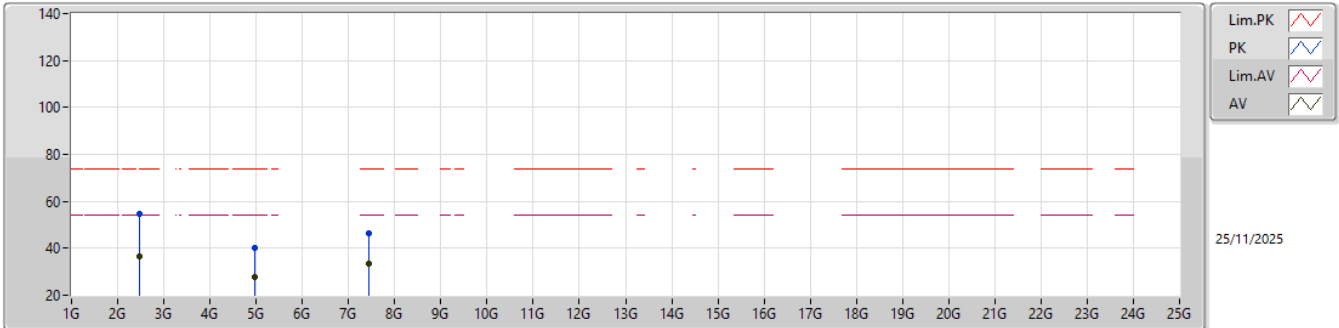
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.39G	36.41	54.00	-17.59	40.15	3	Vertical	208	1.00	-	27.60	5.11	36.45			
PK	2.39G	47.54	74.00	-26.46	51.28	3	Vertical	208	1.00	-	27.60	5.11	36.45			
AV	2.4835G	36.43	54.00	-17.57	40.22	3	Vertical	208	1.00	-	27.54	5.21	36.54			
PK	2.4835G	47.74	74.00	-26.26	51.53	3	Vertical	208	1.00	-	27.54	5.21	36.54			
AV	4.88G	27.42	54.00	-26.58	27.18	3	Vertical	70	1.00	-	31.20	7.34	38.30			
PK	4.88G	39.79	74.00	-34.21	39.55	3	Vertical	70	1.00	-	31.20	7.34	38.30			
AV	7.32G	33.58	54.00	-20.42	27.28	3	Vertical	80	1.00	-	36.40	9.16	39.26			
PK	7.32G	46.56	74.00	-27.44	40.26	3	Vertical	80	1.00	-	36.40	9.16	39.26			

2.4-2.4835GHz_BT-LE(1Mbps)

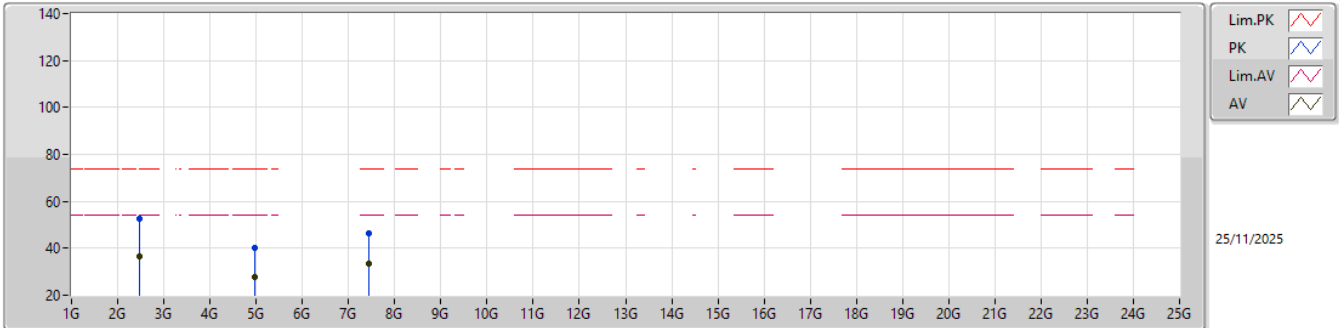
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.4835G	36.77	54.00	-17.23	40.56	3	Horizontal	20	1.92	-	27.54	5.21	36.54			
PK	2.4835G	54.65	74.00	-19.35	58.44	3	Horizontal	20	1.92	-	27.54	5.21	36.54			
AV	4.96G	27.89	54.00	-26.11	27.39	3	Horizontal	80	1.00	-	31.44	7.41	38.35			
PK	4.96G	40.08	74.00	-33.92	39.58	3	Horizontal	80	1.00	-	31.44	7.41	38.35			
AV	7.44G	33.68	54.00	-20.32	27.43	3	Horizontal	90	1.00	-	36.38	9.25	39.38			
PK	7.44G	46.51	74.00	-27.49	40.26	3	Horizontal	90	1.00	-	36.38	9.25	39.38			

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.4835G	36.77	54.00	-17.23	40.56	3	Vertical	202	1.00	-	27.54	5.21	36.54			
PK	2.4835G	52.66	74.00	-21.34	56.45	3	Vertical	202	1.00	-	27.54	5.21	36.54			
AV	4.96G	27.71	54.00	-26.29	27.21	3	Vertical	40	1.00	-	31.44	7.41	38.35			
PK	4.96G	40.18	74.00	-33.82	39.68	3	Vertical	40	1.00	-	31.44	7.41	38.35			
AV	7.44G	33.66	54.00	-20.34	27.41	3	Vertical	30	1.00	-	36.38	9.25	39.38			
PK	7.44G	46.47	74.00	-27.53	40.22	3	Vertical	30	1.00	-	36.38	9.25	39.38			



Configuration 2: Chip 1, model AW300

Summary

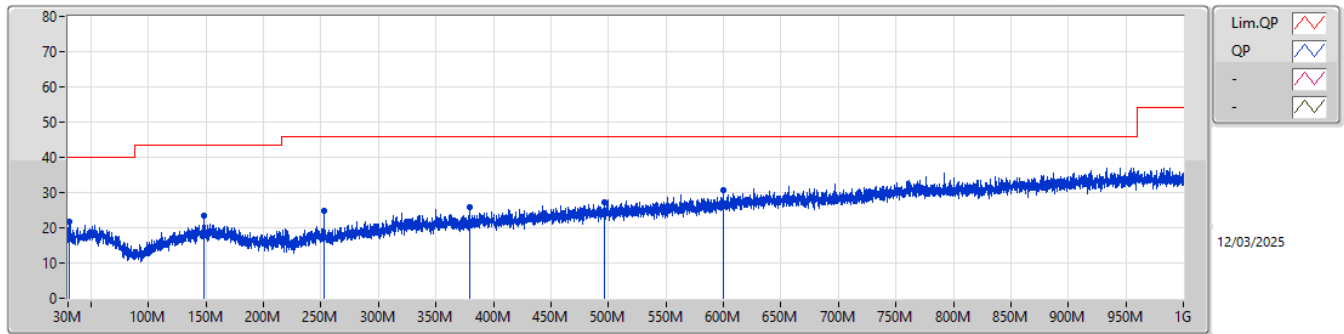
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	60M	36.53	40.00	-3.47	Vertical



Unwanted Emissions into Restricted Frequency Bands Below 1GHz

Appendix D.2

Mode 1



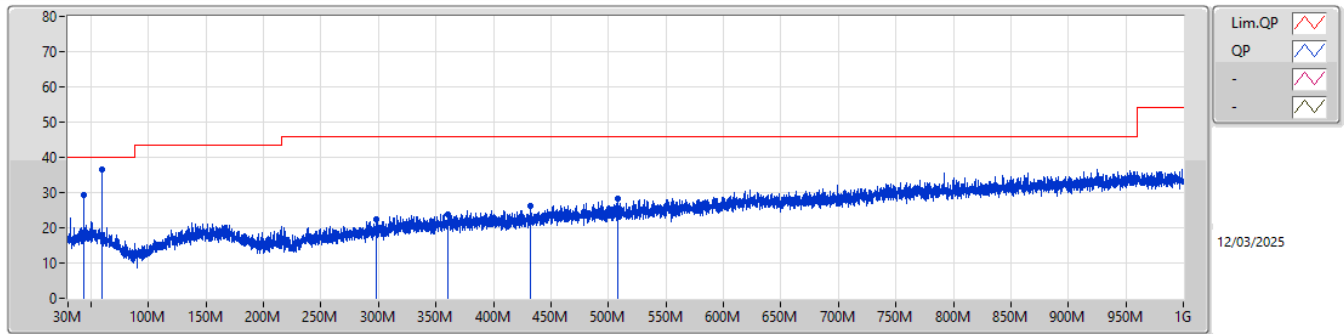
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	31.1M	21.88	40.00	-18.12	-10.14	3	Horizontal	-	-	-	32.02	17.40	0.46	28.00		
PK	148.1M	23.47	43.50	-20.03	-8.70	3	Horizontal	-	-	-	32.17	18.21	1.18	28.09		
PK	252.6M	24.72	46.00	-21.28	-9.87	3	Horizontal	-	-	-	34.59	16.70	1.60	28.17		
PK	378.9M	25.81	46.00	-20.19	-5.83	3	Horizontal	-	-	-	31.64	20.06	2.14	28.03		
PK	496.1M	27.17	46.00	-18.83	-2.94	3	Horizontal	-	-	-	30.11	22.30	2.67	27.91		
PK	600M	30.80	46.00	-15.20	-0.54	3	Horizontal	-	-	-	31.34	24.30	2.98	27.82		



Unwanted Emissions into Restricted Frequency Bands Below 1GHz

Appendix D.2

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	43.7M	29.35	40.00	-10.65	-9.19	3	Vertical	-	-	-	38.54	18.26	0.58	28.03		
PK	60M	36.53	40.00	-3.47	-9.17	3	Vertical	-	-	-	45.70	18.20	0.68	28.05		
PK	297.6M	22.29	46.00	-23.71	-8.26	3	Vertical	-	-	-	30.55	18.15	1.79	28.20		
PK	359.9M	23.79	46.00	-22.21	-6.73	3	Vertical	-	-	-	30.52	19.30	2.04	28.07		
PK	432.2M	26.15	46.00	-19.85	-4.31	3	Vertical	-	-	-	30.46	21.29	2.36	27.96		
PK	508.6M	28.33	46.00	-17.67	-2.61	3	Vertical	-	-	-	30.94	22.57	2.72	27.90		



Configuration 2: Chip 1, model AW300

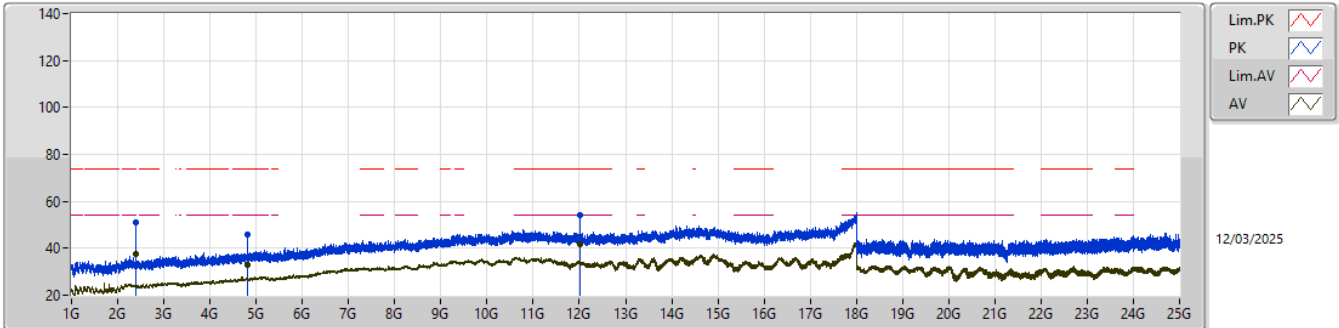
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	AV	12.01G	41.91	54.00	-12.09	3	Vertical	113	1.00	-
BT-LE(2Mbps)	Pass	AV	12.01G	42.06	54.00	-11.94	3	Horizontal	108	1.00	-



2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

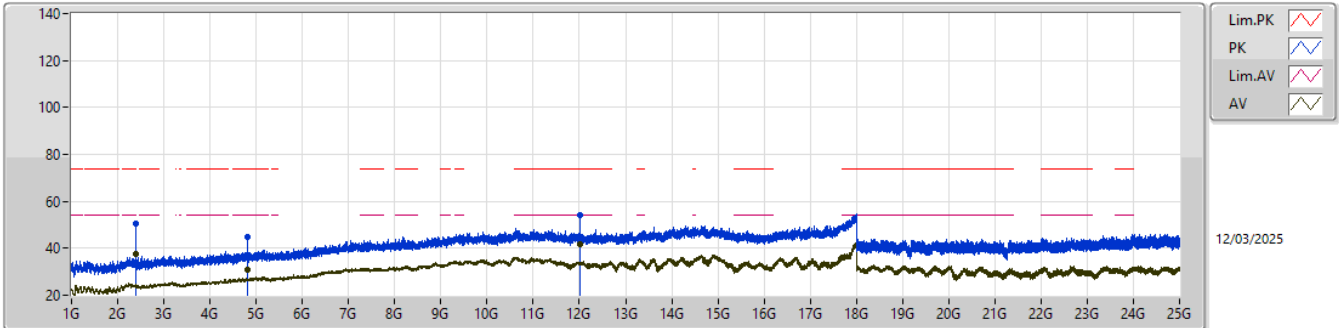


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)				
AV	2.39G	37.51	54.00	-16.49	41.38	3	Horizontal	117	1.86	-	27.60	4.95	36.42				
PK	2.39G	50.81	74.00	-23.19	54.68	3	Horizontal	117	1.86	-	27.60	4.95	36.42				
AV	4.804G	33.01	54.00	-20.99	33.27	3	Horizontal	265	1.00	-	31.20	6.74	38.20				
PK	4.804G	45.97	74.00	-28.03	46.23	3	Horizontal	265	1.00	-	31.20	6.74	38.20				
AV	12.01G	41.90	54.00	-12.10	34.68	3	Horizontal	112	1.00	-	38.82	10.54	42.14				
PK	12.01G	53.97	74.00	-20.03	46.75	3	Horizontal	112	1.00	-	38.82	10.54	42.14				



2.4-2.4835GHz_BT-LE(1Mbps)

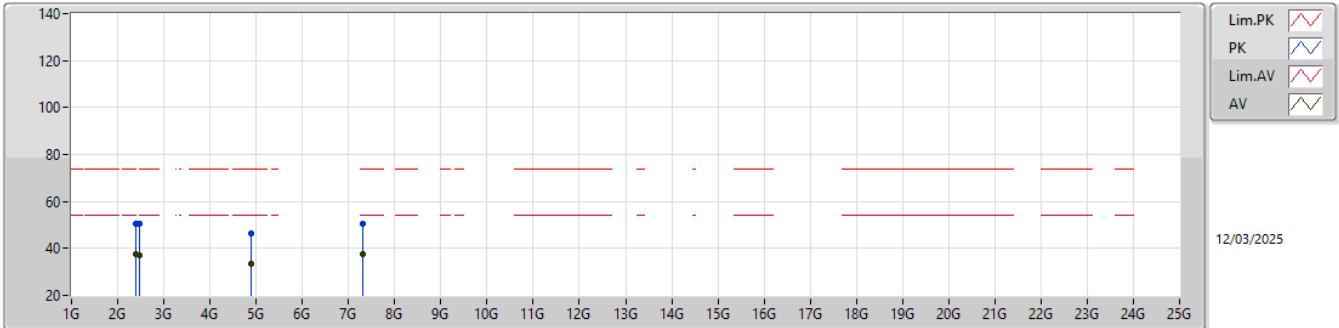
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.39G	37.43	54.00	-16.57	41.30	3	Vertical	180	1.00	-	27.60	4.95	36.42			
PK	2.39G	50.64	74.00	-23.36	54.51	3	Vertical	180	1.00	-	27.60	4.95	36.42			
AV	4.804G	31.03	54.00	-22.97	31.29	3	Vertical	160	1.00	-	31.20	6.74	38.20			
PK	4.804G	45.05	74.00	-28.95	45.31	3	Vertical	160	1.00	-	31.20	6.74	38.20			
AV	12.01G	41.91	54.00	-12.09	34.69	3	Vertical	113	1.00	-	38.82	10.54	42.14			
PK	12.01G	53.94	74.00	-20.06	46.72	3	Vertical	113	1.00	-	38.82	10.54	42.14			

2.4-2.4835GHz_BT-LE(1Mbps)

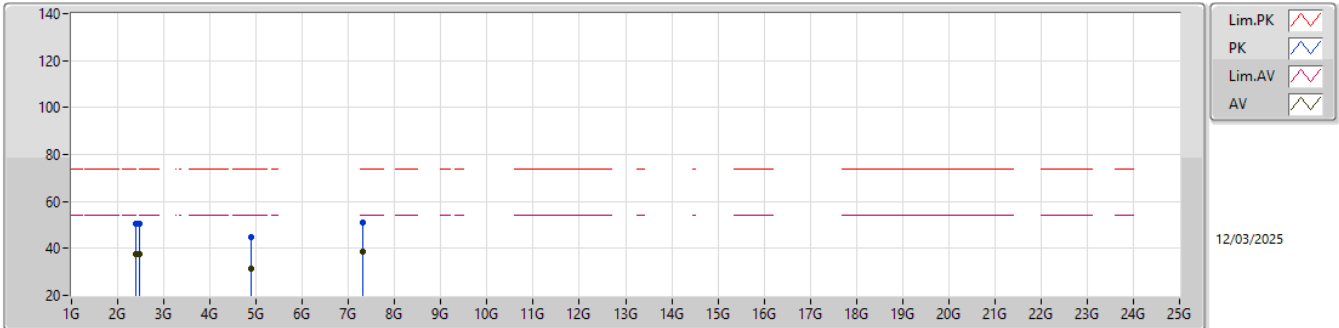
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.39G	37.46	54.00	-16.54	41.33	3	Horizontal	113	1.94	-	27.60	4.95	36.42			
PK	2.39G	50.35	74.00	-23.65	54.22	3	Horizontal	113	1.94	-	27.60	4.95	36.42			
AV	2.4835G	37.30	54.00	-16.70	41.26	3	Horizontal	113	1.94	-	27.54	5.01	36.51			
PK	2.4835G	50.32	74.00	-23.68	54.28	3	Horizontal	113	1.94	-	27.54	5.01	36.51			
AV	4.88G	33.36	54.00	-20.64	33.63	3	Horizontal	208	1.00	-	31.20	6.78	38.25			
PK	4.88G	46.18	74.00	-27.82	46.45	3	Horizontal	208	1.00	-	31.20	6.78	38.25			
AV	7.32G	37.41	54.00	-16.59	31.92	3	Horizontal	118	1.00	-	36.40	8.25	39.16			
PK	7.32G	50.62	74.00	-23.38	45.13	3	Horizontal	118	1.00	-	36.40	8.25	39.16			

2.4-2.4835GHz_BT-LE(1Mbps)

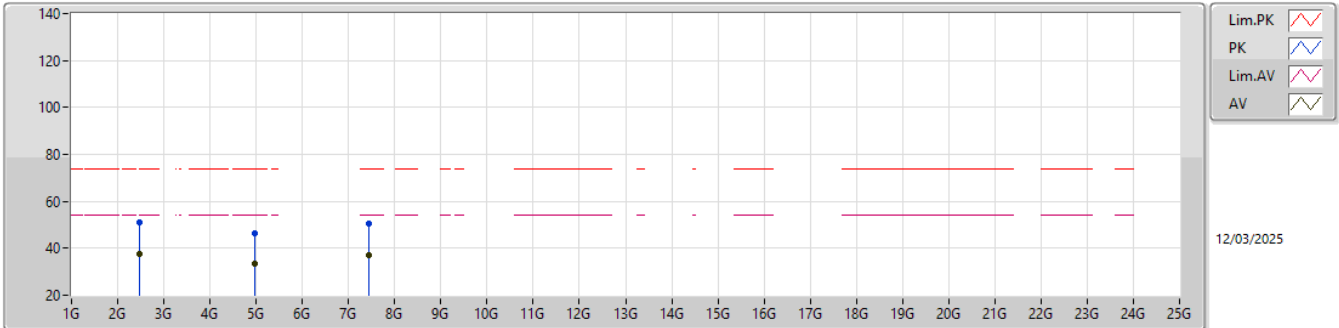
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.39G	37.36	54.00	-16.64	41.23	3	Vertical	177	1.00	-	27.60	4.95	36.42			
PK	2.39G	50.64	74.00	-23.36	54.51	3	Vertical	177	1.00	-	27.60	4.95	36.42			
AV	2.4835G	37.35	54.00	-16.65	41.31	3	Vertical	177	1.00	-	27.54	5.01	36.51			
PK	2.4835G	50.31	74.00	-23.69	54.27	3	Vertical	177	1.00	-	27.54	5.01	36.51			
AV	4.88G	31.27	54.00	-22.73	31.54	3	Vertical	128	1.00	-	31.20	6.78	38.25			
PK	4.88G	44.76	74.00	-29.24	45.03	3	Vertical	128	1.00	-	31.20	6.78	38.25			
AV	7.32G	38.54	54.00	-15.46	33.05	3	Vertical	20	1.00	-	36.40	8.25	39.16			
PK	7.32G	51.06	74.00	-22.94	45.57	3	Vertical	20	1.00	-	36.40	8.25	39.16			

2.4-2.4835GHz_BT-LE(1Mbps)

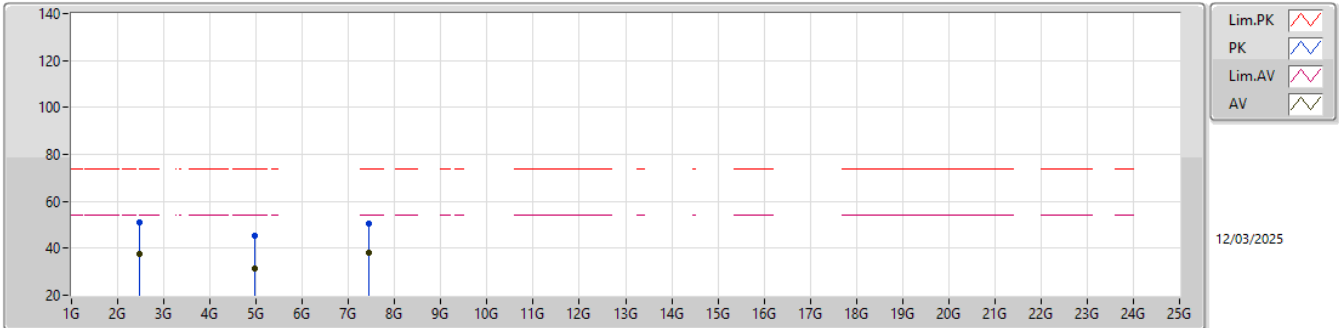
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.4835G	37.72	54.00	-16.28	41.68	3	Horizontal	117	1.96	-	27.54	5.01	36.51			
PK	2.4835G	51.15	74.00	-22.85	55.11	3	Horizontal	117	1.96	-	27.54	5.01	36.51			
AV	4.96G	33.39	54.00	-20.61	33.42	3	Horizontal	213	1.00	-	31.44	6.83	38.30			
PK	4.96G	46.23	74.00	-27.77	46.26	3	Horizontal	213	1.00	-	31.44	6.83	38.30			
AV	7.44G	37.22	54.00	-16.78	31.84	3	Horizontal	108	1.00	-	36.38	8.30	39.30			
PK	7.44G	50.60	74.00	-23.40	45.22	3	Horizontal	108	1.00	-	36.38	8.30	39.30			

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

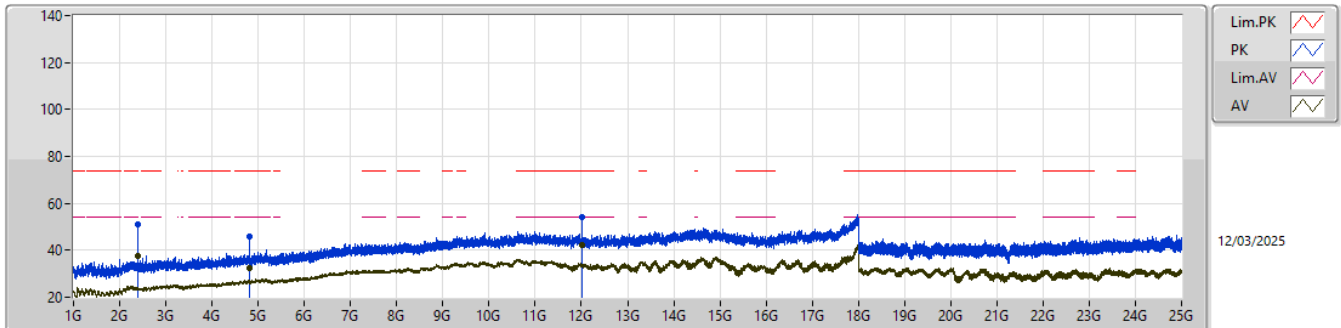


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.4835G	37.55	54.00	-16.45	41.51	3	Vertical	181	1.00	-	27.54	5.01	36.51			
PK	2.4835G	50.79	74.00	-23.21	54.75	3	Vertical	181	1.00	-	27.54	5.01	36.51			
AV	4.96G	31.43	54.00	-22.57	31.46	3	Vertical	126	1.00	-	31.44	6.83	38.30			
PK	4.96G	45.09	74.00	-28.91	45.12	3	Vertical	126	1.00	-	31.44	6.83	38.30			
AV	7.44G	38.23	54.00	-15.77	32.85	3	Vertical	23	1.00	-	36.38	8.30	39.30			
PK	7.44G	50.61	74.00	-23.39	45.23	3	Vertical	23	1.00	-	36.38	8.30	39.30			



2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

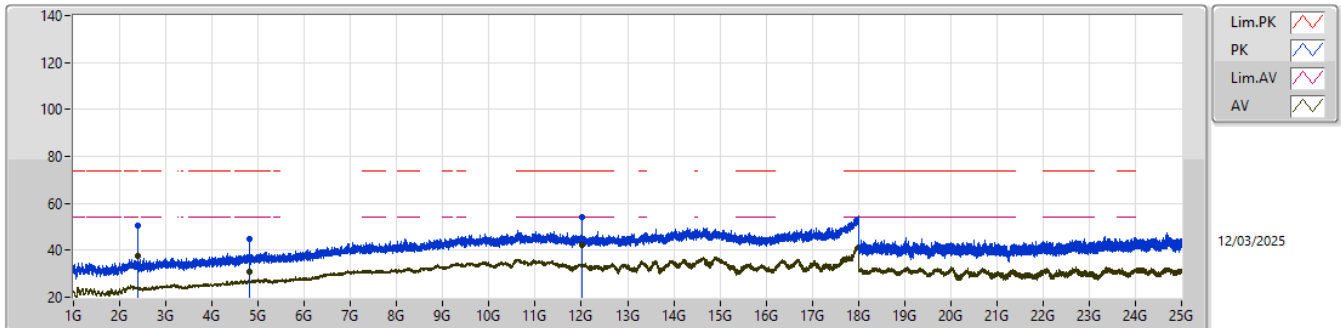


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.39G	37.64	54.00	-16.36	41.51	3	Horizontal	115	1.88	-	27.60	4.95	36.42			
PK	2.39G	50.97	74.00	-23.03	54.84	3	Horizontal	115	1.88	-	27.60	4.95	36.42			
AV	4.804G	32.51	54.00	-21.49	32.77	3	Horizontal	223	1.00	-	31.20	6.74	38.20			
PK	4.804G	45.68	74.00	-28.32	45.94	3	Horizontal	223	1.00	-	31.20	6.74	38.20			
AV	12.01G	42.06	54.00	-11.94	34.84	3	Horizontal	108	1.00	-	38.82	10.54	42.14			
PK	12.01G	54.07	74.00	-19.93	46.85	3	Horizontal	108	1.00	-	38.82	10.54	42.14			



2.4-2.4835GHz_BT-LE(2Mbps)

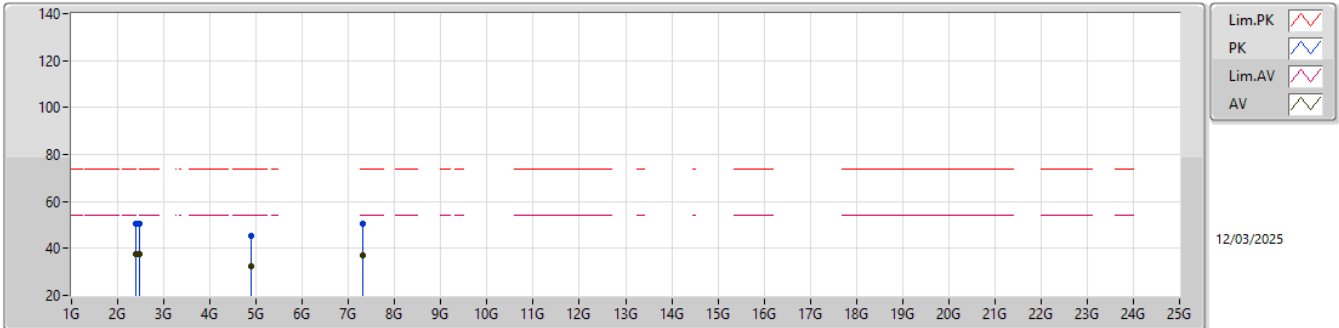
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.39G	37.39	54.00	-16.61	41.26	3	Vertical	172	1.00	-	27.60	4.95	36.42			
PK	2.39G	50.59	74.00	-23.41	54.46	3	Vertical	172	1.00	-	27.60	4.95	36.42			
AV	4.804G	31.00	54.00	-23.00	31.26	3	Vertical	158	1.00	-	31.20	6.74	38.20			
PK	4.804G	44.68	74.00	-29.32	44.94	3	Vertical	158	1.00	-	31.20	6.74	38.20			
AV	12.01G	42.01	54.00	-11.99	34.79	3	Vertical	126	1.00	-	38.82	10.54	42.14			
PK	12.01G	54.08	74.00	-19.92	46.86	3	Vertical	126	1.00	-	38.82	10.54	42.14			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.39G	37.39	54.00	-16.61	41.26	3	Horizontal	108	1.98	-	27.60	4.95	36.42			
PK	2.39G	50.46	74.00	-23.54	54.33	3	Horizontal	108	1.98	-	27.60	4.95	36.42			
AV	2.4835G	37.39	54.00	-16.61	41.35	3	Horizontal	108	1.98	-	27.54	5.01	36.51			
PK	2.4835G	50.42	74.00	-23.58	54.38	3	Horizontal	108	1.98	-	27.54	5.01	36.51			
AV	4.88G	32.57	54.00	-21.43	32.84	3	Horizontal	221	1.00	-	31.20	6.78	38.25			
PK	4.88G	45.57	74.00	-28.43	45.84	3	Horizontal	221	1.00	-	31.20	6.78	38.25			
AV	7.32G	37.05	54.00	-16.95	31.56	3	Horizontal	120	1.00	-	36.40	8.25	39.16			
PK	7.32G	50.69	74.00	-23.31	45.20	3	Horizontal	120	1.00	-	36.40	8.25	39.16			

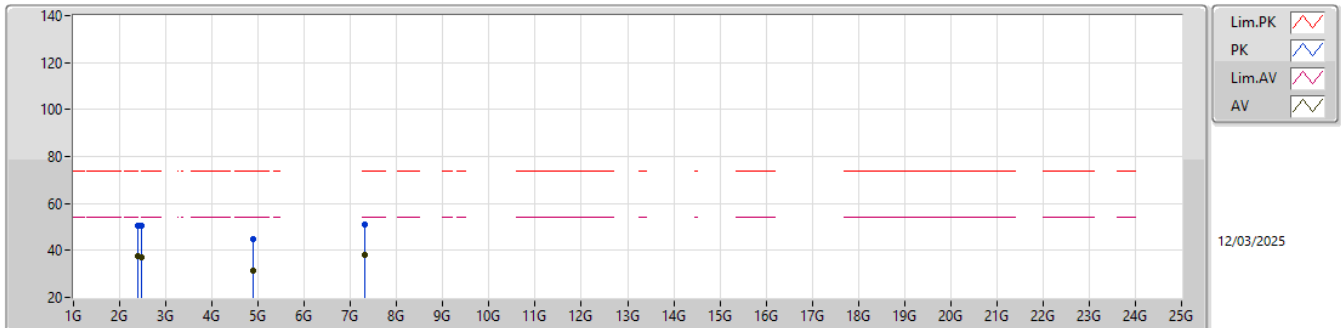


Unwanted Emissions into Restricted Frequency Bands Above 1GHz

Appendix D.2

2.4-2.4835GHz_BT-LE(2Mbps)

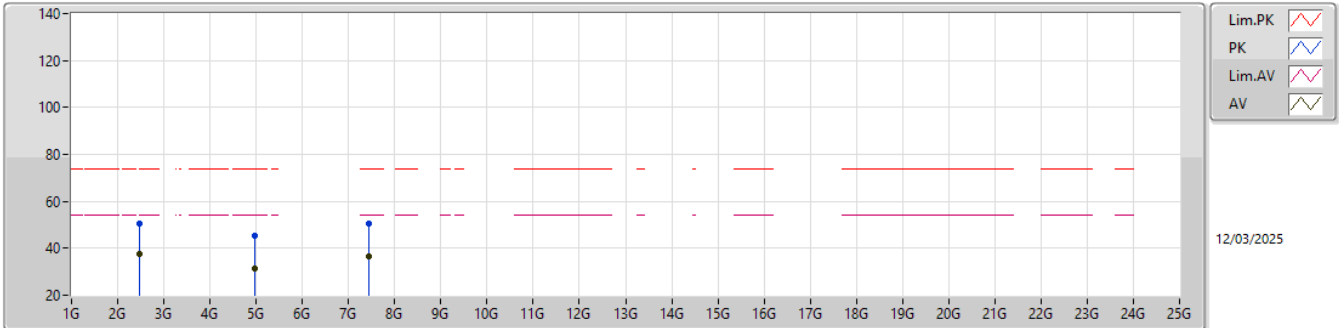
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.39G	37.42	54.00	-16.58	41.29	3	Vertical	185	1.00	-	27.60	4.95	36.42			
PK	2.39G	50.58	74.00	-23.42	54.45	3	Vertical	185	1.00	-	27.60	4.95	36.42			
AV	2.4835G	37.31	54.00	-16.69	41.27	3	Vertical	185	1.00	-	27.54	5.01	36.51			
PK	2.4835G	50.34	74.00	-23.66	54.30	3	Vertical	185	1.00	-	27.54	5.01	36.51			
AV	4.88G	31.22	54.00	-22.78	31.49	3	Vertical	134	1.00	-	31.20	6.78	38.25			
PK	4.88G	44.93	74.00	-29.07	45.20	3	Vertical	134	1.00	-	31.20	6.78	38.25			
AV	7.32G	38.00	54.00	-16.00	32.51	3	Vertical	26	1.00	-	36.40	8.25	39.16			
PK	7.32G	50.78	74.00	-23.22	45.29	3	Vertical	26	1.00	-	36.40	8.25	39.16			

2.4-2.4835GHz_BT-LE(2Mbps)

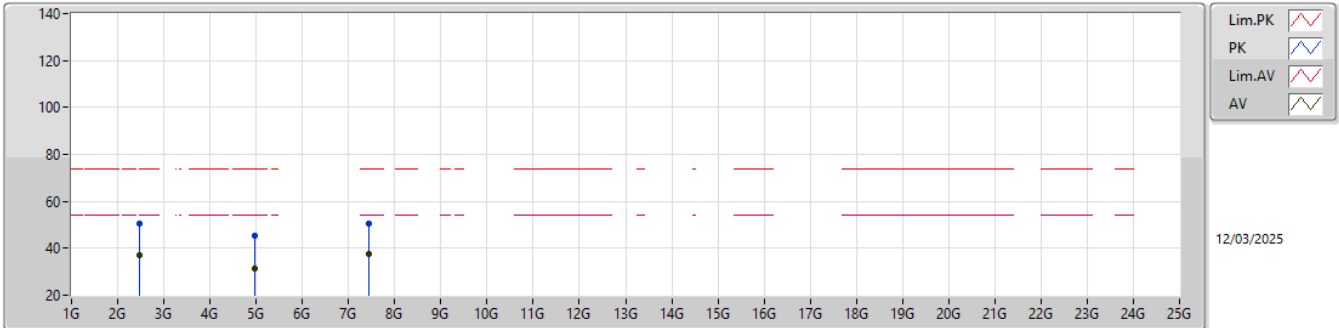
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.4835G	37.37	54.00	-16.63	41.33	3	Horizontal	119	1.96	-	27.54	5.01	36.51			
PK	2.4835G	50.30	74.00	-23.70	54.26	3	Horizontal	119	1.96	-	27.54	5.01	36.51			
AV	4.96G	31.21	54.00	-22.79	31.24	3	Horizontal	223	1.00	-	31.44	6.83	38.30			
PK	4.96G	45.28	74.00	-28.72	45.31	3	Horizontal	223	1.00	-	31.44	6.83	38.30			
AV	7.44G	36.60	54.00	-17.40	31.22	3	Horizontal	115	1.00	-	36.38	8.30	39.30			
PK	7.44G	50.61	74.00	-23.39	45.23	3	Horizontal	115	1.00	-	36.38	8.30	39.30			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.4835G	37.26	54.00	-16.74	41.22	3	Vertical	175	1.00	-	27.54	5.01	36.51			
PK	2.4835G	50.32	74.00	-23.68	54.28	3	Vertical	175	1.00	-	27.54	5.01	36.51			
AV	4.96G	31.40	54.00	-22.60	31.43	3	Vertical	122	1.00	-	31.44	6.83	38.30			
PK	4.96G	45.16	74.00	-28.84	45.19	3	Vertical	122	1.00	-	31.44	6.83	38.30			
AV	7.44G	37.66	54.00	-16.34	32.28	3	Vertical	23	1.00	-	36.38	8.30	39.30			
PK	7.44G	50.76	74.00	-23.24	45.38	3	Vertical	23	1.00	-	36.38	8.30	39.30			



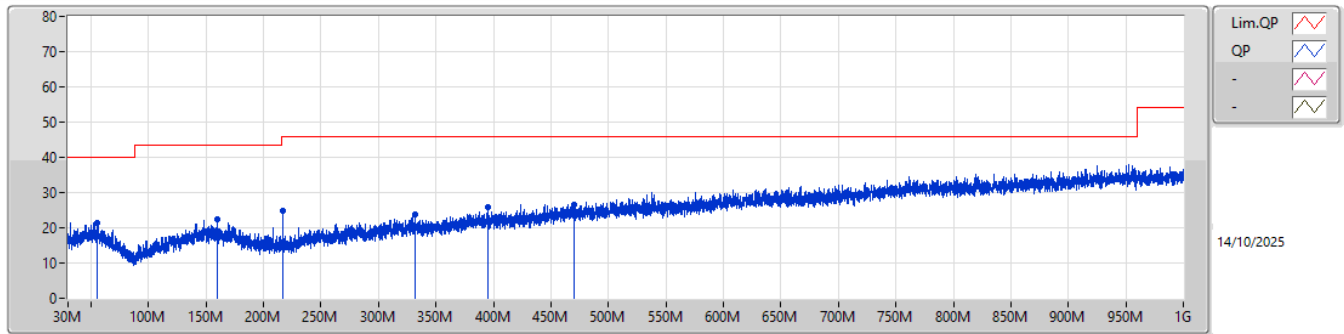
Configuration 3: Chip 2, model AW300

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	60M	36.55	40.00	-3.45	Vertical



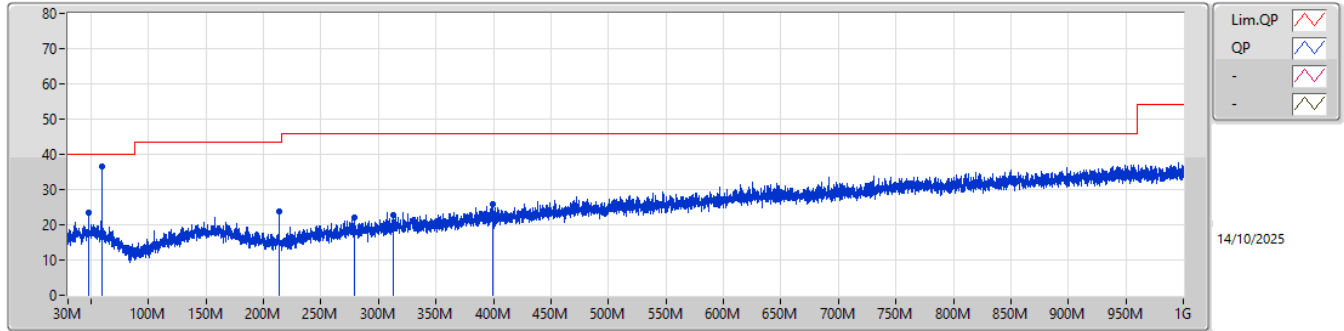
Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	55.3M	21.23	40.00	-18.77	-8.61	3	Horizontal	-	-	-	29.84	18.53	0.82	27.96		
PK	159.33M	22.52	43.50	-20.98	-8.48	3	Horizontal	-	-	-	31.00	18.37	1.41	28.26		
PK	216.97M	24.81	46.00	-21.19	-11.68	3	Horizontal	-	-	-	36.49	14.86	1.76	28.30		
PK	332.25M	23.79	46.00	-22.21	-6.57	3	Horizontal	-	-	-	30.36	19.30	2.36	28.23		
PK	395.51M	25.75	46.00	-20.25	-4.74	3	Horizontal	-	-	-	30.49	20.70	2.70	28.14		
PK	470.01M	26.64	46.00	-19.36	-2.66	3	Horizontal	-	-	-	29.30	22.30	3.09	28.05		



Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	48.28M	23.31	40.00	-16.69	-8.48	3	Vertical	-	-	-	31.79	18.70	0.76	27.94		
PK	60M	36.55	40.00	-3.45	-8.95	3	Vertical	-	-	-	45.50	18.20	0.83	27.98		
PK	214.16M	23.87	43.50	-19.63	-11.63	3	Vertical	-	-	-	35.50	14.92	1.75	28.30		
PK	278.83M	22.08	46.00	-23.92	-8.32	3	Vertical	-	-	-	30.40	17.88	2.08	28.28		
PK	312.57M	22.80	46.00	-23.20	-7.20	3	Vertical	-	-	-	30.00	18.80	2.26	28.26		
PK	399.72M	25.77	46.00	-20.23	-4.71	3	Vertical	-	-	-	30.48	20.70	2.72	28.13		



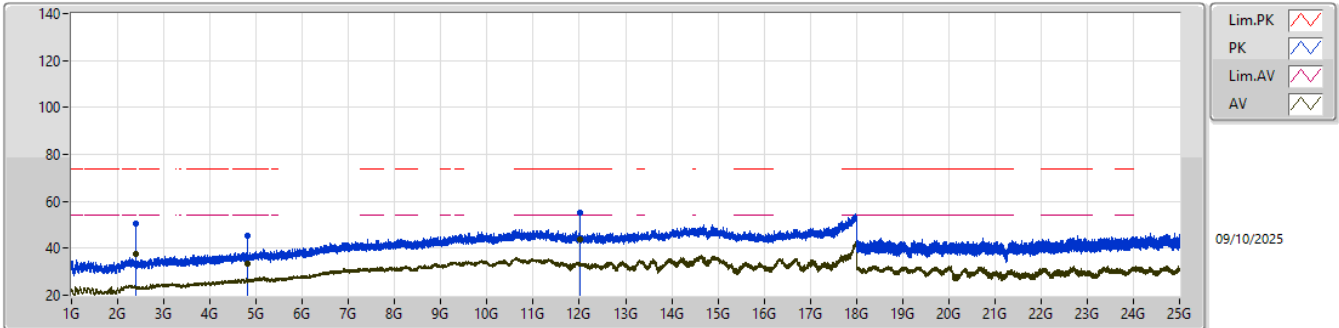
Configuration 3: Chip 2, model AW300

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	AV	12.01G	43.90	54.00	-10.10	3	Horizontal	249	1.00	-
BT-LE(2Mbps)	Pass	AV	12.01G	43.73	54.00	-10.27	3	Horizontal	247	1.00	-

2.4-2.4835GHz_BT-LE(1Mbps)

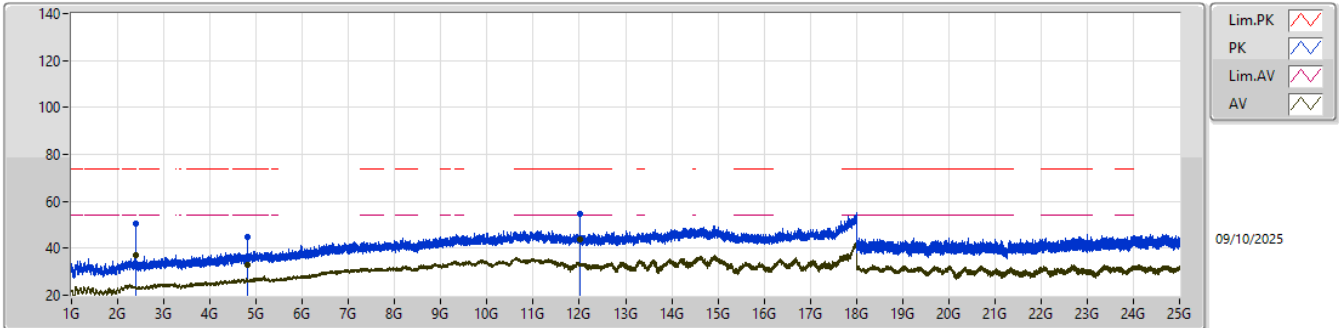
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)				
AV	2.39G	37.38	54.00	-16.62	41.57	3	Horizontal	255	1.00	-	27.60	4.66	36.45				
PK	2.39G	50.66	74.00	-23.34	54.85	3	Horizontal	255	1.00	-	27.60	4.66	36.45				
AV	4.804G	33.49	54.00	-20.51	33.92	3	Horizontal	259	1.00	-	31.20	6.62	38.25				
PK	4.804G	45.37	74.00	-28.63	45.80	3	Horizontal	259	1.00	-	31.20	6.62	38.25				
AV	12.01G	43.90	54.00	-10.10	36.89	3	Horizontal	249	1.00	-	38.82	10.44	42.25				
PK	12.01G	55.29	74.00	-18.71	48.28	3	Horizontal	249	1.00	-	38.82	10.44	42.25				

2.4-2.4835GHz_BT-LE(1Mbps)

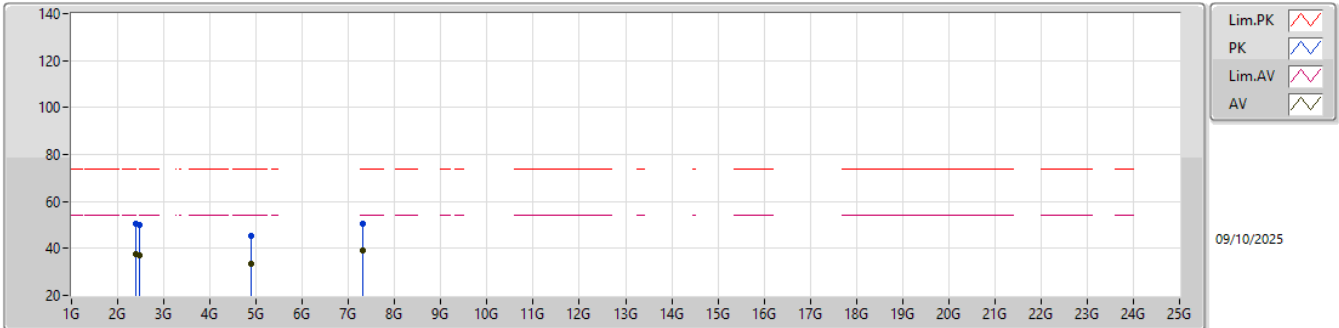
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.39G	37.09	54.00	-16.91	41.28	3	Vertical	204	1.00	-	27.60	4.66	36.45			
PK	2.39G	50.43	74.00	-23.57	54.62	3	Vertical	204	1.00	-	27.60	4.66	36.45			
AV	4.804G	33.09	54.00	-20.91	33.52	3	Vertical	193	1.00	-	31.20	6.62	38.25			
PK	4.804G	45.05	74.00	-28.95	45.48	3	Vertical	193	1.00	-	31.20	6.62	38.25			
AV	12.01G	43.63	54.00	-10.37	36.62	3	Vertical	201	1.00	-	38.82	10.44	42.25			
PK	12.01G	54.88	74.00	-19.12	47.87	3	Vertical	201	1.00	-	38.82	10.44	42.25			

2.4-2.4835GHz_BT-LE(1Mbps)

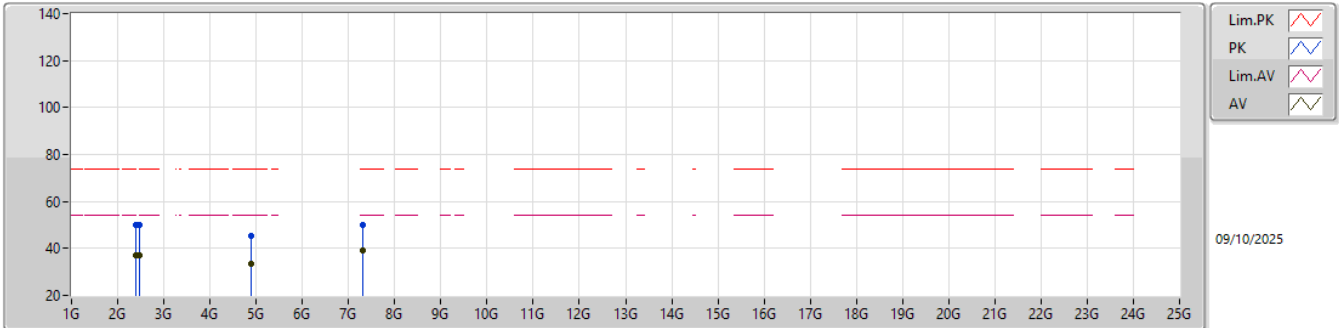
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.39G	37.35	54.00	-16.65	41.54	3	Horizontal	257	1.00	-	27.60	4.66	36.45			
PK	2.39G	50.26	74.00	-23.74	54.45	3	Horizontal	257	1.00	-	27.60	4.66	36.45			
AV	2.4835G	37.12	54.00	-16.88	41.37	3	Horizontal	257	1.00	-	27.54	4.75	36.54			
PK	2.4835G	50.14	74.00	-23.86	54.39	3	Horizontal	257	1.00	-	27.54	4.75	36.54			
AV	4.88G	33.53	54.00	-20.47	33.95	3	Horizontal	255	1.00	-	31.20	6.68	38.30			
PK	4.88G	45.47	74.00	-28.53	45.89	3	Horizontal	255	1.00	-	31.20	6.68	38.30			
AV	7.32G	39.28	54.00	-14.72	33.76	3	Horizontal	269	1.00	-	36.40	8.38	39.26			
PK	7.32G	50.39	74.00	-23.61	44.87	3	Horizontal	269	1.00	-	36.40	8.38	39.26			

2.4-2.4835GHz_BT-LE(1Mbps)

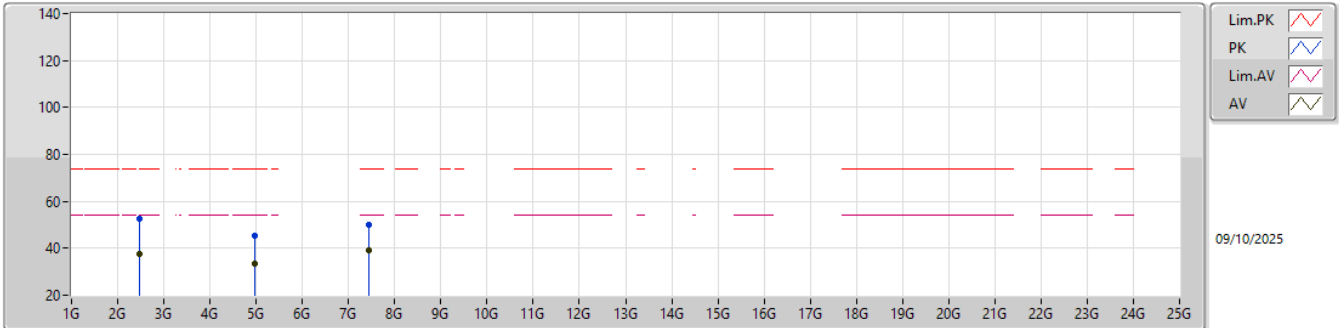
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.39G	37.08	54.00	-16.92	41.27	3	Vertical	210	1.00	-	27.60	4.66	36.45			
PK	2.39G	50.13	74.00	-23.87	54.32	3	Vertical	210	1.00	-	27.60	4.66	36.45			
AV	2.4835G	36.90	54.00	-17.10	41.15	3	Vertical	210	1.00	-	27.54	4.75	36.54			
PK	2.4835G	50.03	74.00	-23.97	54.28	3	Vertical	210	1.00	-	27.54	4.75	36.54			
AV	4.88G	33.20	54.00	-20.80	33.62	3	Vertical	199	1.00	-	31.20	6.68	38.30			
PK	4.88G	45.11	74.00	-28.89	45.53	3	Vertical	199	1.00	-	31.20	6.68	38.30			
AV	7.32G	38.96	54.00	-15.04	33.44	3	Vertical	205	1.00	-	36.40	8.38	39.26			
PK	7.32G	49.94	74.00	-24.06	44.42	3	Vertical	205	1.00	-	36.40	8.38	39.26			

2.4-2.4835GHz_BT-LE(1Mbps)

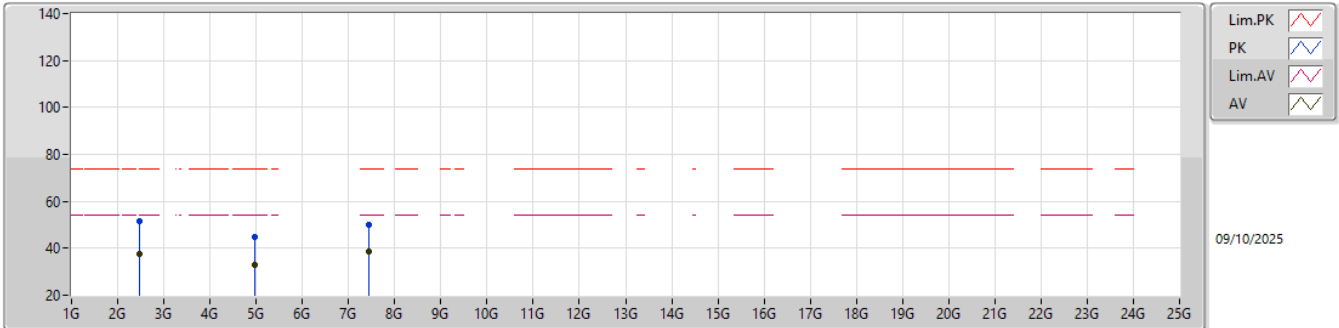
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.4835G	37.65	54.00	-16.35	41.90	3	Horizontal	248	2.34	-	27.54	4.75	36.54			
PK	2.4835G	52.63	74.00	-21.37	56.88	3	Horizontal	248	2.34	-	27.54	4.75	36.54			
AV	4.96G	33.45	54.00	-20.55	33.61	3	Horizontal	261	1.00	-	31.44	6.75	38.35			
PK	4.96G	45.37	74.00	-28.63	45.53	3	Horizontal	261	1.00	-	31.44	6.75	38.35			
AV	7.44G	39.15	54.00	-14.85	33.69	3	Horizontal	272	1.00	-	36.38	8.46	39.38			
PK	7.44G	50.24	74.00	-23.76	44.78	3	Horizontal	272	1.00	-	36.38	8.46	39.38			

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

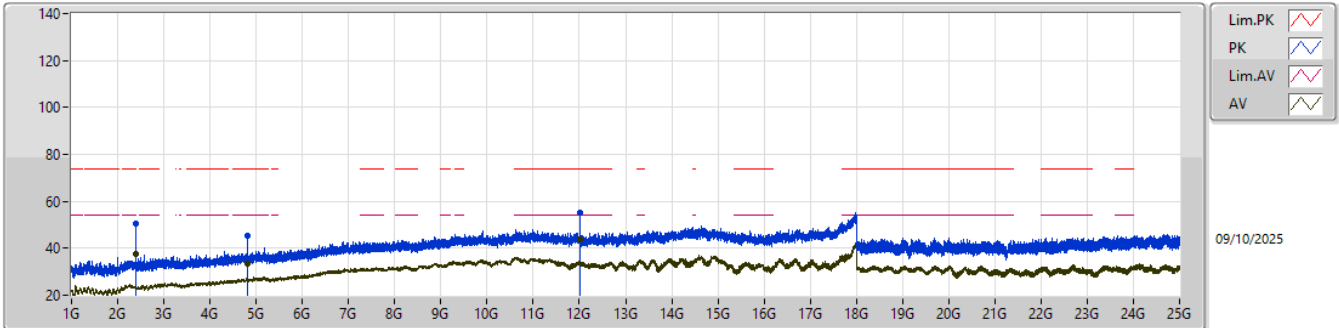


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.4835G	37.63	54.00	-16.37	41.88	3	Vertical	217	1.18	-	27.54	4.75	36.54			
PK	2.4835G	51.52	74.00	-22.48	55.77	3	Vertical	217	1.18	-	27.54	4.75	36.54			
AV	4.96G	33.05	54.00	-20.95	33.21	3	Vertical	200	1.00	-	31.44	6.75	38.35			
PK	4.96G	45.02	74.00	-28.98	45.18	3	Vertical	200	1.00	-	31.44	6.75	38.35			
AV	7.44G	38.79	54.00	-15.21	33.33	3	Vertical	198	1.00	-	36.38	8.46	39.38			
PK	7.44G	49.75	74.00	-24.25	44.29	3	Vertical	198	1.00	-	36.38	8.46	39.38			



2.4-2.4835GHz_BT-LE(2Mbps)

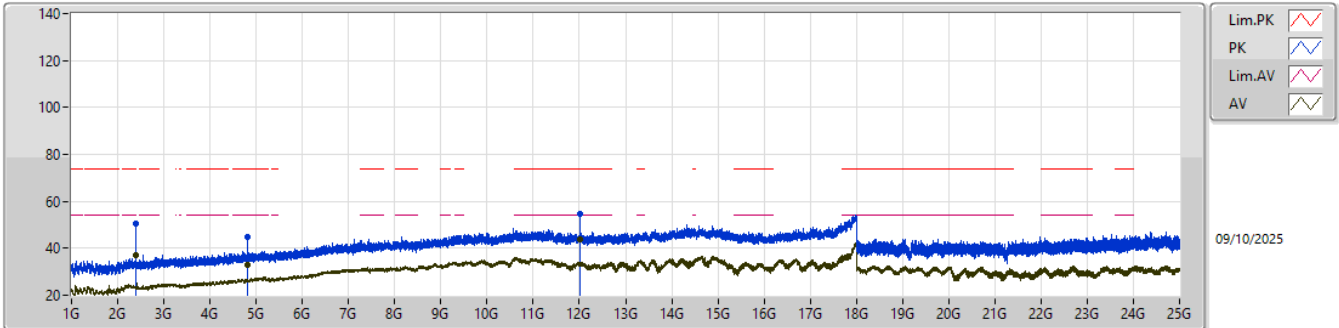
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)				
AV	2.39G	37.47	54.00	-16.53	41.66	3	Horizontal	259	1.00	-	27.60	4.66	36.45				
PK	2.39G	50.72	74.00	-23.28	54.91	3	Horizontal	259	1.00	-	27.60	4.66	36.45				
AV	4.804G	33.38	54.00	-20.62	33.81	3	Horizontal	258	1.00	-	31.20	6.62	38.25				
PK	4.804G	45.26	74.00	-28.74	45.69	3	Horizontal	258	1.00	-	31.20	6.62	38.25				
AV	12.01G	43.73	54.00	-10.27	36.72	3	Horizontal	247	1.00	-	38.82	10.44	42.25				
PK	12.01G	55.16	74.00	-18.84	48.15	3	Horizontal	247	1.00	-	38.82	10.44	42.25				

2.4-2.4835GHz_BT-LE(2Mbps)

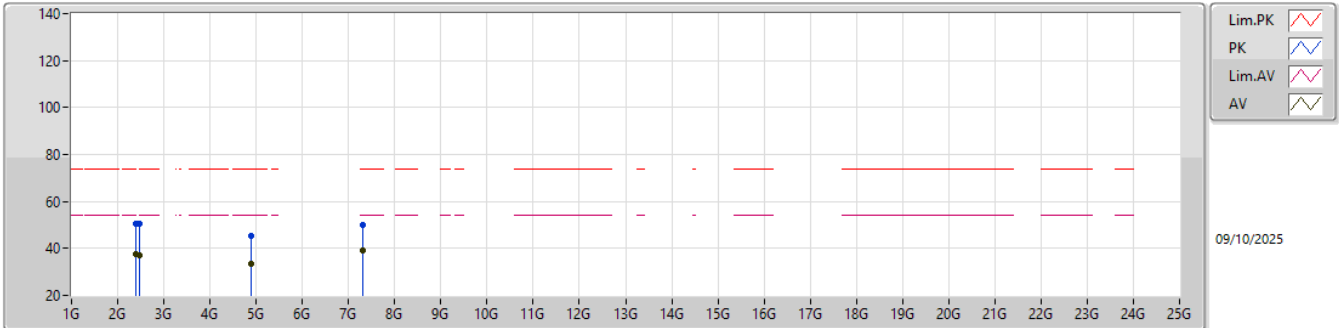
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.39G	37.25	54.00	-16.75	41.44	3	Vertical	207	1.00	-	27.60	4.66	36.45			
PK	2.39G	50.54	74.00	-23.46	54.73	3	Vertical	207	1.00	-	27.60	4.66	36.45			
AV	4.804G	32.99	54.00	-21.01	33.42	3	Vertical	197	1.00	-	31.20	6.62	38.25			
PK	4.804G	44.93	74.00	-29.07	45.36	3	Vertical	197	1.00	-	31.20	6.62	38.25			
AV	12.01G	43.56	54.00	-10.44	36.55	3	Vertical	203	1.00	-	38.82	10.44	42.25			
PK	12.01G	54.80	74.00	-19.20	47.79	3	Vertical	203	1.00	-	38.82	10.44	42.25			

2.4-2.4835GHz_BT-LE(2Mbps)

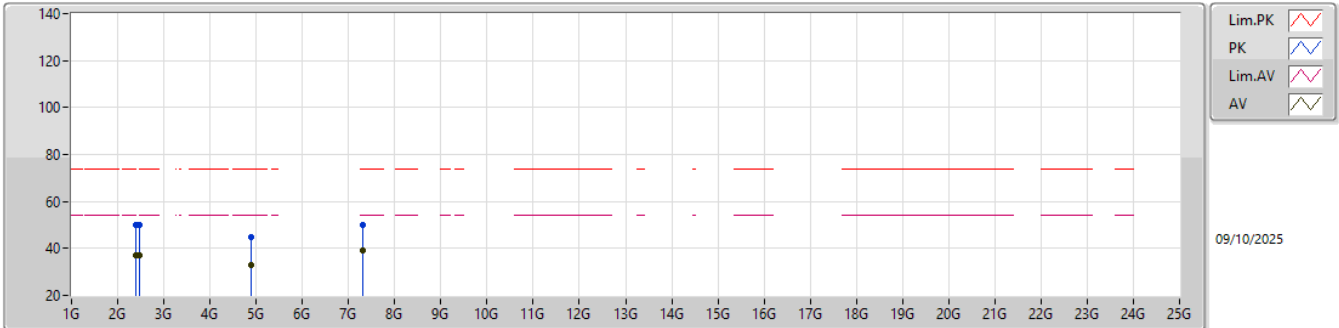
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.39G	37.50	54.00	-16.50	41.69	3	Horizontal	258	1.00	-	27.60	4.66	36.45			
PK	2.39G	50.39	74.00	-23.61	54.58	3	Horizontal	258	1.00	-	27.60	4.66	36.45			
AV	2.4835G	37.23	54.00	-16.77	41.48	3	Horizontal	258	1.00	-	27.54	4.75	36.54			
PK	2.4835G	50.27	74.00	-23.73	54.52	3	Horizontal	258	1.00	-	27.54	4.75	36.54			
AV	4.88G	33.33	54.00	-20.67	33.75	3	Horizontal	251	1.00	-	31.20	6.68	38.30			
PK	4.88G	45.24	74.00	-28.76	45.66	3	Horizontal	251	1.00	-	31.20	6.68	38.30			
AV	7.32G	39.04	54.00	-14.96	33.52	3	Horizontal	272	1.00	-	36.40	8.38	39.26			
PK	7.32G	50.15	74.00	-23.85	44.63	3	Horizontal	272	1.00	-	36.40	8.38	39.26			

2.4-2.4835GHz_BT-LE(2Mbps)

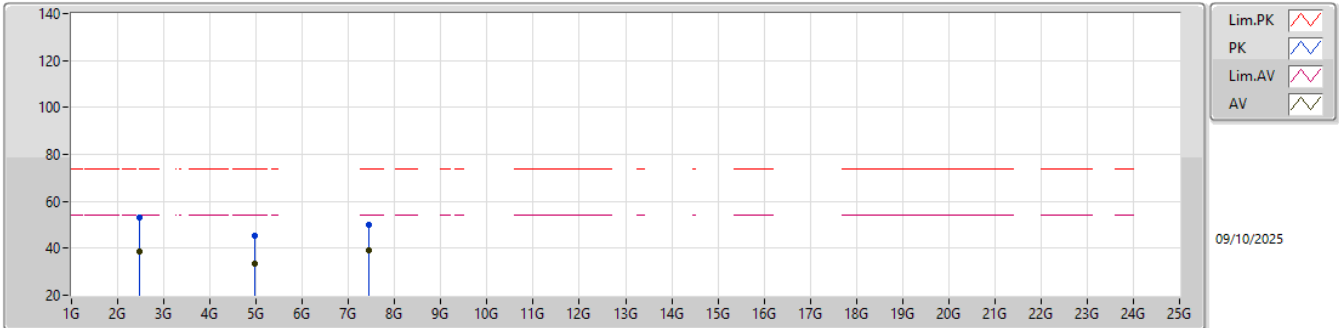
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.39G	37.19	54.00	-16.81	41.38	3	Vertical	213	1.00	-	27.60	4.66	36.45			
PK	2.39G	50.23	74.00	-23.77	54.42	3	Vertical	213	1.00	-	27.60	4.66	36.45			
AV	2.4835G	37.04	54.00	-16.96	41.29	3	Vertical	213	1.00	-	27.54	4.75	36.54			
PK	2.4835G	50.08	74.00	-23.92	54.33	3	Vertical	213	1.00	-	27.54	4.75	36.54			
AV	4.88G	33.12	54.00	-20.88	33.54	3	Vertical	198	1.00	-	31.20	6.68	38.30			
PK	4.88G	45.03	74.00	-28.97	45.45	3	Vertical	198	1.00	-	31.20	6.68	38.30			
AV	7.32G	38.91	54.00	-15.09	33.39	3	Vertical	201	1.00	-	36.40	8.38	39.26			
PK	7.32G	49.86	74.00	-24.14	44.34	3	Vertical	201	1.00	-	36.40	8.38	39.26			

2.4-2.4835GHz_BT-LE(2Mbps)

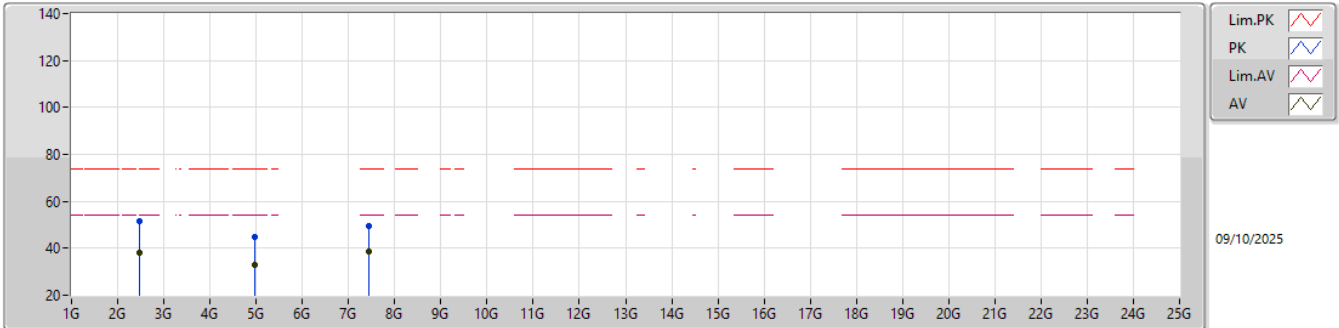
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.4835G	38.41	54.00	-15.59	42.66	3	Horizontal	251	2.45	-	27.54	4.75	36.54			
PK	2.4835G	52.95	74.00	-21.05	57.20	3	Horizontal	251	2.45	-	27.54	4.75	36.54			
AV	4.96G	33.39	54.00	-20.61	33.55	3	Horizontal	265	1.00	-	31.44	6.75	38.35			
PK	4.96G	45.26	74.00	-28.74	45.42	3	Horizontal	265	1.00	-	31.44	6.75	38.35			
AV	7.44G	39.03	54.00	-14.97	33.57	3	Horizontal	276	1.00	-	36.38	8.46	39.38			
PK	7.44G	50.15	74.00	-23.85	44.69	3	Horizontal	276	1.00	-	36.38	8.46	39.38			

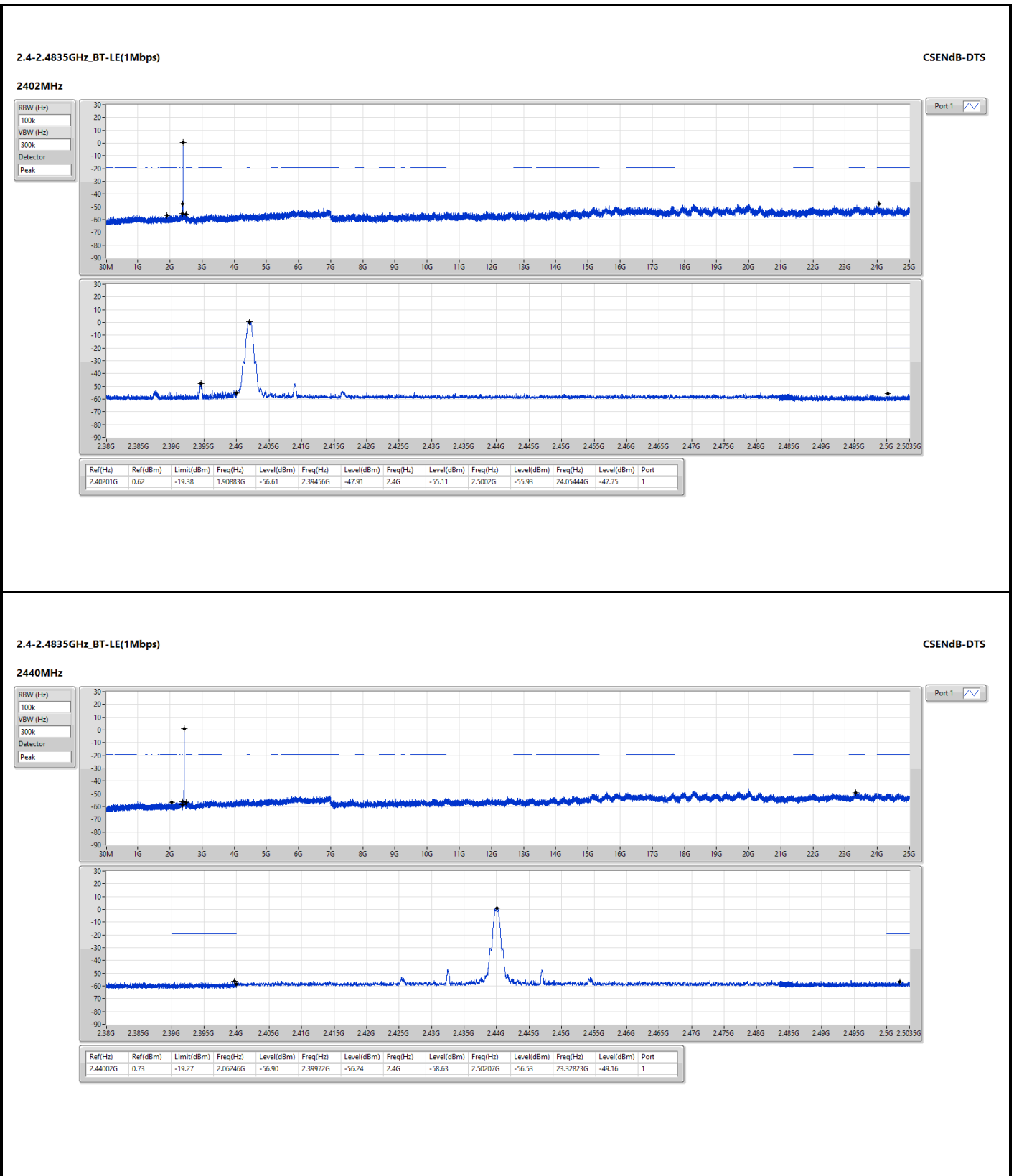
2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	2.4835G	38.16	54.00	-15.84	42.41	3	Vertical	221	1.12	-	27.54	4.75	36.54			
PK	2.4835G	51.59	74.00	-22.41	55.84	3	Vertical	221	1.12	-	27.54	4.75	36.54			
AV	4.96G	32.99	54.00	-21.01	33.15	3	Vertical	196	1.00	-	31.44	6.75	38.35			
PK	4.96G	44.89	74.00	-29.11	45.05	3	Vertical	196	1.00	-	31.44	6.75	38.35			
AV	7.44G	38.71	54.00	-15.29	33.25	3	Vertical	194	1.00	-	36.38	8.46	39.38			
PK	7.44G	49.67	74.00	-24.33	44.21	3	Vertical	194	1.00	-	36.38	8.46	39.38			

Configuration 1: Combo chip, model AW611



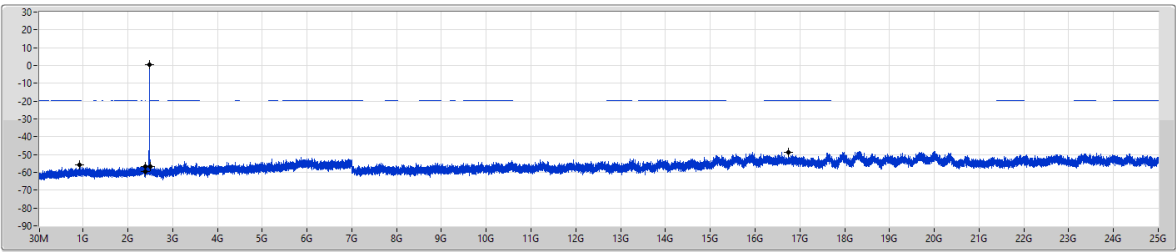


2.4-2.4835GHz_BT-LE(1Mbps)

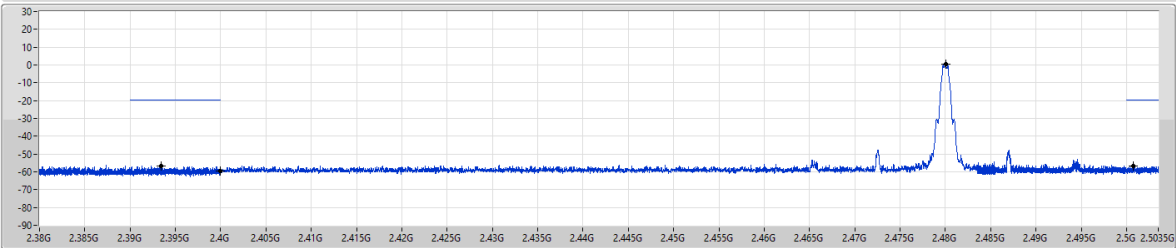
CSEndB-DTS

2480MHz

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

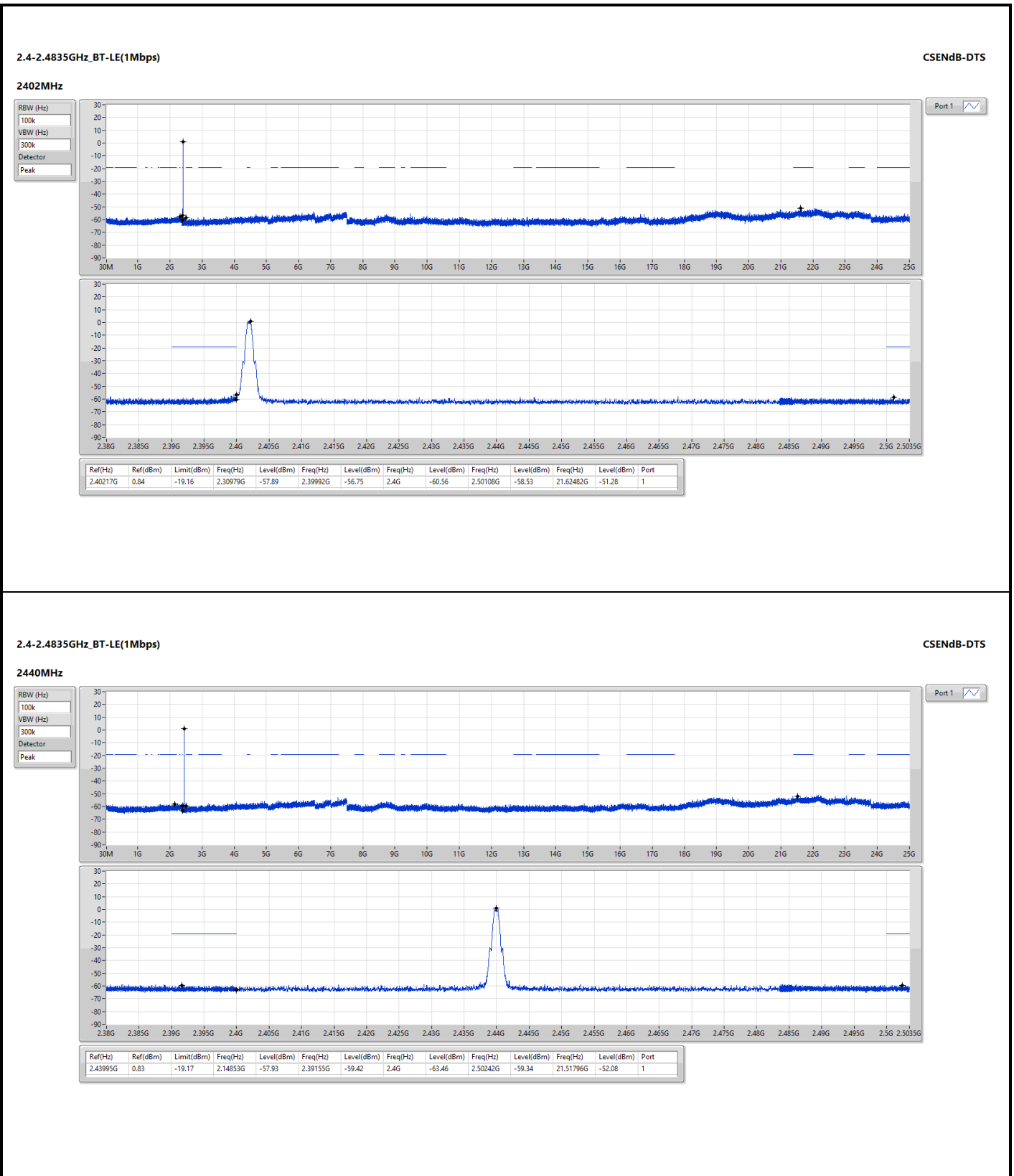


Port 1



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.48002G	0.53	-19.47	925.64M	-55.87	2.39344G	-56.66	2.4G	-59.55	2.50076G	-56.76	16.74027G	-48.85	1

Configuration 2: Chip 1, model AW300


2.4-2.4835GHz_BT-LE(1Mbps)
CSEndB-DTS
2440MHz
Port 1

RBW (Hz)

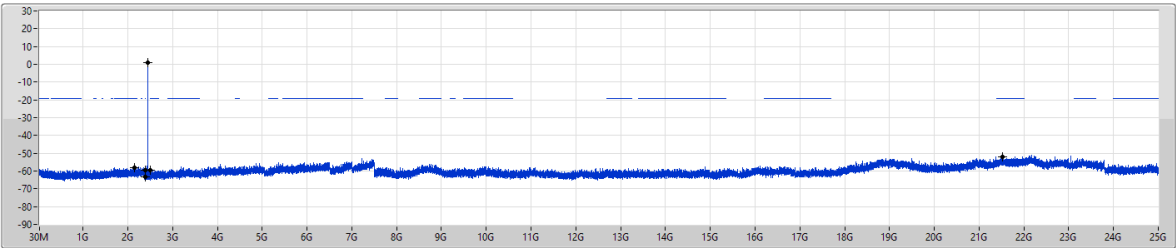
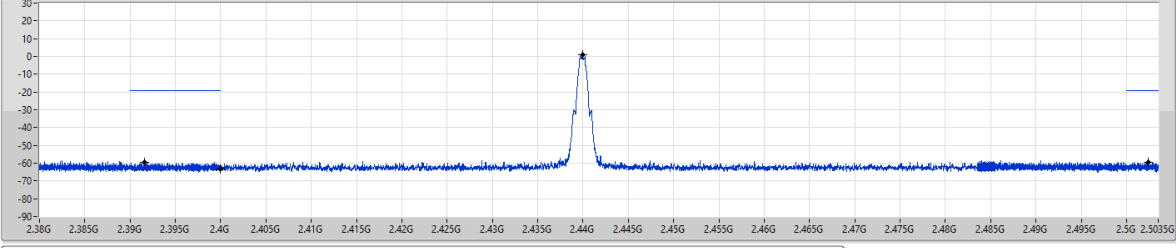
100k

VBW (Hz)

300k

Detector

Peak

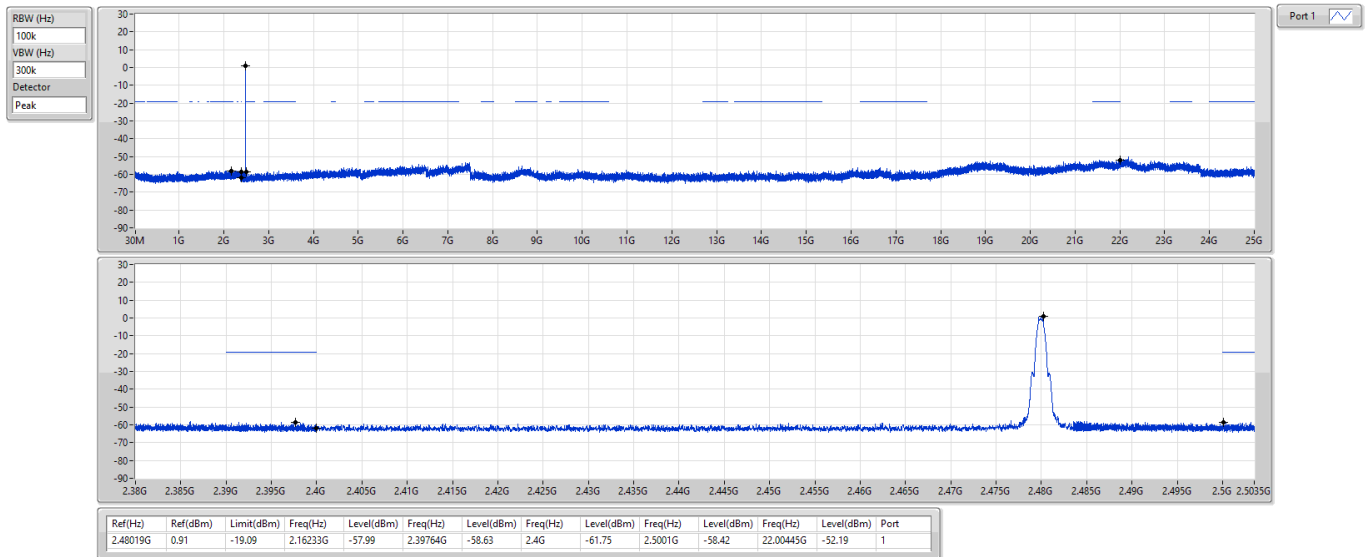



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43995G	0.83	-19.17	2.14853G	-57.93	2.39155G	-59.42	2.4G	-63.46	2.50242G	-59.34	21.51796G	-52.08	1

2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

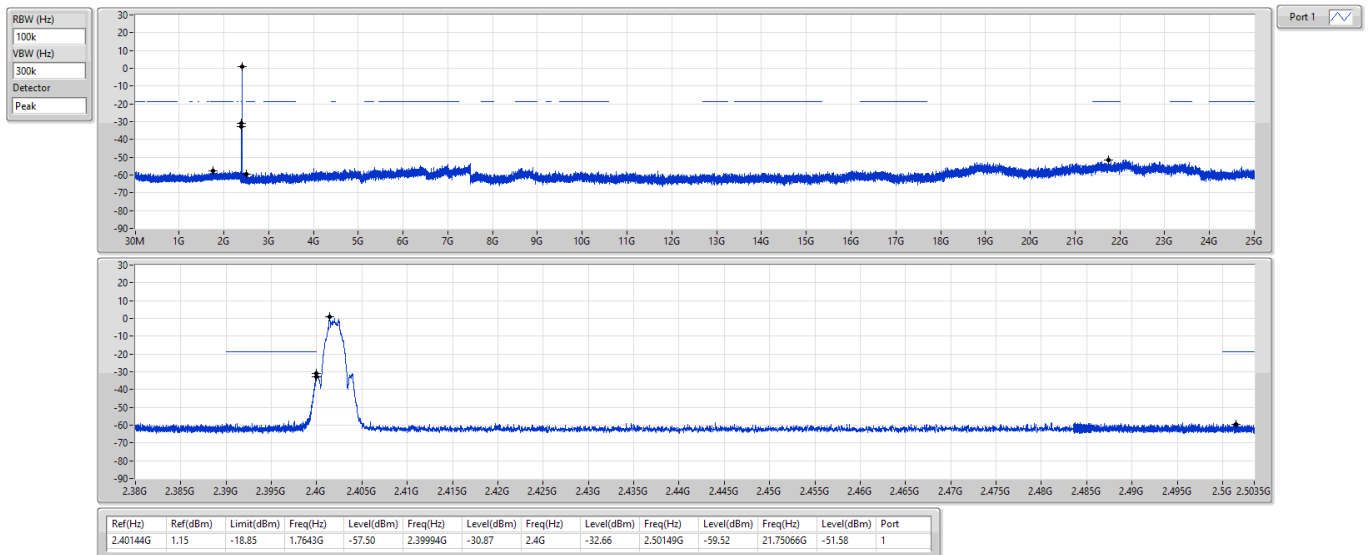
2480MHz



2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2402MHz

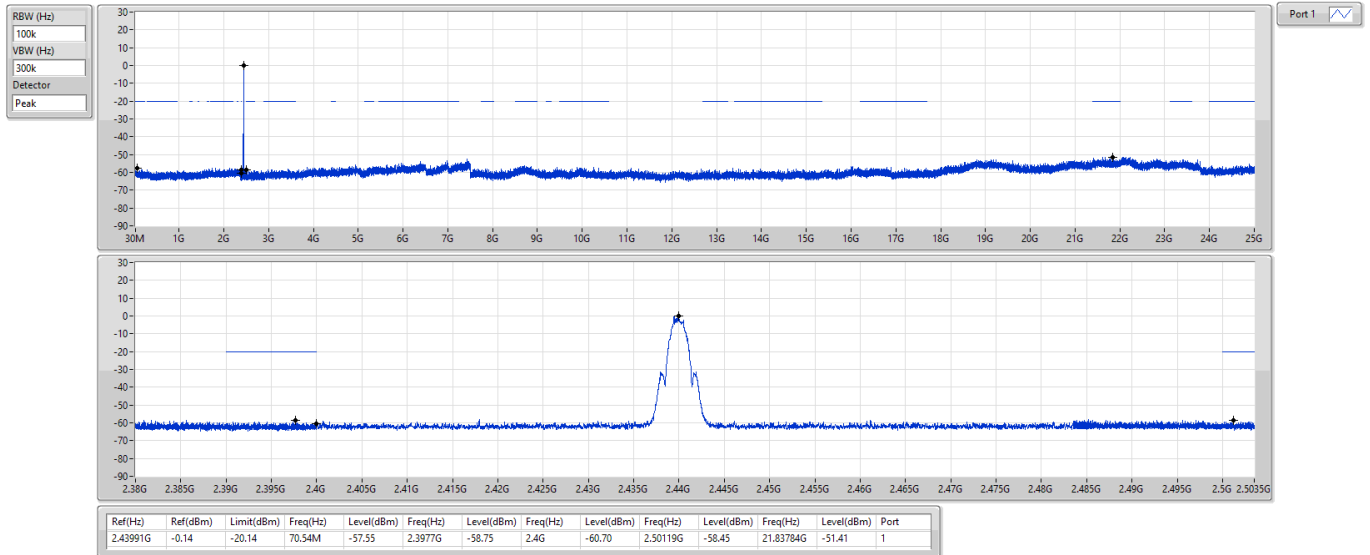




2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

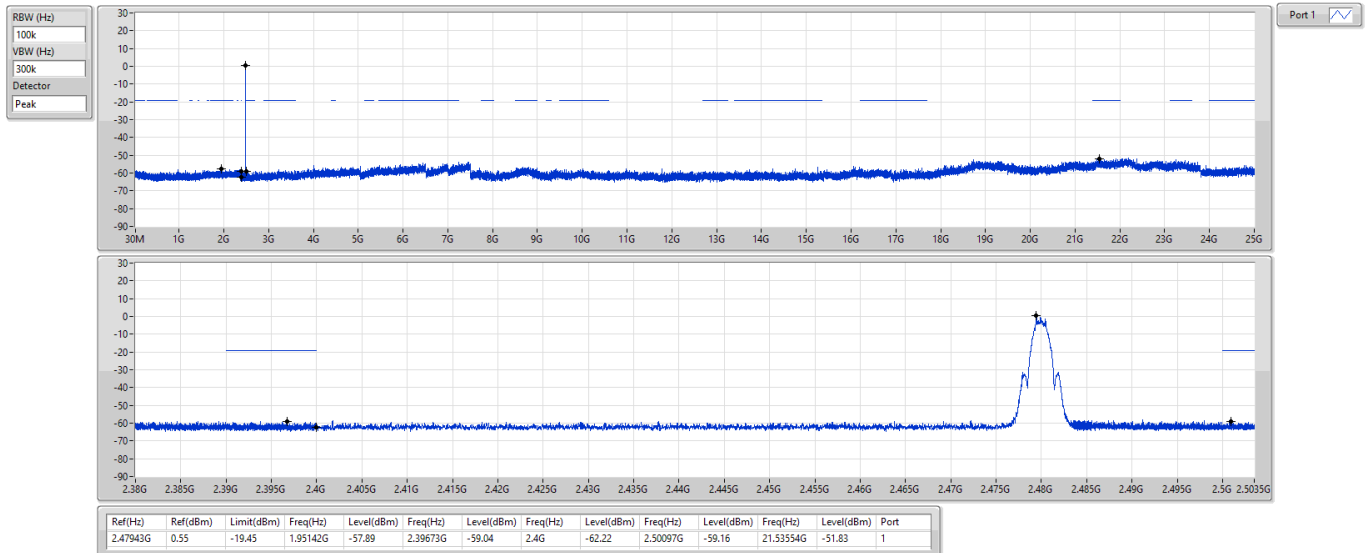
2440MHz



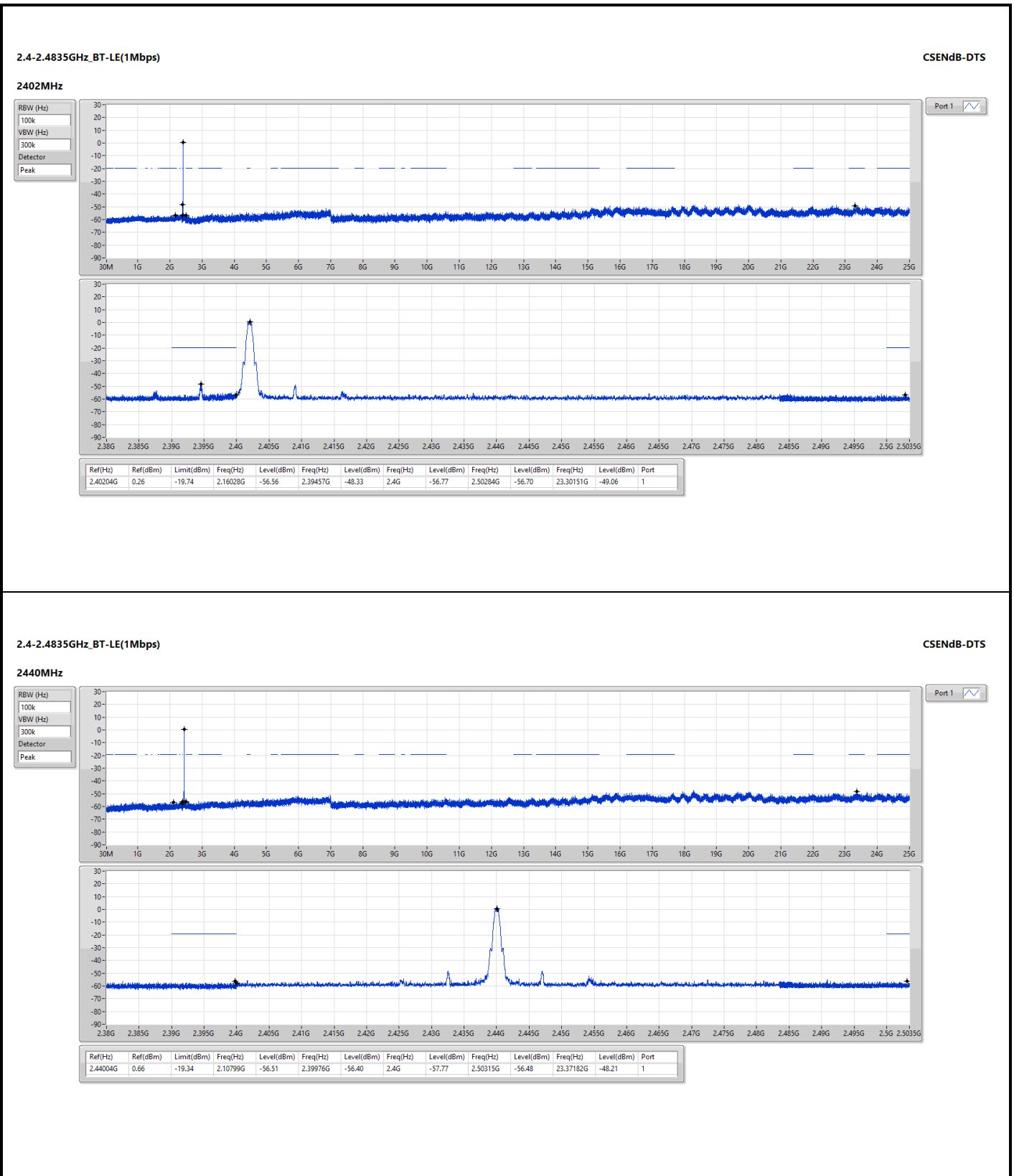
2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2480MHz



Configuration 3: Chip 2, model AW300


2.4-2.4835GHz_BT-LE(1Mbps)
CSEndB-DTS
2440MHz
Port 1

RBW (Hz)

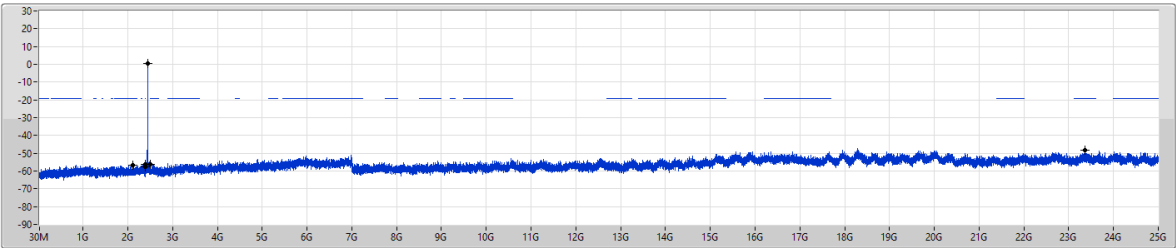
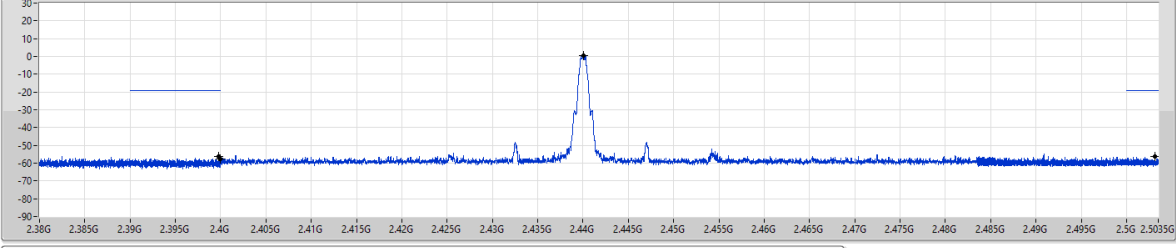
100k

VBW (Hz)

300k

Detector

Peak

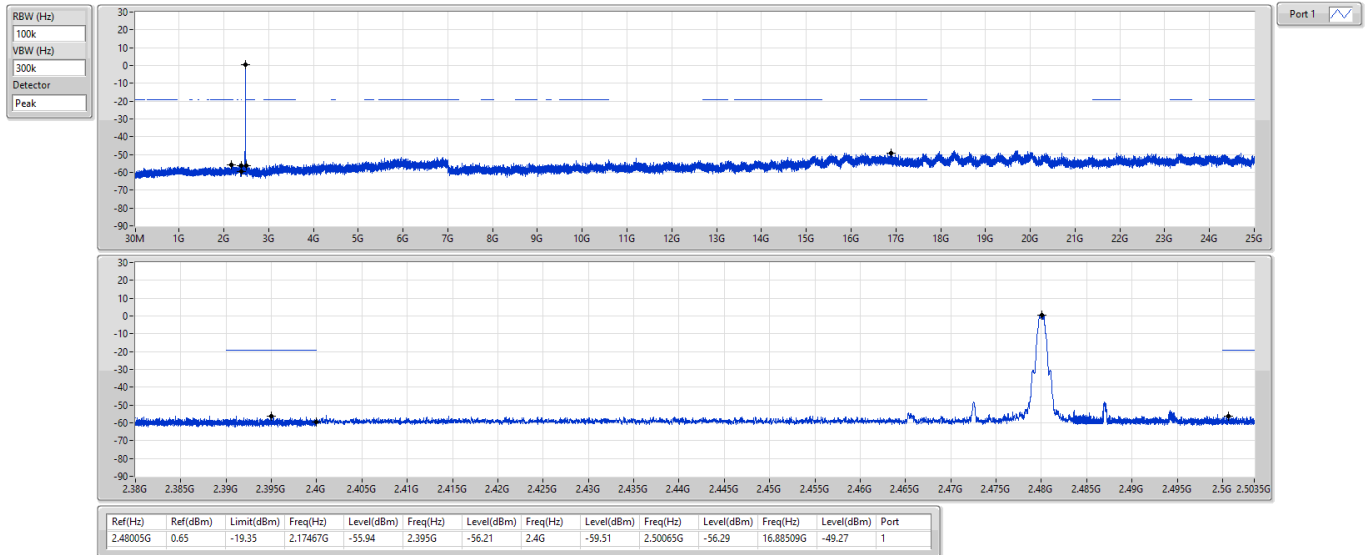



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44004G	0.66	-19.34	2.10799G	-56.51	2.39976G	-56.40	2.4G	-57.77	2.50315G	-56.48	2.337182G	-48.21	1

2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

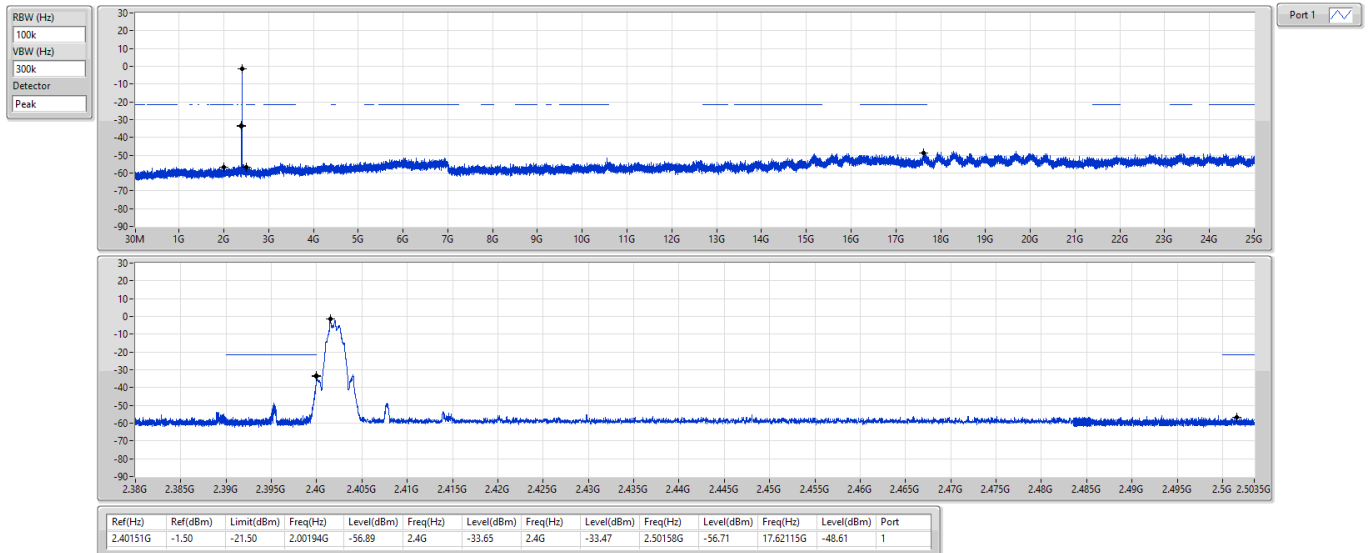
2480MHz



2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

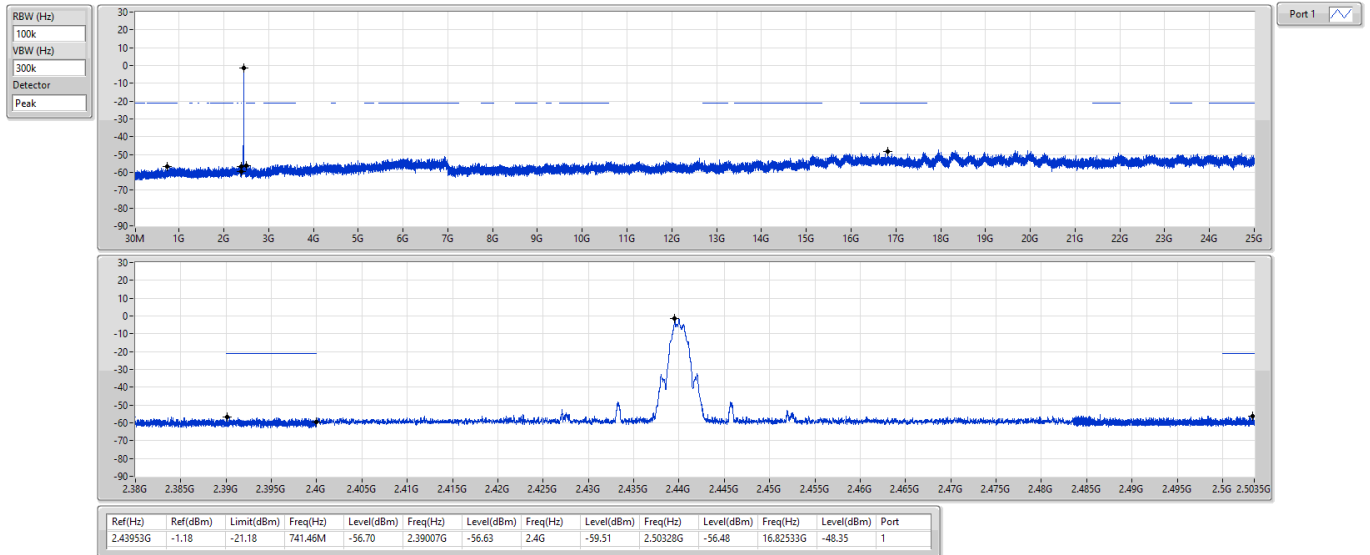
2402MHz



2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2440MHz



2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2480MHz

