



FCC RF Test Report

APPLICANT : Motorola Mobility LLC
EQUIPMENT : moto tag
BRAND NAME : Motorola
MODEL NAME : XT2561-1
FCC ID : IHDT6AB8
STANDARD : FCC Part 15 Subpart C §15.247
CLASSIFICATION : (DTS) Digital Transmission System
TEST DATE(S) : Sep. 19, 2025 ~ Oct. 16, 2025

We, Sporton International Inc. (ShenZhen), would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (ShenZhen), the test report shall not be reproduced except in full.

Fly Liang

Approved by: Fly Liang



Sporton International Inc. (ShenZhen)

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People's Republic of China



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR580714A	Rev. 01	Initial issue of report	Nov. 07, 2025



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.247(a)(2)	6dB Bandwidth	$\geq 0.5\text{MHz}$	Pass	-
3.1	-	99% Bandwidth	-	Pass	-
3.2	15.247(b)(3)	Conducted Output Power	$\leq 30\text{dBm}$	Pass	-
3.3	15.247(e)	Power Spectral Density	$\leq 8\text{dBm}/3\text{kHz}$	Pass	-
3.4	15.247(d)	Conducted Band Edges and Spurious Emission	$\leq 20\text{dBc}$	Pass	-
3.5	15.247(d)	Radiated Band Edges and Spurious Emission	15.209(a) & 15.247(d)	Pass	Under limit 3.50 dB at 2483.56 MHz
-	15.207	AC Conducted Emission	15.207(a)	Not Applicable	1
3.6	15.203 & 15.247(b)	Antenna Requirement	15.203 & 15.247(b)	Pass	-
Remark1: Powered by a button battery only.					

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.



1 General Description

1.1 Applicant

Motorola Mobility LLC

222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.2 Manufacturer

Motorola Mobility LLC

222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	moto tag
Brand Name	Motorola
Model Name	XT2561-1
FCC ID	IHDT6AB8
SN Code	Conducted: N/A Radiation: HMFA6FFS, HMFA6GAQ, HMFA66PP
HW Version	DVT2
SW Version	1.12.0
EUT Stage	Identical Prototype

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. There are two types of EUT, the differences could be referred to the XT2561-1_Operational Description of Product Equality Declaration which is exhibit separately. According to the difference, we choose sample 1 to full test.



1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	BLE: 2402 MHz ~ 2480 MHz BLE CS GFSK: 2404 MHz ~ 2478 MHz
Number of Channels	BLE: 40 BLE CS GFSK: 72
Carrier Frequency of Each Channel	40 Channel(37 hopping + 3 advertising channel)
Maximum Output Power to Antenna	<BLE> BLE 1Mbps: 9.98 dBm (0.0100 W) BLE 2Mbps: 9.88 dBm (0.0097 W) <BLE Channel Sounding GFSK> BLE CS GFSK 1Mbps: 9.93 dBm (0.0098 W) BLE CS GFSK 2Mbps: 9.92 dBm (0.0098 W)
99% Occupied Bandwidth	<BLE> BLE 1Mbps:1.029MHz BLE 2Mbps:2.034MHz <BLE Channel Sounding GFSK> BLE CS GFSK 1Mbps:1.033MHz BLE CS GFSK 2Mbps:2.034MHz
Antenna Type / Gain	Monopole Antenna type with gain -0.7 dBi
Type of Modulation	GFSK

Note: BLE 2Mbps does not support advertising channels (CH00/CH39).

1.5 Modification of EUT

No modifications are made to the EUT during all test items.

1.6 Testing Location

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-SZ 03CH04-SZ	CN1256	421272



1.7 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH04-SZ	AUDIX	E3	6.2009-8-24

1.8 Applicable Standards

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

- ♦ 47 CFR Part 15 Subpart C §15.247
- ♦ FCC KDB 558074 D01 15.247 Meas Guidance v05r02
- ♦ ANSI C63.10-2020

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

1.9 Specification of Accessory

Accessories Information				
Battery	Brand Name	Henlimax	Model Name	CR2032



2 Test Configuration of Equipment Under Test

2.1 Carrier Frequency Channel

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



Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
BLE CS GFSK	2	2404	29	2431	53	2455
	3	2405	30	2432	54	2456
	4	2406	31	2433	55	2457
	5	2407	32	2434	56	2458
	6	2408	33	2435	57	2459
	7	2409	34	2436	58	2460
	8	2410	35	2437	59	2461
	9	2411	36	2438	60	2462
	10	2412	37	2439	61	2463
	11	2413	38	2440	62	2464
	12	2414	39	2441	63	2465
	13	2415	40	2442	64	2466
	14	2416	41	2443	65	2467
	15	2417	42	2444	66	2468
	16	2418	43	2445	67	2469
	17	2419	44	2446	68	2470
	18	2420	45	2447	69	2471
	19	2421	46	2448	70	2472
	20	2422	47	2449	71	2473
	21	2423	48	2450	72	2474
	22	2424	49	2451	73	2475
	26	2428	50	2452	74	2476
	27	2429	51	2453	75	2477
	28	2430	52	2454	76	2478

2.2 Test Mode

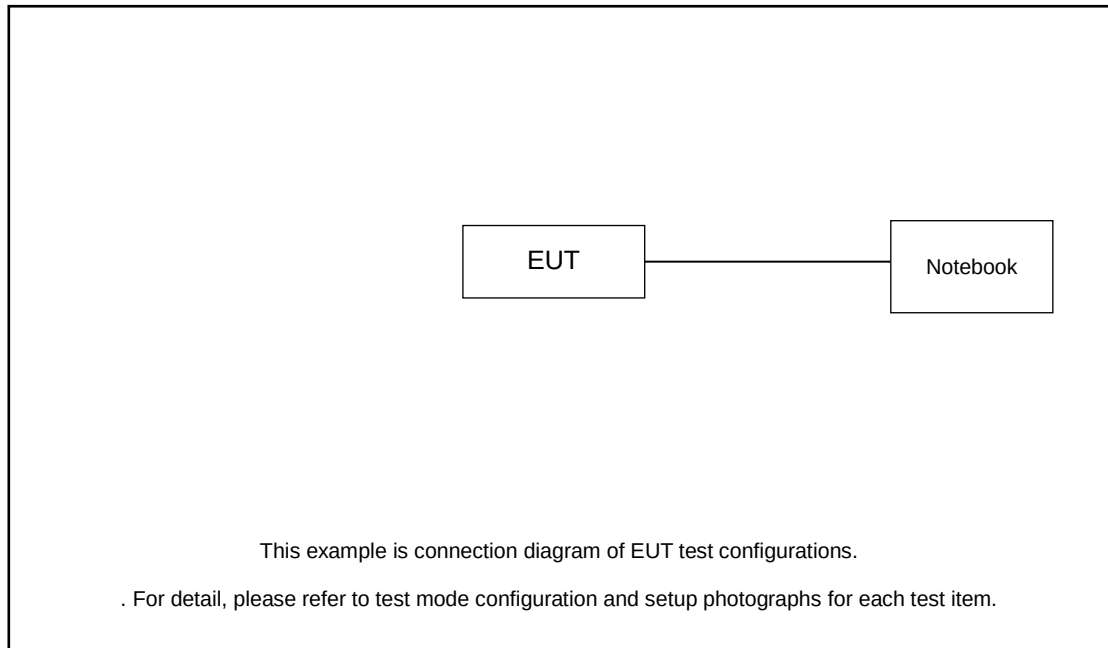
- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane) were recorded in this report.

The following summary table is showing all test modes to demonstrate in compliance with the standard.

Summary table of Test Cases	
Test Item	Data Rate / Modulation
	Bluetooth – LE / GFSK
Conducted TCs	Mode 1: Bluetooth Tx CH00_2402 MHz_BLE 1Mbps
	Mode 2: Bluetooth Tx CH19_2440 MHz_BLE 1Mbps
	Mode 3: Bluetooth Tx CH39_2480 MHz_BLE 1Mbps
	Mode 4: Bluetooth Tx CH01_2404 MHz_BLE 2Mbps
	Mode 5: Bluetooth Tx CH19_2440 MHz_BLE 2Mbps
	Mode 6: Bluetooth Tx CH38_2478 MHz_BLE 2Mbps
	Mode 7: Bluetooth Tx CH02_2404 MHz_BLE CS GFSK(1Mbps)
	Mode 8: Bluetooth Tx CH38_2440 MHz_BLE CS GFSK(1Mbps)
	Mode 9: Bluetooth Tx CH76_2478 MHz_BLE CS GFSK(1Mbps)
	Mode 10: Bluetooth Tx CH02_2404 MHz_BLE CS GFSK(2Mbps)
	Mode 11: Bluetooth Tx CH38_2440 MHz_BLE CS GFSK(2Mbps)
	Mode 12: Bluetooth Tx CH76_2478 MHz_BLE CS GFSK(2Mbps)
Radiated TCs	Mode 1: Bluetooth Tx CH00_2402 MHz_BLE 1Mbps
	Mode 2: Bluetooth Tx CH19_2440 MHz_BLE 1Mbps
	Mode 3: Bluetooth Tx CH39_2480 MHz_BLE 1Mbps
	Mode 4: Bluetooth Tx CH01_2404 MHz_BLE 2Mbps
	Mode 5: Bluetooth Tx CH19_2440 MHz_BLE 2Mbps
	Mode 6: Bluetooth Tx CH38_2478 MHz_BLE 2Mbps
	Mode 7: Bluetooth Tx CH02_2404 MHz_BLE CS GFSK(1Mbps)
	Mode 8: Bluetooth Tx CH38_2440 MHz_BLE CS GFSK(1Mbps)
	Mode 9: Bluetooth Tx CH76_2478 MHz_BLE CS GFSK(1Mbps)

RSE Co-location mode
Bluetooth-LE CH39 2480MHZ + UWB TX CH5

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	Thinkpad	Thinkpad E14	N/A	N/A	N/A

2.5 EUT Operation Test Setup

For BLE function, the engineering test program was provided and enabled to make EUT continuous transmit.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 1.3dB and 10dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

$$= 1.3 + 10 = 11.3 \text{ (dB)}$$

3 Test Result

3.1 6dB and 99% Bandwidth Measurement

3.1.1 Limit of 6dB and 99% Bandwidth

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

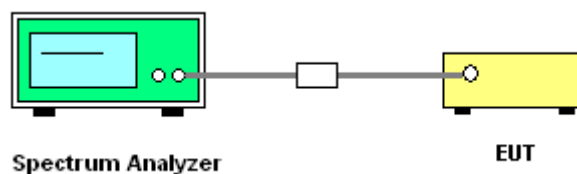
3.1.2 Measuring Instruments

The section 4.0 of List of Measuring Equipment of this test report is used for test.

3.1.3 Test Procedures

1. The testing follows ANSI C63.10-2020 clause 11.8.1 for 6dB BW and 6.9.3 for 99% occupied bandwidth measurements
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz. Set the Video bandwidth (VBW) $\geq 3 \times \text{RBW}$. Detector = Peak. In order to make an accurate measurement. The 6 dB bandwidth must be greater than 500 kHz.
5. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) = 1%~5% of OBW and set the Video bandwidth (VBW) approximately three times the RBW.
6. Measure and record the results in the test report.

3.1.4 Test Setup



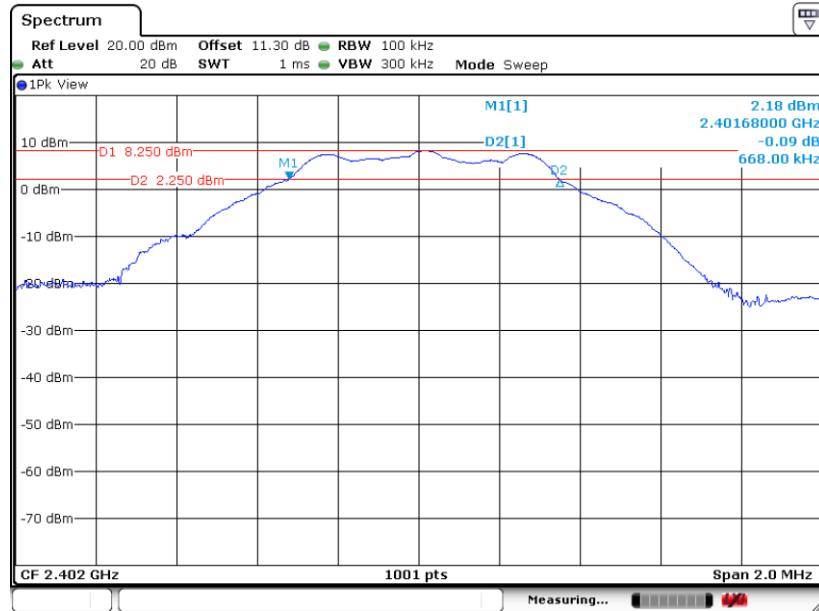


3.1.5 Test Result of 6dB Bandwidth

Please refer to Appendix A.

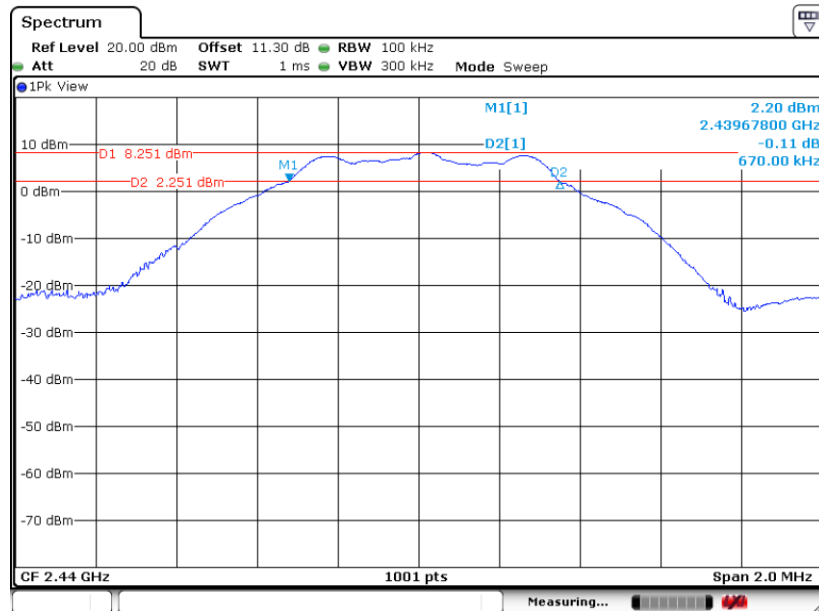
BLE 1Mbps

6 dB Bandwidth Plot on Channel 00



Date: 19 SEP. 2025 18:33:03

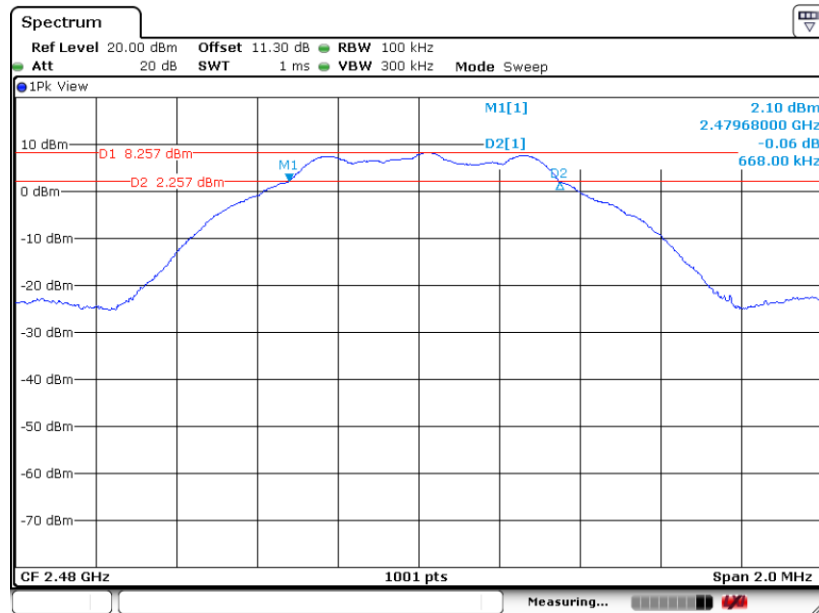
6 dB Bandwidth Plot on Channel 19



Date: 19 SEP. 2025 18:37:13



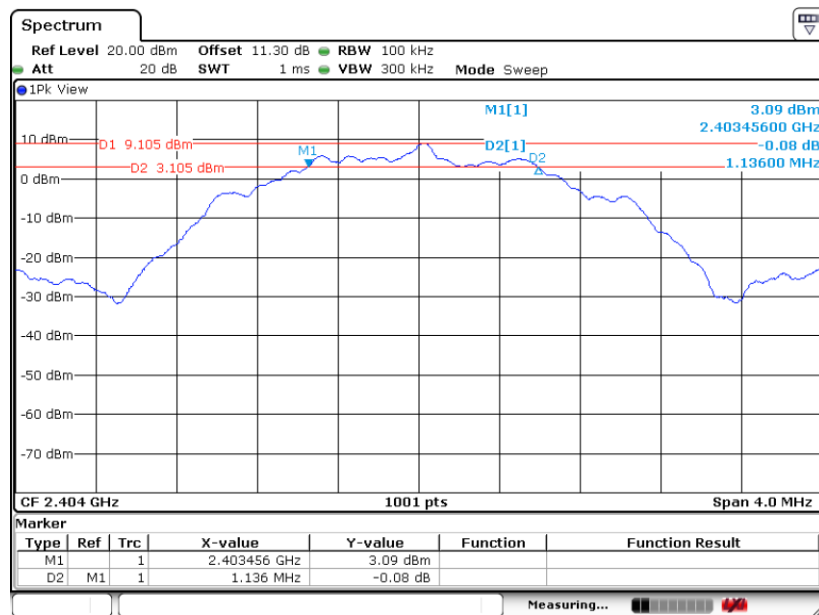
6 dB Bandwidth Plot on Channel 39



Date: 19.SEP.2025 18:42:13

BLE 2Mbps

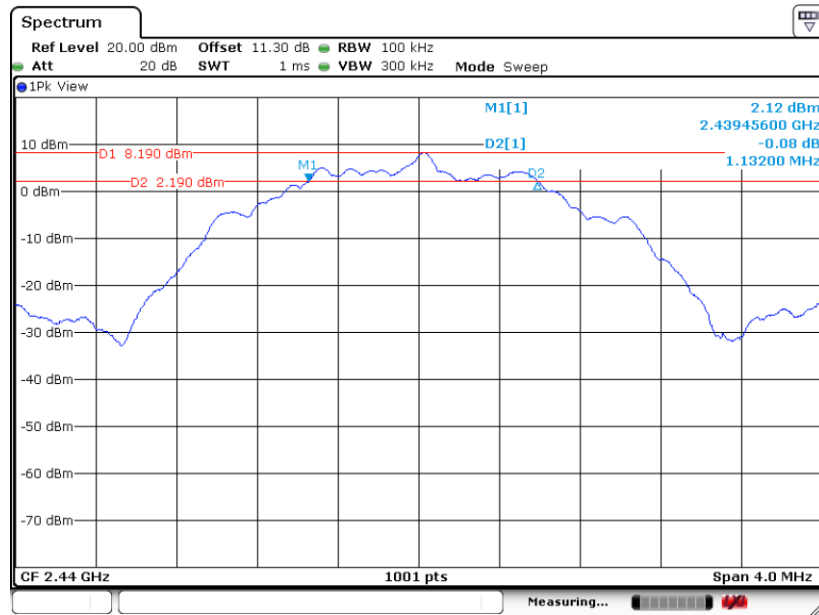
6 dB Bandwidth Plot on Channel 02



Date: 16.OCT.2025 19:40:43

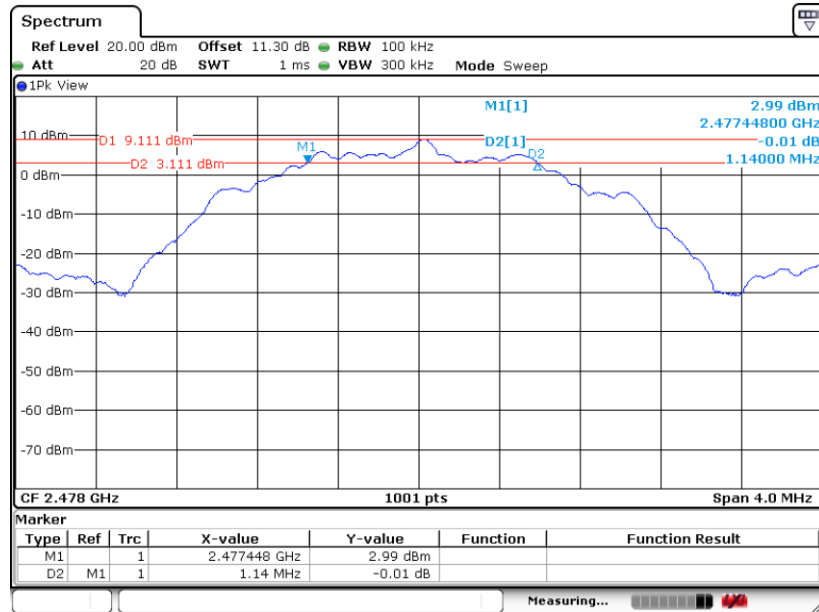


6 dB Bandwidth Plot on Channel 19



Date: 19.SEP.2025 18:50:30

6 dB Bandwidth Plot on Channel 38

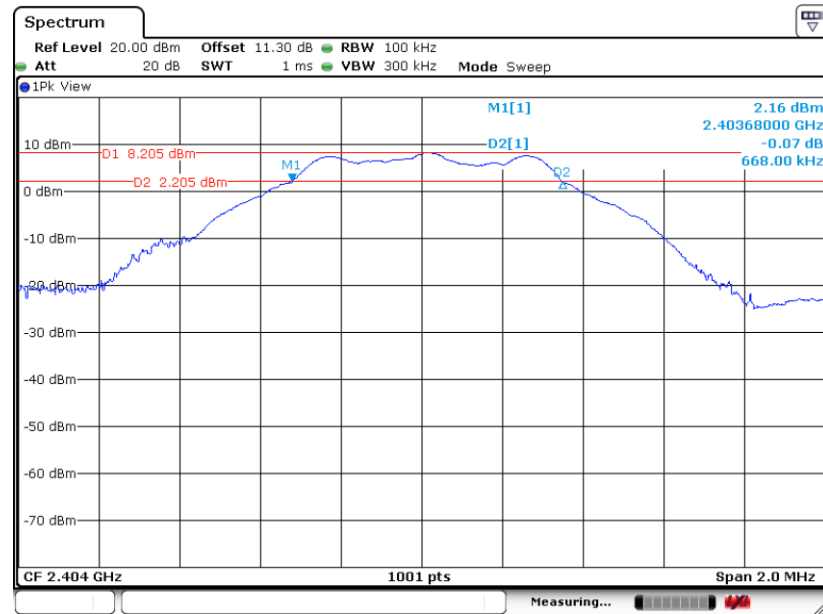


Date: 16.OCT.2025 19:35:57



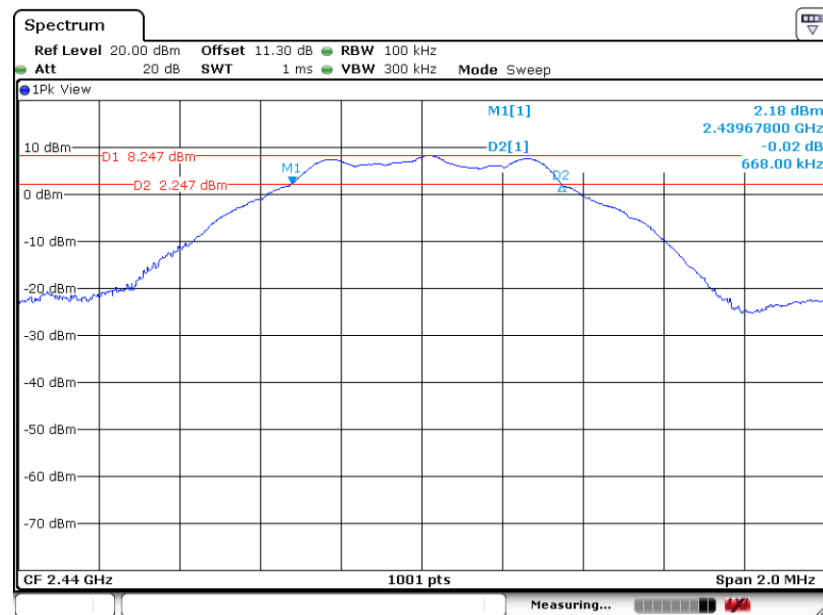
BLE CS GFSK 1Mbps

6 dB Bandwidth Plot on Channel 02



Date: 19.SEP.2025 18:59:05

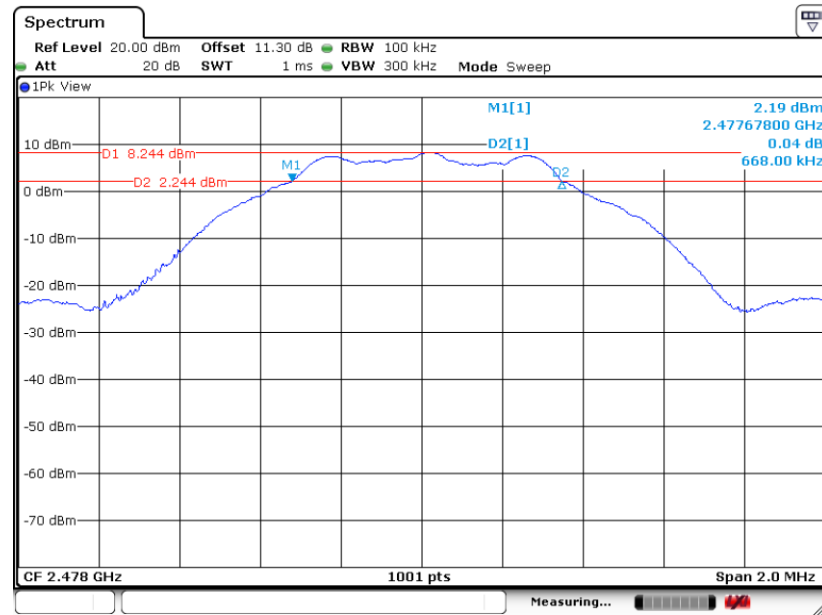
6 dB Bandwidth Plot on Channel 38



Date: 19.SEP.2025 19:10:29



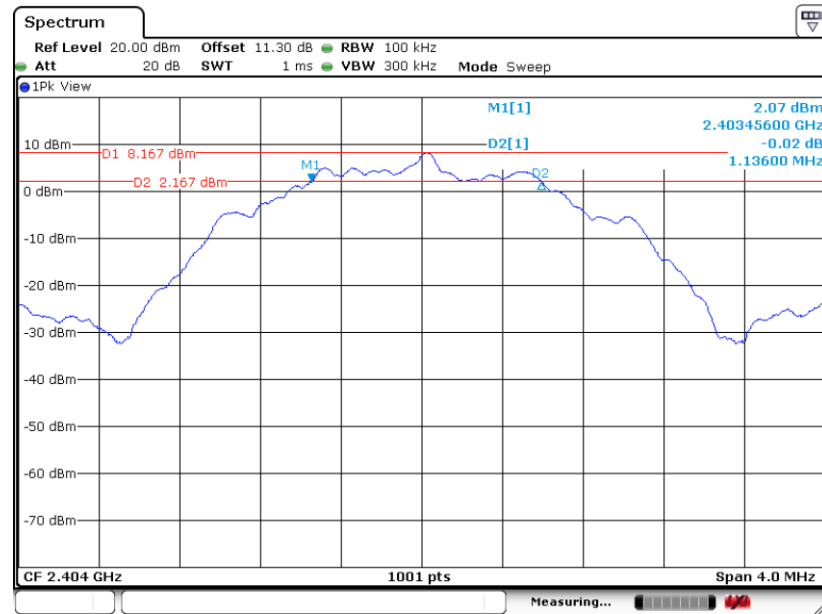
6 dB Bandwidth Plot on Channel 76



Date: 19.SEP.2025 19:13:12

BLE CS GFSK 2Mbps

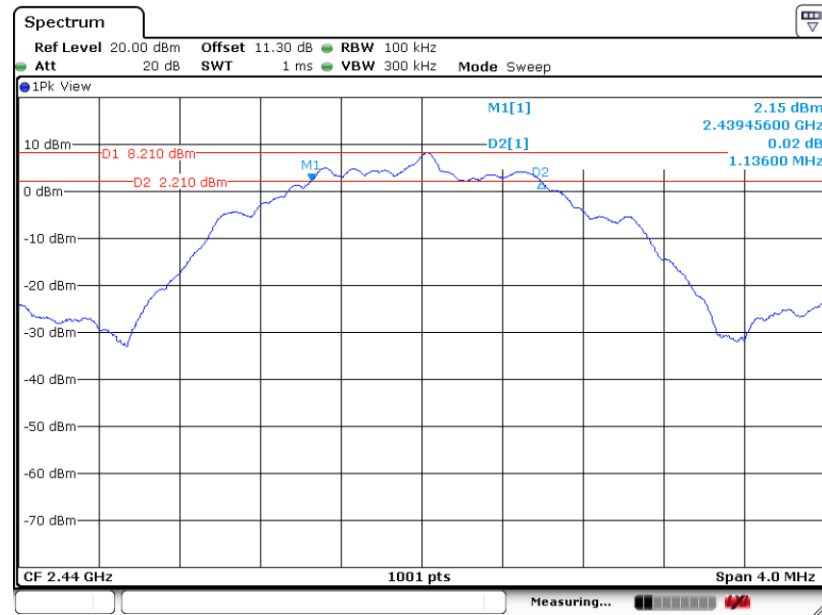
6 dB Bandwidth Plot on Channel 02



Date: 19.SEP.2025 19:22:02

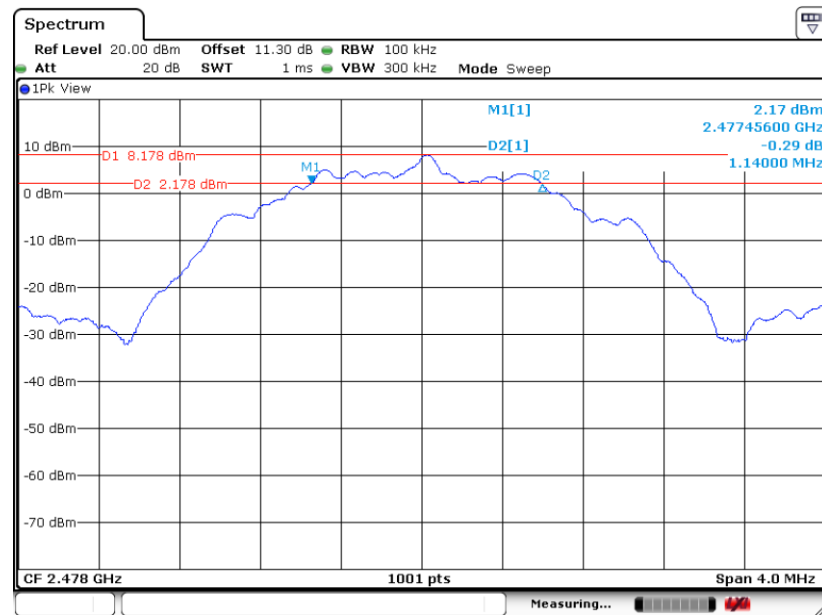


6 dB Bandwidth Plot on Channel 38



Date: 19.SEP.2025 19:31:02

6 dB Bandwidth Plot on Channel 76



Date: 19.SEP.2025 19:45:47

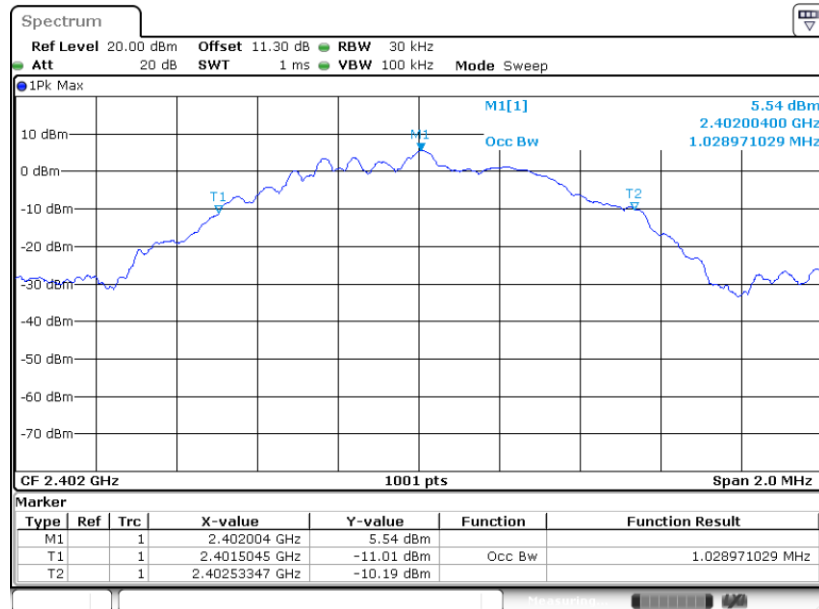


3.1.6 Test Result of 99% Occupied Bandwidth

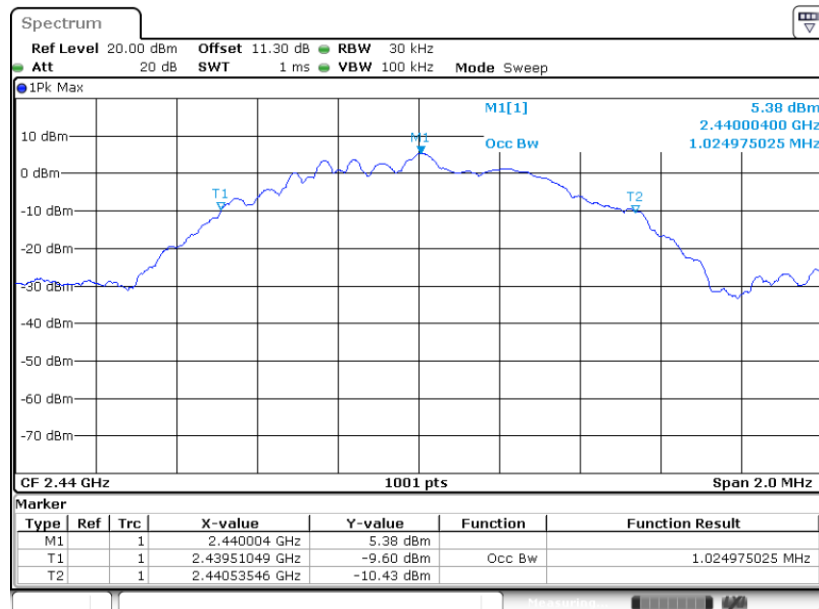
Please refer to Appendix A.

BLE 1Mbps

99% Occupied Bandwidth Plot on Channel 00

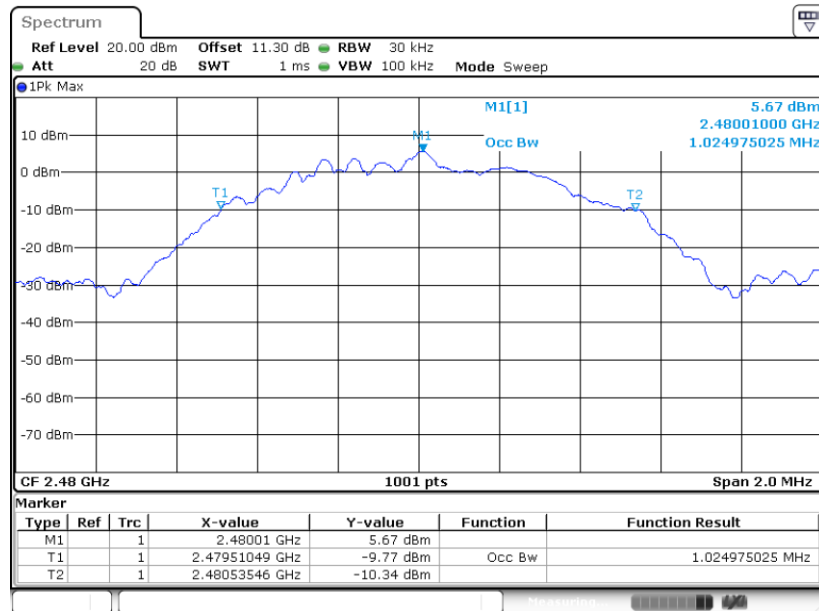


99% Occupied Bandwidth Plot on Channel 19



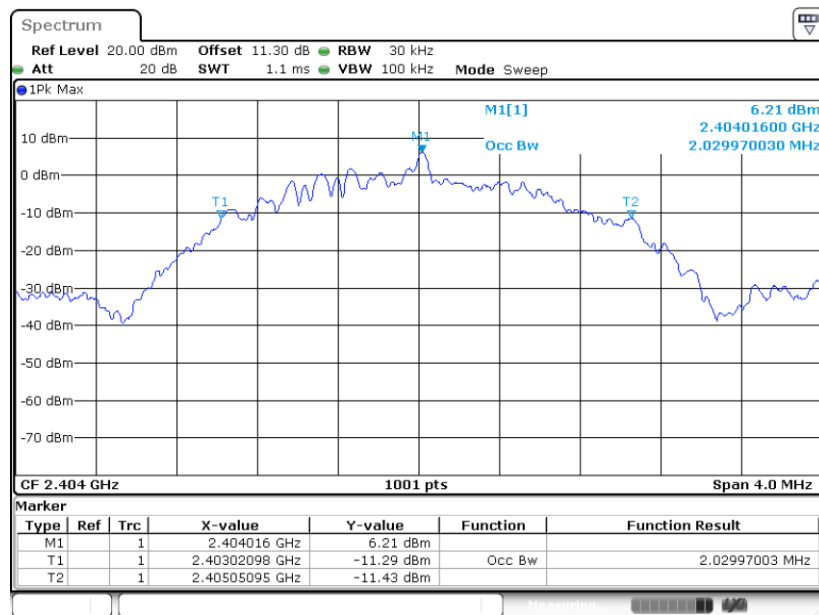


99% Occupied Bandwidth Plot on Channel 39



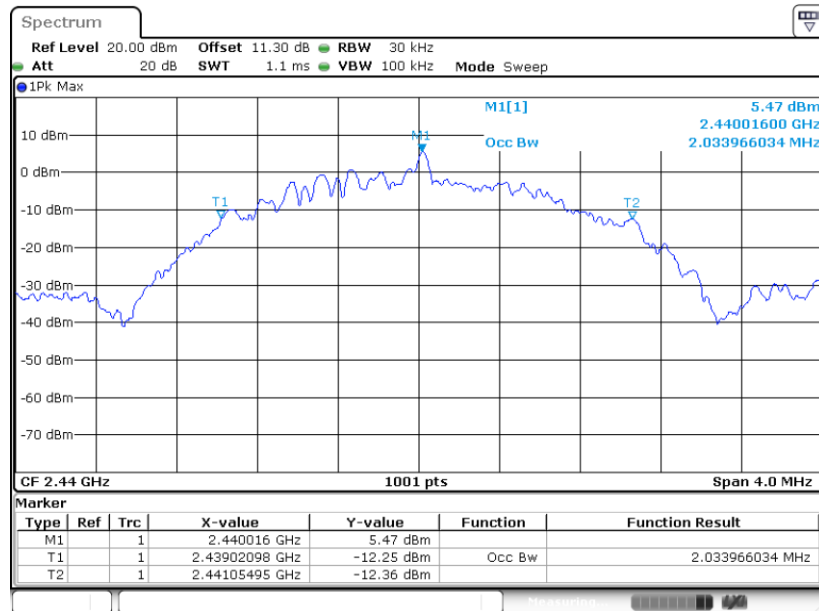
BLE 2Mbps

99% Occupied Bandwidth Plot on Channel 02



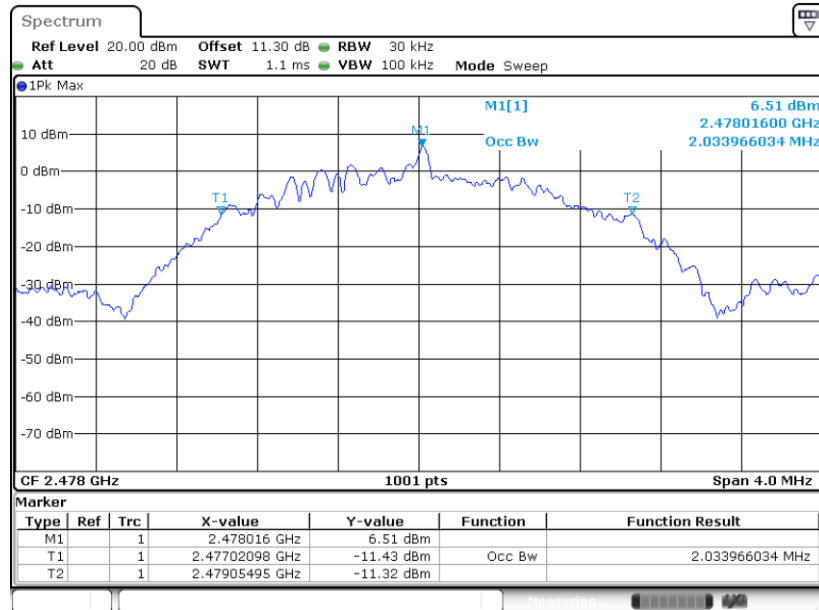


99% Occupied Bandwidth Plot on Channel 19



Date: 19.SEP.2025 18:50:20

99% Occupied Bandwidth Plot on Channel 38



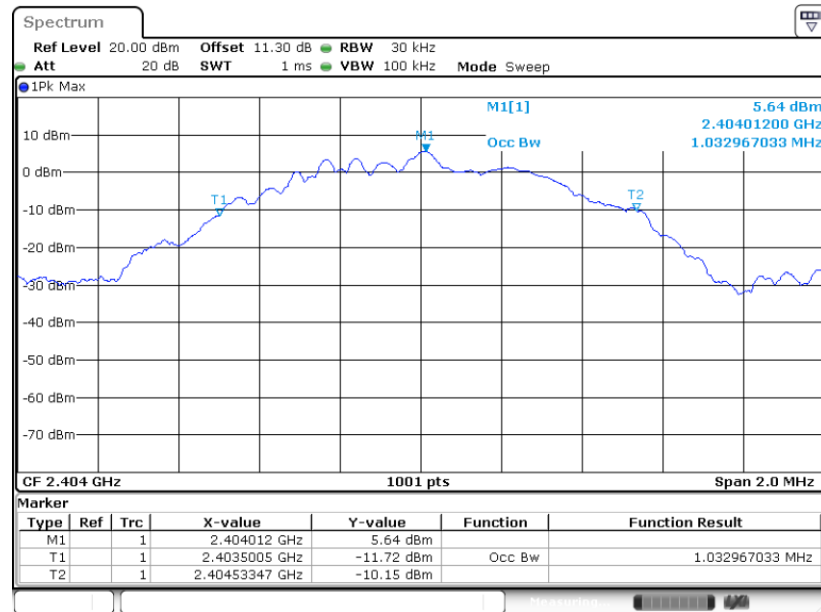
Date: 16.OCT.2025 19:35:47

Note : The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

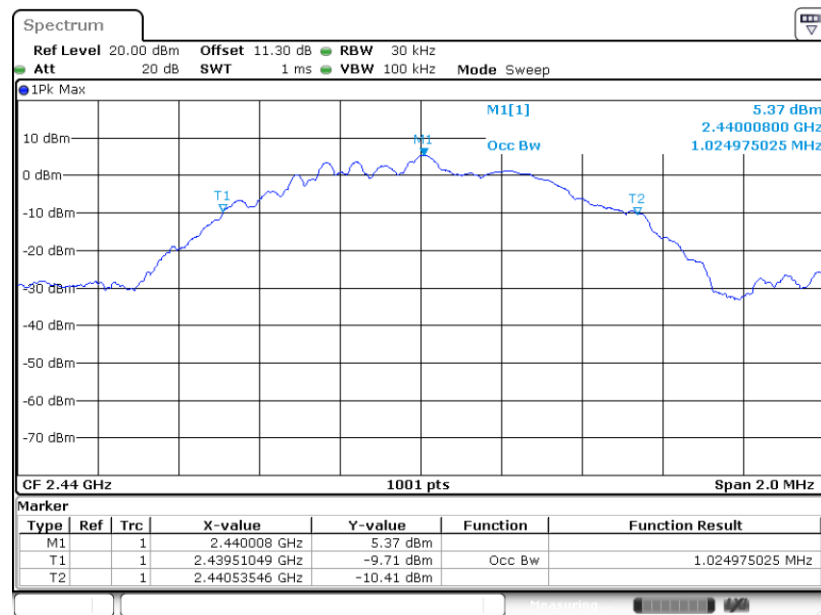


BLE CS GFSK 1Mbps

99% Occupied Bandwidth Plot on Channel 02

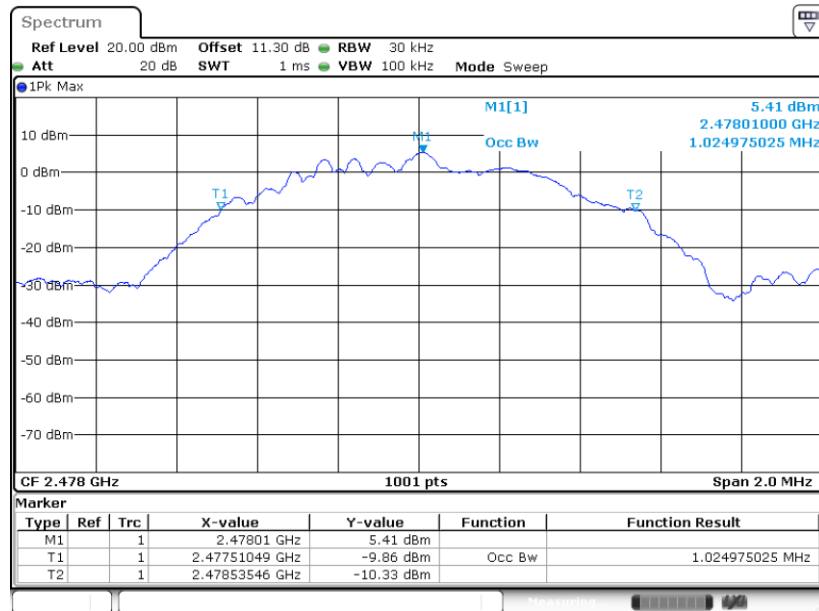


99% Occupied Bandwidth Plot on Channel 38



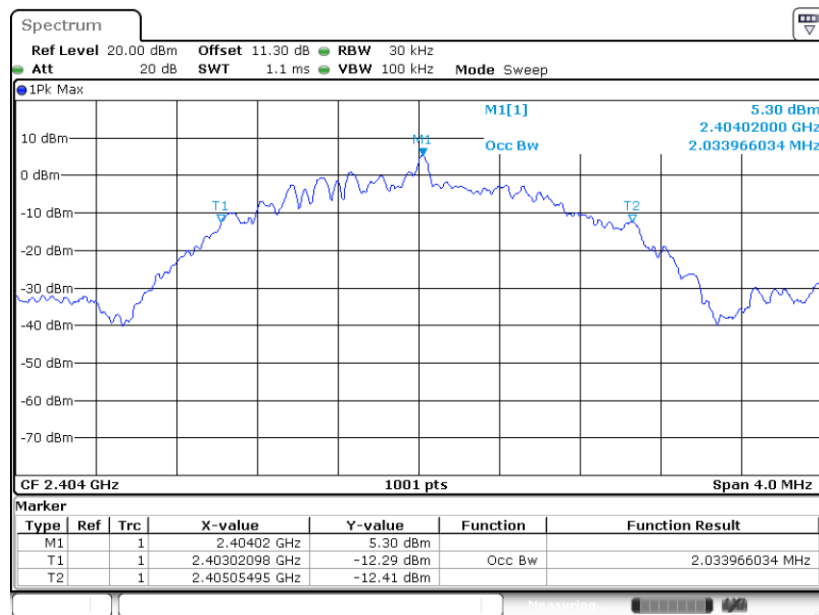


99% Occupied Bandwidth Plot on Channel 76



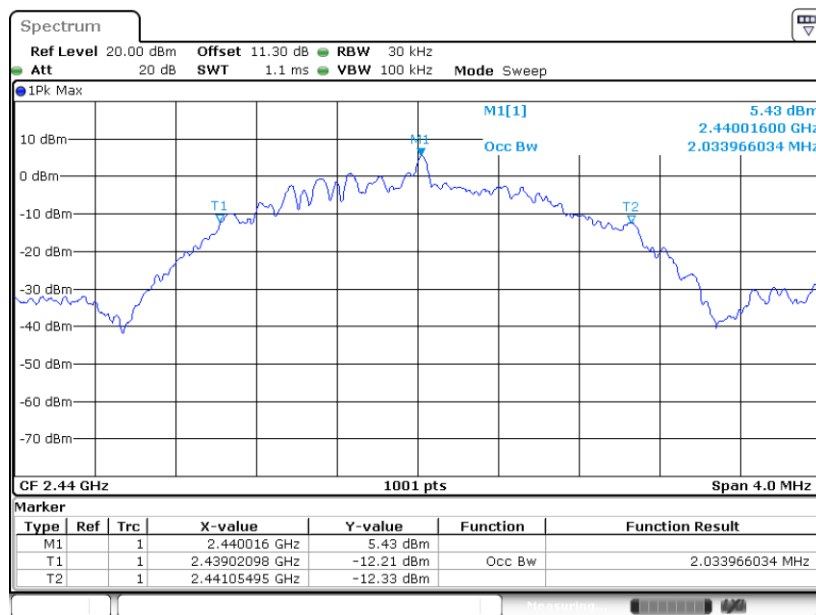
BLE CS GFSK 2Mbps

99% Occupied Bandwidth Plot on Channel 02

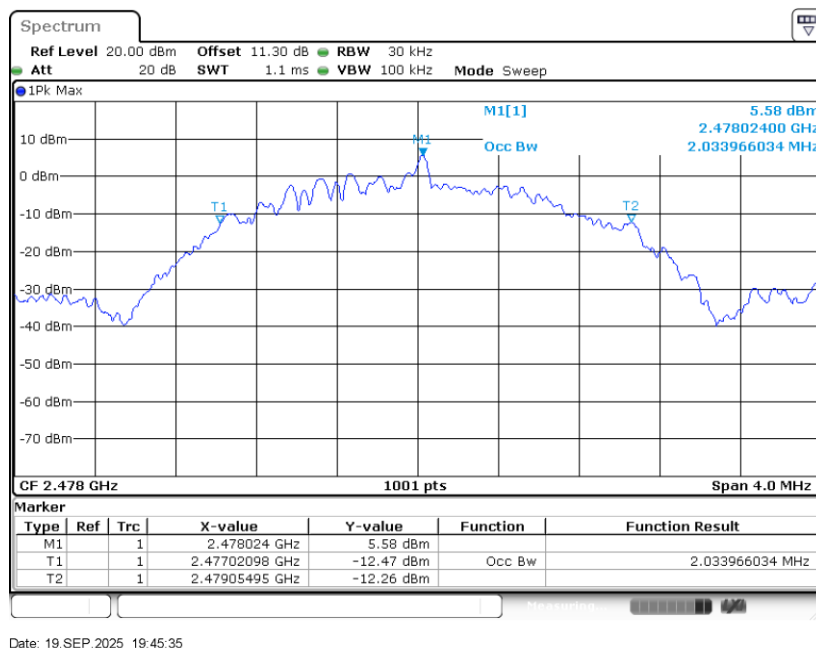




99% Occupied Bandwidth Plot on Channel 38



99% Occupied Bandwidth Plot on Channel 76



Note : The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

3.2 Output Power Measurement

3.2.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5MHz, the limit for output power is 30dBm. If transmitting antenna of directional gain greater than 6dBi is used, the output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

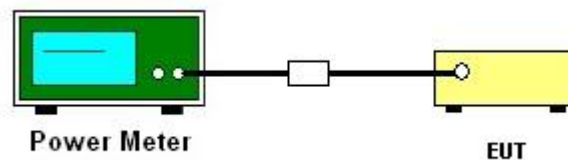
3.2.2 Measuring Instruments

The section 4.0 of List of Measuring Equipment of this test report is used for test.

3.2.3 Test Procedures

1. The testing follows the Measurement Procedure of ANSI C63.10-2020 clause 11.9.1.2 PKPM1 Peak power meter or ANSI C63.10-2020 clause 11.9.2.3.1 Method AVGPM method.
2. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Measure the conducted output power and record the results in the test report.

3.2.4 Test Setup



3.2.5 Test Result of Peak Output Power

Please refer to Appendix A.

3.2.6 Test Result of Average Output Power (Reporting Only)

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

The peak power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.

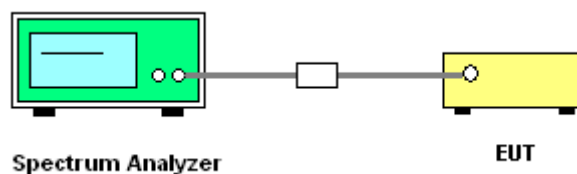
3.3.2 Measuring Instruments

The section 4.0 of List of Measuring Equipment of this test report is used for test.

3.3.3 Test Procedures

1. The testing follows Measurement Procedure of ANSI C63.10-2020 clause 11.10.2 Method PKPSD.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 3 kHz. Video bandwidth VBW = 10 kHz In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW)
5. Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level.
6. Measure and record the results in the test report.
7. The Measured power density (dBm)/ 100kHz is a reference level and used as 20dBc down limit line for Conducted Band Edges and Conducted Spurious Emission.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

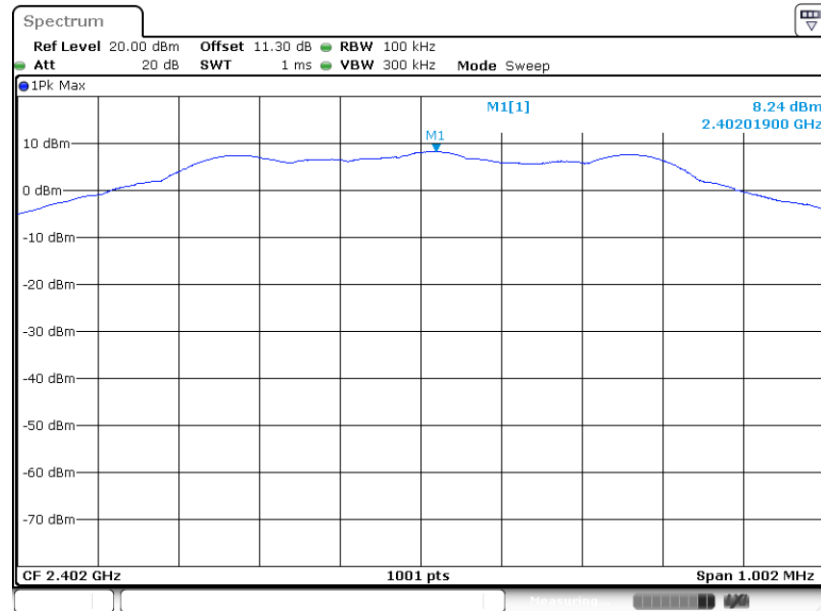
Please refer to Appendix A.



3.3.6 Test Result of Power Spectral Density Plots (100kHz)

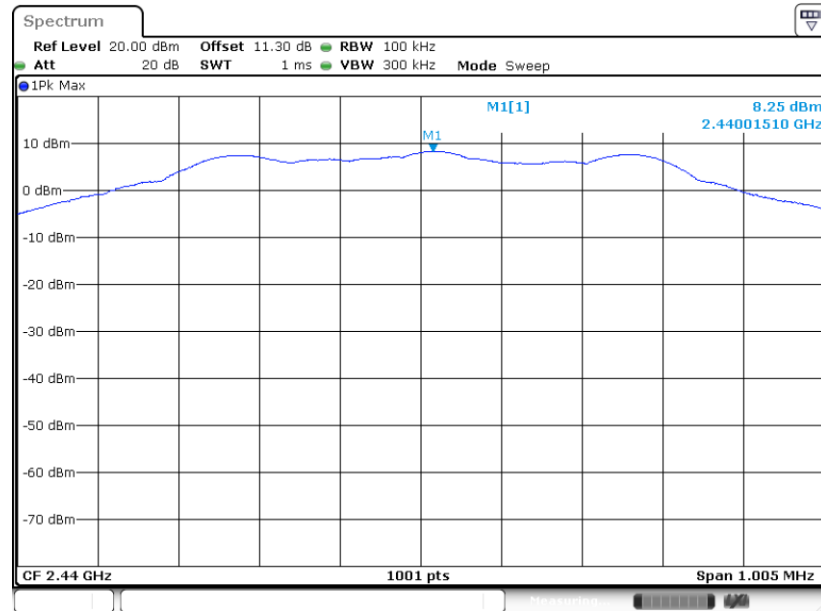
BLE 1Mbps

PSD 100kHz Plot on Channel 00



Date: 19 SEP. 2025 18:33:56

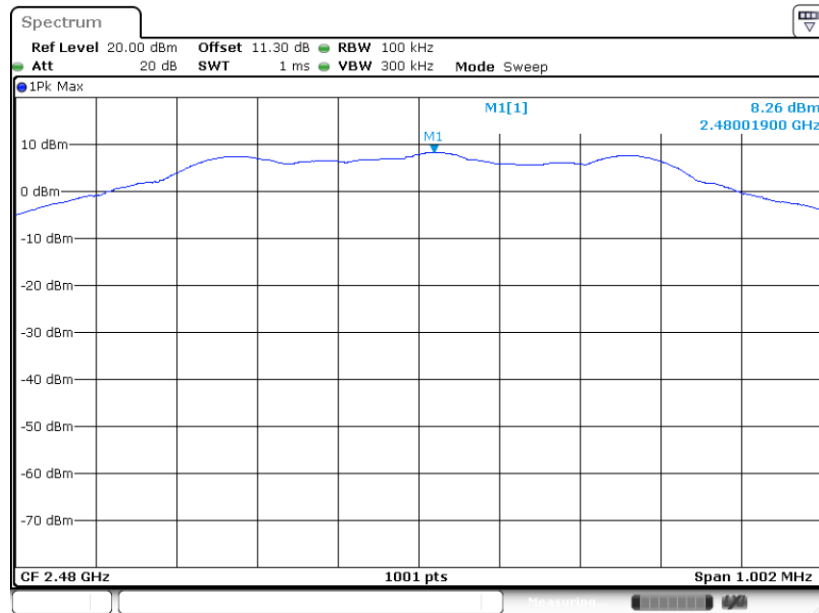
PSD 100kHz Plot on Channel 19



Date: 19 SEP. 2025 18:37:42



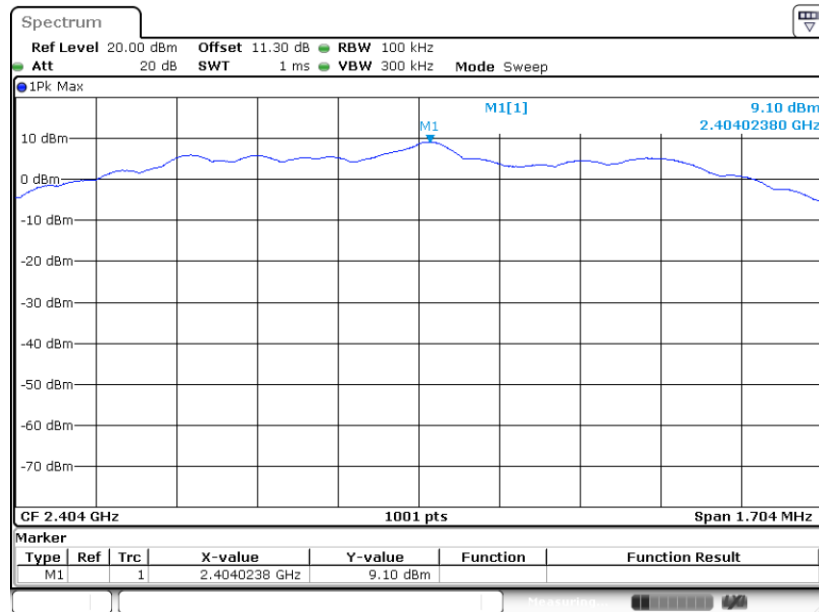
PSD 100kHz Plot on Channel 39



Date: 19.SEP.2025 18:42:40

BLE 2Mbps

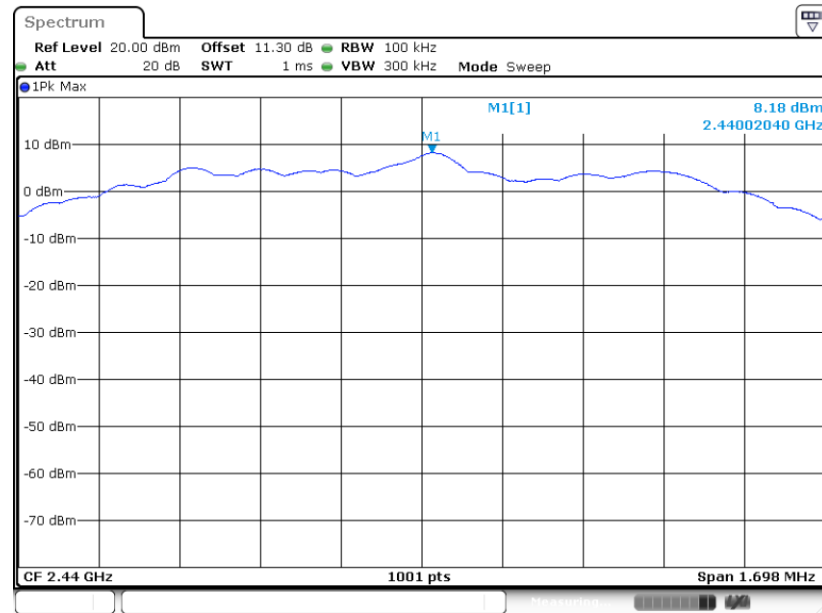
PSD 100kHz Plot on Channel 02



Date: 16.OCT.2025 19:41:08

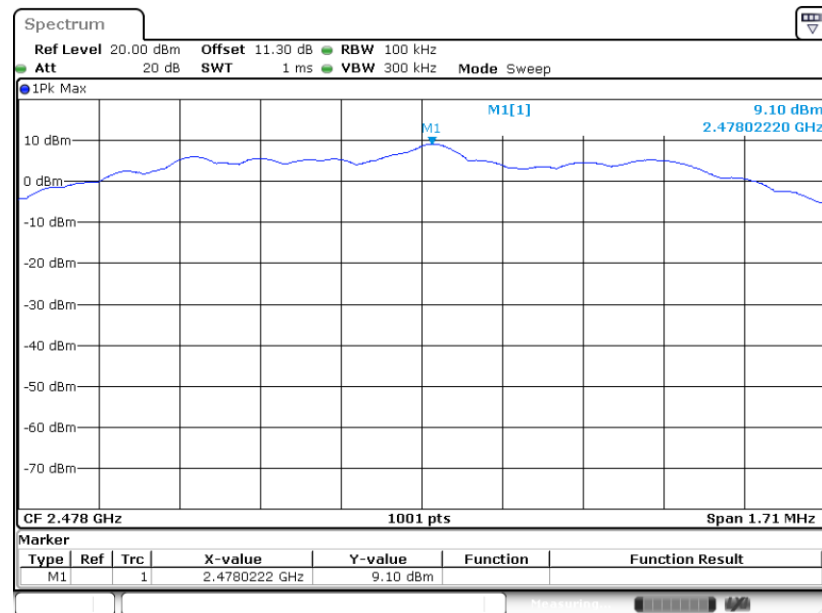


PSD 100kHz Plot on Channel 19



Date: 19.SEP.2025 18:50:59

PSD 100kHz Plot on Channel 38

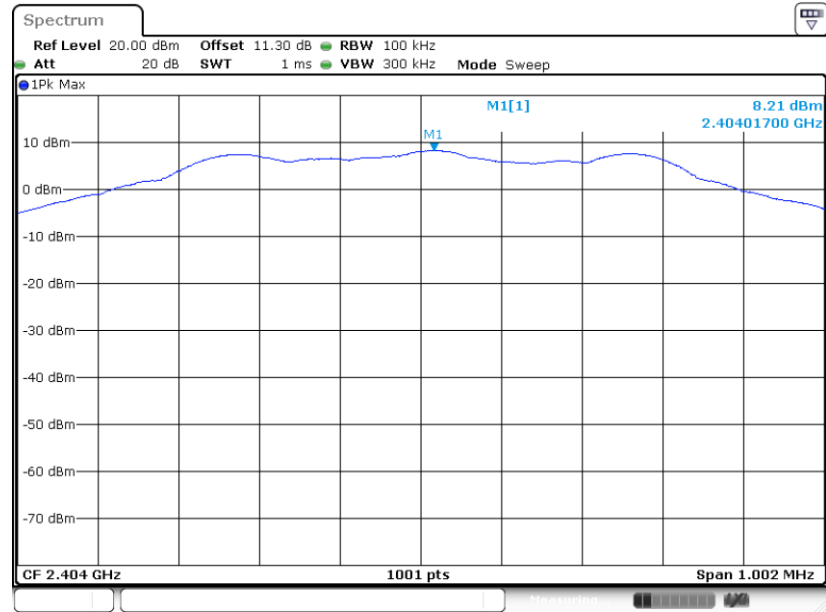


Date: 16.OCT.2025 19:36:22



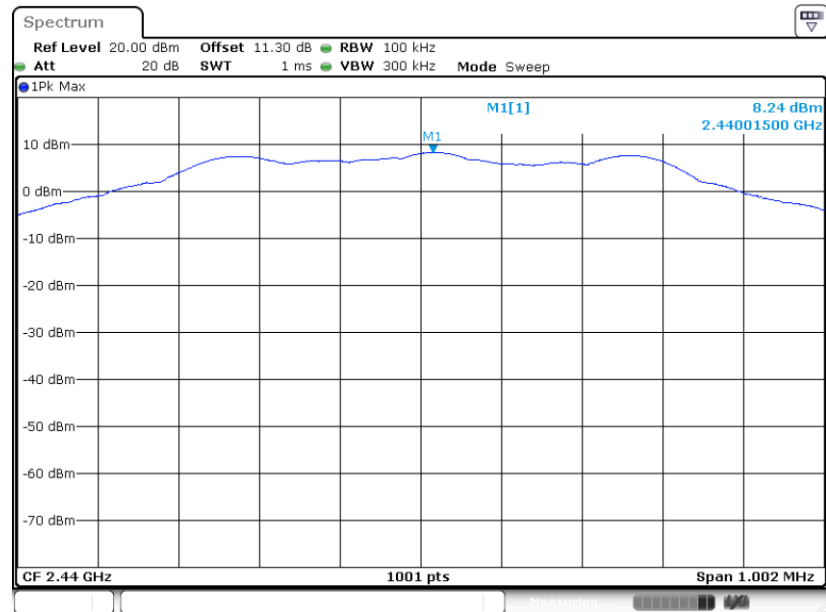
BLE CS GFSK 1Mbps

PSD 100kHz Plot on Channel 02



Date: 19.SEP.2025 19:00:10

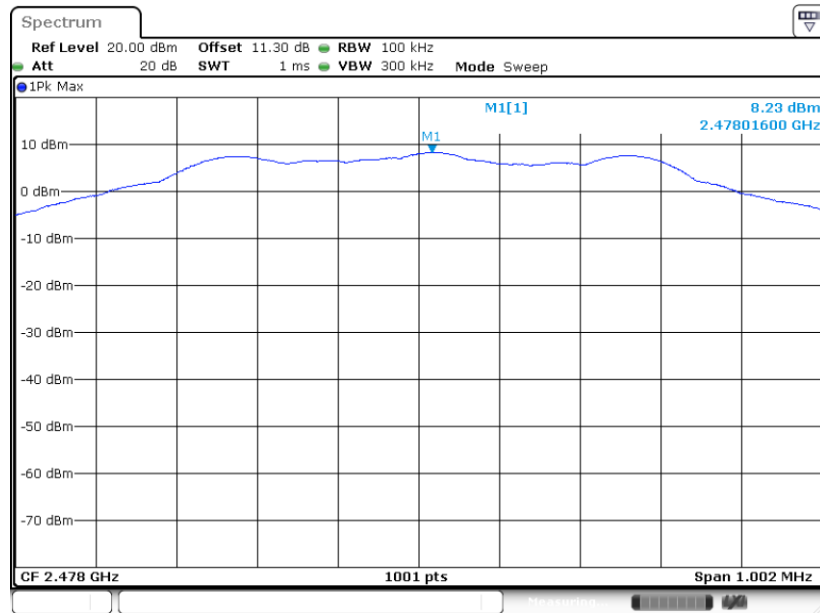
PSD 100kHz Plot on Channel 38



Date: 19.SEP.2025 19:10:56



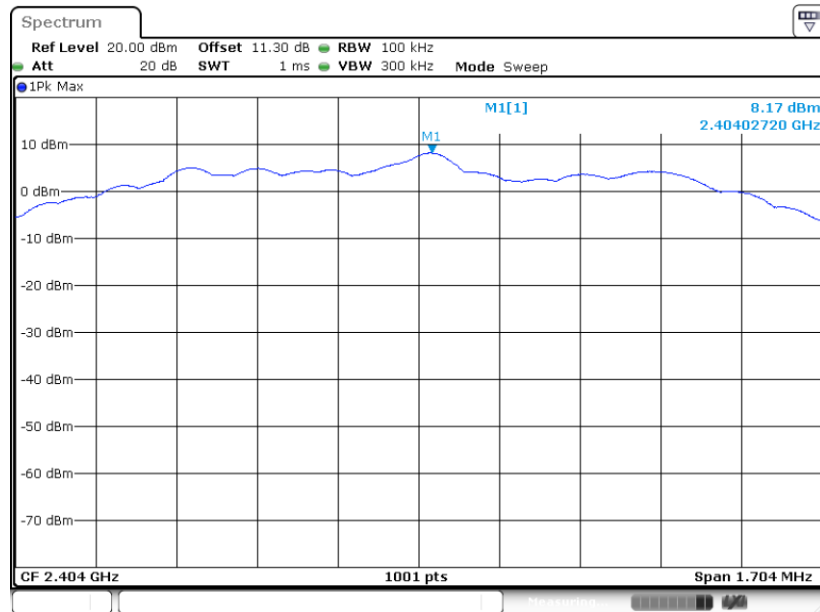
PSD 100kHz Plot on Channel 76



Date: 19.SEP.2025 19:13:31

BLE CS GFSK 2Mbps

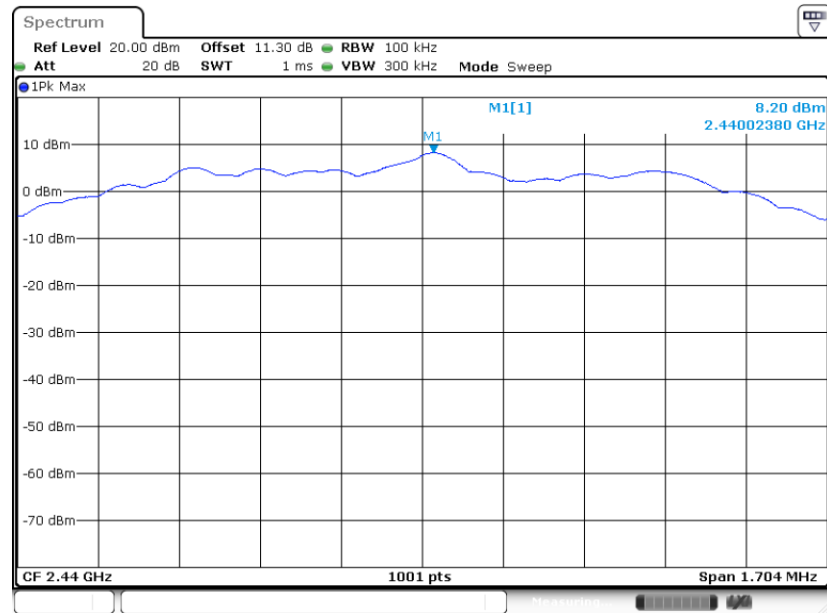
PSD 100kHz Plot on Channel 02



Date: 19.SEP.2025 19:22:41

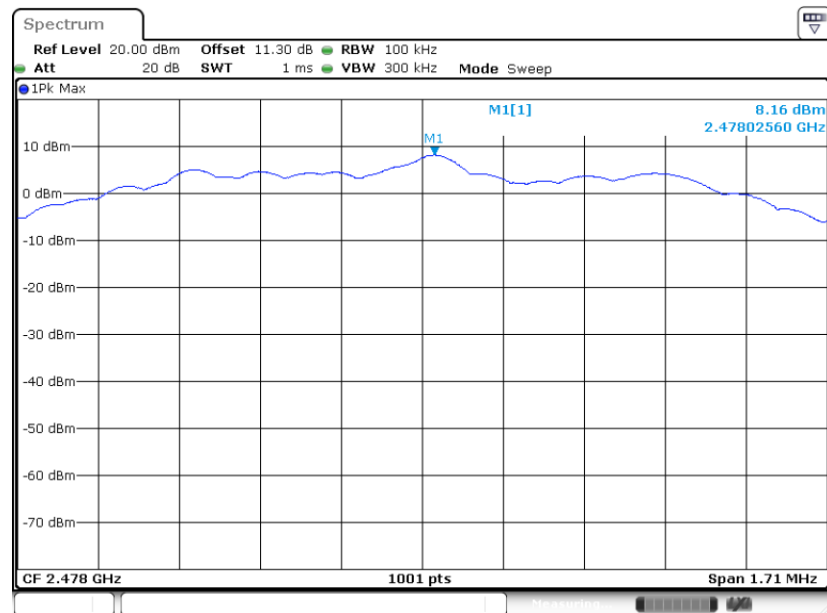


PSD 100kHz Plot on Channel 38



Date: 19.SEP.2025 19:31:33

PSD 100kHz Plot on Channel 76



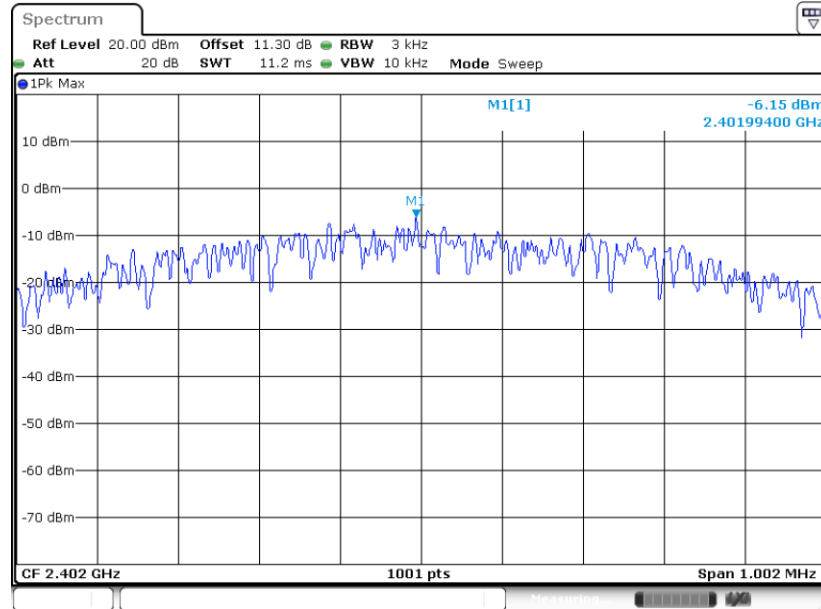
Date: 19.SEP.2025 19:46:21



3.3.7 Test Result of Power Spectral Density Plots (3kHz)

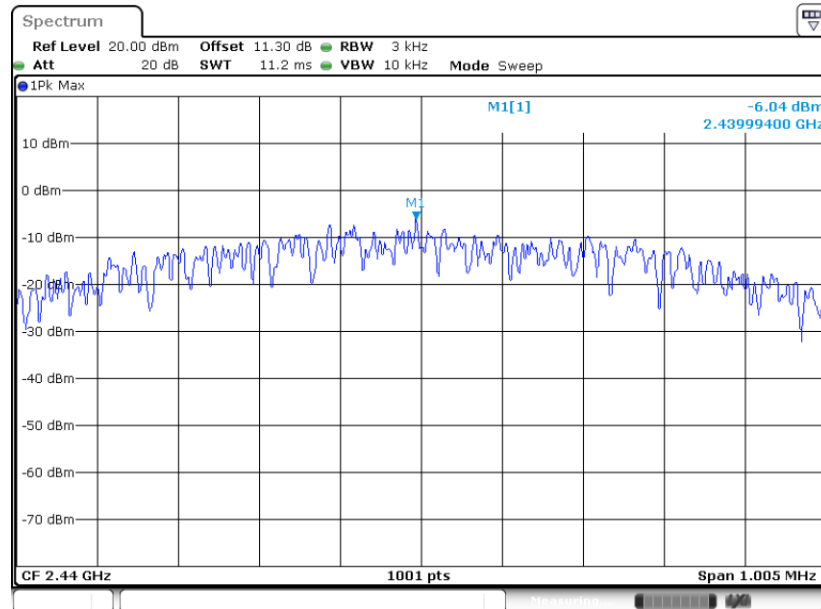
BLE 1Mbps

PSD 3kHz Plot on Channel 00



Date: 19 SEP 2025 18:33:30

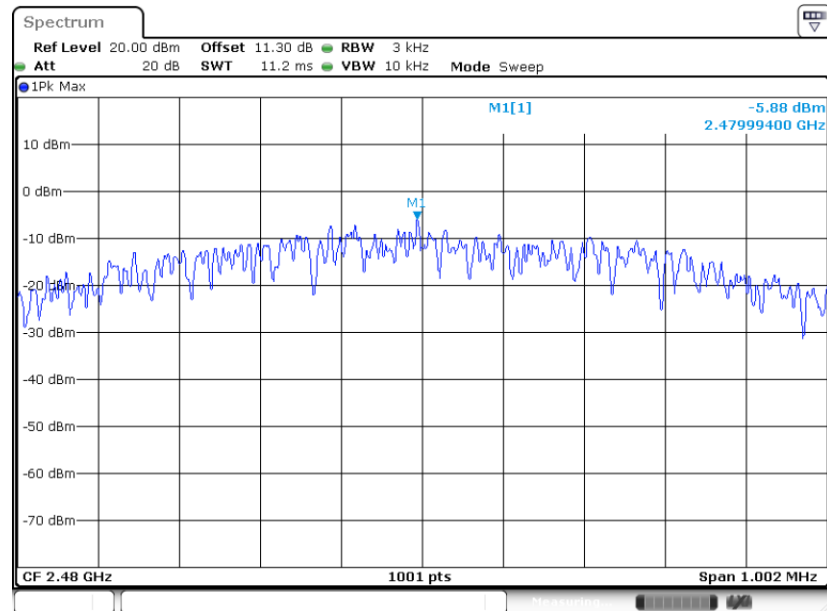
PSD 3kHz Plot on Channel 19



Date: 19 SEP 2025 18:37:23



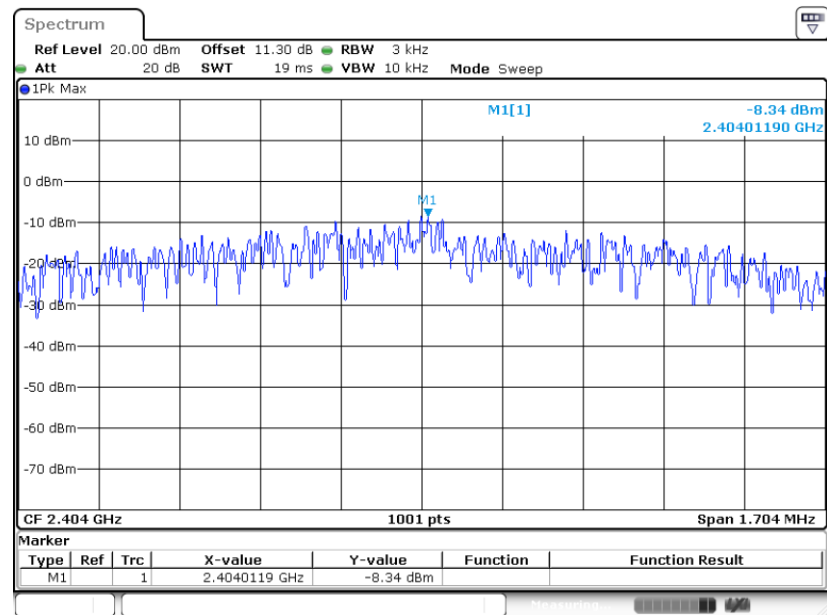
PSD 3kHz Plot on Channel 39



Date: 19.SEP.2025 18:42:24

BLE 2Mbps

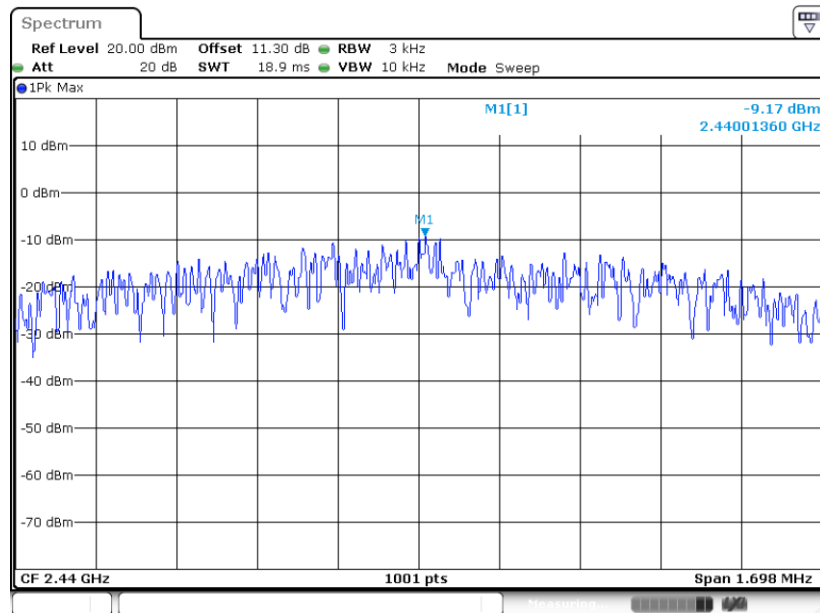
PSD 3kHz Plot on Channel 02



Date: 16.OCT.2025 19:40:53

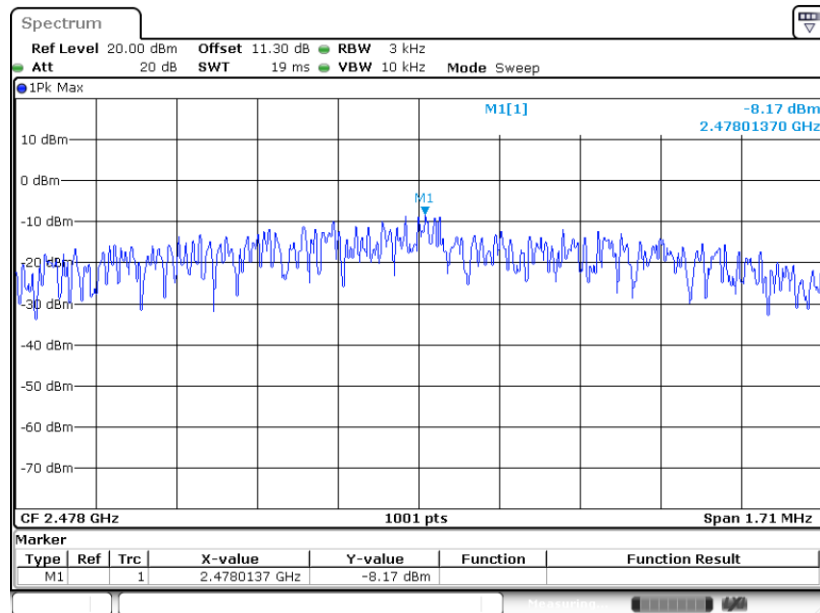


PSD 3kHz Plot on Channel 19



Date: 19.SEP.2025 18:50:42

PSD 3kHz Plot on Channel 38

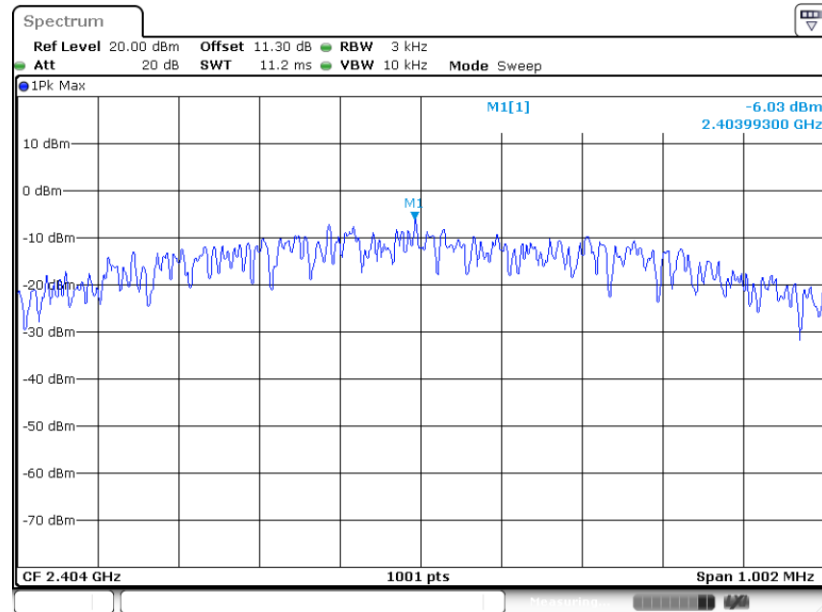


Date: 16.OCT.2025 19:36:06



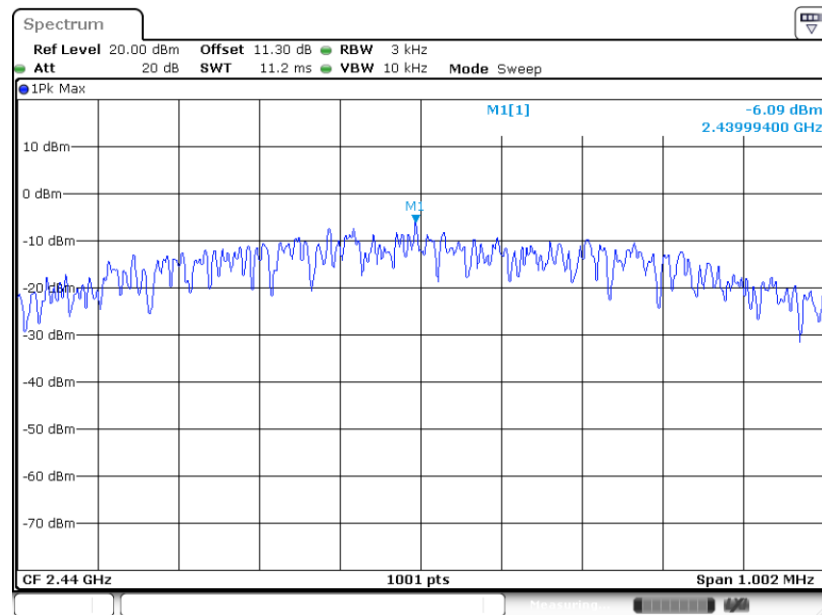
BLE CS GFSK 1Mbps

PSD 3kHz Plot on Channel 02



Date: 19.SEP.2025 18:59:24

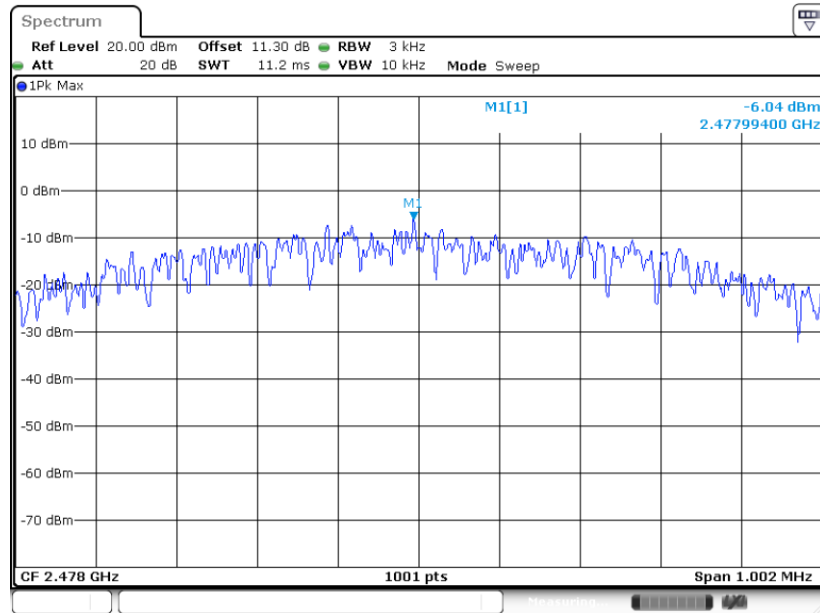
PSD 3kHz Plot on Channel 38



Date: 19.SEP.2025 19:10:39



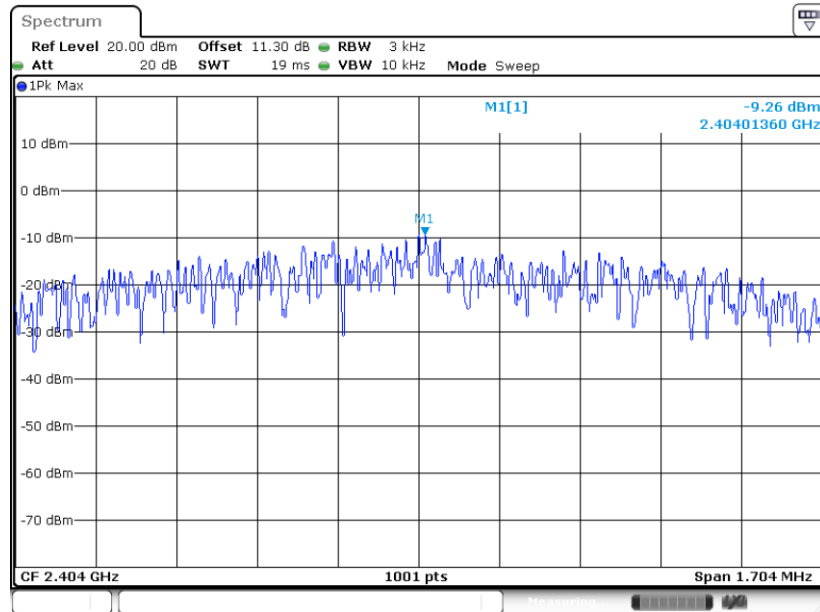
PSD 3kHz Plot on Channel 76



Date: 19.SEP.2025 19:20:33

BLE CS GFSK 2Mbps

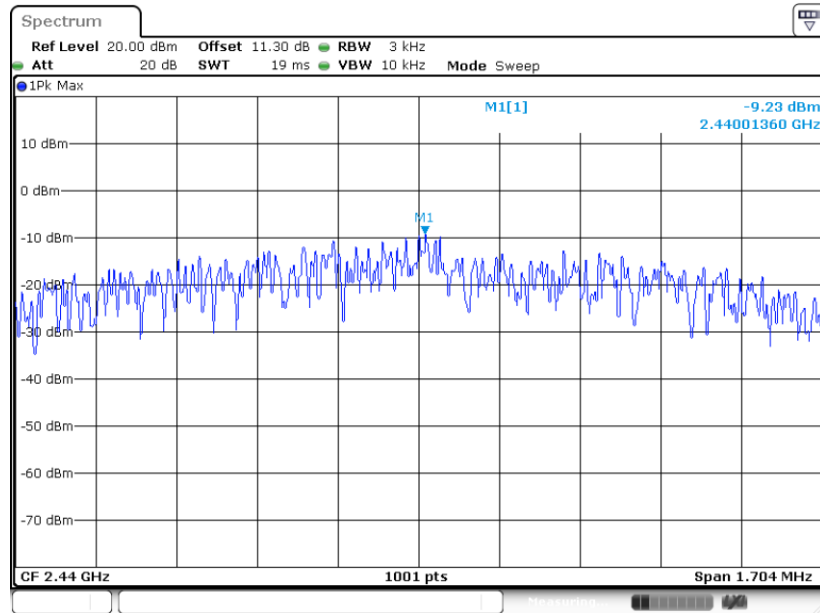
PSD 3kHz Plot on Channel 02



Date: 19.SEP.2025 19:22:16

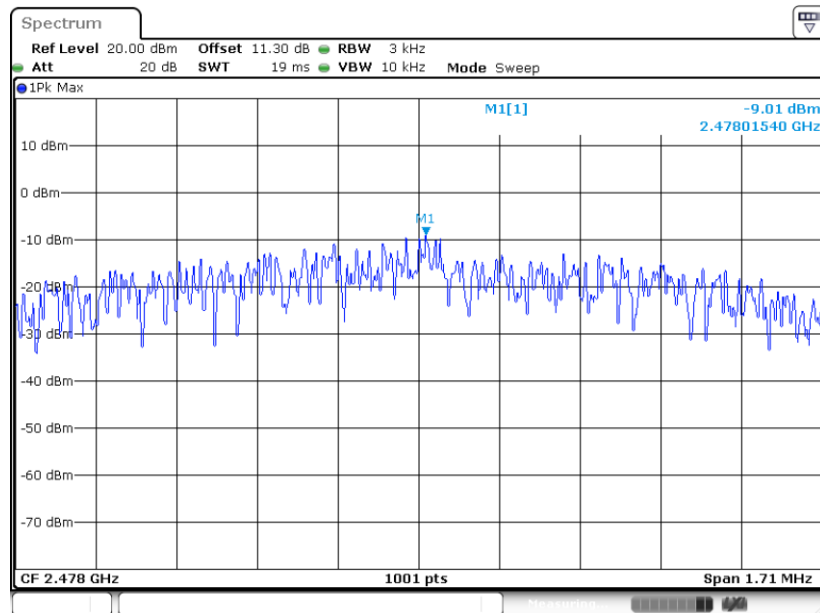


PSD 3kHz Plot on Channel 38



Date: 19.SEP.2025 19:31:16

PSD 3kHz Plot on Channel 76



Date: 19.SEP.2025 19:46:03

3.4 Conducted Band Edges and Spurious Emission Measurement

3.4.1 Limit of Conducted Band Edges and Spurious Emission

All harmonics/spurious must be at least 20 dB down from the highest emission level within the authorized band.

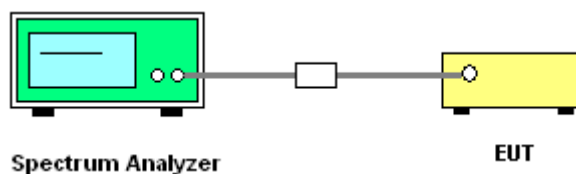
3.4.2 Measuring Instruments

The section 4.0 of List of Measuring Equipment of this test report is used for test.

3.4.3 Test Procedure

1. The testing follows ANSI C63.10-2020 clause 11.11.3
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured 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 when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.
5. Measure and record the results in the test report.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

3.4.4 Test Setup

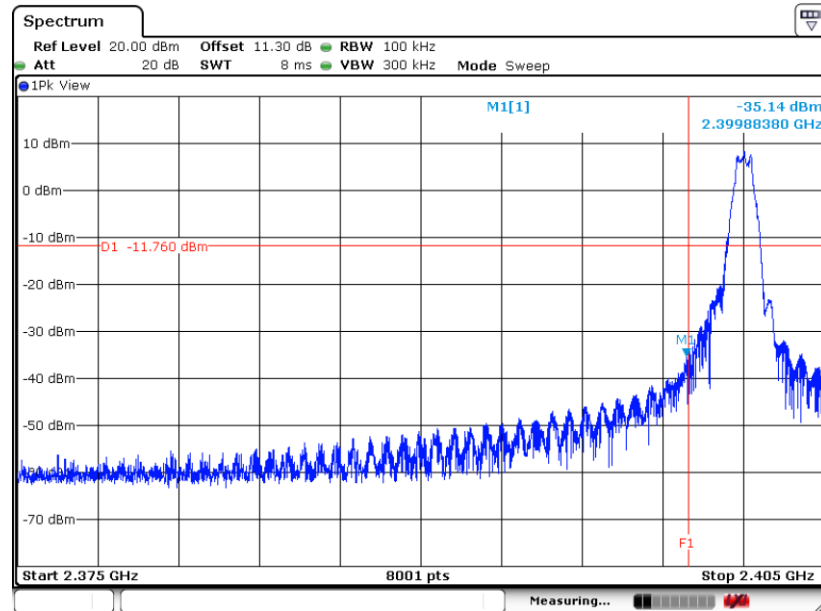




3.4.5 Test Result of Conducted Band Edges Plots

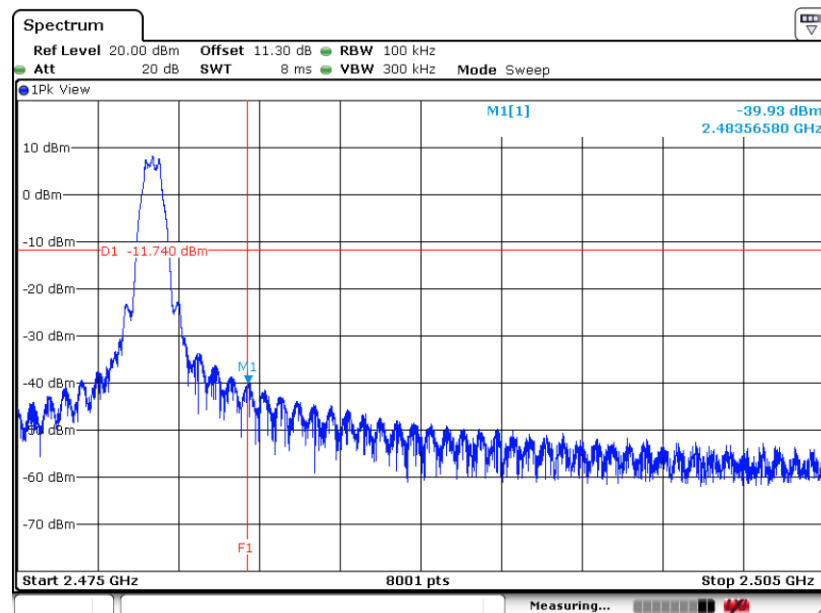
BLE 1Mbps

Low Band Edge Plot on Channel 00



Date: 19.SEP.2025 18:34:55

High Band Edge Plot on Channel 39

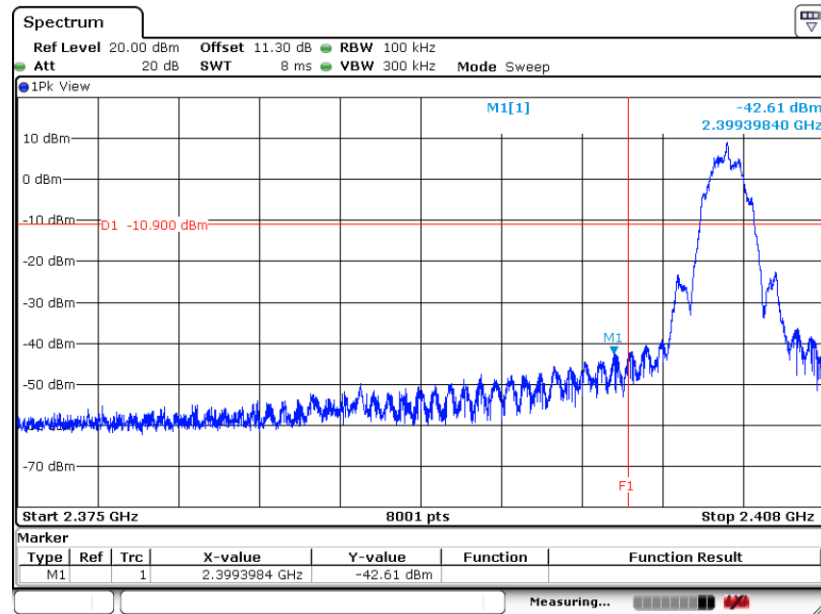


Date: 19.SEP.2025 18:44:05



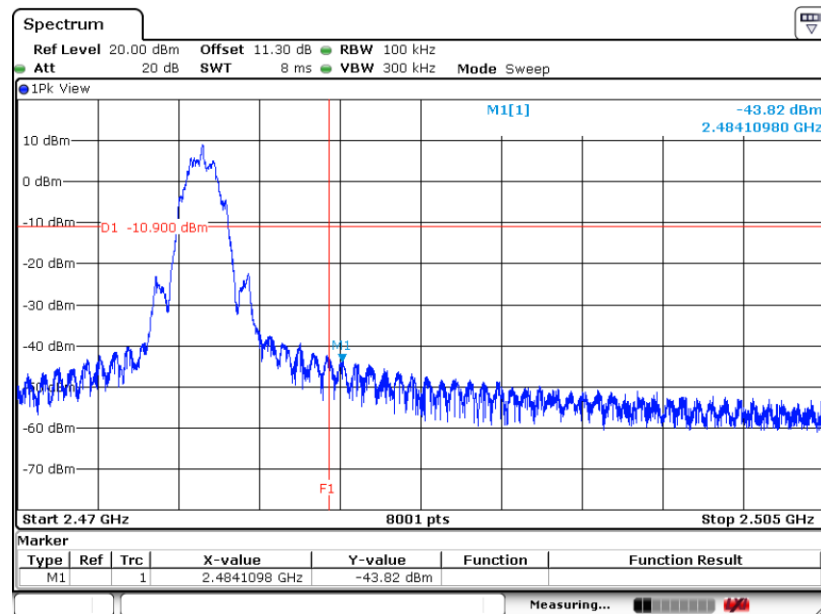
BLE 2Mbps

Low Band Edge Plot on Channel 02



Date: 16.OCT.2025 19:43:27

High Band Edge Plot on Channel 38

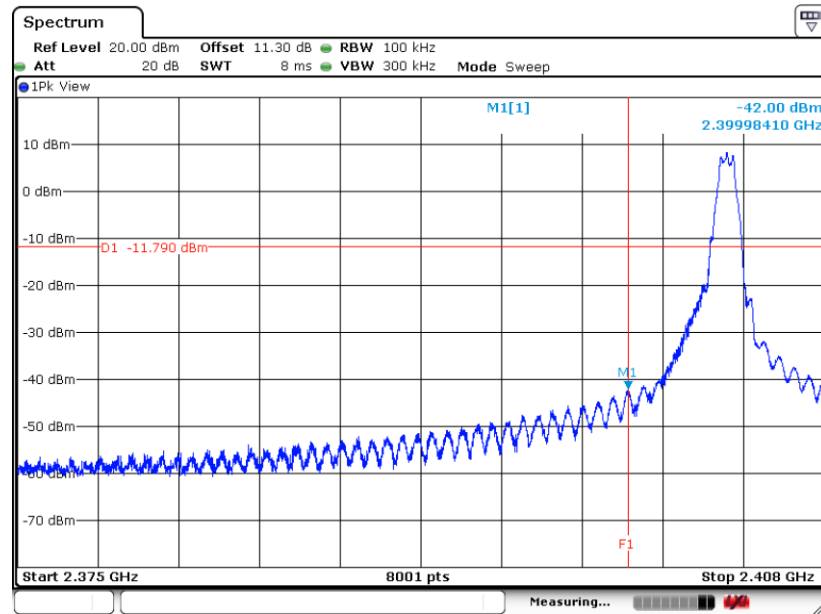


Date: 16.OCT.2025 19:40:05

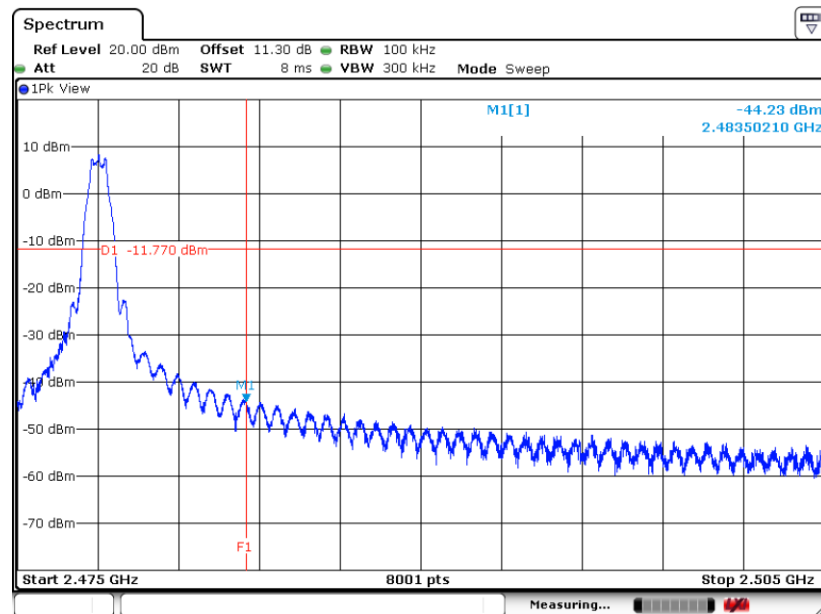


BLE CS GFSK 1Mbps

Low Band Edge Plot on Channel 02



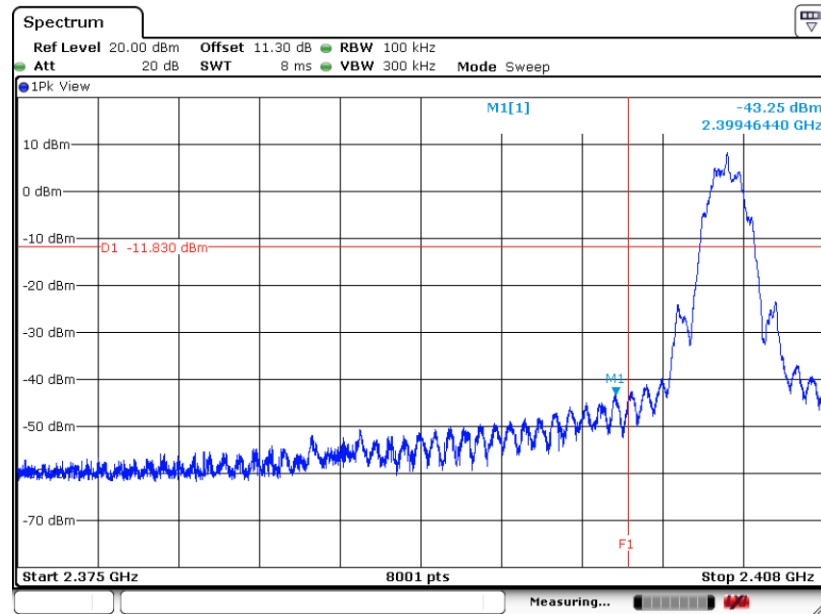
High Band Edge Plot on Channel 76





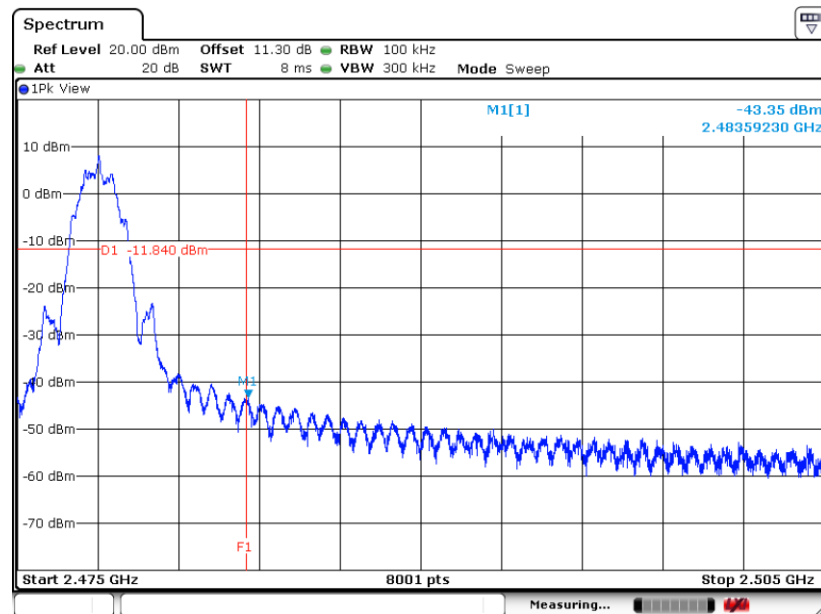
BLE CS GFSK 2Mbps

Low Band Edge Plot on Channel 02



Date: 19 SEP. 2025 19:27:59

High Band Edge Plot on Channel 76



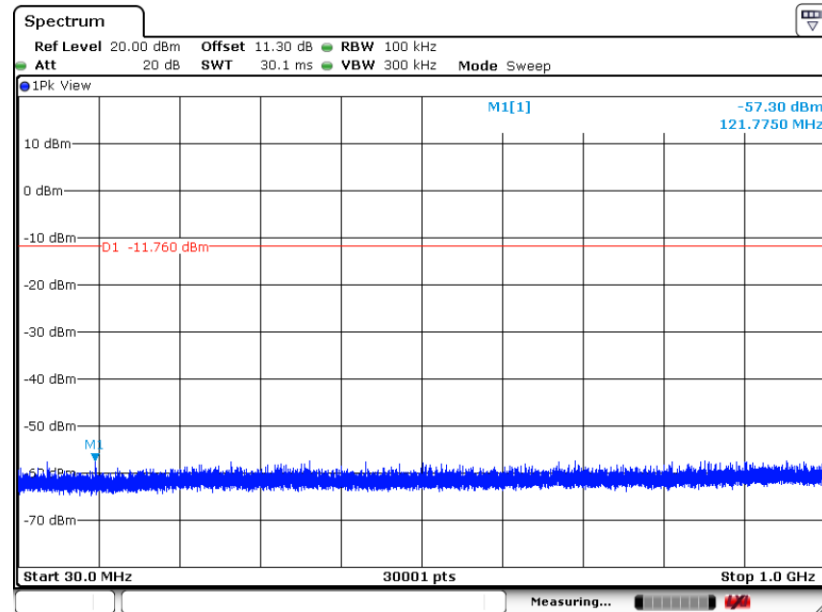
Date: 19 SEP. 2025 19:48:38



3.4.6 Test Result of Conducted Spurious Emission Plots

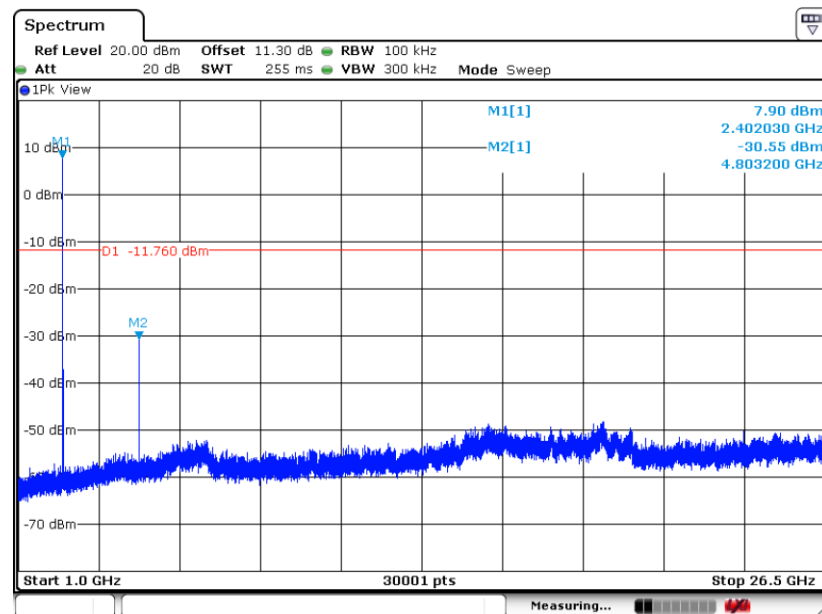
Bluetooth LE 1Mbps

Channel 00



Date: 19.SEP.2025 18:34:22

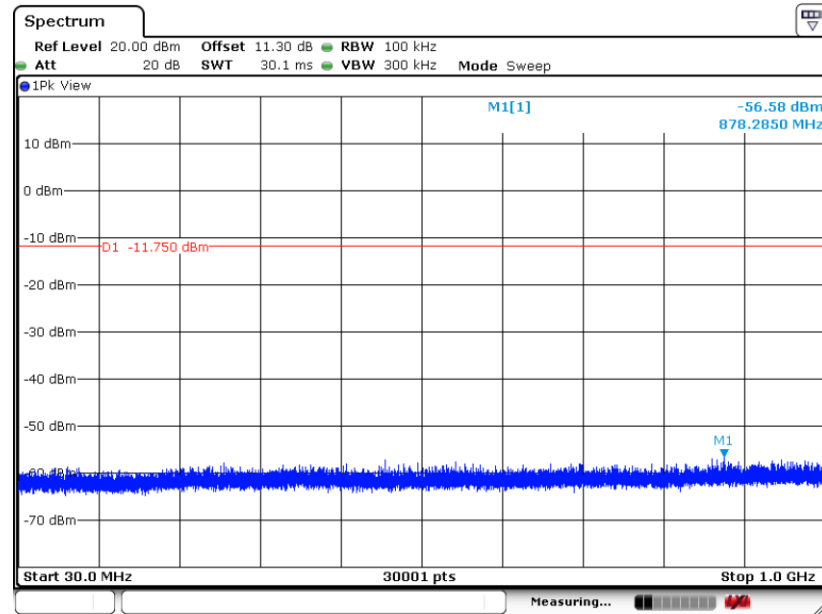
Channel 00



Date: 19.SEP.2025 18:34:38

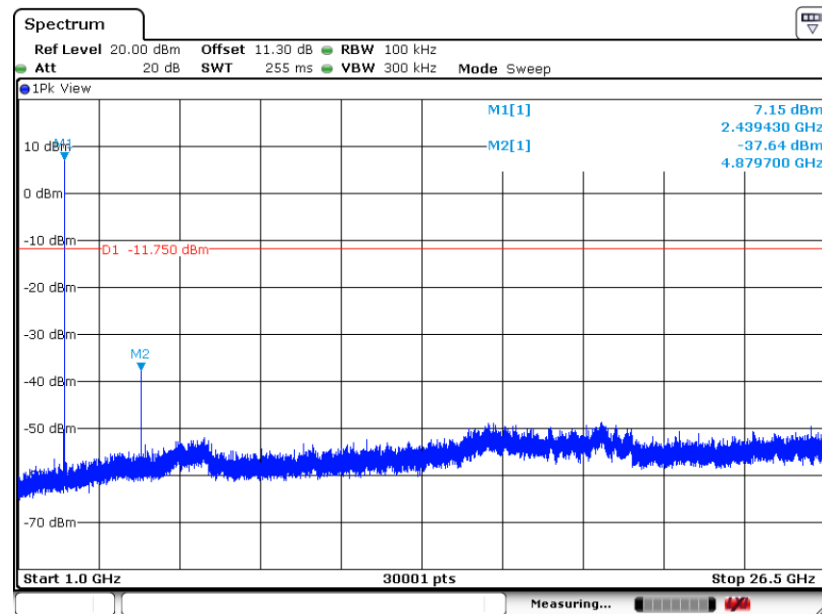


Channel 19



Date: 19 SEP. 2025 18:38:05

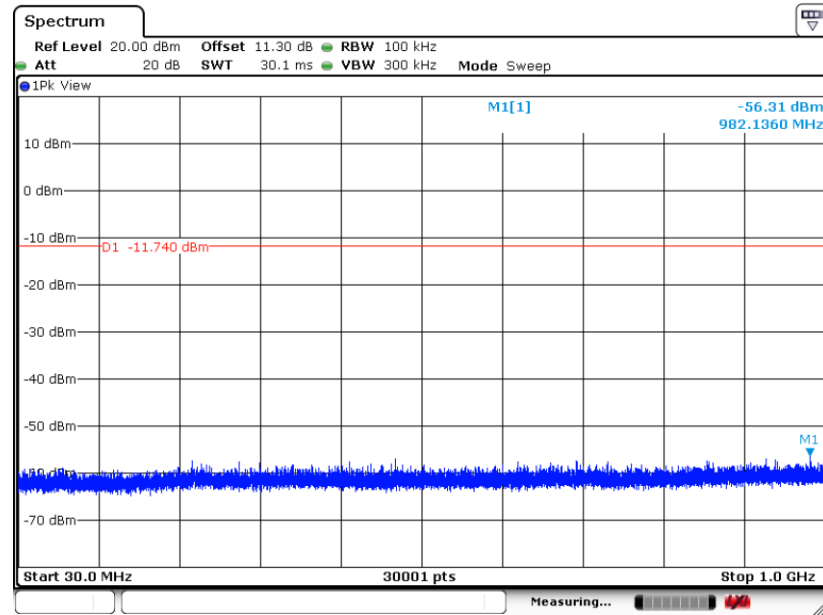
Channel 19



Date: 19 SEP. 2025 18:38:21

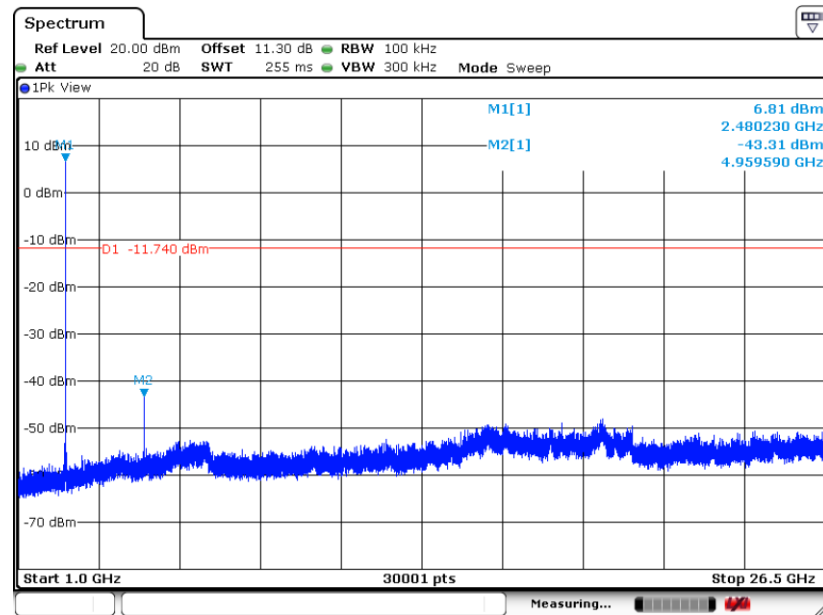


Channel 39



Date: 19.SEP.2025 18:43:02

Channel 39

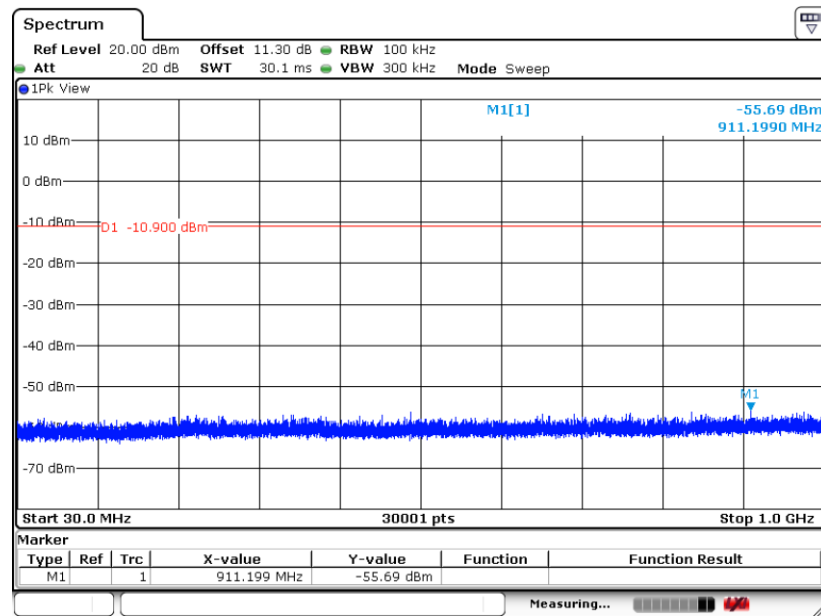


Date: 19.SEP.2025 18:43:26



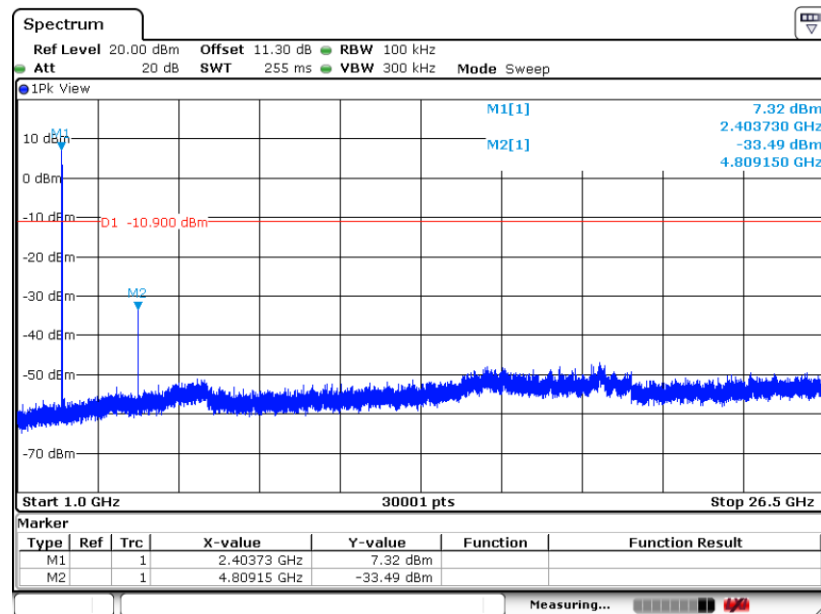
Bluetooth LE 2Mbps

Channel 02



Date: 16.OCT.2025 19:41:54

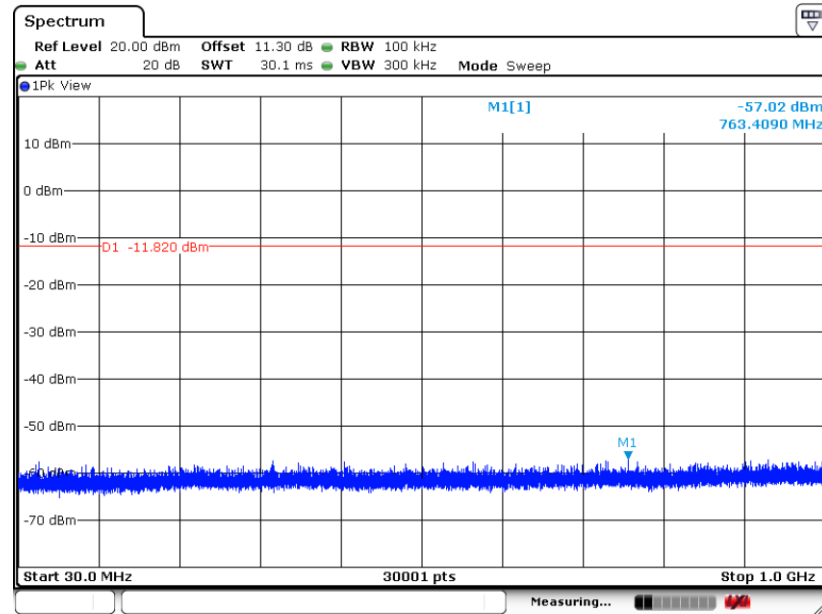
Channel 02



Date: 16.OCT.2025 19:42:11

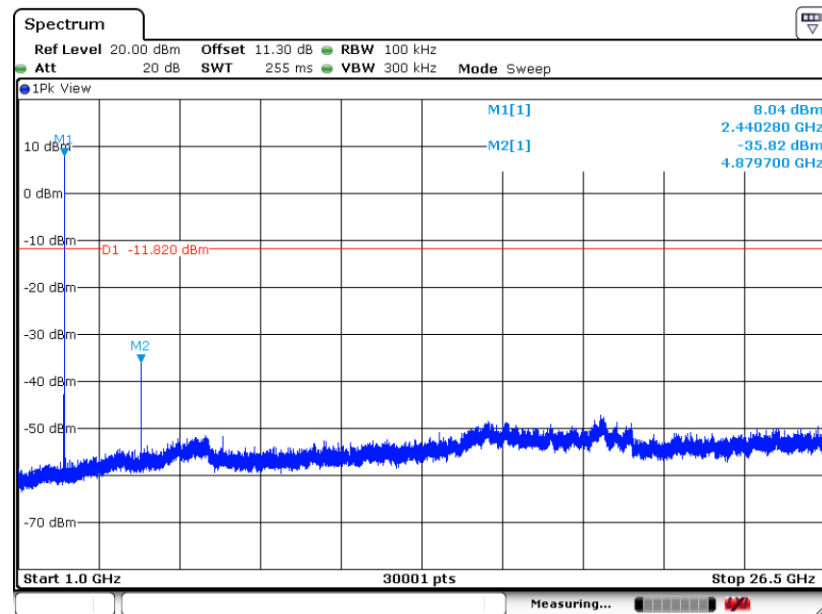


Channel 19



Date: 19 SEP. 2025 18:51:27

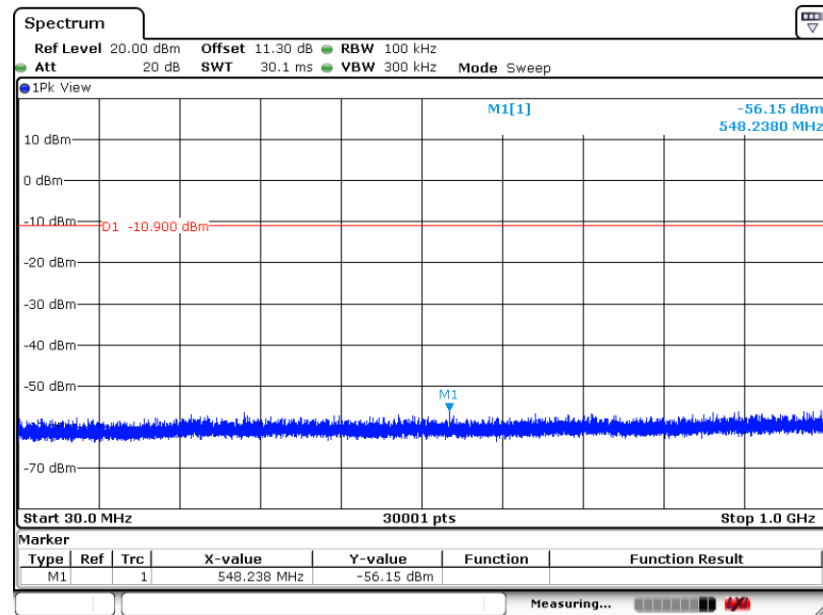
Channel 19



Date: 19 SEP. 2025 18:52:43

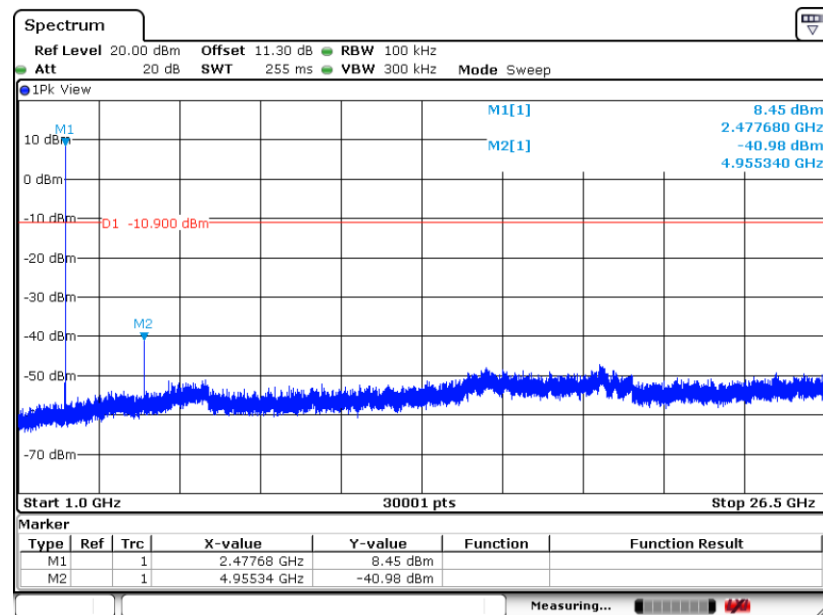


Channel 38



Date: 16.OCT.2025 19:36:38

Channel 38

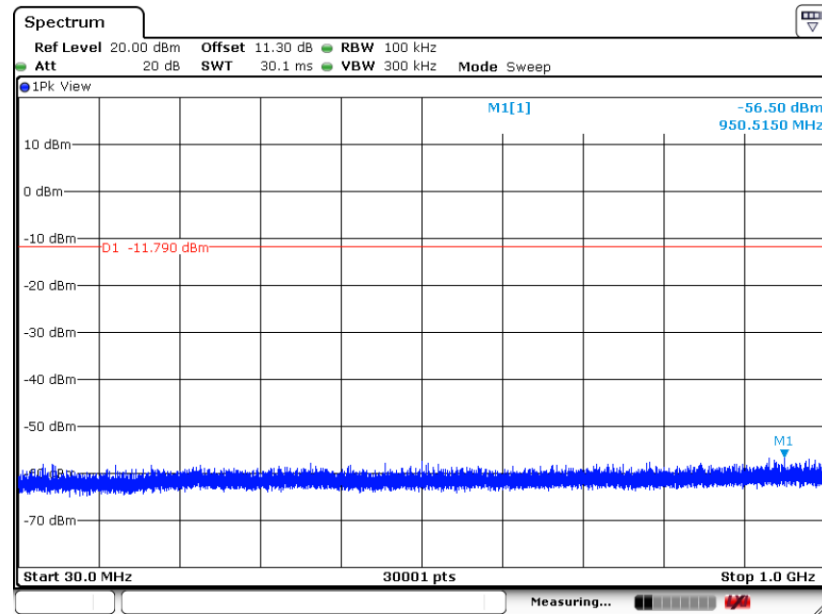


Date: 16.OCT.2025 19:36:52



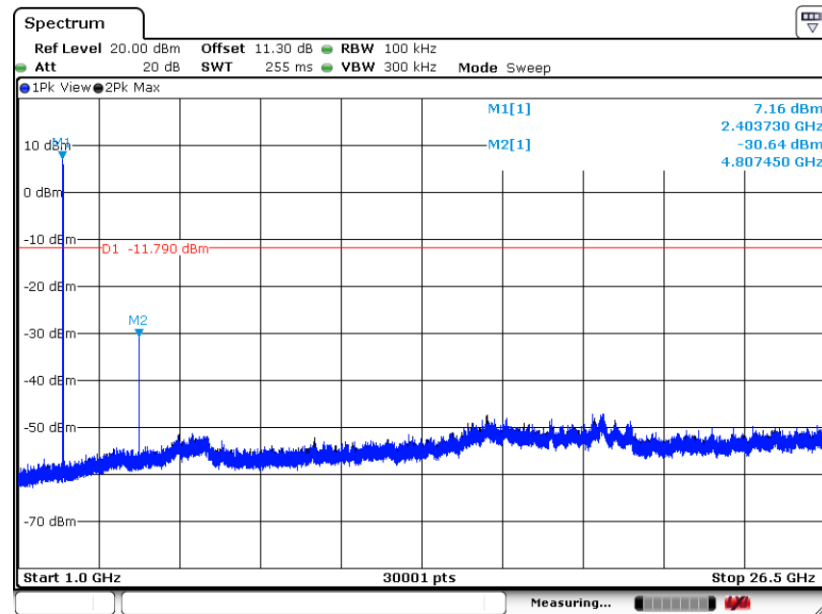
Bluetooth LE CS GFSK 1Mbps

Channel 02



Date: 19 SEP. 2025 19:00:30

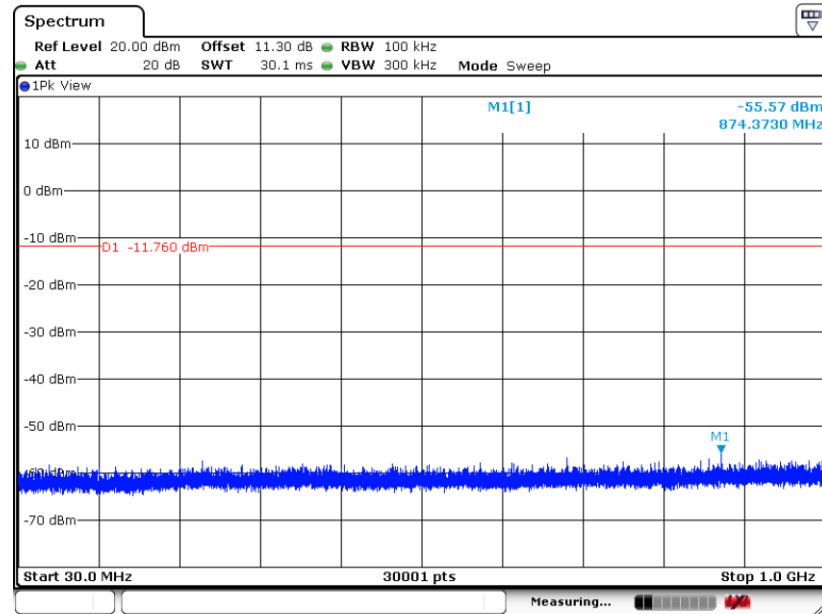
Channel 02



Date: 19 SEP. 2025 19:02:30

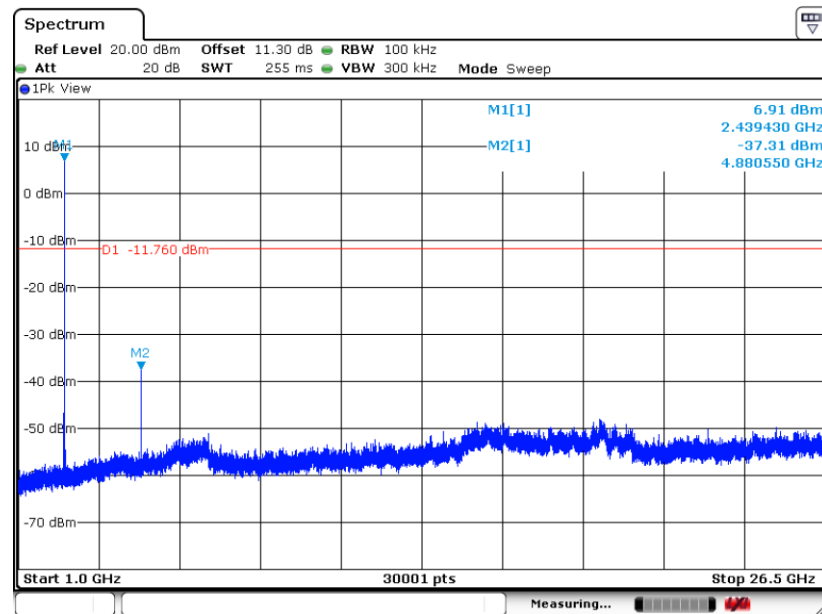


Channel 38



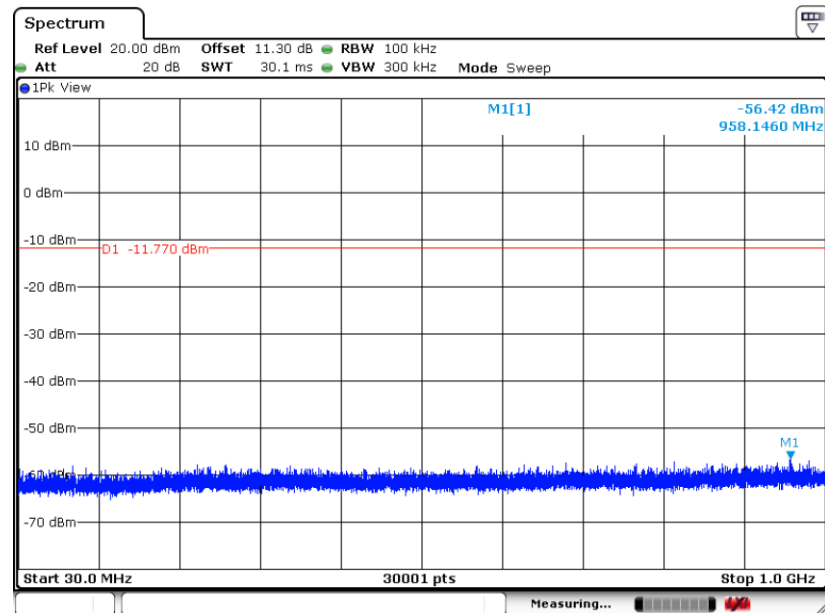
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Channel 38



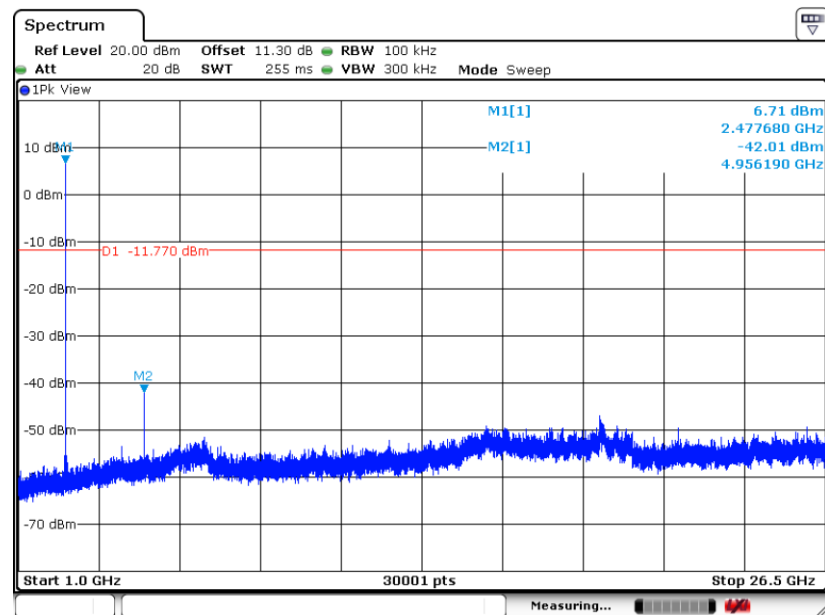
Date: 19 SEP. 2025 19:12:21

Channel 76



Date: 19.SEP.2025 19:13:50

Channel 76

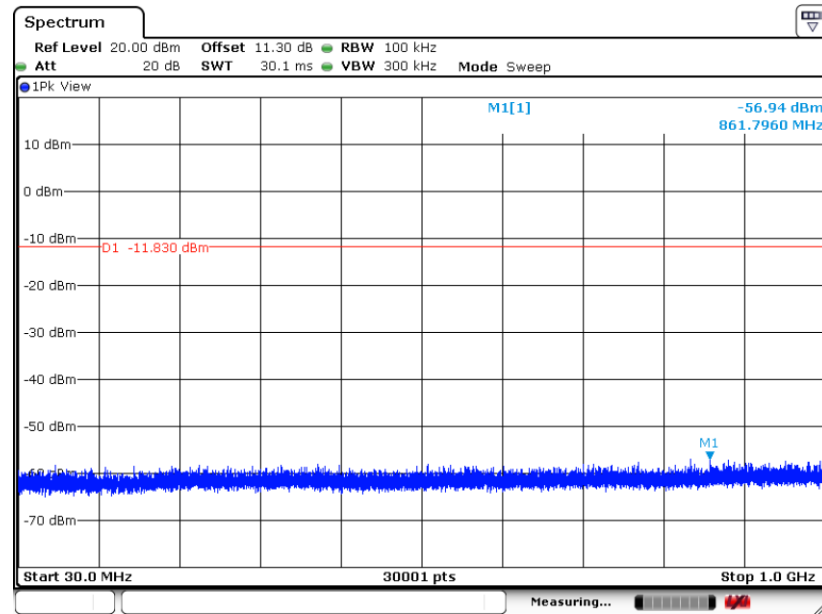


Date: 19.SEP.2025 19:14:10



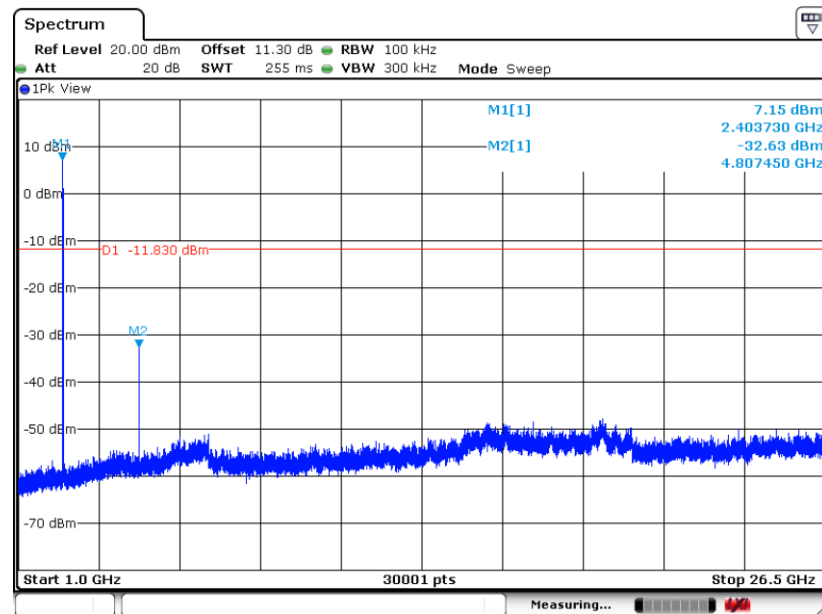
Bluetooth LE CS GFSK 2Mbps

Channel 02



Date: 19 SEP.2025 19:23:03

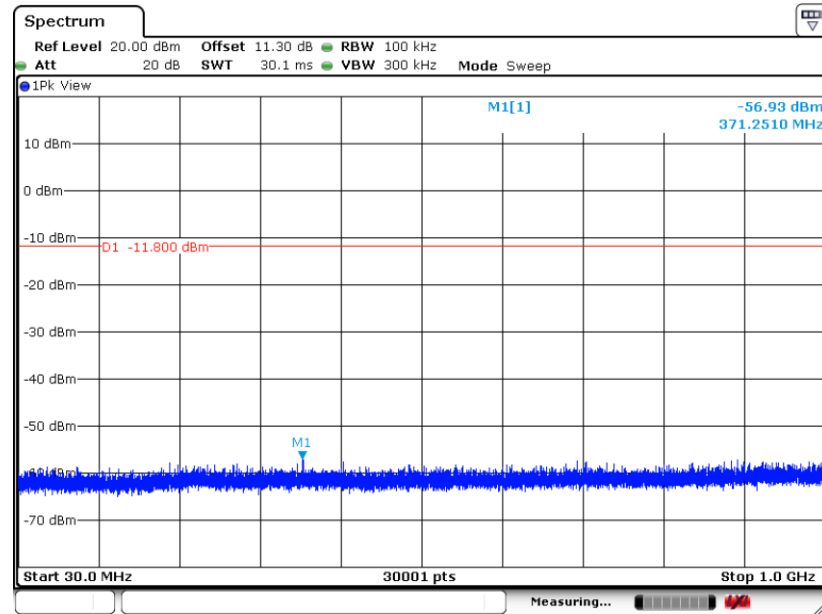
Channel 02



Date: 19 SEP.2025 19:23:56

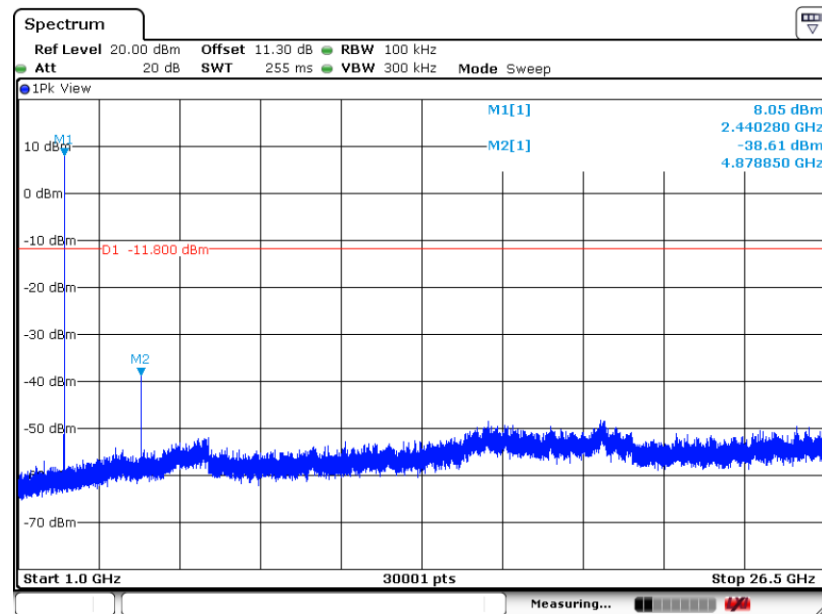


Channel 38



Date: 19 SEP. 2025 19:31:52

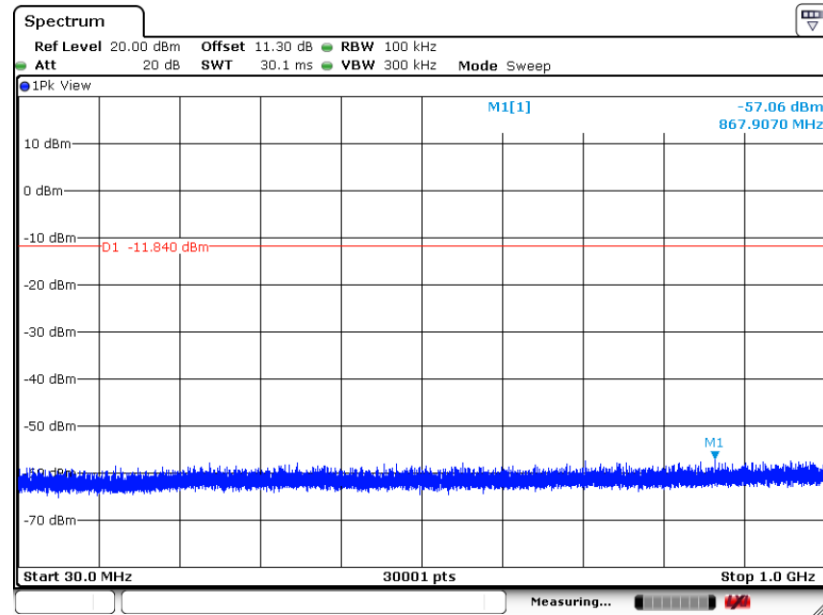
Channel 38



Date: 19 SEP. 2025 19:32:08

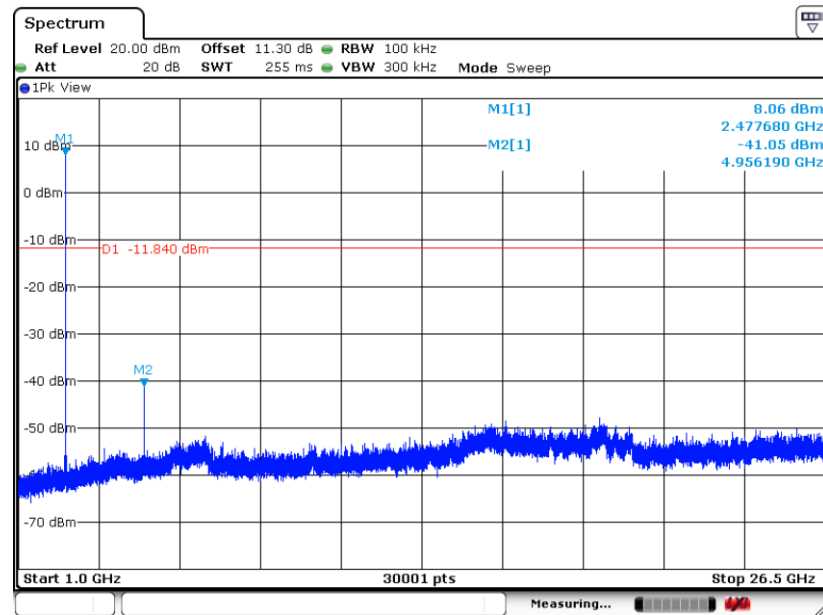


Channel 76



Date: 19.SEP.2025 19:46:39

Channel 76



Date: 19.SEP.2025 19:46:55

3.5 Radiated Band Edges and Spurious Emission Measurement

3.5.1 Limit of Radiated Band Edges and Spurious Emission

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device was measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

3.5.2 Measuring Instruments

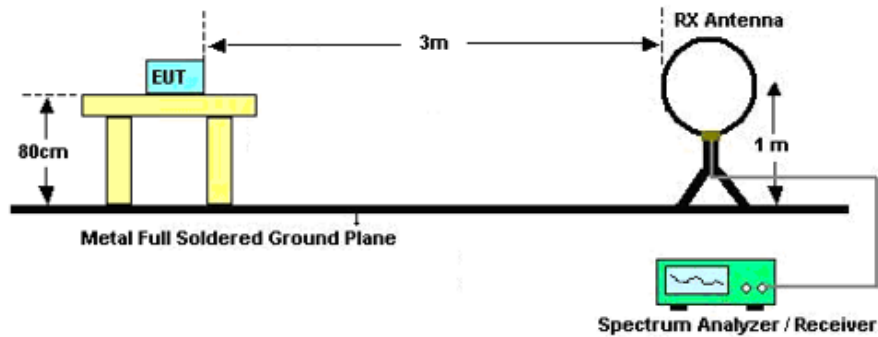
The section 4.0 of List of Measuring Equipment of this test report is used for test.

3.5.3 Test Procedures

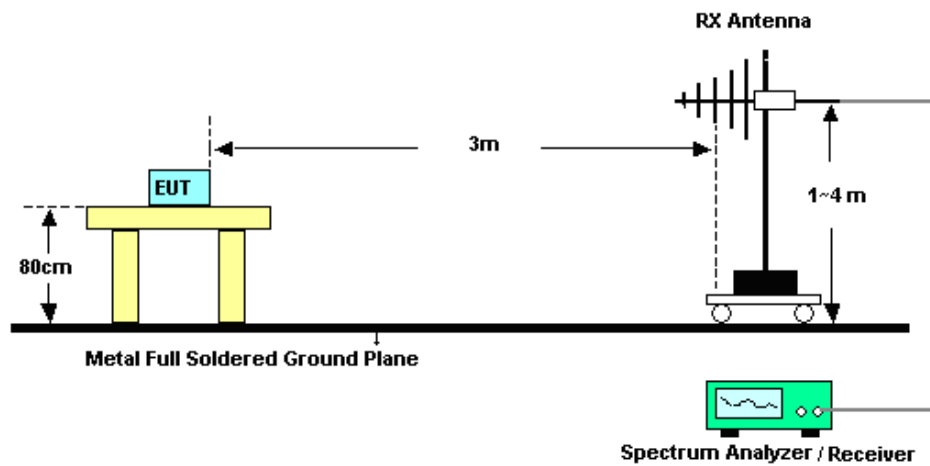
1. The testing follows ANSI C63.10-2020 clause 6.3, 6.5, 6.6, 11.11 and 11.12.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than peak limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
8. Use the following spectrum analyzer settings:
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Set RBW=100 kHz for $f < 1$ GHz, RBW=1MHz for $f > 1$ GHz ; VBW $\geq$ RBW; Sweep = auto; Detector function = peak; Trace = max hold;
 - (3) For average measurement: use duty cycle correction factor method.
 $DCCF = 20 \cdot \log(\text{Duty cycle})$
Average Emission Level = Peak Emission Level + $20 \cdot \log(\text{Duty cycle})$

3.5.4 Test Setup

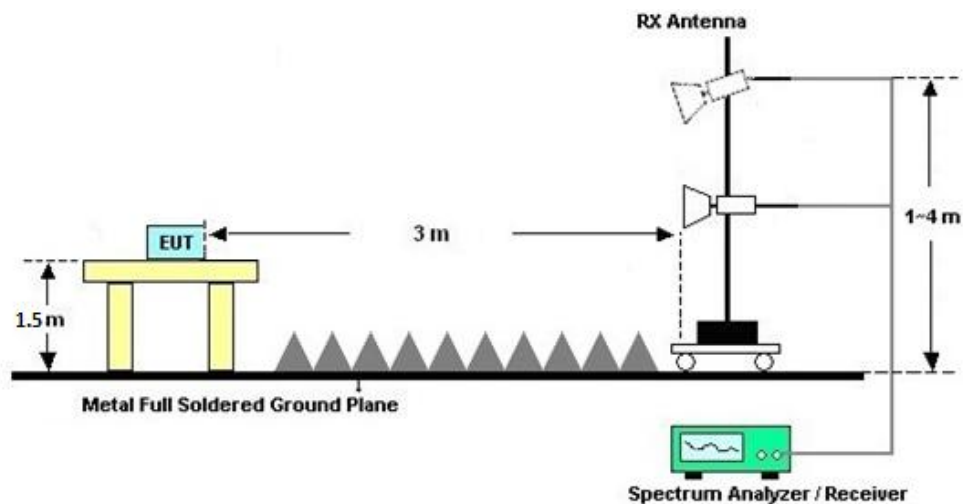
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



**3.5.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)**

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B.

3.5.7 Duty cycle correction factor for average measurement

Please refer to Appendix C.

3.5.8 Test Result of Radiated Spurious Emission (30MHz ~ 10th Harmonic or 40GHz, whichever is lower)

Please refer to Appendix B.



3.6 Antenna Requirements

3.6.1 Standard Applicable

If directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 02, 2025	Sep. 19, 2025~ Oct. 16, 2025	Apr. 01, 2026	Conducted (TH01-SZ)
Pulse Power Sensor	Anritsu	MA2411B	1339473	30MHz~40GHz	Dec. 25, 2024	Sep. 19, 2025~ Oct. 16, 2025	Dec. 24, 2025	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1218010	50MHz Bandwidth	Oct. 14, 2024	Sep. 19, 2025~ Oct. 16, 2025	Oct. 13, 2025	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1218010	50MHz Bandwidth	Oct. 13, 2025		Oct. 12, 2026	Conducted (TH01-SZ)
EMI Test Receiver	R&S	ESR7	101404	9kHz~7GHz	Oct. 14, 2024	Oct. 12, 2025~ Oct. 13, 2025	Oct. 13, 2025	Radiation (03CH04-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2025	Oct. 12, 2025~ Oct. 13, 2025	Jul. 02, 2026	Radiation (03CH04-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Oct. 12, 2025~ Oct. 13, 2025	Dec. 27, 2025	Radiation (03CH04-SZ)
Bilog Antenna	TeseQ	CBL6111D	41909	30MHz~1GHz	May. 09, 2025	Oct. 12, 2025~ Oct. 13, 2025	May. 08, 2026	Radiation (03CH04-SZ)
Double Ridge Guide Antenna	ETS-Lindgren	Burgeon-3117	00240057	1GHz~18GHz	Jul. 03, 2025	Oct. 12, 2025~ Oct. 13, 2025	Jul. 02, 2026	Radiation (03CH04-SZ)
Horn Antenna	SCHWARZBECK	BBHA9170	9170#679	15GHz~40GHz	Jul. 04, 2025	Oct. 12, 2025~ Oct. 13, 2025	Jul. 03, 2026	Radiation (03CH04-SZ)
LF Amplifier	EM Electronics	EM330	060773	20MHz~3GHz	Apr. 02, 2025	Oct. 12, 2025~ Oct. 13, 2025	Apr. 01, 2026	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	AMF-7D-0010 1800-30-10P-R	1943528	1GHz~18GHz	Oct. 14, 2024	Oct. 12, 2025~ Oct. 13, 2025	Oct. 13, 2025	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2025	Oct. 12, 2025~ Oct. 13, 2025	Jul. 02, 2026	Radiation (03CH04-SZ)
Amplifier	Agilent Technologies	83017A	MY57280136	500MHz~26.5GHz	Jul. 03, 2025	Oct. 12, 2025~ Oct. 13, 2025	Jul. 02, 2026	Radiation (03CH04-SZ)
AC Power Source	APC	AFV-S-600B	F119050019	N/A	Oct. 14, 2024	Oct. 12, 2025~ Oct. 13, 2025	Oct. 13, 2025	Radiation (03CH04-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Oct. 12, 2025~ Oct. 13, 2025	NCR	Radiation (03CH04-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Oct. 12, 2025~ Oct. 13, 2025	NCR	Radiation (03CH04-SZ)

NCR: No Calibration Required

5 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	±1.34 dB
Occupied Channel Bandwidth	±0.012 MHz
Conducted Power	±1.34 dB
Conducted Power Spectral Density	±1.32 dB
Frequency	±1.3 Hz

Uncertainty of Radiated Emission Measurement (9 KHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.1 dB
---	--------

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.1 dB
---	--------

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.8 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.1 dB
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----- THE END -----



Appendix A. Conducted Test Results

Appendix A. Test Result of Conducted Test Items

Report Number : FR580714A

Test Engineer:	He Qingsheng	Temperature:	21~25	°C
Test Date:	2025/9/19~2025/10/16	Relative Humidity:	51~54	%

<BLE>

<u>TEST RESULTS DATA</u> <u>6dB and 99% Occupied Bandwidth</u>								
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)	6dB BW (MHz)	6dB BW Limit (MHz)	Pass/Fail
BLE	1Mbps	1	0	2402	1.029	0.668	0.50	Pass
BLE	1Mbps	1	19	2440	1.025	0.670	0.50	Pass
BLE	1Mbps	1	39	2480	1.025	0.668	0.50	Pass

<u>TEST RESULTS DATA</u> <u>Peak Power Table</u>											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak Conducted Power (dBm)	Power Setting	Conducted Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
BLE	1Mbps	1	0	2402	9.98	10dBm	30.00	-0.70	9.28	36.00	Pass
BLE	1Mbps	1	19	2440	9.62	10dBm	30.00	-0.70	8.92	36.00	Pass
BLE	1Mbps	1	39	2480	9.22	10dBm	30.00	-0.70	8.52	36.00	Pass

<u>TEST RESULTS DATA</u> <u>Average Power Table</u>												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	Power Setting	Conducted Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
BLE	1Mbps	1	0	2402	9.03	9.50	10dBm	30.00	-0.70	8.80	36.00	Pass
BLE	1Mbps	1	19	2440	9.03	9.20	10dBm	30.00	-0.70	8.50	36.00	Pass
BLE	1Mbps	1	39	2480	9.03	9.10	10dBm	30.00	-0.70	8.40	36.00	Pass

<u>TEST RESULTS DATA</u> <u>Peak Power Density</u>									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm /100kHz)	Peak PSD (dBm /3kHz)	DG (dBi)	Peak PSD Limit (dBm /3kHz)	Pass/Fail
BLE	1Mbps	1	0	2402	8.24	-6.15	-0.70	8.00	Pass
BLE	1Mbps	1	19	2440	8.25	-6.04	-0.70	8.00	Pass
BLE	1Mbps	1	39	2480	8.26	-5.88	-0.70	8.00	Pass

Note: PSD (dBm/ 100kHz) is a reference level used for Conducted Band Edges and Conducted Spurious Emission 20dBc limit.

<BLE>

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)	6dB BW (MHz)	6dB BW Limit (MHz)	Pass/Fail
BLE	2Mbps	1	1	2404	2.030	1.136	0.50	Pass
BLE	2Mbps	1	19	2440	2.034	1.132	0.50	Pass
BLE	2Mbps	1	38	2478	2.034	1.140	0.50	Pass

TEST RESULTS DATA
Peak Power Table

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak Conducted Power (dBm)	Power Setting	Conducted Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
BLE	2Mbps	1	1	2404	9.88	10dBm	30.00	-0.70	9.18	36.00	Pass
BLE	2Mbps	1	19	2440	9.55	10dBm	30.00	-0.70	8.85	36.00	Pass
BLE	2Mbps	1	38	2478	9.16	10dBm	30.00	-0.70	8.46	36.00	Pass

TEST RESULTS DATA
Average Power Table

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	Power Setting	Conducted Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
BLE	2Mbps	1	1	2404	11.58	9.40	10dBm	30.00	-0.70	8.70	36.00	Pass
BLE	2Mbps	1	19	2440	11.58	9.10	10dBm	30.00	-0.70	8.40	36.00	Pass
BLE	2Mbps	1	38	2478	11.58	9.00	10dBm	30.00	-0.70	8.30	36.00	Pass

TEST RESULTS DATA
Peak Power Density

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm /100kHz)	Peak PSD (dBm /3kHz)	DG (dBi)	Peak PSD Limit (dBm /3kHz)	Pass/Fail
BLE	2Mbps	1	1	2404	9.10	-8.34	-0.70	8.00	Pass
BLE	2Mbps	1	19	2440	8.18	-9.17	-0.70	8.00	Pass
BLE	2Mbps	1	38	2478	9.10	-8.17	-0.70	8.00	Pass

Note: PSD (dBm/ 100kHz) is a reference level used for Conducted Band Edges and Conducted Spurious Emission 20dBc limit.

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

Mod.	Data Rate	NTx	CH.	Freq. (MHz)	99% Occupied BW (MHz)	6dB BW (MHz)	6dB BW Limit (MHz)	Pass/Fail
GFSK	1Mbps	1	2	2404	1.033	0.668	0.50	Pass
GFSK	1Mbps	1	38	2440	1.025	0.668	0.50	Pass
GFSK	1Mbps	1	76	2478	1.025	0.668	0.50	Pass

TEST RESULTS DATA
Peak Power Table

Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Peak Conducted Power (dBm)	Power Setting	Conducted Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
GFSK	1Mbps	1	2	2404	9.93	10dBm	30.00	-0.70	9.23	36.00	Pass
GFSK	1Mbps	1	38	2440	9.52	10dBm	30.00	-0.70	8.82	36.00	Pass
GFSK	1Mbps	1	76	2478	9.18	10dBm	30.00	-0.70	8.48	36.00	Pass

TEST RESULTS DATA
Average Power Table

Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	Power Setting	Conducted Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
GFSK	1Mbps	1	2	2404	9.54	9.50	10dBm	30.00	-0.70	8.80	36.00	Pass
GFSK	1Mbps	1	38	2440	9.54	9.20	10dBm	30.00	-0.70	8.50	36.00	Pass
GFSK	1Mbps	1	76	2478	9.54	9.10	10dBm	30.00	-0.70	8.40	36.00	Pass

TEST RESULTS DATA
Peak Power Density

Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Peak PSD (dBm /100kHz)	Peak PSD (dBm /3kHz)	DG (dBi)	Peak PSD Limit (dBm /3kHz)	Pass/Fail
GFSK	1Mbps	1	2	2404	8.21	-6.03	-0.70	8.00	Pass
GFSK	1Mbps	1	38	2440	8.24	-6.09	-0.70	8.00	Pass
GFSK	1Mbps	1	76	2478	8.23	-6.04	-0.70	8.00	Pass

Note: PSD (dBm/ 100kHz) is a reference level used for Conducted Band Edges and Conducted Spurious Emission 20dBc limit.

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)	6dB BW (MHz)	6dB BW Limit (MHz)	Pass/Fail
GFSK	2Mbps	1	2	2404	2.034	1.136	0.50	Pass
GFSK	2Mbps	1	38	2440	2.034	1.136	0.50	Pass
GFSK	2Mbps	1	76	2478	2.034	1.140	0.50	Pass

TEST RESULTS DATA
Peak Power Table

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak Conducted Power (dBm)	Power Setting	Conducted Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
GFSK	2Mbps	1	2	2404	9.92	10dBm	30.00	-0.70	9.22	36.00	Pass
GFSK	2Mbps	1	38	2440	9.50	10dBm	30.00	-0.70	8.80	36.00	Pass
GFSK	2Mbps	1	76	2478	9.15	10dBm	30.00	-0.70	8.45	36.00	Pass

TEST RESULTS DATA
Average Power Table

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	Power Setting	Conducted Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
GFSK	2Mbps	1	2	2404	12.21	9.40	10dBm	30.00	-0.70	8.70	36.00	Pass
GFSK	2Mbps	1	38	2440	12.21	9.10	10dBm	30.00	-0.70	8.40	36.00	Pass
GFSK	2Mbps	1	76	2478	12.21	9.00	10dBm	30.00	-0.70	8.30	36.00	Pass

TEST RESULTS DATA
Peak Power Density

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm /100kHz)	Peak PSD (dBm /3kHz)	DG (dBi)	Peak PSD Limit (dBm /3kHz)	Pass/Fail
GFSK	2Mbps	1	2	2404	8.17	-9.26	-0.70	8.00	Pass
GFSK	2Mbps	1	38	2440	8.20	-9.23	-0.70	8.00	Pass
GFSK	2Mbps	1	76	2478	8.16	-9.01	-0.70	8.00	Pass

Note: PSD (dBm/ 100kHz) is a reference level used for Conducted Band Edges and Conducted Spurious Emission 20dBc limit.



Appendix B. Radiated Spurious Emission Test Data

Test Engineer :	Wenbo Xiao	Relative Humidity :	48~49%
		Temperature :	24~25℃

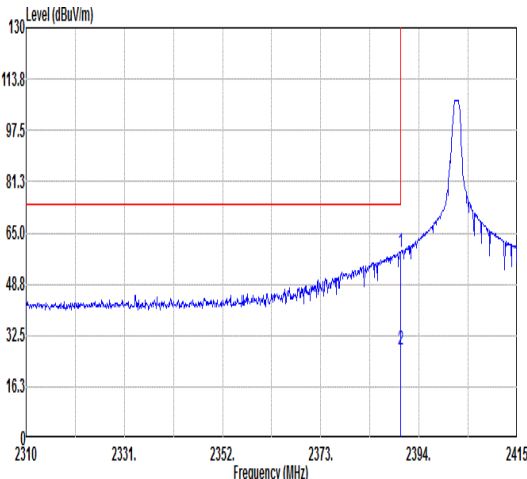
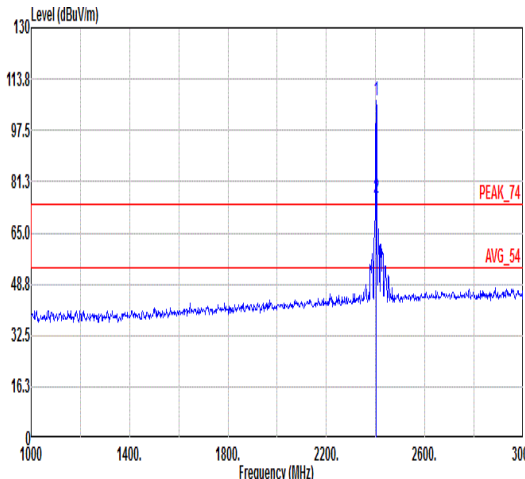
Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	2400-2483.5	1	BLE GFSK	00	2402	1Mbps	-	-
Mode 2	2400-2483.5	1	BLE GFSK	19	2440	1Mbps	-	-
Mode 3	2400-2483.5	1	BLE GFSK	39	2480	1Mbps	-	-
Mode 4	2400-2483.5	1	BLE GFSK	01	2404	2Mbps	-	-
Mode 5	2400-2483.5	1	BLE GFSK	19	2440	2Mbps	-	-
Mode 6	2400-2483.5	1	BLE GFSK	38	2478	2Mbps	-	-
Mode 7	2400-2483.5	1	BLE CS GFSK	02	2404	1Mbps	-	-
Mode 8	2400-2483.5	1	BLE CS GFSK	38	2440	1Mbps	-	-
Mode 9	2400-2483.5	1	BLE CS GFSK	76	2478	1Mbps	-	-
Mode 10	2400-2483.5	1	BLE GFSK	39	2480	1Mbps	LF	-
Mode 11	2400-2483.5	1	BLE GFSK	39	2480	1Mbps	-	-
	UWB TX	2	BPM-BPSK	CH5	-	-	-	-

Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
1	Bluetooth-LE	00	2390.00	59.06	74.00	-14.94	H	Peak	Pass	Band Edge
	Bluetooth-LE	00	7206.00	58.06	74.00	-15.94	H	Peak	Pass	Harmonic
2	Bluetooth-LE	19	-	-	-	-	-	-	-	Band Edge
	Bluetooth-LE	19	12200.00	64.50	74.00	-9.50	V	Peak	Pass	Harmonic
3	Bluetooth-LE	39	2483.56	70.50	74.00	-3.50	H	Peak	Pass	Band Edge
	Bluetooth-LE	39	12400.00	66.83	74.00	-7.17	V	Peak	Pass	Harmonic
4	Bluetooth-LE	01	2389.80	57.73	74.00	-16.27	H	Peak	Pass	Band Edge
	Bluetooth-LE	01	9616.00	59.28	74.00	-14.72	V	Peak	Pass	Harmonic
5	Bluetooth-LE	19	-	-	-	-	-	-	-	Band Edge
	Bluetooth-LE	19	12200.00	63.58	74.00	-10.42	H	Peak	Pass	Harmonic
6	Bluetooth-LE	38	2483.68	66.36	74.00	-7.64	H	Peak	Pass	Band Edge
	Bluetooth-LE	38	12390.00	66.27	74.00	-7.73	V	Peak	Pass	Harmonic
7	Bluetooth-LE	02	2390.00	57.49	74.00	-16.51	H	Peak	Pass	Band Edge
	Bluetooth-LE	02	9616.00	58.32	74.00	-15.68	V	Peak	Pass	Harmonic
8	Bluetooth-LE	38	-	-	-	-	-	-	-	Band Edge
	Bluetooth-LE	38	12200.00	64.38	74.00	-9.62	V	Peak	Pass	Harmonic
9	Bluetooth-LE	76	2483.56	67.52	74.00	-6.48	H	Peak	Pass	Band Edge
	Bluetooth-LE	76	12390.00	65.90	74.00	-8.10	H	Peak	Pass	Harmonic
10	Bluetooth-LE	39	57.16	35.19	40	-4.81	V	Peak	Pass	LF
	Bluetooth-LE	39	-	-	-	-	-	-	-	Harmonic
11	Bluetooth-LE	39	2483.56	69.63	74.00	-4.37	V	Peak	Pass	Band Edge
	Bluetooth-LE	39	12400.00	70.05	74.00	-3.95	V	Peak	Pass	Harmonic



Mode	1																																																															
	Band Edge																																																															
	2400-2483.5_Bluetooth-LE_CH00_2402MHz																																																															
ANT	1																																																															
Pol.	Horizontal																																																															
Peak																																																																
	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2390.00</td><td>59.06</td><td>74.00</td><td>-14.94</td><td>55.42</td><td>32.42</td><td>5.36</td><td>34.14</td><td>157</td><td>190</td><td>Peak</td></tr><tr><td>2</td><td>2390.00</td><td>28.06</td><td>74.00</td><td>-45.94</td><td>24.42</td><td>32.42</td><td>5.36</td><td>34.14</td><td>157</td><td>190</td><td>Average</td></tr></table>												Limit	Read	Ant	Cable	Preamp	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2390.00	59.06	74.00	-14.94	55.42	32.42	5.36	34.14	157	190	Peak	2	2390.00	28.06	74.00	-45.94	24.42	32.42	5.36	34.14	157	190	Average
		Limit	Read	Ant	Cable	Preamp	APos	TPos																																																								
	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark																																																							
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																						
1	2390.00	59.06	74.00	-14.94	55.42	32.42	5.36	34.14	157	190	Peak																																																					
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Fundamental																																																																
																																																																
	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2402.00</td><td>107.14</td><td></td><td></td><td>103.47</td><td>32.44</td><td>5.37</td><td>34.14</td><td>157</td><td>190</td><td>Peak</td></tr><tr><td>2</td><td>2402.00</td><td>76.14</td><td></td><td></td><td>72.47</td><td>32.44</td><td>5.37</td><td>34.14</td><td>157</td><td>190</td><td>Average</td></tr></table>												Limit	Read	Ant	Cable	Preamp	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2402.00	107.14			103.47	32.44	5.37	34.14	157	190	Peak	2	2402.00	76.14			72.47	32.44	5.37	34.14	157	190	Average
	Limit	Read	Ant	Cable	Preamp	APos	TPos																																																									
Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark																																																								
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																						
1	2402.00	107.14			103.47	32.44	5.37	34.14	157	190	Peak																																																					
2	2402.00	76.14			72.47	32.44	5.37	34.14	157	190	Average																																																					