FCC/ISED RADIO TEST REPORT

FCC ID	:	AZ499FT7192
IC	:	109U-99FT7192
Equipment	:	C5
Brand Name	:	Motorola
Model Name	:	C5
Model Number	:	HK2227A
HVIN	:	HK2227A
PMN	:	C5
Applicant	:	Motorola Solutions, Inc. Plot 2A, Medan Bayan Lepas, Mukim 12, S.W.D, 11900 Bayan Lepas, Penang, Malaysia
Manufacturer	:	Motorola Solutions Malaysia Sdn. Bhd. Plot 2A, Medan Bayan Lepas, Mukim 12, S.W.D, 11900 Bayan Lepas, Penang, Malaysia
Standard	:	FCC Part 15 Subpart C §15.247 ISED RSS-247 Issue 4

The product was received on Apr. 27,2026 and testing was performed from May .08. 2026 to Jun. 09, 2026. We, Sporton International Inc. EMC & Wireless Communications Laboratory, 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 from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

Table of Contents

History of this test report **3**
Summary of Test Result **4**
1 General Description **6**
1.1 Product Feature of Equipment Under Test 6
1.2 Product Specification of Equipment Under Test 6
1.3 Modification of EUT 7
1.4 Testing Location 7
1.5 Applicable Standards 8
2 Test Configuration of Equipment Under Test **9**
2.1 Carrier Frequency Channel 9
2.2 Test Mode 10
2.3 Connection Diagram of Test System 11
2.4 EUT Operation Test Setup 11
2.5 Support Unit used in test configuration and accessories 11
2.6 Measurement Results Explanation Example 12
3 Test Result **13**
3.1 Number of Channel Measurement 13
3.2 Hopping Channel Separation Measurement 14
3.3 Dwell Time Measurement 15
3.4 20dB and 99% Bandwidth Measurement 16
3.5 Output Power Measurement 17
3.6 Conducted Band Edges Measurement 18
3.7 Conducted Spurious Emission Measurement 19
3.8 Radiated Band Edges and Spurious Emission Measurement 20
3.9 Antenna Requirements 25
4 List of Measuring Equipment **26**
5 Measurement Uncertainty **28**
Appendix A. Conducted Test Results
Appendix B. Radiated Spurious Emission Test Result
Appendix C. Duty Cycle Plots

History of this test report

Report No.	Version	Description	Issue Date
FR640815A	01	Initial issue of report	Jun. 31, 2026
FR640815A	02	Revised Testing Location. This report is an updated version, replacing the report issued on Jun. 31, 2026.	Sep. 03, 2026

Summary of Test Result

Report Clause	FCC Ref Std. Clause	ISED Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.247(a)(1)	RSS-247 6.2.3.1	Number of Channels	Pass	-
3.2	15.247(a)(1)	RSS-247 6.2.3.1	Hopping Channel Separation	Pass	-
3.3	15.247(a)(1)	RSS-247 6.2.3.1	Dwell Time of Each Channel	Pass	-
3.4	15.247(a)(1)	RSS-247 6.2.3.1	20dB Bandwidth	Pass	-
3.4	2.1049	RSS-Gen 6.7	99% Occupied Bandwidth	Pass	-
3.4	-	RSS-Gen 6.7	Emission Designator	Report only	BT BR(1Mbps): 877KF1D BT EDR(2Mbps): 1M20G1D BT EDR(3Mbps): 1M20G1D
3.5	15.247(b)(1) 15.247(b)(4)	RSS-247 6.2.3.2	Peak Output Power	Pass	BT BR(1Mbps): 10.2dBm(0.011W) BT EDR(2Mbps): 6.9dBm(0.005W) BT EDR(3Mbps): 7.2dBm(0.005W)
3.6	15.247(d)	RSS-247 6.6	Conducted Band Edges	Pass	-
3.7	15.247(d)	RSS-247 6.6	Conducted Spurious Emission	Pass	-
3.8	15.247(d)	RSS-247 6.6	Radiated Band Edges and Radiated Spurious Emission	Pass	9.01 dB under the limit at 30.97 MHz
-	-	-	AC Conducted Emission	Not Required	-
3.9	15.203	-	Antenna Requirement	Pass	-

Note:

1. Not required means after assessing, test items are not necessary to carry out.
2. Device does not support simultaneous charging and BT operation.

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/manufacturer 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.

Reviewed by: Keven Cheng

Report Producer: Julia Chang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	C5
Brand Name	Motorola
Model Name	C5
FCC Model Number	HK2227A
IC Model Number	HK2227A
HVIN	HK2227A
PMN	C5
FVIN	F.02.02.01.20260415.02
FCC ID	AZ499FT7192
IC	109U-99FT7192
EUT supports Radios application	WLAN 11a/b/g/n HT20 WLAN 11ac VHT20 WLAN 11ax HE20 Bluetooth BR/EDR/LE
HW Version	P2
SW Version	F.02.02.01.20260415.02
EUT Stage	Identical Prototype

Remark: The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

EUT Information List	
S/N	**Performed Test Item**
64222CG2342 64222CG2035 64222CG1609	Radiated Emission
64222CG1111	RF Conducted Measurement

1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx/Rx Frequency Range	2400 MHz ~ 2483.5 MHz
Number of Channels	79
Antenna Type / Gain	**<Ant. 1>:** PIFA with gain 0.87 dBi
Type of Modulation	Bluetooth BR (1Mbps): GFSK Bluetooth EDR (2Mbps): π/4-DQPSK Bluetooth EDR (3Mbps): 8-DPSK

1.3 Modification of EUT

No modifications made to the EUT during the testing.

1.4 Testing Location

The test location is accredited based on TAF code 1190 and 3786 designated by NCC (National Communication Commission).

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)

FCC designation No TW1190 and TW3786

ISED CABID: TW1190 and TW3786

ISED Company Number: 4086B and 4086H

Note:

1. The test site complies with ANSI C63.4 2014 requirement.
2. The Conducted test item subcontracted to Sporton International Inc. Wensan Laboratory.

1.5 Applicable Standards

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

- FCC KDB Publication No. 558074 D01 15.247 Meas Guidance v05r02
- FCC KDB 414788 D01 Radiated Test Site v01r01
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

<For FCC>

- FCC Part 15 Subpart C §15.247
- ANSI C63.10-2020 + Cor.1-2023

<For ISED>

- ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024
- ISED RSS-247 Issue 4
- ISED RSS-Gen Issue 5

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

2.1 Carrier Frequency Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
2400-2483.5 MHz	0	2402	27	2429	54	2456
	1	2403	28	2430	55	2457
	2	2404	29	2431	56	2458
	3	2405	30	2432	57	2459
	4	2406	31	2433	58	2460
	5	2407	32	2434	59	2461
	6	2408	33	2435	60	2462
	7	2409	34	2436	61	2463
	8	2410	35	2437	62	2464
	9	2411	36	2438	63	2465
	10	2412	37	2439	64	2466
	11	2413	38	2440	65	2467
	12	2414	39	2441	66	2468
	13	2415	40	2442	67	2469
	14	2416	41	2443	68	2470
	15	2417	42	2444	69	2471
	16	2418	43	2445	70	2472
	17	2419	44	2446	71	2473
	18	2420	45	2447	72	2474
	19	2421	46	2448	73	2475
	20	2422	47	2449	74	2476
	21	2423	48	2450	75	2477
	22	2424	49	2451	76	2478
	23	2425	50	2452	77	2479
	24	2426	51	2453	78	2480
	25	2427	52	2454	-	-
	26	2428	53	2455	-	-

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, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape) and accessory (Adapter /Earphone/Badge clip), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.

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

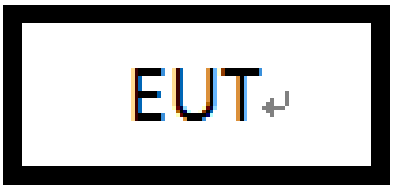
Summary table of Test Cases			
Test Item	**Data Rate / Modulation**		
Conducted Test Cases	**Bluetooth BR 1Mbps GFSK**	**Bluetooth EDR 2Mbps π/4-DQPSK**	**Bluetooth EDR 3Mbps 8-DPSK**
	Mode 1: CH00_2402 MHz	Mode 4: CH00_2402 MHz	Mode 7: CH00_2402 MHz
	Mode 2: CH39_2441 MHz	Mode 5: CH39_2441 MHz	Mode 8: CH39_2441 MHz
	Mode 3: CH78_2480 MHz	Mode 6: CH78_2480 MHz	Mode 9: CH78_2480 MHz
Radiated Test Cases	**Bluetooth EDR 3Mbps 8-DPSK**		
	Mode 1: CH00_2402 MHz		
	Mode 2: CH39_2441 MHz		
	Mode 3: CH78_2480 MHz		

Remark:

1. For Radiated Test Cases, the worst mode data rate 1Mbps was reported only since the highest RF output power in the preliminary tests. The conducted spurious emissions and conducted band edge measurement for other data rates were not worse than 1Mbps , and no other significantly frequencies found in conducted spurious emission.

2.3 Connection Diagram of Test System

< Radiated Spurious Emission >



2.4 EUT Operation Test Setup

The RF test items, utility “Tera Term V4.95” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.5 Support Unit used in test configuration and accessories

Item	Equipment	Brand Name	P/N Name	FCC ID	Data Cable	Power Cord
1.	MUC-A	N/A	CR10	N/A	N/A	N/A
2.	PSU-A	ADAPTER TECH.	ATS050-P050	N/A	N/A	N/A
3.	MUC-A Power cord	Digikey	412012-01	N/A	N/A	N/A
4.	MUC-B	Motorola	PMPN4705A	N/A	N/A	N/A
5.	MUC-B PSU	Motorola	PS000674A01	N/A	N/A	N/A
6.	MUC-B Power cord	Motorola	3004209T04	N/A	N/A	N/A
7.	Embedded Battery	Motorola	PMNN4912A	N/A	N/A	N/A
8.	Wired earpiece	Motorola	PMLN8928A	N/A	N/A	N/A
9.	Badge Clip	Motorola	PMLN8929A	N/A	N/A	N/A

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 4.2 dB and 10 dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).
= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 Number of Channel Measurement

3.1.1 Limits of Number of Hopping Frequency

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels.

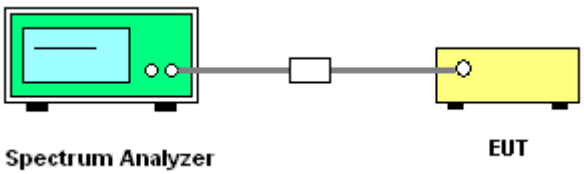
3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.1.3 Test Procedure

1. The testing follows ANSI C63.10 clause 7.8.3.
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Enable the EUT hopping function.
5. Use the following spectrum analyzer settings: Span = the frequency band of operation; RBW = 300 kHz;; Sweep = No faster than coupled (auto) time; Detector function = peak; Trace = max hold.
6. The number of hopping frequency used is defined as the number of total channel.
7. Record the measurement data derived from spectrum analyzer.

3.1.4 Test Setup



3.1.5 Test Result of Number of Hopping Frequency

Please refer to Appendix A.

3.2 Hopping Channel Separation Measurement

3.2.1 Limit of Hopping Channel Separation

Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

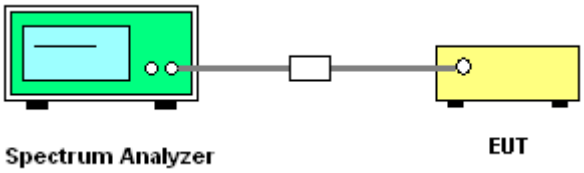
3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.2.3 Test Procedures

1. The testing follows ANSI C63.10 clause 7.8.2.
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Enable the EUT hopping function.
5. Use the following spectrum analyzer settings:
   Span = wide enough to capture the peaks of two adjacent channels;
   RBW = 300 kHz;; Sweep = No faster than coupled (auto) time; Detector function = peak; Trace = max hold.
6. Measure and record the results in the test report.

3.2.4 Test Setup



3.2.5 Test Result of Hopping Channel Separation

Please refer to Appendix A.

3.3 Dwell Time Measurement

3.3.1 Limit of Dwell Time

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

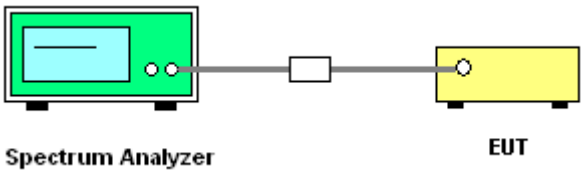
3.3.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.3.3 Test Procedures

1. The testing follows ANSI C63.10 clause 7.8.4.
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Enable the EUT hopping function.
5. Use the following spectrum analyzer settings: Span = zero span, centered on a hopping channel; RBW = 1 MHz; VBW ≥ RBW; Sweep = as necessary to capture the entire dwell time per hopping channel; Detector function = peak; Trace = max hold.
6. Measure and record the results in the test report.

3.3.4 Test Setup



3.3.5 Test Result of Dwell Time

Please refer to Appendix A.

3.4 20dB and 99% Bandwidth Measurement

3.4.1 Limit of 20dB and 99% Bandwidth

Reporting only

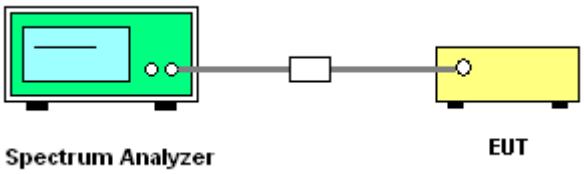
3.4.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.4.3 Test Procedures

1. The testing follows ANSI C63.10 clause 6.9.2 and 6.9.3.
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Use the following spectrum analyzer settings for 20 dB Bandwidth measurement.
   Span = approximately 2 to 5 times the 20 dB bandwidth, centered on a hopping channel;
   RBW ≥ 1% of the 20 dB bandwidth, VBW ≥ 3 * RBW; Sweep = auto; Detector function = peak;
   Trace = max hold.
5. Use the following spectrum analyzer settings for 99 % Bandwidth measurement.
   Span = approximately 1.5 to 5 times the 99% bandwidth, centered on a hopping channel;
   RBW ≥ 1-5% of the 99% bandwidth, VBW ≥ 3 * RBW; Sweep = auto; Detector function = peak;
   Trace = max hold.
6. Measure and record the results in the test report.

3.4.4 Test Setup



3.4.5 Test Result of 20dB Bandwidth

Please refer to Appendix A.

3.4.6 Test Result of 99% Occupied Bandwidth

Please refer to Appendix A.

3.5 Output Power Measurement

3.5.1 Limit of Output Power

The maximum peak conducted output power of the intentional radiator shall not exceed the following: For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band 0.125 watts.

If directional gain of transmitting antennas is greater than 6 dBi, the power shall be reduced by the same level in dB comparing to gain minus 6 dBi.

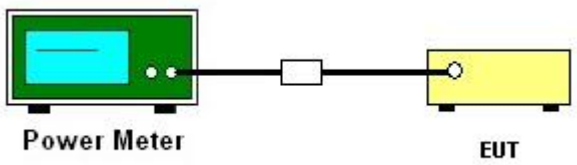
3.5.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.5.3 Test Procedures

1. The testing follows ANSI C63.10 clause 7.8.5.
2. The RF output of EUT is connected to the power meter by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Measure the conducted output power with cable loss and record the results in the test report.
5. Measure and record the results in the test report.

3.5.4 Test Setup



3.5.5 Test Result of Average Output Power

Please refer to Appendix A.

3.6 Conducted Band Edges Measurement

3.6.1 Limit of Band Edges

In any 100 kHz bandwidth outside the intentional radiation frequency band, the radio frequency power shall be at least 20 dB below the highest level of the radiated power. In addition, radiated emissions which fall in the restricted bands must also comply with the radiated emission limits.

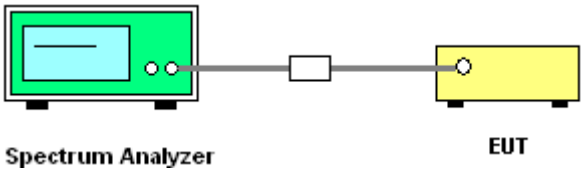
3.6.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.6.3 Test Procedures

1. The testing follows ANSI C63.10 clause 6.10.
2. Set the maximum power setting and enable the EUT to transmit continuously.
3. Set RBW = 100 kHz, VBW = 300 kHz. Band edge emissions must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100 kHz RBW. The attenuation shall be 30 dB instead of 20 dB when RMS conducted output power procedure is used.
4. Enable hopping function of the EUT and then repeat step 2 and 3.
5. Measure and record the results in the test report.

3.6.4 Test Setup



3.6.5 Test Result of Conducted Band Edges

Please refer to Appendix A.

3.6.6 Test Result of Conducted Hopping Mode Band Edges

Please refer to Appendix A.

3.7 Conducted Spurious Emission Measurement

3.7.1 Limit of Spurious Emission Measurement

In any 100 kHz bandwidth outside the intentional radiation frequency band, the radio frequency power shall be at least 20 dB below the highest level of the radiated power. In addition, radiated emissions which fall in the restricted bands must also comply with the radiated emission limits.

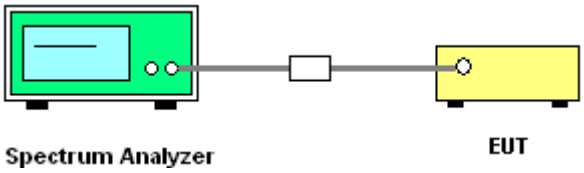
3.7.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.7.3 Test Procedure

1. The testing follows ANSI C63.10 clause 7.8.7.
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Set RBW = 100 kHz, VBW = 300 kHz, scan up through 10th harmonic. All harmonics / spurious must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100 kHz RBW.
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.

3.7.4 Test Setup



3.7.5 Test Result of Conducted Spurious Emission

Please refer to Appendix A.

3.8 Radiated Band Edges and Spurious Emission Measurement

3.8.1 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. 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

3.8.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

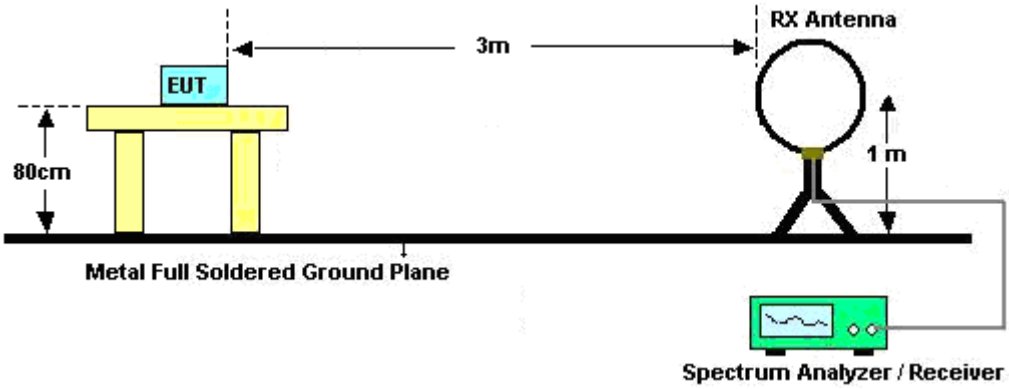
3.8.3 Test Procedures

1. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
2. The EUT is set 3 meters away from the receiving antenna, which is mounted on the top of a variable height antenna tower.
3. For each suspected emission, the EUT is 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 to comply with the guidelines.
4. Set the maximum power setting and enable the EUT to transmit continuously.
5. 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 = 1 MHz for f>1 GHz ; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold for peak
   (3) For average measurement: use duty cycle correction factor method per 15.35(c).
   Duty cycle = On time/100 milliseconds
   On time = $N_1*L_1+N_2*L_2+...+N_{n-1}*LN_{n-1}+N_n*L_n$
   Where N_1 is number of type 1 pulses, L_1 is length of type 1 pulses, etc.
   Average Emission Level = Peak Emission Level + 20*log (Duty cycle)
6. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
7. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-".
8. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as "-".

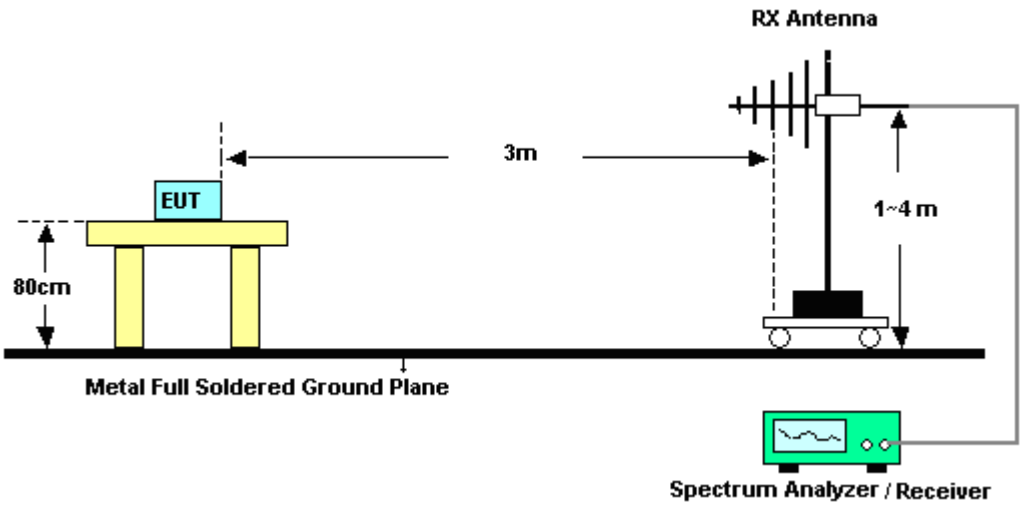
Note: The average levels are calculated from the peak level corrected with duty cycle correction factor (-24.79dB) derived from 20log (dwell time/100ms). This correction is only for signals that hop with the fundamental signal, such as band-edge and harmonic. Other spurious signals that are independent of the hopping signal would not use this correction.

3.8.4 Test Setup

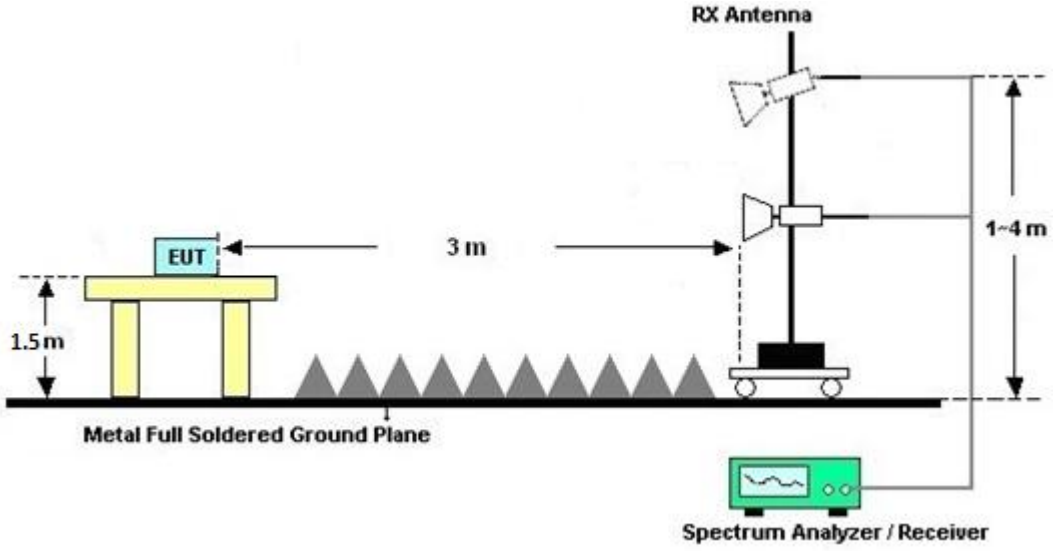
For radiated test below 30MHz



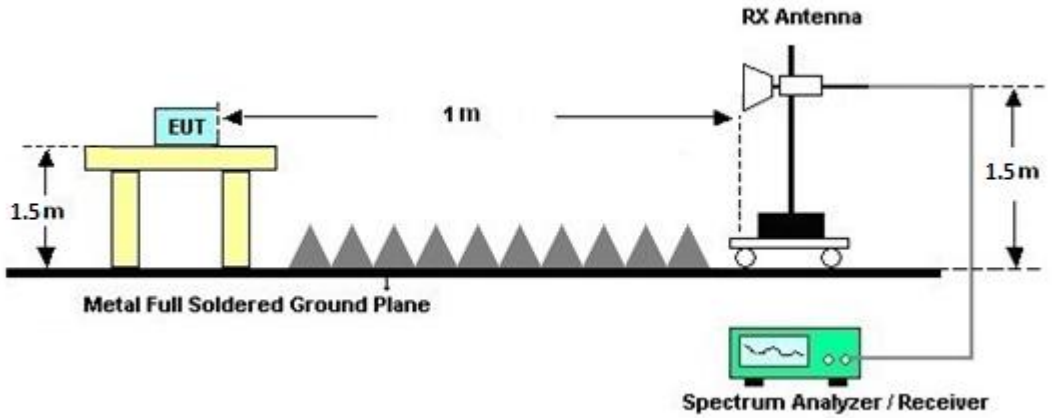
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result comes out very similar.

3.8.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B.

3.8.7 Duty Cycle

Please refer to Appendix C.

3.8.8 Test Result of Radiated Spurious Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix B.

3.9 Antenna Requirements

3.9.1 Standard Applicable

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. 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 provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

3.9.2 Antenna Anti-Replacement Construction

Antenna permanently attached.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	35419 & 03	30MHz~1GHz	Mar. 21,2026	May. 15, 2026 ~ Jun. 09, 2026	Mar. 20,2027	Radiation (03CH07-HY)
Double Ridged Guide Horn Antenna	ETS-Lindgren	3117	00075962	1GHz ~ 18GHz	Dec. 09,2025	May. 15, 2026 ~ Jun. 09, 2026	Dec. 08,2026	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Mar. 16,2026	May. 15, 2026 ~ Jun. 09, 2026	Mar. 15,2027	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz~18GHz	Apr. 17,2026	May. 15, 2026 ~ Jun. 09, 2026	Apr. 16,2027	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	Sep. 30,2025	May. 15, 2026 ~ Jun. 09, 2026	Sep. 29,2026	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Mar. 21,2026	May. 15, 2026 ~ Jun. 09, 2026	Mar. 20,2027	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Aug. 08,2025	May. 15, 2026 ~ Jun. 09, 2026	Aug. 07,2026	Radiation (03CH07-HY)
Signal Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Apr. 09,2026	May. 15, 2026 ~ Jun. 09, 2026	Apr. 08,2027	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4 MY24971/4 MY15682/4	30MHz to 18GHz	Feb. 19,2026	May. 15, 2026 ~ Jun. 09, 2026	Feb. 18,2027	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4 MY24971/4	9kHz to 30MHz	Feb. 19,2026	May. 15, 2026 ~ Jun. 09, 2026	Feb. 18,2027	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126	532078/126E	30MHz~18GHz	Sep. 13,2025	May. 15, 2026 ~ Jun. 09, 2026	Sep. 12,2026	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2	18GHz~40GHz	Feb. 19,2026	May. 15, 2026 ~ Jun. 09, 2026	Feb. 18,2027	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	Apr. 22,2026	May. 15, 2026 ~ Jun. 09, 2026	Apr. 21,2027	Radiation (03CH07-HY)
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	May. 15, 2026 ~ Jun. 09, 2026	N/A	Radiation (03CH07-HY)
Controller	MF	MF-7802	N/A	Control Turn table	N/A	May. 15, 2026 ~ Jun. 09, 2026	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	May. 15, 2026 ~ Jun. 09, 2026	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	May. 15, 2026 ~ Jun. 09, 2026	N/A	Radiation (03CH07-HY)
Software	Audix	E3	RK-002396	N/A	N/A	May. 15, 2026 ~ Jun. 09, 2026	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB2495	N/A	Mar. 02,2026	May. 15, 2026 ~ Jun. 09, 2026	Mar. 01,2027	Radiation (03CH07-HY)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Dec. 09,2025	May. 15, 2026 ~ Jun. 09, 2026	Dec. 08,2026	Radiation (03CH07-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 04, 2025	May .08. 2026~ May. 15. 2026	Nov. 03, 2026	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO37 (NO:167)	10MHz~6GHz	Nov. 14, 2025	May .08. 2026~ May. 15. 2026	Nov. 13, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101466	10HZ~44GHZ	Nov. 12, 2025	May .08. 2026~ May. 15. 2026	Nov. 11, 2026	Conducted (TH05-HY)
Switch Control Mainframe	E-Instument	ETF-1405-0	EC1900067 (BOX7)	N/A	Jul. 02, 2025	May .08. 2026~ May. 15. 2026	Jul. 01, 2026	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_version_240513	N/A	Conducted Other Test Item	N/A	May .08. 2026~ May. 15. 2026	N/A	Conducted (TH05-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.30 dB

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.70 dB

Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.50 dB

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.90 dB

Uncertainty of 20dB Bandwidth Measurement

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	0.00040 MHz

Uncertainty of 99% Occupied Bandwidth Measurement

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	0.0080 MHz

Uncertainty of Maximum Conducted Output Power Measurement

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	Avg 0.84 dB / Peak 0.82 dB

Uncertainty of Conducted Band Edges and Spurious Emission Measurement

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	1.08 dB

Report Number : FR640815A

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Hank Hsu	Temperature:	21~25	°C
Test Date:	2026/5/8~5/15	Relative Humidity:	51~54	%

TEST RESULTS DATA
20dB and 99% Occupied Bandwidth and Hopping Channel Separation

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	20db BW (MHz)	99% Bandwidth (MHz)	Hopping Channel Separation Measurement (MHz)	Hopping Channel Separation Measurement Limit (MHz)	Pass/Fail
DH	1Mbps	1	0	2402	0.933	0.877	0.999	0.6222	Pass
DH	1Mbps	1	39	2441	0.931	0.875	0.990	0.6208	Pass
DH	1Mbps	1	78	2480	0.934	0.877	1.016	0.6226	Pass
2DH	2Mbps	1	0	2402	1.339	1.195	1.003	0.8926	Pass
2DH	2Mbps	1	39	2441	1.339	1.195	0.990	0.8926	Pass
2DH	2Mbps	1	78	2480	1.339	1.196	1.003	0.8924	Pass
3DH	3Mbps	1	0	2402	1.301	1.198	0.994	0.8676	Pass
3DH	3Mbps	1	39	2441	1.302	1.197	0.986	0.8682	Pass
3DH	3Mbps	1	78	2480	1.303	1.200	1.007	0.8684	Pass

TEST RESULTS DATA
Dwell Time

Mod.	Hopping Channel Number Rate	Hops Over Occupancy Time (hops)	Package Transfer Time (msec)	Dwell Time (sec)	Limits (sec)	Pass/Fail
DH5	79	106.670	2.89	0.31	0.4	Pass
DH5 (AFH)	20	53.330	2.89	0.15	0.4	Pass

TEST RESULTS DATA
Peak Power Table

DH	CH.	NTX	Peak Power (dBm)	Power Limit (dBm)	Test Result	Setting
DH5	0	1	**10.20**	20.97	Pass	9.0
	39	1	9.40	20.97	Pass	
	78	1	9.30	20.97	Pass	
2DH5	0	1	**6.90**	20.97	Pass	9.0
	39	1	6.30	20.97	Pass	
	78	1	6.10	20.97	Pass	
3DH5	0	1	**7.20**	20.97	Pass	9.0
	39	1	6.40	20.97	Pass	
	78	1	6.50	20.97	Pass	

TEST RESULTS DATA
Average Power Table
(Reporting Only)

DH	CH.	NTX	Average Power (dBm)	Duty Factor (dB)	Setting
DH5	0	1	**10.10**	1.14	9.00
	39	1	9.40	1.14	
	78	1	9.40	1.14	
2DH5	0	1	**5.40**	1.14	9.00
	39	1	4.90	1.14	
	78	1	5.00	1.14	
3DH5	0	1	**5.50**	1.14	9.00
	39	1	4.80	1.14	
	78	1	5.10	1.14	

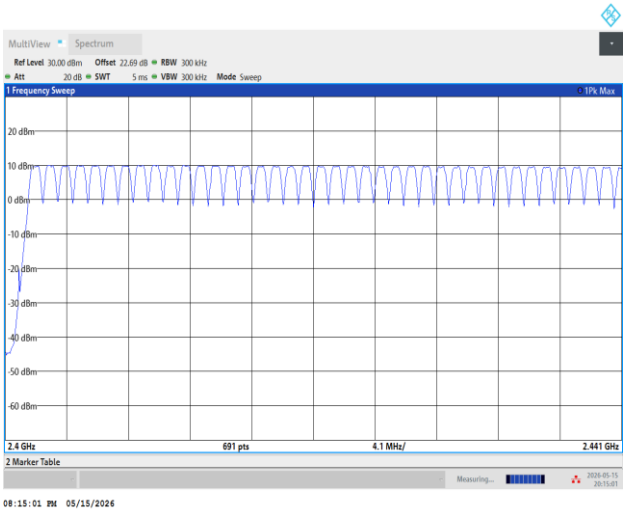
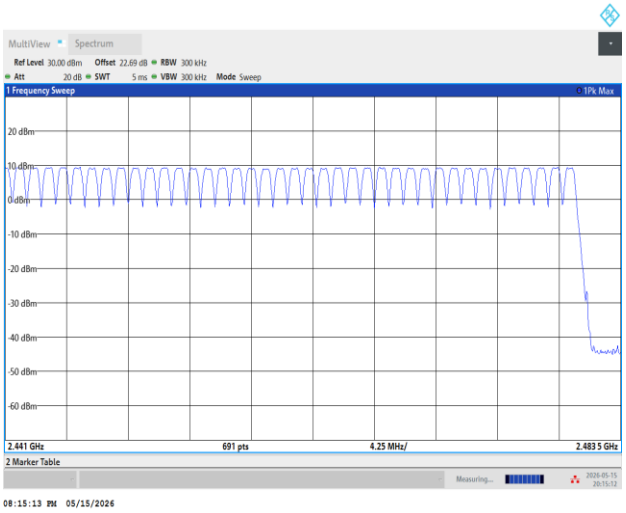
TEST RESULTS DATA
Number of Hopping Frequency

Number of Hopping (Channel)	Adaptive Frequency Hopping (Channel)	Limits (Channel)	Pass/Fail
79	20	> 15	Pass

Number of TX = 1, Ant. 1 (Measured)

Number of Hopping Frequency

<1Mbps>

Number of Hopping Channel Plot	
Channel 00 - 39	**Channel 39 - 78**
	

Hopping Channel Separation

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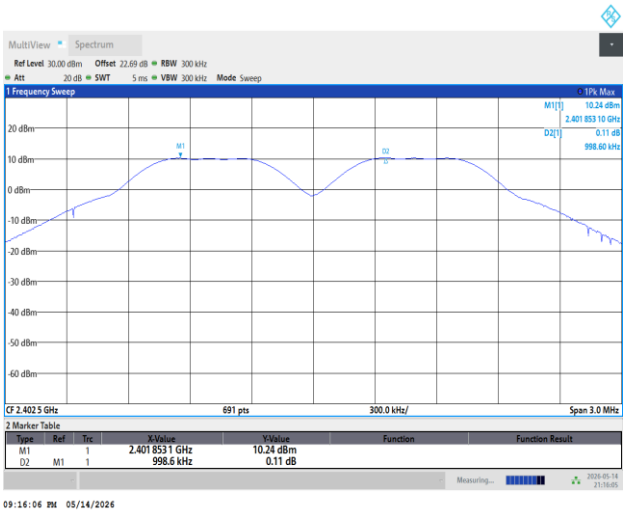
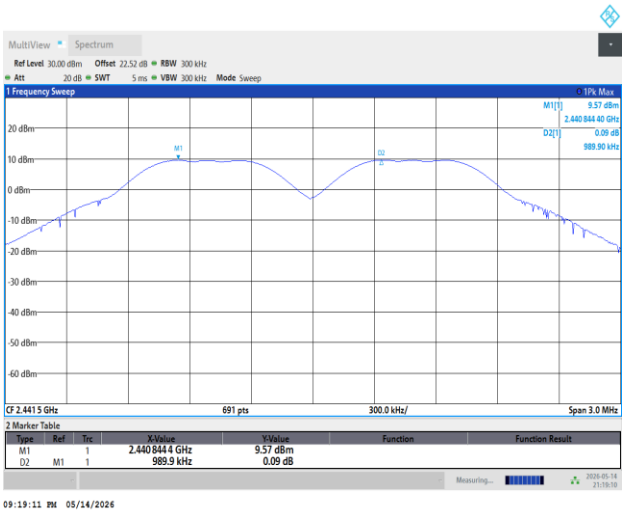
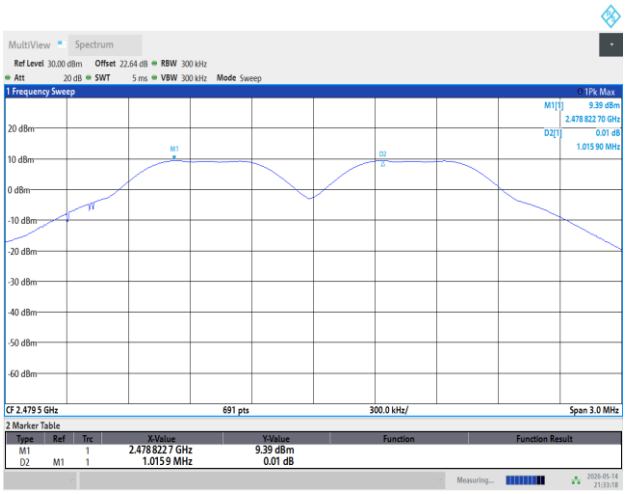
Channel Separation Plot on Channel 00 - 01	Channel Separation Plot on Channel 39 - 40
	
Channel Separation Plot on Channel 77 - 78	
	

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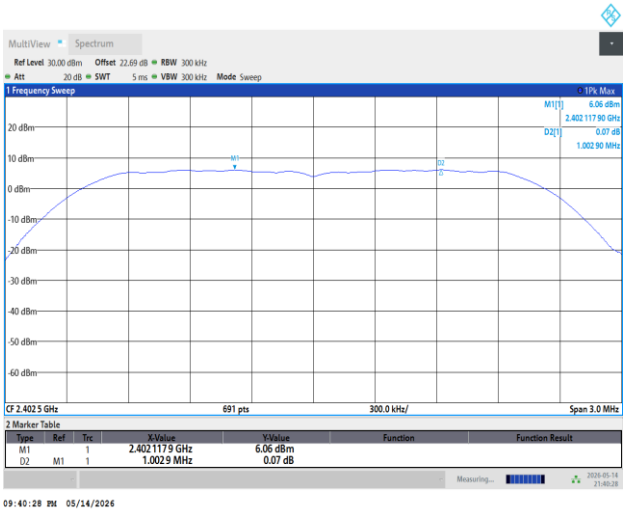
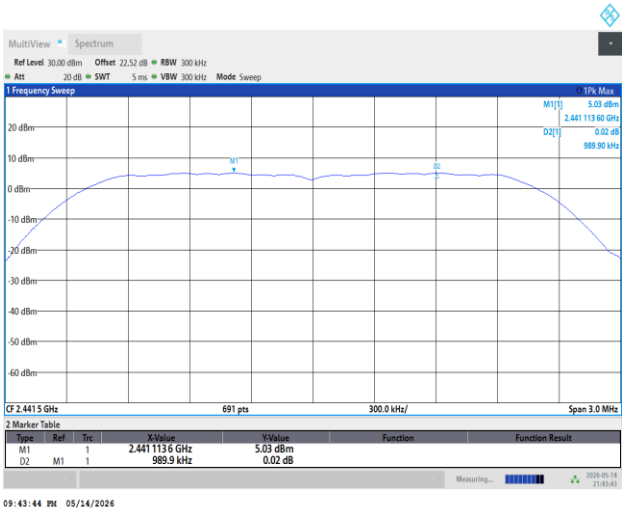
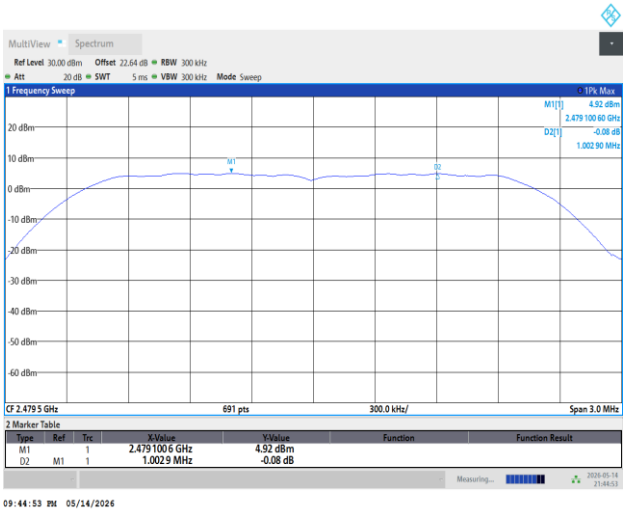
Channel Separation Plot on Channel 00 - 01	Channel Separation Plot on Channel 39 - 40
	
Channel Separation Plot on Channel 77 - 78	
	

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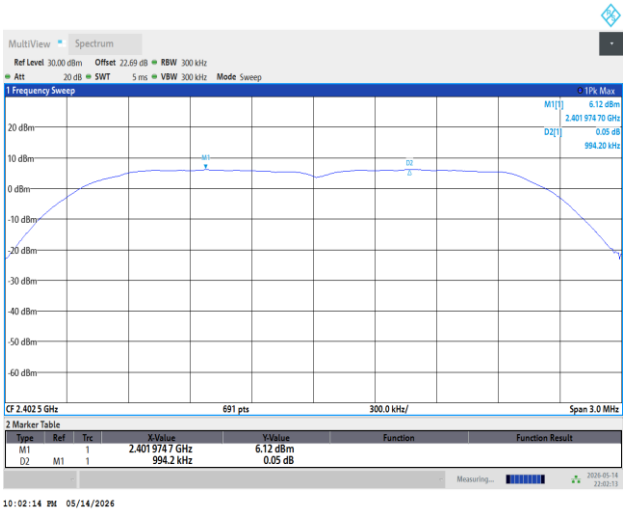
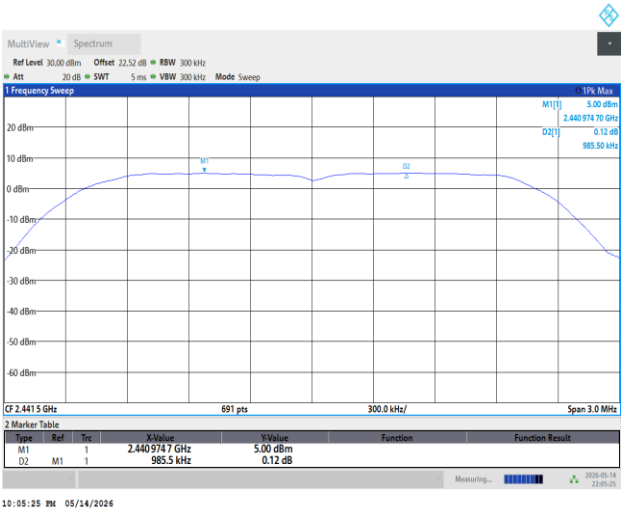
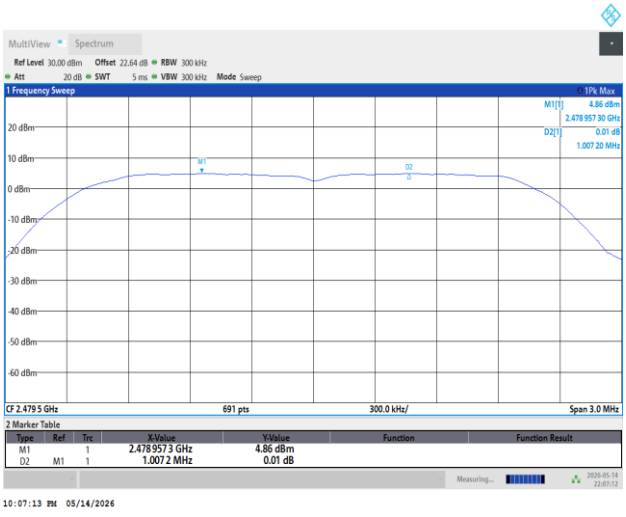
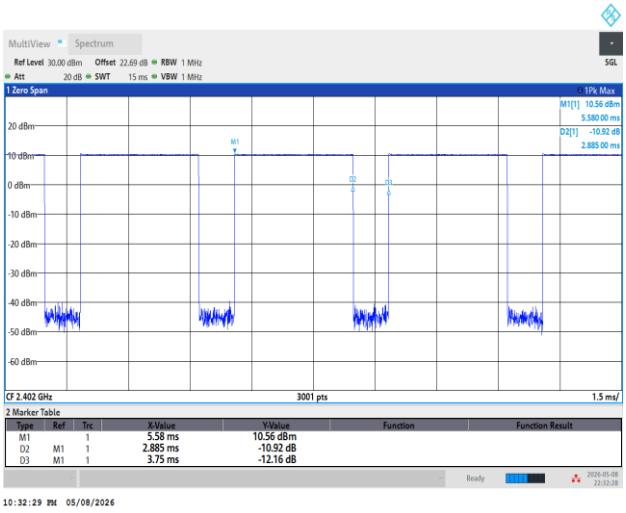
Channel Separation Plot on Channel 00 - 01	Channel Separation Plot on Channel 39 - 40
	
Channel Separation Plot on Channel 77 - 78	
	

Dwell Time

Package Transfer Time Plot



Remark:

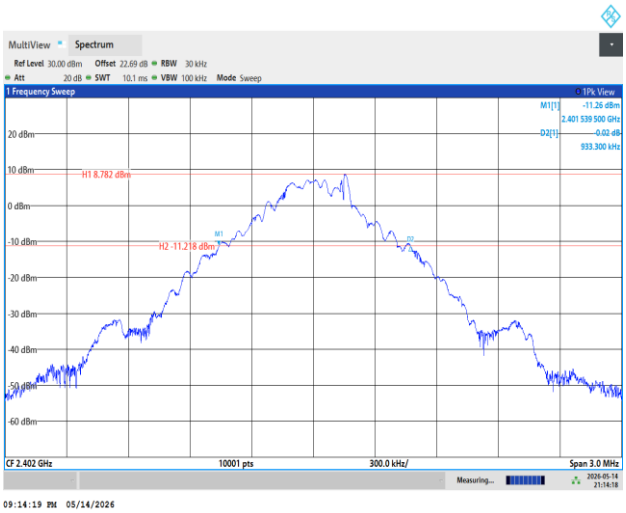
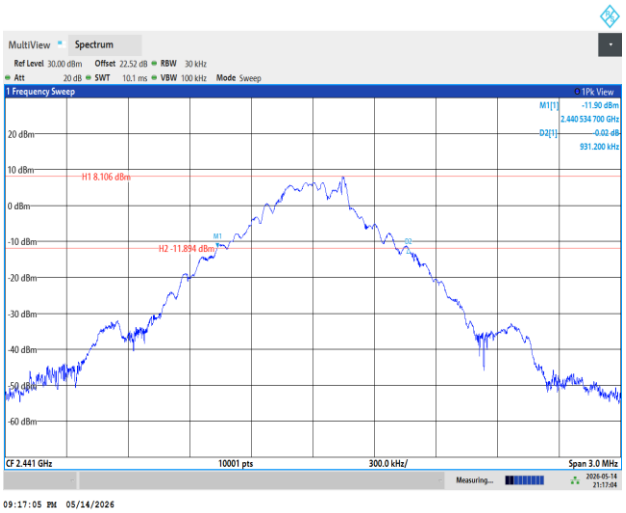
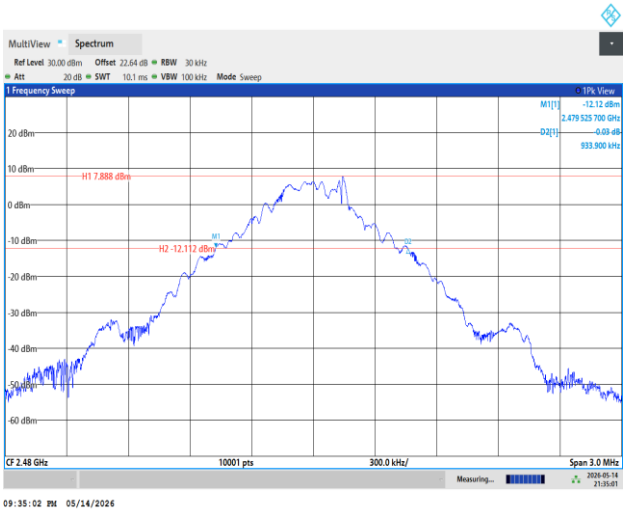
1 In normal mode, hopping rate is 1600 hops/s with 6 slots in 79 hopping channels. With channel hopping rate (1600 / 6 / 79) in Occupancy Time Limit (0.4 x 79) (s),Hops Over Occupancy Time comes to (1600 / 6 / 79) x (0.4 x 79) = 106.67 hops.

2 In AFH mode, hopping rate is 800 hops/s with 6 slots in 20 hopping channels. With channel hopping rate (800 / 6 / 20) in Occupancy Time Limit (0.4 x 20) (s), Hops Over Occupancy Time comes to (800 / 6 / 20) x (0.4 x 20) = 53.33 hops.

3 Dwell Time(s) = Hops Over Occupancy Time (hops) x Package Transfer Time

20dB Bandwidth

<1Mbps>

20 dB Bandwidth Plot in Channel 00	20 dB Bandwidth Plot in Channel 39
	
20 dB Bandwidth Plot in Channel 78	
	

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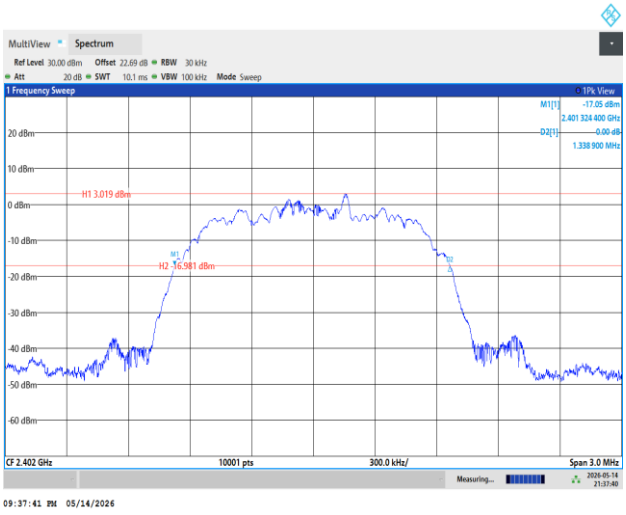
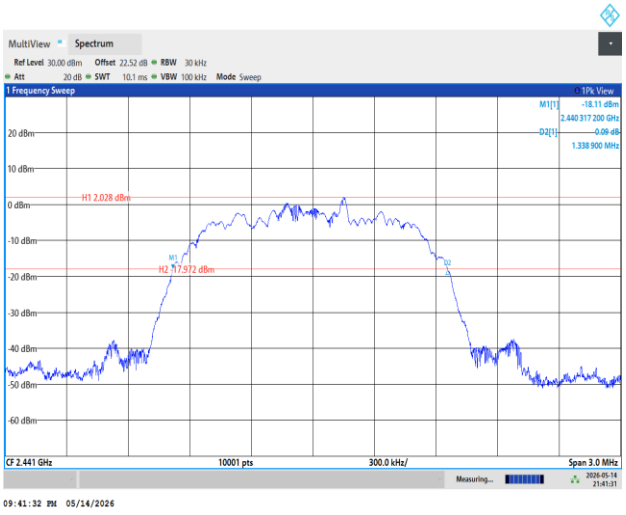
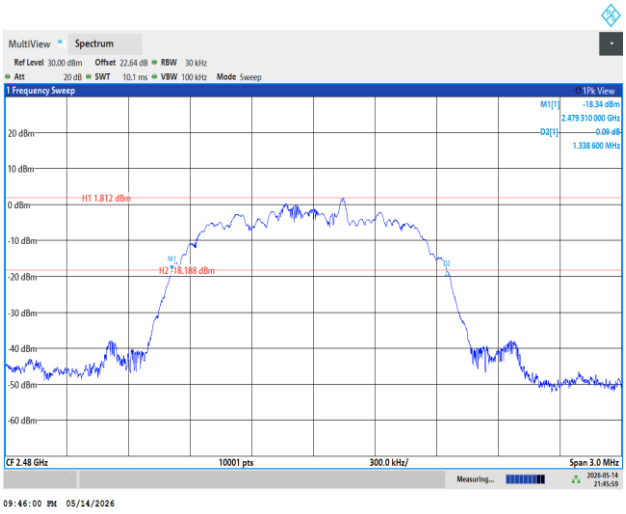
20 dB Bandwidth Plot in Channel 00	20 dB Bandwidth Plot in Channel 39
	
20 dB Bandwidth Plot in Channel 78	
	

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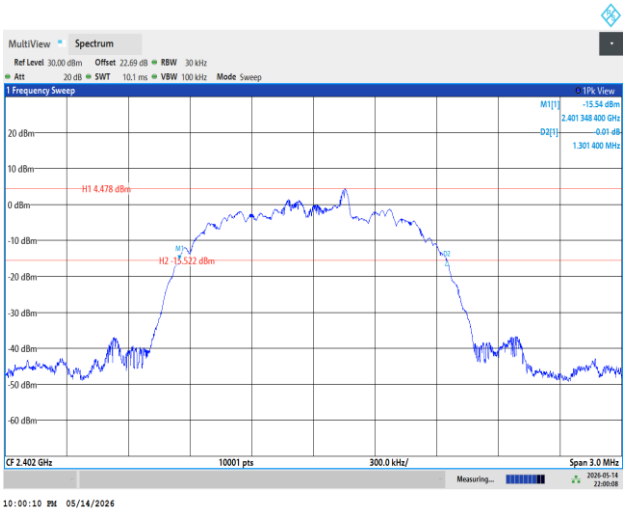
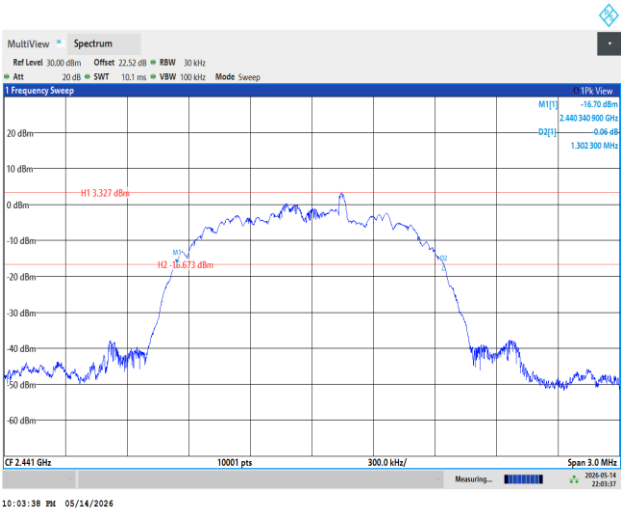
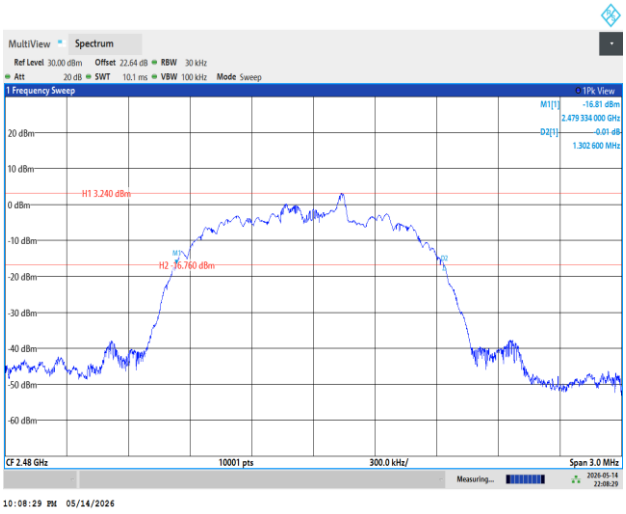
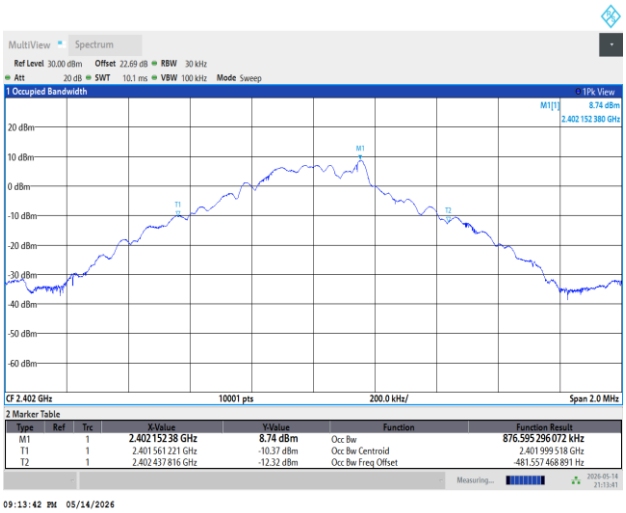
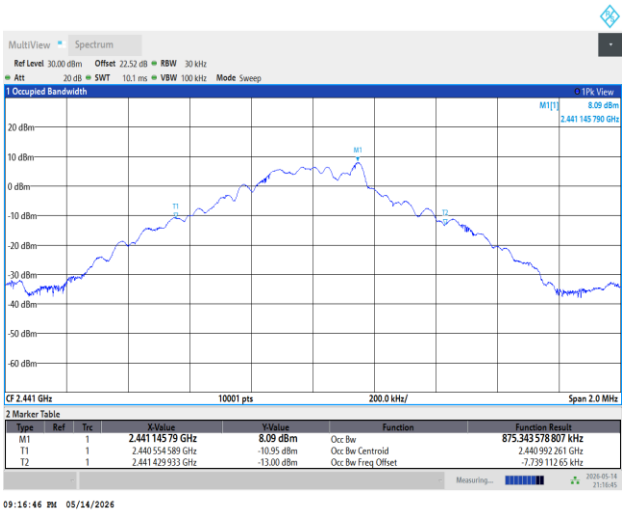
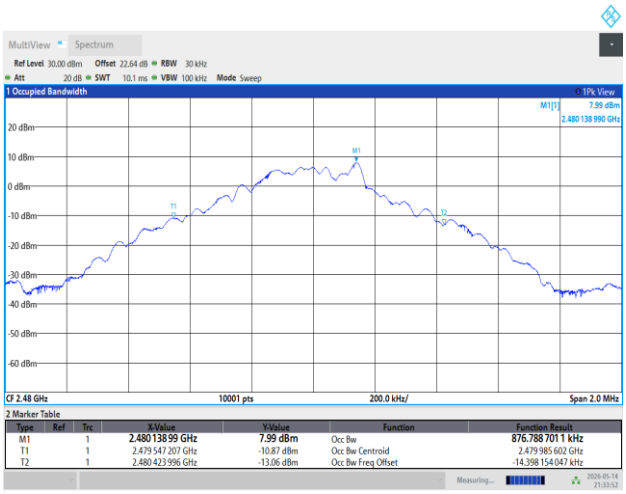
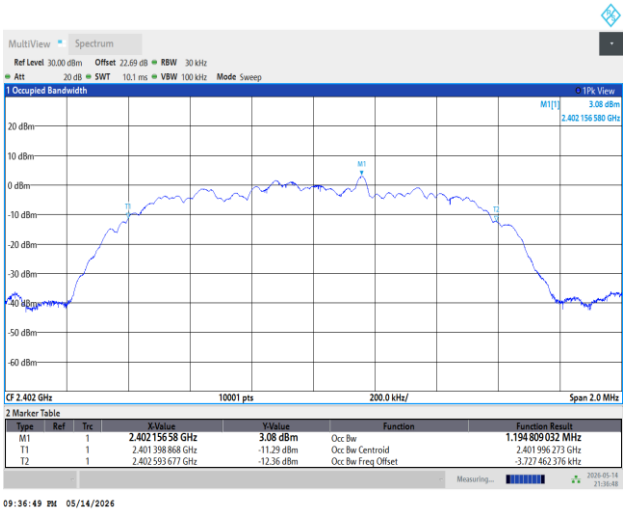
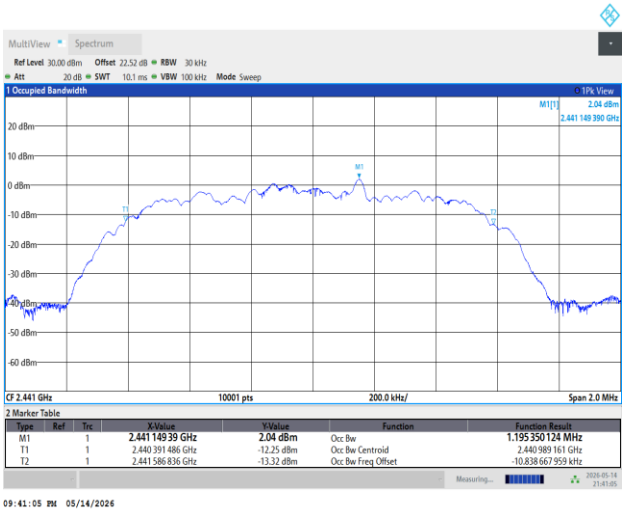
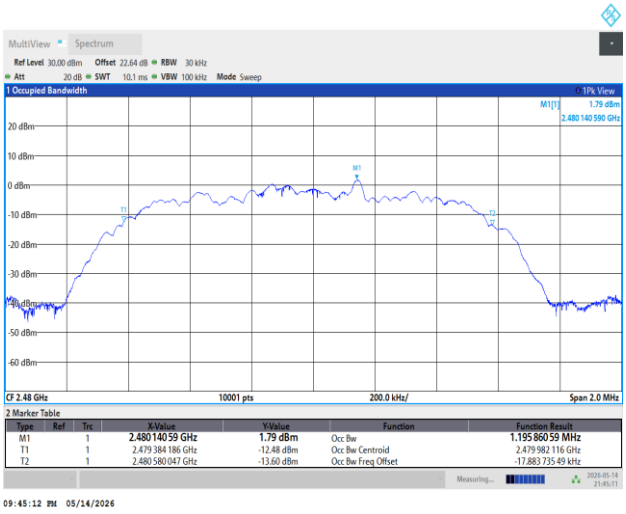
20 dB Bandwidth Plot in Channel 00	20 dB Bandwidth Plot in Channel 39
	
20 dB Bandwidth Plot in Channel 78	
	

99% Occupied Bandwidth

<1Mbps>

99% Occupied Bandwidth on Channel 00	99% Occupied Bandwidth on Channel 39
	
99% Occupied Bandwidth on Channel 78	
	

<2Mbps>

99% Occupied Bandwidth on Channel 00	99% Occupied Bandwidth on Channel 39
	
99% Occupied Bandwidth on Channel 78	
	

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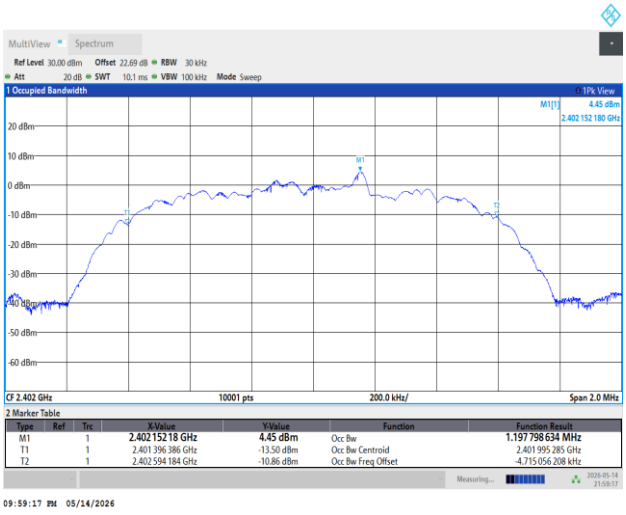
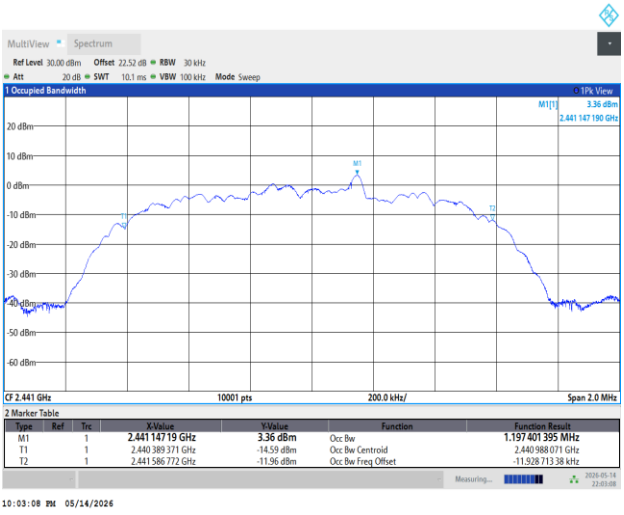
99% Occupied Bandwidth on Channel 00	99% Occupied Bandwidth on Channel 39
	
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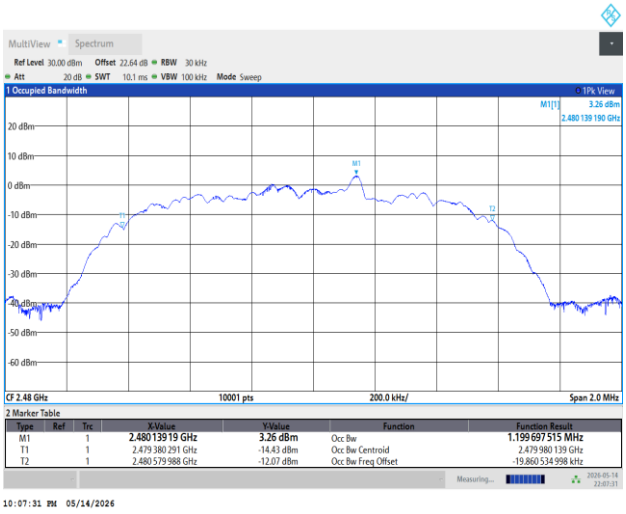
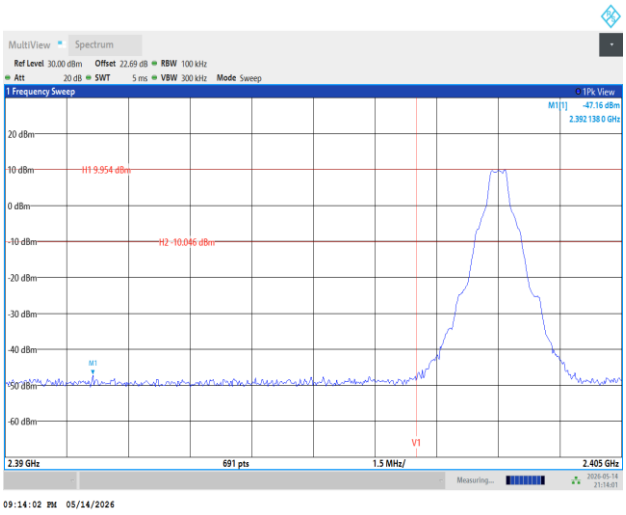
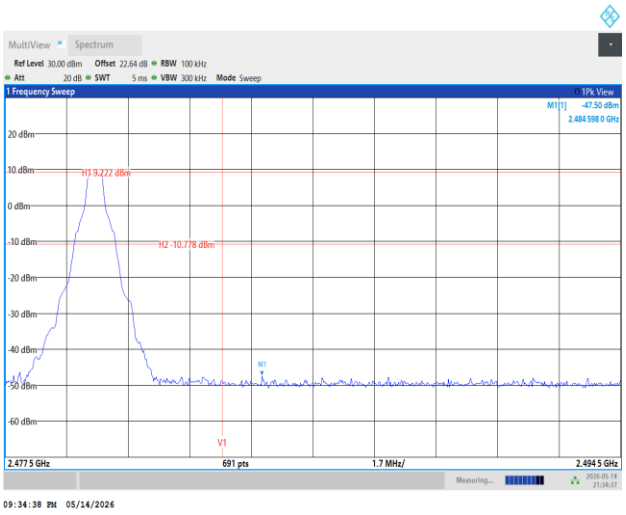
	

Band Edges

<1Mbps>

Band Edge Plot on Channel 00	Band Edge Plot on Channel 78
	

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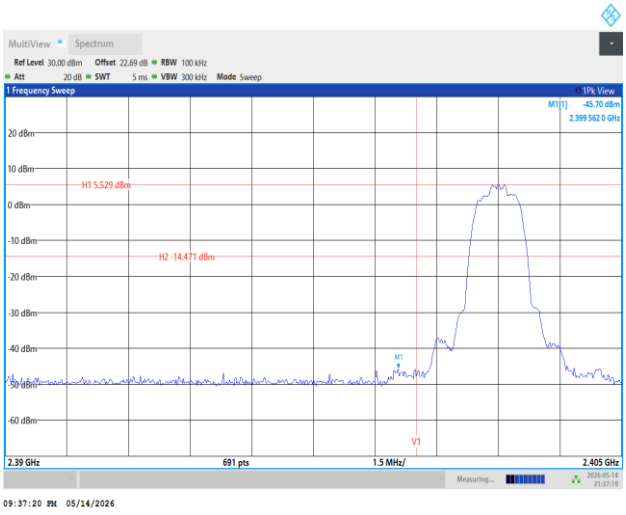
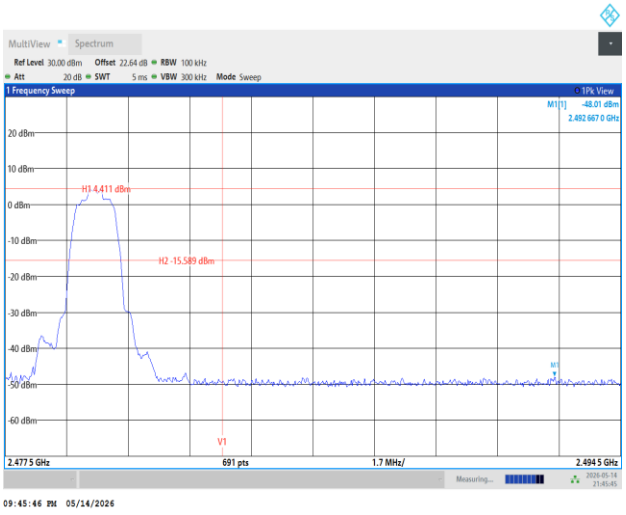
Band Edge Plot on Channel 00	Band Edge Plot on Channel 78
	

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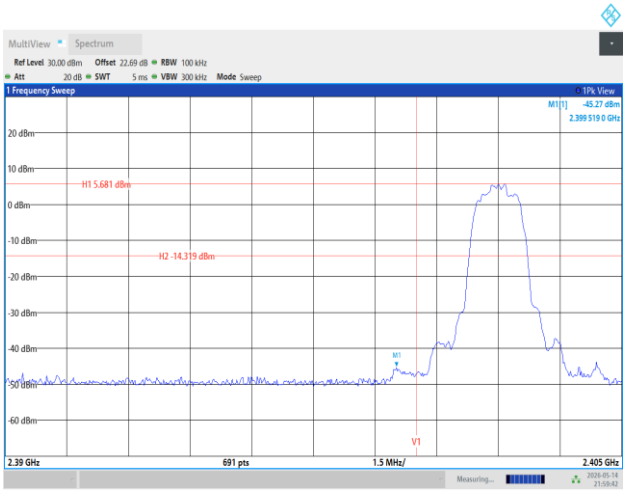
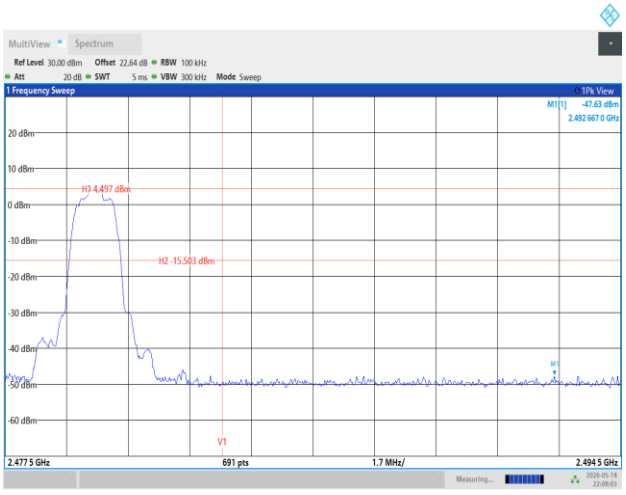
Band Edge Plot on Channel 00	Band Edge Plot on Channel 78
	

Hopping Mode Band Edges

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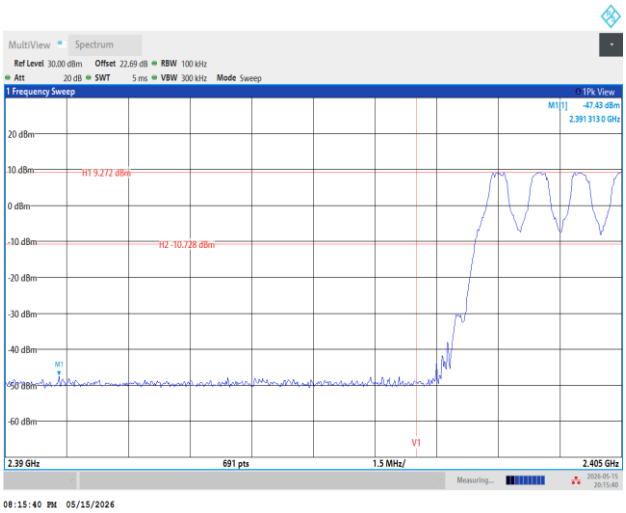
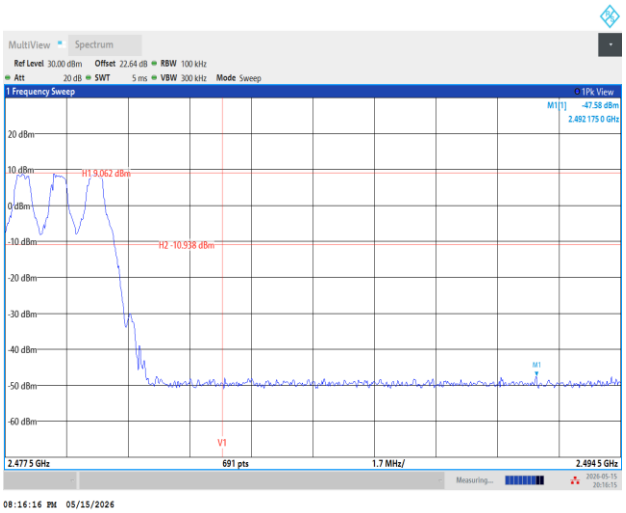
Hopping Mode Band Edge Plot on Channel 00	Hopping Mode Band Edge Plot on Channel 78
	

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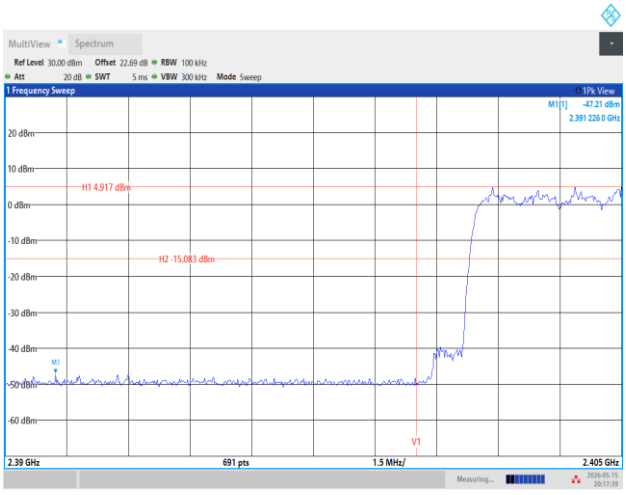
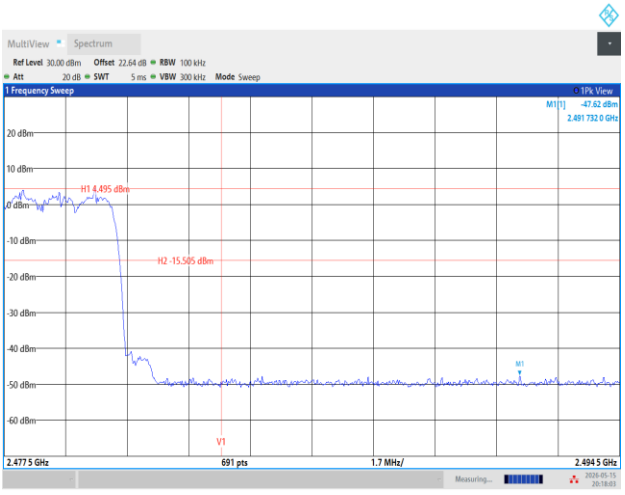
Hopping Mode Band Edge Plot on Channel 00	Hopping Mode Band Edge Plot on Channel 78
	

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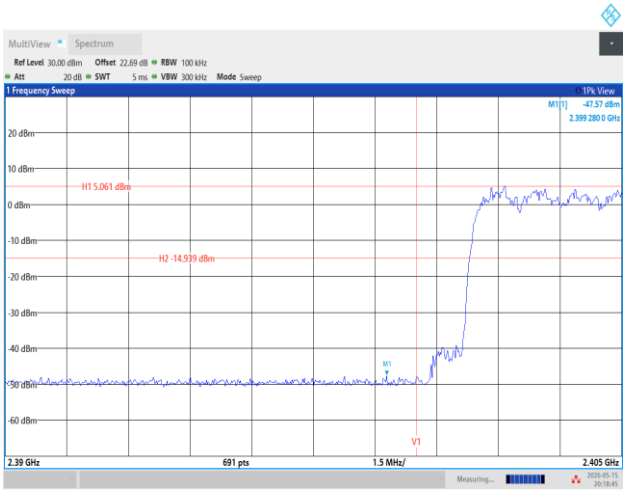
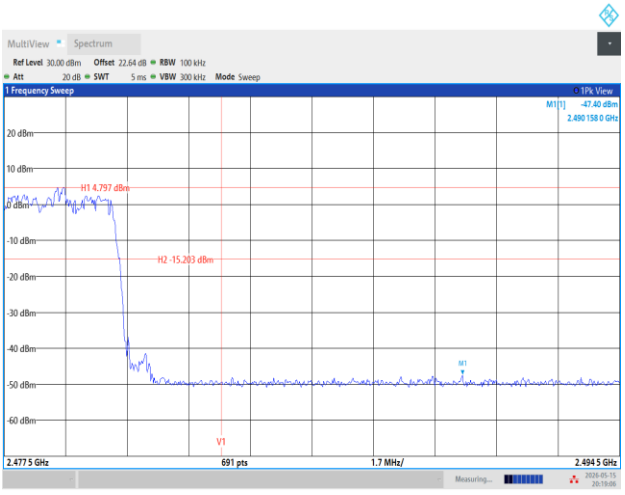
Hopping Mode Band Edge Plot on Channel 00	Hopping Mode Band Edge Plot on Channel 78
	

Conducted Spurious Emission

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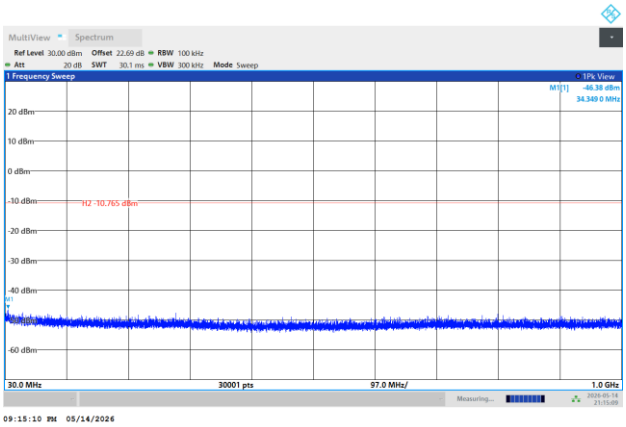
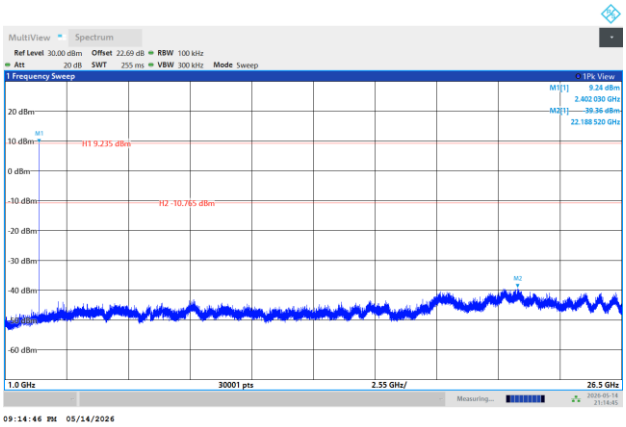
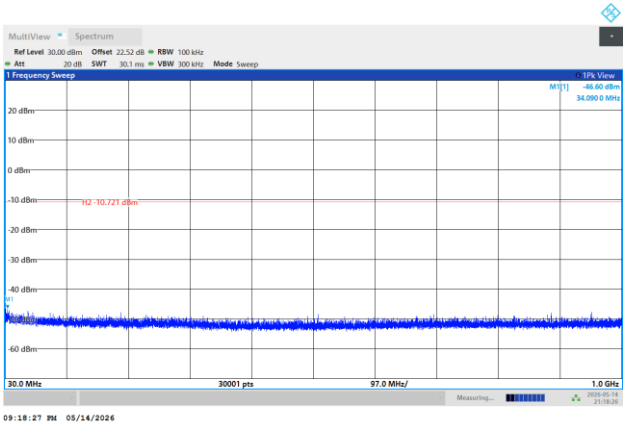
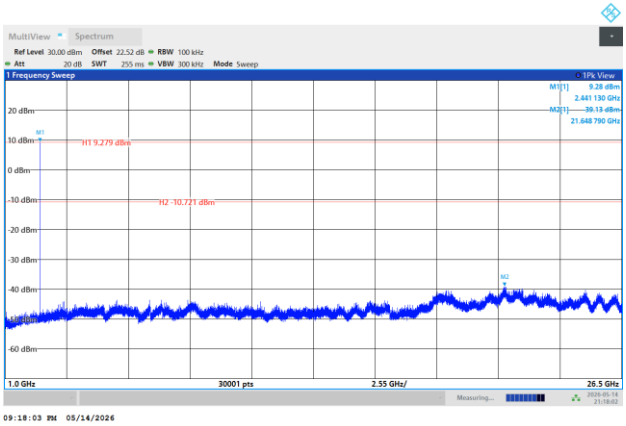
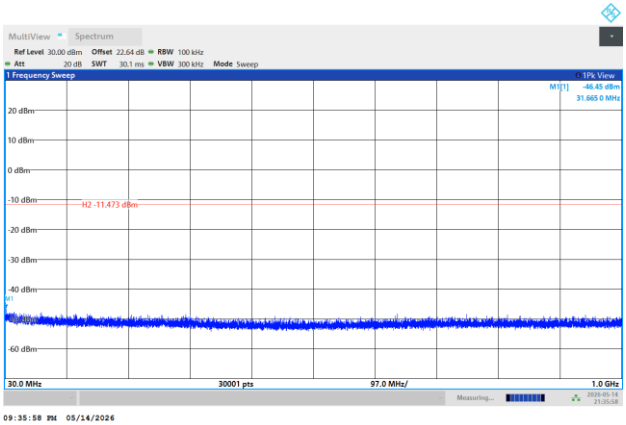
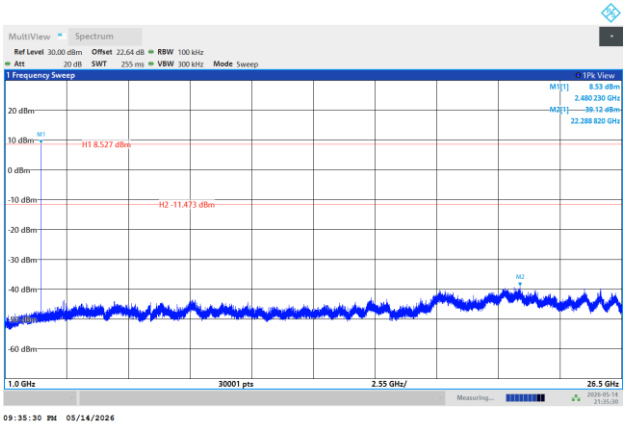
CSE Plot on Low Ch between 30MHz ~ 1 GHz	CSE Plot on Low Ch between 1GHz ~ 26.5GHz
	
CSE Plot on Mid. Ch between 30MHz ~ 1 GHz	**CSE Plot on Mid. Ch between 1GHz ~ 26.5GHz**
	
CSE Plot on High Ch between 30MHz ~ 1 GHz	**CSE Plot on High Ch between 1GHz ~ 26.5GHz**
	

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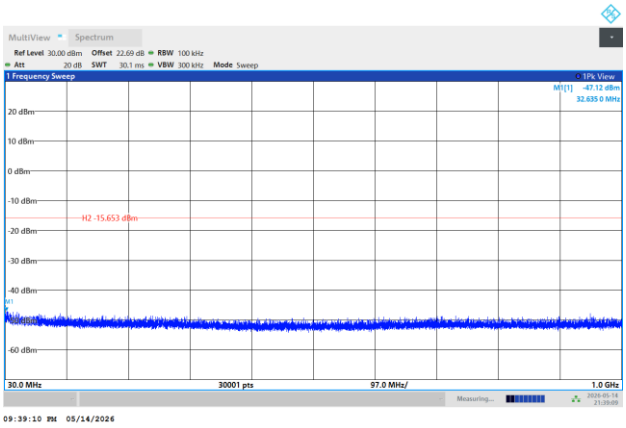
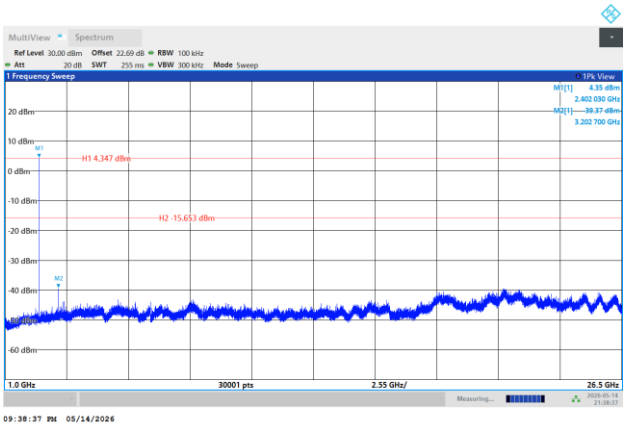
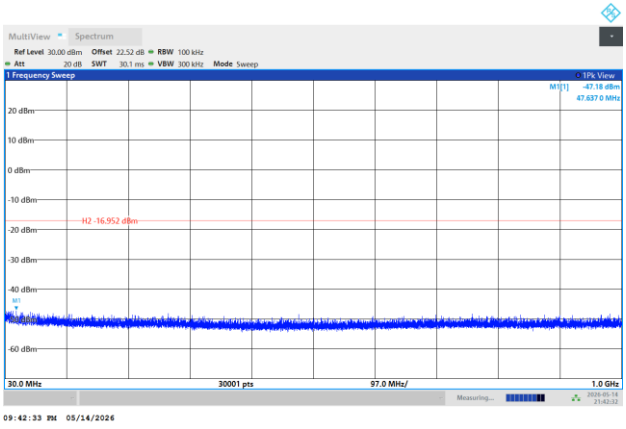
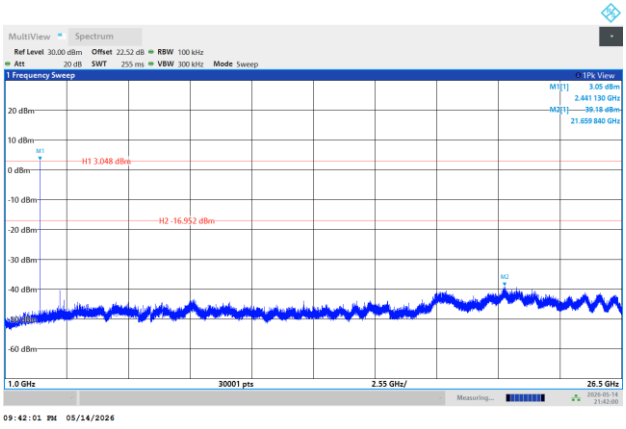
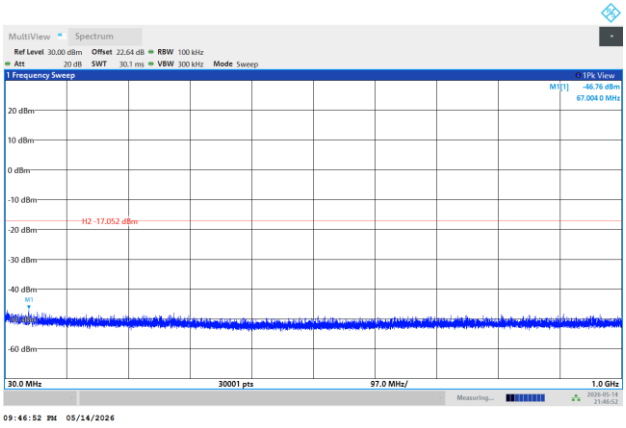
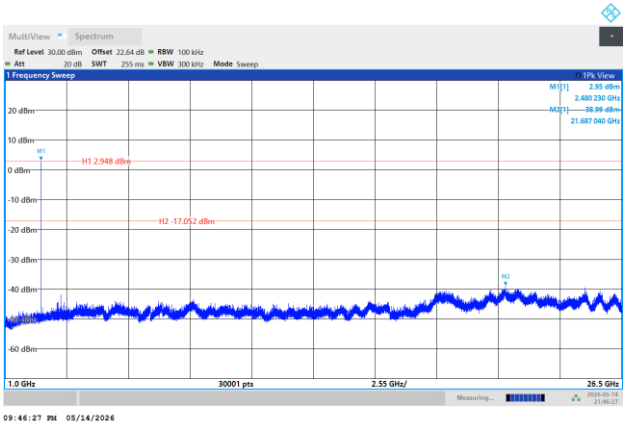
CSE Plot on Low Ch between 30MHz ~ 1 GHz	CSE Plot on Low Ch between 1GHz ~ 26.5GHz
	
CSE Plot on Mid. Ch between 30MHz ~ 1 GHz	**CSE Plot on Mid. Ch between 1GHz ~ 26.5GHz**
	
CSE Plot on High Ch between 30MHz ~ 1 GHz	**CSE Plot on High Ch between 1GHz ~ 26.5GHz**
	

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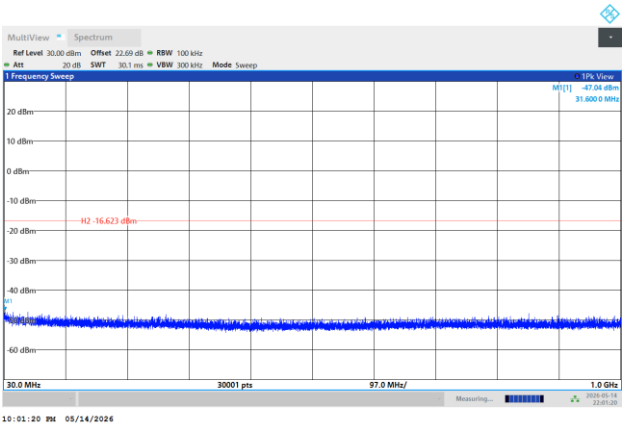
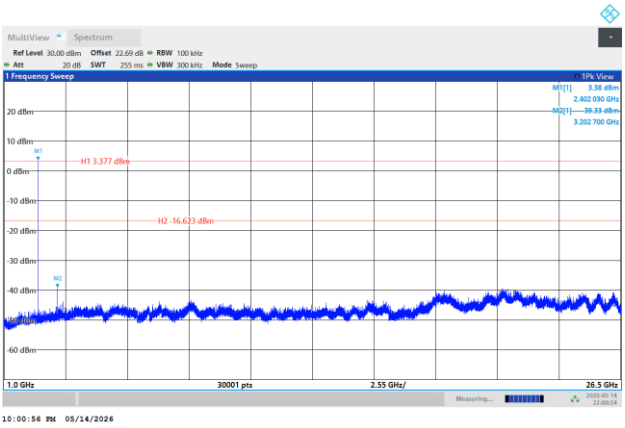
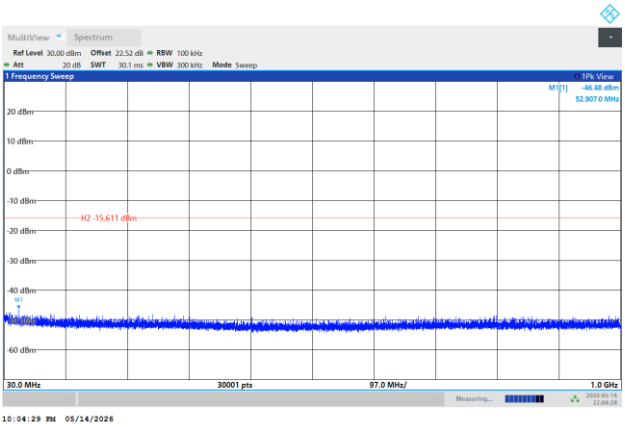
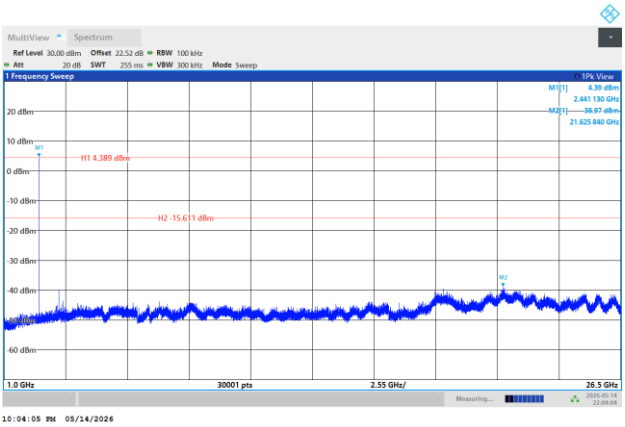
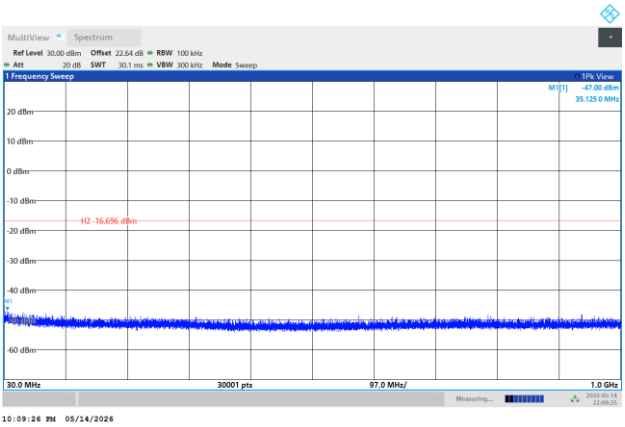
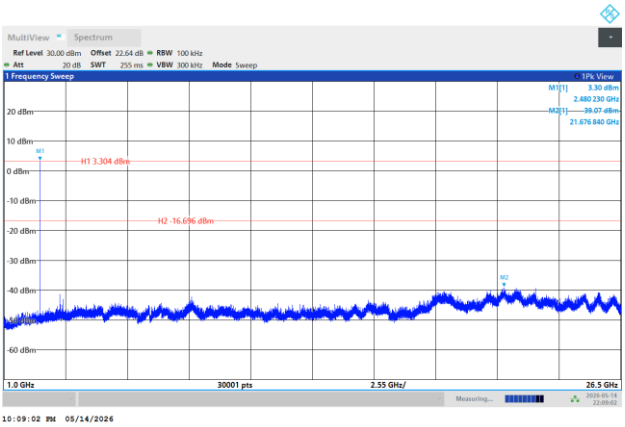
CSE Plot on Low Ch between 30MHz ~ 1 GHz	CSE Plot on Low Ch between 1GHz ~ 26.5GHz
	
CSE Plot on Mid. Ch between 30MHz ~ 1 GHz	**CSE Plot on Mid. Ch between 1GHz ~ 26.5GHz**
	
CSE Plot on High Ch between 30MHz ~ 1 GHz	**CSE Plot on High Ch between 1GHz ~ 26.5GHz**
	

Appendix B. Radiated Spurious Emission Test Data

Test Engineer :	Jesse Wang, Stan Hsieh, Ken Wu	**Temperature :**	18.2~21.3°C
		Relative Humidity :	56.4~68.6%

Note symbol

-L	**Low channel location**
-R	**High channel location**

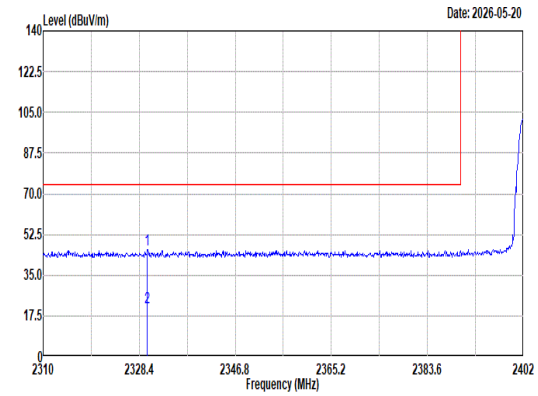
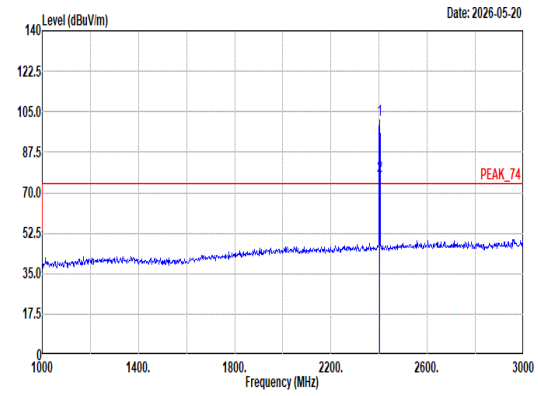
C1.Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	2400-2483.5	BT1	Bluetooth BR_GFSK	00	2402	1Mbps	-	-
Mode 2	2400-2483.5	BT1	Bluetooth BR_GFSK	39	2441	1Mbps	-	-
Mode 3	2400-2483.5	BT1	Bluetooth BR_GFSK	78	2480	1Mbps	-	-
Mode 4	2400-2483.5	BT1	Bluetooth BR_GFSK	00	2402	2Mbps	-	-
Mode 5	2400-2483.5	BT1	Bluetooth BR_GFSK	39	2441	2Mbps	-	-
Mode 6	2400-2483.5	BT1	Bluetooth BR_GFSK	78	2480	2Mbps	-	-
Mode 7	2400-2483.5	BT1	Bluetooth BR_GFSK	00	2402	3Mbps	-	-
Mode 8	2400-2483.5	BT1	Bluetooth BR_GFSK	39	2441	3Mbps	-	-
Mode 9	2400-2483.5	BT1	Bluetooth BR_GFSK	78	2480	3Mbps	-	-
Mode 10	2400-2483.5	BT1	Bluetooth BR_GFSK	78	2480	1Mbps	-	LF
Mode 11	2400-2483.5	BT1	Bluetooth BR_GFSK	78	2480	1Mbps	-	SHF

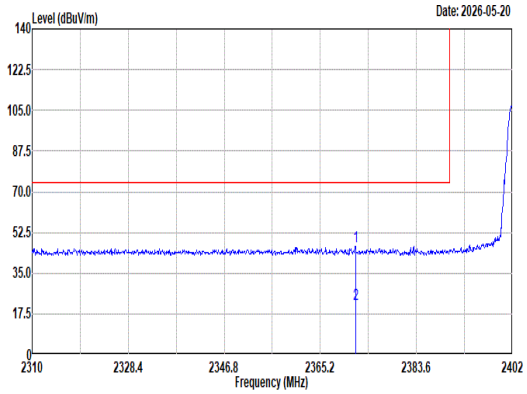
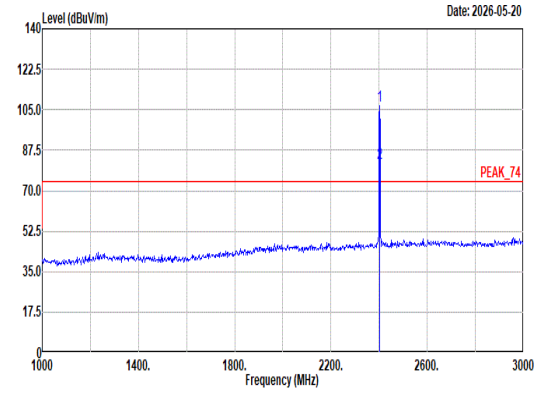
C2.Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
1	Bluetooth BR_GFSK	00	2371.92	46.62	74.00	-27.38	V	Peak	Pass	-	Band Edge
	Bluetooth BR_GFSK	00	4804.00	45.01	74.00	-28.99	V	Peak	Pass	-	Harmonic
2	Bluetooth BR_GFSK	39	2488.02	47.21	74.00	-26.79	H	Peak	Pass	-	Band Edge
	Bluetooth BR_GFSK	39	4882.00	46.54	74.00	-27.46	V	Peak	Pass	-	Harmonic
3	Bluetooth BR_GFSK	78	2483.52	49.19	74.00	-24.81	V	Peak	Pass	-	Band Edge
	Bluetooth BR_GFSK	78	4960.00	47.50	74.00	-26.50	V	Peak	Pass	-	Harmonic
4	Bluetooth BR_GFSK	00	2360.78	47.64	74.00	-26.36	V	Peak	Pass	-	Band Edge
	Bluetooth BR_GFSK	00	4804.00	43.51	74.00	-30.49	V	Peak	Pass	-	Harmonic
5	Bluetooth BR_GFSK	39	2496.05	46.76	74.00	-27.24	V	Peak	Pass	-	Band Edge
	Bluetooth BR_GFSK	39	7323.00	43.29	74.00	-30.71	H	Peak	Pass	-	Harmonic
6	Bluetooth BR_GFSK	78	2485.64	47.51	74.00	-26.49	H	Peak	Pass	-	Band Edge

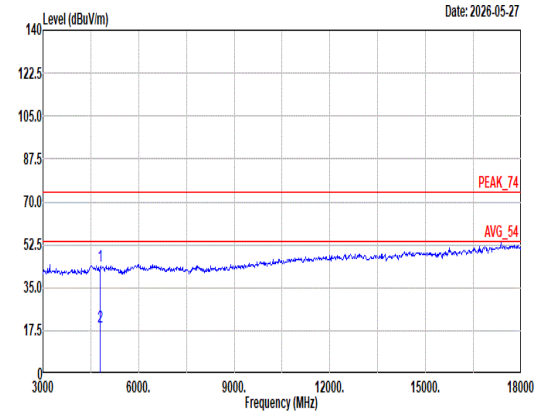
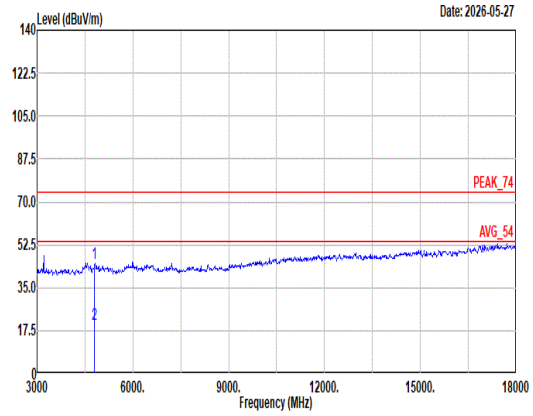
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
6	Bluetooth BR_GFSK	78	4960.00	42.86	74.00	-31.14	H	Peak	Pass	-	Harmonic
7	Bluetooth BR_GFSK	00	2373.76	45.63	74.00	-28.37	H	Peak	Pass	-	Band Edge
	Bluetooth BR_GFSK	00	4804.00	43.94	74.00	-30.06	H	Peak	Pass	-	Harmonic
8	Bluetooth BR_GFSK	39	2499.29	47.04	74.00	-26.96	H	Peak	Pass	-	Band Edge
	Bluetooth BR_GFSK	39	4882.00	43.58	74.00	-30.42	H	Peak	Pass	-	Harmonic
9	Bluetooth BR_GFSK	78	2489.20	47.46	74.00	-26.54	V	Peak	Pass	-	Band Edge
	Bluetooth BR_GFSK	78	4960.00	42.86	74.00	-31.14	V	Peak	Pass	-	Harmonic
10	LF	78	30.97	30.99	40.00	-9.01	V	Peak	Pass	-	LF
11	SHF	78	23530.00	39.32	74.00	-34.68	V	Peak	Pass	-	SHF

Mode	1	
	Band Edge	
	2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz	
ANT	BT1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2329.96 45.86 74.00 -28.14 39.74 32.10 8.57 34.55 0.00 400 5 Peak 2 2329.96 21.07 54.00 -32.93 -- -- -- -- -- -- -- AVERAGE	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2402.00 101.67 ------ ------ 95.46 32.12 8.69 34.60 0.00 400 5 Peak 2 2402.00 76.88 ------ ------ -- -- -- -- -- -- -- Average

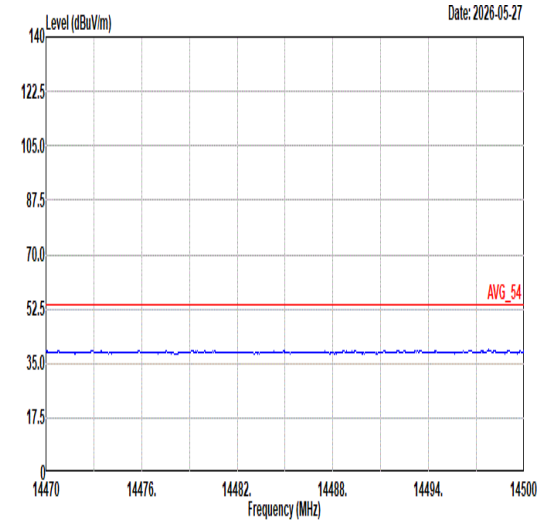
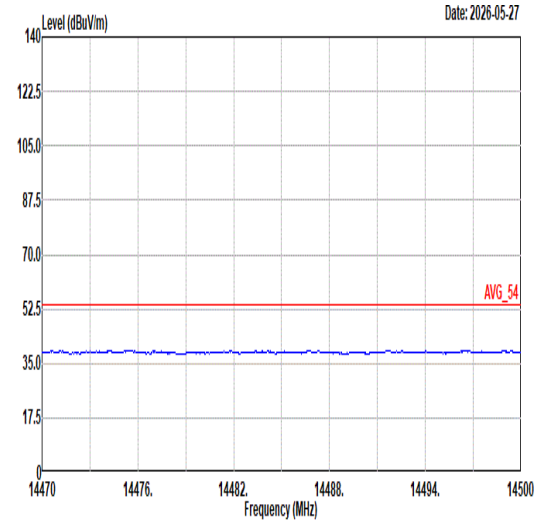
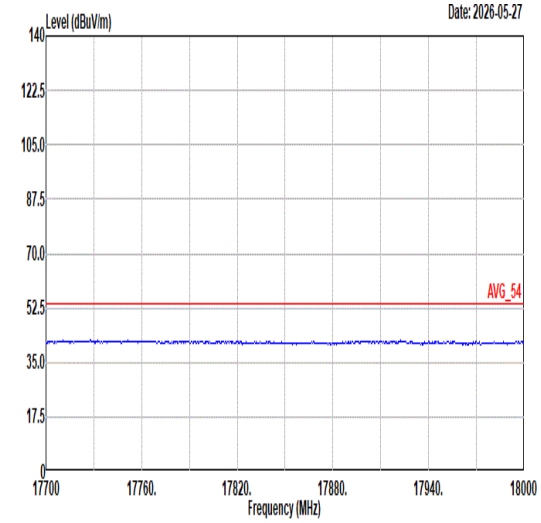
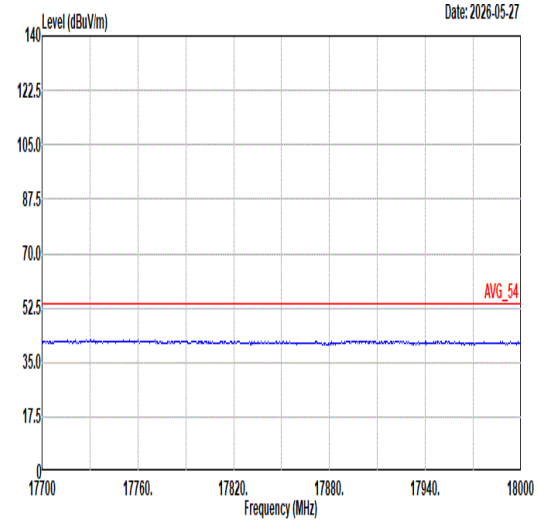
Remark: In the left figure, points 1 and 2 are the noise floor

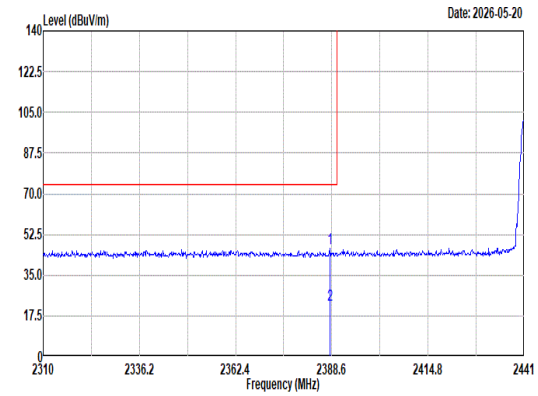
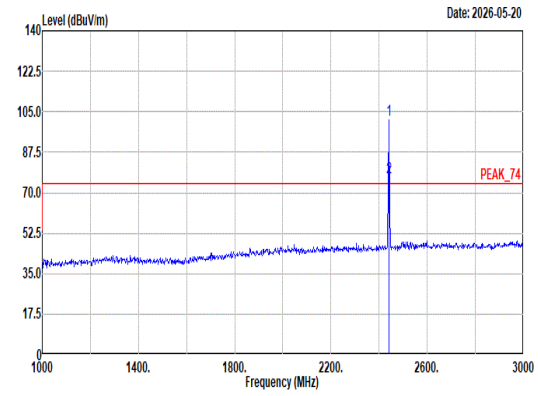
Mode	1	
	Band Edge	
	2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz	
ANT	BT1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2371.92 46.62 74.00 -27.38 40.46 32.10 8.64 34.58 0.00 102 226 Peak 2 2371.92 21.83 54.00 -32.17 -- -- -- -- -- -- -- AVERAGE	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2402.00 106.79 ------ ------ 100.58 32.12 8.69 34.60 0.00 102 226 Peak 2 2402.00 82.00 ------ ------ -- -- -- -- -- -- -- Average

Remark: In the left figure, points 1 and 2 are the noise floor

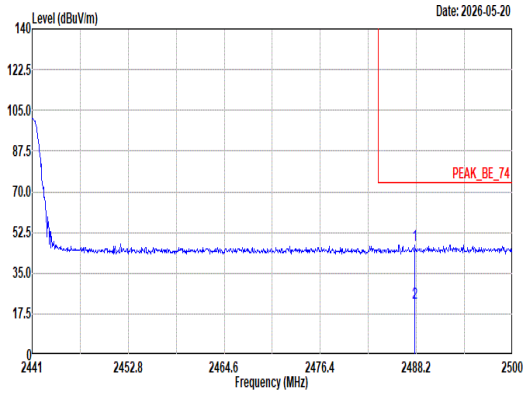
Mode	1	
	Harmonic	
	2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz	
ANT	BT1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4804.00 43.96 74.00 -30.04 54.35 34.50 12.31 58.10 0.90 -- -- Peak 2 4804.00 19.17 54.00 -34.83 -- -- -- -- -- -- -- Average	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4804.00 45.01 74.00 -28.99 55.40 34.50 12.31 58.10 0.90 -- -- Peak 2 4804.00 20.22 54.00 -33.78 -- -- -- -- -- -- -- Average

Remark: In the figure, points 1 and 2 are the noise floor

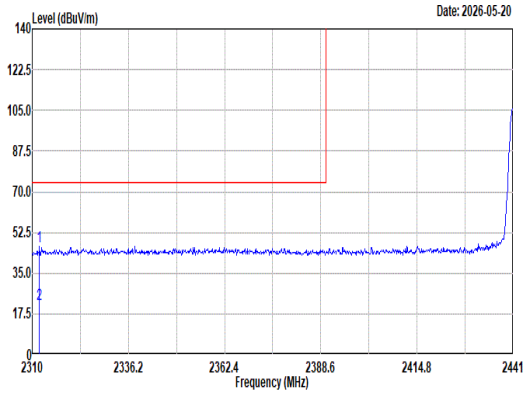
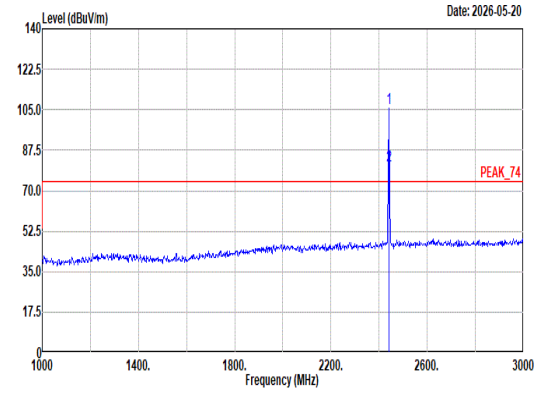
Mode	1	
	Harmonic	
	2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz	
ANT	BT1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 VERTICAL
17.7G ~18G Avg	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 VERTICAL

Mode	2	
	Band Edge - L	
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz	
ANT	BT1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2388.08 46.74 74.00 -27.26 40.56 32.10 8.67 34.59 0.00 352 360 Peak 2 2388.08 21.95 54.00 -32.05 -- -- -- -- -- -- -- AVERAGE	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2441.00 101.34 ------ ------ 94.80 32.40 8.76 34.62 0.00 352 360 Peak 2 2441.00 76.55 ------ ------ -- -- -- -- -- -- -- Average

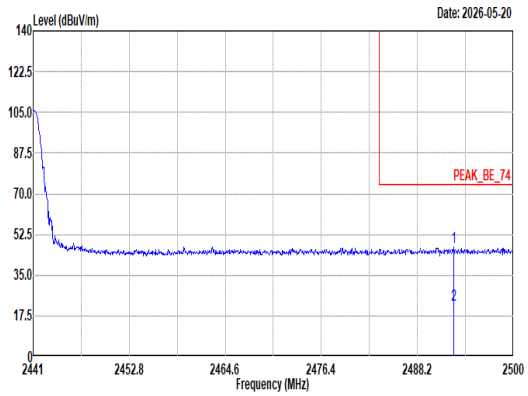
Remark: In the left figure, points 1 and 2 are the noise floor

Mode	2	
	Band Edge - R	
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz	
ANT	BT1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2488.02 47.21 74.00 -26.79 40.23 32.78 8.85 34.65 0.00 352 360 Peak 2 2488.02 22.42 54.00 -31.58 -- -- -- -- -- -- -- AVERAGE	Blank

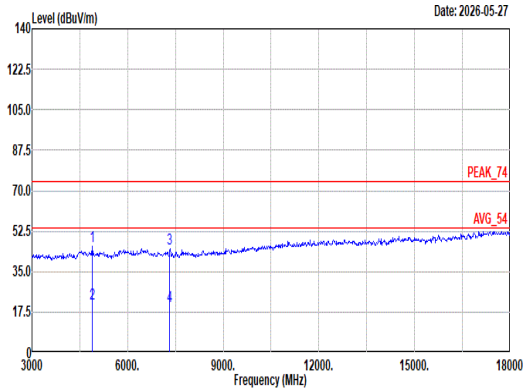
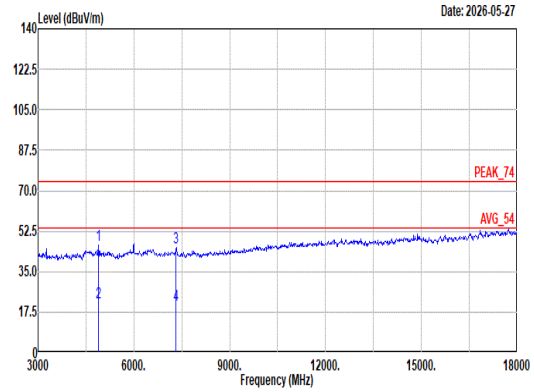
Remark: In the left figure, points 1 and 2 are the noise floor

Mode	2	
	Band Edge - L	
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz	
ANT	BT1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2311.97 46.70 74.00 -27.30 40.60 32.10 8.54 34.54 0.00 104 224 Peak 2 2311.97 21.91 54.00 -32.09 -- -- -- -- -- -- -- AVERAGE	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2441.00 105.73 ------ ------ 99.19 32.40 8.76 34.62 0.00 104 224 Peak 2 2441.00 80.94 ------ ------ -- -- -- -- -- -- -- Average

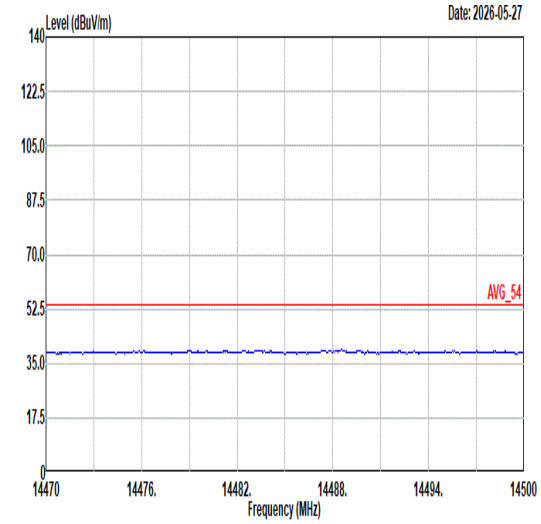
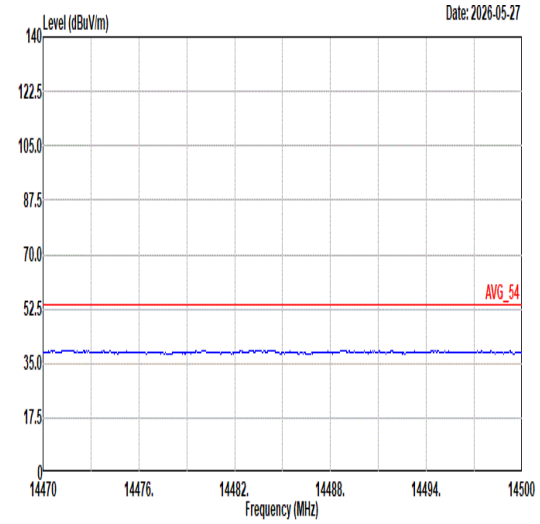
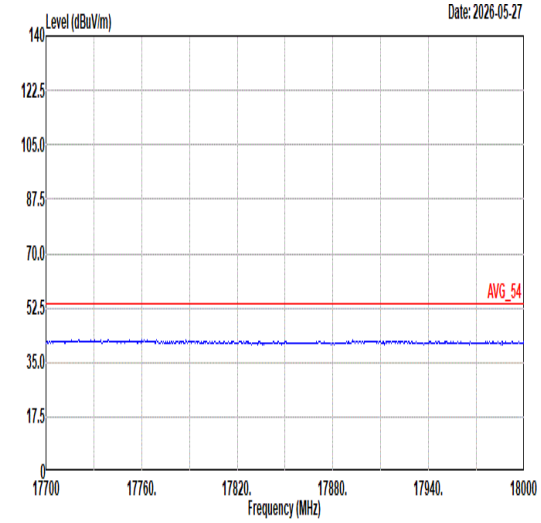
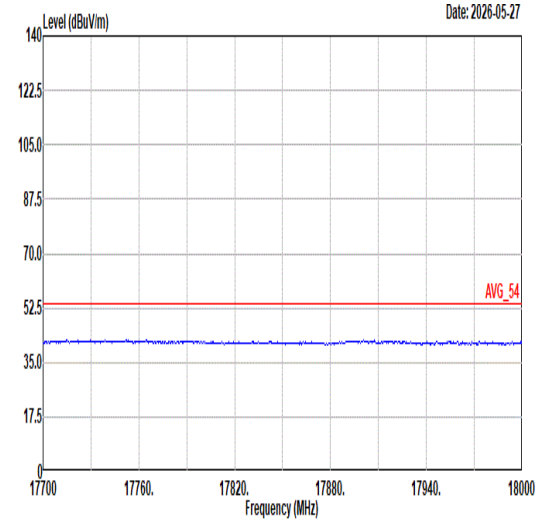
Remark: In the left figure, points 1 and 2 are the noise floor

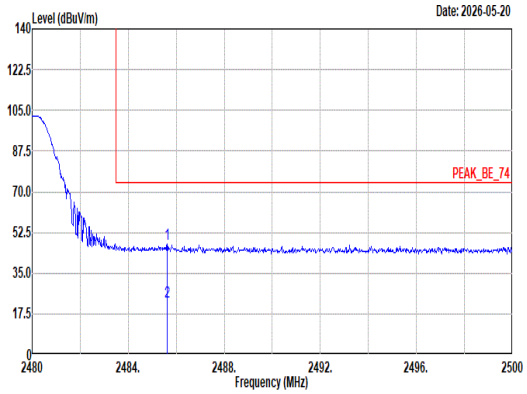
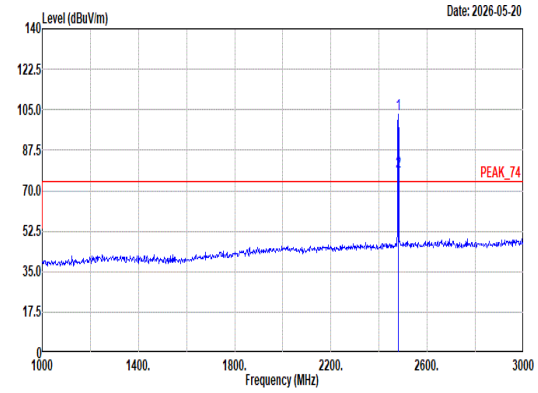
Mode	2	
	Band Edge - R	
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz	
ANT	BT1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2492.63 47.16 74.00 -26.84 40.13 32.83 8.86 34.66 0.00 104 224 Peak 2 2492.63 22.37 54.00 -31.63 -- -- -- -- -- -- -- AVERAGE	Blank

Remark: In the left figure, points 1 and 2 are the noise floor

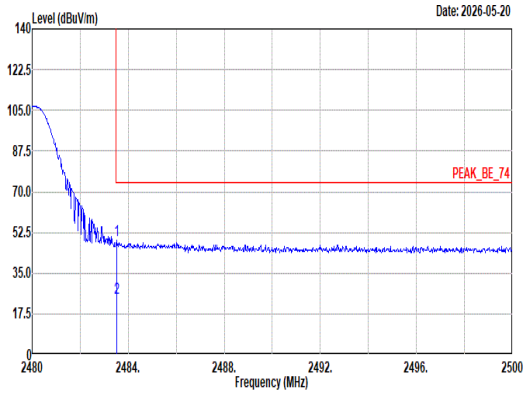
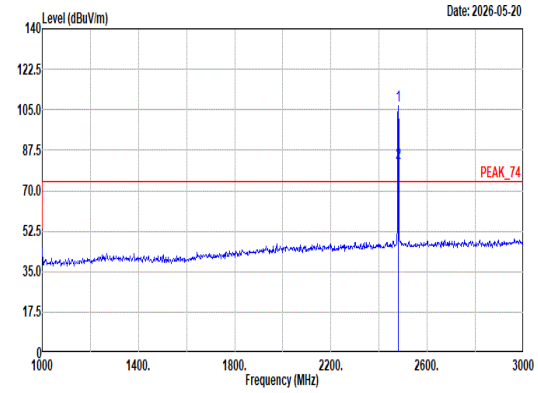
Mode	2	
	Harmonic	
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz	
ANT	BT1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4882.00 45.89 74.00 -28.11 56.14 34.44 12.41 57.99 0.89 -- -- Peak 2 4882.00 21.10 54.00 -32.90 -- -- -- -- -- -- -- Average 3 7323.00 44.87 74.00 -29.13 50.85 36.00 14.94 57.87 0.95 -- -- Peak 4 7323.00 20.08 54.00 -33.92 -- -- -- -- -- -- -- Average	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4882.00 46.54 74.00 -27.46 56.79 34.44 12.41 57.99 0.89 -- -- Peak 2 4882.00 21.75 54.00 -32.25 -- -- -- -- -- -- -- Average 3 7323.00 45.48 74.00 -28.52 51.46 36.00 14.94 57.87 0.95 -- -- Peak 4 7323.00 20.69 54.00 -33.31 -- -- -- -- -- -- -- Average

Remark: In the figure, points 1 and 2 are the noise floor

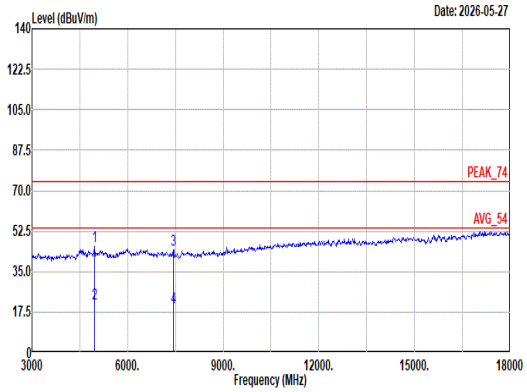
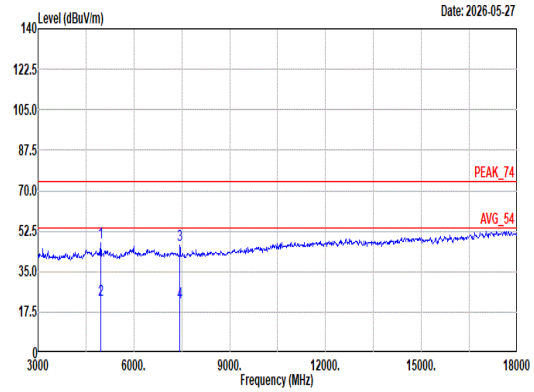
Mode	2	
	Harmonic	
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz	
ANT	BT1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 VERTICAL
17.7G ~18G Avg	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 VERTICAL

Mode	3	
	Band Edge	
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz	
ANT	BT1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2485.62 47.29 74.00 -26.71 40.33 32.76 8.85 34.65 0.00 380 360 Peak 2 2485.62 22.50 54.00 -31.50 -- -- -- -- -- -- -- AVERAGE	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2480.00 102.86 ------ ------ 95.97 32.70 8.84 34.65 0.00 380 360 Peak 2 2480.00 78.07 ------ ------ -- -- -- -- -- -- -- Average

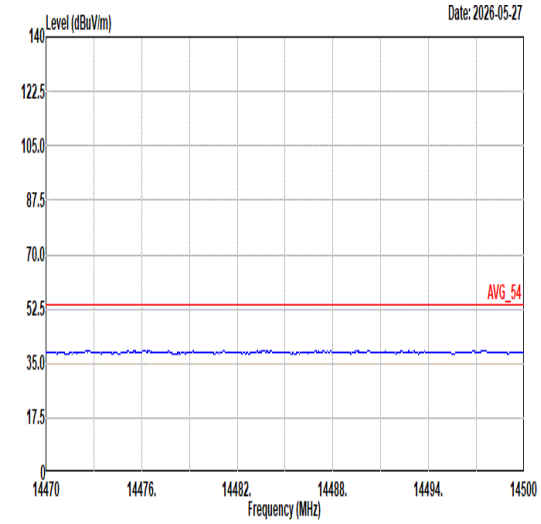
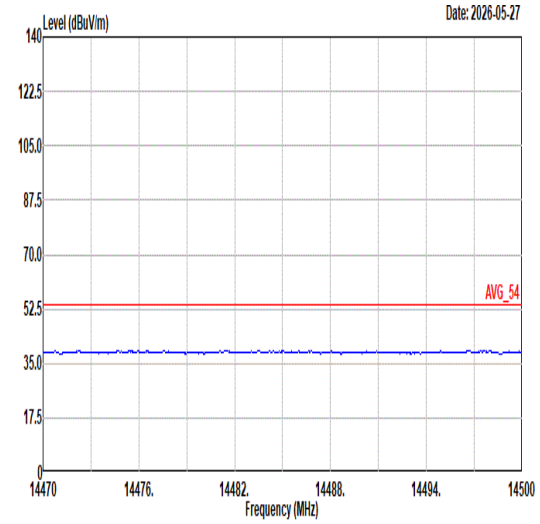
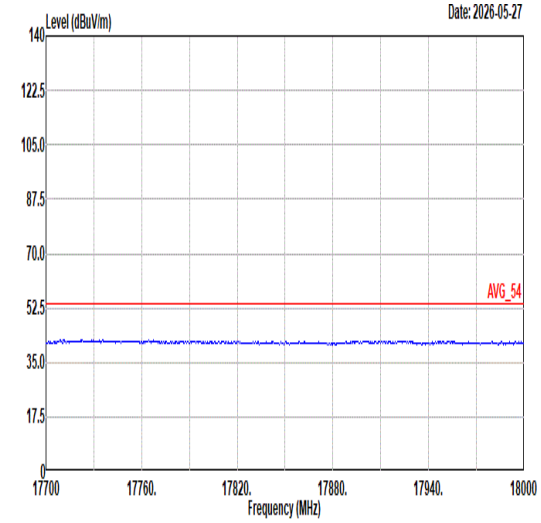
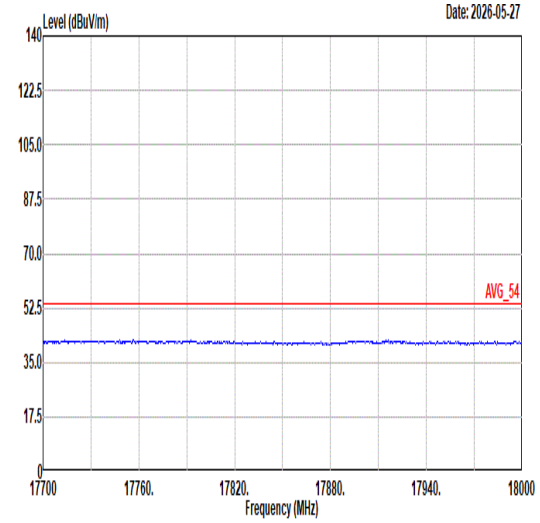
Remark: In the left figure, points 1 and 2 are the noise floor

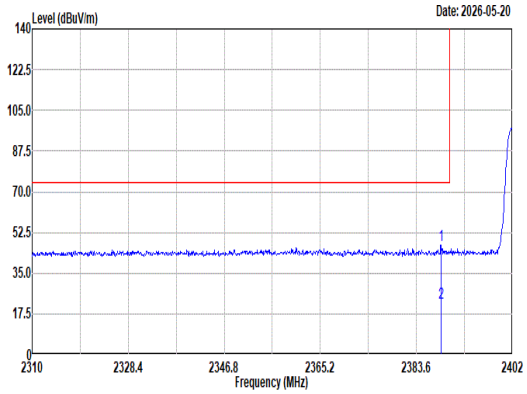
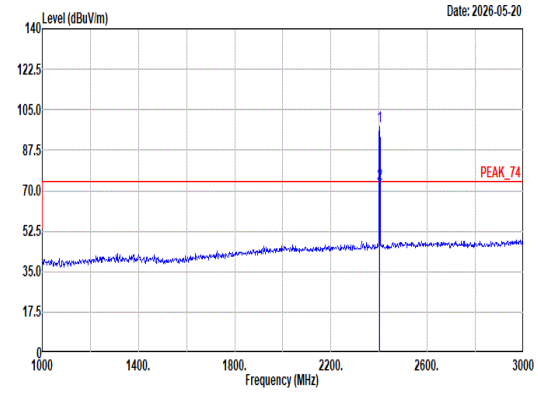
Mode	3	
	Band Edge	
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz	
ANT	BT1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 2483.52 49.19 74.00 -24.81 42.26 32.74 8.84 34.65 0.00 100 224 Peak 2 2483.52 24.40 54.00 -29.60 -- -- -- -- -- -- -- AVERAGE	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 2480.00 106.59 ------ ------ 99.70 32.70 8.84 34.65 0.00 100 224 Peak 2 2480.00 81.80 ------ ------ -- -- -- -- -- -- -- Average

Remark: In the left figure, points 1 and 2 are the noise floor

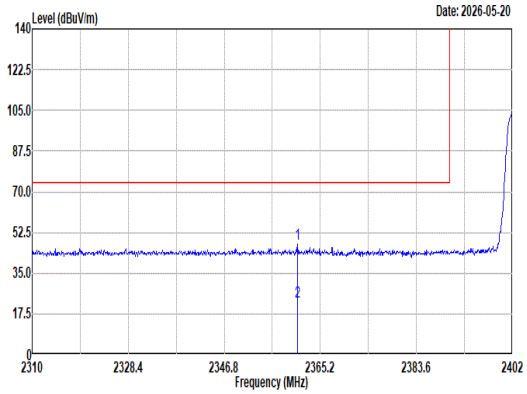
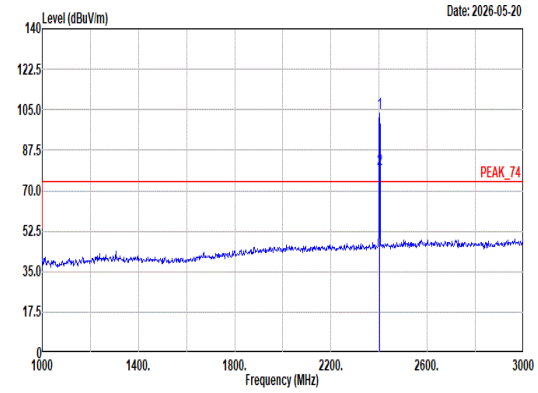
Mode	3	
	Harmonic	
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz	
ANT	BT1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4960.00 45.75 74.00 -28.25 55.71 34.54 12.50 57.88 0.88 -- -- Peak 2 4960.00 20.96 54.00 -33.04 -- -- -- -- -- -- -- Average 3 7440.00 44.49 74.00 -29.51 50.61 36.00 15.03 58.07 0.92 -- -- Peak 4 7440.00 19.70 54.00 -34.30 -- -- -- -- -- -- -- Average	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4960.00 47.50 74.00 -26.50 57.46 34.54 12.50 57.88 0.88 -- -- Peak 2 4960.00 22.71 54.00 -31.29 -- -- -- -- -- -- -- Average 3 7440.00 46.62 74.00 -27.38 52.74 36.00 15.03 58.07 0.92 -- -- Peak 4 7440.00 21.83 54.00 -32.17 -- -- -- -- -- -- -- Average

Remark: In the figure, points 1 and 2 are the noise floor

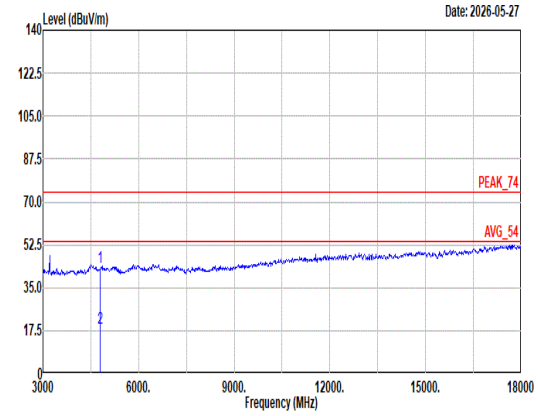
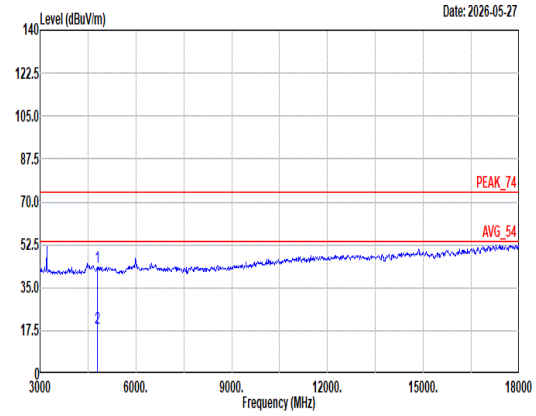
Mode	3	
	Harmonic	
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz	
ANT	BT1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 VERTICAL
17.7G ~18G Avg	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 VERTICAL

Mode	4	
	Band Edge	
	2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz	
ANT	BT1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2388.29 46.84 74.00 -27.16 40.66 32.10 8.67 34.59 0.00 400 6 Peak 2 2388.29 22.06 54.00 -31.94 -- -- -- -- -- -- -- AVERAGE	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2402.00 97.93 ------ ------ 91.72 32.12 8.69 34.60 0.00 400 6 Peak 2 2402.00 73.15 ------ ------ -- -- -- -- -- -- -- Average

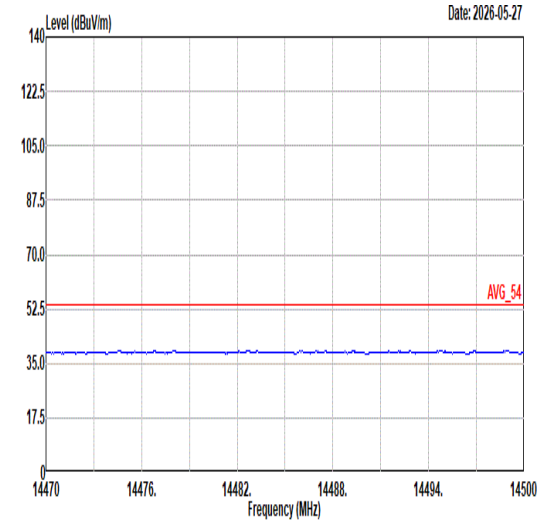
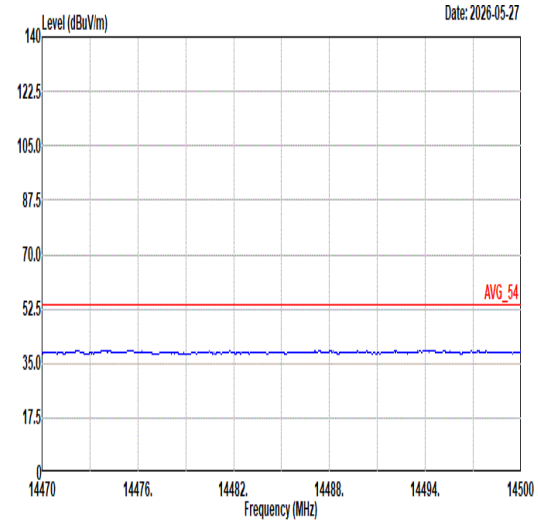
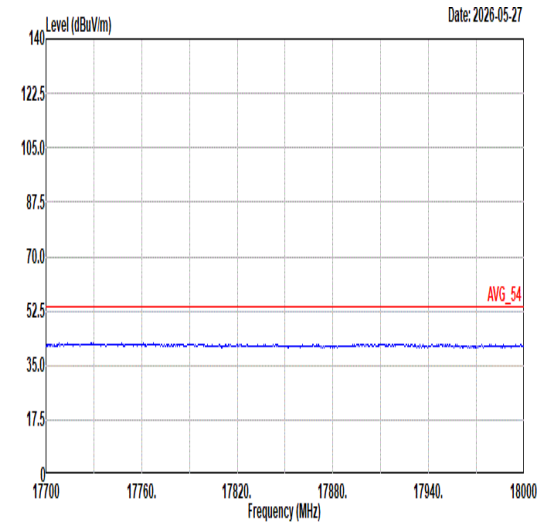
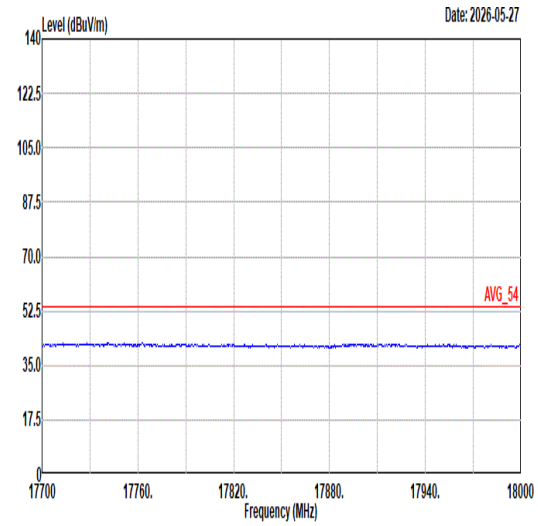
Remark: In the left figure, points 1 and 2 are the noise floor

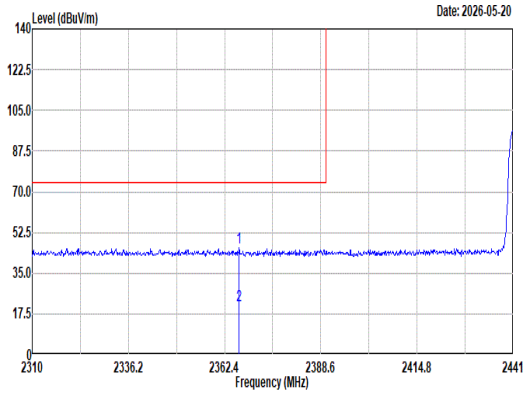
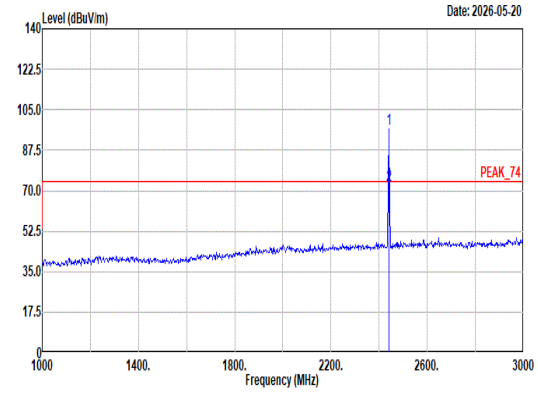
Mode	4	
	Band Edge	
	2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz	
ANT	BT1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2360.78 47.64 74.00 -26.36 41.40 32.19 8.62 34.57 0.00 101 227 Peak 2 2360.78 22.86 54.00 -31.14 -- -- -- -- -- -- -- AVERAGE	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2402.00 103.77 ------ ------ 97.56 32.12 8.69 34.60 0.00 101 227 Peak 2 2402.00 78.99 ------ ------ -- -- -- -- -- -- -- Average

Remark: In the left figure, points 1 and 2 are the noise floor

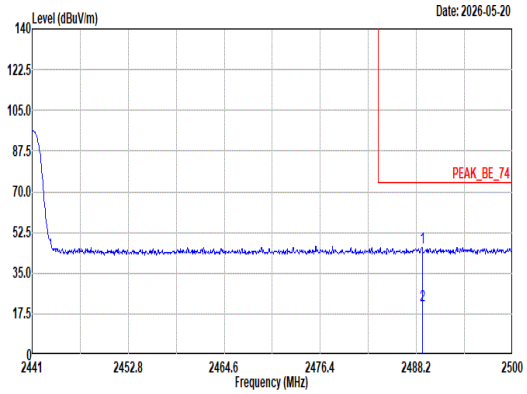
Mode	4	
	Harmonic	
	2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz	
ANT	BT1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4804.00 43.43 74.00 -30.57 53.82 34.50 12.31 58.10 0.90 -- -- Peak 2 4804.00 18.65 54.00 -35.35 -- -- -- -- -- -- -- Average	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4804.00 43.51 74.00 -30.49 53.90 34.50 12.31 58.10 0.90 -- -- Peak 2 4804.00 18.73 54.00 -35.27 -- -- -- -- -- -- -- Average

Remark: In the figure, points 1 and 2 are the noise floor

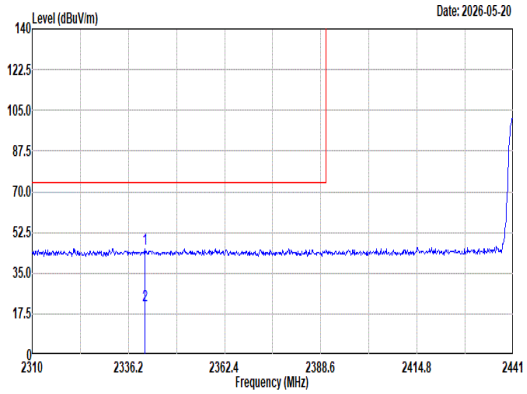
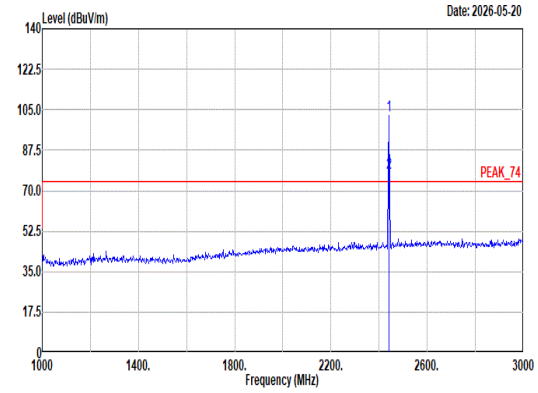
Mode	4	
	Harmonic	
	2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz	
ANT	BT1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 VERTICAL
17.7G ~18G Avg	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 VERTICAL

Mode	5	
	Band Edge - L	
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz	
ANT	BT1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2366.33 45.74 74.00 -28.26 39.54 32.14 8.63 34.57 0.00 356 360 Peak 2 2366.33 20.96 54.00 -33.04 -- -- -- -- -- -- -- AVERAGE	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2441.00 96.91 ------ ------ 90.37 32.40 8.76 34.62 0.00 356 360 Peak 2 2441.00 72.13 ------ ------ -- -- -- -- -- -- -- Average

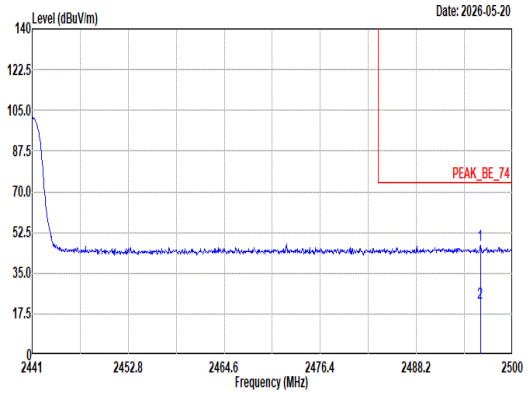
Remark: In the left figure, points 1 and 2 are the noise floor

Mode	5	
	Band Edge - R	
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz	
ANT	BT1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2488.91 45.95 74.00 -28.05 38.96 32.79 8.85 34.65 0.00 356 360 Peak 2 2488.91 21.17 54.00 -32.83 -- -- -- -- -- -- -- AVERAGE	Blank

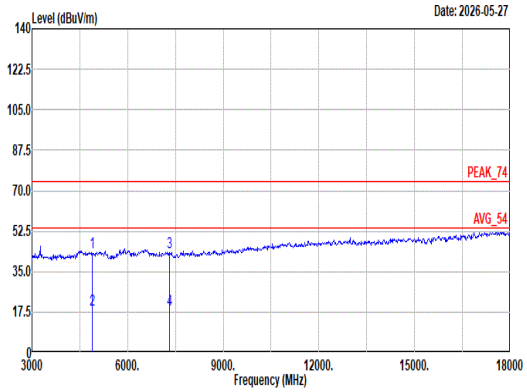
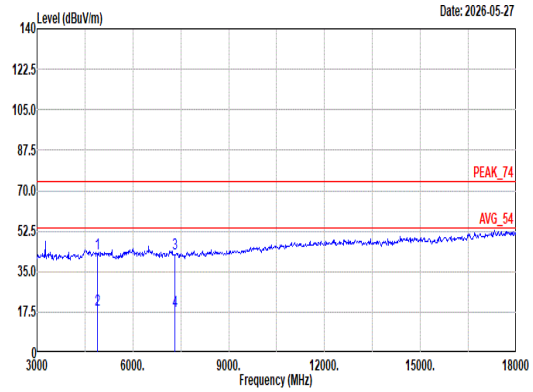
Remark: In the left figure, points 1 and 2 are the noise floor

Mode	5	
	Band Edge - L	
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz	
ANT	BT1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2340.79 45.67 74.00 -28.33 39.54 32.10 8.59 34.56 0.00 106 226 Peak 2 2340.79 20.89 54.00 -33.11 -- -- -- -- -- -- -- AVERAGE	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2441.00 102.28 ------ ------ 95.74 32.40 8.76 34.62 0.00 106 226 Peak 2 2441.00 77.50 ------ ------ -- -- -- -- -- -- -- Average

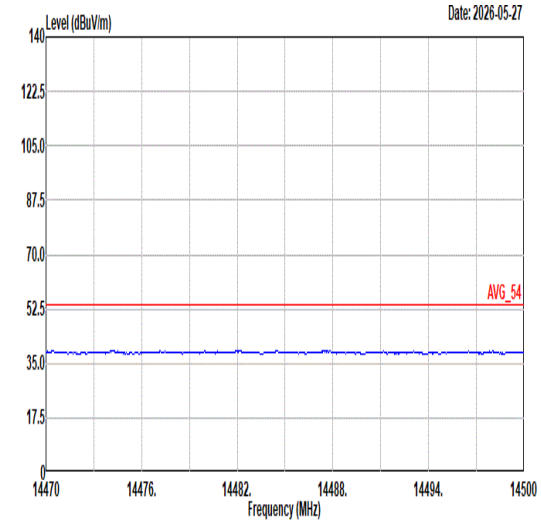
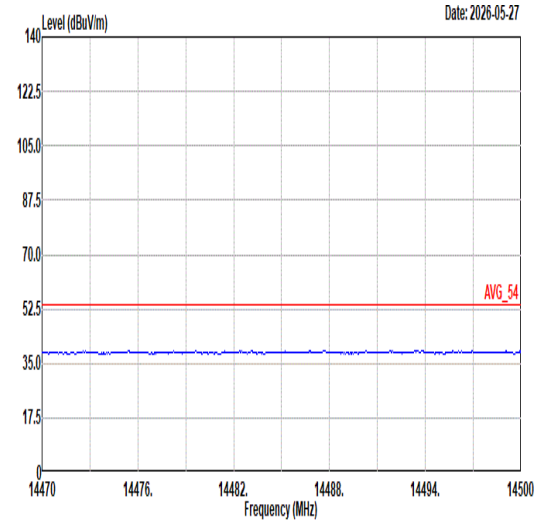
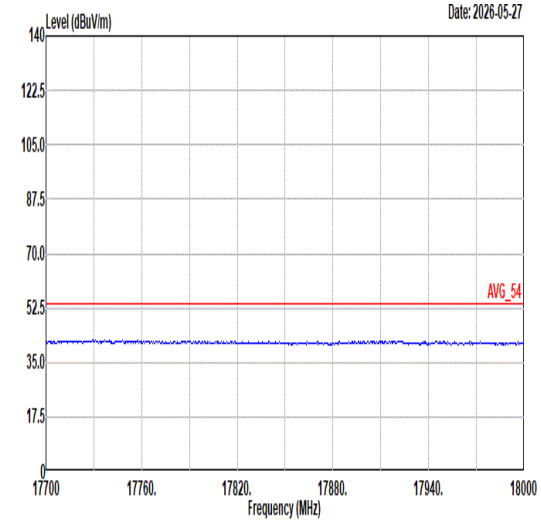
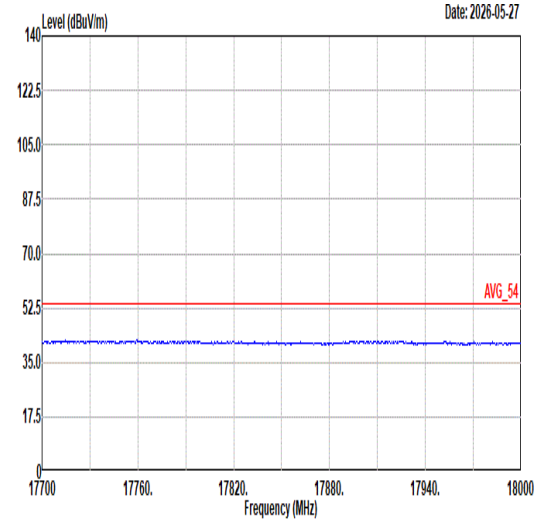
Remark: In the left figure, points 1 and 2 are the noise floor

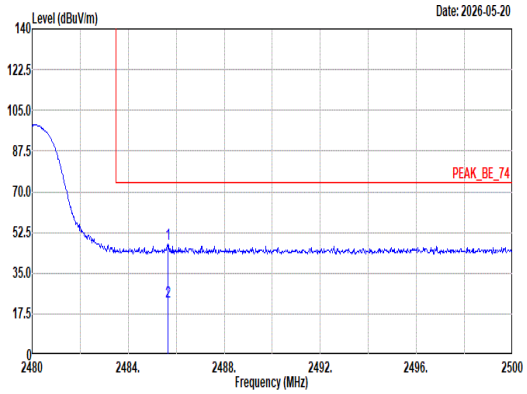
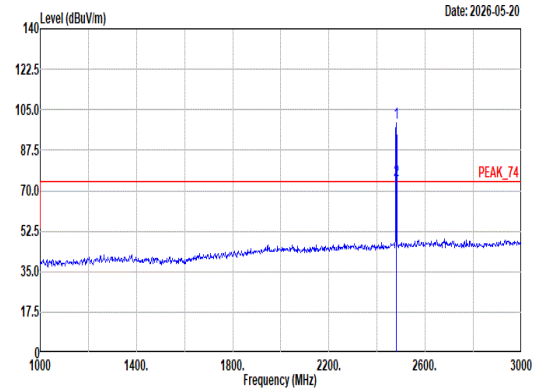
Mode	5	
	Band Edge - R	
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz	
ANT	BT1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2496.05 46.76 74.00 -27.24 39.69 32.86 8.87 34.66 0.00 106 226 Peak 2 2496.05 21.98 54.00 -32.02 -- -- -- -- -- -- -- AVERAGE	Blank

Remark: In the left figure, points 1 and 2 are the noise floor

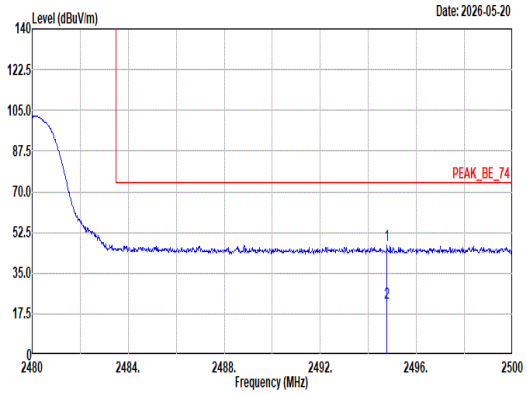
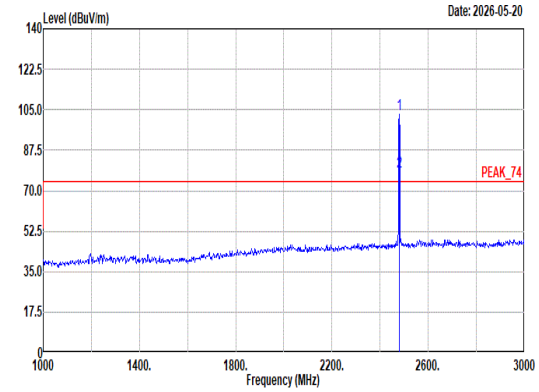
Mode	5	
	Harmonic	
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz	
ANT	BT1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4882.00 43.21 74.00 -30.79 53.46 34.44 12.41 57.99 0.89 -- -- Peak 2 4882.00 18.43 54.00 -35.57 -- -- -- -- -- -- -- Average 3 7323.00 43.29 74.00 -30.71 49.27 36.00 14.94 57.87 0.95 -- -- Peak 4 7323.00 18.51 54.00 -35.49 -- -- -- -- -- -- -- Average	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4882.00 43.01 74.00 -30.99 53.26 34.44 12.41 57.99 0.89 -- -- Peak 2 4882.00 18.23 54.00 -35.77 -- -- -- -- -- -- -- Average 3 7323.00 42.88 74.00 -31.12 48.86 36.00 14.94 57.87 0.95 -- -- Peak 4 7323.00 18.10 54.00 -35.90 -- -- -- -- -- -- -- Average

Remark: In the figure, points 1 and 2 are the noise floor

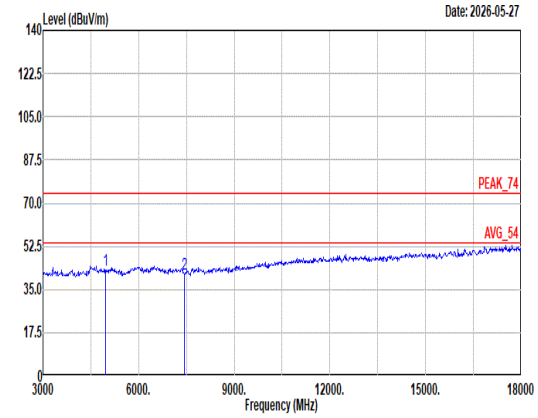
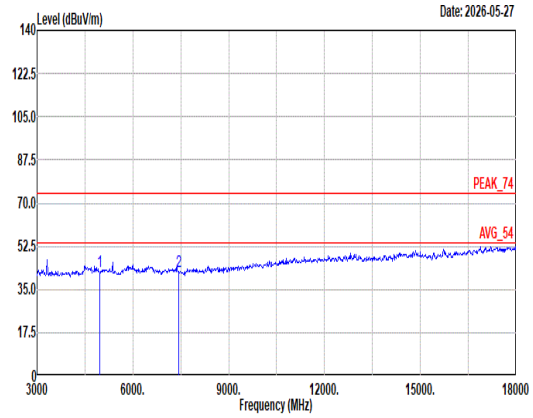
Mode	5	
	Harmonic	
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz	
ANT	BT1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 VERTICAL
17.7G ~18G Avg	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 VERTICAL

Mode	6	
	Band Edge	
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz	
ANT	BT1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2485.64 47.51 74.00 -26.49 40.55 32.76 8.85 34.65 0.00 381 360 Peak 2 2485.64 22.73 54.00 -31.27 -- -- -- -- -- -- -- AVERAGE	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2480.00 99.22 ------ ------ 92.33 32.70 8.84 34.65 0.00 381 360 Peak 2 2480.00 74.44 ------ ------ -- -- -- -- -- -- -- Average

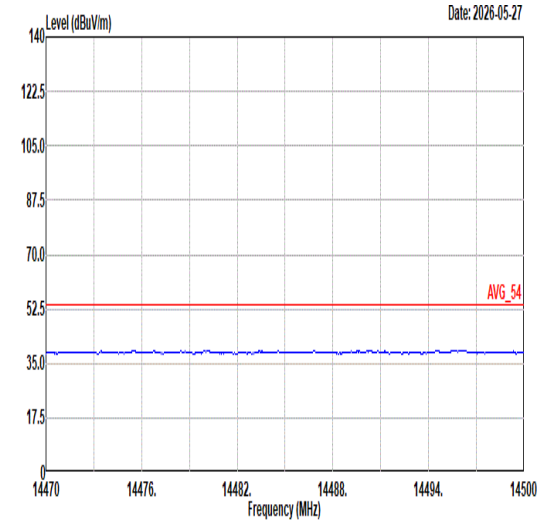
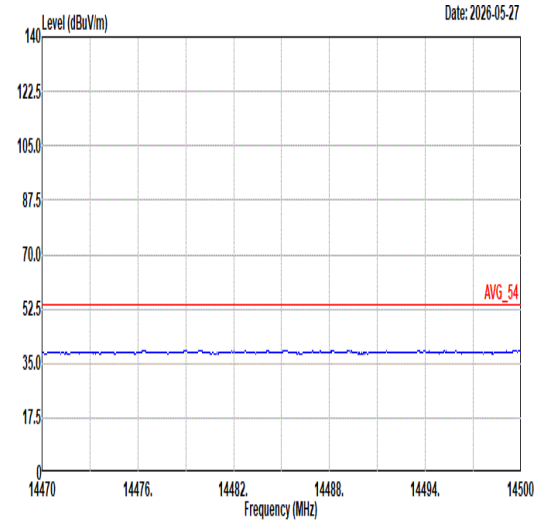
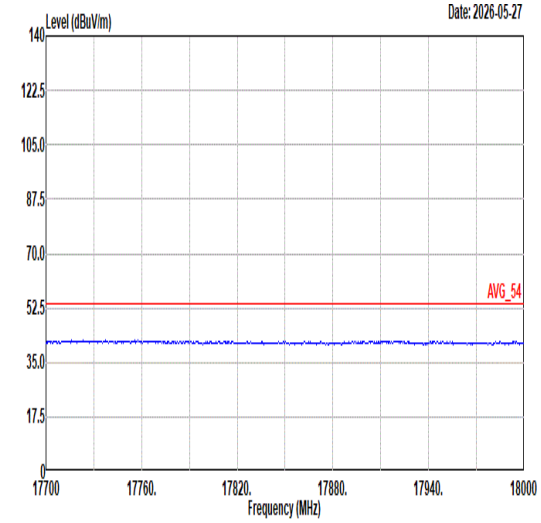
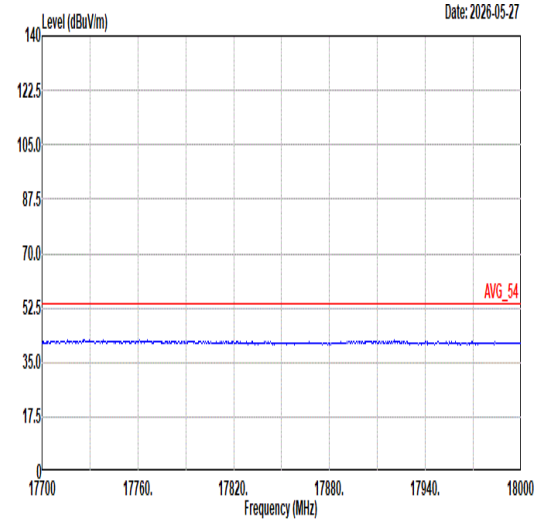
Remark: In the left figure, points 1 and 2 are the noise floor

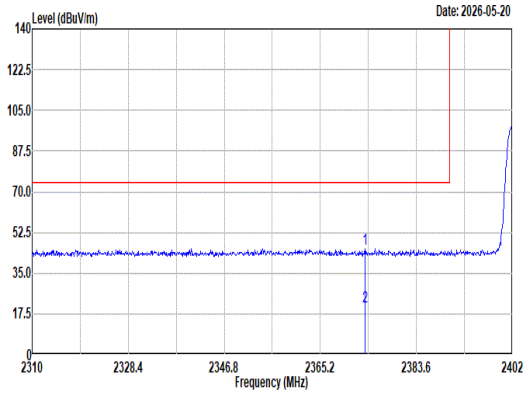
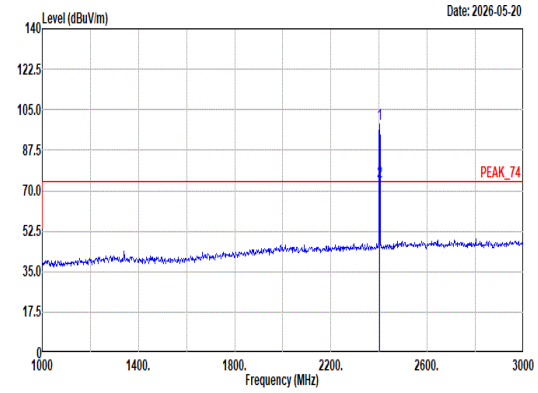
Mode	6	
	Band Edge	
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz	
ANT	BT1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2494.78 47.08 74.00 -26.92 40.02 32.85 8.87 34.66 0.00 101 225 Peak 2 2494.78 22.30 54.00 -31.70 -- -- -- -- -- -- -- AVERAGE	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2480.00 103.00 ------ ------ 96.11 32.70 8.84 34.65 0.00 101 225 Peak 2 2480.00 78.22 ------ ------ -- -- -- -- -- -- -- Average

Remark: In the left figure, points 1 and 2 are the noise floor

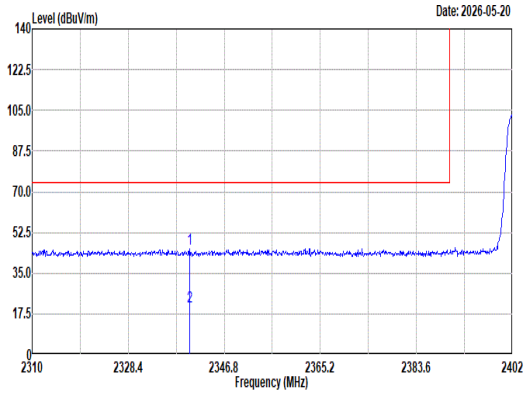
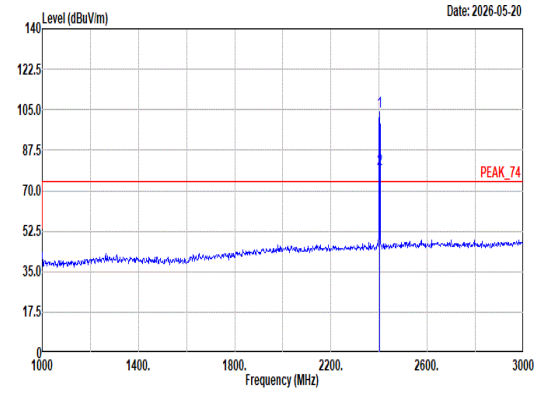
Mode	6	
	Harmonic	
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz	
ANT	BT1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4960.00 42.86 74.00 -31.14 52.82 34.54 12.50 57.88 0.88 -- -- Peak 2 7440.00 41.05 74.00 -32.95 47.17 36.00 15.03 58.07 0.92 -- -- Peak	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4960.00 42.37 74.00 -31.63 52.33 34.54 12.50 57.88 0.88 -- -- Peak 2 7440.00 42.47 74.00 -31.53 48.59 36.00 15.03 58.07 0.92 -- -- Peak

Remark: In the figure, points 1 and 2 are the noise floor

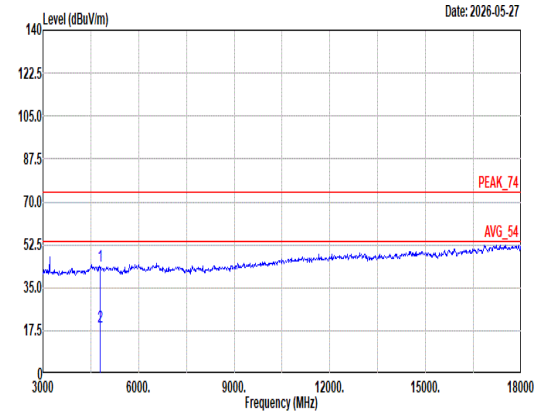
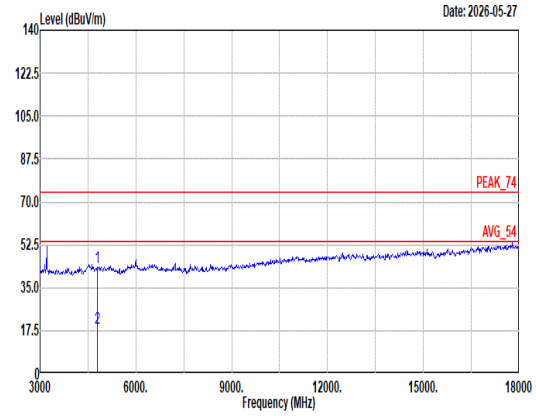
Mode	6	
	Harmonic	
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz	
ANT	BT1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 VERTICAL
17.7G ~18G Avg	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 VERTICAL

Mode	7	
	Band Edge	
	2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz	
ANT	BT1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2373.76 45.63 74.00 -28.37 39.47 32.10 8.64 34.58 0.00 400 4 Peak 2 2373.76 20.86 54.00 -33.14 -- -- -- -- -- -- -- AVERAGE	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2402.00 98.62 ------ ------ 92.41 32.12 8.69 34.60 0.00 400 4 Peak 2 2402.00 73.85 ------ ------ -- -- -- -- -- -- -- Average

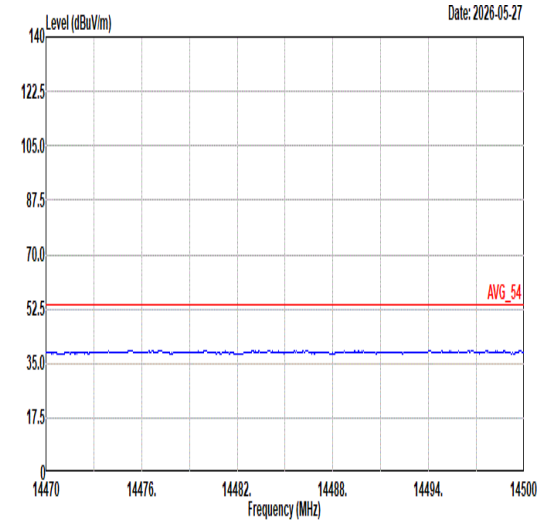
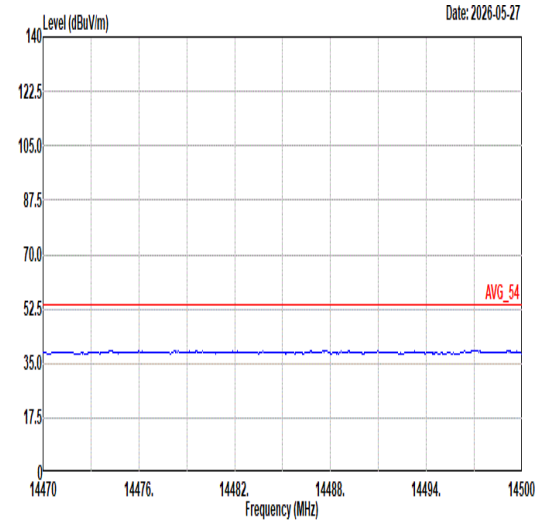
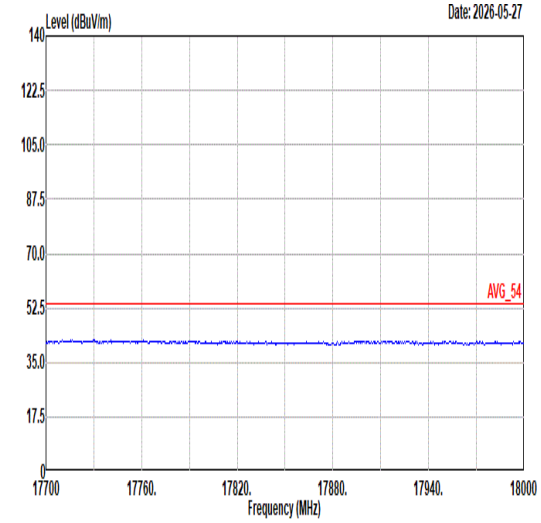
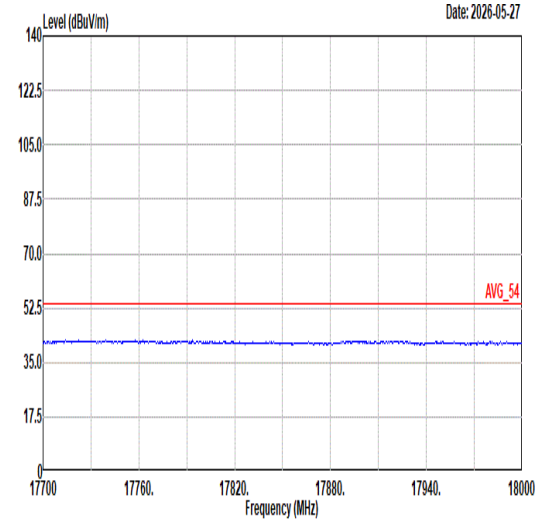
Remark: In the left figure, points 1 and 2 are the noise floor

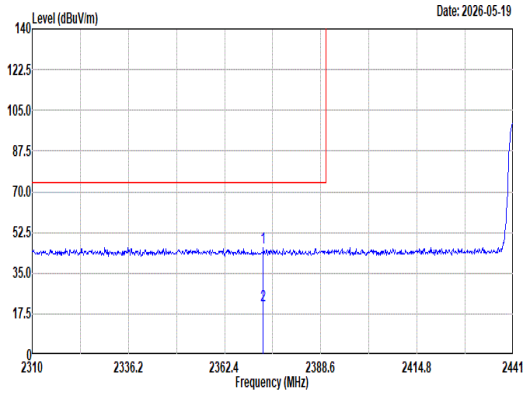
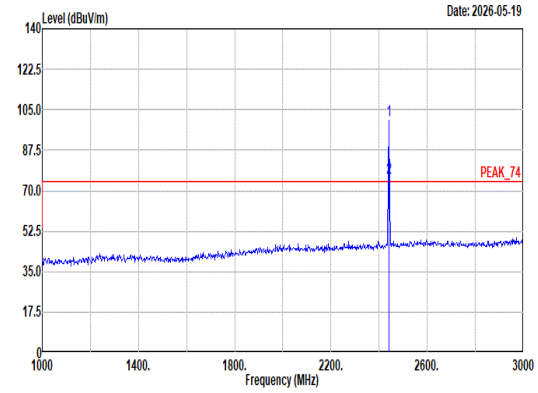
Mode	7	
	Band Edge	
	2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz	
ANT	BT1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : PEAK Mode : 7 Setting : Default Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2340.18 45.61 74.00 -28.39 39.48 32.10 8.59 34.56 0.00 104 226 Peak 2 2340.18 20.84 54.00 -33.16 -- -- -- -- -- -- -- AVERAGE	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : PEAK Mode : 7 Setting : Default Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2402.00 103.90 ------ ------ 97.69 32.12 8.69 34.60 0.00 104 226 Peak 2 2402.00 79.13 ------ ------ -- -- -- -- -- -- -- Average

Remark: In the left figure, points 1 and 2 are the noise floor

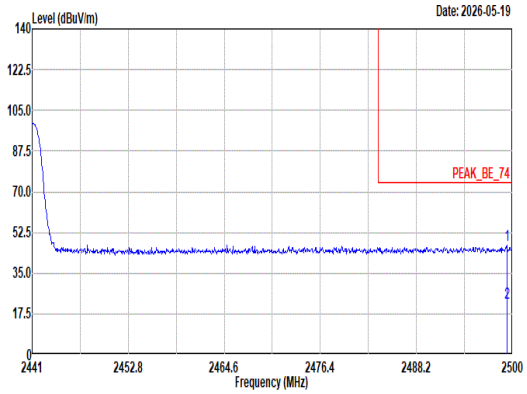
Mode	7	
	Harmonic	
	2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz	
ANT	BT1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4804.00 43.94 74.00 -30.06 54.33 34.50 12.31 58.10 0.90 -- -- Peak 2 4804.00 19.17 54.00 -34.83 -- -- -- -- -- -- -- Average	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4804.00 43.48 74.00 -30.52 53.87 34.50 12.31 58.10 0.90 -- -- Peak 2 4804.00 18.71 54.00 -35.29 -- -- -- -- -- -- -- Average

Remark: In the left figure, points 1 and 2 are the noise floor

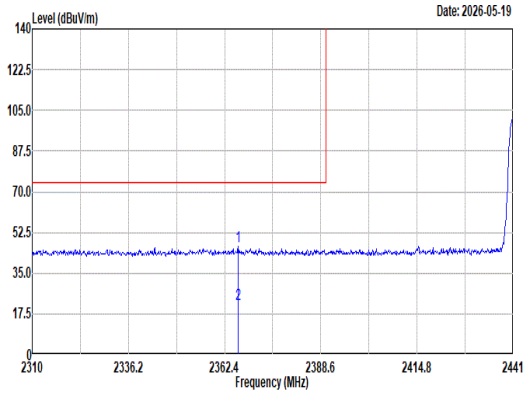
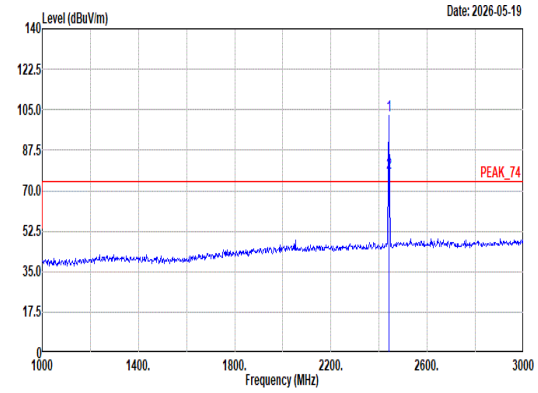
Mode	7	
	Harmonic	
	2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz	
ANT	BT1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 VERTICAL
17.7G ~18G Avg	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 VERTICAL

Mode	8	
	Band Edge - L	
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz	
ANT	BT1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2372.88 46.01 74.00 -27.99 39.85 32.10 8.64 34.58 0.00 394 215 Peak 2 2372.88 21.24 54.00 -32.76 -- -- -- -- -- -- -- AVERAGE	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2441.00 100.26 ------ ------ 93.72 32.40 8.76 34.62 0.00 394 215 Peak 2 2441.00 75.49 ------ ------ -- -- -- -- -- -- -- Average

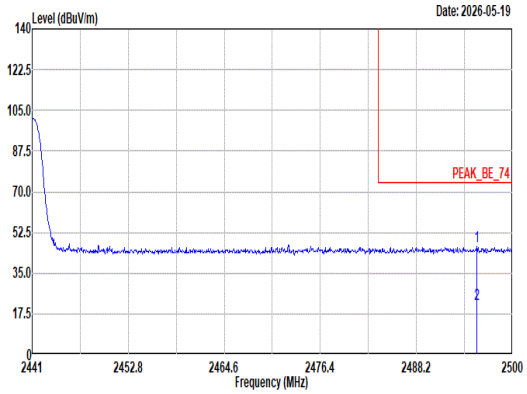
Remark: In the left figure, points 1 and 2 are the noise floor

Mode	8	
	Band Edge - R	
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz	
ANT	BT1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2499.29 47.04 74.00 -26.96 39.94 32.89 8.87 34.66 0.00 394 215 Peak 2 2499.29 22.27 54.00 -31.73 -- -- -- -- -- -- -- AVERAGE	Blank

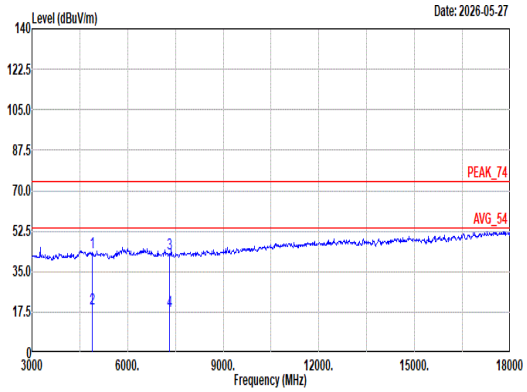
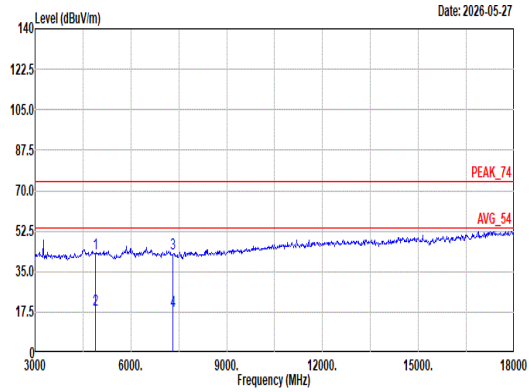
Remark: In the left figure, points 1 and 2 are the noise floor

Mode	8	
	Band Edge - L	
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz	
ANT	BT1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2366.07 46.39 74.00 -27.61 40.19 32.14 8.63 34.57 0.00 100 86 Peak 2 2366.07 21.62 54.00 -32.38 -- -- -- -- -- -- -- AVERAGE	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2441.00 102.45 ------ ------ 95.91 32.40 8.76 34.62 0.00 100 86 Peak 2 2441.00 77.68 ------ ------ -- -- -- -- -- -- -- Average

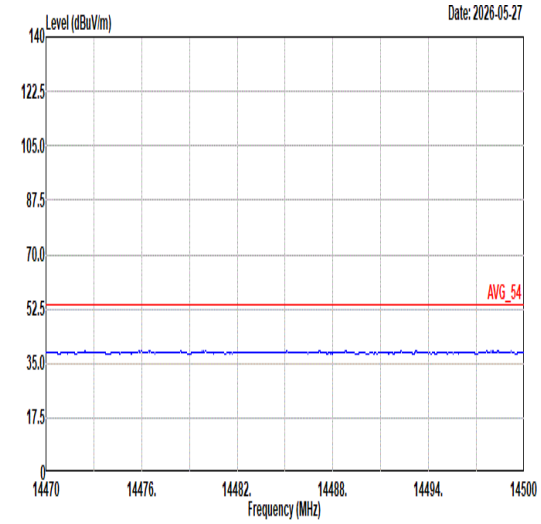
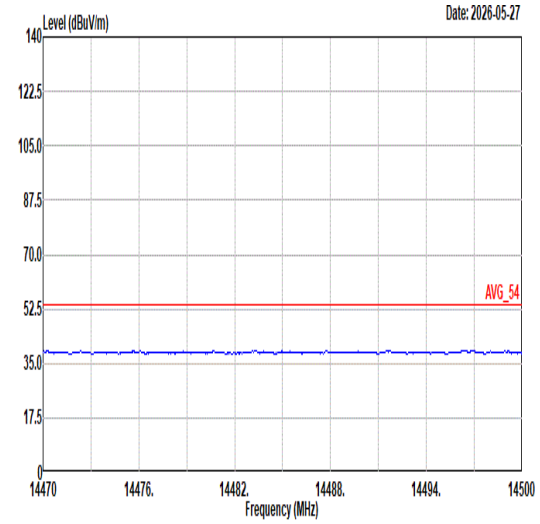
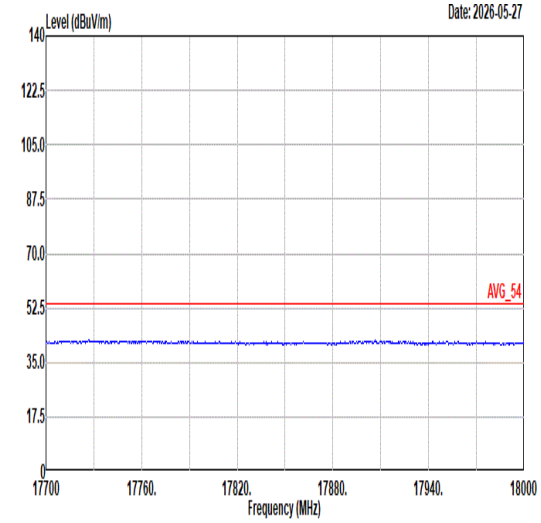
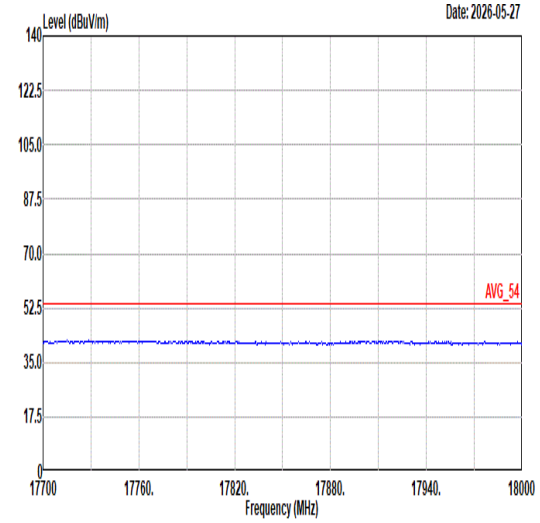
Remark: In the left figure, points 1 and 2 are the noise floor

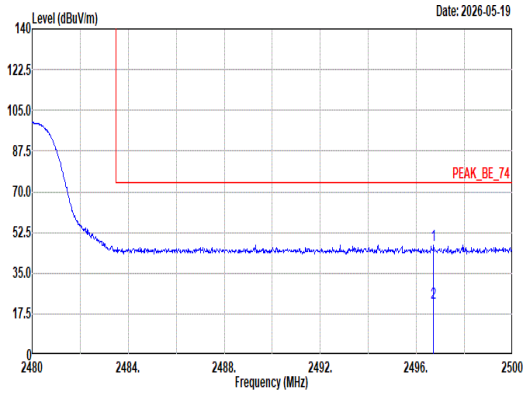
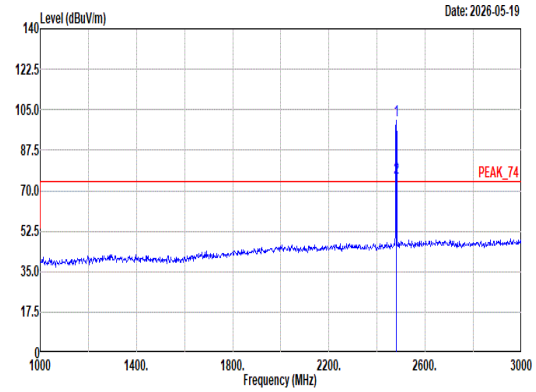
Mode	8	
	Band Edge - R	
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz	
ANT	BT1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2495.63 46.45 74.00 -27.55 39.38 32.86 8.87 34.66 0.00 100 86 Peak 2 2495.63 21.68 54.00 -32.32 -- -- -- -- -- -- -- AVERAGE	Blank

Remark: In the left figure, points 1 and 2 are the noise floor

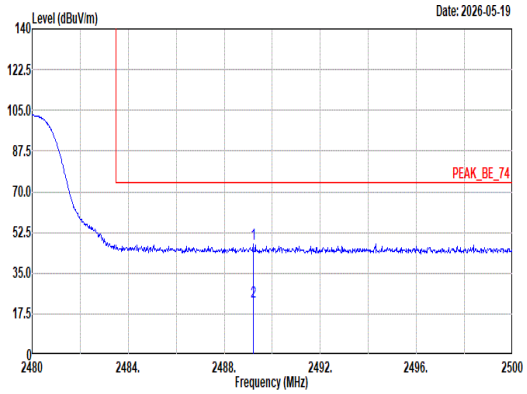
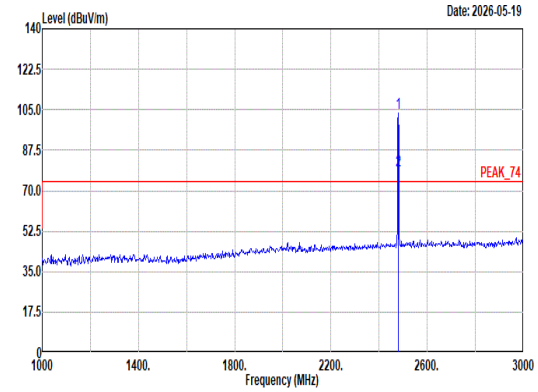
Mode	8	
	Harmonic	
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz	
ANT	BT1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4882.00 43.58 74.00 -30.42 53.83 34.44 12.41 57.99 0.89 -- -- Peak 2 4882.00 18.81 54.00 -35.19 -- -- -- -- -- -- -- Average 3 7323.00 42.88 74.00 -31.12 48.86 36.00 14.94 57.87 0.95 -- -- Peak 4 7323.00 18.11 54.00 -35.89 -- -- -- -- -- -- -- Average	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4882.00 43.00 74.00 -31.00 53.25 34.44 12.41 57.99 0.89 -- -- Peak 2 4882.00 18.23 54.00 -35.77 -- -- -- -- -- -- -- Average 3 7323.00 42.81 74.00 -31.19 48.79 36.00 14.94 57.87 0.95 -- -- Peak 4 7323.00 18.04 54.00 -35.96 -- -- -- -- -- -- -- Average

Remark: In the figure, points 1 and 2 are the noise floor

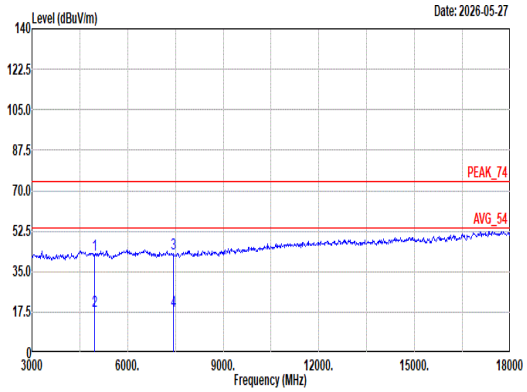
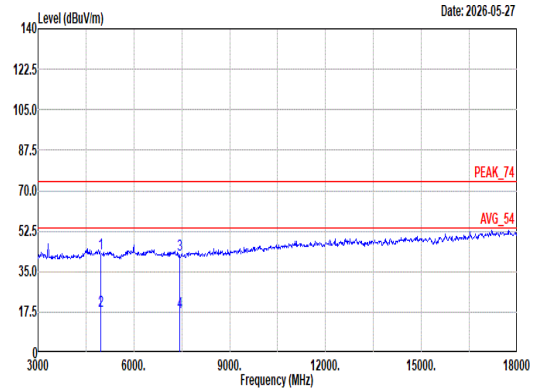
Mode	8	
	Harmonic	
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz	
ANT	BT1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 VERTICAL
17.7G ~18G Avg	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition: AVG_54 3m HF_ANT_00075962 VERTICAL

Mode	9	
	Band Edge	
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz	
ANT	BT1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2496.72 47.07 74.00 -26.93 39.99 32.87 8.87 34.66 0.00 337 357 Peak 2 2496.72 22.30 54.00 -31.70 -- -- -- -- -- -- -- AVERAGE	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2480.00 100.34 ------ ------ 93.45 32.70 8.84 34.65 0.00 337 357 Peak 2 2480.00 75.57 ------ ------ -- -- -- -- -- -- -- Average

Remark: In the left figure, points 1 and 2 are the noise floor

Mode	9	
	Band Edge	
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz	
ANT	BT1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition: PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2489.20 47.46 74.00 -26.54 40.46 32.79 8.86 34.65 0.00 100 136 Peak 2 2489.20 22.69 54.00 -31.31 -- -- -- -- -- -- -- AVERAGE	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2480.00 103.55 ------ ------ 96.66 32.70 8.84 34.65 0.00 100 136 Peak 2 2480.00 78.78 ------ ------ -- -- -- -- -- -- -- Average

Remark: In the left figure, points 1 and 2 are the noise floor

Mode	9	
	Harmonic	
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz	
ANT	BT1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4960.00 42.51 74.00 -31.49 52.47 34.54 12.50 57.88 0.88 -- -- Peak 2 4960.00 17.74 54.00 -36.26 -- -- -- -- -- -- -- Average 3 7440.00 42.71 74.00 -31.29 48.83 36.00 15.03 58.07 0.92 -- -- Peak 4 7440.00 17.94 54.00 -36.06 -- -- -- -- -- -- -- Average	 Site : 03CH07-HY Condition: PEAK_74 3m HF_ANT_00075962 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4960.00 42.86 74.00 -31.14 52.82 34.54 12.50 57.88 0.88 -- -- Peak 2 4960.00 18.09 54.00 -35.91 -- -- -- -- -- -- -- Average 3 7440.00 42.29 74.00 -31.71 48.41 36.00 15.03 58.07 0.92 -- -- Peak 4 7440.00 17.52 54.00 -36.48 -- -- -- -- -- -- -- Average

Remark: In the figure, points 1 and 2 are the noise floor