



FCC RADIO TEST REPORT

FCC ID : A4RGE1GQ
Equipment : Phone
Brand Name : Google
Model Name : GE1GQ
Applicant : Google LLC
1600 Amphitheatre Parkway,
Mountain View, CA, 94043 USA
Standard : FCC Part 15 Subpart C §15.247

The product was received on May 12, 2025 and testing was performed from May 21, 2025 to Oct. 07, 2025. We, Sporton International Inc. Wensan 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. Wensan Laboratory, the test report shall not be reproduced except in full.

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory



No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issue Date
FR550731K	01	Initial issue of report	Sep. 16, 2025
FR550731K	02	Revise section 2.2, section 3, section 4, Appendix A and Appendix E. This report is an updated version, replacing the report issued on Sep. 16, 2025.	Oct. 07, 2025
FR550731K	03	Revised equipment list	Oct. 09, 2025
FR550731K	04	Revise section 2.2 and Appendix B.	Oct. 20, 2025

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.247(a)(1)	Number of Channels	Pass	-
3.2	15.247(a)(1)	Hopping Channel Separation	Pass	-
3.3	15.247(a)(1)	Dwell Time of Each Channel	Pass	-
3.4	15.247(a)(1)	20dB Bandwidth	Pass	-
3.4	2.1049	99% Occupied Bandwidth	Pass	-
3.5	15.247(b)(1) 15.247(b)(4)	Peak Output Power	Pass	-
3.6	15.247(d)	Conducted Band Edges	Pass	-
3.7	15.247(d)	Conducted Spurious Emission	Pass	-
3.8	15.247(d)	Radiated Band Edges and Radiated Spurious Emission	Pass	
3.9	15.207	AC Conducted Emission	Pass	
3.10	15.203	Antenna Requirement	Pass	

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Steve Chen

Report Producer: Shiori Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature		
General Specs GSM/WCDMA/LTE/5G NR/NTN, Bluetooth, BLE, BLE channel sounding, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, Wi-Fi 6GHz 802.11a/ax, NFC, WPC Rx, and GNSS.		
Antenna Type Bluetooth: <Ant. 3>: IFA Antenna <Ant. 4>: IFA Antenna		
EUT Information List		
S/N	Performed Test Item	
54181JEA300022	RF Conducted Measurement	
56141JEA302762 56141JEA302828	Radiated Spurious Emission	
56141JEA302747	Conducted Emission	
Antenna information		
2400 MHz ~ 2483.5 MHz	Peak Gain (dBi)	<Ant.3>: 0.5 <Ant.4>: -3.2

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 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

Note: The test site complies with ANSI C63.4 2014 requirement.



1.4 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 Part 15 Subpart C §15.247
- ♦ ANSI C63.10-2020

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

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: conduction emission (150 kHz to 30 MHz), 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 adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.

The worst-case orientation set for final test is listed as below:

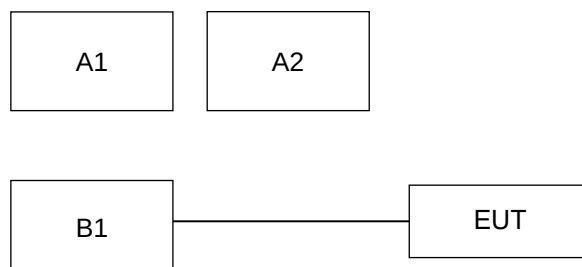
Modulation	Ant	Data Rate	orientation
BLE CS ASK	3	1Mbps	Z with Adapter
	3	2Mbps	Z with Adapter
	4	1Mbps	X with Adapter
	4	2Mbps	X with Adapter

- b. AC power line Conducted Emission was tested under maximum output power.

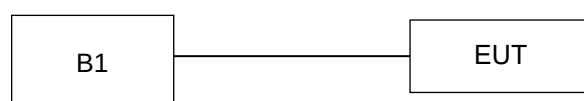
The following summary table is showing all test modes to demonstrate in compliance with the standard.

Summary table of Test Cases		
Test Item	Data Rate / Modulation	
Conducted Test Cases	Bluetooth LE 1Mbps CS ASK	Bluetooth LE 2Mbps CS ASK
	Mode 1: CH02_2404 MHz	Mode 4: CH02_2404 MHz
	Mode 2: CH38_2440 MHz	Mode 5: CH38_2440 MHz
	Mode 3: CH76_2478 MHz	Mode 6: CH76_2478 MHz
AC Conducted Emission	Mode 1: WLAN2.4GHz Link + Bluetooth Link + MPEG4	
Remark: 1. For Radiated Test Cases, the tests were performed with USB Cable 1. 2. During the preliminary test, both charging modes (Adapter mode and WPT Charging mode) were verified. It is determined that the adaptor mode is the worst case for official test. 3. For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power. 4. The detailed Radiated test modes are shown in Appendix C.		

2.3 Connection Diagram of Test System



Conduction Test Setup									
No.	Wireless Station	Connection Type	Test Mode						
			1	-	-	-	-	-	-
A1	BT Earphone	Bluetooth	X	-	-	-	-	-	-
A2	AP router	WiFi	X	-	-	-	-	-	-
No.	Power Source	Connection Type	1	-	-	-	-	-	-
B1	AC : 120V/60Hz	AC Power Cable	X	-	-	-	-	-	-



Radiation Test Setup									
No.	Power Source	Connection Type	Test Mode						
			TX	-	-	-	-	-	-
B1	AC : 110V/60Hz	AC Power Cable	X	-	-	-	-	-	-

2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8m
2.	Bluetooth Earphone	Google	G1007/G1008	A4RG1007/ A4RG1008	N/A	N/A
3.	Adapter	Google	GW8L7	N/A	N/A	N/A



2.5 EUT Operation Test Setup

The RF test items, utility “BT_DUT_Control_GUI” 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.

2.6 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.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)}\end{aligned}$$

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.

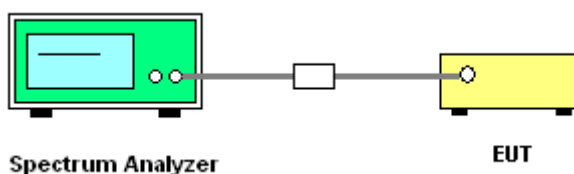
3.1.2 Measuring Instruments

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

3.1.3 Test Procedure

1. The testing follows ANSI C63.10-2013 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; VBW $\geq$ RBW; Sweep = auto; 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.

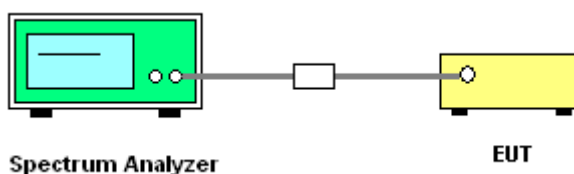
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

1. The testing follows ANSI C63.10-2013 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; VBW $\geq$ RBW; Sweep = auto; 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.

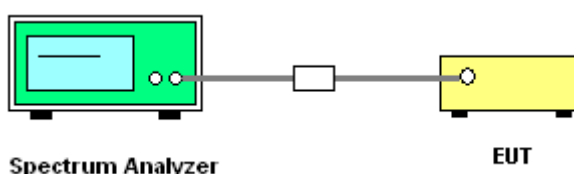
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

1. The testing follows ANSI C63.10-2013 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 $\geq$ 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

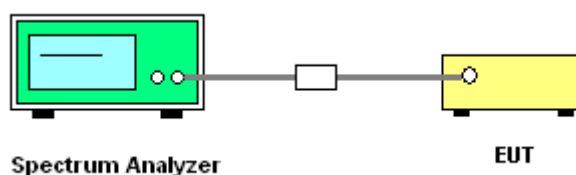
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

1. The testing follows ANSI C63.10-2013 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 $\geq 1\%$ of the 20 dB bandwidth; VBW $\geq$ 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 within 1-5% of the 99% bandwidth; VBW $\geq 3 * \text{RBW}$; 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.

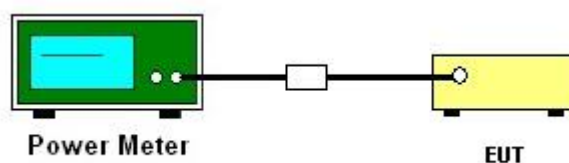
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

1. The testing follows ANSI C63.10-2013 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. The average power is compensated with duty factor.
6. Record the results in the test report.

3.5.4 Test Setup



3.5.5 Test Result of Peak Output Power

Please refer to Appendix A.

3.5.6 Test Result of Average Output Power (Reporting Only)

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.

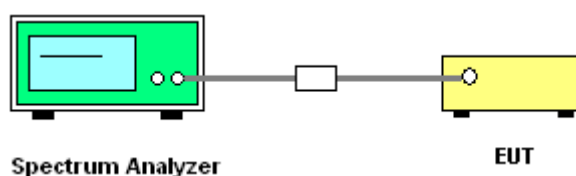
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

1. The testing follows ANSI C63.10-2013 clause 7.8.6.
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.

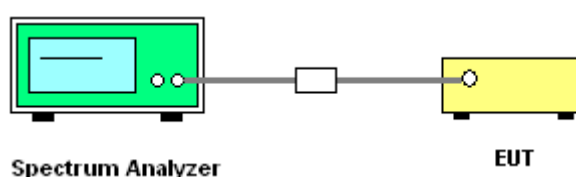
3.7.2 Measuring Instruments

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

3.7.3 Test Procedure

1. The testing follows ANSI C63.10-2013 clause 7.8.8.
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.

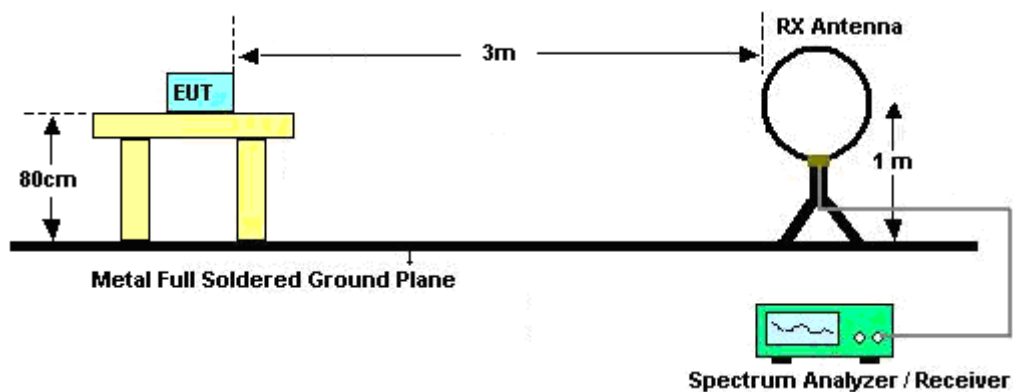


3.8.3 Test Procedures

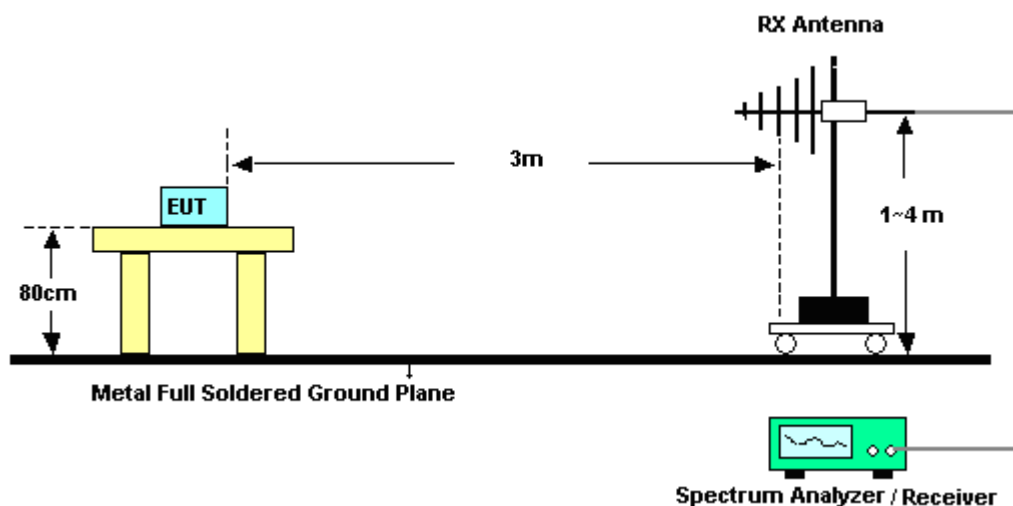
1. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
2. The EUT is set 3 meters away from the receiving antenna, which is mounted on the top of a variable height antenna tower.
3. For each suspected emission, the 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 $\geq$ RBW; Sweep = auto; Detector function = peak; Trace = max hold for peak
 - (3) For average measurement: Set RBW = 100 kHz for $f < 1$ GHz, RBW = 1 MHz for $f > 1$ GHz ; VBW $\geq$ 10Hz; Sweep = auto; Detector function = peak; Trace = max hold for average
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 “-”.

3.8.4 Test Setup

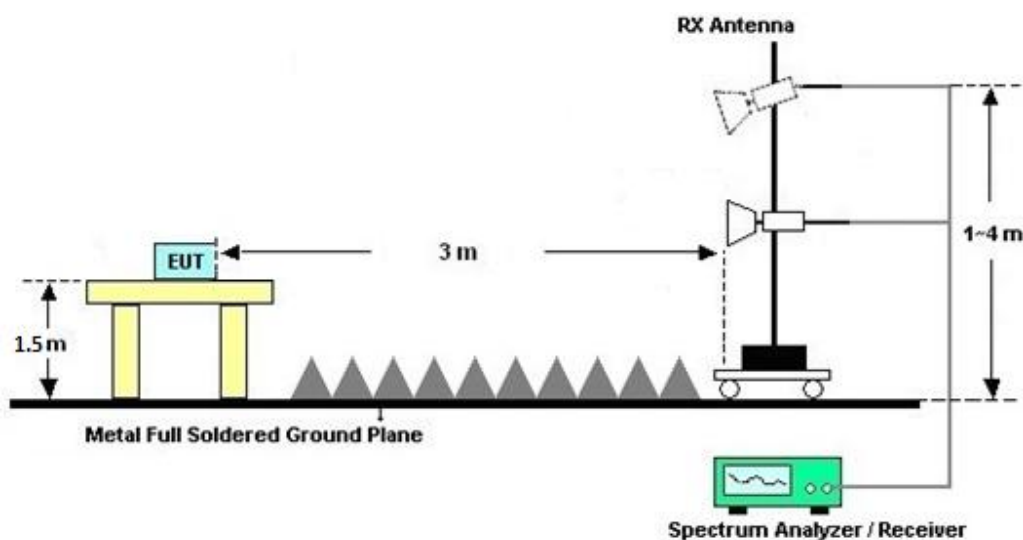
For radiated test below 30MHz



For radiated test from 30MHz to 1GHz

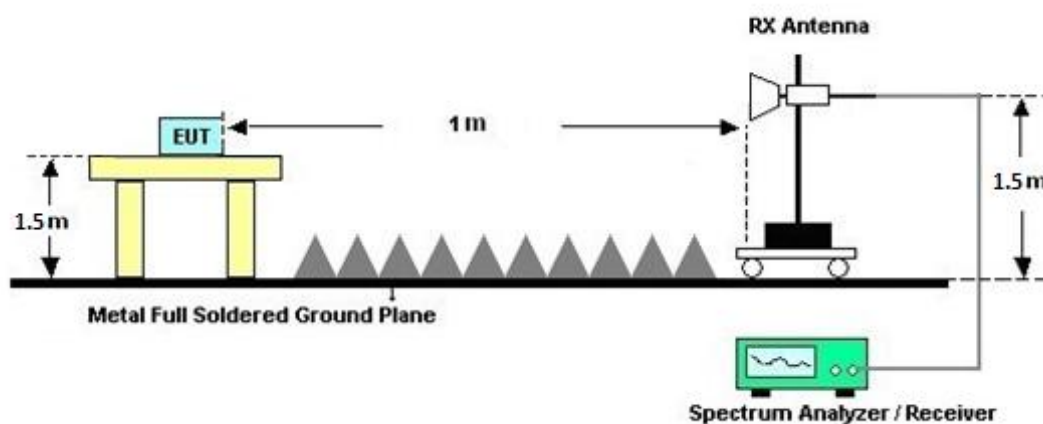


For radiated test from 1GHz to 18GHz





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 C.

3.8.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix C.

3.9 AC Conducted Emission Measurement

3.9.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

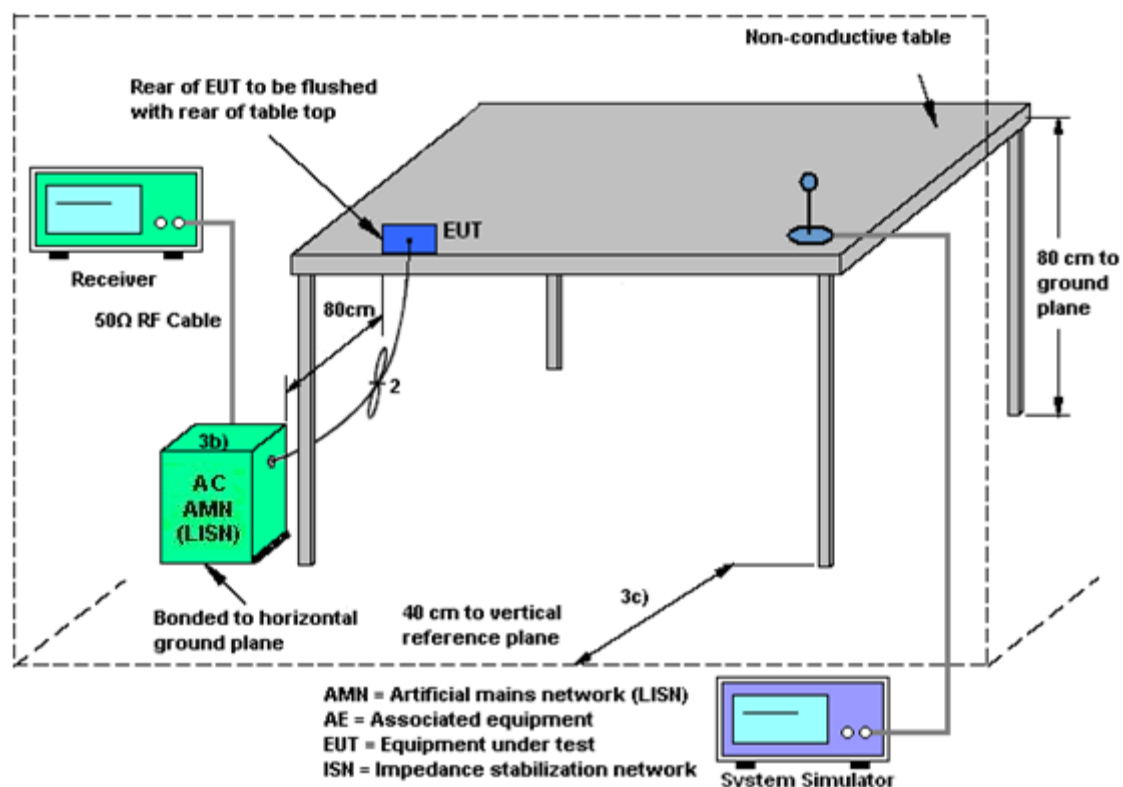
3.9.2 Measuring Instruments

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

3.9.3 Test Procedures

9. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is kept at least 80 centimeters from any other grounded conducting surface.
10. Connect EUT to the power mains through a line impedance stabilization network (LISN).
11. All the support units are connecting to the other LISN.
12. The LISN provides 50 ohm coupling impedance for the measuring instrument.
13. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
14. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
15. The frequency range from 150 kHz to 30 MHz is scanned.
16. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9 kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

3.9.4 Test Setup



3.9.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.10 Antenna Requirements

3.10.1 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.

3.10.2 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
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9kHz~30MHz	Aug. 29, 2024	Jul. 09, 2025~ Aug. 05, 2025	Aug. 28, 2025	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	1224	18GHz~40GHz	Oct. 25, 2024	Jul. 09, 2025~ Aug. 05, 2025	Oct. 24, 2025	Radiation (03CH16-HY)
Spectrum Analyzer	Keysight	N9010B	MY60241055	10Hz~44GHz	Jul. 19, 2024	Jul. 09, 2025~ Jul. 17, 2025	Jul. 18, 2025	Radiation (03CH16-HY)
Spectrum Analyzer	Keysight	N9010B	MY60240520	10Hz~44GHz	Dec. 09, 2024	Jul. 17, 2025~ Aug. 05, 2025	Dec. 08, 2025	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY57290111	3Hz~26.5GHz	Nov. 22, 2024	Jul. 09, 2025~ Aug. 05, 2025	Nov. 21, 2025	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N-06	47020 & 06	30MHz to 1GHz	Oct. 05, 2024	Jul. 09, 2025~ Aug. 05, 2025	Oct. 04, 2025	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1G~18GHz	Mar. 27, 2025	Jul. 09, 2025~ Aug. 05, 2025	Mar. 26, 2026	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jun. 30, 2025	Jul. 09, 2025~ Aug. 05, 2025	Jun. 29, 2026	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY57280120	1GHz~26.5GHz	Jan. 12, 2025	Jul. 09, 2025~ Aug. 05, 2025	Jan. 11, 2026	Radiation (03CH16-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Dec. 24, 2024	Jul. 09, 2025~ Aug. 05, 2025	Dec. 23, 2025	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	May 26, 2025	Jul. 09, 2025~ Aug. 05, 2025	May 25, 2026	Radiation (03CH16-HY)
Filter	Wainwright	WLK4-1000- 1530-8000- 40SS	SN17	1.53GHz Low Pass Filter	Jan. 14, 2025	Jul. 09, 2025~ Aug. 05, 2025	Jan. 13, 2026	Radiation (03CH16-HY)
Filter	Wainwright	WHKX12- 2700-3000- 18000-60ST	SN3	3GHz High Pass Filter	Jun. 26, 2025	Jul. 09, 2025~ Aug. 05, 2025	Jun. 25, 2026	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	Apr. 23, 2025	Jul. 09, 2025~ Aug. 05, 2025	Apr. 22, 2026	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102/SUCOFLEX X 104	EC-A5-300- 5757,805935/ 4,802434/4	30MHz~18GHz	Aug. 07, 2024	Jul. 09, 2025~ Aug. 05, 2025	Aug. 06, 2025	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	18-40GHz	Dec. 31, 2024	Jul. 09, 2025~ Aug. 05, 2025	Dec. 30, 2025	Radiation (03CH16-HY)
Software	Audix	E3 230621 V9	RK-002393	N/A	N/A	Jul. 09, 2025~ Aug. 05, 2025	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Jul. 09, 2025~ Aug. 05, 2025	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jul. 09, 2025~ Aug. 05, 2025	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jul. 09, 2025~ Aug. 05, 2025	N/A	Radiation (03CH16-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECEPIL	DTM-303A	TP201996	N/A	Nov. 01, 2024	May 22. 2025~ Jun. 25. 2025	Oct. 31, 2025	Conducted (TH05-HY)
Power Meter	Agilent	E4416A	GB41292344	N/A	Jun. 26, 2024	May 22. 2025~ Jun. 12. 2025	Jun. 25, 2025	Conducted (TH05-HY)
Power Meter	Agilent	E4416A	GB41292344	N/A	Jun. 13, 2025	May 13. 2025~ Jun. 25. 2025	Jun. 12, 2026	Conducted (TH05-HY)
Power Sensor	Agilent	E9327A	US40441548	50MHz~18GHz	Jun. 25, 2024	May 22. 2025~ Jun. 25. 2025	Jun. 24, 2025	Conducted (TH05-HY)
Power Sensor	Agilent	E9327A	US40441548	50MHz~18GHz	Jun. 13, 2025	May 22. 2025~ Jun. 25. 2025	Jun. 12, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 23, 2024	May 22. 2025~ Jun. 25. 2025	Aug. 22, 2025	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 29, 2025	Oct. 07. 2025	Aug. 28, 2026	Conducted (TH05-HY)
Switch Control Mainframe	E-Instument	ETF-1405-0	EC1900157 (BOX6)	N/A	Feb. 10, 2025	May 22. 2025~ Jun. 25. 2025	Feb. 09, 2026	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_ version_24051 3	N/A	Conducted Other Test Item	N/A	May 22. 2025~ Jun. 25. 2025	N/A	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jul. 04, 2025	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 10, 2024	Jul. 04, 2025	Dec. 09, 2025	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Oct. 14, 2024	Jul. 04, 2025	Oct. 13, 2025	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 14, 2024	Jul. 04, 2025	Nov. 13, 2025	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Jul. 04, 2025	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Jul. 30, 2024	Jul. 04, 2025	Jul. 29, 2025	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	MQT2408250 1	9KHz - 30MHz	Oct. 15, 2024	Jul. 04, 2025	Oct. 14, 2025	Conduction (CO05-HY)



5 Measurement Uncertainty

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.7 dB
--	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.5 dB
--	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9 dB
--	--------

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.3 dB
--	--------

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Willy Chang	Temperature:	21~25	°C
Test Date:	2025/5/22~2025/6/25	Relative Humidity:	51~54	%
Tool & Version	BT_DUT_Control_GUI			

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Willy Chang	Temperature:	21~25	°C
Test Date:	2025/5/22~2025/6/25	Relative Humidity:	51~54	%

<Ant 3>

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

Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	20dB BW (MHz)	99% Bandwidth (MHz)	Hopping Channel Separation Measurement (MHz)	Hopping Channel Separation Measurement Limit (MHz)	Pass/Fail
ASK	1Mbps	1	2	2404	0.122	0.290	0.999	0.0811	Pass
	1Mbps	1	38	2440	0.121	0.296	1.003	0.0804	Pass
	1Mbps	1	76	2478	0.121	0.294	0.999	0.0808	Pass
ASK	2Mbps	1	2	2404	0.118	0.311	1.012	0.0787	Pass
	2Mbps	1	38	2440	0.118	0.312	0.990	0.0787	Pass
	2Mbps	1	76	2478	0.118	0.313	0.994	0.0788	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
ASK 1Mbps	72	1770	0.043	0.077	0.4	Pass
ASK 2Mbps	72	1774	0.044	0.078	0.4	Pass

TEST RESULTS DATA**Peak Power Table**

DH	CH.	N _{TX}	Peak Power (dBm)	Power Limit (dBm)	Test Result
ASK 1Mbps	2	1	19.21	20.97	Pass
	38	1	20.14	20.97	Pass
	76	1	20.17	20.97	Pass
ASK 2Mbps	2	1	19.34	20.97	Pass
	38	1	20.40	20.97	Pass
	76	1	20.44	20.97	Pass

TEST RESULTS DATA**Average Power Table**
(Reporting Only)

DH	CH.	N _{TX}	Average Power (dBm)	Duty Factor (dB)
ASK 1Mbps	2	1	18.23	8.08
	38	1	19.18	8.08
	76	1	19.20	8.08
ASK 2Mbps	2	1	18.33	8.01
	38	1	19.33	8.01
	76	1	19.36	8.01

TEST RESULTS DATA**Number of Hopping Frequency**

Number of Hopping (Channel)	Adaptive Frequency Hopping (Channel)	Limits (Channel)	Pass/Fail
72	15	> 15	Pass

<Ant 4>

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
ASK	1Mbps	1	2	2404	0.122	0.292	0.994	0.0811	Pass
	1Mbps	1	38	2440	0.121	0.303	0.994	0.0805	Pass
	1Mbps	1	76	2478	0.122	0.295	1.012	0.0811	Pass
ASK	2Mbps	1	2	2404	0.118	0.303	0.999	0.0789	Pass
	2Mbps	1	38	2440	0.118	0.320	1.003	0.0788	Pass
	2Mbps	1	76	2478	0.119	0.310	0.994	0.0791	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
ASK 1Mbps	72	1766	0.043	0.076	0.4	Pass
ASK 2Mbps	72	1775	0.044	0.078	0.4	Pass

TEST RESULTS DATA**Peak Power Table**

DH	CH.	NTX	Peak Power (dBm)	Power Limit (dBm)	Test Result
ASK 1Mbps	2	1	19.69	20.97	Pass
	38	1	19.43	20.97	Pass
	76	1	19.91	20.97	Pass
ASK 2Mbps	2	1	20.15	20.97	Pass
	38	1	19.53	20.97	Pass
	76	1	19.97	20.97	Pass

TEST RESULTS DATA**Average Power Table
(Reporting Only)**

DH	CH.	NTX	Average Power (dBm)	Duty Factor (dB)
ASK 1Mbps	2	1	18.78	8.14
	38	1	18.38	8.14
	76	1	19.00	8.14
ASK 2Mbps	2	1	19.16	8.01
	38	1	18.59	8.01
	76	1	19.03	8.01

TEST RESULTS DATA**Number of Hopping Frequency**

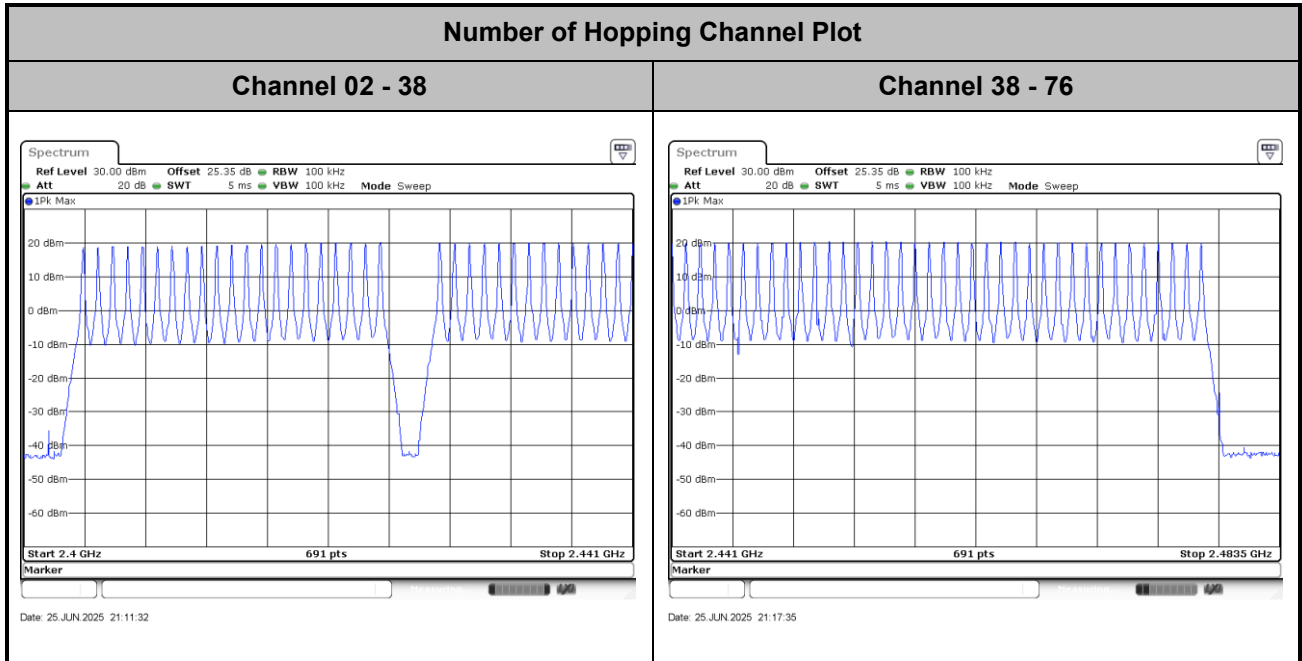
Number of Hopping (Channel)	Adaptive Frequency Hopping (Channel)	Limits (Channel)	Pass/Fail
72	15	> 15	Pass



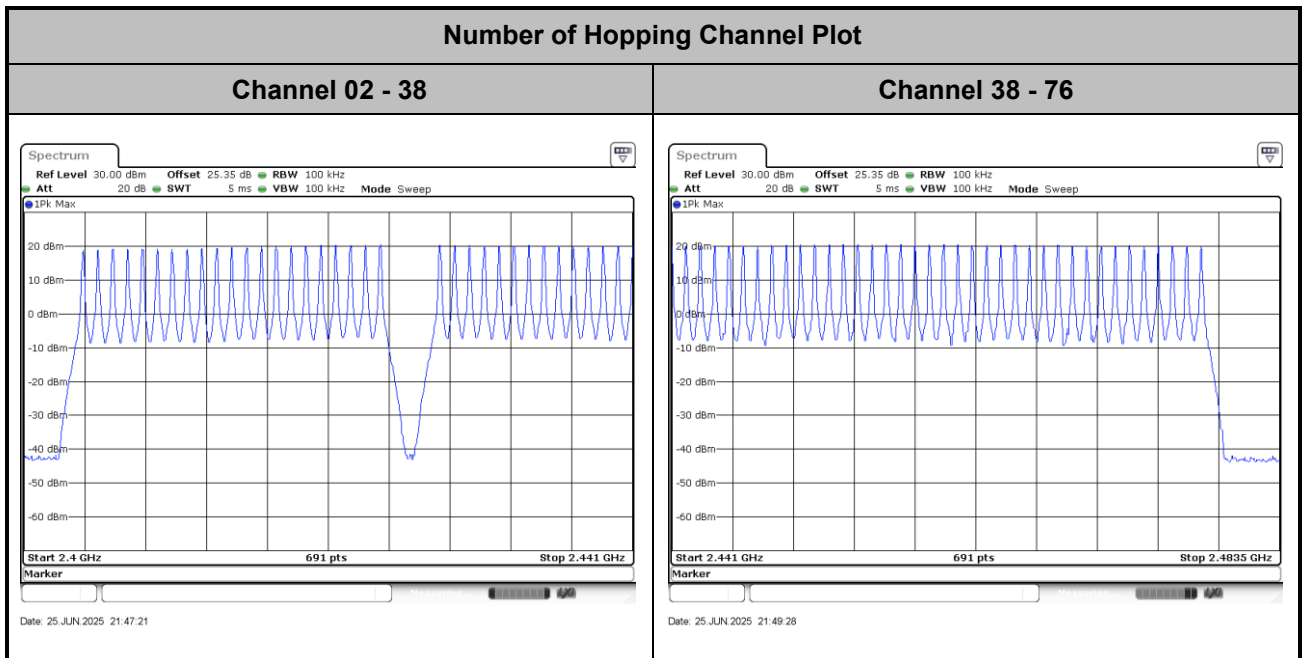
<Ant 3>

Number of Hopping Frequency

<1Mbps>



<2Mbps>

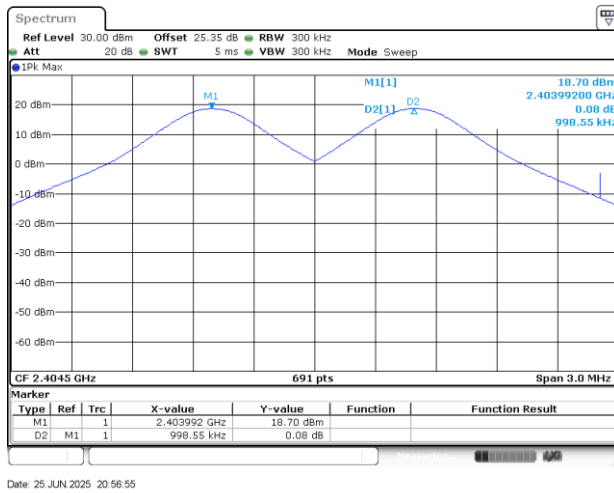




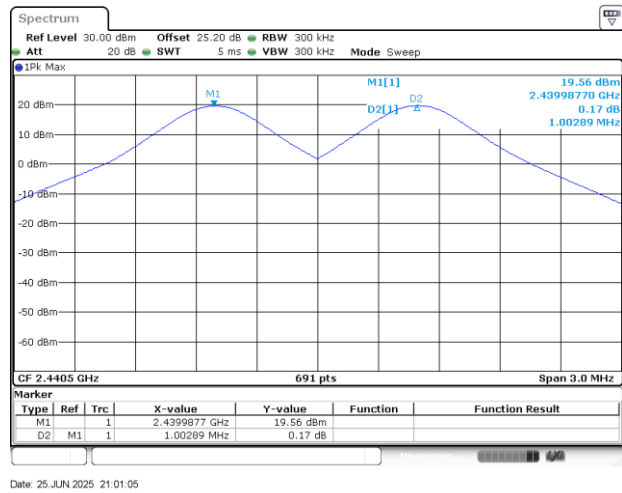
Hopping Channel Separation

<1Mbps>

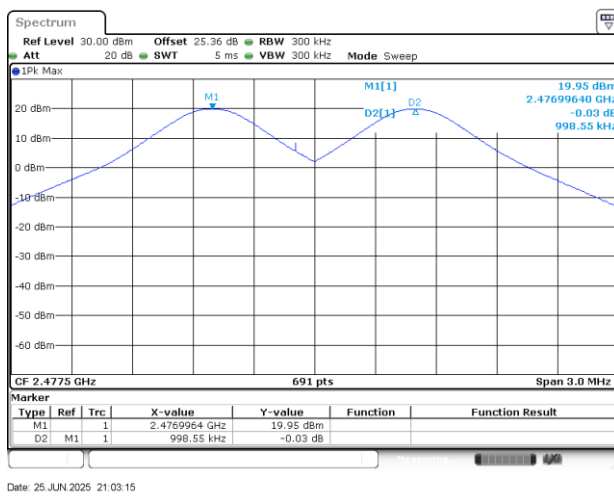
Channel Separation Plot on Channel 02 - 03



Channel Separation Plot on Channel 38 - 39



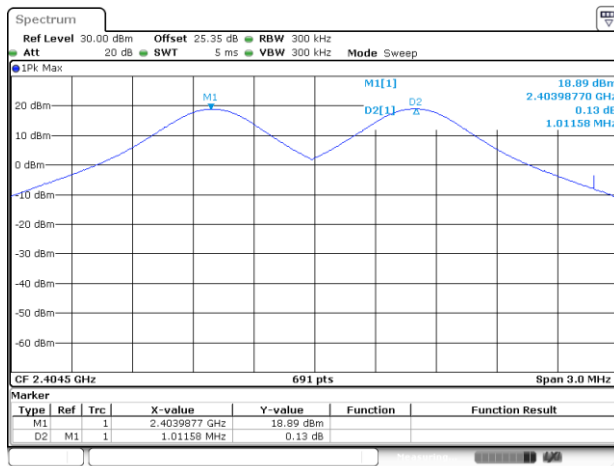
Channel Separation Plot on Channel 75 - 76



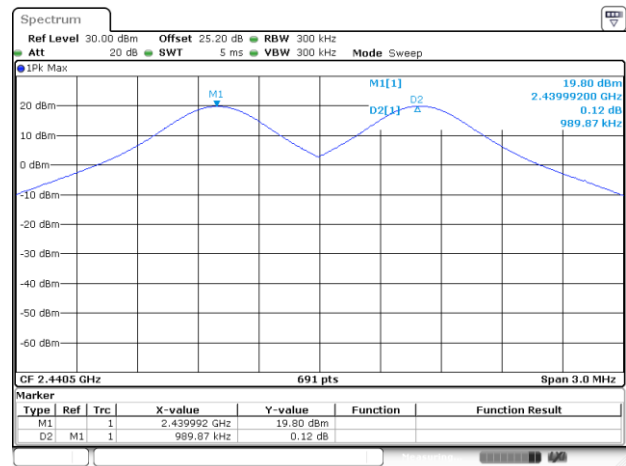


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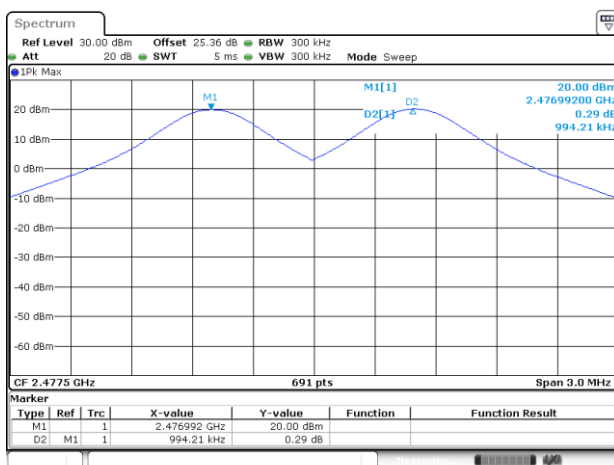
Channel Separation Plot on Channel 02 - 03



Channel Separation Plot on Channel 38 - 39

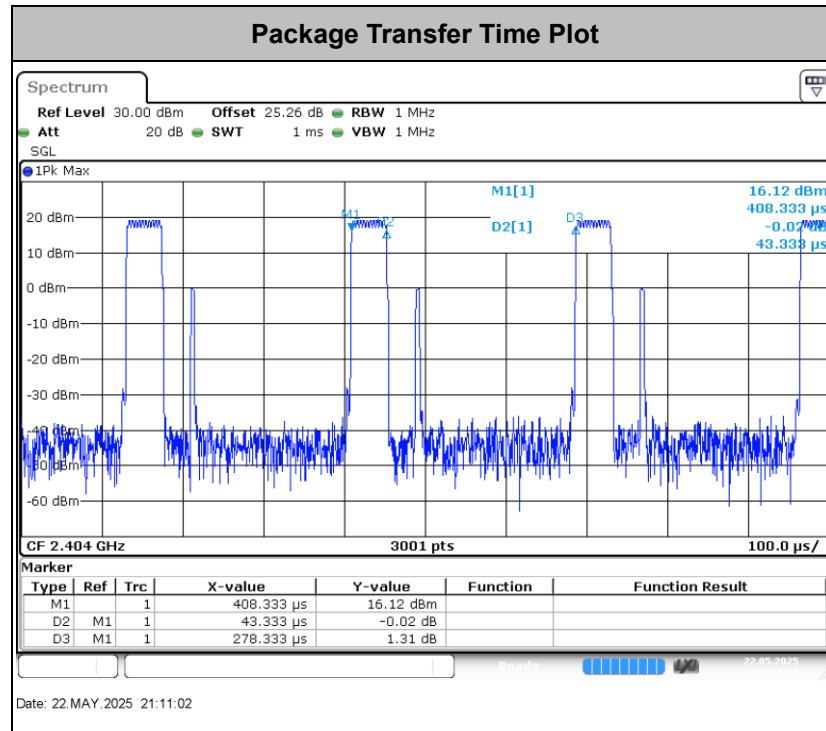


Channel Separation Plot on Channel 75 - 76



Dwell Time

<1Mbps>



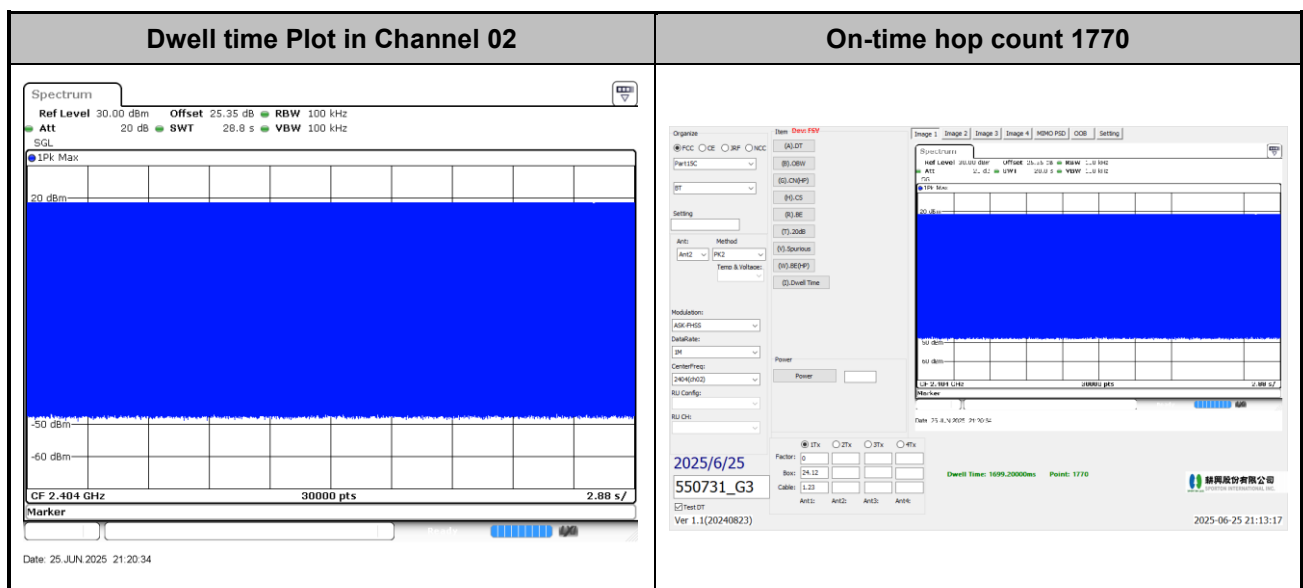
Remark:

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

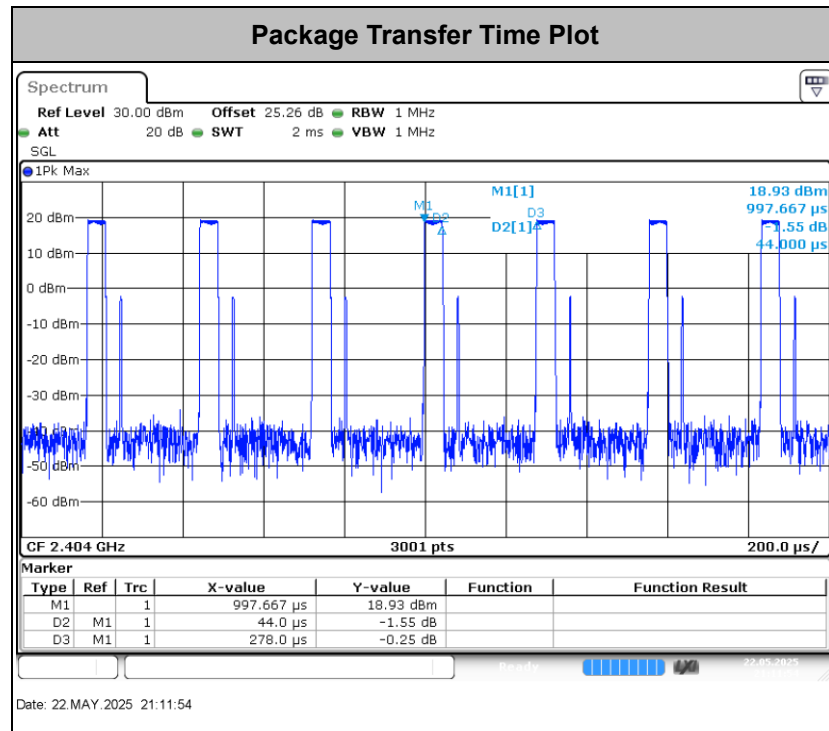
$$= 1770 \times 0.043 \text{ ms} = 0.077 \text{ sec}$$

2. The observation Occupancy time is hopping channel 72 channels x 400ms = 28.8sec using sweep point 30,000. This shows that 1ms per on-time contains 1 hop.

The total hops is finally counted via computer analysis.



<2Mbps>

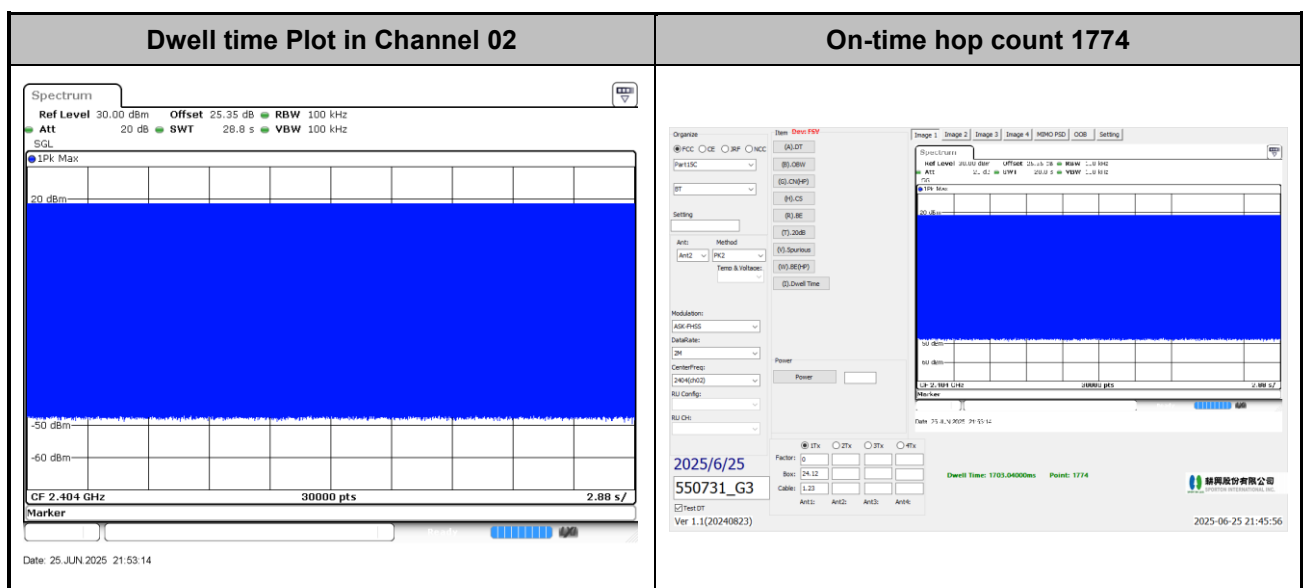
**Remark:**

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

$$= 1774 \times 0.044 \text{ ms} = 0.078 \text{ sec}$$

2. The observation Occupancy time is hopping channel 72 channels x 400ms = 28.8sec using sweep point 30,000. This shows that 1ms per on-time contains 1 hop.

The total hops is finally counted via computer analysis.

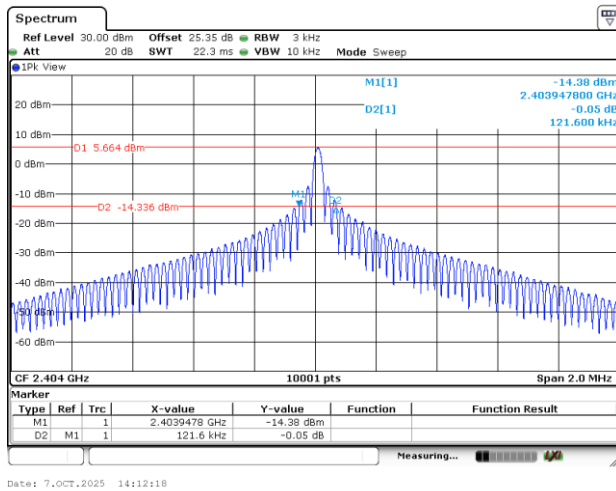




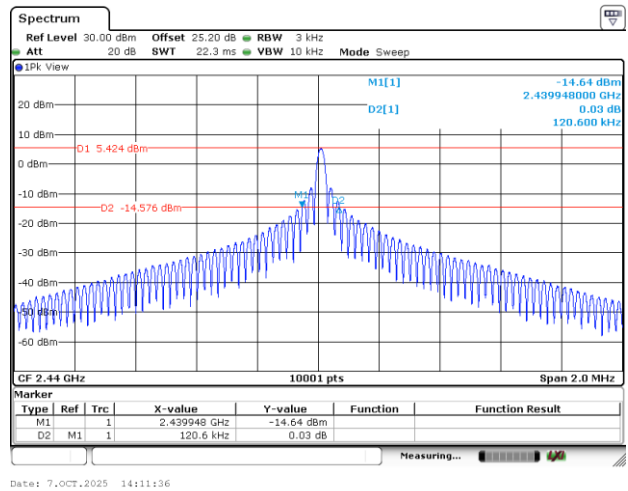
20dB Bandwidth

<1Mbps>

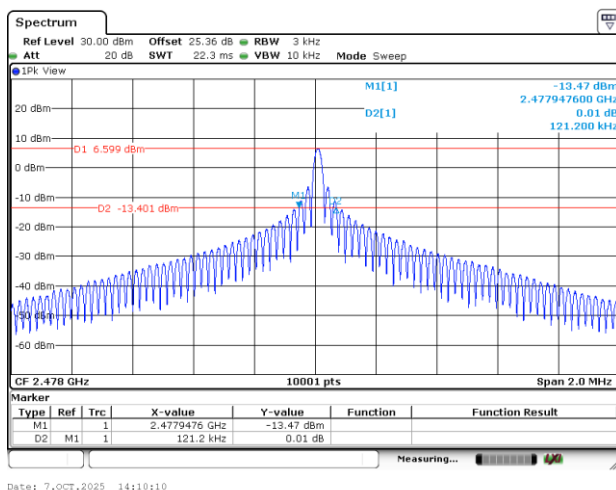
20 dB Bandwidth Plot in Channel 02



20 dB Bandwidth Plot in Channel 38



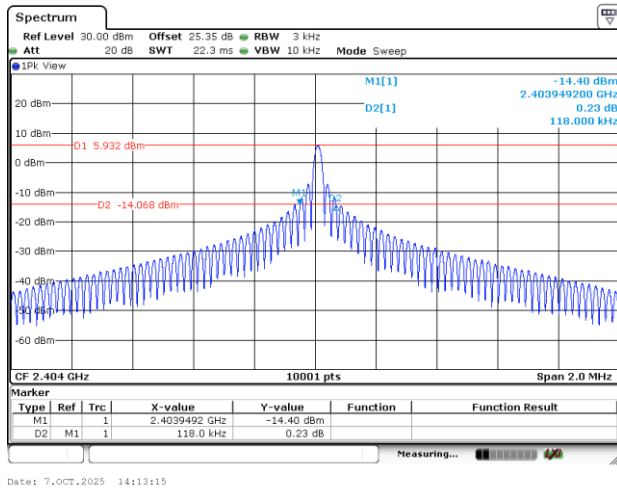
20 dB Bandwidth Plot in Channel 76



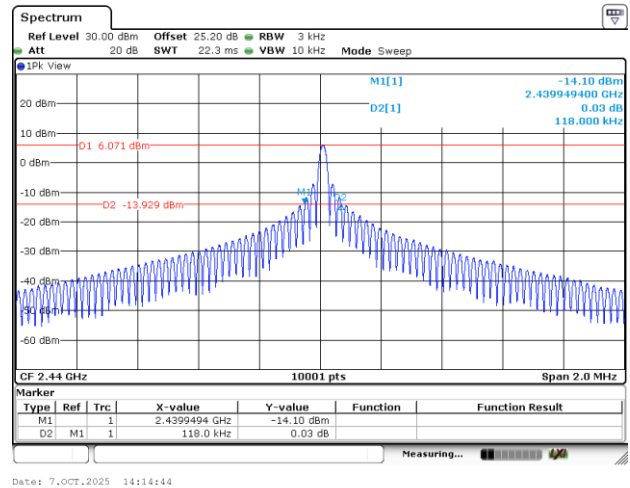


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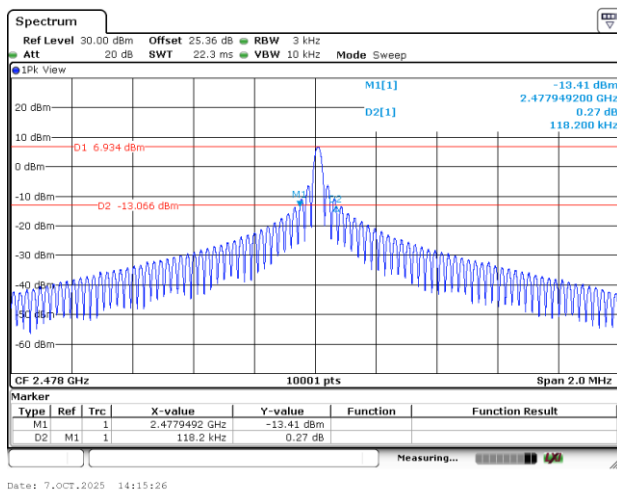
20 dB Bandwidth Plot in Channel 02



20 dB Bandwidth Plot in Channel 38



20 dB Bandwidth Plot in Channel 76

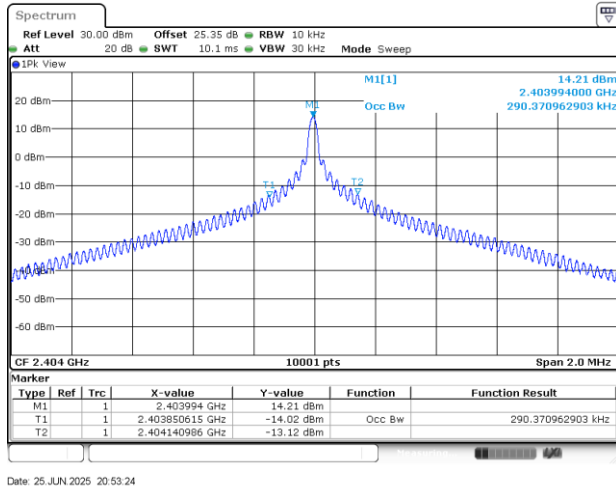




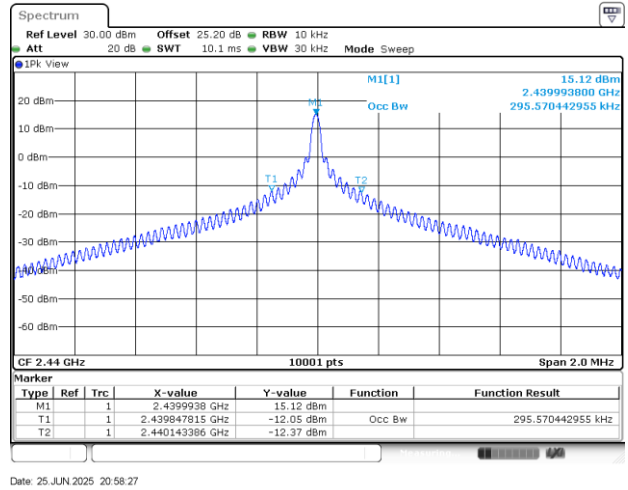
99% Occupied Bandwidth

<1Mbps>

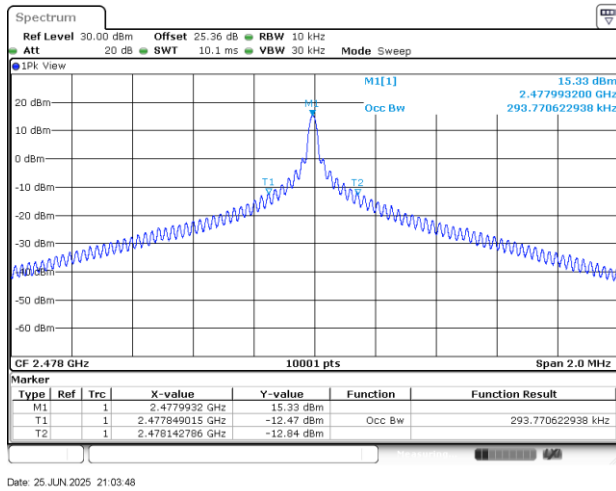
99% Occupied Bandwidth on Channel 02



99% Occupied Bandwidth on Channel 38



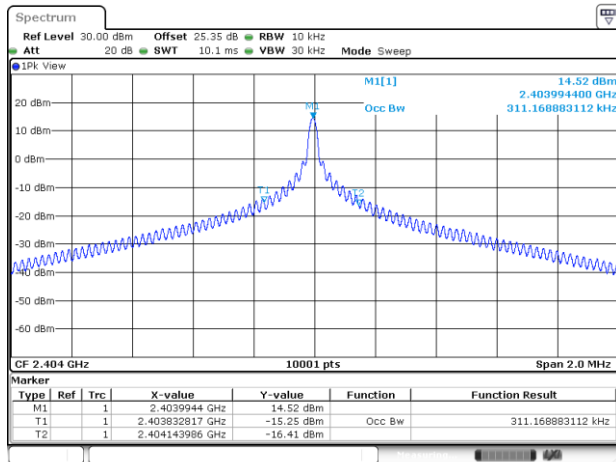
99% Occupied Bandwidth on Channel 76





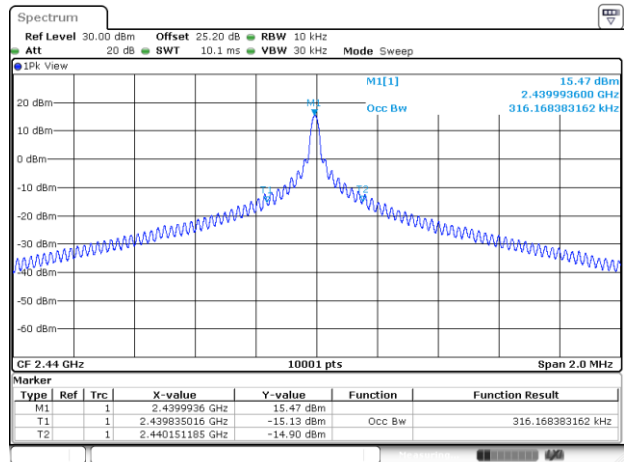
<2Mbps>

99% Occupied Bandwidth on Channel 02



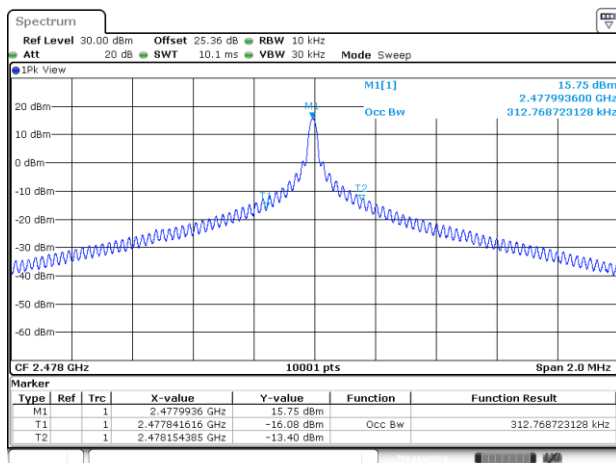
Date: 25 JUN 2025 21:23:35

99% Occupied Bandwidth on Channel 38



Date: 25 JUN 2025 21:27:28

99% Occupied Bandwidth on Channel 76

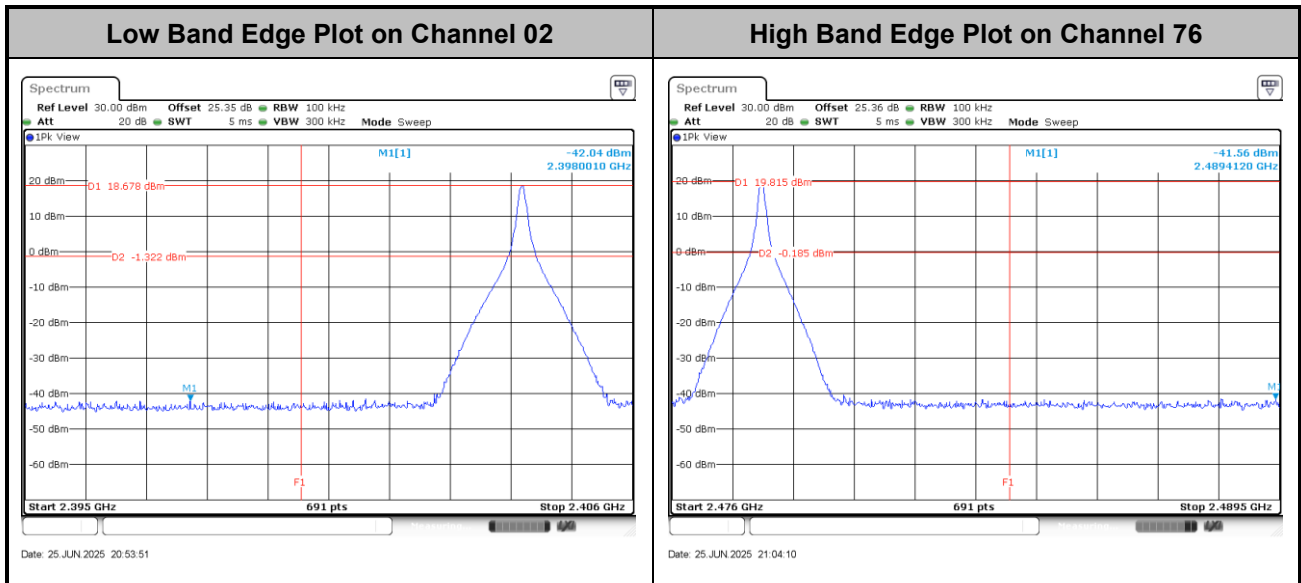


Date: 25 JUN 2025 21:31:33

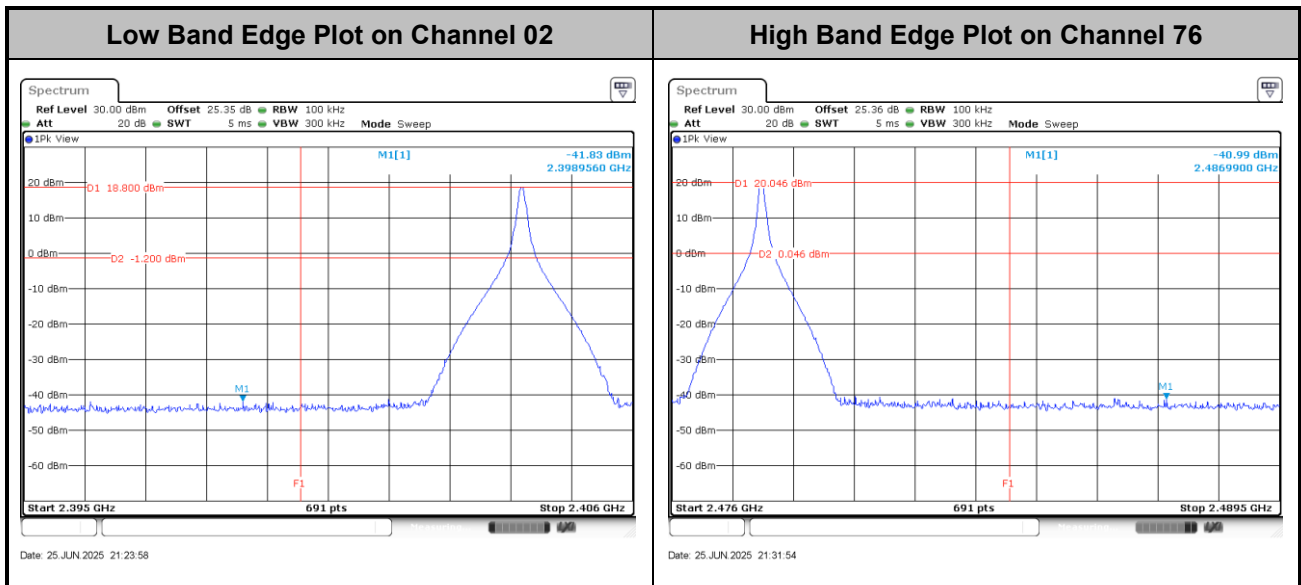


Band Edges

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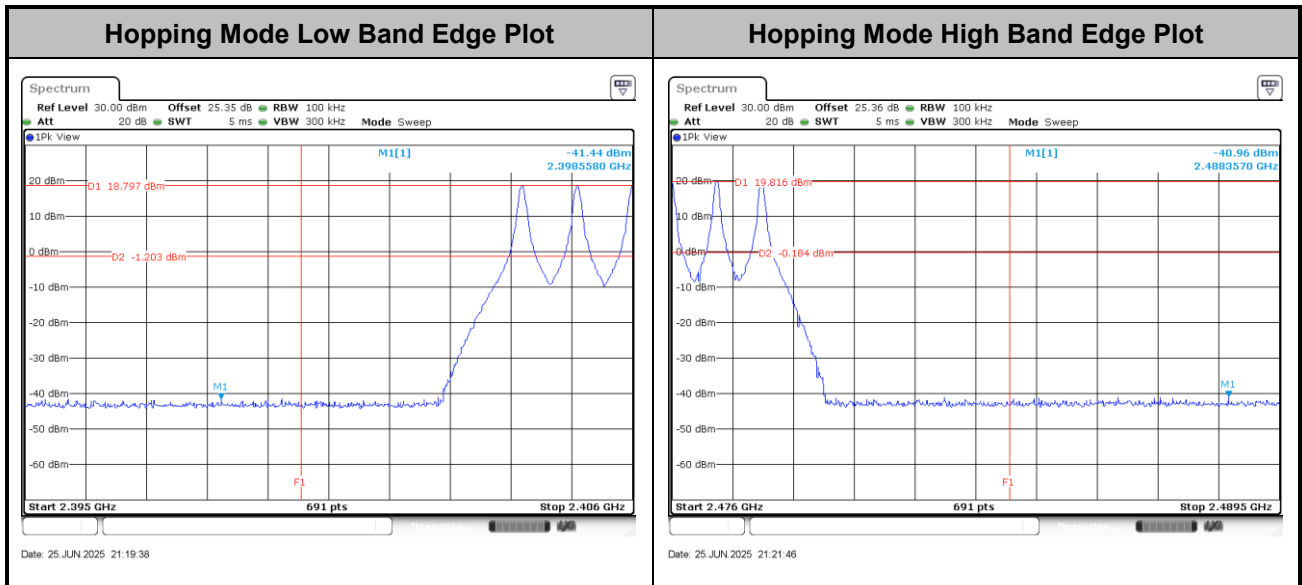
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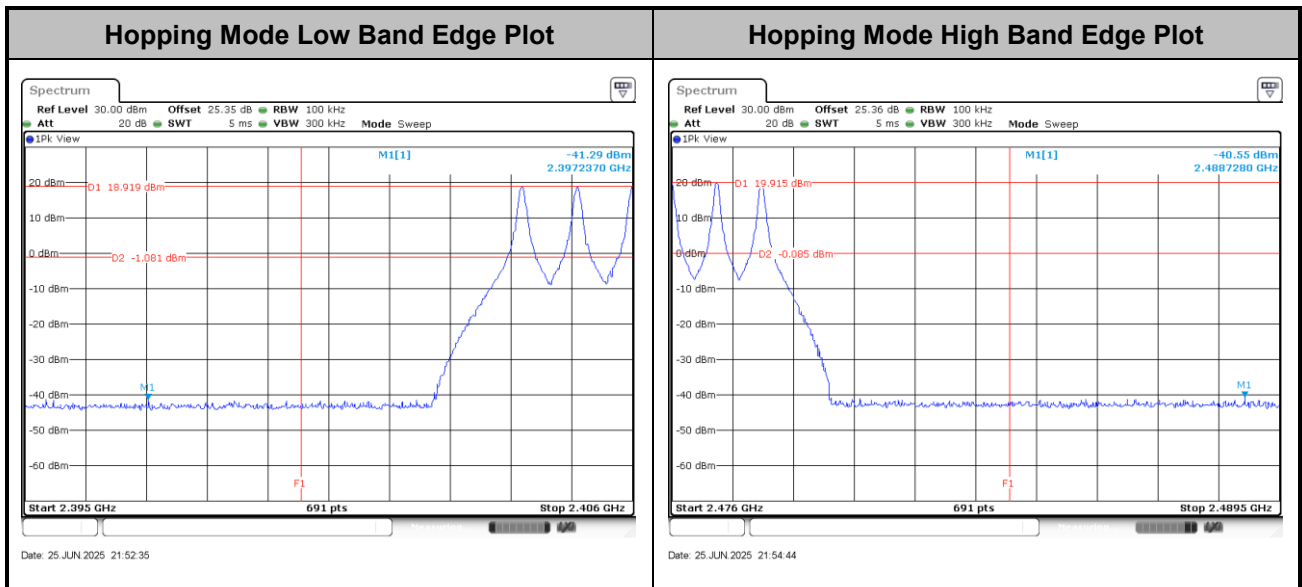


Hopping Mode Band Edges

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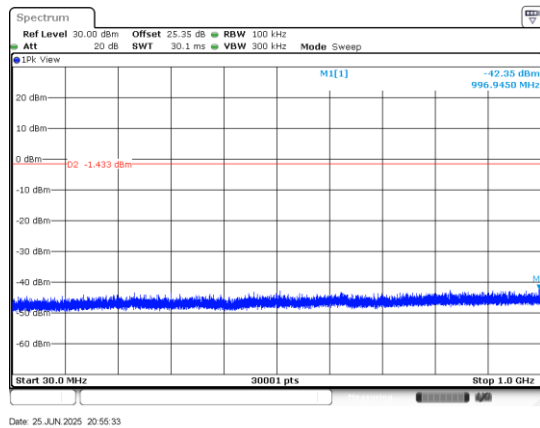
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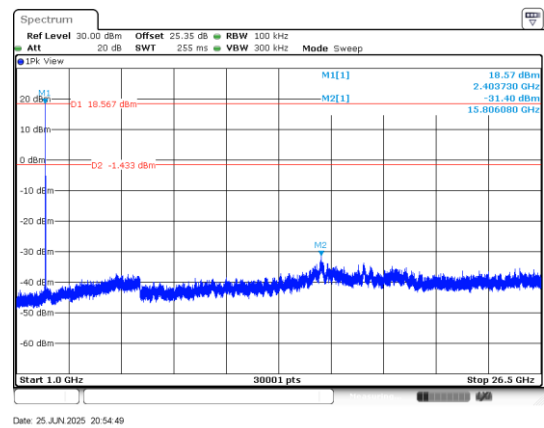
Conducted Spurious Emission

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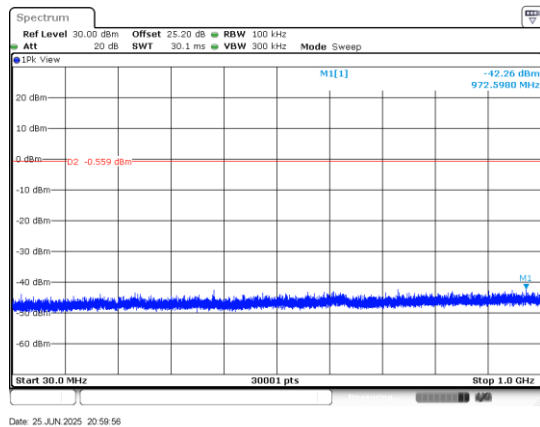
CSE Plot on Low Ch between 30MHz ~ 1 GHz



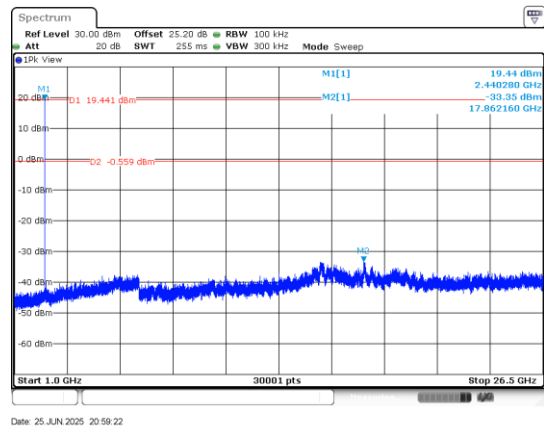
CSE Plot on Low Ch between 1GHz ~ 26.5GHz



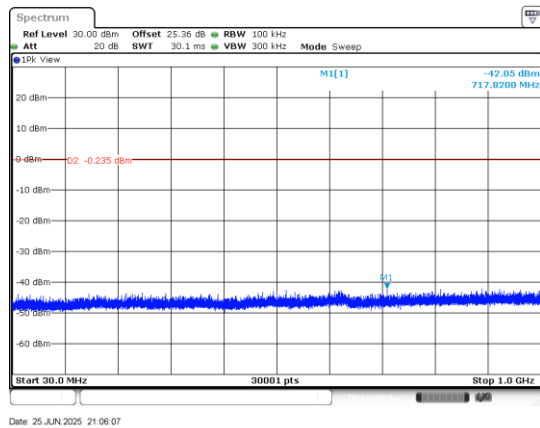
CSE Plot on Mid. Ch between 30MHz ~ 1 GHz



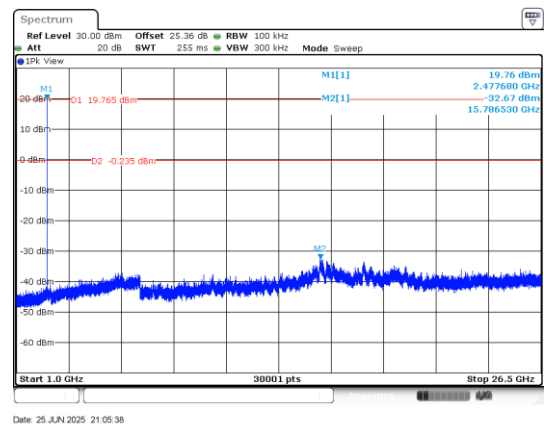
CSE Plot on Mid. Ch between 1GHz ~ 26.5GHz



CSE Plot on High Ch between 30MHz ~ 1 GHz



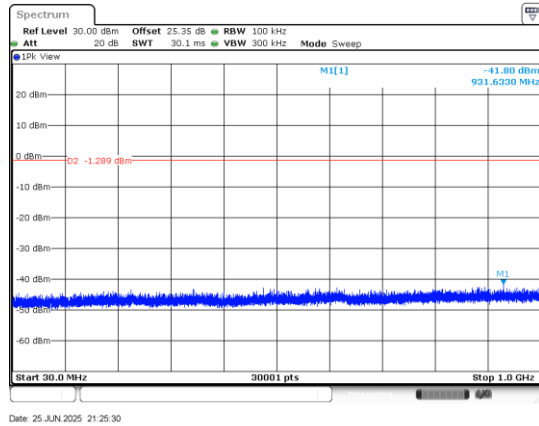
CSE Plot on High Ch between 1GHz ~ 26.5GHz



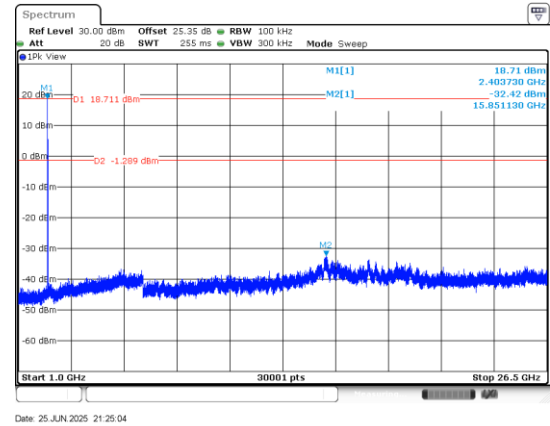


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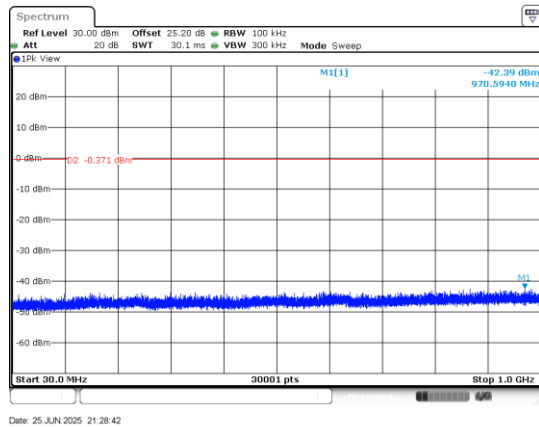
CSE Plot on Low Ch between 30MHz ~ 1 GHz



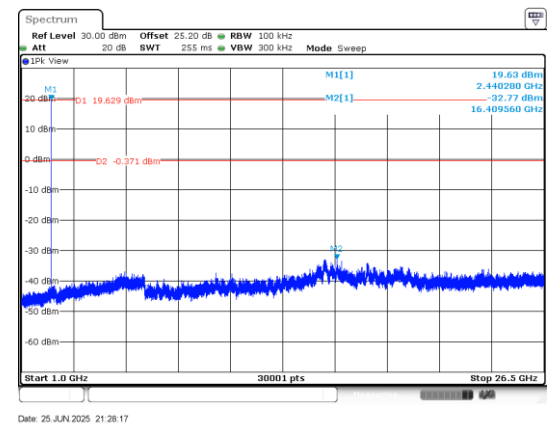
CSE Plot on Low Ch between 1GHz ~ 26.5GHz



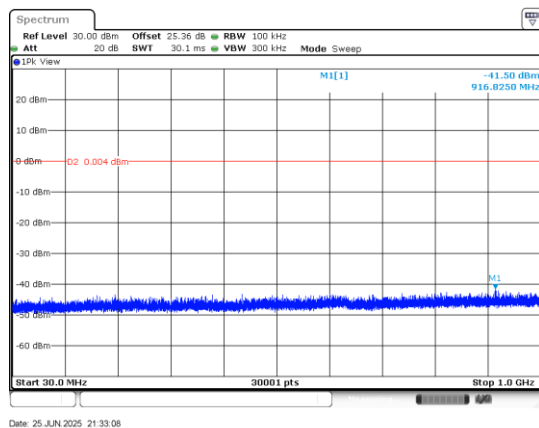
CSE Plot on Mid. Ch between 30MHz ~ 1 GHz



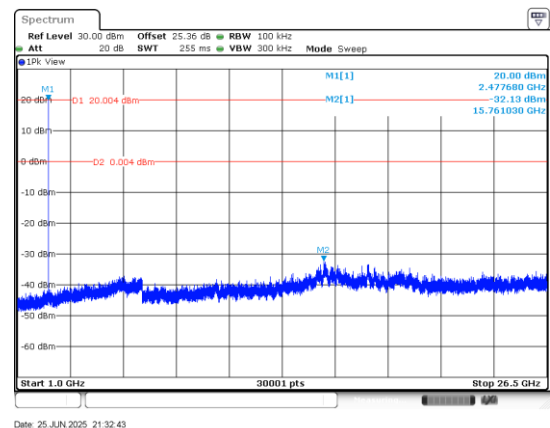
CSE Plot on Mid. Ch between 1GHz ~ 26.5GHz



CSE Plot on High Ch between 30MHz ~ 1 GHz



CSE Plot on High Ch between 1GHz ~ 26.5GHz

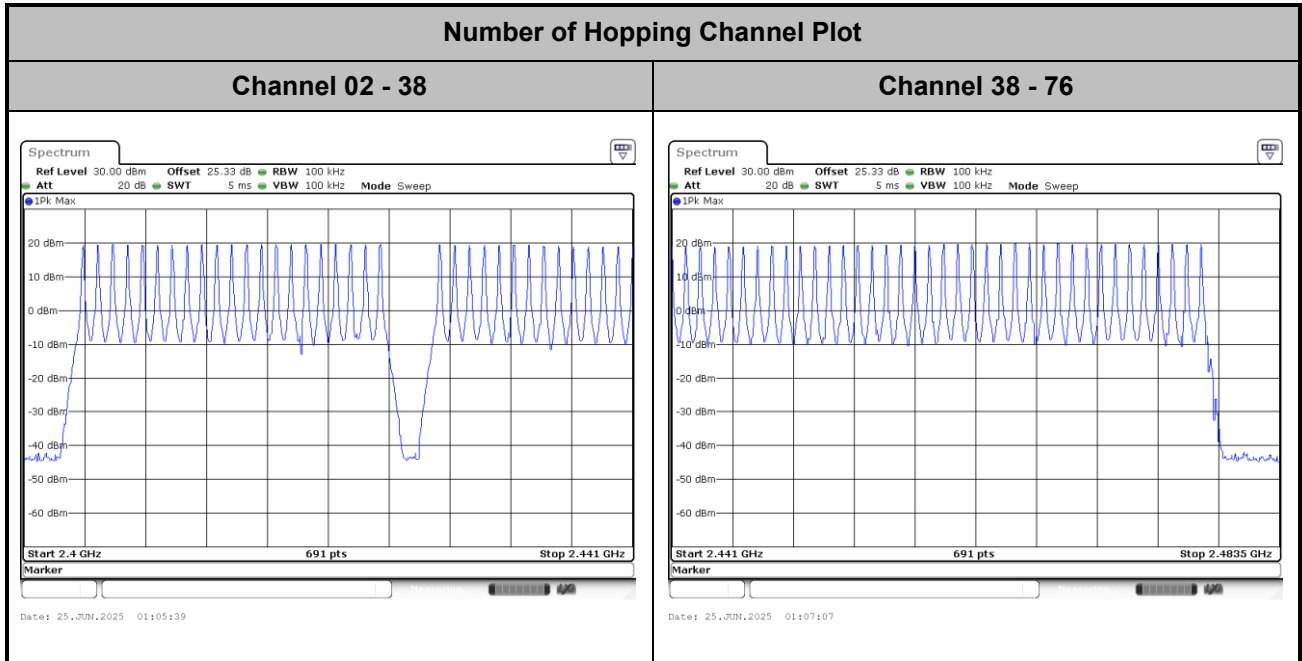




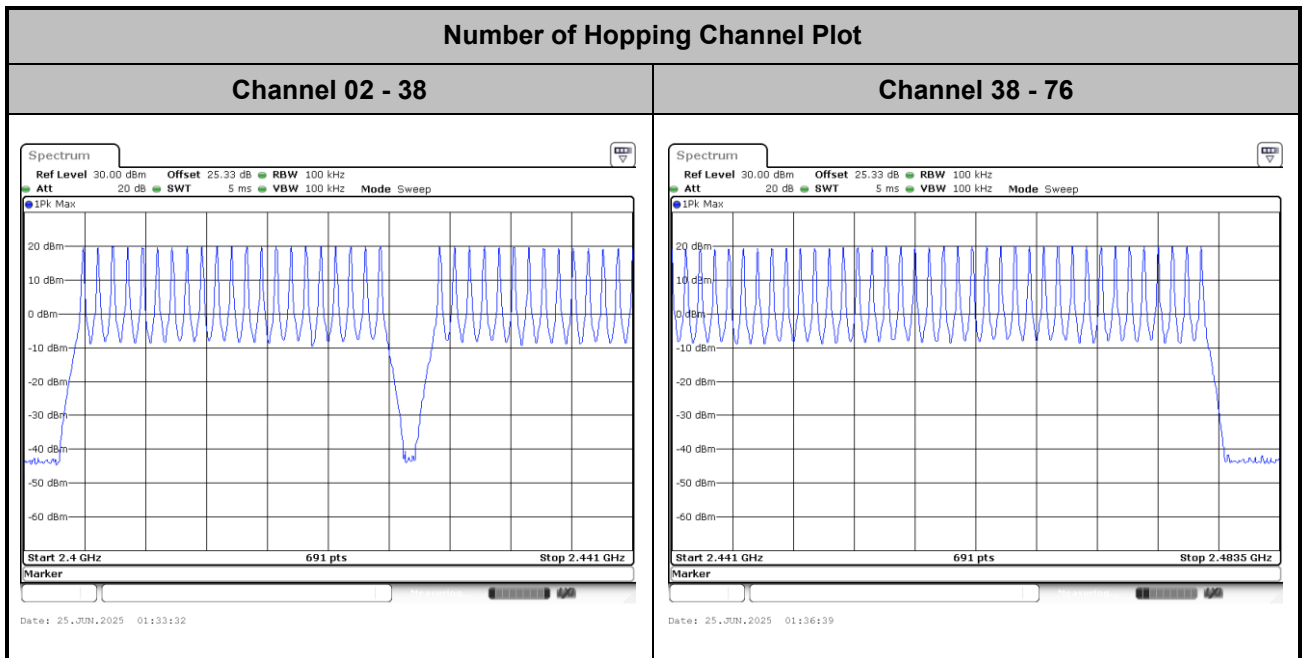
<Ant 4>

Number of Hopping Frequency

<1Mbps>



<2Mbps>

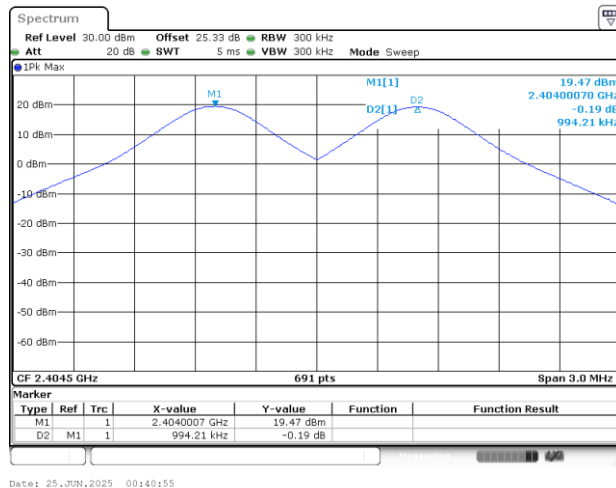




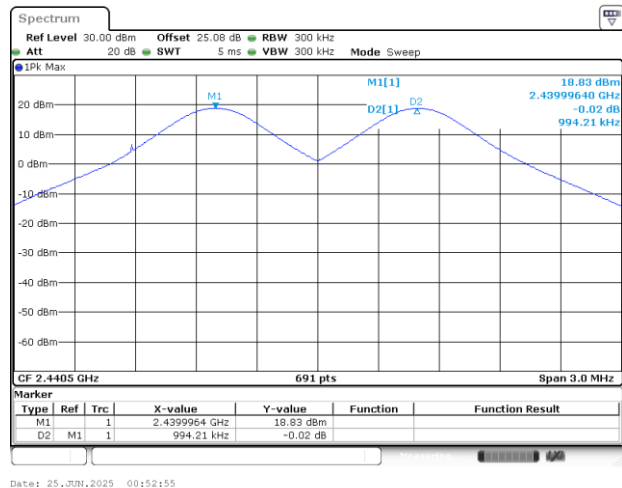
Hopping Channel Separation

<1Mbps>

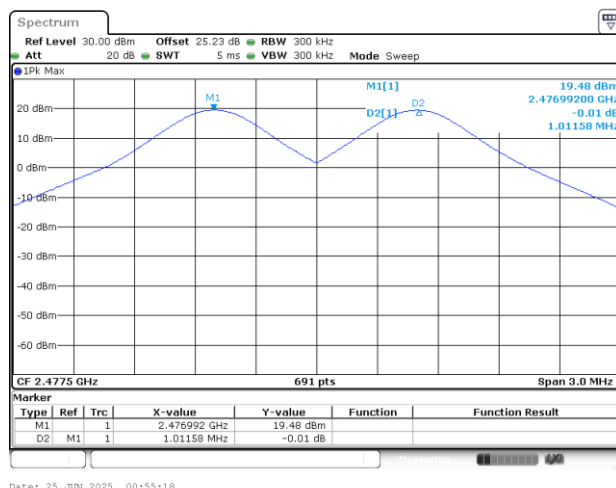
Channel Separation Plot on Channel 02 - 03



Channel Separation Plot on Channel 38 - 39



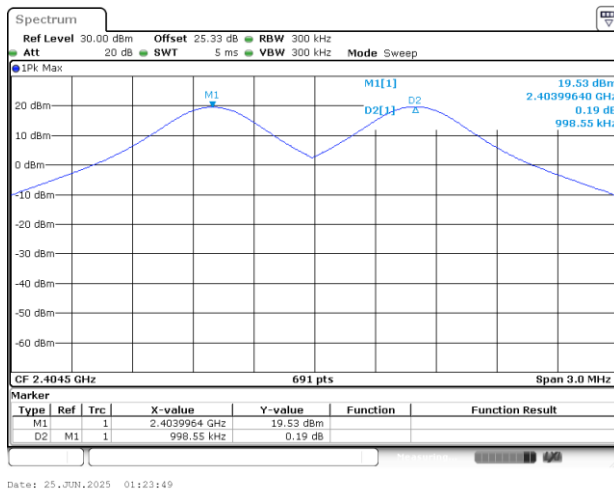
Channel Separation Plot on Channel 75 - 76



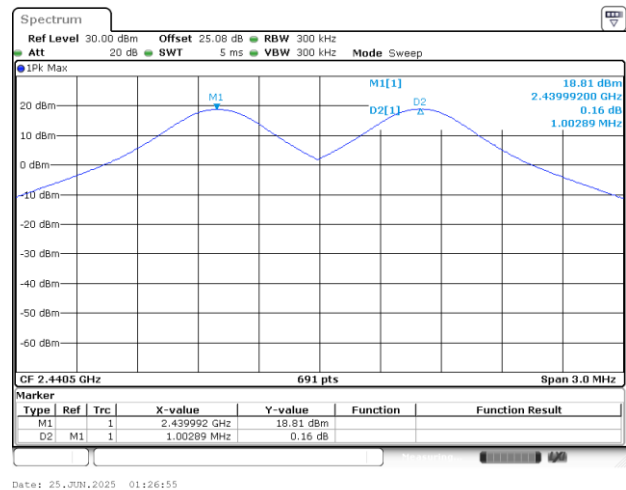


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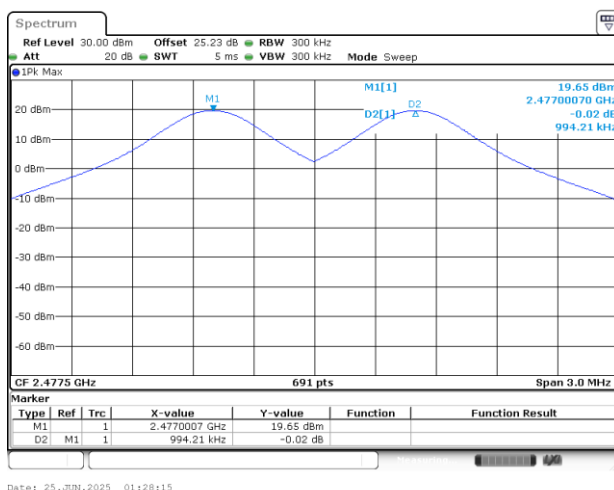
Channel Separation Plot on Channel 02 - 03



Channel Separation Plot on Channel 38 - 39

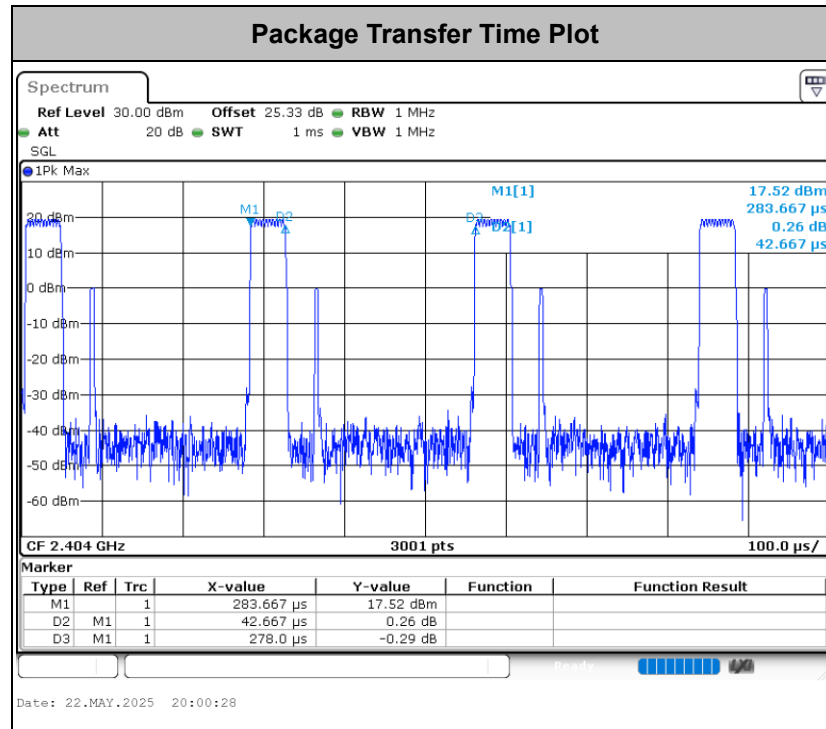


Channel Separation Plot on Channel 75 - 76



Dwell Time

<1Mbps>



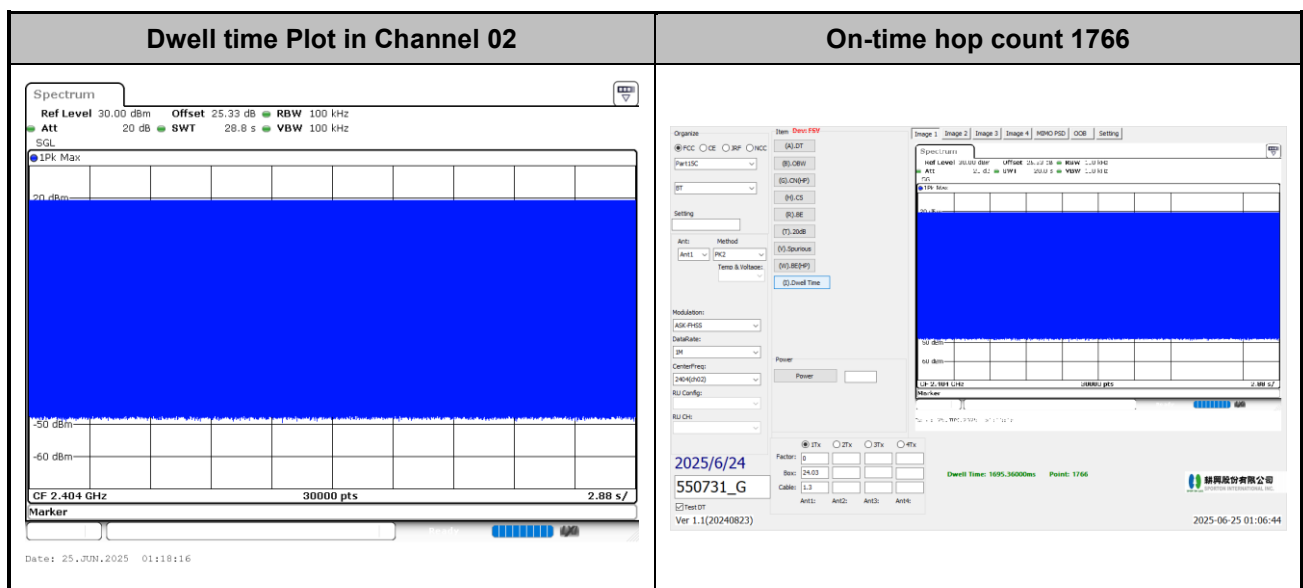
Remark:

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

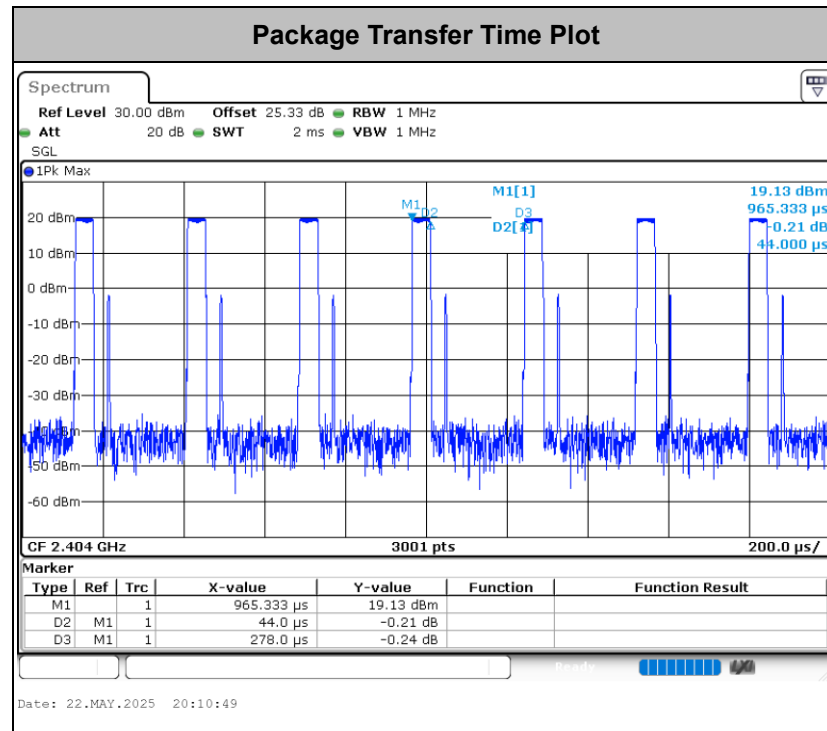
$$= 1766 \times 0.043 \text{ ms} = 0.076 \text{ sec}$$

2. The observation Occupancy time is hopping channel 72 channels x 400ms = 28.8sec using sweep point 30,000. This shows that 1ms per on-time contains 1 hop.

The total hops is finally counted via computer analysis.



<2Mbps>

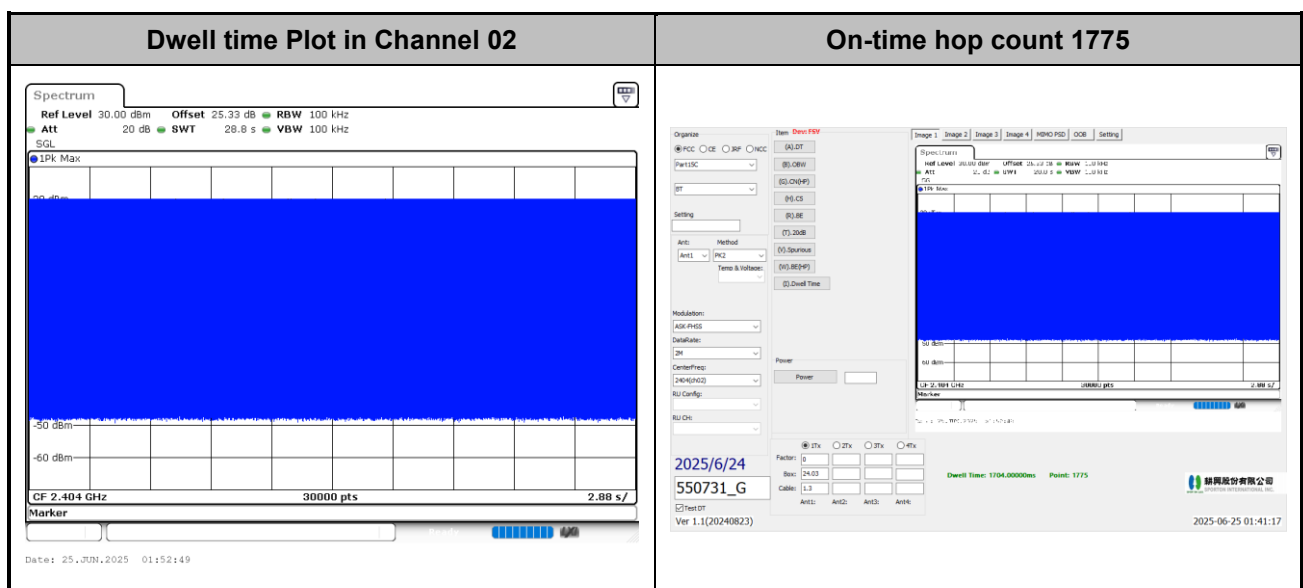
**Remark:**

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

$$= 1775 \times 0.044 \text{ ms} = 0.078 \text{ sec}$$

2. The observation Occupancy time is hopping channel 72 channels x 400ms = 28.8sec using sweep point 30,000. This shows that 1ms per on-time contains 1 hop.

The total hops is finally counted via computer analysis.

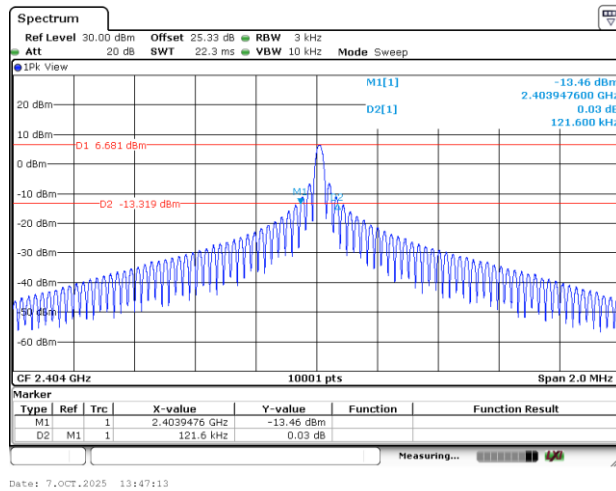




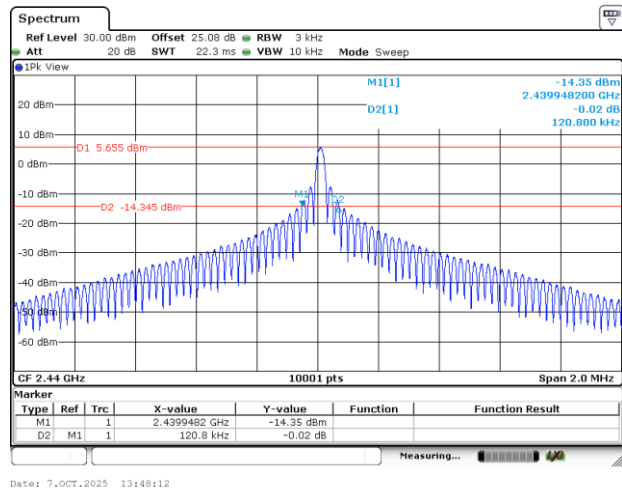
20dB Bandwidth

<1Mbps>

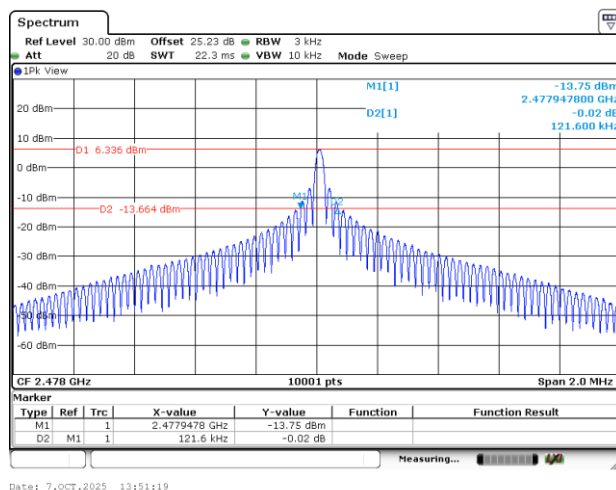
20 dB Bandwidth Plot in Channel 02



20 dB Bandwidth Plot in Channel 38



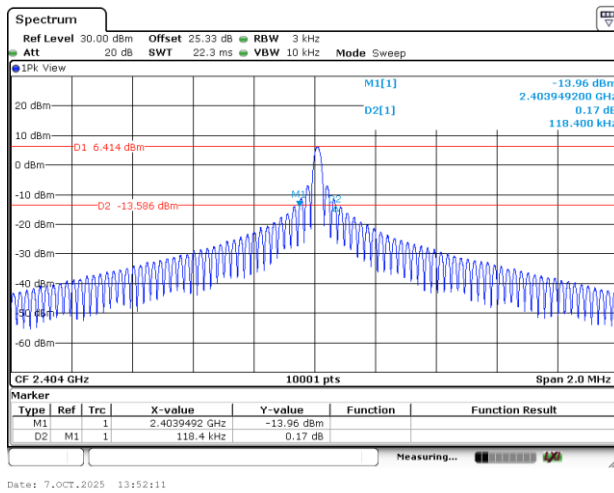
20 dB Bandwidth Plot in Channel 76



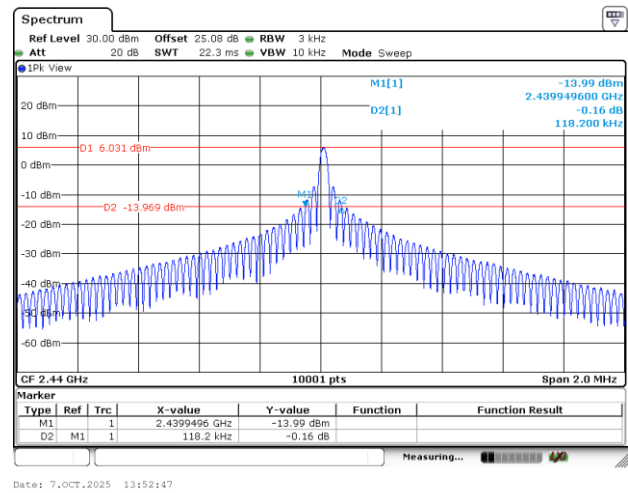


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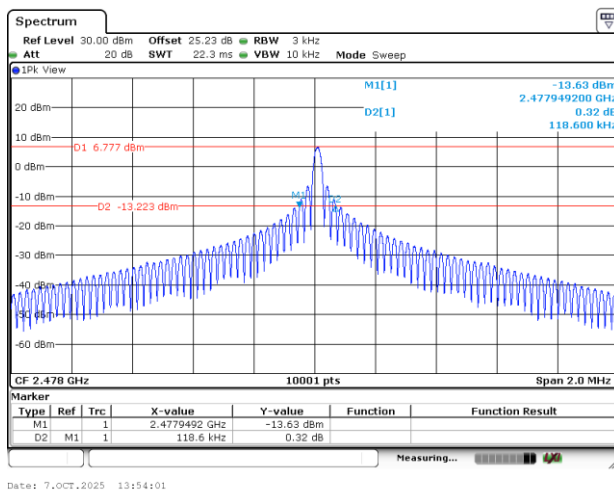
20 dB Bandwidth Plot in Channel 02



20 dB Bandwidth Plot in Channel 38



20 dB Bandwidth Plot in Channel 76

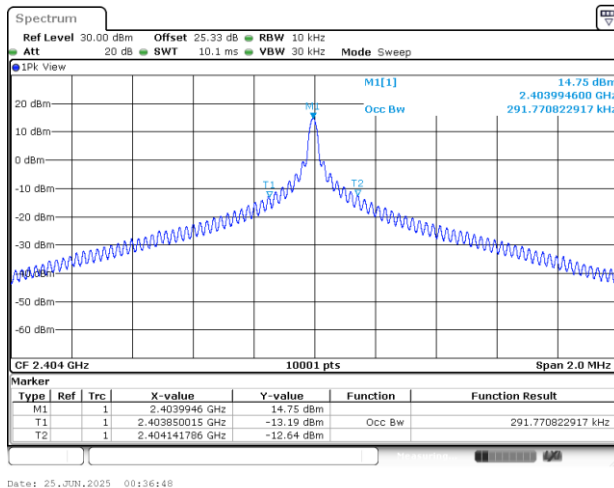




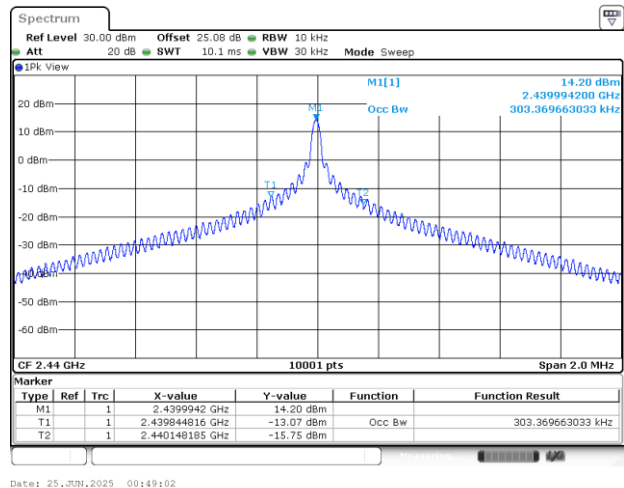
99% Occupied Bandwidth

<1Mbps>

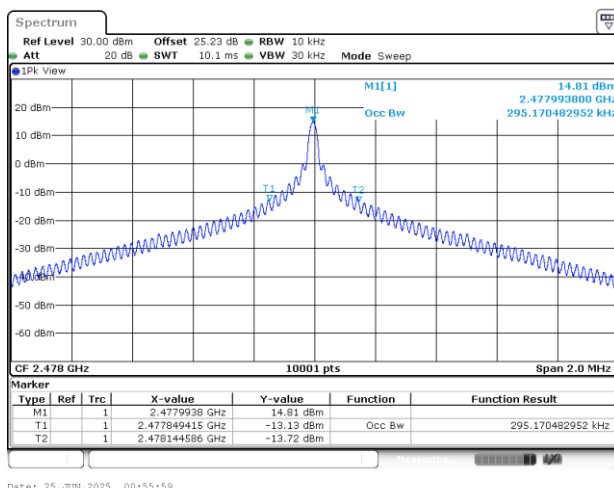
99% Occupied Bandwidth on Channel 02



99% Occupied Bandwidth on Channel 38



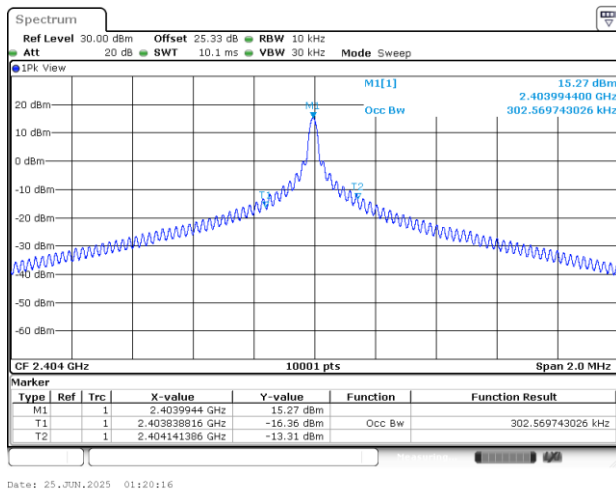
99% Occupied Bandwidth on Channel 76



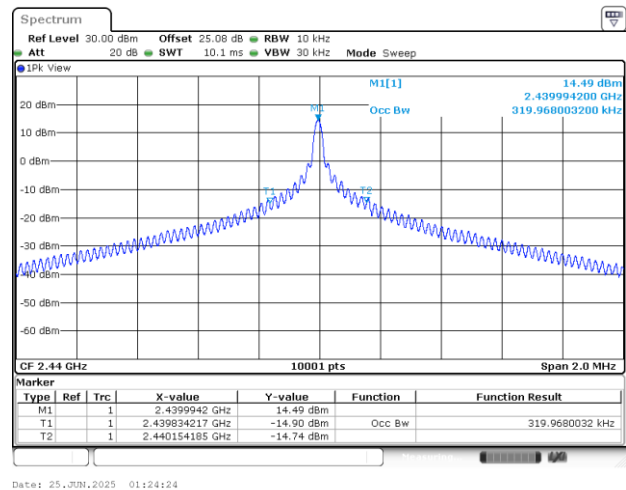


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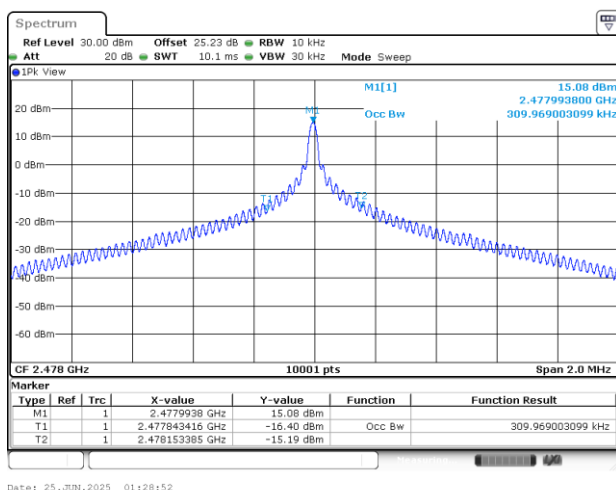
99% Occupied Bandwidth on Channel 02



99% Occupied Bandwidth on Channel 38



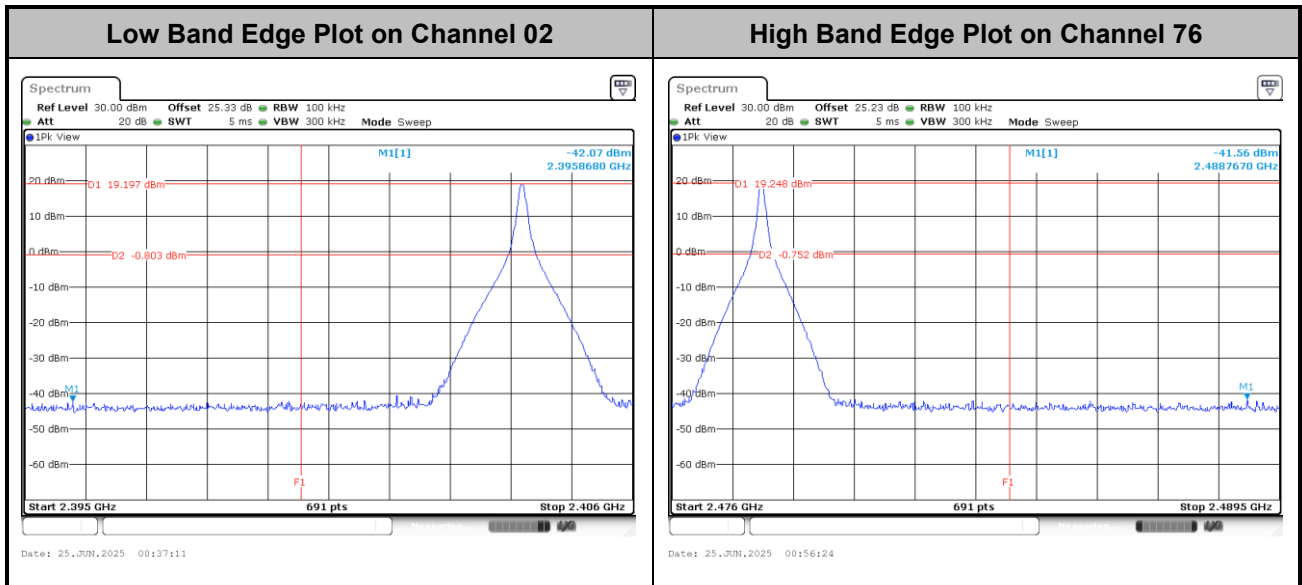
99% Occupied Bandwidth on Channel 76



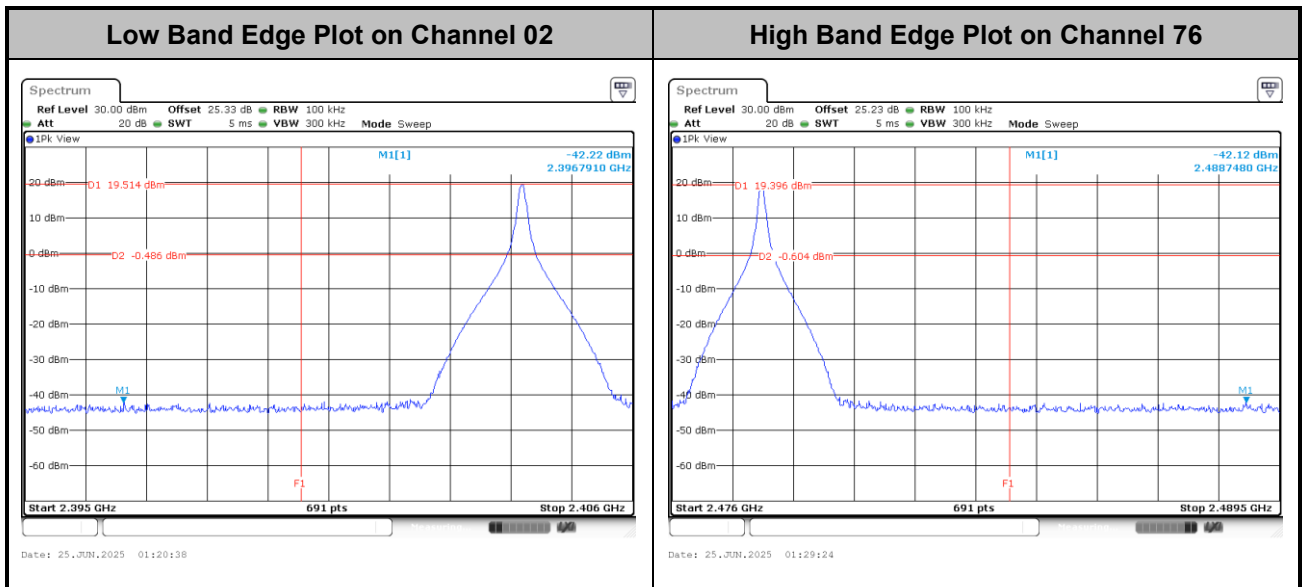


Band Edges

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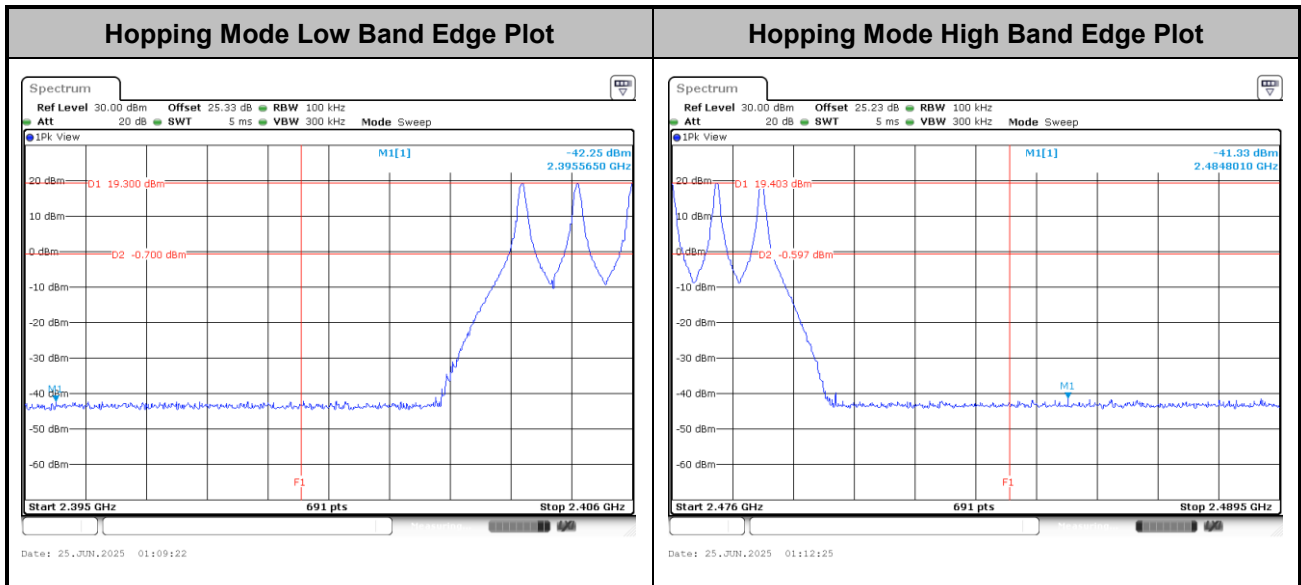
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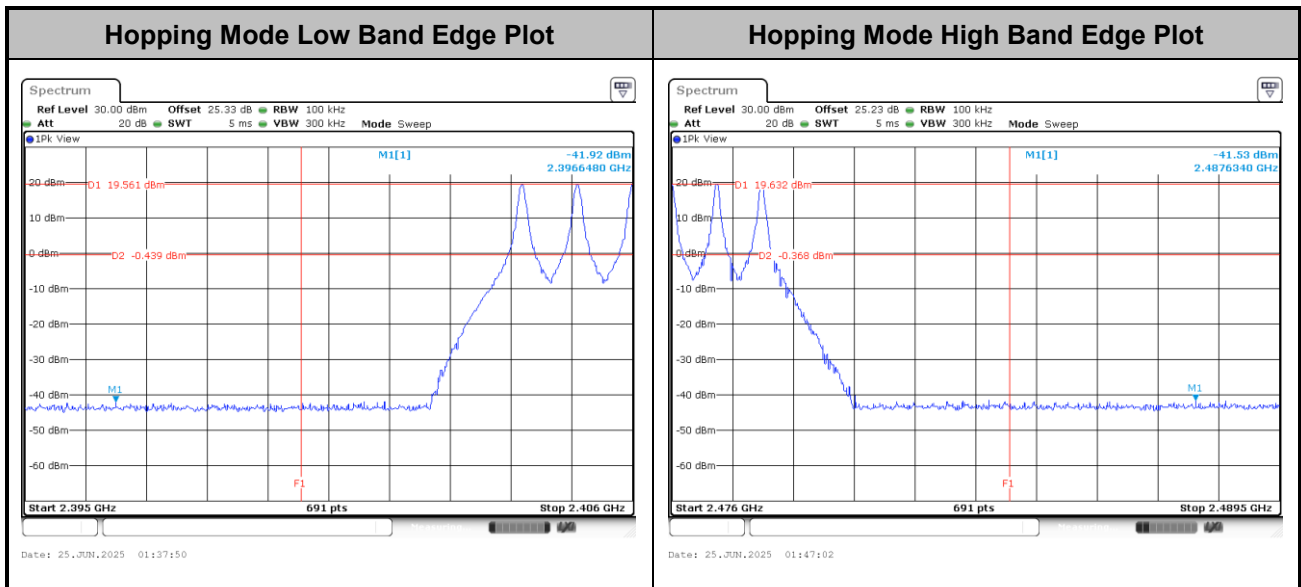


Hopping Mode Band Edges

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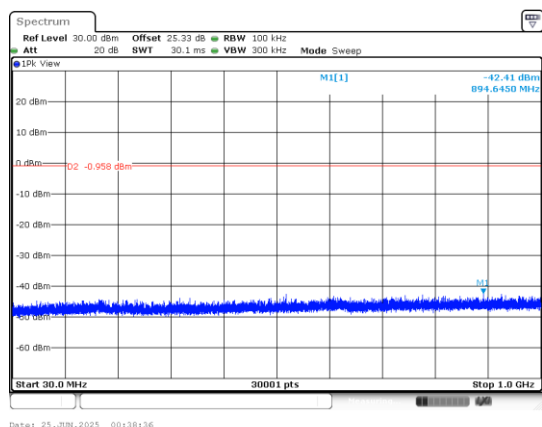
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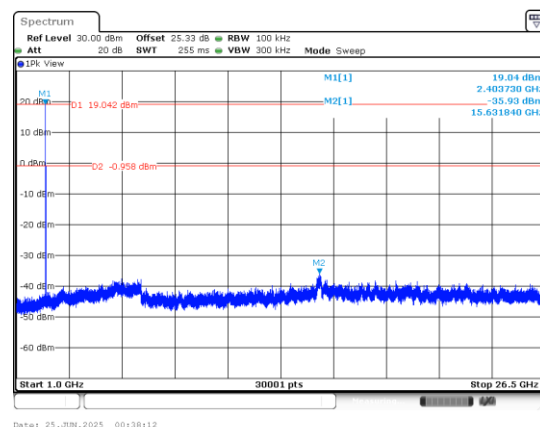
Conducted Spurious Emission

<1Mbps>

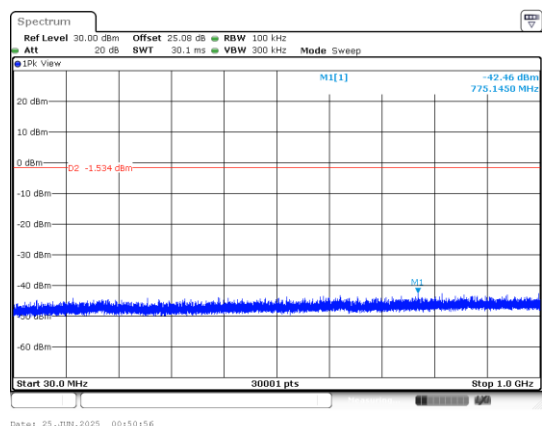
CSE Plot on Low Ch between 30MHz ~ 1 GHz



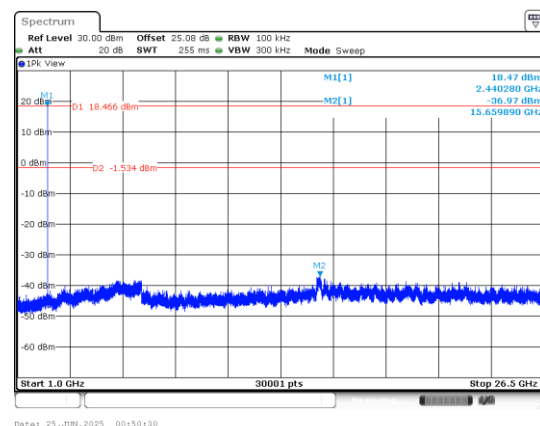
CSE Plot on Low Ch between 1GHz ~ 26.5GHz



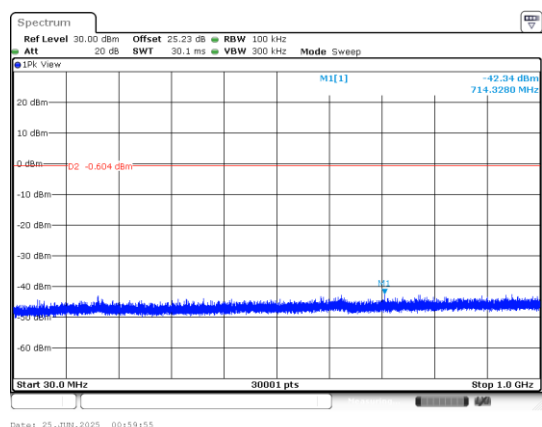
CSE Plot on Mid. Ch between 30MHz ~ 1 GHz



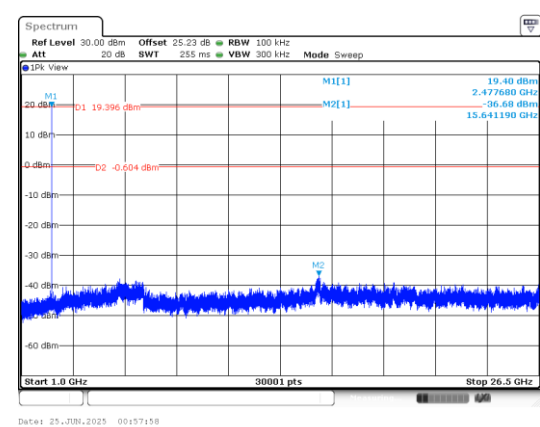
CSE Plot on Mid. Ch between 1GHz ~ 26.5GHz



CSE Plot on High Ch between 30MHz ~ 1 GHz



CSE Plot on High Ch between 1GHz ~ 26.5GHz





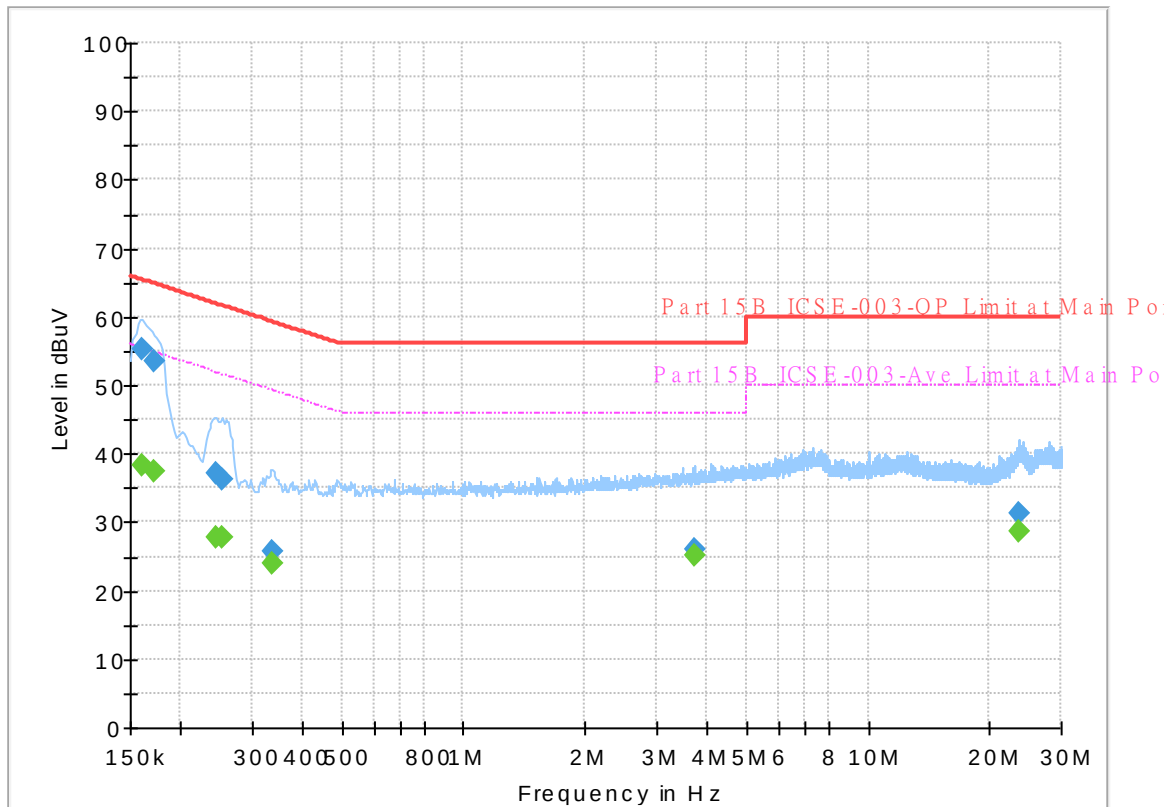
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Brian Chen	Temperature :	23~26°C
		Relative Humidity :	45~55%

EUT Information

Report NO : 550731
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



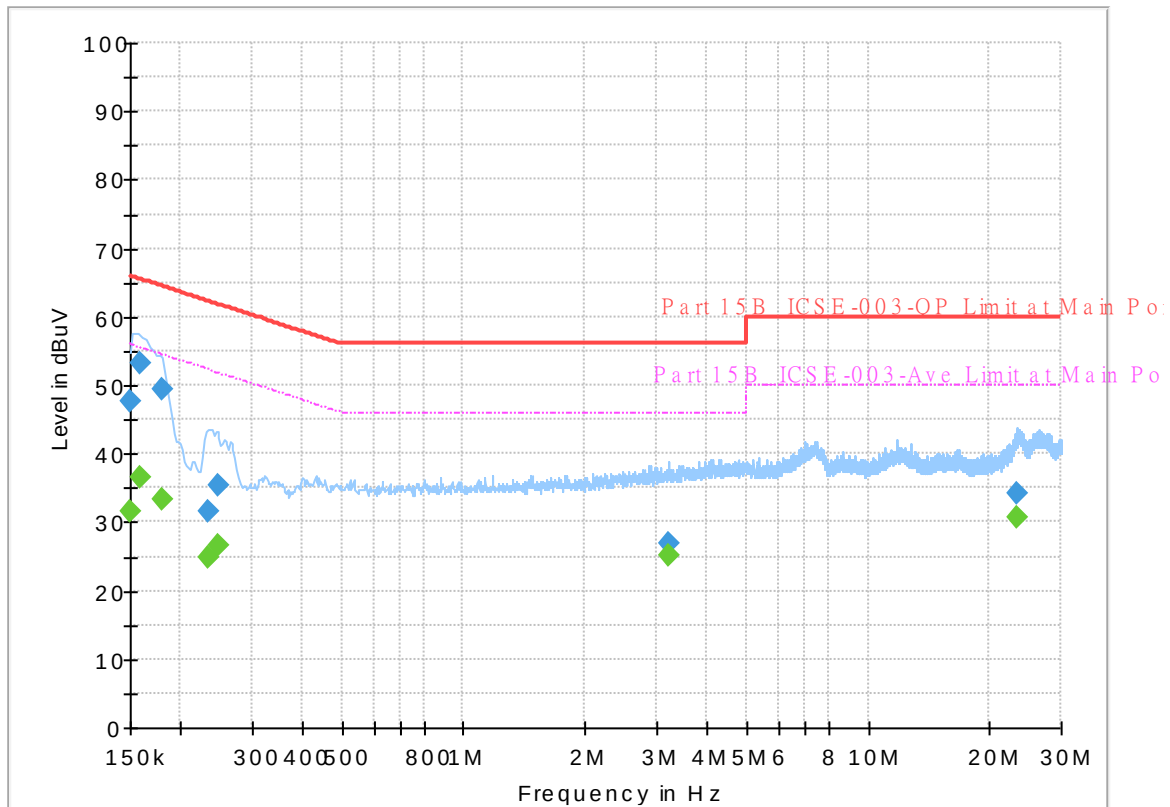
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	38.27	55.40	17.13	L1	OFF	19.8
0.161250	55.24	---	65.40	10.16	L1	OFF	19.8
0.172500	---	37.39	54.84	17.45	L1	OFF	19.8
0.172500	53.42	---	64.84	11.42	L1	OFF	19.8
0.244500	---	27.86	51.94	24.08	L1	OFF	19.8
0.244500	37.07	---	61.94	24.87	L1	OFF	19.8
0.253500	---	27.85	51.64	23.79	L1	OFF	19.8
0.253500	36.16	---	61.64	25.48	L1	OFF	19.8
0.336750	---	23.89	49.28	25.39	L1	OFF	19.8
0.336750	25.82	---	59.28	33.46	L1	OFF	19.8
3.738750	---	25.02	46.00	20.98	L1	OFF	20.0
3.738750	26.05	---	56.00	29.95	L1	OFF	20.0
23.707500	---	28.72	50.00	21.28	L1	OFF	21.0
23.707500	31.43	---	60.00	28.57	L1	OFF	21.0

EUT Information

Report NO : 550731
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150540	---	31.58	55.97	24.39	N	OFF	19.8
0.150540	47.63	---	65.97	18.34	N	OFF	19.8
0.159000	---	36.53	55.52	18.99	N	OFF	19.8
0.159000	53.20	---	65.52	12.32	N	OFF	19.8
0.179250	---	33.22	54.52	21.30	N	OFF	19.8
0.179250	49.53	---	64.52	14.99	N	OFF	19.8
0.233250	---	24.90	52.33	27.43	N	OFF	19.8
0.233250	31.54	---	62.33	30.79	N	OFF	19.8
0.246750	---	26.72	51.87	25.15	N	OFF	19.8
0.246750	35.33	---	61.87	26.54	N	OFF	19.8
3.219000	---	25.26	46.00	20.74	N	OFF	20.0
3.219000	26.90	---	56.00	29.10	N	OFF	20.0
23.262000	---	30.84	50.00	19.16	N	OFF	20.9
23.262000	34.20	---	60.00	25.80	N	OFF	20.9



Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Jerry Lan, Gary Guo, and Steven Wu.	Temperature :	20~26°C
		Relative Humidity :	40~65%

Note symbol

-L	Low channel location
-R	High channel location

<Ant 3 for 1Mbps>

C1-1. Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 4	2400-2483.5	3	Bluetooth-LE_GFSK	02	2404	1Mbps	-	-
Mode 5	2400-2483.5	3	Bluetooth-LE_GFSK	38	2440	1Mbps	-	-
Mode 6	2400-2483.5	3	Bluetooth-LE_GFSK	76	2478	1Mbps	-	-

C1-2. Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
4	Bluetooth-LE_GFSK	02	2329.65	58.72	74.00	-15.28	V	Peak	Pass	-	Band Edge
	Bluetooth-LE_GFSK	02	4808.00	42.63	74.00	-31.37	V	Peak	Pass	-	Harmonic
5	Bluetooth-LE_GFSK	38	2491.12	59.24	74.00	-14.76	H	Peak	Pass	-	Band Edge
	Bluetooth-LE_GFSK	38	7320.00	49.11	74.00	-24.89	V	Peak	Pass	-	Harmonic
6	Bluetooth-LE_GFSK	76	2491.75	59.47	74.00	-14.53	V	Peak	Pass	-	Band Edge
	Bluetooth-LE_GFSK	76	7434.00	52.04	74.00	-21.96	V	Peak	Pass	-	Harmonic



Mode	4																																																																																																																			
	Band Edge																																																																																																																			
	2400-2483.5_Bluetooth-LE_GFSK_CH02_2404MHz																																																																																																																			
ANT	3																																																																																																																			
Pol.	Horizontal						Fundamental																																																																																																													
Peak	Level (dBuV/m) Date: 2025-07-14 Site : 03CH16-HY Condition: PEAK_BE_74 3m 91200-1522_250327 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>2389.81</td><td>58.53</td><td>74.00</td><td>-15.47</td><td>43.81</td><td>27.50</td><td>7.71</td><td>30.41</td><td>9.92</td><td>100</td><td>61</td><td>Peak</td></tr><tr><td>2</td><td>2389.81</td><td>5.57</td><td>54.00</td><td>-48.43</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>AVERAGE</td></tr></table>							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	2389.81	58.53	74.00	-15.47	43.81	27.50	7.71	30.41	9.92	100	61	Peak	2	2389.81	5.57	54.00	-48.43	--	--	--	--	--	--	--	AVERAGE	Level (dBuV/m) Date: 2025-07-14 Site : 03CH16-HY Condition: PEAK_74 3m 91200-1522_250327 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>2404.00</td><td>111.55</td><td>-----</td><td>-----</td><td>96.69</td><td>27.60</td><td>7.74</td><td>30.40</td><td>9.92</td><td>100</td><td>61</td><td>Peak</td></tr><tr><td>2</td><td>2404.00</td><td>58.59</td><td>54.00</td><td>4.59</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>Average</td></tr></table>							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	2404.00	111.55	-----	-----	96.69	27.60	7.74	30.40	9.92	100	61	Peak	2	2404.00	58.59	54.00	4.59	--	--	--	--	--	--	--	Average
	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	2389.81	58.53	74.00	-15.47	43.81	27.50	7.71	30.41	9.92	100	61	Peak																																																																																																								
2	2389.81	5.57	54.00	-48.43	--	--	--	--	--	--	--	AVERAGE																																																																																																								
	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	2404.00	111.55	-----	-----	96.69	27.60	7.74	30.40	9.92	100	61	Peak																																																																																																								
2	2404.00	58.59	54.00	4.59	--	--	--	--	--	--	--	Average																																																																																																								

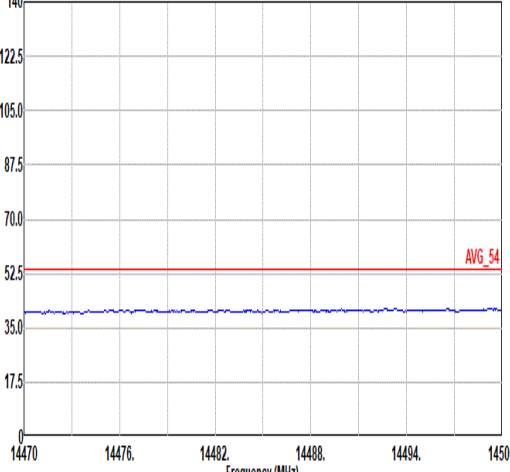
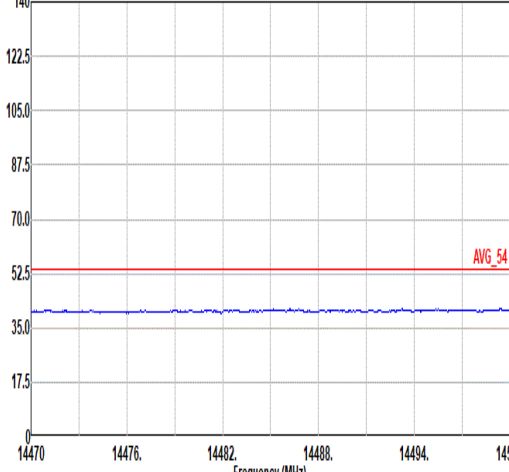
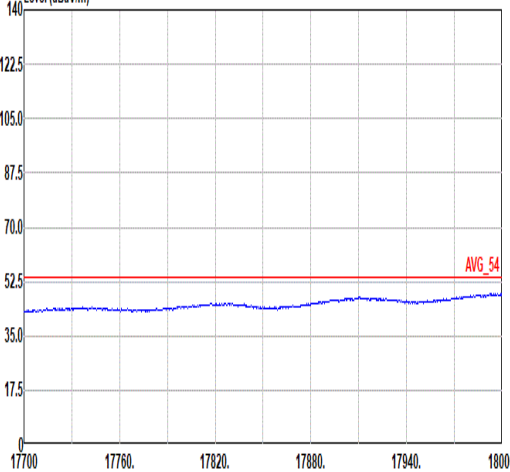
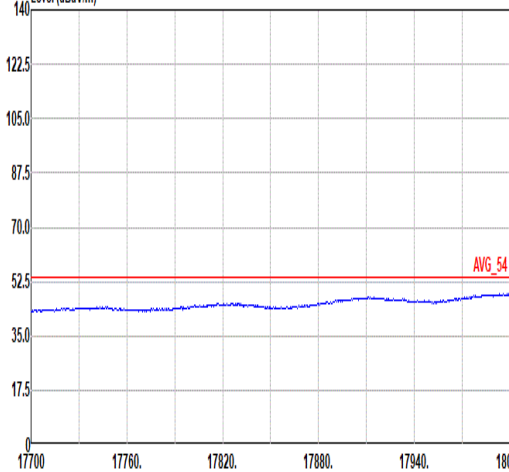


Mode	4																																																																																																															
	Band Edge																																																																																																															
	2400-2483.5_Bluetooth-LE_GFSK_CH02_2404MHz																																																																																																															
ANT	3																																																																																																															
Pol.	Vertical	Fundamental																																																																																																														
Peak	Level (dBuV/m) Date: 2025-07-14 Site : 03CH16-HY Condition: PEAK_BE_74 3m 91200-1522_250327 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2329.65</td><td>58.72</td><td>74.00</td><td>-15.28</td><td>44.45</td><td>27.20</td><td>7.61</td><td>30.46</td><td>9.92</td><td>200</td><td>66 Peak</td></tr><tr><td>2</td><td>2329.65</td><td>5.76</td><td>54.00</td><td>-48.24</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>AVERAGE</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2329.65	58.72	74.00	-15.28	44.45	27.20	7.61	30.46	9.92	200	66 Peak	2	2329.65	5.76	54.00	-48.24	--	--	--	--	--	--	AVERAGE	Level (dBuV/m) Date: 2025-07-14 Site : 03CH16-HY Condition: PEAK_74 3m 91200-1522_250327 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2404.00</td><td>112.84</td><td>-----</td><td>-----</td><td>97.98</td><td>27.60</td><td>7.74</td><td>30.40</td><td>9.92</td><td>200</td><td>66 Peak</td></tr><tr><td>2</td><td>2404.00</td><td>59.88</td><td>54.00</td><td>5.88</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>Average</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2404.00	112.84	-----	-----	97.98	27.60	7.74	30.40	9.92	200	66 Peak	2	2404.00	59.88	54.00	5.88	--	--	--	--	--	--	Average
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																							
Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor																																																																																																								
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																																						
1	2329.65	58.72	74.00	-15.28	44.45	27.20	7.61	30.46	9.92	200	66 Peak																																																																																																					
2	2329.65	5.76	54.00	-48.24	--	--	--	--	--	--	AVERAGE																																																																																																					
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Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor																																																																																																								
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																																						
1	2404.00	112.84	-----	-----	97.98	27.60	7.74	30.40	9.92	200	66 Peak																																																																																																					
2	2404.00	59.88	54.00	5.88	--	--	--	--	--	--	Average																																																																																																					



Mode	4																																																																																																																																	
	Harmonic																																																																																																																																	
	2400-2483.5_Bluetooth-LE_GFSK_CH02_2404MHz																																																																																																																																	
ANT	3																																																																																																																																	
Pol.	Horizontal						Vertical																																																																																																																											
Peak Avg	Level (dBuV/m) Date: 2025-07-14 Site : 03CH16-HY Condition: PEAK_74 3m 91200-1522_250327 HORIZONTAL <table><tr><th colspan="2"></th><th colspan="2">Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th rowspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>4808.00</td><td>39.88</td><td>74.00</td><td>-34.12</td><td>62.28</td><td>32.56</td><td>11.04</td><td>66.39</td><td>0.39</td><td>--</td><td>-- Peak</td></tr><tr><td>2</td><td>4808.00</td><td>-13.08</td><td>54.00</td><td>-67.08</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>-- Average</td></tr></table>								Limit		Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor				MHz	dBuV/m	dBuV/m	dB	dB	dB/m	dB	dB	dB	cm	deg	1	4808.00	39.88	74.00	-34.12	62.28	32.56	11.04	66.39	0.39	--	-- Peak	2	4808.00	-13.08	54.00	-67.08	--	--	--	--	--	--	-- Average	Level (dBuV/m) Date: 2025-07-14 Site : 03CH16-HY Condition: PEAK_74 3m 91200-1522_250327 VERTICAL <table><tr><th colspan="2"></th><th colspan="2">Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th rowspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>4808.00</td><td>42.63</td><td>74.00</td><td>-31.37</td><td>65.07</td><td>32.53</td><td>11.04</td><td>66.40</td><td>0.39</td><td>229</td><td>347 Peak</td></tr><tr><td>2</td><td>4808.00</td><td>-10.33</td><td>54.00</td><td>-64.33</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>-- Average</td></tr></table>								Limit		Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor				MHz	dBuV/m	dBuV/m	dB	dB	dB/m	dB	dB	dB	cm	deg	1	4808.00	42.63	74.00	-31.37	65.07	32.53	11.04	66.40	0.39	229	347 Peak	2	4808.00	-10.33	54.00	-64.33	--	--	--	--	--	--	-- Average
			Limit		Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																						
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	MHz	dBuV/m	dBuV/m	dB	dB	dB/m	dB	dB	dB	cm	deg																																																																																																																							
1	4808.00	39.88	74.00	-34.12	62.28	32.56	11.04	66.39	0.39	--	-- Peak																																																																																																																							
2	4808.00	-13.08	54.00	-67.08	--	--	--	--	--	--	-- Average																																																																																																																							
		Limit		Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																							
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	MHz	dBuV/m	dBuV/m	dB	dB	dB/m	dB	dB	dB	cm	deg																																																																																																																							
1	4808.00	42.63	74.00	-31.37	65.07	32.53	11.04	66.40	0.39	229	347 Peak																																																																																																																							
2	4808.00	-10.33	54.00	-64.33	--	--	--	--	--	--	-- Average																																																																																																																							



Mode	4	
	Harmonic	
	2400-2483.5_Bluetooth-LE_GFSK_CH02_2404MHz	
ANT	3	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	Level (dBuV/m) Date: 2025-07-14  Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_250327 HORIZONTAL	Level (dBuV/m) Date: 2025-07-14  Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_250327 VERTICAL
	Level (dBuV/m) Date: 2025-07-14  Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_250327 HORIZONTAL	Level (dBuV/m) Date: 2025-07-14  Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_250327 VERTICAL



Mode	5																																																																																																																			
	Band Edge - L																																																																																																																			
	2400-2483.5_Bluetooth-LE_GFSK_CH38_2440MHz																																																																																																																			
ANT	3																																																																																																																			
Pol.	Horizontal						Fundamental																																																																																																													
Peak	Level (dBuV/m) Date: 2025-07-14 Site : 03CH16-HY Condition: PEAK_BE_74 3m 91200-1522_250327 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>2329.89</td><td>58.37</td><td>74.00</td><td>-15.63</td><td>44.10</td><td>27.20</td><td>7.61</td><td>30.46</td><td>9.92</td><td>100</td><td>61</td><td>Peak</td></tr><tr><td>2</td><td>2329.89</td><td>5.41</td><td>54.00</td><td>-48.59</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>AVERAGE</td></tr></table>							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	2329.89	58.37	74.00	-15.63	44.10	27.20	7.61	30.46	9.92	100	61	Peak	2	2329.89	5.41	54.00	-48.59	--	--	--	--	--	--	--	AVERAGE	Level (dBuV/m) Date: 2025-07-14 Site : 03CH16-HY Condition: PEAK_74 3m 91200-1522_250327 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>2440.00</td><td>109.71</td><td>-----</td><td>-----</td><td>94.67</td><td>27.70</td><td>7.79</td><td>30.37</td><td>9.92</td><td>100</td><td>61</td><td>Peak</td></tr><tr><td>2</td><td>2440.00</td><td>56.75</td><td>54.00</td><td>2.75</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>Average</td></tr></table>							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	2440.00	109.71	-----	-----	94.67	27.70	7.79	30.37	9.92	100	61	Peak	2	2440.00	56.75	54.00	2.75	--	--	--	--	--	--	--	Average
	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	2329.89	58.37	74.00	-15.63	44.10	27.20	7.61	30.46	9.92	100	61	Peak																																																																																																								
2	2329.89	5.41	54.00	-48.59	--	--	--	--	--	--	--	AVERAGE																																																																																																								
	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	2440.00	109.71	-----	-----	94.67	27.70	7.79	30.37	9.92	100	61	Peak																																																																																																								
2	2440.00	56.75	54.00	2.75	--	--	--	--	--	--	--	Average																																																																																																								

Mode

5

Band Edge - R

2400-2483.5_Bluetooth-LE_GFSK_CH38_2440MHz

ANT

3

Pol.

Horizontal

Peak

Date: 2025-07-14

Level (dBuV/m)

140

122.5

105.0

87.5

70.0

52.5

35.0

17.5

0

Frequency (MHz)

2440

2452

2464

2476

2488

2500

Site : 03CH16-HY

Condition: PEAK_BE_74 3m 91280-1522_250327 HORIZONTAL

: RBW:1000.000kHz VBW:3000.000kHz SMT:Auto

	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	2491.12	59.24	74.00	-14.76	43.79	28.00	7.87	30.34	9.92	100	61	Peak	
2	2491.12	6.28	54.00	-47.72	--	--	--	--	--	--	--	--	AVERAGE

Fundamental

Blank



Mode	5																																																																																																																			
	Band Edge - L																																																																																																																			
	2400-2483.5_Bluetooth-LE_GFSK_CH38_2440MHz																																																																																																																			
ANT	3																																																																																																																			
Pol.	Vertical						Fundamental																																																																																																													
Peak	Level (dBuV/m) Date: 2025-07-14 Site : 03CH16-HY Condition: PEAK_BE_74 3m 91200-1522_250327 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>2385.14</td><td>58.57</td><td>74.00</td><td>-15.43</td><td>43.96</td><td>27.40</td><td>7.70</td><td>30.41</td><td>9.92</td><td>224</td><td>66</td><td>Peak</td></tr><tr><td>2</td><td>2385.14</td><td>5.61</td><td>54.00</td><td>-48.39</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>AVERAGE</td></tr></table> Level (dBuV/m) Date: 2025-07-14 Site : 03CH16-HY Condition: PEAK_74 3m 91200-1522_250327 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>2440.00</td><td>112.16</td><td>-----</td><td>-----</td><td>97.12</td><td>27.70</td><td>7.79</td><td>30.37</td><td>9.92</td><td>224</td><td>66</td><td>Peak</td></tr><tr><td>2</td><td>2440.00</td><td>59.20</td><td>54.00</td><td>5.20</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>Average</td></tr></table>													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	2385.14	58.57	74.00	-15.43	43.96	27.40	7.70	30.41	9.92	224	66	Peak	2	2385.14	5.61	54.00	-48.39	--	--	--	--	--	--	--	AVERAGE		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	2440.00	112.16	-----	-----	97.12	27.70	7.79	30.37	9.92	224	66	Peak	2	2440.00	59.20	54.00	5.20	--	--	--	--	--	--	--	Average
		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	2385.14	58.57	74.00	-15.43	43.96	27.40	7.70	30.41	9.92	224	66	Peak																																																																																																								
2	2385.14	5.61	54.00	-48.39	--	--	--	--	--	--	--	AVERAGE																																																																																																								
	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	2440.00	112.16	-----	-----	97.12	27.70	7.79	30.37	9.92	224	66	Peak																																																																																																								
2	2440.00	59.20	54.00	5.20	--	--	--	--	--	--	--	Average																																																																																																								

Mode

5

Band Edge - R

2400-2483.5_Bluetooth-LE_GFSK_CH38_2440MHz

ANT

3

Pol.

Vertical

Peak

Date: 2025-07-14

Site : 03CH16-HY

Condition: PEAK_BE_74 3m 91280-1522_258327 VERTICAL

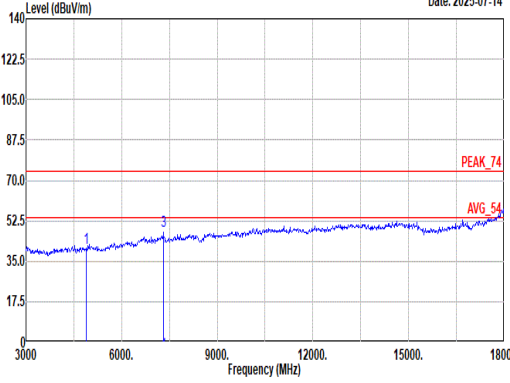
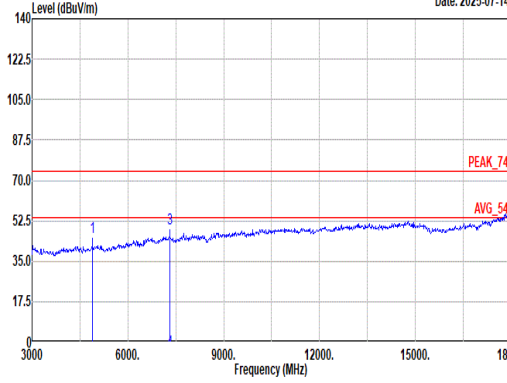
: RBW:1000.000kHz VBW:3000.000kHz SMT:Auto

	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 2484.04	59.07	74.00 -14.93	43.69	27.94	7.86	30.34	9.92	224	66 Peak
2 2484.04	6.11	54.00 -47.89	--	--	--	--	--	--	-- AVERAGE

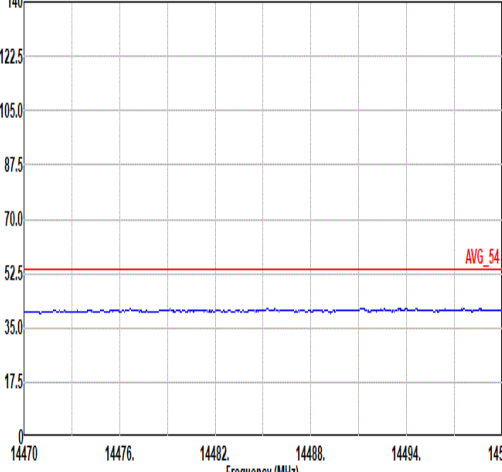
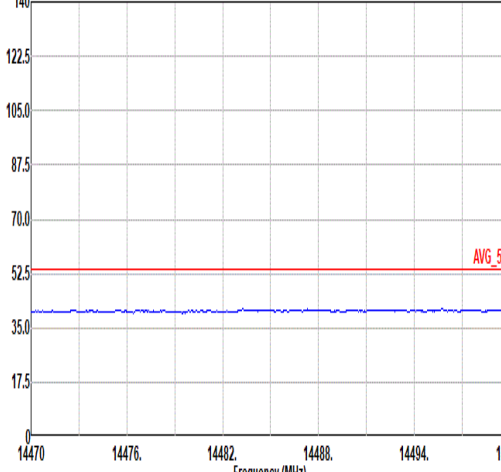
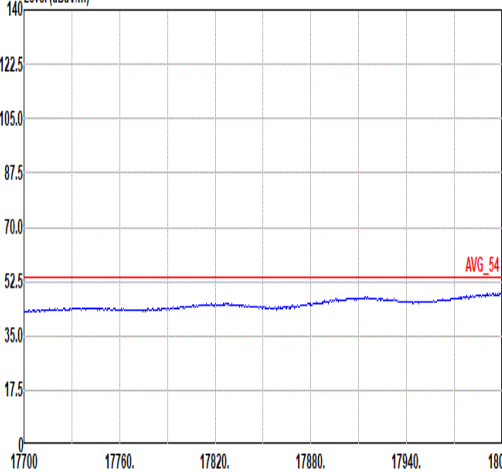
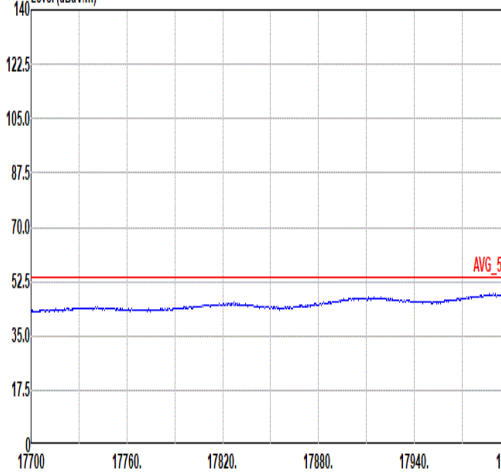
Fundamental

Blank



Mode	5																																																																																																																																													
	Harmonic																																																																																																																																													
	2400-2483.5_Bluetooth-LE_GFSK_CH38_2440MHz																																																																																																																																													
ANT	3																																																																																																																																													
Pol.	Horizontal					Vertical																																																																																																																																								
Peak Avg	Level (dBuV/m) Date: 2025-07-14  Site : 03CH16-HY Condition: PEAK_74 3m 91280-1522_250327 HORIZONTAL <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th colspan="2"></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>4880.00</td><td>40.55</td><td>74.00</td><td>-33.45</td><td>62.57</td><td>32.86</td><td>11.05</td><td>66.33</td><td>0.40</td><td>--</td></tr><tr><td>2</td><td>4880.00</td><td>-12.41</td><td>54.00</td><td>-66.41</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td></tr><tr><td>3</td><td>7320.00</td><td>48.06</td><td>74.00</td><td>-25.94</td><td>63.06</td><td>37.17</td><td>13.28</td><td>65.75</td><td>0.30</td><td>100</td></tr><tr><td>4</td><td>7320.00</td><td>-4.90</td><td>54.00</td><td>-58.90</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td></tr></table> Level (dBuV/m) Date: 2025-07-14  Site : 03CH16-HY Condition: PEAK_74 3m 91280-1522_250327 VERTICAL <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th colspan="2"></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>4880.00</td><td>45.32</td><td>74.00</td><td>-28.68</td><td>67.39</td><td>32.82</td><td>11.05</td><td>66.34</td><td>0.40</td><td>197</td></tr><tr><td>2</td><td>4880.00</td><td>-7.64</td><td>54.00</td><td>-61.64</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td></tr><tr><td>3</td><td>7320.00</td><td>49.11</td><td>74.00</td><td>-24.89</td><td>64.19</td><td>37.08</td><td>13.29</td><td>65.76</td><td>0.31</td><td>396</td></tr><tr><td>4</td><td>7320.00</td><td>-3.85</td><td>54.00</td><td>-57.85</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td></tr></table>											Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos			Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor	cm	deg	1	4880.00	40.55	74.00	-33.45	62.57	32.86	11.05	66.33	0.40	--	2	4880.00	-12.41	54.00	-66.41	--	--	--	--	--	--	3	7320.00	48.06	74.00	-25.94	63.06	37.17	13.28	65.75	0.30	100	4	7320.00	-4.90	54.00	-58.90	--	--	--	--	--	--		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos			Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor	cm	deg	1	4880.00	45.32	74.00	-28.68	67.39	32.82	11.05	66.34	0.40	197	2	4880.00	-7.64	54.00	-61.64	--	--	--	--	--	--	3	7320.00	49.11	74.00	-24.89	64.19	37.08	13.29	65.76	0.31	396	4	7320.00	-3.85	54.00	-57.85	--	--	--	--	--	--
		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																																																																					
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2	4880.00	-12.41	54.00	-66.41	--	--	--	--	--	--																																																																																																																																				
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2	4880.00	-7.64	54.00	-61.64	--	--	--	--	--	--																																																																																																																																				
3	7320.00	49.11	74.00	-24.89	64.19	37.08	13.29	65.76	0.31	396																																																																																																																																				
4	7320.00	-3.85	54.00	-57.85	--	--	--	--	--	--																																																																																																																																				



Mode	5	
	Harmonic	
	2400-2483.5_Bluetooth-LE_GFSK_CH38_2440MHz	
ANT	3	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	Level (dBuV/m) Date: 2025-07-14  Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_250327 HORIZONTAL	Level (dBuV/m) Date: 2025-07-14  Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_250327 VERTICAL
	Level (dBuV/m) Date: 2025-07-14  Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_250327 HORIZONTAL	Level (dBuV/m) Date: 2025-07-14  Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_250327 VERTICAL

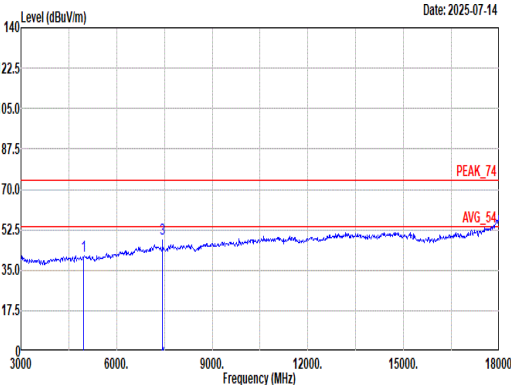
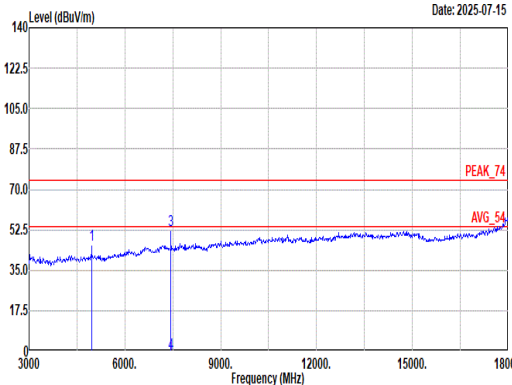


Mode	6																																																																																																																													
	Band Edge																																																																																																																													
	2400-2483.5_Bluetooth-LE_GFSK_CH76_2478MHz																																																																																																																													
ANT	3																																																																																																																													
Pol.	Horizontal						Fundamental																																																																																																																							
Peak	Level (dBuV/m) Date: 2025-07-14 Site : 03CH16-HY Condition: PEAK_BE_74 3m 91200-1522_250327 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2409.20</td><td>59.19</td><td>74.00</td><td>-14.81</td><td>43.75</td><td>27.99</td><td>7.87</td><td>30.34</td><td>9.92</td><td>400</td><td>354</td><td>Peak</td></tr><tr><td>2</td><td>2409.20</td><td>6.23</td><td>54.00</td><td>-47.77</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>AVERAGE</td></tr></table>							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	cm	deg	1	2409.20	59.19	74.00	-14.81	43.75	27.99	7.87	30.34	9.92	400	354	Peak	2	2409.20	6.23	54.00	-47.77	--	--	--	--	--	--	--	AVERAGE	Level (dBuV/m) Date: 2025-07-14 Site : 03CH16-HY Condition: PEAK_74 3m 91200-1522_250327 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2478.00</td><td>105.24</td><td>-----</td><td>-----</td><td>89.94</td><td>27.88</td><td>7.85</td><td>30.35</td><td>9.92</td><td>400</td><td>354</td><td>Peak</td></tr><tr><td>2</td><td>2478.00</td><td>52.28</td><td>54.00</td><td>-1.72</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>Average</td></tr></table>							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	cm	deg	1	2478.00	105.24	-----	-----	89.94	27.88	7.85	30.35	9.92	400	354	Peak	2	2478.00	52.28	54.00	-1.72	--	--	--	--	--	--	--	Average
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																																																						
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1	2409.20	59.19	74.00	-14.81	43.75	27.99	7.87	30.34	9.92	400	354	Peak																																																																																																																		
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Mode	6																																																																																																																			
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ANT	3																																																																																																																			
Pol.	Vertical						Fundamental																																																																																																													
Peak	Level (dBuV/m) Date: 2025-07-14 Site : 03CH16-HY Condition: PEAK_BE_74 3m 91200-1522_250327 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>2491.75</td><td>59.47</td><td>74.00</td><td>-14.53</td><td>44.02</td><td>28.00</td><td>7.87</td><td>30.34</td><td>9.92</td><td>311</td><td>0</td><td>Peak</td></tr><tr><td>2</td><td>2491.75</td><td>6.51</td><td>54.00</td><td>-47.49</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>AVERAGE</td></tr></table>							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	2491.75	59.47	74.00	-14.53	44.02	28.00	7.87	30.34	9.92	311	0	Peak	2	2491.75	6.51	54.00	-47.49	--	--	--	--	--	--	--	AVERAGE	Level (dBuV/m) Date: 2025-07-14 Site : 03CH16-HY Condition: PEAK_74 3m 91200-1522_250327 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>2478.00</td><td>107.74</td><td>-----</td><td>-----</td><td>92.44</td><td>27.88</td><td>7.85</td><td>30.35</td><td>9.92</td><td>311</td><td>0</td><td>Peak</td></tr><tr><td>2</td><td>2478.00</td><td>54.78</td><td>54.00</td><td>0.78</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>Average</td></tr></table>							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	2478.00	107.74	-----	-----	92.44	27.88	7.85	30.35	9.92	311	0	Peak	2	2478.00	54.78	54.00	0.78	--	--	--	--	--	--	--	Average
	Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark																																																																																																								
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2	2491.75	6.51	54.00	-47.49	--	--	--	--	--	--	--	AVERAGE																																																																																																								
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Mode	6																																																																																																																																																																						
	Harmonic																																																																																																																																																																						
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Pol.	Horizontal						Vertical																																																																																																																																																																
Peak Avg	 Level (dBuV/m) Date: 2025-07-14 PEAK_74 AVG_54 Frequency (MHz)						 Level (dBuV/m) Date: 2025-07-15 PEAK_74 AVG_54 Frequency (MHz)																																																																																																																																																																
	Site : 03CH16-HY Condition: PEAK_74 3m 91280-1522_250327 HORIZONTAL						Site : 03CH16-HY Condition: PEAK_74 3m 91280-1522_250327 VERTICAL																																																																																																																																																																
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Mode	6	
	Harmonic	
	2400-2483.5_Bluetooth-LE_GFSK_CH76_2478MHz	
ANT	3	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	Level (dBuV/m) Date: 2025-07-14 Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_250327 HORIZONTAL	Level (dBuV/m) Date: 2025-07-14 Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_250327 VERTICAL
	Level (dBuV/m) Date: 2025-07-14 Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_250327 HORIZONTAL	Level (dBuV/m) Date: 2025-07-14 Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_250327 VERTICAL

<Ant 3 for 2Mbps>

C2-1. Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	2400-2483.5	3	Bluetooth-LE_GFSK	02	2404	2Mbps	-	-
Mode 2	2400-2483.5	3	Bluetooth-LE_GFSK	38	2440	2Mbps	-	-
Mode 3	2400-2483.5	3	Bluetooth-LE_GFSK	76	2478	2Mbps	-	-
Mode 13	2400-2483.5	3	Bluetooth-LE_GFSK	76	2478	2Mbps	-	LF
Mode 14	2400-2483.5	3	Bluetooth-LE_GFSK	76	2478	2Mbps	-	SHF

C2-2. 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-LE_GFSK	02	2349.57	58.46	74.00	-15.54	V	Peak	Pass	-	Band Edge
	Bluetooth-LE_GFSK	02	4808.00	44.14	74.00	-29.86	V	Peak	Pass	-	Harmonic
2	Bluetooth-LE_GFSK	38	2498.44	59.32	74.00	-14.68	H	Peak	Pass	-	Band Edge
	Bluetooth-LE_GFSK	38	7320.00	48.67	74.00	-25.33	V	Peak	Pass	-	Harmonic
3	Bluetooth-LE_GFSK	76	2499.14	59.55	74.00	-14.45	V	Peak	Pass	-	Band Edge
	Bluetooth-LE_GFSK	76	4956.00	49.21	74.00	-24.79	V	Peak	Pass	-	Harmonic
13	LF	76	199.75	36.91	43.50	-6.59	H	Peak	Pass	-	LF
14	SHF	76	25384.00	38.79	74.00	-35.21	V	Peak	Pass	-	SHF



Mode	1																																																																																																																			
	Band Edge																																																																																																																			
	2400-2483.5_Bluetooth-LE_GFSK_CH02_2404MHz																																																																																																																			
ANT	3																																																																																																																			
Pol.	Horizontal						Fundamental																																																																																																													
Peak	Level (dBuV/m) Date: 2025-07-13 Site : 03CH16-HY Condition: PEAK_BE_74 3m 91200-1522_250327 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>2389.34</td><td>58.85</td><td>74.00</td><td>-15.95</td><td>43.34</td><td>27.49</td><td>7.71</td><td>30.41</td><td>9.92</td><td>107</td><td>43</td><td>Peak</td></tr><tr><td>2</td><td>2389.34</td><td>2.13</td><td>54.00</td><td>-51.87</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>AVERAGE</td></tr></table>							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	2389.34	58.85	74.00	-15.95	43.34	27.49	7.71	30.41	9.92	107	43	Peak	2	2389.34	2.13	54.00	-51.87	--	--	--	--	--	--	--	AVERAGE	Level (dBuV/m) Date: 2025-07-13 Site : 03CH16-HY Condition: PEAK_74 3m 91200-1522_250327 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>2404.00</td><td>112.79</td><td>-----</td><td>-----</td><td>97.93</td><td>27.60</td><td>7.74</td><td>30.40</td><td>9.92</td><td>107</td><td>43</td><td>Peak</td></tr><tr><td>2</td><td>2404.00</td><td>56.87</td><td>54.00</td><td>2.87</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>Average</td></tr></table>							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	2404.00	112.79	-----	-----	97.93	27.60	7.74	30.40	9.92	107	43	Peak	2	2404.00	56.87	54.00	2.87	--	--	--	--	--	--	--	Average
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Peak Avg	Level (dBuV/m) Date: 2025-07-14 Frequency (MHz) Site : 03CH16-HY Condition: PEAK_74 3m 91200-1522_250327 HORIZONTAL <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>4808.00</td><td>40.00</td><td>74.00</td><td>-34.00</td><td>62.40</td><td>32.56</td><td>11.04</td><td>66.39</td><td>0.39</td><td>--</td><td>-- Peak</td></tr><tr><td>2</td><td>4808.00</td><td>-15.92</td><td>54.00</td><td>-69.92</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>-- Average</td></tr></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	4808.00	40.00	74.00	-34.00	62.40	32.56	11.04	66.39	0.39	--	-- Peak	2	4808.00	-15.92	54.00	-69.92	--	--	--	--	--	--	-- Average	Level (dBuV/m) Date: 2025-07-14 Frequency (MHz) Site : 03CH16-HY Condition: PEAK_74 3m 91200-1522_250327 VERTICAL <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>4808.00</td><td>44.14</td><td>74.00</td><td>-29.86</td><td>66.54</td><td>32.56</td><td>11.04</td><td>66.39</td><td>0.39</td><td>268</td><td>345 Peak</td></tr><tr><td>2</td><td>4808.00</td><td>-11.78</td><td>54.00</td><td>-65.78</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>-- Average</td></tr></table>						Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	4808.00	44.14	74.00	-29.86	66.54	32.56	11.04	66.39	0.39	268	345 Peak	2	4808.00	-11.78	54.00	-65.78	--	--	--	--	--	--	-- Average
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