



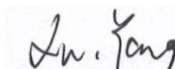
TEST REPORT

For BT EDR

Report No.....	: CHTW25090046	
Project No	: SHT2508057501W	
FCC ID	: 2ASWW-GT22	
Applicant's name	: XINCHUANGXIN INTERNATIONAL CO. LTD	
Address	: ROOM 605 6/F, FA YUEN COMMERCIAL BUILDING, 75-77 FA YUEN STREET MONGKOK KL	
Product Name	: Feature phone	
Trade Mark.....	: CORN	
Model No.....	: GT22	
Listed Model(s)	: -	
Standard	: FCC CFR Title 47 Part 15 Subpart C § 15.247	
Date of receipt of test sample.....	: 2025/8/27	
Date of testing.....	: 2025/8/28- 2025/9/12	
Date of issue.....	: 2025/9/19	
Result.....	: PASS	

Compiled by (Position+Printed name+Signature) :	File administrator	Caspar Chen	
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Supervised by (Position+Printed name+Signature) :	Project Engineer	Xiaodong Zhao	
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Approved by (Position+Printed name+Signature) :	RF Manager	Xu Yang	
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Testing Laboratory Name : **Shenzhen Huatongwei International Inspection Co., Ltd.**

Address

Building 7, Baiwang Idea Factory, No.1051, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong, China

Test Report Form No. : R0066

Test Report Form(s) Originator : Shenzhen Huatongwei International Inspection Co., Ltd.

Master TRF : Dated 2025-07

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1. TEST STANDARDS AND REPORT VERSION

1.1. Test Standards

The tests were performed according to following standards:

- [FCC CFR Title 47 Part 15 Subpart C § 15.247](#): Operation within the bands 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz
- [ANSI C63.10:2020](#): American National Standard for Testing Unlicensed Wireless Devices
- [KDB 558074 D01 15.247 Meas Guidance v05r02](#): Guidance for Compliance Measurements on Digital Transmission System, Frequency Hopping Spread Spectrum System, and Hybrid System Devices Operating under Section 15.247 of The FCC Rules

1.2. Report version

Revision No.	Date of issue	Description
N/A	2025-09-19	Original

2. TEST DESCRIPTION

Report clause	Test Items	Standard Requirement	Result	Test Engineer
5.1	Antenna Requirement	15.203/15.247 (c)	PASS	Xianyu.Wei
5.2	AC Conducted Emission	15.207	PASS	Junxu.Lin
5.3	Peak Output Power	15.247 (b)(1)	PASS	Xianyu.Wei
5.4	20 dB Bandwidth	15.247 (a)(1)	PASS	Xianyu.Wei
5.5	99% Occupied Bandwidth	-	PASS*1	Xianyu.Wei
5.6	Carrier Frequency Separation	15.247 (a)(1)	PASS	Xianyu.Wei
5.7	Hopping Channel Number	15.247 (a)(1)	PASS	Xianyu.Wei
5.8	Dwell Time	15.247 (a)(1)	PASS	Xianyu.Wei
5.9	Duty Cycle Correction Factor	-	PASS*1	Xianyu.Wei
5.10	Pseudorandom Frequency Hopping Sequence	15.247(b)(4)	PASS	Xianyu.Wei
5.11	Conducted Band Edge and Spurious Emission	15.247(d)/15.205	PASS	Xianyu.Wei
5.12	Radiated Band Edge Emission	15.205/15.209	PASS	Yifan.Wang
5.13	Radiated Spurious Emission	15.247(d)/15.205/15.209	PASS	Yifan.Wang Xiaohang.Zhou

Note:

- The measurement uncertainty is not included in the test result.
- *1: No requirement on standard, only report these test data.

3. SUMMARY

3.1. Client Information

Applicant:	XINCHUANGXIN INTERNATIONAL CO. LTD
Address:	ROOM 605 6/F, FA YUEN COMMERCIAL BUILDING, 75-77 FA YUEN STREET MONGKOK KL
Manufacturer:	Shenzhen Chiteng Technology Co.,LTD
Address:	Second Floor,Area A, Building 4, Huiye Technology Workshop, Guangang Road, Tangjia Community, Gongming Street, Guangming New District, Shenzhen, Guangdong

3.2. Product Description

Main unit information:	
Product Name:	Feature phone
Trade Mark:	CORN
Model No.:	GT22
Listed Model(s):	-
Power supply:	DC 3.7V from Battery
Hardware version:	ZS621TF_MB_V1.0
Software version:	ZS621TF_128160_A18415TFM_GT22_CORN_EnFrPoSp_V02_20250909
Accessory unit information:	
Battery information:	BL-5C Voltage:3.7V Capcaity:1000mAh 3.7V Li-ion BATTERY 3.7 Wh
Adapter information:	Input: 100-240Vac 50/60Hz 150mA Output: DC 5.2V 500mA

3.3. Radio Specification Description

Bluetooth version:	V5.0
Support function:	EDR
Modulation:	GFSK, $\pi/4$ DQPSK, 8DPSK
Operation frequency:	2402MHz~2480MHz
Channel number:	79
Channel separation:	1MHz
Antenna type:	PIFA Antenna
Antenna gain:	0.84dBi

3.4. Testing Laboratory Information

Laboratory Name	Shenzhen Huatongwei International Inspection Co., Ltd.	
Laboratory Location	Building 7, Baiwang Idea Factory, No.1051, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong, China	
Contact information:	Phone: 400-963-0755 E-mail: cs@szhtw.com.cn http://www.szhtw.com.cn	
Qualifications	Type	Accreditation Number
	FCC Registration Number	762235
	FCC Designation Number	CN1181

4. TEST CONFIGURATION

4.1. Test frequency list

According to section 15.31(m), regards to the operating frequency range over 10 MHz, must select three channels which were tested. The Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, please see the below blue front.

Channel	Frequency (MHz)
00	2402
01	2403
:	:
39	2441
:	:
77	2479
78	2480

4.2. Descriptions of Test mode

Preliminary tests were performed in different data rates and recorded the RF output power in the clause 5.3

Note:

- 1) The manufacturer declare that the maximum power value of the product is set as a default value in the enter test mode software.
- 2) All the test data for each data rate were verified, found 8DPSK Modulation which is worse case mode

4.3. Test mode

For RF test items:			
The engineering test program was provided and enabled to make EUT continuous transmitting.			
Test Item	Modulation / Data Rate		
	GFSK 1Mbps	$\pi/4$ DQPSK 2Mbps	8DPSK 3Mbps
Conducted test item	✓	✓	✓
Radiated test item	-	-	✓
Remark:			
– For radiated test item, the worst mode data rate 3Mbps was reported only, because this data rate has the highest RF output power at preliminary tests. – The EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.			

4.4. Test sample information

Test item	HTW sample no.
RF Conducted test items	Refer to the description in the appendix report
RF Radiated test items	YPHT25080575001
EMI test items	YPHT25080575001

Note:

RF Conducted test items: Peak Output Power, 20 dB Bandwidth, 99% Occupied Bandwidth, Carrier Frequency Separation, Hopping Channel Number, Dwell Time, Duty Cycle Correction Factor, Pseudorandom Frequency Hopping Sequence, Conducted Band Edge and Spurious Emission

RF Radiated test items: Radiated Band Edge Emission, Radiated Spurious Emission

EMI test items: AC Conducted Emission

4.5. Support unit used in test configuration and system

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The following peripheral devices and interface cables were connected during the measurement:

Whether support unit is used?			
✓ No			
Item	Equipment	Trade Name	Model No.
1			
2			

4.6. Testing environmental condition

Type	Requirement	Actual
Temperature:	15~35°C	25°C
Relative Humidity:	25~75%	50%
Air Pressure:	860~1060mbar	1000mbar

4.7. Statement of the measurement uncertainty

No.	Test Items	Measurement Uncertainty
1	AC Conducted Emission	3.21dB
2	Peak Output Power	1.07
3	Power Spectral Density	1.07
4	6dB Bandwidth	0.002%
5	99% Occupied Bandwidth	0.002%
6	Duty cycle	-
7	Conducted Band Edge and Spurious Emission	1.68dB
8	Radiated Band Edge Emission	4.54dB for 30MHz-1GHz 5.10dB for above 1GHz
9	Radiated Spurious Emission	4.54dB for 30MHz-1GHz 5.10dB for above 1GHz

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=1.96$.

4.8. Equipment Used during the Test

● RF Test Software					
Used	Test Item	Software Name	Manufacturer	Equipment No.	Version
●	RF Conducted	JS1120-3 RF Test Software	Tonscend	-	V3.6.21
●	Radiated Spurious Emission	EMC32	R&S	HTWER012	V10.60.20
●	Radiated Spurious Emission	E3	AUDIX	HTWER006	V6.110407a

● RF Conducted test item							
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Signal and spectrum Analyzer	R&S	HTWE0242	FSV40	100048	2025/8/19	2026/8/18
●	Vector signal generator	R&S	HTWE0244	SMBV100A	260790	2025/3/13	2026/3/12
●	OSP	R&S	HTWE0243	OSP120	101317	2025/8/19	2026/8/18
●	10dB Attenuator	R&S	HTWE0250-01	10dB Attenuator-1	N/A	2025/8/22	2026/8/21
●	10dB Attenuator	R&S	HTWE0250-02	10dB Attenuator-2	N/A	2025/8/22	2026/8/21
●	10dB Attenuator	R&S	HTWE0250-03	10dB Attenuator-3	N/A	2025/8/22	2026/8/21
●	10dB Attenuator	R&S	HTWE0250-04	10dB Attenuator-4	N/A	2025/8/22	2026/8/21
●	30dB Attenuator	R&S	HTWE0250-05	30dB Attenuator-5	N/A	2025/8/22	2026/8/21

● Radiated emission- 9kHz~30MHz							
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Semi-Anechoic Chamber	Albatross projects	HTWE0127	SAC-3m-02	C11121	2023/4/6	2026/4/5
●	EMI Test Receiver	R&S	HTWE0099	ESCI 7	100900	2025/8/6	2026/8/5
●	Loop Antenna	R&S	HTWE0546	HFH2-Z2E	101073	2024/4/8	2027/4/7

● Radiated emission- 30MHz~1GHz							
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Semi-Anechoic Chamber	Albatross projects	HTWE0127	SAC-3m-02	C11121	2023/4/6	2026/4/5
●	EMI Test Receiver	R&S	HTWE0099	ESCI 7	100900	2025/8/6	2026/8/5
●	Ultra-Broadband Antenna	SCHWARZBECK	HTWE0119	VULB9163	546	2023/2/22	2026/2/21
●	Pre-Amplifier	SCHWARZBECK	HTWE0295	BBV 9742	/	2025/5/26	2026/5/25
●	CMAD	SCHWARZBECK	HTWE0537	CMAD1614	1614-530	2025/8/4	2026/8/3

● Radiated emission- Above 1GHz							
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Full-Anechoic Chamber	Albatross projects	HTWE0122	SAC-3m-01	C11122	2023/4/17	2026/4/16
●	Spectrum Analyzer	R&S	HTWE0098	FSP40	100597	2025/8/6	2026/8/5
●	Horn Antenna	SCHWARZBECK	HTWE0126	BBHA 9120D	1011	2023/2/14	2026/2/13
●	Broadband Pre-amplifier	SCHWARZBECK	HTWE0551	SCU18F	100855	2025/5/26	2026/5/25

5. TEST CONDITIONS AND RESULTS

5.1. Antenna Requirement

REQUIREMENT

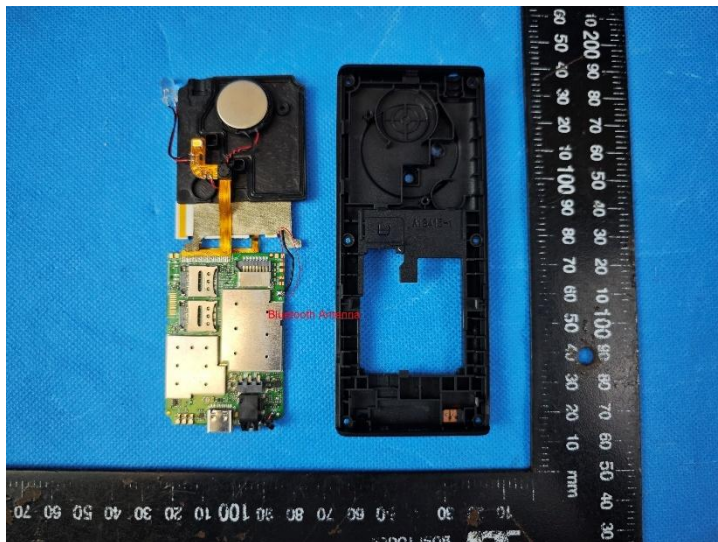
FCC CFR Title 47 Part 15 Subpart C Section 15.203:

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, 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.

TEST RESULT

☒ **Passed** ☐ **Not Applicable**

The antenna type is a PIFA antenna, Refer to the below antenna photo.



5.2. AC Conducted Emission

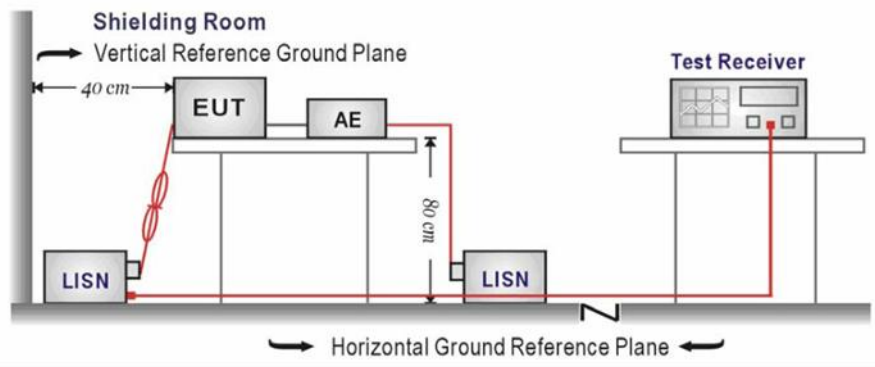
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.207

Frequency range (MHz)	Limit (dBuV)	
	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.

TEST CONFIGURATION



TEST PROCEDURE

1. The EUT was setup according to ANSI C63.10 requirements.
2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
3. The EUT and simulators are connected to the main power through a line impedances stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment.
4. The peripheral devices are also connected to the main power through a LISN. (Refer to the block diagram of the test setup and photographs)
5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
8. During the above scans, the emissions were maximized by cable manipulation.

TEST MODE

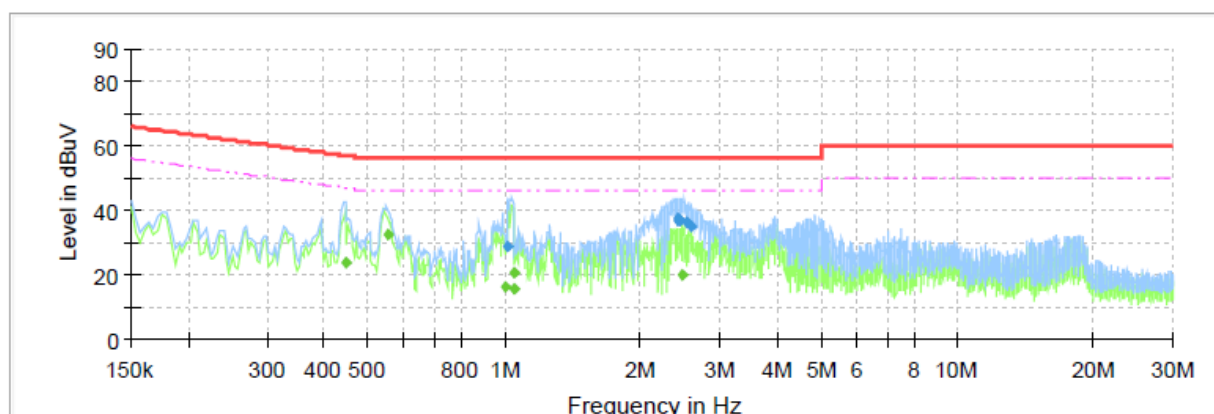
Refer to the clause 4.3

TEST RESULT

☒ Passed ☐ Not Applicable

Test Line:

L

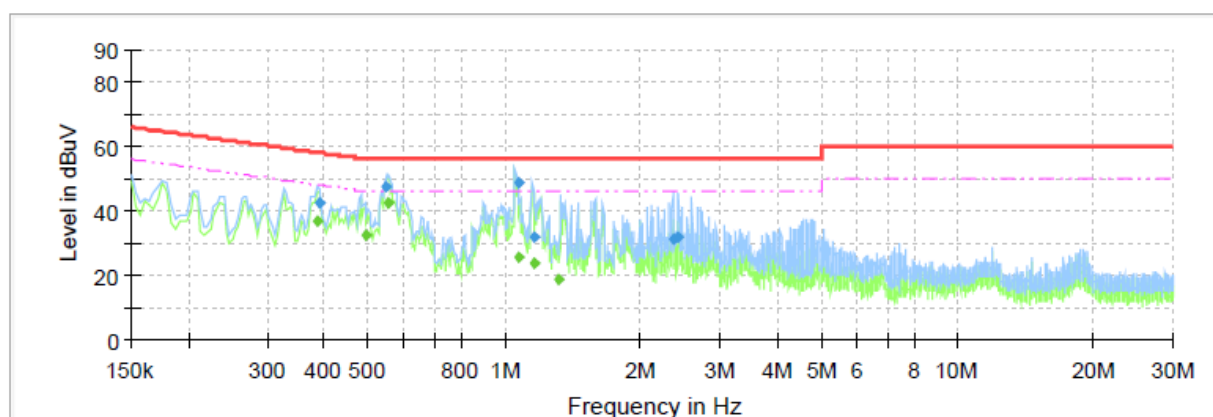


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.4463	---	23.86	46.94	23.09	L1	10.3
0.5513	---	32.65	46.00	13.35	L1	10.4
0.9990	---	15.95	46.00	30.05	L1	10.5
1.0163	28.74	---	56.00	27.26	L1	10.5
1.0475	---	20.51	46.00	25.49	L1	10.5
1.0483	---	15.53	46.00	30.47	L1	10.5
2.4038	36.96	---	56.00	19.04	L1	10.6
2.4268	37.23	---	56.00	18.77	L1	10.6
2.4526	37.14	---	56.00	18.86	L1	10.6
2.4771	---	19.69	46.00	26.31	L1	10.6
2.5230	36.37	---	56.00	19.63	L1	10.6
2.5755	35.13	---	56.00	20.87	L1	10.6

Test Line:

N



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.3866	---	36.92	48.14	11.22	N	10.2
0.3906	42.71	---	58.05	15.34	N	10.2
0.4956	---	32.50	46.07	13.58	N	10.2
0.5465	47.53	---	56.00	8.47	N	10.2
0.5505	---	42.43	46.00	3.57	N	10.2
1.0745	48.87	---	56.00	7.13	N	10.2
1.0755	---	25.43	46.00	20.57	N	10.2
1.1632	31.77	---	56.00	24.23	N	10.2
1.1632	---	23.80	46.00	22.20	N	10.2
1.3103	---	19.00	46.00	27.00	N	10.2
2.3727	31.36	---	56.00	24.64	N	10.2
2.4156	32.07	---	56.00	23.93	N	10.2

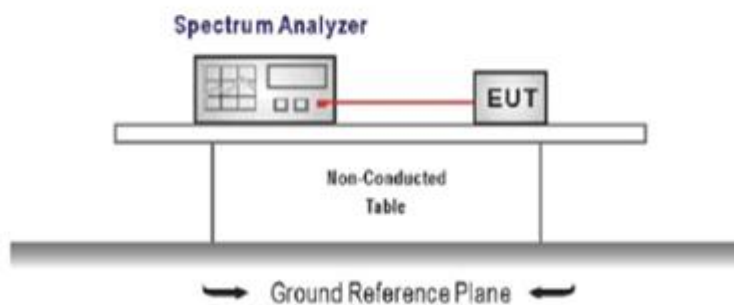
5.3. Peak Output Power

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (b)(1):

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.

TEST CONFIGURATION



TEST PROCEDURE

1. The transmitter output was connected to the spectrum analyzer through an attenuator, the pathloss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit continuously
3. Use the following spectrum analyzer settings:
Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel
RBW $\geq$ the 20 dB bandwidth of the emission being measured, VBW $\geq$ RBW
Sweep = auto, Detector function = peak, Trace = max hold
4. Measure and record the results in the test report.

TEST MODE

Refer to the clause 4.3

TEST RESULT

☒ Passed ☐ Not Applicable

TEST DATA

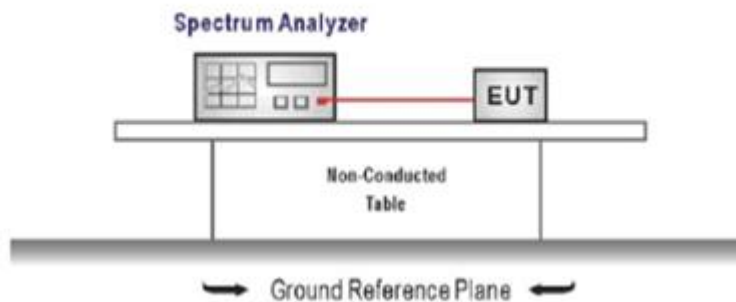
Refer to the appendix report

5.4. 20 dB Bandwidth

LIMIT

N/A

TEST CONFIGURATION



TEST PROCEDURE

1. The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit continuously
3. Use the following spectrum analyzer settings:
Span = approximately 2 to 3 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
4. Measure and record the results in the test report.

TEST MODE

Refer to the clause 4.3

TEST RESULT

☒ Passed ☐ Not Applicable

TEST DATA

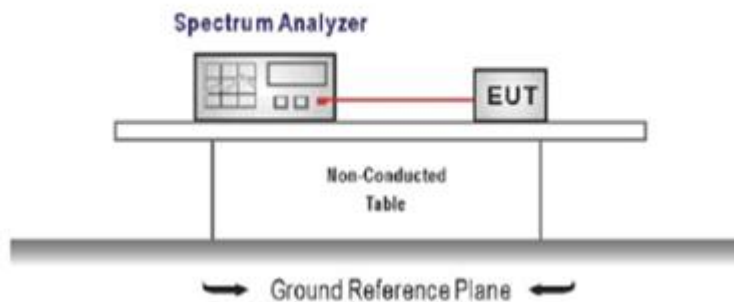
Refer to the appendix report

5.5. 99% Occupied Bandwidth

LIMIT

N/A

TEST CONFIGURATION



TEST PROCEDURE

1. Connect the antenna port(s) to the spectrum analyzer input.
2. Configure the spectrum analyzer as shown below (enter all losses between the transmitter output and the spectrum analyzer).
Center Frequency = channel center frequency
Span $\geq 1.5 \times \text{OBW}$
RBW = 1%~5%OBW
VBW $\geq 3 \times \text{RBW}$
Sweep time = auto couple
Detector = Peak
Trace mode = max hold
3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.

TEST MODE

Refer to the clause 4.3

TEST RESULT

☒ Passed ☐ Not Applicable

TEST DATA

Refer to the appendix report

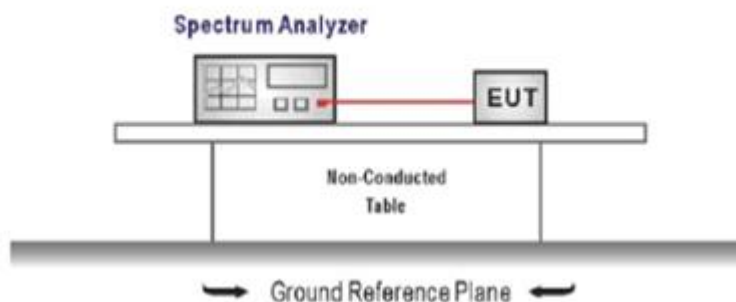
5.6. Carrier Frequencies Separation

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(1):

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, 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, provided the systems operate with an output power no greater than 125 mW.

TEST CONFIGURATION



TEST PROCEDURE

1. The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit continuously
3. Use the following spectrum analyzer settings:
Span = wide enough to capture the peaks of two adjacent channels
RBW $\geq$ 1% of the span, VBW $\geq$ RBW
Sweep = auto, Detector function = peak, Trace = max hold
4. Measure and record the results in the test report.

TEST MODE

Refer to the clause 4.3

TEST RESULTS

☒ Passed ☐ Not Applicable

TEST DATA

Refer to the appendix report

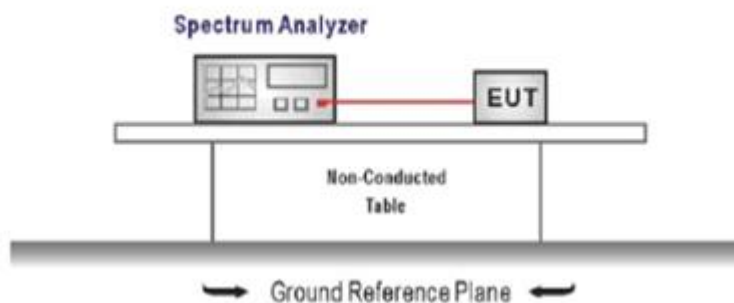
5.7. Hopping Channel Number

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(1):

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

TEST CONFIGURATION



TEST PROCEDURE

1. The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit continuously
3. Use the following spectrum analyzer settings:
Span = the frequency band of operation
RBW $\geq$ 1% of the span, VBW $\geq$ RBW
Sweep = auto, Detector function = peak, Trace = max hold
4. Measure and record the results in the test report.

TEST MODE

Refer to the clause 4.3

TEST RESULTS

☒ Passed ☐ Not Applicable

TEST DATA

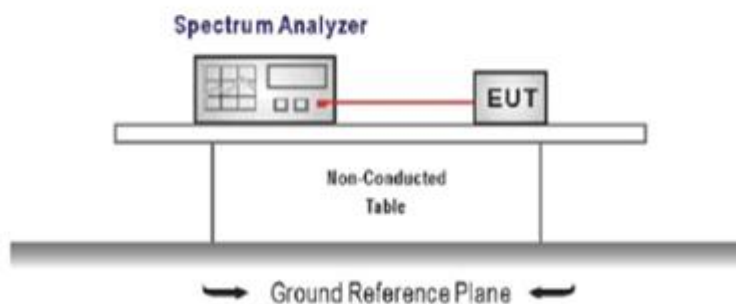
Refer to the appendix report

5.8. Dwell Time

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(1): 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.

TEST CONFIGURATION



TEST PROCEDURE

1. The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit continuously
3. 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
4. Measure and record the results in the test report.

TEST MODE

Refer to the clause 4.3

TEST RESULTS

☒ Passed ☐ Not Applicable

TEST DATA

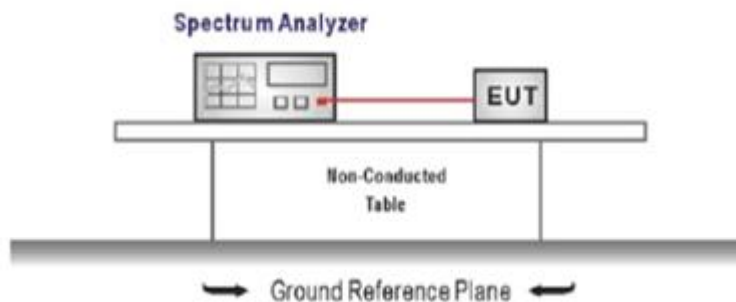
Refer to the appendix report

5.9. Duty Cycle Correction Factor (DCCF)

LIMIT

N/A

TEST CONFIGURATION



TEST PROCEDURE

1. The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit continuously
3. 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, Trigger mode
4. Measure and record the duty cycle data

TEST MODE

Refer to the clause 4.3

TEST DATA

Refer to the appendix report

5.10. Pseudorandom Frequency Hopping Sequence

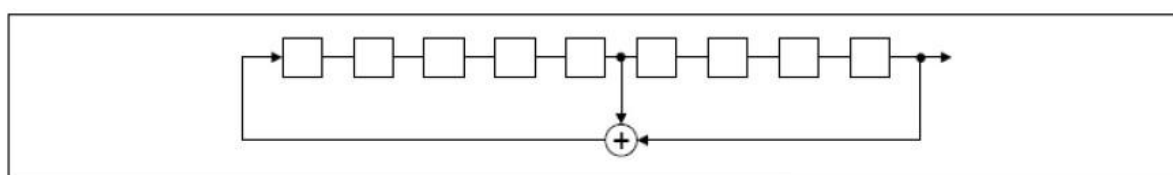
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(1): Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, 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, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

TEST RESULTS

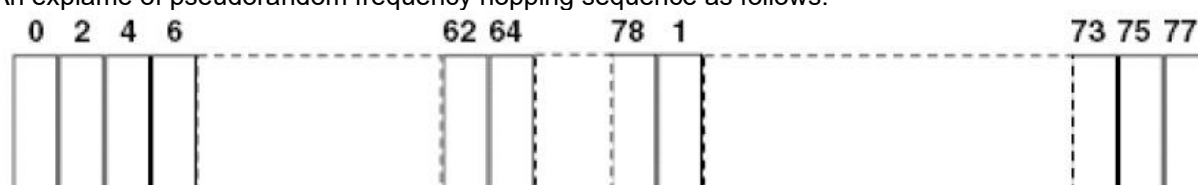
The pseudorandom frequency hopping sequence may be generated in a nine-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first one of 9 consecutive ones, for example: the shift register is initialized with nine ones.

- Number of shift register stages: 9
- Length of pseudo-random sequence: $2^9 - 1 = 511$ bits
- Longest sequence of zeros: 8 (non-inverted signal)



Linear Feedback Shift Register for Generation of the PRBS sequence

An example of pseudorandom frequency hopping sequence as follows:



Each frequency used equally on the average by each transmitter.

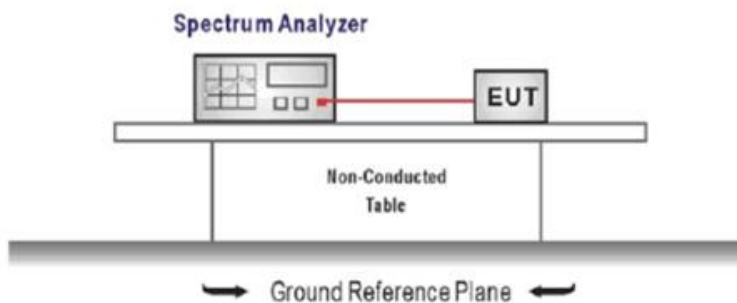
The system receiver has input bandwidths that match the hopping channel bandwidths of their corresponding transmitter and shift frequencies in synchronization with the transmitted signals.

5.11. Conducted Band edge and Spurious Emission

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

TEST CONFIGURATION



TEST PROCEDURE

1. Connect the antenna port(s) to the spectrum analyzer input.
2. Emission level measurement
Set the center frequency and span to encompass frequency range to be measured
 $RBW = 100 \text{ kHz}$, $VBW \geq 3 \times RBW$
Detector = peak, Sweep time = auto couple, Trace mode = max hold
Allow trace to fully stabilize
Use the peak marker function to determine the maximum amplitude level.
3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.
4. Ensure that the amplitude of all unwanted emission outside of the authorized frequency band excluding restricted frequency bands) are attenuated by at least the minimum requirements specified (at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz). Report the three highest emission relative to the limit.

TEST MODE

Refer to the clause 4.3

TEST RESULT

☒ **Passed** ☐ **Not Applicable**

TEST DATA

Refer to the appendix report

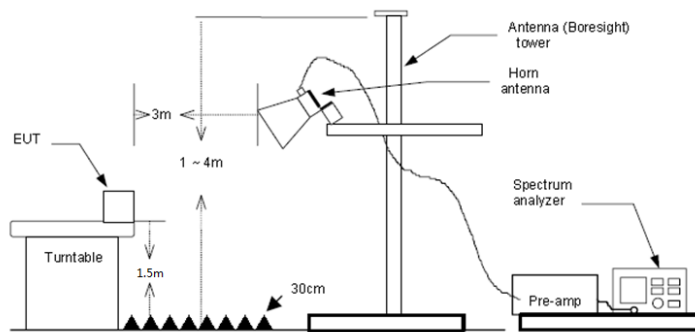
5.12. Radiated Band edge Emission

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d):

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, Radiated Emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the Radiated Emissions limits specified in §15.209(a) (see §15.205(c)).

TEST CONFIGURATION



TEST PROCEDURE

1. The EUT was setup and tested according to ANSI C63.10 .
2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10 on radiated measurement.
5. Use the following spectrum analyzer settings:
 - a) Span shall wide enough to fully capture the emission being measured
 - b) Set RBW=100kHz for <1GHz, VBW=3*RBW, Sweep time=auto, Detector=peak, Trace=max hold
 - c) Set RBW=1MHz, VBW=3MHz for >1GHz, Sweep time=auto, Detector=peak, Trace=max hold for Peak measurement

For average measurement: use duty cycle correction factor method (DCCF)
 Averager level = Peak level + DCCF

TEST MODE

Refer to the clause 4.3

TEST RESULT

☒ Passed ☐ Not Applicable

Note:

- 1) Level= Reading + Factor; Factor =Antenna Factor+ Cable Loss- Preamp Factor
- 2) Over Limit = Level– Limit
- 3) Average measurement was not performed if peak level is lower than average limit(54 dBuV/m).

Test channel:		CH00		Polarity			Horizontal		
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2310.00	47.48	27.86	4.11	41.00	38.45	74.00	-35.55	Peak
2	2390.03	48.50	27.54	4.19	41.00	39.23	74.00	-34.77	Peak

Test channel:		CH00		Polarity			Vertical		
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2310.00	48.14	27.86	4.11	41.00	39.11	74.00	-34.89	Peak
2	2390.03	48.94	27.54	4.19	41.00	39.67	74.00	-34.33	Peak

Test channel:		CH78		Polarity			Horizontal		
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.50	56.59	27.33	4.27	41.00	47.19	74.00	-26.81	Peak
2	2500.00	47.83	27.30	4.28	41.00	38.41	74.00	-35.59	Peak

Test channel:		CH78		Polarity			Vertical		
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.50	58.68	27.33	4.27	41.00	49.28	74.00	-24.72	Peak
2	2500.00	48.51	27.30	4.28	41.00	39.09	74.00	-34.91	Peak

5.13. Radiated Spurious Emission

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.209

Frequency	Limit (dBuV/m)	Value
0.009 MHz ~0.49 MHz	2400/F(kHz) @300m	Quasi-peak
0.49 MHz ~ 1.705 MHz	24000/F(kHz) @30m	Quasi-peak
1.705 MHz ~30 MHz	30 @30m	Quasi-peak

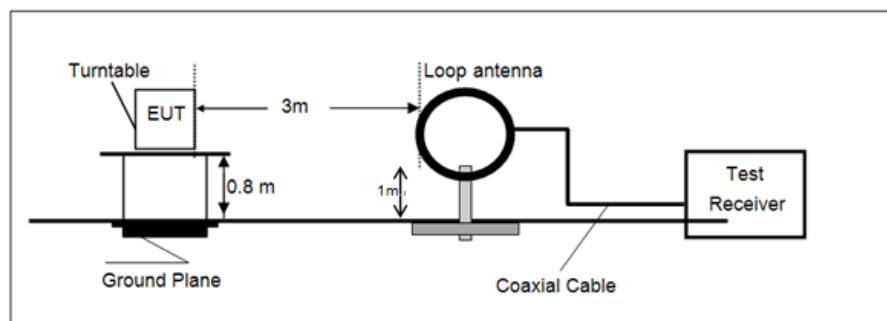
Note: Limit dBuV/m @3m = Limit dBuV/m @300m + 40*log(300/3)= Limit dBuV/m @300m +80,

Limit dBuV/m @3m = Limit dBuV/m @30m +40*log(30/3)= Limit dBuV/m @30m + 40.

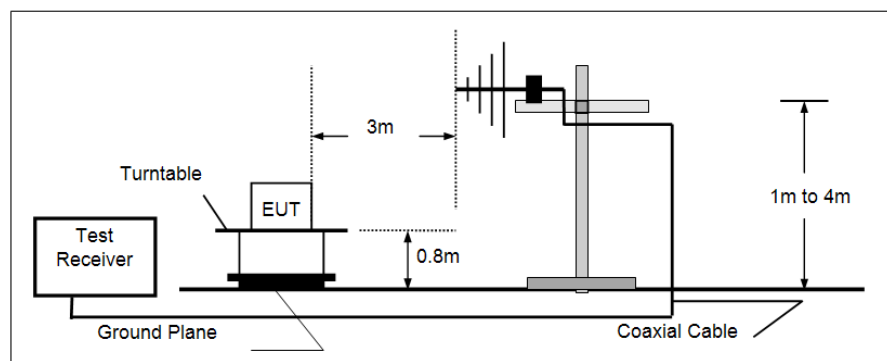
Frequency	Limit (dBuV/m @3m)	Value
30MHz~88MHz	40.00	Quasi-peak
88MHz~216MHz	43.50	Quasi-peak
216MHz~960MHz	46.00	Quasi-peak
960MHz~1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
	74.00	Peak

TEST CONFIGURATION

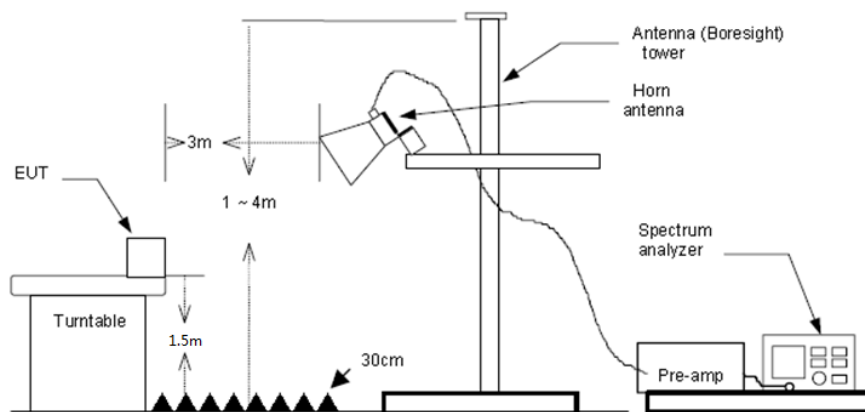
- 9 kHz ~ 30 MHz



- 30 MHz ~ 1 GHz



- Above 1 GHz



TEST PROCEDURE

1. The EUT was setup and tested according to ANSI C63.10.
2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. Use the following spectrum analyzer settings
 - a) Span shall wide enough to fully capture the emission being measured;
 - b) Below 1 GHz:

RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold;

If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
 - c) Set RBW=1MHz, VBW=3MHz for >1GHz, Sweep time=auto, Detector=peak, Trace=max hold for Peak measurement

For average measurement: use duty cycle correction factor method (DCCF)

Averager level = Peak level + DCCF

TEST MODE

Refer to the clause 4.3

TEST RESULT

☒ **Passed** ☐ **Not Applicable**

Note:

- 1) Level= Reading + Factor/Transd; Factor/Transd =Antenna Factor+ Cable Loss- Preamp Factor
- 2) Over Limit = Level– Limit
- 3) Average measurement was not performed if peak level is lower than average limit(54 dBuV/m) for above 1GHz.

For 9 kHz ~ 30 MHz

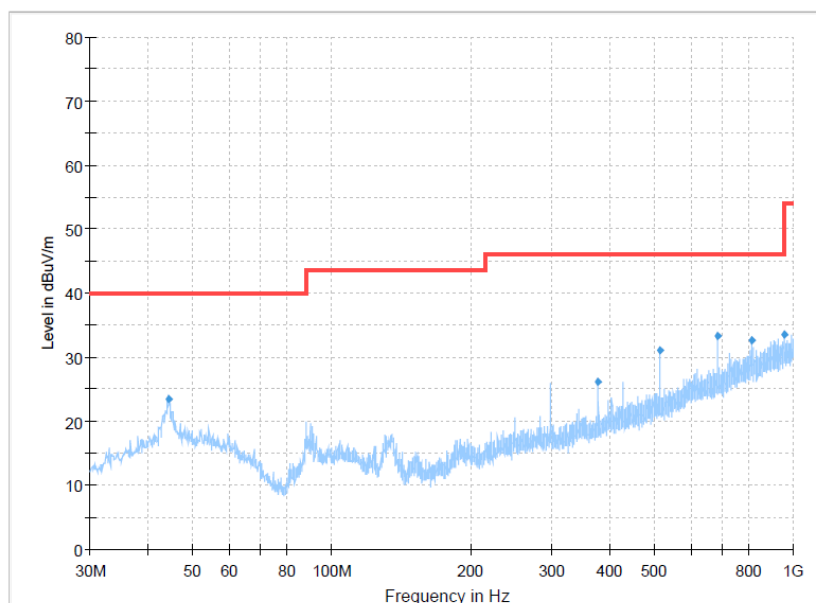
The EUT was pre-scanned this frequency band, found the radiated level 20dB lower than the limit, so don't show data on this report.

For 30 MHz ~ 1000 MHz

Have pre-scan all test channel, found CH39 which it was worst case, so only show the worst case's data on this report.

Polarization:

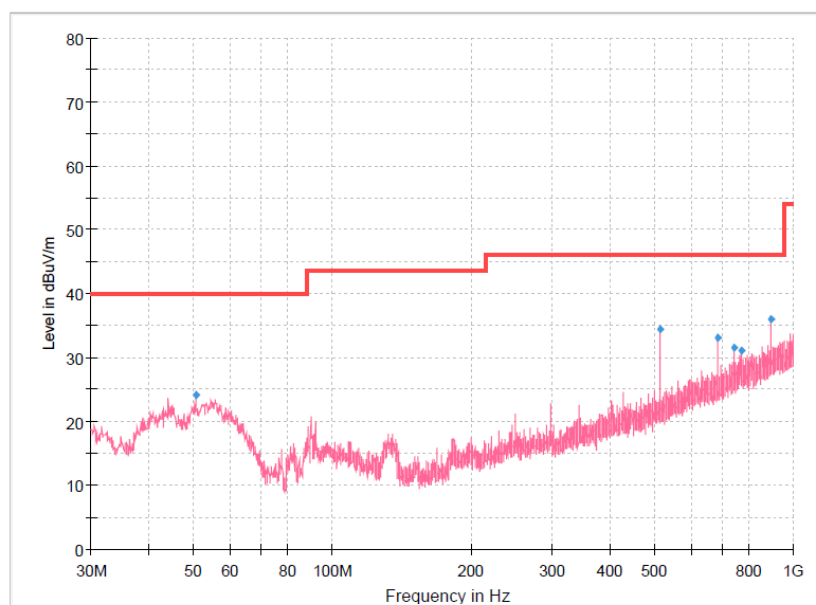
Horizontal

**Final Result**

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
44.4288	23.56	40.00	16.44	100.0	H	50.0	-8.8
378.5938	26.16	46.00	19.84	300.0	H	107.0	-5.1
513.0600	31.00	46.00	15.00	100.0	H	359.0	-1.7
687.5388	33.31	46.00	12.69	100.0	H	39.0	2.1
812.5475	32.67	46.00	13.33	300.0	H	355.0	4.5
957.3200	33.41	46.00	12.59	100.0	H	176.0	7.3

Polarization:

Vertical

**Final Result**

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.7338	24.06	40.00	15.94	100.0	V	75.0	-8.8
513.0600	34.43	46.00	11.57	100.0	V	286.0	-1.7
687.5388	33.07	46.00	12.93	100.0	V	134.0	2.1
744.0413	31.53	46.00	14.47	100.0	V	24.0	3.6
769.5038	31.14	46.00	14.86	100.0	V	6.0	4.1
892.8150	35.99	46.00	10.01	100.0	V	47.0	6.4

For 1 GHz ~ 25 GHz

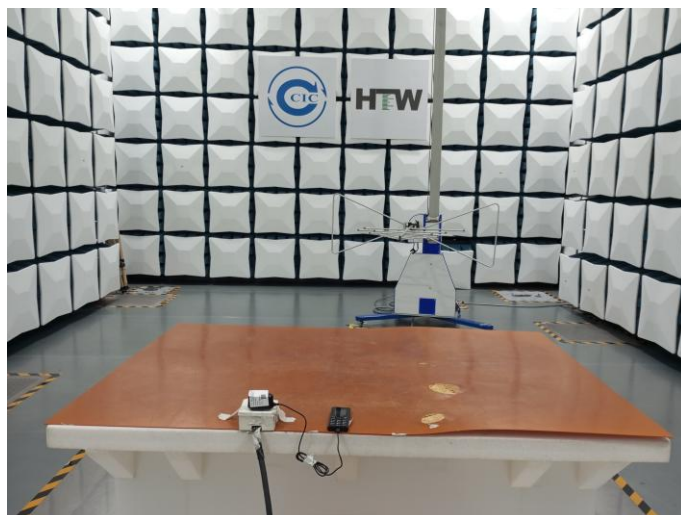
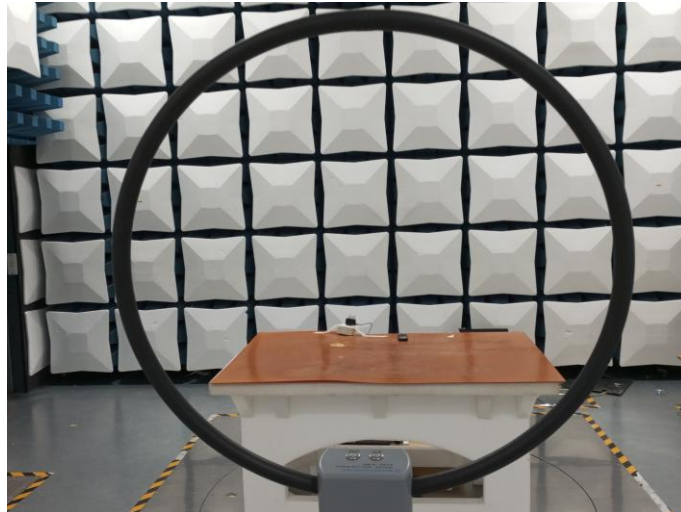
Test channel		CH00			Polarity		Horizontal		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	4809.50	46.80	31.28	6.18	40.11	44.15	74.00	-29.85	Peak
2	7209.02	46.40	36.00	7.79	38.90	51.29	74.00	-22.71	Peak
3	9611.66	44.34	39.12	8.80	40.60	51.66	74.00	-22.34	Peak
4	12024.96	41.95	39.53	10.11	40.79	50.80	74.00	-23.20	Peak
Test channel		CH00			Polarity		Vertical		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	4809.50	54.09	31.28	6.18	40.11	51.44	74.00	-22.56	Peak
2	7209.02	46.35	36.00	7.79	38.90	51.24	74.00	-22.76	Peak
3	9611.66	44.35	39.12	8.80	40.60	51.67	74.00	-22.33	Peak
4	12024.96	42.75	39.53	10.11	40.79	51.60	74.00	-22.40	Peak

Test channel		CH39			Polarity		Horizontal		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	4883.52	49.16	31.20	6.35	40.04	46.67	74.00	-27.33	Peak
2	7319.96	46.57	36.14	7.88	39.05	51.54	74.00	-22.46	Peak
3	9784.47	42.79	39.30	8.80	40.60	50.29	74.00	-23.71	Peak
4	12210.02	42.87	39.47	10.23	41.50	51.07	74.00	-22.93	Peak
Test channel		CH39			Polarity		Vertical		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	4883.52	52.81	31.20	6.35	40.04	50.32	74.00	-23.68	Peak
2	7338.62	47.19	36.18	7.88	39.08	52.17	74.00	-21.83	Peak
3	9784.47	42.31	39.30	8.80	40.60	49.81	74.00	-24.19	Peak
4	12210.02	43.14	39.47	10.23	41.50	51.34	74.00	-22.66	Peak

Test channel		CH78			Polarity		Horizontal		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	4958.68	54.07	31.23	6.34	39.96	51.68	74.00	-22.32	Peak
2	7451.57	46.56	36.20	7.94	39.20	51.50	74.00	-22.50	Peak
3	10348.05	40.56	39.74	9.08	41.09	48.29	74.00	-25.71	Peak
4	12429.54	44.71	38.84	10.36	42.33	51.58	74.00	-22.42	Peak
Test channel		CH78			Polarity		Vertical		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	4958.68	52.40	31.23	6.34	39.96	50.01	74.00	-23.99	Peak
2	7451.57	43.72	36.20	7.94	39.20	48.66	74.00	-25.34	Peak
3	10971.98	40.14	40.50	8.92	40.64	48.92	74.00	-25.08	Peak
4	12429.54	44.32	38.84	10.36	42.33	51.19	74.00	-22.81	Peak

6. TEST SETUP PHOTOS

Radiated Emission





AC Conducted Emission



7. EXTERNAL AND INTERNAL PHOTOS

Refer to the test report No.: CHTW25090043

8. APPENDIX REPORT

APPENDIX REPORT

Project No.	SHT2508057501W	Radio Specification	Bluetooth EDR
Test sample No.	YPHT25080575006	Model No.	GT22
Start test date	2025-09-02	Finish date	2025-09-03
Temperature	25.1℃	Humidity	48%
Test Engineer	Xiangyu Wei	Auditor	Xiaodong Zhao

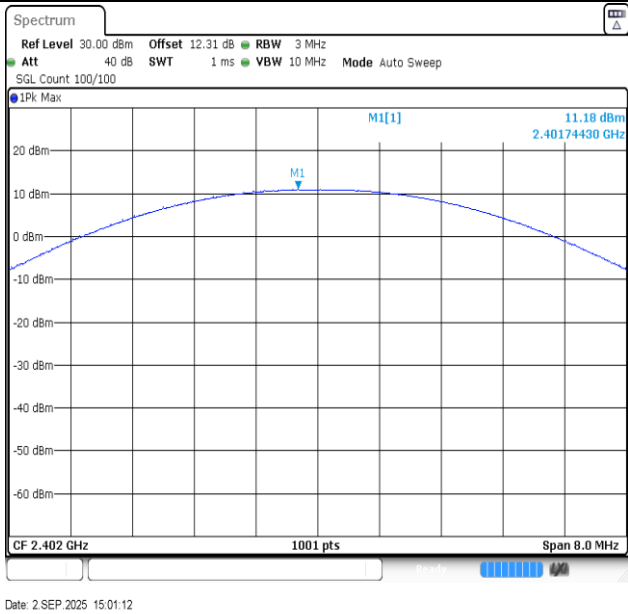
Appendix clause	Test item	Result
A	Peak Output Power	PASS
B	20dB Bandwidth	PASS
C	99% Occupied Bandwidth	PASS
D	Carrier Frequency Separation	PASS
E	Hopping Channel Number	PASS
F	Dwell Time	PASS
G	Duty Cycle Correction Factor (DCCF)	PASS
H	Band edge and Spurious Emission(Conducted)	PASS

Appendix A: Peak Output Power

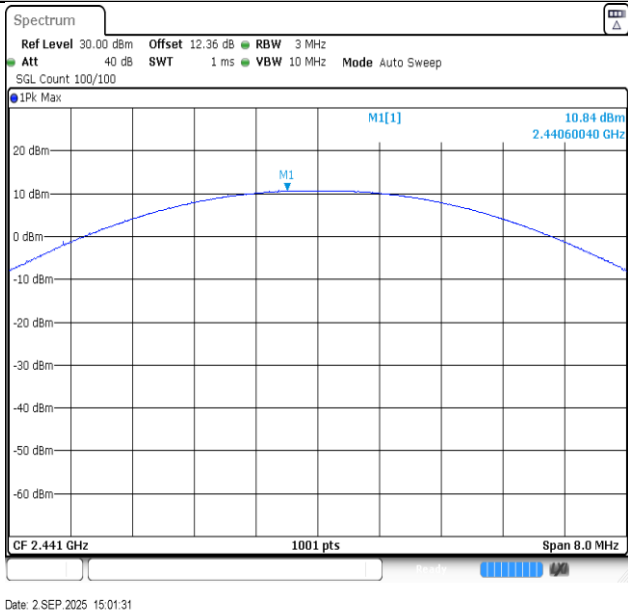
Test Result Peak

Test Mode	Frequency[MHz]	Peak Output Power[dBm]	Average Output Power[dBm]	Limit[dBm]	Verdict
DH5	2402	11.18	11.01	≤20.97	PASS
DH5	2441	10.84	10.71	≤20.97	PASS
DH5	2480	10.78	10.64	≤20.97	PASS
2DH5	2402	12.11	11.94	≤20.97	PASS
2DH5	2441	11.92	11.79	≤20.97	PASS
2DH5	2480	11.81	11.69	≤20.97	PASS
3DH5	2402	12.27	12.08	≤20.97	PASS
3DH5	2441	12.16	11.94	≤20.97	PASS
3DH5	2480	12.04	11.81	≤20.97	PASS

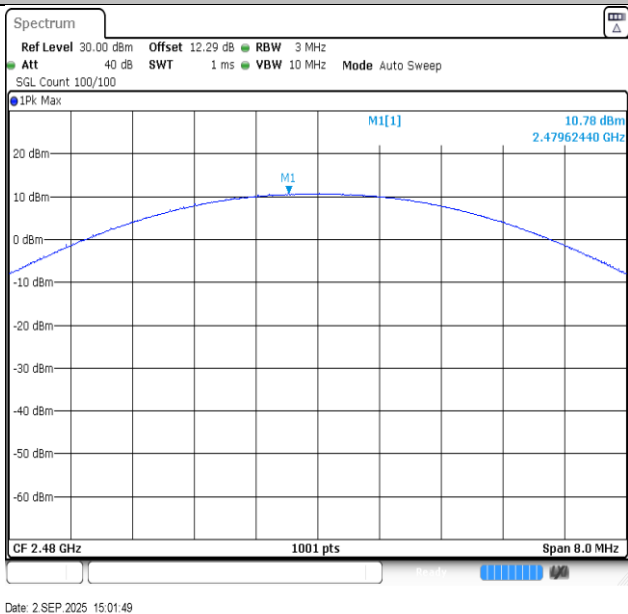
Test Graphs



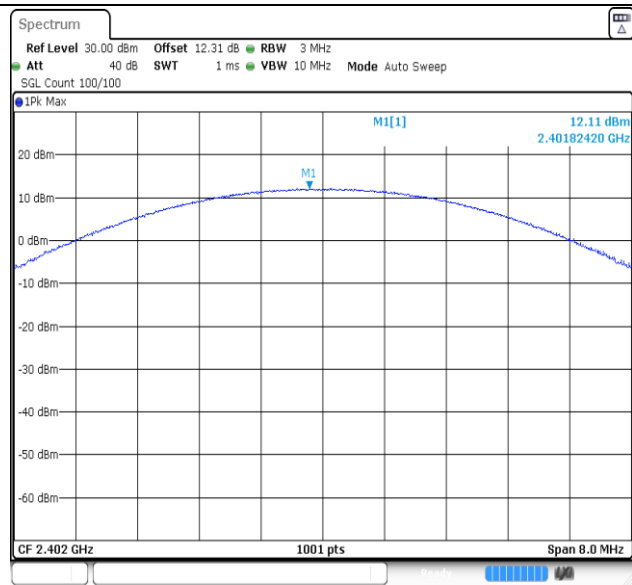
DH5-Ant1-2402-PASS



DH5-Ant1-2441-PASS

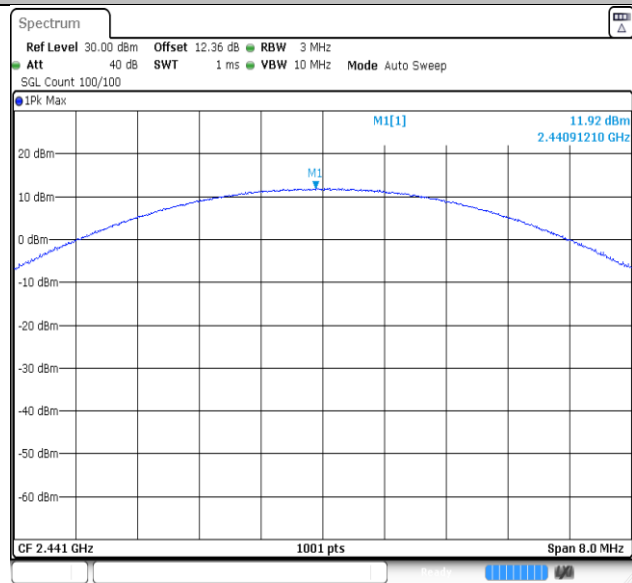


DH5-Ant1-2480-PASS



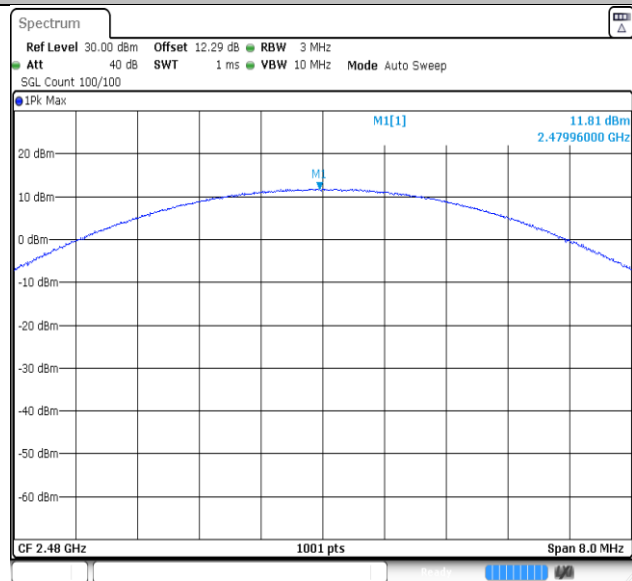
Date: 2 SEP.2025 15:02:28

2DH5-Ant1-2402-PASS



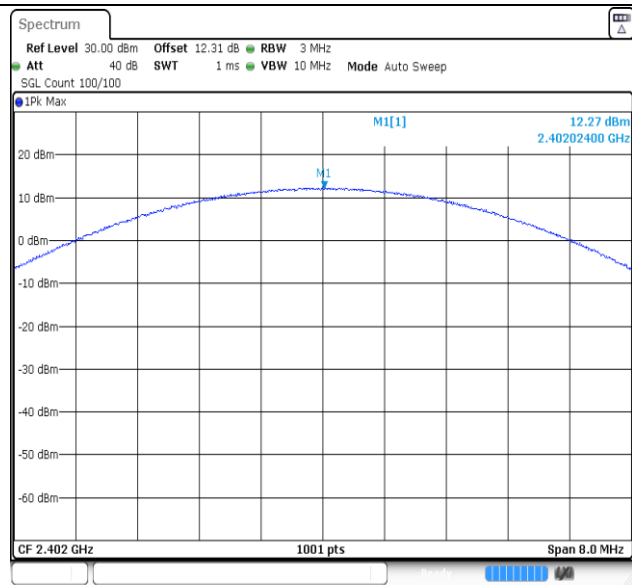
Date: 2 SEP.2025 15:02:45

2DH5-Ant1-2441-PASS



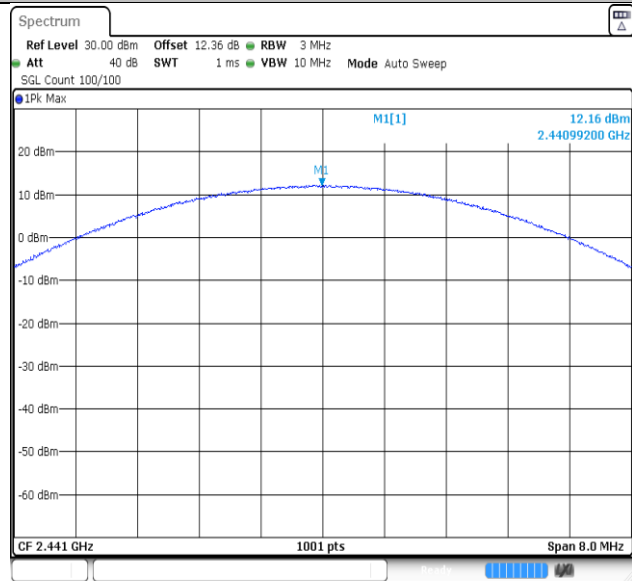
Date: 2 SEP.2025 15:03:01

2DH5-Ant1-2480-PASS



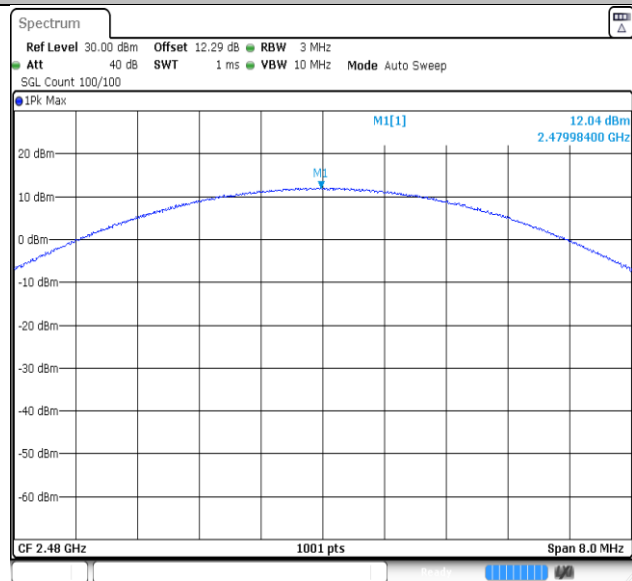
Date: 2 SEP 2025 15:03:28

3DH5-Ant1-2402-PASS



Date: 2 SEP 2025 15:03:52

3DH5-Ant1-2441-PASS



Date: 2 SEP 2025 15:04:14

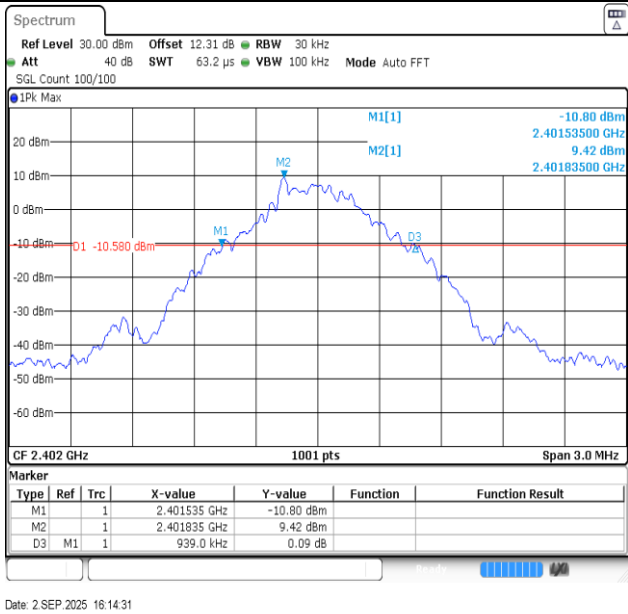
3DH5-Ant1-2480-PASS

Appendix B: 20dB Bandwidth

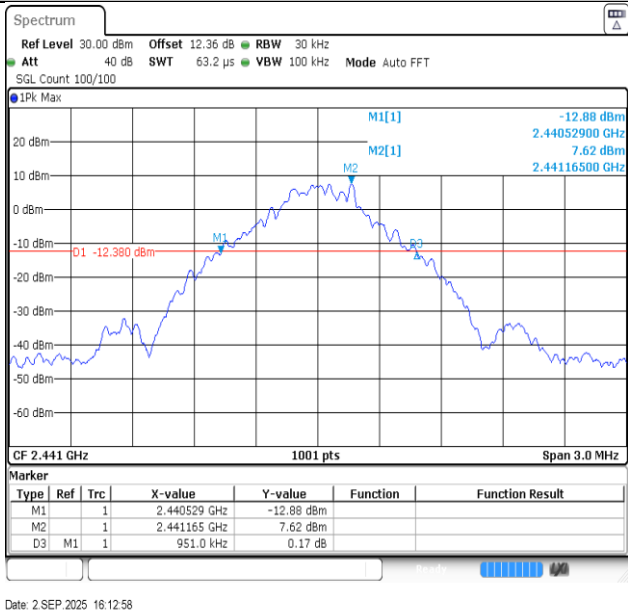
Test Result

TestMode	Frequency[MHz]	20db Bandwidth [MHz]	Limit[MHz]	Verdict
DH5	2402	0.94	---	---
DH5	2441	0.95	---	---
DH5	2480	0.96	---	---
2DH5	2402	1.28	---	---
2DH5	2441	1.33	---	---
2DH5	2480	1.32	---	---
3DH5	2402	1.30	---	---
3DH5	2441	1.31	---	---
3DH5	2480	1.31	---	---

Test Graphs



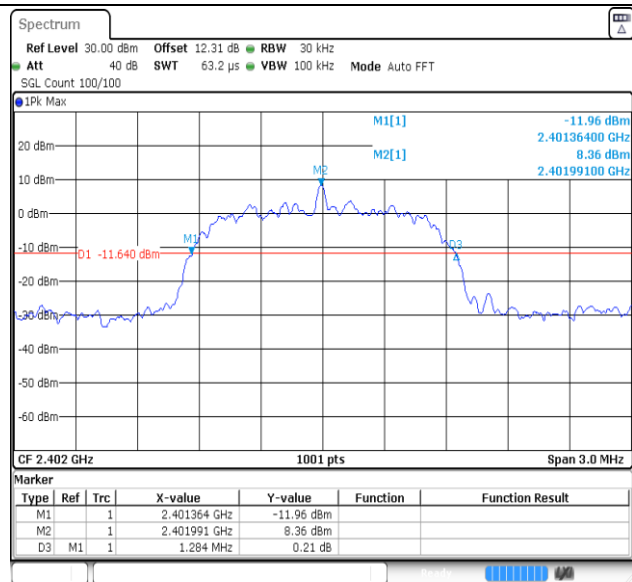
DH5-Ant1-2402



DH5-Ant1-2441

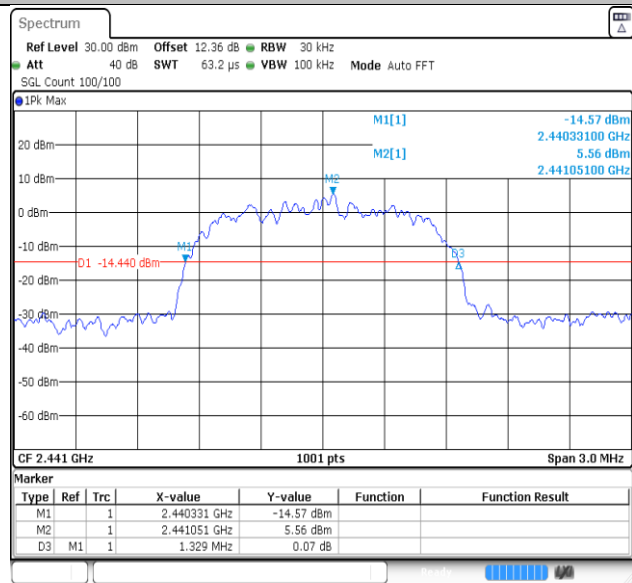


DH5-Ant1-2480



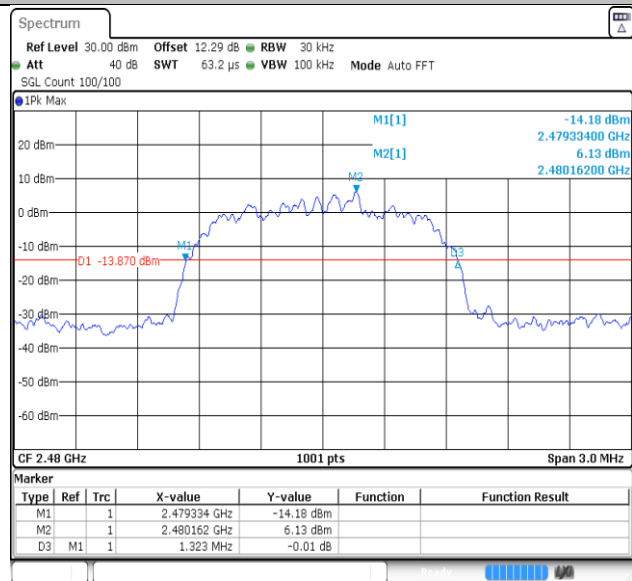
Date: 2 SEP.2025 14:52:41

2DH5-Ant1-2402



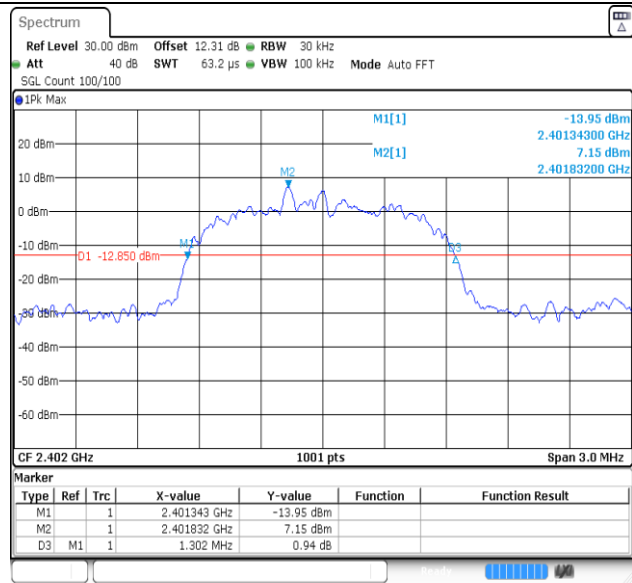
Date: 2 SEP.2025 14:54:13

2DH5-Ant1-2441



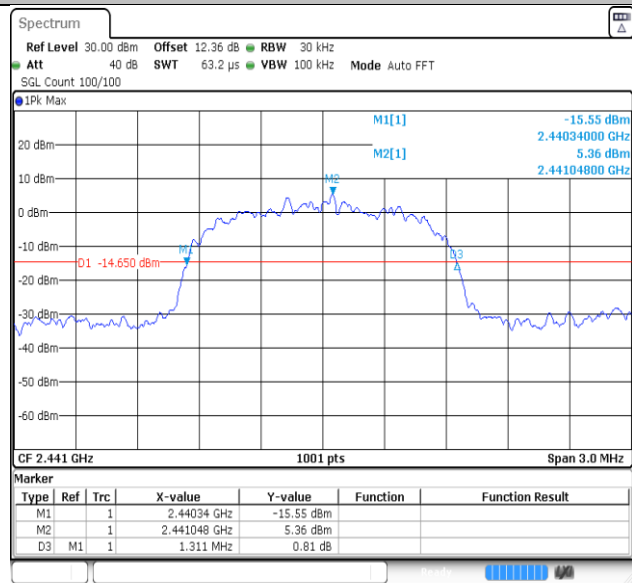
Date: 2 SEP.2025 14:55:44

2DH5-Ant1-2480



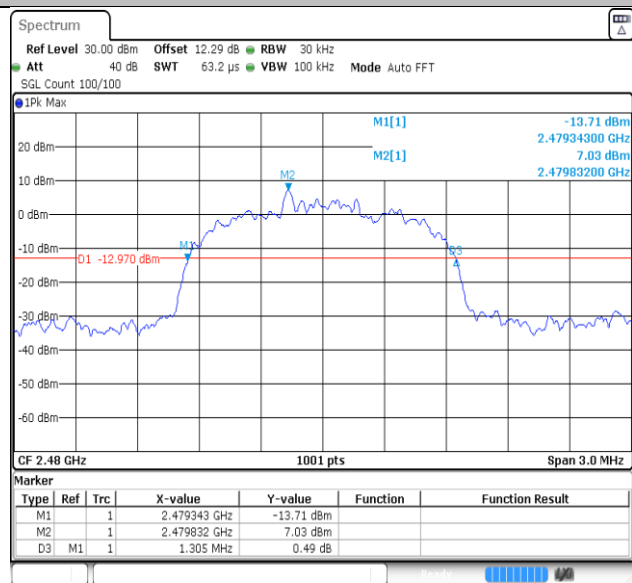
Date: 2 SEP.2025 14:57:09

3DH5-Ant1-2402



Date: 2 SEP.2025 14:58:38

3DH5-Ant1-2441



Date: 2 SEP.2025 14:59:46

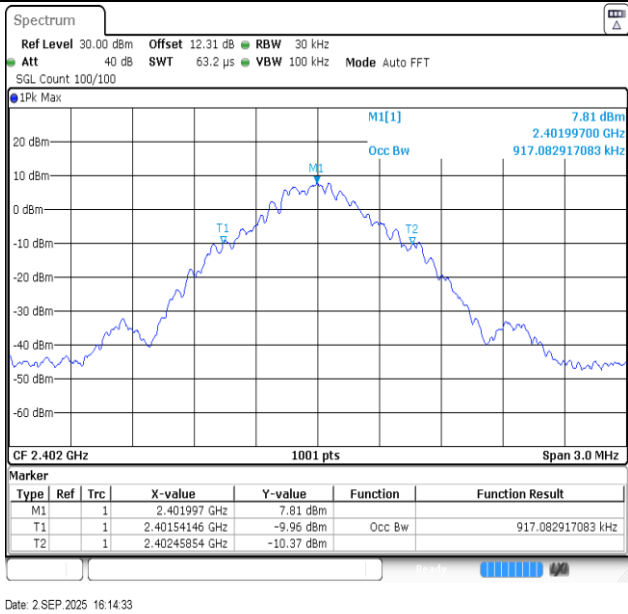
3DH5-Ant1-2480

Appendix C: 99% Occupied Bandwidth

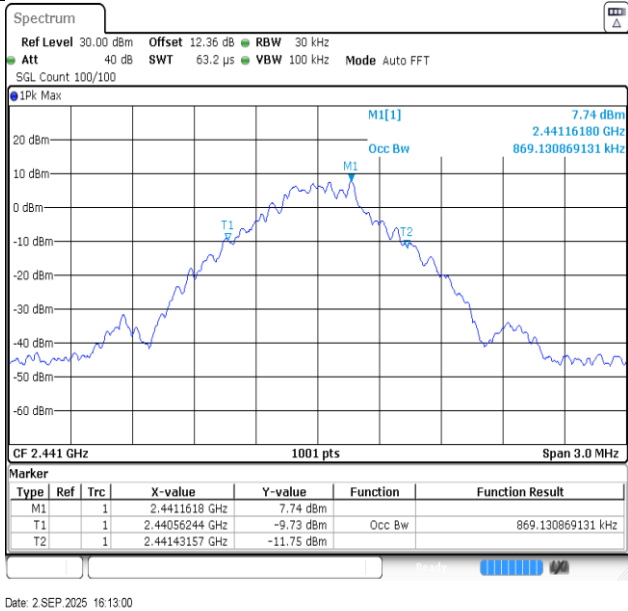
Test Result

TestMode	Frequency[MHz]	99% Occupied Bandwidth [MHz]	Limit[MHz]	Verdict
DH5	2402	0.91708	---	---
DH5	2441	0.86913	---	---
DH5	2480	0.86913	---	---
2DH5	2402	1.1958	---	---
2DH5	2441	1.1958	---	---
2DH5	2480	1.1868	---	---
3DH5	2402	1.2168	---	---
3DH5	2441	1.2048	---	---
3DH5	2480	1.1988	---	---

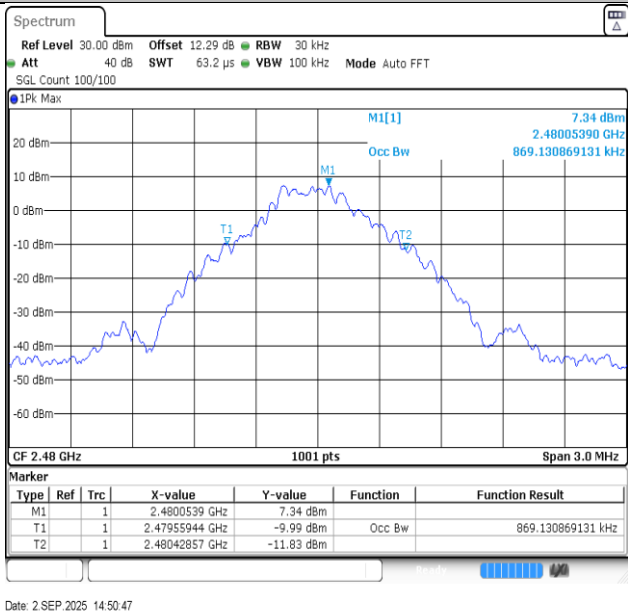
Test Graphs



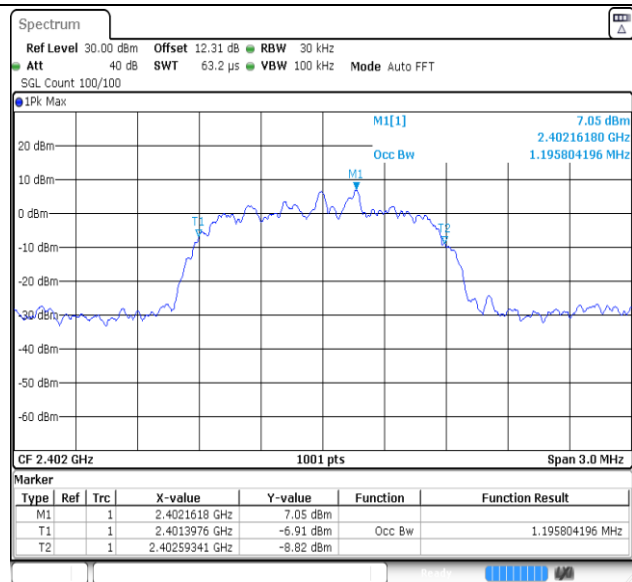
DH5-Ant1-2402



DH5-Ant1-2441

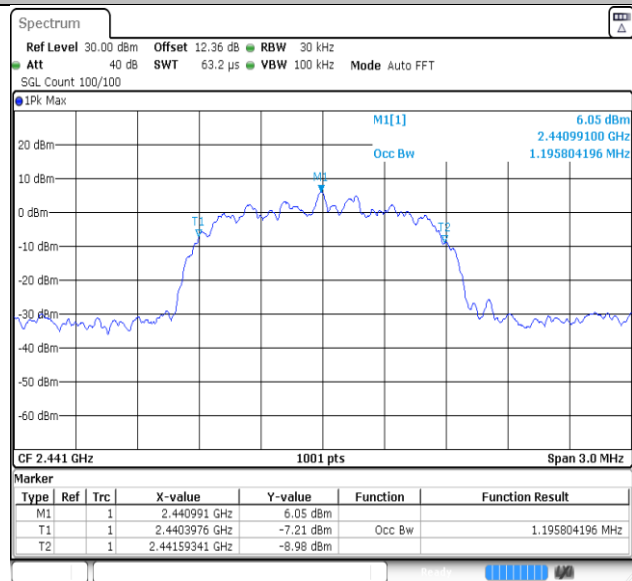


DH5-Ant1-2480



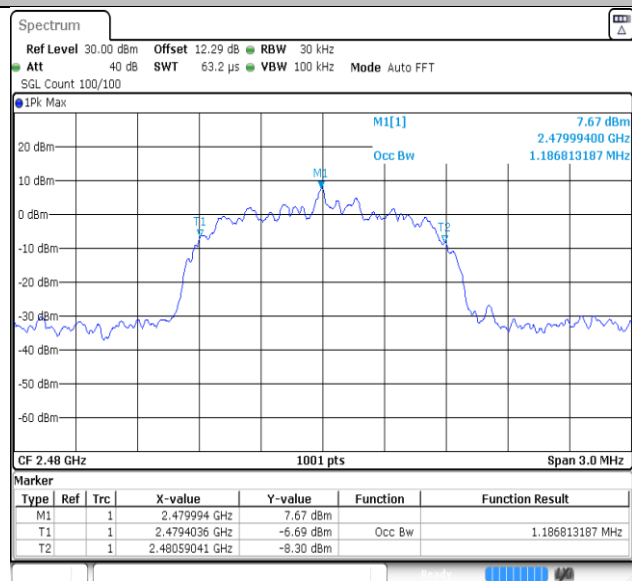
Date: 2 SEP.2025 14:52:44

2DH5-Ant1-2402



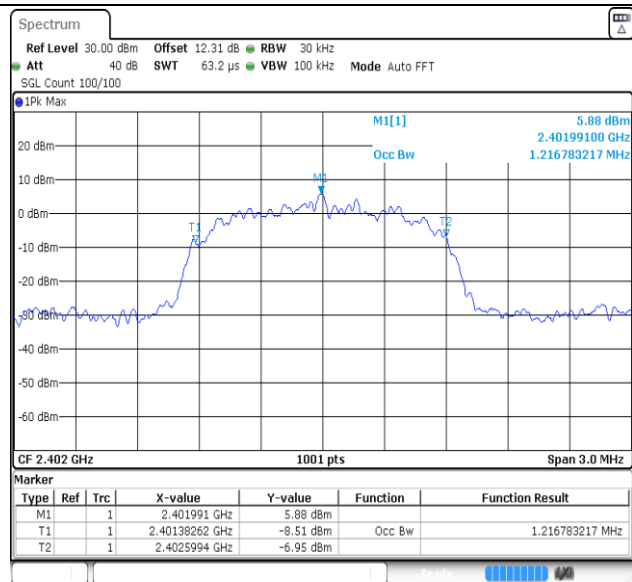
Date: 2 SEP.2025 14:54:16

2DH5-Ant1-2441



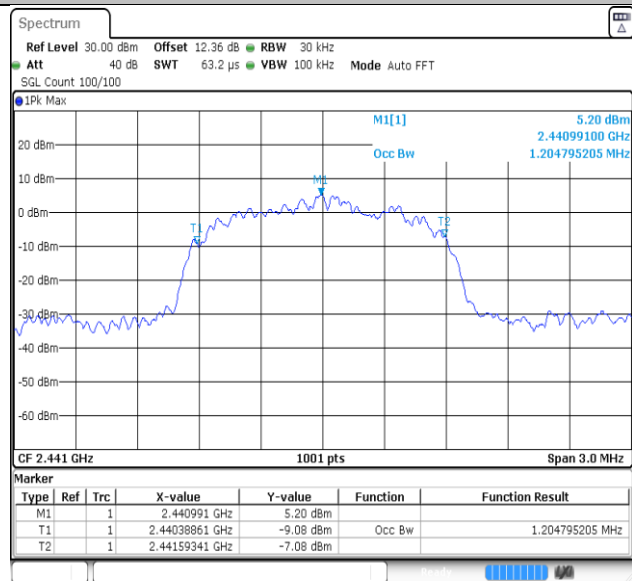
Date: 2 SEP.2025 14:55:46

2DH5-Ant1-2480



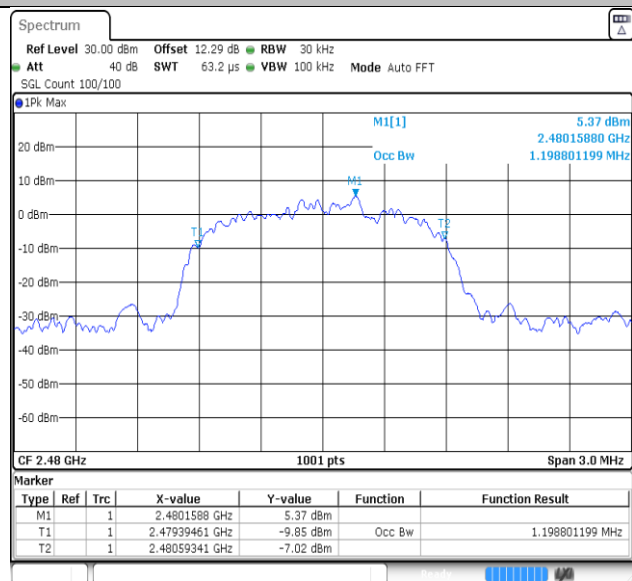
Date: 2 SEP.2025 14:57:11

3DH5-Ant1-2402



Date: 2 SEP.2025 14:58:41

3DH5-Ant1-2441



Date: 2 SEP.2025 14:58:49

3DH5-Ant1-2480

Appendix D: Carrier Frequency Separation

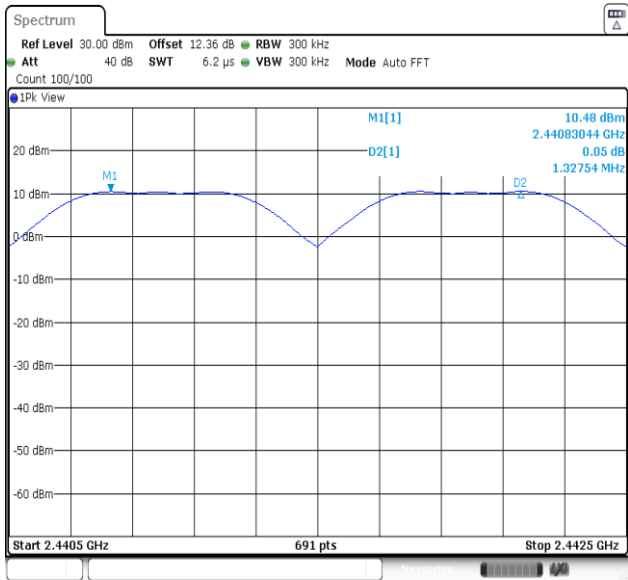
Test Result

TestMode	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Hop	1.328	≥0.960	PASS
2DH5	Hop	1.281	≥0.887	PASS
3DH5	Hop	1.328	≥0.873	PASS

Note:

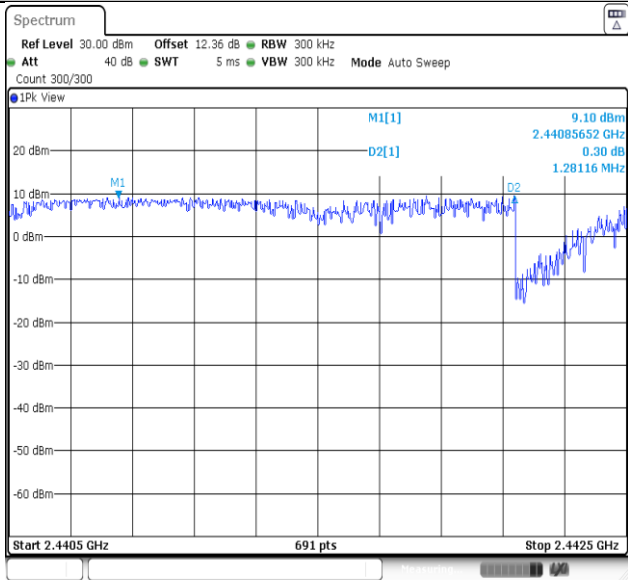
- *: GFSK limit = The maximum 20 dB Bandwidth for GFSK modulation on the appendix B.
- $\pi/4$ DQPSK limit = 2/3 * The maximum 20 dB Bandwidth for $\pi/4$ DQPSK modulation on the appendix B.
- 8DPSK limit = 2/3 * The maximum 20 dB Bandwidth for 8DPSK modulation on the appendix B

Test Graphs



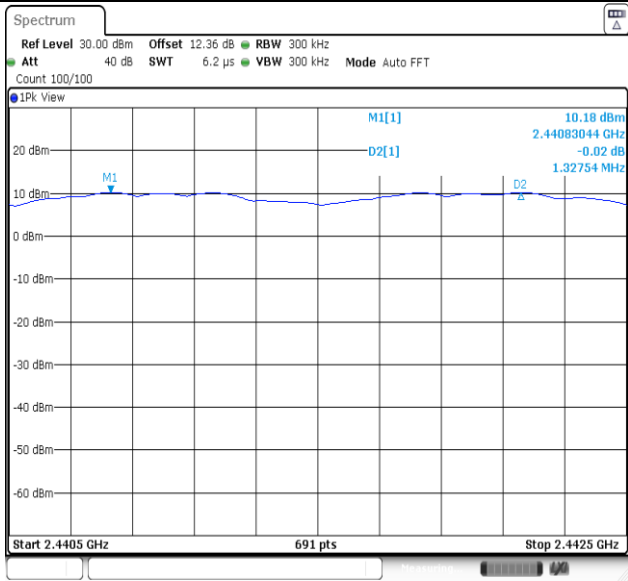
Date: 2 SEP 2025 15:58:40

DH5-Ant1-Hop-PASS



Date: 2 SEP 2025 15:50:38

2DH5-Ant1-Hop-PASS



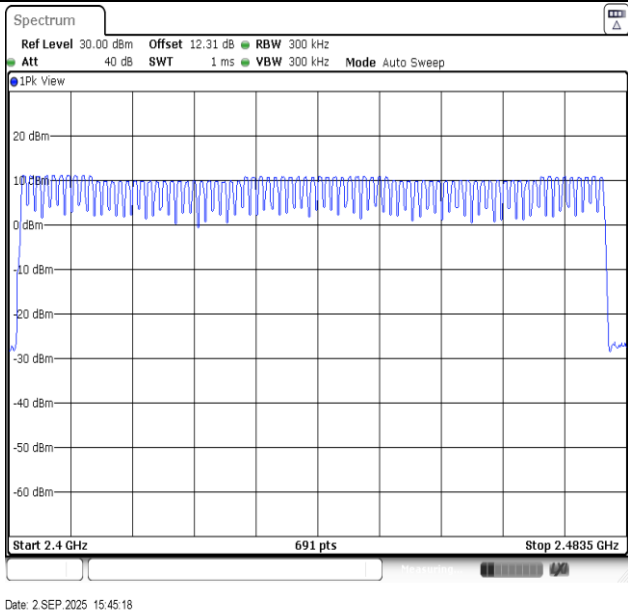
Date: 2 SEP 2025 15:54:27

Appendix E: Hopping Channel Number

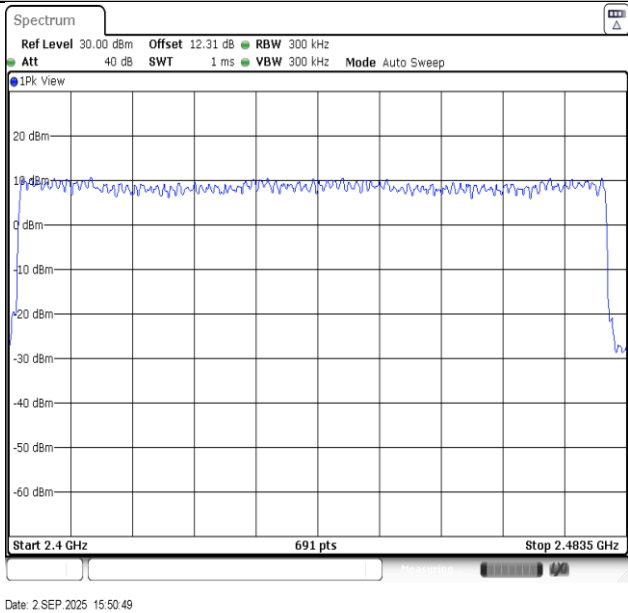
Test Result

TestMode	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Hop	79	≥15	PASS
2DH5	Hop	79	≥15	PASS
3DH5	Hop	79	≥15	PASS

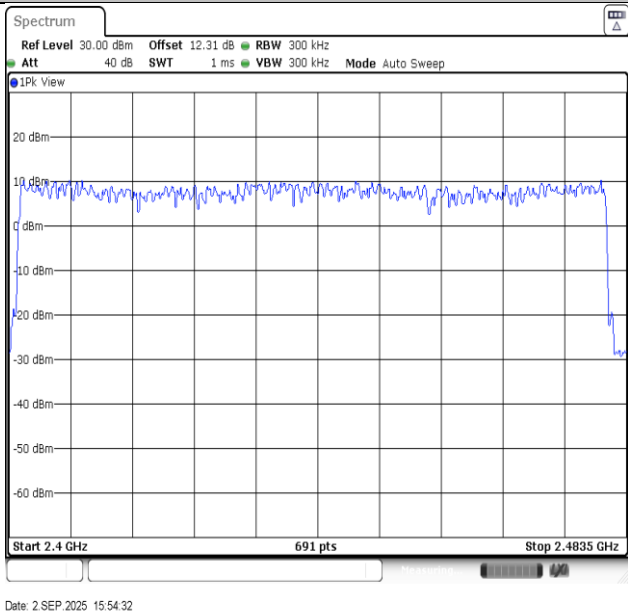
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



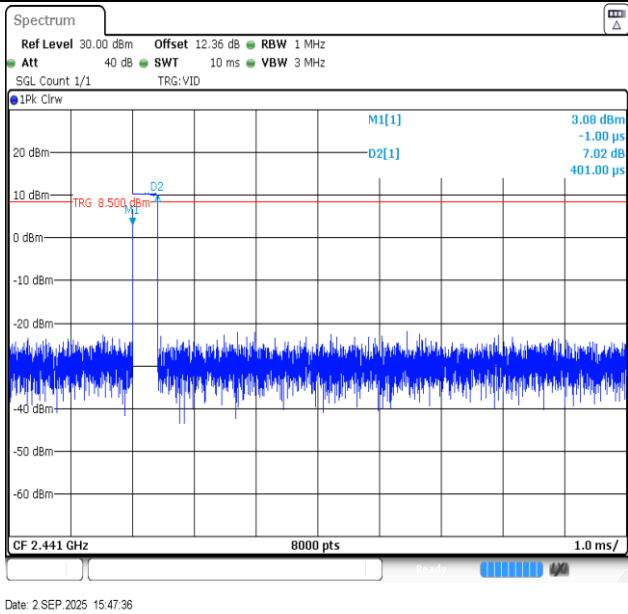
3DH5-Ant1-Hop-PASS

Appendix F: Dwell Time

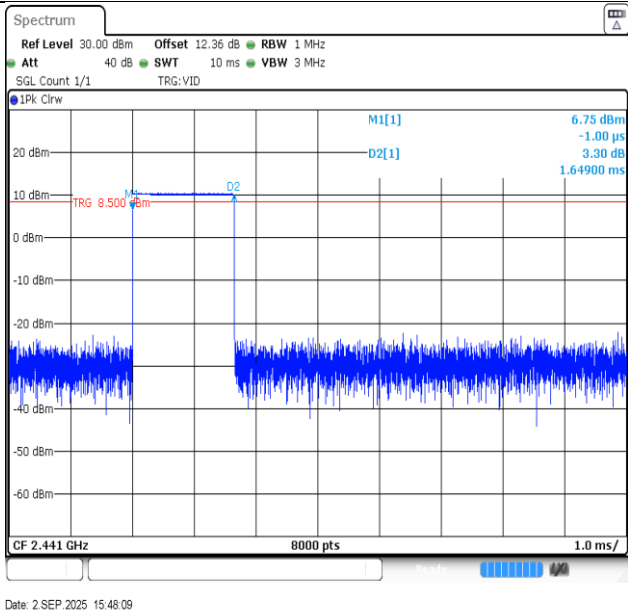
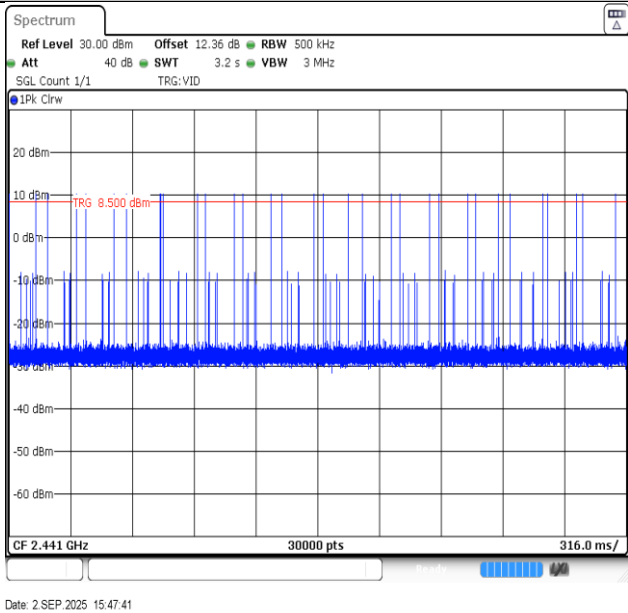
Test Result

TestMode	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Hop	0.401	320	0.128	≤0.4	PASS
DH3	Hop	1.649	160	0.264	≤0.4	PASS
DH5	Hop	2.890	130	0.376	≤0.4	PASS
2DH1	Hop	0.394	330	0.13	≤0.4	PASS
2DH3	Hop	1.639	170	0.279	≤0.4	PASS
2DH5	Hop	2.879	120	0.345	≤0.4	PASS
3DH1	Hop	0.393	320	0.126	≤0.4	PASS
3DH3	Hop	1.635	170	0.278	≤0.4	PASS
3DH5	Hop	2.878	100	0.288	≤0.4	PASS

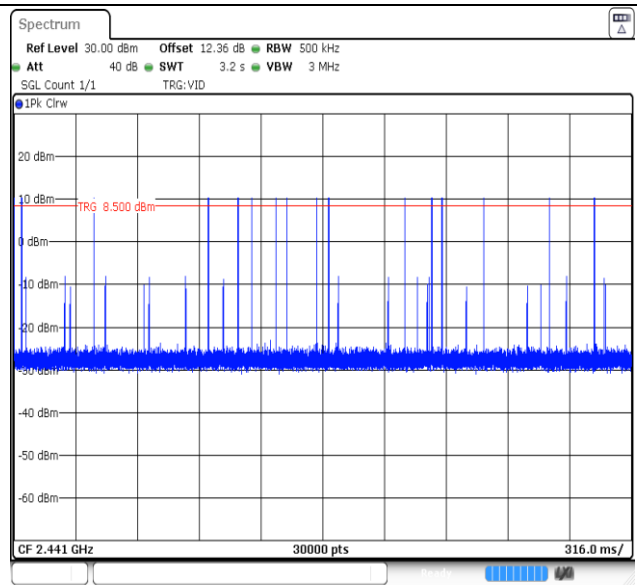
Test Graphs



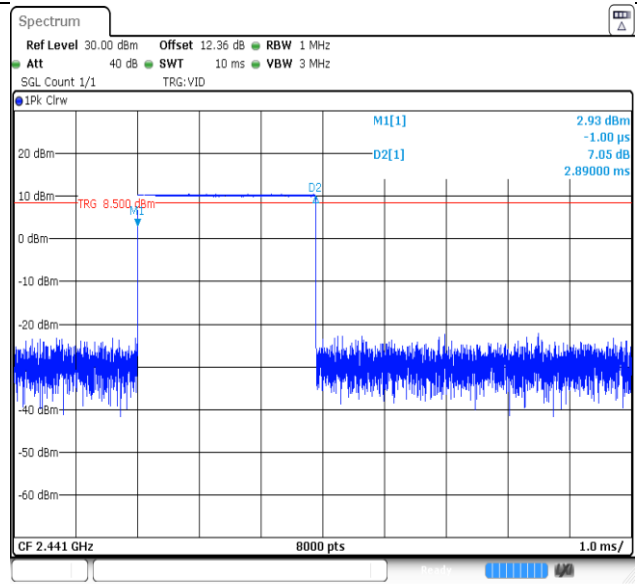
DH1-Ant1-Hop-PASS



DH3-Ant1-Hop-PASS

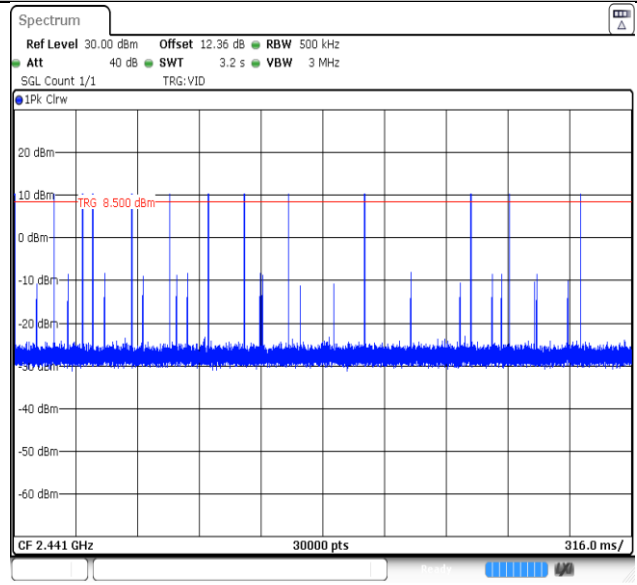


Date: 2 SEP.2025 15:48:14

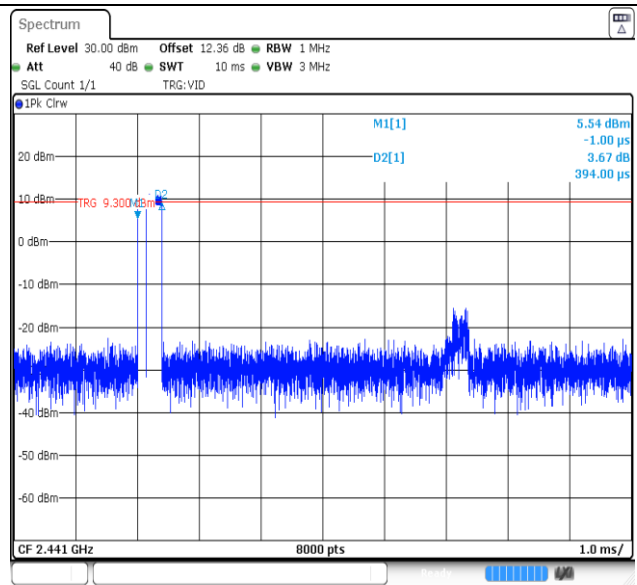


Date: 2 SEP.2025 15:45:32

DH5-Ant1-Hop-PASS

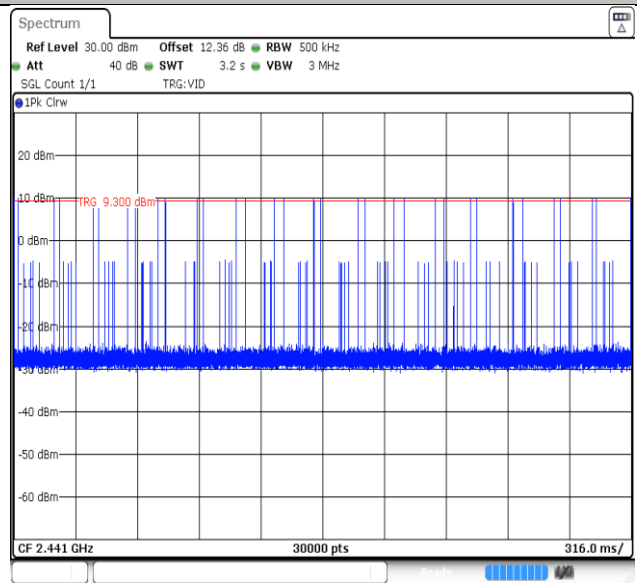


Date: 2 SEP.2025 15:45:38

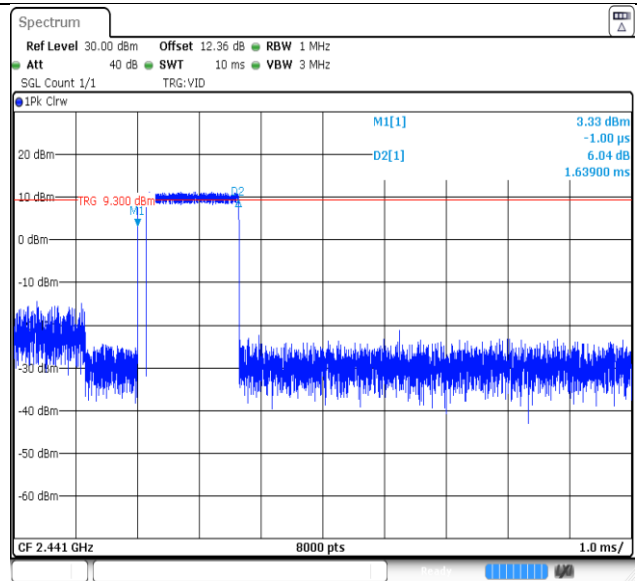


Date: 2 SEP.2025 15:52:44

2DH1-Ant1-Hop-PASS

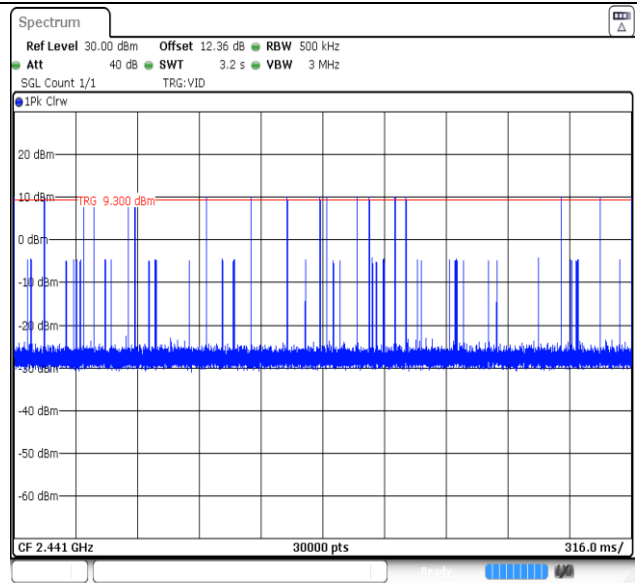


Date: 2 SEP.2025 15:52:49

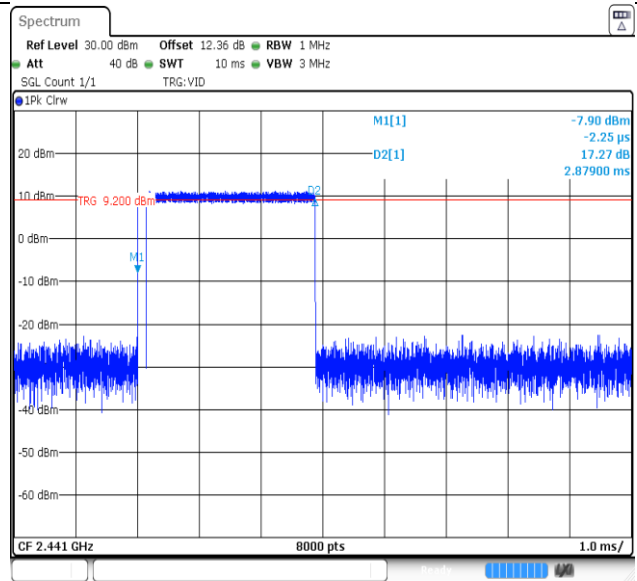


Date: 2 SEP.2025 15:53:19

2DH3-Ant1-Hop-PASS

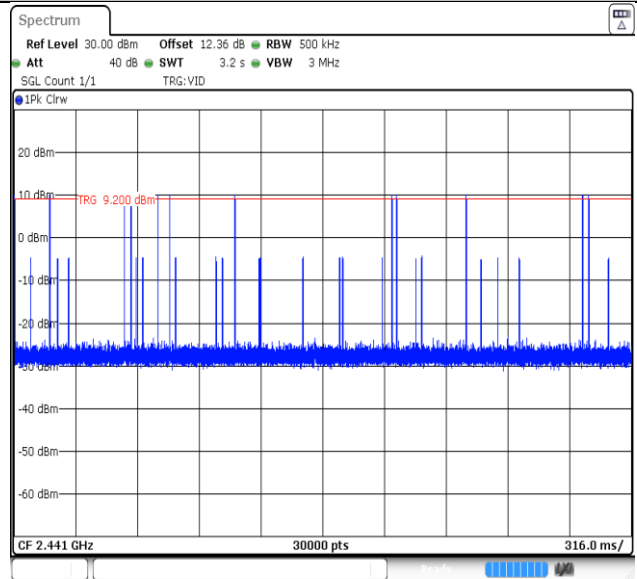


Date: 2 SEP.2025 15:53:25

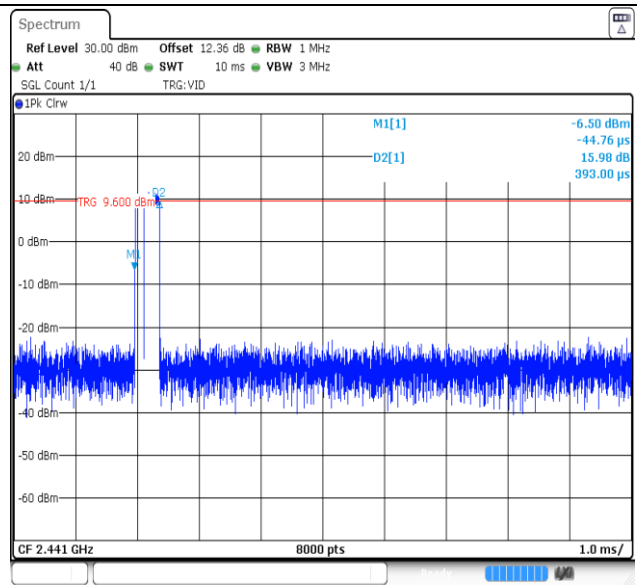


Date: 2 SEP.2025 15:57:57

2DH5-Ant1-Hop-PASS

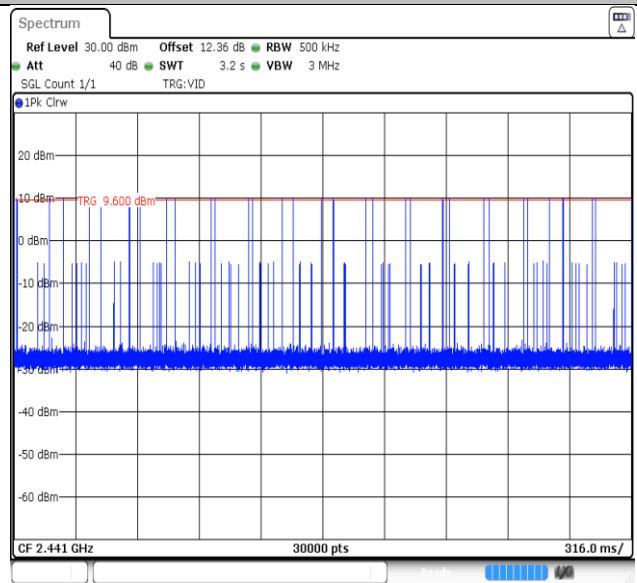


Date: 2 SEP.2025 15:58:02

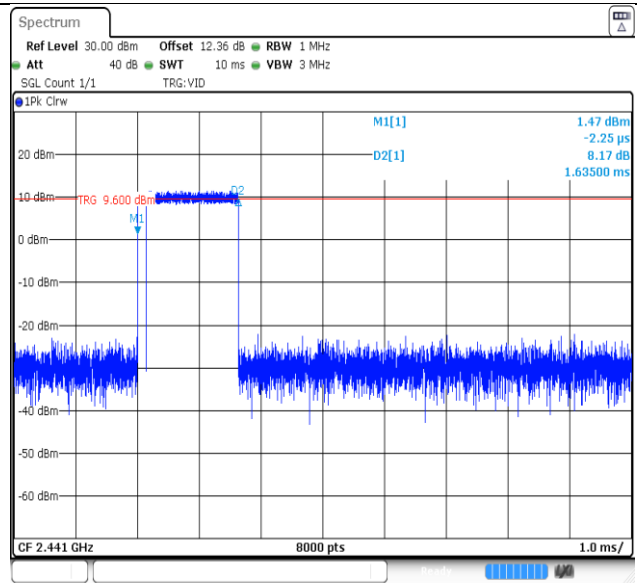


Date: 2 SEP.2025 15:55:58

3DH1-Ant1-Hop-PASS

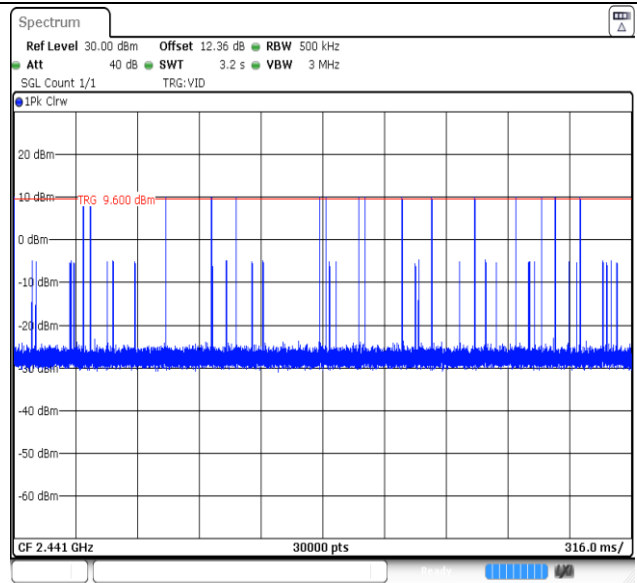


Date: 2 SEP.2025 15:56:03

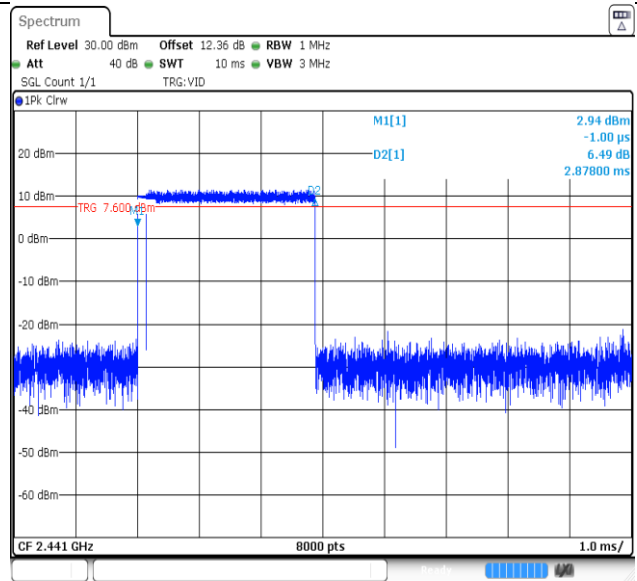


Date: 2 SEP.2025 15:57:05

3DH3-Ant1-Hop-PASS

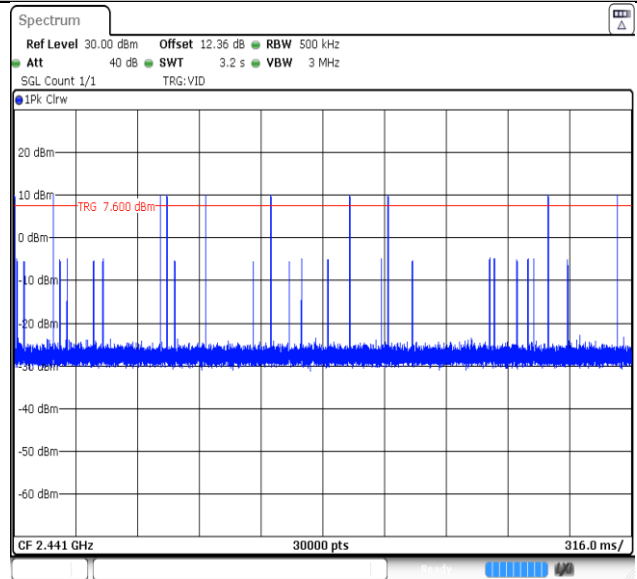


Date: 2 SEP.2025 15:57:10



Date: 2 SEP.2025 15:54:47

3DH5-Ant1-Hop-PASS



Date: 2 SEP.2025 15:54:52

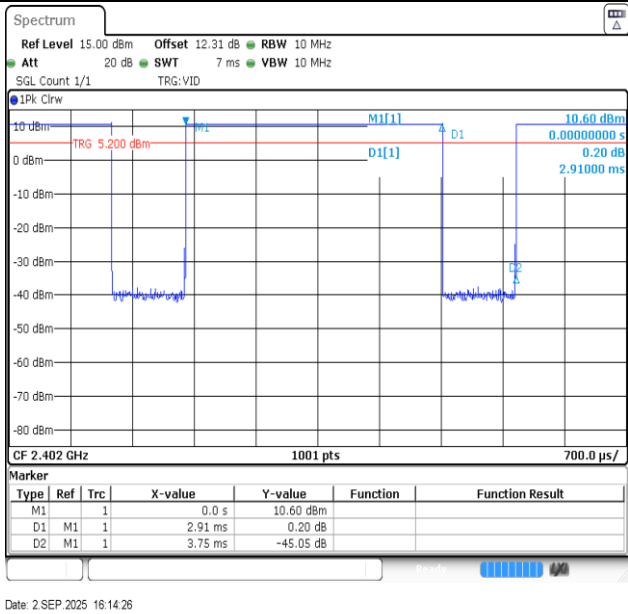
Appendix G: Duty Cycle Correction Factor (DCCF)

Test Result

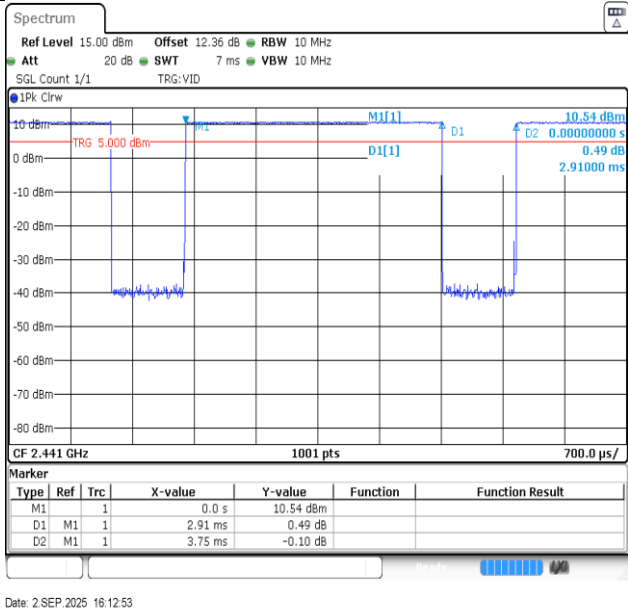
TestMode	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	DCCF [dB]
DH5	2402	2.91	3.75	77.60	1.10	-2.20
DH5	2441	2.91	3.75	77.60	1.10	-2.20
DH5	2480	2.91	3.75	77.60	1.10	-2.20
2DH5	2402	2.90	3.75	77.33	1.12	-2.23
2DH5	2441	2.91	3.76	77.39	1.11	-2.23
2DH5	2480	2.90	3.75	77.33	1.12	-2.23
3DH5	2402	2.90	3.75	77.33	1.12	-2.23
3DH5	2441	2.90	3.74	77.54	1.10	-2.21
3DH5	2480	2.89	3.75	77.07	1.13	-2.26

$$\text{DCCF} = 20 * \text{Log}(\text{duty cycle}) = 20 * \text{Log}(T_{\text{on time}} / T_{\text{period}})$$

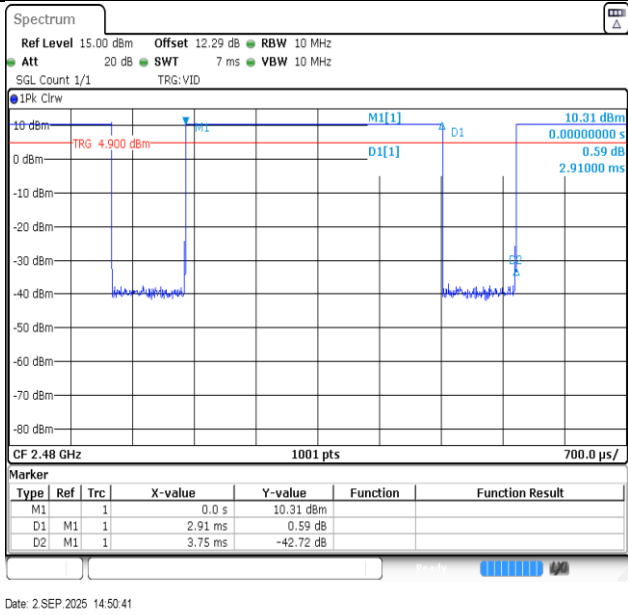
Test Graphs



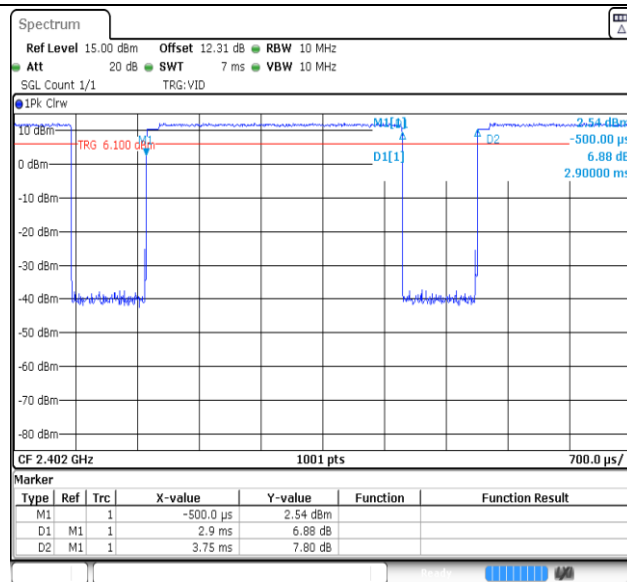
NTNV-DH5-Ant1-2402



NTNV-DH5-Ant1-2441

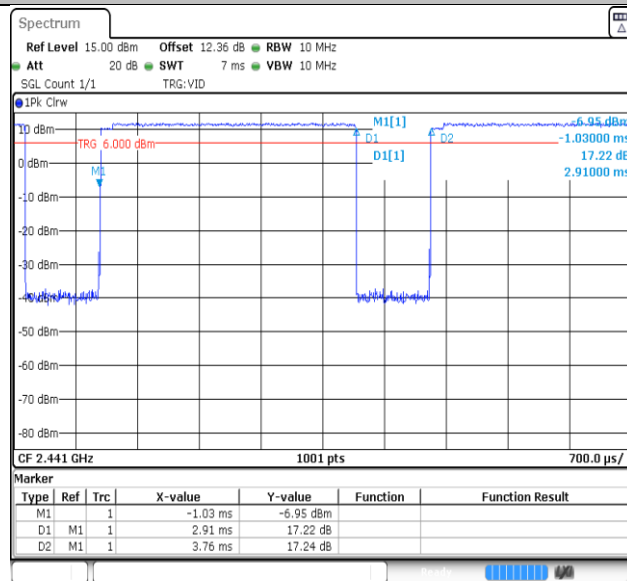


NTNV-DH5-Ant1-2480



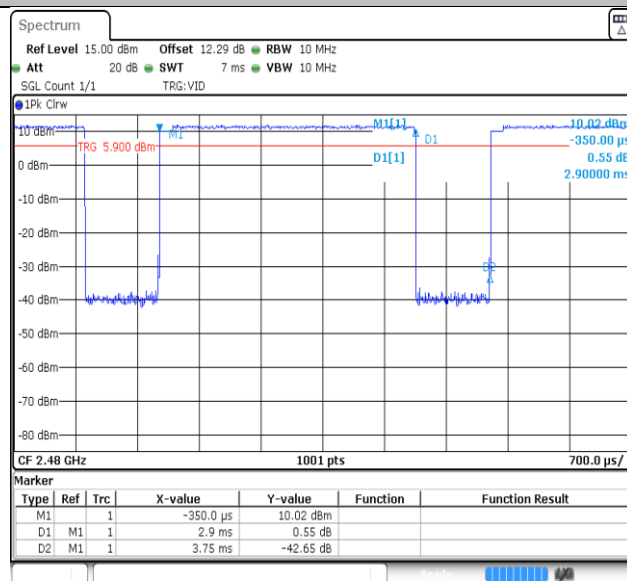
Date: 2 SEP.2025 14:52:37

NTNV-2DH5-Ant1-2402



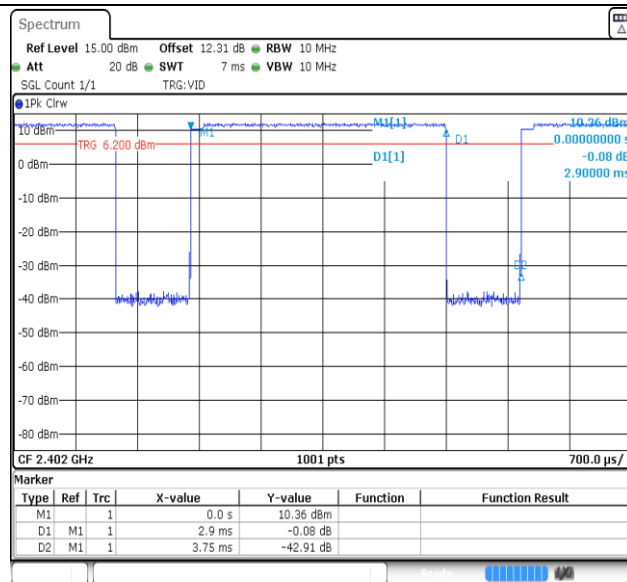
Date: 2 SEP.2025 14:54:09

NTNV-2DH5-Ant1-2441



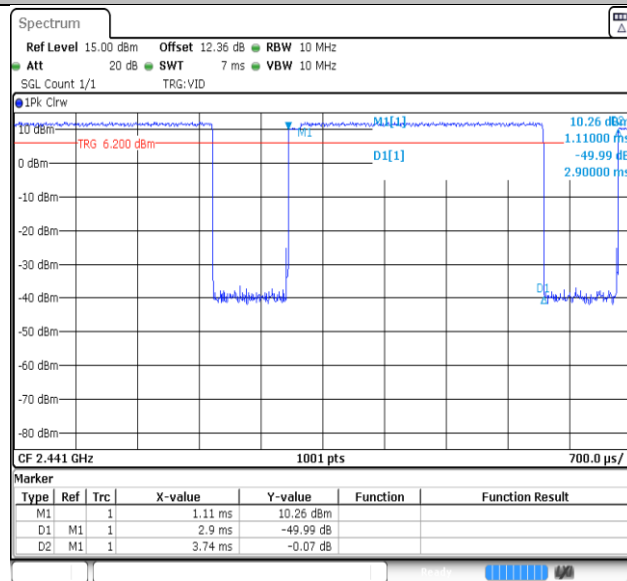
Date: 2 SEP.2025 14:55:39

NTNV-2DH5-Ant1-2480



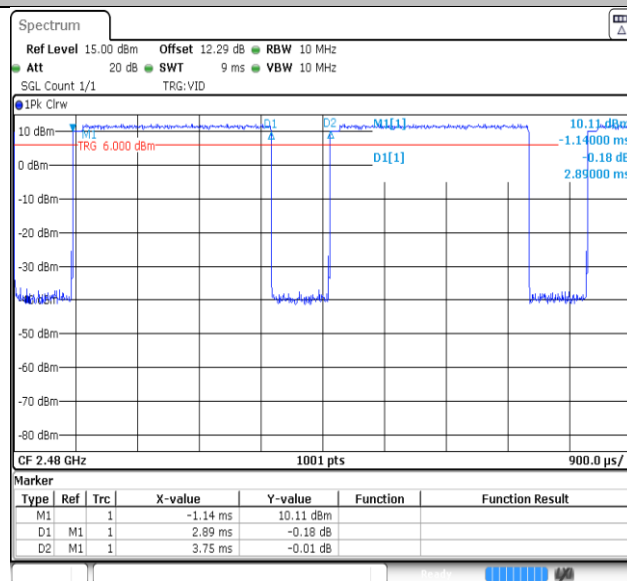
Date: 2 SEP.2025 14:57:04

NTNV-3DH5-Ant1-2402



Date: 2 SEP.2025 14:58:34

NTNV-3DH5-Ant1-2441

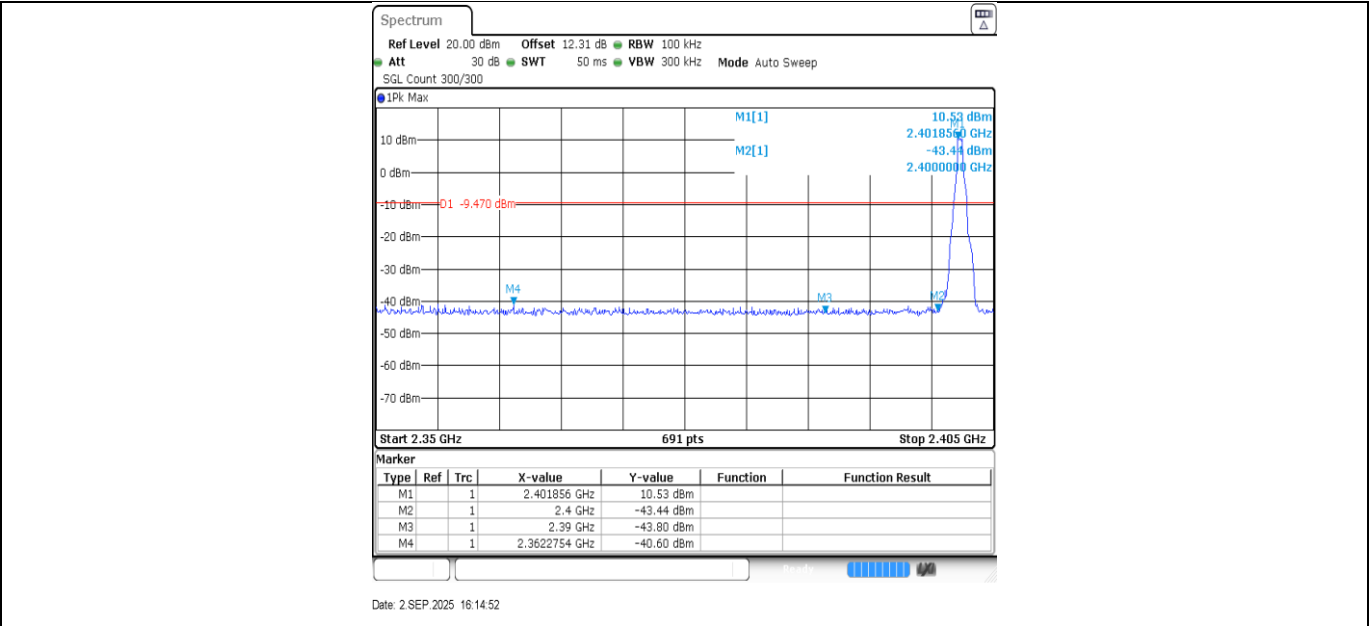


Date: 2 SEP.2025 16:41:44

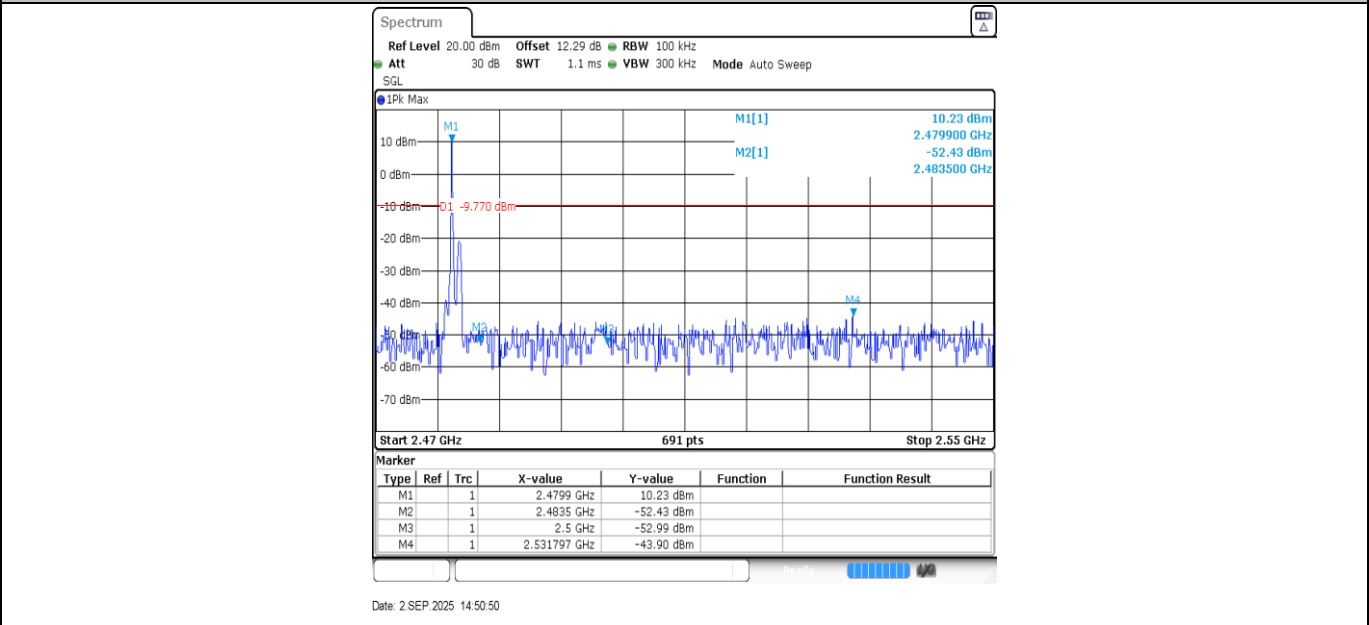
NTNV-3DH5-Ant1-2480

Appendix H: Band edge and Spurious Emission(Conducted)

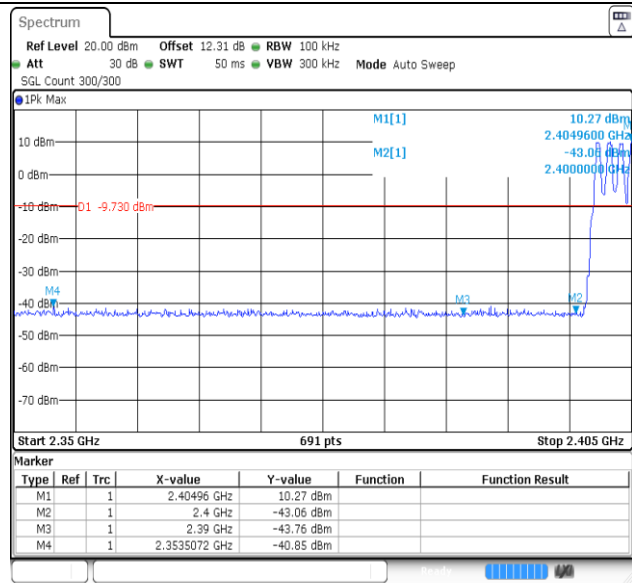
Test Graphs



DH5-Ant1-2402-PASS

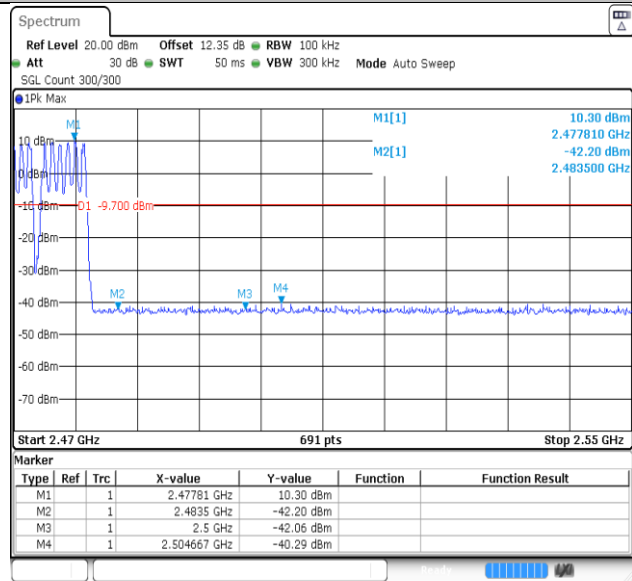


DH5-Ant1-2480-PASS



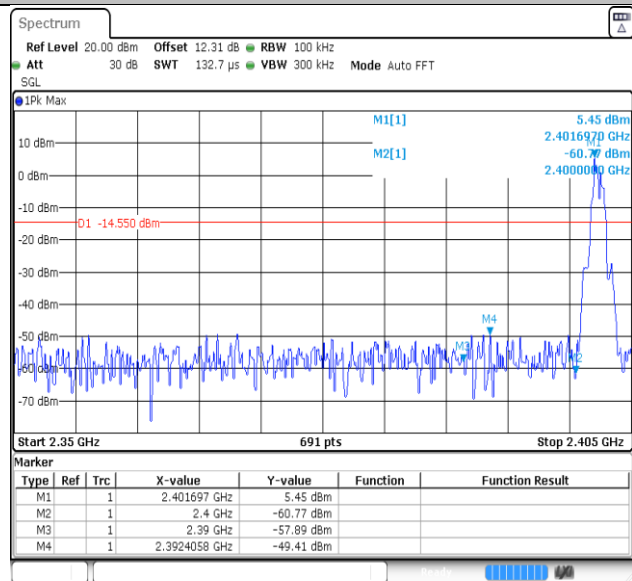
Date: 2 SEP.2025 15:45:04

DH5-Ant1-Hop_2402-PASS



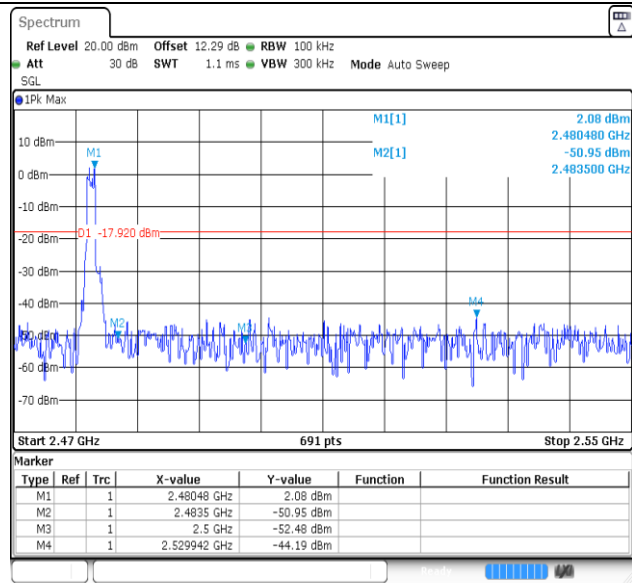
Date: 2 SEP.2025 15:45:58

DH5-Ant1-Hop_2480-PASS



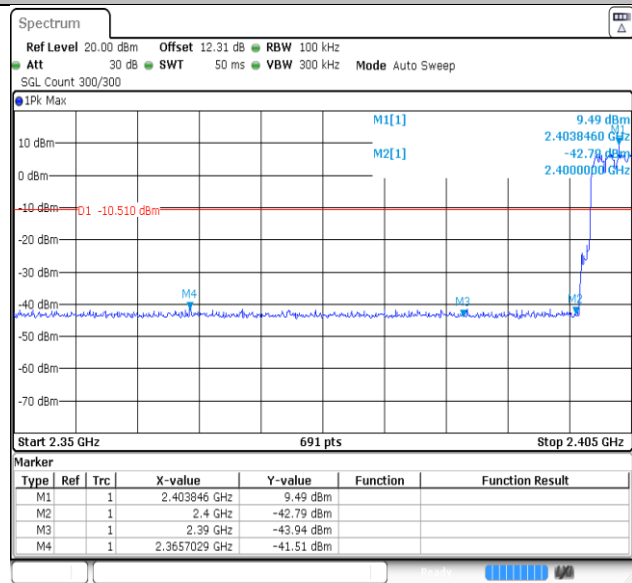
Date: 2 SEP.2025 14:52:46

2DH5-Ant1-2402-PASS



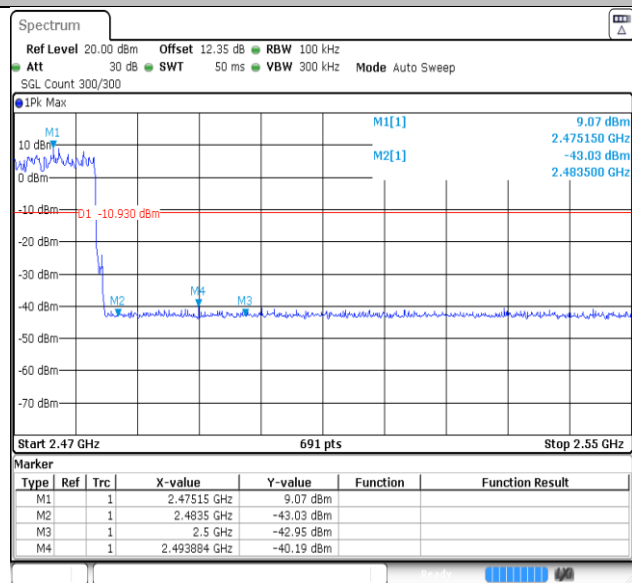
Date: 2 SEP.2025 15:05:47

2DH5-Ant1-2480-PASS



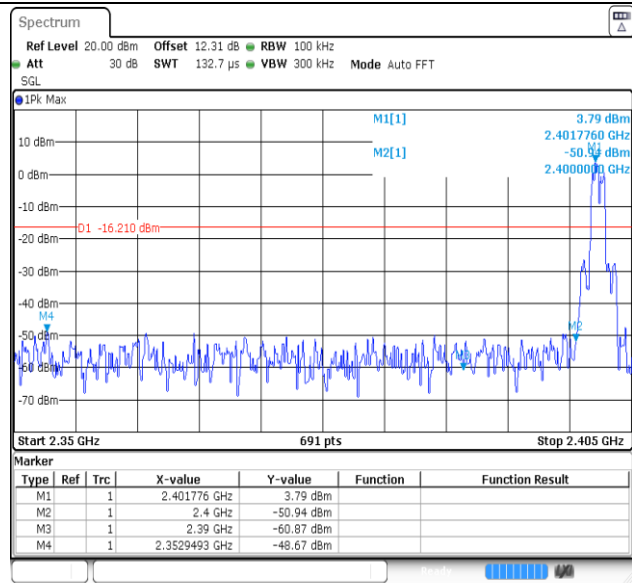
Date: 2 SEP.2025 15:50:33

2DH5-Ant1-Hop_2402-PASS



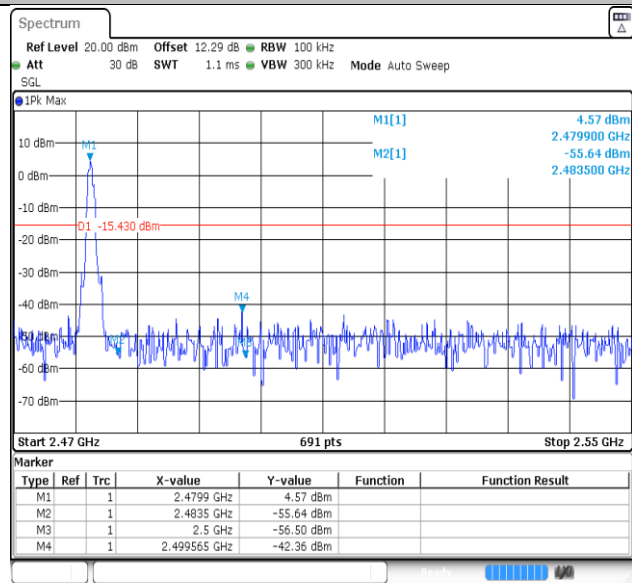
Date: 2 SEP.2025 15:51:28

2DH5-Ant1-Hop_2480-PASS



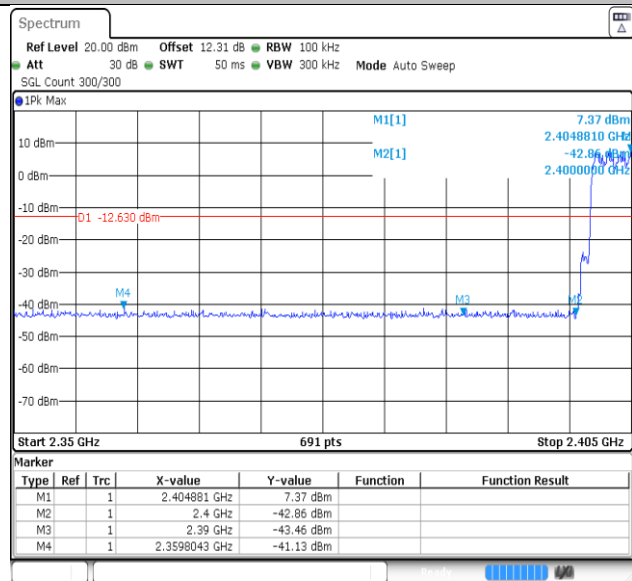
Date: 2 SEP.2025 15:14:42

3DH5-Ant1-2402-PASS



Date: 2 SEP.2025 14:59:52

3DH5-Ant1-2480-PASS



Date: 2 SEP.2025 15:54:18

3DH5-Ant1-Hop_2402-PASS