

Test Report No.: RF260703B005

FCC TEST REPORT

(Part 15, Subpart C)

Applicant:	SHARP CORPORATION
Address:	2-1-25, Kyutaromachi, Chuo-ku, Osaka city, Osaka 541-8522, JAPAN

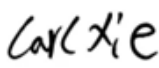
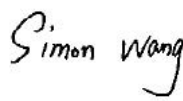
Manufacturer or Supplier:	SHARP CORPORATION
Address:	2-1-25, Kyutaromachi, Chuo-ku, Osaka city, Osaka 541-8522, JAPAN
Product:	Smart Phone
Brand Name:	SHARP
FCC ID:	APYHRO00344
Date of tests:	Jul.1, 2026 ~ Aug.7, 2026

The tests have been carried out according to the requirements of the following standard:

☒ FCC Part 15, Subpart C, Section 15.247

☒ ANSI C63.10-2020

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Carl Xie Engineer / Mobile Department	Approved by Simon Wang Manager / Mobile Department
 Date: Aug.7, 2026	 Date: Aug.7, 2026

Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

TABLE OF CONTENTS

RELEASE CONTROL RECORD	5
1 SUMMARY OF TEST RESULTS.....	6
1.1 MEASUREMENT UNCERTAINTY	7
2 GENERAL INFORMATION	8
2.1 GENERAL DESCRIPTION OF EUT	8
2.2 DESCRIPTION OF TEST MODES	10
2.2.1 CONFIGURATION OF SYSTEM UNDER TEST	11
2.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL.....	11
2.3 GENERAL DESCRIPTION OF APPLIED STANDARDS	13
2.1 DESCRIPTION OF SUPPORT UNITS	13
3 TEST TYPES AND RESULTS.....	14
3.1 CONDUCTED EMISSION MEASUREMENT	14
3.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT	14
3.1.2 TEST INSTRUMENTS.....	14
3.1.3 TEST PROCEDURES	15
3.1.4 DEVIATION FROM TEST STANDARD	15
3.1.5 TEST SETUP	15
3.1.6 EUT OPERATING CONDITIONS	16
3.1.7 TEST RESULTS	17
3.2 RADIATED EMISSION MEASUREMENT	19
3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT	19
3.2.1 TEST INSTRUMENTS.....	20
3.2.2 TEST PROCEDURES	21
3.2.3 DEVIATION FROM TEST STANDARD	21
3.2.4 TEST SETUP	22
3.2.5 EUT OPERATING CONDITIONS	23
3.2.6 TEST RESULTS	24
3.3 NUMBER OF HOPPING FREQUENCY USED	35
3.3.1 LIMIT OF HOPPING FREQUENCY USED	35
3.3.2 TEST SETUP	35
3.3.3 TEST INSTRUMENTS.....	35
3.3.4 TEST PROCEDURES	36

Test Report No.: RF260703B005

3.3.5	DEVIATION FROM TEST STANDARD	36
3.3.6	TEST RESULTS	36
3.4	DWELL TIME ON EACH CHANNEL	37
3.4.1	LIMIT OF DWELL TIME USED	37
3.4.2	TEST SETUP	37
3.4.3	TEST INSTRUMENTS	37
3.4.4	TEST PROCEDURES	37
3.4.5	DEVIATION FROM TEST STANDARD	37
3.4.6	TEST RESULTS	38
3.5	CHANNEL BANDWIDTH	39
3.5.1	LIMITS OF CHANNEL BANDWIDTH	39
3.5.2	TEST SETUP	39
3.5.3	TEST INSTRUMENTS	39
3.5.4	TEST PROCEDURE	39
3.5.5	DEVIATION FROM TEST STANDARD	39
3.5.6	EUT OPERATING CONDITION	40
3.5.7	TEST RESULTS	40
3.6	HOPPING CHANNEL SEPARATION	41
3.6.1	LIMIT OF HOPPING CHANNEL SEPARATION	41
3.6.2	TEST SETUP	41
3.6.3	TEST INSTRUMENTS	41
3.6.4	TEST PROCEDURES	41
3.6.5	DEVIATION FROM TEST STANDARD	41
3.6.6	TEST RESULTS	41
3.7	MAXIMUM OUTPUT POWER	42
3.7.1	LIMITS OF MAXIMUM OUTPUT POWER MEASUREMENT	42
3.7.2	TEST SETUP	42
3.7.3	TEST INSTRUMENTS	42
3.7.4	TEST PROCEDURES	42
3.7.5	DEVIATION FROM TEST STANDARD	42
3.7.6	EUT OPERATING CONDITION	42
3.7.7	TEST RESULTS	42
3.7.7.1	MAXIMUM PEAK OUTPUT POWER	42
3.7.7.2	AVERAGE OUTPUT POWER (FOR REFERENCE).....	43
3.8	OUT OF BAND MEASUREMENT	44

Test Report No.: RF260703B005

3.8.1	LIMITS OF OUT OF BAND MEASUREMENT	44
3.8.2	TEST INSTRUMENTS	44
3.8.3	TEST PROCEDURE	44
3.8.4	DEVIATION FROM TEST STANDARD	44
3.8.5	EUT OPERATING CONDITION	44
3.8.6	TEST RESULTS	44
4	PHOTOGRAPHS OF THE TEST CONFIGURATION	45
5	MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB	45
6	APPENDIX.....	46



Test Report No.: RF260703B005

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF260703B005	Original release	Aug.7, 2026



Test Report No.: RF260703B005

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 15, Subpart C		
STANDARD	TEST TYPE AND LIMIT	RESULT
15.207	AC Power Conducted Emission	Compliance
15.247(a)(1)(iii)	Number of Hopping Frequency Used	Compliance
15.247(a)(1)(iii)	Dwell Time on Each Channel	Compliance
15.247(a)(1)	1. Hopping Channel Separation 2. Spectrum Bandwidth of a Frequency Hopping Sequence Spread Spectrum System	Compliance
15.247(b)	Maximum Peak Output Power	Compliance
15.247(d)&15.209	Transmitter Radiated Emissions	Compliance
15.247(d)	Out of band Measurement	Compliance
15.203	Antenna Requirement	Compliance

NOTE:

1. If the Frequency Hopping System operating in 2400-2483.5MHz band and the output power less than 125mW. The hopping channel carrier frequencies separated by a minimum of 25kHz or two-thirds of the 20dB bandwidth of hopping channel whichever is greater.
2. 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 Lab Information Reference

Lab A:

BOOMWAVE TEST (SHENZHEN) CO., LTD.

Lab Address:

Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan 4th Road, Chiwan Community, Zhaoshang Street, Nanshan District, Shenzhen, Guangdong, P.R. CHINA

Accredited Test Lab Cert 7607.01

The FCC Site Registration No. is 646781; The Designation No. is CN1429.

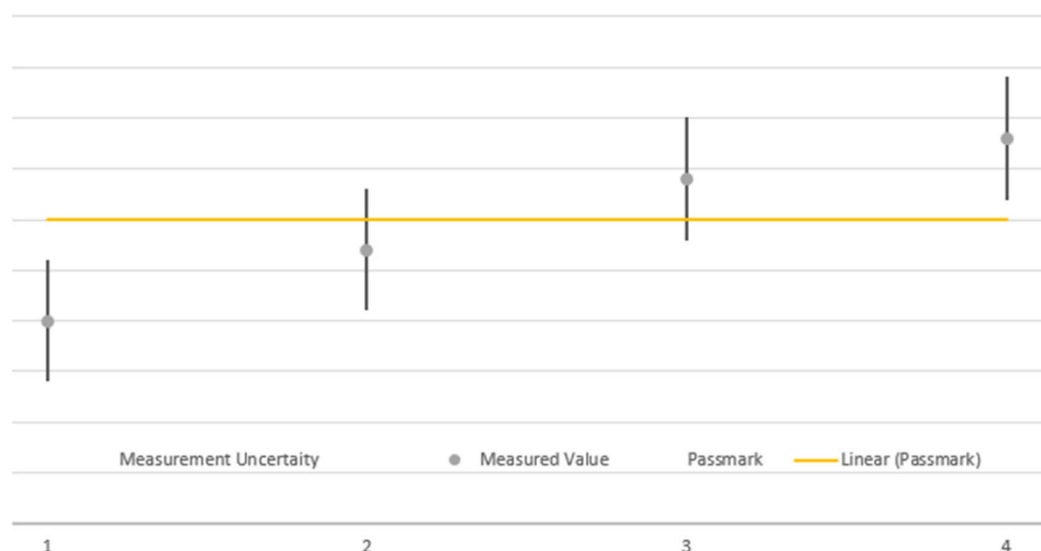
Test Report No.: RF260703B005

1.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	UNCERTAINTY
AC Power Conducted emissions	$\pm 2.70\text{dB}$
Radiated emissions (9KHz~30MHz)	$\pm 2.68\text{dB}$
Radiated emissions (30MHz~1GHz)	$\pm 4.98\text{dB}$
Radiated emissions (1GHz ~6GHz)	$\pm 4.70\text{dB}$
Radiated emissions (6GHz ~18GHz)	$\pm 4.60\text{dB}$
Radiated emissions (18GHz ~40GHz)	$\pm 4.12\text{dB}$
Conducted emissions	$\pm 4.01\text{dB}$
Occupied Channel Bandwidth	$\pm 43.58\text{KHz}$
Conducted Output power	$\pm 2.06\text{dB}$
Power Spectral Density	$\pm 0.85\text{ dB}$

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.



The verdicts in this test report are given according the above diagram:

Case	Measured Value	Uncertainty Range	Verdict
1	below pass mark	below pass mark	Passed
2	below pass mark	within pass mark	Passed
3	above pass mark	within pass mark	Failed
4	above pass mark	above pass mark	Failed

That means, the laboratory applies, as decision rule (see ISO/IEC 17025:2017), the so-called shared risk principle.

Test Report No.: RF260703B005

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Smart Phone
BRAND NAME	SHARP
NOMINAL VOLTAGE	4.0Vdc(adapter or host equipment) 3.92Vdc (Li-ion, battery)
MODULATION TECHNOLOGY	FHSS
MODULATION TYPE	GFSK, 8DPSK, $\pi/4$ DQPSK
OPERATING FREQUENCY	2402MHz~2480MHz
NUMBER OF CHANNEL	79
MAX. OUTPUT POWER	12.82 mW (Max. Measured)
ANTENNA TYPE	ANT7: PIFA Antenna
ANTENNA GAIN	☒ Provided by client
	ANT7: with -1.9dBi gain
HW VERSION	DVT
SW VERSION	A5290
I/O PORTS	Refer to user's manual
EXTREME TEMPERATURE	5~35°C
EXTREME VOLTAGE	3.7V~4V

NOTE:

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
- Antenna gain and EUT conducted cable loss are provided by the customer, and the laboratory will record the results based on these items that involve these two parameters.

Test Report No.: RF260703B005

4. List of Accessory:

Battery Information	Battery Type	Li-Lon
	Manufacturer	EVE ENERGY CO., LTD
	Model Number	UBATIA332AFN2
	Capacity	Typical capacity:5000 mAh Rated capacity:4900 mAh
	Nominal Voltage	3.92V

Test Report No.: RF260703B005

2.2 DESCRIPTION OF TEST MODES

79 channels are provided to this EUT:

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

Test Report No.: RF260703B005

2.2.1 CONFIGURATION OF SYSTEM UNDER TEST

Please see section 4 photographs of the test configuration for reference.

2.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports.

The worst case was found when positioned on X axis for radiated emission.

Following channel(s) was (were) selected for the final test as listed below:

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE<1G	RE≥1G	PLC	APCM	
-	√	√	√	√	-

Where **RE<1G**: Radiated Emission below 1GHz
PLC: Power Line Conducted Emission

RE≥1G: Radiated Emission above 1GHz
APCM: Antenna Port Conducted Measurement

RADIATED EMISSION TEST (BELOW 1 GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, XYZ axis, antenna ports (if EUT with antenna diversity architecture) and packet type.
- ☒ The following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	PACKET TYPE
-	0 to 78	78	FHSS	GFSK	DH5

RADIATED EMISSION TEST (ABOVE 1 GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, XYZ axis, antenna ports (if EUT with antenna diversity architecture) and packet type.
- ☒ The following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	PACKET TYPE
-	0 to 78	0, 39, 78	FHSS	GFSK	DH5

Test Report No.: RF260703B005

POWER LINE CONDUCTED EMISSION TEST:

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, antenna ports (if EUT with antenna diversity architecture) and packet type.
- ☒ The following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	PACKET TYPE
-	0 to 78	78	FHSS	GFSK	DH5

ANTENNA PORT CONDUCTED MEASUREMENT:

- ☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, antenna ports (if EUT with antenna diversity architecture), and packet types.
- ☒ The following channel(s) was (were) selected for the final test as listed below.

AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	PACKET TYPE
0 to 78	0, 39, 78	FHSS	GFSK	DH1/DH3/DH5
0 to 78	0, 39, 78	FHSS	$\pi/4$ DQPSK	2DH1/2DH3/2DH5
0 to 78	0, 39, 78	FHSS	8DPSK	3DH1/3DH3/3DH5

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	TEST VOLTAGE (SYSTEM)	TESTED BY
RE<1G	23deg. C, 70%RH	DC 4V By DC Supply	Carl Xie
RE≥1G	23deg. C, 70%RH	DC 4V By DC Supply	Carl Xie
PLC	25deg. C, 52%RH	DC 4V By DC Supply	Carl Xie
APCM	25deg. C, 60%RH	DC 3.7V By DC Supply	Alan Yu



Test Report No.: RF260703B005

2.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart C. Section 15.247

ANSI C63.10-2020

- NOTE:**
1. All test items have been performed and recorded as per the above standards.
 2. The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (Certification). The test report has been issued separately.

2.1 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Laptop	Lenovo	Thinkpad E14	SL10W47313	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	AC Line: Unshielded, Detachable 1.5m
2	AC Line: Unshielded, Detachable 1.5m
3	AC Line: Unshielded, Detachable 1.5m

Test Report No.: RF260703B005

3 TEST TYPES AND RESULTS

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	60	50

- NOTE:** 1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.
3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

3.1.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Pulse limiter	SCHWARZBECK	VTSD 9561F	01579	2026/7/22	2027/7/21
ESR.EMI TEST RECEIVER	Rohde&SCHWARZ	ESR	101405	2026/6/30	2027/6/29
LISN	SCHWARZBECK	NSLK 8127	01216	2025/8/27	2026/8/26
Cable	Tonscend	/	/	2026/7/22	2027/7/21

- NOTE:** 1. The test was performed in CE shielded room.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

Test Report No.: RF260703B005

3.1.3 TEST PROCEDURES

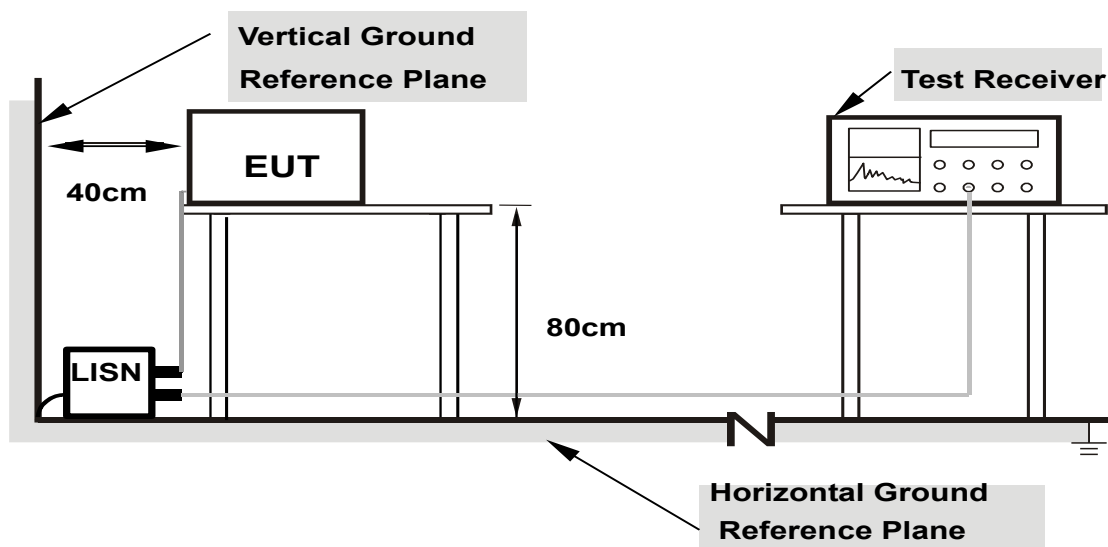
- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE: All modes of operation were investigated and the worst-case emissions are reported.

3.1.4 DEVIATION FROM TEST STANDARD

No deviation.

3.1.5 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes



Test Report No.: RF260703B005

For the actual test configuration, please refer to the attached file (Test Setup Photo).

3.1.6 EUT OPERATING CONDITIONS

- a. Turned on the power and connected of all equipment.
- b. EUT was operated according to the type used was description in manufacturer's specifications or the User's Manual.

Test Report No.: RF260703B005

3.1.7 TEST RESULTS

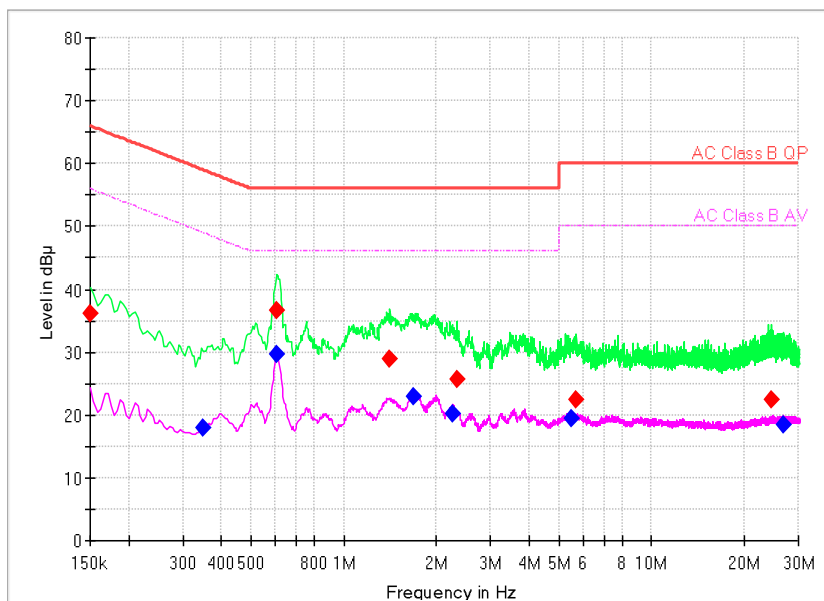
AC Power line Conducted Emission

A “reference path loss” Corr.(dB) is established and the $L_{\text{cable}} + \text{ATT} + \text{VDF}$ is the attenuation of “reference path loss”, and including the cable loss, the attenuation of the attenuator, the voltage division factor of AMN.

The measurement results are obtained as described below:

$$P_{\text{result}} = P_{\text{mea}} + \text{Corr. (dB)}$$

Full Spectrum



Test Report No.: RF260703B005

MEASUREMENT RESULT:

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PmeaQuasiPeak (dBμV)	PmeaAverage (dBμV)
0.15000	36.20	---	66.00	29.80	L1	29.90	6.30	---
0.35042	---	18.03	48.95	30.92	L1	29.80	---	-11.77
0.60628	36.54	---	56.00	19.46	N	29.60	6.94	---
0.60628	---	29.56	46.00	16.44	N	29.60	---	-0.04
1.41223	28.81	---	56.00	27.19	N	29.60	-0.79	---
1.68088	---	22.97	46.00	23.03	L1	29.80	---	-6.83
2.26935	---	20.14	46.00	25.86	L1	29.80	---	-9.66
2.33758	25.63	---	56.00	30.37	L1	29.80	-4.17	---
5.48462	---	19.55	50.00	30.45	L1	29.90	---	-10.35
5.70636	22.50	---	60.00	37.50	L1	29.90	-7.40	---
24.53319	22.44	---	60.00	37.56	L1	30.40	-7.96	---
26.92971	---	18.50	50.00	31.50	N	30.30	---	-11.80

Test Report No.: RF260703B005

3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

FREQUENCIES (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

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

Test Report No.: RF260703B005

3.2.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn-CT0001143-1216	2026/7/3	2027/7/2
BiConiLog Antenna	ETS-LINDGREN	3143B	161965	2026/7/17	2027/7/16
Horn Antenna	SCHWARZBECK	BBHA9120D	3297	2025/9/27	2026/9/26
Horn Antenna	STEATITE	QWH-SL-18-40-K-SG QMS-00361	15433	2026/7/19	2027/7/18
Preamplifier	Tonscend	TPA184045	AP24L8060388	2026/7/3	2027/7/2
MXE EMI Receiver	keysight	N9038B	MY50018017	2026/7/1	2027/6/30
MXG Vector Signal Generator	Keysight	N5183B	MY59100137	2026/6/30	2027/6/29
Preamplifier	Tonscend	TPA001330	806JSAPO40804251015	2026/6/30	2027/6/29
Preamplifier	Tonscend	TPA011845	AP24L8060392	2026/6/30	2027/6/29
Attenuator 6DB	SHX	TS2-6-6-A	230927166	2026/6/30	2027/6/29
Attenuator 6DB	SHX	TS2-6-6-A	230927165	2026/6/30	2027/6/29
Active Receive Loop Antenna	SCHWARZBECK	FMZB 1519 B	00173	2026/6/30	2027/6/29
Temp. & Humi. Recorder	Kejian	HTC-01	157246	2026/7/2	2027/7/1
HIGH pass FILTER_1-18	EWT	EWT-57-0222	EWT-57-0222	2026/6/30	2027/6/29
HIGH pass FILTER_7-18	EWT	EWT-57-0223	EWT-57-0223	2026/6/30	2027/6/29
HIGH pass FILTER_3-18	EWT	EWT-57-0221	EWT-57-0221	2026/6/30	2027/6/29
DC~1GHz Lowpass Filter	EWT	EWT-56-0649	EWT-56-0649	2026/7/3	2027/7/2
Cable 1	N/A	N/A	N/A	2025/9/28	2026/9/27
Cable 2	N/A	N/A	N/A	2025/9/28	2026/9/27
Cable 3	N/A	N/A	N/A	2025/9/28	2026/9/27

NOTE:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GREGT/CHINA and NIM/CHINA.
2. The test was performed in 3m Chamber.
3. The FCC Site Registration No. is 646781; The Designation No. is CN1429.

Test Report No.: RF260703B005

3.2.3 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 0.8 meters (for below 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, For battery operated equipment, the equipment tests shall be perform using fresh batteries. The turntable was rotated to maximize the emission level.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average (Duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor ($10 \log(1/\text{duty cycle})$).
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.
5. All modes of operation were investigated and the worst-case emissions are reported.

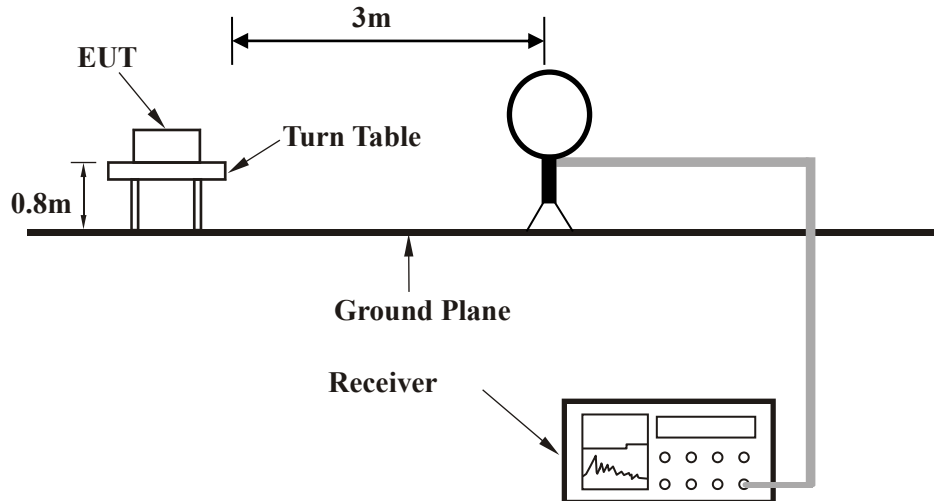
3.2.4 DEVIATION FROM TEST STANDARD

No deviation

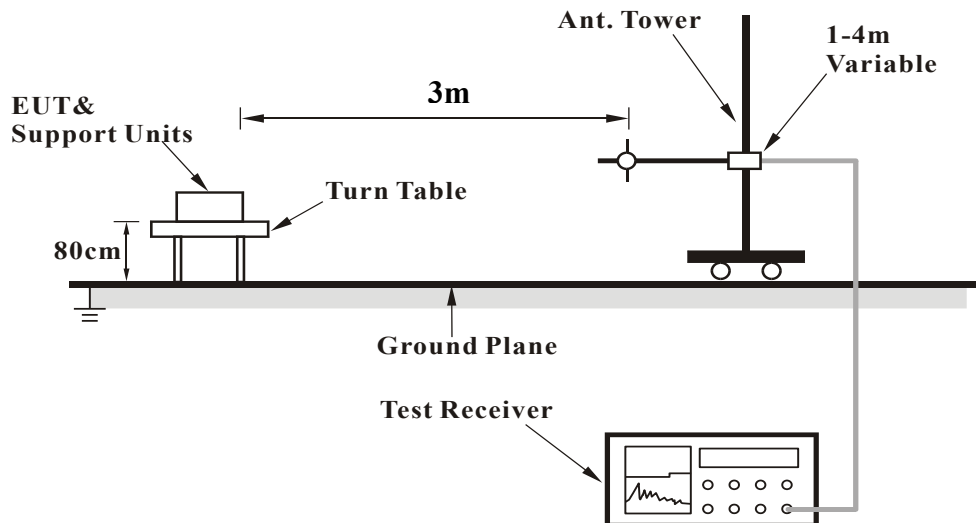
Test Report No.: RF260703B005

3.2.5 TEST SETUP

<Frequency Range 9KHz~30MHz >

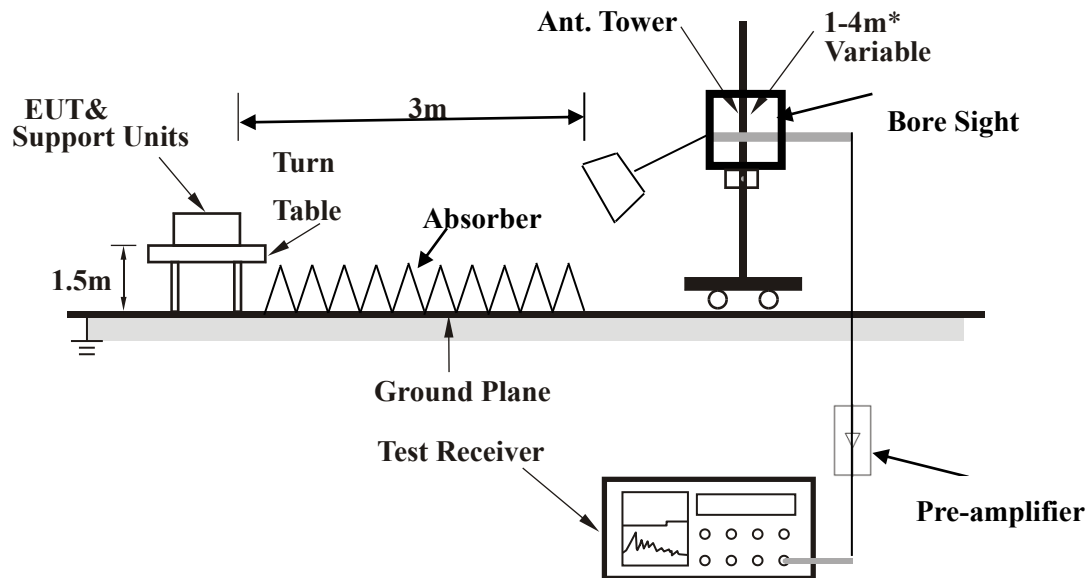


< Frequency Range 30MHz~1GHz >



Test Report No.: RF260703B005

<Frequency Range above 1GHz>



Note: Above 1G is a directional antenna

Depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

3.2.6 EUT OPERATING CONDITIONS

- Set the EUT under full load condition and placed them on a testing table.
- Set the transmitter part of EUT under transmission condition continuously at specific channel frequency.
- The necessary accessories enable the EUT in full functions.

Test Report No.: RF260703B005

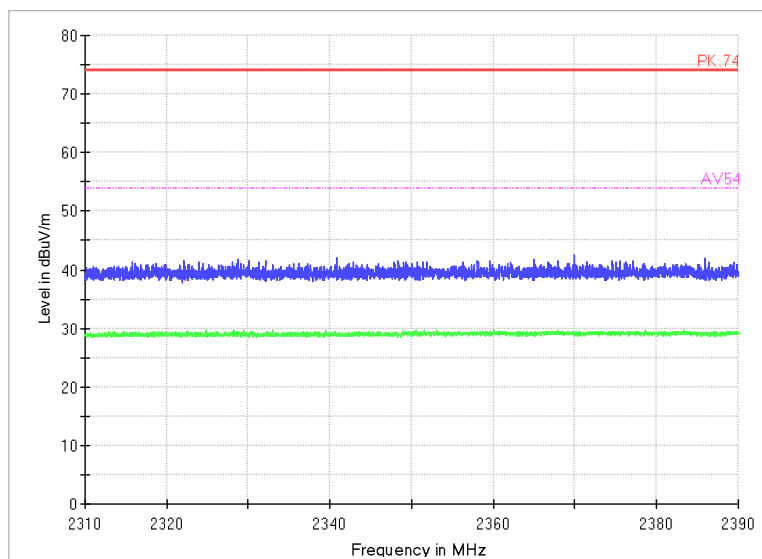
3.2.7 TEST RESULTS

Note 1: Both horizontal and vertical polarizations of the antenna are set to make the measurement.

Note 2: Three-axis equipment has been evaluated in test.

Note 3: The relevant tests have been performed in order to verify in which mode would have the worst features, the result show above is the worst case (Channel, Mode, Rate, Chain...).

Radiated Emission Band Edge for BT



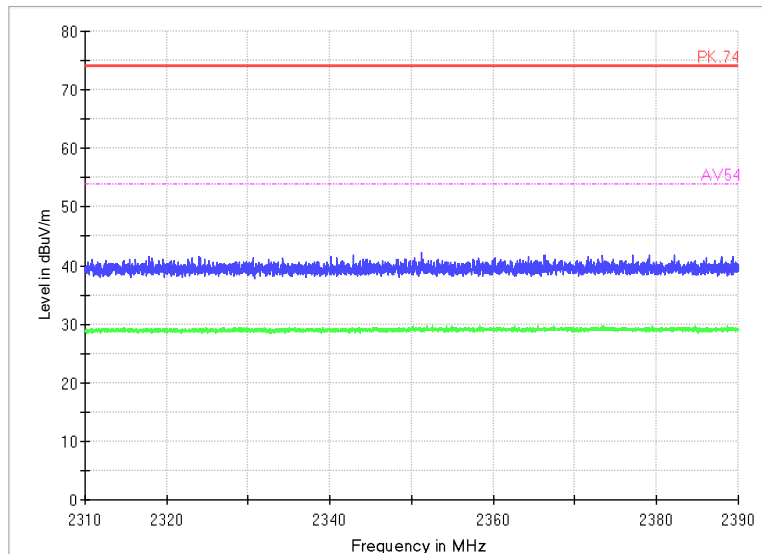
Carrier frequency (MHz): 2402

Channel No.:0

Test Mode: GFSK

Polarity: Vertical

Test Report No.: RF260703B005

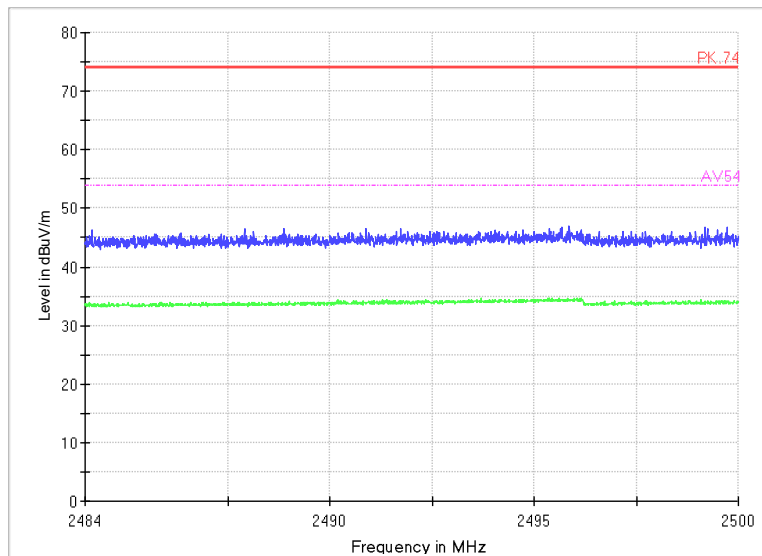


Carrier frequency (MHz): 2402

Channel No.:0

Test Mode: GFSK

Polarity: Horizontal



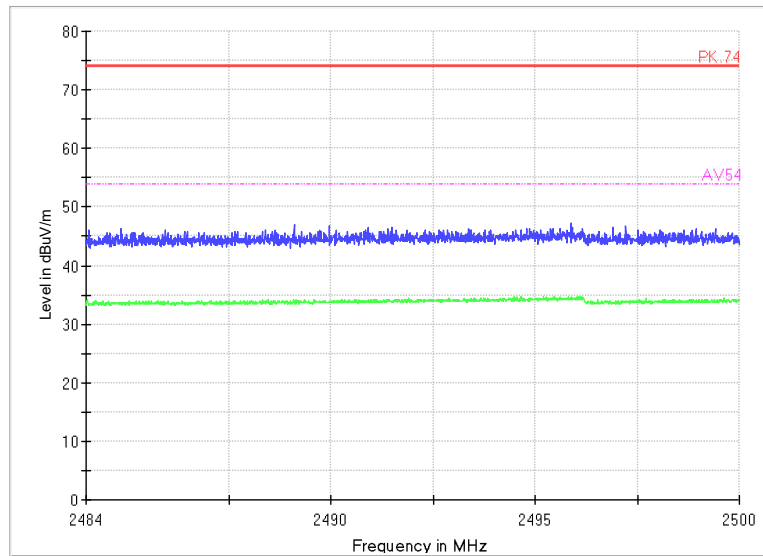
Carrier frequency (MHz): 2480

Channel No.:78

Test Mode: GFSK

Polarity: Vertical

Test Report No.: RF260703B005



Carrier frequency (MHz): 2480

Channel No.:78

Test Mode: GFSK

Polarity: Horizontal

Test Report No.: RF260703B005

Radiated Emission for BT

After comparison, the worst case attitude is EUT lay down.

Determining Spurious Emissions Levels

A “reference path loss” is established and the A_{Rpl} is the attenuation of “reference path loss”, and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

The measurement results are obtained as described below:

$$\text{Result} = P_{\text{mea}} + A_{Rpl}$$

Sample calculation: $(22.01 \text{ dB}\mu\text{V/m}) = (41.11 \text{ dB}\mu\text{V}) + (-19.1 \text{ dB/m})$, the corresponding frequency is 30.582MHz.

For GFSK

Channel No.:0

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
31.1155	21.77	-15.9	37.67	Vertical	40	18.23
85.775	21.54	-17.6	39.14	Vertical	40	18.46
156.876	30.08	-17.1	47.18	Vertical	43.5	13.42
178.216	26.88	-16.1	42.98	Vertical	43.5	16.62
554.0425	16.44	-4.6	21.04	Vertical	46	29.56
939.084	20.4	1.2	19.2	Vertical	46	25.6

For GFSK

Channel No.:39

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
30	23.4	-16.3	39.7	Vertical	40	16.6
83.8835	21.6	-18.1	39.7	Vertical	40	18.4
158.331	30.26	-17.1	47.36	Vertical	43.5	13.24
178.1675	26.81	-16.1	42.91	Vertical	43.5	16.69
497.637	15.31	-6	21.31	Vertical	46	30.69
933.3125	20.39	1.1	19.29	Vertical	46	25.61

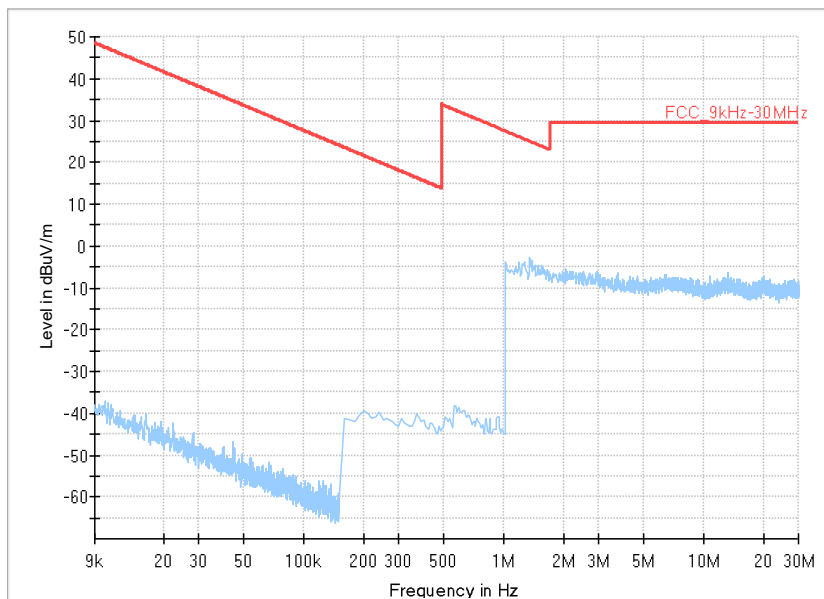
Test Report No.: RF260703B005

For GFSK

Channel No.:78

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
30.097	23.24	-16.3	39.54	Vertical	40	16.76
87.812	20.77	-17	37.77	Vertical	40	19.23
159.01	29.81	-17	46.81	Vertical	43.5	13.69
184.618	26.27	-15.3	41.57	Vertical	43.5	17.23
544.876	16.37	-4.8	21.17	Vertical	46	29.63
923.37	20.08	1	19.08	Vertical	46	25.92

Full Spectrum



Frequency Range: 9kHz -30MHz

Detector: QP mode

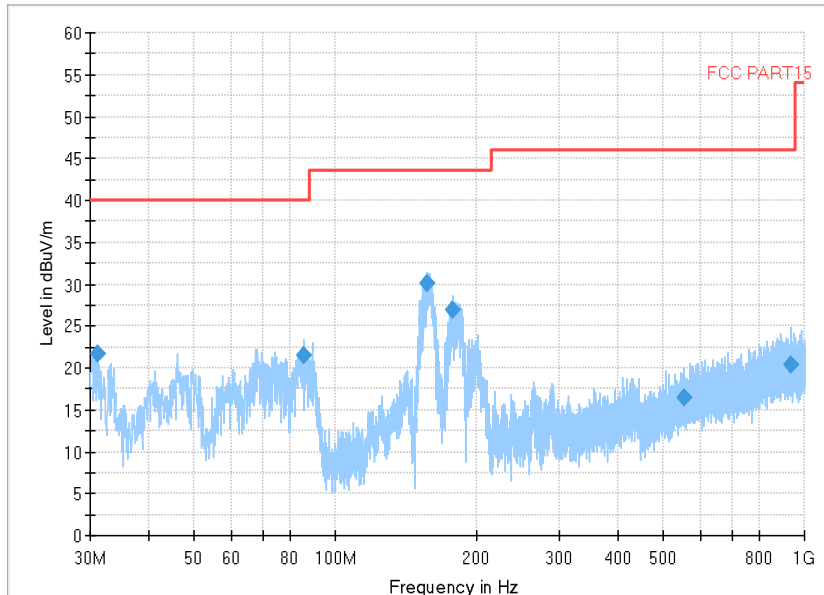
Note : The relevant tests have been performed in order to verify in which mode would have the worst features, the result show above is the worst case.

Test Report No.: RF260703B005

Carrier frequency (MHz): 2402

Channel No.:0

Full Spectrum

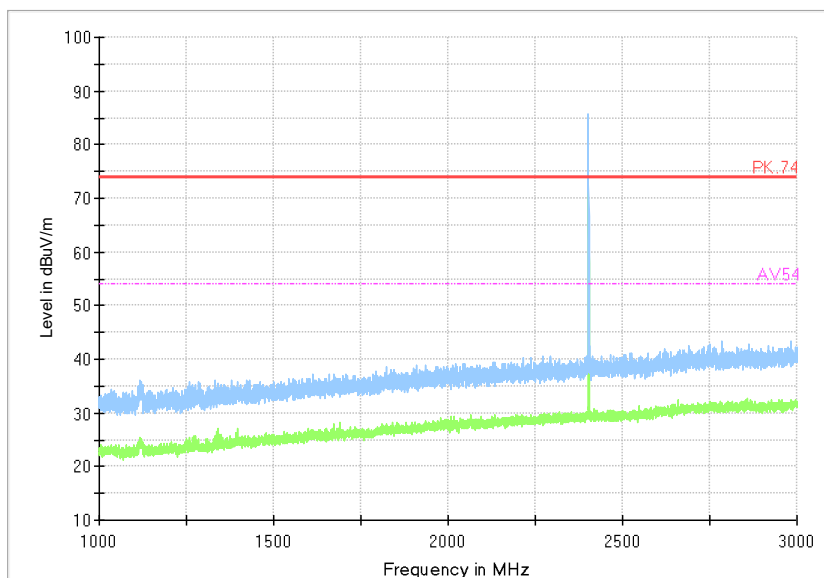


Frequency Range:30MHz-1GHz

Detector: QP mode

Modulation type: GFSK

Full Spectrum



Frequency Range: 1GHz-3GHz

Detector: Av mode and PK mode

BOOMWAVE TEST (SHENZHEN)
CO., LTD.

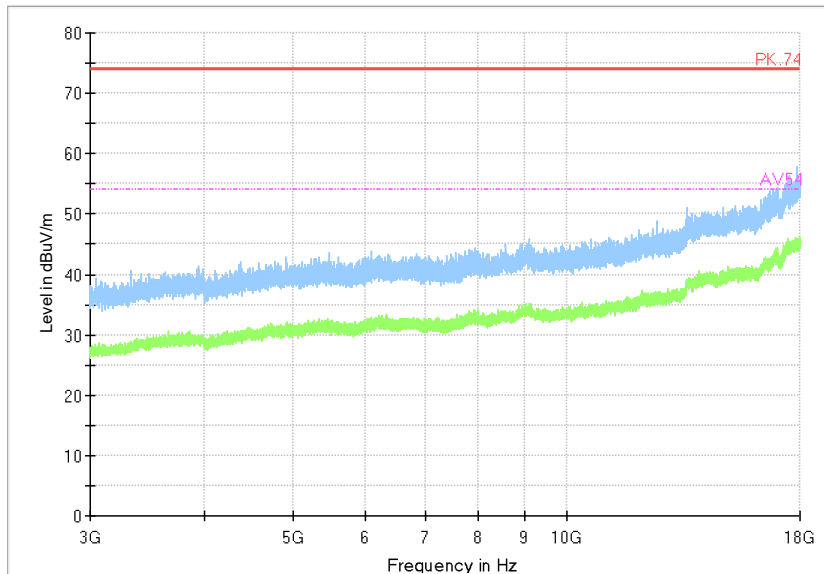
Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan
4th Road, Chiwan Community, Zhaoshang Street,
Nanshan District, Shenzhen, Guangdong, P.R. CHINA

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com

Test Report No.: RF260703B005

Modulation type: GFSK

Full Spectrum

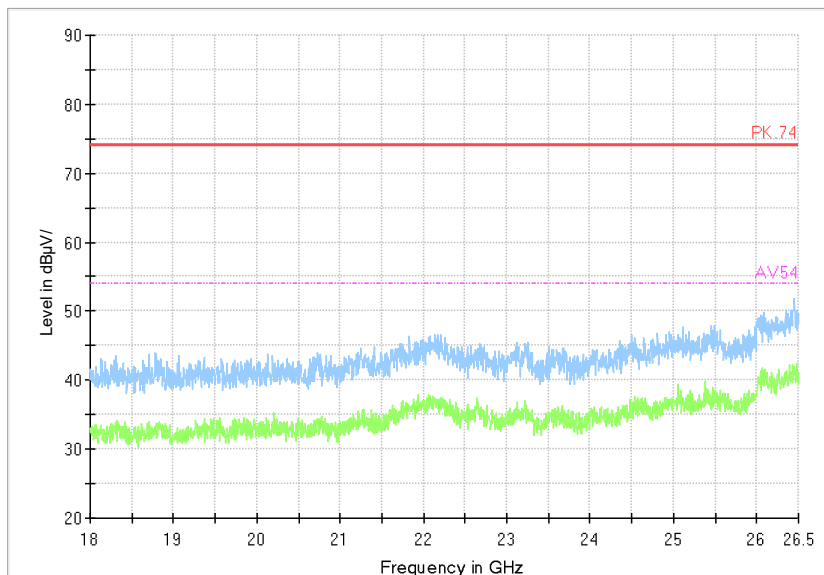


Frequency Range: 3GHz-18GHz

Detector: Av mode and PK mode

Modulation type: GFSK

Full Spectrum



Frequency Range: 18GHz-26GHz

Detector: Av mode and PK mode

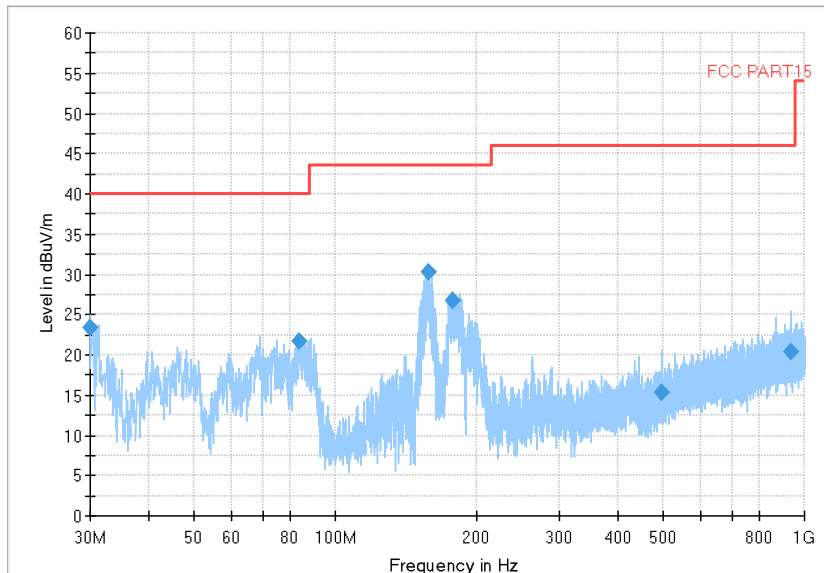
Modulation type: GFSK

Test Report No.: RF260703B005

Carrier frequency (MHz): 2440

Channel No : 39

Full Spectrum

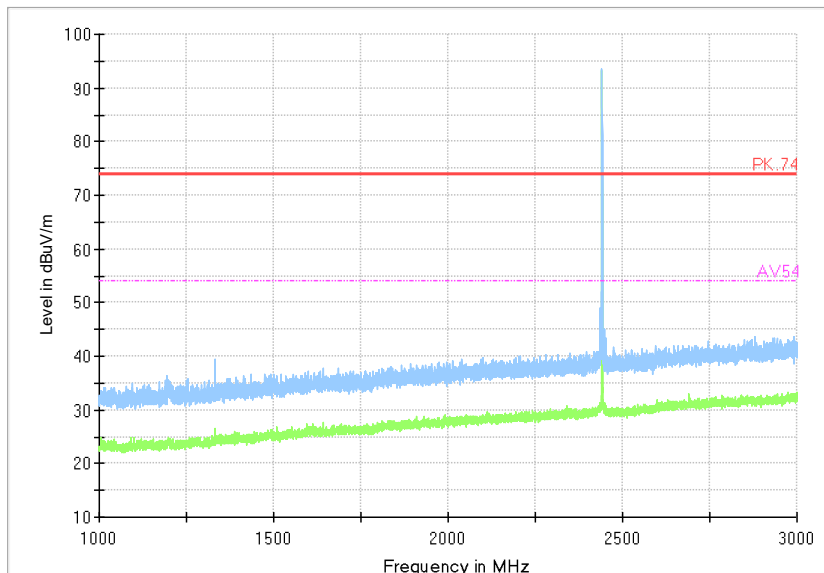


Frequency Range: 30MHz-1GHz

Detector: QP mode

Modulation type: GFSK

Full Spectrum



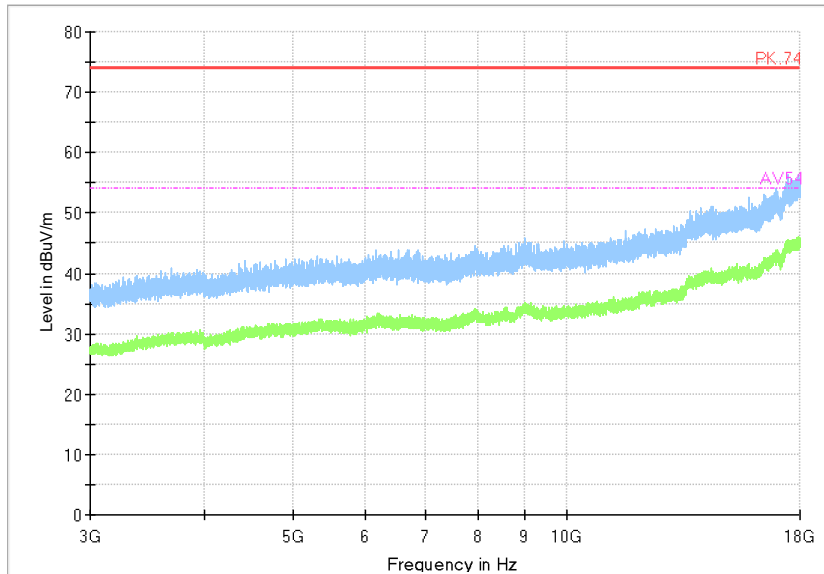
Frequency Range: 1GHz-3GHz

Detector: Av mode and PK mode

Modulation type: GFSK

Test Report No.: RF260703B005

Full Spectrum

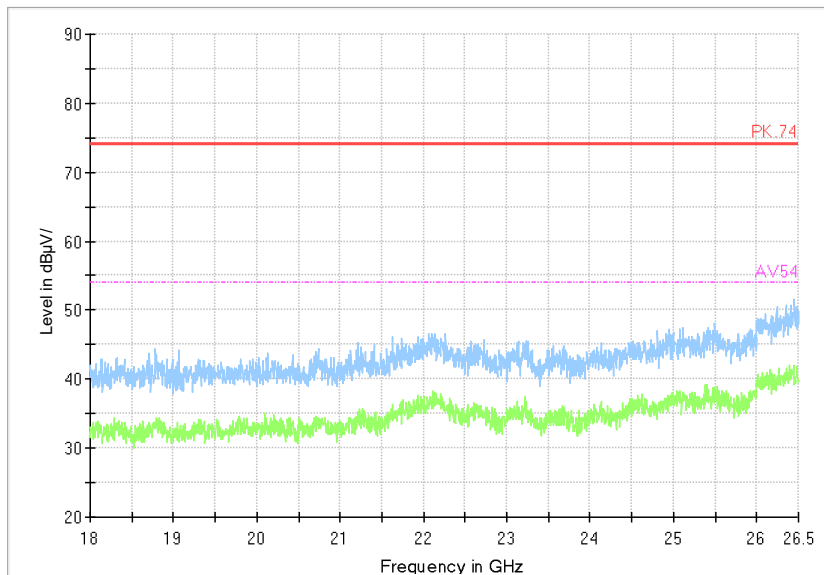


Frequency Range: 3GHz-18GHz

Detector: Av mode and PK mode

Modulation type: GFSK

Full Spectrum



Frequency Range: 18GHz-26GHz

Detector: Av mode and PK mode

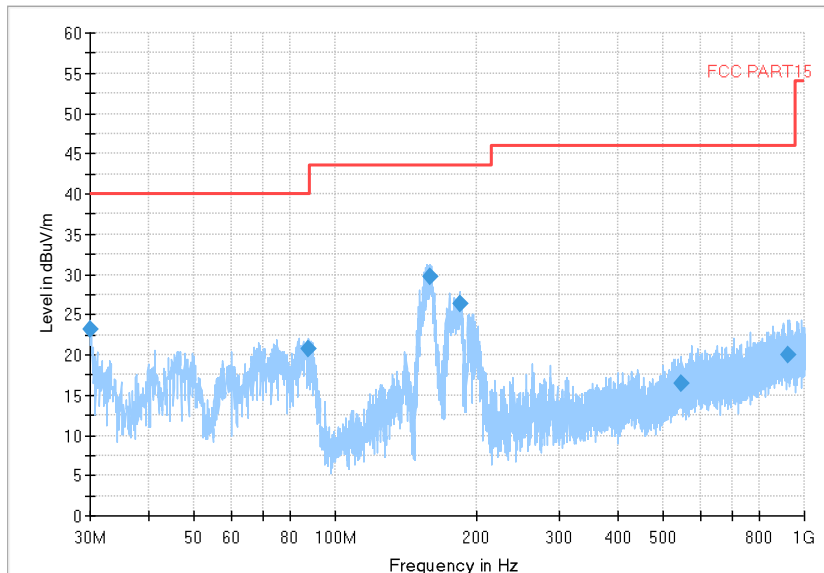
Modulation type: GFSK

Test Report No.: RF260703B005

Carrier frequency (MHz): 2480

Channel No:78

Full Spectrum

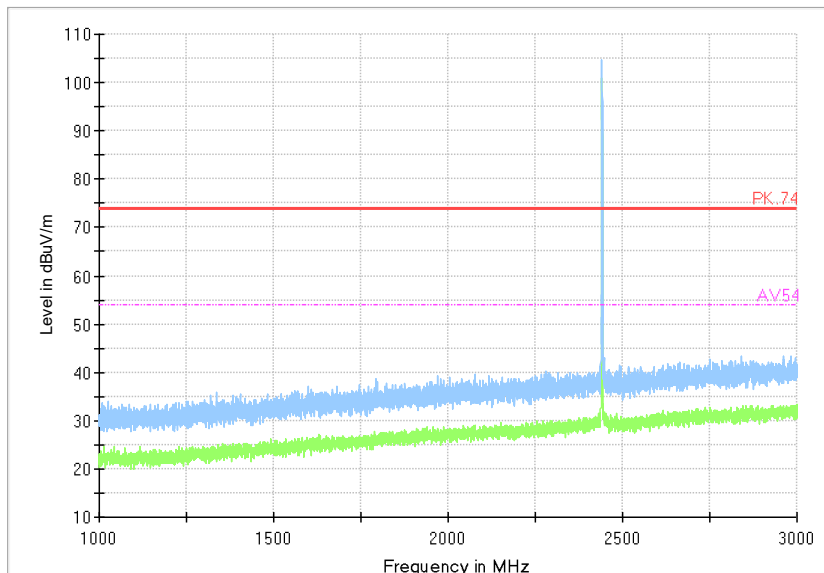


Frequency Range:30MHz-1GHz

Detector: QP mode

Modulation type: GFSK

Full Spectrum



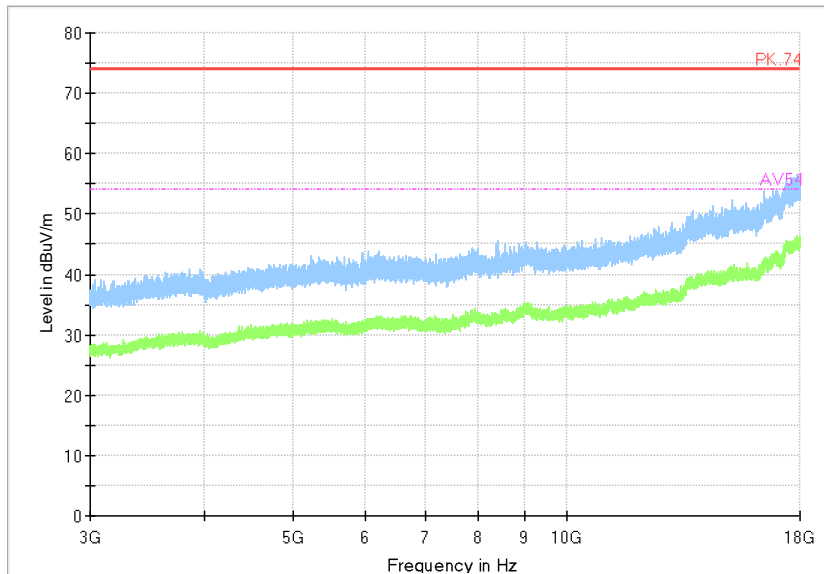
Frequency Range: 1GHz-3GHz

Detector: Av mode and PK mode

Test Report No.: RF260703B005

Modulation type: GFSK

Full Spectrum

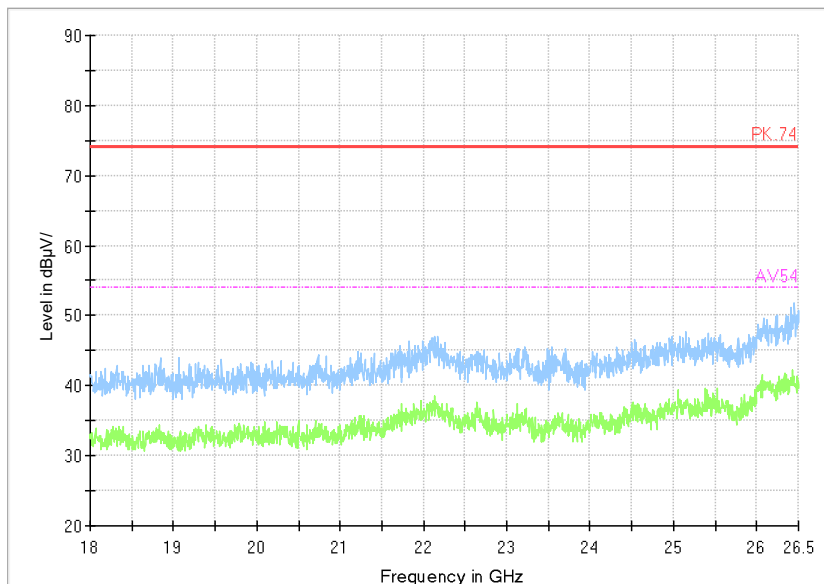


Frequency Range: 3GHz-18GHz

Detector: Av mode and PK mode

Modulation type: GFSK

Full Spectrum



Frequency Range: 18GHz-26GHz

Detector: Av mode and PK mode

Modulation type: GFSK

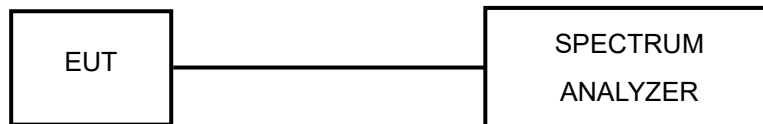
Test Report No.: RF260703B005

3.3 NUMBER OF HOPPING FREQUENCY USED

3.3.1 LIMIT OF HOPPING FREQUENCY USED

At least 15 channels frequencies, and should be equally spaced.

3.3.2 TEST SETUP



3.3.3 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Wireless communication integrated tester	Rohde&Schwarz	CMW500	166205	2026/6/30	2027/6/29
MXA Signal Analyzer	KEYSIGHT	N9020B	MY60112669	2025/8/27	2026/8/26
WiFi 7GHz Band Extender	Tonscend	TS-WF7U2	806WF7U003305251003	2026/1/17	2027/1/16
RF Control Unit	Tonscend	JS0806-2	806JS2X020201251002	2026/1/17	2027/1/16
PSG Analog Signal Generator	Agilent	E8257D	MY51111397	2026/7/01	2027/6/30
MXG Vector Signal Generator	KEYSIGHT	N5182B	MY61250150	2026/1/15	2027/1/14
DC Power Supply	AGILENT	HMP2020	100598	2026/7/01	2027/6/30
10dB attenuator	JFW INDUSTRIES INC	50HF-010-SMA	50HF-010-SMA-1	2026/6/30	2027/6/29
10dB attenuator	JFW INDUSTRIES INC	50HF-010-SMA	50HF-010-SMA-2	2026/6/30	2027/6/29
hygrothermograph	Anymetrers	----	TH101B	2026/7/22	2027/7/21
Temperature Box	zhongkemeiqi	MA22040172	MQ-DTH50F-2	2026/7/01	2027/6/30
power divider	WOKEN	71688	204-003180-01	2026/6/30	2027/6/29

NOTE:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
2. The test was performed in RF Oven room.



Test Report No.: RF260703B005

3.3.4 TEST PROCEDURES

- a. Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.
- b. Turn on the EUT and connect its antenna terminal to measurement via a low loss cable. Then set it to any one measured frequency within its operating range and make sure the instrument is operated in its linear range.
- c. Set the SA on MaxHold Mode, and then keep the EUT in hopping mode. Record all the signals from each channel until each one has been recorded.
- d. Set the SA on View mode and then plot the result on SA screen.
- e. Repeat above procedures until all frequencies measured were completed.

3.3.5 DEVIATION FROM TEST STANDARD

No deviation.

3.3.6 TEST RESULTS

There are 79 hopping frequencies in the hopping mode. Please refer to next two pages for the test result. On the plots, it shows that the hopping frequencies are equally spaced.

Please Refer to Appendix Of this test report.

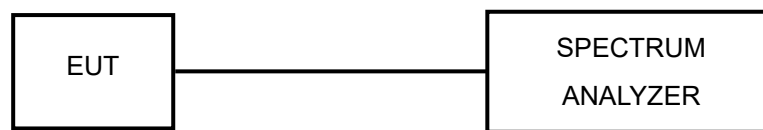
Test Report No.: RF260703B005

3.4 DWELL TIME ON EACH CHANNEL

3.4.1 LIMIT OF DWELL TIME USED

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.

3.4.2 TEST SETUP



3.4.3 TEST INSTRUMENTS

Refer to section 3.3.3 to get information of above instrument.

3.4.4 TEST PROCEDURES

- a. Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.
- b. Turn on the EUT and connect its antenna terminal to measurement via a low loss cable. Then set it to any one measured frequency within its operating range and make sure the instrument is operated in its linear range.
- c. Adjust the center frequency of SA on any frequency be measured and set SA to zero span mode. And then, set RBW and VBW of spectrum analyzer to proper value.
- d. Measure the time duration of one transmission on the measured frequency. And then plot the result with time difference of this time duration.
- e. Repeat above procedures until all different time-slot modes have been completed.

3.4.5 DEVIATION FROM TEST STANDARD

No deviation.



Test Report No.: RF260703B005

3.4.6 TEST RESULTS

Please Refer to Appendix Of this test report.

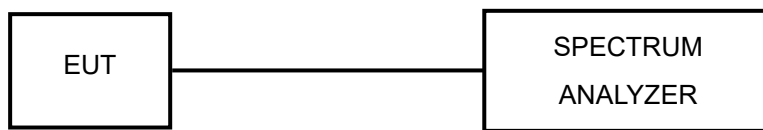
Test Report No.: RF260703B005

3.5 CHANNEL BANDWIDTH

3.5.1 LIMITS OF CHANNEL BANDWIDTH

For frequency hopping system operating in the 2400-2483.5MHz, If the 20dB bandwidth of hopping channel is greater than 25kHz, two-thirds 20dB bandwidth of hopping channel shall be a minimum limit for the hopping channel separation.

3.5.2 TEST SETUP



3.5.3 TEST INSTRUMENTS

Refer to section 3.3.3 to get information of above instrument.

3.5.4 TEST PROCEDURE

- a. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- b. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
- c. Measure the frequency difference of two frequencies that were attenuated 20dB from the reference level. Record the frequency difference as the emission bandwidth.
- d. Repeat above procedures until all frequencies measured were complete.

3.5.5 DEVIATION FROM TEST STANDARD

No deviation.



Test Report No.: RF260703B005

3.5.6 EUT OPERATING CONDITION

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

3.5.7 TEST RESULTS

Please Refer to Appendix Of this test report.

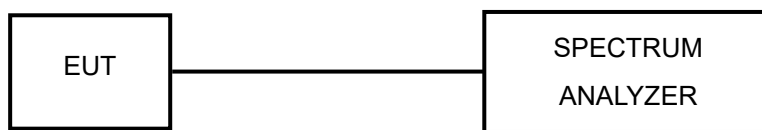
Test Report No.: RF260703B005

3.6 HOPPING CHANNEL SEPARATION

3.6.1 LIMIT OF HOPPING CHANNEL SEPARATION

At least 25kHz or two-third of 20dB hopping channel bandwidth (whichever is greater).

3.6.2 TEST SETUP



3.6.3 TEST INSTRUMENTS

Refer to section 3.3.3 to get information of above instrument.

3.6.4 TEST PROCEDURES

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range.
3. By using the MaxHold function record the separation of two adjacent channels.
4. Measure the frequency difference of these two adjacent channels by SA MARK function. And then plot the result on SA screen.
5. Repeat above procedures until all frequencies measured were complete.

3.6.5 DEVIATION FROM TEST STANDARD

No deviation.

3.6.6 TEST RESULTS

Please Refer to Appendix Of this test report.

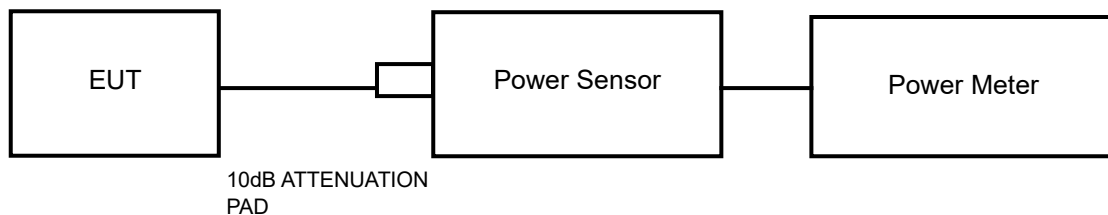
Test Report No.: RF260703B005

3.7 MAXIMUM OUTPUT POWER

3.7.1 LIMITS OF MAXIMUM OUTPUT POWER MEASUREMENT

The Maximum Output Power Measurement is 125mW.

3.7.2 TEST SETUP



3.7.3 TEST INSTRUMENTS

Refer to section 3.3.3 to get information of above instrument.

3.7.4 TEST PROCEDURES

A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor. Record the power level.

3.7.5 DEVIATION FROM TEST STANDARD

No deviation.

3.7.6 EUT OPERATING CONDITION

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

3.7.7 TEST RESULTS

3.7.7.1 MAXIMUM PEAK OUTPUT POWER

Please Refer to Appendix Of this test report.



Test Report No.: RF260703B005

3.7.7.2 AVERAGE OUTPUT POWER (FOR REFERENCE)

The average power sensor was used on the output port of the EUT. A power meter was used to read the response of the power sensor. Record the power level.

Please Refer to Appendix Of this test report.

Test Report No.: RF260703B005

3.8 OUT OF BAND MEASUREMENT

3.8.1 LIMITS OF OUT OF BAND MEASUREMENT

Below -20dB of the highest emission level of operating band (in 100KHz RBW).

3.8.2 TEST INSTRUMENTS

Refer to section 3.3.3 to get information of above instrument.

3.8.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer via a low loss cable. Spectrum Analyzer was set RBW to 100 kHz and VBW to 300 kHz with suitable frequency span including 100 MHz bandwidth from band edge. Detector = PEAK and Trace mode = Max Hold. The band edges was measured and recorded.

3.8.4 DEVIATION FROM TEST STANDARD

No deviation.

3.8.5 EUT OPERATING CONDITION

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

3.8.6 TEST RESULTS

The spectrum plots are attached on the following images. D1 line indicates the highest level. D2 line indicates the 20dB offset below D1. It shows compliance to the requirement.

Please Refer to Appendix Of this test report.



Test Report No.: RF260703B005

4 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).

5 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.

6 APPENDIX

BT ANT7

1. Bandwidth

1.1.1 OBW

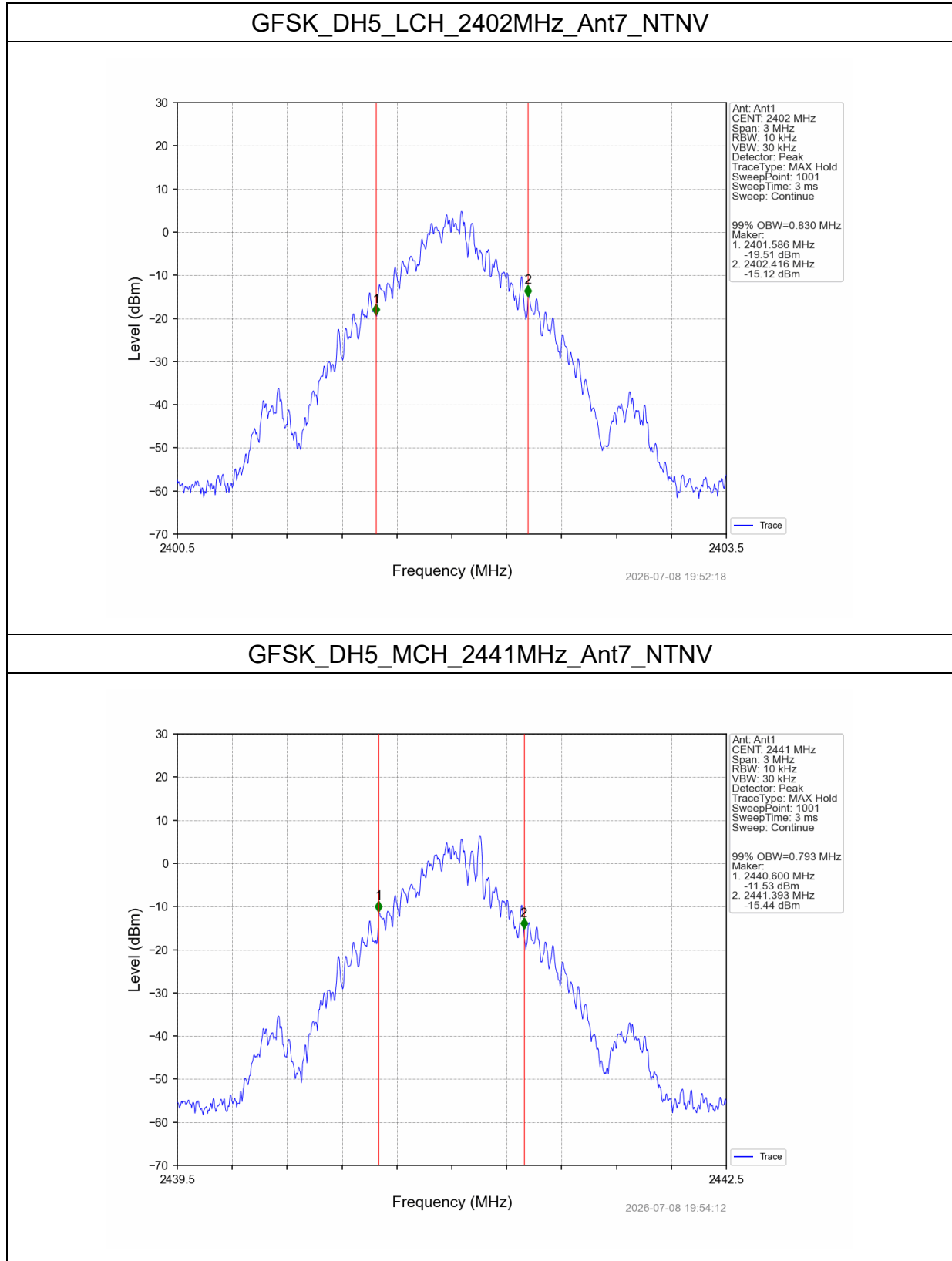
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	7	0.830	/	Pass
		2441	DH5	7	0.793	/	Pass
		2480	DH5	7	0.795	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	7	1.175	/	Pass
		2441	2DH5	7	1.176	/	Pass
		2480	2DH5	7	1.173	/	Pass
8DPSK	SISO	2402	3DH5	7	1.171	/	Pass
		2441	3DH5	7	1.170	/	Pass
		2480	3DH5	7	1.169	/	Pass

1.1.2 20DB BW

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	7	0.880	/	Pass
		2441	DH5	7	0.840	/	Pass
		2480	DH5	7	0.842	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	7	1.310	/	Pass
		2441	2DH5	7	1.292	/	Pass
		2480	2DH5	7	1.309	/	Pass
8DPSK	SISO	2402	3DH5	7	1.246	/	Pass
		2441	3DH5	7	1.243	/	Pass
		2480	3DH5	7	1.245	/	Pass

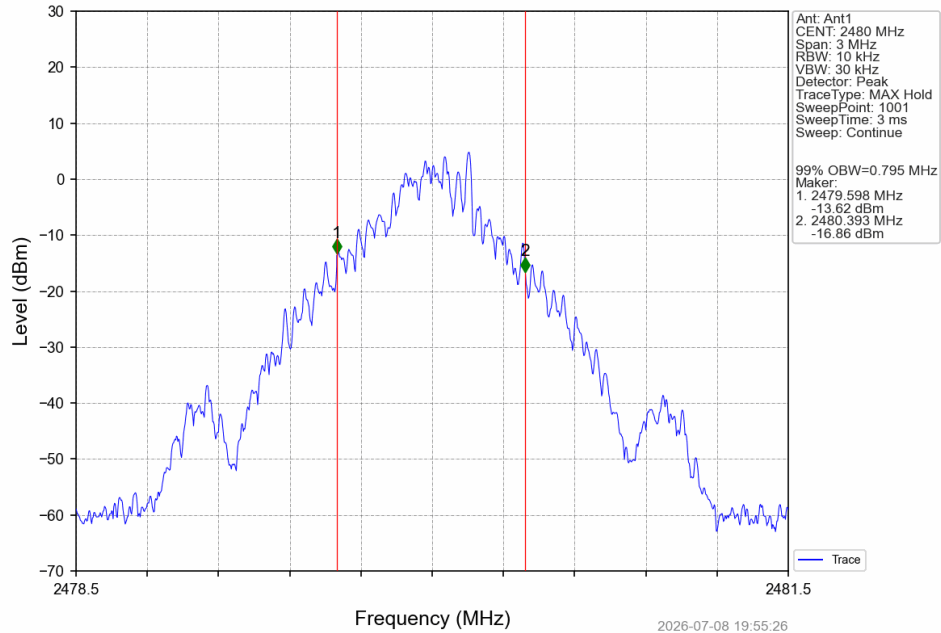
Test Report No.: RF260703B005

Test Graph

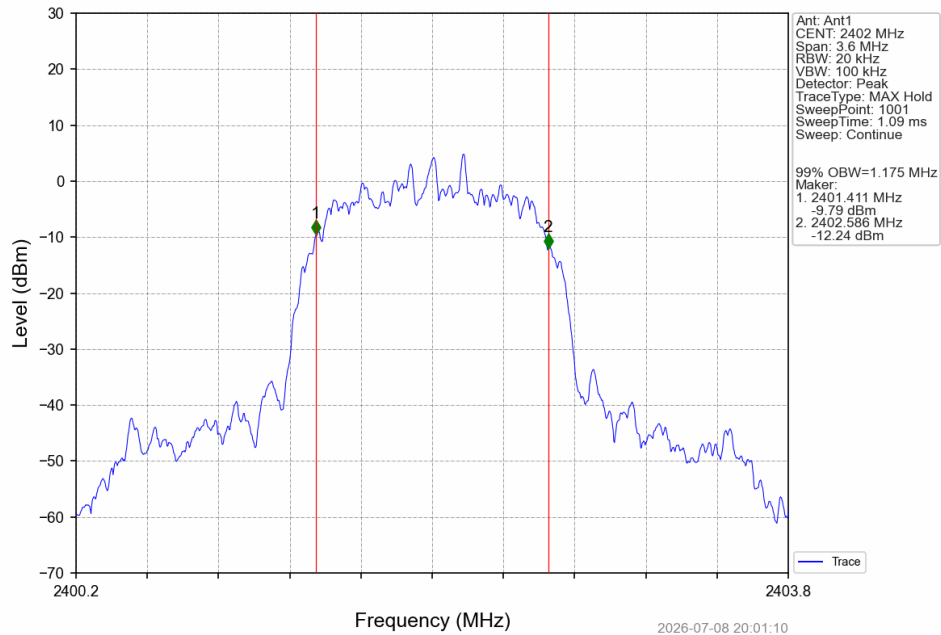


Test Report No.: RF260703B005

GFSK_DH5_HCH_2480MHz_Ant7_NTNV

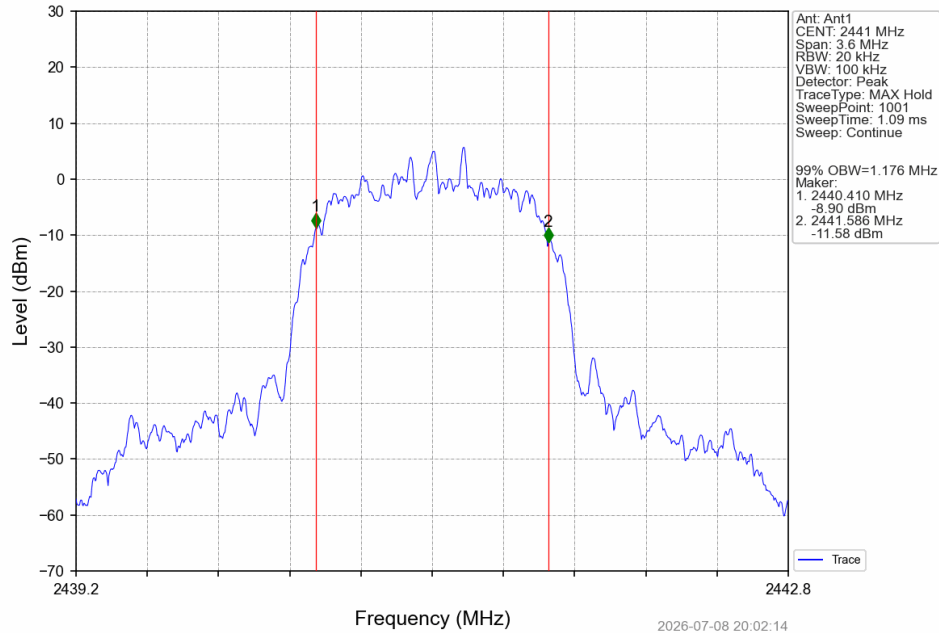


Pi/4DQPSK_2DH5_LCH_2402MHz_Ant7_NTNV

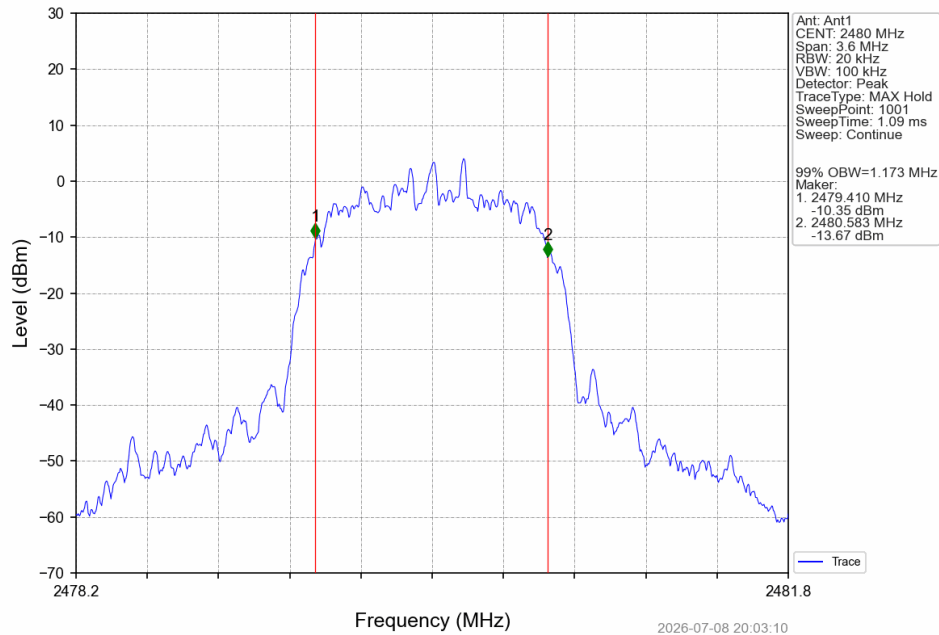


Test Report No.: RF260703B005

Pi/4DQPSK_2DH5_MCH_2441MHz_Ant7_NTNV

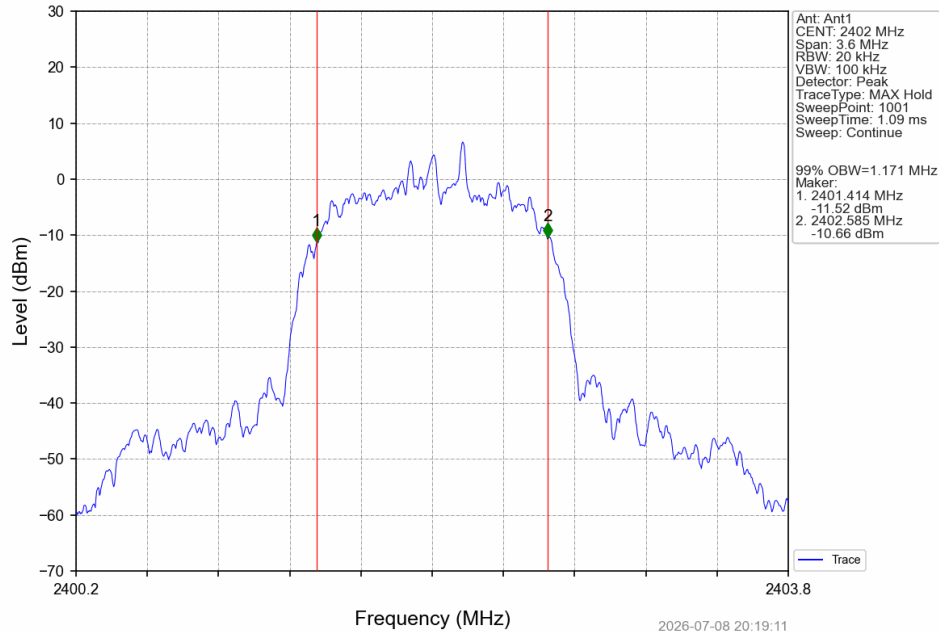


Pi/4DQPSK_2DH5_HCH_2480MHz_Ant7_NTNV

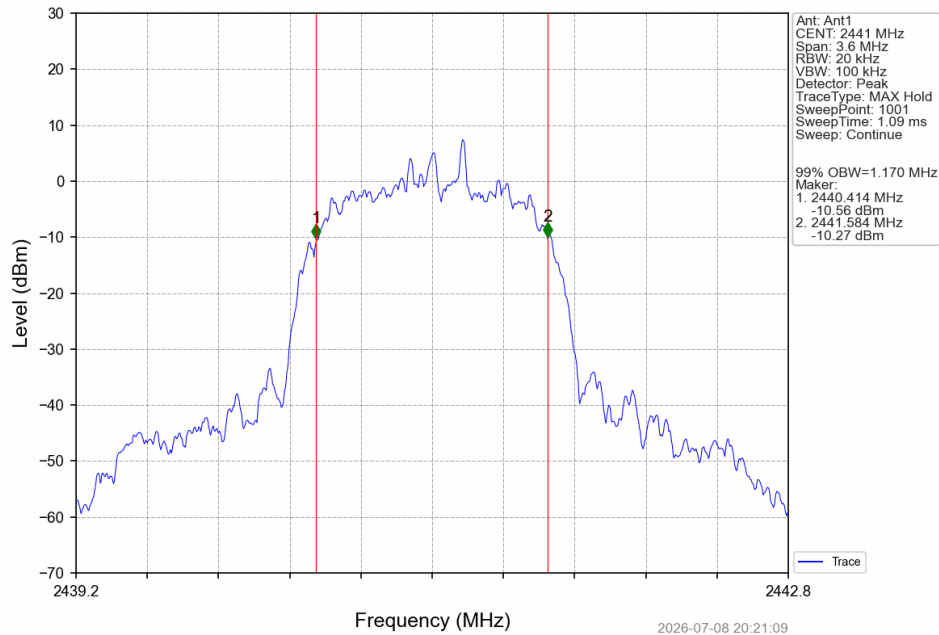


Test Report No.: RF260703B005

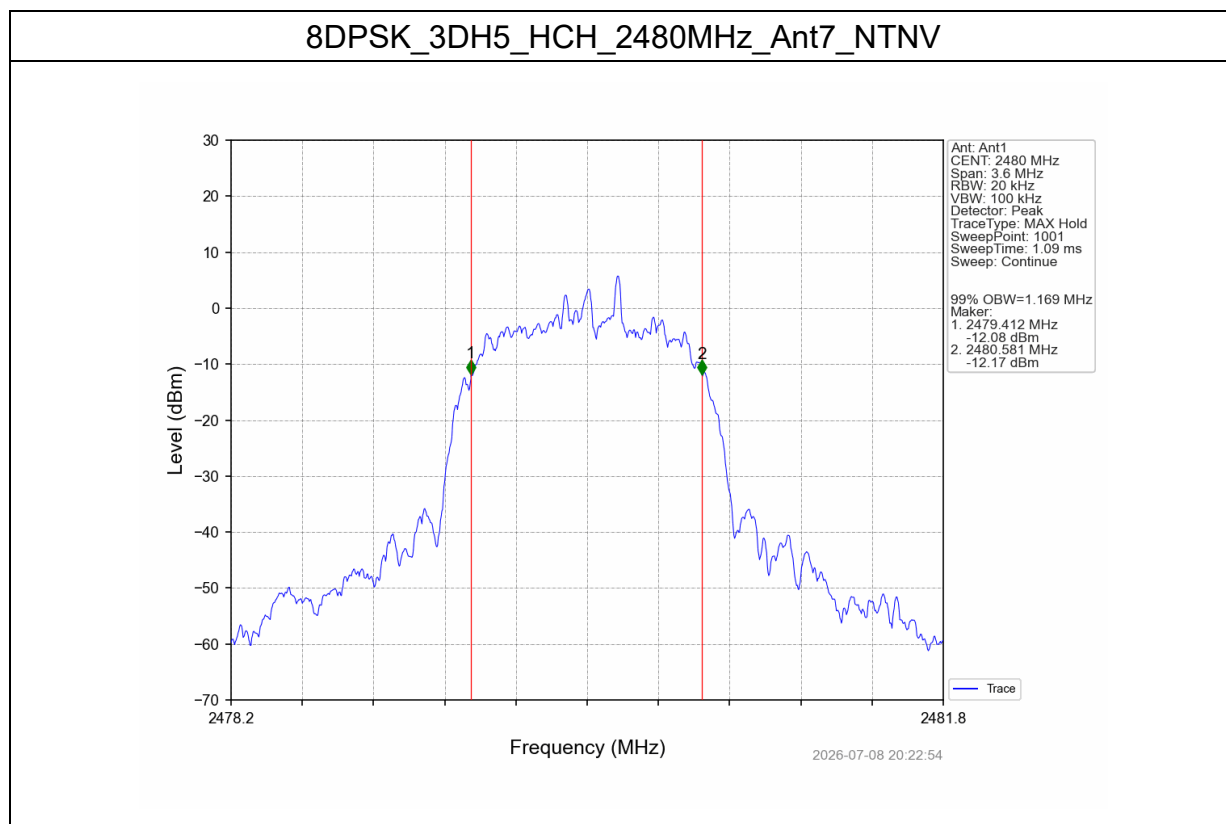
8DPSK_3DH5_LCH_2402MHz_Ant7_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant7_NTNV



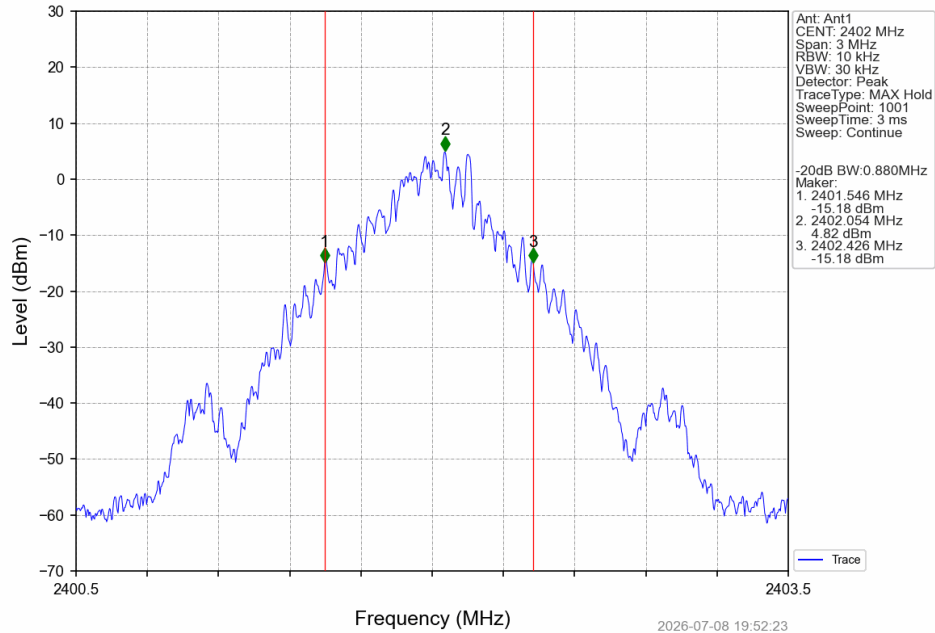
Test Report No.: RF260703B005



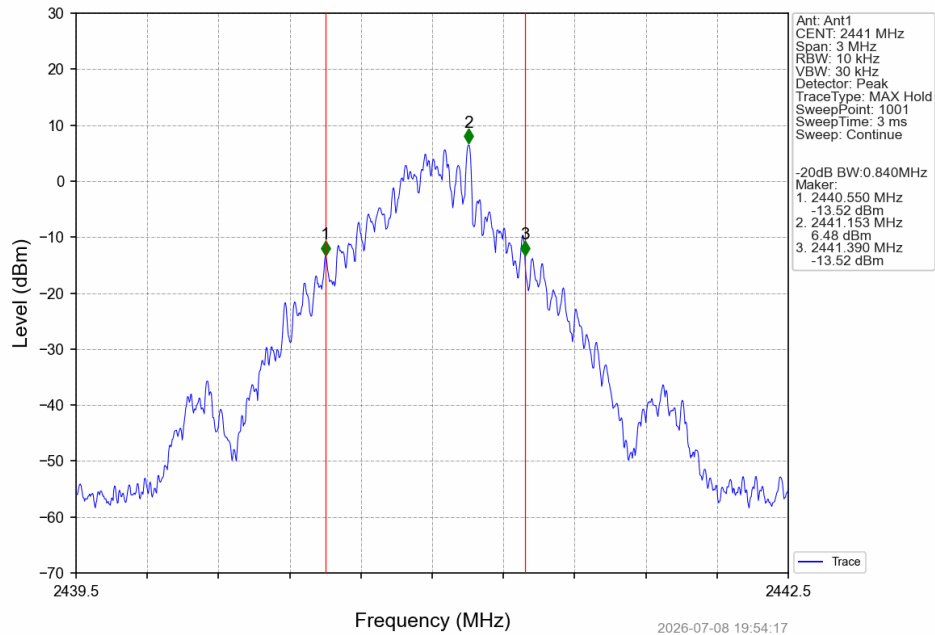
Test Report No.: RF260703B005

20dB BW

GFSK_DH5_LCH_2402MHz_Ant7_NTNV

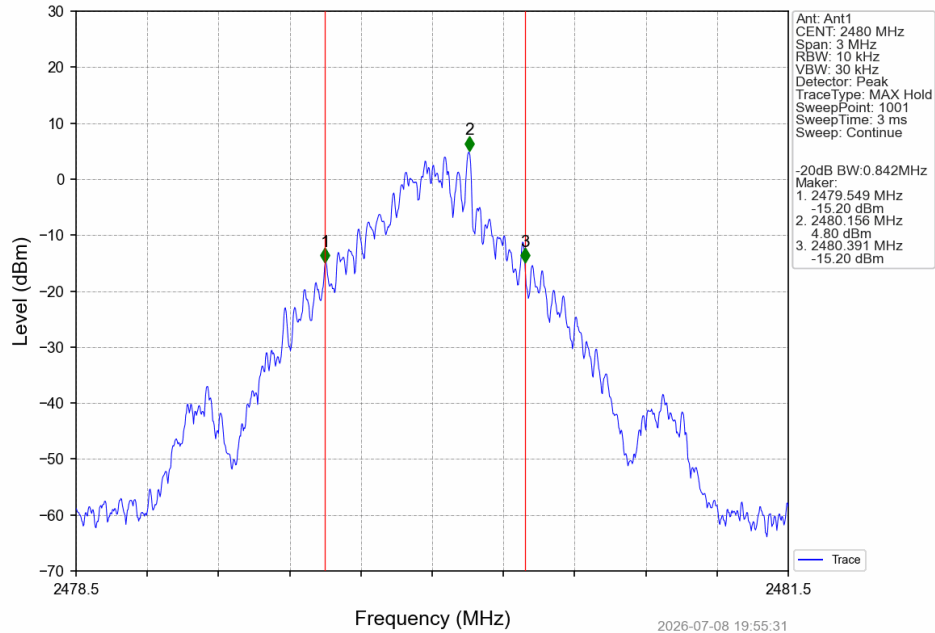


GFSK_DH5_MCH_2441MHz_Ant7_NTNV

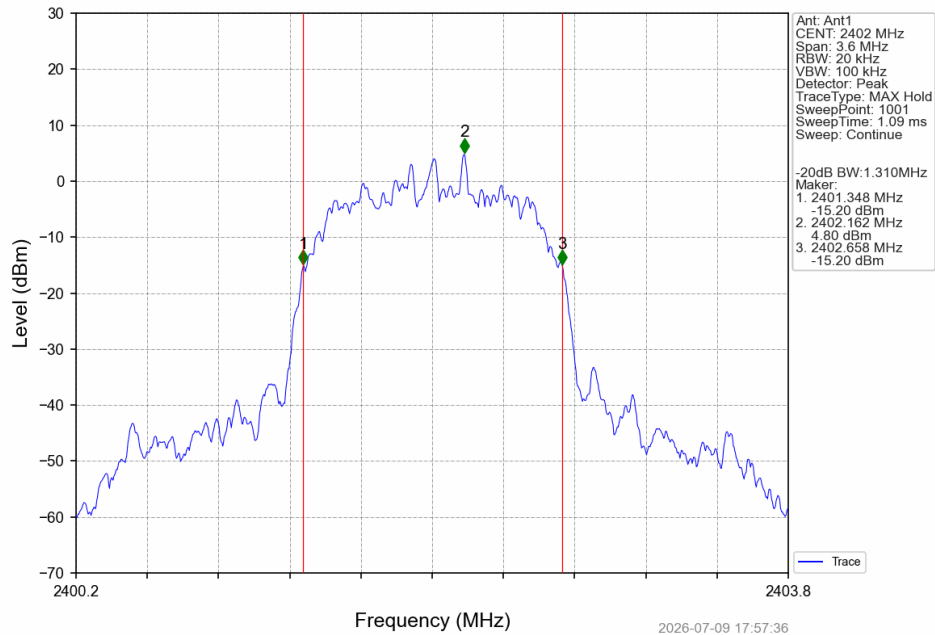


Test Report No.: RF260703B005

GFSK_DH5_HCH_2480MHz_Ant7_NTNV

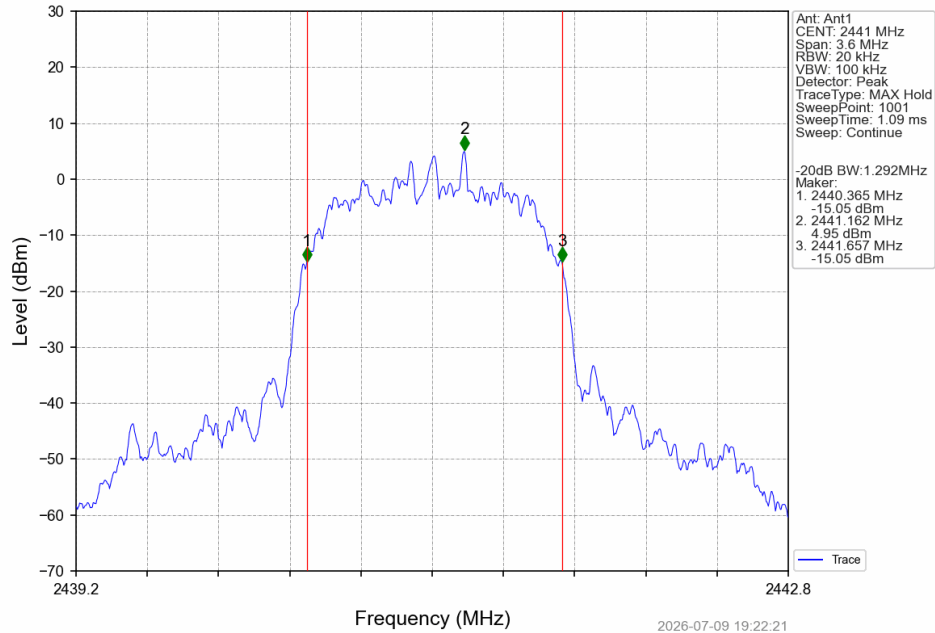


Pi/4DQPSK_2DH5_LCH_2402MHz_Ant7_NTNV

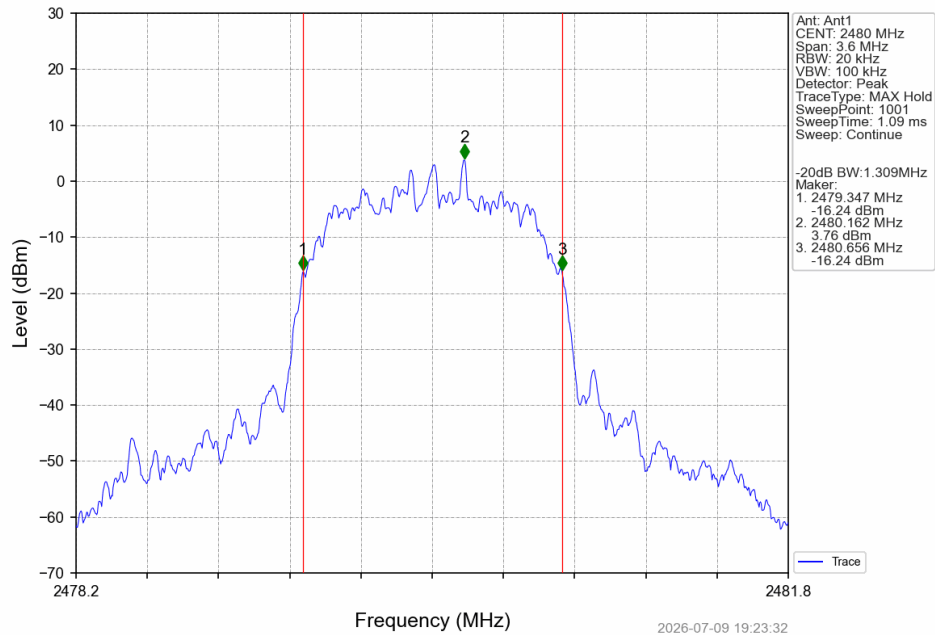


Test Report No.: RF260703B005

Pi/4DQPSK_2DH5_MCH_2441MHz_Ant7_NTNV

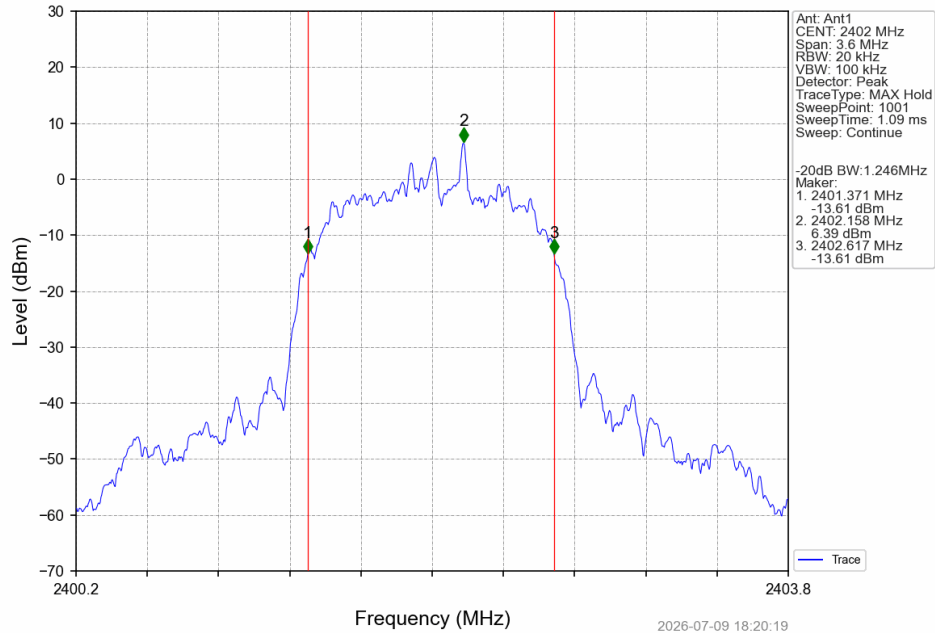


Pi/4DQPSK_2DH5_HCH_2480MHz_Ant7_NTNV

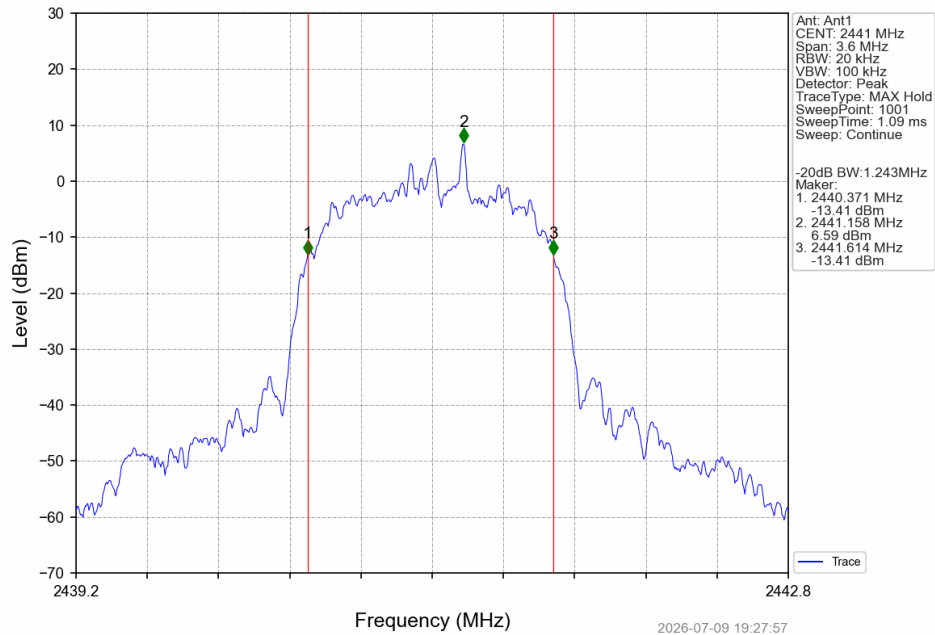


Test Report No.: RF260703B005

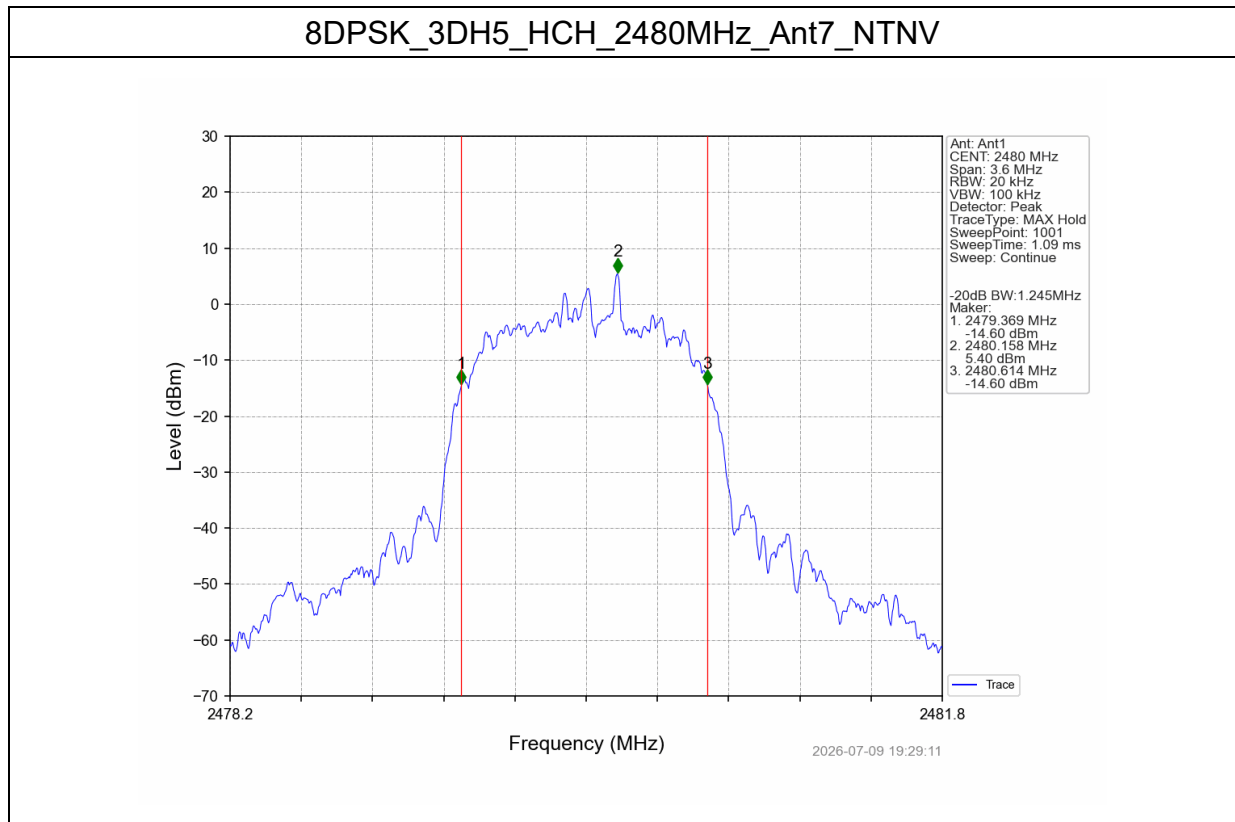
8DPSK_3DH5_LCH_2402MHz_Ant7_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant7_NTNV



Test Report No.: RF260703B005



Test Report No.: RF260703B005

2. Maximum Conducted Output Power

2.1 TEST RESULT

2.1.1 POWER

Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT7	Limit	
GFSK	SISO	2402	DH5	11.03	<=30	Pass
		2441	DH5	10.92	<=30	Pass
		2480	DH5	9.51	<=30	Pass
Pi/4DQPSK	SISO	2402	2DH5	10.78	<=20.97	Pass
		2441	2DH5	10.58	<=20.97	Pass
		2480	2DH5	9.40	<=20.97	Pass
8DPSK	SISO	2402	3DH5	11.08	<=20.97	Pass
		2441	3DH5	10.93	<=20.97	Pass
		2480	3DH5	9.75	<=20.97	Pass
Note1: Antenna Gain: Ant7: -1.90dBi;						

Test Report No.: RF260703B005

3. Carrier Frequency Separation

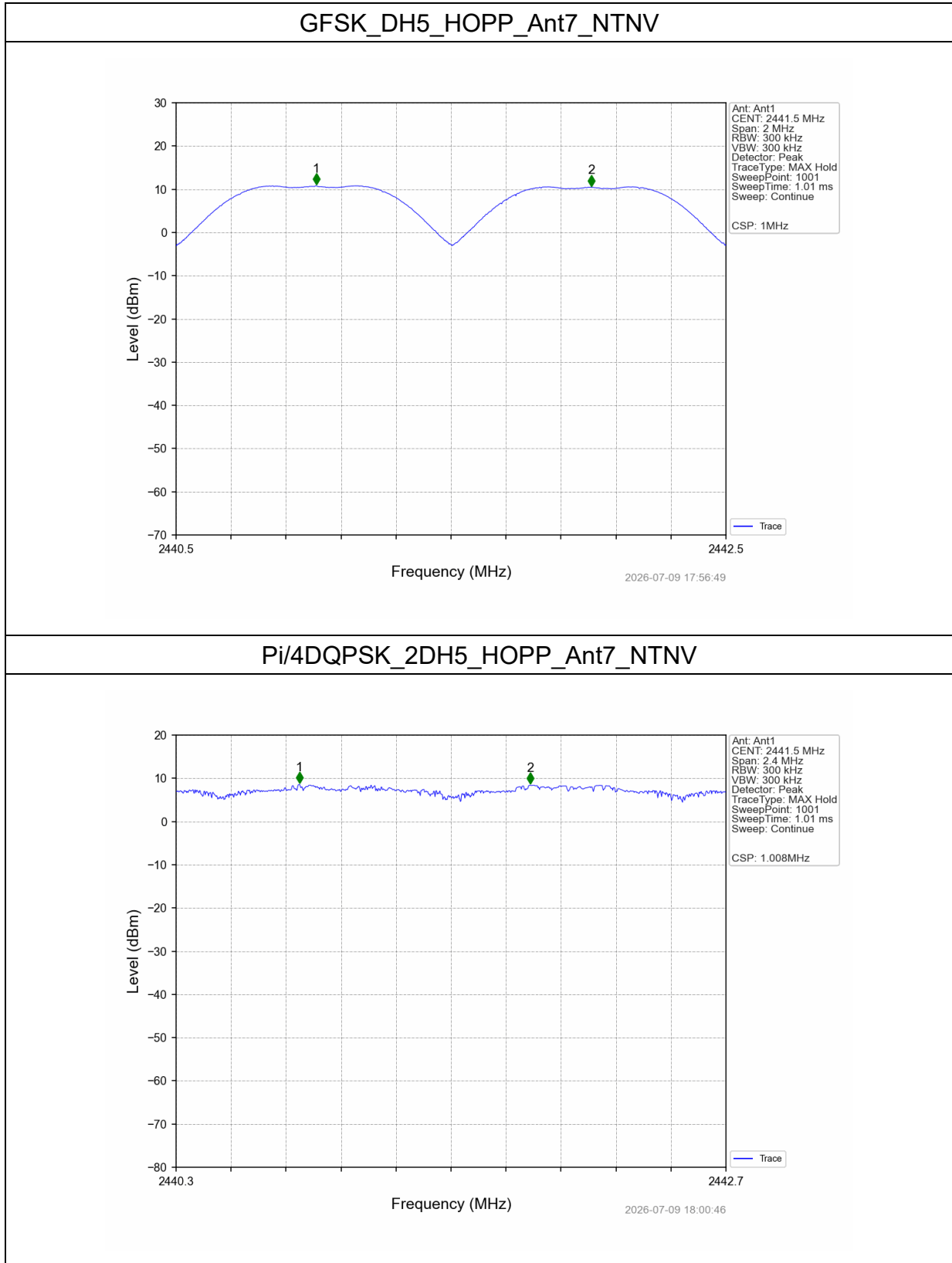
3.1 TEST RESULT

3.1.1 ANT7

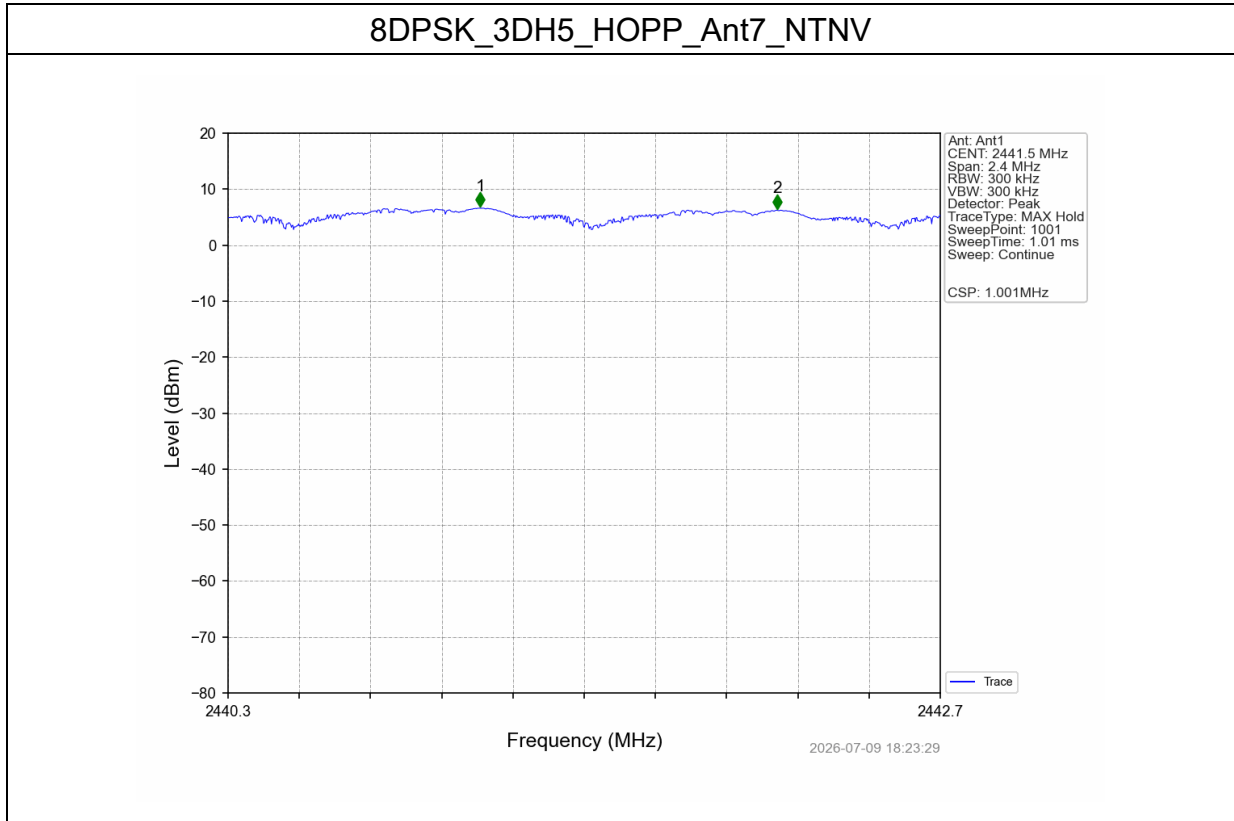
Ant7							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	1.000	0.880	≥ 0.88	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	1.008	1.310	≥ 0.873	Pass
8DPSK	SISO	HOPP	3DH5	1.001	1.246	≥ 0.831	Pass

Test Report No.: RF260703B005

Test Graph



Test Report No.: RF260703B005



Test Report No.: RF260703B005

4. Number of Hopping Frequencies

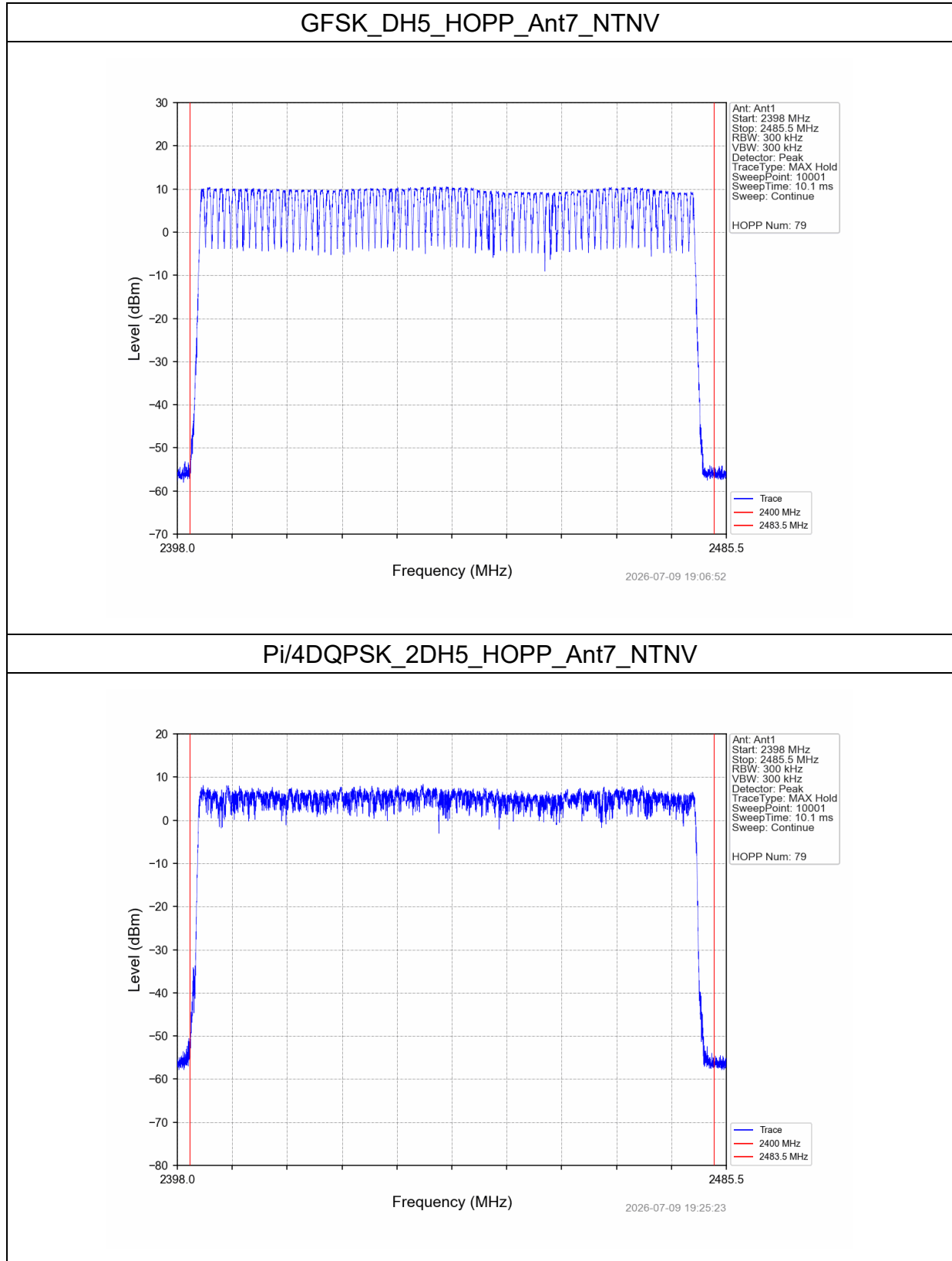
4.1 TEST RESULT

4.1.1 HOPPNUM

Mode	TX Type	Frequency (MHz)	Packet Type	Num of Hopping Frequencies		Verdict
				ANT7	Limit	
GFSK	SISO	HOPP	DH5	79	≥ 15	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	79	≥ 15	Pass
8DPSK	SISO	HOPP	3DH5	79	≥ 15	Pass

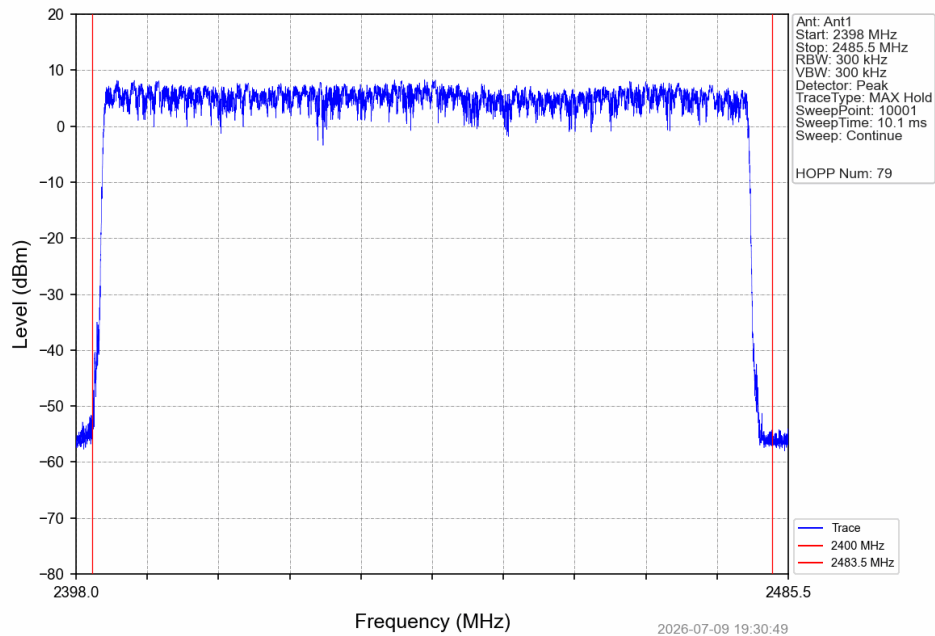
Test Report No.: RF260703B005

Test Graph



Test Report No.: RF260703B005

8DPSK_3DH5_HOPP_Ant7_NTNV



Test Report No.: RF260703B005

5. Time of Occupancy (Dwell Time)

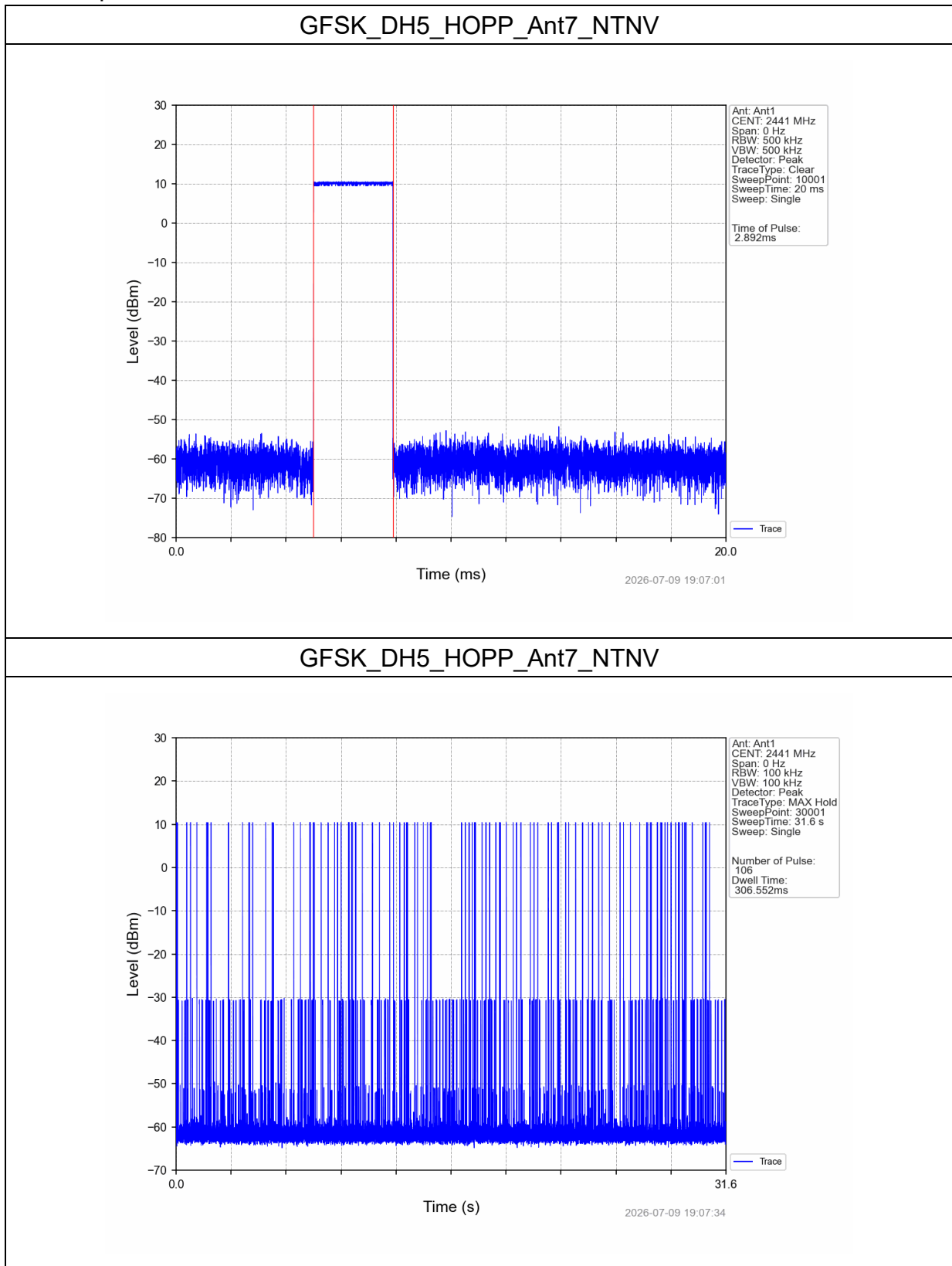
5.1 TEST RESULT

5.1.1 ANT7

Ant7									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH5	2.892	31.600	106	306.552	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	2.892	31.600	111	321.012	<=400	Pass
8DPSK	SISO	HOPP	3DH5	2.894	31.600	111	321.234	<=400	Pass

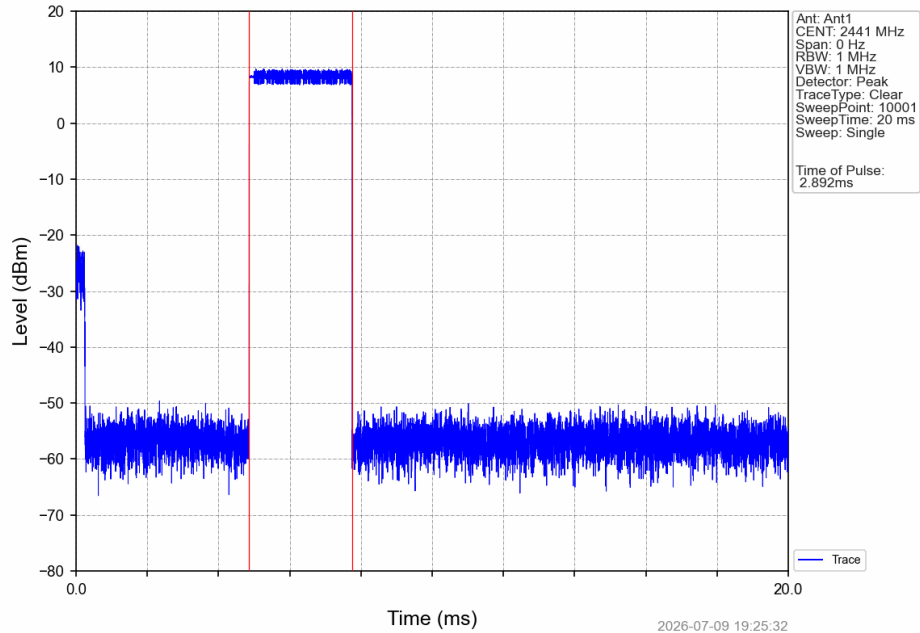
Test Report No.: RF260703B005

Test Graph

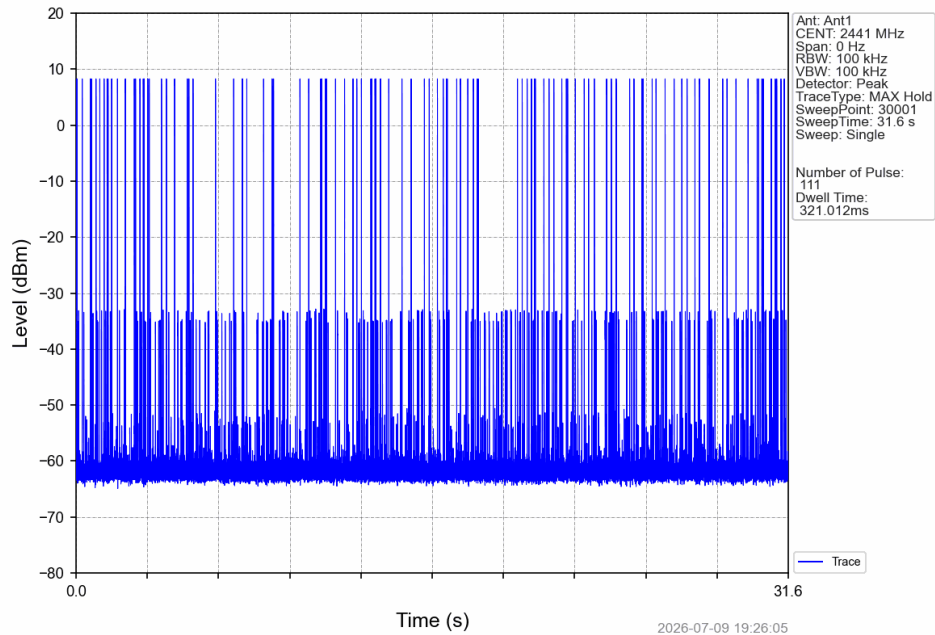


Test Report No.: RF260703B005

Pi/4DQPSK_2DH5_HOPP_Ant7_NTNV

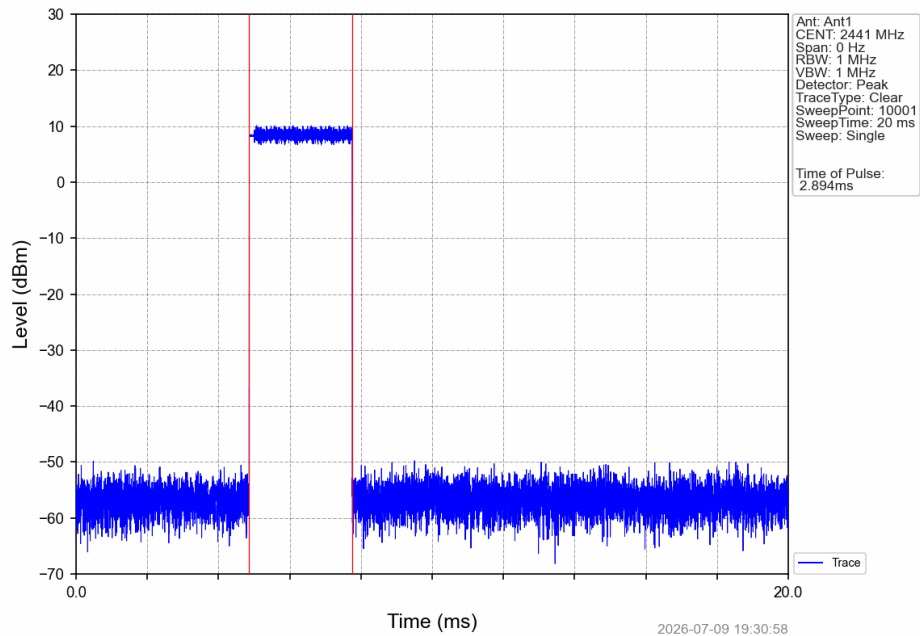


Pi/4DQPSK_2DH5_HOPP_Ant7_NTNV

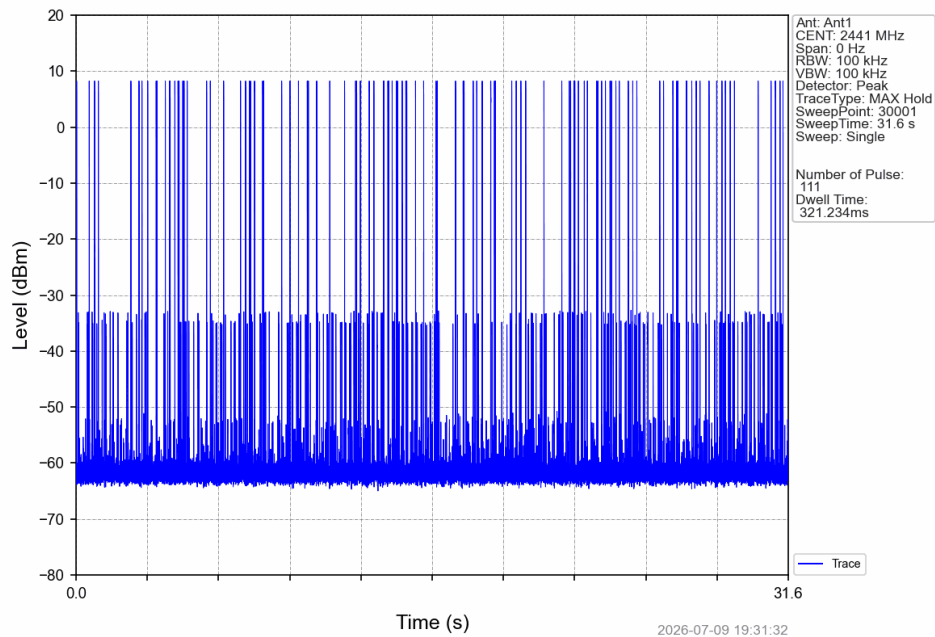


Test Report No.: RF260703B005

8DPSK_3DH5_HOPP_Ant7_NTNV



8DPSK_3DH5_HOPP_Ant7_NTNV



6. OUT OF BAND MEASUREMENT

6.1 TEST RESULT

6.1.1 REF

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	10.23
		2441	DH5	1	10.58
		2480	DH5	1	9.32
Pi/4DQPSK	SISO	2402	2DH5	1	8.08
		2441	2DH5	1	8.37
		2480	2DH5	1	7.14
8DPSK	SISO	2402	3DH5	1	8.11
		2441	3DH5	1	8.39
		2480	3DH5	1	7.16

Test Report No.: RF260703B005

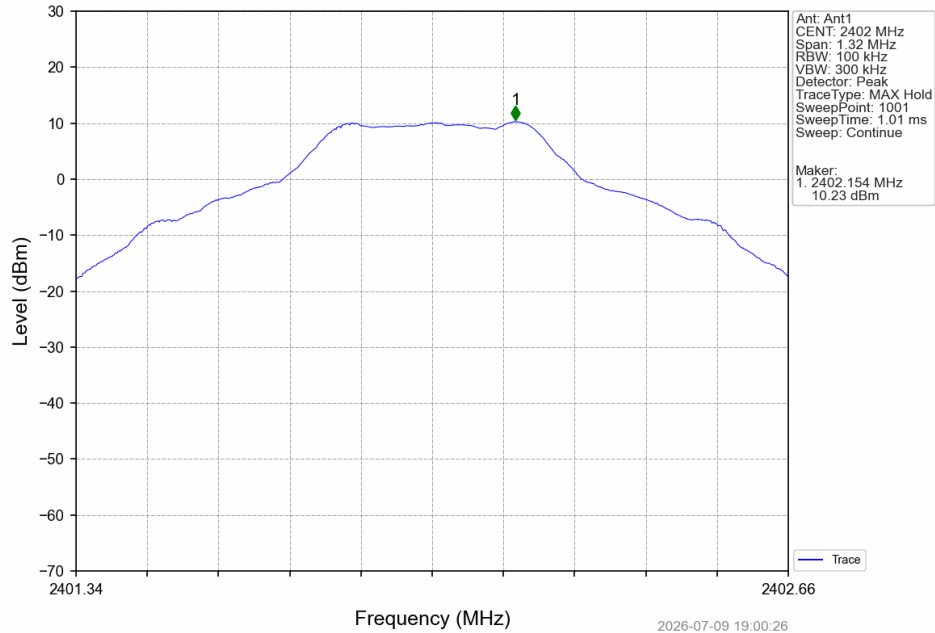
6.1.2 CSE

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	10.58	-9.42	Pass
		2441	DH5	1	10.58	-9.42	Pass
		2480	DH5	1	10.58	-9.42	Pass
		HOPP	DH5	1	10.58	-9.42	Pass
					10.58	-9.42	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	8.37	-11.63	Pass
		2441	2DH5	1	8.37	-11.63	Pass
		2480	2DH5	1	8.37	-11.63	Pass
		HOPP	2DH5	1	8.37	-11.63	Pass
					8.37	-11.63	Pass
8DPSK	SISO	2402	3DH5	1	8.39	-11.61	Pass
		2441	3DH5	1	8.39	-11.61	Pass
		2480	3DH5	1	8.39	-11.61	Pass
		HOPP	3DH5	1	8.39	-11.61	Pass
					8.39	-11.61	Pass

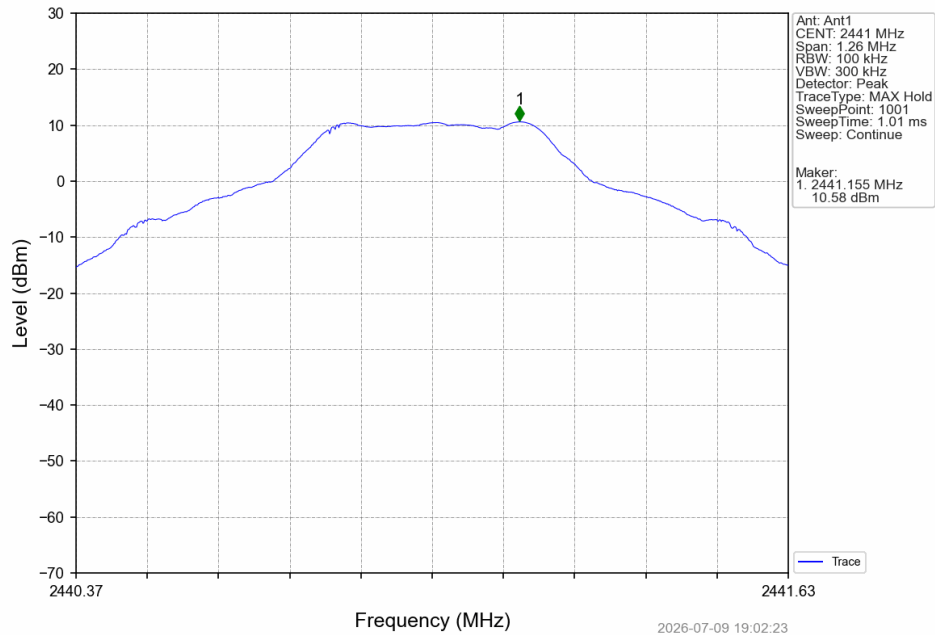
Test Report No.: RF260703B005

Test Graph

GFSK_DH5_LCH_2402MHz_Ant7_NTNV

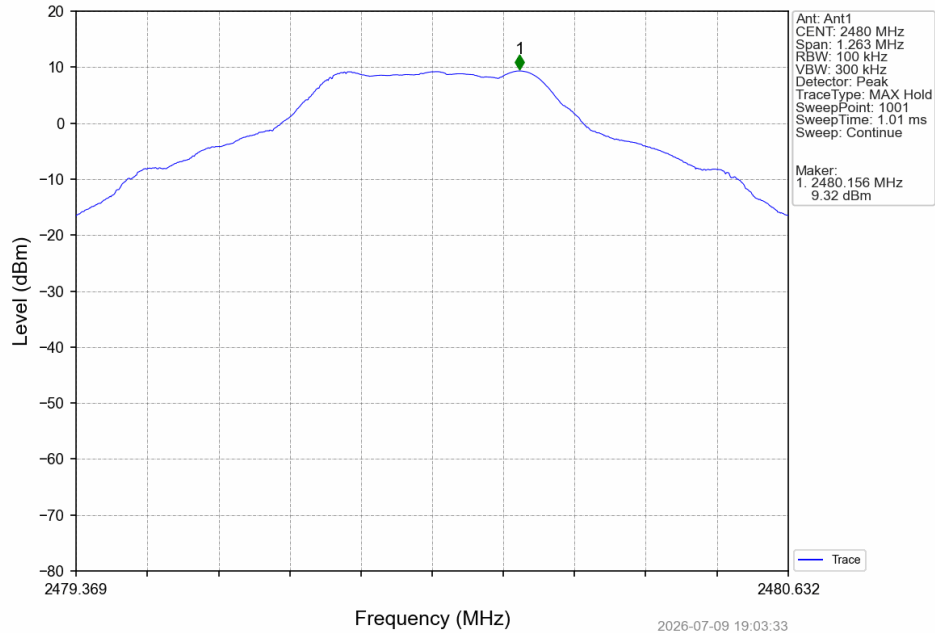


GFSK_DH5_MCH_2441MHz_Ant7_NTNV

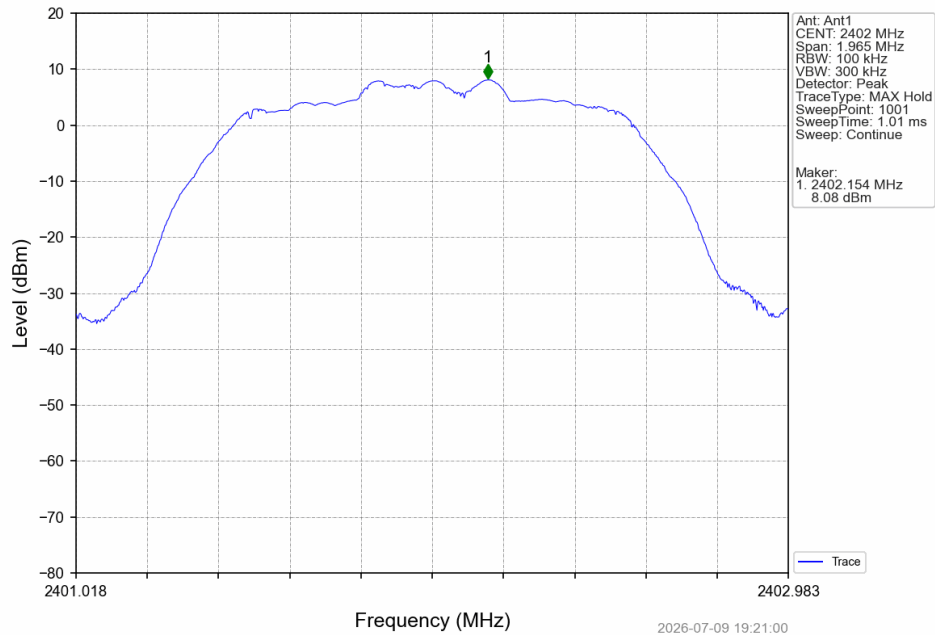


Test Report No.: RF260703B005

GFSK_DH5_HCH_2480MHz_Ant7_NTNV

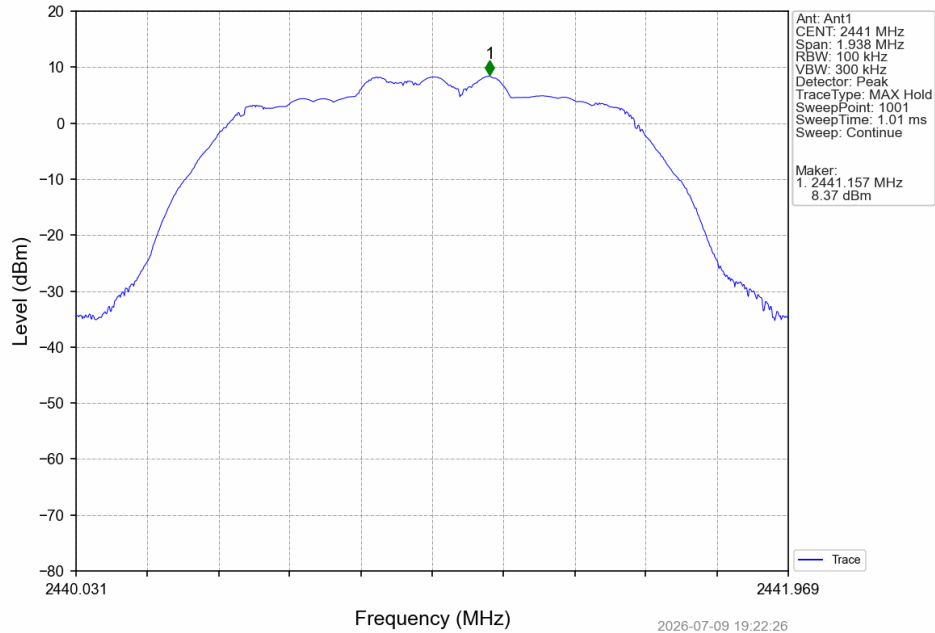


Pi/4DQPSK_2DH5_LCH_2402MHz_Ant7_NTNV

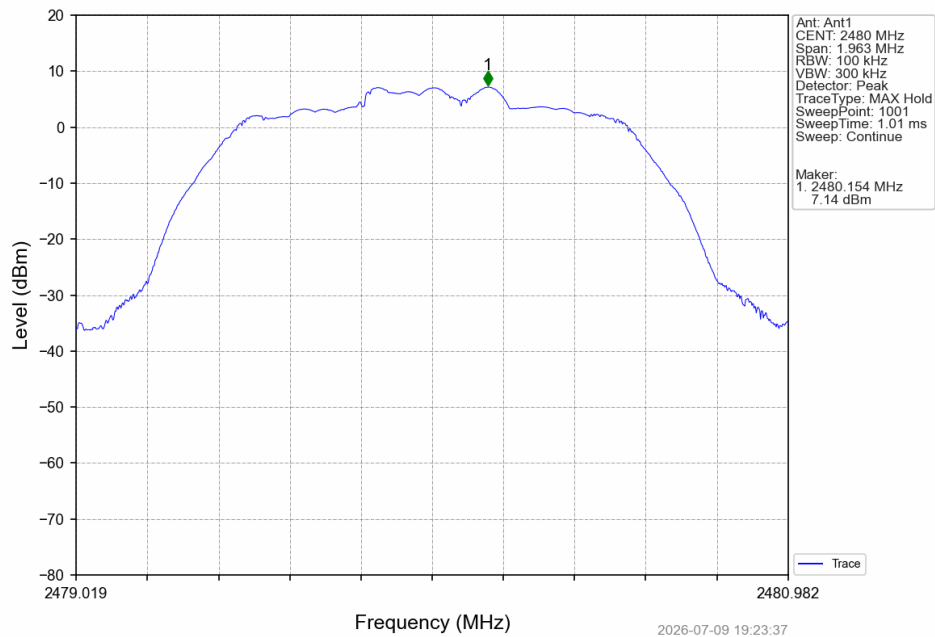


Test Report No.: RF260703B005

Pi/4DQPSK_2DH5_MCH_2441MHz_Ant7_NTNV

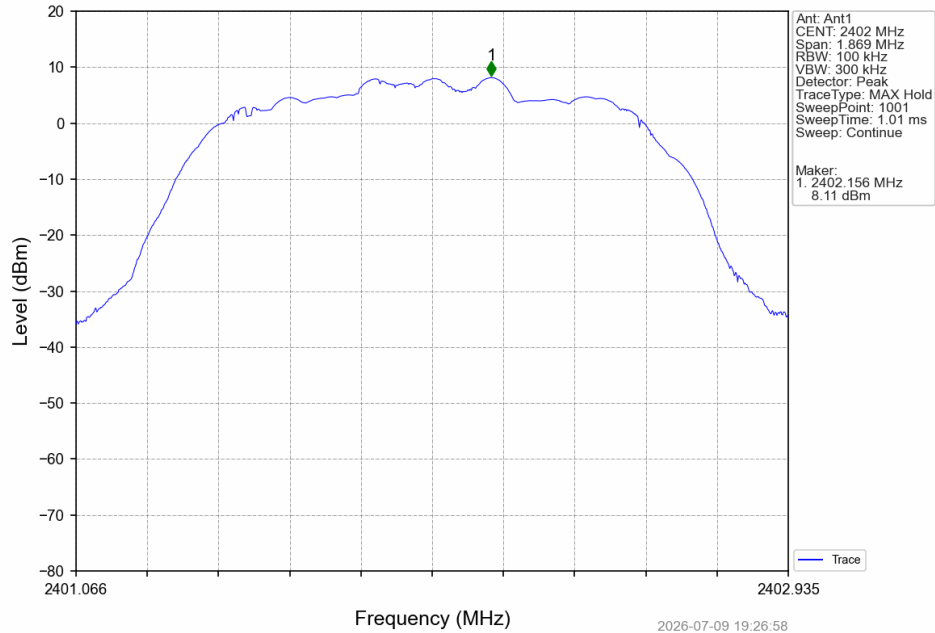


Pi/4DQPSK_2DH5_HCH_2480MHz_Ant7_NTNV

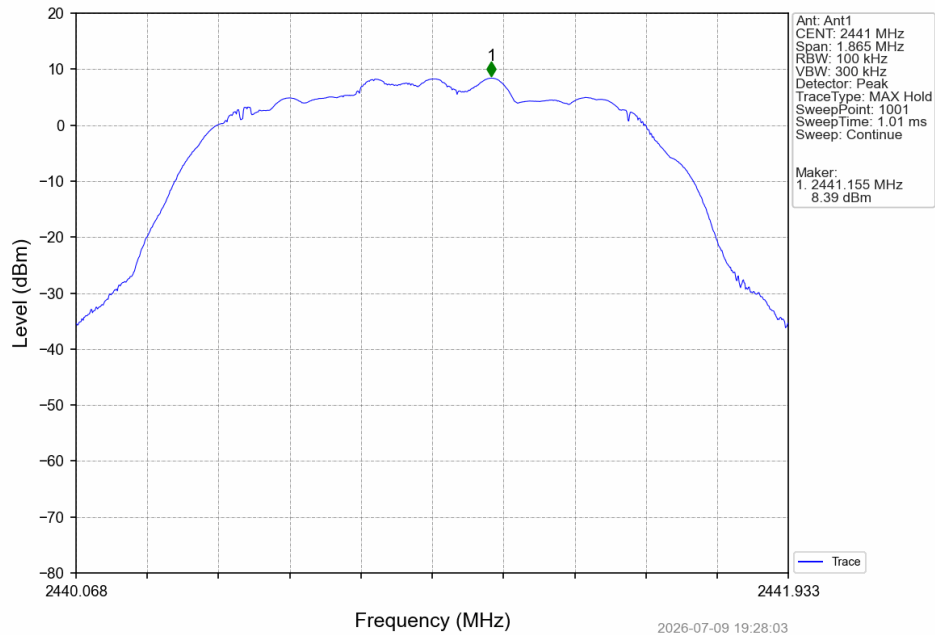


Test Report No.: RF260703B005

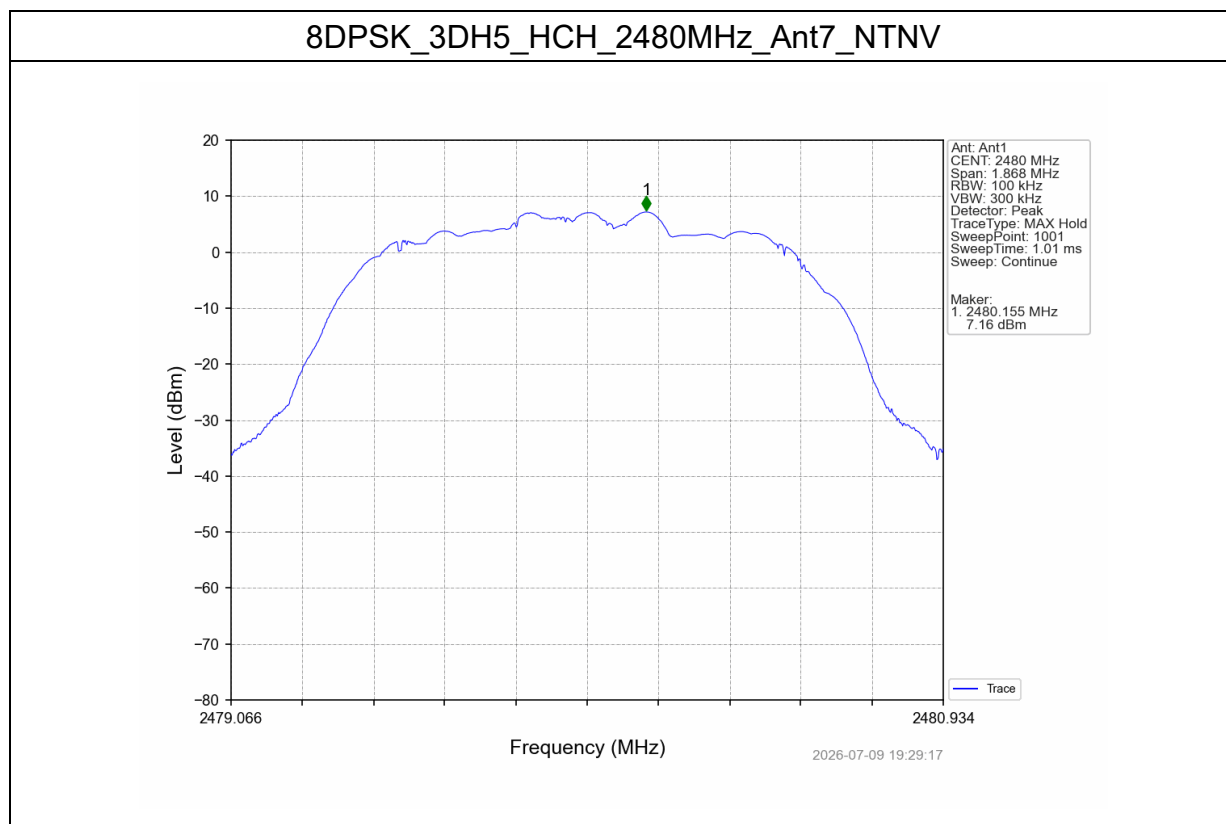
8DPSK_3DH5_LCH_2402MHz_Ant7_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant7_NTNV



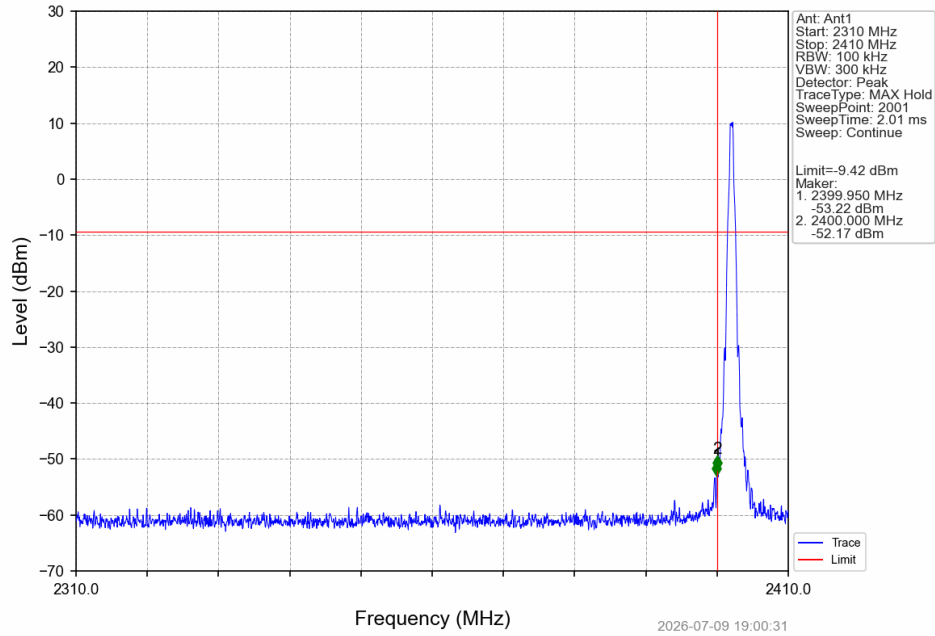
Test Report No.: RF260703B005



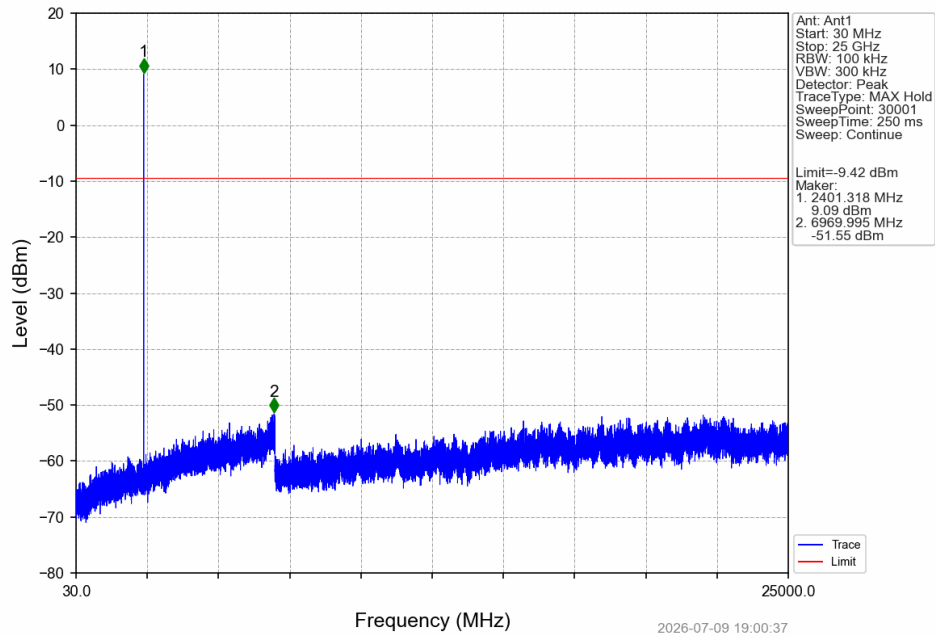
Test Report No.: RF260703B005

CSE

GFSK_DH5_LCH_2402MHz_Ant7_NTNV

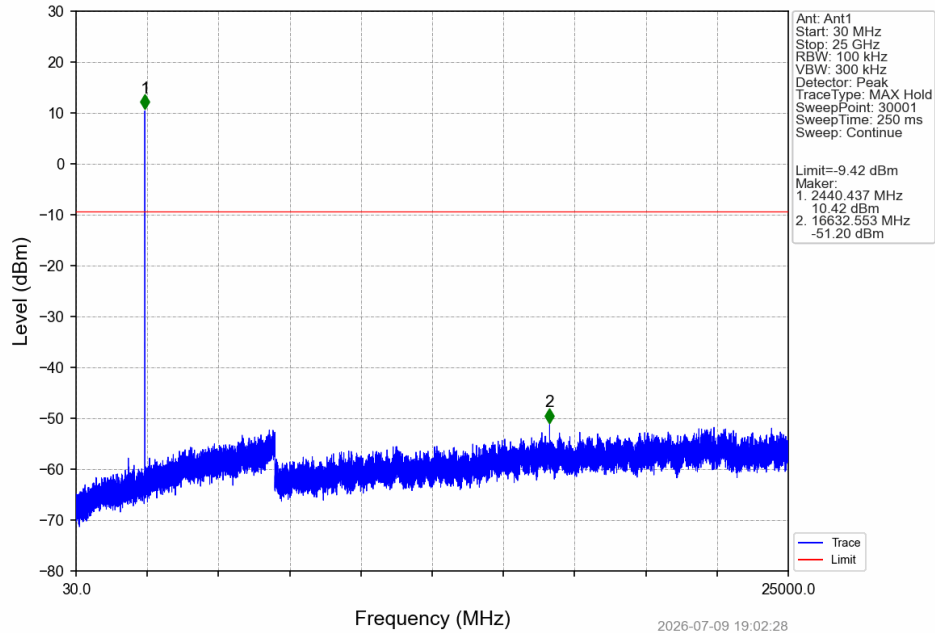


GFSK_DH5_LCH_2402MHz_Ant7_NTNV

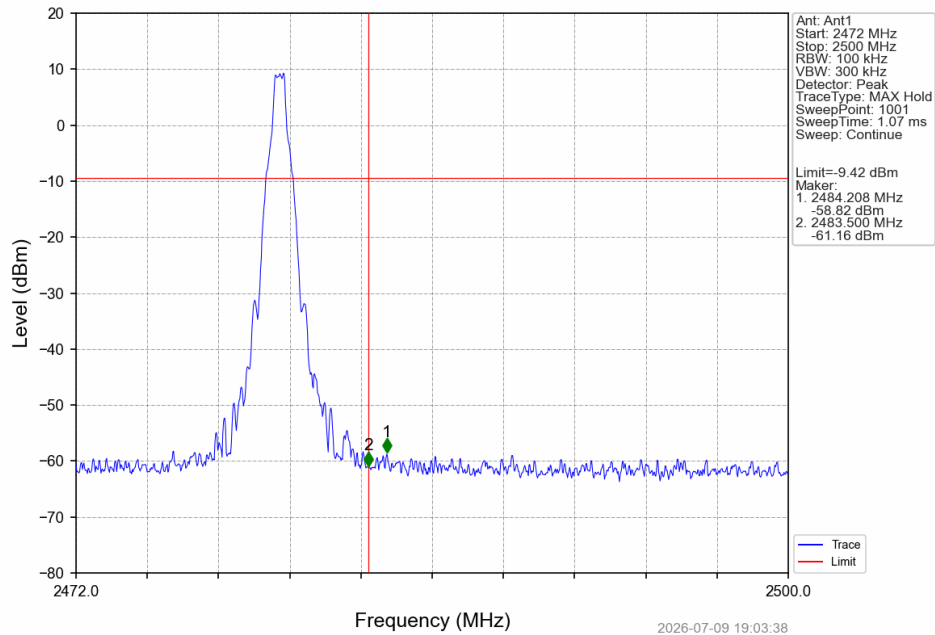


Test Report No.: RF260703B005

GFSK_DH5_MCH_2441MHz_Ant7_NTNV

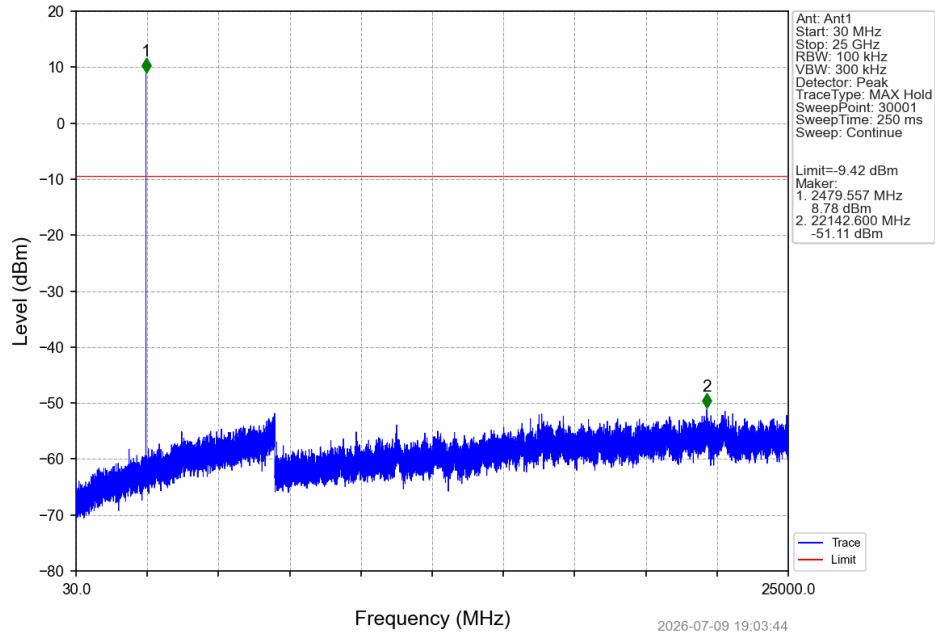


GFSK_DH5_HCH_2480MHz_Ant7_NTNV

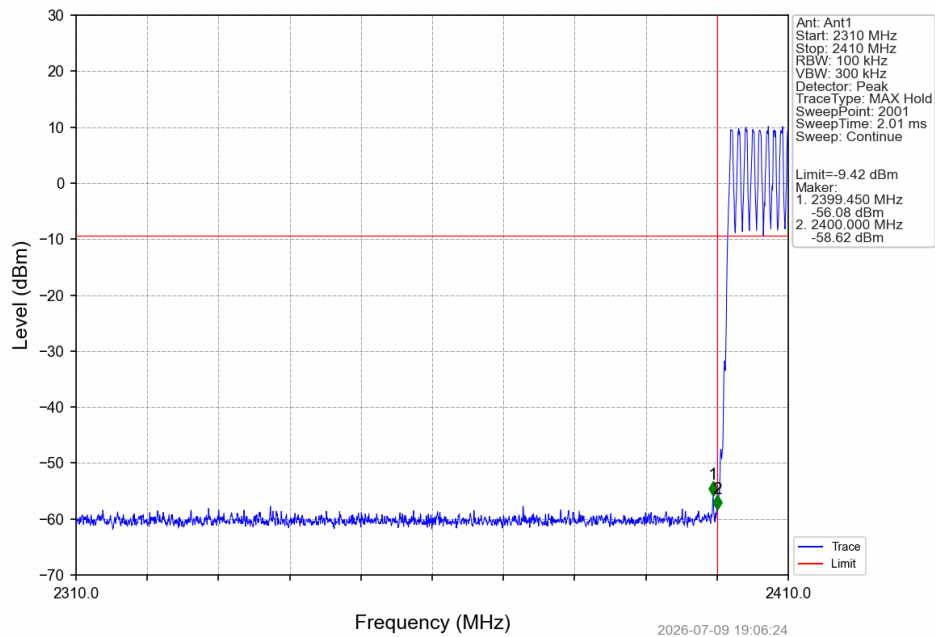


Test Report No.: RF260703B005

GFSK_DH5_HCH_2480MHz_Ant7_NTNV

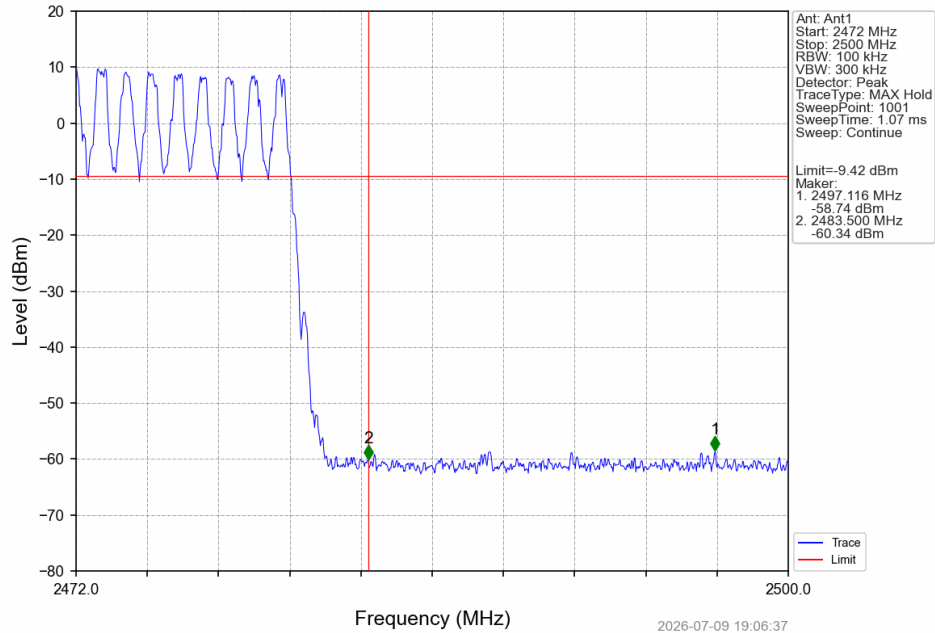


GFSK_DH5_HOPP_2480MHz_Ant7_NTNV

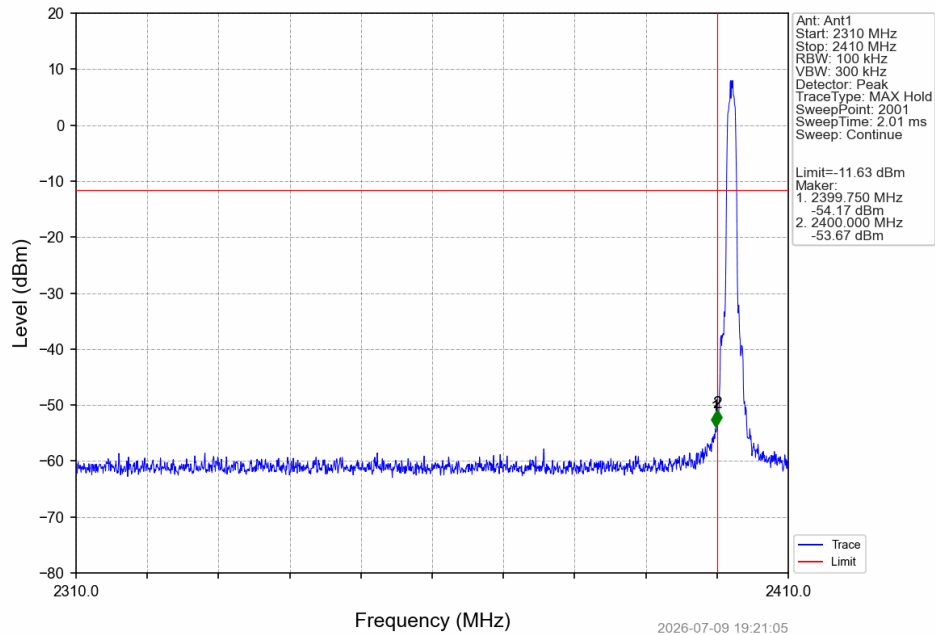


Test Report No.: RF260703B005

GFSK_DH5_HOPP_Ant7_NTNV

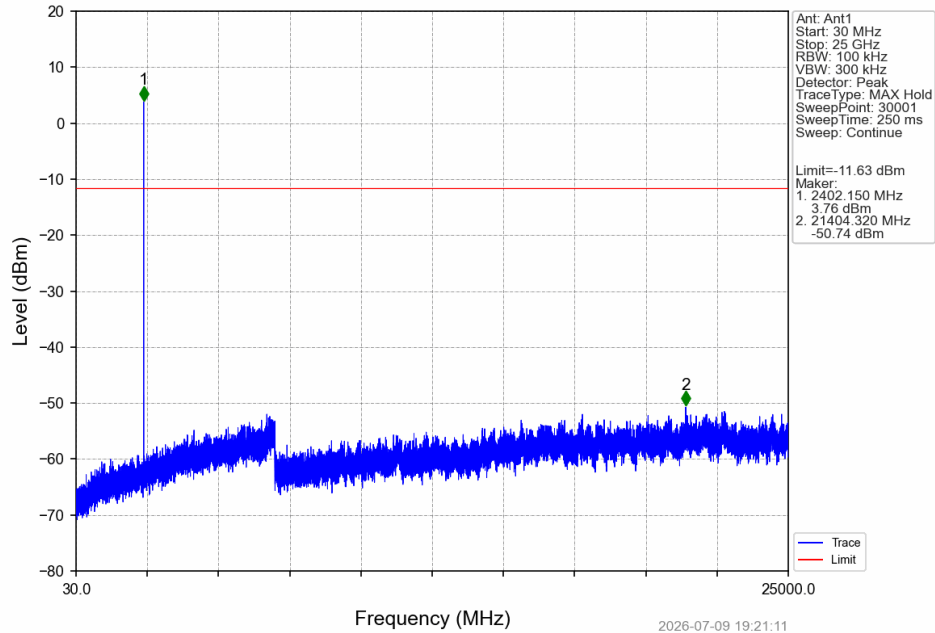


Pi/4DQPSK_2DH5_LCH_2402MHz_Ant7_NTNV

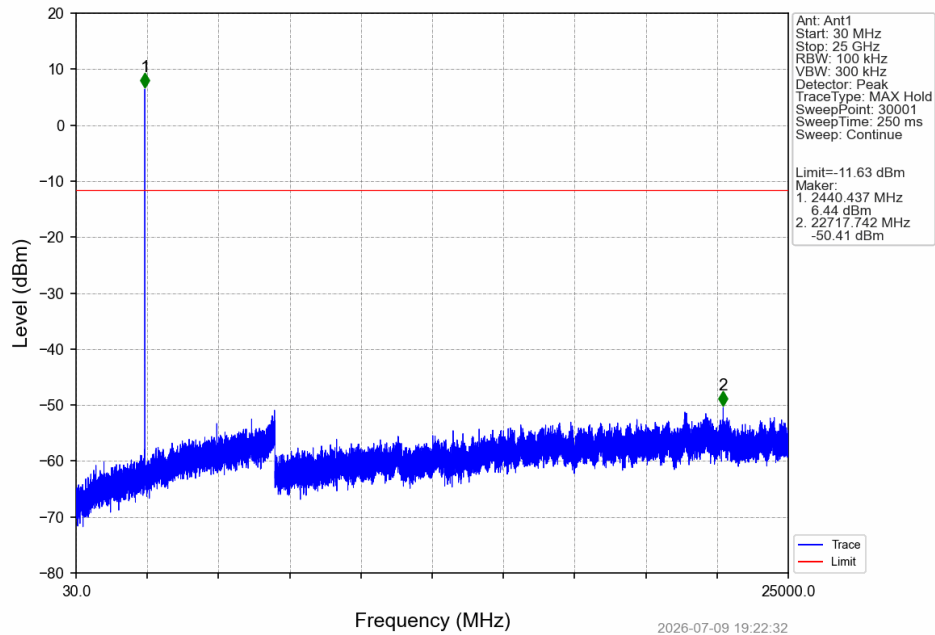


Test Report No.: RF260703B005

Pi/4DQPSK_2DH5_LCH_2402MHz_Ant7_NTNV

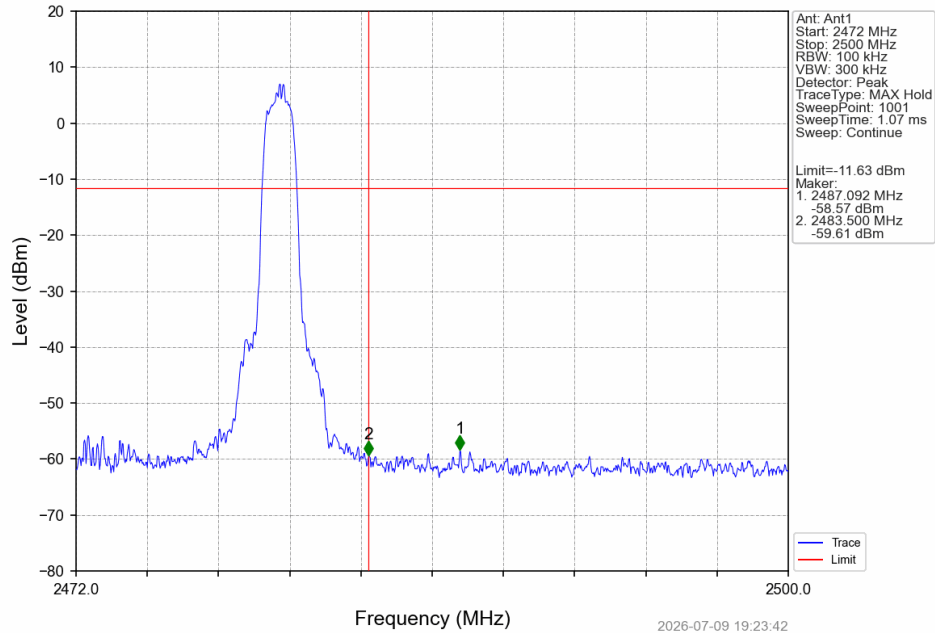


Pi/4DQPSK_2DH5_MCH_2441MHz_Ant7_NTNV

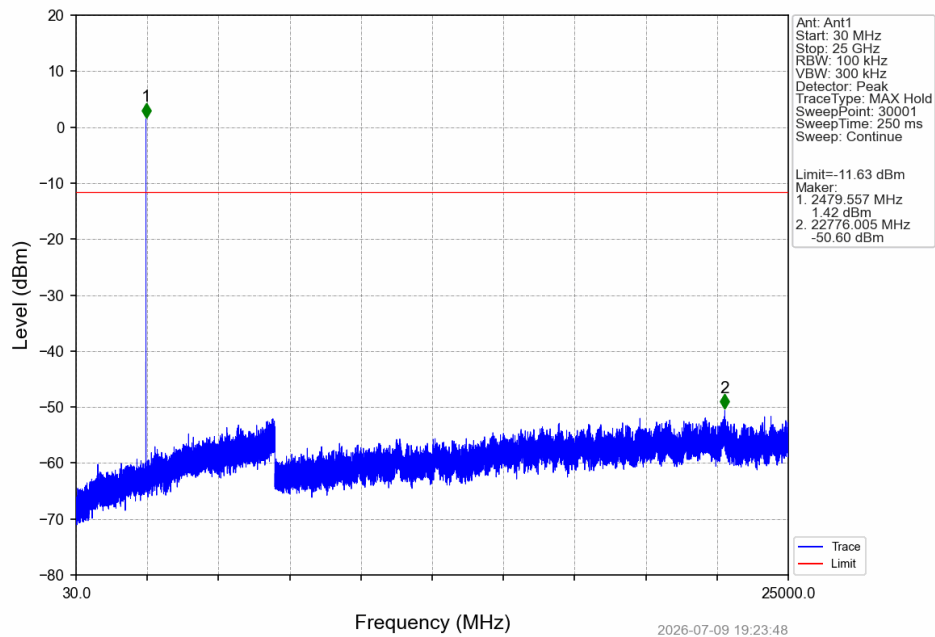


Test Report No.: RF260703B005

Pi/4DQPSK_2DH5_HCH_2480MHz_Ant7_NTNV

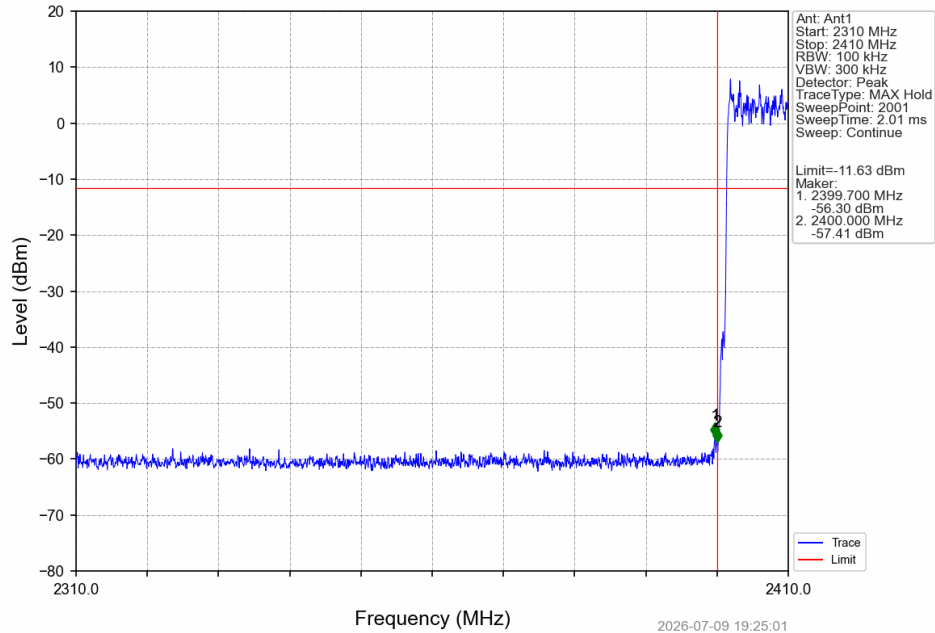


Pi/4DQPSK_2DH5_HCH_2480MHz_Ant7_NTNV

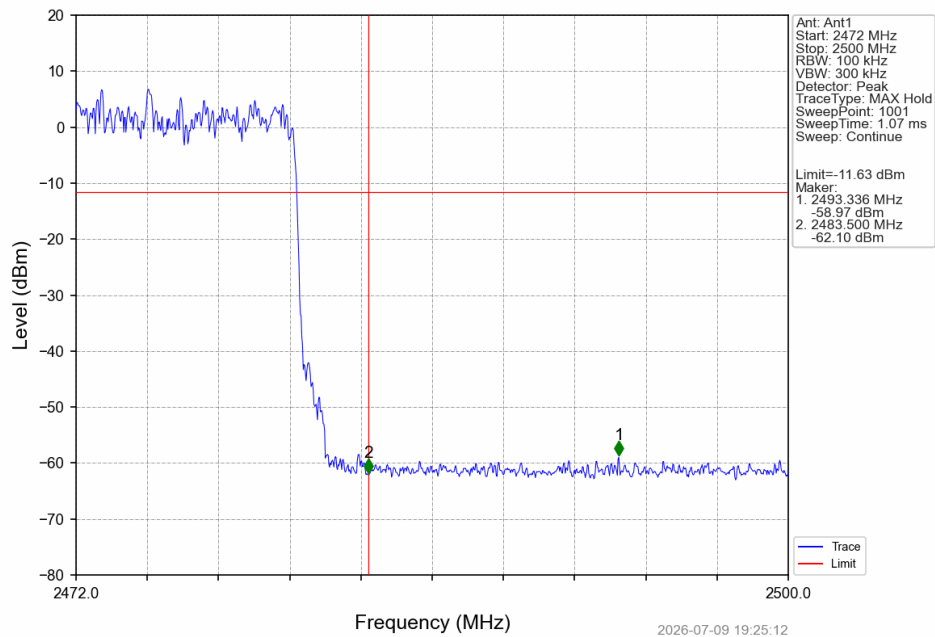


Test Report No.: RF260703B005

Pi/4DQPSK_2DH5_HOPP_Ant7_NTNV

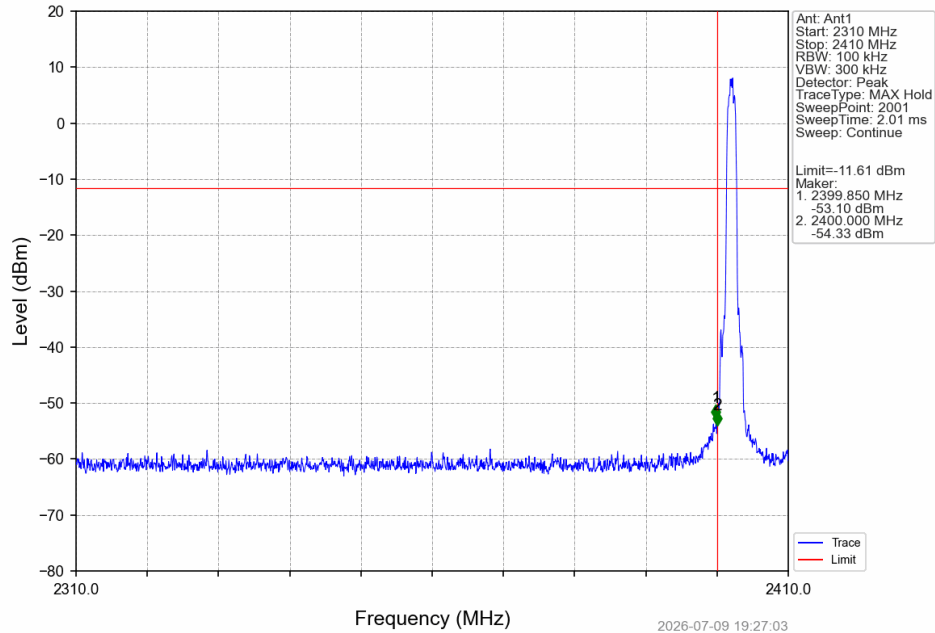


Pi/4DQPSK_2DH5_HOPP_Ant7_NTNV

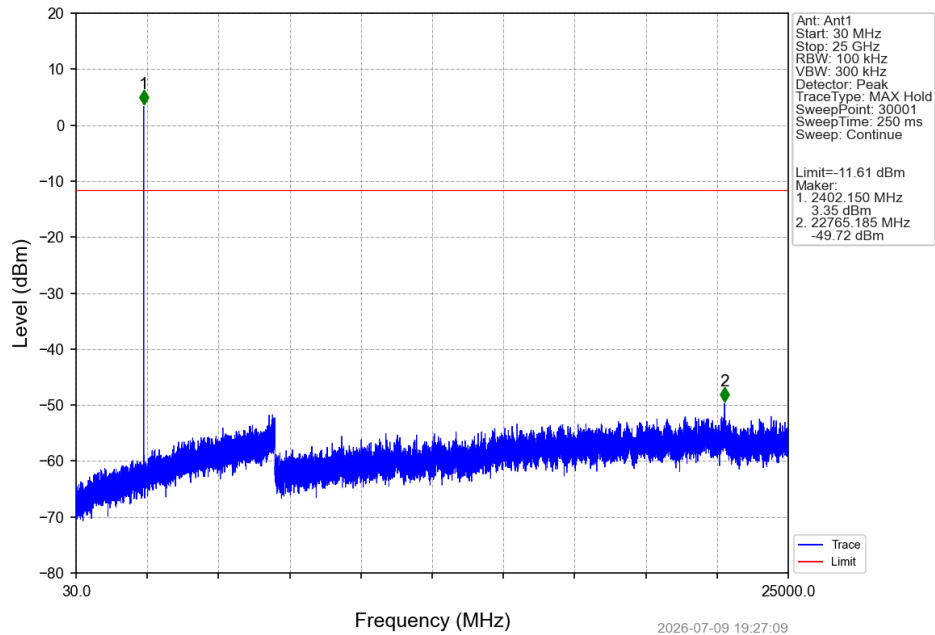


Test Report No.: RF260703B005

8DPSK_3DH5_LCH_2402MHz_Ant7_NTNV

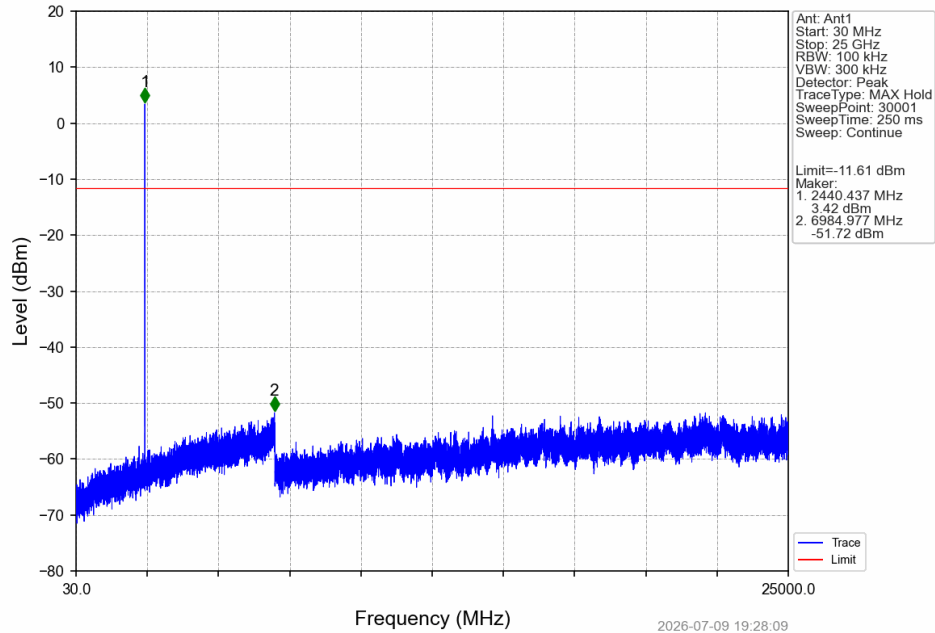


8DPSK_3DH5_LCH_2402MHz_Ant7_NTNV

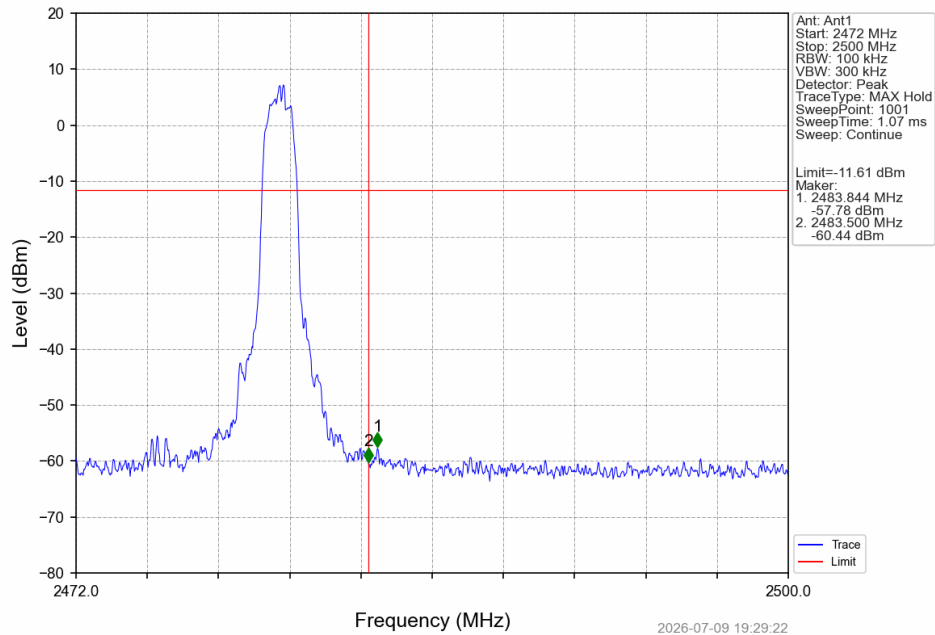


Test Report No.: RF260703B005

8DPSK_3DH5_MCH_2441MHz_Ant7_NTNV

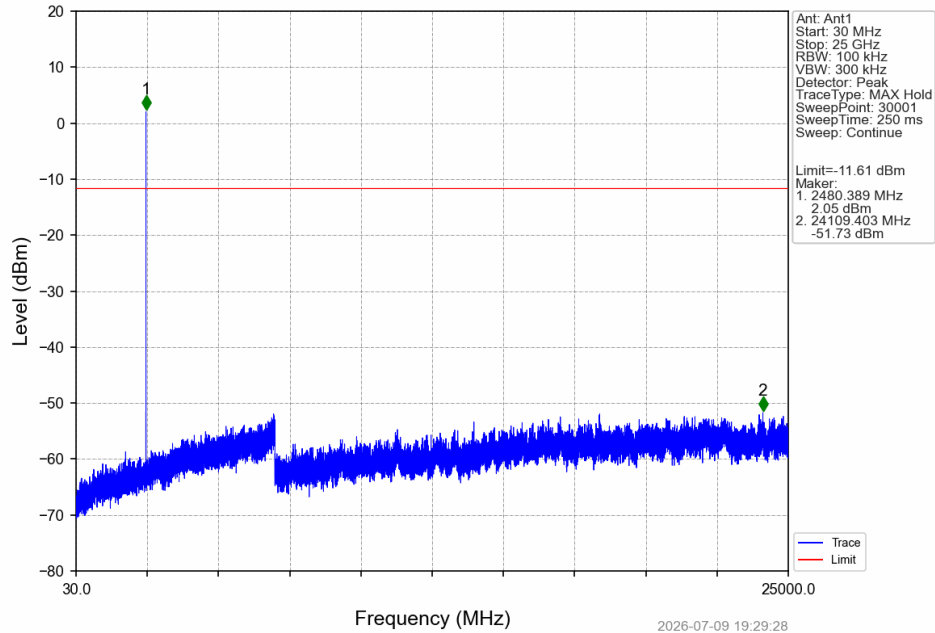


8DPSK_3DH5_HCH_2480MHz_Ant7_NTNV

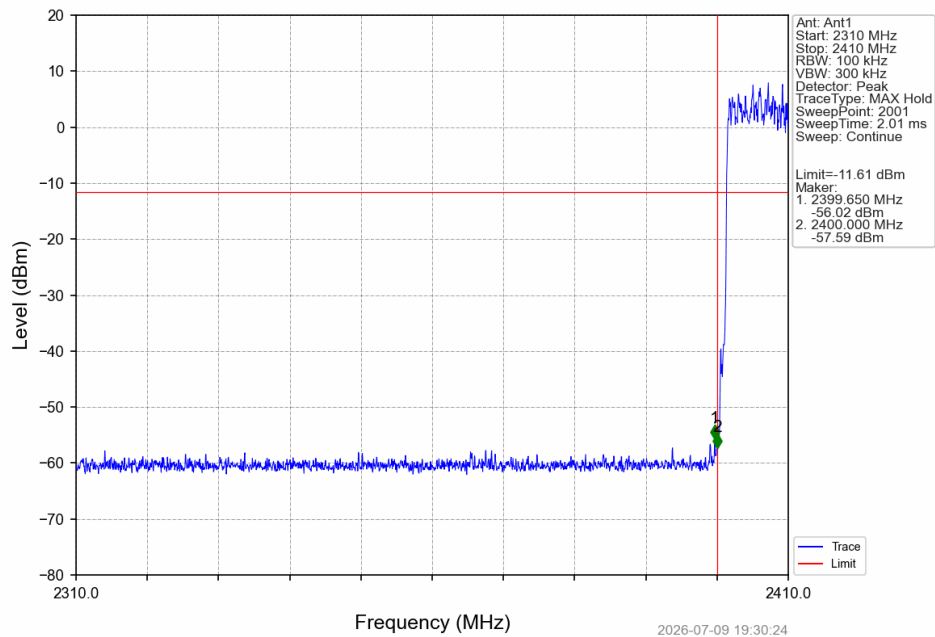


Test Report No.: RF260703B005

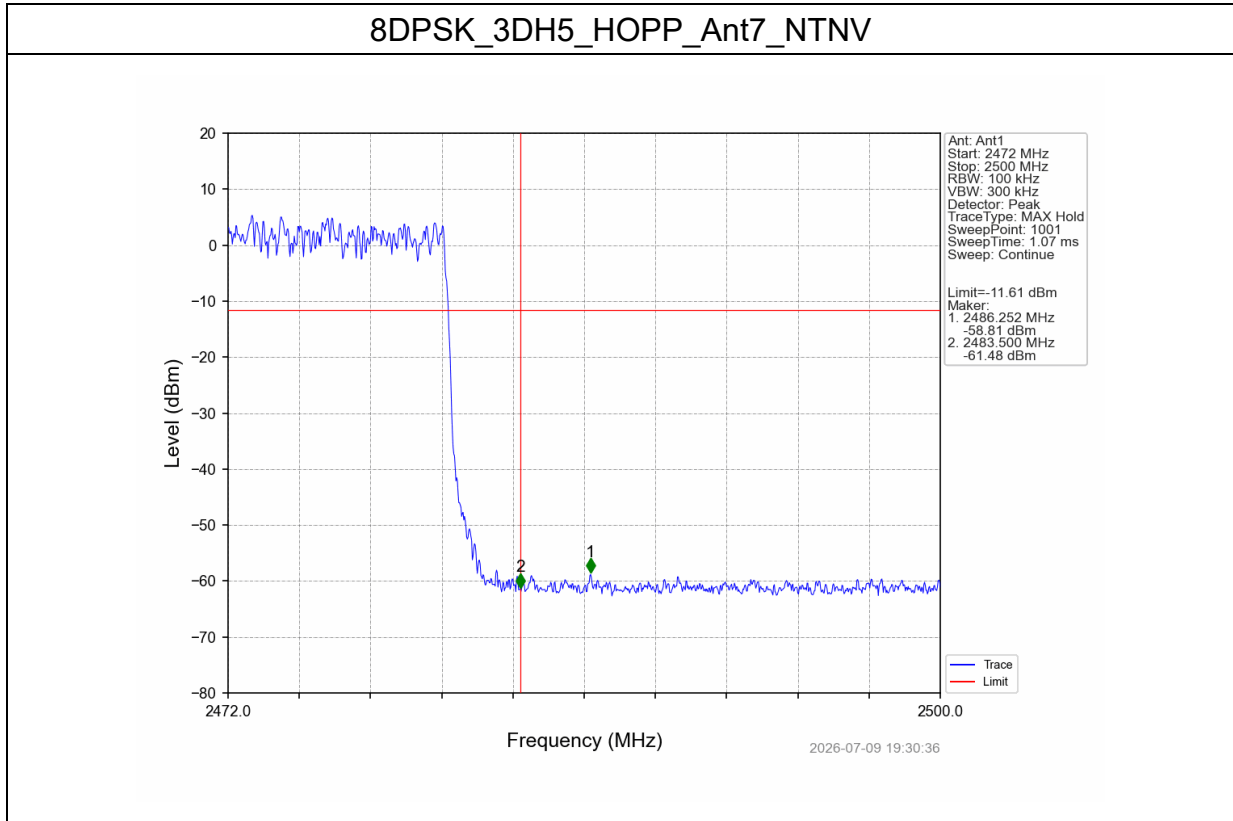
8DPSK_3DH5_HCH_2480MHz_Ant7_NTNV



8DPSK_3DH5_HOPP_Ant7_NTNV



Test Report No.: RF260703B005



---END---