



FCC TEST REPORT

FCC ID:2BLUW-RLM01

Report Number..... : ZKT-260410L0620E-1

Date of Test..... May.27, 2026 ~ May.30, 2026

Date of issue..... : May.30, 2026

Total number of pages 68

Test Result : PASS

Testing Laboratory..... : **Shenzhen ZKT Technology Co., Ltd.**

Address 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name : **FJ Dynamics Technology (Fujian) Co., Ltd.**

Address Floor 23A, Unit 2, Huajian Building, No. 12, 16, and 18, East Keji Road, Shangjie Town, Minhou County, Fuzhou City, Fujian Province, China

Manufacturer's name : **FJ Dynamics Technology (Fujian) Co., Ltd.**

Address Floor 23A, Unit 2, Huajian Building, No. 12, 16, and 18, East Keji Road, Shangjie T2wn, Minhou County, Fuzhou City, Fujian Province, China

Test specification:

Standard FCC CFR Title 47 Part 15 Subpart C Section 15.247
ANSI C63.10-2020+Cor 1-2023

Test procedure /

Non-standard test method : N/A

Test Report Form No. : TRF-EL-112_V0

Test Report Form(s) Originator : ZKT Testing

Master TRF : Dated: 2020-01-06

This device described above has been tested by ZKT, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

This report shall not be reproduced except in full, without the written approval of ZKT, this document may be altered or revised by ZKT, personal only, and shall be noted in the revision of the document.

Product name..... : **Robotic Line Marker**

Trademark 

Model/Type reference : RLM01

Ratings..... : DC 48V



Testing procedure and testing location:

Testing Laboratory: Shenzhen ZKT Technology Co., Ltd.

Address.....: 1/F, No. 101, Building B, No. 6, Tangwei Community
Industrial Avenue, Fuhai Street, Bao'an District,
Shenzhen, China

Tested by (name + signature): Jim Liu

Reviewer (name + signature).....: Jackson.Fang

Approved (name + signature): Lake Xie





Table of Contents

	Page
1. VERSION	5
2. TEST SUMMARY	6
2.1 TEST FACILITY	7
2.2 MEASUREMENT UNCERTAINTY	7
3.GENERAL INFORMATION	8
3.1 GENERAL DESCRIPTION OF EUT	8
3.2 Test Setup Configuration	10
3.3 Support Equipment	10
4. EMC EMISSION TEST	13
4.1 Conducted emissions	13
4.1.1 POWER LINE CONDUCTED EMISSION Limits	13
4.1.2 TEST PROCEDURE	13
4.1.3 DEVIATION FROM TEST STANDARD	13
4.1.4 TEST SETUP	14
4.1.5 EUT OPERATING CONDITIONS	14
4.1.6 Test Result	15
4.2 Radiated emissions	17
4.2.1 Radiated Emission Limits	17
4.2.2 TEST PROCEDURE	17
4.2.3 DEVIATION FROM TEST STANDARD	18
4.2.4 TEST SETUP	18
4.2.5 EUT OPERATING CONDITIONS	19
4.2.6 TEST RESULTS	19
5. RADIATED BAND EMISSION MEASUREMENT	28
5.1 Test Requirement:	28
5.2 TEST PROCEDURE	28
5.3 DEVIATION FROM TEST STANDARD	29
5.4 TEST SETUP	29
5.5 EUT OPERATING CONDITIONS	29
5.6 TEST RESULT	30
6. CONDUCTED BAND EDGE AND SPURIOUS EMISSION	34



6.1 Limit.....	34
6.2 Test Setup.....	34
6.3 Test procedure.....	34
6.4 DEVIATION FROM STANDARD	34
7. 20DB BANDWIDTH	49
7.1 Test Setup.....	49
7.2 Limit.....	49
7.3 Test procedure.....	49
7.4 DEVIATION FROM STANDARD	49
7.5 Test Result.....	50
8. MAXIMUM PEAK OUTPUT POWER	54
8.1 Block Diagram Of Test Setup.....	54
8.2 Limit.....	54
8.3 Test procedure.....	54
8.4 DEVIATION FROM STANDARD	54
8.5 Test Result.....	55
9.1 Test Setup.....	56
9.2 Test procedure.....	56
9.3 DEVIATION FROM STANDARD	56
9.4 Test Result.....	57
10.1 Test Setup	59
10.2 Test procedure	59
10.3 DEVIATION FROM STANDARD	59
10.4 Test Result	60
11. DWELL TIME	62
11.1 Test Setup	62
11.2 Test procedure	62
11.3 DEVIATION FROM STANDARD	62
11.4 Test Result	63
12. ANTENNA REQUIREMENT	67
13. TEST SETUP PHOTO	68
14. EUT CONSTRUCTIONAL DETAILS	68



1. VERSION

Report No.	Version	Description	Approved
ZKT-260410L0620E-1	Rev.01	Initial issue of report	May.30, 2026



2. TEST SUMMARY

Test procedures according to the technical standards:

FCC Part15 (15.247), Subpart C			
Standard Section	Test Item	Result	Remark
15.203/15.247 (c)	Antenna Requirement	PASS	
15.207	AC Power Line Conducted Emission	PASS	
15.247 (b)(1)	Conducted Peak Output Power	PASS	
15.247 (a)(1)	20dB Occupied Bandwidth	PASS	
15.247 (a)(1)	Carrier Frequencies Separation	PASS	
15.247 (a)(1)(iii)	Hopping Channel Number	PASS	
15.247 (a)(1)(iii)	Dwell Time	PASS	
15.205/15.209	Radiated Emission and Restricted Band	PASS	
15.247(d)	Conducted Unwanted emissions and Band Edge	PASS	

NOTE:

(1)" N/A" denotes test is not applicable in this Test Report



2.1 TEST FACILITY

Shenzhen ZKT Technology Co., Ltd.
Add.: 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street,
Bao'an District, Shenzhen, China

FCC Test Firm Registration Number: 927491
Designation Number: CN1431
IC Registered No.: 27033
CAB identifier: CN0110

2.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	3m camber Radiated spurious emission(9KHz-30MHz)	U=4.5dB
2	3m camber Radiated spurious emission(30MHz-1GHz)	U=4.8dB
3	3m chamber Radiated spurious emission(1GHz-6GHz)	U=4.9dB
4	3m chamber Radiated spurious emission(6GHz-40GHz)	U=5.0dB
5	Conducted disturbance	U=3.2dB
6	RF Band Edge	U=1.68dB
7	RF power conducted	U=1.86dB
8	RF conducted Spurious Emission	U=2.2dB
9	RF Occupied Bandwidth	U=1.8MHz
10	RF Power Spectral Density	U=1.75dB
11	humidity uncertainty	U=5.3%
12	Temperature uncertainty	U=0.59°C



3.GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Product Name:	Robotic Line Marker
Model No.:	RLM01
Model Different.:	N/A
Serial No.:	N/A
Sample ID	ZKT-260410L0620
Sample(s) Status:	Engineer sample
Channel numbers:	79
Operation Frequency:	2402MHz ~ 2480MHz
Modulation technology:	GFSK, $\pi/4$ -DQPSK, 8-DPSK
Antenna Type:	FPC Antenna, BT uses Ant 1, WiFi uses Ant 2
Antenna gain:	Max 2.48dBi
Power supply:	48V Via Battery Model: BP050014 50.4VDC,10Ah,504Wh
SWITCHING POWER ADAPTER:	Input:100-240V~,3.2A(Max.),50/60Hz Output:58.8V,4.2A



Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2402MHz	21	2422MHz	41	2442MHz	61	2462MHz
2	2403MHz	22	2423MHz	42	2443MHz	62	2463MHz
3	2404MHz	23	2424MHz	43	2444MHz	63	2464MHz
4	2405MHz	24	2425MHz	44	2445MHz	64	2465MHz
5	2406MHz	25	2426MHz	45	2446MHz	65	2466MHz
6	2407MHz	26	2427MHz	46	2447MHz	66	2467MHz
7	2408MHz	27	2428MHz	47	2448MHz	67	2468MHz
8	2409MHz	28	2429MHz	48	2449MHz	68	2469MHz
9	2410MHz	29	2430MHz	49	2450MHz	69	2470MHz
10	2411MHz	30	2431MHz	50	2451MHz	70	2471MHz
11	2412MHz	31	2432MHz	51	2452MHz	71	2472MHz
12	2413MHz	32	2433MHz	52	2453MHz	72	2473MHz
13	2414MHz	33	2434MHz	53	2454MHz	73	2474MHz
14	2415MHz	34	2435MHz	54	2455MHz	74	2475MHz
15	2416MHz	35	2436MHz	55	2456MHz	75	2476MHz
16	2417MHz	36	2437MHz	56	2457MHz	76	2477MHz
17	2418MHz	37	2438MHz	57	2458MHz	77	2478MHz
18	2419MHz	38	2439MHz	58	2459MHz	78	2479MHz
19	2420MHz	39	2440MHz	59	2460MHz	79	2480MHz
20	2421MHz	40	2441MHz	60	2461MHz		

Note:

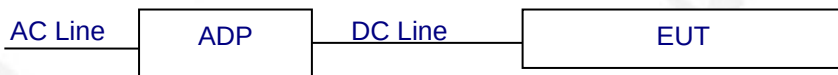
In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Test channel	Frequency
The lowest channel	2402MHz
The middle channel	2441MHz
The Highest channel	2480MHz



3.2 Test Setup Configuration

Conducted Emission



Radiated Emission



Conducted Spurious



3.3 Support Equipment

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.

Item	Equipment	Brand	Model/Type No.	Series No.	Note
A-1	Adapter	Li-ion	LBC034588042	N/A	

Item	Shielded Type	Ferrite Core	Length	Note
1	AC Cable	N/A	1.5m	
2	DC Cable	N/A	0.8m	

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.

3.4 Test Mode

Transmitting mode	Keep the EUT in continuously transmitting mode.
Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.	
Test Software	FCC_assist_1.0.2.2
Power level setup	Default



3.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Conduction Emissions Test

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Last calibration	Calibrated until
1	LISN	R&S	ENV216	101471	N/A	Sep. 23, 2024	Sep. 22, 2025
2	LISN	CYBERTEK	EM5040A	E1850400149	N/A	Sep. 19, 2024	Sep. 18, 2025
3	Test Cable	N/A	C-01	N/A	N/A	May. 22, 2025	May. 21, 2026
4	EMI Test Receiver	R&S	ESCI3	101393	4.42 SP3	Oct. 24, 2024	Oct. 23, 2025
5	EMC Software	Frad	EZ-EMC	Ver.EMC-CON 3A1.1	N/A	\	\

Radiation Emissions & Radiation Spurious Emissions Test

Item	Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Last calibration	Calibrated until
1	Spectrum Analyzer (9kHz-26.5GHz)	KEYSIGHT	N9020A	MY55370835	A.17.05	Sep. 20, 2024	Sep. 19, 2025
2	Spectrum Analyzer (10kHz-39.9GHz)	R&S	FSV40-N	100363	1.71 SP2	Sep. 20, 2024	Sep. 19, 2025
3	EMI Test Receiver (9kHz-7GHz)	R&S	ESCI7	100969	4.32	Oct. 24, 2024	Oct. 23, 2025
4	Bilog Antenna (30MHz-1500MHz)	Schwarzbeck	VULB9168	00877	N/A	Sep. 20, 2024	Sep. 19, 2025
5	Horn Antenna (1GHz-18GHz)	Agilent	AH-118	071145	N/A	Sep. 20, 2024	Sep. 19, 2025
6	Horn Antenna (15GHz-40GHz)	A.H.System	SAS-574	588	N/A	Sep. 30, 2024	Sep. 29, 2025
7	Loop Antenna	TESEQ	HLA6121	58357	N/A	Sep. 20, 2024	Sep. 19, 2025
8	Amplifier (30-1000MHz)	EM Electronics	EM330 Amplifier	60747	N/A	Sep. 19, 2024	Sep. 18, 2025
9	Amplifier (1GHz-26.5GHz)	HuiPu	8449B	3008A00315	N/A	Sep. 19, 2024	Sep. 18, 2025
10	Amplifier (500MHz-40GHz)	QuanJuDa	DLE-161	097	N/A	Oct. 24, 2024	Oct. 23, 2025
11	Test Cable	N/A	R-01	N/A	N/A	May. 25, 2025	May. 24, 2026
12	Test Cable	N/A	R-02	N/A	N/A	May. 25, 2025	May. 24, 2026
13	Test Cable	N/A	R-03	N/A	N/A	May. 25, 2025	May. 24, 2026
14	D.C. Power Supply	LongWei	TPR-6405D	N/A	N/A	\	\
15	EMC Software	Frad	EZ-EMC	Ver.EMC-CO N 3A1.1	N/A	\	\
16	Turntable	MF	MF-7802BS	N/A	N/A	\	\
17	Antenna tower	MF	MF-7802BS	N/A	N/A	\	\



RF Conducted Test

Item	Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Last calibration	Calibrated until
1	Spectrum Analyzer (9kHz-26.5GHz)	KEYSIGHT	N9020A	MY55370835	A.17.05	Sep. 20, 2024	Sep. 19, 2025
2	Spectrum Analyzer (10kHz-39.9GHz)	R&S	FSV40-N	100363	1.71 SP2	Sep. 20, 2024	Sep. 19, 2025
3	Test Cable	N/A	RF-01	N/A	N/A	May. 25, 2025	May. 24, 2026
4	Test Cable	N/A	RF-02	N/A	N/A	May. 25, 2025	May. 24, 2026
5	Test Cable	N/A	RF-03	N/A	N/A	May. 25, 2025	May. 24, 2026
6	ESG Signal Generator	Agilent	E4421B	N/A	B.03.84	Sep. 19, 2024	Sep. 18, 2025
7	Signal Generator	Agilent	N5182A	N/A	A.01.87	Sep. 20, 2024	Sep. 19, 2025
8	Magnetic Field Probe Tester	Narda	ELT-400	0-0344/M-1752	N/A	Sep. 25, 2024	Sep. 24, 2025
9	SHIELD BOX	TESCOM	TC-5970C	5970C015553	N/A	Dec. 18, 2024	Dec. 17, 2025
10	Wideband Radio Communication Test	R&S	CMW500	106504	V 3.7.22	Sep. 28, 2024	Sep. 27, 2025
11	MWRF Power Meter Test system	MW	MW100-RF CB	N/A	N/A	Sep. 19, 2024	Sep. 18, 2025
12	D.C. Power Supply	LongWei	TPR-6405 D	N/A	N/A	\	\
13	RF Software	MW	MTS8310	V2.0.0.0	N/A	\	\



4. EMC EMISSION TEST

4.1 Conducted emissions

Test Requirement:	FCC Part15 C Section 15.207
Test Method:	ANSI C63.10-2020+Cor 1-2023
Test Frequency Range:	150KHz to 30MHz
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto

4.1.1 POWER LINE CONDUCTED EMISSION Limits

FREQUENCY (MHz)	Limit (dBuV)		Standard
	Quasi-peak	Average	
0.15 -0.5	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	56.00	46.00	FCC
5.0 -30.0	60.00	50.00	FCC

Note:

(1) *Decreases with the logarithm of the frequency.

4.1.2 TEST PROCEDURE

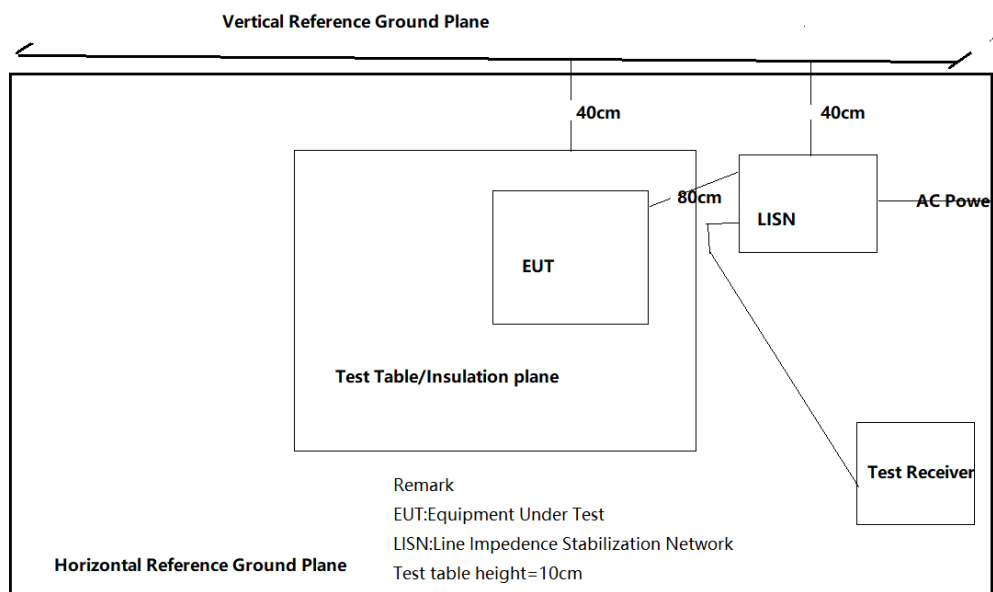
- The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- LISN at least 80 cm from nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.3 DEVIATION FROM TEST STANDARD

No deviation



4.1.4 TEST SETUP



4.1.5 EUT OPERATING CONDITIONS

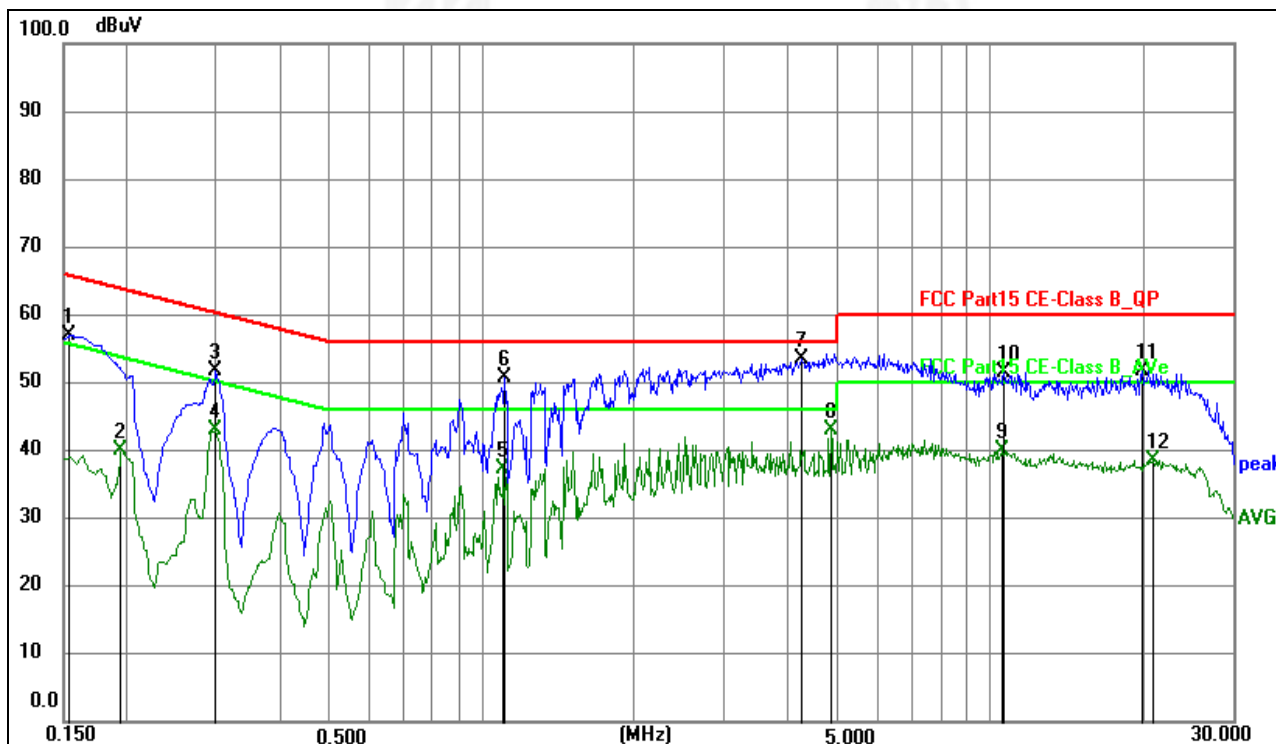
The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.



4.1.6 Test Result

All modes have been tested, only shows data from the worst-performing mode 3DH5-2402MHz.

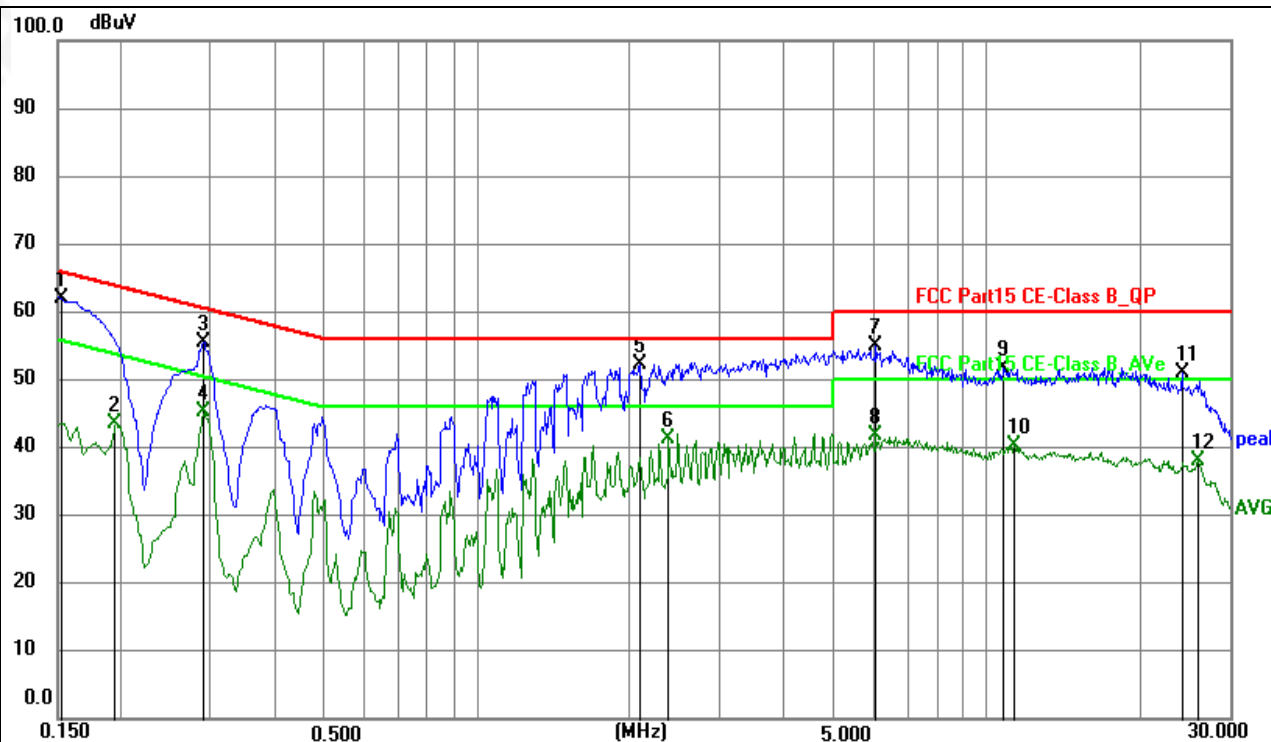
Temperature :	26°C	Relative Humidity :	54%
Pressure :	101kPa	Phase:	L
Test Voltage :	AC 120V/60Hz	Test Mode:	3-DH5 2402



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1544	36.26	20.68	56.94	65.76	-8.82	QP
2	0.1949	19.82	20.25	40.07	53.83	-13.76	AVG
3	0.2983	31.21	20.45	51.66	60.29	-8.63	QP
4	0.2983	22.60	20.45	43.05	50.29	-7.24	AVG
5	1.1040	16.93	20.47	37.40	46.00	-8.60	AVG
6	1.1085	30.20	20.47	50.67	56.00	-5.33	QP
7	4.2584	33.29	20.26	53.55	56.00	-2.45	QP
8	4.8704	22.77	20.14	42.91	46.00	-3.09	AVG
9	10.5225	19.51	20.49	40.00	50.00	-10.00	AVG
10	10.6304	30.89	20.49	51.38	60.00	-8.62	QP
11	19.9185	30.82	20.96	51.78	60.00	-8.22	QP
12	20.9355	17.73	20.84	38.57	50.00	-11.43	AVG



Temperature :	26°C	Relative Humidity :	54%
Pressure :	101kPa	Phase:	N
Test Voltage :	AC 120V/60Hz	Test Mode:	3-DH5 2402



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1524	41.20	20.70	61.90	65.87	-3.97	QP
2	0.1949	23.32	20.25	43.57	53.83	-10.26	AVG
3	0.2895	34.99	20.42	55.41	60.54	-5.13	QP
4	0.2895	24.74	20.42	45.16	50.54	-5.38	AVG
5	2.0895	31.96	20.19	52.15	56.00	-3.85	QP
6	2.3775	20.94	20.29	41.23	46.00	-4.77	AVG
7	6.0765	34.59	20.29	54.88	60.00	-5.12	QP
8	6.0765	21.43	20.29	41.72	50.00	-8.28	AVG
9	10.7970	31.27	20.50	51.77	60.00	-8.23	QP
10	11.3595	19.67	20.53	40.20	50.00	-9.80	AVG
11	24.1890	30.50	20.44	50.94	60.00	-9.06	QP
12	26.0250	17.78	20.36	38.14	50.00	-11.86	AVG

Notes:
1.An initial pre-scan was performed on the line and neutral lines with peak detector.
2.Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3.Measurement Level = Reading level + Correct Factor
4.The test data shows only the worst case 3-DH5 2402MHz mode



4.2 Radiated emissions

Test Requirement:	FCC Part15 C Section 15.209				
Test Method:	ANSI C63.10-2020+Cor 1-2023				
Test Frequency Range:	9kHz to 25GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	9KHz-150KHz	Quasi-peak	200Hz	MX5Hz	Quasi-peak
	150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average

4.2.1 Radiated Emission Limits

Frequencies (MHz)	Field Strength (micorvolts/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

LIMITS OF RADIATED EMISSION MEASUREMENT

FREQUENCY (MHz)	Limit (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m) = 20log Emission level (uV/m).

4.2.2 TEST PROCEDURE

Below 1GHz test procedure as below:

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. 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 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) 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. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Above 1GHz test procedure as below:

- g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 metre to 1.5 metre (Above 18GHz the distance is 1 meter and table is 1.5 metre).
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel

Note:

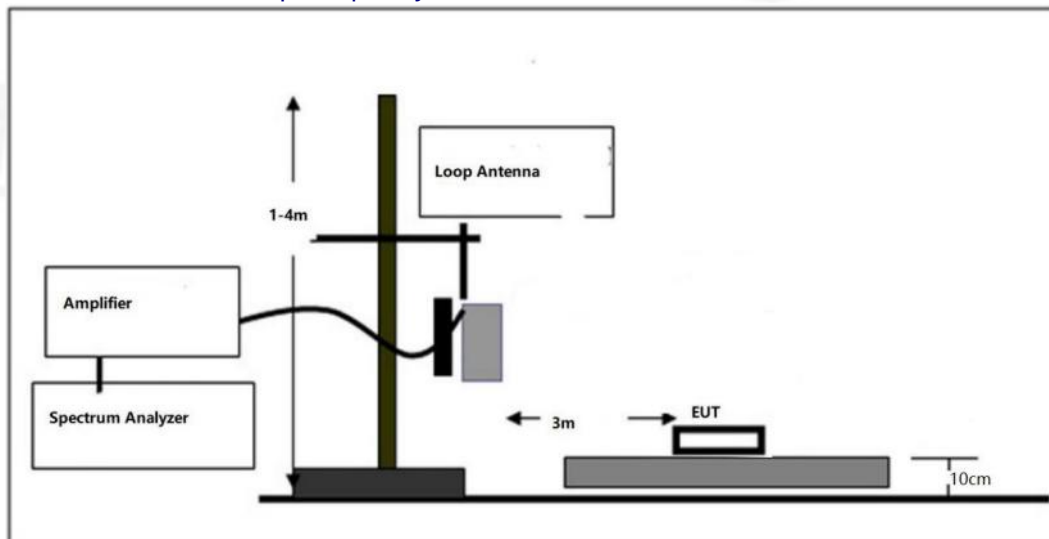
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

4.2.3 DEVIATION FROM TEST STANDARD

No deviation

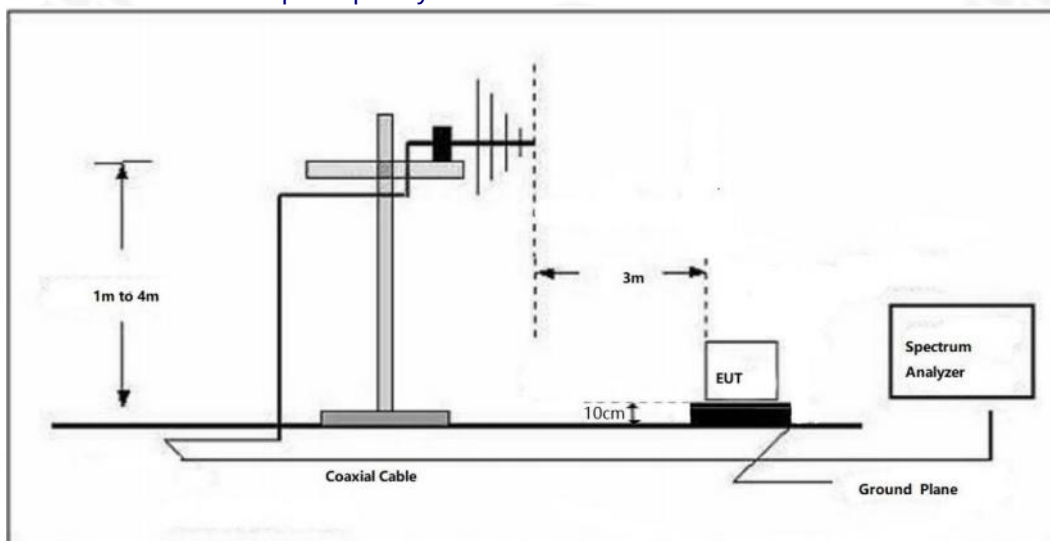
4.2.4 TEST SETUP

(A) Radiated Emission Test-Up Frequency Below 30MHz

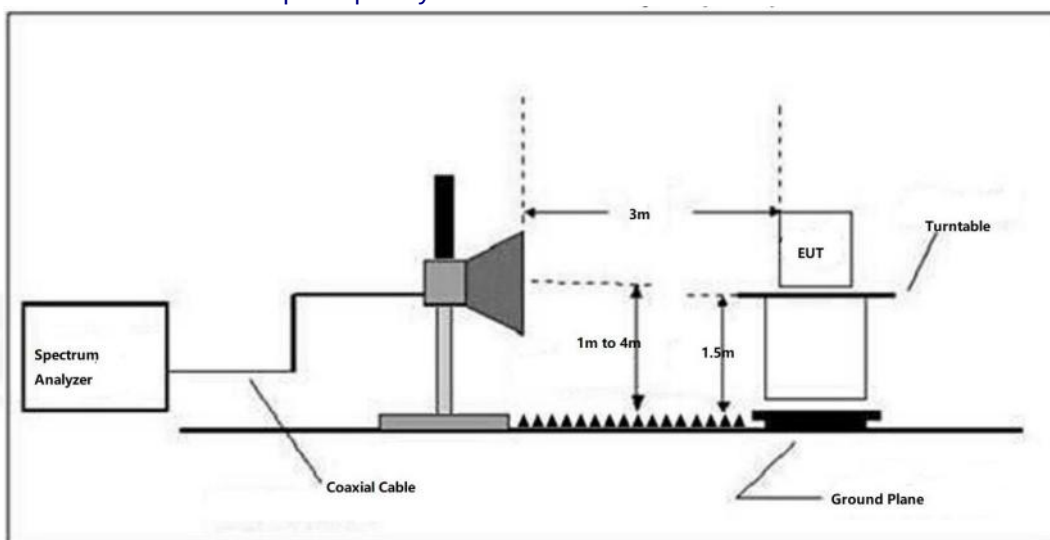




(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz



4.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 4.2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

4.2.6 TEST RESULTS

Between 9KHz – 30MHz

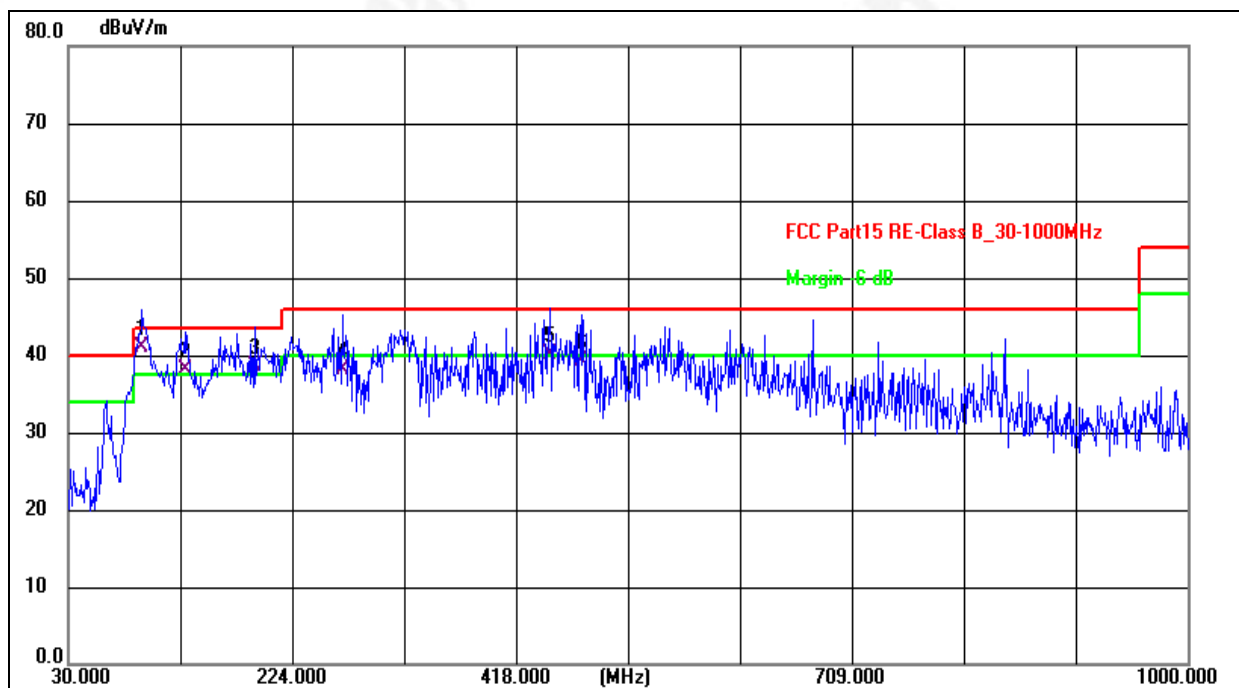
The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o) & RSS-G, the test result no need to reported.



Between 30MHz – 1GHz

All modes have been tested, only shows data from the worst-performing mode 3DH5-2402MHz.

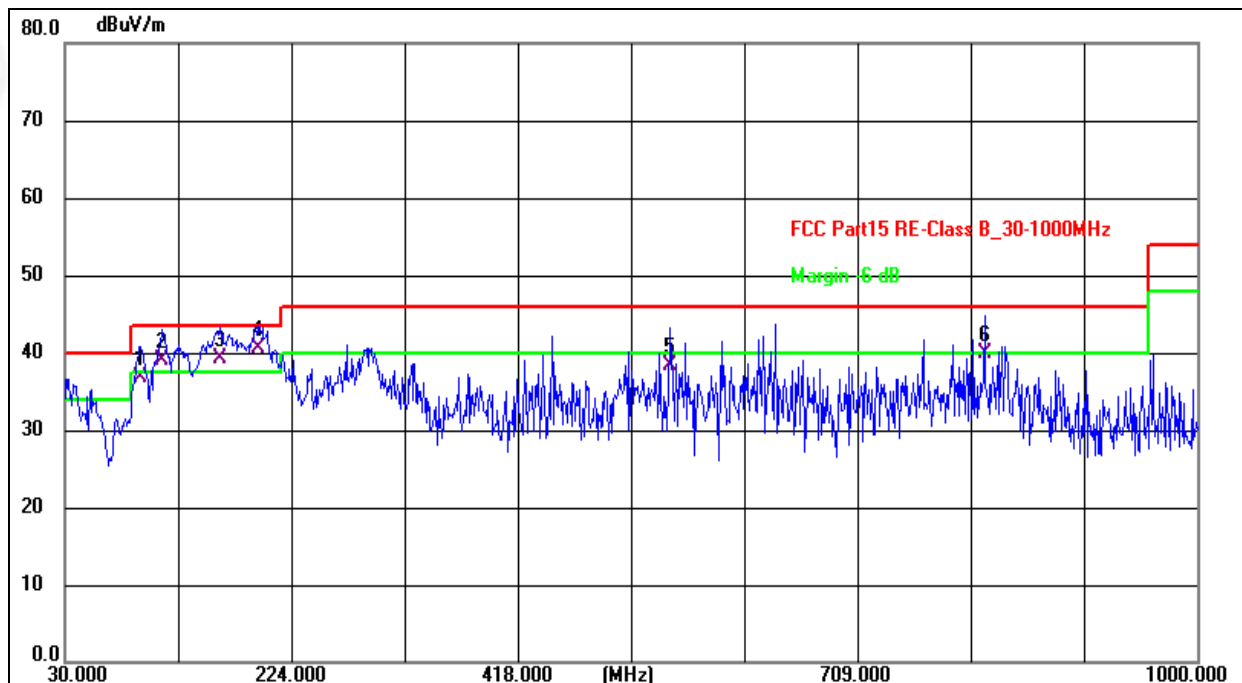
Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 48V	Test Mode:	π /4-DQPSK 2480



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1 *	94.213	60.54	-19.61	40.93	43.50	-2.57	QP
2 !	131.184	54.61	-16.54	38.07	43.50	-5.43	QP
3 !	191.505	57.03	-18.42	38.61	43.50	-4.89	QP
4	267.392	55.36	-17.21	38.15	46.00	-7.85	QP
5 !	447.382	52.38	-12.26	40.12	46.00	-5.88	QP
6	475.597	50.88	-11.76	39.12	46.00	-6.88	QP



Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 48V	Test Mode:	π /4-DQPSK 2480



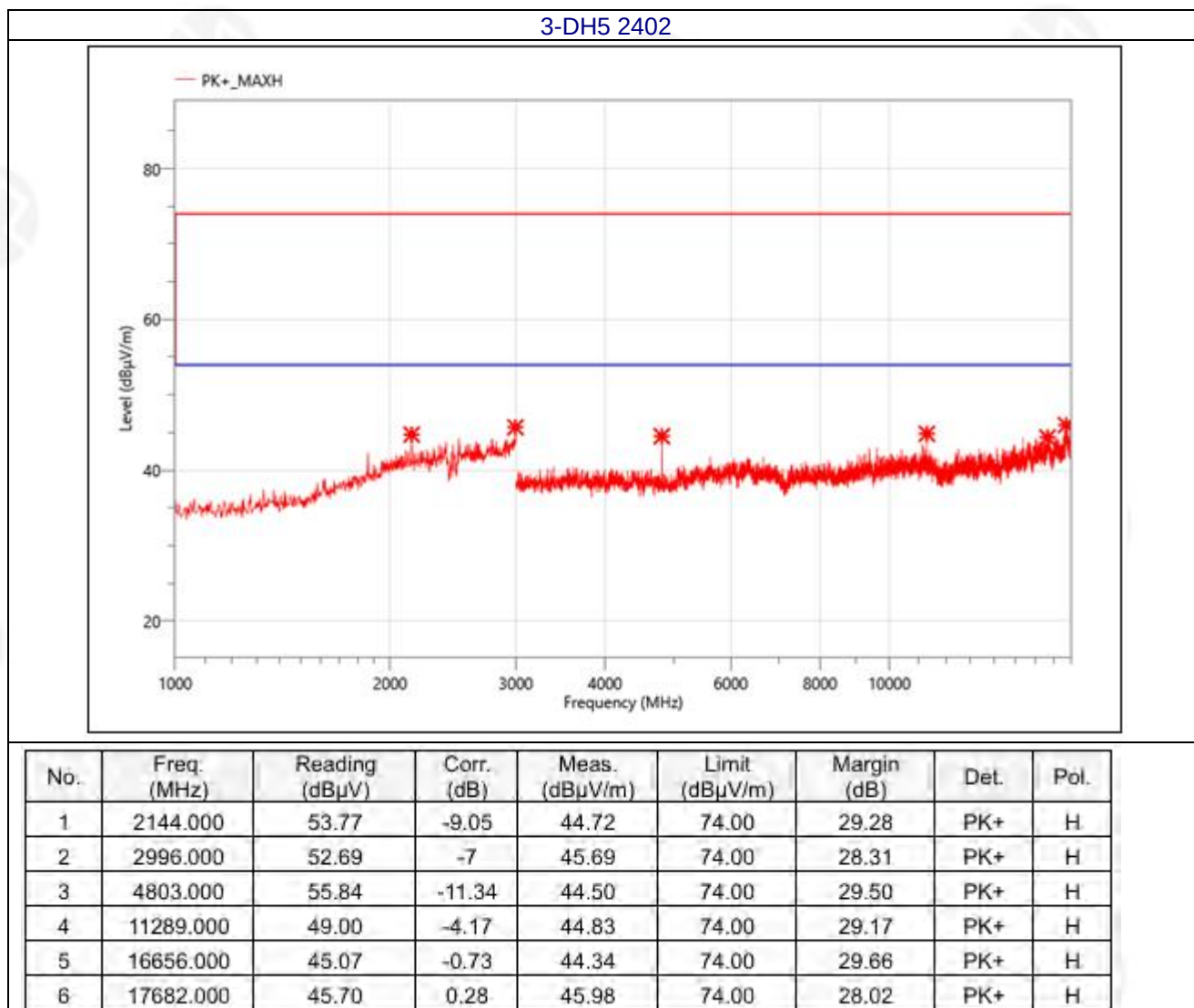
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	95.186	56.31	-19.55	36.76	43.50	-6.74	QP
2 !	113.671	56.75	-17.83	38.92	43.50	-4.58	QP
3 !	163.290	54.78	-15.60	39.18	43.50	-4.32	QP
4 *	195.396	59.14	-18.65	40.49	43.50	-3.01	QP
5	548.566	47.91	-9.61	38.30	46.00	-7.70	QP
6	818.064	44.03	-4.18	39.85	46.00	-6.15	QP

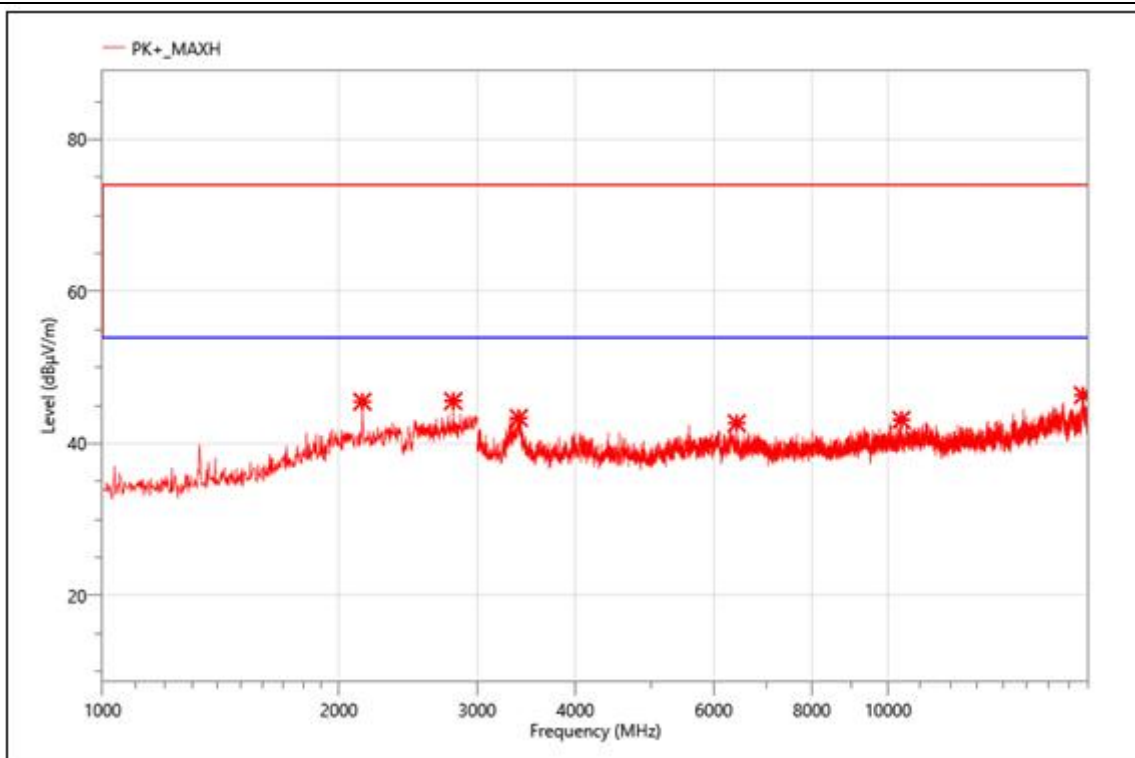
Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.
3. The test data shows only the worst case π /4-DQPSK 2480MHz mode



All modes have been tested, 3DH5 the worst result as below:





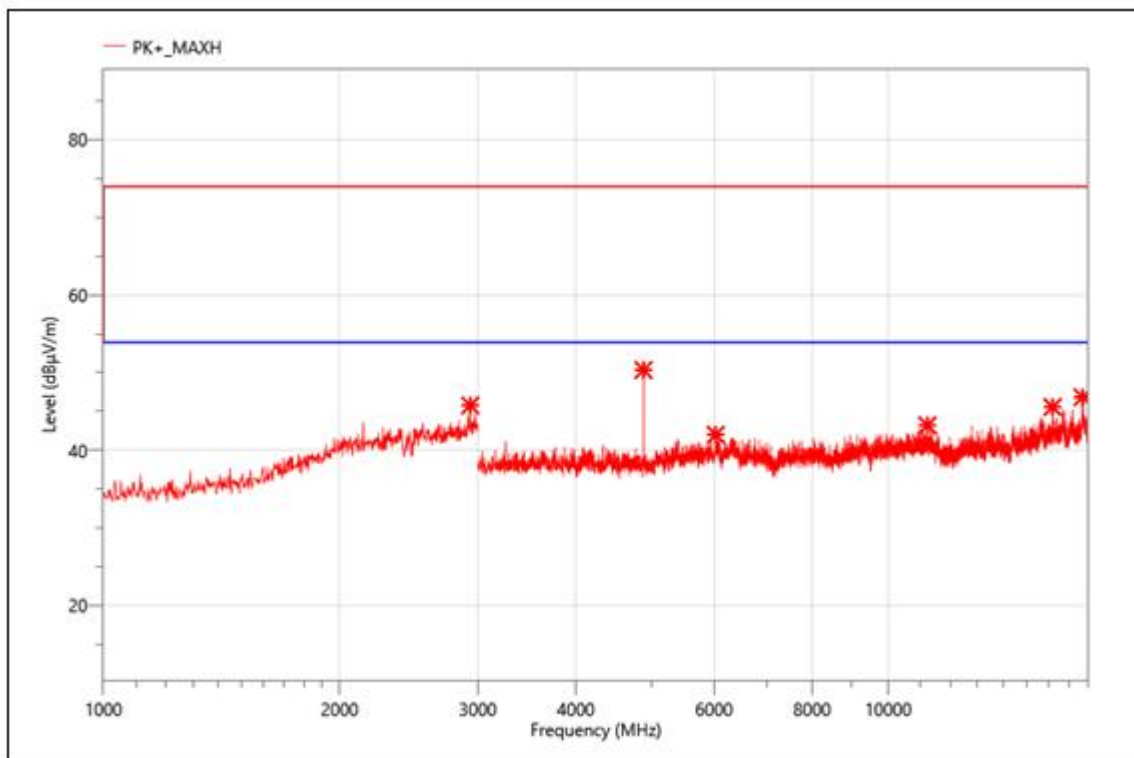
No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	2142.000	54.55	-9.05	45.50	74.00	28.50	PK+	V
2	2796.000	53.99	-8.41	45.58	74.00	28.42	PK+	V
3	3388.500	57.78	-14.41	43.37	74.00	30.63	PK+	V
4	6420.000	50.85	-8.18	42.67	74.00	31.33	PK+	V
5	10404.000	48.66	-5.54	43.12	74.00	30.88	PK+	V
6	17719.500	46.61	-0.24	46.37	74.00	27.63	PK+	V

Remark:

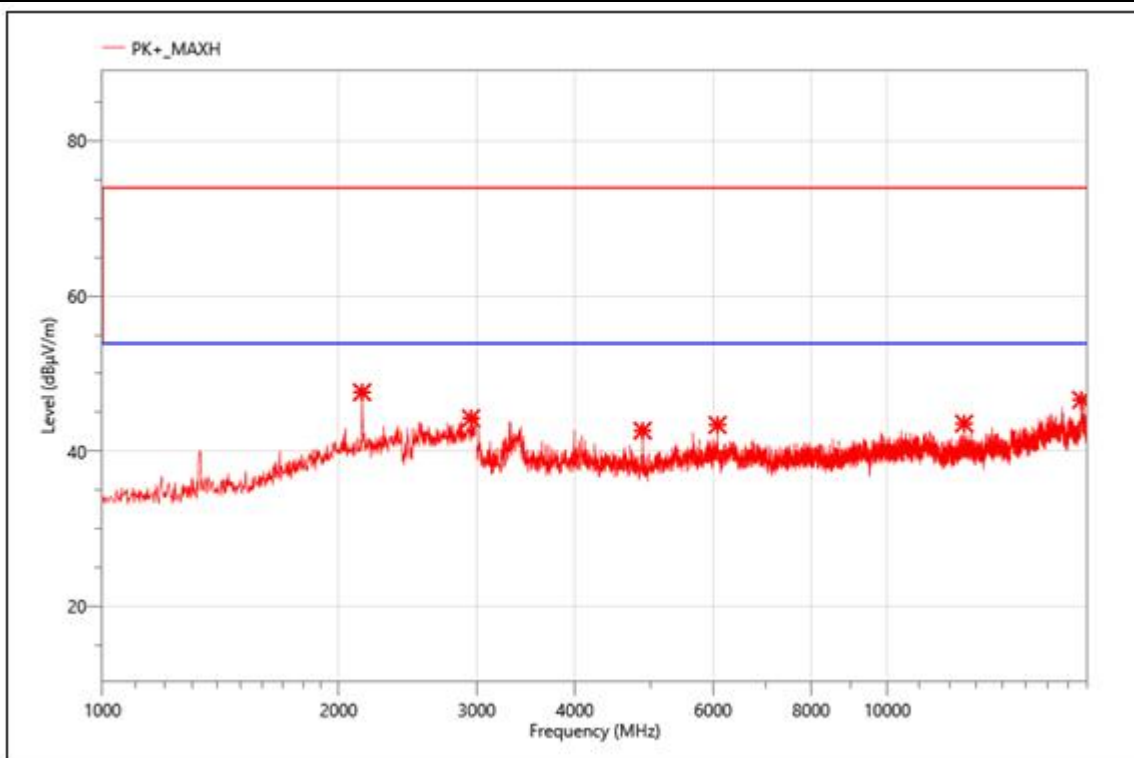
1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



3-DH5 2441



No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	2934.000	53.29	-7.51	45.78	74.00	28.22	PK+	H
2	4882.000	61.47	-11.14	50.33	74.00	23.67	PK+	H
3	6028.500	50.52	-8.51	42.01	74.00	31.99	PK+	H
4	11221.500	47.47	-4.26	43.21	74.00	30.79	PK+	H
5	16198.500	46.78	-1.21	45.57	74.00	28.43	PK+	H
6	17689.500	46.60	0.24	46.84	74.00	27.16	PK+	H



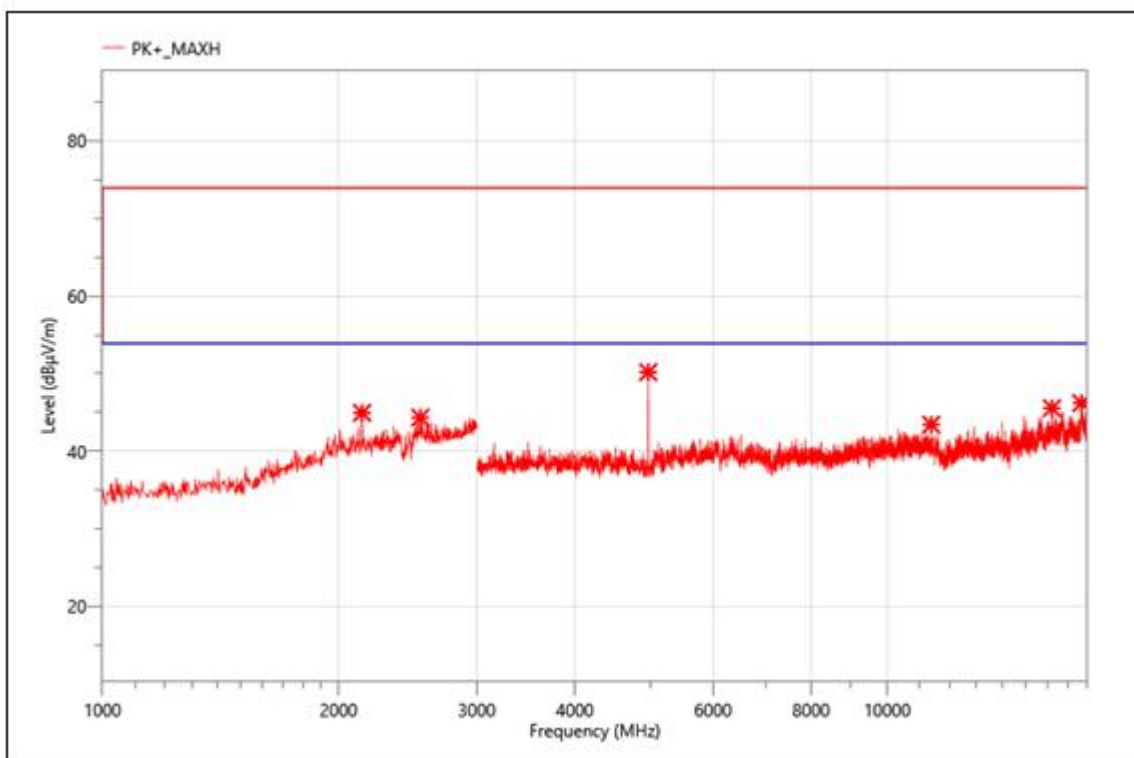
No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	2142.000	56.65	-9.05	47.60	74.00	26.40	PK+	V
2	2950.000	51.68	-7.43	44.25	74.00	29.75	PK+	V
3	4881.500	53.78	-11.14	42.64	74.00	31.36	PK+	V
4	6078.000	51.50	-8.11	43.39	74.00	30.61	PK+	V
5	12535.500	47.71	-4.15	43.56	74.00	30.44	PK+	V
6	17674.500	46.29	0.32	46.61	74.00	27.39	PK+	V

Remark:

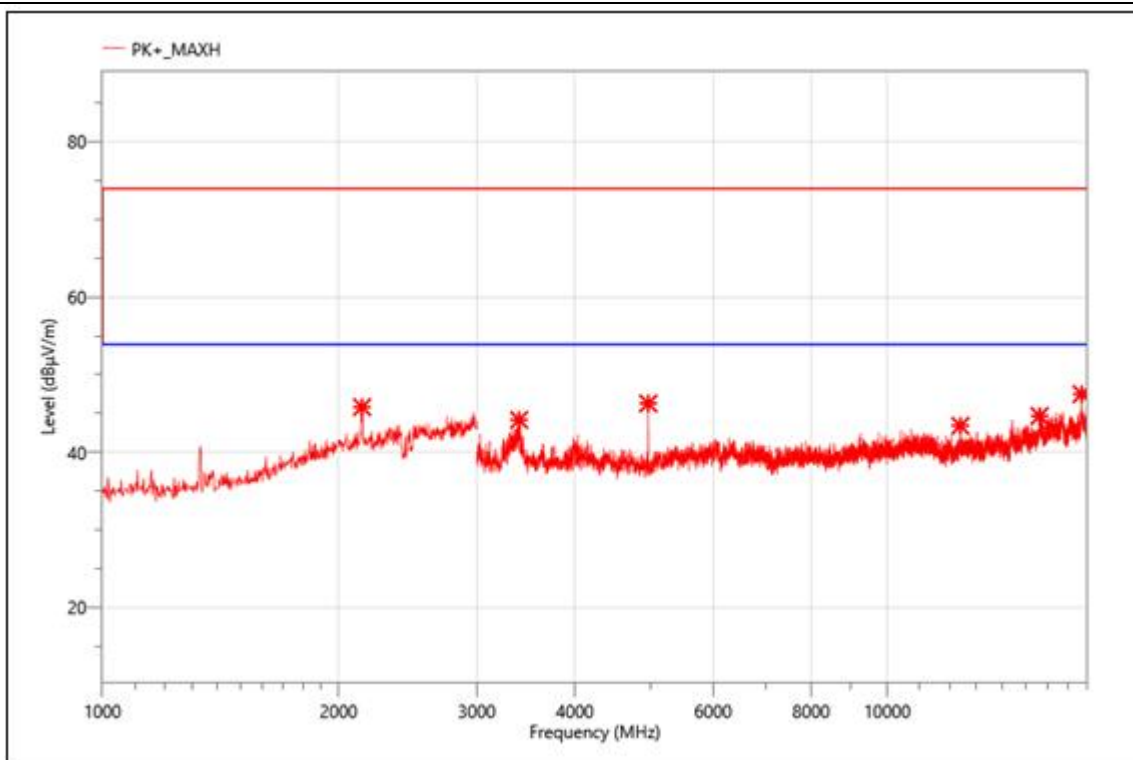
1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



3-DH5 2480



No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	2142.000	53.99	-9.05	44.94	74.00	29.06	PK+	H
2	2542.000	52.70	-8.37	44.33	74.00	29.67	PK+	H
3	4960.500	61.53	-11.34	50.19	74.00	23.81	PK+	H
4	11380.500	48.00	-4.57	43.43	74.00	30.57	PK+	H
5	16216.500	46.76	-1.21	45.55	74.00	28.45	PK+	H
6	17682.000	45.92	0.28	46.20	74.00	27.80	PK+	H



No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	2142.000	54.87	-9.05	45.82	74.00	28.18	PK+	V
2	3396.000	58.54	-14.37	44.17	74.00	29.83	PK+	V
3	4960.500	57.63	-11.34	46.29	74.00	27.71	PK+	V
4	12397.500	48.06	-4.65	43.41	74.00	30.59	PK+	V
5	15642.000	46.71	-2.04	44.67	74.00	29.33	PK+	V
6	17697.000	47.29	0.2	47.49	74.00	26.51	PK+	V

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



5. RADIATED BAND EMISSION MEASUREMENT

5.1 Test Requirement:

Test Requirement:	FCC Part15 C Section 15.209 and 15.205				
Test Method:	ANSI C63.10-2020+Cor 1-2023				
Test Frequency Range:	All of the restrict bands were tested, only the worst band's (2310MHz to 2500MHz) data was showed.				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Average	1MHz	3MHz	Average

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Limit (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m) = 20log Emission level (uV/m).

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	2300MHz
Stop Frequency	2520
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average

5.2 TEST PROCEDURE

Above 1GHz test procedure as below:

- a. 1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. 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 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 rota 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. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel,the Highest channel

Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

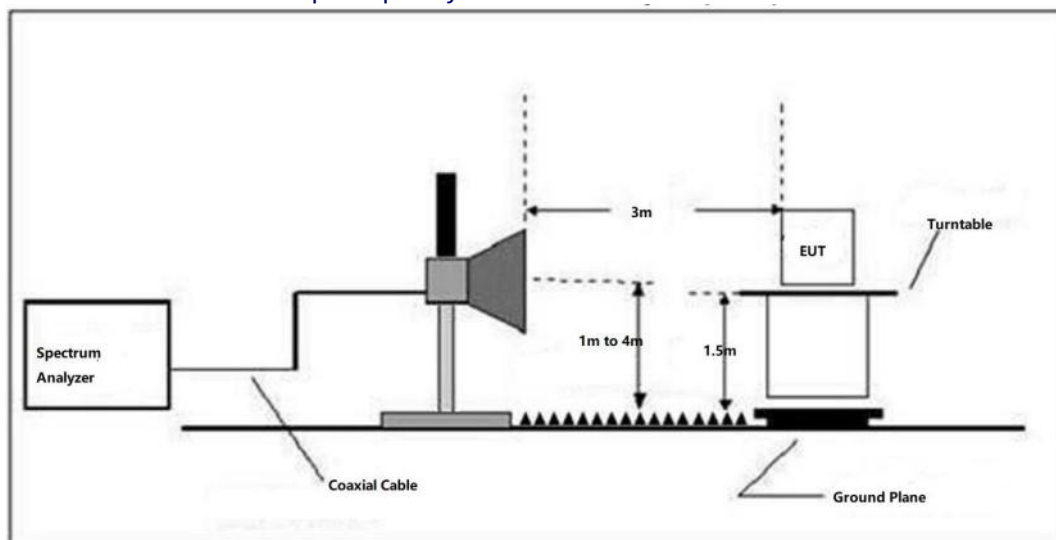


5.3 DEVIATION FROM TEST STANDARD

No deviation

5.4 TEST SETUP

Radiated Emission Test-Up Frequency Above 1GHz



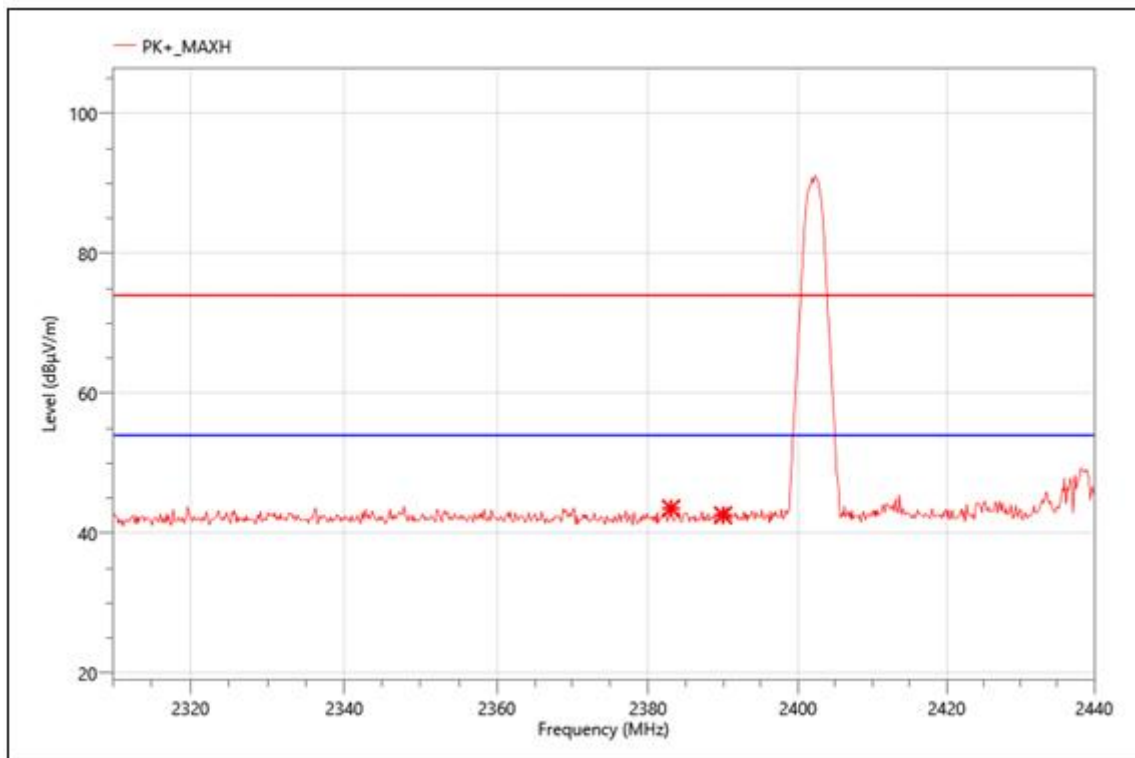
5.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 5.4 Unless otherwise a special operating condition is specified in the follows during the testing.

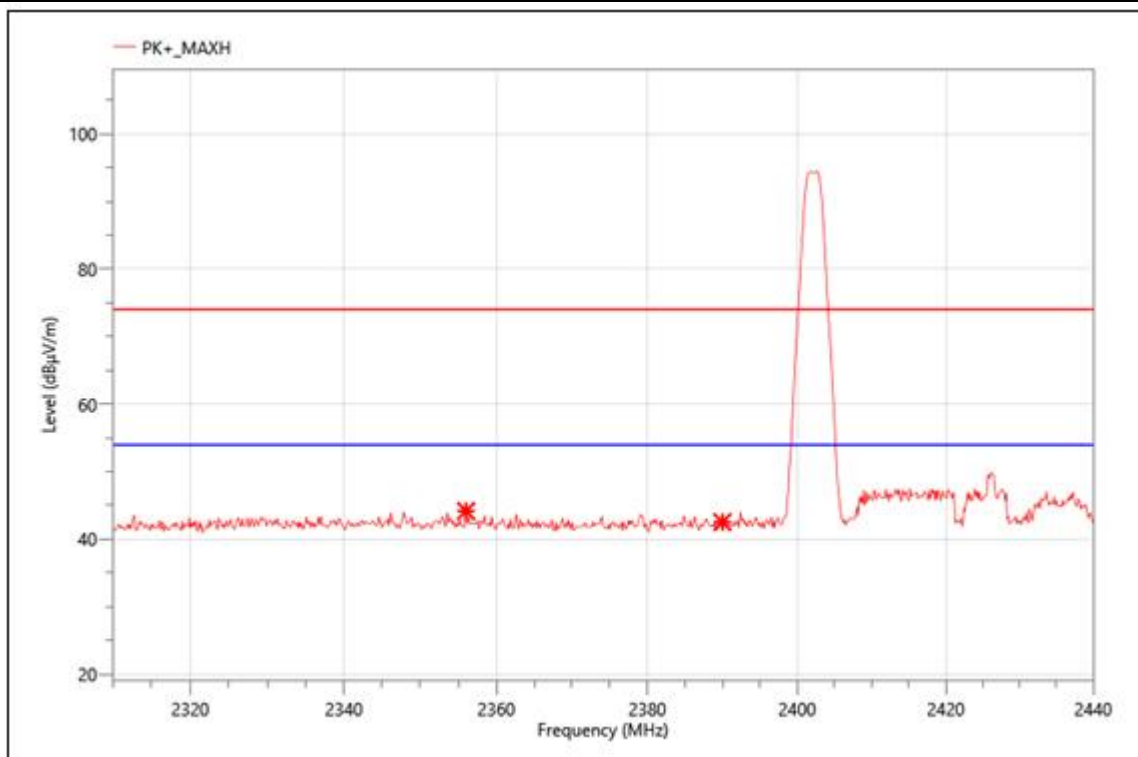


5.6 TEST RESULT

All modes have been tested, 3-DH5 the worst result as bellow:
3-DH5 2402

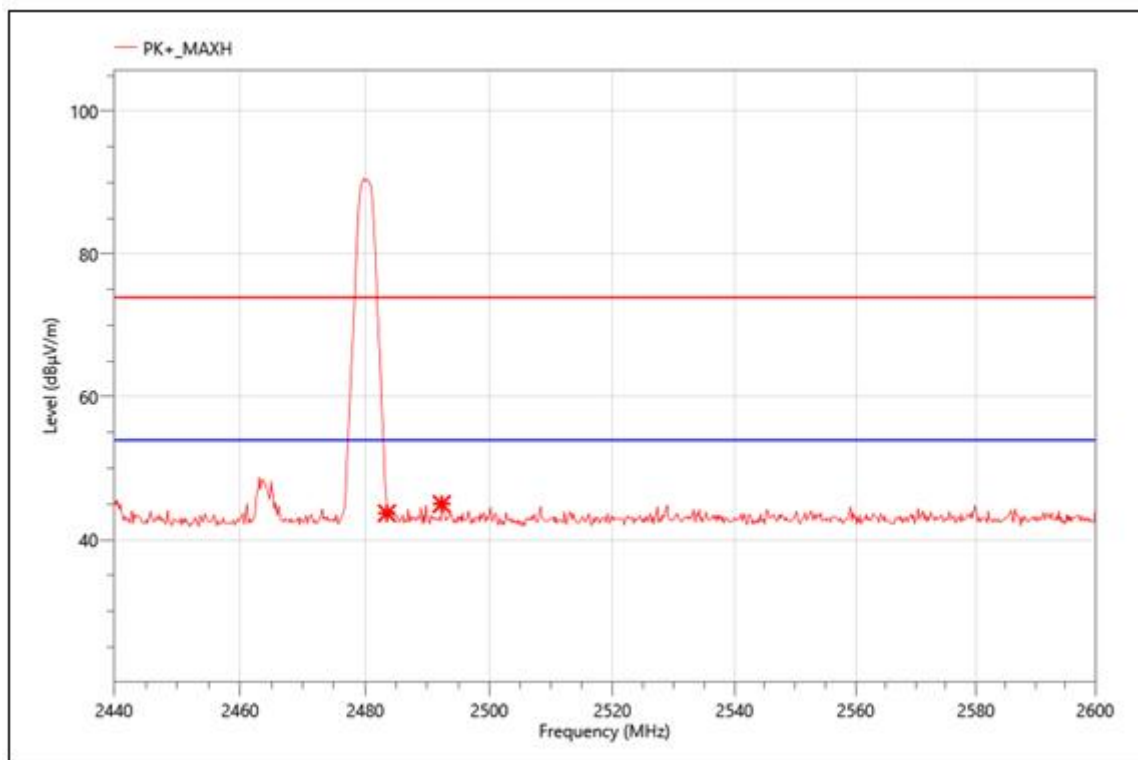


No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	2383.060	20.95	22.59	43.54	74.00	30.46	PK+	V
2	2390.000	19.84	22.72	42.56	74.00	31.44	PK+	V

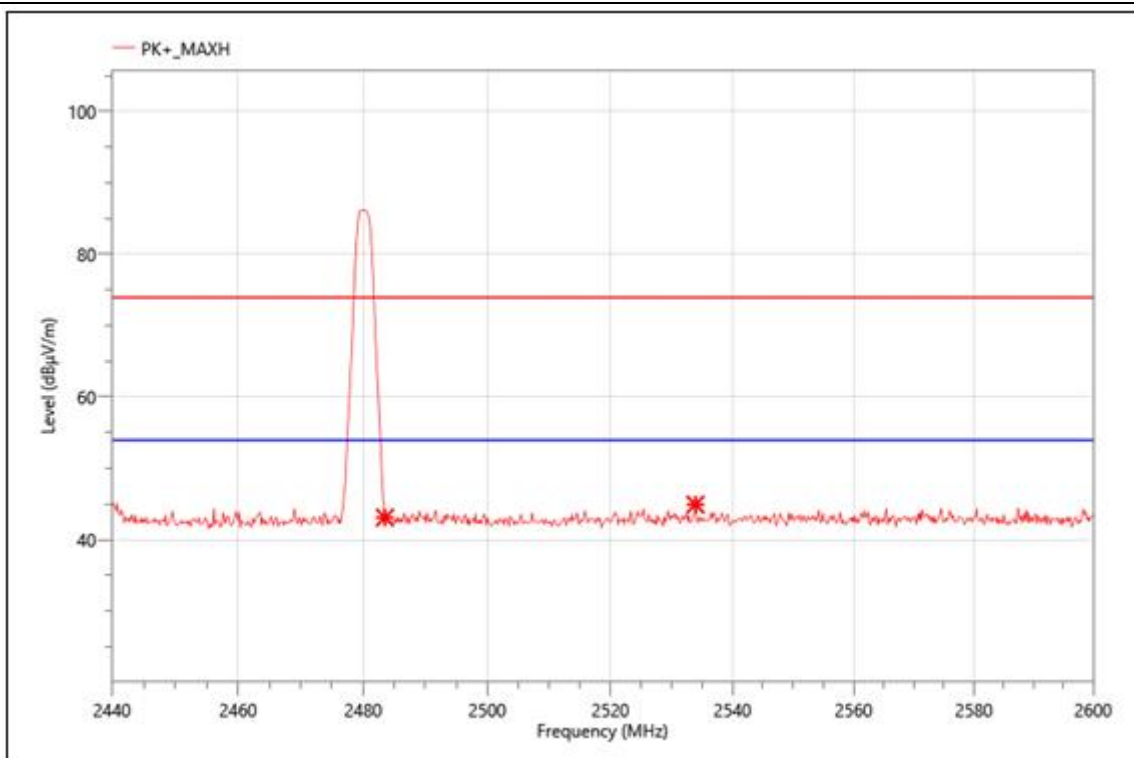


No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	2356.020	21.40	22.76	44.16	74.00	29.84	PK+	H
2	2390.000	19.79	22.72	42.51	74.00	31.49	PK+	H

3-DH5 2480



No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	2483.500	20.57	23.15	43.72	74.00	30.28	PK+	H
2	2492.320	21.87	23.13	45.00	74.00	29.00	PK+	H



No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	2483.500	19.95	23.15	43.10	74.00	30.90	PK+	V
2	2533.920	21.74	23.18	44.92	74.00	29.08	PK+	V

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level – Limit
2. If peak below the average limit, the average emission was no test.



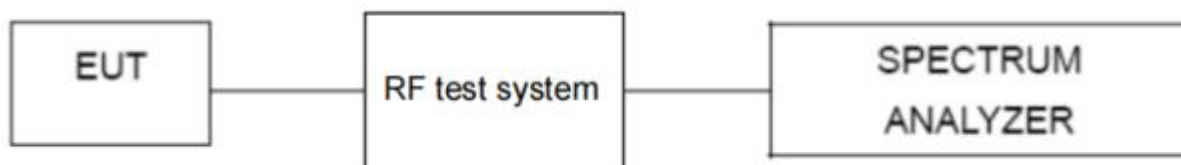
6. CONDUCTED BAND EDGE AND SPURIOUS EMISSION

Test Requirement:	FCC Part 15C Section 15.247 (d)
Test Method:	KDB558074 D0115.247 Meas Guidancev05r02

6.1 Limit

Regulation 15.247 (d), In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

6.2 Test Setup



6.3 Test procedure

Using the following spectrum analyzer setting:

- A) Set the RBW = 100KHz.
- B) Set the VBW = 300KHz.
- C) Sweep time = auto couple.
- D) Detector function = peak.
- E) Trace mode = max hold.
- F) Allow trace to fully stabilize.

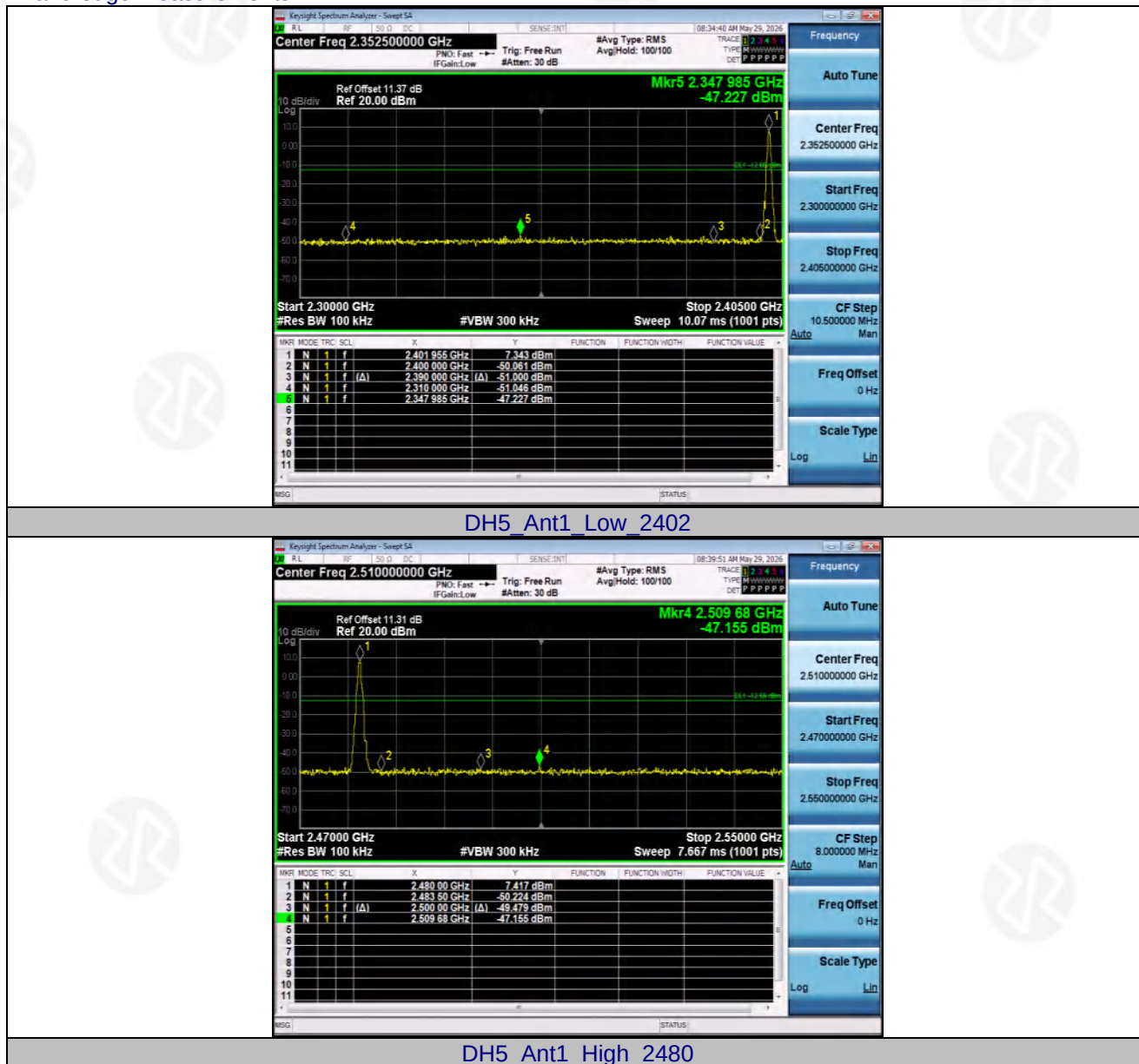
6.4 DEVIATION FROM STANDARD

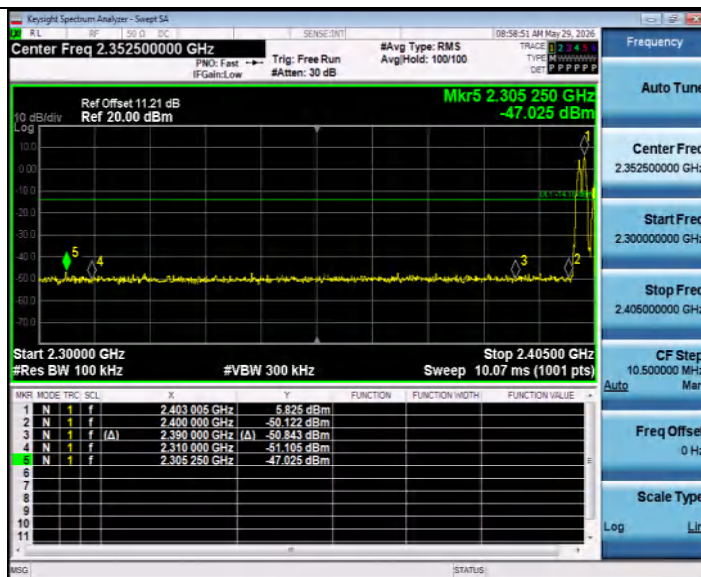
No deviation.



6.5 Test Result

Band edge measurements

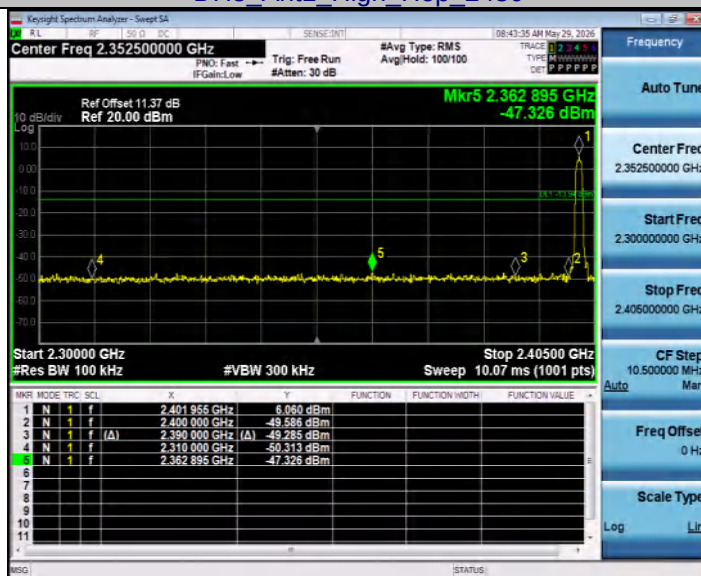




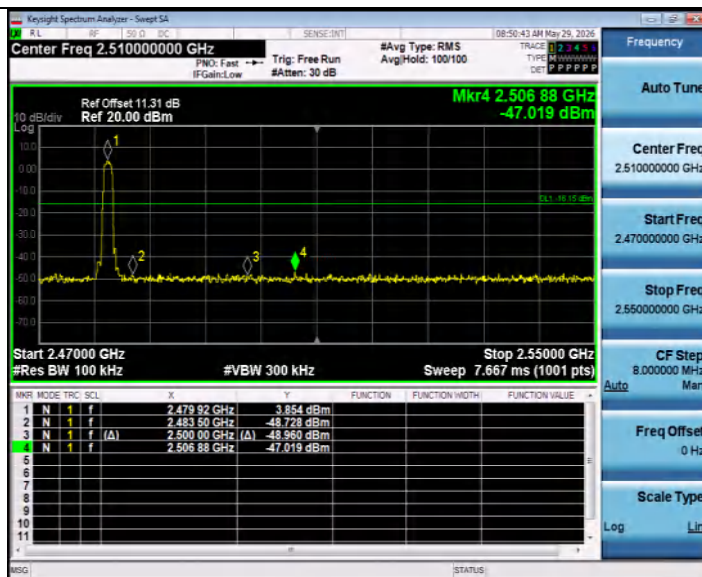
DH5 Ant1 Low Hop 2402



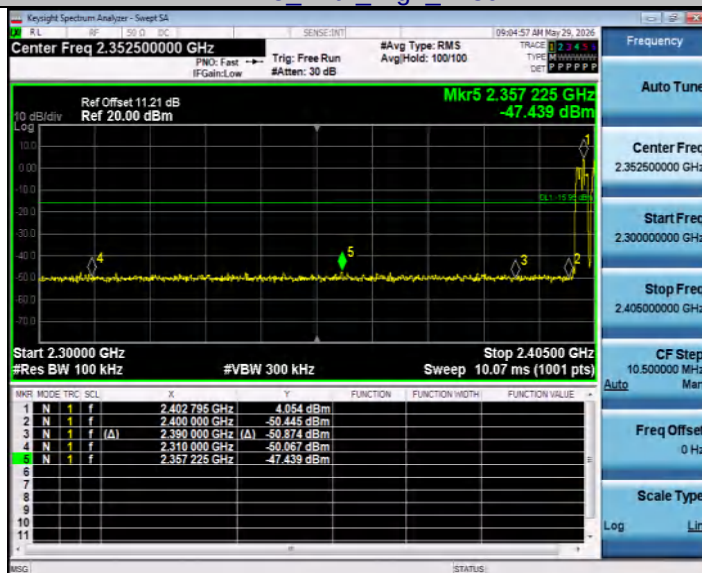
DH5 Ant1 High Hop 2480



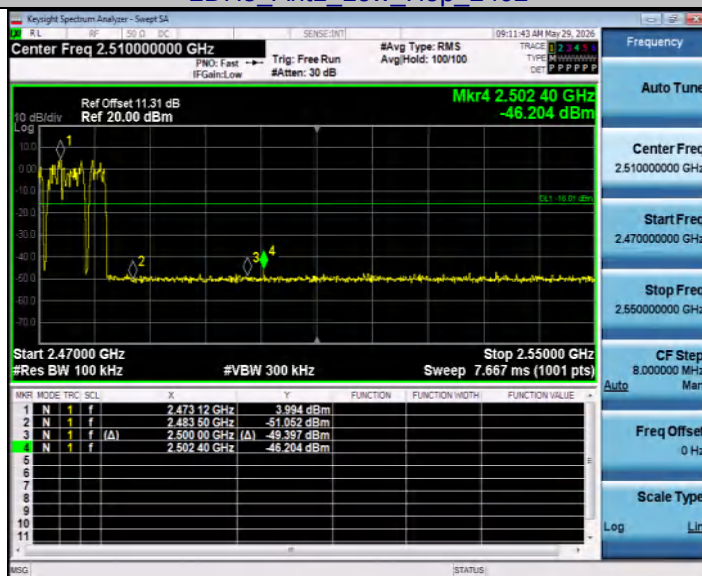
2DH5 Ant1 Low Hop 2402



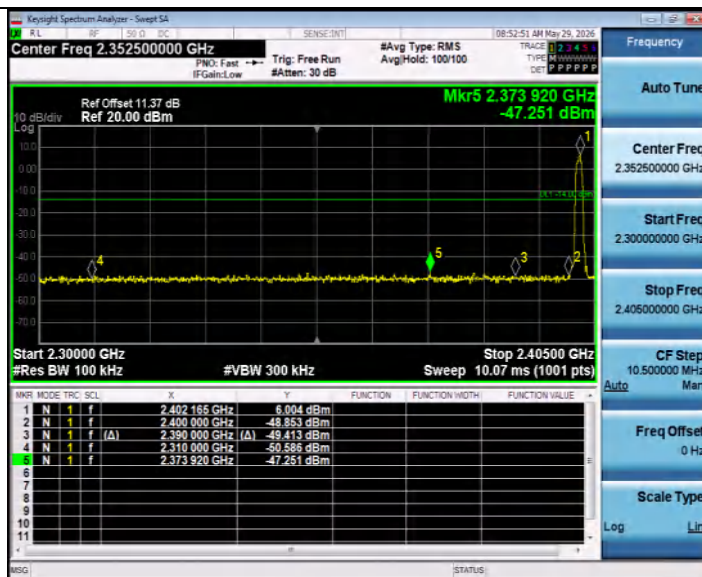
2DH5_Ant1_High_2480



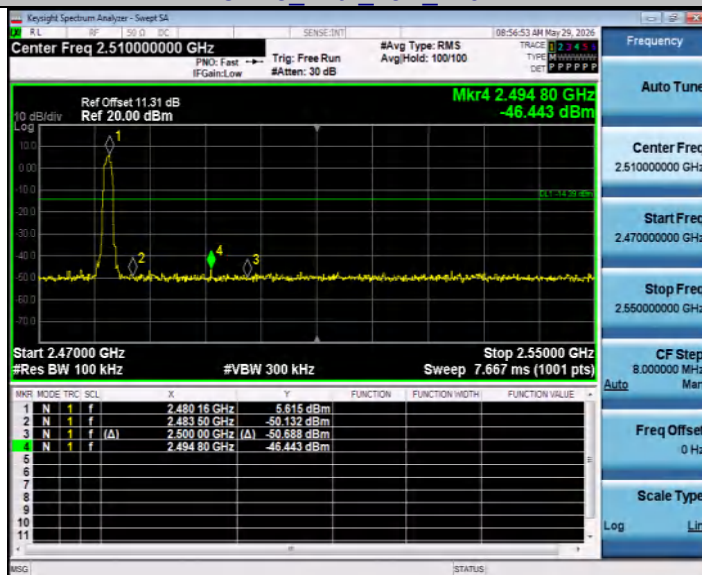
2DH5_Ant1_Low_Hop_2402



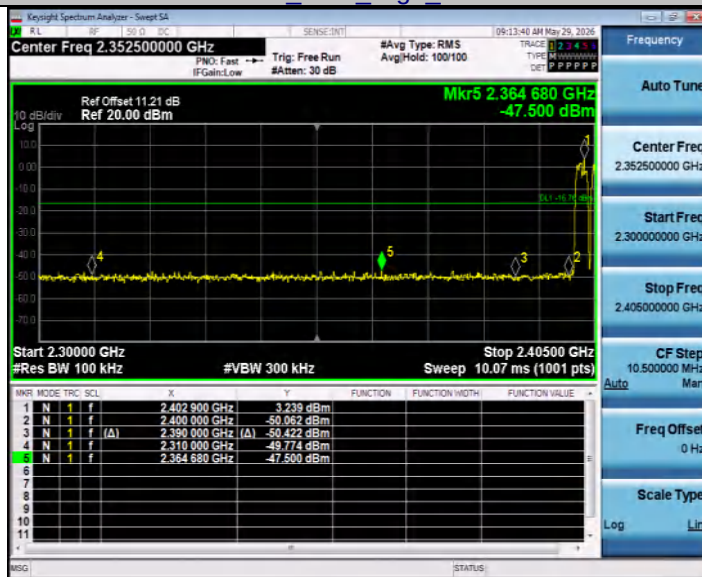
2DH5_Ant1_High_Hop_2480



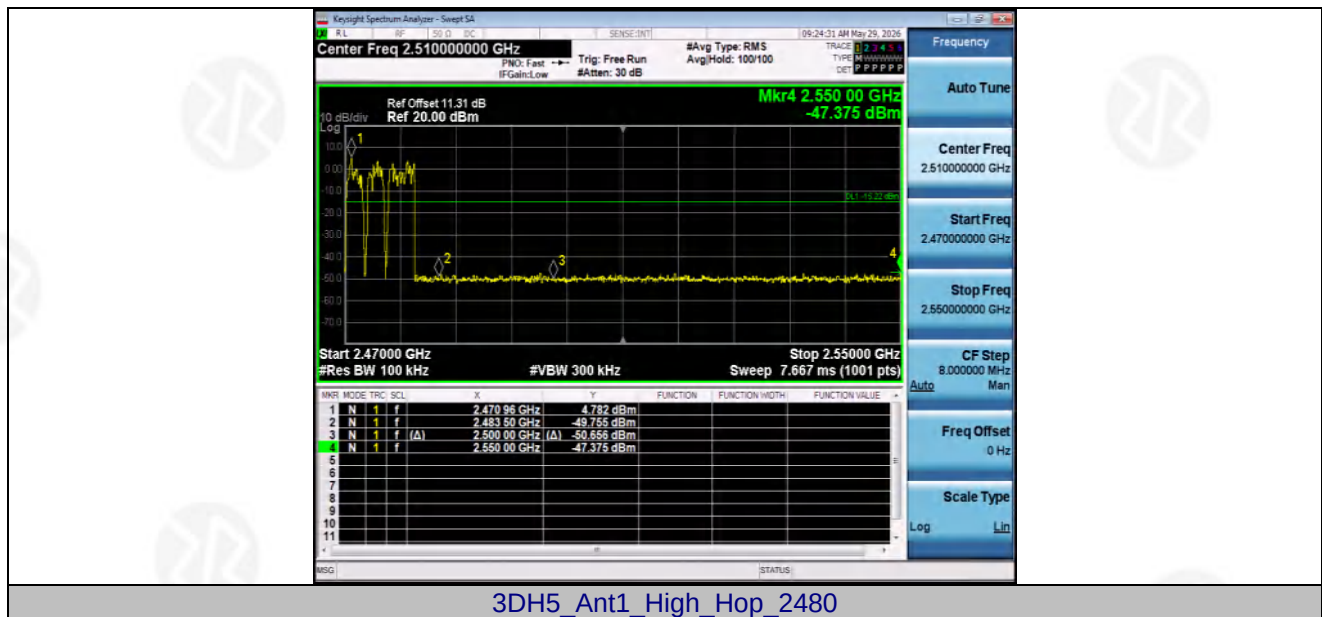
3DH5_Ant1_Low_2402



3DH5_Ant1_High_2480

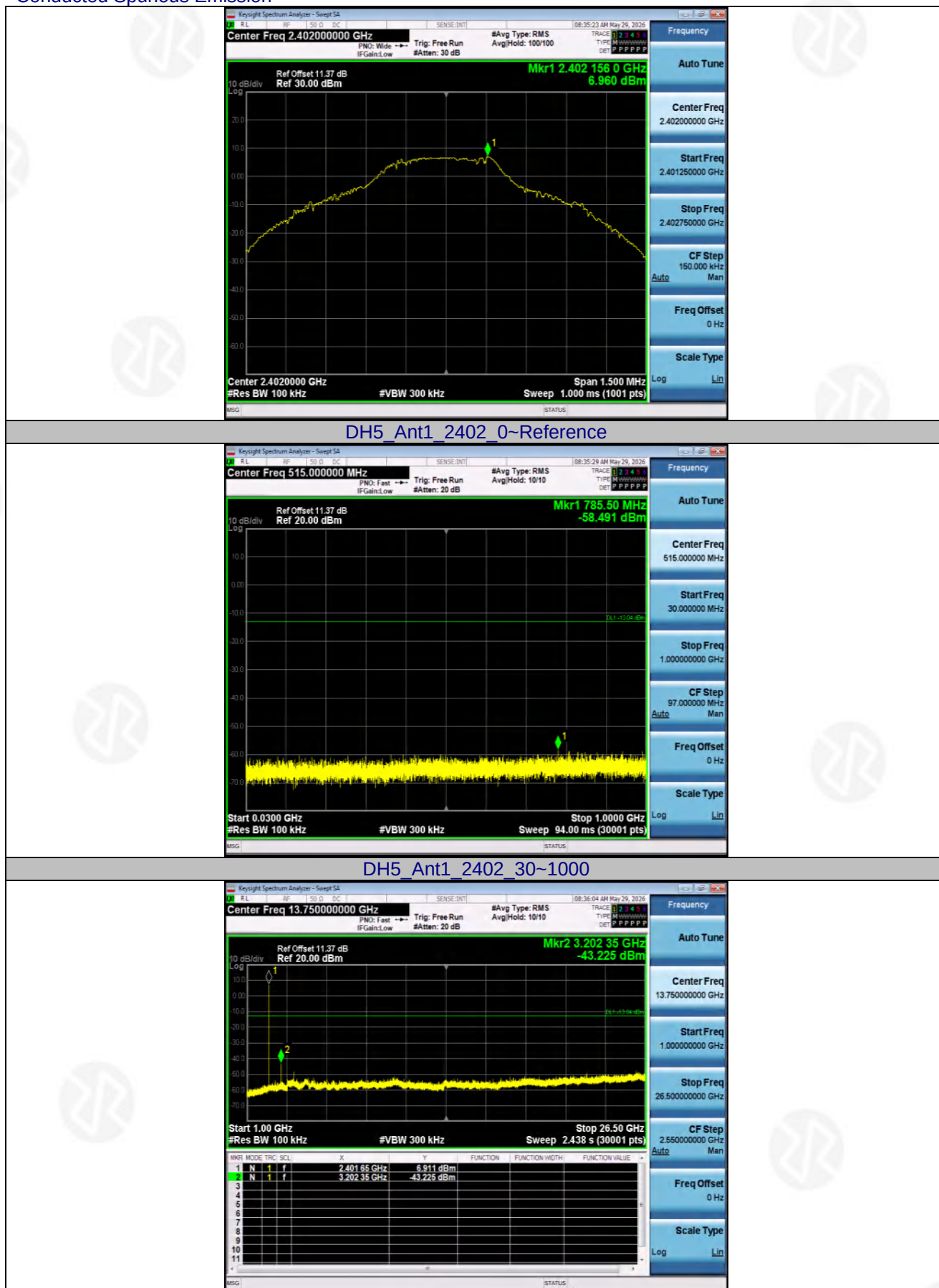


3DH5_Ant1_Low_Hop_2402





Conducted Spurious Emission

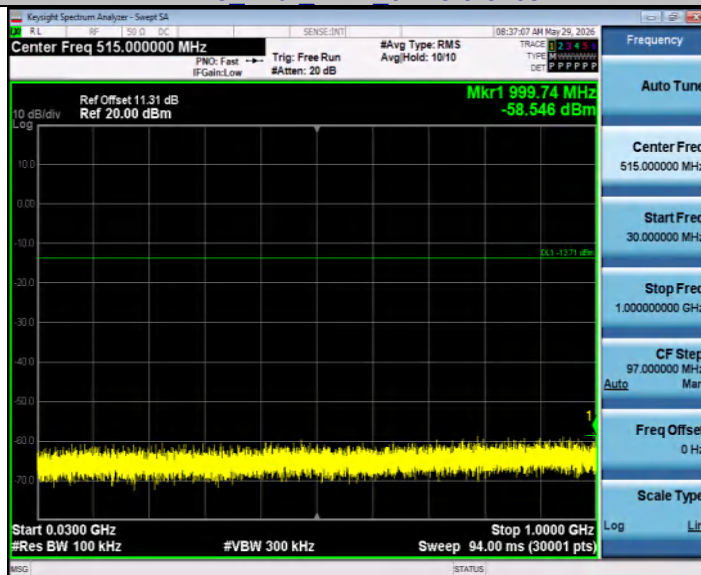




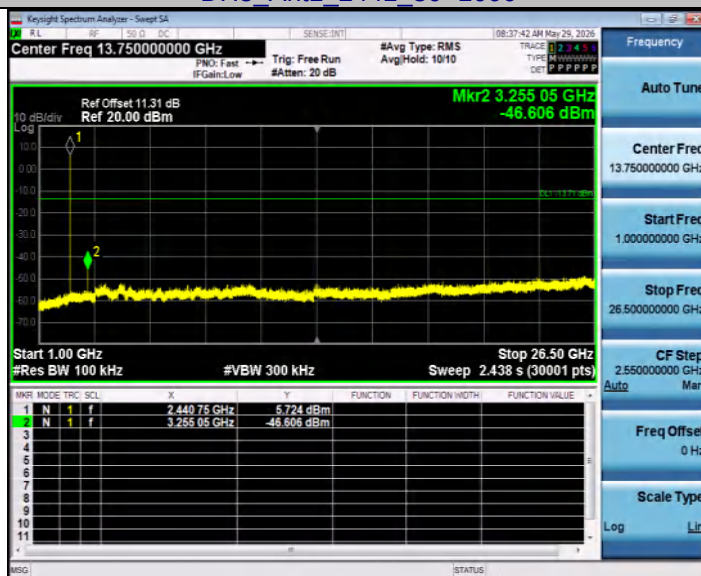
DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0~Reference



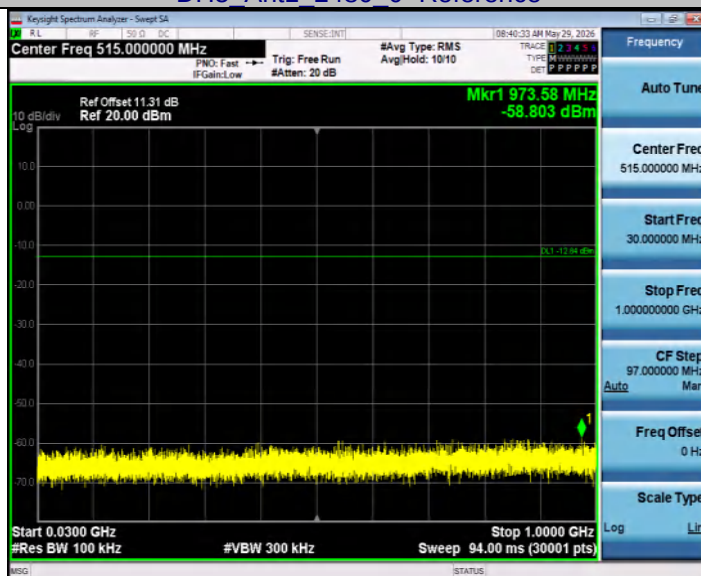
DH5_Ant1_2441_30~1000



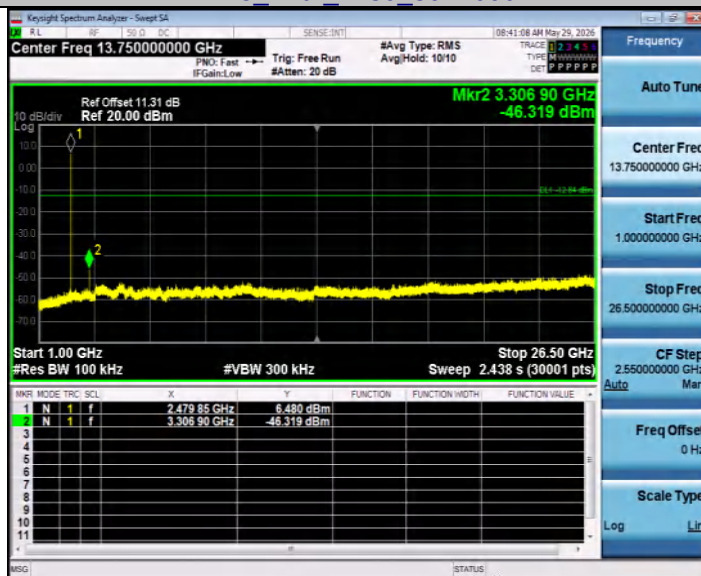
DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



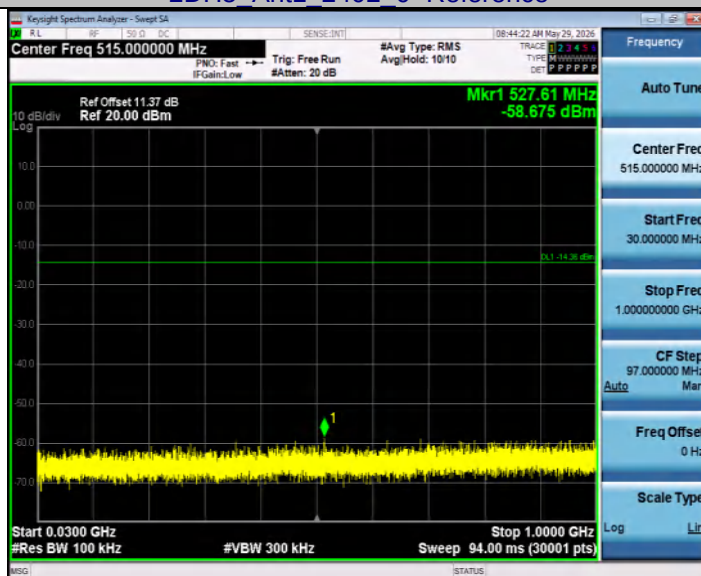
DH5_Ant1_2480_30~1000



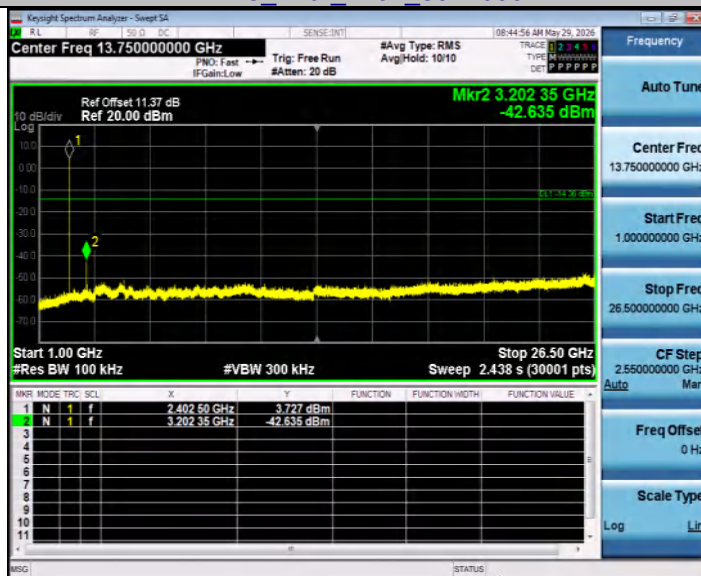
DH5_Ant1_2480_1000~26500



2DH5 Ant1 2402 0~Reference



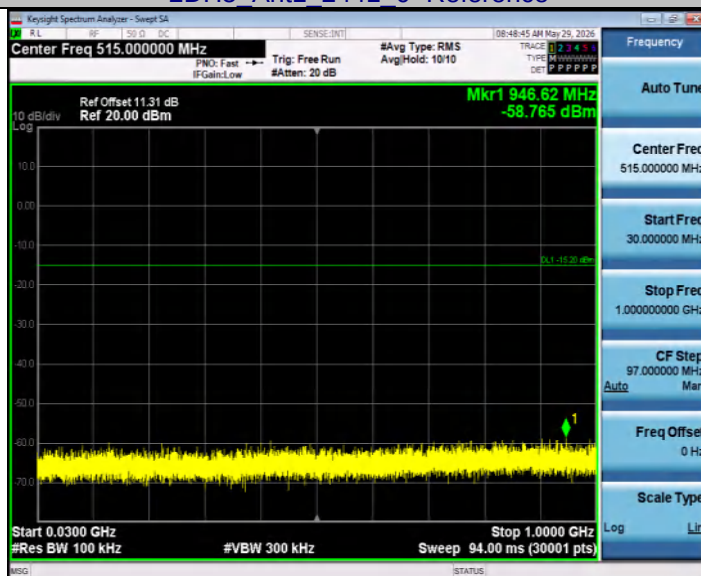
2DH5 Ant1 2402 30~1000



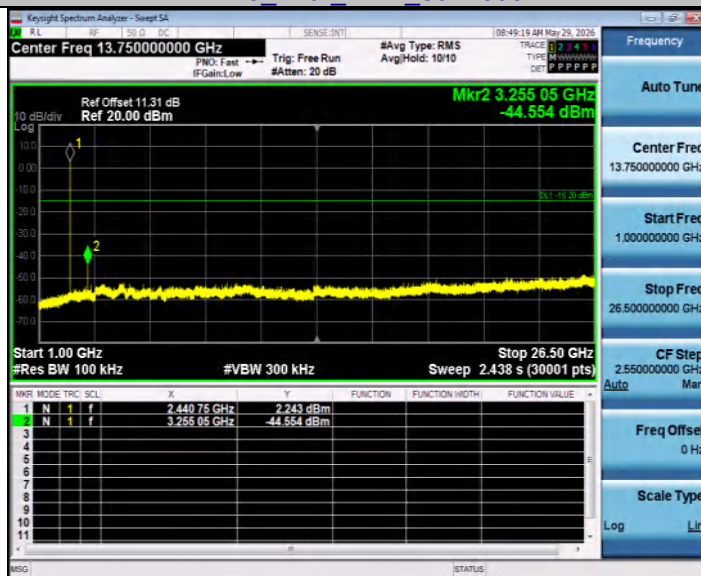
2DH5 Ant1 2402 1000~26500



2DH5 Ant1 2441 0~Reference



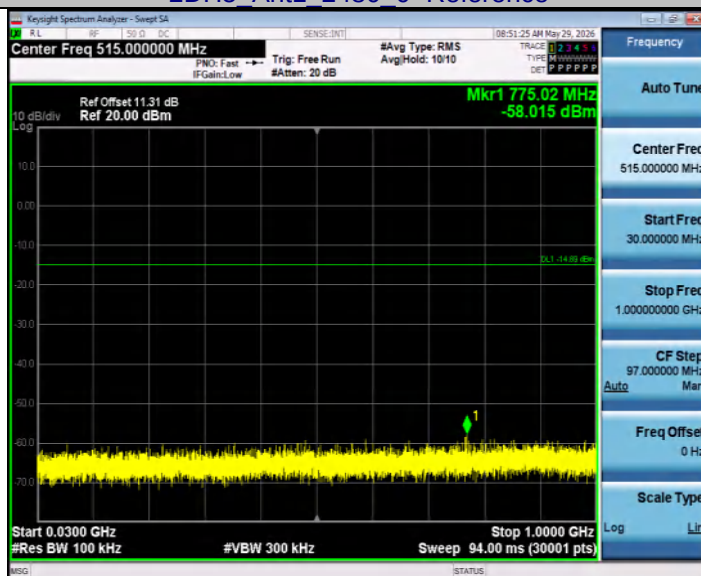
2DH5 Ant1 2441 30~1000



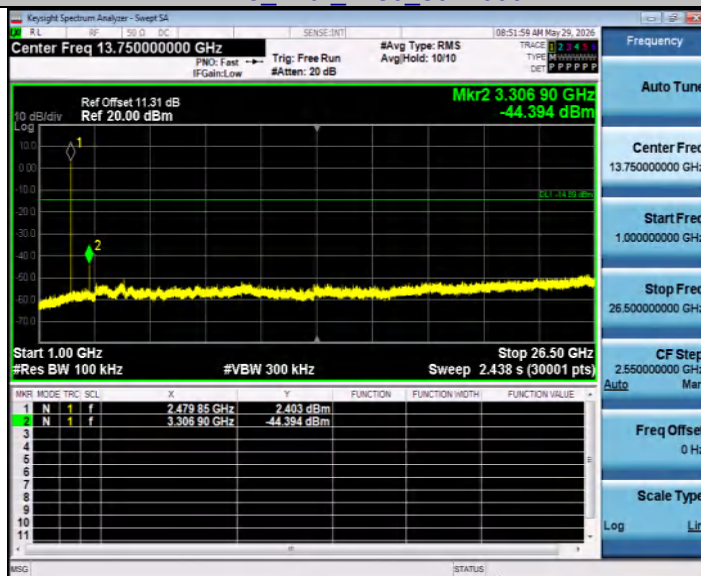
2DH5 Ant1 2441 1000~26500



2DH5 Ant1 2480 0~Reference



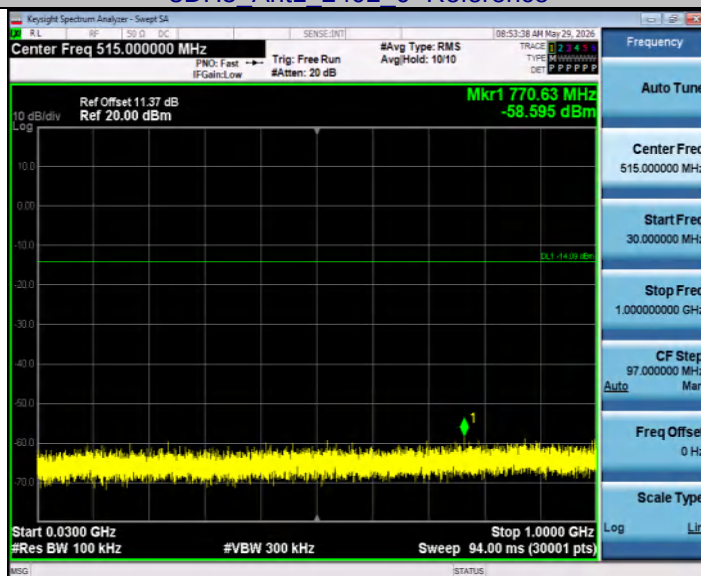
2DH5 Ant1 2480 30~1000



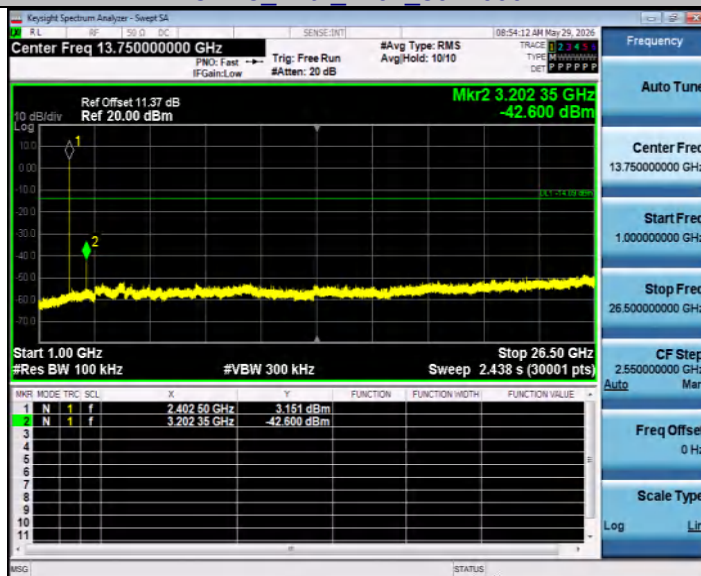
2DH5 Ant1 2480 1000~26500



3DH5_Ant1_2402_0~Reference



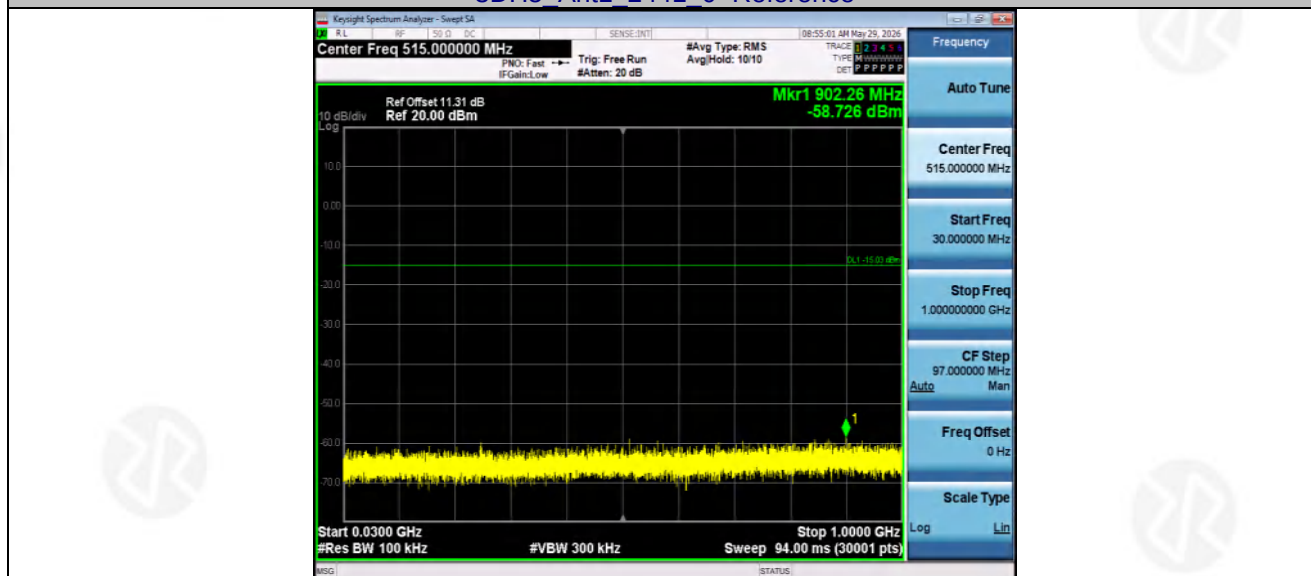
3DH5_Ant1_2402_30~1000



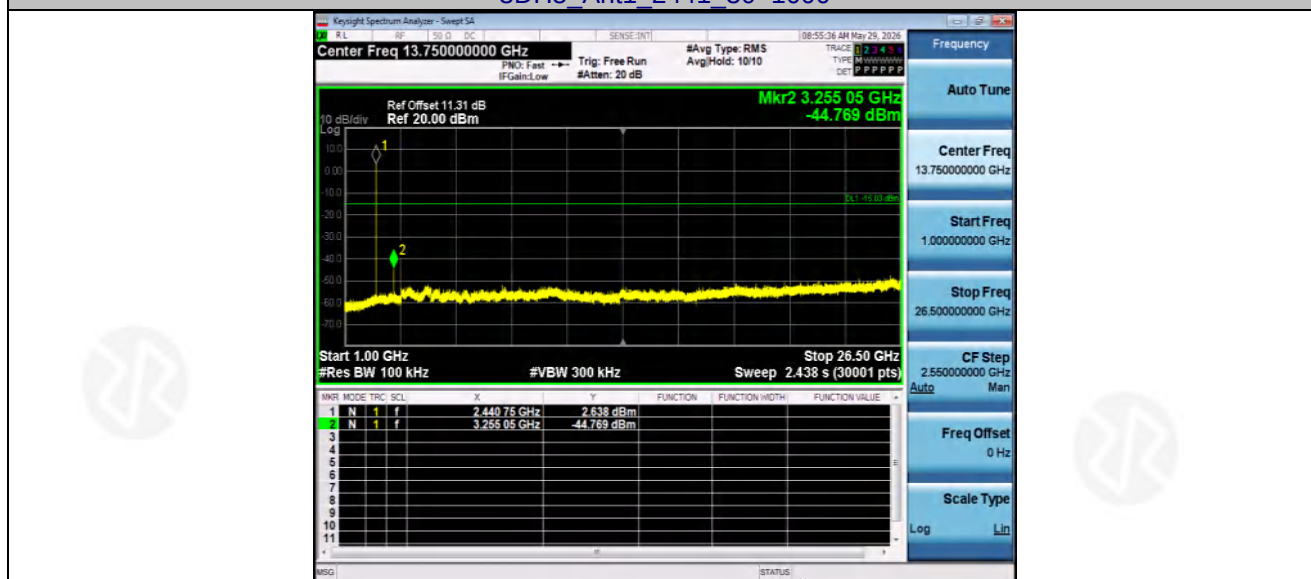
3DH5_Ant1_2402_1000~26500



3DH5 Ant1 2441 0~Reference



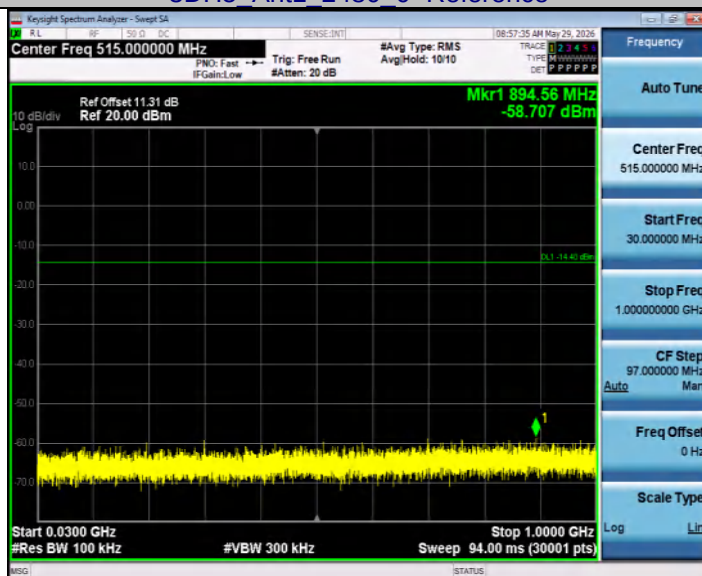
3DH5 Ant1 2441 30~1000



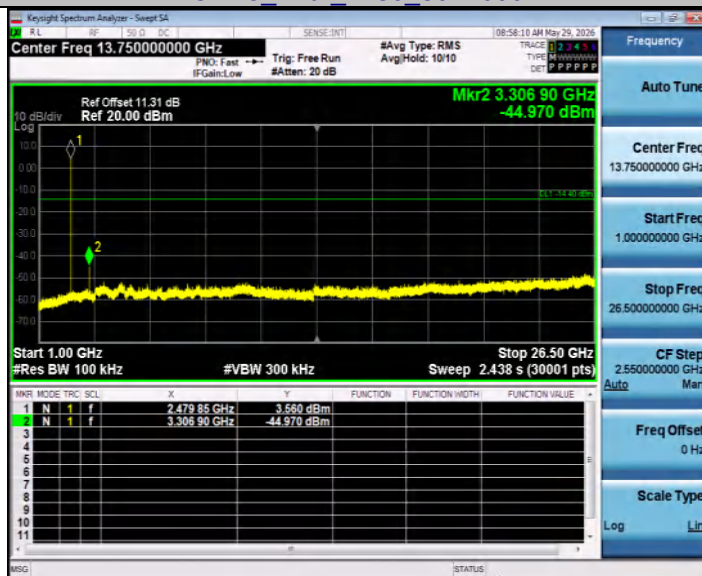
3DH5 Ant1 2441 1000~26500



3DH5 Ant1 2480 0~Reference



3DH5 Ant1 2480 30~1000



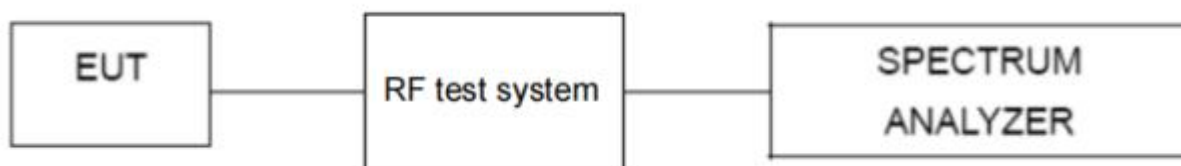
3DH5 Ant1 2480 1000~26500



7. 20dB Bandwidth

Test Requirement:	FCC Part 15C Section 15.247 (a)(1)
Test Method:	ANSI C63.10-2020+Cor 1-2023

7.1 Test Setup



7.2 Limit

N/A

7.3 Test procedure

1. Set RBW = 30 kHz.
2. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 20 dB relative to the maximum level measured in the fundamental emission.

7.4 DEVIATION FROM STANDARD

No deviation.



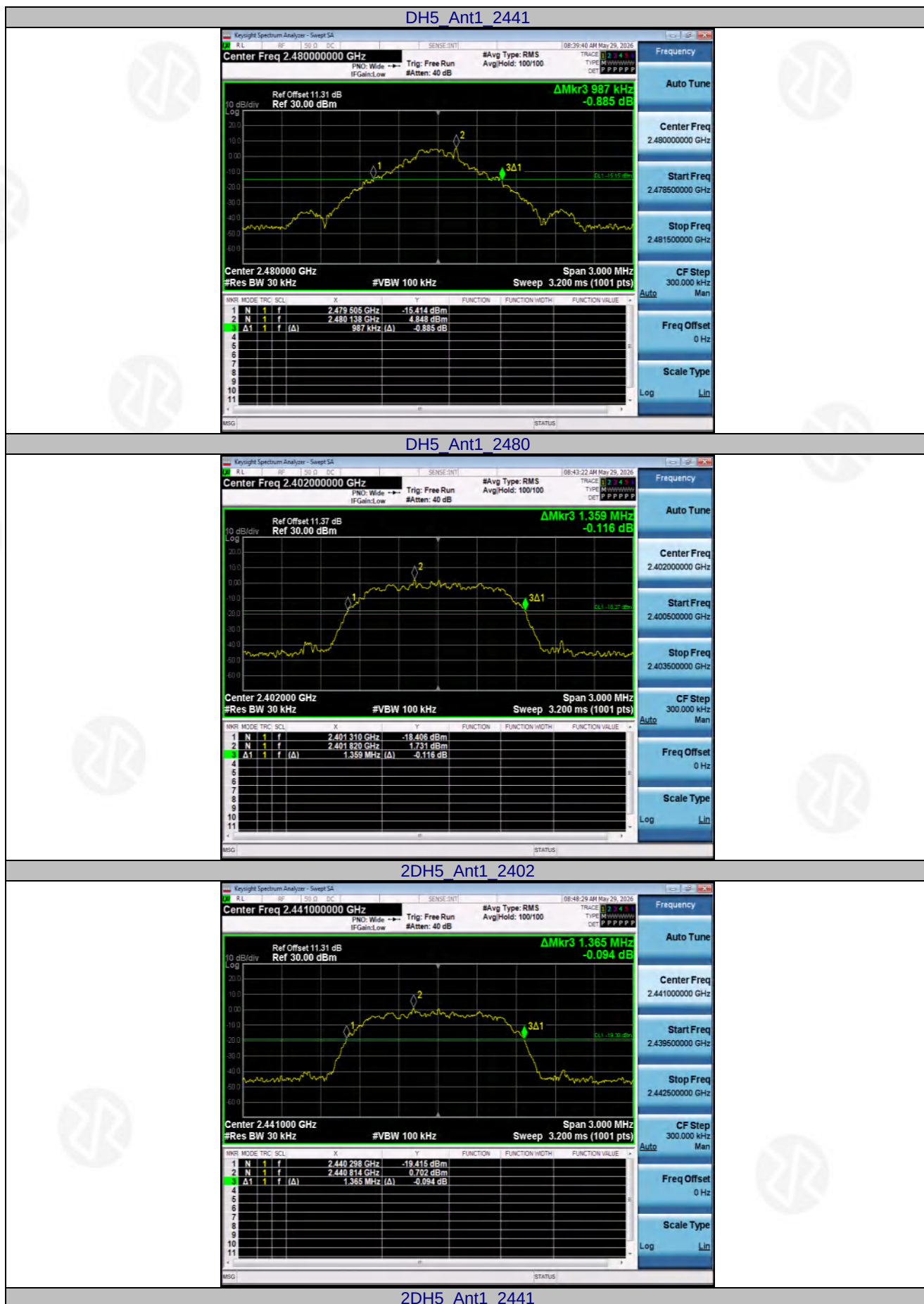
7.5 Test Result

Test Mode	Antenna	Freq (MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	1.017	2401.466	2402.483	---	---
		2441	0.999	2440.466	2441.465	---	---
		2480	0.987	2479.505	2480.492	---	---
2DH5	Ant1	2402	1.359	2401.310	2402.669	---	---
		2441	1.365	2440.298	2441.663	---	---
		2480	1.356	2479.295	2480.651	---	---
3DH5	Ant1	2402	1.323	2401.328	2402.651	---	---
		2441	1.350	2440.301	2441.651	---	---
		2480	1.293	2479.316	2480.609	---	---



DH5 Ant1 2402







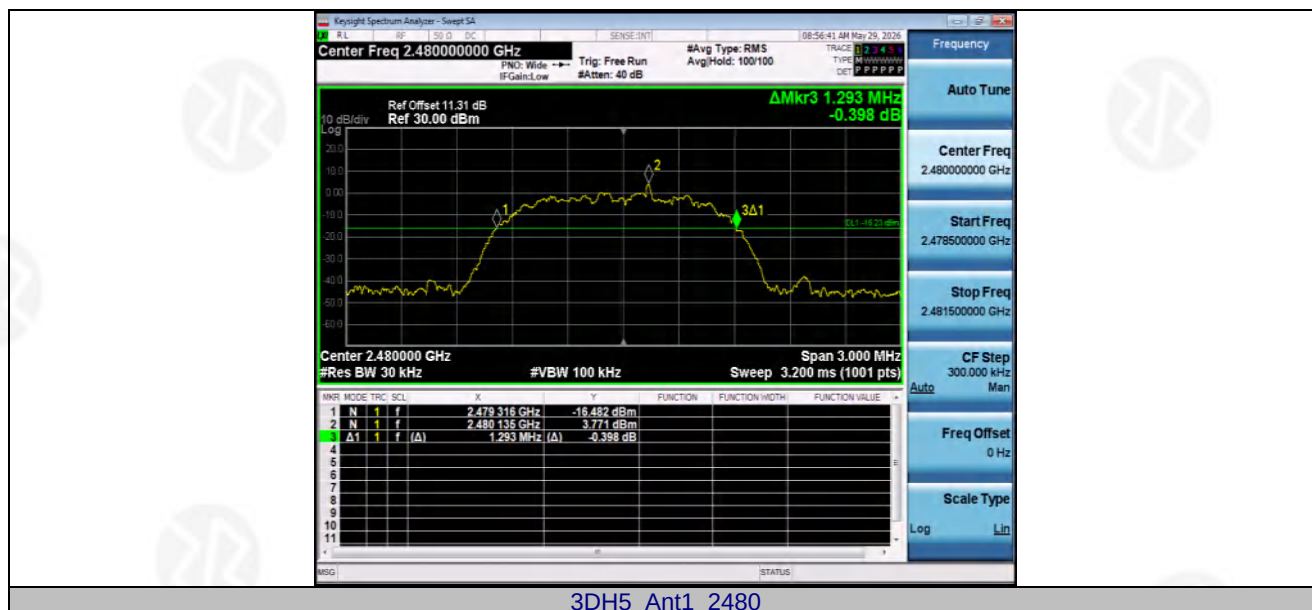
2DH5 Ant1 2480



3DH5 Ant1 2402



3DH5 Ant1 2441

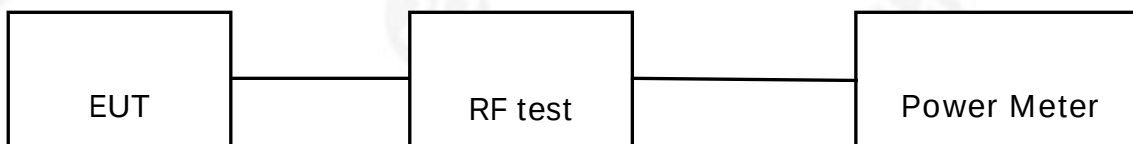




8. Maximum Peak Output Power

Test Requirement:	FCC Part 15C Section 15.247 (b)(1)
Test Method:	ANSI C63.10-2020+Cor 1-2023
Limit:	GFSK:30 dBm $\pi/4$ -DQPSK & 8-DPSK:20.97 dBm

8.1 Block Diagram Of Test Setup



8.2 Limit

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.

For FHSs operating in the band 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1.0 W if the hopset uses 75 or more hopping channels; the maximum peak conducted output power shall not exceed 0.125 W if the hopset uses less than 75 hopping channels. The e.i.r.p. shall not exceed 4 W.

8.3 Test procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the Power Meter.
2. Keep the EUT in transmitting at lowest, medium and highest channel individually. Record the max value.

8.4 DEVIATION FROM STANDARD

No deviation.



8.5 Test Result

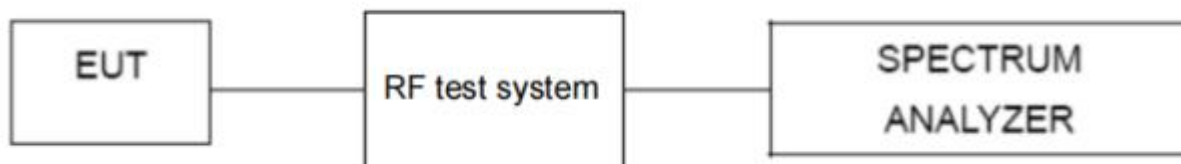
Test Mode	Antenna	Freq (MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	7.55	≤20.97	PASS
		2441	7.41	≤20.97	PASS
		2480	7.22	≤20.97	PASS
2DH5	Ant1	2402	8.79	≤20.97	PASS
		2441	7.96	≤20.97	PASS
		2480	8.47	≤20.97	PASS
3DH5	Ant1	2402	9.34	≤20.97	PASS
		2441	8.49	≤20.97	PASS
		2480	9.02	≤20.97	PASS



9. HOPPING CHANNEL SEPARATION

Test Requirement:	FCC Part 15C Section 15.247 (a)(1)
Test Method:	ANSI C63.10-2020+Cor 1-2023
Receiver setup:	RBW=30KHz, VBW=100KHz, detector=Peak
Limit:	GFSK: 20dB bandwidth $\pi/4$ -DQPSK & 8DSK: 0.025MHz or 2/3 of the 20dB bandwidth (whichever is greater)

9.1 Test Setup



9.2 Test procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.
2. Set the spectrum analyzer: RBW = 30kHz. VBW = 100kHz, Span = 3.0MHz. Sweep = auto; Detector Function = Peak. Trace = Max hold.
3. Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. The limit is specified in one of the subparagraphs of this Section Submit this plot.

9.3 DEVIATION FROM STANDARD

No deviation.



9.4 Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.684	≥ 0.678	PASS
2DH5	Ant1	Hop	1.214	≥ 0.910	PASS
3DH5	Ant1	Hop	1.006	≥ 0.900	PASS



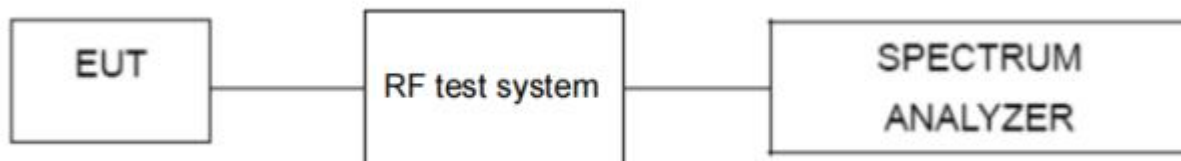




10. NUMBER OF HOPPING FREQUENCY

Test Requirement:	FCC Part 15C Section 15.247 (a)(1)(iii)
Test Method:	ANSI C63.10-2020+Cor 1-2023
Receiver setup:	RBW=100kHz, VBW=300kHz, Frequency range=2400MHz-2483.5MHz, Detector=Peak
Limit:	GFSK: 75 channels π /4-DQPSK, 8-DPSK: 15 channels

10.1 Test Setup



10.2 Test procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.
2. Set the spectrum analyzer: RBW = 100kHz. VBW = 300kHz. Sweep = auto; Detector Function = Peak. Trace = Max hold.
3. Allow the trace to stabilize. It may prove necessary to break the span up to sections. in order to clearly show all of the hopping frequencies. The limit is specified in one of the subparagraphs of this Section.
4. Set the spectrum analyzer: Start Frequency = 2.4GHz, Stop Frequency = 2.4835GHz. Sweep=auto;

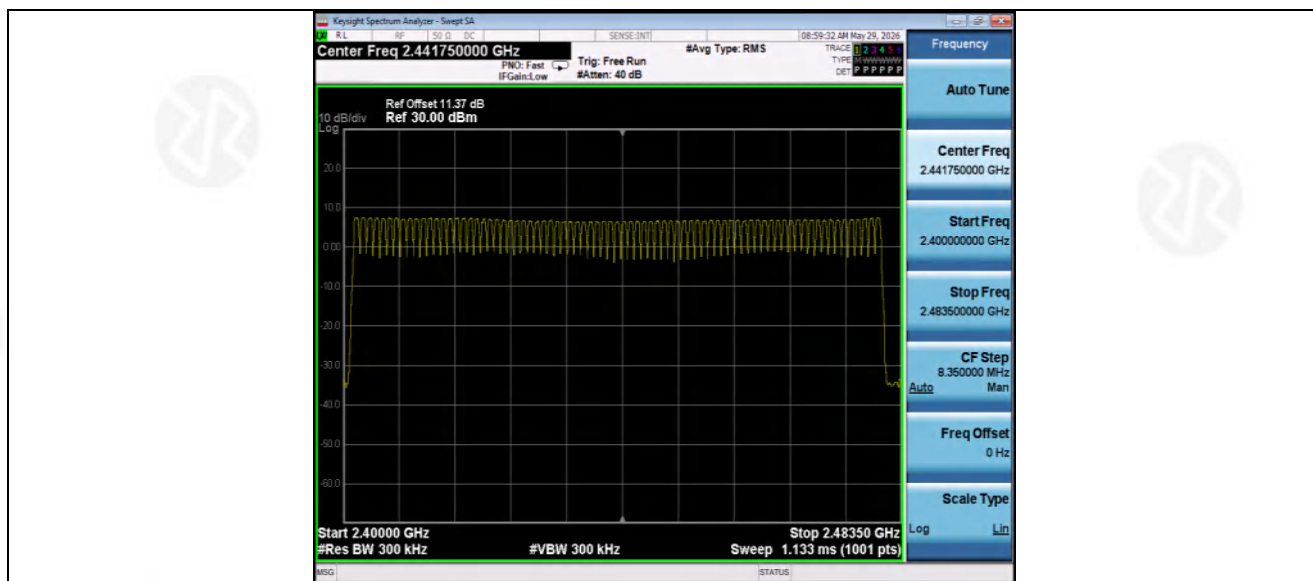
10.3 DEVIATION FROM STANDARD

No deviation.

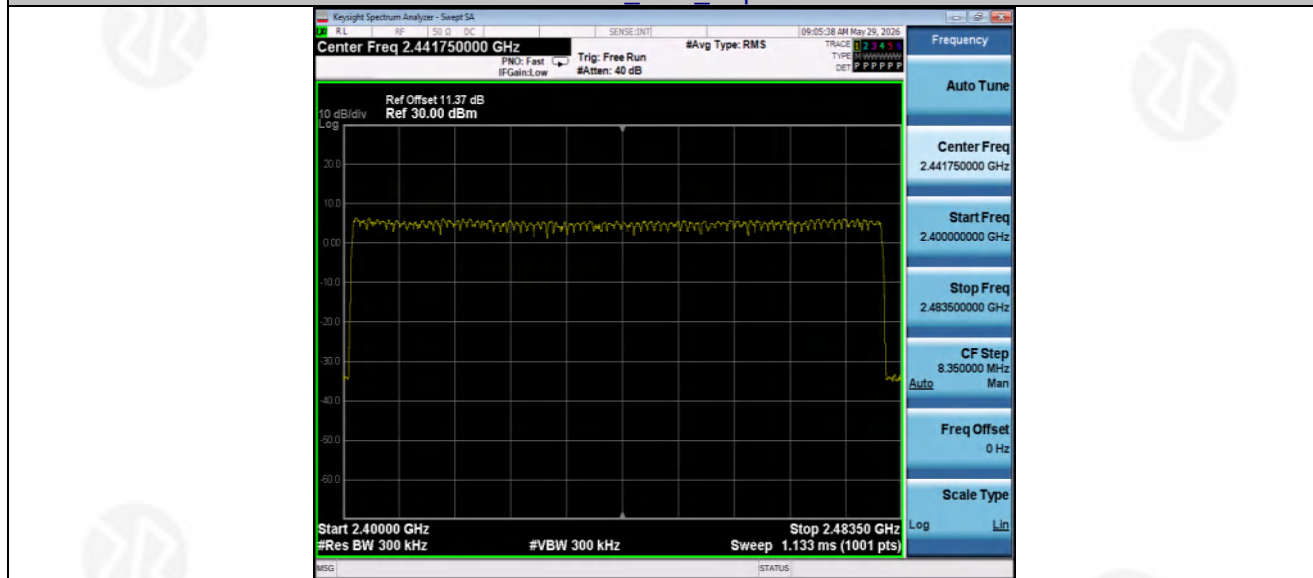


10.4 Test Result

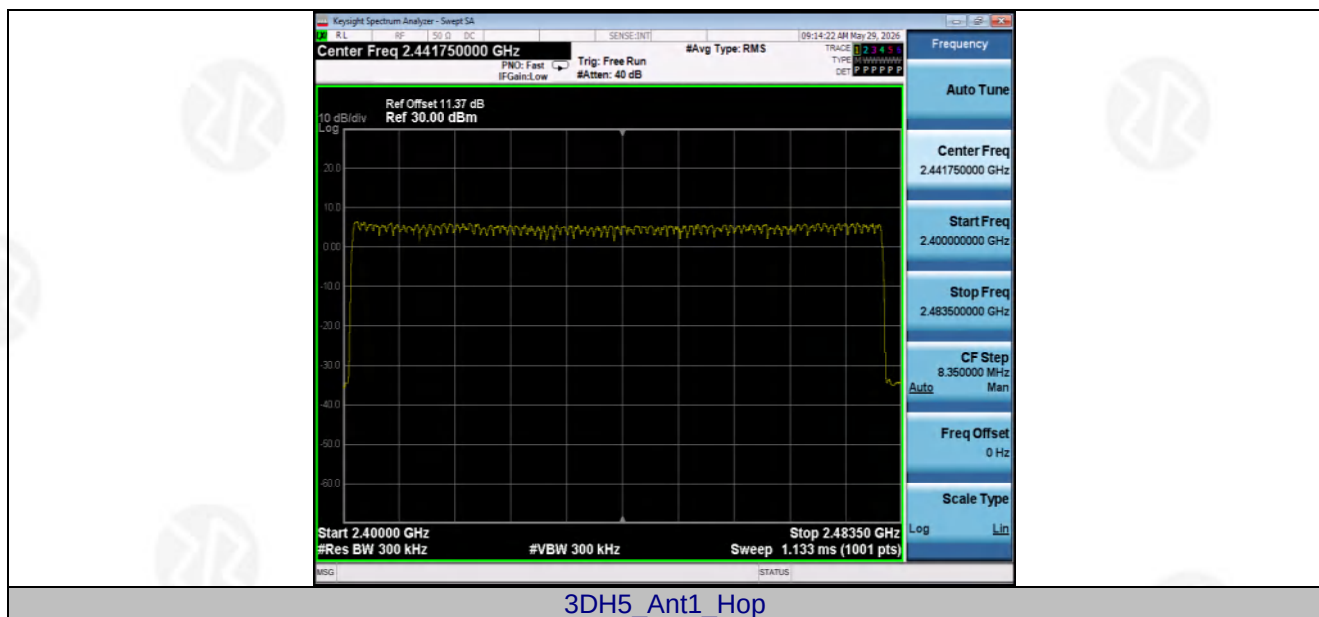
Test Mode	Antenna	Freq (MHz)	Result [Num]	Limit [Num]	Verdict
DH5	Ant1	Hop	79	≥ 15	PASS
2DH5	Ant1	Hop	79	≥ 15	PASS
3DH5	Ant1	Hop	79	≥ 15	PASS



DH5_Ant1_Hop



2DH5_Ant1_Hop

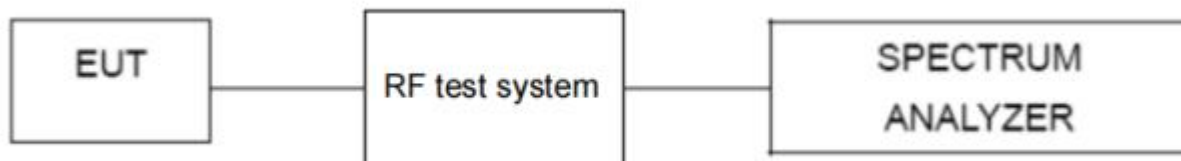




11. DWELL TIME

Test Requirement:	FCC Part 15C Section 15.247 (a)(1)(iii)
Test Method:	ANSI C63.10-2020+Cor 1-2023
Receiver setup:	RBW=1MHz, VBW=3MHz, Span=0Hz, Detector=Peak
Limit:	0.4 Second

11.1 Test Setup



11.2 Test procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.
2. Set spectrum analyzer span = 0Hz;
3. Set RBW = 1MHz and VBW = 3MHz. Sweep = as necessary to capture the entire dwell time per hopping channel. Set the EUT for DH1, DH3, DH5; 2DH1, 2DH3, 2DH5; 3DH1, 3DH3, 3DH5 packet transmitting.
4. Use the marker-delta function to determine the dwell time. If this value varies with different modes of operation (e.g. data rate, modulation format, etc.). repeat this test for each variation. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s).

11.3 DEVIATION FROM STANDARD

No deviation.



11.4 Test Result

Test Mode	Antenna	Freq (MHz)	Burst Width[ms]	Total Hops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.381	320	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.637	160	0.262	≤0.4	PASS
DH5	Ant1	Hop	2.885	106.67	0.308	≤0.4	PASS
2DH1	Ant1	Hop	0.388	320	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.639	160	0.262	≤0.4	PASS
2DH5	Ant1	Hop	2.887	106.67	0.308	≤0.4	PASS
3DH1	Ant1	Hop	0.386	320	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.637	160	0.262	≤0.4	PASS
3DH5	Ant1	Hop	2.888	106.67	0.308	≤0.4	PASS

Remarks:

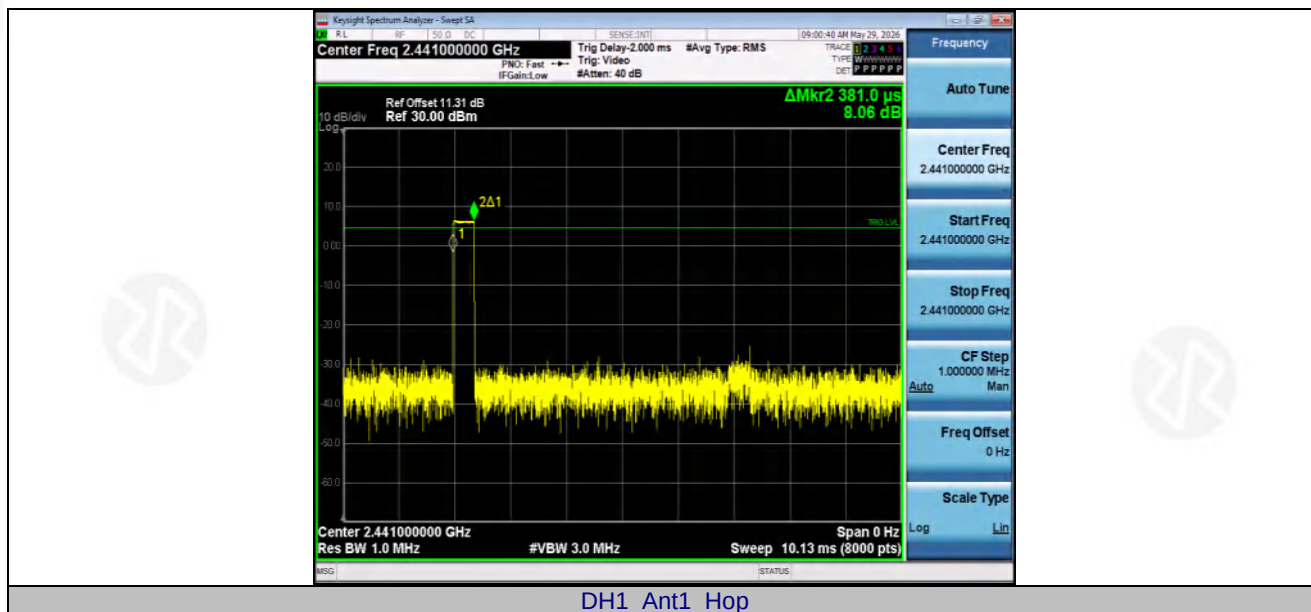
The test period: $T = 0.4 \text{ Second/Channel} \times 79 \text{ Channel} = 31.6 \text{ s}$

Total Dwell time:

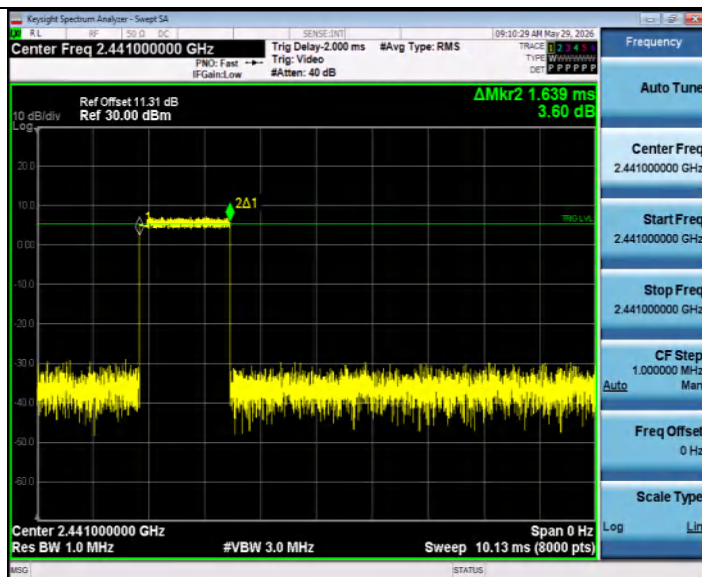
DH1/2DH1/3DH1=testing time(ms)*(1600/ (2*79))*31.6

DH3/2DH3/3DH3=testing time(ms)*(1600/ (4*79))*31.6

DH5/2DH5/3DH5=testing time(ms)*(1600/ (6*79))*31.6



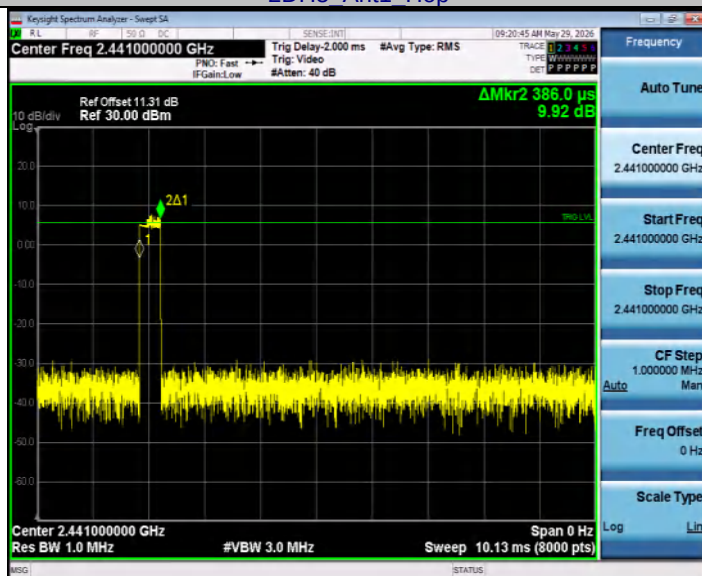




2DH3_Ant1_Hop



2DH5_Ant1_Hop



3DH1_Ant1_Hop





12. Antenna Requirement

Standard requirement:	FCC Part 15C Section 15.203 /247(c)
15.203 requirement: 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. 15.247(c) (1)(i) requirement: (i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.	
EUT Antenna:	
The antenna is FPC Antenna, the best case gain of the antennas is 2.48dBi, reference to the appendix II for details	



13. Test Setup Photo

Reference to the appendix I for details.

14. EUT Constructional Details

Reference to the appendix II for details.

***** END OF REPORT *****