FCC TEST REPORT
FCC ID:2BO7E-CK3-PLUS

Report No.....	:	ZHT-250327002W02-1
Product.....	:	Pathfinder MotoNavAI
Trademark.....	:	Cokima
Model(s).....	:	CK3-PLUS, CK3-Pro
Model Difference.....	:	CK3-PLUS is tested model, other models are derivative models .The models are identical in circuit, only different on the model names. So the test data of CK3-PLUS can represent the remaining models.
Applicant.....	:	Cokima Technology(Shenzhen)Co.,Ltd
Address.....	:	1805, Unit 2, Building 1, Lechuanghui Building, 1211, Guihua Community Sightseeing Road, Guanlan Street, Longhua District, Shenzhen, China
Manufacturer.....	:	Cokima Technology(Shenzhen)Co.,Ltd
Address.....	:	1805, Unit 2, Building 1, Lechuanghui Building, 1211, Guihua Community Sightseeing Road, Guanlan Street, Longhua District, Shenzhen, China
Prepared by.....	:	Guangdong Zhonghan Testing Technology Co., Ltd.
Address.....	:	Room 104/201, Building 1, Yibaolai Industrial Park, Qiaotou, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Date of Receipt.....	:	May 7, 2025
Date of Test(s).....	:	May 7, 2025 to Jun. 4, 2025
Date of Issue.....	:	Jun. 4, 2025
Test Standard(s).....	:	FCC CFR Title 47 Part 15 Subpart C Section 15.247
Test procedure.....		ANSI C63.10:2013

In the configuration tested, the EUT complied with the standards specified above.

Tested by:	Reviewed by:	Approved by:
Leon Li	Baret Wu	Levi Lee
Leon Li/ Engineer	Baret Wu/ Director	Levi Lee/ Manager

Note: The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report shall not be reproduced except in full, without prior written approval of ZHT. This document may be altered or revised by ZHT, personnel only, and shall be noted in the revision of the document.

Table of Contents

1. VERSION

Report No.	Version	Description	Approved
ZHT-250327002W02-1	Rev.01	Initial issue of report	Jun. 4, 2025

2. TEST SUMMARY

Test procedures according to the technical standards:

FCC Part15 (15.247) , Subpart C			
Standard Section	Test Item	Result	Remark
FCC part 15.203/15.247 (b)(4)	Antenna Requirement	PASS	
15.207	AC Power Line Conducted Emission	N/A	
15.247 (b)(1)	Conducted Peak Output Power	PASS	
15.247 (a)(1)	20dB Occupied Bandwidth 99% OCB	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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Product Name:	Pathfinder MotoNavAI
Test Model No.:	CK3-PLUS
Hardware Version:	V1.0
Software Version:	V1.0
Sample(s) Status:	Engineer sample
Channel numbers:	79
Channel separation:	2402MHz-2480MHz
Modulation technology:	GFSK, π/4DQPSK, 8DPSK
Antenna Type:	FPC antenna
Antenna gain:	3.11dBi
Power supply:	Input: DC 12 V
Sample Number:	250327002YP-001
Remark:The antenna gain is provided by the customer, if the data provided by the customer is not accurate, Guangdong Zhonghan Testing Technology Co., Ltd. does not assume any responsibility.	

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

Radiated Emission

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	Mfr/Brand	Model/Type No.	Series No.	Note

Item	Shielded Type	Ferrite Core	Length	Note

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) he test software is the Bluetooth RF Test Tool Version: 5.2.4.18 which can set the EUT into the individual test modes.TX Power:Default.

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.	

4. TEST FACILITY AND TEST INSTRUMENT USED

4.1 TEST FACILITY

Guangdong Zhonghan Testing Technology Co., Ltd.
Add. : Room 104/201, Building 1, Yibaolai Industrial Park, Qiaotou, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

FCC Registration Number:255941
Designation Number: CN0325
IC Registered No.: 29832
CAB identifier: CN0143

4.2 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Item	Equipment	Manufacturer	Model	Serial No.	Last Cal.	Next Cal.
1	Receiver	R&S	ESCI	100874	May 6, 2025	May 5, 2026
2	Loop Antenna	TESEQ	HLA6121	58357	Oct. 11, 2024	Oct. 10, 2025
3	Amplifier	Schwarzbeck	BBV 9743 B	00378	May 6, 2025	May 5, 2026
4	Amplifier	Schwarzbeck	BBV 9718 B	00040	May 7, 2025	May 6, 2026
5	Bilog Antenna	Schwarzbeck	VULB9162	00498	May 28, 2024	May 27, 2025
6	Horn Antenna	Schwarzbeck	BBHA9120D	02623	May 16, 2024	May 15, 2025
7	Horn Antenna	A.H.SYSTEMS	SAS574	588	Oct. 21, 2024	Oct. 20, 2025
8	Amplifier	AEROFLEX	100KHz-40GHz	097	Oct. 21, 2024	Oct. 20, 2025
9	Spectrum Analyzer	R&S	FSV40	101413	Oct. 21, 2024	Oct. 20, 2025
10	Spectrum Analyzer	KEYSIGHT	N9020A	MY53420208	May 7, 2025	May 6, 2026
11	WIDBAND RADIO COMMUNICATION TESTER	R&S	CMW500	109863	May 7, 2025	May 6, 2026
12	Single Generator	Agilent	N5182A	MY48180575	May 7, 2025	May 6, 2026
13	MWRF Power Meter Test system	MW	MW100-RFCB	/	May 7, 2025	May 6, 2026
14	Power Amplifier Shielding Room	EMToni	2m3m3m	/	Nov. 25, 2021	Nov. 24, 2026
15	CABLE	EMToni	DA800-NM-NM-11000MM	/	May 6, 2025	May 5, 2026

Conduction Test equipment

Equipment	Manufacturer	Model	Serial No.	Last Cal.	Next Cal.
Receiver	R&S	ESCI	100874	May 6, 2025	May 5, 2026
LISN	R&S	ENV216	102794	May 6, 2025	May 5, 2026
ISN CAT 6	Schwarzbeck	NTFM 8158	00318	May 7, 2025	May 6, 2026
ISN CAT 5	Schwarzbeck	CAT5 8158	00343	May 7, 2025	May 6, 2026
Capacitive Voltage Probe	Schwarzbeck	CVP 9222 C	00101	May 8, 2025	May 7, 2026
Current Transformer Clamp	Schwarzbeck	SW 9605	SW9605 #209	May 8, 2025	May 7, 2026
CABLE	EMToni	G223-NM-BNCM -2000MM	/	May 7, 2025	May 6, 2026

Conducted Test equipment

Item	Equipment	Manufacturer	Model	Serial No.	Last Cal.	Next Cal.
1	Spectrum Analyzer	R&S	FSV40	101413	Oct. 21, 2024	Oct. 20, 2025
2	Spectrum Analyzer	KEYSIGHT	N9020A	MY53420208	May 7, 2025	May 6, 2026
3	Power Sensor	MWRFtest	MW100-RFCB	/	May 7, 2025	May 6, 2026

4.3 Testing software

Project	Software name	Edition
RF Conducted	MTS 8310	2.0.0.0
Conducted Emission	EZ-EMC	EMC-CON 3A1.1+
Radiated Emission	EZ-EMC	FA-03A2 RE+

4.4 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y ± 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	Conducted Emission Test	±1.38dB
2	RF conducted power	±0.16dB
3	Conducted spurious emissions	±0.21dB
4	All radiated emissions (9k-30MHz)	±4.68dB
5	All radiated emissions (<1G)	±4.68dB
6	All radiated emissions (>1G)	±4.89dB
7	Temperature	±0.5°C
8	Humidity	±2%
9	Occupied Bandwidth	±4.96dB

Decision Rule

☒ Uncertainty is not included

☐ Uncertainty is included

5. EMC EMISSION TEST

5.1 Conducted emissions

Test Requirement:	FCC Part15 C Section 15.207, RSS-Gen 8.8
Test Method:	ANSI C63.10:2013
Test Frequency Range:	150KHz to 30MHz
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto

5.1.1 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.

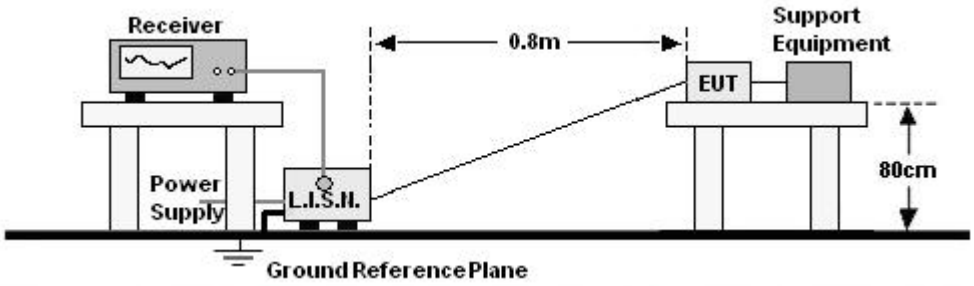
5.1.2 TEST PROCEDURE

a. 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.
b. 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.
c. 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.
d. LISN at least 80 cm from nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

5.1.3 DEVIATION FROM TEST STANDARD

No deviation

5.1.4 TEST SETUP



5.1.5 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.

5.1.6 Test Result

The Product is powered by the DC only, the test item is not applicable.

5.2 Radiated emissions

Test Requirement:	FCC Part15 C Section 15.209, RSS-Gen 8.9, RSS-Gen 8.10
Test Method:	ANSI C63.10:2013
Test Frequency Range:	9kHz to 25GHz
Test site:	Measurement Distance: 3m
Receiver setup:	

Frequency	Detector	RBW	VBW	Value
9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
	Average	1MHz	10Hz	Average

5.2.1 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).

5.2.2 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 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 (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:

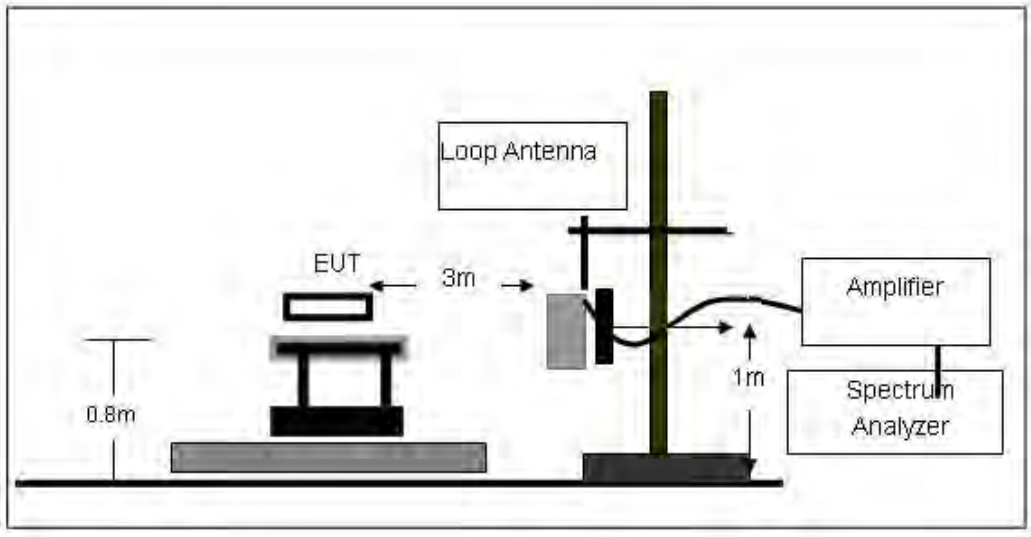
Both horizontal and vertical antenna polarities were tested
and performed pretest to three orthogonal axis. The worst case emissions were reported

5.2.3 DEVIATION FROM TEST STANDARD

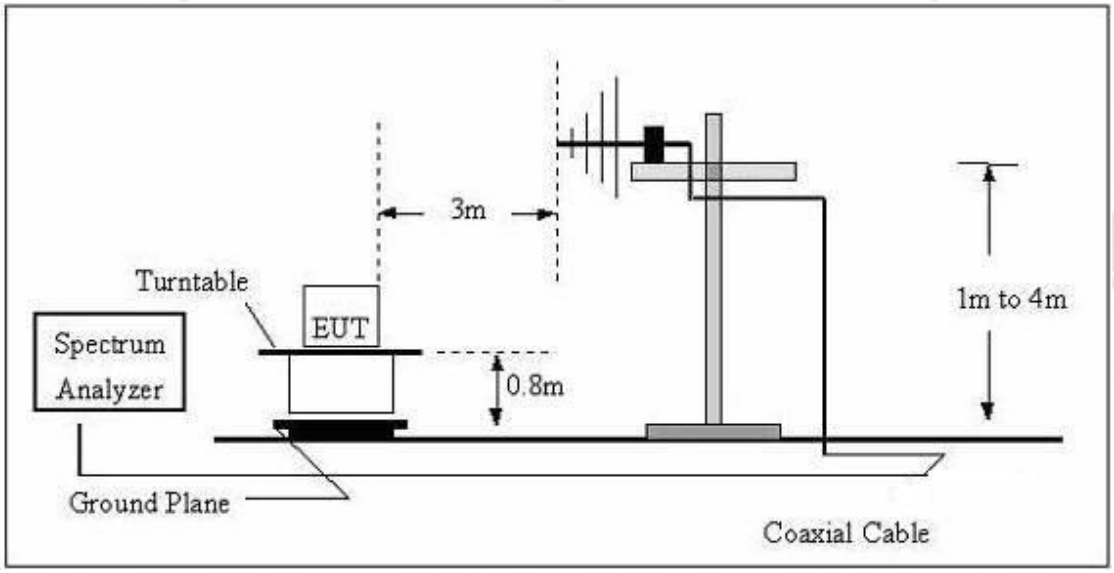
No deviation

5.2.4 TEST SETUP

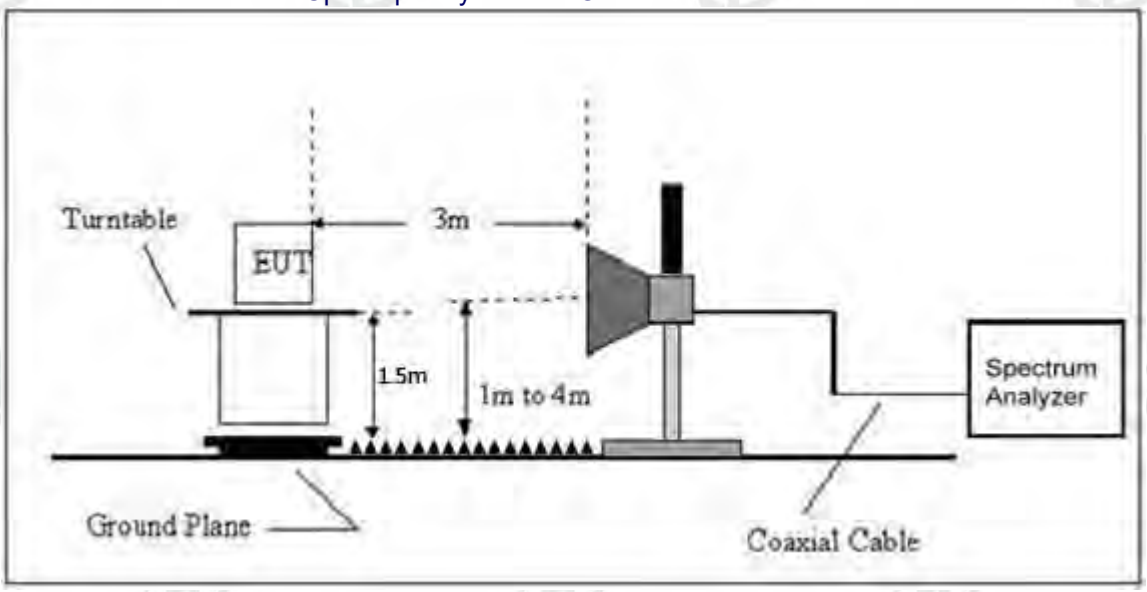
（A）Radiated Emission Test-Up Frequency Below 30MHz



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



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



5.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

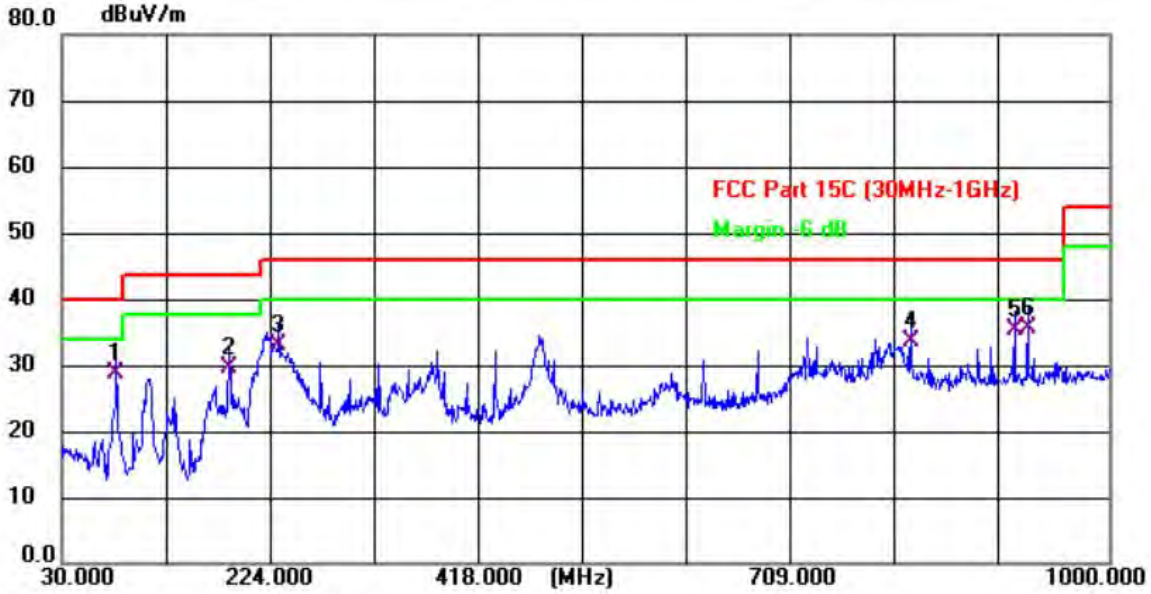
5.2.6 TEST RESULTS

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), the test result no need to reported.

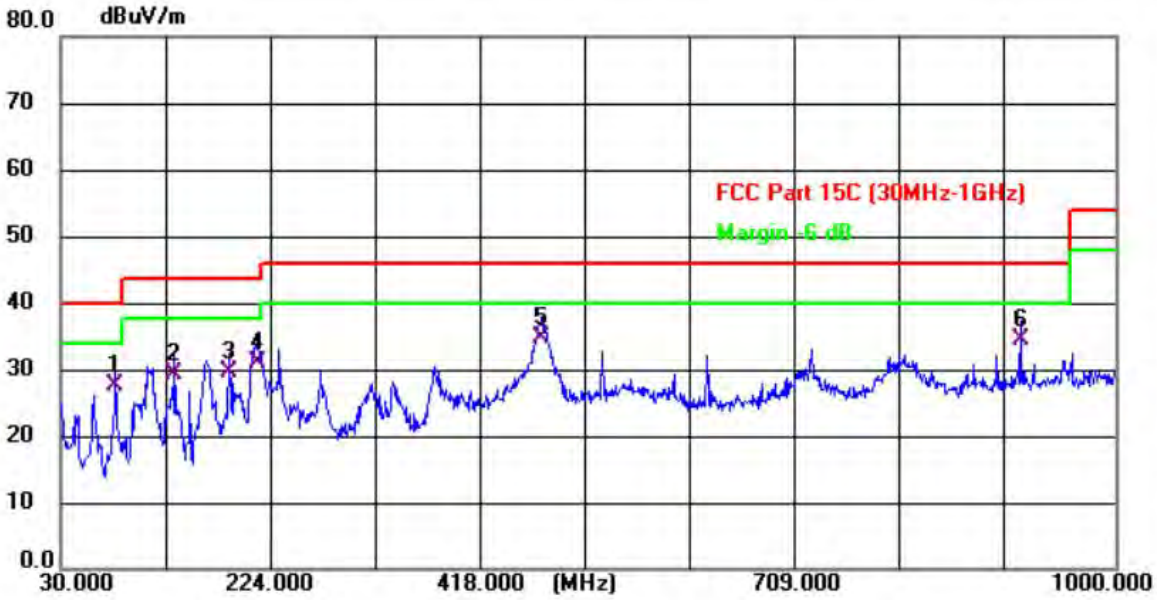
Between 30MHz – 1GHz

Temperature:	25.2℃	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12 V		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	80.440	42.93	-14.30	28.63	40.00	-11.37	QP
2	185.200	41.62	-12.14	29.48	43.50	-14.02	QP
3	230.790	43.00	-9.98	33.02	46.00	-12.98	QP
4	816.670	32.36	1.31	33.67	46.00	-12.33	QP
5	912.700	32.51	2.73	35.24	46.00	-10.76	QP
6 *	925.310	32.75	2.86	35.61	46.00	-10.39	QP

Temperature:	25.2℃	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12 V		

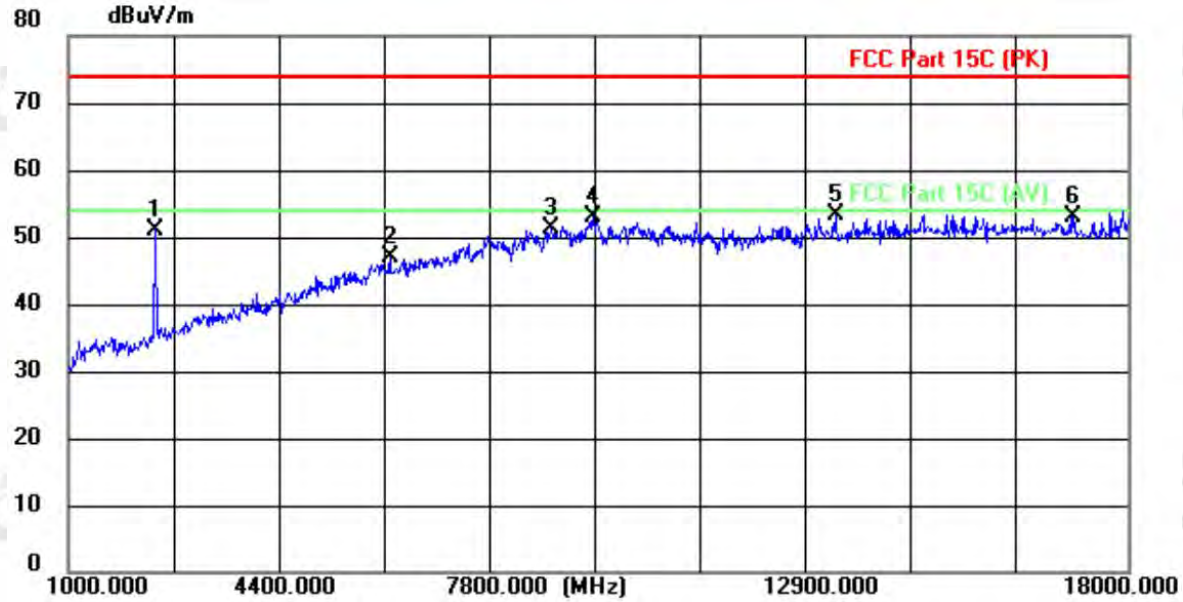


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	80.440	42.01	-14.30	27.71	40.00	-12.29	QP
2	134.760	42.80	-13.52	29.28	43.50	-14.22	QP
3	185.200	41.65	-12.14	29.51	43.50	-13.99	QP
4	210.420	41.61	-10.75	30.86	43.50	-12.64	QP
5 *	472.320	39.39	-4.65	34.74	46.00	-11.26	QP
6	912.700	31.62	2.73	34.35	46.00	-11.65	QP

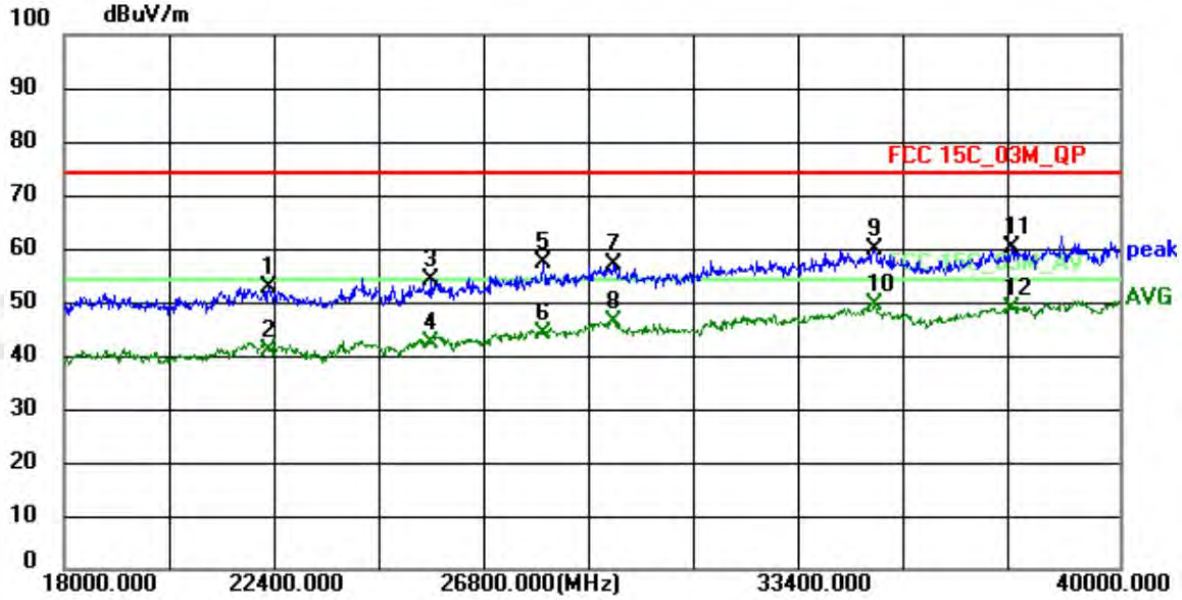
Remarks:
1.Final Level =Receiver Read level + Antenna Factor + Cable Loss
2.The emission levels of other frequencies are very lower than the limit and not show in test report.
3.The test data shows only the worst case 8DPSK mode(Low Channel:2402MHz).

1GHz to 40GHz:

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	GFSK-2402MHz

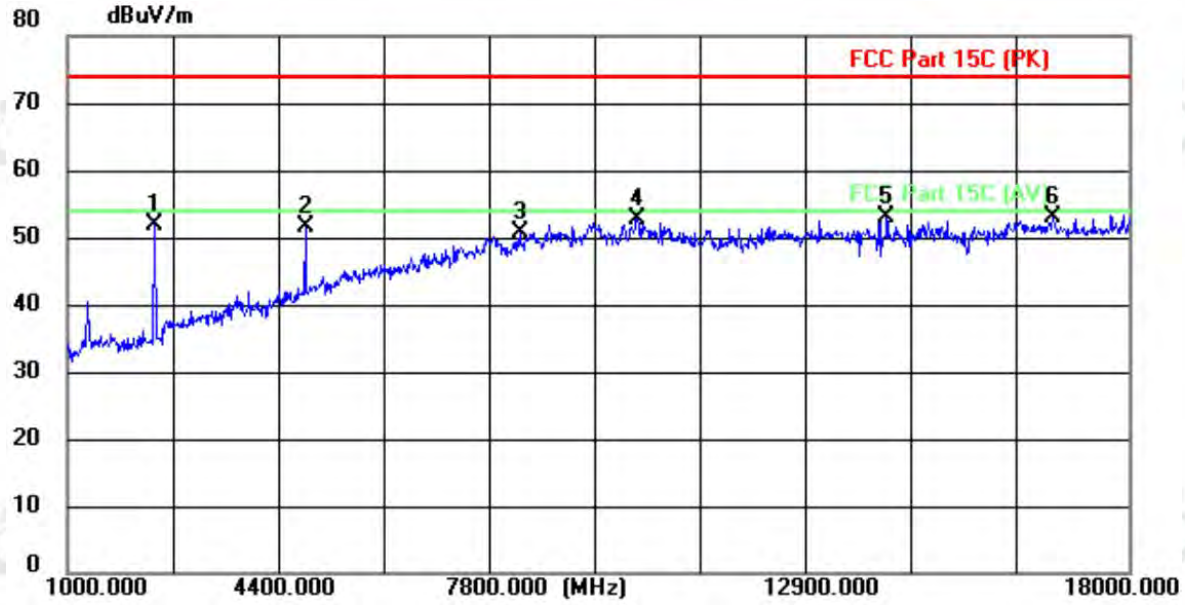


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2394.0000	66.46	-15.58	50.88	74.00	-23.12	peak
2	6168.0000	50.60	-3.67	46.93	74.00	-27.07	peak
3	8752.0000	49.87	1.30	51.17	74.00	-22.83	peak
4	9432.0000	51.20	1.87	53.07	74.00	-20.93	peak
5 *	13308.0000	46.94	6.38	53.32	74.00	-20.68	peak
6	17133.0000	41.97	11.04	53.01	74.00	-20.99	peak

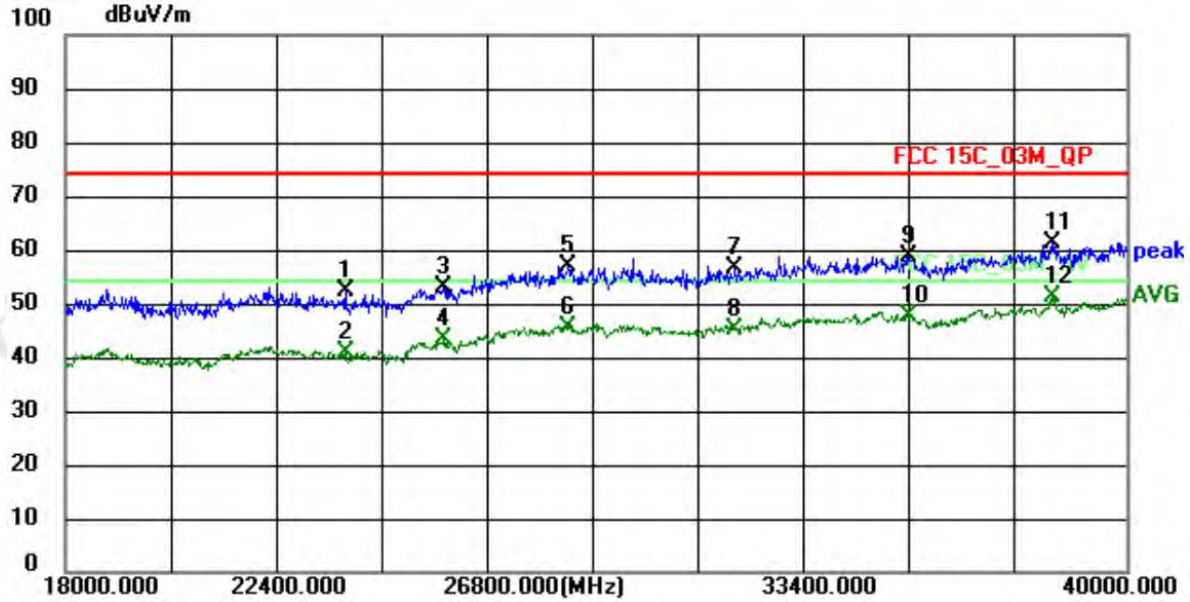


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	22268.0000	49.19	3.64	52.83	74.00	-21.17	peak
2	22268.0000	37.13	3.64	40.77	54.00	-13.23	AVG
3	25656.0000	48.32	5.91	54.23	74.00	-19.77	peak
4	25656.0000	36.52	5.91	42.43	54.00	-11.57	AVG
5	27988.0000	49.76	7.60	57.36	74.00	-16.64	peak
6	27988.0000	36.47	7.60	44.07	54.00	-9.93	AVG
7	29440.0000	47.66	9.19	56.85	74.00	-17.15	peak
8	29440.0000	37.20	9.19	46.39	54.00	-7.61	AVG
9	34896.0000	49.62	10.04	59.66	74.00	-14.34	peak
10 *	34896.0000	39.26	10.04	49.30	54.00	-4.70	AVG
11	37756.0000	50.18	9.87	60.05	74.00	-13.95	peak
12	37756.0000	38.82	9.87	48.69	54.00	-5.31	AVG

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	GFSK-2402MHz

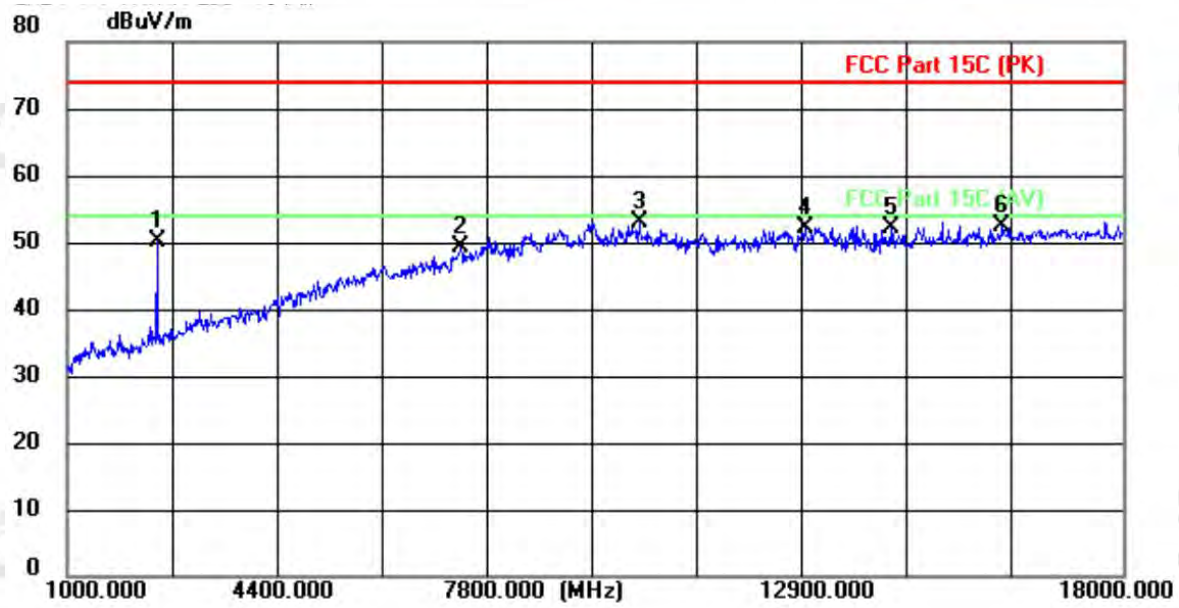


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2394.0000	67.40	-15.58	51.82	74.00	-22.18	peak
2	4808.0000	58.95	-7.41	51.54	74.00	-22.46	peak
3	8242.0000	49.98	0.66	50.64	74.00	-23.36	peak
4	10129.0000	50.32	2.34	52.66	74.00	-21.34	peak
5 *	14124.0000	45.48	7.58	53.06	74.00	-20.94	peak
6	16776.0000	42.34	10.67	53.01	74.00	-20.99	peak

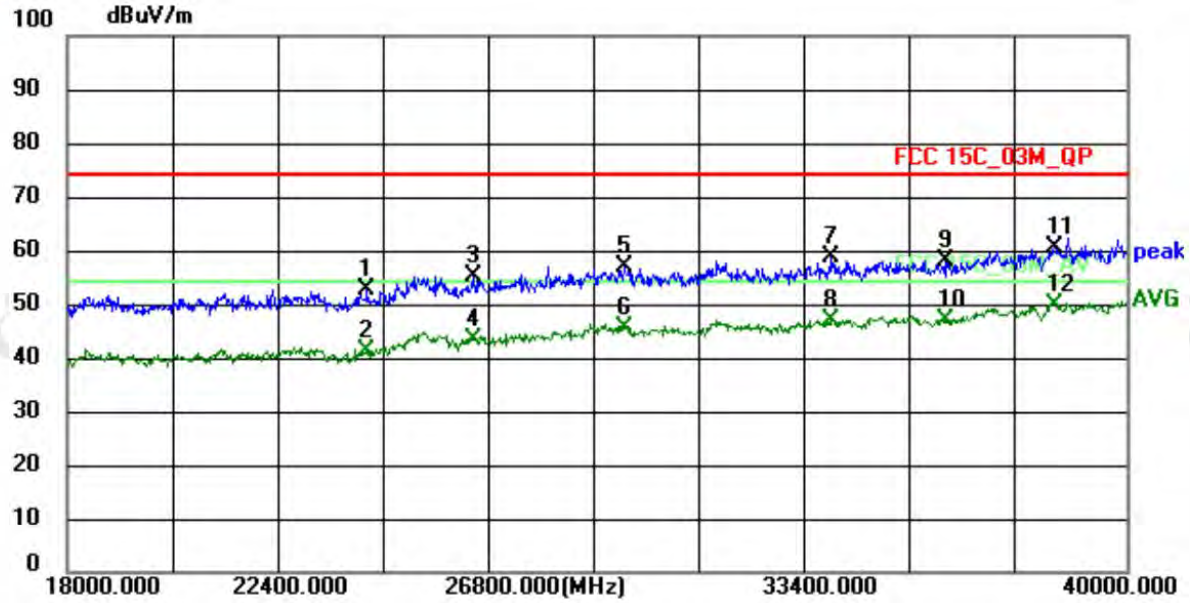


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	23808.0000	47.98	4.48	52.46	74.00	-21.54	peak
2	23808.0000	36.27	4.48	40.75	54.00	-13.25	AVG
3	25854.0000	47.18	5.99	53.17	74.00	-20.83	peak
4	25854.0000	37.47	5.99	43.46	54.00	-10.54	AVG
5	28428.0000	48.81	8.27	57.08	74.00	-16.92	peak
6	28428.0000	37.40	8.27	45.67	54.00	-8.33	AVG
7	31882.0000	47.28	9.40	56.68	74.00	-17.32	peak
8	31882.0000	35.87	9.40	45.27	54.00	-8.73	AVG
9	35512.0000	48.37	10.27	58.64	74.00	-15.36	peak
10	35512.0000	37.27	10.27	47.54	54.00	-6.46	AVG
11	38460.0000	52.07	9.08	61.15	74.00	-12.85	peak
12 *	38460.0000	42.16	9.08	51.24	54.00	-2.76	AVG

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	GFSK-2441MHz

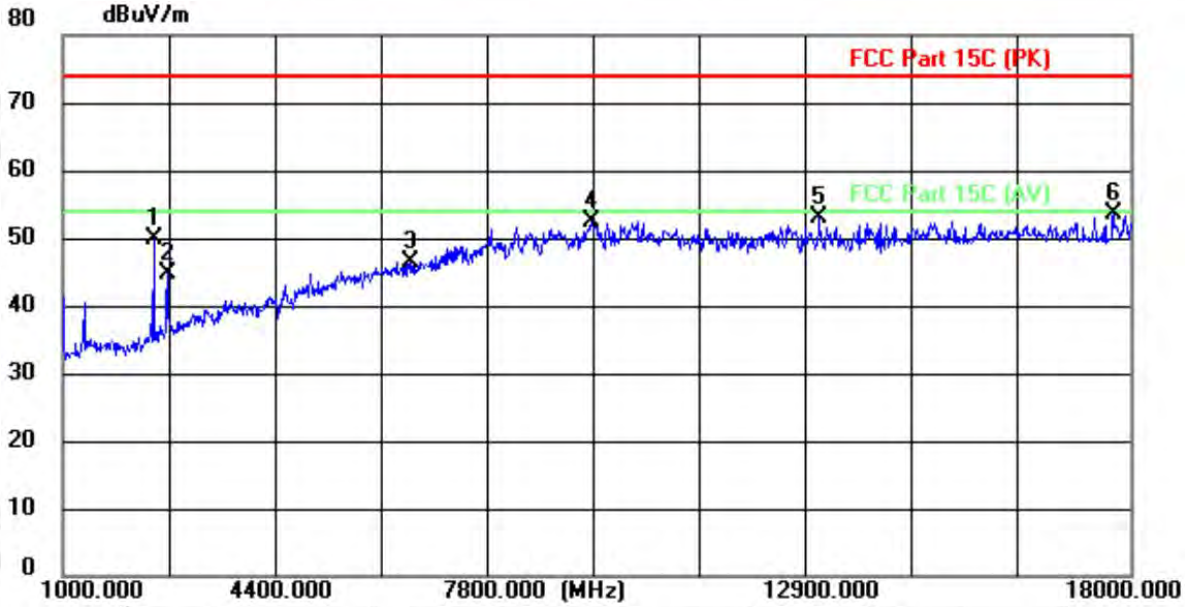


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2445.0000	65.46	-15.39	50.07	74.00	-23.93	peak
2	7341.0000	50.51	-1.14	49.37	74.00	-24.63	peak
3 *	10214.0000	50.57	2.44	53.01	74.00	-20.99	peak
4	12900.0000	46.47	5.78	52.25	74.00	-21.75	peak
5	14260.0000	44.36	7.76	52.12	74.00	-21.88	peak
6	16062.0000	42.49	9.93	52.42	74.00	-21.58	peak

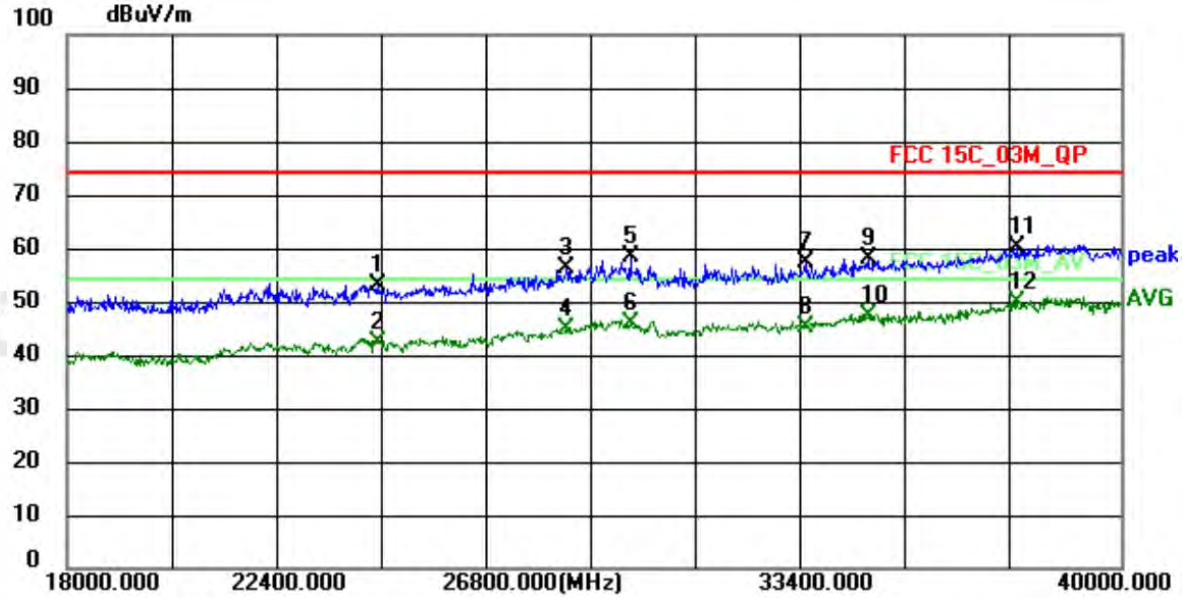


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	24226.0000	48.08	4.74	52.82	74.00	-21.18	peak
2	24226.0000	36.49	4.74	41.23	54.00	-12.77	AVG
3	26426.0000	48.84	6.26	55.10	74.00	-18.90	peak
4	26426.0000	37.19	6.26	43.45	54.00	-10.55	AVG
5	29572.0000	47.63	9.19	56.82	74.00	-17.18	peak
6	29572.0000	36.41	9.19	45.60	54.00	-8.40	AVG
7	33884.0000	49.16	9.49	58.65	74.00	-15.35	peak
8	33884.0000	37.31	9.49	46.80	54.00	-7.20	AVG
9	36260.0000	48.35	9.85	58.20	74.00	-15.80	peak
10	36260.0000	37.28	9.85	47.13	54.00	-6.87	AVG
11	38504.0000	51.64	9.02	60.66	74.00	-13.34	peak
12 *	38504.0000	40.96	9.02	49.98	54.00	-4.02	AVG

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	GFSK-2441MHz

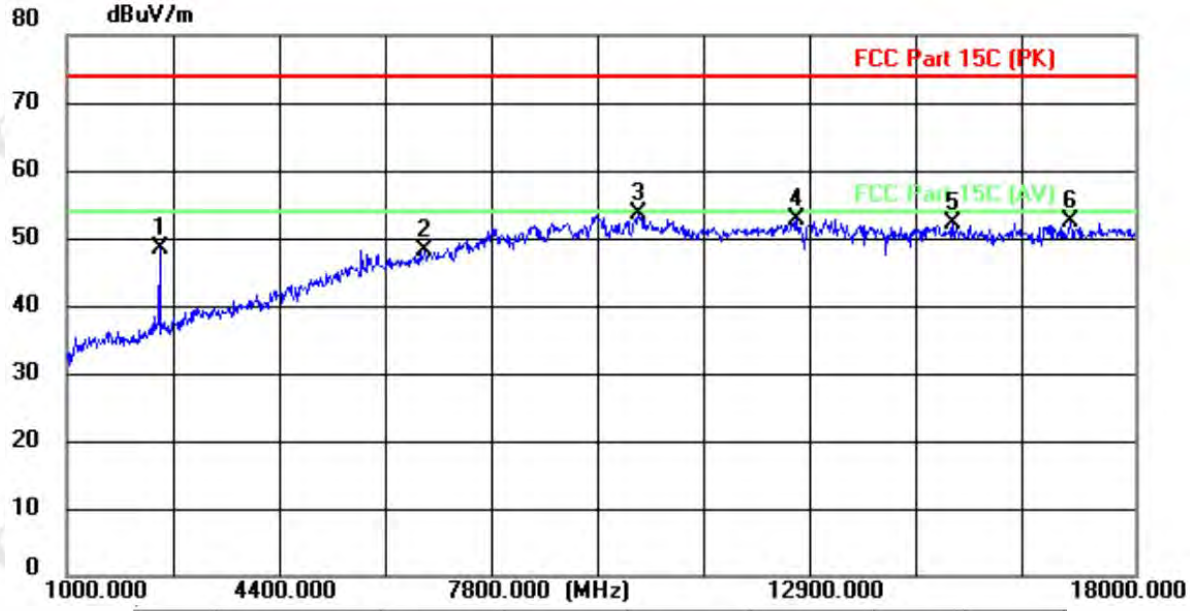


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2445.0000	65.35	-15.39	49.96	74.00	-24.04	peak
2	2666.0000	59.10	-14.29	44.81	74.00	-29.19	peak
3	6525.0000	49.41	-2.91	46.50	74.00	-27.50	peak
4	9415.0000	50.69	1.85	52.54	74.00	-21.46	peak
5	13053.0000	47.07	6.00	53.07	74.00	-20.93	peak
6 *	17728.0000	41.86	11.64	53.50	74.00	-20.50	peak

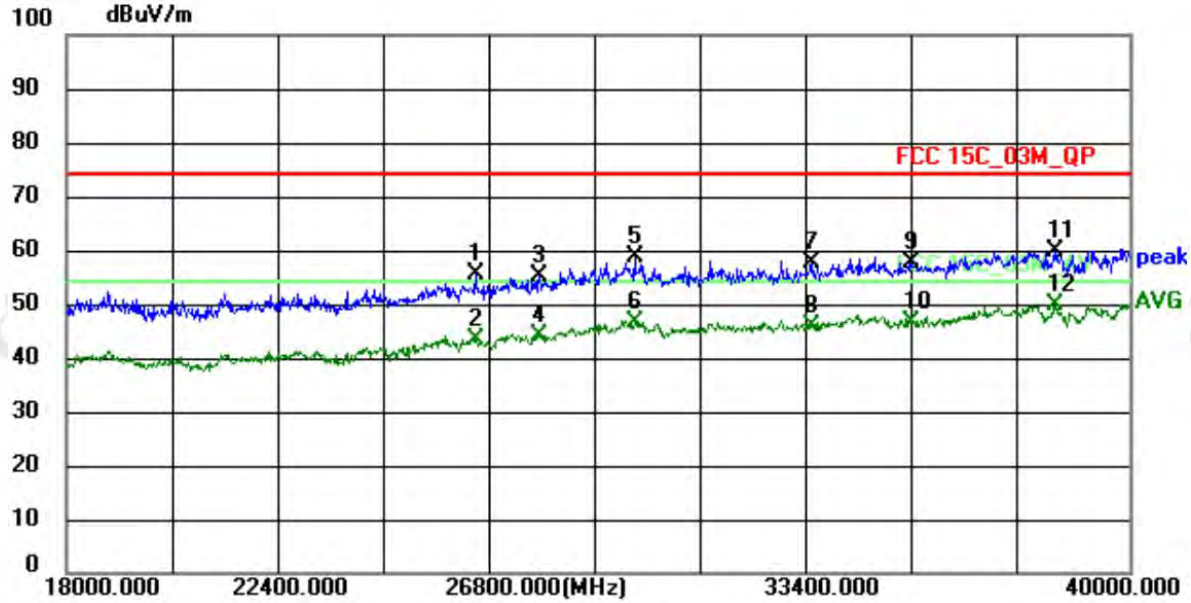


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	24490.0000	48.15	4.82	52.97	74.00	-21.03	peak
2	24490.0000	37.67	4.82	42.49	54.00	-11.51	AVG
3	28428.0000	47.81	8.27	56.08	74.00	-17.92	peak
4	28428.0000	36.40	8.27	44.67	54.00	-9.33	AVG
5	29770.0000	49.13	9.14	58.27	74.00	-15.73	peak
6	29770.0000	36.83	9.14	45.97	54.00	-8.03	AVG
7	33444.0000	47.93	9.31	57.24	74.00	-16.76	peak
8	33444.0000	35.92	9.31	45.23	54.00	-8.77	AVG
9	34720.0000	48.20	9.95	58.15	74.00	-15.85	peak
10	34720.0000	37.34	9.95	47.29	54.00	-6.71	AVG
11	37822.0000	50.33	9.89	60.22	74.00	-13.78	peak
12 *	37822.0000	39.90	9.89	49.79	54.00	-4.21	AVG

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	GFSK-2480MHz

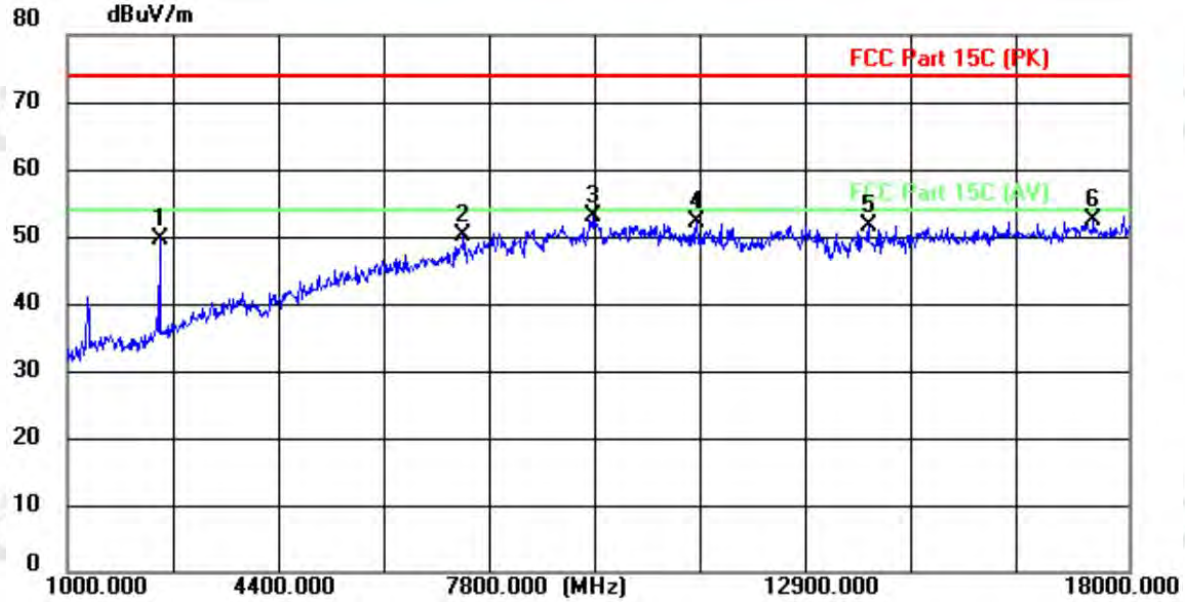


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2479.0000	63.78	-15.26	48.52	74.00	-25.48	peak
2	6695.0000	50.73	-2.56	48.17	74.00	-25.83	peak
3 *	10112.0000	51.19	2.32	53.51	74.00	-20.49	peak
4	12628.0000	47.32	5.39	52.71	74.00	-21.29	peak
5	15093.0000	43.30	8.94	52.24	74.00	-21.76	peak
6	16980.0000	41.62	10.88	52.50	74.00	-21.50	peak

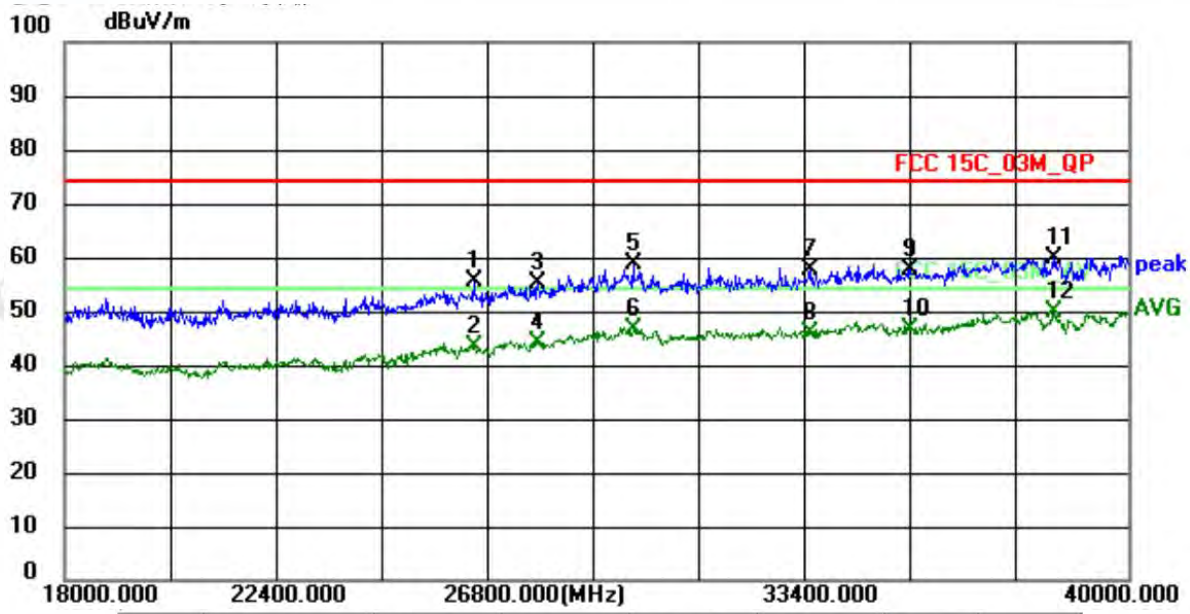


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	26470.0000	49.36	6.28	55.64	74.00	-18.36	peak
2	26470.0000	37.16	6.28	43.44	54.00	-10.56	AVG
3	27790.0000	47.94	7.41	55.35	74.00	-18.65	peak
4	27790.0000	36.77	7.41	44.18	54.00	-9.82	AVG
5	29770.0000	49.63	9.14	58.77	74.00	-15.23	peak
6	29770.0000	37.33	9.14	46.47	54.00	-7.53	AVG
7	33444.0000	48.43	9.31	57.74	74.00	-16.26	peak
8	33444.0000	36.42	9.31	45.73	54.00	-8.27	AVG
9	35512.0000	47.37	10.27	57.64	74.00	-16.36	peak
10	35512.0000	36.27	10.27	46.54	54.00	-7.46	AVG
11	38460.0000	50.57	9.08	59.65	74.00	-14.35	peak
12 *	38460.0000	40.66	9.08	49.74	54.00	-4.26	AVG

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	GFSK-2480MHz

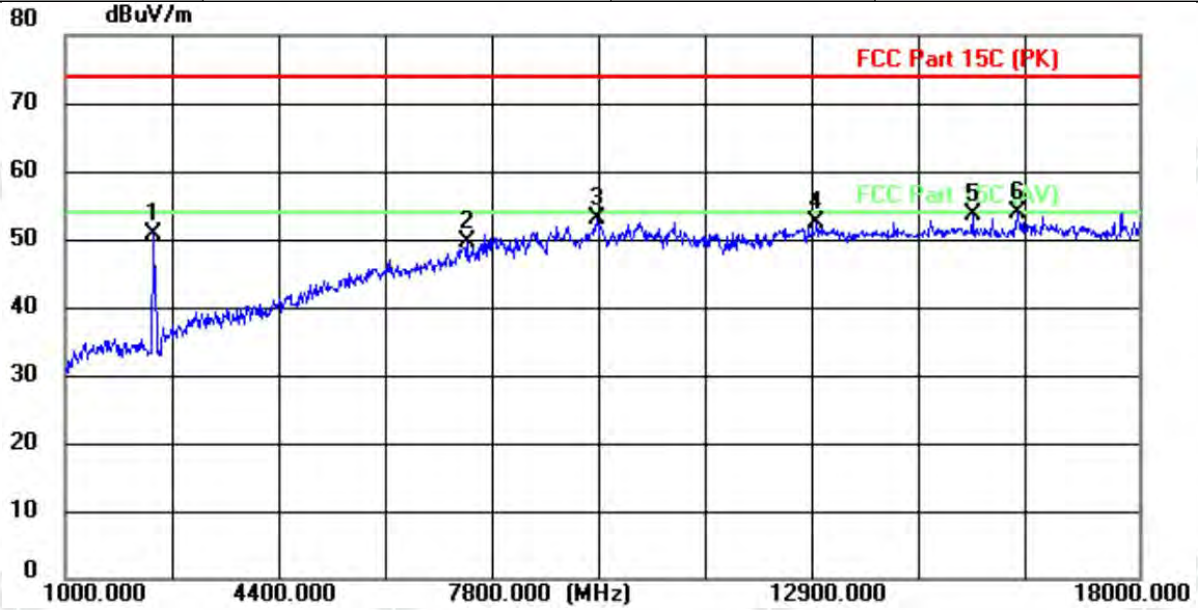


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2479.0000	64.77	-15.26	49.51	74.00	-24.49	peak
2	7341.0000	51.40	-1.14	50.26	74.00	-23.74	peak
3 *	9415.0000	51.18	1.85	53.03	74.00	-20.97	peak
4	11081.0000	48.73	3.42	52.15	74.00	-21.85	peak
5	13835.0000	44.38	7.16	51.54	74.00	-22.46	peak
6	17439.0000	41.03	11.35	52.38	74.00	-21.62	peak

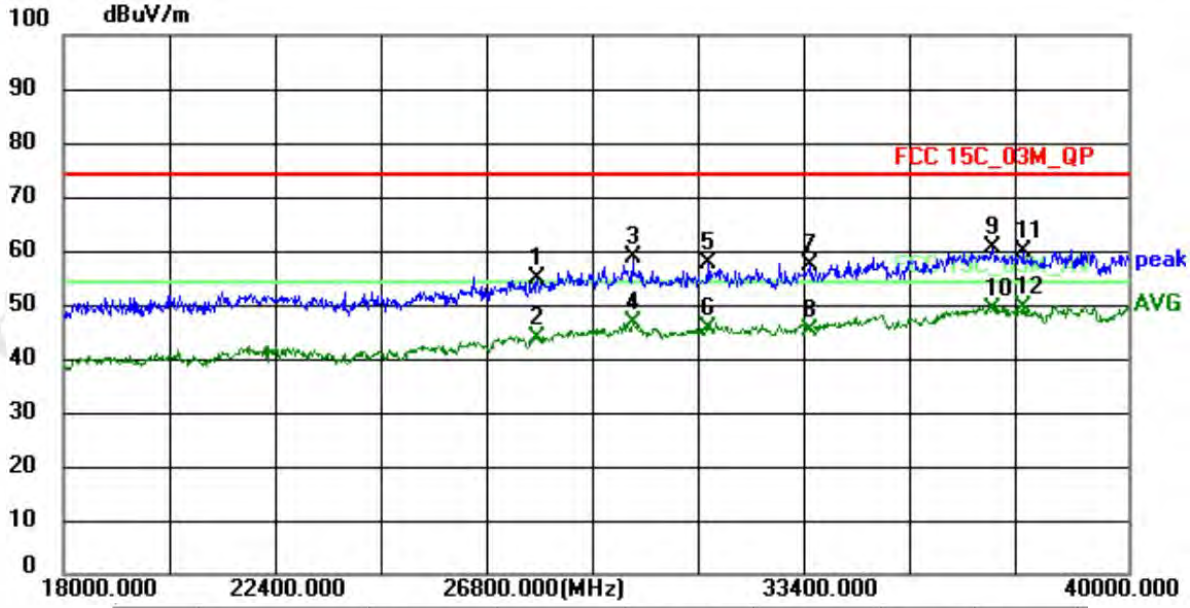


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	26470.0000	49.36	6.28	55.64	74.00	-18.36	peak
2	26470.0000	37.16	6.28	43.44	54.00	-10.56	AVG
3	27790.0000	47.94	7.41	55.35	74.00	-18.65	peak
4	27790.0000	36.77	7.41	44.18	54.00	-9.82	AVG
5	29770.0000	49.63	9.14	58.77	74.00	-15.23	peak
6	29770.0000	37.33	9.14	46.47	54.00	-7.53	AVG
7	33444.0000	48.43	9.31	57.74	74.00	-16.26	peak
8	33444.0000	36.42	9.31	45.73	54.00	-8.27	AVG
9	35512.0000	47.37	10.27	57.64	74.00	-16.36	peak
10	35512.0000	36.27	10.27	46.54	54.00	-7.46	AVG
11	38460.0000	50.57	9.08	59.65	74.00	-14.35	peak
12 *	38460.0000	40.66	9.08	49.74	54.00	-4.26	AVG

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	π/4DQPSK-2402MHz

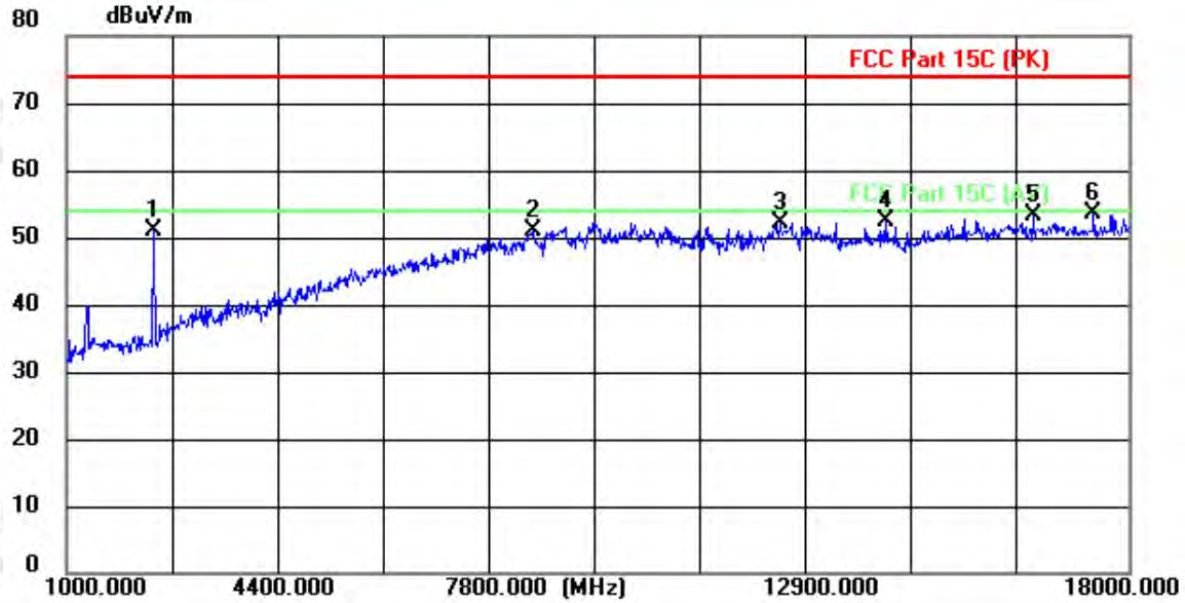


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2394.0000	66.31	-15.58	50.73	74.00	-23.27	peak
2	7358.0000	50.66	-1.10	49.56	74.00	-24.44	peak
3	9415.0000	51.03	1.85	52.88	74.00	-21.12	peak
4	12900.0000	46.58	5.78	52.36	74.00	-21.64	peak
5	15365.0000	44.24	9.22	53.46	74.00	-20.54	peak
6 *	16096.0000	43.98	9.97	53.95	74.00	-20.05	peak

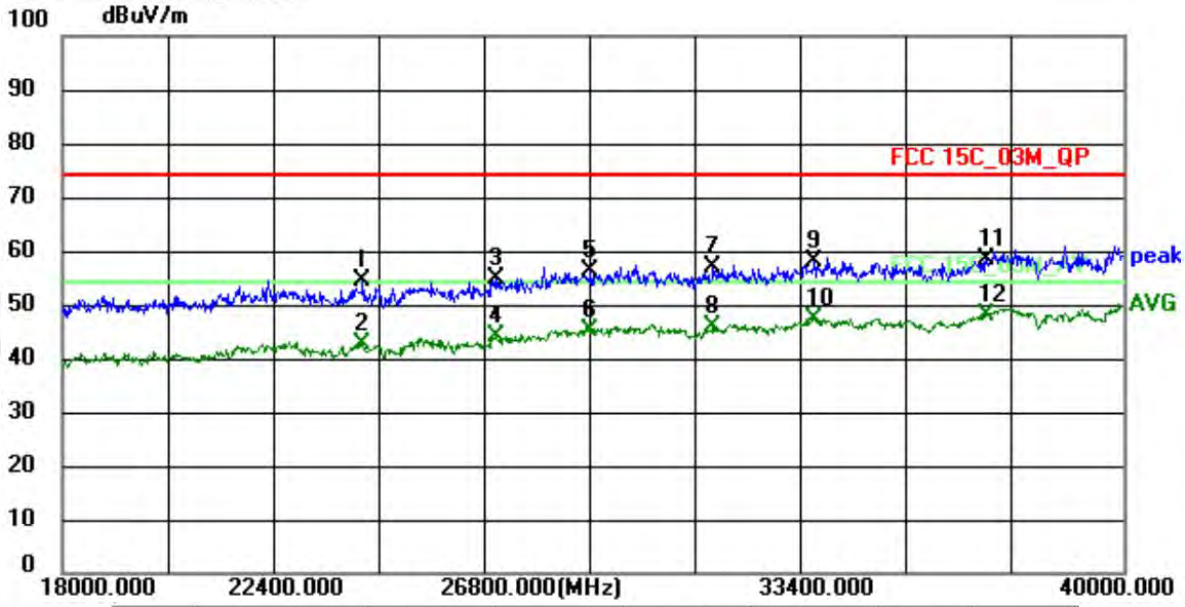


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	27790.0000	47.44	7.41	54.85	74.00	-19.15	peak
2	27790.0000	36.27	7.41	43.68	54.00	-10.32	AVG
3	29770.0000	49.63	9.14	58.77	74.00	-15.23	peak
4	29770.0000	37.33	9.14	46.47	54.00	-7.53	AVG
5	31332.0000	48.32	9.23	57.55	74.00	-16.45	peak
6	31332.0000	36.42	9.23	45.65	54.00	-8.35	AVG
7	33444.0000	47.93	9.31	57.24	74.00	-16.76	peak
8	33444.0000	35.92	9.31	45.23	54.00	-8.77	AVG
9	37184.0000	50.61	9.76	60.37	74.00	-13.63	peak
10	37184.0000	39.52	9.76	49.28	54.00	-4.72	AVG
11	37822.0000	49.83	9.89	59.72	74.00	-14.28	peak
12 *	37822.0000	39.40	9.89	49.29	54.00	-4.71	AVG

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	π/4DQPSK-2402MHz

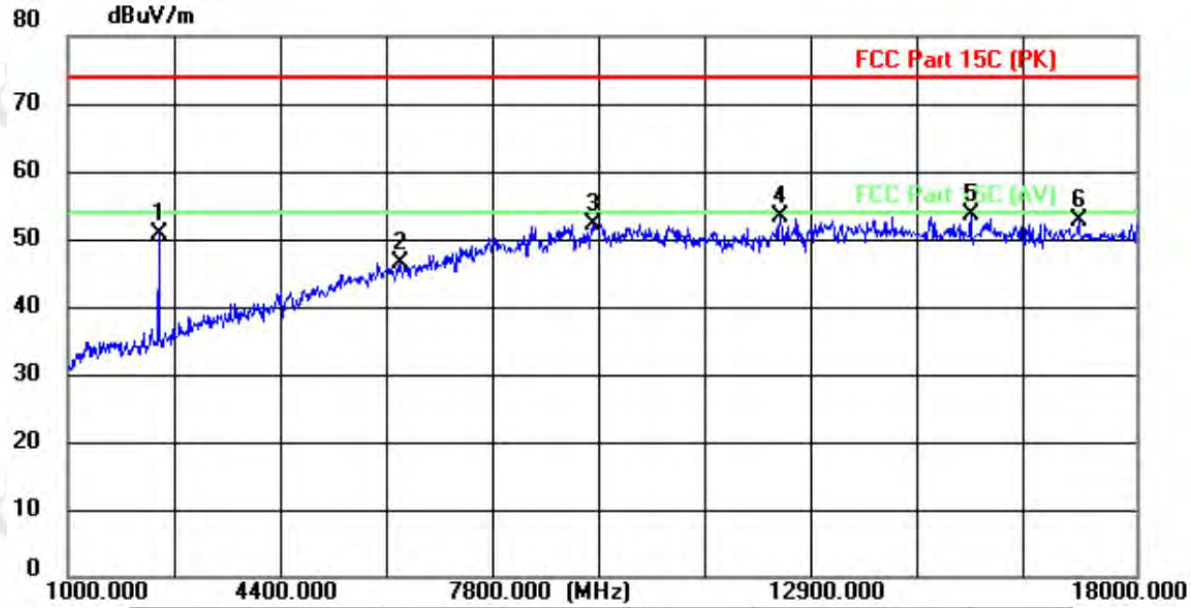


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2394.0000	66.70	-15.58	51.12	74.00	-22.88	peak
2	8480.0000	49.92	0.96	50.88	74.00	-23.12	peak
3	12424.0000	47.19	5.09	52.28	74.00	-21.72	peak
4	14124.0000	44.76	7.58	52.34	74.00	-21.66	peak
5	16470.0000	43.00	10.35	53.35	74.00	-20.65	peak
6 *	17439.0000	42.14	11.35	53.49	74.00	-20.51	peak

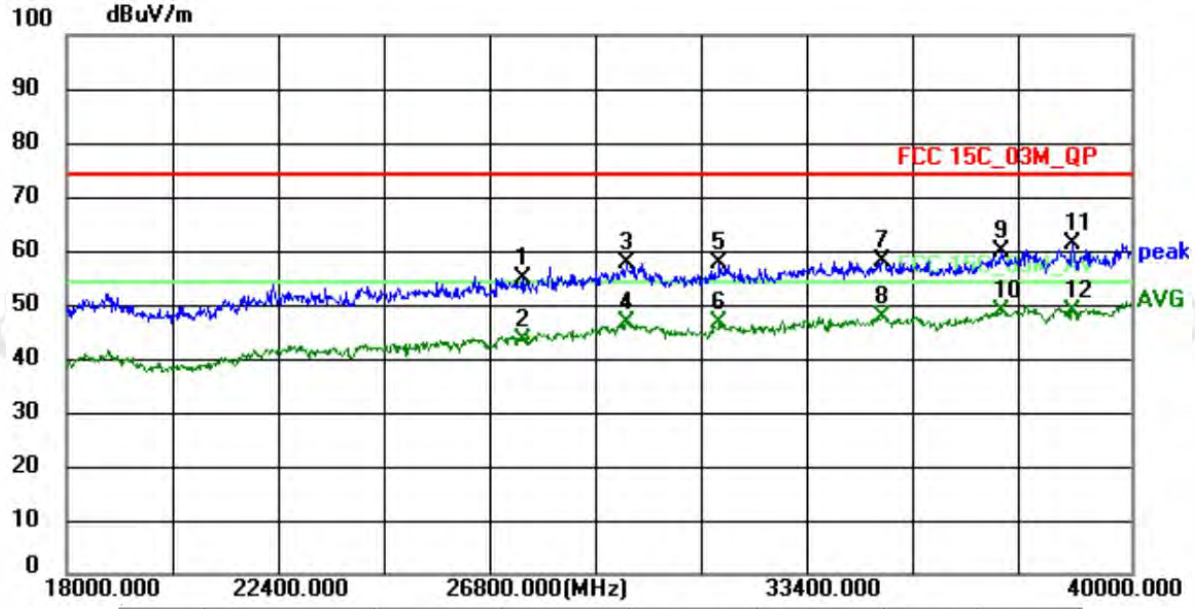


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	24226.0000	49.58	4.74	54.32	74.00	-19.68	peak
2	24226.0000	37.99	4.74	42.73	54.00	-11.27	AVG
3	26976.0000	47.96	6.84	54.80	74.00	-19.20	peak
4	26976.0000	37.29	6.84	44.13	54.00	-9.87	AVG
5	28956.0000	47.04	9.06	56.10	74.00	-17.90	peak
6	28956.0000	36.10	9.06	45.16	54.00	-8.84	AVG
7	31486.0000	47.72	9.32	57.04	74.00	-16.96	peak
8	31486.0000	36.70	9.32	46.02	54.00	-7.98	AVG
9	33598.0000	48.74	9.36	58.10	74.00	-15.90	peak
10	33598.0000	37.91	9.36	47.27	54.00	-6.73	AVG
11	37162.0000	48.67	9.76	58.43	74.00	-15.57	peak
12 *	37162.0000	38.16	9.76	47.92	54.00	-6.08	AVG

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	π/4DQPSK-2441MHz

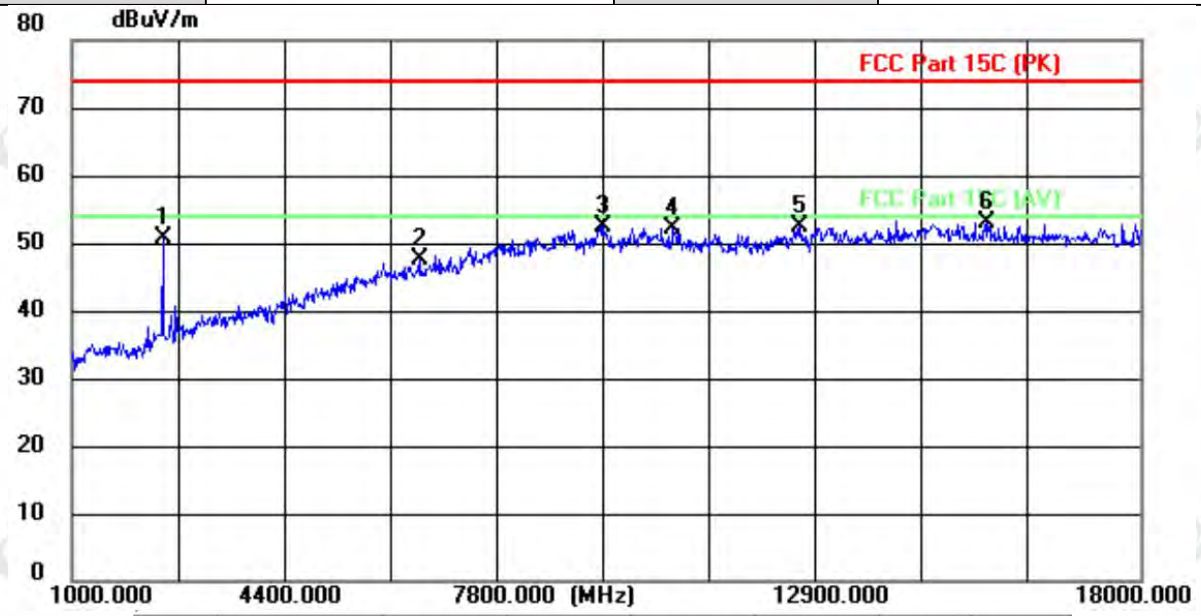


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2445.0000	66.02	-15.39	50.63	74.00	-23.37	peak
2	6287.0000	49.74	-3.41	46.33	74.00	-27.67	peak
3	9347.0000	50.46	1.82	52.28	74.00	-21.72	peak
4	12339.0000	48.20	4.97	53.17	74.00	-20.83	peak
5 *	15365.0000	44.24	9.22	53.46	74.00	-20.54	peak
6	17082.0000	41.71	10.97	52.68	74.00	-21.32	peak

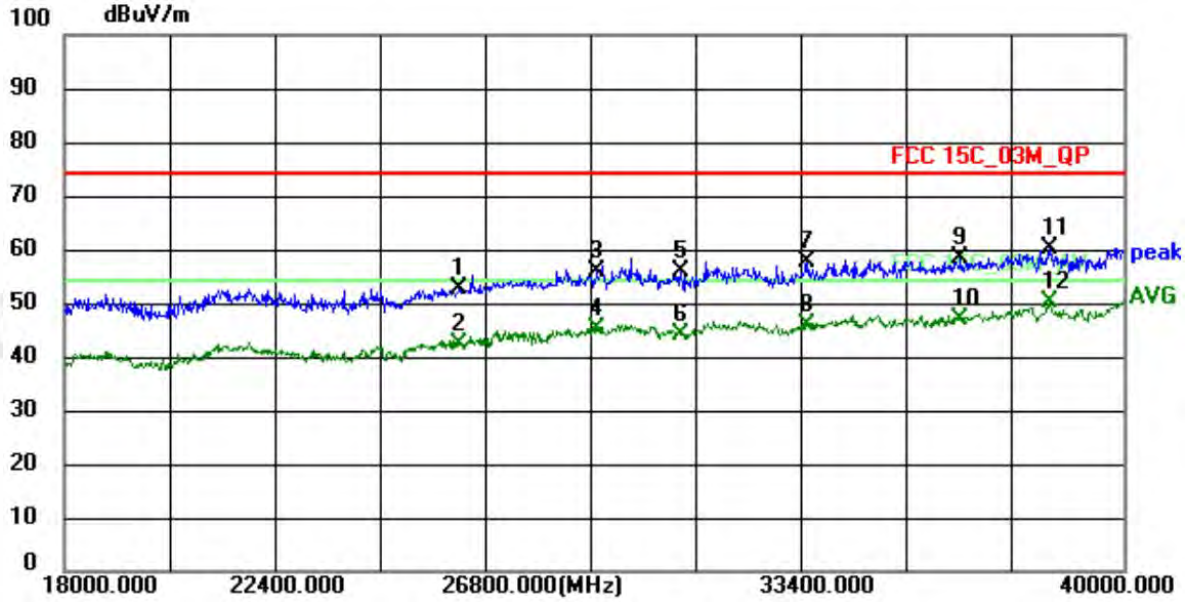


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	27416.0000	47.89	7.10	54.99	74.00	-19.01	peak
2	27416.0000	36.20	7.10	43.30	54.00	-10.70	AVG
3	29572.0000	48.63	9.19	57.82	74.00	-16.18	peak
4	29572.0000	37.41	9.19	46.60	54.00	-7.40	AVG
5	31486.0000	48.22	9.32	57.54	74.00	-16.46	peak
6	31486.0000	37.20	9.32	46.52	54.00	-7.48	AVG
7	34852.0000	48.17	10.02	58.19	74.00	-15.81	peak
8	34852.0000	37.71	10.02	47.73	54.00	-6.27	AVG
9	37338.0000	50.20	9.80	60.00	74.00	-14.00	peak
10 *	37338.0000	39.08	9.80	48.88	54.00	-5.12	AVG
11	38790.0000	52.17	9.06	61.23	74.00	-12.77	peak
12	38790.0000	39.68	9.06	48.74	54.00	-5.26	AVG

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	π/4DQPSK-2441MHz

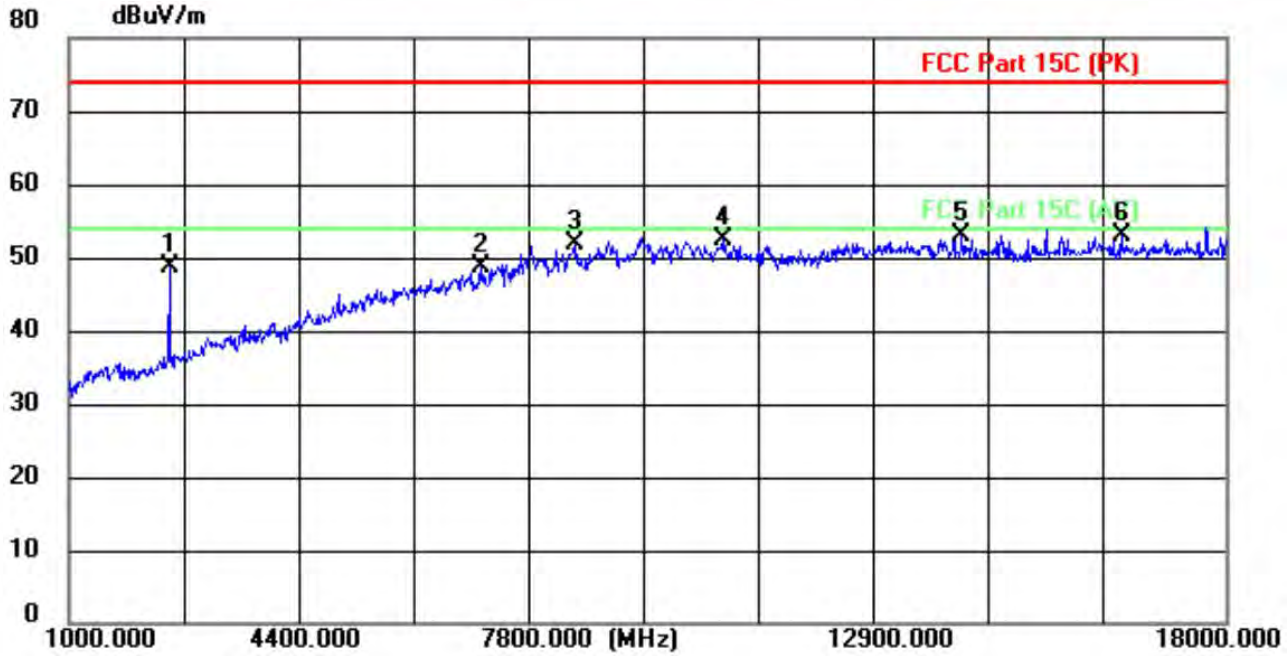


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2445.0000	66.09	-15.39	50.70	74.00	-23.30	peak
2	6525.0000	50.55	-2.91	47.64	74.00	-26.36	peak
3	9449.0000	50.65	1.87	52.52	74.00	-21.48	peak
4	10571.0000	49.38	2.85	52.23	74.00	-21.77	peak
5	12594.0000	47.01	5.34	52.35	74.00	-21.65	peak
6 *	15569.0000	43.61	9.43	53.04	74.00	-20.96	peak

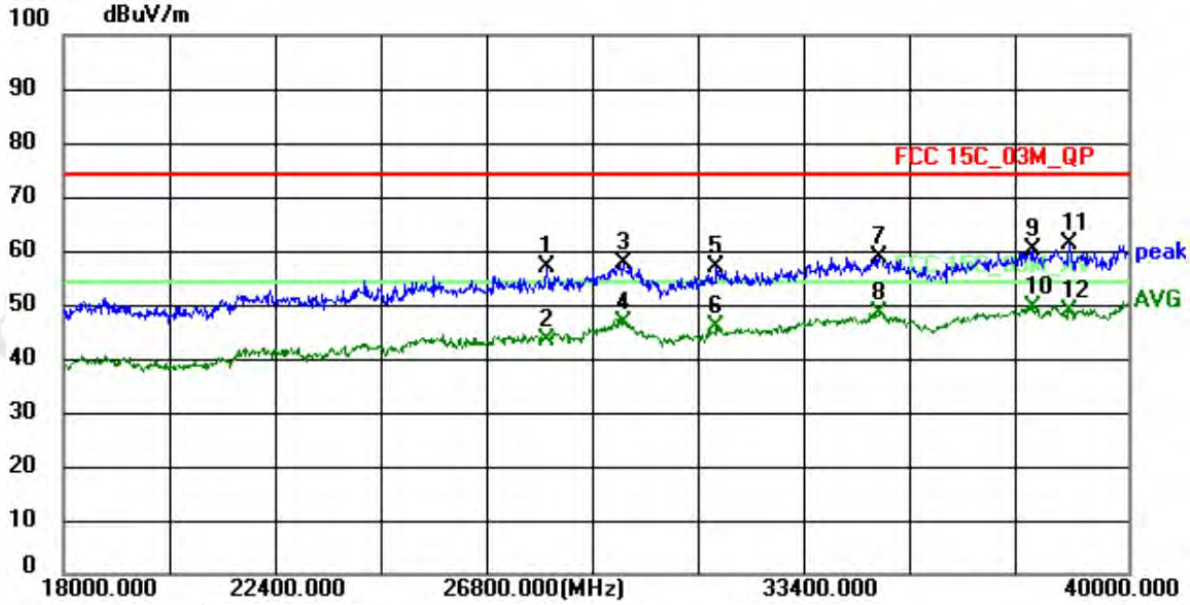


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	26206.0000	46.58	6.15	52.73	74.00	-21.27	peak
2	26206.0000	36.01	6.15	42.16	54.00	-11.84	AVG
3	29066.0000	46.83	9.14	55.97	74.00	-18.03	peak
4	29066.0000	36.08	9.14	45.22	54.00	-8.78	AVG
5	30826.0000	46.78	9.02	55.80	74.00	-18.20	peak
6	30826.0000	35.00	9.02	44.02	54.00	-9.98	AVG
7	33444.0000	48.43	9.31	57.74	74.00	-16.26	peak
8	33444.0000	36.42	9.31	45.73	54.00	-8.27	AVG
9	36612.0000	48.60	9.74	58.34	74.00	-15.66	peak
10	36612.0000	37.26	9.74	47.00	54.00	-7.00	AVG
11	38460.0000	51.07	9.08	60.15	74.00	-13.85	peak
12 *	38460.0000	41.16	9.08	50.24	54.00	-3.76	AVG

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	π/4DQPSK-2480MHz

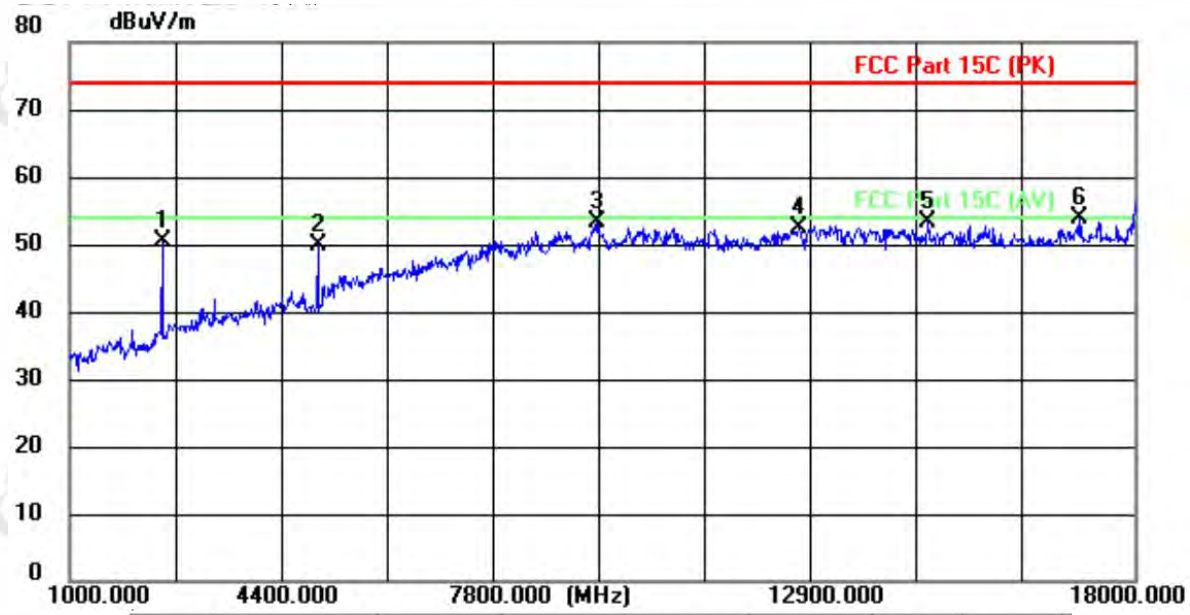


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2479.0000	63.97	-15.26	48.71	74.00	-25.29	peak
2	7052.0000	50.57	-1.79	48.78	74.00	-25.22	peak
3	8429.0000	50.95	0.89	51.84	74.00	-22.16	peak
4	10605.0000	49.46	2.88	52.34	74.00	-21.66	peak
5	14124.0000	45.35	7.58	52.93	74.00	-21.07	peak
6 *	16470.0000	42.71	10.35	53.06	74.00	-20.94	peak

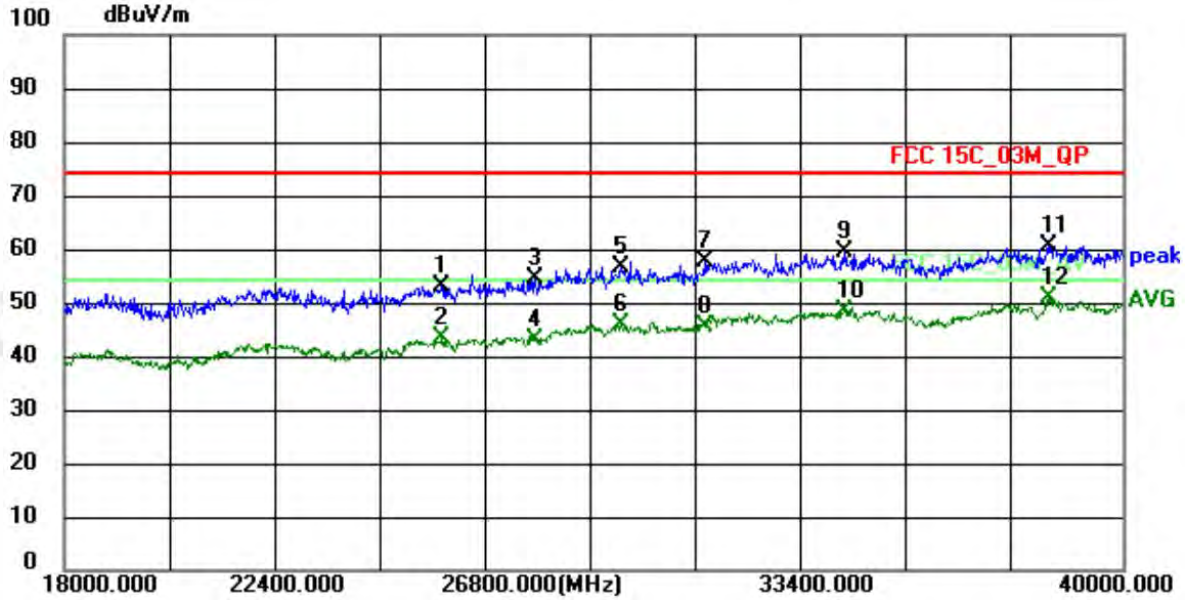


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	27988.0000	49.26	7.60	56.86	74.00	-17.14	peak
2	27988.0000	35.97	7.60	43.57	54.00	-10.43	AVG
3	29572.0000	48.63	9.19	57.82	74.00	-16.18	peak
4	29572.0000	37.41	9.19	46.60	54.00	-7.40	AVG
5	31486.0000	47.72	9.32	57.04	74.00	-16.96	peak
6	31486.0000	36.70	9.32	46.02	54.00	-7.98	AVG
7	34852.0000	48.67	10.02	58.69	74.00	-15.31	peak
8	34852.0000	38.21	10.02	48.23	54.00	-5.77	AVG
9	38020.0000	50.25	9.88	60.13	74.00	-13.87	peak
10 *	38020.0000	39.67	9.88	49.55	54.00	-4.45	AVG
11	38790.0000	52.17	9.06	61.23	74.00	-12.77	peak
12	38790.0000	39.68	9.06	48.74	54.00	-5.26	AVG

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	π/4DQPSK-2480MHz

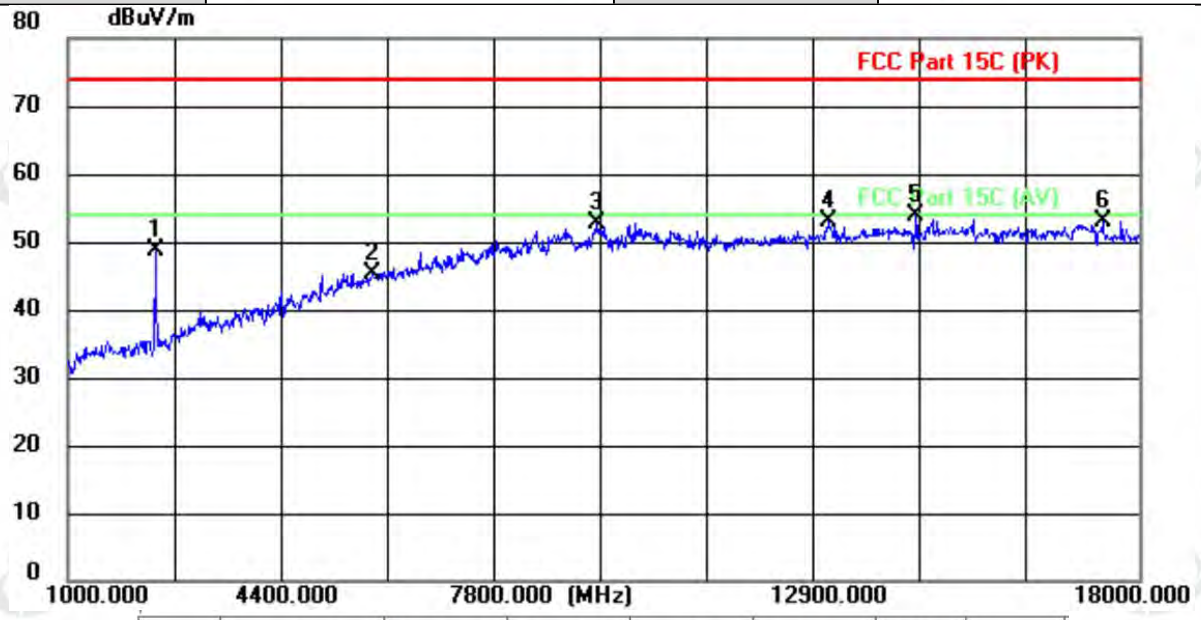


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2479.0000	65.75	-15.26	50.49	74.00	-23.51	peak
2	4961.0000	56.58	-6.86	49.72	74.00	-24.28	peak
3	9415.0000	51.55	1.85	53.40	74.00	-20.60	peak
4	12645.0000	47.10	5.42	52.52	74.00	-21.48	peak
5	14702.0000	44.90	8.41	53.31	74.00	-20.69	peak
6 *	17133.0000	42.85	11.04	53.89	74.00	-20.11	peak

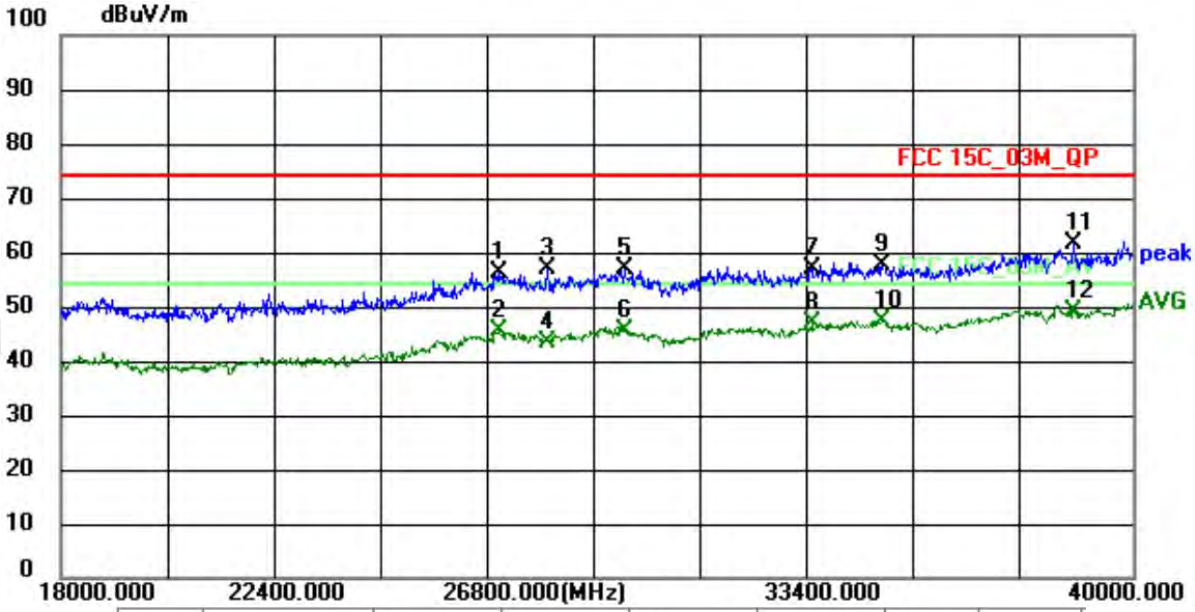


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	25854.0000	47.18	5.99	53.17	74.00	-20.83	peak
2	25854.0000	37.47	5.99	43.46	54.00	-10.54	AVG
3	27790.0000	46.94	7.41	54.35	74.00	-19.65	peak
4	27790.0000	35.77	7.41	43.18	54.00	-10.82	AVG
5	29594.0000	47.60	9.18	56.78	74.00	-17.22	peak
6	29594.0000	36.80	9.18	45.98	54.00	-8.02	AVG
7	31332.0000	48.32	9.23	57.55	74.00	-16.45	peak
8	31332.0000	36.42	9.23	45.65	54.00	-8.35	AVG
9	34214.0000	49.69	9.67	59.36	74.00	-14.64	peak
10	34214.0000	38.55	9.67	48.22	54.00	-5.78	AVG
11	38460.0000	51.57	9.08	60.65	74.00	-13.35	peak
12 *	38460.0000	41.66	9.08	50.74	54.00	-3.26	AVG

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	8DPSK-2402MHz

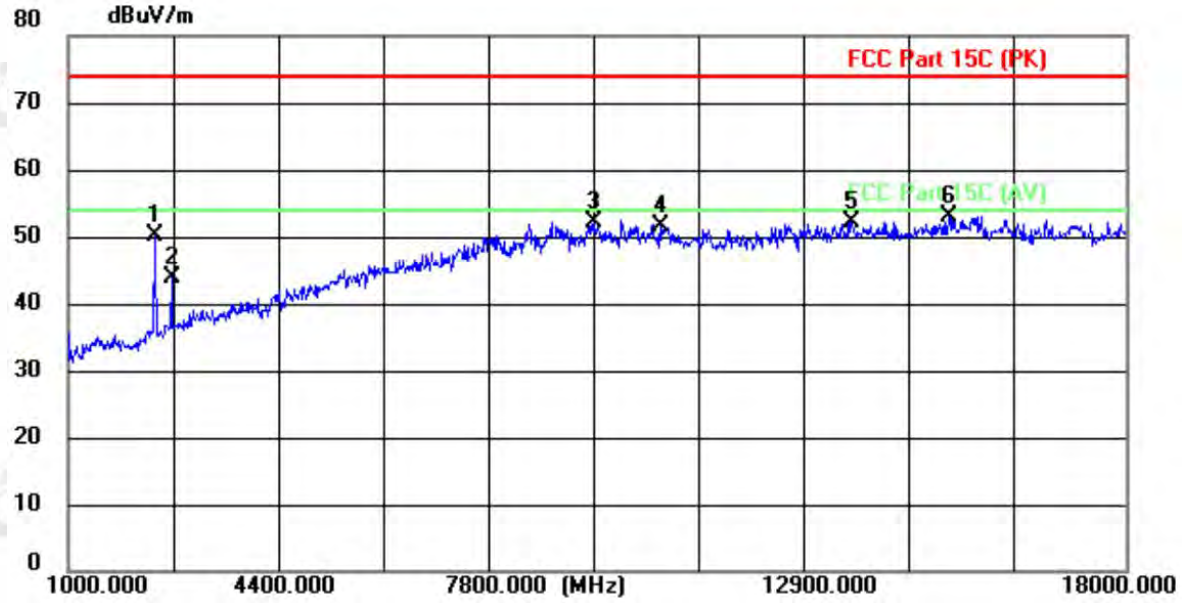


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2394.0000	64.32	-15.58	48.74	74.00	-25.26	peak
2	5845.0000	49.84	-4.61	45.23	74.00	-28.77	peak
3	9398.0000	50.81	1.85	52.66	74.00	-21.34	peak
4	13070.0000	46.89	6.03	52.92	74.00	-21.08	peak
5 *	14464.0000	45.77	8.06	53.83	74.00	-20.17	peak
6	17422.0000	41.75	11.33	53.08	74.00	-20.92	peak

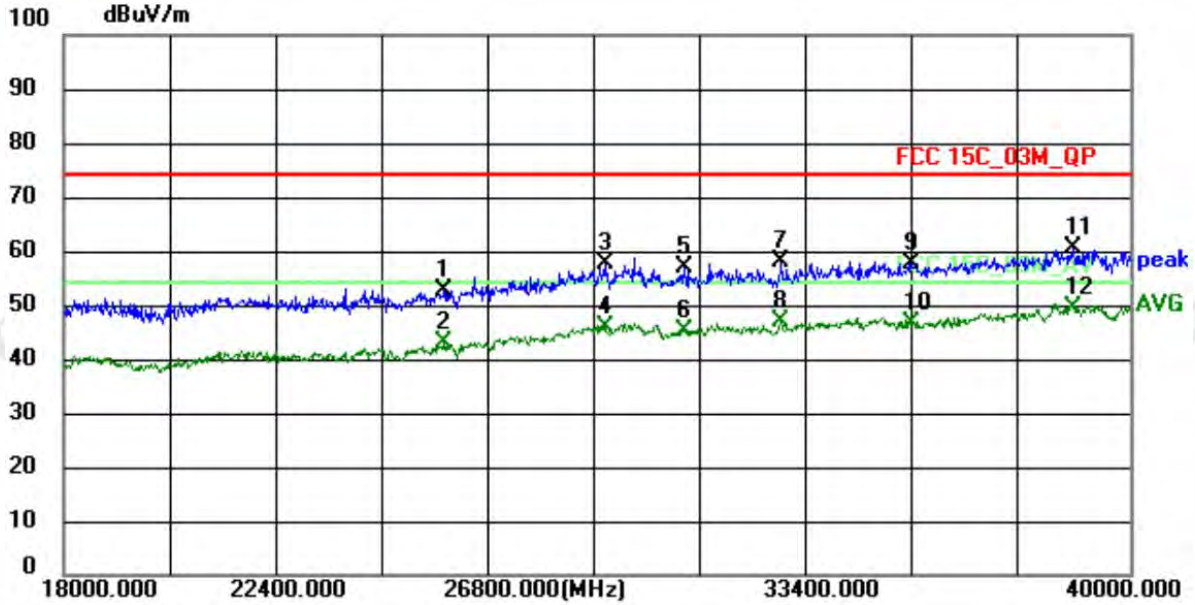


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	26976.0000	49.46	6.84	56.30	74.00	-17.70	peak
2	26976.0000	38.79	6.84	45.63	54.00	-8.37	AVG
3	27988.0000	49.26	7.60	56.86	74.00	-17.14	peak
4	27988.0000	35.97	7.60	43.57	54.00	-10.43	AVG
5	29572.0000	47.63	9.19	56.82	74.00	-17.18	peak
6	29572.0000	36.41	9.19	45.60	54.00	-8.40	AVG
7	33422.0000	47.63	9.29	56.92	74.00	-17.08	peak
8	33422.0000	37.55	9.29	46.84	54.00	-7.16	AVG
9	34852.0000	47.67	10.02	57.69	74.00	-16.31	peak
10	34852.0000	37.21	10.02	47.23	54.00	-6.77	AVG
11	38790.0000	52.67	9.06	61.73	74.00	-12.27	peak
12 *	38790.0000	40.18	9.06	49.24	54.00	-4.76	AVG

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	8DPSK-2402MHz

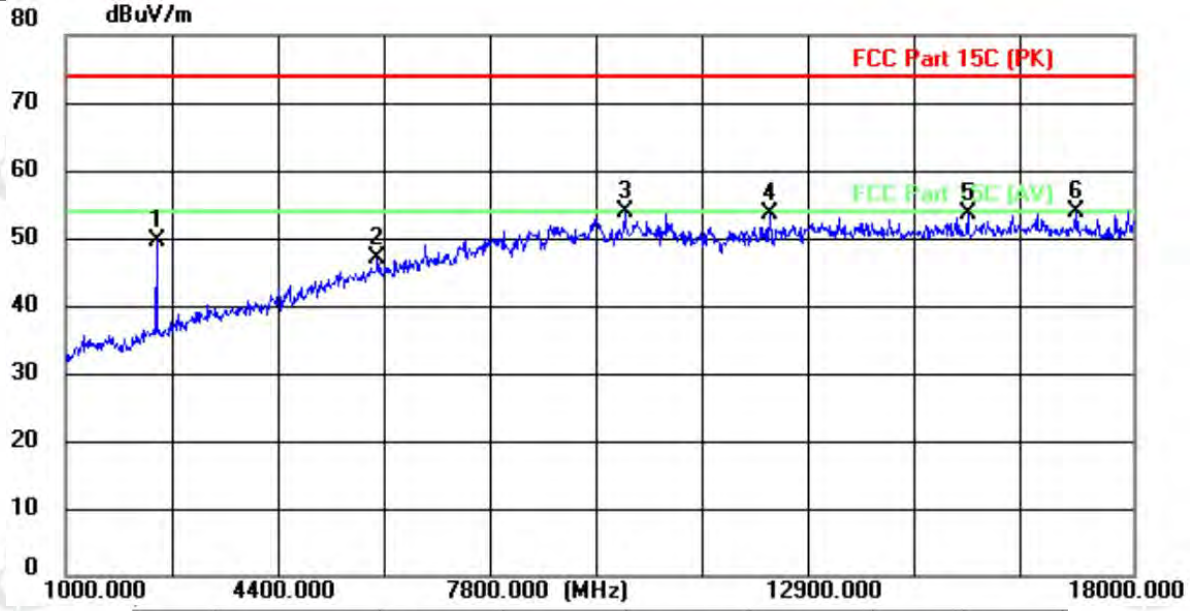


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2394.0000	65.71	-15.58	50.13	74.00	-23.87	peak
2	2666.0000	58.27	-14.29	43.98	74.00	-30.02	peak
3	9449.0000	50.37	1.87	52.24	74.00	-21.76	peak
4	10520.0000	48.72	2.79	51.51	74.00	-22.49	peak
5	13597.0000	45.48	6.80	52.28	74.00	-21.72	peak
6 *	15161.0000	44.07	9.01	53.08	74.00	-20.92	peak

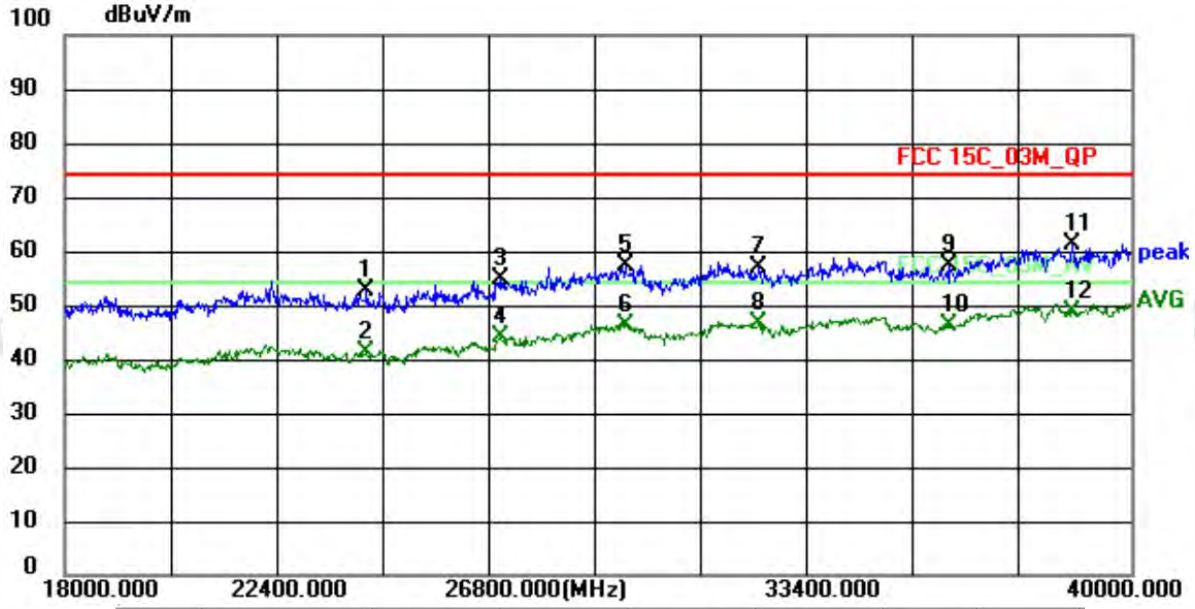


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	25854.0000	46.68	5.99	52.67	74.00	-21.33	peak
2	25854.0000	36.97	5.99	42.96	54.00	-11.04	AVG
3	29176.0000	48.43	9.15	57.58	74.00	-16.42	peak
4	29176.0000	36.80	9.15	45.95	54.00	-8.05	AVG
5	30826.0000	47.78	9.02	56.80	74.00	-17.20	peak
6	30826.0000	36.00	9.02	45.02	54.00	-8.98	AVG
7	32806.0000	48.88	9.25	58.13	74.00	-15.87	peak
8	32806.0000	37.58	9.25	46.83	54.00	-7.17	AVG
9	35512.0000	47.37	10.27	57.64	74.00	-16.36	peak
10	35512.0000	36.27	10.27	46.54	54.00	-7.46	AVG
11	38812.0000	51.56	9.06	60.62	74.00	-13.38	peak
12 *	38812.0000	40.54	9.06	49.60	54.00	-4.40	AVG

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	8DPSK-2441MHz

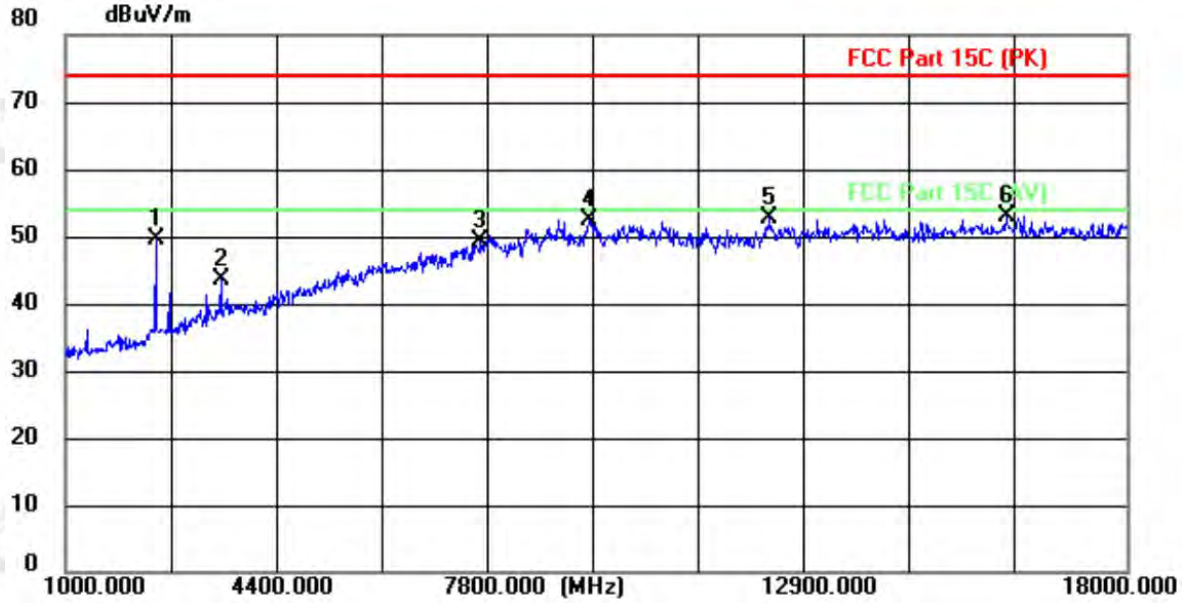


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2445.0000	64.96	-15.39	49.57	74.00	-24.43	peak
2	5964.0000	51.02	-4.15	46.87	74.00	-27.13	peak
3 *	9908.0000	51.71	2.14	53.85	74.00	-20.15	peak
4	12203.0000	48.69	4.77	53.46	74.00	-20.54	peak
5	15365.0000	44.35	9.22	53.57	74.00	-20.43	peak
6	17082.0000	42.83	10.97	53.80	74.00	-20.20	peak

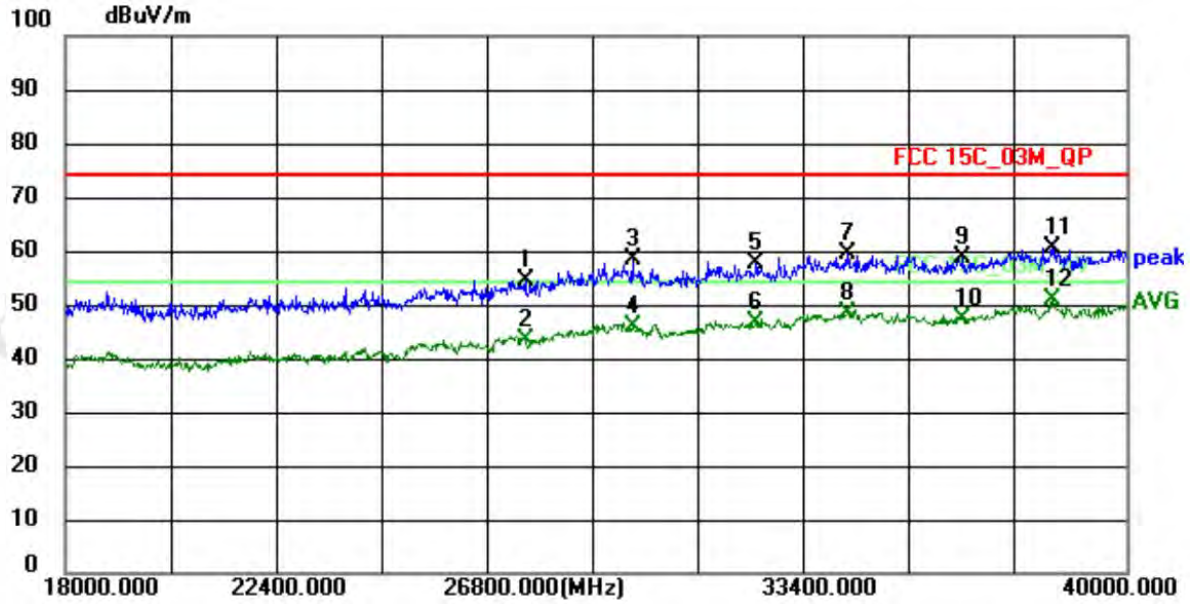


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	24226.0000	48.08	4.74	52.82	74.00	-21.18	peak
2	24226.0000	36.49	4.74	41.23	54.00	-12.77	AVG
3	26976.0000	47.96	6.84	54.80	74.00	-19.20	peak
4	26976.0000	37.29	6.84	44.13	54.00	-9.87	AVG
5	29572.0000	48.13	9.19	57.32	74.00	-16.68	peak
6	29572.0000	36.91	9.19	46.10	54.00	-7.90	AVG
7	32322.0000	47.64	9.37	57.01	74.00	-16.99	peak
8	32322.0000	37.07	9.37	46.44	54.00	-7.56	AVG
9	36260.0000	47.35	9.85	57.20	74.00	-16.80	peak
10	36260.0000	36.28	9.85	46.13	54.00	-7.87	AVG
11	38790.0000	52.17	9.06	61.23	74.00	-12.77	peak
12 *	38790.0000	39.68	9.06	48.74	54.00	-5.26	AVG

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	8DPSK-2441MHz

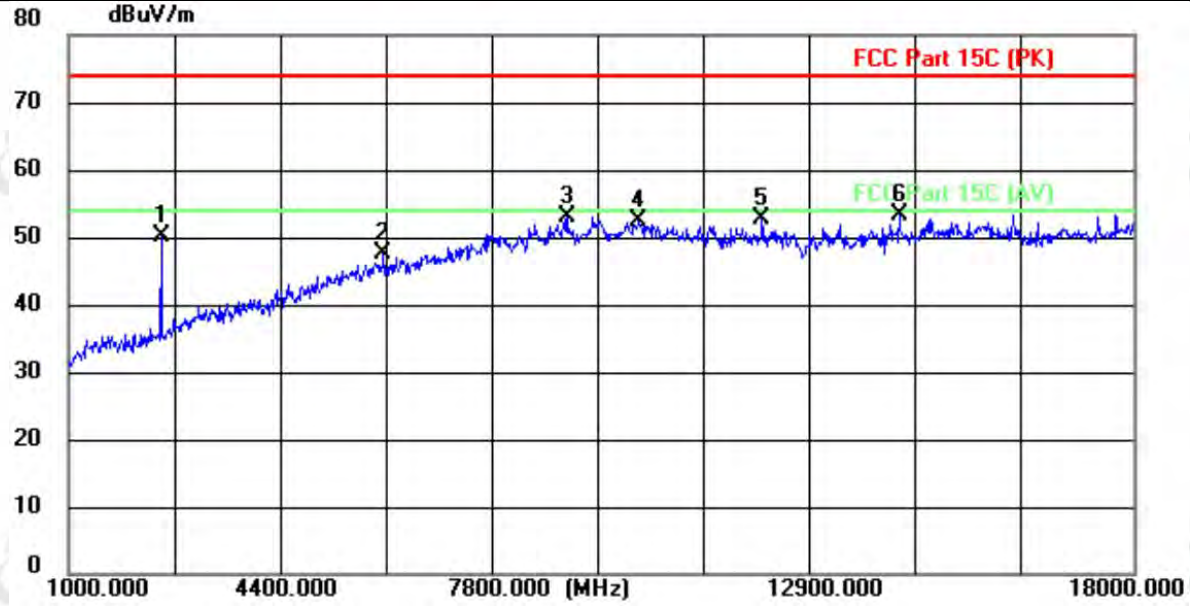


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2445.0000	64.91	-15.39	49.52	74.00	-24.48	peak
2	3499.0000	54.89	-11.40	43.49	74.00	-30.51	peak
3	7647.0000	49.66	-0.45	49.21	74.00	-24.79	peak
4	9398.0000	50.61	1.85	52.46	74.00	-21.54	peak
5	12288.0000	47.80	4.89	52.69	74.00	-21.31	peak
6 *	16079.0000	43.17	9.96	53.13	74.00	-20.87	peak

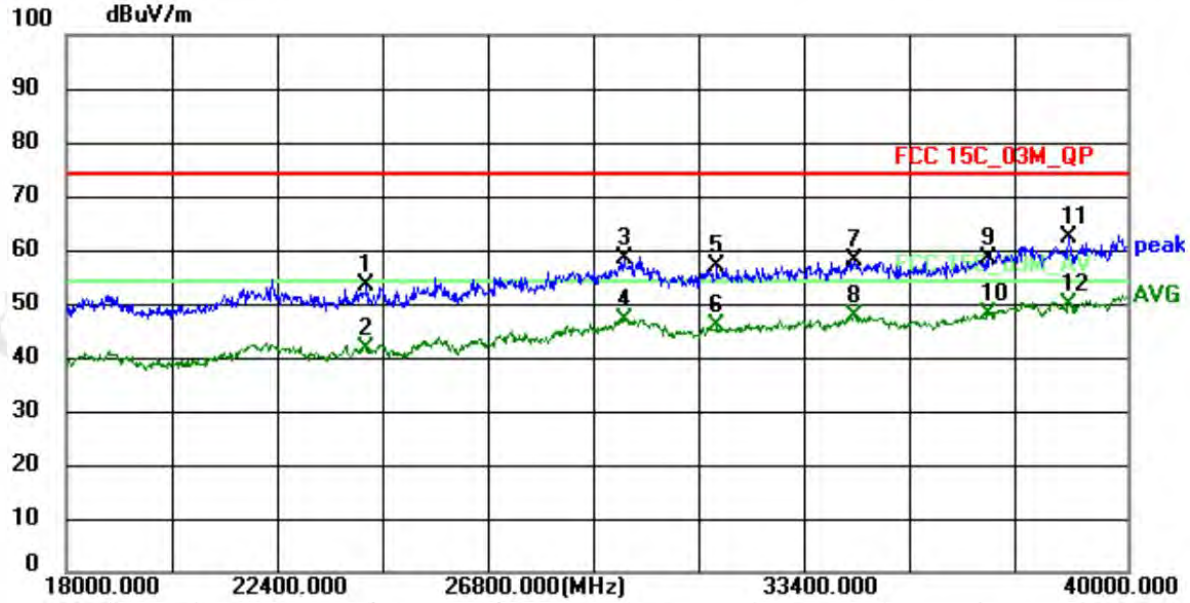


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	27548.0000	47.31	7.19	54.50	74.00	-19.50	peak
2	27548.0000	36.29	7.19	43.48	54.00	-10.52	AVG
3	29770.0000	49.13	9.14	58.27	74.00	-15.73	peak
4	29770.0000	36.83	9.14	45.97	54.00	-8.03	AVG
5	32322.0000	48.30	9.37	57.67	74.00	-16.33	peak
6	32322.0000	37.40	9.37	46.77	54.00	-7.23	AVG
7	34214.0000	49.69	9.67	59.36	74.00	-14.64	peak
8	34214.0000	38.55	9.67	48.22	54.00	-5.78	AVG
9	36612.0000	49.10	9.74	58.84	74.00	-15.16	peak
10	36612.0000	37.76	9.74	47.50	54.00	-6.50	AVG
11	38460.0000	51.57	9.08	60.65	74.00	-13.35	peak
12 *	38460.0000	41.66	9.08	50.74	54.00	-3.26	AVG

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	8DPSK-2480MHz

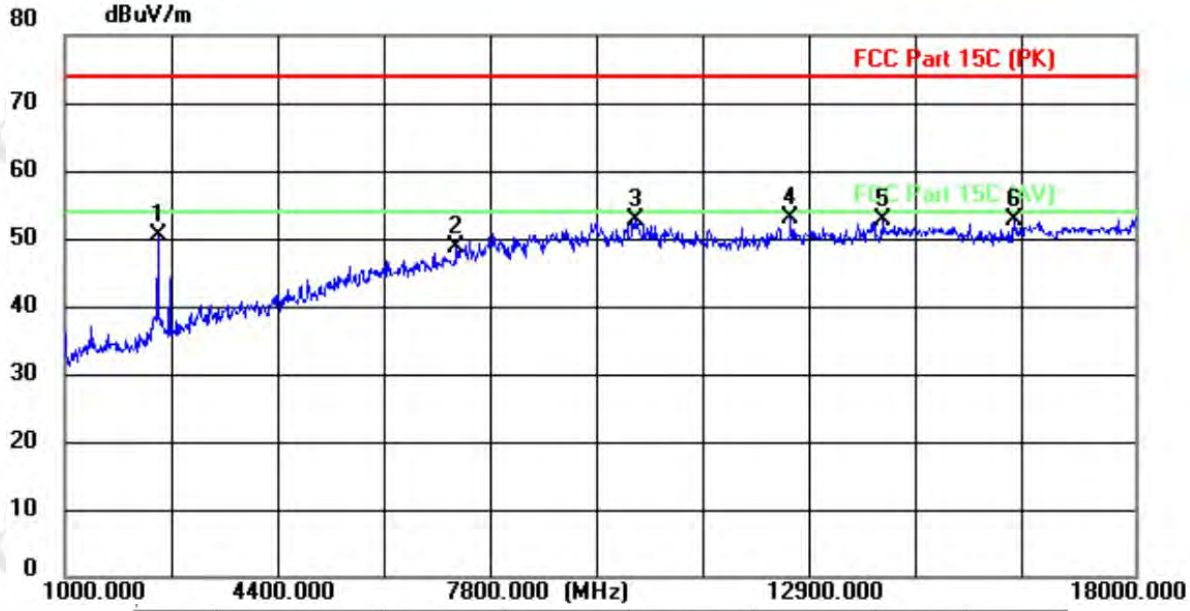


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2479.0000	65.32	-15.26	50.06	74.00	-23.94	peak
2	6032.0000	51.61	-3.95	47.66	74.00	-26.34	peak
3	8956.0000	51.41	1.56	52.97	74.00	-21.03	peak
4	10112.0000	50.19	2.32	52.51	74.00	-21.49	peak
5	12067.0000	48.18	4.56	52.74	74.00	-21.26	peak
6 *	14260.0000	45.41	7.76	53.17	74.00	-20.83	peak

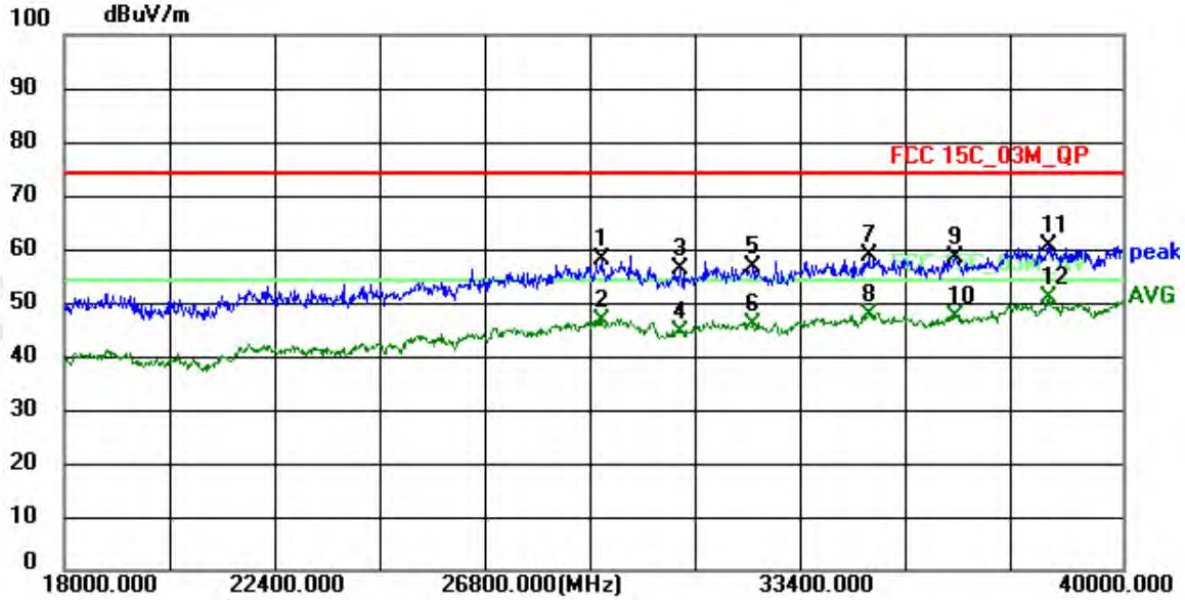


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	24226.0000	48.58	4.74	53.32	74.00	-20.68	peak
2	24226.0000	36.99	4.74	41.73	54.00	-12.27	AVG
3	29572.0000	49.13	9.19	58.32	74.00	-15.68	peak
4	29572.0000	37.91	9.19	47.10	54.00	-6.90	AVG
5	31486.0000	47.72	9.32	57.04	74.00	-16.96	peak
6	31486.0000	36.70	9.32	46.02	54.00	-7.98	AVG
7	34324.0000	48.43	9.73	58.16	74.00	-15.84	peak
8	34324.0000	37.82	9.73	47.55	54.00	-6.45	AVG
9	37118.0000	48.64	9.76	58.40	74.00	-15.60	peak
10	37118.0000	38.43	9.76	48.19	54.00	-5.81	AVG
11	38790.0000	53.17	9.06	62.23	74.00	-11.77	peak
12 *	38790.0000	40.68	9.06	49.74	54.00	-4.26	AVG

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	8DPSK-2480MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2479.0000	65.68	-15.26	50.42	74.00	-23.58	peak
2	7222.0000	50.20	-1.41	48.79	74.00	-25.21	peak
3	10061.0000	50.42	2.27	52.69	74.00	-21.31	peak
4 *	12526.0000	47.90	5.24	53.14	74.00	-20.86	peak
5	14005.0000	45.24	7.40	52.64	74.00	-21.36	peak
6	16096.0000	42.78	9.97	52.75	74.00	-21.25	peak



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	29176.0000	48.93	9.15	58.08	74.00	-15.92	peak
2	29176.0000	37.30	9.15	46.45	54.00	-7.55	AVG
3	30826.0000	47.28	9.02	56.30	74.00	-17.70	peak
4	30826.0000	35.50	9.02	44.52	54.00	-9.48	AVG
5	32322.0000	47.30	9.37	56.67	74.00	-17.33	peak
6	32322.0000	36.40	9.37	45.77	54.00	-8.23	AVG
7	34720.0000	48.70	9.95	58.65	74.00	-15.35	peak
8	34720.0000	37.84	9.95	47.79	54.00	-6.21	AVG
9	36524.0000	48.49	9.74	58.23	74.00	-15.77	peak
10	36524.0000	37.60	9.74	47.34	54.00	-6.66	AVG
11	38460.0000	51.57	9.08	60.65	74.00	-13.35	peak
12 *	38460.0000	41.66	9.08	50.74	54.00	-3.26	AVG

Remark:
1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit

6. RADIATED BAND EMISSION MEASUREMENT

6.1 Test Requirement

Test Requirement:	FCC Part15 C Section 15.209 and 15.205, RSS-Gen 8.9, RSS-Gen 8.10
Test Method:	ANSI C63.10: 2013
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

6.2 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:

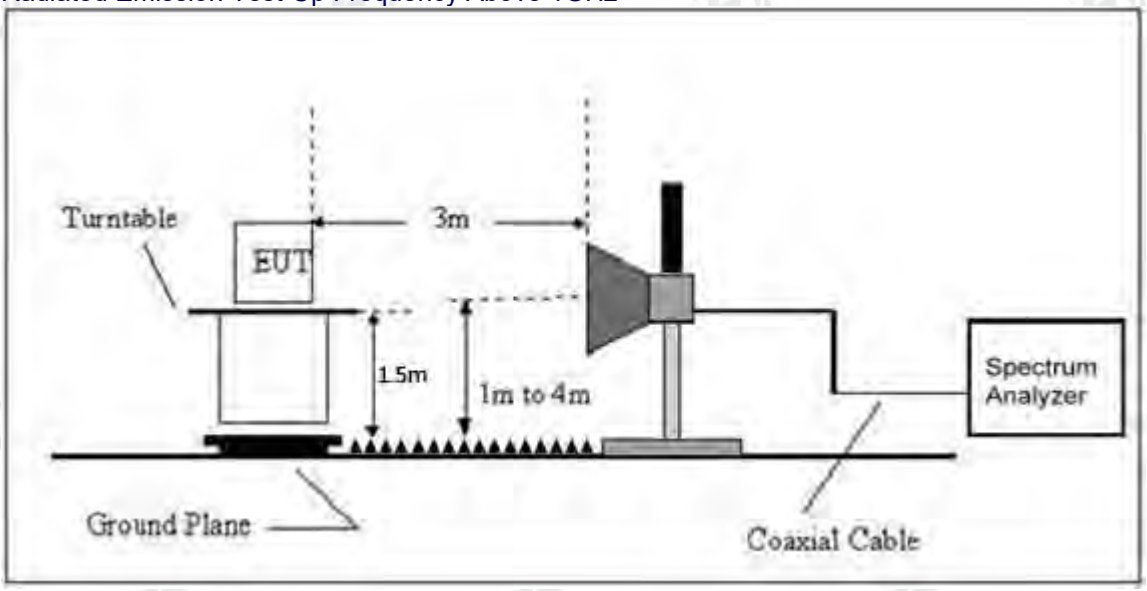
Both horizontal and vertical antenna polarities were tested
and performed pretest to three orthogonal axis. The worst case emissions were reported

6.3 DEVIATION FROM TEST STANDARD

No deviation

6.4 TEST SETUP

Radiated Emission Test-Up Frequency Above 1GHz

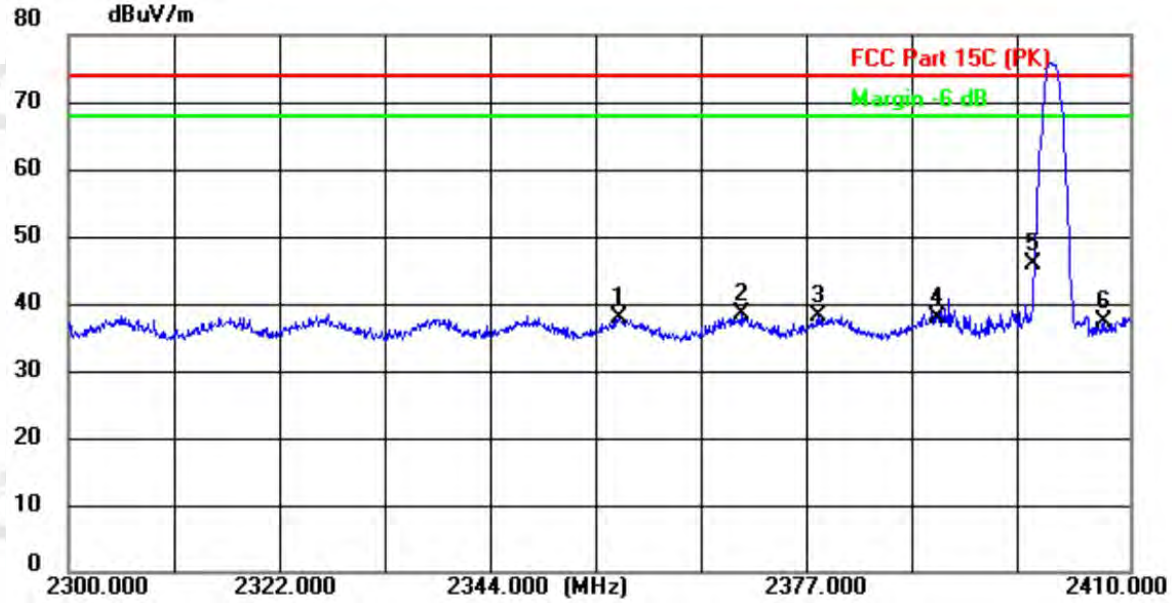


6.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

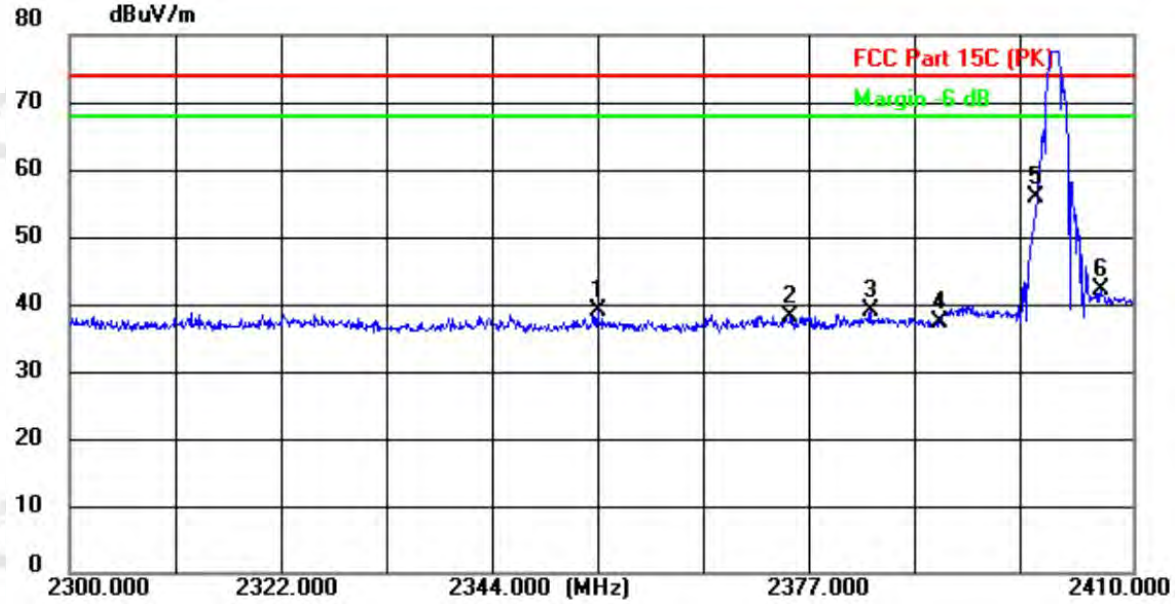
6.6 TEST RESULT

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	GFSK-2402MHz



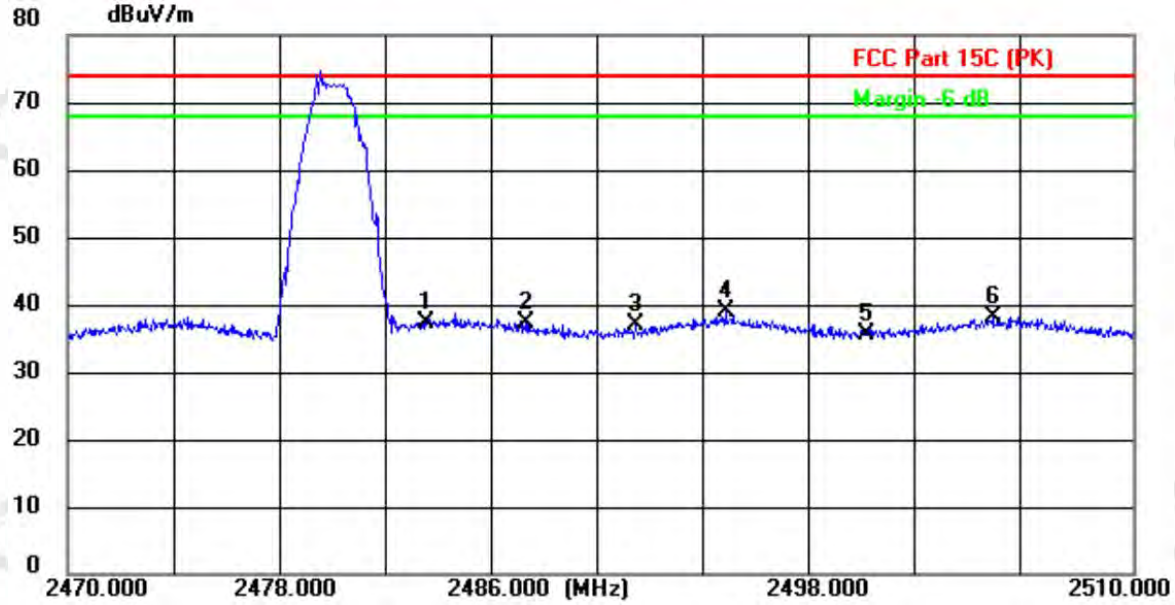
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2357.0900	53.53	-15.73	37.80	74.00	-36.20	peak
2	2369.8500	54.07	-15.69	38.38	74.00	-35.62	peak
3	2377.7700	53.74	-15.66	38.08	74.00	-35.92	peak
4	2390.0000	53.34	-15.61	37.73	74.00	-36.27	peak
5 *	2400.0000	61.46	-15.57	45.89	74.00	-28.11	peak
6	2407.2500	52.90	-15.53	37.37	74.00	-36.63	peak

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	GFSK-2402MHz



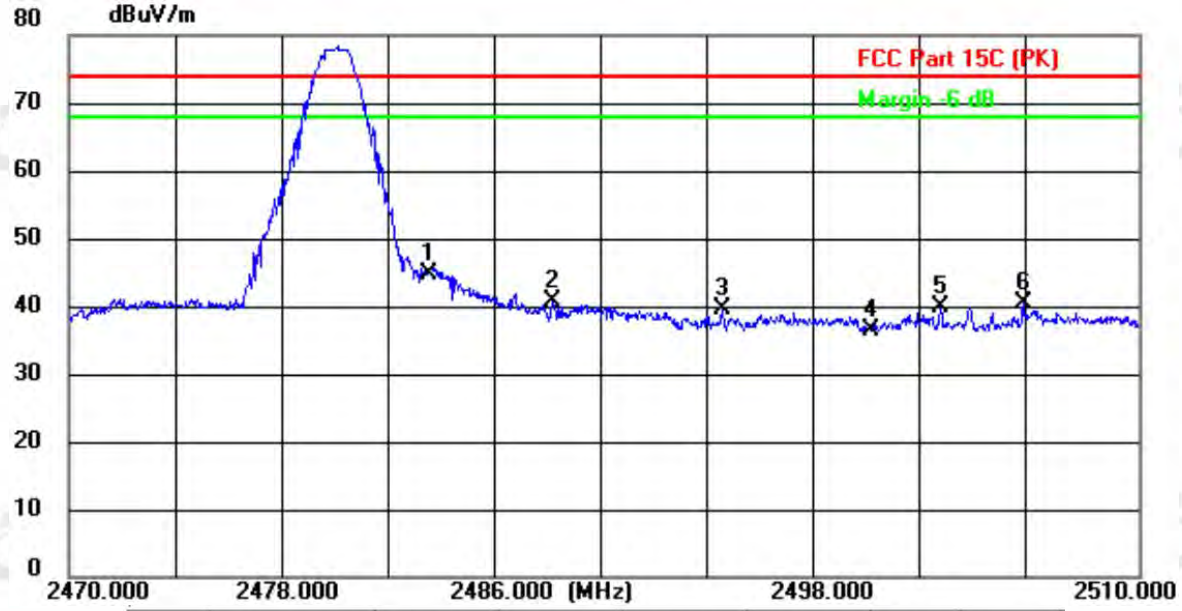
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2354.6700	54.60	-15.74	38.86	74.00	-35.14	peak
2	2374.5800	53.94	-15.67	38.27	74.00	-35.73	peak
3	2382.8300	54.57	-15.63	38.94	74.00	-35.06	peak
4	2390.0000	52.85	-15.61	37.24	74.00	-36.76	peak
5 *	2400.0000	71.35	-15.57	55.78	74.00	-18.22	peak
6	2406.7000	57.57	-15.55	42.02	74.00	-31.98	peak

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	GFSK-2480MHz



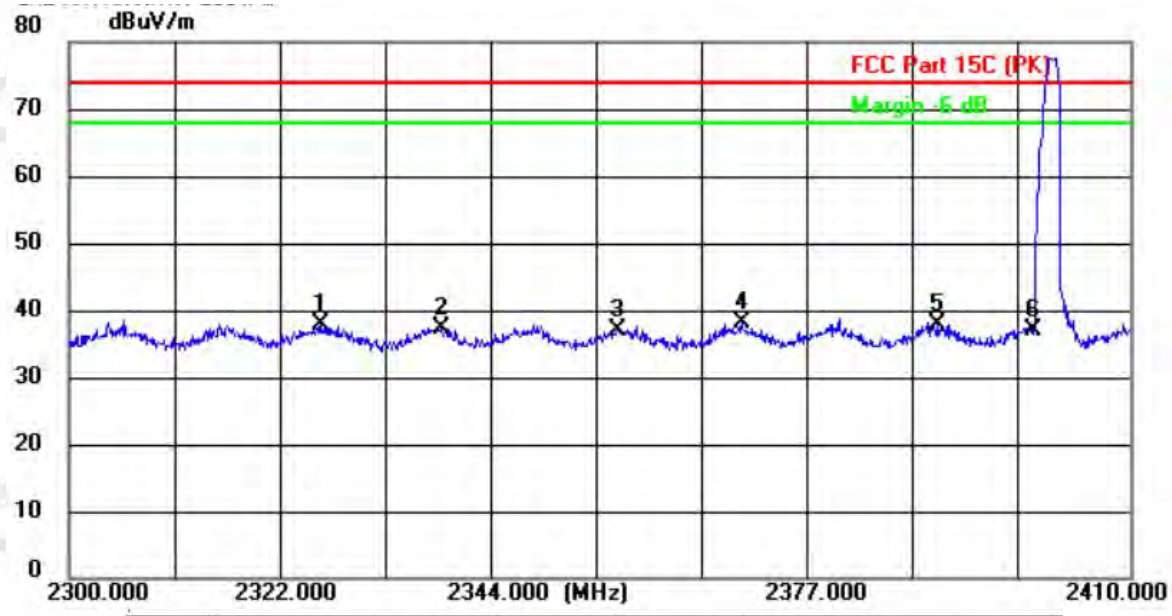
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.5000	52.55	-15.24	37.31	74.00	-36.69	peak
2	2487.2000	52.43	-15.23	37.20	74.00	-36.80	peak
3	2491.3200	52.11	-15.21	36.90	74.00	-37.10	peak
4 *	2494.7200	54.19	-15.19	39.00	74.00	-35.00	peak
5	2500.0000	50.71	-15.18	35.53	74.00	-38.47	peak
6	2504.7600	53.42	-15.15	38.27	74.00	-35.73	peak

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	GFSK-2480MHz



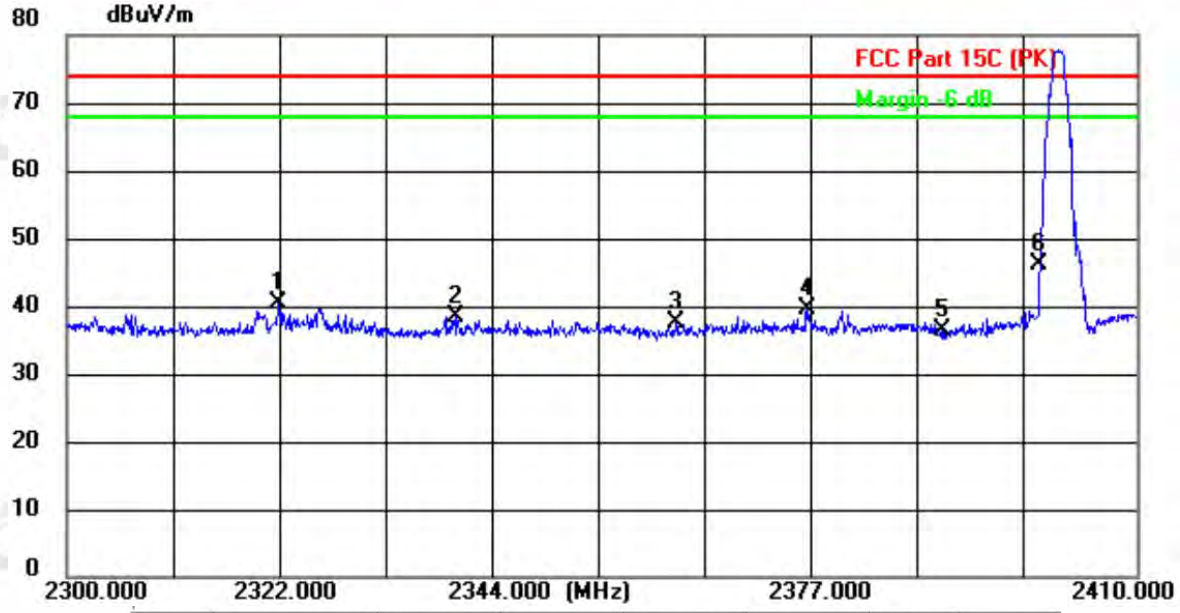
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	2483.5000	59.86	-15.24	44.62	74.00	-29.38	peak
2	2488.0800	55.86	-15.23	40.63	74.00	-33.37	peak
3	2494.4400	54.74	-15.19	39.55	74.00	-34.45	peak
4	2500.0000	51.63	-15.18	36.45	74.00	-37.55	peak
5	2502.6000	55.13	-15.16	39.97	74.00	-34.03	peak
6	2505.6800	55.50	-15.15	40.35	74.00	-33.65	peak

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	π/4DQPSK--2402MHz



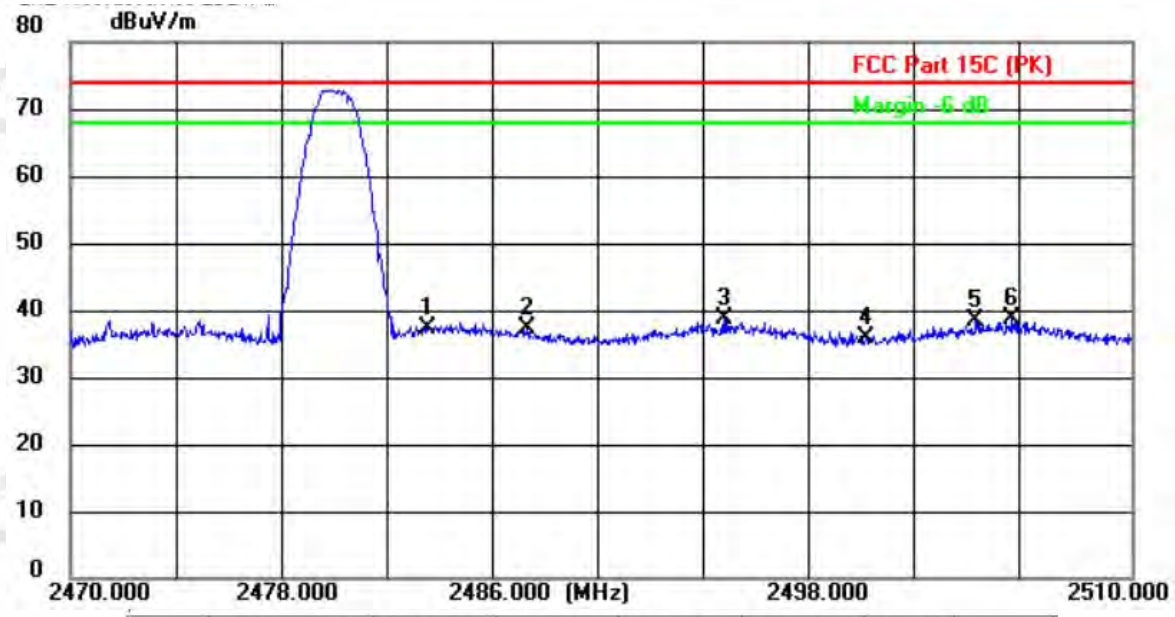
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2326.1800	53.61	-15.85	37.76	74.00	-36.24	peak
2	2338.6100	53.19	-15.81	37.38	74.00	-36.62	peak
3	2356.8700	52.80	-15.73	37.07	74.00	-36.93	peak
4 *	2369.7400	53.72	-15.69	38.03	74.00	-35.97	peak
5	2390.0000	53.48	-15.61	37.87	74.00	-36.13	peak
6	2400.0000	52.51	-15.57	36.94	74.00	-37.06	peak

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	π/4DQPSK--2402MHz



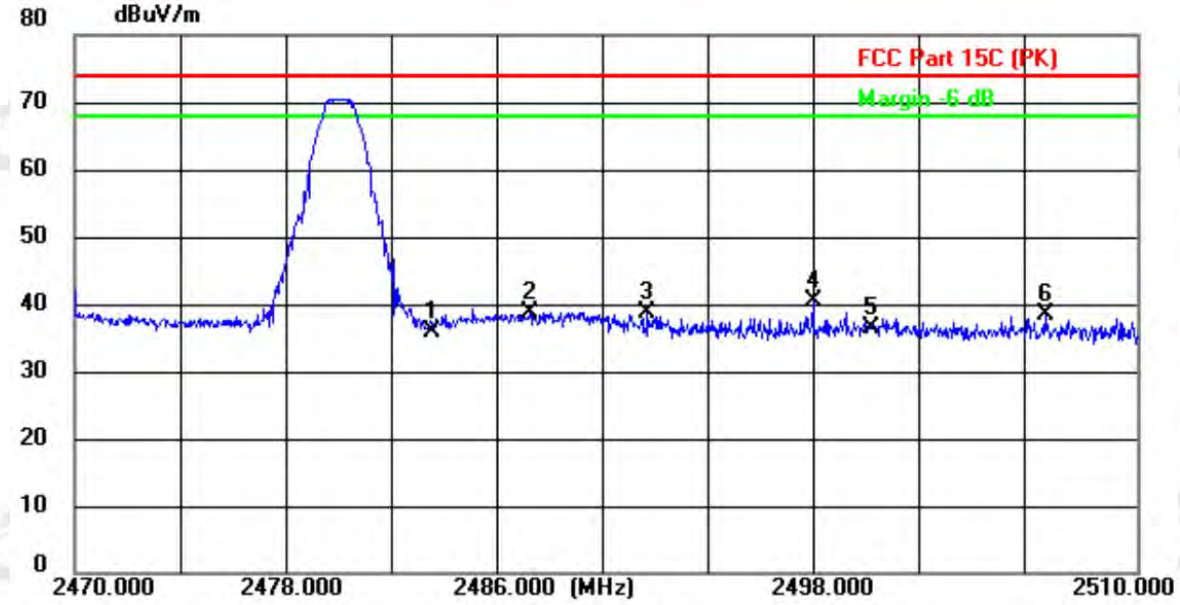
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2321.7800	56.17	-15.87	40.30	74.00	-33.70	peak
2	2339.9300	54.14	-15.80	38.34	74.00	-35.66	peak
3	2362.7000	53.18	-15.71	37.47	74.00	-36.53	peak
4	2376.1200	55.15	-15.66	39.49	74.00	-34.51	peak
5	2390.0000	52.01	-15.61	36.40	74.00	-37.60	peak
6 *	2400.0000	61.67	-15.57	46.10	74.00	-27.90	peak

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	π/4DQPSK--2480MHz



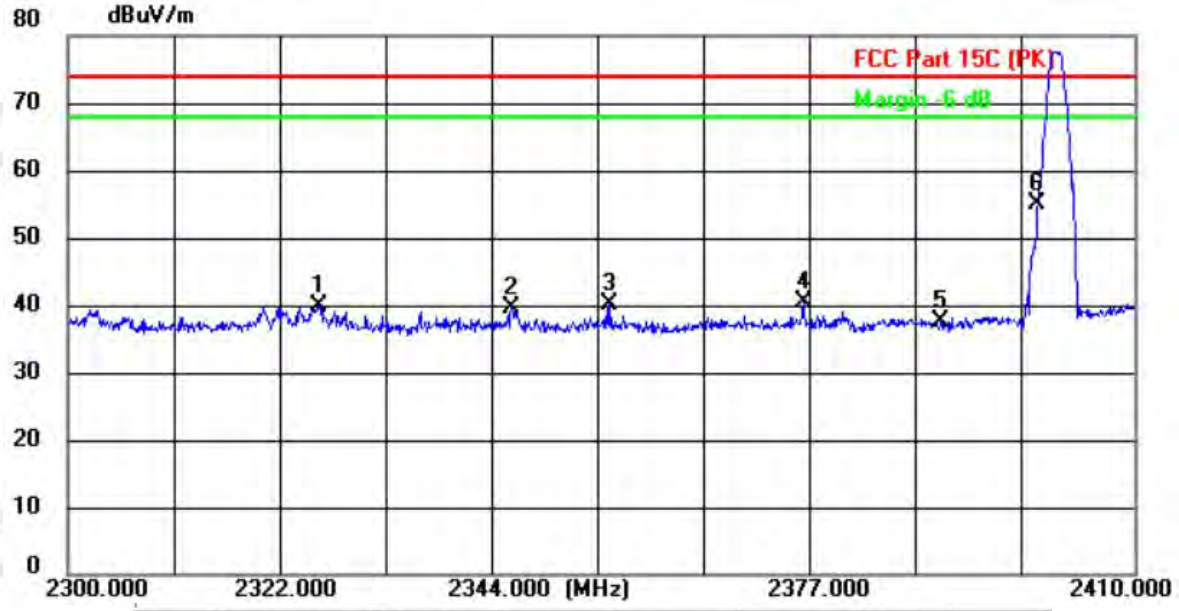
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.5000	52.46	-15.24	37.22	74.00	-36.78	peak
2	2487.2400	52.60	-15.23	37.37	74.00	-36.63	peak
3 *	2494.6399	53.99	-15.19	38.80	74.00	-35.20	peak
4	2500.0000	51.08	-15.18	35.90	74.00	-38.10	peak
5	2504.1200	53.71	-15.16	38.55	74.00	-35.45	peak
6	2505.5200	53.74	-15.15	38.59	74.00	-35.41	peak

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	π/4DQPSK--2480MHz



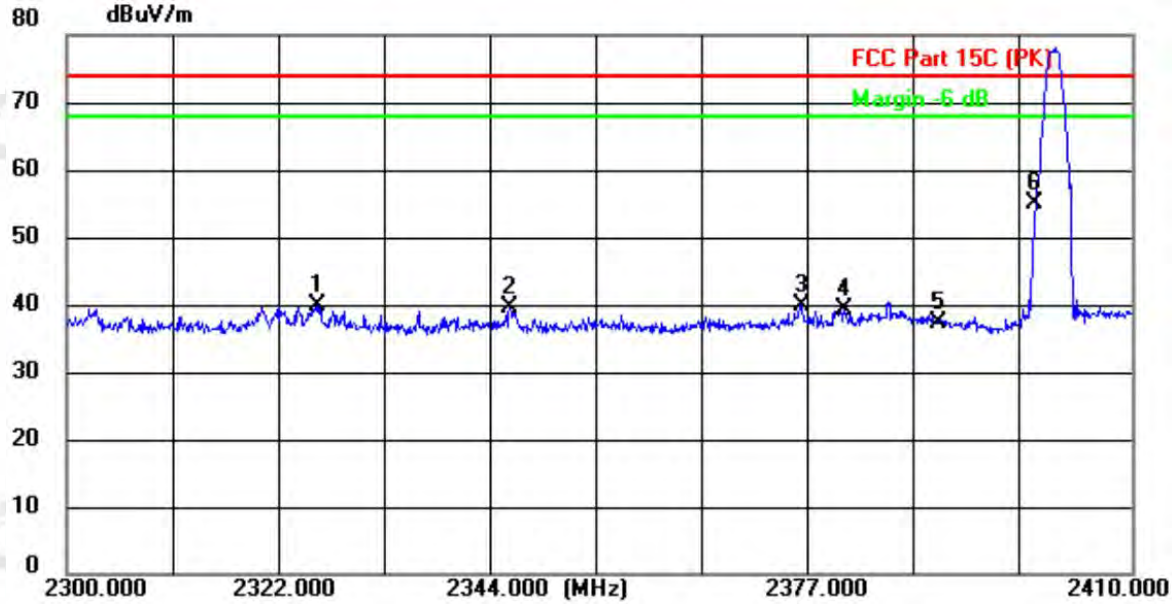
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.5000	51.15	-15.24	35.91	74.00	-38.09	peak
2	2487.1200	53.98	-15.23	38.75	74.00	-35.25	peak
3	2491.5600	53.93	-15.21	38.72	74.00	-35.28	peak
4 *	2497.8000	55.72	-15.18	40.54	74.00	-33.46	peak
5	2500.0000	51.62	-15.18	36.44	74.00	-37.56	peak
6	2506.5600	53.61	-15.15	38.46	74.00	-35.54	peak

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	8DPSK--2402MHz



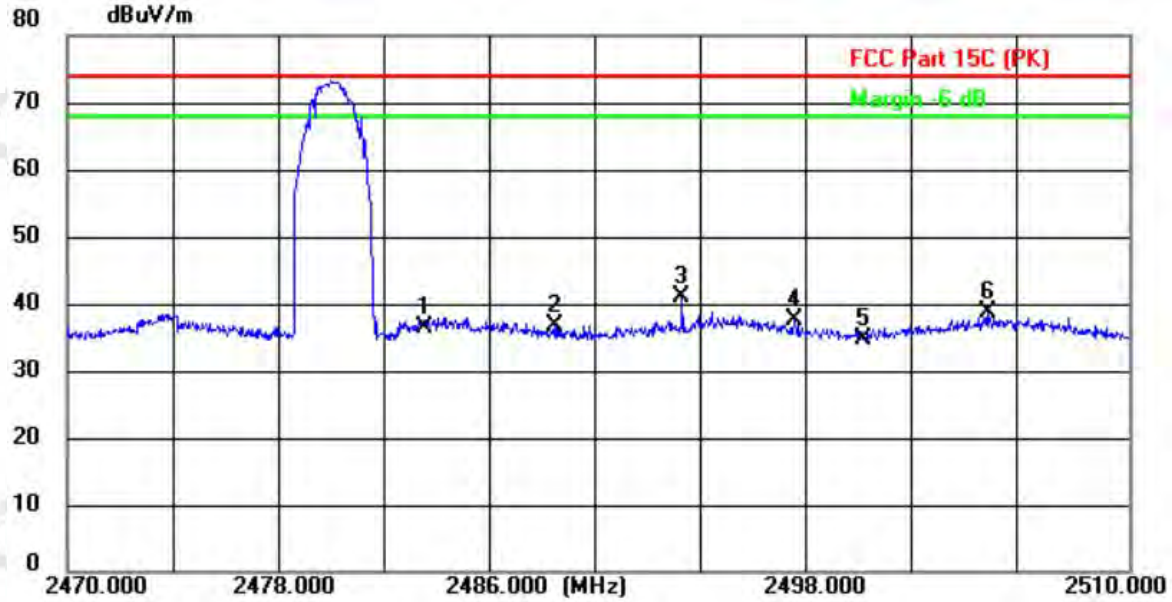
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2325.8500	55.67	-15.85	39.82	74.00	-34.18	peak
2	2345.7600	55.32	-15.78	39.54	74.00	-34.46	peak
3	2355.9900	55.82	-15.74	40.08	74.00	-33.92	peak
4	2375.9000	56.06	-15.66	40.40	74.00	-33.60	peak
5	2390.0000	53.06	-15.61	37.45	74.00	-36.55	peak
6 *	2400.0000	70.49	-15.57	54.92	74.00	-19.08	peak

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	π8DPSK-2402MHz



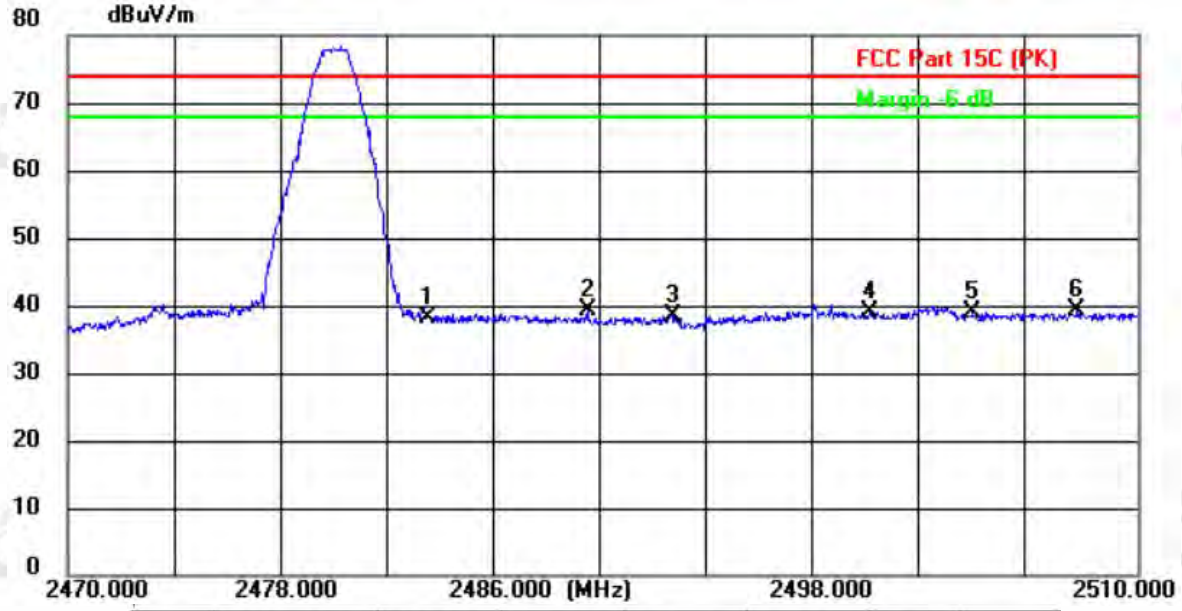
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2325.8500	55.67	-15.85	39.82	74.00	-34.18	peak
2	2345.7600	55.32	-15.78	39.54	74.00	-34.46	peak
3	2375.9000	55.56	-15.66	39.90	74.00	-34.10	peak
4	2380.3000	54.84	-15.64	39.20	74.00	-34.80	peak
5	2390.0000	52.98	-15.61	37.37	74.00	-36.63	peak
6 *	2400.0000	70.49	-15.57	54.92	74.00	-19.08	peak

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	8DPSK-2480MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.5000	51.70	-15.24	36.46	74.00	-37.54	peak
2	2488.3600	51.88	-15.23	36.65	74.00	-37.35	peak
3 *	2493.1600	56.13	-15.20	40.93	74.00	-33.07	peak
4	2497.4000	52.65	-15.19	37.46	74.00	-36.54	peak
5	2500.0000	49.81	-15.18	34.63	74.00	-39.37	peak
6	2504.6800	53.87	-15.15	38.72	74.00	-35.28	peak

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	8DPSK-2480MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.5000	53.36	-15.24	38.12	74.00	-35.88	peak
2 *	2489.4400	54.60	-15.22	39.38	74.00	-34.62	peak
3	2492.6000	53.77	-15.21	38.56	74.00	-35.44	peak
4	2500.0000	54.13	-15.18	38.95	74.00	-35.05	peak
5	2503.8400	54.24	-15.16	39.08	74.00	-34.92	peak
6	2507.7600	54.42	-15.13	39.29	74.00	-34.71	peak

Remark:
1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit

7. CONDUCTED BAND EDGE AND SPURIOUS EMISSION

Test Requirement:	FCC Part15 C Section 15.247 (d), RSS-247 5.5
Test Method:	ANSI C63.10

7.1 Limit

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 com-plies 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.

According to RSS-247§5.5 and RSS-Gen§8.9, 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. Attenuation below the general limits specified in Section 15.209(a) or RSS-Gen is not required.

7.2 Test Setup

7.3 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.

7.4 DEVIATION FROM STANDARD

No deviation.

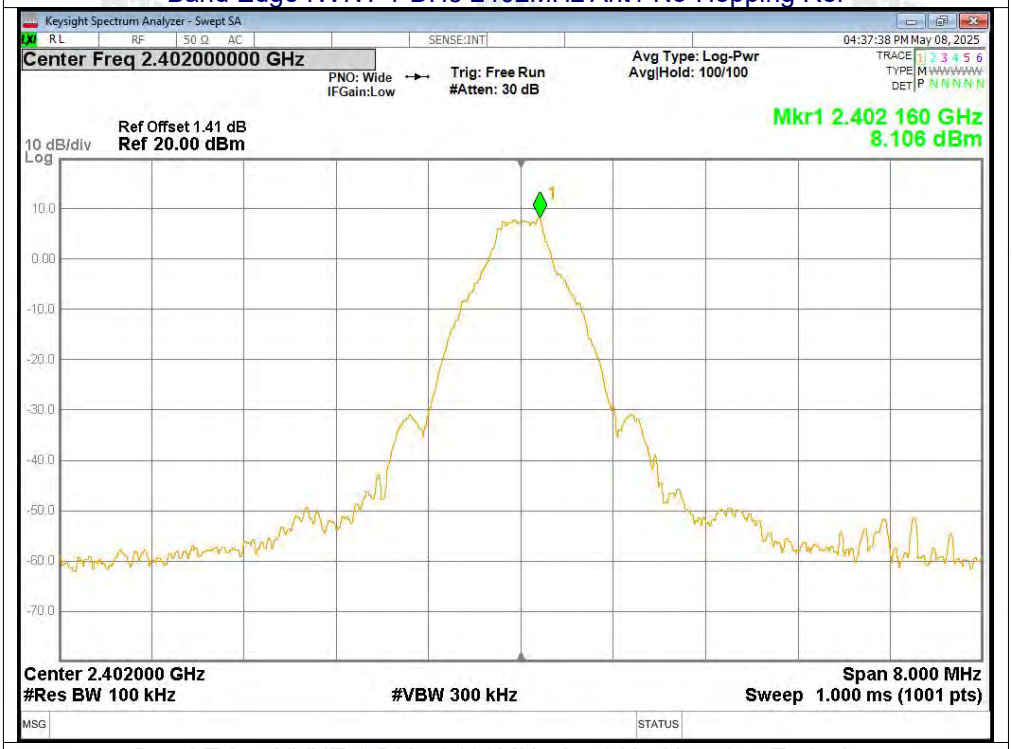
7.5 Test Result

Band Edge

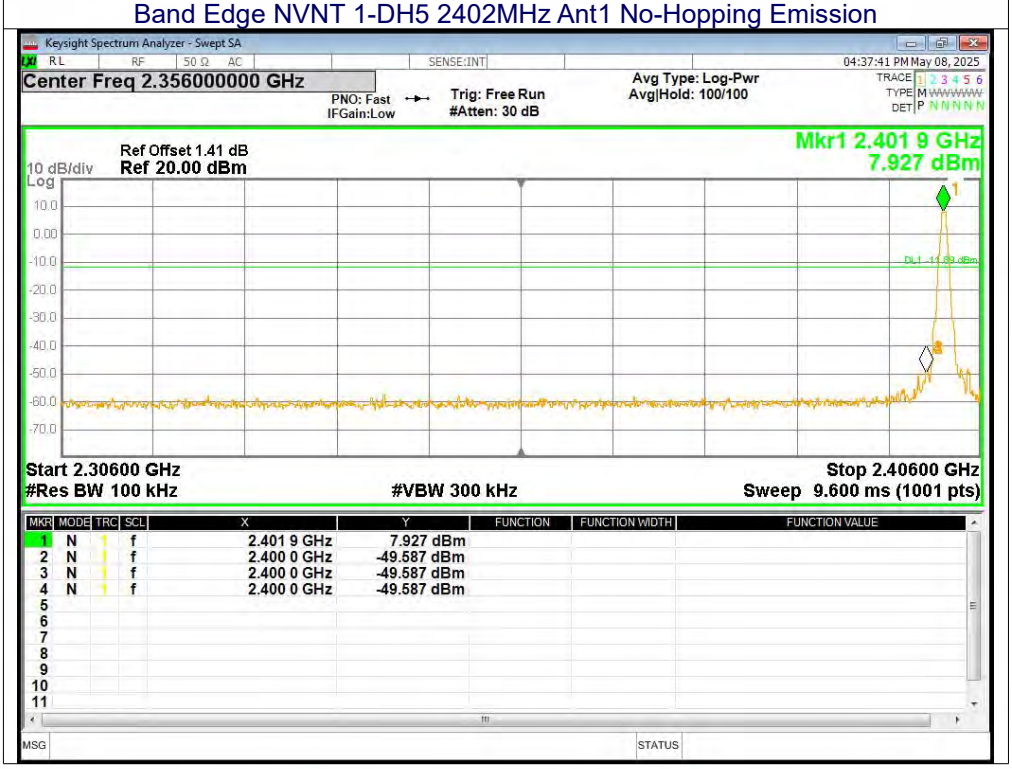
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-57.69	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-65.50	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-54.23	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-60.15	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-54.63	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-63.27	-20	Pass

Test Graphs

Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref

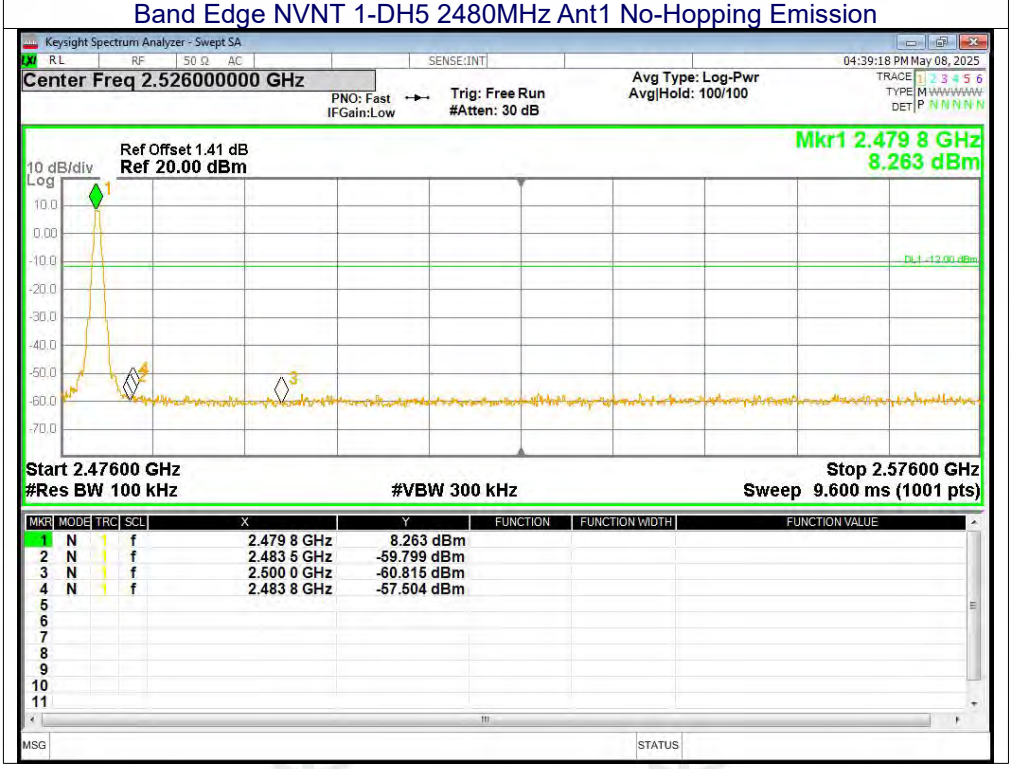


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

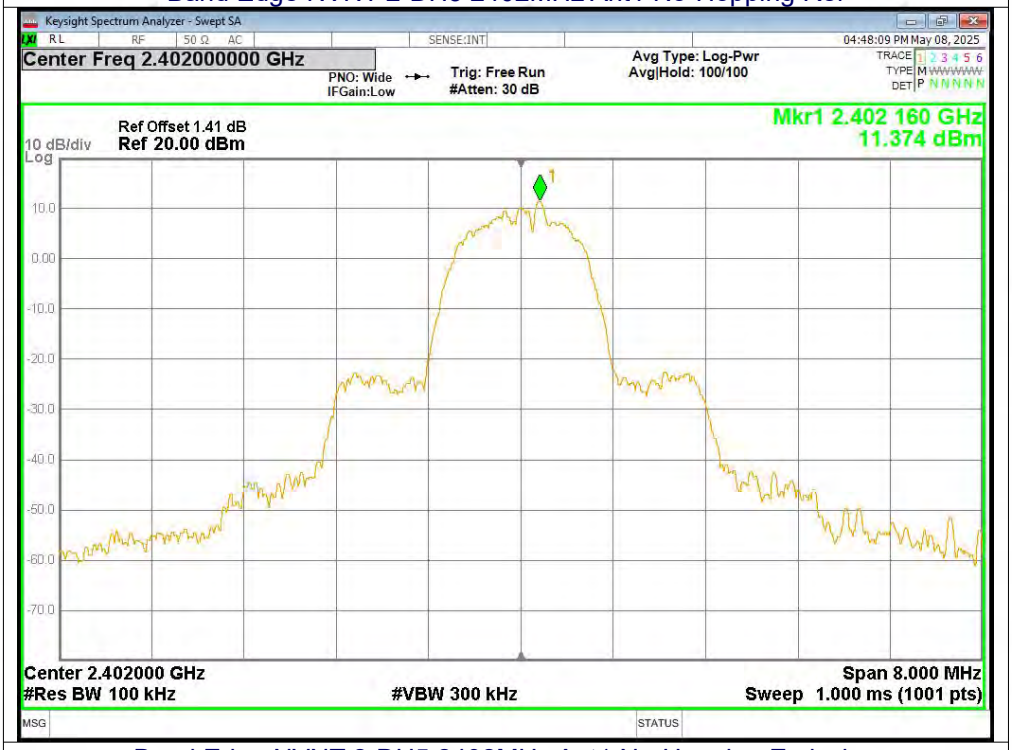


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

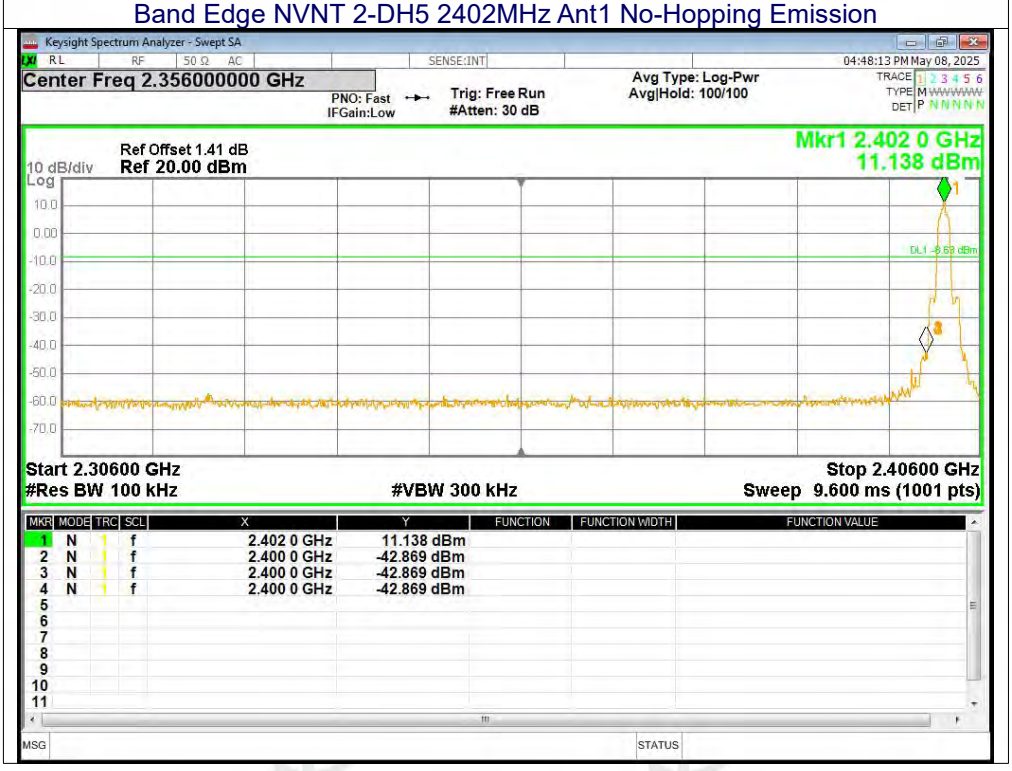
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

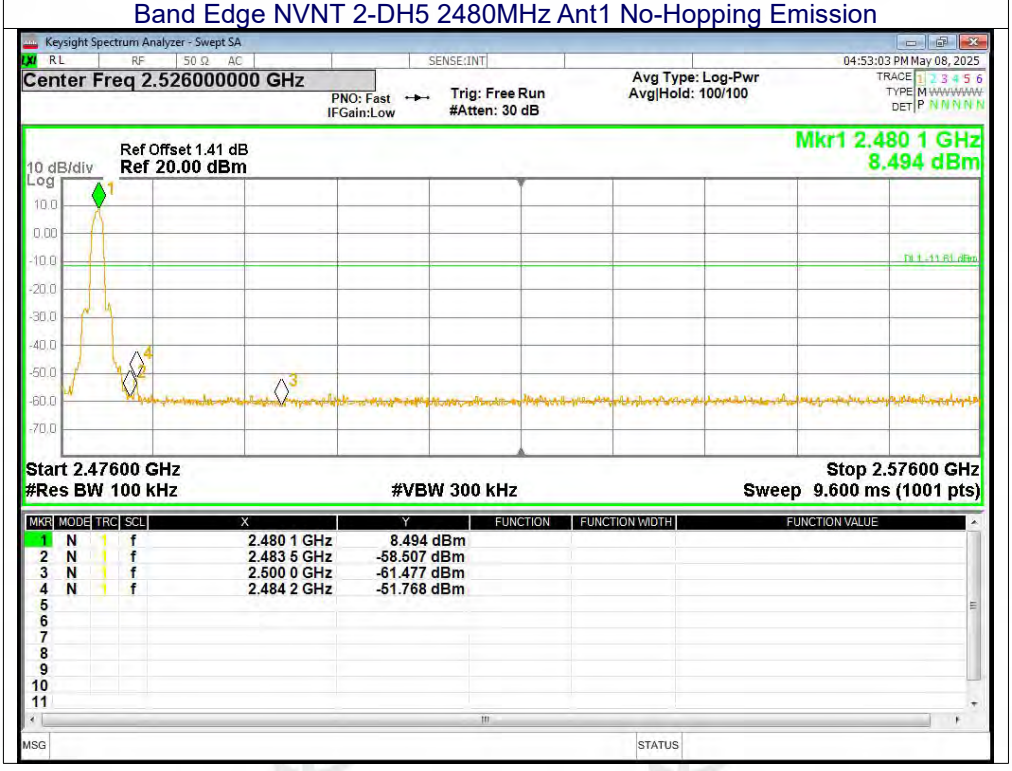


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



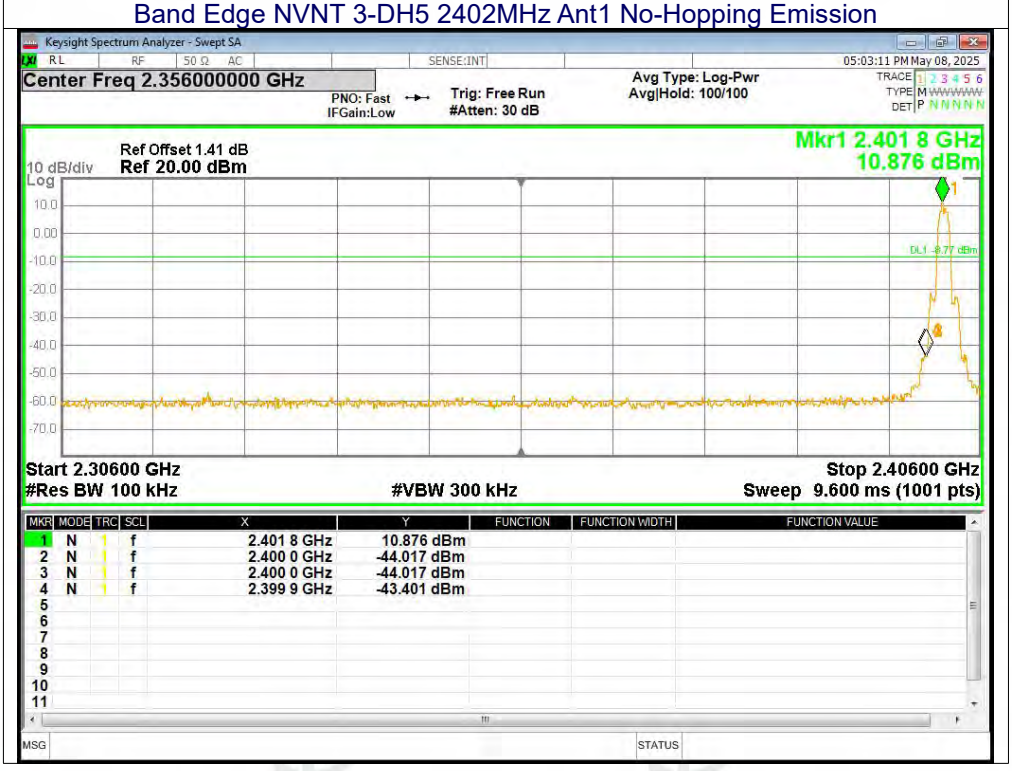
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref

Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



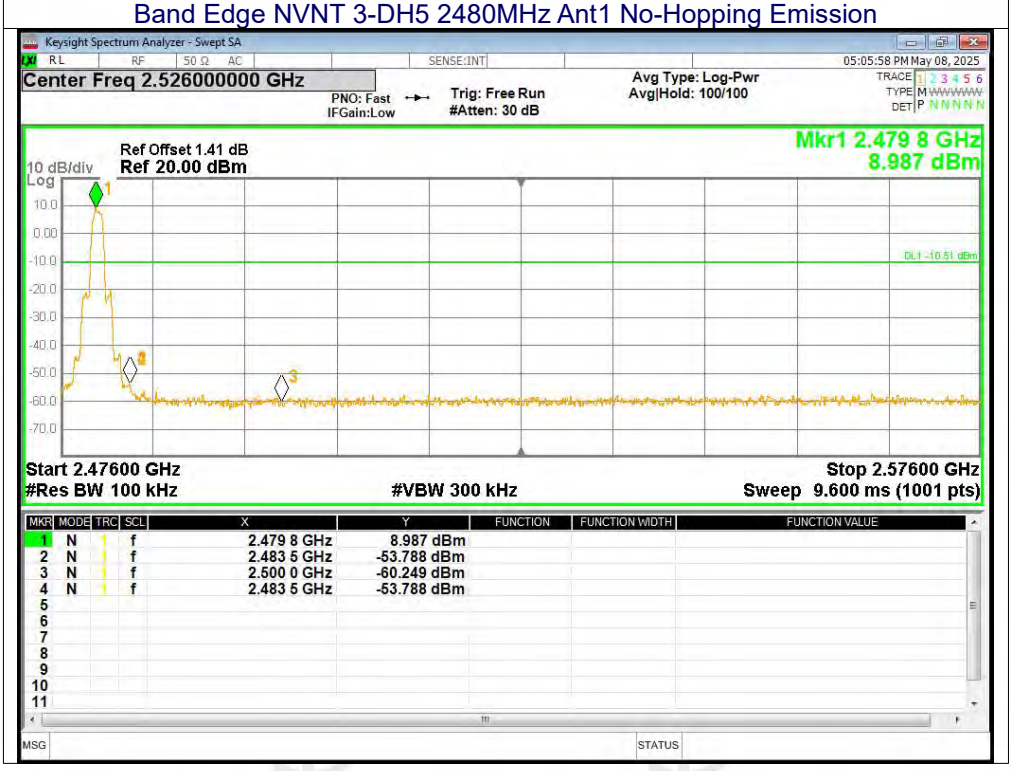
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref

Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission



Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref

Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission

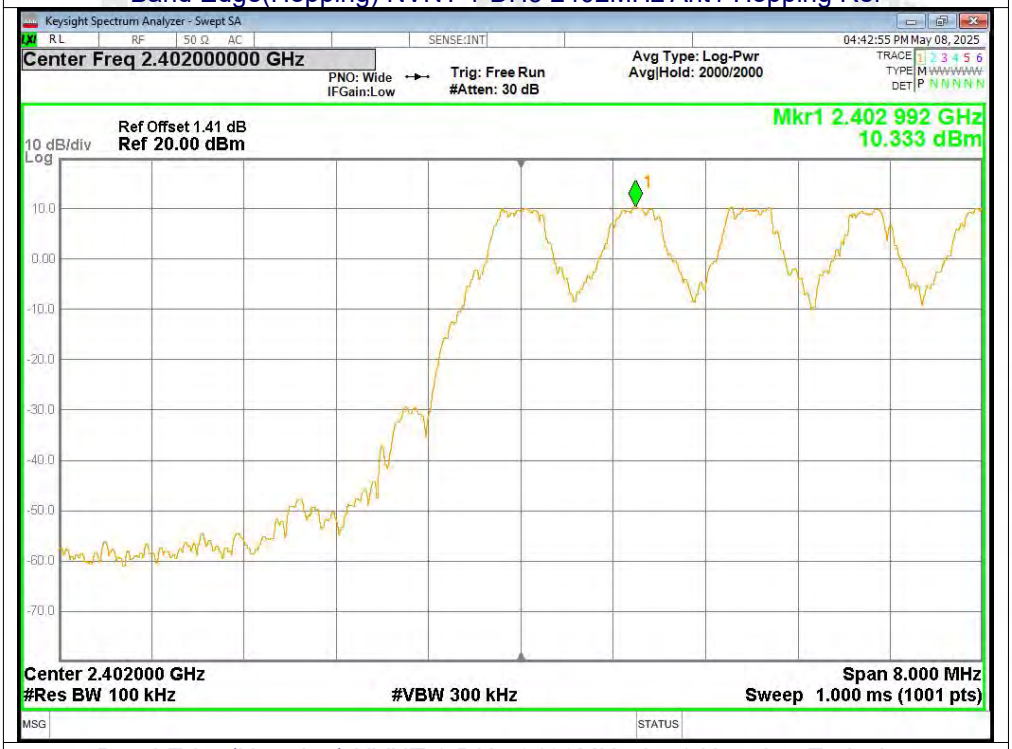


Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-65.76	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-66.16	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-67.67	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-66.95	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-67.36	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-67.44	-20	Pass

Test Graphs

Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission

Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref

Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission