

FCC TEST REPORT

FCC ID:AUSCR3080A

Report No..... : ZHT-241230003W01

Product..... : Duo 2-in-1 Stereo Portable Bluetooth Speaker

Trademark..... : CROSLEY

Model(s)..... : CR3080A, CR3080A-DU, CR3080A-GL, CR3080A-XX, CR3080X-XX
(X-XXXX can be replaced by letter from "A"to"Z" number from "0" to "9")

Model Difference..... : CR3080A is tested model, other models are derivative models .The models are identical in circuit, only different on the model names and appearance color. So the test data of CR3080A can represent the remaining models.

Applicant..... : Modern Marketing Concepts, Inc.

Address..... : 1220 East Oak Street, Louisville, Kentucky 40204, United States

Manufacturer..... : Modern Marketing Concepts, Inc.

Address..... : 1220 East Oak Street, Louisville, Kentucky 40204, United States

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. 3, 2025

Date of Test(s)..... : May. 3, 2025 to May. 9, 2025

Date of Issue..... : May. 9, 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/ 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.



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1. VERSION

Report No.	Version	Description	Approved
ZHT-241230003W01	Rev.01	Initial issue of report	May. 9, 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	PASS	
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:	Duo 2-in-1 Stereo Portable Bluetooth Speaker
Test Model No.:	CR3080A
Hardware Version:	V1.0
Software Version:	V1.0
Sample(s) Status:	Engineer sample
Channel numbers:	79
Channel separation:	2402MHz-2480MHz
Modulation technology:	GFSK, $\pi/4$ DQPSK, 8DPSK
Antenna Type:	PCB Antenna
Antenna gain:	-0.58dBi
Power supply:	Input: Type-C DC 5V or DC 3.7V by battery
Sample Number:	241230003YP-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

Conducted Emission

Adapter

EUT

Radiated Emission

EUT

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
E-1	Adapter	N/A	HW-059200CHQ	N/A	AE

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) The test software is the Bluetooth RF Test Tool which can set the EUT into the individual test modes.TX Power:7

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, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, 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 10, 2024	May 09, 2025
2	Loop antenna	EMCI	LAP600	272	May 10, 2024	May 09, 2025
3	Amplifier	Schwarzbeck	BBV 9743 B	00378	May 10, 2024	May 09, 2025
4	Amplifier	Schwarzbeck	BBV 9718 B	00040	May 10, 2024	May 09, 2025
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	May 10, 2024	May 09, 2025
8	Amplifier	AEROFLEX	100KHz-40GHz	097	May 10, 2024	May 09, 2025
9	Spectrum Analyzer	R&S	FSV40	101413	May 16, 2024	May 15, 2025
10	Spectrum Analyzer	KEYSIGHT	N9020A	MY53420208	May 10, 2024	May 09, 2025
11	WIDBAND RADIO COMMUNICATION TESTER	R&S	CMW500	109863	May 10, 2024	May 09, 2025
12	Single Generator	Agilent	N5182A	MY48180575	May 10, 2024	May 09, 2025
13	Power Sensor	MWRFTest	MW100-RFCB	/	May 10, 2024	May 09, 2025
14	Power Amplifier Shielding Room	EMToni	2m3m3m	/	Nov. 25, 2021	Nov. 24, 2024
15	CABLE	EMToni	DA800-NM-NM-11000MM	/	May 10, 2024	May 09, 2025

Conduction Test equipment



Equipment	Manufacturer	Model	Serial No.	Last Cal.	Next Cal.
Receiver	R&S	ESCI	100874	May 10, 2024	May 09, 2025
LISN	R&S	ENV216	102794	May 10, 2024	May 09, 2025
ISN CAT 6	Schwarzbeck	NTFM 8158	00318	May 10, 2024	May 09, 2025
ISN CAT 5	Schwarzbeck	CAT5 8158	00343	May 10, 2024	May 09, 2025
Capacitive Voltage Probe	Schwarzbeck	CVP 9222 C	00101	May 10, 2024	May 09, 2025
Current Transformer Clamp	Schwarzbeck	SW 9605	SW9605 #209	May 10, 2024	May 09, 2025
CABLE	EMToni	G223-NM-BNCM-2000MM	/	May 10, 2024	May 09, 2025

Conducted Test equipment

Item	Equipment	Manufacturer	Model	Serial No.	Last Cal.	Next Cal.
1	Spectrum Analyzer	R&S	FSV40	101413	May 10, 2024	May 09, 2025
2	Spectrum Analyzer	KEYSIGHT	N9020A	MY53420208	May 10, 2024	May 09, 2025
3	Power Sensor	MWRFTest	MW100-RFCB	/	May 10, 2024	May 09, 2025

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 $y \pm U$, 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	Conducted Emission Test	$\pm 1.38\text{dB}$
2	RF conducted power	$\pm 0.16\text{dB}$
3	Conducted spurious emissions	$\pm 0.21\text{dB}$
4	All radiated emissions (9k-30MHz)	$\pm 4.68\text{dB}$
5	All radiated emissions (<1G)	$\pm 4.68\text{dB}$
6	All radiated emissions (>1G)	$\pm 4.89\text{dB}$
7	Temperature	$\pm 0.5^{\circ}\text{C}$
8	Humidity	$\pm 2\%$
9	Occupied Bandwidth	$\pm 4.96\text{dB}$

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.

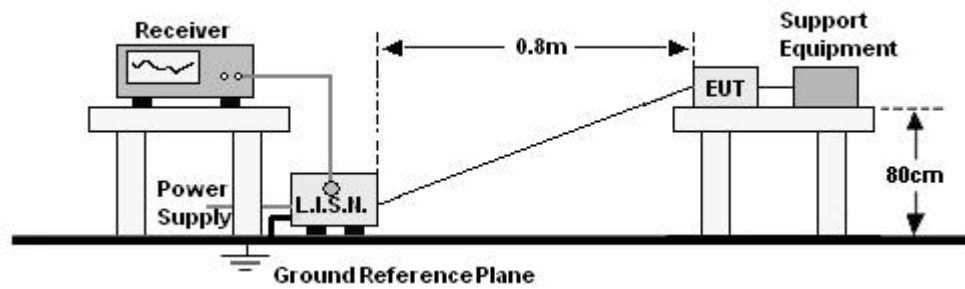
5.1.2 TEST PROCEDURE

- 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.

5.1.3 DEVIATION FROM TEST STANDARD

No deviation

5.1.4 TEST SETUP



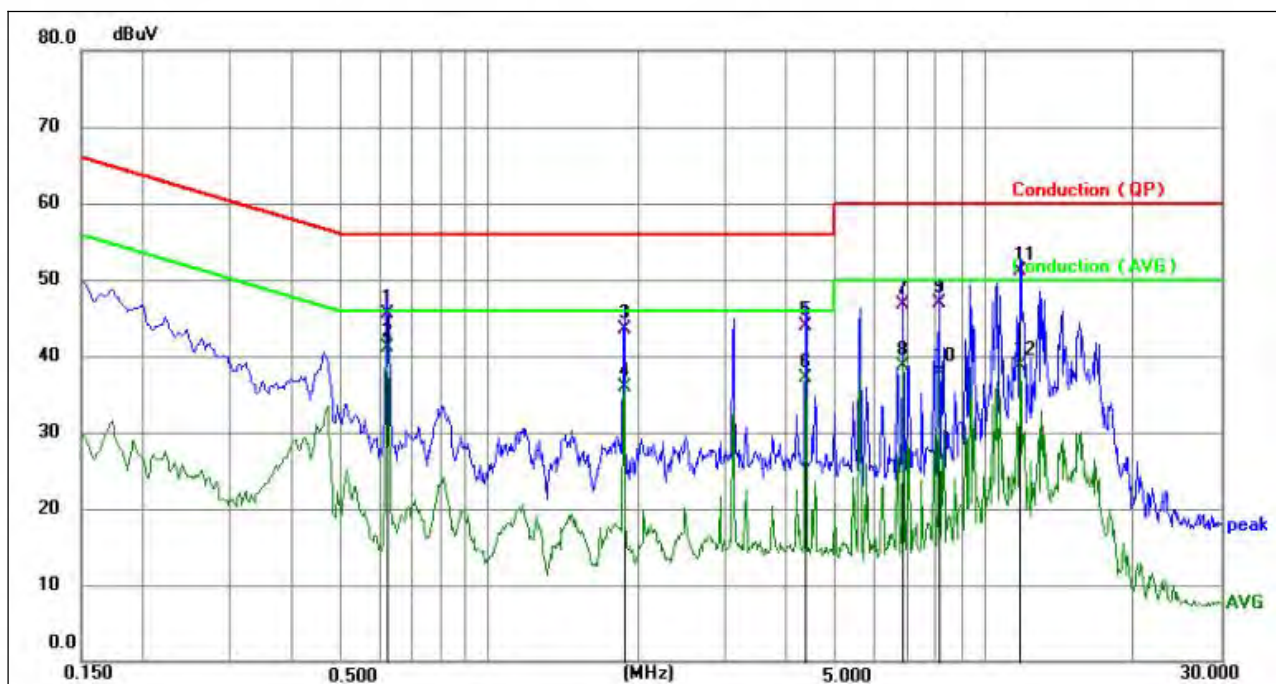
5.1.5 EUT OPERATING CONDITIONS

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



Temperature:	24.3℃	Relative Humidity :	53.2%
Pressure:	1010kPa	Phase :	L
Test Voltage:	AC 120V/60Hz		

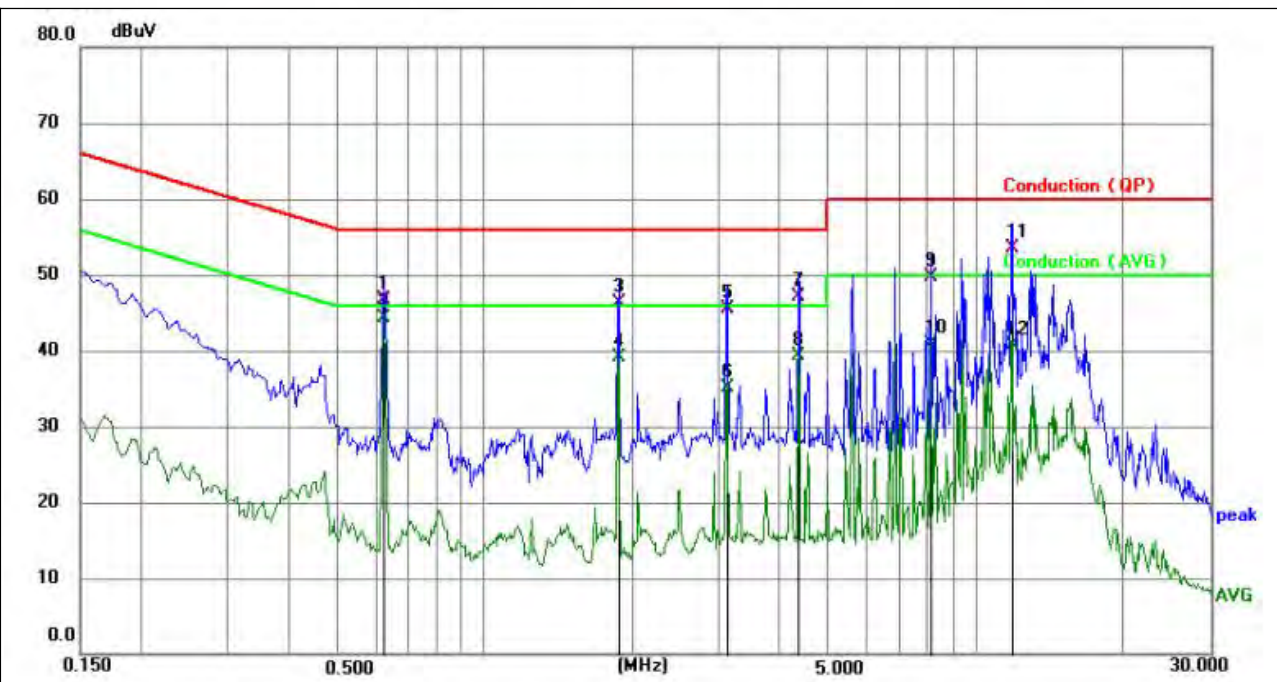


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.6225	35.52	10.03	45.55	56.00	-10.45	QP	P	
2 *	0.6225	31.03	10.03	41.06	46.00	-4.94	AVG	P	
3	1.8690	33.53	10.06	43.59	56.00	-12.41	QP	P	
4	1.8690	25.88	10.06	35.94	46.00	-10.06	AVG	P	
5	4.3484	33.75	10.10	43.85	56.00	-12.15	QP	P	
6	4.3484	26.92	10.10	37.02	46.00	-8.98	AVG	P	
7	6.8460	36.54	10.11	46.65	60.00	-13.35	QP	P	
8	6.8460	28.68	10.11	38.79	50.00	-11.21	AVG	P	
9	8.0924	36.82	10.09	46.91	60.00	-13.09	QP	P	
10	8.0924	27.80	10.09	37.89	50.00	-12.11	AVG	P	
11	11.8004	40.98	10.09	51.07	60.00	-8.93	QP	P	
12	11.8004	28.62	10.09	38.71	50.00	-11.29	AVG	P	

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 8DPSK mode (Middle Channel:2441MHz).

Temperature:	24.3℃	Relative Humidity :	53.2%
Pressure:	1010kPa	Phase :	N
Test Voltage:	AC 120V/60Hz		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.6225	36.76	10.03	46.79	56.00	-9.21	QP	P	
2 *	0.6225	34.23	10.03	44.26	46.00	-1.74	AVG	P	
3	1.8690	36.20	10.06	46.26	56.00	-9.74	QP	P	
4	1.8690	29.09	10.06	39.15	46.00	-6.85	AVG	P	
5	3.1155	35.36	10.07	45.43	56.00	-10.57	QP	P	
6	3.1155	25.12	10.07	35.19	46.00	-10.81	AVG	P	
7	4.3530	37.03	10.10	47.13	56.00	-8.87	QP	P	
8	4.3530	29.25	10.10	39.35	46.00	-6.65	AVG	P	
9	8.0970	39.71	10.09	49.80	60.00	-10.20	QP	P	
10	8.0970	30.89	10.09	40.98	50.00	-9.02	AVG	P	
11	11.8095	43.42	10.09	53.51	60.00	-6.49	QP	P	
12	11.8095	30.60	10.09	40.69	50.00	-9.31	AVG	P	

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 8DPSK mode (Middle Channel:2441MHz).



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 (micроволts/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 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:

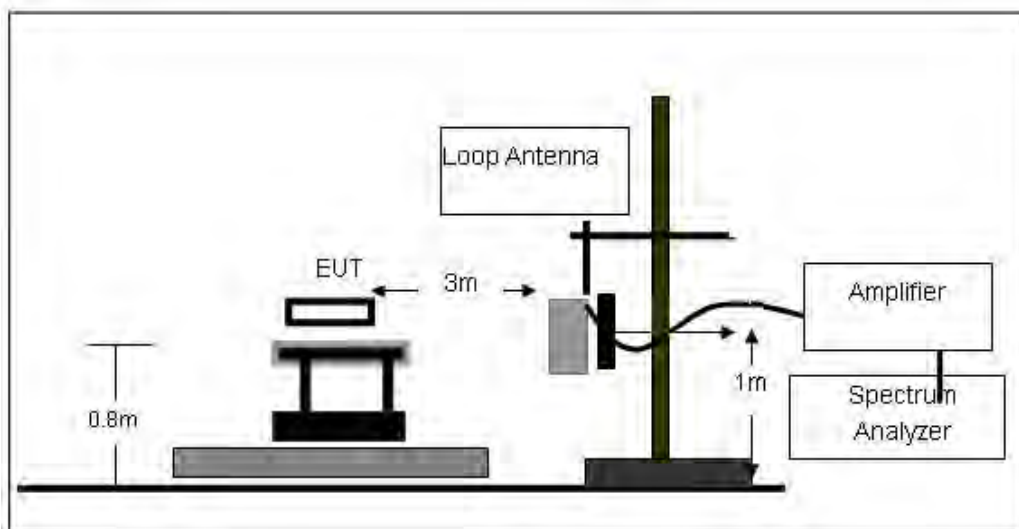
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

5.2.3 DEVIATION FROM TEST STANDARD

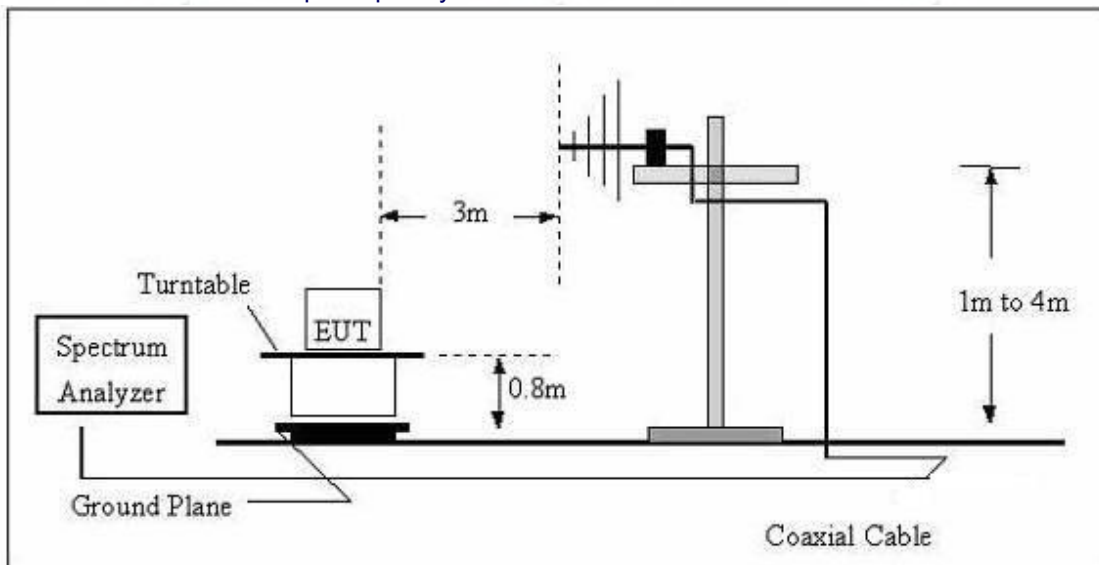
No deviation

5.2.4 TEST SETUP

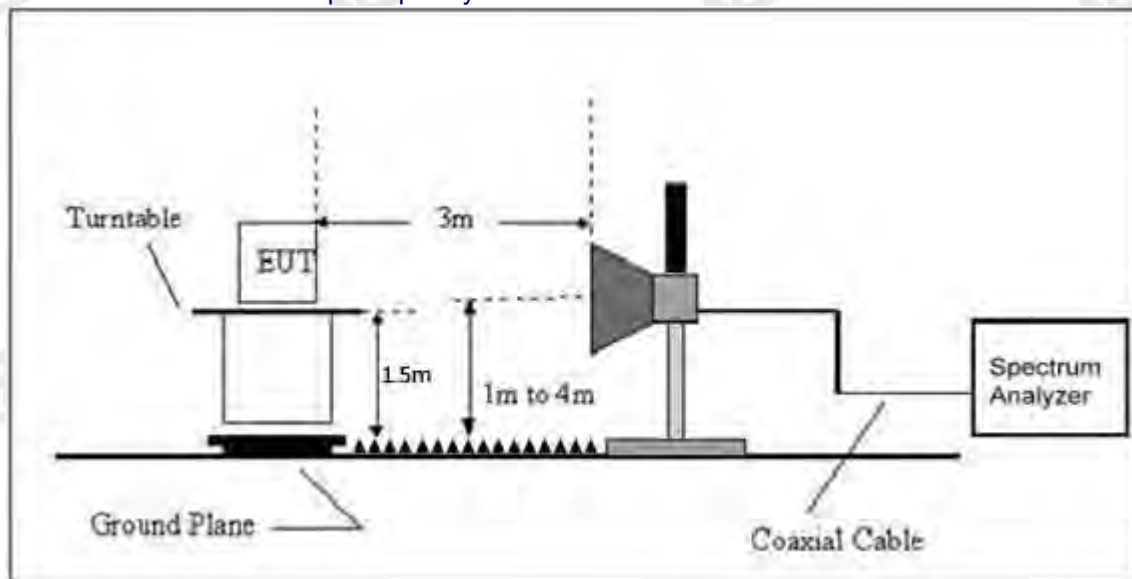
(A) Radiated Emission Test-Up Frequency Below 30MHz



(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.

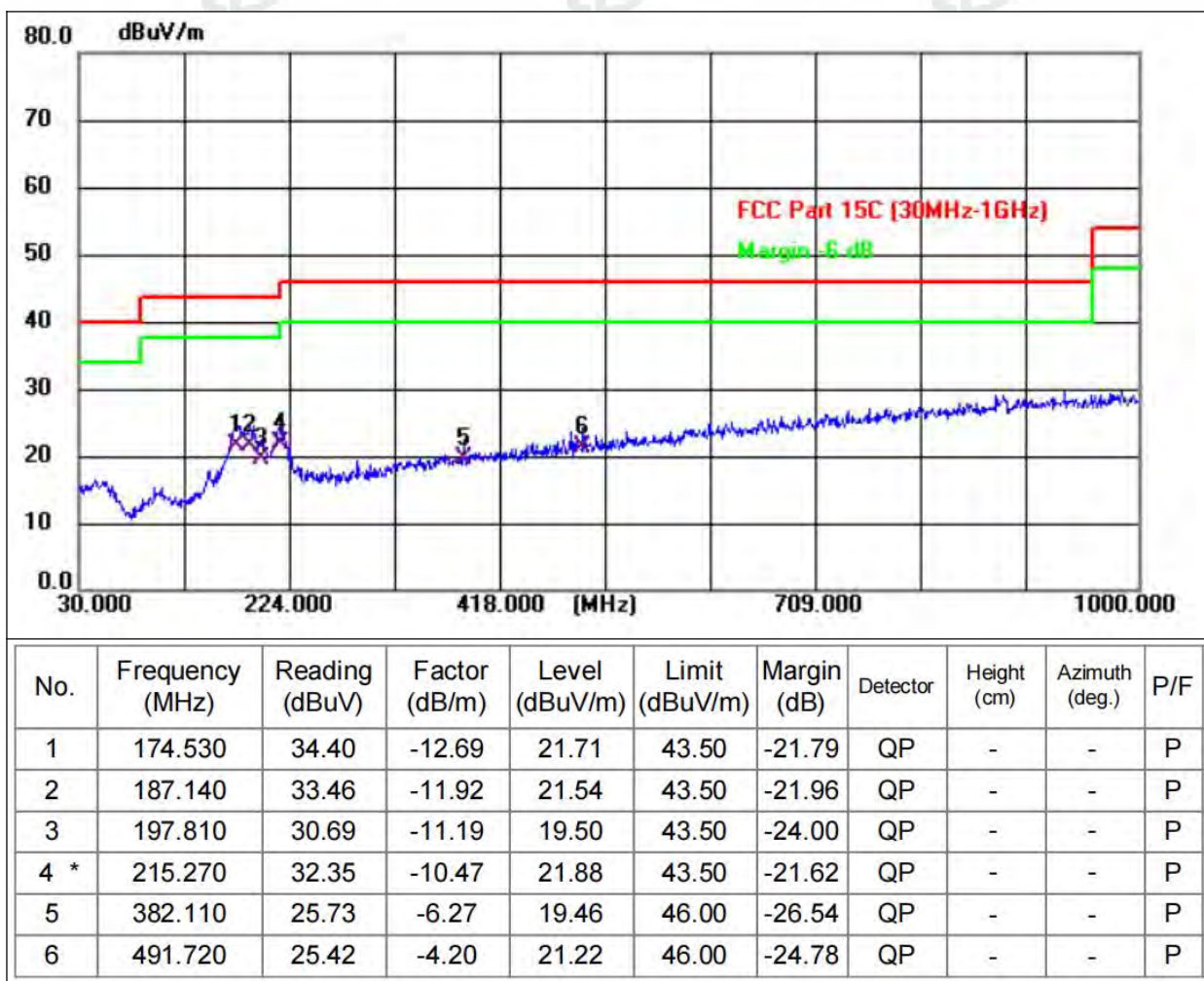
5.2.6 TEST RESULTS

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.

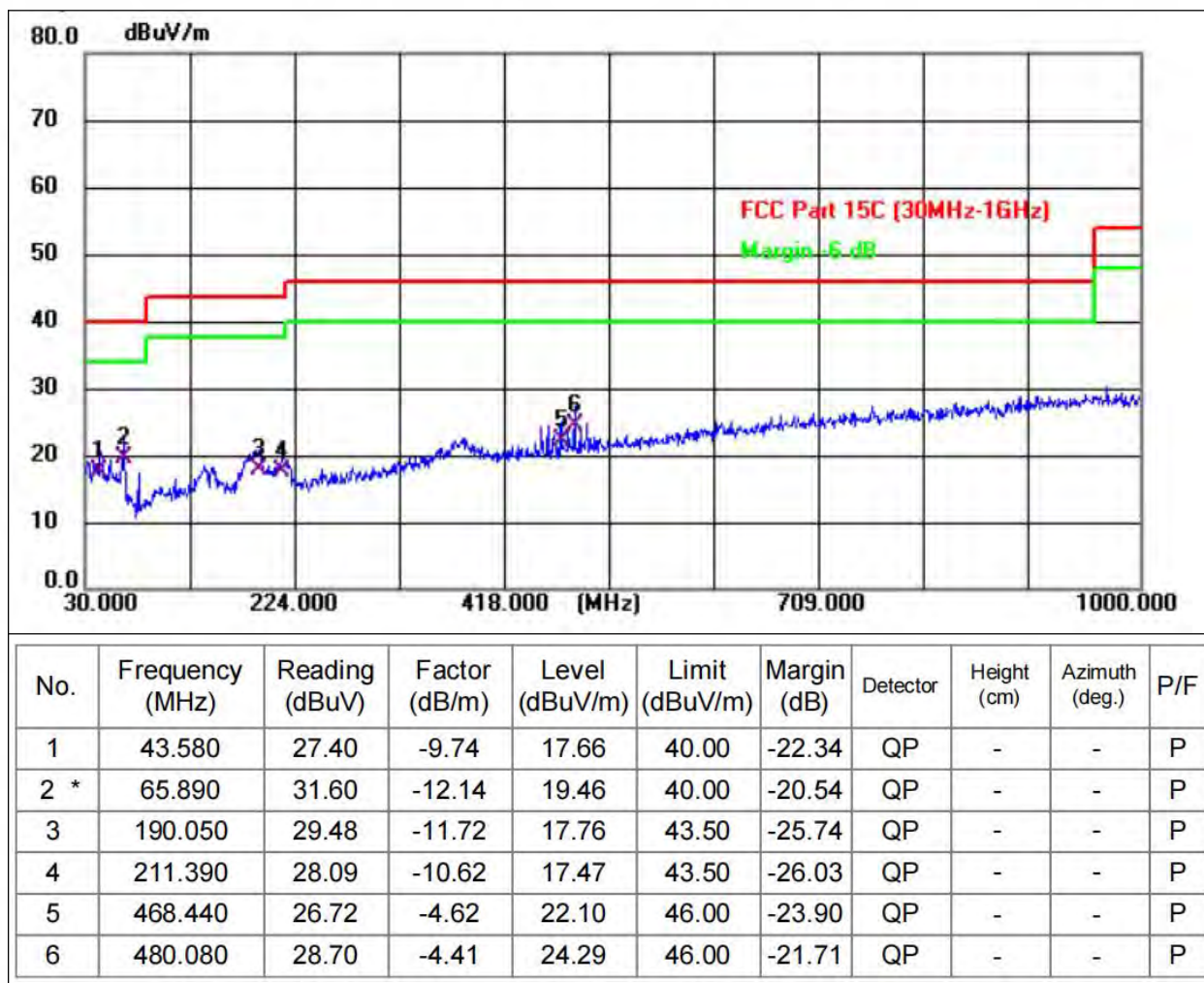
Between 30MHz – 1GHz

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V		





Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V		



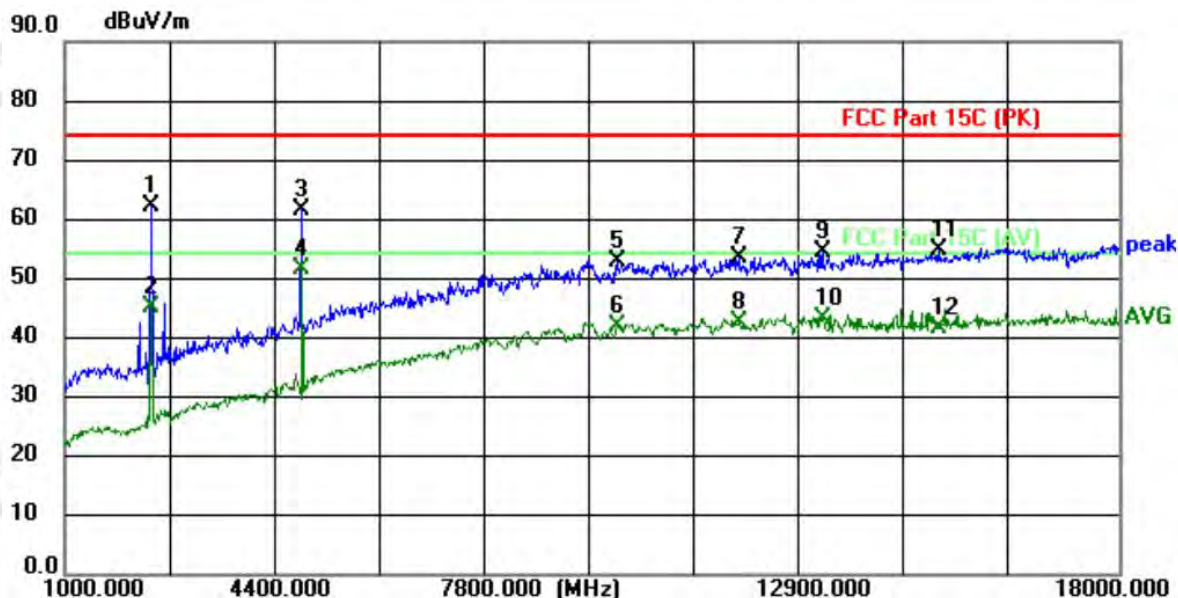
Remarks:

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 (Middle Channel: 2441MHz).
4. '-' Means the test Degree and Height are not recorded by the test software and only show the worstcase in the test report.

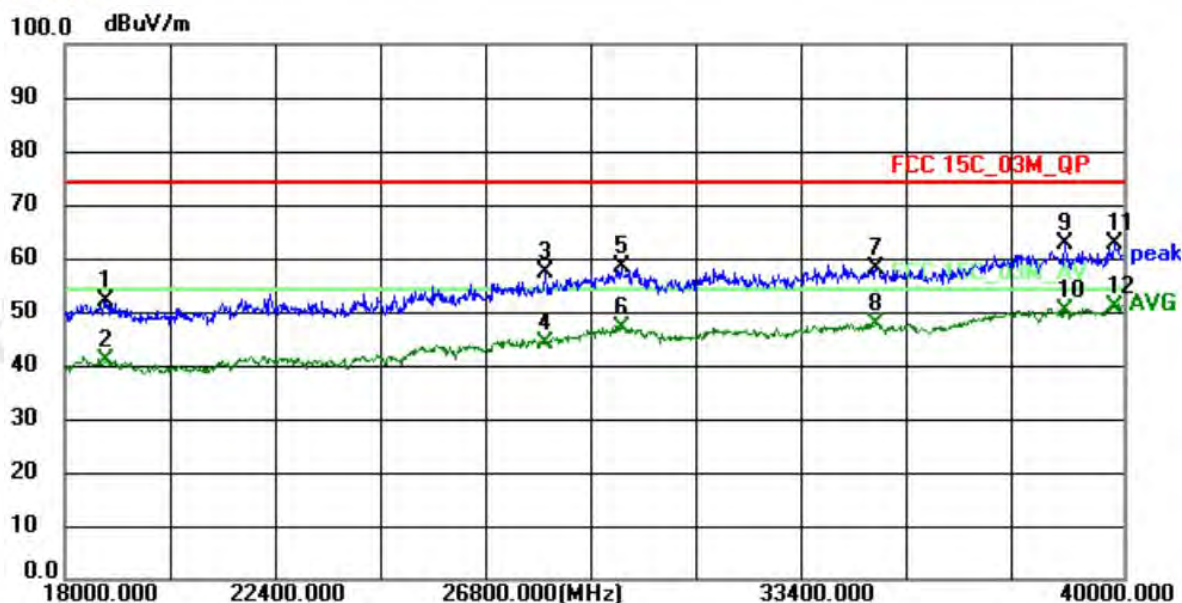


1GHz~40GHz

Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Test mode:	GFSK-2402MHz



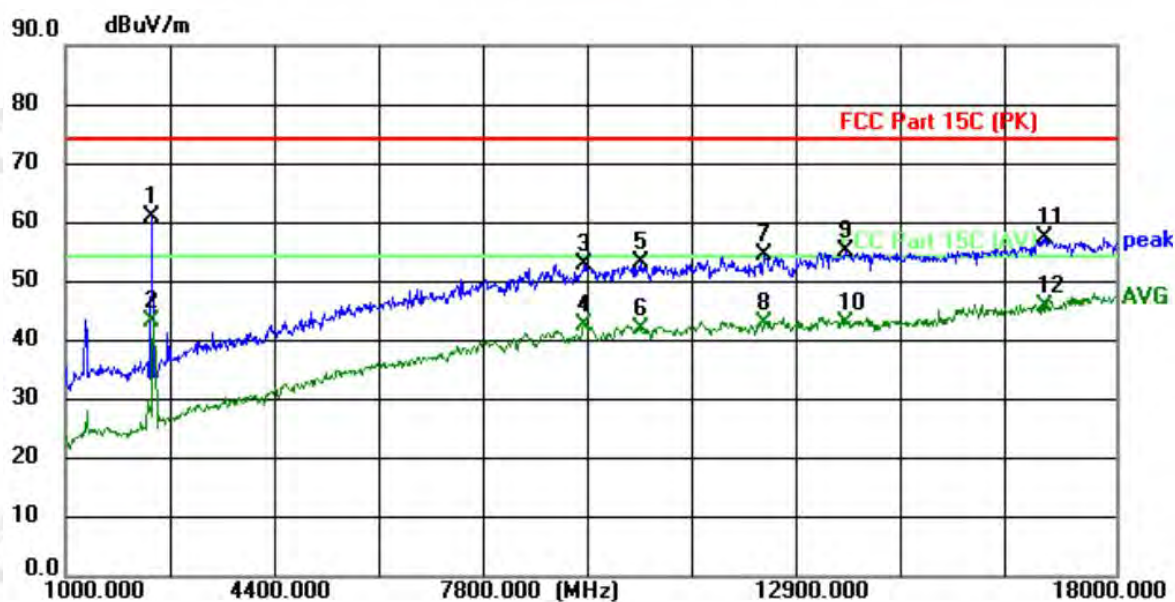
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2394.000	77.72	-15.58	62.14	74.00	-11.86	peak	-	-	P
2	2394.000	60.80	-15.58	45.22	54.00	-8.78	AVG	-	-	P
3	4808.000	68.91	-7.41	61.50	74.00	-12.50	peak	-	-	P
4 *	4808.000	58.99	-7.41	51.58	54.00	-2.42	AVG	-	-	P
5	9908.000	50.66	2.14	52.80	74.00	-21.20	peak	-	-	P
6	9908.000	39.84	2.14	41.98	54.00	-12.02	AVG	-	-	P
7	11863.000	49.21	4.32	53.53	74.00	-20.47	peak	-	-	P
8	11863.000	38.13	4.32	42.45	54.00	-11.55	AVG	-	-	P
9	13223.000	48.16	6.26	54.42	74.00	-19.58	peak	-	-	P
10	13223.000	36.97	6.26	43.23	54.00	-10.77	AVG	-	-	P
11	15093.000	45.77	8.94	54.71	74.00	-19.29	peak	-	-	P
12	15093.000	32.60	8.94	41.54	54.00	-12.46	AVG	-	-	P



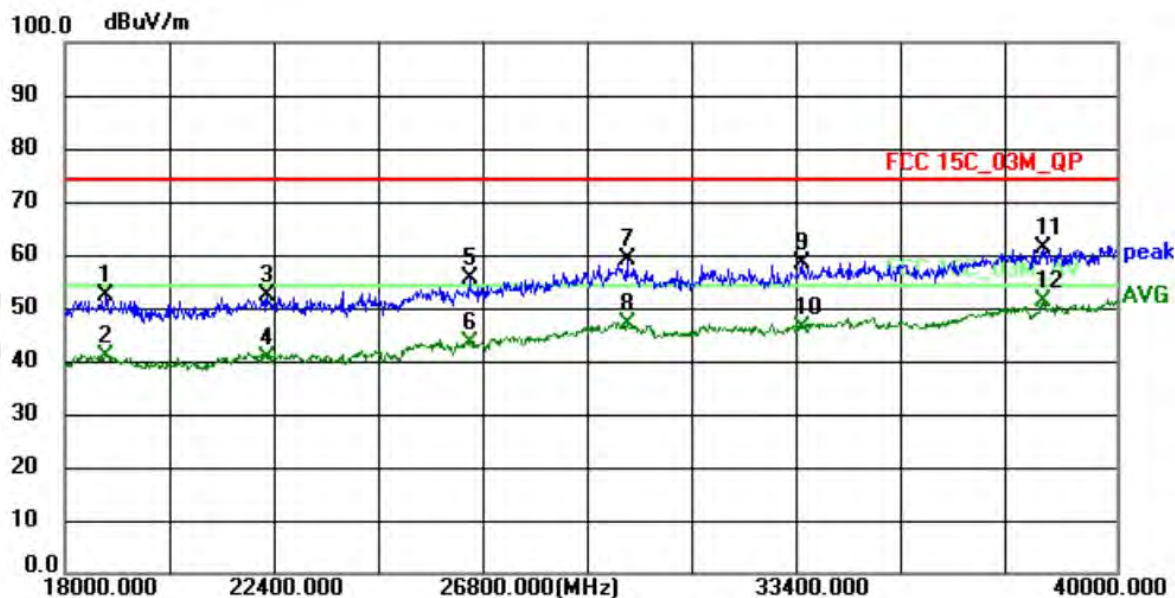
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	18836.000	50.27	1.82	52.09	74.00	-21.91	peak	-	-	P
2	18836.000	39.19	1.82	41.01	54.00	-12.99	AVG	-	-	P
3	27988.000	49.76	7.60	57.36	74.00	-16.64	peak	-	-	P
4	27988.000	36.47	7.60	44.07	54.00	-9.93	AVG	-	-	P
5	29572.000	49.13	9.19	58.32	74.00	-15.68	peak	-	-	P
6	29572.000	37.91	9.19	47.10	54.00	-6.90	AVG	-	-	P
7	34852.000	48.17	10.02	58.19	74.00	-15.81	peak	-	-	P
8	34852.000	37.71	10.02	47.73	54.00	-6.27	AVG	-	-	P
9	38790.000	53.67	9.06	62.73	74.00	-11.27	peak	-	-	P
10	38790.000	41.18	9.06	50.24	54.00	-3.76	AVG	-	-	P
11	39802.000	52.90	9.92	62.82	74.00	-11.18	peak	-	-	P
12 *	39802.000	40.94	9.92	50.86	54.00	-3.14	AVG	-	-	P



Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Test mode:	GFSK-2402MHz



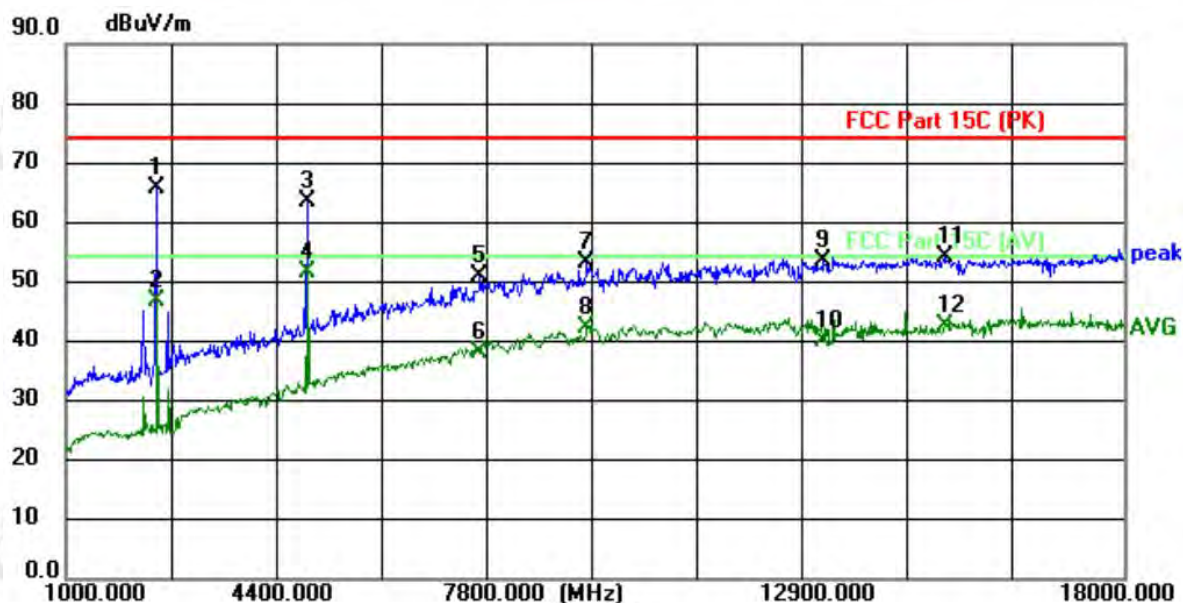
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2394.000	76.47	-15.58	60.89	74.00	-13.11	peak	-	-	P
2	2394.000	58.71	-15.58	43.13	54.00	-10.87	AVG	-	-	P
3	9398.000	50.98	1.85	52.83	74.00	-21.17	peak	-	-	P
4	9398.000	40.64	1.85	42.49	54.00	-11.51	AVG	-	-	P
5	10299.000	50.71	2.54	53.25	74.00	-20.75	peak	-	-	P
6	10299.000	39.28	2.54	41.82	54.00	-12.18	AVG	-	-	P
7	12322.000	49.64	4.94	54.58	74.00	-19.42	peak	-	-	P
8	12322.000	37.84	4.94	42.78	54.00	-11.22	AVG	-	-	P
9	13614.000	48.24	6.83	55.07	74.00	-18.93	peak	-	-	P
10	13614.000	36.16	6.83	42.99	54.00	-11.01	AVG	-	-	P
11	16861.000	46.64	10.75	57.39	74.00	-16.61	peak	-	-	P
12 *	16861.000	34.93	10.75	45.68	54.00	-8.32	AVG	-	-	P



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	18858.000	50.37	1.81	52.18	74.00	-21.82	peak	-	-	P
2	18858.000	38.94	1.81	40.75	54.00	-13.25	AVG	-	-	P
3	22224.000	48.84	3.59	52.43	74.00	-21.57	peak	-	-	P
4	22224.000	37.01	3.59	40.60	54.00	-13.40	AVG	-	-	P
5	26470.000	49.36	6.28	55.64	74.00	-18.36	peak	-	-	P
6	26470.000	37.16	6.28	43.44	54.00	-10.56	AVG	-	-	P
7	29770.000	50.13	9.14	59.27	74.00	-14.73	peak	-	-	P
8	29770.000	37.83	9.14	46.97	54.00	-7.03	AVG	-	-	P
9	33444.000	48.93	9.31	58.24	74.00	-15.76	peak	-	-	P
10	33444.000	36.92	9.31	46.23	54.00	-7.77	AVG	-	-	P
11	38460.000	52.07	9.08	61.15	74.00	-12.85	peak	-	-	P
12 *	38460.000	42.16	9.08	51.24	54.00	-2.76	AVG	-	-	P



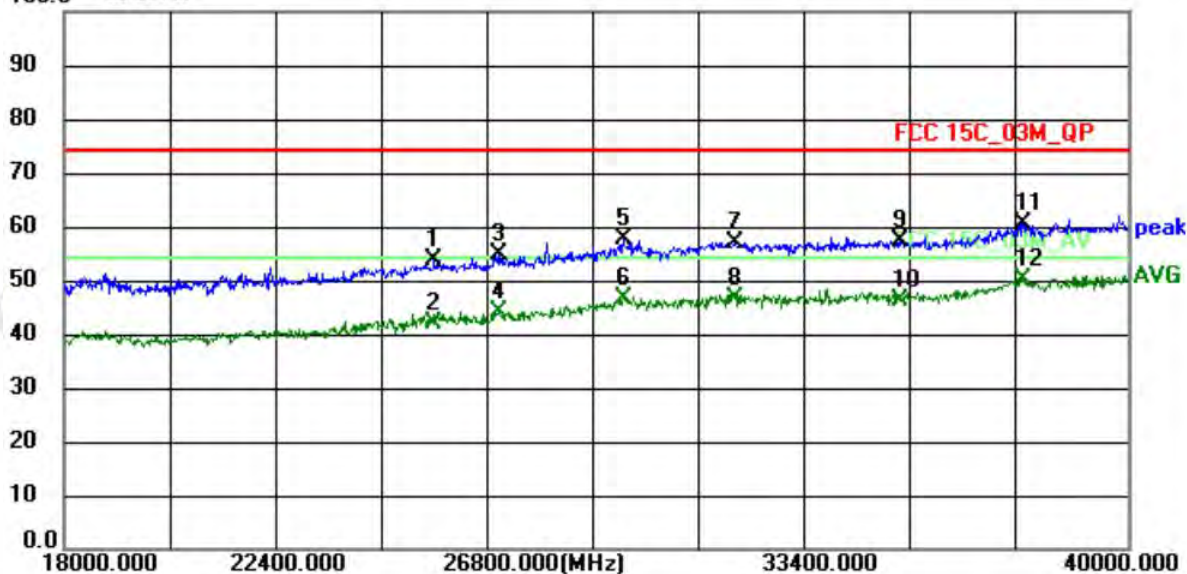
Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Test mode:	GFSK-2441MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2445.000	81.11	-15.39	65.72	74.00	-8.28	peak	-	-	P
2	2445.000	62.13	-15.39	46.74	54.00	-7.26	AVG	-	-	P
3	4876.000	70.54	-7.17	63.37	74.00	-10.63	peak	-	-	P
4 *	4893.000	58.61	-7.11	51.50	54.00	-2.50	AVG	-	-	P
5	7647.000	51.45	-0.45	51.00	74.00	-23.00	peak	-	-	P
6	7647.000	38.42	-0.45	37.97	54.00	-16.03	AVG	-	-	P
7	9364.000	51.49	1.83	53.32	74.00	-20.68	peak	-	-	P
8	9364.000	40.39	1.83	42.22	54.00	-11.78	AVG	-	-	P
9	13172.000	47.44	6.18	53.62	74.00	-20.38	peak	-	-	P
10	13172.000	33.80	6.18	39.98	54.00	-14.02	AVG	-	-	P
11	15127.000	45.11	8.98	54.09	74.00	-19.91	peak	-	-	P
12	15127.000	33.72	8.98	42.70	54.00	-11.30	AVG	-	-	P



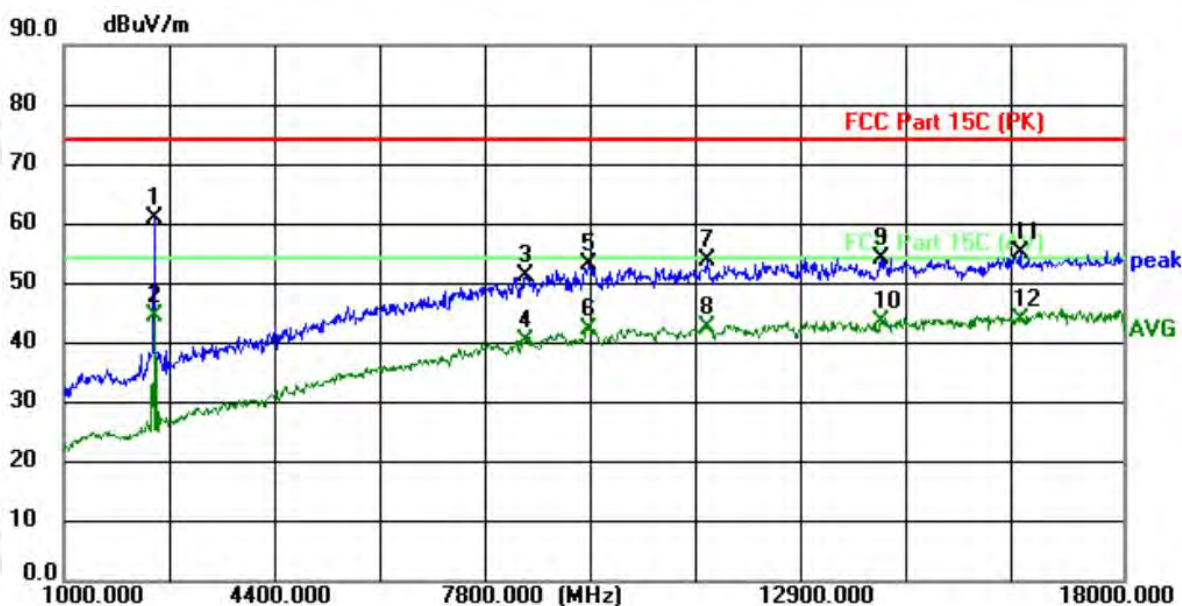
100.0 dBuV/m



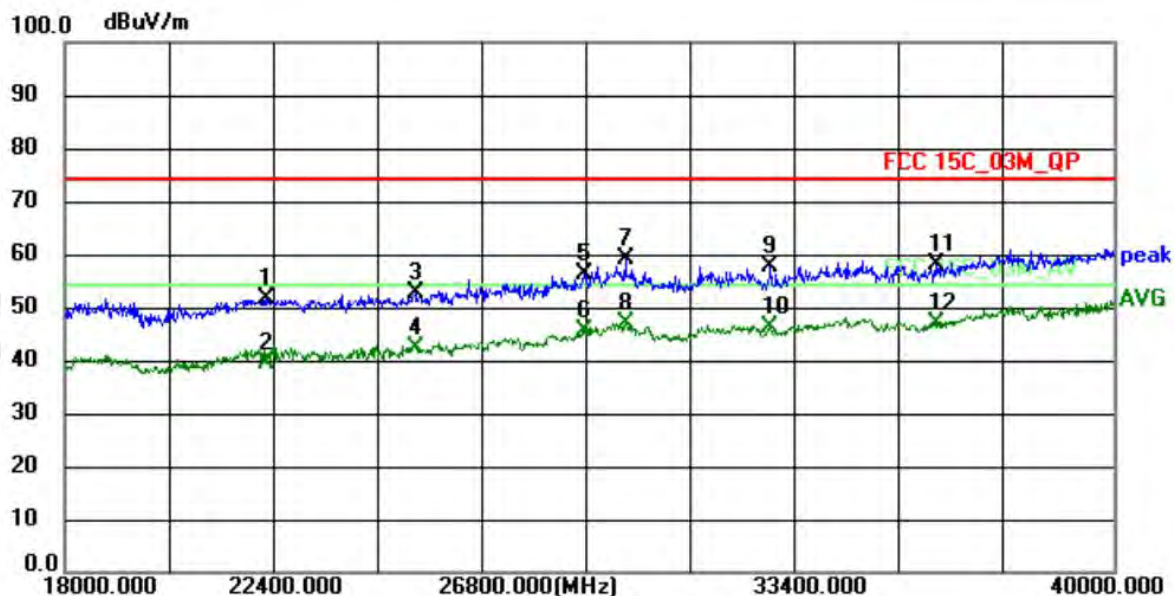
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	25656.000	47.82	5.91	53.73	74.00	-20.27	peak	-	-	P
2	25656.000	36.02	5.91	41.93	54.00	-12.07	AVG	-	-	P
3	26976.000	47.96	6.84	54.80	74.00	-19.20	peak	-	-	P
4	26976.000	37.29	6.84	44.13	54.00	-9.87	AVG	-	-	P
5	29572.000	48.63	9.19	57.82	74.00	-16.18	peak	-	-	P
6	29572.000	37.41	9.19	46.60	54.00	-7.40	AVG	-	-	P
7	31882.000	47.62	9.40	57.02	74.00	-16.98	peak	-	-	P
8	31882.000	37.33	9.40	46.73	54.00	-7.27	AVG	-	-	P
9	35292.000	47.09	10.20	57.29	74.00	-16.71	peak	-	-	P
10	35292.000	35.94	10.20	46.14	54.00	-7.86	AVG	-	-	P
11	37844.000	50.68	9.89	60.57	74.00	-13.43	peak	-	-	P
12 *	37844.000	40.27	9.89	50.16	54.00	-3.84	AVG	-	-	P



Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Test mode:	GFSK-2441MHz



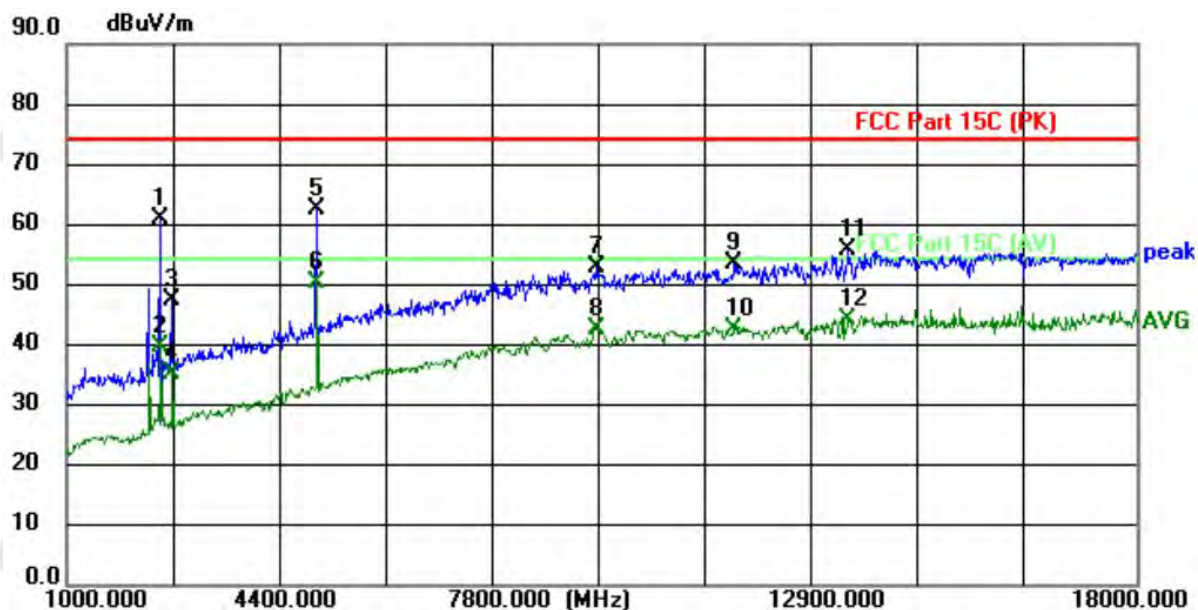
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2445.000	76.21	-15.39	60.82	74.00	-13.18	peak	-	-	P
2 *	2445.000	59.85	-15.39	44.46	54.00	-9.54	AVG	-	-	P
3	8412.000	50.45	0.87	51.32	74.00	-22.68	peak	-	-	P
4	8412.000	39.62	0.87	40.49	54.00	-13.51	AVG	-	-	P
5	9432.000	51.21	1.87	53.08	74.00	-20.92	peak	-	-	P
6	9432.000	40.55	1.87	42.42	54.00	-11.58	AVG	-	-	P
7	11336.000	50.00	3.72	53.72	74.00	-20.28	peak	-	-	P
8	11336.000	38.81	3.72	42.53	54.00	-11.47	AVG	-	-	P
9	14124.000	46.74	7.58	54.32	74.00	-19.68	peak	-	-	P
10	14124.000	35.91	7.58	43.49	54.00	-10.51	AVG	-	-	P
11	16351.000	44.74	10.23	54.97	74.00	-19.03	peak	-	-	P
12	16351.000	33.66	10.23	43.89	54.00	-10.11	AVG	-	-	P



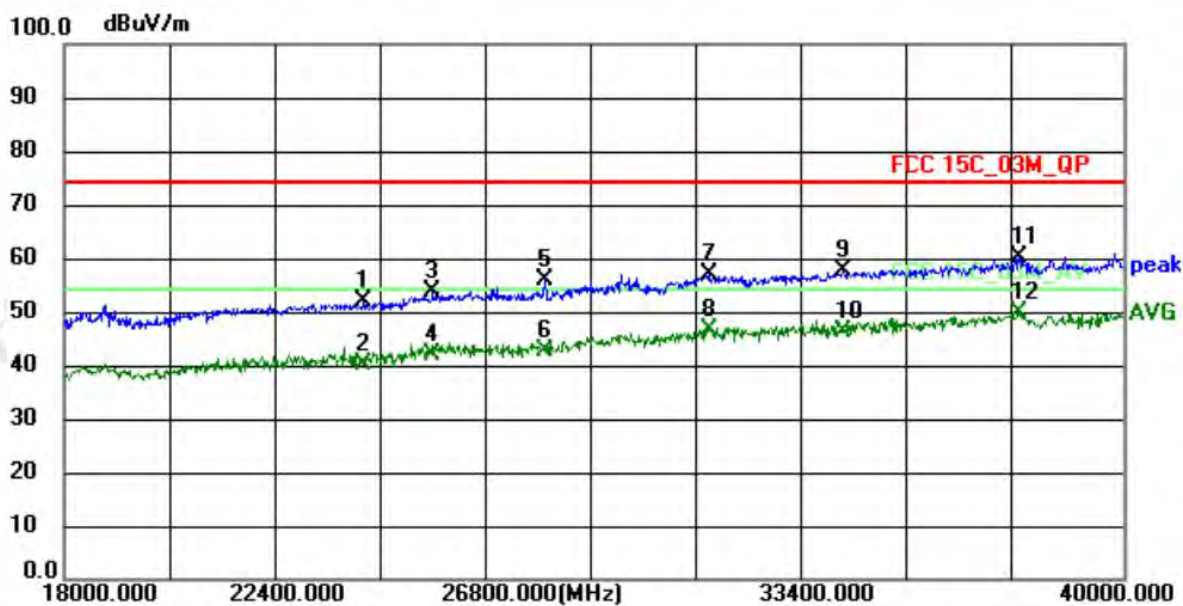
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	22224.000	47.84	3.59	51.43	74.00	-22.57	peak	-	-	P
2	22224.000	36.01	3.59	39.60	54.00	-14.40	AVG	-	-	P
3	25348.000	46.98	5.72	52.70	74.00	-21.30	peak	-	-	P
4	25348.000	36.63	5.72	42.35	54.00	-11.65	AVG	-	-	P
5	28912.000	47.09	9.00	56.09	74.00	-17.91	peak	-	-	P
6	28912.000	36.58	9.00	45.58	54.00	-8.42	AVG	-	-	P
7	29770.000	50.13	9.14	59.27	74.00	-14.73	peak	-	-	P
8 *	29770.000	37.83	9.14	46.97	54.00	-7.03	AVG	-	-	P
9	32806.000	48.38	9.25	57.63	74.00	-16.37	peak	-	-	P
10	32806.000	37.08	9.25	46.33	54.00	-7.67	AVG	-	-	P
11	36282.000	48.24	9.83	58.07	74.00	-15.93	peak	-	-	P
12	36282.000	37.05	9.83	46.88	54.00	-7.12	AVG	-	-	P



Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Test mode:	GFSK-2480MHz



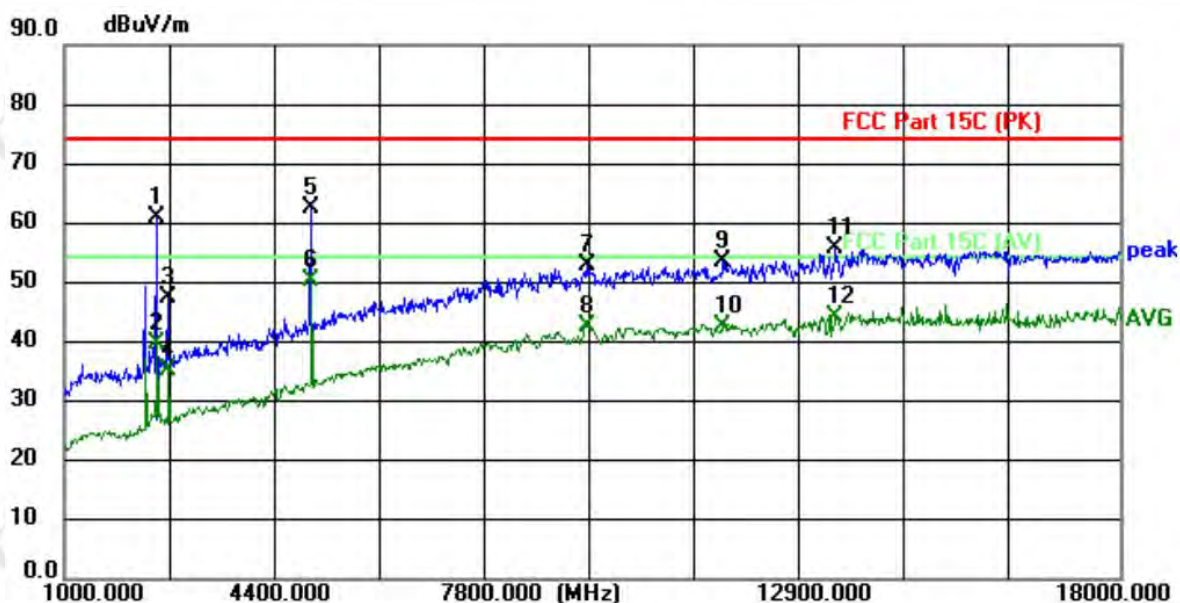
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2479.000	76.14	-15.26	60.88	74.00	-13.12	peak	-	-	P
2	2479.000	55.03	-15.26	39.77	54.00	-14.23	AVG	-	-	P
3	2666.000	61.80	-14.29	47.51	74.00	-26.49	peak	-	-	P
4	2666.000	49.47	-14.29	35.18	54.00	-18.82	AVG	-	-	P
5	4961.000	69.39	-6.86	62.53	74.00	-11.47	peak	-	-	P
6 *	4961.000	57.13	-6.86	50.27	54.00	-3.73	AVG	-	-	P
7	9415.000	50.89	1.85	52.74	74.00	-21.26	peak	-	-	P
8	9415.000	40.61	1.85	42.46	54.00	-11.54	AVG	-	-	P
9	11608.000	49.48	4.03	53.51	74.00	-20.49	peak	-	-	P
10	11608.000	38.47	4.03	42.50	54.00	-11.50	AVG	-	-	P
11	13427.000	49.09	6.56	55.65	74.00	-18.35	peak	-	-	P
12	13427.000	37.65	6.56	44.21	54.00	-9.79	AVG	-	-	P



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	24226.000	47.08	4.74	51.82	74.00	-22.18	peak	-	-	P
2	24226.000	35.49	4.74	40.23	54.00	-13.77	AVG	-	-	P
3	25656.000	47.82	5.91	53.73	74.00	-20.27	peak	-	-	P
4	25656.000	36.02	5.91	41.93	54.00	-12.07	AVG	-	-	P
5	27988.000	48.26	7.60	55.86	74.00	-18.14	peak	-	-	P
6	27988.000	34.97	7.60	42.57	54.00	-11.43	AVG	-	-	P
7	31398.000	47.79	9.27	57.06	74.00	-16.94	peak	-	-	P
8	31398.000	37.48	9.27	46.75	54.00	-7.25	AVG	-	-	P
9	34192.000	47.99	9.66	57.65	74.00	-16.35	peak	-	-	P
10	34192.000	36.47	9.66	46.13	54.00	-7.87	AVG	-	-	P
11	37844.000	50.18	9.89	60.07	74.00	-13.93	peak	-	-	P
12 *	37844.000	39.77	9.89	49.66	54.00	-4.34	AVG	-	-	P



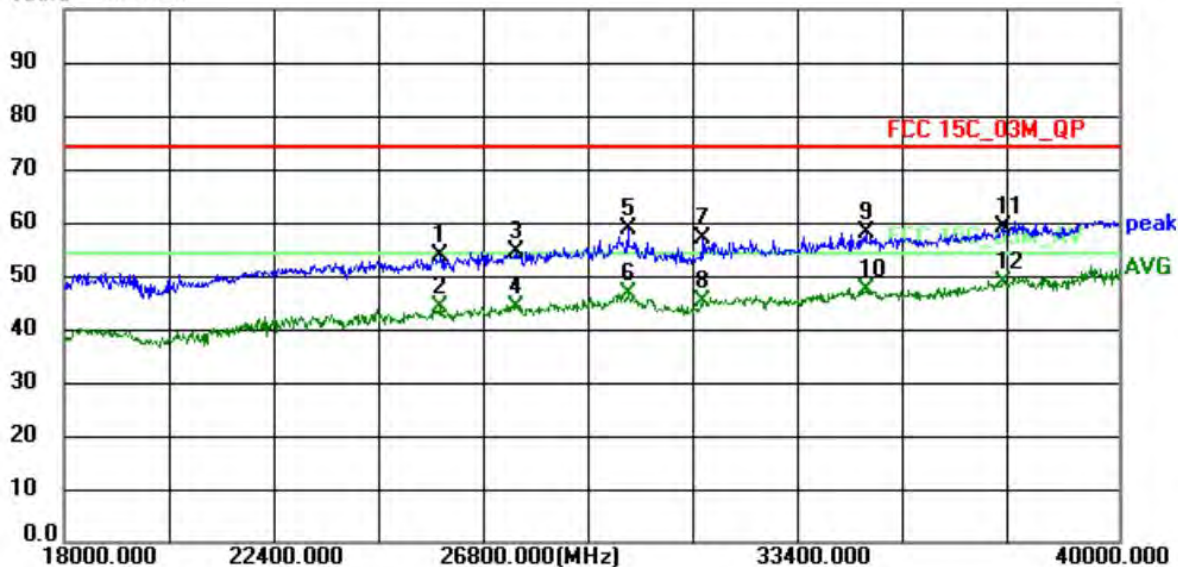
Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Test mode:	GFSK-2480MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2479.000	75.55	-15.26	60.29	74.00	-13.71	peak	-	-	P
2	2479.000	56.02	-15.26	40.76	54.00	-13.24	AVG	-	-	P
3	9347.000	52.50	1.82	54.32	74.00	-19.68	peak	-	-	P
4	9347.000	39.47	1.82	41.29	54.00	-12.71	AVG	-	-	P
5	11285.000	49.80	3.66	53.46	74.00	-20.54	peak	-	-	P
6	11285.000	39.46	3.66	43.12	54.00	-10.88	AVG	-	-	P
7	12322.000	48.95	4.94	53.89	74.00	-20.11	peak	-	-	P
8	12322.000	38.00	4.94	42.94	54.00	-11.06	AVG	-	-	P
9	13597.000	47.71	6.80	54.51	74.00	-19.49	peak	-	-	P
10	13597.000	34.98	6.80	41.78	54.00	-12.22	AVG	-	-	P
11	15093.000	45.12	8.94	54.06	74.00	-19.94	peak	-	-	P
12 *	15093.000	34.30	8.94	43.24	54.00	-10.76	AVG	-	-	P



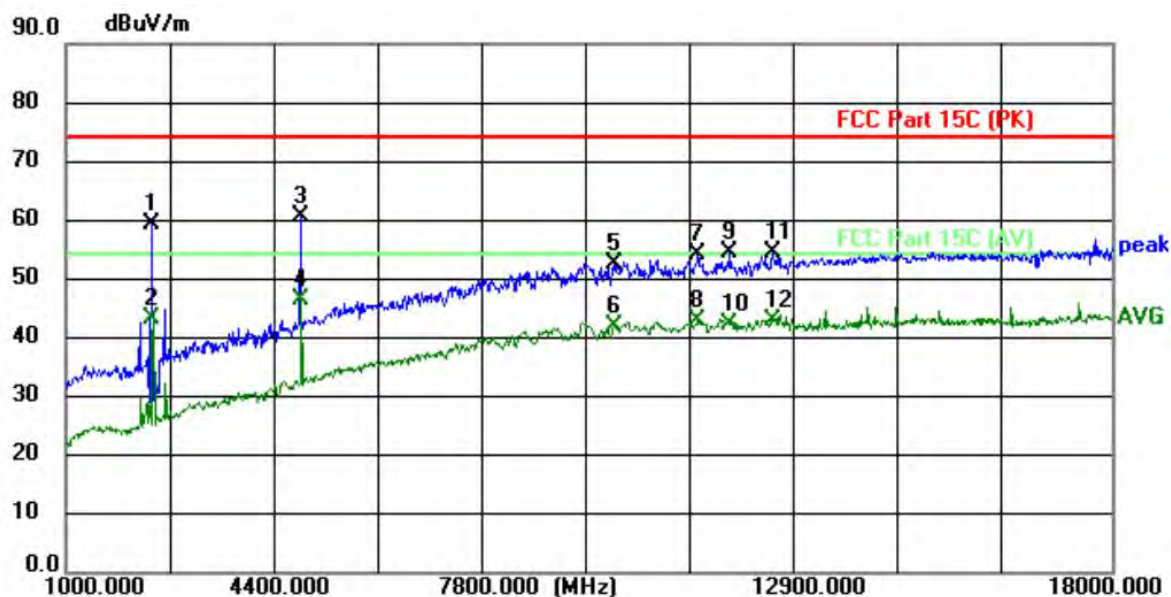
100.0 dBuV/m



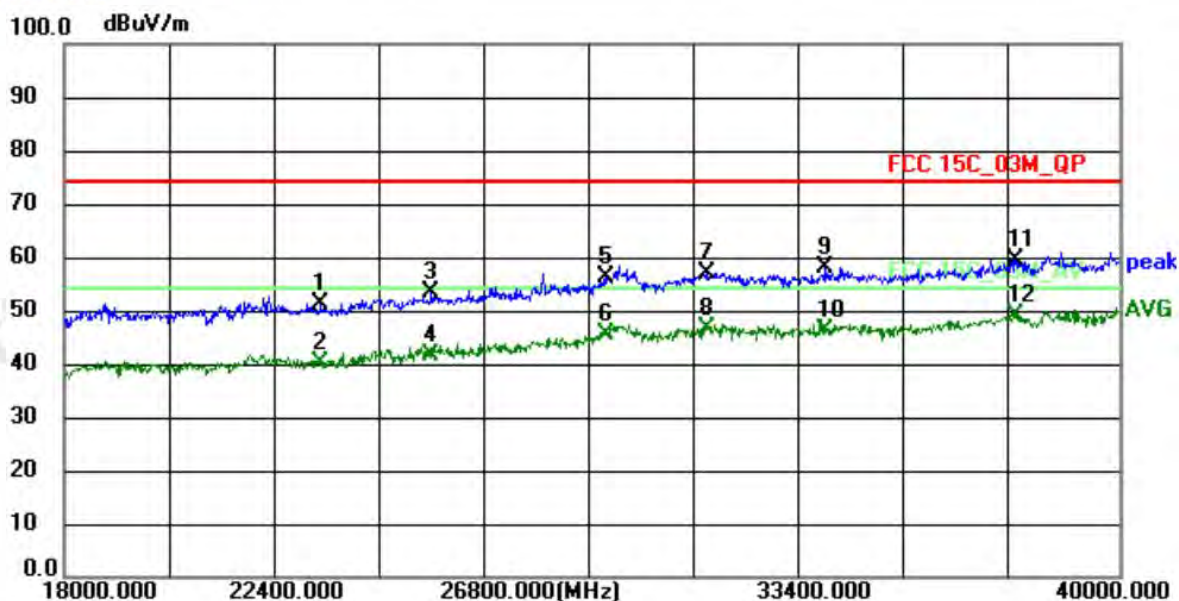
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	25854.000	47.68	5.99	53.67	74.00	-20.33	peak	-	-	P
2	25854.000	37.97	5.99	43.96	54.00	-10.04	AVG	-	-	P
3	27438.000	47.44	7.10	54.54	74.00	-19.46	peak	-	-	P
4	27438.000	37.08	7.10	44.18	54.00	-9.82	AVG	-	-	P
5	29770.000	49.63	9.14	58.77	74.00	-15.23	peak	-	-	P
6	29770.000	37.33	9.14	46.47	54.00	-7.53	AVG	-	-	P
7	31332.000	47.82	9.23	57.05	74.00	-16.95	peak	-	-	P
8	31332.000	35.92	9.23	45.15	54.00	-8.85	AVG	-	-	P
9	34720.000	48.20	9.95	58.15	74.00	-15.85	peak	-	-	P
10	34720.000	37.34	9.95	47.29	54.00	-6.71	AVG	-	-	P
11	37580.000	49.29	9.84	59.13	74.00	-14.87	peak	-	-	P
12 *	37580.000	38.89	9.84	48.73	54.00	-5.27	AVG	-	-	P



Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Test mode:	$\pi/4$ DQPSK-2402MHz



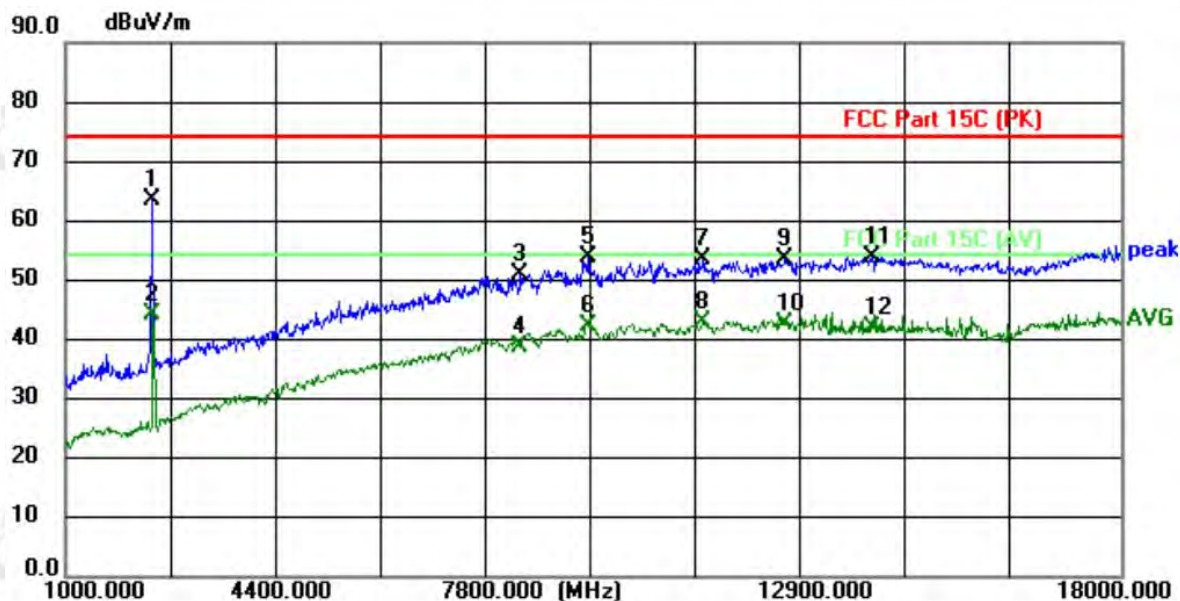
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2411.000	74.70	-15.52	59.18	74.00	-14.82	peak	-	-	P
2	2411.000	58.81	-15.52	43.29	54.00	-10.71	AVG	-	-	P
3	4808.000	67.97	-7.41	60.56	74.00	-13.44	peak	-	-	P
4 *	4808.000	53.89	-7.41	46.48	54.00	-7.52	AVG	-	-	P
5	9908.000	50.52	2.14	52.66	74.00	-21.34	peak	-	-	P
6	9908.000	39.78	2.14	41.92	54.00	-12.08	AVG	-	-	P
7	11268.000	50.63	3.64	54.27	74.00	-19.73	peak	-	-	P
8	11268.000	39.35	3.64	42.99	54.00	-11.01	AVG	-	-	P
9	11795.000	50.32	4.24	54.56	74.00	-19.44	peak	-	-	P
10	11795.000	37.91	4.24	42.15	54.00	-11.85	AVG	-	-	P
11	12492.000	49.28	5.19	54.47	74.00	-19.53	peak	-	-	P
12	12492.000	37.80	5.19	42.99	54.00	-11.01	AVG	-	-	P



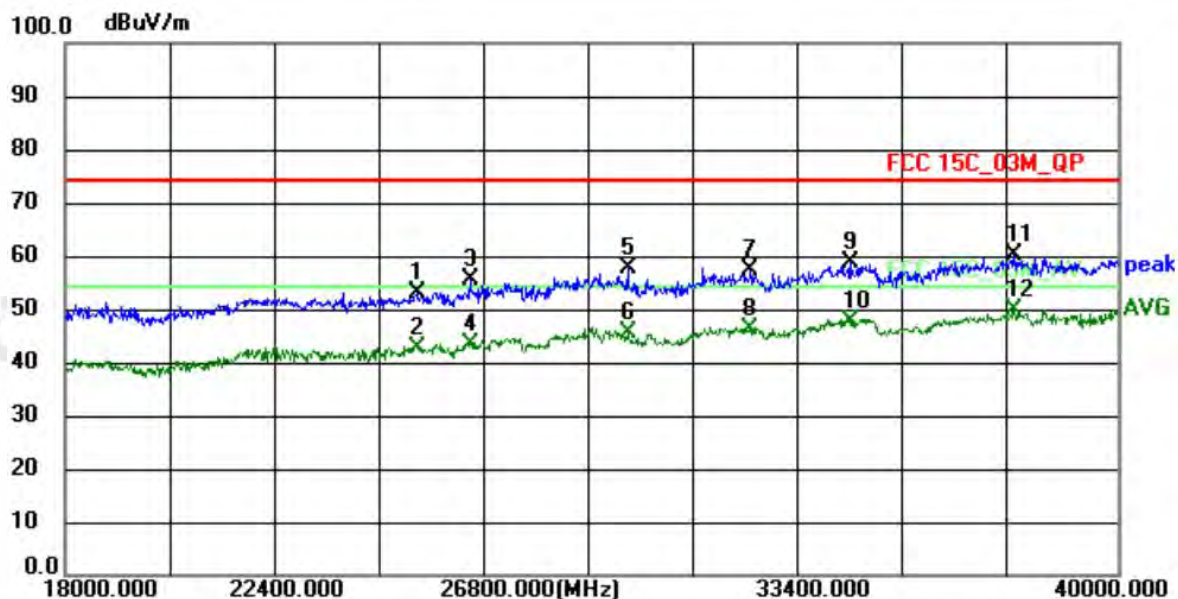
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	23346.000	47.37	4.00	51.37	74.00	-22.63	peak	-	-	P
2	23346.000	36.03	4.00	40.03	54.00	-13.97	AVG	-	-	P
3	25656.000	47.32	5.91	53.23	74.00	-20.77	peak	-	-	P
4	25656.000	35.52	5.91	41.43	54.00	-12.57	AVG	-	-	P
5	29286.000	47.23	9.17	56.40	74.00	-17.60	peak	-	-	P
6	29286.000	36.48	9.17	45.65	54.00	-8.35	AVG	-	-	P
7	31398.000	47.79	9.27	57.06	74.00	-16.94	peak	-	-	P
8	31398.000	37.48	9.27	46.75	54.00	-7.25	AVG	-	-	P
9	33884.000	48.66	9.49	58.15	74.00	-15.85	peak	-	-	P
10	33884.000	36.81	9.49	46.30	54.00	-7.70	AVG	-	-	P
11	37844.000	49.68	9.89	59.57	74.00	-14.43	peak	-	-	P
12 *	37844.000	39.27	9.89	49.16	54.00	-4.84	AVG	-	-	P



Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Test mode:	$\pi/4$ DQPSK-2402MHz

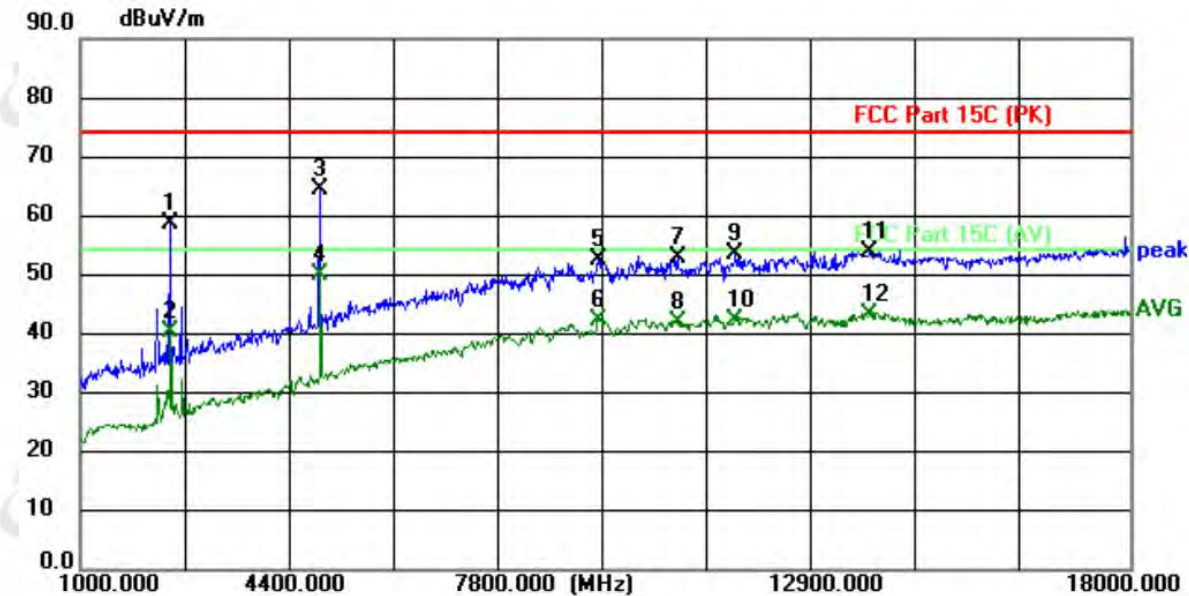


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2394.000	78.99	-15.58	63.41	74.00	-10.59	peak	-	-	P
2 *	2394.000	59.81	-15.58	44.23	54.00	-9.77	AVG	-	-	P
3	8327.000	50.12	0.77	50.89	74.00	-23.11	peak	-	-	P
4	8327.000	37.89	0.77	38.66	54.00	-15.34	AVG	-	-	P
5	9415.000	51.92	1.85	53.77	74.00	-20.23	peak	-	-	P
6	9415.000	40.46	1.85	42.31	54.00	-11.69	AVG	-	-	P
7	11268.000	49.93	3.64	53.57	74.00	-20.43	peak	-	-	P
8	11268.000	39.32	3.64	42.96	54.00	-11.04	AVG	-	-	P
9	12594.000	48.24	5.34	53.58	74.00	-20.42	peak	-	-	P
10	12594.000	37.30	5.34	42.64	54.00	-11.36	AVG	-	-	P
11	14005.000	46.50	7.40	53.90	74.00	-20.10	peak	-	-	P
12	14005.000	34.66	7.40	42.06	54.00	-11.94	AVG	-	-	P



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	25348.000	47.48	5.72	53.20	74.00	-20.80	peak	-	-	P
2	25348.000	37.13	5.72	42.85	54.00	-11.15	AVG	-	-	P
3	26470.000	49.36	6.28	55.64	74.00	-18.36	peak	-	-	P
4	26470.000	37.16	6.28	43.44	54.00	-10.56	AVG	-	-	P
5	29770.000	48.63	9.14	57.77	74.00	-16.23	peak	-	-	P
6	29770.000	36.33	9.14	45.47	54.00	-8.53	AVG	-	-	P
7	32322.000	47.80	9.37	57.17	74.00	-16.83	peak	-	-	P
8	32322.000	36.90	9.37	46.27	54.00	-7.73	AVG	-	-	P
9	34412.000	49.00	9.77	58.77	74.00	-15.23	peak	-	-	P
10	34412.000	37.93	9.77	47.70	54.00	-6.30	AVG	-	-	P
11	37822.000	50.33	9.89	60.22	74.00	-13.78	peak	-	-	P
12 *	37822.000	39.90	9.89	49.79	54.00	-4.21	AVG	-	-	P

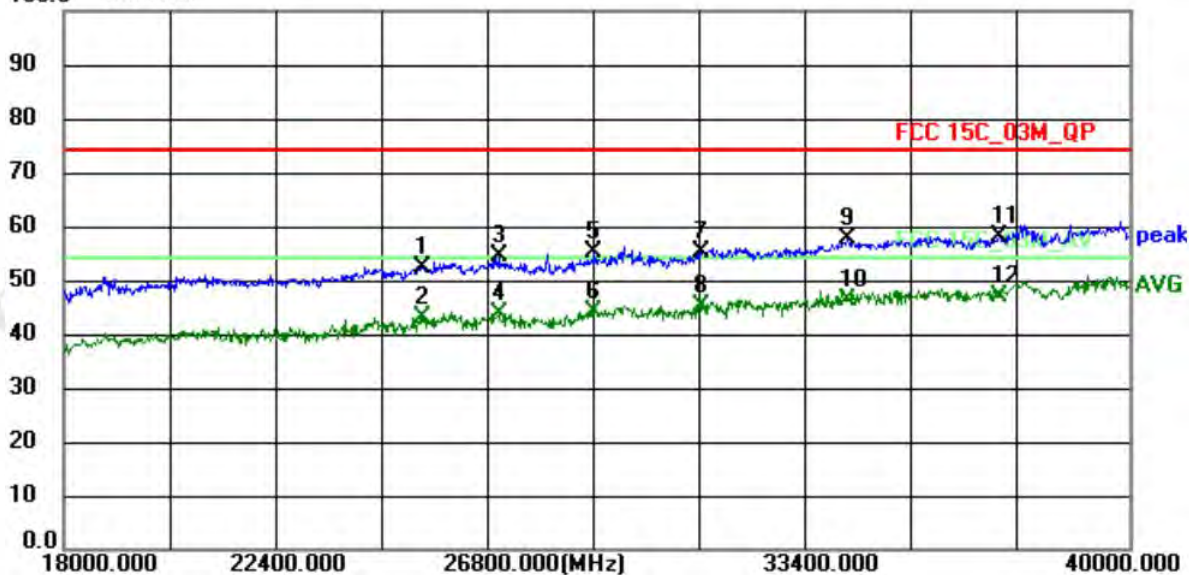
Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Test mode:	$\pi/4$ DQPSK-2441MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2445.000	74.11	-15.39	58.72	74.00	-15.28	peak	-	-	P
2	2445.000	55.69	-15.39	40.30	54.00	-13.70	AVG	-	-	P
3	4876.000	71.50	-7.17	64.33	74.00	-9.67	peak	-	-	P
4 *	4876.000	57.25	-7.17	50.08	54.00	-3.92	AVG	-	-	P
5	9381.000	50.65	1.84	52.49	74.00	-21.51	peak	-	-	P
6	9381.000	40.52	1.84	42.36	54.00	-11.64	AVG	-	-	P
7	10673.000	49.85	2.95	52.80	74.00	-21.20	peak	-	-	P
8	10673.000	39.14	2.95	42.09	54.00	-11.91	AVG	-	-	P
9	11608.000	49.60	4.03	53.63	74.00	-20.37	peak	-	-	P
10	11608.000	38.30	4.03	42.33	54.00	-11.67	AVG	-	-	P
11	13784.000	46.77	7.07	53.84	74.00	-20.16	peak	-	-	P
12	13784.000	36.09	7.07	43.16	54.00	-10.84	AVG	-	-	P

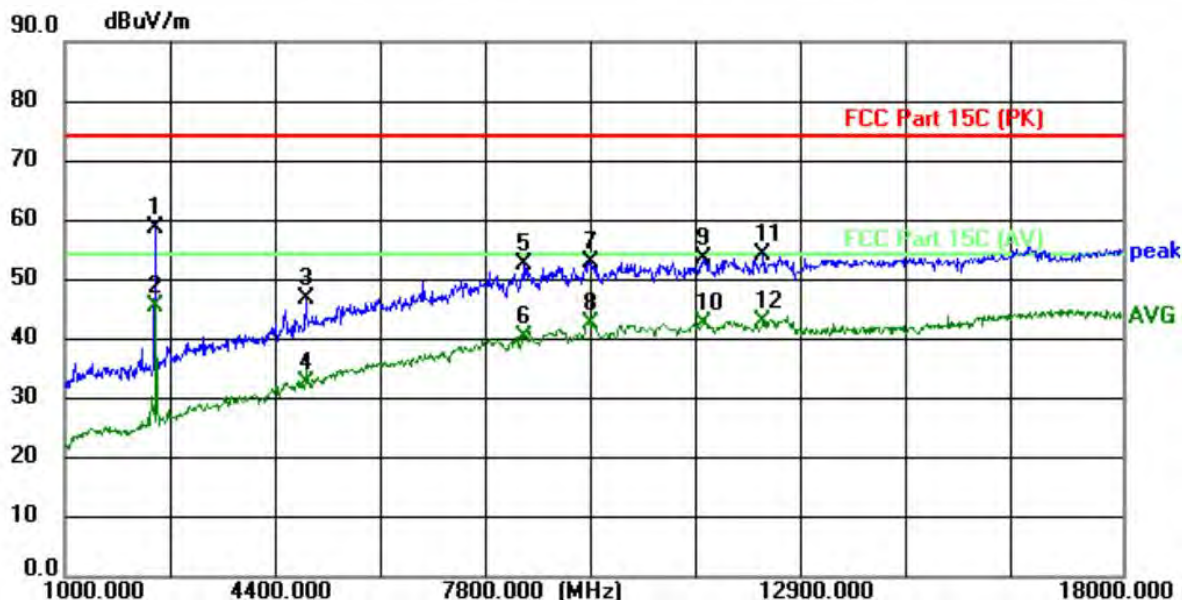


100.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	25392.000	46.72	5.76	52.48	74.00	-21.52	peak	-	-	P
2	25392.000	37.38	5.76	43.14	54.00	-10.86	AVG	-	-	P
3	26976.000	47.46	6.84	54.30	74.00	-19.70	peak	-	-	P
4	26976.000	36.79	6.84	43.63	54.00	-10.37	AVG	-	-	P
5	28956.000	46.04	9.06	55.10	74.00	-18.90	peak	-	-	P
6	28956.000	35.10	9.06	44.16	54.00	-9.84	AVG	-	-	P
7	31156.000	46.10	9.13	55.23	74.00	-18.77	peak	-	-	P
8	31156.000	35.93	9.13	45.06	54.00	-8.94	AVG	-	-	P
9	34192.000	47.99	9.66	57.65	74.00	-16.35	peak	-	-	P
10	34192.000	36.47	9.66	46.13	54.00	-7.87	AVG	-	-	P
11	37316.000	48.32	9.80	58.12	74.00	-15.88	peak	-	-	P
12 *	37316.000	37.27	9.80	47.07	54.00	-6.93	AVG	-	-	P

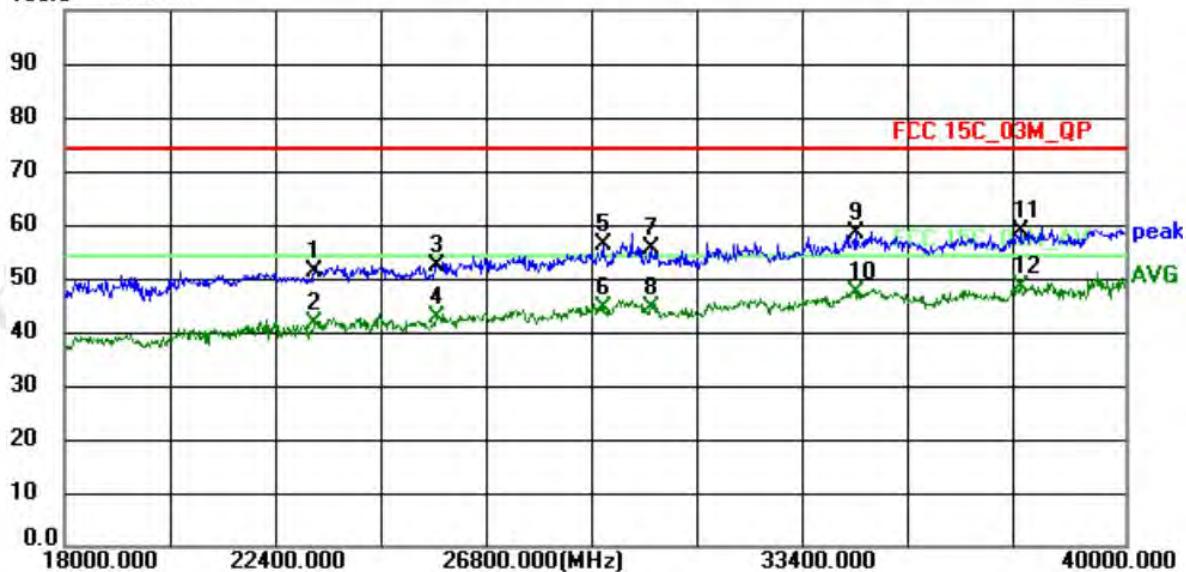
Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Test mode:	$\pi/4$ DQPSK-2441MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2445.000	74.11	-15.39	58.72	74.00	-15.28	peak	-	-	P
2 *	2445.000	60.94	-15.39	45.55	54.00	-8.45	AVG	-	-	P
3	4876.000	54.05	-7.17	46.88	74.00	-27.12	peak	-	-	P
4	4876.000	39.80	-7.17	32.63	54.00	-21.37	AVG	-	-	P
5	8395.000	51.81	0.85	52.66	74.00	-21.34	peak	-	-	P
6	8395.000	39.53	0.85	40.38	54.00	-13.62	AVG	-	-	P
7	9449.000	51.08	1.87	52.95	74.00	-21.05	peak	-	-	P
8	9449.000	40.59	1.87	42.46	54.00	-11.54	AVG	-	-	P
9	11251.000	49.96	3.62	53.58	74.00	-20.42	peak	-	-	P
10	11251.000	38.83	3.62	42.45	54.00	-11.55	AVG	-	-	P
11	12220.000	49.21	4.80	54.01	74.00	-19.99	peak	-	-	P
12	12220.000	38.04	4.80	42.84	54.00	-11.16	AVG	-	-	P



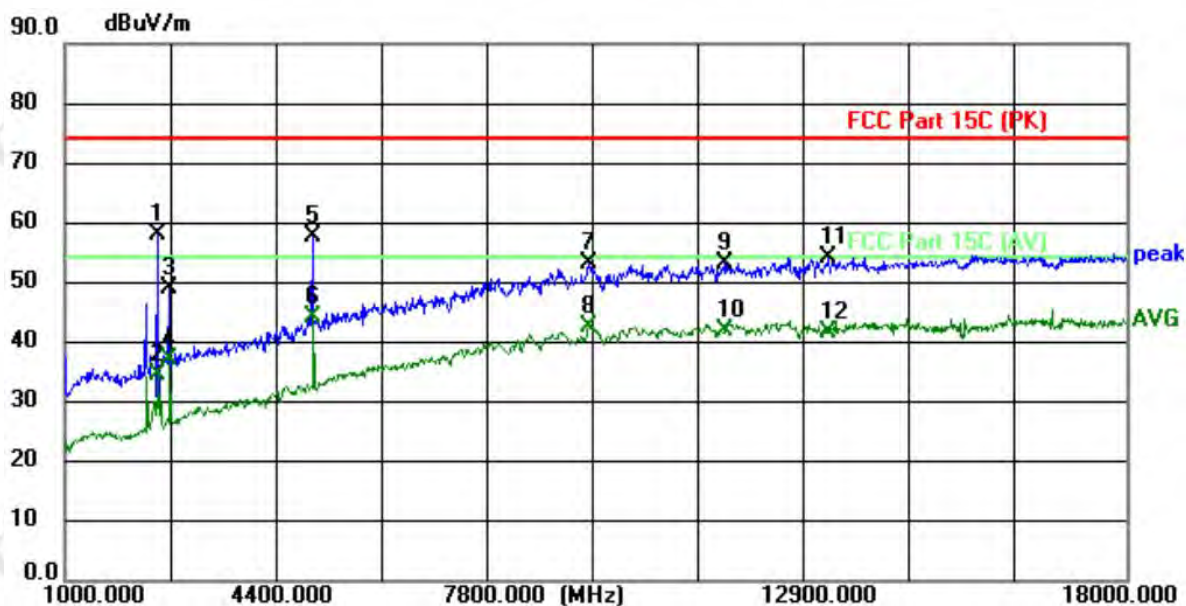
100.0 dBuV/m



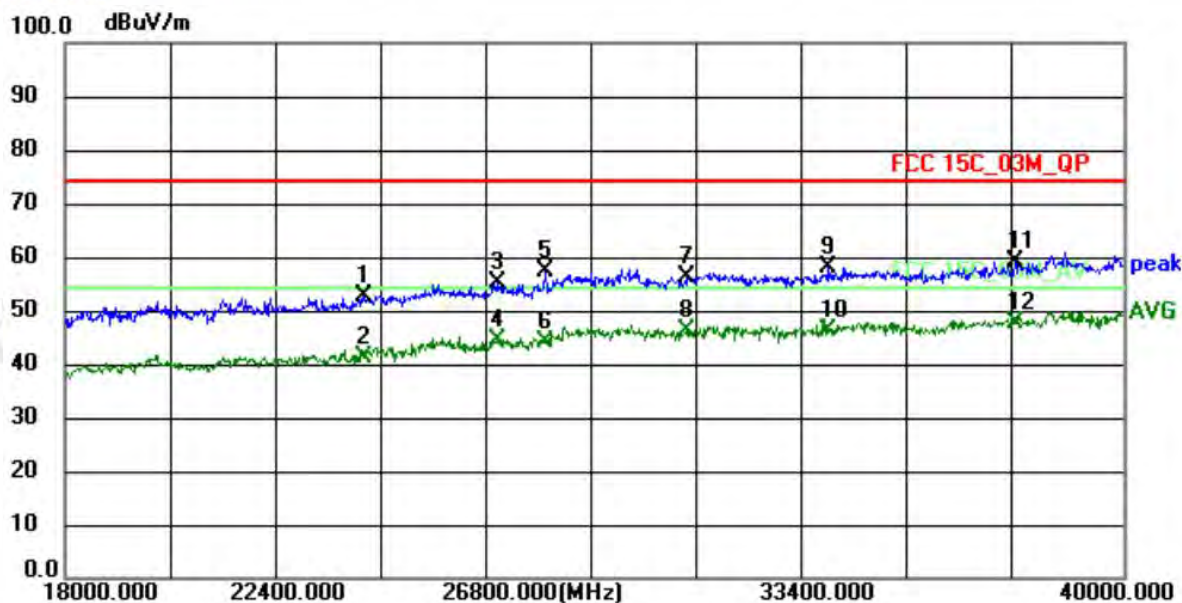
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	23170.000	47.36	3.80	51.16	74.00	-22.84	peak	-	-	P
2	23170.000	37.85	3.80	41.65	54.00	-12.35	AVG	-	-	P
3	25722.000	46.47	5.94	52.41	74.00	-21.59	peak	-	-	P
4	25722.000	36.59	5.94	42.53	54.00	-11.47	AVG	-	-	P
5	29176.000	46.93	9.15	56.08	74.00	-17.92	peak	-	-	P
6	29176.000	35.30	9.15	44.45	54.00	-9.55	AVG	-	-	P
7	30166.000	46.56	9.05	55.61	74.00	-18.39	peak	-	-	P
8	30166.000	35.28	9.05	44.33	54.00	-9.67	AVG	-	-	P
9	34412.000	48.50	9.77	58.27	74.00	-15.73	peak	-	-	P
10	34412.000	37.43	9.77	47.20	54.00	-6.80	AVG	-	-	P
11	37822.000	48.83	9.89	58.72	74.00	-15.28	peak	-	-	P
12 *	37822.000	38.40	9.89	48.29	54.00	-5.71	AVG	-	-	P



Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Test mode:	$\pi/4$ DQPSK-2480MHz

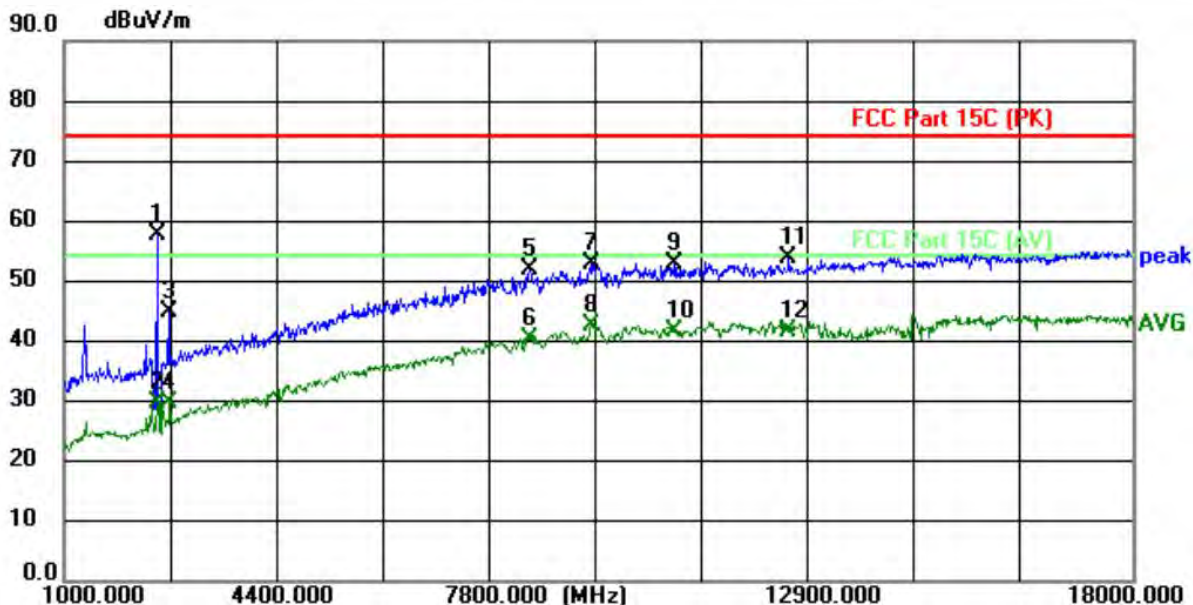


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2479.000	73.14	-15.26	57.88	74.00	-16.12	peak	-	-	P
2	2479.000	49.95	-15.26	34.69	54.00	-19.31	AVG	-	-	P
3	2666.000	63.37	-14.29	49.08	74.00	-24.92	peak	-	-	P
4	2666.000	51.41	-14.29	37.12	54.00	-16.88	AVG	-	-	P
5	4961.000	64.63	-6.86	57.77	74.00	-16.23	peak	-	-	P
6 *	4961.000	51.07	-6.86	44.21	54.00	-9.79	AVG	-	-	P
7	9398.000	51.40	1.85	53.25	74.00	-20.75	peak	-	-	P
8	9398.000	40.85	1.85	42.70	54.00	-11.30	AVG	-	-	P
9	11574.000	49.09	3.98	53.07	74.00	-20.93	peak	-	-	P
10	11574.000	37.96	3.98	41.94	54.00	-12.06	AVG	-	-	P
11	13240.000	48.00	6.29	54.29	74.00	-19.71	peak	-	-	P
12	13240.000	35.29	6.29	41.58	54.00	-12.42	AVG	-	-	P



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	24226.000	48.08	4.74	52.82	74.00	-21.18	peak	-	-	P
2	24226.000	36.49	4.74	41.23	54.00	-12.77	AVG	-	-	P
3	26976.000	48.46	6.84	55.30	74.00	-18.70	peak	-	-	P
4	26976.000	37.79	6.84	44.63	54.00	-9.37	AVG	-	-	P
5	27988.000	49.76	7.60	57.36	74.00	-16.64	peak	-	-	P
6	27988.000	36.47	7.60	44.07	54.00	-9.93	AVG	-	-	P
7	30936.000	47.26	9.04	56.30	74.00	-17.70	peak	-	-	P
8	30936.000	37.12	9.04	46.16	54.00	-7.84	AVG	-	-	P
9	33884.000	48.66	9.49	58.15	74.00	-15.85	peak	-	-	P
10	33884.000	36.81	9.49	46.30	54.00	-7.70	AVG	-	-	P
11	37756.000	49.18	9.87	59.05	74.00	-14.95	peak	-	-	P
12 *	37756.000	37.82	9.87	47.69	54.00	-6.31	AVG	-	-	P

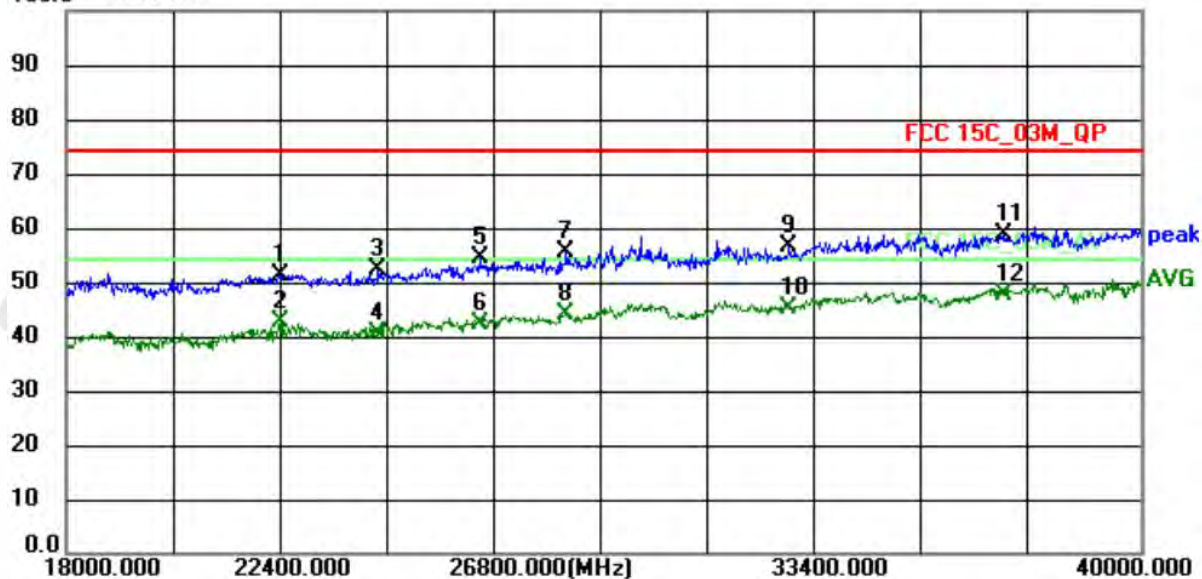
Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Test mode:	$\pi/4$ DQPSK-2480MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2479.000	72.85	-15.26	57.59	74.00	-16.41	peak	-	-	P
2	2479.000	45.09	-15.26	29.83	54.00	-24.17	AVG	-	-	P
3	2666.000	59.26	-14.29	44.97	74.00	-29.03	peak	-	-	P
4	2666.000	44.01	-14.29	29.72	54.00	-24.28	AVG	-	-	P
5	8412.000	51.13	0.87	52.00	74.00	-22.00	peak	-	-	P
6	8412.000	39.56	0.87	40.43	54.00	-13.57	AVG	-	-	P
7	9381.000	51.11	1.84	52.95	74.00	-21.05	peak	-	-	P
8 *	9381.000	40.76	1.84	42.60	54.00	-11.40	AVG	-	-	P
9	10707.000	49.75	3.00	52.75	74.00	-21.25	peak	-	-	P
10	10707.000	38.57	3.00	41.57	54.00	-12.43	AVG	-	-	P
11	12526.000	48.53	5.24	53.77	74.00	-20.23	peak	-	-	P
12	12526.000	36.48	5.24	41.72	54.00	-12.28	AVG	-	-	P



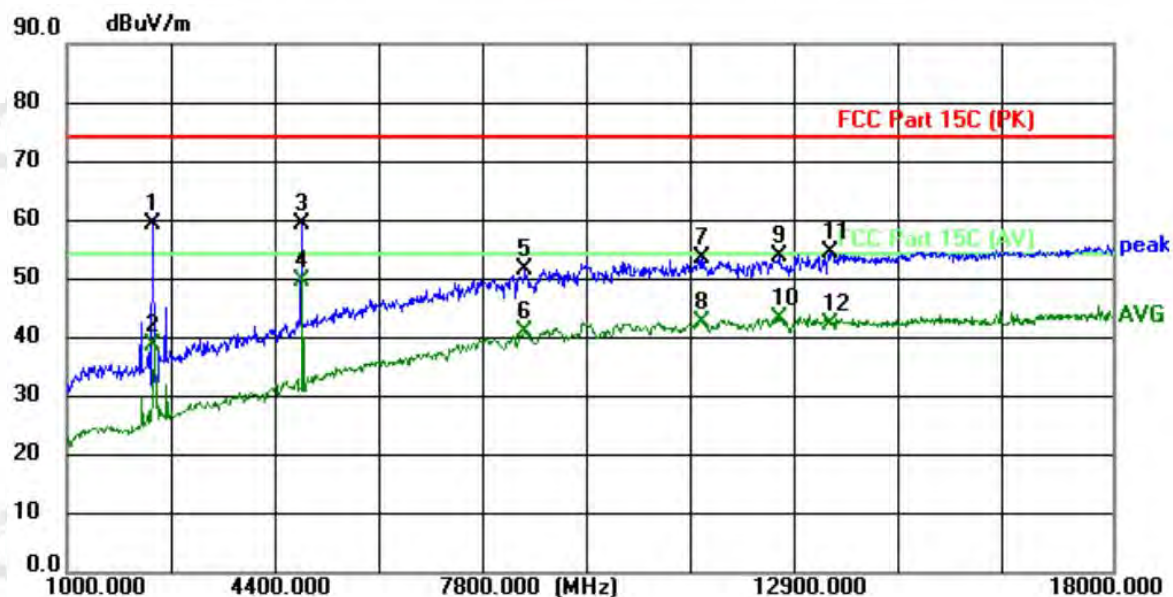
100.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	22400.000	47.56	3.78	51.34	74.00	-22.66	peak	-	-	P
2	22400.000	38.80	3.78	42.58	54.00	-11.42	AVG	-	-	P
3	24380.000	47.47	4.79	52.26	74.00	-21.74	peak	-	-	P
4	24380.000	35.81	4.79	40.60	54.00	-13.40	AVG	-	-	P
5	26470.000	48.36	6.28	54.64	74.00	-19.36	peak	-	-	P
6	26470.000	36.16	6.28	42.44	54.00	-11.56	AVG	-	-	P
7	28230.000	47.41	7.97	55.38	74.00	-18.62	peak	-	-	P
8	28230.000	36.28	7.97	44.25	54.00	-9.75	AVG	-	-	P
9	32806.000	47.38	9.25	56.63	74.00	-17.37	peak	-	-	P
10	32806.000	36.08	9.25	45.33	54.00	-8.67	AVG	-	-	P
11	37184.000	49.11	9.76	58.87	74.00	-15.13	peak	-	-	P
12 *	37184.000	38.02	9.76	47.78	54.00	-6.22	AVG	-	-	P



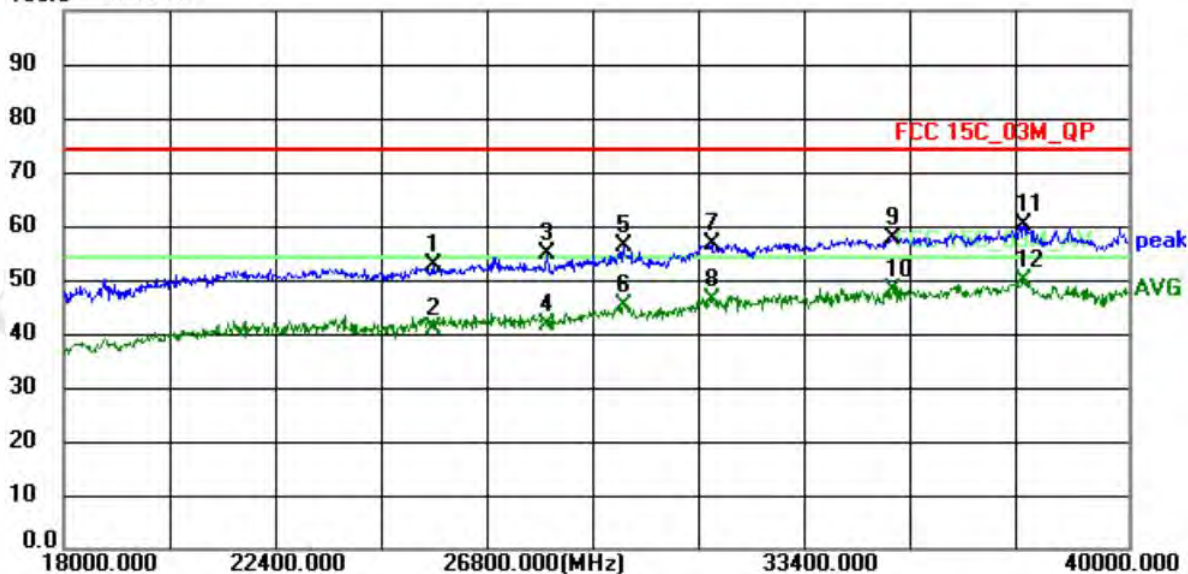
Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Test mode:	8DPSK-2402MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2411.000	74.70	-15.52	59.18	74.00	-14.82	peak	-	-	P
2	2411.000	54.33	-15.52	38.81	54.00	-15.19	AVG	-	-	P
3	4808.000	66.75	-7.41	59.34	74.00	-14.66	peak	-	-	P
4 *	4808.000	57.22	-7.41	49.81	54.00	-4.19	AVG	-	-	P
5	8446.000	50.74	0.91	51.65	74.00	-22.35	peak	-	-	P
6	8446.000	40.22	0.91	41.13	54.00	-12.87	AVG	-	-	P
7	11319.000	49.80	3.70	53.50	74.00	-20.50	peak	-	-	P
8	11319.000	38.95	3.70	42.65	54.00	-11.35	AVG	-	-	P
9	12594.000	48.42	5.34	53.76	74.00	-20.24	peak	-	-	P
10	12594.000	37.75	5.34	43.09	54.00	-10.91	AVG	-	-	P
11	13410.000	47.82	6.53	54.35	74.00	-19.65	peak	-	-	P
12	13410.000	35.78	6.53	42.31	54.00	-11.69	AVG	-	-	P

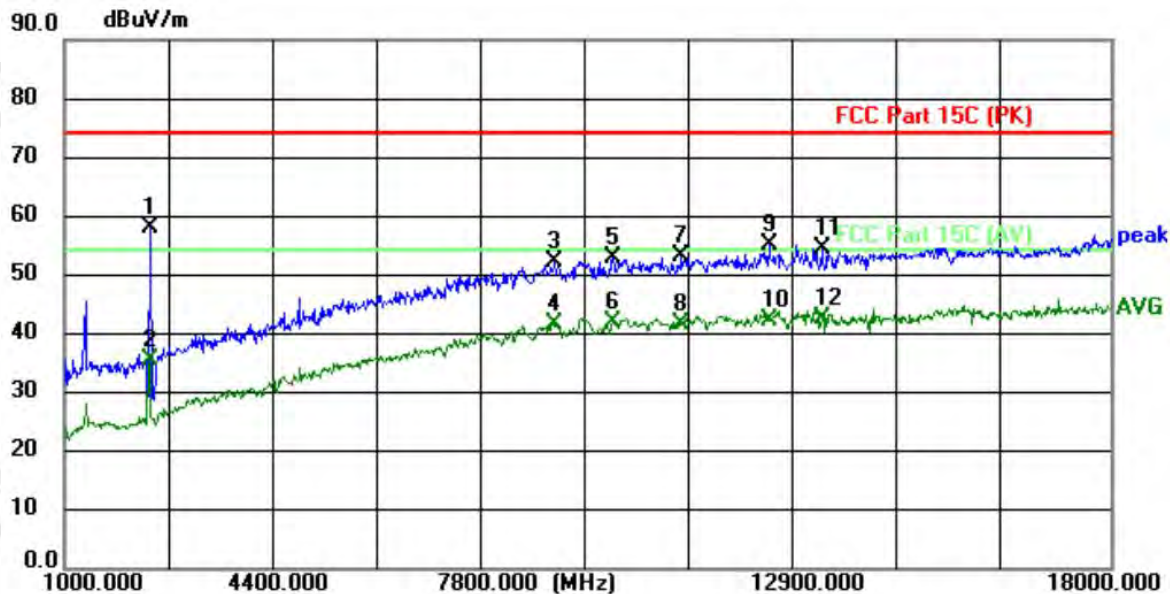


100.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	25656.000	46.82	5.91	52.73	74.00	-21.27	peak	-	-	P
2	25656.000	35.02	5.91	40.93	54.00	-13.07	AVG	-	-	P
3	27988.000	47.26	7.60	54.86	74.00	-19.14	peak	-	-	P
4	27988.000	33.97	7.60	41.57	54.00	-12.43	AVG	-	-	P
5	29572.000	47.13	9.19	56.32	74.00	-17.68	peak	-	-	P
6	29572.000	35.91	9.19	45.10	54.00	-8.90	AVG	-	-	P
7	31398.000	47.29	9.27	56.56	74.00	-17.44	peak	-	-	P
8	31398.000	36.98	9.27	46.25	54.00	-7.75	AVG	-	-	P
9	35138.000	47.69	10.15	57.84	74.00	-16.16	peak	-	-	P
10	35138.000	37.98	10.15	48.13	54.00	-5.87	AVG	-	-	P
11	37844.000	50.18	9.89	60.07	74.00	-13.93	peak	-	-	P
12 *	37844.000	39.77	9.89	49.66	54.00	-4.34	AVG	-	-	P

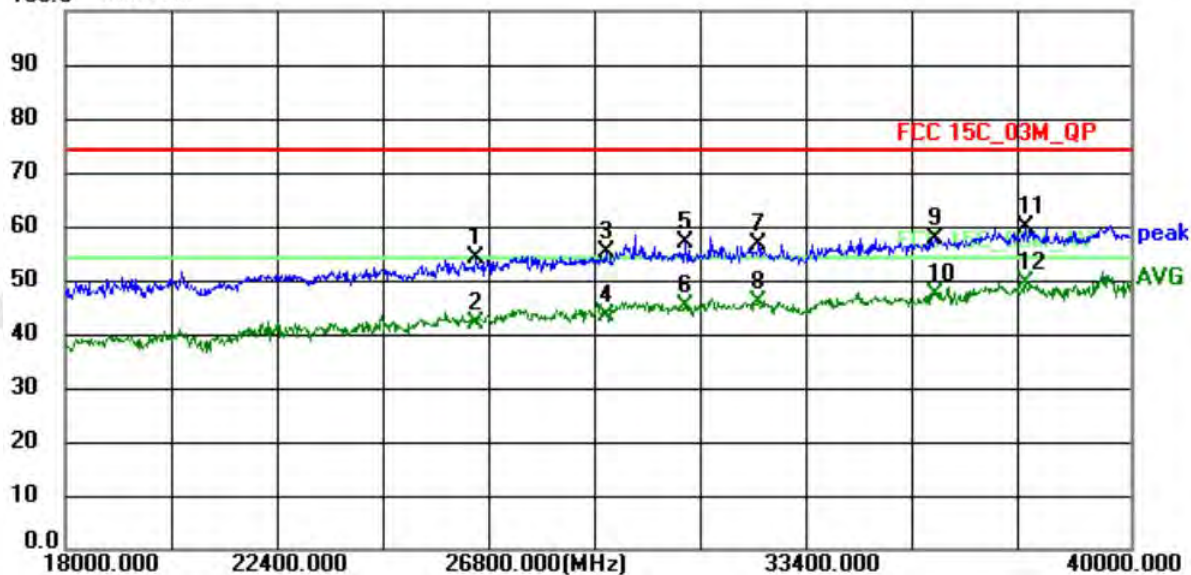
Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Test mode:	8DPSK-2402MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2394.000	73.63	-15.58	58.05	74.00	-15.95	peak	-	-	P
2	2394.000	51.08	-15.58	35.50	54.00	-18.50	AVG	-	-	P
3	8973.000	50.56	1.58	52.14	74.00	-21.86	peak	-	-	P
4	8973.000	39.90	1.58	41.48	54.00	-12.52	AVG	-	-	P
5	9908.000	50.62	2.14	52.76	74.00	-21.24	peak	-	-	P
6	9908.000	39.76	2.14	41.90	54.00	-12.10	AVG	-	-	P
7	11030.000	49.74	3.36	53.10	74.00	-20.90	peak	-	-	P
8	11030.000	38.35	3.36	41.71	54.00	-12.29	AVG	-	-	P
9	12458.000	49.88	5.13	55.01	74.00	-18.99	peak	-	-	P
10	12458.000	37.13	5.13	42.26	54.00	-11.74	AVG	-	-	P
11	13308.000	48.22	6.38	54.60	74.00	-19.40	peak	-	-	P
12 *	13308.000	36.14	6.38	42.52	54.00	-11.48	AVG	-	-	P



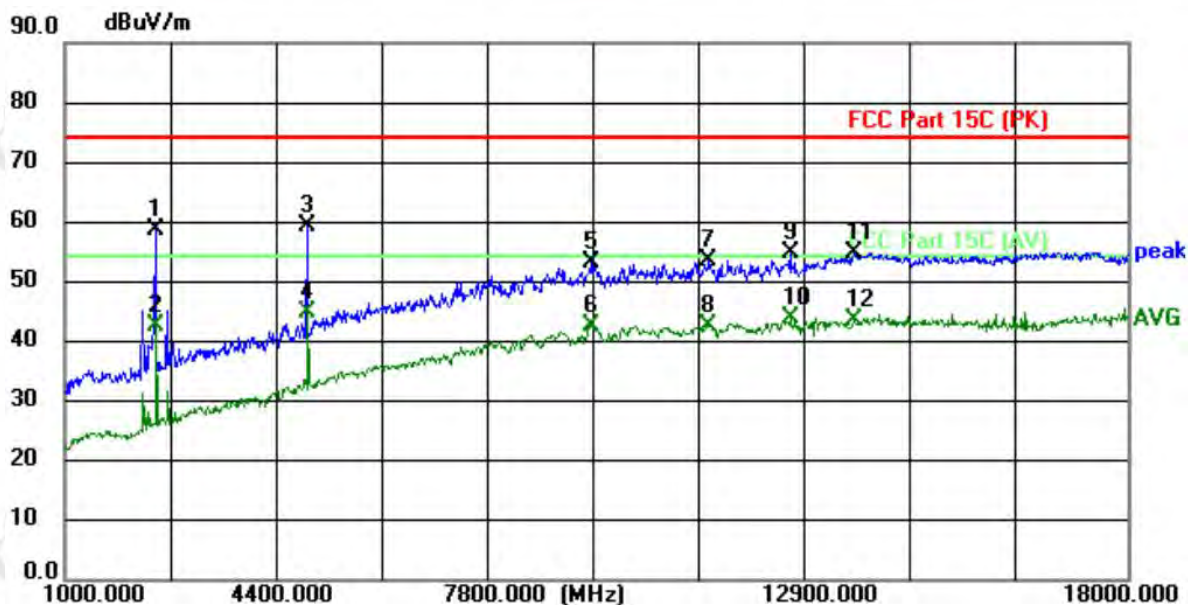
100.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	26470.000	47.86	6.28	54.14	74.00	-19.86	peak	-	-	P
2	26470.000	35.66	6.28	41.94	54.00	-12.06	AVG	-	-	P
3	29176.000	45.93	9.15	55.08	74.00	-18.92	peak	-	-	P
4	29176.000	34.30	9.15	43.45	54.00	-10.55	AVG	-	-	P
5	30826.000	47.78	9.02	56.80	74.00	-17.20	peak	-	-	P
6	30826.000	36.00	9.02	45.02	54.00	-8.98	AVG	-	-	P
7	32322.000	47.30	9.37	56.67	74.00	-17.33	peak	-	-	P
8	32322.000	36.40	9.37	45.77	54.00	-8.23	AVG	-	-	P
9	35974.000	47.75	9.97	57.72	74.00	-16.28	peak	-	-	P
10	35974.000	37.37	9.97	47.34	54.00	-6.66	AVG	-	-	P
11	37822.000	49.83	9.89	59.72	74.00	-14.28	peak	-	-	P
12 *	37822.000	39.40	9.89	49.29	54.00	-4.71	AVG	-	-	P



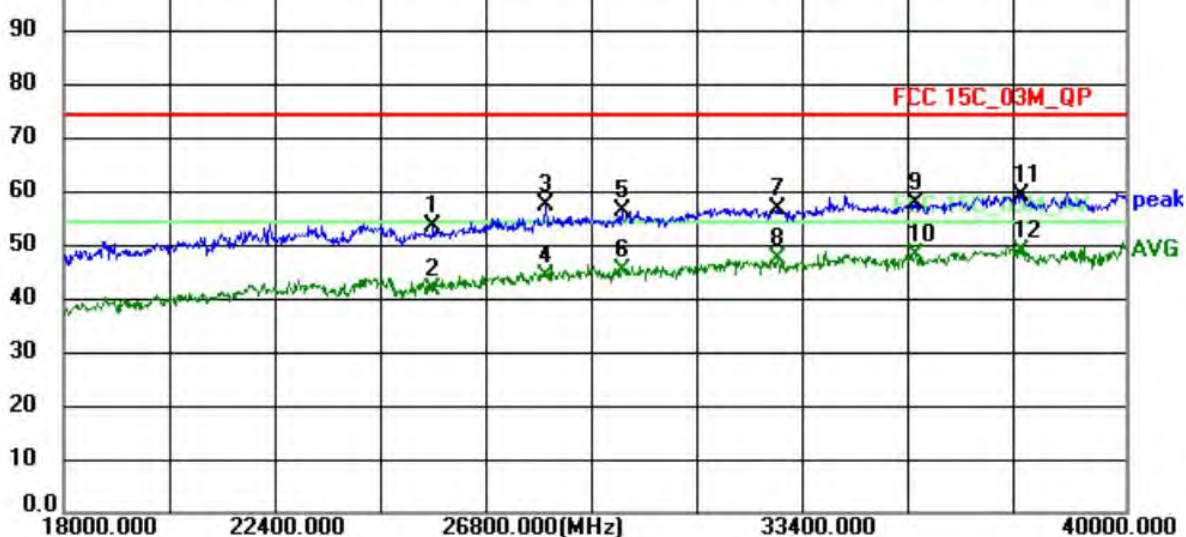
Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Test mode:	8DPSK-2441MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2445.000	74.11	-15.39	58.72	74.00	-15.28	peak	-	-	P
2	2445.000	58.02	-15.39	42.63	54.00	-11.37	AVG	-	-	P
3	4876.000	66.47	-7.17	59.30	74.00	-14.70	peak	-	-	P
4 *	4876.000	52.13	-7.17	44.96	54.00	-9.04	AVG	-	-	P
5	9432.000	51.45	1.87	53.32	74.00	-20.68	peak	-	-	P
6	9432.000	40.56	1.87	42.43	54.00	-11.57	AVG	-	-	P
7	11302.000	49.79	3.68	53.47	74.00	-20.53	peak	-	-	P
8	11302.000	39.06	3.68	42.74	54.00	-11.26	AVG	-	-	P
9	12611.000	49.33	5.36	54.69	74.00	-19.31	peak	-	-	P
10	12611.000	38.43	5.36	43.79	54.00	-10.21	AVG	-	-	P
11	13614.000	47.94	6.83	54.77	74.00	-19.23	peak	-	-	P
12	13614.000	36.64	6.83	43.47	54.00	-10.53	AVG	-	-	P

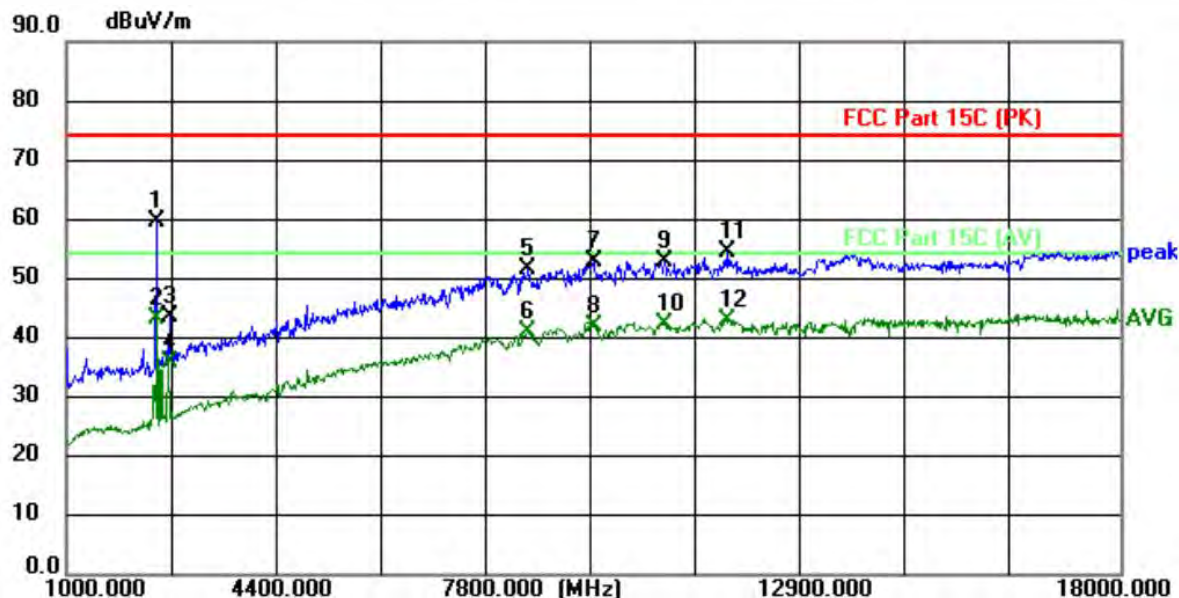


100.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	25656.000	47.32	5.91	53.23	74.00	-20.77	peak	-	-	P
2	25656.000	35.52	5.91	41.43	54.00	-12.57	AVG	-	-	P
3	27988.000	49.76	7.60	57.36	74.00	-16.64	peak	-	-	P
4	27988.000	36.47	7.60	44.07	54.00	-9.93	AVG	-	-	P
5	29572.000	47.13	9.19	56.32	74.00	-17.68	peak	-	-	P
6	29572.000	35.91	9.19	45.10	54.00	-8.90	AVG	-	-	P
7	32784.000	47.49	9.25	56.74	74.00	-17.26	peak	-	-	P
8	32784.000	38.18	9.25	47.43	54.00	-6.57	AVG	-	-	P
9	35644.000	47.43	10.17	57.60	74.00	-16.40	peak	-	-	P
10	35644.000	38.00	10.17	48.17	54.00	-5.83	AVG	-	-	P
11	37844.000	49.18	9.89	59.07	74.00	-14.93	peak	-	-	P
12 *	37844.000	38.77	9.89	48.66	54.00	-5.34	AVG	-	-	P

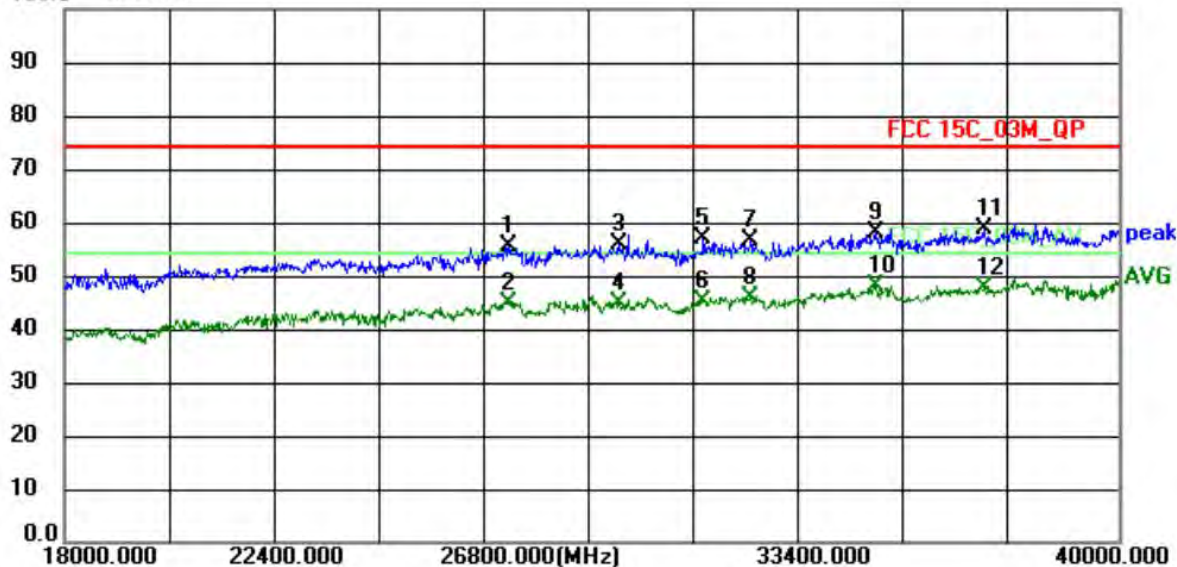
Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Test mode:	8DPSK-2441MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2445.000	74.89	-15.39	59.50	74.00	-14.50	peak	-	-	P
2 *	2445.000	58.50	-15.39	43.11	54.00	-10.89	AVG	-	-	P
3	2666.000	58.00	-14.29	43.71	74.00	-30.29	peak	-	-	P
4	2666.000	50.23	-14.29	35.94	54.00	-18.06	AVG	-	-	P
5	8446.000	50.68	0.91	51.59	74.00	-22.41	peak	-	-	P
6	8446.000	40.21	0.91	41.12	54.00	-12.88	AVG	-	-	P
7	9500.000	51.11	1.90	53.01	74.00	-20.99	peak	-	-	P
8	9500.000	40.15	1.90	42.05	54.00	-11.95	AVG	-	-	P
9	10656.000	49.93	2.94	52.87	74.00	-21.13	peak	-	-	P
10	10656.000	39.29	2.94	42.23	54.00	-11.77	AVG	-	-	P
11	11676.000	50.31	4.10	54.41	74.00	-19.59	peak	-	-	P
12	11676.000	38.74	4.10	42.84	54.00	-11.16	AVG	-	-	P



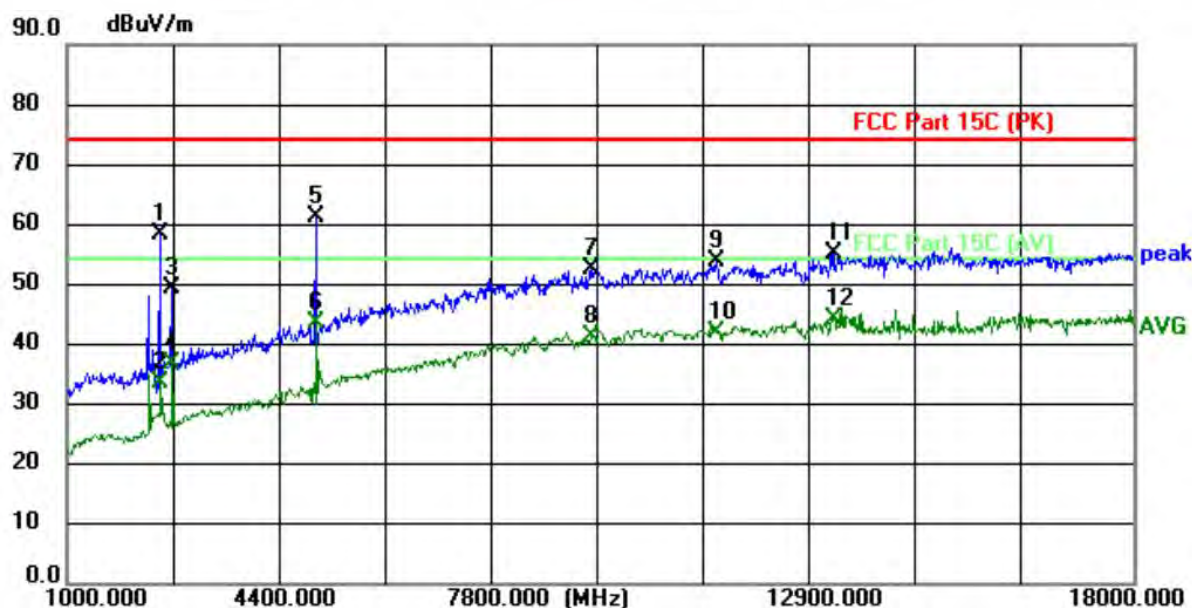
100.0 dBuV/m



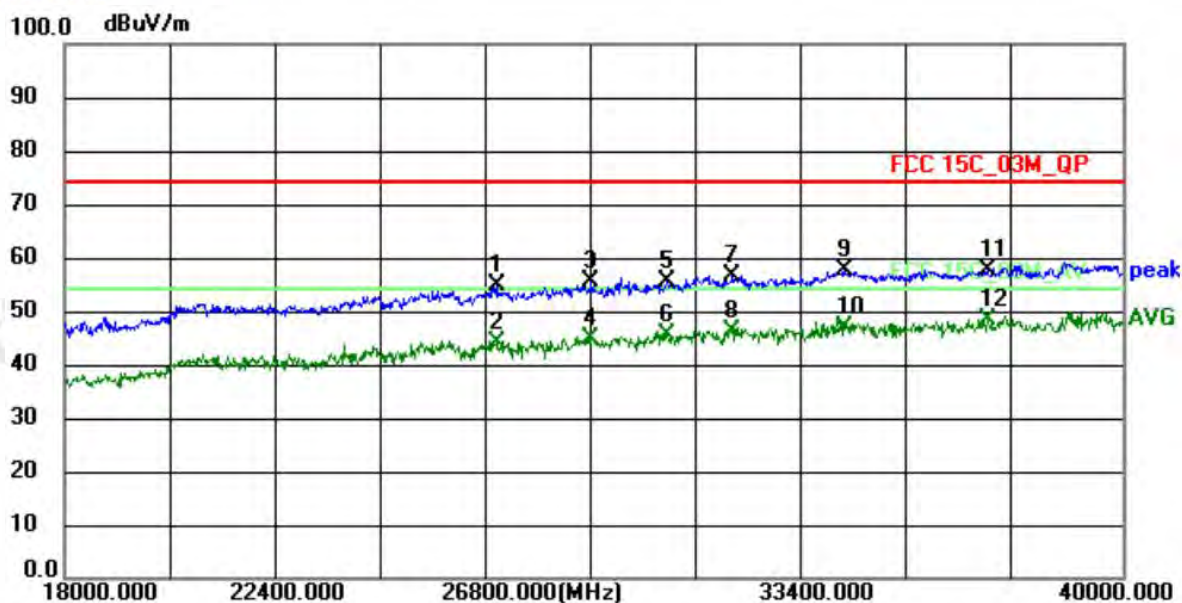
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	27284.000	48.39	7.01	55.40	74.00	-18.60	peak	-	-	P
2	27284.000	37.76	7.01	44.77	54.00	-9.23	AVG	-	-	P
3	29594.000	46.60	9.18	55.78	74.00	-18.22	peak	-	-	P
4	29594.000	35.80	9.18	44.98	54.00	-9.02	AVG	-	-	P
5	31332.000	47.82	9.23	57.05	74.00	-16.95	peak	-	-	P
6	31332.000	35.92	9.23	45.15	54.00	-8.85	AVG	-	-	P
7	32322.000	47.30	9.37	56.67	74.00	-17.33	peak	-	-	P
8	32322.000	36.40	9.37	45.77	54.00	-8.23	AVG	-	-	P
9	34918.000	48.01	10.06	58.07	74.00	-15.93	peak	-	-	P
10 *	34918.000	37.80	10.06	47.86	54.00	-6.14	AVG	-	-	P
11	37184.000	49.11	9.76	58.87	74.00	-15.13	peak	-	-	P
12	37184.000	38.02	9.76	47.78	54.00	-6.22	AVG	-	-	P



Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Test mode:	8DPSK-2480MHz

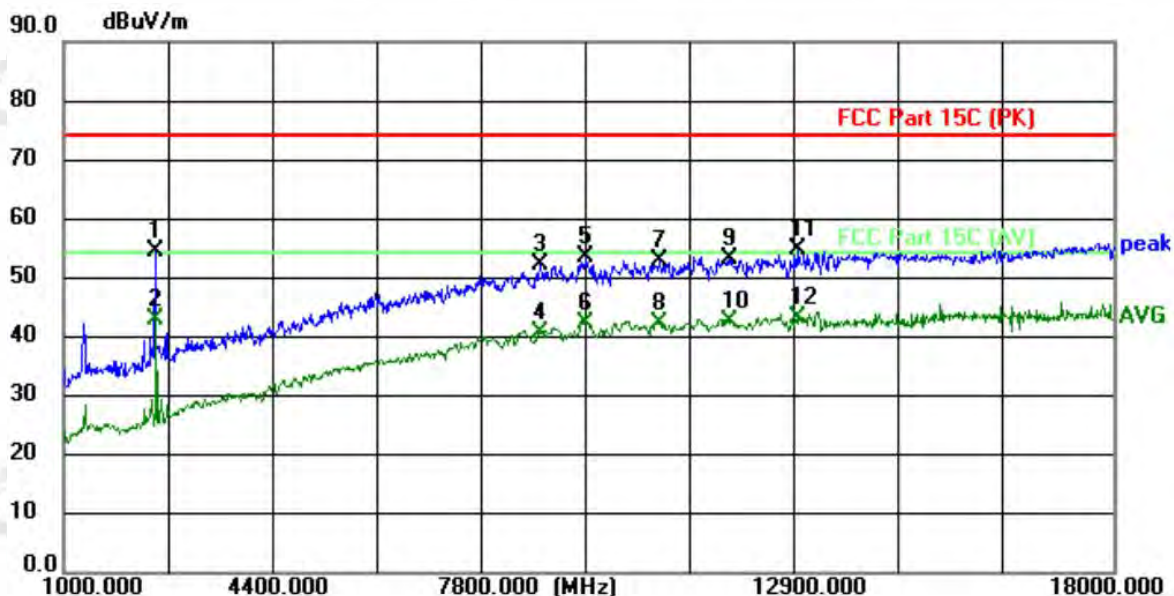


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2479.000	73.64	-15.26	58.38	74.00	-15.62	peak	-	-	P
2	2479.000	48.92	-15.26	33.66	54.00	-20.34	AVG	-	-	P
3	2666.000	63.63	-14.29	49.34	74.00	-24.66	peak	-	-	P
4	2666.000	51.21	-14.29	36.92	54.00	-17.08	AVG	-	-	P
5	4961.000	68.17	-6.86	61.31	74.00	-12.69	peak	-	-	P
6	4961.000	50.37	-6.86	43.51	54.00	-10.49	AVG	-	-	P
7	9347.000	50.81	1.82	52.63	74.00	-21.37	peak	-	-	P
8	9347.000	39.42	1.82	41.24	54.00	-12.76	AVG	-	-	P
9	11370.000	50.14	3.76	53.90	74.00	-20.10	peak	-	-	P
10	11370.000	38.33	3.76	42.09	54.00	-11.91	AVG	-	-	P
11	13223.000	48.98	6.26	55.24	74.00	-18.76	peak	-	-	P
12 *	13223.000	38.06	6.26	44.32	54.00	-9.68	AVG	-	-	P



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	26976.000	47.96	6.84	54.80	74.00	-19.20	peak	-	-	P
2	26976.000	37.29	6.84	44.13	54.00	-9.87	AVG	-	-	P
3	28956.000	46.54	9.06	55.60	74.00	-18.40	peak	-	-	P
4	28956.000	35.60	9.06	44.66	54.00	-9.34	AVG	-	-	P
5	30518.000	46.67	8.96	55.63	74.00	-18.37	peak	-	-	P
6	30518.000	36.67	8.96	45.63	54.00	-8.37	AVG	-	-	P
7	31882.000	47.12	9.40	56.52	74.00	-17.48	peak	-	-	P
8	31882.000	36.83	9.40	46.23	54.00	-7.77	AVG	-	-	P
9	34214.000	47.91	9.67	57.58	74.00	-16.42	peak	-	-	P
10	34214.000	37.20	9.67	46.87	54.00	-7.13	AVG	-	-	P
11	37184.000	47.80	9.76	57.56	74.00	-16.44	peak	-	-	P
12 *	37184.000	38.78	9.76	48.54	54.00	-5.46	AVG	-	-	P

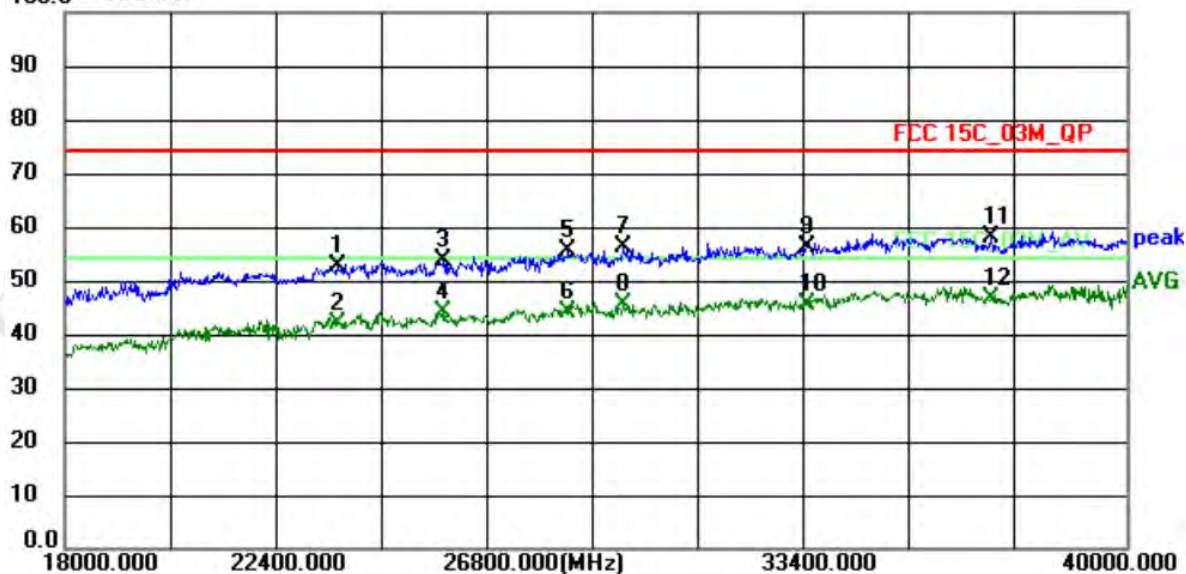
Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Test mode:	8DPSK-2480MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2479.000	69.59	-15.26	54.33	74.00	-19.67	peak	-	-	P
2	2479.000	58.20	-15.26	42.94	54.00	-11.06	AVG	-	-	P
3	8718.000	50.89	1.26	52.15	74.00	-21.85	peak	-	-	P
4	8718.000	39.46	1.26	40.72	54.00	-13.28	AVG	-	-	P
5	9466.000	51.58	1.88	53.46	74.00	-20.54	peak	-	-	P
6	9466.000	40.47	1.88	42.35	54.00	-11.65	AVG	-	-	P
7	10656.000	49.97	2.94	52.91	74.00	-21.09	peak	-	-	P
8	10656.000	39.19	2.94	42.13	54.00	-11.87	AVG	-	-	P
9	11778.000	49.07	4.22	53.29	74.00	-20.71	peak	-	-	P
10	11778.000	38.39	4.22	42.61	54.00	-11.39	AVG	-	-	P
11	12900.000	48.99	5.78	54.77	74.00	-19.23	peak	-	-	P
12 *	12900.000	37.34	5.78	43.12	54.00	-10.88	AVG	-	-	P



100.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	23654.000	48.38	4.31	52.69	74.00	-21.31	peak	-	-	P
2	23654.000	37.66	4.31	41.97	54.00	-12.03	AVG	-	-	P
3	25854.000	47.68	5.99	53.67	74.00	-20.33	peak	-	-	P
4	25854.000	37.97	5.99	43.96	54.00	-10.04	AVG	-	-	P
5	28428.000	47.31	8.27	55.58	74.00	-18.42	peak	-	-	P
6	28428.000	35.90	8.27	44.17	54.00	-9.83	AVG	-	-	P
7	29594.000	47.10	9.18	56.28	74.00	-17.72	peak	-	-	P
8	29594.000	36.30	9.18	45.48	54.00	-8.52	AVG	-	-	P
9	33378.000	46.95	9.28	56.23	74.00	-17.77	peak	-	-	P
10	33378.000	36.31	9.28	45.59	54.00	-8.41	AVG	-	-	P
11	37184.000	48.11	9.76	57.87	74.00	-16.13	peak	-	-	P
12 *	37184.000	37.02	9.76	46.78	54.00	-7.22	AVG	-	-	P

Remark:

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

2. '-'Means' the test Degree and Height are not recorded by the test software and only show the worstcase in the test report.

**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:

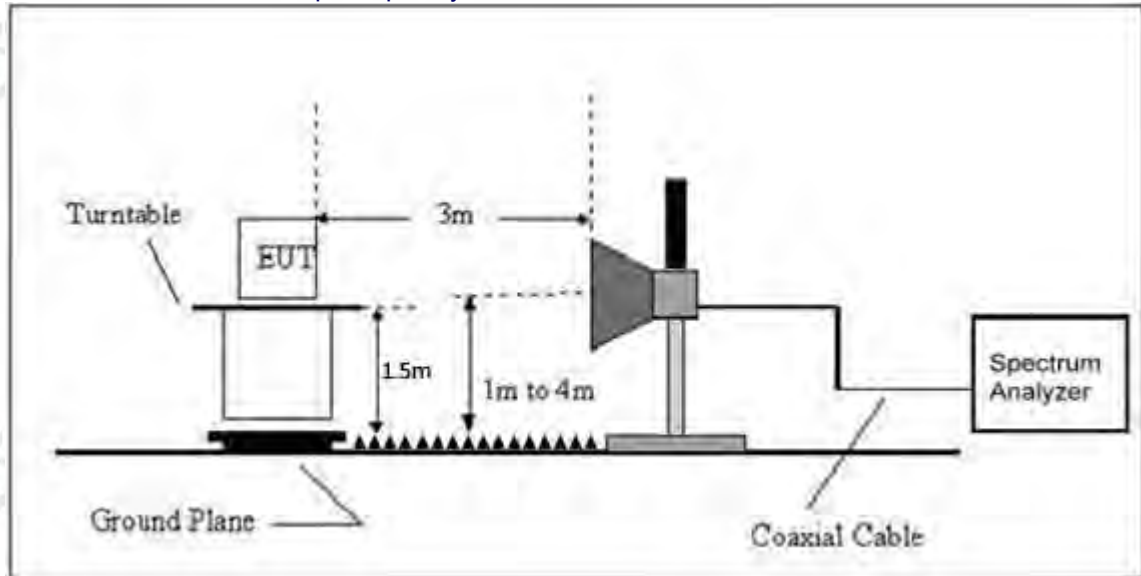
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

6.3 DEVIATION FROM TEST STANDARD

No deviation

6.4 TEST SETUP

Radiated Emission Test-Up Frequency Above 1GHz



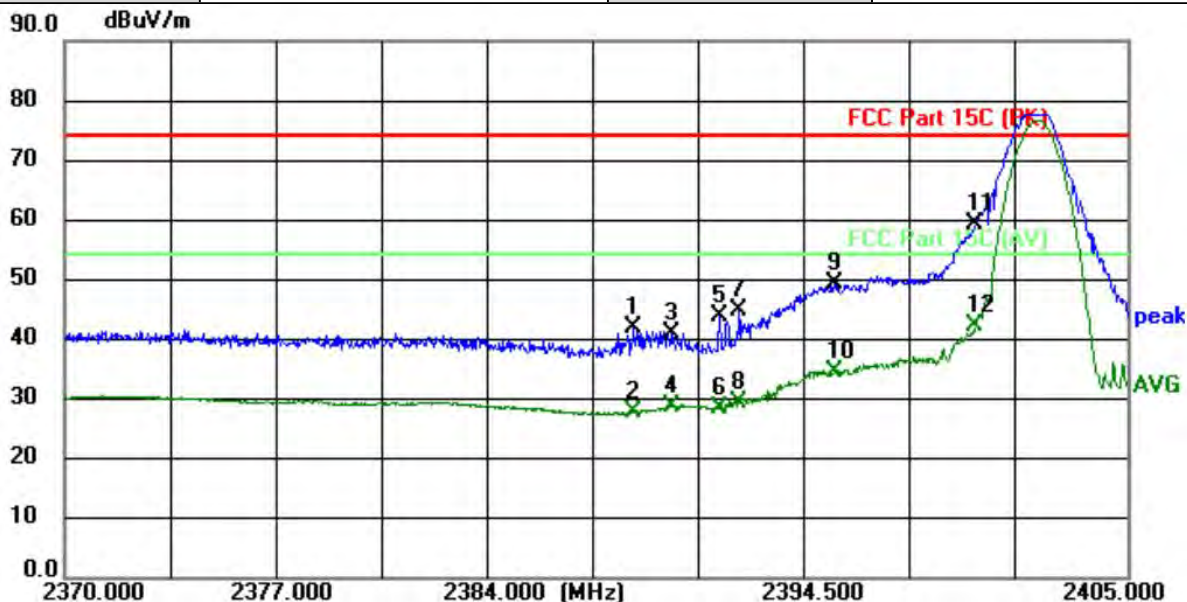
6.5 EUT OPERATING CONDITIONS

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

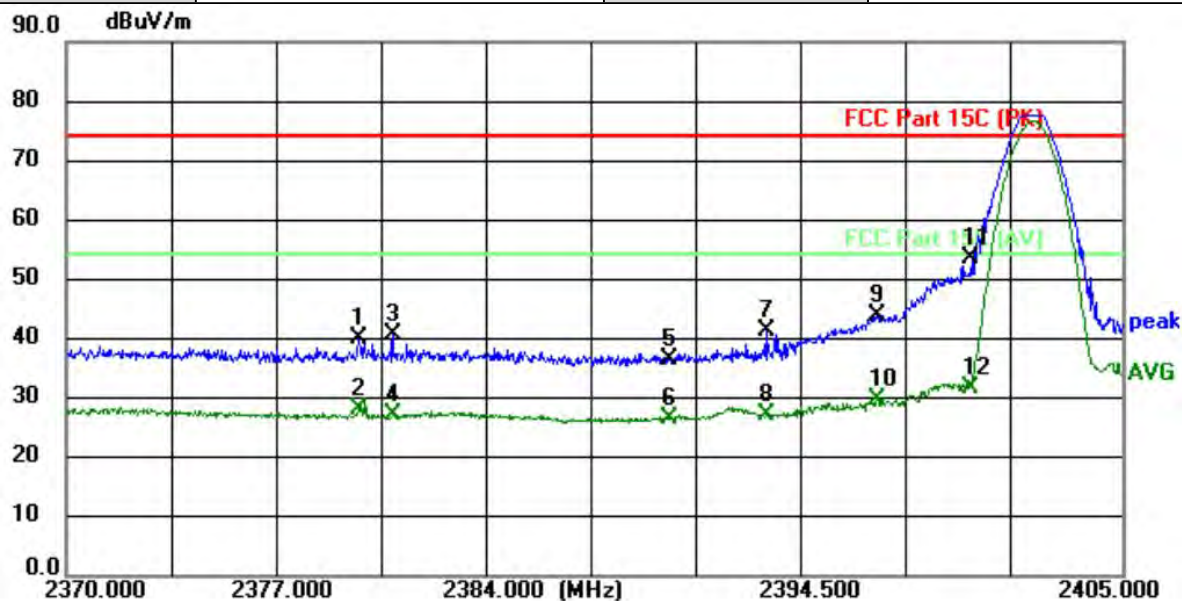
Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Test mode:	GFSK-2402MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2388.760	57.70	-15.61	42.09	74.00	-31.91	peak	-	-	P
2	2388.760	43.37	-15.61	27.76	54.00	-26.24	AVG	-	-	P
3	2390.000	56.65	-15.61	41.04	74.00	-32.96	peak	-	-	P
4	2390.000	44.24	-15.61	28.63	54.00	-25.37	AVG	-	-	P
5	2391.595	59.41	-15.60	43.81	74.00	-30.19	peak	-	-	P
6	2391.595	44.01	-15.60	28.41	54.00	-25.59	AVG	-	-	P
7	2392.225	60.49	-15.60	44.89	74.00	-29.11	peak	-	-	P
8	2392.225	45.01	-15.60	29.41	54.00	-24.59	AVG	-	-	P
9	2395.340	64.78	-15.58	49.20	74.00	-24.80	peak	-	-	P
10	2395.340	50.03	-15.58	34.45	54.00	-19.55	AVG	-	-	P
11	2400.000	74.83	-15.57	59.26	74.00	-14.74	peak	-	-	P
12 *	2400.000	57.95	-15.57	42.38	54.00	-11.62	AVG	-	-	P



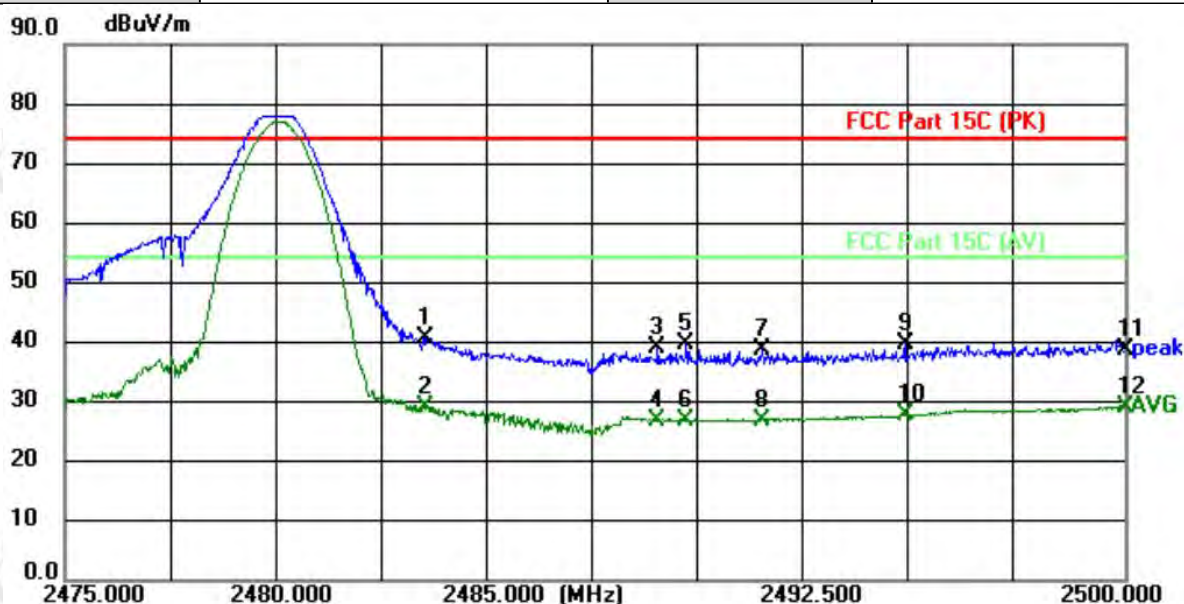
Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Test mode:	GFSK-2402MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2379.695	55.54	-15.64	39.90	74.00	-34.10	peak	-	-	P
2	2379.695	43.73	-15.64	28.09	54.00	-25.91	AVG	-	-	P
3	2380.815	56.20	-15.64	40.56	74.00	-33.44	peak	-	-	P
4	2380.815	42.73	-15.64	27.09	54.00	-26.91	AVG	-	-	P
5	2390.000	52.22	-15.61	36.61	74.00	-37.39	peak	-	-	P
6	2390.000	42.25	-15.61	26.64	54.00	-27.36	AVG	-	-	P
7	2393.205	56.95	-15.58	41.37	74.00	-32.63	peak	-	-	P
8	2393.205	42.74	-15.58	27.16	54.00	-26.84	AVG	-	-	P
9	2396.880	59.32	-15.58	43.74	74.00	-30.26	peak	-	-	P
10	2396.880	45.21	-15.58	29.63	54.00	-24.37	AVG	-	-	P
11 *	2400.000	68.95	-15.57	53.38	74.00	-20.62	peak	-	-	P
12	2400.000	47.19	-15.57	31.62	54.00	-22.38	AVG	-	-	P



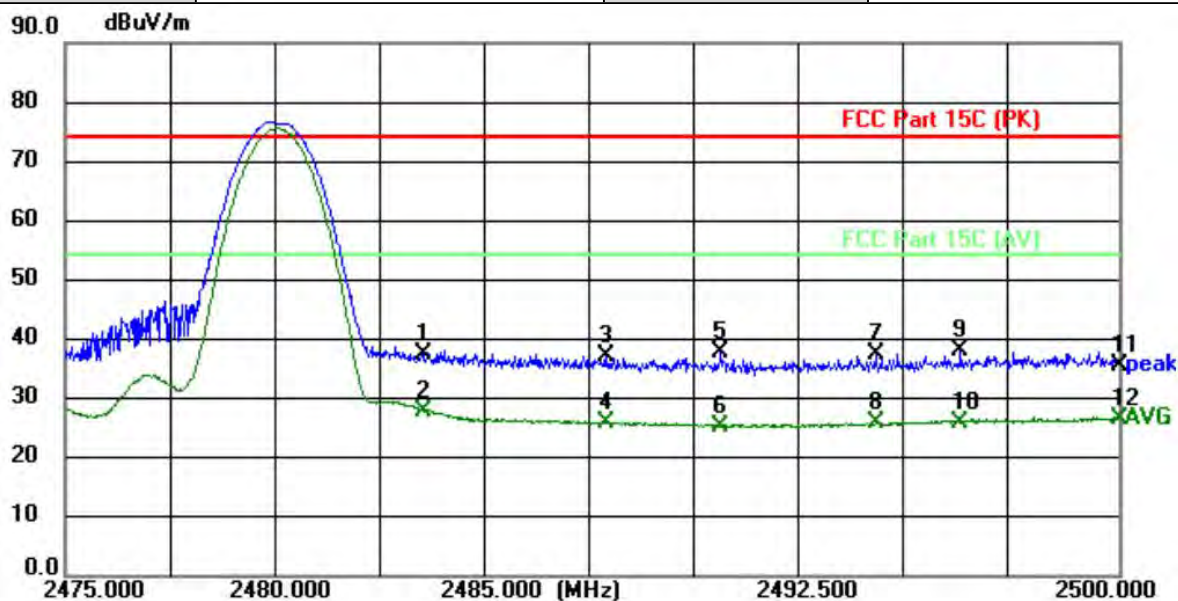
Temperature:	25.6°C	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Test mode:	GFSK-2480MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2483.500	55.92	-15.24	40.68	74.00	-33.32	peak	-	-	P
2	2483.500	44.29	-15.24	29.05	54.00	-24.95	AVG	-	-	P
3	2488.975	54.15	-15.22	38.93	74.00	-35.07	peak	-	-	P
4	2488.975	42.13	-15.22	26.91	54.00	-27.09	AVG	-	-	P
5	2489.650	54.85	-15.22	39.63	74.00	-34.37	peak	-	-	P
6	2489.650	42.13	-15.22	26.91	54.00	-27.09	AVG	-	-	P
7	2491.450	53.81	-15.21	38.60	74.00	-35.40	peak	-	-	P
8	2491.450	42.21	-15.21	27.00	54.00	-27.00	AVG	-	-	P
9	2494.825	54.90	-15.19	39.71	74.00	-34.29	peak	-	-	P
10	2494.825	42.97	-15.19	27.78	54.00	-26.22	AVG	-	-	P
11	2500.000	53.87	-15.18	38.69	74.00	-35.31	peak	-	-	P
12 *	2500.000	44.29	-15.18	29.11	54.00	-24.89	AVG	-	-	P

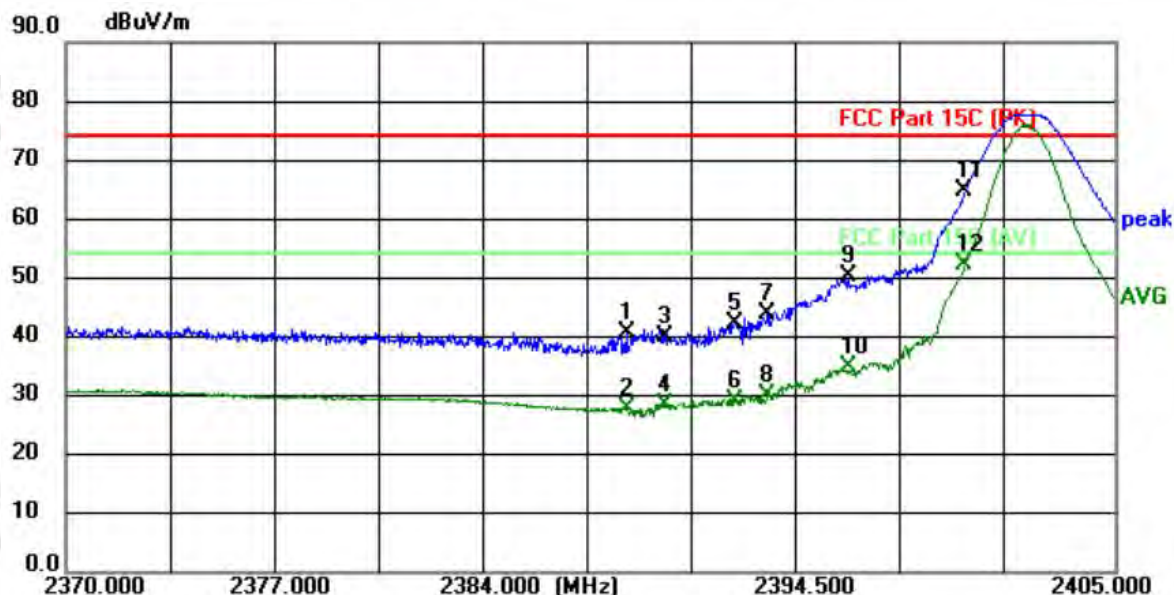


Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Test mode:	GFSK-2480MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2483.500	52.57	-15.24	37.33	74.00	-36.67	peak	-	-	P
2 *	2483.500	43.15	-15.24	27.91	54.00	-26.09	AVG	-	-	P
3	2487.825	52.48	-15.23	37.25	74.00	-36.75	peak	-	-	P
4	2487.825	41.01	-15.23	25.78	54.00	-28.22	AVG	-	-	P
5	2490.550	53.06	-15.21	37.85	74.00	-36.15	peak	-	-	P
6	2490.550	40.58	-15.21	25.37	54.00	-28.63	AVG	-	-	P
7	2494.225	52.50	-15.19	37.31	74.00	-36.69	peak	-	-	P
8	2494.225	40.91	-15.19	25.72	54.00	-28.28	AVG	-	-	P
9	2496.250	53.13	-15.19	37.94	74.00	-36.06	peak	-	-	P
10	2496.250	41.16	-15.19	25.97	54.00	-28.03	AVG	-	-	P
11	2500.000	50.62	-15.18	35.44	74.00	-38.56	peak	-	-	P
12	2500.000	41.62	-15.18	26.44	54.00	-27.56	AVG	-	-	P

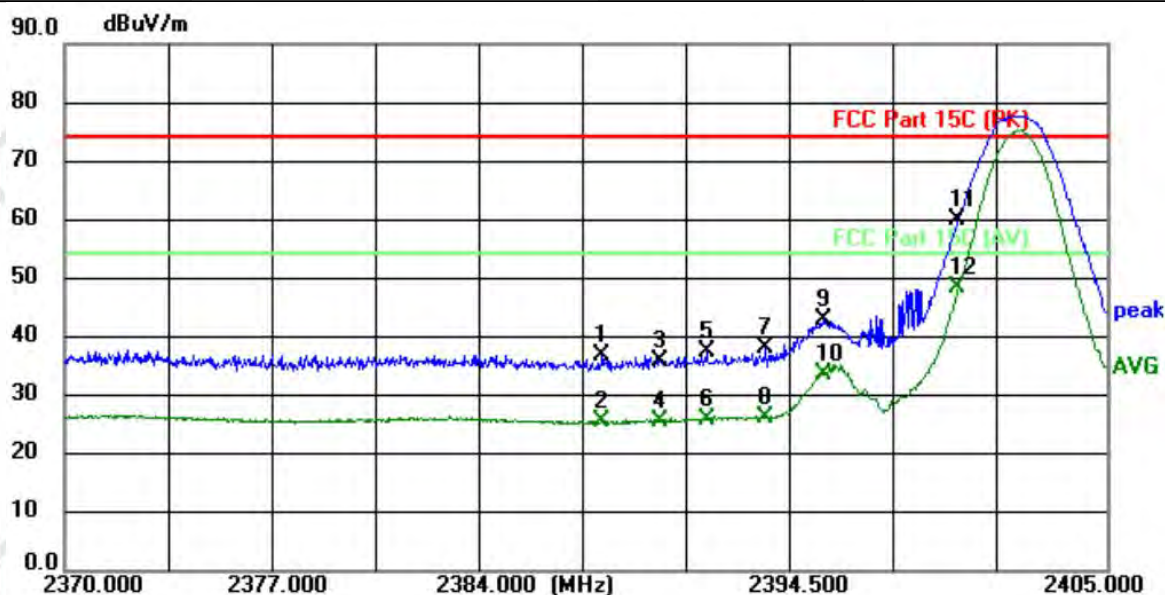
Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Test mode:	$\pi/4$ DQPSK--2402MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2388.725	56.24	-15.61	40.63	74.00	-33.37	peak	-	-	P
2	2388.725	43.45	-15.61	27.84	54.00	-26.16	AVG	-	-	P
3	2390.000	55.62	-15.61	40.01	74.00	-33.99	peak	-	-	P
4	2390.000	44.07	-15.61	28.46	54.00	-25.54	AVG	-	-	P
5	2392.330	57.97	-15.60	42.37	74.00	-31.63	peak	-	-	P
6	2392.330	44.71	-15.60	29.11	54.00	-24.89	AVG	-	-	P
7	2393.415	59.31	-15.58	43.73	74.00	-30.27	peak	-	-	P
8	2393.415	45.61	-15.58	30.03	54.00	-23.97	AVG	-	-	P
9	2396.110	65.77	-15.58	50.19	74.00	-23.81	peak	-	-	P
10	2396.110	50.33	-15.58	34.75	54.00	-19.25	AVG	-	-	P
11	2400.000	80.42	-15.57	64.85	74.00	-9.15	peak	-	-	P
12 *	2400.000	67.84	-15.57	52.27	54.00	-1.73	AVG	-	-	P



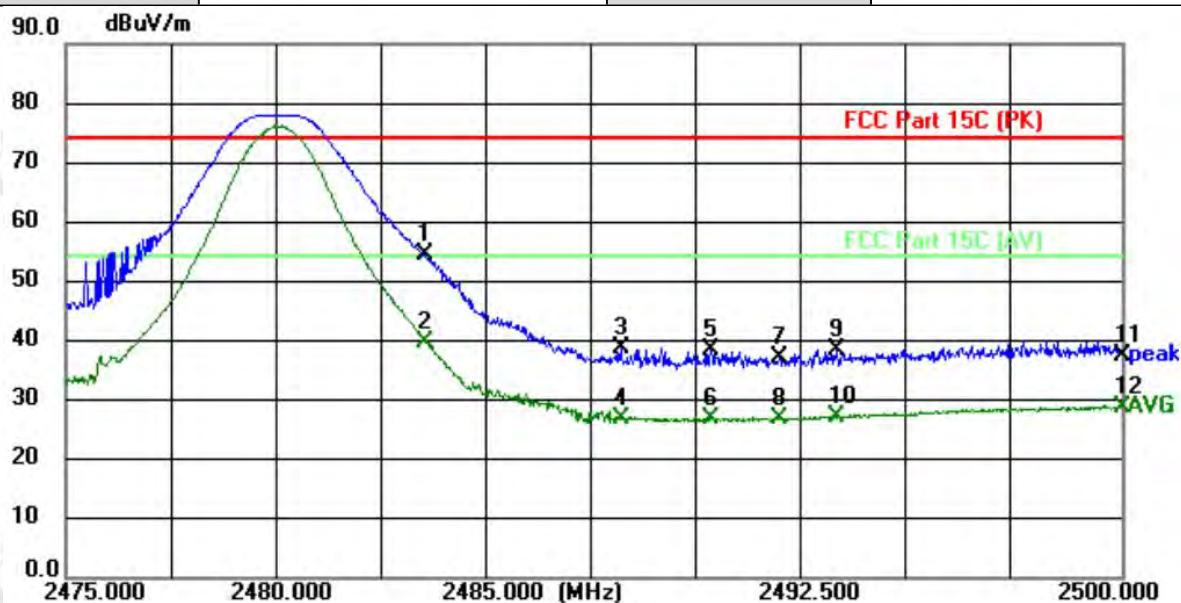
Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Test mode:	$\pi/4$ DQPSK--2402MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2388.060	52.41	-15.62	36.79	74.00	-37.21	peak	-	-	P
2	2388.060	41.18	-15.62	25.56	54.00	-28.44	AVG	-	-	P
3	2390.000	51.49	-15.61	35.88	74.00	-38.12	peak	-	-	P
4	2390.000	41.32	-15.61	25.71	54.00	-28.29	AVG	-	-	P
5	2391.560	52.90	-15.60	37.30	74.00	-36.70	peak	-	-	P
6	2391.560	41.47	-15.60	25.87	54.00	-28.13	AVG	-	-	P
7	2393.555	53.71	-15.58	38.13	74.00	-35.87	peak	-	-	P
8	2393.555	41.67	-15.58	26.09	54.00	-27.91	AVG	-	-	P
9	2395.515	58.36	-15.58	42.78	74.00	-31.22	peak	-	-	P
10	2395.515	49.10	-15.58	33.52	54.00	-20.48	AVG	-	-	P
11	2400.000	75.40	-15.57	59.83	74.00	-14.17	peak	-	-	P
12 *	2400.000	63.87	-15.57	48.30	54.00	-5.70	AVG	-	-	P



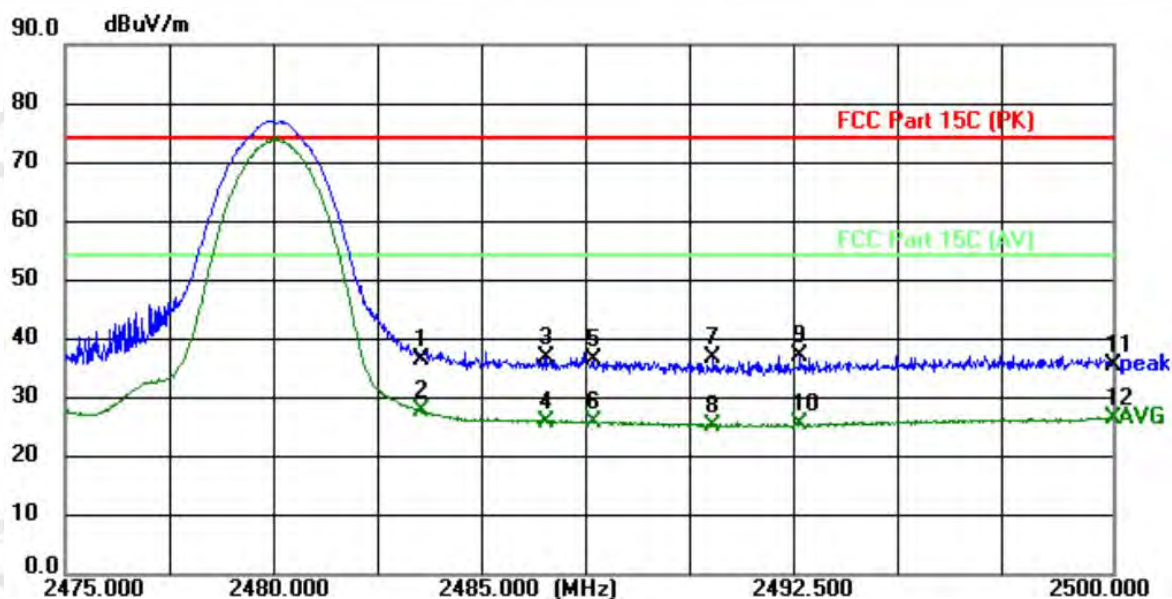
Temperature:	25.6°C	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Test mode:	$\pi/4$ DQPSK--2480MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2483.500	69.61	-15.24	54.37	74.00	-19.63	peak	-	-	P
2 *	2483.500	54.96	-15.24	39.72	54.00	-14.28	AVG	-	-	P
3	2488.150	54.10	-15.23	38.87	74.00	-35.13	peak	-	-	P
4	2488.150	42.23	-15.23	27.00	54.00	-27.00	AVG	-	-	P
5	2490.275	53.50	-15.21	38.29	74.00	-35.71	peak	-	-	P
6	2490.275	42.04	-15.21	26.83	54.00	-27.17	AVG	-	-	P
7	2491.900	52.45	-15.21	37.24	74.00	-36.76	peak	-	-	P
8	2491.900	41.98	-15.21	26.77	54.00	-27.23	AVG	-	-	P
9	2493.250	53.69	-15.19	38.50	74.00	-35.50	peak	-	-	P
10	2493.250	42.31	-15.19	27.12	54.00	-26.88	AVG	-	-	P
11	2500.000	52.62	-15.18	37.44	74.00	-36.56	peak	-	-	P
12	2500.000	43.94	-15.18	28.76	54.00	-25.24	AVG	-	-	P



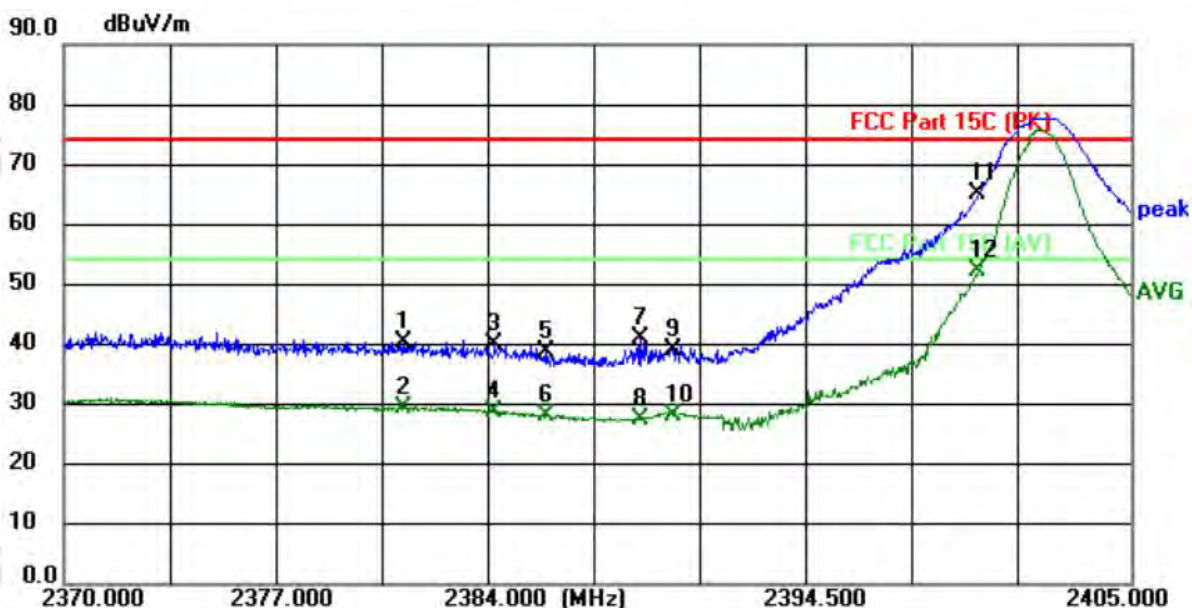
Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Test mode:	$\pi/4$ DQPSK--2480MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2483.500	51.85	-15.24	36.61	74.00	-37.39	peak	-	-	P
2 *	2483.500	43.01	-15.24	27.77	54.00	-26.23	AVG	-	-	P
3	2486.500	52.14	-15.23	36.91	74.00	-37.09	peak	-	-	P
4	2486.500	41.25	-15.23	26.02	54.00	-27.98	AVG	-	-	P
5	2487.600	51.72	-15.23	36.49	74.00	-37.51	peak	-	-	P
6	2487.600	41.05	-15.23	25.82	54.00	-28.18	AVG	-	-	P
7	2490.475	51.92	-15.21	36.71	74.00	-37.29	peak	-	-	P
8	2490.475	40.44	-15.21	25.23	54.00	-28.77	AVG	-	-	P
9	2492.550	52.30	-15.21	37.09	74.00	-36.91	peak	-	-	P
10	2492.550	40.67	-15.21	25.46	54.00	-28.54	AVG	-	-	P
11	2500.000	50.69	-15.18	35.51	74.00	-38.49	peak	-	-	P
12	2500.000	41.62	-15.18	26.44	54.00	-27.56	AVG	-	-	P



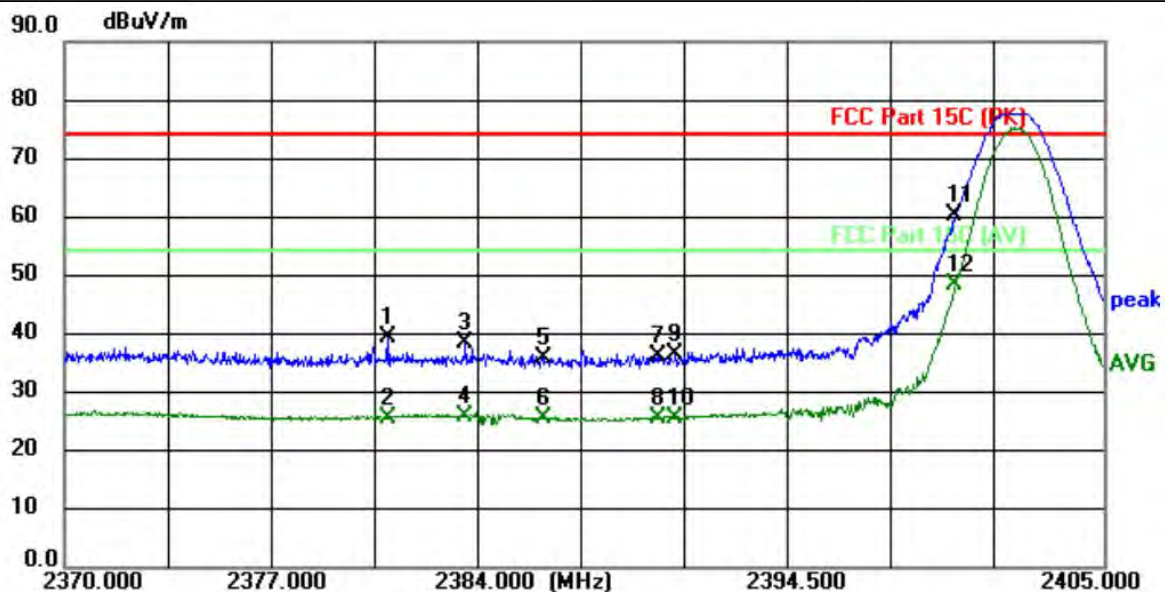
Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Test mode:	8DPSK--2402MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2381.130	55.99	-15.64	40.35	74.00	-33.65	peak	-	-	P
2	2381.130	45.12	-15.64	29.48	54.00	-24.52	AVG	-	-	P
3	2384.140	55.59	-15.62	39.97	74.00	-34.03	peak	-	-	P
4	2384.140	44.48	-15.62	28.86	54.00	-25.14	AVG	-	-	P
5	2385.820	54.45	-15.62	38.83	74.00	-35.17	peak	-	-	P
6	2385.820	43.80	-15.62	28.18	54.00	-25.82	AVG	-	-	P
7	2388.935	56.74	-15.61	41.13	74.00	-32.87	peak	-	-	P
8	2388.935	43.21	-15.61	27.60	54.00	-26.40	AVG	-	-	P
9	2390.000	54.75	-15.61	39.14	74.00	-34.86	peak	-	-	P
10	2390.000	43.85	-15.61	28.24	54.00	-25.76	AVG	-	-	P
11	2400.000	80.65	-15.57	65.08	74.00	-8.92	peak	-	-	P
12 *	2400.000	67.83	-15.57	52.26	54.00	-1.74	AVG	-	-	P



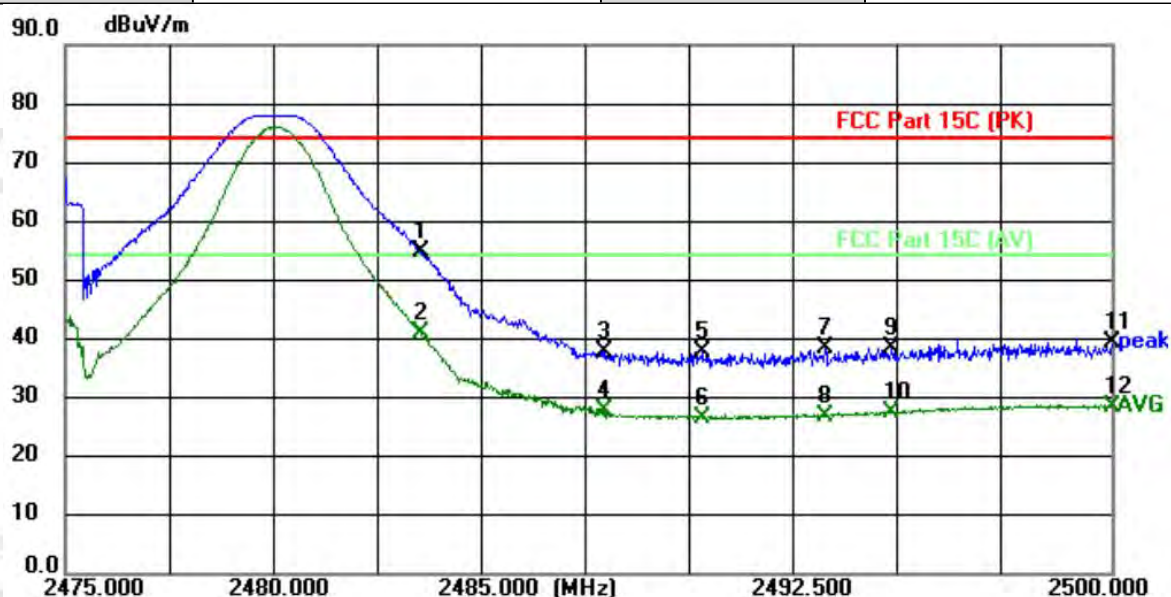
Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Test mode:	π 8DPSK-2402MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2380.885	55.00	-15.64	39.36	74.00	-34.64	peak	-	-	P
2	2380.885	41.23	-15.64	25.59	54.00	-28.41	AVG	-	-	P
3	2383.510	53.96	-15.63	38.33	74.00	-35.67	peak	-	-	P
4	2383.510	41.57	-15.63	25.94	54.00	-28.06	AVG	-	-	P
5	2386.135	51.54	-15.62	35.92	74.00	-38.08	peak	-	-	P
6	2386.135	41.04	-15.62	25.42	54.00	-28.58	AVG	-	-	P
7	2390.000	51.76	-15.61	36.15	74.00	-37.85	peak	-	-	P
8	2390.000	41.32	-15.61	25.71	54.00	-28.29	AVG	-	-	P
9	2390.580	52.07	-15.61	36.46	74.00	-37.54	peak	-	-	P
10	2390.580	41.22	-15.61	25.61	54.00	-28.39	AVG	-	-	P
11	2400.000	75.98	-15.57	60.41	74.00	-13.59	peak	-	-	P
12 *	2400.000	63.97	-15.57	48.40	54.00	-5.60	AVG	-	-	P



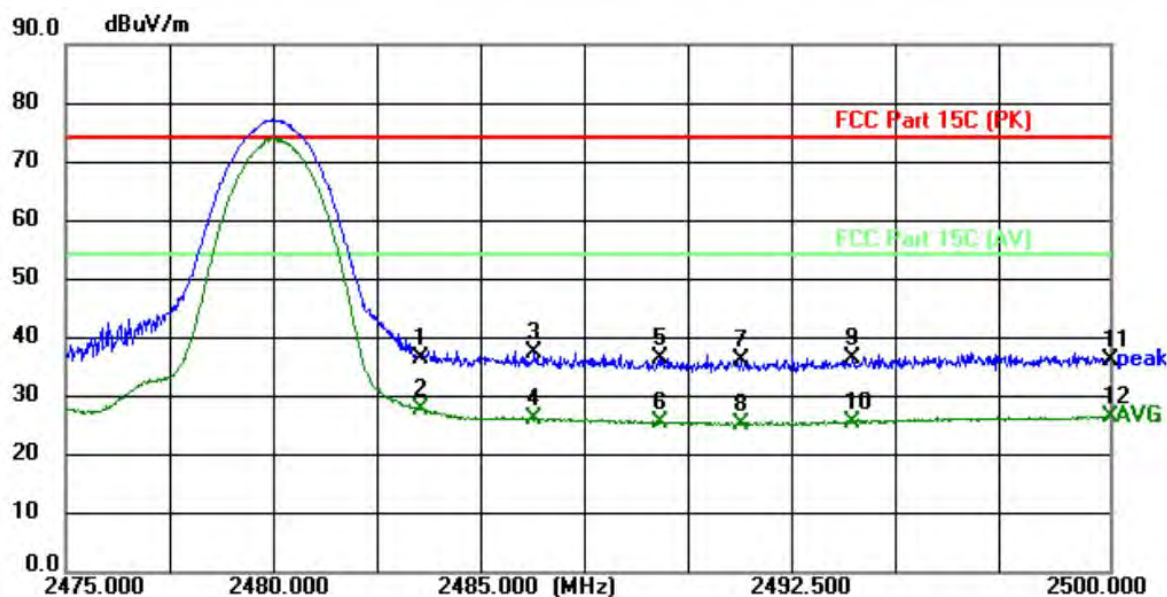
Temperature:	25.6°C	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Test mode:	8DPSK-2480MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2483.500	70.00	-15.24	54.76	74.00	-19.24	peak	-	-	P
2 *	2483.500	56.25	-15.24	41.01	54.00	-12.99	AVG	-	-	P
3	2487.875	52.97	-15.23	37.74	74.00	-36.26	peak	-	-	P
4	2487.875	43.04	-15.23	27.81	54.00	-26.19	AVG	-	-	P
5	2490.225	52.88	-15.21	37.67	74.00	-36.33	peak	-	-	P
6	2490.225	41.66	-15.21	26.45	54.00	-27.55	AVG	-	-	P
7	2493.150	53.76	-15.20	38.56	74.00	-35.44	peak	-	-	P
8	2493.150	41.97	-15.20	26.77	54.00	-27.23	AVG	-	-	P
9	2494.750	53.62	-15.19	38.43	74.00	-35.57	peak	-	-	P
10	2494.750	42.78	-15.19	27.59	54.00	-26.41	AVG	-	-	P
11	2500.000	54.48	-15.18	39.30	74.00	-34.70	peak	-	-	P
12	2500.000	43.69	-15.18	28.51	54.00	-25.49	AVG	-	-	P



Temperature:	25.6℃	Relative Humidity:	47%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Test mode:	8DPSK-2480MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	2483.500	51.79	-15.24	36.55	74.00	-37.45	peak	-	-	P
2 *	2483.500	43.01	-15.24	27.77	54.00	-26.23	AVG	-	-	P
3	2486.225	52.76	-15.23	37.53	74.00	-36.47	peak	-	-	P
4	2486.225	41.43	-15.23	26.20	54.00	-27.80	AVG	-	-	P
5	2489.225	51.78	-15.22	36.56	74.00	-37.44	peak	-	-	P
6	2489.225	40.68	-15.22	25.46	54.00	-28.54	AVG	-	-	P
7	2491.175	51.43	-15.21	36.22	74.00	-37.78	peak	-	-	P
8	2491.175	40.43	-15.21	25.22	54.00	-28.78	AVG	-	-	P
9	2493.850	51.78	-15.19	36.59	74.00	-37.41	peak	-	-	P
10	2493.850	40.81	-15.19	25.62	54.00	-28.38	AVG	-	-	P
11	2500.000	51.19	-15.18	36.01	74.00	-37.99	peak	-	-	P
12	2500.000	41.63	-15.18	26.45	54.00	-27.55	AVG	-	-	P

Remark:

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

Margin= Emission Level - Limit

3. '-'Means' the test Degree and Height are not recorded by the test software and only show the worstcase in the test report.



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 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.

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	-47.55	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-54.20	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-48.24	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-53.34	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-49.20	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-52.12	-20	Pass