

FCC Test Report

Product Name : Bluetooth module
Trade Name : MediaWave
Model No. : VT-RT6M
FCC ID : 2AXKL-MWBTRT6M

Applicant : Mediawave Intelligent Communication LTD.
Address : 5F-1,NO81,Shuili Rd,East Dist,Hsinchu City 300,Taiwan(R.O.C.)

Date of Receipt : Sep. 01, 2020
Issued Date : Oct. 29, 2020
Report No. : 2090018R-E3032110108
Report Version : V1.0



The test results relate only to the samples tested.

The test report shall not be reproduced except in full without the written approval of DEKRA Testing and Certification Co., Ltd.

Test Report Certification

Issued Date: Oct. 29, 2020

Report No. : 2090018R-E3032110108



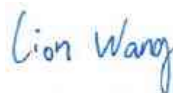
Product Name : Bluetooth module
Applicant : Mediawave Intelligent Communication LTD.
Address : 5F-1,NO81,Shuili Rd,East Dist,Hsinchu City 300,Taiwan(R.O.C.)
Manufacturer : Liansong Metal Products Factory
Address : A Building, Mapu'ao Industrial Area, Sanlian Village, Fenggang Town, Dongguan City, Guangdong Province,China.
Trade Name : MediaWave
Model No. : VT-RT6M
FCC ID : 2AXKL-MWBTRT6M
EUT Voltage : DC 3.3V
Testing Voltage : DC 3.3V
Applicable Standard : FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2019
ANSI C63.10: 2013
Laboratory Name : Hsin Chu Laboratory
Address : No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 310, Taiwan, R.O.C.
TEL: +886-3-582-8001 / FAX: +886-3-582-8958
Test Result : Complied

Documented By :



(Carol Tsai / Senior Engineering Adm. Specialist)

Tested By :



(Lion Wang / Engineer)

Approved By :



(Louis Hsu / Deputy Manager)

Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	Oct. 29, 2020

TABLE OF CONTENTS

Description	Page
1. General Information	6
1.1. EUT Description	6
1.2. Test Mode	7
1.3. Tested System Details	8
1.4. Configuration of tested System	8
1.5. EUT Exercise Software	8
1.6. Comments and Remarks	9
1.7. Test Facility	10
1.8. List of Test Equipment	12
1.9. Duty cycle	14
1.10. Uncertainty	15
2. Conducted Emission	16
2.1. Test Setup	16
2.2. Limits	16
2.3. Test Procedure	17
2.4. Test Specification	17
2.5. Test Result	17
3. Maximum peak conducted output power	18
3.1. Test Setup	18
3.2. Limits	18
3.3. Test procedures	18
3.4. Test Specification	18
3.5. Test Result	19
4. Radiated Emission	20
4.1. Test Setup	20
4.2. Limits	21
4.3. Test Procedure	22
4.4. Test Specification	22
4.5. Test Result	23
5. RF antenna conducted test	39
5.1. Test Setup	39
5.2. Limits	39
5.3. Test Procedure	39
5.4. Test Specification	39
5.5. Test Result	40
6. Radiated Emission Band Edge	48
6.1. Test Setup	48
6.2. Limits	48
6.3. Test Procedure	48
6.4. Test Specification	48
6.5. Test Result	49
7. Occupied Bandwidth & DTS Bandwidth	73

7.1.	Test Setup.....	73
7.2.	Limits	73
7.3.	Test Procedures.....	73
7.4.	Test Specification.....	73
7.5.	Test Result.....	74
8.	Power Density	78
8.1.	Test Setup.....	78
8.2.	Limits	78
8.3.	Test Procedures.....	78
8.4.	Test Specification.....	78
8.5.	Test Result.....	79
Attachment 1		83
	Test Setup Photograph.....	83
Attachment 2		86
	EUT External Photograph.....	86
Attachment 3		89
	EUT Internal Photograph.....	89

1. General Information

1.1. EUT Description

Product Name	Bluetooth module
Trade Name	MediaWave
Model No.	VT-RT6M
Frequency Range	2402~2480MHz
Channel Number	40 Channels
Type of Modulation	GFSK

Antenna Information	
MFR.	MediaWave
Model No.	VT-RT6M-ANT
Antenna Type	PCB Antenna
Antenna Gain	-2.25 dBi

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 00	2402 MHz	Channel 10	2422 MHz	Channel 20	2442 MHz	Channel 30	2462 MHz
Channel 01	2404 MHz	Channel 11	2424 MHz	Channel 21	2444 MHz	Channel 31	2464 MHz
Channel 02	2406 MHz	Channel 12	2426 MHz	Channel 22	2446 MHz	Channel 32	2466 MHz
Channel 03	2408 MHz	Channel 13	2428 MHz	Channel 23	2448 MHz	Channel 33	2468 MHz
Channel 04	2410 MHz	Channel 14	2430 MHz	Channel 24	2450 MHz	Channel 34	2470 MHz
Channel 05	2412 MHz	Channel 15	2432 MHz	Channel 25	2452 MHz	Channel 35	2472 MHz
Channel 06	2414 MHz	Channel 16	2434 MHz	Channel 26	2454 MHz	Channel 36	2474 MHz
Channel 07	2416MHz	Channel 17	2436 MHz	Channel 27	2456 MHz	Channel 37	2476 MHz
Channel 08	2418 MHz	Channel 18	2438 MHz	Channel 28	2458 MHz	Channel 38	2478 MHz
Channel 09	2420 MHz	Channel 19	2440 MHz	Channel 29	2460 MHz	Channel 39	2480 MHz

Note:

1. This device is a Bluetooth module including BT 5.0 transmitting function.
2. Regards to the frequency band operation; the lowest 、 middle and highest frequency of channel were selected to perform the test, and then shown on this report.
3. The EUT description is from the customer declaration.

1.2. Test Mode

DEKRA has verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Test Mode	Mode 1: Transmit
-----------	------------------

Test Items	Modulation	Channel	Result
Conducted Emission	GFSK	19	--
Maximum peak conducted	GFSK	00/19/39	Complies
Radiated Emission	GFSK	00/19/39	Complies
RF antenna conducted test	GFSK	00/19/39	Complies
Radiated Emission Band Edge	GFSK	00/19/39	Complies
Occupied Bandwidth & DTS Bandwidth	GFSK	00/19/39	Complies
Power Density	GFSK	00/19/39	Complies

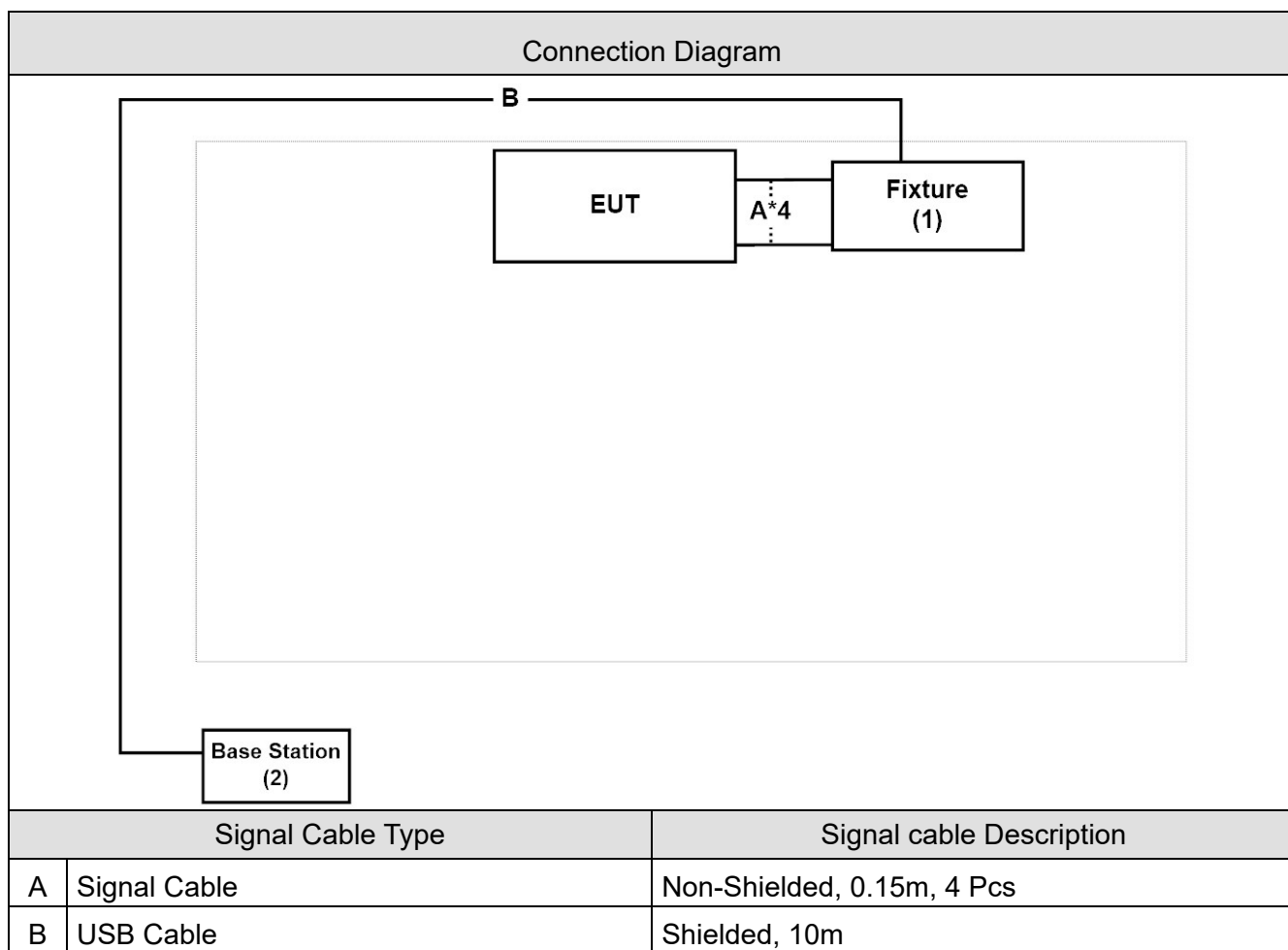
Note: Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

1.3. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product	Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1 Fixture	FTDI	FT232	N/A	DoC	--
2 Base Station	R&S	CMW500	150246	DoC	Non-Shielded, 1.8m

1.4. Configuration of tested System



1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.4.
2	Supply power to the EUT.
3	Set the relevant parameters of CMW500 and connect to EUT
4	Confirm that the signal has been tested correctly

1.6. Comments and Remarks

The product specification and testing instructions for the EUT declared in the report are provided by the manufacturer who will take all responsibilities for the accuracy.

1.7. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required	Test Site
Temperature (°C)	FCC PART 15 C 15.207 Conducted Emission	15 - 35	--
Humidity (%RH)		25 - 75	
Temperature (°C)	FCC PART 15 C 15.247 Maximum peak conducted output power	15 - 35	1
Humidity (%RH)		25 - 75	
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission	15 - 35	1
Humidity (%RH)		25 - 75	
Temperature (°C)	FCC PART 15 C 15.247 RF antenna conducted test	15 - 35	1
Humidity (%RH)		25 - 75	
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission Band Edge	15 - 35	1
Humidity (%RH)		25 - 75	
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth & DTS Bandwidth	15 - 35	1
Humidity (%RH)		25 - 75	
Temperature (°C)	FCC PART 15 C 15.247 Power Density	15 - 35	1
Humidity (%RH)		25 - 75	

Note: Test site information refers to Laboratory Information.

Laboratory Information

USA : FCC Registration Number: TW3024
Canada : IC Registration Number: 22397-1 / 22397-2 / 22397-3

The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site: <http://www.dekra.com.tw>

If you have any comments, please don't hesitate to contact us. Our test sites as below:

Test Laboratory	DEKRA Testing and Certification Co., Ltd.
Address	1. No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. 2. No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C.
Phone number	1. +886-3-582-8001 2. +886-3-582-8001
Fax number	1. +886-3-582-8958 2. +886-3-582-8958
Email address	info.tw@dekra.com
Website	http://www.dekra.com.tw

1.8. List of Test Equipment

Maximum peak conducted output power / SR12-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
High Speed Peak Power Meter Dual Input	Anritsu	ML2496A	1602004	2019/12/02	2020/12/01
Pulse Power Sensor	Anritsu	MA2411B	1531043	2019/12/02	2020/12/01
Pulse Power Sensor	Anritsu	MA2411B	1531044	2019/12/02	2020/12/01
Power Meter	Keysight	8990B	MY51000248	2020/05/20	2021/05/19
Power Sensor	Keysight	N1923A	MY57240005	2020/05/20	2021/05/19

Radiated Emission / CB2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2019/10/21	2020/10/20
Signal & Spectrum Analyzer	R&S	FSV40	101049	2020/03/30	2021/03/29
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2020/02/21	2021/02/20
Bilog Antenna	Teseq	CBL6112D	23191	2020/06/12	2021/06/11
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2020/06/04	2021/06/03
Horn Antenna	Schwarzbeck	BBHA 9170	202	2019/12/27	2020/12/26
Pre-Amplifier	DEKRA	AP-025C	12183122	2020/09/03	2021/09/02
Pre-Amplifier	EMCI	EMC11830I	980366	2019/12/03	2020/12/02
Pre-Amplifier	DEKRA	AP-400C	201801231	2019/12/03	2020/12/02
Horn Antenna	Schwarzbeck	BBHA 9120D	01656	2019/10/25	2020/10/24
Band Reject Filter	Micro-Tronics	BRM50702	G192	2020/03/09	2021/03/08
Signal Analyzer	R&S	FSV40	101435	2020/06/24	2021/06/23
Coaxial Cable(13m)	Huber+Suhner	SF104	CB2-H	2020/07/25	2021/07/24
EMI system	DEKRA	Version 1.0	CB2-H	NA	NA

RF antenna conducted test / SR12-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2020/06/03	2021/06/02
Spectrum Analyzer	Keysight	N9010B	MY57110159	2020/04/15	2021/04/14
Spectrum Analyzer	Agilent	N9010A	US47140172	2020/06/18	2021/06/17
Signal & Spectrum Analyzer	R&S	FSV40	101049	2020/03/30	2021/03/29

Radiated Emission Band Edge / CB2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2019/10/21	2020/10/20
Signal & Spectrum Analyzer	R&S	FSV40	101049	2020/03/30	2021/03/29
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2020/02/21	2021/02/20
Bilog Antenna	Teseq	CBL6112D	23191	2020/06/12	2021/06/11
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2020/06/04	2021/06/03
Horn Antenna	Schwarzbeck	BBHA 9170	202	2019/12/27	2020/12/26
Pre-Amplifier	DEKRA	AP-025C	12183122	2020/09/03	2021/09/02
Pre-Amplifier	EMCI	EMC11830I	980366	2019/12/03	2020/12/02
Pre-Amplifier	DEKRA	AP-400C	201801231	2019/12/03	2020/12/02
Horn Antenna	Schwarzbeck	BBHA 9120D	01656	2019/10/25	2020/10/24
Band Reject Filter	Micro-Tronics	BRM50702	G192	2020/03/09	2021/03/08
Signal Analyzer	R&S	FSV40	101435	2020/06/24	2021/06/23
Coaxial Cable(13m)	Huber+Suhner	SF104	CB2-H	2020/07/25	2021/07/24
EMI system	DEKRA	Version 1.0	CB2-H	NA	NA

Occupied Bandwidth & DTS Bandwidth / SR12-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2020/06/03	2021/06/02
Spectrum Analyzer	Keysight	N9010B	MY57110159	2020/04/15	2021/04/14
Spectrum Analyzer	Agilent	N9010A	US47140172	2020/06/18	2021/06/17
Signal & Spectrum Analyzer	R&S	FSV40	101049	2020/03/30	2021/03/29

Power Density / SR12-H

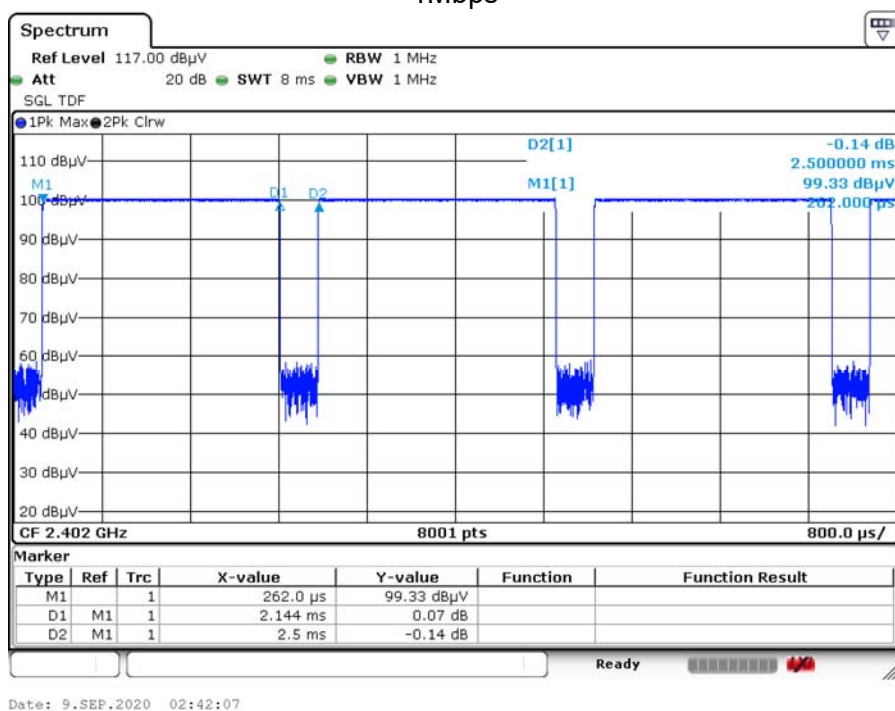
Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2020/06/03	2021/06/02
Spectrum Analyzer	Keysight	N9010B	MY57110159	2020/04/15	2021/04/14
Spectrum Analyzer	Agilent	N9010A	US47140172	2020/06/18	2021/06/17
Signal & Spectrum Analyzer	R&S	FSV40	101049	2020/03/30	2021/03/29

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

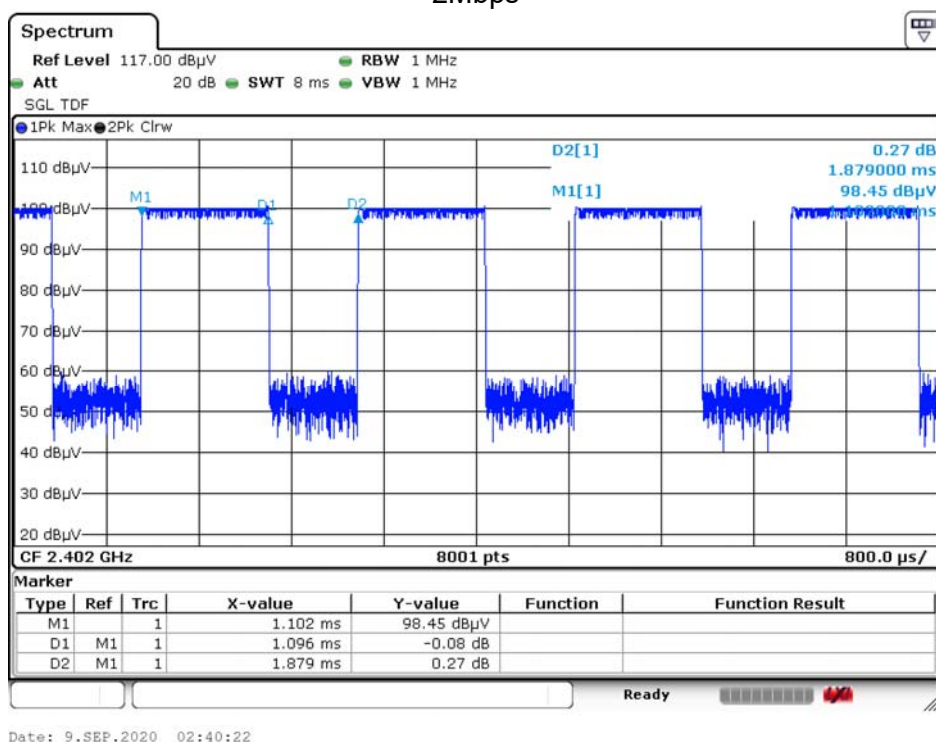
1.9. Duty cycle

Mode	On Time(ms)	On+Off Time(ms)	Duty Cycle(%)	Duty Factor(dB) linear voltage	Duty Factor(dB) Power	1/T Minimum VBW (kHz)
1Mbps	2.144	2.500	85.76%	1.334305	0.67	0.466
2Mbps	1.096	1.879	58.33%	4.682325	2.34	0.912

1Mbps



2Mbps

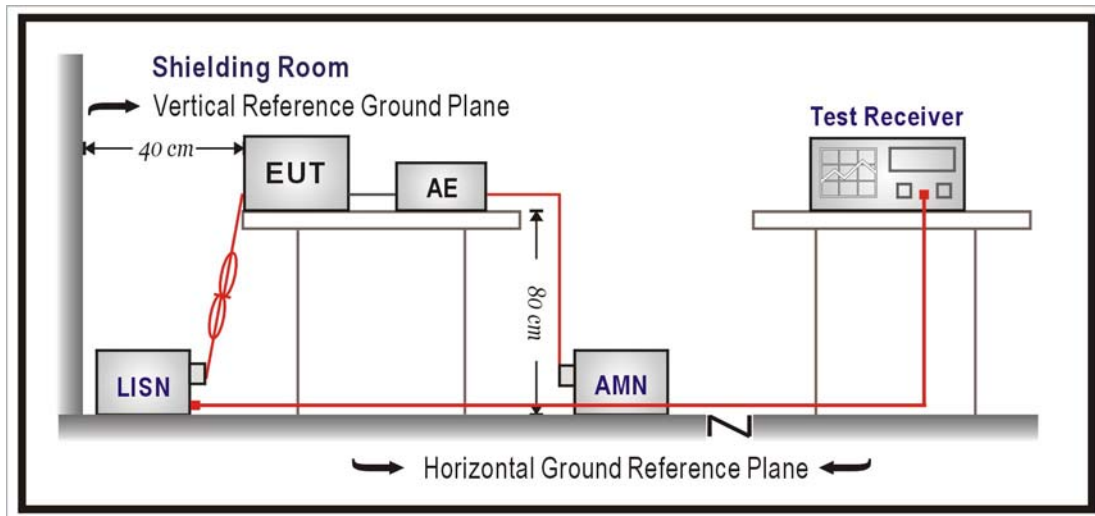


1.10. Uncertainty

Test item	Uncertainty
Maximum peak conducted output power	± 1.27 dB
Radiated Emission	30MHz~1GHz as ± 3.43 dB 1GHz~26.5GHz as ± 3.65 dB
RF antenna conducted test	± 1.27 dB
Radiated Emission Band Edge	± 3.65 dB
Occupied Bandwidth & DTS Bandwidth	± 50 Hz
Power Density	± 1.27 dB

2. Conducted Emission

2.1. Test Setup



2.2. Limits

FCC Part 15 Subpart C Paragraph 15.207 Limits (dBuV)		
Frequency MHz	QP	AV
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Remarks: In the above table, the tighter limit applies at the band edges.

2.3. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement.

Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9KHz.

2.4. Test Specification

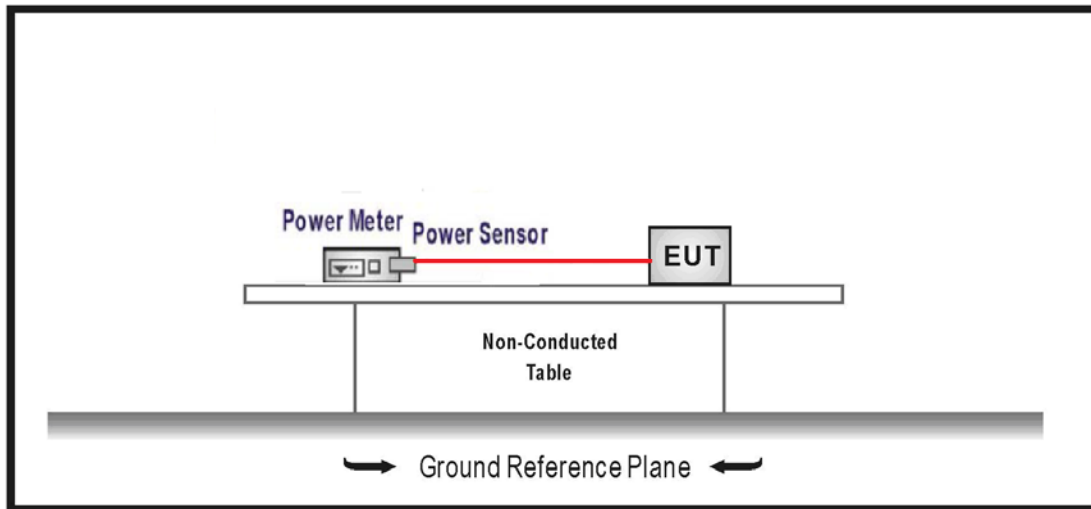
According to FCC Part 15 Subpart C Paragraph 15.207: 2019

2.5. Test Result

Owing to the DC operation of EUT, this test item is not performed.

3. Maximum peak conducted output power

3.1. Test Setup



3.2. Limits

The maximum peak conducted output power shall be less 1 Watt.

3.3. Test procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074 D01V05r02 for compliance to FCC 47CFR 15.247 requirements.

3.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2019

3.5. Test Result

Product	Bluetooth module		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit		
Date of Test	2020/09/14	Test Site	SR12-H
Temperature(°C)	22	Humidity (%RH)	67

GFSK_1Mbps

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
00	2402	3.780	≤ 30
19	2440	3.760	≤ 30
39	2480	3.740	≤ 30

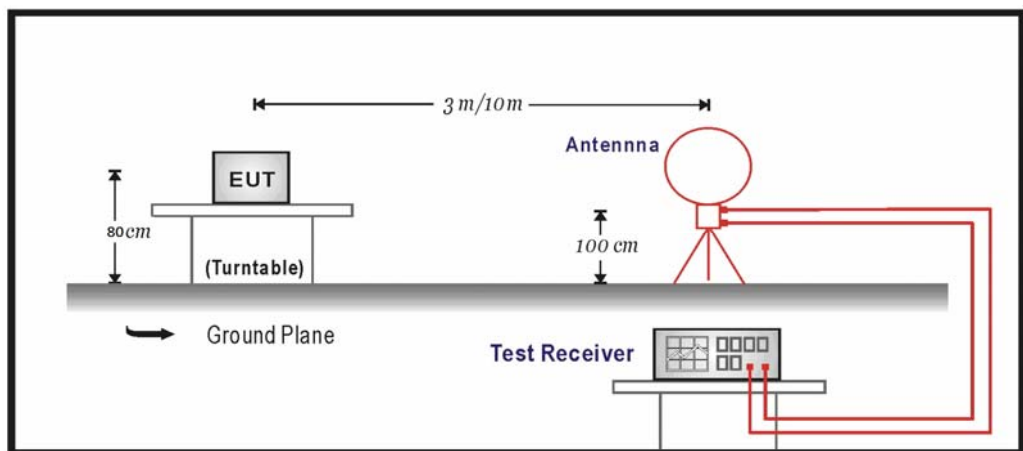
GFSK_2Mbps

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
00	2402	3.780	≤ 30
19	2440	3.760	≤ 30
39	2480	3.740	≤ 30

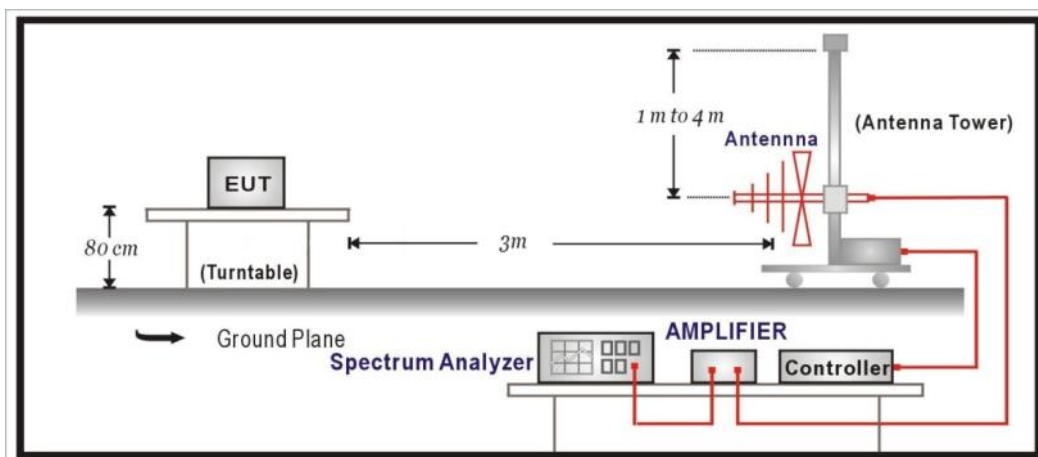
4. Radiated Emission

4.1. Test Setup

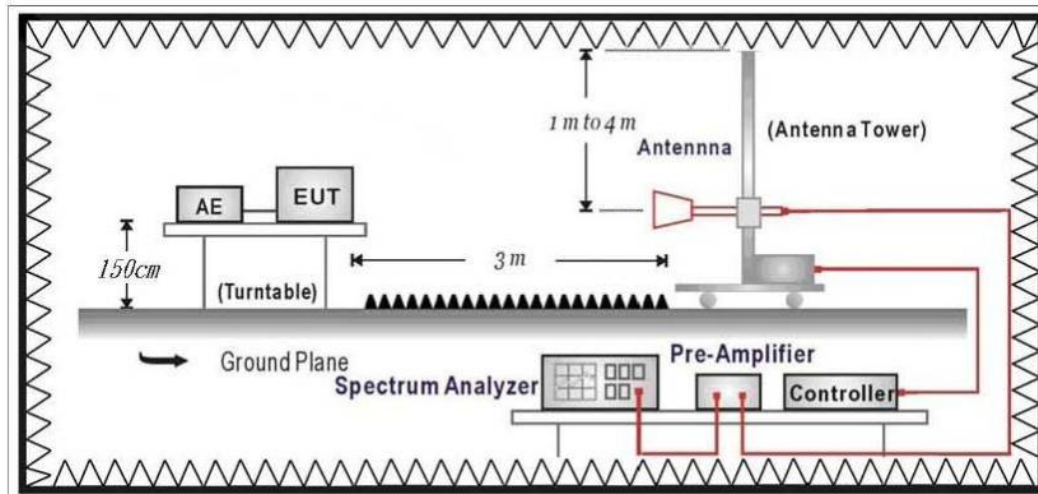
Under 30MHz Test Setup:



Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.2. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency (MHz)	uV/m	dBuV/m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remarks: 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)

2. In the Above Table, the tighter limit applies at the Radiated Emission Band Edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

4.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB 558074 D01V05r02 for compliance to FCC 47CFR 15.247 requirements. The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

On any frequency or frequencies from 9KHz (include The the lowest oscillator frequency generated within the device up to the 10th harmonic) to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit. The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

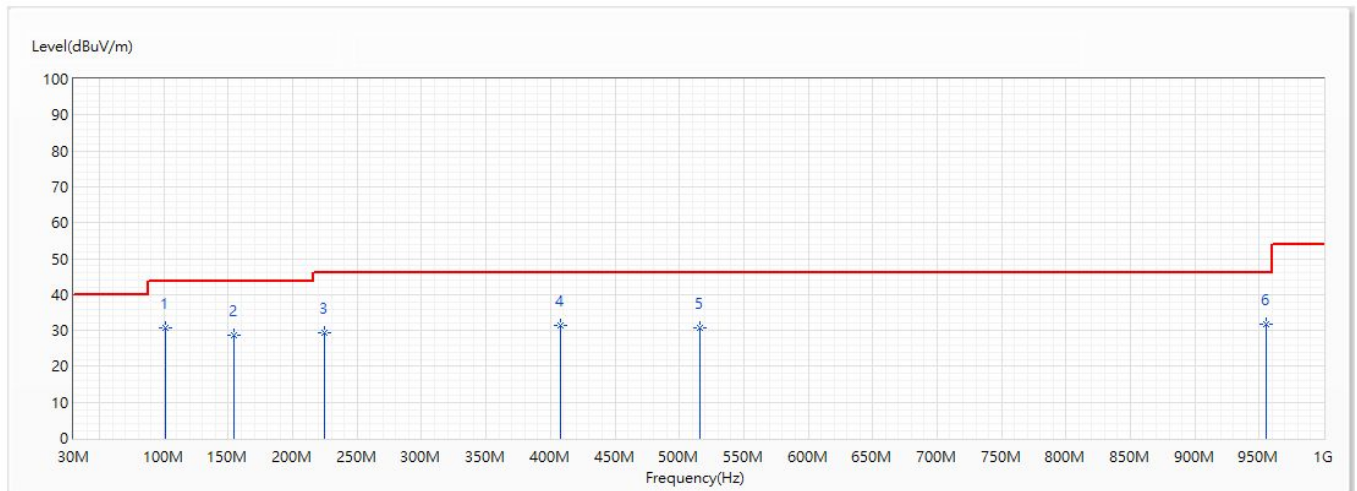
4.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2019

4.5. Test Result

30MHz-1GHz Spurious

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/10
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Horizontal	Temperature (°C)	22.0
Test Condition	1Mbps_Ch39_2.48G	Humidity (%RH)	55.0

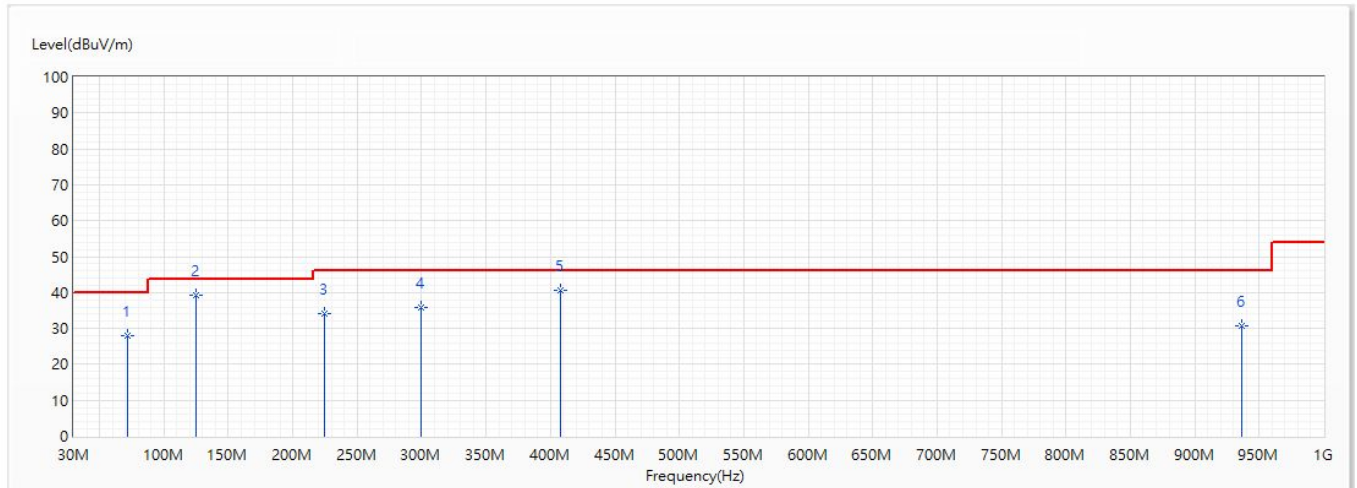


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
* 1	101.416	30.73	43.52	-12.79	35.00	-4.27	QP
2	154.039	28.63	43.52	-14.89	32.40	-3.77	QP
3	224.97	29.47	46.02	-16.55	32.91	-3.44	QP
4	408.058	31.52	46.02	-14.50	29.34	2.18	QP
5	515.606	30.61	46.02	-15.41	26.63	3.98	QP
6	955.744	31.87	46.02	-14.15	22.37	9.50	QP

Note:

1. All reading levels is Quasi-Peak value.
2. " * ", means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor
4. The emission under 30MHz were not included is because their levels are lower than 20dB from limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/10
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Vertical	Temperature (°C)	22.0
Test Condition	1Mbps_Ch39_2.48G	Humidity (%RH)	55.0

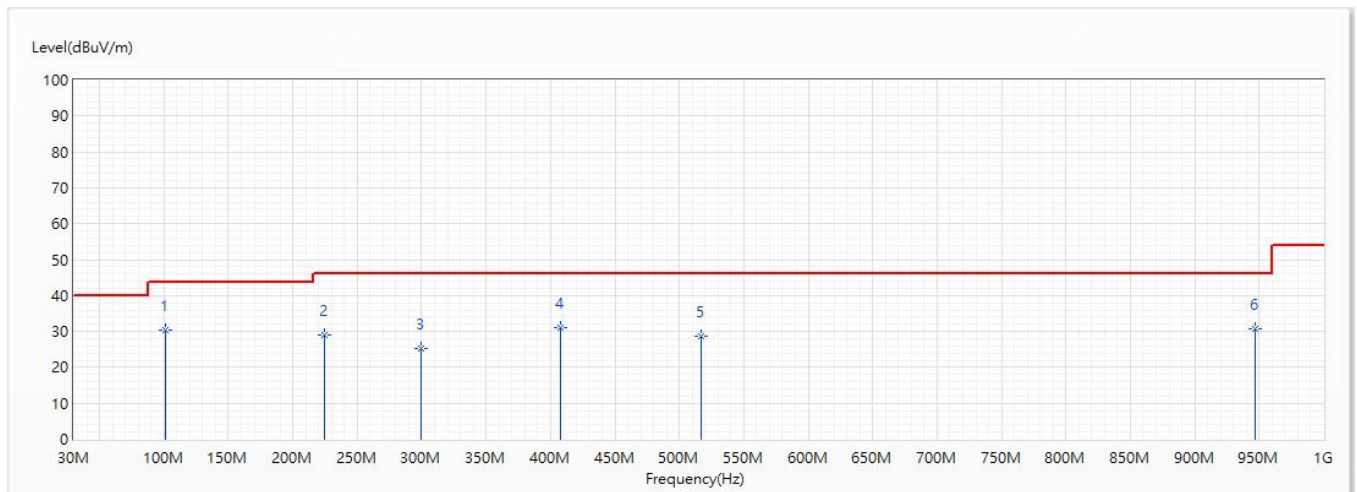


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	72.074	28.13	40.00	-11.87	36.63	-8.50	QP
* 2	124.939	39.11	43.52	-4.41	41.62	-2.51	QP
3	224.97	34.08	46.02	-11.94	37.52	-3.44	QP
4	300.024	35.77	46.02	-10.25	36.97	-1.20	QP
5	408.058	40.70	46.02	-5.32	38.52	2.18	QP
6	936.465	30.83	46.02	-15.19	21.65	9.18	QP

Note:

1. All reading levels is Quasi-Peak value.
2. " * ", means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor
4. The emission under 30MHz were not included is because their levels are lower than 20dB from limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/10
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Horizontal	Temperature (°C)	22.0
Test Condition	2Mbps_Ch39_2.48G	Humidity (%RH)	55.0

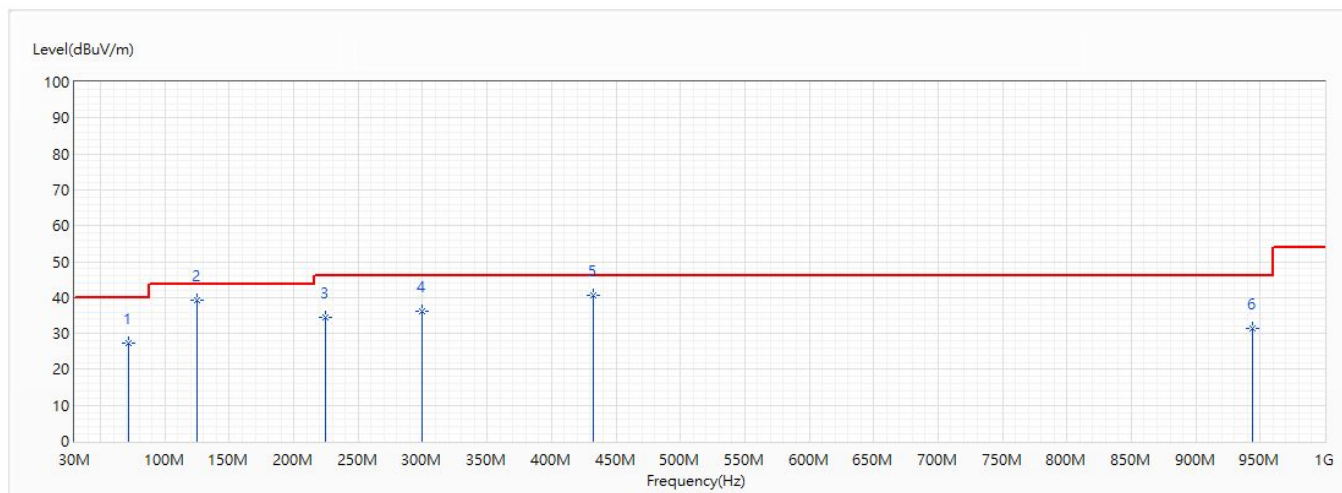


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
* 1	101.416	30.21	43.52	-13.31	34.48	-4.27	QP
2	224.97	28.98	46.02	-17.04	32.42	-3.44	QP
3	300.024	25.40	46.02	-20.62	26.60	-1.20	QP
4	408.058	31.14	46.02	-14.88	28.96	2.18	QP
5	516.455	28.74	46.02	-17.28	24.74	4.00	QP
6	946.893	30.77	46.02	-15.25	21.42	9.35	QP

Note:

1. All reading levels is Quasi-Peak value.
2. " * ", means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor
4. The emission under 30MHz were not included is because their levels are lower than 20dB from limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/10
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Vertical	Temperature (°C)	22.0
Test Condition	2Mbps_Ch39_2.48G	Humidity (%RH)	55.0



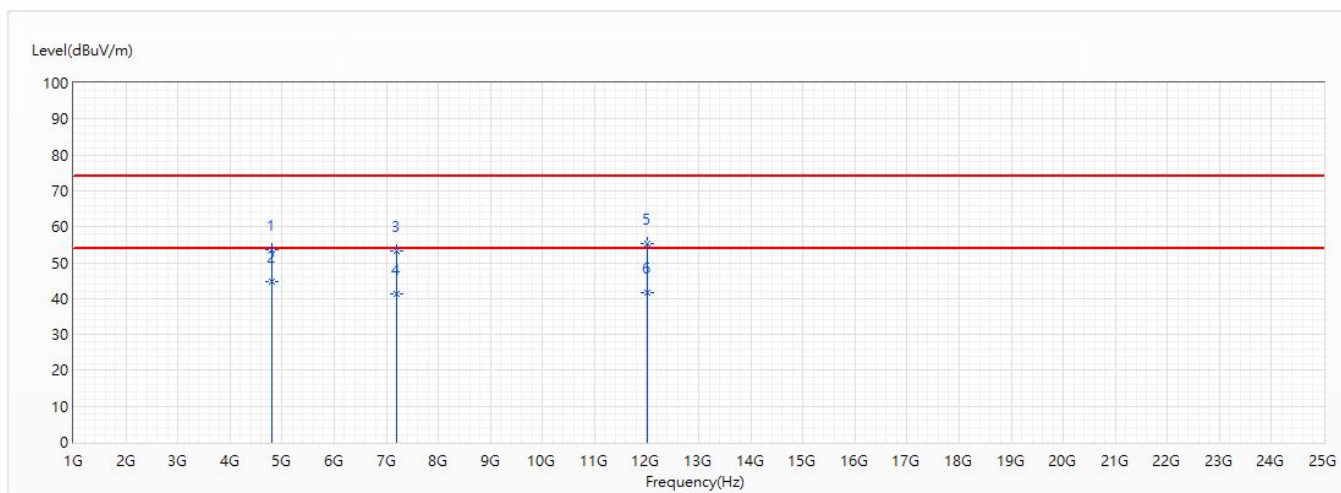
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	71.953	27.35	40.00	-12.65	35.86	-8.51	QP
* 2	124.939	39.08	43.52	-4.44	41.59	-2.51	QP
3	224.97	34.39	46.02	-11.63	37.83	-3.44	QP
4	300.024	36.20	46.02	-9.82	37.40	-1.20	QP
5	432.065	40.68	46.02	-5.34	38.07	2.61	QP
6	943.983	31.24	46.02	-14.78	21.93	9.31	QP

Note:

1. All reading levels is Quasi-Peak value.
2. " * ", means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor
4. The emission under 30MHz were not included is because their levels are lower than 20dB from limit.

Harmonic & Spurious:

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/10
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Horizontal	Temperature (°C)	23.0
Test Condition	1Mbps_Ch00_2.402G	Humidity (%RH)	55.0

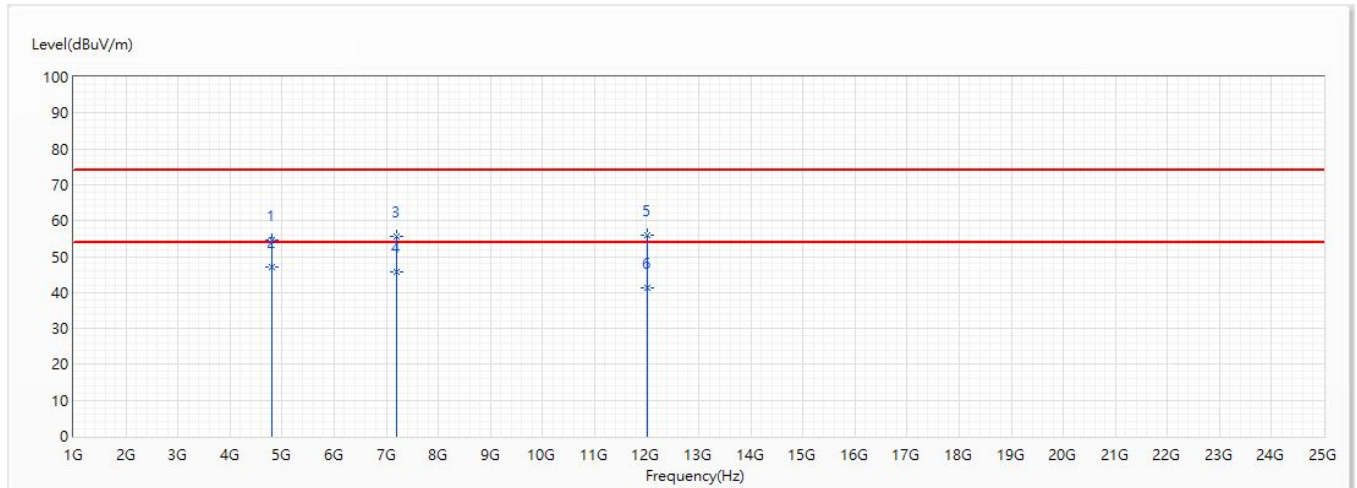


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	4804	53.49	74.00	-20.51	65.52	-12.03	PK
* 2	4804	44.57	54.00	-9.43	56.60	-12.03	AV
3	7206	53.20	74.00	-20.80	57.88	-4.68	PK
4	7206	41.39	54.00	-12.61	46.07	-4.68	AV
5	12010	55.13	74.00	-18.87	52.32	2.81	PK
6	12010	41.65	54.00	-12.35	38.84	2.81	AV

Note:

- 1.All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
- 3.Emission Level = Reading Level + Correct Factor.
- 4.The average measurement was not performed when the peak measured data under the limit of average detection.
- 5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/10
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Vertical	Temperature (°C)	22.0
Test Condition	1Mbps_Ch00_2.402G	Humidity (%RH)	55.0

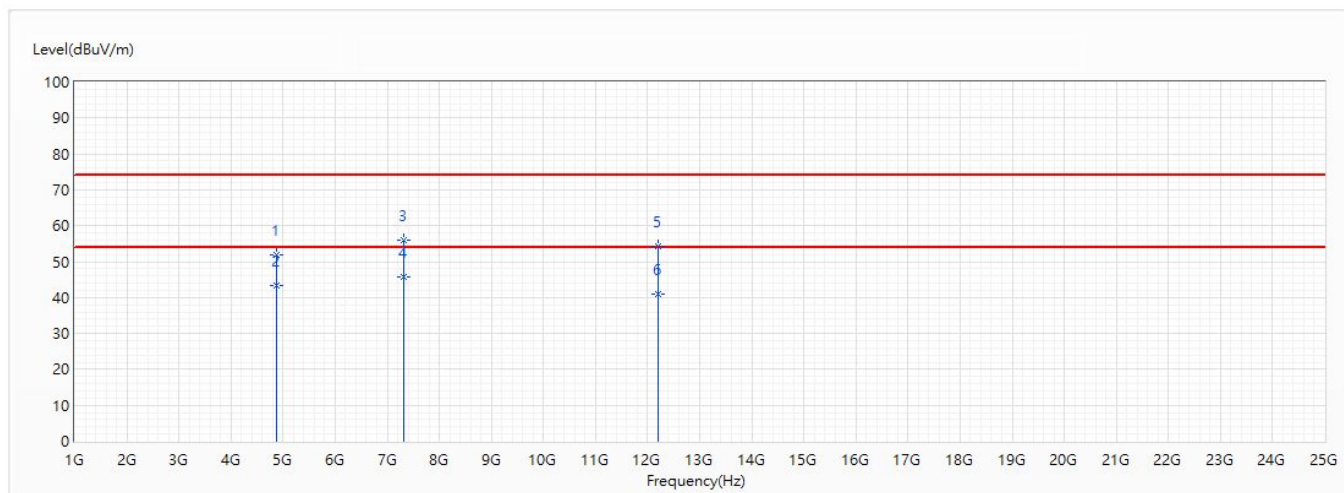


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	4804	54.65	74.00	-19.35	66.68	-12.03	PK
* 2	4804	47.08	54.00	-6.92	59.11	-12.03	AV
3	7206	55.56	74.00	-18.44	60.24	-4.68	PK
4	7206	45.68	54.00	-8.32	50.36	-4.68	AV
5	12010	55.81	74.00	-18.19	53.00	2.81	PK
6	12010	41.38	54.00	-12.62	38.57	2.81	AV

Note:

- 1.All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst value.
- 3.Emission Level = Reading Level + Correct Factor.
- 4.The average measurement was not performed when the peak measured data under the limit of average detection.
- 5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/10
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Horizontal	Temperature (°C)	23.0
Test Condition	1Mbps_Ch19_2.44G	Humidity (%RH)	55.0

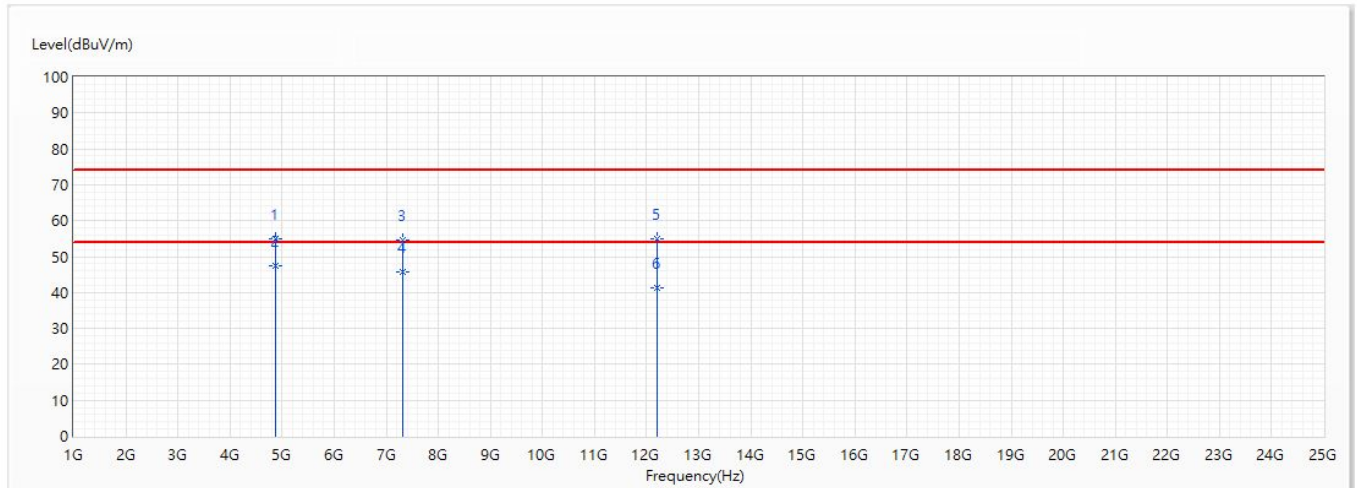


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	4880	51.84	74.00	-22.16	63.67	-11.83	PK
2	4880	43.40	54.00	-10.60	55.23	-11.83	AV
3	7320	55.96	74.00	-18.04	60.31	-4.35	PK
* 4	7320	45.82	54.00	-8.18	50.17	-4.35	AV
5	12200	54.16	74.00	-19.84	51.58	2.58	PK
6	12200	41.10	54.00	-12.90	38.52	2.58	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/10
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Vertical	Temperature (°C)	23.0
Test Condition	1Mbps_Ch19_2.44G	Humidity (%RH)	55.0

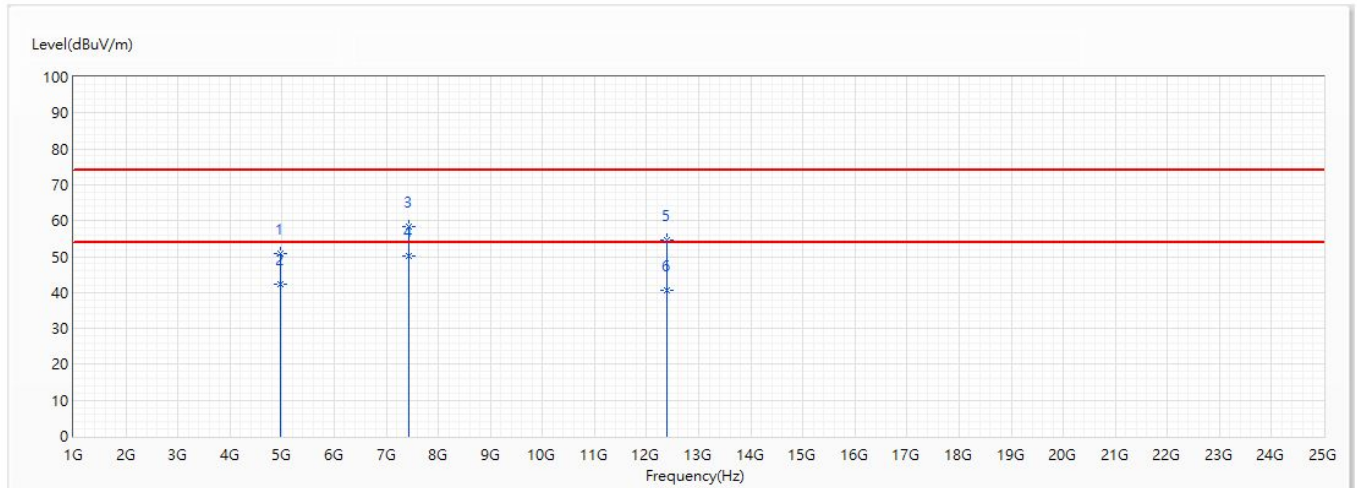


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	4880	54.90	74.00	-19.10	66.73	-11.83	PK
* 2	4880	47.43	54.00	-6.57	59.26	-11.83	AV
3	7320	54.69	74.00	-19.31	59.04	-4.35	PK
4	7320	45.89	54.00	-8.11	50.24	-4.35	AV
5	12200	54.89	74.00	-19.11	52.31	2.58	PK
6	12200	41.26	54.00	-12.74	38.68	2.58	AV

Note:

- 1.All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst value.
- 3.Emission Level = Reading Level + Correct Factor.
- 4.The average measurement was not performed when the peak measured data under the limit of average detection.
- 5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/10
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Horizontal	Temperature (°C)	23.0
Test Condition	1Mbps_Ch39_2.48G	Humidity (%RH)	55.0

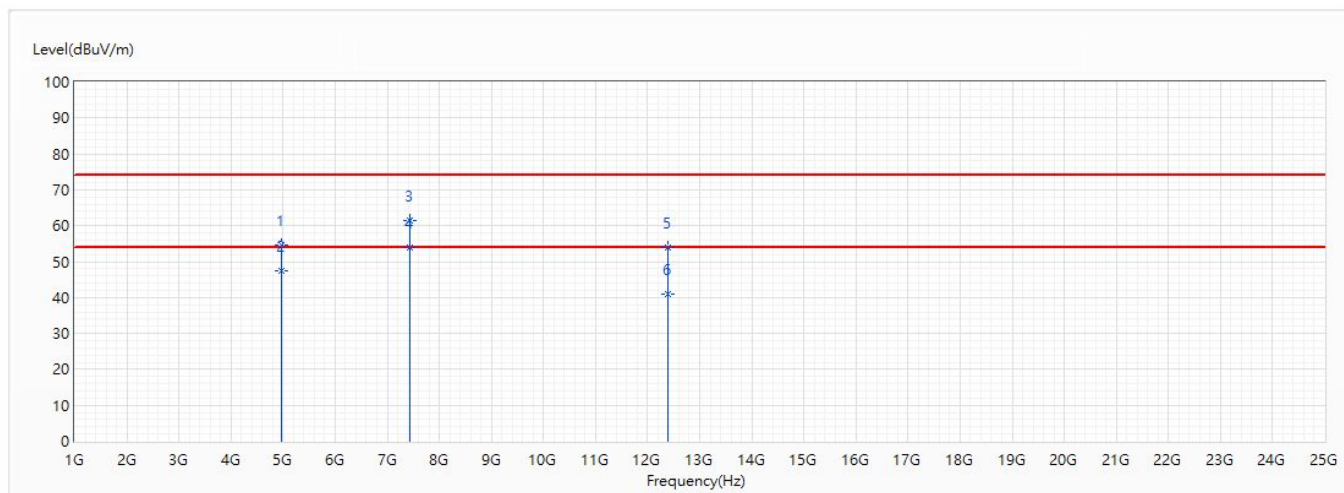


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	4960	50.76	74.00	-23.24	62.36	-11.60	PK
2	4960	42.22	54.00	-11.78	53.82	-11.60	AV
3	7440	58.30	74.00	-15.70	62.31	-4.01	PK
* 4	7440	50.08	54.00	-3.92	54.09	-4.01	AV
5	12400	54.62	74.00	-19.38	52.28	2.34	PK
6	12400	40.62	54.00	-13.38	38.28	2.34	AV

Note:

- 1.All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
- 3.Emission Level = Reading Level + Correct Factor.
- 4.The average measurement was not performed when the peak measured data under the limit of average detection.
- 5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/10
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Vertical	Temperature (°C)	23.0
Test Condition	1Mbps_Ch39_2.48G	Humidity (%RH)	55.0

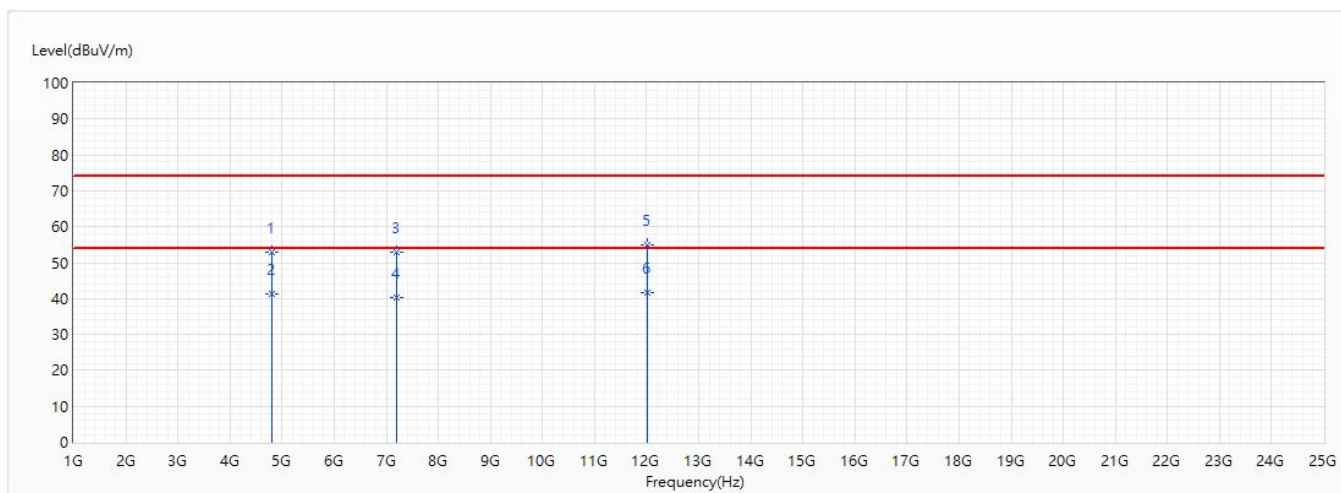


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	4960	54.71	74.00	-19.29	66.31	-11.60	PK
2	4960	47.30	54.00	-6.70	58.90	-11.60	AV
3	7440	61.27	74.00	-12.73	65.28	-4.01	PK
* 4	7440	53.88	54.00	-0.12	57.89	-4.01	AV
5	12400	54.07	74.00	-19.93	51.73	2.34	PK
6	12400	40.86	54.00	-13.14	38.52	2.34	AV

Note:

- 1.All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst value.
- 3.Emission Level = Reading Level + Correct Factor.
- 4.The average measurement was not performed when the peak measured data under the limit of average detection.
- 5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/10
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Horizontal	Temperature (°C)	23.0
Test Condition	2Mbps_Ch00_2.402G	Humidity (%RH)	55.0

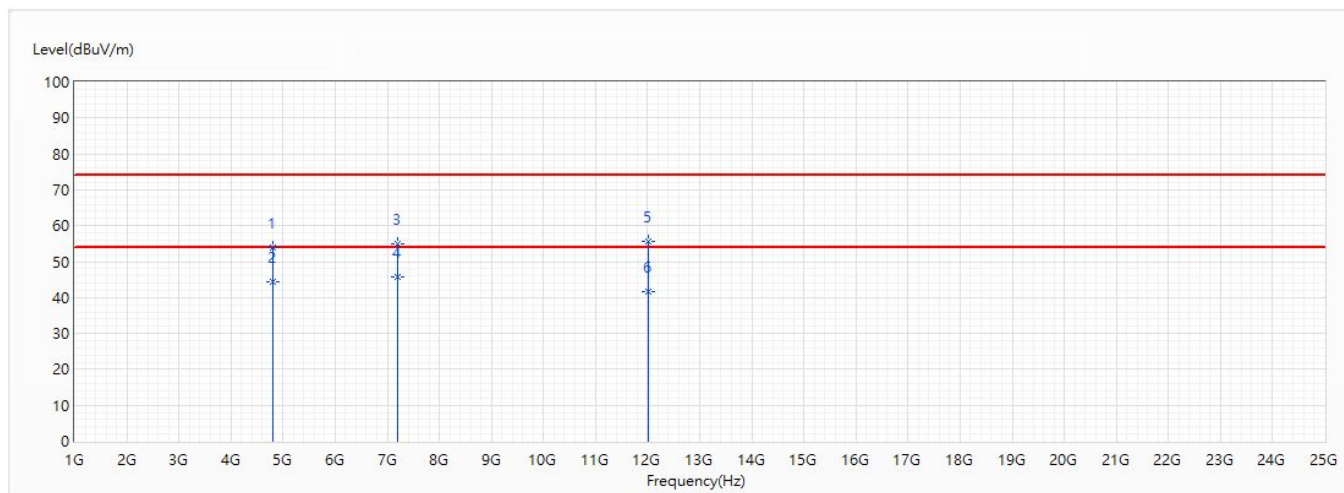


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	4804	53.07	74.00	-20.93	65.10	-12.03	PK
2	4804	41.35	54.00	-12.65	53.38	-12.03	AV
3	7206	52.78	74.00	-21.22	57.46	-4.68	PK
4	7206	40.42	54.00	-13.58	45.10	-4.68	AV
5	12010	55.02	74.00	-18.98	52.21	2.81	PK
* 6	12010	41.51	54.00	-12.49	38.70	2.81	AV

Note:

- 1.All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
- 3.Emission Level = Reading Level + Correct Factor.
- 4.The average measurement was not performed when the peak measured data under the limit of average detection.
- 5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/10
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Vertical	Temperature (°C)	22.0
Test Condition	2Mbps_Ch00_2.402G	Humidity (%RH)	55.0

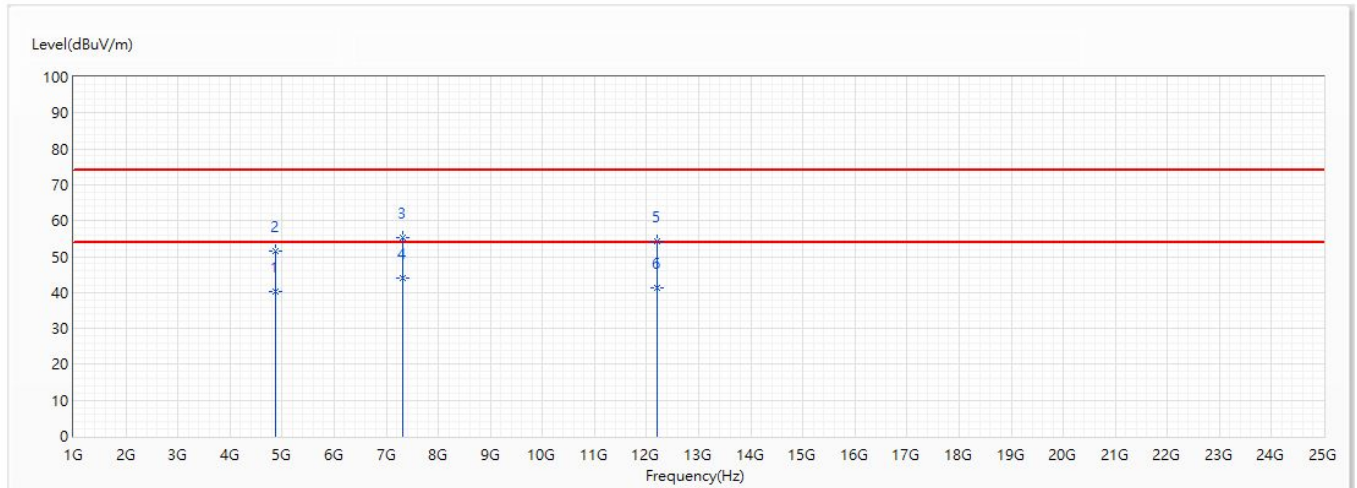


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	4804	54.08	74.00	-19.92	66.11	-12.03	PK
2	4804	44.32	54.00	-9.68	56.35	-12.03	AV
3	7206	54.94	74.00	-19.06	59.62	-4.68	PK
* 4	7206	45.75	54.00	-8.25	50.43	-4.68	AV
5	12010	55.47	74.00	-18.53	52.66	2.81	PK
6	12010	41.53	54.00	-12.47	38.72	2.81	AV

Note:

- 1.All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst value.
- 3.Emission Level = Reading Level + Correct Factor.
- 4.The average measurement was not performed when the peak measured data under the limit of average detection.
- 5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/10
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Horizontal	Temperature (°C)	23.0
Test Condition	2Mbps_Ch19_2.44G	Humidity (%RH)	55.0

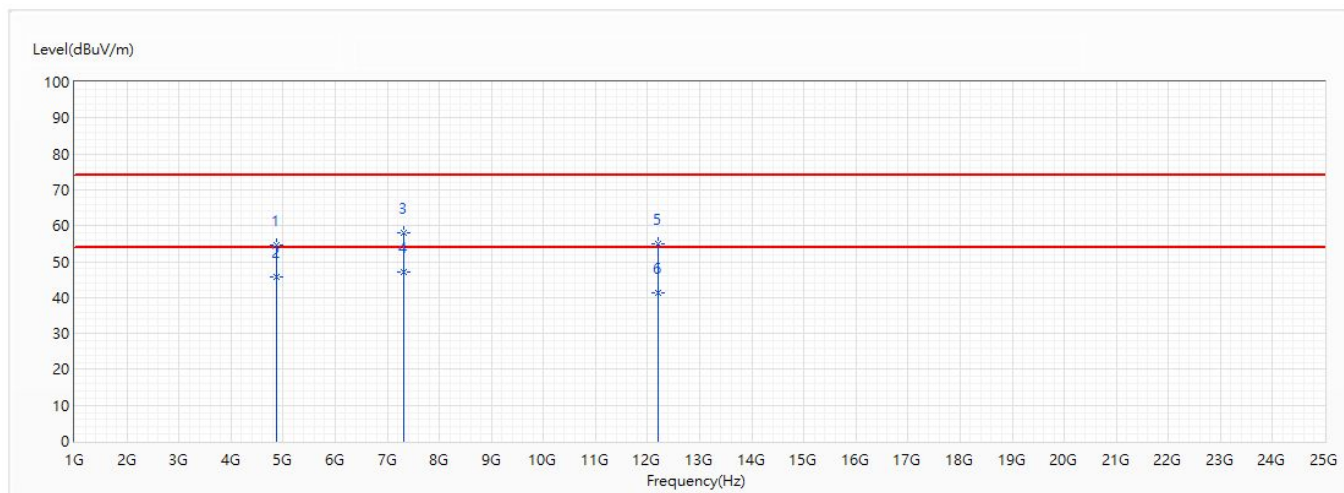


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	4880	40.43	74.00	-33.57	52.26	-11.83	PK
2	4880	51.53	74.00	-22.47	63.36	-11.83	PK
3	7320	55.46	74.00	-18.54	59.81	-4.35	PK
* 4	7320	44.17	54.00	-9.83	48.52	-4.35	AV
5	12200	54.23	74.00	-19.77	51.65	2.58	PK
6	12200	41.29	54.00	-12.71	38.71	2.58	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/10
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Vertical	Temperature (°C)	23.0
Test Condition	2Mbps_Ch19_2.44G	Humidity (%RH)	55.0

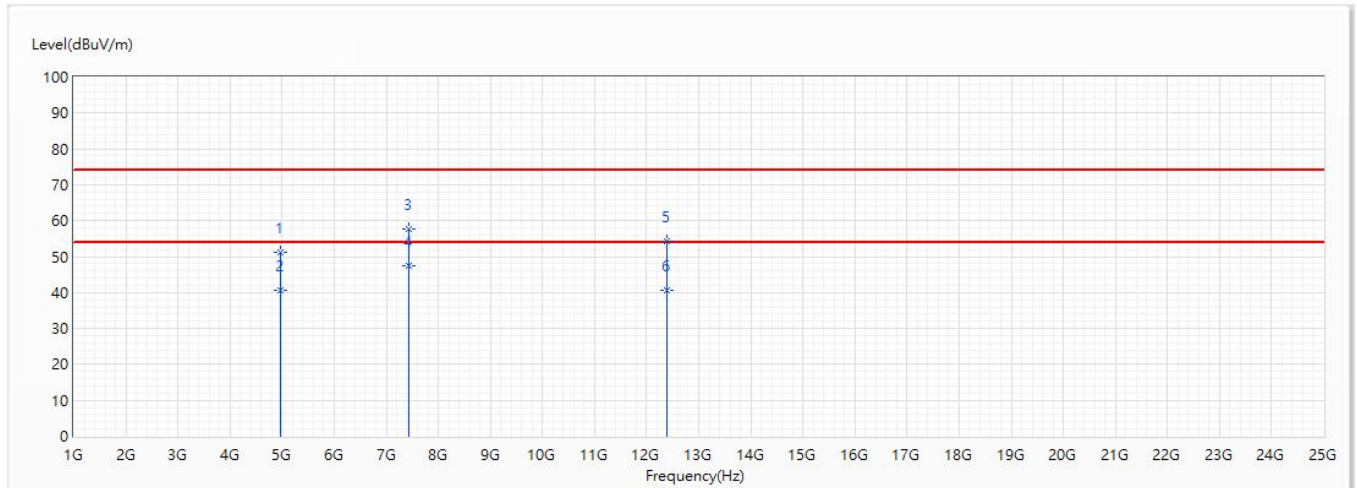


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	4880	54.68	74.00	-19.32	66.51	-11.83	PK
2	4880	45.69	54.00	-8.31	57.52	-11.83	AV
3	7320	57.94	74.00	-16.06	62.29	-4.35	PK
* 4	7320	47.01	54.00	-6.99	51.36	-4.35	AV
5	12200	54.89	74.00	-19.11	52.31	2.58	PK
6	12200	41.18	54.00	-12.82	38.60	2.58	AV

Note:

1. 平均值限制值為 54dBuV/m，峰值限制值為平均值+20dB=74dBuV/m。
2. “*”意指量測數據中最高量測值。
3. Emission Level = Reading Level + Correct Factor.。
4. 峰值檢測值當低於平均量測規範標準，則不作平均值之檢測。

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/10
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Horizontal	Temperature (°C)	23.0
Test Condition	2Mbps_Ch39_2.48G	Humidity (%RH)	55.0

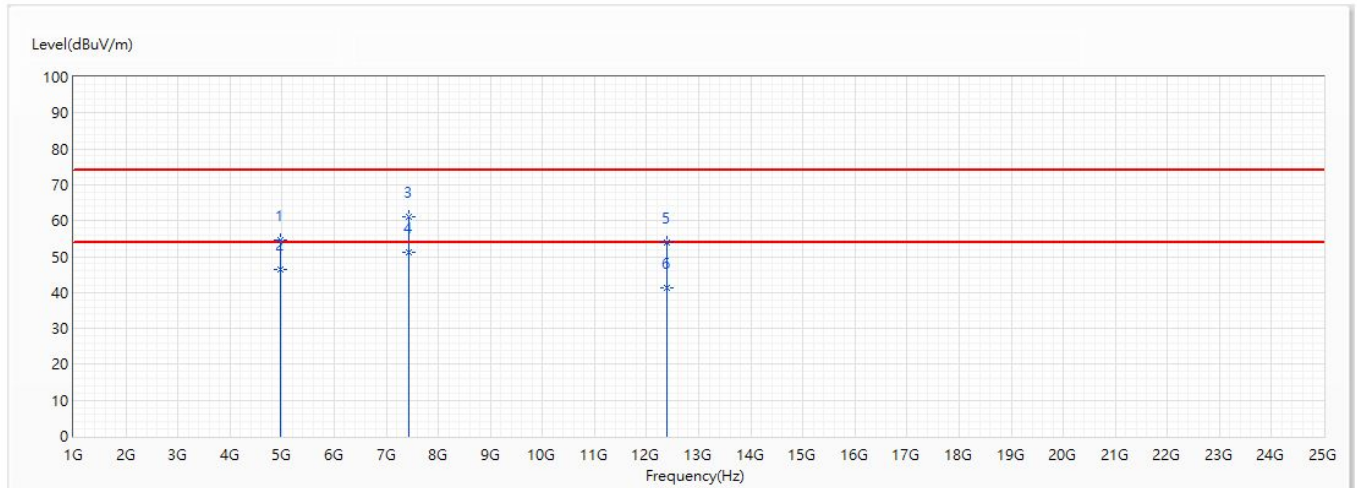


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	4960	51.36	74.00	-22.64	62.96	-11.60	PK
2	4960	40.70	54.00	-13.30	52.30	-11.60	AV
3	7440	57.83	74.00	-16.17	61.84	-4.01	PK
* 4	7440	47.57	54.00	-6.43	51.58	-4.01	AV
5	12400	54.13	74.00	-19.87	51.79	2.34	PK
6	12400	40.70	54.00	-13.30	38.36	2.34	AV

Note:

- 1.All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst value.
- 3.Emission Level = Reading Level + Correct Factor.
- 4.The average measurement was not performed when the peak measured data under the limit of average detection.
- 5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/10
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Vertical	Temperature (°C)	23.0
Test Condition	2Mbps_Ch39_2.48G	Humidity (%RH)	55.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	4960	54.71	74.00	-19.29	66.31	-11.60	PK
2	4960	46.25	54.00	-7.75	57.85	-11.60	AV
3	7440	60.98	74.00	-13.02	64.99	-4.01	PK
* 4	7440	51.03	54.00	-2.97	55.04	-4.01	AV
5	12400	54.01	74.00	-19.99	51.67	2.34	PK
6	12400	41.30	54.00	-12.70	38.96	2.34	AV

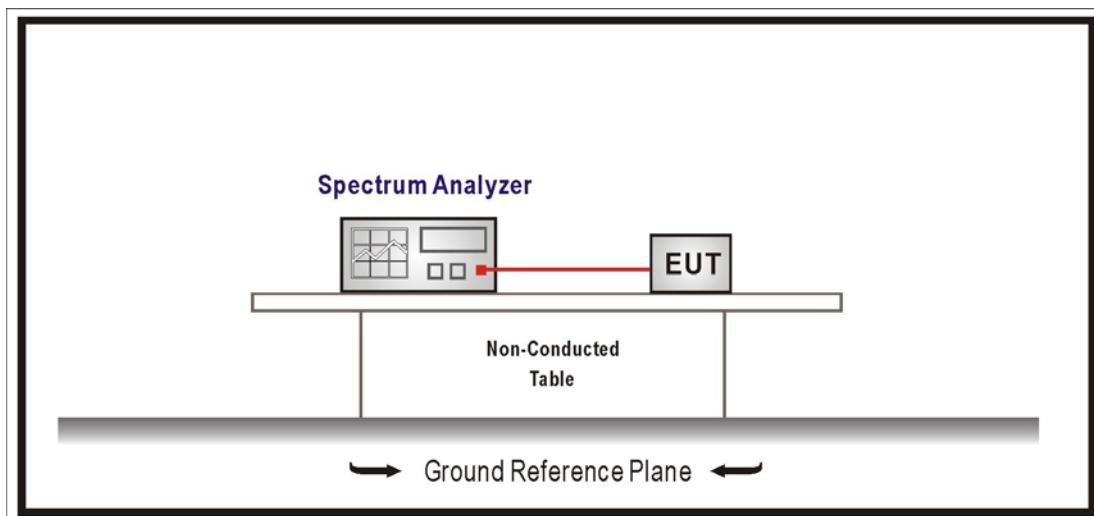
Note:

- 1.All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst value.
- 3.Emission Level = Reading Level + Correct Factor.
- 4.The average measurement was not performed when the peak measured data under the limit of average detection.
- 5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

5. RF antenna conducted test

5.1. Test Setup

RF Conducted Measurement:



5.2. Limits

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, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

5.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB 558074 D01V05r02 for compliance to FCC 47CFR 15.247 requirements. Set RBW = 100 kHz, Set VBW > RBW, scan up through 10th harmonic.

5.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2019

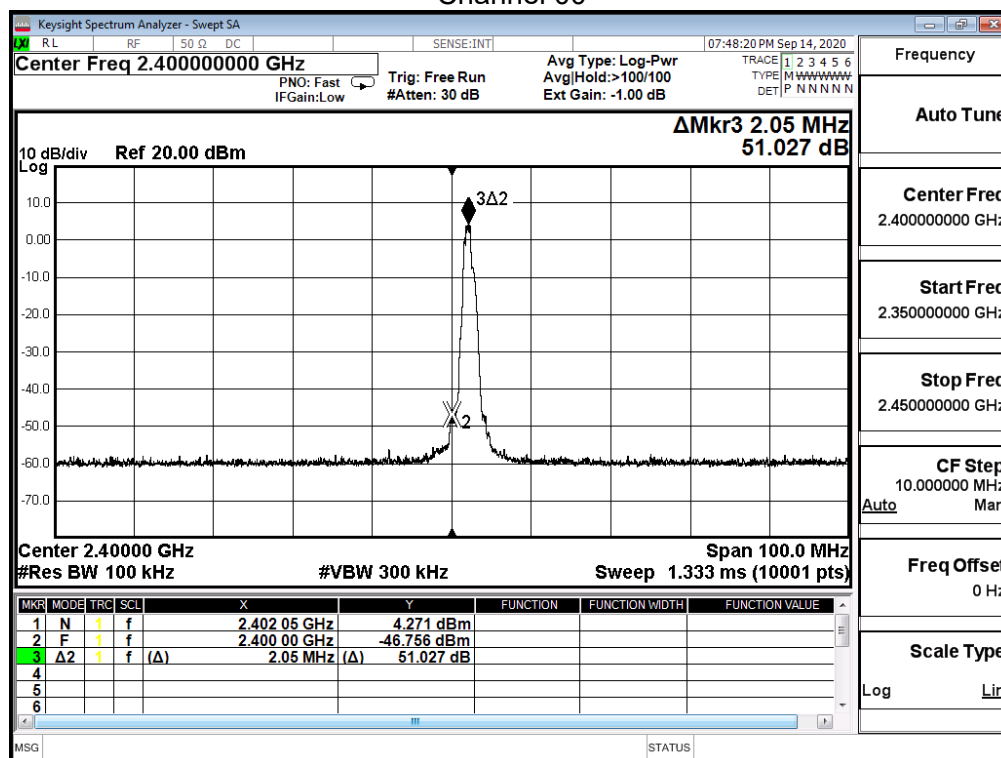
5.5. Test Result

Product	Bluetooth module		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2020/09/14	Test Site	SR12-H
Temperature(°C)	22	Humidity (%RH)	67

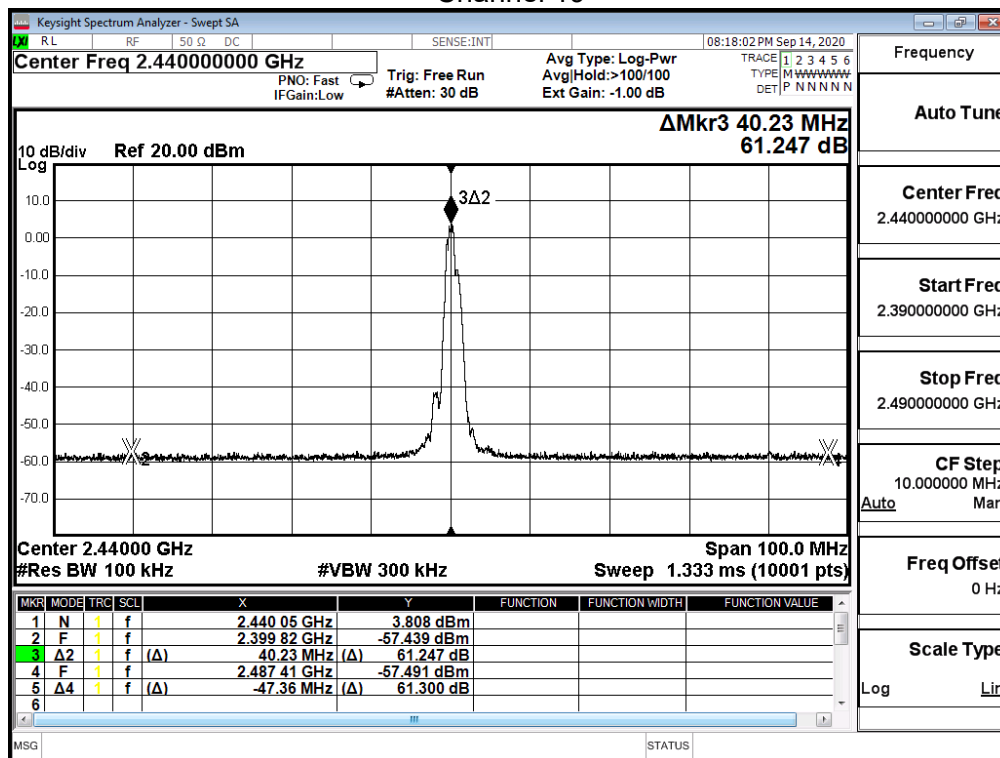
GFSK_1Mbps

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
0	2402	46.677	≥ 20
19	2440	47.572	≥ 20
39	2480	46.054	≥ 20

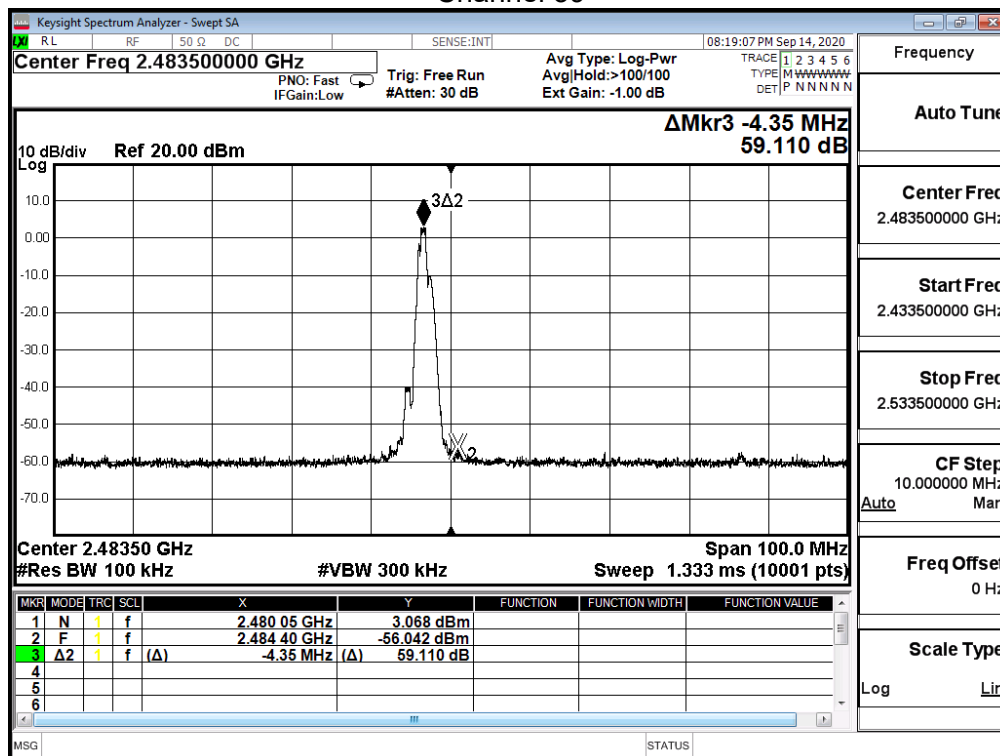
Channel 00



Channel 19



Channel 39

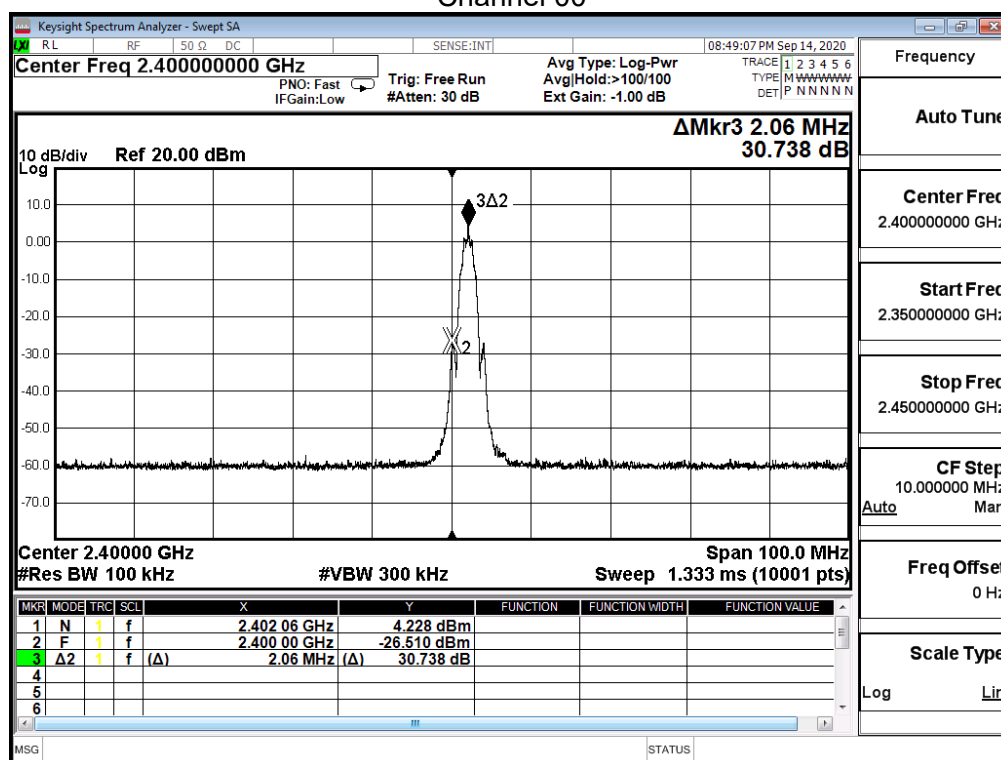


Product	Bluetooth module		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2020/09/14	Test Site	SR12-H
Temperature(°C)	22	Humidity (%RH)	67

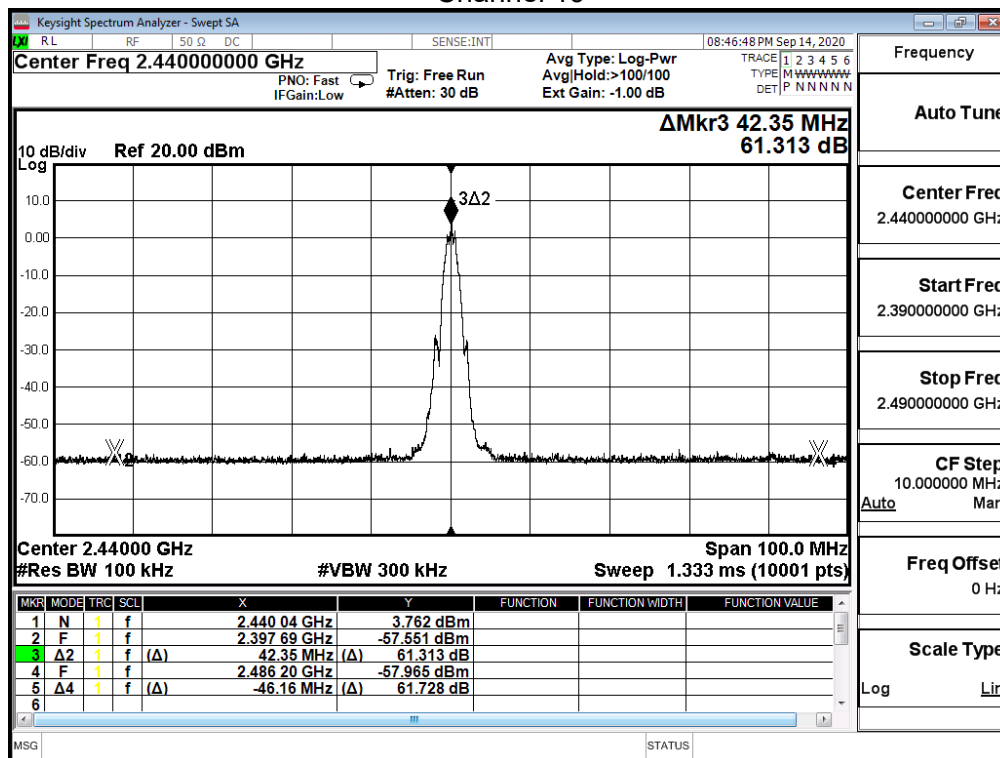
GFSK_2Mbps

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
0	2402	30.738	≥ 20
19	2440	43.721	≥ 20
39	2480	46.959	≥ 20

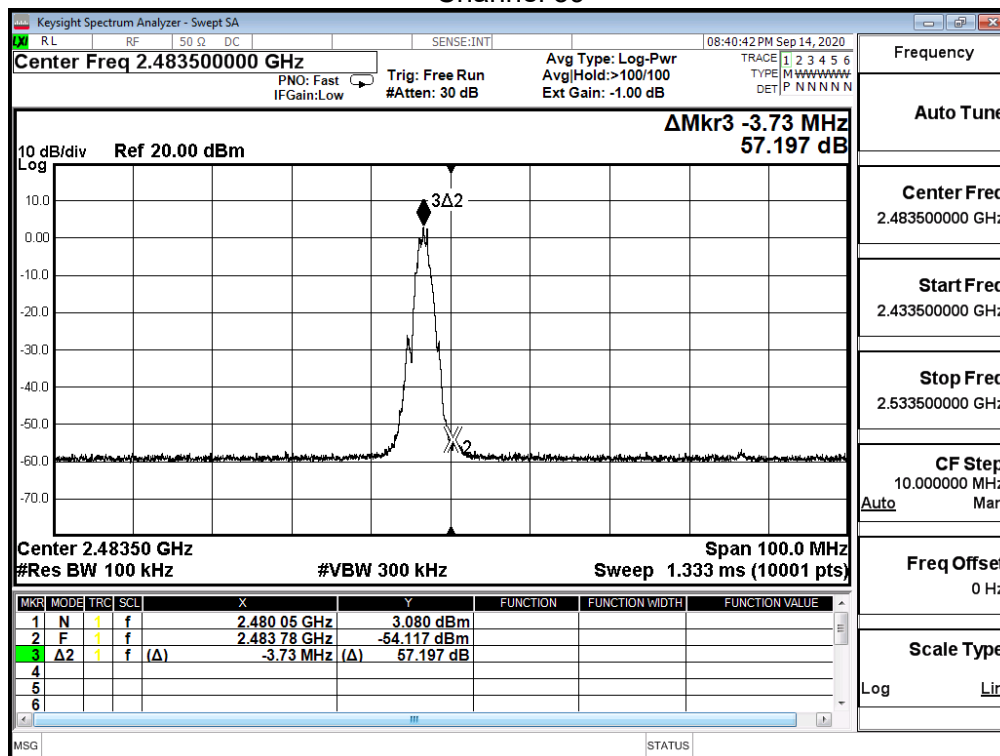
Channel 00



Channel 19

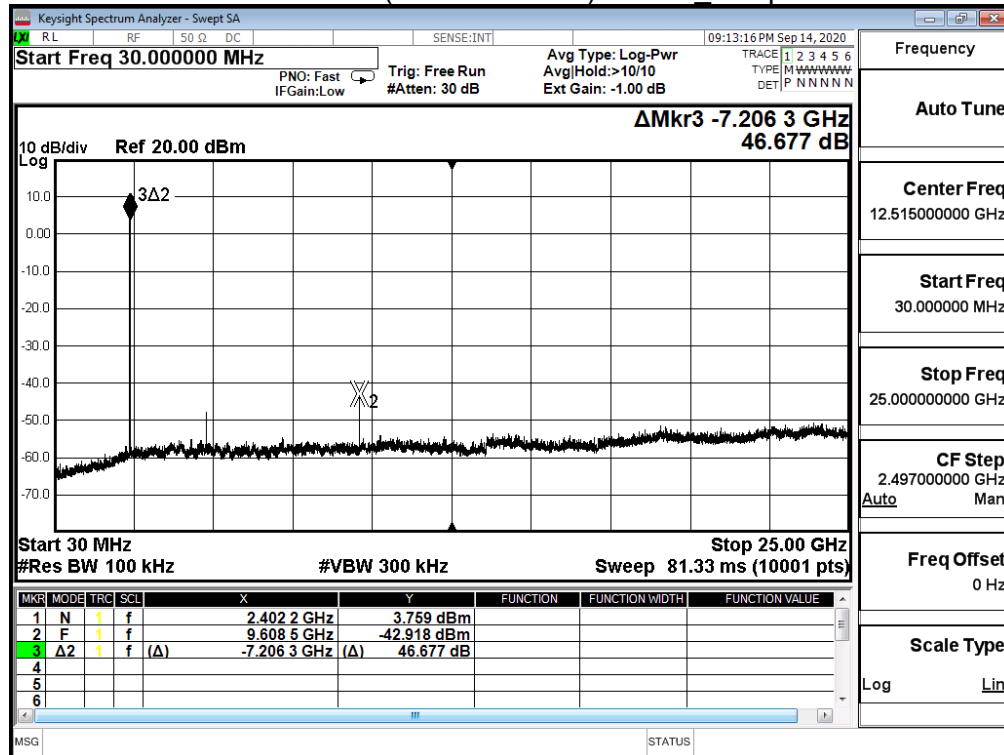


Channel 39

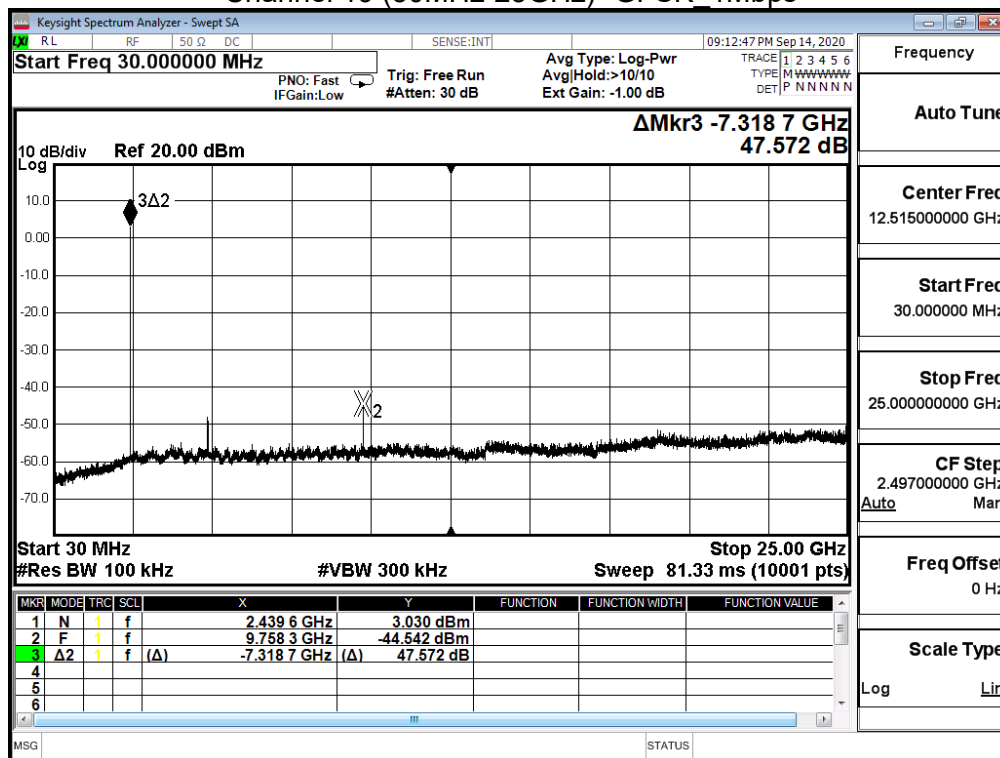


Product	Bluetooth module		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2020/09/14	Test Site	SR12-H
Temperature(°C)	22	Humidity (%RH)	67

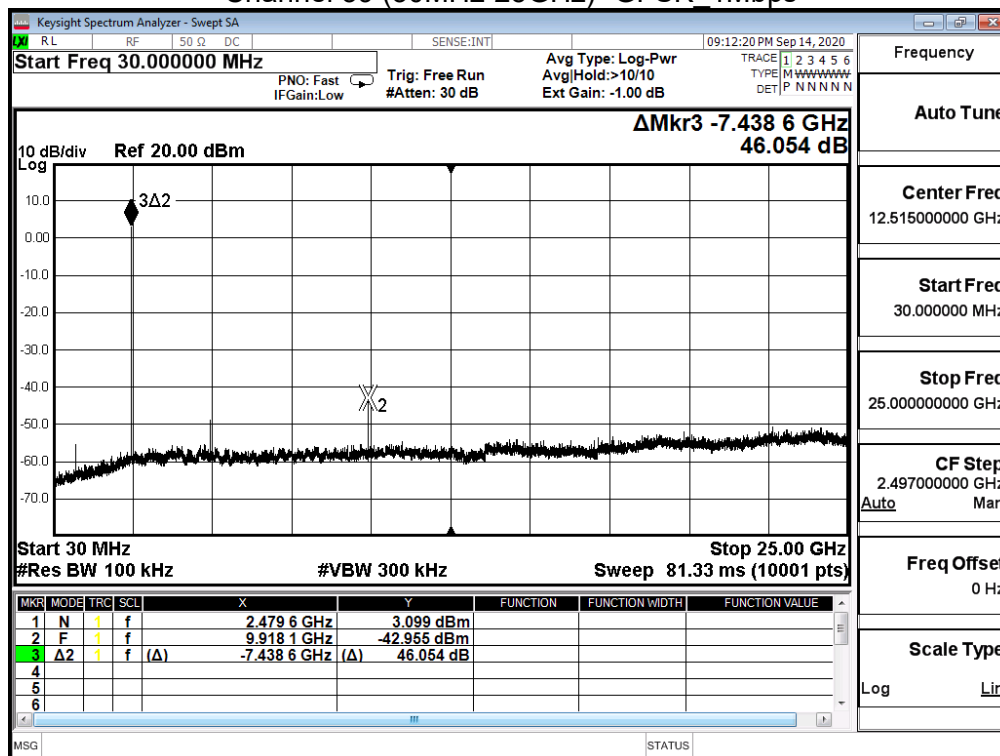
Channel 00 (30MHz-25GHz)- GFSK_1Mbps



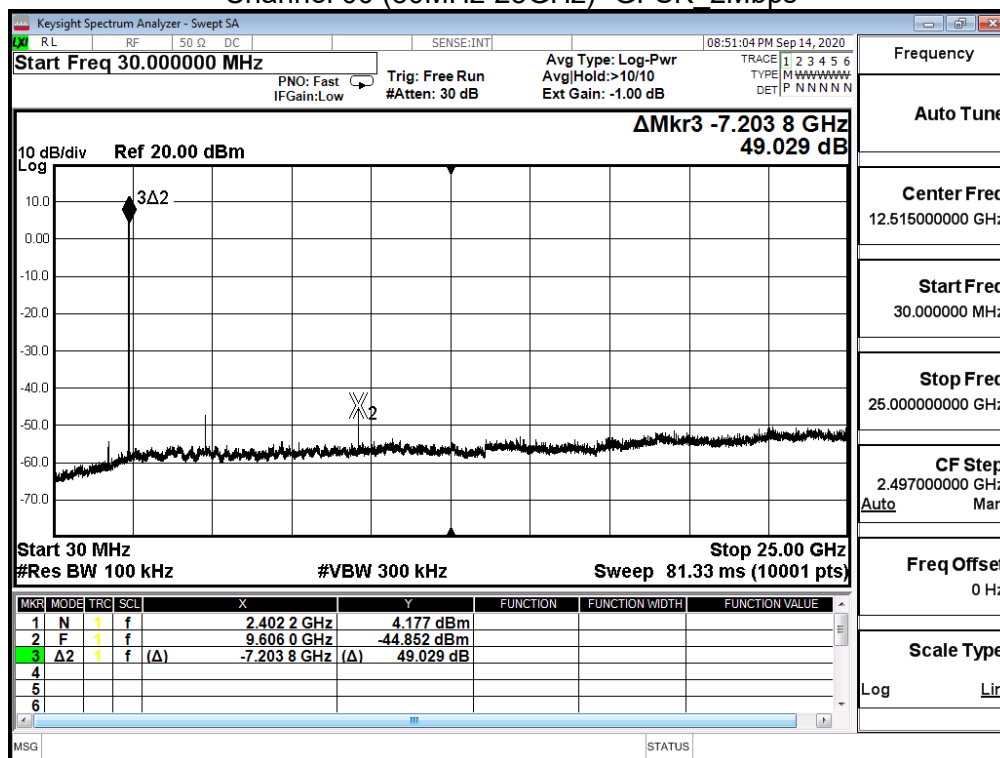
Channel 19 (30MHz-25GHz)- GFSK 1Mbps



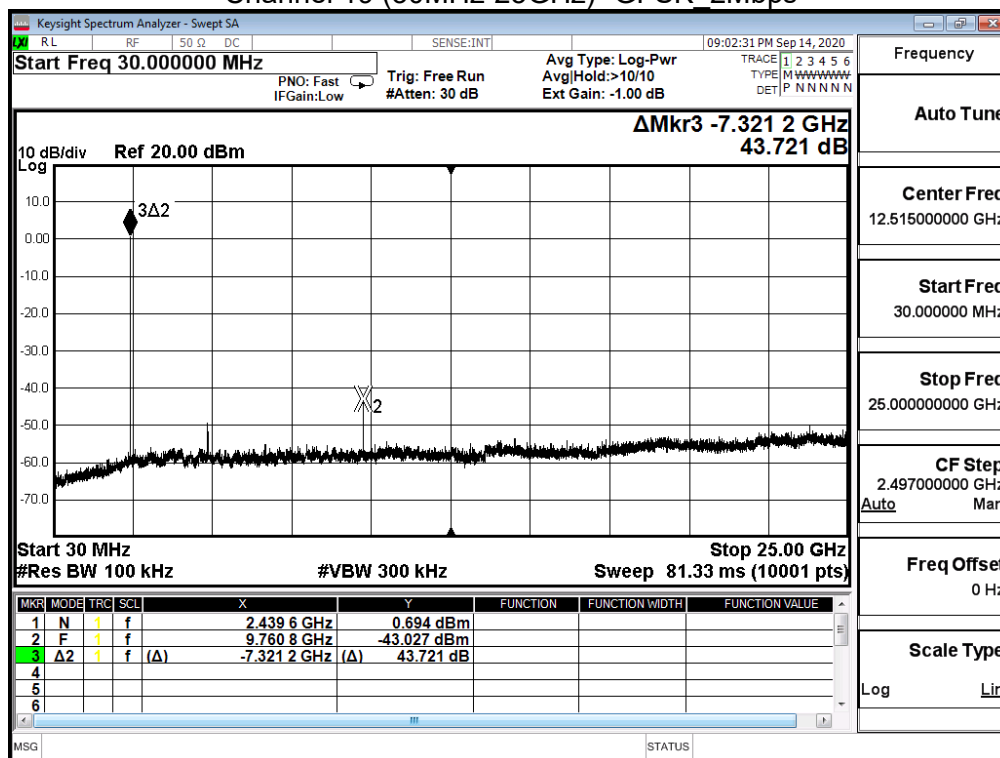
Channel 39 (30MHz-25GHz)- GFSK 1Mbps



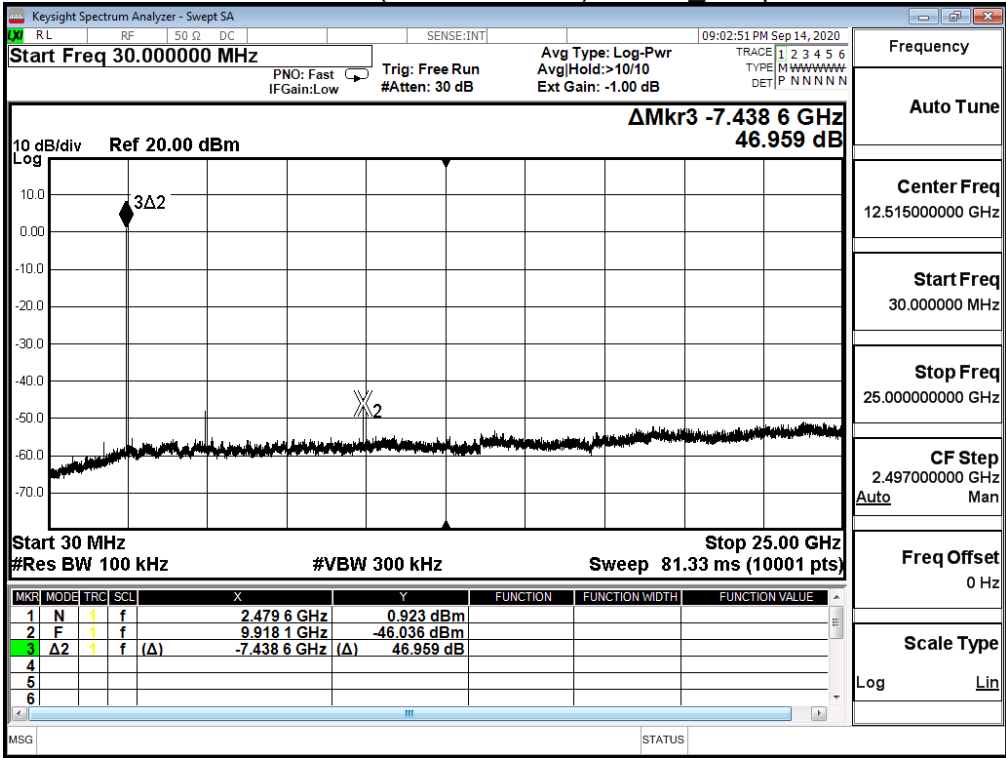
Channel 00 (30MHz-25GHz)- GFSK 2Mbps



Channel 19 (30MHz-25GHz)- GFSK 2Mbps



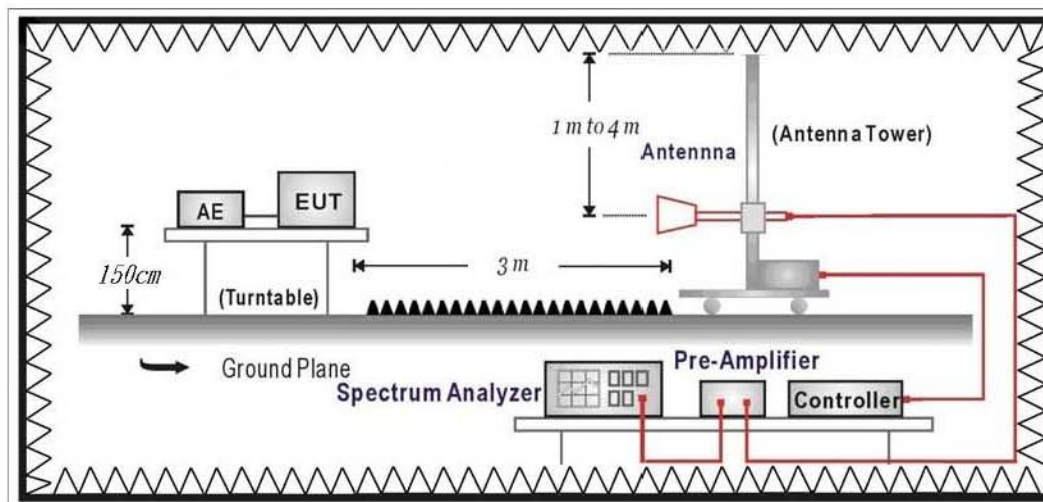
Channel 39 (30MHz-25GHz)- GFSK_ 2Mbps



6. Radiated Emission Band Edge

6.1. Test Setup

RF Radiated Measurement:



6.2. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

6.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB 558074 D01V05r02 for compliance to FCC 47CFR 15.247 requirements.

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground.

The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

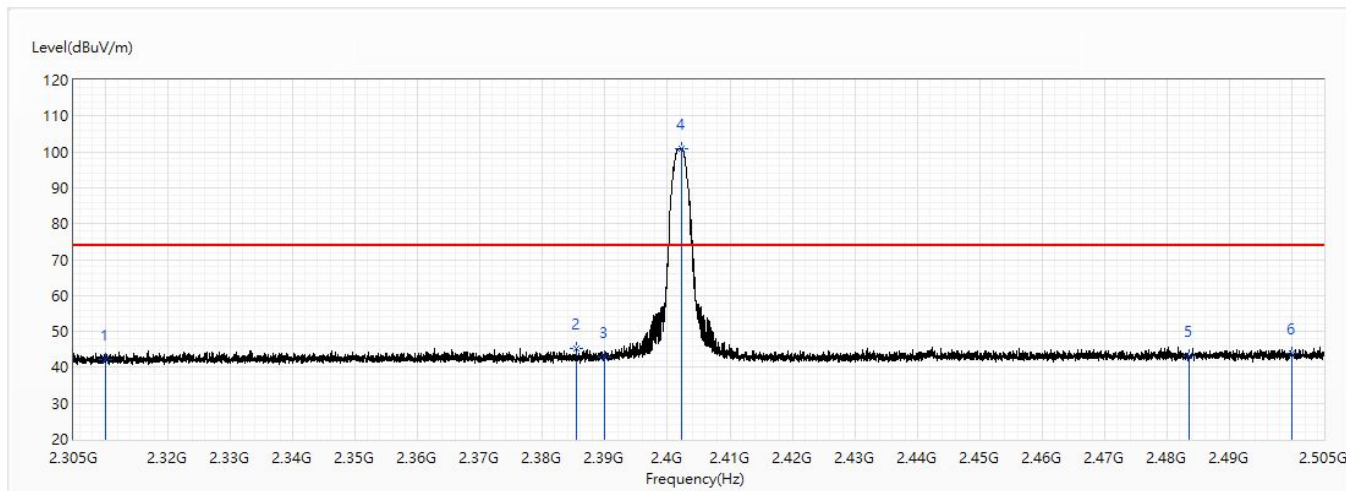
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

6.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2019

6.5. Test Result

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Horizontal	Temperature (°C)	22.0
Test Condition	1Mbps_Ch00_2.402G	Humidity (%RH)	55.0

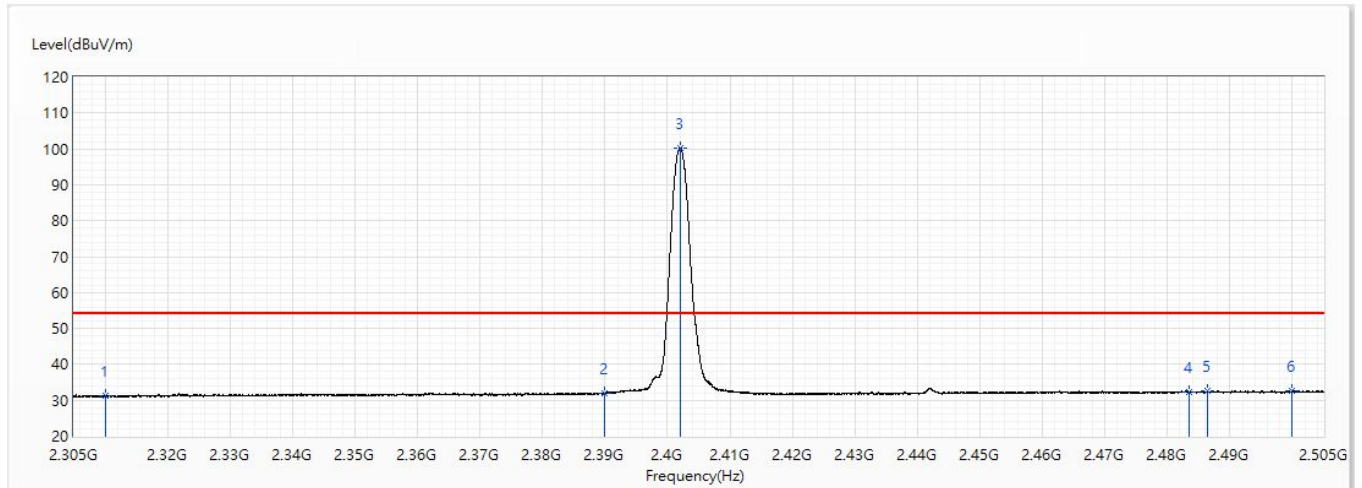


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	42.34	74.00	-31.66	29.19	13.15	PK
2	2385.525	45.33	74.00	-28.67	31.66	13.67	PK
3	2390	42.81	74.00	-31.19	29.11	13.70	PK
! 4	2402.25	100.87	74.00	26.87	87.08	13.79	PK
5	2483.5	43.16	74.00	-30.84	28.80	14.36	PK
6	2500	43.86	74.00	-30.14	29.38	14.48	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Horizontal	Temperature (°C)	22.0
Test Condition	1Mbps_Ch00_2.402G	Humidity (%RH)	55.0

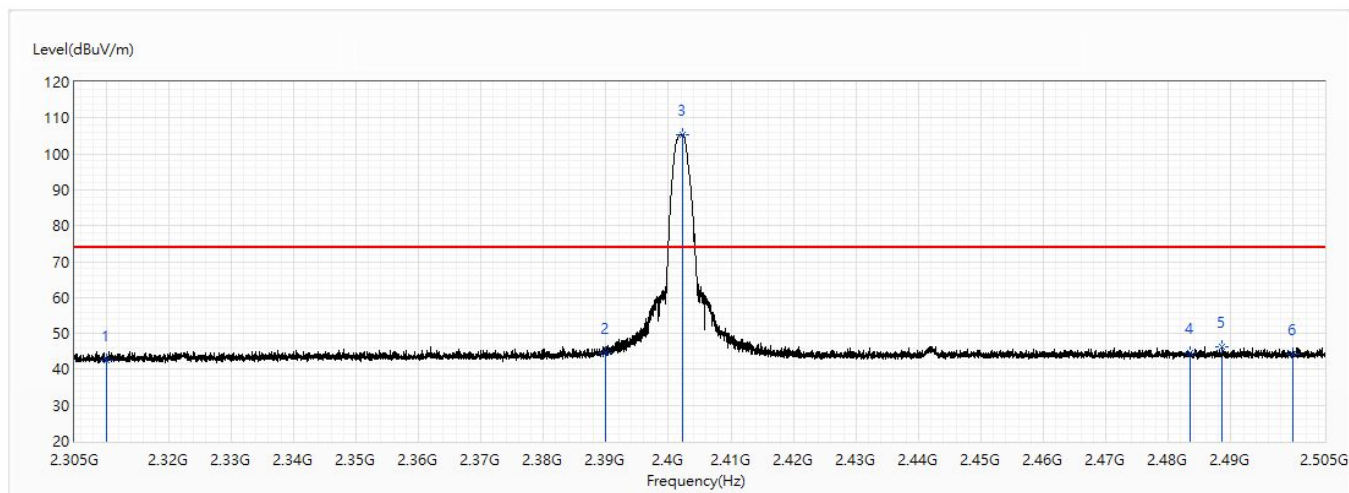


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	31.24	54.00	-22.76	18.09	13.15	AV
2	2390	31.98	54.00	-22.02	18.28	13.70	AV
! 3	2402.025	100.33	54.00	46.33	86.54	13.79	AV
4	2483.5	32.29	54.00	-21.71	17.93	14.36	AV
5	2486.425	32.59	54.00	-21.41	18.20	14.39	AV
6	2500	32.47	54.00	-21.53	17.99	14.48	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Vertical	Temperature (°C)	22.0
Test Condition	1Mbps_Ch00_2.402G	Humidity (%RH)	55.0

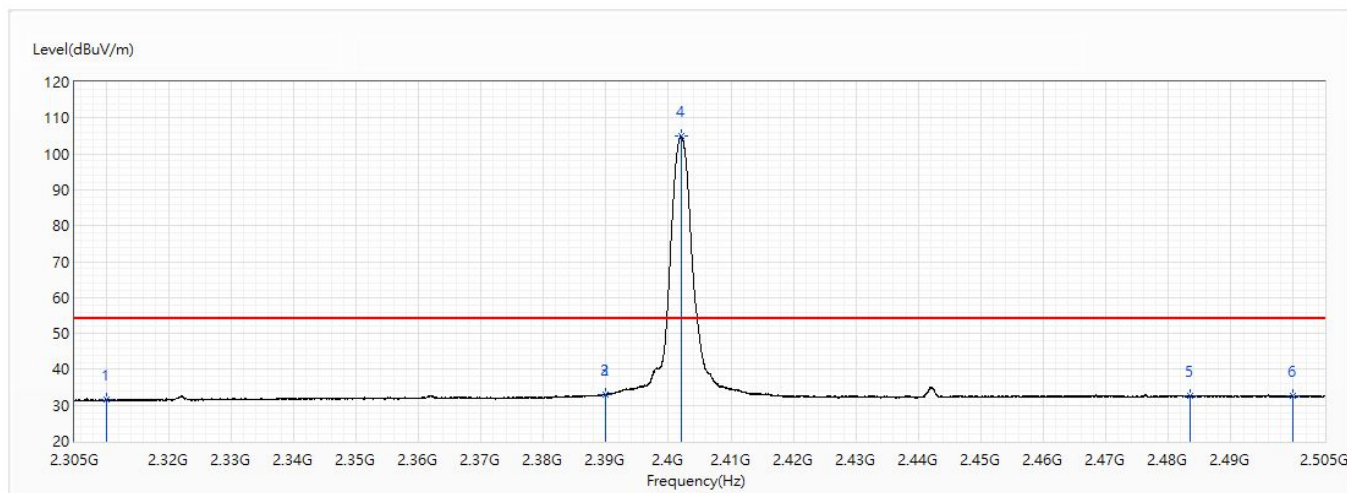


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	42.68	74.00	-31.32	29.53	13.15	PK
2	2390	44.49	74.00	-29.51	30.79	13.70	PK
! 3	2402.275	105.27	74.00	31.27	91.48	13.79	PK
4	2483.5	44.72	74.00	-29.28	30.36	14.36	PK
5	2488.575	46.24	74.00	-27.76	31.84	14.40	PK
6	2500	44.24	74.00	-29.76	29.76	14.48	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Vertical	Temperature (°C)	22.0
Test Condition	1Mbps_Ch00_2.402G	Humidity (%RH)	55.0

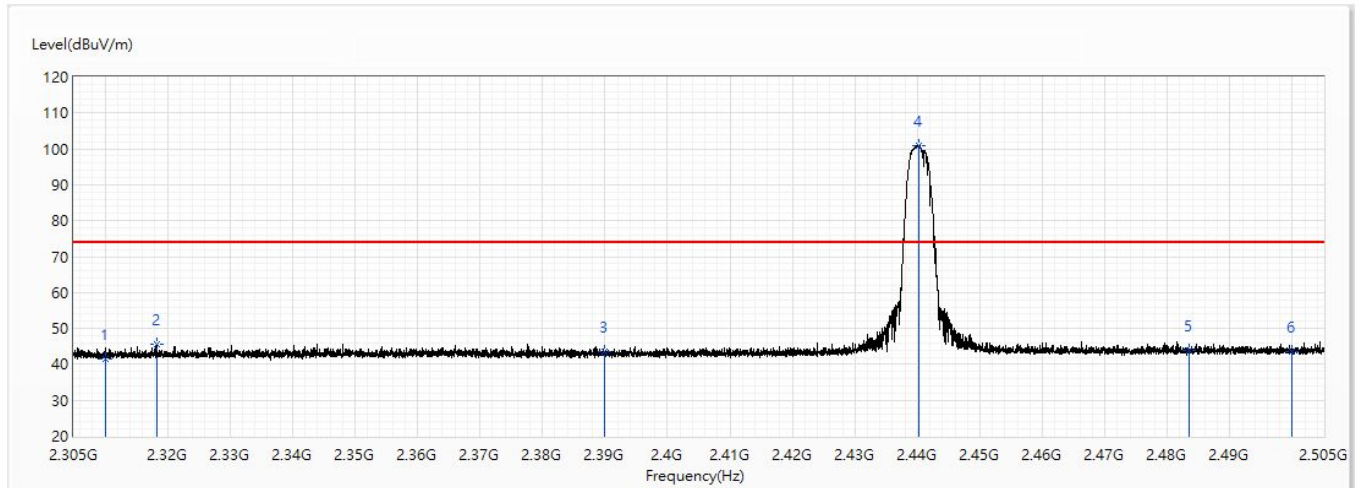


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	31.55	54.00	-22.45	18.40	13.15	AV
2	2389.9	32.96	54.00	-21.04	19.26	13.70	AV
3	2390	33.01	54.00	-20.99	19.31	13.70	AV
! 4	2402.05	104.89	54.00	50.89	91.10	13.79	AV
5	2483.5	32.52	54.00	-21.48	18.16	14.36	AV
6	2500	32.52	54.00	-21.48	18.04	14.48	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Horizontal	Temperature (°C)	22.0
Test Condition	1Mbps_Ch19_2.44G	Humidity (%RH)	55.0

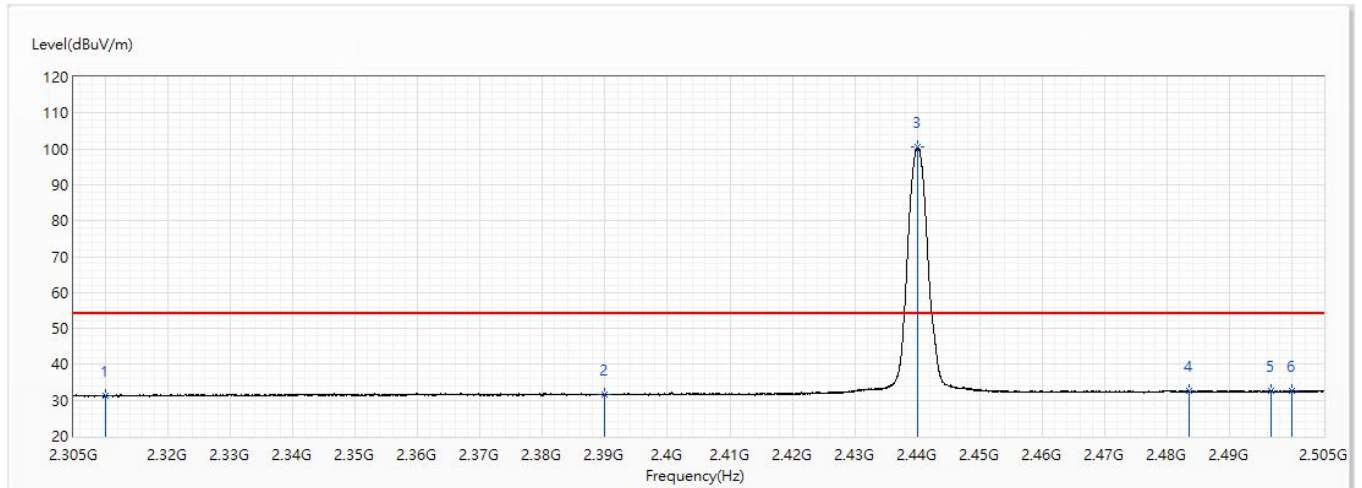


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	41.61	74.00	-32.39	28.46	13.15	PK
2	2318.225	45.73	74.00	-28.27	32.53	13.20	PK
3	2390	43.47	74.00	-30.53	29.77	13.70	PK
! 4	2440.275	100.79	74.00	26.79	86.74	14.05	PK
5	2483.5	43.77	74.00	-30.23	29.41	14.36	PK
6	2500	43.45	74.00	-30.55	28.97	14.48	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Horizontal	Temperature (°C)	22.0
Test Condition	1Mbps_Ch19_2.44G	Humidity (%RH)	55.0

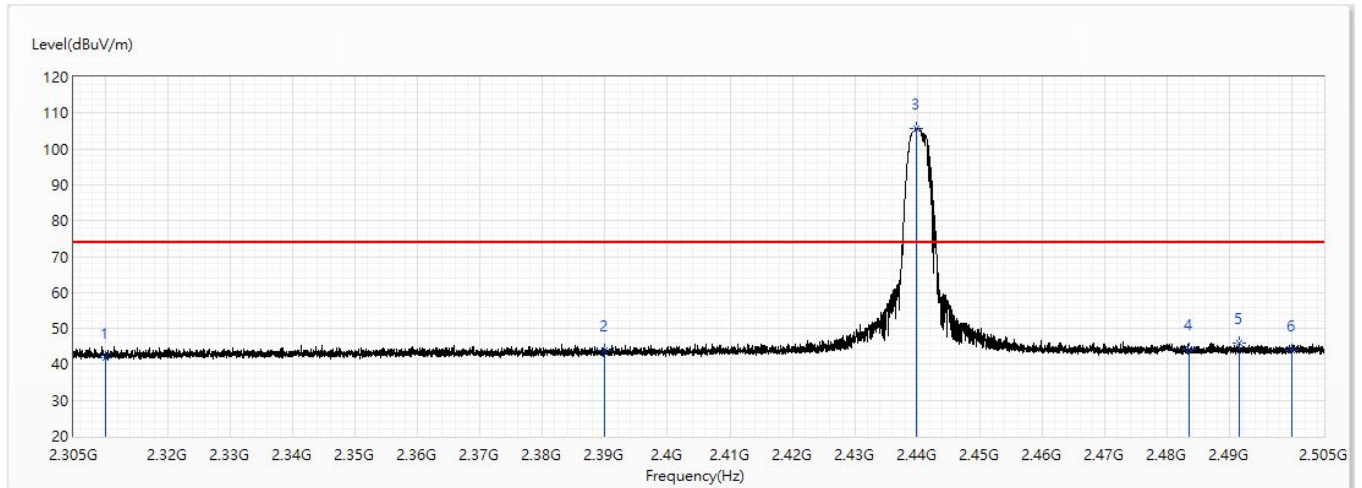


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	31.22	54.00	-22.78	18.07	13.15	AV
2	2390	31.60	54.00	-22.40	17.90	13.70	AV
! 3	2440.025	100.40	54.00	46.40	86.35	14.05	AV
4	2483.5	32.50	54.00	-21.50	18.14	14.36	AV
5	2496.575	32.69	54.00	-21.31	18.24	14.45	AV
6	2500	32.47	54.00	-21.53	17.99	14.48	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Vertical	Temperature (°C)	22.0
Test Condition	1Mbps_Ch19_2.44G	Humidity (%RH)	55.0

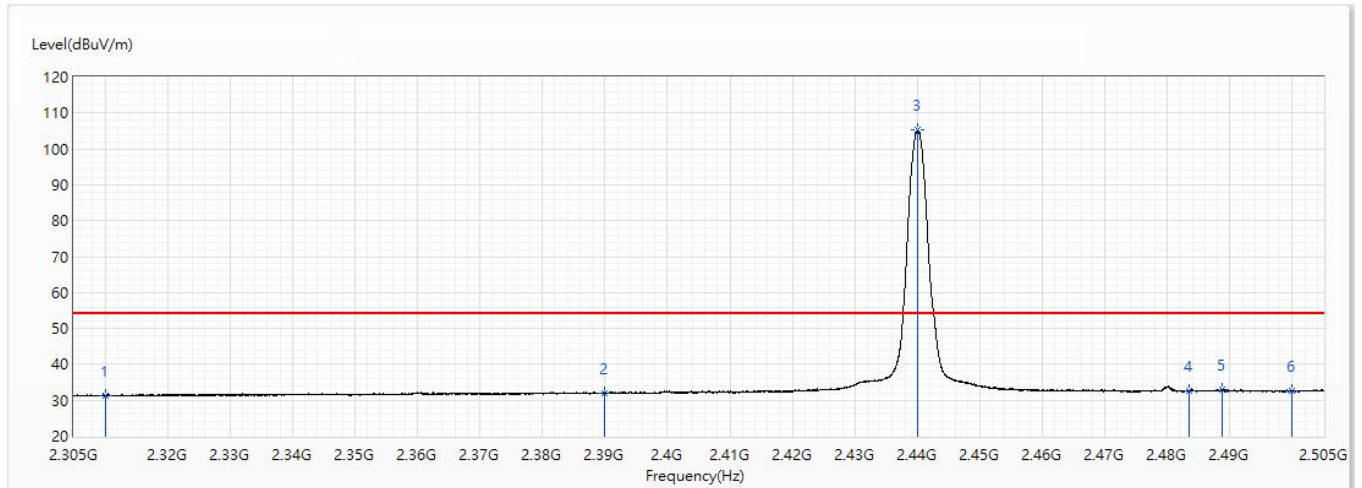


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	41.99	74.00	-32.01	28.84	13.15	PK
2	2390	43.90	74.00	-30.10	30.20	13.70	PK
! 3	2439.8	105.56	74.00	31.56	91.51	14.05	PK
4	2483.5	44.09	74.00	-29.91	29.73	14.36	PK
5	2491.475	45.93	74.00	-28.07	31.52	14.41	PK
6	2500	43.91	74.00	-30.09	29.43	14.48	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Vertical	Temperature (°C)	22.0
Test Condition	1Mbps_Ch19_2.44G	Humidity (%RH)	55.0

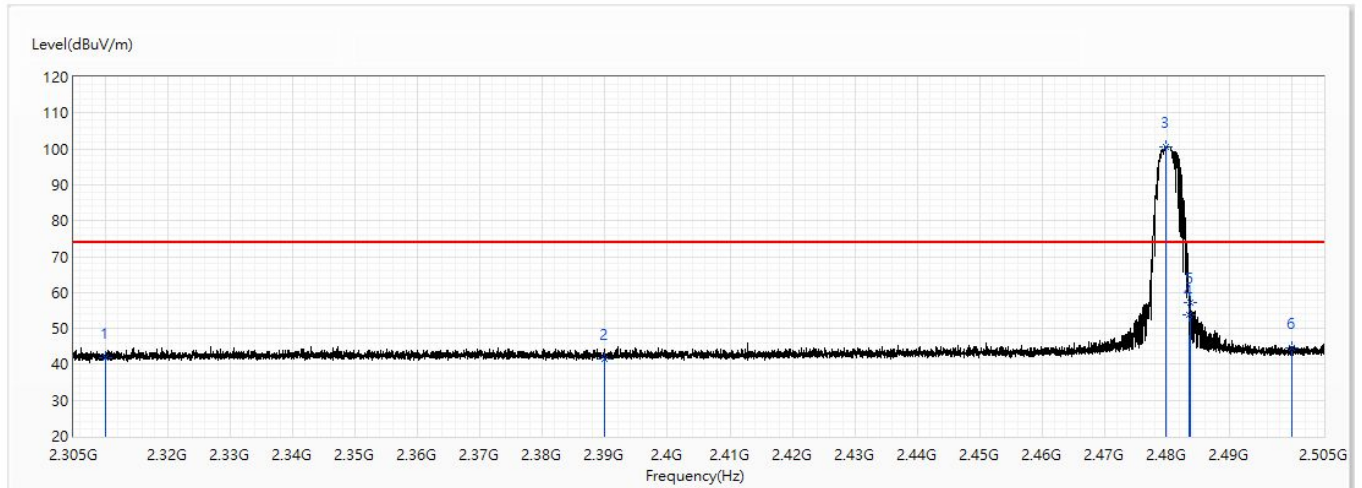


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	31.24	54.00	-22.76	18.09	13.15	AV
2	2390	31.94	54.00	-22.06	18.24	13.70	AV
! 3	2440.025	105.19	54.00	51.19	91.14	14.05	AV
4	2483.5	32.65	54.00	-21.35	18.29	14.36	AV
5	2488.7	32.87	54.00	-21.13	18.47	14.40	AV
6	2500	32.55	54.00	-21.45	18.07	14.48	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Horizontal	Temperature (°C)	22.0
Test Condition	1Mbps_Ch39_2.48G	Humidity (%RH)	55.0

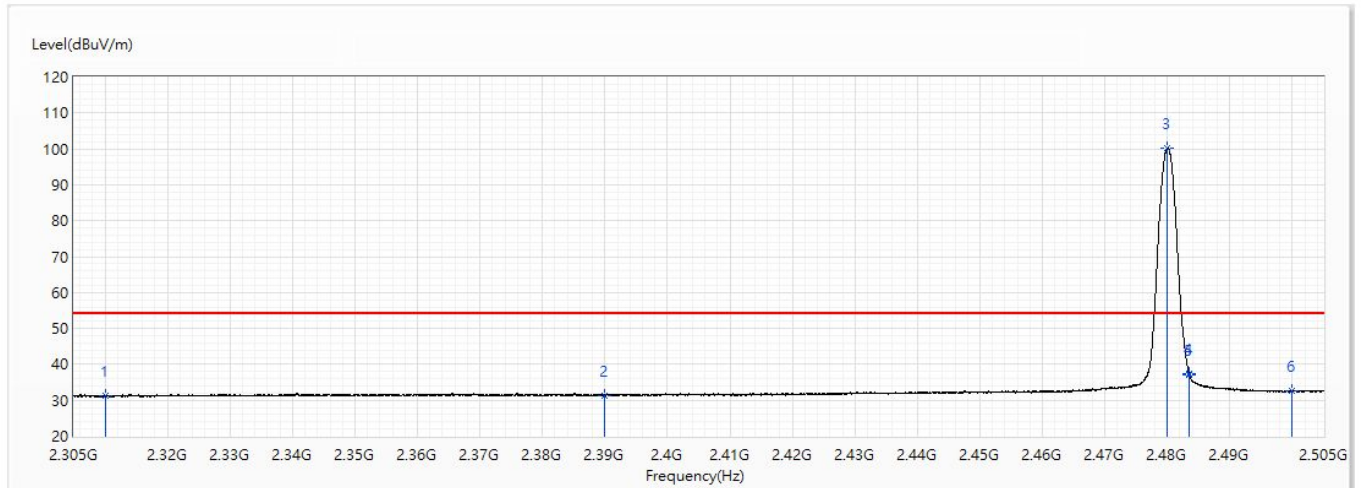


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	41.82	74.00	-32.18	28.67	13.15	PK
2	2390	41.67	74.00	-32.33	27.97	13.70	PK
! 3	2479.8	100.69	74.00	26.69	86.35	14.34	PK
4	2483.5	53.62	74.00	-20.38	39.26	14.36	PK
5	2483.6	57.26	74.00	-16.74	42.90	14.36	PK
6	2500	44.43	74.00	-29.57	29.95	14.48	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Horizontal	Temperature (°C)	22.0
Test Condition	1Mbps_Ch39_2.48G	Humidity (%RH)	55.0

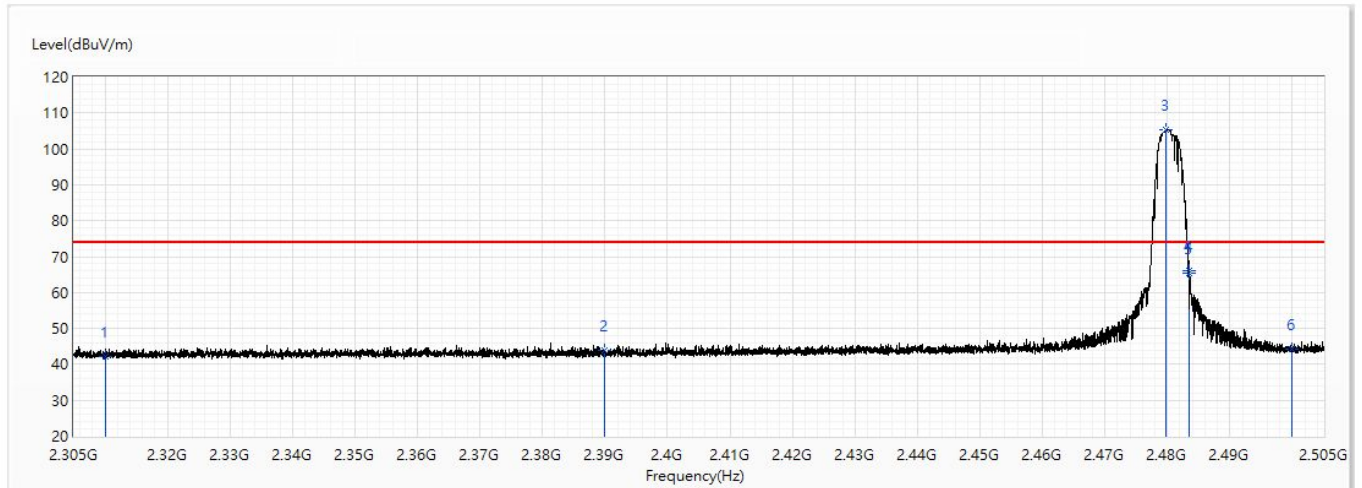


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	31.17	54.00	-22.83	18.02	13.15	AV
2	2390	31.41	54.00	-22.59	17.71	13.70	AV
! 3	2480.025	100.28	54.00	46.28	85.94	14.34	AV
4	2483.5	37.26	54.00	-16.74	22.90	14.36	AV
5	2483.55	37.01	54.00	-16.99	22.65	14.36	AV
6	2500	32.63	54.00	-21.37	18.15	14.48	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Vertical	Temperature (°C)	22.0
Test Condition	1Mbps_Ch39_2.48G	Humidity (%RH)	55.0

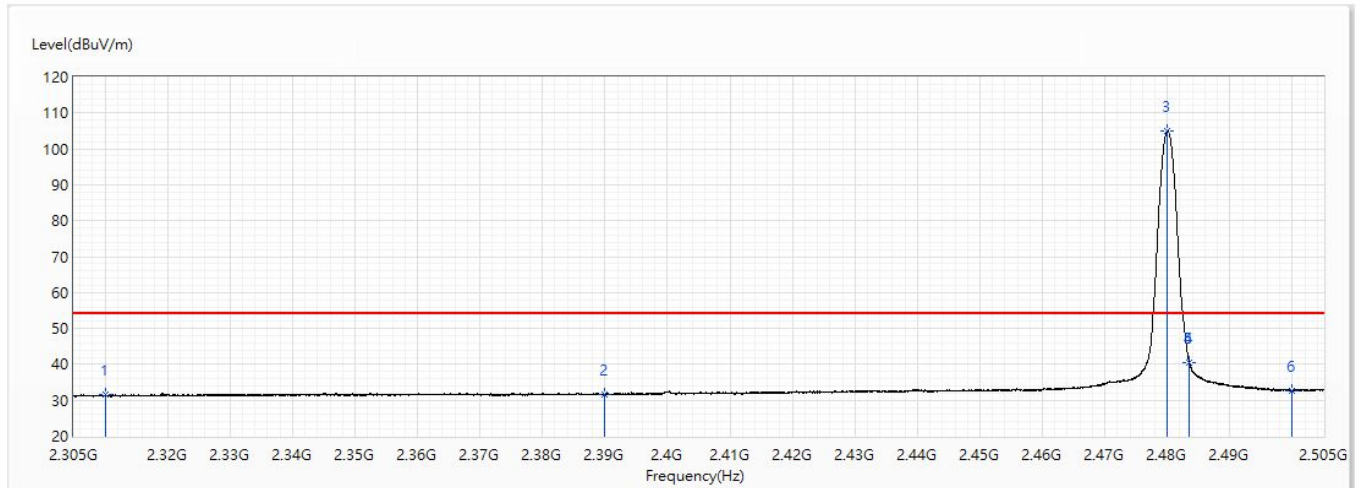


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	42.13	74.00	-31.87	28.98	13.15	PK
2	2390	44.00	74.00	-30.00	30.30	13.70	PK
! 3	2479.775	105.30	74.00	31.30	90.96	14.34	PK
4	2483.5	66.18	74.00	-7.82	51.82	14.36	PK
5	2483.525	65.41	74.00	-8.59	51.05	14.36	PK
6	2500	44.40	74.00	-29.60	29.92	14.48	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Vertical	Temperature (°C)	22.0
Test Condition	1Mbps_Ch39_2.48G	Humidity (%RH)	55.0

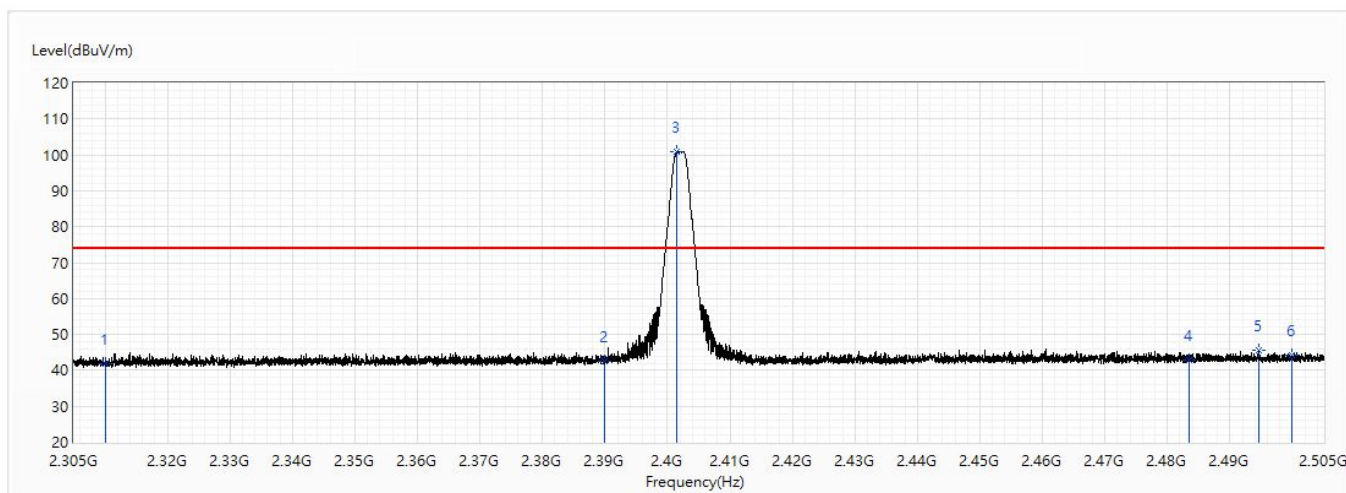


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	31.45	54.00	-22.55	18.30	13.15	AV
2	2390	31.60	54.00	-22.40	17.90	13.70	AV
! 3	2480.025	104.89	54.00	50.89	90.55	14.34	AV
4	2483.5	40.47	54.00	-13.53	26.11	14.36	AV
5	2483.525	40.34	54.00	-13.66	25.98	14.36	AV
6	2500	32.79	54.00	-21.21	18.31	14.48	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Horizontal	Temperature (°C)	22.0
Test Condition	2Mbps_Ch00_2.402G	Humidity (%RH)	55.0

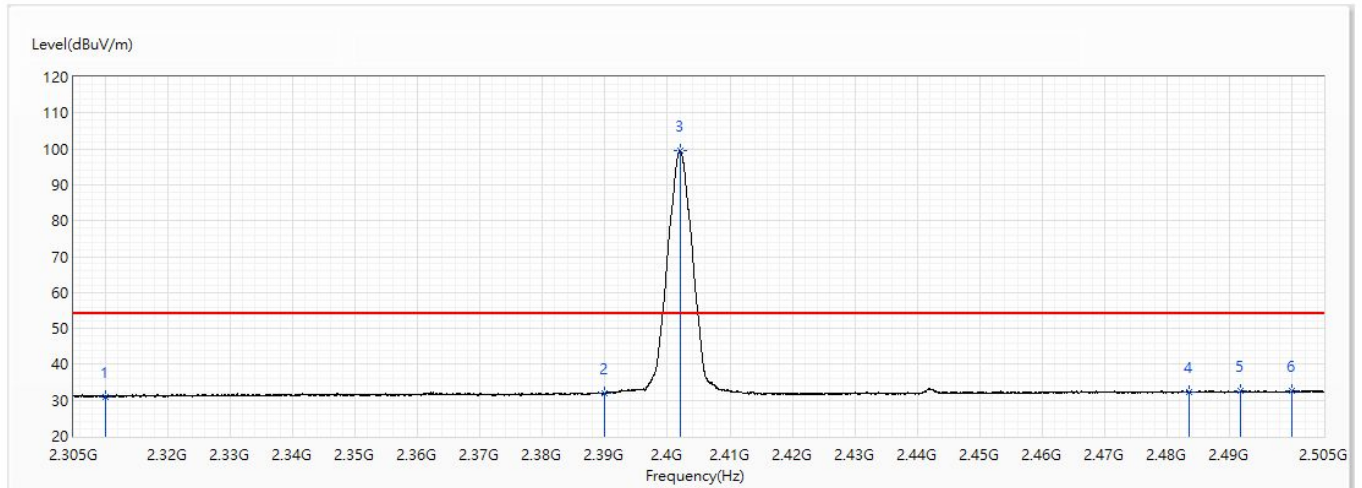


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	41.76	74.00	-32.24	28.61	13.15	PK
2	2390	42.51	74.00	-31.49	28.81	13.70	PK
! 3	2401.55	100.88	74.00	26.88	87.09	13.79	PK
4	2483.5	42.97	74.00	-31.03	28.61	14.36	PK
5	2494.65	45.75	74.00	-28.25	31.31	14.44	PK
6	2500	44.26	74.00	-29.74	29.78	14.48	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Horizontal	Temperature (°C)	22.0
Test Condition	2Mbps_Ch00_2.402G	Humidity (%RH)	55.0

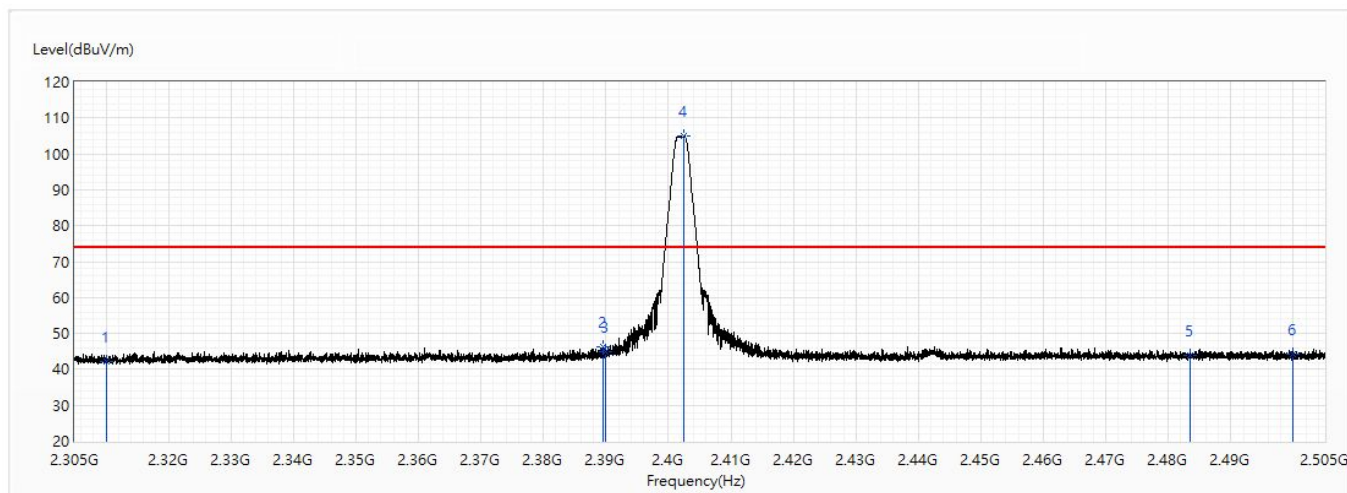


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	31.07	54.00	-22.93	17.92	13.15	AV
2	2390	31.97	54.00	-22.03	18.27	13.70	AV
! 3	2402	99.41	54.00	45.41	85.62	13.79	AV
4	2483.5	32.24	54.00	-21.76	17.88	14.36	AV
5	2491.7	32.66	54.00	-21.34	18.23	14.43	AV
6	2500	32.53	54.00	-21.47	18.05	14.48	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Vertical	Temperature (°C)	22.0
Test Condition	2Mbps_Ch00_2.402G	Humidity (%RH)	55.0

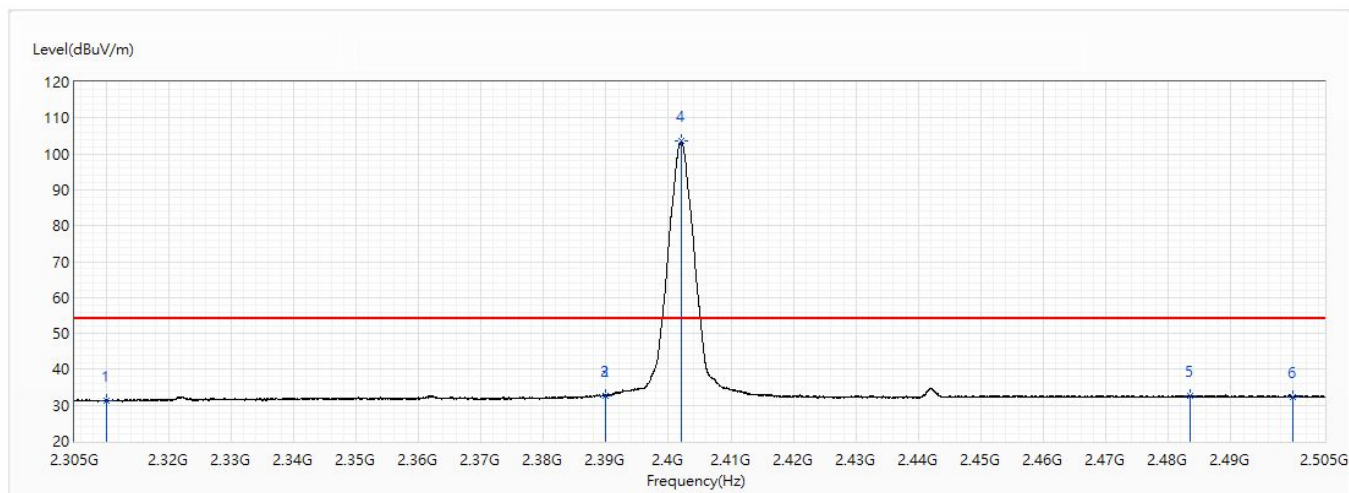


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	42.10	74.00	-31.90	28.95	13.15	PK
2	2389.575	46.21	74.00	-27.79	32.51	13.70	PK
3	2390	44.87	74.00	-29.13	31.17	13.70	PK
! 4	2402.525	104.93	74.00	30.93	91.14	13.79	PK
5	2483.5	43.85	74.00	-30.15	29.49	14.36	PK
6	2500	44.07	74.00	-29.93	29.59	14.48	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Vertical	Temperature (°C)	22.0
Test Condition	2Mbps_Ch00_2.402G	Humidity (%RH)	55.0

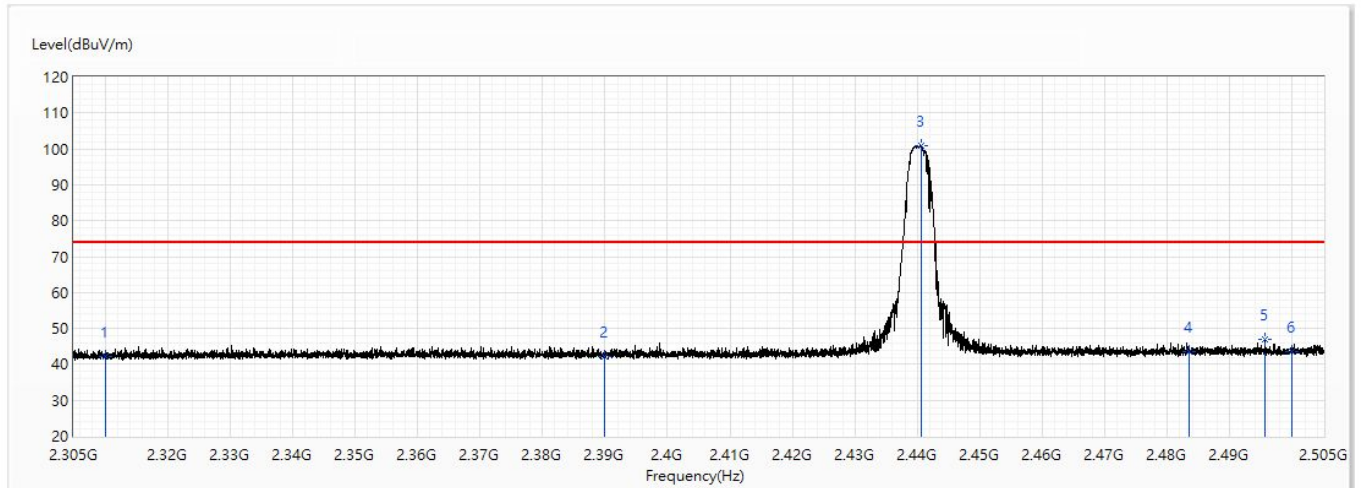


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	31.30	54.00	-22.70	18.15	13.15	AV
2	2389.9	32.76	54.00	-21.24	19.06	13.70	AV
3	2390	32.70	54.00	-21.30	19.00	13.70	AV
! 4	2402.025	103.45	54.00	49.45	89.66	13.79	AV
5	2483.5	32.50	54.00	-21.50	18.14	14.36	AV
6	2500	32.36	54.00	-21.64	17.88	14.48	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Horizontal	Temperature (°C)	22.0
Test Condition	2Mbps_Ch19_2.44G	Humidity (%RH)	55.0

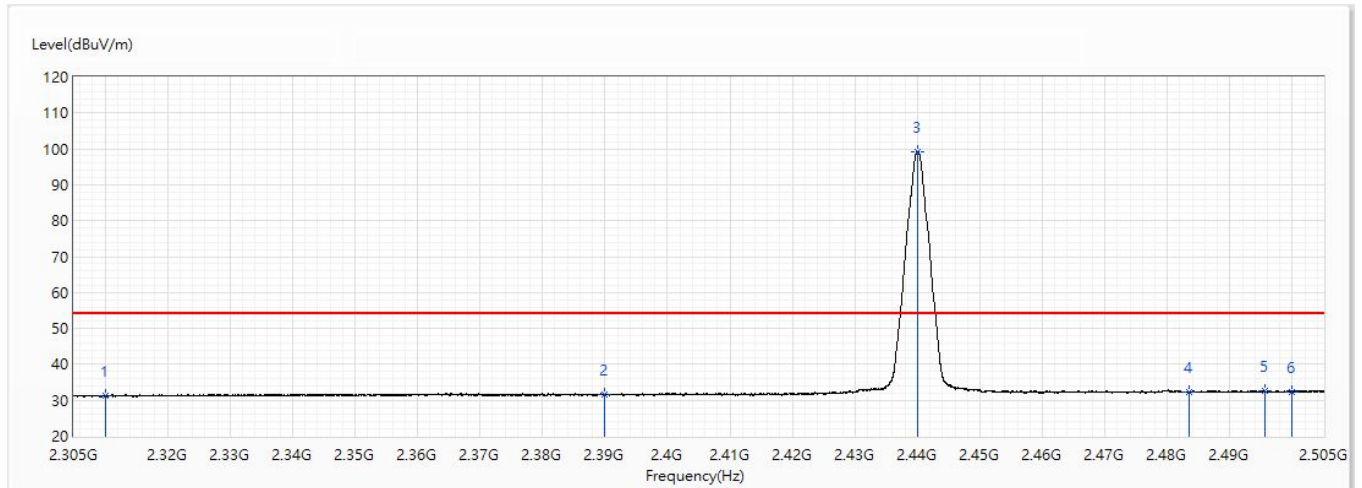


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	42.31	74.00	-31.69	29.16	13.15	PK
2	2390	42.34	74.00	-31.66	28.64	13.70	PK
! 3	2440.525	100.80	74.00	26.80	86.74	14.06	PK
4	2483.5	43.62	74.00	-30.38	29.26	14.36	PK
5	2495.65	47.06	74.00	-26.94	32.62	14.44	PK
6	2500	43.71	74.00	-30.29	29.23	14.48	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Horizontal	Temperature (°C)	22.0
Test Condition	2Mbps_Ch19_2.44G	Humidity (%RH)	55.0

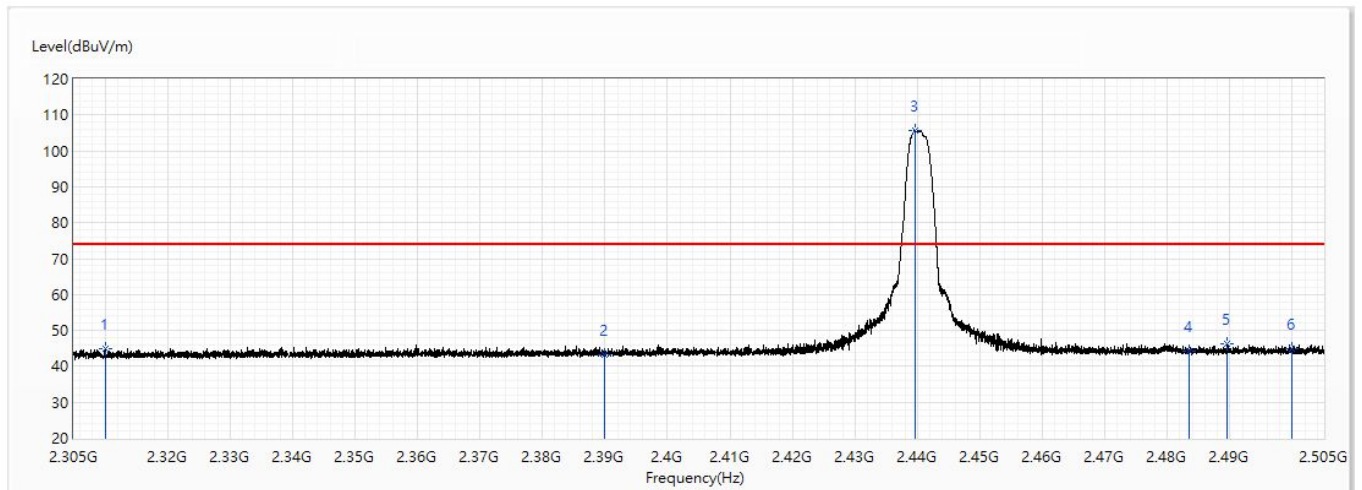


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	31.22	54.00	-22.78	18.07	13.15	AV
2	2390	31.61	54.00	-22.39	17.91	13.70	AV
! 3	2440	99.31	54.00	45.31	85.26	14.05	AV
4	2483.5	32.40	54.00	-21.60	18.04	14.36	AV
5	2495.675	32.63	54.00	-21.37	18.19	14.44	AV
6	2500	32.36	54.00	-21.64	17.88	14.48	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Vertical	Temperature (°C)	22.0
Test Condition	2Mbps_Ch19_2.44G	Humidity (%RH)	55.0

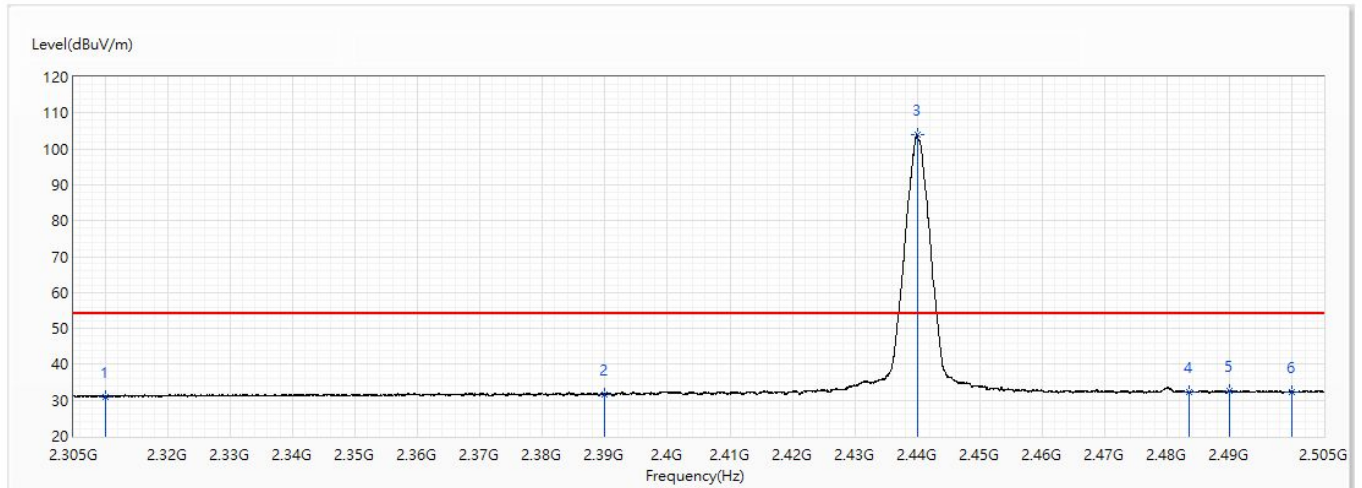


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	44.95	74.00	-29.05	31.80	13.15	PK
2	2390	43.31	74.00	-30.69	29.61	13.70	PK
! 3	2439.55	105.57	74.00	31.57	91.52	14.05	PK
4	2483.5	44.35	74.00	-29.65	29.99	14.36	PK
5	2489.575	46.29	74.00	-27.71	31.89	14.40	PK
6	2500	44.79	74.00	-29.21	30.31	14.48	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Vertical	Temperature (°C)	22.0
Test Condition	2Mbps_Ch19_2.44G	Humidity (%RH)	55.0

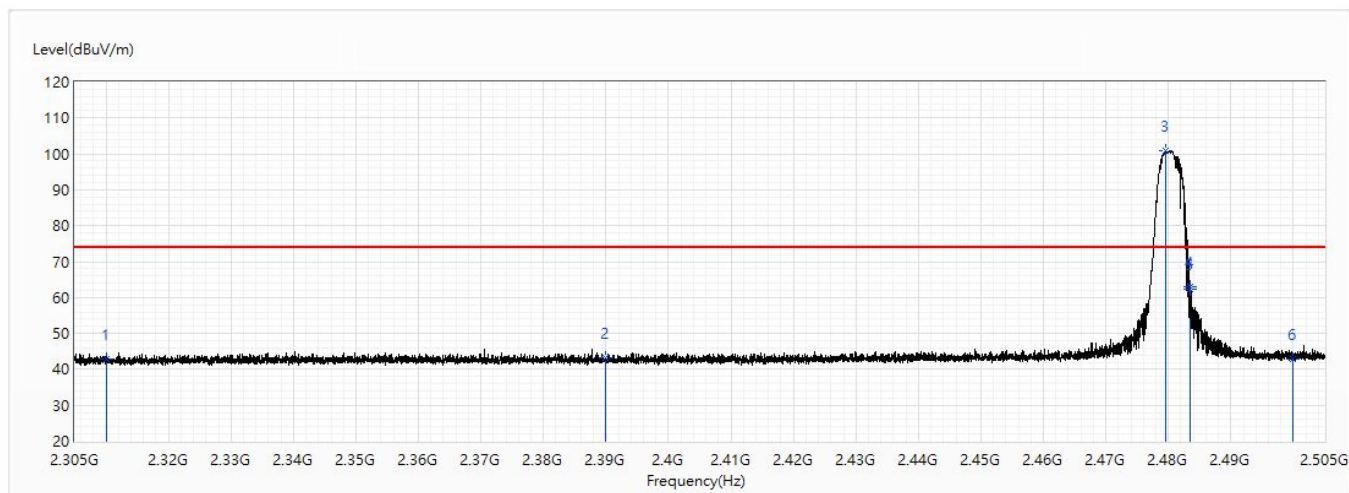


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	31.00	54.00	-23.00	17.85	13.15	AV
2	2390	31.77	54.00	-22.23	18.07	13.70	AV
! 3	2440	104.09	54.00	50.09	90.04	14.05	AV
4	2483.5	32.28	54.00	-21.72	17.92	14.36	AV
5	2490.025	32.67	54.00	-21.33	18.27	14.40	AV
6	2500	32.39	54.00	-21.61	17.91	14.48	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Horizontal	Temperature (°C)	22.0
Test Condition	2Mbps_Ch39_2.48G	Humidity (%RH)	55.0

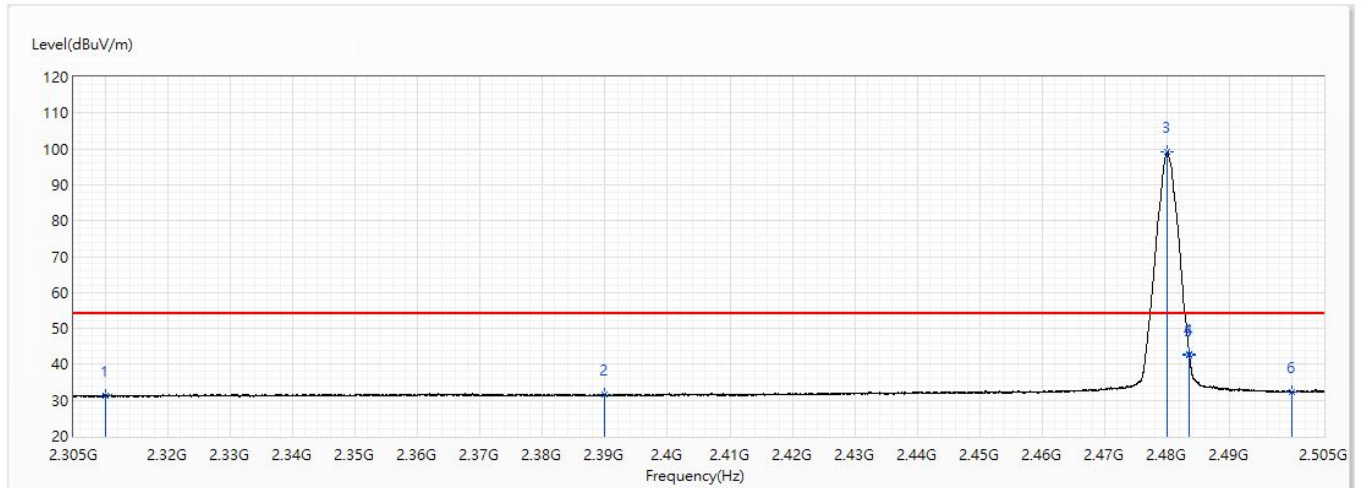


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	42.75	74.00	-31.25	29.60	13.15	PK
2	2390	43.26	74.00	-30.74	29.56	13.70	PK
! 3	2479.55	100.75	74.00	26.75	86.41	14.34	PK
4	2483.5	62.91	74.00	-11.09	48.55	14.36	PK
5	2483.525	62.47	74.00	-11.53	48.11	14.36	PK
6	2500	42.79	74.00	-31.21	28.31	14.48	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Horizontal	Temperature (°C)	22.0
Test Condition	2Mbps_Ch39_2.48G	Humidity (%RH)	55.0

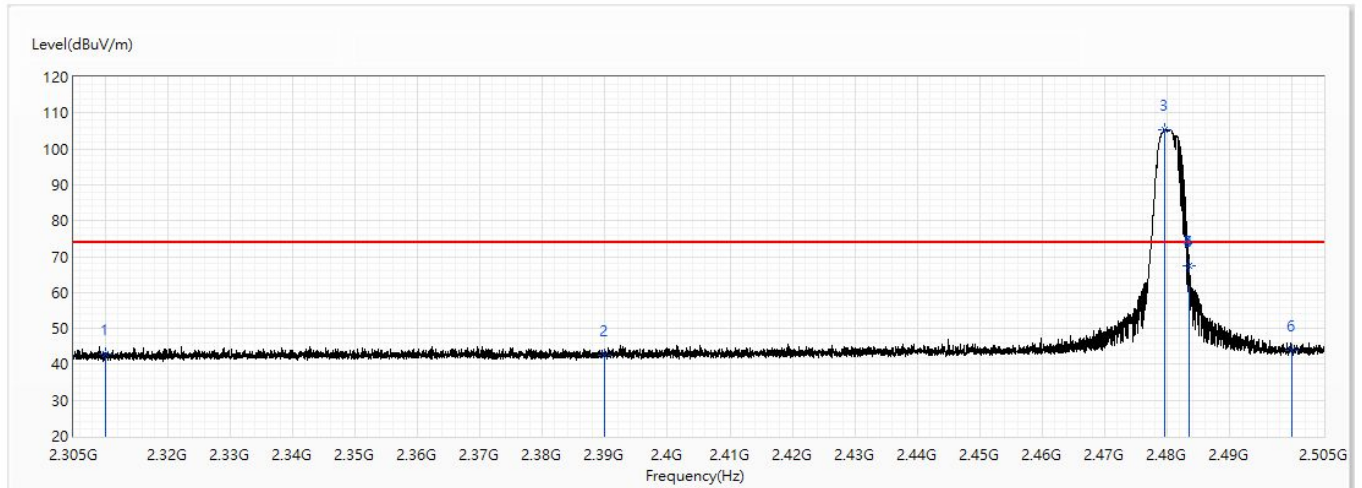


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	31.42	54.00	-22.58	18.27	13.15	AV
2	2390	31.47	54.00	-22.53	17.77	13.70	AV
! 3	2480	99.17	54.00	45.17	84.83	14.34	AV
4	2483.5	42.96	54.00	-11.04	28.60	14.36	AV
5	2483.525	42.40	54.00	-11.60	28.04	14.36	AV
6	2500	32.27	54.00	-21.73	17.79	14.48	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Vertical	Temperature (°C)	22.0
Test Condition	2Mbps_Ch39_2.48G	Humidity (%RH)	55.0

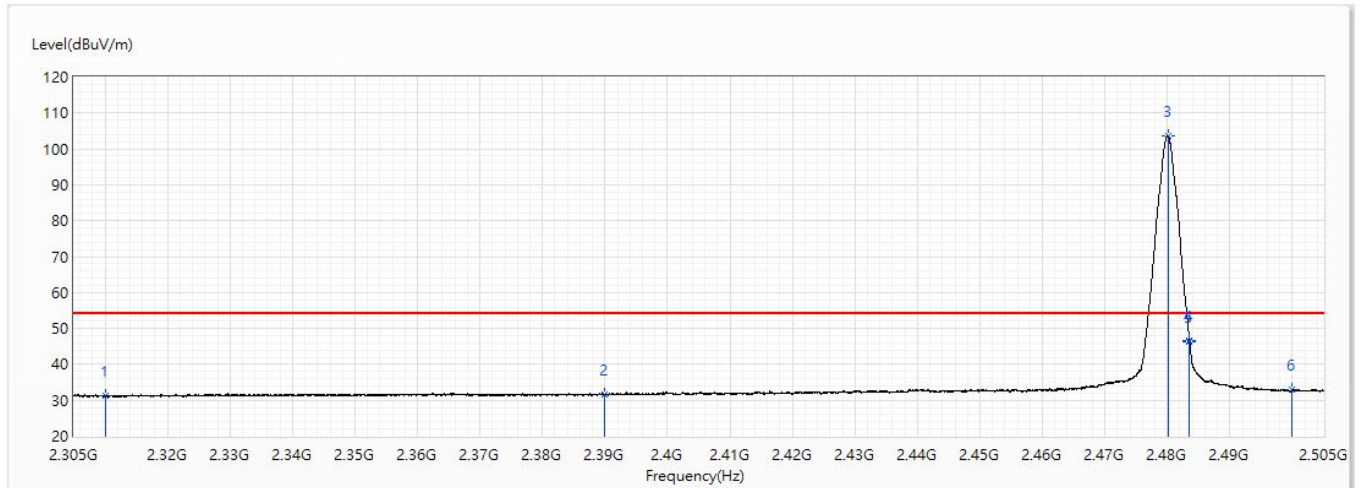


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	42.90	74.00	-31.10	29.75	13.15	PK
2	2390	42.58	74.00	-31.42	28.88	13.70	PK
! 3	2479.55	105.33	74.00	31.33	90.99	14.34	PK
4	2483.5	67.35	74.00	-6.65	52.99	14.36	PK
5	2483.525	67.30	74.00	-6.70	52.94	14.36	PK
6	2500	43.89	74.00	-30.11	29.41	14.48	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	VT-RT6M	Site	CB2-H
Test Voltage	DC 3.3V	Test Date	2020/9/9
Test Mode	Mode 1: Transmit	Engineer	Lion
Polarity	Vertical	Temperature (°C)	22.0
Test Condition	2Mbps_Ch39_2.48G	Humidity (%RH)	55.0



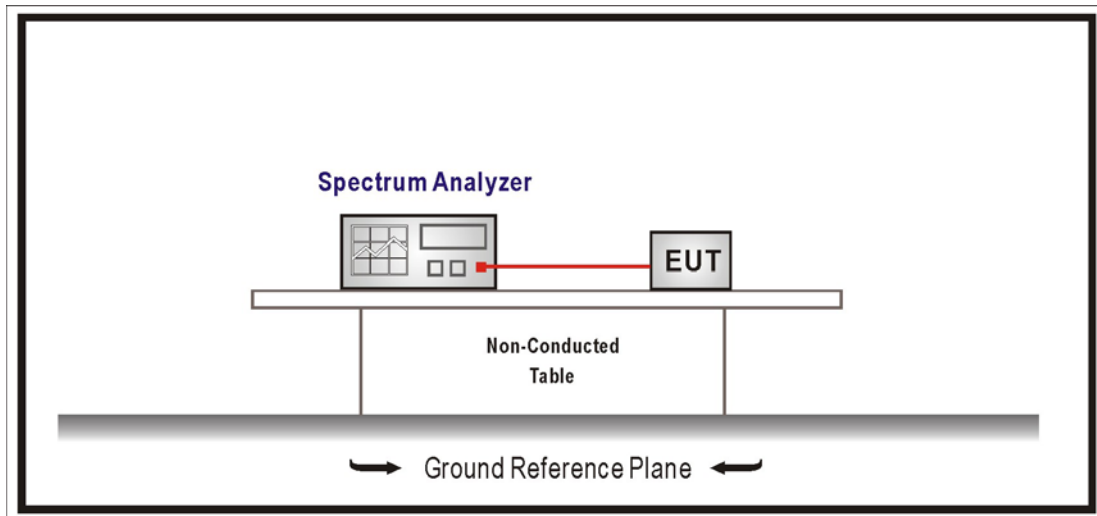
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	31.21	54.00	-22.79	18.06	13.15	AV
2	2390	31.49	54.00	-22.51	17.79	13.70	AV
! 3	2480.05	103.72	54.00	49.72	89.38	14.34	AV
4	2483.5	46.78	54.00	-7.22	32.42	14.36	AV
5	2483.525	46.28	54.00	-7.72	31.92	14.36	AV
6	2500	32.84	54.00	-21.16	18.36	14.48	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

7. Occupied Bandwidth & DTS Bandwidth

7.1. Test Setup



7.2. Limits

The 6 dB bandwidth: ≥ 500 kHz.

Occupied Bandwidth: NA

7.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074 D01V05r02 for compliance to FCC 47CFR 15.247 requirements.

7.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2019

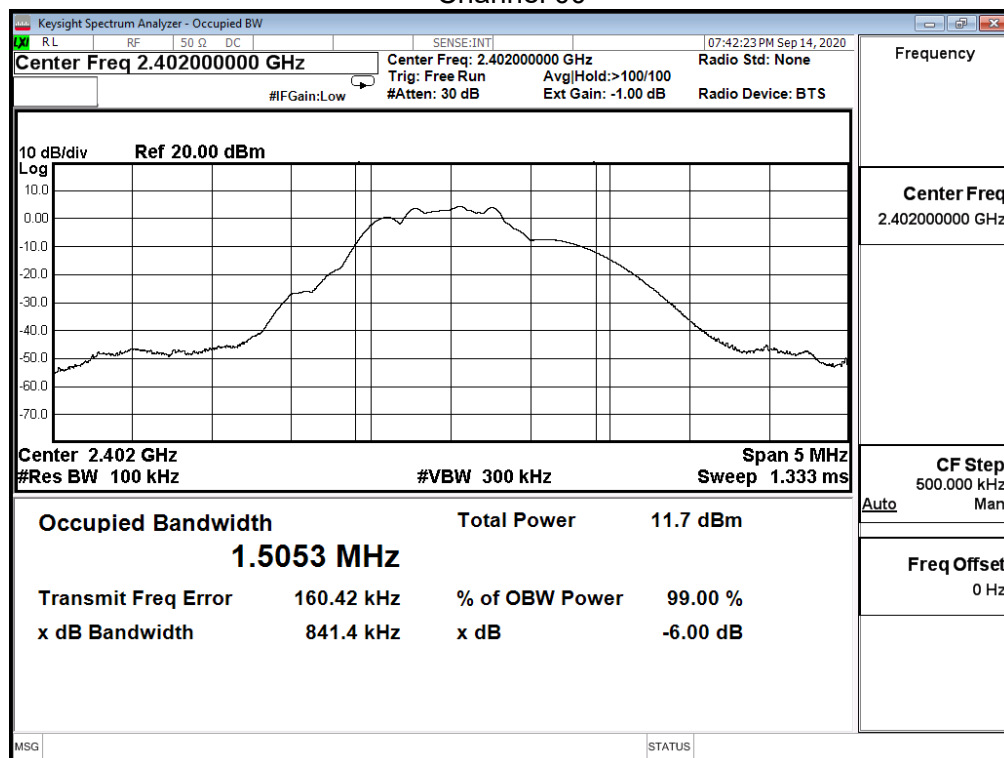
7.5. Test Result

Product	Bluetooth module		
Test Item	Occupied Bandwidth & DTS Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2020/09/14	Test Site	SR12-H
Temperature(°C)	22	Humidity (%RH)	67

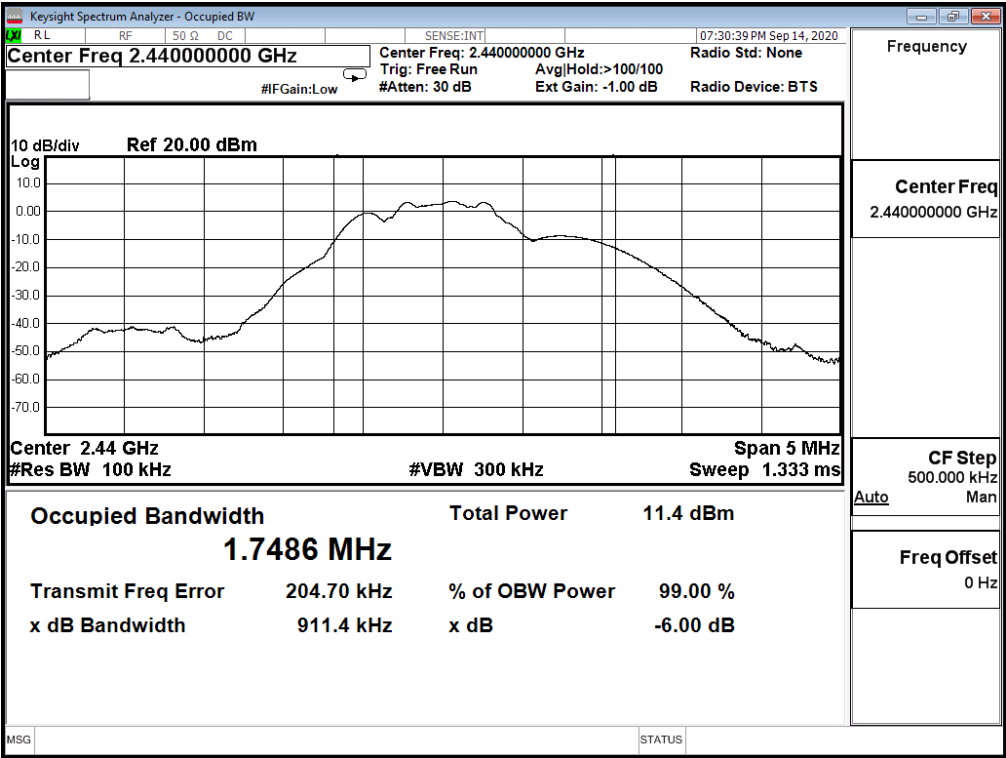
GFSK_1Mbps

Channel No.	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)	
		Occupied Bandwidth	DTS Bandwidth	Occupied Bandwidth	DTS Bandwidth
00	2402	1.505	0.841	--	≥500
19	2440	1.748	0.911	--	≥500
39	2480	1.878	0.927	--	≥500

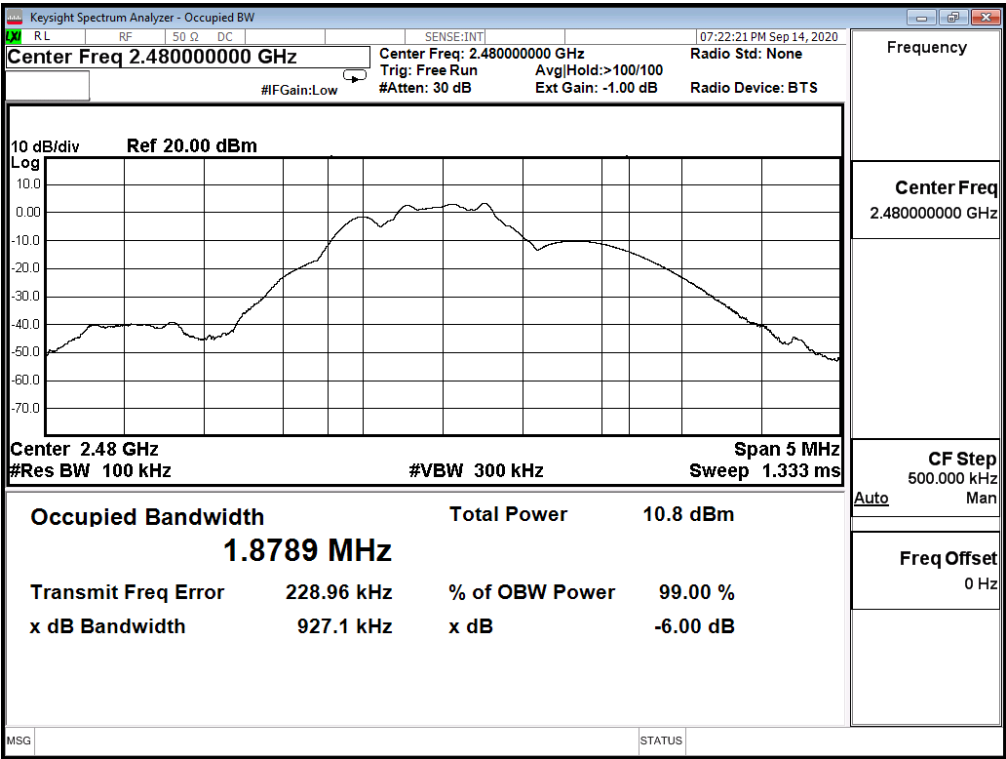
Channel 00



Channel 19



Channel 39

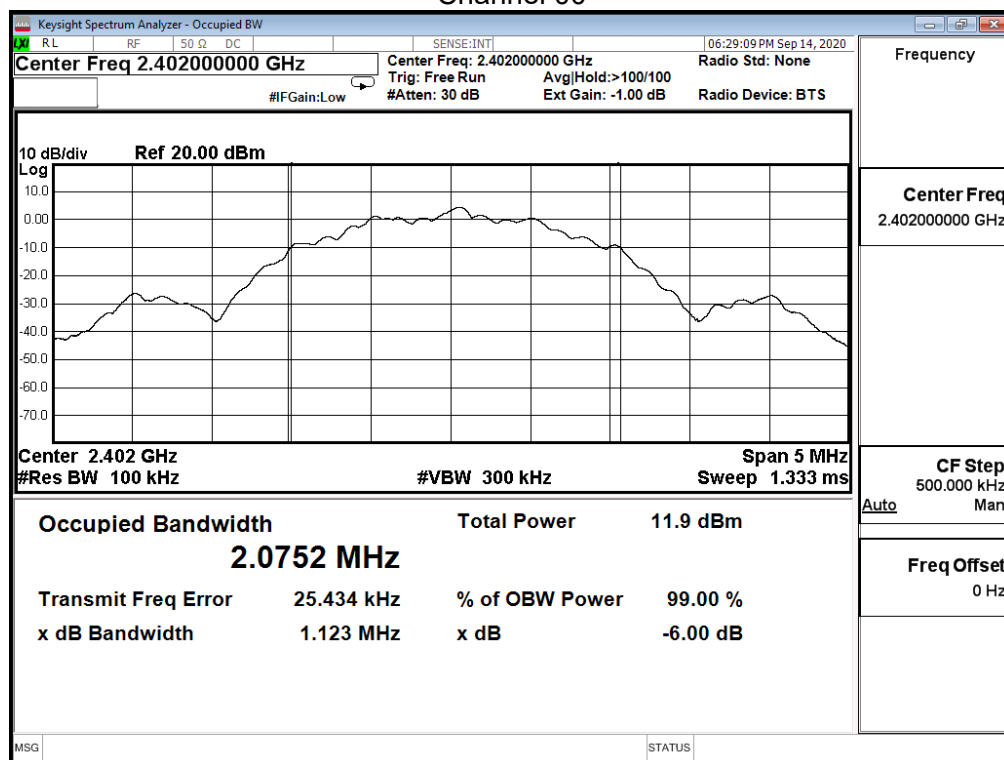


Product	Bluetooth module		
Test Item	Occupied Bandwidth & DTS Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2020/09/14	Test Site	SR12-H
Temperature(°C)	22	Humidity (%RH)	67

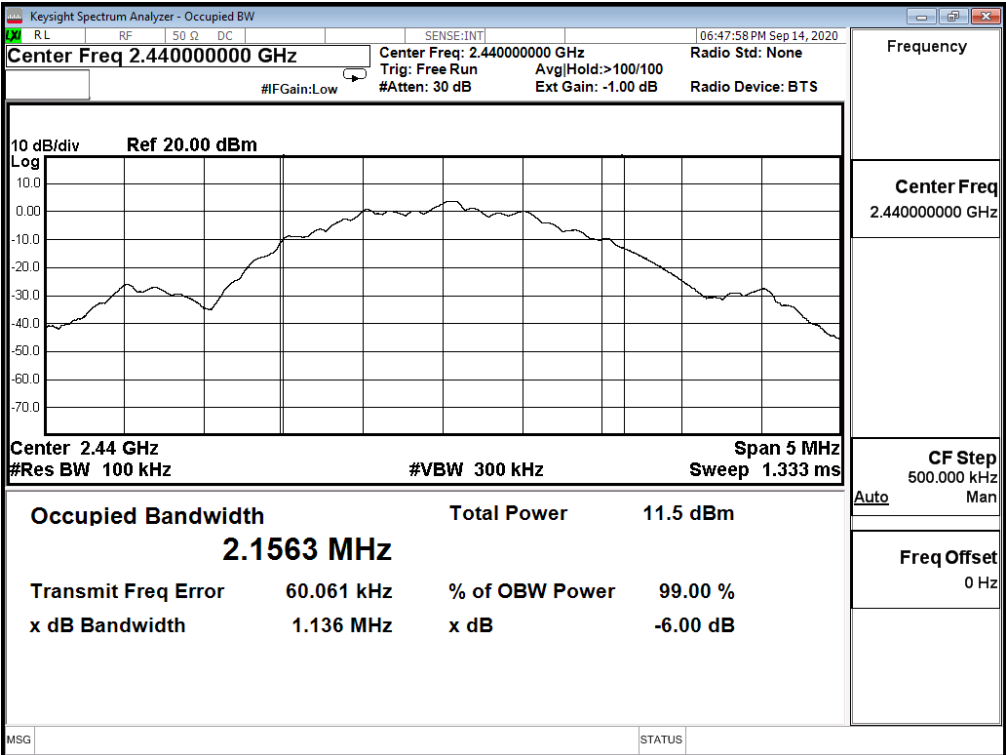
GFSK_2Mbps

Channel No.	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)	
		Occupied Bandwidth	DTS Bandwidth	Occupied Bandwidth	DTS Bandwidth
00	2402	2.075	1.123	--	≥500
19	2440	2.156	1.136	--	≥500
39	2480	2.249	1.169	--	≥500

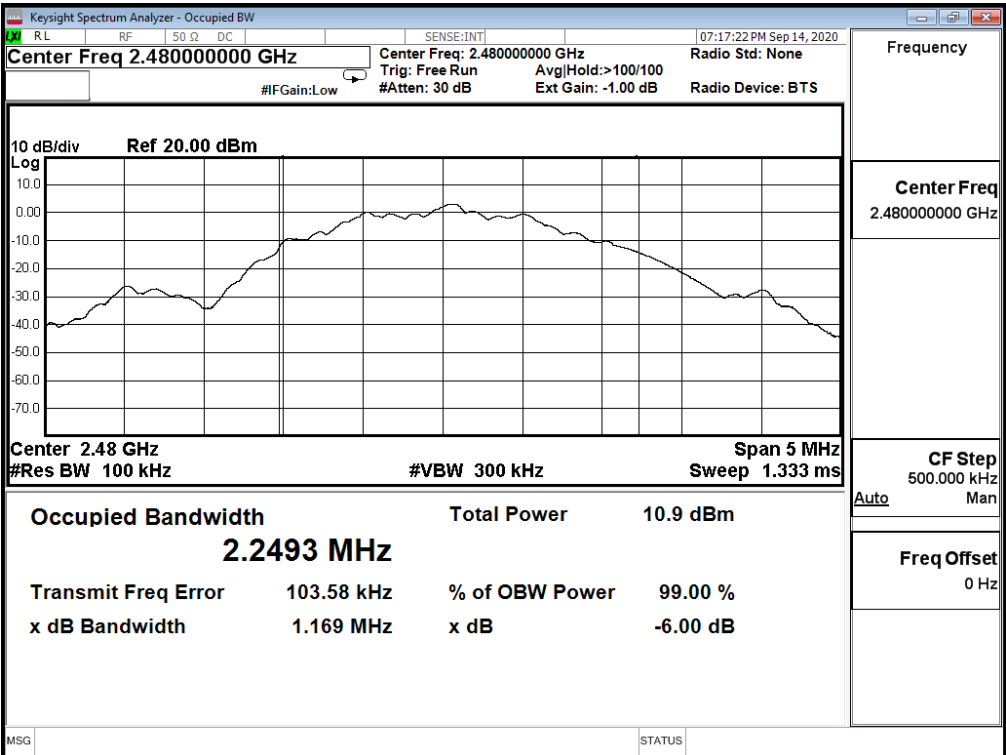
Channel 00



Channel 19

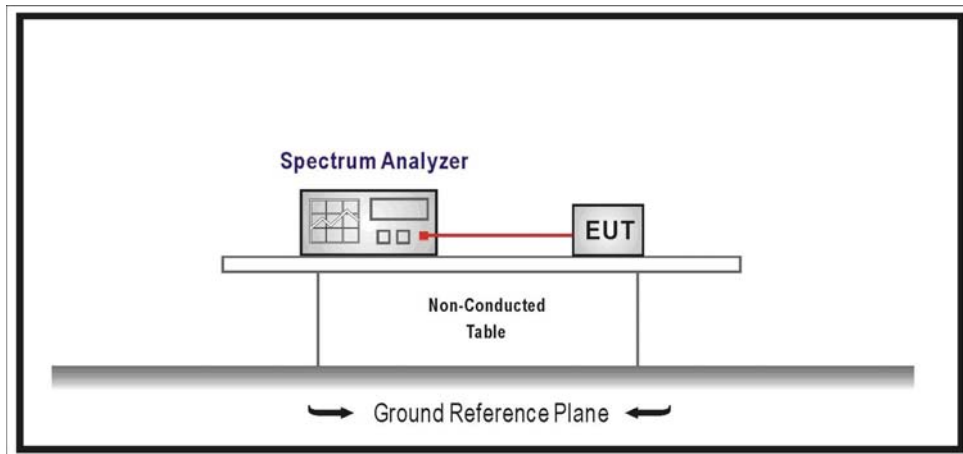


Channel 39



8. Power Density

8.1. Test Setup



8.2. Limits

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8dBm in any 3kHz band during any time interval of continuous transmission.

8.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074 D01V05r02 for compliance to FCC 47CFR 15.247 requirements.

8.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247

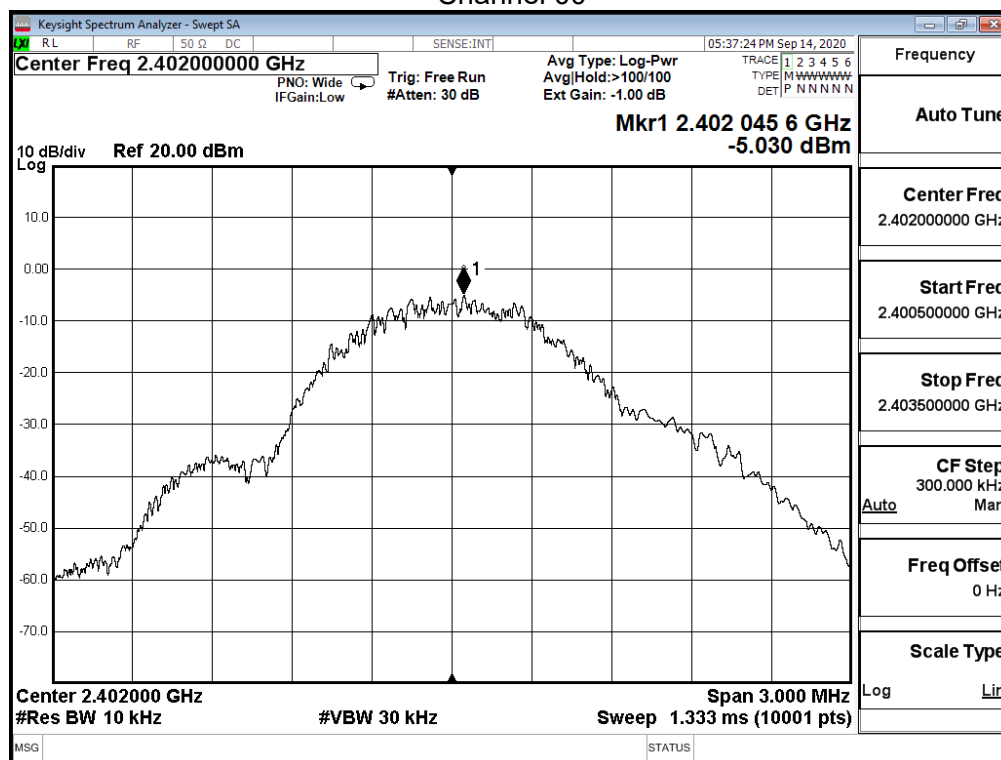
8.5. Test Result

Product	Bluetooth module		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2020/09/14	Test Site	SR12-H
Temperature(°C)	22	Humidity (%RH)	67

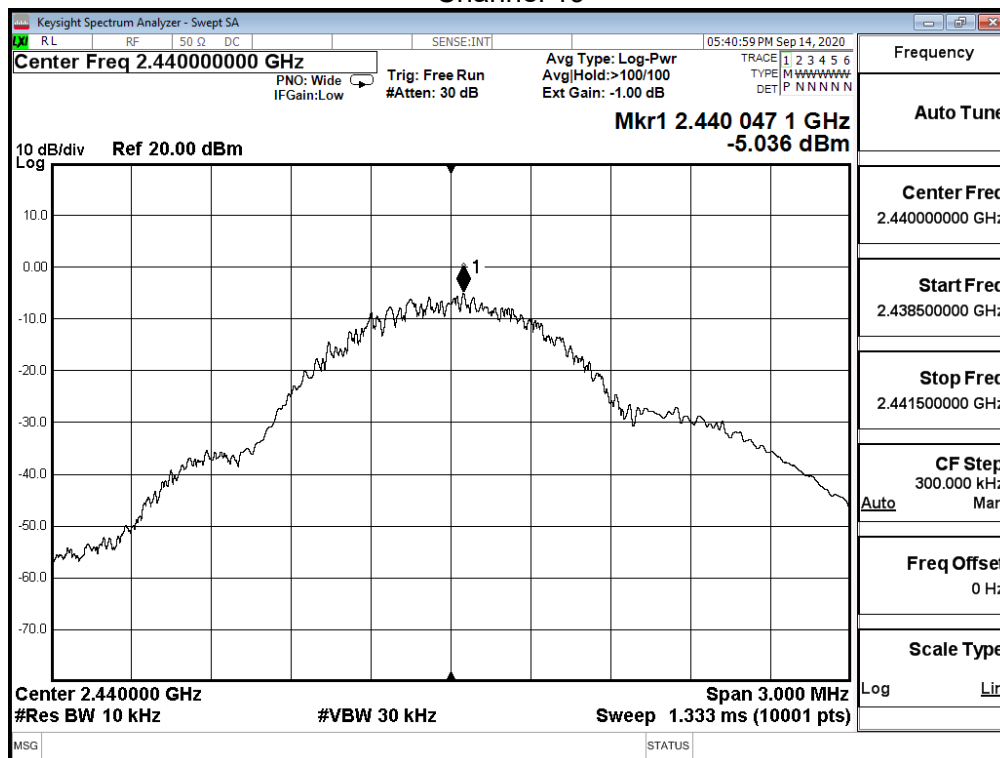
GFSK_1Mbps

Channel No.	Frequency (MHz)	Measure Value (dBm/RBW)	Limit (dBm/3kHz)
0	2402	-5.030	≤ 8.000
19	2440	-5.036	≤ 8.000
39	2480	-6.143	≤ 8.000

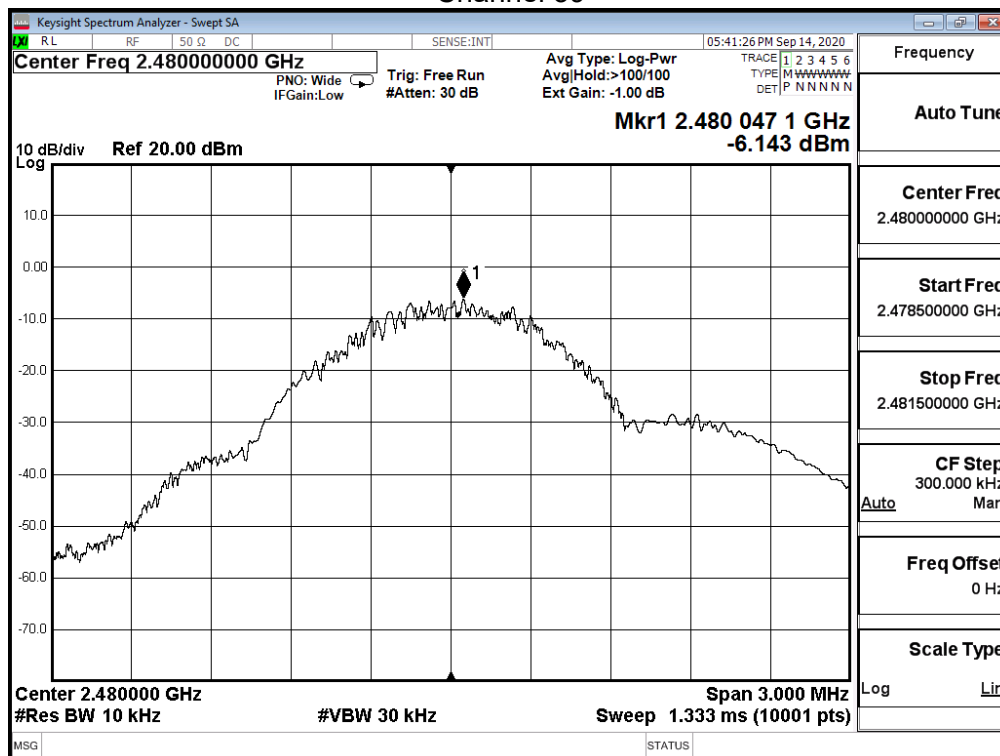
Channel 00



Channel 19



Channel 39

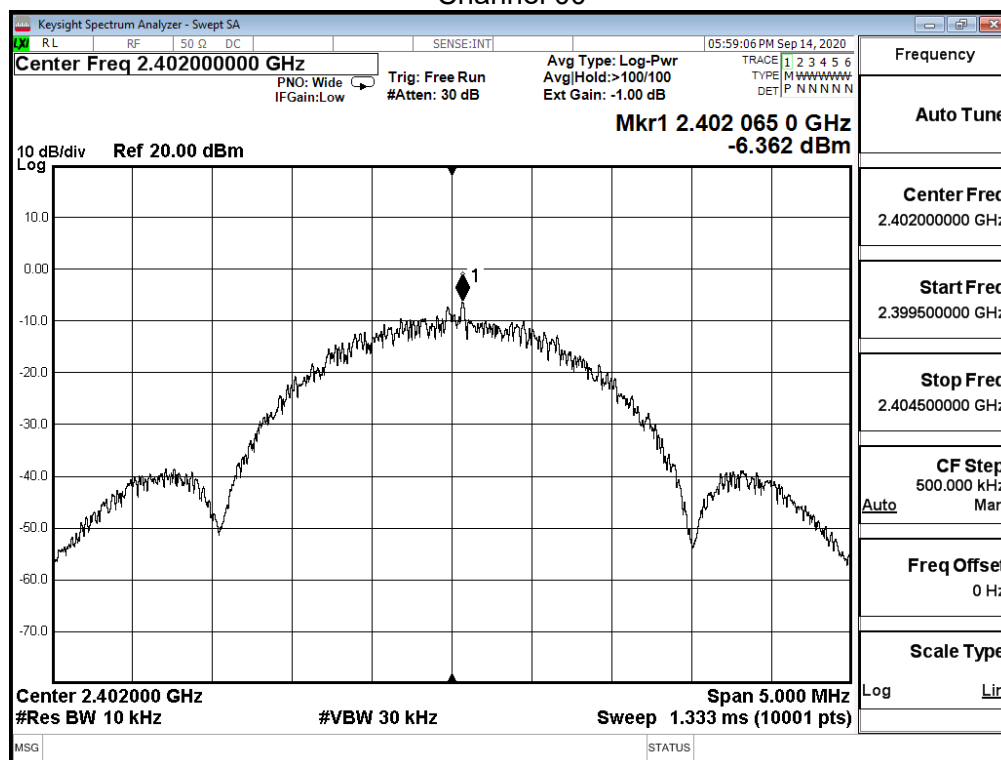


Product	Bluetooth module		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2020/09/14	Test Site	SR12-H
Temperature(°C)	22	Humidity (%RH)	67

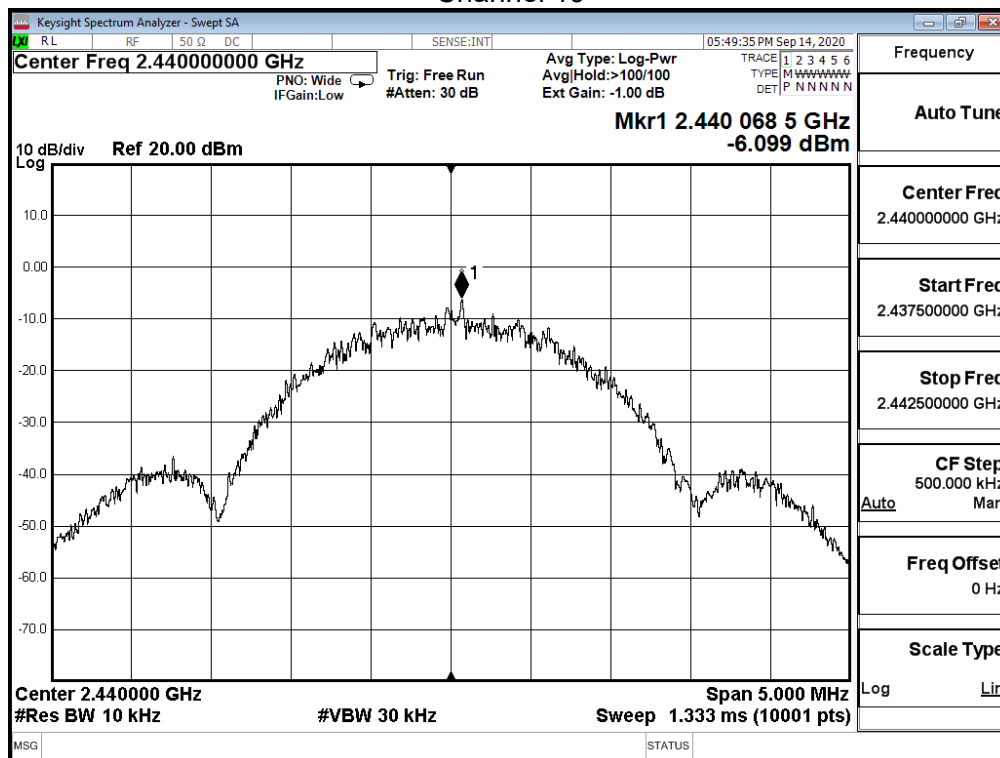
GFSK_2Mbps

Channel No.	Frequency (MHz)	Measure Value (dBm/RBW)	Limit (dBm/3kHz)
0	2402	-6.362	≤ 8.000
19	2440	-6.099	≤ 8.000
39	2480	-7.424	≤ 8.000

Channel 00



Channel 19



Channel 39

