KSIGN®
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TEST REPORT

Report No. :	**KS2011S02121E**
FCC ID :	**2AO94-MK08**
Applicant :	**MOKO TECHNOLOGY LIMITED**
Address :	2F, Building1,No.37 Xiaxintang Xintang village,Fucheng Street, Longhua District,Shenzhen,Guangdong Province,China
Manufacturer :	MOKO TECHNOLOHY Ltd
Address :	2F, Building1, No. 37 Xiaxintang Xintang village, Fucheng Street, Longhua District, Shenzhen, Guangdong Province, China
Factory :	MOKO TECHNOLOHY Ltd
Address :	2F, Building1, No. 37 Xiaxintang Xintang village, Fucheng Street, Longhua District, Shenzhen, Guangdong Province, China
Product Name :	**Bluetooth Low Energy Module**
Trade Mark :	/
Model/Type reference :	MK08A
Listed Model(s) :	MK08B
Standard :	**FCC CFR Title 47 Part 15 Subpart C Section 15.247**
Date of Receipt :	Nov. 26, 2020
Date of Test Date :	Nov. 26, 2020-Dec. 21, 2020
Date of issue :	Dec. 21, 2020
Test result :	**Pass**

Compiled by: (Printed name+signature)	Rory Huang	Rory Huang
Supervised by: (Printed name+signature)	Eder Zhan	Eder Zhan
Approved by: (Printed name+signature)	Cary Luo	Cary Luo

KSIGN(Guangdong) Testing Co., Ltd. APPROVED

Testing Laboratory Name :	**KSIGN(Guangdong) Testing Co., Ltd.**
Address :	West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu,Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, People's Republic of China

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1. TEST SUMMARY

1.1. Test Standards

The tests were performed according to following standards:

FCC Rules Part 15.247: Operation within the bands of 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz.

KDB 558074 D01：The measurement guidance provided herein is applicable only to Digital Transmission System (DTS) devices operating in the 902-928 MHz. 2400-2483.5 MHz and/or 5725-5850 MHz bands under § 15.247 of the FCC rules (Title 47 of the Code of Federal Regulations).

ANSI C63.10-2013: American National Standard for Testing Unlicensed Wireless Devices.

1.2. Report version

Revised No.	Date of issue	Description
01	Dec. 21, 2020	Original

1.3. Test Description

FCC Part 15 Subpart C(15.247)			
Test Item	Standard Section	Result	Test Engineer
	FCC		
Antenna Requirement	15.203	Pass	Rory Huang
Conducted Emission	15.207	Pass	Rory Huang
Restricted Bands	15.205	Pass	Rory Huang
Peak Output Power	15.247(b)	Pass	Rory Huang
Band Edge Emissions	15.247(d)	Pass	Rory Huang
Power Spectral Density	15.247(e)	Pass	Rory Huang
Radiated Emission	15.205&15.209	Pass	Rory Huang
6dB Bandwidth	15.247(a)(2)	Pass	Rory Huang
Spurious RF Conducted Emission	15.247(d)	Pass	Rory Huang

Note:

1. The measurement uncertainty is not included in the test result.
2. The Two models have been tested, only the worst test model MK08A data is recorded in the report.

1.4. Test Facility

Address of the report laboratory

KSIGN(Guangdong) Testing Co., Ltd.

West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu,Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, People's Republic of China

Laboratory accreditation

The test facility is recognized, certified, or accredited by the following organizations:

CNAS-Lab Code: L13261
KSIGN(Guangdong) Testing Co., Ltd. has been assessed and proved to be in Compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC17025: 2017 General Requirements) for the Competence of Testing and Calibration Laboratories.

A2LA-Lab Cert. No.: 5457.01
KSIGN(Guangdong) Testing Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

IC Registration No.: CN0096
The 3m alternate test site of KSIGN(Guangdong) Testing Co., Ltd. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: CN0096

FCC-Registration No.: CN1272

KSIGN(Guangdong) Testing Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

1.5. Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01" Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 2 " and is documented in the KSIGN(Guangdong) Testing Co., Ltd. system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device. Below is the best measurement capability for KSIGN(Guangdong) Testing Co., Ltd.

Test Items	Measurement Uncertainty	Notes
Transmitter power conducted	0.42 dB	(1)
Transmitter power Radiated	2.14 dB	(1)
Conducted spurious emissions 9kHz~40GHz	1.60 dB	(1)
Radiated spurious emissions 9kHz~40GHz	2.20 dB	(1)
Conducted Emissions 9kHz~30MHz	3.20 dB	(1)
Radiated Emissions 30~1000MHz	4.70 dB	(1)
Radiated Emissions 1~18GHz	5.00 dB	(1)
Radiated Emissions 18~40GHz	5.54 dB	(1)
Occupied Bandwidth	2.80 dB	(1)

Note (1): This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

1.6. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15~35°C
Relative Humidity:	30~60 %
Air Pressure:	950~1050mba

2. GENERAL INFORMATION

2.1. General Description of EUT

Test Sample Number 1:	1-1-1(Normal Sample),1-1-2(Engineering Sample）For MK08A
Test Sample Number 2:	1-1-3(Normal Sample),1-1-4(Engineering Sample）For MK08B
Product Name:	Bluetooth Low Energy Module
Model/Type reference:	MK08A
Marketing Name:	/
Listed Model(s):	MK08B
Model Difference:	The difference between product models only depends and the model naming,Type of antenna is different. Other power supply methods, safety structure and key components are the same, which do not affect the safety and electromagnetic compatibility performance.
Power supply(Work)	Input:DC 3.3V
Hardware version:	V1.0
Software version:	V1.0.0
Bluetooth V5.0	
Modulation:	GFSK
Operation frequency:	2402MHz~2480MHz
Max Peak Output Power:	-0.43dBm
Channel number:	40
Channel separation:	2MHz
Antenna type:	PCB Antenna for MK08A External FPC Antenna for MK08B
Antenna gain:	0.7dBi for MK08A Max.2.0dBi for MK08B

2.2. Operation state

Operation Frequency List: The EUT has been tested under typical operating condition. The Applicant provides communication tools software to control the EUT for staying in continuous transmitting and receiving mode for testing. BT BLE, 40 channels are provided to the EUT. Channels 00/19/39 were selected for testing.

Operation Frequency List:

Channel	Frequency (MHz)
00	**2402**
01	2404
⋮	⋮
19	**2440**
20	2442
21	2444
⋮	⋮
38	2478
39	**2480**

Note: The display in grey were the channel selected for testing.

Test mode

For RF test items:
The engineering test program was provided and enabled to make EUT continuous transmit.
For AC power line conducted emissions:
The EUT was set to connect with the Bluetooth instrument under large package sizes transmission.
For Radiated spurious emissions test item:
The engineering test program was provided and enabled to make EUT continuous transmit. The EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

2.3. Measurement Instruments List

Tonscend JS0806-2 Test system					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
1	Spectrum Analyzer	R&S	FSV40-N	101798	04/07/2021
2	Vector Signal Generator	Agilent	N5182A	MY50142520	04/07/2021
3	Analog Signal Generator	HP	83752A	3344A00337	04/07/2021
4	Power Sensor	Agilent	E9304A	MY50390009	04/07/2021
5	Power Sensor	Agilent	E9300A	MY41498315	04/07/2021
6	Wideband Radio Communication Tester	R&S	CMW500	157282	04/07/2021
7	Climate Chamber	Angul	AGNH80L	1903042120	04/07/2021
8	Dual Output DC Power Supply	Agilent	E3646A	MY40009992	04/07/2021
9	RF Control Unit	Tonscend	JS0806-2	/	04/07/2021

Transmitter spurious emissions & Receiver spurious emissions					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
1	EMI Test Receiver	R&S	ESR	102525	04/07/2021
2	High Pass Filter	Chengdu E-Microwave	OHF-3-18-S	0E01901038	03/27/2021
3	High Pass Filter	Chengdu E-Microwave	OHF-6.5-18-S	0E01901039	03/27/2021
4	Spectrum Analyzer	HP	8593E	3831U02087	04/07/2021
5	Ultra-Broadband logarithmic period Antenna	Schwarzbeck	VULB 9163	01230	03/29/2023
6	Loop Antenna	Beijin ZHINAN	ZN30900C	18050	03/25/2021
7	Spectrum Analyzer	R&S	FSV40-N	101798	04/07/2021
8	Horn Antenna	Schwarzbeck	BBHA 9120 D	2023	03/29/2023
9	Pre-Amplifier	Schwarzbeck	BBV 9745	9745#129	04/07/2021
10	Pre-Amplifier	EMCI	EMC051835SE	980662	04/07/2021

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
1	LISN	R&S	ENV432	1326.6105.02	03/27/2021
2	EMI Test Receiver	R&S	ESR	102524	04/07/2021
3	Manual RF Switch	JS TOYO	/	MSW-01/002	04/07/2021

Note:
1)The Cal. Interval was one year.
2)The cable loss has calculated in test result which connection between each test instruments.

2.5. Test Software

Software name	Model	Version
Conducted emission Measurement Software	EZ-EMC	EMC-Con 3A1.1
Radiated emission Measurement Software	EZ-EMC	FA-03A.2.RE
Bluetooth and WIFI Test System	JS1120-3	2.5.77.0418

3. TEST ITEM AND RESULTS

3.1. Antenna requirement

Requirement

FCC CFR Title 47 Part 15 Subpart C Section 15.203:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1)(i):

(i) Systems operating in the 2400~2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

Test Result

The directional gain of the antenna less than 6dBi, please refer to the EUT internal photographs antenna photo.

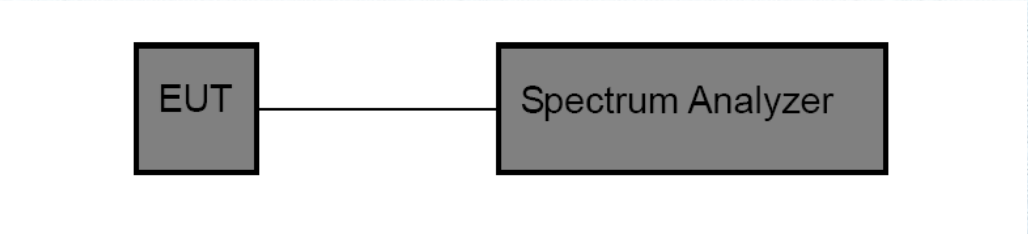
Note: The antenna is permanently fixed to the EUT

3.2. 6dB Bandwidth

Limit

Test Item	Limit	Frequency Range(MHz)
Bandwidth	>=500 KHz (6dB bandwidth)	2400~2483.5

Test Configuration



Test Procedure

1. Connect EUT RF Output port to the Spectrum Analyzer through an RF attenuator.

2. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.
3. The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission.
4. Spectrum Setting:
   6dB bandwidth:
   (1) Set RBW = 100 kHz.
   (2) Set the video bandwidth (VBW) =3 RBW.
   (3) Detector = Peak.
   (4) Trace mode = Max hold.
   (5) Sweep = Auto couple.
   (6) Allow the trace to stabilize.
   (7) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

NOTE: The EUT was set to continuously transmitting in each mode and low, Middle and high channel for the test.

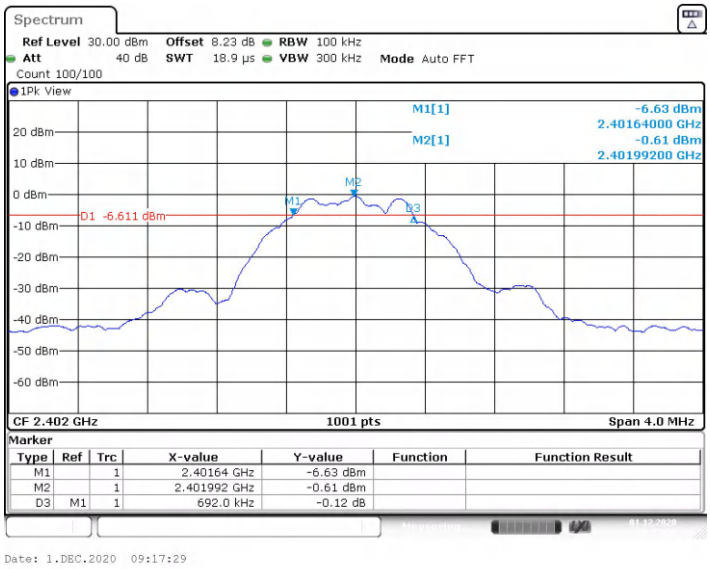
Test Mode

Please refer to the clause 2.3.

Test Results

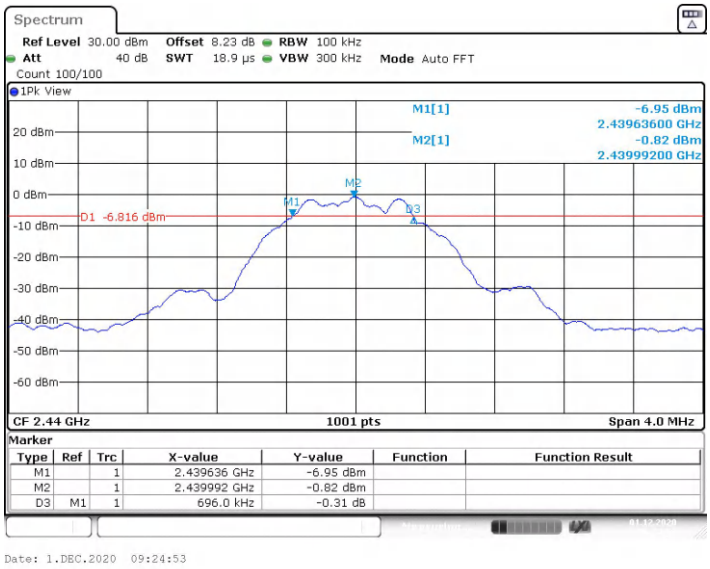
GFSK_1M

Test Mode:	BLE Mode	
Channel frequency (MHz)	**6dB Bandwidth (kHz)**	**Limit (kHz)**
2402	692	≧500
2440	696	
2480	696	
BLE Mode		
2402 MHz		



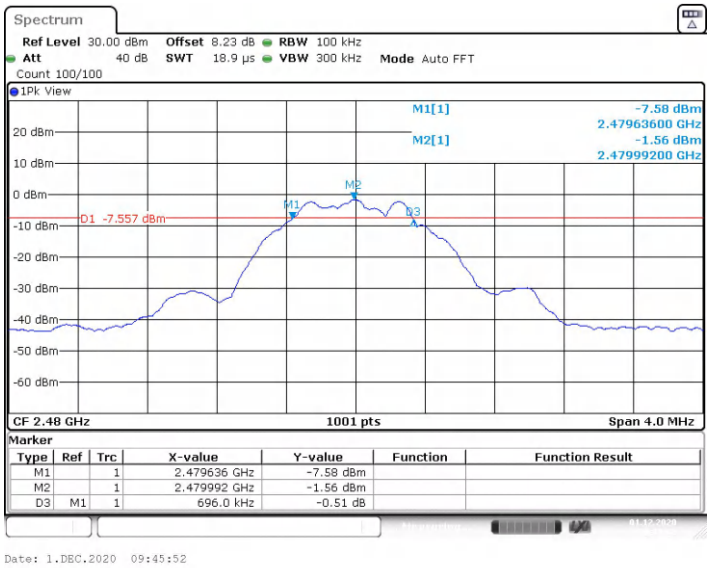
BLE Mode

2440 MHz



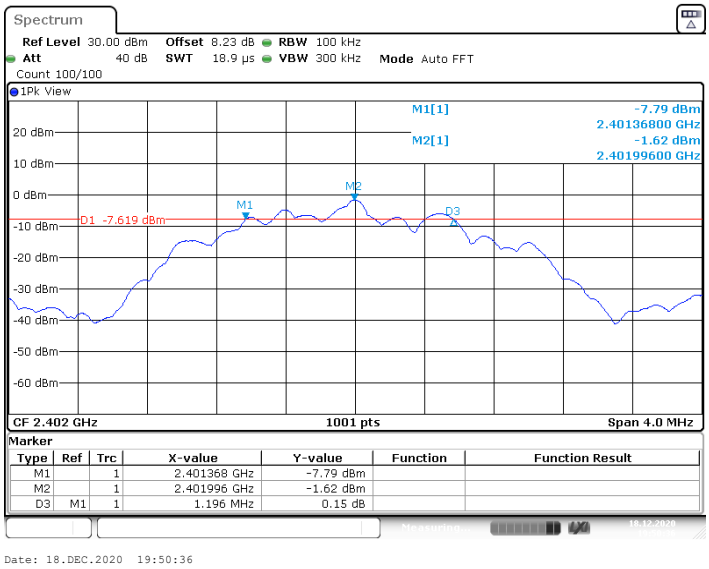
BLE Mode

2480 MHz

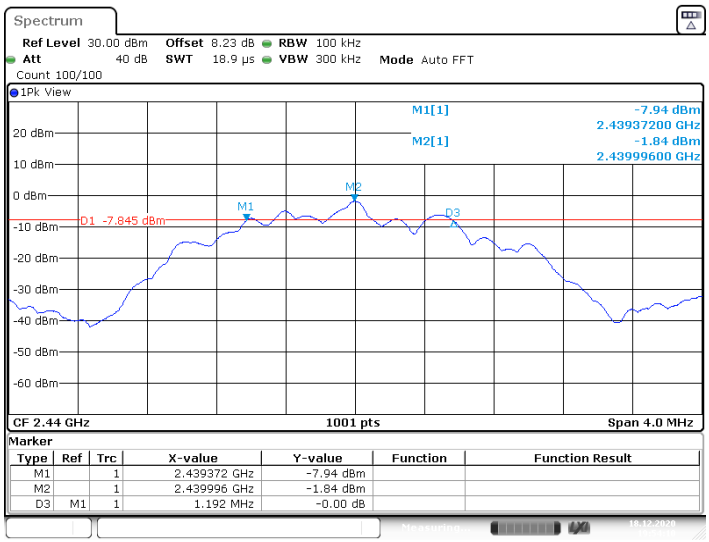


GFSK_2M

Test Mode:	BLE Mode	
Channel frequency (MHz)	**6dB Bandwidth (kHz)**	**Limit (kHz)**
2402	1.196	≧500
2440	1.192	
2480	1.196	
BLE Mode		
2402 MHz		



2440 MHz



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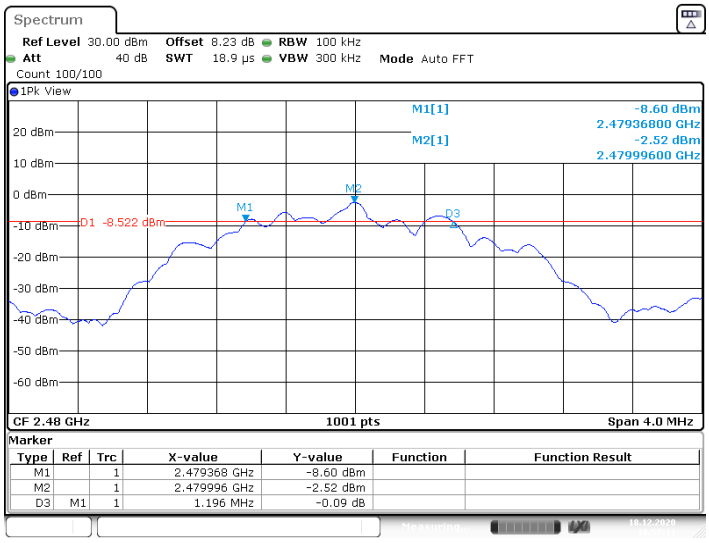
2480 MHz



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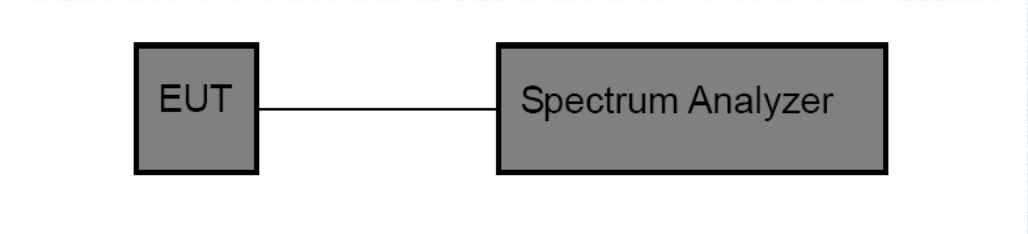
3.3. Peak Output Power

Limit

Test Item	Limit	Frequency Range(MHz)
Peak Output Power	1 Watt or 30 dBm	2400~2483.5

Test Configuration



Test Procedure

1. Connect EUT RF Output port to the Spectrum Analyzer through an RF attenuator..
2. Spectrum Setting:
Peak Detector: RBW≥DTS Bandwidth, VBW≥3*RBW.
Sweep time=Auto.
Detector= Peak.
Trace mode= Maxhold.
Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

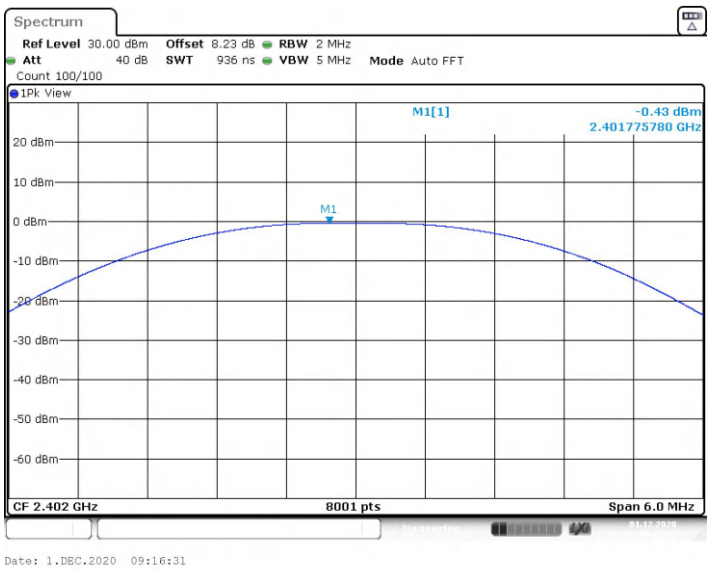
Test Mode

Please refer to the clause 2.3.

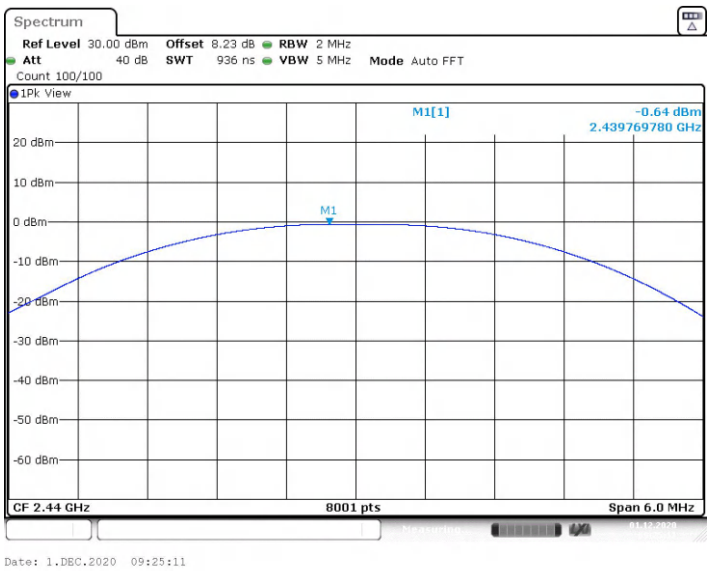
Test Result

GFSK_1M

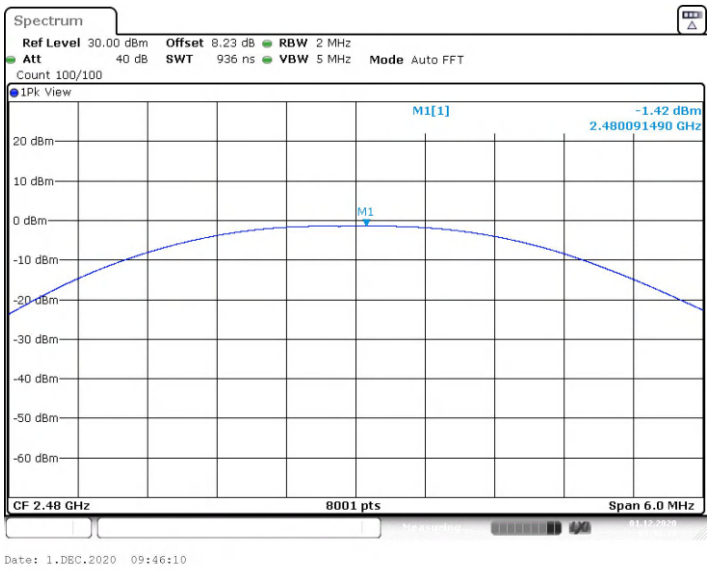
Test Mode:	BLE Mode	
Channel frequency (MHz)	**Test Result (dBm)**	**Limit (dBm)**
2402	-0.43	**30**
2440	-0.64	
2480	-1.42	
BLE Mode		
2402 MHz		



BLE Mode
2440 MHz

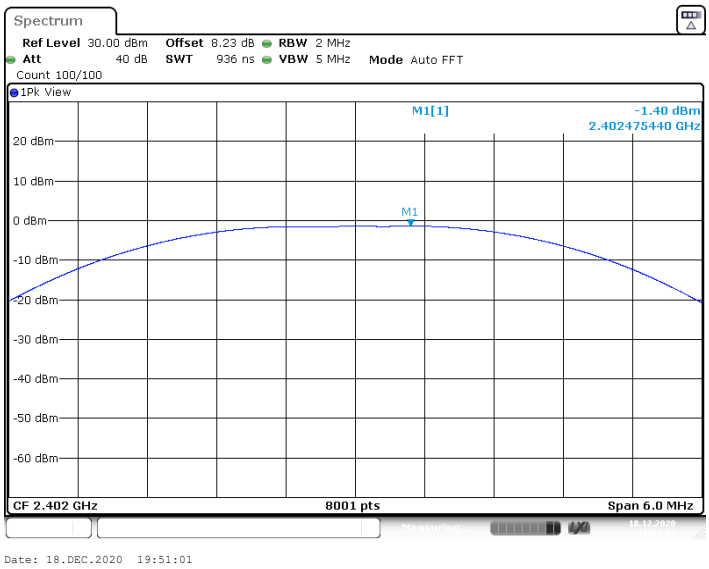


BLE Mode
2480 MHz

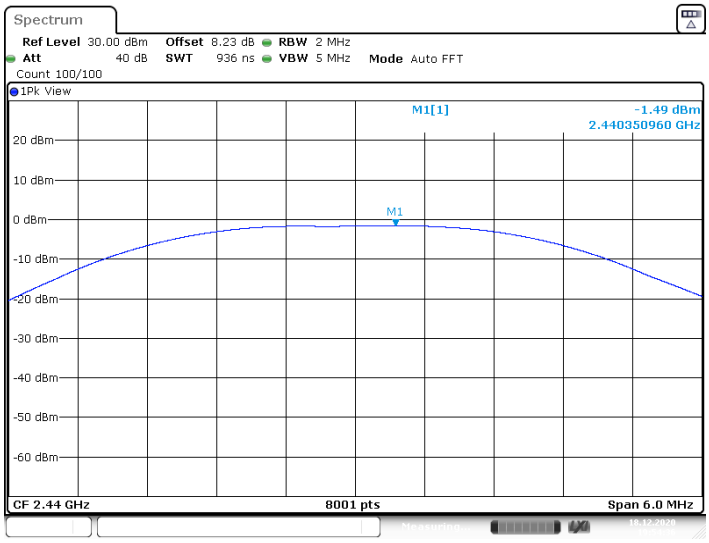


GFSK_2M

Test Mode:	BLE Mode	
Channel frequency (MHz)	**Test Result (dBm)**	**Limit (dBm)**
2402	-1.40	**30**
2440	-1.49	
2480	-2.34	
BLE Mode		
2402 MHz		



2440 MHz



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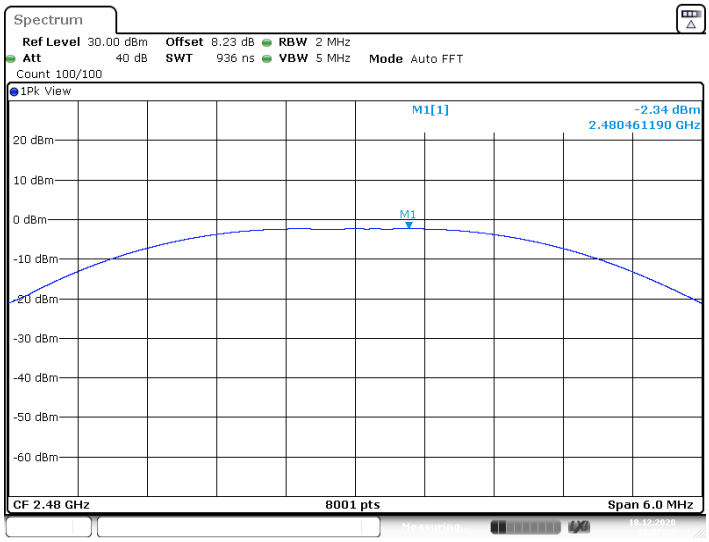
2480 MHz



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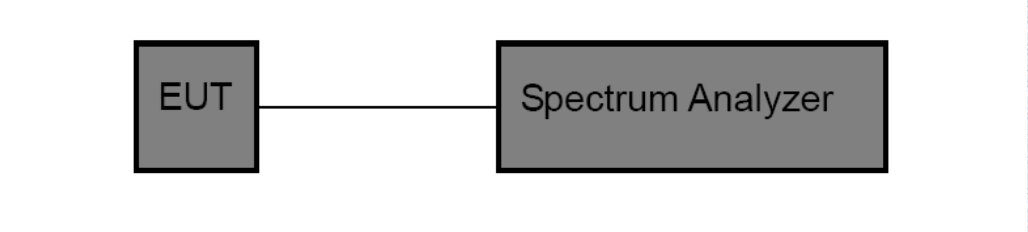
3.4. Power Spectral Density

Limit

FCC Part 15 Subpart C(15.247)		
Test Item	**Limit**	**Frequency Range(MHz)**
Power Spectral Density	8dBm(in any 3 kHz)	2400~2483.5

Test Configuration



Test Procedure

1. Connect EUT RF Output port to the Spectrum Analyzer through an RF attenuator.

2. The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v04.

3. Spectrum Setting:

Set analyser center frequency to DTS channel center frequency.
Set the span to 1.5 times the DTS bandwidth.
Set the RBW to: 10 kHz
Set the VBW to: 30 kHz
Detector: peak
Sweep time: auto
Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

Test Mode

Please refer to the clause 2.3.

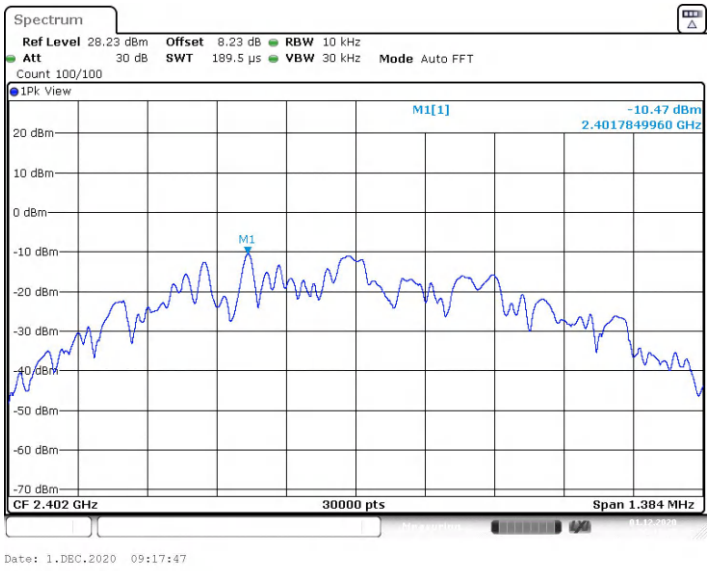
Test Result

Note:

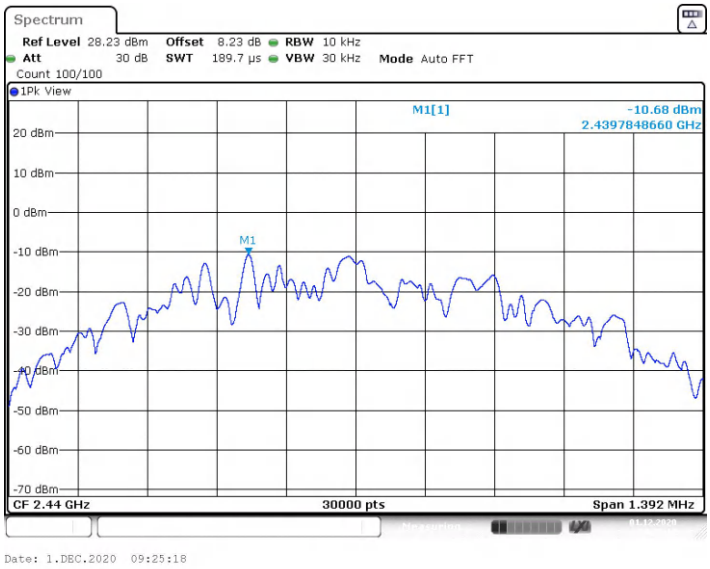
Power Density(dBm/3kHz)=Power Density(dBm/10kHz)-10*Log(10/3)

GFSK_1M

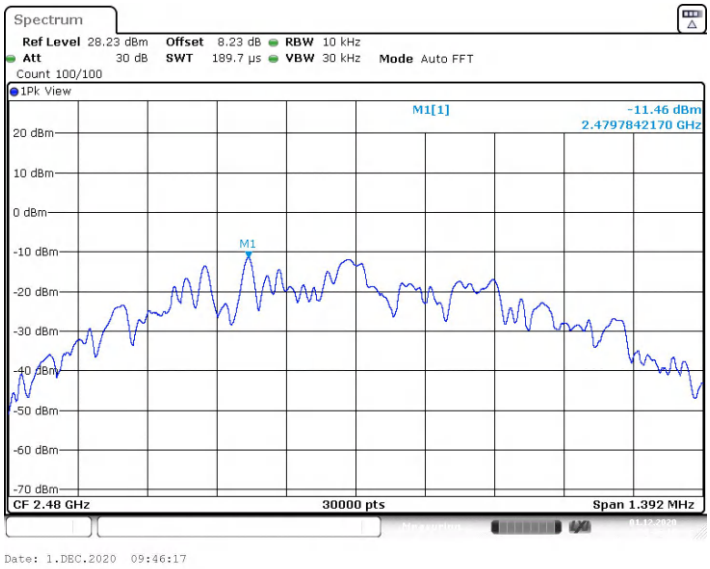
Test Mode:	BLE Mode		
Channel Frequency (MHz)	**Power Density (dBm/10kHz)**	**Power Density (dBm/3kHz)**	**Limit (dBm)**
2402	-10.47	-15.70	8dBm/3kHz
2440	-10.68	-15.91	
2480	-11.46	-16.69	
BLE Mode			
2402 MHz			



BLE Mode
2440 MHz

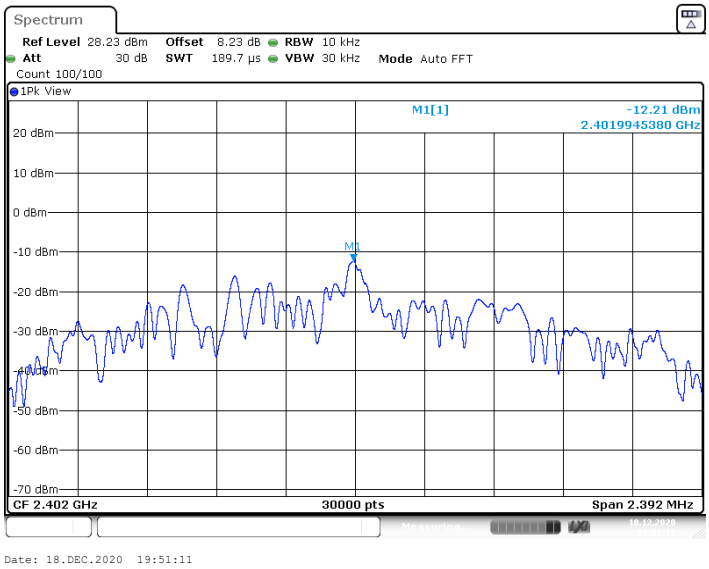


BLE Mode
2480 MHz

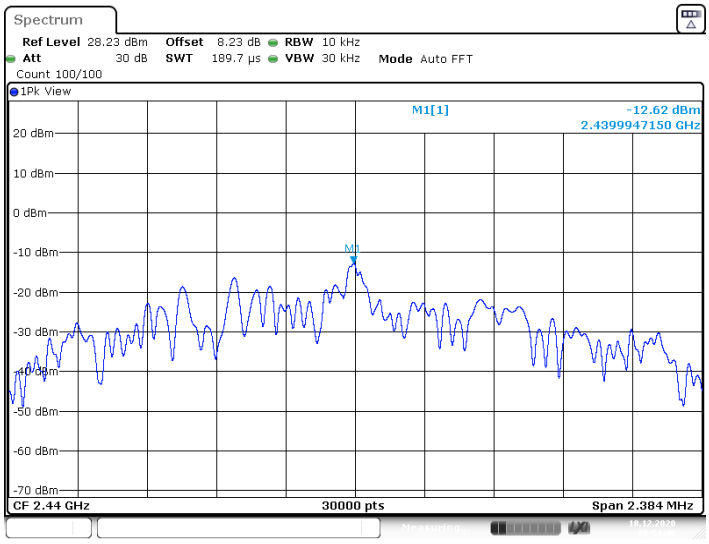


GFSK_2M

Test Mode:	BLE Mode		
Channel Frequency (MHz)	**Power Density (dBm/10kHz)**	**Power Density (dBm/3kHz)**	**Limit (dBm)**
2402	-12.21	-17.44	8dBm/3kHz
2440	-12.62	-17.85	
2480	-13.24	-18.47	
BLE Mode			
2402 MHz			



2440 MHz



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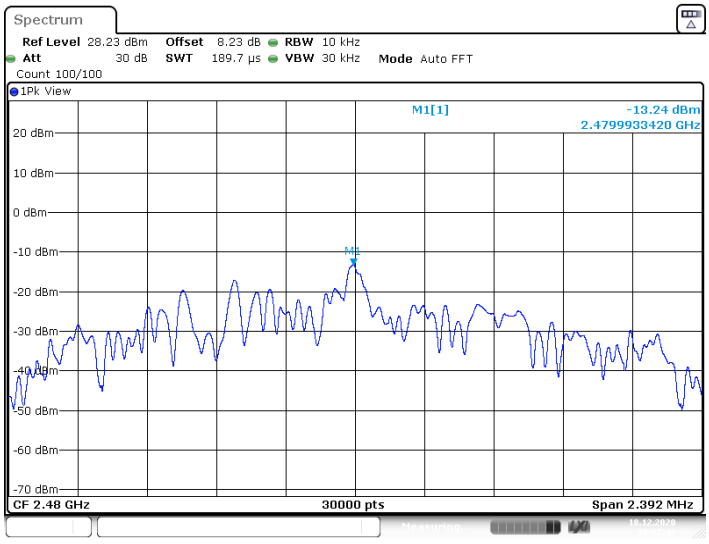
2480 MHz



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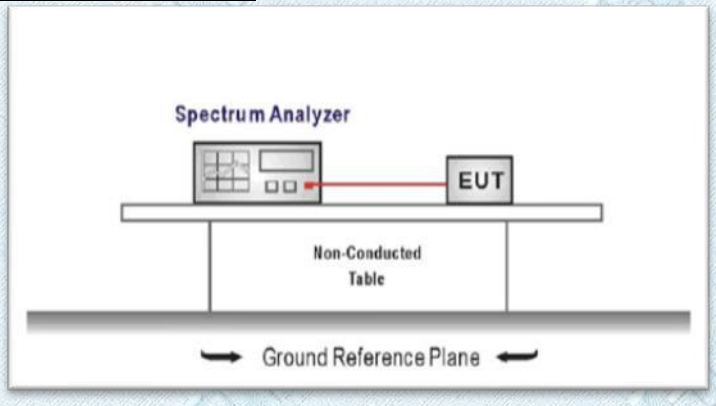
3.5. Band edge and Spurious Emission (conducted)

Limit

FCC CFR Title 47 Part 15 Subpart C Section15.247 (d):
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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.

Test Configuration



Test Procedure

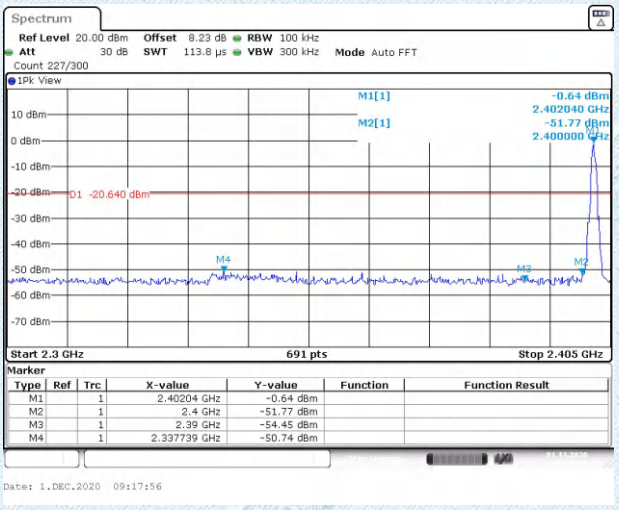
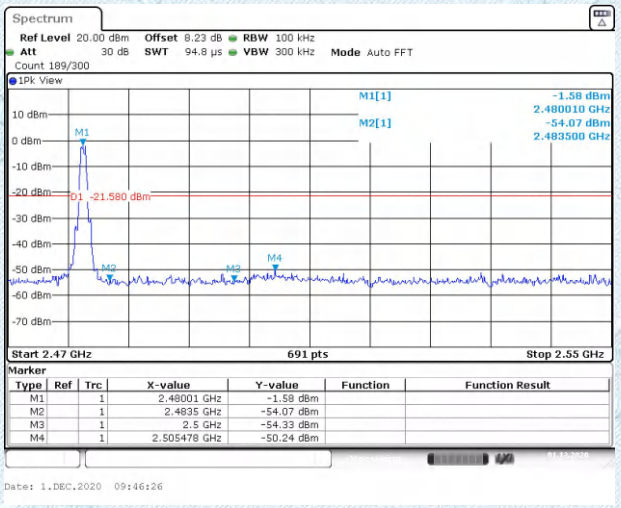
1. Connect EUT RF Output port to the Spectrum Analyzer through an RF attenuator.
2. Spectrum Setting:
   RBW=100KHz
   VBW=300KHz.
   Detector function: Peak.
   Trace: Max hold.
   Sweep = Auto couple.

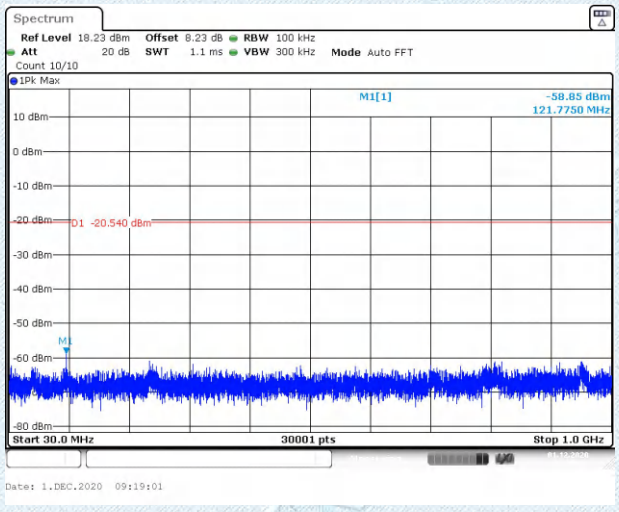
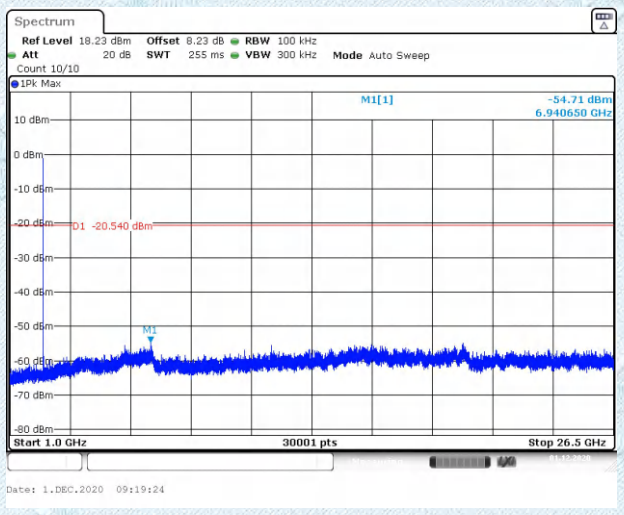
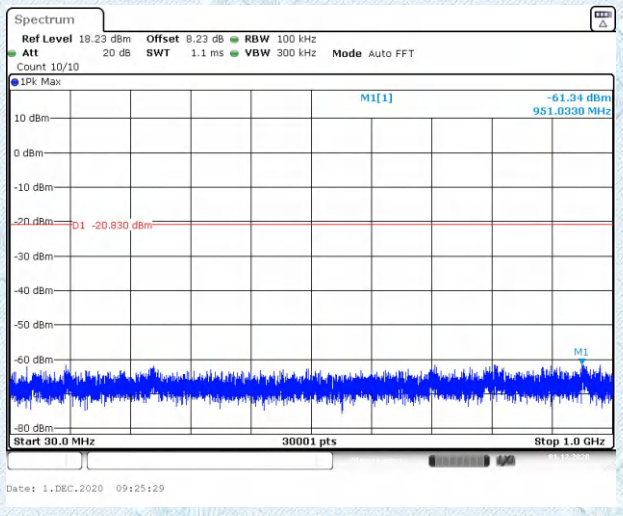
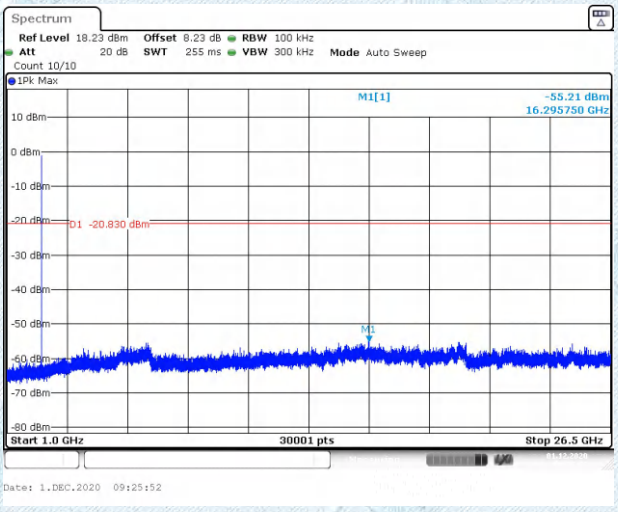
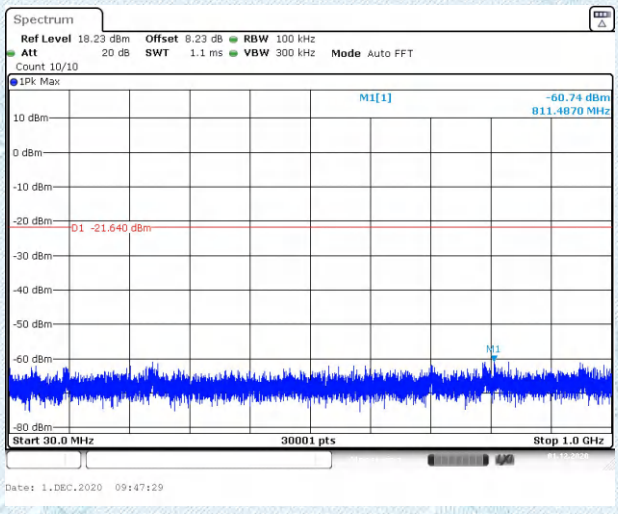
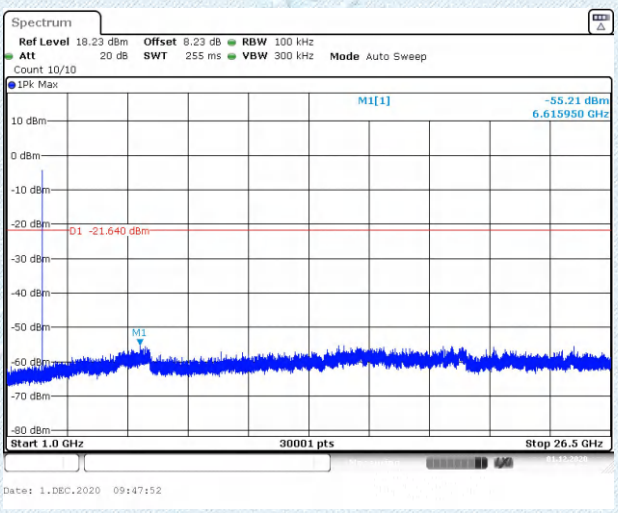
   Allow the trace to stabilize.

Test Mode

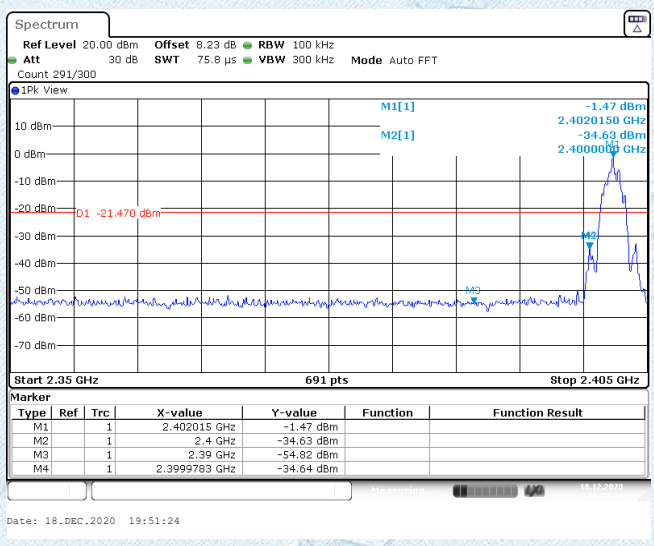
Please refer to the clause 2.3.

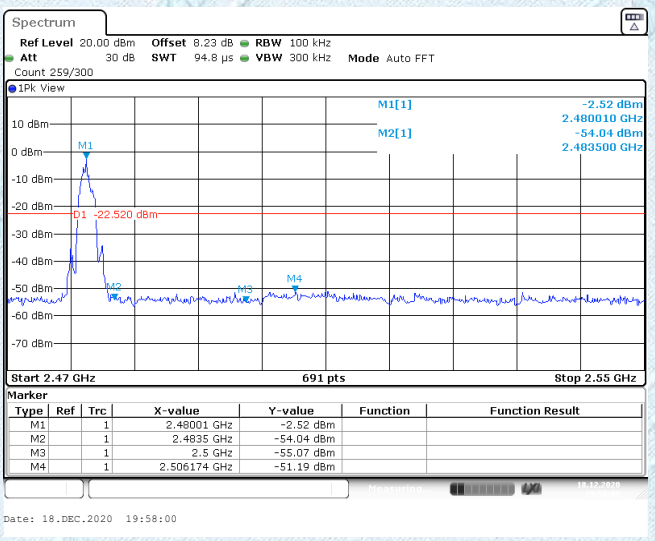
Test Results

GFSK_1M	
CH00-Bandedge	CH39-Bandedge
	

GFSK_1M	
CH00-SE	
	
CH19-SE	
	
CH39-SE	
	

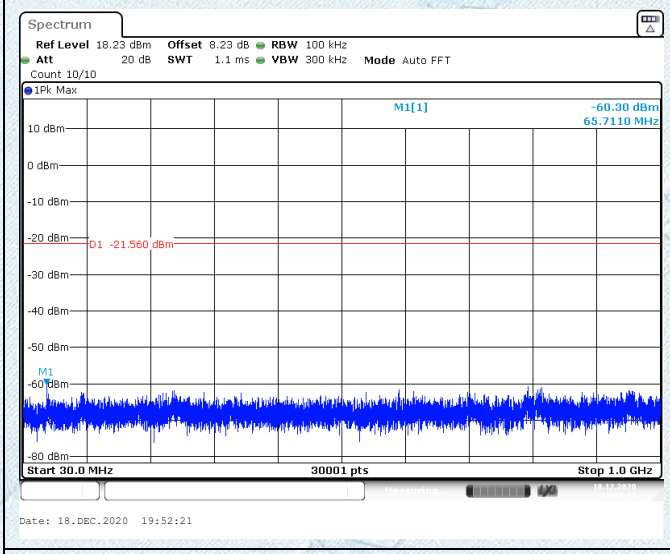
GFSK_2M	
CH00-Bandedge	CH39-Bandedge

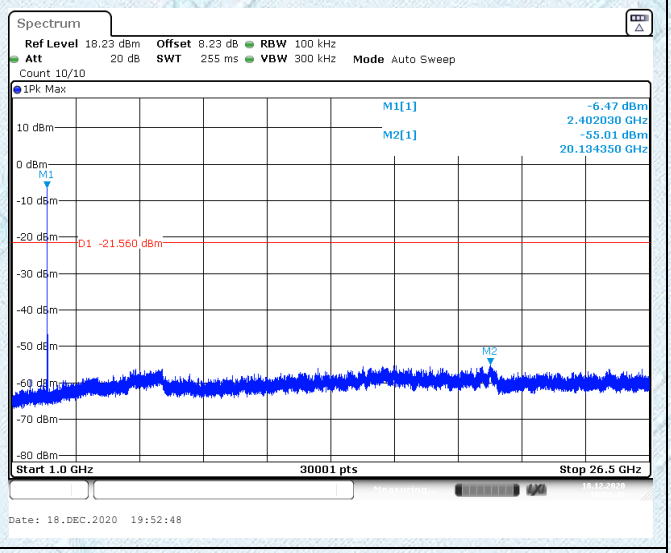




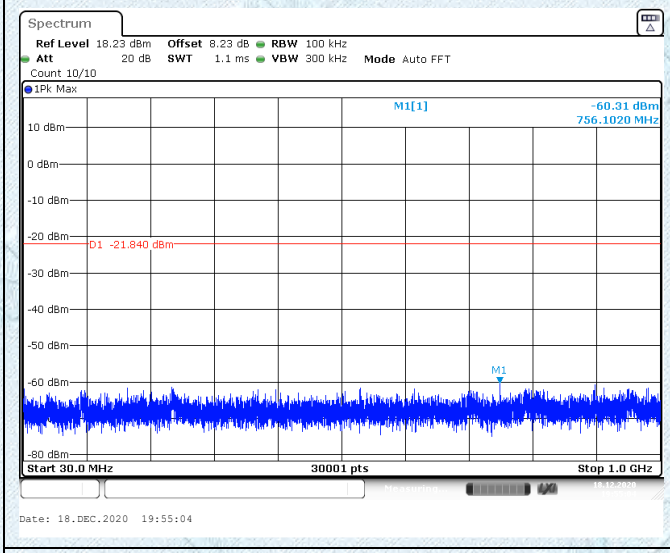
GFSK_2M

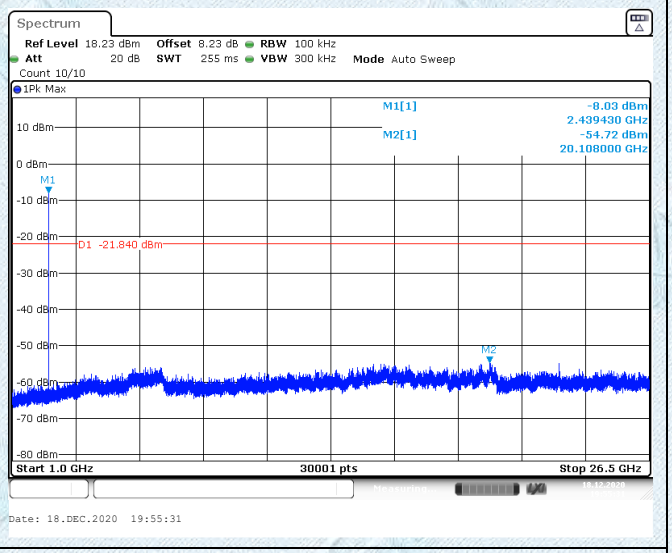
CH00-SE



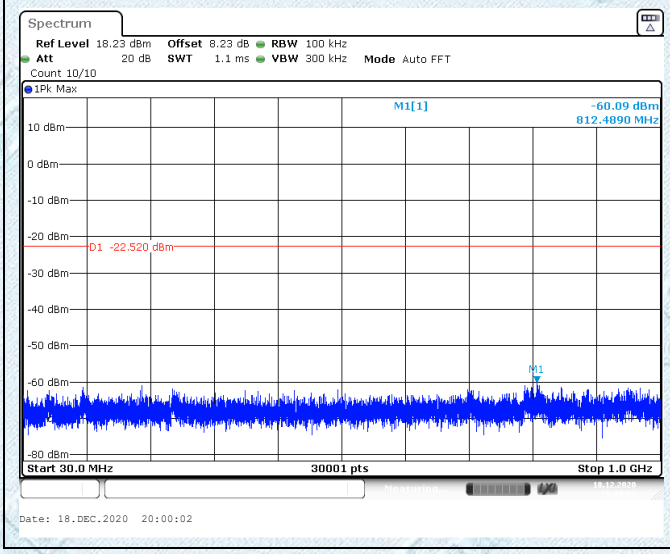


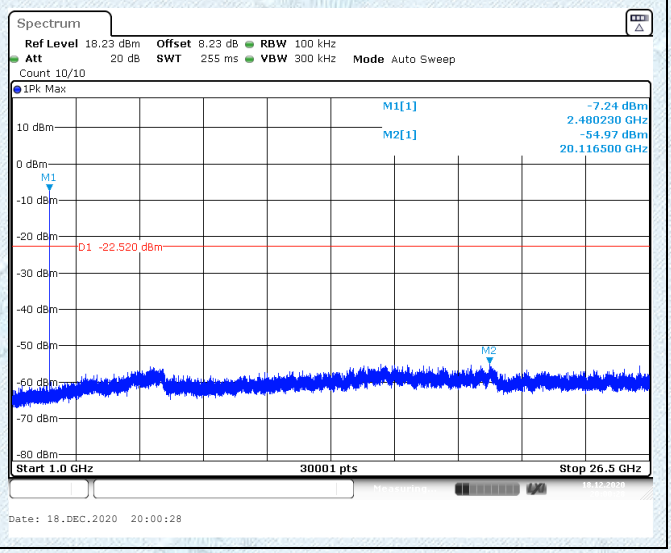
CH19-SE





CH39-SE



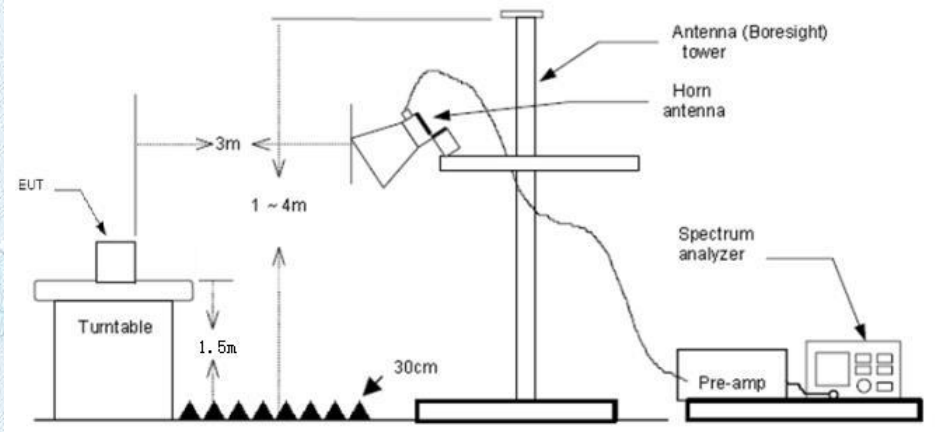


3.6. Band Edge Emissions(Radiated)

Limit

Restricted Frequency Band (MHz)	(dBuV/m)(at 3m)	
	Peak	Average
2310 ~2390	74	54
2483.5 ~2500	74	54
Note: All restriction bands have been tested, only the worst case is reported.		

Test Configuration



Test Procedure

1. The EUT was setup and tested according to ANSI C63.10:2013 requirements.
2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013 on radiated measurement.
5. The receiver set as follow:
   RBW=1MHz, VBW=3MHz PEAK detector for Peak value.
   RBW=1MHz, VBW=10Hz with PEAK Detector for Average Value.

Test Mode

Please refer to the clause 2.2.

Test Results

Note:

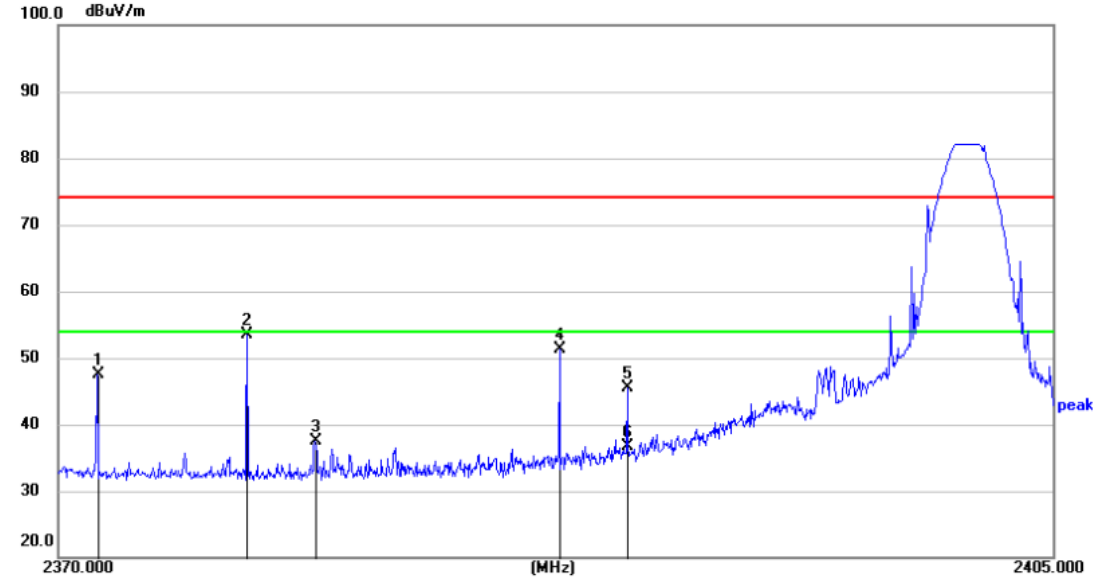
(1)Measurement = Reading level + Correct Factor

(2)Correct Factor=Antenna Factor + Cable Loss -Preamplifier Factor

(3)All modulation modes were tested, and only the worst data of GFSK_1M was recorded in the report.

Test model:MK08A

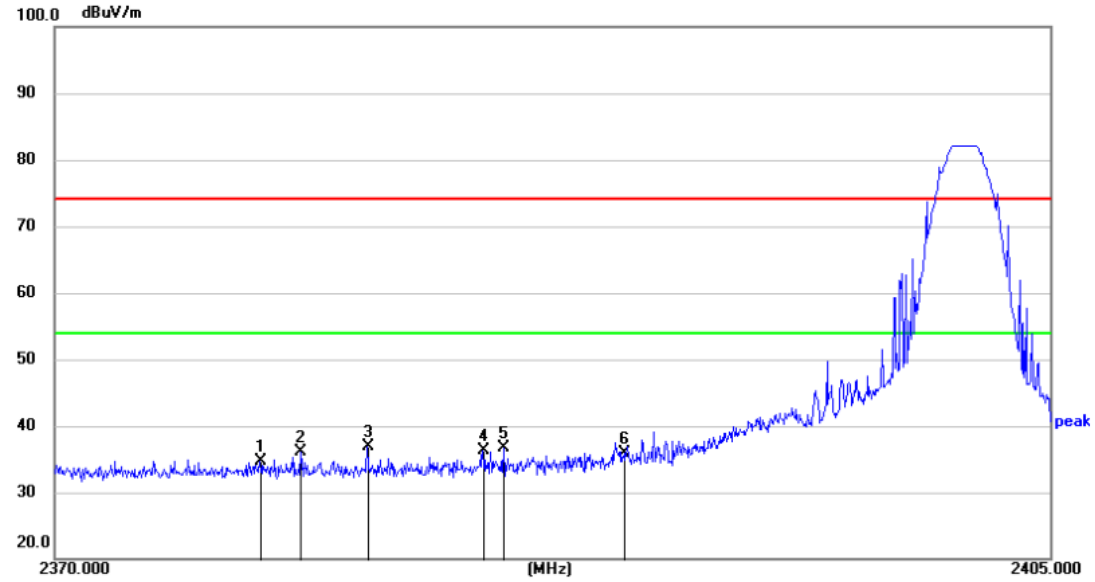
Ant. Pol.:	Horizontal
Test Mode:	TX BLE Mode 2402MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		2371.379	58.50	-10.92	47.58	74.00	26.42	peak
2	*	2376.643	64.44	-10.93	53.51	74.00	20.49	peak
3		2378.985	48.37	-10.92	37.45	74.00	36.55	peak
4		2387.602	62.27	-10.92	51.35	74.00	22.65	peak
5		2389.971	56.50	-10.92	45.58	74.00	28.42	peak
6		2390.000	47.64	-10.92	36.72	74.00	37.28	peak

Emission Level= Read Level+ Correct Factor

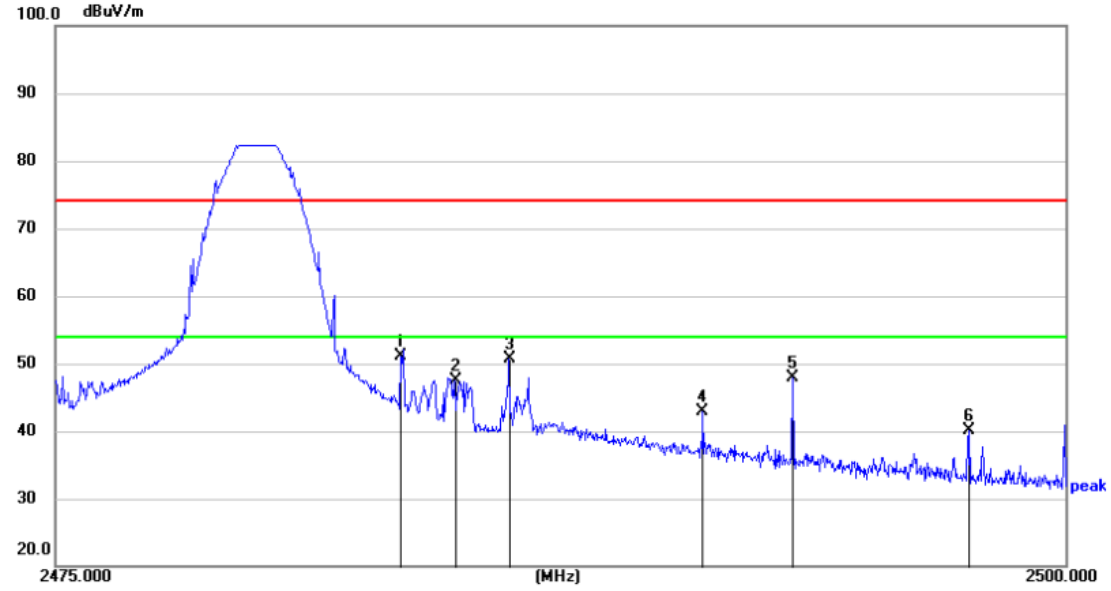
Ant. Pol.	Vertical
Test Mode:	TX BLE Mode 2402MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		2377.186	45.65	-10.93	34.72	74.00	39.28	peak
2		2378.620	46.93	-10.92	36.01	74.00	37.99	peak
3	*	2380.948	47.90	-10.93	36.97	74.00	37.03	peak
4		2385.022	47.16	-10.92	36.24	74.00	37.76	peak
5		2385.750	47.63	-10.92	36.71	74.00	37.29	peak
6		2390.000	46.83	-10.92	35.91	74.00	38.09	peak

Emission Level= Read Level+ Correct Factor

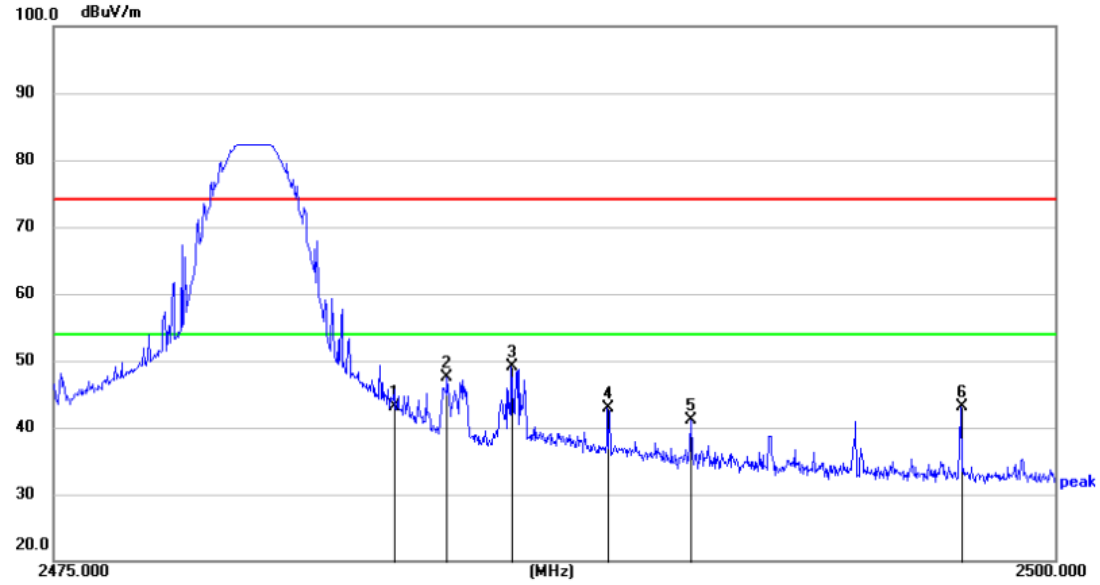
Ant. Pol.	Horizontal
Test Mode:	TX BLE Mode 2480 MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1	*	2483.500	62.06	-10.88	51.18	74.00	22.82	peak
2		2484.858	58.42	-10.88	47.54	74.00	26.46	peak
3		2486.198	61.59	-10.88	50.71	74.00	23.29	peak
4		2490.997	53.82	-10.89	42.93	74.00	31.07	peak
5		2493.250	58.70	-10.89	47.81	74.00	26.19	peak
6		2497.622	50.96	-10.88	40.08	74.00	33.92	peak

Emission Level= Read Level+ Correct Factor

Ant. Pol.	Vertical
Test Mode:	TX BLE Mode 2480 MHz

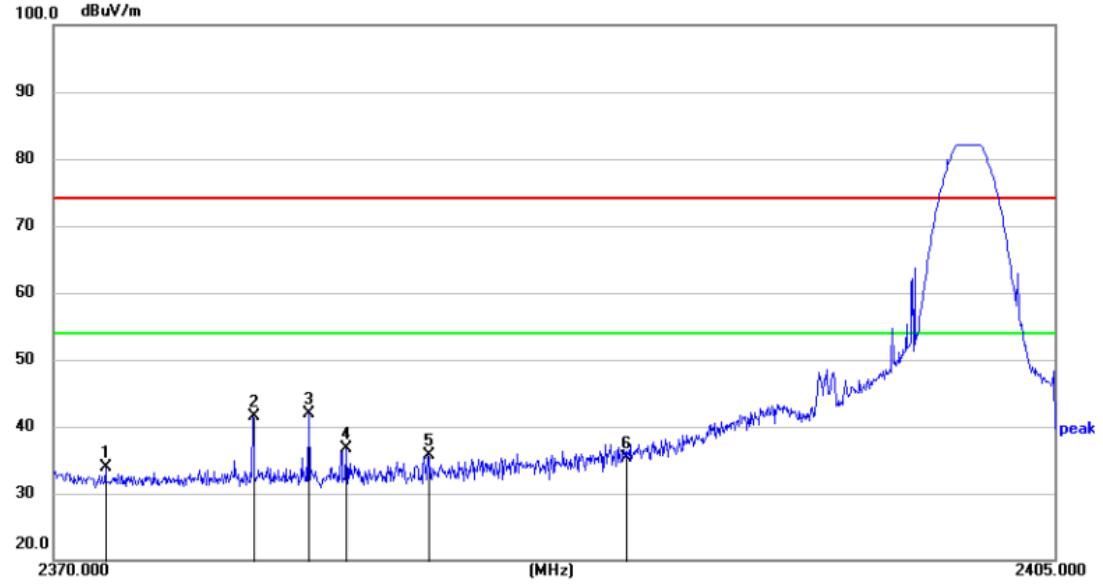


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		2483.500	54.06	-10.88	43.18	74.00	30.82	peak
2		2484.815	58.39	-10.88	47.51	74.00	26.49	peak
3	*	2486.415	60.04	-10.88	49.16	74.00	24.84	peak
4		2488.813	53.82	-10.89	42.93	74.00	31.07	peak
5		2490.900	51.92	-10.89	41.03	74.00	32.97	peak
6		2497.648	54.05	-10.88	43.17	74.00	30.83	peak

Emission Level= Read Level+ Correct Factor

Test model:MK08B

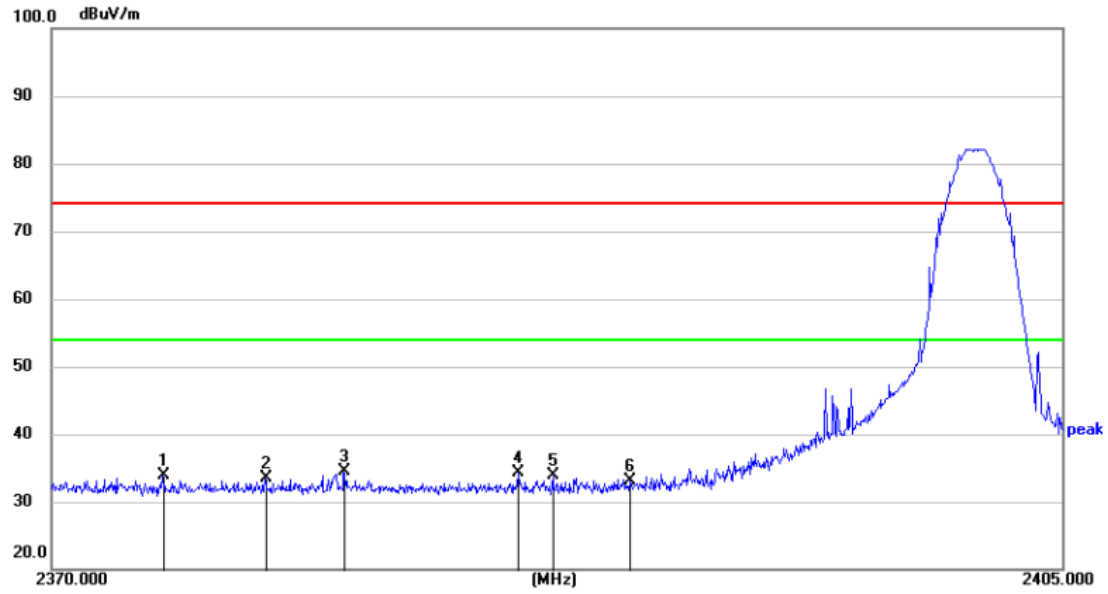
Ant. Pol.:	Horizontal
Test Mode:	TX BLE Mode 2402MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		2371.841	44.89	-10.92	33.97	74.00	40.03	peak
2		2376.948	52.34	-10.93	41.41	74.00	32.59	peak
3	*	2378.890	52.77	-10.92	41.85	74.00	32.15	peak
4		2380.206	47.59	-10.92	36.67	74.00	37.33	peak
5		2383.052	46.58	-10.92	35.66	74.00	38.34	peak
6		2390.000	46.32	-10.92	35.40	74.00	38.60	peak

Emission Level= Read Level+ Correct Factor

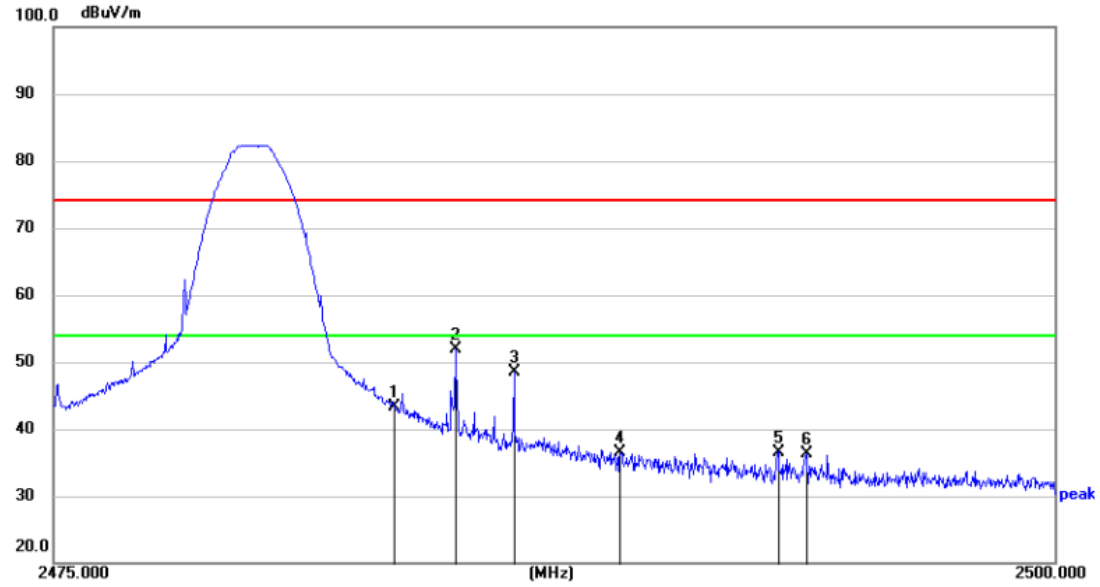
Ant. Pol.	Vertical
Test Mode:	TX BLE Mode 2402 MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		2373.836	44.82	-10.93	33.89	74.00	40.11	peak
2		2377.354	44.46	-10.93	33.53	74.00	40.47	peak
3	*	2380.073	45.37	-10.92	34.45	74.00	39.55	peak
4		2386.117	45.28	-10.92	34.36	74.00	39.64	peak
5		2387.318	44.73	-10.92	33.81	74.00	40.19	peak
6		2390.000	44.07	-10.92	33.15	74.00	40.85	peak

Emission Level= Read Level+ Correct Factor

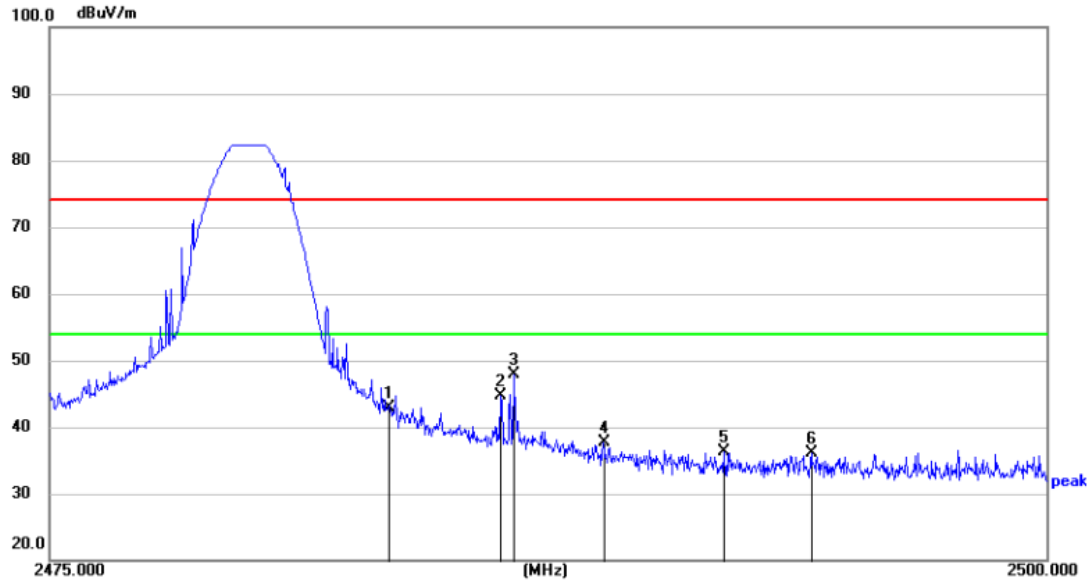
Ant. Pol.:	Horizontal
Test Mode:	TX BLE Mode 2480MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		2483.500	54.17	-10.88	43.29	74.00	30.71	peak
2	*	2485.020	62.69	-10.88	51.81	74.00	22.19	peak
3		2486.480	59.39	-10.88	48.51	74.00	25.49	peak
4		2489.140	47.38	-10.89	36.49	74.00	37.51	peak
5		2493.093	47.49	-10.89	36.60	74.00	37.40	peak
6		2493.793	47.28	-10.89	36.39	74.00	37.61	peak

Emission Level= Read Level+ Correct Factor

Ant. Pol.	Vertical
Test Mode:	TX BLE Mode 2480 MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		2483.500	53.79	-10.88	42.91	74.00	31.09	peak
2		2486.287	55.63	-10.88	44.75	74.00	29.25	peak
3	*	2486.637	58.73	-10.88	47.85	74.00	26.15	peak
4		2488.863	48.63	-10.89	37.74	74.00	36.26	peak
5		2491.898	47.18	-10.89	36.29	74.00	37.71	peak
6		2494.080	47.03	-10.88	36.15	74.00	37.85	peak

Emission Level= Read Level+ Correct Factor

3.7. Spurious Emission (Radiated)

Limit

Radiated Emission Limits (9 kHz~1000 MHz)

Frequency (MHz)	Field Strength (microvolt/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

Radiated Emission Limit (Above 1000MHz)

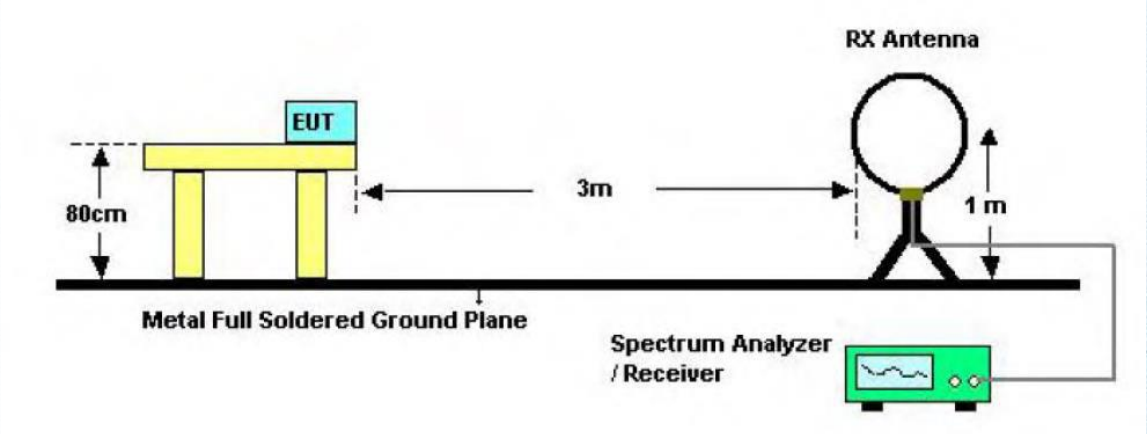
Frequency (MHz)	Distance Meters(at 3m)	
	Peak	Average
Above 1000	74	54

Note:

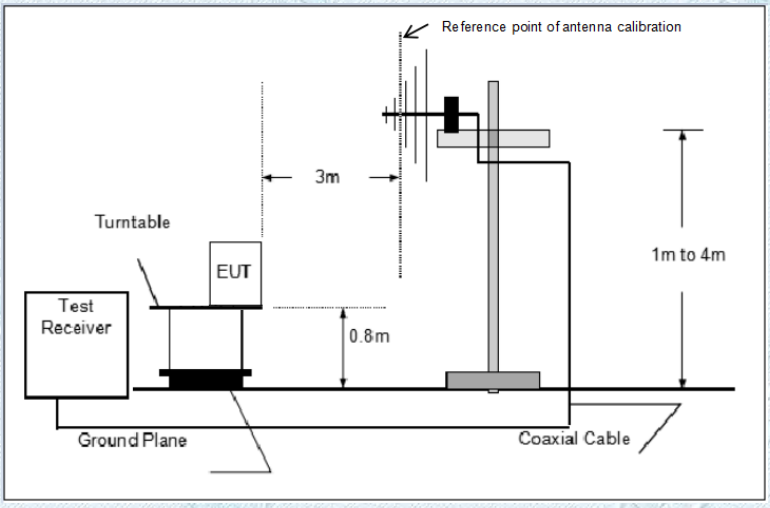
(1) The tighter limit applies at the band edges.

(2) Emission Level (dBuV/m)=20log Emission Level (uV/m).

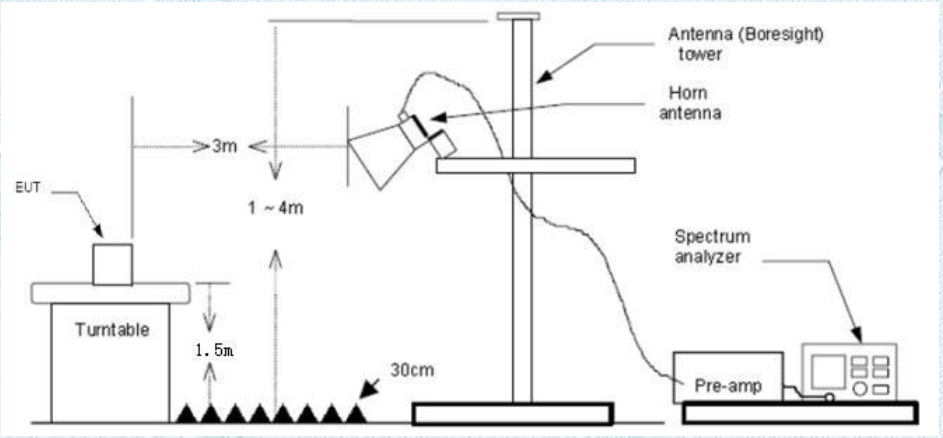
Test Configuration



Below 30MHz Test Setup



Below 1000MHz Test Setup



Above 1GHz Test Setup

Test Procedure

1. The EUT was setup and tested according to ANSI C63.10:2013
2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. Use the following spectrum analyzer settings
   (1) Span shall wide enough to fully capture the emission being measured;
   (2) Below 1 GHz:
   RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold;
   If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
   (3) From 1 GHz to 10th harmonic:
   RBW=1MHz, VBW=3MHz Peak detector for Peak value.
   RBW=1MHz, VBW=10Hz Peak detector for Average value.

Test Mode

Please refer to the clause 2.3.

Test Result

9 KHz~30 MHz and 18GHz~25GHz

From 9 KHz~30 MHz and 18GHz~25GHz: Conclusion: PASS

Note:

1) Measurement = Reading level + Correct Factor
   Correct Factor=Antenna Factor + Cable Loss -Preamplifier Factor
2) The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
3) The emission levels of other frequencies are very lower than the limit and not show in test report.
4) The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5) Pre-scan CH00, CH19 and CH39 modulation, and found the GFSK_1M_CH00 which it is worse case for 30MHz-1GHz , so only show the test data for worse case.

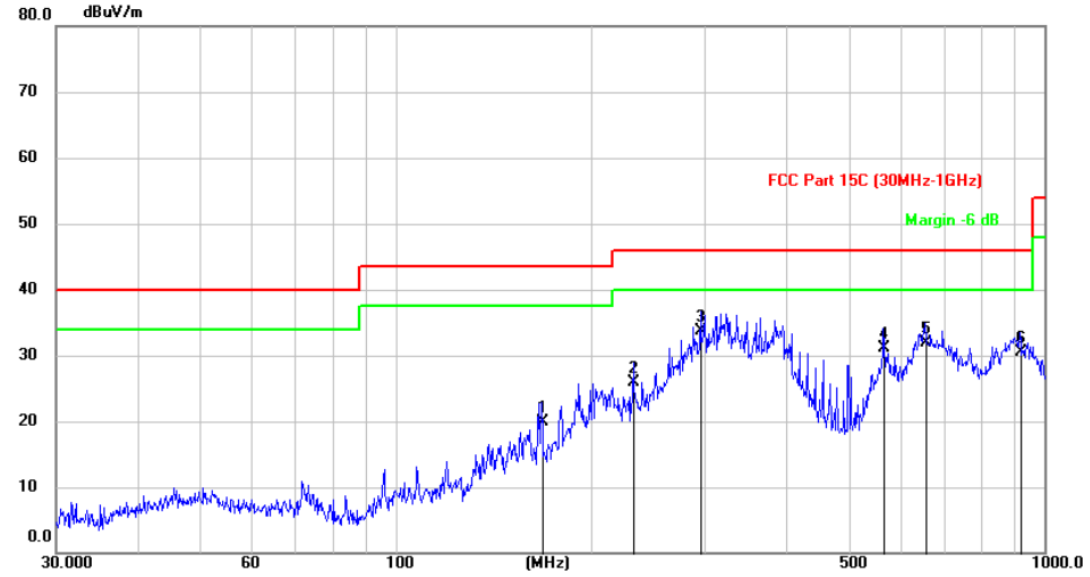
BELOW 30MHZ

No emission found between lowest internal used/generated frequencies to 30MHz.

30MHz-1GHz

Test model:MK08A

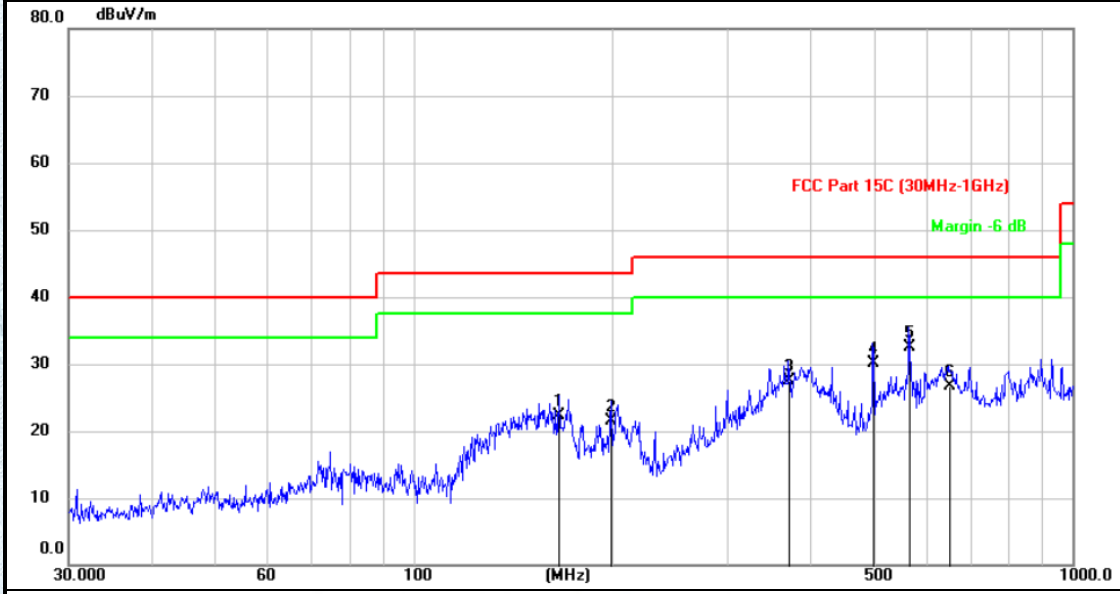
test voltage	DC 3.3V
Ant. Pol.	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		168.0009	40.62	-20.71	19.91	43.50	-23.59	QP
2		233.1851	42.43	-16.46	25.97	46.00	-20.03	QP
3	*	295.7685	48.37	-14.76	33.61	46.00	-12.39	QP
4		565.0349	39.59	-8.53	31.06	46.00	-14.94	QP
5		654.6908	39.22	-7.34	31.88	46.00	-14.12	QP
6		918.6421	34.62	-4.04	30.58	46.00	-15.42	QP

Emission Level= Read Level+ Correct Factor

test voltage	DC 3.3V
Ant. Pol.	Vertical

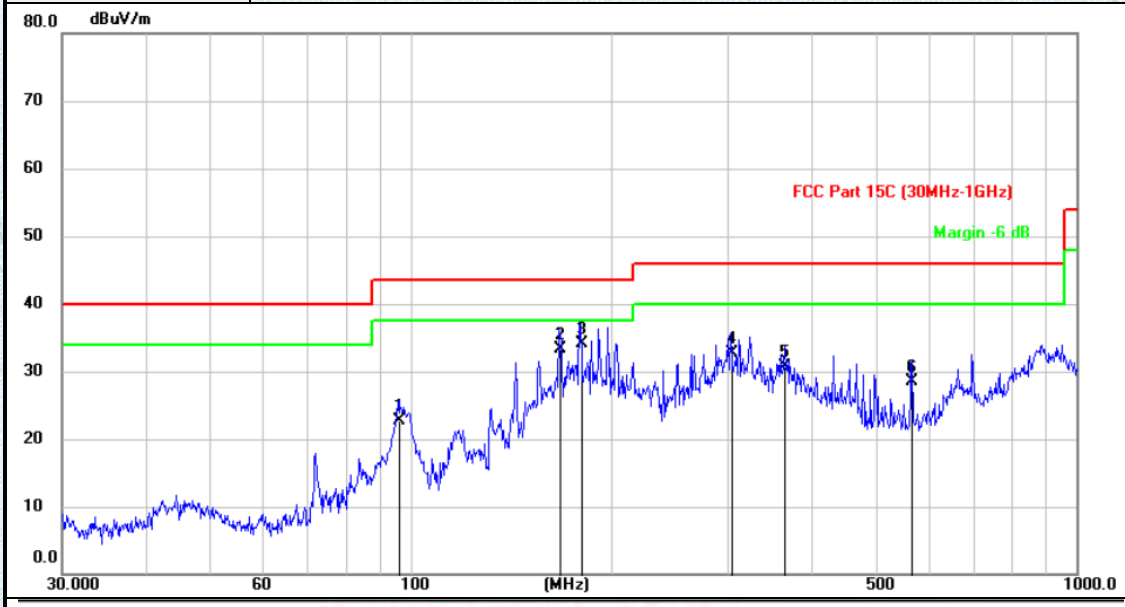


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		166.5930	43.23	-20.85	22.38	43.50	-21.12	QP
2		199.2855	39.47	-18.04	21.43	43.50	-22.07	QP
3		371.8740	39.26	-11.82	27.44	46.00	-18.56	QP
4		498.3750	40.01	-9.95	30.06	46.00	-15.94	QP
5	*	564.8369	41.04	-8.53	32.51	46.00	-13.49	QP
6		651.4847	34.00	-7.36	26.64	46.00	-19.36	QP

Emission Level= Read Level+ Correct Factor

Test model:MK08B

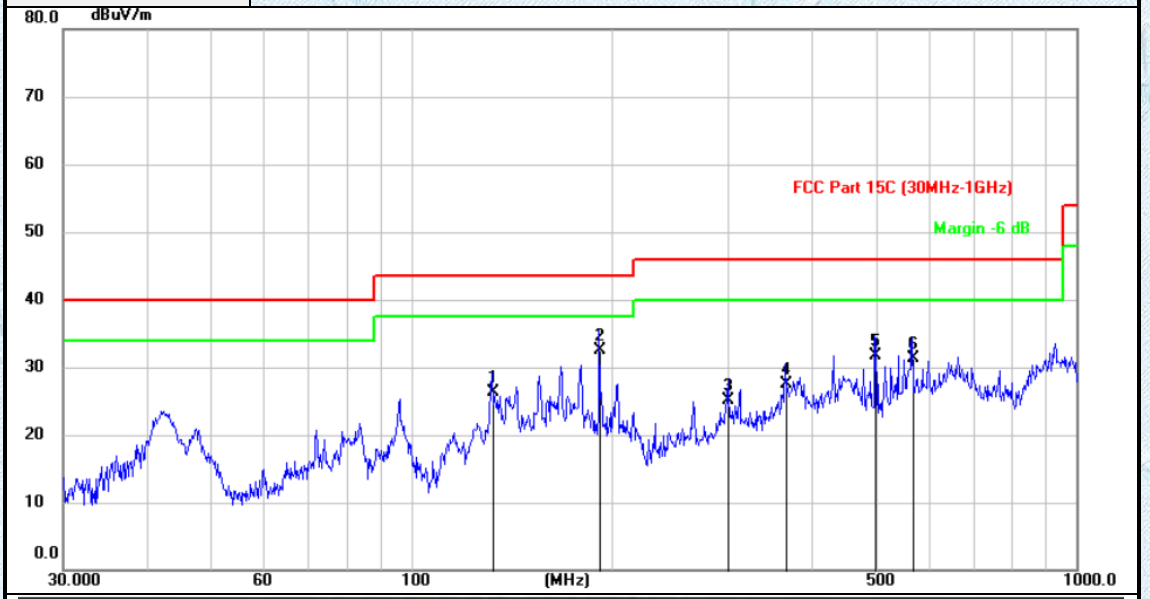
test voltage	DC 3.3V
Ant. Pol.	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		96.1997	40.94	-18.26	22.68	43.50	-20.82	QP
2		167.8241	53.99	-20.73	33.26	43.50	-10.24	QP
3	*	180.0795	53.24	-19.05	34.19	43.50	-9.31	QP
4		303.4372	47.24	-14.51	32.73	46.00	-13.27	QP
5		365.4108	42.72	-12.04	30.68	46.00	-15.32	QP
6		566.6221	36.94	-8.49	28.45	46.00	-17.55	QP

Emission Level= Read Level+ Correct Factor

test voltage	DC 3.3V
Ant. Pol.	Vertical



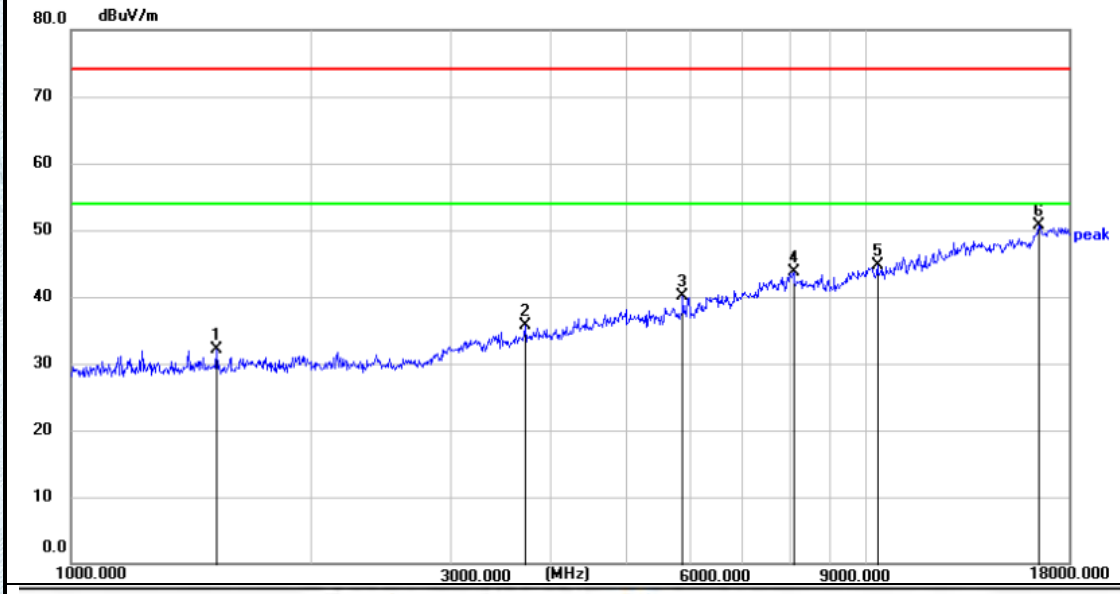
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		132.2206	47.40	-21.17	26.23	43.50	-17.27	QP
2	*	192.2163	50.81	-18.33	32.48	43.50	-11.02	QP
3		299.3158	39.86	-14.67	25.19	46.00	-20.81	QP
4		366.5658	39.54	-12.00	27.54	46.00	-18.46	QP
5		498.3750	41.66	-9.95	31.71	46.00	-14.29	QP
6		566.6223	39.85	-8.49	31.36	46.00	-14.64	QP

Emission Level= Read Level+ Correct Factor

Adobe 1GHz

Test model:MK08A

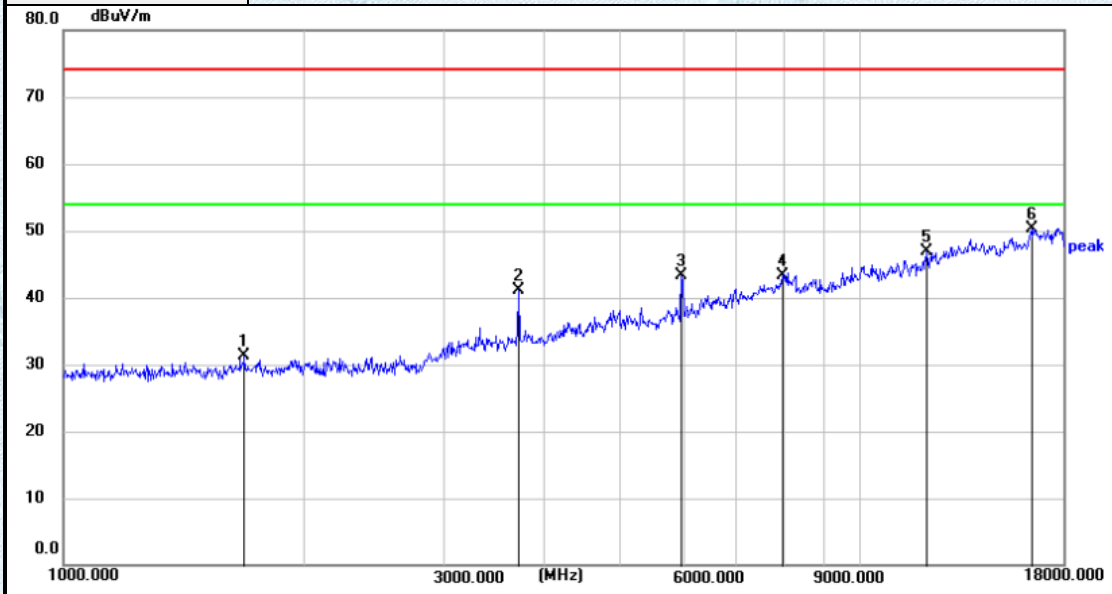
test voltage	DC 3.3V
Ant. Pol.	Horizontal
Test Mode:	TX BLE Mode 2402MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		1525.300	43.75	-11.72	32.03	74.00	41.97	peak
2		3731.900	44.71	-9.09	35.62	74.00	38.38	peak
3		5897.700	44.14	-4.04	40.10	74.00	33.90	peak
4		8114.500	41.65	2.04	43.69	74.00	30.31	peak
5		10346.600	40.05	4.66	44.71	74.00	29.29	peak
6	*	16548.200	36.92	13.73	50.65	74.00	23.35	peak

Emission Level= Read Level+ Correct Factor

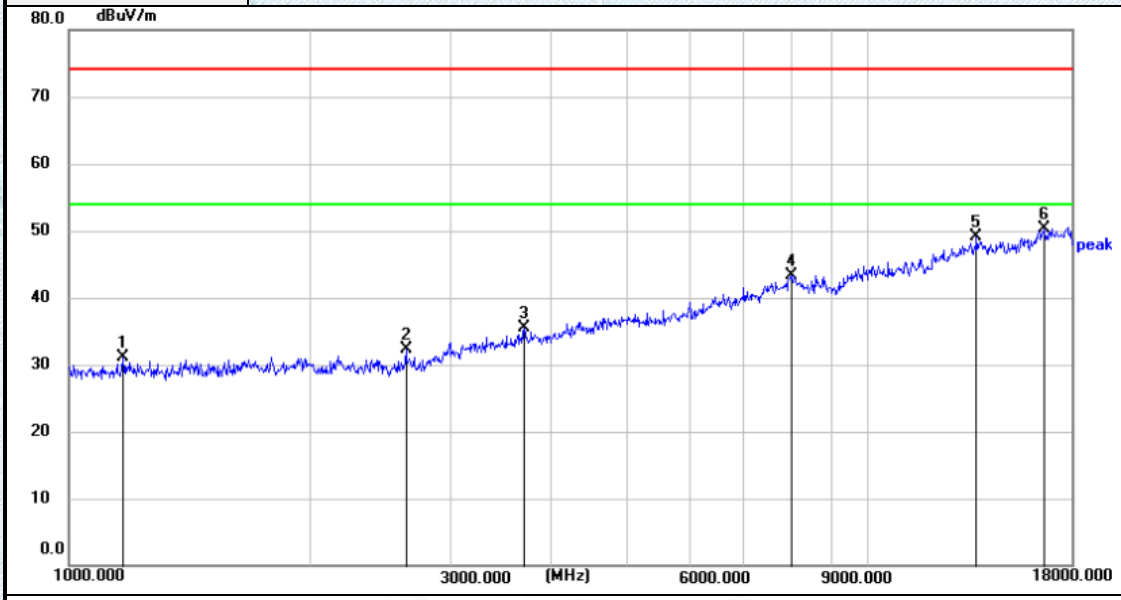
test voltage	DC 3.3V
Ant. Pol.	Vertical
Test Mode:	TX BLE Mode 2402MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		1691.900	42.80	-11.43	31.37	74.00	42.63	peak
2		3728.500	50.26	-9.12	41.14	74.00	32.86	peak
3		5982.700	47.12	-3.84	43.28	74.00	30.72	peak
4		7993.800	41.34	2.06	43.40	74.00	30.60	peak
5		12131.600	38.84	8.16	47.00	74.00	27.00	peak
6	*	16417.300	36.73	13.61	50.34	74.00	23.66	peak

Emission Level= Read Level+ Correct Factor

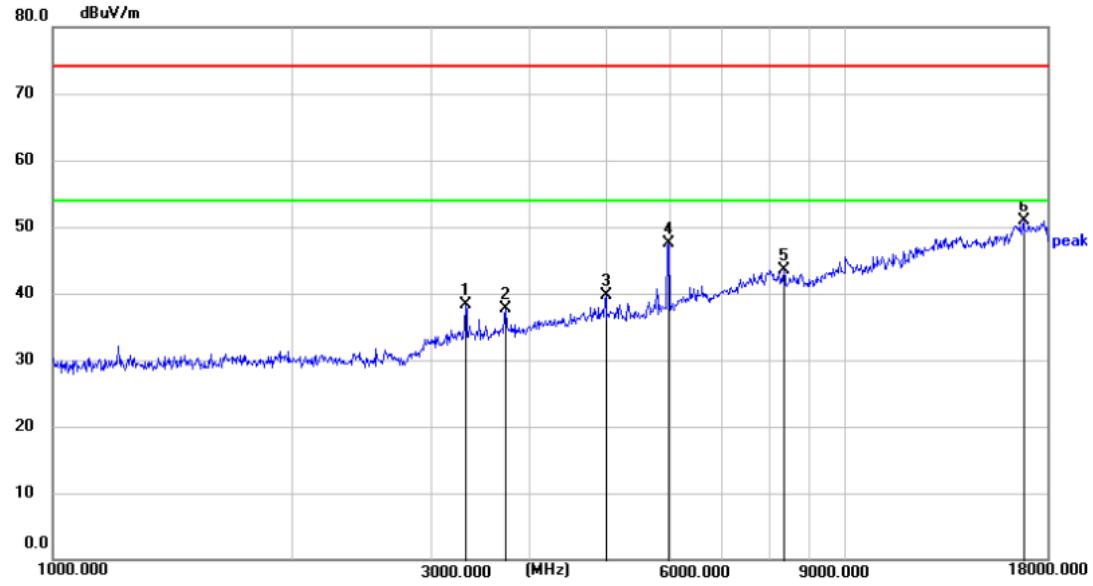
test voltage	DC 3.3V
Ant. Pol.	Horizontal
Test Mode:	TX BLE Mode 2440MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		1170.000	43.22	-12.10	31.12	74.00	42.88	peak
2		2642.200	43.19	-10.79	32.40	74.00	41.60	peak
3		3723.400	44.69	-9.12	35.57	74.00	38.43	peak
4		8021.000	41.28	2.06	43.34	74.00	30.66	peak
5		13709.200	38.19	10.87	49.06	74.00	24.94	peak
6	*	16691.000	36.79	13.51	50.30	74.00	23.70	peak

Emission Level= Read Level+ Correct Factor

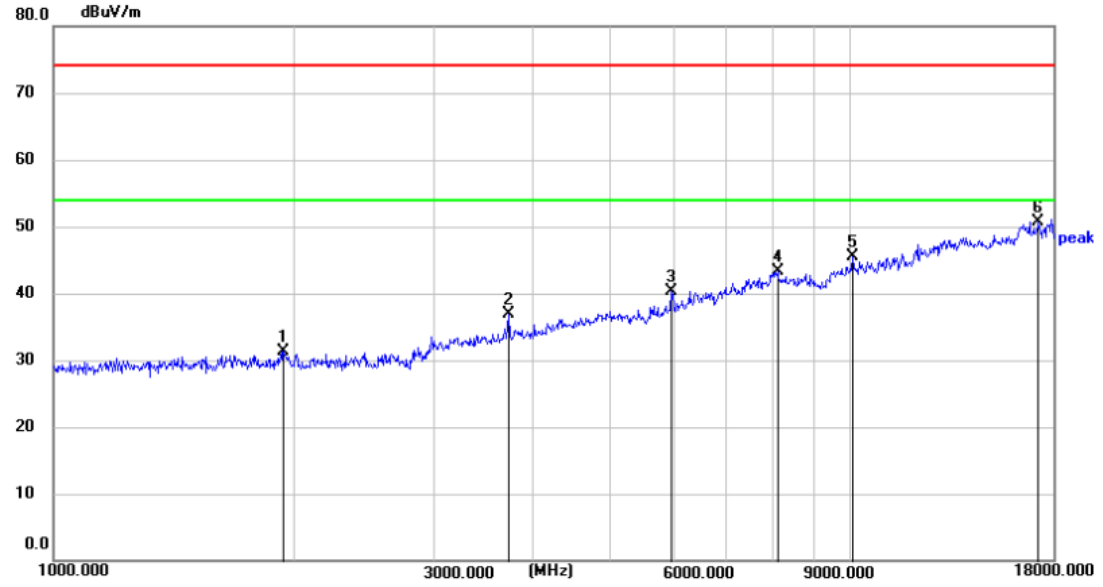
test voltage	DC 3.3V
Ant. Pol.	Vertical
Test Mode:	TX BLE Mode 2440MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		3325.600	48.26	-10.00	38.26	74.00	35.74	peak
2		3731.900	46.78	-9.09	37.69	74.00	36.31	peak
3		4988.200	45.11	-5.43	39.68	74.00	34.32	peak
4		5984.400	51.34	-3.84	47.50	74.00	26.50	peak
5		8372.900	41.62	1.97	43.59	74.00	30.41	peak
6	*	16813.400	37.51	13.32	50.83	74.00	23.17	peak

Emission Level= Read Level+ Correct Factor

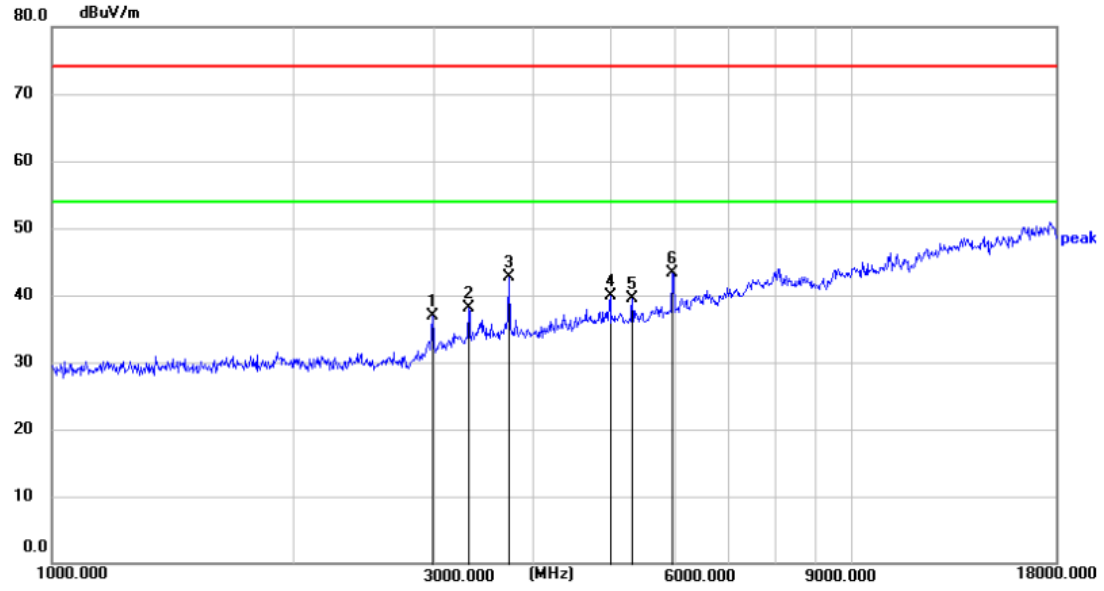
test voltage	DC 3.3V
Ant. Pol.	Horizontal
Test Mode:	TX BLE Mode 2480MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		1945.200	42.40	-11.10	31.30	74.00	42.70	peak
2		3728.500	46.03	-9.12	36.91	74.00	37.09	peak
3		5981.000	44.21	-3.84	40.37	74.00	33.63	peak
4		8119.600	41.24	2.03	43.27	74.00	30.73	peak
5		10093.300	41.29	4.23	45.52	74.00	28.48	peak
6	*	17248.600	37.53	13.21	50.74	74.00	23.26	peak

Emission Level= Read Level+ Correct Factor

test voltage	DC 3.3V
Ant. Pol.	Vertical
Test Mode:	TX BLE Mode 2480MHz

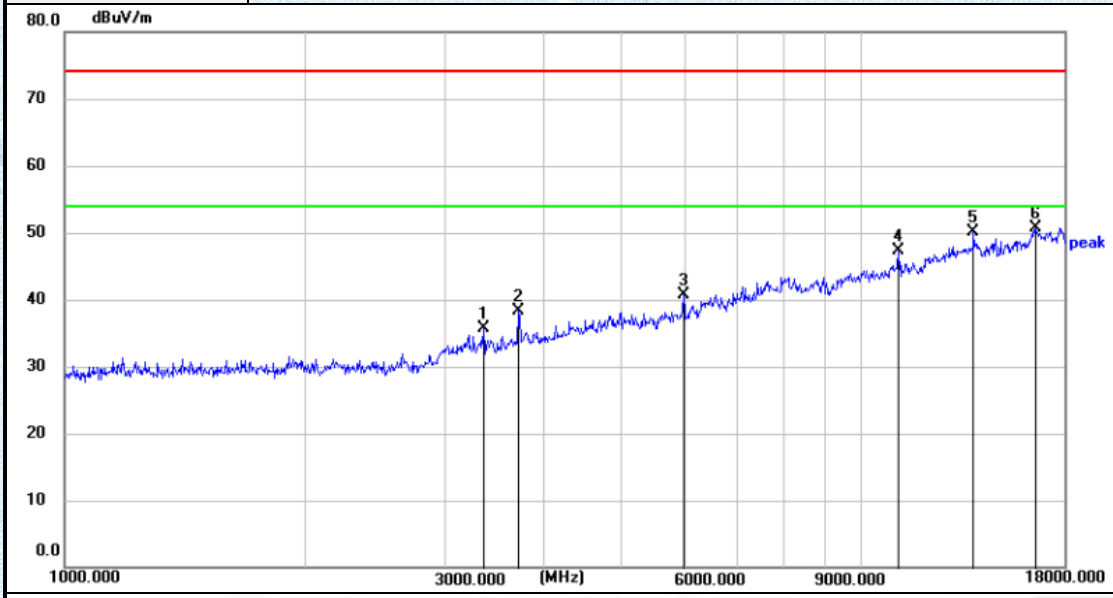


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		2994.100	47.42	-10.60	36.82	74.00	37.18	peak
2		3323.900	48.12	-10.01	38.11	74.00	35.89	peak
3		3726.800	51.73	-9.12	42.61	74.00	31.39	peak
4		4996.700	45.36	-5.40	39.96	74.00	34.04	peak
5		5316.300	44.62	-5.10	39.52	74.00	34.48	peak
6	*	5982.700	47.09	-3.84	43.25	74.00	30.75	peak

Emission Level= Read Level+ Correct Factor

Test model:MK08B

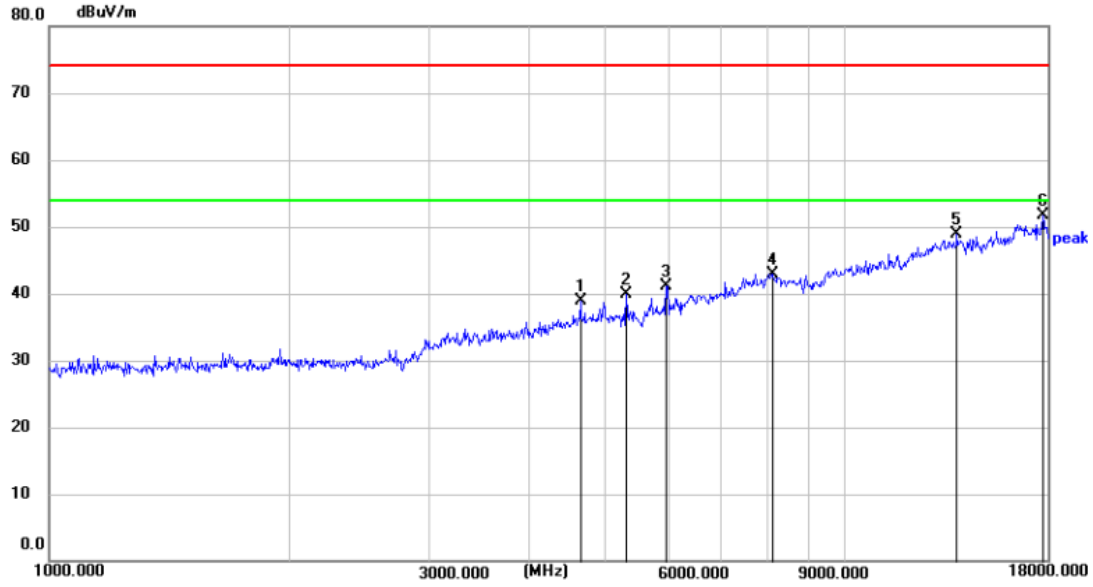
test voltage	DC 3.3V
Ant. Pol.	Horizontal
Test Mode:	TX BLE Mode 2402MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		3366.400	45.73	-9.93	35.80	74.00	38.20	peak
2		3720.000	47.52	-9.13	38.39	74.00	35.61	peak
3		5998.000	44.61	-3.81	40.80	74.00	33.20	peak
4		11142.200	41.31	6.03	47.34	74.00	26.66	peak
5		13845.200	39.06	11.04	50.10	74.00	23.90	peak
6	*	16577.100	37.06	13.69	50.75	74.00	23.25	peak

Emission Level= Read Level+ Correct Factor

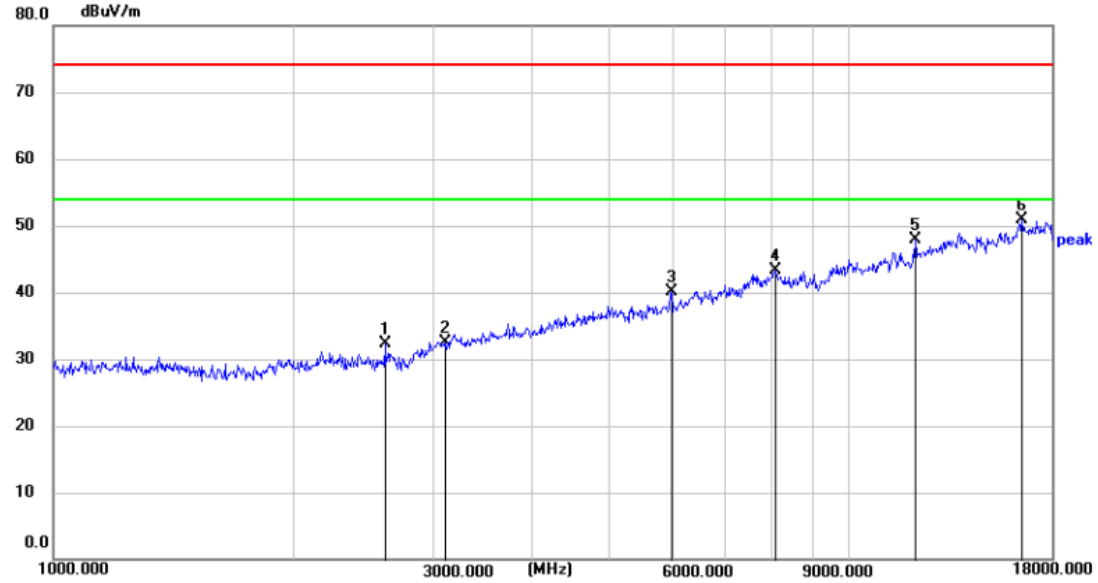
test voltage	DC 3.3V
Ant. Pol.	Vertical
Test Mode:	TX BLE Mode 2402MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		4663.500	45.30	-6.31	38.99	74.00	35.01	peak
2		5328.200	45.02	-5.09	39.93	74.00	34.07	peak
3		5977.600	45.04	-3.85	41.19	74.00	32.81	peak
4		8145.100	40.97	2.03	43.00	74.00	31.00	peak
5		13850.300	37.96	11.04	49.00	74.00	25.00	peak
6	*	17770.500	38.11	13.52	51.63	74.00	22.37	peak

Emission Level= Read Level+ Correct Factor

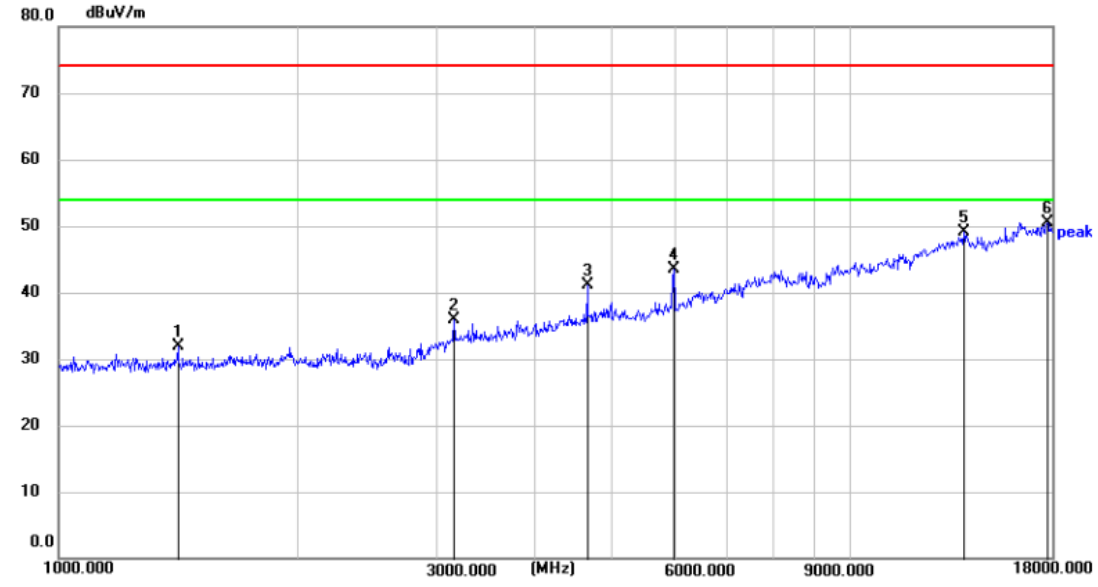
test voltage	DC 3.3V
Ant. Pol.	Horizontal
Test Mode:	TX BLE Mode 2440MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		2616.700	43.07	-10.81	32.26	74.00	41.74	peak
2		3108.000	42.96	-10.40	32.56	74.00	41.44	peak
3		5984.400	43.96	-3.84	40.12	74.00	33.88	peak
4		8095.800	41.34	2.05	43.39	74.00	30.61	peak
5		12141.800	39.77	8.19	47.96	74.00	26.04	peak
6	*	16527.800	37.11	13.77	50.88	74.00	23.12	peak

Emission Level= Read Level+ Correct Factor

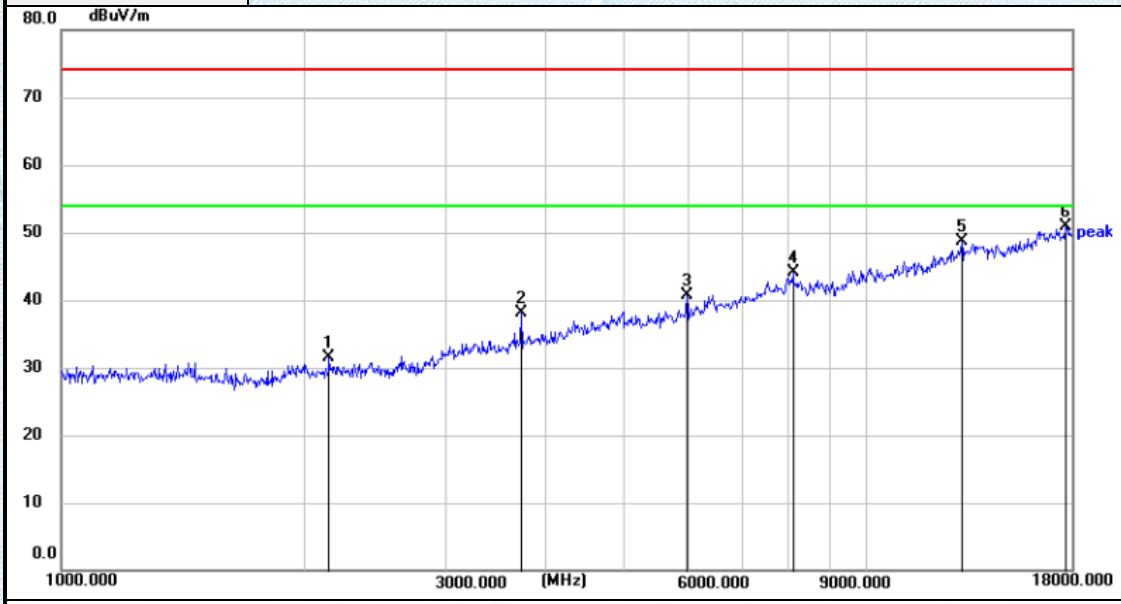
test voltage	DC 3.3V
Ant. Pol.	Vertical
Test Mode:	TX BLE Mode 2440MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		1416.500	43.77	-11.89	31.88	74.00	42.12	peak
2		3167.500	46.10	-10.29	35.81	74.00	38.19	peak
3		4661.800	47.44	-6.31	41.13	74.00	32.87	peak
4		5986.100	47.31	-3.84	43.47	74.00	30.53	peak
5		13923.400	37.96	11.13	49.09	74.00	24.91	peak
6	*	17748.400	37.08	13.51	50.59	74.00	23.41	peak

Emission Level= Read Level+ Correct Factor

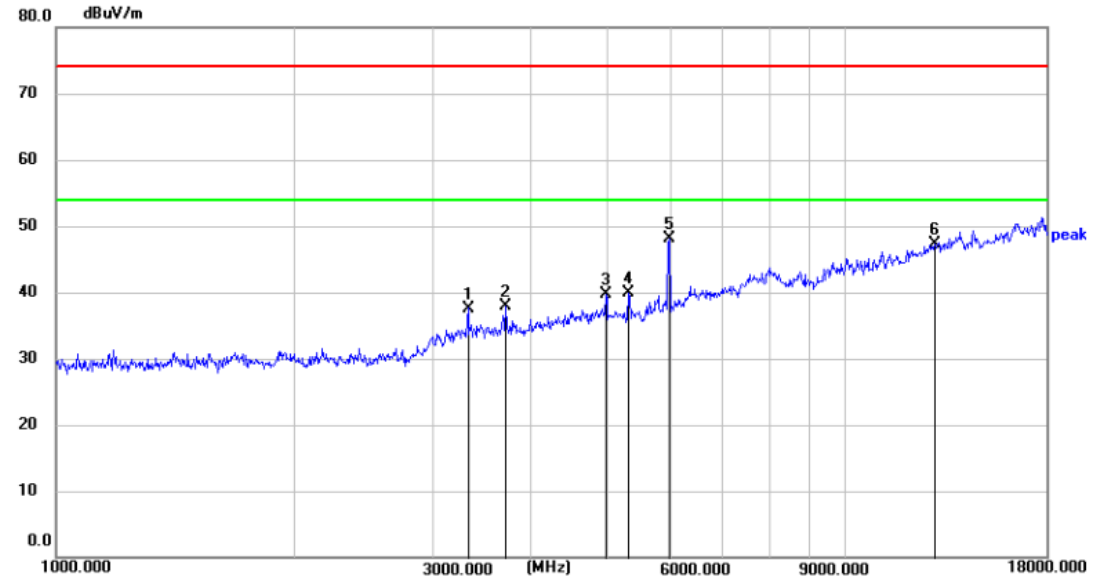
test voltage	DC 3.3V
Ant. Pol.	Horizontal
Test Mode:	TX BLE Mode 2480MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		2152.600	42.52	-11.01	31.51	74.00	42.49	peak
2		3731.900	47.20	-9.09	38.11	74.00	35.89	peak
3		5991.200	44.49	-3.81	40.68	74.00	33.32	peak
4		8109.400	41.96	2.05	44.01	74.00	29.99	peak
5		13148.200	38.48	10.13	48.61	74.00	25.39	peak
6	*	17741.600	37.31	13.51	50.82	74.00	23.18	peak

Emission Level= Read Level+ Correct Factor

test voltage	DC 3.3V
Ant. Pol.	Vertical
Test Mode:	TX BLE Mode 2480MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		3329.000	47.59	-9.99	37.60	74.00	36.40	peak
2		3720.000	46.96	-9.13	37.83	74.00	36.17	peak
3		4986.500	45.10	-5.43	39.67	74.00	34.33	peak
4		5321.400	44.94	-5.09	39.85	74.00	34.15	peak
5	*	5989.500	51.99	-3.82	48.17	74.00	25.83	peak
6		13019.000	37.40	9.96	47.36	74.00	26.64	peak

Emission Level= Read Level+ Correct Factor

Note:
All modulation modes were tested, and only the worst data of GFSK_1M was recorded in the report.

3.8. Conducted Emission

Limit

Conducted Emission Test Limit

Frequency	Maximum RF Line Voltage (dBμV)	
	Quasi-peak Level	Average Level
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
500kHz~5MHz	56	46
5MHz~30MHz	60	50

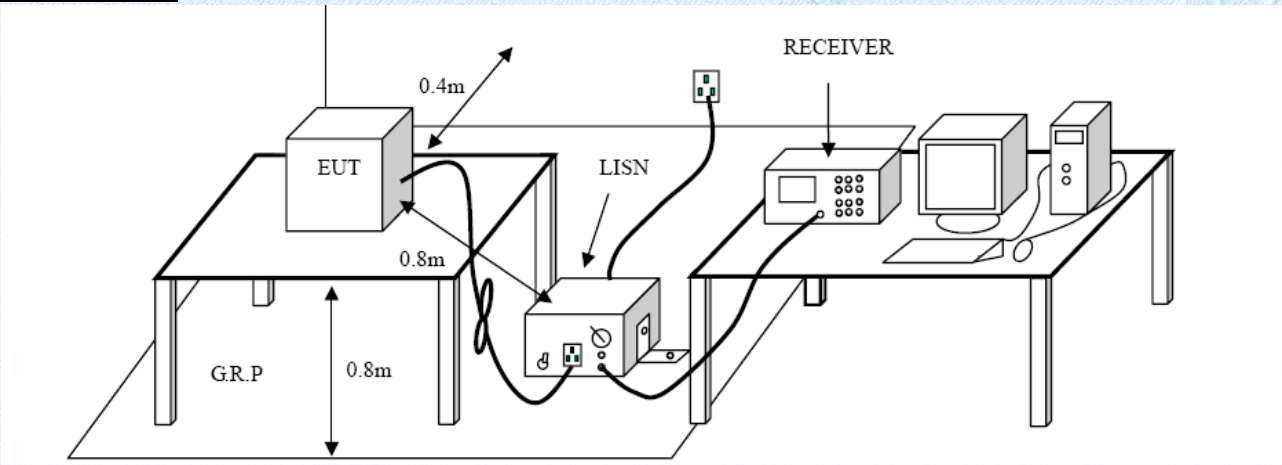
Notes:

(1) *Decreasing linearly with logarithm of the frequency.

(2) The lower limit shall apply at the transition frequencies.

(3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

Test Configuration



Test Procedure

1. The EUT was setup according to ANSI C63.10:2013 requirements.
2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
3. The EUT and simulators are connected to the main power through a line impedances stabilization network (LISN). The LISN provides a 50ohm /50uH coupling impedance for the measuring equipment.
   The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
4. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
5. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
6. Conducted Emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
7. During the above scans, the emissions were maximized by cable manipulation.

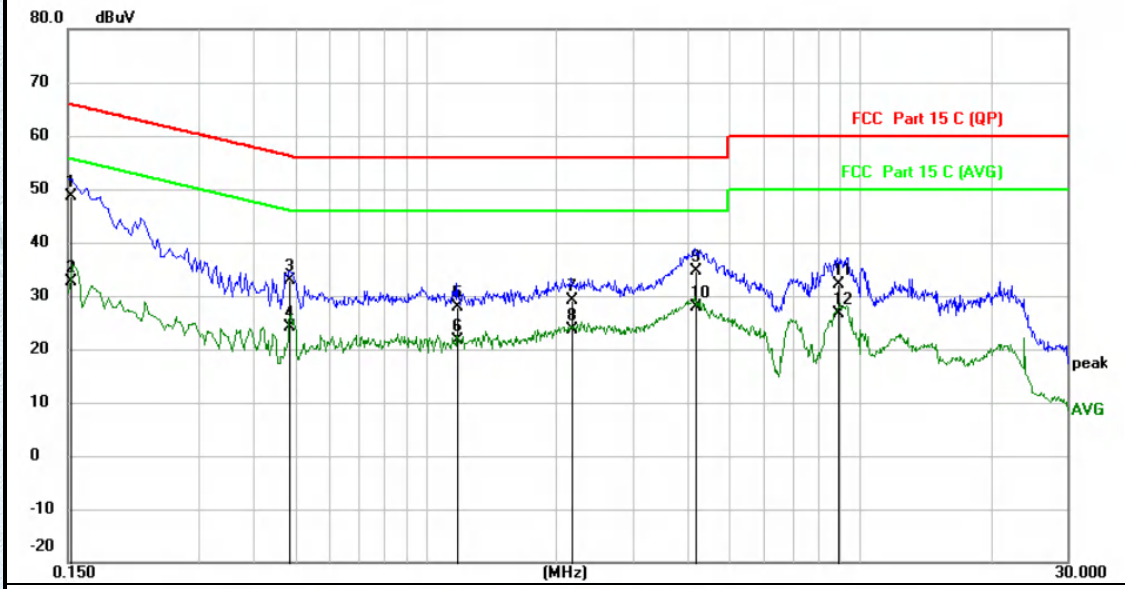
Test Mode:

Please refer to the clause 2.3.

Test Results

Test model：MK08A

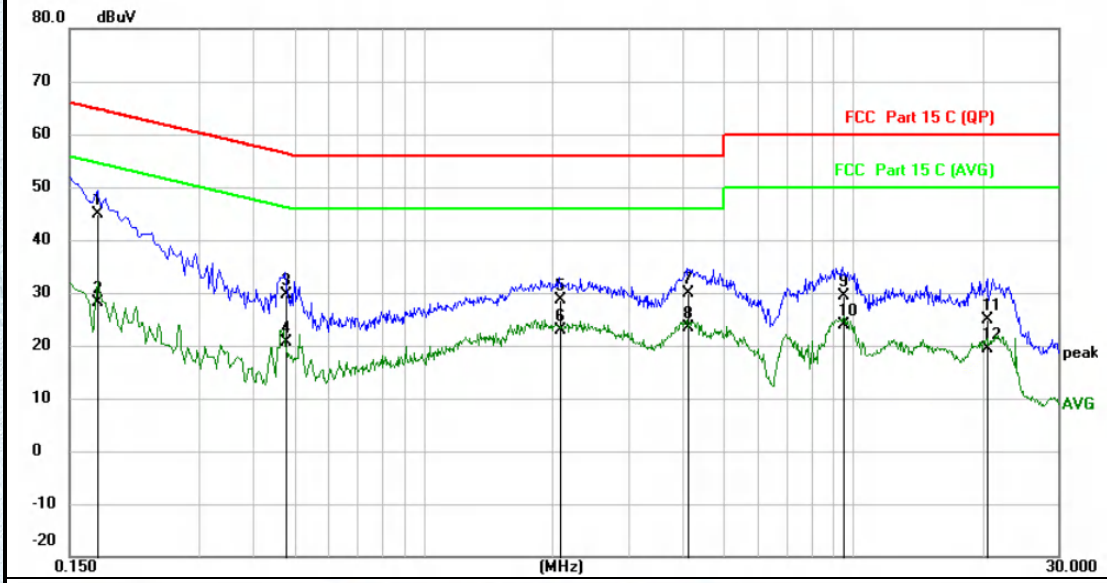
test voltage	AC 120V/60Hz
Terminal:	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	*	0.1524	37.75	10.82	48.57	65.87	-17.30	QP
2		0.1524	21.69	10.82	32.51	55.87	-23.36	AVG
3		0.4860	22.02	10.91	32.93	56.24	-23.31	QP
4		0.4860	13.30	10.91	24.21	46.24	-22.03	AVG
5		1.1820	16.93	10.87	27.80	56.00	-28.20	QP
6		1.1820	10.69	10.87	21.56	46.00	-24.44	AVG
7		2.1660	18.14	10.89	29.03	56.00	-26.97	QP
8		2.1660	12.68	10.89	23.57	46.00	-22.43	AVG
9		4.1779	23.64	10.96	34.60	56.00	-21.40	QP
10		4.1779	17.04	10.96	28.00	46.00	-18.00	AVG
11		8.9100	21.18	10.97	32.15	60.00	-27.85	QP
12		8.9100	15.73	10.97	26.70	50.00	-23.30	AVG

Remarks:
1.Measurement = Reading Level+ Correct Factor
2.Over = Measurement -Limit

test voltage	AC 120V/60Hz
Terminal:	Neutral

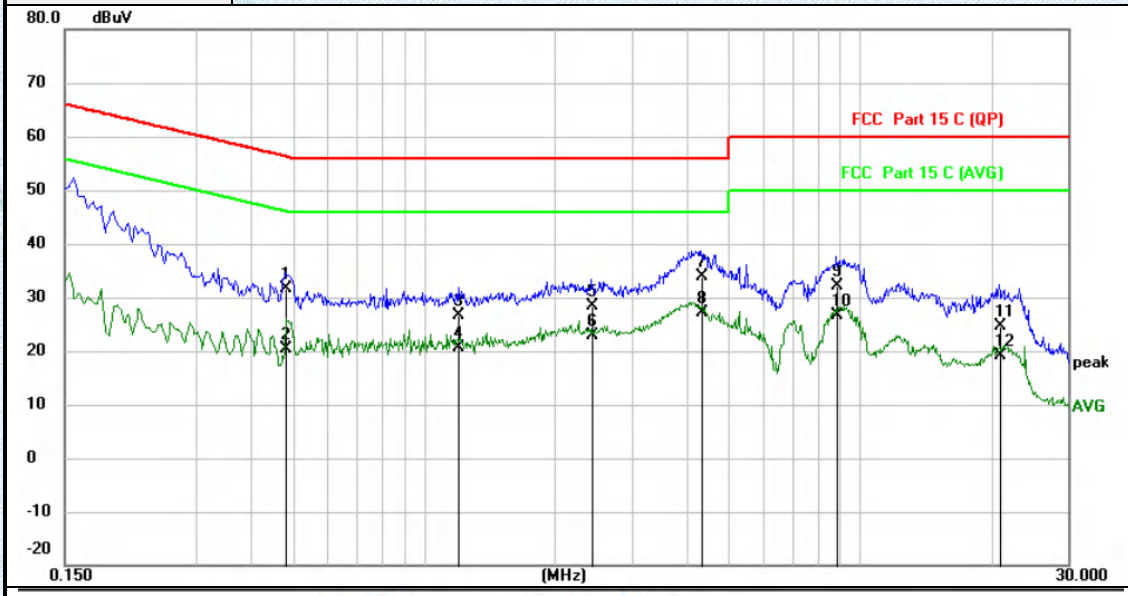


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	*	0.1740	34.00	10.86	44.86	64.77	-19.91	QP
2		0.1740	17.35	10.86	28.21	54.77	-26.56	AVG
3		0.4780	18.69	10.88	29.57	56.37	-26.80	QP
4		0.4780	9.64	10.88	20.52	46.37	-25.85	AVG
5		2.0740	17.69	10.89	28.58	56.00	-27.42	QP
6		2.0740	12.11	10.89	23.00	46.00	-23.00	AVG
7		4.1220	18.87	10.95	29.82	56.00	-26.18	QP
8		4.1220	12.41	10.95	23.36	46.00	-22.64	AVG
9		9.4740	18.49	10.91	29.40	60.00	-30.60	QP
10		9.4740	13.08	10.91	23.99	50.00	-26.01	AVG
11		20.5419	13.67	11.16	24.83	60.00	-35.17	QP
12		20.5419	8.11	11.16	19.27	50.00	-30.73	AVG

Remarks:
1.Measurement = Reading Level+ Correct Factor
2.Over = Measurement -Limit

Test model：MK08B

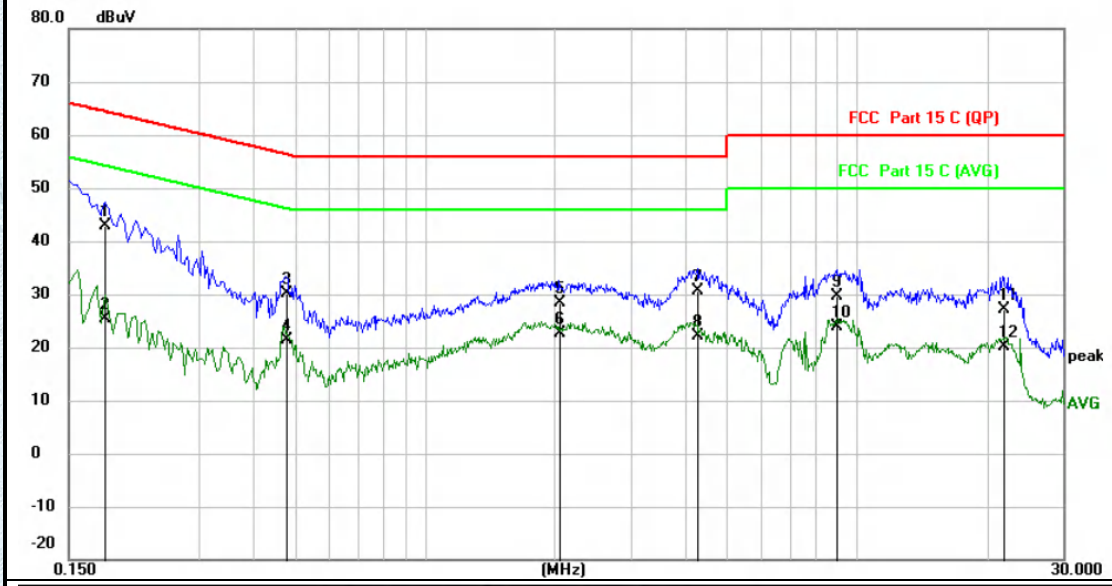
test voltage	AC 120V/60Hz
Terminal:	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.4820	20.67	10.91	31.58	56.30	-24.72	QP
2		0.4820	9.50	10.91	20.41	46.30	-25.89	AVG
3		1.2020	15.64	10.88	26.52	56.00	-29.48	QP
4		1.2020	9.81	10.88	20.69	46.00	-25.31	AVG
5		2.4260	17.57	10.90	28.47	56.00	-27.53	QP
6		2.4260	11.92	10.90	22.82	46.00	-23.18	AVG
7		4.3260	22.85	10.96	33.81	56.00	-22.19	QP
8	*	4.3260	16.22	10.96	27.18	46.00	-18.82	AVG
9		8.8540	21.14	10.97	32.11	60.00	-27.89	QP
10		8.8540	15.68	10.97	26.65	50.00	-23.35	AVG
11		20.8940	13.21	11.30	24.51	60.00	-35.49	QP
12		20.8940	7.89	11.30	19.19	50.00	-30.81	AVG

Remarks:
1.Measurement = Reading Level+ Correct Factor
2.Over = Measurement -Limit

test voltage	AC 120V/60Hz
Terminal:	Neutral

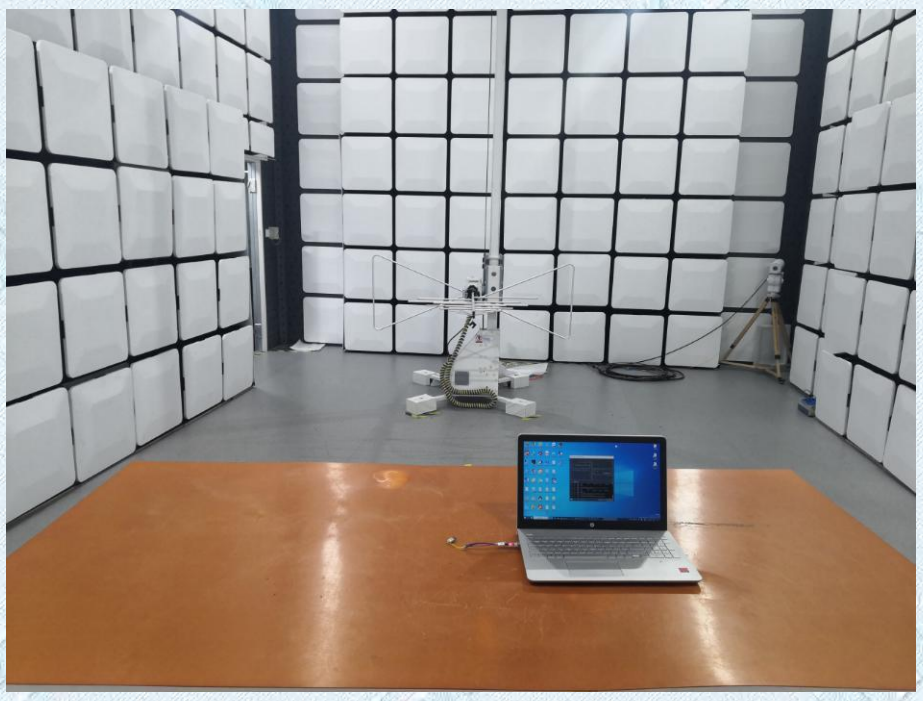


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	*	0.1819	31.97	10.87	42.84	64.40	-21.56	QP
2		0.1819	14.60	10.87	25.47	54.40	-28.93	AVG
3		0.4780	19.14	10.88	30.02	56.37	-26.35	QP
4		0.4780	10.62	10.88	21.50	46.37	-24.87	AVG
5		2.0500	17.49	10.89	28.38	56.00	-27.62	QP
6		2.0500	11.84	10.89	22.73	46.00	-23.27	AVG
7		4.2860	19.74	10.95	30.69	56.00	-25.31	QP
8		4.2860	11.25	10.95	22.20	46.00	-23.80	AVG
9		8.9860	18.59	10.93	29.52	60.00	-30.48	QP
10		8.9860	12.83	10.93	23.76	50.00	-26.24	AVG
11		21.8100	16.00	11.14	27.14	60.00	-32.86	QP
12		21.8100	9.02	11.14	20.16	50.00	-29.84	AVG

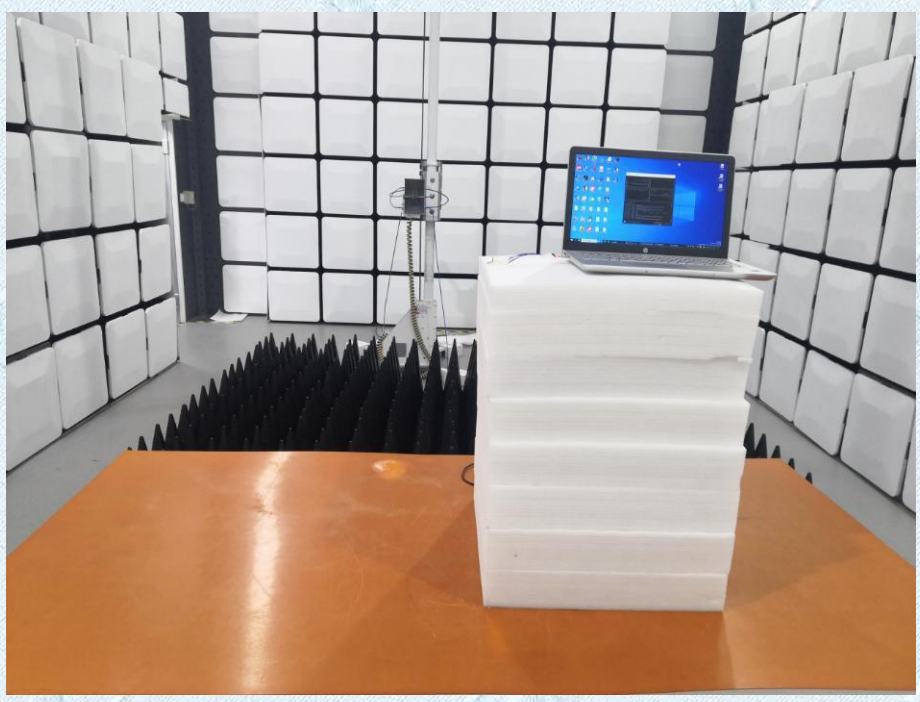
Remarks:
1.Measurement = Reading Level+ Correct Factor
2.Over = Measurement -Limit

4.EUT TEST PHOTOS

Radiated Measurement (Below 1GHz)

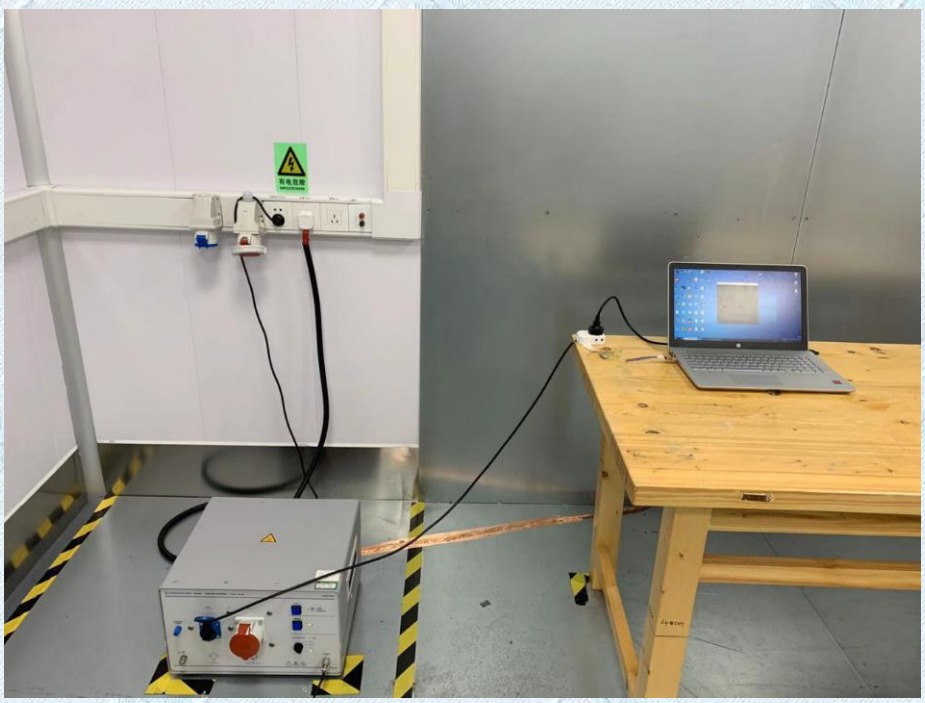


Radiated Measurement (Above 1GHz)



RF Conducted

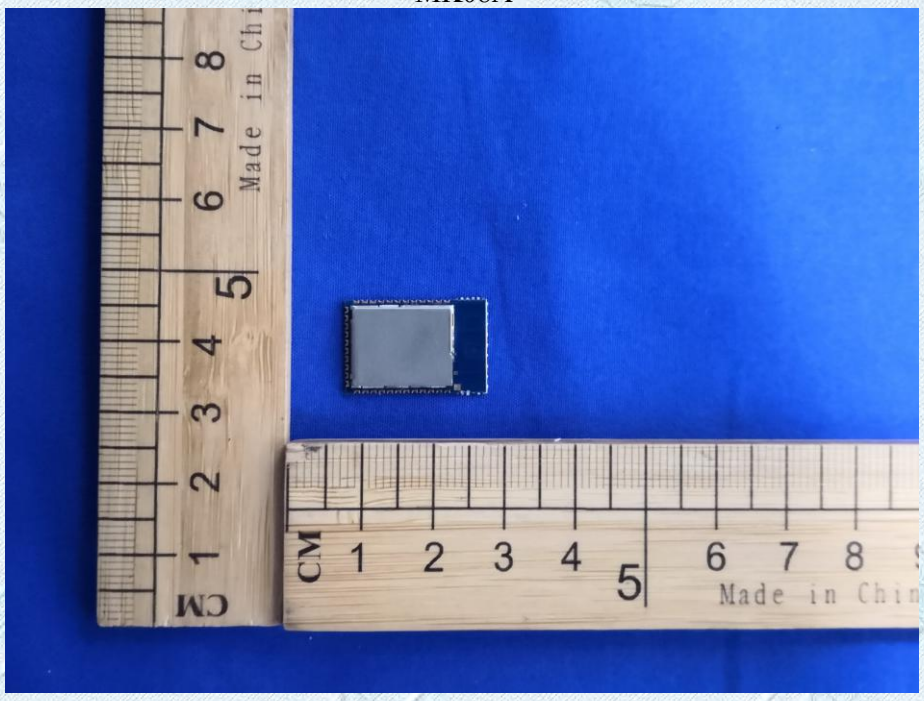
CONDUCTED EMISSION TEST SETUP

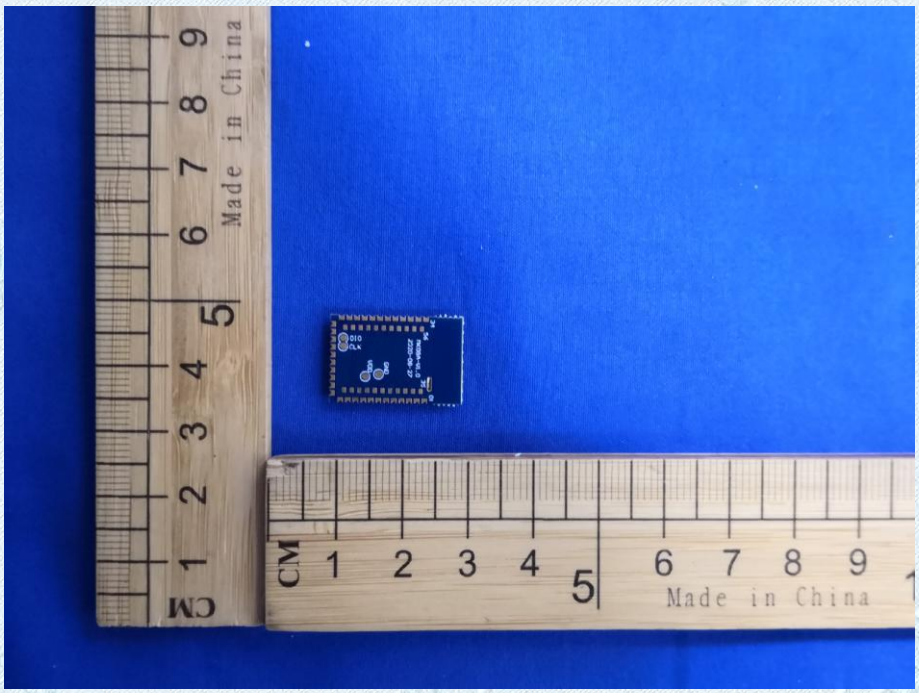


5.PHOTOGRAPHS OF EUT CONSTRUCTIONAL

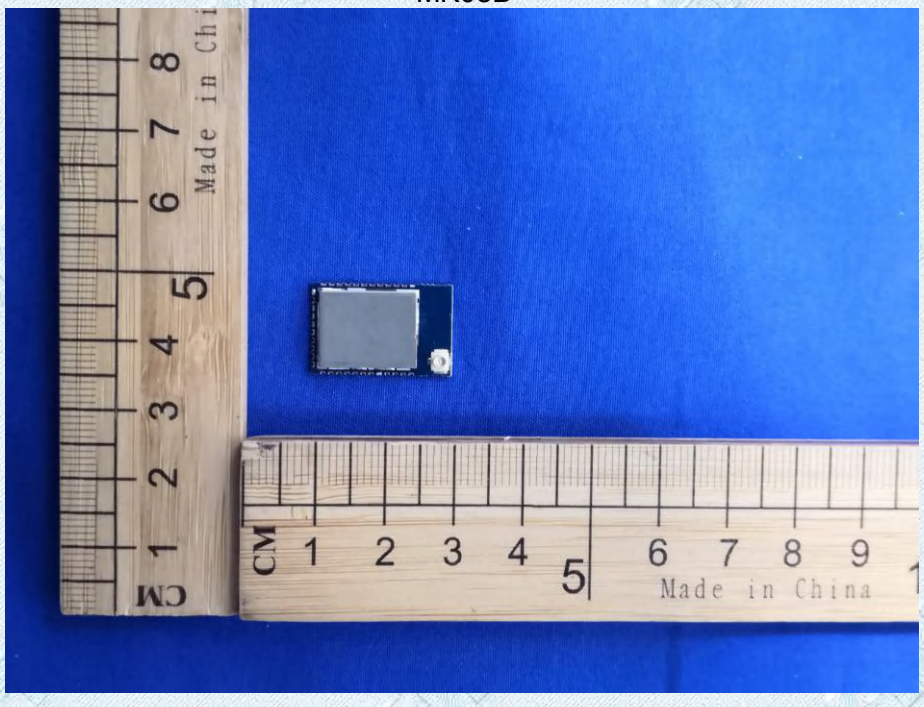
External Photographs

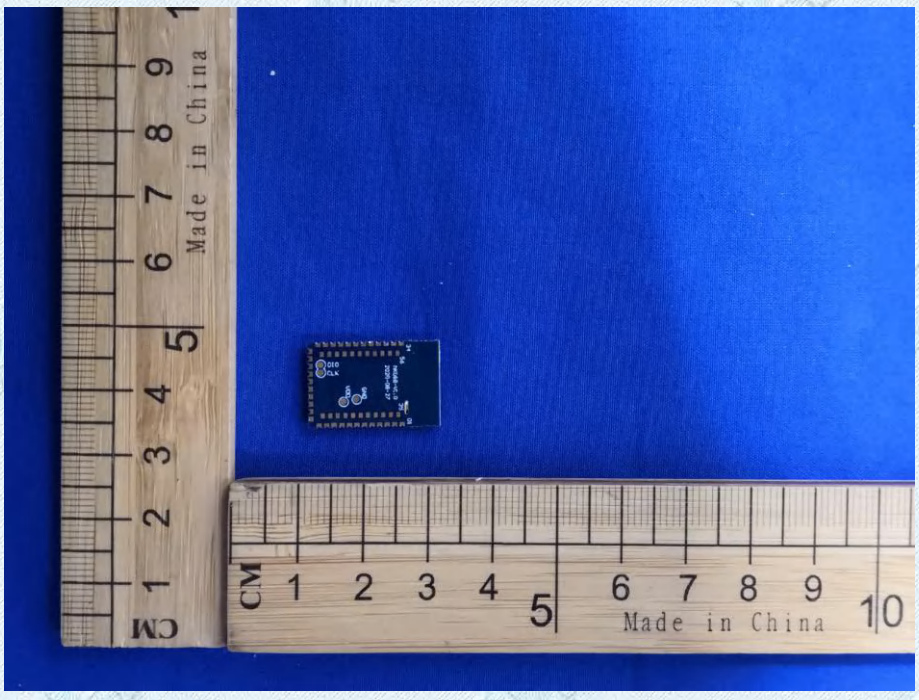
MK08A





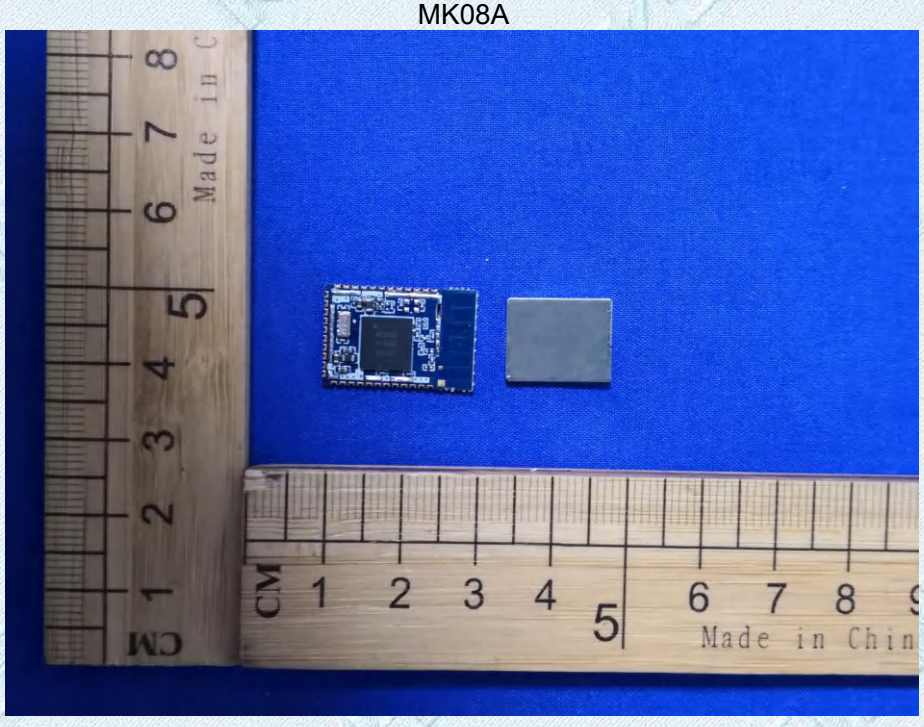
MK08B

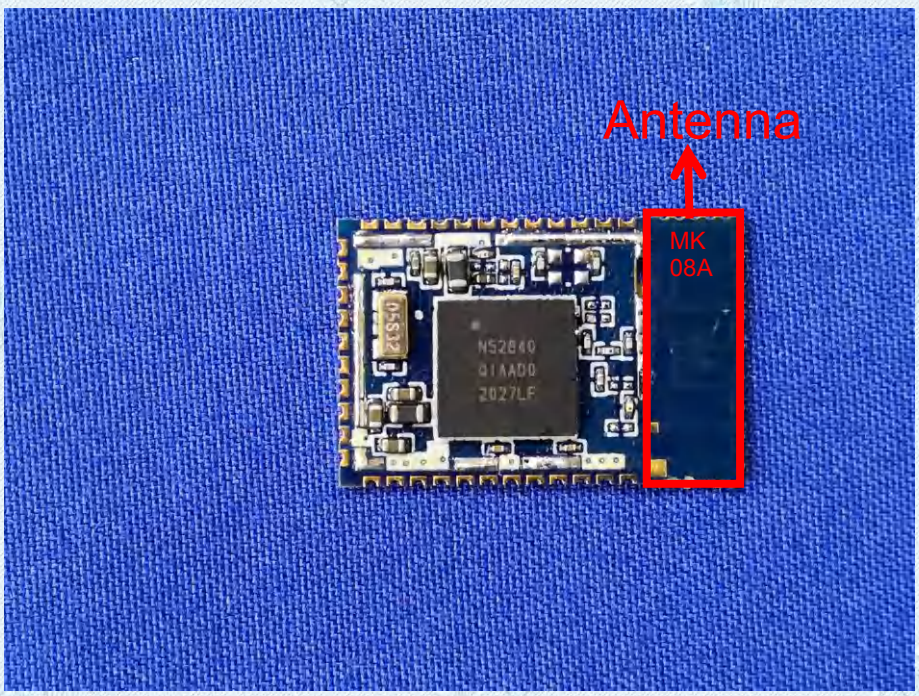




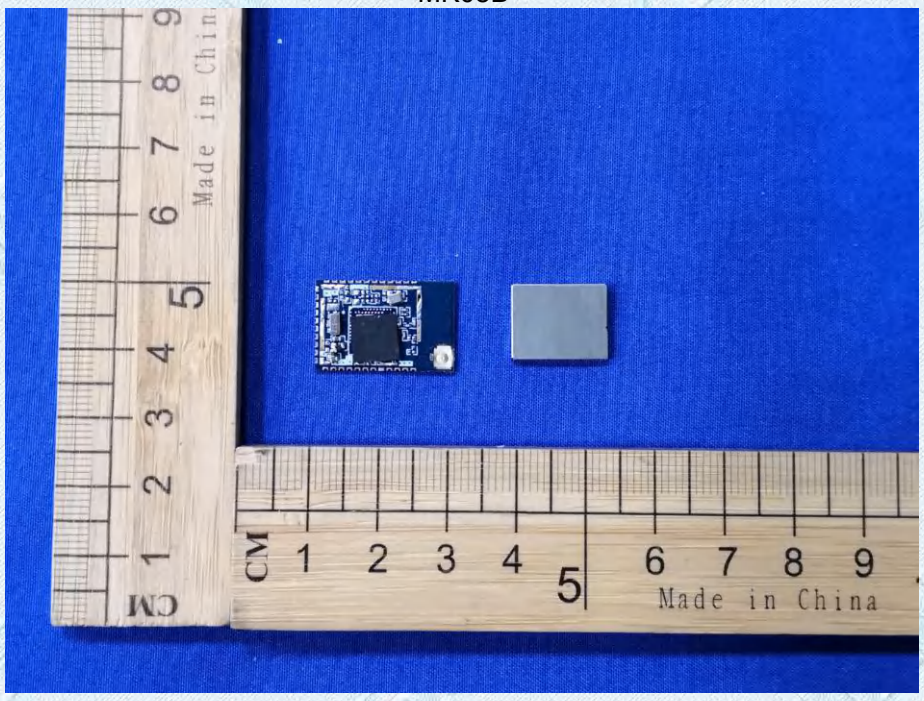
Internal Photographs

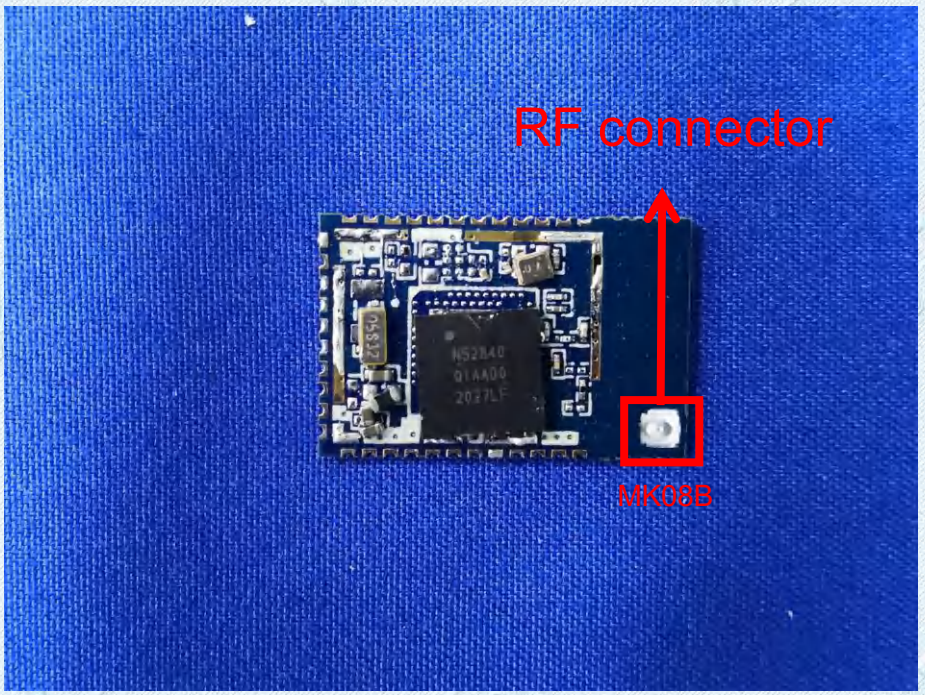
MK08A





MK08B





******THE END*****