

## TEST REPORT

**Product** : Baby Health Monitor  
**Trade mark** : N/A  
**Model/Type reference** : R1-A1, R1-A2, R1-A3, R1-A4,  
R1-B1, R1-B2, R1-B3, R1-B4  
**Serial Number** : N/A  
**Report Number** : EED32L00174701  
**FCC ID** : 2ATZRR1Q1AB01  
**Date of Issue** : Jul. 29, 2019  
**Test Standards** : 47 CFR Part 15Subpart C  
**Test result** : PASS

Prepared for:

**QuantMed LifeTech (Shenzhen) Co., Ltd.**  
**1F, Huigu, Meisheng Chuanggu Science and Technology Park,**  
**No. 10 Longchang Road, Baoan District, Shenzhen**

Prepared by:

**Centre Testing International Group Co., Ltd.**  
**Hongwei Industrial Zone, Bao'an 70 District,**  
**Shenzhen, Guangdong, China**

**TEL: +86-755-3368 3668**

**FAX: +86-755-3368 3385**

Compiled by:

*Alex Wu*

Reviewed by:

*Ware Xin*

Approved by:

*Kevin Yang*

Date:

Ware Xin  
Jul. 29, 2019

Check No.:3096335462



## 2 Version

Version No.	Date	Description
00	Jul. 29, 2019	Original

### 3 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15Subpart C Section 15.203/15.247 (c)	ANSI C63.10-2013	N/A
AC Power Line Conducted Emission	47 CFR Part 15Subpart C Section 15.207	ANSI C63.10-2013	PASS
Conducted Peak Output Power	47 CFR Part 15Subpart C Section 15.247 (b)(3)	ANSI C63.10-2013	PASS
6dB Occupied Bandwidth	47 CFR Part 15Subpart C Section 15.247 (a)(2)	ANSI C63.10-2013	PASS
Power Spectral Density	47 CFR Part 15Subpart C Section 15.247 (e)	ANSI C63.10-2013	PASS
Band-edge for RF Conducted Emissions	47 CFR Part 15Subpart C Section 15.247(d)	ANSI C63.10-2013	PASS
RF Conducted Spurious Emissions	47 CFR Part 15Subpart C Section 15.247(d)	ANSI C63.10-2013	PASS
Radiated Spurious Emissions	47 CFR Part 15Subpart C Section 15.205/15.209	ANSI C63.10-2013	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15Subpart C Section 15.205/15.209	ANSI C63.10-2013	PASS

**Remark:**

Test according to ANSI C63.4-2014 & ANSI C63.10-2013.

The tested sample(s) and the sample information are provided by the client.

Model No.: R1-A1, R1-A2, R1-A3, R1-A4, R1-B1, R1-B2, R1-B3, R1-B4

Only the model R1-A1 was tested, since the electrical circuit design, layout, components used and internal wiring were identical for the above models, with difference model name.

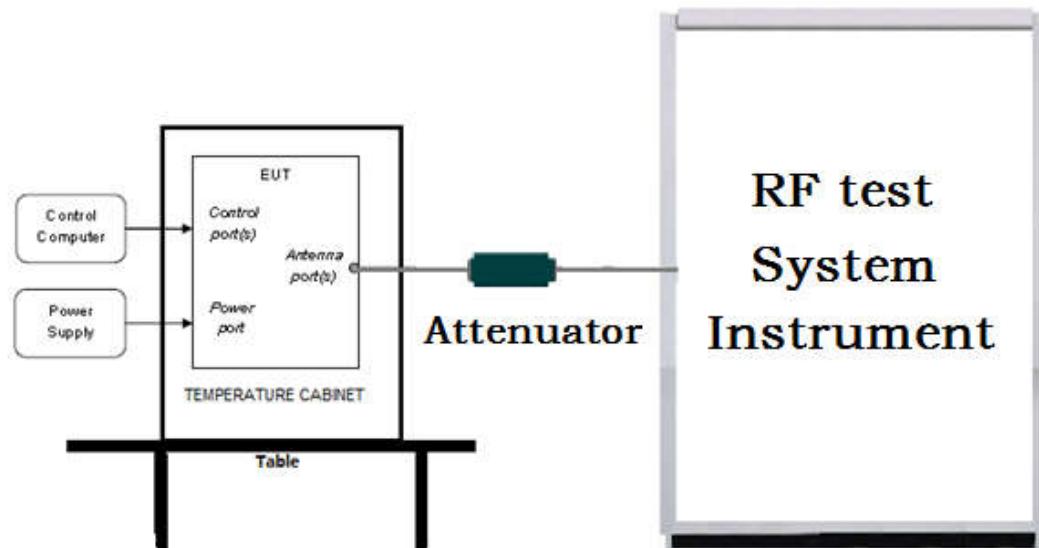
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## 5 Test Requirement

### 5.1 Test setup

#### 5.1.1 For Conducted test setup



#### 5.1.2 For Radiated Emissions test setup

##### Radiated Emissions setup:

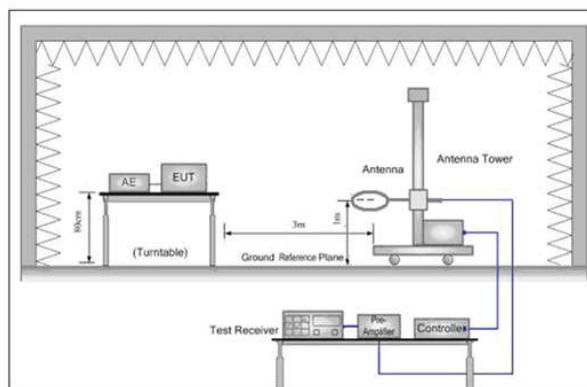


Figure 1. Below 30MHz

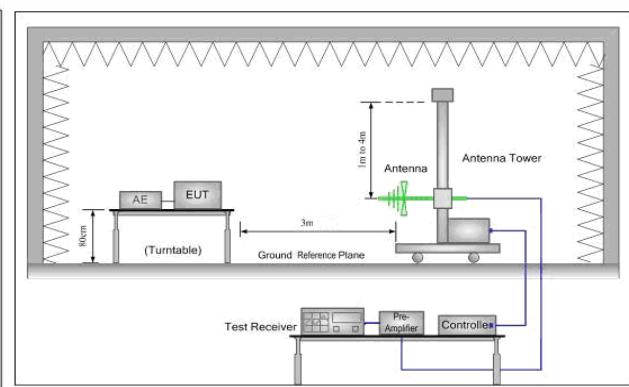


Figure 2. 30MHz to 1GHz

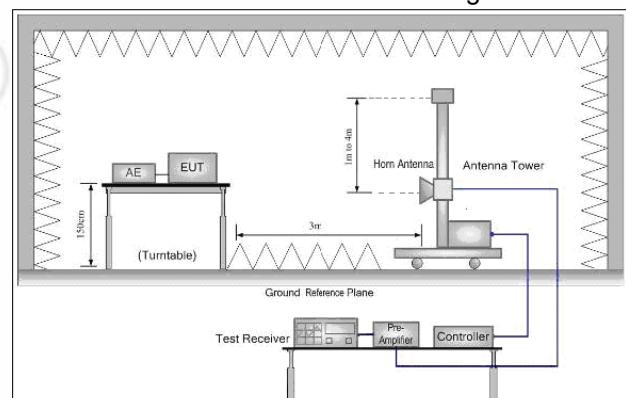
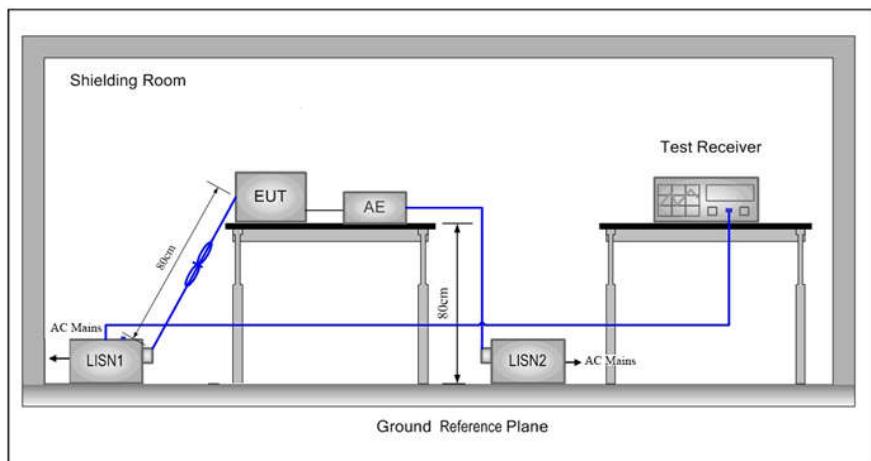


Figure 3. Above 1GHz

### 5.1.3 For Conducted Emissions test setup

#### Conducted Emissions setup



## 5.2 Test Environment

### Operating Environment:

Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010mbar

## 5.3 Test Condition

Test channel:

Test Mode	Tx/Rx	RF Channel		
		Low(L)	Middle(M)	High(H)
GFSK	2402MHz ~2480 MHz	Channel 1	Channel 20	Channel 40
		2402MHz	2440MHz	2480MHz
Transmitting mode:	Keep the EUT in transmitting mode with all kind of modulation and all kind of data rate.			

## 6 General Information

### 6.1 Client Information

Applicant:	QuantMed LifeTech (Shenzhen) Co., Ltd.
Address of Applicant:	1F, Huigu, Meisheng Chuanggu Science and Technology Park, No. 10 Longchang Road, Baoan District, Shenzhen
Manufacturer:	QuantMed LifeTech (Shenzhen) Co., Ltd.
Address of Manufacturer:	1F, Huigu, Meisheng Chuanggu Science and Technology Park, No. 10 Longchang Road, Baoan District, Shenzhen
Factory:	QuantMed LifeTech (Shenzhen) Co., Ltd.
Address of Factory:	1F, Huigu, Meisheng Chuanggu Science and Technology Park, No. 10 Longchang Road, Baoan District, Shenzhen

### 6.2 General Description of EUT

Product Name:	Baby Health Monitor
Model No.(EUT):	R1-A1, R1-A2, R1-A3, R1-A4, R1-B1, R1-B2, R1-B3, R1-B4
Test Model No.:	R1-A1
Trade mark:	N/A
EUT Supports Radios application:	BT4.2 Single mode:2402-2480MHz;
AC Adapter	Model:GQ06-050050-AU Input:100-240V Output:5.0V
Sample Received Date:	Jul. 02, 2019
Sample tested Date:	Jul. 02, 2019 to Jul. 25, 2019

### 6.3 Product Specification subjective to this standard

Operation Frequency:	2402-2480MHz;
Bluetooth Version:	4.2
Modulation Type:	GFSK
Test Power Grade:	N/A(manufacturer declare)
Test Software of EUT:	nRFgo Studio(manufacturer declare)
Antenna Type and Gain:	Internal Antenna and 1.5dbi
Test Voltage:	AC120V,60Hz

Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2402MHz	11	2422MHz	21	2442MHz	31	2462MHz
2	2404MHz	12	2424MHz	22	2444MHz	32	2464MHz
3	2406MHz	13	2426MHz	23	2446MHz	33	2466MHz
4	2408MHz	14	2428MHz	24	2448MHz	34	2468MHz
5	2410MHz	15	2430MHz	25	2450MHz	35	2470MHz
6	2412MHz	16	2432MHz	26	2452MHz	36	2472MHz
7	2414MHz	17	2434MHz	27	2454MHz	37	2474MHz
8	2416MHz	18	2436MHz	28	2456MHz	38	2476MHz
9	2418MHz	19	2438MHz	29	2458MHz	39	2478MHz
10	2420MHz	20	2440MHz	30	2460MHz	40	2480MHz

## 6.4 Description of Support Units

The EUT has been tested independently

## 6.5 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

None.

## 6.6 Abnormalities from Standard Conditions

None.

## 6.7 Other Information Requested by the Customer

None.

**6.8 Measurement Uncertainty (95% confidence levels, k=2)**

No.	Item	Measurement Uncertainty
1	Radio Frequency	$7.9 \times 10^{-8}$
2	RF power, conducted	0.46dB (30MHz-1GHz)
		0.55dB (1GHz-18GHz)
3	Radiated Spurious emission test	4.3dB (30MHz-1GHz)
		4.5dB (1GHz-12.75GHz)
4	Conduction emission	3.5dB (9kHz to 150kHz)
		3.1dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	3.8%
7	DC power voltages	0.026%

## 7 Equipment List

RF test system					
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Signal Generator	Keysight	E8257D	MY53401106	03-01-2019	02-28-2020
Spectrum Analyzer	Keysight	N9010A	MY54510339	03-01-2019	02-28-2020
Signal Generator	Keysight	N5182B	MY53051549	03-01-2019	02-28-2020
High-pass filter	Sinoscite	FL3CX03WG1 8NM12-0398-002	---	01-09-2019	01-08-2020
High-pass filter	MICRO-TRONICS	SPA-F-63029-4	---	01-09-2019	01-08-2020
DC Power	Keysight	E3642A	MY54426035	03-01-2019	02-28-2020
PC-1	Lenovo	R4960d	---	03-01-2019	02-28-2020
BT&WI-FI Automatic control	R&S	OSP120	101374	03-01-2019	02-28-2020
RF control unit	JS Tonscend	JS0806-2	15860006	03-01-2019	02-28-2020
RF control unit	JS Tonscend	JS0806-1	15860004	03-01-2019	02-28-2020
RF control unit	JS Tonscend	JS0806-4	158060007	03-01-2019	02-28-2020
BT&WI-FI Automatic test software	JS Tonscend	JS1120-2	---	03-01-2019	02-28-2020
Temperature/Humidity Indicator	biaozhi	HM10	1804186	10-12-2018	10-11-2019

3M Semi/full-anechoic Chamber					
Equipment	Manufacturer	Model No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
3M Chamber & Accessory Equipment	TDK	SAC-3	---	05-24-2019	05-22-2020
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	9163-401	12-21-2018	12-20-2019
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	9163-618	07-30-2018	07-29-2019
Microwave Preamplifier	Agilent	8449B	3008A024 25	08-21-2018	08-20-2019
Microwave Preamplifier	Tonscend	EMC051845 SE	980380	01-16-2019	01-15-2020
Horn Antenna	Schwarzbeck	BBHA 9120D	9120D- 1869	04-25-2018	04-23-2021
Horn Antenna	ETS-LINDGREN	3117	00057410	06-05-2018	06-03-2021
Double ridge horn antenna	A.H.SYSTEMS	SAS-574	374	06-05-2018	06-04-2021
Pre-amplifier	A.H.SYSTEMS	PAP-1840-60	6041.604 1	08-08-2018	08-07-2019
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B- 076	04-25-2018	04-25-2021
Spectrum Analyzer	R&S	FSP40	100416	04-28-2019	04-26-2020
Receiver	R&S	ESCI	100435	05-20-2019	05-18-2020
Receiver	R&S	ESCI7	100938- 003	11-23-2018	11-22-2019
Multi device Controller	maturo	NCD/070/107 11112	---	01-09-2019	01-08-2020
Signal Generator	Agilent	E4438C	MY45095 744	03-01-2019	02-28-2020
Signal Generator	Keysight	E8257D	MY53401 106	03-01-2019	02-28-2020
Temperature/ Humidity Indicator	Shanghai qixiang	HM10	1804298	10-12-2018	10-11-2019
Communication test set	Agilent	E5515C	GB47050 534	03-01-2019	02-28-2020
Cable line	Fulai(7M)	SF106	5219/6A	01-09-2019	01-08-2020
Cable line	Fulai(6M)	SF106	5220/6A	01-09-2019	01-08-2020
Cable line	Fulai(3M)	SF106	5216/6A	01-09-2019	01-08-2020
Cable line	Fulai(3M)	SF106	5217/6A	01-09-2019	01-08-2020
High-pass filter	Sinoscite	FL3CX03WG 18NM12- 0398-002	---	01-09-2019	01-08-2020
High-pass filter	MICRO-TRONICS	SPA-F- 63029-4	---	01-09-2019	01-08-2020
band rejection filter	Sinoscite	FL5CX01CA0 9CL12-0395- 001	---	01-09-2019	01-08-2020
band rejection filter	Sinoscite	FL5CX01CA0 8CL12-0393- 001	---	01-09-2019	01-08-2020
band rejection filter	Sinoscite	FL5CX02CA0 4CL12-0396- 002	---	01-09-2019	01-08-2020
band rejection filter	Sinoscite	FL5CX02CA0 3CL12-0394- 001	---	01-09-2019	01-08-2020

3M full-anechoic Chamber					
Equipment	Manufacturer	Model No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
RSE Automatic test software	JS Tonscend	JS36-RSE	10166	06-18-2019	06-17-2020
Receiver	Keysight	N9038A	MY57290136	03-27-2019	03-25-2020
Spectrum Analyzer	Keysight	N9020B	MY571111112	03-27-2019	03-25-2020
Spectrum Analyzer	Keysight	N9030B	MY57140871	03-27-2019	03-25-2020
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-075	04-25-2018	04-23-2021
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-076	04-25-2018	04-23-2021
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-25-2018	04-23-2021
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-25-2018	04-23-2021
Horn Antenna	Schwarzbeck	BBHA 9170	9170-829	04-25-2018	04-23-2021
Communication Antenna	Schwarzbeck	CLSA 0110L	1014	02-14-2019	02-13-2020
Biconical antenna	Schwarzbeck	VUBA 9117	9117-381	04-25-2018	04-23-2021
Horn Antenna	ETS-LINDGREN	3117	00057407	07-10-2018	07-08-2021
Preamplifier	EMCI	EMC18405 5SE	980596	05-22-2019	05-20-2020
Communication test set	R&S	CMW500	102898	01-18-2019	01-17-2020
Preamplifier	EMCI	EMC001330	980563	05-08-2019	05-06-2020
Preamplifier	Agilent	8449B	3008A02425	08-21-2018	08-20-2019
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	05-01-2019	04-30-2020
Signal Generator	KEYSIGHT	E8257D	MY53401106	03-01-2019	02-28-2020
Fully Anechoic Chamber	TDK	FAC-3	---	01-17-2018	01-15-2021
Filter bank	JS Tonscend	JS0806-F	188060094	04-10-2018	04-08-2021
Cable line	Times	SFT205-NMSM-2.50M	394812-0001	01-09-2019	01-08-2020
Cable line	Times	SFT205-NMSM-2.50M	394812-0002	01-09-2019	01-08-2020
Cable line	Times	SFT205-NMSM-2.50M	394812-0003	01-09-2019	01-08-2020
Cable line	Times	SFT205-NMSM-2.50M	393495-0001	01-09-2019	01-08-2020
Cable line	Times	EMC104-NMNM-1000	SN160710	01-09-2019	01-08-2020
Cable line	Times	SFT205-NMSM-3.00M	394813-0001	01-09-2019	01-08-2020
Cable line	Times	SFT205-NMNM-1.50M	381964-0001	01-09-2019	01-08-2020
Cable line	Times	SFT205-NMSM-7.00M	394815-0001	01-09-2019	01-08-2020
Cable line	Times	HF160-KMKM-3.00M	393493-0001	01-09-2019	01-08-2020

Conducted disturbance Test					
Equipment	Manufacturer	Model No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Receiver	R&S	ESCI	100435	05-20-2019	05-18-2020
Temperature/ Humidity Indicator	Defu	TH128	/	06-14-2019	06-12-2020
Communication test set	Agilent	E5515C	GB47050 534	03-01-2019	02-28-2020
Communication test set	R&S	CMW500	102898	01-18-2019	01-17-2020
LISN	R&S	ENV216	100098	05-08-2019	05-06-2020
LISN	schwarzbeck	NNLK8121	8121-529	05-08-2019	05-06-2020
Voltage Probe	R&S	ESH2-Z3 0299.7810.5 6	100042	06-13-2017	06-11-2020
Current Probe	R&S	EZ-17 816.2063.03	100106	05-20-2019	05-18-2020
ISN	TESEQ	ISN T800	30297	01-06-2019	01-15-2020
Barometer	changchun	DYM3	1188	06-20-2019	06-18-2020

## 8 Radio Technical Requirements Specification

### Reference documents for testing:

No.	Identity	Document Title
1	FCC Part15C	Subpart C-Intentional Radiators
2	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

### Test Results List:

Test Requirement	Test method	Test item	Verdict	Note
Part15C Section 15.247 (a)(2)	ANSI C63.10	6dB Occupied Bandwidth	PASS	Appendix A)
Part15C Section 15.247 (b)(3)	ANSI C63.10	Conducted Peak Output Power	PASS	Appendix B)
Part15C Section 15.247(d)	ANSI C63.10	Band-edge for RF Conducted Emissions	PASS	Appendix C)
Part15C Section 15.247(d)	ANSI C63.10	RF Conducted Spurious Emissions	PASS	Appendix D)
Part15C Section 15.247 (e)	ANSI C63.10	Power Spectral Density	PASS	Appendix E)
Part15C Section 15.203/15.247 (c)	ANSI C63.10	Antenna Requirement	PASS	Appendix F)
Part15C Section 15.207	ANSI C63.10	AC Power Line Conducted Emission	PASS	Appendix G)
Part15C Section 15.205/15.209	ANSI C63.10	Restricted bands around fundamental frequency (Radiated Emission)	PASS	Appendix H)
Part15C Section 15.205/15.209	ANSI C63.10	Radiated Spurious Emissions	PASS	Appendix I)

**Appendix A): 6dB Occupied Bandwidth****Test Result**

Mode	Channel	6dB Bandwidth [MHz]	99% OBW[MHz]	Verdict
BLE	LCH	0.6891	1.0650	PASS
BLE	MCH	0.6865	1.0691	PASS
BLE	HCH	0.6874	1.0723	PASS

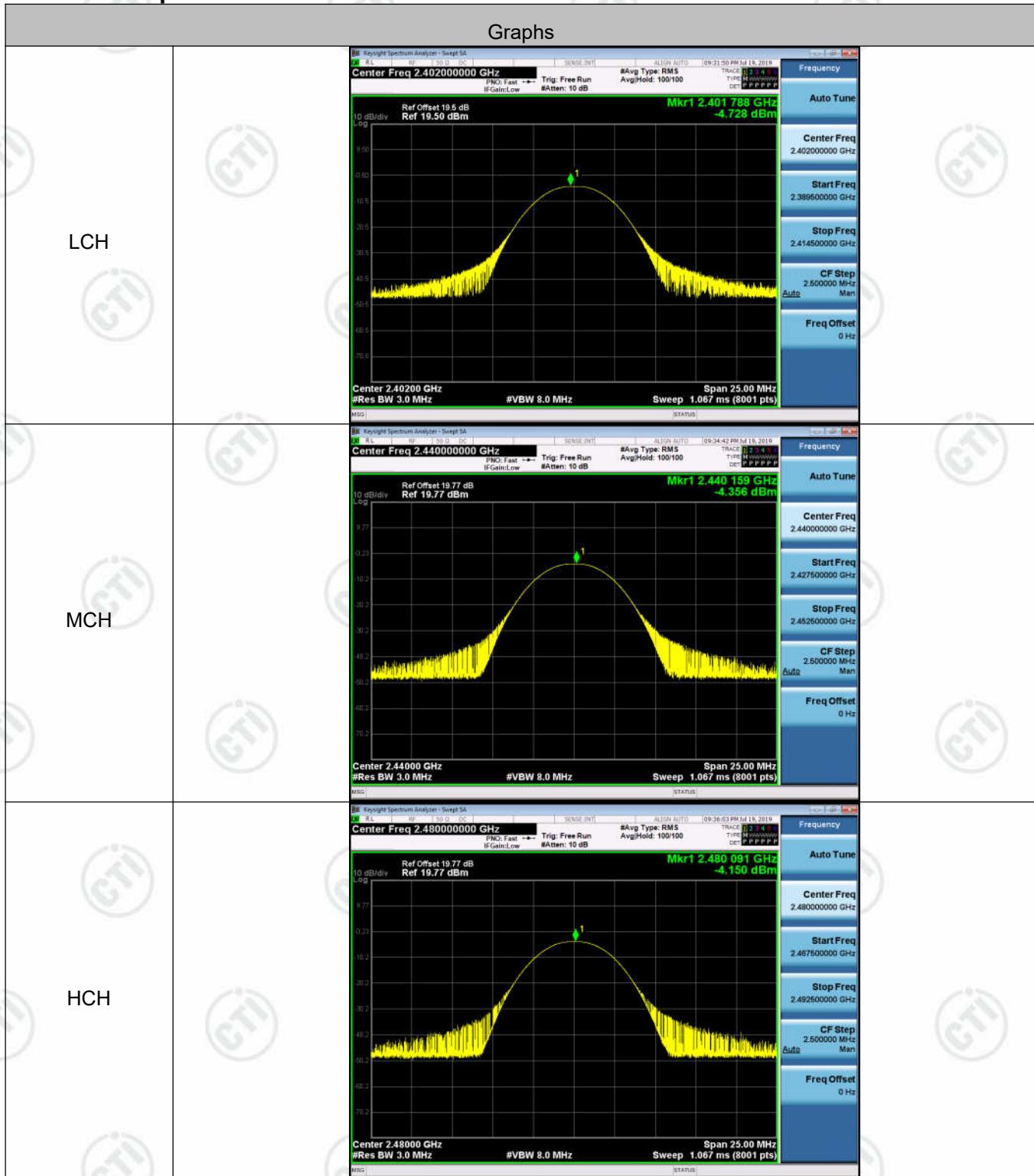
### Test Graphs

		Graphs	
LCH		 <p>Center Freq 2.402000000 GHz Occupied Bandwidth 1.0650 MHz Total Power 1.50 dBm</p>	<p>Frequency Center Freq 2.402000000 GHz CF Step 300.000 kHz Man Freq Offset 0 Hz</p>
MCH		 <p>Center Freq 2.440000000 GHz Occupied Bandwidth 1.0691 MHz Total Power 1.85 dBm</p>	<p>Frequency Center Freq 2.440000000 GHz CF Step 300.000 kHz Man Freq Offset 0 Hz</p>
HCH		 <p>Center Freq 2.480000000 GHz Occupied Bandwidth 1.0723 MHz Total Power 2.06 dBm</p>	<p>Frequency Center Freq 2.480000000 GHz CF Step 300.000 kHz Man Freq Offset 0 Hz</p>

**Appendix B): Conducted Peak Output Power****Test Result**

Mode	Channel	Conduct Peak Power[dBm]	Verdict
BLE	LCH	-4.728	PASS
BLE	MCH	-4.356	PASS
BLE	HCH	-4.15	PASS

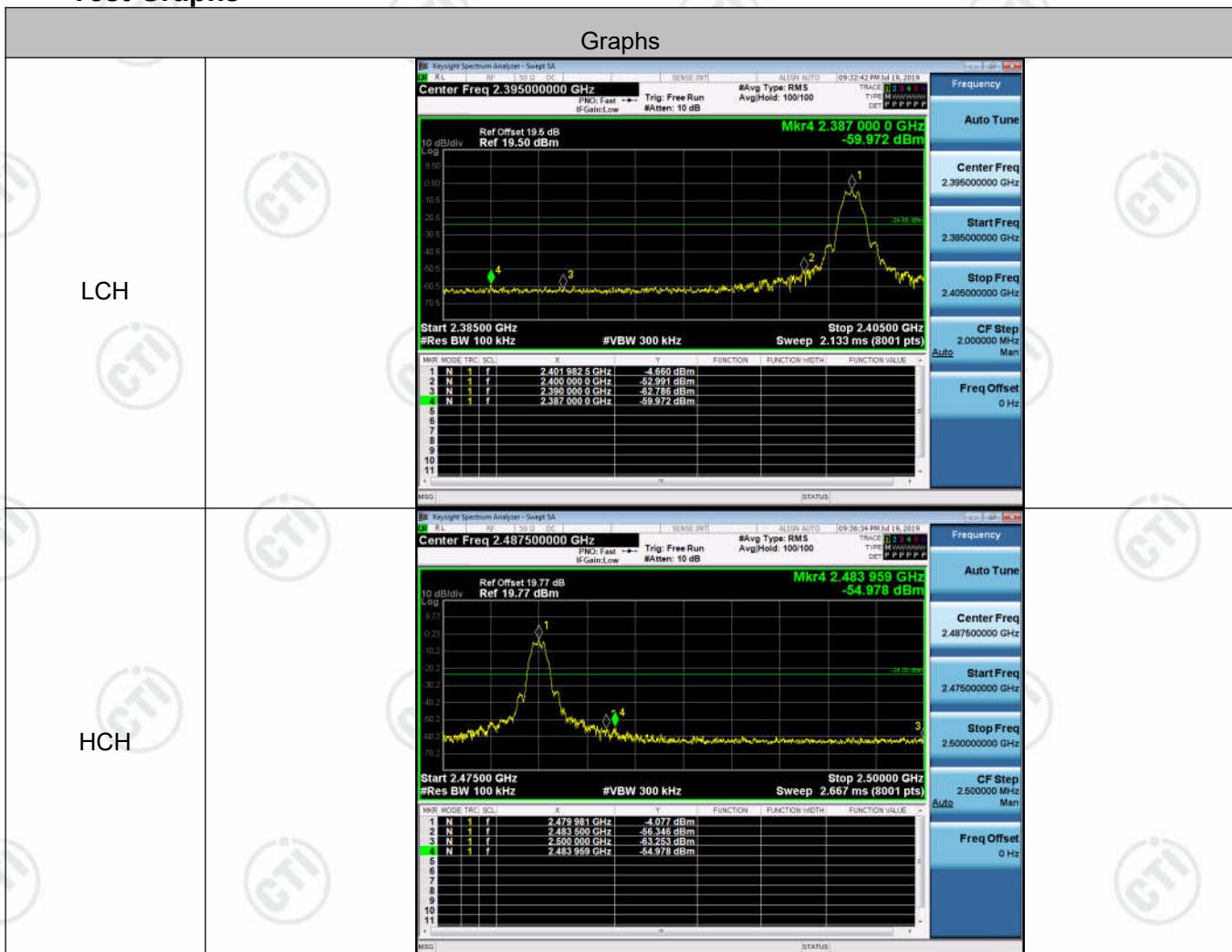
### Test Graphs



**Appendix C): Band-edge for RF Conducted Emissions****Result Table**

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BLE	LCH	-4.660	-59.972	-24.66	PASS
BLE	HCH	-4.077	-54.978	-24.08	PASS

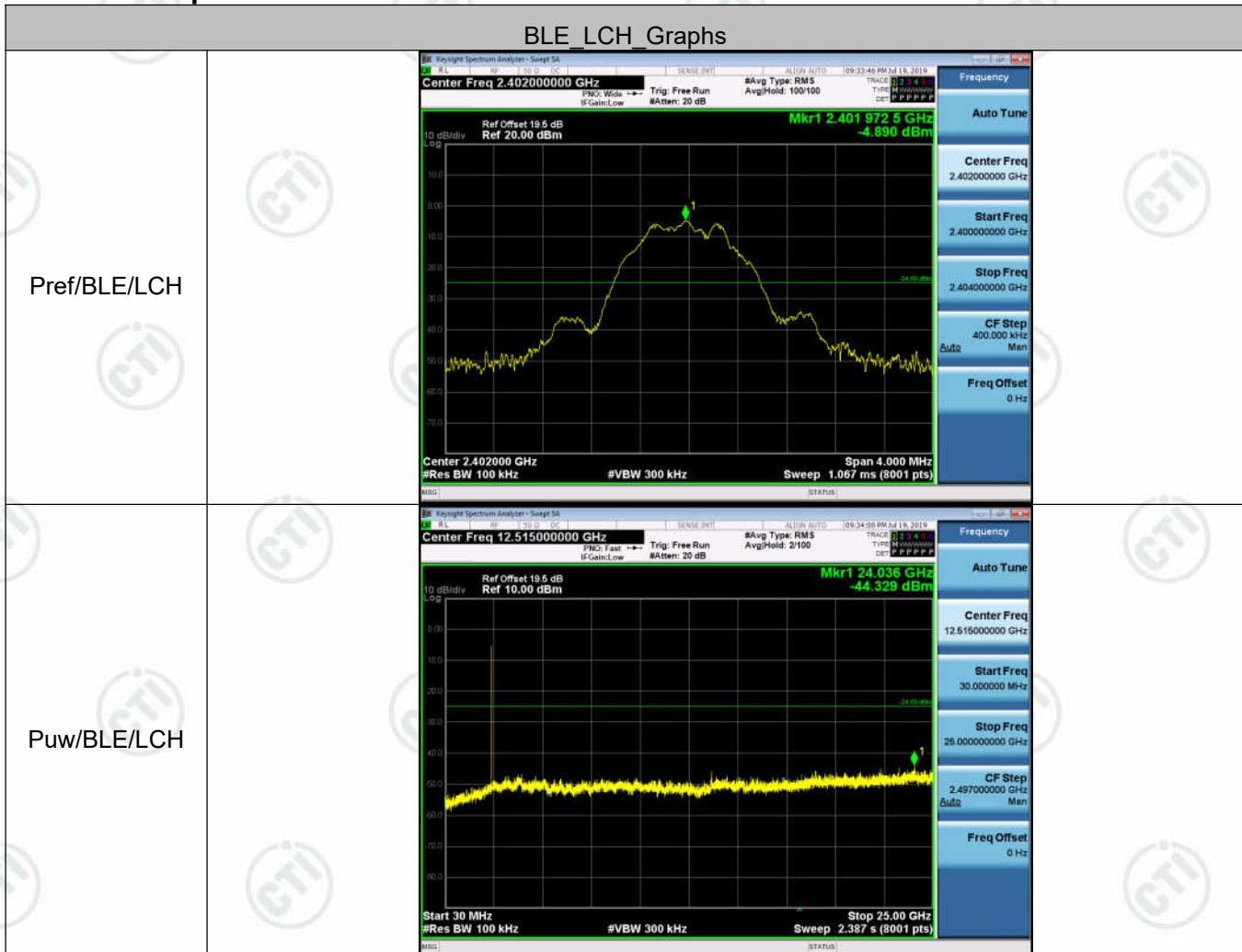
**Test Graphs**

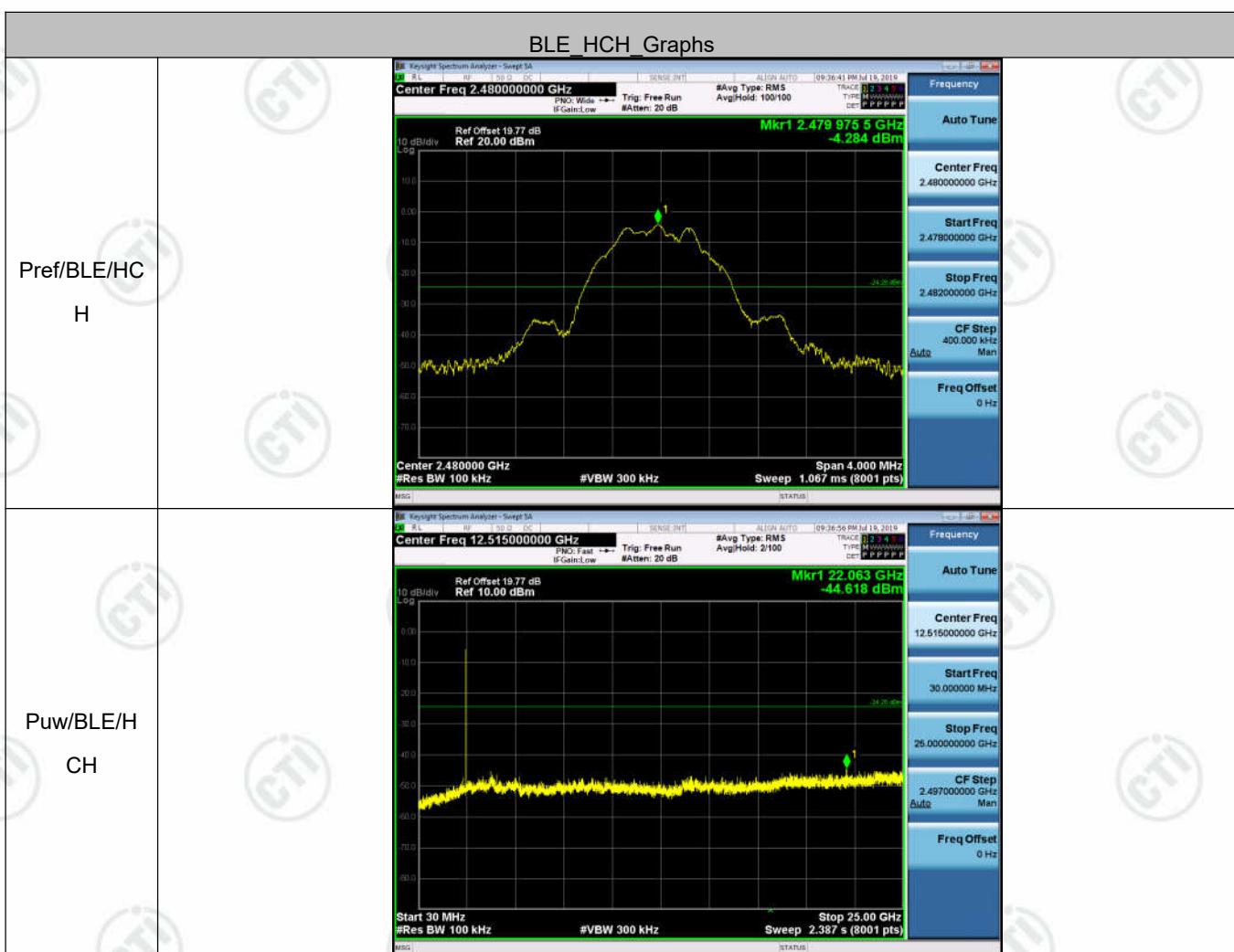
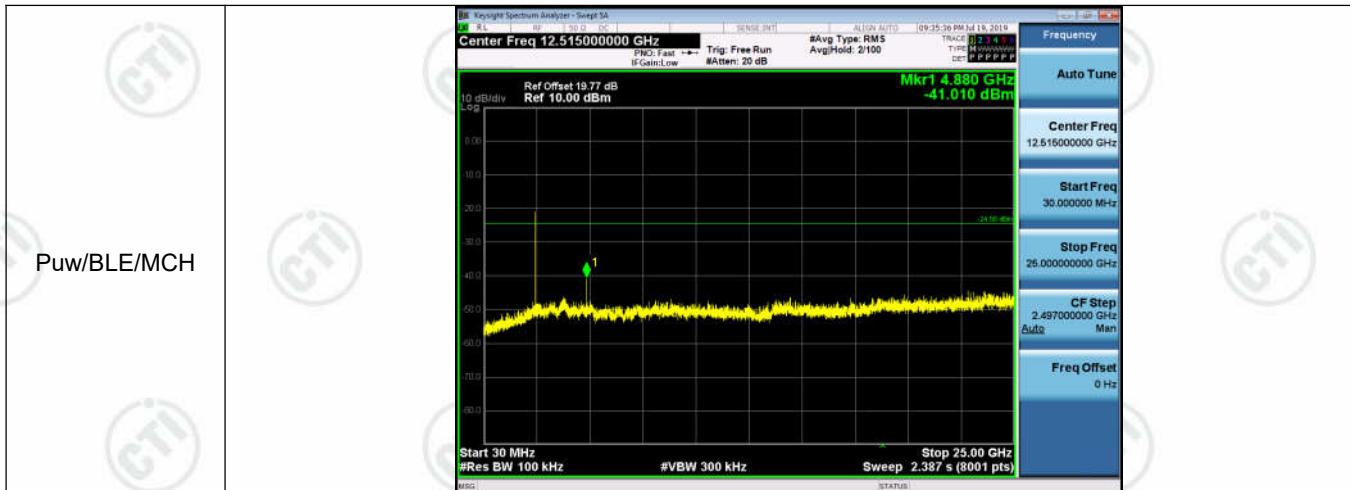


**Appendix D): RF Conducted Spurious Emissions****Result Table**

Mode	Channel	Pref [dBm]	Puw[dBm]	Verdict
BLE	LCH	-4.89	<Limit	PASS
BLE	MCH	-4.563	<Limit	PASS
BLE	HCH	-4.284	<Limit	PASS

### Test Graphs

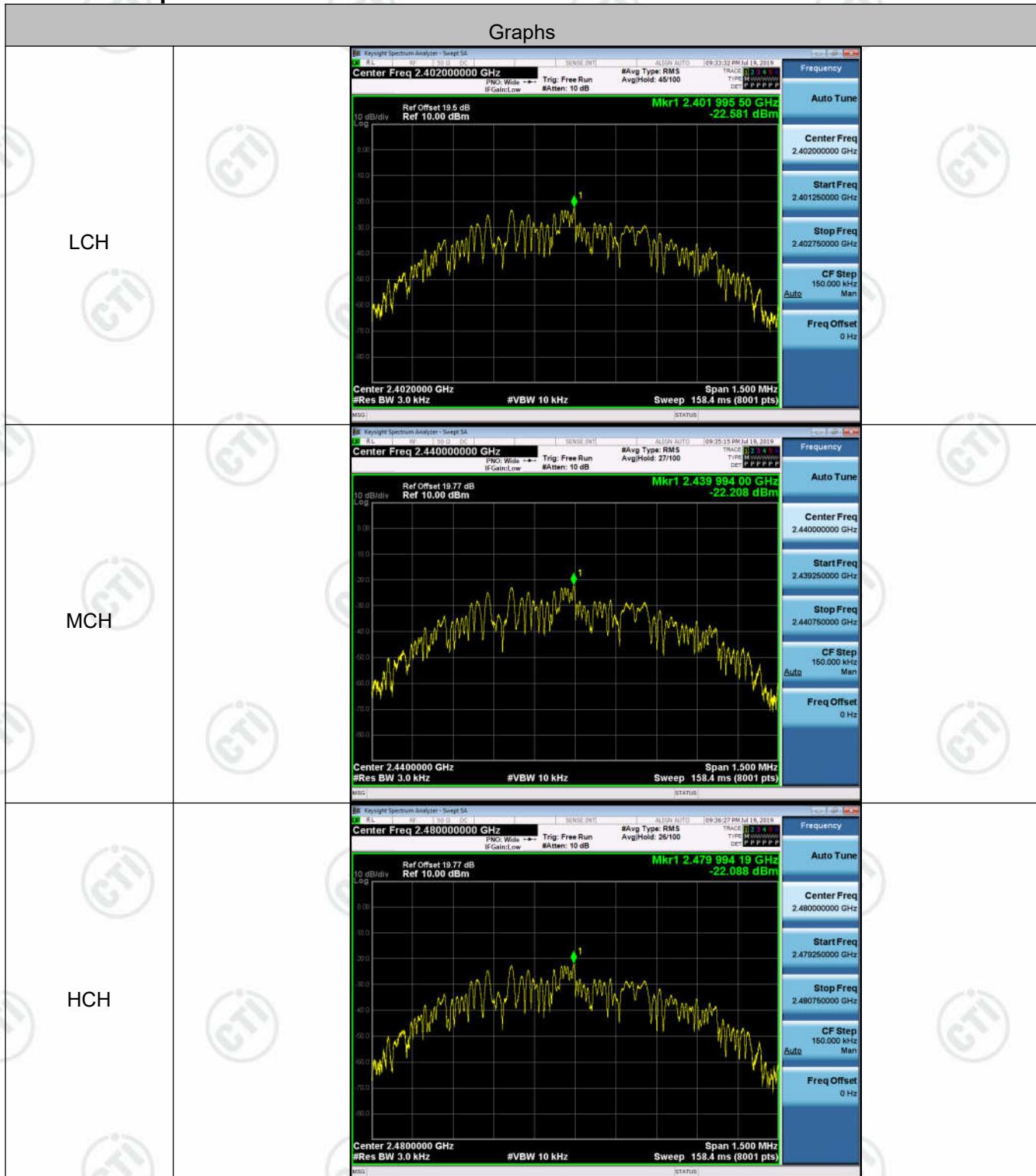




**Appendix E): Power Spectral Density****Result Table**

Mode	Channel	PSD [dBm]	Verdict
BLE	LCH	-22.581	PASS
BLE	MCH	-22.208	PASS
BLE	HCH	-22.088	PASS

### Test Graphs



## Appendix F): Antenna Requirement

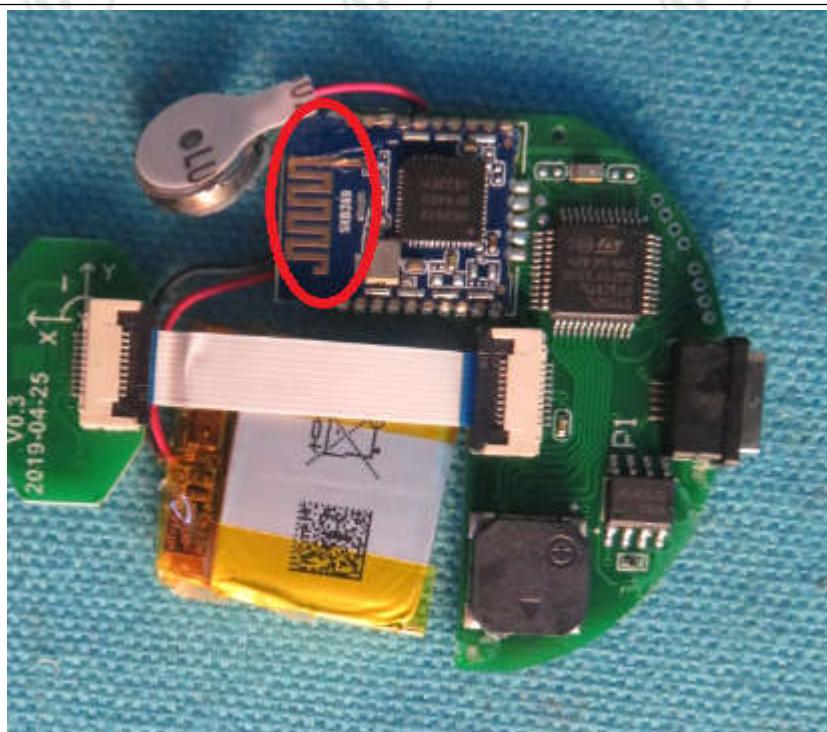
### 15.203 requirement:

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

### 15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### EUT Antenna:



The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 1.5dBi.

## Appendix G): AC Power Line Conducted Emission

Test Procedure:	<p>Test frequency range :150KHz-30MHz</p> <p>1)The mains terminal disturbance voltage test was conducted in a shielded room.</p> <p>2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a <math>50\Omega/50\mu\text{H} + 5\Omega</math> linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.</p> <p>3)The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,</p> <p>4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.</p> <p>5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.</p>																
Limit:	<table border="1"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th> <th colspan="2">Limit (dB<math>\mu</math>V)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15-0.5</td> <td>66 to 56*</td> <td>56 to 46*</td> </tr> <tr> <td>0.5-5</td> <td>56</td> <td>46</td> </tr> <tr> <td>5-30</td> <td>60</td> <td>50</td> </tr> </tbody> </table> <p>* The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.</p> <p>NOTE : The lower limit is applicable at the transition frequency</p>			Frequency range (MHz)	Limit (dB $\mu$ V)		Quasi-peak	Average	0.15-0.5	66 to 56*	56 to 46*	0.5-5	56	46	5-30	60	50
Frequency range (MHz)	Limit (dB $\mu$ V)																
	Quasi-peak	Average															
0.15-0.5	66 to 56*	56 to 46*															
0.5-5	56	46															
5-30	60	50															

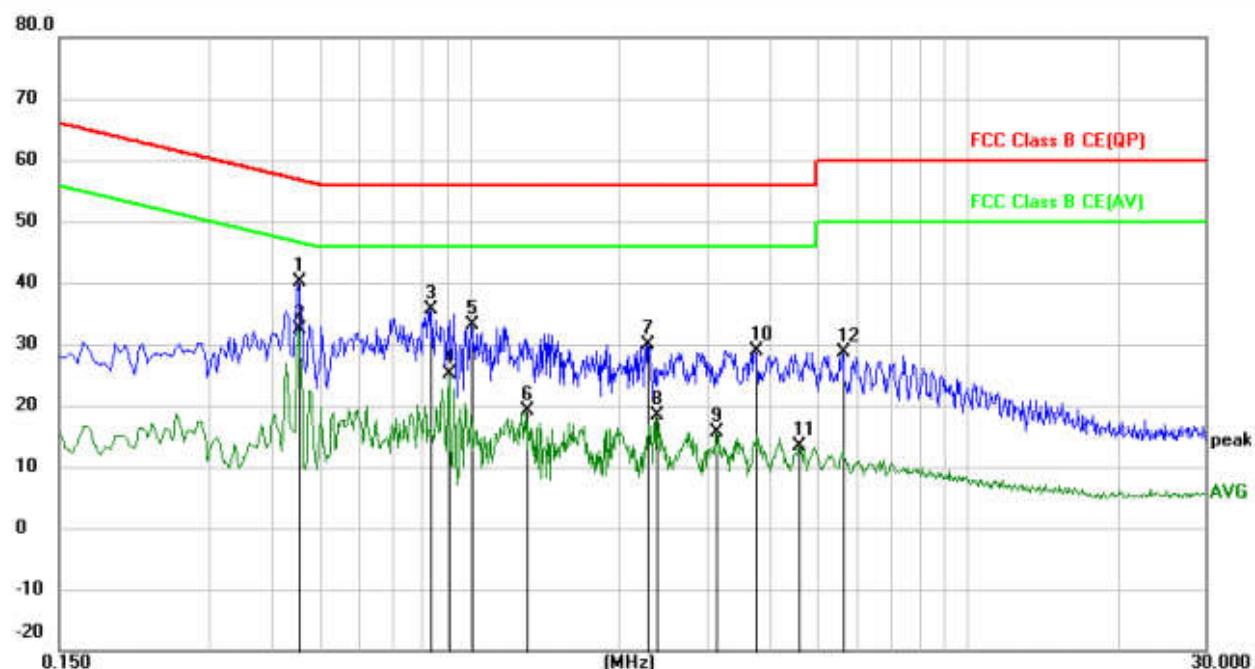
### Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

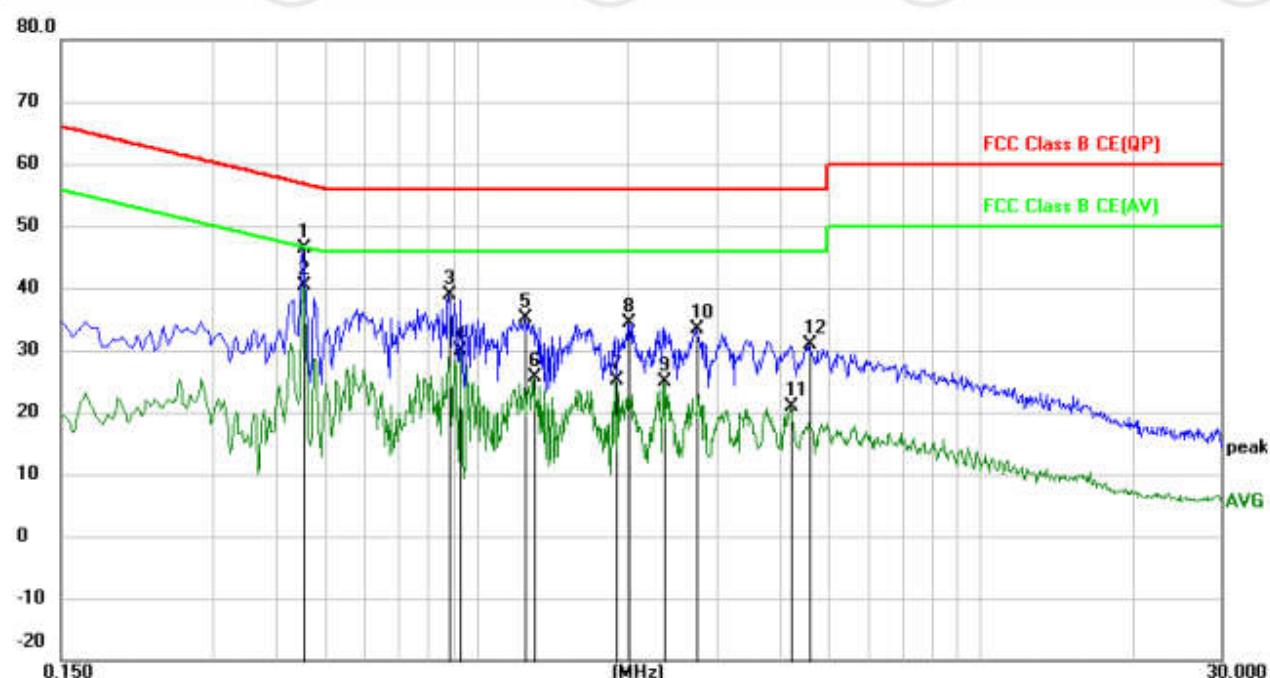
## GRAPHS AND DATA

**Product** : Baby Health Monitor  
**Model/Type reference** : R1-A1  
**Power** : AC 120V/60Hz      **Temperature/Humidity** : 20°C/50%  
**Mode** : ON      **Phase** : L  
**Press** : 101kPa



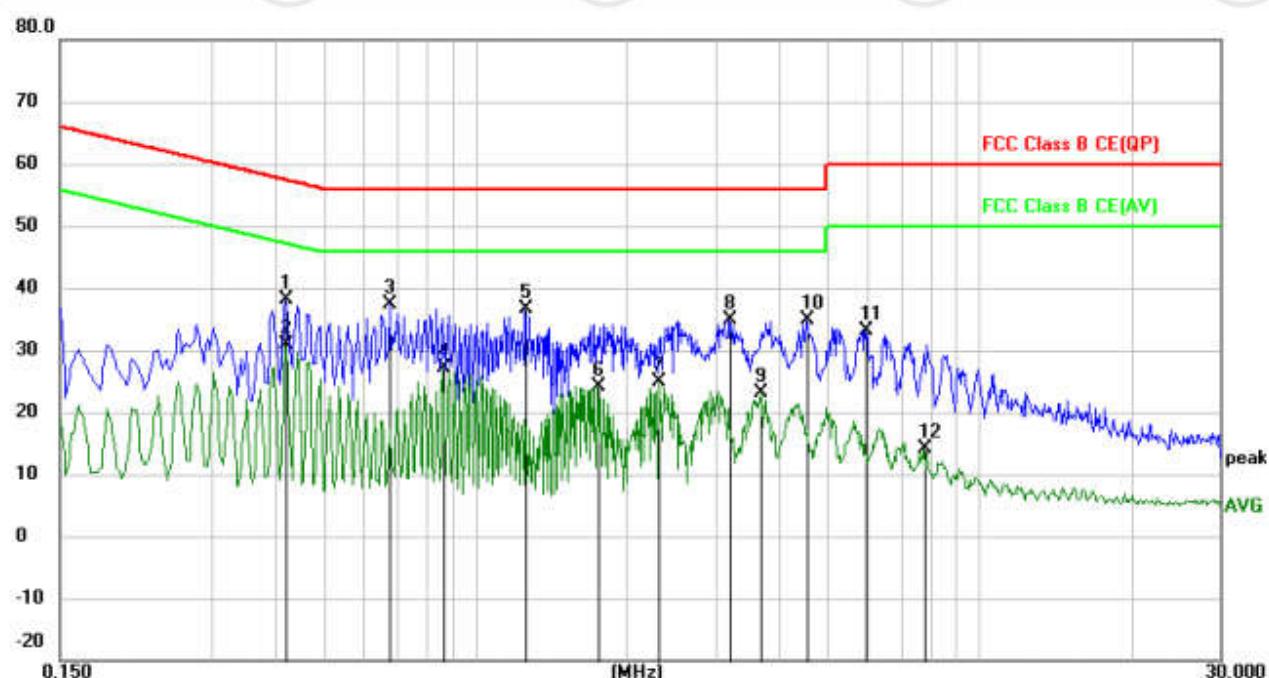
No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
						dBuV	dB	Detector
1	0.4560	30.31	9.89	40.20	56.77	-16.57	peak	
2 *	0.4560	22.55	9.89	32.44	46.77	-14.33	AVG	
3	0.8340	25.91	9.81	35.72	56.00	-20.28	peak	
4	0.9105	15.23	9.82	25.05	46.00	-20.95	AVG	
5	1.0095	23.26	9.81	33.07	56.00	-22.93	peak	
6	1.2975	9.25	9.78	19.03	46.00	-26.97	AVG	
7	2.2740	20.23	9.72	29.95	56.00	-26.05	peak	
8	2.3730	8.75	9.72	18.47	46.00	-27.53	AVG	
9	3.1380	5.94	9.72	15.66	46.00	-30.34	AVG	
10	3.7590	19.20	9.73	28.93	56.00	-27.07	peak	
11	4.5780	3.61	9.73	13.34	46.00	-32.66	AVG	
12	5.6040	18.93	9.73	28.66	60.00	-31.34	peak	

**Product** : Baby Health Monitor  
**Model/Type reference** : R1-A1  
**Power** : AC 120V/60Hz **Temperature/Humidity** : 20°C/50%  
**Mode** : ON **Phase** : N  
**Press** : 101kPa



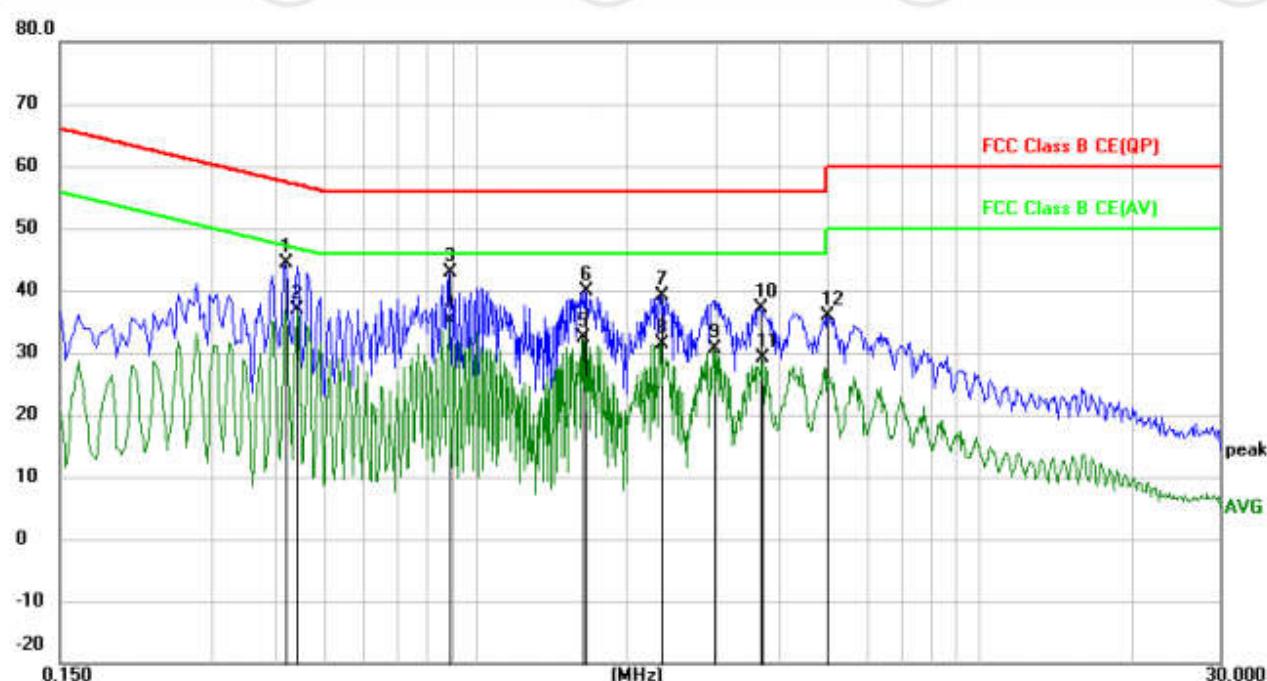
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
1		0.4560	36.60	9.89	46.49	56.77	-10.28	peak	
2	*	0.4560	30.51	9.89	40.40	46.77	-6.37	AVG	
3		0.8835	29.14	9.82	38.96	56.00	-17.04	peak	
4		0.9330	20.08	9.82	29.90	46.00	-16.10	AVG	
5		1.2480	25.35	9.79	35.14	56.00	-20.86	peak	
6		1.2975	15.74	9.78	25.52	46.00	-20.48	AVG	
7		1.8915	15.31	9.73	25.04	46.00	-20.96	AVG	
8		2.0085	24.72	9.72	34.44	56.00	-21.56	peak	
9		2.3460	15.12	9.72	24.84	46.00	-21.16	AVG	
10		2.7285	23.69	9.72	33.41	56.00	-22.59	peak	
11		4.2180	11.07	9.73	20.80	46.00	-25.20	AVG	
12		4.5825	21.22	9.73	30.95	56.00	-25.05	peak	

**Product** : Baby Health Monitor  
**Model/Type reference** : R1-A1  
**Power** : AC 240V/50Hz    **Temperature/Humidity** : 20°C/50%  
**Mode** : ON    **Phase** : L  
**Press** : 101kPa



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dB	Margin Detector	Comment	
								Margin	Detector
1		0.4200	28.16	9.89	38.05	57.45	-19.40	peak	
2	*	0.4200	20.96	9.89	30.85	47.45	-16.60	AVG	
3		0.6765	27.47	9.87	37.34	56.00	-18.66	peak	
4		0.8655	17.35	9.81	27.16	46.00	-18.84	AVG	
5		1.2615	26.84	9.79	36.63	56.00	-19.37	peak	
6		1.7520	14.34	9.74	24.08	46.00	-21.92	AVG	
7		2.3145	15.13	9.72	24.85	46.00	-21.15	AVG	
8		3.2010	25.21	9.72	34.93	56.00	-21.07	peak	
9		3.6915	13.44	9.73	23.17	46.00	-22.83	AVG	
10		4.5375	25.06	9.73	34.79	56.00	-21.21	peak	
11		5.9370	23.47	9.73	33.20	60.00	-26.80	peak	
12		7.7820	4.40	9.77	14.17	50.00	-35.83	AVG	

**Product** : Baby Health Monitor  
**Model/Type reference** : R1-A1  
**Power** : AC 240V/50Hz    **Temperature/Humidity** : 20°C/50%  
**Mode** : ON    **Phase** : N  
**Press** : 101kPa



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.4200	34.60	9.89	44.49	57.45	-12.96	peak	
2	*	0.4425	26.95	9.89	36.84	47.01	-10.17	AVG	
3		0.8880	32.98	9.82	42.80	56.00	-13.20	peak	
4		0.8880	25.32	9.82	35.14	46.00	-10.86	AVG	
5		1.6350	22.57	9.75	32.32	46.00	-13.68	AVG	
6		1.6575	30.07	9.75	39.82	56.00	-16.18	peak	
7		2.3370	29.41	9.72	39.13	56.00	-16.87	peak	
8		2.3370	21.78	9.72	31.50	46.00	-14.50	AVG	
9		2.9670	20.97	9.72	30.69	46.00	-15.31	AVG	
10		3.6645	27.50	9.73	37.23	56.00	-18.77	peak	
11		3.7140	19.28	9.73	29.01	46.00	-16.99	AVG	
12		5.0010	26.04	9.73	35.77	60.00	-24.23	peak	

Note:

1. Margin(dB)=Measurement(dBuV)-Limit(dBuV).
2. Measurement(dBuV)=Reading\_Level(dBuV)+Correct Factor(dB).
3. Correct Factor(dB)=Cable Factor(dB)+Lisn Factor(dB).

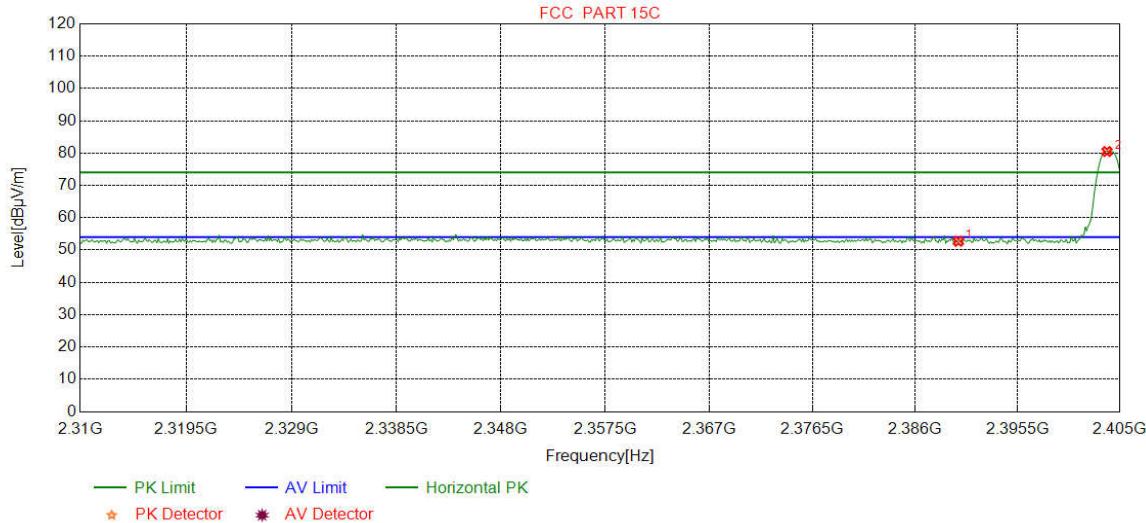
## Appendix H): Restricted bands around fundamental frequency (Radiated)

Receiver Setup:	Frequency	Detector	RBW	VBW	Remark																				
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak																				
	Above 1GHz	Peak	1MHz	3MHz	Peak																				
		Peak	1MHz	10Hz	Average																				
Test Procedure:	<b>Below 1GHz test procedure as below:</b>																								
	<ol style="list-style-type: none"> <li>The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <li>The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</li> <li>For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable was turned from 0 degrees to 360 degrees to find the maximum reading.</li> <li>The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel</li> </ol>																								
Limit:	<b>Above 1GHz test procedure as below:</b>																								
	<ol style="list-style-type: none"> <li>Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber change form table 0.8 meter to 1.5 meter( Above 18GHz the distance is 1 meter and table is 1.5 meter).</li> <li>Test the EUT in the lowest channel , the Highest channel</li> <li>The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.</li> <li>Repeat above procedures until all frequencies measured was complete.</li> </ol>																								
<table border="1"> <thead> <tr> <th>Frequency</th> <th>Limit (dB<math>\mu</math>V/m @3m)</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>30MHz-88MHz</td> <td>40.0</td> <td>Quasi-peak Value</td> </tr> <tr> <td>88MHz-216MHz</td> <td>43.5</td> <td>Quasi-peak Value</td> </tr> <tr> <td>216MHz-960MHz</td> <td>46.0</td> <td>Quasi-peak Value</td> </tr> <tr> <td>960MHz-1GHz</td> <td>54.0</td> <td>Quasi-peak Value</td> </tr> <tr> <td rowspan="2">Above 1GHz</td><td>54.0</td><td>Average Value</td> </tr> <tr> <td>74.0</td><td>Peak Value</td> </tr> </tbody> </table>						Frequency	Limit (dB $\mu$ V/m @3m)	Remark	30MHz-88MHz	40.0	Quasi-peak Value	88MHz-216MHz	43.5	Quasi-peak Value	216MHz-960MHz	46.0	Quasi-peak Value	960MHz-1GHz	54.0	Quasi-peak Value	Above 1GHz	54.0	Average Value	74.0	Peak Value
Frequency	Limit (dB $\mu$ V/m @3m)	Remark																							
30MHz-88MHz	40.0	Quasi-peak Value																							
88MHz-216MHz	43.5	Quasi-peak Value																							
216MHz-960MHz	46.0	Quasi-peak Value																							
960MHz-1GHz	54.0	Quasi-peak Value																							
Above 1GHz	54.0	Average Value																							
	74.0	Peak Value																							

**Test plot as follows:**

Mode:	GFSK Transmitting	Channel:	2402
Remark:	Peak		

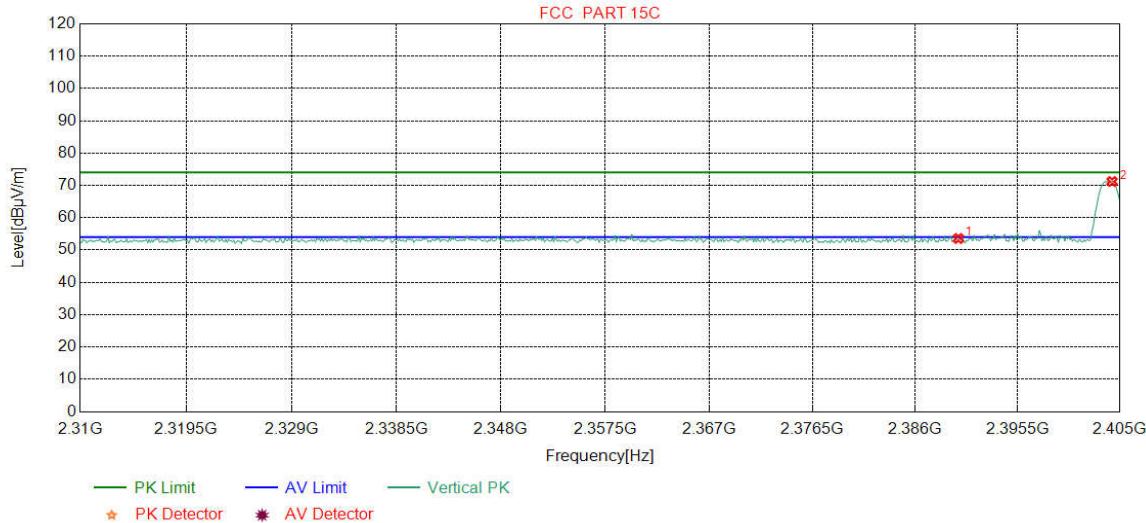
**Test Graph**



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dB $\mu$ V]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-42.44	49.55	52.73	74.00	21.27	Pass	Horizontal
2	2403.8110	32.27	13.32	-42.44	77.34	80.49	74.00	-6.49	Pass	Horizontal

Mode:	GFSK Transmitting	Channel:	2402
Remark:	Peak		

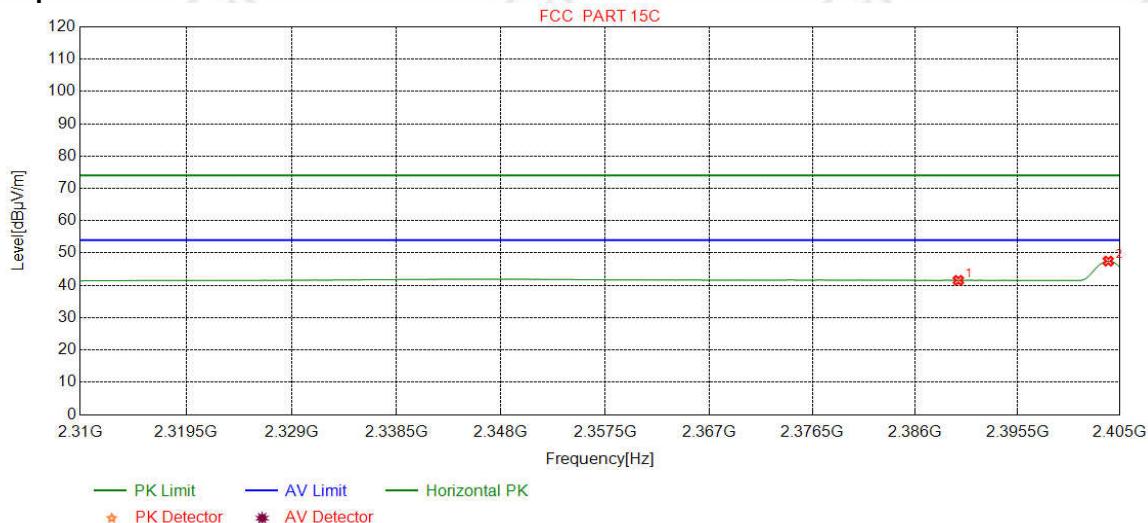
**Test Graph**



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dB $\mu$ V]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-42.44	50.40	53.58	74.00	20.42	Pass	Vertical
2	2404.2866	32.27	13.32	-42.44	68.06	71.21	74.00	2.79	Pass	Vertical

Mode:	GFSK Transmitting	Channel:	2402
Remark:	Peak		

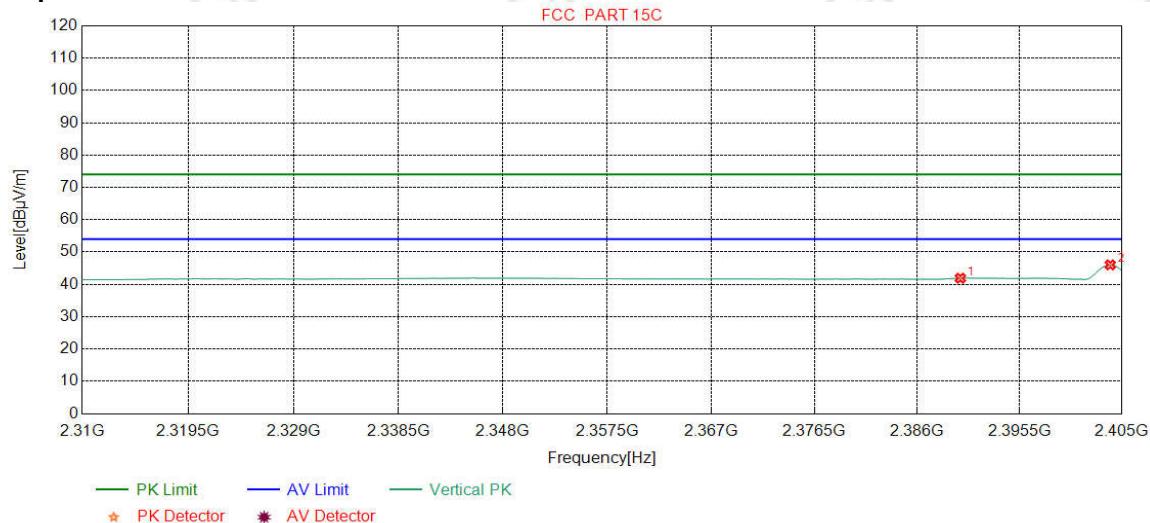
**Test Graph**



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dB $\mu$ V]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-42.44	38.36	41.54	54.00	12.46	Pass	Horizontal
2	2403.9299	32.27	13.32	-42.44	44.36	47.51	54.00	6.49	Pass	Horizontal

Mode:	GFSK Transmitting	Channel:	2402
Remark:	Peak		

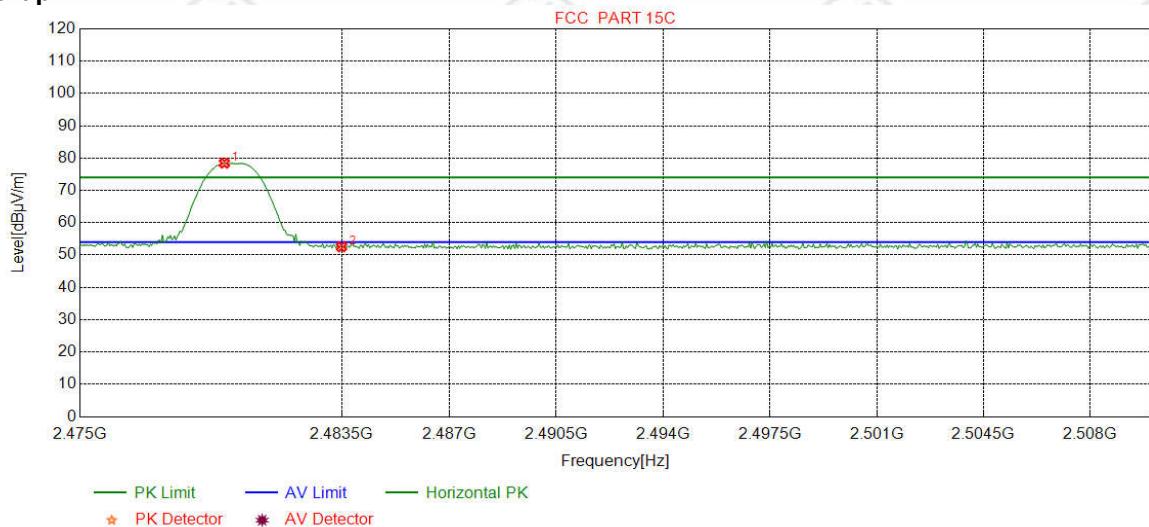
**Test Graph**



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dB $\mu$ V]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-42.44	38.73	41.91	54.00	12.09	Pass	Vertical
2	2403.9299	32.27	13.32	-42.44	42.89	46.04	54.00	7.96	Pass	Vertical

Mode:	GFSK Transmitting	Channel:	2480
Remark:	Peak		

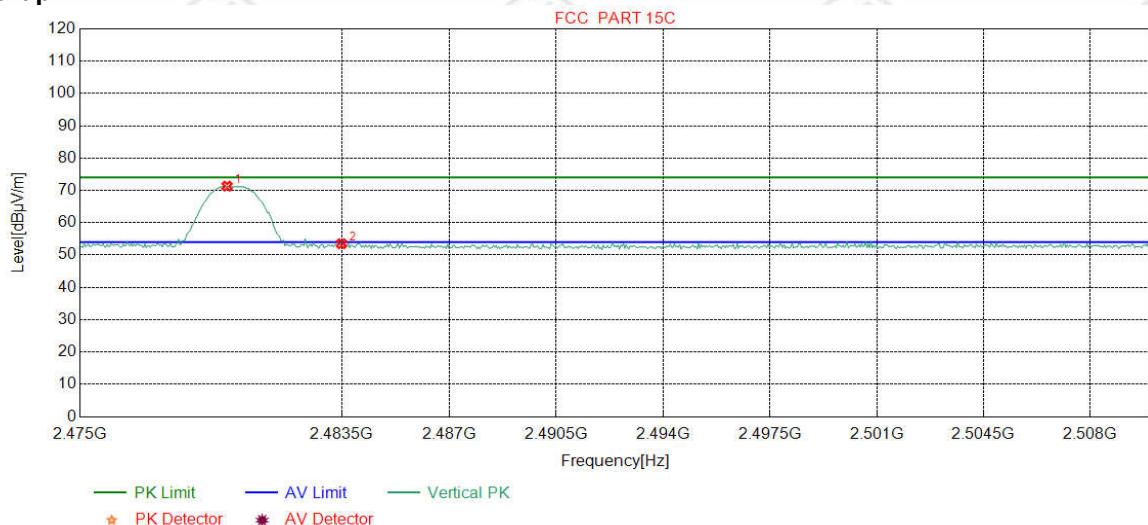
**Test Graph**



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dB $\mu$ V]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Result	Polarity
1	2479.6871	32.37	13.39	-42.39	75.03	78.40	74.00	-4.40	Pass	Horizontal
2	2483.5000	32.38	13.38	-42.40	49.19	52.55	74.00	21.45	Pass	Horizontal

Mode:	GFSK Transmitting	Channel:	2480
Remark:	Peak		

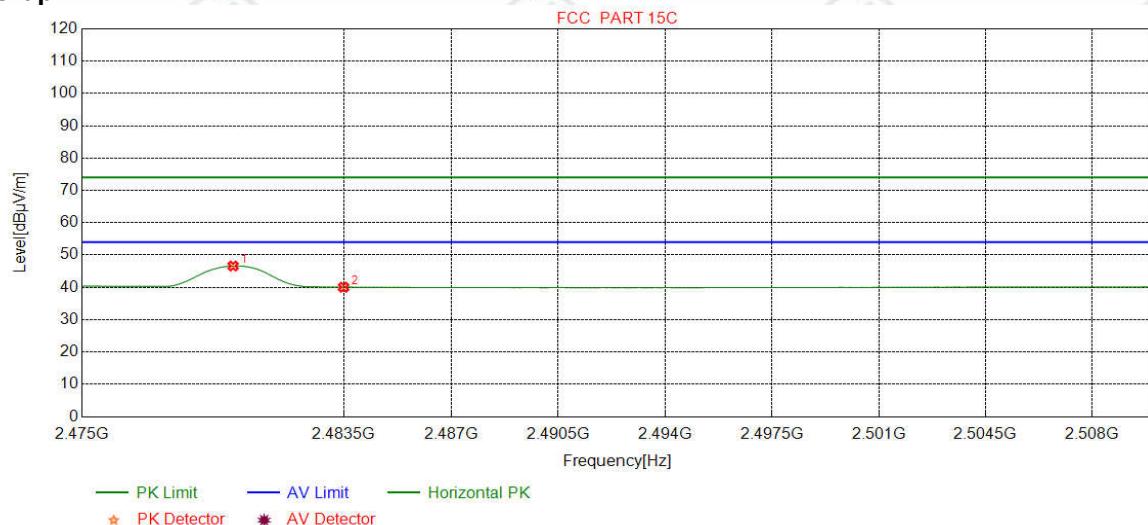
**Test Graph**



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dB $\mu$ V]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Result	Polarity
1	2479.7747	32.37	13.39	-42.39	67.95	67.95	74.00	2.68	Pass	Vertical
2	2483.5000	32.38	13.38	-42.40	50.14	53.50	74.00	20.50	Pass	Vertical

Mode:	GFSK Transmitting	Channel:	2480
Remark:	Peak		

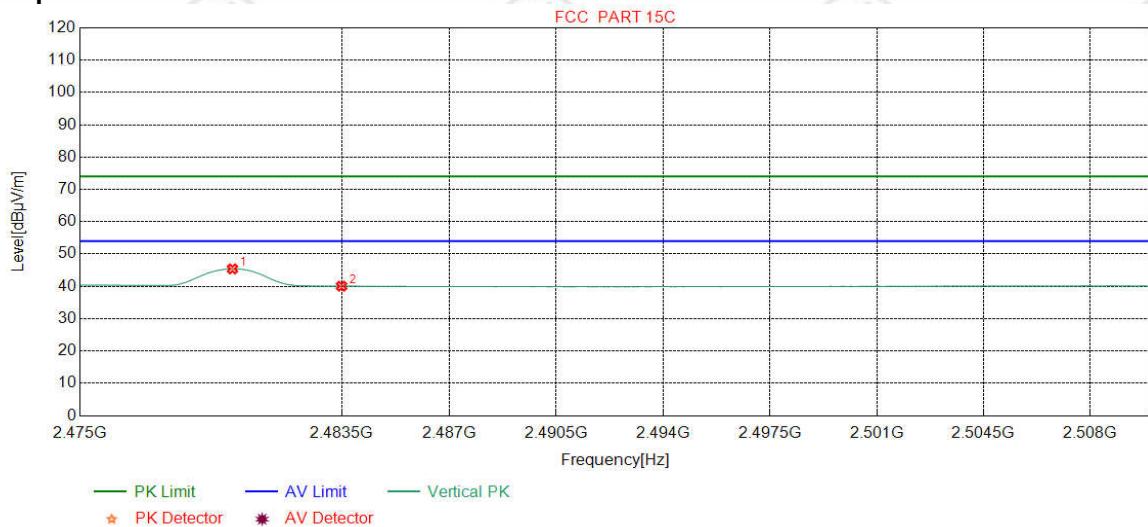
**Test Graph**



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2479.9061	32.37	13.39	-42.39	43.23	46.60	54.00	7.40	Pass	Horizontal
2	2483.5000	32.38	13.38	-42.40	36.69	40.05	54.00	13.95	Pass	Horizontal

Mode:	GFSK Transmitting	Channel:	2480
Remark:	Peak		

**Test Graph**



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dB $\mu$ V]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Result	Polarity
1	2479.9499	32.37	13.39	-42.39	42.04	45.41	54.00	8.59	Pass	Vertical
2	2483.5000	32.38	13.38	-42.40	36.70	40.06	54.00	13.94	Pass	Vertical

**Note:**

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

## Appendix I) Radiated Spurious Emissions

Receiver Setup:	Frequency	Detector	RBW	VBW	Remark																																														
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak																																														
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average																																														
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak																																														
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak																																														
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average																																														
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak																																														
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak																																														
	Above 1GHz	Peak	1MHz	3MHz	Peak																																														
		Peak	1MHz	10Hz	Average																																														
Test Procedure:																																																			
<b>Below 1GHz test procedure as below:</b>																																																			
a.	The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.																																																		
b.	The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.																																																		
c.	The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.																																																		
d.	For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable was turned from 0 degrees to 360 degrees to find the maximum reading.																																																		
e.	The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.																																																		
f.	If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.																																																		
<b>Above 1GHz test procedure as below:</b>																																																			
g.	Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 meter to 1.5 meter( Above 18GHz the distance is 1 meter and table is 1.5 meter).																																																		
h.	Test the EUT in the lowest channel ,the middle channel ,the Highest channel																																																		
i.	The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.																																																		
j.	Repeat above procedures until all frequencies measured was complete.																																																		
Limit:	<table border="1"> <thead> <tr> <th>Frequency</th><th>Field strength (microvolt/meter)</th><th>Limit (dB<math>\mu</math>V/m)</th><th>Remark</th><th>Measurement distance (m)</th></tr> </thead> <tbody> <tr> <td>0.009MHz-0.490MHz</td><td>2400/F(kHz)</td><td>-</td><td>-</td><td>300</td></tr> <tr> <td>0.490MHz-1.705MHz</td><td>24000/F(kHz)</td><td>-</td><td>-</td><td>30</td></tr> <tr> <td>1.705MHz-30MHz</td><td>30</td><td>-</td><td>-</td><td>30</td></tr> <tr> <td>30MHz-88MHz</td><td>100</td><td>40.0</td><td>Quasi-peak</td><td>3</td></tr> <tr> <td>88MHz-216MHz</td><td>150</td><td>43.5</td><td>Quasi-peak</td><td>3</td></tr> <tr> <td>216MHz-960MHz</td><td>200</td><td>46.0</td><td>Quasi-peak</td><td>3</td></tr> <tr> <td>960MHz-1GHz</td><td>500</td><td>54.0</td><td>Quasi-peak</td><td>3</td></tr> <tr> <td>Above 1GHz</td><td>500</td><td>54.0</td><td>Average</td><td>3</td></tr> </tbody> </table>						Frequency	Field strength (microvolt/meter)	Limit (dB $\mu$ V/m)	Remark	Measurement distance (m)	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30	1.705MHz-30MHz	30	-	-	30	30MHz-88MHz	100	40.0	Quasi-peak	3	88MHz-216MHz	150	43.5	Quasi-peak	3	216MHz-960MHz	200	46.0	Quasi-peak	3	960MHz-1GHz	500	54.0	Quasi-peak	3	Above 1GHz	500	54.0	Average	3
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	Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.																																																		

## Radiated Spurious Emissions test Data:

### Radiated Emission below 1GHz

Mode:		GFSK Transmitting				Channel:		2402		
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dB $\mu$ V]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Result	Polarity
1	120.0250	9.20	1.30	-32.07	58.94	37.37	43.50	6.13	Pass	H
2	132.0542	7.60	1.34	-32.01	60.84	37.77	43.50	5.73	Pass	H
3	240.0260	11.94	1.84	-31.90	56.07	37.95	46.00	8.05	Pass	H
4	492.0572	16.87	2.65	-31.89	50.78	38.41	46.00	7.59	Pass	H
5	528.0478	17.56	2.75	-31.91	52.73	41.13	46.00	4.87	Pass	H
6	852.0602	21.52	3.51	-31.74	43.04	36.33	46.00	9.67	Pass	H
7	95.9666	10.35	1.13	-32.07	49.02	28.43	43.50	15.07	Pass	V
8	156.0156	7.76	1.46	-31.99	56.74	33.97	43.50	9.53	Pass	V
9	168.0448	8.34	1.52	-31.96	61.72	39.62	43.50	3.88	Pass	V
10	192.0062	10.14	1.62	-31.96	58.00	37.80	43.50	5.70	Pass	V
11	240.0260	11.94	1.84	-31.90	50.26	32.14	46.00	13.86	Pass	V
12	588.0968	18.76	2.90	-31.93	39.69	29.42	46.00	16.58	Pass	V

Mode:		GFSK Transmitting				Channel:		2441		
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dB $\mu$ V]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Result	Polarity
1	120.0250	9.20	1.30	-32.07	59.01	37.44	43.50	6.06	Pass	H
2	132.0542	7.60	1.34	-32.01	61.05	37.98	43.50	5.52	Pass	H
3	204.0354	11.00	1.69	-31.94	57.37	38.12	43.50	5.38	Pass	H
4	240.0260	11.94	1.84	-31.90	56.50	38.38	46.00	7.62	Pass	H
5	528.0478	17.56	2.75	-31.91	52.08	40.48	46.00	5.52	Pass	H
6	852.0602	21.52	3.51	-31.74	42.60	35.89	46.00	10.11	Pass	H
7	95.9666	10.35	1.13	-32.07	48.16	27.57	43.50	15.93	Pass	V
8	120.0250	9.20	1.30	-32.07	51.37	29.80	43.50	13.70	Pass	V
9	156.0156	7.76	1.46	-31.99	57.67	34.90	43.50	8.60	Pass	V
10	168.0448	8.34	1.52	-31.96	61.57	39.47	43.50	4.03	Pass	V
11	192.0062	10.14	1.62	-31.96	58.18	37.98	43.50	5.52	Pass	V
12	588.0968	18.76	2.90	-31.93	39.88	29.61	46.00	16.39	Pass	V

Mode:		GFSK Transmitting				Channel:		2480		
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dB $\mu$ V]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Result	Polarity
1	120.0250	9.20	1.30	-32.07	59.54	37.97	43.50	5.53	Pass	H
2	132.0542	7.60	1.34	-32.01	61.52	38.45	43.50	5.05	Pass	H
3	204.0354	11.00	1.69	-31.94	56.71	37.46	43.50	6.04	Pass	H
4	240.0260	11.94	1.84	-31.90	56.08	37.96	46.00	8.04	Pass	H
5	468.0958	16.49	2.58	-31.87	50.65	37.85	46.00	8.15	Pass	H
6	528.0478	17.56	2.75	-31.91	52.26	40.66	46.00	5.34	Pass	H
7	96.0636	10.37	1.13	-32.07	48.69	28.12	43.50	15.38	Pass	V
8	156.0156	7.76	1.46	-31.99	57.20	34.43	43.50	9.07	Pass	V
9	168.0448	8.34	1.52	-31.96	60.95	38.85	43.50	4.65	Pass	V
10	192.0062	10.14	1.62	-31.96	57.40	37.20	43.50	6.30	Pass	V
11	240.0260	11.94	1.84	-31.90	49.33	31.21	46.00	14.79	Pass	V
12	600.0290	19.00	2.96	-31.99	38.30	28.27	46.00	17.73	Pass	V

**Transmitter Emission above 1GHz**

Mode:		GFSK Transmitting				Channel:		2402	Remark: Peak	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dB $\mu$ V]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Result	Polarity
1	1795.0795	30.35	3.31	-42.71	58.35	49.30	74.00	24.70	Pass	H
2	2991.7992	33.19	4.53	-42.13	51.33	46.92	74.00	27.08	Pass	H
3	4808.1205	34.50	4.56	-40.65	52.28	50.69	74.00	23.31	Pass	H
4	7206.0000	36.31	5.81	-41.02	43.35	44.45	74.00	29.55	Pass	H
5	9608.0000	37.64	6.63	-40.76	44.01	47.52	74.00	26.48	Pass	H
6	12010.0000	39.31	7.60	-41.21	44.40	50.10	74.00	23.90	Pass	H
7	1592.2592	29.01	3.06	-42.88	58.99	48.18	74.00	25.82	Pass	V
8	2997.5998	33.20	4.54	-42.12	51.12	46.74	74.00	27.26	Pass	V
9	4804.0000	34.50	4.55	-40.66	43.84	42.23	74.00	31.77	Pass	V
10	7206.0000	36.31	5.81	-41.02	43.73	44.83	74.00	29.17	Pass	V
11	9608.0000	37.64	6.63	-40.76	43.54	47.05	74.00	26.95	Pass	V
12	12010.0000	39.31	7.60	-41.21	43.69	49.39	74.00	24.61	Pass	V

Mode:		GFSK Transmitting				Channel:		2440	Remark: Peak	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dB $\mu$ V]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Result	Polarity
1	1997.0997	31.68	3.47	-42.61	56.85	49.39	74.00	24.61	Pass	H
2	2984.5985	33.18	4.50	-42.13	50.77	46.32	74.00	27.68	Pass	H
3	4880.0000	34.50	4.80	-40.59	51.70	50.41	74.00	23.59	Pass	H
4	7320.0000	36.42	5.85	-40.92	44.04	45.39	74.00	28.61	Pass	H
5	9760.0000	37.71	6.71	-40.62	43.26	47.06	74.00	26.94	Pass	H
6	12200.0000	39.42	7.67	-41.16	46.52	52.45	74.00	21.55	Pass	H
7	1878.2878	30.90	3.40	-42.67	56.01	47.64	74.00	26.36	Pass	V
8	2837.3837	32.94	4.23	-42.21	55.29	50.25	74.00	23.75	Pass	V
9	4880.0000	34.50	4.81	-40.60	43.25	41.96	74.00	32.04	Pass	V
10	7320.0000	36.42	5.85	-40.92	43.52	44.87	74.00	29.13	Pass	V
11	9760.0000	37.71	6.71	-40.62	42.18	45.98	74.00	28.02	Pass	V
12	12200.0000	39.42	7.67	-41.16	43.83	49.76	74.00	24.24	Pass	V

Mode:		GFSK Transmitting				Channel:		2480	Remark: Peak	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dB $\mu$ V]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Result	Polarity
1	1992.8993	31.65	3.46	-42.61	55.15	47.65	74.00	26.35	Pass	H
2	2852.3852	32.96	4.24	-42.20	51.32	46.32	74.00	27.68	Pass	H
3	4960.0000	34.50	4.82	-40.53	52.22	51.01	74.00	22.99	Pass	H
4	7440.0000	36.54	5.85	-40.82	43.57	45.14	74.00	28.86	Pass	H
5	9920.0000	37.77	6.79	-40.48	42.48	46.56	74.00	27.44	Pass	H
6	12400.0000	39.54	7.86	-41.12	44.88	51.16	74.00	22.84	Pass	H
7	1948.2948	31.36	3.42	-42.64	55.05	47.19	74.00	26.81	Pass	V
8	2990.7991	33.19	4.52	-42.13	50.99	46.57	74.00	27.43	Pass	V
9	4960.0000	34.50	4.82	-40.53	46.68	45.47	74.00	28.53	Pass	V
10	7440.0000	36.54	5.85	-40.82	44.42	45.99	74.00	28.01	Pass	V
11	9920.0000	37.77	6.79	-40.48	43.99	48.07	74.00	25.93	Pass	V
12	12400.0000	39.54	7.86	-41.12	45.28	51.56	74.00	22.44	Pass	V

**Note:**

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

2) Scan from 9kHz to 25GHz, the disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.