

# FCC Test Report

Product Name	MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch
Model No.	MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch
FCC ID.	2AD4S-LEZYNE-GPS07

Applicant	Lezyne USA, Incorporated
Address	645 Tank Farm Road Unit F San Luis Obispo Califorina 93401 United States

Date of Receipt	Jul. 26, 2016
Issued Date	Oct. 03, 2016
Report No.	1680004R-RFUSP01V00
Report Version	V1.0



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.

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# Test Report

Issued Date: Oct. 03, 2016

Report No.: 1680004R-RFUSP01V00



Product Name	MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch
Applicant	Lezyne USA, Incorporated
Address	645 Tank Farm Road Unit F San Luis Obispo Califorina 93401 United States
Manufacturer	Lezyne USA, Incorporated
Model No.	Micro Color GPS,Mini Track GPS,Micro Track GPS,Hecto Track GPS,Femto Track GPS,Mini Touch XL GPS,Micro Touch XL GPS,Hecto Touch XL GPS,Femto Touch XL GPS,Mini Touch GPS watch,Micro Touch GPS
	MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch

	Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch, HECTO GPS, HECTO GPS Watch, HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS, HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS, HECTO Map XL GPS, HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS, HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch, MICRO GPS, MICRO GPS WATCH, MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL, MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS, MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS, MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch, MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS, MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS, MINI Map GPS, MINI Map XL GPS, MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS, MINI Touch Color GPS, MINI Touch Color GPS Watch, MINI Depth Watch
FCC ID.	2AD4S-LEZYNE-GPS07
EUT Rated Voltage	DC 3.7V (Power by Battery)
EUT Test Voltage	DC 3.7V (Power by Battery)
Trade Name	LEZYNE
Applicable Standard	FCC CFR Title 47 Part 15 Subpart C: 2015 ANSI C63.4: 2014, ANSI C63.10: 2013 KDB 558074 D01 DTS Meas Guidance v03r05
Test Result	Complied

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( Senior Adm. Specialist / Jinn Chen )

Tested By : Yulin Chen  
( Engineer / Yulin Chen )

Approved By :   
( Director / Vincent Lin )

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## 1. GENERAL INFORMATION

### 1.1. EUT Description

Product Name	MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch
Trade Name	LEZYNE
Model No.	MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch
FCC ID.	2AD4S-LEZYNE-GPS07
Frequency Range	2402-2480MHz
Channel Number	4.0: 40 CH
Type of Modulation	GFSK(1Mbps)
Antenna Type	PIFA Antenna
Channel Control	Auto
Antenna Gain	Refer to the table “Antenna List”



**Antenna List**

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	LEZYNE	N/A	PIFA Antenna	-2.4dBi for 2.4 GHz

Note: The antenna of EUT is conforming to FCC 15.203.

**Center Frequency of Each Channel: (For V4.0)**

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

Note:

1. The EUT is a MICRO COLOR GPS, FEMTO GPS, FEMTO GPS Watch, FEMTO COLOR GPS, FEMTO COLOR GPS Watch, FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL, FEMTO Track GPS, FEMTO Map GPS, FEMTO Map XL GPS, FEMTO Over Drive GPS, FEMTO Touch GPS, FEMTO Touch GPS Watch, FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch, HECTO GPS, HECTO GPS Watch, HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS, HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS, HECTO Map XL GPS, HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS, HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch, MICRO GPS, MICRO GPS WATCH, MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL, MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS, MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS, MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch, MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS, MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS, MINI Map GPS, MINI Map XL GPS, MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS, MINI Touch Color GPS, MINI Touch Color GPS Watch, MINI Depth Watch with a built-in GPS, ANT+ and Bluetooth V4.0 transceiver, this report for Bluetooth V4.0 transceiver.
2. These tests were conducted on a sample for the purpose of demonstrating compliance of Bluetooth transmitter with Part 15 Subpart C Paragraph 15.247 for spread spectrum devices.
3. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to



perform the test.

4. The radiation measurements are performed in X, Y, Z axis positioning. Only the worst case is shown in the report.
5. The different of each model is shown as below:
  - MICRO COLOR GPS-ANT+ / Accelerator / barometer / Bluetooth
  - FEMTO GPS - GPS only/Bluetooth
  - FEMTO GPS Watch - Wrist mount/Bluetooth
  - FEMTO COLOR GPS - ANT+/Bluetooth
  - FEMTO COLOR GPS Watch - ANT+ / Wrist mount/Bluetooth
  - FEMTO Enhanced GPS - GLONASS/Bluetooth
  - FEMTO GPS XL - + battery capacity/Bluetooth
  - FEMTO GPS XL Watch - + battery capacity / Wrist mount/Bluetooth
  - FEMTO GPS XXL - + battery capacity / Higher memory/Bluetooth
  - FEMTO Track GPS - Live Tracking/Bluetooth
  - FEMTO Map GPS - Navigation/Bluetooth
  - FEMTO Map XL GPS - Navigation / + battery capacity/Bluetooth
  - FEMTO Over Drive GPS - Higher memory/Bluetooth
  - FEMTO Touch GPS - Fitness Tracking/Bluetooth
  - FEMTO Touch GPS Watch - Fitness Tracking / Wrist mount/Bluetooth
  - FEMTO Touch XL GPS - Fitness Tracking / + battery capacity/Bluetooth
  - FEMTO Touch Color GPS - Fitness Tracking / ANT+/Bluetooth
  - FEMTO Touch Color GPS Watch - Fitness Tracking / ANT+ / wrist mount/Bluetooth
  - FEMTO Depth Watch - waterproof wrist mount/Bluetooth
  - HECTO GPS - GPS only/Accelerator / Bluetooth
  - HECTO GPS Watch - Wrist mount/Accelerator / Bluetooth
  - HECTO COLOR GPS - ANT+/Accelerator / Bluetooth
  - HECTO COLOR GPS Watch - ANT+ / Wrist mount/Accelerator / Bluetooth
  - HECTO Enhanced GPS - GLONASS/Accelerator / Bluetooth
  - HECTO GPS XL - + battery capacity/Accelerator / Bluetooth
  - HECTO GPS XL Watch - + battery capacity / Wrist mount/Accelerator / Bluetooth
  - HECTO GPS XXL - + battery capacity / Higher memory/Accelerator / Bluetooth
  - HECTO Track GPS - Live Tracking/Accelerator / Bluetooth
  - HECTO Map GPS - Navigation/Accelerator / Bluetooth
  - HECTO Map XL GPS - Navigation / + battery capacity/Accelerator / Bluetooth
  - HECTO Over Drive GPS - Higher memory/Accelerator / Bluetooth
  - HECTO Touch GPS - Fitness Tracking/Accelerator / Bluetooth
  - HECTO Touch GPS Watch - Fitness Tracking / Wrist mount/Accelerator / Bluetooth
  - HECTO Touch XL GPS - Fitness Tracking / + battery capacity/Accelerator / Bluetooth
  - HECTO Touch Color GPS - Fitness Tracking / ANT+/Accelerator / Bluetooth
  - HECTO Touch Color GPS Watch - Fitness Tracking / ANT+ / wrist mount/Accelerator / Bluetooth
  - HECTO Depth Watch - waterproof wrist mount/Accelerator / Bluetooth

- MICRO GPS - GPS only/Accelerator / barometer / Bluetooth
- MICRO GPS WATCH - Wrist mount/Accelerator / barometer / Bluetooth
- MICRO C GPS WATCH - ANT+ / Wrist mount/Accelerator / barometer / Bluetooth
- MICRO Enhanced GPS - GLONASS/Accelerator / barometer / Bluetooth
- MICRO GPS XL - + battery capacity/Accelerator / barometer / Bluetooth
- MICRO GPS XL Watch - + battery capacity / Wrist mount/Accelerator / barometer / Bluetooth
- MICRO GPS XXL - + battery capacity / Higher memory/Accelerator / barometer / Bluetooth
- MICRO Track GPS - Live Tracking/Accelerator / barometer / Bluetooth
- MICRO Map GPS - Navigation/Accelerator / barometer / Bluetooth
- MICRO Map XL GPS - Navigation / + battery capacity/Accelerator / barometer / Bluetooth
- MICRO Over Drive GPS - Higher memory/Accelerator / barometer / Bluetooth
- MICRO Touch GPS - Fitness Tracking/Accelerator / barometer / Bluetooth
- MICRO Touch GPS Watch - Fitness Tracking / Wrist mount/Accelerator / barometer / Bluetooth
- MICRO Touch XL GPS - Fitness Tracking / + battery capacity/Accelerator / barometer / Bluetooth
- MICRO Touch Color GPS - Fitness Tracking / ANT+/Accelerator / barometer / Bluetooth
- MICRO Touch Color GPS Watch - Fitness Tracking / ANT+ / wrist mount/Accelerator / barometer / Bluetooth
- MICRO Depth Watch - waterproof wrist mount/Accelerator / barometer / Bluetooth
- MINI GPS - GPS only/barometer / Bluetooth
- MINI GPS Watch - Wrist mount/barometer / Bluetooth
- MINI COLOR GPS - ANT+/barometer / Bluetooth
- MINI COLOR GPS Watch - ANT+ / Wrist mount/barometer / Bluetooth
- MINI Enhanced GPS - GLONASS/barometer / Bluetooth
- MINI GPS XL - + battery capacity/barometer / Bluetooth
- MINI GPS XL Watch - + battery capacity / Wrist mount/barometer / Bluetooth
- MINI GPS XXL - + battery capacity / Higher memory/barometer / Bluetooth
- MINI Track GPS - Live Tracking/barometer / Bluetooth
- MINI Map GPS - Navigation/barometer / Bluetooth
- MINI Map XL GPS - Navigation / + battery capacity/barometer / Bluetooth
- MINI Over Drive GPS - Higher memory/barometer / Bluetooth
- MINI Touch GPS - Fitness Tracking/barometer / Bluetooth
- MINI Touch GPS Watch - Fitness Tracking / Wrist mount/barometer / Bluetooth
- MINI Touch XL GPS - Fitness Tracking / + battery capacity/barometer / Bluetooth
- MINI Touch Color GPS - Fitness Tracking / ANT+/barometer / Bluetooth
- MINI Touch Color GPS Watch - Fitness Tracking / ANT+ / wrist mount/barometer / Bluetooth
- MINI Depth Watch - waterproof wrist mount/barometer / Bluetooth

Test Mode	Mode 1: Transmit - BLE mode
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### 1.3. Tested System Details

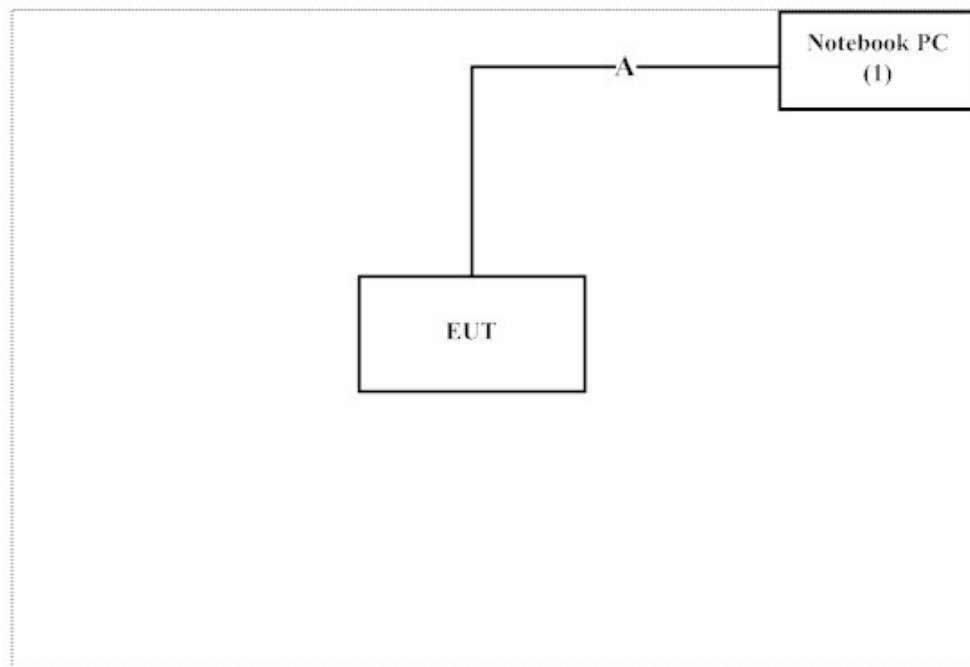
The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook PC	Lenovo	R400	L3AAF9A	Non-shielded, 0.8m

Signal Cable Type		Signal cable Description
A	USB Cable	Shielded, 1m

### 1.4. Configuration of Tested System



### 1.5. EUT Exercise Software

1. Setup the EUT as shown in Section 1.4.
2. Execute software "Putty v0.63" on the Notebook PC .
3. Configure the test mode, the test channel, and the data rate.
4. Press "OK" to start the continuous Transmit.
5. Verify that the EUT works properly.

## 1.6. Test Facility

Ambient conditions in the laboratory:

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	20-35
Humidity (%RH)	25-75	30-65
Barometric pressure (mbar)	860-1060	950-1000

The related certificate for our laboratories about the test site and management system can be downloaded from DEKRA Testing and Certification Co., Ltd. Web Site:

<http://www.dekra.com.tw/english/about/certificates.aspx?bval=5>

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Columbia, MD 21046  
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E-Mail : [info.tw@dekra.com](mailto:info.tw@dekra.com)

FCC Accreditation Number: TW1014

## 2. Conducted Emission

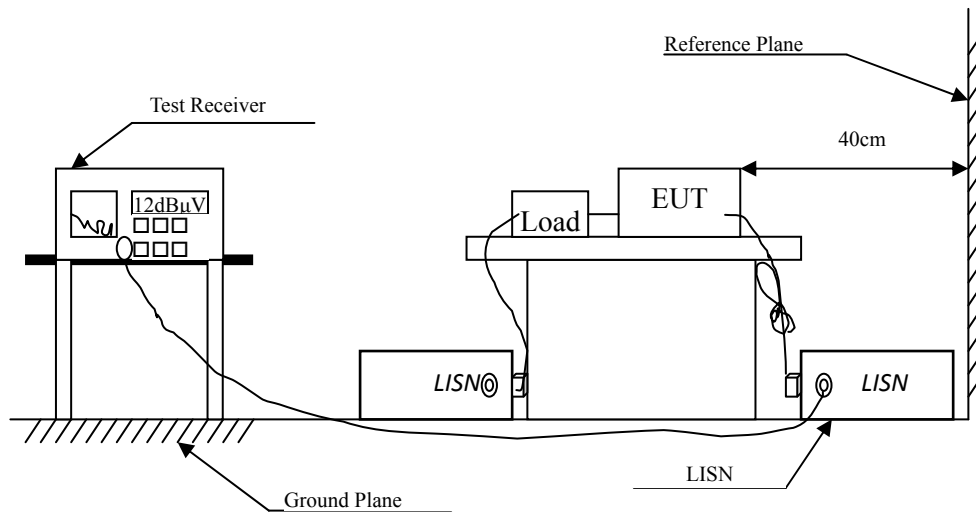
### 2.1. Test Equipment

	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.	Last Cal.	Remark
X	Test Receiver	R & S	ESCS 30 / 825442/018	Sep., 2016	Sep., 2017	
X	Artificial Mains Network	R & S	ENV4200 / 848411/10	Feb., 2016	Feb., 2017	Periphe
X	LISN	R & S	ESH3-Z5 / 825562/002	Feb., 2016	Feb., 2017	EUT
	DC LISN	Schwarzbeck	8226 / 176	Mar., 2016	Mar., 2017	EUT
X	Pulse Limiter	R & S	ESH3-Z2 / 357.8810.52	Feb., 2016	Feb., 2017	
	No.1 Shielded Room					

Note:

1. All equipments are calibrated every one year.
2. The test instruments marked by "X" are used to measure the final test results.

### 2.2. Test Setup



### 2.3. Limits

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

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

### 2.4. Test Procedure

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

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

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

The EUT was setup to ANSI C63.4, 2014; tested to DTS test procedure of FCC KDB-558074 for compliance to FCC 47CFR Subpart C requirements.

### 2.5. Uncertainty

± 2.26 dB

## 2.6. Test Result of Conducted Emission

Product : MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch

Test Item : Conducted Emission Test

Power Line : Line 1

Test Mode : Mode 1: Transmit - BLE mode (2440MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBμV	dBμV	dB	dBμV
<b>LINE 1</b>					
<b>Quasi-Peak</b>					
0.152	9.707	33.061	42.769	-23.174	65.943
0.508	9.739	24.537	34.276	-21.724	56.000
2.706	9.819	14.821	24.641	-31.359	56.000
3.732	9.843	11.624	21.467	-34.533	56.000
9.868	9.992	14.194	24.187	-35.813	60.000
24.576	10.172	17.516	27.688	-32.312	60.000
<b>Average</b>					
0.152	9.707	18.628	28.336	-27.607	55.943
0.508	9.739	16.609	26.347	-19.653	46.000
2.706	9.819	8.906	18.725	-27.275	46.000
3.732	9.843	4.362	14.205	-31.795	46.000
9.868	9.992	10.615	20.607	-29.393	50.000
24.576	10.172	16.793	26.965	-23.035	50.000



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Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "■" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch

Test Item : Conducted Emission Test

Power Line : Line 2

Test Mode : Mode 1: Transmit - BLE mode (2440MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level	dB	dBμV
	dB	dBμV	dBμV		
<b>LINE 2</b>					
<b>Quasi-Peak</b>					
0.152	9.698	33.258	42.956	-22.987	65.943
0.505	9.730	18.811	28.540	-27.460	56.000
2.728	9.819	14.569	24.388	-31.612	56.000
3.541	9.846	14.676	24.522	-31.478	56.000
9.836	9.994	9.831	19.825	-40.175	60.000
24.576	10.212	17.848	28.060	-31.940	60.000
<b>Average</b>					
0.152	9.698	18.466	28.164	-27.779	55.943
0.505	9.730	14.249	23.978	-22.022	46.000
2.728	9.819	8.234	18.053	-27.947	46.000
3.541	9.846	4.763	14.608	-31.392	46.000
9.836	9.994	6.832	16.826	-33.174	50.000
24.576	10.212	17.132	27.344	-22.656	50.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "■" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

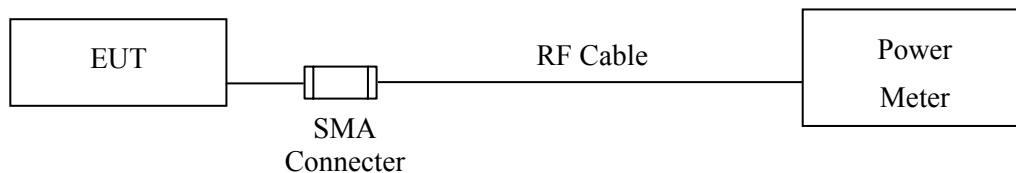
### 3. Peak Power Output

#### 3.1. Test Equipment

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.	Due Cal.
X	Power Meter	Anritsu	ML2495A/6K00003357	May, 2016	May, 2017
X	Power Sensor	Anritsu	MA2411B/0738448	Jun., 2016	Jun., 2017

Note: 1. All equipments are calibrated every one year.  
2. The test instruments marked by “X” are used to measure the final test results.

#### 3.2. Test Setup



#### 3.3. Limit

The maximum peak power shall be less 1Watt.

#### 3.4. Test Procedure

Tested according to DTS test procedure of KDB 558074 for compliance to FCC 47CFR 15.247 requirements. The maximum peak conducted output power using KDB 558074 section 9.1.2 PKPM1 Peak power meter method.

#### 3.5. Uncertainty

$\pm 1.19$  dB

### 3.6. Test Result of Peak Power Output

Product : MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch

Test Item : Peak Power Output

Test Site : No.3 OATS

Test Mode : Mode 1: Transmit - BLE mode

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
Channel 00	2402.00	4.35	1 Watt= 30 dBm	Pass
Channel 19	2440.00	4.34	1 Watt= 30 dBm	Pass
Channel 39	2480.00	4.23	1 Watt= 30 dBm	Pass

#### 4. Radiated Emission

##### 4.1. Test Equipment

The following test equipments are used during the radiated emission test:

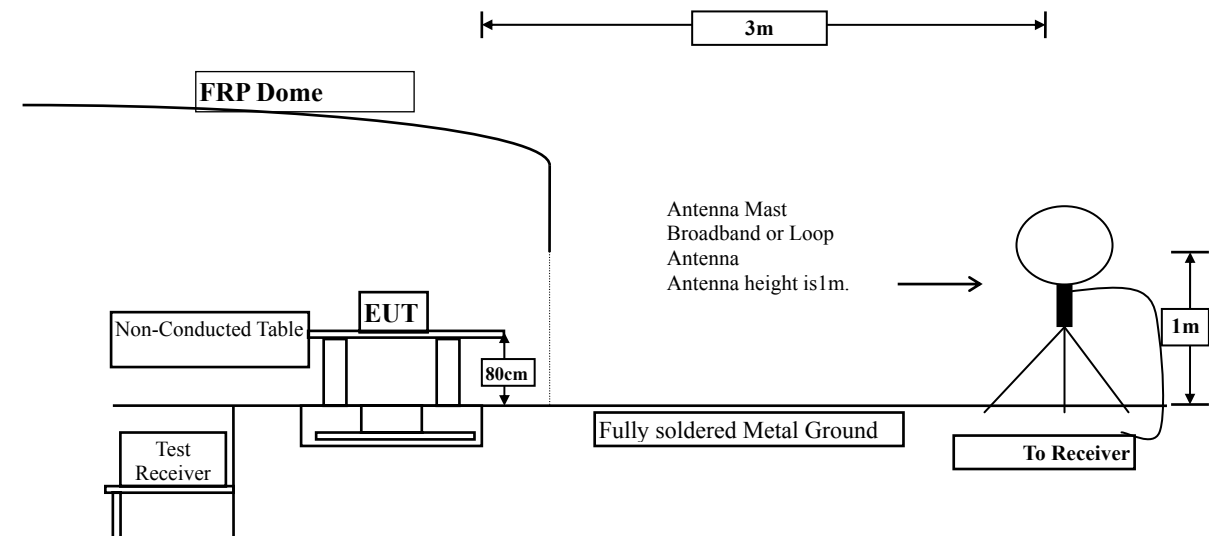
Test Site		Equipment	Manufacturer	Model No./Serial No.	Last Cal.	Due Cal.
☒ Site # 3	X	Magnetic Loop Antenna	Teseq	HLA6121/ 37133	Sep., 2016	Sep., 2017
	X	Bilog Antenna	Schaffner Chase	CBL6112B/ 2707	Jun., 2016	Jun., 2017
	X	EMI Test Receiver	R&S	ESCS 30/838251/ 001	Jun., 2016	Jun., 2017
	X	Coaxial Cable	QTK(Arnist)	RG 214/ LC003-RG	Jun., 2016	Jun., 2017
	X	Coaxial signal switch	Arnist	MP59B/ 6200798682	Jun., 2016	Jun., 2017

Test Site		Equipment	Manufacturer	Model No./Serial No.	Last Cal.	Due Cal.
☒ CB # 8	X	Spectrum Analyzer	R&S	FSP40/ 100339	Oct, 2015	Oct, 2016
	X	Horn Antenna	ETS-Lindgren	3117/ 35205	Mar, 2016	Mar, 2017
	X	Horn Antenna	Schwarzbeck	BBHA9170/209	Jan., 2016	Jan., 2017
	X	Horn Antenna	TRC	AH-0801/95051	Aug., 2016	Aug., 2017
	X	Pre-Amplifier	EMCI	EMC012630SE/980210	Jan., 2016	Jan., 2017
	X	Pre-Amplifier	MITEQ	JS41-001040000-58-5P/153945	Jul., 2016	Jul., 2017
	X	Pre-Amplifier	NARDA	DBL-1840N506/013	Jul., 2016	Jul., 2017

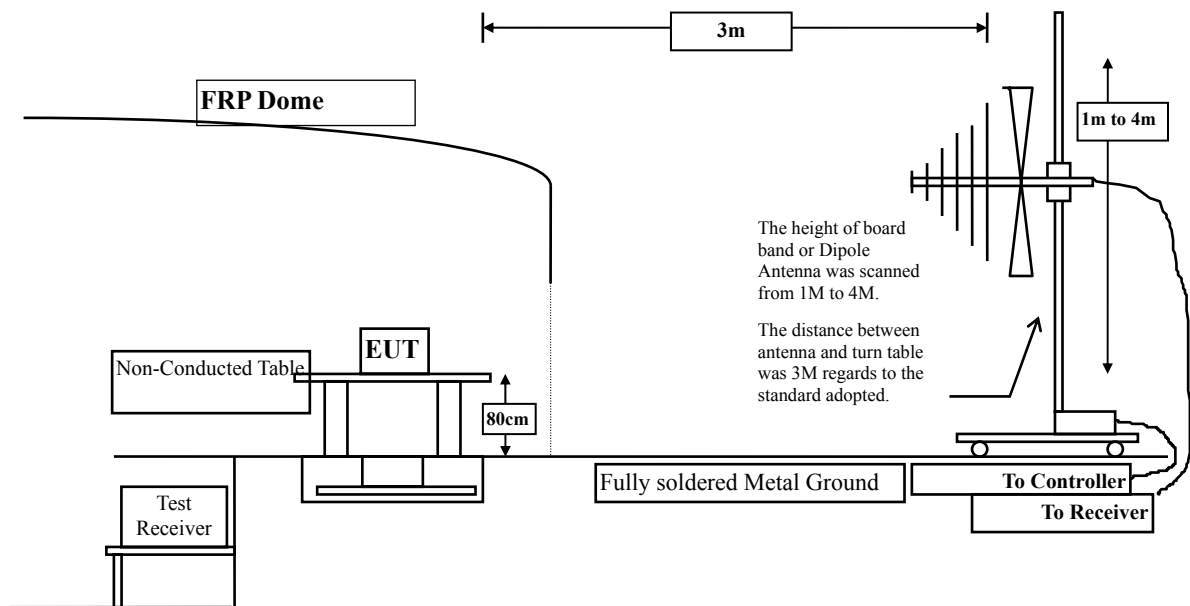
Note: 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.  
2. The test instruments marked with “X” are used to measure the final test results.

##### 4.2. Test Setup

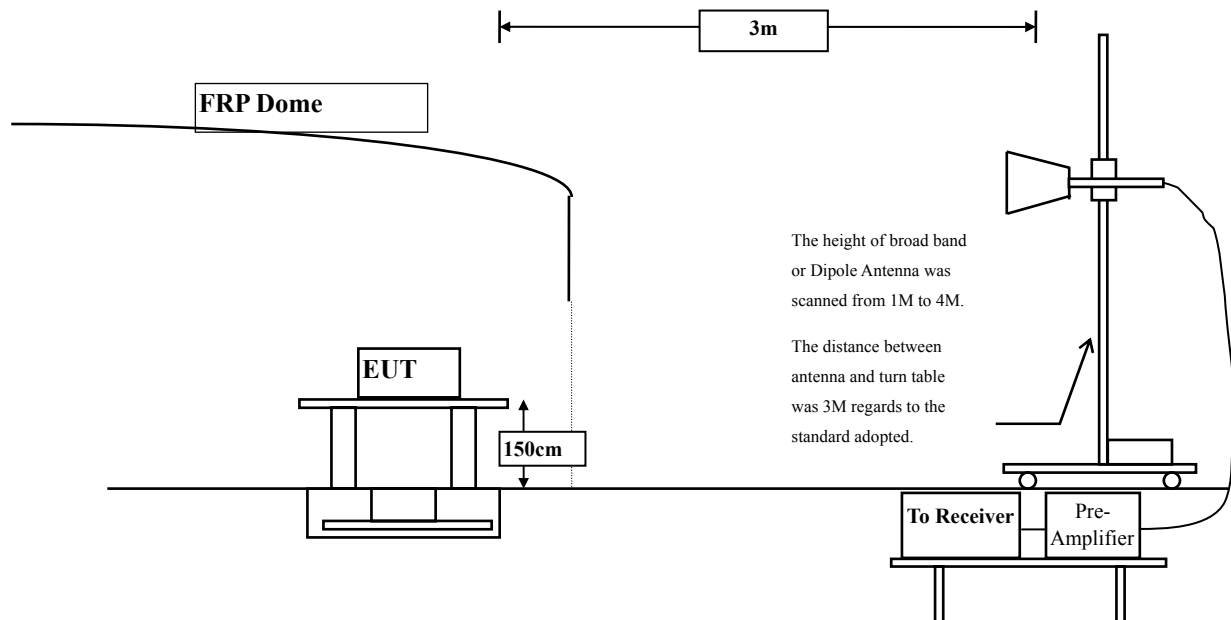
Under 30MHz



Below 1GHz



Above 1GHz





### 4.3. Limits

#### ➤ General Radiated Emission Limits

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

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	Field strength (microvolts/meter)	<i>Measurement distance (meter)</i>
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

- Remarks:
1. RF Voltage (dBμV) = 20 log RF Voltage (uV)
  2. In the Above Table, the tighter limit applies at the band edges.
  3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

#### 4.4. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Measuring the frequency range below 1GHz, the EUT is placed on a turn table which is 0.8 meter above ground, when measuring the frequency range above 1GHz, 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.

The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned between 1 meter and 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.

The resolution bandwidth below 30MHz setting on the field strength meter is 9kHz and 30MHz~1GHz is 120kHz and above 1GHz is 1MHz.

Radiated emission measurements below 30MHz are made using Loop Antenna and 30MHz~1GHz are made using broadband Bilog antenna and above 1GHz are made using Horn Antennas.

The measurement is divided into the Preliminary Measurement and the Final Measurement.

The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 dB bandwidth of the antenna.

The worst radiated emission is measured in the Open Area Test Site on the Final Measurement.

The measurement frequency range from 9kHz - 10th Harmonic of fundamental was investigated.

#### 4.5. Uncertainty

± 4.08 dB above 1GHz

± 4.22 dB below 1GHz

#### 4.6. Test Result of Radiated Emission

Product	:	MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch
Test Item	:	Harmonic Radiated Emission
Test Site	:	CB8
Test Mode	:	Mode 1: Transmit - BLE mode(2402MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB $\mu$ V	dB $\mu$ V/m	dB	dB $\mu$ V/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
4804.000	-3.639	47.750	44.110	-29.890	74.000
7206.000	-0.634	47.630	46.996	-27.004	74.000
9608.000	1.702	44.140	45.843	-28.157	74.000
<b>Average Detector:</b>					
<b>Vertical</b>					
<b>Peak Detector:</b>					
4804.000	-3.639	47.960	44.320	-29.680	74.000
7206.000	-0.634	47.340	46.706	-27.294	74.000
9608.000	1.702	43.690	45.393	-28.607	74.000
<b>Average Detector:</b>					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch

Test Item : Harmonic Radiated Emission

Test Site : CB8

Test Mode : Mode 1: Transmit - BLE mode (2440MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dB $\mu$ V	dB $\mu$ V/m	dB	dB $\mu$ V/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
4880.000	-3.566	48.360	44.794	-29.206	74.000
7320.000	-0.554	49.880	49.327	-24.673	74.000
9760.000	2.038	44.490	46.528	-27.472	74.000
<b>Average Detector:</b>					
--					
<b>Vertical</b>					
<b>Peak Detector:</b>					
4880.000	-3.566	48.210	44.644	-29.356	74.000
7320.000	-0.554	50.040	49.487	-24.513	74.000
9760.000	2.038	44.260	46.298	-27.702	74.000
<b>Average Detector:</b>					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch

Test Item : Harmonic Radiated Emission

Test Site : CB8

Test Mode : Mode 1: Transmit - BLE mode (2480MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dB $\mu$ V	dB $\mu$ V/m	dB	dB $\mu$ V/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
4960.000	-3.472	49.500	46.029	-27.971	74.000
7440.000	-0.464	50.370	49.905	-24.095	74.000
9920.000	2.290	43.920	46.210	-27.790	74.000
<b>Average Detector:</b>					
--					
<b>Vertical</b>					
<b>Peak Detector:</b>					
4960.000	-3.472	50.190	46.719	-27.281	74.000
7440.000	-0.464	50.560	50.095	-23.905	74.000
9920.000	2.290	44.440	46.730	-27.270	74.000
<b>Average Detector:</b>					
--					



Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch

Test Item : General Radiated Emission

Test Site : No.3 OATS

Test Mode : Mode 1: Transmit - BLE mode (2440MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
<b>Horizontal</b>					
179.014	-12.236	45.002	32.766	-10.734	43.500
308.348	-9.982	46.919	36.937	-9.063	46.000
392.696	-7.964	44.077	36.113	-9.887	46.000
678.072	-2.787	30.358	27.571	-18.429	46.000
843.957	-0.368	29.957	29.588	-16.412	46.000
992.971	1.530	29.855	31.385	-22.615	54.000
<b>Vertical</b>					
179.014	-12.236	39.187	26.951	-16.549	43.500
305.536	-10.049	36.868	26.819	-19.181	46.000
398.319	-7.832	40.195	32.363	-13.637	46.000
516.406	-5.557	33.588	28.031	-17.969	46.000
746.957	-1.513	33.778	32.265	-13.735	46.000
971.884	1.252	30.931	32.184	-21.816	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

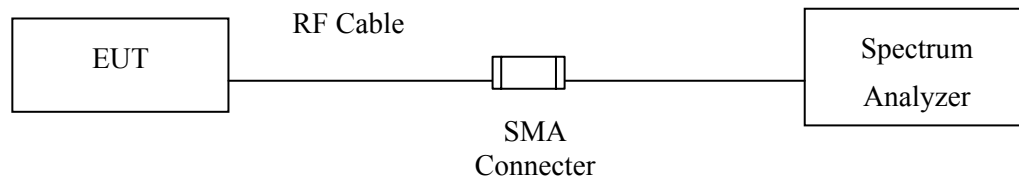
## 5. RF Antenna Conducted Test

### 5.1. Test Equipment

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.	Due Cal..
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun., 2016	Jun., 2017
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun., 2016	Jun., 2017
X	Spectrum Analyzer	R&S	FSV30 / 103464	Dec, 2015	Dec, 2016

Note: 1. All equipments are calibrated every one year.  
2. The test instruments Marked “X” are used to measure the final test results.

### 5.2. Test Setup



### 5.3. Limits

According to FCC Section 15.247(d). In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

### 5.4. Test Procedure

The EUT was tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.

### 5.5. Uncertainty

$\pm 1.20\text{dB}$

## 5.6. Test Result of RF Antenna Conducted Test

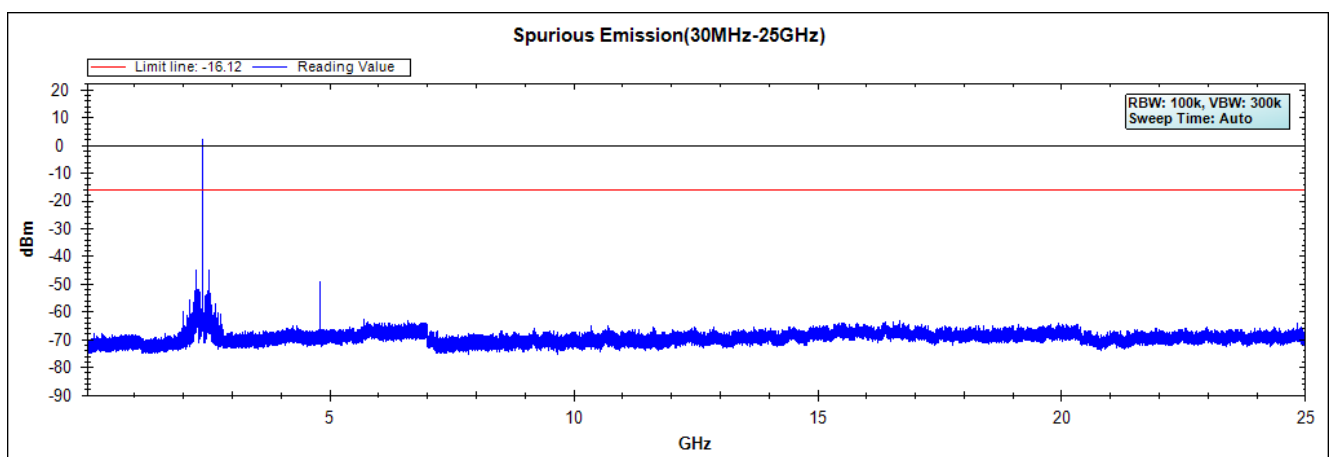
Product : MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch

Test Item : RF Antenna Conducted Test

Test Site : No.3 OATS

Test Mode : Mode 1: Transmit - BLE mode

**Figure Channel 00:**

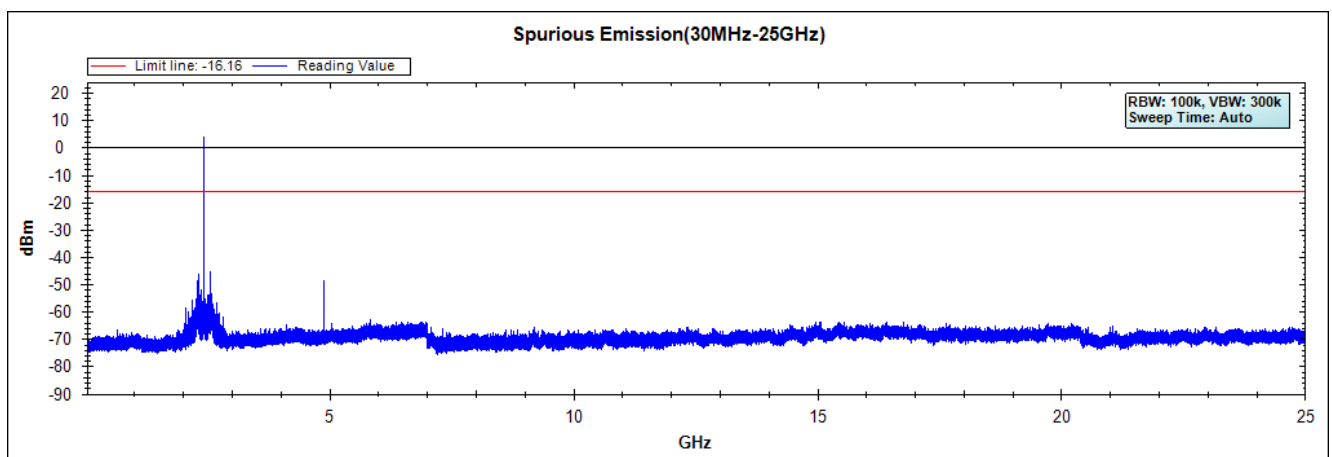


Product : MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch

Test Item : RF Antenna Conducted Test

Test Site : No.3 OATS

Test Mode : Mode 1: Transmit - BLE mode

**Figure Channel 19:**

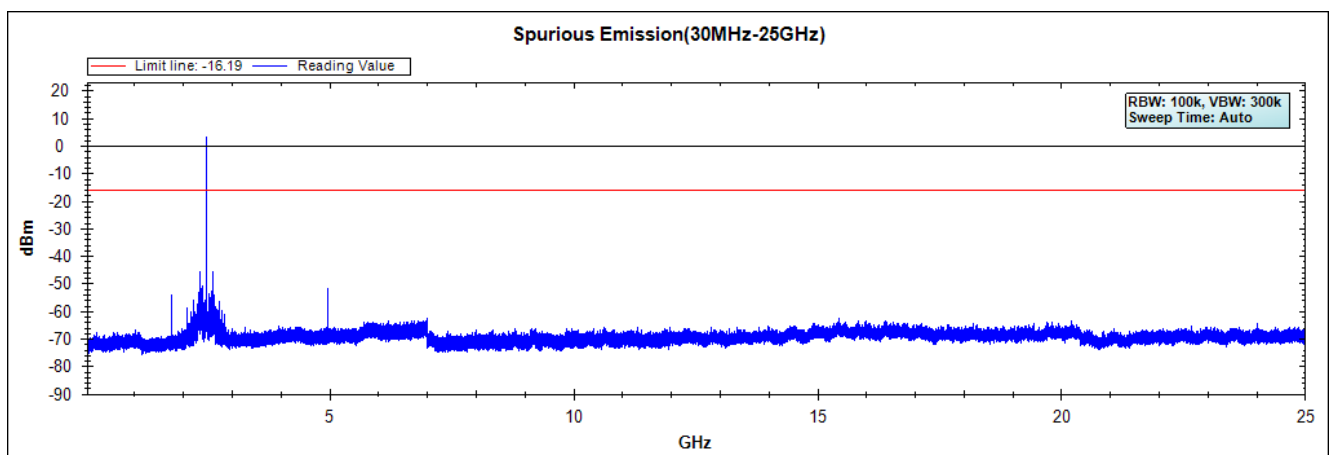
Product : MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch

Test Item : RF Antenna Conducted Test

Test Site : No.3 OATS

Test Mode : Mode 1: Transmit - BLE mode

Figure Channel 39:





## 6. Band Edge

### 6.1. Test Equipment

#### RF Conducted Measurement

The following test equipments are used during the band edge tests:

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.	Due Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2016	Jun, 2017
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2016	Jun, 2017
X	Spectrum Analyzer	R&S	FSV30 / 103464	Dec, 2015	Dec, 2016

#### RF Radiated Measurement:

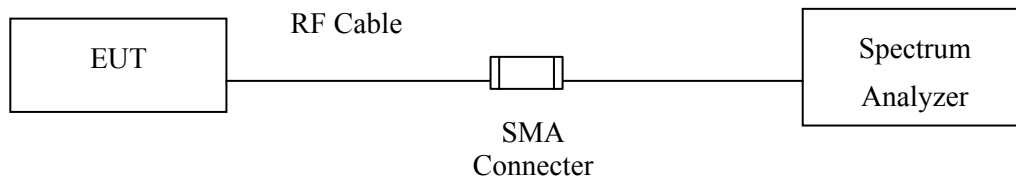
The following test equipments are used during the band edge tests:

Test Site		Equipment	Manufacturer	Model No./Serial No.	Last Cal.	Due Cal.
☒CB # 8	X	Spectrum Analyzer	R&S	FSP40/ 100339	Oct, 2015	Oct, 2016
	X	Horn Antenna	ETS-Lindgren	3117/ 35205	Mar, 2016	Mar, 2017
	X	Horn Antenna	Schwarzbeck	BBHA9170/209	Jan, 2016	Jan, 2017
	X	Horn Antenna	TRC	AH-0801/95051	Aug, 2016	Aug, 2017
	X	Pre-Amplifier	EMCI	EMC012630SE/980210	Jan, 2016	Jan, 2017
	X	Pre-Amplifier	MITEQ	JS41-001040000-58-5P/153945	Jul, 2016	Jul, 2017
	X	Pre-Amplifier	NARDA	DBL-1840N506/013	Jul, 2016	Jul, 2017

- Note:
1. All equipments are calibrated every one year.
  2. The test instruments marked by "X" are used to measure the final test results.

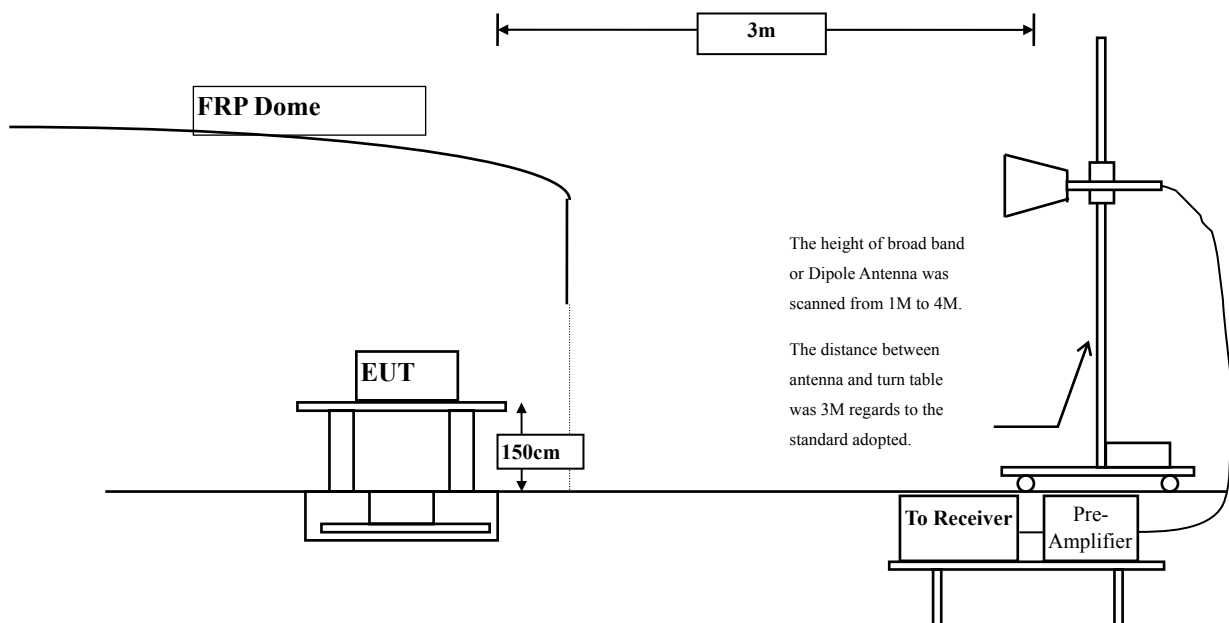
## 6.2. Test Setup

### RF Conducted Measurement



### RF Radiated Measurement:

Above 1GHz



### 6.3. Limit

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. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

### 6.4. Test Procedure

The EUT was setup according to ANSI C63.10, 2013 and tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.

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. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

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.

### 6.5. Uncertainty

± 4.08 dB above 1GHz

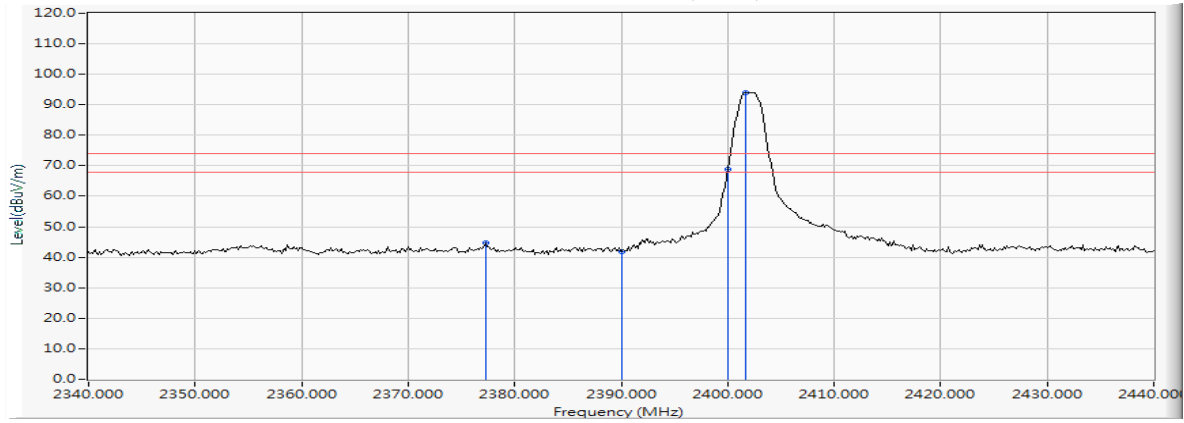
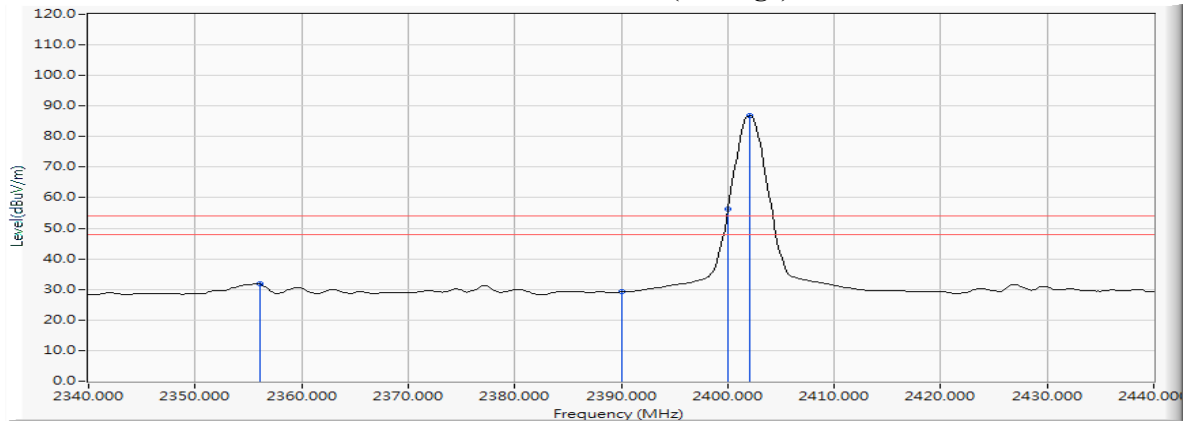
± 4.22 dB below 1GHz

## 6.6. Test Result of Band Edge

Product	:	MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch
Test Item	:	Band Edge
Test Site	:	CB8
Test Mode	:	Mode 1: Transmit - BLE mode

### RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
00 (Peak)	2377.246	11.842	32.736	44.577	74.00	54.00	Pass
00 (Peak)	2390.000	11.897	30.001	41.898	74.00	54.00	Pass
00 (Peak)	2400.000	11.935	57.002	68.937	--	--	--
00 (Peak)	2401.739	11.942	82.074	94.015	--	--	--
00 (Average)	2356.087	11.742	20.026	31.768	74.00	54.00	Pass
00 (Average)	2390.000	11.897	17.232	29.129	74.00	54.00	Pass
00 (Average)	2400.000	11.935	44.438	56.373	--	--	--
00 (Average)	2402.029	11.943	74.895	86.837	--	--	--

**Figure Channel 00:****Horizontal (Peak)****Figure Channel 00:****Horizontal (Average)**

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch

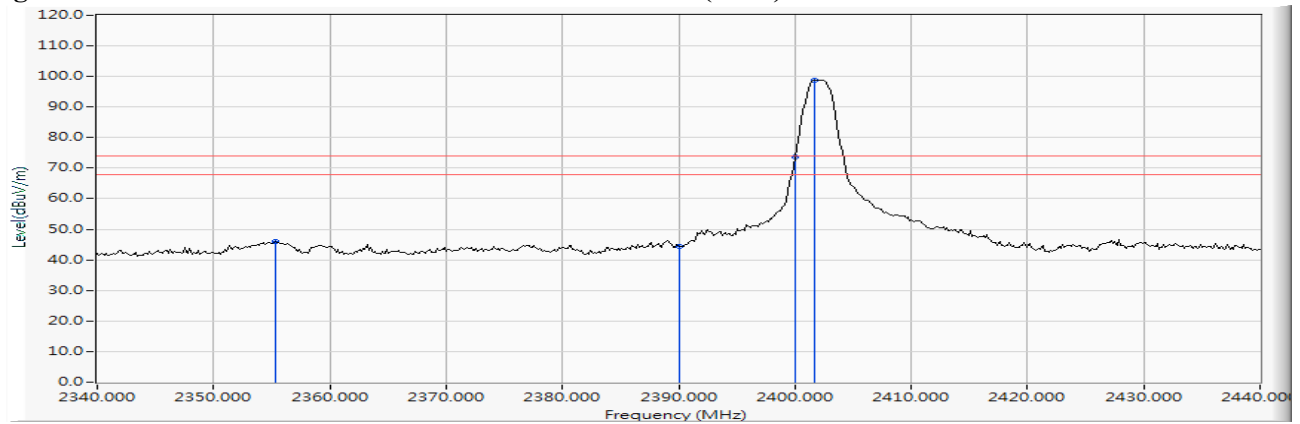
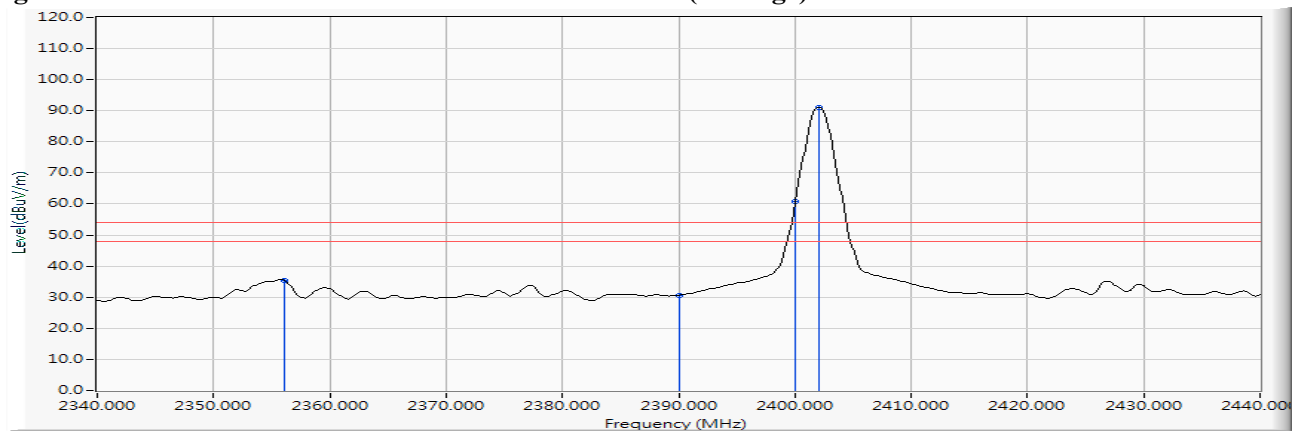
Test Item : Band Edge

Test Site : CB8

Test Mode : Mode 1: Transmit - BLE mode

**RF Radiated Measurement (Vertical):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
00 (Peak)	2355.362	11.739	34.174	45.913	74.00	54.00	Pass
00 (Peak)	2390.000	11.897	32.609	44.506	74.00	54.00	Pass
00 (Peak)	2400.000	11.935	61.732	73.667	--	--	--
00 (Peak)	2401.739	11.942	86.889	98.830	--	--	--
00 (Average)	2356.087	11.742	23.742	35.484	74.00	54.00	Pass
00 (Average)	2390.000	11.897	18.811	30.708	74.00	54.00	Pass
00 (Average)	2400.000	11.935	48.765	60.700	--	--	--
00 (Average)	2402.029	11.943	79.256	91.198	--	--	--

**Figure Channel 00:****Vertical (Peak)****Figure Channel 00:****Vertical (Average)**

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch

Test Item : Band Edge

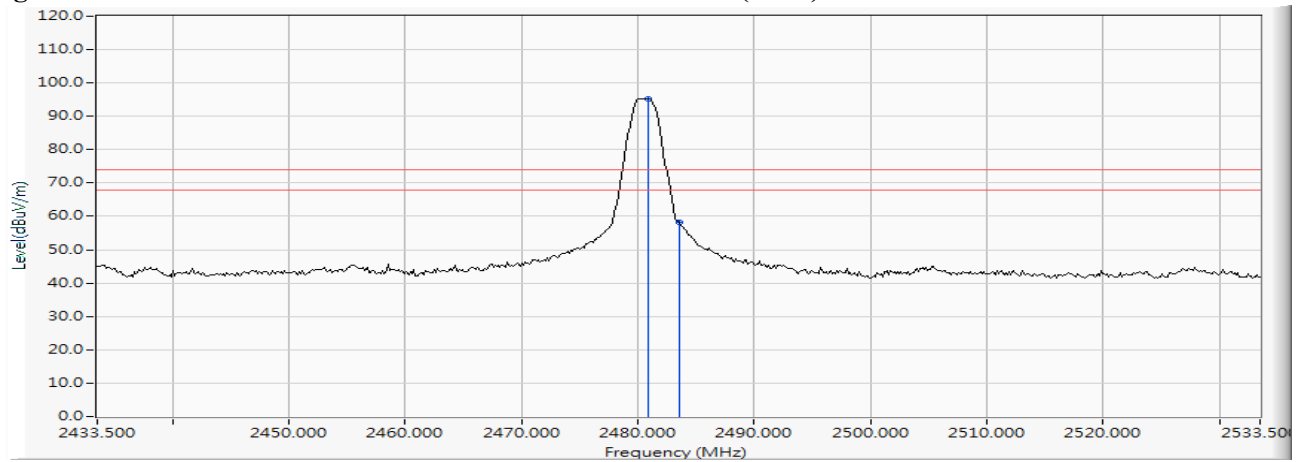
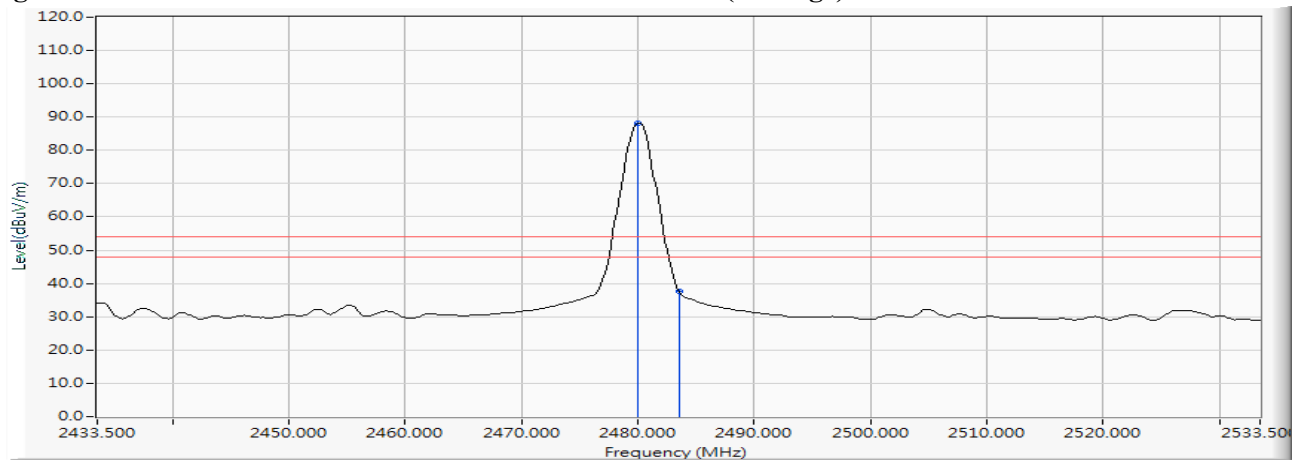
Test Site : CB8

Test Mode : Mode 1: Transmit - BLE mode

**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
39 (Peak)	2480.891	12.261	83.080	95.342	--	--	--
39 (Peak)	2483.500	12.272	45.920	58.192	74.00	54.00	Pass
39 (Average)	2480.022	12.258	75.834	88.092	--	--	--
39 (Average)	2483.500	12.272	25.529	37.801	74.00	54.00	Pass



**Figure Channel 39:****Horizontal (Peak)****Figure Channel 39:****Horizontal (Average)**

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch

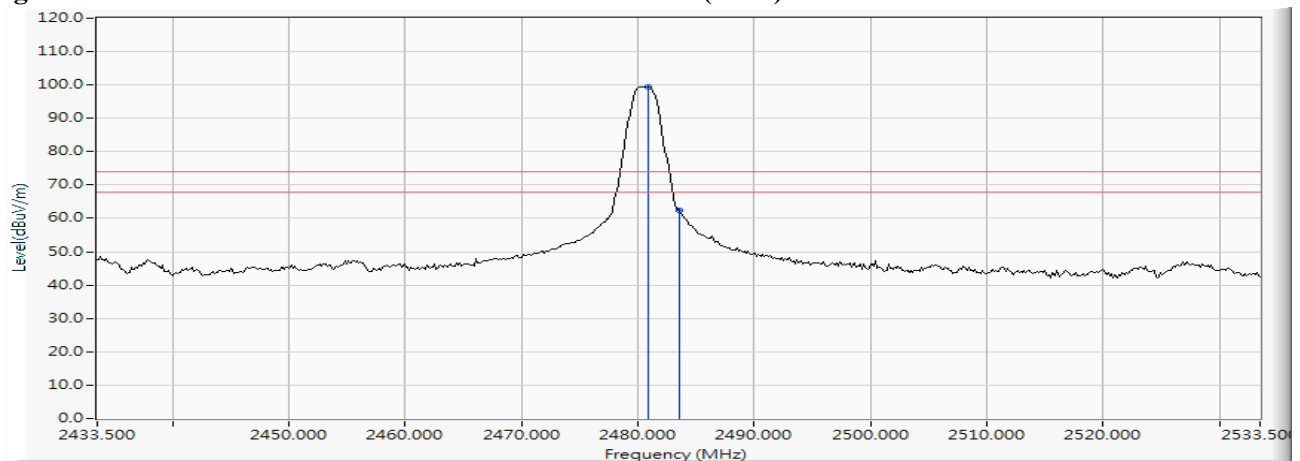
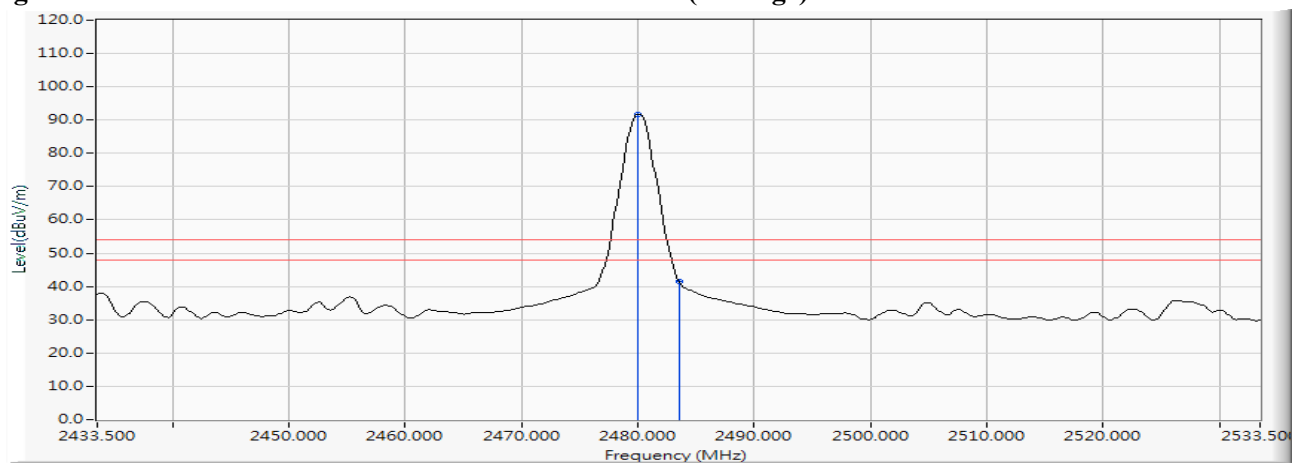
Test Item : Band Edge

Test Site : CB8

Test Mode : Mode 1: Transmit - BLE mode

**RF Radiated Measurement (Vertical):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB $\mu$ V)	Emission Level (dB $\mu$ V/m)	Peak Limit (dB $\mu$ V/m)	Average Limit (dB $\mu$ V/m)	Result
39 (Peak)	2480.891	12.261	87.269	99.531	--	--	--
39 (Peak)	2483.500	12.272	50.166	62.438	74.00	54.00	Pass
39 (Average)	2480.022	12.258	79.573	91.831	--	--	--
39 (Average)	2483.500	12.272	29.236	41.508	74.00	54.00	Pass

**Figure Channel 39:****Vertical (Peak)****Figure Channel 39:****Vertical (Average)**

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

## 7. 6dB Bandwidth

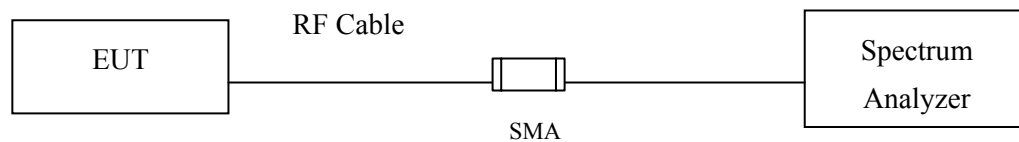
### 7.1. Test Equipment

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.	Due Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2016	Jun, 2017
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2016	Jun, 2017
X	Spectrum Analyzer	R&S	FSV30 / 103464	Dec, 2015	Dec, 2016

Note:

1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with “X” are used to measure the final test results.

### 7.2. Test Setup



### 7.3. Limits

The minimum bandwidth shall be at least 500 kHz.

### 7.4. Test Procedure

The EUT was setup according to ANSI C63.10 2013; tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 1-5% of the emission bandwidth, VBW  $\geq$  3\*RBW

### 7.5. Uncertainty

$\pm$  283Hz

## 7.6. Test Result of 6dB Bandwidth

Product : MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch

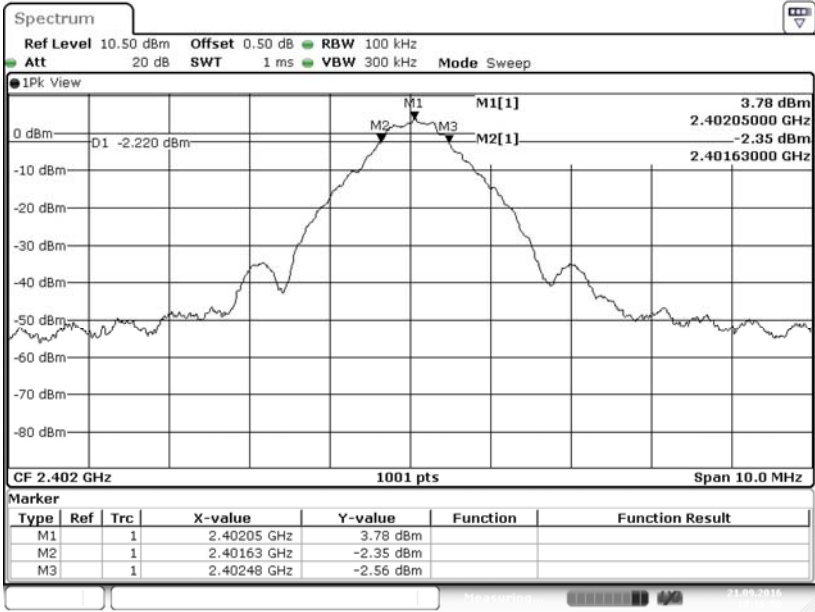
Test Item : 6dB Bandwidth Data

Test Site : No.3 OATS

Test Mode : Mode 1: Transmit - BLE mode (2402MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
00	2402	850	$\geq 500$	Pass

**Figure Channel 00:**



Date: 21.SEP.2016 10:16:01

Product : MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch

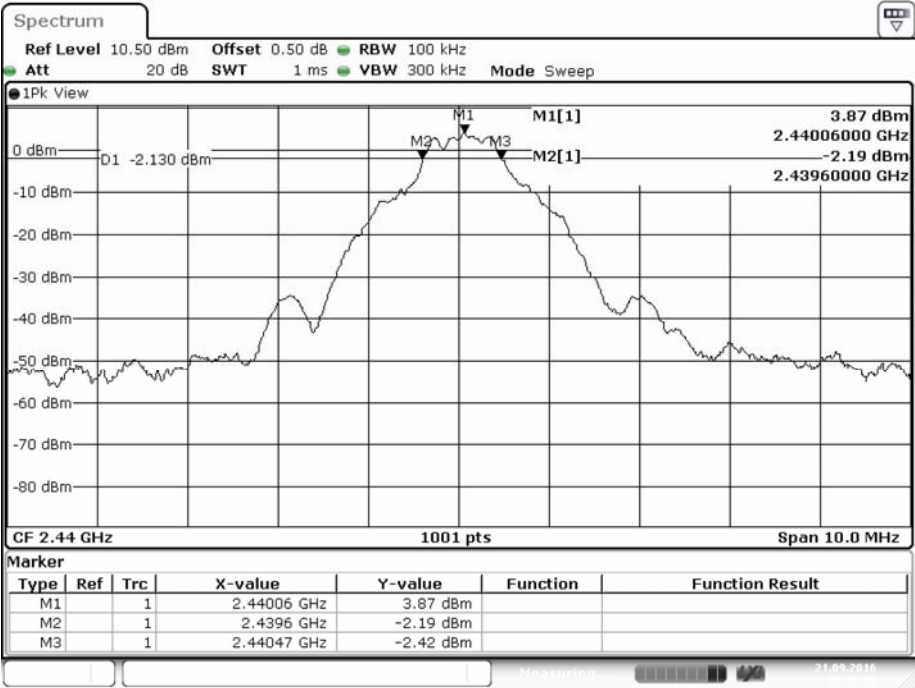
Test Item : 6dB Bandwidth Data

Test Site : No.3 OATS

Test Mode : Mode 1: Transmit - BLE mode (2440MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
19	2440	870	$\geq 500$	Pass

**Figure Channel 19:**



Date: 21.SEP.2016 10:39:48



Product : MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch

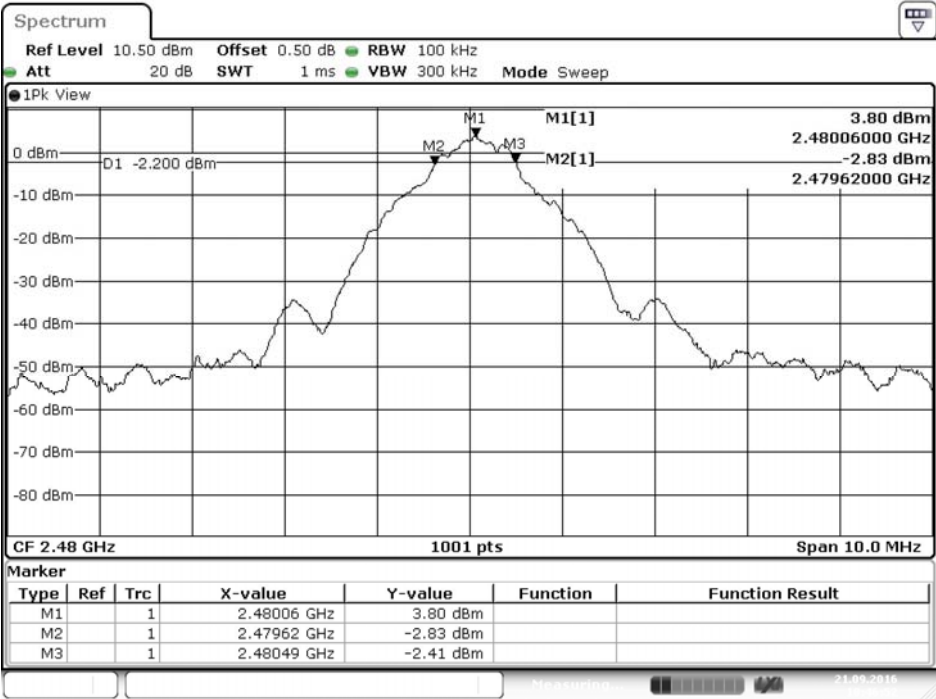
Test Item : 6dB Bandwidth Data

Test Site : No.3 OATS

Test Mode : Mode 1: Transmit - BLE mode (2480MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
39	2480	870	$\geq 500$	Pass

**Figure Channel 39:**



Date: 21.SEP.2016 10:46:52

## 8. Power Density

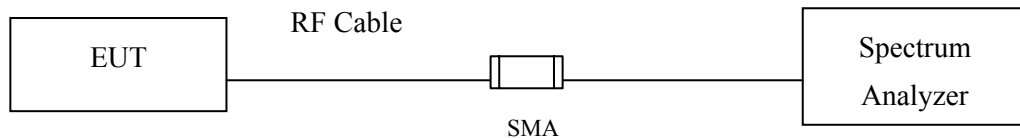
### 8.1. Test Equipment

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.	Due Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2016	Jun, 2017
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2016	Jun, 2017
X	Spectrum Analyzer	R&S	FSV30 / 103464	Dec, 2015	Dec, 2016

Note:

1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with “X” are used to measure the final test results.

### 8.2. Test Setup



### 8.3. Limits

The transmitted power density averaged over any 1 second interval shall not be greater +8dBm in any 3kHz bandwidth.

### 8.4. Test Procedure

The EUT was setup according to ANSI C63.10: 2013, the maximum power spectral density using KDB 558074 section 10.2 PKPSD (peak PSD) method.

### 8.5. Uncertainty

$\pm 1.20$  dB

## 8.6. Test Result of Power Density

Product : MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch

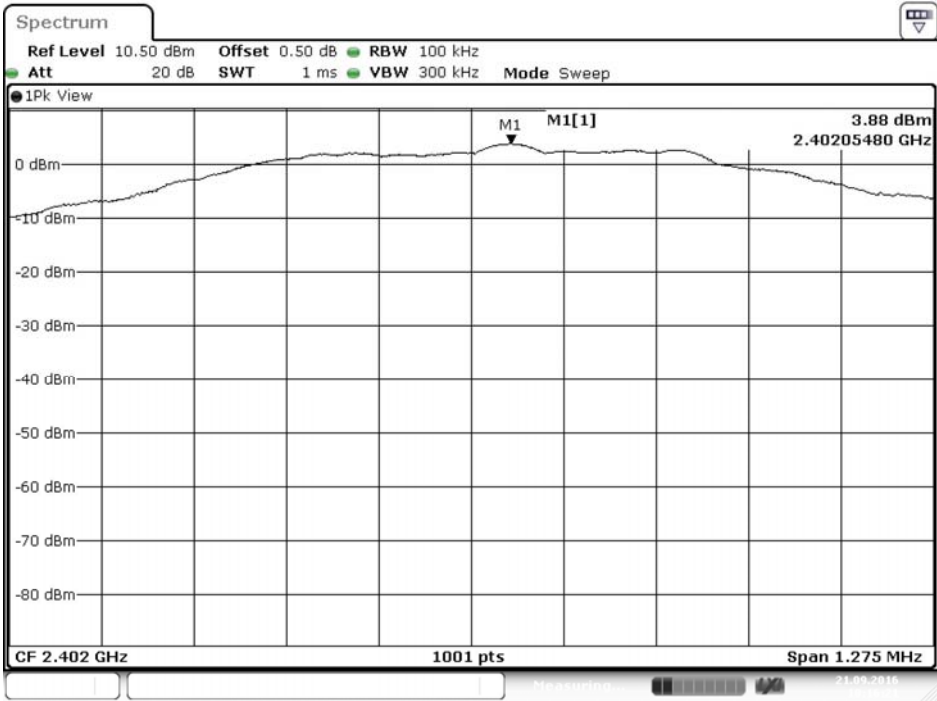
Test Item : Power Density Data

Test Site : No.3 OATS

Test Mode : Mode 1: Transmit - BLE mode (2402MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
00	2402	3.880	$\leq 8\text{dBm}$	Pass

Figure Channel 00:



Date: 21.SEP.2016 10:16:22

Product : MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch

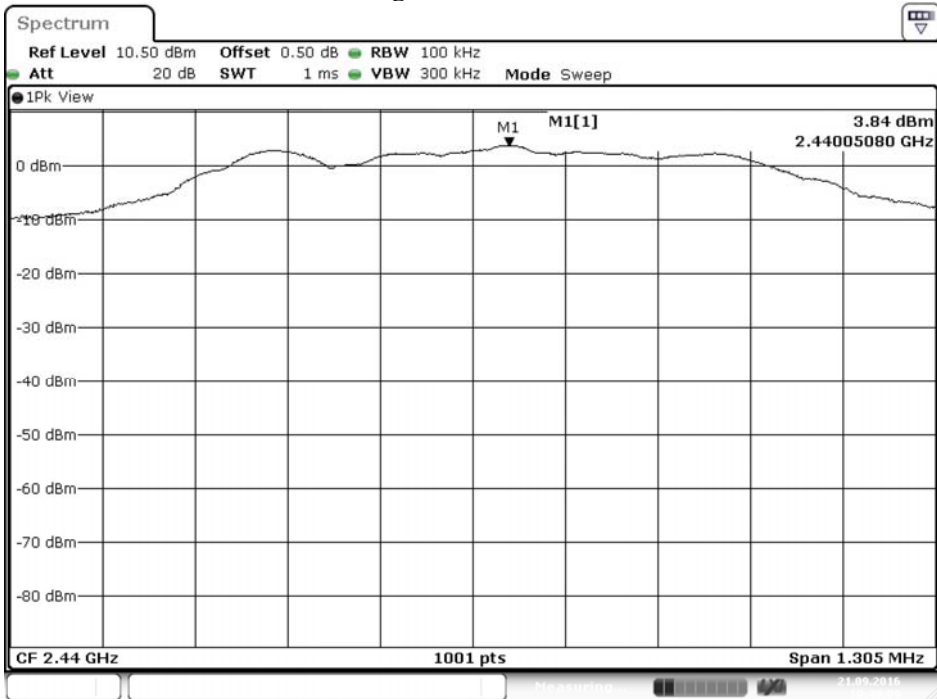
Test Item : Power Density Data

Test Site : No.3OATS

Test Mode : Mode 1: Transmit - BLE mode (2440MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
19	2440	3.840	$\leq 8\text{dBm}$	Pass

Figure Channel 19:



Date: 21.SEP.2016 10:40:10

Product : MICRO COLOR GPS,FEMTO GPS, FEMTO GPS Watch,FEMTO COLOR GPS,FEMTO COLOR GPS Watch,FEMTO Enhanced GPS, FEMTO GPS XL, FEMTO GPS XL Watch, FEMTO GPS XXL,FEMTO Track GPS,FEMTO Map GPS, FEMTO Map XL GPS,FEMTO Over Drive GPS,FEMTO Touch GPS, FEMTO Touch GPS Watch,FEMTO Touch XL GPS, FEMTO Touch Color GPS, FEMTO Touch Color GPS Watch, FEMTO Depth Watch,HECTO GPS,HECTO GPS Watch,HECTO COLOR GPS, HECTO COLOR GPS Watch, HECTO Enhanced GPS,HECTO GPS XL, HECTO GPS XL Watch, HECTO GPS XXL, HECTO Track GPS, HECTO Map GPS,HECTO Map XL GPS,HECTO Over Drive GPS, HECTO Touch GPS, HECTO Touch GPS Watch, HECTO Touch XL GPS,HECTO Touch Color GPS, HECTO Touch Color GPS Watch, HECTO Depth Watch,MICRO GPS, MICRO GPS WATCH,MICRO C GPS WATCH, MICRO Enhanced GPS, MICRO GPS XL,MICRO GPS XL Watch, MICRO GPS XXL, MICRO Track GPS, MICRO Map GPS, MICRO Map XL GPS,MICRO Over Drive GPS, MICRO Touch GPS, MICRO Touch GPS Watch, MICRO Touch XL GPS,MICRO Touch Color GPS, MICRO Touch Color GPS Watch, MICRO Depth Watch,MINI GPS, MINI GPS Watch, MINI COLOR GPS, MINI COLOR GPS Watch, MINI Enhanced GPS,MINI GPS XL, MINI GPS XL Watch, MINI GPS XXL, MINI Track GPS,MINI Map GPS,MINI Map XL GPS,MINI Over Drive GPS, MINI Touch GPS, MINI Touch GPS Watch, MINI Touch XL GPS,MINI Touch Color GPS,MINI Touch Color GPS Watch, MINI Depth Watch

Test Item : Power Density Data

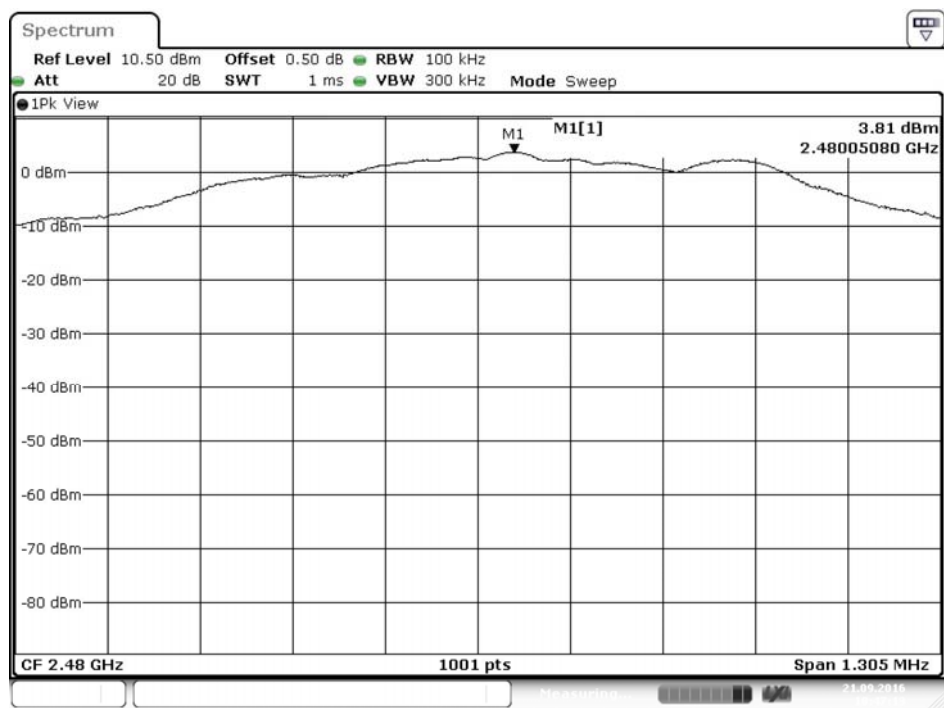
Test Site : No.3 OATS

Test Mode : Mode 1: Transmit - BLE mode (2480MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
39	2480	3.810	$\leq 8\text{dBm}$	Pass



Figure Channel 39:



Date: 21.SEP.2016 10:47:13

## **9. EMI Reduction Method During Compliance Testing**

No modification was made during testing.