

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC152211

1 of 45 Page:

FCC Radio Test Report FCC ID: 2ALTC-V06

Original Grant

Report No. TB-FCC152211

SHENZHEN WO-SMART TECHNOLOGIES CO., LTD **Applicant**

Equipment Under Test (EUT)

EUT Name Sport BP Watch

Model No. V06

Serial No. V06 pro

Brand Name

Receipt Date 2017-03-28

Test Date 2017-03-29 to 2017-04-12

Issue Date 2017-04-13

Standards FCC Part 15: 2016, Subpart C(15.247)

Test Method ANSI C63.10: 2013

Conclusions **PASS**

In the configuration tested, the EUT complied with the standards specified above,

Test/Witness

Engineer

Approved&

Authorized

the report.

IVAN SU fay hai.

ensure that all products in series production are in conformity with the product sample detailed in

TB-RF-074-1.0

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should





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1. General Information about EUT

1.1 Client Information

Applicant: SHENZHEN WO-SMART TECHNOLOGIES CO., LTD

Address : 2C, AB Block, Tianji Building, Tian'an Cyber Park, Chegongmiao,

Futian District, Shenzhen, China

Manufacturer: SHENZHEN WO-SMART TECHNOLOGIES CO., LTD

Address: 2C, AB Block, Tianji Building, Tian'an Cyber Park, Chegongmiao,

Futian District, Shenzhen, China

1.2 General Description of EUT (Equipment Under Test)

EUT Name	:	Sport BP Watch	2000		
Models No.	7	V06, V06pro			
Model Difference	87.		All these models are identical in the same PCB layout and electrical circuit, the only difference is model name for commercial.		
The state of the s		Operation Frequency:	Bluetooth 4.0(BLE): 2402MHz~2480MHz		
	N. C.	Number of Channel:	Bluetooth 4.0(BLE): 40 channels see note(3)		
Product		RF Output Power:	-9.51 dBm Conducted Power		
Description	5	Antenna Gain:	0.5 dBi FPC Antenna		
		Modulation Type:	GFSK		
	2	Bit Rate of Transmitter:	1Mbps(GFSK)		
Power Supply	:	DC Voltage Supplied by DC Supply by the Batter	DC Voltage Supplied by the Host System. DC Supply by the Battery.		
Power Rating	:	DC 5.0 V by Host System. DC 3.7 V by 110mAh Li-Lion Battery. Please refer to the User's Manual			
Connecting I/O Port(S)	:				

Note:

This Test Report is FCC Part 15.247 for Bluetooth BLE, the test procedure follows the FCC KDB 558074 D01 DTS Means Guidance v04.

- (1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- (2) Antenna information provided by the applicant.
- (3) Channel List:

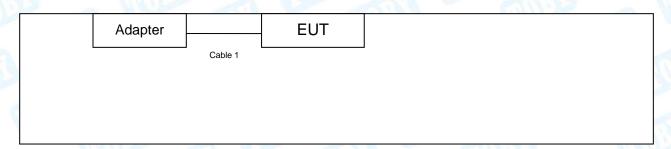


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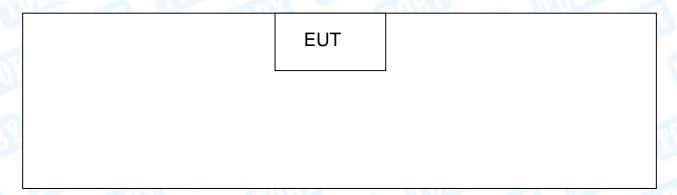
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	14	2430	28	2458
01	2404	15	2432	29	2460
02	2406	16	2434	30	2462
03	2408	17	2436	31	2464
04	2410	18	2438	32	2466
05	2412	19	2440	33	2468
06	2414	20	2442	34	2470
07	2416	21	2444	35	2472
08	2418	22	2446	36	2474
09	2420	23	2448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

1.3 Block Diagram Showing the Configuration of System Tested

USB Charging Mode



TX Mode





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1.4 Description of Support Units

	E	quipment Informat	tion	
Name	Model	FCC ID/VOC	Manufacturer	Used "√"
AC/DC Adapter	TEKA012	VOC	TEKA	1
AC/DC Adapter:	Input:100~240V, 50/60	OHz, 0.2A. Output: 5V	′, 1A	WOD
		Cable Information		
Number	Shielded Type	Ferrite Core	Length	Note
Cable 1	NO	NO	0.4M	3 110

1.5 Description of Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned follow was evaluated respectively.

For	Conducted Test
Final Test Mode	Description
Mode 1	TX Mode

For	Radiated Test
Final Test Mode	Description
Mode 2	TX Mode
Mode 3	TX Mode (Channel 00/20/39)

Note:

(1) For all test, we have verified the construction and function in typical operation. And all the test modes were carried out with the EUT in transmitting operation in maximum power with all kinds of data rate.

According to ANSI C63.10 standards, the measurements are performed at the highest, middle, lowest available channels, and the worst case data rate as follows:

BLE Mode: GFSK Modulation Transmitting mode.

- (2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
- (3) The EUT is considered a portable unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.



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1.6 Description of Test Software Setting

During testing channel& Power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of RF setting.

Test Software Version	Nrfgo studio		
Frequency	2402 MHz	2442MHz	2480 MHz
BLE GFSK	DEF	DEF	DEF

1.7 Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

Test Item	Parameters	Expanded Uncertainty (U _{Lab})
	Level Accuracy:	
Conducted Emission	9kHz~150kHz	±3.42 dB
	150kHz to 30MHz	±3.42 dB
Radiated Emission	Level Accuracy:	±4.60 dB
Radiated Effilssion	9kHz to 30 MHz	±4.00 ub
Radiated Emission	Level Accuracy:	±4.40 dB
Radiated Effilssion	30MHz to 1000 MHz	±4.40 dB
Radiated Emission	Level Accuracy:	±4,20 dB
Radiated Effilssion	Above 1000MHz	±4.20 dB



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1.8 Test Facility

The testing was performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at:1A/F., Bldg.6, Yusheng Industrial Zone, The National Road No.107 Xixiang Section 467, Xixiang, Bao'an, Shenzhen, Guangdong, China.

At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

FCC List No.: (811562)

The Laboratory is listed in the United States of American Federal Communications Commission (FCC), and the registration number is 811562.

IC Registration No.: (11950A-1)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A-1.



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2. Test Summary

Standard S	Section	Took Itam	Third area and	Domork
FCC	IC	Test Item	Judgment	Remark
15.203		Antenna Requirement	PASS	N/A
15.207(a)	RSS-GEN 7.2.4	Conducted Emission	PASS	N/A
15.205&15.247(d)	RSS-GEN 7.2.2	Band-Edge & Unwanted Emissions into Restricted Frequency	PASS	N/A
15.247(a)(2)	RSS 247 5.2 (1)	6dB Bandwidth	PASS	N/A
15.247(b)(3)	RSS 247 5.4 (4)	Conducted Max Output Power	PASS	N/A
15.247(e)	RSS 247 5.2 (2)	Power Spectral Density	PASS	N/A
15.205, 15.209&15.247(d)	RSS 247 5.5	Transmitter Radiated Spurious &Unwanted Emissions into Restricted Frequency	PASS	N/A

Note: N/A is an abbreviation for Not Applicable.



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3. Test Equipment

Conducte	d Emission Te	st			
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jul. 22, 2016	Jul. 21, 2017
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jul. 22, 2016	Jul. 21, 2017
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jul. 22, 2016	Jul. 21, 2017
LISN	Rohde & Schwarz	ENV216	101131	Jul. 22, 2016	Jul. 21, 2017
Radiation	Emission Tes	t			
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 22, 2016	Jul. 21, 2017
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jul. 22, 2016	Jul. 21, 2017
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Mar. 25, 2017	Mar. 24, 201
Bilog Antenna	ETS-LINDGREN	3142E	00117542	Mar. 25, 2017	Mar. 24, 201
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar. 25, 2017	Mar. 24, 2018
Horn Antenna	ETS-LINDGREN	3117	00143209	Mar. 25, 2017	Mar. 24, 201
Loop Antenna	Laplace instrument	RF300	0701	Mar. 25, 2017	Mar. 24, 2018
Pre-amplifier	Sonoma	310N	185903	Mar. 24, 2017	Mar. 23, 201
Pre-amplifier	HP	8449B	3008A00849	Mar. 29, 2017	Mar. 28, 201
Cable	HUBER+SUHNER	100	SUCOFLEX	Mar. 29, 2017	Mar. 28, 2018
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A
Antenna C	Conducted Em	ission			
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 22, 2016	Jul. 21, 2017
Spectrum Analyzer	Rohde & Schwarz	ESCI	100010/007	Jul. 22, 2016	Jul. 21, 2017
Power Meter	Anritsu	ML2495A	25406005	Jul. 22, 2016	Jul. 21, 2017
Power Sensor	Anritsu	ML2411B	25406005	Jul. 22, 2016	Jul. 21, 2017



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4. Conducted Emission Test

4.1 Test Standard and Limit

4.1.1Test Standard FCC Part 15.207

4.1.2 Test Limit

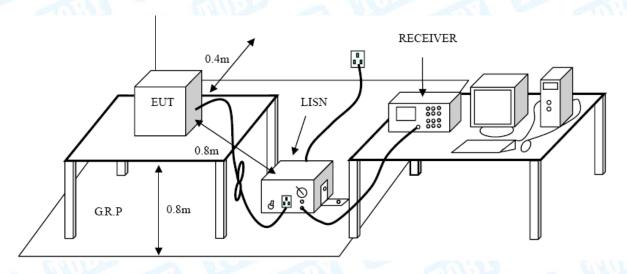
Conducted Emission Test Limit

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

Notes:

- (1) *Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.2 Test Setup



4.3 Test Procedure

The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/50uH of coupling impedance for the measuring instrument.

Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.



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I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

LISN at least 80 cm from nearest part of EUT chassis.

The bandwidth of EMI test receiver is set at 9 kHz, and the test frequency band is from 0.15MHz to 30MHz.

4.4 EUT Operating Mode

Please refer to the description of test mode.

4.5 Test Da5ta

Test data please refer the following pages.



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EUT:	Sport	BP Watch		Model:		V06	6
Temperature:	25℃	CIN!	NO T	Relative	Humidit	y: 55%	%
Test Voltage:	AC 12	20V/60 Hz	100		671	1133	
Terminal:	Line		AHO:	1	1 6		
Test Mode:	Charg	ging with TX	GFSK Mode	2402 MHz		9 N	Miller
Remark:	Only	worse case is	s reported			13	
80.0 dBuV				1 1		200	
						QP: AVG:	
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							dett-manager A)
-20							
-20 0.150	0.5		(MHz)	5			30.000
	0.5	Reading					30.000
		Reading Level	Correct	Measure-	Limit	Over	30.000
0.150	Freq.	Level	Correct Factor	Measure- ment			
0.150 No. Mk.	Freq.	Level dBuV	Correct Factor	Measure- ment	dBuV	dB	Detector
0.150 No. Mk.	Freq. MHz	dBuV 28.15	Correct Factor dB	Measure- ment dBuV 38.17	dBu∀ 61.89	dB -23.72	Detector
0.150 No. Mk. 1 0	Freq. MHz 0.2460	dBuV 28.15 15.48	Correct Factor dB 10.02 10.02	Measure- ment dBuV 38.17 25.50	dBuV 61.89 51.89	dB -23.72 -26.39	Detector QP AVG
0.150 No. Mk. 1 0 2 0 3 0	Freq. MHz 0.2460 0.2460 0.3060	Level dBuV 28.15 15.48 30.34	Correct Factor dB 10.02 10.02	Measure- ment dBuV 38.17 25.50 40.36	dBuV 61.89 51.89 60.08	dB -23.72 -26.39 -19.72	Detector QP AVG
0.150 No. Mk. 1	Freq. MHz 0.2460 0.2460 0.3060 0.3060	Level dBuV 28.15 15.48 30.34 16.92	Correct Factor dB 10.02 10.02 10.02	Measure- ment dBuV 38.17 25.50 40.36 26.94	dBuV 61.89 51.89 60.08 50.08	dB -23.72 -26.39 -19.72 -23.14	QP AVG QP
0.150 No. Mk. 1	Freq. MHz 0.2460 0.2460 0.3060 0.3060 0.3620	Level dBuV 28.15 15.48 30.34 16.92 30.75	Correct Factor dB 10.02 10.02 10.02 10.02	Measure- ment dBuV 38.17 25.50 40.36 26.94 40.77	dBuV 61.89 51.89 60.08 50.08 58.68	dB -23.72 -26.39 -19.72 -23.14 -17.91	QP AVG QP AVG
0.150 No. Mk. 1	Freq. MHz 0.2460 0.2460 0.3060 0.3060	Level dBuV 28.15 15.48 30.34 16.92	Correct Factor dB 10.02 10.02 10.02	Measure- ment dBuV 38.17 25.50 40.36 26.94	dBuV 61.89 51.89 60.08 50.08	dB -23.72 -26.39 -19.72 -23.14 -17.91	Detector QP AVG QP AVG
0.150 No. Mk. 1	Freq. MHz 0.2460 0.2460 0.3060 0.3060 0.3620	Level dBuV 28.15 15.48 30.34 16.92 30.75	Correct Factor dB 10.02 10.02 10.02 10.02	Measure- ment dBuV 38.17 25.50 40.36 26.94 40.77	dBuV 61.89 51.89 60.08 50.08 58.68	dB -23.72 -26.39 -19.72 -23.14 -17.91 -22.11	QP AVG QP AVG
0.150 No. Mk. 1	Freq. MHz 0.2460 0.3060 0.3060 0.3620 0.3620	Level dBuV 28.15 15.48 30.34 16.92 30.75 16.55	Correct Factor dB 10.02 10.02 10.02 10.02 10.02	Measure- ment dBuV 38.17 25.50 40.36 26.94 40.77 26.57	dBuV 61.89 51.89 60.08 50.08 58.68 48.68	dB -23.72 -26.39 -19.72 -23.14 -17.91 -22.11 -5.80	Detector QP AVG QP AVG QP QP
0.150 No. Mk. 1	Freq. MHz 0.2460 0.2460 0.3060 0.3060 0.3620 0.3620 0.4780	Level dBuV 28.15 15.48 30.34 16.92 30.75 16.55 40.55	Correct Factor dB 10.02 10.02 10.02 10.02 10.02 10.02 10.02	Measure- ment dBuV 38.17 25.50 40.36 26.94 40.77 26.57 50.57	dBuV 61.89 51.89 60.08 50.08 58.68 48.68 56.37	dB -23.72 -26.39 -19.72 -23.14 -17.91 -22.11 -5.80 -7.44	QP AVG QP AVG QP AVG
0.150 No. Mk. 1	Freq. MHz 0.2460 0.2460 0.3060 0.3060 0.3620 0.3620 0.4780 0.4780	Level dBuV 28.15 15.48 30.34 16.92 30.75 16.55 40.55 28.91	Correct Factor dB 10.02 10.02 10.02 10.02 10.02 10.02 10.02 10.02	Measure-ment dBuV 38.17 25.50 40.36 26.94 40.77 26.57 50.57 38.93	dBuV 61.89 51.89 60.08 50.08 58.68 48.68 56.37 46.37	dB -23.72 -26.39 -19.72 -23.14 -17.91 -22.11 -5.80 -7.44 -13.69	QP AVG QP AVG QP AVG

22.91

10.08

46.00 -23.09

Emission Level= Read Level+ Correct Factor

12.83

0.8780

12

AVG



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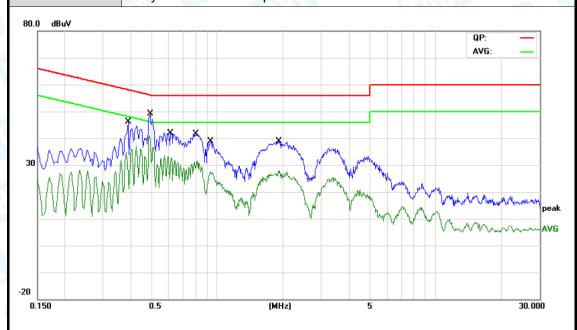
1		١T	V	7
10000	1) F	S Y	
	3		<i>,</i>	

UT:	Sport	BP Watch		Model:		V06	
emperature:	25℃		a 113	Relative	Humidity	y: 55%	6
est Voltage:	AC 12	20V/60 Hz	23	a CHI		1	A Brown
erminal:	Neutra	al	Till?		(11)	11.12	
est Mode:	Charg	ing with TX	GFSK Mod	e 2402 MHz	16	-	MAL
Remark:	Only v	worse case	is reported	MILLION STATES		a V	B. V. Barrier
80.0 dBuV							
30			vorvojsvojsvojsvojsvojsosovojs Rippill _o jskojsvojsvojsvojs	April the distribution of the property of the	VI Mariprogramme	QP: AVG:	peak AVG
20							
0.150	0.5		(MHz)	5			30.000
0.150		Reading	Correct	Measure-	Limit	Over	30.000
0.150	Freq.	Level	Correct Factor	Measure- ment	Limit	Over	
0.150 No. Mk.	Freq.	Level dBuV	Correct Factor	Measure- ment	dBuV	dB	Detector
0.150 No. Mk.	Freq. MHz 2420	dBuV 31.85	Correct Factor dB 10.02	Measure- ment dBuV 41.87	dBu√ 62.02	dB -20.15	Detector
0.150 No. Mk. 1 0. 2 0.	Freq. MHz 2420 2420	dBuV 31.85 15.82	Correct Factor dB 10.02 10.02	Measure- ment dBuV 41.87 25.84	dBuV 62.02 52.02	dB -20.15 -26.18	Detector QP AVG
0.150 No. Mk. 1 0. 2 0. 3 0.	Freq. MHz 2420 2420 2420	dBuV 31.85 15.82 33.81	Correct Factor dB 10.02 10.02	Measure- ment dBuV 41.87 25.84 43.83	dBuV 62.02 52.02 60.41	dB -20.15 -26.18 -16.58	QP AVG
0.150 No. Mk. 1 0. 2 0. 3 0. 4 0.	Freq. MHz 2420 2420 2940 2940	dBuV 31.85 15.82 33.81 18.00	Correct Factor dB 10.02 10.02 10.02	Measure- ment dBuV 41.87 25.84 43.83 28.02	dBuV 62.02 52.02 60.41 50.41	dB -20.15 -26.18 -16.58 -22.39	Detector QP AVG QP
0.150 No. Mk. 1 0. 2 0. 3 0. 4 0.	Freq. MHz 2420 2420 2420	dBuV 31.85 15.82 33.81	Correct Factor dB 10.02 10.02	Measure- ment dBuV 41.87 25.84 43.83	dBuV 62.02 52.02 60.41	dB -20.15 -26.18 -16.58 -22.39	QP AVG
0.150 No. Mk. 1 0. 2 0. 3 0. 4 0. 5 0.	Freq. MHz 2420 2420 2940 2940	dBuV 31.85 15.82 33.81 18.00	Correct Factor dB 10.02 10.02 10.02	Measure- ment dBuV 41.87 25.84 43.83 28.02	dBuV 62.02 52.02 60.41 50.41	dB -20.15 -26.18 -16.58 -22.39 -18.33	QP AVG QP AVG
0.150 No. Mk. 1 0. 2 0. 3 0. 4 0. 5 0. 6 0.	Freq. MHz 2420 2420 2940 2940 3460	dBuV 31.85 15.82 33.81 18.00 30.71	Correct Factor dB 10.02 10.02 10.02 10.02	Measure- ment dBuV 41.87 25.84 43.83 28.02 40.73	dBuV 62.02 52.02 60.41 50.41 59.06	dB -20.15 -26.18 -16.58 -22.39 -18.33 -25.45	QP AVG QP AVG
0.150 No. Mk. 1	Freq. MHz 2420 2420 2940 2940 3460 3460	dBuV 31.85 15.82 33.81 18.00 30.71 13.59	Correct Factor dB 10.02 10.02 10.02 10.02 10.02 10.02	Measure- ment dBuV 41.87 25.84 43.83 28.02 40.73 23.61	dBuV 62.02 52.02 60.41 50.41 59.06 49.06	dB -20.15 -26.18 -16.58 -22.39 -18.33 -25.45 -11.31	QP AVG QP AVG QP AVG
0.150 No. Mk. 1	Freq. MHz 2420 2420 2940 2940 3460 3460 4860	dBuV 31.85 15.82 33.81 18.00 30.71 13.59 34.91	Correct Factor dB 10.02 10.02 10.02 10.02 10.02 10.02 10.02	Measure- ment dBuV 41.87 25.84 43.83 28.02 40.73 23.61 44.93	dBuV 62.02 52.02 60.41 50.41 59.06 49.06 56.24	dB -20.15 -26.18 -16.58 -22.39 -18.33 -25.45 -11.31 -18.73	QP AVG QP AVG QP AVG
0.150 No. Mk. 1	Freq. MHz 2420 2420 2940 2940 3460 3460 4860	dBuV 31.85 15.82 33.81 18.00 30.71 13.59 34.91 17.49	Correct Factor dB 10.02 10.02 10.02 10.02 10.02 10.02 10.02 10.02	Measure- ment dBuV 41.87 25.84 43.83 28.02 40.73 23.61 44.93 27.51	dBuV 62.02 52.02 60.41 50.41 59.06 49.06 56.24 46.24	dB -20.15 -26.18 -16.58 -22.39 -18.33 -25.45 -11.31 -18.73	QP AVG QP AVG QP AVG
0.150 No. Mk. 1	Freq. MHz 2420 2420 2940 2940 3460 3460 4860 4860 5860	Level dBuV 31.85 15.82 33.81 18.00 30.71 13.59 34.91 17.49 25.72	Correct Factor dB 10.02 10.02 10.02 10.02 10.02 10.02 10.02 10.02 10.02	Measure- ment dBuV 41.87 25.84 43.83 28.02 40.73 23.61 44.93 27.51 35.78	dBuV 62.02 52.02 60.41 50.41 59.06 49.06 56.24 46.24 56.00	dB -20.15 -26.18 -16.58 -22.39 -18.33 -25.45 -11.31 -18.73	QP AVG QP AVG QP AVG QP



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		100	
EUT:	Sport BP Watch	Model:	V06
Temperature:	25℃	Relative Humidity:	55%
Test Voltage:	AC 240V/60 Hz		33
Terminal:	Line		
Test Mode:	Charging with TX GFSK Mode 2	2402 MHz	ARTIC
Remark:	Only worse case is reported		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBu∀	dB	Detector
1		0.3899	25.71	10.02	35.73	58.06	-22.33	QP
2		0.3899	15.57	10.02	25.59	48.06	-22.47	AVG
3		0.4940	36.90	10.02	46.92	56.10	-9.18	QP
4	*	0.4940	28.55	10.02	38.57	46.10	-7.53	AVG
5		0.6100	27.92	10.07	37.99	56.00	-18.01	QP
6		0.6100	17.97	10.07	28.04	46.00	-17.96	AVG
7		0.7980	26.82	10.10	36.92	56.00	-19.08	QP
8		0.7980	17.12	10.10	27.22	46.00	-18.78	AVG
9		0.9340	25.29	10.07	35.36	56.00	-20.64	QP
10		0.9340	17.53	10.07	27.60	46.00	-18.40	AVG
11		1.9260	26.92	10.06	36.98	56.00	-19.02	QP
12		1.9260	17.46	10.06	27.52	46.00	-18.48	AVG



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4 L	1	$\mathbf{D}\mathbf{V}$
	U	KY.
-	V	\mathbf{L}

UT:	Sport	BP Watch	2 17	Model:		VO	6	
emperature:	25℃	Carl's	NO T	Relative Humidity:		ty: 55%	55%	
est Voltage:	AC 2	40V/60 Hz	100	il F	GU	0.00		
erminal:	Neuti	ral	diffe					
est Mode:	Char	ging with TX	GFSK Mod	e 2402 MH:	Z	0	MATERIAL	
Remark:	Only	worse case	is reported	1	CITI	361		
0.0 dBuV								
30 /	**************************************		Market Ma	Market Ma		QP: AVG:	AV	
0.150	0.5		(MHz)	5			30.000	
	0.5						30.000	
		Reading Level	Correct	Measure- ment	Limit	Over	30.000	
0.150	Freq.	Reading Level		Measure-	Limit	Over	30.000 Detector	
0.150 No. Mk.	Freq.	Level	Correct Factor	Measure- ment	dBuV			
0.150 No. Mk.	Freq.	Level dBu∨	Correct Factor	Measure- ment	dBuV 64.03	dB	Detector	
0.150 No. Mk. 1 (2	Freq. MHz	dBuV 24.79	Correct Factor dB	Measure- ment dBuV 34.79	dBuV 64.03 54.03	dB -29.24	Detector QP	
0.150 No. Mk. 1 0 2 0 3 0	Freq. MHz 0.1900 0.1900	dBuV 24.79 13.32	Correct Factor dB 10.00	Measure- ment dBuV 34.79 23.32	dBuV 64.03 54.03 62.16	dB -29.24 -30.71	Detector QP AVG	
0.150 No. Mk. 1 0 2 0 3 0 4 0	Freq. MHz 0.1900 0.1900 0.2380	Level dBuV 24.79 13.32 26.26	Correct Factor dB 10.00 10.00	Measure- ment dBuV 34.79 23.32 36.28	dBuV 64.03 54.03 62.16 52.16	dB -29.24 -30.71 -25.88	Detector QP AVG	
0.150 No. Mk. 1 (2 (3 (4 (6 (5 (6 (6 (6 (6 (6 (6 (6 (6 (6 (6 (6 (6 (6	Freq. MHz 0.1900 0.1900 0.2380 0.2380	Level dBuV 24.79 13.32 26.26 13.02	Correct Factor dB 10.00 10.00 10.02	Measure- ment dBuV 34.79 23.32 36.28 23.04	dBuV 64.03 54.03 62.16 52.16 59.25	dB -29.24 -30.71 -25.88 -29.12	Detector QP AVG	
0.150 No. Mk. 1	Freq. MHz 0.1900 0.1900 0.2380 0.2380 0.3379	Level dBuV 24.79 13.32 26.26 13.02 26.97	Correct Factor dB 10.00 10.00 10.02 10.02	Measure- ment dBuV 34.79 23.32 36.28 23.04 36.99	dBuV 64.03 54.03 62.16 52.16 59.25 49.25	dB -29.24 -30.71 -25.88 -29.12 -22.26	Detector QP AVG QP AVG	
0.150 No. Mk. 1	Freq. MHz 0.1900 0.1900 0.2380 0.2380 0.3379 0.3379	Level dBuV 24.79 13.32 26.26 13.02 26.97 13.56	Correct Factor dB 10.00 10.00 10.02 10.02 10.02 10.02	Measure- ment dBuV 34.79 23.32 36.28 23.04 36.99 23.58	dBuV 64.03 54.03 62.16 52.16 59.25 49.25 57.73	dB -29.24 -30.71 -25.88 -29.12 -22.26 -25.67	QP AVG QP AVG QP AVG	
0.150 No. Mk. 1	Freq. MHz 0.1900 0.1900 0.2380 0.2380 0.3379 0.3379 0.4060	Level dBuV 24.79 13.32 26.26 13.02 26.97 13.56 31.09	Correct Factor dB 10.00 10.00 10.02 10.02 10.02 10.02 10.02	Measure- ment dBuV 34.79 23.32 36.28 23.04 36.99 23.58 41.11	dBuV 64.03 54.03 62.16 52.16 59.25 49.25 57.73 47.73	dB -29.24 -30.71 -25.88 -29.12 -22.26 -25.67 -16.62	QP AVG QP AVG QP AVG	
0.150 No. Mk. 1	Freq. MHz 0.1900 0.1900 0.2380 0.2380 0.3379 0.3379 0.4060 0.4060	Level dBuV 24.79 13.32 26.26 13.02 26.97 13.56 31.09 19.60	Correct Factor dB 10.00 10.00 10.02 10.02 10.02 10.02 10.02 10.02	Measure- ment dBuV 34.79 23.32 36.28 23.04 36.99 23.58 41.11 29.62	dBuV 64.03 54.03 62.16 52.16 59.25 49.25 57.73 47.73 56.10	dB -29.24 -30.71 -25.88 -29.12 -22.26 -25.67 -16.62 -18.11	QP AVG QP AVG QP AVG QP AVG	
0.150 No. Mk. 1	Freq. MHz 0.1900 0.1900 0.2380 0.2380 0.3379 0.4060 0.4060 0.4940	Level dBuV 24.79 13.32 26.26 13.02 26.97 13.56 31.09 19.60 33.44	Correct Factor dB 10.00 10.00 10.02 10.02 10.02 10.02 10.02 10.02 10.02	Measure- ment dBuV 34.79 23.32 36.28 23.04 36.99 23.58 41.11 29.62 43.46	dBuV 64.03 54.03 62.16 52.16 59.25 49.25 57.73 47.73 56.10 46.10	dB -29.24 -30.71 -25.88 -29.12 -22.26 -25.67 -16.62 -18.11 -12.64	QP AVG QP AVG QP AVG	



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5. Radiated Emission Test

5.1 Test Standard and Limit

5.1.1 Test Standard FCC Part 15.247(d)

5.1.2 Test Limit

Radiated Emission Limits (9kHz~1000MHz)

Frequency (MHz	Field Strength (microvolt/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Radiated Emission Limit (Above 1000MHz)

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

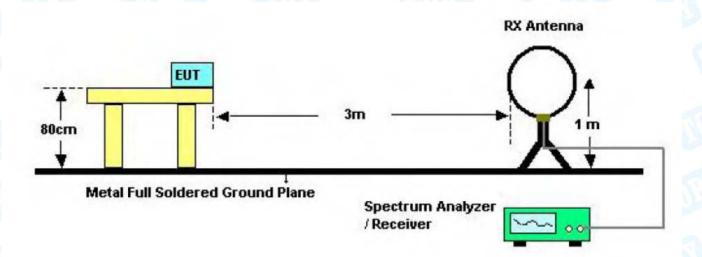
Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission Level (dBuV/m)=20log Emission Level (uV/m)

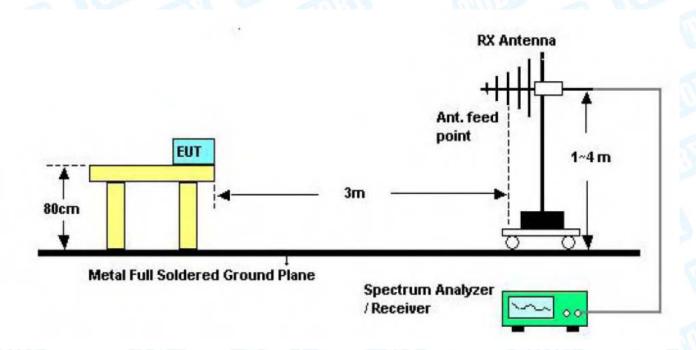


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5.2 Test Setup



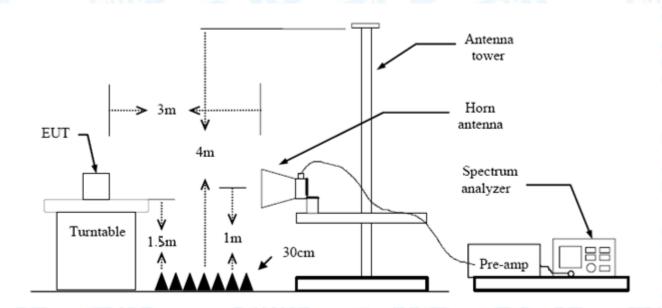
Below 30MHz Test Setup



Below 1000MHz Test Setup



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Above 1GHz Test Setup

5.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (8) For the actual test configuration, please see the test setup photo.



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5.4 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

5.5 Test Data

Remark: During testing above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

Test data please refer the following pages.



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9 KHz~30 MHz

From 9 KHz to 30 MHz: Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB

below the permissible value has no need to be reported.

30MHz~1GHz

© 3.7V prizontal E TX 2402 Mod ally worse case is	le	elative Humid		% 3M Radiation Margin -6 d	В
orizontal .E TX 2402 Mod		3	(RF)FCC 15C		В
E TX 2402 Mod		3	(RF)FCC 15C		В
		3	(RF)FCC 15C		В
ally worse case is	s reported	3	(RF)FCC 15C		IB .
	.h.	-3	(RF)FCC 15C		IB .
	.lv	3	(RF)FCC 15C		IB .
and the land woman was a separate	1 2	What A Mark Har	Kangar Maraka Alaman Andrews A	5 Specifikerson phase of the	
Reading	(MHz) Correct Factor	Measure- ment	400 500 Limit	600 700 Over	1000.000
dBuV	dB/m	dBuV/m	dBuV/m	dB	Detecto
30 36.49	-22.13	14.36	43.50	-29.14	peal
95 38.94	-21.51	17.43	43.50	-26.07	peal
77 45.91	-19.80	26.11	43.50	-17.39	peal
	-15.38				peal
					peal
					peal
	Reading Level dBuV 30 36.49 95 38.94	Reading Level Factor dBuV dB/m 30 36.49 -22.13 95 38.94 -21.51 77 45.91 -19.80 49 36.20 -15.38 77 27.84 -9.52 97 28.30 -5.30	Reading Level Factor Measure-ment dBuV dB/m dBuV/m 30 36.49 -22.13 14.36 95 38.94 -21.51 17.43 77 45.91 -19.80 26.11 49 36.20 -15.38 20.82 77 27.84 -9.52 18.32 97 28.30 -5.30 23.00	Reading Level Factor Measure- House Heading Level Factor Measure- House Heading Albert Meas	Reading Level Factor Measurement Limit Over dBuV dB/m dBuV/m dBuV/m dB 30 36.49 -22.13 14.36 43.50 -29.14 95 38.94 -21.51 17.43 43.50 -26.07 77 45.91 -19.80 26.11 43.50 -17.39 49 36.20 -15.38 20.82 46.00 -25.18 77 27.84 -9.52 18.32 46.00 -27.68 97 28.30 -5.30 23.00 46.00 -23.00



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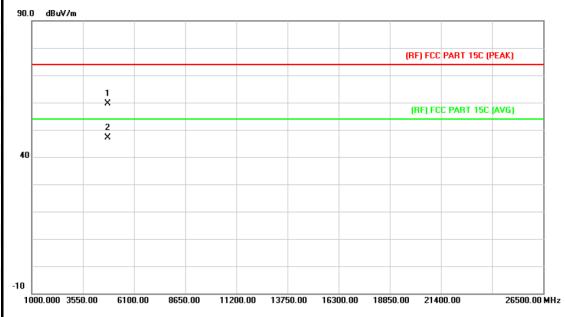
EUT:	Sport BP Watch		Model:		V06	
Temperature:	25℃	33	Relative Hu	midity:	55%	NAME OF THE OWNER, OWNE
Test Voltage:	DC 3.7V	100	11	(All	1:33	
Ant. Pol.	Vertical	Alto:		63		
Test Mode:	BLE TX 2402 Mod	de	CHILD'S		a W	
Remark:	Only worse case i	s reported			13	
80.0 dBuV/m						
30		2	3 X		15C 3M Radiation Margin -6	dB
Manager of the second	who have the second and the second a	Mary Mary Mary Mary Mary Mary Mary Mary	April 10 months and 18 months	Latter of Augusty	, Alexander de la company	
-20	which the second second	Managara de la companya de la compan	American parties	property and another	A	
		(MHz)	300		500 600 700	1000.00
-20 30.000 40 50						
-20 30.000 40 50 No. Mk. Fr	60 70 80 Reading	(MHz) Correct	300 Measure-	400 5	000 600 700 Over	
-20 30.000 40 50 No. Mk. Fr	Reading req. Level	(MHz) Correct Factor	Measure- ment	400 5	000 600 700 Over	1000.00
No. Mk. Fr	Reading Level	(MHz) Correct Factor dB/m	Measure- ment dBuV/m	400 5 Limit	Over	Detector peak
No. Mk. Fr M 1 * 68.8 2 191.	Reading Level dBuV 8721 50.16	Correct Factor dB/m -23.78	Measure- ment dBuV/m 26.38	400 5 Limit dBuV/m 40.00	Over dB -13.62	Detector peak peak
No. Mk. Fr M 1 * 68.8 2 191. 3 206.	Reading Level dBuV 3721 50.16 7450 43.93	Correct Factor dB/m -23.78	Measure- ment dBuV/m 26.38 23.48	400 5 Limit dBuV/m 40.00 43.50	Over dB -13.62 -20.02	1000.00
No. Mk. Fr. M. 1 * 68.8 2 191. 3 206. 4 793.	Reading Level dBuV 3721 50.16 7450 43.93 3976 42.18	(MHz) Correct Factor dB/m -23.78 -20.45 -19.71	Measure- ment dBuV/m 26.38 23.48 22.47	400 5 Limit dBuV/m 40.00 43.50	Over dB -13.62 -20.02 -21.03	Detector peak peak peak



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Above 1GHz

EUT:	Sport BP Watch	Model:	V06			
Temperature:	25℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7V					
Ant. Pol.	Horizontal					
Test Mode:	BLE Mode TX 2402 MHz					
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					

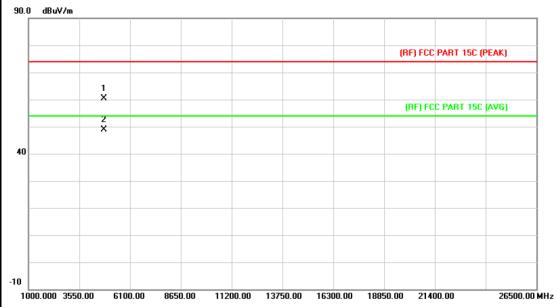


No	o. Mk	. Freq.			Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4803.862	46.28	13.44	59.72	74.00	-14.28	peak
2	*	4804.069	33.72	13.44	47.16	54.00	-6.84	AVG



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EUT:	Sport BP Watch	Model:	V06			
Temperature:	25℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7V	OC 3.7V				
Ant. Pol.	Vertical	Vertical				
Test Mode:	BLE Mode TX 2402 MHz		A Alban			
Remark:	No report for the emission w prescribed limit.	nich more than 10 dB b	elow the			

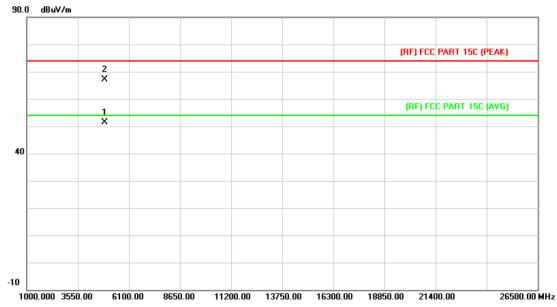


N	lo. N	Иk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1			4803.547	46.88	13.44	60.32	74.00	-13.68	peak
2	*		4803.991	35.50	13.44	48.94	54.00	-5.06	AVG



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EUT:	Sport BP Watch	Model:	V06			
Temperature:	25℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7V	OC 3.7V				
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	BLE Mode TX 2442 MHz		A Alban			
Remark:	No report for the emission who prescribed limit.	nich more than 10 dB b	elow the			

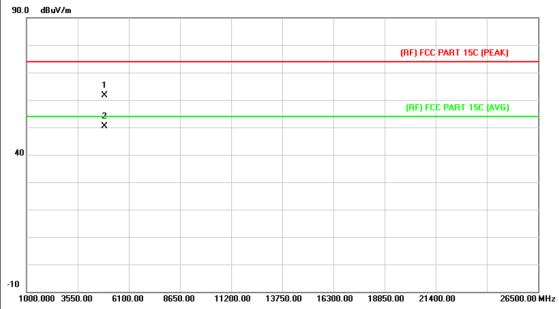


No	o. Mk	. Freq.			Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4883.675	37.45	13.92	51.37	54.00	-2.63	AVG
2		4883.952	53.33	13.92	67.25	74.00	-6.75	peak



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EUT:	Sport BP Watch	Model:	V06				
Temperature:	25℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V	C 3.7V					
Ant. Pol.	Vertical	Vertical					
Test Mode:	BLE Mode TX 2442 MHz		Jan Brand				
Remark:	No report for the emission value prescribed limit.	which more than 10 dB	below the				

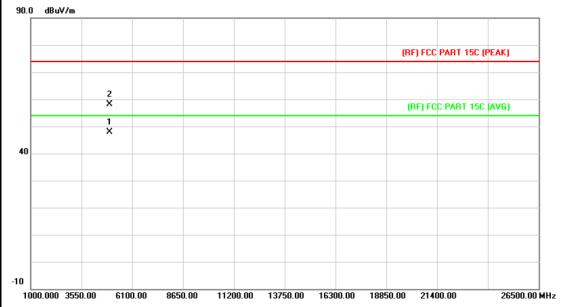


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4884.257	47.81	13.92	61.73	74.00	-12.27	peak
2	*	4885.755	36.34	13.93	50.27	54.00	-3.73	AVG



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EUT:	Sport BP Watch	Model:	V06				
Temperature:	25℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V	OC 3.7V					
Ant. Pol.	Horizontal						
Test Mode:	BLE Mode TX 2480 MHz	WIID S	2 100				
Remark:	No report for the emission v	No report for the emission which more than 10 dB below the					
	prescribed limit.						

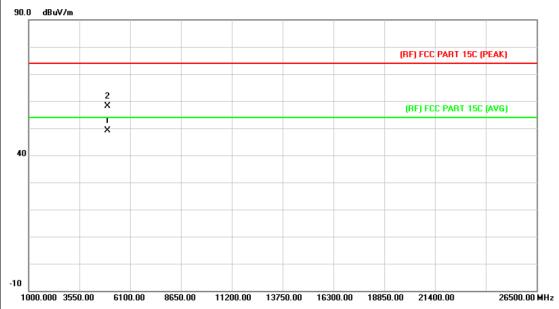


1	No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4959.910	33.45	14.36	47.81	54.00	-6.19	AVG
2			4960.177	43.82	14.36	58.18	74.00	-15.82	peak



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EUT:	Sport BP Watch	Model:	V06				
Temperature:	25℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V	OC 3.7V					
Ant. Pol.	Vertical	Vertical					
Test Mode:	BLE Mode TX 2480 MHz		S Aller				
Remark:	: No report for the emission which more than 10 dB below the						
	prescribed limit.						



-	No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4960.030	34.80	14.36	49.16	54.00	-4.84	AVG
2			4960.090	43.68	14.36	58.04	74.00	-15.96	peak



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6. Restricted Bands Requirement

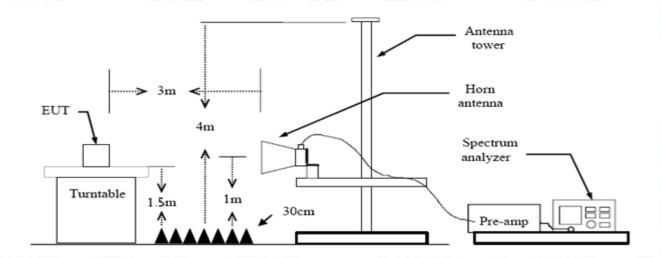
6.1 Test Standard and Limit

6.1.1 Test Standard FCC Part 15.247(d) FCC Part 15.205

6.1.2 Test Limit

Restricted Frequency	Distance Meters(at 3m)				
Band (MHz)	Peak (dBuV/m)	Average (dBuV/m)			
2310 ~2390	74	54			
2483.5 ~2500	74	54			

6.2 Test Setup



6.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector



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mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (8) For the actual test configuration, please see the test setup photo.

6.4 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

6.5 Test Data

Remark: During testing above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

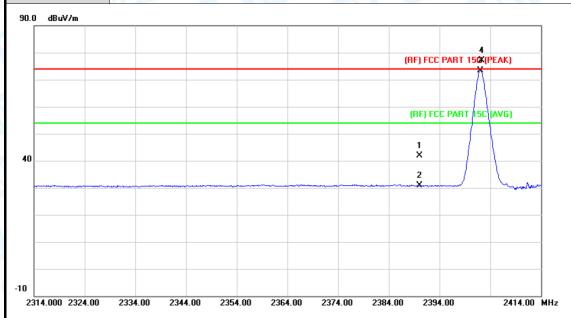
Test data please refer the following pages.



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(1) Radiation Test

EUT:	Sport BP Watch	Model:	V06		
Temperature:	25℃	Relative Humidity:	55%		
Test Voltage:	DC 3.7V				
Ant. Pol.	Horizontal	WW PR	A VIVE		
Test Mode:	BLE Mode TX 2402 MHz				
Remark:	N/A				



No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	41.09	0.77	41.86	74.00	-32.14	peak
2		2390.000	30.12	0.77	30.89	54.00	-23.11	AVG
3	*	2402.000	72.60	0.82	73.42	Fundamental	Frequency	AVG
4	Χ	2402.300	76.30	0.82	77.12	Fundamental	Frequency	peak



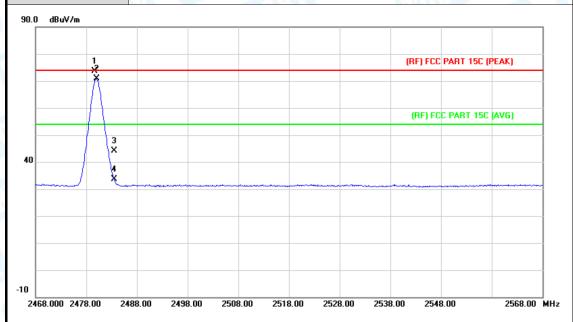
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EUT	T: Sport BP Watch			Model:		V06			
Ten	nperati	ıre:	25℃	Carry!		Relative H	lumidity:	55%	MAP
es	t Volta	ge:	DC 3.	7V		7 BB	(Fil	The second	
۱nt	. Pol.		Vertica	al	and		a v		
Гes	t Mode):	BLE M	ode TX 240	2 MHz	The state of		S 111	Medical
Rer	nark:		N/A	MAN				30	
90.0) dBuV/n	ı							
							(RF) FC(PART 15C (REAK	9
							(RF) F	CC PART 15C (AVE	i)
40							1 X		
							2 X		han
10									
23	312.000 23	22.00	2332.00	2342.00 2352	2.00 2362.0	0 2372.00	2382.00 239	2.00 2	2412.00 MI
1	No. M	с. F	req.	Reading Level	Correct Factor		e- Limit	Over	
		ı	MHz	dBu∀	dB/m	dBuV/m	dBuV/n	n dB	Detecto
_		239	0.000	42.46	0.77	43.23	74.00	-30.77	peal
1		239	0.000	30.09	0.77	30.86	54.00	-23.14	AVG
2				74.99	0.82	75.81	Fundament	al Frequency	peal
	X	240	1.800	74.55					



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EUT:	Sport BP Watch	Model:	V06			
Temperature:	25℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7V		1133			
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	BLE Mode TX 2480 MHz					
Remark:	N/A		13			

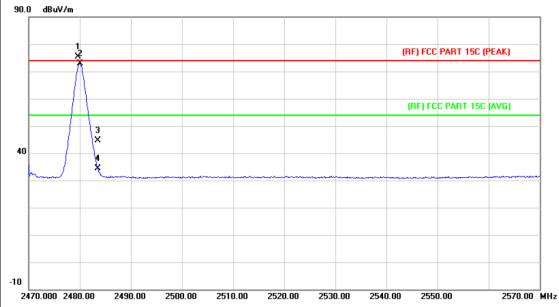


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2479.700	72.50	1.15	73.65	Fundamenta	l Frequency	peak
2	*	2480.000	69.73	1.15	70.88	Fundamental	l Frequency	AVG
3		2483.500	43.02	1.17	44.19	74.00	-29.81	peak
4		2483.500	32.36	1.17	33.53	54.00	-20.47	AVG



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EUT:	Sport BP Watch	Model:	V06
Temperature	25℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	BLE Mode TX 2480 MHz	MILOS	
Remark:	N/A		



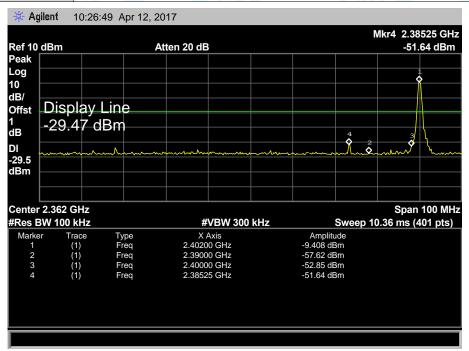
No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	- Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	X	2479.700	74.31	1.15	75.46	Fundamental F	Frequency	peak
2	*	2480.000	71.69	1.15	72.84	Fundamental F	Frequency	AVG
3		2483.500	43.48	1.17	44.65	74.00	-29.35	peak
4		2483.500	33.27	1.17	34.44	54.00	-19.56	AVG

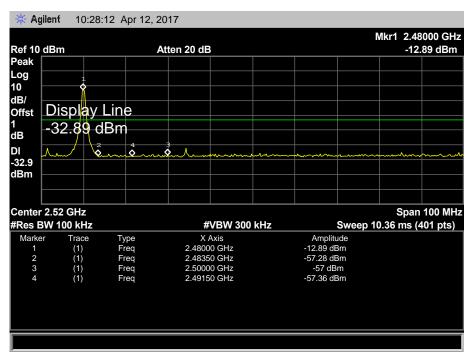


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(2) Conducted Test

EUT:	Sport BP Watch	Model:	V06		
Temperature:	25℃	Relative Humidity:	55%		
Test Voltage:	DC 3.7V				
Test Mode:	BLE Mode TX 2402MHz / BLE Mode TX 2480MHz				
Remark:	The EUT is programed in continuously transmitting mode				







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7. Bandwidth Test

7.1 Test Standard and Limit

7.1.1 Test Standard FCC Part 15.247 (a)(2)

7.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-247					
Test Item	Limit	Frequency Range(MHz)			
Bandwidth	>=500 KHz (6dB bandwidth)	2400~2483.5			

7.2 Test Setup



7.3 Test Procedure

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) The bandwidth is measured at an amplitude level reduced 6dB from the reference level. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst –case (i.e the widest) bandwidth.
- (3)Measure the channel separation the spectrum analyzer was set to Resolution Bandwidth:100 kHz, and Video Bandwidth:300 kHz, Detector: Peak, Sweep Time set auto.

7.4 EUT Operating Condition

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



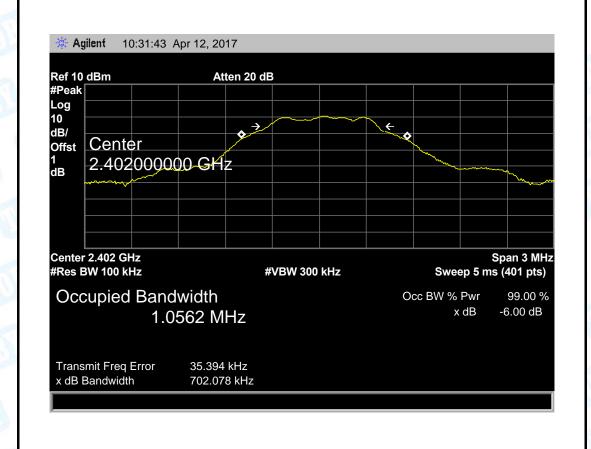
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7.5 Test Data

EUT:	Sport BP Watch	Model:	V06		
Temperature:	25℃	Relative Humidity:	55%		
Test Voltage:	DC 3.7V				
Test Mode:	BLE TX Mode				
Channel frequen	cy 6dB Bandwidth	99% Bandwidth	Limit		
(MHz)	(kHz)	(kHz)	(kHz)		
2402	702.078	1056.20			
2442	718.492	1052.20	>=500		
2480 710.644		1218.90			
DI E Manda					

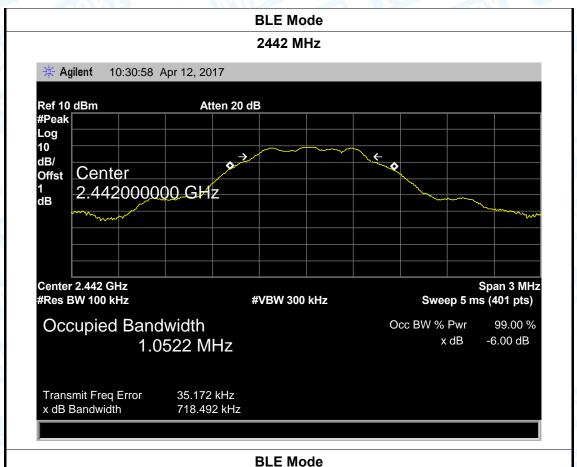
BLE Mode

2402 MHz





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2480 MHz * Agilent 10:30:12 Apr 12, 2017 Ref 10 dBm Atten 20 dB #Peak Log 10 dB/ Center Offst 1 dB 2.480000000 GHz Center 2.48 GHz Span 3 MHz #Res BW 100 kHz Sweep 5 ms (401 pts) **#VBW 300 kHz** Occupied Bandwidth Occ BW % Pwr 99.00 % -6.00 dB x dB 1.2189 MHz Transmit Freq Error 39.936 kHz x dB Bandwidth 710.644 kHz



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8. Peak Output Power Test

8.1 Test Standard and Limit

8.1.1 Test Standard FCC Part 15.247 (b)(3)

8.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-247					
Test Item	Limit	Frequency Range(MHz)			
Peak Output Power	1 Watt or 30 dBm	2400~2483.5			

8.2 Test Setup



8.3 Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement is according to section 9.1.1 of KDB 558074 D01 DTS Meas Guidance v04.

- (1) Set the RBW≥DTS Bandwidth
- (2) Set VBW≥3*RBW
- (3) Set Span≥3*RBW
- (4) Sweep time=auto
- (5) Detector= peak
- (6) Trace mode= maxhold.
- (7) Allow trace to fully stabilize, and then use peak marker function to determine the peak amplitude level.

8.4 EUT Operating Condition

The EUT was set to continuously transmitting in the max power during the test.

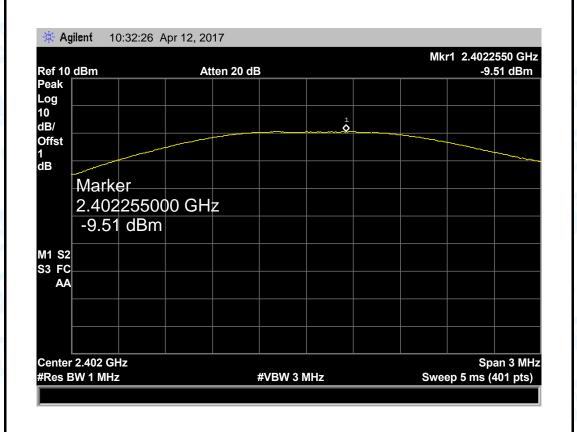


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8.5 Test Data

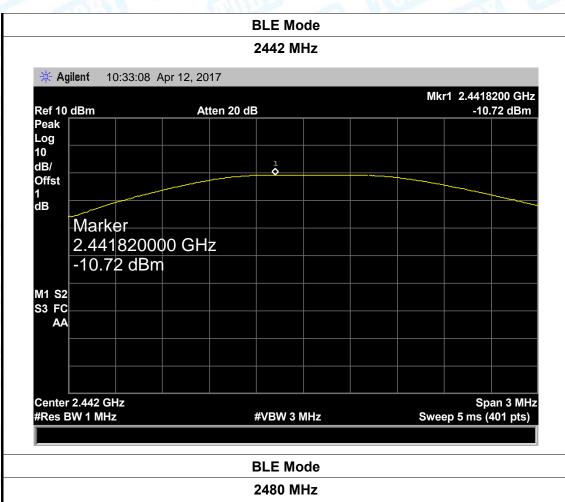
EUT:	Sport BP	Watch	Model:	V06		
Temperature:	25 ℃	7 130	Relative Humidity:	55%		
Test Voltage:	DC 3.7V	בניוה	THE	a 13		
Test Mode:	BLE TX M	lode		23		
Channel frequen	cy (MHz)	Test Result (dBm)		_imit (dBm)		
2402		-9.51				
2442		-10.72		30		
2480		-13.08				
BLE Mode						

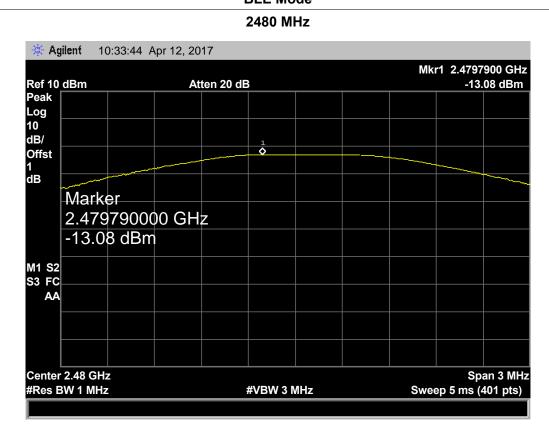
2402 MHz





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9. Power Spectral Density Test

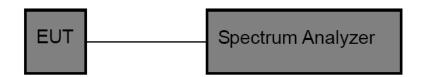
9.1 Test Standard and Limit

9.1.1 Test Standard FCC Part 15.247 (e)

9.1.2 Test Limit

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

9.2 Test Setup



9.3 Test Procedure

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

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) Set analyser center frequency to DTS channel center frequenyc.
- (3) Set the span to 1.5 times the DTS bandwidth.
- (4) Set the RBW to: 3 kHz(5) Set the VBW to: 10 kHz
- (6) Detector: peak(7) Sweep time: auto
- (8) Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

9.4 EUT Operating Condition

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



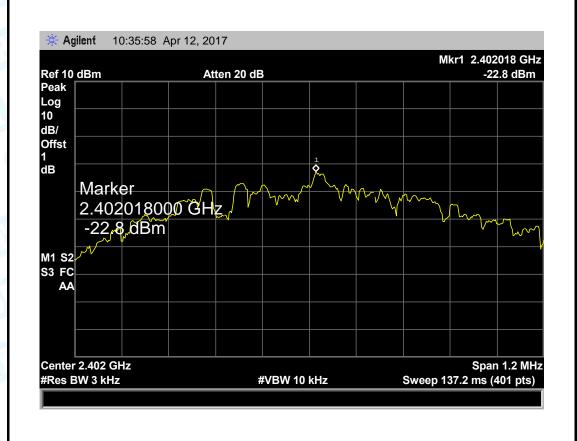
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9.5 Test Data

EUT:	Sport BP Watch		Model:		V06	
Temperature:	25℃		Relative Humidity:		55%	
Test Voltage:	DC 3.7V					
Test Mode:	BLE TX Mode					
Channel Frequency		Power Density		Lin	Limit	
(MHz)		(dBm)		(dBm)		Result
2402		-2	2.80	8		PASS
2442		-2	2.97			
2480		-26.67				
						•

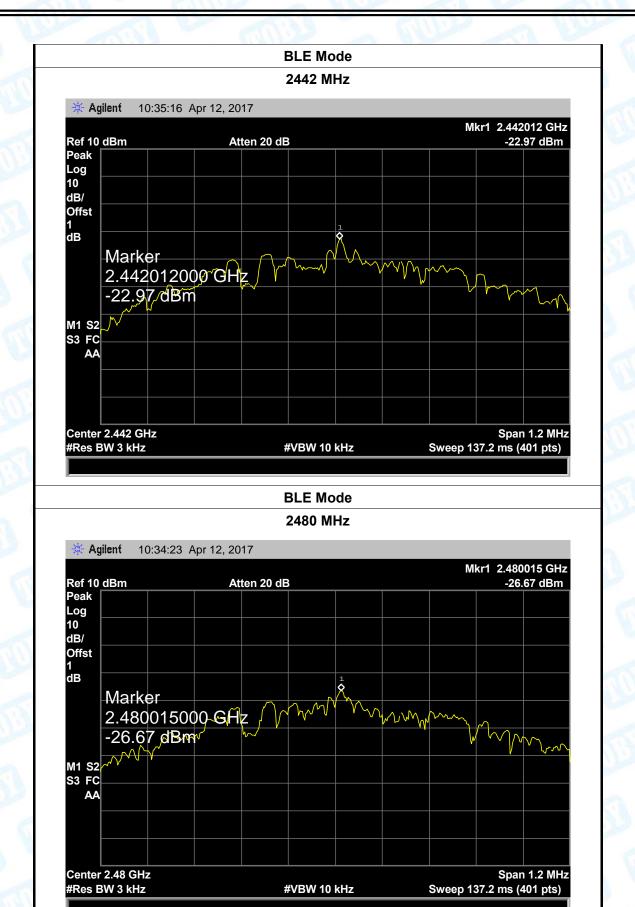
BLE Mode

2402 MHz





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10. Antenna Requirement

10.1 Standard Requirement

10.1.1 Standard FCC Part 15.203

10.1.2 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 shall be considered sufficient to comply with the provisions of this Section. 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.

10.2 Antenna Connected Construction

The directional gains of the antenna used for transmitting is 0.5dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

10.3 Result

The EUT antenna is a FPC Antenna. It complies with the standard requirement.

Antenna Type				
✓ Permanent attached antenna				
□ Unique connector antenna	W.			
☐ Professional installation antenna				

----END OF REPORT-----