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APPLICATION CERTIFICATION FCC Part 15C On Behalf of SHENZHEN QI SHENGLONG INDUSTRIALIST CO., LTD.

Fitness Watch Model No.: HD-286, NSW-13

FCC ID: Y56QSLHD286

Prepared for : SHENZHEN QI SHENGLONG INDUSTRIALIST

CO., LTD.

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Report No. : ATE20161495
Date of Test : July 27-28, 2016
Date of Report : July 29, 2016



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Test Report Certification

Applicant : SHENZHEN QI SHENGLONG INDUSTRIALIST CO., LTD.

Manufacturer : DONGGUAN FEIHAO INDUSTRIALIST CO., LTD

EUT Description: Fitness Watch

(A) MODEL NO.: HD-286, NSW-13

(B) TRADE NAME.: NAXA

(C) POWER SUPPLY: DC 3.7V & DC 5V (Power by USB Port)

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.247: 2015 ANSI C63.10: 2013

The EUT was tested according to DTS test procedure of KDB558074 D01 DTS Meas Guidance v03r03 June 2015 for compliance to FCC 47CFR 15.247 requirements

The device described above is tested by ACCURATE TECHNOLOGY CO. LTD to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section 15.247 limits. The measurement results are contained in this test report and ACCURATE TECHNOLOGY CO. LTD is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of ACCURATE TECHNOLOGY CO. LTD.

Date of Test:	July 27-28, 2016
Date of Report :	July 29, 2016
Prepared by :	BobWarg
	(Bob Wang, Engineer)
Approved & Authorized Signer :	Lemil
	(Sean Liu, Manager)



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1. GENERAL INFORMATION

1.1.Description of Device (EUT)

EUT : Fitness Watch Model Number : HD-286, NSW-13

(Note: We hereby state that these models are identical in interior structure, electrical circuits and components, and

just model names are different for the marketing

requirement. Therefore only model HD-286 is tested for

EMC tests.)

Trade Mark : NAXA

Bluetooth version : Bluetooth V4.0 LE Frequency Range : 2402MHz-2480MHz

Number of Channels : 40 Antenna Gain : 0dBi

Antenna type : PCB Antenna

Power Supply : DC 3.7V & DC 5V (Power by USB Port)

Modulation mode : GFSK

Applicant : SHENZHEN QI SHENGLONG INDUSTRIALIST CO.,

LTD.

Address : 5F., Blk 6A, Jing Nan Industry, Bai Ge long, Buji,

ShenZhen 518112, China

Manufacturer : DONGGUAN FEIHAO INDUSTRIALIST CO., LTD

Address : No.8, Fengyi Road, Dakan Village, Huangjiang,

DongGuan, China

Date of sample received: July 20, 2016
Date of Test: July 27-28, 2016



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1.2. Carrier Frequency of Channels

Channel	Frequeeny (MHz)	Channel	Frequeeny (MHz)	Channel	Frequeeny (MHz)	Channe 1	Frequeeny (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

1.3. Special Accessory and Auxiliary Equipment

Notebook PC : Manufacturer: LENOVO

M/N: 4290-RT8

S/N: R9-FW93G 11/08



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1.4.Description of Test Facility

EMC Lab : Accredited by TUV Rheinland Shenzhen

Listed by FCC

The Registration Number is 752051

Listed by Industry Canada

The Registration Number is 5077A-2

Accredited by China National Accreditation Committee

for Laboratories

The Certificate Registration Number is L3193

Name of Firm : ACCURATE TECHNOLOGY CO. LTD

Site Location : F1, Bldg. A, Changyuan New Material Port, Keyuan Rd.

Science & Industry Park, Nanshan, Shenzhen, Guangdong

P.R. China

1.5.Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

Radiated emission expanded uncertainty = 3.08dB, k=2

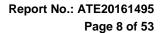
(9kHz-30MHz)

Radiated emission expanded uncertainty = 4.42dB, k=2

(30MHz-1000MHz)

Radiated emission expanded uncertainty = 4.06dB, k=2

(Above 1GHz)

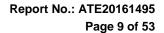




2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Туре	S/N	Calibrated dates	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 9, 2016	Jan. 09, 2017
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 9, 2016	Jan. 09, 2017
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 9, 2016	Jan. 09, 2017
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 9, 2016	Jan. 09, 2017
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 14, 2016	Jan. 13, 2017
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 14, 2016	Jan. 13, 2017
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 14, 2016	Jan. 12, 2017
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 14, 2016	Jan. 13, 2017
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 9, 2016	Jan. 09, 2017
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 9, 2016	Jan. 09, 2017
Highpass Filter	Wainwright Instruments	WHKX3.6/18 G-10SS	N/A	Jan. 9, 2016	Jan. 09, 2017
Band Reject Filter	Wainwright Instruments	WRCG2400/2 485-2375/2510 -60/11SS	N/A	Jan. 9, 2016	Jan. 09, 2017





3. OPERATION OF EUT DURING TESTING

3.1. Operating Mode

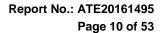
The mode is used: **BLE Transmitting mode**

Low Channel: 2402MHz Middle Channel: 2440MHz High Channel: 2480MHz

3.2.Configuration and peripherals

EUT

Figure 1 Setup: Transmitting mode





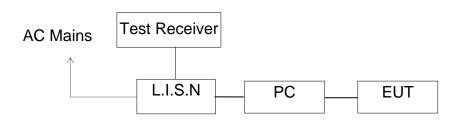
4. TEST PROCEDURES AND RESULTS

FCC Rules	Description of Test	Result
Section 15.247(a)(2)	6dB Bandwidth Test	Compliant
Section 15.247(e)	Power Spectral Density Test	Compliant
Section 15.247(b)(3)	Maximum Peak Output Power Test	Compliant
Section 15.247(d)	Band Edge Compliance Test	Compliant
Section 15.247(d) Section 15.209	Radiated Spurious Emission Test	Compliant
Section 15.247(d)	Conducted Spurious Emission Test	Compliant
Section 15.207	AC Power Line Conducted Emission Test	Compliant
Section 15.203	Antenna Requirement	Compliant



5. POWER LINE CONDUCTED MEASUREMENT

5.1.Block Diagram of Test Setup



(EUT: Fitness Watch)

5.2. Power Line Conducted Emission Measurement Limits

Frequency	Limit dB(μV)				
(MHz)	Quasi-peak Level	Average Level			
0.15 - 0.50	66.0 – 56.0 *	56.0 – 46.0 *			
0.50 - 5.00	56.0	46.0			
5.00 - 30.00	60.0	50.0			

NOTE1: The lower limit shall apply at the transition frequencies.

NOTE2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

5.3. Configuration of EUT on Measurement

The following equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner, which tends to maximize its emission characteristics in a normal application.

5.4. Operating Condition of EUT

- 5.4.1. Setup the EUT and simulator as shown as Section 5.1.
- 5.4.2. Turn on the power of all equipment.
- 5.4.3.Let the EUT work in test mode and measure it.



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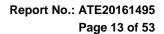


5.5.Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2014 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.



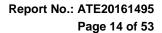


5.6. Power Line Conducted Emission Measurement Results

PASS.

The frequency range from 150kHz to 30MHz is checked.

Test mode : Ch AC 120V; 60Hz	-											
MEASUREMENT	RESULT	: "FH-0	727-01	_fin"								
2016-7-27 8:4: Frequency MHz	_		Limit dBµV	_	Detector	Line	PE					
0.192000 3.651500 20.189000	61.90 42.10 37.30	10.6 11.7 12.0	64 56 60	2.0 13.9 22.7	QP	N N N	GND GND GND					
MEASUREMENT	RESULT	: "FH-0	727-01	_fin2"								
2016-7-27 8:4 Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line	PE					
	46.40 33.30 31.90	11.7	54 46 50	12.7	AV	N N N	GND GND GND					
MEASUREMENT	RESULT	: "FH-0	727-02	_fin"								
2016-7-27 8:4	-											
Frequency MHz	Level dBµV		Limit dBµV		Detector	Line	PE					
0.194000 3.674000 5.829500	61.80 38.10 34.50	10.6 11.7 11.8	64 56 60	2.1 17.9 25.5		L1 L1 L1	GND					
MEASUREMENT	MEASUREMENT RESULT: "FH-0727-02_fin2"											
2016-7-27 8:4 Frequency		Trangd	T.imi+	Margin	Detector	Line	PE					
		dB			Detectol	птие	EB					
0.198000 3.588500 19.982000	45.70 28.60 27.80	10.6 11.7 11.9	54 46 50			L1 L1 L1	GND GND GND					

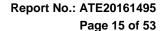




Test mode : Ch AC 240V; 60Hz							
MEASUREMENT	RESULT	: "MY-0	716-02	_fin"			
2016-7-27 8: Frequency MHz			Limit dBµV		Detector	Line	PE
0.150000 2.480000 28.195000	55.70 35.80 30.10	10.5 11.0 11.5	66 56 60	10.3 20.2 29.9	QP QP QP	L1 L1 L1	GND
MEASUREMENT	RESULT	: " M Y-0	716-02	_fin2"			
2016-7-27 8:							
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
	33.90 31.20 28.60		47 46 50	12.6 14.8 21.4		L1 L1 L1	GND
MEASUREMENT	RESULT	: "MY-0	716-01	_fin"			
2016-7-27 8:							
Frequency MHz	Level dBµV			Margin dB	Detector	Line	PE
0.150000 2.790000 29.380000	58.10 38.30 30.80	10.5 11.0 11.5	66 56 60	7.9 17.7 29.2	QP	N N N	GND GND GND
MEASUREMENT	RESULT	: " MY -0	716-01	_fin2"			
2016-7-27 8:		 1	÷ · · · ·		5	. .	
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.165000 2.800000 23.995000	38.40 29.50 29.60			16.8 16.5 20.4		N N N	GND GND GND

Emissions attenuated more than 20 dB below the permissible value are not reported.

The spectral diagrams are attached as below.





CONDUCTED EMISSION STANDARD FCC PART 15B

Fitness Watch M/N:HD-286 EUT:

Manufacturer: FEIHAO Operating Condition: CHARGING

Test Site: 2#Shielding Room

DING Operator:

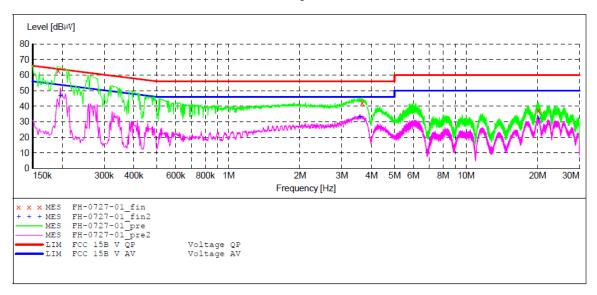
Test Specification: N 120V/60Hz

Report No.:ATE20161495 2016-7-27 / 8:40:52 Comment: Start of Test:

SCAN TABLE: "V 150K-30MHz fin"
Short Description: SUB_STD_VTERM2 1.70

Step Start Stop Detector Meas. IF Transducer Frequency Frequency Width 150.0 kHz 30.0 MHz 4.5 kH Time Bandw. 4.5 kHz QuasiPeak 1.0 s 9 kHz LISN (ESH3-Z5)

Average

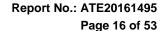


MEASUREMENT RESULT: "FH-0727-01 fin"

2						
Level	Transd	Limit	Margin	Detector	Line	PE
dBµV	dB	dΒμV	dB			
61.90	10.6	64	2.0	QP	N	GND
42.10	11.7	56	13.9	QP	N	GND
37.30	12.0	60	22.7	QP	N	GND
	Level dBµV 61.90 42.10	Level Transd dB	Level Transd Limit dBμV dB dBμV 61.90 10.6 64 42.10 11.7 56	Level dBμV Transd dB dBμV Limit dBμV Margin dB 61.90 10.6 64 2.0 42.10 11.7 56 13.9	Level dBμV Transd dB dBμV Limit dBμV Margin dB Detector dB 61.90 10.6 64 2.0 QP 42.10 11.7 56 13.9 QP	Level dBμV Transd dB dBμV Limit dBμV Margin dB Detector Line dBμV 61.90 10.6 64 2.0 QP N 42.10 11.7 56 13.9 QP N

MEASUREMENT RESULT: "FH-0727-01 fin2"

2016-7-27 8:42 Frequency MHz				Margin dB	Detector	Line	PE
0.196000	46.40	10.6	54	7.4	AV	N	GND
3.575000	33.30	11.7	46	12.7	AV	N	GND
20.171000	31.90	12.0	50	18.1	AV	N	GND





CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Fitness Watch M/N:HD-286

Manufacturer: FETHAO Operating Condition: CHARGING

Test Site: 2#Shielding Room

Operator: DING

Test Specification: L 120V/60Hz

Comment: Report No.:ATE20161495 2016-7-27 / 8:43:29 Start of Test:

SCAN TABLE: "V 150K-30MHz fin" Short Description: _SUB S

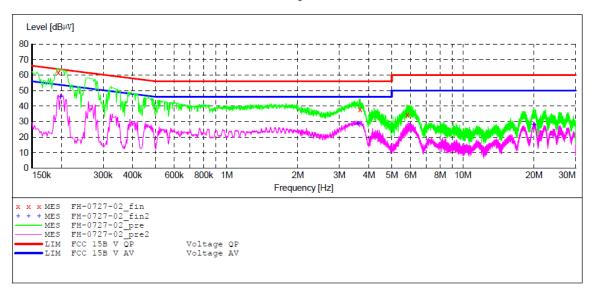
_SUB_STD_VTERM2 1.70

Detector Meas. Stop Start Step IF Transducer

Bandw. Time

Frequency Frequency Width 150.0 kHz 30.0 MHz 4.5 kH 4.5 kHz QuasiPeak 1.0 s 9 kHz LISN (ESH3-Z5)

Average

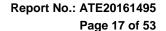


MEASUREMENT RESULT: "FH-0727-02 fin"

20	016-7-27 8:4	4						
	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dΒμV	dB	dΒμV	dB			
	0.194000	61.80	10.6	64	2.1	QP	L1	GND
	3.674000	38.10	11.7	56	17.9	QP	L1	GND
	5.829500	34.50	11.8	60	25.5	QP	L1	GND

MEASUREMENT RESULT: "FH-0727-02 fin2"

2016-7-27 8:44 Frequency MHz		Limit dBµV	Margin dB	Detector	Line	PE
0.198000 3.588500 19.982000	28.60	 46	17.4	AV	L1 L1 L1	GND GND





CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Fitness Watch M/N:HD-286

Manufacturer: FEIHAO Operating Condition: CHARGING

Test Site: 1#Shielding Room

Operator: DING

Test Specification: L 240V/60Hz

Report NO.:ATE20161495 2016-7-27 / 8:55:22AM Comment: Start of Test:

SCAN TABLE: "V 9K-30MHz fin"
Short Description: SU _SUB_STD_VTERM2 1.70

Step Start Detector Meas. IF Stop Transducer

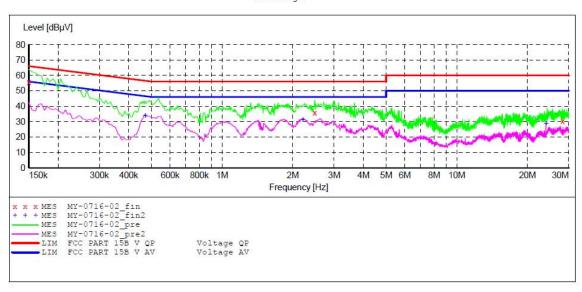
Frequency Frequency Width Time Bandw.

150.0 kHz 100.0 Hz QuasiPeak 1.0 s 9.0 kHz 200 Hz NSLK8126 2008

Average

150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008

Average

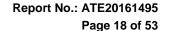


MEASUREMENT RESULT: "MY-0716-02 fin"

2016-7-27 8:	58AM						
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	55.70	10.5	66	10.3	QP	L1	GND
2.480000	35.80	11.0	56	20.2	QP	L1	GND
28.195000	30.10	11.5	60	29.9	QP	L1	GND

MEASUREMENT RESULT: "MY-0716-02 fin2"

2016-7-27 8:	58AM						
Frequency MHz	Level dBµV		Limit dBµV	Margin dB	Detector	Line	PE
0.470000	33.90	10.7	47	12.6	AV	L1	GND
2.210000	31.20	11.0	46	14.8	AV	L1	GND
23.995000	28.60	11.5	50	21.4	AV	L1	GND





CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Fitness Watch M/N:HD-286

Manufacturer: FEIHAO Operating Condition: CHARGING

Test Site: 1#Shielding Room

Operator: DING

Test Specification: N 240V/60Hz

Comment: Report NO.:ATE20161495 Start of Test: 2016-7-27 / 8:49:05AM

SCAN TABLE: "V 9K-30MHz fin"
Short Description: _SU _SUB_STD_VTERM2 1.70

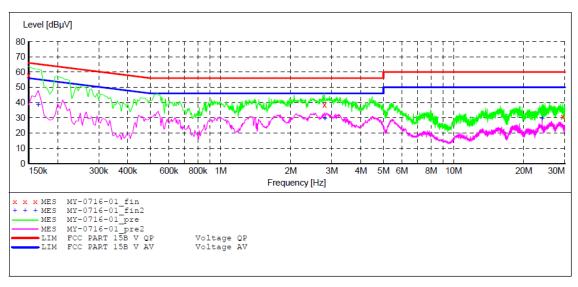
Stop Start Step Detector Meas. IF Transducer

Bandw. Frequency Frequency Width 9.0 kHz 150.0 kHz 100.0 Hz Time QuasiPeak 1.0 s 200 Hz NSLK8126 2008

Average

150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008

Average



MEASUREMENT RESULT: "MY-0716-01 fin"

2016-7-27 8: Frequency MHz		Limit dBµV	Margin dB	Detector	Line	PE
0.150000 2.790000 29.380000	38.30	56	7.9 17.7 29.2	QР	N N N	GND GND GND

MEASUREMENT RESULT: "MY-0716-01_fin2"

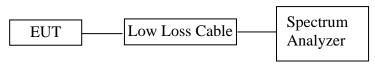
2016-7-27 8:	52AM						
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dΒμV	dB	dΒμV	dB			
0.165000	38.40	10.5	55	16.8	AV	N	$_{\rm GND}$
2.800000	29.50	11.0	46	16.5	AV	N	GND
23.995000	29.60	11.5	50	20.4	AV	N	GND



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6. 6DB BANDWIDTH MEASUREMENT

6.1.Block Diagram of Test Setup



(EUT: Fitness Watch)

6.2. The Requirement For Section 15.247(a)(2)

Section 15.247(a)(2): Systems using digital modulation techniques may operate in the 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

6.3.EUT Configuration on Measurement

The equipment is installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

6.4. Operating Condition of EUT

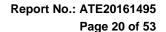
- 6.4.1. Setup the EUT and simulator as shown as Section 5.1.
- 6.4.2. Turn on the power of all equipment.
- 6.4.3.Let the EUT work in TX modes measure it. The transmit frequency are 2402-2480 MHz. We select 2402MHz, 2440MHz, and 2480MHz TX frequency to transmit.

6.5. Test Procedure

- 1. Set resolution bandwidth (RBW) = 100 kHz.
- 2. Set the video bandwidth (VBW) $\geq 3 \times RBW$.
- 3. Detector = Peak.
- 4. Trace mode = max hold.
- 5. Sweep = auto couple.
- 6. Allow the trace to stabilize.
- 7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

20dB bandwidth

1. Set resolution bandwidth (RBW) = 1%-5% OBW.





2. Set the video bandwidth (VBW) $\geq 3 \times RBW$.

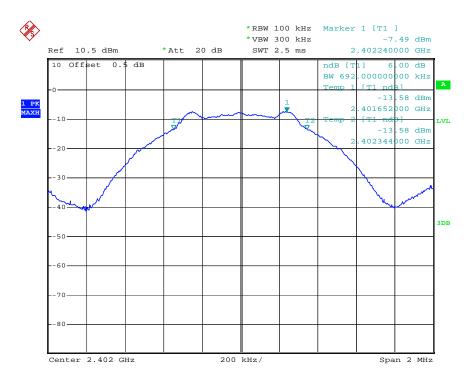
- 3. Detector = Peak.
- 4. Trace mode = max hold.
- 5. Sweep = auto couple.
- 6. Allow the trace to stabilize.
- 7. Once the reference level is established, the equipment is conditioned with typical modulating signals to produce the worst-case (i.e., the widest) bandwidth. Unless otherwise specified for an unlicensed wireless device, measure the bandwidth at the -20 dB levels with respect to the reference level

6.6.Test Result

Channel	Frequency (MHz)	6 dB Bandwith (MHz)	Minimum Limit(MHz)	PASS/FAIL
0	2402	0.692	0.5	PASS
19	2440	0.676	0.5	PASS
39	2480	0.672	0.5	PASS

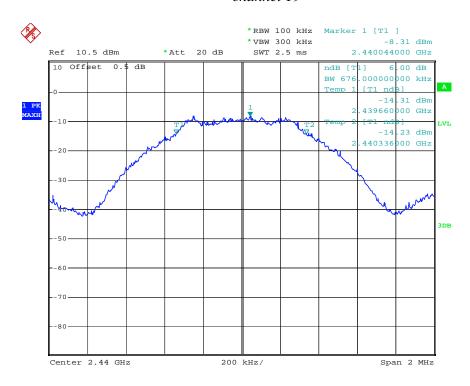
The spectrum analyzer plots are attached as below.

channel 0

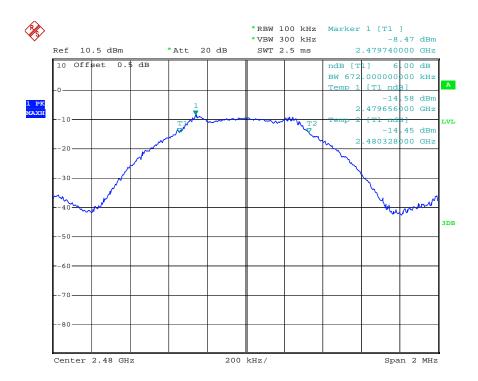




channel 19



channel 39

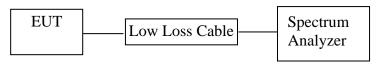




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7. MAXIMUM PEAK OUTPUT POWER

7.1.Block Diagram of Test Setup



(EUT: Fitness Watch)

7.2. The Requirement For Section 15.247(b)(3)

Section 15.247(b)(3): For systems using digital modulation in the 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz bands: 1 Watt.

7.3.EUT Configuration on Measurement

The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

7.4. Operating Condition of EUT

- 7.4.1. Setup the EUT and simulator as shown as Section 6.1.
- 7.4.2. Turn on the power of all equipment.
- 7.4.3.Let the EUT work in TX modes measure it. The transmit frequency are 2402-2480 MHz. We select 2402MHz, 2440MHz, and 2480MHz TX frequency to transmit.

7.5.Test Procedure

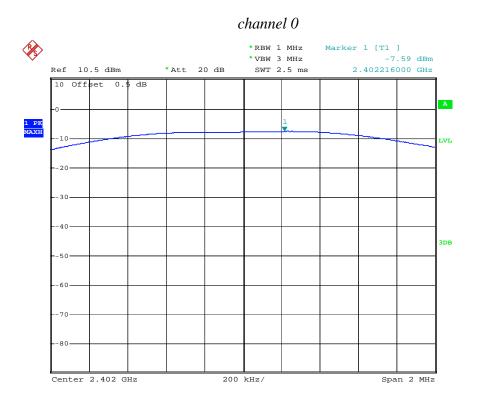
- 7.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.
- 7.5.2.Set RBW of spectrum analyzer to 1 MHz and VBW to 3 MHz.
- 7.5.3.Measurement the maximum peak output power.

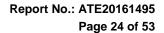


7.6.Test Result

Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Limit (dBm)	Pass / Fail
0	2402	-7.59	30	PASS
19	2440	-7.58	30	PASS
39	2480	-7.63	30	PASS

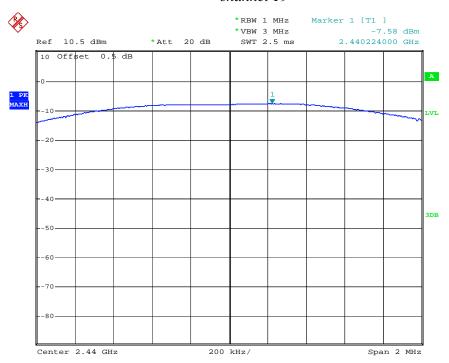
The spectrum analyzer plots are attached as below.



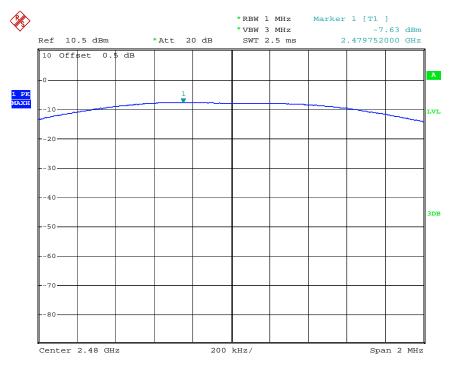


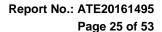


channel 19



channel 39

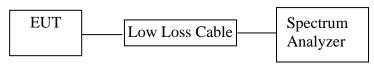






8. POWER SPECTRAL DENSITY MEASUREMENT

8.1.Block Diagram of Test Setup



(EUT: Fitness Watch)

8.2. The Requirement For Section 15.247(e)

Section 15.247(e): For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

8.3.EUT Configuration on Measurement

The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

8.4. Operating Condition of EUT

- 8.4.1. Setup the EUT and simulator as shown as Section 7.1.
- 8.4.2. Turn on the power of all equipment.
- 8.4.3.Let the EUT work in TX modes measure it. The transmit frequency are 2402-2480. We select 2402MHz, 2440MHz, and 2480MHz TX frequency to transmit.



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8.5.Test Procedure

- 8.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.
- 8.5.2.Measurement Procedure PKPSD:
- 8.5.3. This procedure must be used if maximum peak conducted output power was used to demonstrate compliance to the fundamental output power limit, and is optional if the maximum (average) conducted output power was used to demonstrate compliance.
 - 1. Set analyzer center frequency to DTS channel center frequency.
 - 2. Set the span to 1.5 times the DTS channel bandwidth.
 - 3. Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
 - 4. Set the VBW \geq 3 x RBW.
 - 5. Detector = peak.
 - 6. Sweep time = auto couple.
 - 7. Trace mode = max hold.
 - 8. Allow trace to fully stabilize.
 - 9. Use the peak marker function to determine the maximum amplitude level.
 - 10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.
- 8.5.4.Measurement the maximum power spectral density.

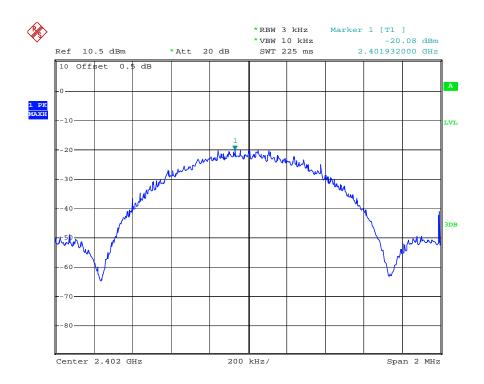


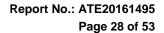
8.6.Test Result

CHANNEL NUMBER	FREQUENCY (MHz)	PSD (dBm/3KHz)	LIMIT (dBm/3KHz)	PASS/FAIL
0	2402	-20.08	8	PASS
19	2440	-20.10	8	PASS
39	2480	-20.37	8	PASS

The spectrum analyzer plots are attached as below.

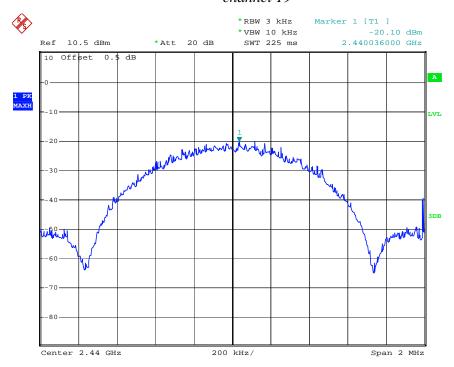
channel 0



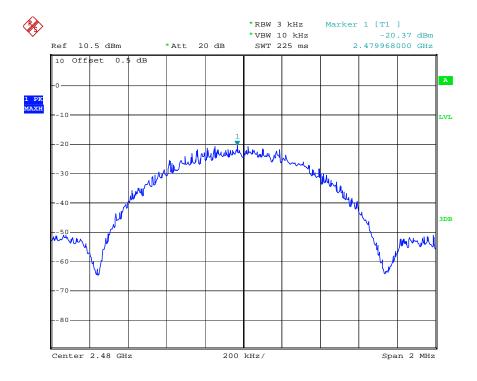


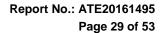


channel 19



channel 39

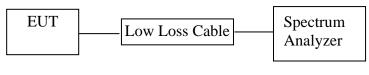






9. BAND EDGE COMPLIANCE TEST

9.1.Block Diagram of Test Setup



(EUT: Fitness Watch)

9.2. The Requirement For Section 15.247(d)

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 a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. 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).

9.3.EUT Configuration on Measurement

The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.



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9.4. Operating Condition of EUT

- 9.4.1. Setup the EUT and simulator as shown as Section 8.1.
- 9.4.2. Turn on the power of all equipment.
- 9.4.3.Let the EUT work in TX modes measure it. The transmit frequency are 2402-2480 MHz. We select 2402MHz, 2480MHz TX frequency to transmit.

9.5. Test Procedure

Conducted Band Edge:

- 9.5.1. The transmitter output was connected to the spectrum analyzer via a low loss cable.
- 9.5.2.Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz.
- 9.5.3. Radiate Band Edge:
- 9.5.4. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
- 9.5.5. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
- 9.5.6.EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
- 9.5.7. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
- 9.5.8.RBW=1MHz, VBW=1MHz
- 9.5.9. The band edges was measured and recorded.

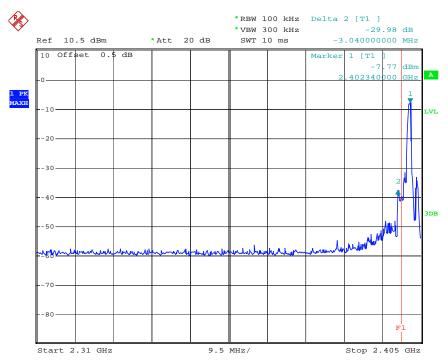
9.6.Test Result

Pass

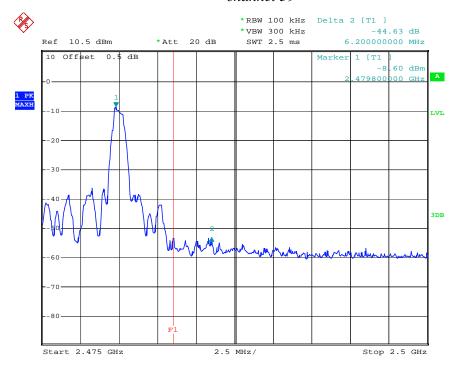
Channel	Frequency	Delta peak to band emission	Limit(dBc)
0	2399.3MHz	29.98	20
39	2486.0MHz	44.63	20



channel 0



channel 39





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Radiated Band Edge Result

Note:

- 1. Emissions attenuated more than 20 dB below the permissible value are not reported.
- 2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
 - Result = Reading + Corrected Factor
- 3. Display the measurement of peak values.

Test Procedure:

The EUT and its simulators are placed on a turntable, which is 1.5 meter high above ground(Above 1GHz). The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bi-log antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the EUT location must be manipulated according to ANSI C63.10:2013 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

Let the EUT work in TX modes then measure it.

We select 2402MHz, 2480MHz TX frequency to transmit(GFSK mode).

During the radiated emission test, the spectrum analyzer was set with the following configurations:

- 1. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for peak measurement with peak detector at frequency above 1GHz.
- 2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average measurement with peak detection at frequency above 1GHz.
- 3.All modes of operation were investigated and the worst-case emissions are reported.





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Polarization: Horizontal
Power Source: DC 5V

Date: 16/07/28/ Time: 10/00/50

Engineer Signature: DING

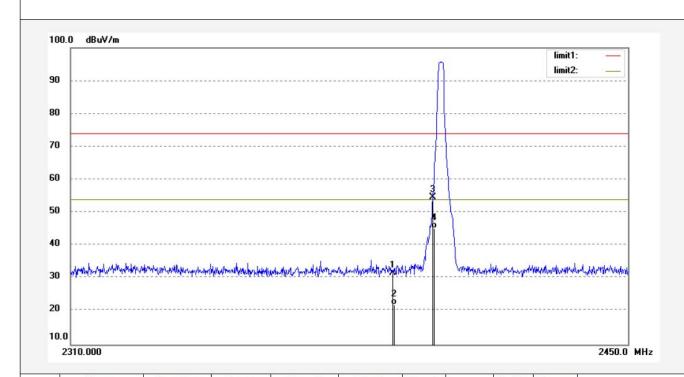
Distance: 3m

Job No.: DING #2060 Standard: FCC PK Test item: Radiation Test Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Fitness Watch Mode: TX 2402M

Model: HD-286
Manufacturer: FEIHAO

Note: Report NO.:ATE20161495



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	39.44	-7.64	31.80	74.00	-42.20	peak		3*	
2	2390.000	29.68	-7.64	22.04	54.00	-31.96	AVG			
3	2400.000	62.19	-7.61	54.58	74.00	-19.42	peak		0.	
4	2400.000	52.79	-7.61	45.18	54.00	-8.82	AVG			





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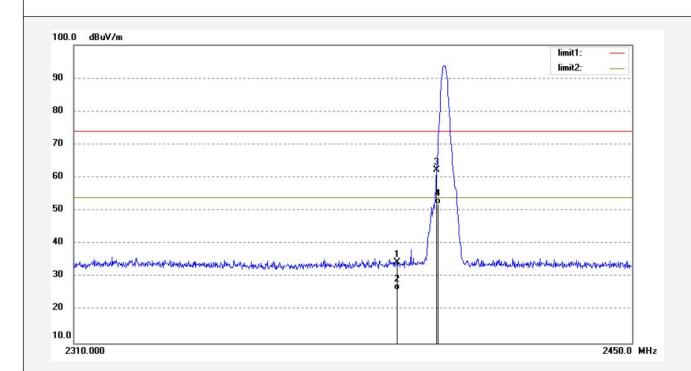
Job No.: DING #2061 Polarization: Horizontal Standard: FCC PK Power Source: DC 5V

Test item: Radiation Test Date: 16/07/28/
Temp.(C)/Hum.(%) 25 C / 55 % Time: 10/02/47

EUT: Fitness Watch Engineer Signature: DING Mode: TX 2402M Distance: 3m Model: HD-286

Note: Report NO.:ATE20161495

Manufacturer: FEIHAO



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	42.13	-7.64	34.49	74.00	-39.51	peak			
2	2390.000	33.68	-7.64	26.04	54.00	-27.96	AVG			
3	2400.000	69.83	-7.61	62.22	74.00	-11.78	peak			
4	2400.000	59.49	-7.61	51.88	54.00	-2.12	AVG			



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Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Fitness Watch
Mode: TX 2480M
Model: HD-286
Manufacturer: FEIHAO

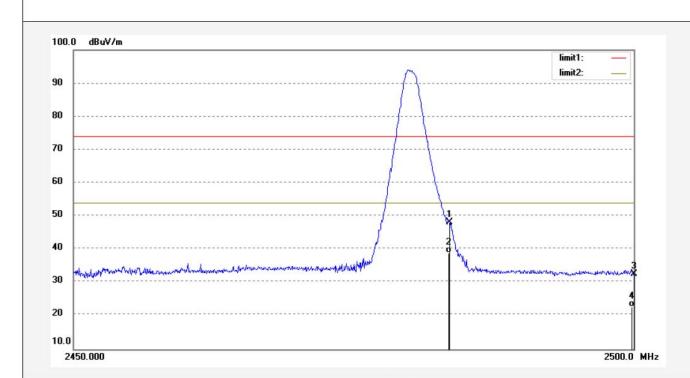
Polarization: Horizontal Power Source: DC 5V

Date: 16/07/28/ Time: 10/06/04

Engineer Signature: DING

Distance: 3m

Note: Report NO.:ATE20161495



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	55.51	-7.37	48.14	74.00	-25.86	peak			
2	2483.500	46.28	-7.37	38.91	54.00	-15.09	AVG			
3	2500.000	39.84	-7.32	32.52	74.00	-41.48	peak			
4	2500.000	29.94	-7.32	22.62	54.00	-31.38	AVG			





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Job No.: DING #2063 Polarization: Vertical Standard: FCC PK Power Source: DC 5V

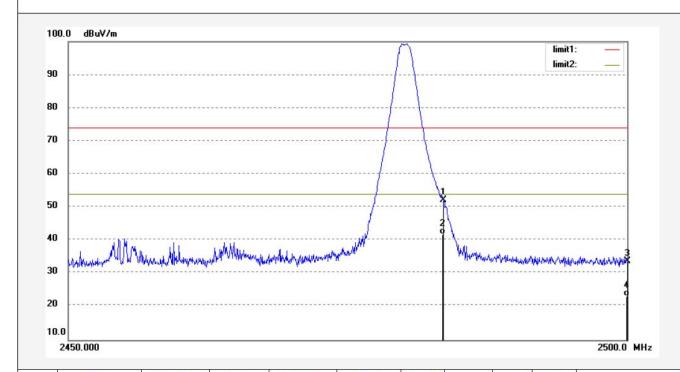
Test item: Radiation Test Date: 16/07/28/
Temp.(C)/Hum.(%) 25 C / 55 %

Time: 10/07/36

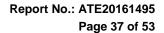
EUT: Fitness Watch Engineer Signature: DING Mode: TX 2480M Distance: 3m

Model: HD-286
Manufacturer: FEIHAO

Note: Report NO.:ATE20161495



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	59.56	-7.37	52.19	74.00	-21.81	peak			
2	2483.500	49.25	-7.37	41.88	54.00	-12.12	AVG			
3	2500.000	41.09	-7.32	33.77	74.00	-40.23	peak			
4	2500.000	30.59	-7.32	23.27	54.00	-30.73	AVG			

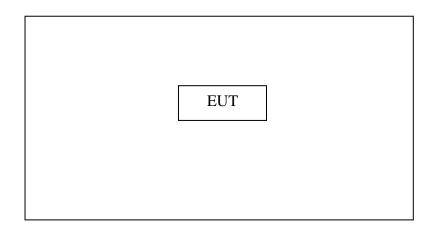




10.RADIATED SPURIOUS EMISSION TEST

10.1.Block Diagram of Test Setup

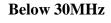
10.1.1.Block diagram of connection between the EUT and peripherals

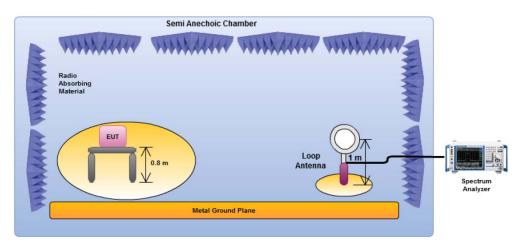


Setup: Transmitting mode

(EUT: Fitness Watch)

10.1.2.Semi-Anechoic Chamber Test Setup Diagram

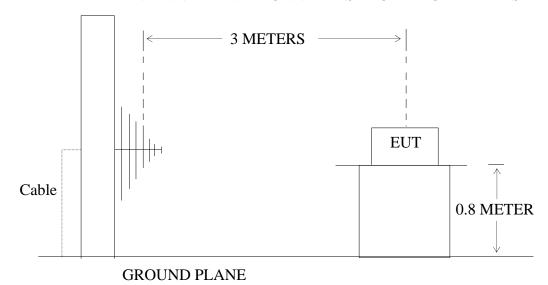






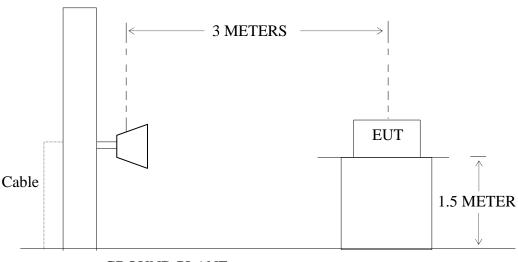
30MHz-1GHz

ANTENNA ELEVATION VARIES FROM 1 TO 4 METERS



Above 1GHz

ANTENNA ELEVATION VARIES FROM 1 TO 4 METERS



GROUND PLANE

10.2. The Limit For Section 15.247(d)

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 a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated



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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).

10.3.Restricted bands of operation

10.3.1.FCC Part 15.205 Restricted bands of operation

(a) Except as shown in paragraph (d) of this section, Only spurious emissions are permitted in any of the frequency bands listed below:

permitted in any of the frequency bands listed below:									
MHz	MHz	MHz	GHz						
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15						
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46						
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75						
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5						
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2						
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5						
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7						
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4						
6.31175-6.31225	123-138	2200-2300	14.47-14.5						
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2						
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4						
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12						
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0						
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8						
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5						
12.57675-12.57725	322-335.4	3600-4400	$\binom{2}{2}$						
13.36-13.41									

¹Until February 1, 1999, this restricted band shall be 0.490-0.510

(b) Except as provided in paragraphs (d) and (e), the field strength of emission appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000MHz, Compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000MHz, compliance with the emission limits in Section15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

10.4.Configuration of EUT on Measurement

The equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

10.5. Operating Condition of EUT

10.5.1. Setup the EUT and simulator as shown as Section 9.1.

²Above 38.6



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10.5.2. Turn on the power of all equipment.

10.5.3.Let the EUT work in TX modes measure it. The transmit frequency are 2402-2480 MHz. We select 2402MHz, 2440MHz, and 2480MHz TX frequency to transmit.

10.6.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

The bandwidth of test receiver is set at 9 kHz in below 30MHz. and set at 120 kHz in 30-1000MHz, and 1MHz in above 1000MHz.

The frequency range from 9 kHz to 25GHz is checked.

The final measurement in band 9-90 kHz, 110-490 kHz and above 1000MHz is performed with Average detector. Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.

The field strength is calculated by adding the antenna factor, and cable loss, and subtracting the amplifier gain from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

10.7.The Field Strength of Radiation Emission Measurement Results **PASS.**

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

- 2. *: Denotes restricted band of operation.
- 3. The radiation emissions from 18-25GHz are not reported, because the test values lower than the limits of 20dB.



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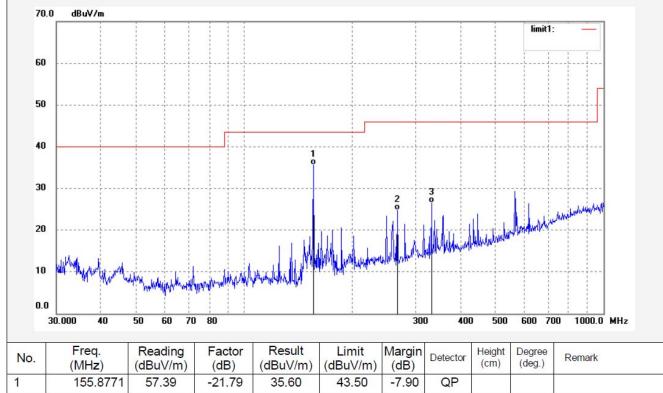
Job No.: DING #2048 Polarization: Vertical Standard: FCC Class B 3M Radiated Power Source: DC 5V

Test item: Radiation Test Date: 16/07/28/ Temp.(C)/Hum.(%) 25 C / 55 % Time: 9/21/59

EUT: Fitness Watch Engineer Signature: DING TX 2402MHz Distance: 3m Mode: Model: HD-286

Note: Report NO.:ATE20161495

Manufacturer: FEIHAO



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	155.8771	57.39	-21.79	35.60	43.50	-7.90	QP			
2	266.8395	41.97	-17.23	24.74	46.00	-21.26	QP			
3	331.7858	41.86	-15.29	26.57	46.00	-19.43	QP			



Note:



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ACCURATE TECHNOLOGY CO., LTD.

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Site: 1# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Engineer Signature: DING

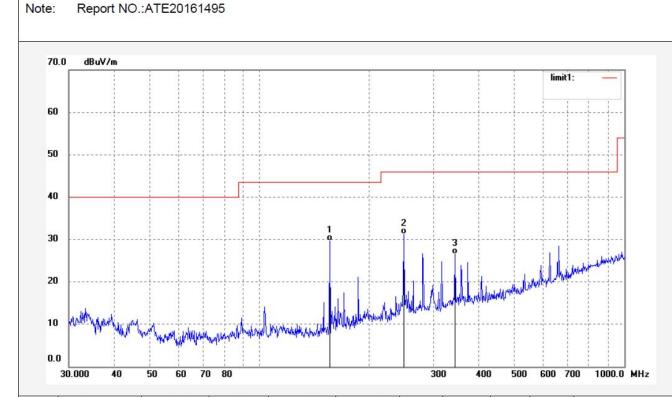
Distance: 3m

Job No.: DING #2049 Polarization: Horizontal Standard: FCC Class B 3M Radiated Power Source: DC 5V

Date: 16/07/28/ Test item: Radiation Test Temp.(C)/Hum.(%) 25 C / 55 % Time: 9/23/04

EUT: Fitness Watch TX 2402MHz Mode: Model: HD-286

Manufacturer: FEIHAO



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	155.8771	51.42	-21.79	29.63	43.50	-13.87	QP			
2	248.7318	49.43	-18.18	31.25	46.00	-14.75	QP			
3	343.6505	41.30	-14.86	26.44	46.00	-19.56	QP			





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Job No.: DING #2050 Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Fitness Watch Mode: TX 2440MHz Model: HD-286

Manufacturer: FEIHAO

Note: Report NO.:ATE20161495

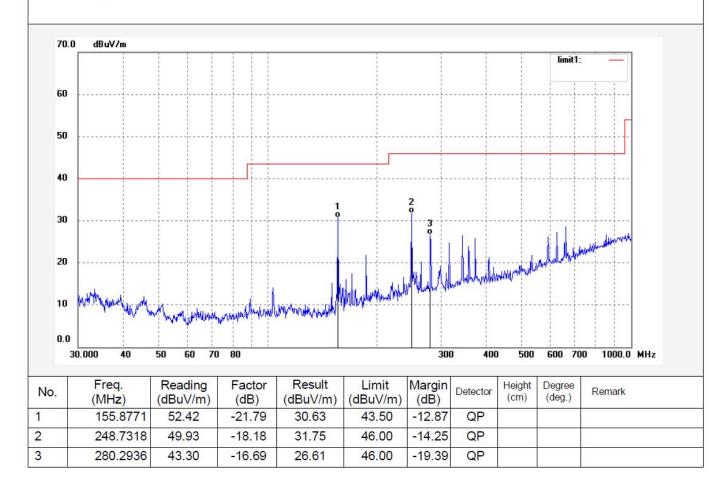
Polarization: Horizontal

Power Source: DC 5V Date: 16/07/28/

Engineer Signature: DING

Distance: 3m

Time: 9/23/13





Report No.: ATE20161495

Site: 1# Chamber

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> Polarization: Vertical Power Source: DC 5V

Date: 16/07/28/ Time: 9/24/07

Engineer Signature: DING

Distance: 3m

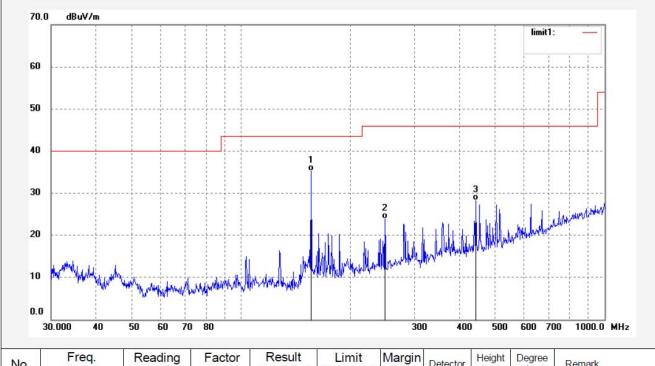
Job No.: DING #2051 Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Fitness Watch Mode: TX 2440MHz Model: HD-286 Manufacturer: FEIHAO

Note: Report NO.:ATE20161495



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	155.8771	57.09	-21.79	35.30	43.50	-8.20	QP			
2	248.7319	42.08	-18.18	23.90	46.00	-22.10	QP			
3	442.5722	41.37	-13.19	28.18	46.00	-17.82	QP			





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Distance: 3m

400

500

600 700

1000.0 MHz

Site: 1# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

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Job No.: DING #2052 Polarization: Vertical Standard: FCC Class B 3M Radiated Power Source: DC 5V

Test item: Radiation Test Date: 16/07/28/
Temp.(C)/Hum.(%) 25 C / 55 %
Time: 9/24/24

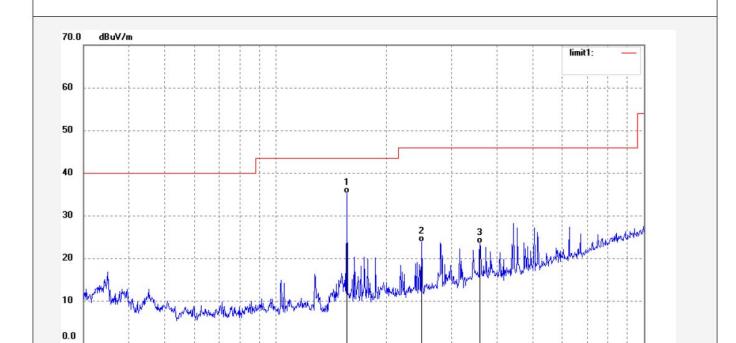
EUT: Fitness Watch Engineer Signature: DING

Mode: TX 2480MHz

Model: HD-286

Manufacturer: FEIHAO

Note: Report NO.:ATE20161495



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	155.8771	57.09	-21.79	35.30	43.50	-8.20	QP			
2	248.7319	42.08	-18.18	23.90	46.00	-22.10	QP			
3	358.4497	37.82	-14.34	23.48	46.00	-22.52	QP			

30.000

70 80



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Job No.: DING #2053 Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Fitness Watch Mode: TX 2480MHz Model: HD-286

Manufacturer: FEIHAO

Note: Report NO.:ATE20161495

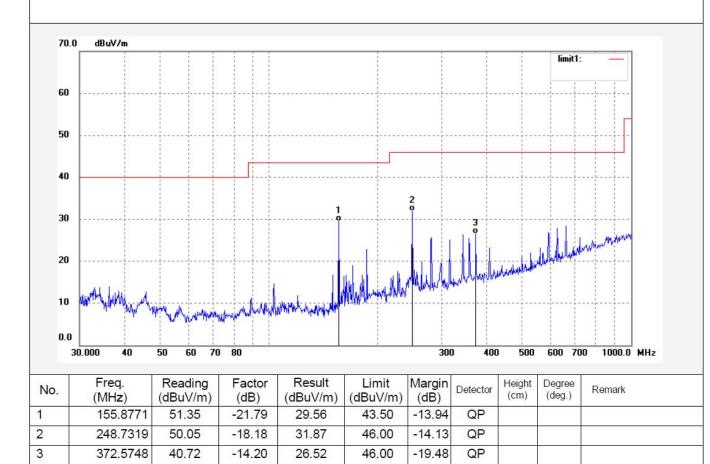
Polarization: Horizontal

Power Source: DC 5V

Date: 16/07/28/ Time: 9/25/28

Engineer Signature: DING

Distance: 3m







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Job No.: DING #2054 Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Fitness Watch Mode: TX 2402M Model: HD-286

Manufacturer: FEIHAO

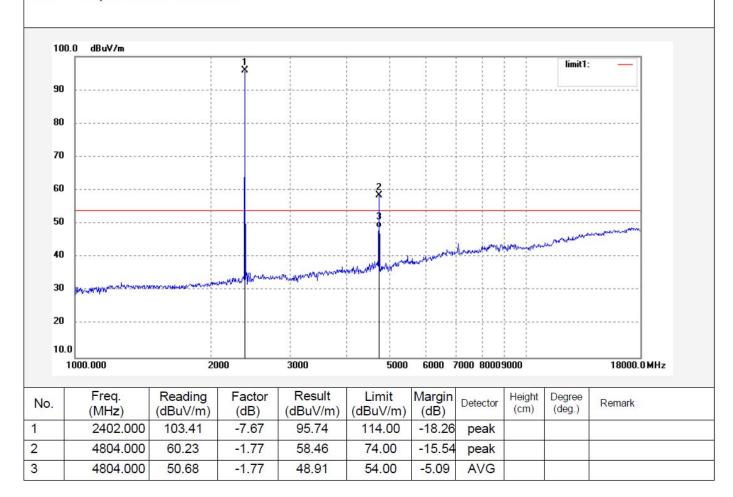
Note: Report NO.:ATE20161495 Polarization: Vertical

Power Source: DC 5V

Date: 16/07/28/ Time: 9/34/03

Engineer Signature: DING

Distance: 3m







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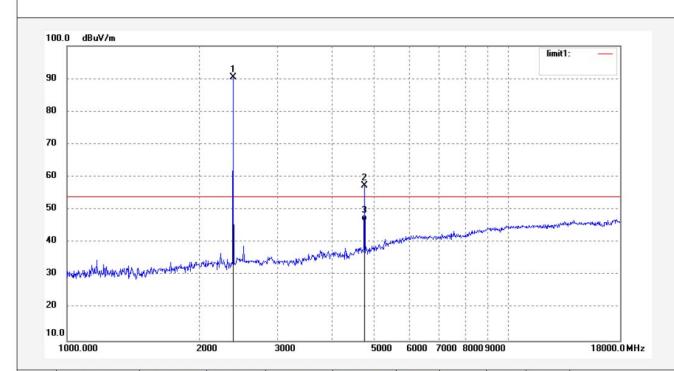
Job No.: DING #2055 Polarization: Horizontal Standard: FCC Class B 3M Radiated Power Source: DC 5V

Standard: FCC Class B 3M Radiated Power Source: DC 5\
Test item: Radiation Test Date: 16/07/28/
Temp.(C)/Hum.(%) 25 C / 55 %
Time: 9/35/52

EUT: Fitness Watch Engineer Signature: DING Mode: TX 2402M Distance: 3m

Model: HD-286
Manufacturer: FEIHAO

Note: Report NO.:ATE20161495



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	98.20	-7.67	90.53	114.00	-23.47	peak	8		
2	4804.000	59.18	-1.77	57.41	74.00	-16.59	peak	9		
3	4804.000	48.26	-1.77	46.49	54.00	-7.51	AVG	8	0	





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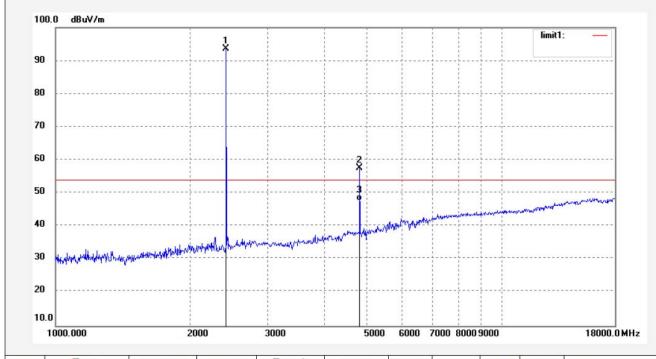
Job No.: DING #2056 Polarization: Horizontal Standard: FCC Class B 3M Radiated Power Source: DC 5V

Test item: Radiation Test Date: 16/07/28/
Temp.(C)/Hum.(%) 25 C / 55 % Time: 9/37/25

EUT: Fitness Watch Engineer Signature: DING Mode: TX 2440M Distance: 3m

Model: HD-286 Manufacturer: FEIHAO

Note: Report NO.:ATE20161495



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2440.000	101.12	-7.56	93.56	114.00	-20.44	peak			
2	4880.000	59.10	-1.50	57.60	74.00	-16.40	peak			
3	4880.000	49.28	-1.50	47.78	54.00	-6.22	AVG			



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Job No.: DING #2057

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Fitness Watch Mode: TX 2440M

Model: HD-286 Manufacturer: FEIHAO

Note: Report NO.:ATE20161495

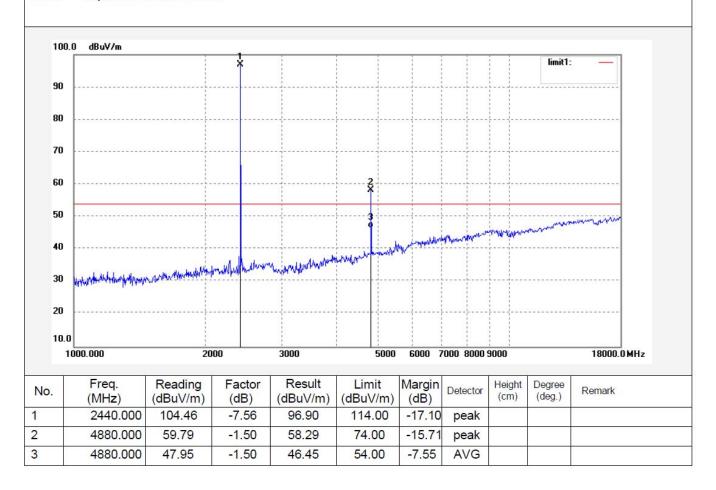
Polarization: Vertical

Power Source: DC 5V

Date: 16/07/28/ Time: 9/38/29

Engineer Signature: DING

Distance: 3m







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Distance: 3m

Site: 1# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

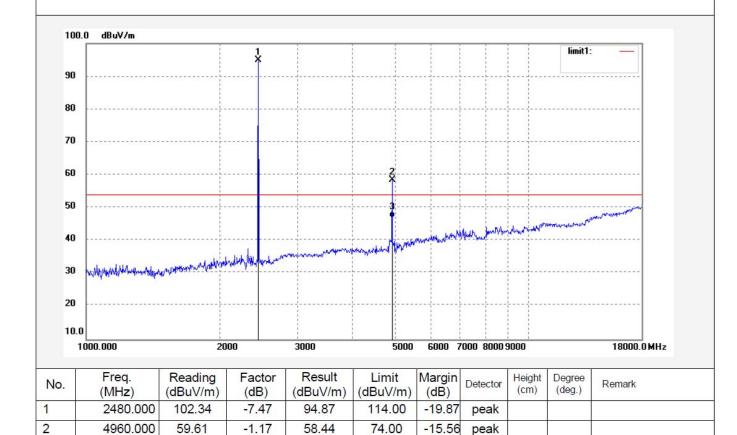
Job No.: DING #2058 Polarization: Vertical Standard: FCC Class B 3M Radiated Power Source: DC 5V

Test item: Radiation Test Date: 16/07/28/
Temp.(C)/Hum.(%) 25 C / 55 % Time: 9/40/34

EUT: Fitness Watch Engineer Signature: DING

Mode: TX 2480M Model: HD-286 Manufacturer: FEIHAO

Note: Report NO.:ATE20161495



54.00

-6.92

AVG

3

4960.000

48.25

-1.17

47.08





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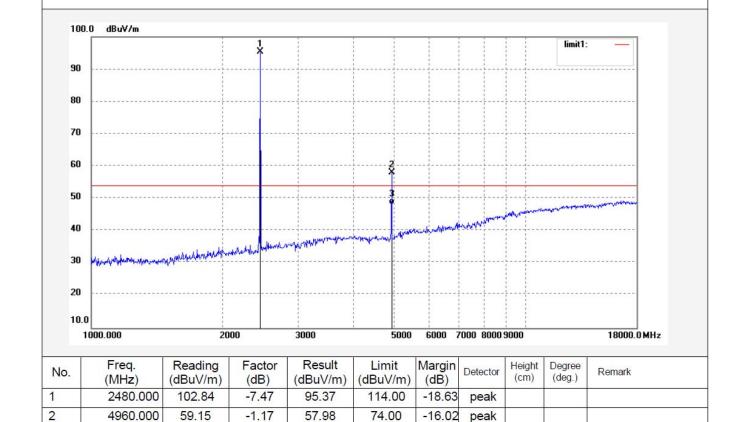
Job No.: DING #2059 Polarization: Horizontal Standard: FCC Class B 3M Radiated Power Source: DC 5V

Test item: Radiation Test Date: 16/07/28/
Temp.(C)/Hum.(%) 25 C / 55 % Time: 9/42/12

EUT: Fitness Watch Engineer Signature: DING Mode: TX 2480M Distance: 3m

Mode: TX 2480M Model: HD-286 Manufacturer: FEIHAO

Note: Report NO.:ATE20161495



54.00

-5.91

AVG

3

4960.000

49.26

-1.17

48.09



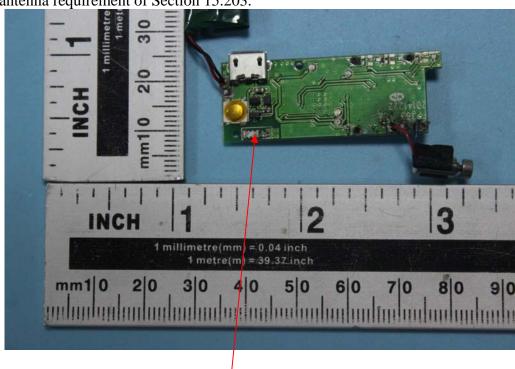
11.ANTENNA REQUIREMENT

11.1.The Requirement

According to Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

11.2.Antenna Construction

Device is equipped with permanent attached antenna, which isn't displaced by other antenna. The Antenna gain of EUT is 0 dBi. Therefore, the equipment complies with the antenna requirement of Section 15.203.



Antenna