

FCC/IC - TEST REPORTReport Number : **68.760.14.349.01** Date of Issue: Dec 12, 2014Model : 360526Product Type : MP7QCFS ModuleApplicant : ICON Health & Fitness Inc.Address : 1500 South 1000 West, Logan UT 84321, USAProduction Facility : Wanlida Group Co., Ltd.Address : Wanlida Industry Zone, 363601 Nanjing, Fujian,PEOPLE'S REPUBLIC OF CHINATest Result : **Positive** **Negative**Total pages including
Appendices : 14

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2 Details about the Test Laboratory

Details about the Test Laboratory

Company name: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
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Test Site 2

Company name: Audix Technology (shenzhen) Co.,Ltd
Block Shenzhen, Science & Industry Park,
Nantou, Shenzhen,
Guangdong,
China

Telephone: 86 755 2663 9496
Fax: 86 755 2663 2877

3 Description of the Equipment Under Test

Product:	MP7QCFS Module
Model no.:	360526
FCC ID:	OMC360526
IC ID:	3673A-360526
Options and accessories:	NIL
Rating:	DC 12V Powered by external power supply: Adaptor Input: 100-240VAC, 50/60Hz Adaptor Output: 12VDC, 2.0A
RF Transmission Frequency:	2402-2480MHz for Bluetooth3.0 & 4.0 2412-2462MHz for WIFI
No. of Operated Channel:	79 channels for Bluetooth3.0 39 channels for Bluetooth4.0 11 channels for WIFI
Modulation:	GFSK, $\pi/4$ -DQPSK, 8DPSK, OFDM, DSSS
Duty Cycle:	33.8% for Bluetooth 3.0 15.2% for Bluetooth 4.0 100% for WIFI
Antenna Type:	Embedded Type Antenna
Antenna Gain:	1dBi
Description of the EUT:	The Equipment Under Test (EUT) is a MP7QCFS Module operated at 2.4GHz

4 Summary of Test Standards

Test Standards	
FCC Part 15 Subpart B 10-1-14 Edition	Unintentional Radiators
ICES-003 Issue 5 August 2012	Information Technology Equipment (ITE) – Limits and methods of measurement



5 Summary of Test Results

Emission Tests					
FCC Part 15 Subpart B 10-1-14 Edition/ICES-003 Issue 5					
Test Condition	Pages	Test Site	Test Result		
			Pass	Fail	N/A
Conducted Emission on AC 150kHz to 30MHz	8	Site 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Radiated Emission 30MHz to 1000MHz	12	Site 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6 General Remarks

Remarks

Nil.

SUMMARY:

All tests according to the regulations cited on page 5 were

- Performed

- **Not** Performed

The Equipment under Test

- **Fulfills** the general approval requirements.

- **Does not** fulfill the general approval requirements.

Sample Received Date: Nov 05, 2014

Testing Start Date: Nov 06, 2014

Testing End Date: Dec 11, 2014

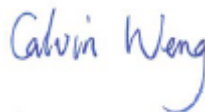
- TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch -

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Tested by:



Leo.Li
EMC Test Engineer

7 Technical Requirement

7.1 Conducted Emission Test

Test Method

1. The EUT was placed on a table, which is 0.8m above ground plane
2. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.).
3. Maximum procedure was performed to ensure EUT compliance
4. A EMI test receiver is used to test the emissions from both sides of AC line

Limit

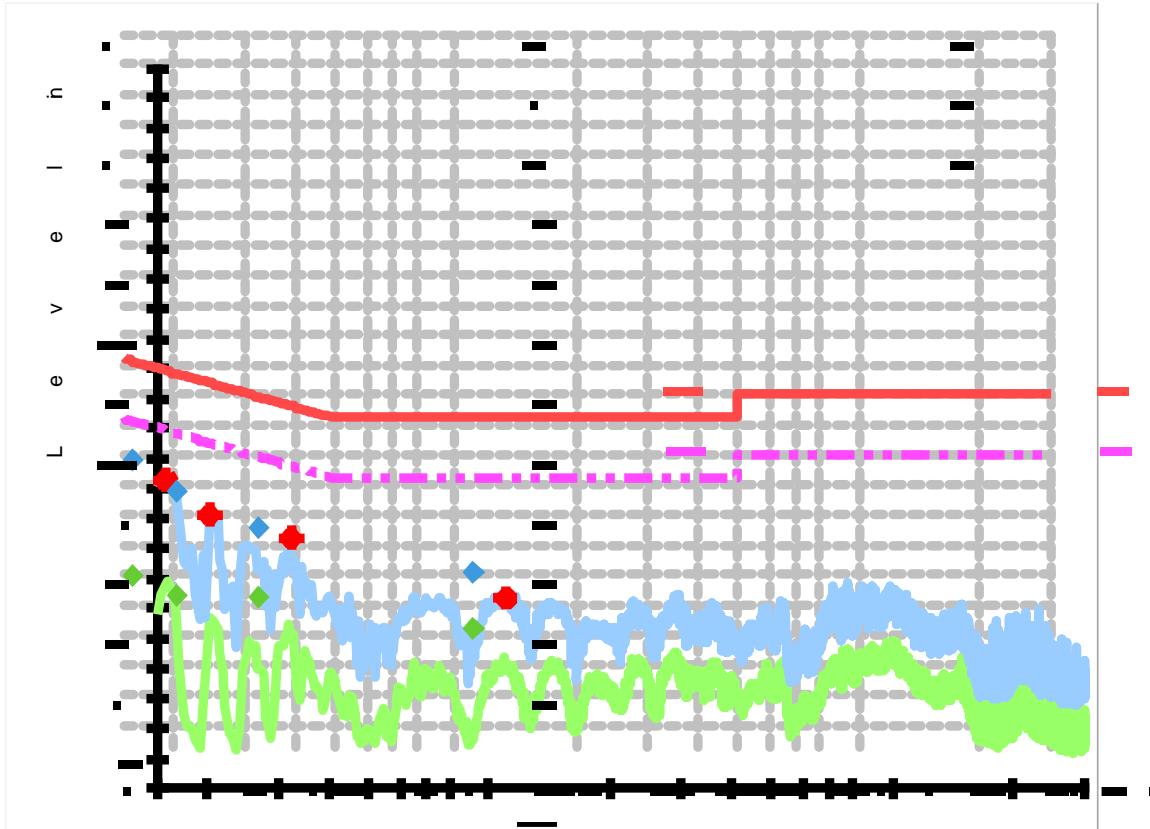
According to §15.107, conducted emissions limit as below:

Frequency MHz	QP Limit dB μ V	AV Limit dB μ V
0.150-0.500	66-56*	56-46*
0.500-5	56	46
5-30	60	50

Decreasing linearly with logarithm of the frequency

Conducted Emission

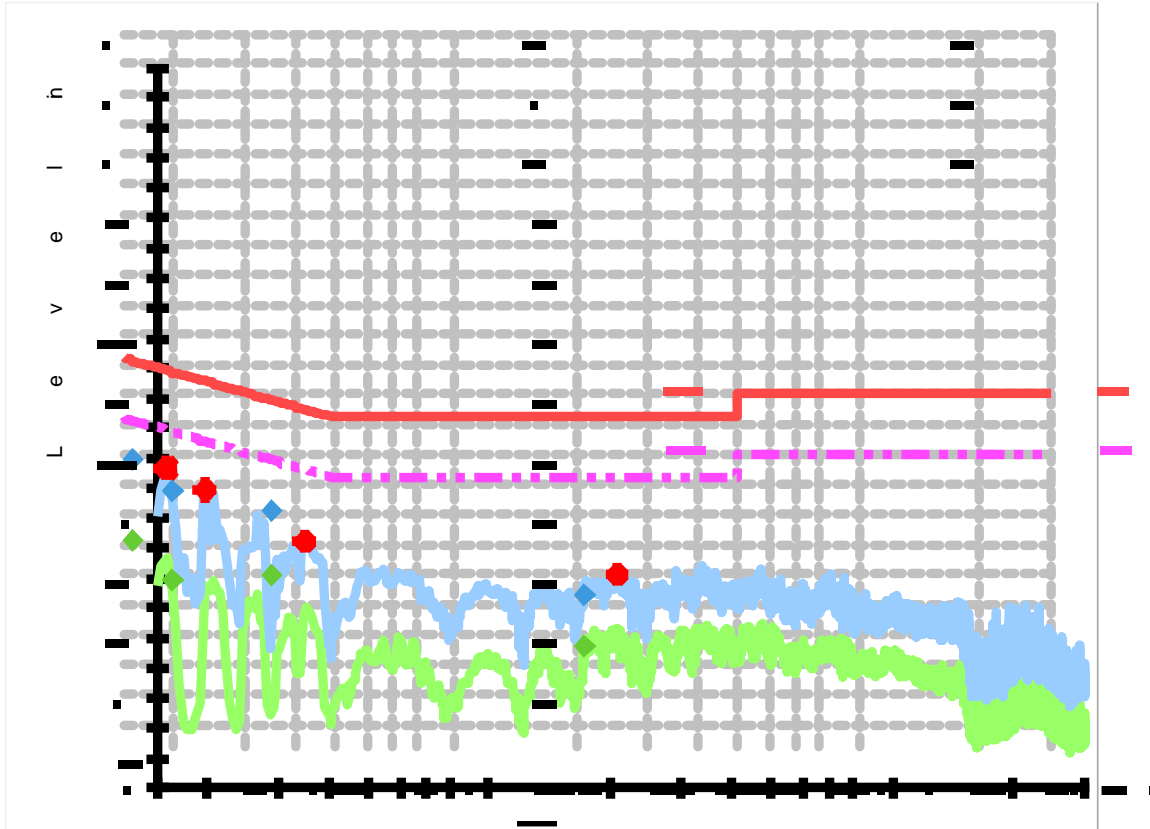
Product Type : MP7QCFS Module
 M/N : 360526
 Operating Condition : Video Play and LAN communication
 Test Specification : Line
 Comment : AC 120V/60Hz



Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.157500	---	29.80	55.59	25.79	L1	9.6
0.157500	48.94	---	65.59	16.65	L1	9.6
0.201500	---	26.52	53.55	27.03	L1	9.8
0.201500	43.74	---	63.55	19.81	L1	9.8
0.322500	---	26.00	49.64	23.64	L1	10.2
0.322500	37.81	---	59.64	21.83	L1	10.2
1.105500	---	20.81	46.00	25.19	L1	9.8
1.105500	30.17	---	56.00	25.83	L1	9.8

Conducted Emission

Product Type : MP7QCFS Module
 M/N : 360526
 Operating Condition : Video Play and LAN communication
 Test Specification : Neutral
 Comment : AC 120V/60Hz



Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.157500	---	35.64	55.59	19.95	N	9.6
0.157500	49.12	---	65.59	16.47	N	9.6
0.197500	---	28.99	53.72	24.73	N	9.8
0.197500	43.85	---	63.72	19.87	N	9.8
0.349500	---	29.67	48.97	19.30	N	10.1
0.349500	40.57	---	58.97	18.40	N	10.1
2.077500	---	17.93	46.00	28.07	N	9.8
2.077500	26.57	---	56.00	29.43	N	9.8

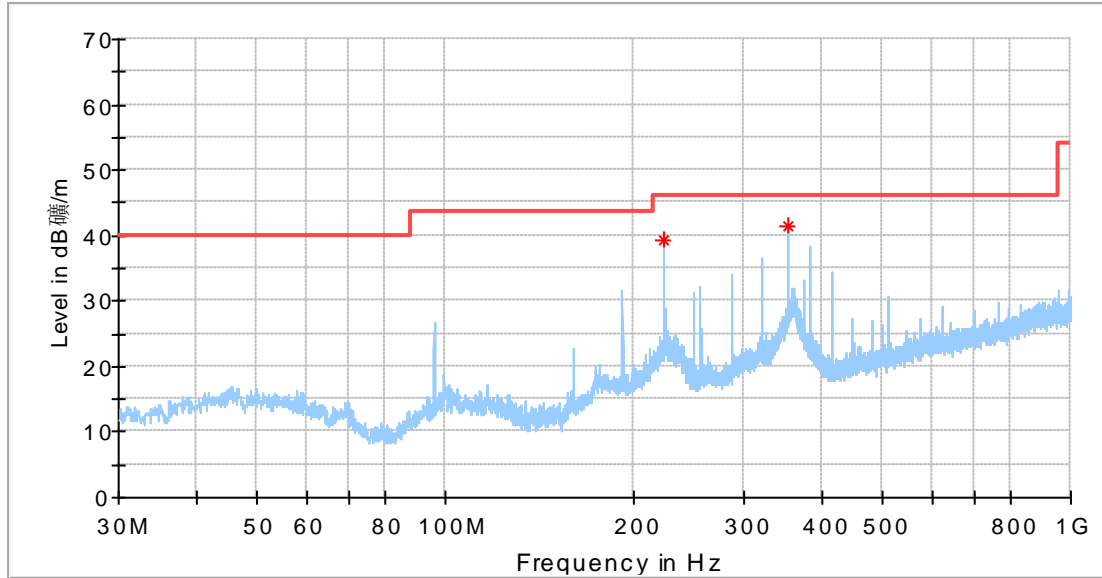
Test Equipment List

Conducted emission test

Equipment	Manufacturer	Model No.	Serial No.	Cal. due. date
Test Receiver	Rohde & Schwarz	ESHS10	838693/001	Oct.31, 2015
L.I.S.N.#1	Rohde & Schwarz	ESH2-Z5	834066/011	Oct.31, 2015
Terminator	Hubersuhner	50Ω	No. 1	May.08, 2015
Terminator	Hubersuhner	50Ω	No. 2	May.08, 2015
RF Cable	Fujikura	3D-2W	No.1	May.08, 2015
Coaxial Switch	Anritsu	MP59B	M50564	May.08, 2015
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100341	May.08, 2015

7.2 Radiated Emission Test 30MHz – 1000MHz

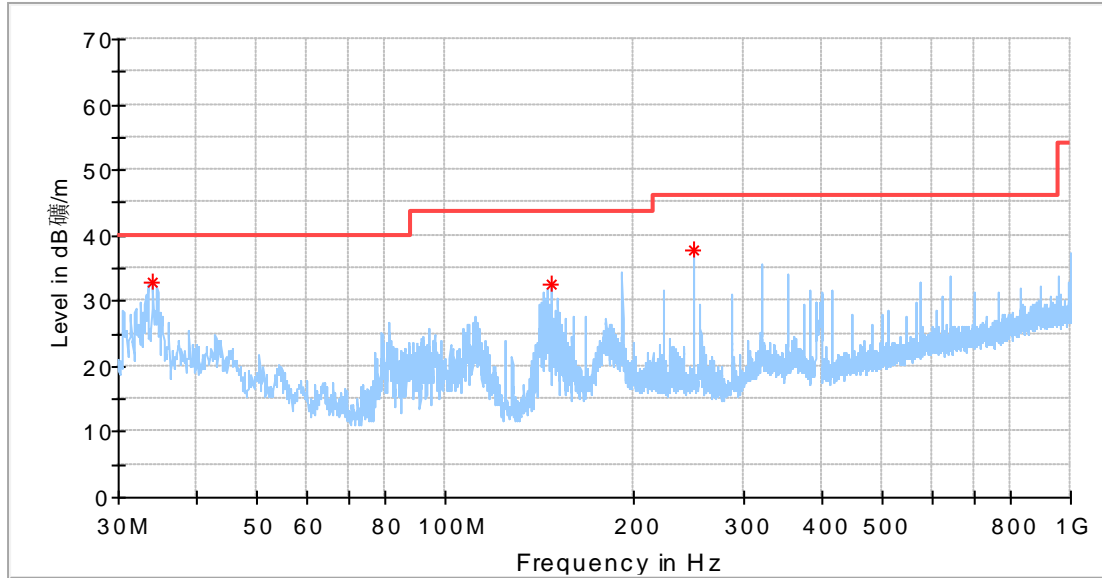
Product Type : MP7QCFS Module
 M/N : 360526
 Operating Condition : Video Play and LAN communication
 Ant. Polarity : Horizontal
 Comment : 30-1000MHz



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
224.000000	39.21	46.00	6.79	---	---	200.0	H	59.0	13.6
352.040000	41.39	46.00	4.61	---	---	100.0	H	318.0	16.9

7.2 Radiated Emission Test 30MHz – 1000MHz

Product Type : MP7QCFS Module
 M/N : 360526
 Operating Condition : Video Play and LAN communication
 Ant. Polarity : Vertical
 Comment : 30-1000MHz



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
34.061875	32.99	40.00	7.01	---	---	100.0	V	272.0	12.7
148.097500	32.43	43.50	11.07	---	---	100.0	V	50.0	10.2
250.008125	37.69	46.00	8.31	---	---	100.0	V	0.0	14.7

Remark: there is no signal detected above 1GHz, so no data shown above 1GHz.

Test Equipment List**Radiated Emission Test**

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DUE DATE
EMI Spectrum	Agilent	E4407B	MY41440292	May 07, 2015
Test Receiver	Rohde & Schwarz	ESVS10	834468/011	May 07, 2015
Amplifier	HP	8447D	2648A04738	May 07, 2015
Bilog Antenna	Schaffner	CBL6111C	2598	Dec.13, 2015
RF Cable	MIYAZAKI	8D-FB	3# Chamber No.1	May 07, 2015
Coaxial Switch	Anritsu	MP59B	M73989	May 07, 2015