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APPLICATION CERTIFICATION FCC Part 15C On Behalf of IMC INTERNATIONAL INC.

7 inch 3G TABLET Model No.: ROAD XT-71BG

FCC ID: 2ACI7-ROADXT-71BG

Prepared for IMC INTERNATIONAL INC.

Address 28E Jingang, xixiang, Bao an District, Shenzhen,

Guangdong Province, China

ACCURATE TECHNOLOGY CO., LTD Prepared by

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Report Number : ATE20140927

Date of Test Jun 04, 2014- Jun 28, 2014

Jun 28, 2014 Date of Report

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Test Report Certification

Applicant : IMC INTERNATIONAL INC.

Manufacturer : IMC INTERNATIONAL INC.

EUT Description : 7 inch 3G TABLET

(A) MODEL NO.: ROAD XT-71BG

(B) Trade Name.: LOGIC

(C) POWER SUPPLY: DC 3.7V (Powered by battery) or AC 120V/60Hz

(Powered by adapter)

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.247 ANSI C63.4: 2009

The EUT was tested according to DTS test procedure of Jun 05, 2014 KDB558074 D01 DTS Meas Guidance v03r02 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:	Jun 04, 2014-Jun 28, 2014
Prepared by :	7 in Zhang
	(Tim.zhang, Engineer)
Approved & Authorized Signer:	Lemil
	(Sean Liu, Manager)





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1. GENERAL INFORMATION

1.1.Description of Device (EUT)

EUT : 7 inch 3G TABLET

Model Number : ROAD XT-71BG

Bluetooth version : Bluetooth V4.0 LE

Frequency Range : 2402MHz-2480MHz

Number of Channels : 40

Type of Antenna : Integral Antenna

Antenna gain : 1.5dBi

Power Supply : DC 3.7V (Powered by Battery)

AC 120V/60Hz (Powered by Adapter)

Adapter : Model:DY-050150

Input: AC 100-240V 50/60Hz

Output: 5.0V 1.5A

Modulation mode : GFSK

Applicant : IMC INTERNATIONAL INC.

Address : 28E Jingang, xixiang,Bao an District, Shenzhen,

Guangdong Province, China

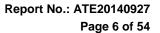
Manufacturer : IMC INTERNATIONAL INC.

Address : 28E Jingang, xixiang,Bao an District, Shenzhen,

Guangdong Province, China

Date of sample received: Jun 04, 2014

Date of Test : Jun 04, 2014-Jun 28 2014





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 N/A



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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

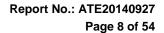
(9kHz-30MHz)

Radiated emission expanded uncertainty 4.42dB, k=2

(30MHz-1000MHz)

Radiated emission expanded uncertainty 4.06dB, k=2

(Above 1GHz)

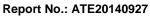




2. MEASURING DEVICE AND TEST EQUIPMENT

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. 11, 2014	Jan. 10, 2015
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 11, 2014	Jan. 10, 2015
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 11, 2014	Jan. 10, 2015
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 11, 2014	Jan. 10, 2015
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 15, 2014	Jan. 14, 2015
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 15, 2014	Jan. 14, 2015
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 15, 2014	Jan. 14, 2015
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 15, 2014	Jan. 14, 2015
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 11, 2014	Jan. 10, 2015
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 11, 2014	Jan. 10, 2015
Highpass Filter	Wainwright Instruments	WHKX3.6/18 G-10SS	N/A	Jan. 11, 2014	Jan. 10, 2015
Band Reject Filter	Wainwright Instruments	WRCG2400/2 485-2375/2510 -60/11SS	N/A	Jan. 11, 2014	Jan. 10, 2015





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3. OPERATION OF EUT DURING TESTING

3.1. Operating Mode

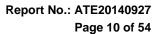
The mode is used: **BLE Transmitting mode**

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

3.2.Configuration and peripherals

EUT

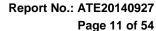
Figure 1 Setup: Transmitting mode





4. TEST PROCEDURES AND RESULTS

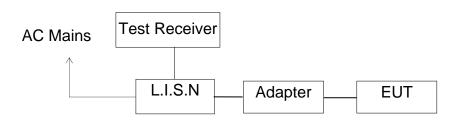
FCC Rules	Description of Test	Result
Section 15.207	Power Line Conducted Emission	Compliant
Section 15.247(a)(2)	6dB Bandwidth Test	Compliant
Section 15.247(e)	Power Spectral Density Test	Compliant
Section 15.247(b)(3)	Maximum Peak Output Power Test	Compliant
Section 15.247(d)	Band Edge Compliance Test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





5. POWER LINE CONDUCTED MEASUREMENT

5.1.Block Diagram of Test Setup



(EUT: 7 inch 3G TABLET)

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.



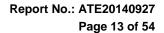
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5.5.Test Procedure

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 500hm 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: 2009 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

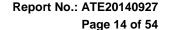
PASS.

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

Test mode : Cha	arging&B	T commu	nicating				
MEASUREMENT	RESULT	: "IMC-	B02_fi	in"			
6/7/2014 9:13 Frequency		Transd	T.imi+	Margin	Detector	Line	PE
MHz	dΒμV	dB	dΒμV		Detector	11110	12
0.517062 0.933537	36.20 38.30	10.7	56 56	19.8 17.7	QP OP	L1 L1	GND GND
	33.00		60		QP	L1	
MEASUREMENT	RESULT	: "IMC-	B02_fi	in2"			
6/7/2014 9:13			T :: +	M	Datastan	т :	DE
Frequency MHz	dBµV				Detector	Line	PE
0.209760 0.956168	33.20 27.10	10.5	53 46	20.0 18.9		L1 L1	GND GND
26.273361	24.00	11.5	46 50	26.0		L1	GND
MEASUREMENT	RESULT	: "IMC-	B01_fi	n"			
6/7/2014 9:11		_ ,					
Frequency MHz	dBµV				Detector	Line	PE
0.517062 0.933537	36.40	10.7	56	19.6	QP QP	N N	GND GND
13.435440	34.80	11.3	60	25.2	QP QP	N	GND
MEASUREMENT	RESULT	: "I M C-	B01_fi	.n2"			
6/7/2014 9:11		Tnoned	Timit	Manair	Dotostan	Timo	ישורו
Frequency MHz	dBµV				Detector	птие	PE
	36.90 27.20		54			N	GND
0.933537 26.064429	25.10	10.8 11.5	46 50	18.8 24.9		N N	GND GND

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

The spectral diagrams are attached as below.





ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

7" 3G TABLET M/N:ROAD XT-71BG EUT:

IMC Manufacturer:

Operating Condition: BT/Charging

1#Shielding Room Test Site:

Operator: Alen

Test Specification: N 120V/60Hz

Report No:ATE20140927 Comment: Start of Test: 6/7/2014 / 9:09:09AM

SCAN TABLE: "V 150K-30MHz fin"

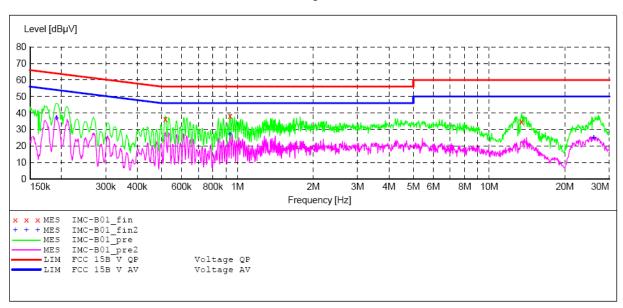
_SUB_STD_VTERM2 1.70 Short Description:

Start Stop Step Detector Meas. ΙF Transducer

Width Time Bandw.

Frequency Frequency 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008

Average

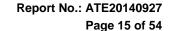


MEASUREMENT RESULT: "IMC-B01 fin"

6	/7/2014 9:11	AM						
	Frequency				Margin	Detector	Line	PΕ
	MHz	dΒμV	dB	dΒμV	dB			
	0 517000	26.40	10.7	F.6	10.0	0.5		COLE
	0.517062	36.40	10.7	56	19.6	QP	N	GND
	0.933537	38.10	10.8	56	17.9	QP	N	GND
	13.435440	34.80	11.3	60	25.2	OP	N	GND

MEASUREMENT RESULT: "IMC-B01 fin2"

6/7/2014 9:11	AM						
Frequency				_	Detector	Line	PΕ
MHz	dΒμV	ав	dBµV	dB			
0.191358	36.90	10.5	54	17.1	AV	N	GND
0.933537	27.20	10.8	46	18.8	AV	N	GND
26.064429	25.10	11.5	50	24.9	AV	N	GND





ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

7" 3G TABLET M/N:ROAD XT-71BG EUT:

Manufacturer: IMC

Operating Condition: BT/Charging 1#Shielding Room Test Site:

Operator: Alen

Test Specification: L 120V/60Hz

Comment: Report No:ATE20140927 Start of Test: 6/7/2014 / 9:11:48AM

SCAN TABLE: "V 150K-30MHz fin"

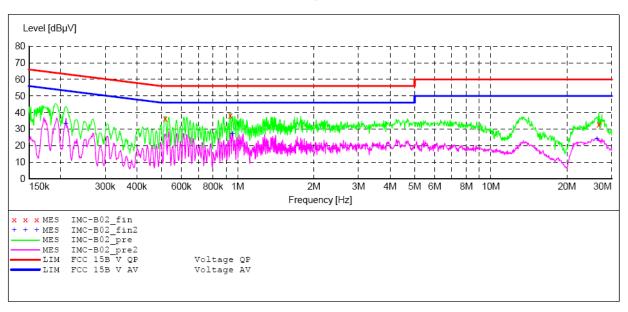
_SUB_STD_VTERM2 1.70 Short Description:

Start Stop Step Detector Meas. ΙF Transducer

Time Bandw.

Frequency Frequency Width 150.0 kHz 30.0 MHz 4.5 kH 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008

Average



MEASUREMENT RESULT: "IMC-B02 fin"

6/7/2014	9:13A	M						
Freque	-				_	Detector	Line	PΕ
	MHz	dΒμV	dB	dΒμV	dB			
0 51	70.00	26.00	10.7	F.C	100	0.5	T 1	CILE
0.51	/062	36.20	10.7	56	19.8	QP	L1	GND
0.933	3537	38.30	10.8	56	17.7	QP	L1	GND
26.69	6264	33.00	11.5	60	27.0	QP	L1	GND

MEASUREMENT RESULT: "IMC-B02 fin2"

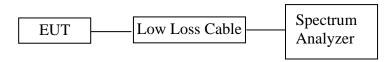
6/7/2014 9:	13AM						
Frequency				_	Detector	Line	PE
MHz	dΒμV	dB	dΒμV	dB			
0.209760	33.20	10.5	53	20.0	AV	L1	GND
0.956168	27.10	10.8	46	18.9	AV	L1	GND
26.273361	24.00	11.5	50	26.0	AV	L1	GND



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6. 6DB BANDWIDTH MEASUREMENT

6.1.Block Diagram of Test Setup



(EUT: 7 inch 3G TABLET)

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

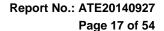
Section 15.247(a)(2): Systems using digital modulation techniques may operate in the 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

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

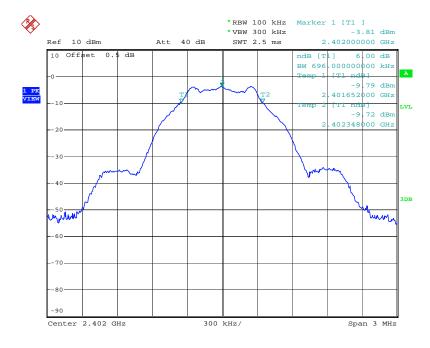
- 6.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.
- 6.5.2.Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz.
- 6.5.3.The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

6.6.Test Result

Channel	Frequency (MHz)	6 dB Bandwith (MHz)	Minimum Limit(MHz)	PASS/FAIL
0	2402	0.696	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.

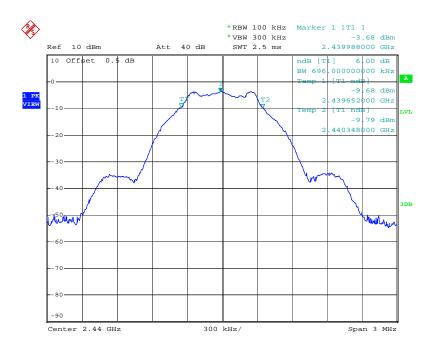
channel 0



Date: 27.JUN.2014 17:48:09

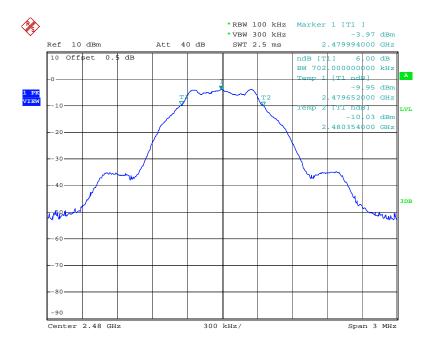


channel 19



Date: 27.JUN.2014 17:47:31

channel 39



Date: 27.JUN.2014 17:46:47



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7. MAXIMUM PEAK OUTPUT POWER

7.1.Block Diagram of Test Setup



(EUT: 7 inch 3G TABLET)

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

This procedure shall be used when the measurement instrument has available a resolution bandwidth that is greater than the DTS bandwidth.

The transmitter output was connected to the spectrum analyzer through a low loss cable.

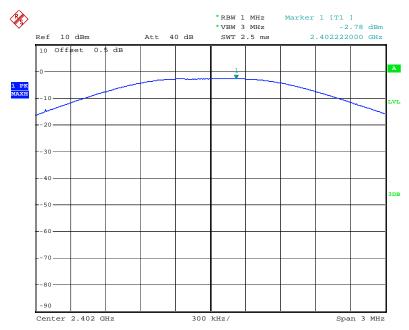
- a) Set the RBW $\geq DTS$ bandwidth.
- b) Set $VBW \ge 3 \times RBW$.
- c) Set span $\geq 3 \times RBW$
- d) Sweep time = auto couple.
- e) Detector = peak.
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use peak marker function to determine the peak amplitude level.

7.6.Test Result

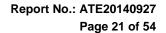
Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Limit (dBm)	Pass / Fail
0	2402	-2.78	30	PASS
19	2440	-2.66	30	PASS
39	2480	-3.00	30	PASS

The spectrum analyzer plots are attached as below.

channel 0

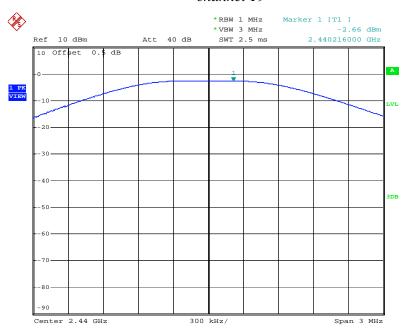


Date: 27.JUN.2014 17:43:07



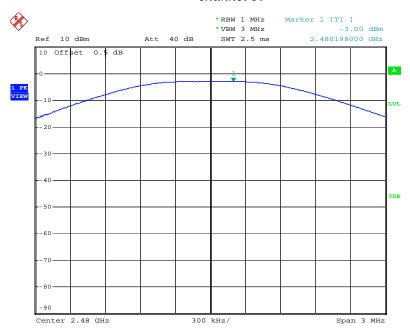


channel 19

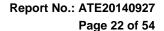


Date: 27.JUN.2014 17:44:20

channel 39



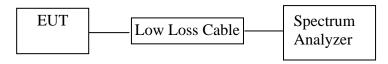
Date: 27.JUN.2014 17:45:40





8. POWER SPECTRAL DENSITY MEASUREMENT

8.1.Block Diagram of Test Setup



(EUT: 7 inch 3G TABLET)

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 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.

8.4. Operating Condition of EUT

- 8.4.1. Setup the EUT and simulator as shown as Section 8.1.
- 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 EUT was tested according to DTS test procedure of Jun 05, 2014 KDB558074 D01 DTS Meas Guidance v03r02 for compliance to FCC 47CFR 15.247 requirements.
- 8.5.2. The transmitter output was connected to the spectrum analyzer through a low loss cable.

8.5.3. Measurement Procedure PKPSD:

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.

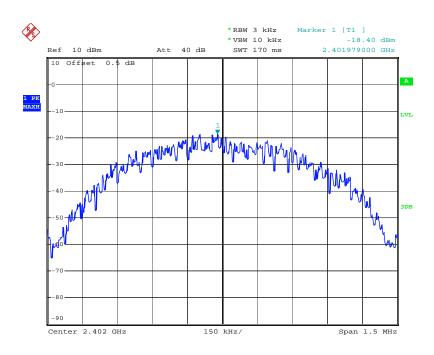


8.6.Test Result

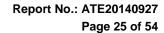
CHANNEL NUMBER	FREQUENCY (MHz)	PSD (dBm/3KHz)	LIMIT (dBm/3KHz)	PASS/FAIL
0	2402	-18.40	8	PASS
19	2440	-18.37	8	PASS
39	2480	-18.62	8	PASS

The spectrum analyzer plots are attached as below.

channel 0

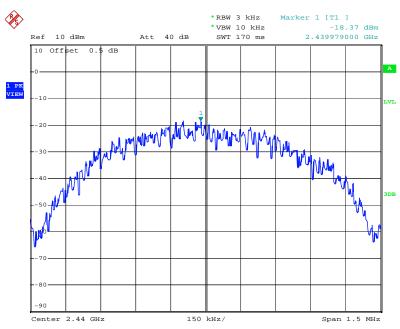


Date: 27.JUN.2014 17:50:23



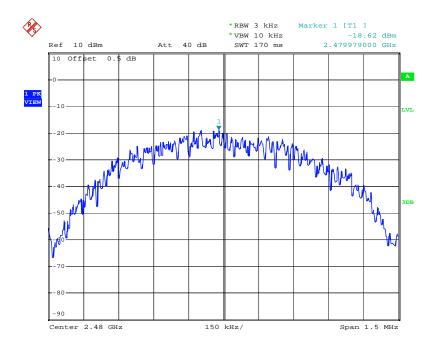






Date: 27.JUN.2014 17:51:23

channel 39



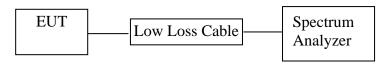
Date: 27.JUN.2014 17:52:01



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9. BAND EDGE COMPLIANCE TEST

9.1.Block Diagram of Test Setup



(EUT: 7 inch 3G TABLET)

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 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.



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9.4. Operating Condition of EUT

- 9.4.1. Setup the EUT and simulator as shown as Section 9.1.
- 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
- 9.5.2.Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz.

Radiate Band Edge:

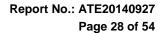
- 9.5.3. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
- 9.5.4. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
- 9.5.5. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
- 9.5.6. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:

9.5.7. The band edges was measured and recorded.

9.6.Test Result

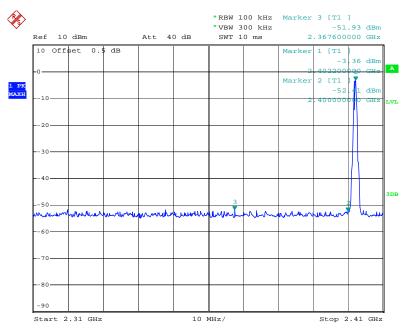
Pass

Channel	Frequency	Delta peak to band emission	Limit(dBc)
0	2367.60MHz	48.57	20
39	2493.58MHz	48.72	20



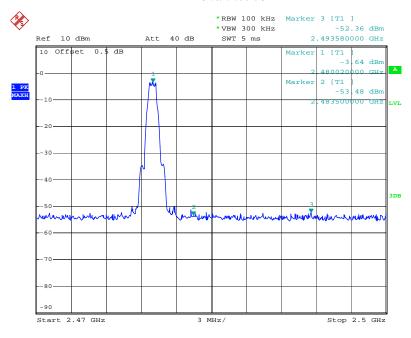


channel 0



Date: 27.JUN.2014 18:56:53

channel 39



Date: 27.JUN.2014 18:58:05



Radiated Band Edge Result

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



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F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park, Nanshan Shenzhen, P.R. China

Fax:+86-0755-26503396

Job No.: alen #1516 Polarization: Horizontal Standard: FCC PK

Test item: Radiation Test

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

EUT: 7" 3G Tablet Mode: TX 2402MHz Model: **BOAD XT-71BG**

Manufacturer: IMC

20

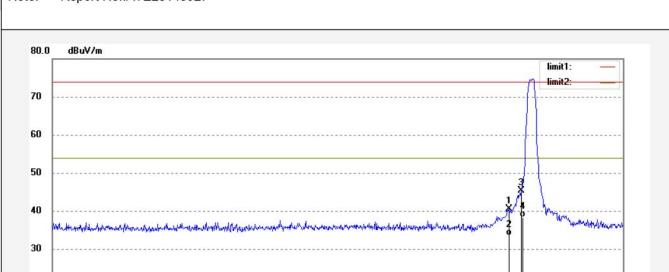
10

2310.000

Note: Report No.:ATE20140927

Power Source: AC 120V/60Hz

Date: 14/06/14/ Time: 9/12/45 Engineer Signature: Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2397.780	47.21	-6.76	40.45	74.00	-33.55	peak			
2	2397.780	40.23	-6.76	33.47	54.00	-20.53	AVG			
3	2400.090	52.03	-6.76	45.27	74.00	-28.73	peak			
4	2400.090	44.98	-6.76	38.22	54.00	-15.78	AVG			

2420.0 MHz



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Report No.: ATE20140927

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Job No.: alen #1517 Standard: FCC PK

Test item: Radiation Test

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

Report No.:ATE20140927

EUT: 7" 3G Tablet Mode: TX 2402MHz Model: **BOAD XT-71BG**

Manufacturer: IMC

Note:

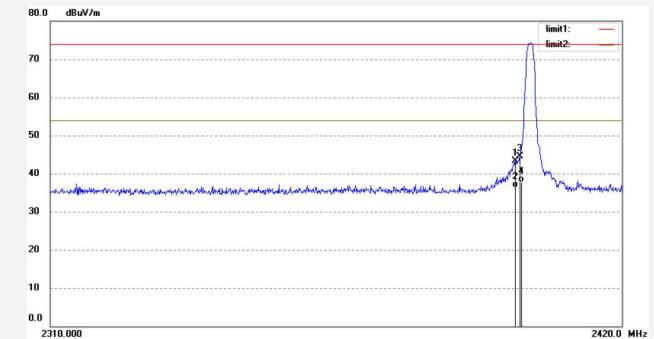
Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 14/06/14/ Time: 9/13/14 Engineer Signature:

Distance: 3m

dBuV/m 80.0 limit1:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2399.210	50.08	-6.76	43.32	74.00	-30.68	peak			
2	2399.210	43.05	-6.76	36.29	54.00	-17.71	AVG			
3	2400.090	51.32	-6.76	44.56	74.00	-29.44	peak			
4	2400.090	44.41	-6.76	37.65	54.00	-16.35	AVG			



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Site: 1# Chamber

Tel:+86-0755-26503200

Report No.: ATE20140927

Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: alen #1519 Polarization: Horizontal

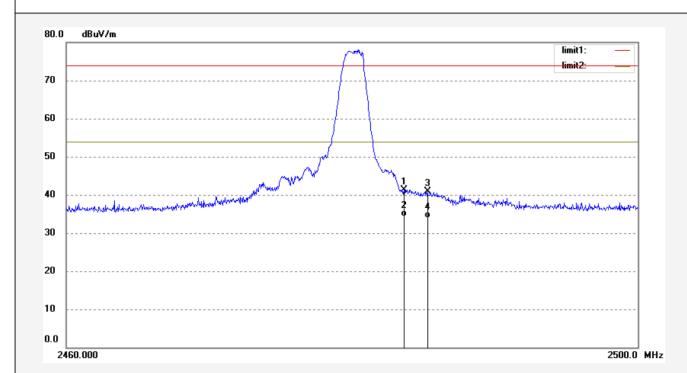
Standard: FCC PK Power Source: AC 120V/60Hz

Test item: Radiation Test Date: 14/06/14/
Temp.(C)/Hum.(%) 25 C / 55 % Time: 9/16/08
EUT: 7" 3G Tablet Engineer Signature:
Mode: TX 2480MHz Distance: 3m

Model: BOAD XT-71BG

Manufacturer: IMC

Note: Report No.:ATE20140927



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.600	47.84	-6.54	41.30	74.00	-32.70	peak			
2	2483.600	40.88	-6.54	34.34	54.00	-19.66	AVG			
3	2485.240	47.40	-6.54	40.86	74.00	-33.14	peak			
4	2485.240	40.41	-6.54	33.87	54.00	-20.13	AVG			



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Report No.: ATE20140927

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F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China

Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 14/06/14/
Time: 9/14/52
Engineer Signature:
Distance: 3m

Job No.: alen #1518 Standard: FCC PK

Test item: Radiation Test

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

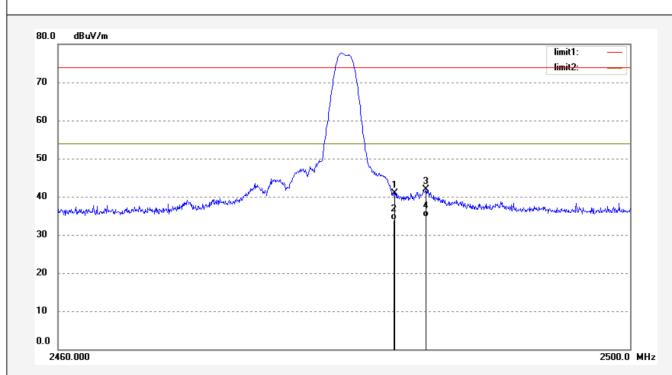
EUT: 7" 3G Tablet

Mode: TX 2480MHz

Model: BOAD XT-71BG

Manufacturer: IMC

Note: Report No.:ATE20140927



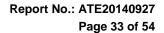
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.520	47.44	-6.54	40.90	74.00	-33.10	peak			
2	2483.520	40.38	-6.54	33.84	54.00	-20.16	AVG			
3	2485.680	48.41	-6.54	41.87	74.00	-32.13	peak			
4	2485.680	41.32	-6.54	34.78	54.00	-19.22	AVG			

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.



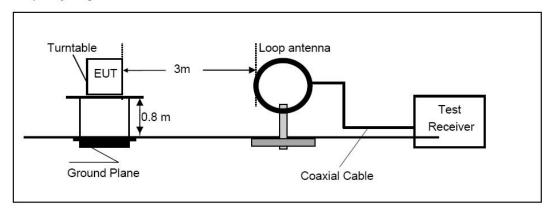


10. RADIATED SPURIOUS EMISSION TEST

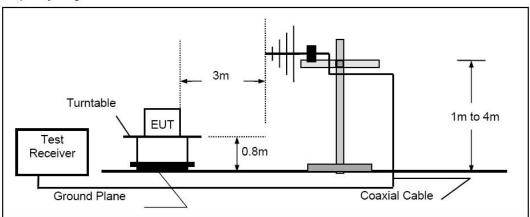
10.1.Block Diagram of Test Setup

Radiated Emission Test Set-Up

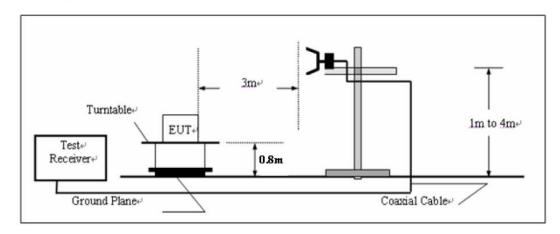
Frequency range 9KHz - 30MHz



Frequency range 30MHz - 1000MHz



Frequency range above 1GHz-25GHz





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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 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:

pern			
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	$\binom{2}{}$
13.36-13.41			

Until 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.

²Above 38.6



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10.4. Configuration of EUT on Measurement

The equipment is 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 10.1.
- 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 C63.4: 2009 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

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. When average radiated emissions measurements are specified there is also a limit on the peak emissions level which is 20 dB above the applicable maximum permitted average emission limit

A Quasi-peak measurement was then made for that frequency point for below 1GHz test. PK and AV for above 1GHz emission test.

- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
- 2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
- 3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth for average detection(AV) at below at frequency above 1GHz.



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

Frequency Band (MHz)	Function	Resolution Bandwidth	Video Bandwidth
30 to 1000	Peak	100 kHz	100 kHz
Above 1000	Peak	1 MHz	1 MHz
Above 1000	Average	1 MHz	10 Hz

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. The EUT is tested radiation emission at Low, Middle, High channel in three axes. The worst emissions are reported in all channels. The fundamental radiated emissions were reduced by Band Reject Filter in the attached plots.
- 3. The radiation emissions from 18-25GHz are not reported, because the test values lower than the limits of 20dB.



Below 1GHz

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

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China

Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 14/06/14/
Time: 13/49/17
Engineer Signature:
Distance: 3m

Job No.: alen #4403

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

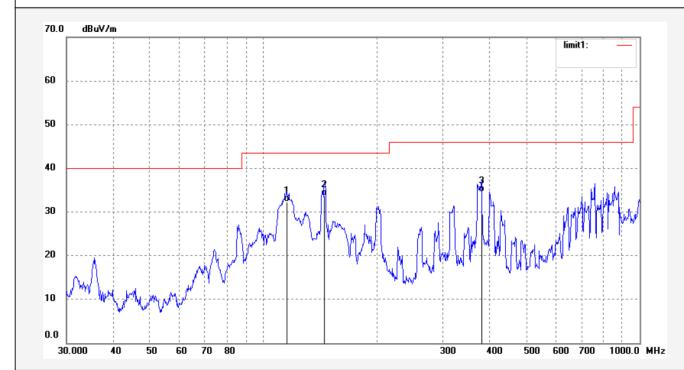
EUT: 7" 3G Tablet

Mode: TX 2402MHz

Model: BOAD XT-71BG

Manufacturer: IMC

Note: Report No:ATE20140927



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)		Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	115.3204	54.62	-22.35	32.27	43.50	-11.23	QP			
2	145.3505	57.35	-23.70	33.65	43.50	-9.85	QP			
3	379.9141	50.35	-15.78	34.57	46.00	-11.43	QP			



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Job No.: alen #4402

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 7" 3G Tablet
Mode: TX 2402MHz
Model: BOAD XT-71BG

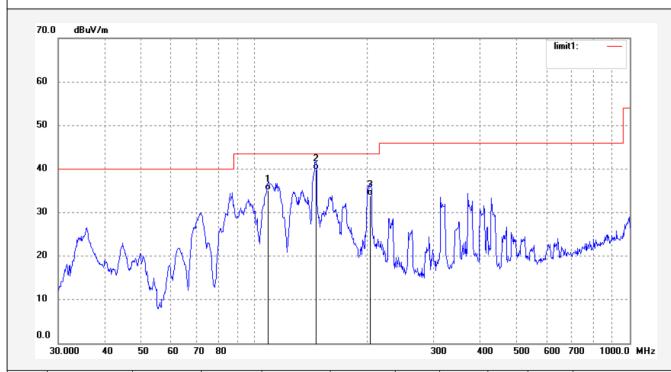
Manufacturer: IMC

Note: Report No:ATE20140927

Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 14/06/14/ Time: 13/48/13 Engineer Signature: Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	108.6470	57.38	-22.37	35.01	43.50	-8.49	QP			
2	145.8611	63.50	-23.72	39.78	43.50	-3.72	QP			
3	203.5228	53.89	-20.11	33.78	43.50	-9.72	QP			



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Job No.: alen #4400

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 7" 3G Tablet
Mode: TX 2440MHz
Model: BOAD XT-71BG

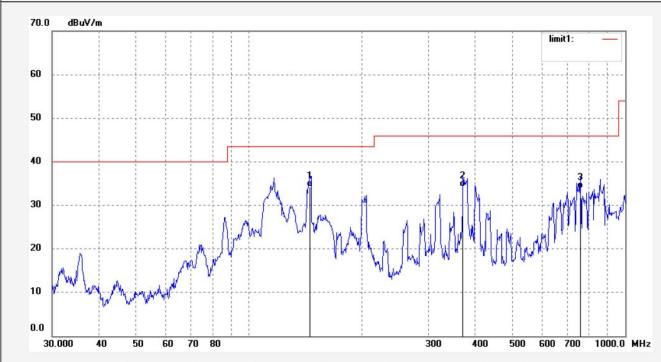
Manufacturer: IMC

Note: Report No:ATE20140927

Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 14/06/14/ Time: 13/46/08 Engineer Signature: Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	145.3506	57.89	-23.70	34.19	43.50	-9.31	QP			
2	370.7023	50.12	-15.85	34.27	46.00	-11.73	QP			
3	760.7036	42.32	-8.40	33.92	46.00	-12.08	QP			



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

Job No.: alen #4401

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 7" 3G Tablet

Mode: TX 2440MHz

Model: BOAD XT-71BG

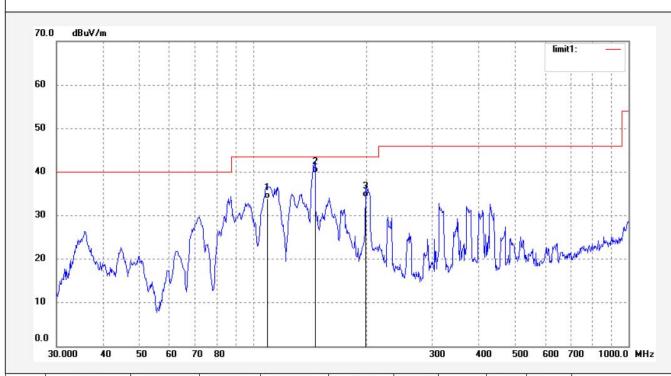
Manufacturer: IMC

Note: Report No:ATE20140927

Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 14/06/14/
Time: 13/47/12
Engineer Signature:
Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	109.0285	56.21	-22.31	33.90	43.50	-9.60	QP			
2	146.3735	63.54	-23.73	39.81	43.50	-3.69	QP			
3	199.2855	54.54	-20.27	34.27	43.50	-9.23	QP			



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Job No.: alen #4399

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 7" 3G Tablet

Mode: TX 2480MHz

Model: BOAD XT-71BG

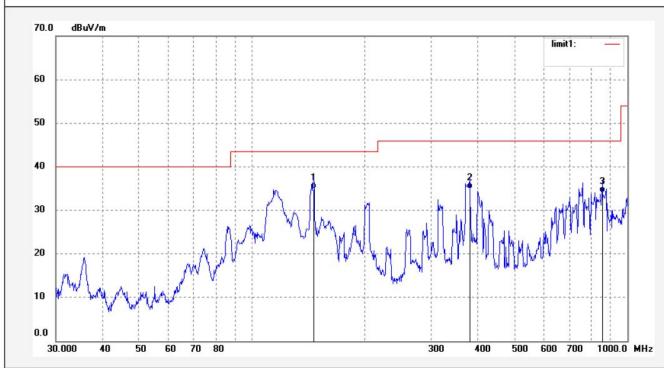
Manufacturer: IMC

Note: Report No:ATE20140927

Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 14/06/14/ Time: 13/45/25 Engineer Signature: Distance: 3m



No	Freq.	Reading	Factor	Result	Limit	Margin	Detector	Height	Degree	Remark	
No.	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector	(cm)	(deg.)	Remark	
1	145.8611	58.69	-23.72	34.97	43.50	-8.53	QP				
2	379.9141	50.65	-15.78	34.87	46.00	-11.13	QP				
3	857.0247	40.86	-6.86	34.00	46.00	-12.00	QP				





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Job No.: alen #4398

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 7" 3G Tablet
Mode: TX 2480MHz
Model: BOAD XT-71BG

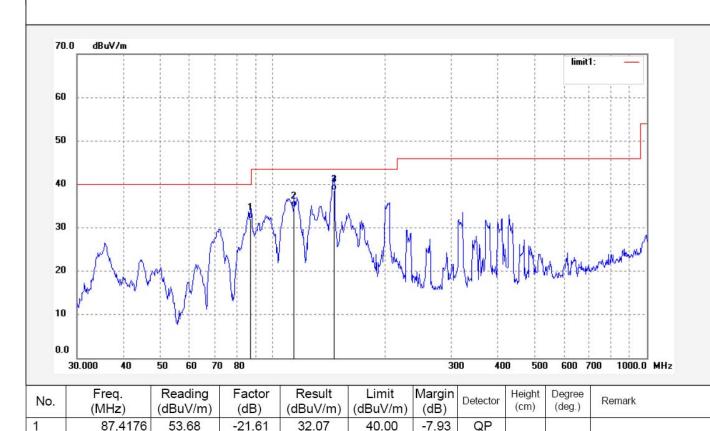
Manufacturer: IMC

Note: Report No:ATE20140927

Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 14/06/14/
Time: 13/44/19
Engineer Signature:
Distance: 3m



114.1137

145.8610

57.01

62.38

-22.31

-23.72

34.70

38.66

43.50

43.50

-8.80

-4.84

QP

QP

2

3



Above 1GHz

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Job No.: alen #1511

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> Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 14/06/14/ Time: 9/05/16

Distance: 3m

Engineer Signature:

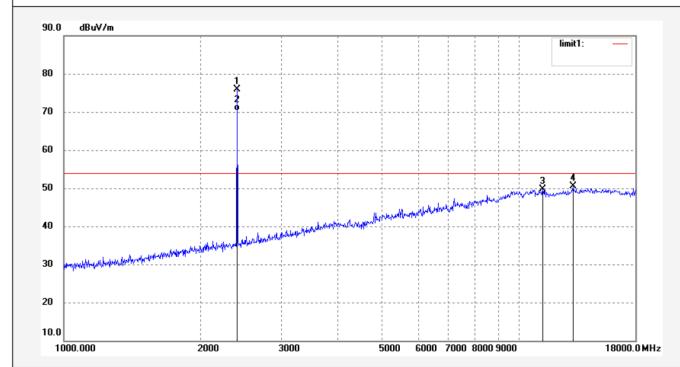
Standard: FCC Class B 3M Radiated Test item: Radiation Test

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

EUT: 7" 3G Tablet Mode: TX 2402MHz Model: **BOAD XT-71BG**

Manufacturer: IMC

Note: Report No.:ATE20140927



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2400.753	82.70	-6.76	75.94	54.00	21.94	peak			
2	2400.753	77.01	-6.76	70.25	54.00	16.25	AVG			
3	11269.856	43.84	5.80	49.64	54.00	-4.36	peak			
4	13135.536	42.25	8.19	50.44	54.00	-3.56	peak			



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Job No.: alen #1510

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 7" 3G Tablet

Mode: TX 2402MHz

Model: BOAD XT-71BG

Manufacturer: IMC

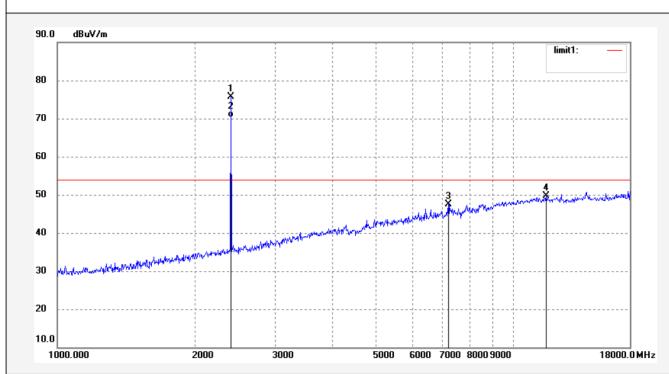
Note: Report No.:ATE20140927

Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 14/06/14/ Time: 9/04/41 Engineer Signature:

Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2400.753	82.38	-6.76	75.62	54.00	21.62	peak			
2	2400.753	77.12	-6.76	70.36	54.00	16.36	AVG			
3	7200.309	46.14	1.29	47.43	54.00	-6.57	peak			
4	11803.280	43.41	6.32	49.73	54.00	-4.27	peak			



Job No.: alen #1512

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Polarization: Horizontal

Standard: FCC Class B 3M Radiated Power Source: AC 120V/60Hz

 Test item:
 Radiation Test
 Date: 14/06/14/

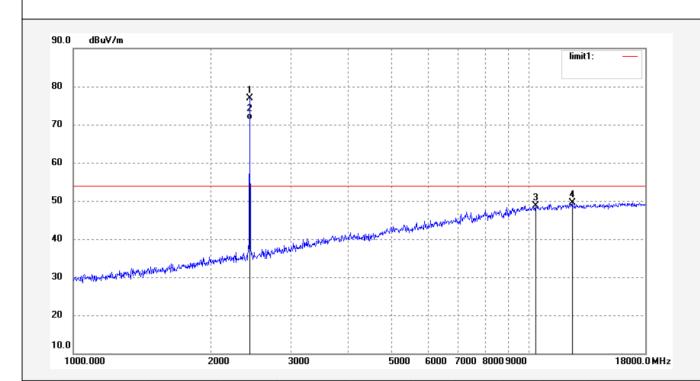
 Temp.(C)/Hum.(%) 25 C / 55 %
 Time: 9/06/43

 EUT:
 7" 3G Tablet
 Engineer Signature:

Mode: TX 2440MHz Distance: 3m Model: BOAD XT-71BG

Manufacturer: IMC

Note: Report No.:ATE20140927



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2435.701	83.65	-6.67	76.98	54.00	22.98	peak			
2	2435.701	77.99	-6.67	71.32	54.00	17.32	AVG			
3	10333.803	43.42	5.26	48.68	54.00	-5.32	peak			
4	12433.621	42.47	7.06	49.53	54.00	-4.47	peak			



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Job No.: alen #1513

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 7" 3G Tablet

Mode: TX 2440MHz

Model: BOAD XT-71BG

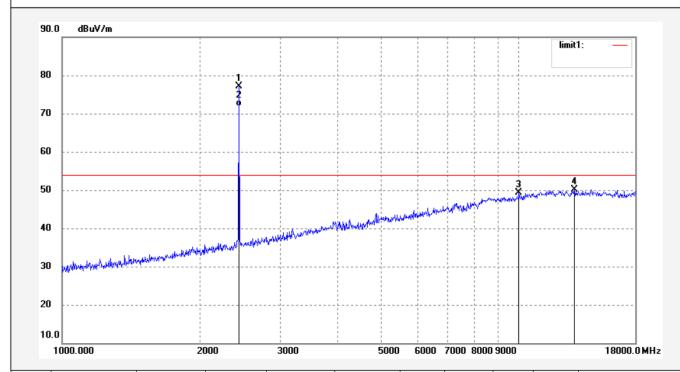
Note: Report No.:ATE20140927

Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 14/06/14/
Time: 9/07/21
Engineer Signature:
Distance: 3m

Manufacturer: IMC



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2435.701	83.78	-6.67	77.11	54.00	23.11	peak			
2	2435.701	78.54	-6.67	71.87	54.00	17.87	AVG			
3	10010.417	43.92	5.32	49.24	54.00	-4.76	peak			
4	13249.931	41.62	8.46	50.08	54.00	-3.92	peak			



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Job No.: alen #1515

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 7" 3G Tablet

Mode: TX 2480MHz

Model: BOAD XT-71BG

Manufacturer: IMC

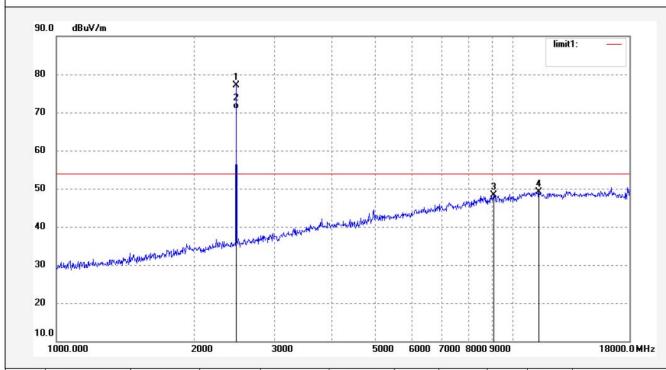
Note: Report No.:ATE20140927

Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 14/06/14/ Time: 9/09/37 Engineer Signature:

Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2478.310	83.62	-6.56	77.06	54.00	23.06	peak			
2	2478.310	77.54	-6.56	70.98	54.00	16.98	AVG			
3	9073.460	44.66	3.67	48.33	54.00	-5.67	peak			
4	11400.908	43.08	5.94	49.02	54.00	-4.98	peak			



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Job No.: alen #1514

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 7" 3G Tablet

Mode: TX 2480MHz

Model: BOAD XT-71BG

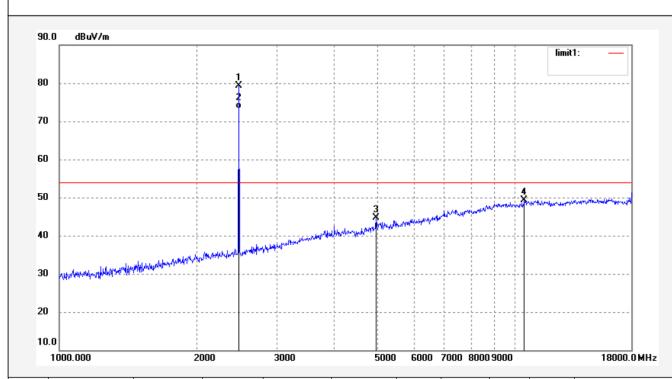
Manufacturer: IMC

Note: Report No.:ATE20140927

Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 14/06/14/
Time: 9/08/57
Engineer Signature:
Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2478.310	85.85	-6.56	79.29	54.00	25.29	peak			
2	2478.310	79.78	-6.56	73.22	54.00	19.22	AVG			
3	4959.307	45.91	-1.12	44.79	54.00	-9.21	peak			
4	10484.230	44.01	5.20	49.21	54.00	-4.79	peak			

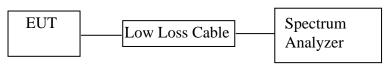


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11. CONDUCTED SPURIOUS EMISSION COMPLIANCE TEST

11.1.Block Diagram of Test Setup



(EUT: 7 inch 3G TABLET)

11.2. The Requirement of 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).

11.3.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.



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11.4.Operating Condition of EUT

- 11.4.1. Setup the EUT and simulator as shown as Section 11.1.
- 11.4.2. Turn on the power of all equipment.
- 11.4.3.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.

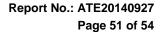
11.5.Test Procedure

- 11.5.1.The transmitter output was connected to the spectrum analyzer via a low loss cable.
- 11.5.2.Set RBW of spectrum analyzer to 100kHz and VBW to 300kHz
- 11.5.3. The Conducted Spurious Emission was measured and recorded.

11.6.Test Result

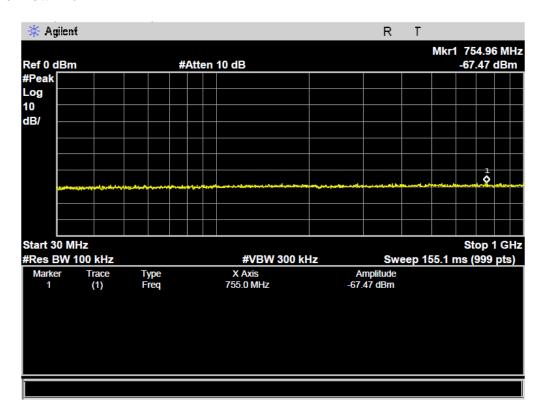
Pass.

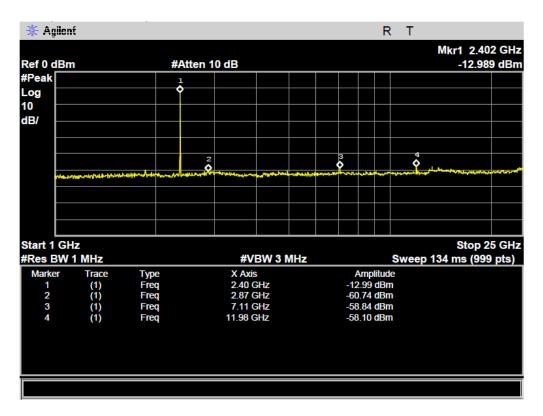
The spectrum analyzer plots are attached as below.

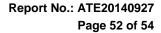




BLE Channel Low 2402MHz

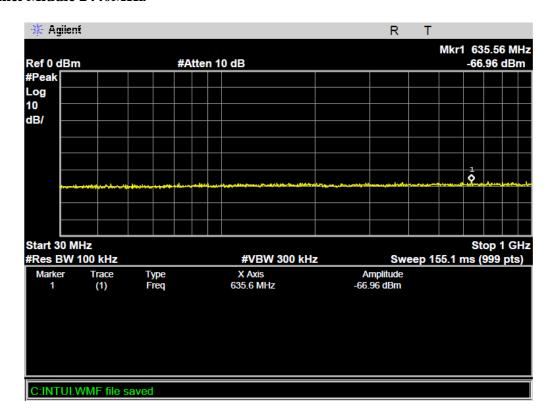


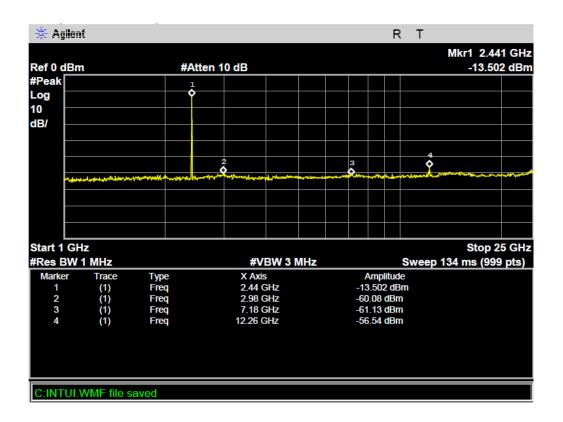






BLE Channel Middle 2440MHz



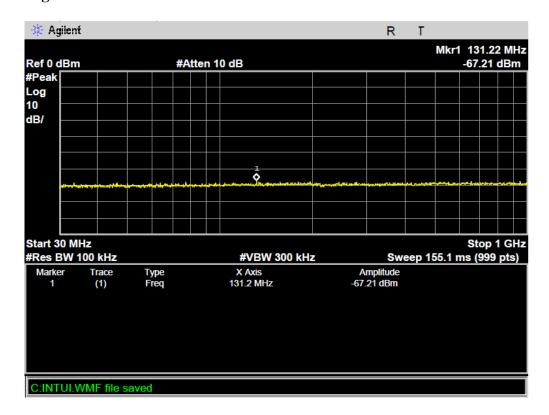


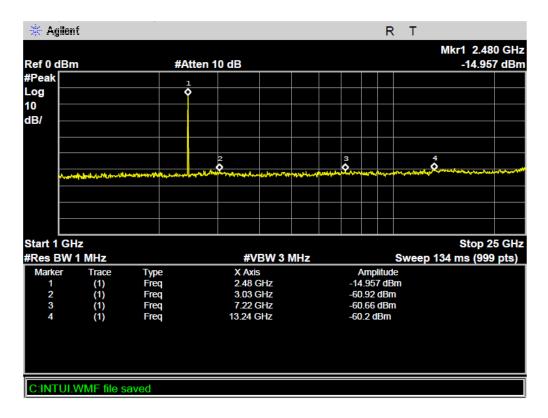






BLE Channel High 2480MHz







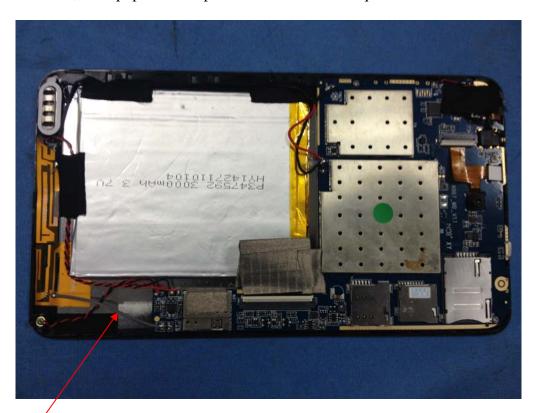
12.ANTENNA REQUIREMENT

12.1.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.

12.2.Antenna Construction

Device is equipped with unique antenna, which isn't displaced by other antenna. Therefore, the equipment complies with the antenna requirement of Section 15.203.



Antenna