

Shenzhen Huatongwei International Inspection Co., Ltd.

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TEST REPORT

Report Reference No.....: TRE1507002103 R/C.......:47871

FCC ID.....: 2AAP6M1042

Applicant's name.....: SHENZHEN ZOWEE TECHNOLOGY CO., LTD.

Address . Science & Technology Industrial Park of Privately

PR CHINA

Manufacturer...... SHENZHEN ZOWEE TECHNOLOGY CO., LTD.

Address..... Science &Technology Industrial Park of Privately

Owned Enterprises, Pingshan, Xili, Nanshan District, Shenzhen,

PR CHINA

Test item description: Tablet PC

Trade Mark NUVISION,TMAX,DOPO,NOBIS,APEX

Model/Type reference...... TM101W535L

Standard FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of receipt of test sample............ May 12, 2015

Date of testing...... May 12, 2015 – July 13, 2015

Date of issue...... July 13, 2015

Result...... PASS

Compiled by

(position+printedname+signature)...: File administrators Any Yang

7 7

Supervised by

(position+printed name+signature)..: Project Engineer Lion Cai

Cion Car

Approved by

(position+printed name+signature)..: RF Manager Hans Hu

Testing Laboratory Name: Shenzhen Huatongwei International Inspection Co., Ltd

China

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1. APPLICABLE STANDARDS AND TEST DESCRIPTION

1.1. Applicable Standards

The tests were performed according to following standards: FCC Rules Part 15.247: Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz.

ANSI C63.10-2013: American National Standard for Testing Unlicensed Wireless Devices

<u>KDB558074 D01 V03R02:</u> Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS)

1.2. Test Description

Report Section	Test Item	FCC Rule	Result
4.1	Antenna requirement	15.203/15.247 (c)	Pass
4.2	Line Conducted Emission (AC Main)	15.207	Pass
4.3	Spurious Emission	15.247(d)/15.209	Pass

Remark: The measurement uncertainty is not included in the test result.

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2. **SUMMARY**

2.1. Client Information

Applicant:	SHENZHEN ZOWEE TECHNOLOGY CO., LTD.
Address:	Science &Technology Industrial Park of Privately Owned Enterprises, Pingshan, Xili, Nanshan District, Shenzhen, PR CHINA
Manufacturer:	SHENZHEN ZOWEE TECHNOLOGY CO., LTD.
Address:	Science &Technology Industrial Park of Privately Owned Enterprises, Pingshan, Xili, Nanshan District, Shenzhen, PR CHINA

2.2. Product Description

Name of EUT	Tablet PC	
Trade Mark:	NUVISION,TMAX,DOPO,NOBIS,APEX	
Model No.:	TM101W535L	
Listed Model(s):	DPW10A,DPW10B,NBW1027,M1042,M1059,M1059A1	
Power supply:	DC 3.7V From internal battery	
Adapter information: Model: TEKA018-0522500UK Input:100-240Va.c., 50/60Hz,0.5A Output: 5.2Vd.c.,2.5A		
Divoto oth		
Bluetooth		
Version:	Supported BT4.0+BLE	
	Supported BT4.0+BLE GFSK	
Version:	• • •	
Version: Modulation:	GFSK	
Version: Modulation: Operation frequency:	GFSK 2402MHz~2480MHz	
Version: Modulation: Operation frequency: Channel number:	GFSK 2402MHz~2480MHz 40	

Report Version:

This copy was issued base on TRE1505006203(Issued data:2015-05-18), the adapter and the LCD Screen have been changed ,so the data of test item Conducted Emission and Spurious Emission (radiated) were updated. Others data was same as original report.

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2.3. Operation state

♦ Test frequency list

According to section 15.31(m), regards to the operating frequency range over 10 MHz, must select three channel which were tested. the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, please see the above gray bottom.

Channel	Frequency (MHz)
00	2402
02	2404
i i	:
19	2440
i i	i i
38	2478
39	2480

♦ Test mode

For RF test items:

the engineering test program was provided and enabled to make EUT continuous transmit/receive.

For AC power line conducted emissions:

the EUT was set to connect with the WLAN AP under large package sizes transmission.

2.4. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

supplied by the manufacturer

O - supplied by the lab

0	Power Cable	Length (m):	/
		Shield :	/
		Detachable :	/
0	Multimeter	Manufacturer:	/
		Model No. :	/

2.5. Modifications

No modifications were implemented to meet testing criteria.

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3. TEST ENVIRONMENT

3.1. Address of the test laboratory

Laboratory: Shenzhen Huatongwei International Inspection Co., Ltd. (Gongming) Address: Bldg3, Hongfa Hi-tech Industrial Park, Genyu Road, Shenzhen, China Phone: 86-755-26748019 Fax: 86-755-26748089

3.2. Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS-Lab Code: L1225

Shenzhen Huatongwei International Inspection Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories, Date of Registration: Mar. 01, 2012. Valid time is until February 28, 2015.

A2LA-Lab Cert. No. 2243.01

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing. Valid time is until Sept 30, 2015.

FCC-Registration No.: 662850

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Registration 662850, Renewal date Jul. 01, 2012, valid time is until Jun. 01, 2015.

FCC-Registration No.: 317478

Shenzhen Huatongwei International Inspection Co., Ltd. (Gongming EMC Laboratory) has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Registration 317478, Renewal date July 18, 2014, valid time is until July. 18, 2017.

IC-Registration No.: 5377A

The 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 5377A on Dec. 31, 2013, valid time is until Dec. 31, 2016.

IC-Registration No.: 5377B

The 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd. (Gongming EMC Laboratory) has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 5377B on September 3, 2014, valid time is until September 3, 2017.

ACA

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory can also perform testing for the Australian C-Tick mark as a result of our A2LA accreditation.

VCCI

The 3m Semi-anechoic chamber (12.2mx7.95mx6.7m) of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.:R-2484. Date of Registration: Dec. 20, 2012. Valid time is until Dec. 29, 2015.

Radiated disturbance above 1GHz measurement of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-292. Date of Registration: Dec. 24, 2013. Valid time is until Dec. 23, 2016.

Main Ports Conducted Interference Measurement of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: C-2726. Date of Registration: Dec. 20, 2012. Valid time is until Dec. 19, 2015.

Telecommunication Ports Conducted Interference Measurement of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: T-1837. Date of Registration: May 07, 2013. Valid time is until May 06, 2016.

DNV

Shenzhen Huatongwei International Inspection Co., Ltd. has been found to comply with the requirements of DNV towards subcontractor of EMC and safety testing services in conjunction with the EMC and Low voltage Directives and in the voluntary field. The acceptance is based on a formal quality Audit and follow-ups according to relevant parts of ISO/IEC Guide 17025 (2005), in accordance with the requirements of the DNV Laboratory Quality Manual towards subcontractors. Valid time is until Aug. 24, 2016.

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3.3. Equipments Used during the Test

Cond	Conducted Emission (AC Main)					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal	
1	Artificial Mains	Rohde&Schwarz	ESH2-Z5	100028	2014/11/01	
2	EMI Test Receiver	Rohde&Schwarz	ESCI3	100038	2014/11/01	
3	Pulse Limiter	Rohde&Schwarz	ESHSZ2	100044	2014/11/01	
4	EMI Test Software	Rohde&Schwarz	ES-K1 V1.71	N/A	N/A	

Radia	Radiated Emission					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal	
1	Ultra-Broadband Antenna	ShwarzBeck	VULB9163	538	2014/11/01	
2	EMI TEST RECEIVER	Rohde&Schwarz	ESI 26	100009	2014/11/01	
3	EMI TEST Software	Audix	E3	N/A	N/A	
4	TURNTABLE	ETS	2088	2149	N/A	
5	ANTENNA MAST	ETS	2075	2346	N/A	
6	EMI TEST Software	Rohde&Schwarz	ESK1	N/A	N/A	
7	HORN ANTENNA	ShwarzBeck	9120D	1011	2014/11/01	
8	Amplifer	Sonoma	310N	E009-13	2014/11/01	
9	JS amplifer	Rohde&Schwarz	JS4-00101800- 28-5A	F201504	2014/11/01	
10	High pass filter	Compliance Direction systems	BSU-6	34202	2014/11/01	
11	HORN ANTENNA	ShwarzBeck	9120D	1012	2014/11/01	
12	Amplifer	Compliance Direction systems	PAP1-4060	120	2014/11/01	
13	Loop Antenna	Rohde&Schwarz	HFH2-Z2	100020	2014/11/01	
14	TURNTABLE	MATURO	TT2.0		N/A	
15	ANTENNA MAST	MATURO	TAM-4.0-P		N/A	
16	Horn Antenna	SCHWARZBECK	BBHA9170	25841	2014/11/01	
17	ULTRA-BROADBAND ANTENNA	Rohde&Schwarz	HL562	100015	2014/11/01	

	Maximum Peak Output Power / Power Spectral Density / 6dB Bandwidth / Band Edge Compliance of RF Emission / Spurious RF Conducted Emission				
Item	Item Test Equipment Manufacturer Model No. Serial No. Last Cal				
1	Spectrum Analyzer	Rohde&Schwarz	FSP	1164.4391.40	2014/11/01

The Cal.Interval was one year

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3.4. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15~35°C
lative Humidity:	30~60 %
Air Pressure:	950~1050mba

3.5. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01" Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics;Part 1" and TR-100028-02 "Electromagnetic compatibilityand Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics;Part 2 " and is documented in the Shenzhen Huatongwei International Inspection Co., Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen Huatongwei laboratory is reported:

Test Items	Measurement Uncertainty	Notes
Transmitter power conducted	0.57 dB	(1)
Transmitter power Radiated	2.20 dB	(1)
Conducted spurious emission 9KHz-40 GHz	1.60 dB	(1)
Radiated spurious emission 9KHz-40 GHz	2.20 dB	(1)
Conducted Emission 9KHz-30MHz	3.39 dB	(1)
Radiated Emission 30~1000MHz	4.24 dB	(1)
Radiated Emissio 1~18GHz	5.16 dB	(1)
Radiated Emissio 18-40GHz	5.54 dB	(1)
Occupied Bandwidth		(1)

⁽¹⁾ This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

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4. TEST CONDITIONS AND RESULTS

4.1. Antenna requirement

Requirement

FCC CFR Title 47 Part 15 Subpart C 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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1)(i):

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

Test Result:

The antenna is integral antenna, the best case gain of the antenna is 0.72dBi



WIFI/BT Antenna

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4.2. Conducted Emission (AC Main)

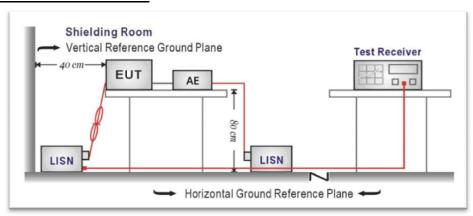
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.207

Frequency range (MHz)	Limit (dBuV)		
	Quasi-peak	Average	
0.15-0.5	66 to 56*	56 to 46*	
0.5-5	56	46	
5-30	60	50	

^{*} Decreases with the logarithm of the frequency.

TEST CONFIGURATION



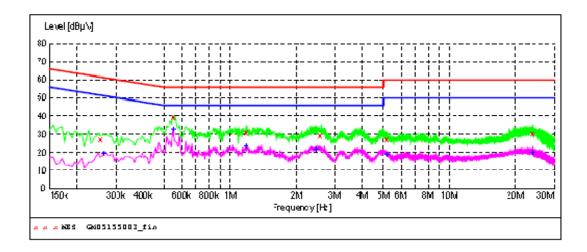
TEST PROCEDURE

- 1. The EUT was setup according to ANSI C63.4: 2014 and tested according to ANSI C63.10: 2013 for compliance to FCC 47CFR 15.247 requirements.
- 2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
- 3. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment.
- 4. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
- 5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
- 6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
- 7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

TEST RESULTS

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Test mode:	BT	Polarization	1
7000777040.	, 	, olarization	_



NEASUREMENT RESULT: "GM05155003_fin"

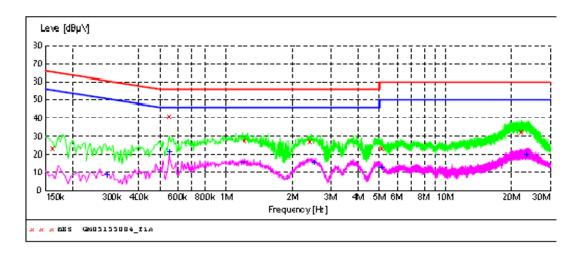
5/1	.5/2015	10:02	AM						
	Frequence	ry	Level	Transd	Limit	Margin	Detector	Line	PE
	30	Hz	dΒμV	dΕ	ďΒμV	dB			
	0.2550	00	26.80	10.2	62	34.8	QP	Ll	GND
	0.55000	00	39.10	10.2	56	16.9	QP	Ll	GMD
	1.1750	00	30.80	10.2	56	25.2	QP	Ll	GMD
	2.56000	00	29.40	10.3	56	26.6	QP	Ll	GMD
	5.1500	00	26.80	10.4	60	33.2	QP	Ll	GND
	23.8350	00	30.10	11.0	60	29.9	QP	Ll	GMD

NEASUREMENT RESULT: "GM05155003_fin2"

5/15/2015	10:02AM						
Frequen M	cy Level		Limit dBµV	Margin dB	Detector	Line	PE
0.2650	00 19.90	10.2	51	31.4	AV	Ll	GMD
0.5500	00 33.00	10.2	46	13.0	AV	Ll	GMD
1.1750	00 23.50	10.2	46	22.5	AV	Ll	GMD
2.4500	00 22.10	10.3	46	23.9	AV	Ll	GMD
5.2100	00 19.10	10.4	50	30.9	AV	Ll	GMD
23.7950	00 20.30	11.0	50	29.7	AV	Ll	GND

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Test mode:	BT	Polarization	N
root mode.	01	1 Clarization	, v



MEASUREMENT RESULT: "GM05155004_fin"

5/	15/2015	10:06AM						
	Frequenc	ry Lev	el Trans	d Limit	Margin	Detector	line	P3
	_ MI	Hz dB	μVi d	B ďBμV	ďB			
	0.16000	00 23.0	OC 10.	2 66	42.5	QP	I	GMD
	0.55000	00 40.3	8C 1O.	2 56	15.2	QP	I	GMD
	1.21000	00 27.	70 10.	2 56	28.3	QP	I	GMD
	2.40500	00 26.9	8C 1O.	3 56	29.2	QP	П	GMD
	5.13500	00 23.;	20 10.	4 60	36.8	QP	11	GND
	22.08500	00 32.	70 11.	0 60	27.3	QP	I	GND

MEASUREMENT RESULT: "GM05155004_fin2"

5/15/2015	10:0	6AM						
Freque	ncy MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	line	Þ3
0.289	000	9.00	10.2	51	41.7	AV	I	GMD
0.550	000	21.80	10.2	46	24.2	AV	II	GMD
1.195	000	16.20	10.2	46	29.8	AV	I	GMD
2.519	000	16.10	10.3	46	29.9	AV	11	GMD
5.160	000	13.20	10.4	50	36.8	AV	I	GMD
23.429	000	20.20	11.0	50	29.8	AV	I	GND

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4.3. Spurious Emission (radiated)

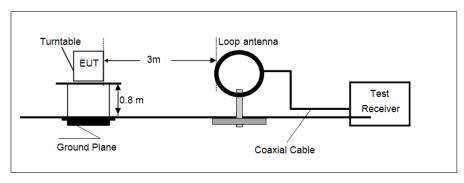
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.209

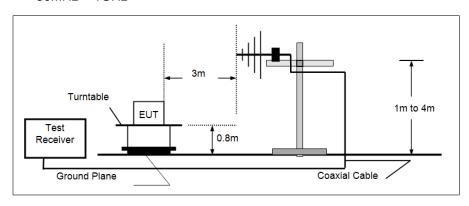
Frequency	Limit (dBuV/m @3m)	Value
30MHz-88MHz	40.00	Quasi-peak
88MHz-216MHz	43.50	Quasi-peak
216MHz-960MHz	46.00	Quasi-peak
960MHz-1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
Above IGHZ	74.00	Peak

TEST CONFIGURATION

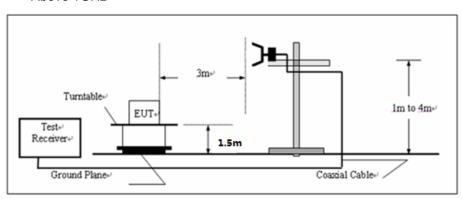
● 9KHz ~30MHz



● 30MHz ~ 1GHz



Above 1GHz



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TEST PROCEDURE

- 1. The EUT was setup according to ANSI C63.4: 2014 and tested according to ANSI C63.10:2013 for compliance to FCC 47CFR 15.247 requirements.
- 2. The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
- 4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4:2014 on radiated measurement.
- Use the following spectrum analyzer settings
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Below 1GHz, RBW=120KHz, VBW=300KHz, Sweep=auto, Detector function=peak, Trace=max hold; If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the guasi-peak detector and reported.
 - (3) Above 1GHz, RBW=1MHz, VBW=3MHz for Peak value RBW=1MHz, VBW=10Hz for Average value.

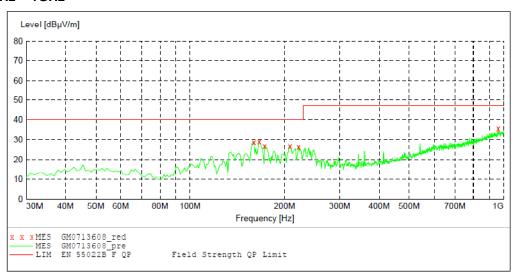
TEST RESULTS

Measurement data:

■ 9kHz ~ 30MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

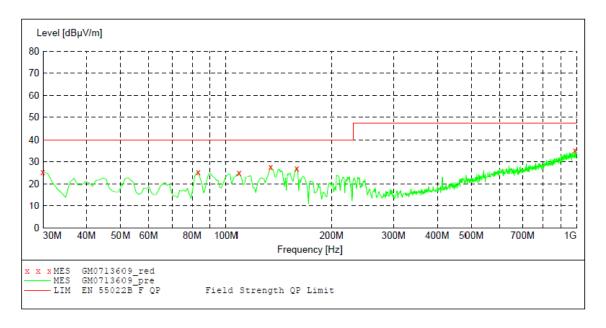
■ 30MHz ~ 1GHz



MEASUREMENT RESULT: "GM0713608_red"

7/13/2013	10:02AM							
Frequenc MF	-		Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
159.98000 165.80000		-17.2 -16.8	40.0	11.4 11.1	QP OP	100.0	194.00 194.00	HORIZONTAL HORIZONTAL
172.59000		-16.3 -13.9	40.0	13.1	QP	100.0	194.00 159.00	HORIZONTAL HORIZONTAL
222.06000 960.23000	26.40		40.0	13.6 11.5	QP QP	100.0	194.00 355.00	HORIZONTAL HORIZONTAL

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MEASUREMENT RESULT: "GM0713609_red"

7/13/2013 10:	05AM							
Frequency MHz	Level dBµV/m		Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
30.000000	25.40	-16.8	40.0	14.6	QP	100.0	275.00	VERTICAL
83.350000	25.40	-17.8	40.0	14.6	QP	100.0	275.00	VERTICAL
108.570000	25.10	-15.0	40.0	14.9	QP	100.0	180.00	VERTICAL
133.790000	27.70	-17.6	40.0	12.3	QP	100.0	275.00	VERTICAL
159.010000	27.20	-17.2	40.0	12.8	QP	100.0	65.00	VERTICAL
989.330000	35.20	4.4	47.0	11.8	QP	100.0	65.00	VERTICAL

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■ Above 1GHz

				CH00	for BT-BLE				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
4433.26	39.17	30.73	8.94	38.29	40.55	74.00	-33.45	Vertical	
6561.03	35.86	35.18	10.39	37.99	43.44	74.00	-30.56	Vertical	
10400.86	36.48	38.63	12.81	38.14	49.78	74.00	-24.22	Vertical	
12110.00	*							Vertical	Dook
4664.81	40.99	31.01	9.10	38.44	42.06	74.00	-31.94	Horizontal	Peak
6747.34	36.65	35.46	10.55	38.02	44.64	74.00	-29.36	Horizontal	
9636.16	37.39	38.18	12.14	38.07	49.64	74.00	-24.36	Horizontal	
12110.00	*							Horizontal	
4433.26	36.26	30.73	8.94	38.29	37.64	54.00	-16.36	Vertical	
6561.03	26.84	35.18	10.39	37.99	34.42	54.00	-19.58	Vertical	
10400.86	31.57	38.63	12.81	38.14	44.87	54.00	-9.13	Vertical	
12110.00	*							Vertical	Averege
4664.81	30.39	31.01	9.10	38.44	32.06	54.00	-21.94	Horizontal	Average
6747.34	28.47	35.46	10.55	38.02	36.46	54.00	-17.54	Horizontal	
9636.16	37.39	38.18	12.14	38.07	44.46	54.00	-9.54	Horizontal	
12110.00	*							Horizontal	

				CH19	for BT-BLE				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
4882.00	38.82	31.26	5.65	35.27	40.46	74.00	-33.54	Vertical	
7323.00	35.63	36.2	6.86	35.13	43.56	74.00	-30.44	Vertical	
9764.00	38.78	37.83	8.79	35.53	49.87	74.00	-24.13	Vertical	
12205.00	*							Vertical	Peak
4882.00	38.88	31.26	5.65	35.27	40.52	74.00	-33.48	Horizontal	reak
7323.00	37.05	36.2	6.86	35.13	44.98	74.00	-29.02	Horizontal	
9764.00	38.54	37.83	8.79	35.53	49.63	74.00	-24.37	Horizontal	
12205.00	*							Horizontal	
4882.00	37	31.26	5.65	35.27	38.64	54.00	-15.36	Vertical	
7323.00	25.72	36.2	6.86	35.13	33.65	54.00	-20.35	Vertical	
9764.00	34.69	37.83	8.79	35.53	45.78	54.00	-8.22	Vertical	
12205.00	*							Vertical	Average
4882.00	27.61	31.26	5.65	35.27	29.25	54.00	-24.75	Horizontal	Average
7323.00	28.96	36.2	6.86	35.13	36.89	54.00	-17.11	Horizontal	
9764.00	33.27	37.83	8.79	35.53	44.36	54.00	-9.64	Horizontal	
12205.00	*							Horizontal	

Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "*", means this data is the too weak instrument of signal is unable to test.
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.

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CH39 for BT-BLE										
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value	
4354.97	39.18	30.51	8.88	38.24	40.33	74.00	-33.67	Vertical		
6561.03	36.02	35.18	10.39	37.99	43.6	74.00	-30.40	Vertical		
8904.99	36.43	37.80	11.59	37.97	47.85	74.00	-26.15	Vertical		
12380.00	*							Vertical	Dools	
4664.81	39.16	31.01	9.10	38.44	40.83	74.00	-33.17	Horizontal	Peak	
6851.19	37.21	35.60	10.64	38.04	45.41	74.00	-28.59	Horizontal		
9636.16	37.33	38.18	12.14	38.07	49.58	74.00	-24.42	Horizontal		
12380.00	*							Horizontal		
4354.97	29.18	30.51	8.88	38.24	30.33	54.00	-23.67	Vertical		
6561.03	28.72	35.18	10.39	37.99	36.3	54.00	-17.70	Vertical		
8904.99	31.16	37.80	11.59	37.97	42.58	54.00	-11.42	Vertical		
12380.00	*							Vertical	Average	
4664.81	28.71	31.01	9.10	38.44	30.38	54.00	-23.62	Horizontal	Average	
6851.19	29.94	35.60	10.64	38.04	38.14	54.00	-15.86	Horizontal		
9636.16	33.60	38.18	12.14	38.07	45.85	54.00	-8.15	Horizontal		
12380.00	*							Horizontal		

Remark:

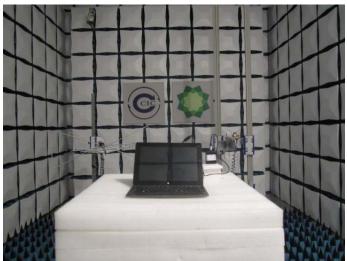
- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "*", means this data is the too weak instrument of signal is unable to test.
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.

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5. Test Setup Photos of the EUT

Radiated Emission





Conducted Emission (AC Mains)



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6. External and Internal Photos of the EUT

Reference to Test Report TRE1505006201
End of Report