

Partial FCC RF Test Report

APPLICANT : Franklin Technology EQUIPMENT : 4G USB adapter

BRAND NAME : Franklin MODEL NAME : \$600W

FCC ID : XHG-S600W

STANDARD : 47 CFR Part 2, 27(M)

CLASSIFICATION : PCS Licensed Transmitter (PCB)

TX FREQUENCY RANGE : 2496 MHz ~ 2690 MHz Rx FREQUENCY RANGE : 2496 MHz ~ 2690 MHz

MAX. EIRP POWER : 0.25 W (QPSK, BW 5MHz)

0.22 W (QPSK, BW 10MHz) 0.26 W (16QAM, BW 5MHz) 0.22 W (16QAM, BW 10MHz)

This is a partial report which is only valid combined with the integrated the 4G Module (Brand Name: Franklin / Model Name: M600W, FCC ID: XHG-M600W) Report.

The product was received on Mar. 10, 2011 and completely tested on Apr. 01, 2011. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.4-2003 and 47 CFR FCC Part 27 Subpart M and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by:

Roy Wu / Manager



Page Number

Report Version



: 1 of 22

: Rev. 01

Report Issued Date: Apr.12, 2011

Report No.: FG131021-01

SPORTON INTERNATIONAL INC.

No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG131021-01	Rev. 01	Initial issue of report	Apr.12, 2011

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SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	§27.50	Equivalent Isotropic Radiated Power	< 2 Watts	PASS	-
3.2	§2.1053 §27.53	Field Strength of Spurious Radiation	< 55+10log ₁₀ (P[Watts])	PASS	Under limit 8.89 dB at 7779 MHz

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1 General Description

1.1 Applicant

Franklin Technology

906 JEI Platz, 459-11 Gasan-dong, Guncheon-gu, Seoul, Korea

1.2 Manufacturer

U-Media Communications, Inc.

9F, No. 1, Jin-shan 8th St., Hsinchu 300, Taiwan, R.O.C.

1.3 Feature of Equipment Under Test

Product Feature & Specification				
Equipment	4G USB adapter			
Brand Name	Franklin			
Model Name	S600W			
FCC ID	XHG-S600W			
Integrated Module	Brand Name : Franklin Model Name : M600W			
Tx Frequency	2496 MHz ~ 2690 MHz			
Rx Frequency	2496 MHz ~ 2690 MHz			
Channel Bandwidth	5MHz / 10MHz			
Maximum Output Power to Antenna	21.75 dBm (QPSK, BW 5MHz) 21.23 dBm (QPSK, BW 10MHz) 21.70 dBm (16QAM, BW 5MHz) 21.26 dBm (16QAM, BW 10MHz)			
Maximum EIRP	0.25 W (24.03 dBm) (QPSK, BW 5MHz) 0.22 W (23.43 dBm) (QPSK, BW 10MHz) 0.26 W (24.08 dBm) (16QAM, BW 5MHz) 0.22 W (23.49 dBm) (16QAM, BW 10MHz)			
Antenna Type	detachable SMA dipole antenna			
Type of Modulation	Uplink: OFDMA (QPSK / 16QAM / 64QAM)			
EUT Stage	Identical Prototype			

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Remark:

- 1. For other wireless features of this EUT, the test report will be issued separately.
- 2. This test report recorded only product characteristics and test results of PCS Licensed Transmitter (PCB).
- **3.** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

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1.4 Testing Site

Test Site	SPORTON INTERNATIONAL INC.			
	No. 52, Hwa Ya 1 st Rd., Hwa Ya Technology Park,			
Test Site Location	Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.			
Test Site Location	TEL: +886-3-327-3456			
	FAX: +886-3-328-4978			
Test Site No.	Sporton Site No. FCC / IC Registration			
Test Site No.	03CH05-HY	722060/4086B-1		

1.5 Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR Part 2, 27(M)
- ANSI C63.4-2003
- ANSI TIA-603-C-2004

Remark:

- 1. All test items were verified and recorded according to the standards and without any deviation during the test.
- 2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B (DoC), recorded in a separate test report.

1.6 Ancillary Equipment List

	ltem	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
I	1.	System Simulator	Agilent	E6651A	N/A	N/A	Unshielded, 1.8 m

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2 Test Configuration of Equipment Under Test

2.1 Test Mode

Preliminary tests were performed in different data rate to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range.

Test Modes						
Band	Radiated TCs	Conducted TCs				
	■ QPSK, BW 5MHz Link	■ QPSK, BW 5MHz Link				
802.16e	■ QPSK, BW 10MHz Link	■ QPSK, BW 10MHz Link				
(Modulation : OFDMA)	■ 16QAM, BW 5MHz Link	■ 16QAM, BW 5MHz Link				
	■ 16QAM, BW 10MHz Link	■ 16QAM, BW 10MHz Link				

Note:

- The maximum average power levels are on zone type, QPSK and coding rate, 1/2 mode for QPSK, BW 5MHz, QPSK, BW 10MHz, 16QAM, BW 5MHz, and 16QAM, BW 10MHz Link; only these modes were used for all tests.
- Only the radiated emission, ERP, and EIRP of the 4G module were performed in this report, and the conducted test cases can be referred to Franklin module report (FCC ID: XHG-M600W).

The conducted power tables are as follows:

	Average Conducted Power (*Unit: dBm)							
	Madalatiaa	7	011	Main A	ntenna	Aux. Antenna		
Channel	Modulation Type	Zone Type	Coding Rate	5MHz Bandwidth	10MHz Bandwidth	5MHz Bandwidth	10MHz Bandwidth	
Low	QPSK	PUSC	1/2	21.54	21.03	21.70	21.17	
Low	QP5K	PUSC	3/4	21.53	21.02	21.69	21.13	
Middle	OBSK	PUSC	1/2	21.66	21.15	21.49	20.99	
Middle	QPSK		3/4	21.65	21.14	21.49	20.98	
Himb	OPOK	DUCC	1/2	<mark>21.75</mark>	<mark>21.23</mark>	21.35	20.88	
High	QPSK	PUSC	3/4	21.71	21.20	21.34	20.87	
1	460AM	DUICC	1/2	21.51	21.05	21.66	21.16	
Low	16QAM	PUSC	3/4	21.39	20.90	21.58	21.08	
Middle	460 AM	DUCC	1/2	21.62	21.15	21.57	20.96	
Middle	16QAM	PUSC	3/4	21.54	21.03	21.38	20.83	
Llimb	160 AM	M PUSC	1/2	<mark>21.70</mark>	<mark>21.26</mark>	21.33	20.81	
High	16QAM		3/4	21.59	21.15	21.18	20.71	

Note: PAR = Peak to Average Ratio

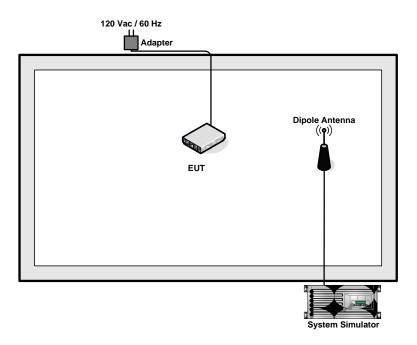
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2.2 Connection Diagram of Test System



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3 Test Result

3.1 Effective Isotropic Radiated Power Measurement

3.1.1 Test Result of Effective Isotropic Radiated Power

802.16e (QPSK, BW 5MHz) Radiated Power (EIRP)						
		Horizontal Polarization				
Channel	LVL	Correction Factor	EIRP	EIRP		
Channel	(dBm)	(dB)	(dBm)	(W)		
Low	-26.05	42.39	16.34	0.04		
Middle	-25.11	43.50	18.39	0.07		
High	-26.03	43.78	17.75	0.06		
		Vertical Polarization				
Channel	LVL	Correction Factor	EIRP	EIRP		
Channel	(dBm)	(dB)	(dBm)	(W)		
Low	-23.09	44.80	21.71	0.15		
Middle	-21.62	45.39	23.77	0.24		
High	-21.34	45.37	24.03	0.25		

802.16e (QPSK, BW 10MHz) Radiated Power (EIRP)								
	Horizontal Polarization							
Channel	LVL	Correction Factor	EIRP	EIRP				
Chamilei	(dBm)	(dB)	(dBm)	(W)				
Low	-26.29	42.39	16.10	0.04				
Middle	-25.53	43.50	17.97	0.06				
High	-25.83	43.78	17.95	0.06				
		Vertical Polarization						
Channel	LVL	Correction Factor	EIRP	EIRP				
Channel	(dBm)	(dB)	(dBm)	(W)				
Low	-23.71	44.80	21.09	0.13				
Middle	-21.96	45.39	23.43	0.22				
High	-22.04	45.37	23.33	0.22				

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802.16e (16QAM, BW 5MHz) Radiated Power (EIRP) Horizontal Polarization LVL **Correction Factor EIRP EIRP** Channel (dBm) (dB) (W) (dBm) Low -26.03 42.39 16.36 0.04 Middle -24.84 43.50 18.66 0.07 -25.90 43.78 17.88 High 0.06 Vertical Polarization LVL **Correction Factor EIRP EIRP** Channel (dBm) (dB) (dBm) (W) Low -23.10 44.80 21.70 0.15 Middle -21.57 45.39 0.24 23.82 High -21.29 45.37 24.08 0.26

802.16e (16QAM, BW 10MHz) Radiated Power (EIRP)								
	Horizontal Polarization							
Channel	LVL	Correction Factor	EIRP	EIRP				
Chamilei	(dBm)	(dB)	(dBm)	(W)				
Low	-26.32	42.39	16.07	0.04				
Middle	-25.68	43.50	17.82	0.06				
High	-25.86	43.78	17.92	0.06				
		Vertical Polarization						
LVL Correction Factor EIRP E								
Channel	(dBm)	(dB)	(dBm)	(W)				
Low	-23.70	44.80	21.10	0.13				
Middle	-21.90	45.39	23.49	0.22				
High	-22.11	45.37	23.26	0.21				

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3.2 Radiated Emissions Measurement

3.2.1 Description of Radiated Emissions Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of mobile digital stations, the attenuation factor shall be not less than 43 + 10 log (P) dB at the channel edge and 55 + 10 log (P) dB at 5.5 MHz from the channel edges. It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

3.2.2 Measuring Instruments

See list of measuring instruments of this test report.

3.2.3 Test Procedures

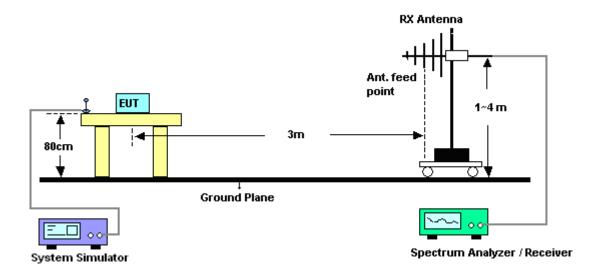
- 1. The EUT was placed on a rotatable wooden table with 0.8 meter about ground.
- 2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
- 3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
- 4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
- 5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 1MHz, Sweep = 500ms, Taking the record of maximum spurious emission.
- 6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
- 7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
- 8. Taking the record of output power at antenna port.
- 9. Repeat step 7 to step 8 for another polarization.
- 10. Emission level (dBm) = output power + substitution Gain.

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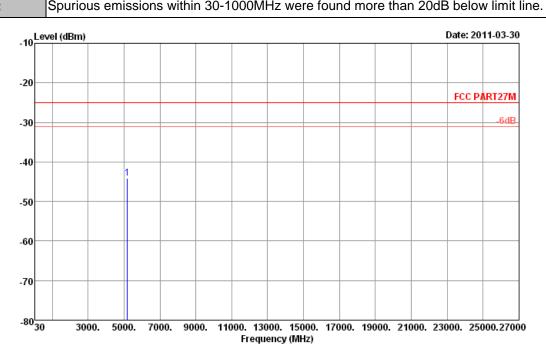
3.2.4 Test Setup



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3.2.5 Test Result of Radiated Emissions

Band :	802.16e	Temperature :	23~24°C			
Test Mode :	QPSK, BW 5MHz, Middle Ch (2593MHz)	Relative Humidity :	49~52%			
Test Engineer :	Cona Huang	Polarization :	Horizontal			
Domork .	Spurious amiggions within 20 1000MHz were found more than 20dB helpy limit line					



Site : 03CH05-HY

Condition : FCC PART27M HF_EIRP_101221 HORIZONTAL

Project : FG 131021-01

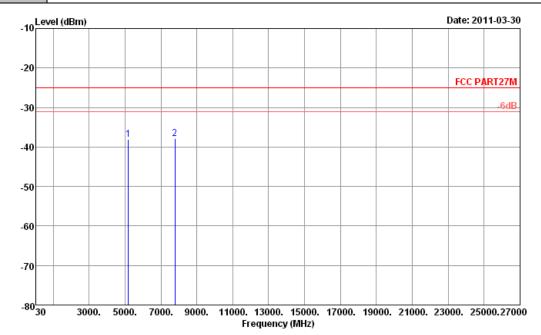
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
			Limit	Reading	Power	loss	Gain		
(MHz)	(dBm)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	(dBi)	(H/V)	
5186	-44.15	-25	-19.15	-63.15	-53.49	1.27	10.61	Н	Pass

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Band :	802.16e	Temperature :	23~24°C					
Test Mode :	QPSK, BW 5MHz, Middle Ch (2593MHz)	Relative Humidity :	49~52%					
Test Engineer :	Cona Huang	Polarization :	Vertical					
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.							



Site : 03CH05-HY

Condition : FCC PART27M HF_EIRP_101221 VERTICAL

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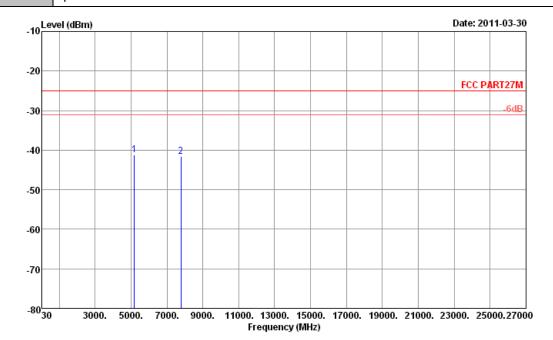
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
			Limit	Reading	Power	loss	Gain		
(MHz)	(dBm)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	(dBi)	(H/V)	
5186	-38.06	-25	-13.06	-57.28	-47.40	1.27	10.61	V	Pass
7779	-37.91	-25	-12.91	-62.23	-48.46	1.65	12.20	V	Pass

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Band :	802.16e	Temperature :	23~24°C						
Test Mode :	QPSK, BW 10MHz, Middle Ch (2593MHz)	Relative Humidity :	49~52%						
Test Engineer :	Cona Huang	Polarization :	Horizontal						
Remark:	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.								



Site : 03CH05-HY

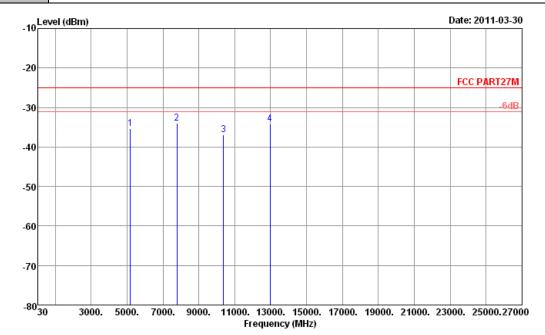
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Project : FG 131021-01

Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
			Limit	Reading	Power	loss	Gain		
(MHz)	(dBm)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	(dBi)	(H/V)	
5184	-41.27	-25	-16.27	-59.49	-50.61	1.27	10.61	Н	Pass
7779	-41.53	-25	-16.53	-64.85	-52.08	1.65	12.20	Н	Pass

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Band :	802.16e	Temperature :	23~24°C						
Test Mode :	QPSK, BW 10MHz, Middle Ch (2593MHz)	Relative Humidity :	49~52%						
Test Engineer :	Cona Huang	Polarization :	Vertical						
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.								



Site : 03CH05-HY

Condition : FCC PART27M HF_EIRP_101221 VERTICAL

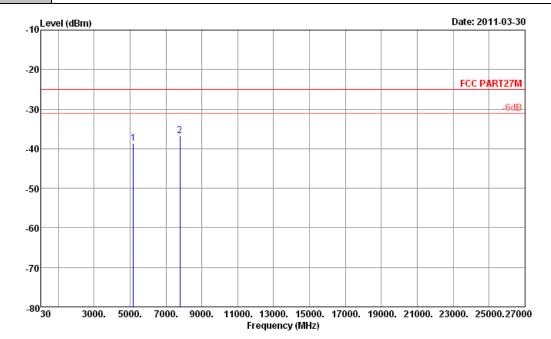
Project : FG 131021-01

Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
			Limit	Reading	Power	loss	Gain		
(MHz)	(dBm)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	(dBi)	(H/V)	
5186	-35.27	-25	-10.27	-53.49	-44.61	1.27	10.61	V	Pass
7779	-33.91	-25	-8.91	-57.23	-44.46	1.65	12.20	V	Pass
10372	-36.93	-25	-11.93	-64.28	-47.49	2.61	13.17	V	Pass
12965	-34.27	-25	-9.27	-64.64	-44.33	3.13	13.19	V	Pass

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Band :	802.16e	Temperature :	23~24°C					
Test Mode :	16QAM, BW 5MHz, Middle Ch (2593MHz)	Relative Humidity :	49~52%					
Test Engineer :	Cona Huang	Polarization :	Horizontal					
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.							



Site : 03CH05-HY

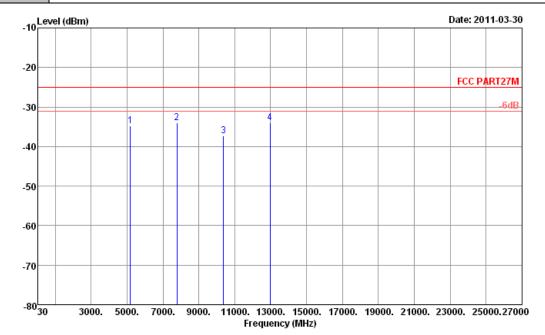
Condition : FCC PART27M HF_EIRP_101221 HORIZONTAL

Project : FG 131021-01

Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable		Polarization	Result
			Limit	Reading	Power	loss	Gain		
(MHz)	(dBm)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	(dBi)	(H/V)	
5186	-38.60	-25	-13.60	-56.82	-47.94	1.27	10.61	Н	Pass
7779	-36.79	-25	-11.79	-60.11	-47.34	1.65	12.20	Н	Pass

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Band :	802.16e	Temperature :	23~24°C					
Test Mode:	16QAM, BW 5MHz, Middle Ch (2593MHz)	Relative Humidity :	49~52%					
Test Engineer :	Cona Huang	Polarization :	Vertical					
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line							



Site : 03CH05-HY

Condition : FCC PART27M HF_EIRP_101221 VERTICAL

Project : FG 131021-01

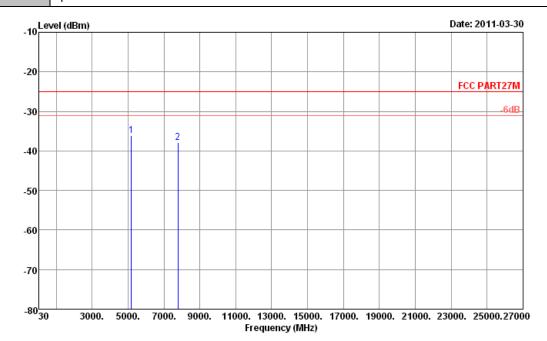
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
			Limit	Reading	Power	loss	Gain		
(MHz)	(dBm)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	(dBi)	(H/V)	
5186	-34.84	-25	-9.84	-53.09	-44.18	1.27	10.61	V	Pass
7779	-33.89	-25	-8.89	-57.21	-44.44	1.65	12.20	V	Pass
10372	-37.29	-25	-12.29	-64.64	-47.85	2.61	13.17	V	Pass
12965	-34.07	-25	-9.07	-64.44	-44.13	3.13	13.19	V	Pass

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Band :	802.16e	Temperature :	23~24°C					
Test Mode :	16QAM, BW 10MHz, Middle Ch (2593MHz)	Relative Humidity :	49~52%					
Test Engineer :	Cona Huang	Polarization :	Horizontal					
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.							



Site : 03CH05-HY

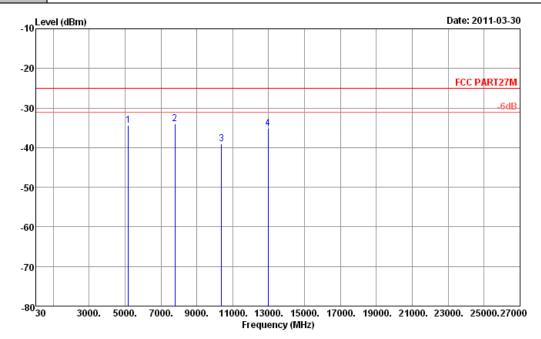
Condition : FCC PART27M HF_EIRP_101221 HORIZONTAL

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Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
			Limit	Reading	Power	loss	Gain		
(MHz)	(dBm)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	(dBi)	(H/V)	
5186	-36.17	-25	-11.17	-54.39	-45.51	1.27	10.61	Н	Pass
7779	-37.90	-25	-12.90	-61.22	-48.45	1.65	12.20	Н	Pass

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Band :	802.16e	Temperature :	23~24°C			
Test Mode :	16QAM, BW 10MHz, Middle Ch (2593MHz)	Relative Humidity :	49~52%			
Test Engineer :	Cona Huang	Vertical				
Remark ·	Spurious emissions within 30-1000MHz were found more than 20dB below limit line					



Site : 03CH05-HY

Condition : FCC PART27M HF_EIRP_101221 VERTICAL

Project : FG 131021-01

Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
			Limit	Reading	Power	loss	Gain		
(MHz)	(dBm)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	(dBi)	(H/V)	
5186	-34.45	-25	-9.45	-52.67	-43.79	1.27	10.61	V	Pass
7779	-33.97	-25	-8.97	-57.29	-44.52	1.65	12.20	V	Pass
10372	-39.12	-25	-14.12	-66.47	-49.68	2.61	13.17	V	Pass
12965	-35.14	-25	-10.14	-65.51	-45.20	3.13	13.19	V	Pass

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4 List of Measuring Equipments

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
System Simulator	R&S	CMU200	117995	N/A	Jun. 08, 2009	Jun. 07, 2011	Conducted (TH02-HY)
Spectrum Analyzer	R&S	FSP40	100055	9kHz~40GHz	Jun. 11, 2010	Jun. 10, 2011	Conducted (TH02-HY)
Power Meter	Anritsu	ML2495A	0932001	N/A	Sep. 13, 2010	Sep. 12, 2011	Conducted (TH02-HY)
Power Sensor	Anritsu	MA2411B	0846202	N/A	Sep. 14, 2010	Sep. 13, 2011	Conducted (TH02-HY)
Thermal Chamber	Ten Billion	TTH-D35P	TBN-930701	N/A	Jul. 30,2010	Jul. 29, 2011	Conducted (TH02-HY)
Spectrum Analyzer	R&S	FSP30	101352	9KHz-40GHz	Nov. 03, 2010	Nov. 02, 2011	Radiation (03CH05-HY)
Amplifier	COM-POWER	PA-103	161075	1KHz - 1GHz	Mar. 29, 2011	Mar. 28, 2012	Radiation (03CH05-HY)
Bilog Antenna	SCHAFFNER	CBL6111C	2725	30MHz ~ 1GHz	Nov. 06, 2010	Nov. 05, 2011	Radiation (03CH05-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA917025 1	15GHz- 40GHz	Oct. 18, 2010	Oct. 17, 2011	Radiation (03CH05-HY)
Pre Amplifier	Agilent	8449B	3008A01917	1GHz- 26.5GHz	Apr. 15, 2010	Apr. 14, 2011	Radiation (03CH05-HY)
Turn Table	HD	Deis HD 2000	420/611	0 - 360 degree	N/A	N/A	Radiation (03CH05-HY)
Antenna Mast	HD	MA 240	240/666	1 m - 4 m	N/A	N/A	Radiation (03CH05-HY)
Horn Antenna	ESCO	3117	00066584	1GHz ~ 18GHz	Aug. 05, 2010	Aug. 04, 2011	Radiation (03CH05-HY)
Loop Antenna	R&S	HFH2-Z2	860004/001	9 kHz~30 MHz	Jul. 29, 2010	Jul. 28, 2011	Radiation (03CH05-HY)
WiMAX Base Station (System Simulator)	Agilent	E6651A	N/A	N/A	N/A	N/A	Radiation (03CH05-HY)

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5 Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

	Uncerta			
Contribution	dB	Probability Distribution	u(X _i)	
Receiver Reading	0.41	Normal (k=2)	0.21	
Antenna Factor Calibration	0.83	Normal (k=2)	0.42	
Cable Loss Calibration	0.25	Normal (k=2)	0.13	
Pre-Amplifier Gain Calibration	0.27	Normal (k=2)	0.14	
RCV/SPA Specification	2.50	Rectangular	0.72	
Antenna Factor Interpolation for Frequency	1.00	Rectangular	0.29	
Site Imperfection	1.43	Rectangular	0.83	
Mismatch	+0.39 / -0.41 U-Shape		0.28	
Combined Standard Uncertainty Uc(y)	1.27			
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))		2.54		

Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)

	Uncertai					
Contribution	dB	Probability Distribution	u(X _i)	C _i	C _i * u(X _i)	
Receiver Reading	±0.10	Normal (k=2)	0.10	1	0.10	
Antenna Factor Calibration	±1.70	Normal (k=2)	0.85	1	0.85	
Cable Loss Calibration	±0.50	Normal (k=2)	0.25	1	0.25	
Receiver Correction	±2.00	Rectangular	1.15	1	1.15	
Antenna Factor Directional	±1.50	Rectangular	0.87	1	0.87	
Site Imperfection	±2.80	Triangular	1.14	1	1.14	
Mismatch Receiver VSWR Γ 1 = 0.197 Antenna VSWR Γ 2 = 0.194 Uncertainty = 20Log(1- Γ 1* Γ 2)	+0.34 / -0.35	U-Shape	0.244	1	0.244	
Combined Standard Uncertainty Uc(y)	2.36 4.72					
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))						

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Appendix A. Photographs of EUT

Please refer to Sporton report number EP131021-01 as below.

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