Report No. : FR112418

FCC RADIO TEST REPORT

according to

47 CFR FCC Part 15 Subpart C § 15.249

Equipment : RF Dongle
Model No. : RMTP-S1Q
Brand Name : SUYIN

Diana Name . 30 mm

Filing Type : New Application

Applicant : SUYIN OPTRONICS CORP
No.377,Fude 1ST RD.,Xizhi City,
Taipei County 221,Taiwan

raiper County 221, raiw

FCC ID : YSXRMTP-S1Q-01-D

Received Date : Jan. 27, 2011 Final Test Date : Feb. 24, 2011

Statement

The test result in this report refers exclusively to the presented test model / sample.

Without written approval of SPORTON International Inc., the test report shall not be reproduced except in full.

The measurements and test results shown in this test report were made in accordance with the procedures and found in compliance with the limit given in ANSI C63.4-2003 and 47 CFR FCC Part 15 Subpart C.

The test equipment used to perform the test is calibrated and traceable to NML/ROC.





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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FCC ID : YSXRMTP-S1Q-01-D

History of This Test Report

Original Issue Date: Feb. 25, 2011

Report No.: FR112418

Attachment No.	Issue Date	Description

CERTIFICATE OF COMPLIANCE

according to

47 CFR FCC Part 15 Subpart C § 15.249

Equipment : RF Dongle Model No. : RMTP-S1Q

45011,228

Brand Name : SUYIN

Applicant : SUYIN OPTRONICS CORP

> No.377, Fude 1ST RD., Xizhi City, Taipei County 221, Taiwan

Sporton International as requested by the applicant to evaluate the EMC performance of the product sample received on Jan. 27, 2011 would like to declare that the tested sample has been evaluated and found to be in compliance with the tested rule parts. The data recorded as well as the test configuration specified is true and accurate for showing the sample's EMC nature.

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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1. SUMMARY OF THE TEST RESULT

	Applied Standard: 47 CFR FCC Part 15 Subpart C						
Part	Rule Section	Result	Under Limit				
3.1	15.207	AC Power Line Conducted Emissions	Complies	4.19 dB			
3.2	15.249(a)	Field Strength of Fundamental Emissions	Complies	21.50 dB			
3.3	15.215(c)	20dB Spectrum Bandwidth	Complies	-			
3.4	15.249(a)/(d)	Radiated Emissions	Complies	2.39 dB			
3.5	15.249(d)	Band Edge Emissions	Complies	5.73 dB			
3.6	15.203	Antenna Requirements	Complies	-			

Test Items	Uncertainty	Remark
AC Power Line Conducted Emissions	±2.3dB	Confidence levels of 95%
Field Strength of Fundamental Emissions	±0.8dB	Confidence levels of 95%
20dB Spectrum Bandwidth	±8.5×10 ⁻⁸	Confidence levels of 95%
Radiated Emissions (9kHz~30MHz)	±0.8dB	Confidence levels of 95%
Radiated Emissions (30MHz~1000MHz)	±1.9dB	Confidence levels of 95%
Radiated / Band Edge Emissions (1GHz~18GHz)	±1.9dB	Confidence levels of 95%
Radiated Emissions (18GHz~40GHz)	±1.9dB	Confidence levels of 95%
Temperature	±0.7°℃	Confidence levels of 95%
Humidity	±3.2%	Confidence levels of 95%
DC / AC Power Source	±1.4%	Confidence levels of 95%

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2. GENERAL INFORMATION

2.1. Product Details

Items	Description
Power Type	From host
Modulation	GFSK
Frequency Range	2402.5 ~ 2475MHz
Channel Number	30
Channel Band Width (99%)	1.46 MHz
Max. Field Strength	72.50 dBuV/m at 3m (Average)
Antenna	Internal Antenna

2.2. Table for Test Modes

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.

Test Items	Mode	Channel				
AC Power Line Conducted Emissions	Normal Mode	-				
Field Strength of Fundamental Emissions	CTX	2402.5 MHz / 2440 MHz / 2475 MHz				
20dB Spectrum Bandwidth						
Radiated Emissions 9kHz~1GHz	CTX	2440 MHz				
Radiated Emissions 1GHz~10 th Harmonic	CTX	2402.5 MHz / 2440 MHz / 2475 MHz				
Band Edge Emissions	CTX	2402.5 MHz / 2440 MHz				

Note: CTX=continuously transmitting.

2.3. Table for Testing Locations

Test Site No.	Site Category	Location
CO04-HY	Conduction	Hwa Ya
TH01-HY	OVEN Room	Hwa Ya
03CH02-HY	SAC	Hwa Ya

Semi Anechoic Chamber (SAC).

2.4. Table for Supporting Units

Support Unit	Brand	Model	FCC ID	Remark
Personal computer	HP	DC7700	N/A	
LCD Monitor	DELL	2408WFPb	N/A	
(PS/2) Keyboard	HP	KB-0133	N/A	O a sa de cata d
(PS/2) Mouse	HP	M-S69	N/A	Conducted
Printer	HP	DESK JET400	N/A	Emissions
Modem	ACEEX	DM1414	IFAXDM1414	
Media remote	SUYIN	RMTP-S1Q	YSXRMTP-S1Q-01	
Natabaak	DELL	144000	ESIZMM204EADO	Radiated
Notebook	DELL	M1330	E2KWM3945ABG	Emissions

Note: The test fixture provide by customer.

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2.5. EUT Operation during Test

An executive program, EMCTEST.EXE under WIN XP, which generates a complete line of continuously repeating "H" pattern was used as the test software.

The program was executed as follows:

Turn on the power of all equipment.

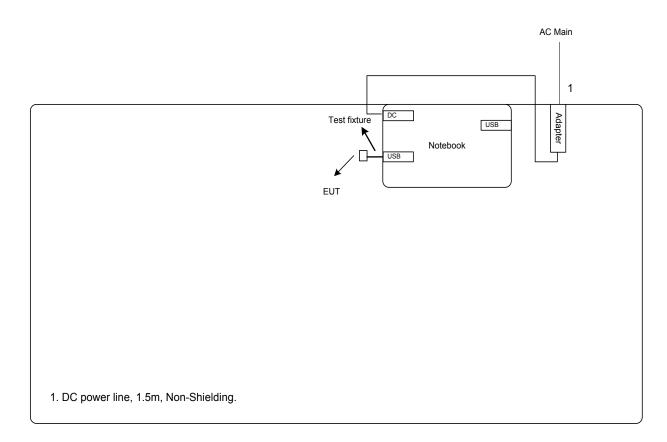
- a. The PC reads the test program from the hard disk drive and runs it.
- b. The PC sends "H" messages to the monitor and the displays "H" patterns on the screen.
- c. The PC sends "H" messages to the printer, then the printer prints them on the paper.
- d. The PC sends "H" messages to the modem.
- e. The PC sends "H" messages to the external Hard Disk, and the Hard Disk reads and writes the message.
- f. Repeat the steps from b to e.

At the same time, "mspaint.exe" was executed to keep transmitting signals and the receiver reads message in Media remote and EUT.

2.6. Test Configurations

2.6.1. Radiation Emissions Test Configuration

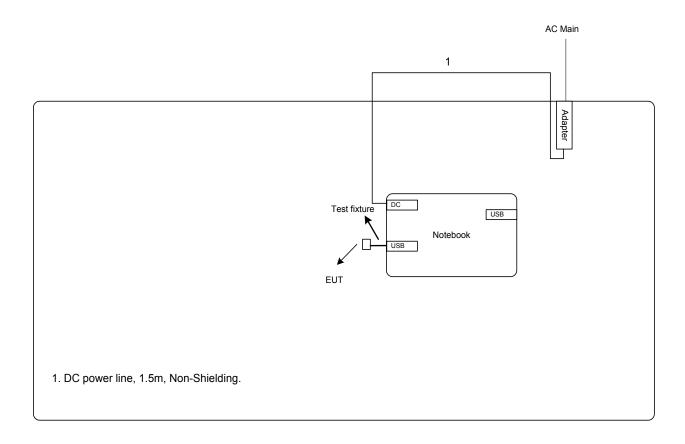
For radiated emissions 9kHz~1GHz



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For radiated emissions above 1GHz



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3. TEST RESULT

3.1. AC Power Line Conducted Emissions Measurement

3.1.1. Limit

For this product which is designed to be connected to the AC power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed below limits table.

Class B

Frequency (MHz)	QP Limit (dBuV)	AV Limit (dBuV)
0.15~0.5	66~56	56~46
0.5~5	56	46
5~30	60	50

3.1.2. Measuring Instruments and Setting

Please refer to section 4 of equipments list in this report. The following table is the setting of the receiver.

	· · · · · · · · · · · · · · · · · · ·				
Receiver Parameters	Setting				
Attenuation	10 dB				
Start Frequency	0.15 MHz				
Stop Frequency	30 MHz				
IF Bandwidth	9 KHz				

3.1.3. Test Procedures

- 1. The EUT warm up about 15 minutes then start test.
- Configure the EUT according to ANSI C63.4. The EUT or host of EUT has to be placed 0.4 meter far from the conducting wall of the shielding room and at least 80 centimeters from any other grounded conducting surface.
- 3. Connect EUT or host of EUT to the power mains through a line impedance stabilization network (LISN).
- 4. All the support units are connected to the other LISNs. The LISN should provide 50uH/50ohms coupling impedance.
- 5. The frequency range from 150 KHz to 30 MHz was searched.
- 6. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 7. The measurement has to be done between each power line and ground at the power terminal.

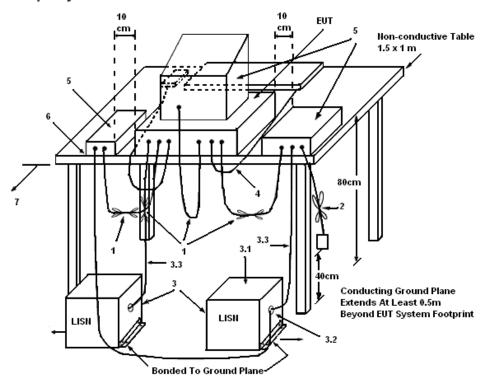
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3.1.4. Test Setup Layout



LEGEND:

- (1) Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- (2) I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- (3) EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω . LISN can be placed on top of, or immediately beneath, reference ground plane.
- (3.1) All other equipment powered from additional LISN(s).
- (3.2) Multiple outlet strip can be used for multiple power cords of non-EUT equipment.
- (3.3) LISN at least 80 cm from nearest part of EUT chassis.
- (4) Cables of hand-operated devices, such as keyboards, mice, etc., shall be placed as for normal use.
- (5) Non-EUT components of EUT system being tested.
- (6) Rear of EUT, including peripherals, shall all be aligned and flush with rear of tabletop.
- (7) Rear of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.

3.1.5. Test Deviation

There is no deviation with the original standard.

3.1.6. EUT Operation during Test

The EUT was placed on the test table and programmed in normal function.

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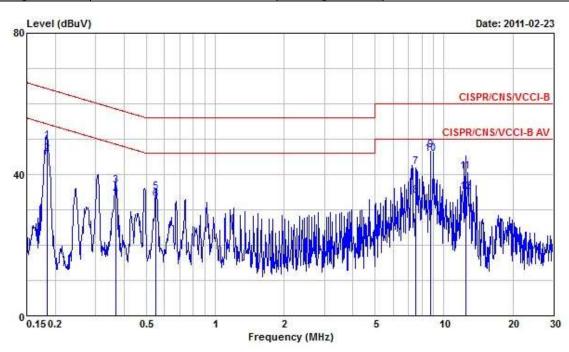
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3.1.7. Results of AC Power Line Conducted Emissions Measurement

Final Test Date	Feb. 23, 2011	Test Site No.	CO04-HY
Temperature	23.3℃	Humidity	52.7%
Test Engineer	Jason	Configuration	Normal Mode

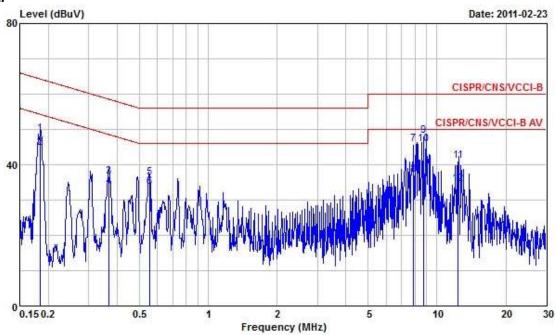
Line



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1839860	49.43	-14.87	64.30	49.26	0.08	0.09	QP
2	0.1839860	45.70	-8.60	54.30	45.53	0.08	0.09	Average
3	0.3672530	36.83	-21.73	58.56	36.73	0.09	0.01	QP
4	0.3672530	33.96	-14.60	48.56	33.86	0.09	0.01	Average
5	0.5513200	34.89	-21.11	56.00	34.76	0.10	0.03	QP
6	0.5513200	32.96	-13.04	46.00	32.83	0.10	0.03	Average
7	7.546	42.17	-17.83	60.00	41.83	0.24	0.10	QP
8	7.546	34.00	-16.00	50.00	33.66	0.24	0.10	Average
9	8.712	46.95	-13.05	60.00	46.60	0.25	0.10	QP
10	8.712	45.70	-4.30	50.00	45.35	0.25	0.10	Average
11	12.457	40.77	-19.23	60.00	40.26	0.30	0.21	QP
12	12.457	34.94	-15.06	50.00	34.43	0.30	0.21	Average

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Neutral



	Freq	Level	Over	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1843950	48.71	-15.58	64.29	48.54	0.08	0.09	QP
2	0.1843950	44.84	-9.45	54.29	44.67	0.08	0.09	Average
3	0.3692040	36.48	-22.04	58.52	36.39	0.08	0.01	QP
4	0.3692040	33.57	-14.95	48.52	33.48	0.08	0.01	Average
5	0.5525930	36.34	-19.66	56.00	36.21	0.09	0.04	QP
6	0.5525930	33.73	-12.27	46.00	33.60	0.09	0.04	Average
7	7.914	45.68	-14.32	60.00	45.35	0.23	0.10	QP
8	7.914	37.23	-12.77	50.00	36.90	0.23	0.10	Average
9	8.713	48.24	-11.76	60.00	47.90	0.24	0.10	QP
10	8.713	45.81	-4.19	50.00	45.47	0.24	0.10	Average
11	12.394	40.97	-19.03	60.00	40.47	0.30	0.20	QP
12	12.394	34.55	-15.45	50.00	34.05	0.30	0.20	Average

Note:

Level = Read Level + LISN Factor + Cable Loss.

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3.2. Field Strength of Fundamental Emissions Measurement

3.2.1. Limit

The field strength of fundamental emissions within these bands specified at a distance of 3 meters (measurement instrumentation employing an average detector) shall comply with the following table.

Frequency Band (MHz)	Fundamental Emissions Limit (dBuV/m) at 3m
2400-2483.5	94

3.2.2. Measuring Instruments and Setting

Please refer to section 4 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Power Meter Parameter	Setting
RB	1 MHz Peak / 1MHz Average
VB	1 MHz Peak / 10Hz Average
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

3.2.3. Test Procedures

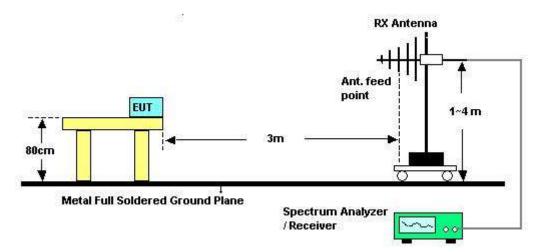
- 1. Configure the EUT according to ANSI C63.4. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. For Fundamental emissions, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
- 6. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.

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3.2.4. Test Setup Layout



3.2.5. Test Deviation

There is no deviation with the original standard.

3.2.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

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3.2.7. Test Result of Field Strength of Fundamental Emissions

Final Test Date	Jan. 27, 2011	Test Site No.	03CH02-HY
Temperature	22 ℃	Humidity	53%
Test Engineer	Daniel	Configurations	2402.5 MHz / 2440 MHz / 2475 MHz

2402.5 MHz Vertical

			0ver	Limit	Read	Antenna	Cable	Preamp	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
3	2402.340	92.24	-21.76	114.00	57.43	31.79	3.02	0.00	Peak
3	2402.340	72.50	-21.50	94.00	37.69	31.79	3.02	0.00	Average

2440 MHz Vertical

			0ver	Limit	Read	Antenna	Cable	Preamp	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2439.770	90.14	-23.86	114.00	55.10	31.99	3.05	0.00	Peak
1	2439.770	71.41	-22.59	94.00	36.37	31.99	3.05	0.00	Average

2475 MHz Vertical

			Over	Limit	Read	Antenna	Cable	Preamp	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2474.730	89.10	-24.90	114.00	53.89	32.13	3.08	0.00	Peak
1	2474.730	70.96	-23.04	94.00	35.75	32.13	3.08	0.00	Average

Note:

Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

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3.3. 20dB Spectrum Bandwidth Measurement

3.3.1. Limit

Intentional radiators must be designed to ensure that the 20 dB bandwidth of the emissions in the specific band.

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3.3.2. Measuring Instruments and Setting

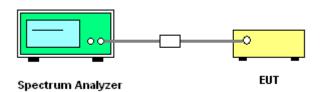
Please refer to section 4 of equipments list in this report. The following table is the setting of the spectrum analyzer.

opeolium analyzor.					
Spectrum Parameters	Setting				
Attenuation	Auto				
Span Frequency	> 20dB Bandwidth				
RB	100 kHz				
VB	100 kHz				
Detector	Peak				
Trace	Max Hold				
Sweep Time	Auto				

3.3.3. Test Procedures

- The transmitter output (antenna port) was connected to the spectrum analyzer in peak hold mode.
- 2. The resolution bandwidth of 100 kHz and the video bandwidth of 100 kHz were used.
- 3. Measured the spectrum width with power higher than 6dB below carrier.

3.3.4. Test Setup Layout



3.3.5. Test Deviation

There is no deviation with the original standard.

3.3.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

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3.3.7. Test Result of 20dB Spectrum Bandwidth

Final Test Date	Feb. 24, 2011	Test Site No.	TH01-HY
Temperature	25 ℃	Humidity	60%
Test Engineer	lan	Configurations	2402.5 MHz / 2440 MHz / 2475 MHz

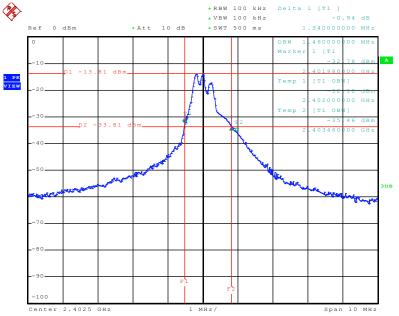
Frequency	20dB BW (MHz)	99% OBW (MHz)	Frequency range (MHz) f _L > 2400MHz	Frequency range (MHz) f _H < 2483MHz	Test Result
2402.5 MHz	1.34	1.46	2401.9800	-	Complies
2440 MHz	1.28	1.38	-	-	Complies
2475 MHz	1.26	1.36	-	2475.7000	Complies

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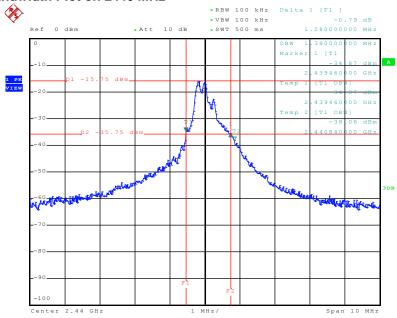
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20 dB/99% Bandwidth Plot on 2402.5 MHz



Date: 24.FEB.2011 16:27:03

20 dB/99% Bandwidth Plot on 2440 MHz



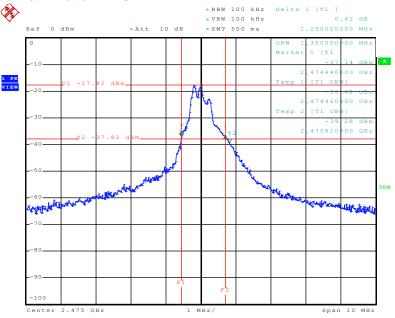
Date: 24.FEB.2011 16:19:38

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20 dB/99% Bandwidth Plot on 2475 MHz



Date: 24.FEB.2011 16:12:12

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3.4. Radiated Emissions Measurement

3.4.1. Limit

Harmonic emissions limits comply with below 54 dBuV/m at 3m. Other emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or comply with the radiated emissions limits specified in section 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

3.4.2. Measuring Instruments and Setting

Please refer to section 4 of equipments list in this report. The following table is the setting of the spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

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3.4.3. Test Procedures

1. Configure the EUT according to ANSI C63.4. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.

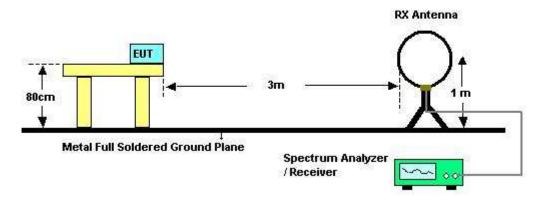
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.
- 8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.

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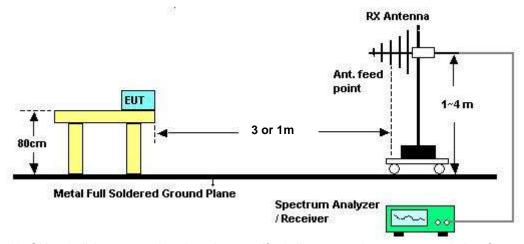
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3.4.4. Test Setup Layout

For radiated emissions below 30MHz



For radiated emissions above 30MHz



Above 10 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1m.

Distance extrapolation factor = 20 log (specific distance [3m] / test distance [1m]) (dB); Limit line = specific limits (dBuV) + distance extrapolation factor [9.54 dB].

3.4.5. Test Deviation

There is no deviation with the original standard.

3.4.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

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3.4.7. Results of Radiated Emissions (9kHz~30MHz)

Final Test Date	Jan. 28, 2011	Test Site No.	03CH02-HY
Temperature	22 ℃	Humidity	53%
Test Engineer	Daniel		

Report No. : FR112418

Freq.	Level	Over Limit	Limit Line	Remark
(MHz)	(dBuV)	(dB)	(dBuV)	
-	-	-	-	See Note

Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

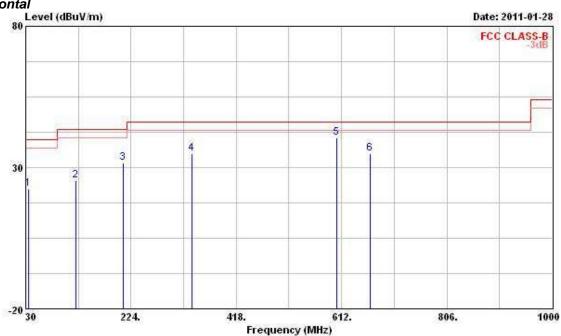
Distance extrapolation factor = 40 log (specific distance / test distance) (dB); Limit line = specific limits (dBuV) + distance extrapolation factor.

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3.4.8. Results of Radiated Emissions (30MHz~1GHz)

Final Test Date	Jan. 28, 2011	Test Site No.	03CH02-HY
Temperature	22 ℃	Humidity	53%
Test Engineer	Daniel	Configurations	2440 MHz



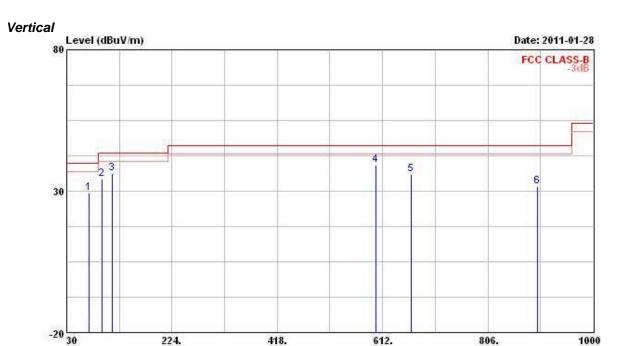


	Freq	Level	Limit			Factor			Remark
=	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	2
1	35.820	22.29	-17.71	40.00	35.08	14.15	0.89	27.83	Peak
2	122.150	25.39	-18.11	43.50	37.79	13.34	1.80	27.54	Peak
3	210.420	31.51	-11.99	43.50	44.42	11.70	2.40	27.01	Peak
4	335.550	34.77	-11.23	46.00	44.60	14.26	2.98	27.07	Peak
5 @	602.300	40.59	-5.41	46.00	44.59	20.15	4.02	28.17	Peak
6	665.350	35.09	-10.91	46.00	39.55	19.31	4.30	28.07	Peak

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Frequency (MHz)

			0ver	Limit	Readi	Antenna	Cable	Preamp	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
Ė	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	3
1	71.710	29.36	-10.64	40.00	48.86	6.85	1.34	27.69	Peak
2	94.990	34.33	-9.17	43.50	50.07	10.34	1.54	27.62	Peak
3	113.420	36.33	-7.17	43.50	49.38	12.80	1.72	27.57	Peak
4	599.390	39.15	-6.85	46.00	43.16	20.15	4.01	28.17	Peak
5	664.380	35.99	-10.01	46.00	40.45	19.32	4.29	28.07	Peak
6	898.150	31.78	-14.22	46.00	34.12	20.03	4.99	27.36	Peak

Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

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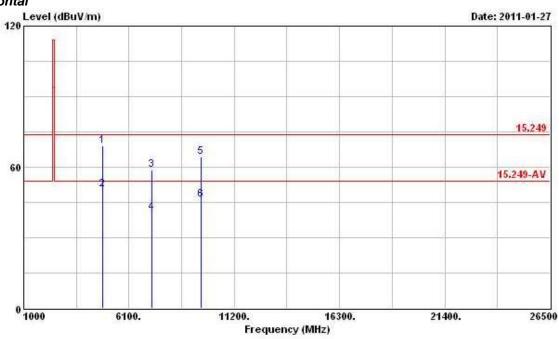
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3.4.9. Results for Radiated Emissions (1GHz~10th Harmonic)

Final Test Date	Jan. 27, 2011	Test Site No.	03CH02-HY
Temperature	22 ℃	Humidity	53%
Test Engineer	Daniel	Configurations	2402.5 MHz

Horizontal

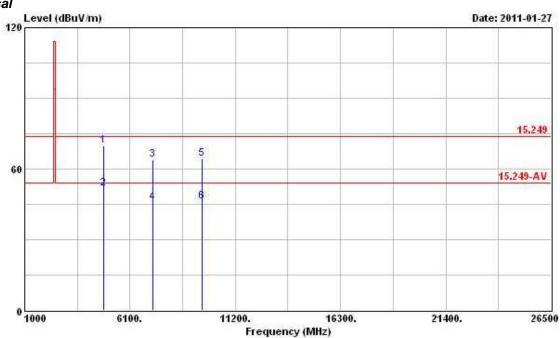


		1 <u>61</u> 6	20 92	0ver	1000	201	Antenna		CO 10 00	2 2
		Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
		МНг	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	9	4805.000	68.93	-5.07	74.00	63.17	35.73	4.58	34.55	Peak
2	0	4805.000	50.62	-3.38	54.00	44.86	35.73	4.58	34.55	Average
3		7207.500	58.83	-15.17	74.00	49.66	37.84	5.62	34.29	Peak
4		7207.500	40.52	-13.48	54.00	31.35	37.84	5.62	34.29	Average
5		9610.000	64.40	-9.60	74.00	53.38	39.32	6.34	34.64	Peak
6		9610.000	46.09	-7.91	54.00	35.07	39.32	6.34	34.64	Average

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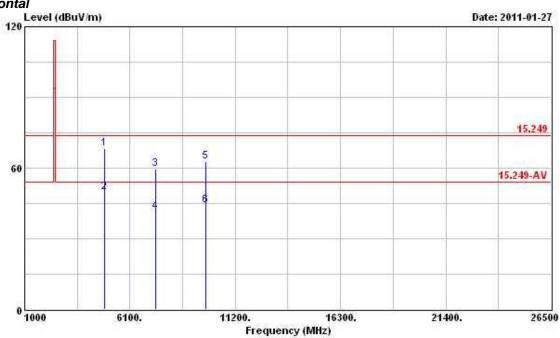
		1	req	Leve	1 1	Over imit	3333	it ne			Ante Fac		-		Pream Facto		Remark
			MHz	dBuV/	m.	dB	dBuV	/m	dB	uV	d	B/m		dВ		IB	
1	0	4805	000	69.9	2 -	4.08	74.	00	64.	78	35	. 11	4.	58	34.5	55	Peak
2	0	4805	000	51.6	1 -	2.39	54.	00	46.	47	35	. 11	4.	58	34.5	5	Average
3		7207	500	63.9	7 -1	LO. 03	74.	00	55.	76	36	. 88	5.	62	34.2	29	Peak
4		7207	500	45.6	6 -	8.34	54.	00	37.	45	36	. 88	5.	62	34.2	29	Average
5		9610	000	64.3	7 -	9.63	74.	00	54.	15	38	. 52	6.	34	34.6	4	Peak
6		9610	000	46.0	6 -	7.94	54.	00	35.	84	38	. 52	6.	34	34.6	4	Average

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Final Test Date	Jan. 27, 2011	Test Site No.	03CH02-HY
Temperature	22 ℃	Humidity	53%
Test Engineer	Daniel	Configurations	2440 MHz

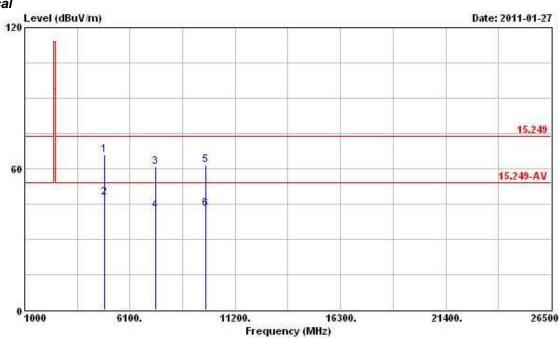




			Over	Limit	Read	Antenna	Cable	Preamp	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	9
1	4880.000	68.10	-5.90	74.00	62.11	35.83	4.61	34.45	Peak
2 @	4880.000	49.79	-4.21	54.00	43.80	35.83	4.61	34.45	Average
3	7320.000	59.69	-14.31	74.00	50.47	37.87	5.64	34.29	Peak
4	7320.000	41.38	-12.62	54.00	32.16	37.87	5.64	34.29	Average
5	9760.000	62.59	-11.41	74.00	51.29	39.51	6.36	34.57	Peak
6	9760.000	44.28	-9.72	54.00	32.98	39.51	6.36	34.57	Average

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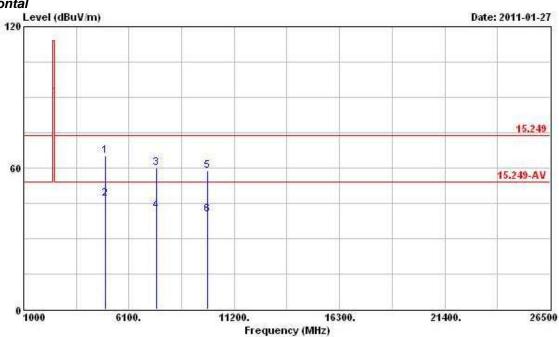
	Freg	Level	Over Limit	Limit Line		Antenna Factor		Preamp	Remark
	rreq	DE LEA	Line	AAAKE.	Dever	ractor	1000	ractor	ANCHINE A
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4880.000	66.05	-7.95	74.00	60.71	35.18	4.61	34.45	Peak
2	4880.000	47.74	-6.26	54.00	42.40	35.18	4.61	34.45	Average
3	7320.000	60.71	-13.29	74.00	52.43	36.93	5.64	34.29	Peak
4	7320.000	42.40	-11.60	54.00	34.12	36.93	5.64	34.29	Average
5	9760.000	61.51	-12.49	74.00	51.01	38.71	6.36	34.57	Peak
6	9760.000	43.20	-10.80	54.00	32.70	38.71	6.36	34.57	Average

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Final Test Date	Jan. 27, 2011	Test Site No.	03CH02-HY
Temperature	22 ℃	Humidity	53%
Test Engineer	Daniel	Configurations	2475 MHz

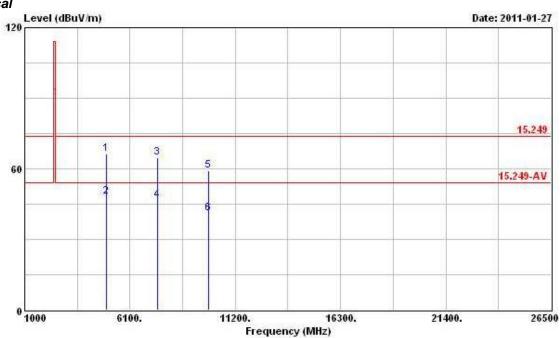




	Freq	Freq Level		STREET STREET STREET STREET		Limit Line	ReadAntenna Level Factor			Preamp Factor	amp tor Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	фВ	dB	9		
1	4950.000	65.13	-8.87	74.00	58.87	35.93	4.68	34.35	Peak		
2	4950.000	46.82	-7.18	54.00	40.56	35.93	4.68	34.35	Average		
3	7425.000	60.16	-13.84	74.00	50.91	37.89	5.65	34.29	Peak		
4	7425.000	41.85	-12.15	54.00	32.60	37.89	5.65	34.29	Average		
5	9900.000	58.77	-15.23	74.00	47.21	39.70	6.38	34.52	Peak		
6	9900.000	40.46	-13.54	54.00	28.90	39.70	6.38	34.52	Average		

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	Freq	Freq Level		Limit Line	133	Antenna Factor		Preamp Factor	Remark
-	MHz	dBuV/m	- dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	4950.000	66.33	-7.67	74.00	60.75	35.25	4.68	34.35	Peak
2	4950.000	48.02	-5.98	54.00	42.44	35.25	4.68	34.35	Average
3	7425.000	64.86	-9.14	74.00	56.53	36.97	5.65	34.29	Peak
4	7425.000	46.55	-7.45	54.00	38.22	36.97	5.65	34.29	Average
5	9900.000	59.38	-14.62	74.00	48.62	38.90	6.38	34.52	Peak
6	9900.000	41.07	-12.93	54.00	30.31	38.90	6.38	34.52	Average

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3.5. Band Edge Emissions Measurement

3.5.1. Limit

Band edge emissions radiated outside of the specified frequency bands shall be attenuated by at least 50 dB below the level of the fundamental or comply with the radiated emissions limits specified

in section 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

3.5.2. Measuring Instruments and Setting

Please refer to section 4 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	100 MHz
RB / VB	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average

3.5.3. Test Procedures

- 1. The test procedure is the same as section 3.2.3, only the frequency range investigated is limited to 2MHz around band edges.
- 2. In case the emission is fail due to the used RB/VB is too wide, marker-delta method of FCC Public Notice DA00-705 will be followed.

3.5.4. Test Setup Layout

This test setup layout is the same as that shown in section 3.2.4.

3.5.5. Test Deviation

There is no deviation with the original standard.

3.5.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

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3.5.7. Test Result of Band Edge

Final Test Date	Jan. 27, 2011	Test Site No.	03CH02-HY
Temperature	22 ℃	Humidity	53%
Test Engineer	Daniel	Configurations	2402.5 MHz, 2475MHz

Report No. : FR112418

2402.5 MHz

			Over	Limit	Read	Antenna	Cable	Preamp	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	2390.000	61.18	-12.82	74.00	26.37	31.79	3.02	0.00	Peak
2	2400.000	61.80	-12.20	74.00	26.99	31.79	3.02	0.00	Peak
1	2388.850	47.79	-6.21	54.00	12.98	31.79	3.02	0.00	Average
2	2400.000	43.49	-10.51	54.00	8.68	31.79	3.02	0.00	Average

2475 MHz

			Over Limit		Readi	ReadAntenna		e Preamp	•
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	₫В	dB	*
2	2484.610	60.72	-13.28	74.00	25.51	32.13	3.08	0.00	Peak
2	2496.580	48.27	-5.73	54.00	12.99	32.20	3.08	0.00	Average

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

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3.6. Antenna Requirements

3.6.1. Limit

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. 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 shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited.

3.6.2. Antenna Connector Construction

Please refer to section 2.1 in this test report; antenna connector complied with the requirements.

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4. LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMC Receiver	R&S	ESCS 30	100174	9kHz – 2.75GHz	Apr 06 2010	Conduction
EIVIC Receiver	Ras			9KHZ - 2.75GHZ	Apr. 06, 2010	(CO04-HY)
LISN	MessTec	NNB-2/16Z	99041	9kHz – 30MHz	Mar. 23, 2010	Conduction
LISIN	iviessiec	NNB-2/10Z	99041	9KHZ – SUIVIHZ	IVIAI. 23, 2010	(CO04-HY)
LISN	FMCO	2040/20104	9703-1839	9kHz – 30MHz	Apr. 29, 2010	Conduction
(Support Unit)	EMCO	3810/2NM				(CO04-HY)
DE Cabla CON	UTIFLEX	3102-26886-4	CB049	9kHz – 30MHz	Apr. 20, 2010	Conduction
RF Cable-CON	UTIFLEX	3102-20000-4	CB049	9KHZ — 30IVIHZ		(CO04-HY)
E.M. E.W.	LINDODEN	LDE 2020	2054	4.50.11-	NI/A	Conduction
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	N/A	(CO04-HY)

Note: Calibration Interval of instruments listed above is one year.

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum Analyzer	R&S	FSU26.5	100015	20Hz ~ 26.5GHz	Nov. 19, 2010	Conducted (TH01-HY)
DC Power Source	G.W.	GPC-6030D	C671845	DC 1V ~ 60V	Apr. 16, 2010	Conducted (TH01-HY)
Temp. and Humidity Chamber	Giant Force	GTH-225-20-S	MAB0103-001	N/A	Oct. 22, 2010	Conducted (TH01-HY)
RF CABLE-1m	Jye Bao	RG142	CB034-1m	20MHz ~ 7GHz	Dec. 02, 2010	Conducted (TH01-HY)
RF CABLE-2m	Jye Bao	RG142	CB035-2m	20MHz ~ 1GHz	Dec. 02, 2010	Conducted (TH01-HY)
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	Mar. 30, 2010	Conducted (TH01-HY)
Power Sensor	Anritsu	MA2411B	0917017	300MHz~40GHz	Jan. 06, 2011	Conducted (TH01-HY)
Power Meter	Anritsu	ML2495A	0949003	300MHz~40GHz	Jan. 06, 2011	Conducted (TH01-HY)

Note: Calibration Interval of instruments listed above is one year.

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
AC Power Source	HPC	HPA-500W	HPA-9100024	AC 0 ~ 300V	Jul. 26, 2010*	Conducted (TH01-HY)

Note: Calibration Interval of instruments listed above is two year.

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Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum Analyzer	R&S	FSP40	100004	9 kHz - 40 GHz	Nov. 17, 2010	Radiation (03CH02-HY)
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30 MHz - 1 GHz 3m	May 01, 2010	Radiation (03CH02-HY)
Amplifier	Agilent	8447D	2944A11146	100 kHz – 1.3 GHz	Jul. 23, 2010	Radiation (03CH02-HY)
Amplifier	Agilent	8449B	3008A02373	1GHz – 26.5 GHz	Jul. 23, 2010	Radiation (03CH02-HY)
Horn Antenna	ETS-LINDGREN	3117	00091920	1GHz~18GHz	Nov. 11, 2010	Radiation (03CH02-HY)
RF Cable-R03m	Jye Bao	RG142	CB021	30MHz ~ 1GHz	Feb. 26, 2010	Radiation (03CH02-HY)
RF Cable-HIGH	SUHNER	SUCOFLEX106	03CH02-HY	1GHz~40GHz	Feb. 26, 2010	Radiation (03CH02-HY)
Bilog Antenna	SCHAFFNER	CBL61128	2723	30 MHz - 2 GHz	Oct. 16, 2010	Radiation (03CH02-HY)
Turn Table	HD	DS 420	420/649/00	0 - 360 degree	N/A	Radiation (03CH02-HY)
Antenna Mast	HD	MA 240	240/559/00	1 m - 4 m	N/A	Radiation

Report No. : FR112418

(03CH02-HY)

Note: Calibration Interval of instruments listed above is one year.

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Loop Antenna	R&S	HFH2-Z2	860004/001	9 kHz - 30 MHz	Jul. 29, 2010*	Radiation (03CH02-HY)

Note: Calibration Interval of instruments listed above is two year.

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 : YSXRMTP-S1Q-01-D

5. TEST LOCATION

SHIJR ADD : 6FI., No. 106, Sec. 1, Shintai 5th Rd., Shijr City, Taipei, Taiwan 221, R.O.C. TEL : 886-2-2696-2468 FAX : 886-2-2696-2255 HWA YA ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL : 886-3-327-3456 FAX : 886-3-318-0055 LINKOU ADD : No. 30-2, Dingfu Tsuen, Linkou Shiang, Taipei, Taiwan 244, R.O.C TEL : 886-2-2601-1640 FAX : 886-2-2601-1695 DUNGHU ADD : No. 3, Lane 238, Kangle St., Neihu Chiu, Taipei, Taiwan 114, R.O.C. TEL : 886-2-2631-4739 FAX : 886-2-2631-9740 JUNGHE ADD : 7FI., No. 758, Jungjeng Rd., Junghe City, Taipei, Taiwan 235, R.O.C. TEL : 886-2-8227-2020 FAX : 886-2-8227-2626 NEIHU ADD : 4FI., No. 339, Hsin Hu 2 nd Rd., Taipei 114, Taiwan, R.O.C. TEL : 886-2-2794-8886 FAX : 886-2-2794-9777 JHUBEI ADD : No.8, Lane 728, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065 FAX : 886-3-656-9085 <th></th> <th></th> <th></th> <th></th>				
FAX : 886-2-2696-2255 HWA YA	SHIJR	ADD	:	6FI., No. 106, Sec. 1, Shintai 5th Rd., Shijr City, Taipei, Taiwan 221, R.O.C.
HWA YA		TEL	:	886-2-2696-2468
TEL : 886-3-327-3456 FAX : 886-3-318-0055 LINKOU ADD : No. 30-2, Dingfu Tsuen, Linkou Shiang, Taipei, Taiwan 244, R.O.C TEL : 886-2-2601-1640 FAX : 886-2-2601-1695 DUNGHU ADD : No. 3, Lane 238, Kangle St., Neihu Chiu, Taipei, Taiwan 114, R.O.C. TEL : 886-2-2631-4739 FAX : 886-2-2631-9740 JUNGHE ADD : 7FI., No. 758, Jungjeng Rd., Junghe City, Taipei, Taiwan 235, R.O.C. TEL : 886-2-8227-2020 FAX : 886-2-8227-2020 FAX : 886-2-8227-2626 NEIHU ADD : 4FI., No. 339, Hsin Hu 2 nd Rd., Taipei 114, Taiwan, R.O.C. TEL : 886-2-2794-8886 FAX : 886-2-2794-9777 JHUBEI ADD : No.8, Lane 728, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065		FAX	:	886-2-2696-2255
FAX 1	HWA YA	ADD	:	No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.
LINKOU ADD : No. 30-2, Dingfu Tsuen, Linkou Shiang, Taipei, Taiwan 244, R.O.C TEL : 886-2-2601-1640 FAX : 886-2-2601-1695 DUNGHU ADD : No. 3, Lane 238, Kangle St., Neihu Chiu, Taipei, Taiwan 114, R.O.C. TEL : 886-2-2631-4739 FAX : 886-2-2631-9740 JUNGHE ADD : 7FI., No. 758, Jungjeng Rd., Junghe City, Taipei, Taiwan 235, R.O.C. TEL : 886-2-8227-2020 FAX : 886-2-8227-2026 NEIHU ADD : 4FI., No. 339, Hsin Hu 2 nd Rd., Taipei 114, Taiwan, R.O.C. TEL : 886-2-2794-8886 FAX : 886-2-2794-9777 JHUBEI ADD : No.8, Lane 728, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065		TEL	:	886-3-327-3456
TEL : 886-2-2601-1640 FAX : 886-2-2601-1695 DUNGHU ADD : No. 3, Lane 238, Kangle St., Neihu Chiu, Taipei, Taiwan 114, R.O.C. TEL : 886-2-2631-4739 FAX : 886-2-2631-9740 JUNGHE ADD : 7FI., No. 758, Jungjeng Rd., Junghe City, Taipei, Taiwan 235, R.O.C. TEL : 886-2-8227-2020 FAX : 886-2-8227-2626 NEIHU ADD : 4FI., No. 339, Hsin Hu 2 nd Rd., Taipei 114, Taiwan, R.O.C. TEL : 886-2-2794-8886 FAX : 886-2-2794-9777 JHUBEI ADD : No.8, Lane 728, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065		FAX	:	886-3-318-0055
DUNGHU ADD : No. 3, Lane 238, Kangle St., Neihu Chiu, Taipei, Taiwan 114, R.O.C. TEL : 886-2-2631-4739 FAX : 886-2-2631-9740 JUNGHE ADD : 7FI., No. 758, Jungjeng Rd., Junghe City, Taipei, Taiwan 235, R.O.C. TEL : 886-2-8227-2020 FAX : 886-2-8227-2626 NEIHU ADD : 4FI., No. 339, Hsin Hu 2 nd Rd., Taipei 114, Taiwan, R.O.C. TEL : 886-2-2794-8886 FAX : 886-2-2794-9777 JHUBEI ADD : No.8, Lane 728, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065	LINKOU	ADD	:	No. 30-2, Dingfu Tsuen, Linkou Shiang, Taipei, Taiwan 244, R.O.C
DUNGHU ADD : No. 3, Lane 238, Kangle St., Neihu Chiu, Taipei, Taiwan 114, R.O.C. TEL : 886-2-2631-4739 FAX : 886-2-2631-9740 JUNGHE ADD : 7FI., No. 758, Jungjeng Rd., Junghe City, Taipei, Taiwan 235, R.O.C. TEL : 886-2-8227-2020 FAX : 886-2-8227-2626 NEIHU ADD : 4FI., No. 339, Hsin Hu 2 nd Rd., Taipei 114, Taiwan, R.O.C. TEL : 886-2-2794-8886 FAX : 886-2-2794-9777 JHUBEI ADD : No.8, Lane 728, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065		TEL	:	886-2-2601-1640
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FAX : 886-2-2631-9740 JUNGHE ADD : 7FI., No. 758, Jungjeng Rd., Junghe City, Taipei, Taiwan 235, R.O.C. TEL : 886-2-8227-2020 FAX : 886-2-8227-2626 NEIHU ADD : 4FI., No. 339, Hsin Hu 2 nd Rd., Taipei 114, Taiwan, R.O.C. TEL : 886-2-2794-8886 FAX : 886-2-2794-9777 JHUBEI ADD : No.8, Lane 728, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065	DUNGHU	ADD	:	No. 3, Lane 238, Kangle St., Neihu Chiu, Taipei, Taiwan 114, R.O.C.
JUNGHE ADD : 7FI., No. 758, Jungjeng Rd., Junghe City, Taipei, Taiwan 235, R.O.C. TEL : 886-2-8227-2020 FAX : 886-2-8227-2626 NEIHU ADD : 4FI., No. 339, Hsin Hu 2 nd Rd., Taipei 114, Taiwan, R.O.C. TEL : 886-2-2794-8886 FAX : 886-2-2794-9777 JHUBEI ADD : No.8, Lane 728, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065		TEL	:	886-2-2631-4739
TEL : 886-2-8227-2020 FAX : 886-2-8227-2626 NEIHU ADD : 4FI., No. 339, Hsin Hu 2 nd Rd., Taipei 114, Taiwan, R.O.C. TEL : 886-2-2794-8886 FAX : 886-2-2794-9777 JHUBEI ADD : No.8, Lane 728, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065		FAX	:	886-2-2631-9740
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TEL : 886-2-2794-8886 FAX : 886-2-2794-9777 JHUBEI ADD : No.8, Lane 728, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065		FAX	:	886-2-8227-2626
FAX : 886-2-2794-9777 JHUBEI ADD : No.8, Lane 728, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065	NEIHU	ADD	:	4FI., No. 339, Hsin Hu 2 nd Rd., Taipei 114, Taiwan, R.O.C.
JHUBEI ADD : No.8, Lane 728, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065		TEL	:	886-2-2794-8886
TEL: 886-3-656-9065		FAX	:	886-2-2794-9777
1 311 4 311 4 311	JHUBEI	ADD	:	No.8, Lane 728, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.
FAX : 886-3-656-9085		TEL	:	886-3-656-9065
		FAX	:	886-3-656-9085

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 Issued Date
 : Feb. 25, 2011

 FAX: 886-2-2696-2255
 FCC ID
 : YSXRMTP-S1Q-01-D

6. TAF CERTIFICATE OF ACCREDITATION



Certificate No.: L1190-110111

財團法人全國認證基金會 Taiwan Accreditation Foundation

Certificate of Accreditation

This is to certify that

Sporton International Inc.

EMC & Wireless Communications Laboratory

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

is accredited in respect of laboratory

Accreditation Criteria : ISO/IEC 17025:2005

Accreditation Number : 1190

Originally Accredited : December 15, 2003

Effective Period : January 10, 2010 to January 09, 2013

Accredited Scope : Testing Field, see described in the Appendix

Specific Accreditation : Accreditation Program for Designated Testing Laboratory

Program for Commodities Inspection

Accreditation Program for Telecommunication Equipment

Testing Laboratory

Accreditation Program for BSMI Mutual Recognition

Arrangment with Foreign Authorities

Jay-San Chen

President, Taiwan Accreditation Foundation

Date: January 11, 2011

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 TEL: 886-2-2696-2468
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