

WGI Innovations, Ltd.

YN1 REMOTE

Model: YN1-tx


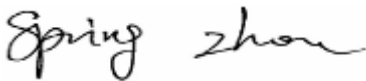
23 August, 2011

Report No.: 11020861-FCC Part 15.231
(This report supersedes NONE)



Modifications made to the product : None

This Test Report is Issued Under the Authority of:

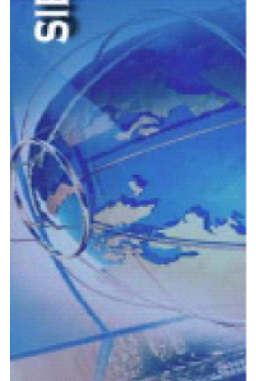
	
Peter Cai Compliance Engineer	Spring Zhou Technical Director

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Test result presented in this test report is applicable to the representative sample only.

RF Test Report

TO: FCC 15.231:2010

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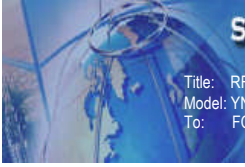
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Country/Region	Accreditation Body	Scope
USA	FCC, A2LA	EMC , RF/Wireless , Telecom
Canada	IC, A2LA, NIST	EMC, RF/Wireless , Telecom
Taiwan	BSMI , NCC , NIST	EMC, RF, Telecom , Safety
Hong Kong	OFTA , NIST	RF/Wireless ,Telecom
Australia	NATA, NIST	EMC, RF, Telecom , Safety
Korea	KCC/RRA, NIST	EMI, EMS, RF , Telecom, Safety
Japan	VCCI, JATE, TELEC, RFT	EMI, RF/Wireless, Telecom
Mexico	NOM, COFETEL, Caniety	Safety, EMC , RF/Wireless, Telecom
Europe	A2LA, NIST	EMC, RF, Telecom , Safety

Accreditations for Product Certifications

Country	Accreditation Body	Scope
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Canada	IC FCB , NIST	EMC , RF , Telecom
Singapore	iDA, NIST	EMC , RF , Telecom
EU	NB	EMC & R&TTE Directive



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1 Executive Summary & EUT information

The purpose of this test programme was to demonstrate compliance of the WGI Innovations, Ltd., YN1 REMOTE, and model: YN1-tx against the current Stipulated Standards. The YN1 REMOTE has demonstrated compliance with the FCC 15.231:2010.

EUT Information

EUT	
Description	YN1 REMOTE
Model No	YN1-tx(Note)
Serial No	N/A
Input Power	12VDC 27A battery
Classification	
Per Stipulated	DSC
Test Standard	

Note: SCA1 has the same design as YN1. The only difference is the board, packages and enclosure coatings.



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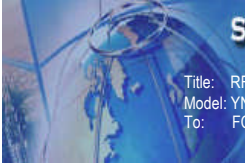
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2 TECHNICAL DETAILS

Purpose	Compliance testing of YN1 REMOTE with stipulated standard
Applicant / Client	WGI Innovations, Ltd. 602 Fountain Parkway Grand Prairie, TX 75050, U.S.A.
Manufacturer	Haojia Electronic (Shenzhen) Ltd. Fangmapu, Gui Hua Village, Guanlan, Baoan, Shenzhen, Guangdong 518110
Laboratory performing the tests	SIEMIC Nanjing (China) Laboratories NO.2-1,Longcang Dadao, Yuhua Economic Development Zone, Nanjing, China Tel:+86(25)86730128/86730129 Fax:+86(25)86730127 Email:info@siemic.com
Test report reference number	11020861-FCC Part 15.231
Date EUT received	29 July, 2011
Standard applied	FCC 15.231:2010
Dates of test	13 August, 2011
No of Units :	1
Equipment Category :	DSC
Trade Name :	Wildgame Innovations
Model :	YN1-tx
RF Operating Frequency (ies)	433.9MHz
Number of Channels :	1
Modulation :	FSK
FCC ID :	YTT-YN1REMOTE



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3 MODIFICATION

NONE

4 TEST SUMMARY

The product was tested in accordance with the following specifications.
All testing has been performed according to below product classification:

Test Results Summary

Test Standard	Description	Pass / Fail
CFR 47 Part 15.231: 2010		
15.203	Antenna Requirement	Pass
15.207	Conducted Emissions Voltage	N/A
15.231(b)	Fundamental & Radiated Spurious Emission	Pass
15.231(c)	20dB Bandwidth	Pass
15.231(a)(1)	Deactivation	Pass

ANSI C63.4: 2009

PS: All measurement uncertainties are not taken into consideration for all presented test result.

Preliminary radiated emission testing has been performed on X, Y, Z axis, only worst case test result is presented in this test report.

5 MEASUREMENTS, EXAMINATION AND DERIVED RESULTS

5.1 Antenna Requirement

Requirement(s): 47 CFR §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.

Antenna requirement must meet at least one of the following:

- a) Antenna must be permanently attached to the device.
- b) Antenna must use a unique type of connector to attach to the device.
- c) Device must be professionally installed. Installer shall be responsible for ensuring that the correct antenna is employed with the device.

The antenna is permanently attached to the device which meets the requirement.

5.2 Conducted Emissions Voltage

Requirement:

Frequency of emission (MHz)	Conducted limit (dBμV)	
	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.

Procedures:

1. All possible modes of operation were investigated. Only the 6 worst case emissions measured, using the correct CISPR and Average detectors, are reported. All other emissions were relatively insignificant.
2. A "-ve" margin indicates a PASS as it refers to the margin present below the limit line at the particular frequency.
3. Conducted Emissions Measurement Uncertainty
All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 9kHz – 30MHz (Average & Quasi-peak) is ±3.5dB.
4. Environmental Conditions

Temperature	23°C
Relative Humidity	50%
Atmospheric Pressure	1019mbar
5. Test date : N/A
Tested By : Peter Cai

Test result: N/A (Batteries operated)

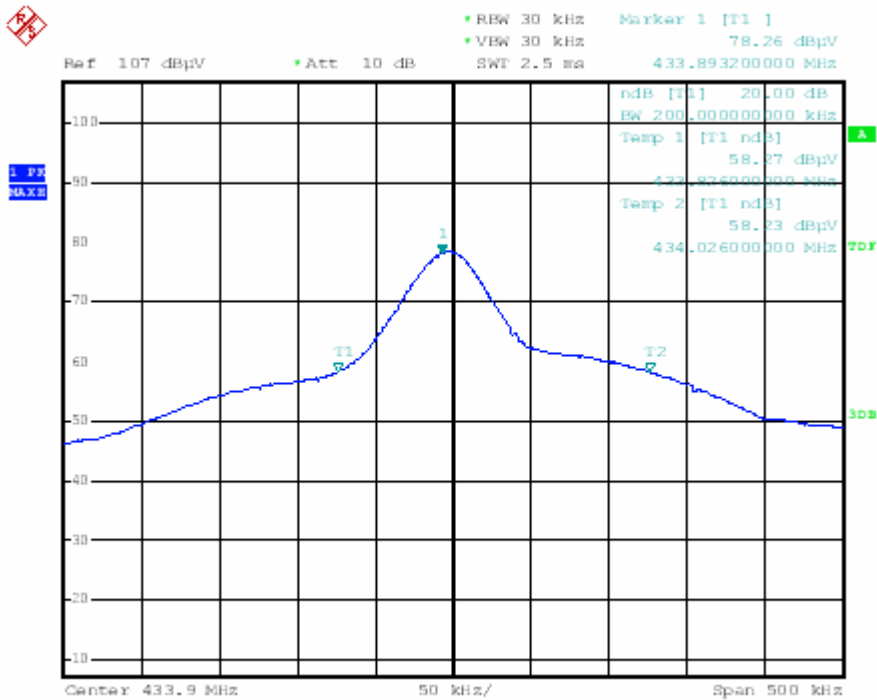
5.3 20dB Occupied Bandwidth

1. 20dB bandwidth was measured by conducted method using a spectrum analyzer.
2. Environmental Conditions

Temperature	23°C
Relative Humidity	51%
Atmospheric Pressure	1009mbar
3. Test Date: 13 August, 2011
Test By: Peter Cai

Test Result:

Fundamental Frequency (MHz)	Measured 20dB Bandwidth (KHz)	FCC 15.231 Limit (KHz)	Result
433.9	200.0	1084.75	Pass



5.4 Radiated Fundamental and Spurious Emission

1. Radiated emissions were measured according to ANSI C63.4. The EUT was set 3 meter away from the measuring antenna. The loop antenna was positioned 1meter above the ground from the center of the loop. The measuring bandwidth was set to 10KHz. All possible modes of operation were investigated. Only the worst case emissions measured, All other emissions were relatively insignificant.
2. A "-ve" margin indicates a PASS as it refers to the margin present below the limit line at the particular frequency.
3. Sample Calculation: Corrected Amplitude=Raw Amplitude(dBuV/m)+ACF(dB)+Cable Loss(dB)-Distance Correction Factor.
Sample Calculation:
1) Corrected Amplitude= Raw Amplitude(dBuV/m)+ACF(dB)+Cable Loss(dB)-Distance Correction Factor
2) Average = peak reading + 20log(duty cycle)
4. Radiated Emissions Measurement Uncertainty
All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz – 1GHz(QP only3m & 10m) is +5.6/-4.5dB(for EUTs<0.5m×0.5m×0.5m).In range of 1-40GHz) is ±3.6dB.
5. Environmental Conditions

Temperature	23°C
Relative Humidity	51%
Atmospheric Pressure	1009mbar
6. Test date : 13 August, 2011
Tested By : Peter Cai

Standard Requirement:

Fundamental frequency (MHz)	Field strength of fundamental (microvolts/meter)	Field strength of spurious emissions (microvolts/meter)
40.66-40.70	2250	225
70-130	1250	125
130-174	1250 to 3750	125 to 375
174-260	3750	375
260-470	3750-12500	375 to 1250
Above 470	12500	1250

Note: All 3 axes have been investigated. Only worst case is presented in the test report.

Test Result: Pass

Fundamental Measurement @ 433.9MHz @3 Meter FCC 15.231(a)

Frequency (MHz)	Reading (dBuV/m)	Azimuth	Polarity	Height(m)	Factors(dB)	FCC 15.231(a) Limit (dBuV)	Margin(dB)	Comments
433.9	81.61	220.00	V	112.00	-27.69	100.8	-19.19	Peak
433.9	78.18	220.00	V	112.00	-27.69	80.8	-2.62	Ave
433.9	69.98	162.00	H	190.00	-27.07	100.8	-30.82	Peak
433.9	66.55	162.00	H	190.00	-27.07	80.8	-14.25	Ave

Spurious Emissions (<1GHz) Measurement @ 3 Meter FCC 15.231(a)

Frequency (MHz)	Reading (dBuV/m)	Azimuth	Polarity	Height(m)	Factors(dB)	FCC 15.231(a) Limit (dBuV)	Margin(dB)	Comments
867.8	62.90	235.00	V	110.00	-19.04	80.8	-17.9	Peak
867.8	59.47	235.00	V	110.00	-19.04	60.8	-1.33	Ave
867.8	62.05	131.00	H	102.00	-18.60	80.8	-18.75	Peak
867.8	58.62	131.00	H	102.00	-18.60	60.8	-2.18	Ave

- Notes: 1. Duty cycle is 67.41%, $20\log(\text{duty cycle}) = -3.43\text{dB}$ correction was used to determine the average level from the peak reading. Average = peak reading + $20\log(\text{duty cycle})$,
Final Average= peak reading-3.43dB
2. All the data measurement of peak values.
3. FCC Limit for Average Measurement= $41.6667(433.9)-7083.3333=10995.84783 \mu\text{V/m}=80.8\text{dB} \mu\text{V/m}$
4. Average pulsed signal over one complete pulse train or 100 ms time frame if pulse train exceeds 100 ms
5. Maximum average in 100 ms
6. Calculate duty cycle for pulse train or 100 ms
7. Duty cycle = $(t_1 + t_2 + t_3 + \dots + t_n)/T$ where t_n = pulse width, T = pulse train length or 100 ms

Spurious Emissions (>1GHz) Measurement @ 3 Meter FCC 15.231(a)

Frequency	Direction	Height	Polar	Antenna Loss	Cable Loss	Amplifier	Reading	FCC 15.231		
GHz	Degree	Meter	H/V	(dB)	(dB)	(dB)	(dBuV/m)	Limit (dBuV/m)	Margin	Comments
1.302	0	1.36	H	25.33	5.2	55	49.03	80.8	-31.77	Peak
1.302	0	1.36	H	25.33	5.2	55	45.60	60.8	-15.20	Avg
1.736	24	1.42	H	25.16	5.5	55	50.33	80.8	-30.47	Peak
1.736	24	1.42	H	25.16	5.5	55	46.90	60.8	-13.90	Avg
2.170	10	1.26	H	24.52	6.1	55	46.63	80.8	-34.17	Peak
2.170	10	1.26	H	24.52	6.1	55	43.20	60.8	-17.60	Avg
2.603	3	1.15	H	24.24	6.3	55	44.93	80.8	-35.87	Peak
2.603	3	1.15	H	24.24	6.3	55	41.50	60.8	-19.30	Avg
3.037	26	1.08	H	23.9	6.7	55	43.03	80.8	-37.77	Peak
3.037	26	1.08	H	23.9	6.7	55	39.60	60.8	-21.20	Avg
3.471	19	1.32	H	28.51	6.9	55	41.43	80.8	-39.37	Peak
3.471	19	1.32	H	28.51	6.9	55	38.00	60.8	-22.80	Avg
3.905	27	1.28	H	31.43	7.1	55	40.93	80.8	-39.87	Peak
3.905	27	1.28	H	31.43	7.1	55	37.50	60.8	-23.30	Avg
4.339	12	1.20	H	32.55	7.3	55	36.93	80.8	-43.87	Peak
4.339	12	1.20	H	32.55	7.3	55	33.50	60.8	-27.30	Avg
1.302	348	1.25	V	25.33	5.2	55	51.33	80.8	-29.47	Peak
1.302	348	1.25	V	25.33	5.2	55	47.90	60.8	-12.90	Avg
1.736	11	1.34	V	25.16	5.5	55	48.63	80.8	-32.17	Peak
1.736	11	1.34	V	25.16	5.5	55	45.20	60.8	-15.60	Avg
2.170	20	1.06	V	24.52	6.1	55	46.43	80.8	-34.37	Peak
2.170	20	1.06	V	24.52	6.1	55	43.00	60.8	-17.80	Avg
2.603	6	1.23	V	24.24	6.3	55	44.63	80.8	-36.17	Peak
2.603	6	1.23	V	24.24	6.3	55	41.20	60.8	-19.60	Avg
3.037	32	1.18	V	23.9	6.7	55	43.13	80.8	-37.67	Peak
3.037	32	1.18	V	23.9	6.7	55	39.70	60.8	-21.10	Avg
3.471	29	1.07	V	28.51	6.9	55	41.63	80.8	-39.17	Peak
3.471	29	1.07	V	28.51	6.9	55	38.20	60.8	-22.60	Avg
3.905	41	1.07	V	31.43	7.1	55	40.83	80.8	-39.97	Peak
3.905	41	1.07	V	31.43	7.1	55	37.40	60.8	-23.40	Avg
4.339	33	1.00	V	32.55	7.3	55	36.53	80.8	-44.27	Peak
4.339	33	1.00	V	32.55	7.3	55	33.10	60.8	-27.70	Avg

Note: Duty cycle is 67.41%, $20\log(\text{duty cycle}) = -3.43\text{dB}$ correction was used to determine the average level from the peak reading. Average = peak reading + $20\log(\text{duty cycle})$, final Average= peak reading-3.43dB

Note: Because the Pulse Emission Bandwidth is less than measuring Bandwidth, so the PDCF is not needed.



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Pulse Duty Cycle:

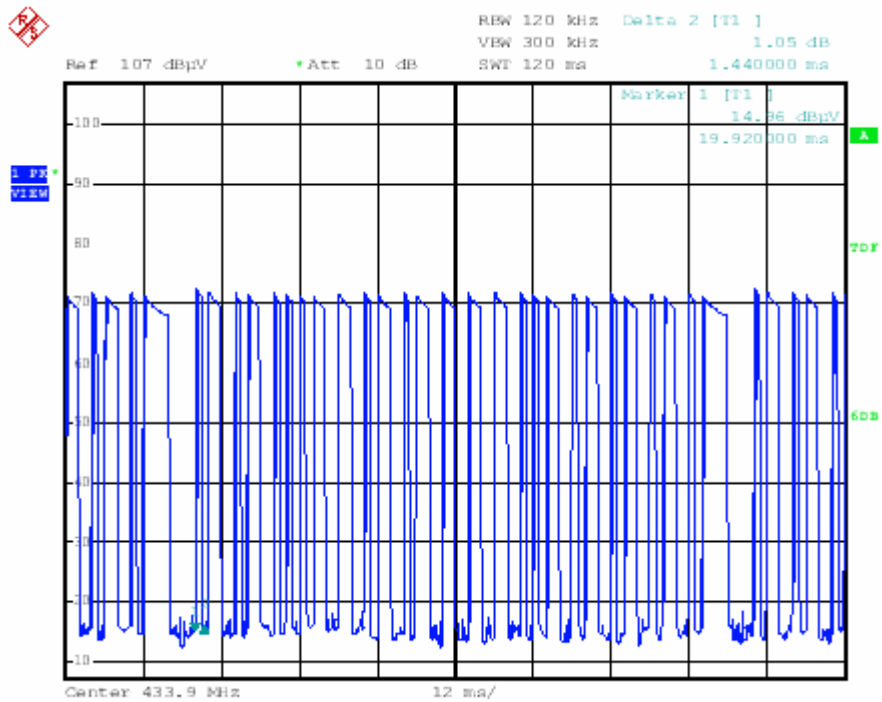
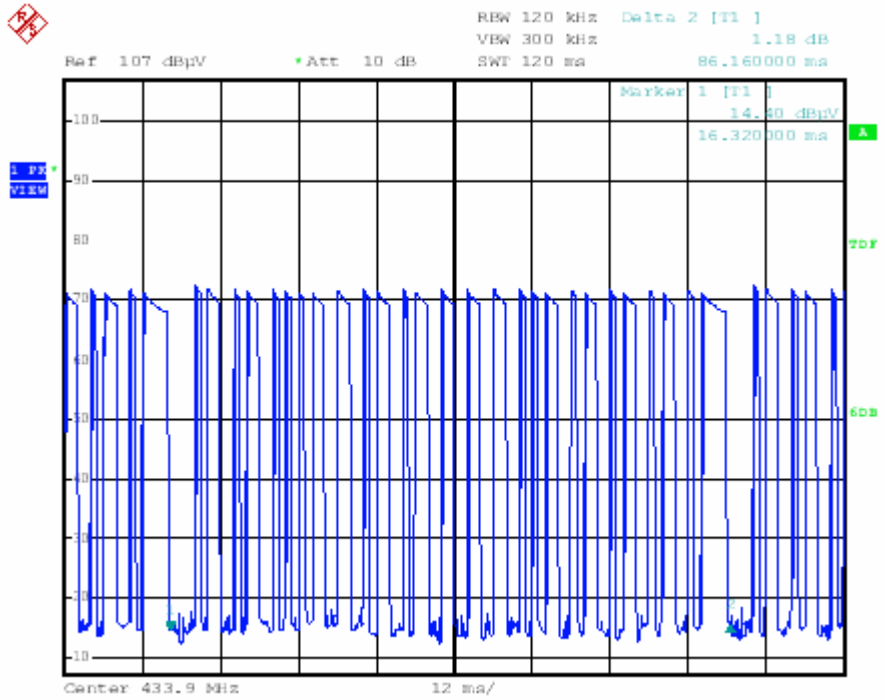
Wide Pulse: 5.04ms

Middle Pulse: 2.64ms

Narrow Pulse: 1.44ms

Duty cycle= $(5.04*1+2.64*13+1.44*13)/86.16 = 67.41\%$

Average Duty Factor: $20*\log(\text{Duty Cycle}) = -3.43\text{dB}$



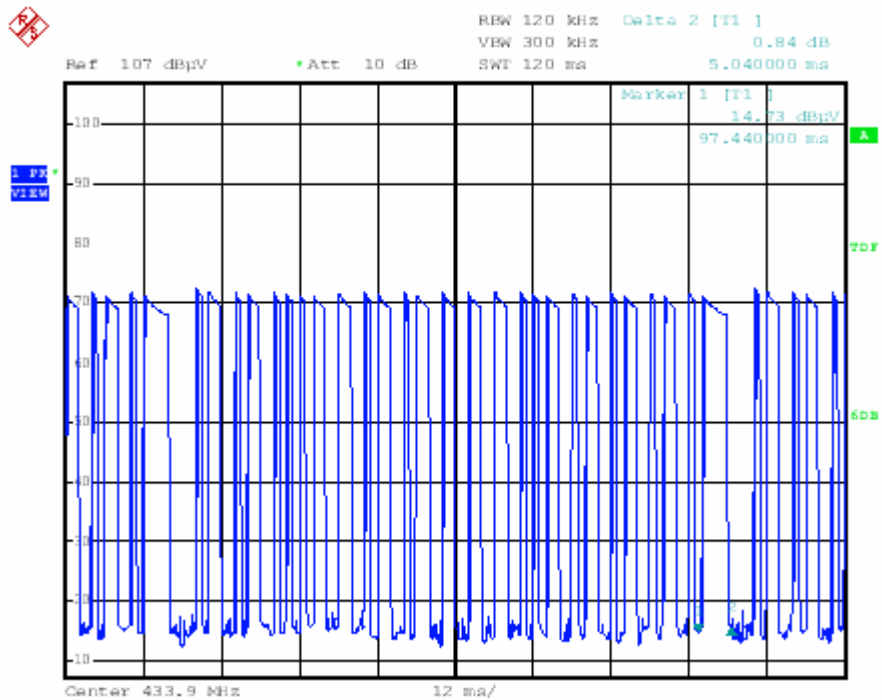
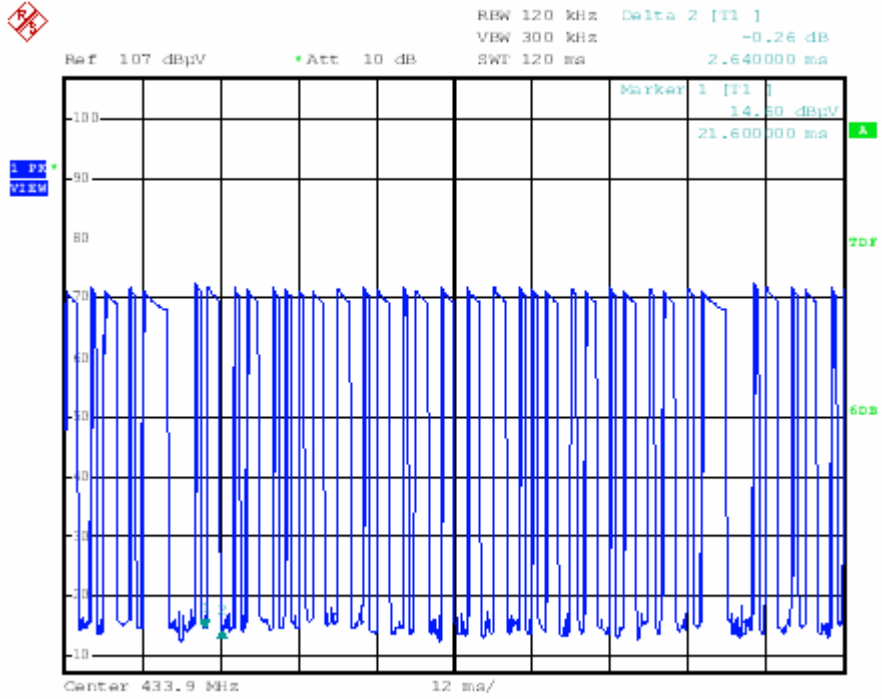


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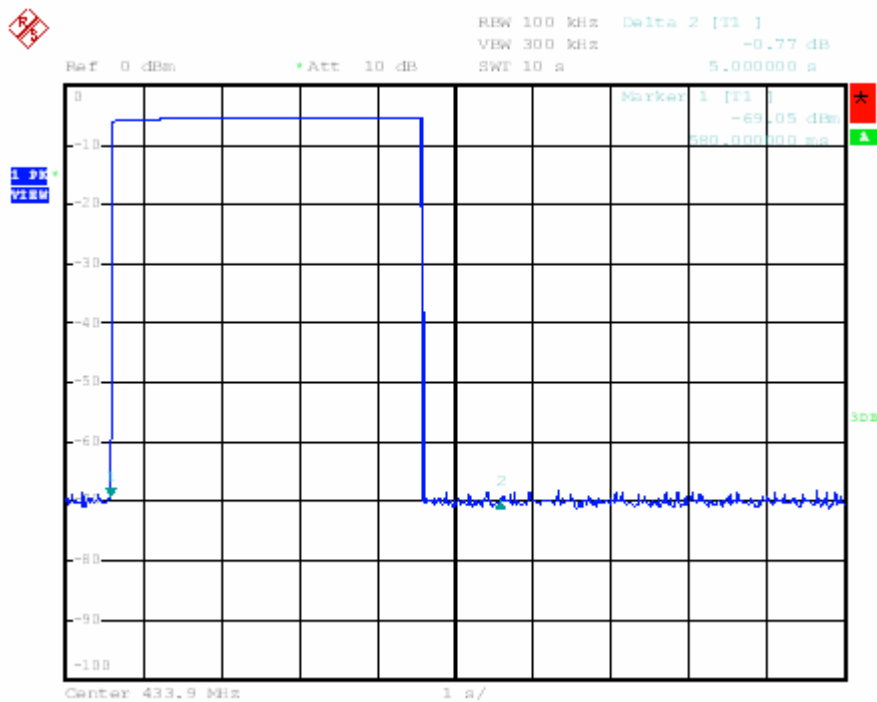
5.5 Deactivation

- Deactivation was measured by conducted method using a spectrum analyzer.
- Environmental Conditions

Temperature	23°C
Relative Humidity	51%
Atmospheric Pressure	1009mbar
- Test Data: 13 August, 2011
 Test By: Peter Cai

Standard requirement: 47 CFR §15.231 (a)(1)
 Release Time <5 seconds

Test Result: Pass



Annex A. TEST INSTRUMENT & METHOD

Annex A.i. TEST INSTRUMENTATION & GENERAL PROCEDURES

Instrument	Manufacturer	Model	CAL Due Date
Spectrum Analyzer	HP	8563 E	2012.05.26
EMI Receiver	Rohde & Schwarz	ESPI 3	2012.05.26
Antenna (30MHz~2GHz)	Sunol Sciences	JB1	2011.10.04
Horn Antenna (1~18GHz)	A-INFOMW	JXTXLB-10180	2011.10.04
Horn Antenna (1~18GHz)	N/A	N/A	2011.10.04
Pre-Amplifier(0.01 ~ 1.3GHz)	HP	8447F	2012.05.26
Pre-Amplifier(0.1 ~ 18GHz)	MITEQ	AMF-7D-00101800-30- 10P	2012.05.26

Annex A.ii. CONDUCTED EMISSIONS TEST DESCRIPTION

Test Set-up

1. The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m x 1m x 0.8m high, non-metallic table, as shown in Annex B.
2. The power supply for the EUT was fed through a 50Ω/50μH EUT LISN, connected to filtered mains.
3. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss coaxial cable.
4. All other supporting equipments were powered separately from another main supply.

Test Method

1. The EUT was switched on and allowed to warm up to its normal operating condition.
2. A scan was made on the NEUTRAL line (for AC mains) or Earth line (for DC power) over the required frequency range using an EMI test receiver.
3. High peaks, relative to the limit line, were then selected.
4. The EMI test receiver was then tuned to the selected frequencies and the necessary measurements made with a receiver bandwidth setting of 10 KHz. For FCC tests, only Quasi-peak measurements were made; while for CISPR/EN tests, both Quasi-peak and Average measurements were made.
5. Steps 2 to 4 were then repeated for the LIVE line (for AC mains) or DC line (for DC power).

Sample Calculation Example

At 20 MHz	limit = 250 μV = 47.96 dBμV
Transducer factor of LISN, pulse limiter & cable loss at 20 MHz = 11.20 dB	
Q-P reading obtained directly from EMI Receiver = 40.00 dBμV (Calibrated for system losses)	
Therefore, Q-P margin = 47.96 – 40.00 = 7.96	i.e. 7.96 dB below limit

Annex A. iii. RADIATED EMISSIONS TEST DESCRIPTION

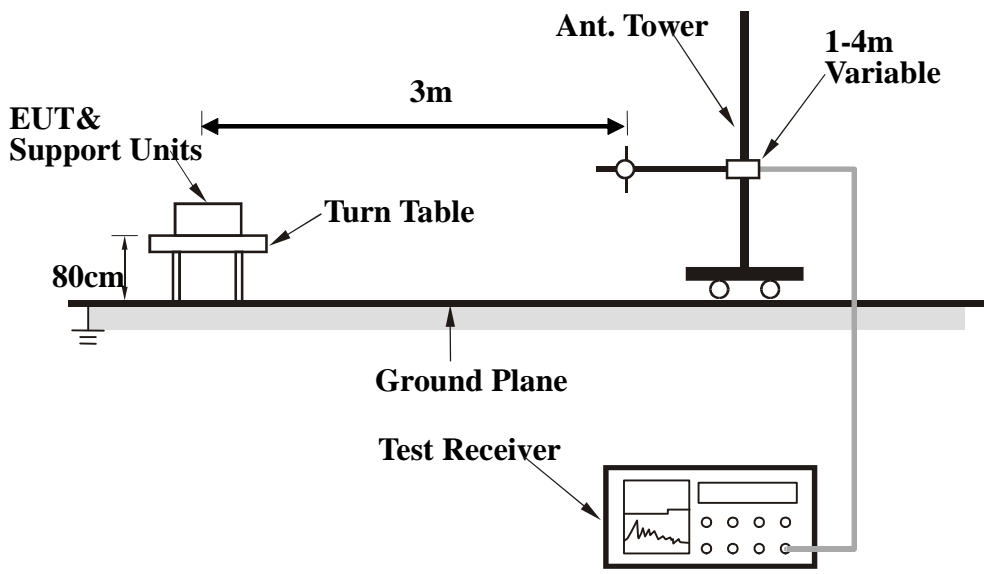
EUT Characterisation

EUT characterisation, over the frequency range from 30MHz to 10th Harmonic, was done in order to minimise radiated emissions testing time while still maintaining high confidence in the test results.

The EUT was placed in the chamber, at a height of about 0.8m on a turntable. Its radiated emissions frequency profile was observed, using a spectrum analyzer /receiver with the appropriate broadband antenna placed 3m away from the EUT. Radiated emissions from the EUT were maximised by rotating the turntable manually, changing the antenna polarisation and manipulating the EUT cables while observing the frequency profile on the spectrum analyzer / receiver. Frequency points at which maximum emissions occurred, clock frequencies and operating frequencies were then noted for the formal radiated emissions test at the Open Area Test Site (OATS).

Test Set-up

1. The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m X 1.0m X 0.8m high, non-metallic table.
2. The filtered power supply for the EUT and supporting equipment were tapped from the appropriate power sockets located on the turntable.
3. The relevant broadband antenna was set at the required test distance away from the EUT and supporting equipment boundary.



Test Method

The following procedure was performed to determine the maximum emission axis of EUT:

1. With the receiving antenna is H polarization, rotate the EUT in turns with three orthogonal axes to determine the axis of maximum emission.
2. With the receiving antenna is V polarization, rotate the EUT in turns with three orthogonal axes to determine the axis of maximum emission.
3. Compare the results derived from above two steps. So, the axis of maximum emission from EUT was determined and the configuration was used to perform the final measurement.

Final Radiated Emission Measurement

1. Setup the configuration according to figure 1. Turn on EUT and make sure that it is in normal function.
2. For emission frequencies measured below 1 GHz, a pre-scan is performed in a shielded chamber to determine the accurate frequencies of higher emissions will be checked on a open test site. As the same purpose, for emission frequencies measured above 1 GHz, a pre-scan also be performed with a 1 meter measuring distance before final test.
3. For emission frequencies measured below and above 1 GHz, set the spectrum analyzer on a 100 kHz and 1 MHz resolution bandwidth respectively for each frequency measured in step 2.
4. The search antenna is to be raised and lowered over a range from 1 to 4 meters in horizontally polarized orientation. Position the highness when the highest value is indicated on spectrum analyzer, then change the orientation of EUT on test table over a range from 0 ° to 360 ° with a speed as slow as possible, and keep the azimuth that highest emission is indicated on the spectrum analyzer. Vary the antenna position again and record the highest value as a final reading.
5. Repeat step 4 until all frequencies need to be measured were complete.
6. Repeat step 5 with search antenna in vertical polarized orientations.

During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

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

Sample Calculation Example

The field strength is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain (if any) from the measured reading. For the limit is employed average value, therefore the peak value can be transferred to average value by subtracting the duty factor. The basic equation with a sample calculation is as follows:

$$\text{Peak} = \text{Reading} + \text{Corrected Factor}$$

where

$$\text{Corr. Factor} = \text{Antenna Factor} + \text{Cable Factor} - \text{Amplifier Gain (if any)}$$

And the average value is

$$\text{Average} = \text{Peak Value} + \text{Duty Factor or}$$

$$\text{Set RBW} = 1\text{MHz, VBW} = 10\text{Hz.}$$

Note:

If the measured frequencies are fall in the restricted frequency band, the limit employed must be quasi peak value when frequencies are below or equal to 1 GHz. And the measuring instrument is set to quasi peak detector function.

Annex B. EUT AND TEST SETUP PHOTOGRAPHS

Annex B.i. Photograph : EUT External Photo



Front View of EUT



Rear View of EUT



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Top View of EUT



Bottom View of EUT



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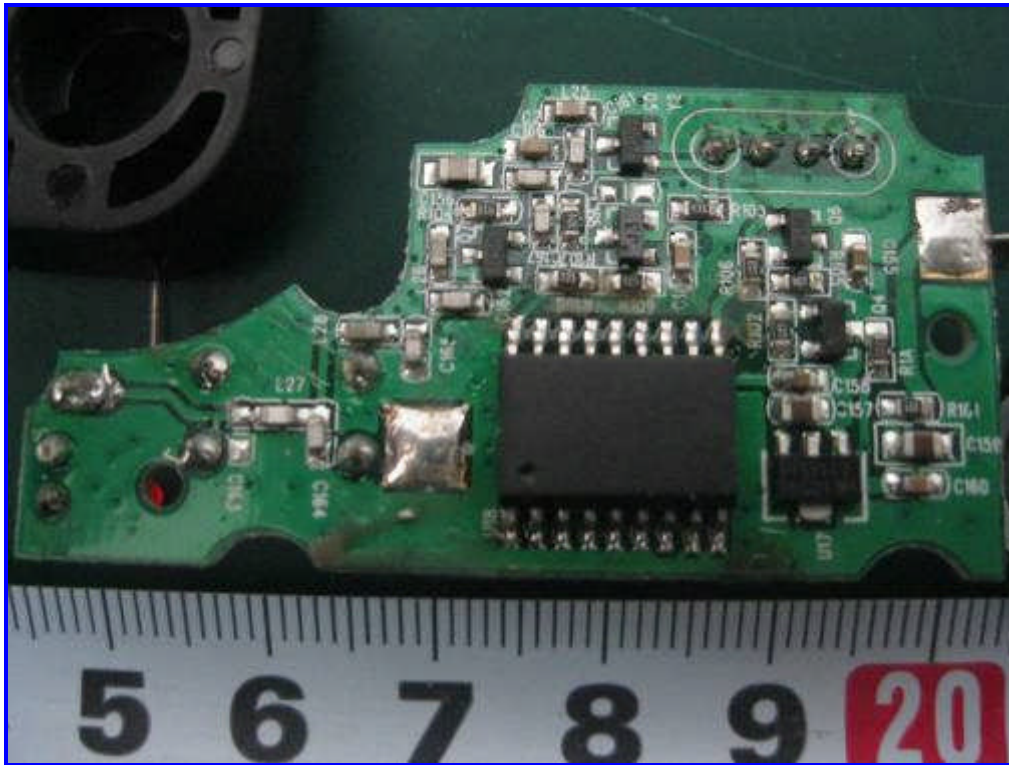


Left View of EUT

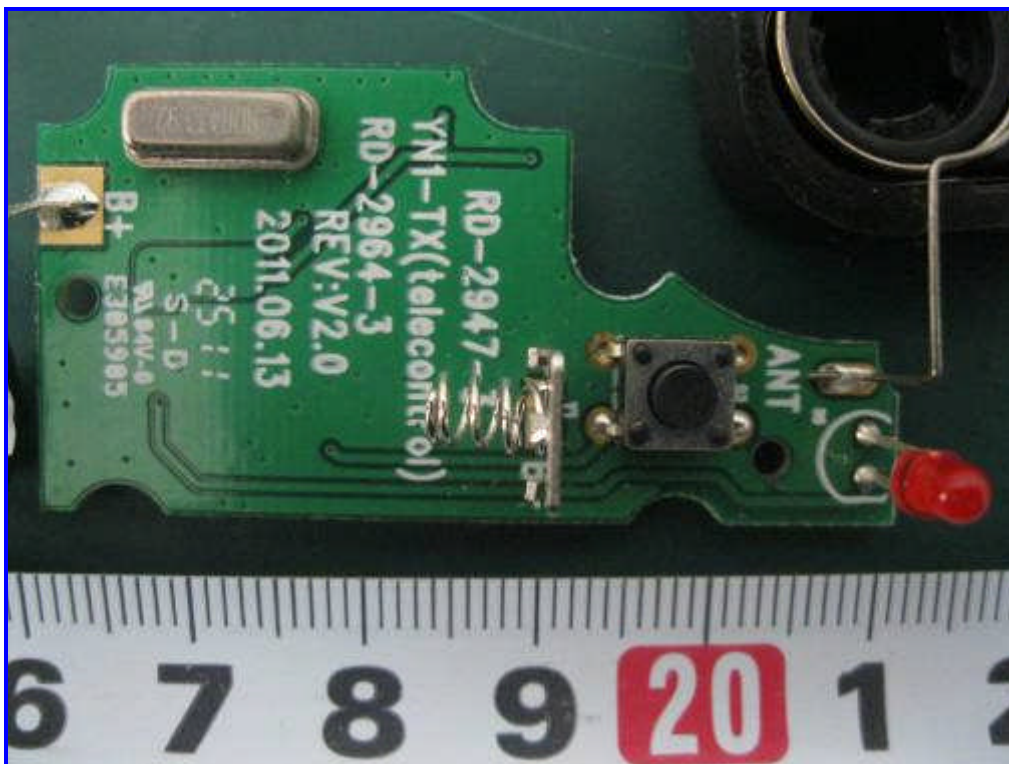


Right View of EUT

Annex B.ii. Photograph : EUT Internal Photo

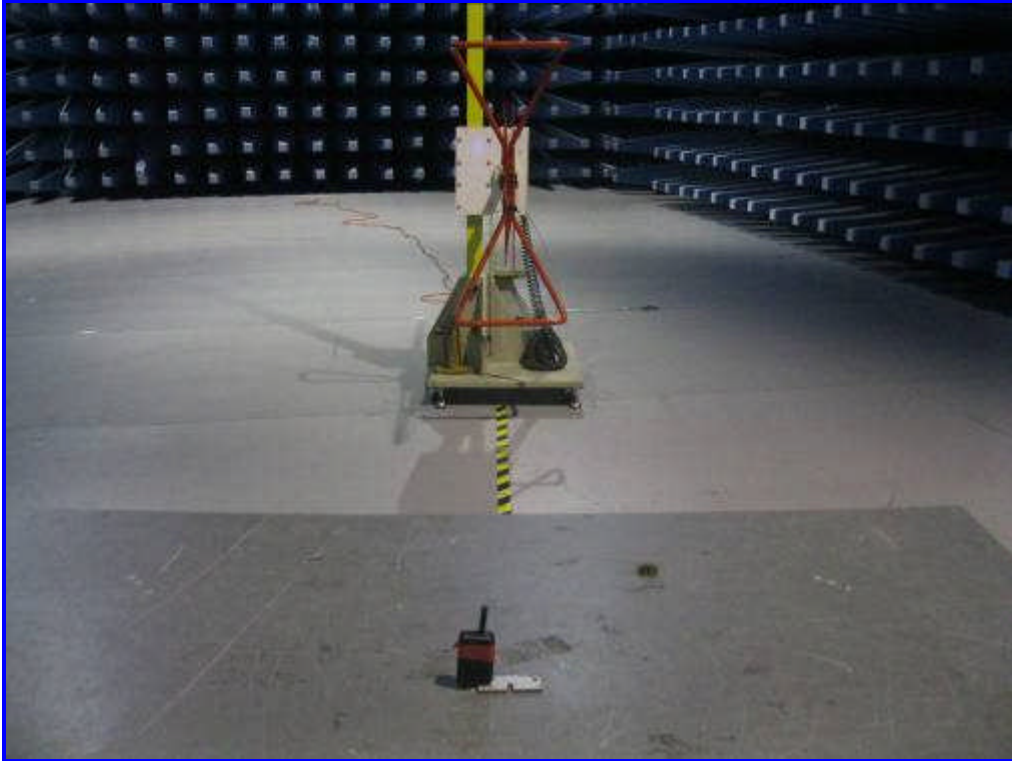


Front View of Main PCB Board



Rear View of Main PCB Board

Annex B.iii. Photograph : Test Setup Photo



Radiated Emission Test Setup Front View Below 1GHz



Radiated Emission Test Setup Front View Above 1GHz



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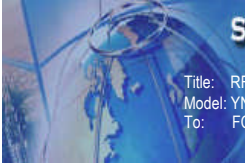
Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

EUT TEST CONDITIONS

Annex C. i. SUPPORTING EQUIPMENT DESCRIPTION

The following is a description of supporting equipment and details of cables used with the EUT.

Equipment Description (Including Brand Name)	Model & Serial Number	Cable Description (List Length, Type & Purpose)
N/A	N/A	N/A



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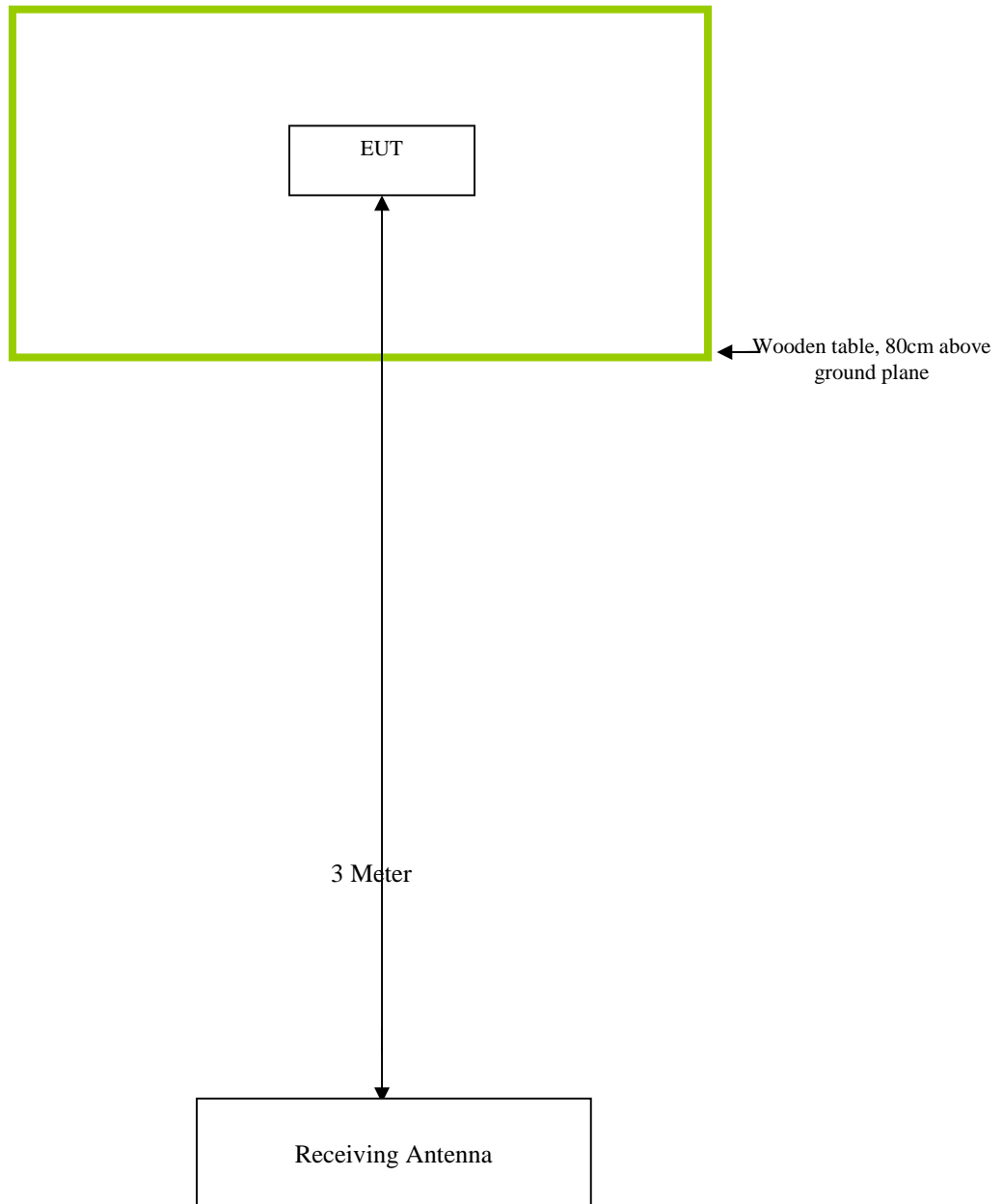
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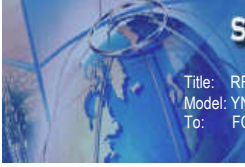
Block Configuration Diagram for Conducted Emission

N/A



Block Configuration Diagram for Radiated Emission

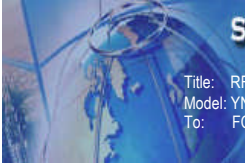




Annex C.ii. EUT OPERATING CONDITIONS

The following is the description of how the EUT is exercised during testing.

Test	Description Of Operation
Emissions Testing	TX mode is continuous transmitting with full power.



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Annex D. USER MANUAL / BLOCK DIAGRAM / SCHEMATICS / PART LIST

Please see attachment

Annex E. SIEMIC ACCREDITATION CERTIFICATES

SIEMIC ACCREDITATION DETAILS: FCC Registration NO:986914





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SIEMIC ACCREDITATION DETAILS: FCC Listing, Registration NO:986914

FEDERAL COMMUNICATIONS COMMISSION

Laboratory Division
7435 Oakland Mills Road
Columbia, MD 21046

April 19, 2011

Registration Number: 986914

SIEMIC Nanjing (China) Laboratories
2-1 Longcang Avenue,
Yuhua Economic and Technology Development Park,
Nanjing, 210039
China

Attention: Leslie Bai,

Re: Measurement facility located at 2-1 Longcang Avenue, Nanjing, China
Anechoic chamber (3 meters) and 3&10 meter OATS
Date of Renewal: April 19, 2011

Dear Sir or Madam:

Your request for renewal of the registration of the subject measurement facility has been received. The information submitted has been placed in your file and the registration has been renewed. The name of your organization will remain on the list of facilities whose measurement data will be accepted in conjunction with applications for Certification under Parts 15 or 18 of the Commission's Rules. Please note that the file must be updated for any changes made to the facility and the registration must be renewed at least every three years.

Measurement facilities that have indicated that they are available to the public to perform measurement services on a fee basis may be found on the FCC website www.fcc.gov under E-Filing, OET Equipment Authorization Electronic Filing, Test Firms.

Sincerely,

Phyllis Parrish
Industry Analyst



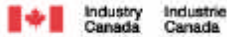
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SIEMIC ACCREDITATION DETAILS: Industry of Canada Registration No. 4842



January 25, 2011

OUR FILE: 46405-4842
Submission No: 145222

Siemic Nanjing (China) Laboratories
2-1 Longcang Avenue
Yuhua Economic & Technology Dev. Park, Nanjing
China

Attention: Leslie Bai

Dear Sir/Madame:

The Bureau has received your application for the registration of a 3/10m OATS. Be advised that the information received was satisfactory to Industry Canada. The following number(s) is now associated to the site(s) for which registration / renewal was sought (Site# 4842B-2). Please reference the appropriate site number in the body of test reports containing measurements performed on the site. In addition, please keep for your records the following information;

- The company address code associated to the site(s) located at the above address is: **4842B**

Furthermore, to obtain or renew a unique site number, the applicant shall demonstrate that the site has been accredited to ANSI C63.4-2003 or later. A scope of accreditation indicating the accreditation by a recognized accreditation body to ANSI C63.4-2003 or later shall be accepted. Please indicate in a letter the previous assigned site number if applicable and the type of site (example: 3 metre OATS or 3 metre chamber). If the test facility is not accredited to ANSI C63.4-2003 or later, the test facility shall submit test data demonstrating full compliance with the ANSI standard. The Bureau will evaluate the filing to determine if recognition shall be granted.

The frequency for re-validation of the test site and the information that is required to be filed or retained by the testing party shall comply with the requirements established by the accrediting organization. However, in all cases, test site re-validation shall occur on an interval not to exceed three years. There is no fee or form associated with an OATS filing. OATS submissions are encouraged to be submitted electronically to the Bureau using the following URL;
http://strategis.ic.gc.ca/epic/internet/inceb-bhst.nsf/en/h_tr00052e.html.

If you have any questions, you may contact the Bureau by e-mail at certification.bureau@ic.gc.ca Please reference our file and submission number above for all correspondence.

Yours sincerely,

Dalwinder Gill
For: Wireless Laboratory Manager
Certification and Engineering Bureau
3701 Carling Ave., Building 94
P.O. Box 11490, Station "H"
Ottawa, Ontario K2H 8S2
Email: dalwinder.gill@ic.gc.ca
Tel. No. (613) 998-8363
Fax. No. (613) 990-4752