

FCC 47 CFR PART 15 SUBPART C

TEST REPORT

For RealEase Limited Digital Photo Frame

Model: SG080, SG081, SG081A

Trade Name: SHOGO

Prepared for

RealEase Limited 15/F, Morrison Commercial Building, 31 Morrison Hill Road, Wanchai Hong Kong

Prepared by

SINTEK LABORATORY CO., LTD.
No. 7, XINSHIDAI INDUSTRIAL, GUANTIAN VILLAGE,
SHIYAN TOWN, BAOAN DISTRICT, SHENZHEN, GUANGDONG, P.R.C.

TEL: 86-755-27604866 FAX: 86-755-27608359

Note: This report shall not be reproduced except in full, without the written approval of Sintek Laboratory CO., Ltd. This document may be altered or revised by Sintek Laboratory Co., Ltd. personnel only, and shall be noted in the revision section of the document.



TABLE OF CONTENTS

1. T	EST RESULT CERTIFICATION	3
2. E	UT DESCRIPTION	4
3. T	EST METHODOLOGY	5
3.1 3.2	EUT CONFIGURATION	
3.3	GENERAL TEST PROCEDURES	5
3.4	FCC PART 15.205 RESTRICTED BANDS OF OPERATIONS	6
3.5	DESCRIPTION OF TEST MODES	6
4. IN	NSTRUMENT CALIBRATION	7
5. F.	ACILITIES AND ACCREDITATIONS	8
5.1	FACILITIES	8
5.2	EQUIPMENT	
5.3	LABORATORY ACCREDITATIONS AND LISTING	8
6. Sl	ETUP OF EQUIPMENT UNDER TEST	9
6.1	SETUP CONFIGURATION OF EUT	9
6.2	SUPPORT EQUIPMENT	9
7. F	CC PART 15.249 REQUIREMENTS	10
7.1	BAND EDGES MEASUREMENT	10
7.2	RADIATED EMISSIONS	13
7.3	POWER LINE CONDUCTED EMISSIONS	20
8. A	PPENDIX 1 PHOTOGRPHS OF TEST SETUP	23



1. TEST RESULT CERTIFICATION

Applicant: RealEase Limited

15/F, Morrison Commercial Building, 31 Morrison Hill Road,

Wanchai, Hong Kong

Equipment Under Test: Digital Photo Frame

Trade Name: SHOGO

Model: SG080, SG081, SG081A

Date of Test: Nov2 ~27, 2007

Report No.: ST0710037 **FCC ID:** VTXSG08

APPLICABLE STANDARDS					
STANDARD TEST RESULT					
FCC Part 15 Subpart C	No non-compliance noted				

We hereby certify that:

The above equipment was tested by SINTEK LABORATORY CO., LTD.

The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4: 2001 and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 15.249.

The test results of this report relate only to the tested sample identified in this report.

Approved by: Reviewed by:

Form Lo Salon



TEL: +86-755-27604866 FAX: +86-755-27608359

2. EUT DESCRIPTION

Product	Digital Photo Frame
Trade Name	SHOGO
Model Number	SG080, SG081, SG081A
Model Discrepancy	N/A
Power Supply	DC 5.0V by adapter
Frequency Range	2410 ~ 2480 MHz
Antenna Specification	The EUT'S antenna is integrated on the main PCB
Number of Channels	71 Channels

Note: This submittal(s) (test report) is intended for FCC ID: VTXSG08 filing to comply with Section 15.249 of the FCC Part 15, Subpart C Rules.



3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.4 and FCC CFR 47 2.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055, 2.1057, and 15.249.

3.1EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

3.2EUT EXERCISE

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

According to its specifications, the EUT must comply with the requirements of the Section 15.249 under the FCC Rules Part 15 Subpart C.

3.3GENERAL TEST PROCEDURES

Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 of ANSI C63.4: 2001, Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max emission, the relative positions of this hand-held transmitter (EUT) were rotated through three orthogonal axes according to the requirements in Section 13.1.4.1 of ANSI C63.4: 2001.



TEL: +86-755-27604866 FAX: +86-755-27608359

3.4FCC PART 15.205 RESTRICTED BANDS OF OPERATIONS

Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

	_	_	_
MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	$\binom{2}{}$
13.36 - 13.41			

¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

3.5DESCRIPTION OF TEST MODES

The EUT has been tested under operating condition.

Test program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

Channel low (2410MHz), Ch mid (2440MHz), Ch high (2480MHz), , with highest data rate (worst case) are chosen for full testing.

² Above 38.6



4. INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.



5. FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

All measurement facilities used to collect the measurement data are located at No. 7,Xinshidai industrial, Guantian Village, Shiyan Town, Baoan District Shenzhen, China.

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

5.2EQUIPMENT

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, bi-conical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

5.3LABORATORY ACCREDITATIONS AND LISTING

Site on file with the FCC: The certificate registration number is 963441 for 3&10M OATS

Site listed with the VCCI: The certificate registration number is R-2023 and c-2178 for 3&10M OATS



6. SETUP OF EQUIPMENT UNDER TEST

6.1SETUP CONFIGURATION OF EUT

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

6.2 SUPPORT EQUIPMENT

No.	Equipment	Model #	Serial #	Trade Name	Data Cable	Power Cord
1.	PC	PC2	N/A	N/A	N/A	Unshielded, 1.8m
2.	Printer	P320A	DQYK006399	EPSON STYLUS C60	Shielded 1.5m	Unshielded 1.8m
3.	Mouse	3D SWW-22	N/A	SHUANGFEIY AN	Shielded 1.5m	N/A
4.	Modem	EDVM-CF56T HCF	G9TTAI-25564-M5-E	WONDA	Shielded 1.5 m	Unshielded 1.8 m
5	Monitor	170X5	BZ000526110036	PHILIPS	Shielded 1.5 m	Unshielded 1.8m

Notes:

All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.



7. FCC PART 15.249 REQUIREMENTS

7.1BAND EDGES MEASUREMENT

LIMIT

According to §15.249(d), Emissions radiated outside of the specified frequency band, except for harmonics, shall be attenuated by at least 50dB below the level of the fundamental or to the general radiated emission limits in section15.209, whichever is the lesser attenuation.

MEASUREMENT EQUIPMENT USED

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	ADVANTEST	R3132	140301570	06/12/2007

Remark: Each piece of equipment is scheduled for calibration once a year.

Test Configuration

TEST PROCEDURE

Place the EUT on the table and set it in the transmitting mode.

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

Set the spectrum analyzer as RBW = 1MHz, VBW = RBW, Sweep = auto.

Repeat until all the rest channels are investigated.

TEST RESULTS

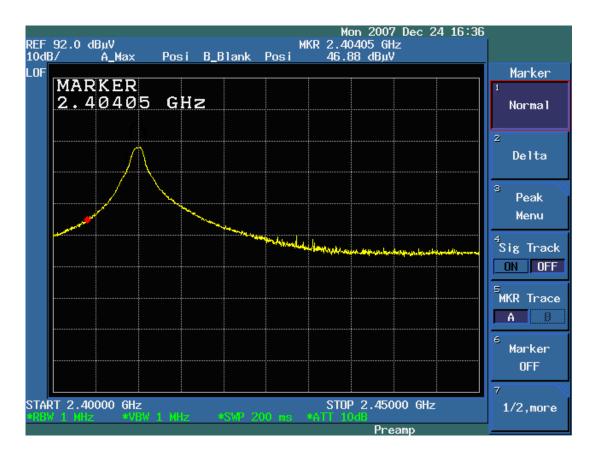
Refer to attach spectrum analyzer data chart

PLOT	Freq. (MHz)	Detector Mode (PK/AV)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	RESULTS
1	2404.05	Peak	46.88	1.101	47.981	pass
2	2483.00	Peak	46.24	1.510	47.750	pass
3	2400.00	Peak	44.95	1.100	46.050	pass
	2483.50	Peak	45.94	1.511	47.451	pass
4	2400.00	Peak	47.38	1.100	48.480	pass
	2483.50	Peak	46.80	1.511	48.311	pass



TEL: +86-755-27604866 FAX: +86-755-27608359

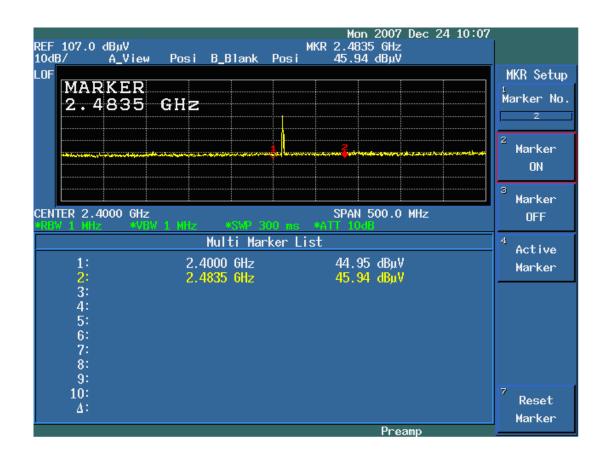
Band Edges (Detector mode: Peak)







TEL: +86-755-27604866 FAX: +86-755-27608359







TEL: +86-755-27604866 FAX: +86-755-27608359

7.2RADIATED EMISSIONS

LIMIT

Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

FCC PART 15 subpart C section 15.209:

Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
30-88	100*	3
88-216	150*	3
216-960	200*	3
Above 960	500	3

FCC PART 15 subpart C section 15.249:

Frequency (MHz)	Field St	Measurement Distance (m)	
requency (Wille)	Fundamental(mV/m)	Harmonies(μV/m)	Wedsurement Distance (m)
2400-2483.5	50	500	3

Note: Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

In the above emission table, the tighter limit applies at the band edges.

Frequency (MHz)	Field Strength (μV/m at 3-meter)	Field Strength (dBμV/m at 3-meter)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54



TEL: +86-755-27604866 FAX: +86-755-27608359

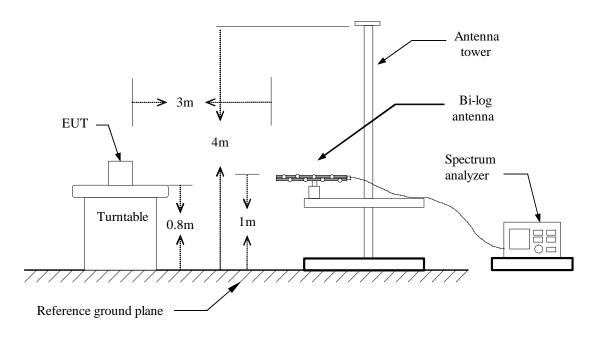
MEASUREMENT EQUIPMENT USED

Open Area Test Site								
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due				
Spectrum Analyzer	ADVANTEST	R3271A	85060231	06/12/2007				
Spectrum Analyzer	ADVANTEST	R3132	140301570	06/12/2007				
EMI Test Receiver	SCHAFFNER	SCR3501	464	06/12/2007				
Pre-Amplifier	COM-POWER	PA-103	161062	06/12/2007				
Bilog Antenna	SCHAFFNER	CBL6111C	2775	06/12/2007				
Turn Table	SINTEK	N/A	N/A	N.C.R				
Antenna Tower	SINTEK	N/A	N/A	N.C.R				
Controller	SINTEK	N/A	N/A	N.C.R				
RF Switch	ANRITSU	MP59B	M53867	N.C.R				
Horn antenna	EMCO	3115	9602-4659	06/12/2007				
Pre-Amplifier	НР	8449B	3008B00965	06/12/2007				

Remark: Each piece of equipment is scheduled for calibration once a year.

Test Configuration

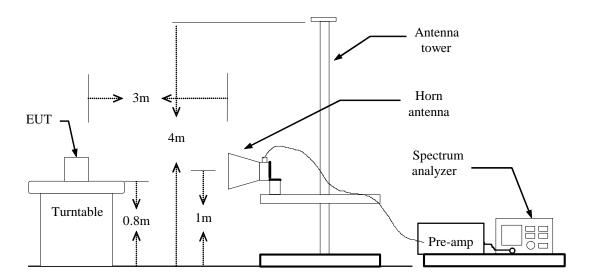
Below 1 GHz





TEL: +86-755-27604866 FAX: +86-755-27608359

Above 1 GHz



TEST PROCEDURE

The EUT is placed on a turntable, which is 0.8m above ground plane.

The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.

EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.

Maximum procedure was performed on the six highest emissions to ensure EUT compliance.

And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.

Repeat above procedures until the measurements for all frequencies are complete.



TEL: +86-755-27604866 FAX: +86-755-27608359

TEST RESULTS

Below 1 GHz

Operation Mode: Normal Test Date: Dec 24, 2007

Temperature: 20°C Tested by: Tracy

Humidity: 70 % RH **Polarity:** Ver. / Hor.

Freq. (MHz)	Ant. H/V	Reading (RA) (dBuV)	Corr.Factor (CF) (dB)	Measured (FS) (dBuV/m)	Limits (QP) (dBuV/m)	Safe Margins (dBuV/m)	Detector Mode (PK/QP)
108.81	V	25. 18	13.31	38. 49	43.5	-5.01	Р
167. 74	V	24.80	12.28	37.08	43.5	-6.42	Р
224. 00	V	25.75	15. 16	40.91	46	-5.09	Р
234. 67	V	26.46	17.21	43.67	46	-2.33	Q
335. 55	V	24.21	16.75	40.96	46	-5.04	Р
559. 62	V	17. 19	23.63	40.82	46	-5. 18	Р
234. 67	Н	32.71	12. 27	44.98	46	-1.02	Q
268.62	Н	27.40	17. 12	44.52	46	-1.48	Q
301.60	Н	26. 26	18.36	44.62	46	-1.38	Q
335. 55	Н	25.08	18.82	43.9	46	-2.1	Q
369. 50	Н	21.35	21	42.35	46	-3.65	Р
559.62	Н	17.45	24. 11	41.56	46	-4.44	P

Notes:

- 1. Measuring frequencies from 30 MHz to the 1GHz.
- 2. Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using Peak detector mode.
- 3. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 4. The IF bandwidth of SPA between 30MHz to 1GHz was 100kHz.



TEL: +86-755-27604866 FAX: +86-755-27608359

Above 1 GHz

Operation Mode: Ch low (2410MHz) Test Date: Dec 24, 2007

Temperature: 20°C **Tested by:** Tracy

Humidity: 70 % RH Polarity: Ver. / Hor.

F	Ant. Pol	Peak	AV	Ant. / CL	Actu	al Fs	Peak	AV	Mangin	Remark
Freq. (MHz)	H/V	Reading (dBuV)	Reading (dBuV)	CF (dB)	Peak (dBuV/m)	AV (dBuV/m)	Limit (dBuV/m)	Limit (dBuV/m)	Margin (dB)	
2410.00	V	73.28		1.48	74.76		114.00	94.00	-19.24	Peak
4820.10	V	37.14		3.28	40.42		74.00	54.00	-13.58	Peak
9640.33	V	29.64		7.83	37.47		74.00	54.00	-16.53	Peak
N/A										
N/A										
N/A										
N/A										
2410.00	Н	73.23		1.48	74.71		114.00	94.00	-19.29	Peak
4820.10	Н	37.65		2.75	40.40		74.00	54.00	-13.60	Peak
9640.33	Н	35.62		3.86	39.48		74.00	54.00	-14.52	Peak
N/A										
N/A										
N/A										
N/A										

Notes:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- 4. Spectrum setting:

a. Peak Setting 1GHz - 26GHz, RBW = 1MHz, VBW = 1MHz, Sweep time = 200 ms.

b. AV Setting 1GH z- 26GHz, RBW = 1MHz, VBW = 10Hz, Sweep time = 200 ms.



TEL: +86-755-27604866 FAX: +86-755-27608359

Above 1 GHz

Operation Mode: Ch mid (2440MHz) Test Date: Dec 24, 2007

Temperature: 20°C **Tested by:** Tracy

Humidity: 70 % RH Polarity: Ver. / Hor.

F	Ant. Pol	Peak	AV	Ant. / CL	Actu	al Fs	Peak	AV	Mangin	Remark
Freq. (MHz)	H/V	Reading (dBuV)	Reading (dBuV)	CF (dB)	Peak (dBuV/m)	AV (dBuV/m)	Limit (dBuV/m)	Limit (dBuV/m)	Margin (dB)	
2440.07	V	72.54		1.49	74.03		114.00	94.00	-19.97	Peak
4880.14	V	36.85		3.30	40.15		74.00	54.00	-13.85	Peak
9760.28	V	32.56		7.83	40.39		74.00	54.00	-13.61	Peak
N/A										
N/A										
N/A										
N/A										
	•			•		•		•	•	
2440.07	Н	74.35		1.49	75.84		114.00	94.00	-18.16	Peak
4880.14	Н	35.68		2.75	38.43		74.00	54.00	-15.57	Peak
9760.28	Н	35.63		3.86	39.49		74.00	54.00	-14.51	Peak
N/A										
N/A										
N/A										
N/A										

Notes:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- 4. Spectrum setting:
 - a. Peak Setting 1GHz 26GHz, RBW = 1MHz, VBW = 1MHz, Sweep time = 200 ms.
- b. AV Setting 1GH z- 26GHz, RBW = 1MHz, VBW = 10Hz, Sweep time = 200 ms.



TEL: +86-755-27604866 FAX: +86-755-27608359

Above 1 GHz

Operation Mode: Ch high (2480MHz) Test Date: Dec 24, 2007

Temperature: 20°C **Tested by:** Tracy

Humidity: 70 % RH Polarity: Ver. / Hor.

F	Ant. Pol	Peak	AV	Ant. / CL	Actu	al Fs	Peak	AV	Mangin	Remark
Freq. (MHz)	H/V	Reading (dBuV)	Reading (dBuV)	CF (dB)	Peak (dBuV/m)	AV (dBuV/m)	Limit (dBuV/m)	Limit (dBuV/m)	Margin (dB)	
2480.07	V	71.86		1.51	73.37		114.00	94.00	-20.63	Peak
4940.10	V	36.52		3.5	40.02		74.00	54.00	-13.98	Peak
9880.31	V	30.95		7.83	38.78		74.00	54.00	-15.22	Peak
N/A										
N/A										
N/A										
N/A										
2470.05	Н	74.65		1.51	76.16		114.00	94.00	-17.84	Peak
4940.10	Н	38.45		2.75	41.20		74.00	54.00	-12.80	Peak
9880.31	Н	35.29		3.86	39.15		74.00	54.00	-14.85	Peak
N/A										
N/A										
N/A										
N/A										

Notes:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- 4. Spectrum setting:

a. Peak Setting 1GHz - 26GHz, RBW = 1MHz, VBW = 1MHz, Sweep time = 200 ms.

b. AV Setting 1GH z- 26GHz, RBW = 1MHz, VBW = 10Hz, Sweep time = 200 ms.



7.3 POWER LINE CONDUCTED EMISSIONS

LIMIT

For an intentional radiator which is designed to be connected to the public utility (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 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range is listed as follows:

Frequency Range (MHz)	Limits (dBμV)
rrequency Range (WITIZ)	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

MEASUREMENT EQUIPMENT USED

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due	
EMI Test Receiver	SCHAFFNER	SCR3501	464	06/12/2007	
Spectrum Analyzer	ADVANTEST	R3132	140301570	06/12/2007	
LISN	COM-POWER	LI115	2027	06/12/2007	
LISN	COM-POWER	LI115	2029	06/12/2007	

Remark: Each piece of equipment is scheduled for calibration once a year.



Test Configuration

The conducted emission tests were performed in the test site, using the setup in accordance with the ANSI C63.4: 2001

The spacing between the peripherals was 10 centimeters.

External I/O cables were draped along the edge of the test table and bundle when necessary.

The EUT is set to transmit in a continuous mode.

TEST PROCEDURE

The EUT was placed on a table, which is 0.8m above ground plane.

Maximum procedure was performed on the six highest emissions to ensure EUT compliance.

Repeat above procedures until all frequency measured were complete.



TEL: +86-755-27604866 FAX: +86-755-27608359

TEST RESULTS

The initial step in collecting conducted data is a spectrum analyzer peak scan of the measurement range. Significant peaks are then marked as shown on the following data page, and these signals are then quasi-peaked.

Test Data

Operation Mode: normal Test Date: Dec 24, 2007

Temperature: 21°C **Tested by:** Tracy

Humidity: 68% RH

FREQ	PEAK	Q.P.	AVG	Q.P.	AVG	Q.P.	AVG	NOTE
KHz	RAW	RAW	RAW	Limit	Limit	Margin	Margin	
	dBuV	dBuV	dBuV	dBuV	dBuV	dB	dB	
187.000	55.60		42.57	64.94	54.94	-9.34	-12.37	L1
251.750	45.31			63.09	53.09	-17.78	-7.78	L1
316.500	41.67			61.24	51.24	-19.57	-9.57	L1
377.550	40.16			59.50	49.50	-19.34	-9.34	L1
568.100	38.14			56.00	46.00	-17.86	-7.86	L1
2783.196	39.69			56.00	46.00	-16.31	-6.31	L1
188.850	54.01		41.36	64.89	54.89	-10.88	-13.53	L2
249.900	44.38			63.15	53.15	-18.77	-8.77	L2
379.400	39.89			59.45	49.45	-19.55	-9.55	L2
631.000	36.15			56.00	46.00	-19.85	-9.85	L2
1515.300	38.28			56.00	46.00	-17.72	-7.72	L2
2843.211	39.04			56.00	46.00	-16.96	-6.96	L2

Note:

Measuring frequencies from 0.15 MHz to 30MHz.

The emissions measured in frequency range from 0.15 MHz to 30MHz were made with an instrument using Quasi-peak detector and average detector.

The IF bandwidth of SPA between 0.15MHz to 30MHz was 10kHz; the IF bandwidth of Test Receiver between 0.15MHz to 30MHz was 9kHz;

 $L1 = Line \ One \ (Live \ Line) / L2 = Line \ Two \ (Neutral \ Line)$

[&]quot;---" denotes the emission level was or more than 2dB below the Average limit



TEL: +86-755-27604866 FAX: +86-755-27608359

8. APPENDIX 1 PHOTOGRPHS OF TEST SETUP

Radiated Emission Set up Photos





conducted Emission Set up Photos



