FCC 47 CFR PART 15 SUBPART C
ANSI C63.4: 2003

TEST REPORT

For

Wireless Remode compatible with Linear Mega Code Systems and Door King Microclik

Model: EV-F318-1

Data Applies To: EV-F318-2; EV-F318-4

Brand: Secure Wireless

Issued to

Secure Wireless, Inc.
1185 PARK CENTER DRIVE SUITE, A AND B, VISTA, CALIFORNIA, 92083 U.S.A.

Issued by

Compliance Certification Services Inc.
Tainan Lab.
No. 8, Jiu Cheng Ling, Jiaokeng Village,Sinhua Township, Tainan Hsien 712, Taiwan R.O.C.
TEL: 886-6-580-2201
FAX: 886-6-580-2202

NVLAP LAB CODE 200627-0

Testing Laboratory 1109

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1. TEST RESULT CERTIFICATION

Applicant:	Secure Wireless, Inc. 1185 PARK CENTER DRIVE SUITE, A AND B, VISTA, CALIFORNIA, 92083 U.S.A.
Manufacture:	Vision Automobile Electronics Industrial Co., Ltd. No. 17, Alley 92, Lane 189, Sec. 1, An Chung Rd., Tainan, Taiwan, R.O.C.
Equipment Under Test:	Wireless Remode compatible with Linear Mega Code Systems and Door King Microclik
Model Number:	EV-F318-1
Data Applies To:	EV-F318-2; EV-F318-4
Brand Name:	Secure Wireless
Date of Test:	October 11, 2006 ~ October 13, 2007

APPLICABLE STANDARDS	
STANDARD	**TEST RESULT**
FCC 47 CFR Part 15 Subpart C ANSI C63.4 : 2003	No non-compliance noted

We hereby certify that:

The above equipment was tested by Compliance Certification Services Inc. 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: 2003 and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits of FCC Rules Part 15.207, 15.209 and Part 15.231.

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

Approved by: ***Reviewed by:***

July 24, 2007 July 24, 2007

Jeter Wu **Eric Huang**
Section Manager Assistant Section Manager
Compliance Certification Services Inc. Compliance Certification Services Inc.

2. EUT DESCRIPTION

Product	Wireless Remode compatible with Linear Mega Code Systems and Door King Microclik
Model Number	EV-F318-1
Data Applies To	EV-F318-2; EV-F318-4
Model Difference	N/A
Operating Frequency	318MHz
Type of Modulation	Amplitude-Shift Keying (ASK) Modulation
Power Supply	120Vac, 60Hz
Antenna Specification	0dBi, PCB Antenna.
Temperature Range	0°C ~ +55°C

Remark:

1. *This submittal(s) (test report) is intended for FCC ID: QNP-F318 filing to comply with Section 15.207, 15.209 and 15.231 of the FCC Part 15, Subpart C Rules.*
2. *Client consigns only one model samples to test (Model Number: EV-F318-1), therefore, the testing Lab. just guarantees the unit, which have been tested.*
3. *The products between EV-F318-1 and EV-F318-2 and EV-F318-4 are all the same except for different push bottom. The different of the each model is shown as below:*

Model Number	Numbers of bottom
EV-F318-1	1 bottom
EV-F318-2	2 bottom
EV-F318-4	4 bottom

3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.4 (2003) and FCC CFR 47 2.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055, 2.1057, 15.207, 15.209 and 15.231.

3.1 EUT 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.

3.2 EUT EXERCISE

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

3.3 GENERAL 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. 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 maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 13.1.4.1 of ANSI C63.4.

3.4 FCC PART 15.205 RESTRICTED BANDS OF OPERATIONS

(a) 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 -	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.52525	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	156.7 - 156.9	3260 - 3267	23.6 - 24.0
12.29 - 12.293	162.0125 - 167.17	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	167.72 - 173.2	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	240 - 285	3600 - 4400	([2])
13.36 - 13.41	322 - 335.4		

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

[2] Above 38.6

(b) 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.

3.5 DESCRIPTION OF TEST MODES

The EUT(Model: EV-F318-4 and Model: EV-F318-1) had been tested under engineering test mode condition and the EUT staying in continuous transmitting mode.

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

CCS Tainan Lab.

No. 8, Jiu Cheng Ling, Jiaokeng Village,Sinhua Township, Tainan Hsien 712, Taiwan R.O.C.

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

5.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, biconical, 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.”

5.3 LABORATORY ACCREDITATIONS AND LISTING

The test facilities used to perform radiated and conducted emissions tests are accredited by National Voluntary Laboratory Accreditation Program for the specific scope of accreditation under Lab Code: 200627-0 to perform Electromagnetic Interference tests according to FCC Part 15 and CISPR 22 requirements. No part of this report may be used to claim or imply product endorsement by NVLAP or any agency of the US Government. In addition, the test facilities are listed with Federal Communications Commission (Registration No. : 228014).

5.4 TABLE OF ACCREDITATIONS AND LISTINGS

Country	Agency	Scope of Accreditation	Logo
USA	NVLAP	EN 55014-1, AS/NZS 1044, CNS 13783-1, IEC/CISPR 14-1, IEC/CISPR 22, EN 55022, EN 61000-3-2, EN 61000-3-3, ANSI C63.4, AS/NZS CISPR 22, AS/NZS 3548, IEC 61000-4-2/3/4/5/6/8/11	NVLAP LAB CODE 200627-0 200627-0
USA	FCC	3/10 meter Open Area Test Sites to perform FCC Part 15/18 measurements	228014
Japan	VCCI	3/10 meter Open Area Test Sites and conducted test sites to perform radiated/conducted measurements	R-1989 C-2142
Taiwan	TAF	CISPR 11 FCC METHOD-47 CFR Part 18 EN 55011 CNS 13803, CISPR 14 EN 55014 CNS 13783-1, CISPR 22 EN 55022 VCCI FCC Method-47 CFR Part 15 Subpart B CNS 13438	Testing Laboratory 1109
Taiwan	BSMI	CNS 13438, CNS 13783-1, CNS 13803, CNS 13439	SL2-IS-E-0039 SL2-IN-E-0039 SL2-A1-E-0039 SL2-R1/R2-0039
Canada	Industry Canada	RSS212, Issue 1	IC 6192

** No part of this report may be used to claim or imply product endorsement by NVLAP or any agency of the US Government.*

6. SETUP OF EQUIPMENT UNDER TEST

6.1 SETUP CONFIGURATION OF EUT

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

6.2 SUPPORT EQUIPMENT

No.	Product	Manufacturer	Model No.	Certify No.	Signal cable
N/A	N/A	N/A	N/A	N/A	N/A

Remark:

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

7. FCC PART 15.231 REQUIREMENTS

7.1 20 DB BANDWIDTH

LIMIT

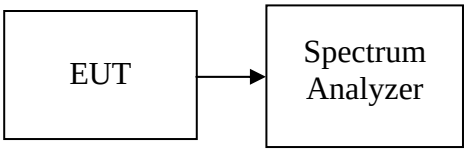
The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz. For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the center frequency. Bandwidth is determined at the points 20 dB down from the modulated carrier.

MEASUREMENT EQUIPMENT USED

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
SPECTRUM ANALYZER	R&S	FSEM	829054/017	MAR. 13, 2008

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

Test Configuration



TEST PROCEDURE

The transmitter output is connected to the spectrum analyzer. The spectrum analyzer center frequency is set to the transmitter frequency. The RBW is set to 10 kHz and VBW is set 30kHz.

TEST RESULTS

No non-compliance noted.

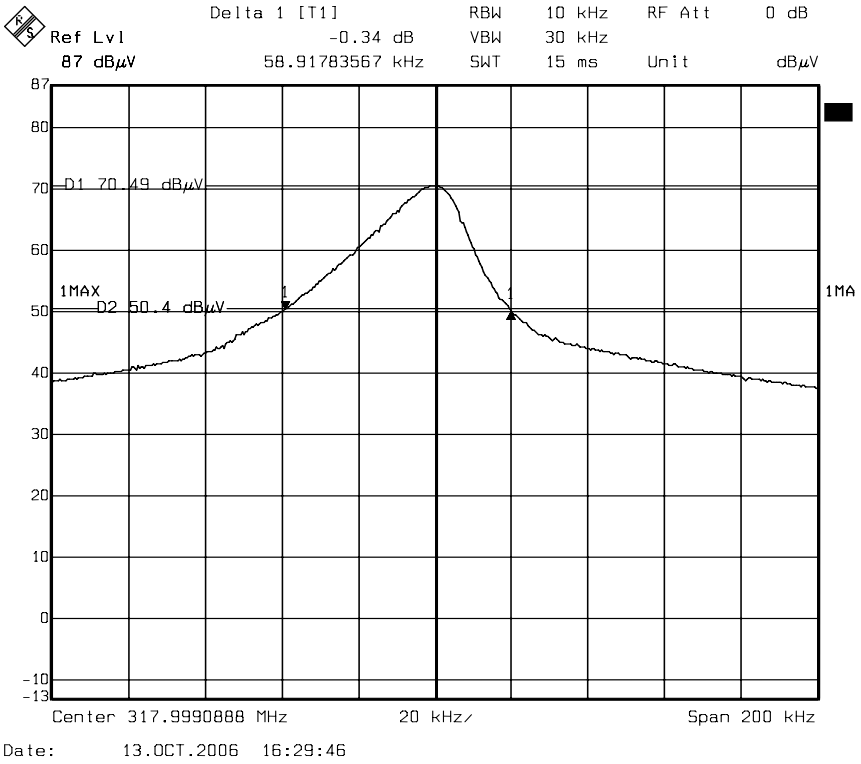
Test Data

For model: EV-F318-1

Frequency (MHz)	20dB Bandwidth (KHz)	Limit (KHz)	Result
317.99	58.917	794.975	PASS

Test Plot

For model: EV-F318-1



7.2 LIMIT OF TRANSMISSION TIME

LIMIT

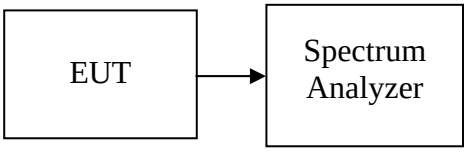
According to 15.231 (a)(2), a manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

MEASUREMENT EQUIPMENT USED

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
SPECTRUM ANALYZER	R&S	FSEM	829054/017	MAR. 13, 2008

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

Test Configuration



TEST PROCEDURE

The transmitter output is connected to the spectrum analyzer. The spectrum analyzer center frequency is set to the transmitter frequency. The RBW and VBW are set to 1MHz.

TEST RESULTS

No non-compliance noted

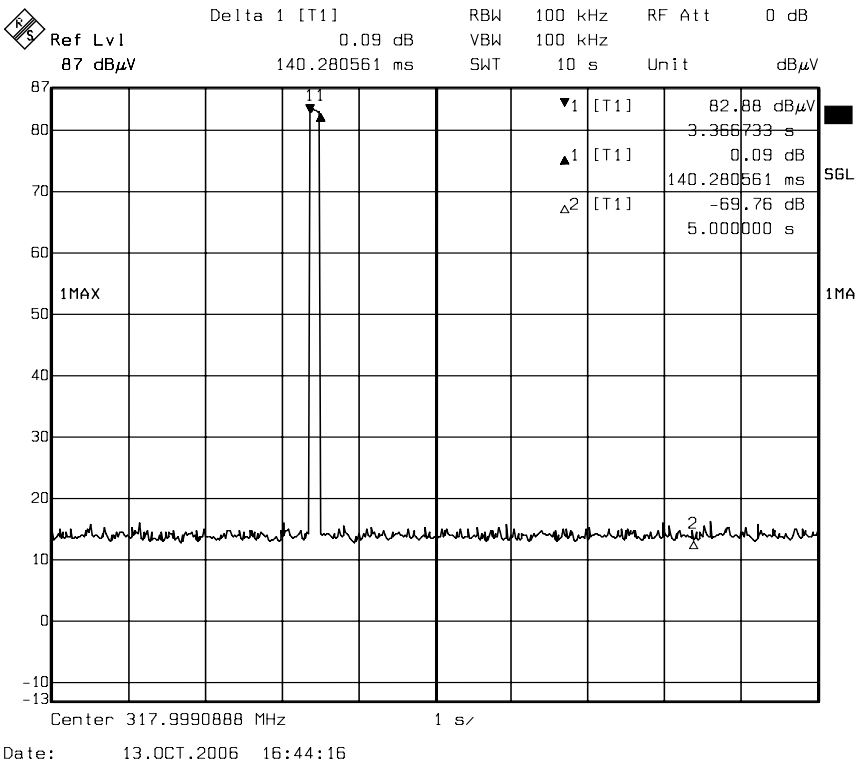
Test Data

For model: EV-F318-1

Frequency (MHz)	Transmission Time (s)	Limit (Second)	Result
317.99	0.140	5	PASS

Test Plot

For model: EV-F318-1



7.3 DUTY CYCLE

LIMIT

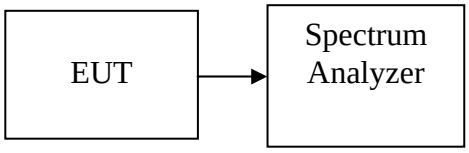
Nil (No dedicated limit specified in the Rules)

MEASUREMENT EQUIPMENT USED

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
SPECTRUM ANALYZER	R&S	FSEM	829054/017	MAR. 13, 2008

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

Test Configuration



TEST PROCEDURE

1. Place the EUT on the table and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set center frequency of spectrum analyzer = operating frequency.
4. Set the spectrum analyzer as RBW, VBW=100KHz, Span = 0Hz, Adjust Sweep = 50ms.
5. Repeat above procedures until all frequency measured were complete.

TEST RESULTS

No non-compliance noted

Test Data

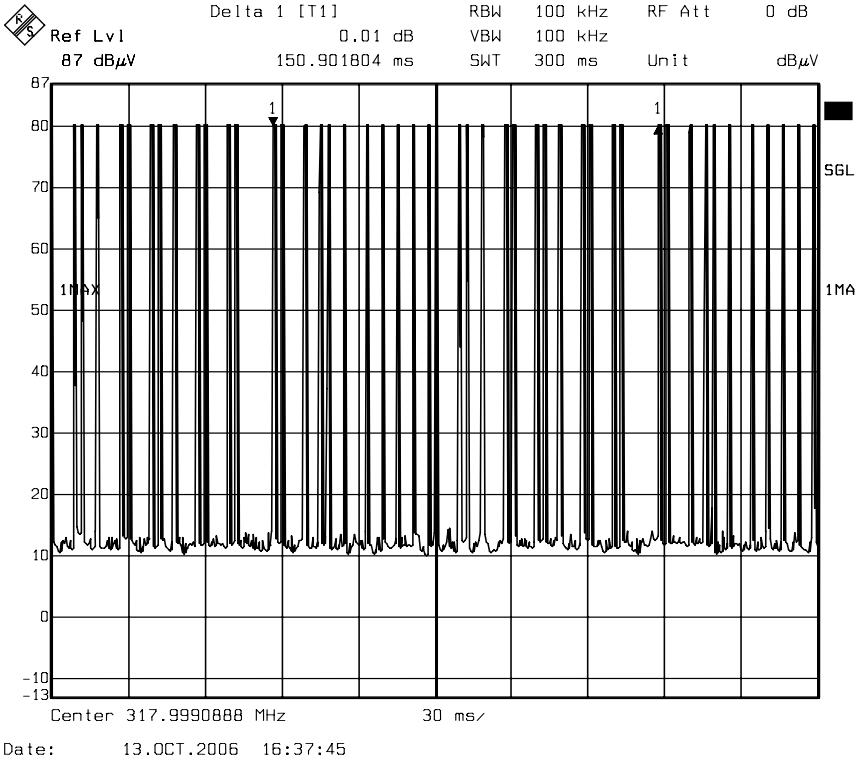
For model: EV-F318-1

Tp =150.901ms
Ton = 1.202 * 24 = 28.858 (ms)
Duty Factor = 20 *log(Ton / Tp) = 20 * log(28.858/100) = -10.795dB

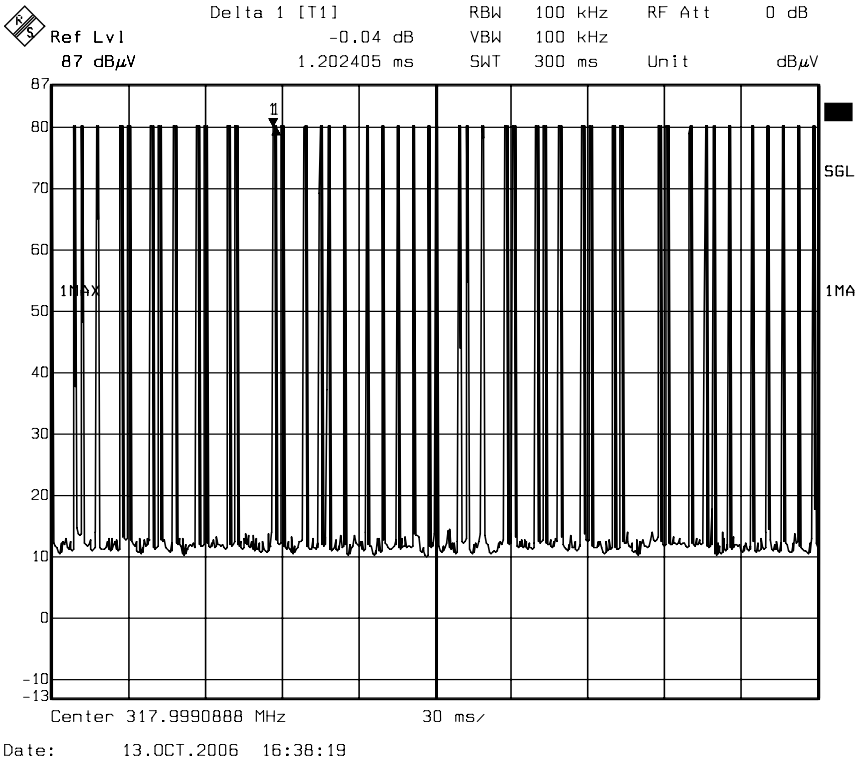
Test Plot

For model: EV-F318-1

Tp



Ton



7.4 RADIATED EMISSIONS

LIMIT

1. 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:

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

Remark: *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.*

2 For intentional device, according to § 15.231(e), the general requirement of field strength of radiated emissions from intentional radiators at a distance of 3 meters shall not exceed the following table.

Fundamental Frequency (MHz)	Field Strength of Fundamental (μV/M)	Field Strength of Spurious Emission (μV/M)
40.66-40.70	1000	100
70-130	500	50
130-174	500 to 1500**	50 to 150**
174-260	1500	150
260-470	1500 to 5000**	150 to 500**
Above 470	5000	500

Note :

1. " ※※ " linear interpolations.
2. Where F is the frequency in MHz, the formulas for calculating the maximum permitted fundamental field strengths are as follows: for the band 130-174 MHz, uV/m at 3 meters = 22.72727(F) - 2454.545; for the band 260-470 MHz, uV/m at 3 meters = 16.6667(F) – 2833.3333. The maximum permitted unwanted emission level is 20 dB below the maximum permitted fundamental level.

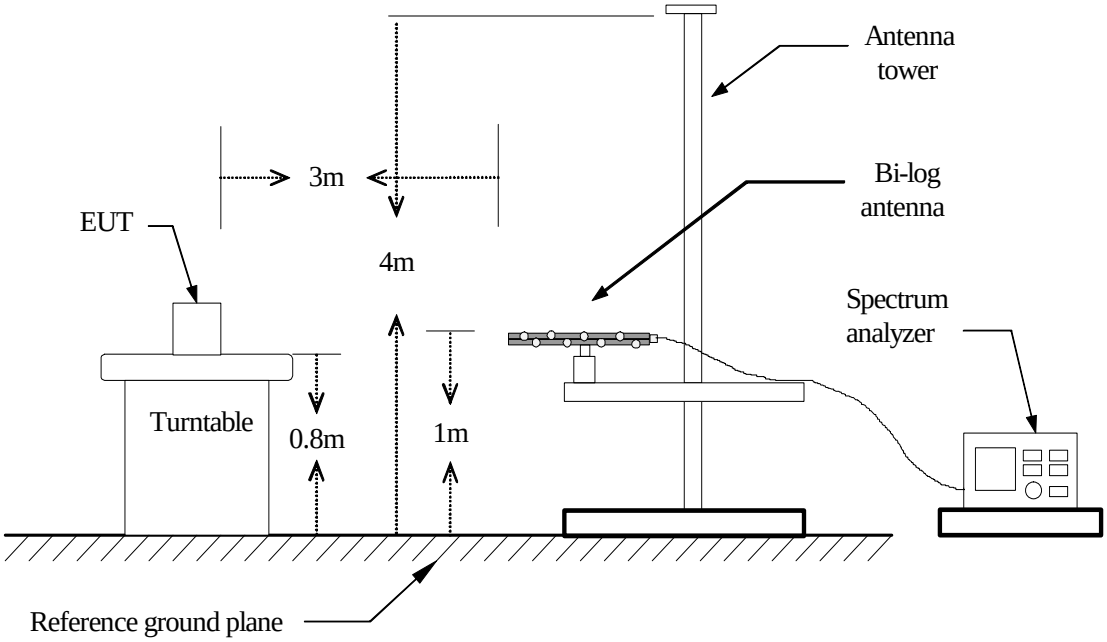
MEASUREMENT EQUIPMENT USED

Open Area Test Site # 6				
Name of Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Due**
O.A.T.S	----------	----------	No.6	NOV. 07, 2007
EMI Receiver	R&S	ESCI	100005	FEB.13, 2008
Spectrum Analyzer	R&S	FSEM	829054/017	MAR. 13, 2008
BI-LOG Antenna	Sunol	JB1	A070506-2	JUL. 11, 2008
Horn Antenna	Com-Power	AH-118	071032	NOV. 21, 2007
SMA RF CABLE	SUHNER	SUCOFLEX104PEA	20520/4PEA	NOV. 22, 2007
Pre-Amplifier	MITEQ	AFS44-00102650-42-10P-44	1073264	AUG. 15, 2007
Signal Generator	HP	8673C	2938A00663	JUN 22, 2008
Pre-Amplifier	HP	8447F	2944A03817	SEP. 04, 2007
Turn Table	Yo Chen	001	----------	N.C.R.
Antenna Tower	AR	TP1000A	309874	N.C.R.
Controller	CT	SC101	----------	N.C.R.
Test S/W	e-3 (5.04303e)			

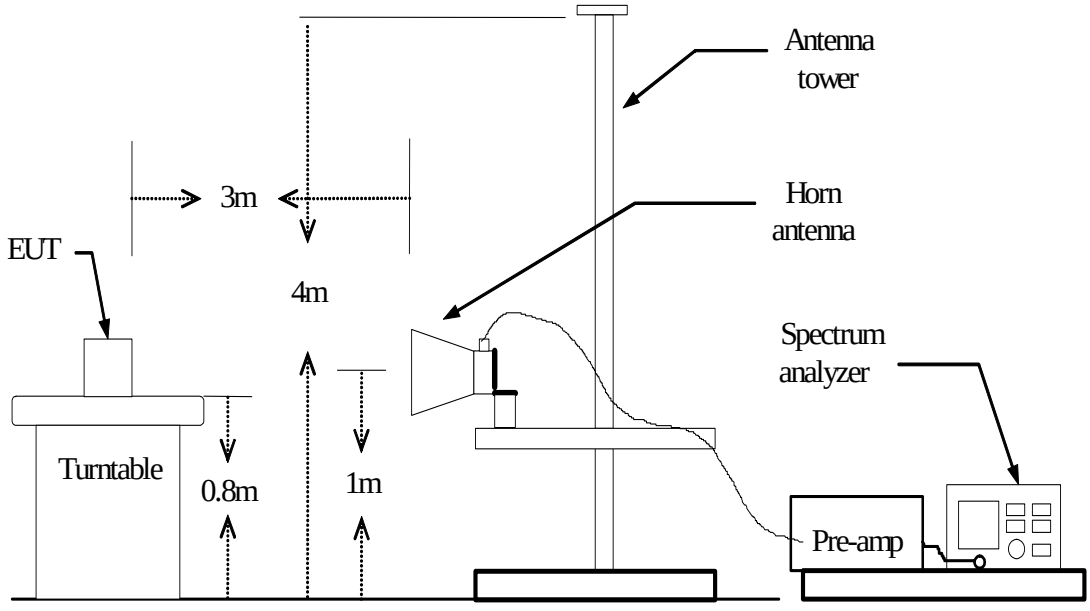
Remark: *Each piece of equipment is scheduled for calibration once a year.*

Test Configuration

Below 1 GHz



Above 1 GHz



TEST PROCEDURE

1. The EUT is placed on a turntable, which is 0.8m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Set the spectrum analyzer in the following setting as:

   Below 1GHz:

   RBW=100kHz / VBW=300kHz / Sweep=AUTO

   Above 1GHz:

   RBW=VBW=1MHz / Sweep=AUTO

   AVERAGE=Peak Value + Duty Factor
7. Repeat above procedures until the measurements for all frequencies are complete.

TEST RESULTS

For model: EV-F318-1

Below 1 GHz

Operation Mode:	TX / X Mode	**Test Date:**	October 11, 2006
Temperature:	29.2°C	**Tested by:**	Jerry Chang
Humidity:	70 % RH	**Polarity:**	Ver. / Hor.

Freq-Uency	Antenna Factor	Cable Loss	Meter Reading at 3 m(dBμV)		Limits	Duty Cycle Factor	Emission Level at 3 m(dBμV/m)		Margin		Detector Mode
(MHz)	(dB/m)	(dB)	Horizontal	Vertical	(dBμV/m)	(dB)	Horizontal	Vertical	Horizontal	Vertical	
317.99	14.38	2.81	49.93	45.21	95.80	-10.79	67.12	62.40	-28.68	-33.40	PK
317.99	14.38	2.81	N/A	N/A	75.80	-10.79	56.33	51.61	-19.48	-24.20	AVG
635.98	19.67	4.41	31.20	21.81	75.80	-10.79	55.28	45.89	-20.52	-29.91	PK
635.98	19.67	4.41	N/A	N/A	55.80	-10.79	44.49	35.10	-11.31	-20.70	AVG
953.98	23.14	5.39	20.41	24.42	75.80	-10.79	48.94	52.95	-26.86	-22.85	PK
953.98	23.14	5.39	N/A	N/A	55.80	-10.79	38.14	42.15	-17.66	-13.65	AVG
N/A	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	PK
N/A	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	AVG

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.
5. Remark "*"means the Restricted band.
6. Average level=Peak level +Duty factor.

For model: EV-F318-1

Operation Mode:	TX / Y Mode	**Test Date:**	October 11, 2006
Temperature:	29.2°C	**Tested by:**	Jerry Chang
Humidity:	70 % RH	**Polarity:**	Ver. / Hor.

Freq-Uency	Antenna Factor	Cable Loss	Meter Reading at 3 m(dB μV)		Limits	Duty Cycle Factor	Emission Level at 3 m(dB μV/m)		Margin		Detector Mode
(MHz)	(dB/m)	(dB)	Horizontal	Vertical	(dB μV/m)	(dB)	Horizontal	Vertical	Horizontal	Vertical	
317.99	14.38	2.81	45.45	47.52	95.80	-10.79	62.64	64.71	-33.16	-31.09	PK
317.99	14.38	2.81	N/A	N/A	75.80	-10.79	51.85	53.92	-23.96	-21.89	AVG
635.97	19.67	4.41	26.24	28.24	75.80	-10.79	50.32	52.32	-25.48	-23.48	PK
635.97	19.67	4.41	N/A	N/A	55.80	-10.79	39.53	41.53	-16.27	-14.27	AVG
953.97	23.14	5.39	21.54	25.77	75.80	-10.79	50.07	54.30	-25.73	-21.50	PK
953.97	23.14	5.39	N/A	N/A	55.80	-10.79	39.27	43.50	-16.53	-12.30	AVG
N/A	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	PK
N/A	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	AVG

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.
5. Remark "*"means the Restricted band.
6. Average level=Peak level +Duty factor.

For model: EV-F318-1

Operation Mode:	TX / Z Mode	**Test Date:**	October 11, 2006
Temperature:	29.2°C	**Tested by:**	Jerry Chang
Humidity:	70 % RH	**Polarity:**	Ver. / Hor.

Freq-Uency	Antenna Factor	Cable Loss	Meter Reading at 3 m(dBμV)		Limits	Duty Cycle Factor	Emission Level at 3 m(dBμV/m)		Margin		Detector Mode
(MHz)	(dB/m)	(dB)	Horizontal	Vertical	(dBμV/m)	(dB)	Horizontal	Vertical	Horizontal	Vertical	
317.99	14.38	2.81	44.88	45.95	95.80	-10.79	62.07	63.14	-33.73	-32.66	PK
317.99	14.38	2.81	N/A	N/A	75.80	-10.79	51.28	52.35	-24.53	-23.46	AVG
635.97	19.67	4.41	28.16	26.84	75.80	-10.79	52.24	50.92	-23.56	-24.88	PK
635.97	19.67	4.41	N/A	N/A	55.80	-10.79	41.45	40.13	-14.35	-15.67	AVG
953.98	23.14	5.39	25.76	23.02	75.80	-10.79	54.29	51.55	-21.51	-24.25	PK
953.98	23.14	5.39	N/A	N/A	55.80	-10.79	43.49	40.75	-12.31	-15.05	AVG
N/A	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	PK
N/A	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	AVG

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.
5. Remark "*"means the Restricted band.
6. Average level=Peak level +Duty factor.

For model: EV-F318-1

Above 1 GHz

Operation Mode:	TX / X Mode	**Test Date:**	October 11, 2006
Temperature:	29.2°C	**Tested by:**	Jerry Chang
Humidity:	70 % RH	**Polarity:**	Ver. / Hor.

	Freq-Uency	Antenna Factor	Cable Loss	Meter Reading at 3 m(dBμV)		Limits	Duty Cycle Factor	Emission Level at 3 m(dBμV/m)		Margin		Detector Mode
	(MHz)	(dB/m)	(dB)	Horizontal	Vertical	(dBμV/m)	(dB)	Horizontal	Vertical	Horizontal	Vertical	
	1271.80	25.39	3.39	29.25	28.75	75.80	-10.79	58.04	57.54	-17.76	-18.26	PK
	1271.80	25.39	3.39	0.00	N/A	55.80	-10.79	47.24	46.74	-8.56	-9.06	AVG
*	1590.10	27.53	1.75	27.49	27.65	74.00	-10.79	56.77	56.93	-17.23	-17.07	PK
*	1590.10	27.53	1.75	0.00	N/A	54.00	-10.79	45.97	46.13	-8.03	-7.87	AVG
*	1589.80	27.53	1.74	26.18	25.84	74.00	-10.79	55.45	55.11	-18.55	-18.89	PK
*	1589.80	27.53	1.74	N/A	N/A	54.00	-10.79	44.66	44.32	-9.34	-9.68	AVG
	1907.80	29.75	1.90	26.58	26.91	75.80	-10.79	58.24	58.57	-17.56	-17.23	PK
	1907.80	29.75	1.90	0.00	N/A	55.80	-10.79	47.44	47.77	-8.36	-8.03	AVG
*	2226.10	30.31	2.04	28.75	27.49	74.00	-10.79	61.10	59.84	-12.90	-14.16	PK
*	2226.10	30.31	2.04	N/A	N/A	54.00	-10.79	50.30	49.04	-3.70	-4.96	AVG
	2543.90	30.18	2.17	27.51	27.13	75.80	-10.79	59.86	59.48	-15.94	-16.32	PK
	2543.90	30.18	2.17	N/A	N/A	55.80	-10.79	49.06	48.68	-6.74	-7.12	AVG
*	2861.80	30.06	2.36	27.42	27.59	74.00	-10.79	59.83	60.00	-14.17	-14.00	PK
*	2861.80	30.06	2.36	N/A	N/A	54.00	-10.79	49.04	49.21	-4.96	-4.79	AVG
	3179.80	30.11	2.49	25.19	24.91	75.80	-10.79	57.78	57.50	-18.02	-18.30	PK
	3179.80	30.11	2.49	N/A	N/A	55.80	-10.79	46.99	46.71	-8.81	-9.09	AVG
	N/A	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

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.
5. Remark "*"means the Restricted band.
6. Average level=Peak level +Duty factor.

For model: EV-F318-1

Operation Mode:	TX / Y Mode	**Test Date:**	October 11, 2006
Temperature:	29.2°C	**Tested by:**	Jerry Chang
Humidity:	70 % RH	**Polarity:**	Ver. / Hor.

	Freq-Uency	Antenna Factor	Cable Loss	Meter Reading at 3 m(dBμV)		Limits	Duty Cycle Factor	Emission Level at 3 m(dBμV/m)		Margin		Detector Mode
	(MHz)	(dB/m)	(dB)	Horizontal	Vertical	(dBμV/m)	(dB)	Horizontal	Vertical	Horizontal	Vertical	
	1271.88	25.39	3.39	27.24	31.86	75.80	-10.79	56.03	60.65	-19.77	-15.15	PK
	1271.88	25.39	3.39	N/A	N/A	55.80	-10.79	45.23	49.85	-10.57	-5.95	AVG
*	1589.88	27.53	1.74	27.24	28.06	74.00	-10.79	56.51	57.33	-17.49	-16.67	PK
*	1589.88	27.53	1.74	N/A	N/A	54.00	-10.79	45.72	46.54	-8.28	-7.46	AVG
	1908.00	29.76	1.90	27.84	28.03	75.80	-10.79	59.50	59.69	-16.30	-16.11	PK
	1908.00	29.76	1.90	N/A	N/A	55.80	-10.79	48.71	48.90	-7.10	-6.91	AVG
*	2226.04	30.31	2.04	28.63	27.38	74.00	-10.79	60.98	59.73	-13.02	-14.27	PK
*	2226.04	30.31	2.04	N/A	N/A	54.00	-10.79	50.18	48.93	-3.82	-5.07	AVG
	2544.00	30.18	2.17	29.65	27.78	75.80	-10.79	62.00	60.13	-13.80	-15.67	PK
	2544.00	30.18	2.17	N/A	N/A	55.80	-10.79	51.20	49.33	-4.60	-6.47	AVG
*	2861.68	30.06	2.36	28.96	28.92	74.00	-10.79	61.37	61.33	-12.63	-12.67	PK
*	2861.68	30.06	2.36	N/A	N/A	54.00	-10.79	50.58	50.54	-3.42	-3.46	AVG
	3179.69	30.11	2.49	27.26	27.89	75.80	-10.79	59.85	60.48	-15.95	-15.32	PK
	3179.69	30.11	2.49	N/A	N/A	55.80	-10.79	49.06	49.69	-6.74	-6.11	AVG
	N/A	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

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.
5. Remark "*"means the Restricted band.
6. Average level=Peak level +Duty factor.

For model: EV-F318-1

Operation Mode:	TX / Z Mode	**Test Date:**	October 11, 2006
Temperature:	29.2°C	**Tested by:**	Jerry Chang
Humidity:	70 % RH	**Polarity:**	Ver. / Hor.

	Freq-Uency	Antenna Factor	Cable Loss	Meter Reading at 3 m(dBμV)		Limits	Duty Cycle Factor	Emission Level at 3 m(dBμV/m)		Margin		Detector Mode
	(MHz)	(dB/m)	(dB)	Horizontal	Vertical	(dBμV/m)	(dB)	Horizontal	Vertical	Horizontal	Vertical	
	1272.10	25.40	3.39	29.36	28.82	75.80	-10.79	58.15	57.61	-17.65	-18.19	PK
	1272.10	25.40	3.39	N/A	N/A	55.80	-10.79	47.35	46.81	-8.45	-8.99	AVG
*	1589.80	27.53	1.74	26.87	26.44	74.00	-10.79	56.14	55.71	-17.86	-18.29	PK
*	1589.80	27.53	1.74	N/A	N/A	54.00	-10.79	45.35	44.92	-8.65	-9.08	AVG
	1907.90	29.76	1.90	27.36	27.37	75.80	-10.79	59.02	59.03	-16.78	-16.77	PK
	1907.90	29.76	1.90	N/A	N/A	55.80	-10.79	48.22	48.23	-7.58	-7.57	AVG
*	2225.80	30.31	2.04	26.36	29.16	74.00	-10.79	58.71	61.51	-15.29	-12.49	PK
*	2225.80	30.31	2.04	N/A	N/A	54.00	-10.79	47.91	50.71	-6.09	-3.29	AVG
	2543.70	30.18	2.17	26.48	29.30	75.80	-10.79	58.83	61.65	-16.97	-14.15	PK
	2543.70	30.18	2.17	N/A	N/A	55.80	-10.79	48.03	50.85	-7.77	-4.95	AVG
*	2861.60	30.06	2.36	28.93	29.07	74.00	-10.79	61.34	61.48	-12.66	-12.52	PK
*	2861.60	30.06	2.36	N/A	N/A	54.00	-10.79	50.55	50.69	-3.45	-3.31	AVG
	3179.90	30.11	2.49	25.24	26.77	75.80	-10.79	57.83	59.36	-17.97	-16.44	PK
	3179.90	30.11	2.49	N/A	N/A	55.80	-10.79	47.04	48.57	-8.76	-7.23	AVG
	N/A	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

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.
5. Remark "*"means the Restricted band.
6. Average level=Peak level +Duty factor.

7.5 POWERLINE 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)	
	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

Conducted Emission room				
Name of Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Due**
L.I.S.N.	SCHWARZBECK	NNLK 8121	8121-446	OCT. 31, 2007 For Insertion loss
	Rohde & Schwarz	ESH-Z5	840062/021	SEP. 21 , 2007
TEST RECEIVER	Rohde & Schwarz	ESCS 30	100348	JUN. 27, 2008
TYPE N COAXIAL CABLE	SUHNER	--------	----------	FEB. 26, 2008
Test S/W	e-3 (5.04211c) R&S (2.27)			

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

Test Configuration

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

Test Procedure

Since this EUT is battery powered, this test item is not applicable.

Test results

Since this EUT is battery powered, this test item is not applicable.