Test Report

Product Name ： New SideKick
Model No. ： SK2-SS
FCC ID. ： PPJNSK418SC

Applicant ： Silent Call Communications Corporation
Address ： 5095 Williams Lake Road , Waterford, Michigan 48329 U.S.A.

Date of Receipt ： 2008/11/06
Issued Date ： 2008/12/31
Report No. ： 08B102R-RFUSP01V02
Version ： V1.0

Test Report Certification

Issued Date : 2008/12/31
Report No. : 08B102R-RFUSP01V02

QuieTek

Product Name	：	New SideKick
Applicant	：	Silent Call Communications Corporation
Address	：	5095 Williams Lake Road , Waterford, Michigan 48329 U.S.A.
Manufacturer	：	Silent Call Communications Corporation
Model No.	：	SK2-SS
FCC ID.	：	DoC
Rated Voltage	：	DC 17.2V
EUT Voltage	：	AC 120 V / 60 Hz
Trade Name	：	SilentCall Communications Sidekick II
Applicable Standard	：	FCC CFR Title 47 Part 15 Subpart B: 2007 Class B, CISPR 22: 2006
Test Result	：	Complied

The test results relate only to the samples tested.
The test report shall not be reproduced except in full without the written approval of QuieTek Corporation.

Documented By : Sandy Chuang

(Sandy Chuang Engineering Adm. Specialist)

Reviewed By : Sheena Huang

(Sheena Huang Engineer)

Approved By : Roy Wang

(Roy Wang / Manager)

TABLE OF CONTENTS

1. General Information

1.1. EUT Description

Product Name	New SideKick
Trade Name	SilentCall Communications Sidekick II
Model No.	SK2-SS
Frequency Range	318MHz
Channel Control	Auto

Component	
Vibrator	VIB-PJ, Non-Shielded
Power Adapter	Silent Call, MA-2617014FU I/P: AC 100-240V~50/60Hz 0.3MAX O/P: DC 17.2V 0.8A 13.7W Cable Out: Non-Shielded, 1.8m

Working Frequency of Each Channel	
Channel	Frequency
001	318MHz

Note:

1. This device is a New SideKick included a 318MHz receiving function, and 418MHz transmitting function.
2. These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 15 Subpart B for 318MHz Receiver
3. Regards to the frequent band operation; three channels were selected to perform the test, then shown on this report.
4. This device is a composite device in accordance with Part 15 regulations. The function for the 418MHz transmitting was measured and made a test report that the report number is 08B102R-RFUSP04V01, certified under FCC ID: PPJSCXMIT08

1.2. Test Mode

QuieTek has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Pre-Test Mode	
EMI	Mode 1: Receive
Final Test Mode	
RX	Mode 1: Receive

Emission	
Conducted Emission	Yes
Radiated Emission	Yes

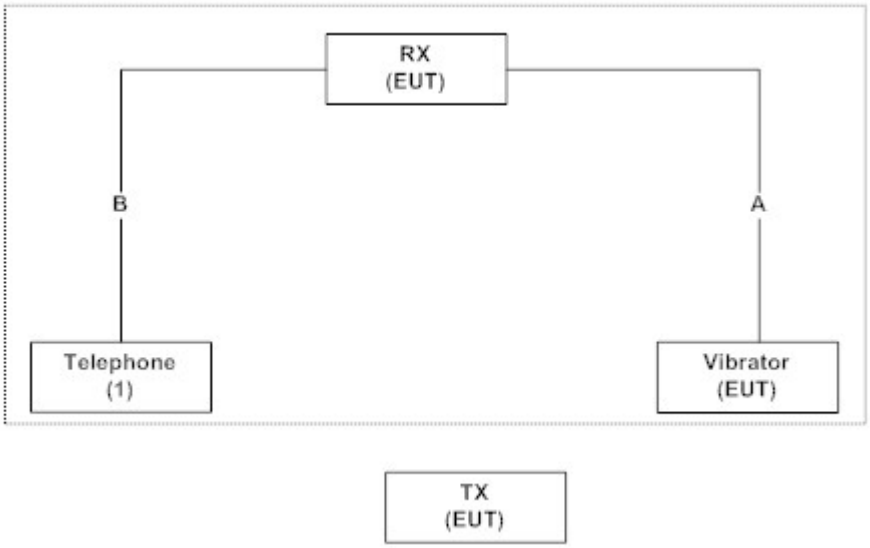
1.3. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product		Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1	Telephone	TENTEL	K-302	41230008000365	DoC	--

1.4. Configuration of tested System

Connection Diagram



Signal Cable Type		Signal cable Description
A	Vibrator Cable	Non-Shielded, 1.8m
B	Telephone Cable	Non-Shielded, 1.5m

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual
Temperature (°C)	FCC PART 15 B 15.107 Conducted Emission	15 - 35	25
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 B 15.109 Radiated Emission	15 - 35	25
Humidity (%RH)		25 - 75	65
Barometric pressure (mbar)		860 - 1060	950-1000

Site Description:

August 30, 2007 File on
Federal Communications Commission
Laboratory Division
7435 Oakland Mills Road
Columbia, MD 21046
Registration Number: 365520

Accredited by TAF
Accreditation Number: 1313
Effective through: December 27, 2010

Accredited by NVLAP
NVLAP Lab Code: 200347-0
Effective through: September 30, 2009

Site Name: Quietek Corporation

Site Address: No.75-1, Wang-Yeh Valley, Yung-Hsing,
Chiung-Lin, Hsin-Chu County,
Taiwan, R.O.C.
TEL : 886-3-592-8858 / FAX : 886-3-592-8859
E-Mail : service@quietek.com

2. Conducted Emission

2.1. Test Equipment

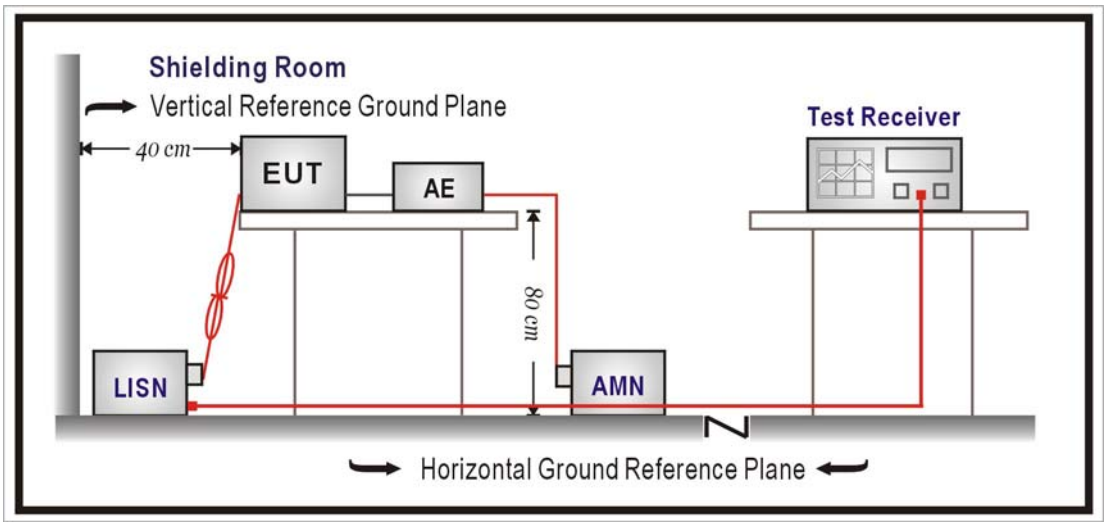
The following test equipment are used during the test:

Conducted Emission / SR3

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
4-Wire ISN	R & S	ENY 41	837032/001	2008/04/15
Double 2-Wire ISN	R & S	ENY 22	835354/008	2008/04/15
LISN	R&S	ESH3-Z5	836679/022	2008/06/17
LISN	R & S	ESH3-Z5	836679/013	2007/12/30
Pulse Limiter	R & S	ESH3-Z2	100411	2007/11/16
Test Receiver	R & S	ESCS 30	100149	2007/11/15

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

2.2. Test Setup



2.3. Limits

FCC Part 15 Subpart B Paragraph 15.107 Limits (dBuV)				
Frequency MHz	Class A		Class B	
	QP	AV	QP	AV
0.15 - 0.50	79	66	66-56	56-46
0.50-5.0	73	60	56	46
5.0 - 30	73	60	60	50

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

2.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs.)
Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2003 on conducted measurement.
Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

2.5. Test Specification

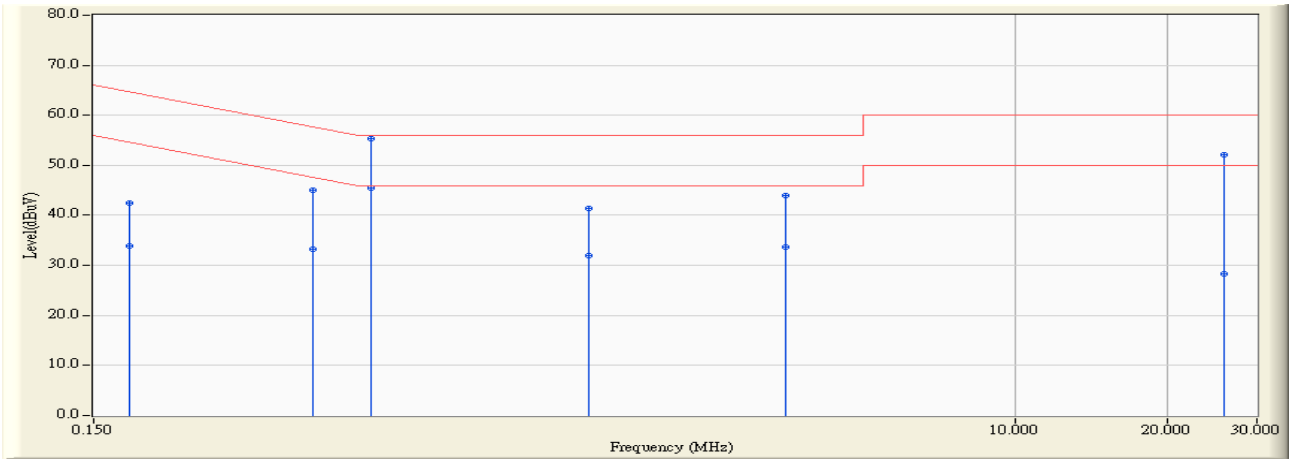
According to FCC Part 15 Subpart B: 2007

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR3	Time : 2008/11/12 - 11:00
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A) - Line1	Power : AC 120V/60hz
EUT : Fire Alarm Transmitter	Note : RX

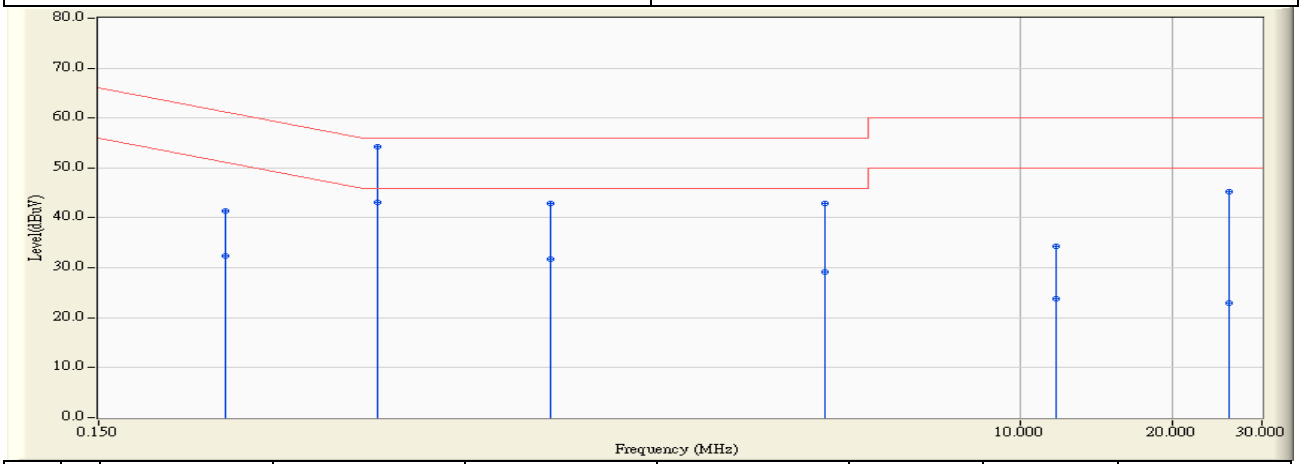


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.177	9.640	32.820	42.460	-22.149	64.609	QUASIPEAK
2		0.177	9.640	24.240	33.880	-20.729	54.609	AVERAGE
3		0.408	9.843	35.280	45.123	-12.570	57.693	QUASIPEAK
4		0.408	9.843	23.460	33.303	-14.390	47.693	AVERAGE
5	*	0.529	9.889	45.531	55.420	-0.580	56.000	QUASIPEAK
6		0.529	9.889	35.489	45.378	-10.622	46.000	AVERAGE
7		1.427	9.881	31.620	41.501	-14.499	56.000	QUASIPEAK
8		1.427	9.881	22.020	31.901	-14.099	46.000	AVERAGE
9		3.513	9.915	34.080	43.995	-12.005	56.000	QUASIPEAK
10		3.513	9.915	23.660	33.575	-12.425	46.000	AVERAGE
11		25.767	10.350	41.860	52.210	-7.790	60.000	QUASIPEAK
12		25.767	10.350	17.940	28.290	-21.710	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR3	Time : 2008/11/14 - 19:31
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A) - Line2	Power : AC 120V/60hz
EUT : Fire Alarm Transmitter	Note : RX



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.267	9.666	31.800	41.466	-19.738	61.205	QUASIPEAK
2		0.267	9.666	22.740	32.406	-18.798	51.205	AVERAGE
3	*	0.533	9.802	44.460	54.263	-1.737	56.000	QUASIPEAK
4		0.533	9.802	33.280	43.083	-2.917	46.000	AVERAGE
5		1.173	9.815	33.060	42.875	-13.125	56.000	QUASIPEAK
6		1.173	9.815	21.840	31.655	-14.345	46.000	AVERAGE
7		4.091	9.847	33.100	42.947	-13.053	56.000	QUASIPEAK
8		4.091	9.847	19.260	29.107	-16.893	46.000	AVERAGE
9		11.713	10.157	24.140	34.297	-25.703	60.000	QUASIPEAK
10		11.713	10.157	13.720	23.877	-26.123	50.000	AVERAGE
11		25.787	10.578	34.640	45.218	-14.782	60.000	QUASIPEAK
12		25.787	10.578	12.380	22.958	-27.042	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

3. Radiated Emission

3.1. Test Equipment

The following test equipment are used during the test:

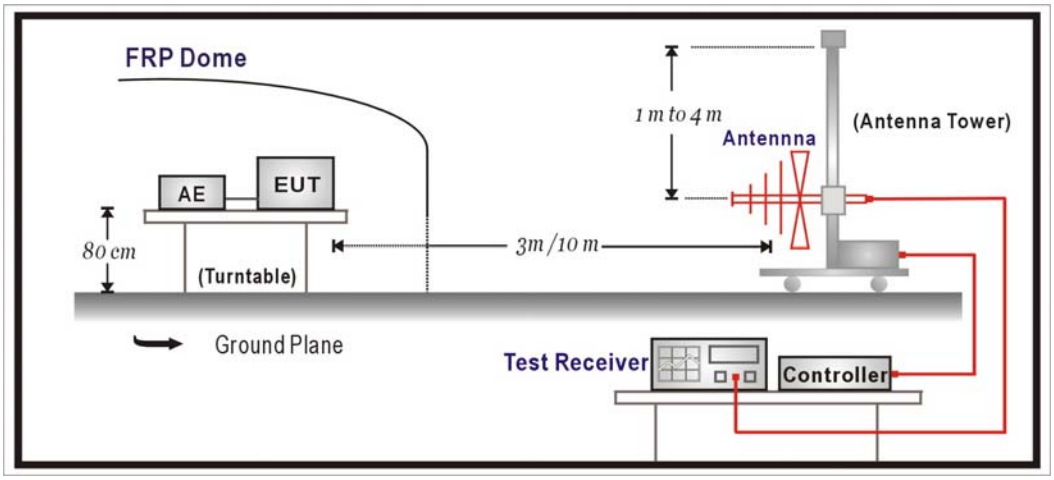
Radiated Emission / Site1

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Bilog Antenna	Schaffner Chase	CBL6112B	2895	2007/09/03
Horn Antenna	Electro Metrics	EM-6961	103325	2008/03/15
Pre-Amplifier	HP	8449B	3008A01123	2008/11/15
Pre-Amplifier	Quietek	AP-025C	N/A	N/A
Spectrum Analyzer	R & S	FSP40	100005	2007/08/25
Spectrum Analyzer	Advantest	R3162	120300649	2007/11/24
Test Receiver	R & S	ESCS 30	825442/017	2008/02/13

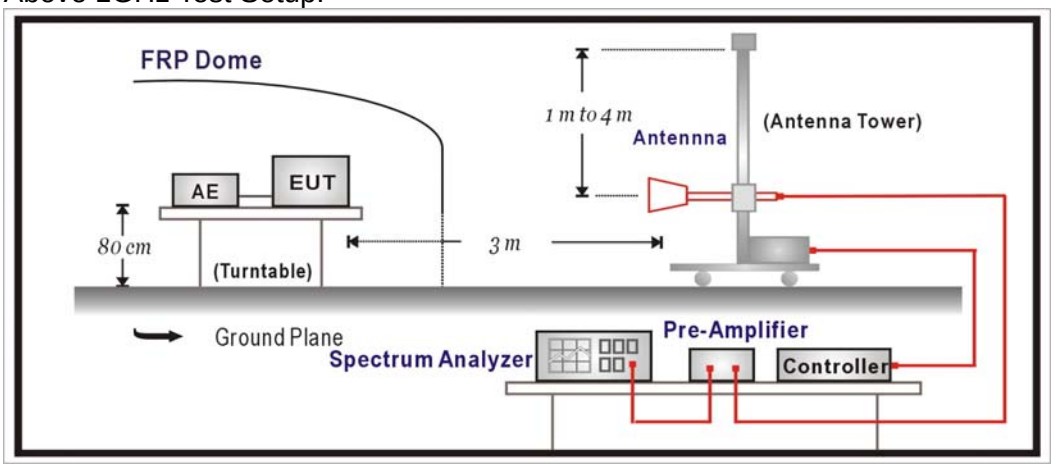
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.
2. “N/A” Ca1.Date is used to Pre-test, not final test.

3.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



3.3. Limits

CISPR 22 Limits (dBuV/m)				
Frequency MHz	Class A		Class B	
	Distance (m)	dBuV/m	Distance (m)	dBuV/m
30 – 230	10	40	10	30
230 – 1000	10	47	10	37

Remark: 1. The tighter limit shall apply at the edge between two frequency bands.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
3. RF Voltage (dBuV/m) = 20 log RF Voltage (uV/m)

FCC Part 15 Subpart B Paragraph 15.109 Limits				
Frequency MHz	Class A		Class B	
	Distance (m)	dBuV/m	Distance (m)	dBuV/m
30-88	10	39	3	40
88-216	10	43.5	3	43.5
216-960	10	46.4	3	46
Above 960	10	49.5	3	54

Remarks : 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Carrier current systems used as unintentional radiators or other unintentional radiators that are designed to conduct their radio frequency emissions via connecting wires or cables and that operate in the frequency range of 9 kHz to 30 MHz, including devices that deliver the radio frequency energy to transducers, such as ultrasonic devices not covered under part 18 of this chapter, shall comply with the radiated emission limits for intentional radiators provided in §15.209 for the frequency range of 9 kHz to 30 MHz. As an alternative, carrier current systems used as unintentional radiators and operating in the frequency range of 525 kHz to 1705 kHz may comply with the radiated emission limits provided in §15.221(a).

3.4. Test Procedure

Under 30MHz Test:

The EUT and its simulators are placed on a turn table which is 1.0 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum electric field strength. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna which is 1.0 meter above ground. All X-axis, Y-axis and Z-axis polarization of the antenna are set on measurement.

The bandwidth below 30MHz setting on the field strength meter (R&S Test Receiver ESCS 30) is 200Hz and above 30MHz is 9 kHz.

The emission limit shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000MHz. Radiated emission limit in these three bands are based on measurements employing an average detector.

Above 30MHz Test:

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

For class A, the EUT was positioned such that the distance from antenna to the EUT was 10 meters for under 1GHz and above 1GHz.

For class B, the EUT was positioned such that the distance from antenna to the EUT was 3 or 10 meters for under 1GHz and 3 meters for above 1GHz.

The bandwidth below 1GHz setting on the field strength meter (R&S Test Receiver ESCS 30) is 120 kHz and above 1GHz is 1MHz.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission.

All of the interface cables must be manipulated according to ANSI C63.4:2003 on radiated measurement.

For an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the folowing table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5^{th} harmonic of the highest frequency or 40 GHz, whichever is lower

On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a CISPR quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

3.5. Test Specification

According to FCC Part 15 Subpart B: 2007

3.6. Uncertainty

The measurement uncertainty

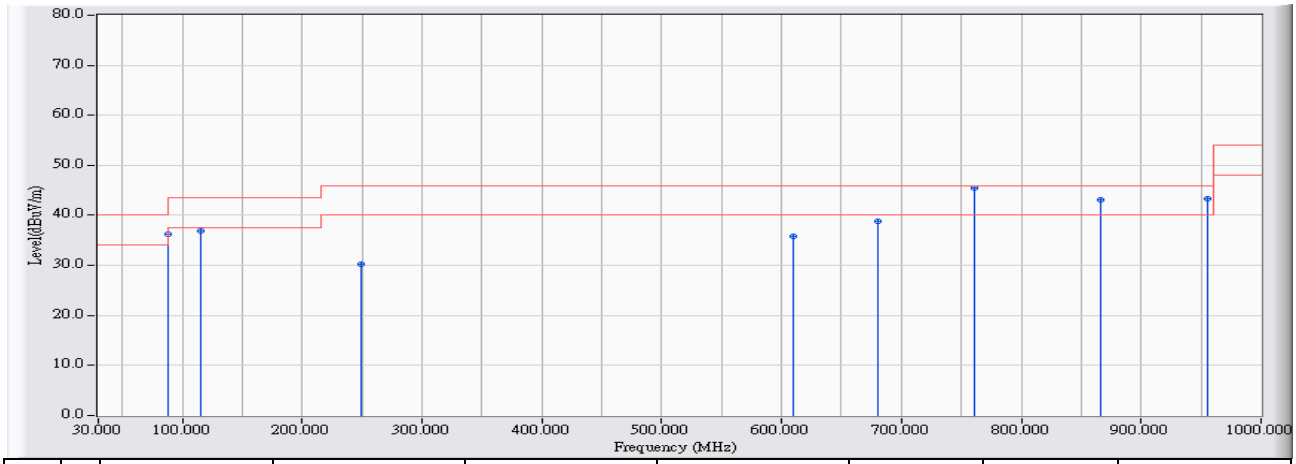
30MHz～1GHz as ±3.19dB

1GHz～26.5GHz as ±3.9dB

3.7. Test Result

30MHz-1GHz Spurious:

Site : Site 1	Time : 2008/11/17 - 10:34
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB3_FCC_30-1G(2008-9) - HORIZONTAL	Power : AC 120V/50Hz
EUT : Fire Alarm Transmitter	Note : Rx

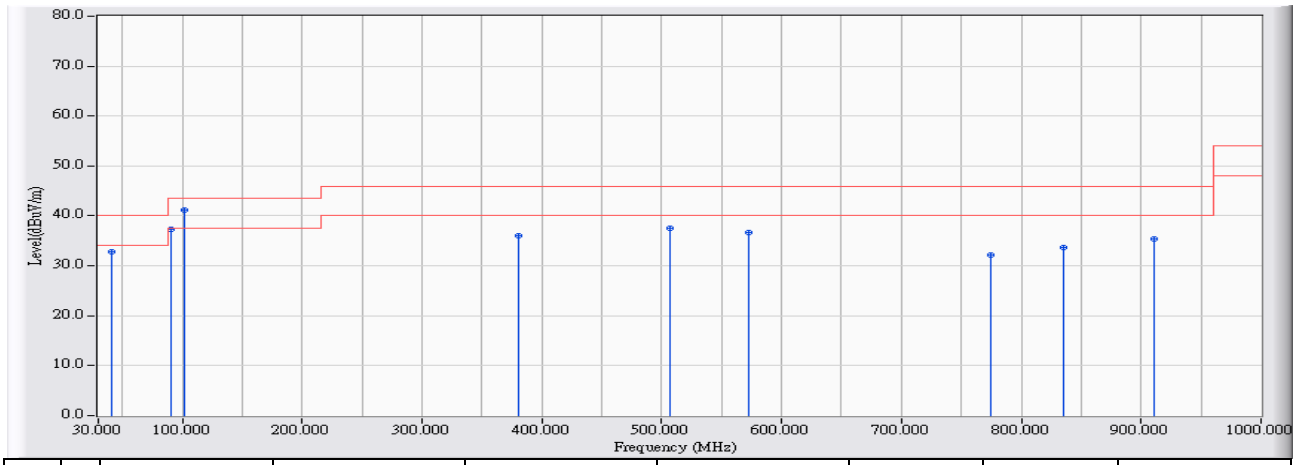


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		88.200	-14.791	50.967	36.176	-7.324	43.500	QUASIPEAK
2		115.360	-13.736	50.700	36.965	-6.535	43.500	QUASIPEAK
3		249.220	-12.816	43.055	30.239	-15.761	46.000	QUASIPEAK
4		610.060	-1.968	37.769	35.801	-10.199	46.000	QUASIPEAK
5		679.900	-1.847	40.700	38.853	-7.147	46.000	QUASIPEAK
6	*	761.380	-4.423	49.793	45.371	-0.629	46.000	QUASIPEAK
7		866.140	0.535	42.577	43.112	-2.888	46.000	QUASIPEAK
8		955.380	2.993	40.390	43.383	-2.617	46.000	QUASIPEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : Site 1	Time : 2008/11/17 - 10:34
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB3_FCC_30-1G(2008-9) - VERTICAL	Power : AC 120V/50Hz
EUT : Fire Alarm Transmitter	Note : Rx



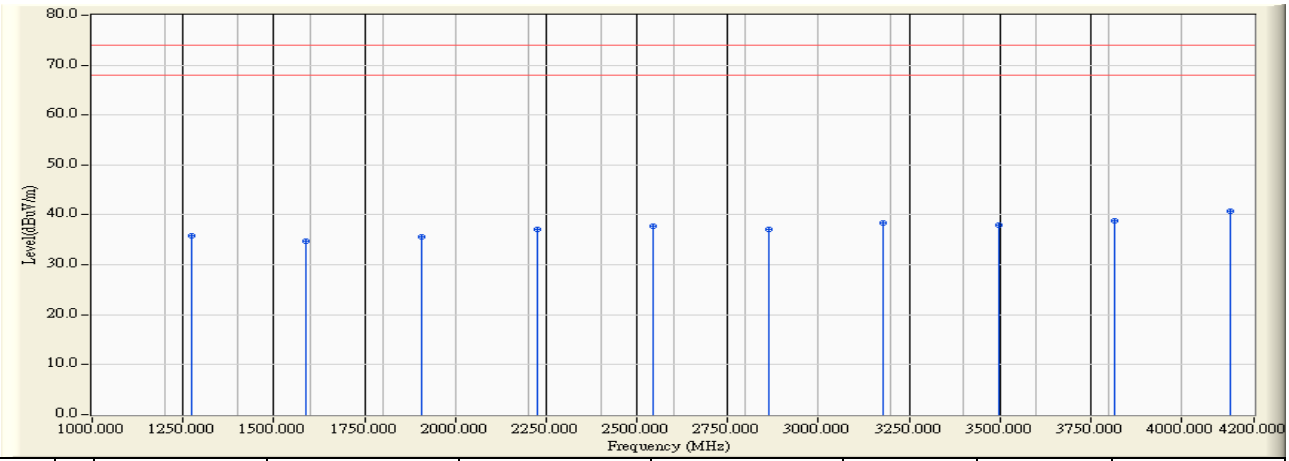
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		41.640	-9.598	42.448	32.850	-7.150	40.000	QUASIPEAK
2		90.140	-12.585	49.803	37.218	-6.282	43.500	QUASIPEAK
3	*	101.780	-11.196	52.368	41.172	-2.328	43.500	QUASIPEAK
4		381.140	-9.383	45.400	36.018	-9.982	46.000	QUASIPEAK
5		507.240	-5.772	43.215	37.443	-8.557	46.000	QUASIPEAK
6		573.200	-7.872	44.638	36.767	-9.233	46.000	QUASIPEAK
7		774.960	-5.165	37.246	32.081	-13.919	46.000	QUASIPEAK
8		835.100	-2.348	36.064	33.716	-12.284	46.000	QUASIPEAK
9		910.760	-2.687	38.167	35.480	-10.520	46.000	QUASIPEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

1 GHz Spurious:

Site : Site 1	Time : 2008/11/11 - 17:58
Limit : FCC_B_(Above_1G)_3M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2008-05) - HORIZONTAL	Power : AC 120V/50Hz
EUT : Fire Alarm Transmitter	Note : RX

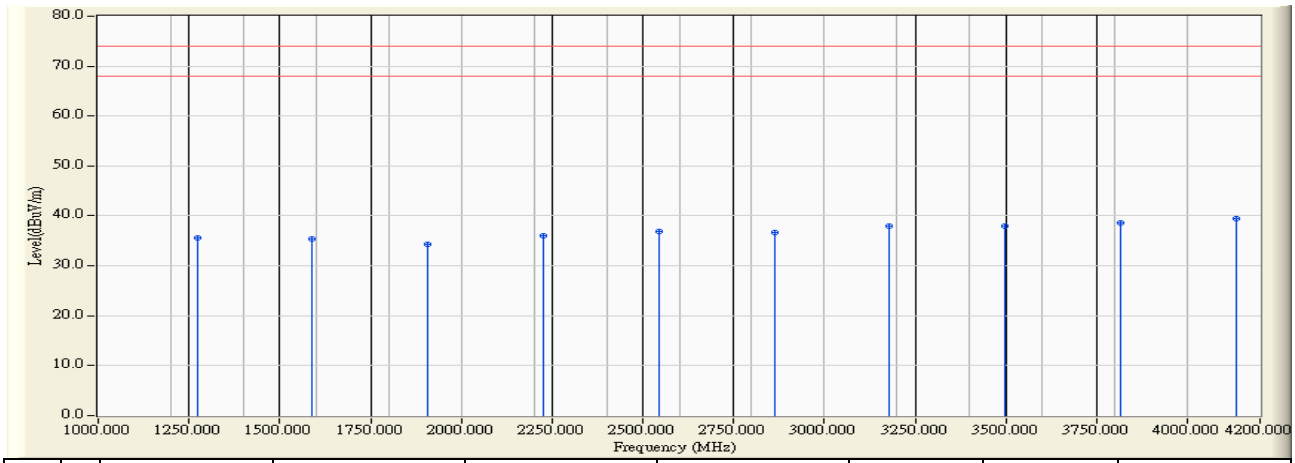


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1272.000	-7.750	43.530	35.780	-38.220	74.000	PEAK
2		1590.010	-6.583	41.400	34.817	-39.183	74.000	PEAK
3		1908.000	-5.459	41.090	35.631	-38.369	74.000	PEAK
4		2226.020	-4.357	41.460	37.103	-36.897	74.000	PEAK
5		2544.000	-3.342	41.060	37.718	-36.282	74.000	PEAK
6		2862.000	-2.663	39.840	37.177	-36.823	74.000	PEAK
7		3180.020	-2.025	40.380	38.355	-35.645	74.000	PEAK
8		3498.000	-1.407	39.400	37.993	-36.007	74.000	PEAK
9		3816.000	0.546	38.310	38.855	-35.145	74.000	PEAK
10	*	4134.020	1.369	39.330	40.699	-33.301	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : Site 1	Time : 2008/11/12 - 15:20
Limit : FCC_B_(Above_1G)_3M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2008-05) - VERTICAL	Power : AC 120V/50Hz
EUT : Fire Alarm Transmitter	Note : RX



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1272.000	-7.750	43.320	35.570	-38.430	74.000	PEAK
2		1589.960	-6.583	42.060	35.477	-38.523	74.000	PEAK
3		1908.000	-5.459	39.750	34.291	-39.709	74.000	PEAK
4		2226.000	-4.357	40.370	36.013	-37.987	74.000	PEAK
5		2544.000	-3.342	40.160	36.818	-37.182	74.000	PEAK
6		2862.000	-2.663	39.320	36.657	-37.343	74.000	PEAK
7		3180.000	-2.025	40.070	38.045	-35.955	74.000	PEAK
8		3498.000	-1.407	39.300	37.893	-36.107	74.000	PEAK
9		3816.000	0.546	38.040	38.585	-35.415	74.000	PEAK
10	*	4134.000	1.369	38.150	39.519	-34.481	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

4. Radiated Emission for Superregenerative Receiver

4.1. Test Equipment

The following test equipments are used during the test:

Radiated Emission / Site1

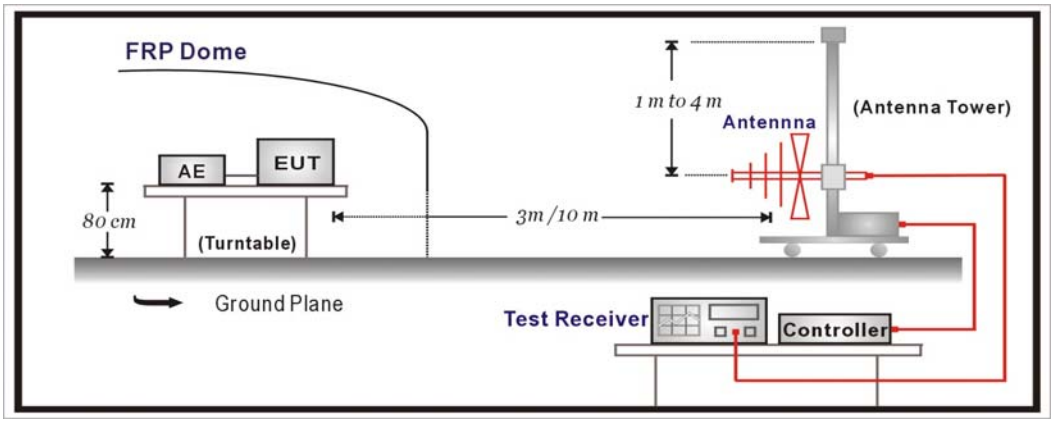
Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Bilog Antenna	Schaffner Chase	CBL6112B	2895	2008/09/03
Horn Antenna	Electro Metrics	EM-6961	103325	2008/03/15
Pre-Amplifier	HP	8449B	3008A01123	2008/11/15
Pre-Amplifier	Quietek	AP-025C	N/A	N/A
Spectrum Analyzer	R & S	FSP40	100005	2008/08/25
Spectrum Analyzer	Advantest	R3162	120300649	2008/11/24
Test Receiver	R & S	ESCS 30	825442/017	2008/02/13

Note: 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

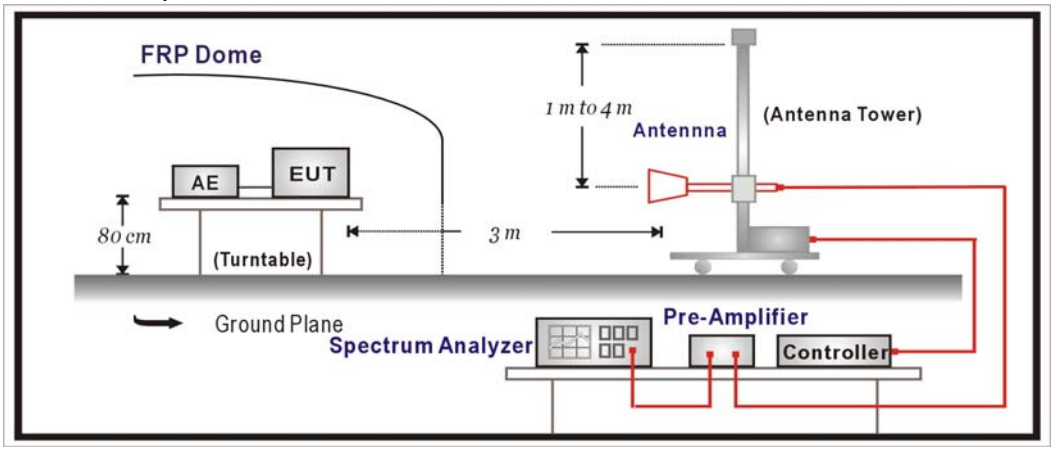
2. Last Cal showing “N/A” means it is used to Pre-test, not for final test.

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	dBuV/m	dBuV/m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remarks: E field strength (dBuV/m) = 20 log E field strength (uV/m)

4.4. Test Procedure

The EUT was setup according to ANSI C63.4, 12.1.1.1 2003.

A signal generator, not the matching transmitter, shall be used to radiate an unmodulated CW signal to a superregenerative receiver at its operating frequency in order to “cohere” or to resolve the individual components of the characteristic broadband emissions from such a receiver. The level of the signal may need to be increased for this to occur.

If a superregenerative receiver is tested for radiated emissions with a resistive termination instead of an antenna connected to the antenna input terminals, apply the unmodulated signal at a level of approximately

–60 dBm to the antenna terminals, using an impedance-matching network if necessary, to “cohere” the emissions. It may be necessary to adjust the signal level to accomplish this.

The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4:2003 on radiated measurement.

The resolution bandwidth setting on the field strength meter is 100 kHz.

4.5. Uncertainty

The measurement uncertainty

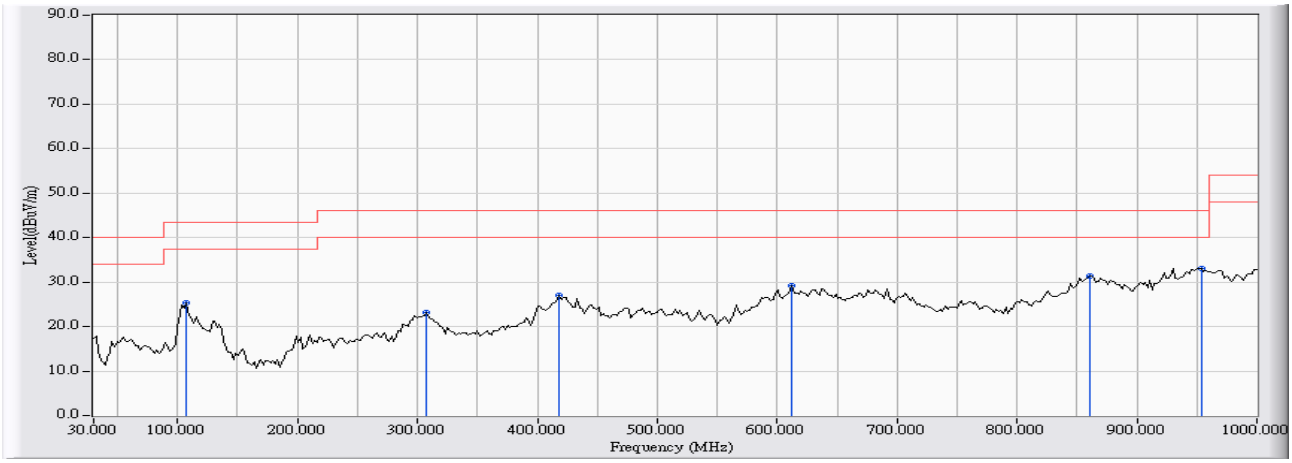
30MHz～1GHz as ±3.19dB

1GHz～26.5Ghz as ±3.9dB

4.6. Test Result

30M-1G

Site : Site 1	Time : 2008/12/29 - 18:53
Limit : FCC_RX_ANSI_C63.4-12.1.1.1_03M_QP	Margin : 6
Probe : CB3_FCC_30-1G(2008-9) - HORIZONTAL	Power : AC 120V/60Hz
EUT : New SideKick	Note : RX

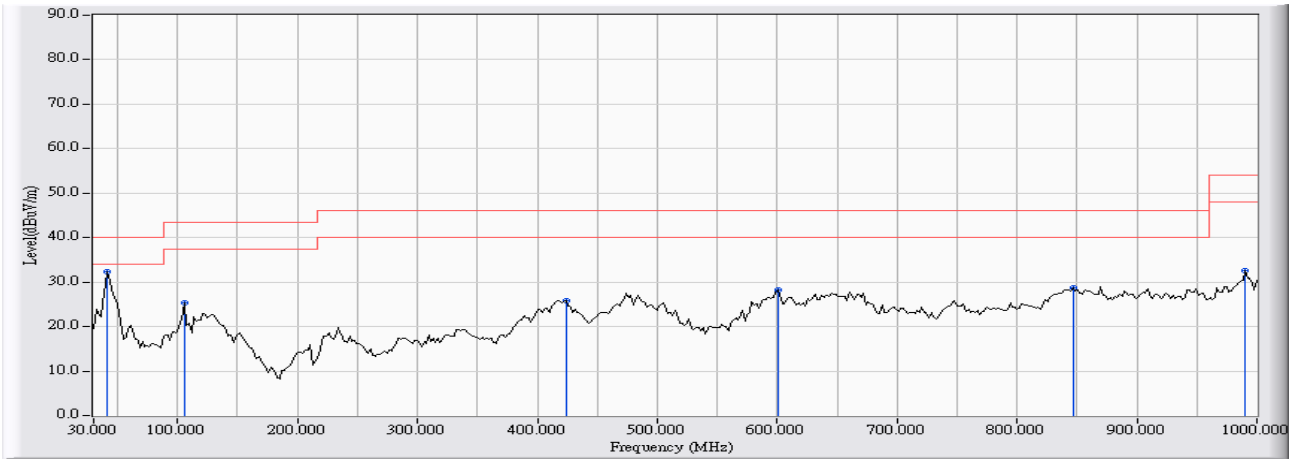


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		107.600	-14.949	40.224	25.274	-18.226	43.500	QUASIPEAK
2		307.420	-7.958	31.237	23.279	-22.721	46.000	QUASIPEAK
3		418.000	-3.868	30.815	26.947	-19.053	46.000	QUASIPEAK
4		612.000	-2.025	31.284	29.259	-16.741	46.000	QUASIPEAK
5		860.320	1.047	30.399	31.446	-14.554	46.000	QUASIPEAK
6	*	953.440	3.027	30.147	33.174	-12.826	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site 1	Time : 2008/12/29 - 18:57
Limit : FCC_RX_ANSI_C63.4-12.1.1.1_03M_QP	Margin : 6
Probe : CB3_FCC_30-1G(2008-9) - VERTICAL	Power : AC 120V/60Hz
EUT : New SideKick	Note : RX



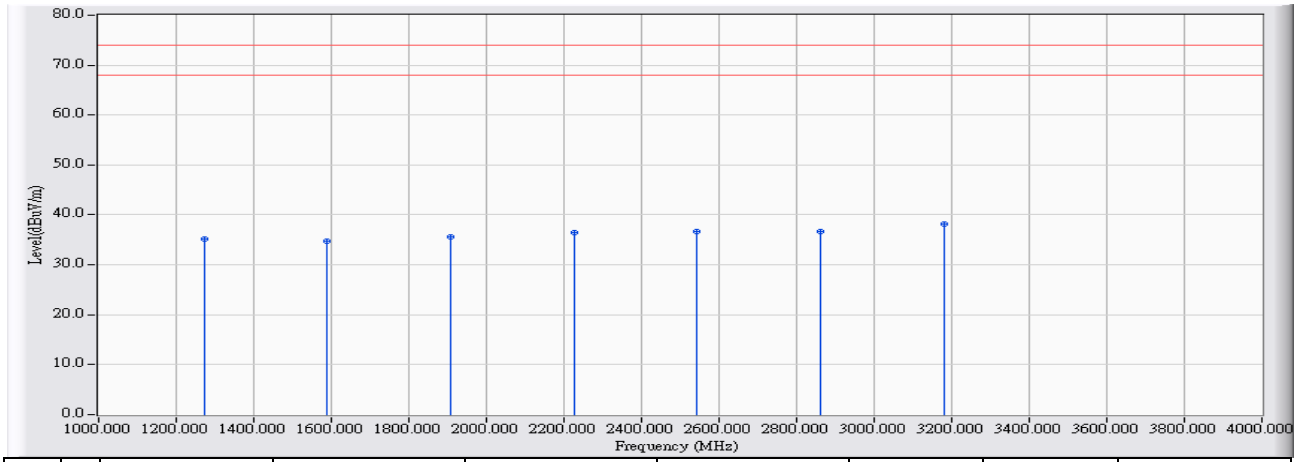
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	41.640	-9.598	41.835	32.237	-7.763	40.000	QUASIPEAK
2		105.660	-11.950	37.167	25.217	-18.283	43.500	QUASIPEAK
3		423.820	-4.680	30.609	25.929	-20.071	46.000	QUASIPEAK
4		600.360	-2.164	30.450	28.286	-17.714	46.000	QUASIPEAK
5		846.740	-1.556	30.155	28.599	-17.401	46.000	QUASIPEAK
6		990.300	1.135	31.334	32.469	-21.531	54.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

1G-4G

Site : Site 1	Time : 2008/12/29 - 18:46
Limit : FCC_RX_ANSI_C63.4-12.1.1.10_3M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2008-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : New SideKick	Note : RX

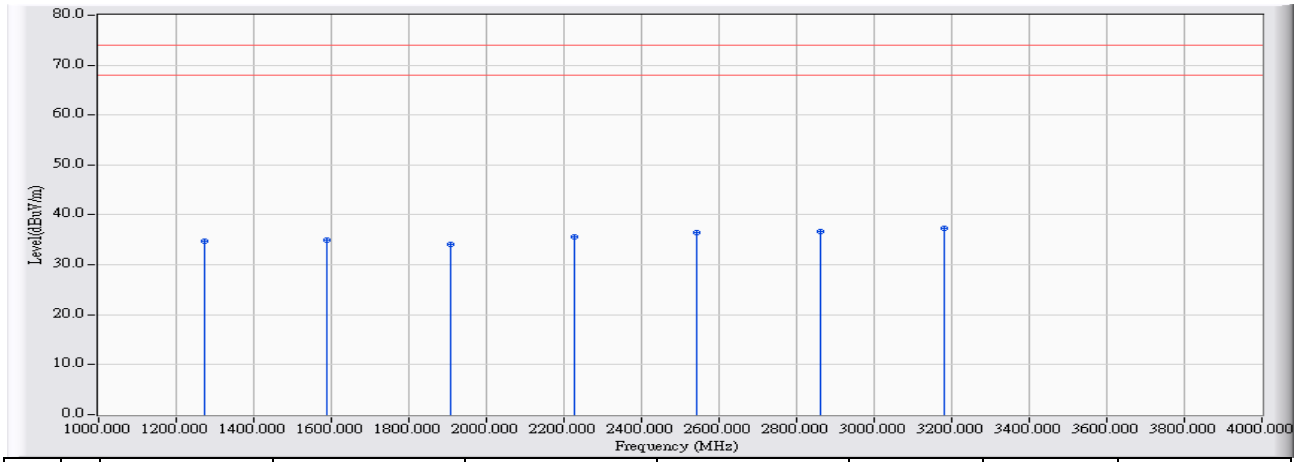


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1272.012	-7.750	42.991	35.241	-38.759	74.000	PEAK
2		1590.014	-6.583	41.310	34.727	-39.273	74.000	PEAK
3		1907.976	-5.459	40.973	35.514	-38.486	74.000	PEAK
4		2225.999	-4.357	40.925	36.568	-37.432	74.000	PEAK
5		2543.984	-3.342	40.073	36.731	-37.269	74.000	PEAK
6		2862.016	-2.663	39.243	36.580	-37.420	74.000	PEAK
7	*	3180.021	-2.025	40.253	38.228	-35.772	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2008/12/29 - 18:46
Limit : FCC_RX_ANSI_C63.4-12.1.1.1_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2008-05) - VERTICAL	Power : AC 120V/60Hz
EUT : New SideKick	Note : RX



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1271.984	-7.750	42.544	34.794	-39.206	74.000	PEAK
2		1589.936	-6.583	41.528	34.945	-39.055	74.000	PEAK
3		1907.982	-5.459	39.524	34.065	-39.935	74.000	PEAK
4		2226.015	-4.357	40.037	35.680	-38.320	74.000	PEAK
5		2543.969	-3.342	39.717	36.375	-37.625	74.000	PEAK
6		2862.013	-2.663	39.314	36.651	-37.349	74.000	PEAK
7	*	3179.974	-2.025	39.449	37.424	-36.576	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

5. Antenna Power Conduction for Receiver

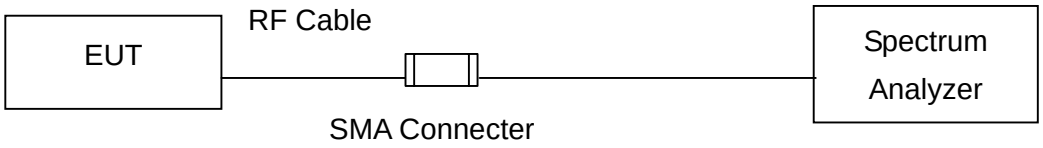
5.1. Test Equipment

The following test equipments are used during the test:

Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP40/100005	Aug., 2008
2	No.1 OATS			Sep., 2008

Note: 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

5.2. Test Setup



1.1. Test procedures

The power at the antenna terminal at any frequency within the range of measurements specified in Section 15.33

1.2. Limits

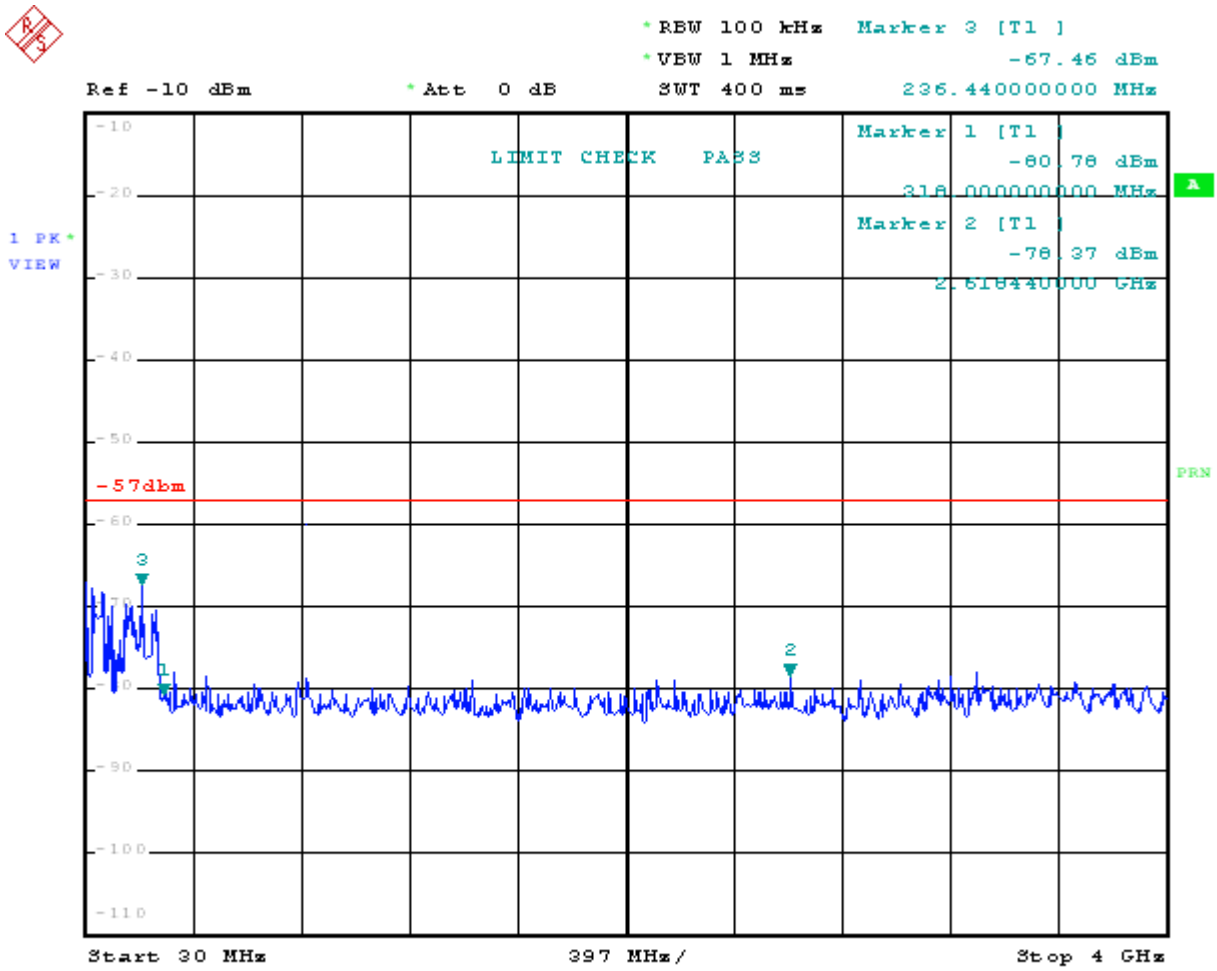
Shall not exceed 2.0 nanowatts.

5.3. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

5.6. Test Result

Product	New SideKick		
Test Item	Antenna Power Conduction for Receiver		
Test Mode	Mode 1: Receive		
Date of Test	2007/12/30	Test Site	No.1 OATS



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