



Test Report

Product Name : New SideKick

Model No. : SK09214-2

FCC ID. : PPJNSK318SC

Applicant : Silent Call Communications Corporation

Address : 5095 Williams Lake Road , Waterford, Michigan 48329 U.S.A.

Date of Receipt : 2008/11/06

Report No. : 08B098R-RFUSP01V02

Issued Date : 2008/12/31

Version : V1.0

The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF, NVLAP, NIST or any agency of the Government.

The test report shall not be reproduced except in full without the written approval of QuieTek Corporation.

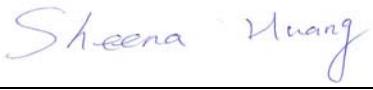
Test Report Certification

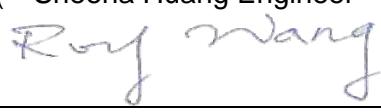
Issued Date : 2008/12/31
Report No. : 08B098R-RFUSP01V02

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. : SK09214-2
Rated Voltage : DC 17.2V
EUT Voltage : AC 120 V / 60 Hz
Trade Name : 
Applicable Standard : FCC CFR Title 47 Part 15 Subpart B: 2007 Class B
CISPR 22: 2006
Test Result : Complied
Performed Location : Hsinchu EMC Laboratory
N0. 75-2, 3rd Lin, Wangye Keng, Yonghxing Tsuen, Qionglin
Shiang, Hsinchu County 307, Taiwan, R.O.C
TEL:+886-3-592-8858 / FAX:+886-3-592-8859

Documented By : 
(Sandy Chuang Engineering Adm. Specialist)

Reviewed By : 
(Sheena Huang Engineer)

Approved By : 
(Roy Wang / Manager)

Laboratory Information

We, **Quietek Corporation**, are an independent EMC and safety consultancy that was established the whole facility in our laboratories. The test facility has been accredited/accepted (audited or listed) by the following related bodies in compliance with ISO 17025, EN 45001 and specified testing scopes:

Taiwan R.O.C.	:	BSMI, NCC, TAF
Germany	:	TUV Rheinland
Norway	:	Nemko, DNV
USA	:	FCC, NVLAP
Japan	:	VCCI

The related certificate for our laboratories about the test site and management system can be downloaded from Quietek Corporation's Web Site :<http://tw.quietek.com/modules/enterprise/services.php?item=100>
The address and introduction of Quietek Corporation's laboratories can be founded in our Web site :
<http://www.quietek.com/>

If you have any comments, Please don't hesitate to contact us. Our contact information is as below:

HsinChu Testing Laboratory :

No.75-2, 3rd Lin, Wangye Keng, Yonghxing Tsuen, Qionglin Shiang, Hsinchu County 307, Taiwan, R.O.C.
TEL:+886-3-592-8858 / FAX:+886-3-592-8859 E-Mail : service@quietek.com



LinKou Testing Laboratory :

No. 5, Ruei-Shu Valley, Ruei-Ping Tsuen, Lin-Kou Shiang, Taipei, Taiwan, R.O.C.
TEL : 886-2-8601-3788 / FAX : 886-2-8601-3789 E-Mail : service@quietek.com



TABLE OF CONTENTS

Description	Page
1. General Information	6
1.1. EUT Description	6
1.2. Mode of Operation	7
1.3. Tested System Details.....	8
1.4. Configuration of Tested System	8
1.5. EUT Exercise Software	9
2. Technical Test.....	10
2.1. Summary of Test Result	10
2.2. List of Test Equipment.....	11
2.3. Measurement Uncertainty	11
2.4. Test Environment	11
3. Conducted Emission	12
3.1. Test Specification	12
3.2. Test Setup	12
3.3. Limit.....	12
3.4. Test Procedure	13
3.5. Test Result	14
3.6. Test Photograph	16
4. Radiated Emission	17
4.1. Test Specification	17
4.2. Test Setup	17
4.3. Limit.....	18
4.4. Test Procedure	19
4.5. Test Result	20
4.6. Test Photograph	24
5. Radiated Emission for Superregenerative Receiver	26
5.1. Test Equipment	26
5.2. Test Setup	26
5.3. Limits	27
5.4. Test Procedure	28
5.5. Uncertainty	28
5.6. Test Result	29
5.7. Test Photograph	33
6. Antenna Power Conduction for Receiver.....	35
6.1. Test Equipment	35
6.2. Test Setup	35

6.3.	Test procedures.....	35
6.4.	Limits.....	35
6.5.	Uncertainty	35
6.6.	Test Result	36
	Attachment.....	37
	EUT Photograph	37

1. General Information**1.1. EUT Description**

Product Name	New SideKick
Trade Name	
Model No.	SK09214-2
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 EUT is a New SideKick.

1.2. Mode of Operation

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:

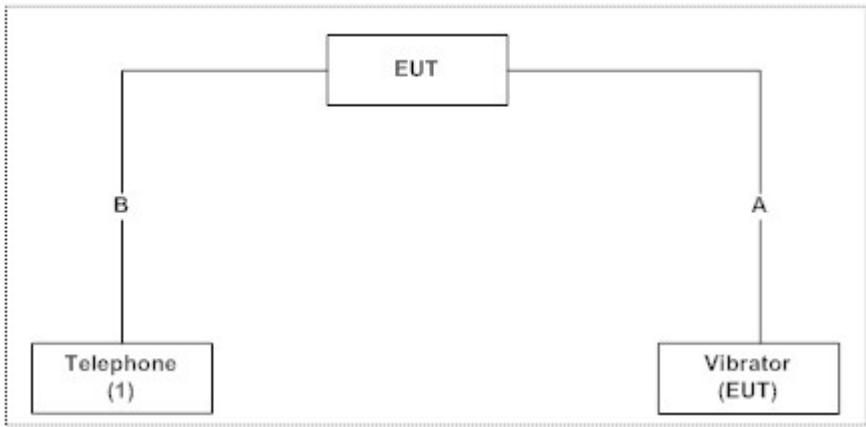
Pre-Test Mode	
Mode 1: Receive	
Final Test Mode	
Emission	Mode 1: Receive

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.	Power Cord
1 Telephone	TENTEL	K-302	41230008000365	--

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

2. Technical Test

2.1. Summary of Test Result

- No deviations from the test standards
- Deviations from the test standards as below description:

Emission			
Performed Item	Normative References	Test Performed	Deviation
Conducted Emission	FCC CFR Title 47 Part 15 Subpart B: 2007 Class B ANSI C63.4: 2003	Yes	No
Radiated Emission	FCC CFR Title 47 Part 15 Subpart B: 2007 Class B ANSI C63.4: 2003	Yes	No

2.2. List of Test Equipment

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

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	2007/12/12
Pre-Amplifier	Quietek	AP-025C	N/A	N/A
Spectrum Analyzer	R & S	FSP40	100005	2008/08/25
Spectrum Analyzer	Advantest	R3162	120300649	2007/11/24
Test Receiver	R & S	ESCS 30	825442/017	2008/02/13

2.3. Measurement Uncertainty

Conducted Emission

The measurement uncertainty is evaluated as \pm 2.26 dB.

Radiated Emission

The measurement uncertainty is evaluated as \pm 3.19 dB.

2.4. Test Environment

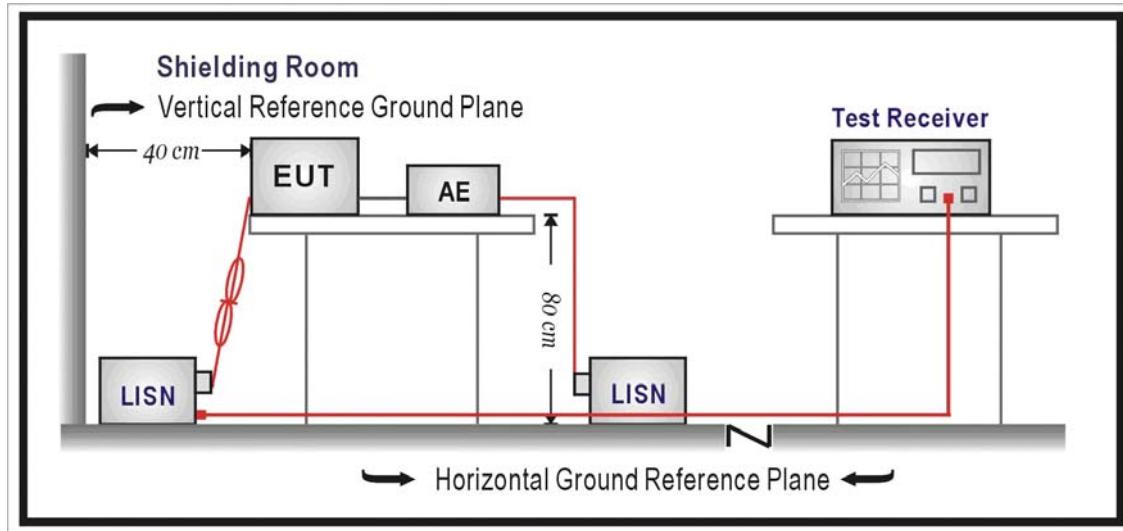
Performed Item	Items	Required	Actual
Conducted Emission	Temperature (°C)	15-35	25
	Humidity (%RH)	25-75	50
	Barometric pressure (mbar)	860-1060	950-1000
Radiated Emission	Temperature (°C)	15-35	25
	Humidity (%RH)	25-75	65
	Barometric pressure (mbar)	860-1060	950-1000

3. Conducted Emission

3.1. Test Specification

According to Standard : FCC Part 15 Subpart B, ANSI C63.4

3.2. Test Setup



3.3. Limit

Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 - 0.50	66 - 56	56 – 46
0.50-5.0	56	46
5.0 - 30	60	50

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

3.4. 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.

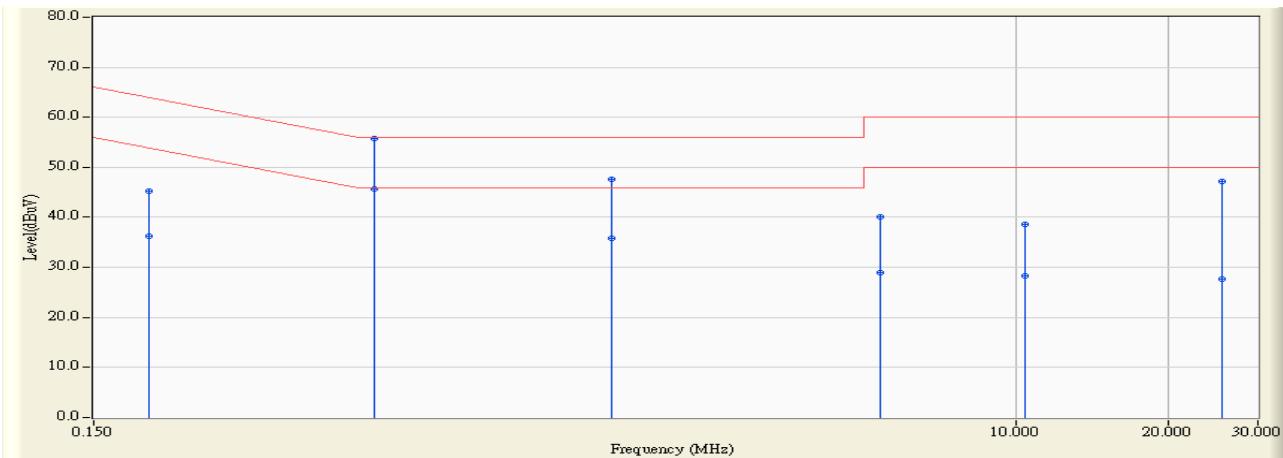
(Please refers to the block diagram of the test setup and photographs.)

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 on conducted measurement.

Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

3.5. Test Result

Site : SR3	Time : 2008/11/14 - 20:04
Limit : CISPR_B_00M_QP	Margin : 0
Probe : SR3_LISN(16A) - Line1	Power : AC 120V/60Hz
EUT : New SideKick	Note : RX

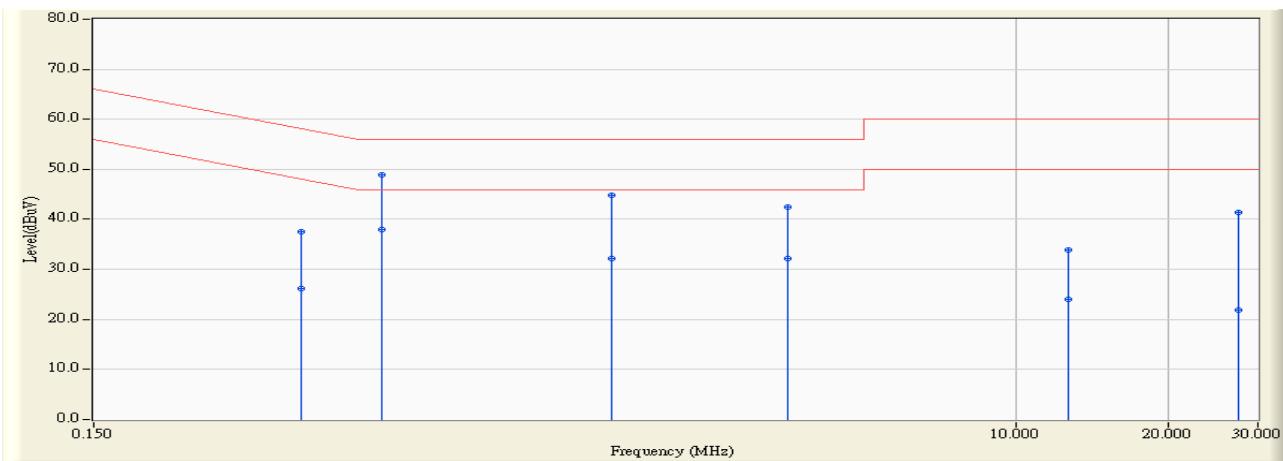


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.193	9.698	35.660	45.358	-18.550	63.908	QUASIPEAK
2	0.193	9.698	26.520	36.218	-17.690	53.908	AVERAGE
3	* 0.537	9.889	45.781	55.670	-0.330	56.000	QUASIPEAK
4	0.537	9.889	35.822	45.711	-0.289	46.000	AVERAGE
5	1.580	9.889	37.820	47.709	-8.291	56.000	QUASIPEAK
6	1.580	9.889	25.920	35.809	-10.191	46.000	AVERAGE
7	5.392	9.944	30.240	40.183	-19.817	60.000	QUASIPEAK
8	5.392	9.944	18.940	28.883	-21.117	50.000	AVERAGE
9	10.388	10.148	28.360	38.508	-21.492	60.000	QUASIPEAK
10	10.388	10.148	18.160	28.308	-21.692	50.000	AVERAGE
11	25.525	10.350	36.780	47.130	-12.870	60.000	QUASIPEAK
12	25.525	10.350	17.220	27.570	-22.430	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 - 20:08
Limit : CISPR_B_00M_QP	Margin : 0
Probe : SR3_LISN(16A) - Line2	Power : AC 120V/60Hz
EUT : New SideKick	Note : RX



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.384	9.733	27.720	37.453	-20.731	58.184	QUASIPEAK
2	0.384	9.733	16.380	26.113	-22.071	48.184	AVERAGE
3 *	0.556	9.805	39.100	48.904	-7.096	56.000	QUASIPEAK
4	0.556	9.805	28.140	37.944	-8.056	46.000	AVERAGE
5	1.587	9.828	35.080	44.908	-11.092	56.000	QUASIPEAK
6	1.587	9.828	22.360	32.188	-13.812	46.000	AVERAGE
7	3.537	9.845	32.580	42.425	-13.575	56.000	QUASIPEAK
8	3.537	9.845	22.400	32.245	-13.755	46.000	AVERAGE
9	12.634	10.171	23.800	33.971	-26.029	60.000	QUASIPEAK
10	12.634	10.171	13.920	24.091	-25.909	50.000	AVERAGE
11	27.373	10.595	30.860	41.455	-18.545	60.000	QUASIPEAK
12	27.373	10.595	11.340	21.935	-28.065	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

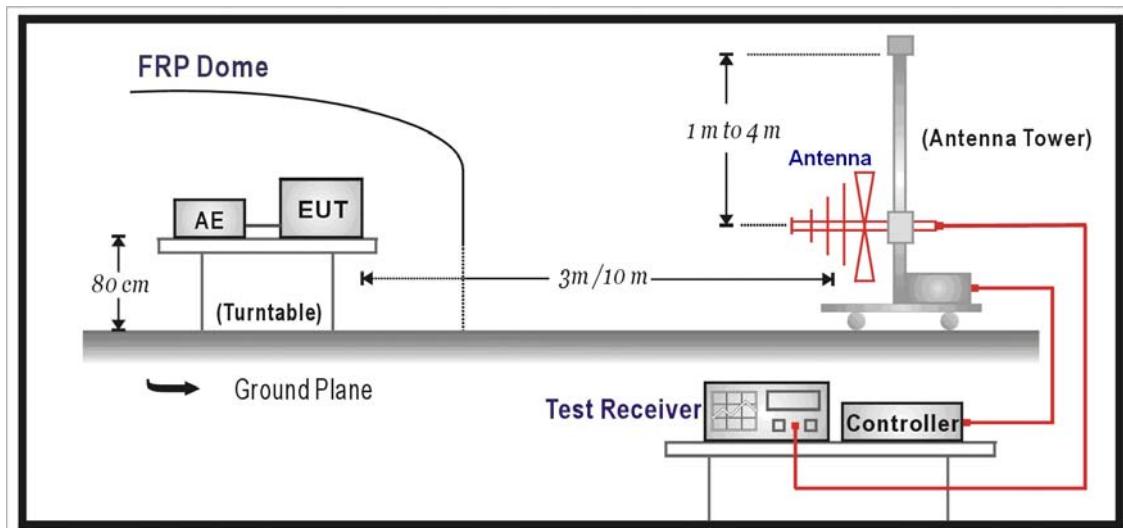
4. Radiated Emission

4.1. Test Specification

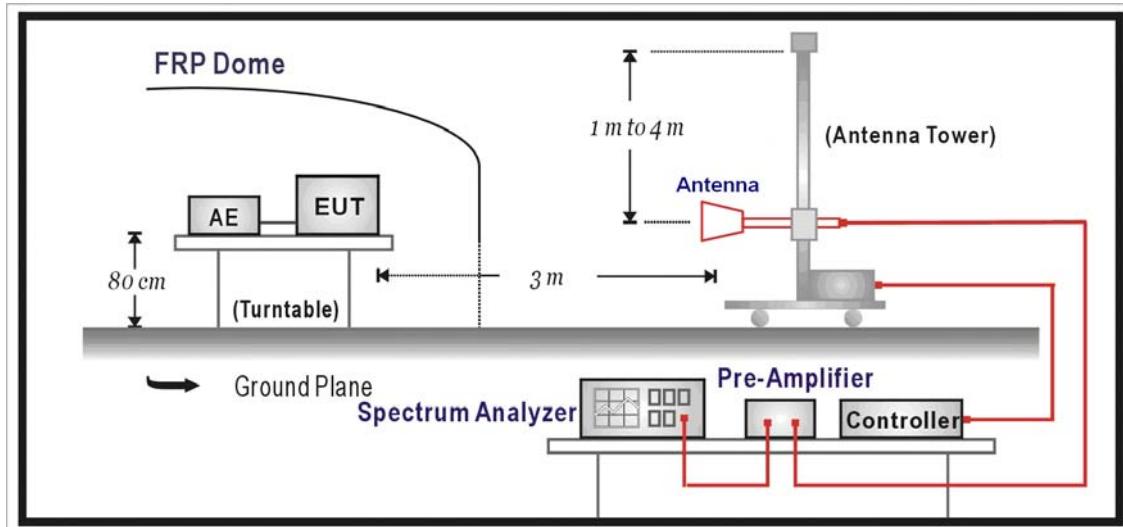
According to EMC Standard : FCC Part 15 Subpart B, ANSI C63.4

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limit

Under 1GHz test shall not exceed the following value:

Limits		
Frequency (MHz)	Distance (m)	dBuV/m
30 – 230	10	30
230 – 1000	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.

Above 1GHz test shall not exceed the following value:

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

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) = $20 \log \text{RF Voltage (uV/m)}$

4.4. Test Procedure

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 and the antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

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 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 following 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 radiated limits shown are based on measuring equipment employing a quasi-peak detector function and above 1000 MHz, the radiated limits shown are based on measuring equipment employing an average detector function.

When average radiated emission measurement are included emission measurement Above 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.

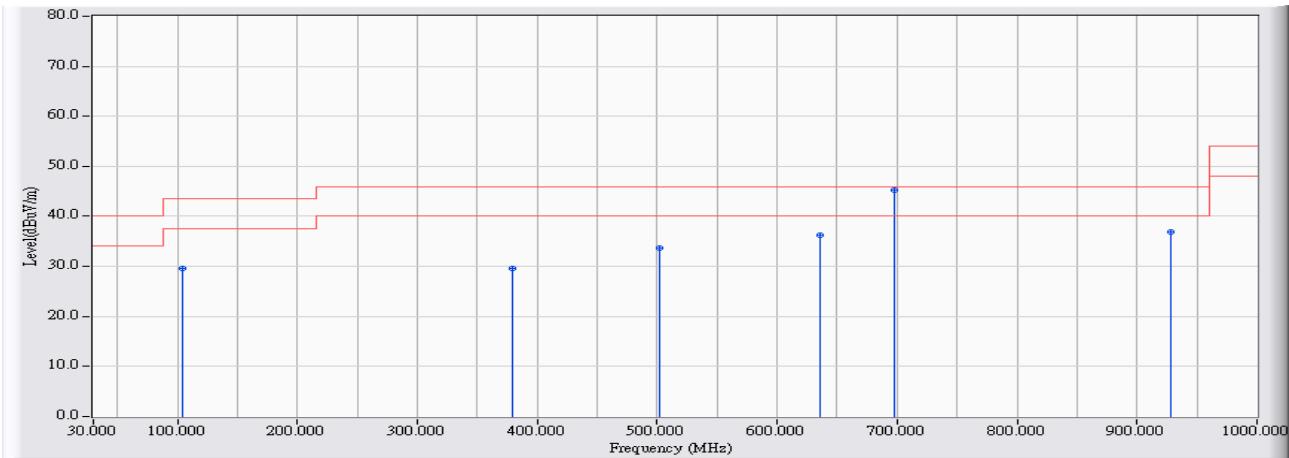
For class A, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and above 1GHz.

For class B, the measurement distance between the EUT and antenna is 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.

4.5. Test Result

Site : Site 1	Time : 2008/11/17 - 09:54
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB3_FCC_30-1G(2008-9) - HORIZONTAL	Power : AC 120V / 60Hz
EUT : New SideKick	Note : RX

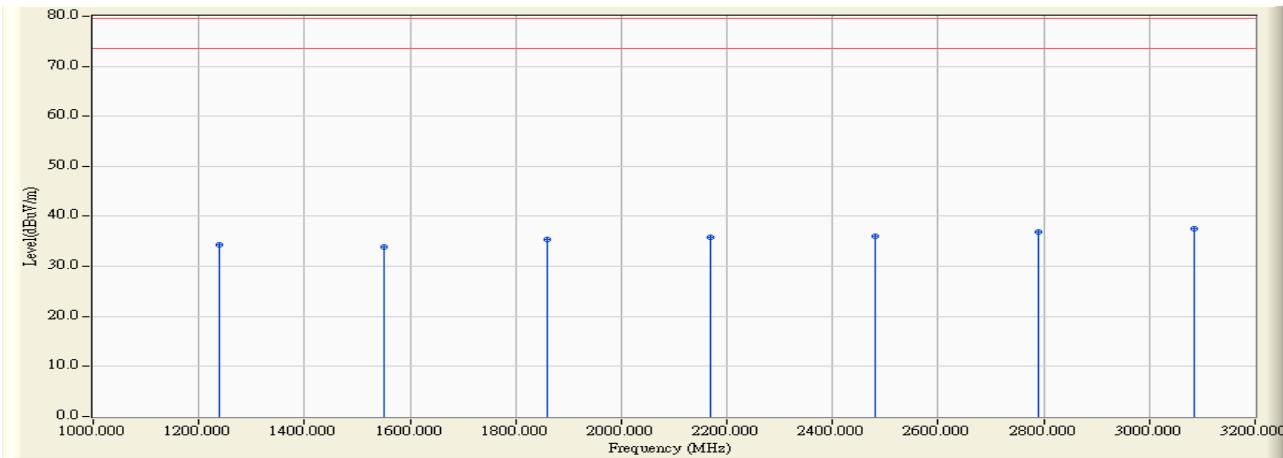


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	103.720	-14.592	44.174	29.582	-13.918	43.500	QUASIPEAK
2	379.200	-9.719	39.278	29.560	-16.440	46.000	QUASIPEAK
3	501.420	-6.652	40.363	33.711	-12.289	46.000	QUASIPEAK
4	635.280	-2.663	39.005	36.343	-9.657	46.000	QUASIPEAK
5	* 697.360	-3.974	49.324	45.350	-0.650	46.000	QUASIPEAK
6	928.220	1.426	35.534	36.960	-9.040	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 : 2008/11/12 - 16:35
Limit : FCC_A_(Above_1G)_3M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2008-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : New SideKick	Note : RX

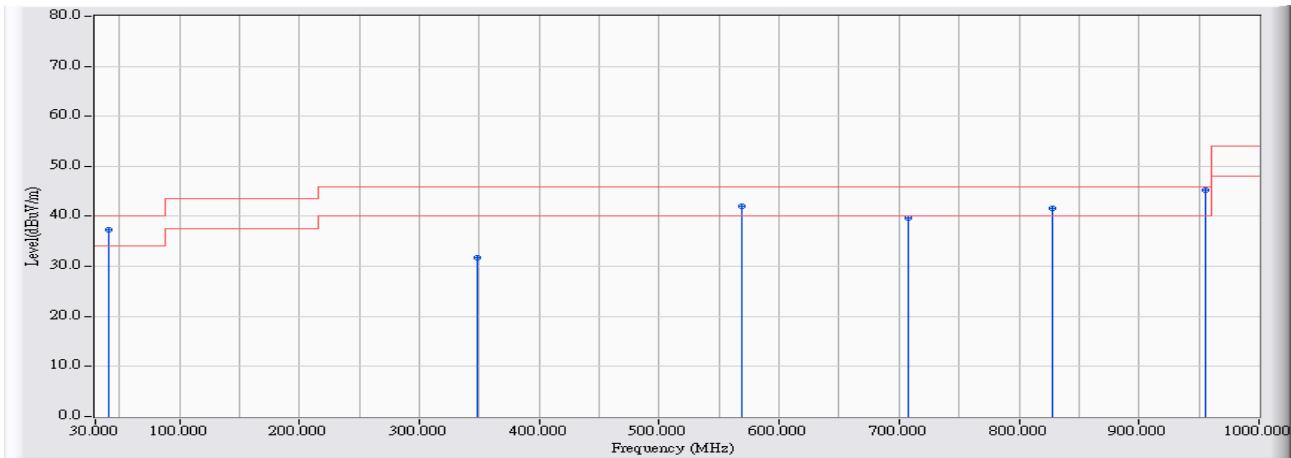


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	1240.040	-7.876	42.200	34.325	-45.175	79.500	PEAK	
2	1550.040	-6.721	40.600	33.879	-45.621	79.500	PEAK	
3	1859.920	-5.626	40.910	35.284	-44.216	79.500	PEAK	
4	2170.020	-4.553	40.350	35.798	-43.702	79.500	PEAK	
5	2480.010	-3.505	39.600	36.095	-43.405	79.500	PEAK	
6	2790.010	-2.823	39.690	36.867	-42.633	79.500	PEAK	
7	*	3086.000	-2.205	39.770	37.565	-41.935	79.500	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 : 2008/11/17 - 09:54
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB3_FCC_30-1G(2008-9) - VERTICAL	Power : AC 120V / 60Hz
EUT : New SideKick	Note : RX

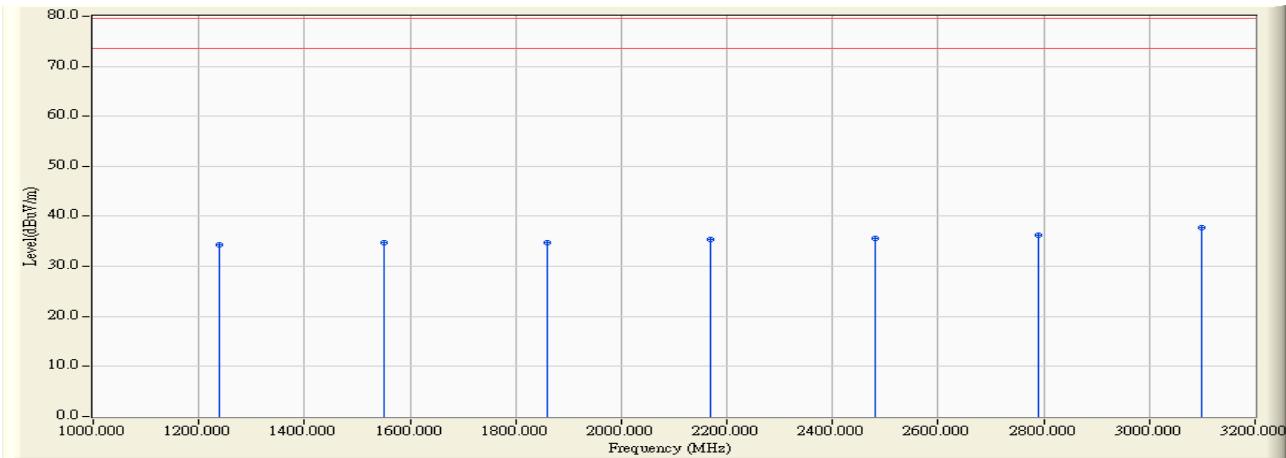


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	41.640	-9.598	46.883	37.285	-2.715	40.000	QUASIPEAK	
2	348.160	-12.383	44.107	31.725	-14.275	46.000	QUASIPEAK	
3	569.320	-7.713	49.798	42.085	-3.915	46.000	QUASIPEAK	
4	707.060	-6.430	46.012	39.582	-6.418	46.000	QUASIPEAK	
5	827.340	-3.303	44.964	41.661	-4.339	46.000	QUASIPEAK	
6	*	955.380	-2.500	47.769	45.270	-0.730	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 : 2008/11/12 - 16:56
Limit : FCC_A_(Above_1G)_3M_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	1240.000	-7.876	42.160	34.285	-45.215	79.500	PEAK
2	1550.000	-6.721	41.460	34.739	-44.761	79.500	PEAK
3	1860.000	-5.625	40.300	34.674	-44.826	79.500	PEAK
4	2170.000	-4.553	40.030	35.478	-44.022	79.500	PEAK
5	2480.000	-3.505	39.200	35.695	-43.805	79.500	PEAK
6	2790.000	-2.823	39.050	36.227	-43.273	79.500	PEAK
7	* 3100.000	-2.180	39.910	37.729	-41.771	79.500	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. Radiated Emission for Superregenerative Receiver

5.1. Test Equipment

The following test equipments are used during the test:

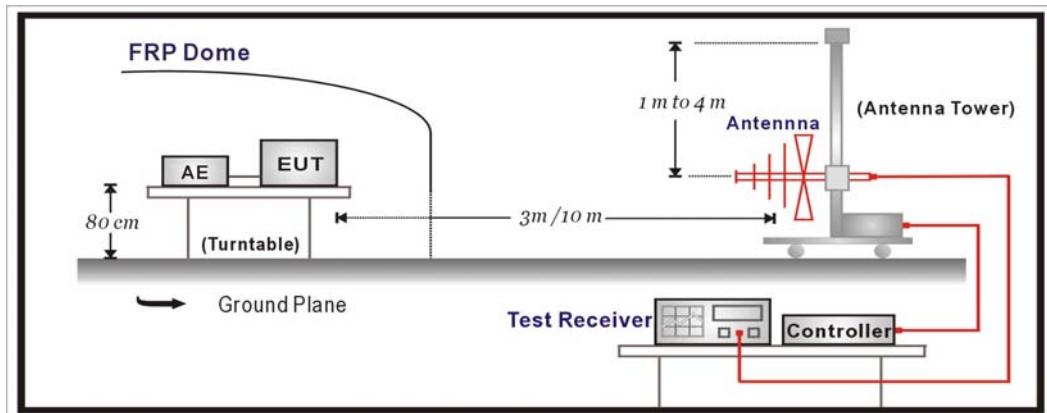
Radiated Emission / Site1

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

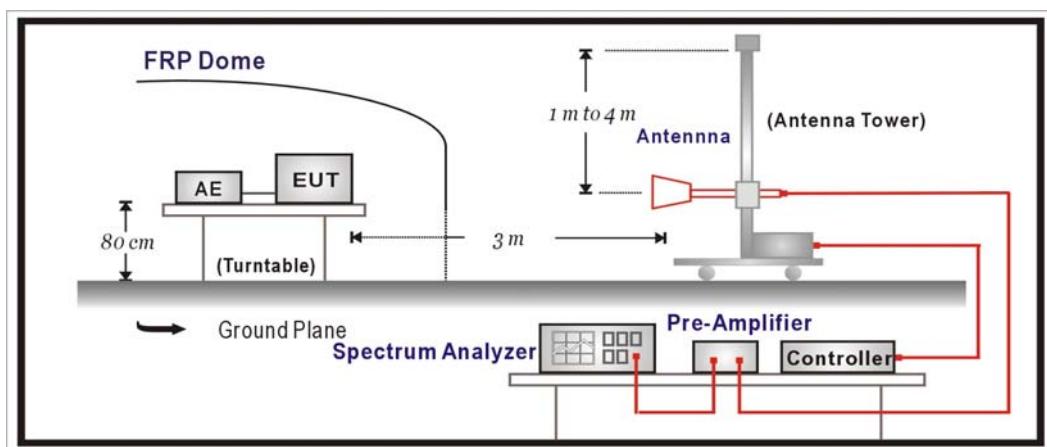
Note: 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
 2. Last Cal showing "N/A" means it is used to Pre-test, not for final test.

5.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



5.3. 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)

5.4. 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.

5.5. Uncertainty

The measurement uncertainty

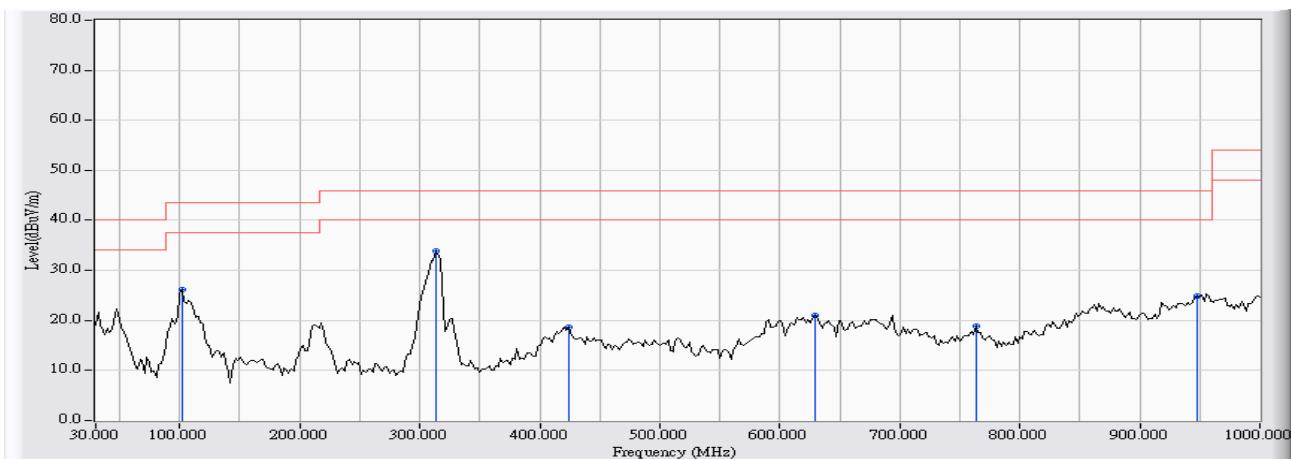
30MHz~1GHz as ± 3.19 dB

1GHz~26.5Ghz as ± 3.9 dB

5.6. Test Result

30-1GHz

Site : Site 1	Time : 2008/12/29 - 17:37
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

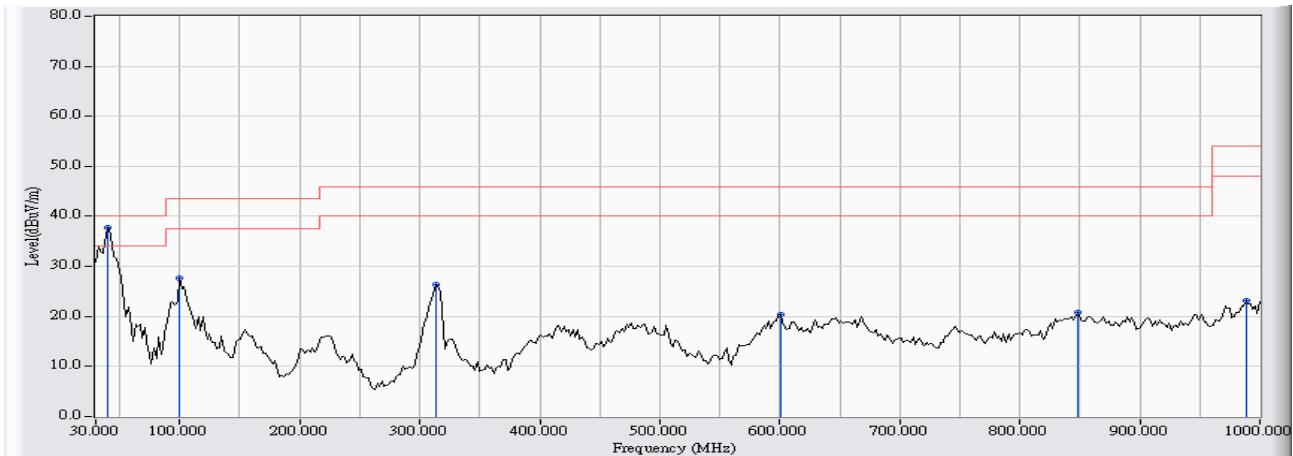


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	101.780	-14.100	40.265	26.165	-17.335	43.500	QUASIPEAK
2	*	-8.558	42.462	33.903	-12.097	46.000	QUASIPEAK
3	423.820	-3.815	22.503	18.688	-27.312	46.000	QUASIPEAK
4	629.460	-1.569	22.619	21.050	-24.950	46.000	QUASIPEAK
5	763.320	-4.282	23.105	18.824	-27.176	46.000	QUASIPEAK
6	947.620	2.704	22.269	24.973	-21.027	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 - 17:37
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



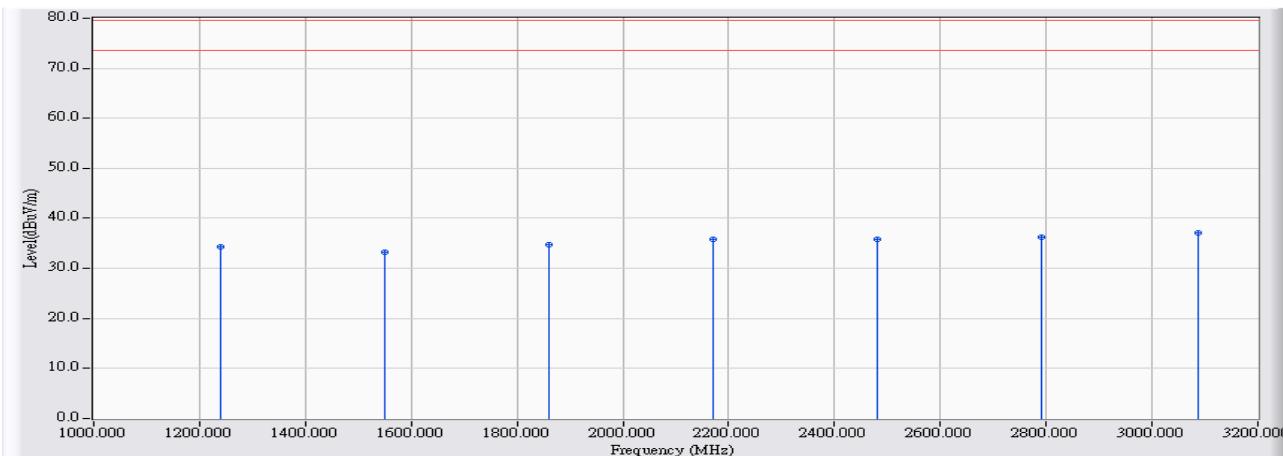
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	*	39.700	-8.212	46.043	37.832	-2.168	40.000	QUASIPEAK
2		99.840	-10.818	38.419	27.601	-15.899	43.500	QUASIPEAK
3		313.240	-13.057	39.540	26.483	-19.517	46.000	QUASIPEAK
4		600.360	-2.164	22.572	20.408	-25.592	46.000	QUASIPEAK
5		848.680	-1.638	22.531	20.893	-25.107	46.000	QUASIPEAK
6		988.360	0.935	22.328	23.263	-30.737	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-4GHz

Site : Site 1	Time : 2008/12/29 - 18:43
Limit : FCC_RX_ANSI_C63.4-12.1.1.1_3M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2008-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : New SideKick	Note : RX

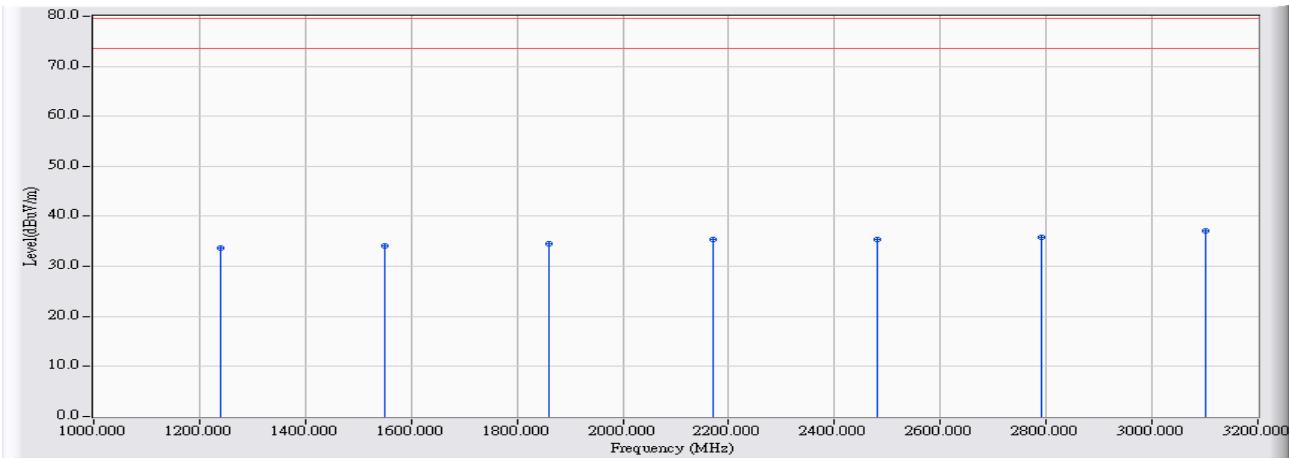


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	1240.027	-7.876	42.086	34.210	-45.290	79.500	PEAK	
2	1550.021	-6.721	39.858	33.137	-46.363	79.500	PEAK	
3	1859.899	-5.626	40.373	34.747	-44.753	79.500	PEAK	
4	2169.998	-4.553	40.277	35.724	-43.776	79.500	PEAK	
5	2480.012	-3.505	39.364	35.859	-43.641	79.500	PEAK	
6	2789.994	-2.823	39.039	36.216	-43.284	79.500	PEAK	
7	*	3086.010	-2.205	39.255	37.050	-42.450	79.500	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 - 18:43
Limit : FCC_RX_ANSI_C63.4-12.1.1.1_3M_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	1239.987	-7.876	41.493	33.617	-45.883	79.500	PEAK	
2	1549.987	-6.721	40.864	34.143	-45.357	79.500	PEAK	
3	1860.003	-5.625	40.192	34.567	-44.933	79.500	PEAK	
4	2170.004	-4.553	39.878	35.325	-44.175	79.500	PEAK	
5	2479.984	-3.505	38.827	35.322	-44.178	79.500	PEAK	
6	2789.987	-2.823	38.636	35.813	-43.687	79.500	PEAK	
7	*	3100.009	-2.180	39.387	37.207	-42.293	79.500	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.

6. Antenna Power Conduction for Receiver

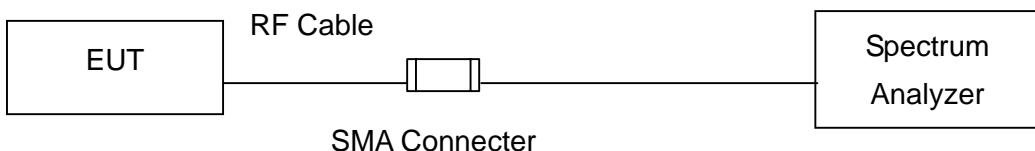
6.1. Test Equipment

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.

6.2. Test Setup



6.3. Test procedures

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

6.4. Limits

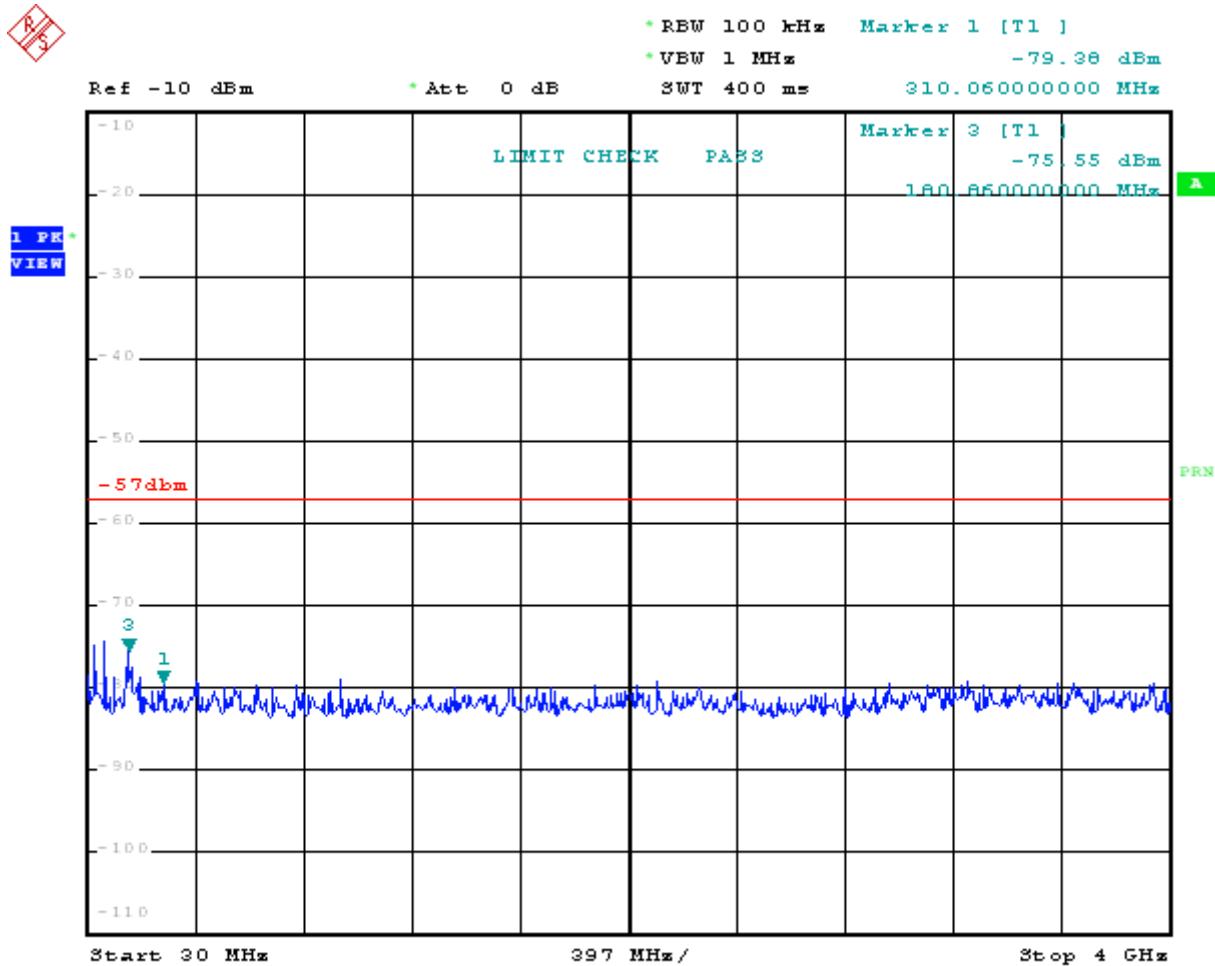
Shall not exceed 2.0 nanowatts.

6.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

6.6. 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



Date: 30.DEC.2008 16:31:15