

FCC PART 15.249
EMI MEASUREMENT AND TEST REPORT

For

Coby Communications Ltd.

Unit C-E, 8/F., Po Shau Ctr., 115 How Ming St, Kwun Tong, Hong Kong

FCC ID: S7ICV-890

April 25, 2005

This Report Concerns: ☒ Original Report	Equipment Type: Transmitter, Wireless Headset
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Report No.: RSZ05041303	
Test Date: April 19-21, 2005	
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GENERAL INFORMATION

Product Description for Equipment Under Test (EUT)

The Coby Communications Ltd. 's product, model number: ANJ09122 or the "EUT" as referred to in this report is a Transmitter of Wireless Headset. The EUT is measured approximately 15.5cm L x 12.0cm W x 7.5cm H. rated input voltage: DC 9V battery.

Adapter manufacturer: Coby, model: V090030D1201, Input: AC 120V 60Hz 0.5W, Output: 9V DC 300mA.

** The test data gathered are from production sample, serial number: 0000CV890101, provided by the manufacturer.*

Objective

This Type approval report is prepared on behalf of *Coby Communications Ltd.* in accordance with Part 2, Subpart J, and Part 15, Subparts A , B and C of the Federal Communication Commissions rules.

The objective is to determine compliance with FCC rules, sec 15.207, 15.209 and sec 15.249.

Related Submittal(s)/Grant(s)

No Related Submittals.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2003, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

All radiated and conducted emissions measurement was performed at Bay Area Compliance Lab Corp. (ShenZhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Test Facility

The Test site used by Bay Area Compliance Lab Corp. (ShenZhen) to collect radiated and conducted emission measurement data is located in the 6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone, ShenZhen, Guangdong 518038, P.R.China.

Test site at Bay Area Compliance Lab Corp. (ShenZhen) has been fully described in reports submitted to the Federal Communication Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on November 04, 2004. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2003.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 382179. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

Local Support Equipment List and Details

Manufacturer	Description	Model	Serial Number	FCC ID
NANYAN	Audio Generator	NY2201	019829	DoC
NANYAN	Audio Generator	NY2201	019596	DoC

External I/O Cable

Cable Description	Length (M)	From/Port	To
Unshielded Undetachable adapter DC Cable	1.50	EUT	Adapter
Unshielded Detachable Audio Connect Cable	0.8	EUT	Audio Generator
Unshielded Detachable AC Cable	1.2	Audio Generator	AC Power

SYSTEM TEST CONFIGURATION

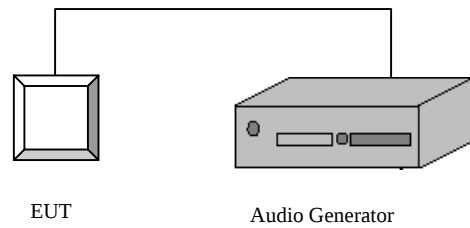
Justification

The system was configured for testing in a typical fashion (as normally used by a typical user).

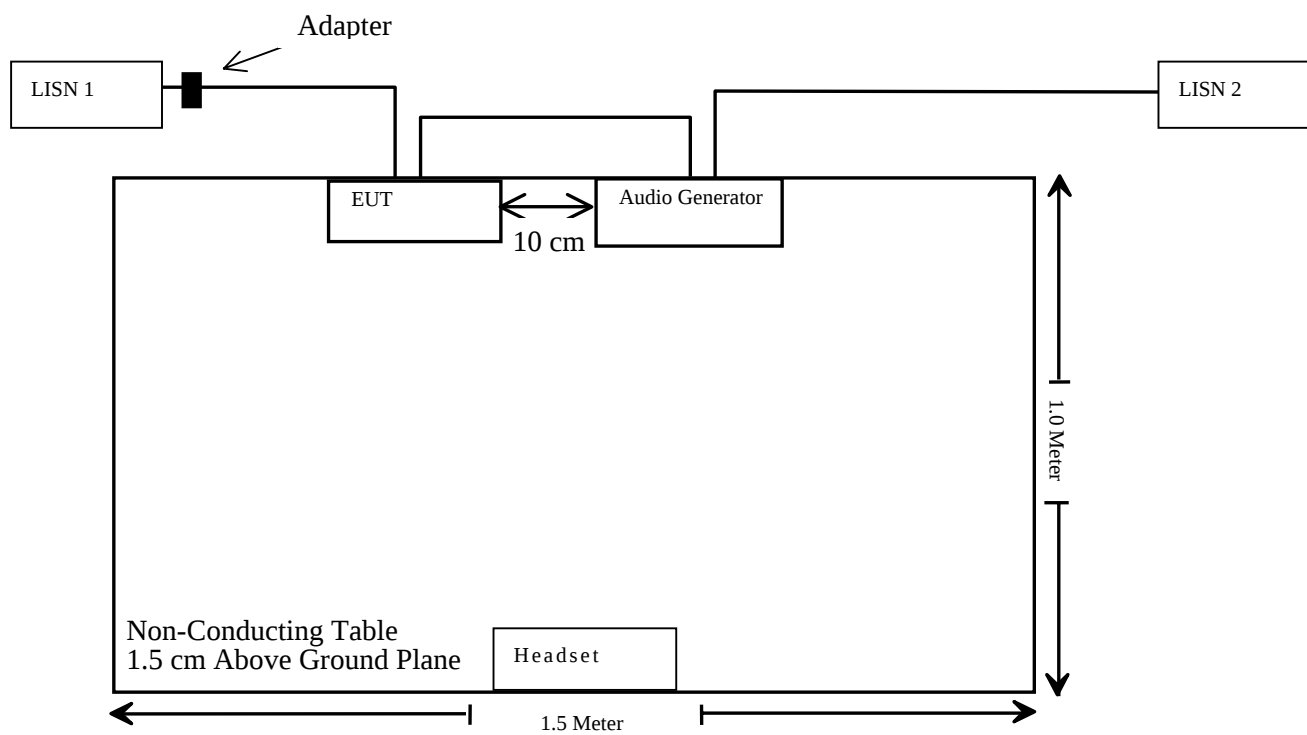
Equipment Modifications

BACL has not done any modification on the EUT.

Configuration of Test Setup



Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT
§15.203	Antenna Requirement	Compliant
§15.205	Restricted Bands of Operation	Compliant
§15.207(a)	Conduction Emission	Compliant
§15.209(a), §15.249(a)	Radiated Emission	Compliant
§15.249(d)	Out of band emission	Compliant

Note: The highest clocks of the EUT was 11.15 MHz.

§15.203 - ANTENNA APPLICATION

Standard Applicable

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

This product has a permanent antenna, fulfill the requirement of this section.

Test Result: Pass

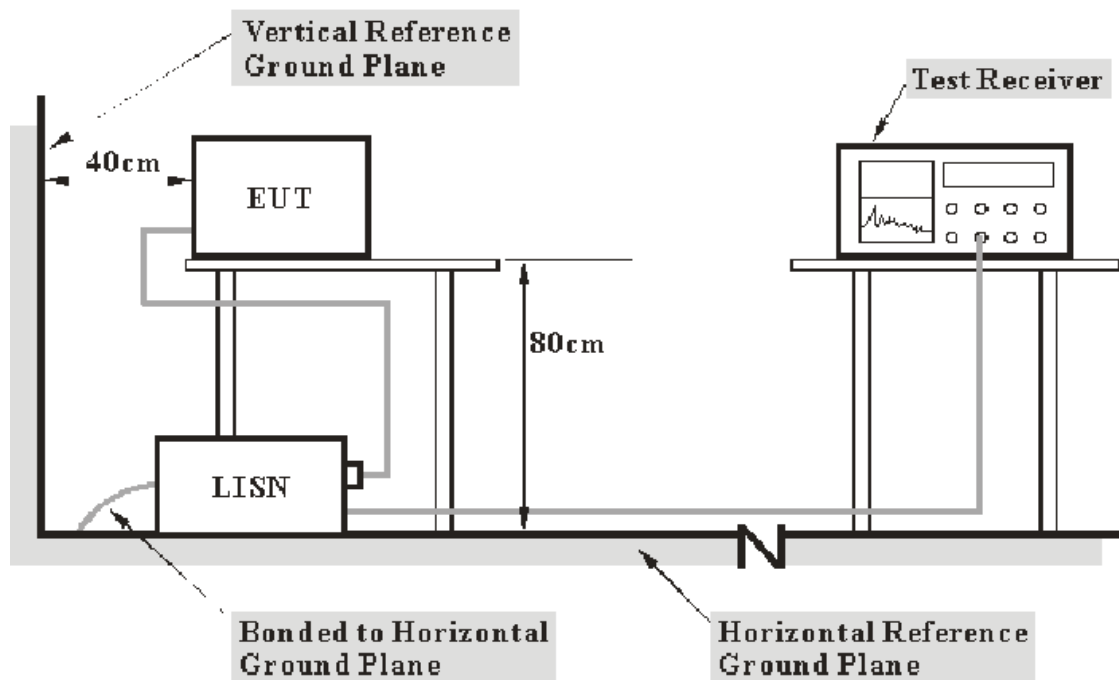
§15.207 - CONDUCTED EMISSION

Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, and LISN.

Based on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement at BACL is ± 2.4 dB.

EUT Setup



- Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.4-2003 measurement procedure. The specification used was with the FCC Part 15 .207 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

The adapter was connected to a 120 VAC/60 Hz power source.

Test Receiver Setup

The Test Receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the test receiver was set with the following configurations:

<u>Frequency Range</u>	<u>IFBW</u>
150 kHz – 30 MHz	9 kHz

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Com-Power	L.I.S.N.	LI-200	12005	N/A	N/A
Com-Power	L.I.S.N.	LI-200	12008	N/A	N/A
Rohde & Schwarz	Test Receiver	ESCS30	830245/006	2005-1-26	2006-1-26
Rohde & Schwarz	L.I.S.N.	ESH2-Z5	892107/021	2005-2-28	2006-2-27
Rohde & Schwarz	Pulse Limiter	ESH3Z2	DE25985	2004-9-1	2005-8-31

* Com-Power's LISN were used as the supporting equipment.

* **Statement of Traceability:** **BACL** attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Procedure

During the conducted emission test, the adapter power cord was connected to the outlet of the first LISN, the host PC and all other support equipment power cords were connected to the outlet of the second LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.207, with the worst margin reading of:

Low channel: **-24.20 dB** at **1.165 MHz** in the **Line** conductor mode.
High channel: **-24.77 dB** at **0.385 MHz** in the **Neutral** conductor mode.

Environmental Conditions

Temperature:	28 ° C
Relative Humidity:	37%
ATM Pressure:	1032mbar

The testing was performed by William Chan on 2005-4-19

Test Data

Test mode: Running

LINE CONDUCTED EMISSIONS				FCC PART 15 .207	
Frequency MHz	Amplitude dBμV	Detector QP/AV	Phase Line/Neutral	Limit dBμV	Margin dB
Low Channel					
1.165	21.80	AV	Line	46.00	-24.20
0.385	23.70	AV	Neutral	48.17	-24.47
0.385	33.00	QP	Neutral	58.17	-25.17
0.725	19.80	AV	Neutral	46.00	-26.20
0.725	29.50	QP	Neutral	56.00	-26.50
0.385	31.50	QP	Line	58.17	-26.67
1.165	28.50	QP	Line	56.00	-27.50
0.385	20.30	AV	Line	48.17	-27.87
1.125	25.90	QP	Neutral	56.00	-30.10
7.320	28.30	QP	Line	60.00	-31.70
0.915	13.90	AV	Line	46.00	-32.10
0.915	23.60	QP	Line	56.00	-32.40
13.930	27.60	QP	Line	60.00	-32.40
13.930	17.40	AV	Line	50.00	-32.60
14.960	27.00	QP	Neutral	60.00	-33.00
1.125	12.40	AV	Neutral	46.00	-33.60
7.320	15.60	AV	Line	50.00	-34.40
7.235	24.70	QP	Neutral	60.00	-35.30
7.235	14.50	AV	Neutral	50.00	-35.50
14.960	13.40	AV	Neutral	50.00	-36.60

Continues

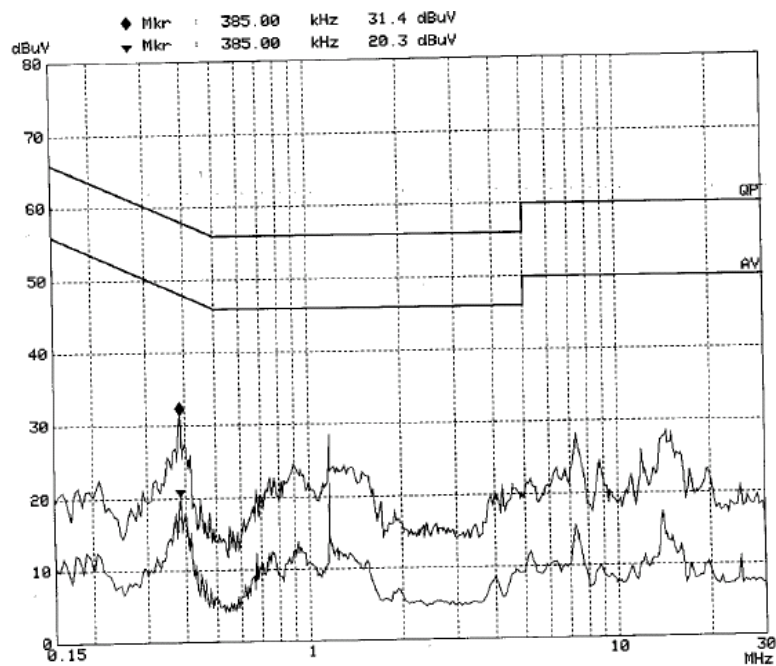
High Channel					
0.385	23.40	AV	Neutral	48.17	-24.77
0.385	33.10	QP	Neutral	58.17	-25.07
0.705	29.60	QP	Neutral	56.00	-26.40
0.705	19.20	AV	Neutral	46.00	-26.80
0.385	19.60	AV	Line	48.17	-28.57
0.385	28.70	QP	Line	58.17	-29.47
13.855	30.50	QP	Line	60.00	-29.50
1.200	25.90	QP	Neutral	56.00	-30.10
0.875	25.70	QP	Line	56.00	-30.30
1.230	25.20	QP	Line	56.00	-30.80
13.865	28.80	QP	Neutral	60.00	-31.20
1.200	14.50	AV	Neutral	46.00	-31.50
0.705	24.40	QP	Line	56.00	-31.60
1.230	13.60	AV	Line	46.00	-32.40
0.705	13.40	AV	Line	46.00	-32.60
0.875	12.10	AV	Line	46.00	-33.90
13.855	14.80	AV	Line	50.00	-35.20
13.865	13.60	AV	Neutral	50.00	-36.40
0.170	25.20	QP	Neutral	64.96	-39.76
0.170	12.10	AV	Neutral	54.96	-42.86

Plot(s) of Test Data

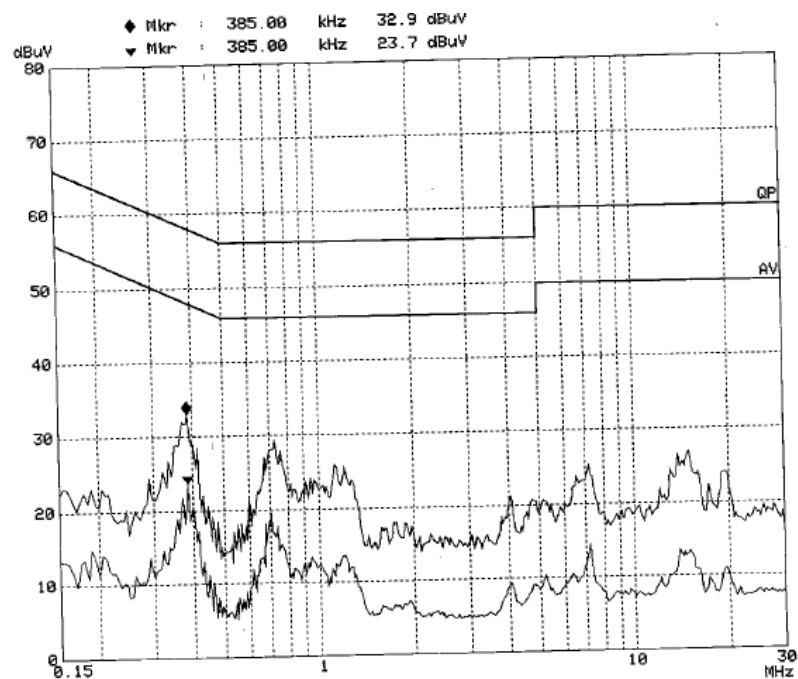
Plot(s) of Test Data is presented hereinafter as reference.

Low channel:

Line:

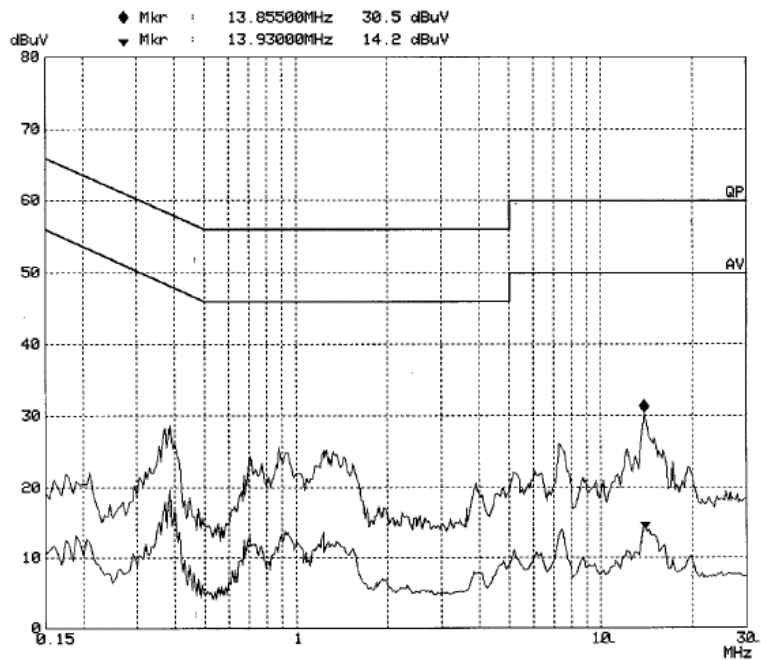


Neutral:

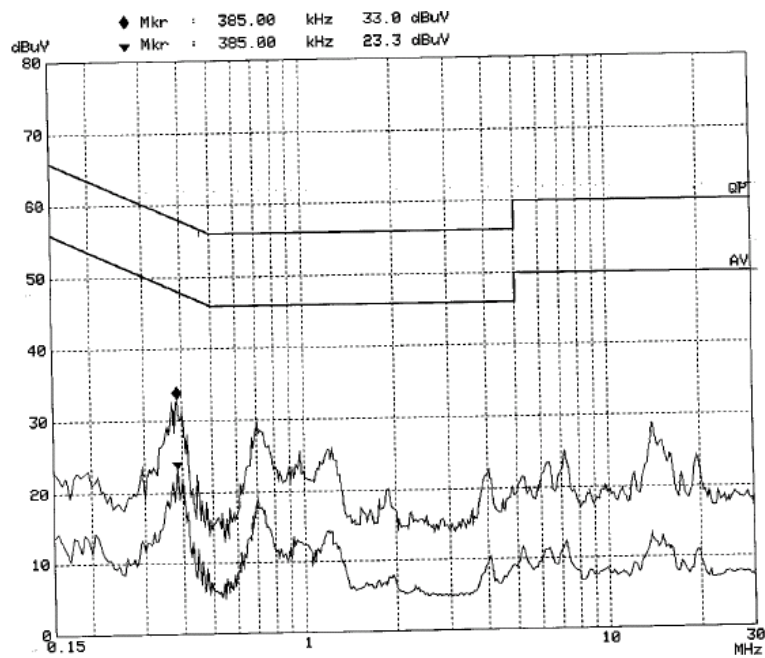


High channel:

Line:



Neutral



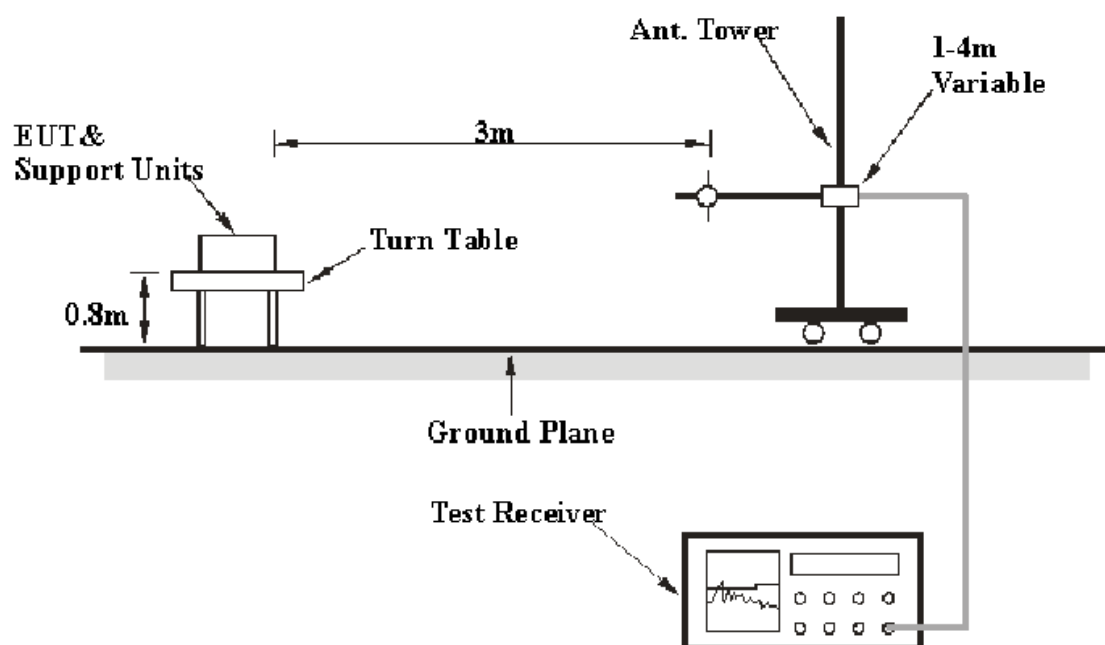
§15.205 §15.209(a) §15.249(a) - RADIATED EMISSION

Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

Based on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of a radiation emissions measurement at BACL is ± 4.0 dB.

EUT Setup



The radiated emission tests were performed in the 3-meter Chamber, using the setup accordance with the ANSI C63.4-2003. The specification used was the FCC 15.209 and FCC 15.249 limits.

Test Receiver Setup

The system was investigated from 30 MHz to 25 GHz.

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

<i>Frequency Range</i>	<i>RBW</i>	<i>Video B/W</i>
30 – 1000 MHz	100 kHz	100 kHz
1 GHz – 25 GHz	1MHz	1 MHz

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
HP	Amplifier	8447E	1937A01046	2004-9-1	2005-8-31
Rohde & Schwarz	Test Receiver	ESCI	100035	2004-9-15	2005-9-14
Sunol Sciences	Bilog Antenna	JB1	A040904-2	2005-4-19	2006-4-18
Sunol Sciences	System Controller	SC99V	041304-1	N/A	N/A
HP	Amplifier	8447D	2994A09795	2004-9-1	2005-8-31
Rohde & Schwarz	Test Receiver	ESCI	100028	2004-9-6	2005-9-5
Sunol Sciences	Bilog Antenna	JB1	A040904-1	2005-4-19	2006-4-18

* **Statement of Traceability:** **BACL** attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Procedure

For the radiated emissions test, the adapter and all support equipment power cords were connected to the AC floor outlet.

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All data was recorded in the Quasi-peak detection mode.

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

$$\text{Corr. Ampl.} = \text{Indicated Reading} + \text{Antenna Factor} + \text{Cable Factor} - \text{Amplifier Gain}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB means the emission is 7dB below the maximum limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Corr. Ampl.} - \text{Standard Limit}$$

Test Results Summary

According to the data in the following table, the EUT complied with the FCC Part 15.249, with the worst margin reading of:

Radiation below 1GHz:

Low channel: **-7.39 dB** at **49.410 MHz** in the **Vertical** polarization.
High channel: **-5.74dB** at **52.680 MHz** in the **Vertical** polarization.

Radiation above 1GHz:

Low channel: **-7.54 dB** at **9768.800 MHz** in the **Horizontal** polarization.
High channel: **-6.64 dB** at **9786.810 MHz** in the **Vertical** polarization.

Test Data**Environmental Conditions**

Temperature:	28 ° C
Relative Humidity:	37%
ATM Pressure:	1032mbar

The testing was performed by William Chan on 2005-4-19

Test mode: Running

INDICATED		TABLE	ANTENNA		CORRECTION FACTOR			CORRECTED AMPLITUDE	FCC PART 15.209	
Frequency MHz	Ampl. dBμV/m	Angle Degree	Height Meter	Polar H/ V	Antenna dB/m	Cable dB	Amp. dB	Corr. Ampl. dBμV/m	Limit dBμV/m	Margin dB
Low channel (below 1GHz)										
49.410	49.55	180	1.2	V	11.3	0.56	28.8	32.61	40.0	-7.39
57.160	50.14	90	1	V	10.3	0.73	28.7	32.47	40.0	-7.53
119.240	52.16	60	1	V	11.9	1.10	28.5	36.66	43.5	-6.84
179.380	51.98	45	1.2	V	13.4	1.20	28.2	38.38	43.5	-5.12
224.150	54.33	45	1.2	V	10.1	1.30	27.8	37.93	46.0	-8.07
239.520	53.29	45	1.2	V	11.3	1.30	27.7	38.19	46.0	-7.81
49.450	50.22	45	1.2	H	11.3	0.56	28.8	33.28	40.0	-6.72
62.360	51.48	45	1.2	H	9.7	0.75	28.7	33.23	40.0	-6.77
112.650	50.97	45	1.2	H	11.7	1.00	28.5	35.17	43.5	-8.33
179.380	50.46	45	1.2	H	13.4	1.20	28.2	36.86	43.5	-6.64
221.560	53.11	45	1.2	H	10.1	1.30	27.8	36.71	46.0	-9.29
239.480	52.17	45	1.2	H	11.3	1.30	27.7	37.07	46.0	-8.93
High channel (below 1GHz)										
52.680	51.77	90	1.2	V	10.5	0.69	28.7	34.26	40.0	-5.74
72.980	51.64	180	1.0	V	9.6	0.82	28.7	33.36	40.0	-6.64
112.950	51.21	180	1.0	V	11.7	1	28.5	35.41	43.5	-8.09
156.480	50.87	360	1.2	V	13.0	1.1	28.4	36.57	43.5	-6.93
216.850	51.67	120	1.0	V	10.1	1.3	27.8	35.27	46.0	-10.73
239.750	51.84	120	1.2	V	11.3	1.3	27.7	36.74	46.0	-9.26
68.740	50.94	90	1.2	H	9.7	0.8	28.7	32.74	40.0	-7.26
71.950	50.66	180	1.2	H	9.6	0.82	28.7	32.38	40.0	-7.62
112.310	49.85	180	1.2	H	11.7	1	28.5	34.05	43.5	-9.45
158.750	50.17	360	1.2	H	13.0	1.1	28.4	35.87	43.5	-7.63
215.350	51.31	120	1.2	H	10.1	1.3	27.8	34.91	43.5	-8.59
238.540	50.62	120	1.2	H	11.3	1.3	27.7	35.52	46.0	-10.48

Continues

INDICATED			TABLE	ANTENNA		CORRECTION FACTOR			CORRECTED AMPLITUDE	FCC PART 15.249	
Frequency MHz	Ampl. dBμV/m	Comments	Angle Degree	Height Meter	Polar H/ V	Antenna dB/m	Cable dB	Amp. dB	Corr. Ampl. dBμV/m	Limit dBμV/m	Margin dB
Low Channel (above 1GHz)											
9768.800	32.76	AV	180	1.2	H	38.5	7.0	31.8	46.46	54	-7.54
9768.750	32.48	AV	180	1.2	V	38.5	7.0	31.8	46.18	54	-7.82
9700.120	32.26	AV	180	1.2	V	38.5	7.0	31.8	45.96	54	-8.04
9700.010	32.18	AV	180	1.2	H	38.5	7.0	31.8	45.88	54	-8.12
7326.600	32.13	AV	90	1.0	H	36.6	6.0	31.6	43.13	54	-10.87
7326.580	31.56	AV	90	1.0	V	36.6	6.0	31.6	42.56	54	-11.44
7275.010	31.32	AV	90	1.0	V	36.6	6.0	31.6	42.32	54	-11.68
7275.030	31.26	AV	90	1.0	H	36.6	6.0	31.6	42.26	54	-11.74
4850.040	32.03	AV	180	1.2	H	33.5	4.9	30.4	40.03	54	-13.97
4884.410	31.92	AV	45	1.0	V	33.5	4.9	30.4	39.92	54	-14.08
4850.020	31.85	AV	45	1.2	V	33.5	4.9	30.4	39.85	54	-14.15
4884.400	31.80	AV	180	1.0	H	33.5	4.9	30.4	39.80	54	-14.2
9768.750	44.78	PK	180	1.0	V	38.5	7.0	31.8	58.48	74	-15.52
7326.600	43.77	PK	90	1.2	H	36.6	6.0	31.6	57.67	74	-16.33
9768.800	43.86	PK	180	1.0	H	38.5	7.0	31.8	57.56	74	-16.44
9700.120	43.32	PK	180	1.0	V	38.5	7.0	31.8	57.02	74	-16.98
9700.010	43.31	PK	180	1.0	H	38.5	7.0	31.8	57.01	74	-16.99
7326.580	43.91	PK	90	1.2	V	36.6	6.0	31.6	54.91	74	-19.09
7275.010	43.83	PK	90	1.2	V	36.6	6.0	31.6	54.83	74	-19.17
7275.030	43.52	PK	90	1.2	H	36.6	6.0	31.6	54.25	74	-19.75
4884.410	43.96	PK	45	1.2	V	33.5	4.9	30.4	51.96	74	-22.04
4850.020	43.75	PK	45	1.2	V	33.5	4.9	30.4	51.75	74	-22.25
4884.400	43.73	PK	180	1.2	H	33.5	4.9	30.4	51.73	74	-22.27
4850.040	43.13	PK	180	1.2	H	33.5	4.9	30.4	51.13	74	-22.87
2442.190	63.39	FUND/AV	180	1.0	H	29.1	3.4	28.7	67.19	94	- 26.81
2442.210	63.14	FUND/AV	180	1.0	V	29.1	3.4	28.7	66.94	94	-27.06
2425.010	62.76	FUND/AV	180	1.0	V	29.1	3.4	28.7	66.56	94	-27.44
2425.030	62.50	FUND/AV	180	1.0	H	29.1	3.4	28.7	66.30	94	- 27.7
2442.210	63.85	FUND/PK	180	1.0	V	29.1	3.4	28.7	67.65	114	-46.35
2442.190	63.78	FUND/PK	180	1.0	H	29.1	3.4	28.7	67.58	114	- 46.42
2425.030	63.29	FUND/PK	180	1.0	H	29.1	3.4	28.7	67.09	114	- 46.91
2425.010	63.18	FUND/PK	180	1.0	V	29.1	3.4	28.7	66.98	114	- 47.02

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INDICATED			TABLE	ANTENNA		CORRECTION FACTOR			CORRECTED AMPLITUDE	FCC PART 15.249	
Frequency MHz	Ampl. dBμV/m	Comments	Angle Degree	Height Meter	Polar H/ V	Antenna dB/m	Cable dB	Amp. dB	Corr. Ampl. dBμV/m	Limit dBμV/m	Margin dB
High Channel (above 1GHz)											
9786.810	33.66	AV	270	1.2	V	38.5	7.0	31.8	47.36	54	-6.64
9786.210	32.48	AV	180	1.2	H	38.5	7.0	31.8	46.18	54	-7.82
9718.050	32.48	AV	270	1.2	V	38.5	7.0	31.8	46.18	54	-7.82
9718.120	32.36	AV	180	1.2	H	38.5	7.0	31.8	46.06	54	-7.94
7340.180	32.06	AV	90	1.0	V	36.6	6.0	31.6	43.06	54	-10.94
7288.560	31.82	AV	90	1.0	V	36.6	6.0	31.6	42.82	54	-11.18
7340.260	31.56	AV	360	1.0	H	36.6	6.0	31.6	42.56	54	-11.44
7288.510	31.06	AV	360	1.0	H	36.6	6.0	31.6	42.06	54	-11.94
4893.150	32.88	AV	120	1.0	V	33.5	4.9	30.4	40.88	54	-13.12
4859.630	32.26	AV	120	1.2	V	33.5	4.9	30.4	40.26	54	-13.74
4892.760	31.78	AV	45	1.0	H	33.5	4.9	30.4	39.78	54	-14.22
4859.820	31.56	AV	45	1.2	H	33.5	4.9	30.4	39.56	54	-14.44
9718.050	45.35	PK	270	1.0	V	38.5	7.0	31.8	59.05	74	-14.95
9786.810	44.93	PK	270	1.0	V	38.5	7.0	31.8	58.63	74	-15.37
9786.210	44.86	PK	180	1.0	H	38.5	7.0	31.8	58.56	74	-15.44
9718.120	43.37	PK	180	1.0	H	38.5	7.0	31.8	57.07	74	-16.93
7340.180	44.61	PK	90	1.2	V	36.6	6.0	31.6	55.61	74	-18.39
7340.260	44.15	PK	360	1.2	H	36.6	6.0	31.6	55.15	74	-18.85
7288.560	43.93	PK	90	1.2	V	36.6	6.0	31.6	54.93	74	-19.07
7288.510	43.87	PK	360	1.2	H	36.6	6.0	31.6	54.87	74	-19.13
4893.150	44.32	PK	120	1.2	V	33.5	4.9	30.4	52.32	74	-21.68
4859.820	43.68	PK	45	1.2	H	33.5	4.9	30.4	51.68	74	-22.32
4892.760	43.54	PK	45	1.2	H	33.5	4.9	30.4	51.54	74	-22.46
4859.630	42.62	PK	120	1.2	V	33.5	4.9	30.4	50.62	74	-23.38
2446.680	64.78	FUND/AV	180	1.0	H	29.1	3.4	28.7	68.58	94	- 25.42
2446.720	61.62	FUND/AV	180	1.0	V	29.1	3.4	28.7	65.42	94	-28.58
2429.570	60.85	FUND/AV	180	1.0	H	29.1	3.4	28.7	64.65	94	- 29.35
2429.550	60.04	FUND/AV	180	1.0	V	29.1	3.4	28.7	63.84	94	-30.16
2446.680	65.55	FUND/PK	180	1.0	H	29.1	3.4	28.7	69.35	114	- 44.65
2446.720	63.09	FUND/PK	180	1.0	V	29.1	3.4	28.7	66.89	114	-47.11
2429.570	61.87	FUND/PK	180	1.0	H	29.1	3.4	28.7	65.67	114	- 48.33
2429.550	61.20	FUND/PK	180	1.0	V	29.1	3.4	28.7	65.00	114	- 49.00

§15.249(d) – OUT OF BAND EMISSION

Standard Applicable

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

Test Procedure

With the EUT's antenna attached, the EUT's radiated emission power was received by the test antenna which was connected to the spectrum analyzer with the START and STOP frequencies set to the EUT's operation band.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
HP	Amplifier	8447E	1937A01046	2004-9-1	2005-8-31
Rohde & Schwarz	Test Receiver	ESCI	100035	2004-9-15	2005-9-14
Sunol Sciences	Bilog Antenna	JB1	A040904-2	2005-4-19	2006-4-18
Sunol Sciences	System Controller	SC99V	041304-1	N/A	N/A
Thermax	Coaxial Cable	RGS-142	EC004	2004-9-1	2005-8-31
HP	Amplifier	8447D	2994A09795	2004-9-1	2005-8-31
Rohde & Schwarz	Test Receiver	ESCI	100028	2004-9-6	2005-9-5
Sunol Sciences	Bilog Antenna	JB1	A040904-1	2005-4-19	2006-4-18
Sunol Sciences	System Controller	SC99V	033004-1	N/A	N/A

*** Statement of Traceability: BACL Corp.** attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Data

Environmental Conditions

Temperature:	20 °C
Relative Humidity:	55%
ATM Pressure:	1016mbar

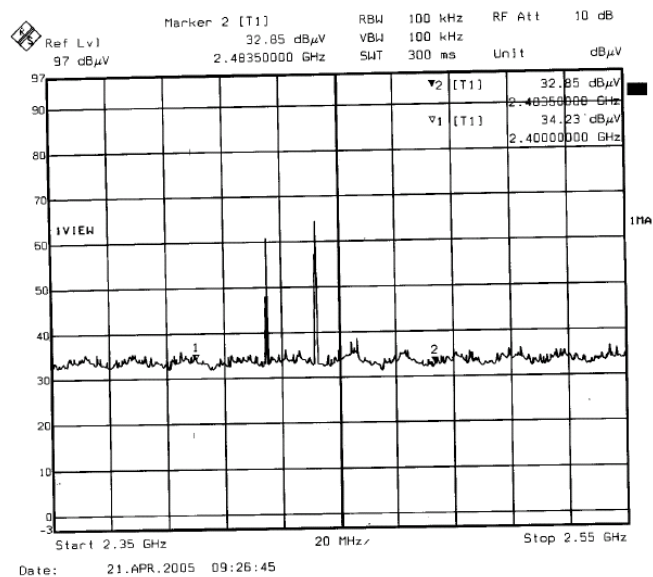
The testing was performed by William Chan on 2005-4-21

The result has been complied with the 15.249(d), see the following plot:

Channel Low/High	Frequency MHz	Emission dB μ V/m	Limit dB μ V/m
Low Channel	2483.50	34.23	54.00
	2400.00	32.85	54.00
High Channel	2483.00	32.24	54.00
	2400.00	32.05	54.00

Test Result: Pass

Low Channel



High Channel

