FCC 47 CFR PART 15 SUBPART B & IC ICES-003 TEST REPORT

for

Mobile phone

MODEL: SH0037D

Test Report Number:
T100917001-D

Issued for

SHARP CORPORATION

22-22 Nagaike-cho, Abeno-ku CS Promotion Group,
Product Safety Promotion Ctr. Osaka, Japan

Issued By:

Compliance Certification Services Inc.

Luchu Laboratory
No. 81-1, Lane 210, Pa-De 2nd Rd., Luchu Hsiang,
Taoyuan Shien, (338), Taiwan, R.O.C.
TEL: 886-3-324-0332
FAX: 886-3-324-5235
E-Mail: service@ccsrf.com

Issued Date: October 15, 2010

Testing Laboratory
0363

ACCREDITED
TESTING CERT #0824.01

Revision History

Rev.		Issue Date		Revisions	Effect Page	Revised By
00		October 15, 2010		Initial Issue	ALL	Jessica Ho

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1 TEST RESULT CERTIFICATION

Product:	Mobile phone
Model:	SH0037D
Brand:	SHARP
Applicant:	**SHARP CORPORATION** 22-22 Nagaike-cho, Abeno-ku CS Promotion Group, Product Safety Promotion Ctr. Osaka, Japan
Manufacturer:	**Arima Communciations Corp.** 6F,No. 866, chung-Zheng Road, Chung-Ho City, taipei Hsieh, Taiwan
Tested:	September 24 ~ 30, 2010
Test Voltage:	120VAC, 60Hz

EMISSION			
Standard	**Item**	**Result**	**Remarks**
FCC 47 CFR Part 15 Subpart B (July 10, 2008), ICES-003 Issue 4: 2004 ANSI C63.4-2003	Conducted (Power Port)	PASS	Meet Class B limit
	Radiated	PASS	Meet Class B limit

Note: 1. The statements of test result on the above are decided by the request of test standard only; the measurement uncertainties are not factored into this compliance determination.
2. The information of measurement uncertainty is available upon the customer's request.

Deviation from Applicable Standard
None

The above equipment has been tested by Compliance Certification Services Inc., and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved by:

Rex Lai
Section Manager

Reviewed by:

Gina Lo
Section Manager

2 EUT DESCRIPTION

Product	Mobile phone		
Brand Name	SHARP		
Model	SH0037D		
Applicant	SHARP CORPORATION		
Serial Number	T100917001		
Received Date	September 17, 2010		
EUT Power Rating	1. Power Adapter: 2. Li-ion Battery: Model: H11NT007A Rating: DC 3.7V, 1010mAh, 3.737Wh		
Power Adapter Manufacturer	N/A	**Model**	3205G2
Power Adapter Power Rating	**For 3205G2** I/P: 100-240V, 150mA, 50-60Hz O/P: 5.0V, 700mA		
AC Power Cord Type	Unshielded, 0.8m (Detachable) to Power Adapter		

Note. *All the above models are identical except the difference of color for its external appearance. Please refer to the external photos for reference.*

I/O Port

I/O PORT TYPES	Q'TY	TESTED WITH
1). USB Port	1	1

3 TEST METHODOLOGY

3.1. DECISION OF FINAL TEST MODE

1. The following test modes were scanned during the preliminary test:

Pre-Test Mode
Mode 1: EUT with Power Adapter
Mode 2: EUT with Notebook via USB cable

2. After the preliminary scan, the following test mode was found to produce the highest emission level.

Final Test Mode		
Emission	Conducted Emission	**Mode 2**
	Radiated Emission	**Mode 2**

Then, the above highest emission mode of the configuration of the EUT and cable was chosen for all final test items.

3.2. EUT SYSTEM OPERATION

1 Setup the EUT and simulators as shown on 4.2.

2 Turn on the power of all equipment.

3 EUT link BT and Notebook

3 The data was sent to monitor filling the screen with upper case of “H” patterns.

4 Test program sequentially exercised all related I/O’s of EUT and sent “H” patterns to all applicable output ports of EUT.

5 Repeat step 3 to 6.

Note: *Test program is self-repeating throughout the test.*

4 SETUP OF EQUIPMENT UNDER TEST

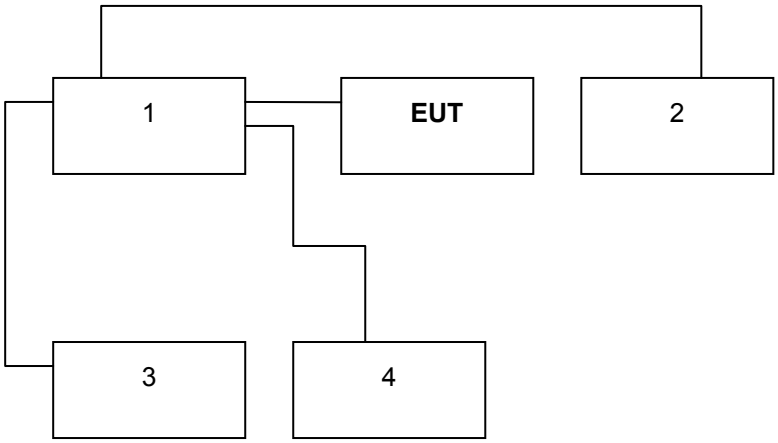
4.1. DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

No.	Equipment	Model No.	Serial No.	FCC ID	Trade Name	Data Cable	Power Cord
1.	Notebook PC	dv6-1332TX	CNF9491GM9	PD9112B NHU	HP	N/A	AC I/P: Unshielded, 1.8m DC O/P: Unshielded, 1.8m with a core
2.	LCD Monitor	2407WFPb	CN-0FC255-46633-675-22TJS	FCC DoC	DELL	Shielded, 1.8m with 2 cores	Unshielded, 1.8m
3.	320GB 2.5" HDD	9ZA2MG-500	2GE3NHH0	FCC DoC	Seagate	Shielded, 1.8m	N/A
4.	USB Mouse	GK-KM6150	094425002032	FCC DoC	GIGABYTE	Shielded, 1.5m	N/A

Note: Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

4.2. CONFIGURATION OF SYSTEM UNDER TEST



5 FACILITIES AND ACCREDITATIONS

5.1. FACILITIES

All measurement facilities used to collect the measurement data are located at:

☐ No.11, Wugong 6th Rd., Wugu Industrial Park, Taipei Hsien 248, Taiwan

☐ No.139, Wugong Rd., Wugu Industrial Park, Taipei Hsien 248, Taiwan

☒ No. 81-1, Lane 210, Pa-De 2nd Rd., Luchu Hsiang, Taoyuan Shien, Taiwan.

☐ No.163-1, Jhongsheng Rd., Sindian City, Taipei County 23151, Taiwan.

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR 22. All receiving equipment conforms to CISPR 16-1-1, CISPR 16-1-2, CISPR 16-1-3, CISPR 16-1-4, CISPR 16-1-5.

5.2. ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

Taiwan	TAF
USA	A2LA

The measuring facility of laboratories has been authorized or registered by the following approval agencies.

Canada	Industry Canada
Norway	Nemko
Japan	VCCI
Taiwan	BSMI
USA	FCC

Copies of granted accreditation certificates are available for downloading from our web site, http:///www.ccsrf.com

5.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Uncertainty
Conducted emissions	9kHz~30MHz	±1.6202
Radiated emissions	30~200MHz	±4.0606
	200~1000MHz	±3.9979
	Above 1GHz	±2.5790

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Consistent with industry standard (e.g. CISPR 22: 2006, clause 11, Measurement Uncertainty) determining compliance with the limits shall be base on the results of the compliance measurement. Consequently the measure emissions being less than the maximum allowed emission result in this be a compliant test or passing test.

The acceptable measurement uncertainty value without requiring revision of the compliance statement is base on conducted and radiated emissions being less than U_{CISPR} which is 3.6dB and 5.2dB respectively. CCS values (called U_{Lab} in CISPR 16-4-2) is less than U_{CISPR} as shown in the table above. Therefore, MU need not be considered for compliance.

6 CONDUCTED EMISSION MEASUREMENT

6.1. LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

NOTE:

(1) The lower limit shall apply at the transition frequencies.
(2) The limit decreases in line with the logarithm of the frequency in the range 0.15 to 0.50 MHz.
(3) All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

6.2. TEST INSTRUMENTS

Conducted Emission Room # A				
Name of Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Due**
EMI Test Receiver	R&S	ESHS30	828144/003	12/06/2010
LISN	EMCO	3825/2	9106-1809	05/02/2011
LISN	SCHAFFNER	NNB 41	03/10013	12/03/2010
Test S/W	CCS-3A1-CE			

NOTE: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

6.3. TEST PROCEDURES (please refer to measurement standard or CCS SOP PA-031)

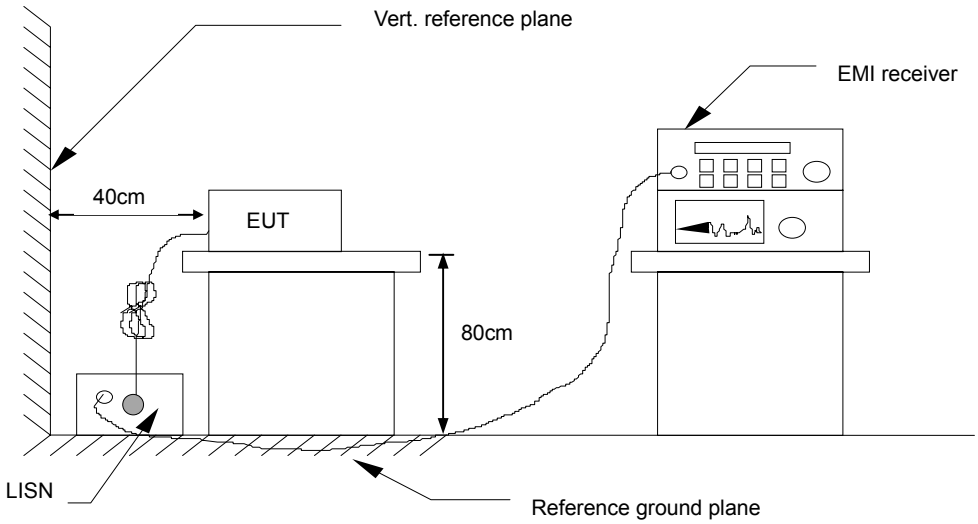
Procedure of Preliminary Test

- The EUT and support equipment, if needed, were set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor standing equipment, it is placed on the ground plane, which has a 12 mm non-conductive covering to insulate the EUT from the ground plane.
- All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- The test equipment EUT installed by AC 120VAC/60Hz main power, through a Line Impedance Stabilization Network (LISN), which was supplied power source and was grounded to the ground plane.
- All support equipment power by from a second LISN.
- The test program of the EUT was started. Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.
- The Receiver scanned from 150kHz to 30MHz for emissions in each of the test modes.
- During the above scans, the emissions were maximized by cable manipulation.
- The test mode(s) described in Item 3.1 were scanned during the preliminary test.
- After the preliminary scan, we found the test mode described in Item 3.1 producing the highest emission level.
- The worst configuration of EUT and cable of the above highest emission level were recorded for reference of the final test.

Procedure of Final Test

- EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.
- A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.
- The test data of the worst-case condition(s) was recorded.

6.4. TEST SETUP



- For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

6.5. DATA SAMPLE:

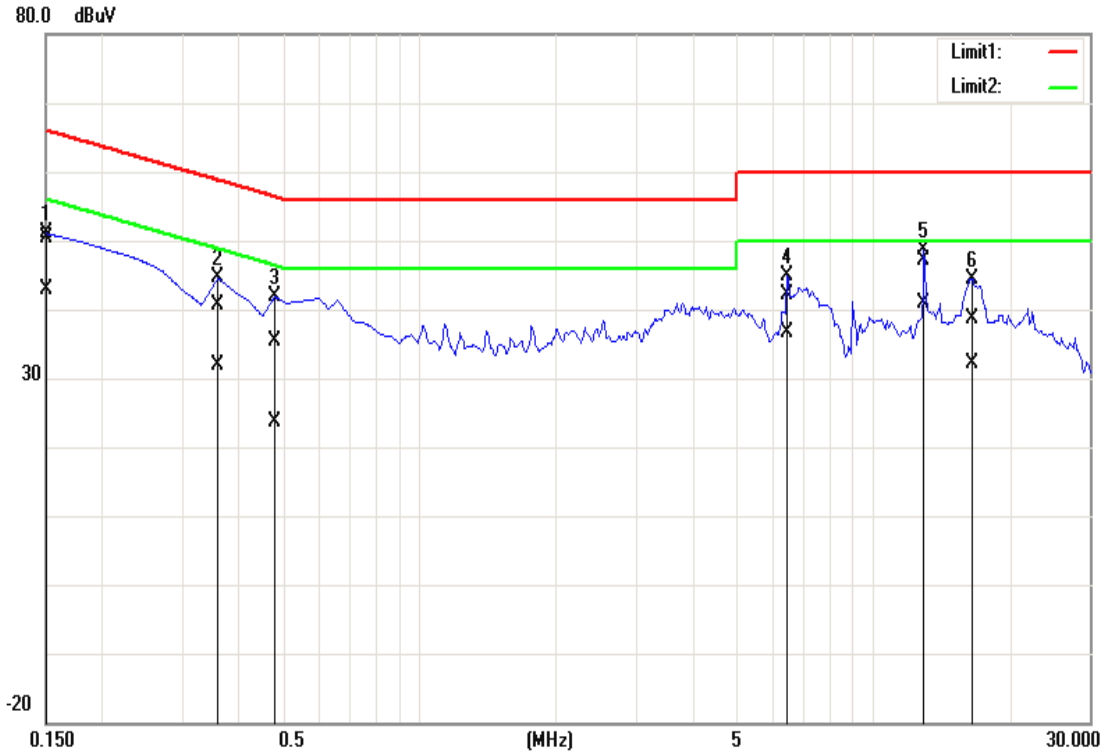
Frequency (MHz)	QuasiPeak reading (dBuV)	Average reading (dBuV)	Correctrion factor (dB)	QuasiPeak result (dBuV)	Average result (dBuV)	QuasiPeak. limit (dBuV)	Average limit (dBuV)	QuasiPeak margin (dB)	Average margin (dB)	Remark
x.xx	43.95	33.00	10.00	53.95	43.00	56.00	46.00	-2.05	-3.00	Pass

Frequency (MHz) = Emission frequency in MHz
Reading (dBuV) = Uncorrected Analyzer/Receiver reading + Insertion loss of LISN, if it > 0.5 dB
Correction Factor (dB) = LISN Factor + Cable Loss
Result (dBuV) = Raw reading converted to dBuV and CF added
Limit (dBuV) = Limit stated in standard
Margin (dB) = Result (dBuV) – Limit (dBuV)

6.6. TEST RESULTS

CCS Conduction Test

Model No.	SH0037D	Test Date	2010/9/28
Environmental Conditions	26°C, 60% RH	Test Mode	Mode 2
Tested by	Edward Chen	Line	L1

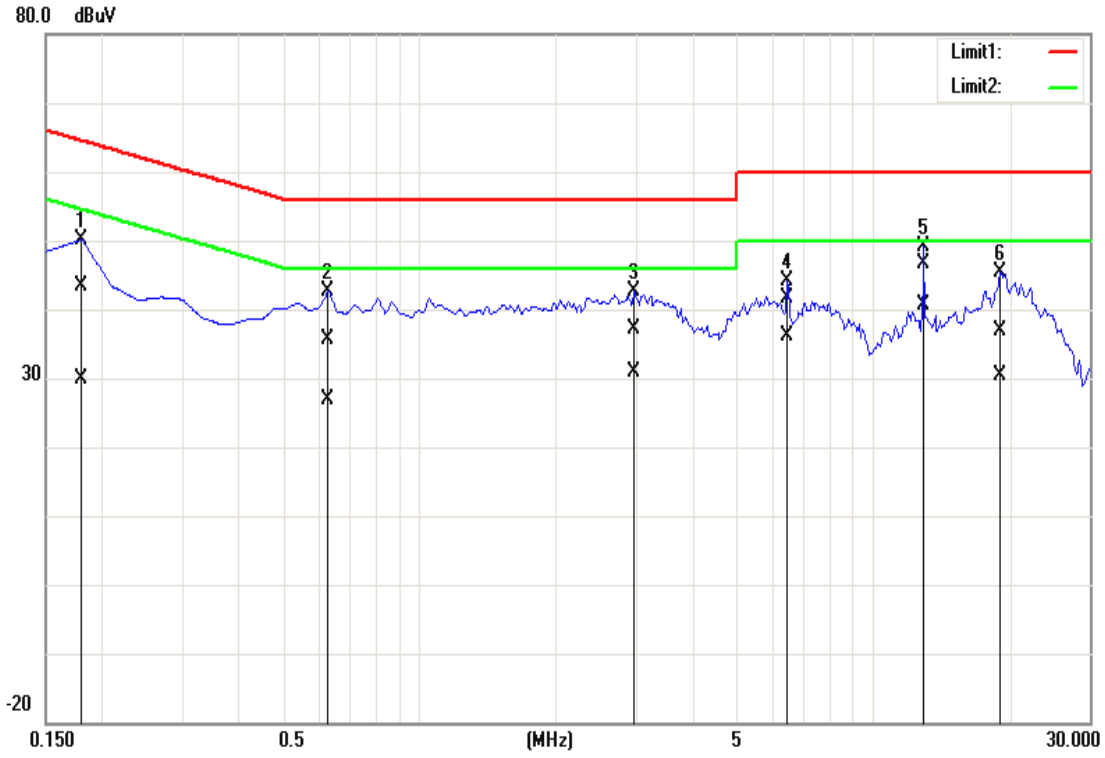


NO.	Frequency (MHz)	QuasiPeak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	QuasiPeak result (dBuV)	Average result (dBuV)	QuasiPeak limit (dBuV)	Average limit (dBuV)	QuasiPeak margin (dB)	Average margin (dB)	Remark (Pass/Fail)
1	0.1500	50.26	42.66	0.14	50.40	42.80	66.00	56.00	-15.60	-13.20	Pass
2	0.3600	40.56	31.76	0.14	40.70	31.90	58.73	48.73	-18.03	-16.83	Pass
3	0.4800	35.26	23.46	0.14	35.40	23.60	56.34	46.34	-20.94	-22.74	Pass
4	6.4800	42.03	36.53	0.17	42.20	36.70	60.00	50.00	-17.80	-13.30	Pass
5	12.9600	46.77	40.57	0.33	47.10	40.90	60.00	50.00	-12.90	-9.10	Pass
6	16.5600	38.22	31.72	0.38	38.60	32.10	60.00	50.00	-21.40	-17.90	Pass

REMARKS: L1 = Line One (Live Line)

CCS Conduction Test

Model No.	SH0037D	**Test Date**	2010/9/28
Environmental Conditions	26°C, 60% RH	**Test Mode**	Mode 2
Tested by	Edward Chen	**Line**	L2



NO.	Frequency (MHz)	QuasiPeak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	QuasiPeak result (dBuV)	Average result (dBuV)	QuasiPeak limit (dBuV)	Average limit (dBuV)	QuasiPeak margin (dB)	Average margin (dB)	Remark (Pass/Fail)
1	0.1800	43.40	29.90	0.10	43.50	30.00	64.48	54.49	-20.98	-24.49	Pass
2	0.6300	35.50	26.70	0.10	35.60	26.80	56.00	46.00	-20.40	-19.20	Pass
3	2.9700	37.10	30.90	0.00	37.10	30.90	56.00	46.00	-18.90	-15.10	Pass
4	6.4800	41.56	36.16	0.04	41.60	36.20	60.00	50.00	-18.40	-13.80	Pass
5	12.9600	46.60	40.50	0.10	46.70	40.60	60.00	50.00	-13.30	-9.40	Pass
6	19.1100	36.90	30.20	0.10	37.00	30.30	60.00	50.00	-23.00	-19.70	Pass

REMARKS: L2 = Line Two (Neutral Line)

7 RADIATED EMISSION MEASUREMENT

7.1. LIMITS OF RADIATED EMISSION MEASUREMENT

According to FCC Part 15.33 (b), 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 1.75	30
1.75-108	1000
108-500	2000
500-1000	5000
Above 1000	5th harmonic of the highest frequency or 40GHz, whichever is lower

Below 1GHz (for digital device)

FREQUENCY (MHz)	dBuV/m (At 10m)	
	Class A	Class B
30 ~ 230	40	30
230 ~ 1000	47	37

Limit tables for non-digital device:

Class A Radiated Emission limit at 10m (for others)

Frequency (MHZ)	Field Strength Limit (uV/m)Q.P.	Field Strength Limit (dBuV/m)Q.P.
30 - 88	90	39
88 - 216	150	43.5
216 – 960	210	46.4
Above 960	300	49.5

Class B Radiated Emission limit at 3m (for others)

Frequency (MHZ)	Field Strength Limit (uV/m)Q.P.	Field Strength Limit (dBuV/m)Q.P.
30 - 88	100	40
88 - 216	150	43.5
216 – 960	200	46
Above 960	500	54

Above 1GHz(for all device)

Frequency (MHZ)	Class A (dBuV/m) (At 10m)		Class B (dBuV/m) (At 3m)	
	Average	Peak	Average	Peak
Above 1000	49.5	69.5	54	74

NOTE: (1) The lower limit shall apply at the transition frequencies.
(2) Emission level (dBuV/m) = 20 log Emission level (uV/m).
(3) The measurement above 1GHz is at close-in distances 3m,and determine the limit **L_2** corresponding to the close-in distance **d_2** by applying the following relation: **$L_2 = L_1 (d_1/d_2)$**, where **L_1** is the specified limit in microvolts per metre (**uV/m**) at the distance **d_1** (**10m**), **L_2** is the new limit for distance **d_2** (**3m**).
So the new Class A limit above 1GHz at 3m is as following table:

Frequency (MHZ)	Class A (dBuV/m) (At 3m)	
	Average	Peak
Above 1000	60	80

7.2. TEST INSTRUMENTS

Wugu 966 Chamber A				
Name of Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Due**
Spectrum Analyzer	Agilent	E4446A	US42510252	10/26/2010
EMI Test Receiver	R&S	ESCI	100064	02/04/2011
Pre-Amplifier	Mini-Circults	ZFL-1000LN	SF350700823	01/13/2011
Pre-Amplifier	MITEQ	AFS44-00102650-4 2-10P-44	1415367	11/20/2010
Bilog Antenna	Sunol Sciences	JB3	A030105	09/10/2011
Horn Antenna	EMCO	3117	00055165	12/07/2010
Turn Table	CCS	CC-T-1F	N/A	N.C.R
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R
Controller	CCS	CC-C-1F	N/A	N.C.R
Site NSA	CCS	N/A	N/A	12/31/2010
Test S/W	EZ-EMC (CCS-3A1RE)			

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. N.C.R = No Calibration Request.

7.3. TEST PROCEDURES (please refer to measurement standard or CCS SOP PA-031)

Procedure of Preliminary Test

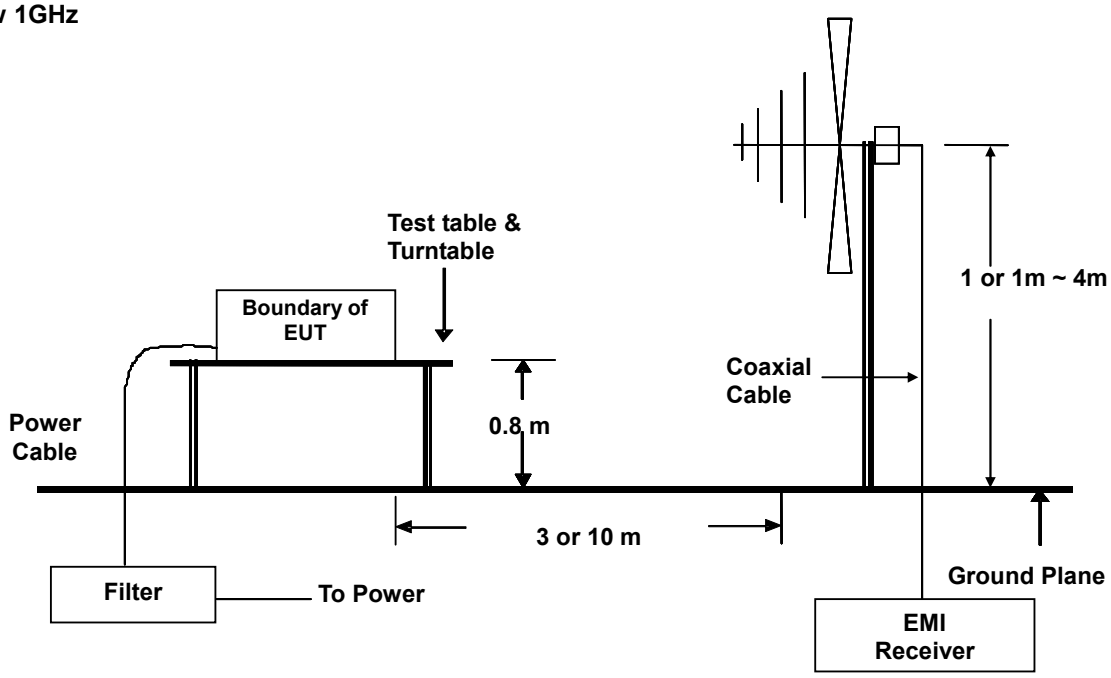
- The equipment was set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden turntable with a height of 0.8 meters is used which is placed on the ground plane. When the EUT is a floor standing equipment, it is placed on the ground plane which has a 12 mm non-conductive covering to insulate the EUT from the ground plane.
- Support equipment, if needed, was placed as per ANSI C63.4.
- All I/O cables were positioned to simulate typical usage as per ANSI C63.4.
- The EUT received AC 120VAC/60Hz power source from the outlet socket under the turntable. All support equipment power received from another socket under the turntable.
- The antenna was placed at 3 or 10 meter away from the EUT as stated in ANSI C63.4. The antenna connected to the Spectrum Analyzer via a cable and at times a pre-amplifier would be used.
- The Analyzer / Receiver quickly scanned from 30MHz to 40GHz. The EUT test program was started. Emissions were scanned and measured rotating the EUT to 360 degrees and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.
- The test mode(s) described in Item 3.1 were scanned during the preliminary test:
- After the preliminary scan, we found the test mode described in Item 3.1 producing the highest emission level.
- The worst configuration of EUT and cable of the above highest emission level were recorded for reference of the final test.

Procedure of Final Test

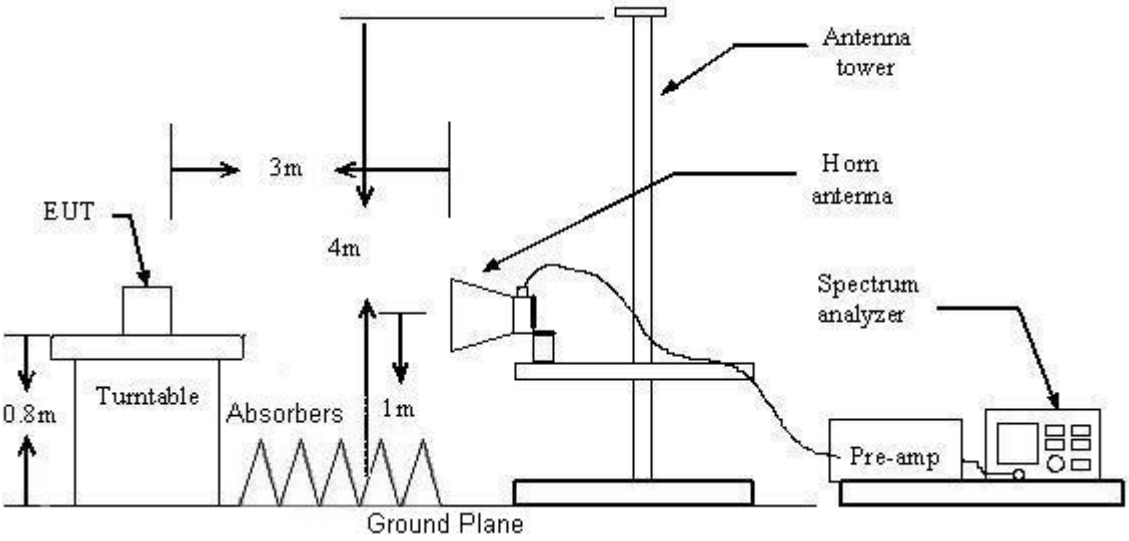
- EUT and support equipment were set up on the turntable as per the configuration with highest emission level in the preliminary test.
- The Analyzer / Receiver scanned from 30MHz to 40GHz. Emissions were scanned and measured rotating the EUT to 360 degrees, varying cable placement and positioning the antenna 1 or 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.
- Recording at least the six highest emissions. Emission frequency, amplitude, antenna position, polarization and turntable position were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit and only Q.P. reading is presented.
- The test data of the worst-case condition(s) was recorded.

7.4. TEST SETUP

Below 1GHz



Above 1GHz



- For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

7.5. DATA SAMPLE:

Below 1GHz

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (◦)	Height (cm)	Remark
xx.xx	16.49	9.86	26.35	30.00	-3.65	116.00	101.00	QP

Above 1GHz

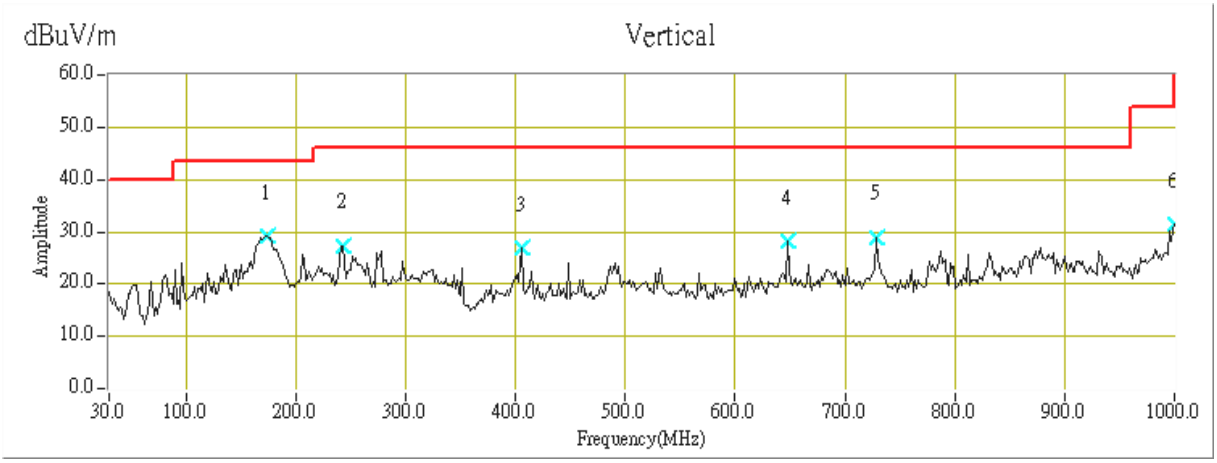
Frequency MHz	Reading		Corr. Factor (dB/m)	Result		Limit		Margin (dB)	Azimuth (°)	Height (cm)	Remark
	Peak (dBuV/m)	Average (dBuV/m)		Peak (dBuV/m)	Average (dBuV/m)	Peak (dBuV/m)	Average (dBuV/m)				
xx.xx	39.34	---	0.68	40.02	---	74.00	54.00	-13.98	49.70	100.00	Peak

Frequency (MHz) = Emission frequency in MHz
Reading (dBuV) = Uncorrected Analyzer / Receiver reading
Correction Factor (dB/m) = Antenna factor + Cable loss – Amplifier gain
Result (dBuV/m) = Reading (dBuV) + Corr. Factor (dB/m)
Limit (dBuV/m) = Limit stated in standard
Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)
Q.P. = Quasi-Peak

7.6. TEST RESULTS

Below 1000MHz

Model No.	SH0037D	**Test Mode**	Mode 2
Environmental Conditions	25°C, 50% RH	**Test Date**	2010/9/24
Antenna Pole	Vertical	**Antenna Distance**	3m
Detector Function:	Peak.	**Tested by**	Mark Yang

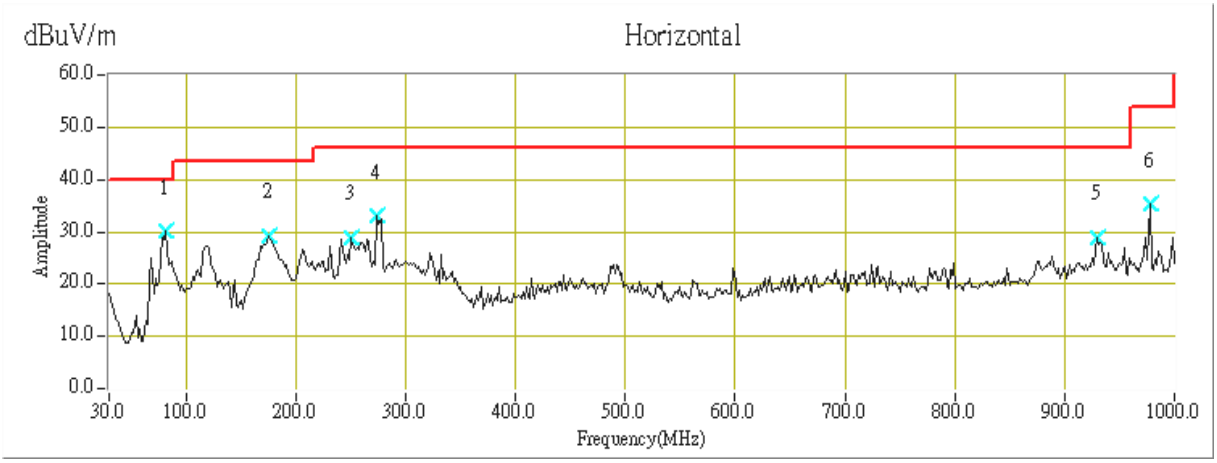


No.	Frequency (MHz)	Reading (dBuV)	Correction Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	173.88	40.38	-11.30	29.08	43.50	-14.42	245.50	100.00	Peak
2	243.40	38.22	-11.03	27.20	46.00	-18.80	190.10	100.00	Peak
3	405.07	33.73	-6.97	26.77	46.00	-19.23	94.70	100.00	Peak
4	647.57	31.10	-2.95	28.15	46.00	-17.85	73.00	100.00	Peak
5	728.40	31.15	-2.13	29.02	46.00	-16.98	259.60	100.00	Peak
6	1000.00	30.43	0.97	31.40	74.00	-42.60	193.30	100.00	Peak

REMARKS: 1. The other emission levels were very low against the limit.

Below 1000MHz

Model No.	SH0037D	Test Mode	Mode 2
Environmental Conditions	25°C, 50% RH	Test Date	2010/9/24
Antenna Pole	Horizontal	Antenna Distance	3m
Detector Function:	Peak.	Tested by	Mark Yang



No.	Frequency (MHz)	Reading (dBuV)	Correction Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	81.73	45.22	-15.20	30.02	40.00	-9.98	187.50	200.00	Peak
2	175.50	40.74	-11.39	29.35	43.50	-14.15	193.20	100.00	Peak
3	249.87	39.72	-10.90	28.82	46.00	-17.18	185.80	100.00	Peak
4	274.12	42.50	-9.52	32.99	46.00	-13.01	208.10	100.00	Peak
5	928.87	28.97	-0.09	28.89	46.00	-17.11	83.40	100.00	Peak
6	977.37	34.60	0.68	35.28	54.00	-18.72	291.20	100.00	Peak

REMARKS: 1. The other emission levels were very low against the limit.

Above 1000MHz

Model No.	SH0037D	**Test Mode**	Mode 2
Environmental Conditions	25°C, 50% RH	**Test Date**	2010/9/30
Antenna Pole	Vertical	**Antenna Distance**	3m
Highest frequency generated or used	2480MHz	**Upper frequency**	12.4GHz
Detector Function:	Peak	**Tested by**	Mark Yang

Frequency MHz	Reading		Corr. Factor (dB/m)	Result		Limit		Margin (dB)	Azimuth (°)	Height (cm)	Remark
	Peak (dBuV/m)	Average (dBuV/m)		Peak (dBuV/m)	Average (dBuV/m)	Peak (dBuV/m)	Average (dBuV/m)				
2493.33	53.65	---	-2.68	50.97	---	74.00	54.00	-3.03	356.20	100.00	Peak

REMARKS:

1. The other emission levels were very low against the limit.

2. Average test would be performed if the peak result were greater than the average limit.

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. Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)

Model No.	SH0037D	**Test Mode**	Mode 2
Environmental Conditions	25°C, 50% RH	**Test Date**	2010/9/30
Antenna Pole	Horizontal	**Antenna Distance**	3m
Highest frequency generated or used	2480MHz	**Upper frequency**	12.4GHz
Detector Function:	Peak	**Tested by**	Mark Yang

Frequency MHz	Reading		Corr. Factor (dB/m)	Result		Limit		Margin (dB)	Azimuth (°)	Height (cm)	Remark
	Peak (dBuV/m)	Average (dBuV/m)		Peak (dBuV/m)	Average (dBuV/m)	Peak (dBuV/m)	Average (dBuV/m)				
2446.67	50.68	---	-2.82	47.86	---	74.00	54.00	-6.14	63.90	100.00	Peak

REMARKS:

1. The other emission levels were very low against the limit.
2. Average test would be performed if the peak result were greater than the average limit.
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. Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)