DDM Brands LLC

GSM Mobile Phone

Model: Clasico YZ300S

Serial Model: Clasico YZ300R ,Clasico YZ300G, Clasico YZ300B

14 December, 2011

Report No.: 11070166-FCC Part 15B
(This report supersedes NONE)

Modifications made to the product : None

This Test Report is Issued Under the Authority of:	
Peter Cai	Alex Liu
Peter Cai **Test Engineer**	**Alex Liu** **Technical Manager**

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Test result presented in this test report is applicable to the representative sample only.

EMC Test Report

TO: FCC Part 15 Subpart B Class B: 2011

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Country/Region	Accreditation Body	Scope
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Mexico	NOM, COFETEL, Caniety	Safety, EMC , RF/Wireless, Telecom
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Accreditations for Product Certifications

Country	Accreditation Body	Scope
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Canada	IC FCB , NIST	EMC , RF , Telecom
Singapore	iDA, NIST	EMC , RF , Telecom
EU	NB	EMC & R&TTE Directive

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CONTENTS

1 Executive Summary & EUT information

The purpose of this test programme was to demonstrate compliance of the DDM Brands LLC , GSM Mobile Phone , and model: Clasico YZ300S against the current Stipulated Standards. The GSM Mobile Phone has demonstrated compliance with the FCC Part 15B:2011.

EUT Information

EUT Description	GSM Mobile Phone
Model No	Clasico YZ300S
Serial Model	Clasico YZ300R ,Clasico YZ300G, Clasico YZ300B
Input Power	Powered by Power Adapter: Trade Name :YEZZ Model No.: YW15 Input: AC110-240V, 50/60Hz, 0.15A MAX Output: DC5V, 500 mA Li-ion Battery: Trade Name :YEZZ Model No.: YB100 Rating: 3.7V Capacity: 800 mAh
Classification Per Stipulated Test Standard	Class B Emission Product

2 TECHNICAL DETAILS

Purpose	Compliance testing of GSM Mobile Phone model Clasico YZ300S with stipulated standard
Applicant / Client	DDM Brands LLC 1612 NW, 84TH Ave. Miami, Florida, U.S.A 33126
Manufacturer	DDM Brands LLC 1612 NW, 84TH Ave. Miami, Florida, U.S.A 33126
Laboratory performing the tests	SIEMIC Nanjing (China) Laboratories NO.2-1,Longcang Dadao, Yuhua Economic Development Zone, Nanjing, China Tel:+86(25)86730128/86730129 Fax:+86(25)86730127 Email:info@siemic.com
Test report reference number	11070166-FCC Part 15B
Date EUT received	5 December, 2011
Standard applied	FCC Part 15B:2011
Dates of test	12 December,2011
No of Units :	1
Equipment Category :	Class B Emission Product
Trade Name :	YEZZ
Model :	Clasico YZ300S
RF Operating Frequency (ies)	Bluetooth: 2402MHz-2480MHz GSM850 TX : 824.2 ~ 848.8 MHz RX :869.2 ~ 893.8 MHz PCS1900 TX : 1850.2 ~ 1909.8 MHz RX :1930.2 ~ 1989.8 MHz
Number of Channels :	Bluetooth:79 300 (PCS1900) and 125 (PCS850)
Modulation :	Bluetooth: GFSK GSM / GPRS : GMSK
FCC ID：	A4JCLASICYZ300

3 MODIFICATION

NONE

4 TEST SUMMARY

The product was tested in accordance with the following specifications.
All testing has been performed according to below product classification:

Class B Emission Product

Test Results Summary

Emissions			
Test Standard	**Description**	**Product Class**	**Pass / Fail**
FCC Part 15B:2011	AC Line Conducted Emissions	See Above	Pass
FCC Part 15B:2011	Radiated Emissions	See Above	Pass

All measurement uncertainty is not taken into consideration for all presented test result.

5 MEASUREMENTS, EXAMINATION AND DERIVED RESULTS

5.1 AC Line Conducted Emissions Test Result

Note:

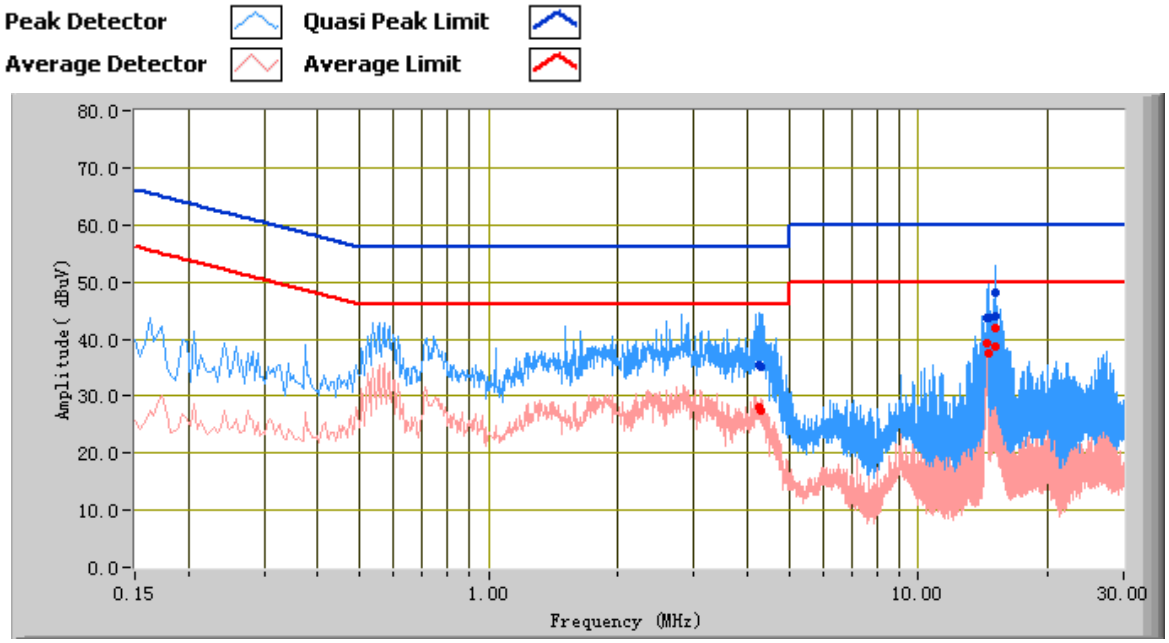
1. All possible modes of operation were investigated. Only the 6 worst case emissions measured, using the correct CISPR and Average detectors, are reported. All other emissions were relatively insignificant.
2. A "-ve" margin indicates a PASS as it refers to the margin present below the limit line at the particular frequency.
3. Conducted Emissions Measurement Uncertainty
   All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 9kHz – 30MHz (Average & Quasi-peak) is ±3.86dB.
4. Environmental Conditions

Temperature	23ºC
Relative Humidity	50%
Atmospheric Pressure	1009mbar

5. Test Date : 12 December, 2011
   Tested By : Peter Cai

Test result: Pass

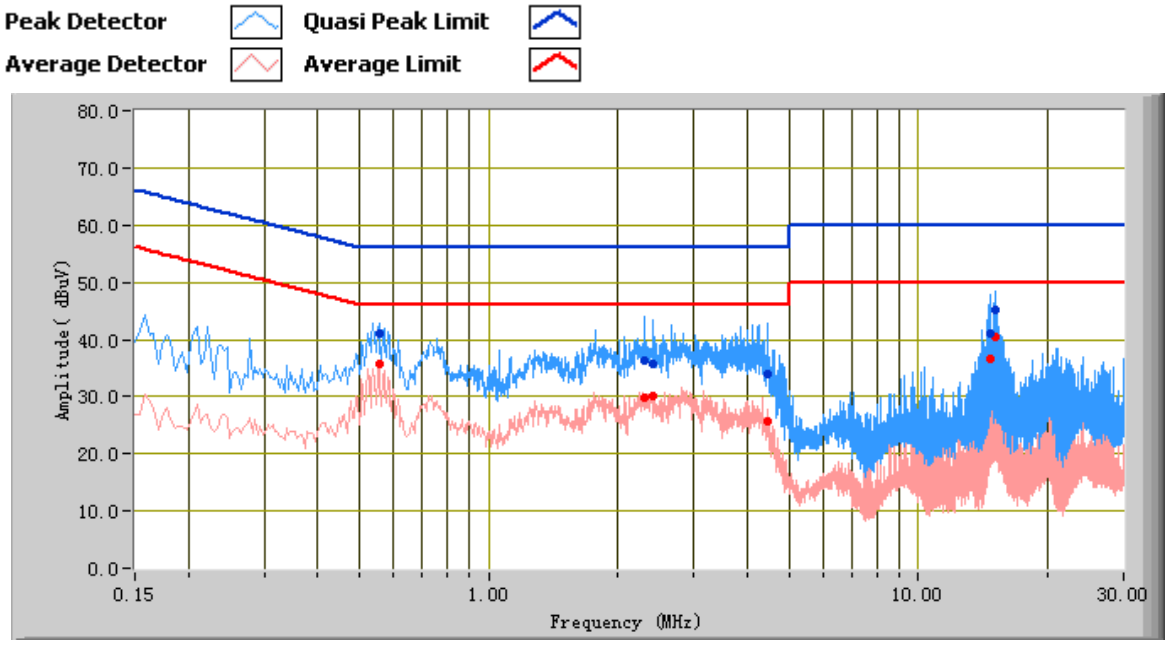
Test Mode:	Mode 1: Charging & Downloading Power-- Line



Phase Line Plot at 120Vac, 60Hz

Frequency (MHz)	Quasi Peak (dBµV)	Limit (dBµV)	Margin (dB)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Factors (dB)
15.15	48.23	60.00	-11.77	42.03	50.00	-7.97	10.47
15.12	43.99	60.00	-16.01	38.62	50.00	-11.38	10.47
14.57	43.73	60.00	-16.27	37.41	50.00	-12.59	10.46
14.44	43.55	60.00	-16.45	39.38	50.00	-10.62	10.46
4.26	35.50	56.00	-20.50	28.02	46.00	-17.98	10.46
4.30	35.04	56.00	-20.96	27.53	46.00	-18.47	10.46

Test Mode:	Mode 1: Charging & Downloading Power-- Neutral



Phase Neutral Plot at 120Vac, 60Hz

Frequency (MHz)	Quasi Peak (dBµV)	Limit (dBµV)	Margin (dB)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Factors (dB)
15.13	45.24	60.00	-14.76	40.44	50.00	-9.56	10.47
2.30	36.24	56.00	-19.76	29.93	46.00	-16.07	10.20
14.66	41.01	60.00	-18.99	36.55	50.00	-13.45	10.46
2.42	35.82	56.00	-20.18	30.22	46.00	-15.78	10.20
4.45	33.81	56.00	-22.19	25.68	46.00	-20.32	10.43
0.55	40.94	56.00	-15.06	35.66	46.00	-10.34	10.16

5.2 Radiated Emissions Test Result

Note:

1. All possible modes of operation were investigated. Only the 6 worst case emissions measured, using the correct CISPR detectors, are reported. All other emissions were relatively insignificant.
2. A "-ve" margin indicates a PASS as it refers to the margin present below the limit line at the particular frequency.
3. Radiated Emissions Measurement Uncertainty
   All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz – 1GHz (QP only @ 3m & 10m) is +5.6dB/-4.5dB (for EUTs < 0.5m X 0.5m X 0.5m).
4. Environmental Conditions

Temperature	23ºC
Relative Humidity	50%
Atmospheric Pressure	1009mbar

5. Test date : 12 December, 2011
   Tested By : Peter Cai

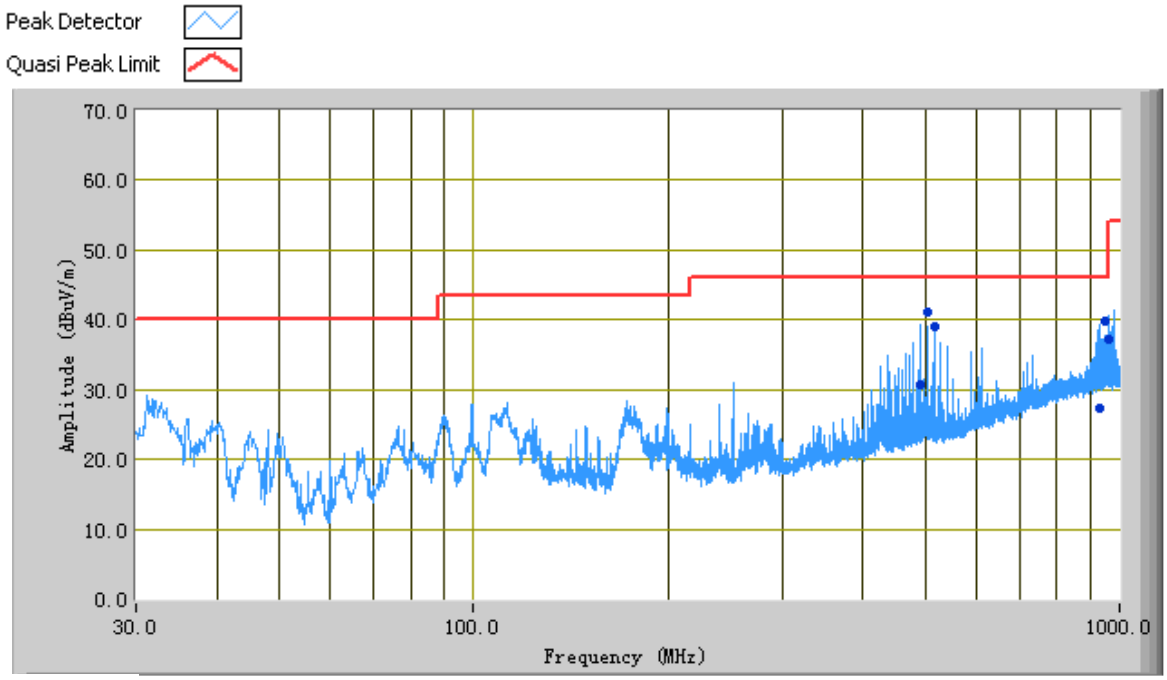
5.2.1 Test Result Complying For FCC Part 15B:2011

Test mode:

Mode 1: Charging & Downloading

Below 1GHz

Antenna polarity： Vertical



Test Data

Frequency (MHz)	*Peak (dBμV/m)*	*Azimuth*	*Polarity(H/V)*	*Height (cm)*	*Factors (dB)*	*Limit (dBμV/m)*	*Margin (dB)*
491.99	30.69	266.00	V	99.00	-25.94	46.00	-15.31
930.01	27.20	38.00	V	99.00	-15.44	46.00	-18.80
960.00	37.11	124.00	V	273.00	-15.23	46.00	-8.89
503.98	41.11	282.00	V	198.00	-25.95	46.00	-4.89
515.98	39.16	298.00	V	197.00	-26.03	46.00	-6.84
948.02	39.89	135.00	V	171.00	-15.45	46.00	-6.11

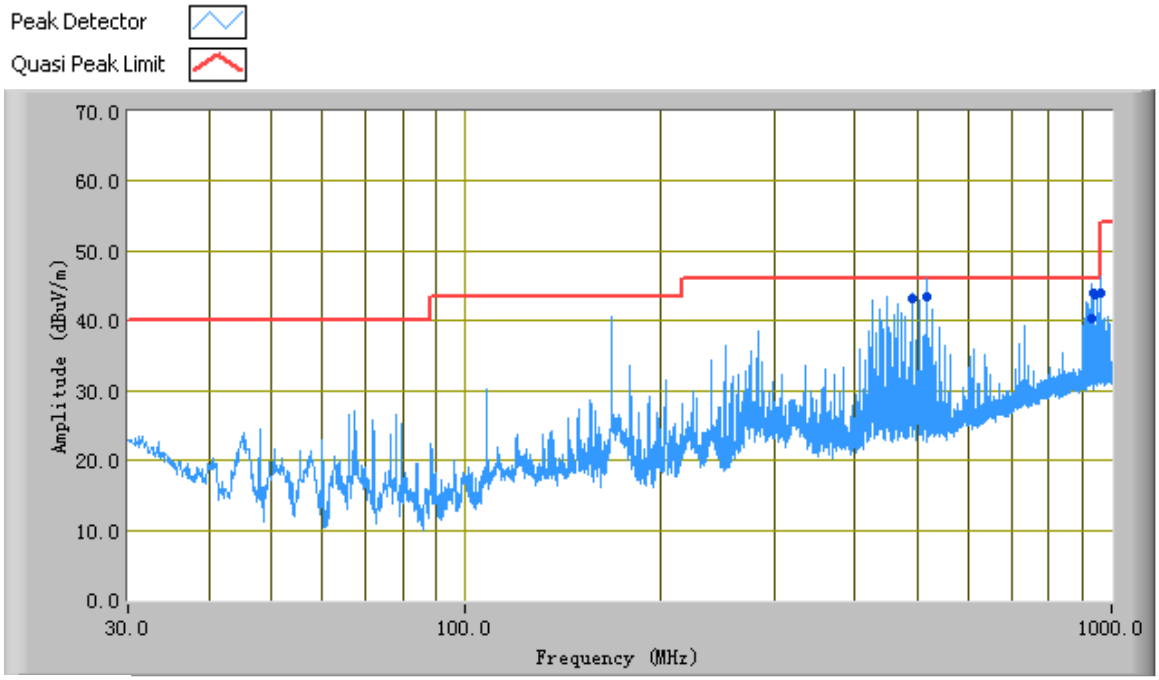
Note: The test data above 1GHz on which below 20 dB to the limit was not recorded.

Test mode:

Mode 1: Charging & Downloading

Below 1GHz

Antenna polarity： Horizontal



Test Data

Frequency (MHz)	*Peak (dBμV/m)*	*Azimuth*	*Polarity(H/V)*	*Height (cm)*	*Factors (dB)*	*Limit (dBμV/m)*	*Margin (dB)*
515.99	43.53	256.00	H	177.00	-25.73	46.00	-2.47
959.98	43.45	13.00	H	137.00	-14.63	46.00	-2.55
929.98	40.41	9.00	H	123.00	-15.09	46.00	-5.59
935.97	43.08	349.00	H	127.00	-15.16	46.00	-2.92
492.01	43.32	248.00	H	183.00	-25.60	46.00	-2.68
947.98	43.89	15.00	H	144.00	-14.97	46.00	-2.11

Note: The test data above 1GHz on which below 20 dB to the limit was not recorded.

Annex A. TEST INSTRUMENT & METHOD

Annex A.i. TEST INSTRUMENTATION & GENERAL PROCEDURES

Instrument	Model	Calibration Due
AC Conducted Emissions		
R&S EMI Test Receiver	ESPI3	05/25/2012
R&S LISN	LI-115	05/25/2012
R&S LISN	LI-115	05/25/2012
Radiated Emissions		
Spectrum Analyzer	8563E	01/10/2012
EMI Receiver	ESPI3	05/18/2012
Antenna(1 ~18GHz)	3115	06/02/2012
Antenna (30MHz~2GHz)	JB1	05/25/2012
Chamber	3m	04/13/2012
Pre-Amplifier(1 ~ 18GHz)	AMF-7D-00101800-30-10P	05/25/2012
Horn Antenna (18~40GHz)	AH-840	07/23/2013
Microwave Pre-Amp (18~40GHz)	PA-840	Every 2000 Hours
Universal Radio Communication Tester	CMU200	02/22/2012
Signal Analyzer	8665B	01/21/2012
Temperature/Humidity Chamber	1007H	06/08/2012

Note: Functional Verification

Annex A.ii. CONDUCTED EMISSIONS TEST DESCRIPTION

Test Set-up

1. The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m x 1m x 0.8m high, non-metallic table, as shown in Annex B.

2. The power supply for the EUT was fed through a 50Ω/50μH EUT LISN, connected to filtered mains.

3. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss coaxial cable.

4. All other supporting equipments were powered separately from another main supply.

Test Method

1. The EUT was switched on and allowed to warm up to its normal operating condition.

2. A scan was made on the NEUTRAL line (for AC mains) or Earth line (for DC power) over the required frequency range using an EMI test receiver.

3. High peaks, relative to the limit line, were then selected.

4. The EMI test receiver was then tuned to the selected frequencies and the necessary measurements made with a receiver bandwidth setting of 10 KHz. For FCC tests, only Quasi-peak measurements were made; while for CISPR/EN tests, both Quasi-peak and Average measurements were made.

5. Steps 2 to 4 were then repeated for the LIVE line (for AC mains) or DC line (for DC power).

Sample Calculation Example

At 20 MHz limit = 250 μV = 47.96 dBμV

Transducer factor of LISN, pulse limiter & cable loss at 20 MHz = 11.20 dB

Q-P reading obtained directly from EMI Receiver = 40.00 dBμV
(Calibrated for system losses)

Therefore, Q-P margin = 47.96 – 40.00 = 7.96 i.e. **7.96 dB below limit**

Annex A.iii. RADIATED EMISSIONS TEST DESCRIPTION

EUT Characterisation

EUT characterisation, over the frequency range from 30MHz to 10th Harmonic, was done in order to minimise radiated emissions testing time while still maintaining high confidence in the test results.

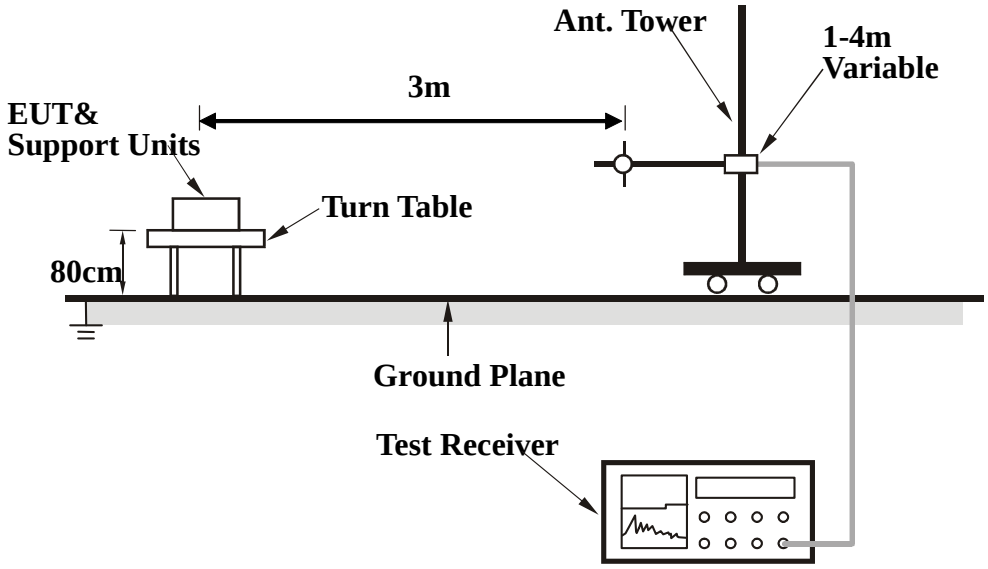
The EUT was placed in the chamber, at a height of about 0.8m on a turntable. Its radiated emissions frequency profile was observed, using a spectrum analyzer /receiver with the appropriate broadband antenna placed 3m away from the EUT. Radiated emissions from the EUT were maximised by rotating the turntable manually, changing the antenna polarisation and manipulating the EUT cables while observing the frequency profile on the spectrum analyzer / receiver. Frequency points at which maximum emissions occurred, clock frequencies and operating frequencies were then noted for the formal radiated emissions test at the Open Area Test Site (OATS).

Test Set-up

1. The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m X 1.0m X 0.8m high, non-metallic table.

2. The filtered power supply for the EUT and supporting equipment were tapped from the appropriate power sockets located on the turntable.

3. The relevant broadband antenna was set at the required test distance away from the EUT and supporting equipment boundary.



Test Method

The following procedure was performed to determine the maximum emission axis of EUT:
1. With the receiving antenna is H polarization, rotate the EUT in turns with three orthogonal axes to determine the axis of maximum emission.
2. With the receiving antenna is V polarization, rotate the EUT in turns with three orthogonal axes to determine the axis of maximum emission.
3. Compare the results derived from above two steps. So, the axis of maximum emission from EUT was determined and the configuration was used to perform the final measurement.

Final Radiated Emission Measurement
1. Setup the configuration according to figure 1. Turn on EUT and make sure that it is in normal function.

2. For emission frequencies measured below 1 GHz, a pre-scan is performed in a shielded chamber to determine the accurate frequencies of higher emissions will be checked on a open test site. As the same purpose, for emission frequencies measured above 1 GHz, a pre-scan also be performed with a 1 meter measuring distance before final test.

3. For emission frequencies measured below and above 1 GHz, set the spectrum analyzer on a 100 kHz and 1 MHz resolution bandwidth respectively for each frequency measured in step 2.

4. The search antenna is to be raised and lowered over a range from 1 to 4 meters in horizontally polarized orientation. Position the highness when the highest value is indicated on spectrum analyzer, then change the orientation of EUT on test table over a range from 0 ◦ to 360 ◦ with a speed as slow as possible, and keep the azimuth that highest emission is indicated on the spectrum analyzer. Vary the antenna position again and record the highest value as a final reading.

5. Repeat step 4 until all frequencies need to be measured were complete.

6. Repeat step 5 with search antenna in vertical polarized orientations.

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

Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	Peak	100 kHz	100 kHz
Above 1000	Peak	1 MHz	1 MHz
	Average	1 MHz	10 Hz

Sample Calculation Example

The field strength is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain (if any) from the measured reading. For the limit is employed average value, therefore the peak value can be transferred to average value by subtracting the duty factor. The basic equation with a sample calculation is as follows:

Peak = Reading + Corrected Factor

where
Corr. Factor = Antenna Factor + Cable Factor - Amplifier Gain (if any)
And the average value is

Average = Peak Value + Duty Factor or
Set RBW = 1MHz, VBW = 10Hz.

Note:
If the measured frequencies are fall in the restricted frequency band, the limit employed must be quasi peak value when frequencies are below or equal to 1 GHz. And the measuring instrument is set to quasi peak detector function.

Annex B. TEST SETUP AND SUPPORTING EQUIPMENT

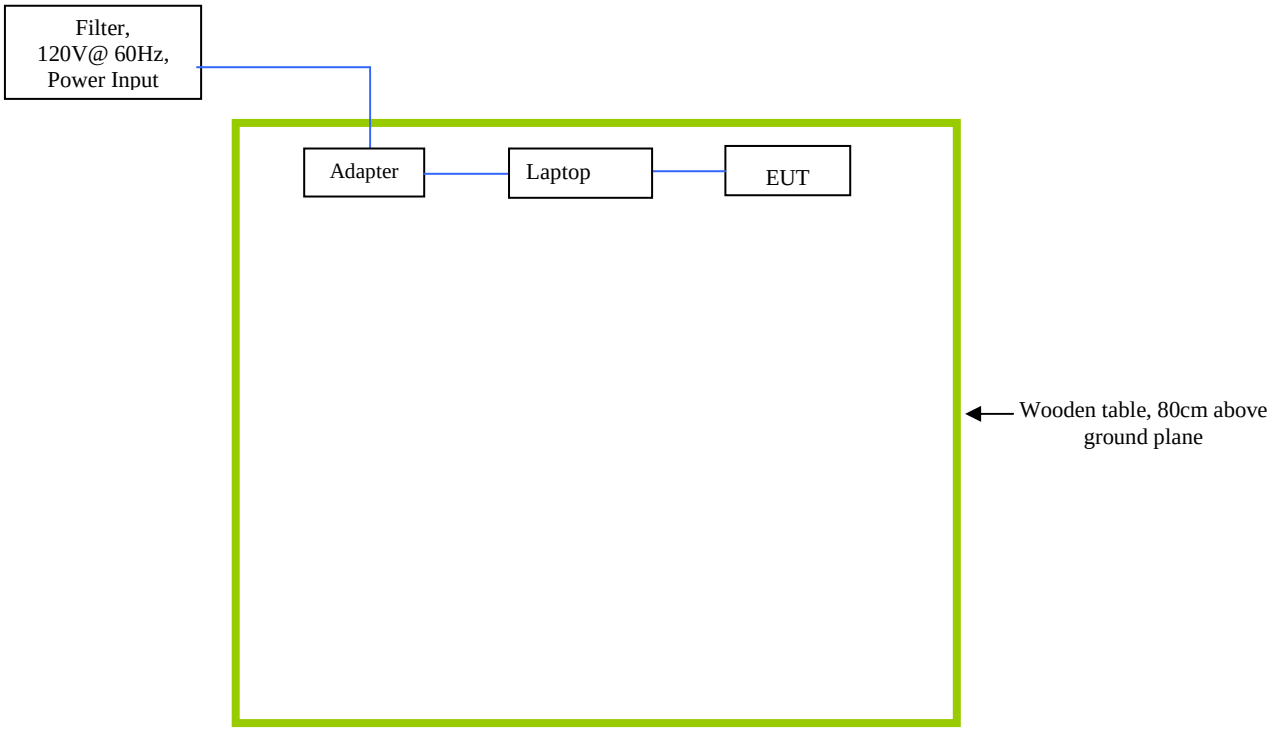
EUT TEST CONDITIONS

Annex B. i. SUPPORTING EQUIPMENT DESCRIPTION

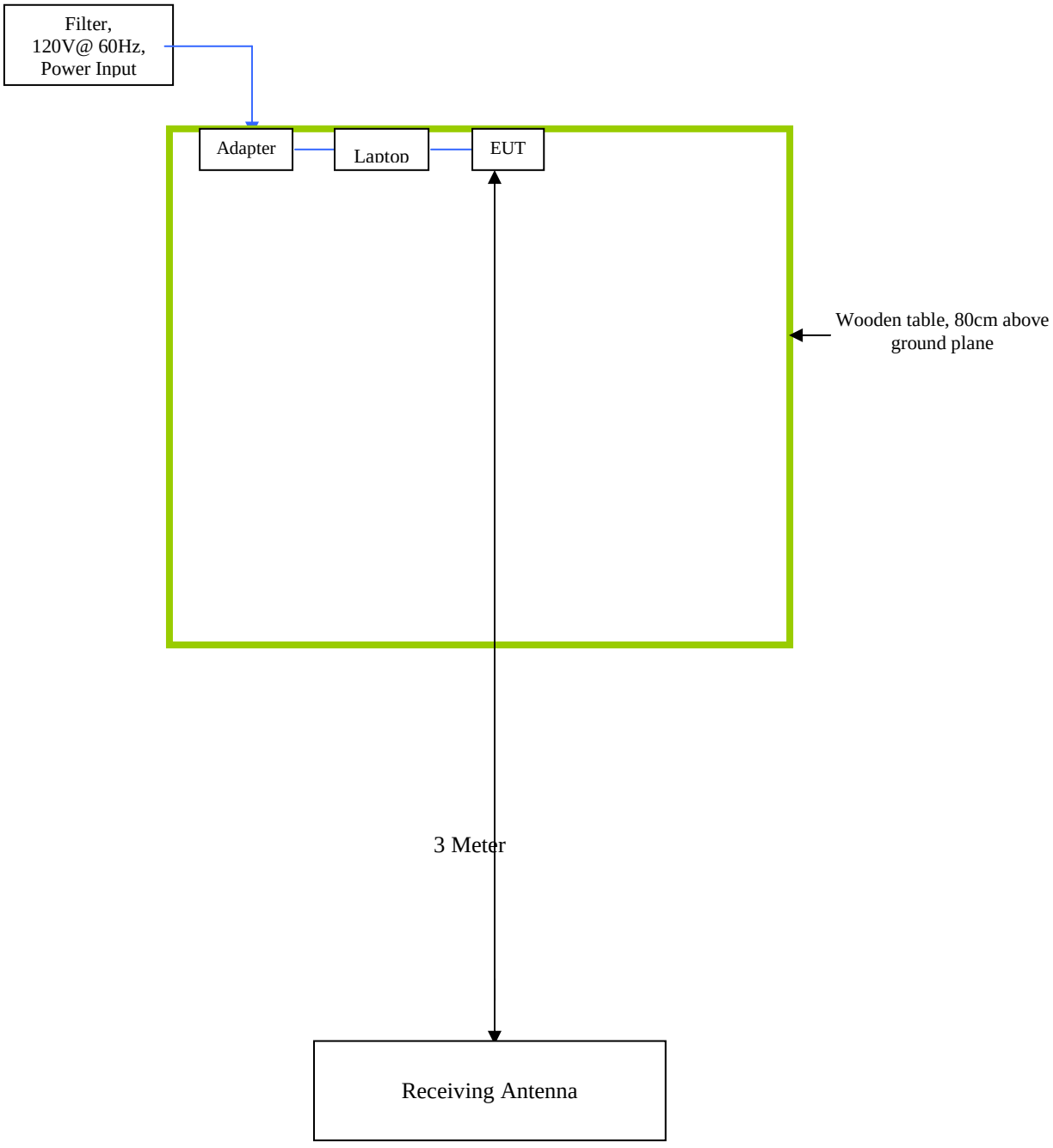
The following is a description of supporting equipment and details of cables used with the EUT.

Equipment Description (Including Brand Name)	Model & Serial Number	Cable Description (List Length, Type & Purpose)
Gateway Laptop	MS2288 & LXWHF02013951C3CA92200	N/A

Block Configuration Diagram for Conducted Emission



Block Configuration Diagram for Radiated Emission



Annex B.ii. EUT OPERATING CONDITIONS

The following is the description of how the EUT is exercised during testing.

Test	Description Of Operation
Emissions Testing	Test mode is Charging & Downloading

Annex C. USER MANUAL / BLOCK DIAGRAM / SCHEMATICS / PART LIST

Please see attachment