FCC TEST REPORT
FCC ID: ONGTAB9155

Product： Tablet

Trade Name： MAXWEST

Model Number： TAB-9155

Report No.： BZT-2013NT1011037F

Prepared for

MAXWEST TELECOM

11037 warner ave #201 fountain valley, ca, 92708 USA

Prepared by

BZT Testing Technology Co., Ltd.

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TEST RESULT CERTIFICATION

Applicant's name	:	MAXWEST TELECOM
Address	:	11037 warner ave #201 fountain valley, ca, 92708 USA
Manufacturer's Name	:	MAXWEST TELECOM
Address	:	11037 warner ave #201 fountain valley, ca, 92708 USA

Product description

Product name	:	Tablet
Model and/or type reference	:	TAB-9155
Standards	:	FCC Part15B:2013 ANSI C63.4:2003

This device described above has been tested by BZT, and the test results show that the equipment under test (EUT) is in compliance with Part 15 of FCC Rules. And it is applicable only to the tested sample identified in the report.

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Date of Test	:	
Date (s) of performance of tests	:	05 October. 2013 ~11 October. 2013
Date of Issue	:	12 October. 2013
Test Result	:	**Pass**

Testing Engineer : Apple Huang

(Apple Huang)

Technical Manager : Jim He

(Jim He)

Authorized Signatory : Bovey Yang

(Bovey Yang)

Table of Contents **Page**

1 . TEST SUMMARY 4
1.1 TEST FACILITY 5
1.2 MEASUREMENT UNCERTAINTY 5
2 . GENERAL INFORMATION 6
2.1 GENERAL DESCRIPTION OF EUT 6
2.2 DESCRIPTION OF TEST MODES 7
2.3 DESCRIPTION OF TEST SETUP 7
2.4 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL 8
2.5 MEASUREMENT INSTRUMENTS LIST 9
3 . EMC EMISSION TEST 10
3.1 CONDUCTED EMISSION MEASUREMENT 10
3.1.1 POWER LINE CONDUCTED EMISSION 10
3.1.2 TEST PROCEDURE 11
3.1.3 TEST SETUP 11
3.1.4 EUT OPERATING CONDITIONS 11
3.1.5 TEST RESULTS 12
3.2 RADIATED EMISSION MEASUREMENT 14
3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT 14
3.2.2 TEST PROCEDURE 14
3.2.3 TEST SETUP 15
3.2.4 EUT OPERATING CONDITIONS 15
3.2.5 TEST RESULTS 16
3.2.6 TEST RESULTS(Above 1GHz) 18
4 . EUT TEST PHOTO 20

1. TEST SUMMARY

Test procedures according to the technical standards:

EMC Emission				
Standard	Test Item	Limit	Judgment	Remark
FCC Part15B:2013 ANSI C63.4: 2003	Conducted Emission	Class B	PASS	
	Radiated Emission	Class B	PASS	

NOTE:

(1) 'N/A' denotes test is not applicable in this Test Report

(2) For client's request and manual description, the test will not be executed.

1.1 TEST FACILITY

BZT Testing Technology Co., Ltd
Add. : 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen P.R. China.
FCC Registration Number: 701733

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y** ± **U**，where expended uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **k=2**，providing a level of confidence of approximately **95** %.

A. Conducted Measurement :

Test Site	Method	Measurement Frequency Range	U，(dB)	NOTE
BZTC01	ANSI	150 KHz ~ 30MHz	3.2	

B. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	U，(dB)	NOTE
BZTA01	ANSI	30MHz ~ 1000MHz	4.7	
		1GHz ~6GHz	5.0	

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

<table>
<tr><td>Equipment</td><td>Tablet</td></tr>
<tr><td>Model Name</td><td>TAB-9155</td></tr>
<tr><td>Serial No</td><td>N/A</td></tr>
<tr><td>Model Difference</td><td>N/A</td></tr>
<tr><td>Product Description</td><td>The EUT is a Tablet .

<table><tr><td>Operating frequency:</td><td>N/A</td></tr><tr><td>Connecting I/O port:</td><td>USB port</td></tr></table>
Based on the application, features, or specification exhibited in User's Manual, More details of EUT technical specification, please refer to the User's Manual.</td></tr>
<tr><td>Power Source</td><td>DC Voltage</td></tr>
<tr><td>Ratings</td><td>DC 5V from Adapter with AC 120V/60Hz or DC 3.7V from battery</td></tr>
<tr><td>Adapter</td><td>Input: AC 100V-240V, 50/60Hz, 0.3A
Output: DC 5V 2A</td></tr>
<tr><td>Battery</td><td>3.7V 3000mAh</td></tr>
</table>

2.2 DESCRIPTION OF TEST MODES

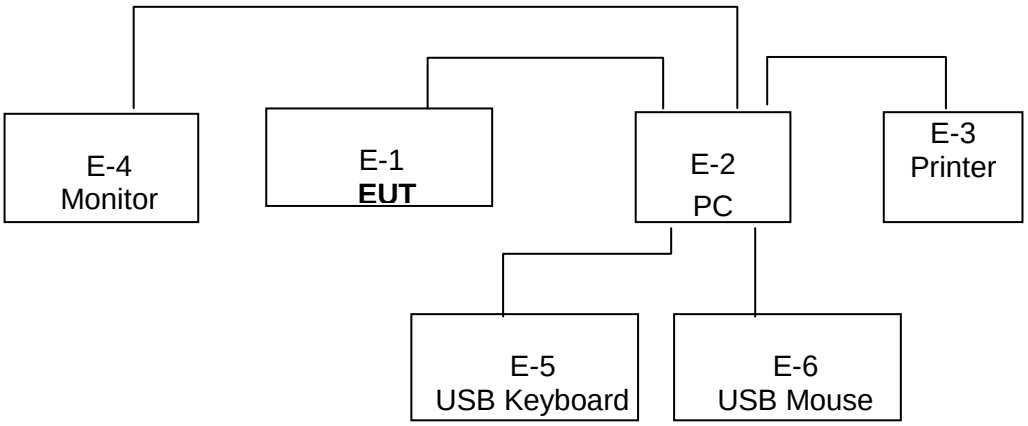
To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	Copy data

For Conducted Test	
Final Test Mode	Description
Mode 1	Copy data

For Radiated Test	
Final Test Mode	Description
Mode 1	Copy data

2.3 DESCRIPTION OF TEST SETUP



2.4 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

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.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	Tablet	N/A	TAB-9155	N/A	EUT
E-2	Personal Computer	ACER	ASPIRE M1830	PTSF90C00305005CAC3000	
E-3	Printer	HP	HP1020	CNCJ410726	
E-4	Monitor	ACER	G205HV	SNID:10306738385	
E-5	USB Keyboard	ACER	SK-9625	KBUSB1580500037E0100	
E-6	USB Mouse	ACER	MS.11200.014	M-UAY-ACR2	
Note: Auxiliary device through the FCC DOC certification.					

Item	Shielded Type	Ferrite Core	Length	Note
/	NO	NO	/	

Note:

(1) The support equipment was authorized by Declaration of Confirmation.
(2) For detachable type I/O cable should be specified the length in cm in『Length』column.
(3) “YES” means “shielded” “with core”; “NO” means “unshielded” “without core”.

2.5 MEASUREMENT INSTRUMENTS LIST

2.5.1 CONDUCTED TEST SITE

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	R&S	ENV216	101313	Jul. 06, 2014
2	LISN	EMCO	3816/2	00042990	Jul. 06, 2014
3	50Ω Switch	ANRITSU CORP	MP59B	6200983704	Jul. 06, 2014
4	Test Cable	N/A	C01	N/A	Jul. 06, 2014
5	Test Cable	N/A	C02	N/A	Jul. 06, 2014
6	Test Cable	N/A	C03	N/A	Jul. 06, 2014
7	EMI Test Receiver	R&S	ESCI	101160	Jul. 06, 2013
8	Passive Voltage Probe	ESH2-Z3	R&S	100196	Jul. 06, 2014
9	Triple-Loop Antenna	EVERFINE	LIA-2	11020003	Jul. 06, 2014
10	Absorbing Clamp	R&S	MDS-21	100423	Jul. 06, 2014

2.5.2 RADIATED TEST SITE

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Bilog Antenna	TESEQ	CBL6111D	31216	Jul. 06, 2014
2	Test Cable	N/A	R-01	N/A	Jul. 06, 2014
3	Test Cable	N/A	R-02	N/A	Jul. 06, 2014
4	EMI Test Receiver	R&S	ESCI-7	101318	Jul. 06, 2014
5	Antenna Mast	EM	SC100_1	N/A	N/A
6	Turn Table	EM	SC100	060531	N/A
7	50Ω Switch	Anritsu Corp	MP59B	6200983705	Jul. 06, 2014
8	Spectrum Analyzer	Aglient	E4407B	MY45108040	Jul. 06, 2014
9	Horn Antenna	EM	EM-AH-10180	2011071402	Jul. 06, 2014
10	Amplifier	EM	EM-30180	060538	Jul. 06, 2014

3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

Note:

(1) The tighter limit applies at the band edges.

(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

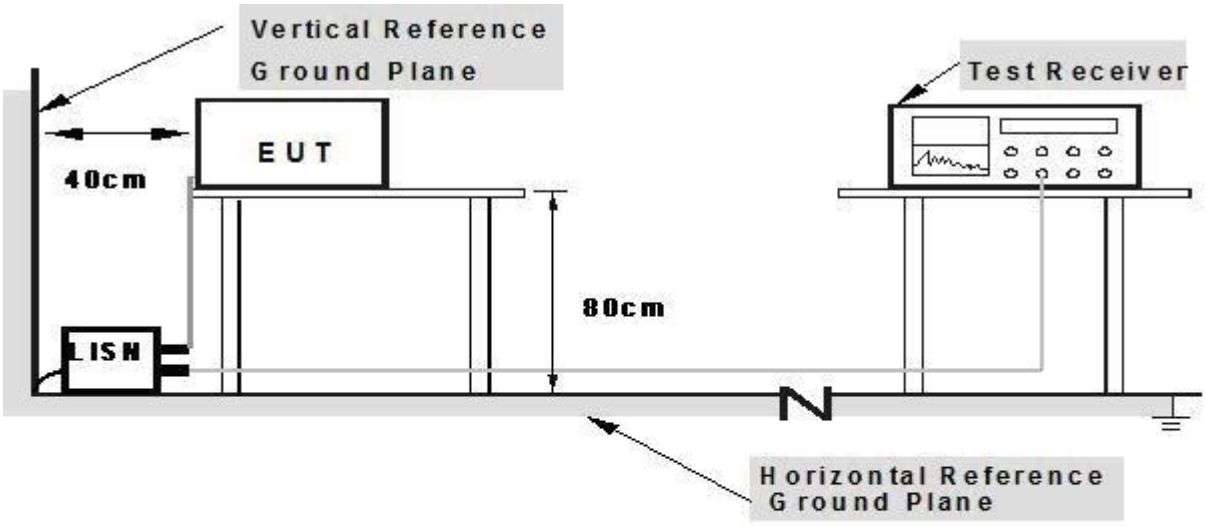
The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.1.2 TEST PROCEDURE

a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
d. LISN at least 80 cm from nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 TEST SETUP



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

3.1.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **2.3** Unless otherwise a special operating condition is specified in the follows during the testing.

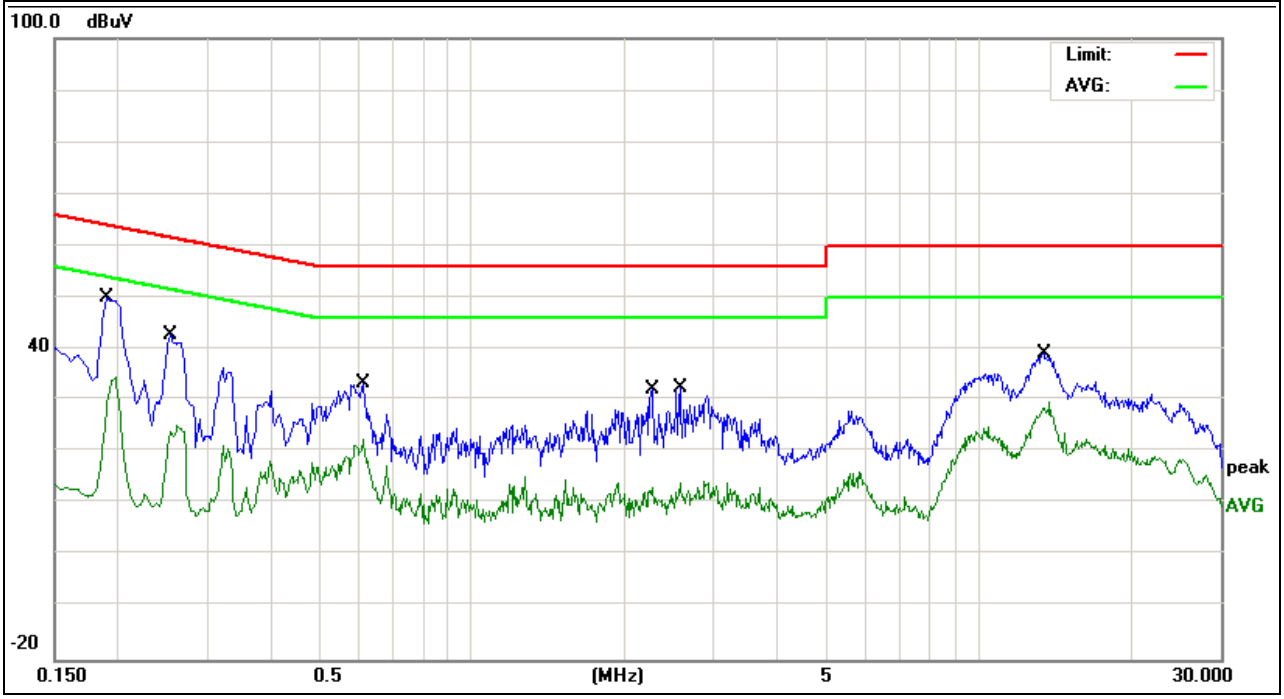
3.1.5 TEST RESULTS

EUT：	Tablet	Model Name. ：	TAB-9155
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Test Date：	2013/10/08
Test Mode：	Copy data	Phase：	L
Test Voltage ：	DC 5V from PC with AC 120V/60Hz		

Frequency (MHz)	Reading Level (dBμV)	Correct Factor (dB)	Measure-ment (dBμV)	Limits (dBμV)	Margin (dB)	Detector Type
0.19	38.9	11.19	50.09	64.03	-13.94	QP
0.19	23.36	11.19	34.55	54.03	-19.48	AVG
0.254	32.03	10.96	42.99	61.62	-18.63	QP
0.254	14.04	10.96	25	51.62	-26.62	AVG
0.61	22.62	10.55	33.17	56	-22.83	QP
0.61	11.88	10.55	22.43	46	-23.57	AVG
2.262	21.55	10.53	32.08	56	-23.92	QP
2.262	2.67	10.53	13.2	46	-32.8	AVG
2.574	21.85	10.53	32.38	56	-23.62	QP
2.574	3.41	10.53	13.94	46	-32.06	AVG
13.4419	28.38	10.89	39.27	60	-20.73	QP
13.4419	18.74	10.89	29.63	50	-20.37	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

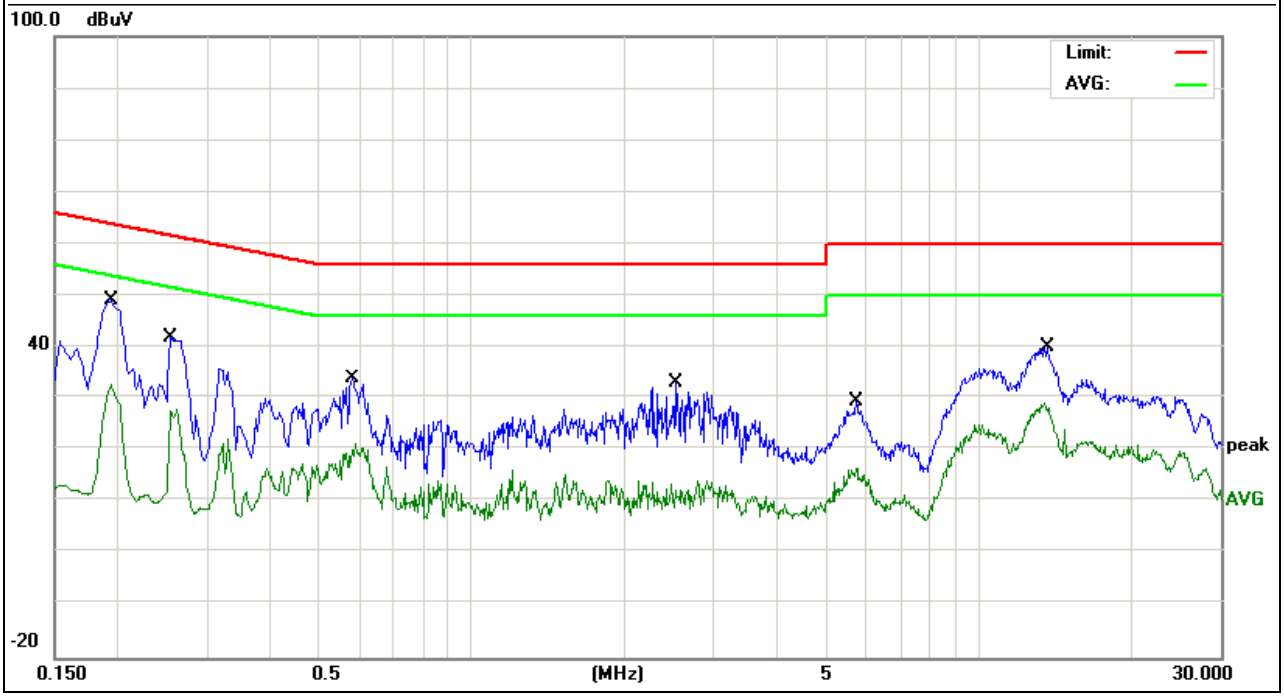


EUT：	Tablet	Model Name. ：	TAB-9155
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Test Date：	2013/10/08
Test Mode：	Copy data	Phase：	N
Test Voltage ：	DC 5V from PC with AC 120V/60Hz		

Frequency (MHz)	Reading Level (dBμV)	Correct Factor (dB)	Measure-ment (dBμV)	Limits (dBμV)	Margin (dB)	Detector Type
0.194	37.99	11.14	49.13	63.86	-14.73	QP
0.194	21.59	11.14	32.73	53.86	-21.13	AVG
0.254	30.95	10.96	41.91	61.62	-19.71	QP
0.254	16.91	10.96	27.87	51.62	-23.75	AVG
0.582	23.18	10.55	33.73	56	-22.27	QP
0.582	10.64	10.55	21.19	46	-24.81	AVG
2.526	22.3	10.53	32.83	56	-23.17	QP
2.526	2.79	10.53	13.32	46	-32.68	AVG
5.7339	18.62	10.67	29.29	60	-30.71	QP
5.7339	5.75	10.67	16.42	50	-33.58	AVG
13.6419	29.13	10.89	40.02	60	-19.98	QP
13.6419	18.02	10.89	28.91	50	-21.09	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 3m)
	dBuV/m	dBuV/m
30 ~ 88	39.0	40.0
88 ~ 216	43.5	43.5
216 ~ 960	46.5	46.0
Above 960	49.5	54.0

Notes:

(1) The limit for radiated test was performed according to as following: FCC PART 15B /ICES-003.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

3.2.2 TEST PROCEDURE

a. The measuring distance of at 10 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.

b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.

c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

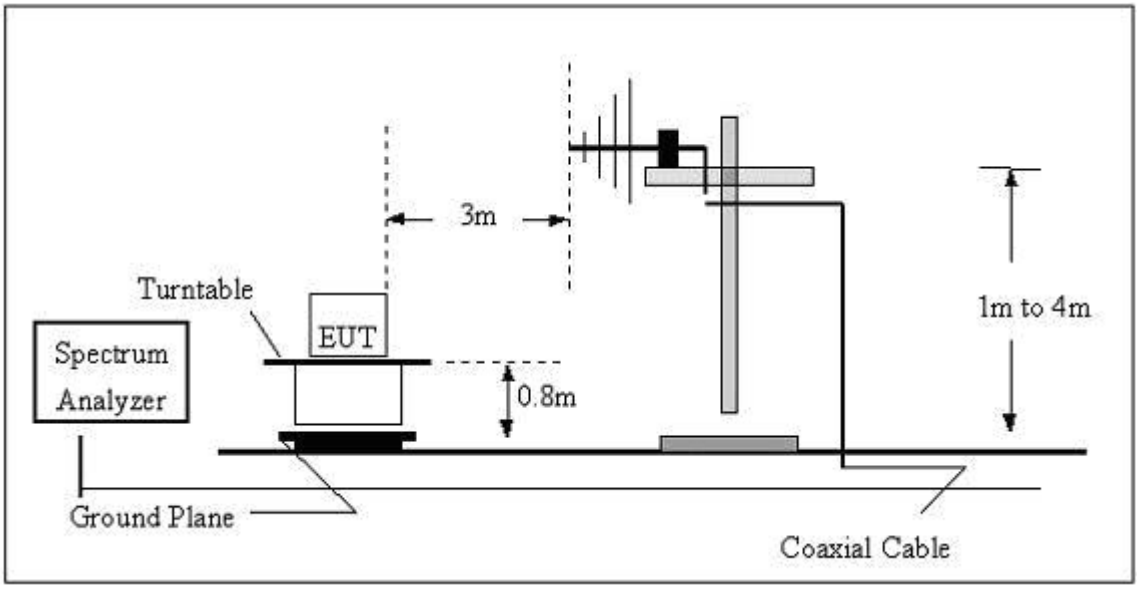
d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured, above 1G Average detector mode will be instead.

e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP(AV) Limits and then no additional QP Mode measurement performed.

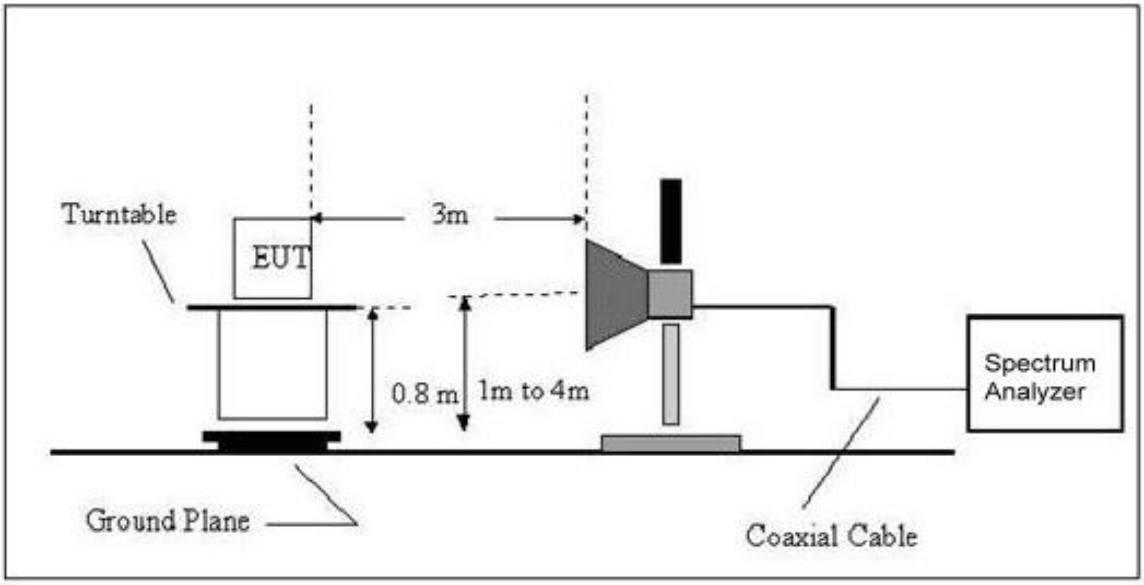
f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.2.3 TEST SETUP

(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(B) Radiated Emission Test Set-Up Frequency Above 1GHz



3.2.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **2.3** Unless otherwise a special operating condition is specified in the follows during the testing.

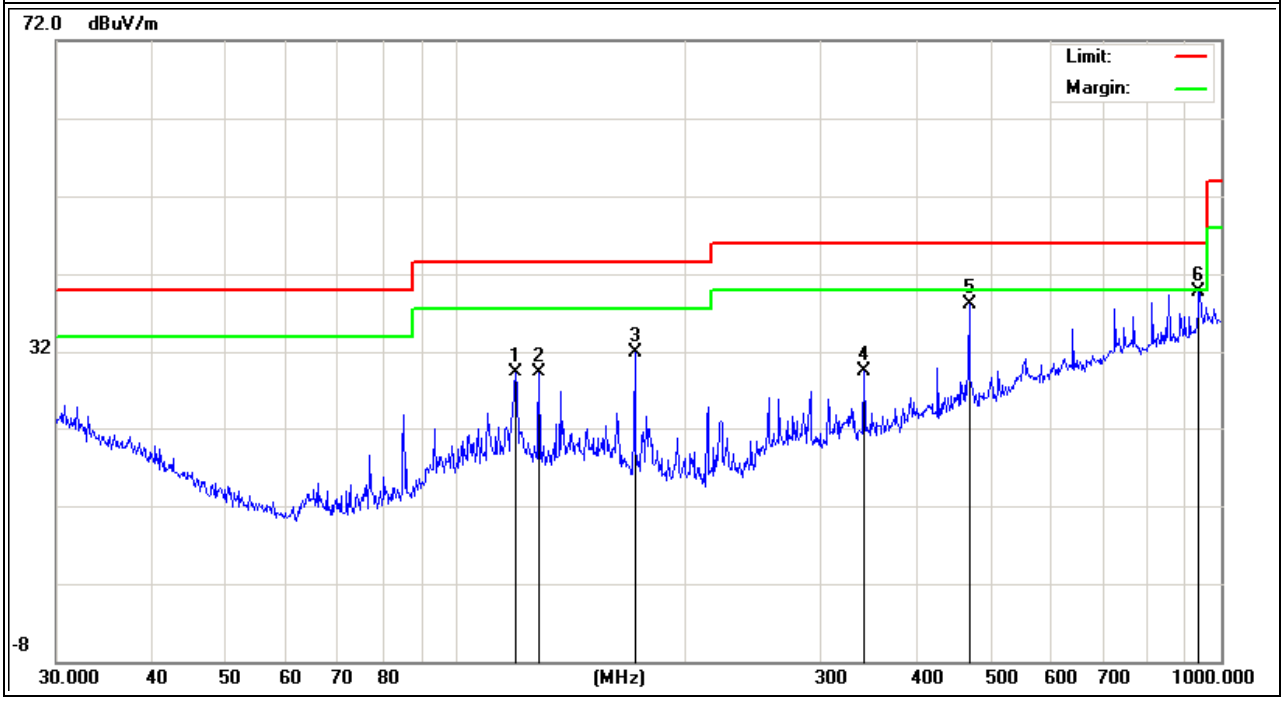
3.2.5 TEST RESULTS

EUT：	Tablet	Model Name ：	TAB-9155
Temperature：	24 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Date :	2013-10-08
Test Mode ：	Copy data	Polarization :	Horizontal
Test Power ：	DC 5V from PC with AC 120V/60Hz		

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
119.436	17.21	12.08	29.29	43.50	-14.21	QP
128.1129	17.17	12.2	29.37	43.50	-14.13	QP
170.7926	21.57	10.35	31.92	43.50	-11.58	QP
341.9786	13.35	16.19	29.54	46.00	-16.46	QP
468.8761	18.47	19.69	38.16	46.00	-7.84	QP
935.5462	10.35	29.42	39.77	46.00	-6.23	QP

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

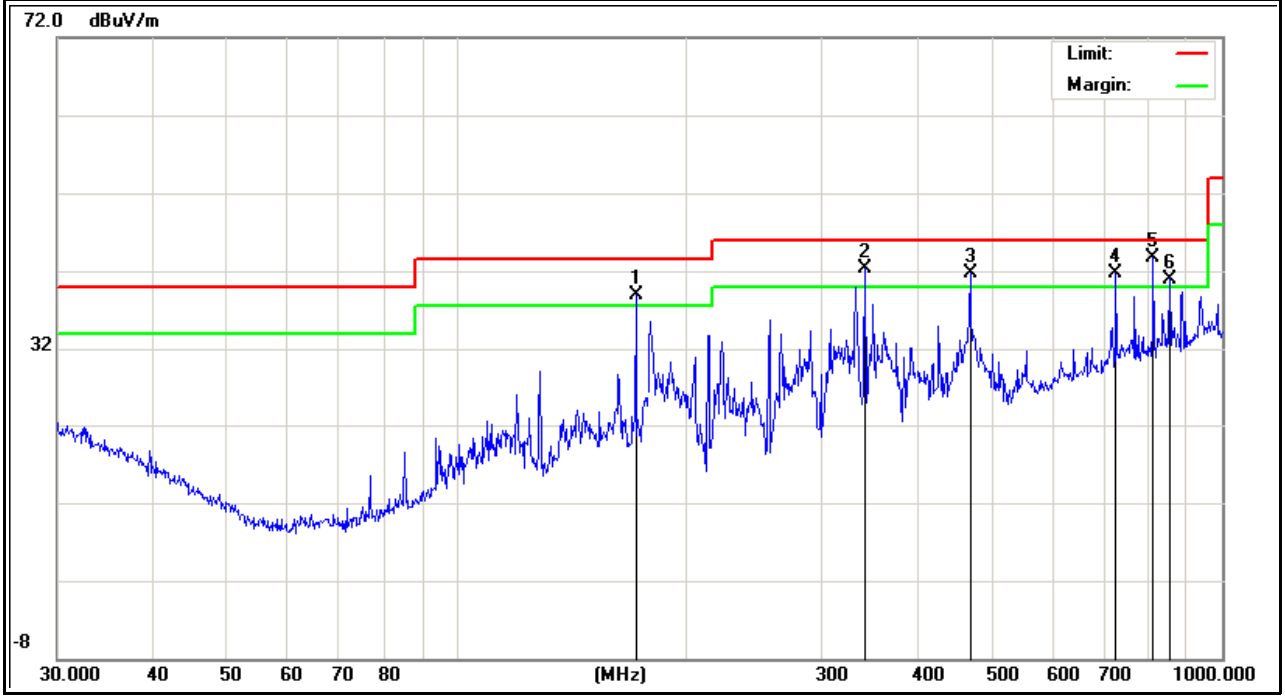


EUT：	Tablet	Model Name ：	TAB-9155
Temperature：	24 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Date：	2013-10-08
Test Mode ：	Copy data	Polarization：	Vertical
Test Power ：	DC 5V from PC with AC 120V/60Hz		

Frequency (MHz)	Reading Level (dBμV)	Correct Factor (dB)	Measure-ment (dBμV)	Limits (dBμV)	Margin (dB)	Detector Type
170.7923	28.59	10.35	38.94	43.50	-4.56	QP
341.9786	26.15	16.19	42.34	46.00	-3.66	QP
468.8761	22.1	19.69	41.79	46.00	-4.21	QP
726.8052	15.78	26.00	41.78	46.00	-4.22	QP
813.1114	16.32	26.35	42.67	46.00	-3.33	QP
854.0247	13.49	27.51	41.00	46.00	-5.00	QP

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



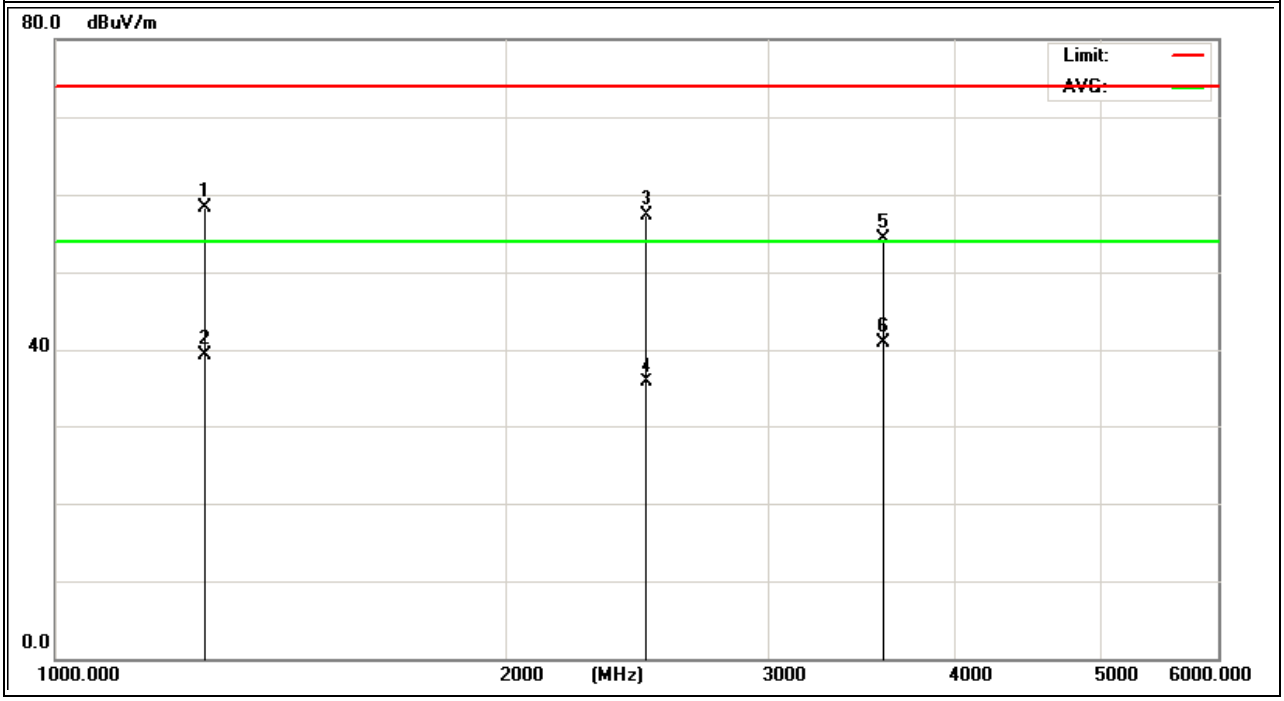
3.2.6 TEST RESULTS(Above 1GHz)

EUT：	Tablet	Model Name ：	TAB-9155
Temperature：	24 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Date :	2013.10.08
Test Mode ：	Copy data	Polarization :	Horizontal
Test Power ：	DC 5V from PC with AC 120V/60Hz		

Frequency (MHz)	Reading Level (dBμV)	Correct Factor (dB)	Measure-ment (dBμV)	Limits (dBμV)	Margin (dB)	Detector Type
1257.259	31.51	26.74	58.25	74	-15.75	peak
1257.259	12.5	26.74	39.24	54	-14.76	AVG
2486.286	23.99	33.29	57.28	74	-16.72	peak
2486.286	2.49	33.29	35.78	54	-18.22	AVG
3586.246	15.38	38.97	54.35	74	-19.65	peak
3586.246	1.86	38.97	40.83	54	-13.17	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

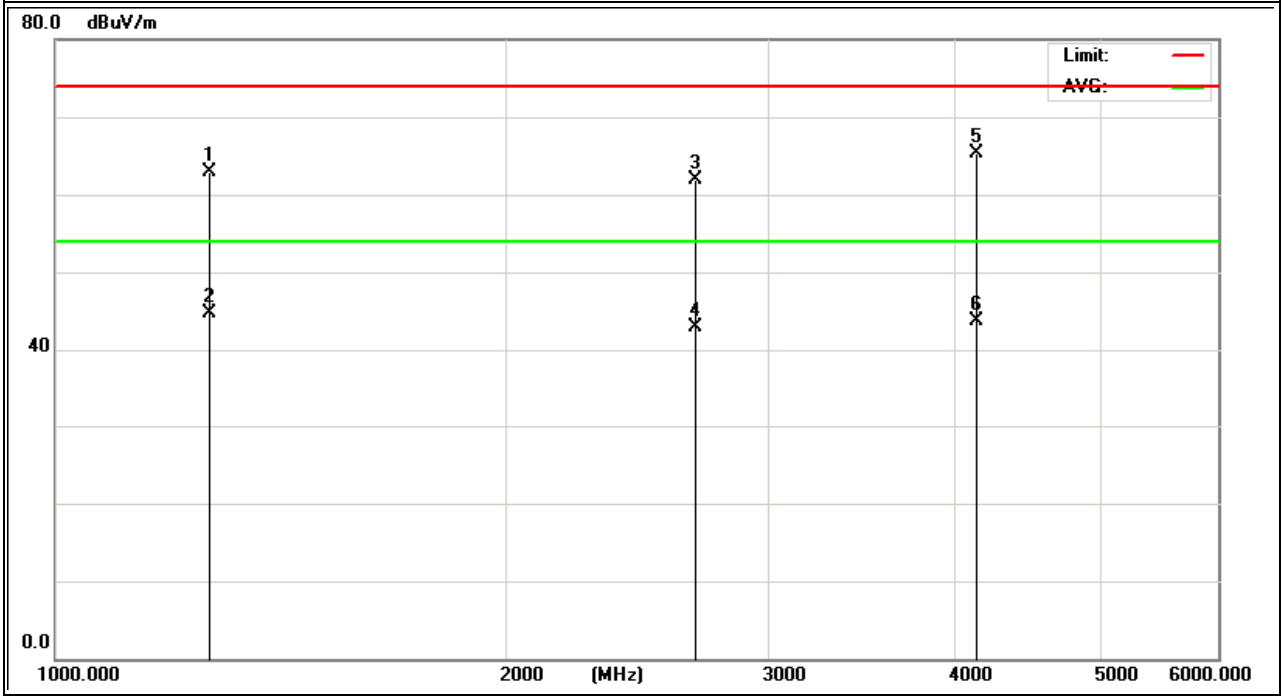


EUT：	Tablet	Model Name ：	TAB-9155
Temperature：	24 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Date :	2013.10.08
Test Mode ：	Copy data	Polarization :	Vertical
Test Power ：	DC 5V from PC with AC 120V/60Hz		

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
1265.879	31.42	31.4	62.82	70	-7.18	peak
1265.879	13.37	31.4	44.77	50	-5.23	AVG
2683.547	25.6	36.32	61.92	70	-8.08	peak
2683.547	6.5	36.32	42.82	50	-7.18	AVG
4126.852	22.19	43.08	65.27	74	-8.73	peak
4126.852	0.7	43.08	43.78	54	-10.22	AVG

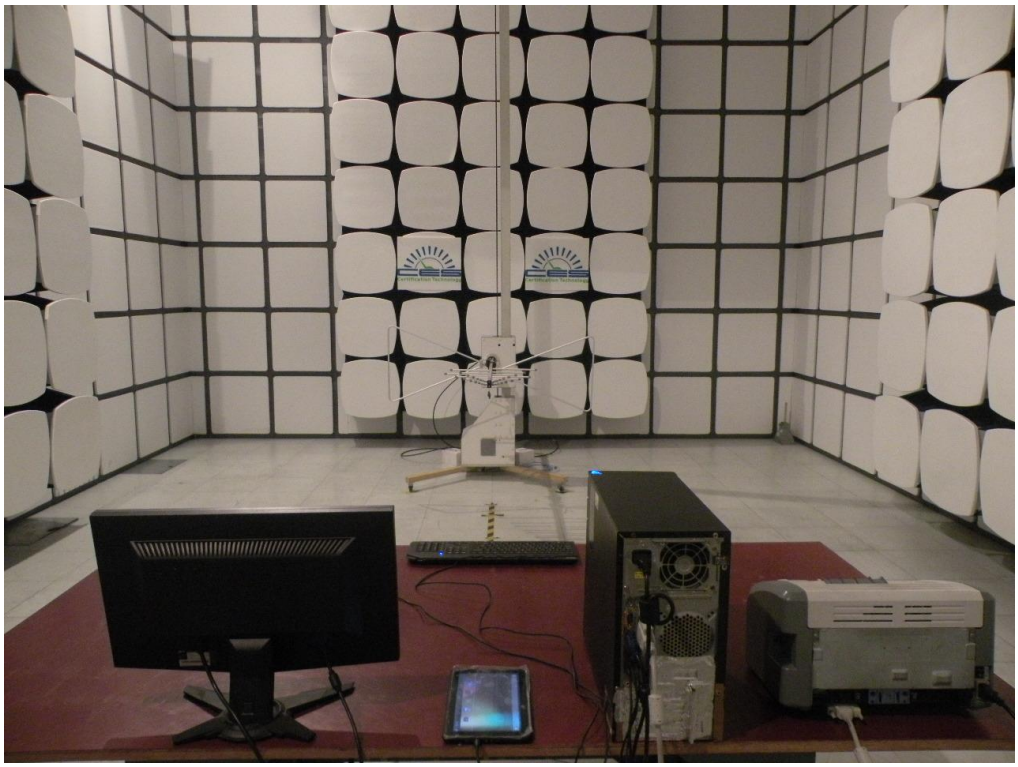
Remark:

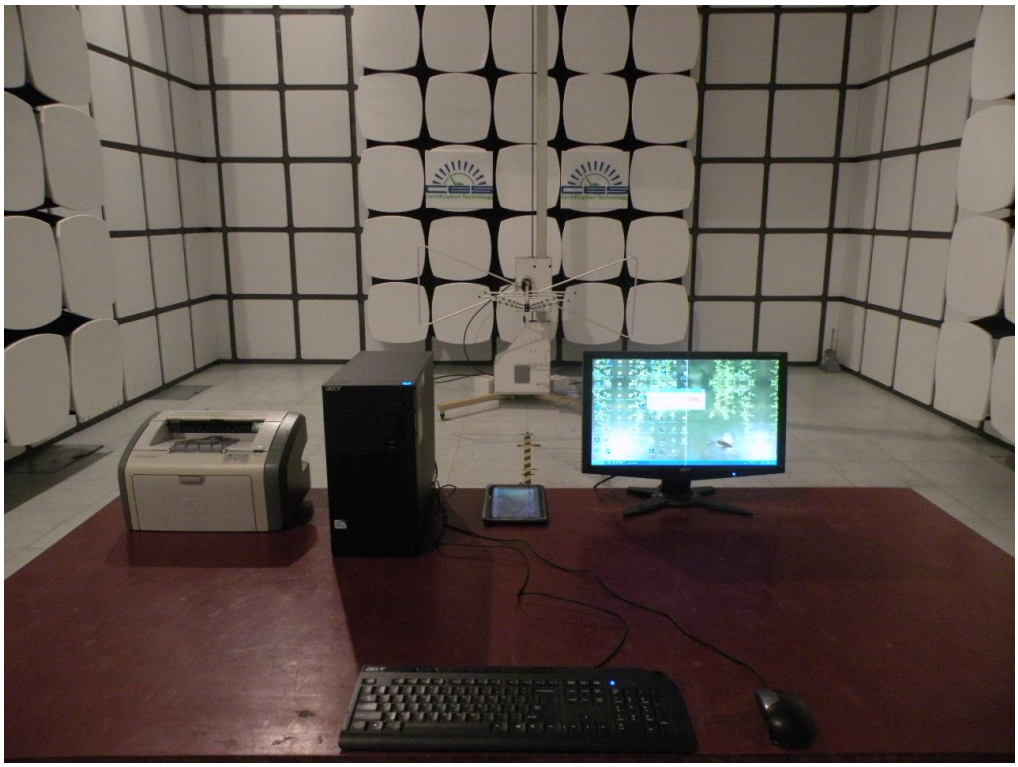
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



4. EUT TEST PHOTO

Radiated Measurement Photos





Conducted Measurement Photos(worst case position)