FCC 47 CFR PART 15 SUBPART B

Product Type	:	Rugged Tablet Computer
Applicant	:	AAEON CORPORATION
Address	:	5F, No. 135, Lane 235, Pao Chiao Rd.,Taiwan, ROC
Trade Name	:	AAEON
Model Number	:	xxxRTC-700y-TAxx-WBGz-xxxx
FCC ID	:	OHBRTC700RAWBGH
Test Specification	:	FCC 47 CFR PART 15 SUBPART B: Oct., 2013 ANSI C63.4: 2009
Receive Date	:	Sep. 15, 2014
Test Period	:	Nov. 07 ~ 12, 2014
Issue Date	:	Nov. 27, 2014

Issue by

A Test Lab Techno Corp.
No. 140-1, Changan Street, Bade City,
Taoyuan County 334, Taiwan R.O.C.
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Taiwan Accreditation Foundation accreditation number: 1330

Revision History

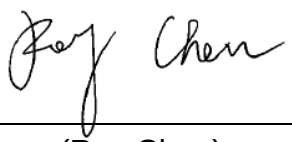
Rev.	Issue Date	Revisions	Revised By
00	Nov. 21, 2014	Initial Issue	
01	Nov. 27, 2014	Revised report information.	Nico Peng

Verification of Compliance

Issued Date: 11/27/2014

Product Type	:	Rugged Tablet Computer
Applicant	:	AAEON CORPORATION
Address	:	5F, No. 135, Lane 235, Pao Chiao Rd.,Taiwan, ROC
Trade Name	:	AAEON
Model Number	:	xxxRTC-700y-TAxx-WBGz-xxxx
FCC ID	:	OHBRTC700RAWBGH
EUT Rated Voltage	:	DC 12V, 2A
Test Voltage	:	120 Vac / 60 Hz
Applicable Standard	:	FCC 47 CFR PART 15 SUBPART B: Oct., 2013 ANSI C63.4: 2009
Test Result	:	Complied
Performing Lab.	:	A Test Lab Techno Corp. No. 140-1, Changan Street, Bade City, Taoyuan County 334, Taiwan R.O.C. Tel：+886-3-2710188 / Fax：+886-3-2710190 Taiwan Accreditation Foundation accreditation number: 1330 http://www.atl-lab.com.tw/e-index.htm

The above equipment has been tested by A Test Lab Techno Corp., 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	:		Reviewed By	:	
(Manager)		(Roy Chen)	(Testing Engineer)		(Frank Lin)

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1 General Information

1.1 Summary of Test Result

Emission			
Standard	Item	Result	Remark
FCC 47 CFR PART 15 SUBPART B ANSI C63.4	Conducted Emission	PASS	Meet Class B limit
FCC 47 CFR PART 15 SUBPART B ANSI C63.4	Radiated Emission	PASS	Meet Class B limit

The test results of this report relate only to the tested sample(s) identified in this report. Manufacturer or whom it may concern should recognize the pass or fail of the test result.

1.2 Measurement Uncertainty

Test Item	Frequency Range		Uncertainty (dB)
Conducted Emission	9kHz ~ 30MHz		± 2.02
Radiated Emission	30MHz ~ 1000MHz	Horizontal	± 3.98
		Vertical	± 3.62
	1000MHz ~ 18000MHz	Horizontal	± 3.11
		Vertical	± 3.07
	18000MHz ~ 40000MHz	Horizontal	± 3.66
		Vertical	± 3.54

2 EUT Description

Product Type	Rugged Tablet Computer
Trade Name	AAEON
Model Number	xxxRTC-700y-TAxx-WBGz-xxxx (x is for marketing purpose) 1. xxx=TF-(TF: Toxic Free) or blank 2. xx=SD (S: sunlight readable, D: Digitizer) or blank 3. xxxx=SW revision, ex: 1110=rev1, x:0~9 (y=R or A(R:Virgo,A:Aries)) (z is blank or H,blank means without 3G function;H means with 3G function)
FCC ID	OHBRTC700RAWBGH
Applicant	AAEON CORPORATION 5F, No. 135, Lane 235, Pao Chiao Rd.,Taiwan, ROC
Manufacturer	AAEON CORPORATION 5F, No. 135, Lane 235, Pao Chiao Rd.,Taiwan, ROC
Component	
Power Adapter	LTE, LTE24E-S2-2 I/P: 100-240VAC, 50/60Hz, 1A O/P: 12VDC, 2A Cable in: Non-Shielded, 1.8m, Detachable at Power Adaptor Cable out: Non-Shielded, 1.8m, Non-Detachable at Power Adaptor
Docking Station	AAEON, RDS-0310x((x - Where x may be any combination of alphanumeric characters or "-"or blank.) Four USB 2.0 /One RJ-45 jack for 10/100 Base-TX Ethernet/ One RS-232

I/O Port Description：

I/O Port Types	Q'TY	Test Description
1). LAN Port	1	Connected to Notebook
2). RS-232 Port	1	Connected to Terminal
3). USB Port	3	Connected to HDD
4). USB Port	1	Connected to Mouse
5). Card Reader Port	1	Connected to SD Card
6). DC Power Port	1	Connected to AC Adapter

3 Test Methodology

3.1. Decision of Test Mode

3.1.1. The following test mode(s) were scanned during the preliminary test:

Pre-Test Mode
Mode 1: WCDMA Band 2 + Bluetooth + Wi-Fi +GPS with AC Adapter Mode
Mode 2: WCDMA Band 5 + Bluetooth + Wi-Fi +GPS with AC Adapter Mode

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

Final Test Mode			
Emission	Conducted Emission		Mode 1
	Radiated Emission	Below 1GHz	Mode 1
		Above 1GHz	Mode 1

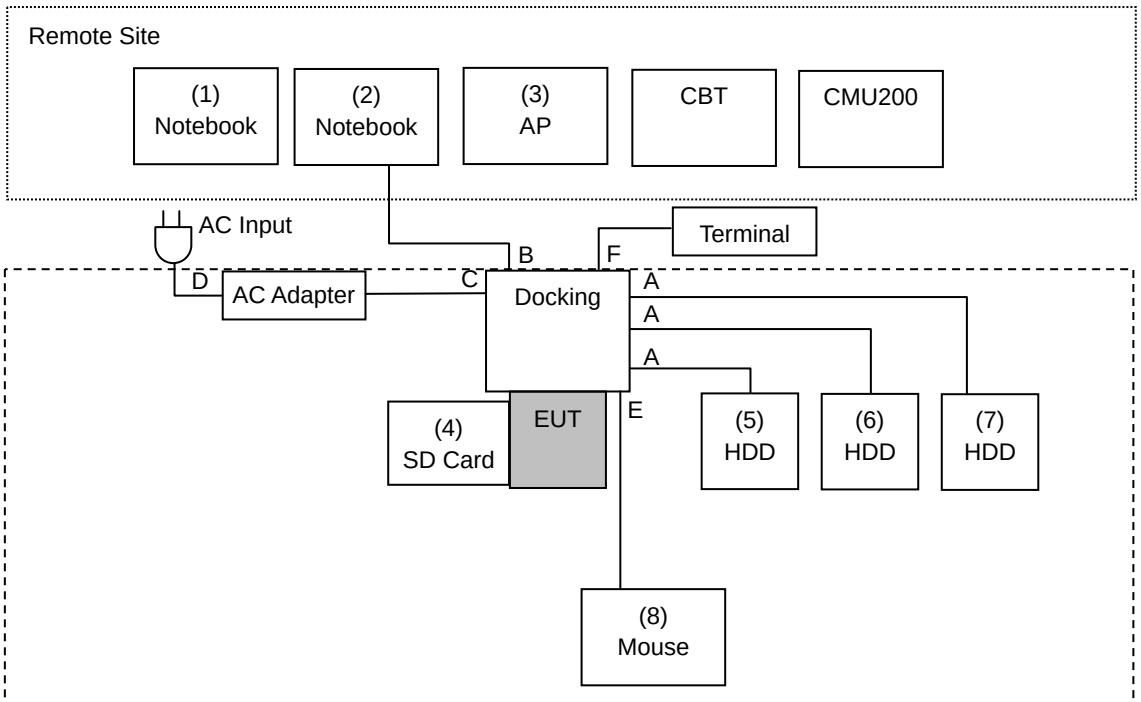
Then, the above highest emission mode of the configuration of the EUT and cable was chosen for all final test items.

3.2. EUT Exercise Software

1.	Setup the EUT and simulators as shown on 3.3.
2.	Turn on the power of all equipment.
3.	EUT link to CMU200.
4.	Turn on EUT's Bluetooth function and Link Bluetooth Tester (CBT).
5.	Turn on EUT's Wi-Fi function and Link AP.
6.	Turn on EUT's GPS function and Link Signal Generator (SMU200A).
7.	The EUT will start to operate function.
8.	Turn on the power of all equipment.

3.3. Configuration of Test System Details

Mode 1



Signal Cable Type		Signal Cable Description
A	USB Cable	Shielded, 1.5m
B	LAN Cable	Non-Shielded, 5.0m
C	DC Power Cable	Non-Shielded, 1.8m
D	AC Power Cable	Non-Shielded, 1.8m
E	USB Cable	Shielded, 1.8m
F	RS-232 Cable	Shielded, 1.8m

Devices Description					
Product		Manufacturer	Model Number	Serial Number	Power Cord
1.	Notebook	DELL	LAPTITU	25627158361	Non-Shielded, 2.0m
2.	Notebook	DELL	D531	GCDCD-T6HYQ-3MQ8R-JCPD3-3G8G2	Non-Shielded, 2.0m
3.	AP	Buffalo	WZR-HP-G300NH2	44066220302601	Non-Shielded, 1.8m
4.	SD Card	Transcend	N/A	N/A	N/A
5.	HDD	WD	My Passport	WX71E23KMK35	Power by EUT
6.	HDD	WD	My Passport	WX81AA3M6482	Power by EUT
7.	HDD	WD	My Passport	WX21A33S7013	Power by EUT
8.	Mouse	DELL	MOC5UO	I0S02OO9	Power by EUT

3.4. Test Site Environment

Items	Test Item	Required (IEC 60068-1)	Actual
Temperature (°C)	FCC part 15: 15.107 Conducted Emission	15-35	26
Humidity (%RH)		25-75	60
Barometric pressure (mbar)		860-1060	950
Temperature (°C)	FCC part 15: 15.109 Radiated Emission	15-35	26
Humidity (%RH)		25-75	60
Barometric pressure (mbar)		860-1060	950

4 Emission Test

4.1. Conducted Emission Measurement

4.1.1. Limit

A.C. Mains Conducted Interference Limit

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.

4.1.2. Test Instruments

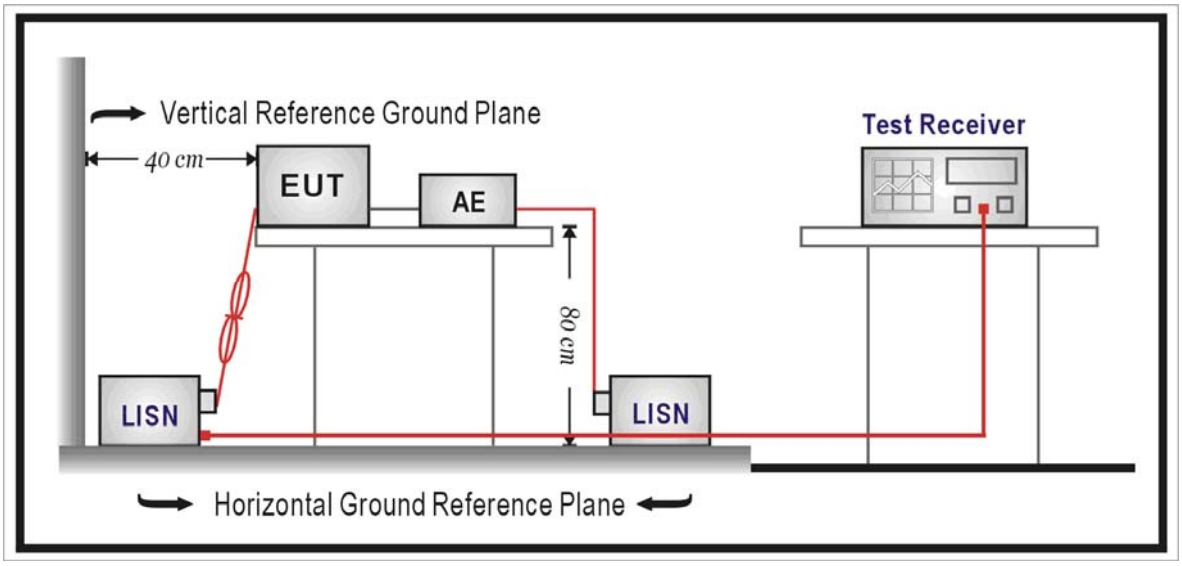
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
Test Receiver	R&S	ESCI	100367	06/12/2014	(1)
LISN	R&S	ENV216	101040	03/07/2014	(1)
LISN	R&S	ENV216	101041	03/07/2014	(1)
Test Site	ATL	TE02	TE02	N.C.R.	-----

Remark: (1) Calibration period 1 year. (2) Calibration period 2 years.

Note: N.C.R. = No Calibration Request.

4.1.3. Test Setup

A.C. mains setup



4.1.4. 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.

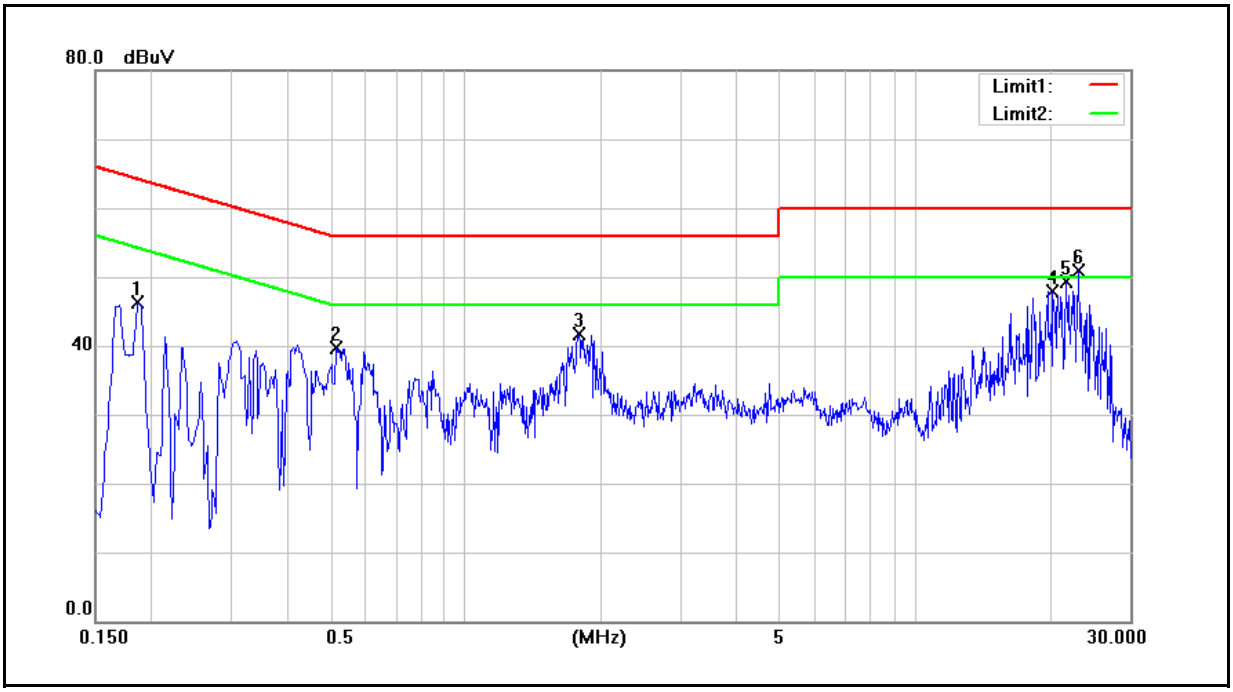
For A.C. mains conducted interference, measured both sides of A.C. lines and carried out using quasi-peak and average detector receivers of maximum conducted interference.

Conducted emissions were invested over the frequency range from 0.15 MHz to 30 MHz using a receiver bandwidth of 9 kHz. The equipment under test (EUT) shall be meet the limits in section 4.1.1, as applicable, including the average limit and the quasi-peak limit when using respectively, an average detector and quasi-peak detector measured in accordance with the methods described of related standard. The voltage limits shall be met. If the average limit is met when using a quasi-peak detector receiver, the EUT shall be deemed to meet both limits and measurement with the average detector receiver is unnecessary.

If the reading of the measuring receiver shows fluctuations close to the limit, the reading shall be observed for at least 15 s at each measurement frequency; the higher reading shall be recorded with the exception of any brief isolated high reading which shall be ignored.

4.1.5. Test Result

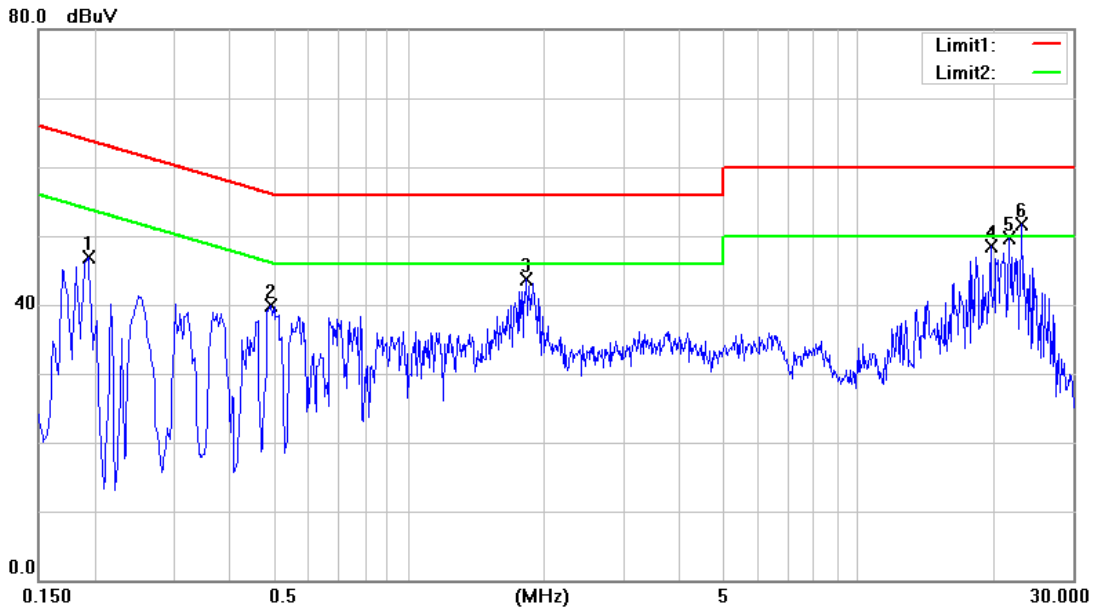
Standard:	FCC Part 15B	Line:	L1
Test item:	Conducted Emission	Power:	AC 120V/60Hz
Model Number:	TF-RTC-700R-TASD-WBGH-1110	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	1	Date:	11/07/2014
		Test By:	Frank Lin
Description:			



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1860	33.67	22.85	9.60	43.27	32.45	64.21	54.21	-20.94	-21.76	Pass
2	0.5140	26.48	13.61	9.62	36.10	23.23	56.00	46.00	-19.90	-22.77	Pass
3	1.7820	30.91	20.94	9.68	40.59	30.62	56.00	46.00	-15.41	-15.38	Pass
4	20.2580	37.05	34.79	10.25	47.30	45.04	60.00	50.00	-12.70	-4.96	Pass
5	21.6660	37.83	36.20	10.26	48.09	46.46	60.00	50.00	-11.91	-3.54	Pass
6	23.1300	41.01	39.43	10.27	51.28	49.70	60.00	50.00	-8.72	-0.30	Pass

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).
2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

Standard:	FCC Part 15B	Line:	N
Test item:	Conducted Emission	Power:	AC 120V/60Hz
Model Number:	TF-RTC-700R-TASD-WBGH-1110	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	1	Date:	11/07/2014
		Test By:	Frank Lin
Description:			



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1940	34.60	21.91	9.60	44.20	31.51	63.86	53.86	-19.66	-22.35	Pass
2	0.4940	27.98	18.70	9.62	37.60	28.32	56.10	46.10	-18.50	-17.78	Pass
3	1.8220	30.54	20.85	9.69	40.23	30.54	56.00	46.00	-15.77	-15.46	Pass
4	19.7100	36.80	34.20	10.24	47.04	44.44	60.00	50.00	-12.96	-5.56	Pass
5	21.6660	37.49	35.69	10.27	47.76	45.96	60.00	50.00	-12.24	-4.04	Pass
6	23.1300	40.55	39.45	10.28	50.83	49.73	60.00	50.00	-9.17	-0.27	Pass

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).
2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

4.1.6. Test Photograph

Test Mode: Mode 1

Description: Front View of Conducted Test

Test Mode: Mode 1

Description: Back View of Conducted Test

4.2. Radiated Interference Measurement

4.2.1. Limit

Under 1GHz test shall not exceed following value

FCC 47 CFR PART 15 SUBPART B				
Frequency range (MHz)	Class A		Class B	
	Distance (m)	dBuV/m	Distance (m)	dBuV/m
30 to 88	10	39	3	40
88 to 216	10	43.5	3	43.5
216 to 960	10	46.4	3	46
Above 960	10	49.5	3	54

CISPR 22				
Frequency range (MHz)	Class A		Class B	
	Distance (m)	dBuV/m	Distance (m)	dBuV/m
30 to 230	10	40	10	30
230 to 1000	10	47	10	37

Above 1GHz test shall not exceed following value

Frequency (MHz)	dBuV/m (Distance 3m)			
	Class A		Class B	
	Average	Peak	Average	Peak
1000 ~ 40000	60	80	54	74

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 RF Voltage (uV/m)
4. Peak detector limit is corresponding to 20 dB above the maximum permitted average limit.

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 in which the device operated 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

4.2.2. Test Instruments

10 Meter Chamber					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
Pre Amplifier	Agilent	8447D	2944A11120	01/10/2014	(1)
Pre Amplifier	Agilent	8447D	2944A11119	01/10/2014	(1)
Test Receiver	R&S	ESCI	100722	10/24/2014	(1)
Test Receiver	R&S	ESCI	101000	12/03/2013	(1)
Broadband Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB 9160	9160-3268	06/03/2014	(1)
Broadband Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB 9160	9160-3273	12/13/2013	(1)
Universal Radio Communication Tester	R&S	CMU200	109369	08/11/2014	(2)
Bluetooth Tester	R&S	CBT	100350	03/21/2013	(2)
Signal Generator	R&S	SMU200A	102598	04/24/2014	(1)
Test Site	ATL	TE06	TE06	08/09/2014	(1)

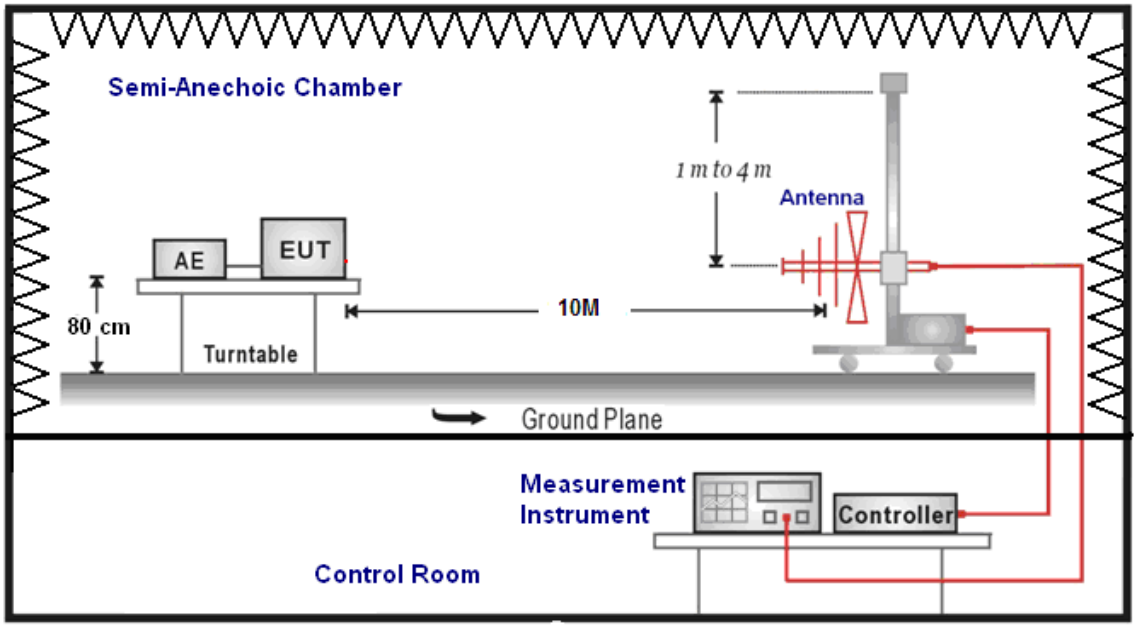
3 Meter Chamber (966-B)					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4445A	MY46181986	05/10/2014	(1)
Amplifier	EM	EM330	060545	11/18/2014	(1)
Amplifier	Mini-Circuits	ZVA-213-S+	467900926	05/26/2014	(1)
RF Pre-selector	Agilent	N9039A	MY46520255	05/10/2014	(1)
Horn Antenna (1~18GHz)	ETS-Lindgren	3117	00128055	08/21/2014	(1)
Horn Antenna (18~40GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	06/13/2014	(1)
Universal Radio Communication Tester	R&S	CMU200	109369	08/11/2014	(2)
Bluetooth Tester	R&S	CBT	100350	03/21/2013	(2)
Signal Generator	R&S	SMU200A	102598	04/24/2014	(1)
Test Site	ATL	TE09	TE09	05/05/2014	(1)

Remark: (1) Calibration period 1 year. (2) Calibration period 2 years.

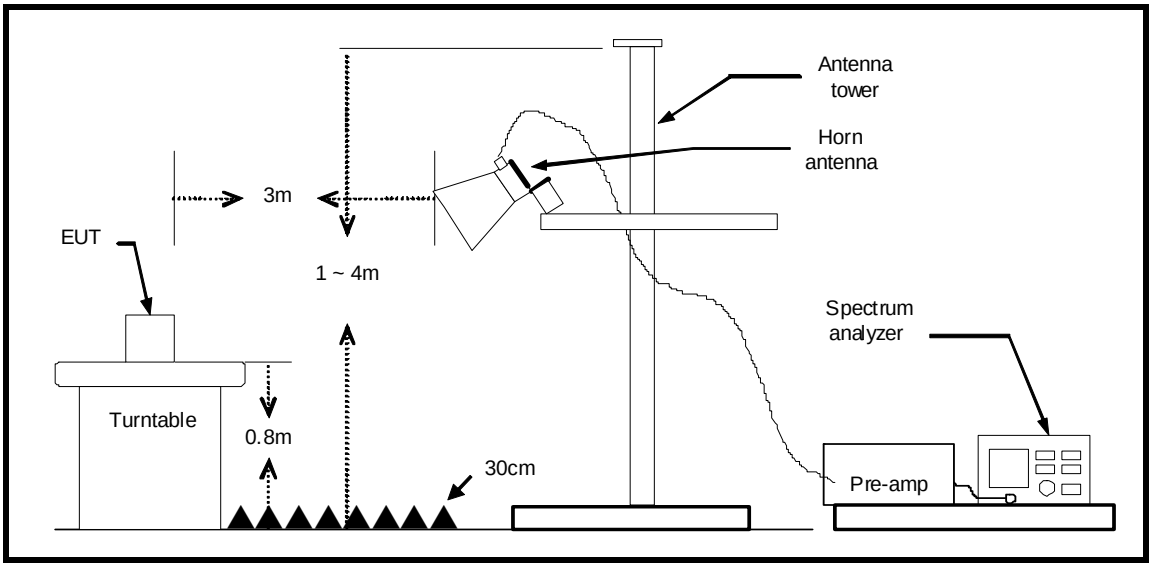
Note: N.C.R. = No Calibration Request.

4.2.3. Setup

Below 1GHz



Above 1GHz



4.2.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. When the EUT is floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.

The turn table can rotate 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 10 meters for under 1GHz, and 3 meter for above 1GHz, the highest frequency performed according to internal source frequency of the EUT, the specification was below:

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	5th harmonic of the highest frequency or 40 GHz, whichever is lower

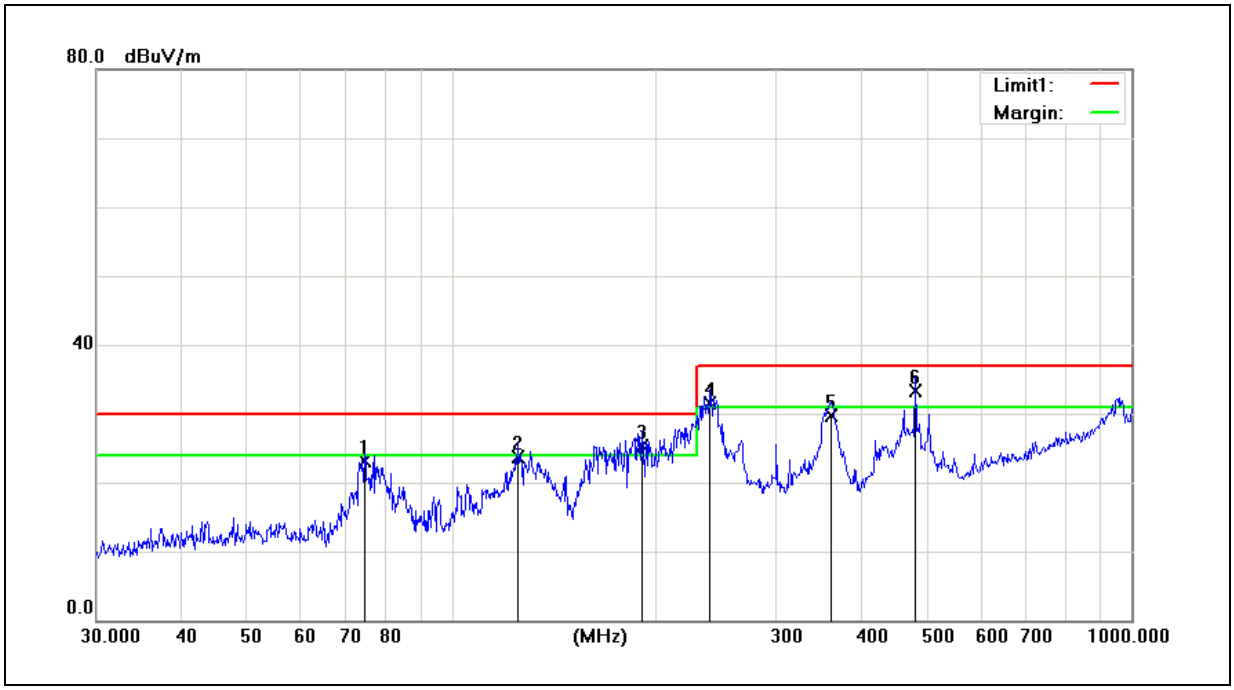
According to this standard paragraph 15.109, as an alternative to the radiated emission limits, digital devices may be shown to comply with the standards contained in Third Edition of the International Special Committee on Radio Interference (CISPR), Pub. 22, “Information Technology Equipment - Radio Disturbance Characteristics - Limits and Methods of Measurement”.

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.

Radiated emissions were invested over the frequency range from 30MHz to1GHz using a receiver bandwidth of 120 kHz. Radiated was performed at an antenna to EUT distance of 10 meters.

4.2.5. Test Result

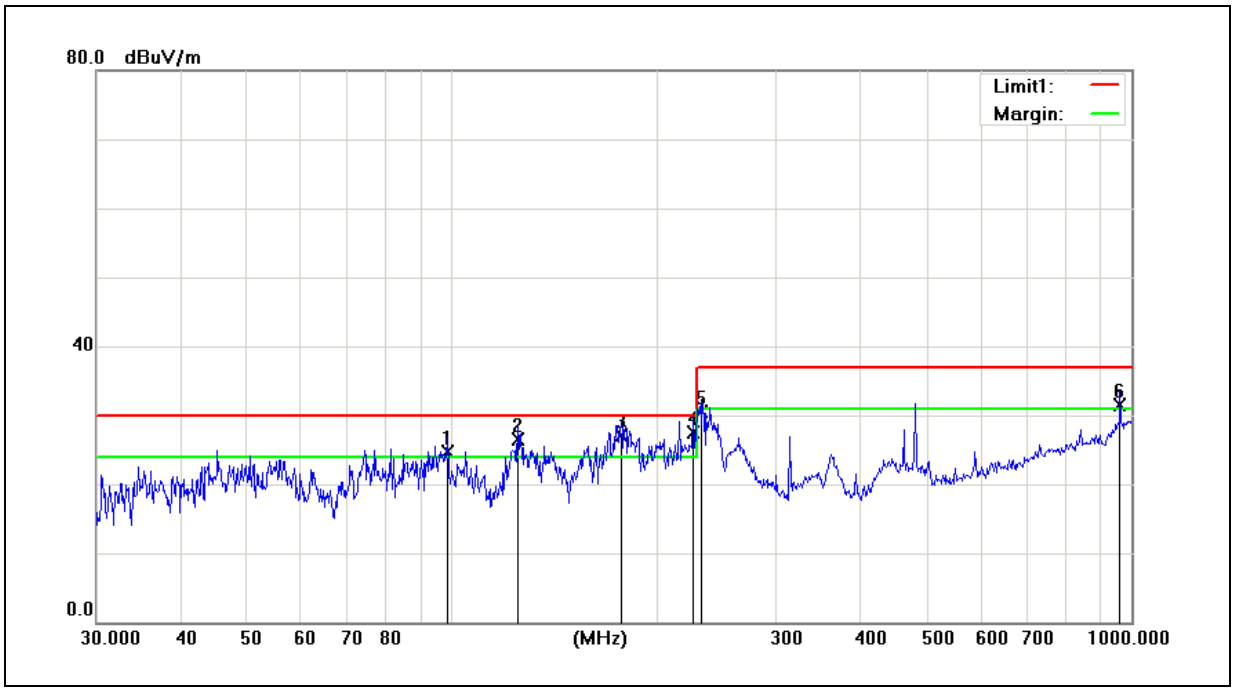
Standard:	CISPR 22	Test Distance:	10m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	TF-RTC-700R-TASD-WBGH-1110	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	1	Date:	11/10/2014
Ant.Polar.:	Horizontal	Test By:	Frank Lin



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)	Remark
1	74.3953	40.22	-17.02	23.20	30.00	-6.80	400	213	QP
2	125.0066	37.65	-13.95	23.70	30.00	-6.30	200	17	QP
3	190.4050	40.35	-14.95	25.40	30.00	-4.60	300	64	QP
4	239.9874	44.50	-12.90	31.60	37.00	-5.40	300	155	QP
5	361.7140	39.07	-9.37	29.70	37.00	-7.30	200	250	QP
6	480.5276	39.72	-6.42	33.30	37.00	-3.70	100	39	QP

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).
2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

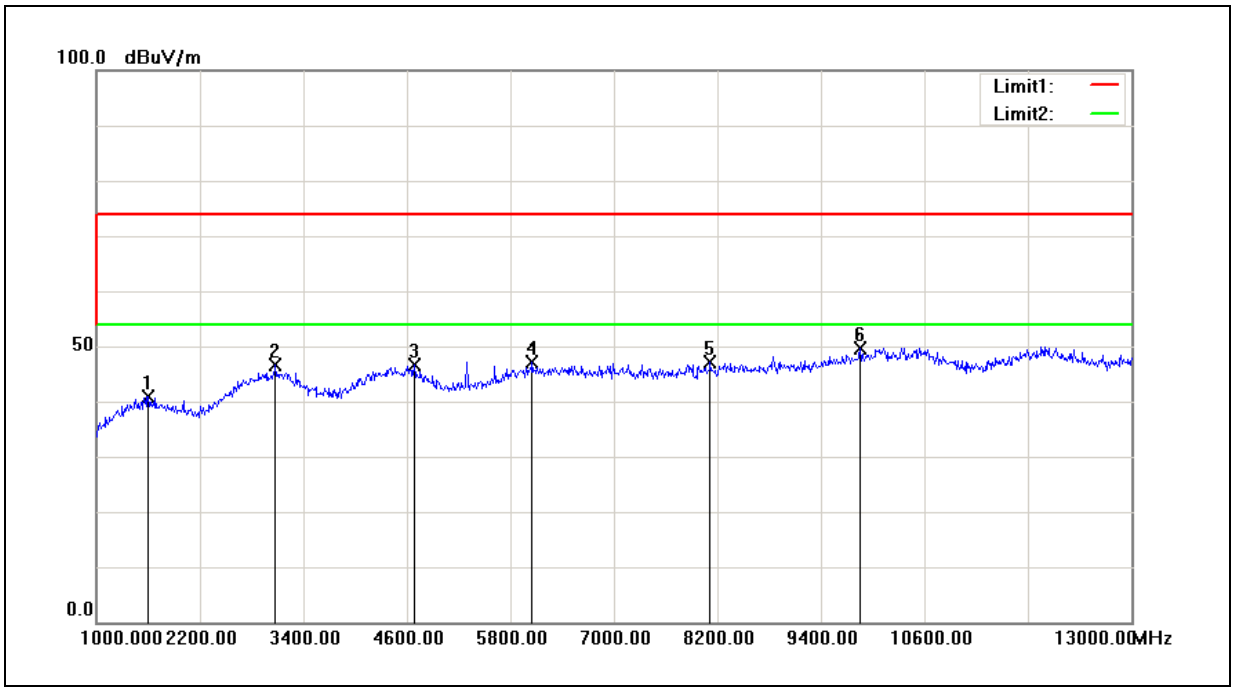
Standard:	CISPR 22	Test Distance:	10m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	TF-RTC-700R-TASD-WBGH-1110	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	1	Date:	11/10/2014
Ant.Polar.:	Vertical	Test By:	Frank Lin



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)	Remark
1	98.4865	41.61	-16.81	24.80	30.00	-5.20	100	231	QP
2	125.0066	39.83	-13.33	26.50	30.00	-3.50	200	15	QP
3	177.5090	39.69	-12.59	27.10	30.00	-2.90	100	221	QP
4	226.8934	40.88	-13.28	27.60	30.00	-2.40	300	91	QP
5	232.5318	43.42	-12.82	30.60	37.00	-6.40	200	44	QP
6	962.1621	26.25	5.35	31.60	37.00	-5.40	200	221	QP

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).
2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

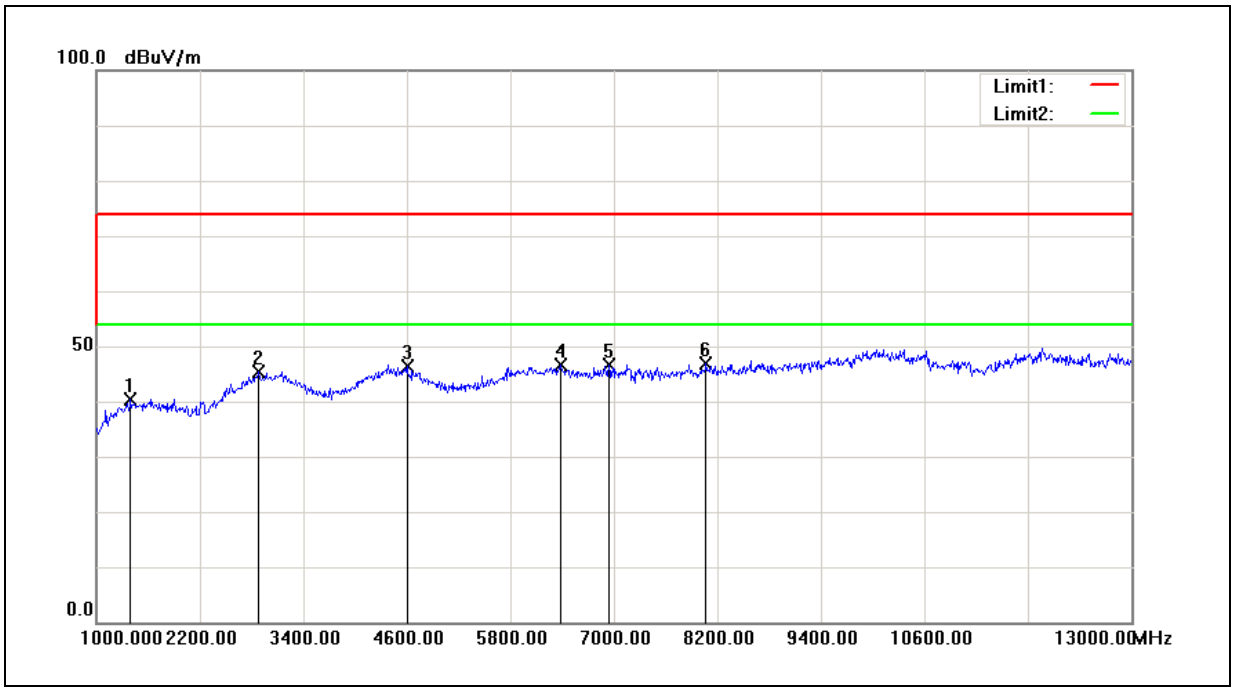
Standard:	FCC Part 15B	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	TF-RTC-700R-TASD-WBGH-1110	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	1 (1GHz~13GHz)	Date:	11/10/2014
Ant.Polar.:	Horizontal	Test By:	Frank Lin



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1600.000	65.33	-24.36	40.97	74.00	-33.03	peak
2	3076.000	65.10	-18.56	46.54	74.00	-27.46	peak
3	4684.000	62.23	-15.71	46.52	74.00	-27.48	peak
4	6052.000	60.79	-13.74	47.05	74.00	-26.95	peak
5	8116.000	58.94	-11.92	47.02	74.00	-26.98	peak
6	9856.000	58.41	-8.86	49.55	74.00	-24.45	peak

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).
2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

Standard:	FCC Part 15B	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	TF-RTC-700R-TASD-WBGH-1110	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	1 (1GHz~13GHz)	Date:	11/10/2014
Ant.Polar.:	Vertical	Test By:	Frank Lin



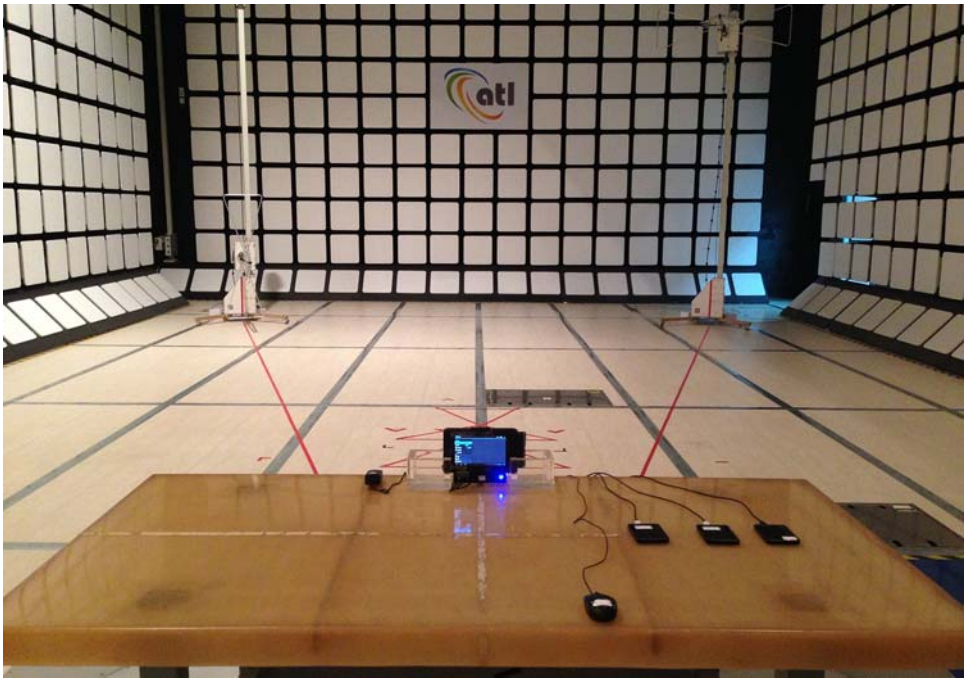
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1396.000	65.74	-25.27	40.47	74.00	-33.53	peak
2	2884.000	64.25	-18.91	45.34	74.00	-28.66	peak
3	4600.000	62.18	-15.69	46.49	74.00	-27.51	peak
4	6376.000	59.99	-13.48	46.51	74.00	-27.49	peak
5	6940.000	59.30	-12.64	46.66	74.00	-27.34	peak
6	8068.000	58.75	-11.97	46.78	74.00	-27.22	peak

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).
2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

4.2.6. Test Photograph

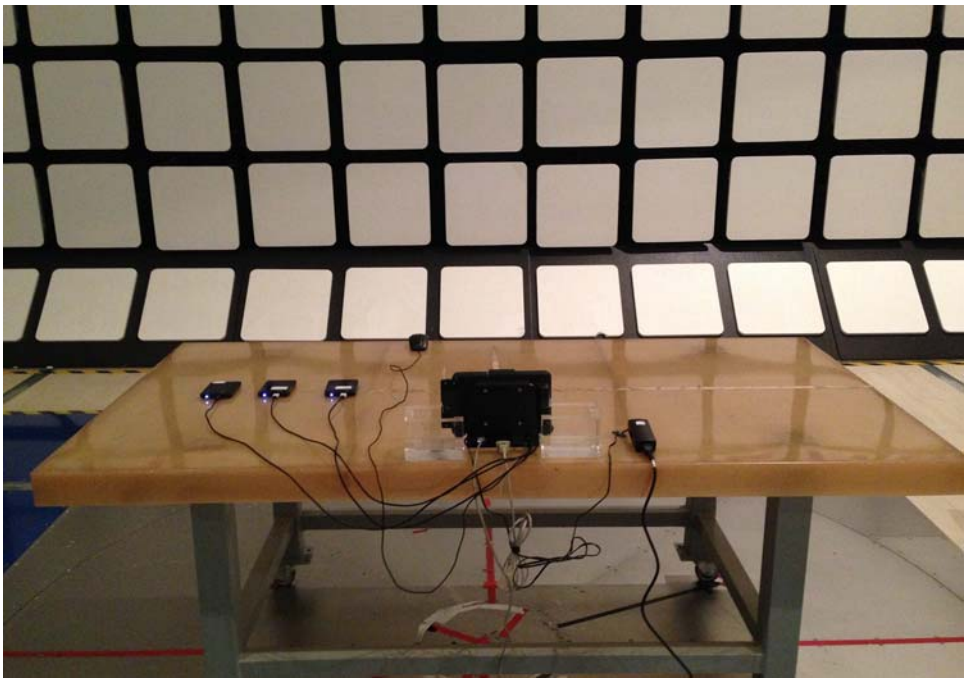
Test Mode: Mode 1

Description: Front View of Radiated Emission Test _ Below 1GHz



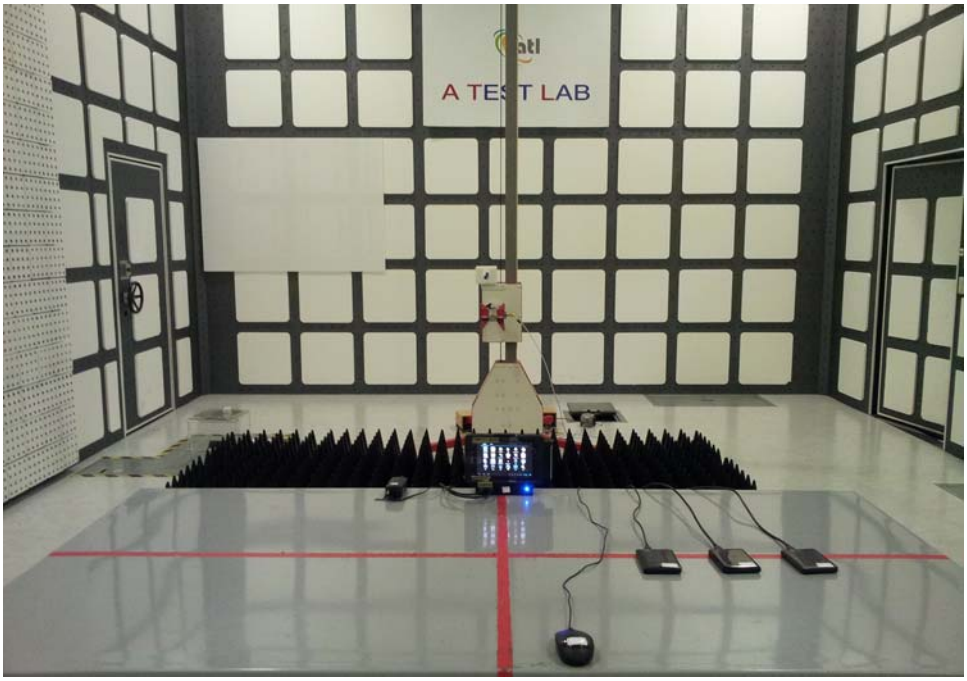
Test Mode: Mode 1

Description: Back View of Radiated Emission Test _ Below 1GHz



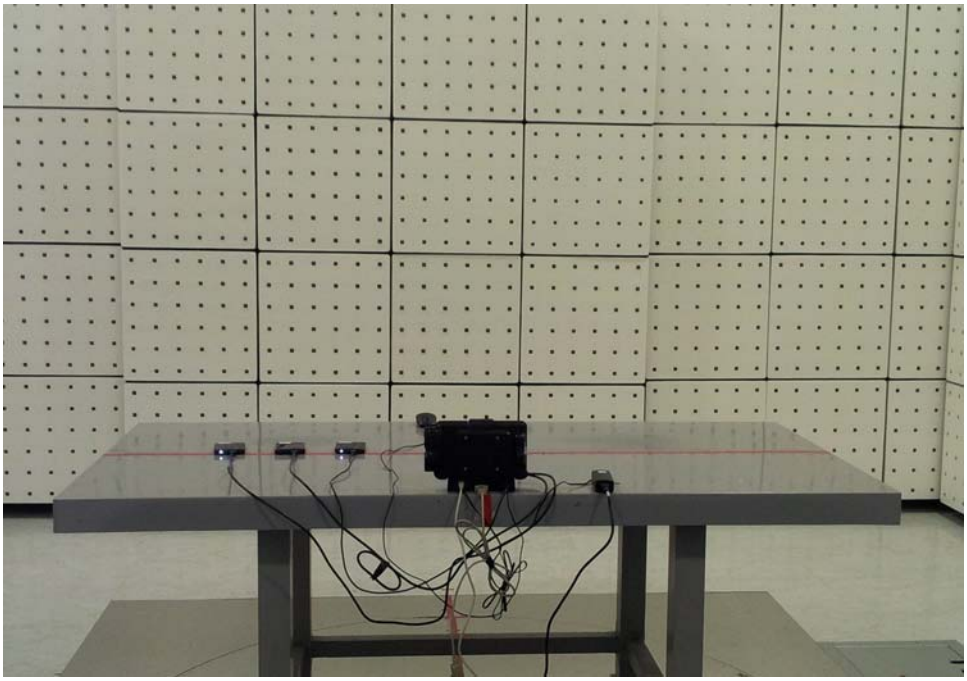
Test Mode: Mode 1

Description: Front View of Radiated Emission Test _ Above 1GHz



Test Mode: Mode 1

Description: Back View of Radiated Emission Test _ Above 1GHz



5 EUT Photograph

(1) EUT Photo

(2) EUT Photo

(3) EUT Photo

(4) EUT Photo

(5) EUT Photo

(6) EUT Photo

(7) EUT Photo

(8) EUT Photo

(9) EUT Photo

(10)EUT Photo

(11)EUT Photo

(12)EUT Photo

(13)EUT Photo

(14)EUT Photo

(15)EUT Photo

(16)EUT Photo