



# Partial FCC RF Test Report

**APPLICANT** : DT Research Inc.  
**EQUIPMENT** : WLAN Module  
**BRAND NAME** : DT Research Inc.  
**MODEL NAME** : 600C  
**FCC ID** : YE3600C  
**STANDARD** : FCC Part 15 Subpart E §15.407  
**CLASSIFICATION** : (NII) Unlicensed National Information Infrastructure

The product was received on Oct. 03, 2014 and testing was completed on Nov. 16, 2014. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

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Reviewed by: Joseph Lin / Supervisor

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Approved by: Jones Tsai / Manager



## **SPORTON INTERNATIONAL INC.**

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FCC ID : YE3600C

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## REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR491670-01D	Rev. 01	Initial issue of report	Jan. 21, 2014



## SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 14.30 dB at 0.374 MHz

# 1 General Description

## 1.1 Applicant

**DT Research Inc.**

6F, NO. 1, NingPo E. St., Taipei, 100 Taiwan, R.O.C.

## 1.2 Manufacturer

**DT Research Inc.**

6F, NO. 1, NingPo E. St., Taipei, 100 Taiwan, R.O.C.

## 1.3 Feature of Equipment Under Test

Product Feature	
Equipment	WLAN Module
Brand Name	DT Research Inc.
Model Name	600C
FCC ID	YE3600C
installed Mobile Tablet	Brand Name: DT Research Inc. Model Name: DT398H
EUT supports Radios application	CDMA/EV-DO/LTE WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth v4.0 EDR/LE
EUT Stage	Production Unit

**Remark:** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.



## 1.4 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
Tx/Rx Channel Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5700 MHz
Maximum Output Power	<b>&lt;5180 MHz ~ 5240 MHz&gt;</b> <b>&lt;Ant. 1&gt;</b> 802.11a : 15.42 dBm / 0.0348 W <b>SISO &lt;Ant. Port 1&gt;</b> 802.11n HT20 : 15.28 dBm / 0.0337 W 802.11n HT40 : 15.28 dBm / 0.0337 W 802.11ac VHT20: 15.27 dBm / 0.0337 W 802.11ac VHT40: 15.25 dBm / 0.0335 W 802.11ac VHT80: 7.94 dBm / 0.0063 W <b>&lt;Ant. 2&gt;</b> 802.11a : 15.46 dBm / 0.0352 W <b>SISO &lt;Ant. Port 2&gt;</b> 802.11n HT20 : 15.45 dBm / 0.0351 W 802.11n HT40 : 15.61 dBm / 0.0364 W 802.11ac VHT20: 15.40 dBm / 0.0347 W 802.11ac VHT40: 15.50 dBm / 0.0355 W 802.11ac VHT80: 7.64 dBm / 0.0058 W <b>MIMO &lt;Ant. Port 1 + 2&gt;</b> 802.11n HT20 : 13.15 dBm / 0.0207 W 802.11n HT40 : 12.29 dBm / 0.0169 W 802.11ac VHT20: 13.08 dBm / 0.0203 W 802.11ac VHT40: 12.25 dBm / 0.0168 W 802.11ac VHT80: 6.45 dBm / 0.0044 W <b>&lt;5260 MHz ~ 5320 MHz&gt;</b> <b>&lt;Ant. 1&gt;</b> 802.11a : 15.20 dBm / 0.0331 W <b>SISO &lt;Ant. Port 1&gt;</b> 802.11n HT20 : 15.55 dBm / 0.0359 W 802.11n HT40 : 11.24 dBm / 0.0133 W 802.11ac VHT20: 15.37 dBm / 0.0344 W 802.11ac VHT40: 11.20 dBm / 0.0132 W 802.11ac VHT80: 10.79 dBm / 0.0120 W <b>&lt;Ant. 2&gt;</b> 802.11a : 15.34 dBm / 0.0342 W <b>SISO &lt;Ant. Port 2&gt;</b> 802.11n HT20 : 15.12 dBm / 0.0325 W 802.11n HT40 : 11.13 dBm / 0.0130 W 802.11ac VHT20: 15.13 dBm / 0.0326 W 802.11ac VHT40: 10.87 dBm / 0.0122 W 802.11ac VHT80: 10.14 dBm / 0.0103 W <b>MIMO &lt;Ant. Port 1 + 2&gt;</b> 802.11n HT20 : 13.56 dBm / 0.0227 W 802.11n HT40 : 9.14 dBm / 0.0082 W 802.11ac VHT20: 13.49 dBm / 0.0223 W 802.11ac VHT40: 9.07 dBm / 0.0081 W 802.11ac VHT80: 8.75 dBm / 0.0075 W

Product Specification subjective to this standard			
Maximum Output Power	<5500 MHz ~ 5700 MHz> <Ant. 1> 802.11a : 16.30 dBm / 0.0427 W SISO <Ant. Port 1> 802.11n HT20 : 16.36 dBm / 0.0433 W 802.11n HT40 : 16.45 dBm / 0.0442 W 802.11ac VHT20: 16.35 dBm / 0.0432 W 802.11ac VHT40: 16.44 dBm / 0.0441 W 802.11ac VHT80: 8.74 dBm / 0.0075 W <Ant. 2> 802.11a : 16.19 dBm / 0.0416 W SISO <Ant. Port 2> 802.11n HT20 : 16.15 dBm / 0.0412 W 802.11n HT40 : 16.29 dBm / 0.0426 W 802.11ac VHT20: 15.95 dBm / 0.0394 W 802.11ac VHT40: 16.18 dBm / 0.0415 W 802.11ac VHT80: 8.70 dBm / 0.0074 W MIMO <Ant. Port 1 + 2> 802.11n HT20 : 13.00 dBm / 0.0200 W 802.11n HT40 : 16.37 dBm / 0.0434 W 802.11ac VHT20: 12.94 dBm / 0.0197 W 802.11ac VHT40: 16.34 dBm / 0.0431 W 802.11ac VHT80: 9.69 dBm / 0.0093 W		
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)		
Antenna Type	Main Antenna : PIFA_UP Antenna Aux. Antenna : PIFA_D Antenna		
Antenna Gain	<5180 MHz ~ 5240 MHz> Main Antenna : 1.77 dBi Aux. Antenna : 2.18 dBi <5250 MHz ~ 5350 MHz> Main Antenna : 2.55 dBi Aux. Antenna : 1.92 dBi <5500 MHz ~ 5700 MHz> Main Antenna : 1.60 dBi Aux. Antenna : 3.23 dBi		
Antenna Function Description		Chain Port 1	Chain Port 2
	802.11 a	V	V
	802.11 n/ac SISO	V	V
	802.11 n/ac MIMO	V	V

## 1.5 Modification of EUT

No modifications are made to the EUT during all test items.

## 1.6 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1022 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

<b>Test Site</b>	SPORTON INTERNATIONAL INC.	
<b>Test Site Location</b>	No. 52, Hwa Ya 1 <sup>st</sup> Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978	
<b>Test Site No.</b>	<b>Sporton Site No.</b>	
	TH02-HY	CO05-HY

**Note:** The test site complies with ANSI C63.4 2009 requirement.

## 1.7 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v01
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ FCC KDB 644545 D03 Guidance for IEEE 802 11ac New Rules v01
- ♦ ANSI C63.10-2009

### Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.





## **2 Test Configuration of Equipment Under Test**

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conducted emission (150 kHz to 30 MHz).

The final configuration from all the combinations and the worst-case data rates were investigated by measuring the maximum power across all the data rates and modulation modes under section 2.2.

Based on the worst configuration found above, the RF power setting is set individually to meet FCC compliance limit for the final conducted and radiated tests shown in section 2.3.



## 2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	<b>38</b>	<b>5190</b>	<b>46</b>	<b>5230</b>
	40	5200	48	5240
	42	5210		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	<b>54</b>	<b>5270</b>	<b>62</b>	<b>5310</b>
	56	5280	64	5320
	58	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	<b>102</b>	<b>5510</b>	116	5580
	104	5520	132	5660
	106	5530	<b>134</b>	<b>5670</b>
	108	5540	136	5680
	<b>110</b>	<b>5550</b>	140	5700

**Note:** The above Frequency and Channel in boldface were 802.11n HT40.



## 2.2 Pre-Scanned RF Power

Preliminary tests were performed in different data rate and data rate associated with the highest power were chosen for full test in the following tables. Final Output Power equals to Measured Output Power adds the duty factor.

<Ant. 1>

5GHz 802.11a mode								
Data Rate (MHz)	6M bps	9M bps	12M bps	18M bps	24M bps	36M bps	48M bps	54M bps
Average Power (dBm)	16.30	16.27	16.25	16.22	16.23	16.27	16.21	16.26

SISO <Ant. Port 1>

5GHz 802.11n HT20 mode								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Average Power (dBm)	16.36	16.22	16.25	16.18	16.26	16.28	16.20	16.25

5GHz 802.11n HT40 mode								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Average Power (dBm)	16.45	16.41	16.42	16.38	16.41	16.36	16.31	16.40

5GHz 802.11ac VHT20 mode									
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8
Average Power (dBm)	16.35	16.20	16.32	16.24	16.26	16.29	16.22	16.23	16.21

5GHz 802.11ac VHT40 mode										
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9
Average Power (dBm)	16.44	16.40	16.34	16.33	16.39	16.43	16.42	16.37	16.36	16.34

5GHz 802.11ac VHT80 mode										
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9
Average Power (dBm)	10.79	10.70	10.78	10.76	10.72	10.68	10.63	10.61	10.62	10.69



## &lt;Ant. 2&gt;

5GHz 802.11a mode								
Data Rate (MHz)	6M bps	9M bps	12M bps	18M bps	24M bps	36M bps	48M bps	54M bps
Average Power (dBm)	16.19	16.16	16.13	16.15	16.09	16.12	16.17	16.15

## SISO &lt;Ant. Port 2&gt;

5GHz 802.11n HT20 mode								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Average Power (dBm)	16.15	16.08	16.06	16.14	16.11	16.10	16.01	16.12

5GHz 802.11n HT40 mode								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Average Power (dBm)	16.29	16.15	16.27	16.25	16.28	16.25	16.18	16.21

5GHz 802.11ac VHT20 mode									
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8
Average Power (dBm)	15.95	15.86	15.93	15.90	15.86	15.82	15.80	15.88	15.82

5GHz 802.11ac VHT40 mode										
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9
Average Power (dBm)	16.18	16.10	16.17	16.16	16.05	16.17	16.05	16.09	16.15	16.13

5GHz 802.11ac VHT80 mode										
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9
Average Power (dBm)	10.14	10.09	10.06	10.12	10.05	9.91	10.10	10.00	9.92	10.04

**MIMO <Ant. 1+2>**

5GHz 802.11n HT20 mode								
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7
Average Power (dBm)	13.56	13.48	13.53	13.51	13.52	13.50	13.39	13.45

5GHz 802.11n HT40 mode								
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7
Average Power (dBm)	16.36	16.33	16.37	16.26	16.34	16.32	16.34	16.32

5GHz 802.11ac VHT20 mode									
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8
Average Power (dBm)	13.49	13.43	13.44	13.42	13.27	13.35	13.38	13.41	13.39

5GHz 802.11ac VHT40 mode										
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9
Average Power (dBm)	16.34	16.29	16.27	16.29	16.26	16.24	16.15	16.13	16.25	16.23

5GHz 802.11ac VHT80 mode										
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9
Average Power (dBm)	9.69	9.61	9.66	9.66	9.66	9.62	9.57	9.51	9.52	9.66

**Note:** MIMO Ant. 1+2 is a calculated result from sum of the power MIMO Ant. 1 and MIMO Ant. 2.

## 2.3 Test Mode

Final results of test modes, data rates and test channels are shown as following table.

Test Cases				
Conducted TCs	Test Items	Mode	Data rate	Test Channel
	Output Power	802.11a	6 Mbps	L/M/H
		802.11n HT20	MCS0/ MCS8	L/M/H
		802.11n HT40	MCS0/ MCS8	L/M/H
		802.11ac VHT20	MCS0	L/M/H
		802.11ac VHT40	MCS0	L/M/H
		802.11ac VHT80	MCS0	M
AC Conducted Emission	Mode 1 : CDMA2000 BC0 Idle + Bluetooth Link + WLAN (5GHz) Link + e-SATA HDD + USB Cable (Charging from Adapter) + H-Pattern + MPEG4 + Camera + Smart Card + SD Card + Earphone			



Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134



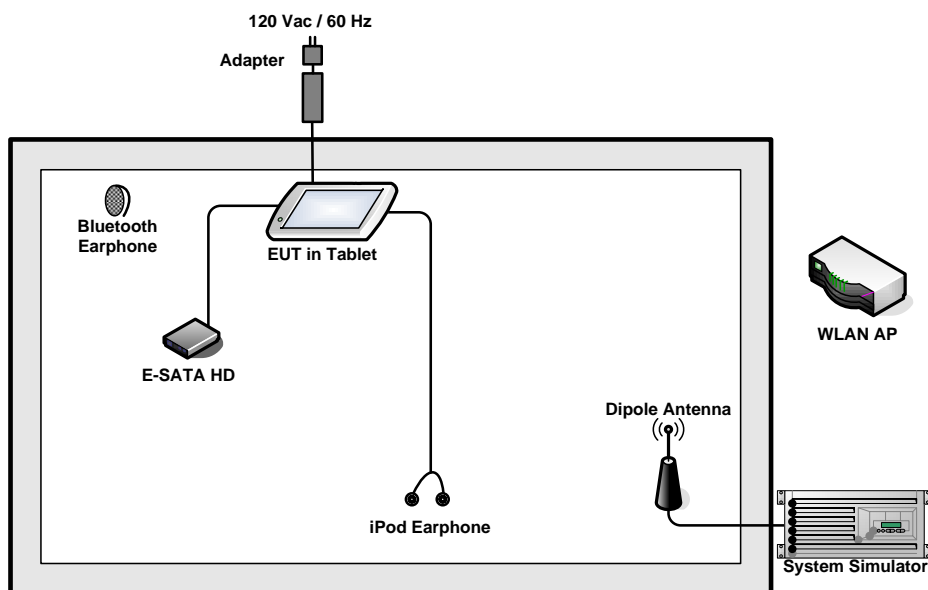
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT20	802.11ac VHT20	802.11ac VHT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT40	802.11ac VHT40	802.11ac VHT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	-
M	Middle	42	58	106
H	High	-	-	-



## 2.4 Connection Diagram of Test System



## 2.5 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	R&S	CMW 500	N/A	N/A	Unshielded, 1.8 m
3.	WLAN AP	D-Link	DIR-628	KA2DIR628A2	N/A	Unshielded, 1.8 m
4.	eSATA	FREECOM	SSYBBA	FCC DoC	Shielded, 0.5m	Unshielded, 1.8 m
5.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A
6.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
7.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A
8.	Smart Card	N/A	N/A	N/A	N/A	N/A
9.	Adapter	EDAC	EA11003F-190	N/A	N/A	Unshielded, 1.2 m

### 3 Test Result

#### 3.1 AC Conducted Emission Measurement

##### 3.1.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

\*Decreases with the logarithm of the frequency.

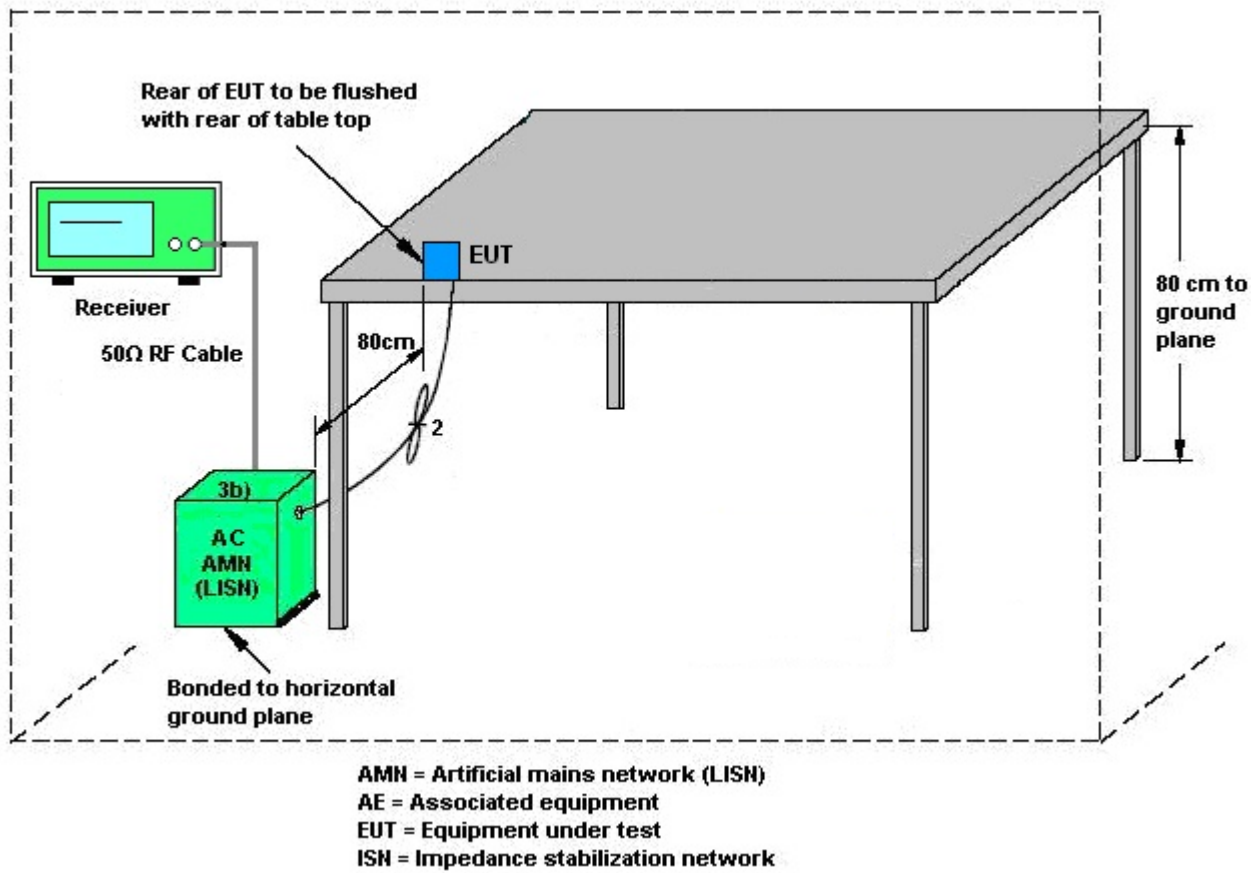
##### 3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

##### 3.1.3 Test Procedures

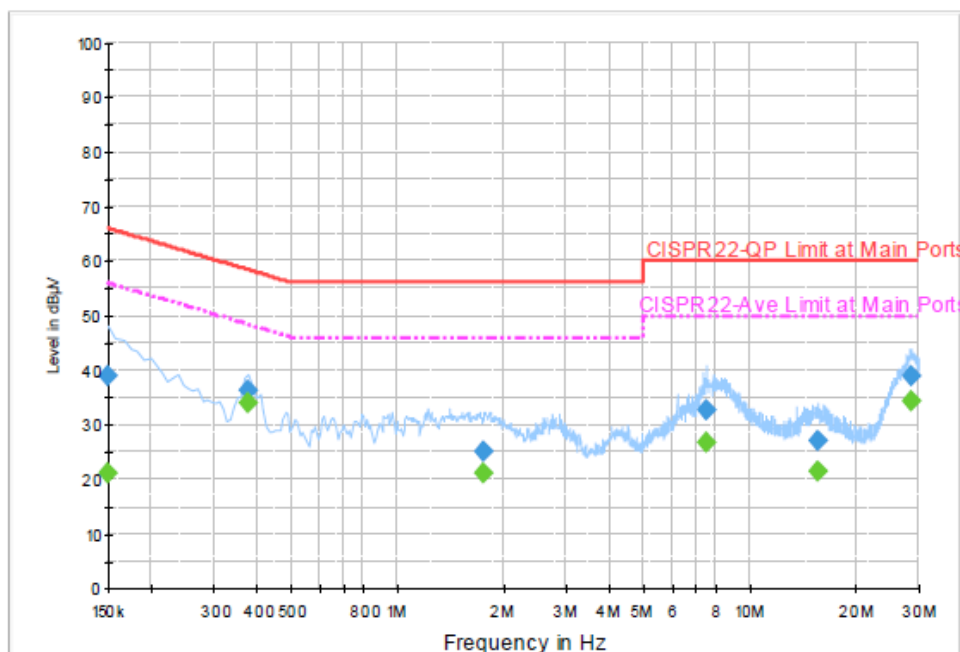
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

### 3.1.4 Test Setup



### 3.1.5 Test Result of AC Conducted Emission

<b>Test Mode :</b>	Mode 1	<b>Temperature :</b>	20~22℃
<b>Test Engineer :</b>	Kai-Chun Chu	<b>Relative Humidity :</b>	46~48%
<b>Test Voltage :</b>	120Vac / 60Hz	<b>Phase :</b>	Line
<b>Function Type :</b>	CDMA2000 BC0 Idle + Bluetooth Link + WLAN (5GHz) Link + e-SATA HDD + USB Cable (Charging from Adapter) + H-Pattern + MPEG4 + Camera + Smart Card + SD Card + Earphone		



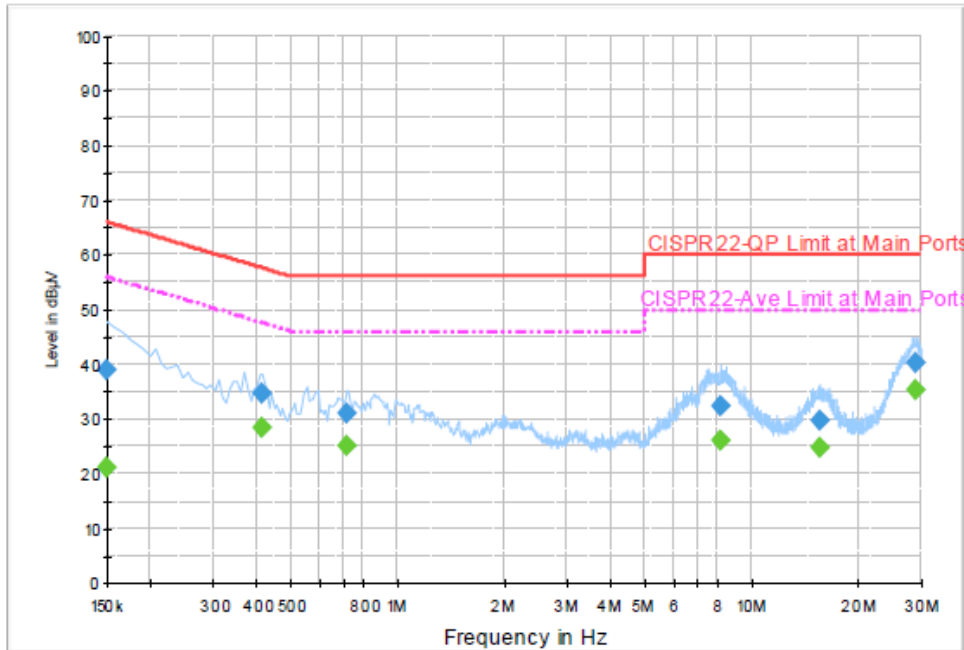
#### Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	39.1	Off	L1	19.4	26.9	66.0
0.374000	36.3	Off	L1	19.5	22.1	58.4
1.750000	25.1	Off	L1	19.6	30.9	56.0
7.526000	32.5	Off	L1	19.6	27.5	60.0
15.566000	27.0	Off	L1	19.9	33.0	60.0
28.470000	39.0	Off	L1	20.1	21.0	60.0

#### Final Result : Average

Frequency (MHz)	Average (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	21.2	Off	L1	19.4	34.8	56.0
0.374000	34.1	Off	L1	19.5	14.3	48.4
1.750000	21.2	Off	L1	19.6	24.8	46.0
7.526000	26.8	Off	L1	19.6	23.2	50.0
15.566000	21.6	Off	L1	19.9	28.4	50.0
28.470000	34.3	Off	L1	20.1	15.7	50.0

<b>Test Mode :</b>	Mode 1	<b>Temperature :</b>	20~22°C
<b>Test Engineer :</b>	Kai-Chun Chu	<b>Relative Humidity :</b>	46~48%
<b>Test Voltage :</b>	120Vac / 60Hz	<b>Phase :</b>	Neutral
<b>Function Type :</b>	CDMA2000 BC0 Idle + Bluetooth Link + WLAN (5GHz) Link + e-SATA HDD + USB Cable (Charging from Adapter) + H-Pattern + MPEG4 + Camera + Smart Card + SD Card + Earphone		


**Final Result : QuasiPeak**

Frequency (MHz)	QuasiPeak (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	39.0	Off	N	19.4	27.0	66.0
0.414000	34.6	Off	N	19.5	23.0	57.6
0.718000	31.0	Off	N	19.5	25.0	56.0
8.166000	32.2	Off	N	19.7	27.8	60.0
15.614000	29.8	Off	N	19.9	30.2	60.0
28.862000	40.3	Off	N	20.2	19.7	60.0

**Final Result : Average**

Frequency (MHz)	Average (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	21.1	Off	N	19.4	34.9	56.0
0.414000	28.3	Off	N	19.5	19.3	47.6
0.718000	25.1	Off	N	19.5	20.9	46.0
8.166000	26.0	Off	N	19.7	24.0	50.0
15.614000	24.7	Off	N	19.9	25.3	50.0
28.862000	35.4	Off	N	20.2	14.6	50.0



## 4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	1036004	300MHz~40GHz	Aug. 09, 2014	Nov. 16, 2014	Aug. 08, 2015	Conducted (TH02-HY)
Power Sensor	Anritsu	MA2411B	1027253	300MHz~40GHz	Aug. 09, 2014	Nov. 16, 2014	Aug. 08, 2015	Conducted (TH02-HY)
EMI Test Receiver	Rohde & Schwarz	ESCS 30	100356	9kHz ~ 2.75GHz	Nov. 15, 2013	Oct. 06, 2014	Nov. 14, 2014	Conduction (CO05-HY)
LISN (for auxiliary equipment)	Rohde & Schwarz	ENV216	100081	9kHz ~ 30MHz	Dec. 12, 2013	Oct. 06, 2014	Dec. 11, 2014	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz ~ 30MHz	Dec. 04, 2013	Oct. 06, 2014	Dec. 03, 2014	Conduction (CO05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Oct. 06, 2014	N/A	Conduction (CO05-HY)



## 5 Uncertainty of Evaluation

### Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	2.26
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