

# FCC 47 CFR PART 15 SUBPART B TEST REPORT

for

**KVM Extender by CAT5**

**MODEL: C5EB00C570+C5EB00C572; C5EB00C571+C5EB00C583;  
C5EB00C580+C5EB00C583; C5EB00C571+C5EB00C582;  
C5EB00C580+C5EB00C582; C5EB00C571+C5EB00C573;  
C5EB00C570+C5EB00C573; C5EB00C571+C5EB00C572;  
C5F8E3EX30+C5F8E3EX32; C5F8E3EX20+C5F8E3EX32;  
C5F8E3EX20+C5F8E3EX33; C5F8E3EX21+C5F8E3EX32;  
C5F8E3EX21+C5F8E3EX33; C5F8E3EX30+C5F8E3EX33;  
C5F8E3EX31+C5F8E3EX32; C5F8E3EX31+C5F8E3EX33**

Test Report Number:

91105211-F

Issued to:

**NueTeq Technology, Inc.**

**11F, No. 112, Sec. 1, Zhong-Xiao E Rd.,  
Taipei, Taiwan, ROC, 100**

Issued by:

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**Issued Date: November 19, 2009**



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**Revision History**

Rev.	Issue Date	Revisions	Effect Page	Revised By
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# 1 TEST RESULT CERTIFICATION

**Product:** KVM Extender by CAT5  
 C5EB00C570+C5EB00C572; C5EB00C571+C5EB00C583;  
 C5EB00C580+C5EB00C583; C5EB00C571+C5EB00C582;  
 C5EB00C580+C5EB00C582; C5EB00C571+C5EB00C573;  
**Model:** C5EB00C570+C5EB00C573; C5EB00C571+C5EB00C572;  
 C5F8E3EX30+C5F8E3EX32; C5F8E3EX20+C5F8E3EX32;  
 C5F8E3EX20+C5F8E3EX33; C5F8E3EX21+C5F8E3EX32;  
 C5F8E3EX21+C5F8E3EX33; C5F8E3EX30+C5F8E3EX33;  
 C5F8E3EX31+C5F8E3EX32; C5F8E3EX31+C5F8E3EX33

**Brand:** Rextron; Hoeya; Nueteq

**Applicant:** **NueTeq Technology, Inc.**  
 11F, No. 112, Sec. 1, Zhong-Xiao E Rd., Taipei, Taiwan, ROC, 100

**Manufacturer:** **NueTeq Technology, Inc.**  
 11F, No. 112, Sec. 1, Zhong-Xiao E Rd., Taipei, Taiwan, ROC, 100

**Tested:** November 10, 2009

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

Vince Chiang  
Assistant Manager

Reviewed by:

Vesta Hsu  
Supervisor of report document dept.



## 2 EUT DESCRIPTION

<b>Product</b>	KVM Extender by CAT5
<b>Model</b>	C5EB00C570+C5EB00C572; C5EB00C571+C5EB00C583; C5EB00C580+C5EB00C583; C5EB00C571+C5EB00C582; C5EB00C580+C5EB00C582; C5EB00C571+C5EB00C573; C5EB00C570+C5EB00C573; C5EB00C571+C5EB00C572; C5F8E3EX30+C5F8E3EX32; C5F8E3EX20+C5F8E3EX32; C5F8E3EX20+C5F8E3EX33; C5F8E3EX21+C5F8E3EX32; C5F8E3EX21+C5F8E3EX33; C5F8E3EX30+C5F8E3EX33; C5F8E3EX31+C5F8E3EX32; C5F8E3EX31+C5F8E3EX33
<b>Brand Name</b>	Rextron; Hoeya; Nueteq
<b>Applicant</b>	NueTeq Technology, Inc.
<b>Housing material</b>	Plastic w/ metal plate
<b>Serial Number</b>	E72000KF00026
<b>Received Date</b>	November 5, 2009
<b>EUT Power Rating</b>	9VDC from AC Adaptor
<b>AC Power During Test</b>	120VAC / 60Hz to Adaptor
<b>AC Adaptor Manufacturer &amp; Model</b>	KVM / 41-9-600
<b>AC Adaptor Power Rating</b>	I/P: 120VAC, 60Hz; O/P: 9VDC
<b>DC Power Cord Type</b>	Unshielded, 1.8m (Non-detachable)
<b>EUT I/O Cable</b>	Shielded, 1.8m (Detachable)

### Model Difference

Model Name	Difference	Tested (Checked)
C5EB00C570+C5EB00C572	Original	<input checked="" type="checkbox"/>
C5EB00C571+C5EB00C583; C5EB00C580+C5EB00C583; C5EB00C571+C5EB00C582; C5EB00C580+C5EB00C582; C5EB00C571+C5EB00C573; C5EB00C570+C5EB00C573; C5EB00C571+C5EB00C572; C5F8E3EX30+C5F8E3EX32; C5F8E3EX20+C5F8E3EX32; C5F8E3EX20+C5F8E3EX33; C5F8E3EX21+C5F8E3EX32; C5F8E3EX21+C5F8E3EX33; C5F8E3EX30+C5F8E3EX33; C5F8E3EX31+C5F8E3EX32; C5F8E3EX31+C5F8E3EX33	For Market purpose only	<input checked="" type="checkbox"/>

### I/O PORT

I/O PORT TYPES	Q'TY	TESTED WITH
1. PS/2 Keyboard Port	1	1
2. PS/2 Mouse Port	1	1
3. VGA Port	2	2
4. LAN Port	1	1

**Note:** Client consigns only one model sample to test (Model Number: C5EB00C570+C5EB00C572).

### 3 TEST METHODOLOGY

#### 3.1. DECISION OF FINAL TEST MODE

The EUT was tested together with the above additional components, and a configuration, which produced the worst emission levels, was selected and recorded in this report.

The test configuration/ mode is as the following:

**Mode:**

1.	Normal Mode
----	-------------

**Conduction:** Mode 1

**Radiation:** Mode 1

#### 3.2. EUT SYSTEM OPERATION

1. Windows XP boots system.
2. Run Emctest.exe to activate all peripherals and display “H” pattern on monitor screen.

**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.

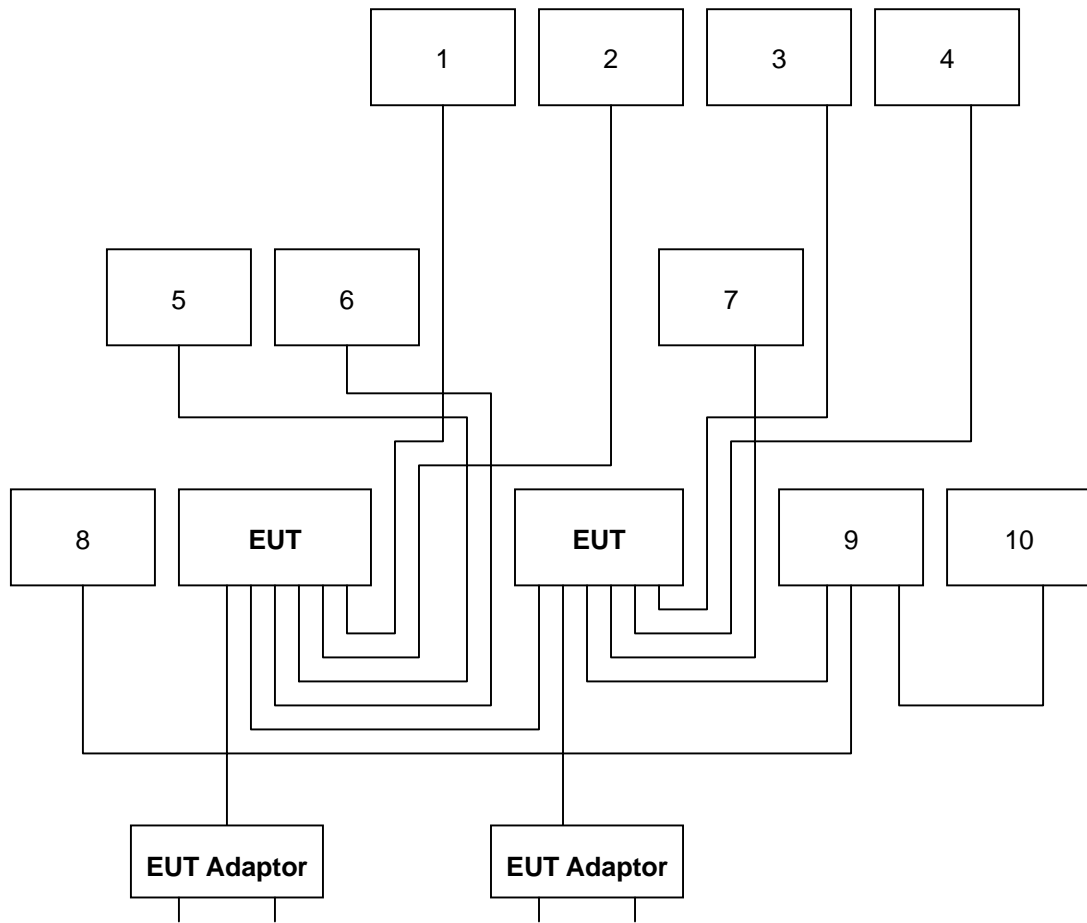
#### Peripherals Devices:

No.	Equipment	Model No.	Serial No.	FCC ID / BSMI ID	Trade Name	Data Cable	Power Cord
1	PS/2 Mouse	M071KC	443029438	DOC BSMI: R41108	DELL	Shielded, 1.8m	N/A
2	PS/2 Keyboard	SK-8110	N/A	DOC BSMI: T3A002	DELL	Shielded, 1.8m	N/A
3	PS/2 Mouse	M071KC	443029438	DOC BSMI: R41108	DELL	Shielded, 1.8m	N/A
4	PS/2 Keyboard	SK-8110	N/A	DOC BSMI: T3A002	DELL	Shielded, 1.8m	N/A
5	Host PC	xw4400	N/A	DOC BSMI: R33001	HP	Shielded, 1.8m	Unshielded, 1.8m
6	Monitor	710V	N/A	DOC BSMI: R33475	SAMSUNG	Shielded, 1.8m with two cores	Unshielded, 1.8m
7	Monitor	710V	N/A	DOC BSMI: R33475	SAMSUNG	Shielded, 1.8m with two cores	Unshielded, 1.8m
8	Printer	C20SX	N/A	BSMI ID: 3902E004	EPSON	Shielded, 1.8m	Unshielded, 1.8m
9	Host PC	xw4400	N/A	DOC BSMI: R33001	HP	Shielded, 1.8m	Unshielded, 1.8m
10	Modem	5JEG4033MKO	N/A	5RJTAI-35500-M5-E	TOP- SOLUTION	Shielded, 1.8 m	Unshielded, 1.8m

#### Notes:

- 1) All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2) 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 CCS Taiwan Sindian BU. at 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 Publication 22. All receiving equipment conforms to CISPR 16-1-1, CISPR 16-1-2, CISPR 16-1-3, CISPR 16-1-4 and CISPR 16-1-5.

### 5.2. ACCREDITATIONS

Our laboratories are accredited and approved by the following accreditation body 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
Germany	TUV Rheinland
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	0.15MHz~30MHz	± 1.7366
Radiated emissions	30MHz ~ 200MHz	± 3.8792
	200MHz ~1000MHz	± 3.8914

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: 2005, 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 UCISPR which is 3.6dB and 5.2dB respectively. CCS values (called ULab in CISPR 16-4-2) is less than UCISPR 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 # B				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
TEST RECEIVER	R&S	ESHS10	843743/015	03/29/2010
LISN (EUT)	FCC	FCC-LISN-50-32-2	08009	03/29/2010
LISN	EMCO	3825/2	1382	01/05/2010
BNC CABLE	Huber+Suhner	RG 223/U	BNC B2	01/12/2010
Pulse Limiter	R&S	ESH3-Z2	100374	08/23/2010
THERMO-HYGRO METER	TOP	HA-202	9303-3	02/04/2010
Test S/W	EMI 32.exe			

- Notes:**
- 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.

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

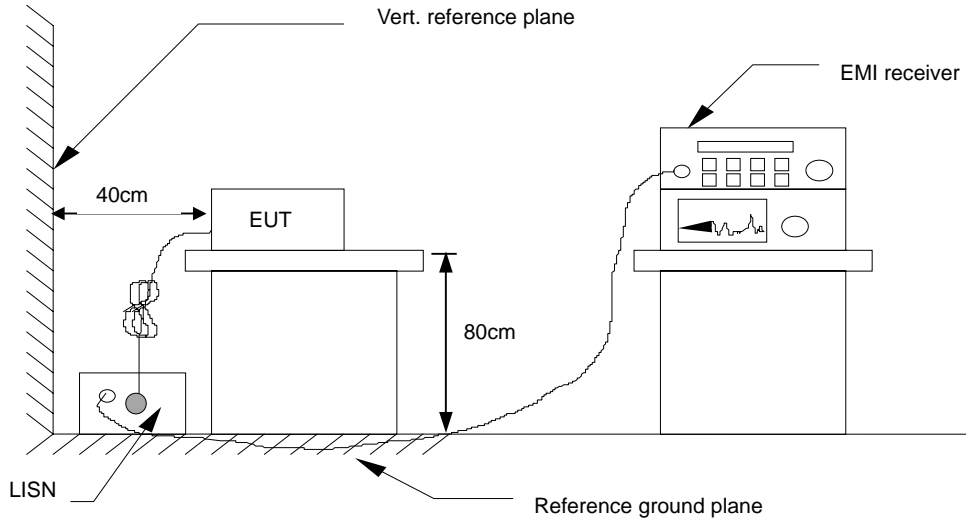
#### **Procedure of Preliminary Test**

- 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:

Freq. (MHz)	Read Level (dBuV)	Factor (dB)	Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark (P/Q/A)	Line (L1/L2)
x.xx	42.95	0.55	43.50	73	-29.50	Q	L1

- Freq. = Emission frequency in MHz
- Read Level = Uncorrected Analyzer/Receiver reading
- Factor = Insertion loss of LISN + Cable Loss
- Level = Read Level + Factor
- Limit Line = Limit stated in standard
- Over Limit = Reading in reference to limit
- P = Peak Reading
- Q = Quasi-peak Reading
- A = Average Reading
- L1 = Hot side
- L2 = Neutral side

#### Calculation Formula

Over Limit (dB) = Level (dBuV) – Limit Line (dBuV)



6.6. TEST RESULTS

<b>Model No.</b>	C5EB00C570+C5EB00C572	<b>6dB Bandwidth</b>	10 kHz
<b>Environmental Conditions</b>	24deg.C, 58% RH, 1010hPa	<b>Test Mode</b>	Mode 1
<b>Tested by</b>	WILLY HSU		

(The chart below shows the highest readings taken from the final data.)

<b>Six Highest Conducted Emission Readings</b>							
<b>Frequency Range Investigated</b>				<b>150 kHz to 30 MHz</b>			
<b>Freq. (MHz)</b>	<b>Read Level (dBUV)</b>	<b>Factor (dB)</b>	<b>Level (dBUV)</b>	<b>Limit Line (dBUV)</b>	<b>Over Limit (dB)</b>	<b>Remark (P/Q/A)</b>	<b>Line (L1/L2)</b>
<b>0.224</b>	<b>38.11</b>	<b>10.90</b>	<b>49.01</b>	<b>79.00</b>	<b>-29.99</b>	<b>P</b>	<b>L1</b>
<b>12.852</b>	<b>38.69</b>	<b>10.73</b>	<b>49.42</b>	<b>73.00</b>	<b>-23.58</b>	<b>P</b>	<b>L1</b>
<b>15.718</b>	<b>29.17</b>	<b>10.79</b>	<b>39.96</b>	<b>73.00</b>	<b>-33.04</b>	<b>P</b>	<b>L1</b>
<b>0.198</b>	<b>38.86</b>	<b>10.64</b>	<b>49.50</b>	<b>79.00</b>	<b>-29.50</b>	<b>P</b>	<b>L2</b>
<b>0.767</b>	<b>29.49</b>	<b>10.24</b>	<b>39.73</b>	<b>73.00</b>	<b>-33.27</b>	<b>P</b>	<b>L2</b>
<b>12.784</b>	<b>29.94</b>	<b>10.43</b>	<b>40.37</b>	<b>73.00</b>	<b>-32.63</b>	<b>P</b>	<b>L2</b>

- Notes:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).  
2. The emission level was or more than 2dB below the Average limit, so no re-check anymore.

## 7 RADIATED EMISSION MEASUREMENT

### 7.1. LIMITS OF RADIATED EMISSION MEASUREMENT

Below 1GHz

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

Above 1GHz

Frequency (MHz)	Class A (dBuV/m) (At 10m)		Class B (dBuV/m) (At 3m)	
	Average	Peak	Average	Peak
Above 1000	60	80	54	74

**NOTE:** (1) The lower limit shall apply at the transition frequencies.  
 (2) Emission level (dBuV/m) = 20 log Emission level (dBuV/m)).

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	5 <sup>th</sup> harmonic of the highest frequency or 40GHz, whichever is lower



7.2. TEST INSTRUMENTS

Open Area Test Site # I				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
MEASURE RECEIVER	SCHAFFNER	SCR3501	338	07/07/2010
SPECTRUM ANALYZER	ADVANTEST	R3132	120900008	No Calibration Required
ANTENNA	SCHAFFNER	CBL 6112B	2809	09/06/2010
AMPLIFIER	SCHAFFNER	CPA9231A	3626	10/11/2010
CABLE	BELDEN	9913	N-TYPE #12	02/22/2010
THERMO-HYGRO METER	TECPEL	DTM-303	090639	05/24/2010
Test S/W	Lab VIEW 7.1			

**Remarks:** 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)

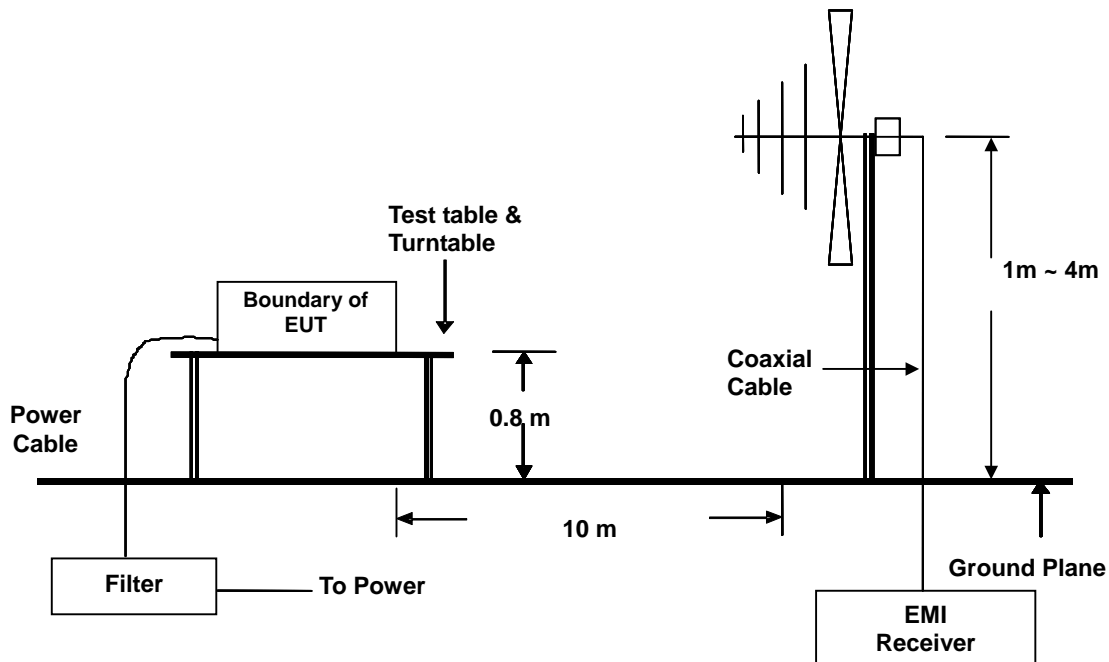
Procedure of Preliminary Test

- 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 limit. Below 1GHz the Q.P. reading and above 1GHz the Peak and Average reading are presented.
- The test data of the worst-case condition(s) was recorded.

**7.4. TEST SETUP**



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



**7.5. DATA SAMPLE:**

**Below 1GHz**

Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector (P/Q)	Pol. (H/V)
x.xx	14.0	12.2	26.2	40	-13.8	Q	H

**Above 1GHz**

Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector (P/A)	Pol. (H/V)
x.xx	42.95	0.55	43.50	60	-16.50	A	H

- Freq. = Emission frequency in MHz
- Reading = Uncorrected Analyzer/Receiver reading
- Factor = Antenna Factor + Cable Loss - Amplifier Gain
- Result = Reading + Factor
- Limit = Limit stated in standard
- Margin = Reading in reference to limit
- P = Peak Reading
- Q = Quasi-peak Reading
- A = Average Reading
- H = Antenna Polarization: Horizontal
- V = Antenna Polarization: Vertical

Margin (dB) = Level (dBuV/m) – Limit (dBuV/m)

## 7.6. TEST RESULTS

### Below 1GHz

<b>Model No.</b>	C5EB00C570+C5EB00C572	<b>Test Mode</b>	Mode 1
<b>Environmental Conditions</b>	25deg.C, 80% RH, 1010hPa	<b>6dB Bandwidth</b>	120 kHz
<b>Antenna Pole</b>	Vertical / Horizontal	<b>Antenna Distance</b>	10m
<b>Detector Function</b>	Quasi-peak.	<b>Tested by</b>	BENSON YANG

(The chart below shows the highest readings taken from the final data.)

<b>Six Highest Radiated Emission Readings</b>							
<b>Frequency Range Investigated</b>				<b>30 MHz to 1000 MHz at 10m</b>			
Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector (P/Q)	Pol. (H/V)
<b>51.910</b>	<b>57.30</b>	<b>-18.59</b>	<b>38.71</b>	<b>40.00</b>	<b>-1.29</b>	<b>Q</b>	<b>V</b>
<b>79.830</b>	<b>56.40</b>	<b>-21.19</b>	<b>35.21</b>	<b>40.00</b>	<b>-4.79</b>	<b>Q</b>	<b>V</b>
<b>148.400</b>	<b>53.90</b>	<b>-17.21</b>	<b>36.69</b>	<b>40.00</b>	<b>-3.31</b>	<b>Q</b>	<b>V</b>
<b>214.790</b>	<b>53.80</b>	<b>-17.94</b>	<b>35.86</b>	<b>40.00</b>	<b>-4.14</b>	<b>Q</b>	<b>V</b>
<b>240.530</b>	<b>55.10</b>	<b>-15.83</b>	<b>39.27</b>	<b>47.00</b>	<b>-7.73</b>	<b>Q</b>	<b>V</b>
<b>286.400</b>	<b>50.70</b>	<b>-13.81</b>	<b>36.89</b>	<b>47.00</b>	<b>-10.11</b>	<b>Q</b>	<b>V</b>

(The chart below shows the highest readings taken from the final data.)

<b>Six Highest Radiated Emission Readings</b>							
<b>Frequency Range Investigated</b>				<b>30 MHz to 1000 MHz at 10m</b>			
Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector (P/Q)	Pol. (H/V)
<b>52.540</b>	<b>56.30</b>	<b>-18.85</b>	<b>37.45</b>	<b>40.00</b>	<b>-2.55</b>	<b>Q</b>	<b>H</b>
<b>83.860</b>	<b>54.90</b>	<b>-20.38</b>	<b>34.52</b>	<b>40.00</b>	<b>-5.48</b>	<b>Q</b>	<b>H</b>
<b>155.550</b>	<b>54.70</b>	<b>-17.45</b>	<b>37.25</b>	<b>40.00</b>	<b>-2.75</b>	<b>Q</b>	<b>H</b>
<b>214.740</b>	<b>54.80</b>	<b>-17.94</b>	<b>36.86</b>	<b>40.00</b>	<b>-3.14</b>	<b>Q</b>	<b>H</b>
<b>240.740</b>	<b>53.70</b>	<b>-15.80</b>	<b>37.90</b>	<b>47.00</b>	<b>-9.10</b>	<b>Q</b>	<b>H</b>
<b>287.550</b>	<b>52.30</b>	<b>-13.79</b>	<b>38.51</b>	<b>47.00</b>	<b>-8.49</b>	<b>Q</b>	<b>H</b>

- Notes:**
- 30MHz to 1000MHz test is Applicable CISPR 22 / EN 55022 standard.
  - The other emission levels were very low against the limit.
  - P= Peak Reading; Q= Quasi-peak Reading.



**Above 1000MHz**

<b>Model No.</b>	N/A	<b>Test Mode</b>	N/A
<b>Environmental Conditions</b>	N/A	<b>6dB Bandwidth</b>	N/A
<b>Antenna Pole</b>	N/A	<b>Antenna Distance</b>	N/A
<b>Highest frequency generated or used</b>	20MHz	<b>Upper frequency</b>	See Note
<b>Detector Function</b>	N/A	<b>Tested by</b>	N/A

**Notes:** No applicable, when the highest frequency of the internal sources of the EUT is less than 108MHz, the measurement shall only be made up to 1 GHz.

## 8 PHOTOGRAPHS OF THE TEST CONFIGURATION CONDUCTED EMISSION TEST



### RADIATED EMISSION TEST

