



Dates of Tests: March 21 ~ 30, 2012
Test Report S/N: LR50011204A
Test Site : LTA CO., LTD.

CLASS II PERMISSIVE CHANGE TEST REPORT

FCC ID

BBQ-XJH1750

IC

2388B-XJH1750


APPLICANT

CASIO COMPUTER CO.,LTD.

Equipment Class : **Part 15 Low Power Transceiver, RX Verified(DXX)**
Manufacturing Description : **DATA PROJECTOR**
Manufacturer : **CASIO COMPUTER CO.,LTD.**
Model name : **XJ-H2650**
Test Device Serial No.: : **Identical prototype**
Rule Part(s) : **FCC Part 15.249 Subpart C; ANSI C-63.4-2003**
RSS-210 and ISSUE No. :8 Date :2010
Frequency Range : **2402 ~ 2479MHz**
Data of issue : **April 02, 2012**

This test report is issued under the authority of:

The test was supervised by:



Kyu-Hyun Lee, Manager



Ki-Hun Cho, Test Engineer

This test result only responds to the tested sample. It is not allowed to copy this report even partly without the allowance of the test laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.



NVLAP LAB Code.: 200723-0

TABLE OF CONTENTS

1. GENERAL INFORMATION'S ----- 3

2. INFORMATION'S ABOUT TEST ITEM ----- 4

3. TEST REPORT ----- 5

 3.1 SUMMARY OF TESTS ----- 5

 3.2 TECHNICAL CHARACTERISTICS TEST ----- 6

 3.2.1 BAND – EDGE & SPURIOUS ----- 6

 3.2.2 FIELD STRENGTH OF HARMONICS-Transmitter ----- 8

 3.2.3 FIELD STRENGTH OF HARMONICS-Receiver ----- 12

 3.2.4 AC CONDUCTED EMISSIONS ----- 13

APPENDIX

 APPENDIX TEST EQUIPMENT USED FOR TESTS ----- 16

1. General information's

1-1 Test Performed

Company name : LTA Co., Ltd.
 Address : 243, Jubug-ri, Yangji-Myeon, Youngin-Si, Kyunggi-Do, Korea. 449-822
 Web site : <http://www.ltalab.com>
 E-mail : chahn@ltalab.com
 Telephone : +82-31-323-6008
 Facsimile : +82-31-323-6010

Quality control in the testing laboratory is implemented as per ISO/IEC 17025 which is the “General requirements for the competents of calibration and testing laboratory”.

1-2 Accredited agencies

LTA Co., Ltd. is approved to perform EMC testing by the following agencies:

| Agency | Country | Accreditation No. | Validity | Reference |
|--------|---------|-------------------|------------|---------------------|
| NVLAP | U.S.A | 200723-0 | 2012-09-30 | ECT accredited Lab. |
| RRL | KOREA | KR0049 | 2013-04-24 | EMC accredited Lab. |
| FCC | U.S.A | 610755 | 2014-04-27 | FCC filing |
| FCC | U.S.A | 649054 | 2013-04-13 | FCC CAB |
| VCCI | JAPAN | R2133(10m), C2307 | 2014-06-21 | VCCI registration |
| VCCI | JAPAN | T-2009 | 2013-12-23 | VCCI registration |
| IC | CANADA | IC5799 | 2012-05-14 | IC filing |

2. Information's about test item

2-1 Client & Manufacturer

Company name : CASIO COMPUTER CO.,LTD.
 Address : 2-1, Sakaecho 3-chome, Hamura-shi, Tokyo 205-8555, Japan
 Telephone / Facsimile : +81-42-579-7282/+81-42-579-7726

2-2 Equipment Under Test (EUT)

Trade name : DATA PROJECTOR
 Model name : XJ-H2650
 Serial number : Identical prototype
 Date of receipt : March 15, 2012
 EUT condition : Pre-production, not damaged
 Antenna type : Printed antenna with -1.51dBi gain
 Frequency Range : 2402 ~ 2479MHz
 Number of channels : 78
 Channel spacing : 1MHz
 Type of Modulation : MSK
 Power Source : 100~240Vac

2-4 Tested frequency

| | LOW | MID | HIGH |
|-----------------|------|------|------|
| Frequency (MHz) | 2402 | 2441 | 2479 |

2-5 Ancillary Equipment

| Equipment | Model No. | Serial No. | Manufacturer |
|-----------|-----------|------------|--------------|
| - | - | - | - |

2-6 Model Descripton

| Differnce | | | |
|---|----------------------------|------------------------------|--|
| item | XJ-H1750 | XJ-H2650 | Notes |
| Optical Mainfold Digital Mirror Device | for XGA | for WXGA | Change of the Digital Mirror Device for Optical Manifold |
| Main PWB | number of layer 8 layer | number of layers 6 layers | Altered the printed wiring and number of layers. Supports the RGB-function of the Stand-By State. Addition of the Line-OUT port. |

3. Test Report

3.1 Summary of tests

| FCC Part Section(s) | Parameter | Limit | Test Condition | Status (note 1) |
|---------------------|-----------------------------|-------------------|----------------|-----------------|
| 15.247(d) | Band Edge | > 20 dBc | | C |
| 15.249 / 15.209 | Field Strength of Harmonics | < 54 dBuV (at 3m) | Radiated | C |
| 15.207 /15.107 | AC Conducted Emissions | EN 55022 | Line Conducted | C |
| 15.203 | Antenna requirement | - | - | C |

Note 1: C=Complies NC=Not Complies NT=Not Tested NA=Not Applicable

Note 1: Antenna Requirement

→ The CASIO COMPUTER CO.,LTD. XJ-H2650 unit complies with the requirement of §15.203.

The antenna type is the Printed antenna

Note 2: The sample was tested according to the following specification:

FCC Parts 15.249; ANSI C-63.4-2003

RSS-210 and ISSUE No.: 8 Date: 2010

3.2 Transmitter requirements

3.2.1 Band Edge

Procedure:

The bandwidth at 20dB down from the highest inband spectral density is measured with a spectrum analyzer connected to the antenna terminal, while EUT had its hopping function disabled at the highest, middle and the lowest available channels.

After the trace being stable, Use the marker-to-peak function to measure 20 dB down both sides of the intentional emission.

The spectrum analyzer is set to:

Center frequency = the highest, middle and the lowest channels

RBW = 100 kHz

VBW = 100 kHz

Span = 10~30 MHz

Detector function = peak

Trace = max hold

Sweep = auto

Measurement Data: Complies

- All conducted emission in any 100kHz bandwidth outside of the spread spectrum band was at least 20dB lower than the highest inband spectral density. Therefore the applying equipment meets the requirement.
- See next pages for actual measured spectrum plots.

| | |
|--------------------------|----------|
| Minimum Standard: | > 20 dBc |
|--------------------------|----------|

Band-edges in the restricted band 2310-2390 MHz measurement

| Frequency [MHz] | Reading [dBuV/m] | | Pol. | Correction Factor | | | Limits [dBuV/m] | | Result [dBuV/m] | | Margin [dB] | |
|--------------------|---------------------|------|------|----------------------|--------------|-------|--------------------|------|--------------------|------|----------------|------|
| | AV / Peak | | | Antenna | Amp. Gain | Cable | AV / Peak | | AV / Peak | | AV / Peak | |
| 2388.0 | 34.0 | 49.4 | H | 25.4 | 37.1 | 4.0 | 54.0 | 74.0 | 26.2 | 41.7 | 27.8 | 32.3 |

Band-edges in the restricted band 2483.5-2500 MHz measurement

| Frequency [MHz] | Reading [dBuV/m] | | Pol. | Correction Factor | | | Limits [dBuV/m] | | Result [dBuV/m] | | Margin [dB] | |
|--------------------|---------------------|------|------|----------------------|--------------|-------|--------------------|------|--------------------|------|----------------|------|
| | AV / Peak | | | Antenna | Amp. Gain | Cable | AV / Peak | | AV / Peak | | AV / Peak | |
| 2483.5 | 34.2 | 59.0 | V | 25.4 | 37.1 | 4.0 | 54.0 | 74.0 | 26.5 | 51.3 | 27.6 | 22.7 |

Note : This EUT was tested in 3 orthogonal positions and the worst-case data was presented.

3.2.2 Field Strength of Harmonics - Transmitter

Procedure:

The EUT was placed on a 0.8m high wooden table inside a shielded enclosure. An antenna was placed near the EUT and measurements of frequencies and amplitudes of field strengths were recorded for reference during final measurements. For final radiated testing, measurements were performed in OATS. Measurements were performed with the EUT oriented in 3 orthogonal axis and rotated 360 degrees to determine worst-case orientation for maximum emissions.

The spectrum analyzer is set to:

Center frequency = the worst channel

Frequency Range = 30 MHz ~ 10th harmonic.

RBW = 100 kHz (30MHz ~ 1 GHz)

= 1 MHz (1 GHz ~ 10th harmonic)

Span = 100 MHz

Trace = max hold

Peak:VBW \geq RBW

Average:VBW=10Hz

Detector function = Peak and Average

Sweep = auto

Measurement Data: Complies

- Refer to the next page.
- No other emissions were detected at a level greater than 20dB below limit include from 9KHz to 30MHz.
- The three antennas were used with this EUT during the Testing.

Minimum Standard: FCC Part 15.209(a)

| Frequency (MHz) | Limit (uV/m) @ 3m |
|-----------------|----------------------|
| 0.009 ~ 0.490 | 2400/F(kHz) (@ 300m) |
| 0.490 ~ 1.705 | 24000/F(kHz) (@ 30m) |
| 1.705 ~ 30 | 30(@ 30m) |
| 30 ~ 88 | 100 ** |
| 88 ~ 216 | 150 ** |
| 216 ~ 960 | 200 ** |
| Above 960 | 500 |

** Except as provided in 15.209(g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88MHz, 174-216MHz or 470-806MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g. 15.231 and 15.241.

Measurement Data:

| Frequency [MHz] | Reading [dBuV/m] | | Pol. | Correction Factor | | | Limits [dBuV/m] | | Result [dBuV/m] | | Margin [dB] | |
|--------------------|---------------------|------|------|----------------------|----------|-------|--------------------|-----|--------------------|------|----------------|------|
| | AV / Peak | | | Antenna | Amp.Gain | Cable | AV/Peak | | AV/Peak | | AV / Peak | |
| | 4804.0 | 37.9 | | 47.8 | V | 31.4 | 36.5 | 5.7 | 54.0 | 74.0 | 38.6 | 48.4 |
| Frequency [MHz] | Reading [dBuV/m] | | Pol. | Correction Factor | | | Limits [dBuV/m] | | Result [dBuV/m] | | Margin [dB] | |
| | AV / Peak | | | Antenna | Amp.Gain | Cable | AV/Peak | | AV/Peak | | AV / Peak | |
| | 4882.0 | 37.7 | | 48.6 | V | 31.4 | 36.5 | 5.7 | 54.0 | 74.0 | 38.4 | 49.3 |
| Frequency [MHz] | Reading [dBuV/m] | | Pol. | Correction Factor | | | Limits [dBuV/m] | | Result [dBuV/m] | | Margin [dB] | |
| | AV / Peak | | | Antenna | Amp.Gain | Cable | AV/Peak | | AV/Peak | | AV / Peak | |
| | 4958.0 | 37.1 | | 47.6 | V | 31.4 | 36.5 | 5.7 | 54.0 | 74.0 | 37.8 | 48.3 |

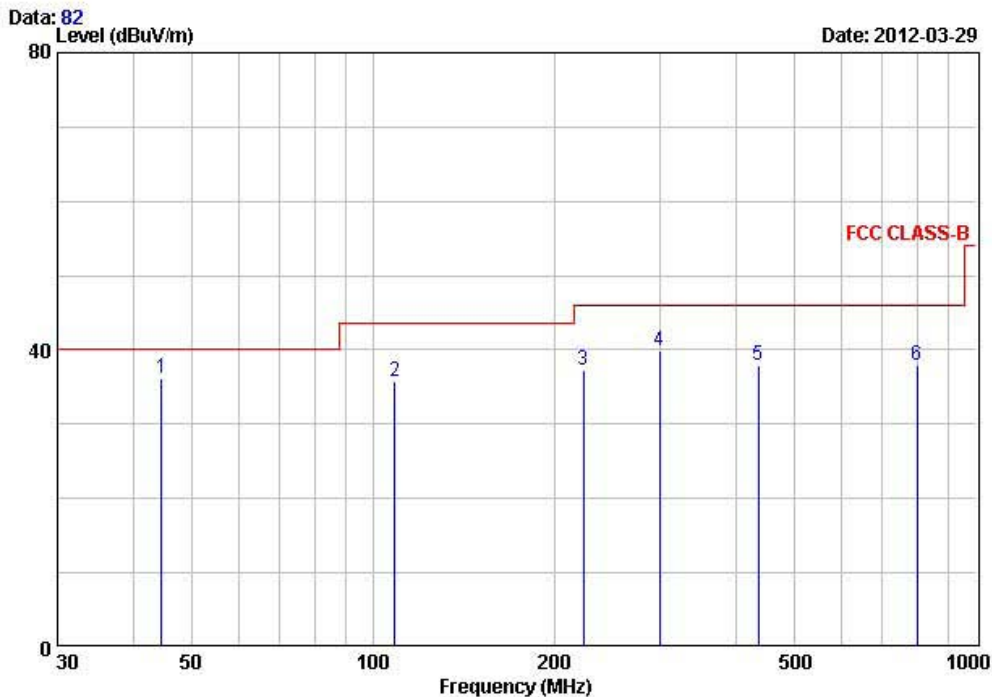
- No other emissions were detected at a level greater than 20dB below limit.

Radiated Emissions – Operating + Ping + Serial



243 Jubug-ri, yangji-Myeon, Youngin-si,
Gyeonggi-do 449-822 Korea
Tel :+82-31-3236008,9
Fax:+82-31-3236010

EUT/Model No.: XJ-H2650(CASIO) TEST MODE: Operation+ping+serial
Temp Humi : 10 / 42 Tested by: PARK.H.W



| Freq | Reading | C.F | Result | Limit | Margin | Height | Angle | Polarity |
|------|---------|--------|--------|--------|--------|--------|-------|------------|
| MHz | dBuV/m | dB/m | dBuV/m | dBuV/m | dB | cm | deg | |
| 1 | 44.70 | -15.85 | 36.15 | 40.00 | 3.85 | 100 | 189 | VERTICAL |
| 2 | 108.80 | -16.75 | 35.65 | 43.50 | 7.85 | 154 | 277 | HORIZONTAL |
| 3 | 223.60 | -14.47 | 37.33 | 46.00 | 8.67 | 261 | 234 | HORIZONTAL |
| 4 | 298.60 | -11.33 | 39.87 | 46.00 | 6.13 | 105 | 191 | HORIZONTAL |
| 5 | 436.30 | -7.94 | 37.86 | 46.00 | 8.14 | 106 | 192 | VERTICAL |
| 6 | 799.30 | 0.70 | 37.90 | 46.00 | 8.10 | 151 | 263 | VERTICAL |

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain

3.2.3 Field Strength of Harmonics - Receivers

Definition:

The field strength of emissions from intentional radiators was measured. In case of the air temperature of the test site is out of the range is 10 to 40°C before the testing proceeds the warm-up time of EUT maintain adequately

| | |
|---------------------|--|
| Test method | : FCC Part 15.209 |
| Frequency Range | : 30 MHz ~ 10 th harmonic. |
| Bandwidth | : 120 kHz (F < 1GHz) 1 MHz (F > 1GHz) |
| Distance of antenna | : 3 meters |
| Test mode | : Rx mode |
| Result | : Complies |

Measurement Data:

- Refer to the next page.
- No other emissions were detected at a level greater than 20dB below limit
- It gave the worse case emissions.

Field Strength Limit

Part 15.209 LIMIT:

| Frequency (MHz) | Limit (uV/m) @ 3m |
|-----------------|-------------------|
| 30 ~ 88 | 100** |
| 88 ~ 216 | 150** |
| 216 ~ 960 | 200** |
| Above 960 | 500 |

** Except as provided in 15.209(g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88MHz, 174-216MHz or 470-806MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g. 15.231 and 15.241.

Measurement Data:

| Frequency [MHz] | Reading [dBuV/m] | | Pol. | Correction Factor | | | Limits [dBuV/m] | | Result [dBuV/m] | | Margin [dB] | |
|--------------------|---------------------|------|------|----------------------|----------|-------|--------------------|-----|--------------------|------|----------------|------|
| | AV / Peak | | | Antenna | Amp.Gain | Cable | AV / Peak | | AV / Peak | | AV / Peak | |
| | 4803.0 | 38.1 | | 47.0 | V | 31.4 | 36.5 | 5.7 | 54.0 | 74.0 | 38.7 | 47.7 |
| Frequency [MHz] | Reading [dBuV/m] | | Pol. | Correction Factor | | | Limits [dBuV/m] | | Result [dBuV/m] | | Margin [dB] | |
| | AV / Peak | | | Antenna | Amp.Gain | Cable | AV / Peak | | AV / Peak | | AV / Peak | |
| | 4865.0 | 37.1 | | 46.6 | V | 31.4 | 36.5 | 5.7 | 54.0 | 74.0 | 37.8 | 47.3 |
| Frequency [MHz] | Reading [dBuV/m] | | Pol. | Correction Factor | | | Limits [dBuV/m] | | Result [dBuV/m] | | Margin [dB] | |
| | AV / Peak | | | Antenna | Amp.Gain | Cable | AV / Peak | | AV / Peak | | AV / Peak | |
| | 4958.0 | 35.5 | | 45.9 | V | 31.4 | 36.5 | 5.7 | 54.0 | 74.0 | 36.2 | 46.5 |

No other emissions were detected at a level greater than 20dB below limit.

3.2.4 AC Conducted Emissions

Procedure:

The conducted emissions are measured in the shielded room with a spectrum analyzer in peak hold. While the measurement, EUT had its hopping function disabled at the middle channels in line with Section 15.31(m). Emissions closest to the limit are measured in the quasi-peak mode (QP) with the tuned receiver using a bandwidth of 9 kHz. The emissions are maximized further by cable manipulation and Exerciser operation. The highest emissions relative to the limit are listed.

Measurement Data: Complies

- Refer to the next page.
- No other emissions were detected at a level greater than 20dB below limit
- It gave the worse case emissions

Minimum Standard: FCC Part 15.207(a)/EN 55022

| Frequency Range (MHz) | Conducted Limit (dBuV) | |
|--------------------------|------------------------|------------|
| | Quasi-Peak | Average |
| 0.15 ~ 0.5 | 66 to 56 * | 56 to 46 * |
| 0.5 ~ 5 | 56 | 46 |
| 5 ~ 30 | 60 | 50 |

* Note: The limits will decrease with the frequency logarithmically within 0.15MHz to 0.5MHz

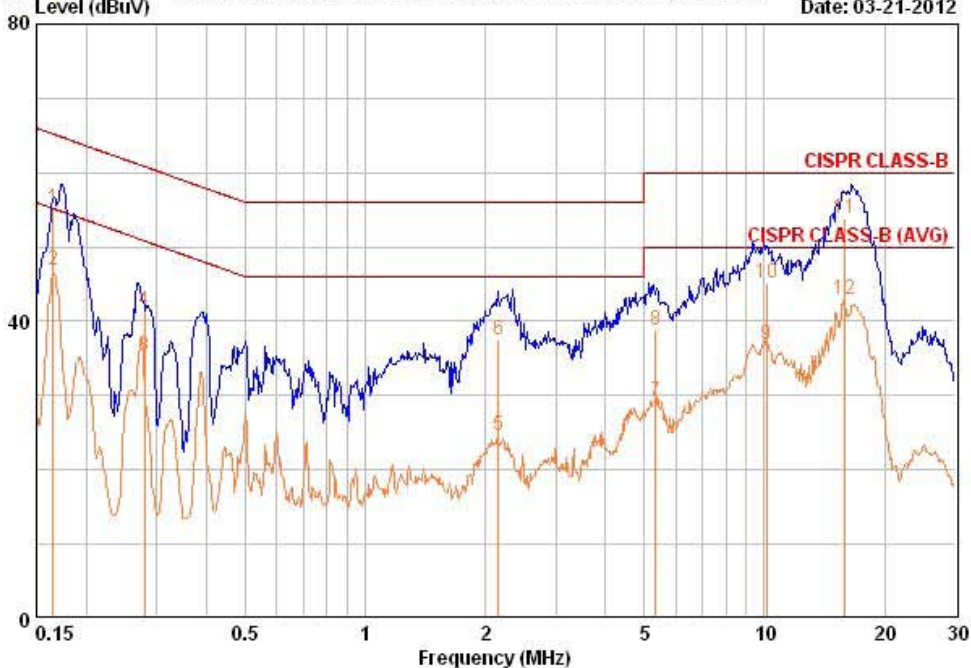
Radiated Emissions – Operating + Ping + Serial LINE



243 Jubug-ri, yangji-Myeon, Youngin-si,
Gyeonggi-do 449-822 Korea
Tel :+82-31-3236008,9
Fax:+82-31-3236010

EUT / Model No. : XJ-H2650(CASIO) Phase : LINE
 Test Mode : Operating+Ping+Serial Test Power : 120 / 60
 Temp./Humi. : 22°C / 49% Test Engineer : PARK.H.W

Data: 282 File: C:\Conducted Data\2012\LTA_Conduction_1203-2.EMI (282) Date: 03-21-2012



| Freq MHz | RD | | C.F | Result | | Limit | | Margin | |
|-------------|------------|------------|------|------------|------------|------------|------------|----------|----------|
| | QP dBuV | AV dBuV | | QP dBuV | AV dBuV | QP dBuV | AV dBuV | QP dB | AV dB |
| 0.165 | 45.44 | 37.24 | 9.65 | 55.09 | 46.89 | 65.21 | 55.21 | 10.12 | 8.32 |
| 0.280 | 31.93 | 25.63 | 9.58 | 41.51 | 35.21 | 60.82 | 50.82 | 19.31 | 15.61 |
| 2.155 | 27.76 | 14.96 | 9.72 | 37.48 | 24.68 | 56.00 | 46.00 | 18.52 | 21.32 |
| 5.333 | 29.09 | 19.49 | 9.73 | 38.82 | 29.22 | 60.00 | 50.00 | 21.18 | 20.78 |
| 10.129 | 35.37 | 26.97 | 9.81 | 45.18 | 36.78 | 60.00 | 50.00 | 14.82 | 13.22 |
| 15.870 | 43.80 | 32.90 | 9.99 | 53.79 | 42.89 | 60.00 | 50.00 | 6.21 | 7.11 |

Remarks: C.F (Correction Factor) = Insertion loss + Cable loss

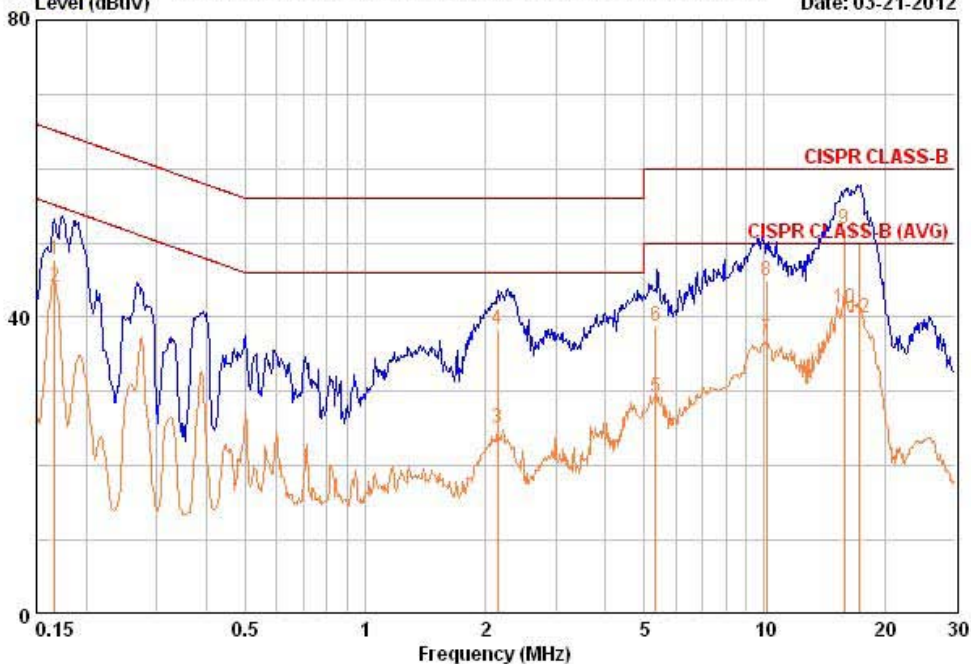
Radiated Emissions – Operating + Ping + Serial NEUTRAL



243 Jubug-ri, yangji-Myeon, Youngin-si,
Gyeonggi-do 449-822 Korea
Tel :+82-31-3236008,9
Fax:+82-31-3236010

EUT / Model No. : XJ-H2650(CASIO) Phase : NEUTRAL
 Test Mode : Operating+Ping+Serial Test Power : 120 / 60
 Temp./Humi. : 22°C / 49% Test Engineer : PARK.H.W

Data: 284 File: C:\Conducted Data\2012\LTA_Conduction_1203-2.EMI (284) Date: 03-21-2012



| Freq MHz | RD | | C.F | Result | | Limit | | Margin | |
|-------------|------------|------------|------|------------|------------|------------|------------|----------|----------|
| | QP dBuV | AV dBuV | | QP dBuV | AV dBuV | QP dBuV | AV dBuV | QP dB | AV dB |
| 0.167 | 38.14 | 34.54 | 9.57 | 47.71 | 44.11 | 65.11 | 55.11 | 17.40 | 11.00 |
| 2.143 | 28.66 | 15.36 | 9.69 | 38.35 | 25.05 | 56.00 | 46.00 | 17.65 | 20.95 |
| 5.345 | 28.99 | 19.49 | 9.76 | 38.75 | 29.25 | 60.00 | 50.00 | 21.25 | 20.75 |
| 10.128 | 35.27 | 27.27 | 9.71 | 44.97 | 36.97 | 60.00 | 50.00 | 15.03 | 13.03 |
| 15.877 | 42.10 | 31.30 | 9.88 | 51.99 | 41.19 | 60.00 | 50.00 | 8.01 | 8.81 |
| 17.210 | 40.19 | 29.99 | 9.91 | 50.10 | 39.90 | 60.00 | 50.00 | 9.90 | 10.10 |

Remarks: C.F (Correction Factor) = Insertion loss + Cable loss

APPENDIX

TEST EQUIPMENT USED FOR TESTS

| | Description | Model No. | Serial No. | Manufacturer | Interval | Last Cal. Date |
|----|--------------------------------------|------------------|-------------|------------------------|----------|----------------|
| 1 | Spectrum Analyzer (~30GHz) | FSV-30 | 100757 | R&S | 1 year | 2012-01-10 |
| 2 | Signal Generator (~3.2GHz) | 8648C | 3623A02597 | HP | 1 year | 2012-03-26 |
| 3 | Signal Generator (1~20GHz) | 83711B | US34490456 | HP | 1 year | 2012-03-26 |
| 4 | Attenuator (3dB) | 8491A | 37822 | HP | 2 year | 2010-10-08 |
| 5 | Attenuator (10dB) | 8491A | 63196 | HP | 2 year | 2010-10-08 |
| 6 | Attenuator (30dB) | 8498A | 3318A10929 | HP | 2 year | 2011-01-05 |
| 7 | Test Receiver (~30MHz) | ESHS10 | 828404/009 | R&S | 1 year | 2012-03-26 |
| 8 | EMI Test Receiver (~1GHz) | ESCI7 | 100722 | R&S | 1 year | 2011-10-07 |
| 9 | RF Amplifier (~1.3GHz) | 8447D | 2439A09058 | HP | 2 year | 2010-10-08 |
| 10 | RF Amplifier (1~18GHz) | 8449B | 3008A02126 | HP | 2 year | 2012-03-26 |
| 11 | Horn Antenna (1~18GHz) | BBHA 9120D | 9120D122 | SCHWARZBECK | 2 year | 2010-12-24 |
| 12 | Horn Antenna (18 ~ 40GHz) | SAS-574 | 154 | Schwarzbeck | 2 year | 2010-11-25 |
| 13 | Horn Antenna (18 ~ 40GHz) | SAS-574 | 155 | Schwarzbeck | 2 year | 2010-11-25 |
| 14 | TRILOG Antenna | VULB 9160 | 9160-3172 | SCHWARZBECK | 2 year | 2010-10-07 |
| 15 | Dipole Antenna | VHA9103 | 2116 | SCHWARZBECK | 2 year | 2010-11-25 |
| 16 | Dipole Antenna | VHA9103 | 2117 | SCHWARZBECK | 2 year | 2010-11-25 |
| 17 | Dipole Antenna | VHA9105 | 2261 | SCHWARZBECK | 2 year | 2010-11-25 |
| 18 | Dipole Antenna | VHA9105 | 2262 | SCHWARZBECK | 2 year | 2010-11-25 |
| 19 | Hygro-Thermograph | THB-36 | 0041557-01 | ISUZU | 2 year | 2010-04-12 |
| 20 | Splitter (SMA) | ZFSC-2-2500 | SF617800326 | Mini-Circuits | - | - |
| 21 | Power Divider | 11636A | 6243 | HP | 2 year | 2010-10-08 |
| 22 | DC Power Supply | 6622A | 3448A03079 | HP | - | - |
| 23 | Frequency Counter | 5342A | 2826A12411 | HP | 1 year | 2012-03-26 |
| 24 | Power Meter | EPM-441A | GB32481702 | HP | 1 year | 2012-03-26 |
| 25 | Power Sensor | 8481A | US41030291 | HP | 1 year | 2011-10-07 |
| 26 | Audio Analyzer | 8903B | 3729A18901 | HP | 1 year | 2011-10-07 |
| 27 | Modulation Analyzer | 8901B | 3749A05878 | HP | 1 year | 2011-10-07 |
| 28 | TEMP & HUMIDITY Chamber | YJ-500 | LTAS06041 | JinYoung Tech | 1 year | 2011-10-07 |
| 29 | Stop Watch | HS-3 | 601Q09R | CASIO | 2 year | 2012-03-26 |
| 30 | LISN | ENV216 | 100408 | R&S | 1 year | 2011-10-07 |
| 31 | UNIVERSAL RADIO COMMUNICATION TESTER | CMU200 | 106243 | R&S | 2 year | 2010-05-13 |
| 32 | Highpass Filter | WHKX1.5/15G-10SS | 74 | Wainwright Instruments | - | - |
| 33 | Highpass Filter | WHKX3.0/18G-10SS | 118 | Wainwright Instruments | - | - |
| 34 | Loop Antenna | FMZB 1516 | 151602/94 | SCHWARZBECK | 2 year | 2011-04-05 |