FCC TEST REPORT for KO JA (Cayman) Co., Ltd Taiwan Branch

Archetype Slim Keyboard Model No.: K52150

Prepared for : KO JA (Cayman) Co., Ltd Taiwan Branch

Address : 8F, No.168, Liancheng Road, Zhonghe Dist, New Taipei City,

Taiwan

Prepared By : Anbotek Compliance Laboratory Limited

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Report Number : 201201671F

Date of Test : Feb. 06~20, 2012 Date of Report : Feb. 23, 2012

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APPENDIX I External photos(2 Pages) APPENDIX II Internal photos(2 Pages)

TEST REPORT

Applicant : KO JA (Cayman) Co., Ltd Taiwan Branch

Manufacturer : Huai An Jiaguan Electronic Technology Co., LTD.

EUT : Archetype Slim Keyboard

Model No. : K52150

Serial No. : N/A

Rating : DC 5V, 300mA

Trade Mark : Archetype

Measurement Procedure Used:;

FCC Part15 Subpart C, Paragraph 15.207, 15.249 & 15.209

The device described above is tested by Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the FCC Part 15 Subpart C requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Anbotek Compliance Laboratory Limited

| Date of Test: | Feb. 06~20, 2012 | | | |
|-------------------------------|-----------------------------|--|--|--|
| Prepared by : | Wen wang | | | |
| - | (Engineer/ Well Wang) | | | |
| Reviewer: | Jerry Du | | | |
| - | (Project Manager/ Jerry Du) | | | |
| Approved & Authorized Signer: | Henry. Yeng | | | |
| _ | (Manager/ Henry Yang) | | | |

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT : Archetype Slim Keyboard

Model Number : K52150

Test Power Supply: DC 5V, 300mA

Frequency: 2402~2480MHz

Antenna : Printed Antenna: 1.87dBi

Specification

PC : Manufacturer: DELL

M/N: OPTIPLEX 380

S/N: 1J63X2X CE , FCC: DOC

MONITOR : Manufacturer: DELL

M/N: E170Sc

S/N: CN-00V539-64180-055-0UPS

CE, FCC: DOC

MOUSE : Manufacturer: DELL

M/N: SK-8115

S/N: CN-0DJ313-71616-06C-02XN

CE, FCC: DOC

Applicant : KO JA (Cayman) Co., Ltd Taiwan Branch

Address : 8F, No.168, Liancheng Road, Zhonghe Dist, New Taipei City,

Taiwan

Manufacturer : Huai An Jiaguan Electronic Technology Co., LTD.

Address : 2 Hongdo West Road, Huai'an Economic&Technological

Development Zone, Huai'an City, Jiangsu Province, China

Date of receiver : Feb. 06, 2012

Date of Test : Feb. 06~20, 2012

1.2. Auxiliary Equipment Used during Test

PC : Manufacturer: DELL

M/N: OPTIPLEX 380

S/N: 1J63X2X CE, FCC: DOC

MONITOR : Manufacturer: DELL

M/N: E170Sc

S/N: CN-00V539-64180-055-0UPS

CE, FCC: DOC

MOUSE : Manufacturer: DELL

M/N: M-UARDEL7

S/N: N/A

CE, FCC: DOC

Cable: 1m, unshielded

Printer : Manufacturer:Brother

M/N: MFC-3360C

S/N: N/A

CE, FCC:DOC

Power Line : Non-Shielded, 1.5m

VGA Cable : Non-Shielded, 1.5m

USB Cable : Non-Shielded, 0.5m

1.3. Description of Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS - LAB Code: L3503

Anbotek Compliance Laboratory Limited., Laboratory has been assessed and in compliance with CNAS/CL01: 2006 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of Testing Laboratories.

FCC-Registration No.: 752021

Anbotek Compliance Laboratory Limited, EMC Laboratory has been registed and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 752021, August 20, 2010.

IC-Registration No.: 8058A-1

Anbotek Compliance Laboratory Limited., EMC Laboratory has been registered and fully described in a report filed with the (IC) Industry Canada. The acceptance letter from the IC is maintained in our files. Registration 8058A-1, August 30, 2010.

Test Location

All Emissions tests were performed at

Anbotek Compliance Laboratory Limited. at 1/F, 1 /Building, SEC Industrial Park, No. 4 Qianhai Road, Nanshan District, Shenzhen, 518054, China

1.4. Measurement Uncertainty

Radiation Uncertainty : Ur = 4.3 dB

Conduction Uncertainty : Uc = 3.4dB

2. MEASURING DEVICE AND TEST EQUIPMENT

| | O DE VICE III | ID IDDI | DQCII III | | |
|--------------------------------------|----------------------|---------|------------|--------------|-----------------|
| Equipment | Manufacturer | Model # | Serial # | Data of Cal. | Due Data |
| EMI Test Receiver | Rohde & Schwarz | ESCI | 100119 | Mar.03, 2011 | Mar.02, 2012 |
| EMI Test Receiver | Rohde & Schwarz | ESIB26 | 100249 | Sep.22, 2011 | Sep.21, 2012 |
| EMI Test Software | SHURPLE | ESK1 | N/A | N/A | N/A |
| Spectrum Analyzer | Agilent | E7405A | MY45114970 | Jun.21, 2011 | Jun.20, 2012 |
| Signal Generator | Rohde & Schwarz | SMR27 | 100124 | Jul.06, 2010 | Jul.05, 2012 |
| Signal Generator | Rohde & Schwarz | SML03 | 102319 | Aug.01, 2010 | Aug.01, 2012 |
| AC Power Source | Sepcial power system | YF650 | N/A | N/A | N/A |
| Absorbing Clamp | Rohde & Schwarz | MDS21 | 100218 | Apr.30, 2010 | Apr.29, 2012 |
| Power Meter | Rohde & Schwarz | NRVD | 101287 | Jul.19, 2011 | Jul.18, 2012 |
| Coaxial Cable | N/A | N/A | N/A | May.31, 2011 | May.30, 2012 |
| Coaxial Cable | N/A | N/A | N/A | May.31, 2011 | May.30, 2012 |
| Coaxial Cable | N/A | N/A | N/A | May.31, 2011 | May.30, 2012 |
| Universal radio Communication tester | Rohde & Schwarz | CMU200 | 101724 | Sep.08, 2011 | Sep.07, 2012 |
| Pulse Limiter | Rohde & Schwarz | ESH3-Z2 | N/A | N/A | N/A |
| BiConilog Antenna | ETS-LINDGREN | 3142C | 00042670 | Mar.03, 2011 | Mar.02, 2012 |
| BiConilog Antenna | ETS-LINDGREN | 3142C | 00042673 | Mar.03, 2011 | Mar.02, 2012 |
| Double-ridged Waveguide horn | ETS-LINDGREN | 3117 | 00035926 | Dec.30, 2010 | Dec.29, 2012 |
| Double-ridged Waveguide horn | ETS-LINDGREN | 3117 | 00041545 | Dec.30, 2010 | Dec.29, 2012 |
| Pre-amplifier | CD | PAM0203 | 804203 | Jun.21, 2011 | Jun.20, 2012 |
| RF Switch | CD | RSU-M3 | 706543 | Jun.21, 2011 | Jun.20, 2012 |
| Thermo-/Hygrometer | N/A | TH01 | N/A | May.03, 2011 | May.02, 2012 |
| Shielding Room | Zhong Yu Electronic | N/A | N/A | N/A | N/A |
| 3m Semi-Anechoic Chamber | Zhong Yu Electronic | N/A | N/A | Apr.28, 2010 | Apr.27, 2012 |

3. Test Procedure

GENERAL: This report shall NOT be reproduced except in full without the written approval of Anbotek Compliance Laboratory Limited. The EUT was transmitting a test signal during the testing.

RADIATION INTERFERENCE: The test procedure used was ANSI STANDARD C63.4-2009 using a spectrum analyzer with a pre-selector. The analyzer was calibrated in dB above a microvolt at the output of the antenna. The resolution bandwidth was 100KHz and the video bandwidth was 300KHz up to 1.0GHz and 1.0MHz with a video BW of 3.0MHz above 1.0GHz. The ambient temperature of the EUT was 74.3oF with a humidity of 69%.

FORMULA OF CONVERSION FACTORS: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dBuV) to the antenna correction factor supplied by the antenna manufacturer. The antenna correction factors are stated in terms of dB. The gain of the Preselector was accounted for in the Spectrum Analyzer Meter Reading.

Example:

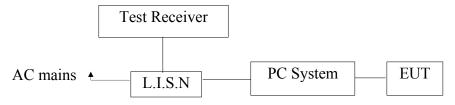
Freq (MHz) METER READING + ACF = FS 20 dBuV + 10.36 dB = 30.36 dBuV/m @ 3m

ANSI STANDARD C63.4-2009 10.1.7 MEASUREMENT PROCEDURES: The EUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m. The EUT was placed in the center of the table (1.5m side). The table used for radiated measurements is capable of continuous rotation. When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.

4. Conducted Limits

4.1. Block Diagram of Test Setup

4.1.1. Block diagram of connection between the EUT and simulators



(EUT: Archetype Slim Keyboard)

4.2. Power Line Conducted Emission Measurement Limits (15.207)

| Frequency | Limits dB(μV) | | | | |
|--------------|------------------|---------------|--|--|--|
| MHz | Quasi-peak Level | Average Level | | | |
| 0.15 ~ 0.50 | 66 ~ 56* | 56 ~ 46* | | | |
| 0.50 ~ 5.00 | 56 | 46 | | | |
| 5.00 ~ 30.00 | 60 | 50 | | | |

Notes: 1. *Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

4.3. Configuration of EUT on Measurement

The following equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

EUT : Archetype Slim Keyboard

Model Number : K52150

Applicant : KO JA (Cayman) Co., Ltd Taiwan Branch

4.4. Operating Condition of EUT

4.4.1. Setup the EUT and simulator as shown as Section 4.1.

4.4.2. Turn on the power of all equipment.

4.4.3. Let the EUT work in test mode (Charging) and measure it.

4.5. Test Procedure

The EUT system is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to FCC ANSI C63.4-2003 on Conducted Emission Measurement.

The bandwidth of test receiver (ESCI) set at 9KHz.

The frequency range from 150KHz to 30MHz is checked.

The test results are reported on Section 4.6.

4.6. Power Line Conducted Emission Measurement Results **PASS.**

The frequency range from 150KHz to 30 MHz is investigated.

Please refer the following pages.

CONDUCTED EMISSION TEST DATA

EUT: Archetype Slim Keyboard M/N: K52150

Operating Condition: Charging

Test Site: 1# Shielded Room

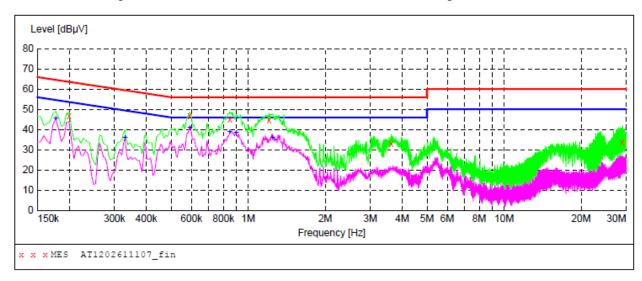
Operator: Well Wamg

AC 120V/60Hz for PC Test Specification:

Comment: Live Line

Tem:25°C Hum:50%

SCAN TABLE: "Voltage(150K~30M) FIN"
Short Description: 150K-30M Disturbance Voltages



MEASUREMENT RESULT: "AT1202611107_fin"

| 2/11/2012 | 10:12AM | | | | | | |
|----------------|---------|--------------|---------------|--------------|----------|------|-----|
| Frequenc MH | - | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
| 0.19950 | 0 46.60 | 10.1 | 64 | 17.0 | QP | L1 | GND |
| 0.59100 | 0 46.90 | 10.1 | 56 | 9.1 | QP | L1 | GND |
| 0.84750 | 0 45.00 | 10.1 | 56 | 11.0 | QP | L1 | GND |
| 1.20700 | 0 44.70 | 10.2 | 56 | 11.3 | QP | L1 | GND |
| 3.62800 | 0 33.20 | 10.4 | 56 | 22.8 | QP | L1 | GND |
| 29.05750 | 0 33.80 | 10.9 | 60 | 26.2 | QP | L1 | GND |

MEASUREMENT RESULT: "AT1202611107 fin2"

| 2/11/2012 10 Frequency MHz | | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|----------------------------------|-------|--------------|---------------|--------------|----------|------|-----|
| 0.177000 | 45.50 | 10.1 | 55 | 9.1 | AV | L1 | GND |
| 0.330000 | 36.10 | 10.1 | 50 | 13.4 | AV | L1 | GND |
| 0.591000 | 41.10 | 10.1 | 46 | 4.9 | AV | L1 | GND |
| 0.847500 | 38.90 | 10.1 | 46 | 7.1 | AV | L1 | GND |
| 0.897000 | 38.60 | 10.1 | 46 | 7.4 | AV | L1 | GND |
| 1.243000 | 36.00 | 10.2 | 46 | 10.0 | AV | L1 | GND |

CONDUCTED EMISSION TEST DATA

EUT: Archetype Slim Keyboard M/N: K52150

Operating Condition: Charging

Test Site: 1# Shielded Room

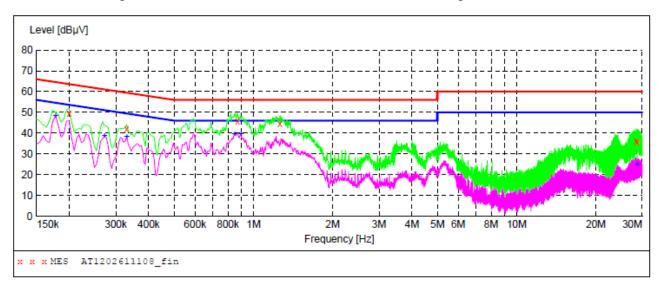
Operator: Well Wamg

Test Specification: AC 120V/60Hz for PC

Comment: Neutral Line

Tem:25°C Hum:50%

SCAN TABLE: "Voltage (150K~30M) FIN"
Short Description: 150K-30M Disturbance Voltages



MEASUREMENT RESULT: "AT1202611108_fin"

| 2/11/2012 1 | .0:17AM | | | | | | |
|------------------|---------|--------------|---------------|--------------|----------|------|-----|
| Frequency MHz | | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
| 0.199500 | 49.60 | 10.1 | 64 | 14.0 | QP | N | GND |
| 0.330000 | 42.20 | 10.1 | 60 | 17.3 | QP | N | GND |
| 0.870000 | 45.70 | 10.1 | 56 | 10.3 | QP | N | GND |
| 1.261000 | 44.50 | 10.2 | 56 | 11.5 | QP | N | GND |
| 28.450000 | 36.00 | 10.9 | 60 | 24.0 | QP | N | GND |
| 28.715500 | 35.80 | 10.9 | 60 | 24.2 | QP | N | GND |

MEASUREMENT RESULT: "AT1202611108 fin2"

| 2/11/2012 1 Frequency MHz | Level | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|-----------------------------------|-------|----------------------|----------------|---------------------|----------|-------------|-------------------|
| 0.177000 0.271500 0.330000 | 38.80 | 10.1 10.1 10.1 | 55 51 50 | 6.1 12.3 11.4 | | N N N | GND GND GND |
| 0.847500 0.897000 28.778500 | 39.50 | 10.1 10.1 10.9 | 46 46 50 | 6.5 6.5 25.1 | | N N N | GND GND GND |

5. Radiation Interference

5.1. Requirements (15.249, 15.209):

| FIELD STRENGTH | FIELD STRENGTH | S15.209 | |
|-----------------|----------------|---------------|---------------|
| of Fundamental: | of Harmonics | 30 - 88 MHz | 40 dBuV/m @3M |
| 902-928 MHZ | | 88 - 216 MHz | 43.5 |
| 2.4-2.4835 GHz | | 216 - 960 MHz | 46 |
| 94 dBμV/m @3m | 54 dBμV/m @3m | ABOVE 960 MHz | 54dBuV/m |

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in 15.209, whichever is the lesser attenuation.

5.2 Test Procedure

The EUT is placed on a turn table which is 0.8 meter high above the ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna which is mounted on a antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on test.

All readings from 30MHz to 1GHz are quasi-peak values with a resolution bandwidth of 120kHz. All reading are above 1GHz, peak & average values with a resolution bandwidth of 1MHz. The EUT is tested in 9*6*6 Chamber.

The test results are listed in Section 5.3.

5.3 Test Results

PASS.

Please refer the following pages.

Data:

| Horizontal | |
|-----------------|--|
| CH Low(2402MHz) | |

| Frequency | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit | Over Limit | Remark |
|-----------|---------------|---------------|------------------|---------------|----------------|----------------|---------------|--------|
| MHz | dB | dB/m | dB | $dB\mu V$ | $dB\mu V/m \\$ | $dB\mu V/m \\$ | dB | |
| 312.17 | 1.6 | 13.30 | 41.40 | 64.21 | 37.71 | 46.00 | -8.29 | QP |
| 360.45 | 1.65 | 13.45 | 41.42 | 57.91 | 31.59 | 46.00 | -14.41 | QP |
| 2402.00 | 2.20 | 31.24 | 35.30 | 88.60 | 86.74 | 114.0 | -27.26 | Peak |
| 2402.00 | 2.20 | 31.24 | 35.30 | 85.50 | 83.64 | 94.0 | -10.36 | AV |
| 4804.10 | 2.64 | 35.11 | 34.71 | 36.55 | 39.59 | 74.0 | -34.41 | Peak |
| 4804.10 | 2.64 | 35.11 | 34.71 | 33.55 | 36.59 | 54.0 | -17.41 | AV |
| 7207.93 | 3.09 | 36.20 | 35.15 | 36.24 | 40.38 | 74.0 | -33.62 | Peak |
| 7207.93 | 3.09 | 36.20 | 35.15 | 33.24 | 34.38 | 54.0 | -19.62 | AV |
| 9608.00 | | | | | | | | |
| 12010.00 | | | | | | | | |
| 14412.00 | | | | | | | | |
| 16814.00 | | | | | | | | |
| 19216.00 | | | | | | | | |
| 21618.00 | | | | | | | | |
| 24020.00 | | | | | | | | |

.

| CH | Midd | le(244 | 1MHz) |
|-----------|-------|--------|----------|
| \sim 11 | wiiuu | 101244 | 11711121 |

| Frequency MHz | Cable Loss dB | Ant Factor dB/m | Preamp Factor dB | Read Level dBµV | Level dBµV/m | Limit dBμV/m | Over Limit dB | Remark |
|------------------|---------------------|-----------------------|------------------------|-----------------------|--------------|-----------------|---------------------|--------|
| 312.17 | 1.6 | 13.30 | 41.40 | 64.35 | 37.85 | 46.00 | -8.15 | QP |
| 2441.01 | 2.21 | 31.25 | 35.90 | 88.55 | 86.11 | 114.0 | -27.89 | Peak |
| 2441.01 | 2.21 | 31.25 | 35.90 | 85.55 | 83.11 | 94.0 | -10.89 | AV |
| 4882.12 | 2.65 | 35.10 | 34.73 | 38.30 | 41.32 | 74.0 | -32.68 | Peak |
| 4882.12 | 2.65 | 35.10 | 34.73 | 35.30 | 38.32 | 54.0 | -15.68 | AV |
| 7323.25 | 3.10 | 36.20 | 35.17 | 34.46 | 38.59 | 74.0 | -35.41 | Peak |
| 7323.25 | 3.10 | 36.20 | 35.17 | 30.46 | 34.59 | 54.0 | -19.41 | AV |
| 9764.00 | | | | | | | | |
| 12205.00 | | | | | | | | |
| 14646.00 | | | | | | | | |
| 17087.00 | | | | | | | | |
| 19528.00 | | | | | | | | |
| 21969.00 | | | | | | | | |
| 24410.00 | | | | | | | | |

| CH | High | (248) | 0MHz |) |
|-----------|--------|-------|---------|---|
| \sim 11 | 111211 | ~TO | OIVIIIZ | , |

| Frequency | Cable | Ant | Preamp | Read | Level | Limit | Over | Remark |
|-----------|-------|--------|--------|----------------------------|--------|--------|--------|--------|
| 1 , | Loss | Factor | Factor | Level | | | Limit | |
| MHz | dB | dB/m | dB | $\mathrm{dB}\mu\mathrm{V}$ | dBμV/m | dBμV/m | dB | |
| | | | | | | | | |
| 312.17 | 1.6 | 13.30 | 41.40 | 63.08 | 36.58 | 46.00 | -9.42 | QP |
| 2480.00 | 2.23 | 31.32 | 36.00 | 85.66 | 83.21 | 114.0 | -30.79 | Peak |
| 2480.00 | 2.23 | 31.32 | 36.00 | 83.66 | 81.21 | 94.0 | -12.79 | AV |
| 4960.10 | 2.67 | 35.06 | 34.80 | 37.30 | 40.23 | 74.0 | -33.77 | Peak |
| 4960.10 | 2.67 | 35.06 | 34.80 | 33.30 | 36.23 | 54.0 | -17.77 | AV |
| 7439.94 | 3.11 | 36.20 | 35.20 | 34.53 | 38.64 | 74.0 | -35.36 | Peak |
| 7439.94 | 3.11 | 36.20 | 35.20 | 30.53 | 34.64 | 54.0 | -19.36 | AV |
| 9920.00 | | | | | | | | |
| 12400.00 | | | | | | | | |
| 14880.00 | | | | | | | | |
| 17360.00 | | | | | | | | |
| 19840.00 | | | | | | | | |
| 22320.00 | | | | | | | | |
| 24800.00 | | | | | | | | |

Vertical CH Low(2402MHz)

| CH Low | (2402MHz | z) | | | | | | |
|-----------|---------------|---------------|------------------|---------------|-------------|-------------|---------------|--------|
| Frequency | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit | Over Limit | Remark |
| MHz | dB | dB/m | dB | $dB\mu V$ | $dB\mu V/m$ | $dB\mu V/m$ | dB | |
| 99.87 | 1.53 | 12.40 | 41.41 | 58.20 | 30.72 | 46.00 | -15.28 | QP |
| 2402.02 | 2.20 | 31.24 | 36.00 | 87.80 | 85.24 | 114.0 | -28.76 | Peak |
| 2402.02 | 2.20 | 31.24 | 36.00 | 85.80 | 83.24 | 94.0 | -10.76 | AV |
| 4804.10 | 2.64 | 35.11 | 34.70 | 36.71 | 39.76 | 74.0 | -34.24 | Peak |
| 4804.10 | 2.64 | 35.11 | 34.70 | 33.71 | 36.76 | 54.0 | -17.24 | AV |
| 7207.93 | 3.09 | 36.20 | 35.17 | 34.50 | 38.62 | 74.0 | -33.38 | Peak |
| 7207.93 | 3.09 | 36.20 | 35.17 | 31.50 | 35.62 | 54.0 | -18.38 | AV |
| 9608.00 | | | | | | | | |
| 12010.00 | | | | | | | | |
| 14412.00 | | | | | | | | |
| 16814.00 | | | | | | | | |
| 19216.00 | | | | | | | | |
| 21618.00 | | | | | | | | |
| 24020.00 | | | | | | | | |

22320.00 24800.00

| 31-K32130 | | | | | | | | |
|-----------|---------------|---------------|------------------|---------------|-------------|-------------|---------------|---------|
| CH Midd | lle(2441M) | Hz) | | | | | | |
| Eragyanav | Cable | Ant | Preamp | Read | Laval | Limit | Over | Damarlı |
| Frequency | Loss | Factor | Factor | Level | Level | Limit | Limit | Remark |
| MHz | dB | dB/m | dB | $dB\mu V$ | $dB\mu V/m$ | $dB\mu V/m$ | dB | |
| 312.17 | 1.6 | 13.30 | 41.40 | 62.56 | 36.06 | 46.00 | -9.94 | QP |
| 2441.01 | 2.21 | 31.25 | 35.90 | 84.87 | 82.43 | 114.0 | -31.57 | Peak |
| 2441.01 | 2.21 | 31.25 | 35.90 | 82.87 | 80.43 | 94.0 | -13.57 | AV |
| 4882.12 | 2.65 | 35.10 | 34.72 | 36.51 | 39.54 | 74.0 | -34.46 | Peak |
| 4882.12 | 2.65 | 35.10 | 34.72 | 33.51 | 36.54 | 54.0 | -17.46 | AV |
| 7323.25 | 3.10 | 36.20 | 35.17 | 33.79 | 37.92 | 74.0 | -36.08 | Peak |
| 7323.25 | 3.10 | 36.20 | 35.17 | 30.79 | 34.92 | 54.0 | -19.08 | AV |
| 9764.00 | | | | | | | | |
| 12205.00 | | | | | | | | |
| 14646.00 | | | | | | | | |
| 17087.00 | | | | | | | | |
| 19528.00 | | | | | | | | |
| 21969.00 | | | | | | | | |
| 24410.00 | | | | | | | | |
| CH High | (2480MHz | z) | | | | | | |
| Frequency | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit | Over Limit | Remark |
| MHz | dB | dB/m | dB | $dB\mu V$ | $dB\mu V/m$ | $dB\mu V/m$ | dB | |
| 99.87 | 1.53 | 12.40 | 41.41 | 57.45 | 29.97 | 46.00 | -16.03 | QP |
| 2480.00 | 2.23 | 31.32 | 36.00 | 84.20 | 81.75 | 114.0 | -32.25 | Peak |
| 2480.00 | 2.23 | 31.32 | 36.00 | 82.20 | 79.75 | 94.0 | -14.25 | AV |
| 4960.10 | 2.67 | 35.06 | 34.80 | 35.05 | 37.98 | 74.0 | -16.02 | Peak |
| 4960.10 | 2.67 | 35.06 | 34.80 | 33.05 | 35.98 | 54.0 | -18.02 | AV |
| 7439.94 | 3.11 | 36.20 | 35.20 | 35.84 | 39.95 | 74.0 | -34.05 | Peak |
| 7439.94 | 3.11 | 36.20 | 35.20 | 32.84 | 36.95 | 54.0 | -17.05 | AV |
| 9920.00 | | | | | | | | |
| 12400.00 | | | | | | | | |
| 14880.00 | | | | | | | | |
| 17360.00 | | | | | | | | |
| 19840.00 | | | | | | | | |
| 2222 | | | | | | | | |

NOTE: " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

6. Occupied Bandwidth

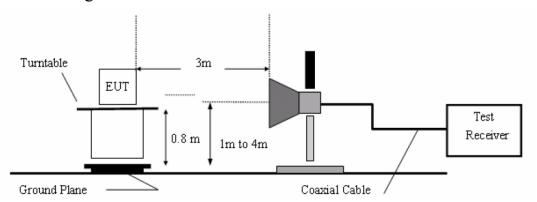
6.1. Requirements (15.249):

The field strength of any emissions appearing outside the band edges and up to 10 kHz above and below the band edges shall be attenuated at least 50 dB below the level of the carrier or to the general limits of 15.249.

6.2. Test Procedure

The EUT is placed on a turn table which is 0.8 meter high above the ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna which is mounted on a antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on test.

6.3. Test Configuration:

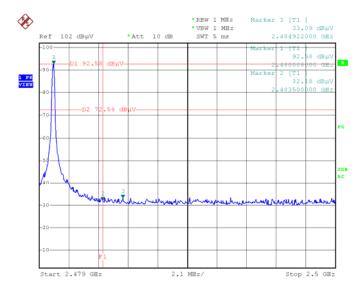


6.4. Test Results

Pass.

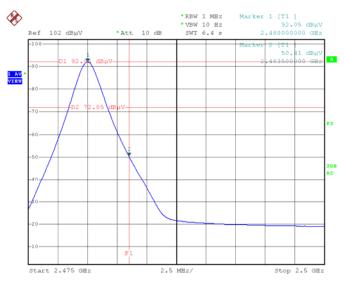
Please refer the following plot.

(Note: Marker 3 means the highest value in 2.31GHz~2.39GHz or 2.4835~2.5GHz)



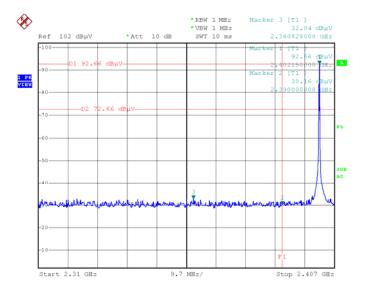
Bandedges=H

Date: 14.FEB.2012 20:21:10



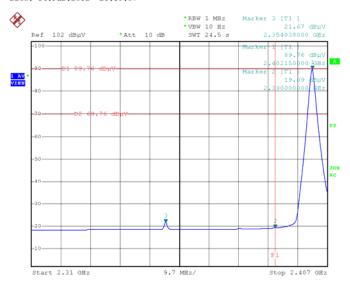
Bandedges=H=AV

Date: 14.FEB.2012 20:24:03



Bandedges-L

Date: 14.FEB.2012 21:19:57



Bandedges-L-AV

Date: 14.FEB.2012 20:27:05