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| | |
|---|---|
| Project: | 08CA53110 |
| File: | TC8340 |
| Report: | 08CA53110-FCC |
| Date: | December 22, 2008 |
| Model: | MiroCam Capsule Endoscope System |
| FCC ID: | VAXINTROMEDIC |

# FCC Evaluation Report for Certification

*Class II Permissive Change*

**For**

**Capsule Endoscope & Receiver**

INTROMEDIC CO., LTD.

SUITE 1101, E&C VENTURE DREAM TOWER 6-CHA 197-28 GURO-DONG,
GURO-GU, SEOUL, KOREA



UL Korea, Ltd
33rd FL, Gangnam Finance Center, 737
Yeoksam-dong, Gangnam-gu, Seoul
135-984 Korea
Tel: +82.2.2009.9000, Fax:+82.2.2009.9405

## Summary of Test Results:

The following tests were performed on a sample submitted for evaluation of compliance with FCC Part 15 Subpart B Class B

| Clause | Test Requirement | Compliant | Not Compliant | See Remark |
|---|---|---|---|---|
| 15.107 | Conducted emissions on AC power Ports | PASS | - | - |
| 15.109 | Radiated emission | PASS | - | - |

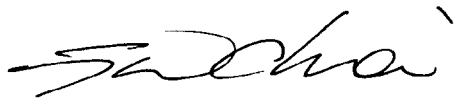
This equipment has been shown to be in compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.4-2003

## Conclusion:

The tests listed in the Summary of Testing section of this report have been performed as a witness testing and the results recorded by UL Korea Ltd. in accordance with the procedures stated in each test requirement and specification. The test list was determined by the Applicant as being applicable to the Equipment Under Test. As a result, the subject product has been verified to comply or not comply as noted in the Summary of Testing with each test specification. The test results relate only to the items tested.

The equipment under test has

☒ Met the technical requirements
☐ Not met the technical requirements



Tested by
Jeawoon Choi, Senior Project Engineer
Conformity Assessment Services – 3014ASEO
UL Korea Ltd.
December 22, 2008

Reviewed by
Kyungyong Kim, EMC Section Manager
Conformity Assessment Services – 3014ASEO
UL Korea Ltd.
December 22, 2008

# Test Report Details

| | |
|---|---|
| Tests Performed By: | UL Korea Ltd.<br>33rd FL. Gangnam Finance Center 737 Yeoksam-dong,<br>Kangnam-ku, Seoul, 135-984, Korea |
| Test Site: | ESTECH Co.,Ltd.<br>97-1, Hoeok-Ri Majang-Myun Icheon-City, Kyonggi-Do Korea |
| Tests Performed For: | INTROMEDIC CO., LTD<br>SUITE 1101, E&C VENTURE DREAM TOWER 6-CHA<br>197-28 GURO-DONG, GURO-GU, SEOUL, KOREA |
| Applicant Contact:<br>Title:<br>Phone:<br>Fax:<br>E-mail: | Chang-Ho, Moon<br>Manager<br>+82-2-801-9381<br>+82-2-801-9330<br>chmoon@intromedic.com |
| Test Report Date: | November 13, 2008 |
| Product Type: | Capsule Endoscope & Receiver |
| Trade Name: | MiroCam |
| Model Name: | MiroCam Capsule Endoscope System<br>(This system is consisted of Capsule endoscope(MC1000-C),<br>Receiver(MR1000-R) and Charger(MR1000-C) |
| FCC ID: | VAXINTROMEDIC |
| FCC Rule Part(s): | FCC Part 15 Subpart B Class B |
| FCC Classification: | Class B Digital Device |
| FCC Procedure: | Class II Permissive Change |
| Sample Receive Date: | November 13, 2008 |
| Testing Start Date: | November 13, 2008 |
| Date Testing Complete: | December 16, 2008 |
| **Overall Results:** | **PASS** |

# Report Directory

# 1 Description of Test Facility

The measurement procedure described in American National Standard for Methods of Measurement of Radio-Noise Emissions From Low-Voltage Electrical and Electronic Equipment in the Range of 9kHz to 40GHz (ASNI C63.4-2003) was used in determining radiated and conducted emissions emanating from INTROMEDIC CO., LTD. Capsule Endoscope & Receiver (Model No.: MiroCam Capsule Endoscope System)

- ESTECH Co.,Ltd.-
- 97-1, Hoeok-Ri Majang-Myun Icheon-City Kyonggi-Do Korea

## 1.1 Official Qualification(s)

KCC : Granted Accreditation from Ministry of Information & Communication for EMC, Safety and Telecommunication (reference no : KR0033)
FCC : Filed Laboratory at Federal Communications Commission (reference no : 100749)
VCCI : Granted Accreditation from Voluntary Control Council for Interference from ITE (reference no : C-1872, R-1757)

# 2 Equipment Description

The Equipment Under Test (EUT) is the INTROMEDIC CO., LTD. Capsule Endoscope & Receiver (Model No.: MiroCam Capsule Endoscope System)

| Capsule Endoscope | |
|---|---|
| Weight : 3.45g | Size : 11 X 24mm |
| Light : 6 white LED | Material : Human Compliance Plastic |
| Lens Angle : 125° | View Angle : 150° |
| Enlargement Ratio : 1:8 | View Depth : 3 cm |
| Sampling Ratio : 2.96 fps | Detectable Range : under 0.1mm |
| Mechanical Safety : Compatible ISO60601-1-1 | Working time : Over 11 hours |
| Battery Type : Silver Oxide Cell | Chemical Safety : Safe in pH=2 ~ pH=8 |
| Storage Temperature : 0 ~ 50℃ | Operation Temperature : 20 ~ 40℃ |

| Capsule Endoscope Receiver Set | |
|---|---|
| Recording Time : 11 Hours | Weight : 350g, include battery |
| Operation Voltage : 3.7V, 0.45A | Battery Type: Lithium Ion Battery (3.7V, 8.8A) |
| Battery Weight : 215g | Operation Temperature : 0 ~ 40℃ |
| Storage Temperature : 0 ~ 55℃ | Category : Type BF |

| Software Specification_ Version: 1.00 | |
|---|---|
| Data Export : JPEG Image, AVI Video Clip, PDF Data Report | Data Display : Single or Multi Image, Time Bar, Color Bar, Diagnosis Data |
| Event Marker : Small Image with Explanation | Running Mode : Normal Mode, Fast Mode |
| Display Mode:Single View, Dual View, Quad View | Image Lost Ratio : Under 100 frame continuously |
| Display Ratio : 5 ~ 30 fps | Language : English |

| Charger | Adapter |
|---|---|
| Input Current : 3A | Manufacturer : AULT KOREA Corp |
| Output Current : 4A | Model name : JMW128KA0902F02 |
| Input Voltage : 110~220VAC | Input : 100-240V, 50/60Hz 1.0A |
| Output Voltage ; 4.2VDC | Output : 9Vdc, 3.0A |

## 2.1 Equipment Used During Test

| Use* | Product Type | Manufacturer | Model | Comments |
|---|---|---|---|---|
| o | Capsule Endoscope & Receiver | INTROMEDIC CO.,LTD | MiroCam Capsule Endoscope System | EUT |
| o | Battery charger | INTROMEDIC CO.,LTD | MR1000-C | EUT |
| o | Adapter | AULT KOREA CORP. | JMW128KA0902F02 | EUT |
| o | UMPC | SAMSUNG | NT-Q1U | N/A |
| o | Adapter | AULT KOREA CORP. | JMW160KA1800F01 | N/A |
| o | Test Fixture | INTROMEDIC CO.,LTD | N/A | AE |
| | | | | |

Note:*Use = EUT - Equipment Under Test, AE - Auxiliary/Associated Equipment, or SIM - Simulator (Not Subjected to Test)

## 2.2 Input/Output Ports

| Port # | Name | Type* | Cable Max. >3m | Cable Shielded | Comments |
|---|---|---|---|---|---|
| 1 | Main power input | AC | 1.80 | Unshielded | Connected with Adapter |
| 2 | Adapter output | DC | 1.45 | Shielded | Connected with EUT |
| 3 | Mini USB port | I/O | 1.5 | Shielded | Connected with EUT and PC |
| 4 | Signal port | I/O | 0.95 | Shielded | Connected with EUT and Test fixture |

Note:*AC= AC Power Port, DC = DC Power Port, N/E = Non-Electrical, TP= Telecommunication Ports
I/O = Signal Input or Output Port (Not Involved in Process Control)

## 2.3 Power Interface

| Mode # | Voltage (V) | Current (A) | Power (W) | Frequency (DC/AC-Hz) | Phases (#) | Comments |
|---|---|---|---|---|---|---|
| Rated | 100~240Vac | 1.0 | - | 50-60 | 1 | Input of AC/DC Adapter |
| | 9Vdc | 3.0 | - | - | - | Output of AC/DC Adapter |
| | 3.7Vdc | 0.45 | - | - | - | Battery of Capsule Endoscope Receiver Unit |

## 2.4 EUT Operation Modes & Configurations

| Mode # | Description |
|---|---|
| **Download** | The picture in the memory of the capsule endoscope receiver is sending to the PC by using the software. |
| **Recording** | The picture is taken by the capsule endoscope and sent to the capsule endoscope receiver through the receiving pad.. |

Note : The worst operating condition of the test sample was found out by preliminary investigation in varying resolution mode which recommended manufacturer . And, the final measurement was performed at the resolution above listed.

## 2.5 Test Configurations:

| Mode # | Description |
|---|---|
| **Download** | The capsule endoscope receiver was connected to the charger.<br>Also the capsule endoscope receiver was connected to the PC through the USB cable and then sent the picture to the PC by using software continuously. |
| **Recording** | The capsule endoscope was connected to the capsule endoscope receiver through the body simulation fixture and then took the picture and sent the picture to the capsule endoscope receiver continuously. |

# 3 Test Conditions and Results – Conducted Emission

| **TEST:** Limits of conducted emission | | | |
|---|---|---|---|
| Method | Measurements were made on a ground plane that extends 1-meter minimum beyond all sides of the system under test. All power was connected to the system through Artificial Mains Network (AMN). Conducted voltage measurements on mains lines were made at the output of the AMN. | | |
| Test Environment | | | |
| Parameters recorded during the test | | Laboratory Ambient Temperature | 21°C |
| | | Relative Humidity | 46 % |
| | | Frequency range on each side of line | Measurement Point |
| Fully configured sample scanned over the following frequency range | | 150kHz to 30MHz | Mains |

| Limits - Class A | | | | |
|---|---|---|---|---|
| Frequency (MHz) | Limit (dBμV) | | | |
| | Quasi-Peak | Result | Average | Result |
| 0.15 to 0.50 | 79 | - | 66 | - |
| 0.50 to 30 | 73 | - | 60 | - |

| **Limits - Class B** | | | | |
|---|---|---|---|---|
| Frequency (MHz) | Limit (dBμV) | | | |
| | Quasi-Peak | Result | Average | Result |
| 0.15 to 0.50 | 66 to 56 | Pass | 56 to 46 | Pass |
| 0.50 to 5 | 56 | Pass | 46 | Pass |
| 5 to 30 | 60 | Pass | 50 | Pass |

Supplementary information: -. Not applicable for Recording mode due to internal battery operation

| **Test Equipment Used** | | | | | |
|---|---|---|---|---|---|
| Description | Manufacturer | Model | Identifier | Cal. Date | Cal. Due |
| LISN | Schwarzbeck | NNLA8120A | 8120161 | 2008.02.29 | 2009.02.28 |
| LISN | Schwarzbeck | ESH3-Z5 | 838979/010 | 2008.02.29 | 2009.02.28 |
| TEST Receive | Rohde & Schwarz | ESPI7 | 100185 | 2008.08.27 | 2009.08.27 |
| Pulse Limiter | Rohde & Schwarz | ESH3Z2 | NONE | 2008.09.10 | 2009.09.10 |

**Table 1. Test data for conducted emission: Download mode**

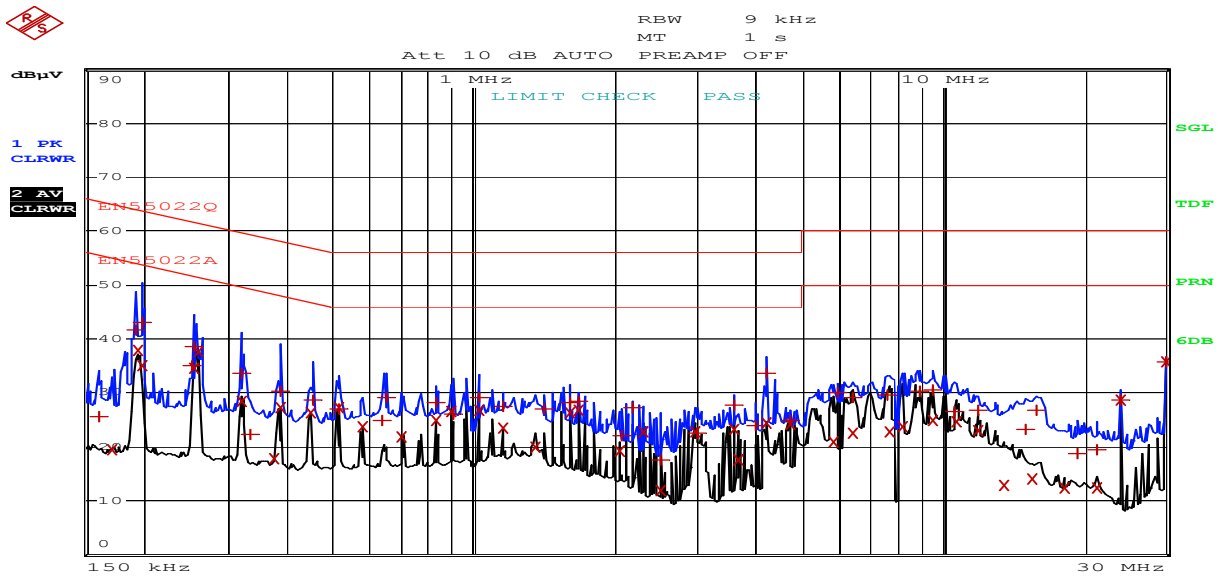
| Test Frequency (MHz) | Correction Factor | | Reading value(dBuV) | | Line | Level(dBuV) | | Limit (dBuV) | | Margin (dB) | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cable | LISN | QP | AV | | QP | AV | QP | AV | QP | AV |
| 0.19 | 0.2 | 0.17 | 41.58 | 37.92 | H | 41.98 | 38.32 | 64.04 | **54.04** | **22.06** | **15.72** |
| 0.20 | 0.2 | 0.17 | 43.38 | 36.72 | N | 43.78 | 37.12 | 63.82 | **53.82** | **20.04** | **16.70** |
| 0.25 | 0.2 | 0.19 | 35.97 | 34.15 | N | 36.39 | 34.57 | 61.63 | **51.63** | **25.23** | **17.05** |
| 0.26 | 0.2 | 0.19 | 39.36 | 37.09 | N | 39.78 | 37.51 | 61.50 | **51.50** | **21.71** | **13.98** |
| 0.32 | 0.2 | 0.21 | 33.70 | 28.50 | H | 34.15 | 28.95 | 59.68 | **49.68** | **25.53** | **20.73** |
| 0.65 | 0.4 | 0.20 | 29.71 | 21.74 | N | 30.29 | 22.32 | 56.00 | **46.00** | **25.71** | **23.68** |
| 0.84 | 0.4 | 0.20 | 28.30 | 24.80 | H | 28.92 | 25.42 | 56.00 | **46.00** | **27.08** | **20.58** |
| 0.97 | 0.5 | 0.18 | 28.99 | 26.39 | N | 29.66 | 27.06 | 56.00 | **46.00** | **26.34** | **18.94** |
| 1.03 | 0.5 | 0.18 | 29.24 | 26.79 | H | 29.93 | 27.48 | 56.00 | **46.00** | **26.07** | **18.52** |
| 4.21 | 0.6 | 0.30 | 33.58 | 24.26 | H | 34.45 | 25.13 | 56.00 | **46.00** | **21.55** | **20.87** |
| 5.98 | 0.7 | 0.40 | 30.07 | 20.89 | H | 31.16 | 21.98 | 60.00 | **50.00** | **28.84** | **28.02** |
| 8.94 | 0.8 | 0.49 | 30.29 | 23.66 | H | 31.63 | 25.00 | 60.00 | **50.00** | **28.37** | **25.00** |
| 9.20 | 0.9 | 0.49 | 30.93 | 23.59 | N | 32.28 | 24.94 | 60.00 | **50.00** | **27.72** | **25.06** |
| 9.52 | 0.9 | 0.50 | 30.64 | 24.95 | H | 32.01 | 26.32 | 60.00 | **50.00** | **27.99** | **23.68** |
| 30.00 | 1.5 | 0.99 | 35.70 | 35.75 | H | 38.17 | 38.22 | 60.00 | **50.00** | **21.83** | **11.78** |

**Table 2. Test data for conducted emission: Recording mode**

| Test Frequency (MHz) | Correction Factor | | Reading value(dBuV) | | Line | Level(dBuV) | | Limit (dBuV) | | Margin (dB) | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cable | LISN | QP | AV | | QP | AV | QP | AV | QP | AV |
| 0.20 | 0.2 | 0.17 | 43.71 | 37.59 | H | 44.11 | 37.99 | 63.82 | **53.82** | **19.71** | **15.83** |
| 0.25 | 0.2 | 0.19 | 34.39 | 34.27 | H | 34.81 | 34.69 | 61.66 | **51.66** | **26.85** | **16.97** |
| 0.26 | 0.2 | 0.19 | 38.90 | 36.69 | N | 39.32 | 37.11 | 61.46 | **51.46** | **22.14** | **14.35** |
| 0.32 | 0.2 | 0.21 | 32.43 | 28.24 | N | 32.88 | 28.69 | 59.60 | **49.60** | **26.72** | **20.91** |
| 0.33 | 0.2 | 0.21 | 30.74 | 28.14 | H | 31.20 | 28.60 | 59.55 | **49.55** | **28.36** | **20.96** |
| 0.39 | 0.3 | 0.21 | 30.24 | 26.67 | N | 30.73 | 27.16 | 58.15 | **48.15** | **27.42** | **20.99** |
| 0.52 | 0.4 | 0.20 | 28.88 | 27.36 | N | 29.44 | 27.92 | 56.00 | **46.00** | **26.56** | **18.08** |
| 0.90 | 0.5 | 0.19 | 28.70 | 26.18 | H | 29.35 | 26.83 | 56.00 | **46.00** | **26.65** | **19.17** |
| 0.97 | 0.5 | 0.18 | 28.92 | 25.75 | N | 29.59 | 26.42 | 5600 | **46.00** | **26.41** | **19.58** |
| 1.48 | 0.5 | 0.20 | 29.35 | 27.35 | H | 30.02 | 28.02 | 56.00 | **46.00** | **25.98** | **17.98** |
| 4.22 | 0.6 | 0.30 | 43.21 | 17.81 | H | 44.08 | 18.68 | 56.00 | **46.00** | **11.92** | **27.32** |
| 5.85 | 0.7 | 0.39 | 29.72 | 25.06 | H | 30.79 | 26.13 | 60.00 | **50.00** | **29.21** | **23.87** |
| 6.95 | 0.8 | 0.48 | 29.39 | 22.60 | H | 30.62 | 23.83 | 60.00 | **50.00** | **29.38** | **26.17** |
| 7.60 | 0.8 | 0.48 | 29.39 | 27.49 | N | 30.66 | 28.76 | 60.00 | **50.00** | **29.34** | **21.24** |
| 8.43 | 0.8 | 0.49 | 31.24 | 21.48 | H | 32.55 | 22.79 | 60.00 | **50.00** | **27.45** | **27.21** |
| 9.52 | 0.9 | 0.50 | 29.52 | 18.34 | N | 30.89 | 19.71 | 60.00 | **50.00** | **29.11** | **30.29** |
| 30.00 | 1.5 | 0.99 | 38.25 | 38.29 | H | 40.72 | 40.76 | 60.00 | **50.00** | **19.28** | **9.24** |

**Figure 1. Graphical representation of conducted emissions_Download mode**

**HOT**

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**NEUT**

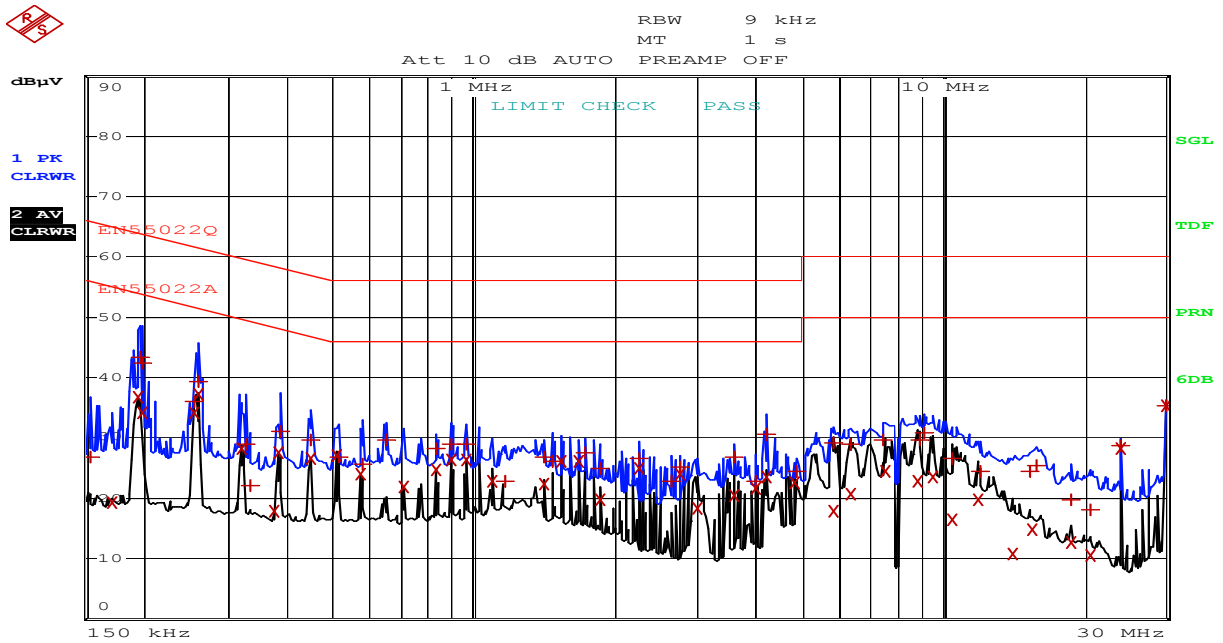


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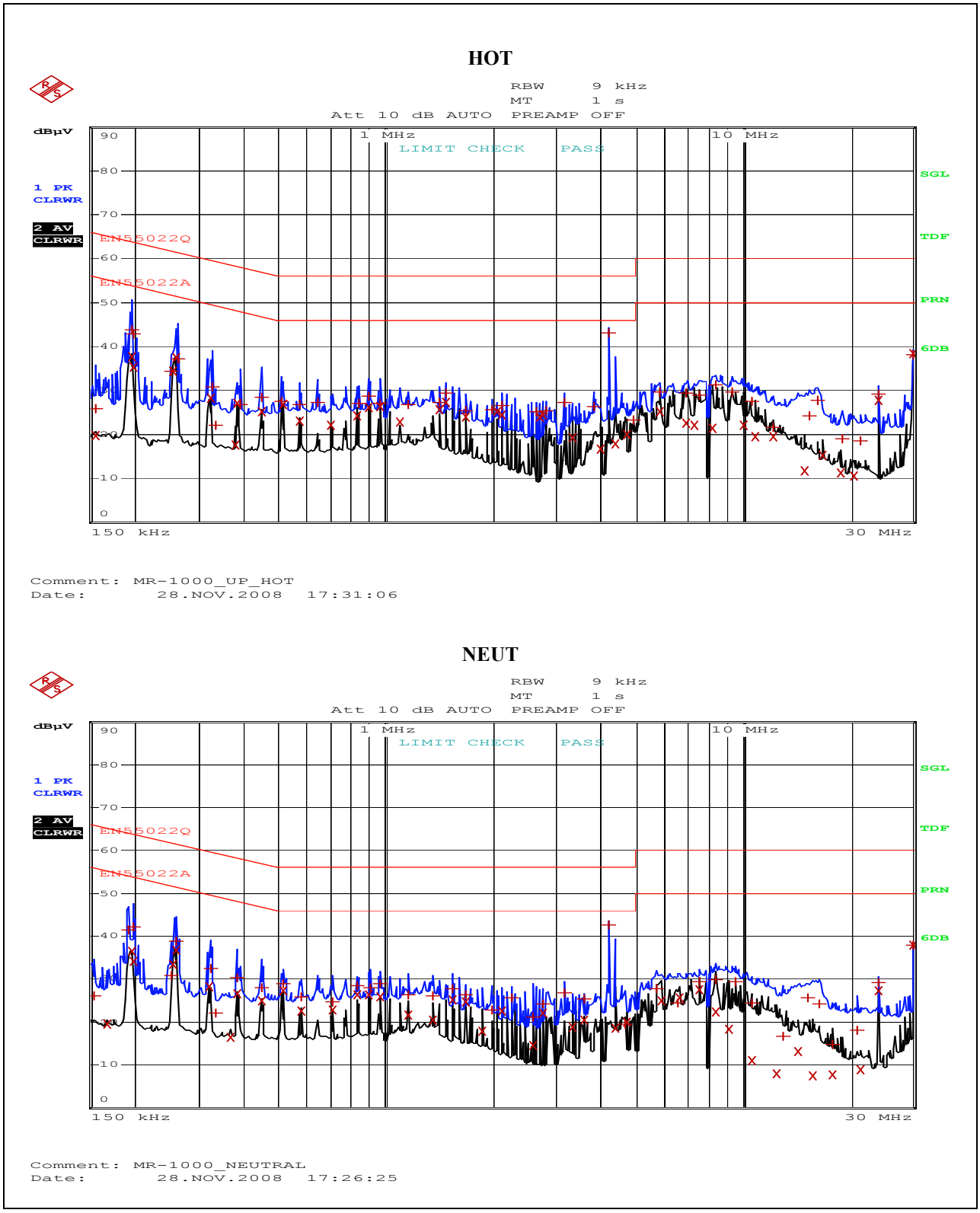
**Figure 2. Graphical representation of conducted emissions_Download mode**



# 4 Test Conditions and Results – Radiated Emission

| **TEST:** Limits for radiated disturbance | | |
|---|---|---|
| Method | Measurements were made at 10-meter open site that complies to CISPR 16/ANSI C63.4. Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 3-meter. The EUT was rotated 360° about its azimuth with the receive antenna located at 1, 2, 3 and 4 meter heights in both horizontal and vertical polarities. Final measurements (quasi-peak or average as noted) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4-meters. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable. | |
| Test Environment | | |
| Parameters recorded during the test | Laboratory Ambient Temperature | 10°C |
| | Relative Humidity | 42 % |
| | Frequency range | Measurement Point |
| Fully configured sample scanned over the following frequency range | 30MHz – 1GHz | (3 meter measurement distance) |

| **Limits - Class B(3m)** | | |
|---|---|---|
| Frequency (MHz) | Limit (dBμV/m) | |
| | Quasi-Peak | Results |
| 30 to 88 | 40 | PASS |
| 88 to 216 | 43.5 | PASS |
| 216 to 960 | 46 | PASS |
| Above 960 | 54 | PASS |

| **Test Equipment Used** | | | | | |
|---|---|---|---|---|---|
| Description | Manufacturer | Model | Identifier | Cal. Date | Cal. Due |
| Test Receiver | Rohde & Schwarz | ESVS10 | 838562/002 | 2008. 1. 24 | 2009. 1. 24 |
| Spectrum Analyzer | ADVANTEST | R3261C | 61720116 | 2008. 4. 22 | 2009. 4. 22 |
| LogBicon Antenna | Schwarzbeck | VULB 9160 | 3142 | 2008. 5. 15 | 2009. 5. 15 |
| Amplifier | HP | 8447F | 2805A02972 | 2008. 6. 26 | 2009. 6. 26 |
| Turn Table | EMCO | 2087 | 2129 | N/A | N/A |
| Antenna Mast | EMCO | 2070-01 | 9702-203 | N/A | N/A |
| ANT Mast Controller | EMCO | 2090 | 1535 | N/A | N/A |
| Turn Table Controller | EMCO | 2090 | 1535 | N/A | N/A |

**Table 3: Test mode- Download mode**

| Test Frequency (MHz) | Meter Reading (dBuV) | Detector (Pk/QP) | Polarity (V/H) | Azimuth (Degrees) | Antenna Height (cm) | Gain/Loss Factor (dB) | Transducer Factor (dB/m) | Level dBuV/m | Limit 1 dBuV/m | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|---|
| 50.54 | 12.90 | QP | V | 177 | 1.0 | 1.1 | 12.46 | 26.46 | 40.0 | -13.54 |
| 78.88 | 12.10 | QP | H | 76 | 4.0 | 1.4 | 8.33 | 21.79 | 40.0 | -18.21 |
| 120.00 | 17.70 | QP | V | 84 | 1.0 | 1.8 | 11.18 | 30.64 | 43.5 | -12.86 |
| 153.61 | 10.10 | QP | H | 90 | 4.0 | 2.0 | 12.74 | 24.85 | 43.5 | -18.65 |
| 166.30 | 11.40 | QP | V | 270 | 1.0 | 2.1 | 12.21 | 25.76 | 43.5 | -17.74 |
| 202.83 | 13.50 | QP | H | 100 | 4.0 | 2.3 | 9.77 | 25.62 | 43.5 | -17.88 |
| 216.0 | 17.00 | QP | V | 140 | 1.0 | 2.5 | 10.22 | 29.71 | 43.5 | -13.79 |
| 232.30 | 13.60 | QP | H | 98 | 2.8 | 2.6 | 10.79 | 27.01 | 46.0 | -18.99 |
| 240.00 | 21.50 | QP | V | 145 | 1.0 | 2.7 | 11.05 | 35.24 | 46.0 | -10.76 |
| 288.01 | 15.90 | QP | H | 260 | 1.6 | 3.1 | 12.58 | 31.58 | 46.0 | -14.42 |
| 360.00 | 16.80 | QP | V | 78 | 1.4 | 3.7 | 14.23 | 34.72 | 46.0 | -11.28 |
| 404.96 | 13.60 | QP | H | 240 | 1.0 | 4.0 | 15.28 | 32.93 | 46.0 | -13.07 |
| 480.01 | 13.80 | QP | H | 95 | 1.0 | 4.6 | 16.87 | 35.26 | 46.0 | -10.74 |
| 720.01 | 7.50 | QP | V | 85 | 1.4 | 6.6 | 21.06 | 35.13 | 46.0 | -10.87 |
| 960.01 | 9.40 | QP | V | 114 | 1.6 | 8.2 | 24.06 | 41.70 | 54.0 | -12.30 |

Supplementary information:

This table is to be use when Gain/Loss and Transducer Factors are provided separately.

**Table 4: Test mode- Recording mode**

| Test Frequency (MHz) | Meter Reading (dBuV) | Detector (Pk/QP) | Polarity (V/H) | Azimuth (Degrees) | Antenna Height (cm) | Gain/Loss Factor (dB) | Transducer Factor (dB/m) | Level dBuV/m | Limit 1 dBuV/m | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|---|
| 50.54 | 12.80 | QP | V | 170 | 1.0 | 1.1 | 12.46 | 26.36 | 40.0 | -13.64 |
| 78.89 | 12.00 | QP | H | 68 | 4.0 | 1.4 | 8.33 | 21.69 | 40.0 | -18.31 |
| 120.00 | 17.60 | QP | V | 59 | 1.0 | 1.8 | 11.18 | 30.54 | 43.5 | -12.96 |
| 153.62 | 8.90 | QP | H | 95 | 2.4 | 2.0 | 12.74 | 23.65 | 43.5 | -19.85 |
| 166.30 | 11.10 | QP | V | 78 | 1.0 | 2.1 | 12.21 | 25.46 | 43.5 | -18.04 |
| 202.82 | 13.80 | QP | H | 98 | 1.5 | 2.3 | 9.77 | 25.92 | 43.5 | -17.58 |
| 216.00 | 17.10 | QP | V | 65 | 1.0 | 2.5 | 10.22 | 29.81 | 43.5 | -13.69 |
| 232.29 | 13.70 | QP | H | 185 | 1.4 | 2.6 | 10.79 | 27.11 | 46.0 | -18.89 |
| 240.00 | 21.60 | QP | V | 137 | 1.0 | 2.7 | 11.05 | 35.34 | 46.0 | -10.66 |
| 288.01 | 16.70 | QP | H | 175 | 1.0 | 3.1 | 12.58 | 32.38 | 46.0 | -13.62 |
| 328.85 | 11.60 | QP | V | 144 | 1.3 | 3.5 | 13.58 | 28.64 | 46.0 | -17.36 |
| 360.00 | 16.70 | QP | V | 167 | 1.5 | 3.7 | 14.23 | 34.62 | 46.0 | -11.38 |
| 394.49 | 14.80 | QP | V | 52 | 1.6 | 4.0 | 15.01 | 33.78 | 46.0 | -12.22 |
| 404.96 | 13.60 | QP | H | 100 | 1.0 | 4.0 | 15.28 | 32.93 | 46.0 | -13.07 |
| 420.00 | 8.40 | QP | V | 37 | 1.0 | 4.2 | 15.70 | 28.30 | 46.0 | -17.70 |
| 480.00 | 13.90 | QP | H | 165 | 1.0 | 4.6 | 16.87 | 35.36 | 46.0 | -10.64 |
| 720.00 | 7.80 | QP | V | 151 | 1.6 | 6.6 | 21.06 | 35.43 | 46.0 | -10.57 |
| 960.00 | 9.50 | QP | V | 217 | 1.4 | 8.2 | 24.06 | 41.80 | 46.0 | -4.20 |
| Supplementary information:<br>This table is to be use when Gain/Loss and Transducer Factors are provided separately. | | | | | | | | | | |