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Project: 11CA27209
File: TC8340
Report: 11CA27209-FCC
Date: May 13, 2011
Model: MiroCam Capsule Endoscope System
FCC ID: VAXINTROMEDIC3

FCC Evaluation Report for Certification

For
Capsule Endoscope & Receiver

INTROMEDIC CO., LTD.

SUITE 1104, E&C VENTURE DREAM TOWER 6-CHA 197-28 GURO-DONG, GURO-GU, SEOUL, KOREA

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Only those products bearing the UL Mark should be considered as being covered by UL.

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to public safety and committed to
quality service for over 100 years

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
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Conformity Assessment Services - 3014ASEO
UL Korea Ltd.
March 02, 2011

Reviewed by
Jeawoon, Choi, Senior Project Engineer
Conformity Assessment Services - 3014ASEO
UL Korea Ltd.
March 02, 2011

Test Report Details

| | |
|------------------------|---|
| Tests Performed By: | UL Korea Ltd. 33 rd FL. Gangnam Finance Center 737 Yeoksam-dong, Kangnam-ku, Seoul, 135-984, Korea |
| Test Site: | EMC Compliance Ltd. 480-5 Sin-dong, Yeongtong-gu, Suwon-city, Gyeonggi-do, 443-390, Korea |
| Tests Performed For: | INTROMEDIC CO., LTD SUITE 1104, E&C VENTURE DREAM TOWER 6-CHA 197-28 GURO-DONG, GURO-GU, SEOUL, KOREA |
| Applicant Contact: | Jinyoung, Lee |
| Title: | Deputy General Manager |
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| E-mail: | jylee@intromedic.com |
| Test Report Date: | 2011-05-13 |
| Product Type: | Capsule Endoscope & Receiver |
| Trade Name: | MiroCam |
| Model Name: | MiroCam Capsule Endoscope System |
| FCC ID: | VAXINTROMEDIC3 |
| FCC Rule Part(s): | FCC Part 15 Subpart B Class B |
| FCC Classification: | Class B Digital Device |
| FCC Procedure: | Certification |
| Sample Receive Date: | 2011-04-19 |
| Testing Start Date: | 2011-04-24 |
| Date Testing Complete: | 2011-05-02 |
| Overall Results: | PASS |

UL Korea Ltd. reports apply only to the specific samples tested under stated test conditions. All samples tested were in good operating condition throughout the entire test program. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. UL Korea Ltd. shall have no liability for any deductions, inferences or generalizations drawn by the client or others from UL Korea Ltd. issued reports. This report shall not be used to claim, constitute or imply product certification, approval, or any agency of the US government.

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Project Number: 11CA27209 File Number: TC8340 Date of Issue :
Model Number: MiroCam Capsule Endoscope System May 13, 2011

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)

- EMC Compliance Ltd.
- 480-5 Sin-dong, Yeongtong-gu, Suwon-city, Gyeonggi-do, 443-390, Korea

1.1 Official Qualification(s)

KCC : Granted Accreditation from Ministry of Information & Communication for EMC, Safety and Telecommunication December 16, 2009 (Designation: KR0040)

FCC : Details of the measurement facilities used for these tests have been filed with the Federal Communications Commission's Laboratory in Columbia, Maryland and accepted in a letter dated.
April 01, 2005 (FCC CAB: KR0040)

VCCI : Accepted as an Associate Member to the VCCI. The measurement facilities detailed in this test
(VCCI Registration No.: R-3327, G-198, C-3706, T-1849)

KOLAS : Accredited by Korea Laboratory Accreditation Scheme (KOLAS) as Testing Laboratory in accordance with the provisions of Article 23 of the National Standards Act. These criteria encompass the requirements of ISO/IEC 17025:2000. (KOLAS No.: 231)

Industry of Canada : Accredited by Industry Canada for performance of radiated measurements.
(Industry Canada Registration No.: 8035A)

2 Equipment Description

The Equipment Under Test (EUT) is the INTROMEDIC CO., LTD.

Capsule Endoscope & Receiver (Model No.: MiroCam Capsule Endoscope System)

| Capsule Endoscope : MC 1000 | |
|---|---------------------------------------|
| 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 °C | Operation Temperature : 20 ~ 40 °C |

| Capsule Endoscope Receiver Set : MR 1100 | |
|--|--|
| 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 : 215 | Operation Temperature : 0 ~ 40 °C |
| Storage Temperature : 0 ~ 55 °C | 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 : MR 1000-C | 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 |
|------|-------------------------------------|---------------------|----------------------------------|-----------------------------|
| 1 | Capsule Endoscope & Receiver | INTROMEDIC | MiroCam Capsule Endoscope System | EUT |
| 2 | Ultra Low Power 802.11 b/g/n Module | Redpine Signals Inc | RS9110-N-11-02 | EUT(FCC ID:XF6-RS9110N1102) |
| 3 | Headset | inkel | ES-304 | AE |
| 4 | Printer | HP | MY04417243 | AE |
| 5 | USB Mouse | Microsoft | MSK-1088 | AE |
| 6 | Note PC | SAMSUNG | NT-R71 | AE |
| 7 | JIG | - | - | AE |
| 8 | iPad | A1219 | Apple | 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 | Cradle power input | AC | 1.6 | Unshielded | Connected with Adapter |
| 2 | USB | I/O | 0.8 | Shielded | Connected with Note PC |
| 3 | Data | I/O | 0.5 | Shielded | Connected with Note JIG |
| 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 |
| | 3.6Vdc | 0.40 | - | - | - | Battery of Capsule Endoscope Receiver Unit |

2.4 EUT Operation Modes & Configurations

| Mode # | Description |
|----------------|--|
| Uploading mode | The test was conducted by using the program which was provided by manufacturer |
| Wireless mode | Wireless real-time view mode. |
| Telecom mode | Telecom mode real-time view mode. |

2.5 Test Configurations:

| Mode # | Description |
|----------------|--|
| Uploading mode | The test was conducted by using the program which was provided by manufacturer |
| Wireless mode | Wireless real-time view mode. |
| Telecom mode | Telecom mode real-time view mode. |

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 | | 21.0 °C | | | | | |
| | Relative Humidity | | 33.0 % | | | | | |
| | 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 (dB μ V) | | | | | | | |
| | Quasi-Peak | Result | Average | Result | | | | |
| 0.15 to 0.50 | 79 | - | 66 | - | | | | |
| 0.50 to 30 | 73 | - | 60 | - | | | | |
| Limits - Class B | | | | | | | | |
| Frequency (MHz) | Limit (dB μ V) | | | | | | | |
| | 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 |
| Test Receiver | R&S | ESHS30 | 844827/011 | 2010.08.16 | 2011.08.16 |
| LISN | R&S | ESH3-Z5 | 846125/024 | 2010.08.04 | 2011.08.04 |
| LISN | PMM | L3-32 | 0120J20305 | - | - |

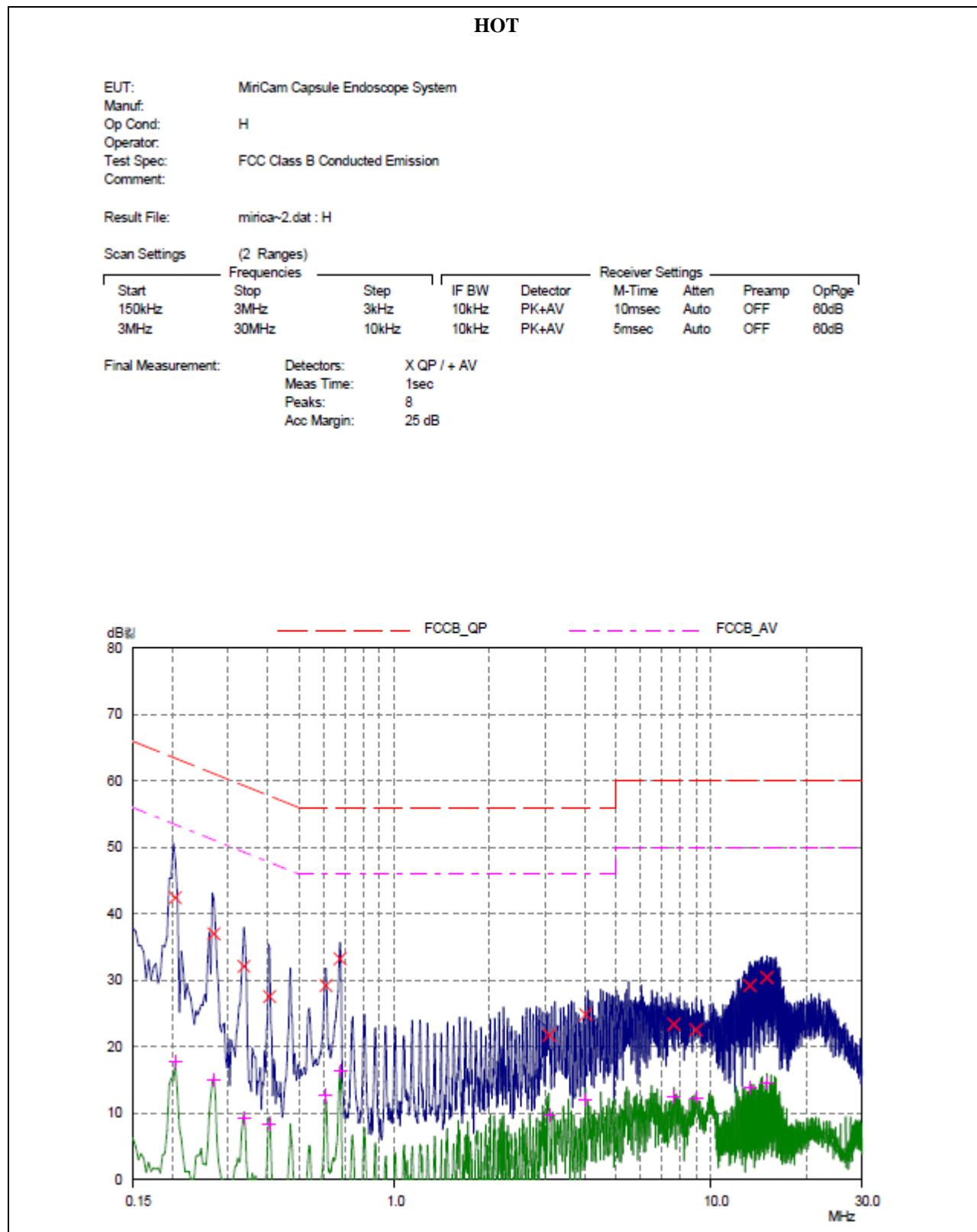
Table 1. Test data for conducted emission: Download mode (Uploading mode)

| 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 |
| 0.198 | 0.07 | 0.02 | 42.63 | 17.34 | N | 42.72 | 17.43 | 63.69 | 53.69 | 20.97 | 36.26 |
| 0.204 | 0.09 | 0.02 | 42.45 | 17.75 | H | 42.56 | 17.86 | 63.45 | 53.45 | 20.89 | 35.59 |
| 0.270 | 0.09 | 0.02 | 37.01 | 15.05 | H | 37.12 | 15.16 | 61.12 | 51.12 | 24.00 | 35.96 |
| 0.336 | 0.09 | 0.03 | 32.10 | 9.29 | H | 32.22 | 9.41 | 59.30 | 49.30 | 27.08 | 39.89 |
| 0.405 | 0.08 | 0.02 | 27.58 | 8.33 | H | 27.68 | 8.43 | 57.75 | 47.75 | 30.07 | 39.32 |
| 0.609 | 0.08 | 0.03 | 29.25 | 12.68 | N | 29.36 | 12.79 | 56.00 | 46.00 | 26.64 | 33.21 |
| 0.675 | 0.08 | 0.03 | 33.30 | 16.45 | N | 33.41 | 16.56 | 56.00 | 46.00 | 22.59 | 29.44 |
| 3.090 | 0.11 | 0.04 | 21.76 | 9.82 | H | 21.91 | 9.97 | 56.00 | 46.00 | 34.09 | 36.03 |
| 3.150 | 0.11 | 0.04 | 23.65 | 11.05 | N | 23.80 | 11.20 | 56.00 | 46.00 | 32.20 | 34.80 |
| 4.020 | 0.12 | 0.05 | 24.86 | 12.04 | H | 25.03 | 12.21 | 56.00 | 46.00 | 30.97 | 33.79 |
| 4.490 | 0.12 | 0.05 | 25.46 | 12.09 | N | 25.63 | 12.26 | 56.00 | 46.00 | 30.37 | 33.74 |
| 5.560 | 0.21 | 0.06 | 24.75 | 11.75 | N | 25.02 | 12.02 | 60.00 | 50.00 | 34.98 | 37.98 |
| 6.630 | 0.23 | 0.06 | 23.94 | 12.81 | N | 24.23 | 13.10 | 60.00 | 50.00 | 35.77 | 36.90 |
| 7.640 | 0.26 | 0.07 | 23.39 | 12.41 | H | 23.72 | 12.74 | 60.00 | 50.00 | 36.28 | 37.26 |
| 13.270 | 0.40 | 0.08 | 29.21 | 13.75 | H | 29.69 | 14.23 | 60.00 | 50.00 | 30.31 | 35.77 |
| 14.470 | 0.34 | 0.08 | 29.15 | 13.75 | N | 29.57 | 14.17 | 60.00 | 50.00 | 30.43 | 35.83 |
| 15.010 | 0.43 | 0.09 | 30.43 | 14.55 | H | 30.95 | 15.07 | 60.00 | 50.00 | 29.05 | 34.93 |

Note: 1. Margin (dB)= Limit (dBuV) - Level (dBuV)

2. If no frequencies are specified in the tables, no measurement for quasi-peak or average was necessary.

Figure 1. Graphical representation of conducted emissions_ Uploading mode



NEUT

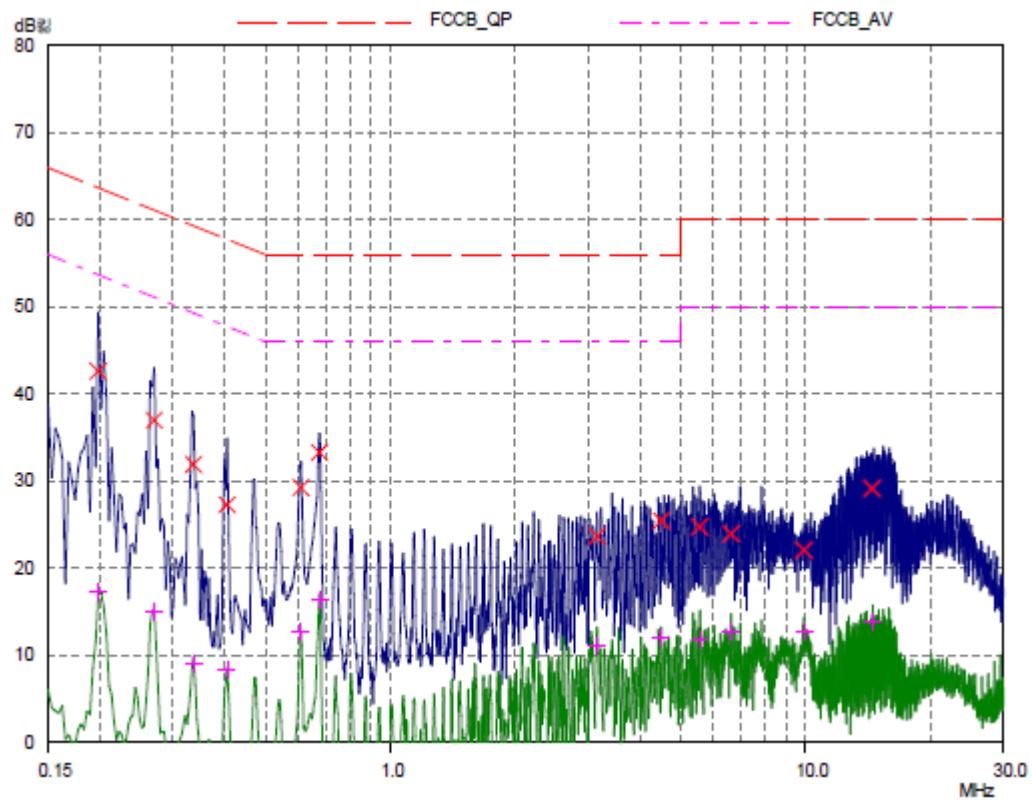
EUT: MiroCam Capsule Endoscope System
Manuf: N
Op Cond: N
Operator:
Test Spec: FCC Class B Conducted Emission
Comment:

Result File: mirica~1.dat : N

Scan Settings (2 Ranges)

| Frequencies | | | Receiver Settings | | | | | |
|-------------|-------|-------|-------------------|----------|--------|-------|--------|-------|
| Start | Stop | Step | IF BW | Detector | M-Time | Atten | Preamp | OpRge |
| 150kHz | 3MHz | 3kHz | 10kHz | PK+AV | 10msec | Auto | OFF | 60dB |
| 3MHz | 30MHz | 10kHz | 10kHz | PK+AV | 5msec | Auto | OFF | 60dB |

Final Measurement: Detectors: X QP / + AV
Meas Time: 1sec
Peaks: 8
Acc Margin: 25 dB



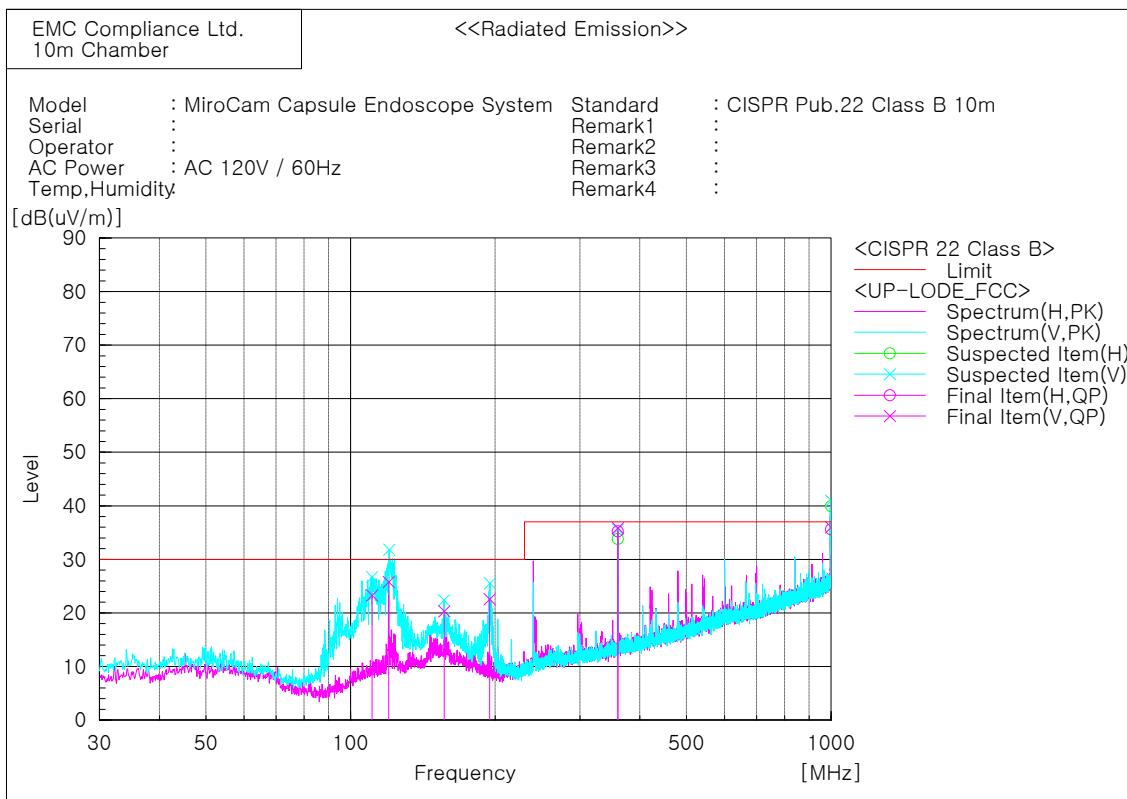
4. Test Conditions and Results – Radiated Emission

| 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 | 22.0 °C |
| | Relative Humidity | 30.0 % |
| Frequency range | | Measurement Point |
| Fully configured sample scanned over the following frequency range | 30MHz – 1GHz 1MHz – 2GHz | 10, 3 meter measurement distance |
| Limits - Class B(3m) | | |
| Frequency (MHz) | Limit (dB μ V/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 | R&S | ESCI | 100710 | 2010.12.01 | 2011.12.01 |
| Bi-Log Antenna | SCHWARZBECK | VULB 9160 | 3228 | 2011.09.13 | 2012.09.13 |
| Amplifier | SONOMA INSTRUMENT | 310N | 293004 | 2010.12.01 | 2011.12.01 |
| 3 dB Attenuator | HP | 8491A | 27444 | 2010.11.30 | 2011.11.30 |
| Antenna Mast | Innco Systems | MA4000-EP | 303 | - | - |
| Turn Table | Innco Systems | DT2000S-1t | 079 | - | - |
| Test Receiver | R&S | ESCI | 100710 | 2010.12.01 | 2011.12.01 |
| Amplifier | AGILENT | 8449B | 3008A01802 | 2010.05.14 | 2011.05.14 |
| Horn ANT | ETS | 3115 | 00086706 | 2010.12.22 | 2011.12.22 |

Table 2: Test mode- Uploading mode

* 30 MHZ - 1 GHZ

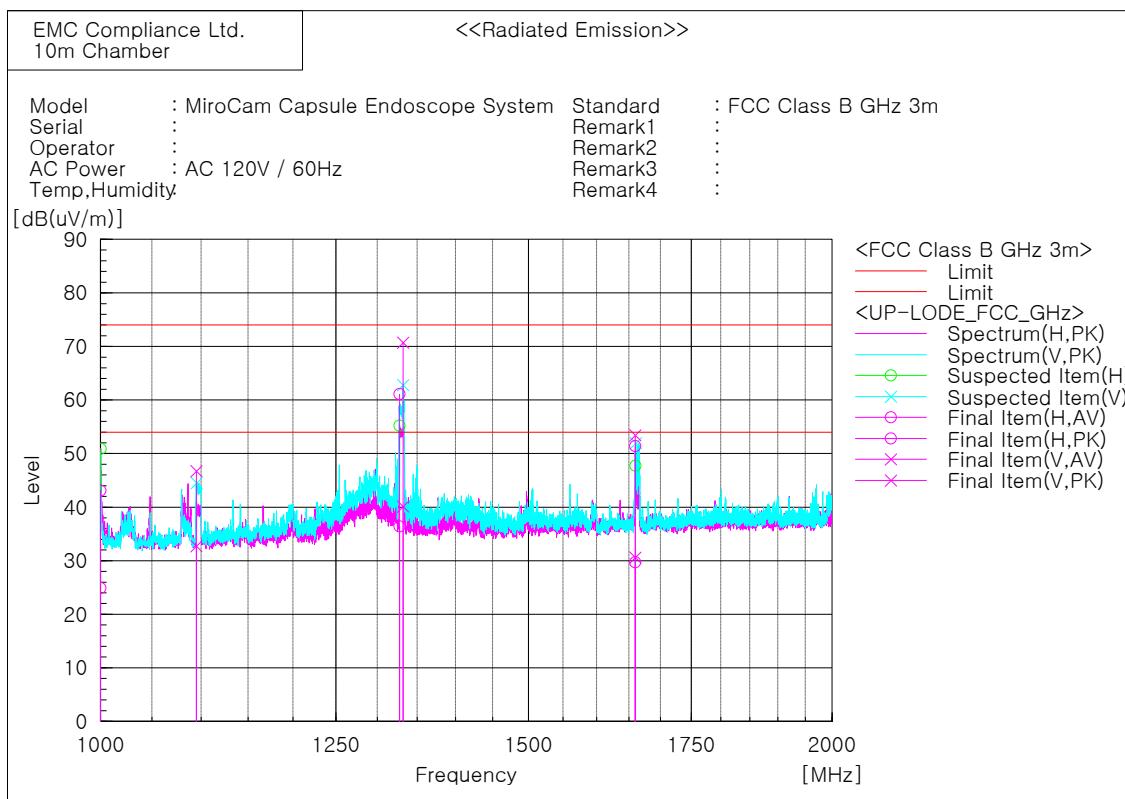


Final Result

| No. | Frequency [MHz] | (P) QP | Reading QP [dB(uV)] | c.f [dB(1/m)] | Result QP [dB(uV/m)] | Limit QP [dB] | Margin QP [dB] | Height [cm] | Angle [deg] |
|-----|-----------------|--------|---------------------|---------------|----------------------|---------------|----------------|-------------|-------------|
| 1 | 110.715 | V | 40.8 | -17.5 | 23.3 | 30.0 | 6.7 | 100.0 | 99.2 |
| 2 | 119.996 | V | 42.5 | -16.7 | 25.8 | 30.0 | 4.2 | 199.0 | 62.5 |
| 3 | 156.489 | V | 35.1 | -14.8 | 20.3 | 30.0 | 9.7 | 100.0 | 141.7 |
| 4 | 194.655 | V | 40.5 | -17.9 | 22.6 | 30.0 | 7.4 | 100.0 | 99.2 |
| 5 | 359.999 | V | 48.2 | -12.3 | 35.9 | 37.0 | 1.1 | 100.0 | 136.7 |
| 6 | 359.999 | H | 47.5 | -12.3 | 35.2 | 37.0 | 1.8 | 301.0 | 302.7 |
| 7 | 999.600 | H | 35.1 | 0.5 | 35.6 | 37.0 | 1.4 | 101.0 | 357.8 |
| 8 | 999.655 | V | 35.5 | 0.5 | 36.0 | 37.0 | 1.0 | 199.0 | 107.5 |

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 Model Number: MiroCam Capsule Endoscope System May 13, 2011

* 1 GHZ - 2 GHZ

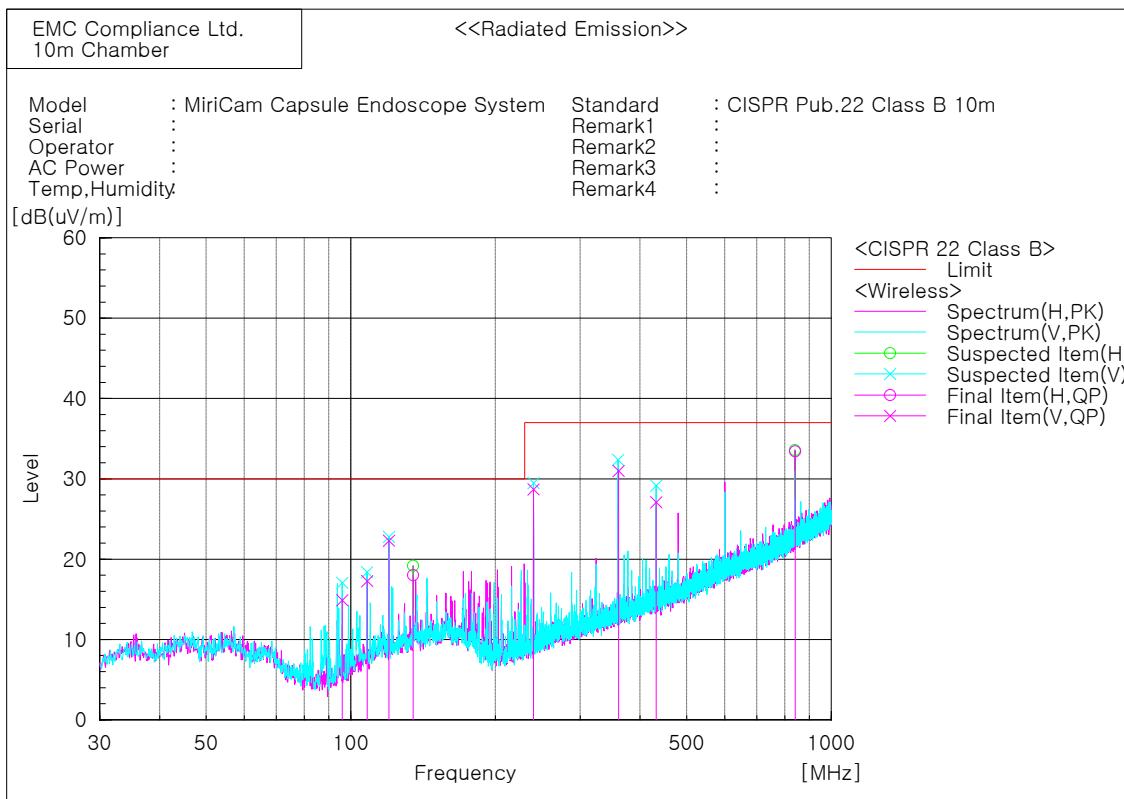


Final Result

| No. | Frequency [MHz] | (P) | Reading AV [dB(uV)] | Reading PK [dB(uV)] | c. f. [dB(1/m)] | Result AV [dB(uV/m)] | Result PK [dB(uV/m)] | Limit AV [dB] | Limit PK [dB] | Margin AV [dB] | Margin PK [dB] | Height [cm] | Angle [deg] |
|-----|-----------------|-----|---------------------|---------------------|-----------------|----------------------|----------------------|---------------|---------------|----------------|----------------|-------------|-------------|
| 1 | 1000.010 | H | 38.0 | 56.2 | -13.1 | 24.9 | 43.1 | 54.0 | 74.0 | 29.1 | 30.9 | 100.0 | 37.7 |
| 2 | 1095.093 | V | 45.0 | 59.0 | -12.3 | 32.7 | 46.7 | 54.0 | 74.0 | 21.3 | 27.3 | 100.0 | 266.7 |
| 3 | 1327.555 | H | 46.7 | 71.4 | -10.3 | 36.4 | 61.1 | 54.0 | 74.0 | 17.6 | 12.9 | 201.0 | 352.0 |
| 4 | 1332.028 | V | 50.3 | 80.9 | -10.2 | 40.1 | 70.7 | 54.0 | 74.0 | 13.9 | 3.3 | 100.0 | 11.3 |
| 5 | 1659.640 | H | 37.5 | 59.2 | -7.8 | 29.7 | 51.4 | 54.0 | 74.0 | 24.3 | 22.6 | 100.0 | 160.4 |
| 6 | 1659.640 | V | 38.4 | 61.2 | -7.8 | 30.6 | 53.4 | 54.0 | 74.0 | 23.4 | 20.6 | 100.0 | 54.4 |

Table 3: Test mode- Wireless mode

*** 30 MHZ - 1 GHZ**



Final Result

| No. | Frequency [MHz] | (P) | Reading QP [dB(uV)] | c.f [dB(1/m)] | Result QP [dB(uV/m)] | Limit QP [dB] | Margin QP [dB] | Height [cm] | Angle [deg] |
|-----|-----------------|-----|---------------------|---------------|----------------------|---------------|----------------|-------------|-------------|
| 1 | 95.955 | V | 35.1 | -20.2 | 14.9 | 30.0 | 15.1 | 100.0 | 38.7 |
| 2 | 108.185 | V | 35.1 | -17.8 | 17.3 | 30.0 | 12.7 | 201.0 | 64.4 |
| 3 | 120.040 | V | 39.0 | -16.7 | 22.3 | 30.0 | 7.7 | 100.0 | 103.9 |
| 4 | 134.765 | H | 33.8 | -15.8 | 18.0 | 30.0 | 12.0 | 400.0 | 11.0 |
| 5 | 240.000 | V | 45.1 | -16.4 | 28.7 | 37.0 | 8.3 | 100.0 | 316.9 |
| 6 | 360.766 | V | 43.2 | -12.2 | 31.0 | 37.0 | 6.0 | 100.0 | 176.6 |
| 7 | 432.054 | V | 37.8 | -10.7 | 27.1 | 37.0 | 9.9 | 100.0 | 98.9 |
| 8 | 840.676 | H | 36.0 | -2.6 | 33.4 | 37.0 | 3.6 | 100.0 | 35.2 |

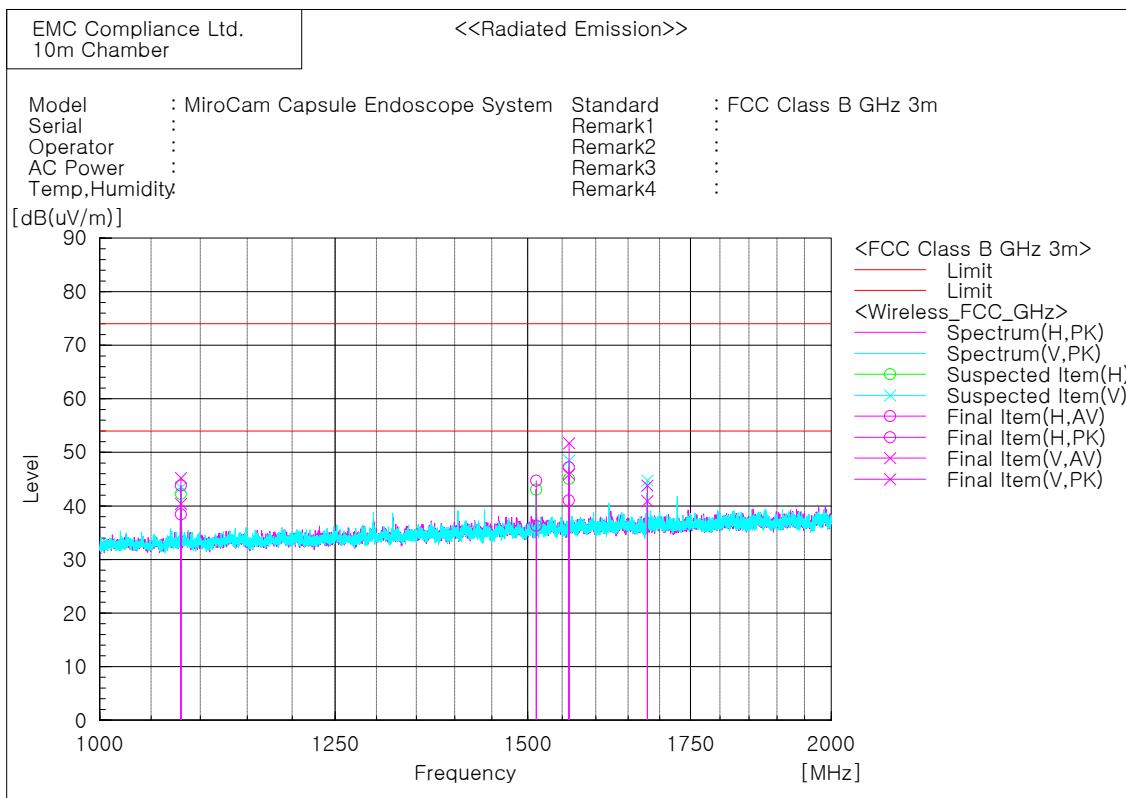
Project Number:
Model Number:

11CA27209
MiroCam Capsule Endoscope System

File Number
TC8340

Date of Issue :
May 13, 2011

* 1 GHZ - 2 GHZ

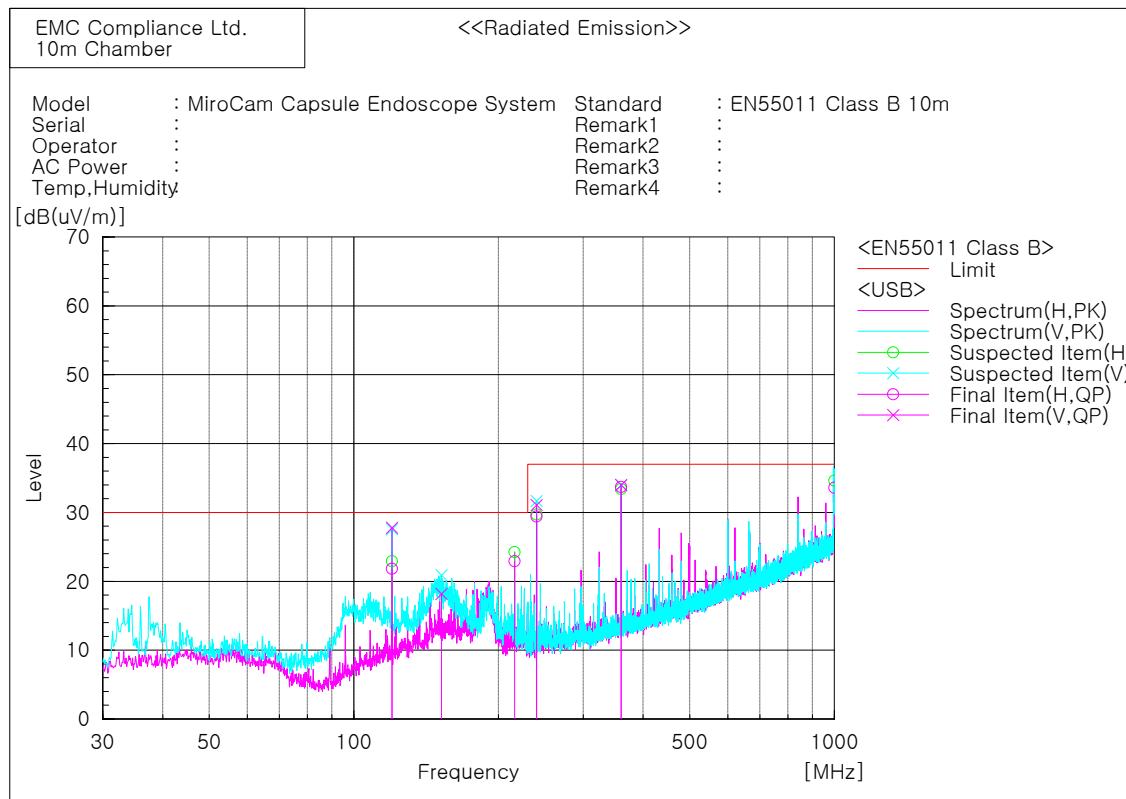


Final Result

| No. | Frequency (P) [MHz] | Reading AV [dB(uV)] | Reading PK [dB(uV)] | c.f. [dB(1/m)] | Result AV [dB(uV/m)] | Result PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Limit PK [dB(uV/m)] | Margin AV [dB] | Margin PK [dB] | Height [cm] | Angle [deg] |
|-----|------------------------|---------------------------|---------------------------|-------------------|----------------------------|----------------------------|---------------------------|---------------------------|----------------------|----------------------|----------------|----------------|
| 1 | 1080.055 | V | 52.8 | 57.6 | -12.4 | 40.4 | 45.2 | 54.0 | 74.0 | 13.6 | 28.8 | 100.0 170.0 |
| 2 | 1080.055 | H | 50.8 | 56.2 | -12.4 | 38.4 | 43.8 | 54.0 | 74.0 | 15.6 | 30.2 | 201.0 146.0 |
| 3 | 1512.255 | H | 45.1 | 53.5 | -8.8 | 36.3 | 44.7 | 54.0 | 74.0 | 17.7 | 29.3 | 100.0 165.3 |
| 4 | 1559.855 | H | 49.5 | 55.7 | -8.5 | 41.0 | 47.2 | 54.0 | 74.0 | 13.0 | 26.8 | 100.0 160.3 |
| 5 | 1560.055 | V | 54.4 | 60.2 | -8.5 | 45.9 | 51.7 | 54.0 | 74.0 | 8.1 | 22.3 | 100.0 157.5 |
| 6 | 1680.157 | V | 48.6 | 51.5 | -7.7 | 40.9 | 43.8 | 54.0 | 74.0 | 13.1 | 30.2 | 100.0 130.0 |

Table 4: Test mode- Telecom mode

* 30 MHZ - 1 GHZ



Final Result

| No. | Frequency [MHz] | (P) | Reading QP [dB(uV)] | c.f [dB(1/m)] | Result QP [dB(uV/m)] | Limit QP [dB(uV/m)] | Margin QP [dB] | Height [cm] | Angle [deg] |
|-----|-----------------|-----|---------------------|---------------|----------------------|---------------------|----------------|-------------|-------------|
| 1 | 120.001 | H | 38.5 | -16.7 | 21.8 | 30.0 | 8.2 | 400.0 | 314.8 |
| 2 | 120.003 | V | 44.5 | -16.7 | 27.8 | 30.0 | 2.2 | 199.0 | 64.9 |
| 3 | 152.165 | V | 33.1 | -14.9 | 18.2 | 30.0 | 11.8 | 100.0 | 62.4 |
| 4 | 216.010 | H | 40.5 | -17.6 | 22.9 | 30.0 | 7.1 | 300.0 | 298.9 |
| 5 | 240.050 | V | 47.5 | -16.4 | 31.1 | 37.0 | 5.9 | 100.0 | 7.6 |
| 6 | 240.050 | H | 45.8 | -16.4 | 29.4 | 37.0 | 7.6 | 300.0 | 178.6 |
| 7 | 359.999 | V | 46.3 | -12.3 | 34.0 | 37.0 | 3.0 | 100.0 | 150.3 |
| 8 | 359.999 | H | 46.0 | -12.3 | 33.7 | 37.0 | 3.3 | 300.0 | 298.9 |
| 9 | 999.677 | H | 33.1 | 0.5 | 33.6 | 37.0 | 3.4 | 100.0 | 291.2 |

Project Number:

11CA27209

File Number

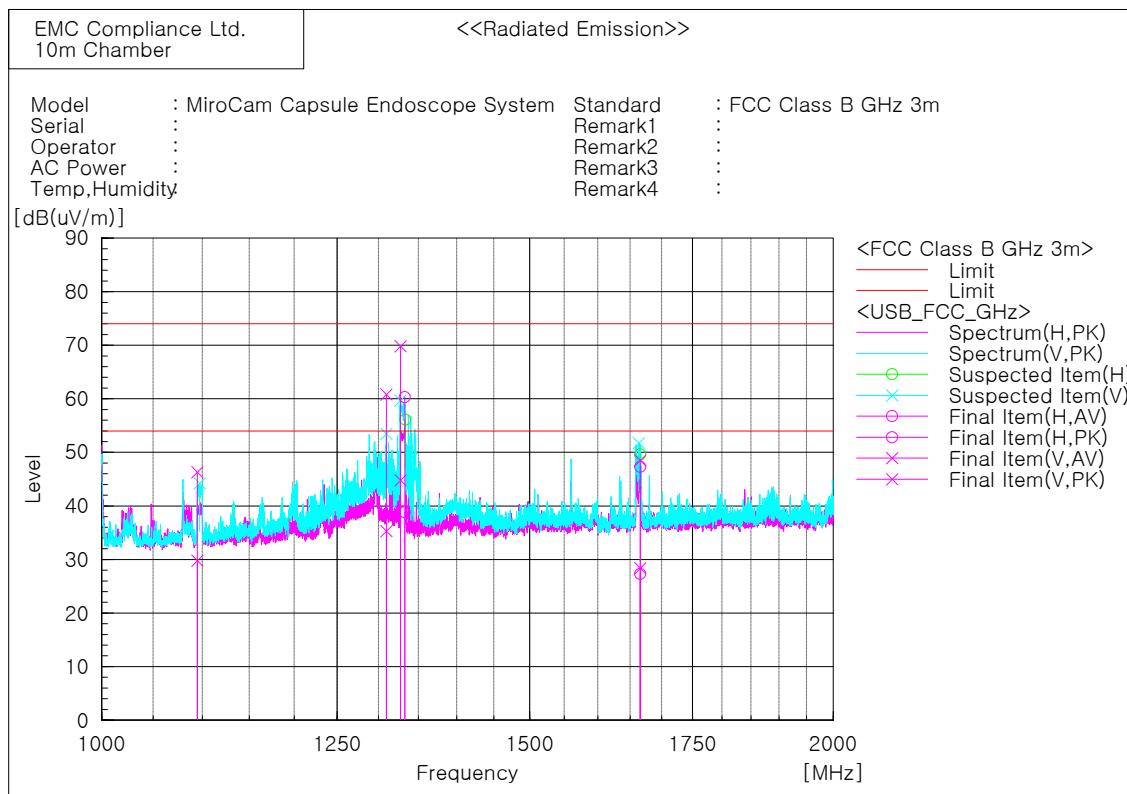
TC8340

Date of Issue :

May 13, 2011

Model Number:

MiroCam Capsule Endoscope System

*** 1 GHZ - 2 GHZ**

Final Result

| No. | Frequency (P) [MHz] | Reading AV [dB(uV)] | Reading PK [dB(uV)] | c.f [dB(1/m)] | Result AV [dB(uV/m)] | Result PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Limit PK [dB(uV/m)] | Margin AV [dB] | Margin PK [dB] | Height [cm] | Angle [deg] |
|-----|------------------------|---------------------------|---------------------------|------------------|----------------------------|----------------------------|---------------------------|---------------------------|----------------------|----------------------|----------------|----------------|
| 1 | 1094.733 | V 42.1 | V 58.6 | -12.3 | 29.8 | 46.3 | 54.0 | 74.0 | 24.2 | 27.7 | 100.0 | 256.6 |
| 2 | 1309.658 | V 45.7 | V 71.2 | -10.4 | 35.3 | 60.8 | 54.0 | 74.0 | 18.7 | 13.2 | 100.0 | 350.3 |
| 3 | 1327.110 | V 55.1 | V 80.1 | -10.3 | 44.8 | 69.8 | 54.0 | 74.0 | 9.2 | 4.2 | 100.0 | 301.6 |
| 4 | 1332.630 | H 49.0 | H 70.5 | -10.2 | 38.8 | 60.3 | 54.0 | 74.0 | 15.2 | 13.7 | 100.0 | 11.8 |
| 5 | 1665.878 | V 36.2 | V 56.3 | -7.8 | 28.4 | 48.5 | 54.0 | 74.0 | 25.6 | 25.5 | 201.0 | 66.0 |
| 6 | 1665.555 | H 35.1 | H 55.1 | -7.8 | 27.3 | 47.3 | 54.0 | 74.0 | 26.7 | 26.7 | 100.0 | 161.5 |