

## **Certification Test Report**

**FCC ID: 2ABLX-240Z  
IC: 8832A-240Z**

**FCC Rule Part: 15.247  
IC Radio Standards Specification: RSS-247**

**ACS Report Number: 15-0213.W06.1A**

Manufacturer: QMotion Incorporated  
Model: QMRS-240Z

Test Begin Date: June 11, 2015  
Test End Date: June 12, 2015

Report Issue Date: June 19, 2015



FOR THE SCOPE OF ACCREDITATION UNDER LAB Code 200612-0

This 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.

A handwritten signature in black ink, appearing to read "Kirby Munroe".

Reviewed by:  
**Kirby Munroe**  
**Director, Wireless Certifications**  
**ACS, Inc.**

This test report shall not be reproduced except in full. This report may be reproduced in part with prior written consent of ACS, Inc. The results contained in this report are representative of the sample(s) submitted for evaluation.

**This report contains 20 pages**

## TABLE OF CONTENTS

<b>1</b>	<b>GENERAL .....</b>	<b>3</b>
1.1	PURPOSE.....	3
1.2	PRODUCT DESCRIPTION.....	3
1.3	TEST METHODOLOGY AND CONSIDERATIONS .....	4
<b>2</b>	<b>TEST FACILITIES.....</b>	<b>5</b>
2.1	LOCATION .....	5
2.2	LABORATORY ACCREDITATIONS/RECOGNITIONS/CERTIFICATIONS .....	5
2.3	RADIATED EMISSIONS TEST SITE DESCRIPTION .....	6
2.3.1	<i>Semi-Anechoic Chamber Test Site.....</i>	6
2.3.2	<i>Open Area Tests Site (OATS) .....</i>	7
2.4	CONDUCTED EMISSIONS TEST SITE DESCRIPTION .....	8
<b>3</b>	<b>APPLICABLE STANDARD REFERENCES.....</b>	<b>8</b>
<b>4</b>	<b>LIST OF TEST EQUIPMENT.....</b>	<b>9</b>
<b>5</b>	<b>SUPPORT EQUIPMENT .....</b>	<b>10</b>
<b>6</b>	<b>EQUIPMENT UNDER TEST SETUP BLOCK DIAGRAM .....</b>	<b>10</b>
<b>7</b>	<b>SUMMARY OF TESTS.....</b>	<b>11</b>
7.1	ANTENNA REQUIREMENT – FCC 15.203 .....	11
7.2	POWER LINE CONDUCTED EMISSIONS – FCC 15.207, IC: RSS-GEN 8.8 .....	11
7.2.1	<i>Measurement Procedure.....</i>	11
7.3	6dB / 99% BANDWIDTH – FCC 15.247(A)(2), IC: RSS-247 5.2(1) .....	12
7.3.1	<i>Measurement Procedure.....</i>	12
7.3.2	<i>Measurement Results .....</i>	12
7.4	FUNDAMENTAL EMISSION OUTPUT POWER – FCC 15.247(B)(3), IC: RSS-247 5.4(4) .....	14
7.4.1	<i>Measurement Procedure.....</i>	14
7.4.2	<i>Measurement Results .....</i>	14
7.5	EMISSION LEVELS – FCC 15.247(D), 15.205, 15.209; IC RSS-247 5.5, RSS-GEN 8.9.....	15
7.5.1	<i>Emissions into Non-restricted Frequency Bands.....</i>	15
7.5.1.1	Measurement Procedure.....	15
7.5.1.2	Measurement Results .....	15
7.5.2	<i>Emissions into Restricted Frequency Bands - FCC 15.205, 15.209; RSS-Gen 8.9/8.10 .....</i>	17
7.5.2.1	Measurement Procedure.....	17
7.5.2.2	Duty Cycle Correction .....	17
7.5.2.3	Measurement Results .....	17
7.5.2.4	Sample Calculation: .....	18
7.6	MAXIMUM POWER SPECTRAL DENSITY IN THE FUNDAMENTAL EMISSION – FCC 15.247(E) IC: RSS-247 5.2(2) .....	19
7.6.1	<i>Measurement Procedure.....</i>	19
7.6.2	<i>Measurement Results .....</i>	19
<b>8</b>	<b>CONCLUSION .....</b>	<b>20</b>

## 1 GENERAL

### 1.1 Purpose

The purpose of this report is to demonstrate compliance with Part 15 Subpart C of the FCC's Code of Federal Regulations and Industry Canada's Radio Standards Specification Certification. RSS-247.

### 1.2 Product Description

The QMRS-240Z is a wireless window shade based around IEEE 802.15.4 and the Zigbee communications protocol. As such, many roller shades can be joined into a network and controlled by the push of a single remote button. Central control or mapping of this network of roller shades is controlled (coordinated) by a coordinating router.

#### Technical Information:

Detail	Description
Frequency Range	2.405 GHz – 2.480 GHz
Number of Channels	16
Modulation Format	O-QPSK
Operating Voltage	4.5 – 12Vdc (D-cell Batteries)
Antenna Type / Gain	PCB Balanced Loop; 0dBi gain

#### Manufacturer Information:

QMotion Incorporated  
3400 Copter Road  
Pensacola, FL 32514

EUT Serial Numbers: FCC Unit 1 (Radiated), FCC Unit 2 (RF Conducted)

Test Sample Condition: The test samples were provided in good working order with no visible defects.

### 1.3 Test Methodology and Considerations

For radiated emissions the EUT was tested in two orthogonal orientations with respect to the radio board. The data presented in this report represents the worst case where applicable. The output power on the highest channel (Channel 26) was reduced to comply with the band edge.

Software power setting during test: -2 (CH 11-25), -A (CH 26)

## 2 TEST FACILITIES

### 2.1 Location

The radiated and conducted emissions test sites are located at the following address:

Advanced Compliance Solutions  
5015 B.U. Bowman Drive  
Buford, GA 30518  
Phone: (770) 831-8048  
Fax: (770) 831-8598

### 2.2 Laboratory Accreditations/Recognitions/Certifications

ACS is accredited to ISO/IEC 17025 by the National Institute of Standards and Technology under their National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code 200612-0. Unless otherwise specified, all tests methods described within this report are covered under the ISO/IEC 17025 scope of accreditation.

The Semi-Anechoic Chamber Test Site, Open Area Test Site (OATS) and Conducted Emissions Site have been fully described, submitted to, and accepted by the FCC, Industry Canada and the Japanese Voluntary Control Council for Interference by information technology equipment.

FCC Registration Number: 511277

Industry Canada Lab Code: IC 4175A

VCCI Member Number: 1831

- VCCI OATS Registration Number R-1526
- VCCI Conducted Emissions Site Registration Number: C-1608

## 2.3 Radiated Emissions Test Site Description

### 2.3.1 Semi-Anechoic Chamber Test Site

The Semi-Anechoic Chamber Test Site consists of a 20' x 30' x 18' shielded enclosure. The chamber is lined with Toyo Ferrite Grid Absorber, model number FFG-1000. The ferrite tile grid is 101 x 101 x 19mm thick and weighs approximately 550 grams. These tiles are mounted on steel panels and installed directly on the inner walls of the chamber.

The turntable is 150cm in diameter and is located 160cm from the back wall of the chamber. The chamber is grounded via 1 - 8' copper ground rod, installed at the center of the back wall, it is bound to the ground plane using 3/4" stainless steel braided cable.

The turntable is all steel, flush mounted table installed in an all steel frame. The table is remotely operated from inside the control room located 25' from the range. The turntable is electrically bonded to the surrounding ground plane via steel fingers installed on the edge of the turn table. The steel fingers make constant contact with the ground plane during operation.

Behind the turntable is a 3' x 6' x 4' deep shielded pit used for support equipment if necessary. The pit is equipped with 1 - 4" PVC chases from the turntable to the pit that allow for cabling to the EUT if necessary. The underside of the turntable can be accessed from the pit so cables can be supplied to the EUT from the pit.

A diagram of the Semi-Anechoic Chamber Test Site is shown in Figure 2.3-1 below:

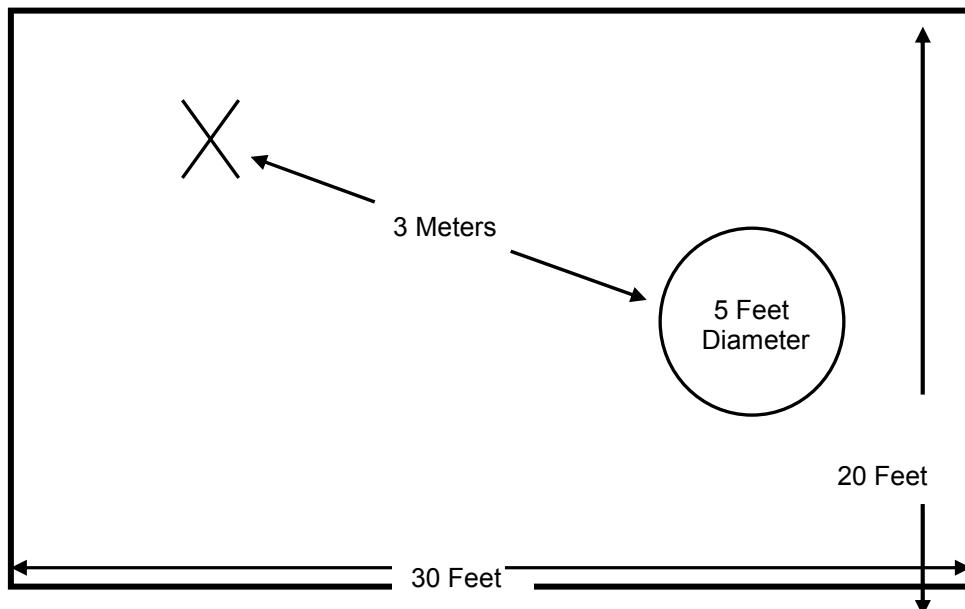


Figure 2.3-1: Semi-Anechoic Chamber Test Site

### 2.3.2 Open Area Tests Site (OATS)

The open area test site consists of a 40' x 66' concrete pad covered with a perforated electro-plated galvanized sheet metal. The perforations in the sheet metal are 1/8" holes that are staggered every 3/16". The individual sheets are placed to overlap each other by 1/4" and are riveted together to provide a continuous seam. Rivets are spaced every 3" in a 3 x 20 meter perimeter around the antenna mast and EUT area. Rivets in the remaining area are spaced as necessary to properly secure the ground plane and maintain the electrical continuity.

The entire ground plane extends 12' beyond the turntable edge and 16' beyond the antenna mast when set to a 10 meter measurement distance. The ground plane is grounded via 4 - 8' copper ground rods, each installed at a corner of the ground plane and bound to the ground plane using 3/4" stainless steel braided cable.

The turntable is an all aluminum 10' flush mounted table installed in an all aluminum frame. The table is remotely operated from inside the control room located 40' from the range. The turntable is electrically bonded to the surrounding ground plane via steel fingers installed on the edge of the turn table. The steel fingers make constant contact with the ground plane during operation.

Adjacent to the turntable is a 7' x 7' square and 4' deep concrete pit used for support equipment if necessary. The pit is equipped with 5 - 4" PVC chases from the pit to the control room that allow for cabling to the EUT if necessary. The underside of the turntable can be accessed from the pit so cables can be supplied to the EUT from the pit. The pit is covered with 2 sheets of 1/4" diamond style re-enforced steel sheets. The sheets are painted to match the perforated steel ground plane; however the underside edges have been masked off to maintain the electrical continuity of the ground plane. All reflecting objects are located outside of the ellipse defined in ANSI C63.4.

A diagram of the Open Area Test Site is shown in Figure 2.3-2 below:

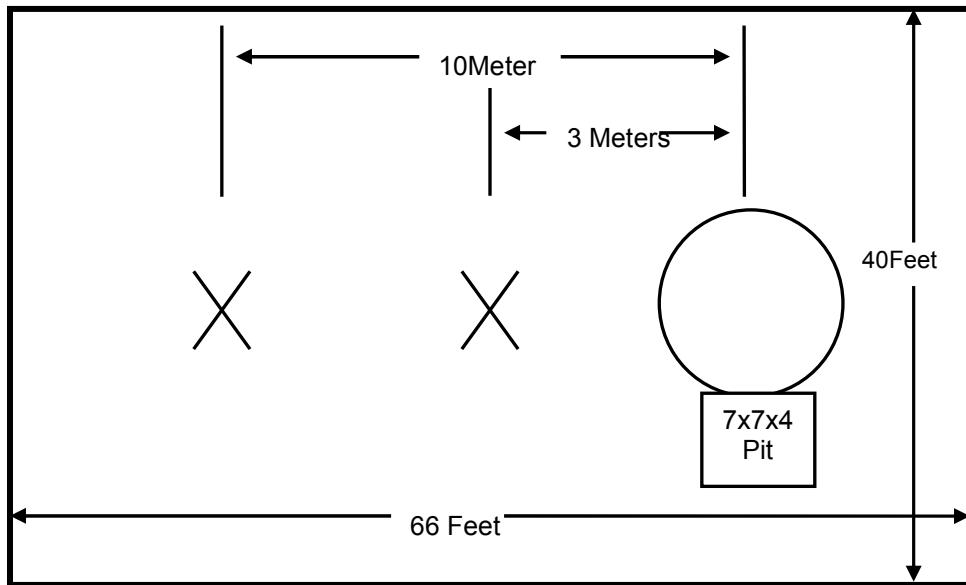


Figure 2.3-2: Open Area Test Site

## 2.4 Conducted Emissions Test Site Description

The AC mains conducted EMI site is located in the main EMC lab. It consists of an 8' x 8' solid aluminum horizontal ground reference plane (GRP) bonded every 3" to an 8' X 8' vertical ground plane.

The site is of sufficient size to test table top and floor standing equipment in accordance with section 6.1.4 of ANSI C63.4.

A diagram of the room is shown below in figure 4.1.3-1:

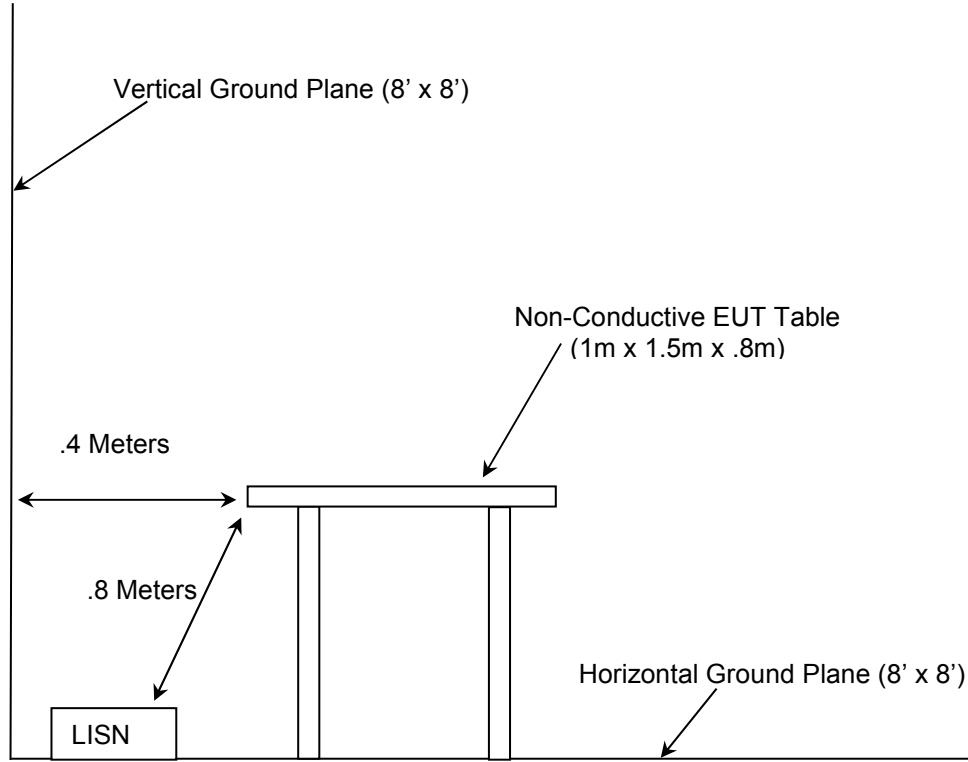


Figure 2.4-1: AC Mains Conducted EMI Site

## 3 APPLICABLE STANDARD REFERENCES

The following standards were used:

- ❖ ANSI C63.10-2013: American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices – Industry Canada reference only
- ❖ ANSI C63.10-2009: American National Standard for Testing Unlicensed Wireless Devices – FCC reference only
- ❖ US Code of Federal Regulations (CFR): Title 47, Part 2, Subpart J: Equipment Authorization Procedures, 2015
- ❖ US Code of Federal Regulations (CFR): Title 47, Part 15, Subpart C: Radio Frequency Devices, Intentional Radiators, 2015
- ❖ FCC KDB 558074 D01 DTS Meas Guidance v03r03 - Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under §15.247, June 9, 2015
- ❖ Industry Canada Radio Standards Specification: RSS-247 – Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices, Issue 1, May 2015.
- ❖ Industry Canada Radio Standards Specification: RSS-GEN – General Requirements for Compliance of Radio Apparatus, Issue 4, Nov 2014.

#### 4 LIST OF TEST EQUIPMENT

The calibration interval of test equipment is annually or the manufacturer's recommendations. Where the calibration interval deviates from the annual cycle based on the instrument manufacturer's recommendations, it shall be stated below.

**Table 4-1: Test Equipment**

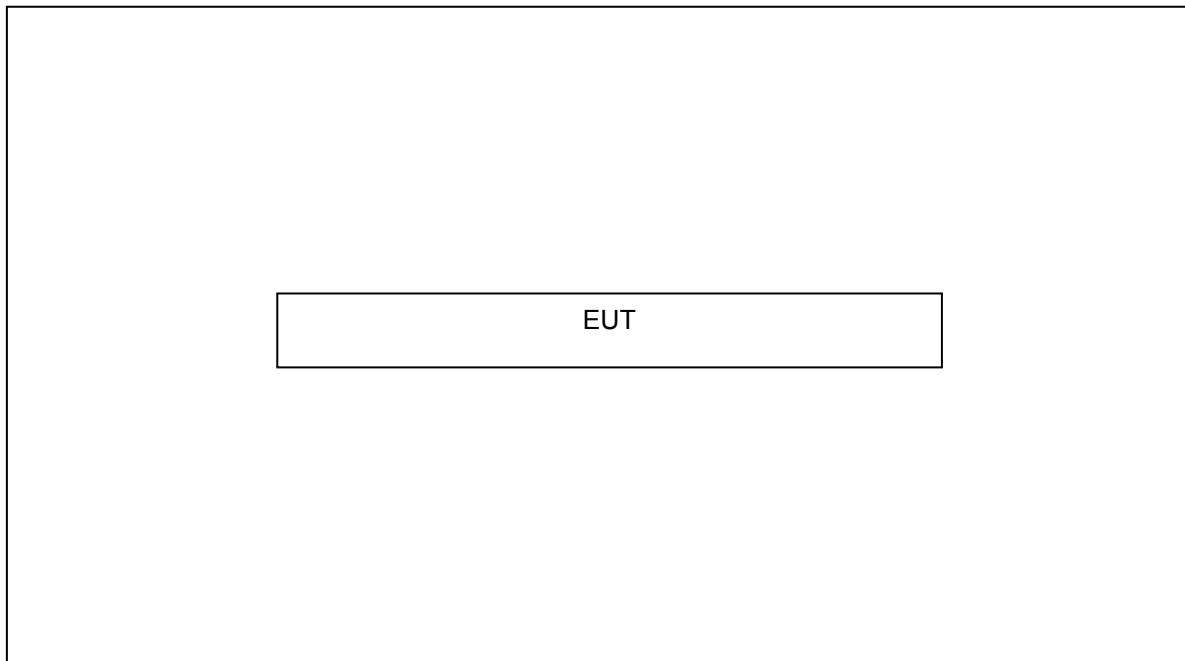
AssetID	Manufacturer	Model #	Equipment Type	Serial #	Last Calibration Date	Calibration Due Date
1	Rohde & Schwarz	ESMI - Display	Spectrum Analyzers	833771/007	7/11/2014	7/11/2015
2	Rohde & Schwarz	ESMI-Receiver	Spectrum Analyzers	839587/003	7/11/2014	7/11/2015
30	Spectrum Technologies	DRH-0118	Antennas	970102	4/30/2015	4/30/2017
40	EMCO	3104	Antennas	3211	2/10/2015	2/10/2017
73	Agilent	8447D	Amplifiers	2727A05624	7/15/2014	7/15/2015
167	ACS	Chamber EMI Cable Set	Cable Set	167	10/28/2014	10/28/2015
267	Agilent	N1911A	Meters	MY45100129	7/30/2013	7/30/2015
268	Agilent	N1921A	Sensors	MY45240184	7/30/2013	7/30/2015
292	Florida RF Cables	SMR-290AW-480.0-SMR	Cables	None	3/3/2015	3/3/2016
338	Hewlett Packard	8449B	Amplifiers	3008A01111	7/30/2013	7/30/2015
340	Aeroflex/Weinschel	AS-20	Attenuators	7136	7/14/2014	7/14/2015
412	Electro Metrics	LPA-25	Antennas	1241	7/24/2014	7/24/2016
422	Florida RF	SMS-200AW-72.0-SMR	Cables	805	11/5/2014	11/5/2015
432	Microwave Circuits	H3G020G4	Filters	264066	5/20/2015	5/20/2016
616	Florida RF Cables	SMRE-200W-12.0-SMRE	Cables	N/A	9/10/2014	9/10/2015
622	Rohde & Schwarz	FSV40	Analyzers	101338	7/12/2014	7/12/2015

## 5 SUPPORT EQUIPMENT

**Table 5-1: Support Equipment**

Item #	Type Device	Manufacturer	Model/Part #	Serial #
The EUT is a battery operated equipment therefore no ancillary or support equipment was utilized. The EUT was tested stand-alone.				

## 6 EQUIPMENT UNDER TEST SETUP BLOCK DIAGRAM



**Figure 6-1: Test Setup Block Diagram**

## 7 SUMMARY OF TESTS

Along with the tabular data shown below, plots were taken of all signals deemed important enough to document.

### 7.1 Antenna Requirement – FCC 15.203

The antenna is a non-detachable PCB Balanced Loop with 0dBi gain. The antenna is permanently attached to the radio, therefore satisfying the requirements of 15.203.

### 7.2 Power Line Conducted Emissions – FCC 15.207, IC: RSS-Gen 8.8

#### 7.2.1 Measurement Procedure

The EUT is a battery operated device therefore AC power line conducted emission testing was not performed.

### 7.3 6dB / 99% Bandwidth – FCC 15.247(a)(2), IC: RSS-247 5.2(1)

#### 7.3.1 Measurement Procedure

The 6dB bandwidth was measured in accordance with the FCC KDB 558074 D01 DTS Meas Guidance v03r03. The Resolution Bandwidth (RBW) of the spectrum analyzer was set to 100 kHz. The Video Bandwidth (VBW) was set to  $\geq 3$  times the RBW. The trace was set to max hold with a peak detector active. The ndB down function of the spectrum analyzer was utilized to determine the 6 dB bandwidth of the emission.

The occupied bandwidth measurement function of the spectrum analyzer was used to measure the 99% bandwidth. The span of the analyzer was set to capture all products of the modulation process, including the emission sidebands. The resolution bandwidth was set to 1% to 5% of the occupied bandwidth. The video bandwidth was set to 3 times the resolution bandwidth. A peak detector was used.

#### 7.3.2 Measurement Results

Table 7.3.2-1: 6dB / 99% Bandwidth

Frequency [MHz]	6dB Bandwidth [MHz]	99% Bandwidth [MHz]
2405	1.620	2.479
2440	1.600	2.465
2475	1.596	2.454
2480	1.603	2.468

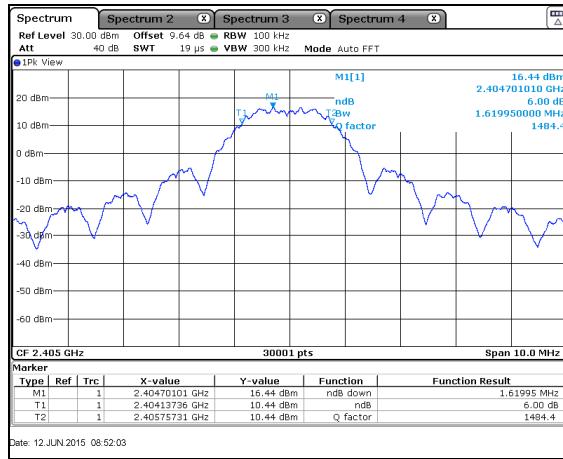


Figure 7.3.2-1: 6dB Bandwidth Plot – LCH

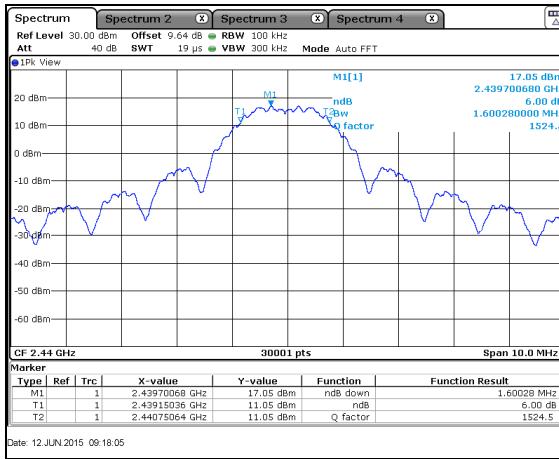
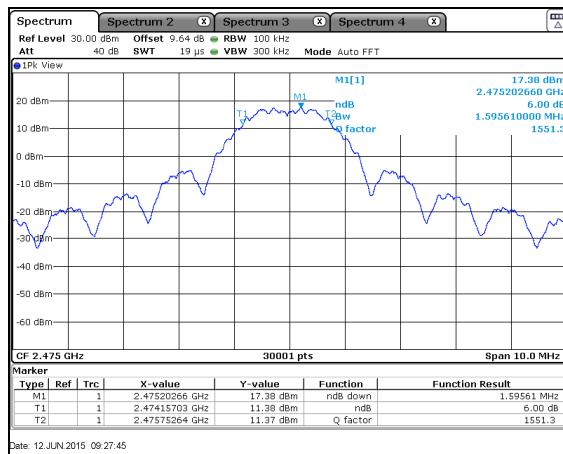
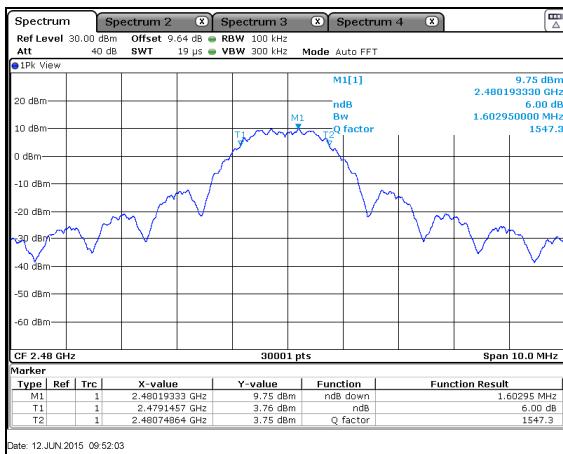


Figure 7.3.2-2: 6dB Bandwidth Plot – MCH



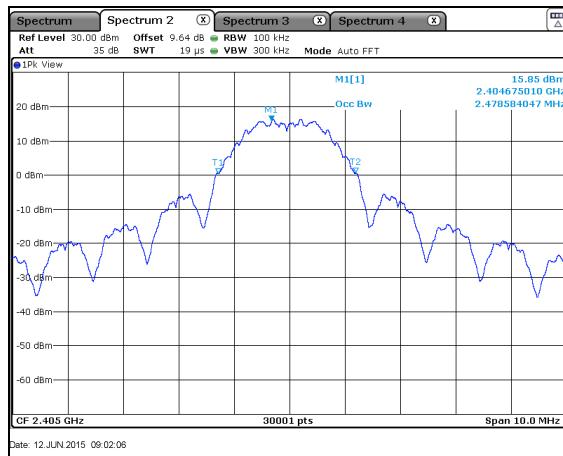
Date: 12 JUN 2015 09:27:45

Figure 7.3.2-3: 6dB Bandwidth Plot – HCH – CH 25



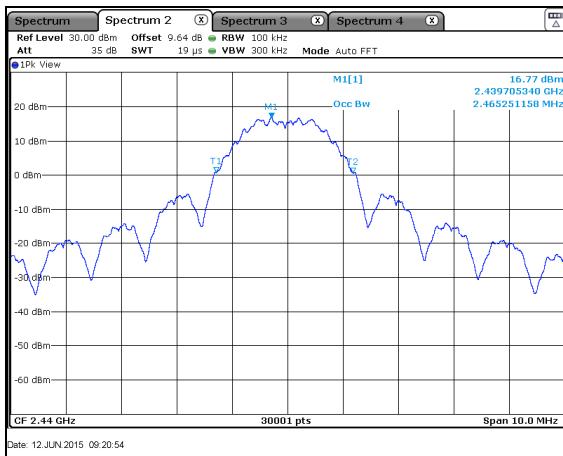
Date: 12 JUN 2015 09:52:03

Figure 7.3.2-4: 6dB Bandwidth Plot – HCH – CH 26



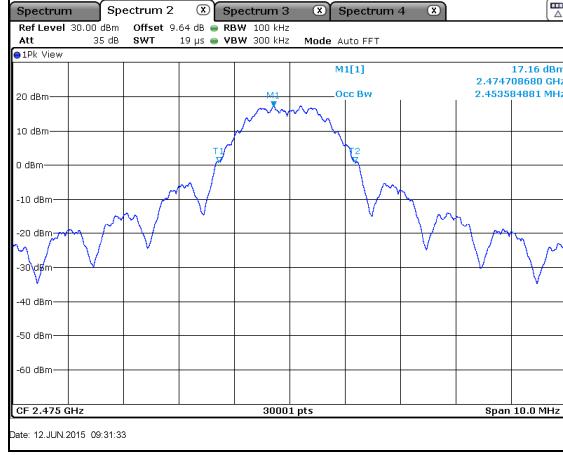
Date: 12 JUN 2015 09:02:06

Figure 7.3.2-5: 99% Bandwidth Plot – LCH



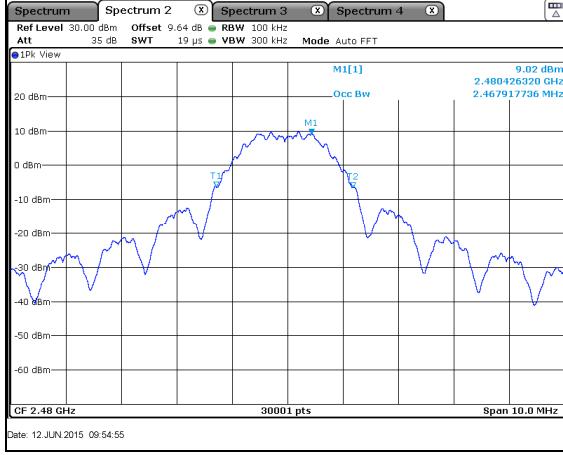
Date: 12 JUN 2015 09:20:54

Figure 7.3.2-6: 99% Bandwidth Plot – MCH



Date: 12 JUN 2015 09:31:33

Figure 7.3.2-7: 99% Bandwidth Plot – HCH – CH 25



Date: 12 JUN 2015 09:54:55

Figure 7.3.2-8: 99% Bandwidth Plot – HCH – CH 26

**7.4 Fundamental Emission Output Power – FCC 15.247(b)(3), IC: RSS-247 5.4(4)****7.4.1 Measurement Procedure**

The maximum conducted output power was measured in accordance with FCC KDB 558074 D01 DTS Meas Guidance v03r03 utilizing the PKPM1 Peak power meter method. The RF output of the equipment under test was directly connected to the input of the power meter applying suitable attenuation.

**7.4.2 Measurement Results****Table 7.4.2-1: Maximum Conducted Output Power**

Frequency [MHz]	Level [dBm]
2405	20.12
2440	20.56
2475	20.88
2480	13.52

## 7.5 Emission Levels – FCC 15.247(d), 15.205, 15.209; IC RSS-247 5.5, RSS-Gen 8.9

### 7.5.1 Emissions into Non-restricted Frequency Bands

#### 7.5.1.1 Measurement Procedure

The unwanted emissions into non-restricted bands were measured conducted in accordance with FCC KDB 558074 D01 DTS Meas Guidance v03r03. The RF output of the equipment under test was directly connected to the input of the spectrum analyzer applying suitable attenuation. The Resolution Bandwidth (RBW) of the spectrum analyzer was set to 100 kHz. The Video Bandwidth (VBW) was set to 300 kHz. Span was set to 1.5 times the DTS bandwidth. The trace was set to max hold with a peak detector active. The resulting spectrum analyzer peak level was used to determine the reference level with respect to the 20 dBc limit. The spectrum span was then adjusted for the measurement of spurious emissions from 30MHz to 25GHz, 10 times the highest fundamental frequency.

Band-edge compliance was determined using the conducted marker-delta method in which the radio frequency power that is produced by the EUT is at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of desired power.

#### 7.5.1.2 Measurement Results

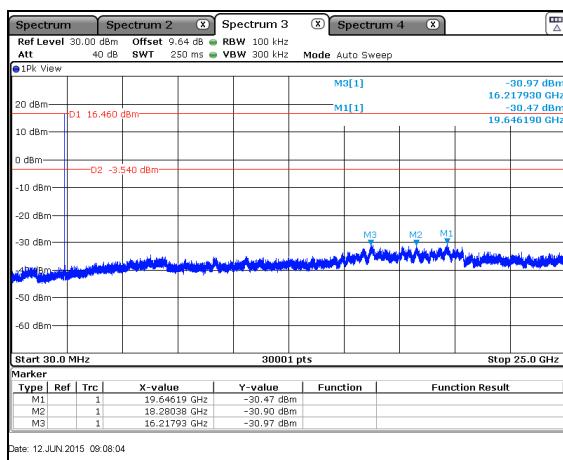


Figure 7.5.1.2-1: 30 MHz – 25 GHz – LCH

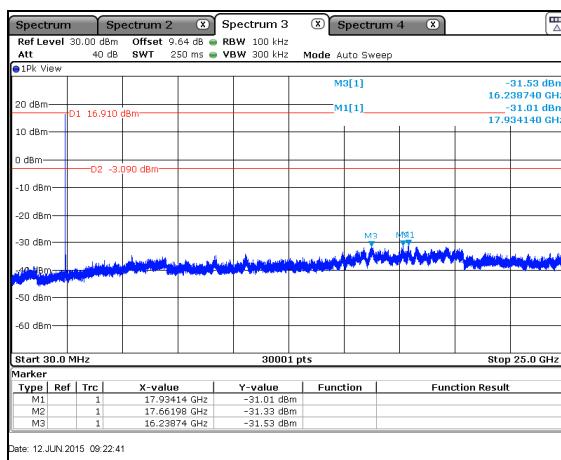


Figure 7.5.1.2-2: 30 MHz – 25 GHz – MCH

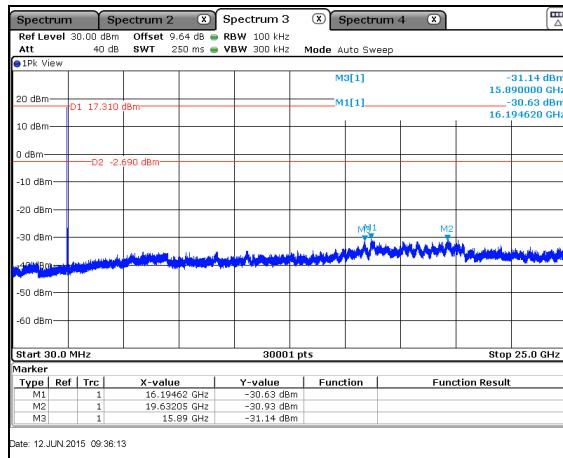


Figure 7.5.1.2-3: 30 MHz – 25 GHz – HCH – CH 25

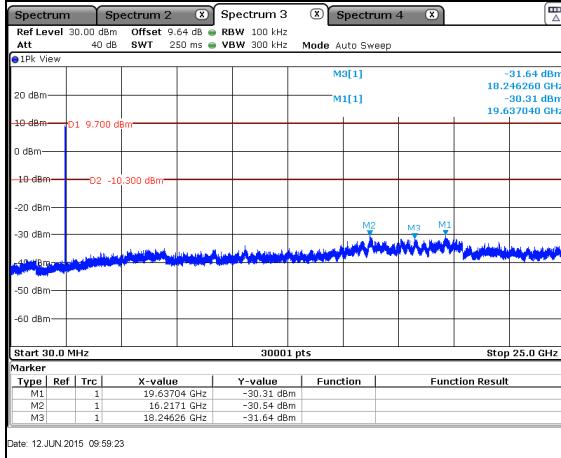
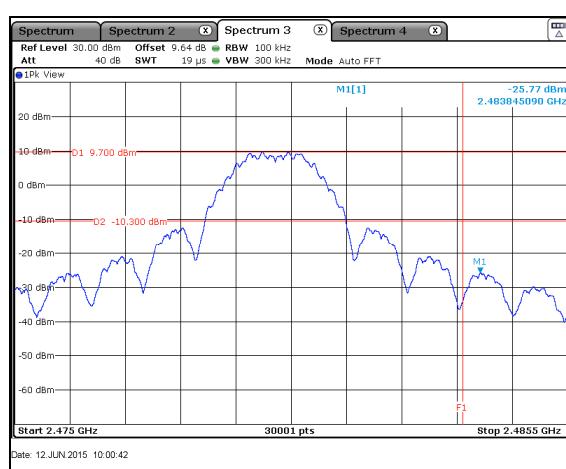
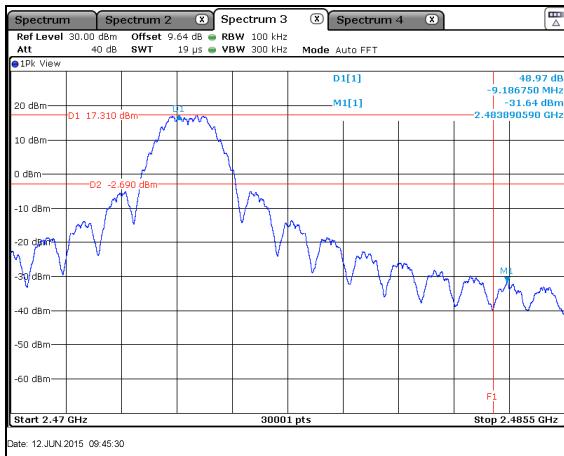
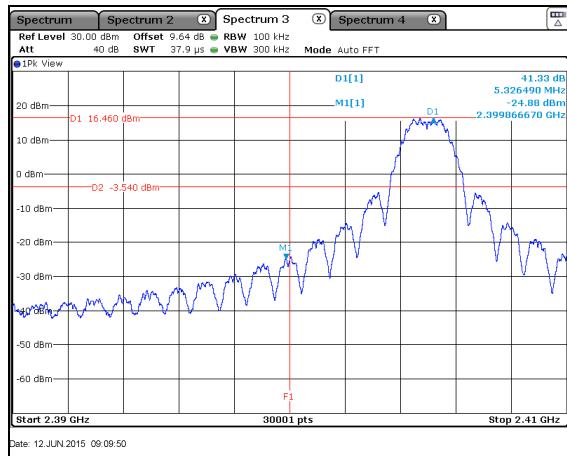


Figure 7.5.1.2-4: 30 MHz – 25 GHz – HCH – CH 26



### 7.5.2 Emissions into Restricted Frequency Bands - FCC 15.205, 15.209; RSS-Gen 8.9/8.10

#### 7.5.2.1 Measurement Procedure

The unwanted emissions into restricted bands were measured radiated over the frequency range of 30MHz to 25GHz, 10 times the highest fundamental frequency.

The EUT was rotated through 360° and the receive antenna height was varied from 1m to 4m so that the maximum radiated emissions level would be detected. For frequencies below 1000MHz, quasi-peak measurements were made using a resolution bandwidth RBW of 120 kHz and a video bandwidth VBW of 300 kHz. For frequencies above 1000MHz, peak and average measurements were made with RBW and VBW of 1 MHz and 3 MHz respectively.

Each emission found to be in a restricted band as defined by section 15.205, including any emission at the operational band-edge, was compared to the radiated emission limits as defined in section 15.209.

#### 7.5.2.2 Duty Cycle Correction

For average radiated measurements, using a 66% duty cycle, the measured level was reduced by a factor 3.61dB. The duty cycle correction factor is determined using the formula:  $20\log(66/100) = -3.61\text{dB}$ . A detailed analysis of the duty cycle timing is provided in the Theory of Operation accompanying the application for certification.

#### 7.5.2.3 Measurement Results

**Table 7.5.2.3-1: Radiated Spurious Emissions Tabulated Data**

Frequency (MHz)	Level (dBuV)		Antenna Polarity (H/V)	Correction Factors (dB)	Corrected Level (dBuV/m)		Limit (dBuV/m)		Margin (dB)	
	pk	Qpk/Avg			pk	Qpk/Avg	pk	Qpk/Avg	pk	Qpk/Avg
<b>Low Channel</b>										
2390	52.43	43.08	H	-6.59	45.84	32.88	74.0	54.0	28.2	21.1
2390	49.73	39.27	V	-6.59	43.14	29.07	74.0	54.0	30.9	24.9
4810	48.16	36.65	H	1.17	49.33	34.21	74.0	54.0	24.7	19.8
12025	47.78	36.35	H	14.41	62.19	47.15	83.5	63.5	21.3	16.4
12025	47.68	36.60	V	14.41	62.09	47.40	83.5	63.5	21.4	16.1
<b>Middle Channel</b>										
4880	50.39	40.64	H	1.25	51.64	38.28	74.0	54.0	22.4	15.7
4880	50.22	39.37	V	1.25	51.47	37.01	74.0	54.0	22.5	17.0
7320	49.11	38.53	H	7.76	56.87	42.68	74.0	54.0	17.1	11.3
7320	49.41	39.02	V	7.76	57.17	43.17	74.0	54.0	16.8	10.8
<b>High Channel - Channel 25</b>										
2483.5	62.05	52.35	H	-6.08	55.97	42.66	74.0	54.0	18.0	11.3
2483.5	61.03	51.03	V	-6.08	54.95	41.34	74.0	54.0	19.0	12.7
4950	53.14	43.71	H	1.34	54.48	41.44	74.0	54.0	19.5	12.6
4950	50.34	40.47	V	1.34	51.67	38.20	74.0	54.0	22.3	15.8
7425	47.31	35.79	H	7.83	55.14	40.01	74.0	54.0	18.9	14.0
7425	48.18	37.77	V	7.83	56.01	41.99	74.0	54.0	18.0	12.0
<b>High Channel - Channel 26</b>										
2483.5	71.42	61.67	H	-6.08	65.34	51.98	74.0	54.0	8.7	2.0
2483.5	69.46	59.84	V	-6.08	63.38	50.15	74.0	54.0	10.6	3.8

**7.5.2.4 Sample Calculation:**

$$R_C = R_U + CF_T$$

Where:

$CF_T$  = Total Correction Factor (AF+CA+AG)-DC (Average Measurements Only)

$R_U$  = Uncorrected Reading

$R_C$  = Corrected Level

AF = Antenna Factor

CA = Cable Attenuation

AG = Amplifier Gain

DC = Duty Cycle Correction Factor

**Example Calculation: Peak**

Corrected Level: 52.43 - 6.59 = 45.84dBuV/m

Margin: 74.0dBuV/m - 45.84dBuV/m = 28.2dB

**Example Calculation: Average**

Corrected Level: 43.08 - 6.59 - 3.61 = 32.88dBuV

Margin: 54.0dBuV - 32.88dBuV = 21.1dB

## 7.6 Maximum Power Spectral Density in the Fundamental Emission – FCC 15.247(e) IC: RSS-247 5.2(2)

### 7.6.1 Measurement Procedure

The power spectral density was measured in accordance with the FCC KDB 558074 D01 DTS Meas Guidance v03r03 utilizing the PKPSD method. The RF output of the equipment under test was directly connected to the input of the spectrum analyzer applying suitable attenuation. The Resolution Bandwidth (RBW) of the spectrum analyzer was set to 3 kHz. The Video Bandwidth (VBW) was set to 10 kHz. Span was set to 1.5 times the occupied bandwidth. A peak detector was used.

### 7.6.2 Measurement Results

Table 7.6.2-1: Peak Power Spectral Density

Frequency (MHz)	PSD Level (dBm)
2405	5.75
2440	5.85
2475	6.21
2480	-1.15

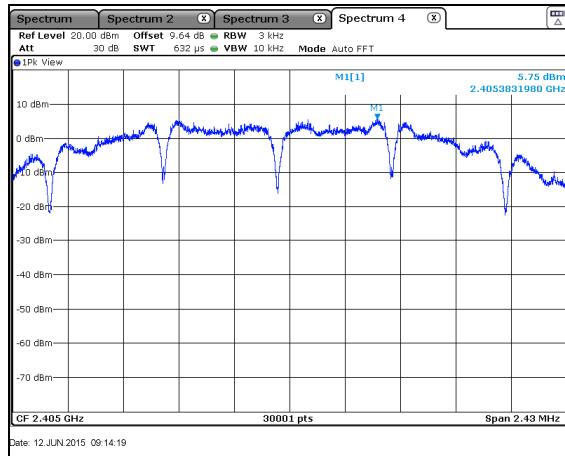


Figure 7.6.2-1: PSD Plot – LCH

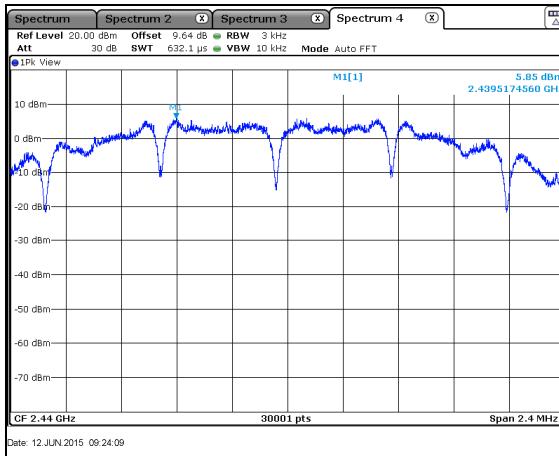


Figure 7.6.2-2: PSD Plot – MCH

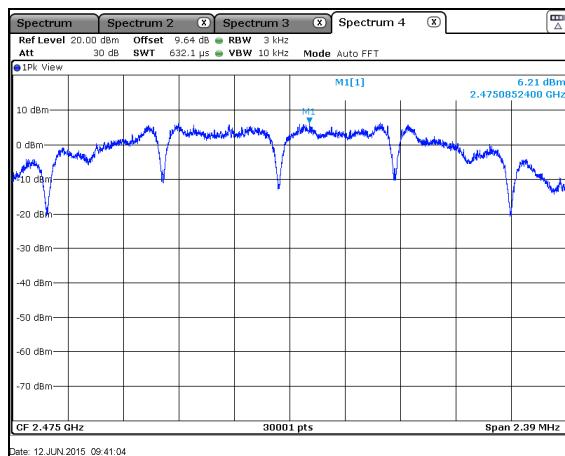


Figure 7.6.2-3: PSD Plot – HCH – CH 25

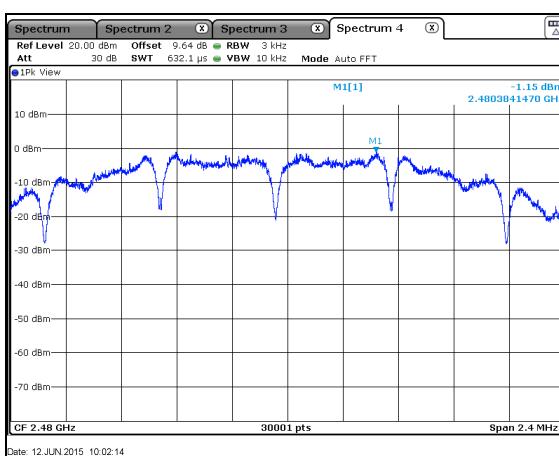


Figure 7.6.2-4: PSD Plot – HCH – CH 26

## 8 CONCLUSION

In the opinion of ACS, Inc. the QMRS-240Z, provided by QMotion Incorporated, meets the requirements of FCC Part 15 subpart C and Industry Canada's Radio Standards Specification RSS-247.

## END REPORT