



Acoustmax International Corp., Ltd

Application
For
Certification

FCC ID: 2AAIN-RAMBLER

Rockin' Rambler

Model: MRR-S

Additional Model: MRR-SG, MRR-SP, MRR-SB

Brand name: Monster

2.4GHz Transceiver

Report No.: 151228014SZN-002

We hereby certify that the sample of the above item is considered to comply with the requirements of FCC Part 15, Subpart C for Intentional Radiator, mention 47 CFR [10-1-14]

Prepared and Checked by:

Approved by:

Sign on file

Vincent Chen
Engineer

Andy Yan
Senior Project Engineer
Date: 29 January 2016

- The test results reported in this test report shall refer only to the sample actually tested and shall not refer or be deemed to refer to bulk from which such a sample may be said to have been obtained.
- This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to copy or distribute this report. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results referenced from this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.
- For Terms And Conditions of the services, it can be provided upon request.
- The evaluation data of the report will be kept for 3 years from the date of issuance.

TRF No.: FCC 15C_TX_b

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INTERTEK TESTING SERVICES

LIST OF EXHIBITS

INTRODUCTION

<i>EXHIBIT 1:</i>	General Description
<i>EXHIBIT 2:</i>	System Test Configuration
<i>EXHIBIT 3:</i>	Emission Results
<i>EXHIBIT 4:</i>	Equipment Photographs
<i>EXHIBIT 5:</i>	Product Labelling
<i>EXHIBIT 6:</i>	Technical Specifications
<i>EXHIBIT 7:</i>	Instruction Manual
<i>EXHIBIT 8:</i>	Miscellaneous Information
<i>EXHIBIT 9:</i>	Confidentiality Request
<i>EXHIBIT 10:</i>	Test Equipment List

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MEASUREMENT/TECHNICAL REPORT

Acoustmax International Corp., Ltd

Model: MRR-S

Additional Model: MRR-SG, MRR-SP, MRR-SB

FCC ID: 2AAIN-RAMBLER

This report concerns (check one :) Original Grant X Class II Change _____

Equipment Type: DXX - Part 15 Low Power Communication Device Transmitter

Deferred grant requested per 47 CFR 0.457(d)(1)(ii)? Yes _____ No X

If yes, defer until: _____
date

Company Name agrees to notify the Commission by: _____
date

of the intended date of announcement of the product so that the grant can be issued on that date.

Transition Rules Request per 15.37? Yes _____ No X

If no, assumed Part 15, Subpart C for intentional radiator – the new 47 CFR [10-1-14 Edition] provision.

Report prepared by:

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Table of Contents

1.0 General Description	2
1.1 Product Description	2
1.2 Related Submittal(s) Grants	2
1.3 Test Methodology	2
1.4 Test Facility	3
2.0 System Test Configuration	5
2.1 Justification	5
2.2 EUT Exercising Software	5
2.3 Special Accessories	5
2.4 Equipment Modification	5
2.5 Measurement Uncertainty	6
2.6 Support Equipment List and Description	6
3.0 Emission Results	8
3.1 Radiated Test Results	9
3.1.1 Field Strength Calculation	9
3.1.2 Radiated Emission Configuration Photograph	10
3.1.3 Radiated Emissions	10
3.1.4 Transmitter Spurious Emissions (Radiated)	12
3.2 Conducted Emission at Mains Terminal	16
3.2.1 Conducted Emissions Configuration Photograph	16
3.2.2 Conducted Emissions	16
4.0 Equipment Photographs	20
5.0 Product Labelling	22
6.0 Technical Specifications	24
7.0 Instruction Manual	26
8.0 Miscellaneous Information	27
8.1 Bandedge Plot	28
8.2 20dB BW Plot	31
8.3 Discussion of Pulse Desensitization	32
8.4 Emissions Test Procedures	33
9.0 Confidentiality Request	36
10.0 Test Equipment List	38

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List of attached file

Exhibit type	File Description	Filename
Test Report	Test Report	report.pdf
Test Setup Photo	Radiated Emission	radiated photos.pdf
Test Setup Photo	Conducted Emission	conducted photos.pdf
Test Report	20dB BW Plot	bw.pdf
External Photo	External Photo	external photos.pdf
Internal Photo	Internal Photo	internal photos.pdf
Block Diagram	Block Diagram	block.pdf
Schematics	Circuit Diagram	circuit.pdf
Operation Description	Technical Description	descri.pdf
ID Label/Location	Label Artwork and Location	label.pdf
User Manual	User Manual	manual.pdf
Cover Letter	Confidentiality Letter	request.pdf
Cover Letter	Letter of Agency	agency.pdf

EXHIBIT 1

GENERAL DESCRIPTION

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1.0 General Description

1.1 Product Description

The equipment under test (EUT) is a Rockin' Rambler, it can transmit data through Bluetooth (4.0) function operating at 2402-2480MHz. The EUT can be powered by AC 120V, 60Hz from adapter and DC 16V, 1.48A from rechargeable Lithium ion Battery. For more detail information pls. refer to the user manual.

Bluetooth Version: 4.0

Antenna Type: Integral antenna

Modulation Type: GFSK

For electronic filing, the brief circuit description is saved with filename: descri.pdf.

1.2 Related Submittal(s) Grants

This is an application for certification of BT 4.0 portion for the Rockin' Rambler, and other radio function as below:

Bluetooth 2.1+EDR: refer to the report 151228014SZN-001

1.3 Test Methodology

Both AC mains line-conducted and radiated emission measurements were performed according to the procedures in ANSI C63.10 (2013). Radiated emission measurement was performed in Semi-anechoic chamber and conducted emission measurement was performed in shield room. For radiated emission measurement, preliminary scans were performed in the semi-anechoic chamber only to determine the worst case modes. All radiated tests were performed at an antenna to EUT distance of 3 meters, unless stated otherwise in the "**Justification Section**" of this Application. All other measurements were made in accordance with the procedures in part 2 of CFR 47.

1.4 Test Facility

The Semi-anechoic chamber and shielding room used to collect the radiated data and conducted data are **Intertek Testing Services Shenzhen Ltd. Kejiyuan Branch** and located at 6F, D Block, Huahan Building, Langshan Road, Nanshan District, Shenzhen, P. R. China. This test facility and site measurement data have been fully placed on file with the FCC(Registration Number: 242492).

EXHIBIT 2
SYSTEM TEST CONFIGURATION

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2.0 System Test Configuration

2.1 Justification

The system was configured for testing in a typical fashion (as a customer would normally use it), and in the confines as outlined in ANSI C63.10 (2013).

The EUT was powered by AC adapter with 120Vac/60Hz Input during the test, only the worst data was reported in this report.

All packets DH1, DH3 & DH5 mode in modulation type GFSK were tested and only the worst data was reported in this report.

For maximizing emissions, the EUT was rotated through 360°, the antenna height was varied from 1 meter to 4 meters above the ground plane, and the antenna polarization was changed. This step by step procedure for maximizing emissions led to the data reported in Exhibit 3.

The rear of unit was flushed with the rear of the table up to 1GHz and in the center of the turn table above 1GHz.

The equipment under test (EUT) was configured for testing in a typical fashion (as a customer would normally use it). The EUT was placed on a turn table, which enabled the engineer to maximize emissions through its placement in the three orthogonal axes.

2.2 EUT Exercising Software

The EUT exercise program (provided by client) used during testing was designed to exercise the various system components in a manner similar to a typical use.

2.3 Special Accessories

No special accessories used.

2.4 Equipment Modification

Any modifications installed previous to testing by Acoustmax International Corp., Ltd will be incorporated in each production model sold / leased in the United States.

No modifications were installed by Intertek Testing Services Shenzhen Ltd Kejiyuan Branch.

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2.5 Measurement Uncertainty

When determining the test conclusion, the Measurement Uncertainty of test has been considered.

2.6 Support Equipment List and Description

Description	Manufacturer	Model No.
iPod	Apple	A1367
AC Adapter	MASS POWER	NBS24J160148VU
Microphone	N/A	N/A
Load	N/A	5 ohm, 5W
USB Cable	N/A	Unshielded 100cm

EXHIBIT 3
EMISSION RESULTS

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3.0 Emission Results

Data is included worst-case configuration (the configuration which resulted in the highest emission levels). A sample calculation, configuration photographs and data tables of the emissions are included.

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3.1 Radiated Test Results

A sample calculation, configuration photographs and data tables of the emissions are included.

3.1.1 Field Strength Calculation

The field strength is calculated by adding the reading on the Spectrum Analyzer to the factors associated with preamplifiers (if any), antennas, cables, pulse desensitization and average factors (when specified limit is in average and measurements are made with peak detectors). A sample calculation is included below.

$$FS = RA + AF + CF - AG + PD$$

Where FS = Field Strength in dB μ V/m
 RA = Receiver Amplitude (including preamplifier) in dB μ V
 CF = Cable Attenuation Factor in dB
 AF = Antenna Factor in dB
 AG = Amplifier Gain in dB
 PD = Pulse Desensitization in dB

In the radiated emission table which follows, the reading shown on the data table may reflect the preamplifier gain. An example of the calculations, where the reading does not reflect the preamplifier gain, follows:

$$FS = RA + AF + CF - AG + PD$$

Assume a receiver reading of 62.0 dB μ V is obtained. The antenna factor of 7.4 dB and cable factor of 1.6 dB is added. The amplifier gain of 29 dB is subtracted. The pulse desensitization factor of the spectrum analyzer was 0 dB. The net field strength for comparison to the appropriate emission limit is 42 dB μ V/m. This value in dB μ V/m was converted to its corresponding level in μ V/m.

RA = 62.0 dB μ V
AF = 7.4 dB
CF = 1.6 dB
AG = 29.0 dB
PD = 0 dB
FS = 62 + 7.4 + 1.6 - 29 + 0 = 42 dB μ V/m

Level in μ V/m = Common Antilogarithm [(42 dB μ V/m)/20] = 125.9 μ V/m

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3.1.2 Radiated Emission Configuration Photograph

For electronic filing, the worst case radiated emission configuration photograph is saved with filename: radiated photos. pdf.

3.1.3 Radiated Emissions

The data on the following page lists the significant emission frequencies, the limit and the margin of compliance. Numbers with a minus sign are below the limit.

Worst Case Radiated Emission
at
671.124 MHz

Judgement: Passed by 1.8 dB

TEST PERSONNEL:

Sign on file

Vincent Chen, Engineer
Typed/Printed Name

29 January 2016
Date

INTERTEK TESTING SERVICES

Applicant: Acoustmax International Corp., Ltd

Model: MRR-S

Sample: 1/1

Worst Case Operating Mode: Transmitting (2402MHz)

Table 1

Radiated Emissions

Polarization	Frequency (MHz)	Reading (dB μ V)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dB μ V/m)	Limit at 3m (dB μ V/m)	Margin (dB)
Horizontal	213.109	46.6	20.0	7.6	34.2	43.5	-9.3
Horizontal	671.124	52.8	20.0	11.4	44.2	46.0	-1.8
Horizontal	865.269	41.0	20.0	19.1	40.1	46.0	-5.9
Vertical	673.324	54.1	20.0	8.4	42.5	46.0	-3.5
Vertical	768.643	42.1	20.0	18.0	40.1	46.0	-5.9
Vertical	866.254	41.0	20.0	19.2	40.2	46.0	-5.8

NOTES: 1. Quasi-Peak detector is used except for others stated.

2. All measurements were made at 3 meters. Harmonic emissions not detected at the 3-meter distances were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other harmonic emissions than those reported were detected at a test distance of 0.3-meter.

3. Negative value in the margin column shows emission below limit.

4. All emissions are below the QP limit.

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3.1.4 Transmitter Spurious Emissions (Radiated)

Worst Case Radiated Emission
at
2402.000MHz MHz

For electronic filing, the worst case radiated emission configuration photograph is saved with filename: radiated photos. pdf.

The data on the following page lists the significant emission frequencies, the limit and the margin of compliance. Numbers with a minus sign are below the limit.

Judgement: Passed by 4.8 dB

TEST PERSONNEL:

Sign on file

Vincent Chen, Engineer
Typed/Printed Name

29 January 2016
Date

INTERTEK TESTING SERVICES

Applicant: Acoustmax International Corp., Ltd

Model: MRR-S

Sample: 1/1

Worst Case Operating Mode: Transmitting

Table 2

Radiated Emissions

(2402MHz)

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBμV/m)	Peak Limit at 3m (dBμV/m)	Margin (dB)
Horizontal	2402.000	106.5	36.7	28.5	98.3	114.0	-15.7
Horizontal	4804.000	51.7	36.7	35.0	50.0	74.0	-24.0
Horizontal	7206.000	54.4	36.1	37.0	55.3	74.0	-18.7

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBμV/m)	Average Limit at 3m (dBμV/m)	Margin (dB)
Horizontal	2402.000	97.4	36.7	28.5	89.2	94.0	-4.8
Horizontal	4804.000	37.1	36.7	35.0	35.4	54.0	-18.6
Horizontal	7206.000	40.7	36.1	37.0	41.6	54.0	-12.4

Notes: 1. Peak detector is used, RBW=1MHz/VBW=3MHz used for peak value and RBW=1MHz / VBW=10Hz for average value, RBW 3MHz used for fundamental emission.

2. All measurements were made at 3 meter. Harmonic emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other harmonic emissions than those reported were detected at a test distance of 0.3-meter.

3. Negative value in the margin column shows emission below limit.

4. Horn antenna is used for the emission over 1000MHz.

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Applicant: Acoustmax International Corp., Ltd

Model: MRR-S

Sample: 1/1

Worst Case Operating Mode: Transmitting

Table 3

Radiated Emissions

(2442MHz)

Polarization	Frequency (MHz)	Reading (dB μ V)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dB μ V/m)	Peak Limit at 3m (dB μ V/m)	Margin (dB)
Horizontal	2442.000	107.2	36.7	28.5	99.0	114.0	-15.0
Horizontal	4884.000	50.6	36.7	35.0	48.9	74.0	-25.1
Horizontal	7326.000	55.5	36.1	37.0	56.4	74.0	-17.6

Polarization	Frequency (MHz)	Reading (dB μ V)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dB μ V/m)	Average Limit at 3m (dB μ V/m)	Margin (dB)
Horizontal	2442.000	97.3	36.7	28.5	89.1	94.0	-4.9
Horizontal	4884.000	36.9	36.7	35.0	35.2	54.0	-18.8
Horizontal	7326.000	39.3	36.1	37.0	40.2	54.0	-13.8

- Notes:
1. Peak detector is used, RBW=1MHz/VBW=3MHz used for peak value and RBW=1MHz / VBW=10Hz for average value, RBW 3MHz used for fundamental emission.
 2. All measurements were made at 3 meter. Harmonic emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other harmonic emissions than those reported were detected at a test distance of 0.3-meter.
 3. Negative value in the margin column shows emission below limit.
 4. Horn antenna is used for the emission over 1000MHz.

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Applicant: Acoustmax International Corp., Ltd

Model: MRR-S

Sample: 1/1

Worst Case Operating Mode: Transmitting

Table 4

Radiated Emissions

(2480MHz)

Polarization	Frequency (MHz)	Reading (dB μ V)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dB μ V/m)	Limit at 3m (dB μ V/m)	Margin (dB)
Horizontal	2480.000	107.2	36.7	28.3	98.8	114.0	-15.2
Horizontal	4960.000	51.4	36.7	35.3	50.0	74.0	-24.0
Horizontal	7440.000	54.3	36.1	37.0	55.2	74.0	-18.8

Polarization	Frequency (MHz)	Reading (dB μ V)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dB μ V/m)	Average Limit at 3m (dB μ V/m)	Margin (dB)
Horizontal	2480.000	96.8	36.7	28.3	88.4	94.0	-5.6
Horizontal	4960.000	36.3	36.7	35.3	34.9	54.0	-19.1
Horizontal	7440.000	40.2	36.1	37.0	41.1	54.0	-12.9

- Notes:
1. Peak detector is used, RBW=1MHz/VBW=3MHz used for peak value and RBW=1MHz / VBW=10Hz for average value, RBW 3MHz used for fundamental emission.
 2. All measurements were made at 3 meter. Harmonic emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other harmonic emissions than those reported were detected at a test distance of 0.3-meter.
 3. Negative value in the margin column shows emission below limit.
 4. Horn antenna is used for the emission over 1000MHz.

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3.2 Conducted Emission at Mains Terminal

3.2.1 Conducted Emissions Configuration Photograph

For electronic filing, the worst case conducted emission configuration photograph is saved with filename: conducted photos.pdf.

3.2.2 Conducted Emissions

Worst Case Conducted Configuration
At

0.158 MHz

Judgement: Passed by 13.5 dB margin

TEST PERSONNEL:

Sign on file

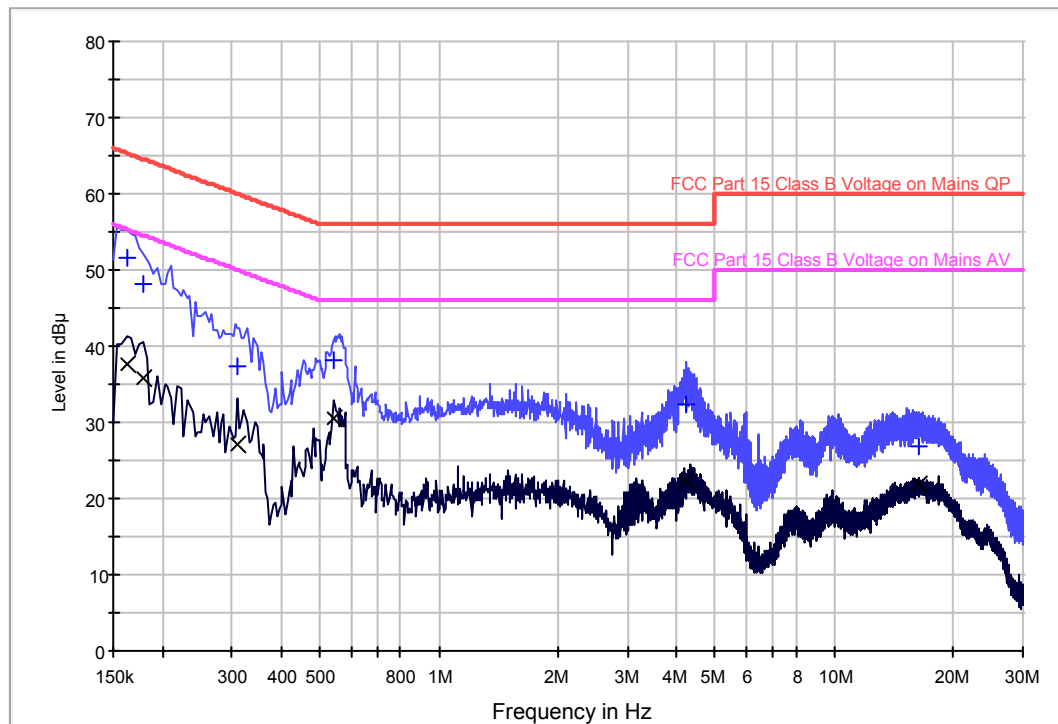
Vincent Chen, Engineer
Typed/Printed Name

29 January 2016
Date

INTERTEK TESTING SERVICES

Applicant: Acoustmax International Corp., Ltd
Model: MRR-S
Sample: 1/1
Worst Case Operating Mode: BT Link

Conducted Emission Test - FCC



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dB μ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.162	51.6	9.000	L	9.8	13.8	65.4
0.178	48.1	9.000	L	9.8	16.5	64.6
0.310	37.5	9.000	L	9.9	22.5	60.0
0.542	38.2	9.000	L	9.9	17.8	56.0
4.222	32.3	9.000	L	10.0	23.7	56.0
16.322	26.8	9.000	L	10.1	33.2	60.0

Limit and Margin AV

Frequency (MHz)	Average (dB μ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.162	37.6	9.000	L	9.8	17.8	55.4
0.178	35.7	9.000	L	9.8	18.9	54.6
0.310	27.1	9.000	L	9.9	22.9	50.0
0.542	30.4	9.000	L	9.9	15.6	46.0
4.222	22.4	9.000	L	10.0	23.6	46.0
16.322	21.7	9.000	L	10.1	28.3	50.0

TRF No.: FCC 15C_TX_b
FCC ID: 2AAIN-RAMBLER
Report No.: 151228014SZN-002

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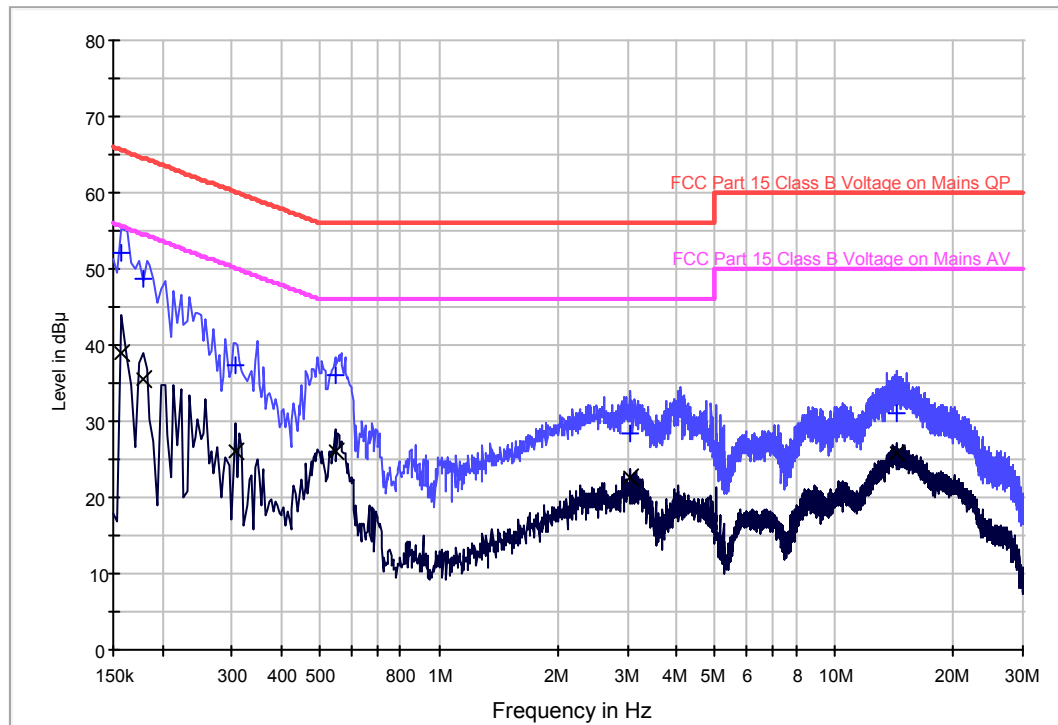
Applicant: Acoustmax International Corp., Ltd

Model: MRR-S

Sample: 1/1

Worst Case Operating Mode: BT Link

Conducted Emission Test - FCC



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dB μ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.158	52.1	9.000	N	10.2	13.5	65.6
0.178	48.8	9.000	N	10.2	15.8	64.6
0.306	37.4	9.000	N	10.2	22.7	60.1
0.546	36.0	9.000	N	10.3	20.0	56.0
3.046	28.4	9.000	N	10.3	27.6	56.0
14.442	31.1	9.000	N	10.4	28.9	60.0

Limit and Margin AV

Frequency (MHz)	Average (dB μ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.158	38.9	9.000	N	10.2	16.7	55.6
0.178	35.6	9.000	N	10.2	19.0	54.6
0.306	26.0	9.000	N	10.2	24.1	50.1
0.546	26.1	9.000	N	10.3	19.9	46.0
3.046	22.6	9.000	N	10.3	23.4	46.0
14.442	25.8	9.000	N	10.4	24.2	50.0

TRF No.: FCC 15C_TX_b

FCC ID: 2AAIN-RAMBLER

Report No.: 151228014SZN-002

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EXHIBIT 4

EQUIPMENT PHOTOGRAPHS

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4.0 Equipment Photographs

For electronic filing, the photographs of the tested EUT are saved with filename: external photos.pdf & internal photos.pdf.

EXHIBIT 5
PRODUCT LABELLING

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5.0 **Product Labelling**

For electronic filing, the FCC ID label artwork and the label location are saved with filename: label.pdf.

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EXHIBIT 6

TECHNICAL SPECIFICATIONS

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6.0 Technical Specifications

For electronic filing, the block diagram and schematics of the tested EUT are saved with filename: block.pdf and circuit.pdf respectively.

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EXHIBIT 7

INSTRUCTION MANUAL

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7.0 Instruction Manual

For electronic filing, a preliminary copy of the Instruction Manual is saved with filename: manual.pdf.

This manual will be provided to the end-user with each unit sold/leased in the United States.

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EXHIBIT 8

MISCELLANEOUS INFORMATION

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8.0 Miscellaneous Information

This miscellaneous information includes details of the measured bandedge, the test procedure and calculation of factor such as pulse desensitization.

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8.1 Bandedge Plot

For electronic filing, the plot shows the fundamental emission when modulated is saved with filename: bandedge.pdf. From the plot, the field strength of any emissions outside of the specified frequency band are attenuated to the general radiated emission limits in section 15.209. It fulfils the requirement of 15.249(d).

Peak Measurement

Bandedge compliance is determined by applying marker-delta method, i.e (Bandedge Plot).

(i) Lower channel 2402MHz:

Peak Resultant field strength = Fundamental emissions (peak value) – delta from the bandedge plot

$$\begin{aligned} &= 98.3 \text{ dB}\mu\text{v/m} - 51.6 \text{ dB} \\ &= 46.7 \text{ dB}\mu\text{v/m} \end{aligned}$$

Average Resultant field strength = Fundamental emissions (Average value) – delta from the bandedge plot

$$\begin{aligned} &= 89.2 \text{ dB}\mu\text{v/m} - 51.6 \text{ dB} \\ &= 37.6 \text{ dB}\mu\text{v/m} \end{aligned}$$

(ii) Upper channel 2480MHz:

Peak Resultant field strength = Fundamental emissions (peak value) – delta from the bandedge plot

$$\begin{aligned} &= 98.8 \text{ dB}\mu\text{v/m} - 58.7 \text{ dB} \\ &= 40.1 \text{ dB}\mu\text{v/m} \end{aligned}$$

Average Resultant field strength = Fundamental emissions (Average value) – delta from the bandedge plot

$$\begin{aligned} &= 88.4 \text{ dB}\mu\text{v/m} - 58.7 \text{ dB} \\ &= 29.7 \text{ dB}\mu\text{v/m} \end{aligned}$$

The resultant field strength meets the general radiated emission limit in section 15.209, which does not exceed 74dB μ v/m (Peak Limit) and 54dB μ v/m (Average Limit).

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8.1 Bandedge Plot (cont'd)

Pursuant to FCC part 15 Section 15.215(c), the 20dB bandwidth of the emission was contained within the frequency band designated (mentioned as above) which the EUT operated. The effects, if any, from frequency sweeping, frequency hopping, other modulation techniques and frequency stability over excepted variations in temperature and supply voltage were considered.

Figure 8.1 Bandwidth

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8.2 20dB BW Plot

Pursuant to FCC part 15 Section 15.215(c), the 20dB bandwidth of the emission was contained within the frequency band designated (mentioned as above) which the EUT operated. The effects, if any, from frequency sweeping, frequency hopping, other modulation techniques and frequency stability over excepted variations in temperature and supply voltage were considered.

Figure 8.2 Bandwidth

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8.3 Discussion of Pulse Desensitization

Pulse desensitivity is not applicable for this device.

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8.4 Emissions Test Procedures

The following is a description of the test procedure used by Intertek Testing Services in the measurements of transmitters operating under Part 15, Subpart C rules.

The test set-up and procedures described below are designed to meet the requirements of ANSI C63.10 - 2013.

The transmitting equipment under test (EUT) is placed on a styrene turntable which is four feet in diameter, up to 1GHz 0.8m and above 1GHz 1.5m in height above the ground plane. During the radiated emissions test, the turntable is rotated and any cables leaving the EUT are manipulated to find the configuration resulting in maximum emissions. The EUT is adjust through all three orthogonal axes to obtain maximum emission levels. The antenna height and polarization are varied during the testing to search for maximum signal levels.

Detector function for radiated emissions is in peak mode. Average readings, when required, are taken by measuring the duty cycle of the equipment under test and subtracting the corresponding amount in dB from the measured peak readings.

The frequency range scanned is from the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or 40 GHz, whichever is lower.

Detector function for conducted emissions is in QP & AV mode and IFBW setting is 9 kHz from the frequency band 150 kHz to 30MHz.

INTERTEK TESTING SERVICES

8.4 Emissions Test Procedures (cont'd)

The EUT is warmed up for 15 minutes prior to the test.

AC power to the unit is varied from 85% to 115% nominal and variation in the fundamental emission field strength is recorded. If battery powered, a new, fully charged battery is used.

Conducted measurements are made as described in ANSI C63.10 - 2013.

The IF bandwidth used for measurement of radiated signal strength was 10 kHz for emission below 30 MHz and 120 kHz for emission from 30 MHz to 1000 MHz. Where pulsed transmissions of short enough pulse duration warrant, a greater bandwidth is selected according to the recommendations of Hewlett Packard Application Note 150-2. Above 1000 MHz, a resolution bandwidth of 1 MHz is used, RBW 3MHz used for fundamental emission.

Transmitter measurements are normally conducted at a measurement distance of three meters. However, to assure low enough noise floor in the restricted bands and above 1 GHz, signals are acquired at a distance of one meter or less. All measurements are extrapolated to three meters using inverse scaling, but those measurements taken at a closer distance are so marked.

INTERTEK TESTING SERVICES

EXHIBIT 9

CONFIDENTIALITY REQUEST

INTERTEK TESTING SERVICES

9.0 Confidentiality Request

For electronic filing, the confidentiality request of the tested EUT is saved with filename: request.pdf.

EXHIBIT 10
TEST EQUIPMENT LIST

INTERTEK TESTING SERVICES

10.0 Test Equipment List

Equipment No.	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
SZ061-03	BiConiLog Antenna	ETS	3142C	00066460	14-Jun-15	14-Jun-16
SZ061-07	Pyramidal Horn Antenna	ETS	3160-09	00083067	3-Sep-15	3-Sep-16
SZ061-08	Horn Antenna	ETS	3115	00092346	17-Oct-15	17-Oct-16
SZ061-06	Active Loop Antenna	Electro-Metrics	EM-6876	217	29-Apr-15	29-Apr-16
SZ056-03	Spectrum Analyzer	R&S	FSP30	101148	8-Jun-15	8-Jun-16
SZ181-04	Preamplifier	Agilent	8449B	3008A02474	7-Feb-15	7-Feb-16
SZ188-01	Anechoic Chamber	ETS	RFD-F/A-100	4102	19-Apr-14	19-Apr-16
SZ062-02	RF Cable	RADIAL	RG 213U	--	30-Dec-15	30-Jun-16
SZ062-06	RF Cable	RADIAL	0.04-26.5GHz	--	30-Dec-15	30-Jun-16
SZ062-12	RF Cable	RADIAL	0.04-26.5GHz	--	8-Oct-15	8-Apr-16
SZ067-04	Notch Filter	Micro-Tronics	BRM5070 2-02	--	20-May-15	20-May-16
SZ185-02	EMI Test Receiver	R&S	ESCI	100692	12-Oct-15	12-Apr-16
SZ187-01	Two-Line V-Network	R&S	ENV216	100072	3-Nov-15	3-Nov-16
SZ187-02	Two-Line V-Network	R&S	ENV216	100073	24-Jun-15	24-Jun-16
SZ188-03	Shielding Room	ETS	RFD-100	4100	23-Aug-14	23-Aug-16