RF TEST REPORT



Report No.: RF_SL13103101-SFE-008_FCC-IC

Supersede Report No.: None

Applicant	;	Active Mind Technology, Inc.
Product Name	:	GAME GOLF
Model No.	:	AMTGG1RB
Test Standard	;	FCC 15.225 (2013)
		FCC 15.207 (2013)
		RSS 210 Issue 8 (2010)
Test Method		FCC 15.225 (2013)
		ANSI C63.4 2009
		RSS Gen 4.6, RSS Gen 4.7 & RSS Gen 4.9
FCC ID	**	2AAP4-AMTGG1RB
IC ID	:	11296A-AMTGG1RB
Dates of test	:	February 5, 2014 - February 10, 2014
Issue Date		2/21/2014
Test Result	;	⊠ Pass ☐ Fail
Equipment complied with the specification	[X]
Equipment did not comply with the specification]	1

This Test Report is Issued Under the Authority of:		
Angel Escamilla	N. nalber G.	
Angel Escamilla	Nima Molaei	
Test Engineer	Engineer Reviewer	
This test report may be reproduced in full only Test result presented in this test report is applicable to the tested sample only		

Issued By:

SIEMIC Laboratories

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Laboratory Introduction

SIEMIC, headquartered in the heart of Silicon Valley, with superior facilities in US and Asia, is one of the leading independent testing and certification facilities providing customers with one-stop shop services for Compliance Testing and Global Certifications.



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Accreditations for Conformity Assessment

Country/Region	Accreditation Body	Scope
USA	FCC, A2LA	EMC, RF/Wireless, Telecom
Canada	IC, A2LA, NIST	EMC, RF/Wireless, Telecom
Taiwan	BSMI, NCC, NIST	EMC, RF, Telecom, Safety
Hong Kong	OFTA, NIST	RF/Wireless, Telecom
Australia	NATA, NIST	EMC, RF, Telecom, Safety
Korea	KCC/RRA, NIST	EMI, EMS, RF, Telecom, Safety
Japan	VCCI, JATE, TELEC, RFT	EMI, RF/Wireless, Telecom
Mexico	NOM, COFETEL, Caniety	Safety, EMC, RF/Wireless, Telecom
Europe	A2LA, NIST	EMC, RF, Telecom, Safety

Accreditations for Product Certifications

Country	Accreditation Body	Scope
USA	FCC TCB, NIST	EMC, RF, Telecom
Canada	IC FCB, NIST	EMC, RF, Telecom
Singapore	iDA, NIST	EMC, RF, Telecom
EU	NB	EMC & R&TTE Directive
Japan	MIC (RCB 208)	RF, Telecom
Hong Kong	OFTA (US002)	RF, Telecom

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Report Revision History

Report No.	Report Version	Description	Issue Date
RF_SL13103101-SFE-008_FCC-IC	-	Original	2/21/2014



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2 **Executive Summary**

The purpose of this test program was to demonstrate compliance of the Active Mind Technology, Inc., GAME GOLF, and model: AMTGG1RB against the current Stipulated Standards. The AMTGG1RB has demonstrated compliance with the Stipulated Standard listed on 1st page.

3 Customer information

Applicant Name	:	Active Mind Technology, Inc.
Applicant Address	:	520 Townsend Street, Suite 300, San Francisco, CA 94103
Manufacturer Name	:	Active Mind Technology, Inc.
Manufacturer Address	:	520 Townsend Street, Suite 300, San Francisco, CA 94103

4 Test site information

Lab performing tests	:	SIEMIC Laboratories
Lab Address	:	775 Montague Expressway, Milpitas, CA 95035
FCC Test Site No.	:	881796
IC Test Site No.	:	4842D-2
VCCI Test Site No.	:	A0133

5 Modification

Index	Item	Description	Note
-	-	-	-

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EUT Information

6.1 **EUT Description**

Product Name	1:	GAME GOLF
Model No.	:	AMTGG1RB
Trade Name	1:	GAME
Serial No.	:	-
Input Power	:	5VDC (USB)
Date of EUT received	:	January 28, 2014
Equipment Class/ Category	1:	DXX
Clock/Operating Frequencies	:	13.56 MHz
Port/Connectors	1:	USB

Radio Description <u>6.2</u>

Spec for Radio

opeo ioi itaaio	
Radio Type	RFID
Operating Frequency	13.56MHz
Modulation	AM
Antenna Type	Mag Loop Antenna Integral
Antenna Gain	N/A

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<u>6.3</u> EUT test modes/configuration Description

Mode	Note	
RF test	EUT continuous transmit when powered on	
Note: None		

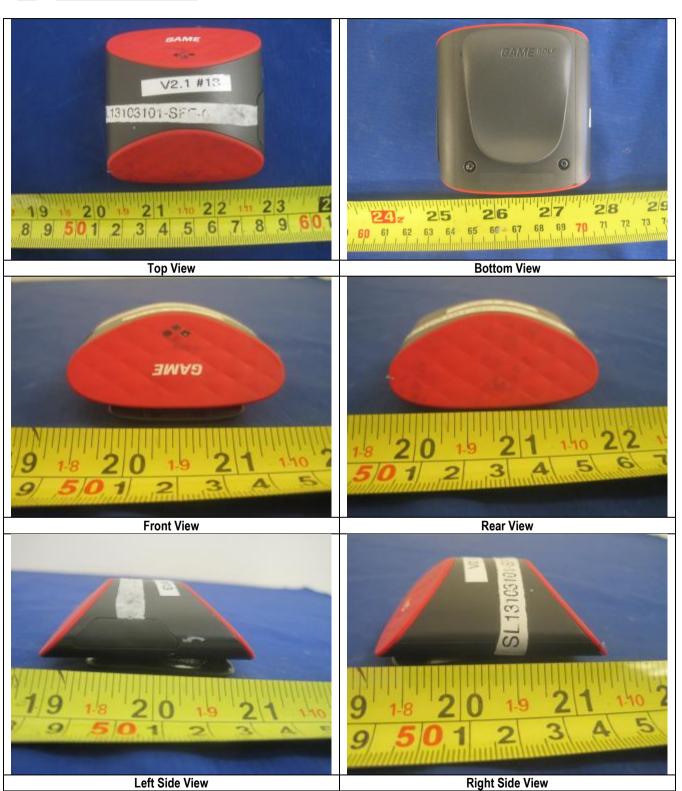
Test Item	Operating mode	Tested antenna port	Test frequencies	
Antenna Requirement	N/A	-		
Conducted Emissions Voltage	N/A	-		
Limit in the band of 13.553 – 13.567 MHz	Continuous Transmit	-		
Limit in the band of 13.410 – 13.553 MHz and 13.567 – 13.710 MHz	Continuous Transmit	-	- 13.56MHz	
Limit in the band of 13.110 – 13.410 MHz and 13.710 – 14.010 MHz	Continuous Transmit	-	13.30WITZ	
Limit outside the band of 13.110 – 14.010 MHz	Continuous Transmit	-		
Frequency Stability	Continuous Transmit	-		
Occupied Bandwidth	Continuous Transmit	-		

Note: EUT uses a PCB trace antenna attached to the PCB board. Only radiated measurements were tested.



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EUT Photos – External 6.4



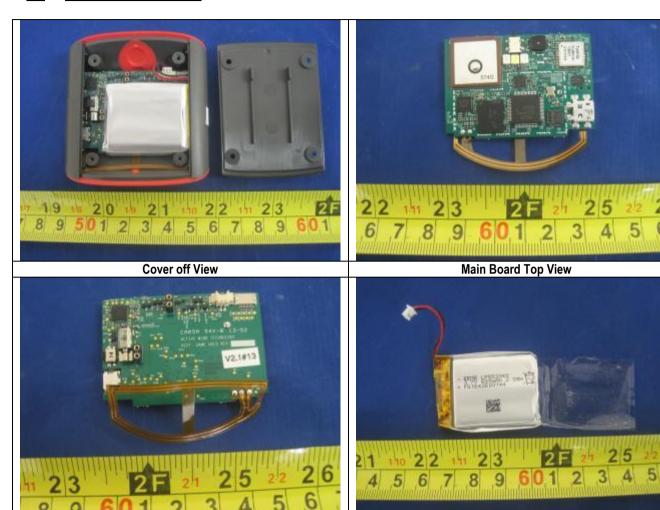


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Battery

EUT Photos – Internal 6.5

Maint Board Bottom View



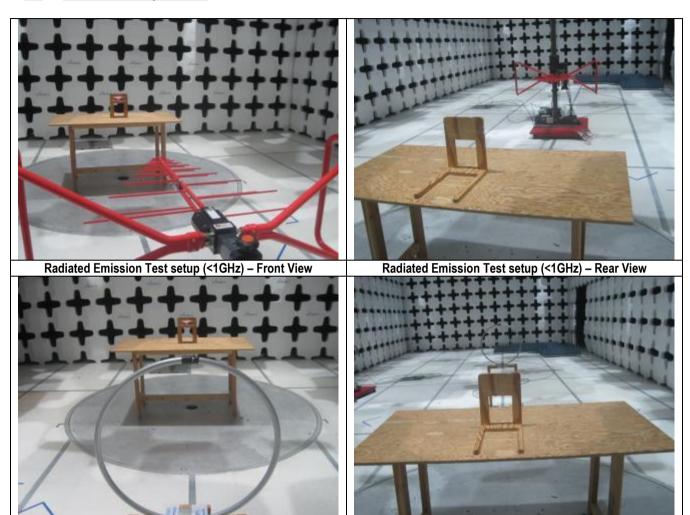


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Radiated Emission Test setup (<30MHz) - Rear View

EUT Test Setup Photos 6.6

Radiated Emission Test setup (<30MHz) - Front View





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7 Supporting Equipment/Software and cabling Description

7.1 Supporting Equipment

Index	Supporting Equipment Description	Model	Serial No.	Manu	Note
1	Laptop ¹	T60	6371E5U	Lenovo	-

¹Note: The laptop was used only to charge the EUT, but was not used during testing.

7.2 Cabling Description

Name	Connect	tion Start	Connection Stop Length / shielding Info		elding Info	Note	
Name	From	I/O Port	То	I/O Port	Length (m)	Shielding	Note
Cable ²	EUT	USB	Laptop	USB	1	Unshielded	-

 $^{^2\}mathrm{Note}$: The cable was used while charging the EUT, but was not used during testing.

7.3 Test Software Description

Test Item	Software	Description
-	-	-

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Test Summary

Test Item	Test standard			Test Method/Procedure	Pass / Fail
Antenna Reguirement	FCC	15.203	FCC	-	□ Pass
7 thorna requirement	IC		IC	-	□ N/A
AC Conducted Emissions	FCC	15.207(a)	FCC	ANSI C63.4 2009	□ Pass
Voltage ³	IC	RSS Gen (7.2.2)	IC	-	⊠ N/A

³Note: Test is not required. The EUT is powered by an internal battery.

Test Item			Test standard		Test Method/Procedure	Pass / Fail
Limit in the band of 13.553 –		FCC	15.225(a)	FCC	ANSI C63.4 2009	⊠ Pass
13.	567 MHz	IC	RSS210(A2.6)	IC	RSS Gen 4.9	□ N/A
	band of 13.410 –	FCC	15.225(b)	FCC	ANSI C63.4 2009	□ Pass
	ind 13.567 – 13.710 MHz	IC	RSS210(A2.6)	IC	RSS Gen 4.9	□ N/A
	band of 13.110 –	FCC	15.225(c)	FCC	ANSI C63.4 2009	⊠ Pass
	13.410 MHz and 13.710 – 14.010 MHz		RSS210(A2.6)	IC	RSS Gen 4.9	□ N/A
Limit outside	Limit outside the band of 13.110		15.225(d), 15.209	FCC	ANSI C63.4 2009	⊠ Pass
- 14	.010 MHz	IC	RSS210(A2.6)	IC	RSS Gen 4.9	□ N/A
Eroque	ency Stability	FCC	15.225(e)	FCC	-	⊠ Pass
rieque	ency Stability	IC	RSS210(A2.6)	IC	RSS Gen 4.7	□ N/A
Occupie	ad Dandwidth	FCC	-	FCC	-	⊠ Pass
Occupie	Occupied Bandwidth		RSS-210(5.9.1)	IC	RSS Gen 4.6	□ N/A
Remark	 All measurement uncertainties are not taken into consideration for all presented test result. The applicant shall ensure frequency stability by showing that an emission is maintained within the band of operation under all normal operating conditions as specified in the user's manual. Test Method: ANSI C63.4: 2009 / RSS – Gen Issue 3: 2010 					

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Measurement Uncertainty

Test Item	Frequency Range	Description	Uncertainty
AC Conducted Emissions Voltage	150KHz – 30MHz	Confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2	±3.5dB
Limit in the band of 13.553 – 13.567 MHz	13.553 – 13.567 MHz		+5.6dB/- 4.5dB
Limit in the band of 13.410 – 13.553 MHz and 13.567 – 13.710 MHz	13.410 – 13.553 MHz and 13.567 – 13.710 MHz	Confidence level of approximately 050/ (in the	+5.6dB/- 4.5dB
Limit in the band of 13.110 – 13.410 MHz and 13.710 – 14.010 MHz	13.110 – 13.410 MHz and 13.710 – 14.010 MHz	Confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2 (for EUTs < 0.5m X 0.5m)	+5.6dB/- 4.5dB
Limit outside the band of 13.110 – 14.010 MHz	9KHz – 30MHz	7 (7.511)	+5.6dB/- 4.5dB
Radiated Spurious Emissions	30MHz – 1GHz		+5.6dB/- 4.5dB

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10 Measurements, examination and derived results

10.1 Antenna Requirement

Spec	Requirement	Applicable
§15.203	An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. Antenna requirement must meet at least one of the following: a) Antenna must be permanently attached to the device. b) The antenna must use a unique type of connector to attach to the device. c) Device must be professionally installed. The installer shall be responsible for ensuring that the correct antenna is employed by the device.	
Remark	The RFID antenna is integral to the PCB board permanently to the device which meets the requiremental Photographs submitted as another Exhibit).	uirement (See
Result	⊠ PASS ☐ FAIL	

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10.2 Conducted Emission Test Result

Conducted Emission Limits

Section	Frequency ranges	Limit (dBuV)		
Section	(MHz)	QP Average		
	0.15 ~ 0.5	66 – 56	56 – 46	
Class B devices	0.5 ~ 5	56	46	
	5 ~ 30	60	50	

Spec	Item	Requirement		Applicable			
§ 15.207, RSS210(A8.1)	a)	power line, the radio on any frequency of the limits set in § 15 stabilization network	adiator that is designed to be connected to the public utility (AC) of frequency voltage that is conducted back onto the AC power line or frequencies, within the band 150 kHz to 30 MHz, shall not exceed 5.207, as measured using a 50 µH/50 ohms line impedance k (LISN). emission within the band 150KHz to 30MHz				
Test Setup			Vertical Ground Reference Plane Bocm Horizontal Ground Reference Plane Support units were connected to second LISN. Both of LISNs (AMN) are 80cm from EUT and at least 80cm from other units and other metal planes support units.				
Procedure	- - -	 The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m x 1m x 0.8m high, non-metallic table, as shown in Annex B. The power supply for the EUT was fed through a 50Ω/50μH EUT LISN, connected to filtered mains. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss coaxial cable. All other supporting equipment was powered separately from another main supply. 					
Test Date		N/A	Environmental condition Environmental condition Temperature Relative Humidity Atmospheric Pressure	N/A N/A N/A			
Remark	Test is no required. EUT is powered by an internal battery.						
Result	□ Pas	ss 🗆 Fail					
Test Data 🔲 `	Yes	⊠ N	N/A				
Test Plot □	Yes	⊠ N	N/A				

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10.3 Radiated Measurement

Receiver/Spectrum analyzer setting

TEST	Detector	RBW	VBW	Test Distance	NOTES
Radiated Emission < 1GHz (30MHz – 1GHz)	PK/QP	100KHz	300KHz	3m	-
Radiated Emission < 30MHz	PK/QP	10KHz	30KHz	3m	-





Test Plot ⊠ Yes (See below)

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10.3.1 Radiated Measurement below 1GHz

Requirement(s):

Spec	Requirement			Applicable
	power radio-frequency dev following table and the leve	ified elsewhere in another section ices shall not exceed the field stall of any unwanted emissions shall the band	trength levels specified in the nall not exceed the level of the	
§ 15.209 ,RSS210 (A8.5)	Frequency range (MHz) 0.009-0.490 0.490-1.705 1.705-30.0 30 - 88 88 - 216 216 960 Above 960	Field Strength (uV/m) 2400/F(kHz) 24000/F(kHz) 30 100 150 200 500	Measurements Distance (meters) 300 30 30 30 30 30 30 3 3 3 3 3 3	
	EUT& Support U	3m for <1GHz 3m for >1GHz Turn Table	Ant. Tower 1-4m Variable	
Test Setup	80cm	Ground Plan Test Receive		-
Procedure	1. The EUT was sw 2. The test was carr Maximization of ti polarization, and a. Vertica rotatior b. The EU c. Finally, 3. A Quasi-peak me	itched on and allowed to warm upied out at the selected frequency he emissions, was carried out by adjusting the antenna height in the I or horizontal polarisation (which not the EUT) was chosen. JT was then rotated to the direction the antenna height was adjusted easurement was then made for the	p to its normal operating condition points obtained from the EUT changing the ane following manner: never gave the higher emission leads to the height that gave the maximum emissed the height that gave the	naracterisation. Intenna vel over a full ion. mum emission.
	1. The EUT was sw 2. The test was carr Maximization of the polarization, and a. Vertical rotation b. The EUC. Finally, 3. A Quasi-peak med 4. Steps 2 and 3 westerns as well as the polarization b. The EUC.	itched on and allowed to warm upied out at the selected frequency he emissions, was carried out by adjusting the antenna height in the I or horizontal polarisation (which not the EUT) was chosen. JT was then rotated to the direction the antenna height was adjusted easurement was then made for the	p to its normal operating condition points obtained from the EUT changing the ane following manner: never gave the higher emission leads to the height that gave the maximum that frequency point.	naracterisation. Intenna vel over a full ion. mum emission.

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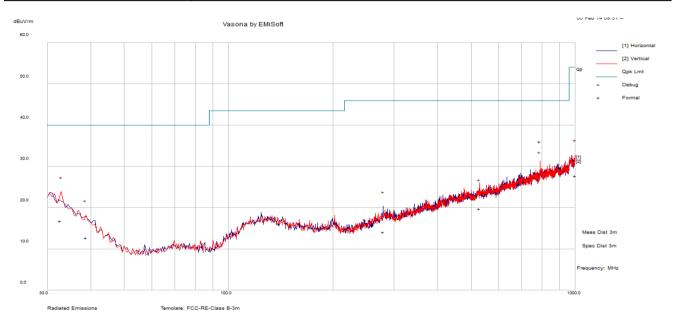
□ N/A





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Test specification:	Radiated Spurious Emissions			
	Temp(°C):	20		
Environmental Conditions:	Humidity (%):	36		⊠ D
	Atmospheric(mbar):	1021	Decult	⊠ Pass
Mains Power:	5VDC		Result:	□ - ::
Tested by:	Angel Escamilla	Angel Escamilla		☐ Fail
Test Date:	2/5/2014	2/5/2014		
Remarks:	30 – 1000 MHz			



Test Data

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
32.71	18.06	1.30	-2.53	16.83	Quasi Max	V	273.00	314.00	40.00	-23.17	Pass
38.90	18.24	1.39	-6.89	12.75	Quasi Max	V	244.00	327.00	40.00	-27.25	Pass
279.43	18.95	3.16	-7.95	14.17	Quasi Max	Н	118.00	203.00	46.00	-31.83	Pass
528.86	19.10	4.60	-3.94	19.75	Quasi Max	Н	323.00	21.00	46.00	-26.25	Pass
790.09	19.17	5.63	-0.99	23.80	Quasi Max	Н	338.00	334.00	46.00	-22.20	Pass
999.97	19.06	6.59	2.10	27.75	Quasi Max	Н	212.00	307.00	54.00	-26.25	Pass

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10.3.2 Radiated Measurement below 30MHz

Requirement(s):

Test Plot

Spec	Requirement	Applicable			
47 CFR §15.225 RSS-210 (A2.6)	Operation within the band 13.110–14.010 MHz. (a) The field strength of any emissions within the band 13.553–13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters. (b) Within the bands 13.410–13.553 MHz and 13.567–13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters. (c) Within the bands 13.110–13.410 MHz and 13.710–14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters. (d) The field strength of any emissions appearing outside of the 13.110–14.010 MHz band shall not exceed the general radiated emission limits in §15.209.				
Test Setup	 The EUT and supporting equipment was set up in accordance with the requirements of the standard on top of a 1.5m X 1.0m X 0.8m high, non-metallic table. The filtered power supply for the EUT and supporting equipment were tapped from the appropriate power sockets located on the turntable. The relevant loop antenna was set at the required test distance away from the EUT and supporting equipment boundary. 				
Procedure	For < 30MHz, Radiated emissions were measured according to ANSI C63.4. The EUT was set the highest output power. The EUT was set 3 meter away from the measuring antenna. The loop antenna was positione the ground from the centre of the loop. The measuring bandwidth was set to 10 kHz. The limit is converted from microvolt/meter to decibel microvolt/meter.				
Remark	-				
Result	⊠ Pass ☐ Fail				

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□ N/A

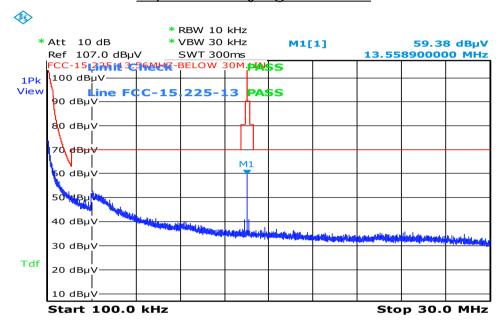




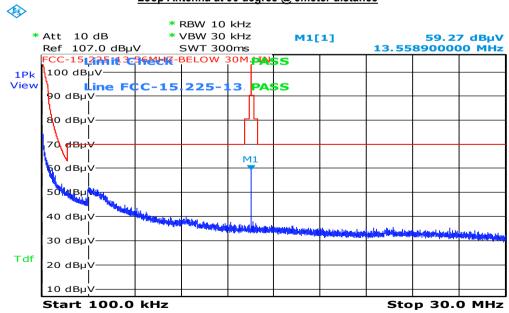
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Test specification:	Radiated Spurious Emissions			
Environmental Conditions:	Temp(°C):	21		
	Humidity (%):	35		⊠ Pass
	Atmospheric(mbar):	1021	Deculty	△ Pass
Mains Power:	5VDC		Result:	
Tested by:	Angel Escamilla	Angel Escamilla		☐ Fail
Test Date:	2/5/2014			
Remarks:	100kHz – 30 MHz			

Loop Antenna at 0 degree @ 3meter distance



Loop Antenna at 90 degree @ 3meter distance



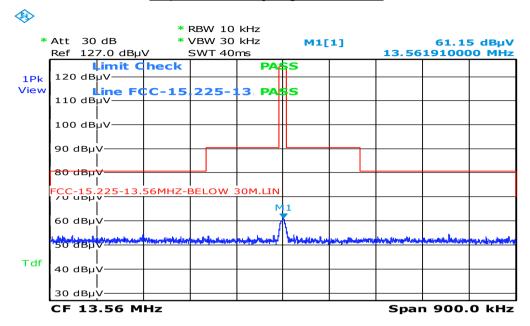
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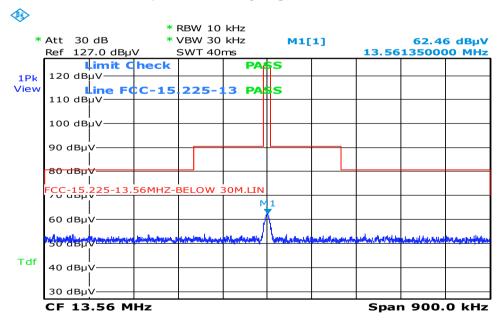
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Loop Antenna at 0 degree @ 3meter distance



Frequency(MHz)	Amplitude(dBuV/m)
13.562	61.15

Loop Antenna at 90 degree @ 3meter distance



Frequency(MHz)	Amplitude(dBuV/m)
13.561	62.46

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10.4 Frequency Stability

Requirement(s):

Spec	Requirement	Applicable
47 CFR §15.225 e) RSS-210 (A2.6)	Limit: ±0.01% of 13.56 MHz = 1356 Hz	\boxtimes
Test Setup	The EUT was set up inside an environmental chamber. The EUT was placed in the centre of the environmental.	
Procedure	Frequency Stability was measured according to 47 CFR §2.1055. Measurement was taken analyzer. The spectrum analyzer bandwidth and span was set to read in hertz. A voltmeter wonitor when varying the voltage.	
Remark		
Result	⊠ Pass □ Fail	

Test Data		(See below)	□ N/A
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Test Plot ⊠ Yes (See below) \boxtimes N/A





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Test specification:	Frequency Stability			
	Temp(°C):	22		
Environmental Conditions:	Humidity (%):	35		∇ D
	Atmospheric(mbar):	1022	Deculty	⊠ Pass
Mains Power:	5VDC		Result:	□ □ □
Tested by:	Angel Escamilla			☐ Fail
Test Date:	2/10/2014			
Remarks:	-		·	

Test Result

Frequency Stability versus Temperature: The Frequency tolerance of the carrier signal shall be maintained within ± 0.01% of the operating frequency over a temperature variation of -20°C to +50°C at normal supply voltage.

Reference Frequency: 13.560250 MHz at 20°C

Temperature (°C)	Measured Freq. (MHz)	Freq. Drift (Hz)	Freq. Deviation (Limit: 0.01%)	Pass/Fail
50	13.560320	70	<0.01	Pass
40	13.560211	39	<0.01	Pass
30	13.560245	5	<0.01	Pass
20	Reference (13.560250 MHz)			
10	13.560261	11	<0.01	Pass
0	13.560294	44	<0.01	Pass
-10	13.560332	82	<0.01	Pass
-20	13.560400	150	<0.01	Pass

Frequency Stability versus Input Voltage: The Frequency tolerance of the carrier signal shall be maintained within ± 0.01%, the frequency of the transmitter was measured at 85% and at 115% of the rated power supply voltage at a 20°C environmental temperature.

Carrier Frequency: 13.559734 MHz at 20°C at 5VDC

Measured Voltage ±15% of nominal (DC)	Measured Freq. (MHz)	Freq. Drift (Hz)	Freq. Deviation (Limit: 0.01%)	Pass/Fail
5.75	13.560238	12	<0.01	Pass
4.25	13.560258	8	<0.01	Pass



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10.5 Occupied bandwidth

Requirement(s):

Spec	Requirement	Applicable
RSS-Gen 4.6.1	The transmitter shall be operated at its maximum carrier power measured under normal test conditions. The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts. The resolution bandwidth shall be set to as close to 1% of the selected span as is possible without being below 1%. The video bandwidth shall be set to 3 times the resolution bandwidth. Video averaging is not permitted. Where practical, a sampling detector shall be used given that a peak or peak hold may produce a wider bandwidth than actual. The trace data points are recovered and directly summed in linear terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached and that frequency recorded. The process is repeated for the highest frequency data points. This frequency is recorded. The span between the two recorded frequencies is the occupied bandwidth.	\boxtimes
Test Setup	 The EUT was set up inside a semi-anechoic chamber in accordance with the standard The EUT was placed on top of a 0.8m high, non-metallic table in a typical configuration 	
Procedure	The EUT was switched on and allowed to warm up to its normal operating condition. To measure conducted, an SMA cable was used to replace the EUT antenna. To mean external antenna was used to detect EUT transmission signal. Measurement of the 99% Occupied Bandwidth of EUT transmission signal and make	
Remark	-	
Result	⊠ Pass □ Fail	

Test Data	□ N/A	
Test Plot	□ N/A	



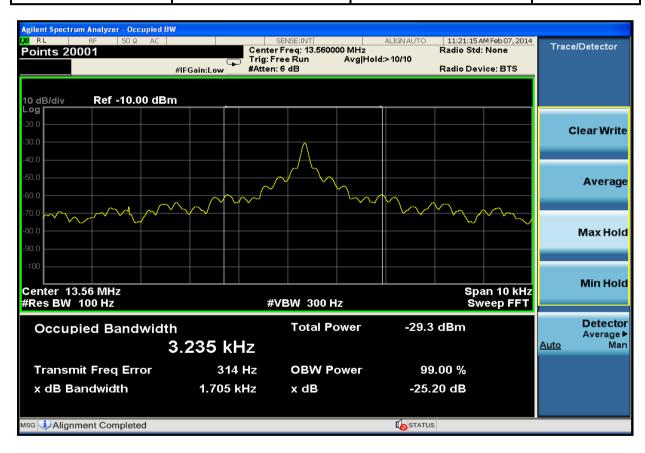


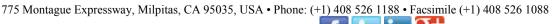
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Test specification:	Frequency Stability			
	Temp(°C):	20		
Environmental Conditions:	Humidity (%):	36		⊠ Dese
	Atmospheric(mbar): 1021		Dogultu	⊠ Pass
Mains Power:	5VDC		Result:	□ Fa:I
Tested by:	Angel Escamilla	Angel Escamilla		☐ Fail
Test Date:	2/07/2014	2/07/2014		
Remarks:	-			

Test Results:

Radio	Channel Frequency (MHz)	99% Occupied BW (kHz)	Limit (MHz)
13.56MHz	13.56	3.235	N/A







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Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Cycle	Cal Due	In use
Conducted Emissions						
R & S Receiver	ESIB 40	100179	04/20/2013	1 Year	04/20/2014	
R&S LISN	ESH2-Z5	861741/013	05/18/2013	1 Year	05/18/2014	
CHASE LISN	MN2050B	1018	07/24/2013	1 Year	07/24/2014	
Sekonic Hygro Hermograph	ST-50	HE01-000092	05/25/2013	1 Year	05/25/2014	
Radiated Emissions						
R & S Receiver	ESL6	100178	03/01/2013	1 Year	03/01/2014	>
R & S Receiver	ESIB 40	100179	04/20/2013	1 Year	04/20/2014	
Passive Loop Antenna (10k-30MHz)	6512	49120	5/22/2013	1 Year	5/22/2014	>
Bi-Log antenna (30MHz~2GHz)	JB1	A030702	03/07/2013	1 Year	03/07/2014	>
Horn Antenna (1-26.5GHz)	3115	10SL0059	04/26/2013	1 Year	04/26/2014	
Microwave Preamplifier (18-40 GHz)	PA-840	181251	05/30/2013	1 Year	05/30/2014	
3 Meters SAC	3M	N/A	10/13/2013	1 Year	10/13/2014	
10 Meters SAC	10M	N/A	06/05/2013	1 Year	06/05/2014	>
Sekonic Hygro Hermograph	ST-50	HE01-000092	05/25/2013	1 Year	05/25/2014	>
Spectrum Analyzer	N9010A	MY50210206	05/30/2013	1 Year	05/30/2014	>
Frequency tolerance			•			
Spectrum Analyzer	8564E	3738A00962	5/20/2013	1 Year	05/20/2014	V
Test Equity Environment Chamber	1007H	61201	07/05/2013	1 Year	07/05/2014	>





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Annex B. USER MANUAL, BLOCK & CIRCUIT DIAGRAM

Please see attachment

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Annex C. SIEMIC Accreditation

Accreditations	Document	Scope / Remark		
ISO 17025 (A2LA)	7	Please see the documents for the detailed scope		
ISO Guide 65 (A2LA)	₹	Please see the documents for the detailed scope		
TCB Designation		A1, A2, A3, A4, B1, B2, B3, B4, C		
FCC DoC Accreditation	7	FCC Declaration of Conformity Accreditation		
FCC Site Registration	Z	3 meter site		
FCC Site Registration	Z	10 meter site		
IC Site Registration	7	3 meter site		
IC Site Registration	7	10 meter site		
	1	Radio & Telecommunications Terminal Equipment: EN45001 – EN ISO/IEC 17025		
EU NB		Electromagnetic Compatibility: EN45001 – EN ISO/IEC 17025		
Singapore iDA CB(Certification Body)	12	Phase I, Phase II		
Vietnam MIC CAB Accreditation	ā	Please see the document for the detailed scope		
		(Phase II) OFCA Foreign Certification Body for Radio and Telecom		
Hong Kong OFCA	7	(Phase I) Conformity Assessment Body for Radio and Telecom		
		Radio: Scope A – All Radio Standard Specification in Category I		
Industry Canada CAB		Telecom: CS-03 Part I, II, V, VI, VII, VIII		





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1	Г	1
Japan Recognized Certification Body Designation	1212	Radio: A1. Terminal equipment for purpose of calling Telecom: B1. Specified radio equipment specified in Article 38-2, Paragraph 1, Item 1 of the Radio Law
	1	EMI: KCC Notice 2008-39, RRL Notice 2008-3: CA Procedures for EMI KN22: Test Method for EMI EMS: KCC Notice 2008-38, RRL Notice 2008-4: CA Procedures for EMS KN24, KN61000-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11: Test Method for EMS
Korea CAB Accreditation		Radio: RRL Notice 2008-26, RRL Notice 2008-2, RRL Notice 2008-10, RRL Notice 2007-49, RRL Notice 2007-20, RRL Notice 2007-21, RRL Notice 2007-80, RRL Notice 2004-68
		Telecom: President Notice 20664, RRL Notice 2007-30, RRL Notice 2008-7 with attachments 1, 3, 5, 6; President Notice 20664, RRL Notice 2008-7 with attachment 4
Taiwan NCC CAB Recognition		LP0002, PSTN01, ADSL01, ID0002, IS6100, CNS14336, PLMN07, PLMN01, PLMN08
Taiwan BSMI CAB Recognition	7	CNS 13438
Japan VCCI	₺	R-3083: Radiation 3 meter site C-3421: Main Ports Conducted Interference Measurement T-1597: Telecommunication Ports Conducted Interference Measurements
		EMC: AS/NZS CISPR 11, AS/NZS CISPR 14.1, AS/NZS CISPR22, AS/NZS 61000.6.3, AS/NZS 61000.6.4
Australia CAB Recognition		Radio communications: AS/NZS 4281, AS/NZS 4268, AS/NZS 4280.1, AS/NZS 4280.2, AS/NZS 4295, AS/NZS 4582, AS/NZS 4583, AS/NZS 4769.1, AS/NZS 4769.2, AS/NZS 4770, AS/NZS 4771
		Telecommunications: AS/ACIF S002:05, AS/ACIF S003:06, AS/ACIF S004:06 AS/ACIF S006:01, AS/ACIF S016:01, AS/ACIF S031:01, AS/ACIF S038:01, AS/ACIF S040:01, AS/ACIF S041:05, AS/ACIF S043.2:06, AS/ACIF S60950.1
Australia NATA Recognition	Ā	AS/ACIF S002, AS/ACIF S003, AS/ACIF S004, AS/ACIF S006, AS/ACIF S016, AS/ACIF S031, AS/ACIF S038, AS/ACIF S040, AS/ACIF S041, AS/ACIF S043.2

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