RF TEST REPORT

SIEMIC
A Bureau Veritas Group Company

Report No.: FCC_IC_RF_SL18022601-SEV-001
Supersede Report No.:

Applicant	:	Rhythmedix, LLC
Product Name	:	RhythmStar
Model No.	:	RS-10002V
Test Standard	:	FCC Part 27 RSS GEN Issue 5,April 2018 RSS-139 Issue 3: July 2015 RSS-130 Issue 1: October 2013
Test Method	:	FCC Part 27 ANSI C63.10 2013 RSS Gen Issue 5,April 2018
FCC ID	:	2ACA9-10002V
IC ID	:	11948A-10002V
Dates of test	:	09/28/2018 – 10/01/2018
Issue Date	:	10/03/2018
Test Result	:	☒ Pass ☐ Fail
Equipment complied with the specification		**[X]**
Equipment did not comply with the specification		**[ ]**

This Test Report is Issued Under the Authority of:	
Deon	Chen
Deon Dai	**Chen Ge**
RF 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
775 Montague Expressway, Milpitas, CA 95035

ilac-MRA
A2LA ACCREDITED
TESTING CERT # 2742-01

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.

In addition to testing and certification, SIEMIC provides initial design reviews and compliance management throughout a project. Our extensive experience with China, Asia Pacific, North America, European, and International compliance requirements, assures the fastest, most cost effective way to attain regulatory compliance for the global markets.

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	EMC, RF/Wireless, Telecom, Safety
Europe	A2LA, NIST	EMC, RF, Telecom, Safety
Israel	MOC, 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 & RED Directive
Japan	MIC (RCB 208)	RF, Telecom
Hong Kong	OFTA (US002)	RF, Telecom

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1 Report Revision History

Report No.	Report Version	Description	Issue Date
FCC_IC_RF_SL18022601-SEV-001	None	Original	10/03/2018

2 Executive Summary

The purpose of this test program was to demonstrate compliance of following product

Company: Rhythmedix, LLC
Product: RhythmStar
Model: RS-10002V

against the current Stipulated Standards. The specified model product stated above has demonstrated compliance with the Stipulated Standard listed on 1st page.

3 Customer information

Applicant Name	:	Rhythmedix, LLC
Applicant Address	:	5000 Atrium Way, Ste. 1, Mt. Laurel, NJ 08054, USA
Manufacturer Name	:	Rhythmedix, LLC
Manufacturer Address	:	5000 Atrium Way, Ste. 1, Mt. Laurel, NJ 08054, USA

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
-	-	-	-
-	-	-	-

6 EUT Information

6.1 EUT Description

Product Name:	RhythmStar
Trade Name:	RhythmStar
Model No:	RS-10002V
Serial No.:	N/A
Input Power:	DC3.7
Software version:	2.0.0.0
Date of EUT received:	08/20/2018
Highest frequency generated or used in the device or on which the device operates or tunes:	LTE Band 4, Band 13
Port/Connectors:	N/A

6.2 Radio Description

Specifications for Radio:

Item	Description	
Operating Band /Radio Type	LTE band 4	LTE band 13
Modulation	QPSK/16QAM/64QAM	QPSK/16QAM/64QAM
Antenna Type	Integrated	Integrated
Antenna Gain	3.2 dBi	1 dBi
Frequency TX(MHz)	1710-1755MHz	777-787MHz

EUT test modes/configuration Description

Mode	Note
RF test	EUT is set to continuously transmit
Note: None	

7 Supporting Equipment/Software and cabling Description

7.1 Supporting Equipment

Index	Supporting Equipment Description	Model	Serial No	Manu	Note
1	-	-	-	-	-

7.2 Cabling Description

Name	Connection Start		Connection Stop		Length / shielding Info		Note
	From	I/O Port	To	I/O Port	Length (m)	Shielding	
-	-	-	-	-	-	-	-

7.3 Test Software Description

Test Item	Software	Description
RF Testing	-	Set the EUT to transmit continuously
-	-	-

8 Test Summary

Test Item	Test standard		Test Method/Procedure		Pass / Fail
Output Power	FCC	47CFR27.50	FCC	TIA-603-E: 2016	☒ Pass
	IC	RSS-130, RSS-139	IC	RSS Gen Issue 5, April 2018	☐ N/A
Radiated Spurious Emission	FCC	FCC Part 27	FCC	TIA-603-E: 2016	☒ Pass
	IC	RSS-130, RSS-139	IC	RSS Gen Issue 5, April 2018	☐ N/A
Remark	1. All measurement uncertainties are not taken into consideration for all presented test result. 2. 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. 3. Only Output power and Radiated Spurious Emission has been tested for this report.				

9 Measurement Uncertainty

Emissions			
Test Item	**Frequency Range**	**Description**	**Uncertainty**
AC Conducted Emissions	150KHz – 30MHz	Confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2	±3.5dB
RF conducted measurement	150KHz – 40GHz	Confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2	±0.95dB
Radiated Spurious Emissions	30MHz – 1GHz	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 X 0.5m)	±6dB
Radiated Spurious Emissions	1GHz – 40GHz	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 X 0.5m)	±6dB

10 Measurements, examination and derived results

10.1 Output Power Measurement Results

Requirement(s):

Spec	Item	Requirement	Applicable
47CFR27.50	-	The maximum effective radiated power (ERP) of fixed and base station must not exceed 1000 Watts.	☒
RSS-130	4.4	The e.i.r.p. shall not exceed 50 watts for mobile equipment or for outdoor fixed subscriber equipment, nor shall it exceed 5 watts for portable equipment or for indoor fixed subscriber equipment.	☒
RSS139	6.5	The equivalent isotropically radiated power (e.i.r.p.) for mobile and portable transmitters shall not exceed one watt. The e.i.r.p. for fixed and base stations in the band 1710-1780 MHz shall not exceed one watt.	☒

Test Setup				
Test Procedure	Measurement using an Average Power Meter (PM) Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required. - Connect EUT's RF output power to power meter - Set EUT to be continuous transmission mode - Measurement the average output power using power meter and record the result Repeat above steps for different test channel and other modulation type.			
Test Date	08/20/2018	Environmental condition	Temperature Relative Humidity Atmospheric Pressure	22°C 48% 1012mbar
Remark	-			
Result	☒ Pass ☐ Fail			

Test Data ☒ Yes ☐ N/A

Test Plot ☐ Yes ☒ N/A

Output Power measurement result

Band 4 5MHz:

Mode	Frequency (MHz)	Measured Power (dBm)	Declared (dBm)	Tune-up Low (dBm)	Tune-up High (dBm)
Low	1712.5	20.85	21	20	22
Mid	1732.5	21.62	21	20	22
High	1752.5	21.67	21	20	22

Band 4 10MHz:

Mode	Frequency (MHz)	Measured Power (dBm)	Declared (dBm)	Tune-up Low (dBm)	Tune-up High (dBm)
Low	1715	21.82	21	20	22
Mid	1732.5	21.75	21	20	22
High	1750	21.85	21	20	22

Band 13 5MHz:

Mode	Frequency (MHz)	Measured Power (dBm)	Declared (dBm)	Tune-up Low (dBm)	Tune-up High (dBm)
Low	779.5	21.68	22	21	23
Mid	782	21.68	22	21	23
High	784.5	22.18	22	21	23

Band 13 10MHz:

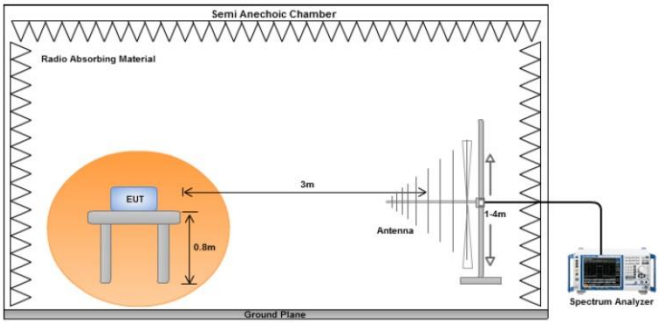
Mode	Frequency (MHz)	Measured Power (dBm)	Declared (dBm)	Tune-up Low (dBm)	Tune-up High (dBm)
Mid	782	22.24	22	21	23

10.2 Radiated Measurements

10.2.1 Radiated Measurements 30MHz to 1GHz

Requirement(s):

Spec	Requirement	Applicable
47CFR27.53 RSS 130 RSS 139	Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.	☒

Test Setup			
Procedure	Substitution method: 1. The EUT was switched on and allowed to warm up to its normal operating condition. 2. The test was carried out at the selected frequency points obtained from the EUT characterisation. Maximization of the emissions, was carried out by rotating the EUT, changing the antenna polarization, and adjusting the antenna height in the following manner: a. Vertical or horizontal polarisation (whichever gave the higher emission level over a full rotation of the EUT) was chosen. b. The EUT was then rotated to the direction that gave the maximum emission. c. Finally, the antenna height was adjusted to the height that gave the maximum emission. 3. Remove the transmitter and replace it with a substitution antenna (the antenna should be half-wavelength for each frequency involved). The center of the substitution antenna should be approximately at the same location as the center of the transmitter. 4. Feed the substitution antenna at the transmitter end with a signal generator connected to the antenna by means of a nonradiating cable. With the antennas at both ends horizontally polarized, and with the signal generator tuned to a particular spurious frequency, raise and lower the test antenna to obtain a maximum reading at the spectrum analyzer. Adjust the level of the signal generator output until the previously recorded maximum reading for this set of conditions is obtained. 5. Steps 4 were repeated for the next frequency point, until all selected frequency points were measured.		
Test Date	09/27/2018 – 10/01/2018	Environmental conditions	Temperature 20.1°C Relative Humidity 36% Atmospheric Pressure 1026mbar
Remark	The EUT was scanned up to 25GHz. Both horizontal and vertical polarities were investigated. The results show only the worst case. Limit calculation: Emission limit = PdBm – [43+ 10 log (PW)] = 10log(1000 x PW) - 43 - 10log(PW) = 30 dBm - 43 = -13 dBm All different modulation and bandwidth configuration has been verified and only the test data of worst case with QPSK modulation and greatest bandwidth was presented in this report.		
Result	☒ Pass ☐ Fail		

Test Data ☒ Yes (See below) ☐ N/A

Test Plot ☒ Yes (See below) ☐ N/A

Test was done by Deon Dai at 10-meter chamber.

Radiated Emission Test Results for LTE band 4

Test specification:	Radiated Emissions			
Mains Power:	3.7Vdc		Result:	☒ Pass ☐ Fail
Tested by:	Deon Dai			
Test Date:	09/27/2018			
Remarks:	LTE band4-Mid CH-5MHz BW, QPSK			

Indicated			Test Antenna		Substituted						
Frequency (MHz)	Raw (dBm)	Degree	Height (cm)	Polarity	Frequency (MHz)	Level (dBm)	Ant Gain (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
336.1	-42.32	121	155	V	336.1	-37.54	0	0.51	-38.05	-13	-25.05
336.1	-45.69	154	146	H	336.1	-40.2	0	0.51	-40.71	-13	-27.71
615.35	-44.28	269	152	V	615.35	-39.43	0	0.75	-40.18	-13	-27.18
615.35	-46.15	359	160	H	615.35	-42.33	0	0.75	-43.08	-13	-30.08

Note: Dipole antenna was used for substitution method.

Radiated Emission Test Results for LTE band 13

Test specification:	Radiated Emissions			
Mains Power:	3.7Vdc		Result:	☒ Pass ☐ Fail
Tested by:	Deon Dai			
Test Date:	09/27/2018			
Remarks:	LTE band13-Mid CH-5MHz BW, QPSK			

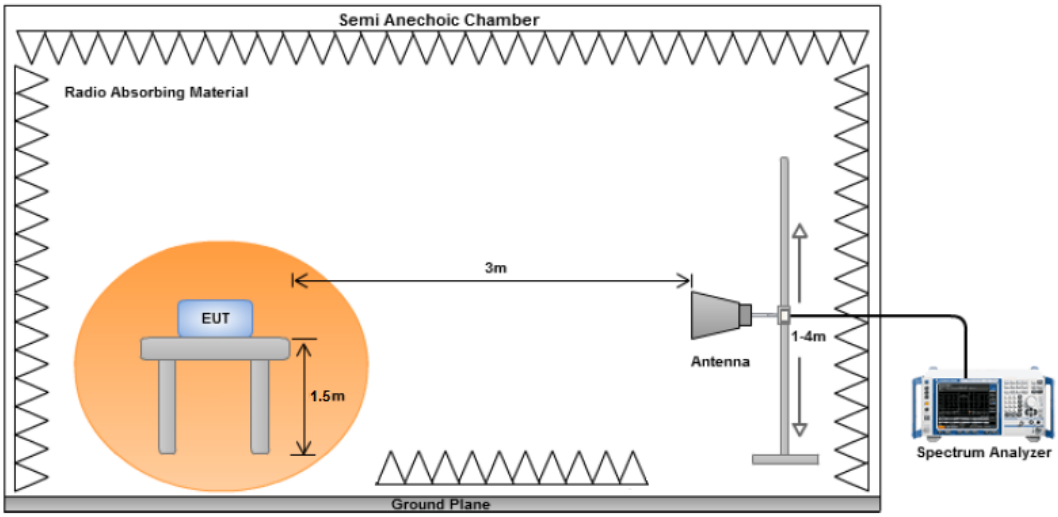
Indicated			Test Antenna		Substituted						
Frequency (MHz)	Raw (dBm)	Degree	Height (cm)	Polarity	Frequency (MHz)	Level (dBm)	Ant Gain (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
329.24	-41.25	146	159	V	329.24	-35.65	0	0.52	-36.17	-13	-23.17
329.24	-40.91	199	198	H	329.24	-38.1	0	0.52	-38.62	-13	-25.62
655.15	-45.93	244	159	V	655.15	-40.29	0	0.77	-41.06	-13	-28.06
655.15	-48.91	189	169	H	655.15	-43.29	0	0.77	-44.06	-13	-31.06

Note: Dipole antenna was used for substitution method.

10.2.2 Radiated Spurious Emissions between 1GHz-25GHz

Requirement(s):

Spec	Item	Requirement	Applicable
47CFR27.53 RSS 130 RSS 139	-	Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.	☒

Test Setup	
Procedure	Substitution method: 1. The EUT was switched on and allowed to warm up to its normal operating condition. 2. The test was carried out at the selected frequency points obtained from the EUT characterisation. Maximization of the emissions, was carried out by rotating the EUT, changing the antenna polarization, and adjusting the antenna height in the following manner: a. Vertical or horizontal polarisation (whichever gave the higher emission level over a full rotation of the EUT) was chosen. b. The EUT was then rotated to the direction that gave the maximum emission. c. Finally, the antenna height was adjusted to the height that gave the maximum emission. 3. Remove the transmitter and replace it with a substitution antenna (the antenna should be half-wavelength for each frequency involved). The center of the substitution antenna should be approximately at the same location as the center of the transmitter. 4. Feed the substitution antenna at the transmitter end with a signal generator connected to the antenna by means of a nonradiating cable. With the antennas at both ends horizontally polarized, and with the signal generator tuned to a particular spurious frequency, raise and lower the test antenna to obtain a maximum reading at the spectrum analyzer. Adjust the level of the signal generator output until the previously recorded maximum reading for this set of conditions is obtained. 5. Steps 4 were repeated for the next frequency point, until all selected frequency points were measured.
Remark	The EUT was scanned up to 25GHz. Both horizontal and vertical polarities were investigated. The results show only the worst case. Limit calculation: Emission limit = PdBm – [43+ 10 log (PW)] = 10log(1000 x PW) - 43 - 10log(PW) = 30 dBm - 43 = -13 dBm All different modulation and bandwidth configuration has been verified and only the test data of worst case with QPSK modulation and greatest bandwidth was presented in this report.
Result	☒ Pass

Test Data ☒ Yes (See below) ☐ N/A

Test Plot ☐ Yes (See below) ☒ N/A

Test was done by Deon Dai at 10-meter chamber.

Test specification:	Radiated Emissions			
Mains Power:	120VAC, 60Hz		Result:	☒ Pass ☐ Fail
Tested by:	Deon Dai			
Test Date:	09/27/2018-10/01/2018			
Remarks:				

LTE Band 4 Low Channel, 10MHz BW, QPSK

Indicated			Test Antenna		Substituted						
Frequency (MHz)	Raw (dBm)	Degree	Height (cm)	Polarity	Frequency (MHz)	Level (dBm)	Ant Gain (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
3440	-52.14	146	150	V	3440	-47.25	9.43	2.39	-40.21	-13	-27.21
3440	-49.24	159	156	H	3440	-42.36	9.43	2.39	-35.32	-13	-22.32
5160	-54.25	259	150	V	5160	-49.67	10.81	3.19	-42.05	-13	-29.05
5160	-48.21	164	154	H	5160	-41.99	10.81	3.19	-34.37	-13	-21.37

LTE Band 4 Mid Channel, 10MHz BW, QPSK

Indicated			Test Antenna		Substituted						
Frequency (MHz)	Raw (dBm)	Degree	Height (cm)	Polarity	Frequency (MHz)	Level (dBm)	Ant Gain (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
3465	-46.54	355	149	V	3465	-39.48	9.7	2.61	-32.39	-13	-19.39
3465	-50.25	149	152	H	3465	-46.58	9.7	2.61	-39.49	-13	-26.49
5198	-46.88	264	159	V	5198	-42.14	10.81	3.19	-34.52	-13	-21.52
5198	-53.93	169	160	H	5198	-49.54	10.81	3.19	-41.92	-13	-28.92

LTE Band 4 High Channel, 10MHz BW, QPSK

Indicated			Test Antenna		Substituted						
Frequency (MHz)	Raw (dBm)	Degree	Height (cm)	Polarity	Frequency (MHz)	Level (dBm)	Ant Gain (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
3490	-47.98	259	149	V	3490	-43.21	9.7	2.61	-36.12	-13	-23.12
3490	-50.5	231	150	H	3490	-46.81	9.7	2.61	-39.72	-13	-26.72
5235	-49.54	241	165	V	5235	-44.58	10.81	3.19	-36.96	-13	-23.96
5235	-51.59	2	154	H	5235	-47.59	10.81	3.19	-39.97	-13	-26.97

LTE Band 13 Low Channel, 5MHz BW, QPSK

Indicated			Test Antenna		Substituted						
Frequency (MHz)	Raw (dBm)	Degree	Height (cm)	Polarity	Frequency (MHz)	Level (dBm)	Ant Gain (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
1558	-49.54	146	155	V	1558	-44.25	8.13	1.18	-37.3	-13	-24.3
1558	-51.23	166	149	H	1558	-46.21	8.13	1.18	-39.26	-13	-26.26
2337	-54.56	243	156	V	2337	-49.54	8.94	1.82	-42.42	-13	-29.42
2337	-56.11	166	153	H	2337	-50.44	8.94	1.82	-43.32	-13	-30.32

LTE Band 13 Mid Channel, 5MHz BW, QPSK

Indicated			Test Antenna		Substituted						
Frequency (MHz)	Raw (dBm)	Degree	Height (cm)	Polarity	Frequency (MHz)	Level (dBm)	Ant Gain (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
1564	-49.58	149	145	V	1564	-45.25	8.13	1.18	-38.3	-13	-25.3
1564	-47.54	244	165	H	1564	-43.54	8.13	1.18	-36.59	-13	-23.59
2346	-51.26	154	144	V	2346	-47.65	8.94	1.82	-40.53	-13	-27.53
2346	-52.19	211	149	H	2346	-46.99	8.94	1.82	-39.87	-13	-26.87

LTE Band 13 High Channel, 5MHz BW, QPSK

Indicated			Test Antenna		Substituted						
Frequency (MHz)	Raw (dBm)	Degree	Height (cm)	Polarity	Frequency (MHz)	Level (dBm)	Ant Gain (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
1569	-47.8	246	154	V	1569	-43.14	8.13	1.18	-36.19	-13	-23.19
1569	-51.21	16	155	H	1569	-44.9	8.13	1.18	-37.95	-13	-24.95
2354	-54.29	184	159	V	2354	-49.49	8.94	1.82	-42.37	-13	-29.37
2354	-46.83	243	166	H	2354	-41.41	8.94	1.82	-34.29	-13	-21.29

LTE Band 13 10MHz BW, QPSK

Indicated			Test Antenna		Substituted						
Frequency (MHz)	Raw (dBm)	Degree	Height (cm)	Polarity	Frequency (MHz)	Level (dBm)	Ant Gain (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
1564	-51.25	155	149	V	1564	-45.21	8.13	1.18	-38.26	-13	-25.26
1564	-46.81	44	139	H	1564	-41.29	8.13	1.18	-34.34	-13	-21.34
2346	-53.22	149	155	V	2346	-48.21	8.94	1.82	-41.09	-13	-28.09
2346	-49.47	19	150	H	2346	-43.99	8.94	1.82	-36.87	-13	-23.87

Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Cycle	Cal Due	In use
Radiated Emissions						
EMI Test Receiver	ESIB 40	100179	04/21/2018	1 Year	04/21/2019	☑
Bi-Log antenna (30MHz~2GHz)	JB1	A030702	01/13/2018	1 Year	01/13/2019	☑
Horn Antenna (1-18GHz)	3115	10SL0059	11/09/2017	1 Year	11/09/2018	☑
Horn Antenna (18-40 GHz)	AH-840	101013	08/28/2018	1 Year	08/28/2019	☑
Tuned Dipole Antenna Set	AD-100	40133:40149	03/08/2018	1 Year	03/08/2019	☑
Pre-Amplifier	LPA-6-30	11140711	02/08/2018	1 Year	02/10/2019	☑
Pre-Amplifier (1-26.5GHz)	8449B	3008A00715	05/30/2018	1 Year	05/30/2019	☑
10 Meters SAC	10M	N/A	09/05/2018	1 Year	09/05/2019	☑
Agilent Signal Generator	MXG N5182A	MY47071065	04/06/2018	1 Year	04/06/2019	☑

Annex A. SIEMIC Accreditation

Accreditations	Document	Scope / Remark
ISO 17025 (A2LA)		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		FCC Declaration of Conformity Accreditation
FCC Site Registration		3 meter site
FCC Site Registration		10 meter site
IC Site Registration		3 meter site
IC Site Registration		10 meter site
EU NB		**Radio Equipment: EN45011:** EN ISO/IEC 17065
		Electromagnetic Compatibility: EN45011 – EN ISO/IEC 17065
Singapore iDA CB(Certification Body)		Phase I, Phase II
Vietnam MIC CAB Accreditation		Please see the document for the detailed scope
Hong Kong OFCA		**(Phase II)** OFCA Foreign Certification Body for Radio and Telecom
		(Phase I) Conformity Assessment Body for Radio and Telecom
Industry Canada CAB		**Radio:** Scope A – All Radio Standard Specification in Category I
		Telecom: CS-03 Part I, II, V, VI, VII, VIII

Japan Recognized Certification Body Designation		**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
Korea CAB Accreditation		**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
		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		CNS 13438
Japan VCCI		R-3083: Radiation 3 meter site C-3421: Main Ports Conducted Interference Measurement T-1597: Telecommunication Ports Conducted Interference Measurement
Australia CAB Recognition		**EMC:** AS/NZS CISPR 11, AS/NZS CISPR 14.1, AS/NZS CISPR22, AS/NZS 61000.6.3, AS/NZS 61000.6.4
		Radiocommunications: 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		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