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http://www.ltalab.com

Dates of Tests: Jan 25 ~ April 30, 2018 Test Report S/N: LR500111805D Test Site: LTA CO., LTD.

CERTIFICATION OF COMPLIANCE

FCC ID.

2AEXZSHM912

APPLICANT

SEECODE CO.,LTD.

Equipment Class Digital Transmission System (DTS)

Manufacturing Description PTT Headset

SEECODE CO.,LTD. Manufacturer

Model name **SHM912**

Variant Model name BCP912, NBT912, GWS912, BCP910, SHP912

Test Device Serial No.: Identical prototype

Rule Part(s) FCC Part 15.247 Subpart C; ANSI C-63.4-2014

2402 ~ 2480 MHz **Frequency Range**

Max. Output Power Max -10.77 dBm - Conducted

Data of issue **April 04, 2018**

This test report is issued under the authority of:

The test was supervised by:

Yong-Cheol, Wang / Manager

Eun-hwan, Jung / Test Engineer

This test result only responds to the tested sample. It is not allowed to copy this report even partly without the allowance of the test laboratory. The 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.

NVLAP LAB Code.: 200723-0

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1. General information

1-1 Test Performed

Company name : LTA Co., Ltd.

Address : 243, Jubug-ri, Yangji-Myeon, Youngin-Si, Kyunggi-Do, Korea. 17159

Web site : http://www.ltalab.com
E-mail : chahn@ltalab.com
Telephone : +82-31-323-6008
Facsimile +82-31-323-6010

Quality control in the testing laboratory is implemented as per ISO/IEC 17025 which is the "General requirements for the competents of calibration and testing laboratory".

1-2 Accredited agencies

LTA Co., Ltd. is approved to perform EMC testing by the following agencies:

Agency	Country	Accreditation No.	Validity Reference		
NVLAP	U.S.A	200723-0	2018-09-30	ECT accredited Lab.	
RRA	KOREA	KR0049	-	EMC accredited Lab.	
FCC	U.S.A	649054	2019-04-13	FCC CAB	
VCCI	JAPAN	C-4948,	2020-09-10	VCCI registration	
VCCI	JAPAN	T-2416,	2020-09-10	VCCI registration	
VCCI	JAPAN	R-4483(10 m),	2020-10-15	VCCI registration	
VCCI	JAPAN	G-847	2018-12-13	VCCI registration	
IC	CANADA	5799A-1	2019-11-07	IC filing	
KOLAS	KOREA	NO.551	2021-08-20	KOLAS accredited Lab.	
NVLAP	U.S.A	200723-0	2019-03-15	ECT accredited Lab.	

Ref. No.: LR500111805D

2. Information about test item

2-1 Client & Manufacturer

Company name : SEECODE CO.,LTD.

Address : A-1107, 60, Haan-ro, Gwangmyeong-si, Gyeonggi-do, Korea

Tel / Fax : TEL No: +82-70-8855-8300 / FAX No: +82-02-2083-2272

2-2 Equipment Under Test (EUT)

Trade name : PTT Headset

Model name : SHM912

Serial number : Identical prototype

Date of receipt : Jan 25, 2018

EUT condition : Pre-production, not damaged

Antenna type : Chip Antenna (Max Gain : 1.99 dBi)

Frequency Range : 2402 ~ 2480 MHz

RF output power : Max -10.77 dBm – Conducted

Number of channels : 40

Type of Modulation : GFSK

Power Source : 3.7 Vdc

2-3 Tested frequency

	LOW	MID	HIGH
Frequency (MHz)	2402	2442	2480

2-4 Ancillary Equipment

Equipment	Model No.	Serial No.	Manufacturer		
Notebook	CR720	MS-1736	MSI		

3. Test Report

3.1 Summary of tests

FCC Part Section(s)	Parameter	Limit	Test Condition	Status (note 1)
15.247(a)	6 dB Bandwidth	> 500 kHz		С
15.247(b)	Transmitter Peak Output Power	< 1 Watt	Conducted	С
15.247(d)	Transmitter Power Spectral Density	< 8 dBm @ 3 kHz	Conducted	С
15.247(d)	Band Edge	> 20 dBc		С
15.209	Field Strength of Harmonics	Emission	Radiated	С
15.207	AC Conducted Emissions	Emissions	Conducted	N/A
15.203	Antenna requirement	-	-	С
<i>Note 1</i> : C=Complies	NC=Not Complies NT=Not Tested NA	A=Not Applicable	1	

Note 2: This product operates only with battery and does not operate during charging.

The above equipment was tested by LTA Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10-2013 and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 2 and Part 15.247 The test results of this report relate only to the tested sample identified in this report.

→ Antenna Requirement

The **SEECODE CO.,LTD.** FCC ID: **2AEXZSHM912** unit complies with the requirement of §15.203. The antenna type is Chip Antenna.

3.2 Technical Characteristics Test

3.2.1 6 dB Bandwidth

Procedure:

The bandwidth at 6 dB below the highest in-band spectral density was measured with a spectrum analyzer connected to the antenna terminal, while EUT is operating in transmission mode at the appropriate frequencies.

After the trace being stable, Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure 6 dB down one side of the emission. Reset the marker-delta function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is the 6 dB bandwidth of the emission.

The spectrum analyzer is set to:

Center frequency = the highest, middle and the lowest channels

RBW = 100 kHz Span = 5 MHz

 $VBW = 100 \text{ kHz} (VBW \ge RBW)$ Sweep = auto

Trace = max hold Detector function = peak

Measurement Data: Complies

Frequency	Test Results				
(MHz)	Measured Bandwidth (MHz)	Result			
2402	0.854	Complies			
2442	0.818	Complies			
2480	0.803	Complies			

⁻ See next pages for actual measured spectrum plots.

Minimum Standard:

6 dB Bandwidth > 500 kHz

Measurement Setup

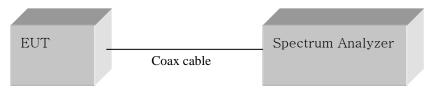
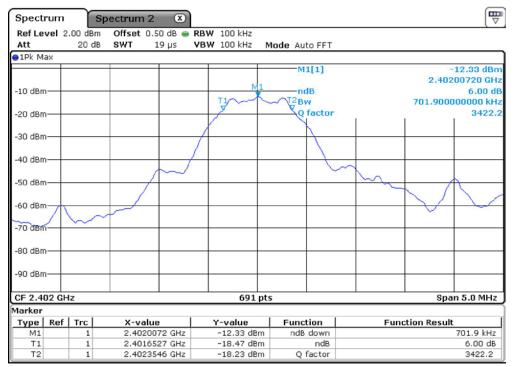
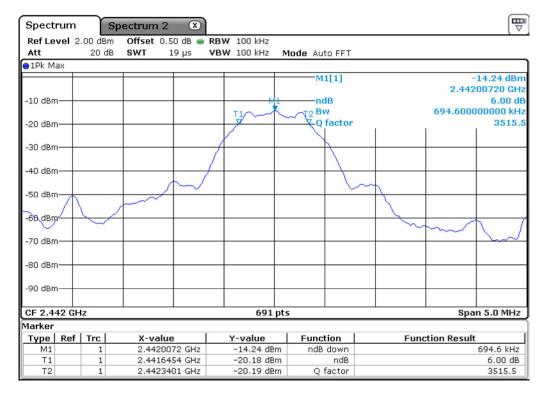


Figure 1: Measurement setup for the carrier frequency separation

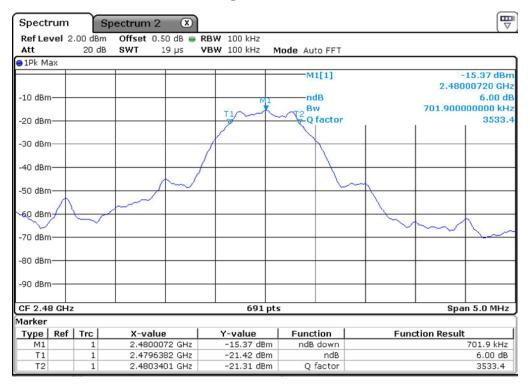
Low Channel



Middle Channel



High Channel



3.2.2 Peak Output Power Measurement

Procedure:

The maximum peak output power was measured with the spectrum analyzer connected to the antenna output of the EUT. The spectrum analyzer's internal channel power integration function is used to integrate the power over a bandwidth greater than or equal to the 99 % bandwidth. The EUT was operating in transmit mode at the appropriate center frequency.

The spectrum analyzer is set to:

Center frequency = the highest, middle and the lowest channels

RBW = 1 MHz Span = auto

 $VBW = 1 MHz (VBW \ge RBW)$ Sweep = auto

Detector function = peak

Measurement Data: Complies

Frequency	Test Results				
(MHz)	dBm mW		Result		
2402	-10.77	0.084	Complies		
2442	-12.68	0.054	Complies		
2480	-13.86	0.041	Complies		

⁻ See next pages for actual measured spectrum plots.

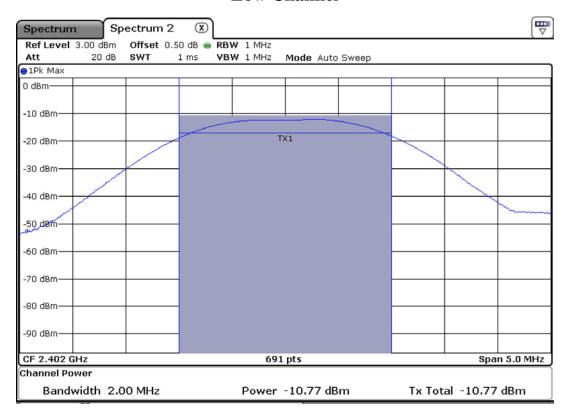
Minimum Standard:

Peak output power	< 1 W

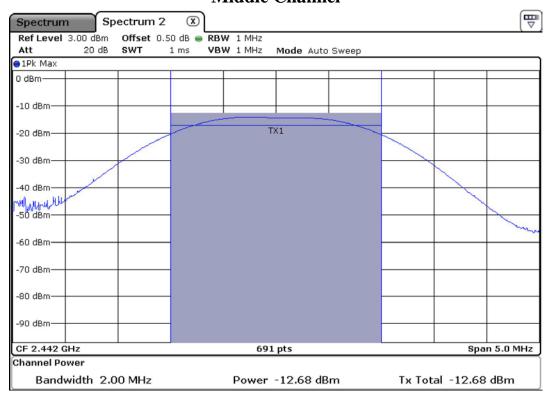
Measurement Setup

Same as the Chapter 3.2.1 (Figure 1)

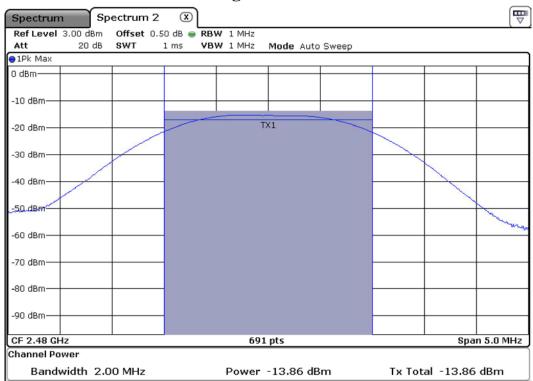
Low Channel



Middle Channel



High Channel



3.2.3 Power Spectral Density

Procedure:

The peak power density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating in transmission mode at the appropriate frequencies.

The spectrum analyzer is set to:

RBW = 3 kHz Span = 300 kHz VBW = 3 kHz Sweep = auto Detector function = peak Trace = max hold

Measurement Data: Complies

Frequency	Test Results				
(MHz)	dBm/ 3 kHz BW	Result			
2402	-28.21	Complies			
2442	-29.84	Complies			
2480	-30.99	Complies			

⁻ See next pages for actual measured spectrum plots.

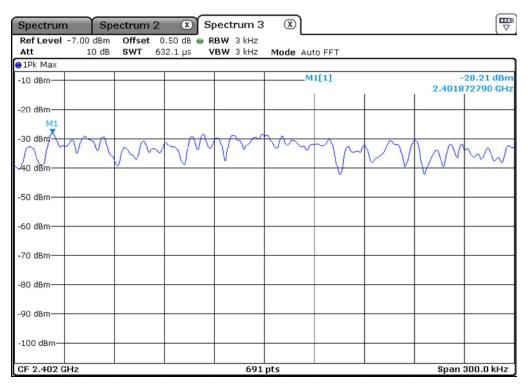
Minimum Standard:

Power Spectral Density	< 8 dBm @ 3 kHz BW
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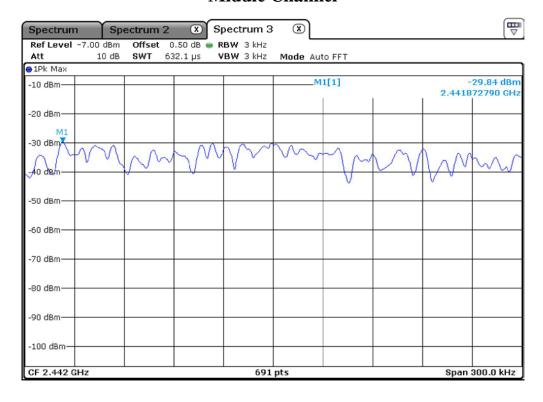
Measurement Setup

Same as the Chapter 3.2.1 (Figure 1)

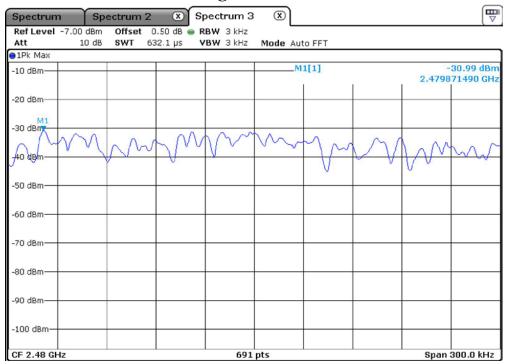
Power Density Measurement Low Channel



Middle Channel



High Channel



3.2.4 Band Edge

Procedure:

The bandwidth at 20 dB down from the highest inband spectral density is measured with a spectrum analyzer connected to the antenna terminal, while EUT is operating in transmission mode at the appropriate frequencies.

After the trace being stable, Use the marker-to-peak function to measure 20 dB down both sides of the intentional emission.

The spectrum analyzer is set to:

Center frequency = the highest, middle and the lowest channels

RBW = 100 kHz VBW = 100 kHz

Span = 40 MHz, 100 MHz Detector function = peak

Trace = \max hold Sweep = auto

Radiated emissions which fall in the restricted bands, as defined in 15.205(a), must also comply with the radiated emission limits specified in 15.209(a)

The spectrum analyzer is set to:

Center frequency = the highest, the lowest channels

PEAK: RBW = VBW = 1 MHz, Sweep=Auto

Average: RBW = 1 MHz, VBW=10 Hz, Sweep=Auto

Measurement Distance: 3 m

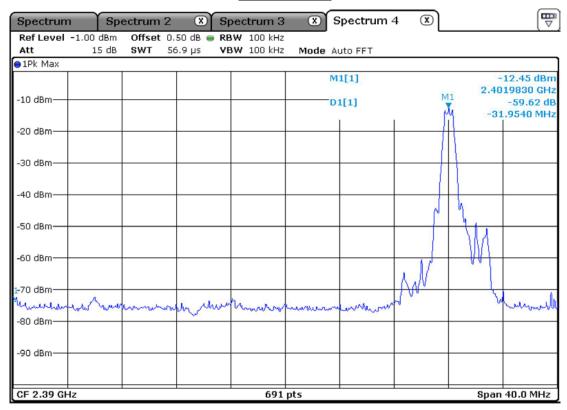
Polarization: Horizontal / Vertical

Measurement Data: Complies

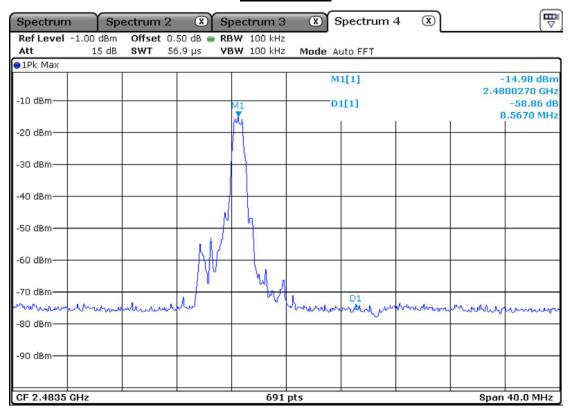
- All conducted emission in any 100 kHz bandwidth outside of the spread spectrum band was at least 20 dB lower than the highest inband spectral density. Therefore the applying equipment meets the require ment.
- See next pages for actual measured spectrum plots.

Minimum Standard:	> 20 dBc
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Lower edge



Upper edge



Radiated Band-edges in the restricted band 2310-2390 MHz measurement

Frequency	Reading [dBuV/m]					Limits [dBuV/m]						Mar [d	gin B]
[MHz]	AV /	/ Peak	Pol.	Antenna	Amp. Gain + Cable Loss	AV / Peak		AV / Peak		Peak AV / Peak			
2324.8	40.95	41.66	Н	28.08	47.82	54.0	74.0	21.21	21.92	32.79	52.08		
2316.4	40.83	41.46	Н	28.09	47.83	54.0	74.0	21.09	21.72	32.91	52.28		
2322.1	42.28	42.50	Н	28.08	47.82	54.0	74.0	22.54	22.76	31.46	51.24		

Radiated Band-edges in the restricted band 2483.5-2500 MHz measurement

Frequency		ding V/m]		Correction Factor		Limits [dBuV/m]		Result [dBuV/m]		Margin [dB]	
[MHz]	AV /	' Peak	Pol.	Antenna	Amp. Gain + Cable Loss	AV / Peak		AV / Peak		AV / Peak	
2485.5	37.76	38.33	Н	27.88	47.73	54.0	74.0	17.91	18.48	36.09	55.52
2485.2	35.92	36.50	Н	27.88	47.73	54.0	74.0	16.07	16.65	37.93	57.35
2486.3	35.73	36.86	Н	27.88	47.73	54.0	74.0	15.88	17.01	38.12	56.99

Note: This EUT was tested in 3 orthogonal positions and the worst-case data was presented

3.2.5 Conducted Spurious Emissions

Procedure:

The test follows KDB558074. The conducted spurious emissions were measured with a spectrum analyzer connected to the antenna terminal, while EUT had its hopping function disabled at the highest, middle and the lowest available channels..

After the trace being stable, set the marker on the peak of any spurious emission recorded.

The spectrum analyzer is set to:

Span = wide enough to capture the peak level of the in-band emission and all spurious emissions

RBW = 100 kHz Sweep = auto

VBW = 100 kHz Detector function = peak

7Trace = max hold

Measurement Data: Complies

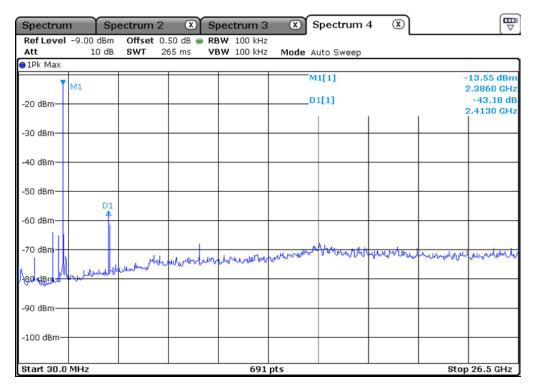
- All conducted emission in any 100 kHz bandwidth outside of the spread spectrum band was at least 20 dB lower than the highest inband spectral density. Therefore the applying equipment meets the require ment.
- See next pages for actual measured spectrum plots.

Minimum Standard:	> 20 dBc
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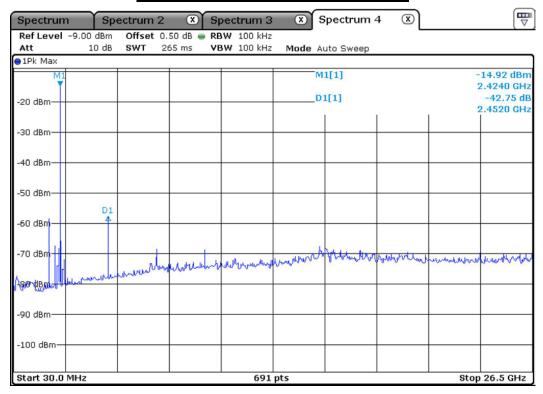
Measurement Setup

Same as the Chapter 3.2.1 (Figure 1)

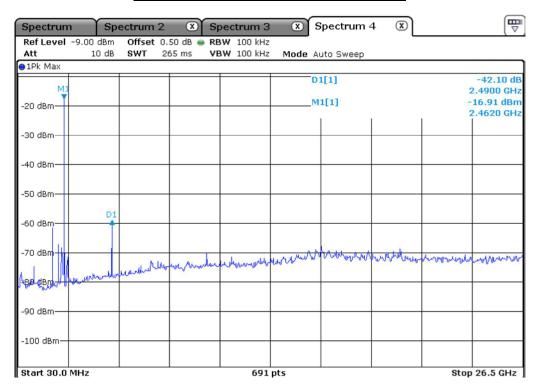
<u>Unwanted Emission – Low Channel</u> <u>Frequency Range = 30 MHz ~ 26.5 GHz</u>



<u>Unwanted Emission – Middle Channel</u> Frequency Range = 30 MHz ~ 26.5 GHz



<u>Unwanted Emission – High Channel</u> <u>Frequency Range = 30 MHz ~ 26.5 GHz</u>



3.2.6 Radiated Spurious Emissions

Procedure:

Radiated emissions from 30 MHz to 25 GHz were measured according to the methods defines in ANSI C63.10-2013.

The EUT is a placed on as turn table. For emissions testing at or below 1 GHz, the table height shall be 0.8 m above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with

polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.

The spectrum analyzer is set to:

Center frequency = the worst channel

Frequency Range = $9 \text{ kHz} \sim 10^{\text{th}} \text{ harmonic.}$

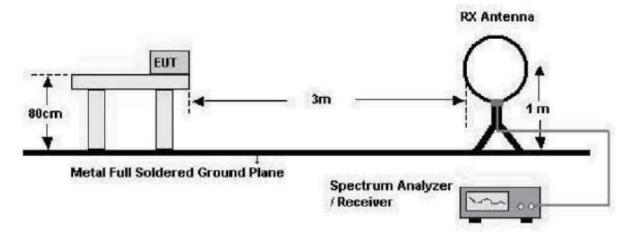
 $RBW = 100 \text{ kHz} (30 \text{ MHz} \sim 1 \text{ GHz})$ $VBW \geq RBW$

= 1 MHz $(1 \text{ GHz} \sim 10^{\text{th}} \text{ harmonic})$

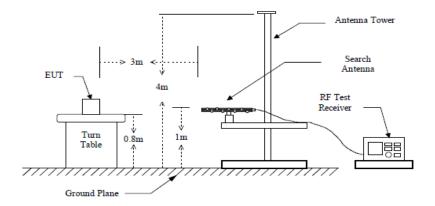
Span = 100 MHz Detector function = peak

Trace = \max hold Sweep = auto

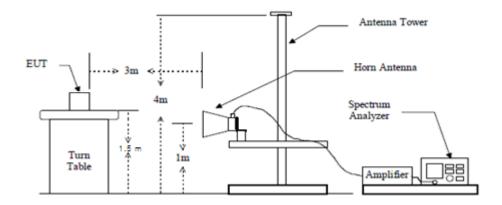
below 30 MHz



below 1 GHz (30 MHz to 1 GHz)



above 1 GHz



Measurement Data: Complies

- See next pages for actual measured data.
- No other emissions were detected at a level greater than 20 dB below limit include from 9 kHz to 30MHz.

Minimum Standard: FCC Part 15.209(a)

Frequency (MHz)	Limit (uV/m) @ 3 m
0.009 ~ 0.490	2400/F(kHz) (@ 300 m)
0.490 ~ 1.705	24000/F(kHz) (@ 30 m)
1.705 ~ 30	30(@ 30 m)
30 ~ 88	100 **
88 ~ 216	150 **
216 ~ 960	200 **
Above 960	500

^{**} Except as provided in 15.209(g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g. 15.231 and 15.241.

Measurement Data: (Above 1 GHz)

Frequency		ding V/m]	Pol.	Correction Factor		Limits [dBuV/m]		Result [dBuV/m]		Margin [dB]		
[MHz]	AV /	Peak		Antenna	Antenna Amp.Gain+Cable		AV/Peak		AV/Peak		AV / Peak	
9123.7	22.3	33.8	Н	37.43	11.95	54.0	74.0	47.78	59.28	6.22	14.72	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	1	-	

⁻ No other emissions were detected at a level greater than 20 dB below limit.

Measurement Data: (9 kHz - 30 MHz)

Fraguanay	Reading		Correction		Limits	Result	Margin
Frequency	[dBuV/m]	Pol.	Factor		Factor [dBuV/m] [dBuV/n		[dB]
[MHz]	AV / Peak		Antenna	Amp.Gain+Cable	AV / Peak	AV / Peak	AV / Peak
-		-	-	-			
	No emissions were detected at a level greater than 20 dB below limit.						
-		-	-	-			
-		-	-	-			

^{*}No emissions were detected at a level greater than 20 dB below limit.

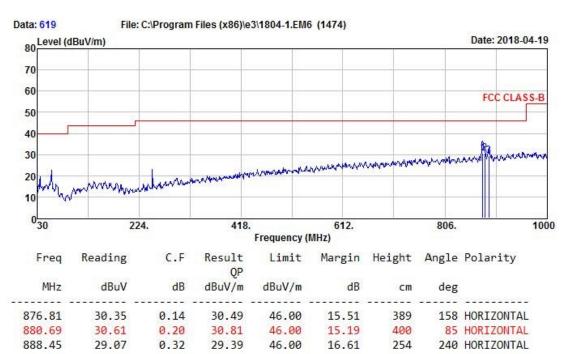
Radiated Emissions - (Below 1 GHz)



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EUT/Model No.: SHM912 Temp/Humi: 20 / 41

Test Mode : BT BLE_L Tested by: JUNG E H



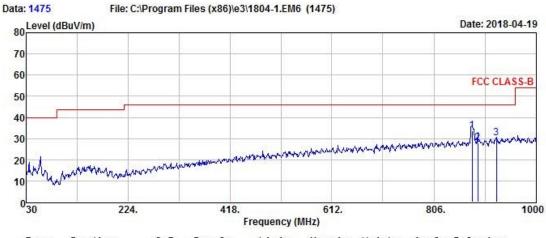


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Test Mode : BT BLE_L Tested by: JUNG E H

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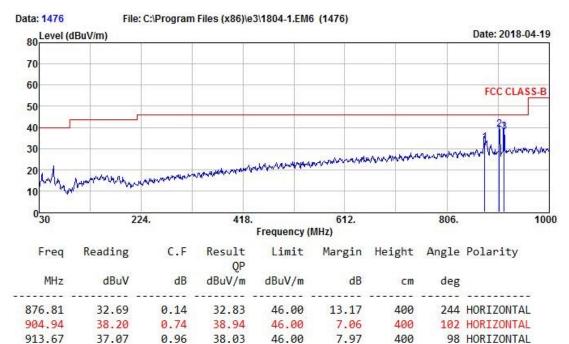
Freq	Reading	C.F	Result QP	Limit	Margin	Height	Angle	Polarity
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	deg	
877.78	33.35	0.15	33.50	46.00	12.50	100	240	VERTICAL
888.45	27.59	0.32	27.91	46.00	18.09	100	189	VERTICAL
924.34	28.86	1.24	30.10	46.00	15.90	100	134	VERTICAL



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EUT/Model No.: SHM912 Temp/Humi: 20 / 41

Test Mode : BT BLE_M Tested by: JUNG E H

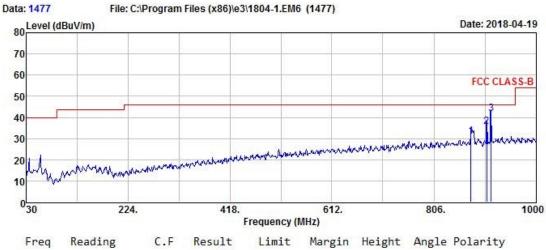




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EUT/Model No.: SHM912 Temp/Humi: 20 / 41

Test Mode : BT BLE_M Tested by: JUNG E H



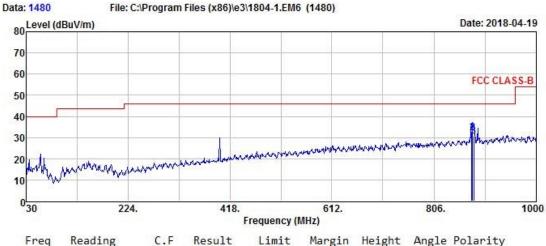
Freq	Reading	C.F	Result QP	Limit	Margin	Height	Angle	Polarity
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	deg	
875.84	31.08	0.11	31.19	46.00	14.81	100	133	VERTICAL
905.91	34.95	0.77	35.72	46.00	10.28	100	195	VERTICAL
913.67	40.57	0.96	41.53	46.00	4.47	100	187	VERTICAL



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EUT/Model No.: SHM912 Temp/Humi: 20 / 41

Test Mode : BT BLE_H Tested by: JUNG E H



Freq	Reading	C.F	Result	Limit	Margin	Height	Angle	Polarity
MHz	dBuV	dB	QP dBuV/m	dBuV/m	dB	cm	deg	
876.81	32.51	0.14	32.65	46.00	13.35	400	159	HORIZONTAL
878.75	31.93	0.16	32.09	46.00	13.91	400	302	HORIZONTAL
880.69	30.32	0.20	30.52	46.00	15.48	400	307	HORIZONTAL



888.45

27.11

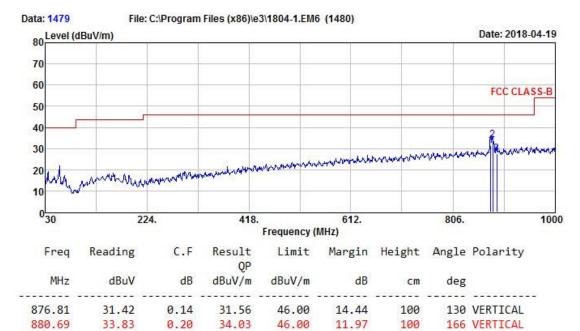
0.32

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EUT/Model No.: SHM912 Temp/Humi: 20 / 41

Test Mode : BT BLE_H Tested by: JUNG E H



46.00

18.57

100

288 VERTICAL

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain

27.43

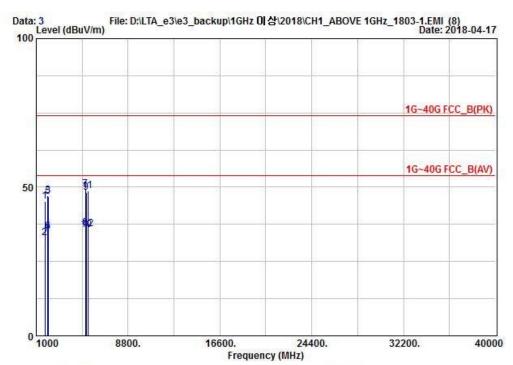
Radiated Emissions - (Above 1 GHz)



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EUT/Model No.: SHM912 Test Mode: BT BLE_L Tested by : JUNG E H Temp/Humi: 22 / 62



	Freq	Reading	C.F	Result PK	Limit	Margin	Polarity
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
1	1728.40	46.30	-0.95	45.35	74.00	28.65	VERTICAL
2	1728.40	33.90	-0.95	32.95	54.00	21.05	VERTICAL
3	1982.90	45.70	1.45	47.15	74.00	26.85	HORIZONTAL
4	1982.90	33.50	1.45	34.95	54.00	19.05	HORIZONTAL
5	2019.40	45.30	1.68	46.98	74.00	27.02	HORIZONTAL
6	2019.40	33.40	1.68	35.08	54.00	18.92	HORIZONTAL
7	5177.60	30.80	18.65	49.45	74.00	24.55	VERTICAL
8	5177.60	17.60	18.65	36.25	54.00	17.75	VERTICAL
9	5247.50	29.70	18.61	48.31	74.00	25.69	HORIZONTAL
10	5247.50	17.20	18.61	35.81	54.00	18.19	HORIZONTAL
11	5384.30	29.40	19.25	48.65	74.00	25.35	VERTICAL
12	5384 30	16.80	19 25	36 05	54 00	17 95	WERTICAL.

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain

Blue : Vertical Black : Horizontal

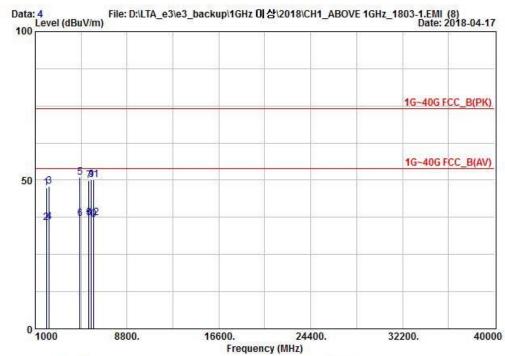


EMI I Chamber of LTA CO.,LTD.

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EUT/Model No.: SHM912 Test Mode: BT BLE_M

Tested by : JUNG E H Temp/Humi: 22 / 62



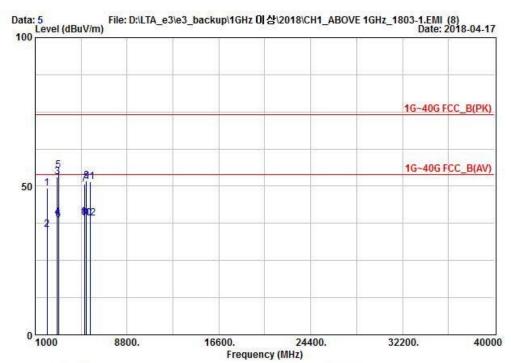
	Freq	Reading	C.F	Result PK	Limit	Margin	Polarity
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
1	1941.30	46.20	1.20	47.40	74.00	26.60	VERTICAL
2	1941.30	34.50	1.20	35.70	54.00	18.30	VERTICAL
3	2189.80	45.80	2.20	48.00	74.00	26.00	HORIZONTAL
4	2189.80	33.70	2.20	35.90	54.00	18.10	HORIZONTAL
5	4809.20	33.10	17.79	50.89	74.00	23.11	VERTICAL
6	4809.20	19.40	17.79	37.19	54.00	16.81	VERTICAL
7	5557.50	30.10	19.82	49.92	74.00	24.08	HORIZONTAL
8	5557.50	17.60	19.82	37.42	54.00	16.58	HORIZONTAL
9	5746.10	29.80	20.33	50.13	74.00	23.87	HORIZONTAL
10	5746.10	16.40	20.33	36.73	54.00	17.27	HORIZONTAL
11	5982.70	28.40	21.80	50.20	74.00	23.80	VERTICAL
12	5982.70	15.50	21.80	37.30	54.00	16.70	VERTICAL

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain Blue : Vertical Black : Horizontal



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EUT/Model No.: SHM912 Test Mode: BT BLE_H
Tested by : JUNG E H Temp/Humi: 22 / 62



	Freq	Reading	C.F	Result PK	Limit	Margin	Polarity
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
1	2027.30	47.70	1.73	49.43	74.00	24.57	VERTICAL
2	2027.30	33.60	1.73	35.33	54.00	18.67	VERTICAL
3	2868.40	46.70	6.34	53.04	74.00	20.96	HORIZONTAL
4	2868.40	33.10	6.34	39.44	54.00	14.56	HORIZONTAL
5	2987.90	47.50	7.68	55.18	74.00	18.82	VERTICAL
6	2987.90	30.90	7.68	38.58	54.00	15.42	VERTICAL
7	5194.50	31.80	18.78	50.58	74.00	23.42	HORIZONTAL
8	5194.50	20.80	18.78	39.58	54.00	14.42	HORIZONTAL
9	5342.80	32.80	19.04	51.84	74.00	22.16	VERTICAL
10	5342.80	20.10	19.04	39.14	54.00	14.86	VERTICAL
11	5652.80	31.50	20.03	51.53	74.00	22.47	HORIZONTAL
12	5652.80	19.10	20.03	39.13	54.00	14.87	HORIZONTAL

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain Blue : Vertical Black : Horizontal

3.2.7 AC Conducted Emissions

Procedure:

The conducted emissions are measured in the shielded room with a spectrum analyzer in peak hold. While the measurement, EUT had its hopping function disabled at the middle channels in line with Section 15.31(m). Emissions closest to the limit are measured in the quasi-peak mode (QP) with the tuned receiver using a bandwidth of 9 kHz. The emissions are maximized further by cable manipulation and Exerciser operation. The highest emissions relative to the limit are listed.

Measurement Data: N/A

Minimum Standard: FCC Part 15.207(a) / EN 55022

Frequency Range	quasi-peak	Average		
0.15 ~ 0.5	66 to 56 *	56 to 46 *		
0.5 ~ 5	56	46		
5 ~ 30	60	50		

^{*} Note: This product operates only with battery and does not operate during charging.

Ref. No.: LR500111805D

APPENDIX TEST EQUIPMENT USED FOR TESTS

	Use	Description	Model No.	Serial No.	Manufacturer	Interval	Last Cal. Date
1		Signal Analyzer (9 kHz ~ 30 GHz)	FSV30	100757	R&S	1 year	2017-09-15
2		SYNTHESIZED CW GENERATOR	83711B	US34490456	HP	1 year	2018-03-19
3		Attenuator (3 dB)	8491A	37822	НР	1 year	2017-09-07
4		Attenuator (10 dB)	8491A	63196	НР	1 year	2017-09-07
5		EMI Test Receiver (~7 GHz)	ESCI7	100722	R&S	1 year	2017-09-07
6		RF Amplifier (~1.3 GHz)	8447D OPT 010	2944A07684	НР	1 year	2017-09-07
7		RF Amplifier (1~26.5 GHz)	8449B	3008A02126	НР	1 year	2018-03-21
8		Horn Antenna (1~18 GHz)	3115	00114105	ETS	2 year	2017-09-26
9		DRG Horn (Small)	3116B	81109	ETS-Lindgren	2 year	2016-05-03
10		DRG Horn (Small)	3116B	133350	ETS-Lindgren	2 year	2016-05-03
11		TRILOG Antenna	VULB 9160	9160-3237	SCHWARZBECK	2 year	2017-04-17
12		Temp.Humidity Data Logger	SK-L200TH II A	00801	SATO	1 year	2017-11-23
13		DC Power Supply	6674A	3637A01657	Agilent	-	-
14		AC Power Supply	HK-80	LR001	DAERIMTECH	-	-
15		Power Meter	EPM-441A	GB32481702	НР	1 year	2018-03-20
16		Power Sensor	8481A	3318A94972	НР	1 year	2017-12-26
17		Audio Analyzer	8903B	3729A18901	НР	1 year	2017-09-07
18		Modulation Analyzer	8901B	3749A05878	НР	1 year	2017-09-07
19		TEMP & HUMIDITY Chamber	YJ-500	LTAS06041	JinYoung Tech	1 year	2017-09-07
20		Stop Watch	HS-3	812Q08R	CASIO	2 year	2018-03-21
21		LISN	KNW-407	8-1430-1	Kyoritsu	1 year	2017-09-07
22		Two-Lime V-Network	ESH3-Z5	893045/017	R&S	1 year	2018-03-20
23		Highpass Filter	WHKX1.5/15G-10SS	74	Wainwright Instruments	1 year	2018-03-19
24		Highpass Filter	WHKX3.0/18G-10SS	118	Wainwright Instruments	1 year	2018-03-19
25		OSP120 BASE UNIT	OSP120	101230	R&S	1 year	2018-03-21
26		Signal Generator(100 kHz ~ 40 GHz)	SMB100A	177621	R&S	1 year	2018-03-20
27		Vector Signal Generator(9kHz ~ 6 GHz)	SMBV100A	255081	R&S	1 year	2018-03-20
28		Signal Analyzer (10 Hz ~ 40 GHz)	FSV40	101367	R&S	1 year	2018-03-20