



TEST REPORT

No. I19D00005-SRD01

For

Client: Bright Box Europe SA

Production: ZCC RB4

Model Name: RB 4.0.0.LTECM1

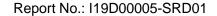
Brand Name: NO

FCC ID: 2AR3JRB4

Hardware Version: 4

Software Version: 4.4.10

Issued date: 2019-03-13



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Report Issued Date: Mar. 13, 2019



NOTE

- 1. The test results in this test report relate only to the devices specified in this report.
- 2. This report shall not be reproduced except in full without the written approval of East China Institute of Telecommunications.
- For the test results, the uncertainty of measurement is not taken into account when
 judging the compliance with specification, and the results of measurement or the average
 value of measurement results are taken as the criterion of the compliance with
 specification directly.

Test Laboratory:

East China Institute of Telecommunications

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Revision Version

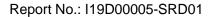
Report Number	Revision	Date	Memo
I19D00005-SRD01	00	2019-03-13	Initial creation of test report

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1. Test Laboratory

1.1. Testing Location

Company Name	East China Institute of Telecommunications
Address	7-8/F., Area G, No.666, Beijing East Road, Shanghai, China
Postal Code	200001
Telephone	+86 21 63843300
Fax	+86 21 63843301
FCC registration No	958356

1.2. Testing Environment

Normal Temperature	15°C-35°C
Relative Humidity	20%-75%

1.3. Project Data

Project Leader	Xu Yuting
Testing Start Date	2019-01-21
Testing End Date	2019-03-04

1.4. Signature

Yang Dejun
(Prepared this test report)

杨德君

Shi Hongqi (Reviewed this test report)

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施红旗

Zheng Zhongbin
(Approved this test report)



2. Client Information

2.1. Applicant Information

Company Name	Bright Box Europe SA
Address	Voie du Chariot, 3, 1003, Lausanne, Vaud, Switzerland
Telephone	00852 9634 8252
Postcode	1

2.2. Manufacturer Information

Company Name	Tradezone HK Limited				
Address	F,3/F,BLK6,VILLA CONCERTO,SYMPHONYBAY,530 SAI SHA RD,SAI				
Address	KUNG,N.T.HONG KONG				
Telephone	00852 9634 8252				
Postcode	/				

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3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Production	ZCC RB4
Model name	RB 4.0.0.LTECM1
BLE Frequency	2402MHz-2480MHz
BLE Channel	Channel0-Channel39
BLE Modulation	GFSK;
GSM Frequency Band	/
UMTS Frequency Band	/
CDMA Frequency Band	1
LTE Frequency Band	CAT-M1 B2/4/12/13
Additional Communication	BLE/2.4G WLAN 802.11 b/g/n20/n40
Function	
Extreme Temperature	-30/+50°C
Nominal Voltage	12V
Extreme High Voltage	18V
Extreme Low Voltage	8V

Note: Photographs of EUT are shown in ANNEX A of this test report.

3.2.Internal Identification of EUT used during the test

EUT ID*	Model Name	SN or IMEI	HW	SW Version	Date of receipt
			Version		
N04	RB	/	4	4.4.10	2019-01-21
	4.0.0.LTECM1				
N01	RB	/	4	4.4.10	2019-01-21
	4.0.0.LTECM1				

^{*}EUT ID: is used to identify the test sample in the lab internally.

3.3. Internal Identification of AE used during the test

AE ID*	Description	Туре	Manufacturer
AE1	RF cable		AE1

^{*}AE ID: is used to identify the test sample in the lab internally.

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4. Reference Documents

4.1. Documents supplied by applicant

All technical documents are supplied by the client or manufacturer, which is the basis of testing.

4.2. Reference Documents for testing

The following documents listed in this section are referred for testing.

Reference	Title		
	FCC CFR 47, Part 15,Subpart C:		
FCC Part15	15.205 Restricted bands of operation;		
	15.209 Radiated emission limits, general requirements;	2018/10/	
	15.247 Operation within the bands 902-928MHz,	ı	
	2400-2483.5MHz, and 5725-5850MHz.		
ANCI 002.40	American National Standard of Procedures for Compliance	2012	
ANSI C63.10	Testing of Unlicensed Wireless Devices	2013	



5. Test Results

5.1. Summary of Test Results

Measurement Items	Sub-clause of Part15C	Sub-claus e of IC	Verdict
Maximum Peak Output Power	15.247(b)	/	Р
Peak Power Spectral Density	15.247(e)	/	Р
6dB Occupied Bandwidth	15.247(a)	/	Р
Band Edges Compliance	15.247(d)	/	Р
Transmitter Spurious Emission-Conducted	15.247	/	Р
Transmitter Spurious Emission-Radiated	15.247	/	Р

Note: please refer to Annex A in this test report for the detailed test results.

The following terms are used in the above table.

Р	Pass, the EUT complies with the essential requirements in the standard.
NP	Not Perform, the test was not performed by ECIT.
NA	Not Applicable, the test was not applicable.
F	Fail, the EUT does not comply with the essential requirements in the standard.

Test Conditions

Tnom	Normal Temperature
Tmin	Low Temperature
Tmax	High Temperature
Vnom	Normal Voltage
Vmin	Low Voltage
Vmax	High Voltage
Hnom	Norm Humidity
Anom	Norm Air Pressure

For this report, all the test case listed above are tested under Normal Temperature and Normal Voltage, and also under norm humidity, the specific conditions as following:

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Temperature	Tnom	25℃
Voltage	Vnom	12V
Humidity	Hnom	48%
Air Pressure	Anom	1010hPa

5.2. Statements

The RB 4.0.0.LTECM1, supporting CAT-M1/BLE/WLAN, manufactured by Tradezone HK Limited., is an initial product for testing.

ECIT only performed test cases which identified with P/NP/NA/F results in Annex A.

ECIT has verified that the compliance of the tested device specified in section 3 of this test report is successfully evaluated according to the procedure and test methods as defined in type certification requirement listed in section 4 of this test report.

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6. Test Equipments Utilized

6.1. Conducted Test System

Item	Instrument Name	Туре	Serial Number	Manufacturer	Cal. Date	Cal. interval
1	Vector Signal Analyzer	FSQ26	101091	Rohde&Schw arz	2018-05-11	1 Year
2	DC Power Supply	ZUP60-14	LOC-220Z0 06 -0007	TDL-Lambda	2018-05-11	1 Year

6.2. Radiated Emission Test System

Item	Instrument Name	Туре	Serial Number	Manufacturer	Cal. Date	Cal.
1	Universal Radio Communication Tester	CMU200	123123	R&S	2018-05-11	1 Year
2	EMI Test Receiver	ESU40	100307	R&S	2018-05-11	1 Year
3	TRILOG Broadband Antenna	VULB9163	VULB9163- 515	Schwarzbeck	2017-02-25	3 Year
4	Double- ridged Waveguide Antenna	ETS-3117	00135890	ETS	2017-01-11	3 Year
5	2-Line V-Network	ENV216	101380	R&S	2018-05-11	1 Year

Anechoic chamber

Fully anechoic chamber by Frankonia German.

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7. Measurement Uncertainty

Measurement uncertainty for all the testing in this report are within the limit specified in ECIT documents . The detailed measurement uncertainty is defined in ECIT documents.

Measurement Items	Range	Confide nce Level	Calculated Uncertainty
Peak Output Power-Conducted	2402MHz-2480MHz	95%	\pm 0.544dB
Peak Power Spectral Density	2402MHz-2480MHz	95%	±0.544dB
6dB Bandwidth	2402MHz-2480MHz	95%	\pm 62.04Hz
Frequency Band Edges-Conducted	2390MHz-2488.5MHz	95%	±0.544dB
Conducted Emission	30MHz-2GHz	95%	\pm 0.90dB
Conducted Emission	2GHz-3.6GHz	95%	±0.88dB
Conducted Emission	3.6GHz-8GHz	95%	±0.96dB
Conducted Emission	8GHz-20GHz	95%	±0.94dB
Conducted Emission	20GHz-22GHz	95%	±0.88dB
Conducted Emission	22GHz-26GHz	95%	±0.86dB
Transmitter Spurious Emission-Radiated	9KHz-30MHz	95%	±5.66dB
Transmitter Spurious Emission-Radiated	30MHz-1000MHz	95%	±4.98dB
Transmitter Spurious Emission-Radiated	1000MHz -18000MHz	95%	±5.06dB
Transmitter Spurious Emission-Radiated	18000MHz -40000MHz	95%	±5.20dB

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8. Test Environment

Shielding Room1 (6.0 meters×3.0 meters×2.7 meters) did not exceed following limits along the conducted RF performance testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	> 100 dB
Ground system resistance	< 0.5 Ω

Control room did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. =30 %, Max. = 60 %
Shielding effectiveness	> 100 dB
Electrical insulation	> 10 kΩ
Ground system resistance	< 0.5 Ω

Fully-anechoic chamber1 (6.9 meters×10.9 meters×5.4 meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 25 %, Max. = 75 %
Shielding effectiveness	> 100 dB
Electrical insulation	> 10 kΩ
Ground system resistance	< 0.5 Ω
VSWR	Between 0 and 6 dB, from 1GHz to 18GHz
Site Attenuation Deviation	Between -4 and 4 dB,30MHz to 1GHz
Uniformity of field strength	Between 0 and 6 dB, from 80MHz to 3000 MHz



ANNEX A. Detailed Test Results

ANNEX A.1. Peak Output Power-Conducted

A.1.1 Measurement Limit

Standard	Limit (dBm)
FCC Part 15.247(b)(1)	< 30

A.1.2 Test Condition:

DTS procedure	RBW	VBW	Span	Sweeptime
BT-LE	3MHz	10MHz	9MHz	Auto

A.1.3 Test procedure

The measurement is according to ANSI C63.10 clause 11.9.1

- a) Set the RBW \geq DTS bandwidth.
- b) Set VBW \geq [3 \times RBW].
- c) Set span \geq [3 \times RBW].
- d) Sweep time = auto couple.
- e) Detector = peak.
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use peak marker function to determine the peak amplitude level.

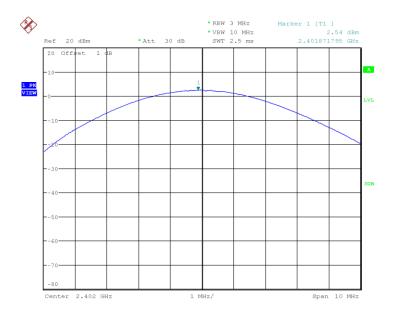
Measurement Results:

For GFSK

Channel	Ch0 2402 MHz	Ch19 2440 MHz	CH39 2480 MHz	Conclusion
Peak Conducted	2.54	4.066	4.89	Ф
Output Power (dBm)	Fig.1	Fig.2	Fig.3	r

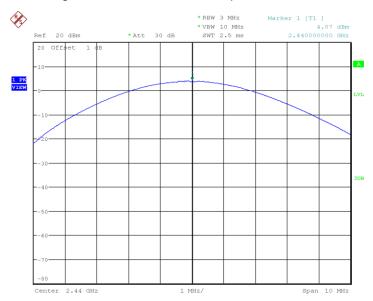
Conclusion: PASS
Test graphs an below





Date: 18.FEB.2019 04:20:21

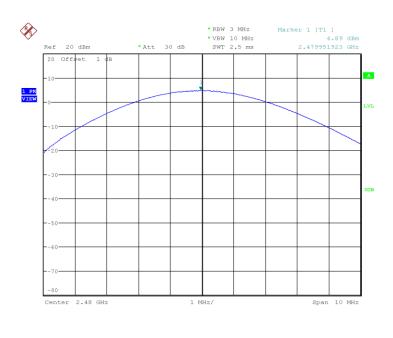
Fig.1 Peak Conducted Output Power CH0, DH1



Date: 18.FEB.2019 04:21:22

Fig.2 Peak Conducted Output Power CH19, DH1





Date: 18.FEB.2019 04:22:15

Fig.3 Peak Conducted Output Power CH39, DH1

ANNEX A.2. Peak Power Spectral Density

A.2.1 Measurement Limit:

Standard	Limit
FCC CFR Part 15.247(e)	< 8dBm/3 kHz

A.2.2 Test procedures

The measurement is according to ANSI C63.10 clause 11.10.

- 1. The output power of EUT was connected to the spectrum analyzer. The path loss was compensated to the results for each measurement.
- 2. Enable EUT transmitter maximum power continuously.
- 3. Set analyzer center frequency to DTS channel center frequency.
- 4. Set the span to 1.5 times the DTS bandwidth.
- 5. Set the RBW to 3 kHz \leq RBW \leq 100 kHz.
- 6. Set the VBW \geq [3 \times RBW].
- 7. Detector = peak.
- 8. Sweep time = auto couple.
- 9. Trace mode = max hold.
- 10. Allow trace to fully stabilize.
- 11. Use the peak marker function to determine the maximum amplitude level within the RBW.
- 12. If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.

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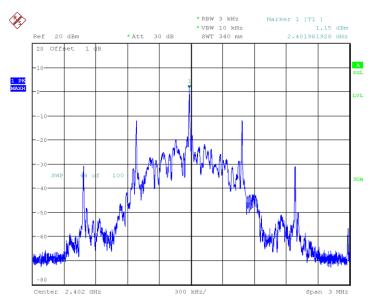
Report Issued Date: Mar. 13, 2019

Measurement Results:



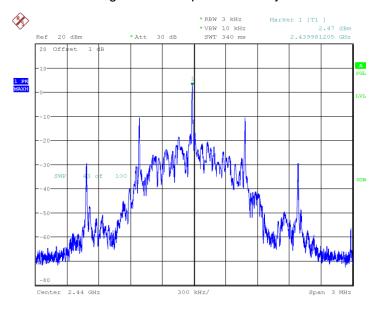
Mode	Channel	Power Spectral Density(dBm/3kHz)		Conclusion
	00	Fig.4	1.151	Р
BT-LE	19	Fig.5	2.473	Р
	39	Fig.6	3.542	Р

Test figure as below:



Date: 18.FEB.2019 04:26:42

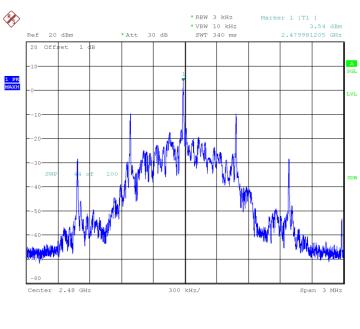
Fig.4 Power spectral density: CH0



Date: 18.FEB.2019 04:27:47

Fig.5 Power spectral density: CH19





Date: 18.FEB.2019 04:28:39

Fig.6 Power spectral density: CH39

ANNEX A.3. 6dB Bandwidth

A.3.1 Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247 (a) (1)	≥500k

A.3.2 Test procedures

The measurement is according to ANSI C63.10 clause 11.8.

- The output power of EUT was connected to the spectrum analyzer. The path loss was compensated
 to the results for each measurement.
- 2. Enable EUT transmitter maximum power continuously.
- 3. Set RBW = 100 kHz.
- 4. Set the VBW \geq [3 \times RBW].
- 5. Detector = peak.
- 6. Trace mode = max hold.
- 7. Sweep = auto couple.
- 8. Allow the trace to stabilize.
- 9. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

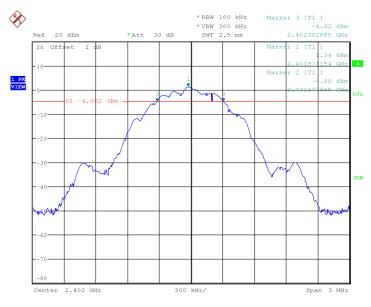


Measurement Result:

For GFSK

Channel	6dB Bandwidth (kHz)		Conclusion
0	Fig.7	625	Р
39	Fig.8	625	Р
78	Fig.9	620	Р

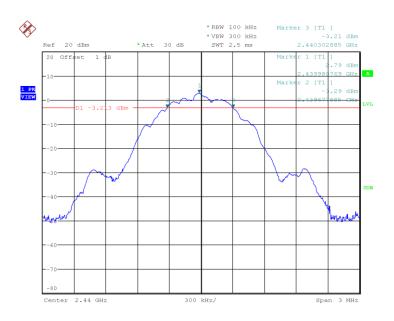
Conclusion: PASS
Test graphs as below:



Date: 18.FEB.2019 04:23:28

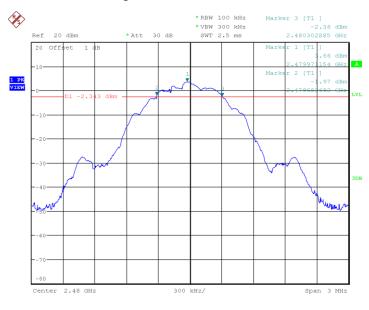
Fig.7 6dB Bandwidth: Ch0





Date: 18.FEB.2019 04:24:31

Fig.8 6dB Bandwidth: Ch19



Date: 18.FEB.2019 04:25:29

Fig.9 6dB Bandwidth: Ch39

ANNEX A.4. Frequency Band Edges-Conducted

A.4.1 Measurement Limit:

Standard	Limited(dBc)
FCC 47 CFR Part 15.247(d)	>20

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A.4.2 Test procedure

The measurement is according to ANSI C63.10 clause 11.13.2

- 1) Span: Wide enough to capture the peak level of the emission operating on the channel closest to the band edge, as well as any modulation products that fall outside of the authorized band of operation.
- 2) Reference level: As required to keep the signal from exceeding the maximum instrument input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.
- 3) Attenuation: Auto (at least 10 dB preferred).
- 4) Sweep time: Coupled.
- 5) Resolution bandwidth: 100 kHz.6) Video bandwidth: 300 kHz.7) Detector: Peak.8) Trace: Max hold.

Measurement results

For GFSK

Channel	Band Edge Power (dBc)	Conclusion
00	Fig.10	Р
39	Fig.11	Р

Conclusion: PASS Test graphs an below

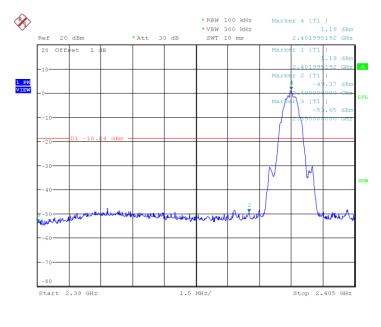


Fig.10 Frequency Band Edge: GFSK, Ch0

Date: 18.FEB.2019 04:30:34



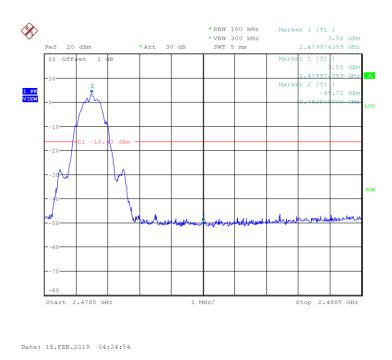


Fig.11 Frequency Band Edge: GFSK, Ch39

ANNEX A.5. Conducted Emission

A.5.1 Measurement Limit:

Standard	Limit	
FCC 47 CFR Part15.247 (d)	20dB below peak output power in 100KHz bandwidth	

A.5.2 Test procedures

This measurement is according to ANSI C63.10 clause 11.11.

- The output power of EUT was connected to the spectrum analyzer. The path loss was compensated
 to the results for each measurement.
- 2. Enable EUT transmitter maximum power continuously.

Reference level measurement

- 3. Set instrument center frequency to DTS channel center frequency.
- 4. Set the span to \geq 1.5 times the DTS bandwidth.
- 5. Set the RBW = 100 kHz.
- 6. Set the VBW \geq [3 \times RBW].
- 7. Detector = peak.
- 8. Sweep time = auto couple.
- 9. Trace mode = max hold.
- 10. Allow trace to fully stabilize.
- 11. Use the peak marker function to determine the maximum PSD level.

Emission level measurement



- 12. Set the center frequency and span to encompass frequency range to be measured.
- 13. Set the RBW = 100 kHz.
- 14. Set the VBW \geq [3 \times RBW].
- 15. Detector = peak.
- 16. Sweep time = auto couple.
- 17. Trace mode = max hold.
- 18. Allow trace to fully stabilize.
- 19. Use the peak marker function to determine the maximum amplitude level.

Measurement Results:

Channel	Frequency Range	Test Results	Conclusion
Ch0 2402MHz	Center Freq.	Fig.12	Р
CHO 2402WHZ	30MHz~26GHz	Fig.13	Р
Ch19 2440MHz	Center Freq.	Fig.14	Р
	30MHz~26GHz	Fig.15	Р
Ch39 2480MHz	Center Freq.	Fig.16	Р
Cn39 2460WIHZ	30MHz~26GHz	Fig.17	Р

Conclusion: PASS
Test graphs as below

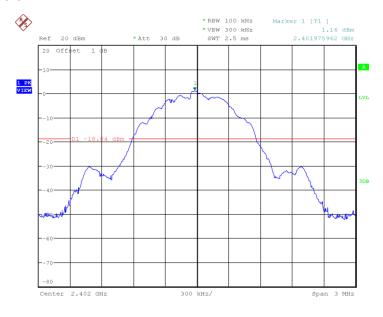
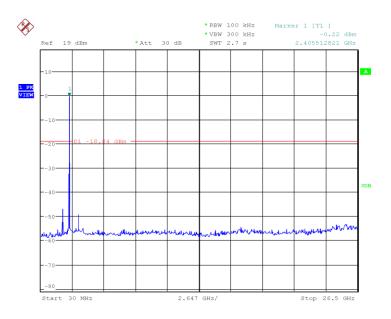


Fig.12 Conducted spurious emission: Ch0, 2402MHz

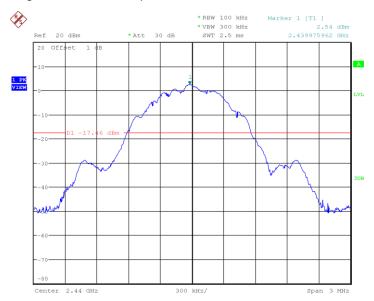
Date: 18.FEB.2019 04:29:58





Date: 18.FEB.2019 04:31:08

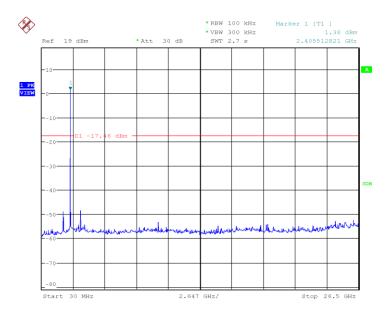
Fig.13 Conducted spurious emission: Ch0, 30MHz~26GHz



Date: 18.FEB.2019 04:31:55

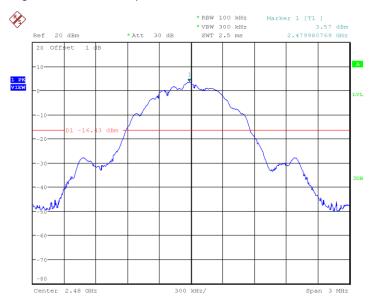
Fig.14 Conducted spurious emission: Ch19, 2440MHz





Date: 18.FEB.2019 04:33:11

Fig.15 Conducted spurious emission: Ch19, 30MHz~26GHz



Date: 18.FEB.2019 04:34:18

Fig.16 Conducted spurious emission: Ch39, 2480MHz



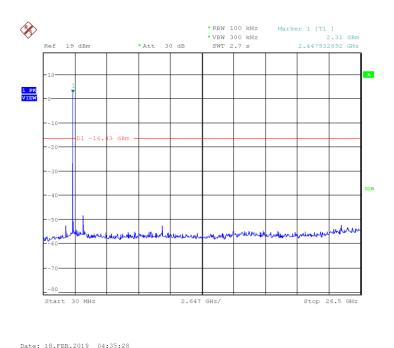


Fig.17 Conducted spurious emission: Ch39, 30MHz~26GHz

ANNEX A.6. Radiated Emission

A.6.1 Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247, 15.205, 15.209	20dB below peak output power

In addition, 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) (see 15.205(c)).

Limit in restricted band:

Frequency of emission (MHz)	Field strength (uV/m)	Field strength (dBuV/m)
30~88	100	40
88~216	150	43.5
216~960	200	46
Above 960	500	54

A.6.2 Test Method

Portable, small, lightweight, or modular devices that may be handheld, worn on the body, or placed on a table during operation shall be positioned on a non-conducting platform, the top of which is 80 cm above the reference ground plane. The preferred area occupied by the EUT arrangement is 1 m by 1.5 m, but it may be larger or smaller to accommodate various sized EUTs. For testing purposes, ceiling- and



wall-mounted devices also shall be positioned on a tabletop (see also ANSI C63.10-2013 section 6.3.4 and 6.3.5). In making any tests involving handheld, body-worn, or ceiling-mounted equipment, it is essential to recognize that the measured levels may be dependent on the orientation (attitude) of the three orthogonal axes of the EUT. Thus, exploratory tests as specified in 8.3.1 shall be carried out for various axes orientations to determine the attitude having maximum or near-maximum emission level. The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

•	<u> </u>	
Frequency of emission (MHz)	RBW/VBW	Sweep Time (s)
30~1000	100KHz/300KHz	5
1000~4000	1MHz/3MHz	15
4000~18000	1MHz/3MHz	40
18000~26500	1MHz/3MHz	20

A.6.3 Measurement Results:

A "reference path loss" is established and A_{Rpi} is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

The measurement results are obtained as described below:

A_{Rpi} = Cable loss + Antenna Gain-Preamplifier gain

Result= $P_{Mea} + A_{Rpi}$

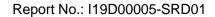
Channel	Frequency Range	Test Results	Conclusion
	30MH~1GHz	Fig.18	Р
Ch0 2402MHz	1GHz~3GHz	Fig.19	Р
	3GHz~18GHz	Fig.20	Р
Power (low)	2.31GHz~2.5GHz	Fig.21	Р

Channel	Frequency Range	Test Results	Conclusion
	30MH~1GHz	Fig.22	Р
Ch39 2480MHz	1GHz~3GHz	Fig.23	Р
	3GHz~18GHz	Fig.24	Р
Power (high)	2.31GHz~2.5GHz	Fig.25	Р

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Ch0 30MHz-1GHz (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
34.7	22.05	-27.5	49.55	V
39.3	35.94	-26.3	62.24	V
77.4	29.59	-31.3	60.89	Н
250.0	34.43	-26.8	61.23	Н
937.5	41.49	-13.7	55.19	Н
1000.0	46.22	-13	59.22	V

Ch0 1GHz-3GHz (Peak)

	one renz denz (roan)					
Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity		
1250.1	48.8	-9.9	58.7	Н		
1625.3	52.19	-5	57.19	V		
1750.1	53.02	-3	56.02	Н		
2613.0	54.56	3.9	50.66	Н		
2781.3	54.62	4.3	50.32	V		
2874.6	56.64	5.5	51.14	V		

Ch0 1GHz-3GHz (Average)

	(
Frequer	ncy(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity	
26	13.0	42.53	3.9	38.63	Н	
27	81.3	42.61	4.3	38.31	V	
28	74.6	44.15	5.5	38.65	V	

Ch0 3GHz-18GHz (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
4804.3	51.05	-0.1	51.15	Н
14299.5	55.92	20.8	35.12	Н
14850.2	55.01	20.5	34.51	Н
15447.2	56.61	22.7	33.91	Н

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16387.5	58.21	25.7	32.51	Н
17125.8	60.14	27	33.14	٧

Ch0 3GHz-18GHz (Average)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
14299.5	43.44	20.8	22.64	Н
14850.2	43.16	20.5	22.66	Н
15447.2	44.08	22.7	21.38	н
16387.5	46.14	25.7	20.44	Н
17125.8	47.87	27	20.87	V

Ch39 30MHz-1GHz (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
39.9	37.15	-26.2	63.35	V
83.8	27.69	-30.9	58.59	Н
140.1	26.5	-31.2	57.7	Н
223.0	34.47	-27.8	62.27	Н
269.1	32.76	-26.6	59.36	Н
480.0	27.07	-22.2	49.27	Н

Ch39 1GHz-3GHz (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
1810.2	50.37	-0.6	50.97	Н
1889.4	50.35	0	50.35	Н
1997.1	49.7	-1.1	50.8	V
2117.2	49.21	-1.2	50.41	V
2228.8	52.89	0.5	52.39	Н
2687.7	55.02	4.6	50.42	V

Ch39 1GHz-3GHz (Average)



Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
2687.7	42.76	4.6	38.16	V

Ch39 3GHz-18GHz (Peak)

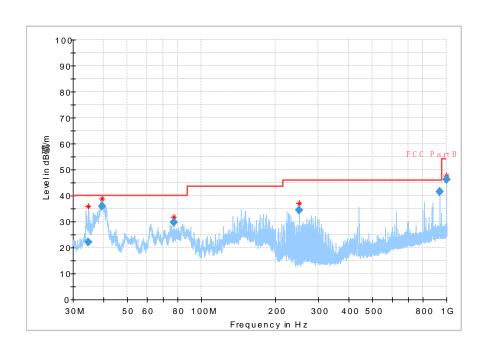
Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
3309.3	50.78	-3	53.78	V
9161.6	47.92	8.6	39.32	Н
10795.7	49.21	12.6	36.61	Н
12968.5	52.67	17.3	35.37	Н
14292.0	55.37	20.7	34.67	V
15978.4	59.2	25.1	34.1	V

Ch39 3GHz-18GHz (Average)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
14292.0	43.01	20.7	22.31	V
15978.4	46.83	25.1	21.73	V

Note: Only the worst case is written in the report.

Conclusion: PASS
Test graphs as below:





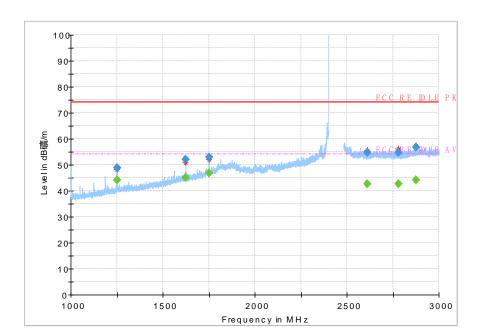


Fig.18 Radiated emission: Ch0, 30MHz~1GHz

Fig.19 Radiated emission: Ch0, 1GHz~3GHz

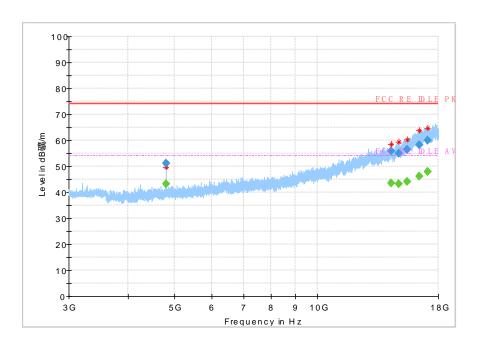
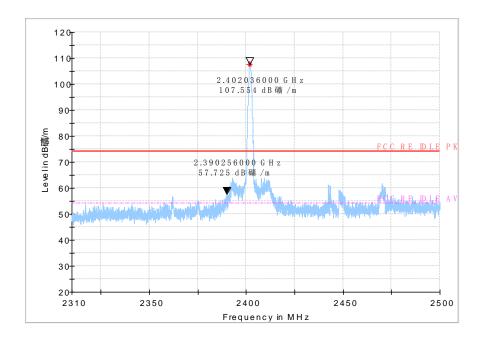


Fig.20 Radiated emission: Ch0, 3GHz~18GHz

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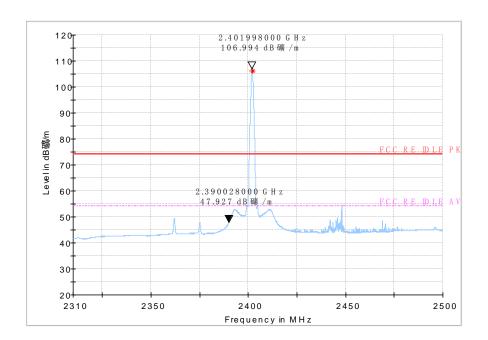


Fig.21 Bandedge:ch0



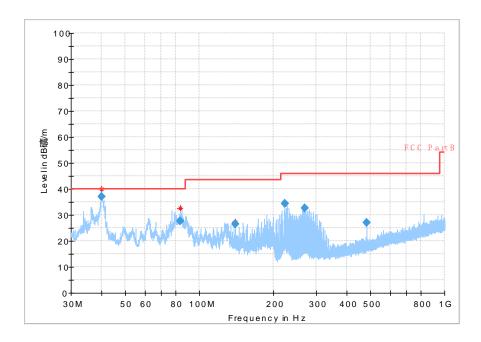


Fig.22 Radiated emission: Ch39, 30MHz~1GHz

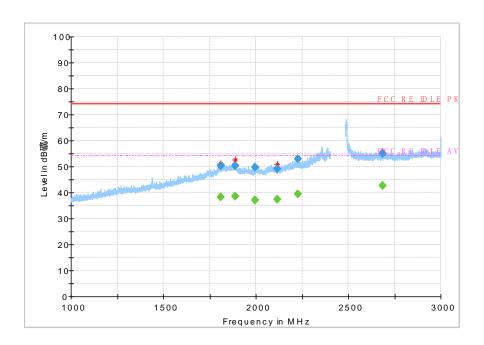


Fig.23 Radiated emission: Ch39, 1GHz~3GHz



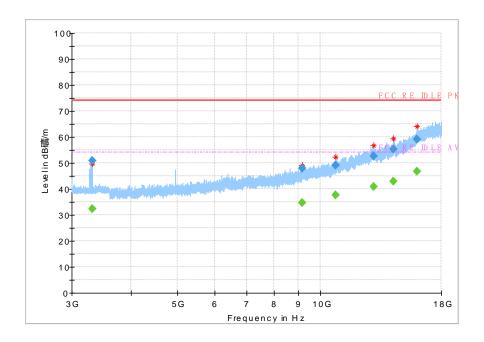
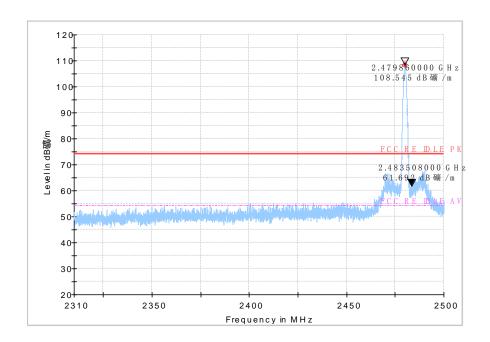


Fig.24 Radiated emission: Ch39, 3GHz~18GHz





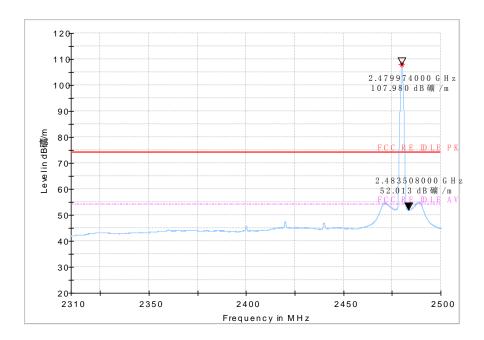
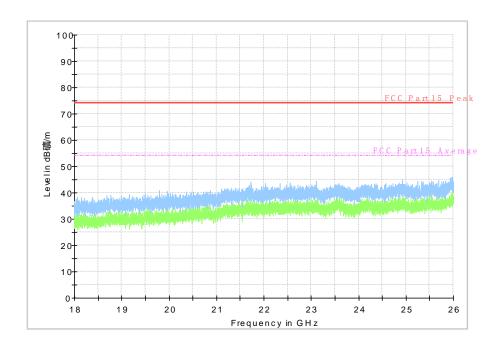


Fig.25 Bandedge:ch39



ALL Channel 18GHz~26GHz



ANNEX B. Accreditation Certificate



EAST CHINA INSTITUTE OF TELECOMMUNICATIONS

Shanghai, People's Republic of China

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005

General requirements for the competence of testing and calibration laboratories. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).



Presented this 15th day of March 2017.

President and CEO For the Accreditation Council Certificate Number 3682.01 Valid to April 30, 2019 Revised February 21, 2019

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For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

********End of the Report*******