

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Report No: CCISE180111101

FCC REPORT (RFID)

Applicant: Chengdu Ebyte Electronic Technology Co., Ltd.

Address of Applicant: innovation Center D347, 4#XI-XIN road, High-tech district(west),

Chengdu, Sichuan, China

Equipment Under Test (EUT)

Product Name: Wireless transceiver module

Model No.: E19

Trade mark: EBYTE

FCC ID: 2ALPH-E19

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of sample receipt: 01 Feb., 2018

Date of Test: 01 Feb., to 24 May., 2018

Date of report issued: 25 May., 2018

Test Result: PASS *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Bruce Zhang Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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2 Version

Version No.	Date	Description
00	25 May., 2018	Original

Tested by: Mike DU Date: 25 May., 2018

Test Engineer

Reviewed by: Date: 25 May., 2018

Project Engineer



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4 Test Summary

Test Items	Section in CFR 47	Result
Antenna requirement	15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	15.207	Pass
Conducted Peak Output Power	15.247 (b)(3)	Pass
6dB Emission Bandwidth	15.247 (a)(2)	Pass
Power Spectral Density	15.247 (e)	Pass
Band Edge	15.247(d)	Pass
Conducted and radiated Spurious Emission	15.205/15.209	Pass
Remark:		

Pass: Meet the requirement. N/A: Not Applicable for Non-adaptive equipment.



5 General Information

5.1 Client Information

Applicant:	Chengdu Ebyte Electronic Technology Co., Ltd.
Address:	innovation Center D347, 4#XI-XIN road, High-tech district(west), Chengdu, Sichuan, China
Manufacturer/Factory:	Chengdu Ebyte Electronic Technology Co., Ltd.
Address:	innovation Center D347,4#XI-XIN road, High-tech district(west), Chengdu, Sichuan, China

5.2 General Description of E.U.T.

Product Name:	Wireless transceiver module
Model No.:	E19
Operation Frequency:	903-927 MHz
Channel numbers:	25
Channel separation:	1 MHz
Modulation technology:	Lora
Antenna Type:	External Antenna
Antenna gain:	2 dBi
Power supply:	DC 5V

Operation Frequency each of channel						
Channel	Frequency	Channel	Frequency	Channel	Frequency	
0	903MHz	10	913MHz	20	923MHz	
1	904MHz	11	914MHz	21	924MHz	
2	905MHz	12	915MHz	22	925MHz	
3	906MHz	13	916MHz	23	926MHz	
4	907MHz	14	917MHz	24	927MHz	
5	908MHz	15	918MHz			
6	909MHz	16	919MHz			
7	910MHz	17	920MHz			
8	911MHz	18	921MHz			
9	912MHz	19	922MHz			

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test. Channel No. 0, 12 & 24 were selected as Lowest, Middle and Highest channel.

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5.3 Test environment and test mode

Operating Environment:				
Temperature:	24.0 °C			
Humidity:	54 % RH			
Atmospheric Pressure:	1010 mbar			
Test mode:				
Transmitting mode	Keep the EUT in continuous transmitting with modulation			

The sample was placed 0.8m (below 1GHz)/1.5m (above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. Duty cycle setting during the transmission is 100% with maximum power setting for all modulations.

5.4 Description of Support Units

	Manufacturer	Description	Model	S/N	FCC ID/DoC
	LENOVO	Laptop	SL510	2847A65	DoC
	EBYTE	Test suite	E25 D1	N/A	N/A
I	Sunshiny	Adapter	XS-1201000SCN	N/A	N/A

5.5 Measurement Uncertainty

Parameters	Expanded Uncertainty
Conducted Emission (9kHz ~ 30MHz)	±2.22 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	±2.76 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	±4.28 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	±5.72 dB (k=2)
Radiated Emission (18GHz ~ 40GHz)	±2.88 dB (k=2)

5.6 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

FCC - Registration No.: 727551

Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been accredited as a testing laboratory by FCC (Federal Communications Commission). The Registration No. is 727551.

IC - Registration No.: 10106A-1

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

CNAS - Registration No.: CNAS L6048

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

A2LA - Registration No.: 4346.01

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. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf

Shenzhen Zhongjian Nanfang Testing Co., Ltd.
No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China
Telephone: +86 (0) 755 23116366

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366 Page 6 of 38



5.7 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Address: No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,

Bao'an District, Shenzhen, Guangdong, China Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info@ccis-cb.com, Website: http://www.ccis-cb.com

5.8 Test Instruments list

Radiated Emission:	Radiated Emission:						
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)		
3m SAC	SAEMC	9m*6m*6m	966	07-22-2017	07-21-2020		
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-16-2018	03-15-2019		
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-16-2018	03-15-2019		
EMI Test Software	AUDIX	E3	6.110919b	N/A	N/A		
Pre-amplifier	HP	8447D	2944A09358	03-07-2018	03-06-2019		
Pre-amplifier	CD	PAP-1G18	11804	03-07-2018	03-06-2019		
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-07-2018	03-06-2019		
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-07-2018	03-06-2019		
Simulated Station	Anritsu	MT8820C	6201026545	03-07-2018	03-06-2019		
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-07-2018	03-06-2019		
Cable	MICRO-COAX	MFR64639	K10742-5	03-07-2018	03-06-2019		
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-07-2018	03-06-2019		

Conducted Emission:						
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
EMI Test Receiver	Rohde & Schwarz	ESCI	101189	03-07-2018	03-06-2019	
Pulse Limiter	SCHWARZBECK	OSRAM 2306	9731	03-07-2018	03-06-2019	
LISN	CHASE	MN2050D	1447	03-19-2018	03-18-2019	
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	07-21-2017	07-20-2018	
Cable	HP	10503A	N/A	03-07-2018	03-06-2019	
EMI Test Software	AUDIX	E3	6.110919b	N/A	N/A	



6 Test results and Measurement Data

6.1 Antenna requirement:

Standard requirement:

FCC Part 15 C Section 15.203 /247(c)

15.203 requirement:

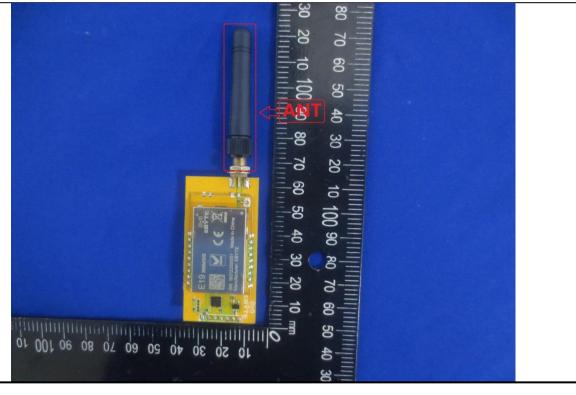
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

The antenna is an External antenna which cannot replace by end-user, the best-case gain of the antenna is 2 dBi.



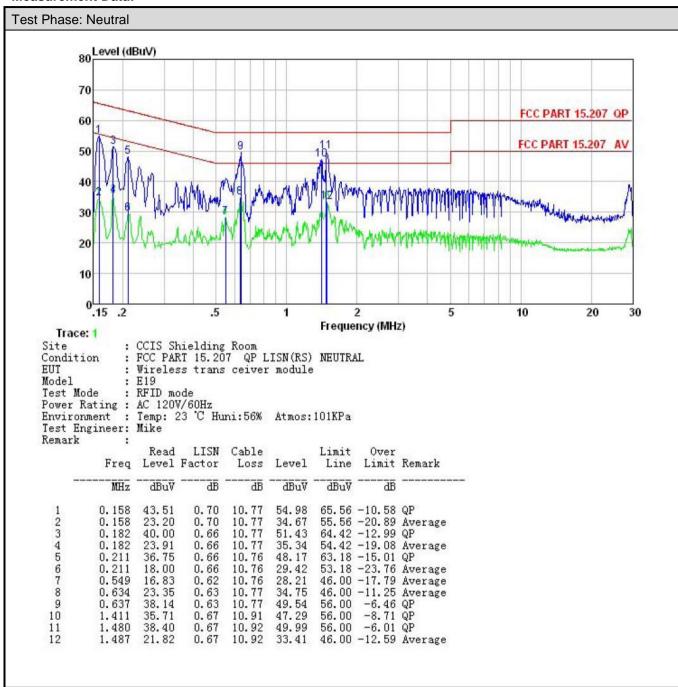


6.2 Conducted Emission

Test Requirement:	FCC Part 15 C Section 15	.207		
Test Method:	ANSI C63.10: 2013			
Test Frequency Range:	150 kHz to 30 MHz			
Class / Severity:	Class B			
Receiver setup:	RBW=9kHz, VBW=30kHz			
Limit:		Limit	(dBuV)	
Limit	Frequency range (MHz)	Quasi-peak	Average	
	0.15-0.5	66 to 56*	56 to 46*	
	0.5-5	56	46	
	5-30	60	50	
	* Decreases with the logar			
Test procedure	 The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.), which provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement. 			
Test setup:	Refere	nce Plane		
	LISN 40cm 80cm Filter AC power Equipment Test table/Insulation plane Remark E.U.T Equipment Under Test LISN: Line Impedence Stabilization Network			
Test Instruments:	Test table height=0.8m			
Test mode:	Refer to section 5.8 for details			
	Refer to section 5.3 for det	Idiis		
Test results:	Passed			



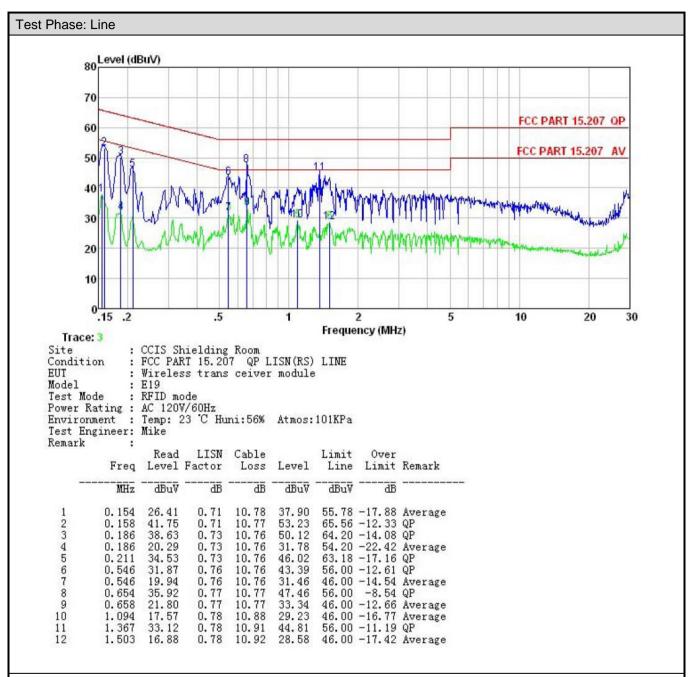
Measurement Data:



Notes:

- 1. An initial pre-scan was performed on the live and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- Final Level =Receiver Read level + LISN Factor + Cable Loss.





Notes:

- 1. An initial pre-scan was performed on the live and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- Final Level =Receiver Read level + LISN Factor + Cable Loss.



6.3 Conducted Output Power

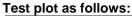
Test Requirement:	FCC Part 15 C Section 15.247 (b)(3)				
Test Method:	ANSI C63.10:2013 and KDB558074				
Limit:	30dBm				
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane				
Test Instruments:	Refer to section 5.8 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Passed				

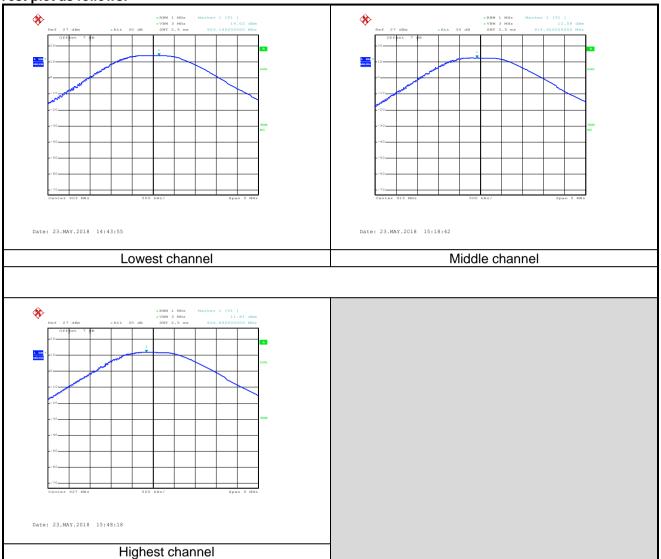
Measurement Data:

Test CH	Maximum Conducted Output Power (dBm)	Limit(dBm)	Result
Lowest	14.02		
Middle	12.58	30.00	Pass
Highest	11.81		











6.4 Occupy Bandwidth

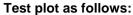
Test Requirement:	FCC Part 15 C Section 15.247 (a)(2)				
Test Method:	ANSI C63.10:2013 and KDB558074				
Limit:	>500kHz				
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane				
Test Instruments:	Refer to section 5.8 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Passed				

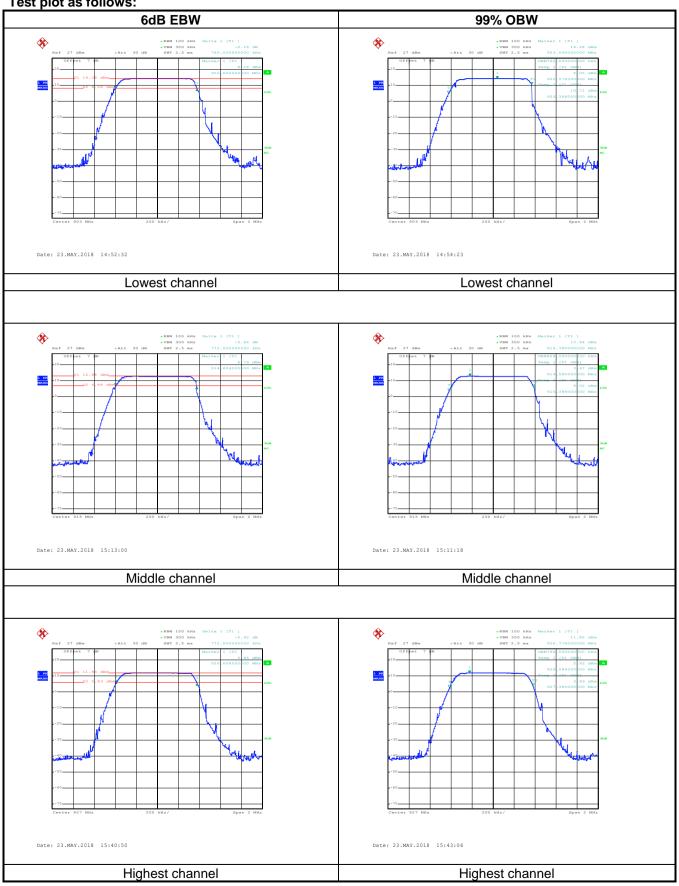
Measurement Data:

Test CH	6dB Emission Bandwidth (MHz)	Limit(kHz)	Result	
Lowest	0.780			
Middle	0.772	>500	Pass	
Highest	0.772		1	
Test CH	99% Occupy Bandwidth (MHz)	Limit(kHz)	Result	
Lowest	0.792			
Middle	Middle 0.808		N/A	
Highest	0.796			











6.5 Power Spectral Density

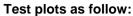
Test Requirement:	FCC Part 15 C Section 15.247 (e)				
Test Method:	ANSI C63.10:2013 and KDB558074				
Limit:	8 dBm				
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane				
Test Instruments:	Refer to section 5.8 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Passed				

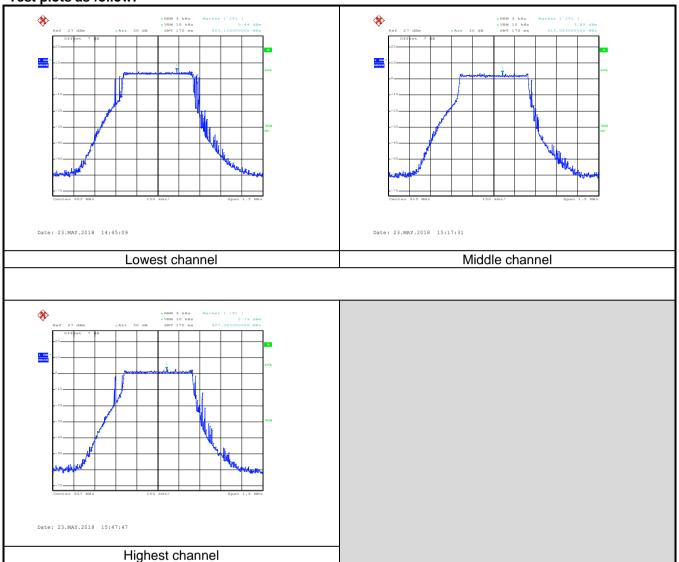
Measurement Data:

Test CH	Power Spectral Density (dBm)	Limit(dBm)	Result	
Lowest	5.44			
Middle	3.85	8.00	Pass	
Highest	2.79			











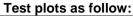
6.6 Band Edge

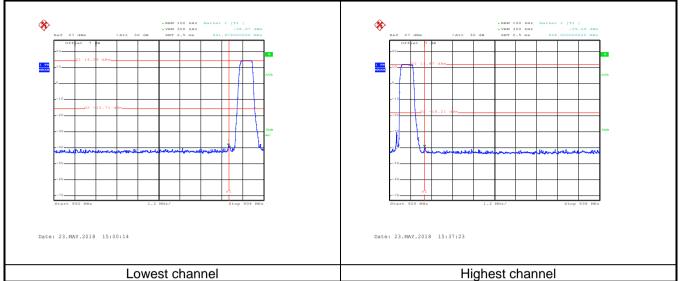
6.6.1 Conducted Emission Method

ion Conadoted Emission Method						
Test Requirement:	FCC Part 15 C Section 15.247 (d)					
Test Method:	ANSI C63.10:2013 and KDB558074					
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.					
Test setup:						
	Spectrum Analyzer					
	E.U.T					
	Non-Conducted Table					
	Ground Reference Plane					
Test Instruments:	Refer to section 5.8 for details					
Test mode:	Refer to section 5.3 for details					
Test results:	Passed					









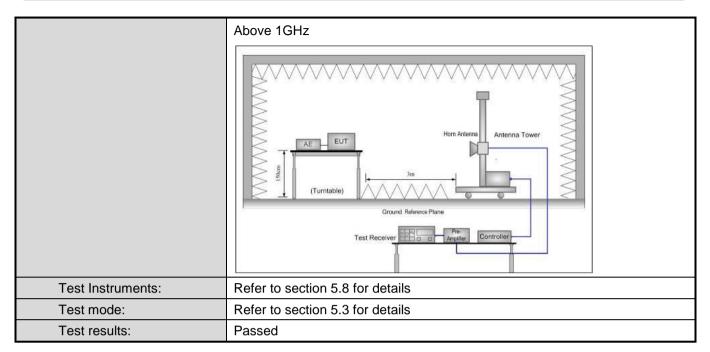


6.6.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209 and 15.205						
Test Method:	ANSI C63.10: 2013 and KDB 558074						
Test Frequency Range:	960MHz to 1.240GHz						
Test site:	Measurement Distance: 3m						
Receiver setup:	Frequency	Detecto	r	RBW	VB	W	Remark
rtocorror cotap:	960MHz-1GHz	Quasi-pea		120kHz	300kHz		Quasi-peak Value
	Above 1GHz	Peak		1MHz	3MHz		Peak Value
	Above 1GHZ	RMS		1MHz	3M	Hz	Average Value
Limit:	Frequency		Limit	(dBuV/m @:	V/m @3m) Remark		
	960MHz-1GH	-lz		54.00			uasi-peak Value
	Above 1GH	z		54.00			Average Value
			. 41	74.00	4: 4 l	-1- 0 0	Peak Value
Test Procedure:	 The EUT was placed on the top of a rotating table 0.8m(below 1GHz) /1.5m(above 1GHz) above the groundat a 3 meter chamber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, whichwas mounted on the top of a variable-height antenna tower. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. For each suspected emission, the EUT was arranged to its worst case and thenthe antenna was tuned to heights from 1 meter to 4 meters and the rotatablewas turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and SpecifiedBandwidth with Maximum Hold Mode. If the emission level of the EUT in peak mode was 10dB lower than the limitspecified, then testing could be stopped and the peak values of the EUT wouldbe reported. Otherwise the emissions that did not have 10dB margin would bere-tested one by one using peak, quasi-peak or 					e-receiving height antenna meters above the strength. Both re set to make the to its worst case ter to 4 meters and es to find the action and add lower than the peak values of the did not have 10dB	
Test setup:	Below 1GHz EUT Tur Tab	n 0.8m	Im Im			_	



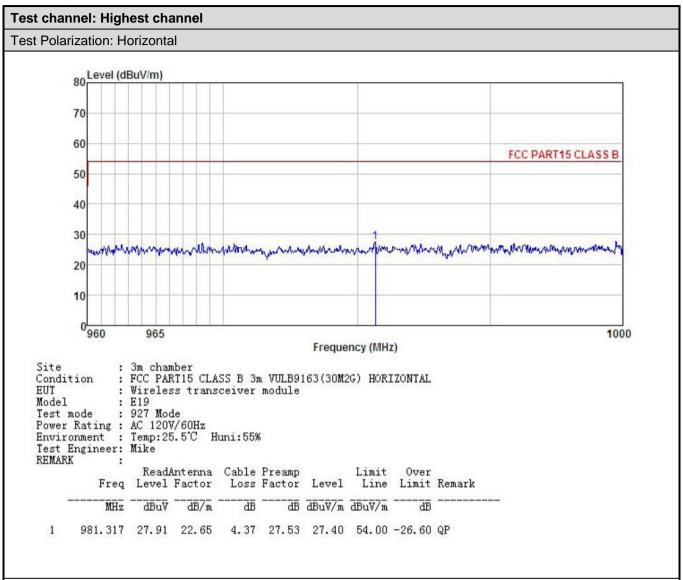








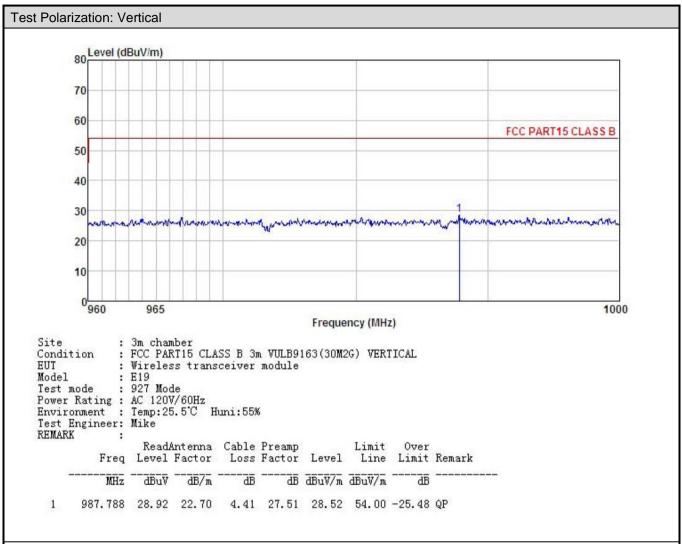
Below 1GHz:



Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.





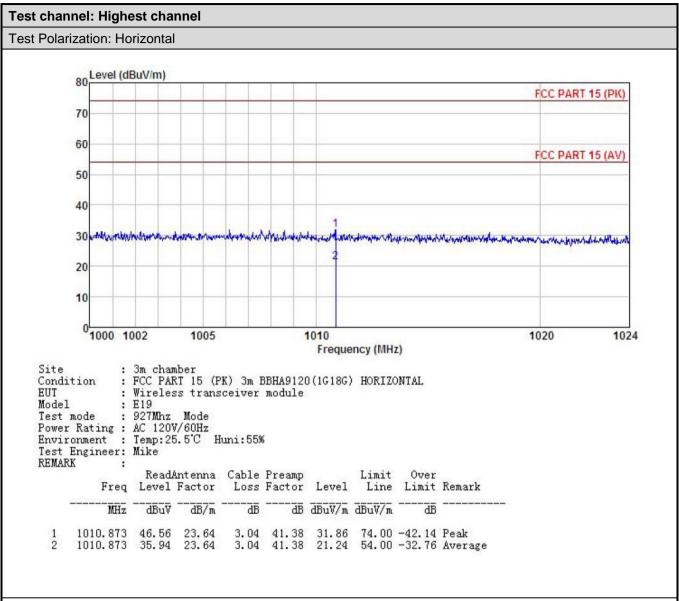
Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.





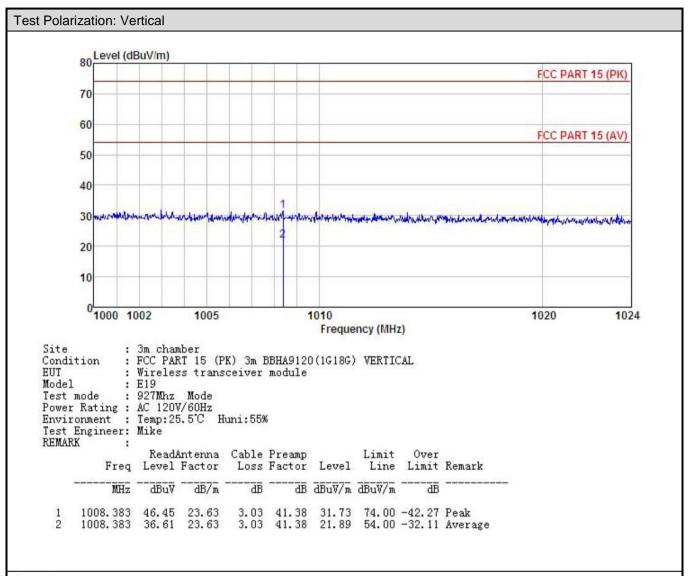
Above 1GHz:



Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.





Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

2. The emission levels of other frequencies are very lower than the limit and not show in test report.



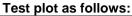
6.7 Spurious Emission

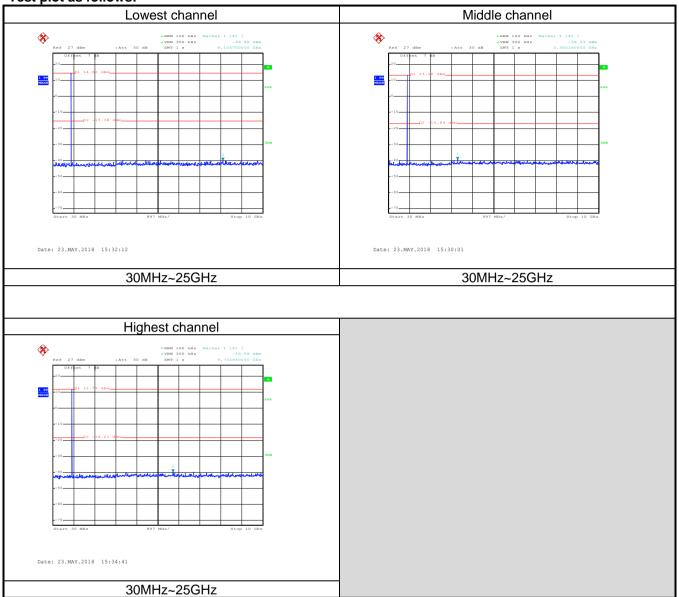
6.7.1 Conducted Emission Method

The second difference of the second difference	1 Conducted Enfocient Metrica					
Test Requirement:	FCC Part 15 C Section 15.247 (d)					
Test Method:	ANSI C63.10:2013 and KDB558074					
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.					
Test setup:	· ·					
Test Instruments:	Refer to section 5.8 for details					
Test mode:	Refer to section 5.3 for details					
Test results:	Passed					











6.7.2 Radiated Emission Method

0.7.2 Nadiated Ellission	6.7.2 Radiated Emission Method						
Test Requirement:	FCC Part 15 C Section 15.209 and 15.205						
Test Method:	ANSI C63.10:2013						
Test Frequency Range:	9kHz to 25GHz						
Test Distance:	3m						
Receiver setup:	Frequency	Detect	or	RBW	VB	3W	Remark
	30MHz-1GHz	Quasi-p		120KHz	3001		Quasi-peak Value
	Above 1GHz	Peak		1MHz	3M		Peak Value
Limite	Fraguana	RMS		1MHz	3M	HZ	Average Value
Limit:	Frequency 30MHz-88M		LII	mit (dBuV/m @ 40.0	23111)		Remark Quasi-peak Value
	88MHz-216M			43.5			Quasi-peak Value
	216MHz-960M	1		46.0			Quasi-peak Value
	960MHz-1G			54.0			luasi-peak Value
	Above 401			54.0			Average Value
	Above 1GF			74.0			Peak Value
Test Procedure:	 The EUT was placed on the top of a rotating table 0.8m(below 1GHz)/1.5m(above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quasipeak or average method as specified and then reported in a data 						
Test setup:	Below 1GHz Antenna Tower Search Antenna RF Test Receiver Ground Plane Above 1GHz						

Shenzhen Zhongjian Nanfang Testing Co., Ltd.
No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China
Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366





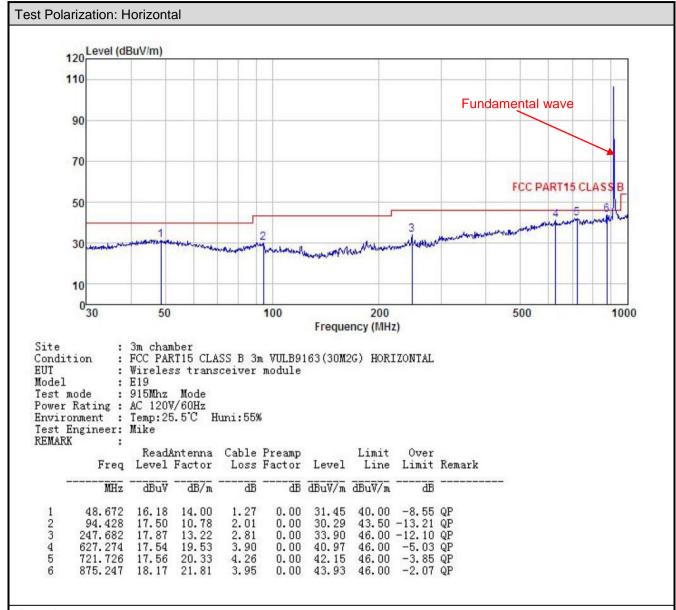
	Horn Antenna Tower Age EUT
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	 Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case. 9 kHz to 30MHz is too low, so only shows the data of above 30MHz in this report.





Measurement Data (worst case):

Below 1GHz:

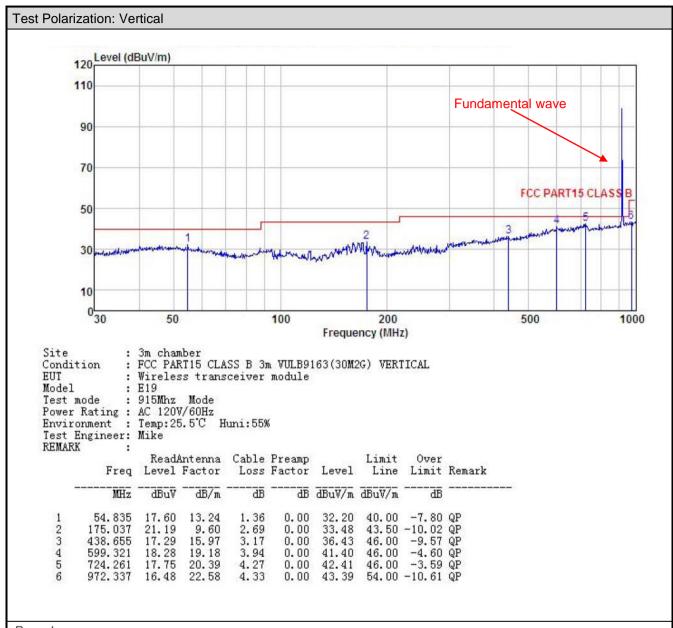


Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

2. The emission levels of other frequencies are very lower than the limit and not show in test report.





Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.





Above 1GHz:

Above 1GHZ	•							
	Test channel: Lowest channel							
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)			Polarization
1806.00	61.01	25.05	4.13	41.25	48.94	74.00	-25.06	Vertical
2709.00	52.35	26.35	5.07	41.74	42.03	74.00	-31.97	Vertical
3612.00	48.43	27.72	5.92	41.58	40.49	74.00	-33.51	Vertical
4515.00	45.31	29.47	6.84	42.08	39.54	74.00	-34.46	Vertical
5418.00	48.90	30.54	7.16	41.85	44.75	74.00	-29.25	Vertical
1806.00	63.57	25.10	4.12	41.21	51.58	74.00	-22.42	Horizontal
2709.00	58.62	26.35	5.07	41.74	48.30	74.00	-25.70	Horizontal
3612.00	55.76	27.72	5.92	41.58	47.82	74.00	-26.18	Horizontal
4515.00	45.06	29.47	6.84	42.08	39.29	74.00	-34.71	Horizontal
5418.00	49.49	30.54	7.18	41.85	45.36	74.00	-28.64	Horizontal





Test channel: Middle channel												
Detector: Peak Value												
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization				
1830.00	61.01	25.05	4.13	41.25	48.94	74.00	-25.06	Vertical				
2745.00	52.35	26.35	5.07	41.74	42.03	74.00	-31.97	Vertical				
3660.00	48.43	27.72	5.92	41.58	40.49	74.00	-33.51	Vertical				
4575.00	45.31	29.47	6.84	42.08	39.54	74.00	-34.46	Vertical				
5490.00	48.90	30.54	7.16	41.85	44.75	74.00	-29.25	Vertical				
1830.00	62.39	25.10	4.12	41.21	50.40	74.00	-23.60	Horizontal				
2745.00	60.81	26.35	5.07	41.74	50.49	74.00	-23.51	Horizontal				
3660.00	49.11	27.72	5.92	41.58	41.17	74.00	-32.83	Horizontal				
4575.00	45.83	29.47	6.84	42.08	40.06	74.00	-33.94	Horizontal				
5490.00	48.71	30.54	7.18	41.85	44.58	74.00	-29.42	Horizontal				





Test channel: Highest channel												
Detector: Peak Value												
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization				
1854.00	53.64	24.95	4.17	41.31	41.45	74.00	-32.55	Vertical				
2781.00	54.40	26.50	5.10	41.70	44.30	74.00	-29.70	Vertical				
3708.00	46.85	27.84	5.98	41.66	39.01	74.00	-34.99	Vertical				
4635.00	45.91	29.90	6.89	42.12	40.58	74.00	-33.42	Vertical				
5562.00	43.79	30.50	7.24	41.81	39.72	74.00	-34.28	Vertical				
1854.00	57.42	24.95	4.17	41.31	45.23	74.00	-28.77	Horizontal				
2781.00	59.78	26.50	5.10	41.70	49.68	74.00	-24.32	Horizontal				
3708.00	56.42	27.84	5.98	41.66	48.58	74.00	-25.42	Horizontal				
4635.00	45.72	29.90	6.89	42.12	40.39	74.00	-33.61	Horizontal				
5562.00	44.71	30.50	7.24	41.81	40.64	74.00	-33.36	Horizontal				

Remark:

^{1.} Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

^{2.} The emission levels of other frequencies are very lower than the limit and not show in test report.