

FCC Part 15B Test Report FCC ID:2AFJI-B4L0TI

Applicant:	QUANTUM CREATIONS, LLC			
Address:	15705 NW 13th Ave Miami Gardens, FL 33169, United States			
Manufacturer:	QUTHC Limited			
Address:	7th Floor, Building C, Longsheng Industrial Park, No.11 of Qiuchang Xihu Village, Huiyang District, Huizhou City, Guangdong province (516211) P.R.China			
EUT:	Byte4 Elite/ Emerald			
Trade Mark:	AZULLE/Simply NUC/Raydiant			
Model Number:	BT7003 BT5003, BT3003, NUC11EMi3, NUC11EMi5, NUC11EMi7			
Date of Receipt:	Mar. 01, 2023			
Test Date:	Mar. 01, 2023 – Mar. 07, 2023			
Date of Report:	Mar. 07, 2023			
Prepared By:	Shenzhen DL Testing Technology Co., Ltd.			
Address:	101-201, Building C, Shuanghuan, No.8, Baoqing Road, Baolong Industrial Zone, Baolong Street, Longgang District, Shenzhen, Guangdong, China			
Applicable Standards:	FCC PART 15 B ANSI C63.4:2014			
Test Result:	Pass			
Report Number:	DL-20230307025E			
Prepared (Test Eng				
Reviewer (Supervis				
Approved (Manager	r): Jade Yang			

This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Shenzhen DL Testing Technology Co., Ltd.



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1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 , Subpart B						
Standard Section	Test Item	Judgment	Remark			
15.107	Conducted Emission	PASS				
15.109	Radiated Emission	PASS				

NOTE:

- (1)" N/A" denotes test is not applicable in this Test Report
- (2) the The internal module of the product has obtained FCC ID certification, and the FCC ID number is: PD9AX201D2.

1.1 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2 providing a level of confidence of approximately 95 % °

No.	Item	Uncertainty	
1	Conducted Emission Test	±2.56dB	
2	RF power,conducted	±0.42dB	
3	Spurious emissions, conducted	±2.76dB	
4	All emissions,radiated(30MHz-1G)	±3.65dB	
5	All emissions,radiated(9kHz-30MHz)	±3.66dB	
6	All emissions,radiated(>1G)	±4.89dB	
7	Temperature	±0.5°C	
8	Humidity	±2%	



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Product Name:	Byte4 Elite/ Emerald		
Trademark AZULLE/Simply NUC/Raydiant			
Model No.: BT7003 BT5003, BT3003, NUC11EMi3, NUC11EMi5, NUC11EMi7			
Model Difference All the models are electrical identical including the same software parameter hardware design (circuit design, PCB Layout, RF module/circuit, antenna ty and antenna location, components on PCB,) the only difference is the mod name, Shell top pattern			
Max Operation Frequency	5.8GHz		
Antenna Type:	External antenna*2		
Antenna gain:	2dBi		
	MIMO Gain=2dBi+10log(2)=5.01dBi		
Power supply:	DC 19V from adapter		
	Model: FJ-SW20171903000		
Adapter:	Input: AC 100-240V 50/60Hz		
	Output: DC 19.0V 3.0A 57.0W		

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2. The EUT's all information provided by client.



2.2 DESCRIPTION OF TEST MODES

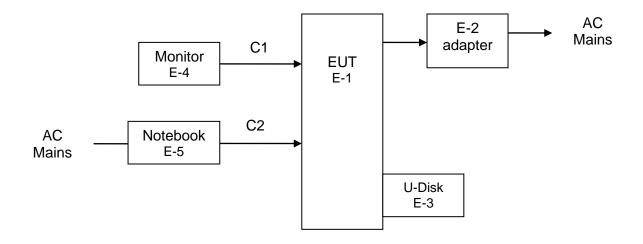
To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

For conducted Emission				
Final test Mode				
Mode 1	System running			

For Radiated Emission				
Final test Mode				
Mode 1	System running			

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Emission Test





2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Model/Type No.	Series No.	Note
E-1	Byte4 Elite/ Emerald	BT7003	N/A	EUT
E-2	adapter	FJ-SW20171903000	N/A	Provide by client.
E-3	U-disk(kingston)	18g	N/A	Provide by Lab
E-4	Monitor(Changhong)	32D3F	N/A	Provide by Lab
E-5	Notebook(LENOVO)	310S-14AST	N/A	Provide by Lab

Item	Shielded Type	Ferrite Core	Length	Note
C1	No	No	1.5m	HDMI line
C2	No	No	1.2m	RJ45

Note:

(1) For detachable type I/O cable should be specified the length in cm in ^rLength ^a column.



2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation test, Band-edge test and 6db bandwidth test equipment

Item	Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
1	Spectrum Analyzer (9kHz-26.5GHz)	Agilent	E4408B	MY50140780	Nov. 05, 2022	Nov. 04, 2023
2	Test Receiver (9kHz-7GHz)	R&S	ESRP7	101393	Nov. 05, 2022	Nov. 04, 2023
3	Bilog Antenna (30MHz-1GHz)	R&S	VULB9162	00306	Nov. 05, 2022	Nov. 04, 2023
4	Horn Antenna (1GHz-18GHz)	Schwarzbeck	BBHA9120D	02139	Nov. 05, 2022	Nov. 04, 2023
5	Horn Antenna (18GHz-40GHz)	A.H. Systems	SAS-574	588	Nov. 05, 2022	Nov. 04, 2023
6	Amplifier (9KHz-6GHz)	Schwarzbeck	BBV9743B	00153	Nov. 05, 2022	Nov. 04, 2023
7	Amplifier (1GHz-18GHz)	EMEC	EM01G8GA	00270	Nov. 05, 2022	Nov. 04, 2023
8	Amplifier (18GHz-40GHz)	Quanjuda	DLE-161	97	Nov. 05, 2022	Nov. 04, 2023
9	Loop Antenna (9KHz-30MHz)	Schwarzbeck	FMZB1519B	00014	Nov. 05, 2022	Nov. 04, 2023
10	RF cables1 (9kHz-1GHz)	ChengYu	966	004	Nov. 05, 2022	Nov. 04, 2023
11	RF cables2 (1GHz-40GHz)	ChengYu	966	003	Nov. 05, 2022	Nov. 04, 2023
12	Antenna connector	Florida RF Labs	N/A	RF 01#	Nov. 05, 2022	Nov. 04, 2023
13	Power probe	KEYSIGHT	U2021XA	MY55210018	Nov. 05, 2022	Nov. 04, 2023
14	Signal Analyzer 9kHz-26.5GHz	Agilent	N9020A	MY55370280	Nov. 05, 2022	Nov. 04, 2023
15	Test Receiver 20kHz-40GHz	R&S	ESU 40	100376	Nov. 05, 2022	Nov. 04, 2023
16	D.C. Power Supply	LongWei	PS-305D	010964729	Nov. 05, 2022	Nov. 04, 2023

Conduction Test equipment

Item	Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	
1	843 Shielded Room	ChengYu	843 Room	843	Sep. 20, 2022	Sep. 19, 2025	
2	EMI Receiver	R&S	ESR	101421	Nov. 05, 2022	Nov. 04, 2023	
3	LISN	R&S	ENV216	102417	Nov. 05, 2022	Nov. 04, 2023	
4	843 Cable 1#	ChengYu	CE Cable	001	Nov. 05, 2022	Nov. 04, 2023	

Other

Item	Name	Manufacturer	Model	Software version
1	EMC Conduction Test System	FALA	EZ_EMC	EMC-CON 3A1.1
2	EMC radiation test system	FALA	EZ_EMC	FA-03A2
3	RF test system	MAIWEI	MTS8310	2.0.0.0
4	RF communication test system	MAIWEI	MTS8200	2.0.0.0



3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION Limits

(Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Limit (dE	Standard	
	Quasi-peak	Average	Stanuaru
0.15 -0.5	66 - 56 *	56 - 46 *	FCC
0.5 -5.0	56.00	46.00	FCC
5.0 -30.0	60.00	50.00	FCC

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting			
Attenuation	10 dB			
Start Frequency	0.15 MHz			
Stop Frequency	30 MHz			
IF Bandwidth	9 kHz			

3.1.2 TEST PROCEDURE

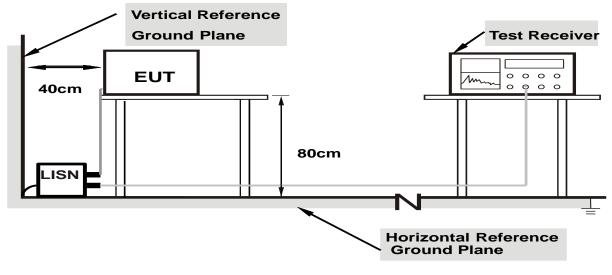
- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

3.1.3 DEVIATION FROM TEST STANDARD

No deviation



3.1.4 TEST SETUP



Note: 1.Support units were connected to second LISN. 2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

We pretest AC 120V and AC 230V, the worst voltage was AC 120V and the data recording in the report.

3.1.6 TEST RESULTS



	erature:	25 ℃			F	Relative Humidity:			54%	
Pressu	ure:	1010hPa			F	Phase :			L	
Test V	/oltage :	AC 120	V/60Hz		Т	Test Mode: Mode 1				
80.0 Г	dBuV									
70										
ŀ									FCC part15 CE-Class_B QP	
60 -										
50									FCC part15 CE-Class_B AV	
40	Man.							+		Ur peal
30	3 my	3								
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0				L. M				+		
-10										
-20										11
0.1	150	0.5	500		(MHz)		5.0	00		30.000
			500		(MHz)		5.0	00		30.000
Rema	rk:			 r = Cable					evel= Reading + Corre	
Rema	rk:			r = Cable					evel= Reading + Corre	
Rema	rk: n = Limit – Le	evel, Corre	ect Factor		lose + Ll	SN inse	ertion lo		evel= Reading + Corre	
Rema	rk:			r = Cable			ertion lo		evel= Reading + Corre	
Rema Margir	rk: n = Limit – Le Frequency	evel, Corre	ect Factor	Level	lose + Lls	SN inse	ertion lo	<u>ss, L</u>		
Rema <u>Margir</u> No.	rk: n = Limit – Le Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	SN inse Margin (dB)	Detector	<u>ss, L</u> P/F		
Rema <u>Margir</u> No.	rk: n = Limit – Le Frequency (MHz) 0.163500	Reading (dBuV) 33.13	Factor (dB) 10.22	Level (dBuV) 43.35 28.71 28.98	Limit (dBuV) 65.28 55.28 57.27	Margin (dB) -21.93 -26.57 -28.29	Detector QP AVG QP	SS, L P/F P P		
Rema Margir No. 1 2 3 4	rk: n = Limit – Le Frequency (MHz) 0.163500 0.163500 0.429000 0.429000	Reading (dBuV) 33.13 18.49 19.83 4.10	Factor (dB) 10.22 9.15 9.15	Level (dBuV) 43.35 28.71 28.98 13.25	Limit (dBuV) 65.28 55.28 57.27 47.27	Margin (dB) -21.93 -26.57 -28.29 -34.02	Detector QP AVG QP AVG	ss, L P/F P		
Rema Margir No. 1 2 3	rk: n = Limit – Le Frequency (MHz) 0.163500 0.163500 0.429000 0.429000 1.041000	Reading (dBuV) 33.13 18.49 19.83 4.10 15.57	Factor (dB) 10.22 9.15 9.30	Level (dBuV) 43.35 28.71 28.98 13.25 24.87	Limit (dBuV) 65.28 55.28 57.27 47.27 56.00	Margin (dB) -21.93 -26.57 -28.29 -34.02 -31.13	Detector QP AVG QP AVG QP	ss, L P/F P P P P		
Rema Margir No. 1 2 3 4 5 6	rk: n = Limit – Le Frequency (MHz) 0.163500 0.163500 0.429000 0.429000 1.041000 1.041000	Reading (dBuV) 33.13 18.49 19.83 4.10 15.57 -5.39	Factor (dB) 10.22 9.15 9.30 9.30	Level (dBuV) 43.35 28.71 28.98 13.25 24.87 3.91	Limit (dBuV) 65.28 55.28 57.27 47.27 56.00 46.00	Margin (dB) -21.93 -26.57 -28.29 -34.02 -31.13 -42.09	Detector QP AVG QP AVG QP AVG QP AVG	SS, L		
Rema Margir No. 1 2 3 4 5	rk: n = Limit – Le Frequency (MHz) 0.163500 0.429000 0.429000 1.041000 1.041000 3.471000	Reading (dBuV) 33.13 18.49 19.83 4.10 15.57 -5.39 16.64	Factor (dB) 10.22 9.15 9.15 9.30 9.30 9.06	Level (dBuV) 43.35 28.71 28.98 13.25 24.87 3.91 25.70	Limit (dBuV) 65.28 55.28 57.27 47.27 56.00 46.00 56.00	Margin (dB) -21.93 -26.57 -28.29 -34.02 -31.13 -42.09 -30.30	Detector QP AVG QP AVG QP AVG QP	ss, L P/F P P P P		
Rema Margir No. 1 2 3 4 5 6	rk: n = Limit – Le Frequency (MHz) 0.163500 0.429000 0.429000 1.041000 1.041000 3.471000 3.471000	Reading (dBuV) 33.13 18.49 19.83 4.10 15.57 -5.39 16.64 -3.76	Factor (dB) 10.22 9.15 9.30 9.30 9.06 9.06	Level (dBuV) 43.35 28.71 28.98 13.25 24.87 3.91 25.70 5.30	Limit (dBuV) 65.28 55.28 57.27 47.27 56.00 46.00 56.00 46.00	Margin (dB) -21.93 -26.57 -28.29 -34.02 -31.13 -42.09 -30.30 -40.70	Detector QP AVG QP AVG QP AVG QP AVG QP AVG	SS, L		
Rema Margin No. 1 2 3 4 5 6 7	rk: n = Limit – Le Frequency (MHz) 0.163500 0.429000 0.429000 1.041000 1.041000 3.471000 3.471000 15.940500	Reading (dBuV) 33.13 18.49 19.83 4.10 15.57 -5.39 16.64 -3.76 13.29	Factor (dB) 10.22 9.15 9.30 9.30 9.06 9.06 10.18	Level (dBuV) 43.35 28.71 28.98 13.25 24.87 3.91 25.70 5.30 23.47	Limit (dBuV) 65.28 55.28 57.27 47.27 56.00 46.00 56.00 46.00 60.00	Margin (dB) -21.93 -26.57 -28.29 -34.02 -31.13 -42.09 -30.30 -40.70 -36.53	Detector QP AVG QP AVG QP AVG QP AVG QP AVG QP	P/F P P P P P P		
Rema <u>Margir</u> No. 1 2 3 4 5 6 7 8 9 10	rk: n = Limit – Le Frequency (MHz) 0.163500 0.429000 0.429000 1.041000 1.041000 3.471000 3.471000 15.940500 15.940500	Reading (dBuV) 33.13 18.49 19.83 4.10 15.57 -5.39 16.64 -3.76	Factor (dB) 10.22 9.15 9.30 9.30 9.06 9.06	Level (dBuV) 43.35 28.71 28.98 13.25 24.87 3.91 25.70 5.30	Limit (dBuV) 65.28 55.28 57.27 47.27 56.00 46.00 56.00 46.00	Margin (dB) -21.93 -26.57 -28.29 -34.02 -31.13 -42.09 -30.30 -40.70	Detector QP AVG QP AVG QP AVG QP AVG QP AVG QP	P/F P P P P P P P P		
Rema Margir No. 1 2 3 4 5 6 7 8 9	rk: n = Limit – Le Frequency (MHz) 0.163500 0.429000 0.429000 1.041000 1.041000 3.471000 3.471000 15.940500 15.940500	Reading (dBuV) 33.13 18.49 19.83 4.10 15.57 -5.39 16.64 -3.76 13.29	Factor (dB) 10.22 9.15 9.30 9.30 9.06 9.06 10.18	Level (dBuV) 43.35 28.71 28.98 13.25 24.87 3.91 25.70 5.30 23.47	Limit (dBuV) 65.28 55.28 57.27 47.27 56.00 46.00 56.00 46.00 60.00	Margin (dB) -21.93 -26.57 -28.29 -34.02 -31.13 -42.09 -30.30 -40.70 -36.53	Detector QP AVG QP AVG QP AVG QP AVG QP AVG QP	P/F P P P P P P P P P		



Tempe	rature:	25 ℃			F	Relative Humidity:			54%	
Pressu	re:	e: 1010hPa			F	Phase :			Ν	
Test Vo	oltage :	AC 120V	//60Hz		Т	Test Mode: Mode 1			Mode 1	
80.0	dBu¥									
70										
60									FCC part15 CE-Class_B QP	
50									FOC part15 CE-Class_B AV	
	M									
40	V 143									peak
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-10										
-20	150		500		(MHz)		51	000	30.00	0
Dama	-l									
Remai				Ochia	1	ONI :				
Margir	1 = LIMIT - Le	evel, Corre	ect Factor	r = Cable	IOSE + LI	SIN INSE	ertion io	SS, L	evel= Reading + Correct fac	ctor
	_				1					
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark	
1 *	0.150000	36.73	10.35	47.08	66.00	-18.92	QP	Р		
2	0.150000	17.51	10.35	27.86	56.00	-28.14	AVG	P		
3	0.240000	26.03	8.94	34.97	62.10	-27.13	QP	P		-
4	0.240000	7.77	8.94	16.71	52.10	-35.39	AVG	P		\neg
5	0.438000	18.48	9.29	27.77	57.10	-29.33	QP	P		\neg
6	0.438000	4.69	9.29	13.98	47.10	-33.12	AVG	P		\neg
7	3.345000	11.74	9.82	21.56	56.00	-34.44	QP	P		\neg
8	3.345000	-3.03	9.82	6.79	46.00	-39.21	AVG	Р		\neg
9	11.769000	14.09	10.14	24.23	60.00	-35.77	QP	Р		
10	11.769000	0.56	10.14	10.70	50.00	-39.30	AVG	Р		
11	29.607000	27.49	10.98	38.47	60.00	-21.53	QP	Р		
12	29.607000	16.61	10.98	27.59	50.00	-22.41	AVG	Р		
-										



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS (Frequency Range 30MHz-1000MHz)

In case the emission fall within the restricted band specified on the 15.109 limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Limit (dBuV/m) (at 3M)			
	PEAK	AVERAGE		
Above 1000	74	54		

Notes:

(1) The limit for radiated test was performed according to FCC PART 15B.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

Spectrum Parameter	Setting			
Attenuation	Auto			
Start Frequency	1000 MHz			
Stop Frequency	6GHz			
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average			

Receiver Parameter	Setting		
Attenuation	Auto		
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP		
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP		
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP		

3.2.2 TEST PROCEDURE

Below 1GHz test procedure as below:

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.



Shenzhen DL Testing Technology Co., Ltd.

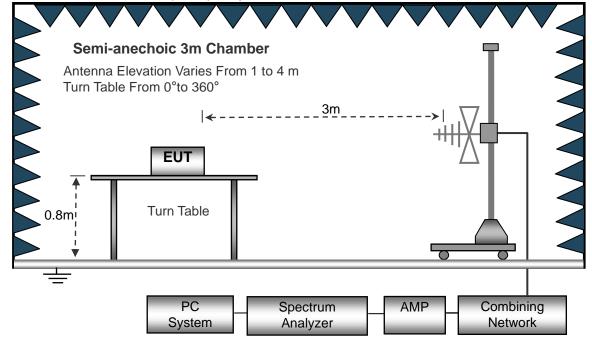
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB 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 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

3.2.3 DEVIATION FROM TEST STANDARD

No deviation

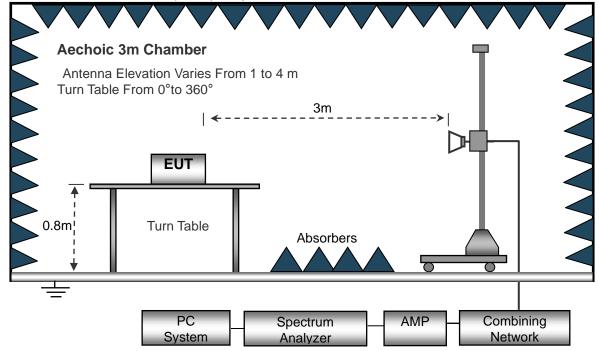
3.2.4 TEST SETUP

(A) Radiated Emission Test-Up Frequency 30MHz~1GHz





(B) Radiated Emission Test-Up Frequency Above 1GHz

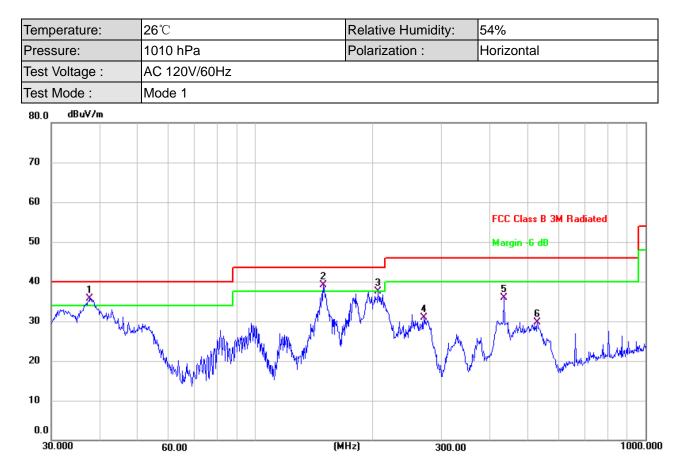


3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.



3.2.6 TEST RESULTS (Between 30MHz - 1GHz)



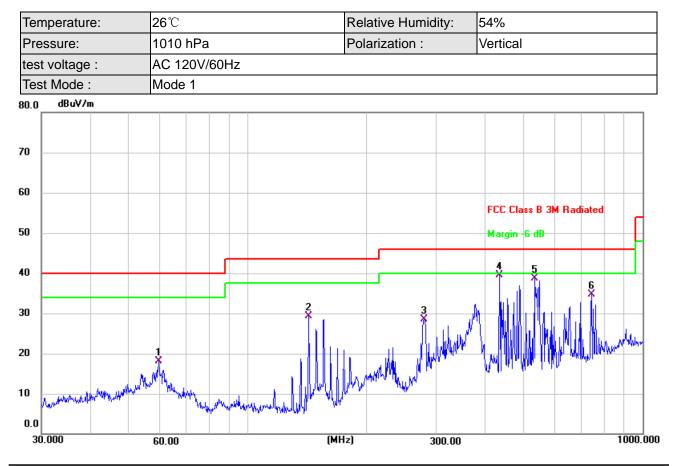
No. Mł	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
	MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1 *	37.5479	48.75	-13.14	35.61	40.00	-4.39	QP
2 !	149.4857	55.56	-16.48	39.08	43.50	-4.42	QP
3	206.3976	50.16	-12.74	37.42	43.50	-6.08	QP
4	270.3748	41.38	-10.40	30.98	46.00	-15.02	QP
5	434.0651	43.34	-7.46	35.88	46.00	-10.12	QP
6	528.2458	35.24	-5.53	29.71	46.00	-16.29	QP

Remark:

Correct Factor = Cable loss + Antenna factor – Preamplifier;

Level = Reading Level + Correct Factor; Margin = Limit – Level;





No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		59.4405	29.28	-11.18	18.10	40.00	-21.90	QP
2	1	142.8243	45.44	-16.17	29.27	43.50	-14.23	QP
3	2	279.0436	39.68	-11.14	28.54	46.00	-17.46	QP
4	* 4	134.0651	47.83	-8.42	39.41	46.00	-6.59	QP
5	5	533.8321	45.12	-6.40	38.72	46.00	-7.28	QP
6	7	742.2587	37.87	-3.13	34.74	46.00	-11.26	QP

Remark:

Correct Factor = Cable loss + Antenna factor – Preamplifier;

Level = Reading Level + Correct Factor; Margin = Limit – Level;



3.2.7 TEST RESULTS (1GHz~40GHz)

Temperature:	26 ℃	Relative Humidity:	54%		
Pressure:	1010 hPa	Polarization :	Vertical		
test voltage :	AC 120V/60Hz				
Test Mode :	Mode 1				
90.0 dBuV/m					



No.	M٢	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1185.000	55.20	-12.12	43.08	74.00	-30.92	peak
2		2025.000	52.44	-8.36	44.08	74.00	-29.92	peak
3		2535.000	51.27	-7.79	43.48	74.00	-30.52	peak
4		3345.000	53.29	-6.48	46.81	74.00	-27.19	peak
5	*	4000.000	54.55	-7.29	47.26	74.00	-26.74	peak
6		4940.000	52.47	-5.63	46.84	74.00	-27.16	peak

Remark:

Correct Factor = Cable loss + Antenna factor - Preamplifier;

Level = Reading Level + Correct Factor; Margin = Limit – Level;

If peak's level below the average's limit, no average's emission recording.

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



Temperature:		26 ℃	26 ℃			Relative Humidity:		54%			
Pressu	ure:	1010	1010 hPa			Polarization :		Horizontal			
Test V	oltage :	AC 1	AC 120V/60Hz								
Test N	lode :	Mode	e1								
90.0	dBuV/m										
80											
									FCC Abov	e 1G PK	
70											
60											
									FCC Above 1G AV		
50					4		5		6 X		
40	month	the office of the second second	2 martin	. Avy www.	hand	morphistor	wythre	water and water and a	south and the second second	Wimmer	
30											
20											
20											
10.0											

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	1	395.000	55.10	-11.33	43.77	74.00	-30.23	peak
2	2	2035.000	51.86	-8.36	43.50	74.00	-30.50	peak
3	2	2565.000	51.63	-7.70	43.93	74.00	-30.07	peak
4	* 3	345.000	54.29	-6.48	47.81	74.00	-26.19	peak
5	Z	215.000	53.99	-6.90	47.09	74.00	-26.91	peak
6	5	5090.000	52.97	-5.47	47.50	74.00	-26.50	peak

Remark:

Correct Factor = Cable loss + Antenna factor - Preamplifier;

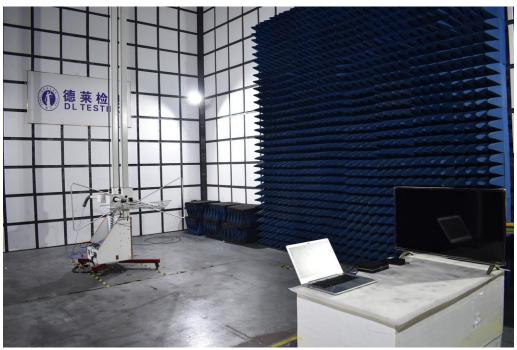
Level = Reading Level + Correct Factor; Margin = Limit – Level;

If peak's level below the average's limit, no average's emission recording.

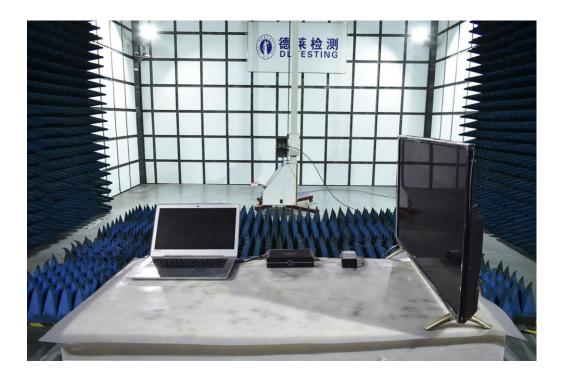
The emission levels of other frequencies are very lower than the limit and not show in test report.



4. TEST SEUUP PHOTO



Radiated Measurement Photos







Conducted Measurement Photos



5. EUT PHOTO









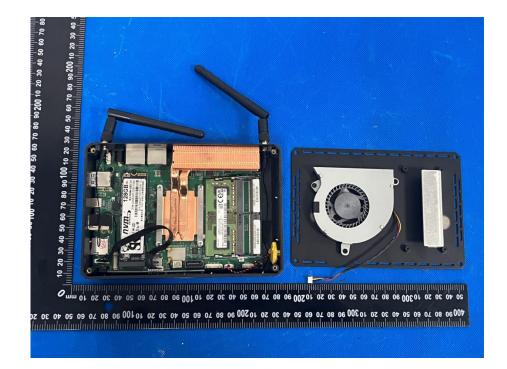












******** END OF REPORT *******