

TEST REPORT

Report No.: BCTC2410266215E

Applicant: HID China Limited

Product Name: CPU Face Reader

Test Model: FRN8100NCW

Tested Date: 2024-10-10 to 2024-10-22

Issued Date: 2024-10-23

Shenzhen BCTC Testing Co., Ltd.



No.: BCTC/RF-EMC-005 Page: 1 of 32 / / / Edition: B.2



FCC ID: 2AFZN-FRN8100NCW

Product Name: **CPU Face Reader**

Trademark: N/A

FRN8100NCW Model/Type reference: FRN8100

Prepared For: **HID China Limited**

2B1, Tianxiang Building, Tian'an Cyber Park, No. 12 Tairan Fifth Road, Tian'an Address:

Community, Shatou Street, Futian District, Shenzhen City.

Manufacturer: **HID China Limited**

2B1, Tianxiang Building, Tian'an Cyber Park, No. 12 Tairan Fifth Road, Tian'an Address:

Community, Shatou Street, Futian District, Shenzhen City.

Prepared By: Shenzhen BCTC Testing Co., Ltd.

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Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

2024-10-10 Sample Received Date:

Sample tested Date: 2024-10-10 to 2024-10-22

2024-10-23 Issue Date:

Report No .: BCTC2410266215E

FCC Part15.225 **Test Standards** ANSI C63.10-2013

Test Results PASS

Remark: This is NFC radio test report.

Tested by:

Brave Zeng/ Project Handler

Approved by:

Zero Zhou/Reviewer

Edition: B.2

The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen BCTC Testing Co., Ltd, this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client.

Page: 2 of 32 No.: BCTC/RF-EMC-005



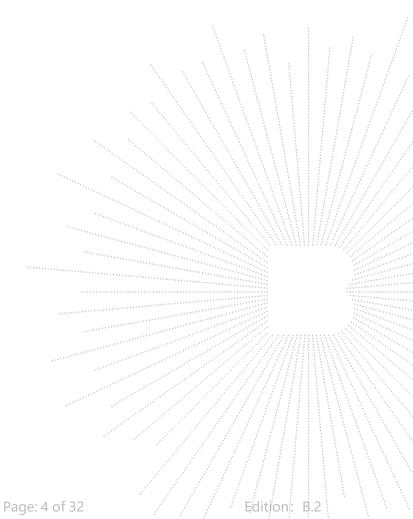
Table Of Content

Test	Report Declaration	Page	
1.	Version		5
2.	Test Summary		6
3.	Measurement Uncertainty		7
4.	Product Information And Test Setup	8	8
4.1	Product Information	8	8
4.2	Test Setup Configuration	8	8
4.3	Support Equipment	8	8
4.4	Channel List		
4.5	Test Mode	10	0
5.	Test Facility And Test Instrument Used	1 ⁻	1
5.1	Test Facility	1 ⁻	1
5.2	Test Instrument Used	1 ⁻	1
6.	Conducted Emissions	13	3
6.1	Block Diagram Of Test Setup	13	3
6.2	Limit	13	3
6.3	Test Procedure		
6.4	EUT operating Conditions	13	3
6.5	Test Result	.‡14	4
7.	Radiated Emissions		
7.1	Block Diagram Of Test Setup		6
7.2	Limit		
7.3	EUT Operating Conditions	18	8
7.4	Test Result		
8.	Radiated Band Emission Measurement	2	1
8.1	Block Diagram Of Test Setup	2	1
8.2	Limit	2	1
8.3	Test Procedure	2	2
8.4	Limit Test Procedure EUT Operating Conditions Test Result Bandwidth Test Block Diagram Of Test Setup Test Procedure	2	2
8.5	Test Result	2	3
9.	Bandwidth Test	2	4
9.1	Block Diagram Of Test Setup	2	4
9.2	Test Procedure	2	4
9.4	Test Result	2	5
10.	Test Result	20	ô
10.1	Block Diagram Of Test Setup	20	ô
10.2		20	6
10.3	Test Procedure	20	6
10.4	EUT Operating Conditions	20	ô
10.5	Test Result	2	7
11.	Antenna Requirement	28	8
11.1	Standard Requirement	28	8



11.2	EUT Antenna	28
	EUT Photographs	
	EUT Test Setup Photographs	

(Note: N/A Means Not Applicable)

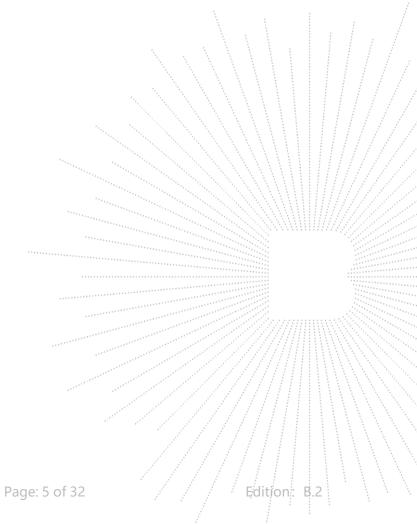


No.: BCTC/RF-EMC-005



1. Version

Report No.	Issue Date	Description	Approved
BCTC2410266215E	2024-10-23	Original	Valid



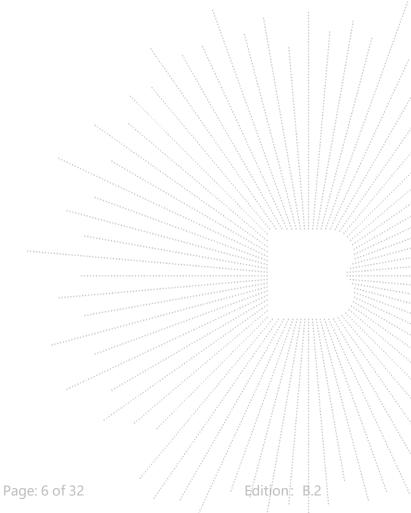
No.: BCTC/RF-EMC-005 Page: 5



2. Test Summary

The Product has been tested according to the following specifications:

No.	Test Parameter	Clause No.	Results
1	15.207	Conducted Emission	PASS
2	Part 15.209(a), 15.225(d)	Radiated Spurious Emission	PASS
3	15.215	Bandwidth	PASS
4	Part 15.209(a), 15.225(a)(b)(c)(d)	Band Edge Emission	PASS
5	Part 15.225(e)	Transmitter Frequency Stability (Temperature & Voltage Variation)	PASS
6	15.203	Antenna Requirement	PASS



No.: BCTC/RF-EMC-005 Page: 6 of 3



3. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

No.	Item	Uncertainty
1	3m chamber Radiated spurious emission(30MHz-1GHz)	U=4.3dB
2	3m chamber Radiated spurious emission(9KHz-30MHz)	U=3.7dB
3	3m chamber Radiated spurious emission(1GHz-18GHz)	U=4.5dB
4	3m chamber Radiated spurious emission(18GHz-40GHz)	U=3.34dB
5	Conducted Emission (150kHz-30MHz)	U=3.20dB
6	Conducted Adjacent channel power	U=1.38dB
7	Conducted output power uncertainty Above 1G	U=1.576dB
8	Conducted output power uncertainty below 1G	U=1.28dB
9	humidity uncertainty	U=5.3%
10	Temperature uncertainty	U=0.59℃

No.: BCTC/RF-EMC-005 Page: 7 of 32 / / Edition: B.2



4. Product Information And Test Setup

4.1 Product Information

Model/Type reference: FRN8100NCW FRN8100

Model differences:

All the model are the same circuit and RF module, except model names and

appearance of the color.

Hardware Version: N/A
Software Version: N/A

Operation Frequency: 13.56 MHz

Modulation Type: ASK
Number Of Channel 1 CH

Antenna installation: Internal Antenna

Antenna Gain: 0 dBi

Remark:

☐ The antenna gain of the product comes from the antenna report provided by the

customer, and the test data is affected by the customer information.

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is affected by the customer information.

Ratings: DC 12V from adapter

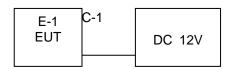
Adapter Information: MODEL: AS024M1-1202000D

INPUT: 100-240V~50/60Hz 0.8A OUTPUT: DC 12.0V 2.0A 24.0W

4.2 Test Setup Configuration

See test photographs attached in *EUT TEST SETUP PHOTOGRAPHS* for the actual connections between Product and support equipment.

Conducted & Radiated Spurious Emission



4.3 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	CPU Face Reader	N/A	FRN8100NCW	N/A	EUT
E-2	PC	Lenovo	ThinkPad S2		
E-3	Router	XiaoMi	R4A	3-2	

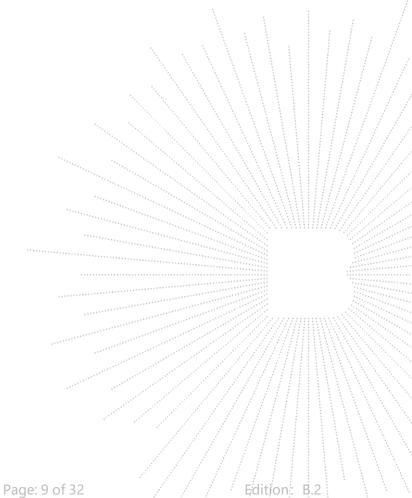
No.: BCTC/RF-EMC-005 Page: 8 of 32 / / / Edition: B.2



Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	1M	DC cable unshielded

Notes:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.



No.: BCTC/RF-EMC-005 Page: 9 of 3



4.4 Channel List

Chan	nel List
Channel	Frequency(MHz)
01	13.56

4.5 Test Mode

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.

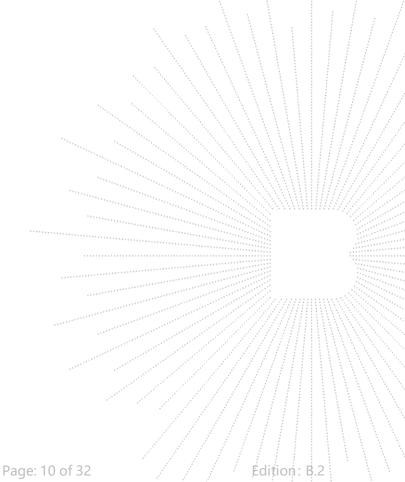
For All Mode	Description
Mode 1	TX Mode

Link mode(conducted emission and Radiated emission)		
Final Test Mode Description		
Mode 1	TX Mode	

Notes:

(1) The measurements are performed at the highest, middle, lowest available channels.

(2) Fully-charged battery is used during the test.



No.: BCTC/RF-EMC-005 Page: 10 of 3



5. **Test Facility And Test Instrument Used**

Test Facility 5.1

All measurement facilities used to collect the measurement data are located at Shenzhen BCTC Testing Co., Ltd. Address: 1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.

FCC Test Firm Registration Number: 712850 A2LA certificate registration number is: CN1212 ISED Registered No.: 23583

ISED CAB identifier: CN0017

5.2 Test Instrument Used

Conducted Emissions Test						
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.	
Receiver	R&S	ESR3	102075	May 16, 2024	May 15, 2025	
LISN	R&S	ENV216	101375	May 16, 2024	May 15, 2025	
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\	
Pulse limiter	Schwarzbeck	VTSD9561-F	01323	May 16, 2024	May 15, 2025	

	RF Conducted Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.	
Power meter	Keysight	E4419	\	May 16, 2024	May 15, 2025	
Power Sensor (AV)	Keysight	E9300A	\	May 16, 2024	May 15, 2025	
Signal Analyzer20kH z-26.5GHz	Keysight	N9020A	MY49100060	May 16, 2024	May 15, 2025	
Spectrum Analyzer9kHz- 40GHz	R&S	FSP40	100363	May 16, 2024	May 15, 2025	

Page: 11 of 32 No.: BCTC/RF-EMC-005 Edition: B.2



Radiated Emissions Test (966 Chamber01)						
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.	
966 chamber	ChengYu	966 Room	966	May 16, 2024	May 15, 2025	
Receiver	R&S	ESR3	102075	May 16, 2024	May 15, 2025	
Receiver	R&S	ESRP	101154	May 16, 2024	May 15, 2025	
Amplifier	Schwarzbeck	BBV9744	9744-0037	May 16, 2024	May 15, 2025	
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	942	May 21, 2024	May 20, 2025	
Loop Antenna(9KHz -30MHz)	Schwarzbeck	FMZB1519B	00014	May 21, 2024	May 20, 2025	
Amplifier	SKET	LAPA_01G18 G-45dB	SK202104090 1	May 16, 2024	May 15, 2025	
Horn Antenna	Schwarzbeck	BBHA9120D	1541	May 21, 2024	May 20, 2025	
Amplifier(18G Hz-40GHz)	MITEQ	TTA1840-35- HG	2034381	May 16, 2024	May 15, 2025	
Horn Antenna(18G Hz-40GHz)	Schwarzbeck	BBHA9170	00822	May 21, 2024	May 20, 2025	
Spectrum Analyzer9kHz- 40GHz	R&S	FSP40	100363	May 16, 2024	May 15, 2025	
Software	Frad	EZ-EMC	FA-03A2 RE	\	\	

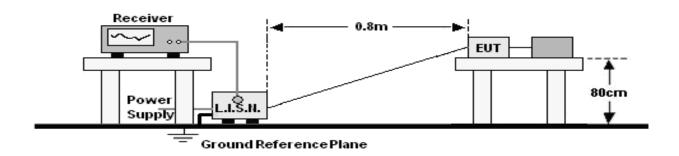
No.: BCTC/RF-EMC-005 Page: 12 of 32





6. Conducted Emissions

6.1 Block Diagram Of Test Setup



6.2 Limit

EDECLIENCY (MH-)	Limit (dBuV)		
FREQUENCY (MHz)	Quas-peak	Average	
0.15 -0.5	66 - 56 *	56 - 46 *	
0.50 -5.0	56.00	46.00	
5.0 -30.0	60.00	50.00	

Notes:

- 1. *Decreasing linearly with logarithm of frequency.
- 2. The lower limit shall apply at the transition frequencies.

6.3 Test Procedure

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

a. The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).

6.4 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.

No.: BCTC/RF-EMC-005 Page: 13 of 32 / / / Édițion: B.2

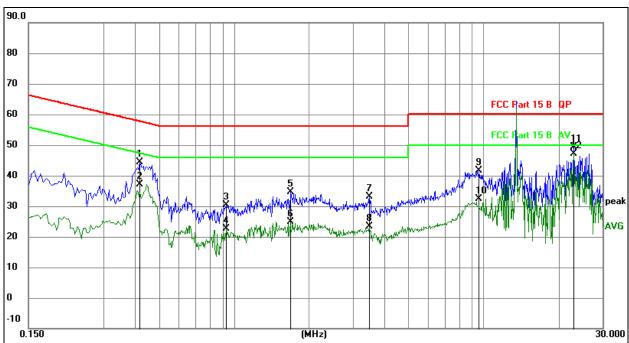
b. The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak and AVG detector in Max Hold mode. Run the receiver's pre-scan to record the maximum disturbance generated from Product in all power lines in the full band.

c. For each frequency whose maximum record was higher or close to limit, measure its QP and AVG values and record.



6.5 Test Result

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	L
Test Mode:	Mode 1	Remark:	N/A



Remark:

- All readings are Quasi-Peak and Average values.
 Factor = Insertion Loss + Cable Loss.
 Measurement=Reading Level+ Correct Factor

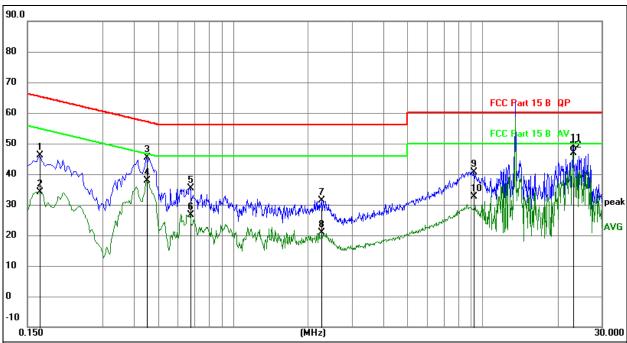
- 4. Over=Measurement-Limit

	modean	Jillolle Ellille					4 4 4 4	
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz		dB	dBu∀	dBuV	dB	Detector
1		0.4192	24.36	20.08	44.44	57.46	-13.02	QP
2		0.4192	17.03	20.08	37.11	47.46	-10.35	AVG
3		0.9282	10.26	20.09	30.35	56.00	-25.65	QP
4		0.9282	2.65	20.09	22.74	46.00	-23.26	AVG
5		1.6891	14.45	20.10	34.55	56.00	-21.45	QP
6		1.6891	4.76	20.10	24.86	46.00	-21.14	AVG
7		3.4906	13.00	20.13	33.13	56.00	-22.87	QP
8		3.4906	3.14	20.13	23.27	46.00	-22.73	AVG
9		9.6028	21.41	20.17	41.58	60.00	-18.42	QP
10		9.6028	12.27	20.17	32.44	50.00	-17.56	AVG
11		23.0181	29.06	20.31	49.37	60.00	-10.63	QP
12	*	23.0181	26.87	20.31	47.18	50.00	-2.82	AVG

Page: 14 of 32 No.: BCTC/RF-EMC-005 Edition: B.2



Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	N
Test Mode:	Mode 1	Remark:	N/A



Remark:

- All readings are Quasi-Peak and Average values.
 Factor = Insertion Loss + Cable Loss.
 Measurement=Reading Level+ Correct Factor

- 4. Over=Measurement-Limit

0 101-1110	acaromont Emm						1 1 1
No. M	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz		dB	dBu∨	dBuV	dB	Detector
1	0.1680	25.98	20.07	46.05	65.06	-19.01	QP
2	0.1680	14.13	20.07	34.20	55.06	-20.86	AVG
3	0.4515	25.29	20.08	45.37	56.85	-11.48	QP
4	0.4515	17.83	20.08	37.91	46.85	-8.94	AVG
5	0.6719	15.30	20.09	35.39	56.00	-20.61	QP
6	0.6719	6.66	20.09	26.75	46.00	-19.25	AVG
7	2.2694	11.32	20.11	31.43	56.00	-24.57	QP
8	2.2694	0.69	20.11	20.80	46.00	-25.20	AVG
9	9.2220	20.58	20.17	40.75	60.00	-19.25	QP
10	9.2220	12.55	20.17	32.72	50.00	-17.28	AVG
11	23.1270	28.87	20.31	49.18	60.00	-10.82	QP
12 *	23.1270	26.52	20.31	46.83	50.00	-3.17	AVG

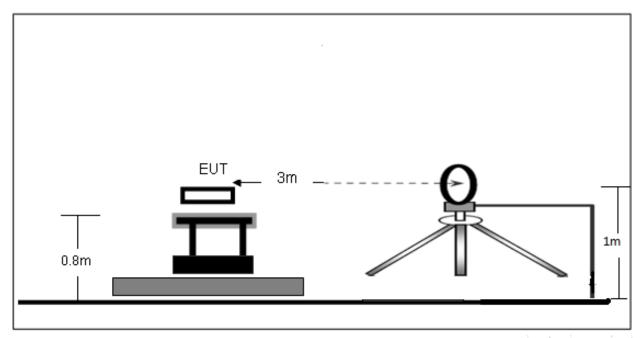
No.: BCTC/RF-EMC-005 Page: 15 of 32 Edition: B.2



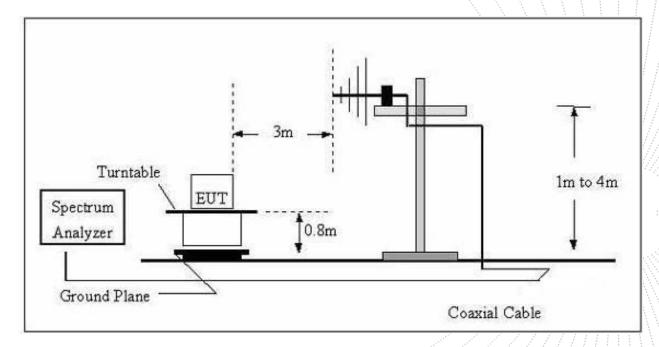
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

(A) Radiated Emission Test-Up Frequency Below 30MHz



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



No.: BCTC/RF-EMC-005 Page: 16 of 32 / / Édițion: B.2



7.2 Limit

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequency	Field Strength	Distance	Field Strength Limit at 3m Distance		
(MHz)	uV/m	(m)	uV/m	dBuV/m	
0.009 ~ 0.490	2400/F(kHz)	300	10000 * 2400/F(kHz)	20log ^{(2400/F(kHz))} + 80	
0.490 ~ 1.705	24000/F(kHz)	30	100 * 24000/F(kHz)	20log ^{(24000/F(kHz))} + 40	
1.705 ~ 30	30	30	100 * 30	20log ⁽³⁰⁾ + 40	
30 ~ 88	100	3	100	20log ⁽¹⁰⁰⁾	
88 ~ 216	150	3	150	20log ⁽¹⁵⁰⁾	
216 ~ 960	200	3	200	20log ⁽²⁰⁰⁾	
Above 960	500	3	500	20log ⁽⁵⁰⁰⁾	

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

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.
- 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.

Above 1GHz test procedure as below:

- g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 metre to 1.5 metre(Above 18GHz the distance is 1 meter and table is 1.5 metre).
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

No.: BCTC/RF-EMC-005 Page: 17 of 32 / / / Édition: B.2



Edition: B.2

7.3 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.

7.4 Test Result

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kpa	Test Voltage:	DC 12V
Test Mode:	Mode 1	Polarization:	-

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector
(KHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
21.18	64.15	20.15	84.30	141.09	-56.79	PK
21.18	40.91	20.15	61.06	121.09	-60.03	AV
61.54	52.99	20.33	73.32	131.82	-58.50	PK
61.54	38.62	20.33	58.95	111.82	-52.87	AV
151.51	54.83	20.55	75.38	124.00	-48.62	PK
151.51	47.92	20.55	68.47	104.00	-35.53	AV
514.00	25.66	20.64	46.30	73.38	-27.08	QP :
753.26	29.35	21.26	50.61	70.07	-19.46	QP
1239.76	18.35	22.32	40.67	65.74	-25.07	QP

Note:

Pre-scan in the all of mode, the worst case in of was recorded.

Factor = antenna factor + cable loss – pre-amplifier.

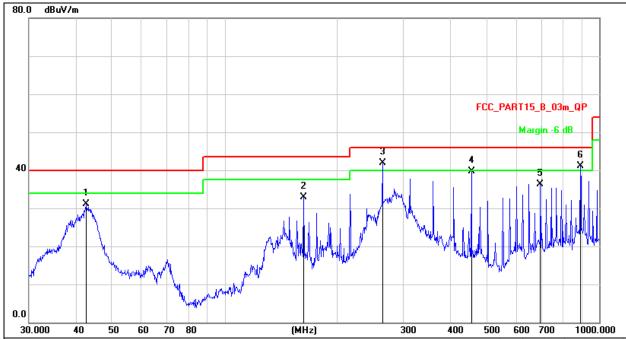
Margin = Emission Level- Limit.

No.: BCTC/RF-EMC-005 Page: 18 of 32



Between 30MHz - 1GHz

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 1	Remark:	N/A



Remark:

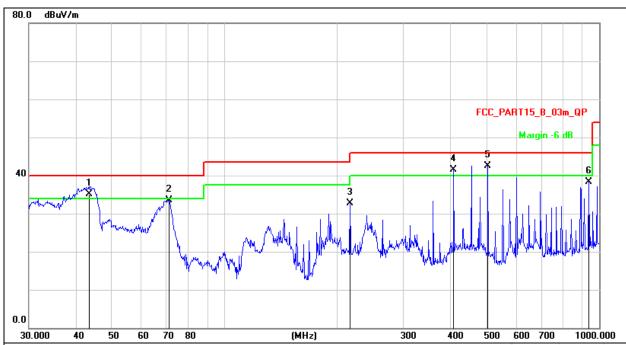
- 1.Factor = Antenna Factor + Cable Loss Pre-amplifier.2. Measurement=Reading Level+ Correct Factor
- 3. Over=Measurement-Limit

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		42.7496	45.62	-14.49	31.13	40.00	-8.87	QP
2		162.6106	51.30	-18.49	32.81	43.50	-10.69	QP
3	*	263.8190	55.97	-14.00	41.97	46.00	-4.03	QP
4		455.9058	49.40	-9.71	39.69	46.00	-6.31	QP
5		696.8567	42.01	-5.74	36.27	46.00	-9.73	QP
6	ļ	890.7278	44.45	-3.28	41.17	46.00	-4.83	QP

Page: 19 of 32 No.: BCTC/RF-EMC-005 Edition: B.2



Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 1	Remark:	N/A



Remark:

- 1.Factor = Antenna Factor + Cable Loss Pre-amplifier.
- 2. Measurement=Reading Level+ Correct Factor
- 3. Over= Measurement-Limit

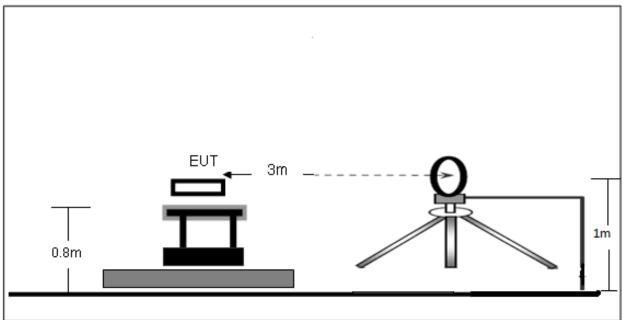
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	ļ	43.5057	49.62	-14.43	35.19	40.00	-4.81	QP
2		71.0803	51.76	-18.19	33.57	40.00	-6.43	QP
3		216.0240	47.96	-15.26	32.70	46.00	-13.30	QP
4	İ	408.9460	52.22	-10.66	41.56	46.00	-4.44	QP
5	*	504.7062	51.21	-8.78	42.43	46.00	-3.57	QP
6		938.8326	41.19	-2.98	38.21	46.00	-7.79	QP



8. Radiated Band Emission Measurement

8.1 Block Diagram Of Test Setup

Radiated Emission Test-Up Frequency Below 30MHz



8.2 Limit

FCC Part15 C Section 15.209 and 15.225

LIMITS OF RADIATED EMISSION MEASUREMENT (Below 30MHz)

- a. 15.848 microvolts/m (84 dBµ V/m) at 30 m, within the band 13.553-13.567 MHz.
- b. 334 microvolts/m (50.5 dB μ V/m) at 30 m, within the bands 13.410- 13.553 MHz and 13.567- 13.710 MHz.
- c. 106 microvolts/m (40.5 dB μ V/m) at 30 m, within the bands 13.110- 13.410 MHz and 13.710- 14.010 MHz.
- d. 30 microvolts/m (29.5 dB μ V/m) at 30 m, outside the band 13.110–14.010 MHz.

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

No.: BCTC/RF-EMC-005 Page: 21 of 32 / / / Édiţion: B.2



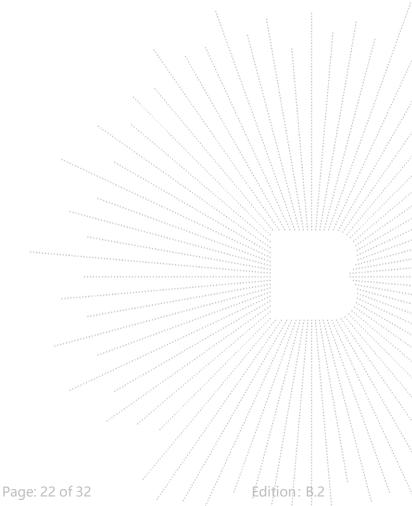
8.3 Test Procedure

- a. The Product is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna (loop antenna). The maximum values of the field strength are recorded by adjusting the polarizations of the test antenna and rotating the turntable.
- b. For each suspected emission, the Product was arranged to its worst case and then turn table was turned from 0 degrees to 360 degrees to find the maximum reading.
- c. The test frequency analyzer system was set to Peak Detect (300Hz RBW in 9kHz to 150kHz and 10kHz RBW in 150kHz to 30MHz) Function and Specified Bandwidth with Maximum Hold Mode.

8.4 EUT Operating Conditions

The EUT tested system was configured as the statements of 4.5 Unless otherwise a special operating condition is specified in the follows during the testing.

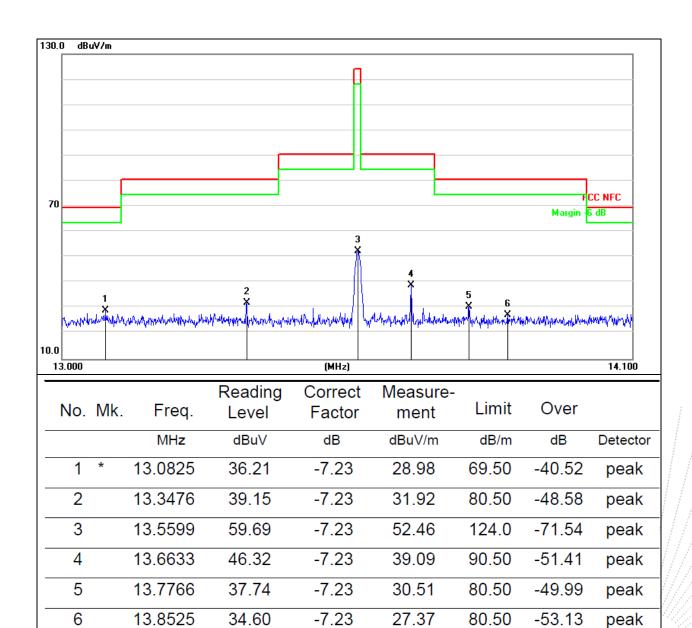
The report only show the worst antenna Polarity's data.



No.: BCTC/RF-EMC-005 Page: 22 of 3



8.5 Test Result



No.: BCTC/RF-EMC-005 Page: 23 of 32

Edition: B.2



9. Bandwidth Test

9.1 Block Diagram Of Test Setup



9.2 Test Procedure

FCC Part15 (15.215)				
Section Test Item				
15.215	Bandwidth			

- 1. Set RBW = 1% to 5% of the OBW
- 2. Set the video bandwidth (VBW) ≥RBW.
- 3. Detector = Peak.
- 4. Trace mode = max hold.
- 5. Sweep = auto couple.
- 6. Allow the trace to stabilize.
- 7. 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 20 dB relative to the maximum level measured in the fundamental emission.

9.3 EUT Operation Conditions

The EUT tested system was configured as the statements of 4.2 Unless otherwise a special operating condition is specified in the follows during the testing.

No.: BCTC/RF-EMC-005 Page: 24 of 32 / / Édition: B.2

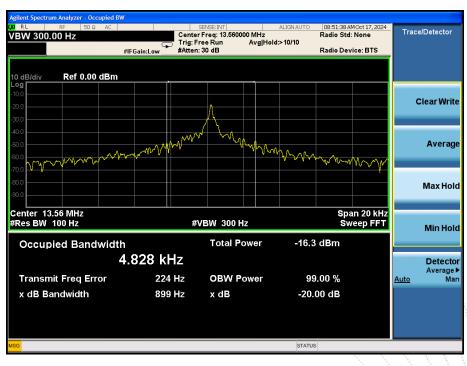


9.4 Test Result

Temperature:	26°C	Relative Humidity:	54%
Test Mode:	ASK	Test Voltage:	DC 12V

Frequency (MHz)	20dB bandwidth (Hz)		
13.56	899		

TX CH 01



No.: BCTC/RF-EMC-005 Page: 25 of 32 / / Edition: B.2



10. Transmitter Frequency Stability

10.1 Block Diagram Of Test Setup

EUT	SPECTRUM
	ANALYZER

10.2 Limit

The frequency tolerance of the carrier signal shall be maintained within $\pm 0.01\%$ of the operating frequency over a temperature variation of -20 degrees to +50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery. Limit: $\pm 0.01\%$ of 13.56MHz=1356Hz

10.3 Test Procedure

- 1. Set RBW = 10 kHz.
- 2. Set the video bandwidth (VBW) ≥RBW.
- 3. Detector = Peak.
- 4. Trace mode = max hold.
- 5. Sweep = auto couple.
- 6. Allow the trace to stabilize.
- 7. The transmitter output (antenna port) was connected to the spectrum analyzer.

10.4 EUT Operating Conditions

The EUT tested system was configured as the statements of 4.5 Unless otherwise a special operating condition is specified in the follows during the testing.

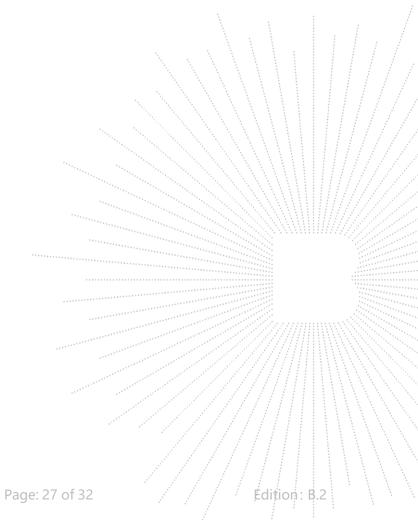
No.: BCTC/RF-EMC-005 Page: 26 of 32 / / Édiţion: B.2



10.5 Test Result

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101kPa Test Voltage:		DC 12V
Test Mode:	TX Mode		

Test Conditions			Frequency Deviation			
Frequency (MHz)	Power(Vdc)	Temperature (°C)	Measured Freq.	Frequency Error(Hz)	Limit(Hz)	Result
	12	-20	13.56004	40	1356	
	12	-10	13.56001	10	1356	
	12	0	13.56006	60	1356	
	12	10	13.56008	80	1356	
12.56	12	20	13.56012	120	1356	PASS
13.56	12	30	13.56007	70	1356	PASS
	12	40	13.56003	30	1356	
	12	50	13.56006	60	1356	
	10.2	20	13.56004	40	1356	
	13.8	20	13.56017	170	1356	



No.: BCTC/RF-EMC-005 Page: 27 of 3



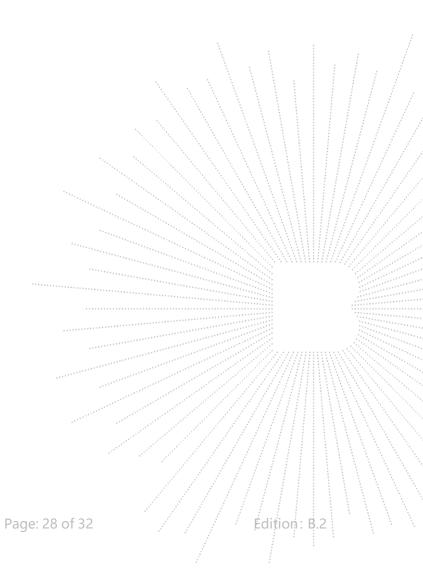
11. Antenna Requirement

11.1 Standard Requirement

15.203 requirement: For intentional device, according to 15.203: 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.

11.2 EUT Antenna

The EUT antenna is Internal Antenna, It comply with the standard requirement.



No.: BCTC/RF-EMC-005



12. EUT Photographs

EUT Photo 1



NOTE: Appendix-Photographs Of EUT Constructional Details.

No.: BCTC/RF-EMC-005 Page: 29 of 32 / / Edition: B.2



13. EUT Test Setup Photographs

Conducted Measurement Photos

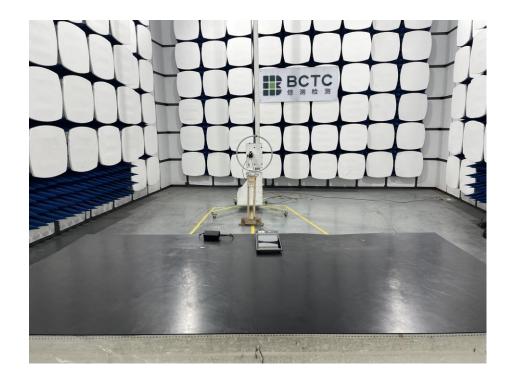


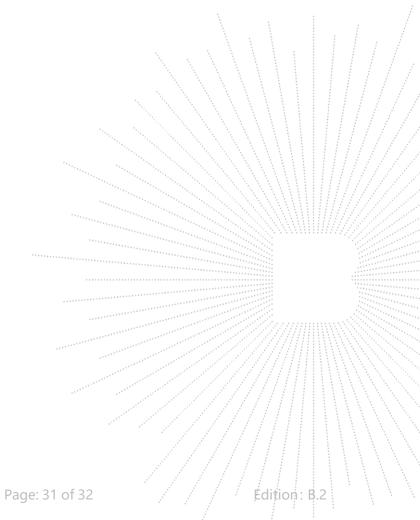
Radiated Measurement Photos



No.: BCTC/RF-EMC-005 Page: 30 of 32 / / Édition: B.2







No.: BCTC/RF-EMC-005 Page: 31 of



STATEMENT

- 1. The equipment lists are traceable to the national reference standards.
- 2. The test report can not be partially copied unless prior written approval is issued from our lab.
- 3. The test report is invalid without the "special seal for inspection and testing".
- 4. The test report is invalid without the signature of the approver.
- 5. The test process and test result is only related to the Unit Under Test.
- 6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.
- 7. The quality system of our laboratory is in accordance with ISO/IEC17025.
- 8. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

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**** END ****

No.: BCTC/RF-EMC-005 Page: 32 of 32