

# **TEST REPORT**

Report No. CISRR25022110404

Project No. CISR250221104

FCC ID 2BLPG-DX-CP28

Applicant Shenzhen Daxia Longque Technology Co., Ltd

Address Block 601, A, Huafeng Zhigu-Hangcheng High-tech Industrial Park,

Bao'an District, Shenzhen, China

Manufacturer Shenzhen Daxia Longque Technology Co., Ltd

Address Block 601, A, Huafeng Zhigu-Hangcheng High-tech Industrial Park,

Bao'an District, Shenzhen, China

Product Name Bluetooth beacon

Trade Mark N/A

Model/Type reference DX-CP28

Listed Model(s) DX-CP28-NFC

Standard 47 CFR Part 15.247

Test date February 22, 2025 to March 18, 2025

Issue date March 18, 2025

Test result Complied

Prepared by: Edward Wang

Edward Worng

GenryLong

Approved by: Genry Long

The test results relate only to the tested samples.

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# 1. REPORT VERSION

Version No.	Issue date	Description
00	March 18, 2025	Original



# 2. TEST DESCRIPTION

No.	Test Item	Standard Requirement	Result
1	Antenna Requirement	47 CFR 15.203	Pass
2	6dB Bandwidth	47 CFR 15.247(a)(2)	Pass
3	Maximum Conducted Output Power	47 CFR 15.247(b)(3)	Pass
4	Power Spectral Density	47 CFR 15.247(e)	Pass
5	Conducted band edge and spurious emission	47 CFR 15.247(d), 15.209, 15.205	Pass
6	Radiated band edge emission	47 CFR 15.247(d), 15.209, 15.205	Pass
7	Radiated Spurious Emission (below 1GHz)	47 CFR 15.247(d), 15.209, 15.205	Pass
8	Radiated Spurious Emission (Above 1GHz)	47 CFR 15.247(d), 15.209, 15.205	Pass

#### Note:

The measurement uncertainty is not included in the test result.



## 3. **SUMMARY**

## 3.1. Product Description \*

Main unit information:			
Product Name:	Bluetooth beacon		
Trade Mark:	N/A		
Model No.:	DX-CP28		
Listed Model(s):	DX-CP28-NFC		
Model difference:	The series model is the same product, there are not any different in material or color changed, with only different model names due to marketing sales.		
Power supply:	DC 3V*2		
Hardware version:	N/A		
Software version:	N/A		
Accessory unit information:			
Battery information:	DC 3V*2		

#### 3.2. Radio Specification Description \*

Modulation type:	GFSK
Operation frequency:	2402MHz to 2480MHz
Channel number:	40
Channel separation:	2MHz
Antenna type:	PCB Antenna
Antenna gain:	-0.1dBi

#### Note:

- \*: Since the above information is provided by the applicant relevant results or conclusions of this report are only made for these information, Bangce is not responsible for the authenticity, integrity and results of the information and/or the validity of the conclusion.
- 2) Operation frequency list as follow:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472



6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

#### 3.3. Modification of EUT

No modifications are made to the EUT during all test items.

#### 3.4. Deviation from standards

None

## 3.5. Testing Site

Laboratory Name	Shenzhen Bangce Testing Technology Co., Ltd.
Laboratory Location	101, building 10, Yunli Intelligent Park, Shutianpu community, Matian Street, Guangming District, Shenzhen, Guangdong, China
Contact information	Tel: 86-755-2319 6848, email: service@cis-cn.net Website: http://www.cis-cn.net/
FCC registration number	736346
FCC designation number	CN1372



## 4. TEST CONFIGURATION

## 4.1. Test frequency list

Lowest Channel (LCH)	Middle Channel (MCH)	Highest Channel (HCH)
(MHz)	(MHz)	(MHz)
2402	2440	2480

#### 4.2. Descriptions of test mode

No	Test mode Description	
TM1	TX mode	Keep the EUT in continuously transmitting mode with GFSK modulation at lowest, middle and highest channel.
TM2	Link mode	Keep the EUT in Bluetooth linking mode with AE.

#### 4.3. Support unit used in test configuration

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The following peripheral devices and interface cables were connected during the measurement:

Item	Equipment name	Trade Name	Model No.
1	Adapter	Guangdong Sangu Technology Co. ltd	SG-0501000AU
2	Phone	Huawei	NZONE S7

#### 4.4. Test sample information

Туре	Sample No.
Engineer sample	CISR250221104-S01
Normal sample	CISR250221104-S02

#### 4.5. Environmental conditions

Туре	Requirement
Temperature:	15~35°C
Relative Humidity:	25~75%
Air Pressure:	860~1060mbar



## 4.6. Equipment Used during the Test

6dB Bandwidth

Maximum Conducted Output Power

**Power Spectral Density** 

Emissions in non-restricted frequency bands

Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	MXG RF Signal Generator			MY50145362	2025-01-08	2026-01-07
2	Spectrum analyzer	R&S	FSV-40N	102130	2025-01-08	2026-01-07
3	Vector Signal Generator	Δαμερτ		MY50142364	2025-01-08	2026-01-07
4	Power Meter	wcs	WCS-PM	WCSPM23040 5A	2025-01-08	2026-01-07

Band edge emissions (Radiated)

Emissions in frequency bands (below 1GHz)

Emissions in frequency bands (above 1GHz)

Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	EMI Test Receiver	Rohde&schwarz	ESCI7	100853	2025-01-08	2026-01-07
2	Amplifier	Tonscend	TAP9K3G 40	AP23A806027 0	2025-01-08	2026-01-07
3	Prime amplifier	Tonscend	TAP0101 8050	AP23A806028 0	2025-01-08	2026-01-07
4	9*6*6 anechoic chamber	SKET	9.3*6.3*6	N/A	2024-09-02	2027-09-01
5	Spectrum analyzer	Agilent	N9020A	MY50530263	2025-01-08	2026-01-07
6	Spectrum analyzer	R&S	FSV-40N	102130	2025-01-08	2026-01-07
7	Bilog Antenna	Schwarzbeck	VULB 9163	1463	2023-01-09	2026-01-08
8	Horn Antenna	SCHWARZBECK	BBHA 9120 D	2487	2023-01-09	2026-01-08
9	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	1	2023-01-09	2026-01-08
10	RF Cable	Tonscend	Cable 1	1	2025-01-08	2026-01-07
11	RF Cable	Tonscend	Cable 2	1	2025-01-08	2026-01-07
12	RF Cable	SKET	Cable 3	1	2025-01-08	2026-01-07
13	L.I.S.N.#1	Schwarzbeck	NSLK812 7	1	2025-01-08	2026-01-07
14	L.I.S.N.#2	ROHDE&SCHWA RZ	ENV216	1	2025-01-08	2026-01-07
15	Horn Antenna	SCHWARZBECK	BBHA917 0	1130	2023-01-09	2026-01-08
16	Preamplifier	Tonscend	TAP1804 0048	AP21C806126	2025-01-08	2026-01-07



17	Variable-frequency power source	Pinhong	PH1110	1	2025-01-08	2026-01-07
18	6dB Attenuator	SKET	DC-6G	1	2025-01-08	2026-01-07
19	Antenna tower	SKT	Bk-4AT- BS	AT202104010 1-V1	2025-01-08	2026-01-07



## 5. TEST RESULTS

#### 5.1. Evaluation Results (Evaluation)

#### 5.1.1. Antenna Requirement

Test Requirement:

Refer to 47 CFR Part 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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

#### 5.1.1.1. Test Result

Pass

#### 5.1.1.2. Conclusion:

The EUT antenna is PCB Antenna(-0.1dBi), the directional gain of the antenna less than 6dBi. It comply with the standard requirement. In case of replacement of broken antenna the same antenna type must be used. Antenna structure please refer to the EUT internal photographs antenna photo.



## 5.2. Radio Spectrum Matter Test Results (RF)

#### 5.2.1. 6dB Bandwidth

Test Requirement:	47 CFR 15.247(a)(2)
Test Limit:	Refer to 47 CFR 15.247(a)(2), Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.
Test Method:	ANSI C63.10-2020, section 11.8
Procedure:	11.8.1 Option 1 The steps for the first option are as follows: a) Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz. b) Set the VBW ≥ [3 × RBW]. c) Detector = peak. d) Trace mode = max-hold. e) Sweep = No faster than coupled (auto) time. f) Allow the trace to stabilize. g) Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the "-6 dB down amplitude". If a marker is below this "-6 dB down amplitude" value, then it shall be as close as possible to this value.  11.8.2 Option 2 The automatic bandwidth measurement capability of an instrument may be employed using the X dB bandwidth mode with X set to 6 dB, if the functionality described in 11.8.1 (i.e., RBW = 100 kHz, VBW ≥ 3 × RBW, and peak detector with maximum hold) is implemented by the instrumentation function. When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be ≥ 6 dB.

## **5.2.1.1. E.U.T. Operation**

Operating Environment:						
Temperature:	23.3 °C		Humidity:	55.7 %	Atmospheric Pressure:	102 kPa
Pre test mode:		TM	1			
Final test mode:		TM	1			

## 5.2.1.2. Test Setup Diagram



#### 5.2.1.3. Test Result

Pass

#### 5.2.1.4. Test Data

## **5.2.2. Maximum Conducted Output Power**

Test Requirement:	47 CFR 15.247(b)(3)
Test Limit:	Refer to 47 CFR 15.247(b)(3), For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Test Method:	ANSI C63.10-2020 section 11.9.1
Procedure:	ANSI C63.10-2020, section 11.9.1 Maximum peak conducted output power

## 5.2.2.1. E.U.T. Operation

Operating Env	Operating Environment:							
Temperature:	: 23.3 °C		Humidity:	55.7 %	Atmospheric Pressure:	102 kPa		
Pre test mode:	TM	1						
Final test mode:		TM	1					

## 5.2.2.2. Test Setup Diagram



#### 5.2.2.3. Test Result

Pass

#### 5.2.2.4. Test Data

## 5.2.3. Power Spectral Density

Test Requirement:	47 CFR 15.247(e)
Test Limit:	Refer to 47 CFR 15.247(e), For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.
Test Method:	ANSI C63.10-2020, section 11.10
Procedure:	ANSI C63.10-2020, section 11.10, Maximum power spectral density level in the fundamental emission

## 5.2.3.1. E.U.T. Operation

Operating Env	Operating Environment:							
Temperature:	23.3 °C		Humidity:	55.7 %	Atmospheric Pressure:	102 kPa		
Pre test mode:		TM	1					
Final test mode:		TM	1					

## 5.2.3.2. Test Setup Diagram



#### 5.2.3.3. Test Result

Pass

#### 5.2.3.4. Test Data

## 5.2.4. Conducted band edge and spurious emission

Test Requirement:	47 CFR 15.247(d), 15.209, 15.205
Test Limit:	Refer to 47 CFR 15.247(d), In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required.
Test Method:	ANSI C63.10-2020 section 11.11
Procedure:	ANSI C63.10-2020 Section 11.11.1, Section 11.11.2, Section 11.11.3

#### **5.2.4.1. E.U.T. Operation**

Operating Envi	Operating Environment:									
Temperature:	mperature: 23.3 °C Humidity: 55.7 % Atmospheric Pressure: 102 kPa									
Pre test mode:	TM	1								
Final test mode	е:	TM	1							

## 5.2.4.2. Test Setup Diagram



#### **5.2.4.3. Test Result**

Pass

#### 5.2.4.4. Test Data

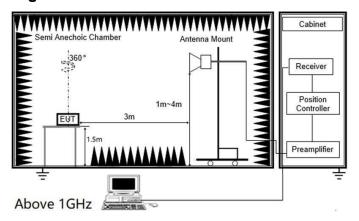
## 5.2.5. Radiated band edge emission

Test Requirement:	restricted bands, as defined	In addition, radiated emissions whin § 15.205(a), must also comply § 15.209(a)(see § 15.205(c)).				
	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)			
	0.009-0.490	2400/F(kHz)	300			
	0.490-1.705	24000/F(kHz)	30			
	1.705-30.0	30	30			
	30-88	100 **	3			
	88-216	150 **	3			
Toot Limit	216-960	200 **	3			
Test Limit:	Above 960	500	3			
	these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.  In the emission table above, the tighter limit applies at the band edges.  The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.					
Test Method:	ANSI C63.10-2020 section 6	5.10				
Procedure:	<ol> <li>The EUT is placed on a totable is rotated 360 degrees level.</li> <li>The EUT waspositioned semeters.</li> <li>The antenna is scanned femission level. Thisis repearantenna. In order to find the manipulated according to Alton Use the following spectruma) Span shall wide enough to b) Set RBW=1MHz, VBW=3 Trace=max hold for Peak m</li> </ol>	o fully capture the emission being MHz for >1GHz, Sweep time=aut easurement use duty cycle correction factor m	naximum emission na to the EUT was 3 ut the maximum I polarization of the rface cables were nent. measured o, Detector=peak,			

## **5.2.5.1. E.U.T. Operation**

Operating Envi	Operating Environment:										
Temperature:   22.6 °C   Humidity:   55.8 %   Atmospheric Pressure:   102 kPa											
Pre test mode:	TM <sup>2</sup>	1									
Final test mode: TM1											

## 5.2.5.2. Test Setup Diagram

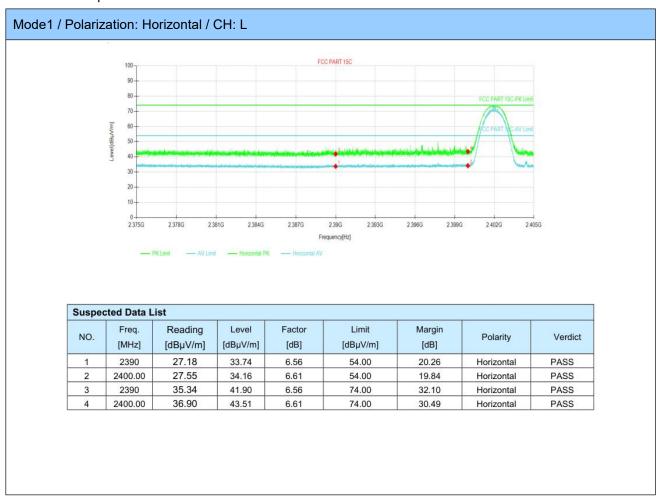


5.2.5.3. Test Result

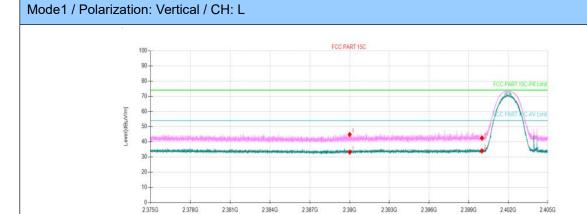
Pass

#### 5.2.5.4. Test Data

Have pre-scan all test mode, found GFSK 1M mode which it was worst case, so only show the worst case's data on this report.







2.387G

2.378G

2.381G

— PK Limit — AV Limit — Vertical PK — Vertical AV

2.384G

Suspe	Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict			
1	2390	26.64	33.20	6.56	54.00	20.80	Vertical	PASS			
2	2400.00	27.40	34.01	6.61	54.00	19.99	Vertical	PASS			
3	2390	38.25	44.81	6.56	74.00	29.19	Vertical	PASS			
4	2400.00	35.84	42.45	6.61	74.00	31 55	Vertical	PASS			

2.39G

2.393G

2.396G

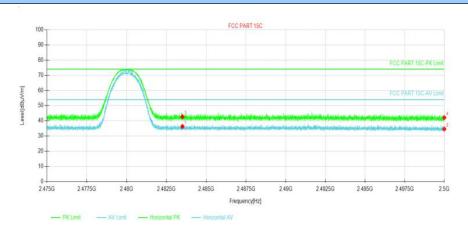
2.399G

2.402G

2.405G



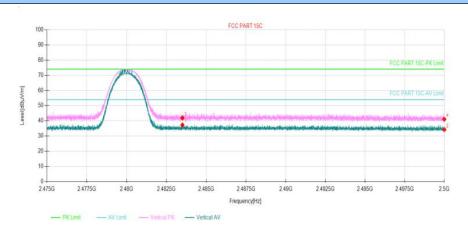
#### Mode1 / Polarization: Horizontal / CH: H



Suspe	Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict			
1	2483.5	29.71	36.27	6.56	54.00	17.73	Horizontal	PASS			
2	2500	28.06	34.61	6.55	54.00	19.39	Horizontal	PASS			
3	2483.5	36.08	42.64	6.56	74.00	31.36	Horizontal	PASS			
4	2500	35.57	42.12	6.55	74.00	31.88	Horizontal	PASS			



#### Mode1 / Polarization: Vertical / CH: H



Suspe	Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict			
1	2483.5	30.65	37.21	6.56	54.00	16.79	Vertical	PASS			
2	2500	27.69	34.24	6.55	54.00	19.76	Vertical	PASS			
3	2483.5	35.33	41.89	6.56	74.00	32.11	Vertical	PASS			
4	2500	34.52	41.07	6.55	74.00	32.93	Vertical	PASS			

## 5.2.6. Radiated Spurious Emission (below 1GHz)

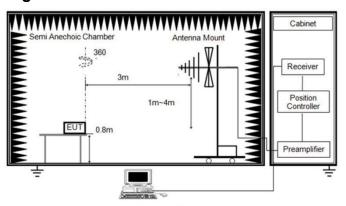
Test Requirement:	restricted bands, as defined	In addition, radiated emissions whin § 15.205(a), must also comply § 15.209(a)(see § 15.205(c)).`				
	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)			
	0.009-0.490	2400/F(kHz)	300			
	0.490-1.705	24000/F(kHz)	30			
	1.705-30.0	30	30			
	30-88	100 **	3			
	88-216	150 **	3			
	216-960	200 **	3			
Test Limit:	Above 960	500	3			
	15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.					
Test Method:	ANSI C63.10-2020 section 6	5.6.4				
Procedure:	2. The EUT is placed on a to GHz, and 1.5 m for above 1 determine the position of the 3. The EUT was set 3 meter the top of a variable height a 4. For each suspected emistune the Antenna tower (fror degrees) to find the maximular for the test in order to get be 5. Set to the maximum powe 6. Use the following spectrum a) Span shall wide enough the b) RBW=120 kHz, VBW=30 Trace=max hold; If the emission level of the Ethe applicable limit, the peak	s from the receiving antenna, whi antenna tower. sion, the EUT was arranged to its in 1 m to 4 m) and turntable (from im reading. A pre-amp and a high etter signal level to comply with the er setting and enable the EUT trar	O degrees to  ch was mounted on  worst case and then O degree to 360 pass filter are used e guidelines. nsmit continuously.  measured; ction=peak,  or is 3 dB lower than Otherwise, the			

## **5.2.6.1. E.U.T. Operation**

Operating Environment:										
Temperature: 22.6 °C Humidity: 55.8 % Atmospheric Pressure: 102 kPa										
Pre test mode:	TM <sup>2</sup>	1,TM2								
Final test mode	e:	TM <sup>2</sup>	1,TM2							



## 5.2.6.2. Test Setup Diagram



Below 1 GHz and above 30 MHz

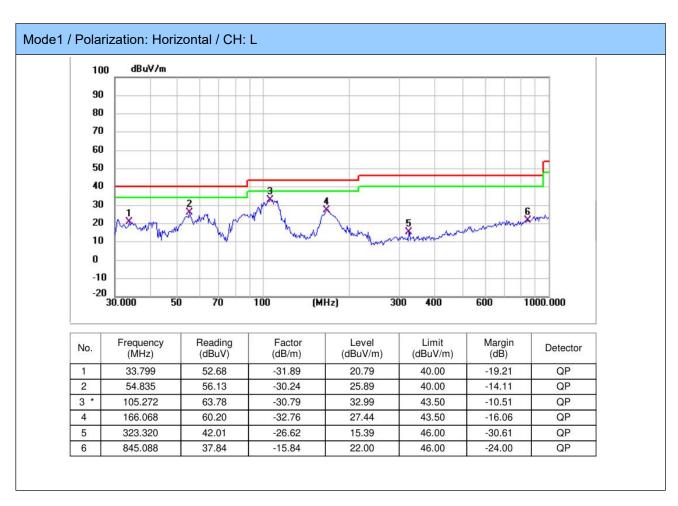
#### 5.2.6.3. Test Result

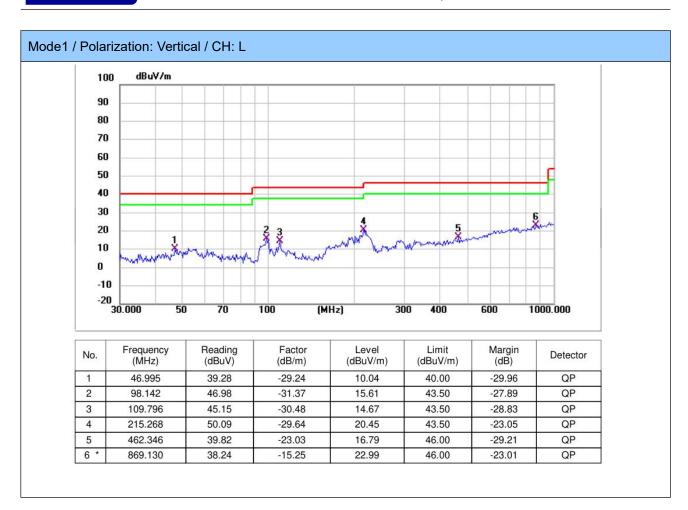
Pass



#### 5.2.6.4. Test Data

Have pre-scan all test channel, found CH00(GFSK 1M) mode which it was worst case, so only show the worst case's data on this report.





#### Note:

1) For 9 kHz ~ 30 MHz Measurement

The EUT was pre-scanned this frequency band, found the radiated level 20dB lower than the limit, so don't show data on this report.

- 2) Level= Reading + Factor; Factor = Antenna Factor + Cable Loss- Preamp Factor
- 3) Margin = Limit Level

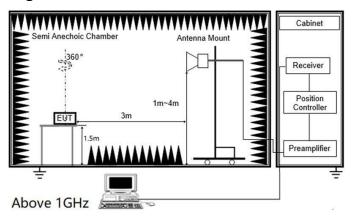
## 5.2.7. Radiated Spurious Emission (Above 1GHz)

Test Requirement:		ons which fall in the restricted ban y with the radiated emission limits			
	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)		
	0.009-0.490	2400/F(kHz)	300		
	0.490-1.705	24000/F(kHz)	30		
	1.705-30.0	30	30		
	30-88	100 **	3		
	88-216	150 **	3		
<b>+</b> (1) %	216-960	200 **	3		
Test Limit:	Above 960	500	3		
	these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.  In the emission table above, the tighter limit applies at the band edges.  The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.				
Test Method:	ANSI C63.10-2020 section	6.6.4			
Procedure:	2. The EUT is placed on a t GHz, and 1.5 m for above 1 determine the position of th 3. The EUT was set 3 mete the top of a variable height 4. For each suspected emistune the Antenna tower (frodegrees) to find the maximum for the test in order to get bust 5. Set to the maximum pow 6. Use the following spectrum a) Span shall wide enough b) Set RBW=1MHz, VBW=3 Trace=max hold for Peak m	rs from the receiving antenna, whentenna tower. Ission, the EUT was arranged to its m 1 m to 4 m) and turntable (from um reading. A pre-amp and a high etter signal level to comply with the resetting and enable the EUT trains analyzer settings to fully capture the emission being BMHz for >1GHz, Sweep time=auteasurement use duty cycle correction factor metains.	e ground for below 1 60 degrees to ich was mounted on s worst case and then 0 degree to 360 pass filter are used le guidelines. nsmit continuously. g measured; to, Detector=peak,		

## **5.2.7.1. E.U.T. Operation**

Operating Envi	Operating Environment:										
Temperature: 22.6 °C Humidity: 55.8 % Atmospheric Pressure: 102 kPa											
Pre test mode:	TM	1,TM2									
Final test mode	e:	TM	1,TM2								

## 5.2.7.2. Test Setup Diagram



5.2.7.3. Test Result

Pass



#### 5.2.7.4. Test Data

11

12

9871.8

17962.0

38.44

33.02

41.84

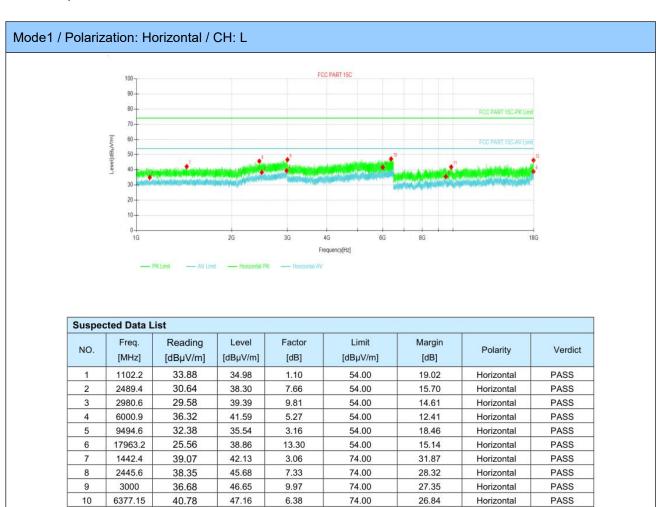
46.31

3.40

13.29

#### Note:

- 1. In order to prevent the amplifier from saturating, we add a band-stop filter that filters out the main frequency.
- 2.18GHz-25GHz is the background of the site, there is no radiated spurious.
- 3. Have pre-scan all test mode, found GFSK 1M which it was worst case, so only show the worst case's data on this report.



74.00

74.00

32.16

27.69

Horizontal

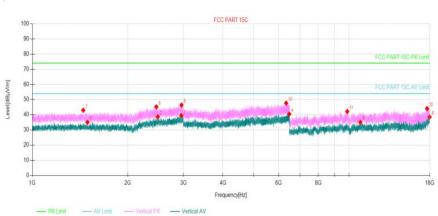
Horizontal

**PASS** 

**PASS** 



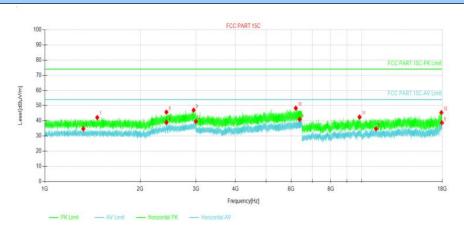
# Mode1 / Polarization: Vertical / CH: L



NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict
1	1492.6	31.82	35.03	3.21	54.00	18.97	Vertical	PASS
2	2489.8	31.02	38.68	7.66	54.00	15.32	Vertical	PASS
3	2955.4	29.87	39.46	9.59	54.00	14.54	Vertical	PASS
4	6478.3	33.95	40.48	6.53	54.00	13.52	Vertical	PASS
5	10864.2	30.21	35.02	4.81	54.00	18.98	Vertical	PASS
6	17978.1	25.14	38.53	13.39	54.00	15.47	Vertical	PASS
7	1447.8	39.94	43.02	3.08	74.00	30.98	Vertical	PASS
8	2464.2	37.78	45.25	7.47	74.00	28.75	Vertical	PASS
9	2959.2	36.77	46.39	9.62	74.00	27.61	Vertical	PASS
10	6331.65	41.60	47.69	6.09	74.00	26.31	Vertical	PASS
11	9875.25	38.74	42.15	3.41	74.00	31.85	Vertical	PASS
12	17648.1	31.89	44.10	12.21	74.00	29.90	Vertical	PASS



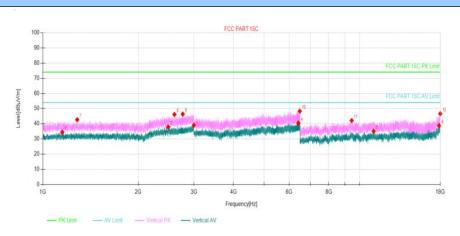
## Mode1 / Polarization: Horizontal / CH: M



NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict
1	1322.8	32.22	34.74	2.52	54.00	19.26	Horizontal	PASS
2	2421.4	31.84	38.99	7.15	54.00	15.01	Horizontal	PASS
3	2999.2	29.59	39.55	9.96	54.00	14.45	Horizontal	PASS
4	6377.85	34.53	40.92	6.39	54.00	13.08	Horizontal	PASS
5	11113.8	29.88	34.69	4.81	54.00	19.31	Horizontal	PASS
6	17954	25.48	38.72	13.24	54.00	15.28	Horizontal	PASS
7	1464.2	39.00	42.13	3.13	74.00	31.87	Horizontal	PASS
8	2421.2	38.57	45.72	7.15	74.00	28.28	Horizontal	PASS
9	2951.2	37.43	46.99	9.56	74.00	27.01	Horizontal	PASS
10	6202.15	42.67	48.32	5.65	74.00	25.68	Horizontal	PASS
11	9863.75	39.03	42.42	3.39	74.00	31.58	Horizontal	PASS
12	17890.7	32.48	45.40	12.92	74.00	28.60	Horizontal	PASS



## Mode1 / Polarization: Vertical / CH: M



NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict
2	2488.6	30.27	37.92	7.65	54.00	16.08	Vertical	PASS
3	2998.2	29.08	39.03	9.95	54.00	14.97	Vertical	PASS
4	6412.15	33.94	40.47	6.53	54.00	13.53	Vertical	PASS
5	11079.3	30.26	35.02	4.76	54.00	18.98	Vertical	PASS
6	17858.5	25.76	38.75	12.99	54.00	15.25	Vertical	PASS
7	1284	40.38	42.68	2.30	74.00	31.32	Vertical	PASS
8	2604	38.85	46.13	7.28	74.00	27.87	Vertical	PASS
9	2766	38.17	46.39	8.22	74.00	27.61	Vertical	PASS
10	6476.55	41.78	48.31	6.53	74.00	25.69	Vertical	PASS
11	9456.65	39.01	42.12	3.11	74.00	31.88	Vertical	PASS
12	17989.6	33.20	46.66	13.46	74.00	27.34	Vertical	PASS



# Mode1 / Polarization: Horizontal / CH: H

3G

— PK Limit — AV Limit — Horizontal PK — Horizontal AV

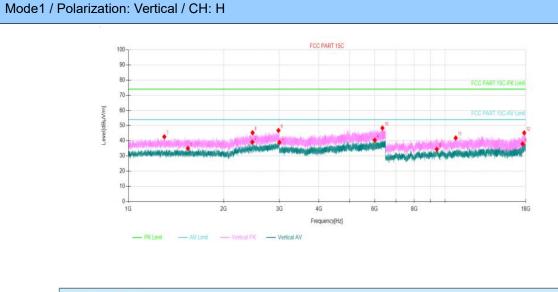
2G

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict
1	1557.4	31.57	34.80	3.23	54.00	19.20	Horizontal	PASS
2	2427	31.09	38.28	7.19	54.00	15.72	Horizontal	PASS
3	2995	28.68	38.61	9.93	54.00	15.39	Horizontal	PASS
4	6000.9	35.86	41.13	5.27	54.00	12.87	Horizontal	PASS
5	10959.7	30.76	35.38	4.62	54.00	18.62	Horizontal	PASS
6	17818.3	25.88	38.97	13.09	54.00	15.03	Horizontal	PASS
7	1247.6	40.94	43.01	2.07	74.00	30.99	Horizontal	PASS
8	2464.2	37.99	45.46	7.47	74.00	28.54	Horizontal	PASS
9	2992	36.18	46.08	9.90	74.00	27.92	Horizontal	PASS
10	6007.9	42.63	47.91	5.28	74.00	26.09	Horizontal	PASS
11	9414.1	40.28	43.34	3.06	74.00	30.66	Horizontal	PASS
12	17874.6	33.00	45.96	12.96	74.00	28.04	Horizontal	PASS

4G

Frequency[Hz]

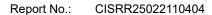
8G



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict
1	1542	31.67	34.90	3.23	54.00	19.10	Vertical	PASS
2	2464.8	31.62	39.10	7.48	54.00	14.90	Vertical	PASS
3	3000	28.96	38.93	9.97	54.00	15.07	Vertical	PASS
4	6000.9	35.17	40.44	5.27	54.00	13.56	Vertical	PASS
5	9423.3	31.35	34.42	3.07	54.00	19.58	Vertical	PASS
6	17588.3	25.67	37.97	12.30	54.00	16.03	Vertical	PASS
7	1299.2	40.25	42.65	2.40	74.00	31.35	Vertical	PASS
8	2468.4	37.83	45.33	7.50	74.00	28.67	Vertical	PASS
9	2979.4	37.01	46.80	9.79	74.00	27.20	Vertical	PASS
10	6346.35	42.23	48.41	6.18	74.00	25.59	Vertical	PASS
11	10813.6	36.98	41.85	4.87	74.00	32.15	Vertical	PASS
12	17797.6	32.13	45.23	13.10	74.00	28.77	Vertical	PASS

#### Note:

- 1) Level= Reading + Factor; Factor =Antenna Factor+ Cable Loss- Preamp Factor
- 2) Margin = Limit Level
- 3) Average measurement was not performed if peak level is lower than average limit (54dBuV/m) for above 1GHz.



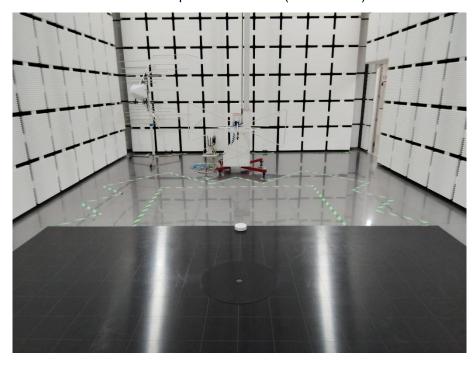


## 6. TEST SETUP PHOTOS

Radiated band edge emission Radiated Spurious Emission (Above 1GHz)



Radiated Spurious Emission (below 1GHz)

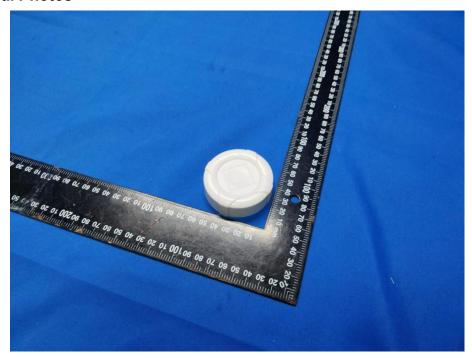






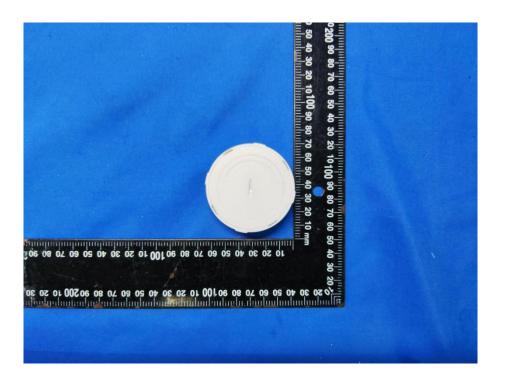
## 7. EXTERNAL AND INTERNAL PHOTOS

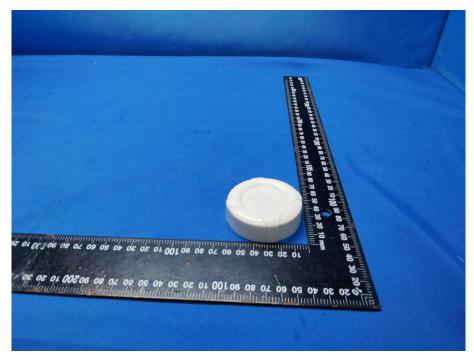
#### 7.1. External Photos











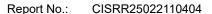














#### 7.2. Internal Photos



