

FCC Test Report

Test Report

On Behalf of

NiceRF Wireless Technology LTD.

For

2.4GHz LoRa Wireless Transceiver Module

Model No.: LORA1281F27-TCXO, LORA1280F27-TCXO

FCC ID: 2AD66-LORA1281F27

Prepared For: **NiceRF Wireless Technology LTD.**

309-314, Bldg A, Hongdu business building, Xin'an street, Zone 43, Baoan Dist, Shenzhen, 518101, China

Prepared By: **Shenzhen HUAKE Testing Technology Co., Ltd.**

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Date of Test: **June 06, 2026 ~ July 22, 2026**

Date of Report: **July 22, 2026**

Report Number: **HK2606050602-E**

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Test Result Certification

Applicant's Name: NiceRF Wireless Technology LTD.

Address: 309-314, Bldg A, Hongdu business building, Xin'an street, Zone 43,
Baoan Dist, Shenzhen, 518101, China

Manufacturer's Name: NiceRF Wireless Technology LTD.

Address: 309-314, Bldg A, Hongdu business building, Xin'an street, Zone 43,
Baoan Dist, Shenzhen, 518101, China

Product Description

Trade Mark: G-NiceRF

Product Name: 2.4GHz LoRa Wireless Transceiver Module

Model and/or Type Reference ...: LORA1281F27-TCXO, LORA1280F27-TCXO

47 CFR FCC Part 15 Subpart C 15.247

Standards: KDB 558074 D01 15.247 Meas Guidance v05r02

ANSI C63.10: 2020

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Date of Test.....:

Date (s) of Performance of Tests: June 06, 2026 ~ July 22, 2026

Date of Issue: July 22, 2026

Test Result: Pass

Testing Engineer

Len Liao

Len Liao

Technical Manager

Sliver Wan

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Jason Zhou

Jason Zhou



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**** Issued History ****

Revision	Description	Issued Date	Remark
Revision 1.0	Initial Test Report Release	July 22, 2026	Jason Zhou



HUAK TESTING

1 Summary

1.1 Test Procedures and Results

Test Item	Test Requirement	Result
Antenna Requirement	§15.203/§15.247(b)(4)	PASS
AC Conducted Emission	FCC Part 15.207	PASS
Radiated Emissions	FCC Part 15.205/15.209	PASS
Maximum Peak Output Power	FCC Part 15.247(b)	PASS
Power Spectral Density	FCC Part 15.247(e)	PASS
6dB Bandwidth & 99% Bandwidth	FCC Part 15.247(a)(2)	PASS
Spurious RF Conducted Emission	FCC Part 15.247(d)	PASS
Band Edge	FCC Part 15.247(d)	PASS

Note:

1. PASS: Test item meets the requirement.
2. Fail: Test item does not meet the requirement.
3. N/A: Test case does not apply to the test object.
4. The test result judgment is decided by the limit of test standard.



1.2 Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expanded 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	MU
1	Conducted Emission 0.15~30MHz	$\pm 2.22\text{dB}$
2	All Emissions, Radiated(<1G)	$\pm 3.60\text{dB}$
3	All Emissions, Radiated(1-18G)	$\pm 3.86\text{dB}$
4	All Emissions, Radiated(18-40G)	$\pm 4.76\text{dB}$
5	Transmitter Power Conducted	$\pm 0.37\text{dB}$
6	Conducted Spurious Emission	$\pm 2.20\text{dB}$
7	Occupied Bandwidth	$\pm 3.68\%$
8	Temperature	$\pm 0.1^{\circ}\text{C}$
9	Humidity	$\pm 1.0\%$

1.3 Information of the Test Laboratory

Shenzhen HUAKE Testing Technology Co., Ltd.

Add.: 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

**HUAK TESTING****2 General Information****2.1 General Description of EUT**

EUT Name:	2.4GHz LoRa Wireless Transceiver Module
Model No:	LORA1281F27-TCXO
Series Model(s):	LORA1280F27-TCXO
Model Difference:	All model's the function, software and electric circuit are the same, only with product model named different. Test sample model: LORA1281F27-TCXO.
Operation Frequency:	2404 MHz to 2480 MHz
Number of Channel:	3
Modulation Technology:	LoRa
Hardware Version:	V2.0
Firmware Version:	V1.0
Antenna Type:	External Antenna
Antenna Gain:	ANT 1: 2dBi ANT 2: 2dBi
Power Supply:	DC3.3V
Note: 1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual. 2. Antenna gain Refer to the antenna specifications. 3. The cable loss data is obtained from the supplier. 4. The test results in the report only apply to the tested sample.	



2.2 Description of Channel

Channel	Frequency (MHz)
01	2404
02	2442
03	2480

The EUT has been operated in modulations: LoRa independently.

No.	Test Mode Description
1	Low channel TX
2	Middle channel TX
3	High channel TX

Note:

1. All the test modes can be supply by serial port, only the result of the worst case was recorded in the report if no any records.
2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.

2.3 Description of Test Conditions

(1) E.U.T. test conditions:

For intentional radiators, measurements of the variation of the input power or the radiated signal level of the fundamental frequency component of the emission, as appropriate, shall be performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage. For battery operated equipment, the equipment tests shall be performed using a new battery.

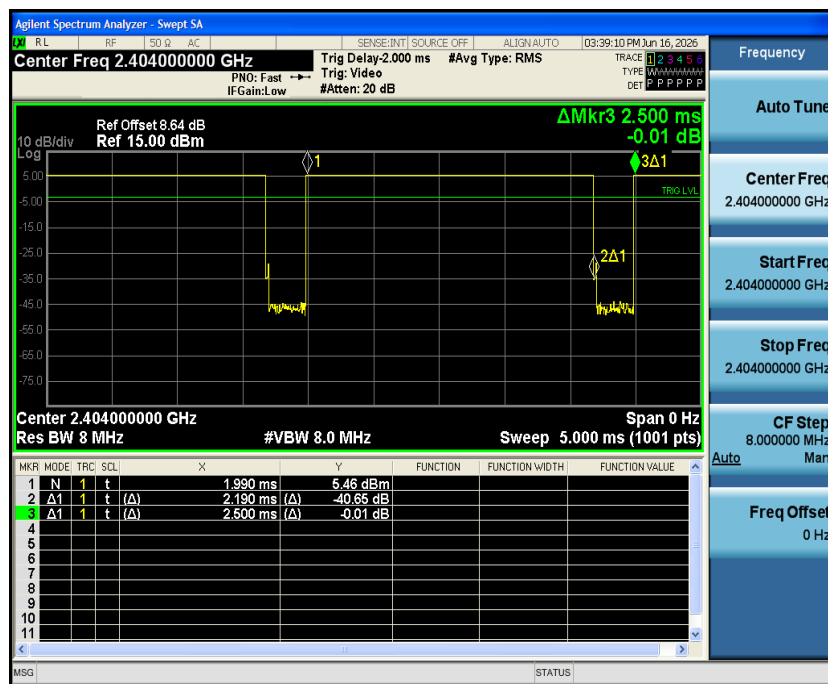
(2) Frequency range of radiated measurements:

The test range will be up to the tenth harmonic of the highest fundamental frequency.

(3) Pre-test the EUT in all transmitting mode at the lowest (2404 MHz), middle (2442 MHz) and highest (2480 MHz) channel with different data packet and conducted to determine the worst-case mode, only the worst-case results are recorded in this report.

(4) Mode Test Duty Cycle

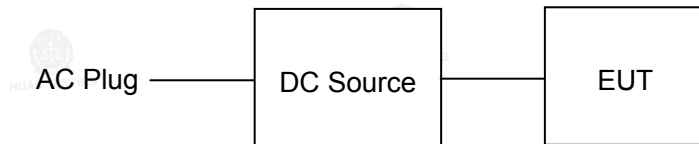
Mode	Duty Cycle
LoRa	0.8760





2.4 Description of Test Setup

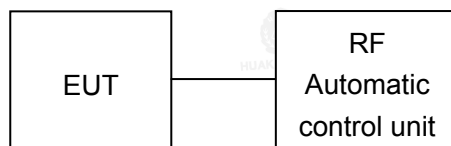
Operation of EUT during AC Conducted testing:



Operation of EUT during Radiation testing:



Operation of EUT during RF Conducted testing:



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 report only reflects the worst emission test results. The worst case is X position.



2.5 Description of Support Units

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	Trade Mark	Model Name	Specification	Note
1	2.4GHz LoRa Wireless Transceiver Module	G-NiceRF	LORA1281F27-TCXO	N/A	EUT

Note:

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.
3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

2.6 The Worse Case Power Setting Parameter

During testing, channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the end product.

It is achieved through the C language program controlling the development board V1.0.5. The power class used in this test is 6.

**HUAKE TESTING****3 Equipments List for All Test Items**

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	L.I.S.N.	R&S	ENV216	HKE-002	2026/02/11	1 Year
2	L.I.S.N.	R&S	ENV216	HKE-059	2026/02/04	1 Year
3	EMI Test Receiver	R&S	ESR-7	HKE-005	2026/02/06	1 Year
4	Spectrum analyzer	Agilent	N9020A	HKE-025	2026/02/06	1 Year
5	Spectrum analyzer	KEYSIGHT	N9020A	HKE-117	2026/02/06	1 Year
6	Spectrum analyzer	R&S	FSV3044	HKE-126	2026/02/06	1 Year
7	Preamplifier	Schwarzbeck	EMC051845SE	HKE-006	2026/02/04	1 Year
8	Preamplifier	Agilent	83051A	HKE-016	2026/02/04	1 Year
9	Preamplifier	QJD	QJD18-40-50	HKE-030	2026/02/05	1 Year
10	6dB Attenuator	Pasternack	6dB	HKE-152	2026/02/06	1 Year
11	EMI Test Receiver	R&S	ESR-7	HKE-010	2026/02/06	1 Year
12	Broadband Antenna	Schwarzbeck	VULB9168	HKE-167	2026/02/06	2 Year
13	Loop Antenna	COM-POWER	AL-130R	HKE-014	2026/02/06	2 Year
14	Horn Antenna	Schwarzbeck	9120D	HKE-013	2026/02/06	2 Year
15	Broadband Horn Antenna	A-INFO	LB-180400-KF	HKE-031	2026/02/06	2 Year
16	EMI Test Software	Tonscend	JS32-CE 2.5.0.6	HKE-081	/	/
17	EMI Test Software	Tonscend	JS32-RE 5.0.0	HKE-082	/	/
18	RF Automatic control unit	Tonscend	JS0806-2	HKE-060	2026/02/06	1 Year
19	High pass filter unit	Tonscend	JS0806-F	HKE-055	2026/02/06	1 Year
20	Wireless Communication Test Set	R&S	CMW500	HKE-027	2026/02/06	1 Year
21	High-low temperature chamber	Guangke	HT-80L	HKE-118	2026/02/06	1 Year
22	Temperature and humidity meter	Boyang	HTC-1	HKE-075	2026/03/06	1 Year
23	RF Test Software	Tonscend	JS1120-3 Version 3.6.21	HKE-083	/	/
24	10dB Attenuator	Schwarzbeck	VTSD9561F	HKE-153	2026/02/04	1 Year
25	RSE Test Software	Tonscend	JS36-RSE 5.0.0	HKE-184	/	/

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4 Test Result

4.1 Antenna Requirement

4.1.1 Standard Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 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. And according to FCC 47 CFR Section 15.247, if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

Refer to statement below for compliance.

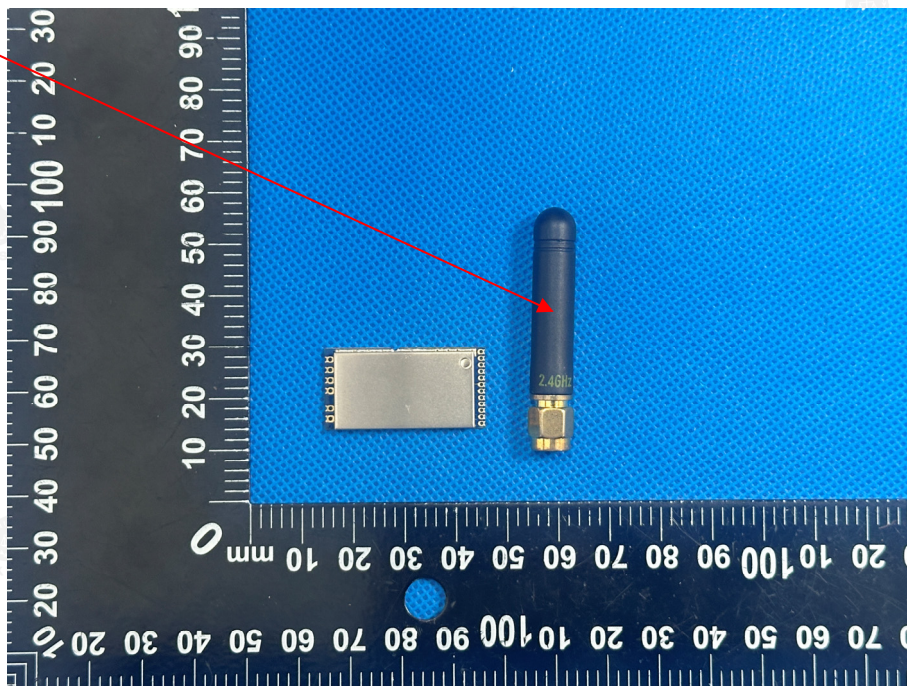
The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

Antenna Connected Construction

The antenna used in this product is an External Antenna, with non-standard SMA connector, need professional installation. It conforms to the standard requirements. The directional gains of antenna used for transmitting is 2dBi.

4.1.2 EUT Antenna

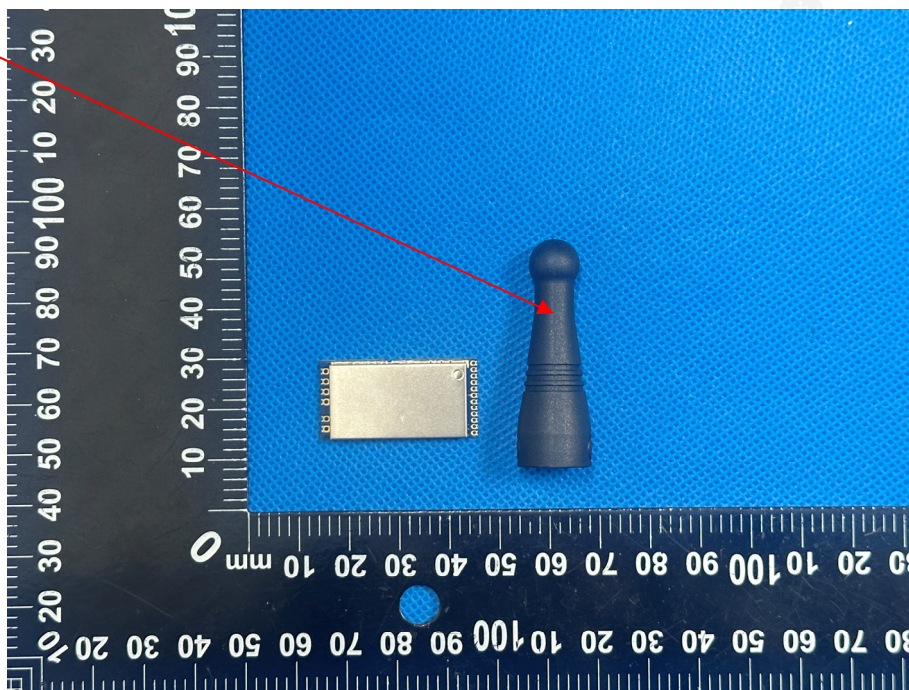
ANT 1:





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ANT 2:





4.2 AC Conduction Emissions Measurement

4.2.1 Applied Procedures / Limit

According to FCC CFR Title 47 Part 15 Subpart C Section 15.207, AC Power Line Conducted Emissions Limits for Licence-Exempt Radio Apparatus as below:

Frequency range (MHz)	Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

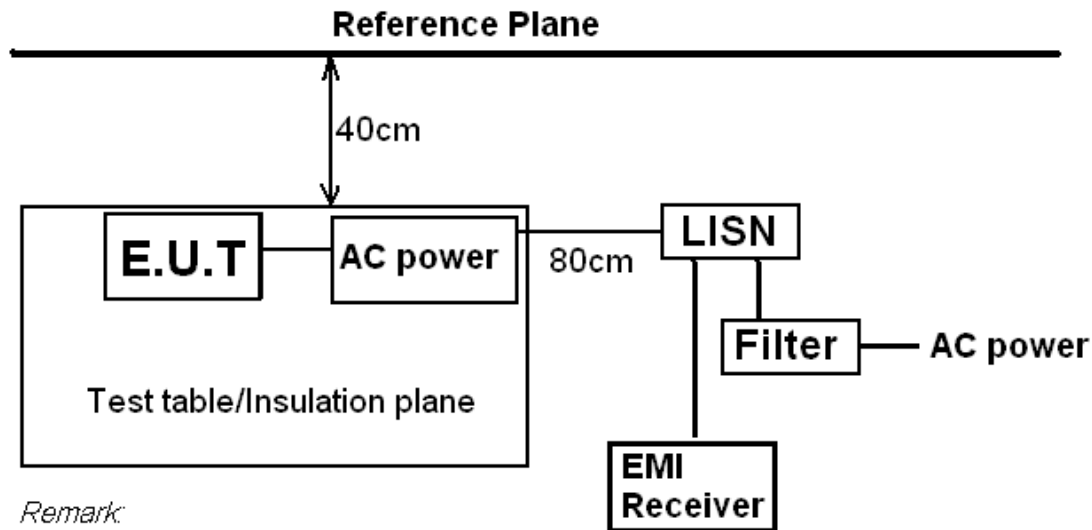
* Decreases with the logarithm of the frequency.

4.2.2 Test Procedure

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system; a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10.
2. Support equipment, if needed, was placed as per ANSI C63.10.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
4. The adapter received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
5. All support equipments received AC power from a second LISN, if any.
6. The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
8. During the above scans, the emissions were maximized by cable manipulation.



4.2.3 Test Setup



Remark:

E.U.T: Equipment Under Test

LISN: Line Impedance Stabilization Network

Test table height=0.8m

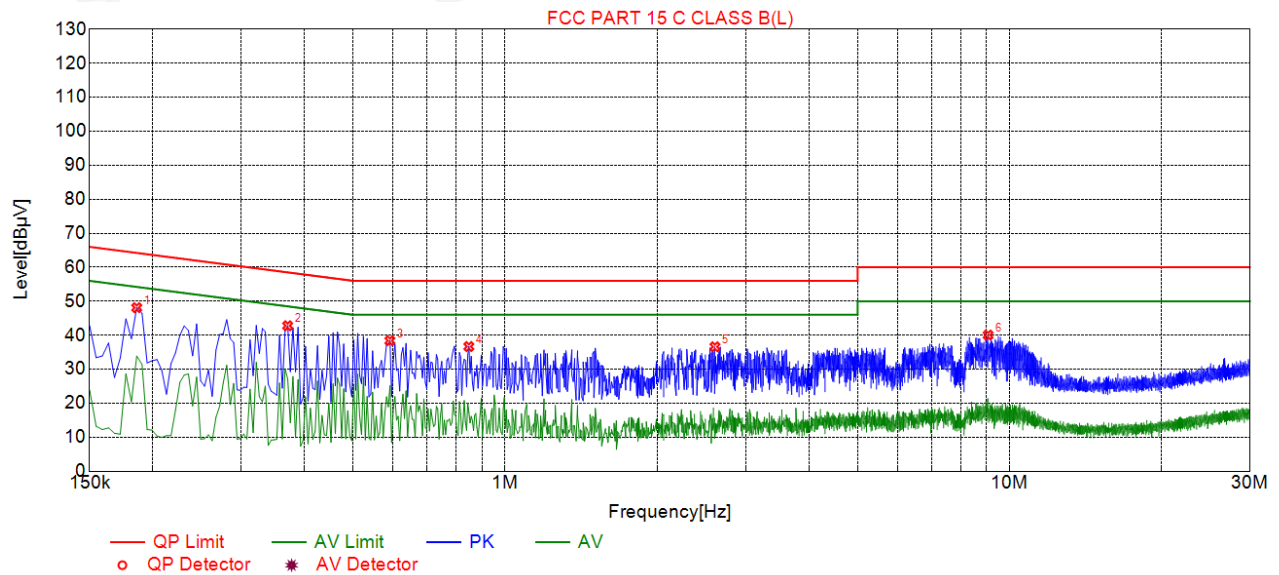


4.2.4 Test Results

All modes have been tested, only the worst result was reported as below:

ANT 1:

Test Specification: Line



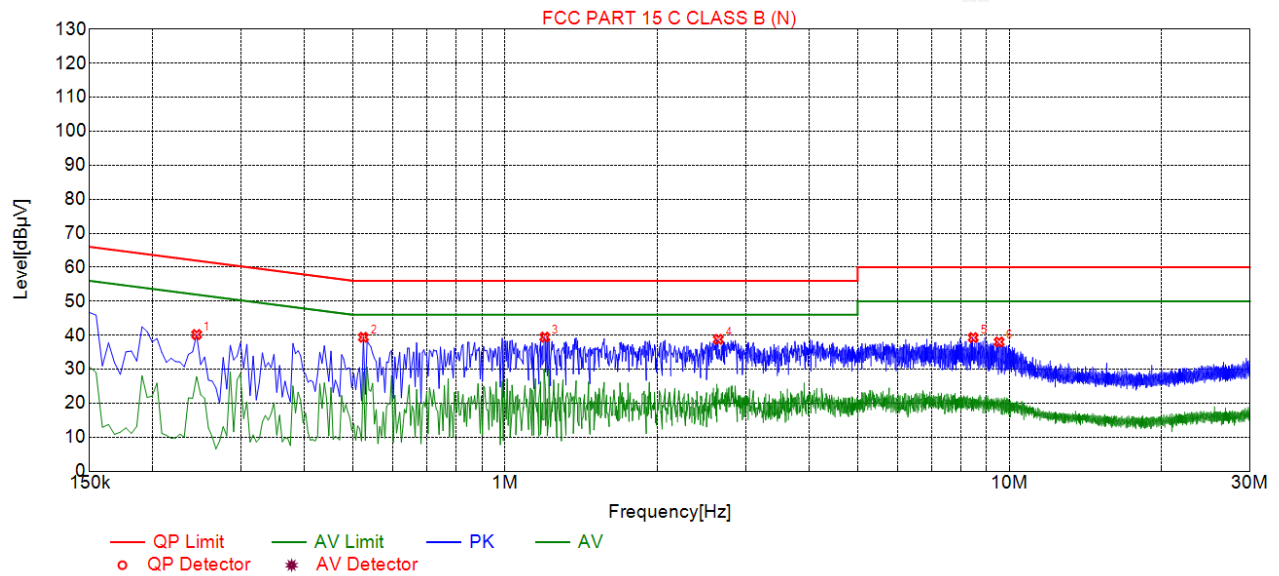
Suspected List

NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.1860	48.11	19.78	64.21	16.10	28.33	PK	L
2	0.3705	42.79	19.81	58.49	15.70	22.98	PK	L
3	0.5910	38.40	19.90	56.00	17.60	18.50	PK	L
4	0.8475	36.68	19.91	56.00	19.32	16.77	PK	L
5	2.6070	36.61	20.11	56.00	19.39	16.50	PK	L
6	9.0735	40.05	20.95	60.00	19.95	19.10	PK	L

Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor



Suspected List

NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.2445	40.20	19.78	61.94	21.74	20.42	PK	N
2	0.5235	39.40	19.95	56.00	16.60	19.45	PK	N
3	1.1985	39.44	20.01	56.00	16.56	19.43	PK	N
4	2.6475	38.80	20.18	56.00	17.20	18.62	PK	N
5	8.4750	39.31	20.87	60.00	20.69	18.44	PK	N
6	9.5415	38.02	20.98	60.00	21.98	17.04	PK	N

Remark: $\text{Margin} = \text{Limit} - \text{Level}$

Correction factor = Cable lose + LISN insertion loss

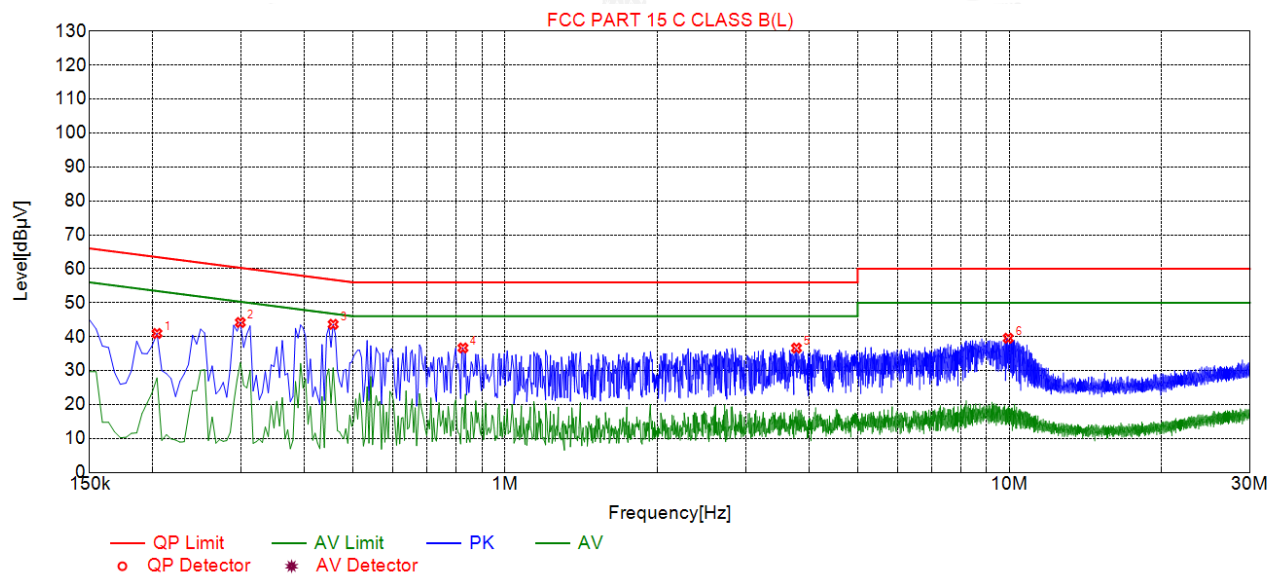
Level = Test receiver reading + correction factor



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ANT 2:

Test Specification: Line



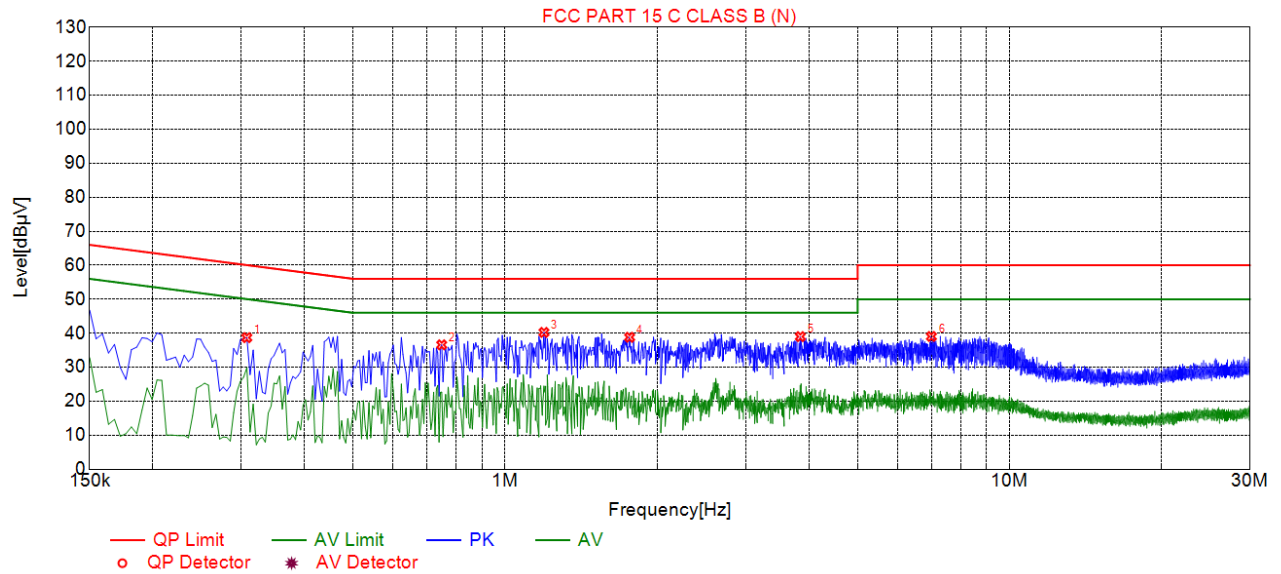
Suspected List

NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.2040	40.95	19.75	63.45	22.50	21.20	PK	L
2	0.2985	44.18	19.78	60.28	16.10	24.40	PK	L
3	0.4560	43.64	19.84	56.77	13.13	23.80	PK	L
4	0.8250	36.67	19.92	56.00	19.33	16.75	PK	L
5	3.7815	36.64	20.18	56.00	19.36	16.46	PK	L
6	9.9420	39.55	21.21	60.00	20.45	18.34	PK	L

Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor



Suspected List

NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.3075	38.71	19.82	60.04	21.33	18.89	PK	N
2	0.7485	36.59	19.95	56.00	19.41	16.64	PK	N
3	1.1940	40.25	20.01	56.00	15.75	20.24	PK	N
4	1.7655	38.81	20.12	56.00	17.19	18.69	PK	N
5	3.8490	39.00	20.19	56.00	17.00	18.81	PK	N
6	7.0035	39.04	20.71	60.00	20.96	18.33	PK	N

Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor



4.3 Radiated Emissions Measurement

4.3.1 Applied Procedures / Limit

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emission out of authorized band shall not exceed the following table at a 3 meters measurement distance.

In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a).

Except when the requirements applicable to a given device state otherwise, emissions from license-exempt transmitters shall comply with the field strength limits shown in table below. Additionally, the level of any transmitter emission shall not exceed the level of the transmitter's fundamental emission.

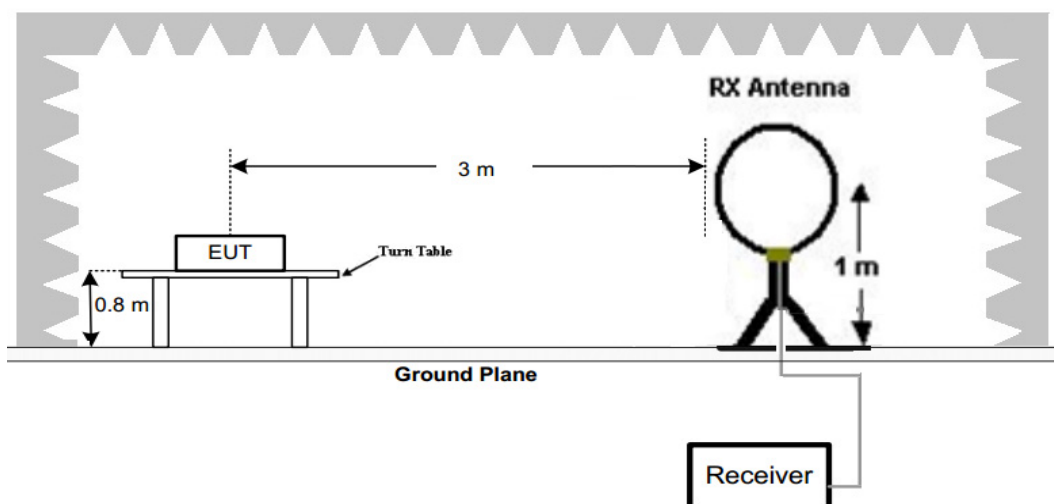
Radiated Emission Limits

Frequency (MHz)	Distance (Meters)	Radiated (dBμV/m)	Radiated (μV/m)
0.009-0.49	3	$20\log(2400/F(\text{KHz}))+40\log(300/3)$	$2400/F(\text{KHz})$
0.49-1.705	3	$20\log(24000/F(\text{KHz}))+40\log(30/3)$	$24000/F(\text{KHz})$
1.705-30	3	$20\log(30)+40\log(30/3)$	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

4.3.2 Test Setup

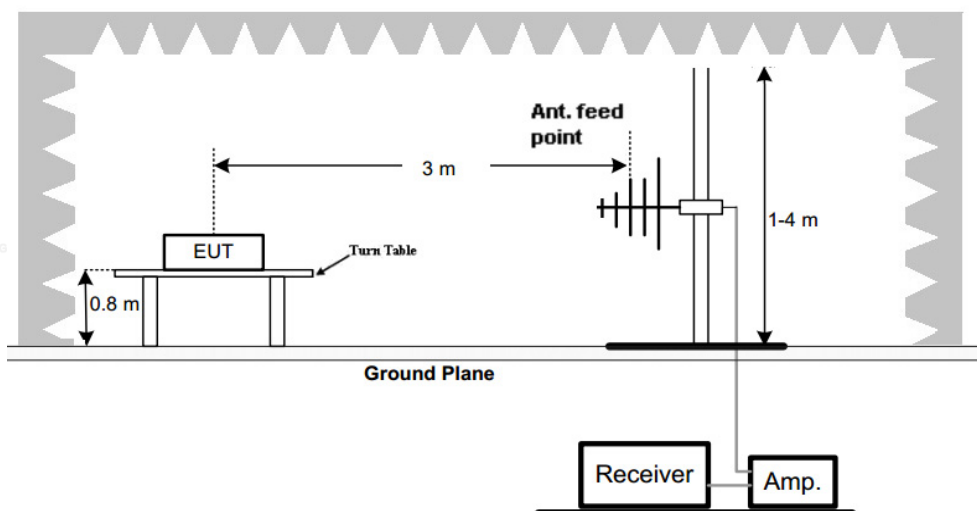
Test Configuration:

- 1) 9 kHz to 30 MHz emissions:

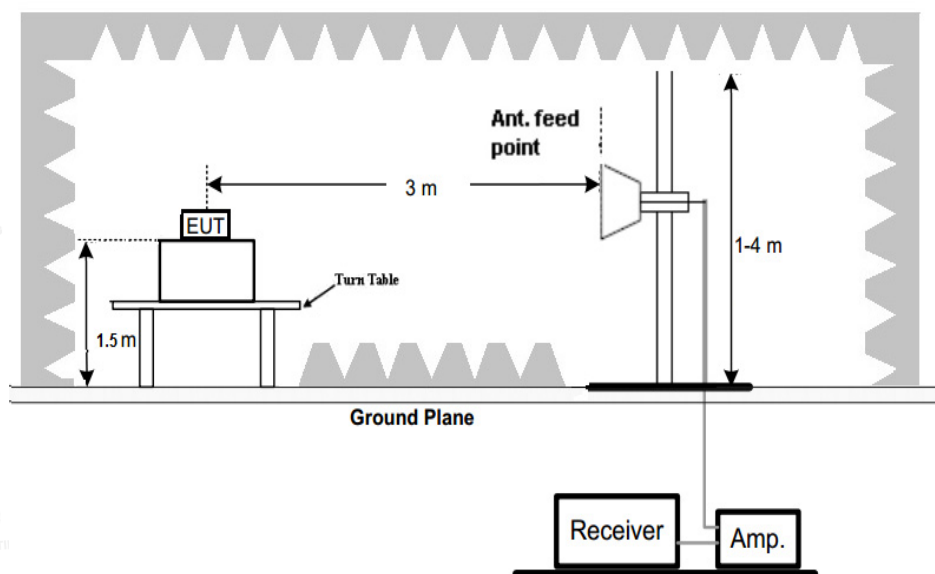




2) 30 MHz to 1 GHz emissions:



3) 1 GHz to 26 GHz emissions:



Test Procedure

1. The EUT was placed on turn table which is 0.8m above ground plane for below 1GHz test, and on a low permittivity and low loss tangent turn table which is 1.5m above ground plane for above 1GHz test.
2. Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0 degrees to 360 degrees to acquire the highest emissions from EUT.
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measurements have been completed.



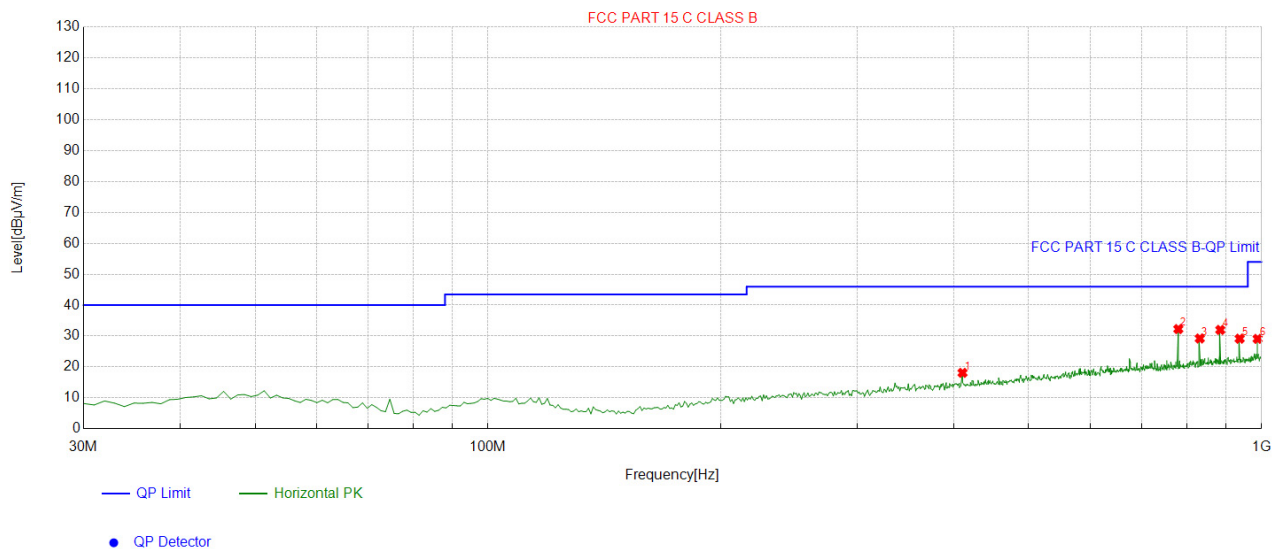
4.3.3 Test Result

Below 1GHz Test Results

All modes have been tested, only the worst mode of LoRa Low channel TX is reflected.

ANT 1:

Antenna polarity: Horizontal



Suspected List

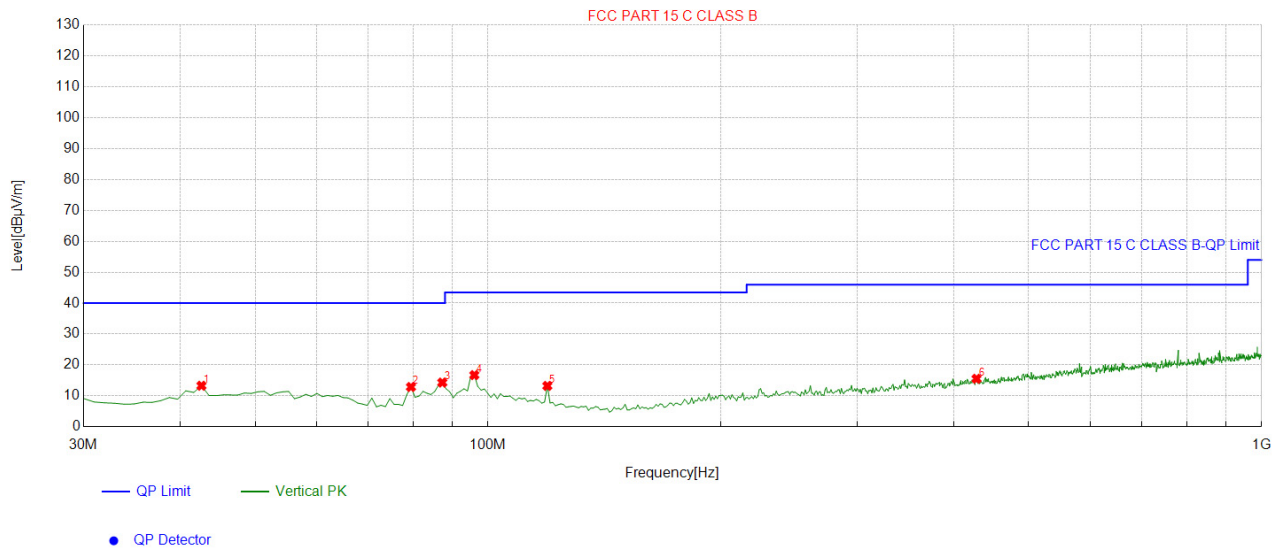
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	410.621	-9.40	27.51	18.11	46.00	27.89	100	9	Horizontal
2	780.561	-2.74	35.01	32.27	46.00	13.73	100	93	Horizontal
3	832.022	-2.26	31.48	29.22	46.00	16.78	100	276	Horizontal
4	884.454	-1.55	33.55	32.00	46.00	14.00	100	266	Horizontal
5	936.887	-0.98	30.14	29.16	46.00	16.84	100	107	Horizontal
6	988.348	-0.48	29.58	29.10	54.00	24.90	100	111	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level



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Antenna polarity: Vertical



Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	42.623	-13.03	26.33	13.30	40.00	26.70	100	171	Vertical
2	79.520	-18.65	31.55	12.90	40.00	27.10	100	288	Vertical
3	87.287	-17.12	31.44	14.32	40.00	25.68	100	326	Vertical
4	96.026	-15.16	31.90	16.74	43.50	26.76	100	203	Vertical
5	119.329	-16.17	29.42	13.25	43.50	30.25	100	263	Vertical
6	428.098	-9.23	24.78	15.55	46.00	30.45	100	274	Vertical

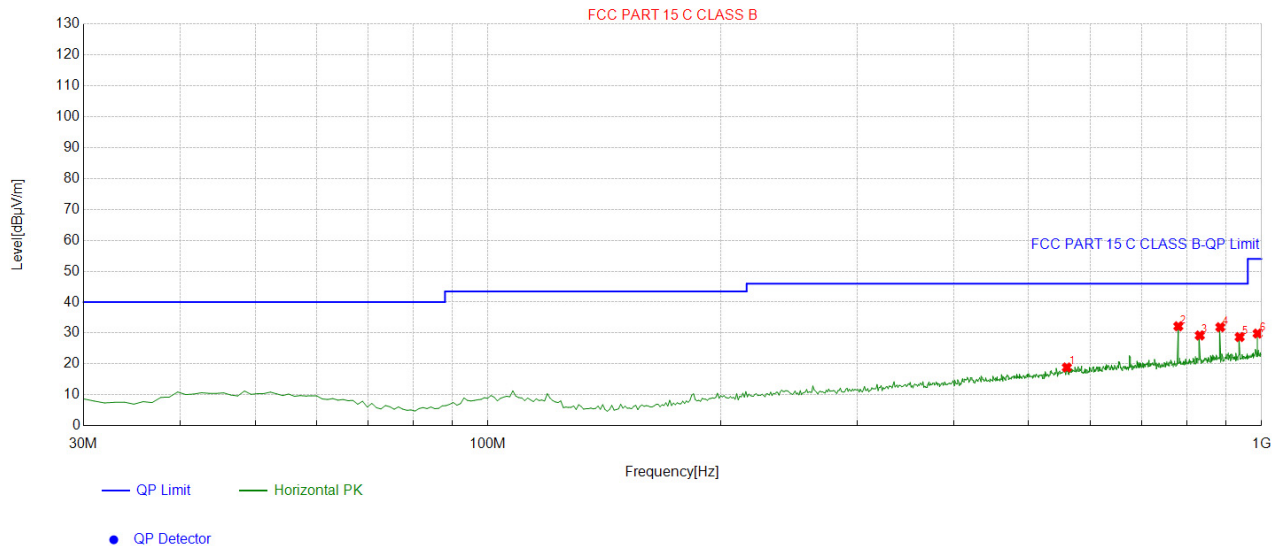
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level



HUAKE TESTING

ANT 2:

Antenna polarity: Horizontal



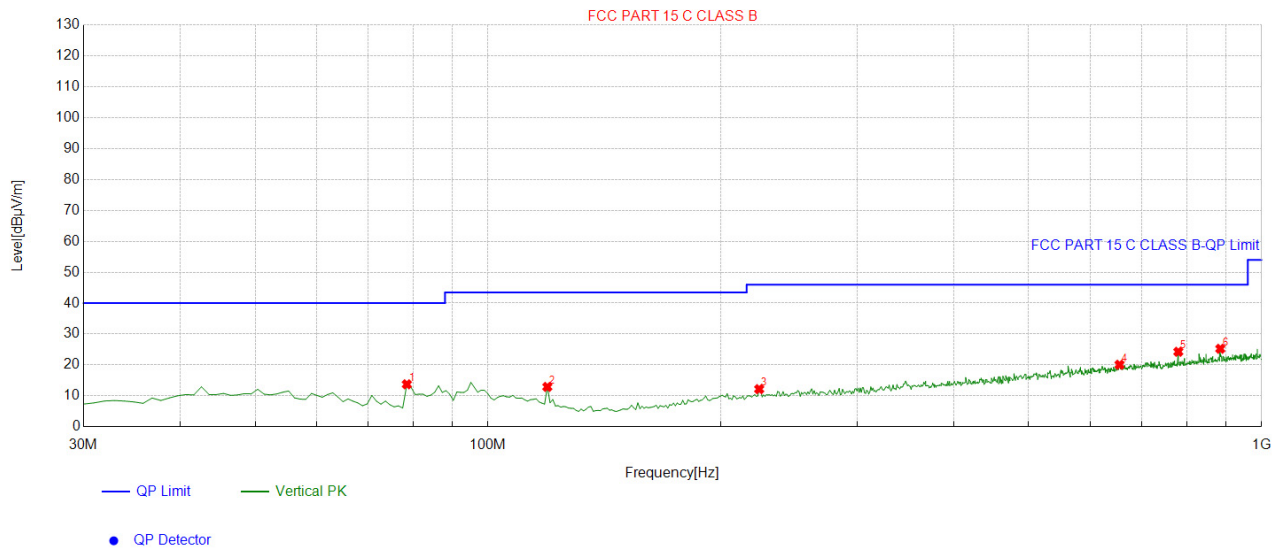
Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	560.150	-6.60	25.48	18.88	46.00	27.12	100	174	Horizontal
2	780.561	-2.74	34.94	32.20	46.00	13.80	100	87	Horizontal
3	832.022	-2.26	31.49	29.23	46.00	16.77	100	274	Horizontal
4	884.454	-1.55	33.45	31.90	46.00	14.10	100	289	Horizontal
5	936.887	-0.98	29.70	28.72	46.00	17.28	100	109	Horizontal
6	988.348	-0.48	30.34	29.86	54.00	24.14	100	95	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level



Antenna polarity: Vertical



Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	78.549	-18.68	32.44	13.76	40.00	26.24	100	190	Vertical
2	119.329	-16.17	29.10	12.93	43.50	30.57	100	83	Vertical
3	224.194	-14.13	26.33	12.20	46.00	33.80	100	359	Vertical
4	655.305	-4.69	24.78	20.09	46.00	25.91	100	165	Vertical
5	780.561	-2.74	27.03	24.29	46.00	21.71	100	40	Vertical
6	884.454	-1.55	26.80	25.25	46.00	20.75	100	215	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

Harmonics and Spurious Emissions

Frequency Range (9kHz-30MHz)

Frequency (MHz)	Level@3m (dBμV/m)	Limit@3m (dBμV/m)
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Note: 1. Emission Level=Reading+ Cable loss+ Antenna factor-Amp factor.

2. The emission levels are 20 dB below the limit value, which are not reported. It is deemed to comply with the requirement.

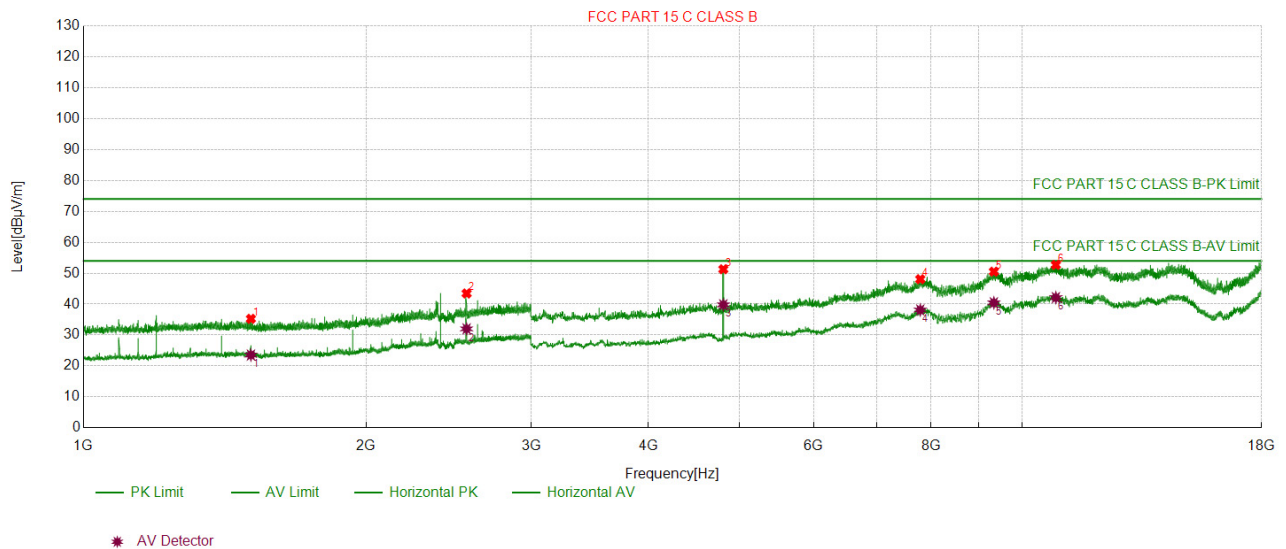
Above 1GHz Test Results

All modes have been tested, only the worst mode of LoRa Low channel TX is reflected.

For 1GHz to 18GHz

ANT 1:

Antenna polarity: Horizontal



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1508.051	53.82	35.27	-18.55	74.00	38.73	150	128	Horizontal
2	2559.956	57.66	43.46	-14.20	74.00	30.54	150	328	Horizontal
3	4806.181	62.04	51.29	-10.75	74.00	22.71	150	76	Horizontal
4	7791.479	50.96	48.07	-2.89	74.00	25.93	150	263	Horizontal
5	9333.633	50.71	50.51	-0.20	74.00	23.49	150	199	Horizontal
6	10866.787	49.71	52.69	2.98	74.00	21.31	150	281	Horizontal

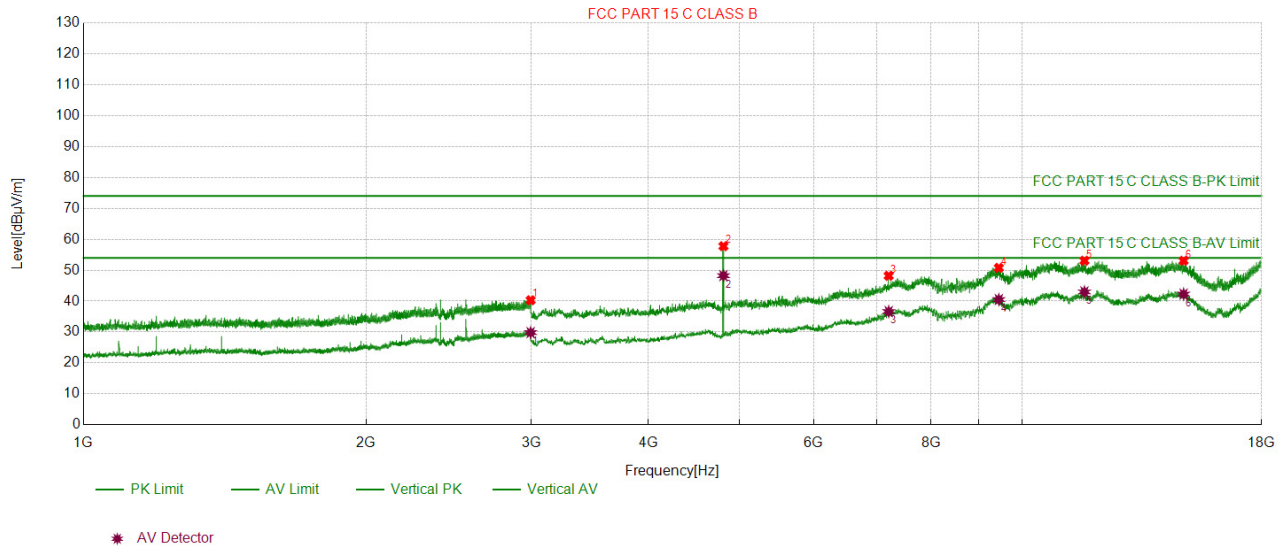
AV Final Data List								
NO	Freq. [MHz]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1508.051	-18.55	23.55	54.00	30.45	150	128	Horizontal
2	2559.956	-14.20	32.02	54.00	21.98	150	328	Horizontal
3	4806.181	-10.75	39.80	54.00	14.20	150	76	Horizontal
4	7791.479	-2.89	38.12	54.00	15.88	150	263	Horizontal
5	9333.633	-0.20	40.44	54.00	13.56	150	199	Horizontal
6	10866.787	2.98	42.13	54.00	11.87	150	281	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 15 days only. The document is issued by Shenzhen HUAKE Testing Technology Co., Ltd., this document cannot be reproduced except in full with our prior written permission.



Antenna polarity: Vertical



Suspected Data List

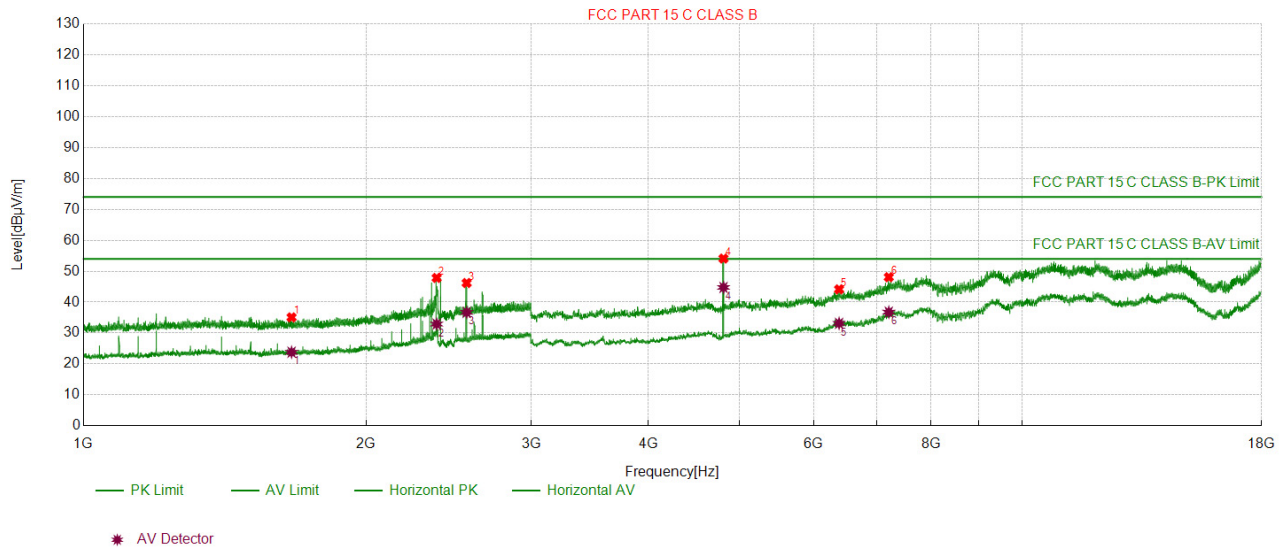
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2995.400	52.95	40.29	-12.66	74.00	33.71	150	227	Vertical
2	4807.681	68.52	57.77	-10.75	74.00	16.23	150	308	Vertical
3	7210.921	52.22	48.21	-4.01	74.00	25.79	150	196	Vertical
4	9447.645	50.56	50.77	0.21	74.00	23.23	150	101	Vertical
5	11655.866	48.47	53.08	4.61	74.00	20.92	150	278	Vertical
6	14866.187	47.56	53.06	5.50	74.00	20.94	150	19	Vertical

AV Final Data List

NO	Freq. [MHz]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2995.400	-12.66	29.84	54.00	24.16	150	227	Vertical
2	4807.489	-10.75	48.24	54.00	5.76	150	308	Vertical
3	7210.921	-4.01	36.64	54.00	17.36	150	196	Vertical
4	9447.645	0.21	40.51	54.00	13.49	150	101	Vertical
5	11655.866	4.61	42.99	54.00	11.01	150	278	Vertical
6	14866.187	5.50	42.28	54.00	11.72	150	19	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

Antenna polarity: Horizontal



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1666.267	53.44	35.08	-18.36	74.00	38.92	150	36	Horizontal
2	2378.538	62.35	47.84	-14.51	74.00	26.16	150	309	Horizontal
3	2560.356	60.39	46.19	-14.20	74.00	27.81	150	321	Horizontal
4	4807.681	64.85	54.10	-10.75	74.00	19.90	150	326	Horizontal
5	6384.338	51.86	44.15	-7.71	74.00	29.85	150	180	Horizontal
6	7212.421	52.08	48.08	-4.00	74.00	25.92	150	320	Horizontal

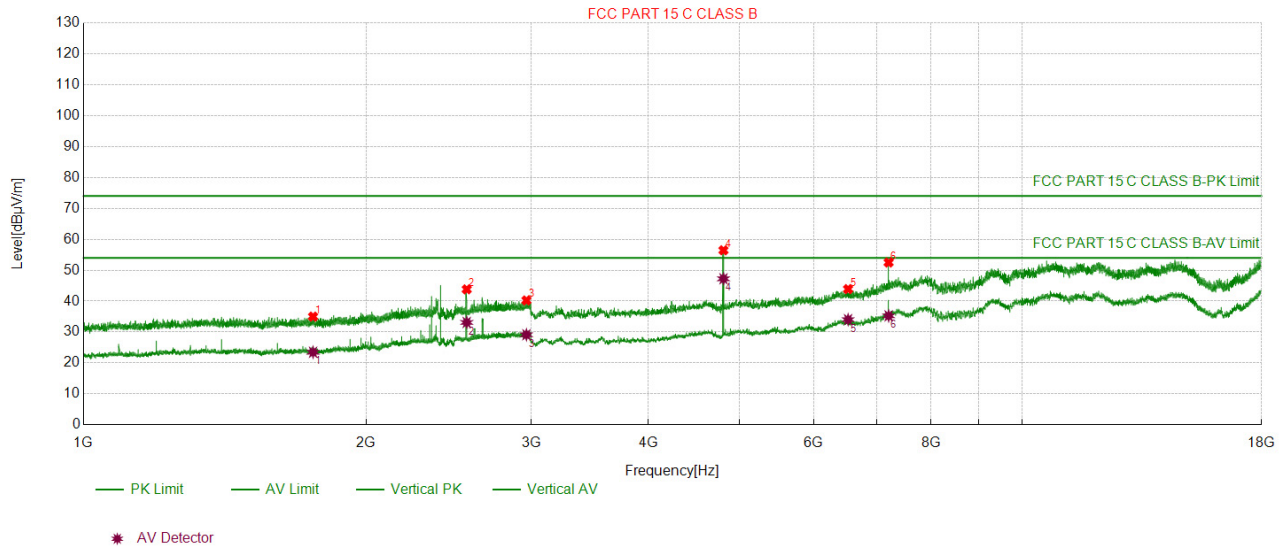
AV Final Data List

NO	Freq. [MHz]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1666.267	-18.36	23.81	54.00	30.19	150	36	Horizontal
2	2378.538	-14.51	32.91	54.00	21.09	150	309	Horizontal
3	2560.356	-14.20	36.69	54.00	17.31	150	321	Horizontal
4	4808.162	-10.75	44.76	54.00	9.24	150	326	Horizontal
5	6384.338	-7.71	33.15	54.00	20.85	150	180	Horizontal
6	7212.421	-4.00	36.77	54.00	17.23	150	320	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level



Antenna polarity: Vertical



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1756.476	53.06	35.01	-18.05	74.00	38.99	150	98	Vertical
2	2560.756	58.03	43.83	-14.20	74.00	30.17	150	256	Vertical
3	2964.796	53.02	40.25	-12.77	74.00	33.75	150	332	Vertical
4	4807.681	67.20	56.45	-10.75	74.00	17.55	150	313	Vertical
5	6526.853	50.80	43.90	-6.90	74.00	30.10	150	159	Vertical
6	7209.421	56.51	52.50	-4.01	74.00	21.50	150	278	Vertical

AV Final Data List

NO	Freq. [MHz]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1756.476	-18.05	23.48	54.00	30.52	150	98	Vertical
2	2560.756	-14.20	33.12	54.00	20.88	150	256	Vertical
3	2964.796	-12.77	29.14	54.00	24.86	150	332	Vertical
4	4807.729	-10.75	47.24	54.00	6.76	150	313	Vertical
5	6526.853	-6.90	34.03	54.00	19.97	150	159	Vertical
6	7209.421	-4.01	35.25	54.00	18.75	150	278	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level