



RF TEST REPORT

Product Name: LoRa Module

Model Number: F8L10C-03H, F8L10C-03L, F8L10C-03LU, F8L10C-03LN,
F8L10C-03HU, F8L10C-03HN, F8L10C-02L, F8L10C-02H, F8L10C-02LU,
F8L10C-02LN, F8L10C-02HU, F8L10C-02HN

FCC ID: 2ALUW-F8L10C

Issued For : Xiamen Four-Faith Communication Technology Co., Ltd.
11th Floor, A-06 Area, No.370, Chengyi Street, Jimei, Xiamen,
Fujian, China.

Issued By : Shenzhen LGT Test Service Co., Ltd.
Room 205, Building 13, Zone B, Zhenxiong Industrial Park,
No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan
District, Shenzhen, Guangdong, China

Report Number: LGT26H189RF02

Sample Received Date: Aug. 20, 2026

Date of Test: Aug. 20, 2026 ~ Oct. 20, 2026

Date of Issue: Oct. 20, 2026

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TEST REPORT CERTIFICATION

Applicant: Xiamen Four-Faith Communication Technology Co., Ltd.
Address: 11th Floor, A-06 Area, No.370, Chengyi Street, Jimei, Xiamen, Fujian, China.
Manufacturer: Xiamen Four-Faith Communication Technology Co., Ltd.
Address: 11th Floor, A-06 Area, No.370, Chengyi Street, Jimei, Xiamen, Fujian, China.
Product Name: LoRa Module
Trademark: Four-Faith
Model Number: F8L10C-03H, F8L10C-03L, F8L10C-03LU, F8L10C-03LN, F8L10C-03HU, F8L10C-03HN, F8L10C-02L, F8L10C-02H, F8L10C-02LU, F8L10C-02LN, F8L10C-02HU, F8L10C-02HN
Sample Status: Normal

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC Part 15.249, Subpart C ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	PASS

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Technical Director





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Revision History

Rev.	Issue Date	Revisions
00	Oct. 20, 2026	Initial Issue



1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part 15.249, Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	--
15.249(a)	Field Strength of Fundamental & Harmonics	PASS	--
15.249(d)	Radiated Spurious Emission (band-edge & out-of-band)	PASS	--
15.205	Restricted Band Edge Emission	PASS	--
15.215	20dB Bandwidth	Pass	--
15.203	Antenna Requirement	PASS	--

NOTE:

- (1) 'N/A' denotes test is not applicable in this Test Report.
- (2) All tests are according to ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024.



1.1 TEST LABORATORY

Company Name:	Shenzhen LGT Test Service Co., Ltd.
Address:	Room 205, Building 13, Zone B, Zhenxiong Industrial Park, No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China
Accreditation Certificate:	FCC Registration No.: 746540
	CAB ID: CN0136

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	Uncertainty
1	Occupied Channel Bandwidth	$\pm 0.46\%$
2	RF Output Power, Conducted	$\pm 0.71\text{dB}$
3	Power Spectral Density, Conducted	$\pm 1.57\text{dB}$
4	Unwanted Emission, Conducted	$\pm 0.63\text{dB}$
5	Conducted emission	$\pm 2.80\text{dB}$
6	All Emissions, Radiated (0.009-30MHz)	$\pm 2.16\text{dB}$
7	All Emissions, Radiated (30MHz-1GHz)	$\pm 4.61\text{dB}$
8	All Emissions, Radiated (1GHz-18GHz)	$\pm 5.49\text{dB}$

Note: The measurement uncertainty is not included in the test result.



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name:	LoRa Module	
Test Model Number:	F8L10C-03H	
Series Number:	F8L10C-03L, F8L10C-03LU, F8L10C-03LN, F8L10C-03HU, F8L10C-03HN, F8L10C-02L, F8L10C-02H, F8L10C-02LU, F8L10C-02LN, F8L10C-02HU, F8L10C-02HN	
Model Difference:	Only difference in model name.	
Product Description:	Operation Frequency:	902-928MHz
	Modulation Type:	LORA
	Antenna Type:	Rod Antenna
	Antenna Gain(dBi):	0
Rating:	Input: DC 1.8~3.6V	
Hardware Version:	V1.0	
Software Version:	F8L10C-03_Standard_v1.0.2_260327	
Connecting I/O Port(s):	Please refer to the Note 1.	

Note:

- 1 For a more detailed features description, please refer to the manufacturer's specifications or the User Manual.
- 2 The antenna information refers to the manufacturer provide report, applicable only to the tested sample identified in the report. Due to the incorrect antenna information, a series of problems such as the accuracy of the test results will be borne by the customer.

Channel List											
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	902.2	43	906.5	86	910.8	129	915.1	172	919.4	215	923.7
1	902.3	44	906.6	87	910.9	130	915.2	173	919.5	216	923.8
2	902.4	45	906.7	88	911	131	915.3	174	919.6	217	923.9
3	902.5	46	906.8	89	911.1	132	915.4	175	919.7	218	924
4	902.6	47	906.9	90	911.2	133	915.5	176	919.8	219	924.1
5	902.7	48	907	91	911.3	134	915.6	177	919.9	220	924.2
6	902.8	49	907.1	92	911.4	135	915.7	178	920	221	924.3
7	902.9	50	907.2	93	911.5	136	915.8	179	920.1	222	924.4
8	903	51	907.3	94	911.6	137	915.9	180	920.2	223	924.5
9	903.1	52	907.4	95	911.7	138	916	181	920.3	224	924.6
10	903.2	53	907.5	96	911.8	139	916.1	182	920.4	225	924.7
11	903.3	54	907.6	97	911.9	140	916.2	183	920.5	226	924.8
12	903.4	55	907.7	98	912	141	916.3	184	920.6	227	924.9



13	903.5	56	907.8	99	912.1	142	916.4	185	920.7	228	925
14	903.6	57	907.9	100	912.2	143	916.5	186	920.8	229	925.1
15	903.7	58	908	101	912.3	144	916.6	187	920.9	230	925.2
16	903.8	59	908.1	102	912.4	145	916.7	188	921	231	925.3
17	903.9	60	908.2	103	912.5	146	916.8	189	921.1	232	925.4
18	904	61	908.3	104	912.6	147	916.9	190	921.2	233	925.5
19	904.1	62	908.4	105	912.7	148	917	191	921.3	234	925.6
20	904.2	63	908.5	106	912.8	149	917.1	192	921.4	235	925.7
21	904.3	64	908.6	107	912.9	150	917.2	193	921.5	236	925.8
22	904.4	65	908.7	108	913	151	917.3	194	921.6	237	925.9
23	904.5	66	908.8	109	913.1	152	917.4	195	921.7	238	926
24	904.6	67	908.9	110	913.2	153	917.5	196	921.8	239	926.1
25	904.7	68	909	111	913.3	154	917.6	197	921.9	240	926.2
26	904.8	69	909.1	112	913.4	155	917.7	198	922	241	926.3
27	904.9	70	909.2	113	913.5	156	917.8	199	922.1	242	926.4
28	905	71	909.3	114	913.6	157	917.9	200	922.2	243	926.5
29	905.1	72	909.4	115	913.7	158	918	201	922.3	244	926.6
30	905.2	73	909.5	116	913.8	159	918.1	202	922.4	245	926.7
31	905.3	74	909.6	117	913.9	160	918.2	203	922.5	246	926.8
32	905.4	75	909.7	118	914	161	918.3	204	922.6	247	926.9
33	905.5	76	909.8	119	914.1	162	918.4	205	922.7	248	927
34	905.6	77	909.9	120	914.2	163	918.5	206	922.8	249	927.1
35	905.7	78	910	121	914.3	164	918.6	207	922.9	250	927.2
36	905.8	79	910.1	122	914.4	165	918.7	208	923	251	927.3
37	905.9	80	910.2	123	914.5	166	918.8	209	923.1	252	927.4
38	906	81	910.3	124	914.6	167	918.9	210	923.2	253	927.5
39	906.1	82	910.4	125	914.7	168	919	211	923.3	254	927.6
40	906.2	83	910.5	126	914.8	169	919.1	212	923.4	255	927.7
41	906.3	84	910.6	127	914.9	170	919.2	213	923.5	256	927.8
42	906.4	85	910.7	128	915	171	919.3	214	923.6	-	-



2.2 DESCRIPTION OF THE TEST MODES

For conducted test items and radiated spurious emissions

Each of these EUT operation mode(s) or test configuration mode(s) mentioned below was evaluated respectively.

Worst Mode	Description	Modulation
Mode 1	902.2MHz	LORA
Mode 2	915MHz	LORA
Mode 3	927.8MHz	LORA

Note:

(1) All above mode has been measurement, only worst data was reported.

(2) We have be tested for all available U.S. voltage and frequency (For 120V,50/60Hz and 240V, 50/60Hz) for which the device is capable of operation, and the worst case of 120V/60Hz is shown in the report.

For AC Conducted Emission

Test Case	
AC Conducted Emission	Mode 4: Keeping TX

2.3 TEST SOFTWARE AND POWER LEVEL

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level.

Test software Version	Test program: LORA	
sscom5.13.1	Mode Or Modulation type	Power setting
	Lora_900	5



2.4 DESCRIPTION OF NECESSARY ACCESSORIES AND 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.

Accessories Equipment

Description	Manufacturer	Model	S/N	Rating
USB-A to USB-B Cable	N/A	N/A	N/A	1.5m

Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating
Adapter	HuntKey	HKA06520033-0C1	N/A	Input: 100-240V 50/60Hz 1.8A Output: 5V3A or 9V3A or 12V3A or 15V5A or 20V3.25A
USB-C to USB-C Cable	ASUS	N/A	N/A	1.8m, shielded, without ferrite core
Laptop	Lenovo	ThinkBook 14 G3 ITL	N/A	N/A
Laptop	ASUS	UX3407Q	N/A	N/A

Note:

- (1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (2) “YES” means “with core”; “NO” means “without core”.



2.5 EQUIPMENTS LIST

Conducted Emission					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
EMI Test Receiver	R&S	ESCI	100458	2026-04-21	2027-04-20
LISN	COM-POWER	LI-115	02032	2026-03-03	2027-03-02
LISN	SCHWARZBECK	NNLK 8122	00160	2026-03-03	2027-03-02
Transient Limiter	CYBERTEK	EM5010A	E225010004 9	2026-03-03	2027-03-02
Coaxial cables (9kHz-30MHz)	Juncoax	JMR600-NM NM-2M	N.A	2026-03-03	2027-03-02
Temperature & Humidity	JINGCHUANG	BT-3	N.A	2026-03-05	2027-03-04
Testing Software	EMC-I_V1.5.0.16_SKET				

Radiated Test equipment					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
EMI Test Receiver	R&S	ESU8	100372	2026-03-02	2027-03-01
Active loop Antenna	ETS	6502	00049544	2025-03-11	2028-03-10
Spectrum Analyzer	Keysight	N9010B	MY60242508	2026-03-03	2027-03-02
Trilog Broadband Antenna (30M-1G)	SCHWARZBECK	VULB 9168	2705	2024-05-17	2027-05-16
Horn Antenna(1-18G)	SCHWARZBECK	3115	10SL0060	2025-03-10	2028-03-09
Pre-amplifier(30M-1G)	EMtrace	RP01A	02019	2026-03-02	2027-03-01
Pre-amplifier(1-26.5G)	Agilent	8449B	3008A4722	2026-03-02	2027-03-01
Coaxial cables (9kHz-1GHz)	Juncoax	JMR600 -NMNM-8M	N.A	2026-03-03	2027-03-02
Coaxial cables (1GHz-18GHz)	TaiHe	UCD460B -NMSM-1M9	N.A	2026-03-03	2027-03-02
Temperature& Humidity test chamber	AISRY	LX-1000L	171200018	2026-08-07	2027-08-06
Antenna Tower	SAEMC	BK-4AT-BS- D	SK20210930 08	N.A	N.A
Temperature & Humidity	JINGCHUANG	BT-3	N.A	2026-03-05	2027-03-04
Testing Software	EMC-I_V1.5.0.16_SKET				

RF Conducted Test equipment					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
Signal Analyzer	Keysight	N9010B	MY60242508	2026-03-03	2027-03-02
Signal Analyzer	Keysight	N9020A	MY50530994	2026-03-02	2027-03-01
Power Sensor	R&S	NRP8S	104963	2026-03-02	2027-03-01
RF Automatic Test system	MW	MW100-RFC B	MW220324L G-33	2026-03-03	2027-03-02
MXG Vector Signal Generator	Keysight	N5182B	MY59100717	2026-03-03	2027-03-02
Temperature& Humidity test chamber	AISRY	LX-1000L	171200018	2026-08-07	2027-08-06
Attenuator	eastsheep	90db	N.A	2026-03-02	2027-03-01
Temperature & Humidity	JINGCHUANG	BT-3	N.A	2026-03-05	2027-03-04
DC source	Keysight	E3634A	MY58036468	2026-03-05	2027-03-04



Testing Software	MTS8310_V2.0.0.0_MW
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3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION LIMITS

The radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table.

FREQUENCY (MHz)	Conducted Emission limit (dBuV)	
	Quasi-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

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.

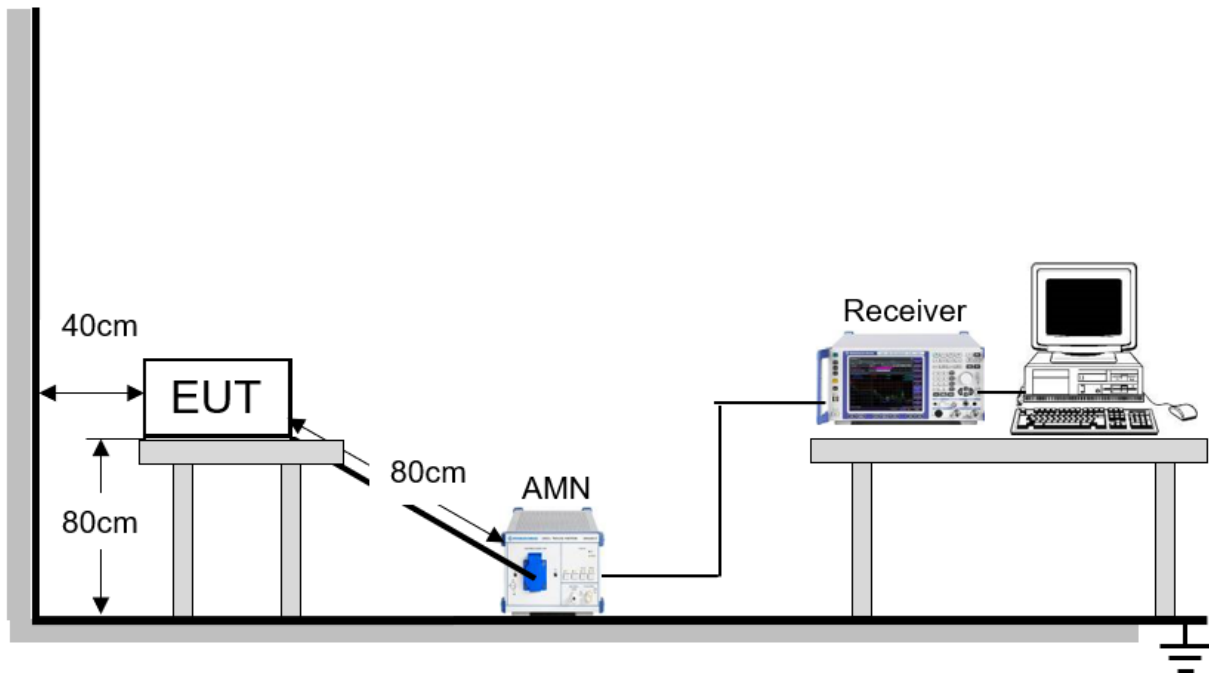
The following table is the setting of the receiver

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

3.2 TEST PROCEDURE

- The EUT is 0.8 m from the horizontal ground plane and 0.4 m from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments are powered from additional LISN(s). The LISN provides 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- 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.
- 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.
- LISN is at least 80 cm from the nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.3 TEST SETUP



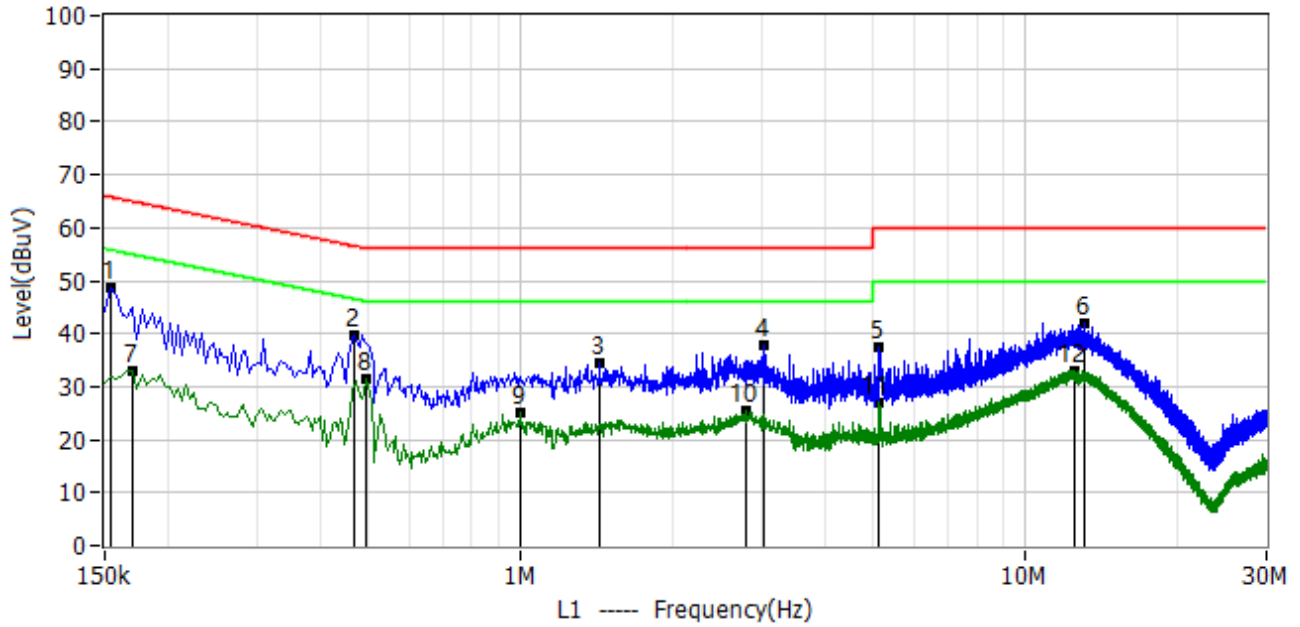
3.4 EUT OPERATING CONDITIONS

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.



3.5 TEST RESULTS

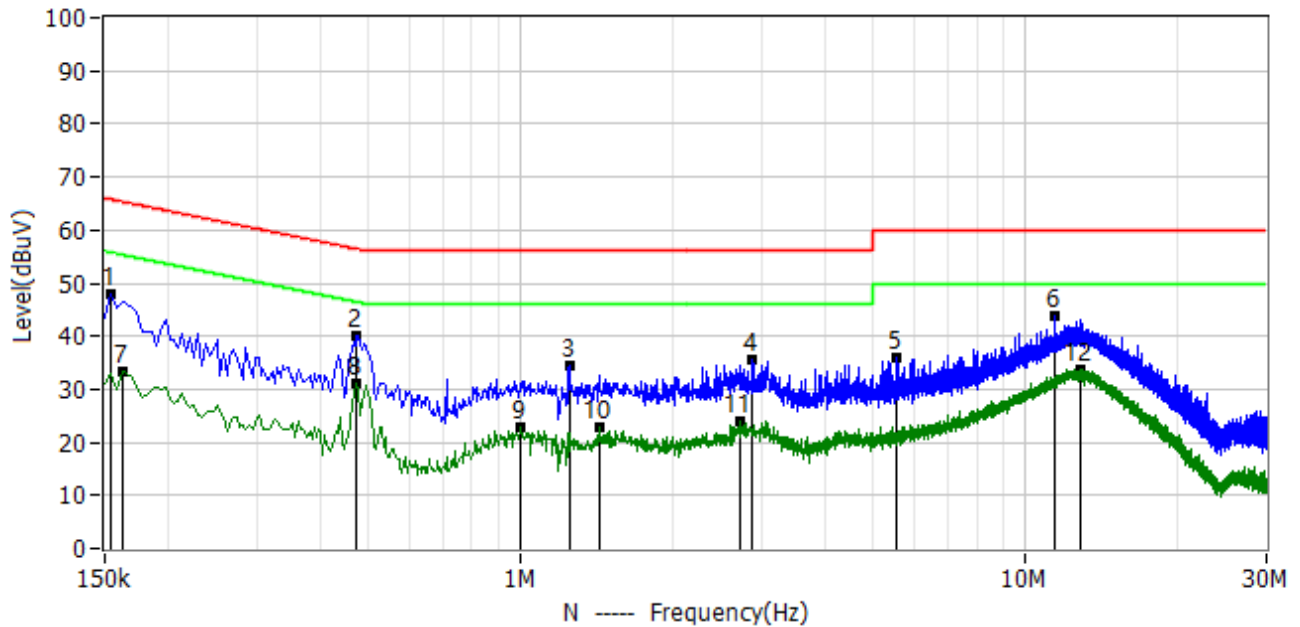
Project: LGT26H189	Test Engineer: Bill Chen
EUT: LoRa Module	Temperature: 26.3°C
M/N: F8L10C-03H	Humidity: 50%RH
Test Voltage: AC 230V50Hz	Test Date: 2026-09-07
Test Mode: TX Lora	
Note: AC Mains port	



No.	Frequency MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	0.154	38.22	10.64	48.86	65.78	-16.92	QP	L1
2*	0.466	29.21	10.63	39.84	56.58	-16.75	QP	L1
3*	1.434	23.70	10.75	34.45	56.00	-21.55	QP	L1
4*	3.042	26.90	10.93	37.83	56.00	-18.17	QP	L1
5*	5.130	26.41	11.03	37.44	60.00	-22.56	QP	L1
6*	13.126	30.46	11.38	41.84	60.00	-18.16	QP	L1
7*	0.170	22.46	10.63	33.09	54.96	-21.87	AV	L1
8*	0.494	20.90	10.63	31.53	46.10	-14.57	AV	L1
9*	1.002	14.26	10.66	24.92	46.00	-21.08	AV	L1
10*	2.794	14.48	10.91	25.39	46.00	-20.61	AV	L1
11*	5.130	15.88	11.03	26.91	50.00	-23.09	AV	L1
12*	12.550	21.60	11.36	32.96	50.00	-17.04	AV	L1



Project: LGT26H189	Test Engineer: Bill Chen
EUT: LoRa Module	Temperature: 26.3°C
M/N: F8L10C-03H	Humidity: 50%RH
Test Voltage: AC 230V50Hz	Test Date: 2026-09-07
Test Mode: TX Lora	
Note: AC Mains port	



No.	Frequency MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	0.154	37.27	10.65	47.92	65.78	-17.86	QP	N
2*	0.470	29.52	10.65	40.17	56.51	-16.35	QP	N
3*	1.246	23.65	10.72	34.37	56.00	-21.63	QP	N
4*	2.862	24.58	10.91	35.49	56.00	-20.51	QP	N
5*	5.546	24.99	11.02	36.01	60.00	-23.99	QP	N
6*	11.438	32.63	11.34	43.97	60.00	-16.03	QP	N
7*	0.162	22.70	10.65	33.35	55.36	-22.01	AV	N
8*	0.470	20.39	10.65	31.04	46.51	-15.48	AV	N
9*	0.998	12.22	10.67	22.89	46.00	-23.11	AV	N
10*	1.430	11.95	10.76	22.71	46.00	-23.29	AV	N
11*	2.714	12.98	10.91	23.89	46.00	-22.11	AV	N
12*	12.786	22.35	11.39	33.74	50.00	-16.26	AV	N



4. RADIATED EMISSION MEASUREMENT

4.1 RADIATED EMISSION LIMITS

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on Part 15.249, Part 15.209(a) limit in the table below has to be followed.

Standard FCC 15.209

Frequencies (MHz)	Field Strength (micovolts/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
960~1000	500	3
Above 1000	Other:74.0 dB(μ V)/m (Peak) 54.0 dB(μ V)/m (Average)	3

Standard FCC 15.249

Frequency of Emission (MHz)	Field Strength of fundamental (millivolts /meter)	Field Strength of Harmonics (microvolts/meter)
900~928	50	500
2400~2483.5	50	500
5725~5875	50	500
24000~242500	250	2500

Notes:

- (1) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

Spectrum Parameter	Setting
Detector	Peak/AV
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB (emission in restricted band)	>20BW
VB (emission in restricted band)	=3xRB



Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~90kHz / RB 200Hz for PK & AV
	90kHz~110kHz / RB 200Hz for QP
	110kHz~490kHz / RB 200Hz for PK & AV
	490kHz~30MHz / RB 9kHz for QP
	30MHz~1000MHz / RB 120kHz for QP

4.2 TEST PROCEDURE

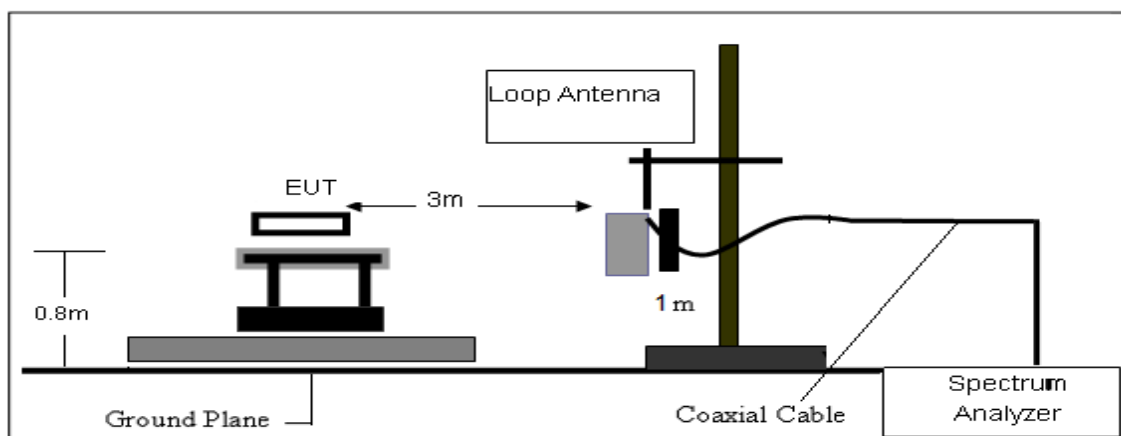
- The measuring distance at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
- The EUT was placed on the top of a rotating table 0.8 m (above 1GHz is 1.5 m) above the ground at a 3 m anechoic chamber test site. The table was rotated 360 degree to determine the position of the highest radiation.
- The height of the equipment shall be 0.8 m(above 1GHz is 1.5 m); the height of the test antenna shall vary between 1 m to 4 m. Horizontal and vertical polarization of the antenna are set to make the measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and QuasiPeak detector mode will be re-measured.
- If the Peak Mode measured value is compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and no additional QP Mode measurement was performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

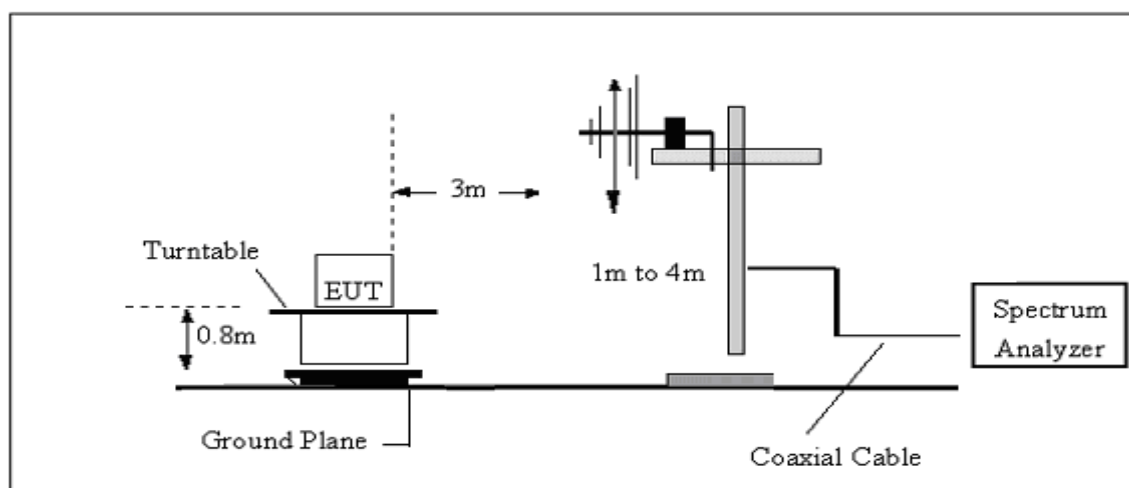
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

4.3 TEST SETUP

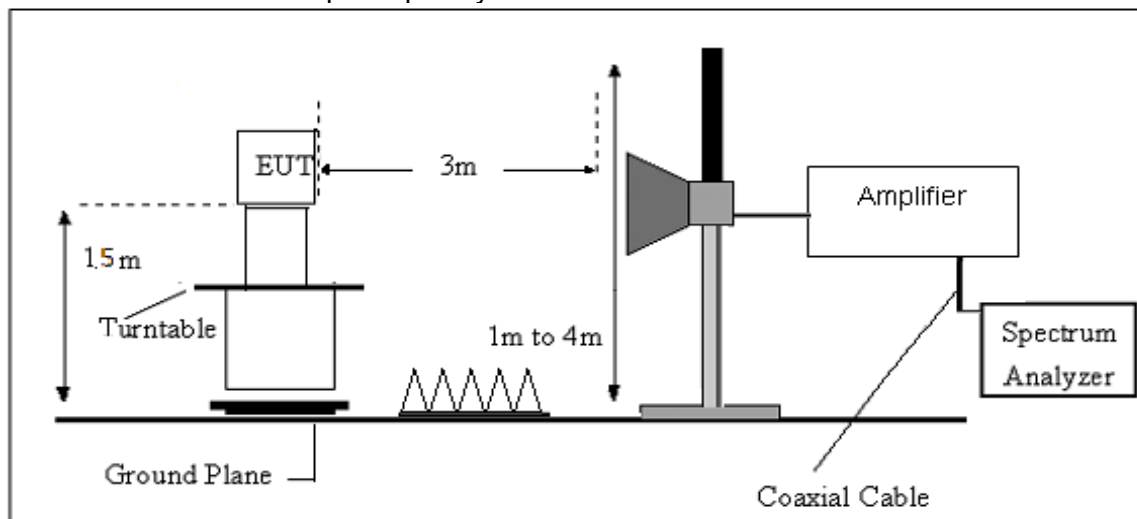
(A) Radiated Emission Test-Up Frequency Below 30MHz



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



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



4.4 EUT OPERATING CONDITIONS

Please refer to section 3.4 of this report.



4.5 FIELD STRENGTH CALCULATION

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where

FS = Field Strength

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

For example

Frequency	FS	RA	AF	CL	AG	Factor
(MHz)	(dBμV/m)	(dBμV/m)	(dB)	(dB)	(dB)	(dB)
300	40	58.1	12.2	1.6	31.9	-18.1

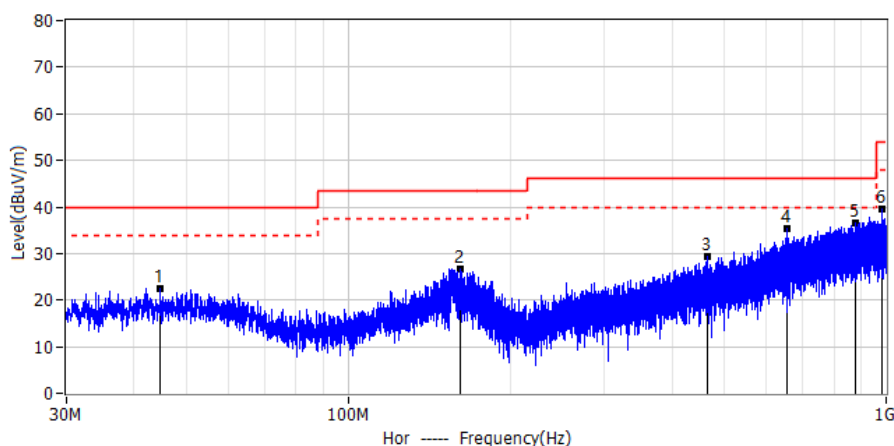
$$\text{Factor} = \text{AF} + \text{CL} - \text{AG}$$



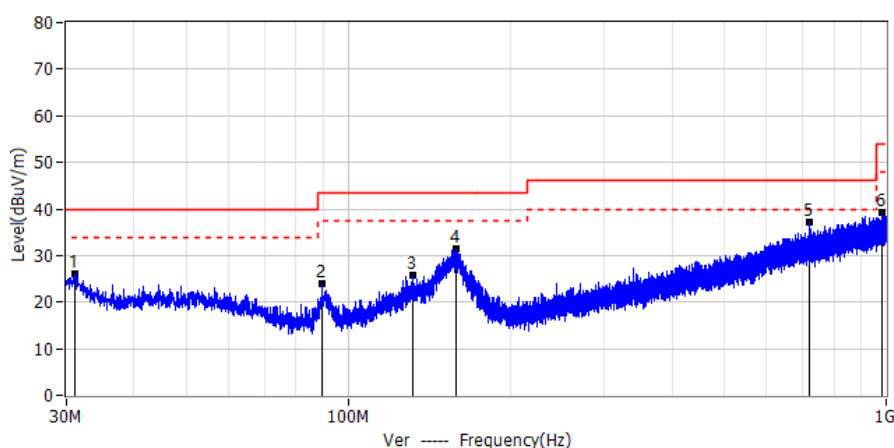
4.6 TEST RESULTS

Below 1G Radiation Spurious

Project: LGT26H189	Test Engineer: zhangchengxiang
EUT: LoRa Module	Temperature: 24.8°C
M/N: F8L10C-03H	Humidity: 43%RH
Test Voltage: DC 3.3V	Test Date: 2026-09-07
Test Mode: TX Lora	
Note:	



No.	Frequency MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	44.724	1.82	20.77	22.59	40.00	-17.41	QP	Hor
2*	161.522	4.99	21.76	26.75	43.50	-16.75	QP	Hor
3*	465.853	2.66	26.70	29.36	46.00	-16.64	QP	Hor
4*	655.177	4.69	30.58	35.27	46.00	-10.73	QP	Hor
5*	875.542	2.62	34.01	36.63	46.00	-9.37	QP	Hor
6*	983.784	4.17	35.41	39.58	54.00	-14.42	QP	Hor



No.	Frequency MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	31.045	6.34	19.70	26.04	40.00	-13.96	QP	Ver
2*	89.593	7.45	16.56	24.01	43.50	-19.49	QP	Ver
3*	131.775	4.82	20.91	25.73	43.50	-17.77	QP	Ver
4*	159.035	9.32	22.19	31.51	43.50	-11.99	QP	Ver
5*	718.252	5.67	31.52	37.19	46.00	-8.81	QP	Ver
6*	984.828	3.71	35.50	39.21	54.00	-14.79	QP	Ver



Above 1G Radiation Spurious

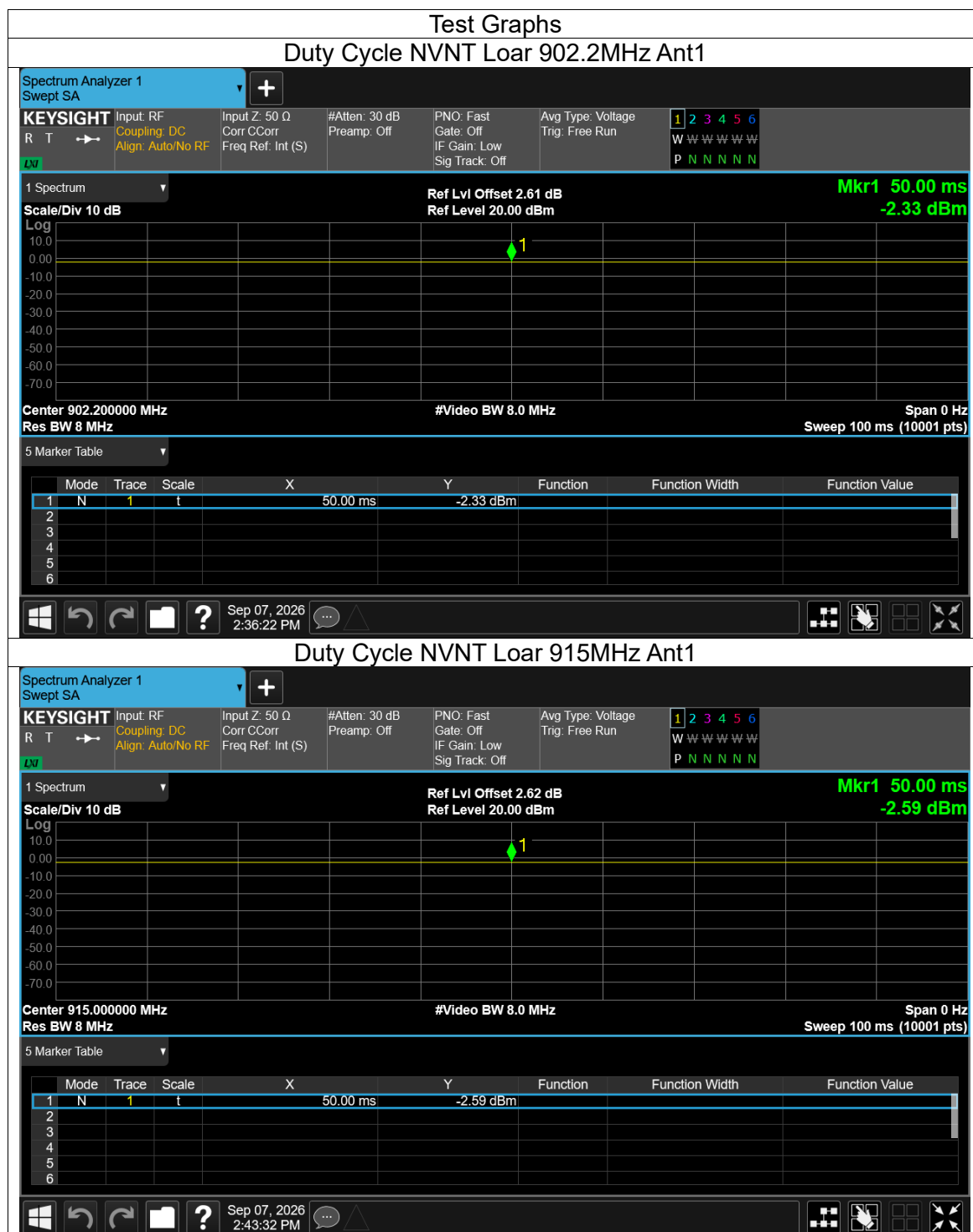
Frequency (MHz)	Reading (dBμV)	Corrected Factor (dB)	Result (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector	Polarity
Low Channel (902.2 MHz)							
1804.11	55.75	-12.59	43.16	74.00	-30.84	PK	Vertical
1804.11	45.70	-12.59	33.11	54.00	-20.89	AV	Vertical
1804.12	55.38	-12.59	42.79	74.00	-31.21	PK	Horizontal
1804.12	45.20	-12.59	32.61	54.00	-21.39	AV	Horizontal
2706.11	55.22	-10.65	44.57	74.00	-29.43	PK	Vertical
2706.11	44.29	-10.65	33.64	54.00	-20.36	AV	Vertical
2706.36	55.00	-10.65	44.35	74.00	-29.65	PK	Horizontal
2706.36	45.57	-10.65	34.92	54.00	-19.08	AV	Horizontal
3608.52	58.01	-8.73	49.28	74.00	-24.72	PK	Vertical
3608.52	47.56	-8.73	38.83	54.00	-15.17	AV	Vertical
3608.36	57.30	-8.73	48.57	74.00	-25.43	PK	Horizontal
3608.36	47.63	-8.73	38.90	54.00	-15.10	AV	Horizontal
4510.68	60.70	-7.82	52.88	74.00	-21.12	PK	Vertical
4510.68	49.66	-7.82	41.84	54.00	-12.16	AV	Vertical
4510.55	60.20	-7.82	52.38	74.00	-21.62	PK	Horizontal
4510.55	50.44	-7.82	42.62	54.00	-11.38	AV	Horizontal
Middle Channel (915 MHz)							
1829.59	55.85	-12.59	43.26	74.00	-30.74	PK	Vertical
1829.59	45.37	-12.59	32.78	54.00	-21.22	AV	Vertical
1829.72	55.01	-12.59	42.42	74.00	-31.58	PK	Horizontal
1829.72	46.49	-12.59	33.90	54.00	-20.10	AV	Horizontal
2744.60	55.01	-10.65	44.36	74.00	-29.64	PK	Vertical
2744.60	45.01	-10.65	34.36	54.00	-19.64	AV	Vertical
2744.77	54.77	-10.65	44.12	74.00	-29.88	PK	Horizontal
2744.77	44.48	-10.65	33.83	54.00	-20.17	AV	Horizontal
3659.71	56.89	-8.73	48.16	74.00	-25.84	PK	Vertical
3659.71	48.17	-8.73	39.44	54.00	-14.56	AV	Vertical
3659.63	56.65	-8.73	47.92	74.00	-26.08	PK	Horizontal
3659.63	47.13	-8.73	38.40	54.00	-15.60	AV	Horizontal
4574.79	60.85	-7.82	53.03	74.00	-20.97	PK	Vertical
4574.79	50.16	-7.82	42.34	54.00	-11.66	AV	Vertical
4574.65	60.52	-7.82	52.70	74.00	-21.30	PK	Horizontal
4574.65	49.53	-7.82	41.71	54.00	-12.29	AV	Horizontal
High Channel (927.8 MHz)							
1855.34	55.84	-12.59	43.25	74.00	-30.75	PK	Vertical
1855.34	45.95	-12.59	33.36	54.00	-20.64	AV	Vertical
1855.11	55.71	-12.59	43.12	74.00	-30.88	PK	Horizontal
1855.11	46.69	-12.59	34.10	54.00	-19.90	AV	Horizontal
2782.93	55.16	-10.65	44.51	74.00	-29.49	PK	Vertical
2782.93	45.00	-10.65	34.35	54.00	-19.65	AV	Vertical
2782.93	54.99	-10.65	44.34	74.00	-29.66	PK	Horizontal
2782.93	44.52	-10.65	33.87	54.00	-20.13	AV	Horizontal

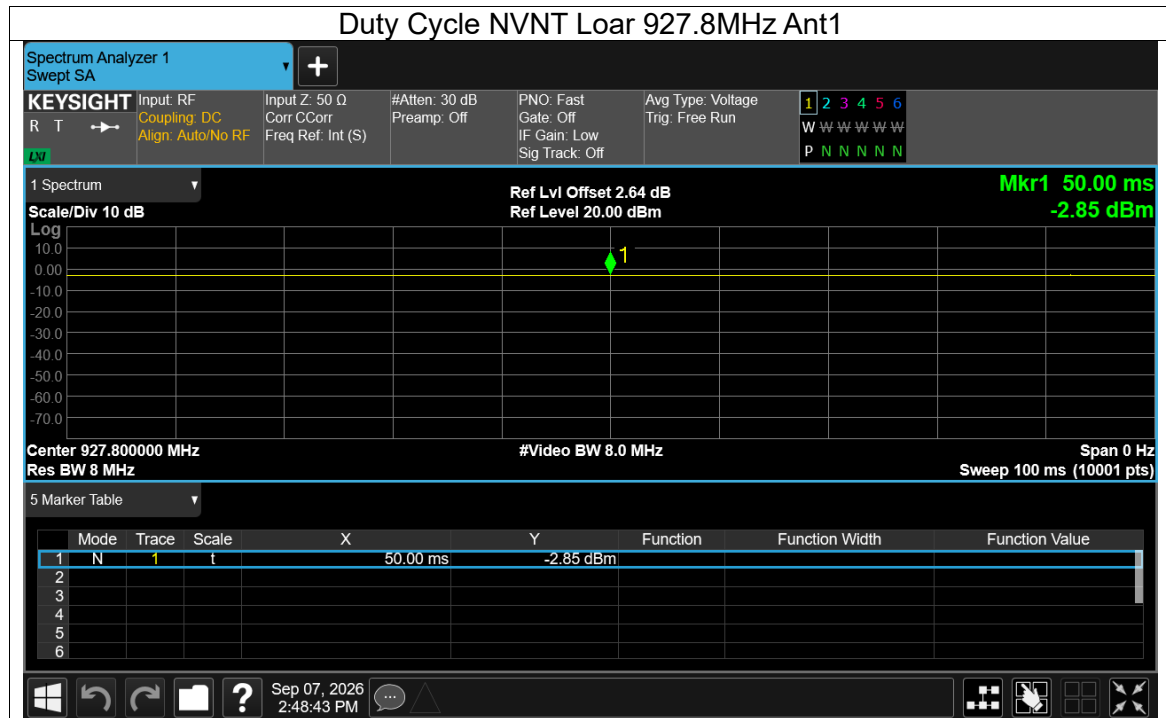


3710.78	56.60	-8.73	47.87	74.00	-26.13	PK	Vertical
3710.78	47.16	-8.73	38.43	54.00	-15.57	AV	Vertical
3710.82	57.01	-8.73	48.28	74.00	-25.72	PK	Horizontal
3710.82	47.94	-8.73	39.21	54.00	-14.79	AV	Horizontal
4638.77	59.86	-7.82	52.04	74.00	-21.96	PK	Vertical
4638.77	50.77	-7.82	42.95	54.00	-11.05	AV	Vertical
4638.64	59.63	-7.82	51.81	74.00	-22.19	PK	Horizontal
4638.64	50.60	-7.82	42.78	54.00	-11.22	AV	Horizontal



Lowest Duty cycle





Condition	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	902.2	Ant1	100	0	0
NVNT	915	Ant1	100	0	0
NVNT	927.8	Ant1	100	0	0

Note: Duty Factor=20*LOG(Ton/Tp)



4.7 TEST RESULTS (BAND EDGE REQUIREMENTS)

Frequency (MHz)	Reading (dB μ V)	Corrected Factor (dB)	Result (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector	Polarity
902.00	5.57	32.65	38.22	74.00	-35.78	PK	Vertical
902.00	5.02	32.65	37.67	74.00	-36.33	PK	Horizontal
928.00	6.74	33.29	40.03	74.00	-33.97	PK	Vertical
928.00	6.56	33.29	39.85	74.00	-34.15	PK	Horizontal

4.8 TEST RESULTS (FIELD STRENGTH OF FUNDAMENTAL)

Frequency (MHz)	Meter Reading (dB μ V/m)	Detector	Corrected Factor (dB)	Corrected Amplitude (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polar
902.20	58.10	QP	32.75	90.85	94.00	-3.15	H
902.20	56.15	QP	32.75	88.90	94.00	-5.10	V
915.00	57.43	QP	32.86	90.29	94.00	-3.71	H
915.00	55.16	QP	32.86	88.02	94.00	-5.98	V
927.80	57.05	QP	33.12	90.17	94.00	-3.83	H
927.80	54.56	QP	33.12	87.68	94.00	-6.32	V

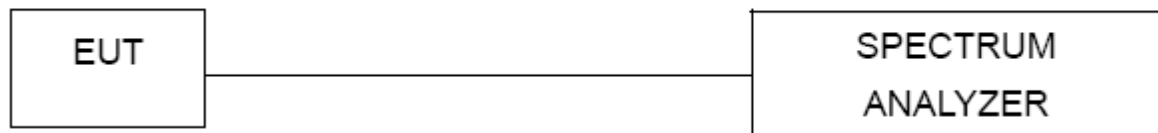


5. BANDWIDTH TEST

5.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Spectrum Setting : RBW= 3KHz, VBW $\geq$ RBW, Sweep time = Auto.

5.2 TEST SETUP

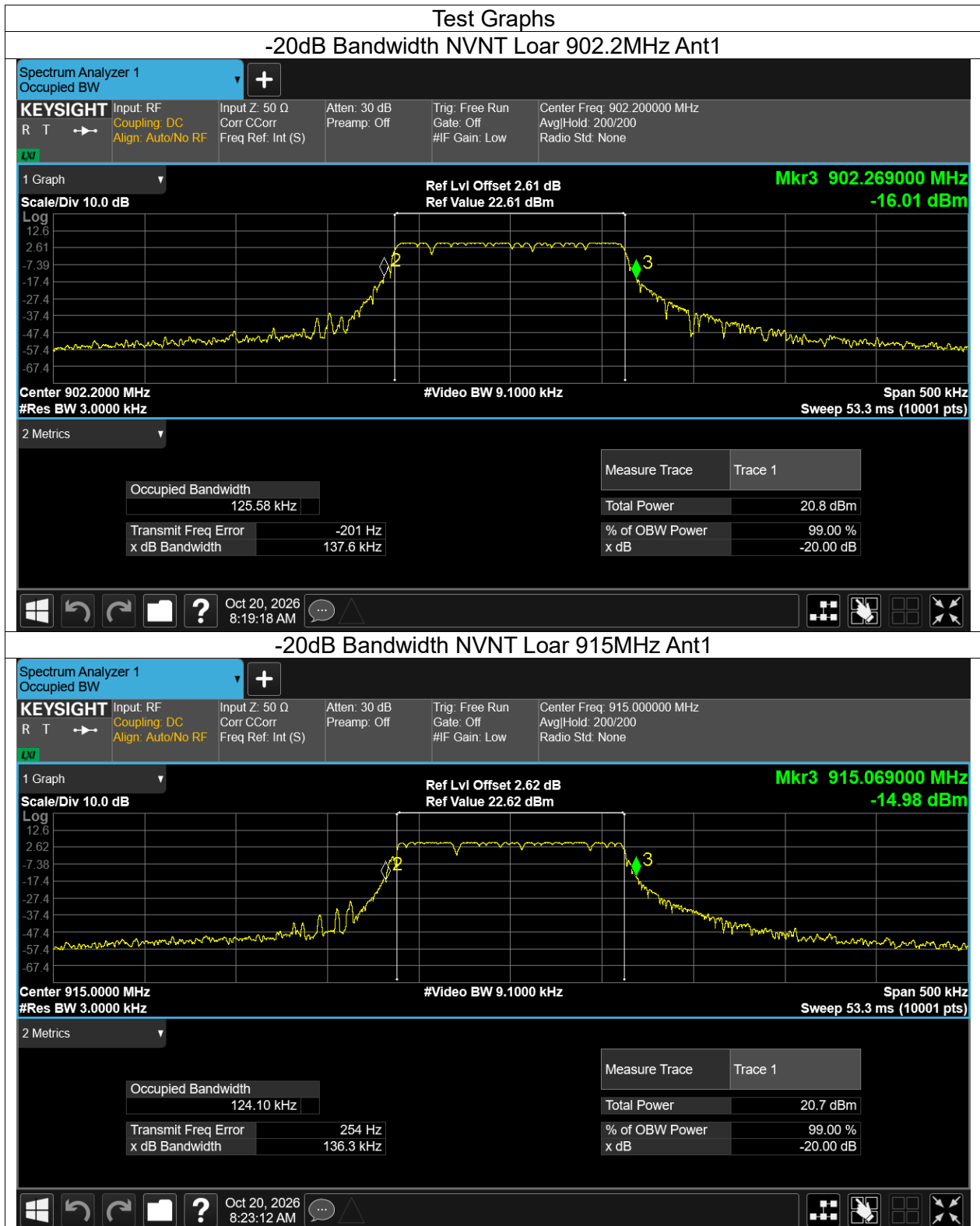


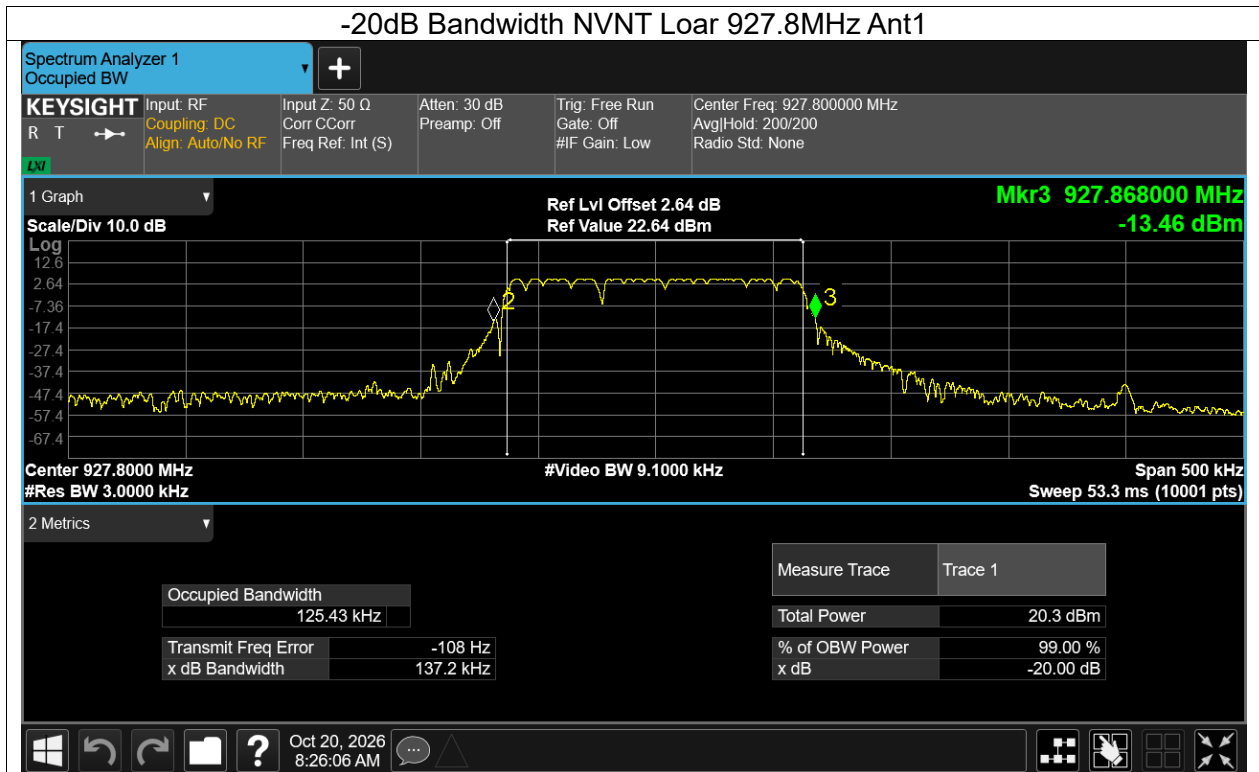
5.3 EUT OPERATION CONDITIONS

TX mode.

5.4 TEST RESULTS

Condition	Frequency (MHz)	-20dB Bandwidth (MHz)
NVNT	902.2	0.1376
NVNT	915	0.1363
NVNT	927.8	0.1372







6. ANTENNA REQUIREMENT

6.1 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.

6.2 EUT ANTENNA

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



APPENDIX I - MEASUREMENT PHOTOS

Note: Please see the attached RF_Test Setup photos for FCC ID.

※※※※※END OF THE REPORT※※※※※