

TEST REPORT

Applicant: CenTrak Inc
Address: 826 Newtown-Yardley Rd, Newtown, Pennsylvania
18940, United States
Equipment Type: Safety 2.0 Bracelet
Model Name: IT-7210E H (refer to section 2.3)
Brand Name: CenTrak
FCC ID: ST2-IT7210
Test Standard: 47 CFR Part 15 Subpart C
(refer to section 3.1)
Sample Arrival Date: Oct. 28, 2025
Test Date: Nov. 04, 2025 - Nov. 26, 2025
Date of Issue: Jan. 15, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

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Checked by: Ye Hongji

Approved by: Tolan Tu

(Testing Director)



Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Jan. 15, 2026</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☐ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☒ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	CenTrak Inc
Address	826 Newtown-Yardley Rd, Newtown, Pennsylvania 18940, United States

2.2 Manufacturer Information

Manufacturer	CenTrak Inc
Address	826 Newtown-Yardley Rd, Newtown, Pennsylvania 18940, United States

2.3 General Description for Equipment under Test (EUT)

EUT Name	Safety 2.0 Bracelet
Model Name Under Test	IT-7210E H
Series Model Name	IT-7210E, ITK-7210E R, ITK-7210E S, ITK-7210E H R, ITK-7210E H S, CTK-BRACR765, CTK-BRACS765, CTH-BRAC765
Description of Model name differentiation	The tested models are using same PCBA and Firmware, only different on top housing(Solid face, Button face, Watch face) and band type (Rugged band, Secure band); The CenTrak Safety 2.0 Bracelet variants are identical in internal hardware and RF design. Differences between model numbers are limited to firmware configuration, assembly options (band type), optional accessories, and labeling and do not alter RF characteristics or compliance outcomes. Model Numbers: Tag-only IT-7210E – Tag only; no band or accessories. Compatible with Pegasus platform. IT-7210E H – Tag only; no band or accessories. Compatible with Orion platform. CTH-BRAC765 – Tag only, no band or accessories included. Backwards compatible with any new or existing CenTrak platform (Pegasus and Orion). IT-7210E and IT-7210E H are platform-specific SKUs (Pegasus vs Orion). CTH-BRAC765 is a SKU that can be configured for either platform, reducing complexity for logistics and labeling. Preassembled kits ITK-7210E R – Preassembled Kit with Safety 2.0 Bracelet (IT-7210E) + Rugged Band (5-WTD00006-0), compatible with CenTrak's Pegasus platform. ITK-7210E S – Preassembled Kit with Safety 2.0 Bracelet (IT-7210E) + Secure Band (5-WTD09011), compatible with CenTrak's Pegasus platform. ITK-7210E H R – Preassembled Kit with Safety 2.0 Bracelet (IT-7210E H) + Rugged Band (5-WTD00006-0), compatible with CenTrak's Orion platform. ITK-7210E H S – Preassembled Kit with Safety 2.0 Bracelet (IT-7210E H) + Secure Band (5-WTD09011), compatible with CenTrak's Orion platform. CTK-BRACR765 – Preassembled Kit with Safety 2.0 Bracelet (CTH-BRAC765) + Rugged Band (5-WTD00006-0), Backwards compatible with any new or existing CenTrak platform (Pegasus and Orion). CTK-BRACS765 – Preassembled Kit with Safety 2.0 Bracelet (CTH-

	BRAC765) + Secure Band (5-WTD09011), Backwards compatible with any new or existing CenTrak platform (Pegasus and Orion). (this information provided by the applicant).
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BLE), UHF
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The requirement for the following technical information of the EUT was tested in this report:

Modulation Technology	DTS
Modulation Type	UHF
Product Type	☒ Mobile ☐ Portable ☐ Fix Location
Transfer Rate	50 Kbps
Frequency Range	The frequency range used is 902 MHz to 928 MHz.
Number of Channel	4
Tested Channel	904 MHz, 915 MHz, 922 MHz, 926 MHz
Antenna Type	SMD Chip Antenna
Antenna Gain	-0.5 dBi

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15, Subpart C	Intentional radiators of radio frequency equipment
2	KDB Publication 558074 D01v05r02	GUIDANCE FOR COMPLIANCE MEASUREMENTS ON DIGITAL TRANSMISSION SYSTEM, FREQUENCY HOPPING SPREAD SPECTRUM SYSTEM, AND HYBRID SYSTEM DEVICES OPERATING UNDER SECTION 15.247 OF THE FCC RULES
3	KDB Publication 662911 D01v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)
4	ANSI C63.10-2020 + Corrigendum 1-2023 + Amendment a-2024	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

3.2 Test Verdict

No.	Description	FCC Part No.	Test Result	Verdict	Remark
1	Antenna Requirement	15.203	--	Pass	Note
2	20 dB and 99% Bandwidth	15.215(c)	ANNEX A.1	Pass	--
3	AC Conducted Emission	15.207	ANNEX A.2	N/A	--
4	Radiated Spurious Emission	15.249(a)	ANNEX A.3	Pass	--
5	Band Edge(Restricted-band band-edge)	15.249(a)	ANNEX A.4	Pass	--
Note: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.					

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

During the measurement, the normal environmental conditions were within the listed ranges:

Relative Humidity	46% to 69%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.4℃ to +25.7℃
Working Voltage of the EUT	NV (Normal Voltage)	3V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY54420186	2025.05.21	2026.05.20
Power meter	R&S	NRP8S	101498	2025.07.07	2026.07.06
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Test Antenna-Bi-Log	Schwarzbeck	VULB 9163	01414	2023.11.03	2026.11.02
Test Antenna-Horn	Schwarzbeck	BBHA 9120D	02459	2023.10.26	2026.10.25
Test Antenna-Loop	Schwarzbeck	FMZB 1513-60	00015	2024.05.07	2026.05.06
Anechoic Chamber	YIHENG	C8-966	N/A	2024.05.15	2027.05.11
EMI Receiver	Keysight	N9038A	MY55330121	2025.04.16	2026.04.15
EMI Receiver	keysight	N9038B	MY61380132	2025.04.01	2026.03.31
LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK8127	01009	2025.07.15	2026.07.14
Shielded Enclosure	YiHeng Electronic Co., Ltd	4.3m*2.9m*2.4 m	235	2024.11.05	2027.11.04
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2025.06.16	2026.06.15
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22
Amplifier	COM-MV	ZT30-1000M	B2018054558	2024.11.28	2025.11.27
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7. 35m	130	2024.07.13	2027.07.12

4.3 Measurement Uncertainty

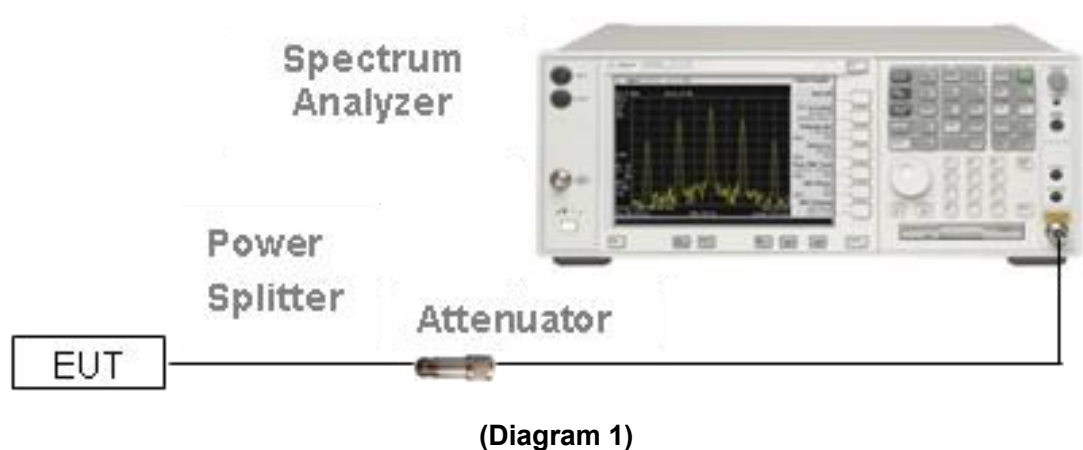
The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

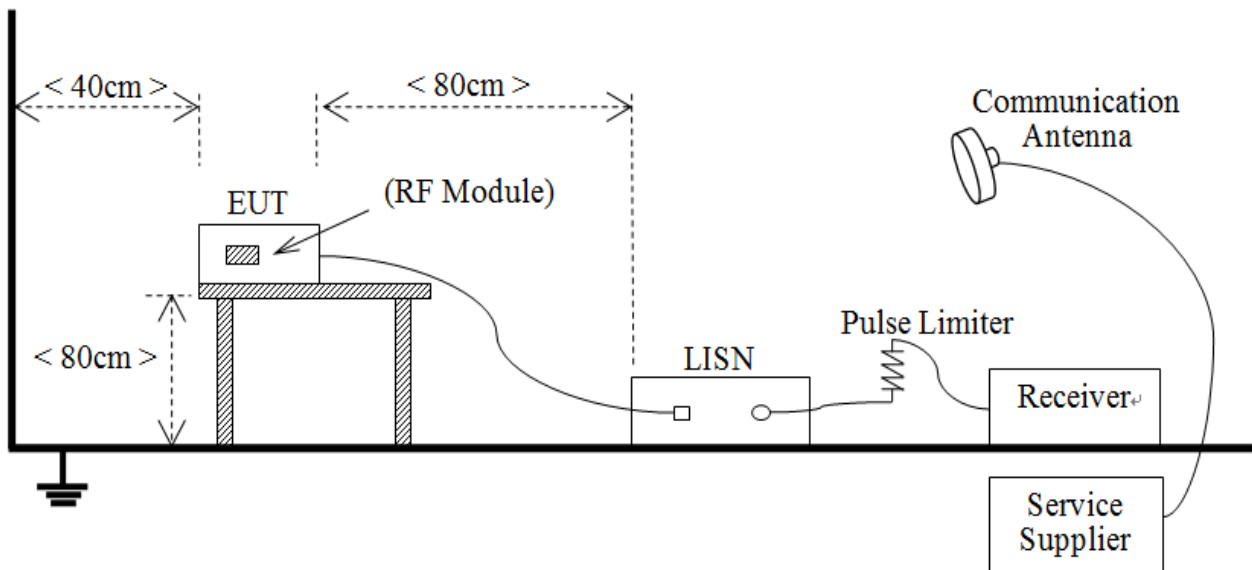
Parameters	Uncertainty
Occupied Channel Bandwidth	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.8°C
Humidity	4%

4.4 Description of Test Setup

4.4.1 For Antenna Port Test

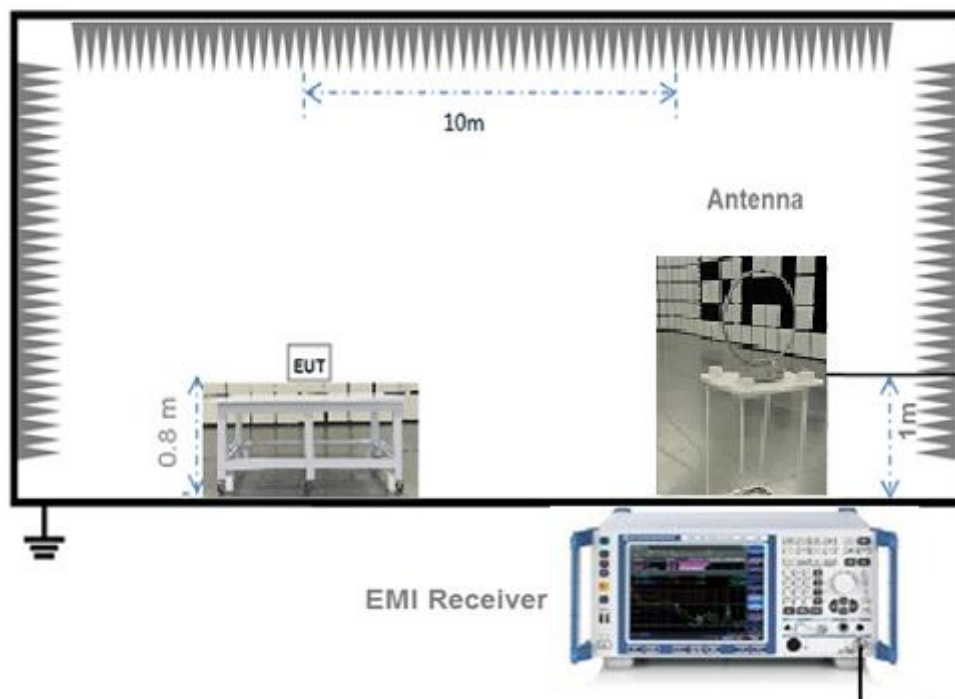


4.4.2 For AC Power Supply Port Test



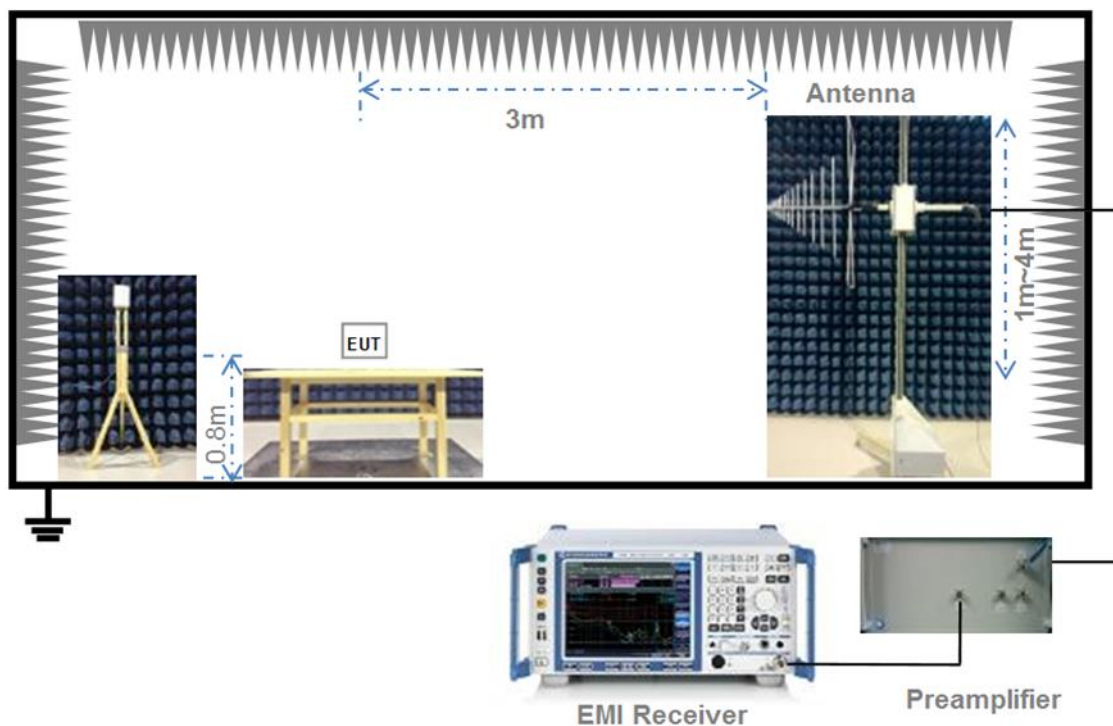
(Diagram 2)

4.4.3 For Radiated Test (Below 30 MHz)

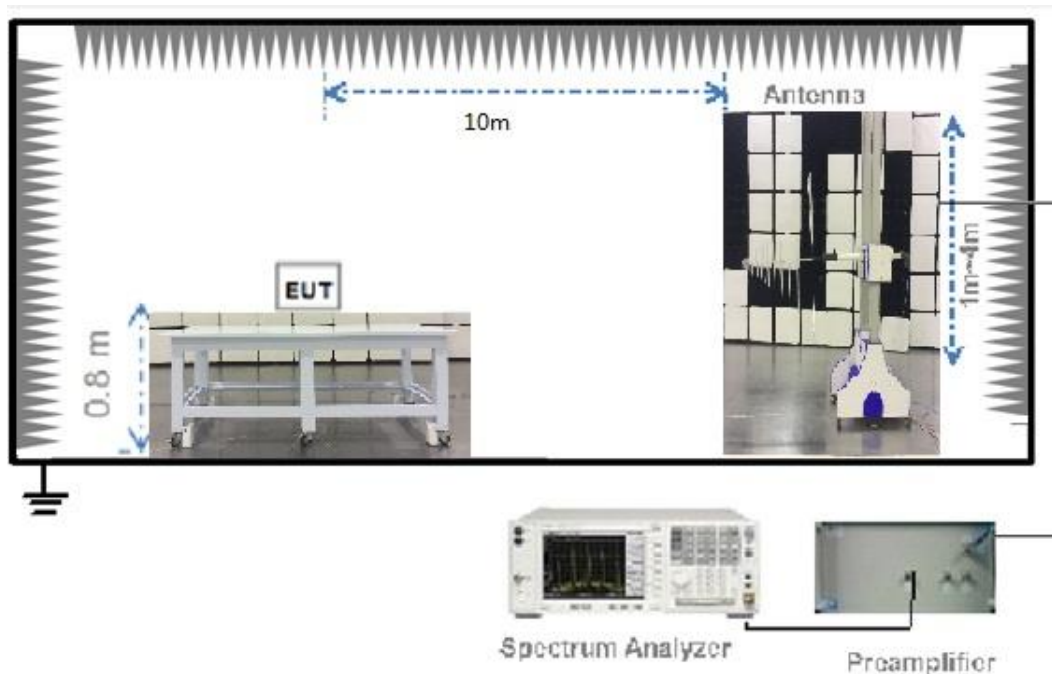


(Diagram 3)

4.4.4 For Radiated Test (30 MHz-1 GHz)

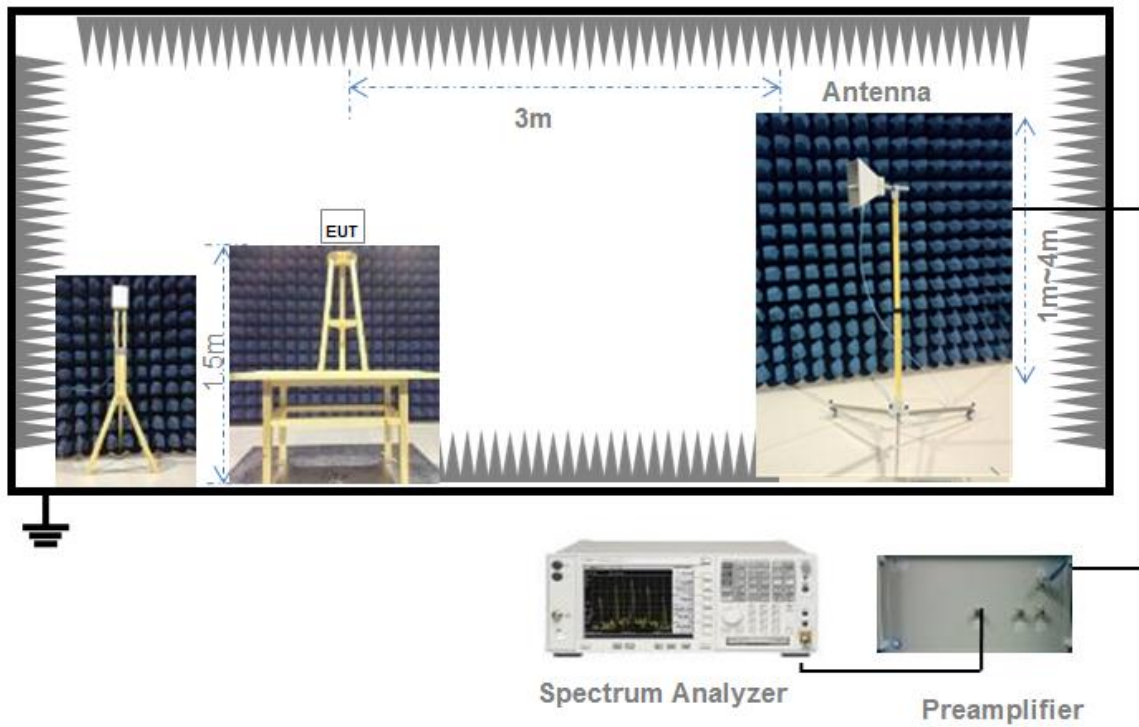


(Diagram 4)



(Diagram 4)

4.4.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 Antenna Requirements

5.1.1 Relevant Standards

FCC §15.203 & 15.247(b)

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. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, § 15.213, § 15.217, § 15.219, or § 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

If directional gain of transmitting antennas is greater than 6 dBi, the power shall be reduced by the same level in dB comparing to gain minus 6 dBi. For the fixed point-to-point operation, the power shall be reduced by one dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi. 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 FCC rule.

5.1.2 Antenna Anti-Replacement Construction

The Antenna Anti-Replacement as following method:

Protected Method	Description
The antenna is embedded in the product.	An embedded-in antenna design is used.

Reference Documents	Item
Photo	Please refer to the EUT Photo documents.

5.1.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

5.2 20 dB and 99% Bandwidth

5.2.1 Limit

FCC §15.215(c)

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in § 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

5.2.2 Test Setups

See section 4.4.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.2.3 Test Procedure

Use the following spectrum analyzer settings:

Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel

RBW $\geq$ 1% of the 20 dB bandwidth

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.2.4 Test Result

Please refer to ANNEX A.1.

5.3 AC Conducted Emission

5.3.1 Limit

FCC §15.207

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dB μ V)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
0.50 - 30	60	50

5.3.2 Test Setups

See section 4.4.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.3.3 Test Procedure

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed.

Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. A device rated for 50/60 Hz operation need not be tested at both frequencies provided the radiated and line conducted emissions are the same at both frequencies.

5.3.4 Test Result

Please refer to ANNEX A.2.

5.4 Radiated Spurious Emission

5.4.1 Limit

FCC §15.249(a)

Except as provided in paragraph (a) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Frequency (MHz)	Field Strength of Fundamental (mV/m)	Field Strength of Harmonics (μV/m)
902-928	50	500
2400-2483.5	50	500
5725-5875	50	500

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 §15.209, whichever is the lesser attenuation.

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
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
Above 960	500	3

Note:

1. For Above 1000 MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.
2. For above 1000 MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK).

5.4.2 Test Setups

See section 4.4.2-4.4.5 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.4.3 Test Procedure

The measurement frequency range is from 9 kHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented. The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.4.4 Test Result

Please refer to ANNEX A.3.

5.5 Band Edge (Restricted-band band-edge)

5.5.1 Limit

FCC §15.249(a)

Radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

5.5.2 Test Setups

See section 4.4.3 to 4.4.5 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.5.3 Test Procedure

The measurement frequency range is from 9 kHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported, Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

5.5.4 Test Result

Please refer to ANNEX A.4.

ANNEX A TEST RESULT

A.1 20 dB and 99% Bandwidth

Test Data

Frequency (MHz)	20 dB Bandwidth (kHz)	99% Bandwidth (kHz)
904	98.450	97.034
915	97.046	95.357
922	91.125	94.940
926	92.590	94.076

Test Plots

99% Bandwidth

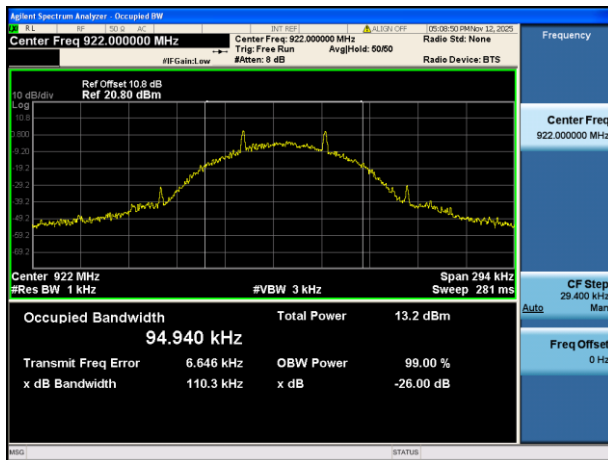
904 CHANNEL



915 CHANNEL



922 CHANNEL



926 CHANNEL



20 dB Bandwidth

904 CHANNEL



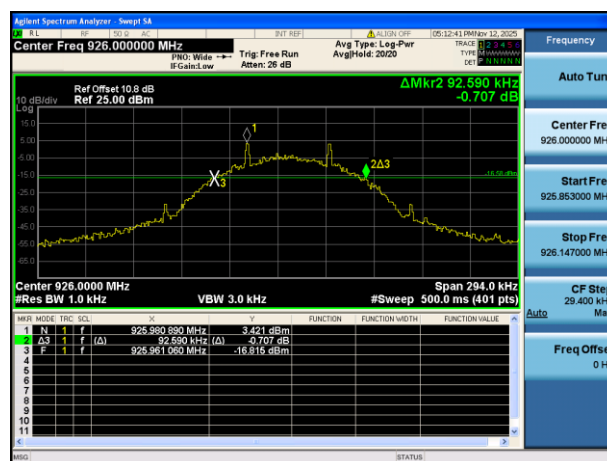
915 CHANNEL



922 CHANNEL



926 CHANNEL



A.2 AC Conducted Emissions

Note: Not applicable.

A.3 Radiated Emission

Note ¹: The symbol of “--” in the table which means not application.

Note ²: For the test data above 1 GHz, according the ANSI C63.4-2014, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

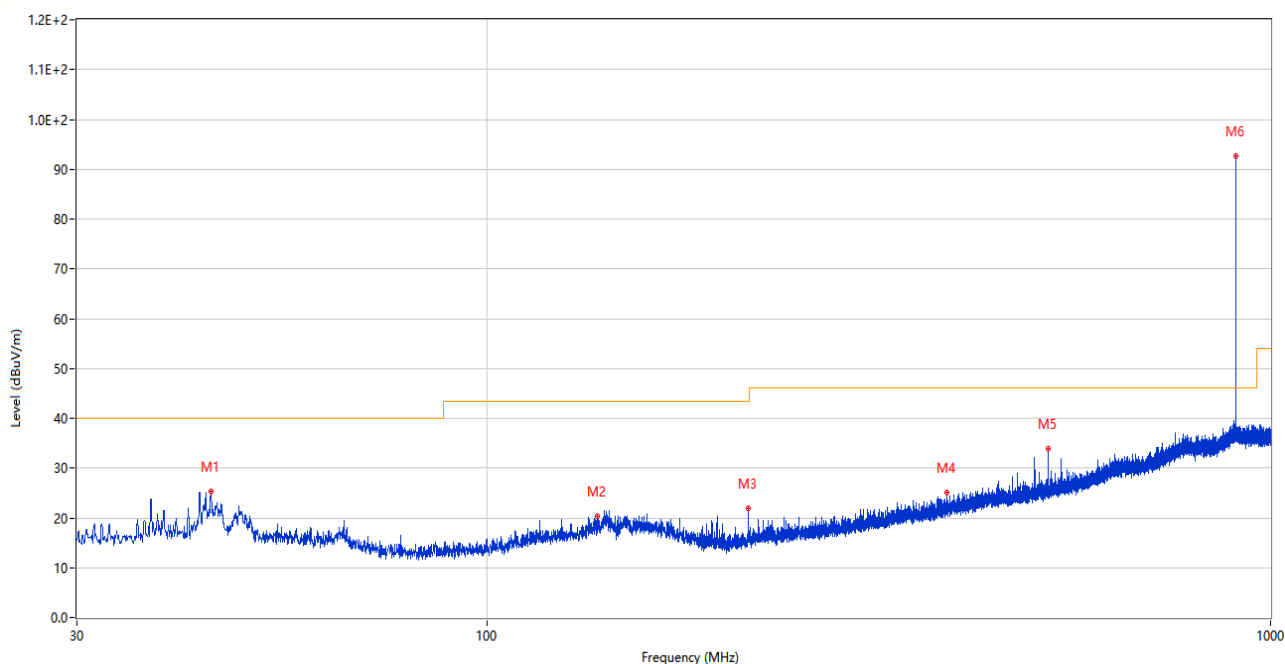
Note ³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note ⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Note ⁵: The marked spikes near 915 MHz with circle should be ignored because they are Fundamental signal.

Test Data and Plots

30 MHz to 1 GHz, Low Channel ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	44.453	25.20	40.0	14.80	Peak	218.00	100	Horizontal	Pass
2	138.495	20.36	43.5	23.14	Peak	183.00	100	Horizontal	Pass
3	215.658	21.87	43.5	21.63	Peak	89.00	300	Horizontal	Pass
4	386.669	25.05	46.0	20.95	Peak	14.00	300	Horizontal	Pass
5	520.044	33.87	46.0	12.13	Peak	360.00	200	Horizontal	Pass
6	904.045	92.30	94.2	1.90	Peak	133.00	200	Horizontal	Pass

30 MHz to 1 GHz, Low Channel ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	54.493	23.29	40.0	16.71	Peak	238.00	200	Vertical	Pass
2	144.247	26.26	43.5	17.24	Peak	238.00	200	Vertical	Pass
3	159.395	25.93	43.5	17.57	Peak	124.00	400	Vertical	Pass
4	407.010	28.47	46.0	17.53	Peak	124.00	400	Vertical	Pass
5	637.711	33.52	46.0	12.48	Peak	156.00	200	Vertical	Pass
6	904.584	80.60	94.2	14.60	Peak	156.00	200	Vertical	Pass

30 MHz to 1 GHz, High Channel ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
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1	56.457	21.60	40.0	18.40	Peak	207.00	200	Horizontal	Pass
2	138.087	22.51	43.5	20.99	Peak	207.00	200	Horizontal	Pass
3	216.033	31.33	43.5	12.17	Peak	27.00	300	Horizontal	Pass
4	255.990	27.12	43.5	16.38	Peak	27.00	300	Horizontal	Pass
5	457.617	30.62	46.0	15.38	Peak	76.00	200	Horizontal	Pass
6	915.414	91.60	94.2	2.60	Peak	76.00	200	Horizontal	Pass

30 MHz to 1 GHz,High Channel ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	53.330	25.38	40.0	14.62	Peak	271.00	100	Vertical	Pass
2	142.652	29.72	43.5	13.78	Peak	271.00	100	Vertical	Pass
3	156.495	24.20	43.5	19.30	Peak	138.00	300	Vertical	Pass
4	406.015	28.67	46.0	17.33	Peak	138.00	300	Vertical	Pass
5	640.962	33.06	46.0	12.94	Peak	194.00	200	Vertical	Pass
6	915.375	82.96	94.2	11.24	Peak	194.00	200	Vertical	Pass

30 MHz to 1 GHz,Low Channel ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	51.832	20.03	40.0	19.97	Peak	101.00	300	Horizontal	Pass
2	139.714	25.47	43.5	18.03	Peak	101.00	300	Horizontal	Pass
3	218.134	33.51	43.5	9.99	Peak	302.00	300	Horizontal	Pass
4	258.180	22.23	43.5	21.27	Peak	302.00	300	Horizontal	Pass
5	455.203	26.14	46.0	19.86	Peak	232.00	200	Horizontal	Pass
6	922.251	91.40	94.2	2.80	Peak	232.00	200	Horizontal	Pass

30 MHz to 1 GHz,Low Channel ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	52.933	19.93	40.0	20.07	Peak	160.00	100	Vertical	Pass
2	140.460	27.76	43.5	15.74	Peak	160.00	100	Vertical	Pass
3	159.723	25.29	43.5	18.21	Peak	229.00	200	Vertical	Pass
4	409.708	26.22	46.0	19.78	Peak	229.00	200	Vertical	Pass
5	633.711	30.13	46.0	15.87	Peak	323.00	200	Vertical	Pass
6	922.959	83.79	94.2	10.41	Peak	323.00	200	Vertical	Pass

DTS,30 MHz to 1 GHz,High Channel ANT H

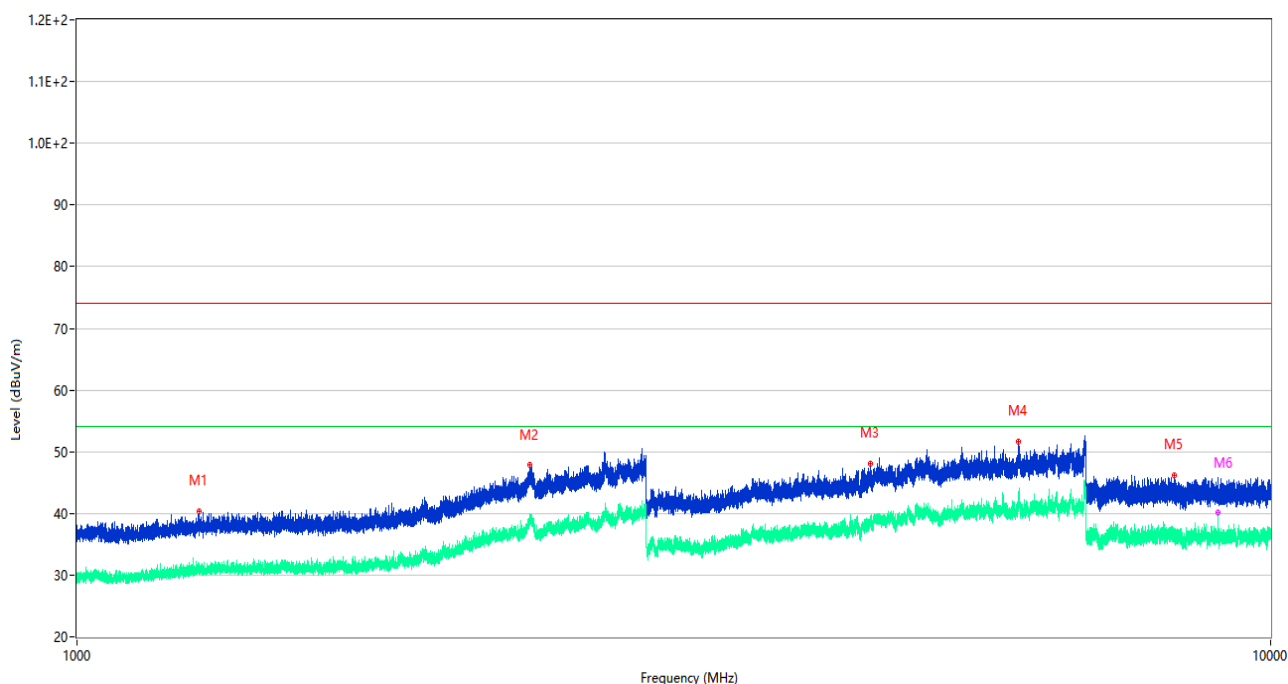
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	54.439	18.81	40.0	21.19	Peak	146.00	300	Horizontal	Pass
2	137.968	25.63	43.5	17.87	Peak	146.00	400	Horizontal	Pass
3	214.762	33.53	43.5	9.97	Peak	142.00	100	Horizontal	Pass
4	260.465	25.58	43.5	17.92	Peak	142.00	100	Horizontal	Pass
5	457.722	30.32	46.0	15.68	Peak	301.00	100	Horizontal	Pass
6	926.846	90.54	94.2	3.66	Peak	301.00	100	Horizontal	Pass

DTS,30 MHz to 1 GHz,High Channel ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	57.193	22.92	40.0	17.08	Peak	183.00	200	Vertical	Pass
2	137.413	26.02	43.5	17.48	Peak	183.00	200	Vertical	Pass
3	157.254	24.87	43.5	18.63	Peak	330.00	400	Vertical	Pass
4	410.787	30.67	46.0	15.33	Peak	330.00	400	Vertical	Pass
5	640.777	33.37	46.0	12.63	Peak	228.00	200	Vertical	Pass
6	926.486	83.14	94.2	11.06	Peak	228.00	200	Vertical	Pass

Note: The spurious above 18G is noise only, do not show on the report.

1 GHz to 10 GHz, Low Channel ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1265.400	40.43	74.0	31.92	Peak	27.00	100	Horizontal	Pass
1**	1265.400	30.63	54.0	23.39	AV	27.00	100	Horizontal	Pass
2	2395.200	47.86	74.0	21.09	Peak	24.00	100	Horizontal	Pass
2**	2395.200	39.88	54.0	14.49	AV	24.00	100	Horizontal	Pass
3	4619.000	47.99	74.0	21.60	Peak	165.00	200	Horizontal	Pass
3**	4619.000	38.38	54.0	8.74	AV	165.00	200	Horizontal	Pass
4	6150.600	51.67	74.0	20.35	Peak	332.00	300	Horizontal	Pass
4**	6150.600	42.98	54.0	13.97	AV	332.00	300	Horizontal	Pass
5	8305.450	46.19	74.0	20.49	Peak	166.00	400	Horizontal	Pass
5**	8305.450	36.50	54.0	11.74	AV	166.00	400	Horizontal	Pass
6	9040.100	42.52	74.0	21.49	Peak	228.00	200	Horizontal	Pass
6**	9040.100	40.18	54.0	8.54	AV	228.00	200	Horizontal	Pass

1 GHz to 10 GHz, Low Channel ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1468.014	44.79	74.0	29.21	Peak	171.00	200	Vertical	Pass
1**	1468.014	32.40	54.0	21.60	AV	171.00	200	Vertical	Pass
2	2989.527	52.87	74.0	21.13	Peak	76.00	200	Vertical	Pass
2**	2989.527	39.94	54.0	14.06	AV	76.00	200	Vertical	Pass
3	4924.509	52.21	74.0	21.79	Peak	160.00	200	Vertical	Pass

3**	4924.509	43.84	54.0	10.16	AV	160.00	200	Vertical	Pass
4	6150.689	51.86	74.0	22.14	Peak	169.00	300	Vertical	Pass
4**	6150.689	43.92	54.0	10.08	AV	169.00	300	Vertical	Pass
5	7963.666	57.93	74.0	16.07	Peak	278.00	400	Vertical	Pass
5**	7963.666	43.73	54.0	10.27	AV	278.00	400	Vertical	Pass
6	8303.110	48.50	74.0	25.50	Peak	7.00	400	Vertical	Pass
6**	8303.110	39.18	54.0	14.82	AV	7.00	400	Vertical	Pass

1 GHz to 10 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1270.295	41.23	74.0	32.77	Peak	184.00	400	Horizontal	Pass
1**	1268.861	31.55	54.0	22.45	AV	184.00	400	Horizontal	Pass
2	2394.533	48.25	74.0	25.75	Peak	125.00	200	Horizontal	Pass
2**	2396.387	41.27	54.0	12.73	AV	125.00	200	Horizontal	Pass
3	4622.213	50.10	74.0	23.90	Peak	304.00	200	Horizontal	Pass
3**	4620.060	40.77	54.0	13.23	AV	304.00	200	Horizontal	Pass
4	6147.400	54.36	74.0	19.64	Peak	259.00	400	Horizontal	Pass
4**	6150.642	44.96	54.0	9.04	AV	259.00	400	Horizontal	Pass
5	8307.534	46.45	74.0	27.55	Peak	312.00	200	Horizontal	Pass
5**	8307.325	36.71	54.0	17.29	AV	312.00	200	Horizontal	Pass
6	9639.315	42.62	74.0	31.38	Peak	145.00	300	Horizontal	Pass
6**	9643.092	41.96	54.0	12.04	AV	145.00	300	Horizontal	Pass

1 GHz to 10 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1465.008	44.61	74.0	29.39	Peak	41.00	400	Vertical	Pass
1**	1471.472	32.27	54.0	21.73	AV	41.00	400	Vertical	Pass
2	2988.523	52.59	74.0	21.41	Peak	266.00	300	Vertical	Pass
2**	2989.826	39.88	54.0	14.12	AV	266.00	300	Vertical	Pass
3	4927.681	52.09	74.0	21.91	Peak	110.00	200	Vertical	Pass
3**	4927.102	43.79	54.0	10.21	AV	110.00	200	Vertical	Pass
4	6149.832	51.76	74.0	22.24	Peak	35.00	300	Vertical	Pass
4**	6154.093	43.69	54.0	10.31	AV	35.00	300	Vertical	Pass
5	7962.617	57.82	74.0	16.18	Peak	14.00	400	Vertical	Pass
5**	7962.036	43.59	54.0	10.41	AV	14.00	400	Vertical	Pass
6	8303.138	48.38	74.0	25.62	Peak	247.00	200	Vertical	Pass
6**	8302.571	39.14	54.0	14.86	AV	247.00	200	Vertical	Pass

1 GHz to 10 GHz, Low Channel Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
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1	1267.491	41.25	74.0	32.76	Peak	236.00	100	Horizontal	Pass
1**	1265.406	31.70	54.0	22.30	AV	236.00	100	Horizontal	Pass
2	2392.417	48.23	74.0	25.77	Peak	218.00	300	Horizontal	Pass
2**	2397.514	41.26	54.0	12.74	AV	218.00	300	Horizontal	Pass
3	4618.532	50.31	74.0	23.69	Peak	211.00	200	Horizontal	Pass
3**	4621.916	40.84	54.0	13.17	AV	211.00	200	Horizontal	Pass
4	6148.634	54.22	74.0	19.78	Peak	100.00	300	Horizontal	Pass
4**	6151.999	44.82	54.0	9.18	AV	100.00	300	Horizontal	Pass
5	8311.530	46.22	74.0	27.78	Peak	69.00	400	Horizontal	Pass
5**	8307.959	36.90	54.0	17.10	AV	69.00	400	Horizontal	Pass
6	9638.746	42.86	74.0	31.14	Peak	357.00	400	Horizontal	Pass
6**	9642.028	42.03	54.0	11.97	AV	357.00	400	Horizontal	Pass

1 GHz to 10 GHz, Low Channel Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1469.641	44.78	74.0	29.22	Peak	96.00	300	Vertical	Pass
1**	1466.705	32.31	54.0	21.69	AV	96.00	300	Vertical	Pass
2	2986.222	52.74	74.0	21.26	Peak	179.00	100	Vertical	Pass
2**	2989.846	39.79	54.0	14.21	AV	179.00	100	Vertical	Pass
3	4926.462	52.12	74.0	21.88	Peak	165.00	200	Vertical	Pass
3**	4921.567	43.73	54.0	10.27	AV	165.00	200	Vertical	Pass
4	6153.786	51.70	74.0	22.30	Peak	345.00	300	Vertical	Pass
4**	6153.864	43.72	54.0	10.28	AV	345.00	300	Vertical	Pass
5	7960.641	57.85	74.0	16.15	Peak	289.00	200	Vertical	Pass
5**	7965.323	43.45	54.0	10.55	AV	289.00	200	Vertical	Pass
6	8305.085	48.34	74.0	25.66	Peak	177.00	100	Vertical	Pass
6**	8301.845	38.88	54.0	15.12	AV	177.00	100	Vertical	Pass

1 GHz to 10 GHz, High Channel Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1265.504	41.84	74.0	32.16	Peak	352.00	200	Horizontal	Pass
1**	1270.436	32.50	54.0	21.50	AV	352.00	200	Horizontal	Pass
2	2388.836	50.30	74.0	23.70	Peak	304.00	400	Horizontal	Pass
2**	2394.007	40.58	54.0	13.42	AV	304.00	400	Horizontal	Pass
3	4620.985	49.13	74.0	24.87	Peak	141.00	200	Horizontal	Pass
3**	4619.466	39.29	54.0	14.71	AV	141.00	200	Horizontal	Pass
4	6154.190	51.71	74.0	22.29	Peak	263.00	400	Horizontal	Pass
4**	6151.620	45.31	54.0	8.69	AV	263.00	400	Horizontal	Pass
5	8308.088	47.59	74.0	26.41	Peak	26.00	400	Horizontal	Pass
5**	8311.005	38.54	54.0	15.46	AV	26.00	400	Horizontal	Pass
6	9639.895	45.20	74.0	28.81	Peak	312.00	400	Horizontal	Pass

6**	9642.911	42.21	54.0	11.79	AV	312.00	400	Horizontal	Pass
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1 GHz to 10 GHz, High Channel Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1462.122	44.20	74.0	29.80	Peak	99.00	100	Vertical	Pass
1**	1467.797	32.01	54.0	21.99	AV	99.00	100	Vertical	Pass
2	2990.992	53.44	74.0	20.56	Peak	24.00	400	Vertical	Pass
2**	2990.734	39.66	54.0	14.34	AV	24.00	400	Vertical	Pass
3	4923.168	54.13	74.0	19.87	Peak	287.00	200	Vertical	Pass
3**	4922.093	42.88	54.0	11.12	AV	287.00	200	Vertical	Pass
4	6150.435	53.65	74.0	20.35	Peak	349.00	200	Vertical	Pass
4**	6154.650	41.06	54.0	12.94	AV	349.00	200	Vertical	Pass
5	7962.750	57.63	74.0	16.37	Peak	27.00	400	Vertical	Pass
5**	7963.376	44.26	54.0	9.74	AV	27.00	400	Vertical	Pass
6	8306.933	46.69	74.0	27.31	Peak	229.00	400	Vertical	Pass
6**	8302.055	38.25	54.0	15.75	AV	229.00	400	Vertical	Pass

A.4 Band Edge (Restricted-band band-edge)

Note ¹: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

Note ²: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

Note ³: According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note ⁴: The Level (dBuV/m) has been corrected by factor.

Test Data

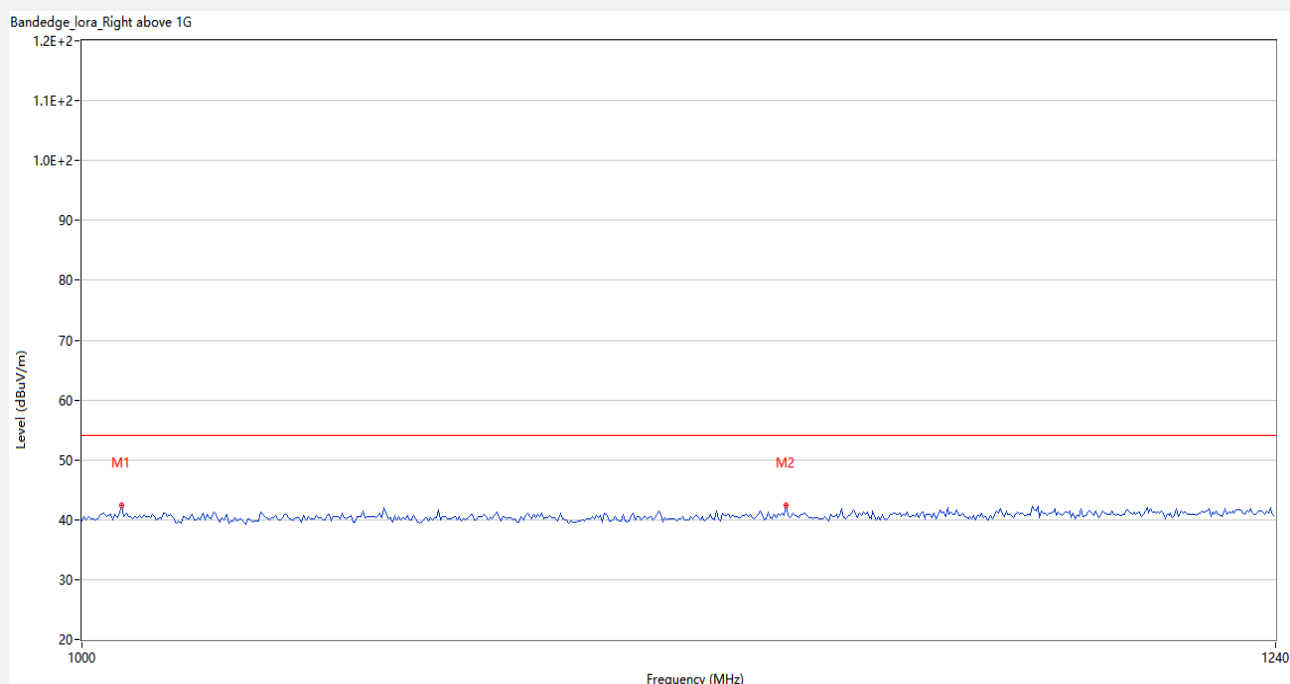
608 MHz to 614 MHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	608.948	41.43	54.0	12.57	Peak	302.00	200	Horizontal	Pass
2	610.367	42.01	54.0	11.99	Peak	133.00	200	Horizontal	Pass

960 MHz to 1 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	960.270	41.10	54.0	12.90	Peak	48.00	100	Horizontal	Pass
2	963.720	41.72	54.0	12.28	Peak	242.00	200	Horizontal	Pass

1GHz to 1.24 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1007.200	42.36	54.0	11.64	Peak	254.00	100	Horizontal	Pass
2	1135.200	42.33	54.0	11.67	Peak	129.00	200	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ25A1189-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ25A1189-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ25A1189-AI.PDF”.

Statement

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--END OF REPORT--