



中认信通

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



TEST REPORT

Applicant: Huizhou Langze Intelligent Control Technology Co., Ltd.

Address: 3F, Bldg B2, Xinghe Zhongkai Artificial Intelligence Industrial Park,
Huizhou, Guangdong, China

FCC ID: 2BVUT-RF1408

Product Name: Remote control

Standard(s): 47 CFR Part 15, Subpart C (15.231)
ANSI C63.10-2020

The above device has been tested and found compliance with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

Report Number: 2603S30686E-RF-00A

Date Of Issue: 2026/5/7

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Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the Room 101 & 201, Building 2, 256 Pingdong Road, Dalang Town, Dongguan City, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 442868, the FCC Designation No. : CN1314.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0123.

Declarations

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “▲”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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This report may contain data that are not covered by the accreditation scope and shall be marked with an asterisk “★”.

Each test item follows the test standard(s) without deviation.

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2603S30686E-RF-00A	Original Report	2026/5/7

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	Remote control
EUT Model:	RF1408
Multiple Models:	RF1408A, RF1408B, RF1408C, RF1408D, RF1208, RF1208A, RF1208B, RF1208C, RF1208D
Operation Frequency:	433.92MHz
Modulation Type:	ASK
Maximum E-Field:	85.19 dB μ V@3m
Rated Input Voltage:	DC 3.0V form AAA*2 Battery
Sample Number:	3JQE-1
EUT Received Date:	2026/4/13
EUT Received Status:	Good
Note: The Multiple models are electrically identical with the test model. Please refer to the declaration letter for more detail, which was provided by manufacturer.	

Antenna Information Detail ▲:

Antenna Type	input impedance (Ohm)	Frequency Range (MHz)	Antenna Gain (dBi)
PCB	50	433.92	Unknown
The Method of §15.203 Compliance: ☒ Antenna was permanently attached to the unit. ☐ Antenna use a unique type of connector to attach to the EUT. ☐ Unit was professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.			

Accessory Information:

Accessory Description	Manufacturer	Model	Parameters
/	/	/	/

1.2 Description of Test Configuration

1.2.1 EUT Operation Condition

EUT Operation Mode:	The system was configured for testing in Engineering Mode, which was provided by the manufacturer. Test Mode: Transmitting
Equipment Modifications:	No
EUT Exercise Software:	No
Engineering Mode was provided by manufacturer ▲. The maximum power was configured default setting.	

1.2.2 Support Equipment List and Details

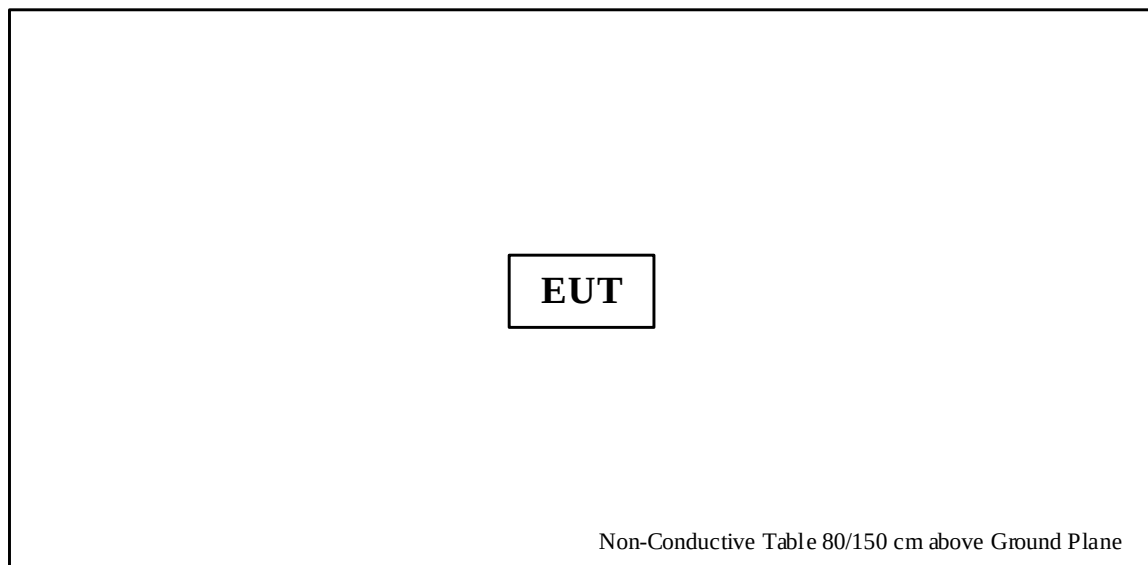
Manufacturer	Description	Model	Serial Number
/	/	/	/

1.2.3 Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
/	/	/	/	/	/

1.2.4 Block Diagram of Test Setup

Radiated Emissions:



1.3 Measurement Uncertainty

Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	$\pm 5\%$
Unwanted Emissions, radiated	9kHz~30MHz: 4.12 dB, 30M~200MHz: 3.89 dB, 200M~1GHz: 5.09 dB, 1G~6GHz: 5.12 dB, 6G~18GHz: 5.73 dB, 18G~26.5G: 5.47 dB, 26.5G~40G: 5.63 dB
Unwanted Emissions, conducted	± 1.26 dB
Temperature	$\pm 1^{\circ}\text{C}$
Humidity	$\pm 5\%$
DC and low frequency voltages	$\pm 0.4\%$
Duty Cycle	1%
AC Power Lines Conducted Emission	2.8 dB (150 kHz to 30 MHz)

2. SUMMARY OF TEST RESULTS

Standard(s) Section	Test Items	Result
§15.207 (a)	Conducted Emissions	Not Applicable
§15.205, §15.209, §15.231 (b)	Radiated Emissions	Compliant
§15.231 (c)	20dB Bandwidth	Compliant
§15.231 (a)	Deactivation Testing	Compliant
§15.203	Antenna Requirement	Compliant
§1.1307	RF Exposure Evaluation	Compliant

Note:

Not Applicable: The device was powered by battery when operating.

3. REQUIREMENTS AND TEST PROCEDURES

3.1 AC Line Conducted Emissions

3.1.1 Applicable Standard

FCC §15.207(a).

(a) Except as shown in paragraphs (b) and (c) of this section, 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 or frequencies, 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 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	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.

(b) The limit shown in paragraph (a) of this section shall not apply to carrier current systems operating as intentional radiators on frequencies below 30 MHz. In lieu thereof, these carrier current systems shall be subject to the following standards:

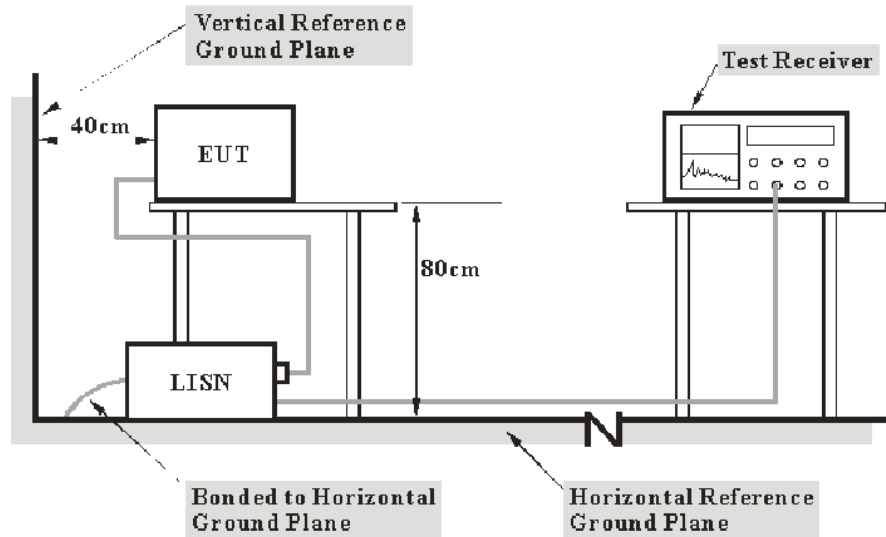
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000 μ V within the frequency band 535-1705 kHz, as measured using a 50 μ H/50 ohms LISN.

(3) Carrier current systems operating below 30 MHz are also subject to the radiated emission limits in §15.205, §15.209, §15.221, §15.223, or §15.227, as appropriate.

(c) Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines. Devices that include, or make provisions for, the use of battery chargers which permit operating while charging, AC adapters or battery eliminators or that connect to the AC power lines indirectly, obtaining their power through another device which is connected to the AC power lines, shall be tested to demonstrate compliance with the conducted limits.

3.1.2 EUT Setup



Note: 1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2020 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

The adapter or EUT was connected to the main LISN with a 120 V/60 Hz AC power source.

3.1.3 EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

3.1.4 Test Procedure

The frequency and amplitude of the six highest ac power-line conducted emissions relative to the limit, measured over all the current-carrying conductors of the EUT power cords, and the operating frequency or frequency to which the EUT is tuned (if appropriate), should be reported, unless such emissions are more than 20 dB below the limit. AC power-line conducted emissions measurements are to be separately carried out only on each of the phase ("hot") line(s) and (if used) on the neutral line(s), but not on the ground [protective earth] line(s). If less than six emission frequencies are within 20 dB of the limit, then the noise level of the measuring instrument at representative frequencies should be reported. The specific conductor of the power-line cord for each of the reported emissions should be identified. Measure the six highest emissions with respect to the limit on each current-carrying conductor of each power cord associated with the EUT (but not the power cords of associated or peripheral equipment that are part of the test configuration). Then, report the six highest emissions with respect to the limit from among all the measurements identifying the frequency and specific current-carrying conductor identified with the emission. The six highest emissions should be reported for each of the current-carrying conductors, or the six highest emissions may be reported over all the current-carrying conductors.

3.1.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor

Factor = attenuation caused by cable loss + voltage division factor of AMN

The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

3.2 Radiation Spurious Emissions

3.2.1 Applicable Standard

FCC §15.231 (b);

In addition to the provisions of §15.205, the field strength of emissions from intentional radiators operated under this section shall not exceed the following:

Fundamental frequency (MHz)	Field strength of fundamental (microvolts/meter)	Field strength of spurious emissions (microvolts/meter)
40.66-40.70	2,250	225
70-130	1,250	125
130-174	¹ 1,250 to 3,750	¹ 125 to 375
174-260	3,750	375
260-470	¹ 3,750 to 12,500	¹ 375 to 1,250
Above 470	12,500	1,250

¹Linear interpolations.

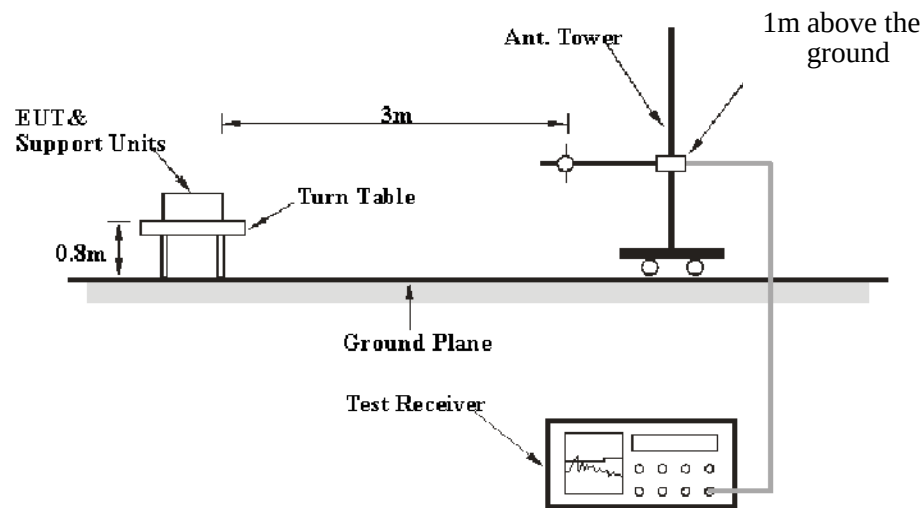
(1) The above field strength limits are specified at a distance of 3 meters. The tighter limits apply at the band edges.

(2) Intentional radiators operating under the provisions of this section shall demonstrate compliance with the limits on the field strength of emissions, as shown in the above table, based on the average value of the measured emissions. As an alternative, compliance with the limits in the above table may be based on the use of measurement instrumentation with a CISPR quasi-peak detector. The specific method of measurement employed shall be specified in the application for equipment authorization. If average emission measurements are employed, the provisions in §15.35 for averaging pulsed emissions and for limiting peak emissions apply. Further, compliance with the provisions of §15.205 shall be demonstrated using the measurement instrumentation specified in that section.

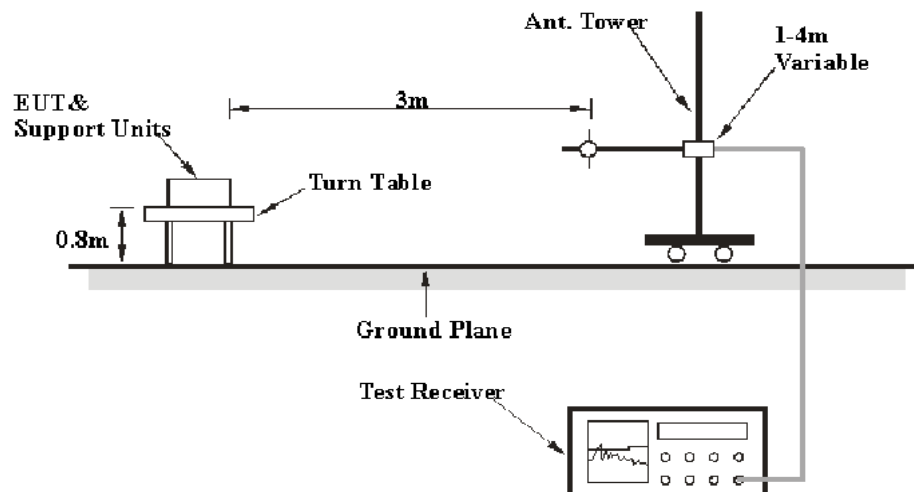
(3) The limits on the field strength of the spurious emissions in the above table are based on the fundamental frequency of the intentional radiator. Spurious emissions shall be attenuated to the average (or, alternatively, CISPR quasi-peak) limits shown in this table or to the general limits shown in §15.209, whichever limit permits a higher field strength.

3.2.2 EUT Setup

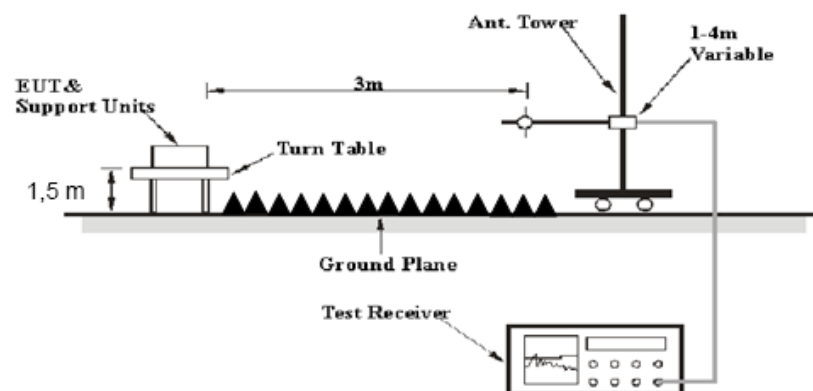
9kHz-30MHz:



30MHz-1GHz:



Above 1GHz:



The radiated emissions were performed in the 3 meters distance, using the setup accordance with the ANSI C63.10-2020. The specification used was the FCC 15.205, 15.209, and FCC 15.231 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

For 9kHz-30MHz test, the lowest height of the magnetic antenna shall be 1 m above the ground and three antenna orientations (parallel, perpendicular, and ground-parallel) shall be measured.

3.2.3 EMI Test Receiver & Spectrum Analyzer Setup

During the radiated emission test, the test receiver was set with the following configurations:

Frequency Range	RBW	Video B/W	IF B/W	Measurement
9 kHz – 150 kHz	300 Hz	1 kHz	/	PK
	/	/	300 Hz	QP/AV
150 kHz – 30 MHz	10 kHz	30 kHz	/	PK
	/	/	9 kHz	QP/AV
30 MHz – 1000 MHz	100 kHz	300 kHz	/	PK
	/	/	120 kHz	QP
Above 1 GHz	1 MHz	3 MHz	/	PK

If the maximized peak measured value complies with under the limit more than 6dB, then it is unnecessary to perform an QP/Average measurement.

3.2.4 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

According to §15.231, Intentional radiators operating under the provisions of this Section shall demonstrate compliance with the limits on the field strength of emissions, based on the average value of the measured emissions. As an alternative, compliance with the limits in the above table may be based on the use of measurement instrumentation with a CISPR quasi-peak detector

Data was recorded in Quasi-peak detection mode for frequency range of 9 kHz-1 GHz except 9–90 kHz, 110–490 kHz, employing an average detector, peak detection modes for frequencies above 1 GHz.

All emissions under the average limit and under the noise floor have not recorded in the report.

3.2.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor

Factor = Antenna Factor + Cable Loss- Amplifier Gain

The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

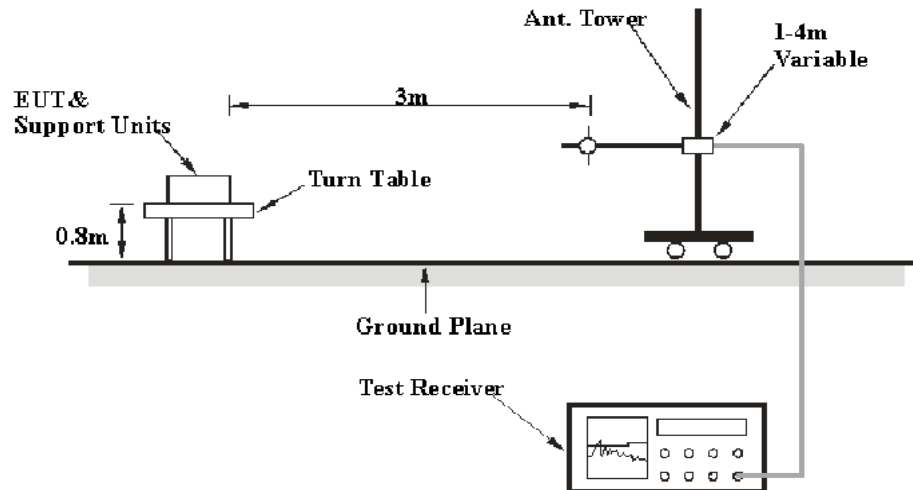
3.3 20 dB Emission Bandwidth:

3.3.1 Applicable Standard

FCC §15.231(c)

The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz. Bandwidth is determined at the points 20 dB down from the modulated carrier.

3.3.2 EUT Setup



3.3.3 Test Procedure

According to ANSI C63.10-2020 Section 6.9.2

- The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, unless otherwise specified by the applicable requirement.
- Set the video bandwidth (VBW) $\geq 3 \times \text{RBW}$.
- Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- Allow the trace to stabilize.
- Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 20 dB relative to the maximum level measured in the fundamental emission.

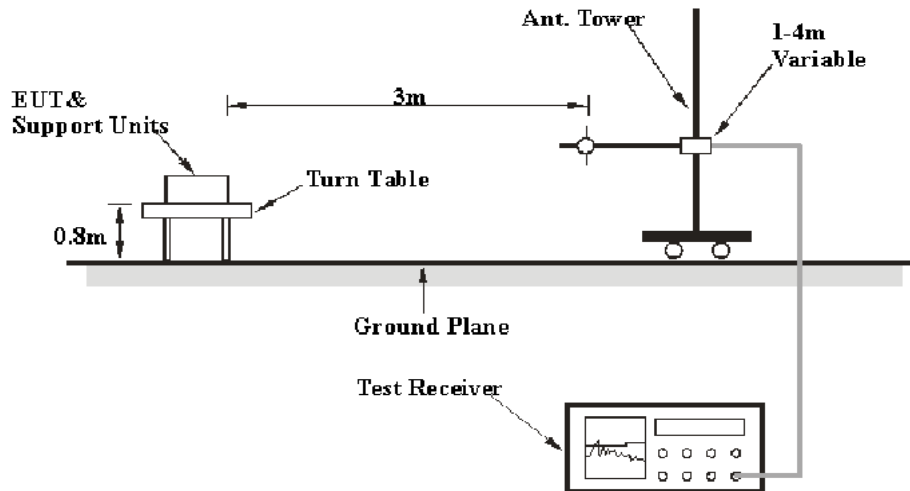
3.4 DEACTIVATION TESTING

3.4.1 Applicable Standard

FCC §15.231 (a)(1)

A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

3.4.2 EUT Setup



3.4.3 Test Procedure

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the ON and OFF times of the transmitted signal:

- 1) Set the center frequency of the instrument to the center frequency of the transmission.
- 2) Set $RBW \geq OBW$ if possible; otherwise, set RBW to the largest available value.
- 3) Set $VBW \geq RBW$. Set detector = peak or average.

3.5 Antenna Requirement

3.5.1 Applicable Standard

FCC §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. 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, 15.221, or §15.236. 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.

3.5.2 Judgment

Compliant. Please refer to the Antenna Information detail in Section 1.

4. Test DATA AND RESULTS

4.1 AC Line Conducted Emissions

Not Applicable, the device was powered by battery when operating.

4.2 Radiation Spurious Emissions

Sample Number:	3JQE-1	Test Date:	2026/4/23-2026/5/7
Test Site:	966-1,966-2	Test Mode:	Transmitting
Tester:	Jin He, Peter Rong	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.5-25.4	Relative Humidity: (%)	57-61	ATM Pressure: (kPa)	100.1-101
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
RE Below 1 GHz					
Sunol Sciences	Antenna	JB6	A082520-5	2023/12/1	2026/11/30
GLOBAL	Loop Antenna	1313-1A	3110611	2026/1/29	2029/1/28
Daruikang	Coaxial Cable	BNC-JJ-RG58	C-0300-01	2025/11/10	2026/11/9
Daruikang	Coaxial Cable	BNC-JJ-RG58	C-0500-01	2025/11/10	2026/11/9
R&S	EMI Test Receiver	ESR3	102724	2026/2/27	2027/2/26
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0100-03	2025/11/10	2026/11/9
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0370-01	2025/11/10	2026/11/9
XQY	Coaxial Cable	XQY-CMR400UF-NJ-NJ-7M	24056379	2025/6/4	2026/6/3
Sonoma	Amplifier	310N	186165	2025/11/10	2026/11/9
RE Above 1 GHz					
ETS-Lindgren	Horn Antenna	3115	9912-5985	2023/12/6	2026/12/5
R&S	Spectrum Analyzer	FSV40	101591	2026/2/27	2027/2/26
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2025/11/10	2026/11/9
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2025/11/10	2026/11/9
A.H	Pre-amplifier	PAM-0118P	628	2025/11/10	2026/11/9
Audix	Test Software	E3	191218 (V9)	N/A	N/A

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

After pre-scan in the X, Y and Z axes of orientation, the worst case (Y) is below:

1)9 kHz - 30MHz

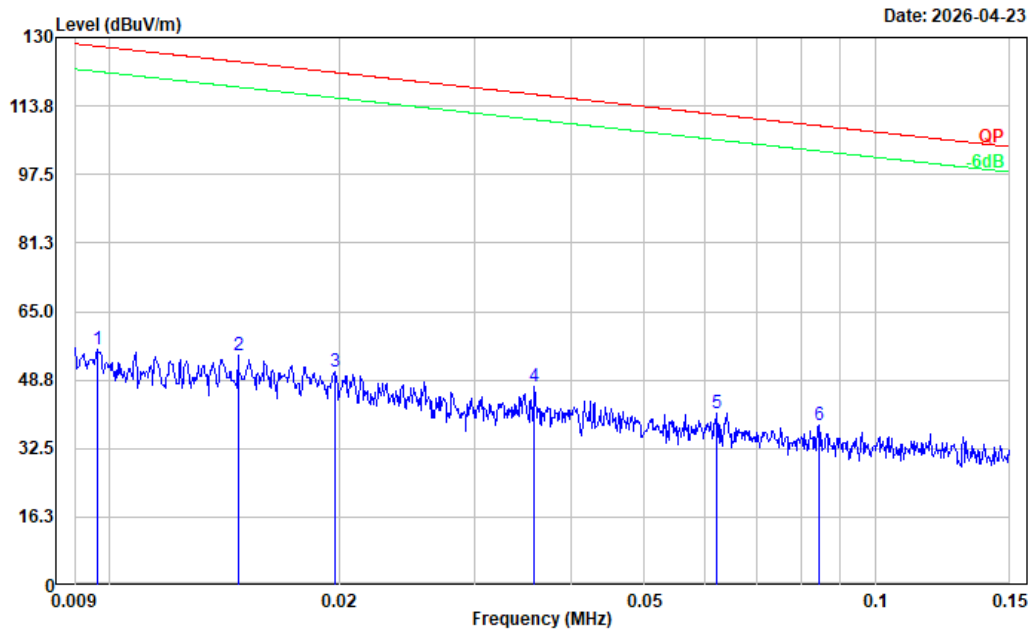
Project No.: 2603S30686E-RF

Tester: Jin He

Condition: RBW:0.2 kHz VBW:1 kHz

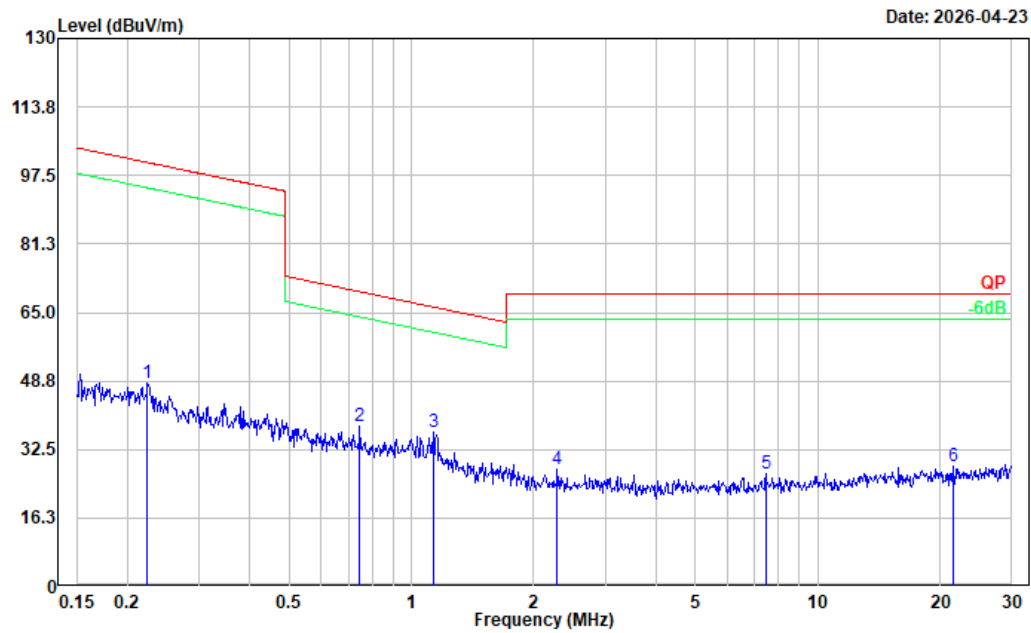
Polarization: Parallel

Note: Transmitting



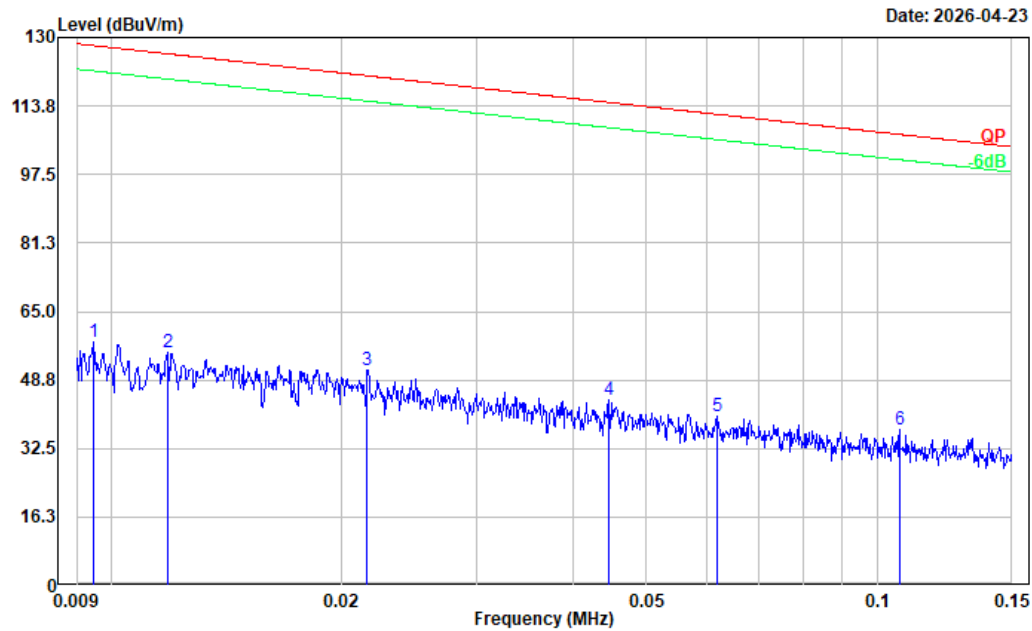
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.010	21.07	34.80	55.87	127.93	72.06	Peak
2	0.015	22.47	32.10	54.57	124.24	69.67	Peak
3	0.020	20.89	29.78	50.67	121.73	71.06	Peak
4	0.036	23.65	23.66	47.31	116.50	69.19	Peak
5	0.062	22.15	18.88	41.03	111.76	70.73	Peak
6	0.084	22.09	15.81	37.90	109.07	71.17	Peak

Project No.: 2603S30686E-RF
Tester: Jin He
Condition: RBW:9 kHz VBW:30 kHz
Polarization: Parallel
Note: Transmitting



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.224	39.72	8.56	48.28	100.58	52.30	Peak
2	0.747	39.74	-1.83	37.91	70.06	32.15	Peak
3	1.129	41.58	-4.87	36.71	66.39	29.68	Peak
4	2.285	35.47	-7.73	27.74	69.54	41.80	Peak
5	7.446	35.88	-8.93	26.95	69.54	42.59	Peak
6	21.486	37.16	-8.66	28.50	69.54	41.04	Peak

Project No.: 2603S30686E-RF
Tester: Jin He
Condition: RBW:0.2 kHz VBW:1 kHz
Polarization: Perpendicular
Note: Transmitting



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.009	23.33	34.31	57.64	128.08	70.44	Peak
2	0.012	22.50	32.76	55.26	126.13	70.87	Peak
3	0.022	23.21	27.76	50.97	120.92	69.95	Peak
4	0.045	23.51	20.52	44.03	114.61	70.58	Peak
5	0.062	22.28	17.78	40.06	111.78	71.72	Peak
6	0.107	23.77	13.22	36.99	107.01	70.02	Peak

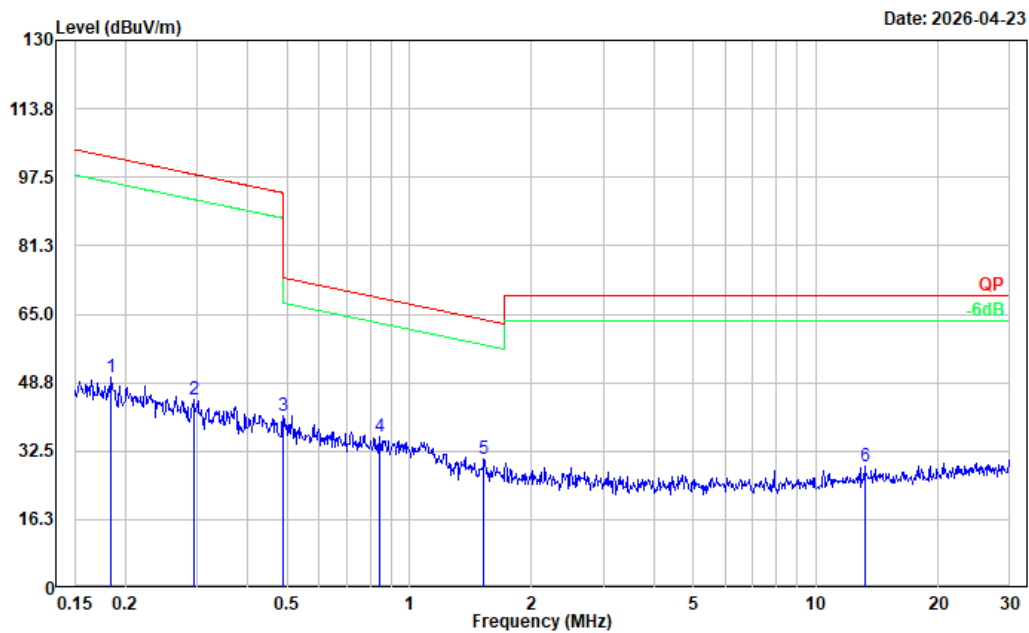
Project No.: 2603S30686E-RF

Tester: Jin He

Condition: RBW:9 kHz VBW:30 kHz

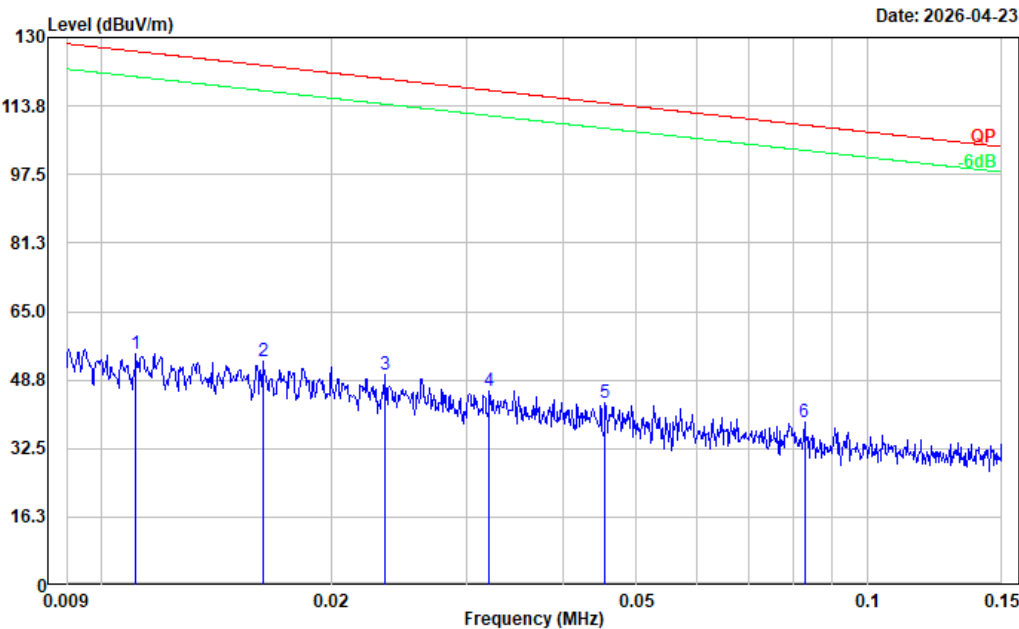
Polarization: Perpendicular

Note: Transmitting



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.184	40.26	9.70	49.96	102.29	52.33	Peak
2	0.294	40.00	4.71	44.71	98.24	53.53	Peak
3	0.489	40.75	0.21	40.96	93.82	52.86	Peak
4	0.844	39.82	-3.95	35.87	68.98	33.11	Peak
5	1.527	37.84	-7.07	30.77	63.72	32.95	Peak
6	13.197	37.73	-8.69	29.04	69.54	40.50	Peak

Project No.: 2603S30686E-RF
Tester: Jin He
Condition: RBW:0.2 kHz VBW:1 kHz
Polarization: Ground-Parallel
Note: Transmitting



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.011	21.11	33.81	54.92	126.71	71.79	Peak
2	0.016	21.87	31.38	53.25	123.39	70.14	Peak
3	0.023	22.01	28.02	50.03	120.21	70.18	Peak
4	0.032	21.78	24.48	46.26	117.47	71.21	Peak
5	0.046	21.78	21.61	43.39	114.44	71.05	Peak
6	0.083	22.70	15.97	38.67	109.24	70.57	Peak

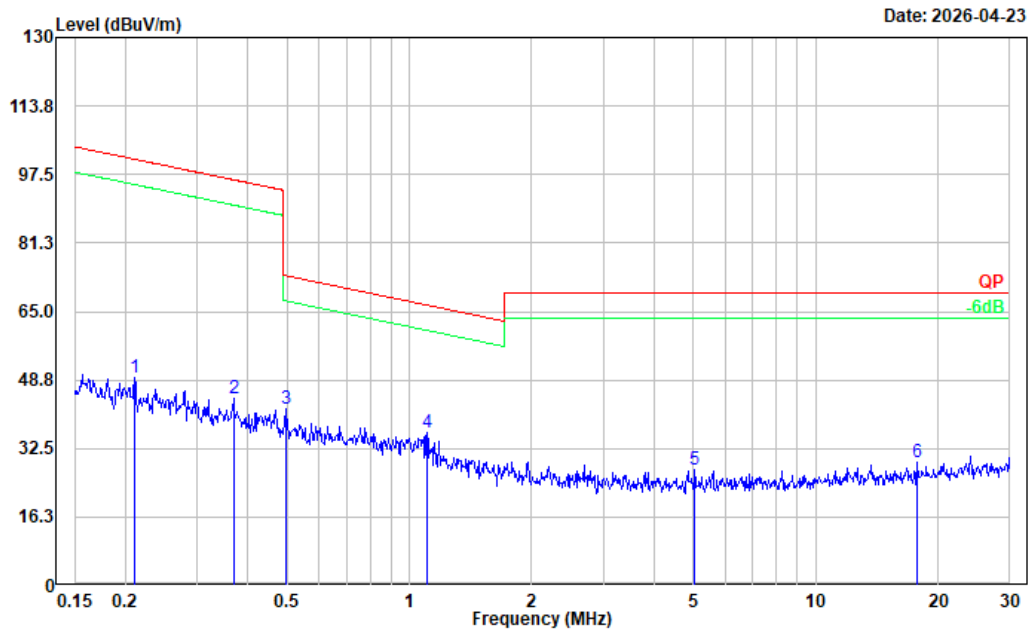
Project No.: 2603S30686E-RF

Tester: Jin He

Condition: RBW:9 kHz VBW:30 kHz

Polarization: Ground-Parallel

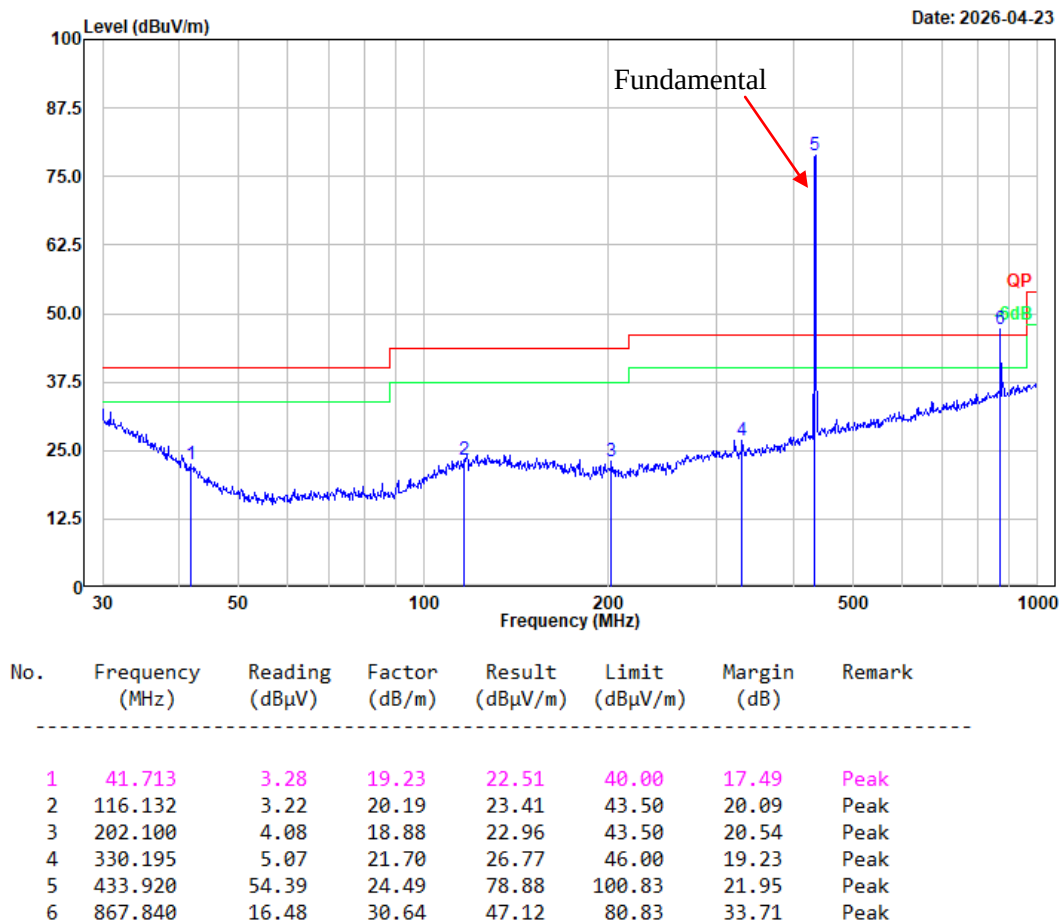
Note: Transmitting



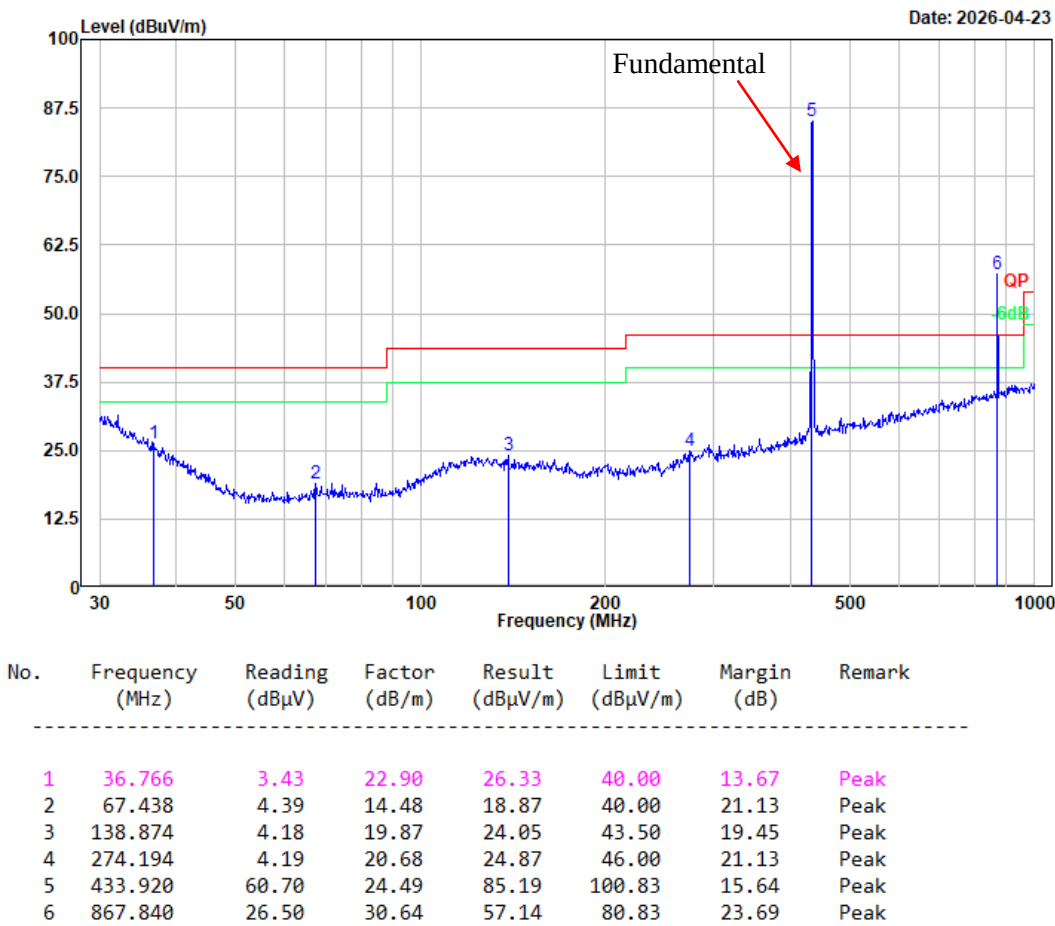
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.211	40.13	9.20	49.33	101.14	51.81	Peak
2	0.369	40.69	3.60	44.29	96.26	51.97	Peak
3	0.497	40.97	0.93	41.90	73.68	31.78	Peak
4	1.106	41.24	-4.80	36.44	66.58	30.14	Peak
5	5.031	36.57	-8.93	27.64	69.54	41.90	Peak
6	17.755	36.74	-7.53	29.21	69.54	40.33	Peak

2) 30 MHz - 5 GHz Peak Strength

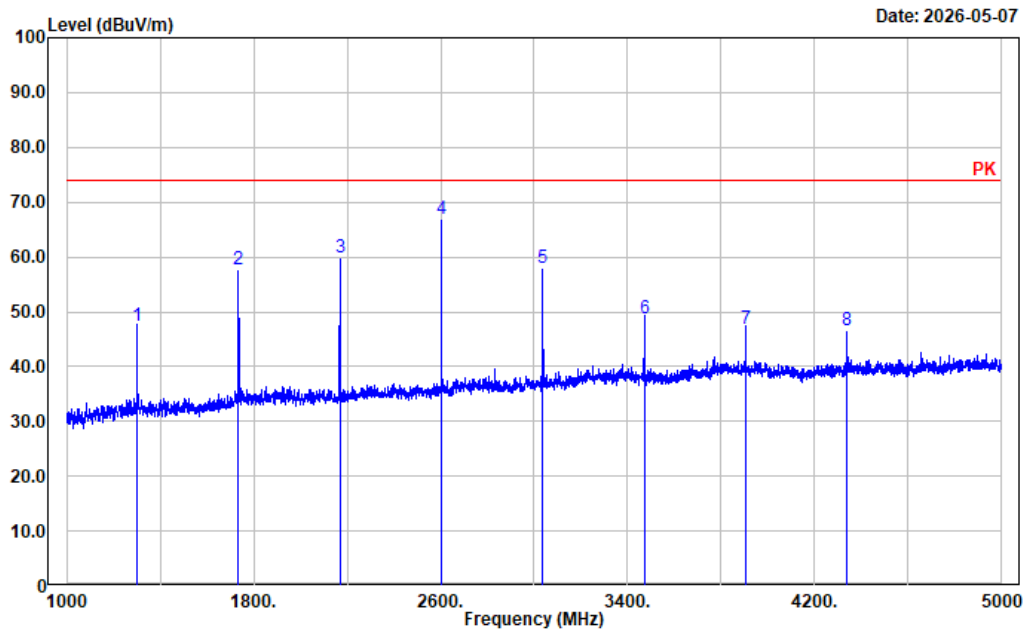
Project No.: 2603S30686E-RF
Tester: Jin He
Condition: RBW:120 kHz VBW:500 kHz
Polarization: horizontal
Note: Transmitting



Project No.: 2603S30686E-RF
Tester: Jin He
Condition: RBW:120 kHz VBW:500 kHz
Polarization: vertical
Note: Transmitting

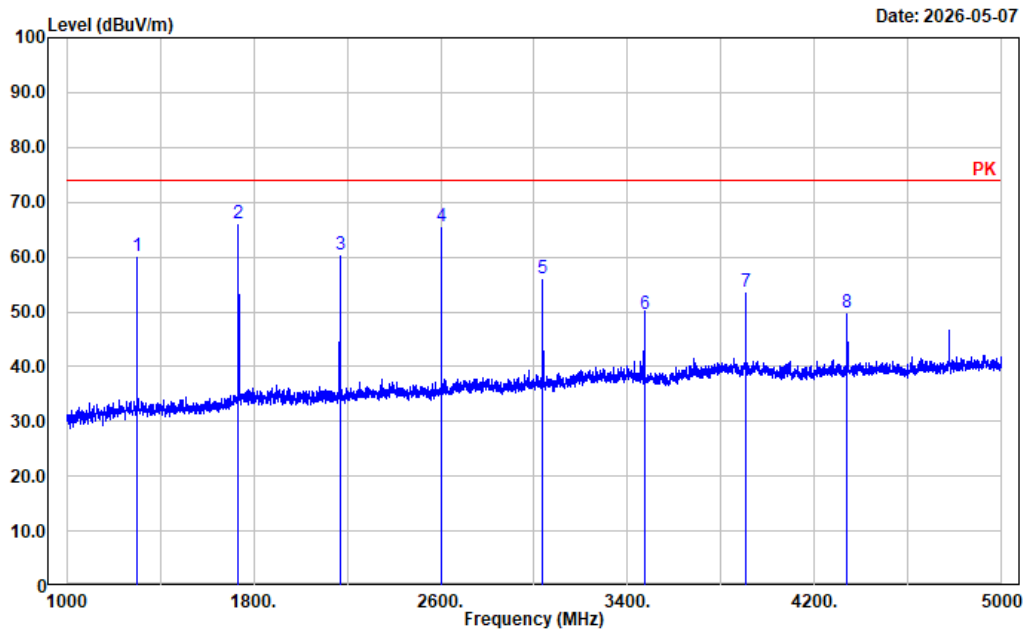


Project No: 2603S30686E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz
Polarization: horizontal
Note: Transmitting



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	1301.760	52.49	-5.00	47.49	74.00	26.51	Peak
2	1735.680	61.67	-4.08	57.59	80.83	23.24	Peak
3	2169.600	62.95	-3.04	59.91	80.83	20.92	Peak
4	2603.520	68.50	-1.65	66.85	80.83	13.98	Peak
5	3037.440	57.77	0.20	57.97	80.83	22.86	Peak
6	3471.360	47.31	1.53	48.84	80.83	31.99	Peak
7	3905.280	43.66	3.34	47.00	74.00	27.00	Peak
8	4339.200	43.20	3.40	46.60	74.00	27.40	Peak

Project No: 2603S30686E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz
Polarization: vertical
Note: Transmitting



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	1301.760	65.09	-5.00	60.09	74.00	13.91	Peak
2	1735.680	70.14	-4.08	66.06	80.83	14.77	Peak
3	2169.600	63.52	-3.04	60.48	80.83	20.35	Peak
4	2603.520	67.19	-1.65	65.54	80.83	15.29	Peak
5	3037.440	56.03	0.20	56.23	80.83	24.60	Peak
6	3471.360	47.95	1.53	49.48	80.83	31.35	Peak
7	3905.280	50.27	3.34	53.61	74.00	20.39	Peak
8	4339.200	46.37	3.40	49.77	74.00	24.23	Peak

Average Strength

Frequency (MHz)	Peak (dBμV/m)	Polar (H/V)	Duty Cycle Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
433.92 MHz						
433.92	78.88	H	-9.15	69.73	80.83	11.10
433.92	85.19	V	-9.15	76.04	80.83	4.79
867.84	47.12	H	-9.15	37.97	60.83	22.86
867.84	57.14	V	-9.15	47.99	60.83	12.84
1301.760	47.49	H	-9.15	38.34	54.00	15.66
1301.760	60.09	V	-9.15	50.94	54.00	3.06
1735.680	57.59	H	-9.15	48.44	60.83	12.39
1735.680	66.06	V	-9.15	56.91	60.83	3.92
2169.600	59.91	H	-9.15	50.76	60.83	10.07
2169.600	60.48	V	-9.15	51.33	60.83	9.50
2603.520	66.85	H	-9.15	57.70	60.83	3.13
2603.520	65.54	V	-9.15	56.39	60.83	4.44
3037.440	57.97	H	-9.15	48.82	60.83	12.01
3037.440	56.23	V	-9.15	47.08	60.83	13.75
3471.360	48.84	H	-9.15	39.69	60.83	21.14
3471.360	49.48	V	-9.15	40.33	60.83	20.50
3905.280	47.00	H	-9.15	37.85	54.00	16.15
3905.280	53.61	V	-9.15	44.46	54.00	9.54
4339.200	46.60	H	-9.15	37.45	54.00	16.55
4339.200	49.77	V	-9.15	40.62	54.00	13.38

Note:

Per pretest, the worst key:

COLOR

Duty cycle =34.88%

Duty Cycle Factor= $20 \times \log(\text{Duty cycle}) = -9.15 \text{ dB}$

Average Strength=Peak+duty cycle Factor

Duty Cycle	Receiver Spectrum (X) Ref Level 80.00 dBuV Att 10 dB RBW (CISPR) 120 kHz TRG:VID PS SWT 200 ms VBW 500 kHz Input 1 DC 1Pk ClrW 70 dBuV 60 dBuV 50 dBuV 40 dBuV 30 dBuV 20 dBuV 10 dBuV 0 dBuV -10 dBuV 40.000 dBuV TRG 7.51 dBuV M2[1] 190.0326 ms M2 12.70 dBuV M1[1] 40.9471 ms M1 CF 433.92 MHz 20000 pts 20.0 ms/ <table><tr><th>Marker</th><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td></td><td></td><td>1</td><td>40.9471 ms</td><td>12.70 dBuV</td><td></td><td></td></tr><tr><td>M2</td><td></td><td></td><td>1</td><td>190.0326 ms</td><td>7.51 dBuV</td><td></td><td></td></tr></table> ProjectNo.:2603S30686E-RF Tester:Jin He Date: 23.APR.2026 15:43:18	Marker	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1			1	40.9471 ms	12.70 dBuV			M2			1	190.0326 ms	7.51 dBuV		
Marker	Type	Ref	Trc	X-value	Y-value	Function	Function Result																		
M1			1	40.9471 ms	12.70 dBuV																				
M2			1	190.0326 ms	7.51 dBuV																				
Duty Cycle	Mode 80 dBuV 70 dBuV 60 dBuV 50 dBuV 40 dBuV 30 dBuV 20 dBuV 10 dBuV 0 dBuV -10 dBuV -20 dBuV YData1 0 40m 80m 0.12 0.16 0.2																								
Duty Cycle	Mode 80 dBuV 70 dBuV 60 dBuV 50 dBuV 40 dBuV 30 dBuV 20 dBuV 10 dBuV 0 dBuV -10 dBuV -20 dBuV YData1 48.74m 60m 80m 100m 0.12 0.14 0.1487 Max Duty Cycle(%) 34.88 Project No.: 2603S30686E-RF Tester: Jin He																								

4.3 20 dB Emission Bandwidth

Sample Number:	3JQE-1	Test Date:	2026/4/25
Test Site:	966-1	Test Mode:	Transmitting
Tester:	Jin He	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.7	Relative Humidity: (%)	57	ATM Pressure: (kPa)	101
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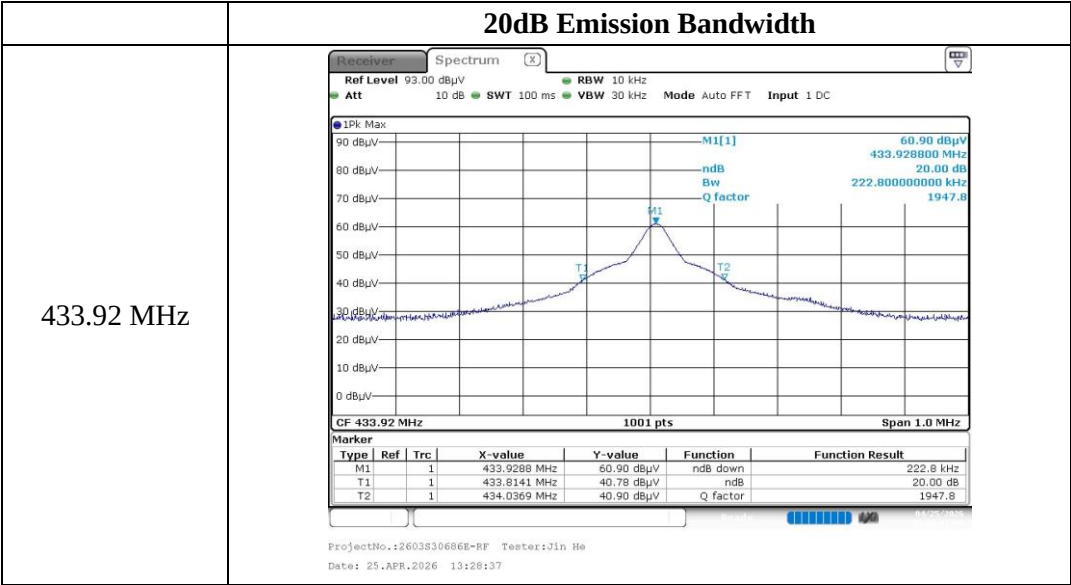
Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-6	2023/9/18	2026/9/17
R&S	EMI Test Receiver	ESR3	102724	2026/2/27	2027/2/26
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0100-03	2025/11/10	2026/11/9
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0370-01	2025/11/10	2026/11/9
XQY	Coaxial Cable	XQY-CMR400UF-NJ-NJ-7M	24056379	2025/6/4	2026/6/3
Sonoma	Amplifier	310N	186165	2025/11/10	2026/11/9

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

Test Frequency (MHz)	20dB Bandwidth (kHz)	Limit (kHz)
433.92	222.800	≤1084.800



4.4 DEACTIVATION TESTING:

Sample Number:	3JQE-1	Test Date:	2026/4/23
Test Site:	966-1	Test Mode:	Transmitting
Tester:	Jin He	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.4	Relative Humidity: (%)	61	ATM Pressure: (kPa)	100.1
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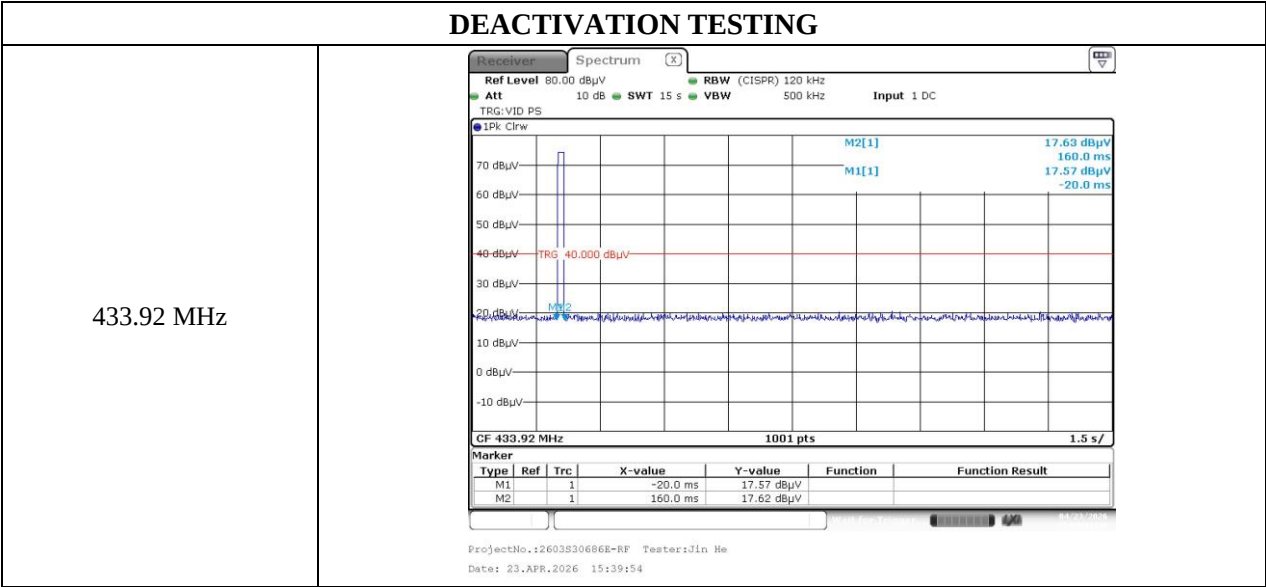
Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-6	2023/9/18	2026/9/17
R&S	EMI Test Receiver	ESR3	102724	2026/2/27	2027/2/26
TIMES MICROWAVE	Coaxial Cable	LMR-600- UltraFlex	C-0100-03	2025/11/10	2026/11/9
TIMES MICROWAVE	Coaxial Cable	LMR-600- UltraFlex	C-0370-01	2025/11/10	2026/11/9
XQY	Coaxial Cable	XQY- CMR400UF-NJ- NJ-7M	24056379	2025/6/4	2026/6/3
Sonoma	Amplifier	310N	186165	2025/11/10	2026/11/9

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

Test Frequency (MHz)	Maximum Deactivate Time (s)	Limit (s)
433.92	0.160	<5



5. RF EXPOSURE EVALUATION

5.1 Applicable Standard

§1.1307(b)(3)(i) For single RF sources (*i.e.*, any single fixed RF source, mobile device, or portable device, as defined in paragraph (b)(2) of this section): A single RF source is exempt if:

(A) The available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(ii)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(ii)(A);

5.2 Measurement Result

Frequency (MHz)	Maximum EIRP		1-mW Test Exemption
	dBm	mW	
433.92	-10.01	0.1	Compliant

Note:

1. Chose the maximum power to do RF Exposure Evaluation.
2. This device maximum E-Field level is 85.19 dB μ V/m at 3m, so the EIRP power is -10.01 dBm.
3. Pout EIRP (dBm)=Field Strength of Fundamental(dBuV/m)-95.2

Result: Compliant. RF Exposure is exemption.

6. EUT PHOTOGRAPHS

Please refer to the attachment 2603S30686E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2603S30686E-RF-INP EUT INTERNAL PHOTOGRAPHS

7. TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2603S30686E-RF-00A-TSP TEST SETUP PHOTOGRAPHS.

===== END OF REPORT =====