FCC Test Report

Report No.:	2405Z50601EA
Applicant:	SHENZHEN HOMELEAD ELECTRONICS CO., LTD.
Address:	11th Floor, Bldg 2, Phase 5, Fucheng Digital Innovation Shijing Road, Fucheng Street, Longhua, Shenzhen, China
Product Name:	Key Finder
Product Model:	KF06A
Multiple Models:	KF02E, KF02F, KF02G, KF02H, KF02I, KF02J, KF04G, KF04M, KF04N, KF04O, KF04P, KF04Q, KF04R, KF04S, KF04T, KF04U, KF06B, KF06C, KF06D, KF06E, KF06F, KF06G, KF06G-1, KF06H, KF06I, KF06J, KF06L, KF06M, KF06N, KF06O, KF06P, KF06Q, KF06R, KF06S, KF06T, KF06U, KF06V, KF08G, KF08H, KF08I, KF08J, KF08L
Trade Mark:	N/A
FCC ID:	2AAXF-HB9808
Standards:	FCC CFR Title 47 Part 15C (§15.231)
Test Date:	2024-11-19 to 2024-12-10
Test Result:	Complied
Report Date:	2024-12-17

Reviewed by: Abel Chen — Project Engineer

Approved by: Jacob Kong — Manager

Prepared by:

World Alliance Testing & Certification (Shenzhen) Co., Ltd
No. 1002, East Block, Laobing Building, Xingye Road 3012, Xixiang street, Bao'an District, Shenzhen, Guangdong, People's Republic of China

NVLAP TESTING NVLAP LAB CODE 600335-0

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2. The results in this report apply only to the sample tested.

3. This sample tested is in compliance with the limits of the above regulation.

4. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

5. The information marked "#" is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included.

Revision History

Version No.	Issued Date	Description
00	*2024-12-17*	*Original*

Contents

1 General Information

1.1 Client Information

Applicant:	SHENZHEN HOMELEAD ELECTRONICS CO., LTD.
Address:	11th Floor, Bldg 2, Phase 5, Fucheng Digital Innovation Shijing Road, Fucheng Street, Longhua, Shenzhen, China
Manufacturer:	SHENZHEN HOMELEAD ELECTRONICS CO., LTD.
Address:	11th Floor, Bldg 2, Phase 5, Fucheng Digital Innovation Shijing Road, Fucheng Street, Longhua, Shenzhen, China

1.2 Product Description of EUT

The EUT is Key Finder that contains 433.92MHz transmitter, this report covers the full testing of the 433.92MHz transmitter.

Sample Serial Number	2UKE-1 (assigned by WATC)
Sample Received Date	2024-11-15
Sample Status	Good Condition
Frequency Range	433.92MHz
Maximum E-field Strength:	79.08dBuV/m@3m
Modulation Technology	ASK
Antenna Gain#	Unknown
Spatial Streams#	SI(1TX)
Power Supply	DC 3V
Adapter Information	N/A
Modification	Sample No Modification by the test lab

1.3 Antenna information

15.203 requirement:

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, 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.

Device Antenna information:	

The antenna is an internal antenna which cannot replace by end-user. Please see product internal photos for details.

1.4 Related Submittal(s)/Grant(s)

No Related Submittal(s)/Grant(s)

1.5 Measurement Uncertainty

Parameter		Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
AC Power Lines Conducted Emissions		±3.14dB
Emissions, Radiated	Below 30MHz	±2.78dB
	Below 1GHz	±4.84dB
	Above 1GHz	±5.44dB
Bandwidth		0.34%

Note 1: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Note 2: The Decision Rule is based on simple acceptance with ISO Guide 98-4:2012 Clause 8.2 (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

1.6 Laboratory Location

World Alliance Testing & Certification (Shenzhen) Co., Ltd

No. 1002, East Block, Laobing Building, Xingye Road 3012, Xixiang street, Bao'an District, Shenzhen, Guangdong, People's Republic of China

Tel: +86-755-29691511, Email: qa@watc.com.cn

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. : 463912, the FCC Designation No. : CN5040.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0160.

1.7 Test Methodology

FCC CFR 47 Part 2

FCC CFR 47 Part 15

ANSI C63.10-2020

2 Description of Measurement

2.1 Test Configuration

Operating channels:					
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	433.92	/	/	/	/

According to ANSI C63.10-2020 chapter 5.6.1 Table 11 requirement, select middle channel in the frequency range in which device operates for testing. The detailed frequency points are as follows:

Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
/	/	1	433.92	/	/

Worst-Case Configuration:

For radiated emissions, EUT was investigated in three orthogonal orientation, the worst-case orientation was recorded in report.

For radiated emissions below 30MHz, three antenna orientations (parallel, perpendicular, gound-parallel) were tested, only record the worse case test data in report.

According to applicant, all the keys with same power setting, the EUT was configured to an engineering mode that with continue transmitting when power on for the testing.

All keys were evaluated the duty cycle, only the worst case(K2) duty cycle was recorded in report.

2.2 Test Auxiliary Equipment

Manufacturer	Description	Model	Serial Number
/	/	/	/

2.3 Interconnecting Cables

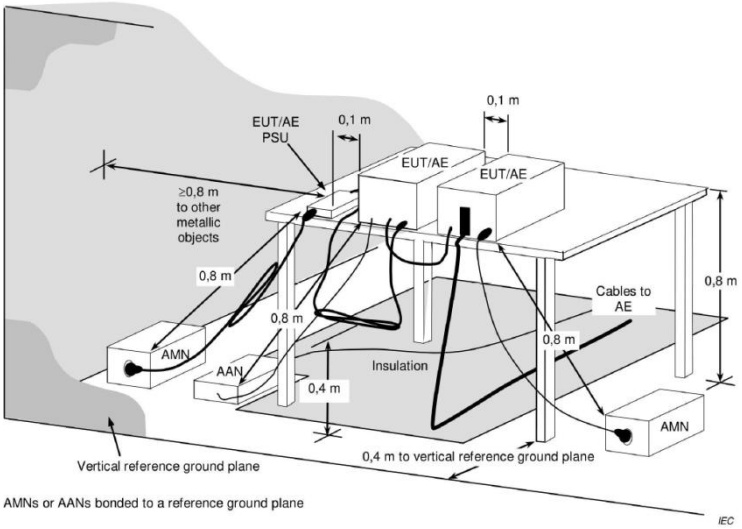
Manufacturer	Description	Length(m)	From	To
/	/	/	/	/

2.4 Block Diagram of Connection between EUT and AE

Note: for reference only, the actual connection setup used for testing please refer to the test photos.

2.5 Test Setup

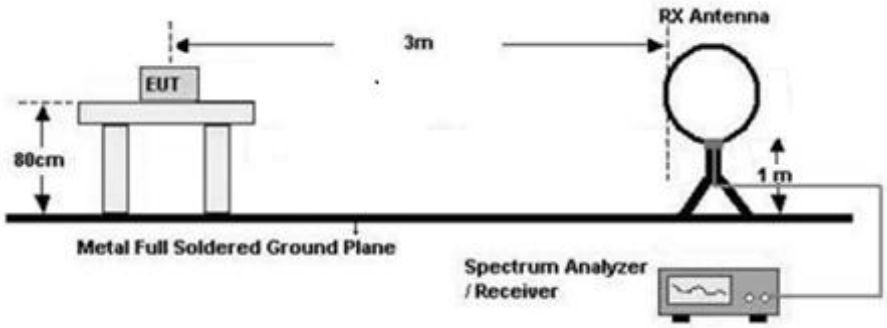
1) Conducted emission measurement:



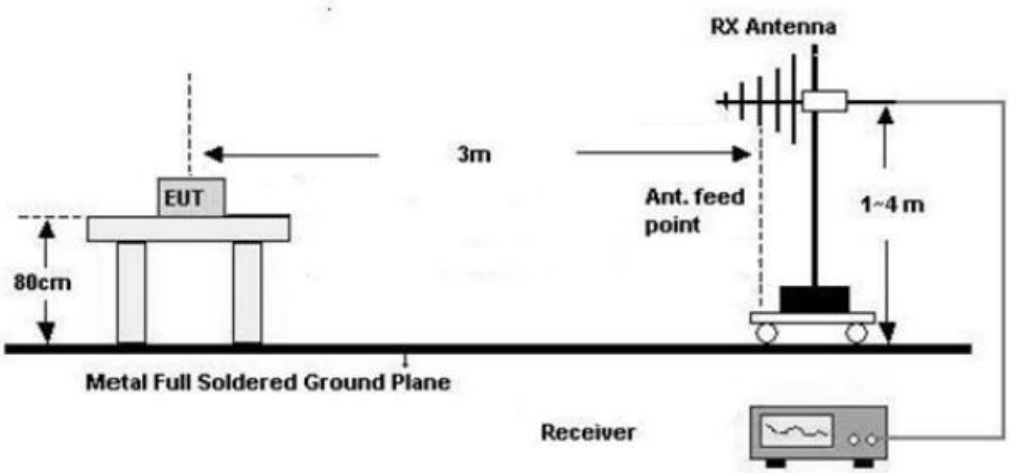
Note: The 0.8 m distance specified between EUT/AE/PSU and AMN/AAN, is applicable only to the EUT being measured. If the device is AE then it shall be >0.8 m.

2) Radiated emission measurement:

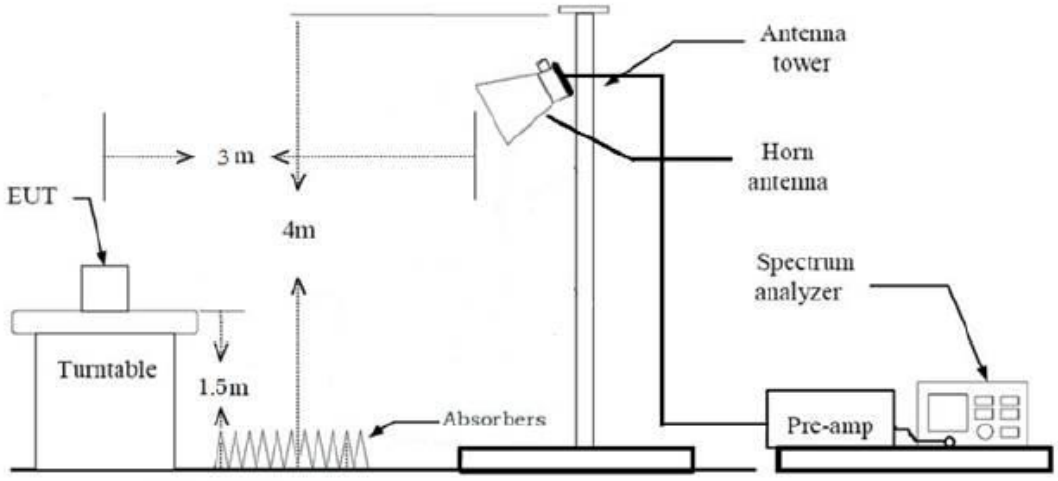
Below 30MHz (3m SAC)



30MHz-1GHz (3m SAC)



Above 1GHz (3m FAC)



2.6 Test Procedure

Conducted emission:

1. The E.U.T is placed on a non-conducting table 40cm from the vertical ground plane and 80cm above the horizontal ground plane (Please refer to the block diagram of the test setup and photographs).
2. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.
3. Line conducted data is recorded for both Line and Neutral

Radiated Emission Procedure:

a) For below 30MHz

1. All measurements were made at a test distance of 3 m. The measured data was extrapolated from the test distance (3m) to the specification distance (300 m from 9-490 kHz and 30 m from 490 kHz- 30 MHz) to clearly show the relative levels of fundamental and spurious emissions and demonstrate compliance with the requirement that the level of any spurious emissions be below the level of the intentionally transmitted signal. The extrapolation factor for the limits were 40*Log (test distance / specification distance).
2. Loop antenna use, investigation was done on the three antenna orientations (parallel, perpendicular, gound-parallel)

b) For 30MHz-1GHz:

1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m.
2. EUT works in each mode of operation that needs to be tested. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.

c) For above 1GHz:

1. The EUT was placed on the tabletop of a rotating table 1.5 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m (1-18GHz) and 1.5 m (above 18GHz).
2. EUT works in each mode of operation that needs to be tested，and having the EUT continuously working. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.
3. The RBW/VBW of spectrum analyzer is set to 1MHz/3MHz for scan Peak emissions
4. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.
5. Base on FCC 15.35 (c): for pulsed operation, the average emission was calculated by apply the duty cycle factor to the Peak emissions.

Bandwidth Test:

1. Use the same setup for radiated above 1GHz, found the maximum fundamental level.
2. Change the spectrum analyzer setting for bandwidth testing
3. Test the bandwidth and record the result

2.7 Measurement Method

Description of Test	Measurement Method
AC Line Conducted Emissions	ANSI C63.10-2020 Section 6.2
20dB Emission Bandwidth	ANSI C63.10-2020 Section 6.9.2
Deactivation Testing	ANSI C63.10-2020 Section 7.4
Field strength of fundamental and Radiated emission	ANSI C63.10-2020 Section 6.3&6.4&6.5&6.6

2.8 Measurement Equipment

Manufacturer	Description	Model	Management No.	Calibration Date	Calibration Due Date
Radiated Emission Test					
R&S	EMI test receiver	ESR3	102758	2024/6/4	2025/6/3
ROHDE& SCHWARZ	SPECTRUM ANALYZER	FSV40-N	101608	2024/6/4	2025/6/3
SONOMA INSTRUMENT	Low frequency amplifier	310	186014	2024/6/4	2025/6/3
A.H. Systems	PREAMPLIFIER	PAM-0118P	531	2024/6/4	2025/6/3
BACL	Loop Antenna	1313-1A	4010611	2024/2/7	2027/2/6
SCHWARZBECK	Log - periodic wideband antenna	VULB 9163	9163-872	2023/7/7	2026/7/6
Astro Antenna Ltd	Horn antenna	AHA-118S	3015	2023/7/6	2026/7/5
N/A	Coaxial Cable	NO.9	N/A	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.15	N/A	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.16	N/A	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.17	N/A	2024/6/4	2025/6/3
Audix	Test Software	E3	191218 V9	/	/

Note: All equipment is calibrated with valid calibrations. Each measurement data is traceable to the national or International standards.

3 Test Results

3.1 Test Summary

FCC/ISEDC Rules	Description of Test	Result
FCC §15.203	Antenna Requirement	Compliance
FCC §15.207(a)	AC Line Conducted Emissions	Not Applicable
FCC §15.231(c)	20dB Emission Bandwidth	Compliance
FCC §15.231(a)	Deactivation Testing	Compliance
FCC §15.205, §15.209, §15.231(b)	Field strength of fundamental and Radiated emission	Compliance

Not Applicable: the device only powered by battery

3.2 Limit

<table>
<tr><th>Test items</th><th>Limit</th></tr>
<tr><td>AC Line Conducted Emissions</td><td>See details §15.207 (a)</td></tr>
<tr><td>20dB Emission Bandwidth</td><td>The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900MHz.</td></tr>
<tr><td>Deactivation Testing</td><td>A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.</td></tr>
<tr><td>Field strength of fundamental and Radiated emission</td><td>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:
<table>
<tr><th>Fundamental frequency (MHz)</th><th>Field strength of fundamental (microvolts/meter)</th><th>Field strength of spurious emissions (microvolts/meter)</th></tr>
<tr><td>40.66–40.70</td><td>2,250</td><td>225</td></tr>
<tr><td>70–130</td><td>1,250</td><td>125</td></tr>
<tr><td>130–174</td><td>[1] 1,250 to 3,750</td><td>[1] 125 to 375</td></tr>
<tr><td>174–260</td><td>3,750</td><td>375</td></tr>
<tr><td>260–470</td><td>[1] 3,750 to 12,500</td><td>[1] 375 to 1,250</td></tr>
<tr><td>Above 470</td><td>12,500</td><td>1,250</td></tr>
</table>
[1] Linear interpolations.

The above field strength limits are specified at a distance of 3 meters. The tighter limits apply at the band edges.
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.
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.</td></tr>
</table>

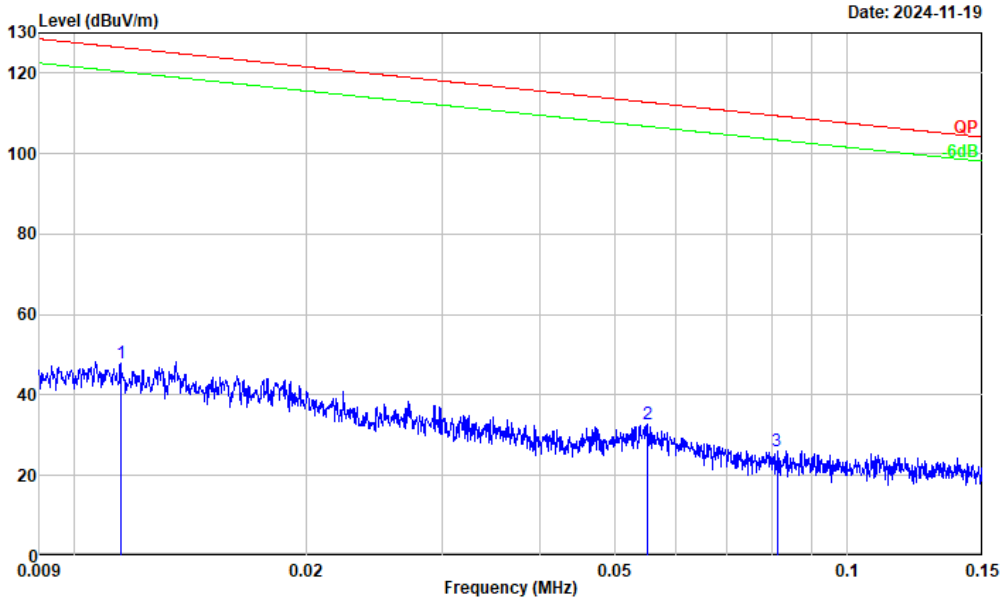
3.3 AC Line Conducted Emissions Test Data

Not Applicable, the device only powered by battery

3.4 Radiated emission Test Data

9 kHz-30MHz:

Test Date:	2024-11-19	Test By:	Bard Huang
Environment condition:	Temperature: 24.7°C; Relative Humidity:60%; ATM Pressure: 100.6kPa		

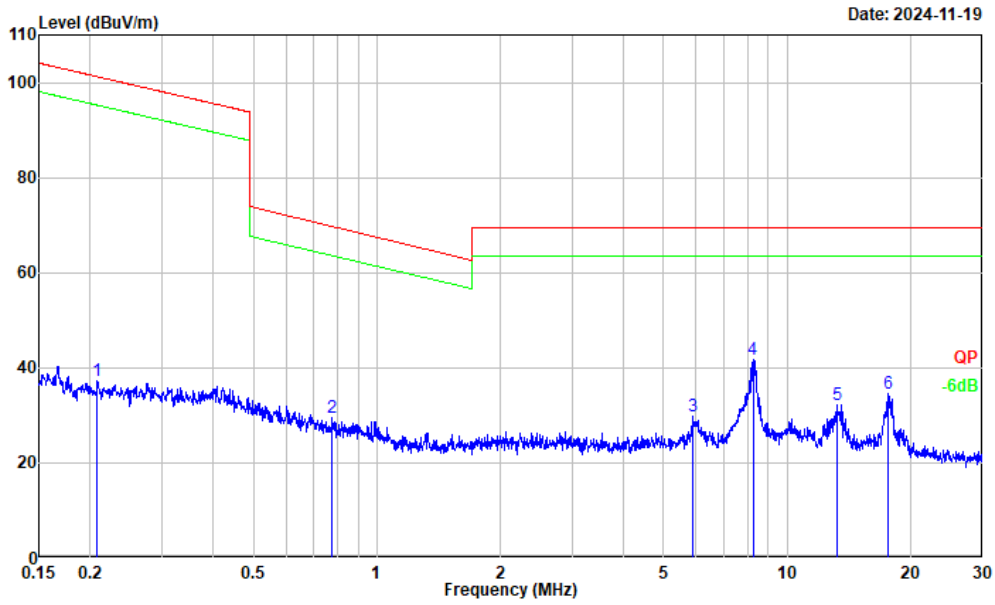


Project No. : 2405Z50601E
Test Mode : Transmitting
Test Voltage : Power by battery
Environment : 24.7℃/60%R.H./100.6kPa
Tested by : Bard Huang
Polarization : PARALLEL
Remark : /

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	0.011	11.80	36.27	48.07	126.41	-78.34	Peak
2	0.055	12.97	19.70	32.67	112.77	-80.10	Peak
3	0.081	10.04	16.17	26.21	109.41	-83.20	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

SA Setting: RBW: 200Hz, VBW: 1kHz, Detector: PK



Project No. : 2405Z50601E
Test Mode : Transmitting
Test Voltage : Power by battery
Environment : 24.7℃/60%R.H./100.6kPa
Tested by : Bard Huang
Polarization : PARALLEL
Remark : /

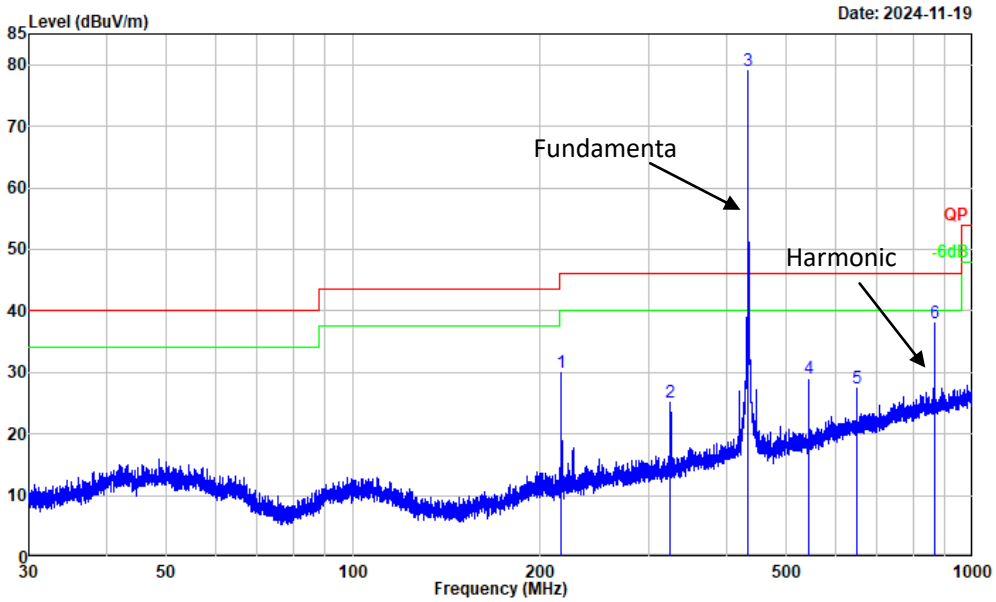
--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	0.208	25.37	11.90	37.27	101.23	-63.96	Peak
2	0.778	27.05	2.60	29.65	69.70	-40.05	Peak
3	5.893	33.91	-4.14	29.77	69.54	-39.77	Peak
4	8.252	45.70	-3.89	41.81	69.54	-27.73	Peak
5	13.191	35.80	-3.54	32.26	69.54	-37.28	Peak
6	17.656	37.99	-3.27	34.72	69.54	-34.82	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

SA Setting: RBW: 9kHz, VBW: 30kHz, Detector: PK

30MHz-1GHz:

Test Date:	2024-11-19	Test By:	Bard Huang
Environment condition:	Temperature: 24.7°C; Relative Humidity:60%; ATM Pressure: 100.6kPa		

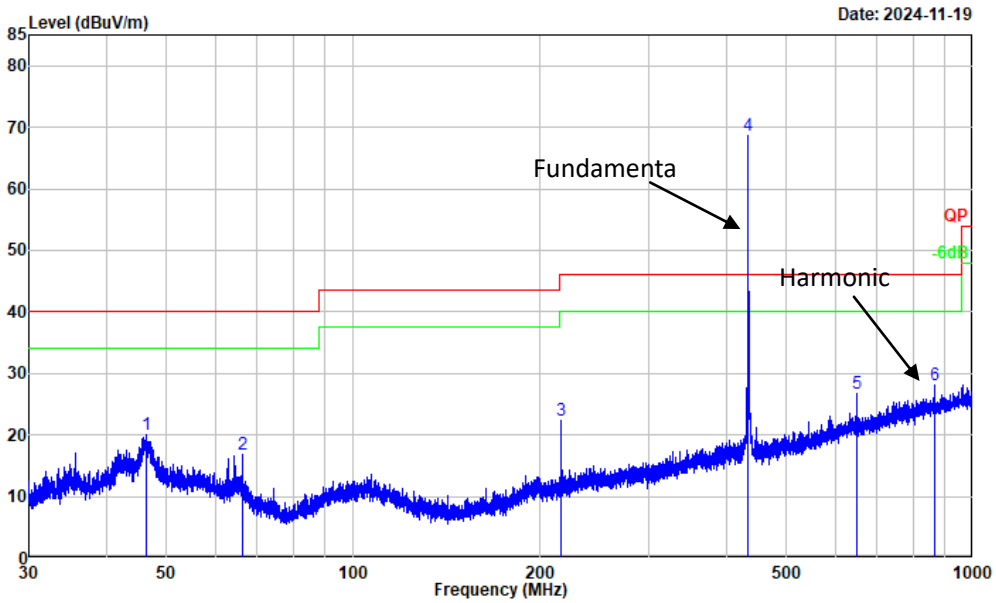


Project No. : 2405Z50601E
Test Mode : Transmitting
Test Voltage : Power by battery
Environment : 24.7℃/60%R.H./100.6kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : /

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	216.973	43.60	-13.76	29.84	46.00	-16.16	Peak
2	325.453	35.80	-10.70	25.10	46.00	-20.90	Peak
3	433.920	87.47	-8.39	79.08	100.83	-21.75	Peak
4	542.560	35.63	-6.72	28.91	46.00	-17.09	Peak
5	651.085	31.85	-4.51	27.34	46.00	-18.66	Peak
6	867.840	39.68	-1.65	38.03	80.83	-42.80	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

SA Setting: RBW: 100kHz, VBW: 300kHz, Detector: PK



Project No. : 2405Z50601E
Test Mode : Transmitting
Test Voltage : Power by battery
Environment : 24.7℃/60%R.H./100.6kPa
Tested by : Bard Huang
Polarization : vertical
Remark : /

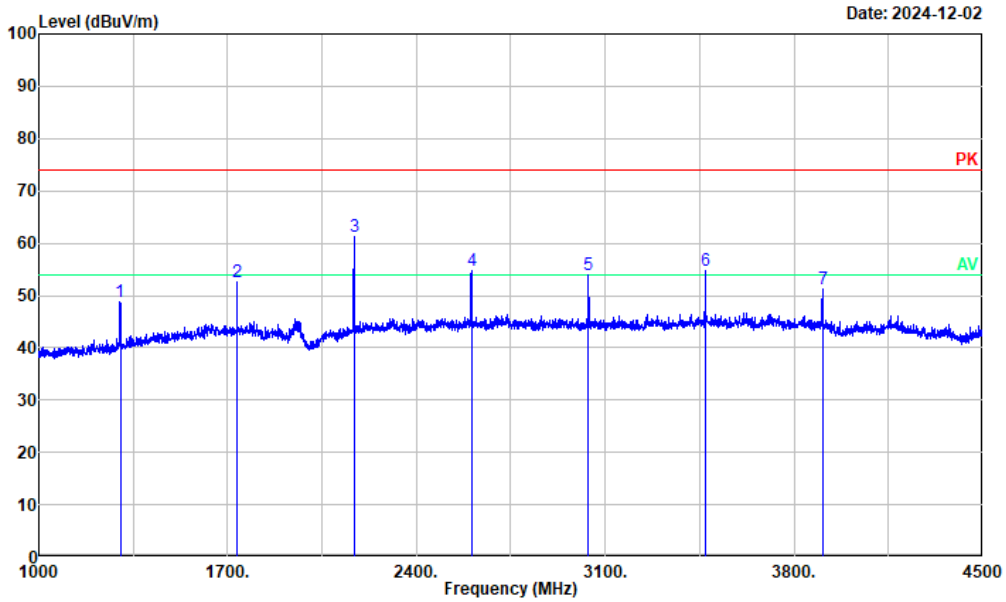
--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	46.340	32.11	-12.17	19.94	40.00	-20.06	Peak
2	66.266	31.65	-14.76	16.89	40.00	-23.11	Peak
3	216.973	36.08	-13.76	22.32	46.00	-23.68	Peak
4	433.920	76.94	-8.39	68.55	100.83	-32.28	Peak
5	651.085	31.32	-4.51	26.81	46.00	-19.19	Peak
6	867.840	29.64	-1.65	27.99	80.83	-52.84	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

SA Setting: RBW: 100kHz, VBW: 300kHz, Detector: PK

Above 1GHz:

Test Date:	2024-12-02	**Test By:**	Bard Huang
Environment condition:	Temperature: 25.2°C; Relative Humidity:37%; ATM Pressure: 101.7kPa		

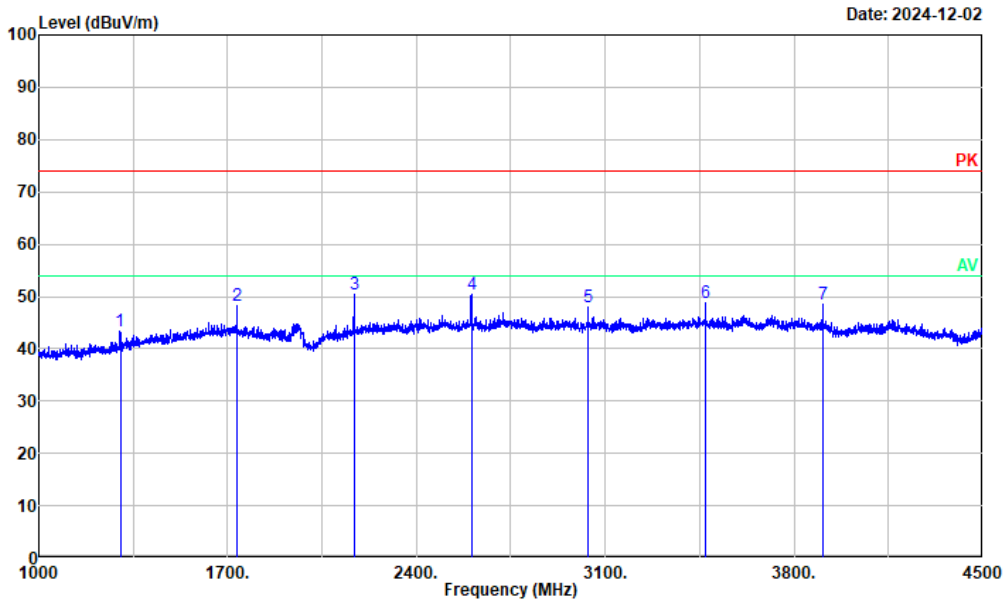


Project No. : 2405Z50601E-RF
Test Mode : Transmitting
Test Voltage : Power by battery
Environment : 25.2℃/37%R.H./101.7kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : /

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	1301.760	55.49	-6.82	48.67	74.00	-25.33	Peak
2	1735.680	56.45	-3.90	52.55	80.83	-28.28	Peak
3	2169.600	65.17	-3.94	61.23	80.83	-19.60	Peak
4	2603.520	57.62	-2.78	54.84	80.83	-25.99	Peak
5	3037.440	56.97	-3.16	53.81	80.83	-27.02	Peak
6	3471.360	57.62	-2.89	54.73	80.83	-26.10	Peak
7	3905.280	54.80	-3.56	51.24	74.00	-22.76	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

SA Setting: RBW: 1MHz, VBW: 3MHz, Detector: PK



Project No. : 2405Z50601E-RF
Test Mode : Transmitting
Test Voltage : Power by battery
Environment : 25.2℃/37%R.H./101.7kPa
Tested by : Bard Huang
Polarization : vertical
Remark : /

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	1301.760	50.07	-6.82	43.25	74.00	-30.75	Peak
2	1735.680	52.25	-3.90	48.35	80.83	-32.48	Peak
3	2169.600	54.34	-3.94	50.40	80.83	-30.43	Peak
4	2603.520	53.12	-2.78	50.34	80.83	-30.49	Peak
5	3037.440	51.18	-3.16	48.02	80.83	-32.81	Peak
6	3471.360	51.66	-2.89	48.77	80.83	-32.06	Peak
7	3905.280	52.11	-3.56	48.55	74.00	-25.45	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

SA Setting: RBW: 1MHz, VBW: 3MHz, Detector: PK

Field strength of average:

Frequency (MHz)	Peak level @3m (dBμV/m)	Polar	Duty cycle Factor (dB/m)	Average Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
433.920	79.08	horizontal	-17.68	61.40	80.83	-19.43	Fundamental
433.920	68.55	vertical	-17.68	50.87	80.83	-29.96	Fundamental
867.840	38.03	horizontal	-17.68	20.35	60.83	-40.48	Harmonic
867.840	27.99	vertical	-17.68	10.31	60.83	-50.52	Harmonic
1301.760	48.67	horizontal	-17.68	30.99	54.00	-23.01	Harmonic
1735.680	52.55	horizontal	-17.68	34.87	60.83	-25.96	Harmonic
2169.600	61.23	horizontal	-17.68	43.55	60.83	-17.28	Harmonic
2603.520	54.84	horizontal	-17.68	37.16	60.83	-23.67	Harmonic
3037.440	53.81	horizontal	-17.68	36.13	60.83	-24.70	Harmonic
3471.360	54.73	horizontal	-17.68	37.05	60.83	-23.78	Harmonic
3905.280	51.24	horizontal	-17.68	33.56	54.00	-20.44	Harmonic
1301.760	43.25	vertical	-17.68	25.57	54.00	-28.43	Harmonic
1735.680	48.35	vertical	-17.68	30.67	60.83	-30.16	Harmonic
2169.600	50.4	vertical	-17.68	32.72	60.83	-28.11	Harmonic
2603.520	50.34	vertical	-17.68	32.66	60.83	-28.17	Harmonic
3037.440	48.02	vertical	-17.68	30.34	60.83	-30.49	Harmonic
3471.360	48.77	vertical	-17.68	31.09	60.83	-29.74	Harmonic
3905.280	48.55	vertical	-17.68	30.87	54.00	-23.13	Harmonic

Remark:

Average Amplitude= Peak level + Duty Cycle Factor

Margin = Average Amplitude - Limit

3.5 Duty Cycle

Test Date:	2024-12-10	Test By:	Ryan Zhang
Environment condition:	Temperature: 24.5°C; Relative Humidity:55%; ATM Pressure: 100.5kPa		

Subpulse	Ton Duration [ms]	Number of pulse	Total On time [ms]	Period of the pulse train [ms]	Duty Cycle [%]
1	0.440	26	13.061	100	13.06
2	1.621	1			
Duty cycle Factor[dB]:		-17.68			

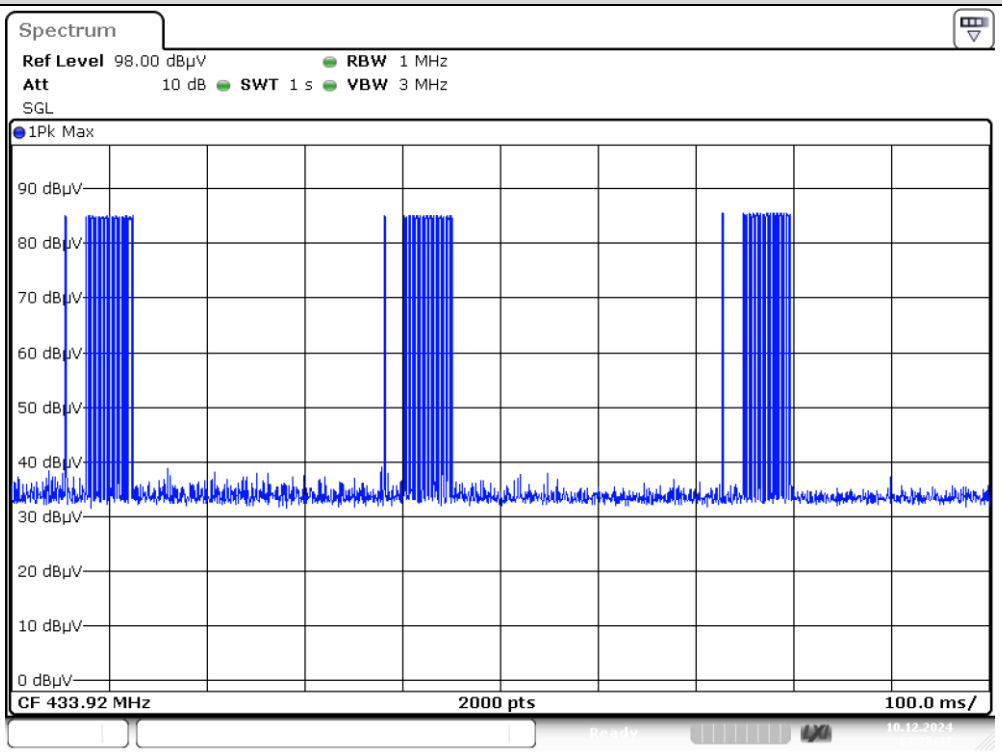
Remark:

Total On time= Ton1*N1+Ton2*N2

Duty Cycle=(Total On time)/Tp

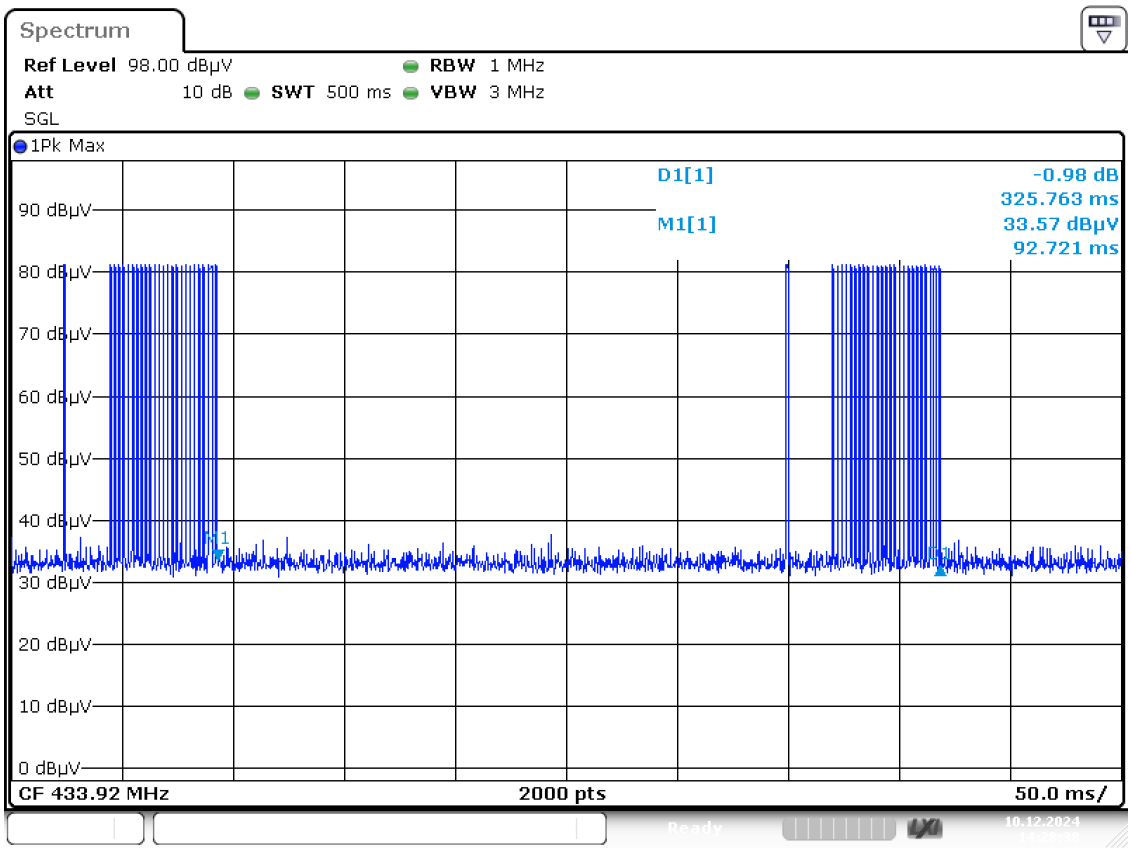
Duty Cycle Factor=20*log(Duty Cycle)

Duty Cycle



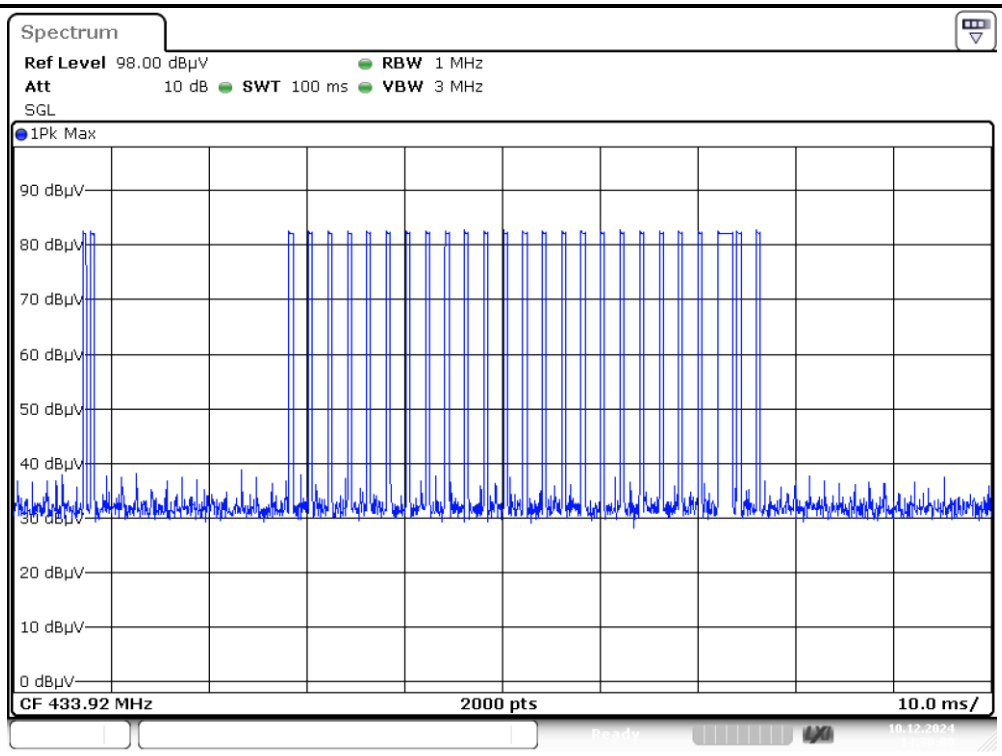
ProjectNo.:2405Z50601E Tester:Ryan Zhang

Date: 10.DEC.2024 14:25:47



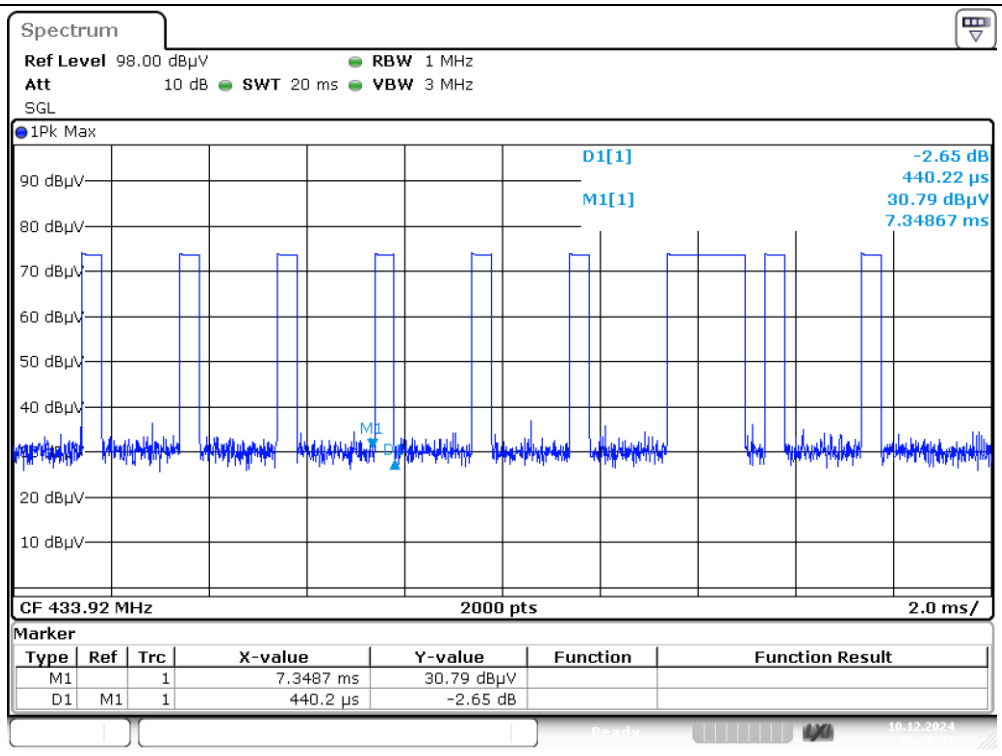
ProjectNo.:2405Z50601E Tester:Ryan Zhang

Date: 10.DEC.2024 14:28:38



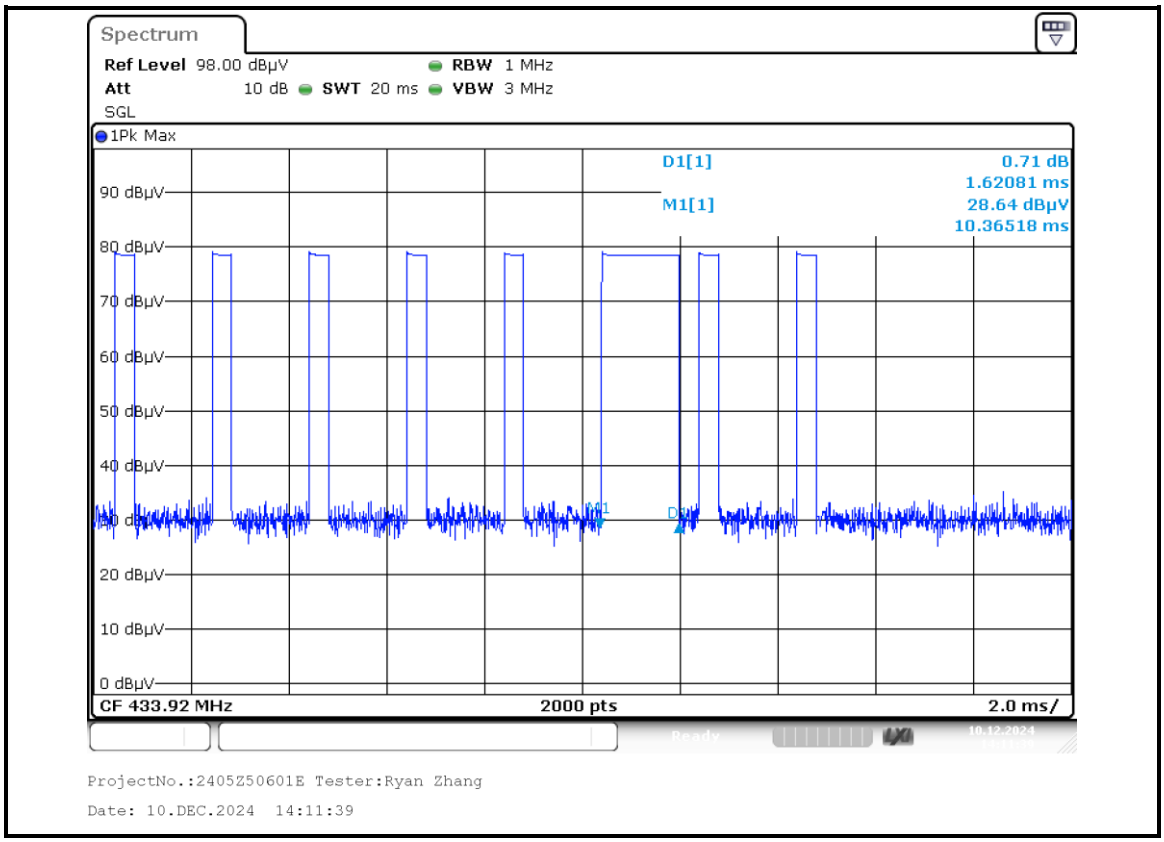
ProjectNo.:2405Z50601E Tester:Ryan Zhang

Date: 10.DEC.2024 14:30:01



ProjectNo.:2405Z50601E Tester:Ryan Zhang

Date: 10.DEC.2024 15:20:37


Spectrum
Ref Level 98.00 dBµV
RBW 1 MHz
Att 10 dB SWT 20 ms VBW 3 MHz
SGL
1Pk Max
D1[1] 0.71 dB
1.62081 ms
M1[1] 28.64 dBµV
10.36518 ms
90 dBµV
80 dBµV
70 dBµV
60 dBµV
50 dBµV
40 dBµV
30 dBµV
20 dBµV
10 dBµV
0 dBµV
CF 433.92 MHz
2000 pts
2.0 ms/
ProjectNo.:2405Z50601E Tester:Ryan Zhang
Date: 10.DEC.2024 14:11:39

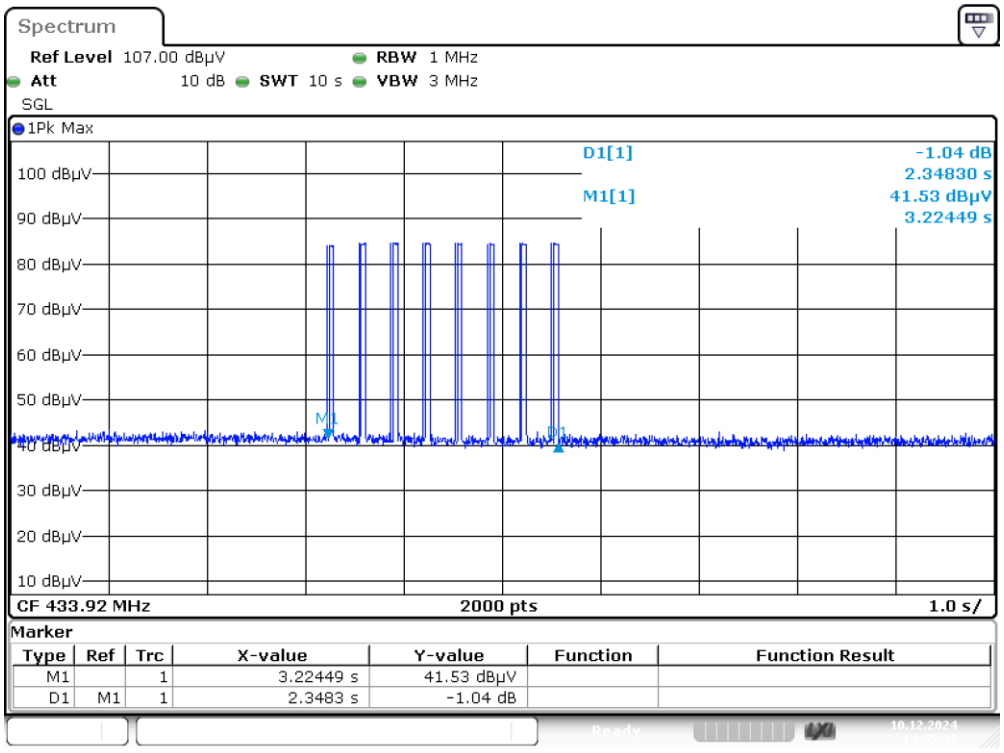
3.6 Deactivation Testing

Test Date:	2024-12-10	Test By:	Ryan Zhang
Environment condition:	Temperature: 24.5°C; Relative Humidity:55%; ATM Pressure: 100.5kPa		

Channel Frequency [MHz]	Deactivation time[s]	Limit[s]	Verdict
433.92	2.35	≤5	Pass

Test Plots:

Deactivation time



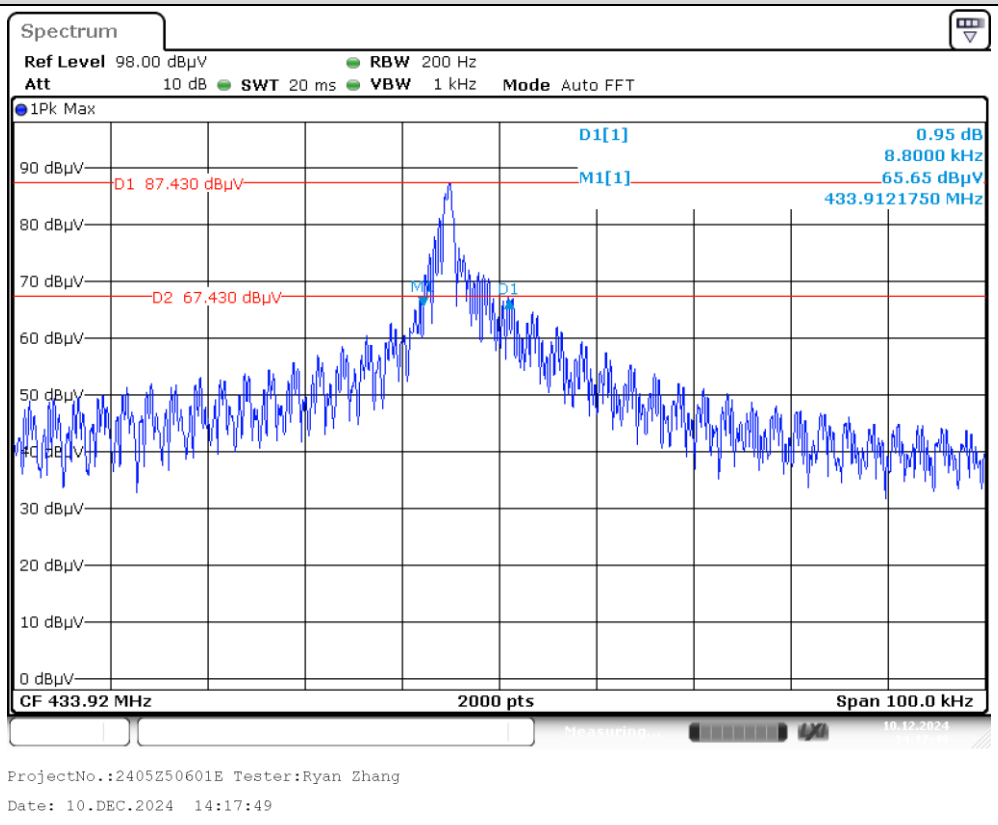
3.7 Bandwidth Test Data

Test Date:	2024-12-10	Test By:	Ryan Zhang
Environment condition:	Temperature: 24.5°C; Relative Humidity:55%; ATM Pressure: 100.5kPa		

Channel Frequency [MHz]	20dB BW [kHz]	Limit[kHz]	Verdict
433.92	8.800	1084.8	Pass

Test Plots:

20dB BW



4 Test Setup Photo

Please refer to the attachment 2405Z50601E Test Setup photo.

5 E.U.T Photo

Please refer to the attachment 2405Z50601E External photo and 2405Z50601E Internal photo.

---End of Report---