

TEST REPORT

Reference No...... : WTD26D01010116W
Applicant..... : Alarm.com Incorporated
Address..... : 8281 Greensboro Drive, Suite 100, Tysons, Virginia, 22102, USA
Manufacturer..... : LITE-ON VIETNAM CO., LTD.
Address..... : No. 149, 10th Road, VSIP Hai Phong Township, Industrial and Service Park, Nam Trieu Ward, Hai Phong City, Vietnam.
Product Name..... : Alarm.com 4MP Outdoor Wi-Fi Spotlight Camera
Model No..... : ADC-V730
Brand Name..... : ALARM.COM
Standards..... : Article 2 Paragraph 1 of Item 8
MIC Notice No.88 Appendix No.22-3
Date of Receipt Sample.... : 2025-12-24
Date of Test..... : 2026-04-20 to 2026-04-22
Date of Issue..... : 2026-07-14
Test Result..... : Pass

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company.

The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

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3 Revision History

Test Report No.	Date of Receipt Sample	Date of Test	Date of Issue	Purpose	Comment	Approved
WTD26D01010116W	2025-12-24	2026-04-20 to 2026-04-22	2026-07-14	Original	-	Valid

4 General Information

4.1 General Description of E.U.T.

Product:		Alarm.com 4MP Outdoor Wi-Fi Spotlight Camera
Model(s):		ADC-V730
Model Description:		N/A
Hardware version:		HWV0403
Software version:		05019
Radio type:		Specified Low Power Radio Equipment/Tele-control, and Data Transmission
Lora	Modulation:	CSS
	Frequency range:	921.6MHz to 924.6MHz
	Output power:	3.5mW
	Numbers of Ant.:	1
	Antenna installation:	FPC Antenna
	Antenna gain:	-0.4dBi
	Note: #: The antenna gain is provided by the applicant, and the applicant should be responsible for its authenticity, WALTERK lab has not verified the authenticity of its information.	

4.2 Details of E.U.T.

Power Supply Technical: 12V=1.5A

Adapter:

Model: WB-18U12R

Input: 100-240V~, 50-60Hz, 0.6A Max.

Output: 12.0V=1.5A 18.0W

Manufacturer: ASIAN POWER DEVICES INC.

4.3 Channel List

Using one unit channel

Unit channel number	Centre Frequency (MHz)	Unit channel number	Centre Frequency (MHz)	Unit channel number	Centre Frequency (MHz)
29	921.6	35	922.8	41	924.0
30	921.8	36	923.0	42	924.2
31	922.0	37	923.2	43	924.4
32	922.2	38	923.4	44	924.6
33	922.4	39	923.6	/	/
34	922.6	40	923.8	/	/

Using two radio channels

Unit channel number	Centre Frequency (MHz)	Unit channel number	Centre Frequency (MHz)
26, 27	922.1	43, 44	924.5

4.4 Subcontracted

Whether parts of tests for the product have been subcontracted to other labs:

☐ Yes ☒ No

If Yes, list the related test items and lab information:

Test Lab: N/A

Lab address: N/A

Test items: N/A

4.5 Abnormalities from Standard Conditions

None.

4.6 Test Facility

The test facility has a test site registered with the following organizations:

ISED CAB identifier: CN0013. Test Firm Registration No.: 7760A.

Waltek Testing Group Co., Ltd. Has been registered and fully described in a report filed with the Industry Canada. The acceptance letter from the Industry Canada is maintained in our files.

Registration number 7760A, October 15, 2016.

FCC Designation No.: CN1201. Test Firm Registration No.: 523476.

Waltek Testing Group Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration number 523476, September 10, 2019.

4.7 General condition

Ambient Condition: 24.5 °C 55 %RH

4.7.1 Environmental condition of test site

Voltage fluctuation

1. In the case of a characteristic test in the technical regulations conformity certification

The power supply supplies the voltage rating.

2. Other cases

The power supply supplies the voltage rating and the voltage rating $\pm 10\%$. However, when it can be confirmed that the change of the input voltage to the wireless part circuit of the testing machine is $\pm 1\%$ or less when the input voltage to the testing machine from the external source changes at $\pm 10\%$, examines it only by the voltage rating.

Power Supply Voltage Fluctuation Test

Voltage	Input Voltage	Radio Unit Voltage
High Voltage	10.8V	DC 3.3V
Normal Voltage	12.0V	DC 3.3V
Low Voltage	13.2V	DC 3.3V
Note: 1. The power supply to the RF unit is via a voltage regulator circuit (U4 TPS62825A). 2. The Power Supply Voltage Fluctuation of radio units is less than 1%, so the test only rated voltage (Normal voltage).		

Note:

The EUT is powered by an external adapter, and there is a voltage regulator circuit on the mainboard.

4.8 Test Mode

All test mode(s) and condition(s) mentioned were considered and evaluated respectively by performing full tests, the worst data were recorded and reported.

Have been confirmed the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/-1% when the power supply to the product varies at +/-10% by Manufacturer.

Test Rate	Test Channel	Frequency
200kHz	Low channel	921.6MHz
	Middle channel	923.0 MHz
	High channel	924.6 MHz
400kHz	Low channel	922.1 MHz
	High channel	924.5 MHz

4.9 Test Equipments list

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date
1	EXA Signal Analyzer	Keysight	N9010A	MY50520207	2026-04-07	2027-04-06
2	Spectrum Analyzer	R&S	FSP40	100091	2026-04-07	2027-04-06
3	DC power supply	Agilent	E3640A	MY40006693	2026-04-07	2027-04-06
4	Temperature & Humidity Chamber	Agilent	TH-1P-B	WIT-05121302	2025-11-14	2026-11-13
5	Temperature/ Humidity Meter	Agilent	ZC1-2	TR7-TH	2025-05-29	2026-05-28
6	ESG Vector Signal Generator	Keysight	E4438C	MY45092536	2026-04-07	2027-04-06

Remark:

(a) Calibration conducted by the National Institute of Information and Communications Technology (NICT) in Japan (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1) in JRL.

(b) Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Act (Act No. 51 of 1992).

(c) Calibration conducted in countries except Japan, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).

(d) Calibration, etc. conducted by using measuring instruments and other equipment listed in the right column of appended table No. 3, which shall have been given any type of calibration, etc. listed above from (a) to (c)

From JRL Article 24-2, paragraph 4, Item 2

1. All Equipments Calibration use the calibration method (c).

2. All Equipments Calibration in GUANG ZHOU GRG METROLOGY&TEST CO., LTD./ No.163.Pingyun Rd, West of HuangPu Ave. Guangzhou, Guangdong, China.

3. Regarding the measuring device, Article 24-2, Paragraph 4 of the Radio Law

5 Test Summary

Rules	Test Parameter	Result
Article 2 Paragraph 1 of Item 8	Frequency Tolerance	PASS
Article 2 Paragraph 1 of Item 8	Antenna power/EIRP	PASS
Article 2 Paragraph 1 of Item 8	Occupied frequency bandwidth	PASS
Article 2 Paragraph 1 of Item 8	unwanted emission strength	PASS
Article 2 Paragraph 1 of Item 8	Secondary radiated emission strength	PASS
Article 2 Paragraph 1 of Item 8	Adjacent Channel Leakage Power	PASS
Article 2 Paragraph 1 of Item 8	Transmission time restriction device	PASS
Article 2 Paragraph 1 of Item 8	Carrier Sensing Function	PASS
Article 2 Paragraph 1 of Item 8	Interference Prevention Function	PASS
Article 2 Paragraph 1 of Item 8	Transmitter Antenna Gain	PASS
Note: N/A is an abbreviation for Not Applicable.		

6 Measurements of Equipment

6.1 Frequency Tolerance

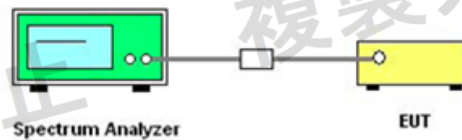
6.1.1 Test Requirement

Radio Law of Japan Item 8 of Article 2 Paragraph 1

6.1.2 Limit

$\pm 20\text{ppm}$

6.1.3 Diagram of Test Setup



6.1.4 Measuring Instruments and setting

Spectrum Parameter	Setting
Center frequency	Test channel
RBW/VBW	1kHz/30kHz
Span	1MHz
Sweep time	Auto
Detector mode	Positive peak

6.1.5 Test Procedures

Frequency accuracy of SA shall be less than 10% of limits tolerance.

Connect the UUT to the spectrum analyzer and set it up according to clause 6.1.4.

EUT have transmitted un-modulation signal and fixed channelize.

f is using the mark cursor to mark the peak frequency value, f_c is declaring of channel frequency. Then the frequency error formula is $(f_c - f)/f_c \times 10^6 \text{ppm}$ and the limit is less than $\pm 20\text{ppm}$.

6.1.6 Test Deviation

There is no deviation with the original standard.

6.1.7 EUT Operation during Test

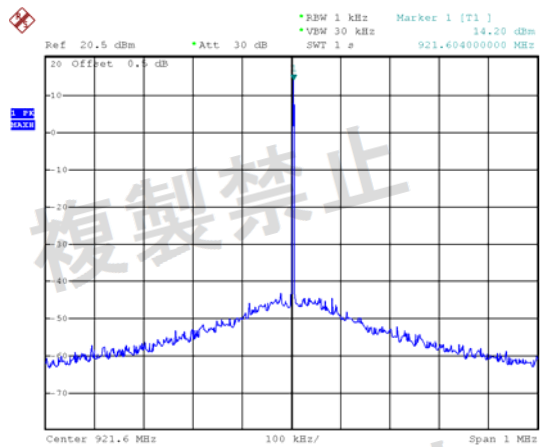
The EUT was placed on the test table and programmed in un-modulation function.

6.1.8 Test Result

Test Rate	Frequency (MHz)	Result (MHz)	Tolerance (kHz)	Tolerance (ppm)	Limit (ppm)
200kHz	921.6	921.604	+4.0	+4.34	±20
	923.0	923.004	+4.0	+4.33	
	924.6	924.604	+4.0	+4.33	
400kHz	922.1	922.104	+4.0	+4.34	
	924.5	924.504	+4.0	+4.33	

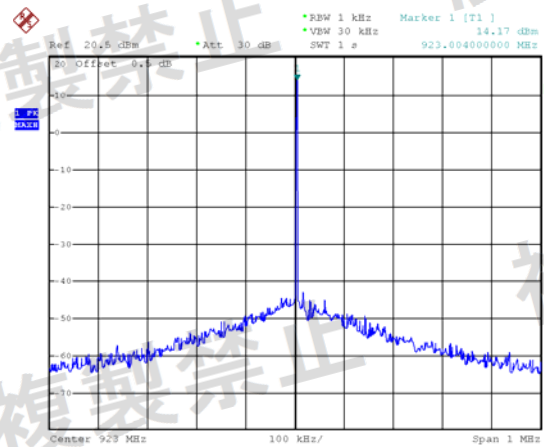
Test plots refer to next page.

Channel 921.6 MHz



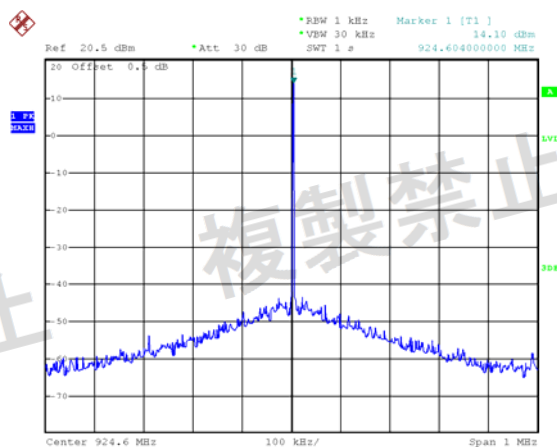
Date: 22.APR.2026 07:54:18

Channel 923.0 MHz



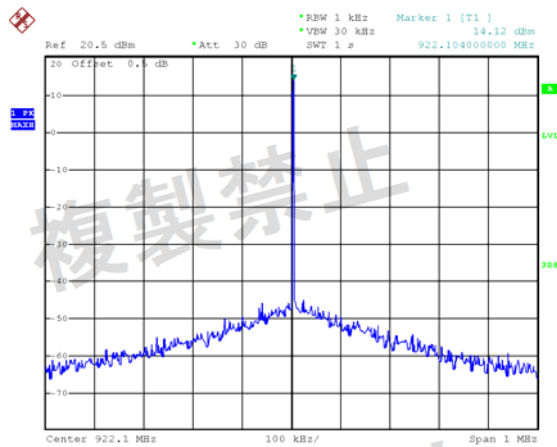
Date: 22.APR.2026 07:54:57

Channel 924.6 MHz



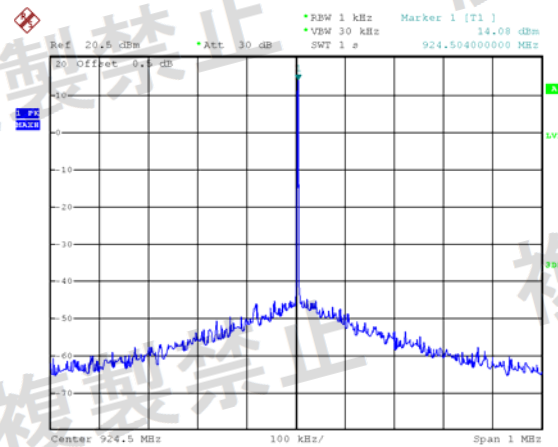
Date: 22.APR.2026 07:56:31

Channel 922.1 MHz



Date: 22.APR.2026 07:57:50

Channel 924.5 MHz



Date: 22.APR.2026 07:58:17

6.2 Antenna Power and Tolerance

6.2.1 Test Requirement

Radio Law of Japan Item 8 of Article 2 Paragraph 1

6.2.2 Limit

Output power shall be less than 0.02W

Output Power Tolerance must be within +20%, -80%

EIRP<16dBm

6.2.3 Diagram of Test Setup



6.2.4 Measuring Instruments and setting

Spectrum Parameter	Setting
Center frequency	Test channel
RBW/VBW	1MHz/3MHz
Span	4MHz
Sweep time	Auto
Detector mode	Positive peak

6.2.5 Test Procedures

Connect the UUT to the spectrum analyzer and set it up according to clause 6.2.4.

EUT have transmitted the maximum modulation signal and fixed channelize.

Find the Peak value for the power envelope and record.

6.2.6 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

6.2.7 Test Result

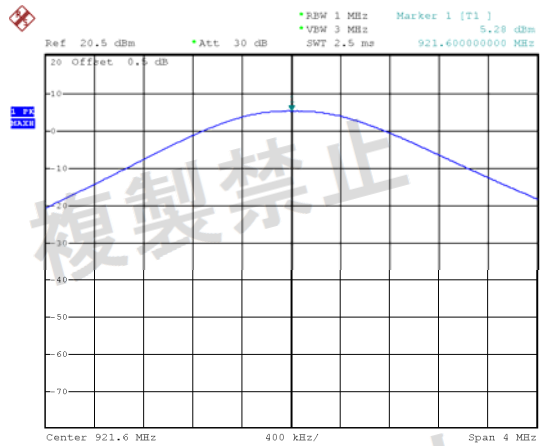
Channel (MHz)	Measurement		Rate power (mW)	Limit (mW)	Tolerance (%)	Limit (%)	EIRP (dBm)	Limit (dBm)	Result
	(dBm)	(mW)							
921.6	5.28	3.37	3.5	20	-3.63	-80% ~ +20%	5.38	<16	Pass
923.0	5.23	3.33	3.5	20	-4.74		5.33		Pass
924.6	5.14	3.27	3.5	20	-6.69		5.24		Pass
922.1	5.21	3.32	3.5	20	-5.17		5.31		Pass
924.5	5.14	3.27	3.5	20	-6.69		5.24		Pass

Note:

EIRP(dBm)= Measurement data (dBm)+antenna gain

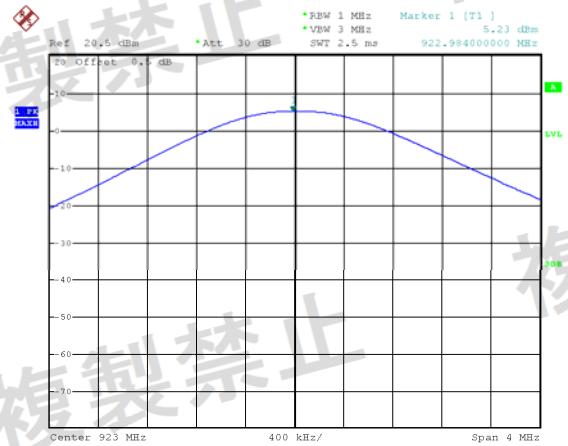
Test plots refer to next page.

Channel 921.6 MHz



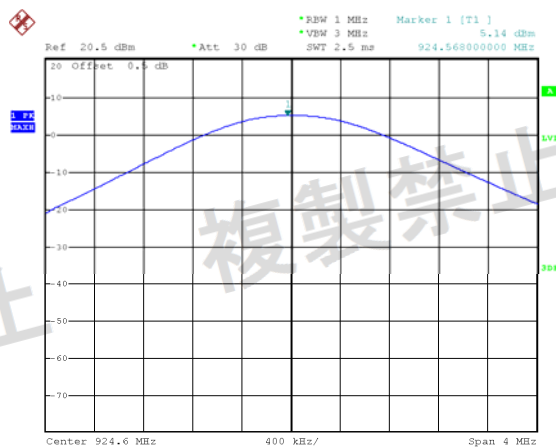
Date: 26.APR.2026 17:02:29

Channel 923.0 MHz



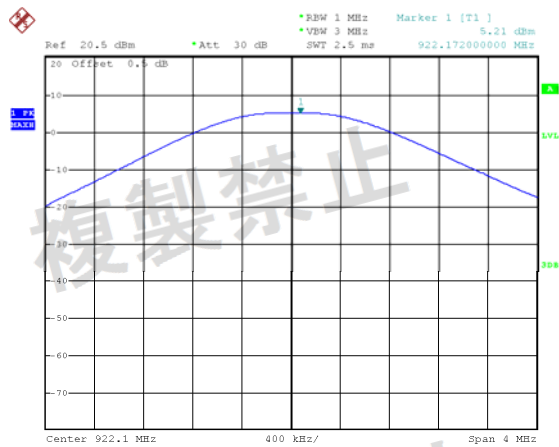
Date: 26.APR.2026 17:03:00

Channel 924.6MHz



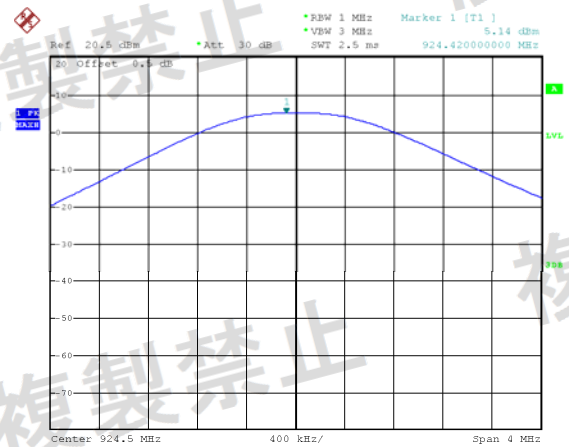
Date: 26.APR.2026 17:03:42

Channel 922.1 MHz



Date: 26.APR.2026 17:05:31

Channel 924.5 MHz



Date: 26.APR.2026 17:06:14

6.3 Occupied Frequency Bandwidth

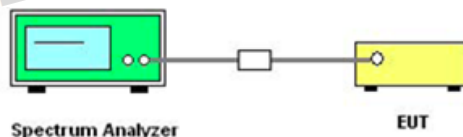
6.3.1 Test Requirement

Radio Law of Japan Item 8 of Article 2 Paragraph 1

6.3.2 Limit

Frequency Band	Limit
920.6 ~ 928.0MHz	200kHz or less
920.7 ~ 927.9MHz	400kHz or less
920.8 ~ 927.8MHz	600kHz or less
920.9 ~ 927.6MHz	800kHz or less
921.0 ~ 928.0MHz	1000kHz or less

6.3.3 Diagram of Test Setup



6.3.4 Measuring Instruments and setting

Spectrum Parameter	Setting
Center frequency	Test channel
RBW/VBW	10kHz/10kHz
Span	2MHz
Sweep time	Auto
Detector mode	Positive peak

6.3.5 Test Procedures

Connect the UUT to the spectrum analyzer and set it up according to clause 6.3.3.

EUT have transmitted the maximum modulation signal and fixed channelize.

Save the data after it becomes stable.

6.3.6 Test Deviation

There is no deviation with the original standard.

6.3.7 EUT Operation during Test

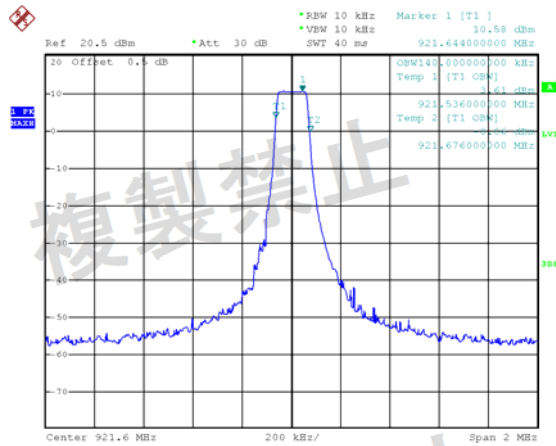
The EUT was programmed to be in continuously transmitting mode.

6.3.8 Test Result

Test Rate	Frequency (MHz)	Result (kHz)	Limit
200kHz	921.6	140	200kHz or less
	923.0	140	
	924.6	140	
400kHz	922.1	268	400kHz or less
	924.5	268	

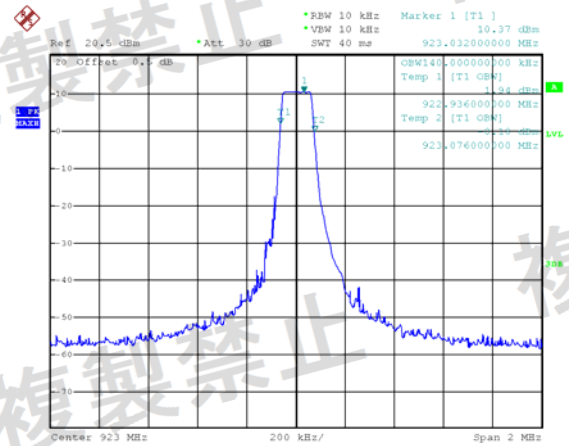
Test plots refer to next page

Channel 921.6 MHz



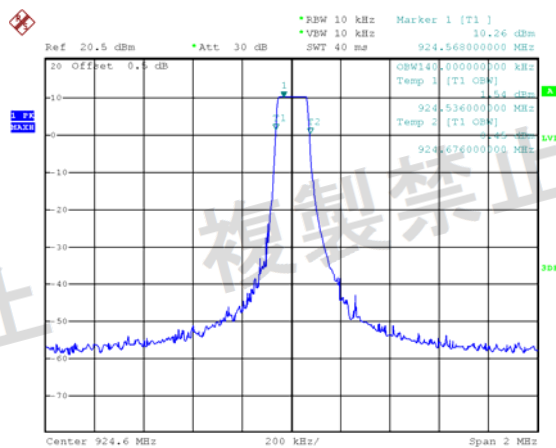
Date: 22.APR.2026 08:09:39

Channel 923.0 MHz



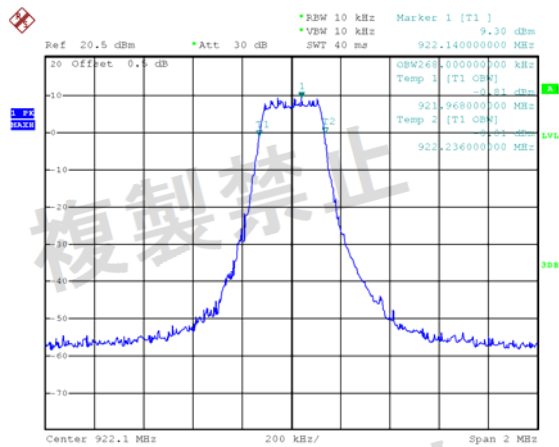
Date: 22.APR.2026 08:21:30

Channel 924.6MHz



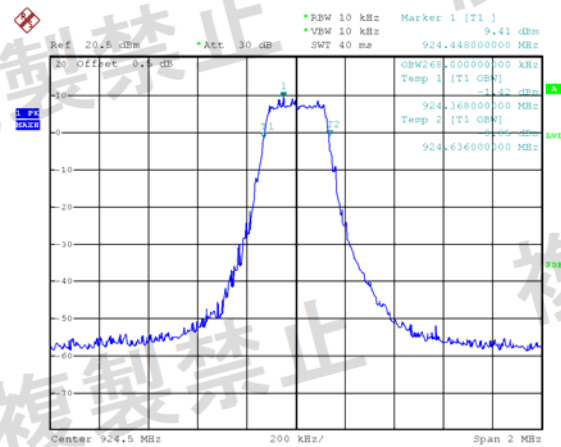
Date: 22.APR.2026 08:22:13

Channel 922.1 MHz



Date: 22.APR.2026 08:35:26

Channel 924.5 MHz



Date: 22.APR.2026 08:36:23

6.4 Spurious Emission Intensity

6.4.1 Test Requirement

Radio Law of Japan Item 8 of Article 2 Paragraph 1.

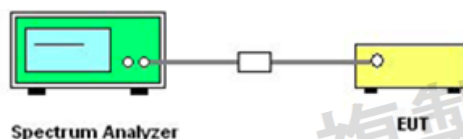
6.4.2 Limit

$\leq 710\text{MHz}$: -36dBm/100kHz
 $710\text{MHz} <, \leq 900\text{MHz}$: -55dBm/1MHz
 $900\text{MHz} <, \leq 915\text{MHz}$: -55dBm/100kHz
 $915\text{MHz} <, \leq 930\text{MHz}^*$: -36dBm/100kHz
 $930\text{MHz} <, \leq 1000\text{MHz}$: -55dBm/100kHz
 $1000\text{MHz} <, \leq 1215\text{MHz}$: -45dBm/1MHz
 $1215\text{MHz} <$: -30dBm/1MHz

*Unt channel 200kHz BW : except "200 + 100 x n kHz" from Cf

*Unt channel 100kHz BW : except "100 + 50 x n kHz" from Cf

6.4.3 Diagram of Test Setup



6.4.4 Measuring Instruments and setting

Frequency band	limit	RBW/VBW	Sweep time	Detector mode
30-710MHz	-36dBm	100kHz	Auto	RMS
710-900MHz	-55dBm	1MHz	Auto	RMS
900-915MHz	-55dBm	100kHz	Auto	RMS
915-930MHz*	-36dBm	100kHz	Auto	RMS
930-1000MHz	-55dBm	100kHz	Auto	RMS
1000-1215MHz	-45dBm	1MHz	Auto	RMS
1215-5000MHz	-30dBm	1MHz	Auto	RMS

*Unt channel 200kHz BW BW: except "200+100kHz" from Cf

6.4.5 Test Procedures

Connect the UUT to the spectrum analyzer and set it up according to clause 6.4.3.

EUT have transmitted the maximum modulation signal and fixed channelize.

Search the peak value and save the data.

6.4.6 Test Deviation

There is no deviation with the original standard.

6.4.7 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

6.4.8 Test Result

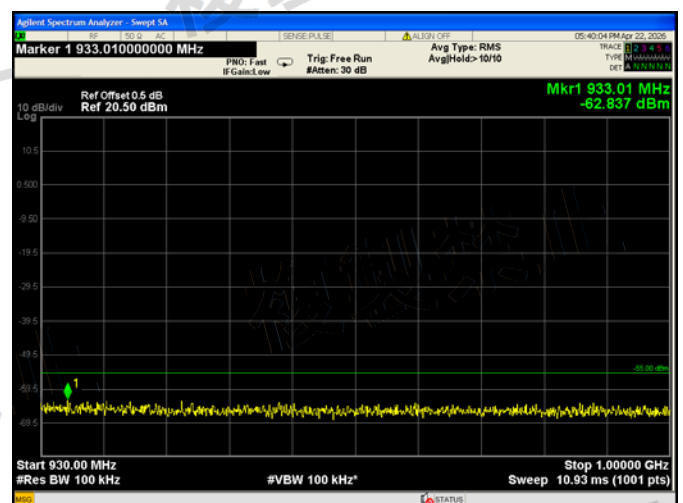
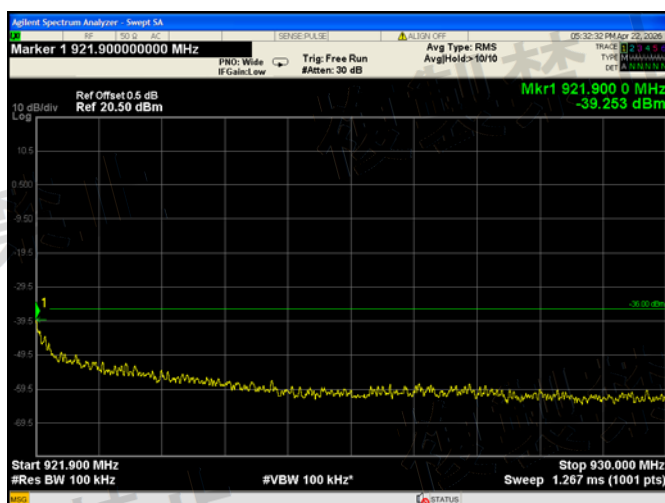
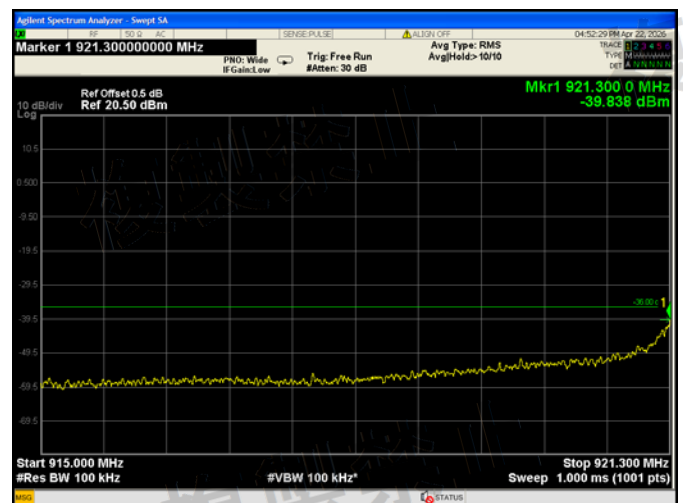
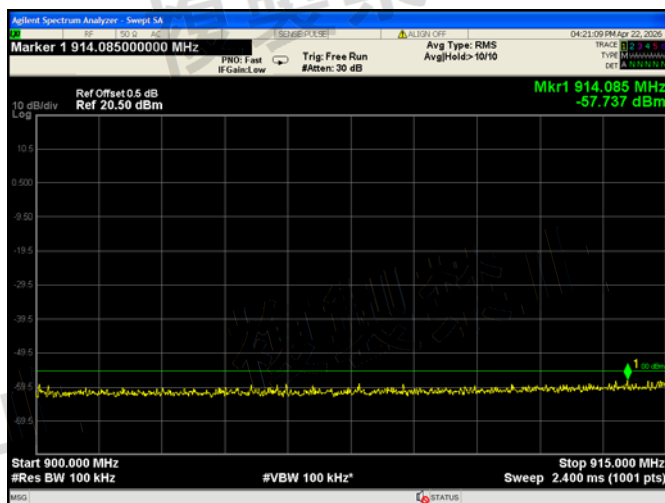
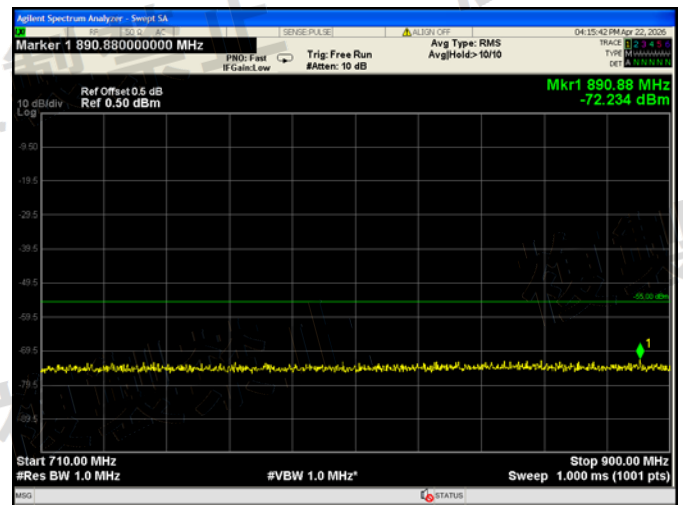
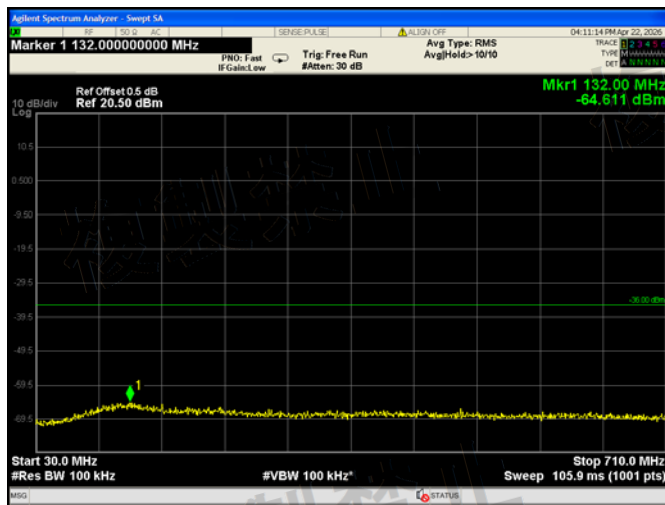
Test Rate (kHz)	Channel (MHz)	Test Mode	Test Result
200	921.6	Transmitting	PASS
	923.0	Transmitting	PASS
	924.6	Transmitting	PASS
400	922.1	Transmitting	PASS
	924.5	Transmitting	PASS

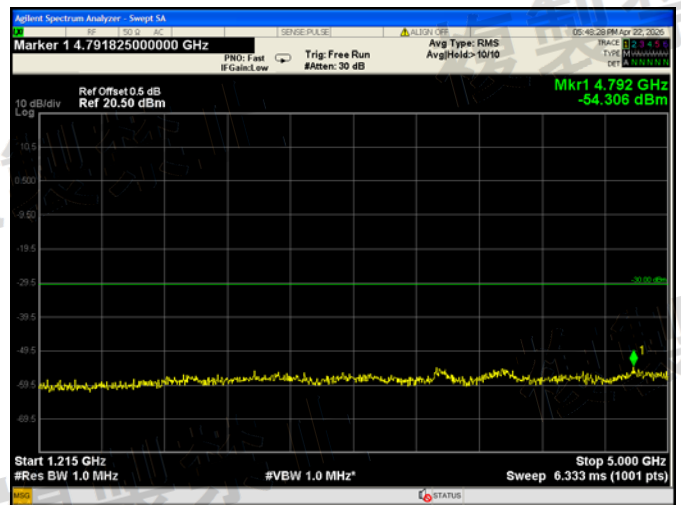
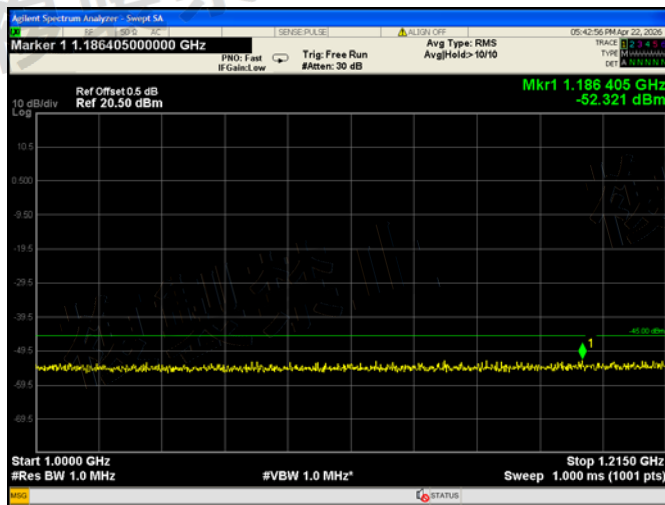
Channel (MHz)	Band (GHz)	Frequency (GHz)	Max Value	Limit
921.6	0.03-0.71	0.13200	-64.611 dBm/100kHz	-36 dBm/100kHz
	0.71-0.9	0.89088	-72.234 dBm/MHz	-55 dBm/MHz
	0.9-0.915	0.914085	-57.737 dBm/100kHz	-55 dBm/100kHz
	0.915-0.9213	0.921300	-39.838 dBm/100kHz	-36 dBm/100kHz
	0.9219-0.930	0.921900	-39.253 dBm/100kHz	-36 dBm/100kHz
	0.93-1	0.93301	-62.837 dBm/100kHz	-55 dBm/100kHz
	1-1.215	1.186405	-52.321 dBm/MHz	-45 dBm/MHz
	1.215-5	4.792	-54.306 dBm/MHz	-30 dBm/MHz
923.0	0.03-0.71	0.12928	-64.880 dBm/100kHz	-36 dBm/100kHz
	0.71-0.9	0.75731	-72.173 dBm/MHz	-55 dBm/MHz
	0.9-0.915	0.915000	-59.393 dBm/100kHz	-55 dBm/100kHz
	0.915-0.9227	0.922700	-42.569 dBm/100kHz	-36 dBm/100kHz
	0.9233-0.930	0.9233067	-38.566 dBm/100kHz	-36 dBm/100kHz
	0.93-1	0.94162	-62.678 dBm/100kHz	-55 dBm/100kHz
	1-1.215	1.161895	-52.318 dBm/MHz	-45 dBm/MHz
	1.215-5	4.016	-54.285 dBm/MHz	-30 dBm/MHz
924.6	0.03-0.71	0.11160	-64.741 dBm/100kHz	-36 dBm/100kHz
	0.71-0.9	0.73451	-72.241 dBm/MHz	-55 dBm/MHz
	0.9-0.915	0.908595	-58.611 dBm/100kHz	-55 dBm/100kHz
	0.915-0.9243	0.924300	-41.188 dBm/100kHz	-36 dBm/100kHz
	0.9249-0.930	0.9249051	-41.833 dBm/100kHz	-36 dBm/100kHz
	0.93-1	0.93623	-62.110 dBm/100kHz	-55 dBm/100kHz
	1-1.215	1.082990	-52.104 dBm/MHz	-45 dBm/MHz
	1.215-5	4.807	-53.909 dBm/MHz	-30 dBm/MHz

Channel (MHz)	Band (GHz)	Frequency (GHz)	Max Value	Limit
922.1	0.03-0.71	0.12044	-72.605 dBm/100kHz	-36 dBm/100kHz
	0.71-0.9	0.83122	-67.978 dBm/MHz	-55 dBm/MHz
	0.9-0.915	0.914130	-58.457 dBm/100kHz	-55 dBm/100kHz
	0.915-0.9217	0.921700	-40.612 dBm/100kHz	-36 dBm/100kHz
	0.9225-0.930	0.922500	-44.271 dBm/100kHz	-36 dBm/100kHz
	0.93-1	0.93819	-62.493 dBm/100kHz	-55 dBm/100kHz
	1-1.215	1.052030	-52.430 dBm/MHz	-45 dBm/MHz
	1.215-5	4.799	-54.747 dBm/MHz	-30 dBm/MHz
924.5	0.03-0.71	0.13744	-64.982 dBm/100kHz	-36 dBm/100kHz
	0.71-0.9	0.84946	-72.391 dBm/MHz	-55 dBm/MHz
	0.9-0.915	0.911640	-62.398 dBm/100kHz	-55 dBm/100kHz
	0.915-0.9241	0.924100	-40.923 dBm/100kHz	-36 dBm/100kHz
	0.9249-0.930	0.9249153	-39.818 dBm/100kHz	-36 dBm/100kHz
	0.93-1	0.93007	-66.023 dBm/100kHz	-55 dBm/100kHz
	1-1.215	1.102555	-52.792 dBm/MHz	-45 dBm/MHz
	1.215-5	4.016	-54.402 dBm/MHz	-30 dBm/MHz

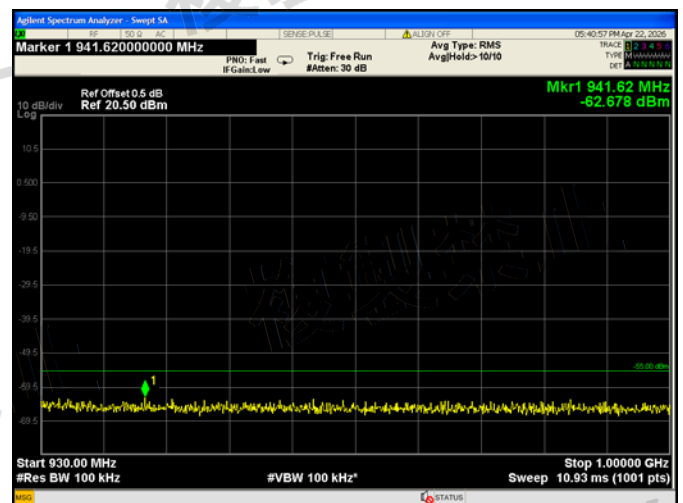
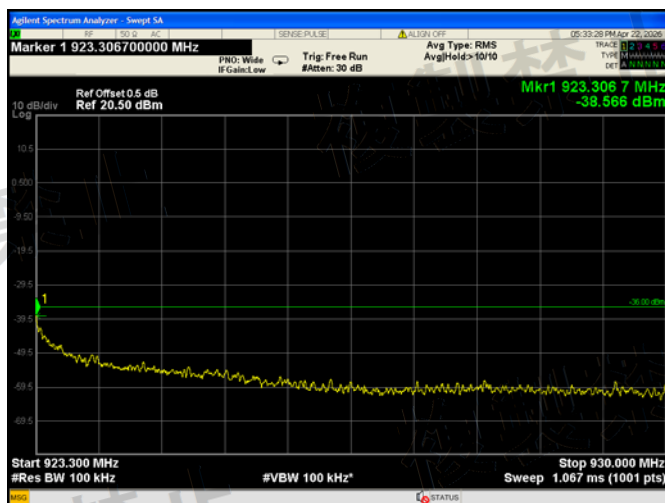
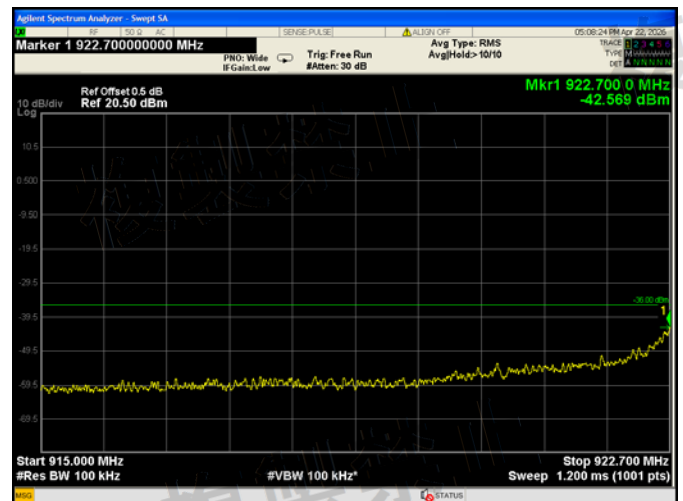
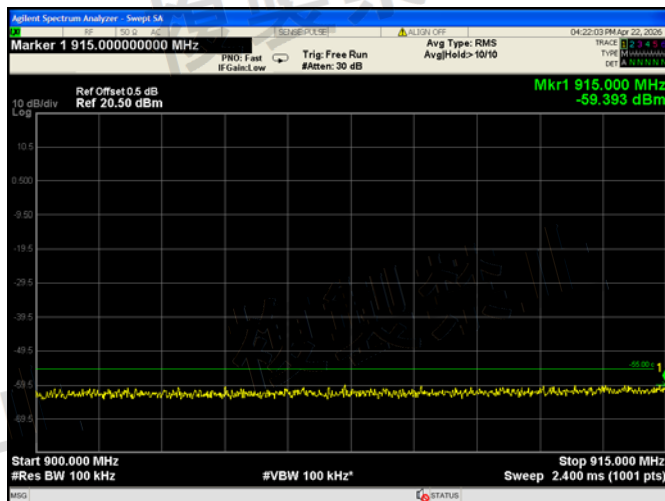
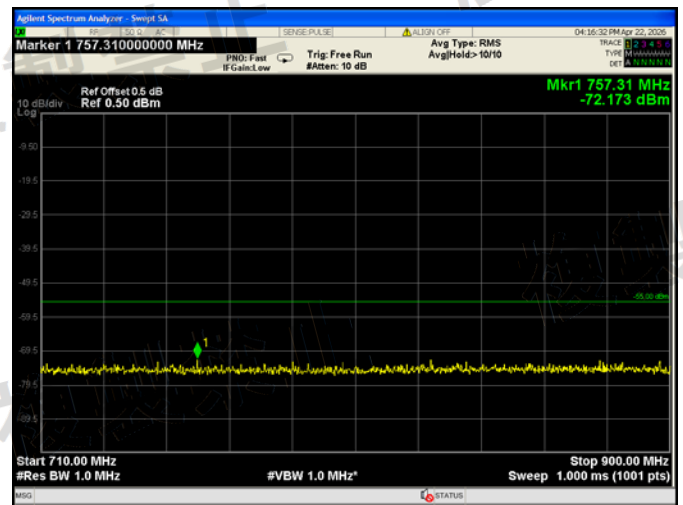
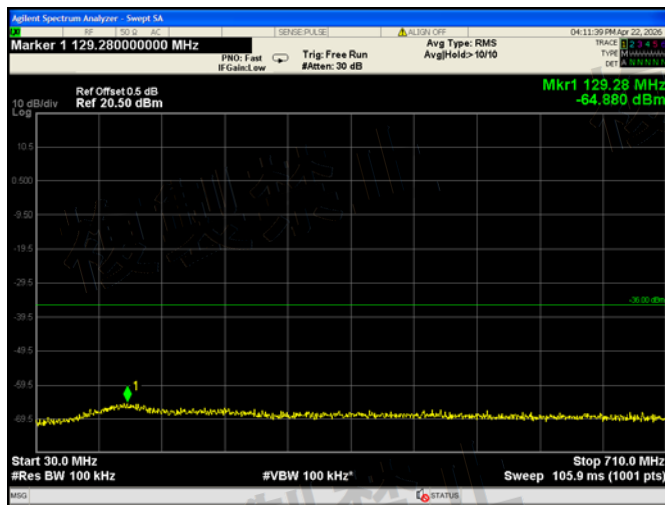
Test plots refer to next page.

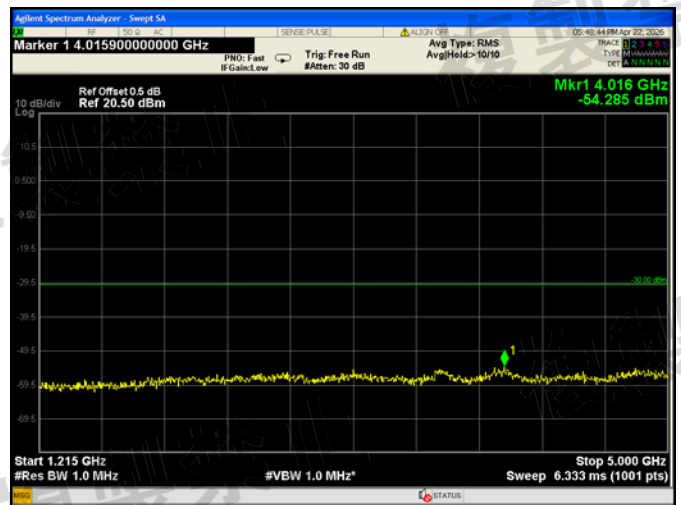
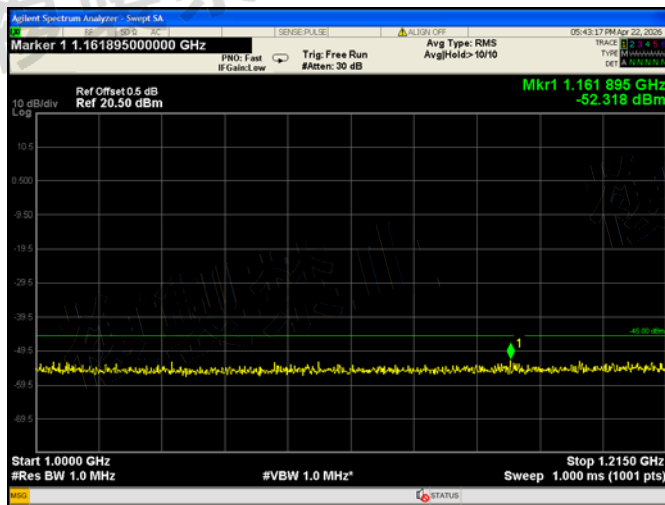
Channel 921.6 MHz



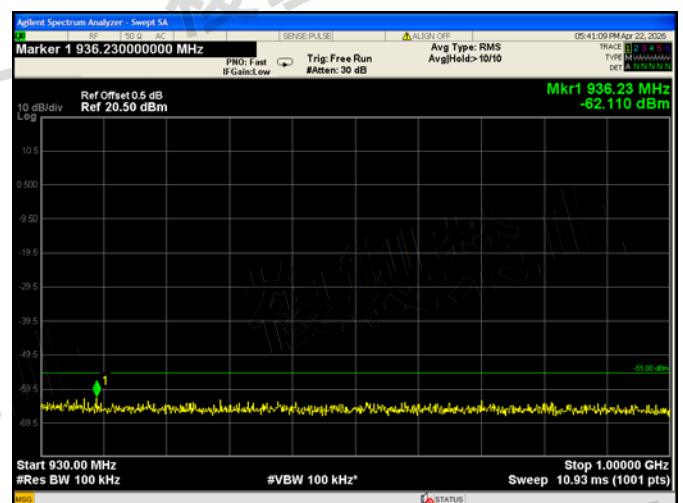
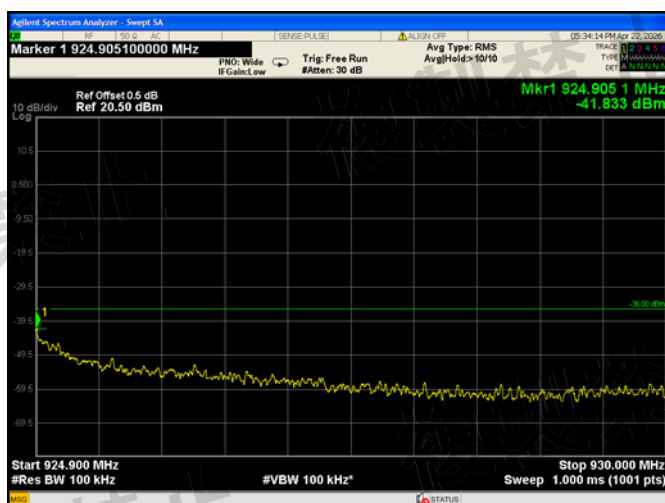
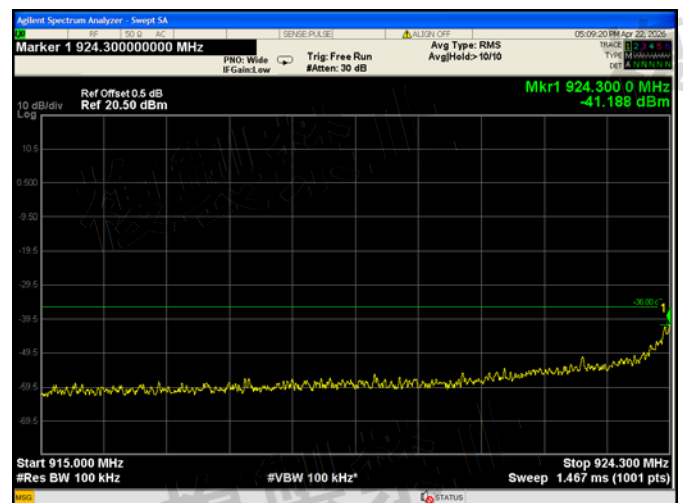
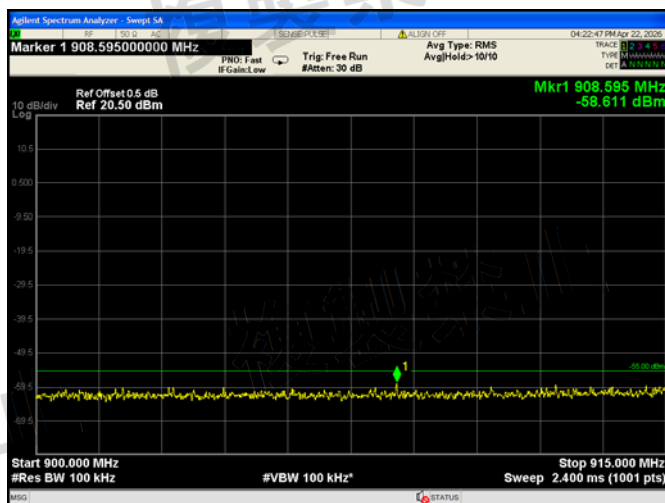
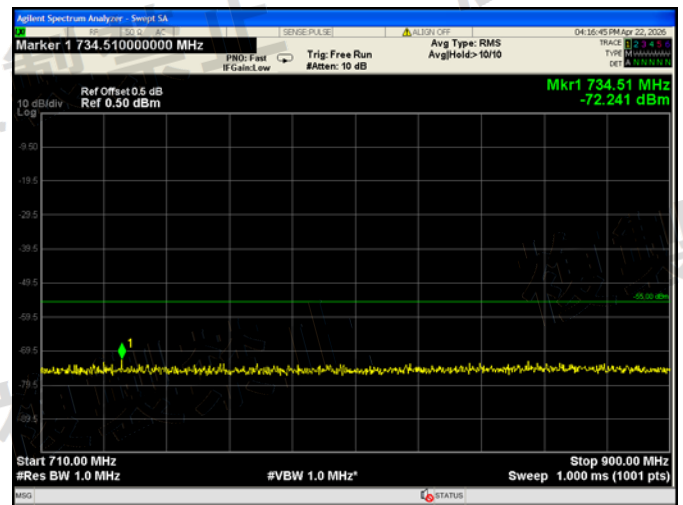
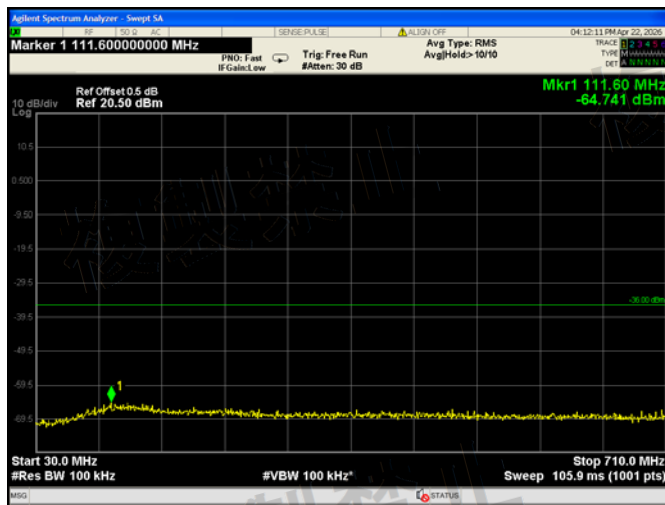


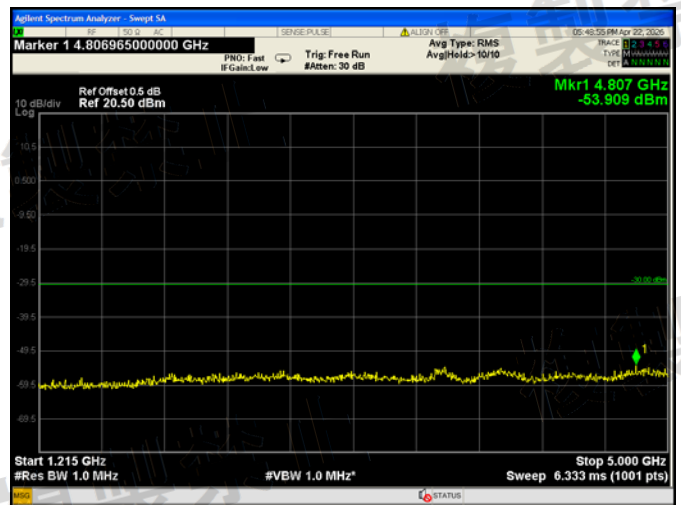
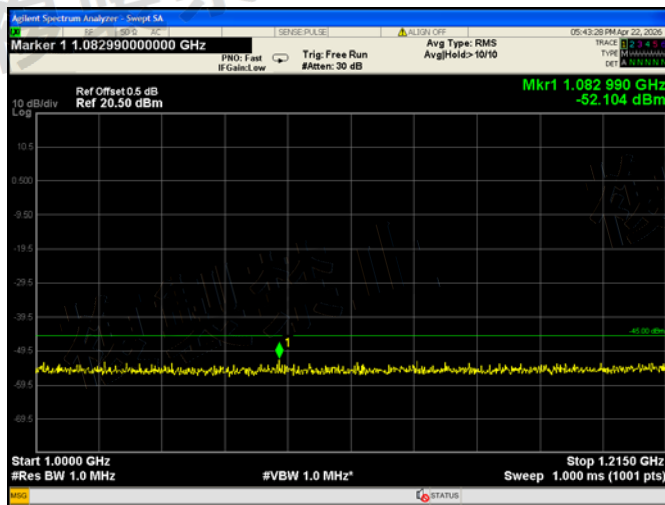
Channel 923.0 MHz



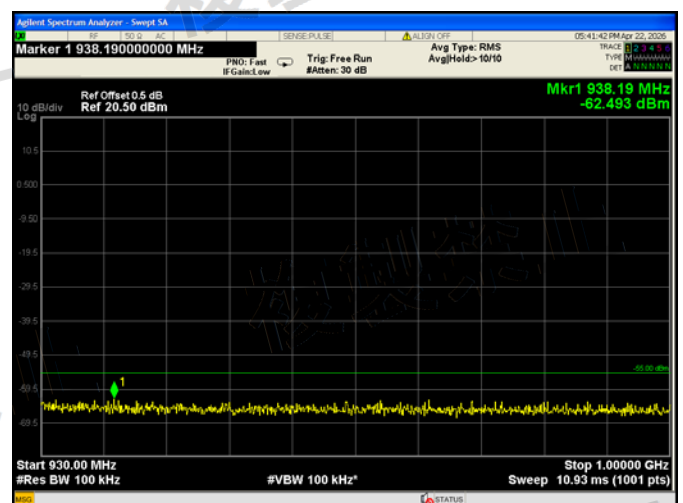
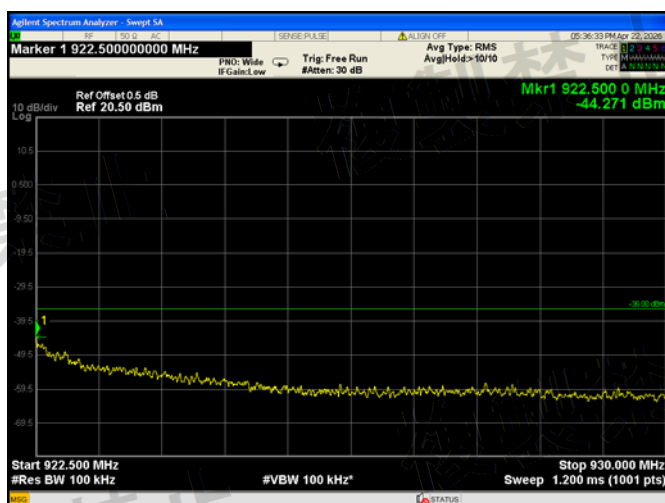
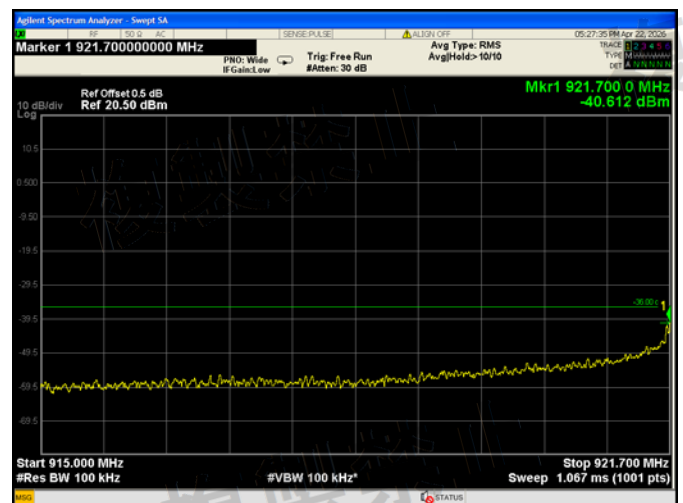
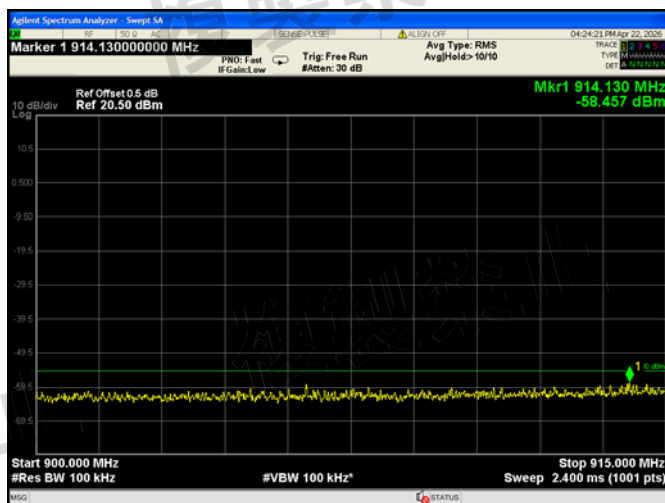
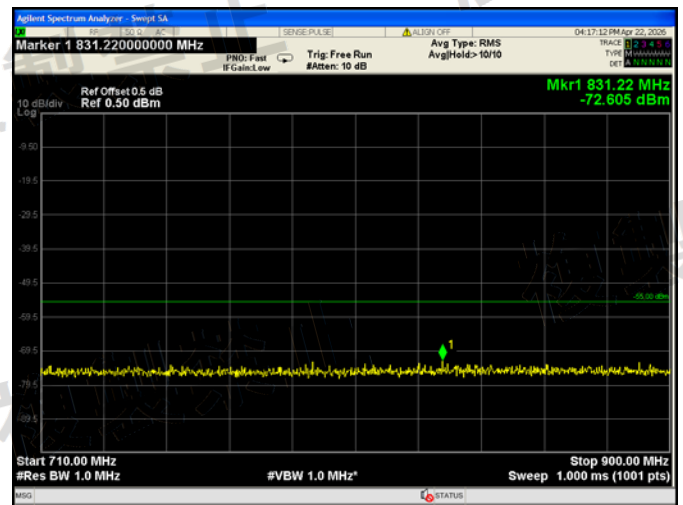
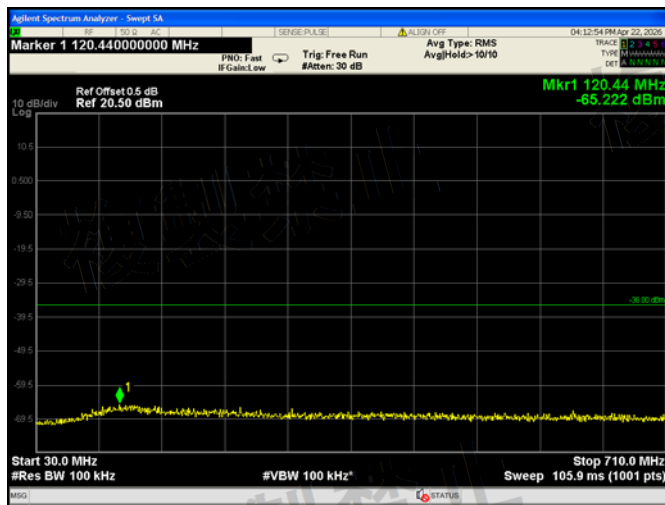


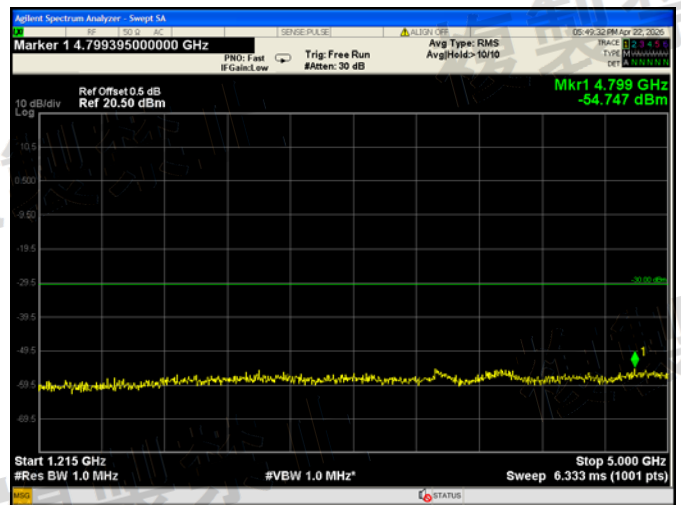
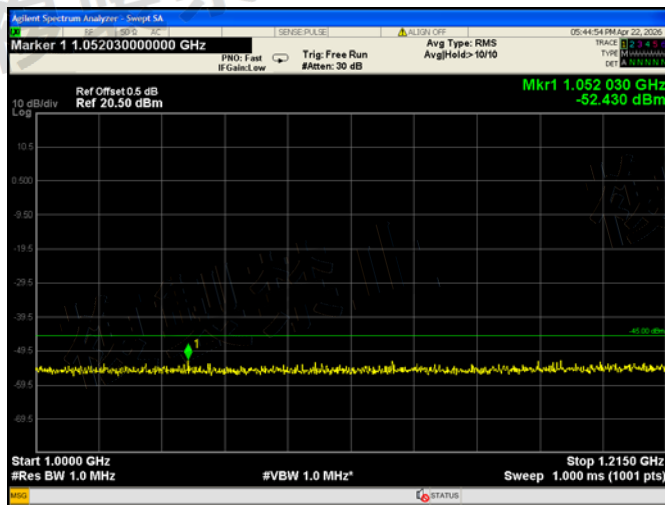
Channel 924.6 MHz



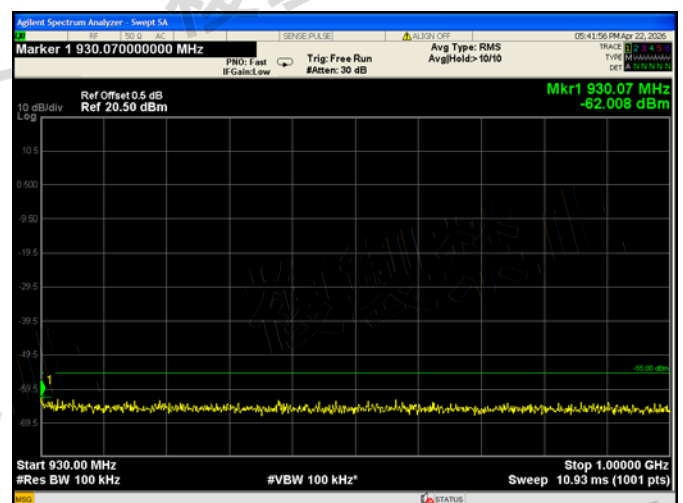
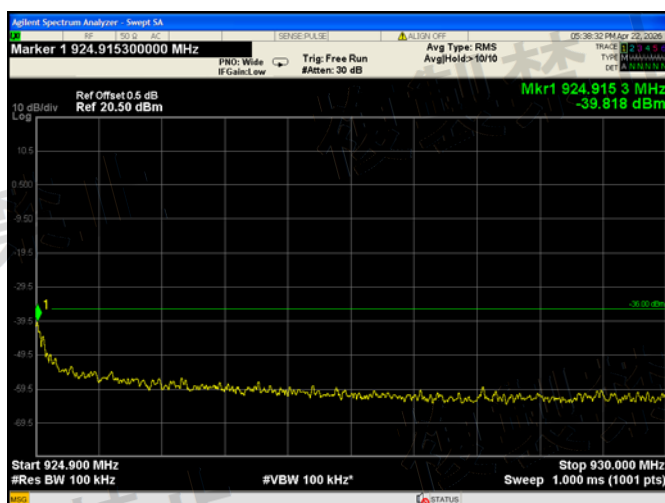
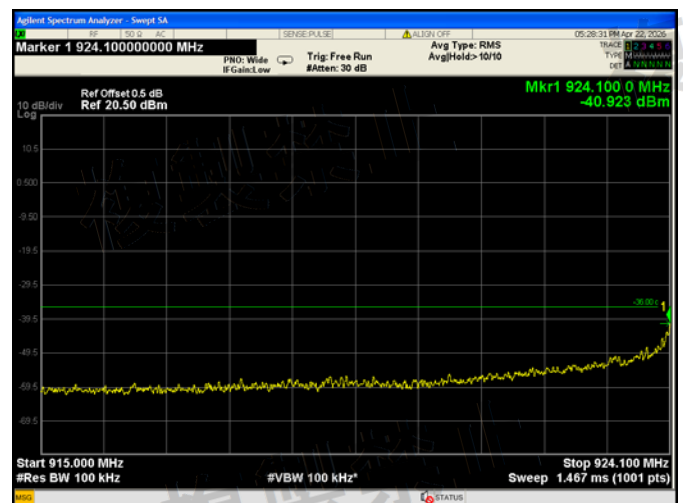
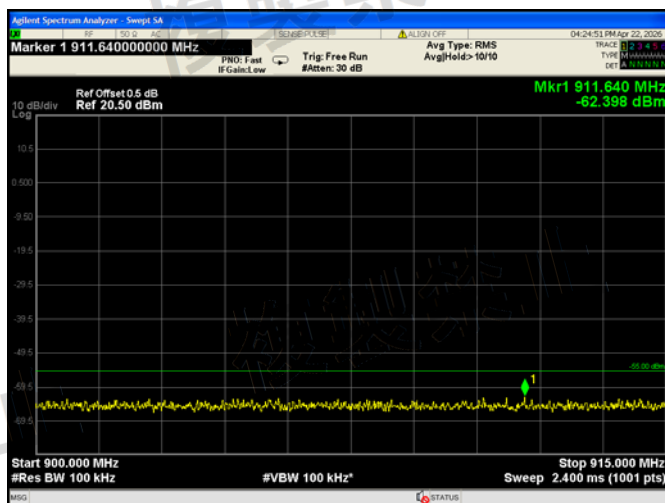
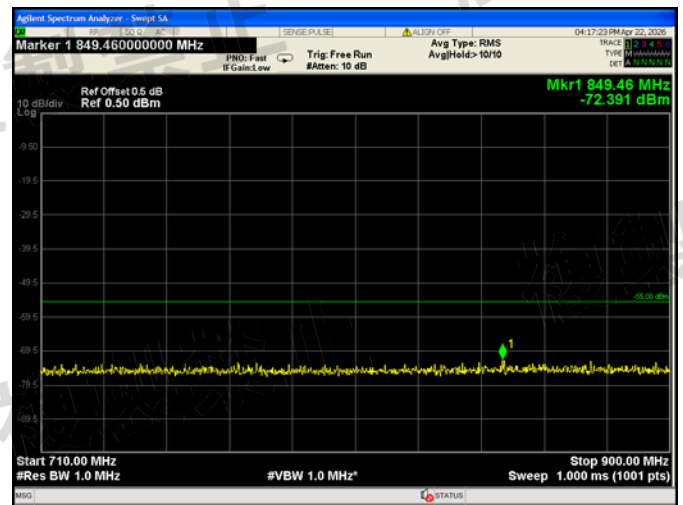
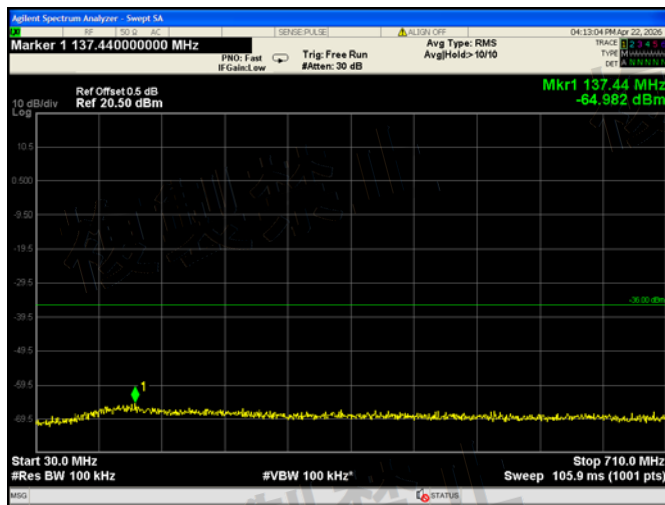


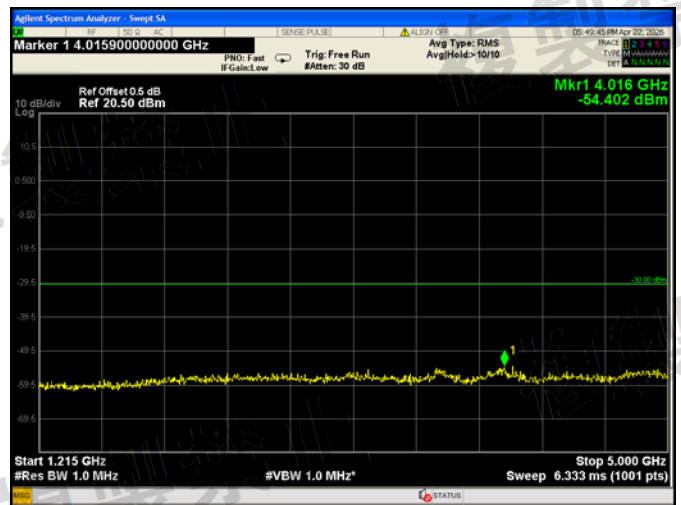
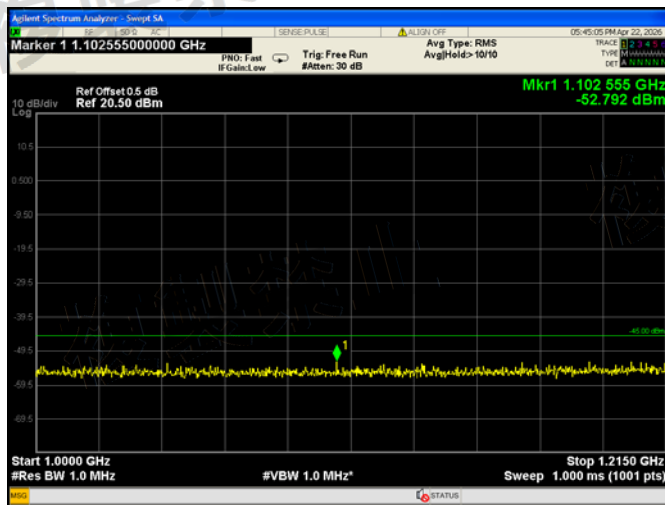
Channel 922.1 MHz





Channel 924.5 MHz





6.5 Secondary Radiated Emissions

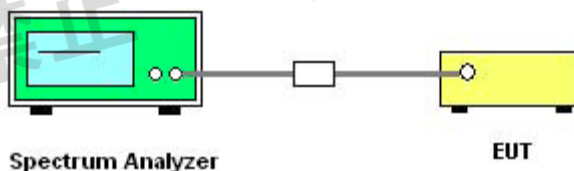
6.5.1 Test Requirement

Radio Law of Japan Item 8 of Article 2 Paragraph 1.

6.5.2 Limit

$\leq 710\text{MHz}$	-54dBm/100kHz
$710\text{MHz} <, \leq 900\text{MHz}$	-55dBm/1MHz
$900\text{MHz} <, \leq 915\text{MHz}$	-55dBm/100kHz
$915\text{MHz} <, \leq 930\text{MHz}$	-54dBm/100kHz
$930\text{MHz} <, \leq 1000\text{MHz}$	-55dBm/100kHz
$1000\text{MHz} <$	-47dBm/1MHz

6.5.3 Diagram of Test Setup



6.5.4 Measuring Instruments and setting

Frequency band	limit	RBW/VBW	Sweep time	Detector mode
30-710MHz	-54dBm	100kHz	Auto	RMS
710-900MHz	-55 dBm	1MHz	Auto	RMS
900-915MHz	-55 dBm	100kHz	Auto	RMS
915-930MHz	-54dBm	100kHz	Auto	RMS
930-1000MHz	-55 dBm	100kHz	Auto	RMS
1000-5000 MHz	-47 dBm	1MHz	Auto	RMS

6.5.5 Test Procedures

Connect the UUT to the spectrum analyzer and set it up according to clause 6.5.3.

EUT has the continuous receiving mode and fixed only one channelize.

Search the peak value and save the data.

6.5.6 Test Deviation

There is no deviation with the original standard.

6.5.7 EUT Operation during Test

The EUT was programmed to be in receiving mode.

6.5.8 Test Result

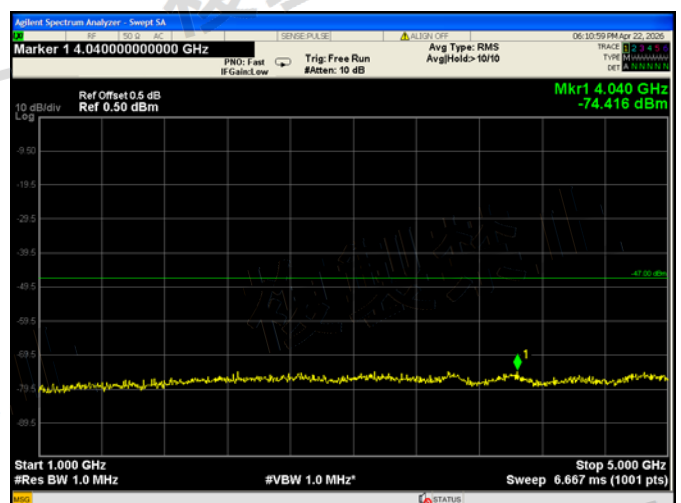
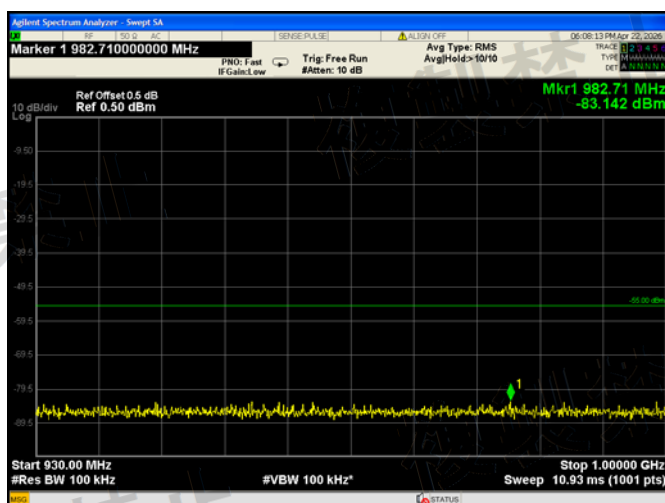
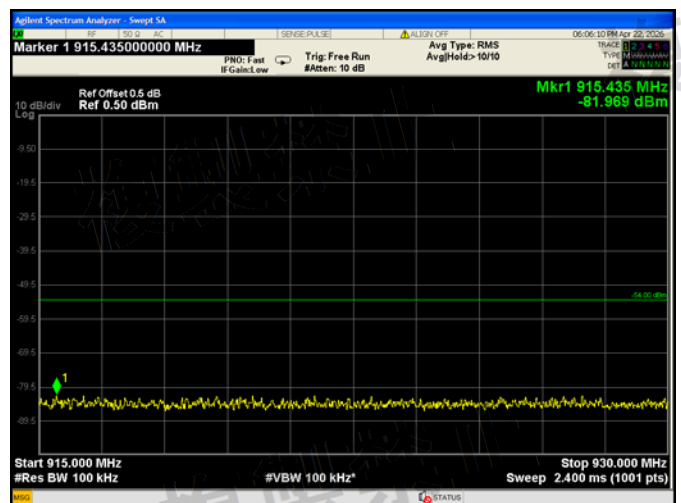
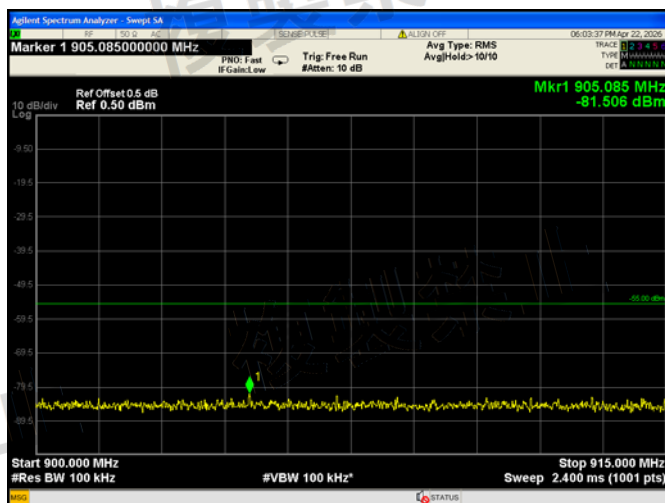
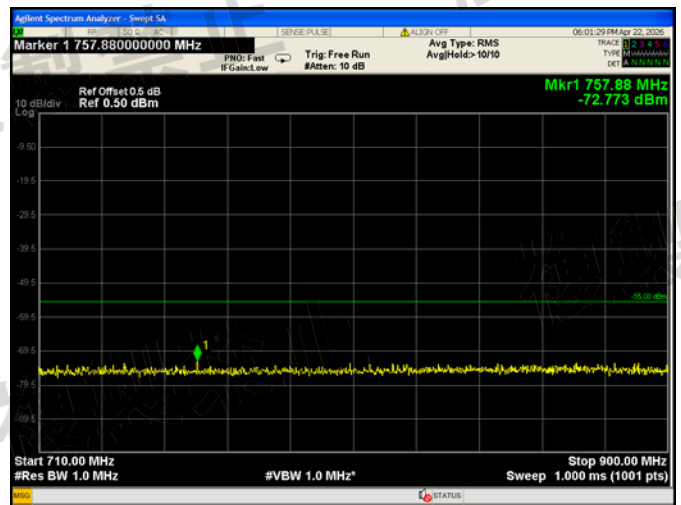
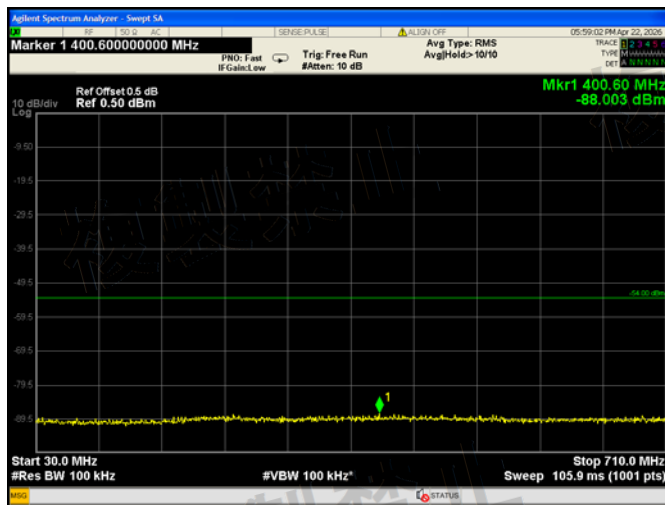
Test Rate (kHz)	Channel (MHz)	Test Mode	Test Result
200	921.6	Transmitting	PASS
	923.0	Transmitting	PASS
	924.6	Transmitting	PASS
400	922.1	Transmitting	PASS
	924.5	Transmitting	PASS

Channel (MHz)	Band (GHz)	Frequency (GHz)	Max Value	Limit
921.6	0.03-0.71	0.40060	-88.003 dBm/100kHz	-54 dBm/100kHz
	0.71-0.9	0.75788	-72.773 dBm/MHz	-55 dBm/MHz
	0.9-0.915	0.905085	-81.506 dBm/100kHz	-55 dBm/100kHz
	0.915-0.93	0.915435	-81.969 dBm/100kHz	-54 dBm/100kHz
	0.93-1	0.98271	-83.142 dBm/100kHz	-55 dBm/100kHz
	1-5	4.040	-74.416 dBm/MHz	-47 dBm/MHz
923.0	0.03-0.71	0.30948	-88.331 dBm/100kHz	-54 dBm/100kHz
	0.71-0.9	0.89278	-73.046 dBm/MHz	-55 dBm/MHz
	0.9-0.915	0.911955	-82.580 dBm/100kHz	-55 dBm/100kHz
	0.915-0.93	0.927780	-81.531 dBm/100kHz	-54 dBm/100kHz
	0.93-1	0.98530	-83.656 dBm/100kHz	-55 dBm/100kHz
	1-5	3.504	-74.797 dBm/MHz	-47 dBm/MHz
924.6	0.03-0.71	0.41352	-88.412 dBm/100kHz	-54 dBm/100kHz
	0.71-0.9	0.79113	-72.614 dBm/MHz	-55 dBm/MHz
	0.9-0.915	0.909840	-82.395 dBm/100kHz	-55 dBm/100kHz
	0.915-0.93	0.920700	-80.781 dBm/100kHz	-54 dBm/100kHz
	0.93-1	0.94113	-83.393 dBm/100kHz	-55 dBm/100kHz
	1-5	3.984	-74.644 dBm/MHz	-47 dBm/MHz

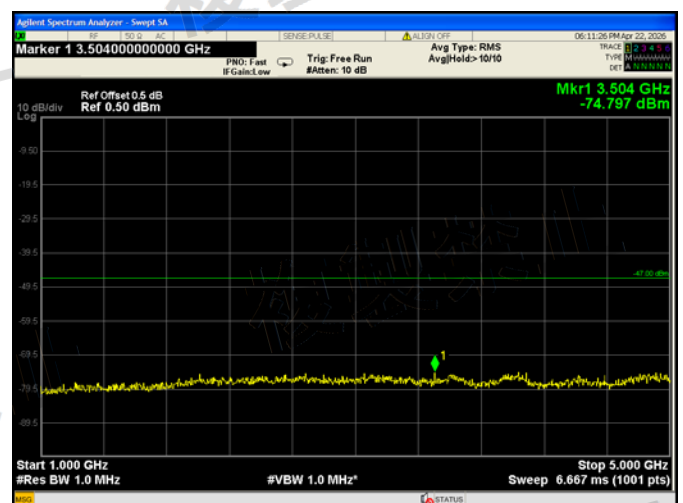
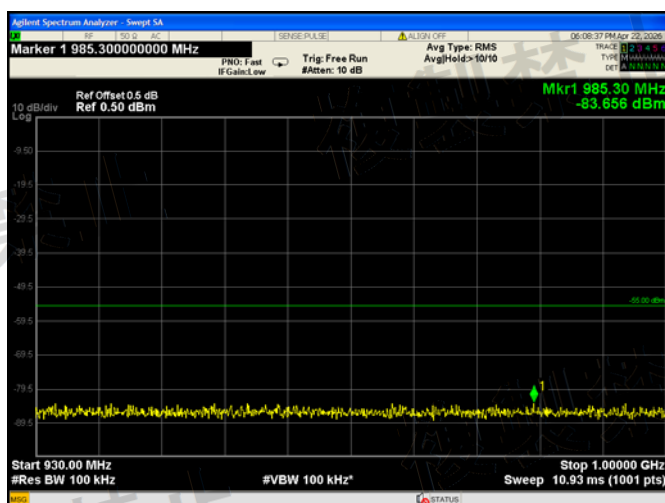
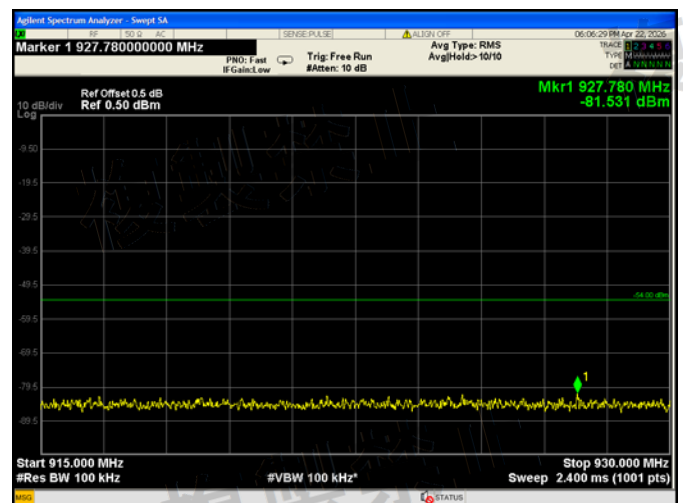
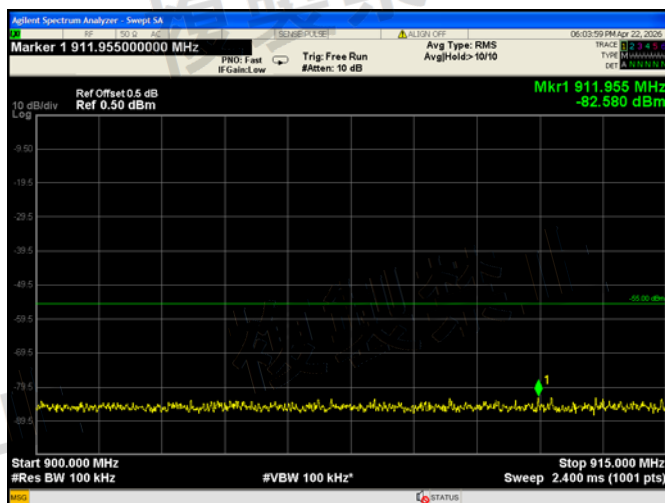
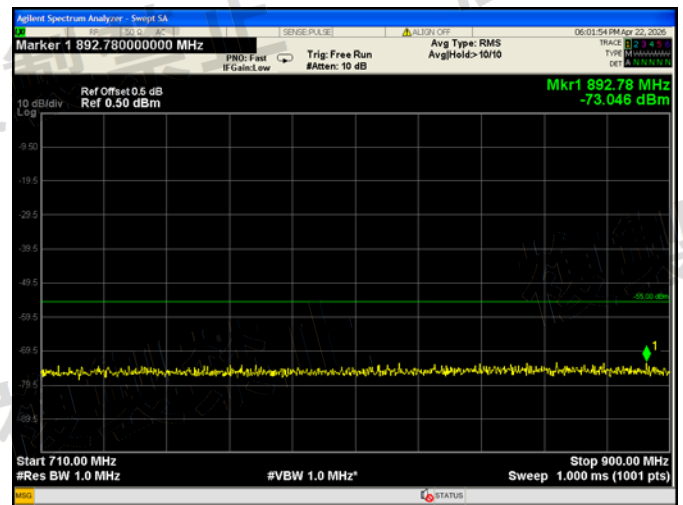
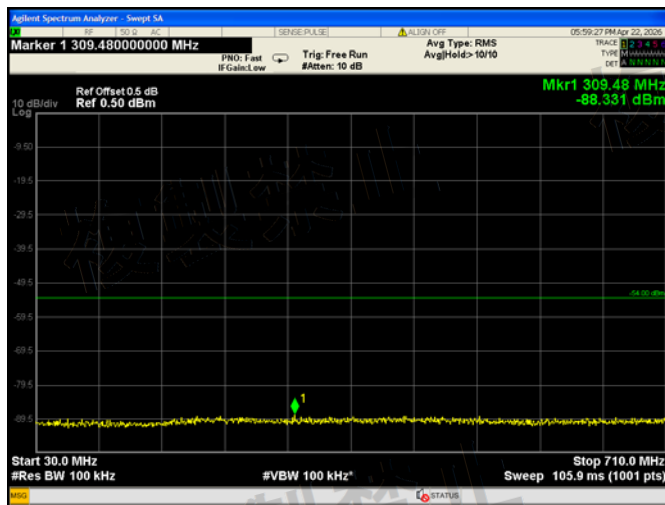
Channel (MHz)	Band (GHz)	Frequency (GHz)	Max Value	Limit
922.1	0.03-0.71	0.46996	-87.934 dBm/100kHz	-54 dBm/100kHz
	0.71-0.9	0.86428	-72.805 dBm/MHz	-55 dBm/MHz
	0.9-0.915	0.901995	-81.848 dBm/100kHz	-55 dBm/100kHz
	0.915-0.93	0.923490	-81.639 dBm/100kHz	-54 dBm/100kHz
	0.93-1	0.94694	-82.629 dBm/100kHz	-55 dBm/100kHz
	1-5	3.088	-73.885 dBm/MHz	-47 dBm/MHz
924.5	0.03-0.71	0.50736	-88.171 dBm/100kHz	-54 dBm/100kHz
	0.71-0.9	0.88594	-73.015 dBm/MHz	-55 dBm/MHz
	0.9-0.915	0.913410	-82.126 dBm/100kHz	-55 dBm/100kHz
	0.915-0.93	0.919290	-81.589 dBm/100kHz	-54 dBm/100kHz
	0.93-1	0.97186	-82.763 dBm/100kHz	-55 dBm/100kHz
	1-5	4.012	-73.636 dBm/MHz	-47 dBm/MHz

Test plots refer to next page.

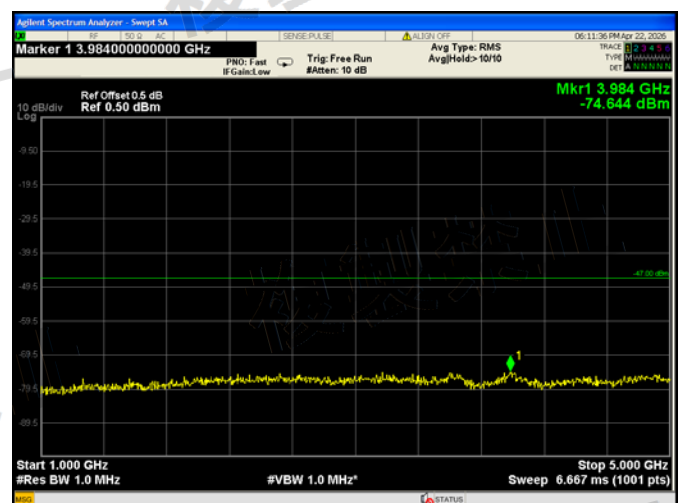
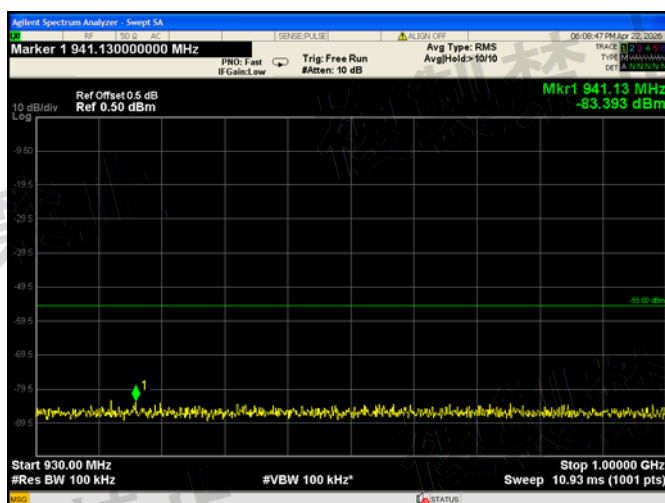
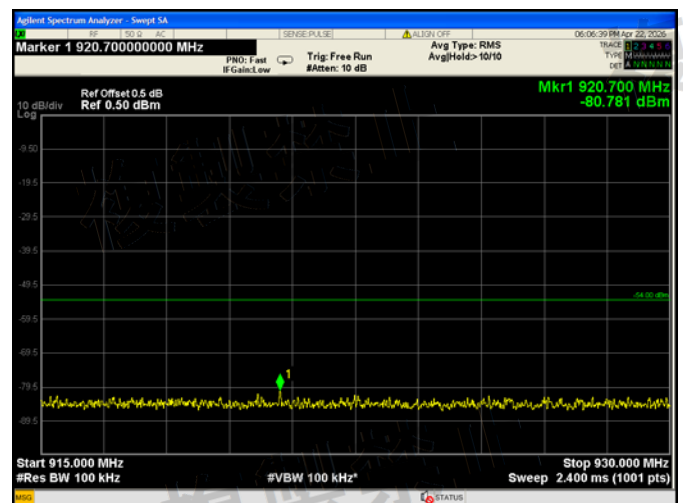
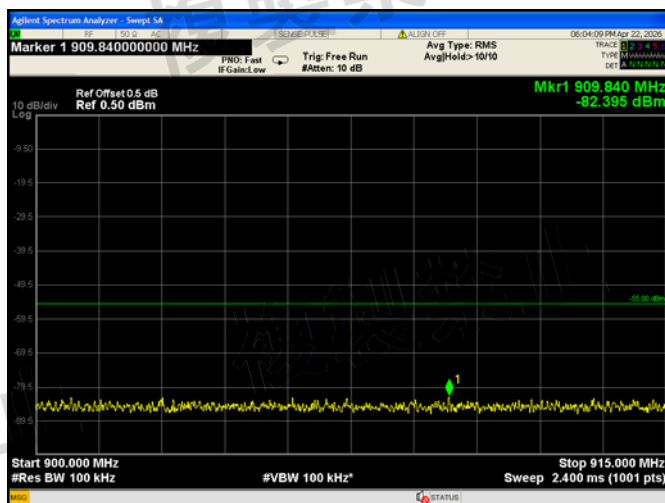
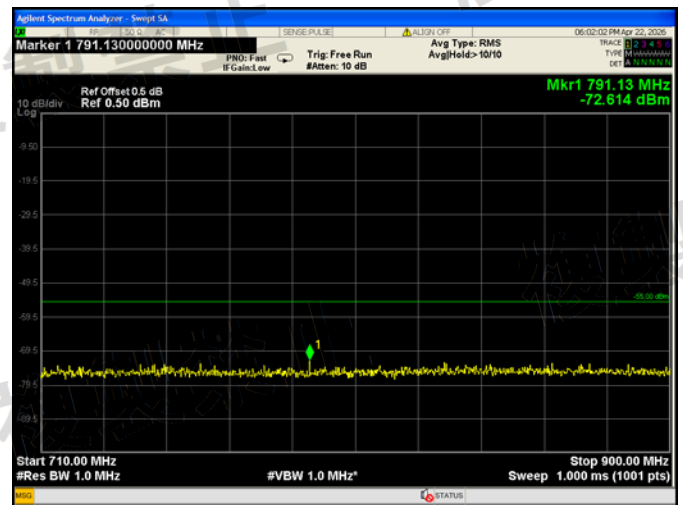
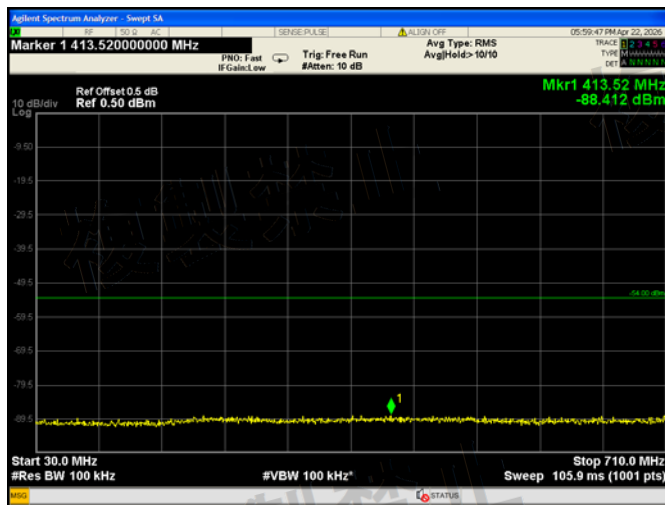
Channel 921.6 MHz



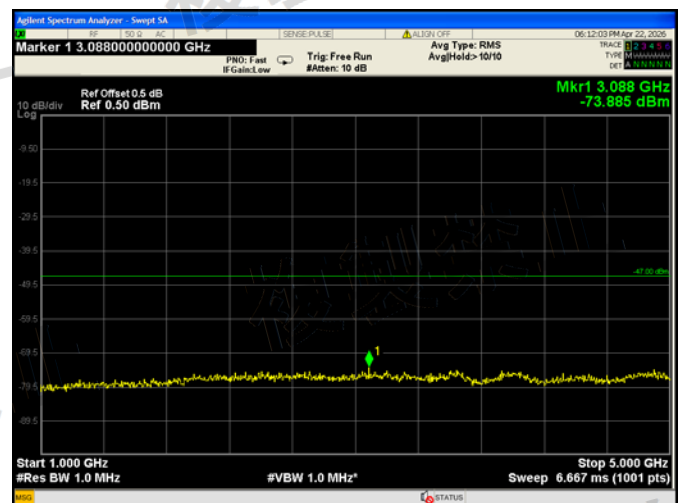
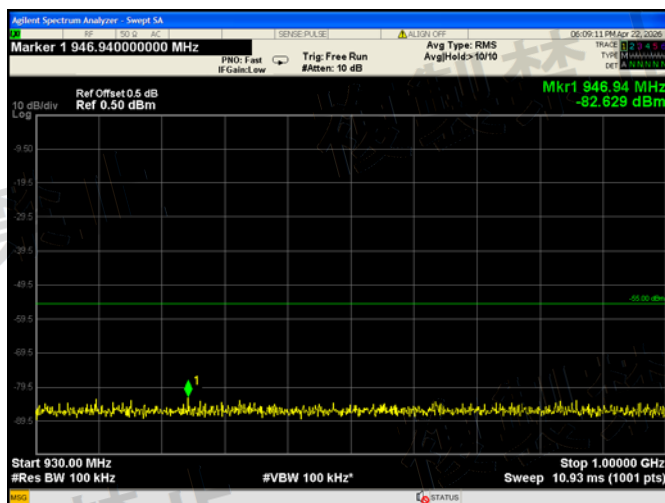
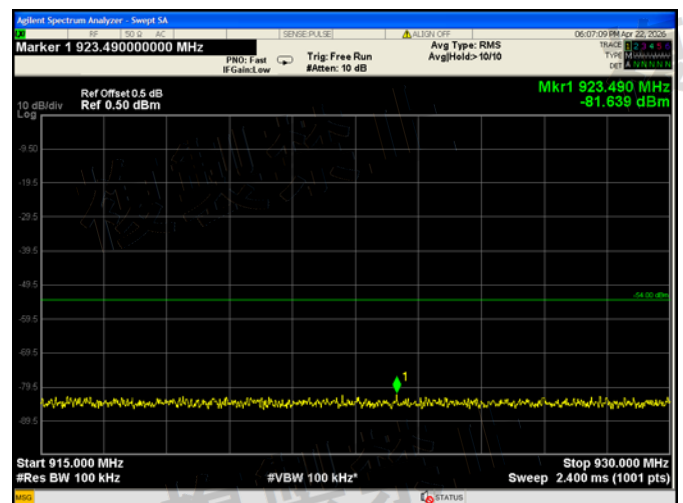
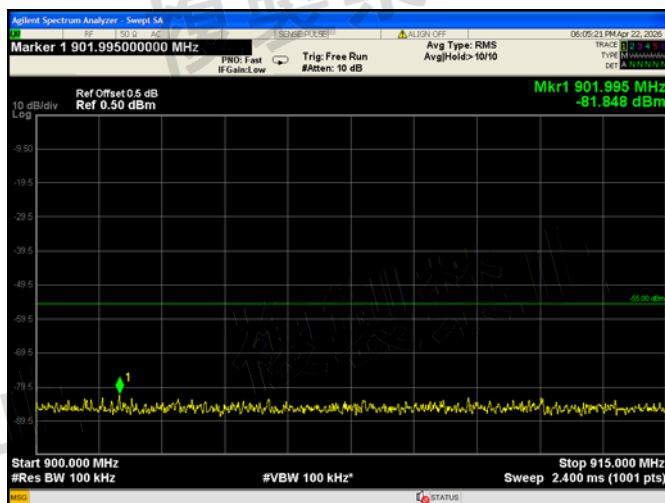
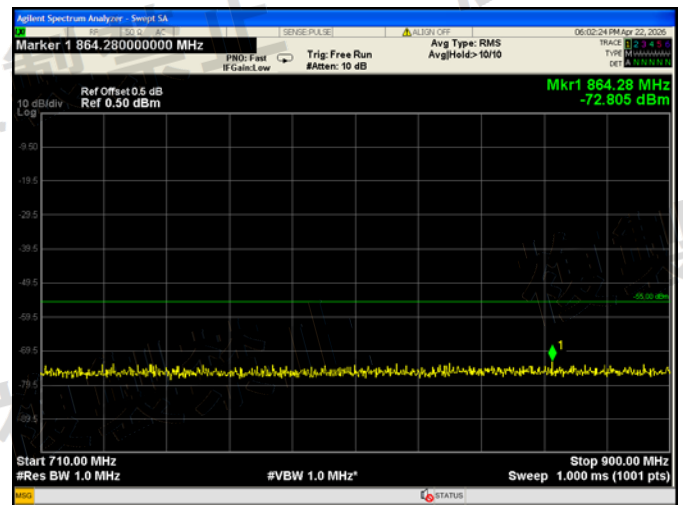
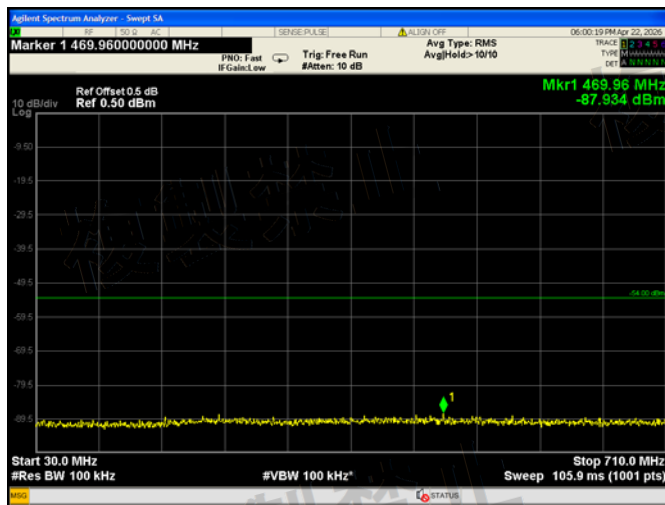
Channel 923.0 MHz



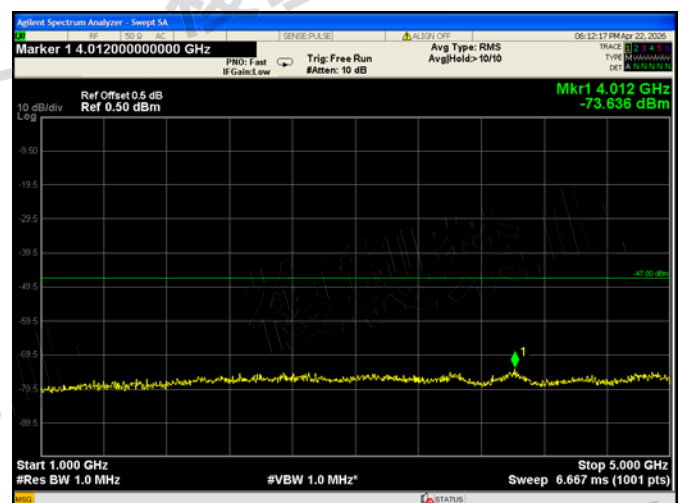
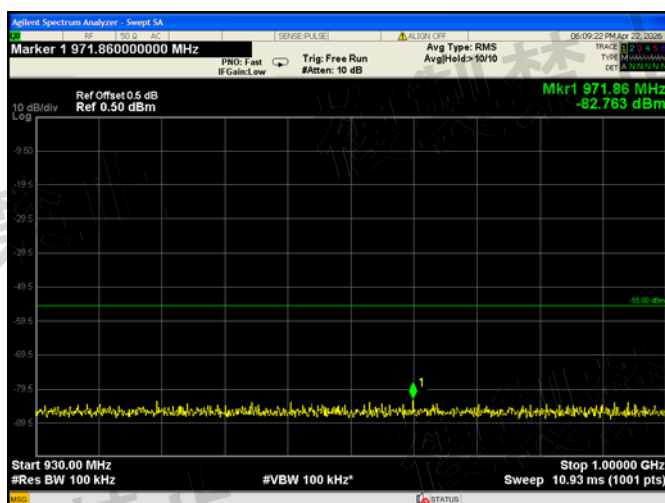
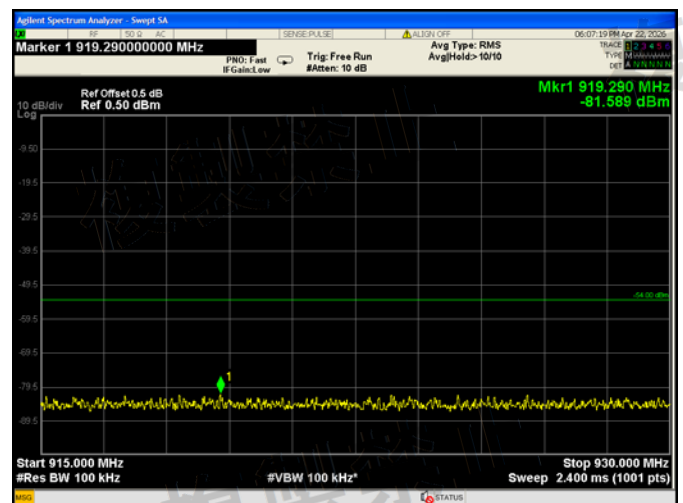
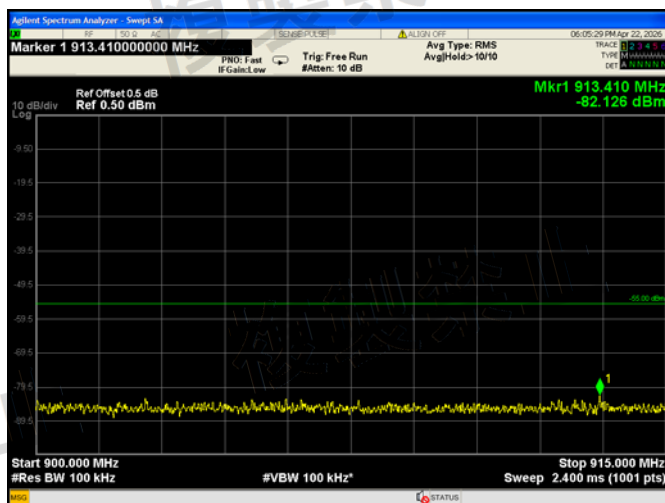
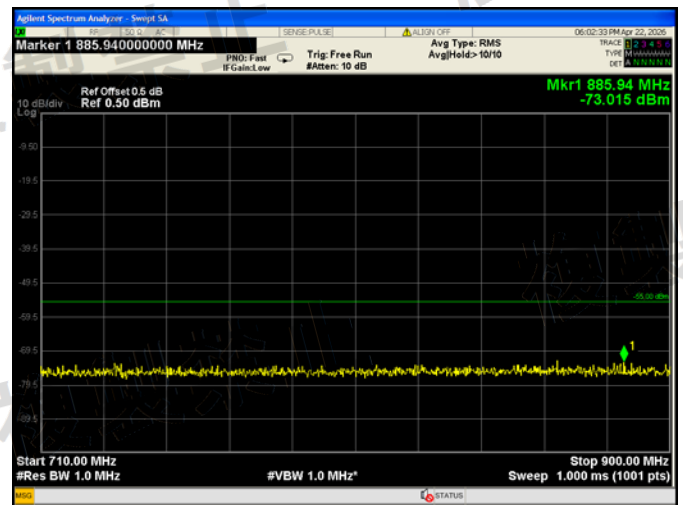
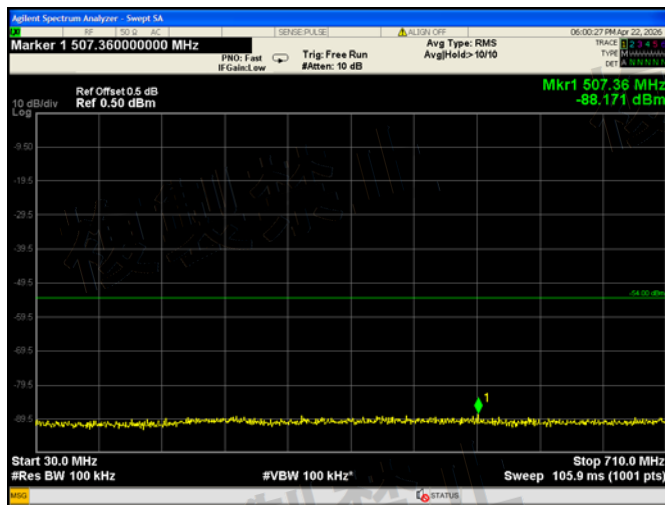
Channel 924.6 MHz



Channel 922.1 MHz



Channel 924.5 MHz



6.6 Adjacent channel leakage power

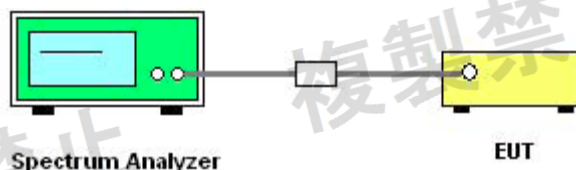
6.6.1 Test Requirement

Radio Law of Japan Item 8 of Article 2 Paragraph 1.

6.6.2 Limit

-15dBm or less

6.6.3 Diagram of Test Setup



6.6.4 Measuring Instruments and setting

Spectrum Parameter	Setting
Center frequency	Test channel
RBW/VBW	30kHz/30kHz
Span	3MHz
Sweep time	Auto
Detector mode	RMS

6.6.5 Test Procedures

Connect the UUT to the spectrum analyzer and set it up according to clause 6.6.3.

EUT have transmitted the maximum modulation signal and fixed channelize.

Save the data after it becomes stable.

6.6.6 Test Deviation

There is no deviation with the original standard.

6.6.7 EUT Operation during Test

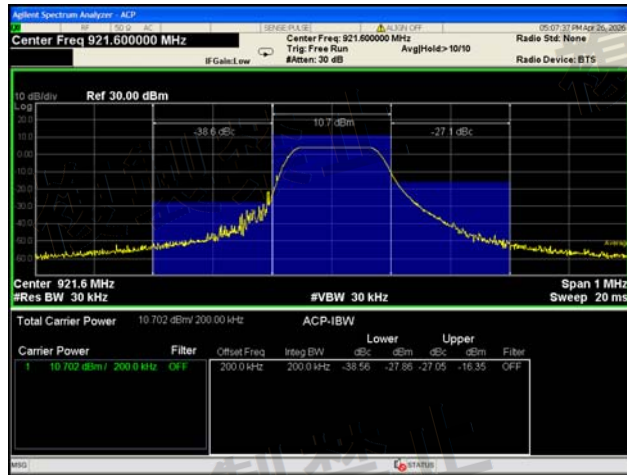
EUT has the continuous transmit mode and fixed only one channelize.

6.6.8 Test Result

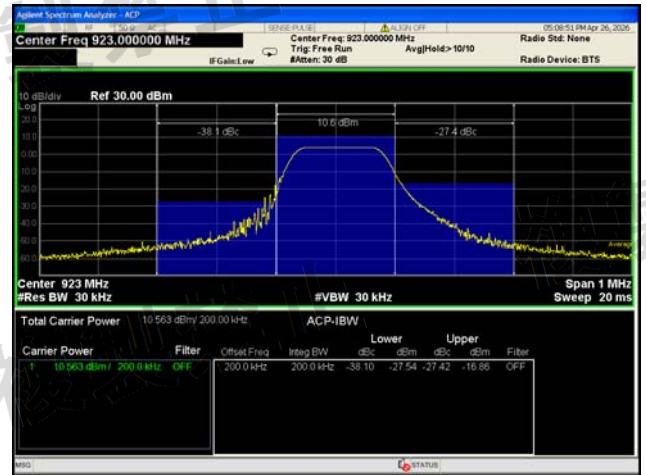
Test Rate (kHz)	Channel (MHz)	Reading (dBm)		Limit(dBm)	Test Result
		Lower	Upper		
200	921.6	-27.86	-16.35	-15	PASS
	923.0	-27.54	-16.86		PASS
	924.6	-27.38	-16.98		PASS
400	922.1	-26.74	-25.42		PASS
	924.5	-29.77	-25.91		PASS

Test plots refer to next page.

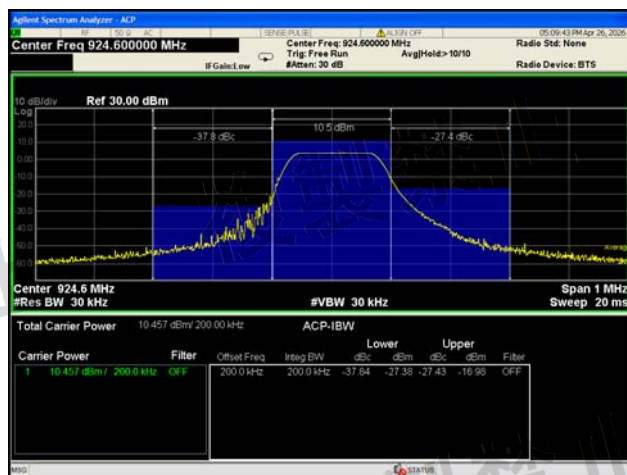
Channel 921.6 MHz



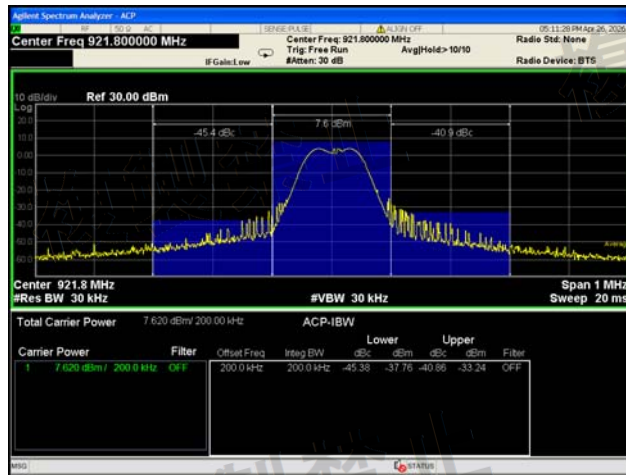
Channel 923.0 MHz



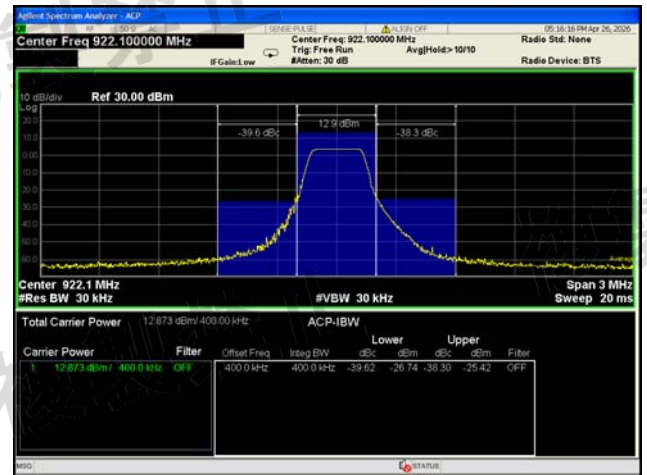
Channel 924.6MHz



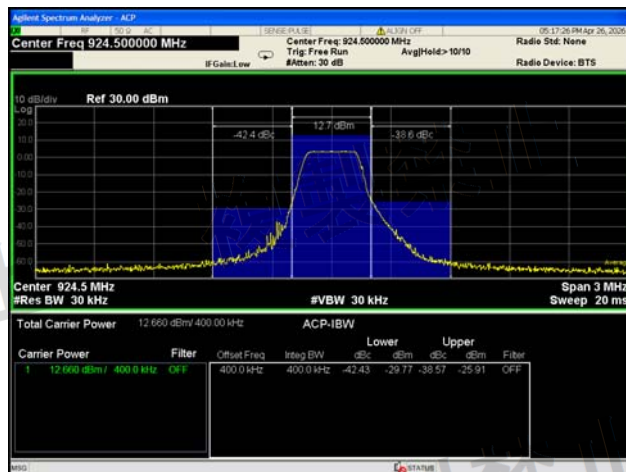
Channel 921.8 MHz



Channel 922.1 MHz



Channel 924.5 MHz



6.7 Transmission Time Restriction

6.7.1 Test Requirement

Radio Law of Japan Item 8 of Article 2 Paragraph 1.

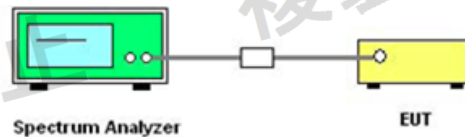
6.7.2 Limit

Transmission time: within 0.4 sec.

Total transmission time: within 360sec/hour or less

Pause time: over 0.002 sec.

6.7.3 Diagram of Test Setup



6.7.4 Measuring Instruments and setting

Spectrum Parameter	Setting
Center frequency	Test channel
RBW/VBW	1MHz/1MHz
Span	0Hz
Sweep time	3s
Detector mode	Positive peak

6.7.5 Test Procedures

Connect the UUT to the spectrum analyzer and set it up according to clause 6.7.3.

EUT have transmitted the maximum modulation signal and fixed channelize.

Mark and save the data.

6.7.6 Test Deviation

There is no deviation with the original standard.

6.7.7 EUT Operation during Test

EUT has the continuous transmit mode and fixed only one channelize.

6.7.8 Test Result

Test Rate (kHz)	Test channel (MHz)	Transmission time		Pause time		Total transmission time		Result
		Reading (s)	Limit (s)	Reading (s)	Limit (s)	Calculated (s)	Limit	
200	921.6	0.08	<0.4	2.040	>0.002	135.8	<360sec/h	Pass
	923	0.10		2.020		169.8		Pass
	924.6	0.10		2.020		169.8		Pass
400	922.1	0.04		2.080		67.9		Pass
	924.5	0.06		2.060		101.9		Pass

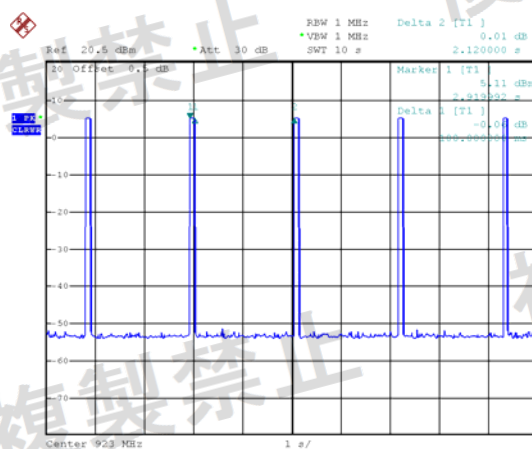
Note:

Total transmission time/hour= Transmission time*3600/ period

Pause time = Period - Transmission time

Test plots refer to next page.

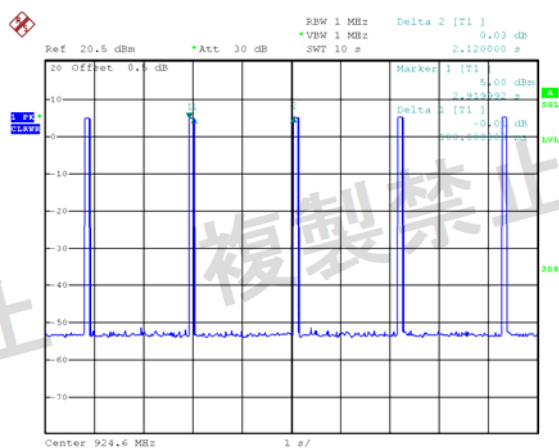
Channel 923.0 MHz



Date: 7.MAY.2026 16:17:22

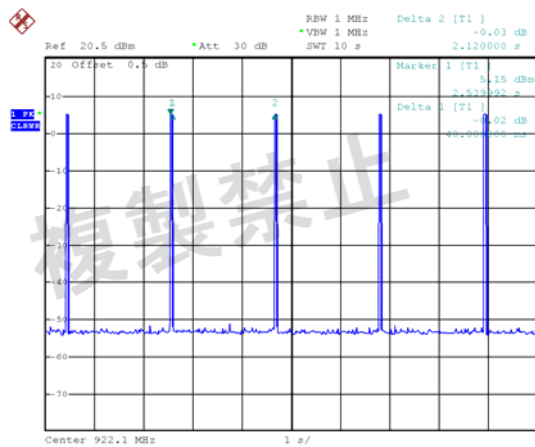
Date: 7.MAY.2026 16:22:46

Channel 924.6MHz

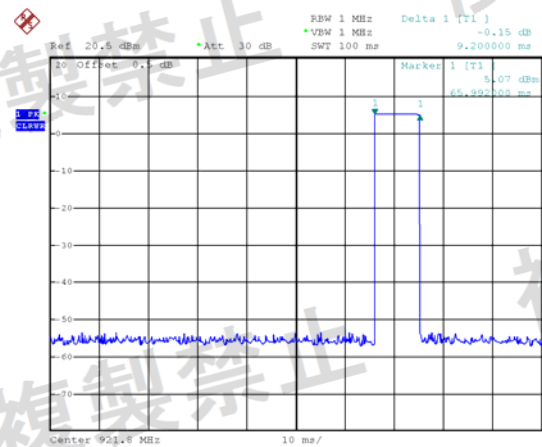


Date: 7.MAY.2026 16:28:07

Channel 922.1 MHz

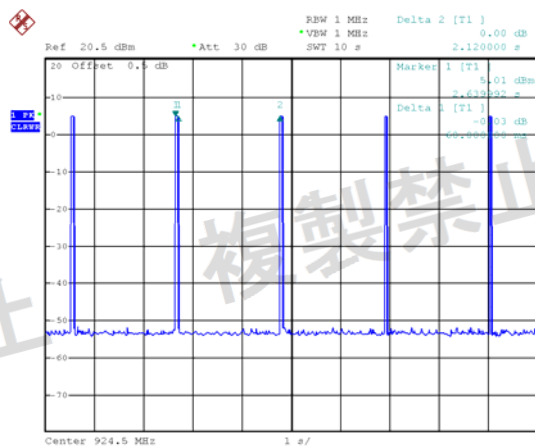


Date: 7.MAY.2026 16:30:58



Date: 7.MAY.2026 16:44:49

Channel 924.5MHz



Date: 7.MAY.2026 16:34:13

6.8 Carrier Sensing Function

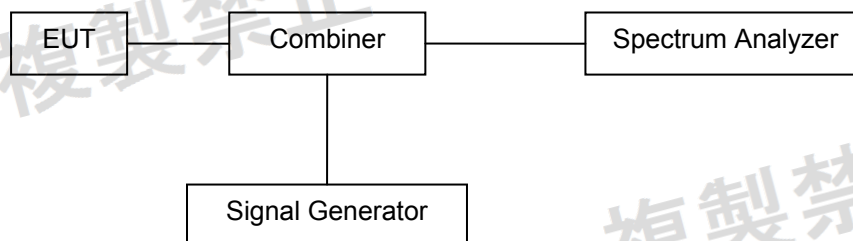
6.8.1 Test Requirement

Radio Law of Japan Item 8 of Article 2 Paragraph 1.

6.8.2 Limit

Judgment Time	Feeder input point	Receive bandwidth
128 μ s or more	Antenna power "20mW or less": -80dBm Antenna power "more than 20mW": -80dBm – (Antenna power – 20mW)	200 x n kHz

6.8.3 Diagram of Test Setup



6.8.4 Measuring Instruments and setting

Spectrum Parameter	Setting
Center frequency	Test channel
RBW/VBW	100kHz/100kHz
Span	300kHz
Trigger	Free run
Detector mode	Positive peak

6.8.5 Test Procedures

1. Connect the EUT and the measuring equipment.
2. SG adjusted the frequency as same as the EUT receiving channel and emitted the absence of modulation from SG and power level is above 7 μ V.
3. EUT have transmitted the maximum modulation signal and fixed channelize.
4. Set up the spectrum analyzer in accordance with clause 6.8.4
5. SG RF signal on.
6. EUT shall be stop the transmitted any signal and SG RF signal off. the EUT will be continuous transmitted signal.

6.8.6 Test Deviation

There is no deviation with the original standard.

6.8.7 EUT Operation during Test

EUT has the continuous transmit mode and fixed only one channelize.

6.8.8 Test Result

Conclusion: Conform to Requirement.

6.9 Interference prevention function

6.9.1 Test Requirement:

Radio Law of Japan Item 8 of Article 2 Paragraph 1.

6.9.2 Conditions etc. of test equipment

- (1) The demodulator shall be able to demodulate the transmitting signal from the radio equipment and display contents of the identification code.
- (2) The opposite equipment shall be able to transmit the identification code as same as the transmitting signal from the radio equipment

6.9.3 Test Procedure

1. In the case that the EUT has the function of automatically transmitting the identification code:
 - (a) Transmit the predetermined identification codes form EUT.
 - (b) Check the transmitted identification codes with the demodulator.
2. In the case of receiving the identification code:
 - (a) Transmit the predetermined identification codes form the counterpart.
 - (b) Check if communication is normal.
 - (c) Transmit the signals other than predetermined ID codes form the counterpart.
 - (d) check if the EUT stops the transmission, or if it displays that identification codes are different from the predetermined ones.

6.9.4 Test Result

Extended Unique Identifier

DevEUI - (8 bytes): 504074FFFFC128B2

Conclusion: Conform to Requirement.

6.10 Antenna gain

6.10.1 Test Requirement

Radio Law of Japan Item 8 of Article 2 Paragraph 1.

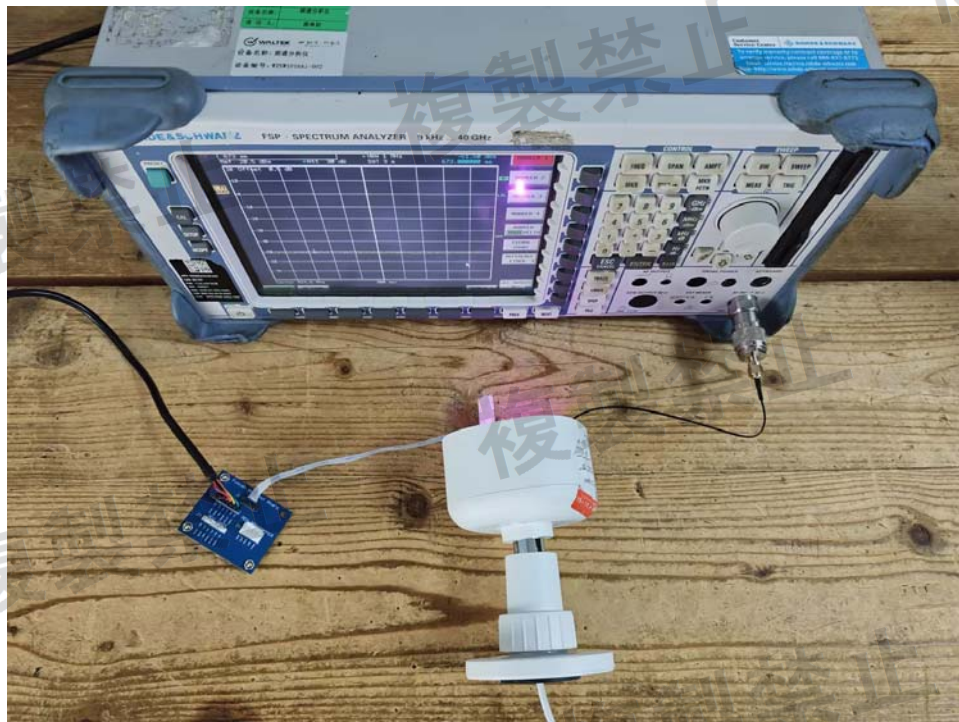
6.10.2 Limit

less than 3dBi;

6.10.3 Test Result

Antenna gain	-0.4dBi	Less than 3dBi	Pass
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7 Test Setup View



8 Photographs - Constructional Details

Note: Please refer to appendix: Appendix-ADC-V730-Photos.

===== End of Report =====