



JAPAN RADIO TEST REPORT

Applicant : TECHTUIT CO., LTD.

Address : Mita International Building 26F, 1-4-28 Mita Minato-ku
Tokyo 108-0073 Japan

Equipment : Wearable devices

Model No. : WSW100-BK

Trade Name : TECHTUIT

Declaration : 19.45 mW

Output power : 19.45 mW

Test Methods : MIC notification. No.88 of 2004, Annex 22-3

I HEREBY CERTIFY THAT :

The sample was received on Jun. 11, 2026 and the testing was completed on Jun. 26, 2026 at CerpPASS Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of CerpPASS Technology Corp., the test report shall not be reproduced except in full.

Approval by:



Kevin Liang / Reviewer

Laboratory Accreditation:

CerpPASS Technology Corporation Test Laboratory



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History of this test report

Cerpass Technology Corp.

Issued Date : Jul. 03, 2026

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1. Summary of Test Procedure and Test Results

1.1 Applicable Standards

TELEC-T245 (2020-10):

Article 2, Paragraph 1, Item 8

Description	Result
Frequency tolerance	PASS
Occupied Bandwidth	PASS
Permissible Values for Unwanted Emission Intensity	PASS
Adjacent channel leakage power	PASS
Antenna Power	PASS
Receiver Secondary Radiated Emissions	PASS
Interference prevention function	PASS
Carrier sense Function	PASS
Construction Protection Confirmation	PASS

*The lab has reduced the uncertainty risk factor from test equipment, environment and staff technicians which according to the standard on contract. Therefore, the test result will only be determined by standard requirement, measurement uncertainty evaluation is not considered.

The differences is list below:

1. Extended Frequency Band.



2. Test Configuration of Equipment under Test

2.1 Feature of Equipment under Test

Center Frequency Range	920.7MHz –927.9MHz
Modulation Type	2-FSK
Antenna Type	CHIP
Antenna Gain	-1 dBi

Note:1. For more details, please refer to the User's manual of the EUT.

2. Center frequency of radio channel using 2 unit radio channel

For 26060157(New addition)

Center Frequency Range	920.7MHz – 927.9MHz
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2.2 Carrier Frequency of Channels

Channel	Frequency (MHz)	Channel	Frequency (MHz)
*24	920.7	43	924.5
25	920.9	44	924.7
26	921.1	45	924.9
27	921.3	46	925.1
28	921.5	47	925.3
29	921.7	48	925.5
30	921.9	49	925.7
31	922.1	50	925.9
32	922.3	51	926.1
33	922.5	52	926.3
34	922.7	53	926.5
35	922.9	54	926.7
36	923.1	55	926.9
37	923.3	56	927.1
38	923.5	57	927.3
39	923.7	58	927.5
40	923.9	59	927.7
41	924.1	*60	927.9
*42	924.3		

Note: Channels remarked * are selected to perform test.

2.3 Test Mode and Test Software

- The complete test system included Notebook and EUT for RF test.
- An executive program, "SREV_Tool Ver. 20260915_01" under Windows OS system was executed to transmit and receive data via Bandwidth 400kHz.
- The following test modes were performed for the test:
Test Mode 1. **920.7MHz – 927.9MHz**



2.4 Description of Test System

RF Conducted				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	lenovo	S1GL2W	N/A	N/A
TYPE-C(Blue)	kolin	KEX-DLCP08	1m / NS	N/A

Carrier Sensing				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
USB Cable	SteelSeries	USB to Typc C Cable	1.2m / S	N/A
Notebook	Lenovo	L440	N/A	Adapter / 1.8m / NS

2.5 General Information of Test

☒ Test Site	Cerpass Technology Corporation Test Laboratory Address: No.10, Ln. 2, Lianfu St., Luzhu Dist., Taoyuan City 33848, Taiwan (R.O.C.) Tel: +886-3-3226-888 Fax: +886-3-3226-881	
	FCC	TW1439, TW1079
	ISED Company Number	4934E
	ISED CAB identifier	TW1439
Test Condition	Normal Voltage: 3.7 V Extreme Voltage: 3.33 V and 4.07 V	

Test Item	Test Site	Test Period	Environmental Conditions	Tested By
RF Conducted	RFCON02-NK	2026/06/18	25.1°C / 48%	Peter Pan
RF Conducted	RFCON02-NK	2026/06/26	25.3°C / 51%	Peter Pan
Carrier Sensing Function	RFDFS01-NK	2026/06/25	25.2°C / 55%	Sheng Hsu
Transmission Time Restriction	RFDFS01-NK	2026/06/25	25.2°C / 55%	Sheng Hsu
Temperature & Humidity	RFCON01-NK	2026/06/26	22.8°C / 58%	Peter Pan

2.6 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

Measurement Item	Uncertainty
Output power	±2.0dB
Unwanted Emissions Strength	±2.0dB
Occupied bandwidth	±4.4%
Frequency tolerance	±1.93kHz
Transmission time	±3.5%
ACLR	±2.0dB



3. Test Equipment and Ancillaries Used for Tests

Test Item	RF Conducted						
Test Site	RFCON02-NK						
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date	Calibration authority	Calibration method
Spectrum Analyzer	ROHDE & SCHWARZ	FSP 40	100047	2026/02/24	2027/02/23	ETC	C
Attenuator	KEYSIGHT	8491B	MY39250703	2026/01/29	2027/01/28	ETC	C
Cable-0.5m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	28420/2	2025/10/13	2026/10/12	ETC	C
Power Meter	Anritsu	ML2495A	1224005	2026/01/27	2027/01/26	ETC	C
Power Sensor	Anritsu	MA2411B	1207295	2026/01/27	2027/01/26	ETC	C
Switch Box	Theda	1-4	TW5451159	NA	NA	N/A	N/A
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200207	2026/04/01	2027/03/31	ETC	C
TEMP & HUMI CHAMBER	T-MACHINE	TMJ-9712	T-12-040111	2025/07/22	2026/07/21	ETC	C

Test Item	Carrier Sensing Function & Transmission Time Restriction						
Test Site	RFDFS01-NK						
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date	Calibration authority	Calibration method
CAX Signal Analyzer	KEYSIGHT	N9000B	MY57100291	2025/10/15	2026/10/14	ETC	C
MXG-B RF Vector Signal Generator + Frequency Extender	KEYSIGHT	N5182B + N5182BX07	MY53051383 + MY59362519	2026/02/26	2027/02/25	ETC	C

Note: Calibration Method

- a) : Calibration conducted by the National Institute of Information and Communications Technology(NICT) or a designated calibration agency under Article 102-18 paragraph (1).
- b) : Calibration conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992) Japan Calibration Service System.
- c) : Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
- d) : Calibration conducted by using other equipment that listed above from a) to c).



4. Transmitter Parameters

4.1 Frequency tolerance

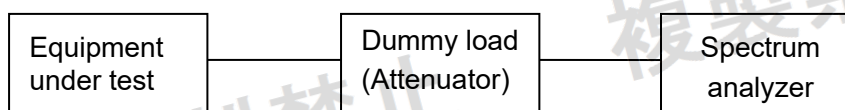
4.1.1 Test Limit

Limits: $\pm 20 \times 10^{-6}$, 20ppm

4.1.2 Test Procedures

According to TELEC-T245, Test item frequency tolerance measuring procedures.

4.1.3 Test Setup

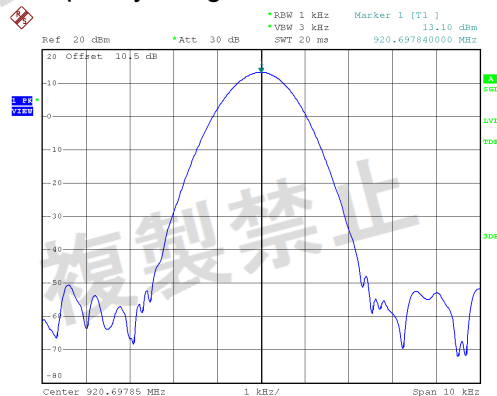


4.1.4 Test Result and Data

Test Conditions					
Voltage	Test Frequency	MHz	920.7	924.3	927.9
Vnom	Measured Frequency	MHz	920.6978	924.2983	927.8987
Vnom	Frequency Error	ppm	-2.35	-1.89	-1.39

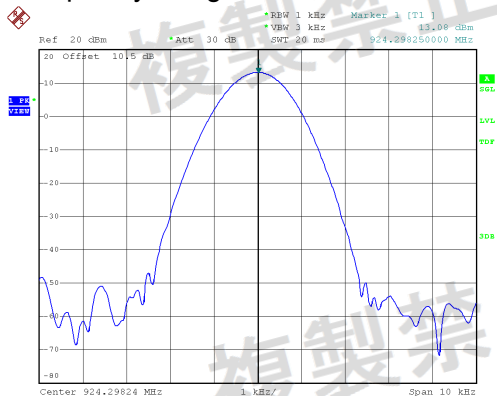


Frequency Range: 920.7MHz



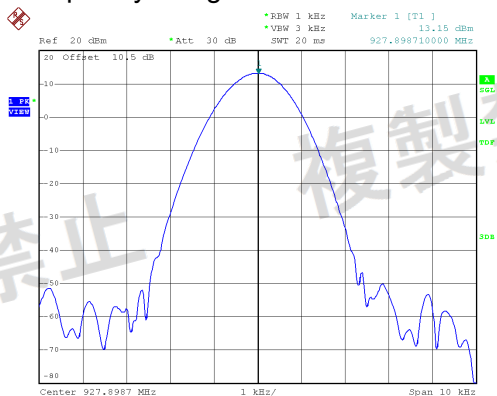
Date: 26.JUN.2026 10:59:30

Frequency Range: 924.3MHz



Date: 26.JUN.2026 10:59:59

Frequency Range: 927.9MHz



Date: 18.JUN.2026 11:29:32



4.2 Occupied Bandwidth

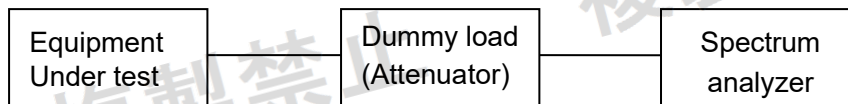
4.2.1 Test Limit

Occupied BandWidth Limit
(200 x n) kHz or less.
Note 1. For center frequency is from 928.15MHz to 929.65 MHz, it shall be (100 x n) kHz or less
Note 2. n is a number of unit radio channelsconstituting the radio channel and is an integer from 1 to 5.)

4.2.2 Test Procedures

Accordinging TELEC-T245, test item occupied bandwidth measuring procedures.

4.2.3 Test Setup

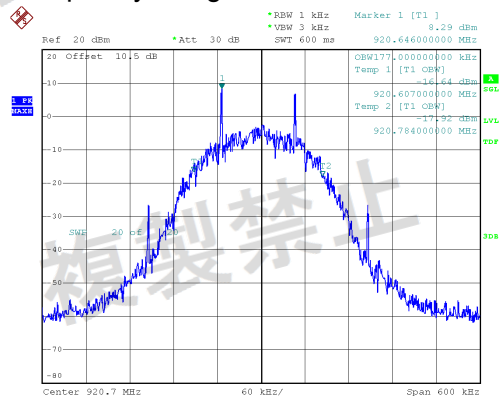


4.2.4 Test Result and Data

Test Conditions					
Voltage	Test Frequency	MHz	920.7	924.3	927.9
Vnom	Occupied Bandwidth	MHz	0.18	0.18	0.18

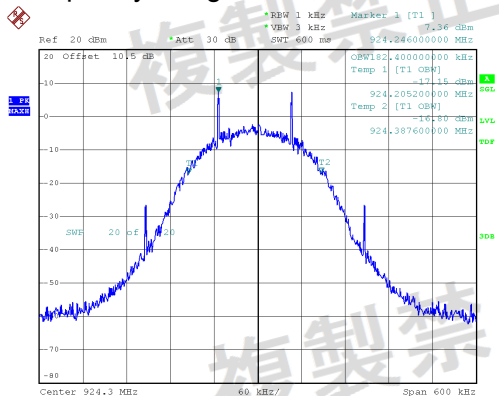


Frequency Range: 920.7MHz



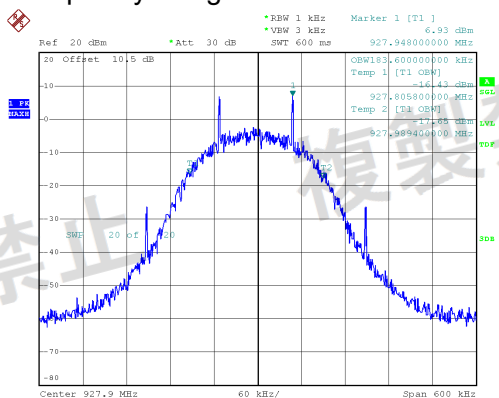
Date: 26.JUN.2026 10:03:58

Frequency Range: 924.3MHz



Date: 26.JUN.2026 10:27:14

Frequency Range: 927.9MHz



Date: 18.JUN.2026 10:57:47



4.3 Permissible Values for Unwanted Emission Intensity

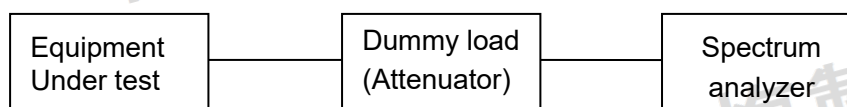
4.3.1 Test Limit

Frequency(MHz)	Limit(dBm)	RBW
30MHz < f <= 710 MHz	-36 dBm	100 kHz
710 MHz < f <= 900 MHz	-55 dBm	1M Hz
900 MHz < f <= 915 MHz	-55 dBm	100 kHz
915 MHz < f <= 930 MHz* (Except for f-fc <= (200+100×n) kHz if bandwidth of unit radio channel is 200 kHz, except for f-fc <= (100+50×n) kHz if bandwidth of unit radio channel is 100 kHz. Except for f-fc <= (100+100×n)kHz if frequency band is 915.9MHz <= f <= 916.9MHz and 920.5MHz <= 922.3MHz. Where n is a number of unit radio channels constituting the radio channel and is an integer from 1 to 5)	-36 dBm	100 kHz
930 MHz < f <= 1000 MHz	-55 dBm	100 kHz
1000 MHz < f <= 1215 MHz	-45 dBm	1M Hz
1215 MHz < f <= 5000 MHz	-30 dBm	1M Hz

4.3.2 Test Procedures

According TELEC-T245, test item Permissible Values for Unwanted Emission measuring procedures.

4.3.3 Test Setup





4.3.4 Test Result and Data

Test Conditions					
Voltage	Frequency Band	Test Frequency	MHz	920.7	Pass/Fail Limit
Vnom	30 MHz~ 710 MHz	Unwanted Emission Frequency	MHz	632.40	Pass
			dBm/100kHz	-47.57	-36
Vnom	710 MHz~ 900 MHz	Unwanted Emission Frequency	MHz	890.64	Pass
			dBm/1MHz	-56.04	-55
Vnom	900 MHz~ 915 MHz	Unwanted Emission Frequency	MHz	915.00	Pass
			dBm/100kHz	-56.11	-55
Vnom	915 MHz~ 920.3Mhz	Unwanted Emission Frequency	MHz	920.30	Pass
			dBm/100kHz	-39.37	-36
Vnom	921.1 Mhz ~ 930 MHz	Unwanted Emission Frequency	MHz	921.11	Pass
			dBm/100kHz	-38.78	-36
Vnom	930 MHz~ 1000 MHz	Unwanted Emission Frequency	MHz	931.48	Pass
			dBm/100kHz	-56.52	-55
Vnom	1000 MHz~ 1215 MHz	Unwanted Emission Frequency	MHz	1019.57	Pass
			dBm/1MHz	-59.27	-45
Vnom	1.215 GHz~ 10 GHz	Unwanted Emission Frequency	MHz	5524.04	Pass
			dBm/1MHz	-42.95	-30

Test Conditions					
Voltage	Frequency Band	Test Frequency	MHz	924.3	Pass/Fail Limit
Vnom	30 MHz~ 710 MHz	Unwanted Emission Frequency	MHz	175.01	Pass
			dBm/100kHz	-47.11	-36
Vnom	710 MHz~ 900 MHz	Unwanted Emission Frequency	MHz	897.70	Pass
			dBm/1MHz	-56.62	-55
Vnom	900 MHz~ 915 MHz	Unwanted Emission Frequency	MHz	914.91	Pass
			dBm/100kHz	-56.49	-55
Vnom	915 MHz~ 920.3Mhz	Unwanted Emission Frequency	MHz	923.90	Pass
			dBm/100kHz	-39.33	-36
Vnom	921.1 Mhz ~ 930 MHz	Unwanted Emission Frequency	MHz	924.71	Pass
			dBm/100kHz	-38.26	-36
Vnom	930 MHz~ 1000 MHz	Unwanted Emission Frequency	MHz	930.41	Pass
			dBm/100kHz	-56.06	-55
Vnom	1000 MHz~ 1215 MHz	Unwanted Emission Frequency	MHz	1013.49	Pass
			dBm/1MHz	-59.26	-45
Vnom	1.215 GHz~ 10 GHz	Unwanted Emission Frequency	MHz	1848.62	Pass
			dBm/1MHz	-43.31	-30



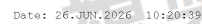
Test Conditions					
Voltage	Frequency Band	Test Frequency	MHz	927.9	Pass/Fail
					Limit
Vnom	30 MHz~ 710 MHz	Unwanted Emission Frequency	MHz	441.66	Pass
			dBm/100kHz	-46.45	-36
Vnom	710 MHz~ 900 MHz	Unwanted Emission Frequency	MHz	897.79	Pass
			dBm/1MHz	-56.36	-55
Vnom	900 MHz~ 915 MHz	Unwanted Emission Frequency	MHz	909.61	Pass
			dBm/100kHz	-56.80	-55
Vnom	915 MHz~ 920.3MHz	Unwanted Emission Frequency	MHz	927.45	Pass
			dBm/100kHz	-39.36	-36
Vnom	921.1 Mhz ~ 930 MHz	Unwanted Emission Frequency	MHz	928.30	Pass
			dBm/100kHz	-37.75	-36
Vnom	930 MHz~ 1000 MHz	Unwanted Emission Frequency	MHz	930.08	Pass
			dBm/100kHz	-56.71	-55
Vnom	1000 MHz~ 1215 MHz	Unwanted Emission Frequency	MHz	1016.15	Pass
			dBm/1MHz	-59.52	-45
Vnom	1.215 GHz~ 10 GHz	Unwanted Emission Frequency	MHz	1856.31	Pass
			dBm/1MHz	-42.50	-30



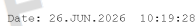
Frequency Range: 920.7MHz-1



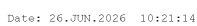
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Frequency Range: 920.7MHz-2



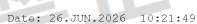
Frequency Range: 920.7MHz-5



Frequency Range: 920.7MHz-3



Frequency Range: 920.7MHz-6





Frequency Range: 920.7MHz-7

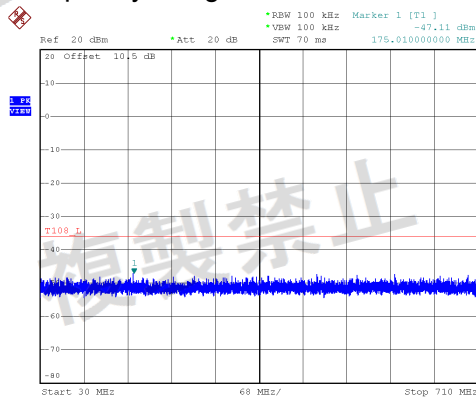


Frequency Range: 920.7MHz-8



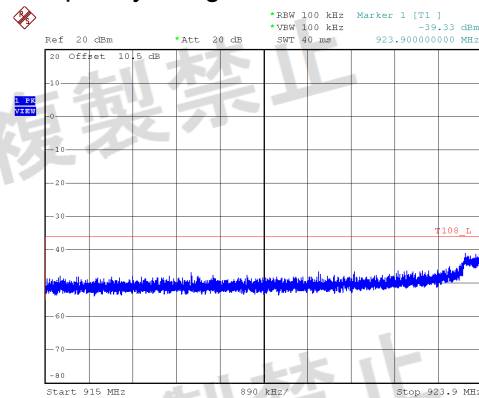


Frequency Range: 924.3MHz-1



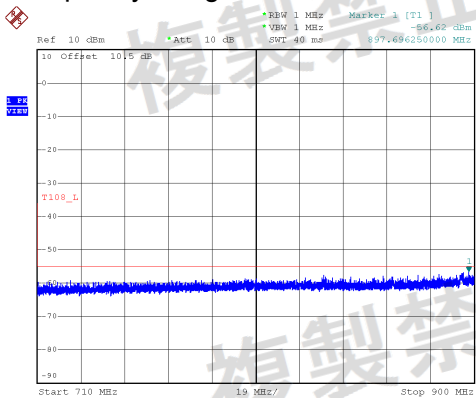
Date: 26.JUN.2026 10:28:10

Frequency Range: 924.3MHz-4



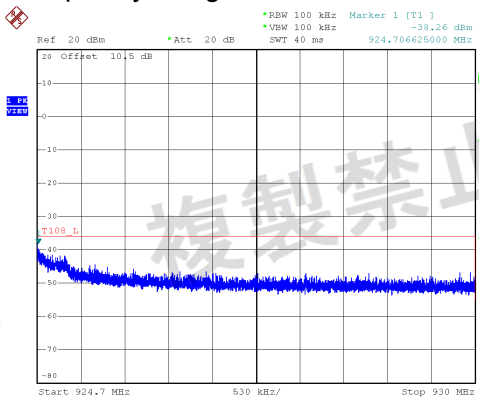
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Frequency Range: 924.3MHz-2



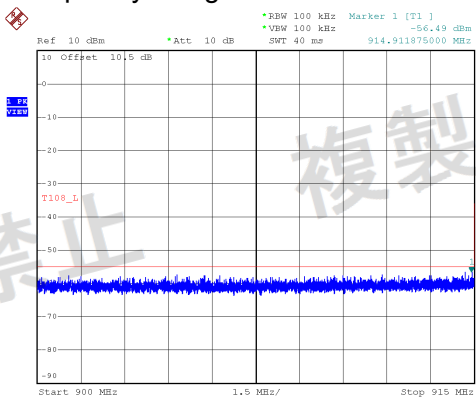
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Frequency Range: 924.3MHz-5



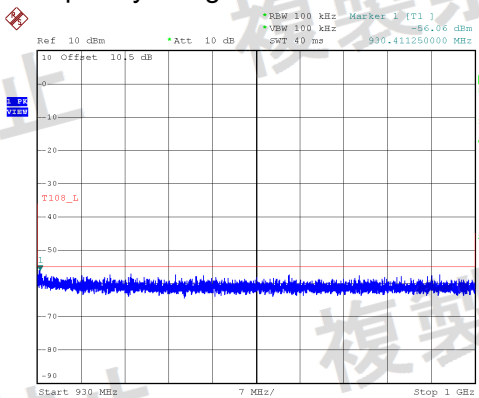
Date: 26.JUN.2026 10:30:30

Frequency Range: 924.3MHz-3



Date: 26.JUN.2026 10:29:20

Frequency Range: 924.3MHz-6



Date: 26.JUN.2026 10:31:05



Frequency Range: 924.3MHz-7

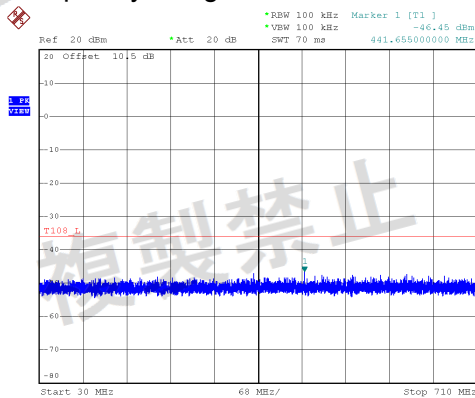


Frequency Range: 924.3MHz-8



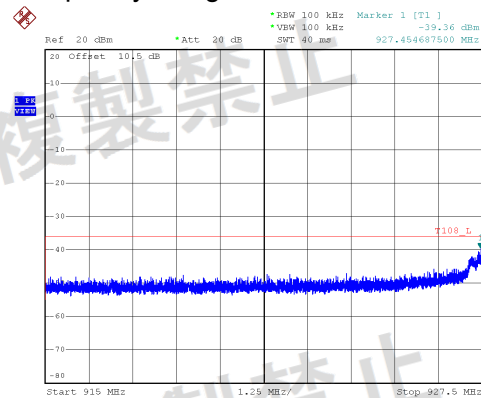


Frequency Range: 927.9MHz-1



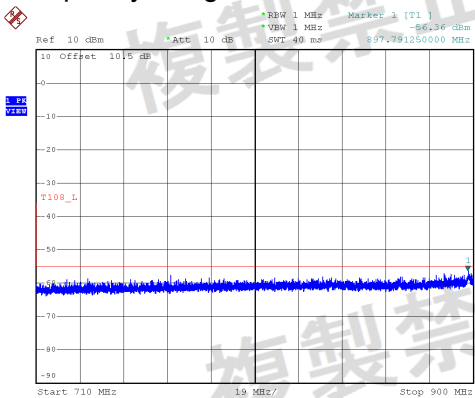
Date: 26.JUN.2026 10:36:11

Frequency Range: 927.9MHz-4



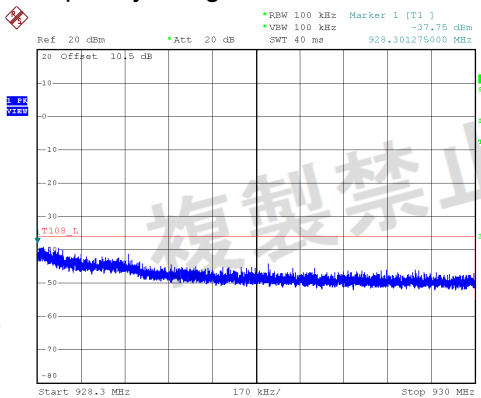
Date: 26.JUN.2026 10:37:57

Frequency Range: 927.9MHz-2



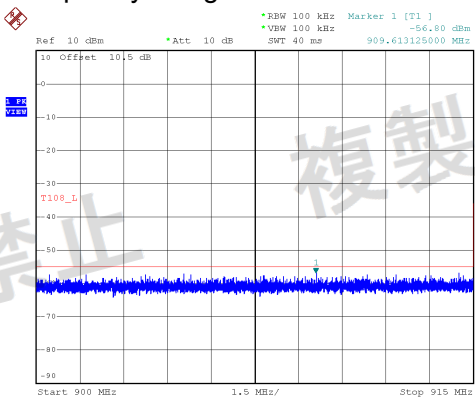
Date: 26.JUN.2026 10:36:46

Frequency Range: 927.9MHz-5



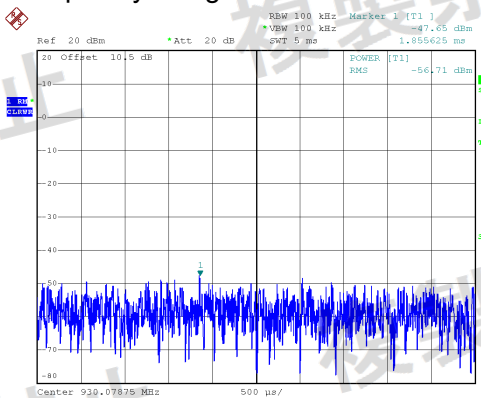
Date: 26.JUN.2026 10:38:32

Frequency Range: 927.9MHz-3



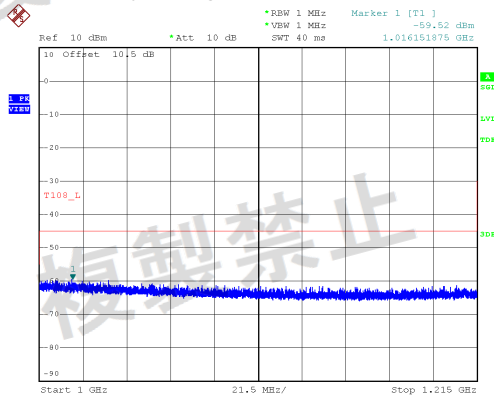
Date: 26.JUN.2026 10:37:21

Frequency Range: 927.9MHz-6



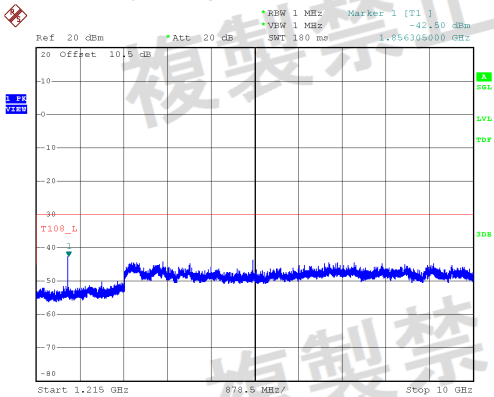
Date: 26.JUN.2026 10:39:24

Frequency Range: 927.9MHz-7



Date: 26.JUN.2026 10:39:49

Frequency Range: 927.9MHz-8



Date: 26.JUN.2026 10:40:25



4.4 Adjacent channel leakage power

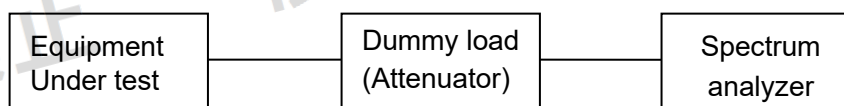
4.4.1 Test Limit

Frequency 915.9MHz to 916.9MHz	Limit(dBm)
Spectral power at the edge of a radio channel	− 20 dBm
Leakage power in unit radio channel adjacent to a radio channel	− 26 dBm
Frequency 920.5MHz to 922.3MHz	Limit(dBm)
Spectral power at the edge of a radio channel	− 7 dBm
Leakage power in unit radio channel adjacent to a radio channel	− 15 dBm(*) *If antenna power is reduced by 1mW or less, each adjacent channel leakage power is 26dBm or less
Frequency 922.3MHz to 928.1MHz (Antenna power is 1mW or less)	Limit(dBm)
Leakage power in unit radio channel adjacent to a radio channel	− 26 dBm
Frequency 922.3MHz to 928.1MHz (Antenna power is more than 1mW and 20mW or less.)	Limit(dBm)
Leakage power in unit radio channel adjacent to a radio channel	− 15 dBm
Frequency 928.1MHz to 929.7MHz	Limit(dBm)
Leakage power in unit radio channel adjacent to a radio channel	− 26 dBm

4.4.2 Test Procedure

According to TELEC-T245, test item adjacent channel leakage power measuring procedure.

4.4.3 Test Setup





4.4.4 Test Result and Data

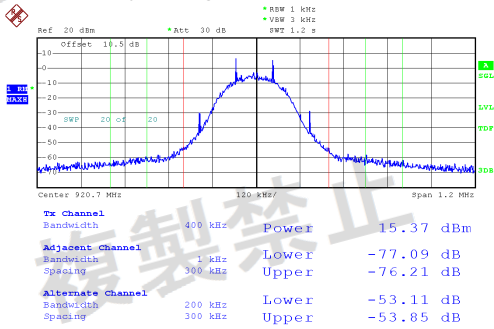
Test Conditions									
Voltage	Adjacent Channel Leakage Power	Test Frequency (Mhz)	TX Channel Power (dBm)	Adjacent unit channel		Adjacent unit channel		Adjacent unit channel Limit	
				Lower(dB)	Upper(dB)	Lower(dBm)	Upper(dBm)	Lower(dBm)	Upper(dBm)
		920.7	15.34	-53.11	-53.85	-37.77	-38.51	-15.00	-15.00

Test Conditions										
Voltage	Adjacent Channel Leakage Power	Test Frequency (Mhz)	TX Channel Power (dBm)	Reference Power Level		Reference Power Level		Reference Power Level Limit		Pass/Fail
				Lower(dB)	Upper(dB)	Lower(dBm)	Upper(dBm)	Lower(dBm)	Upper(dBm)	
		920.7	15.34	-77.09	-76.21	-61.75	-60.87	-7.00	-7.00	

Test Conditions										
Voltage	Adjacent Channel Leakage Power	Test Frequency (Mhz)	TX Channel Power (dBm)	Adjacent unit channel		Adjacent unit channel		Adjacent unit channel Limit		Pass/Fail
				Lower(dB)	Upper(dB)	Lower(dBm)	Upper(dBm)	Lower(dBm)	Upper(dBm)	
		924.3	15.39	-53.26	-53.77	-37.87	-38.38	-15.00	-15.00	
		927.9	15.74	-53.53	-53.97	-37.79	-38.23	-15.00	-15.00	

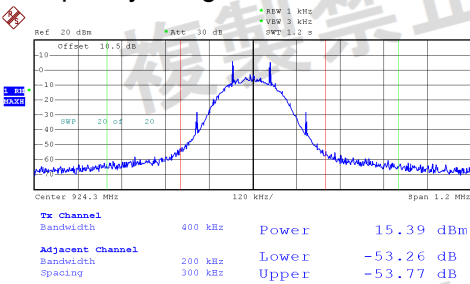


Frequency Range: 920.7MHz



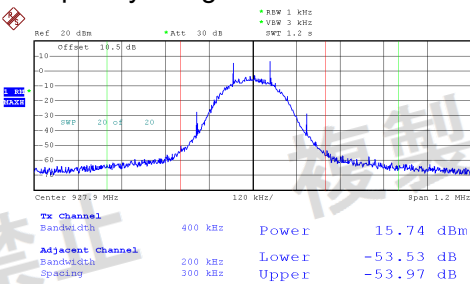
Date: 26.JUN.2026 10:15:45

Frequency Range: 924.3MHz



Date: 26.JUN.2026 10:27:46

Frequency Range: 927.9MHz



Date: 18.JUN.2026 10:58:19



4.5 Antenna Power

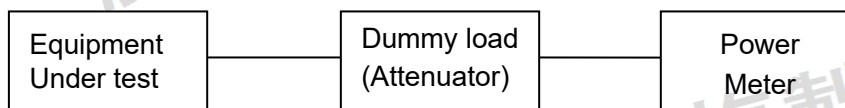
4.5.1 Test Limit

	Limit
Antenna Power	It shall be 20 mW or less. However, it shall be 1 mW or less for radio channels consisting of at least one of unit radio channels whose center frequencies are located from 916.0 MHz to 916.8 MHz or from 928.15 MHz to 929.65 MHz
Tolerance for antenna power	+20%(upper value) ~ -80%(lower value)

4.5.2 Test Procedure

According to TELEC-T245 Antenna Power & Tolerance for antenna power measuring procedure.

4.5.3 Test Setup



4.5.4 Test Result and Data(Antenna Power)

Test Conditions					
Voltage	Test Frequency	MHz	920.7	924.3	927.9
Vnom	E.I.R.P	dBm	11.89	11.87	11.87
Vnom	Antenna Power	mW	19.45	19.36	19.36
Vnom	Antenna Power Error	%	0.00	-0.46	-0.46



4.6 Interference Prevention Function

4.6.1 Test Limit

Identification code ≥ 48 bits

4.6.2 Test Procedures

1. Set EUT under operation mode and link up with companion equipment
2. Check communication status between EUT and companion equipment is normal
3. Confirm the MAC address of EUT

4.6.3 Test Setup



4.6.4 Test Result

ID Code	MAC Address : 11:11:11:11:11:11
Result : PASS	



5. Receiver Parameters

5.1 Receiver Secondary Radiated Emissions

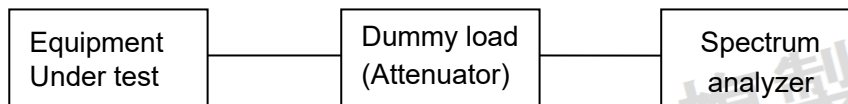
5.1.1 Test Limit

Frequency(MHz)	Limit(dBm)	RBW
30MHz < f <= 710 MHz	- 54 dBm	100 kHz
710 MHz < f <= 900 MHz	- 55 dBm	1M Hz
900 MHz < f <= 915 MHz	- 55 dBm	100 kHz
915 MHz < f <= 930 MHz	- 54 dBm	100 kHz
930 MHz < f <= 1000 MHz	- 55 dBm	100 kHz
1000 MHz < f <= 5000 MHz	- 47 dBm	1M Hz

5.1.2 Test Procedure

According to TELEC-T245 Receiver Secondary Radiated Emissions measuring procedure.

5.1.3 Test Setup

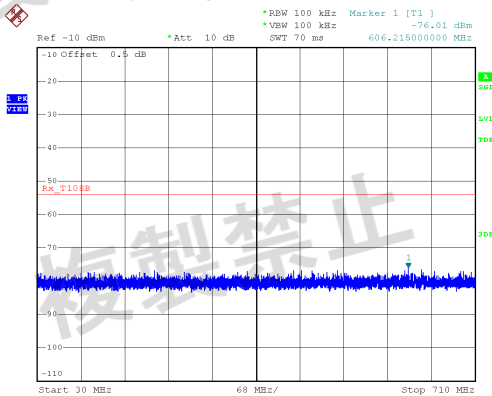


5.1.4 Test Result and Data

Test Conditions						
Voltage	Frequency Band	Test Frequency	MHz	920.7	924.3	927.9
Vnom	30 MHz~ 710 MHz	Unwanted Emission Frequency	MHz	606.22	529.12	576.47
			dBm/100kHz	-76.01	-75.69	-75.94
Vnom	710 MHz~ 900 MHz	Unwanted Emission Frequency	MHz	769.49	742.80	779.71
			dBm/1MHz	-71.77	-71.94	-71.13
Vnom	900 MHz~ 915 MHz	Unwanted Emission Frequency	MHz	911.84	900.21	906.56
			dBm/100kHz	-76.30	-76.38	-76.56
Vnom	915 MHz~ 930 MHz	Unwanted Emission Frequency	MHz	915.74	917.96	917.26
			dBm/100kHz	-76.37	-75.87	-76.57
Vnom	930 MHz~ 1000 MHz	Unwanted Emission Frequency	MHz	963.41	933.61	990.04
			dBm/100kHz	-76.32	-76.01	-76.20
Vnom	1 GHz~ 10 GHz	Unwanted Emission Frequency	MHz	3644.88	3286.00	7300.00
			dBm/1MHz	-62.80	-64.03	-63.79

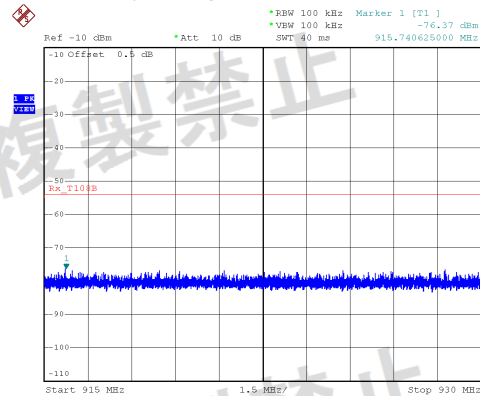


Frequency Range: 920.7MHz-1



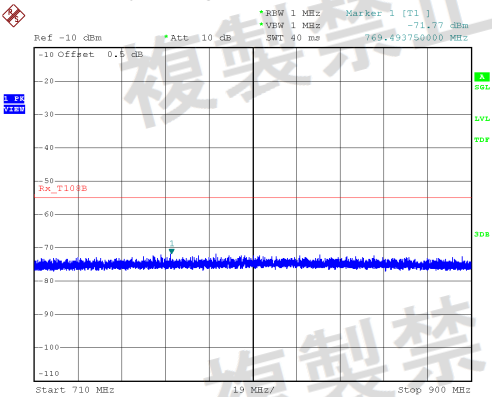
Date: 26.JUN.2026 10:48:41

Frequency Range: 920.7MHz-4



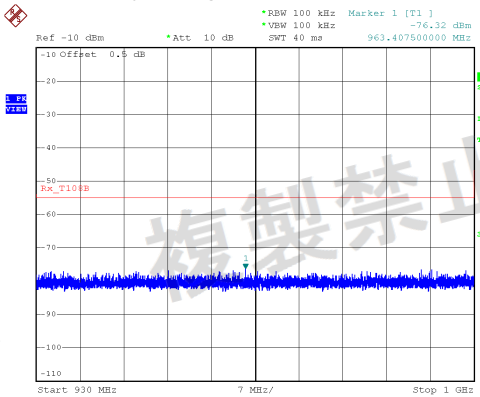
Date: 26.JUN.2026 10:50:27

Frequency Range: 920.7MHz-2



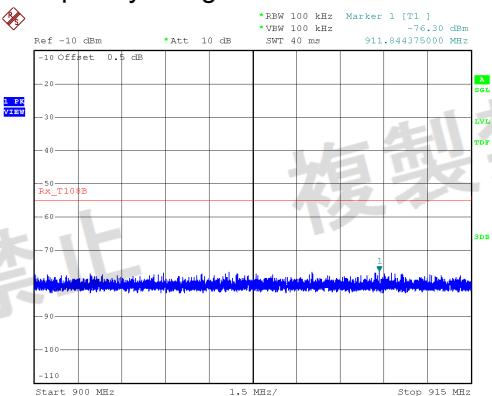
Date: 26.JUN.2026 10:49:16

Frequency Range: 920.7MHz-5



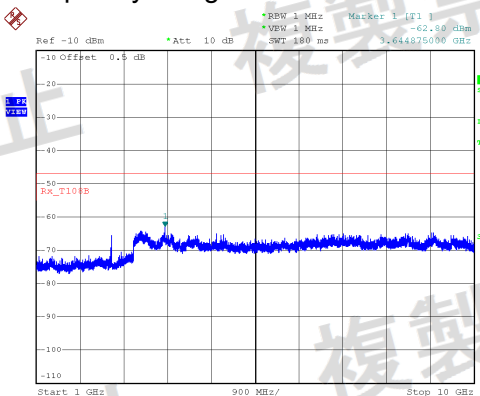
Date: 26.JUN.2026 10:51:02

Frequency Range: 920.7MHz-3



Date: 26.JUN.2026 10:49:51

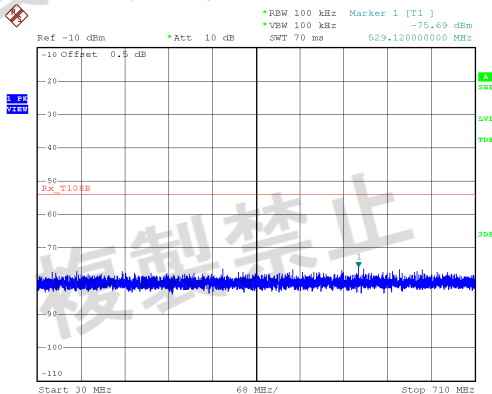
Frequency Range: 920.7MHz-6



Date: 26.JUN.2026 10:51:37

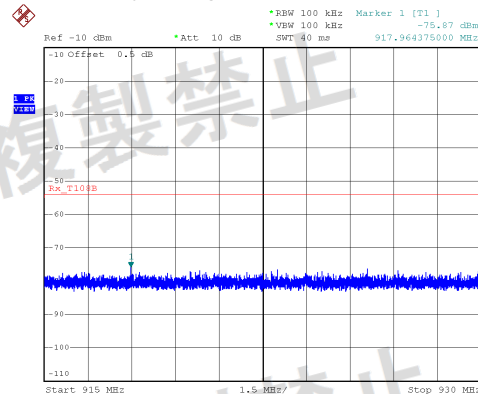


Frequency Range: 924.3MHz-1



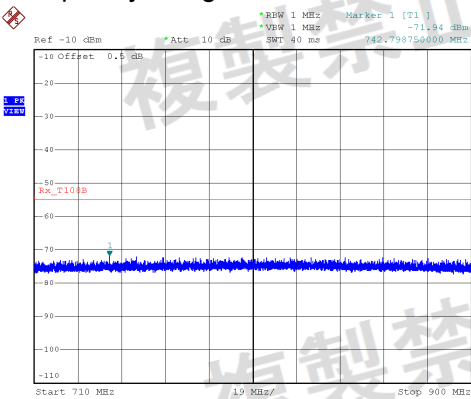
Date: 26.JUN.2026 10:55:02

Frequency Range: 924.3MHz-4



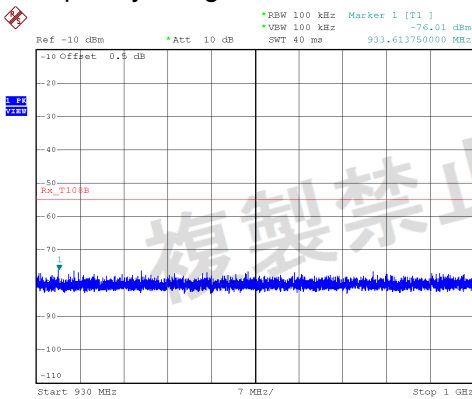
Date: 26.JUN.2026 10:56:48

Frequency Range: 924.3MHz-2



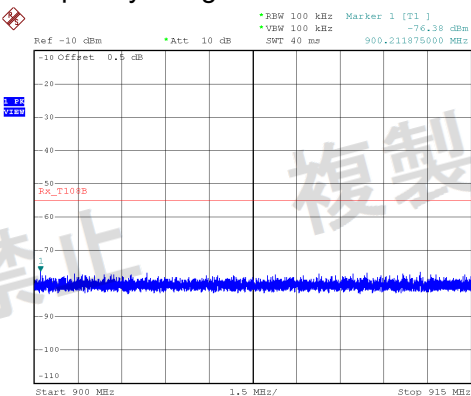
Date: 26.JUN.2026 10:55:37

Frequency Range: 924.3MHz-5



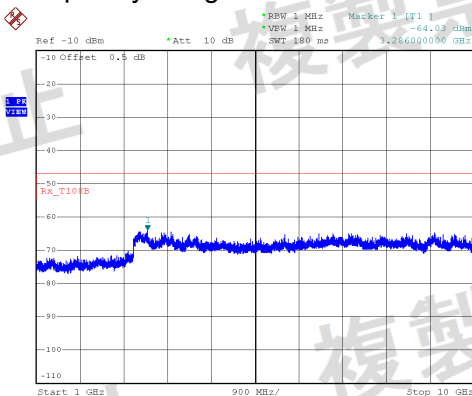
Date: 26.JUN.2026 10:57:24

Frequency Range: 924.3MHz-3



Date: 26.JUN.2026 10:56:12

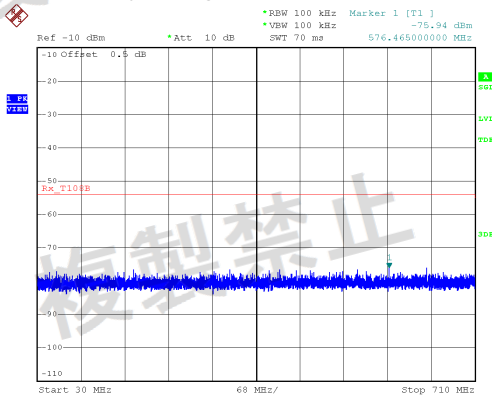
Frequency Range: 924.3MHz-6



Date: 26.JUN.2026 10:57:59

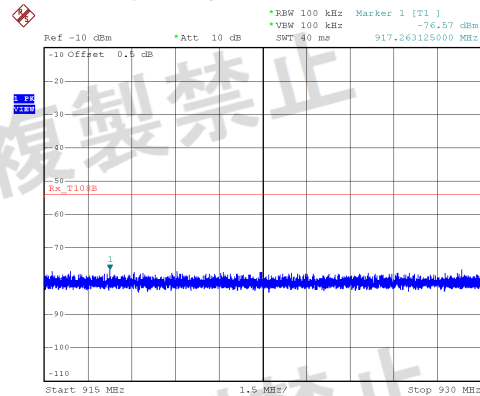


Frequency Range:927.9MHz-1



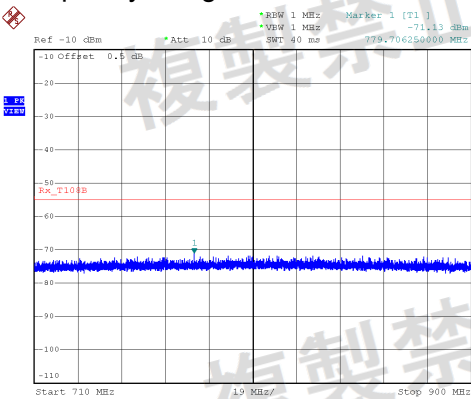
Date: 18.JUN.2026 11:20:25

Frequency Range:927.9MHz-4



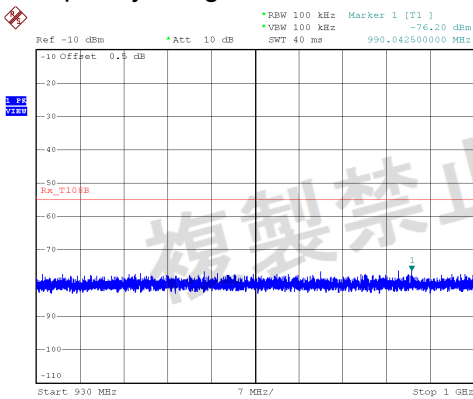
Date: 18.JUN.2026 11:22:13

Frequency Range:927.9MHz-2



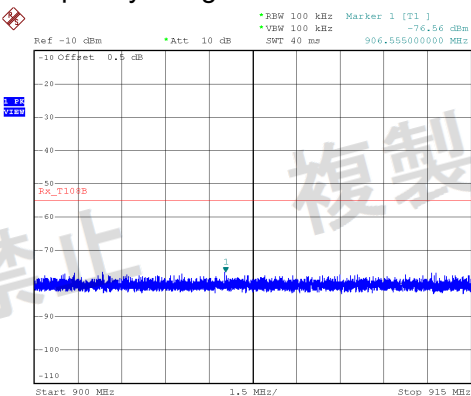
Date: 18.JUN.2026 11:21:01

Frequency Range:927.9MHz-5



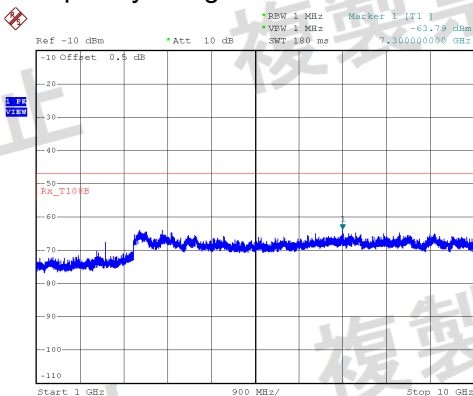
Date: 18.JUN.2026 11:22:49

Frequency Range:927.9MHz-3



Date: 18.JUN.2026 11:21:37

Frequency Range:927.9MHz-6



Date: 18.JUN.2026 11:23:24



5.2 Carrier sense Function & Transmission time control

5.2.1 Test Limit

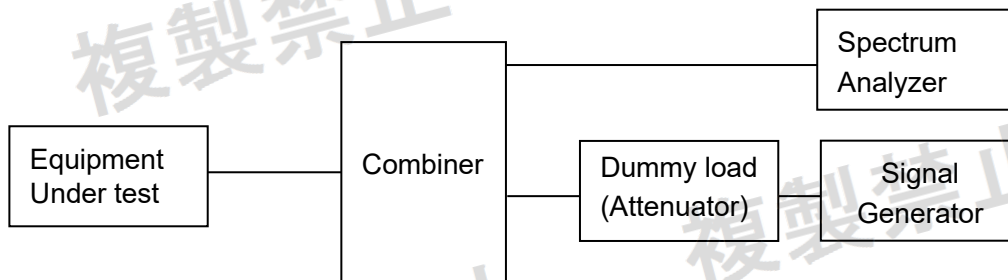
Frequency band	Antenna power (conducted)	Carrier sense	CS threshold	Sum of TX time / 1 h	Individual TX / Pause	CS condition
915.9–928.1 MHz (no CS)	≤1 mW (≤0.25 W if in a sealed, non-openable enclosure & EIRP ≤+3 dBm)	Exempt	N/A	≤3.6 s/h	TX ≤0.1 s; Pause ≥0.1 s (no pause if re-send within 0.1 s)	No CS (\$49-14-8)
928.1–929.7 MHz	≤1 mW (≤0.25 W if sealed & EIRP ≤+3 dBm)	Exempt	N/A	—	TX ≤50 ms; Pause ≥50 ms (no pause if re-send within 50 ms)	No CS
920.5–923.5 MHz (with CS)	≤20 mW (≤0.25 W if sealed & EIRP ≤+16 dBm)	Required	−80 dBm (≤20 mW)	Not specified (see note 2)	TX ≤4 s; Pause ≥50 ms (no pause if re-send within 4 s, preceded by CS ≥128 μs)	CS receive time ≥5 ms
920.5–928.1 MHz (with CS)	≤20 mW (≤0.25 W if sealed & EIRP ≤+16 dBm)	Required	−80 dBm (≤20 mW)	≤360 s/h (multi-ch: ≤720 s/h device & ≤360 s/h per ch – note 3)	TX ≤0.4 s; Pause ≥2 ms (no pause if TX ≤6 ms)	CS receive time ≥128 μs
920.5–925.1 MHz (FH, no CS)	≤20 mW (same as above)	Exempt	N/A	≤720 s/h device & ≤36 s/h per unit channel	Same-freq TX ≤0.4 s; Pause ≥4 s (no pause if same-freq re-send within 0.4 s)	FH switching ≤0.4 s
920.5–923.5 MHz (LDC, no CS)	≤20 mW (same as above)	Exempt	N/A	≤36 s/h	TX ≤4 s; Pause ≥0.05 s (no pause if re-send within 4 s)	Duty cycle ≤1 %



5.2.2 Test Procedure

According to TELEC-T245 Carrier sense measuring procedure.

5.2.3 Test Setup



5.2.4 Carrier sense Function Test Result and Data

Band	Frequency (MHz)	SG Test condition: clear-window, SG ON/OFF (ms)	limit (ms)	Pass/Fail
923.5~927.9	927.9	400 (enable) / 4 (disable)	≥ 0.128	Pass
	927.9	400 (enable) / 0.128 (disable)	≥ 0.128	Pass

feeder input level: -80 dBm

Note: Under busy channel conditions with an input level of -80 dBm from the signal generator, when the clear window was 0.128 ms or less, EUT transmission was inhibited.

This confirms that the EUT does not transmit unless the channel is sensed clear for more than 0.128 ms.

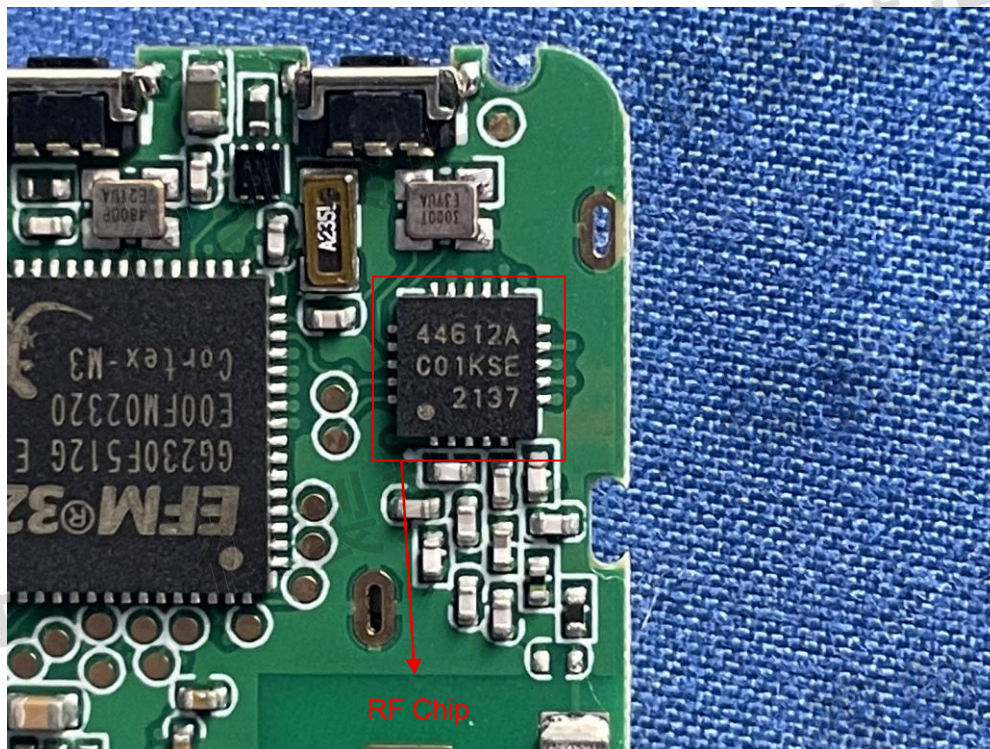
Bundled unit CH	Frequency (MHz)	Sending duration (ms)	Pause duration (ms)	Limit of Sending duration (ms)	Limit of Pause duration (ms)	Pass/Fail
923.5~927.9	927.9	10.5	102.8	≤ 400	≥ 2	PASS

Frequency (MHz)	Total sending duration (s)	Limit (sec) per hours	Pass/Fail
927.9	333.6	360	PASS



6. Construction Protection Confirmation

The Radio Equipment:
☐ Use Special Screw
☐ Metal Shielding is Soldered
☐ Use Ball Grid Array (BGA)
☒ The RF part is covered by glue.
☐ Ultrasonic Welding
Module/Chip:
☐ Use System in Package(SiP)





7. Power Supply Voltage Fluctuation Test

Voltage Fluctuation Test	Normal Voltage	High Voltage + 10% of Normal Voltage	Low Voltage - 10% of Normal Voltage
Input DC Power	3.7	4.07	3.33
Output DC Power	3.311	3.314	3.307
Voltage Variation (%)	-	0.09%	-0.12%

Note: Voltage Variation(%)=(Output High or Low Voltage - Output Normal Voltage)/Output Normal Voltage X 100 During the supply voltage to the EUT from the external power source is varied by +/- 10%,if output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/- 1%, Exempt extremely high and low supply voltage condition tests ,EUT only operated in normal voltage to test all regulations.

-----THE END OF REPORT-----



8. Test Photos

