



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
Trade Name : TECHTUIT
Declaration : 19.907 mW
Output power :
Test Methods : MIC notification. No.88 of 2004, Annex 22-3

I HEREBY CERTIFY THAT :

The sample was received on Sep. 19, 2025 and the testing was completed on Nov. 25, 2025 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:

Mark Liao / Supervisor

Laboratory Accreditation:

CerpPASS Technology Corporation Test Laboratory



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History of this test report

Report No.	Issued Date	Description
25090352-TRMIC01	Nov. 28, 2025	Original



1. Summary of Test Procedure and Test Results

1.1 Applicable Standards

TELEC-T245 (2020-10):

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.



2. Test Configuration of Equipment under Test

2.1 Feature of Equipment under Test

Center Frequency Range	920.7MHz – 923.3MHz
Modulation Type	2-FSK / 4-FSK (IEEE 802.15.4g compliant)
Modulation Technology	Wi-SUN
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

2.2 Carrier Frequency of Channels

Channel	Frequency (MHz)
*24.25	920.7
25.26	920.9
26.27	921.1
27.28	921.3
28.29	921.5
29.30	921.7
*30.31	921.9
31.32	922.1
33.34	922.5
34.35	922.7
35.36	922.9
36.37	923.1
*37.38	923.3

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. 20160915_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 – 923.3MHz



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 USB	kolin	KEX-DLCP08	1m / NS	N/A
Carrier Sensing				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	Lenovo	L440	N/A	Adapter / 1.8m / NS
USB Cable	SteelSeries	USB to Typc C Cable	1.2m / S	N/A



2.5 General Information of Test

☒ Test Site	CerpPASS 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
	IC	4934E-1, 4934E-2
Test Condition	Normal Voltage: 3.33 V Extreme Voltage: 3.7 V and 4.07 V	

Test Item	Test Site	Test Period	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2025/10/22	24.6°C / 63%	Leon Huang
RF Conducted	RFCON01-NK	2025/11/25	26.7°C / 47%	Leon Huang
Carrier Sensing Function	RFDFS01-NK	2025/11/25	25.2°C / 53%	Sheng Hsu
Transmission Time Restriction	RFDFS01-NK	2025/11/21	25.1°C / 53%	Sheng Hsu

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	RFCON01-NK						
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date	Calibration authority	Calibration method
Spectrum Analyzer	ROHDE & SCHWARZ	FSP 40	100047	2025/03/03	2026/03/02	ETC	C
Attenuator	KEYSIGHT	8491B	MY39250703	2025/02/12	2026/02/11	ETC	C
Cable-0.5m(1G-26.5G)	HUBER SUHNER	SUCOFLEX 102	28422/2	2025/06/06	2026/06/05	ETC	C
Power Meter	Anritsu	ML2495A	1224005	2025/02/12	2026/02/11	ETC	C
Power Sensor	Anritsu	MA2411B	1207295	2025/02/12	2026/02/11	ETC	C
Switch Box	Theda	1-4	TW5451159	NA	NA	N/A	N/A
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200207	2025/04/23	2026/04/22	ETC	C
TEMP & HUMI CHAMBER	T-MACHINE	TMJ-9712	T-12-040111	2025/07/21	2026/07/20	Omnio,LAB	C

Test Item	Carrier Sensing & 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	MY57100339	2025/10/23	2026/10/22	ETC	C
MXG-B RF Vector Signal Generator + Frequency Extender	KEYSIGHT	N5182B+N5182BX07	MY53051383+MY59362519	2025/02/11	2026/02/10	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

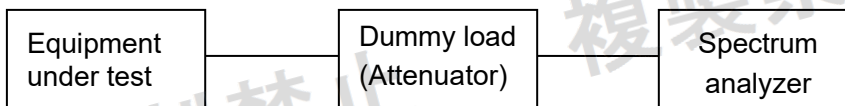
4.1.1 Test Limit

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

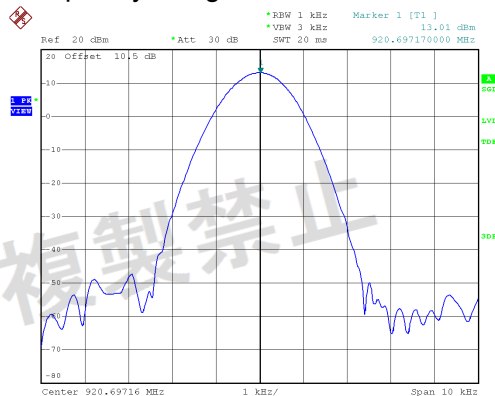


4.1.4 Test Result and Data

Test Conditions					
Voltage	Test Frequency	MHz	920.7	921.9	923.3
Vnom	Measured Frequency	MHz	920.6972	921.8973	923.2975
Vnom	Frequency Error	ppm	-3.07	-2.89	-2.73

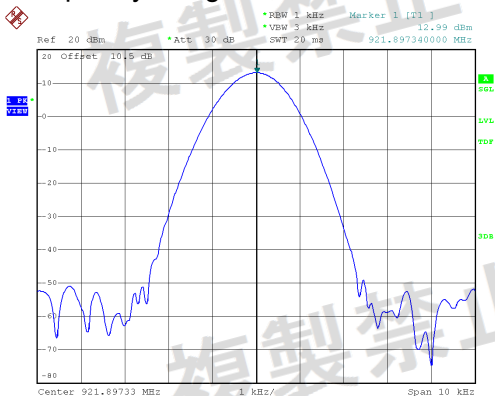


Frequency Range: 920.7MHz-1



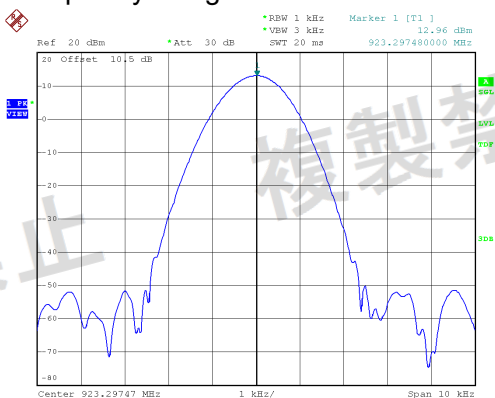
Date: 22.OCT.2025 10:26:51

Frequency Range: 921.9MHz



Date: 22.OCT.2025 10:27:11

Frequency Range: 923.3MHz



Date: 22.OCT.2025 10:27:29



4.2 Occupied Bandwidth

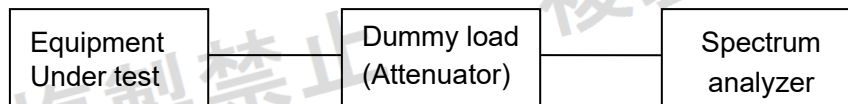
4.2.1 Test Limit

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

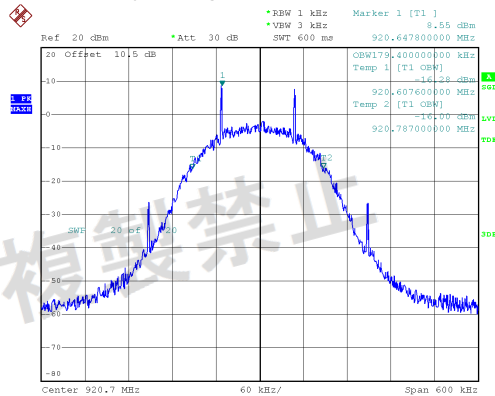


4.2.4 Test Result and Data

Test Conditions					
Voltage	Test Frequency	MHz	920.7	921.9	923.3
Vnom	Occupied Bandwidth	MHz	0.18	0.18	0.18

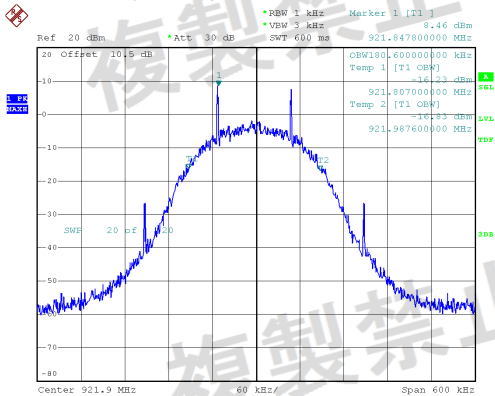


Frequency Range: 920.7MHz



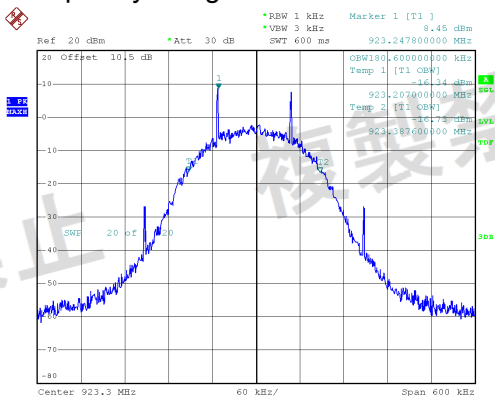
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Frequency Range: 921.9MHz



Date: 22.OCT.2025 10:08:51

Frequency Range: 923.3MHz



Date: 22.OCT.2025 10:16:54



4.3 Permissible Values for Unwanted Emission Intensity

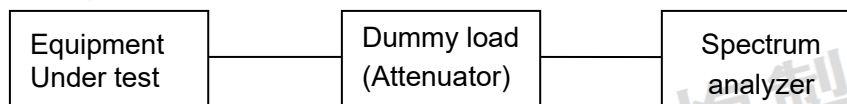
4.3.1 Test Limit

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	665.04	Pass
			dBm/100KHz	-48.35	-36
Vnom	710 MHz~ 900 MHz	Unwanted Emission Frequency	MHz	899.95	Pass
			dBm/1MHz	-57.17	-55
Vnom	900 MHz~ 915 MHz	Unwanted Emission Frequency	MHz	913.96	Pass
			dBm/100KHz	-55.91	-55
Vnom	915 MHz~ 920.3MHz	Unwanted Emission Frequency	MHz	920.27	Pass
			dBm/100KHz	-36.76	-36
Vnom	921.1 Mhz ~ 930 MHz	Unwanted Emission Frequency	MHz	921.11	Pass
			dBm/100KHz	-36.96	-36
Vnom	930 MHz~ 1000 MHz	Unwanted Emission Frequency	MHz	946.79	Pass
			dBm/100KHz	-57.38	-55
Vnom	1000 MHz~ 1215 MHz	Unwanted Emission Frequency	MHz	1057.57	Pass
			dBm/1MHz	-60.65	-45
Vnom	1.215 GHz~ 10 GHz	Unwanted Emission Frequency	MHz	3145.50	Pass
			dBm/1MHz	-44.83	-30



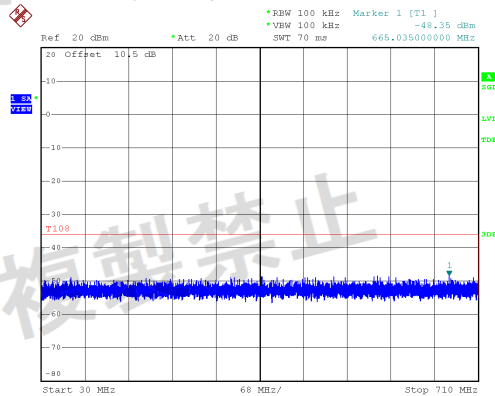
Test Conditions					
Voltage	Frequency Band	Test Frequency	MHz	921.9	Pass/Fail
					Limit
Vnom	30 MHz~ 710 MHz	Unwanted Emission Frequency	MHz	673.71	Pass
			dBm/100KHz	-48.41	-36
Vnom	710 MHz~ 900 MHz	Unwanted Emission Frequency	MHz	891.66	Pass
			dBm/1MHz	-56.65	-55
Vnom	900 MHz~ 915 MHz	Unwanted Emission Frequency	MHz	911.67	Pass
			dBm/100KHz	-56.87	-55
Vnom	915 MHz~ 921.5MHz	Unwanted Emission Frequency	MHz	921.50	Pass
			dBm/100KHz	-37.59	-36
Vnom	922.3 Mhz ~ 930 MHz	Unwanted Emission Frequency	MHz	922.30	Pass
			dBm/100KHz	-38.24	-36
Vnom	930 MHz~ 1000 MHz	Unwanted Emission Frequency	MHz	939.08	Pass
			dBm/100KHz	-56.90	-55
Vnom	1000 MHz~ 1215 MHz	Unwanted Emission Frequency	MHz	1101.29	Pass
			dBm/1MHz	-60.83	-45
Vnom	1.215 GHz~ 10 GHz	Unwanted Emission Frequency	MHz	6453.06	Pass
			dBm/1MHz	-46.23	-30



Test Conditions					
Voltage	Frequency Band	Test Frequency	MHz	923.3	Pass/Fail
					Limit
Vnom	30 MHz~ 710 MHz	Unwanted Emission Frequency	MHz	367.88	Pass
			dBm/100KHz	-48.42	-36
Vnom	710 MHz~ 900 MHz	Unwanted Emission Frequency	MHz	897.22	Pass
			dBm/1MHz	-57.14	-55
Vnom	900 MHz~ 915 MHz	Unwanted Emission Frequency	MHz	903.65	Pass
			dBm/100KHz	-56.48	-55
Vnom	915 MHz~ 922.9MHz	Unwanted Emission Frequency	MHz	922.90	Pass
			dBm/100KHz	-38.52	-36
Vnom	923.7 Mhz ~ 930 MHz	Unwanted Emission Frequency	MHz	923.72	Pass
			dBm/100KHz	-38.82	-36
Vnom	930 MHz~ 1000 MHz	Unwanted Emission Frequency	MHz	933.69	Pass
			dBm/100KHz	-57.53	-55
Vnom	1000 MHz~ 1215 MHz	Unwanted Emission Frequency	MHz	1003.12	Pass
			dBm/1MHz	-60.54	-45
Vnom	1.215 GHz~ 10 GHz	Unwanted Emission Frequency	MHz	7386.46	Pass
			dBm/1MHz	-44.63	-30

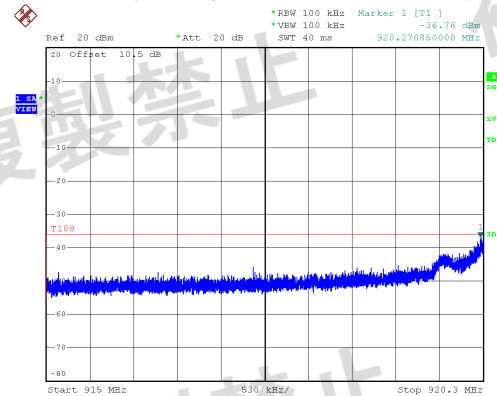


Frequency Range: 920.7Hz-1



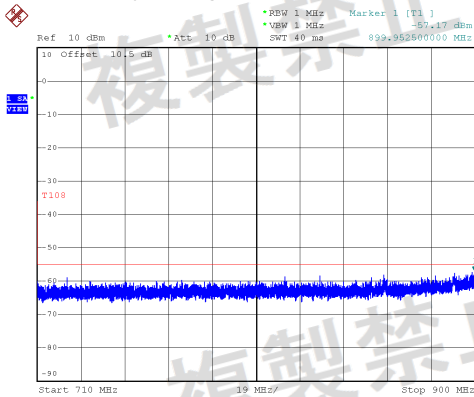
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Frequency Range: 920.7MHz-4



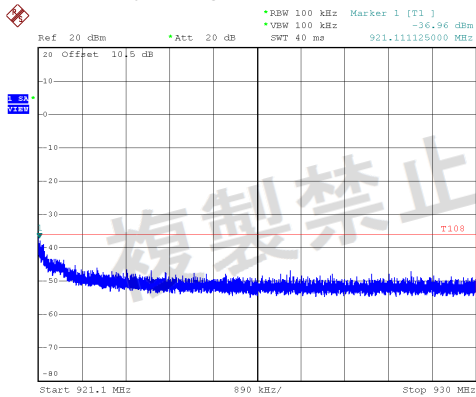
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Frequency Range: 920.7MHz-2



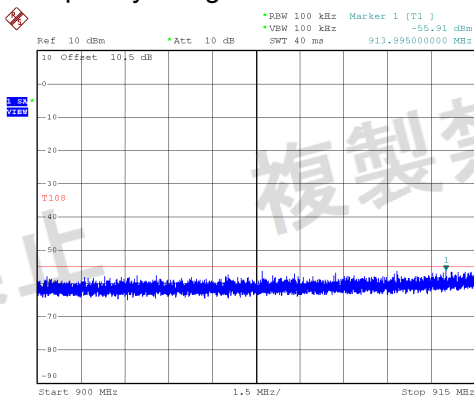
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Frequency Range: 920.7MHz-5



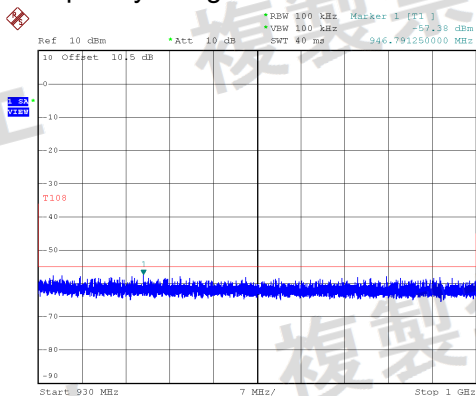
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Frequency Range: 920.7MHz-3



Date: 22.OCT.2025 10:04:16

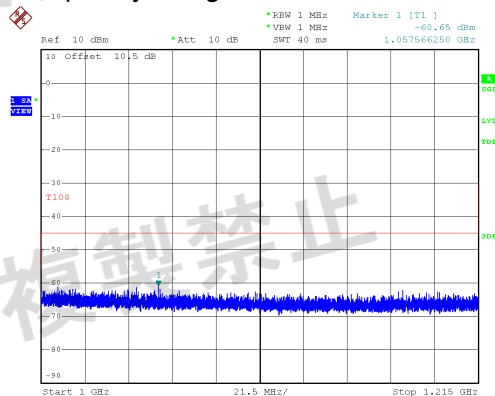
Frequency Range: 920.7MHz-6



Date: 22.OCT.2025 10:25:54

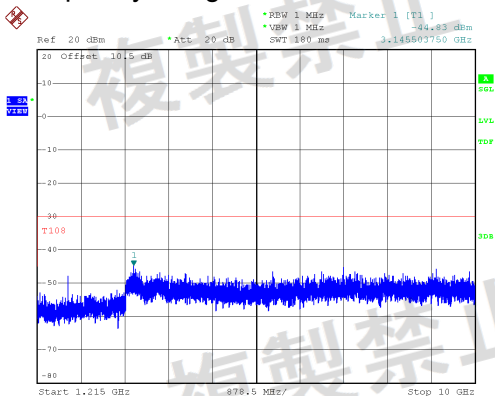


Frequency Range: 920.7MHz-7



Date: 22.OCT.2025 10:06:47

Frequency Range: 920.7MHz-8



Date: 22.OCT.2025 10:07:23



Frequency Range: 921.9MHz-1



Frequency Range: 921.9MHz-4



Frequency Range: 921.9MHz-2



Frequency Range: 921.9MHz-5



Frequency Range: 921.9MHz-3

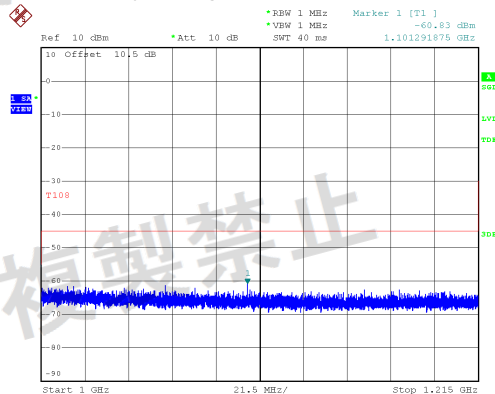


Frequency Range: 921.9MHz-6



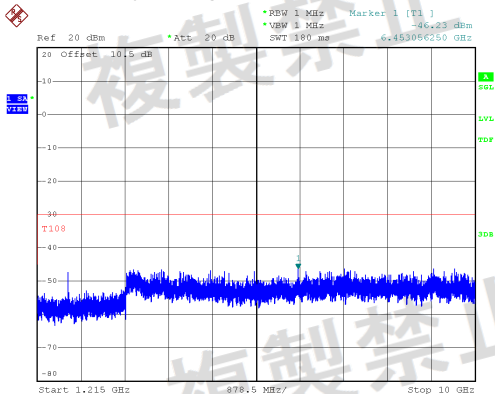


Frequency Range: 921.9MHz-7



Date: 22.OCT.2025 10:13:53

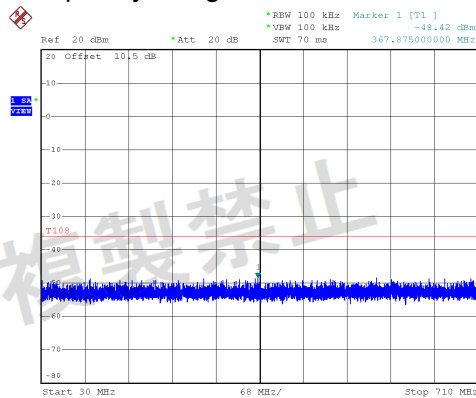
Frequency Range: 921.9MHz-8



Date: 22.OCT.2025 10:14:29

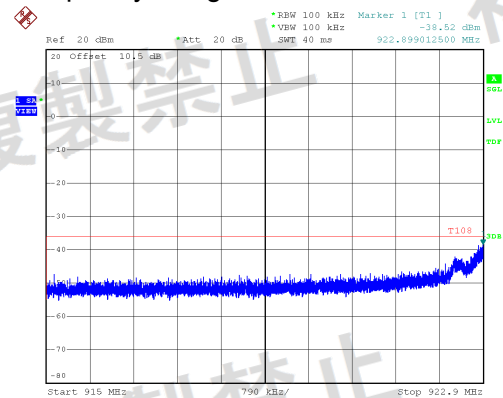


Frequency Range: 923.3MHz-1



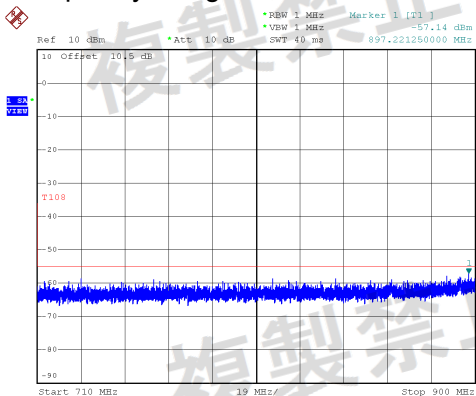
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Frequency Range: 923.3MHz-4



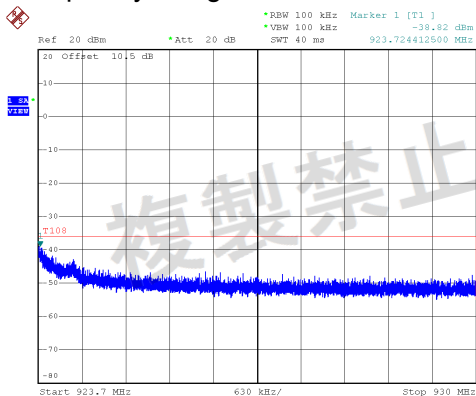
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Frequency Range: 923.3MHz-2



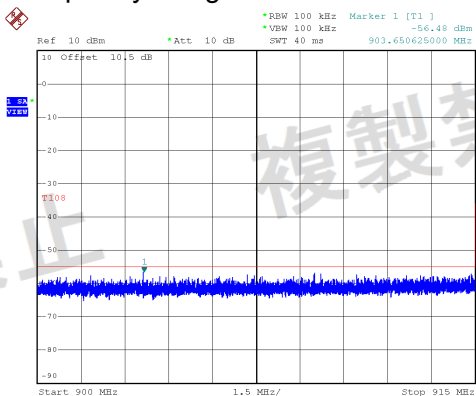
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Frequency Range: 923.3MHz-5



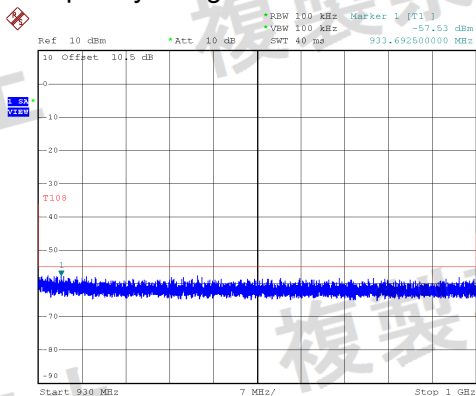
Date: 22.OCT.2025 10:20:45

Frequency Range: 923.3MHz-3



Date: 22.OCT.2025 10:19:33

Frequency Range: 923.3MHz-6



Date: 22.OCT.2025 10:22:26



Frequency Range: 923.3MHz-7



Frequency Range: 923.3MHz-8





4.4 Adjacent channel leakage power

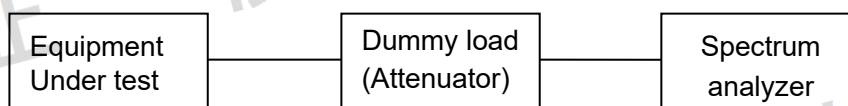
4.4.1 Test Limit

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





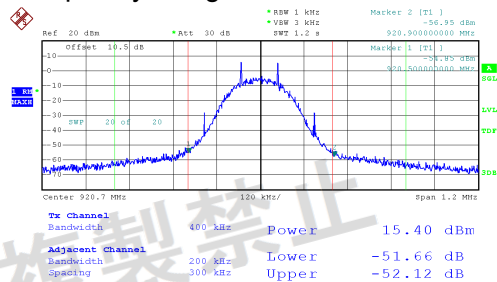
4.4.4 Test Result and Data

Test Conditions										
Voltage	Adjacent Channel Leakage Power	Test Frequency (Mhz)	TX Channel Power (dBm)	Leakage power		Leakage power		Leakage power Limit		Pass/Fail
				Lower(dB)	Upper(dB)	Lower(dBm)	Upper(dBm)	Lower(dBm)	Upper(dBm)	
Vnom		920.7	15.40	-51.66	-52.12	-36.26	-36.72	-15.00	-15.00	Pass
		921.9	15.70	-52.17	-52.58	-36.47	-36.88	-15.00	-15.00	Pass
		923.3	15.70	-52.47	-52.55	-36.77	-36.85	-15.00	-15.00	Pass

Test Conditions							
Voltage	Adjacent Channel Leakage Power	Test Frequency (Mhz)	Spectral power at the edge		Spectral power at the edge Limit		Pass/Fail
			Lower(dBm)	Upper(dBm)	Lower(dBm)	Upper(dBm)	
Vnom		920.7	-54.85	-56.95	-7.00	-7.00	Pass
		921.9	-54.29	-54.92	-7.00	-7.00	Pass
		923.3	-55.14	-53.2	-7.00	-7.00	Pass

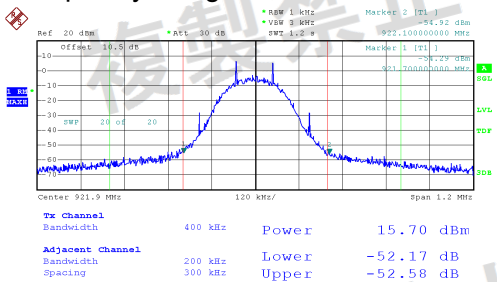


Frequency Range: 920.7MHz



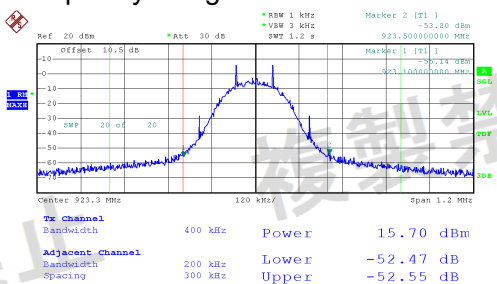
Date: 25.NOV.2025 14:11:32

Frequency Range: 921.9MHz



Date: 25.NOV.2025 14:13:02

Frequency Range: 923.3MHz



Date: 25.NOV.2025 14:15:25



4.5 Antenna Power

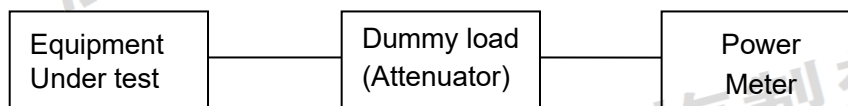
4.5.1 Test Limit

	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	921.9	923.3
Vnom	E.I.R.P	dBm	11.99	11.97	11.94
Vnom	Antenna Power	mW	19.907	19.815	19.679
Vnom	Antenna Power Error	%	0.00	-0.46	-1.14



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 : 8C:1F:64:FF:FE:2D:60:01
Result : PASS	



5. Receiver Parameters

5.1 Receiver Secondary Radiated Emissions

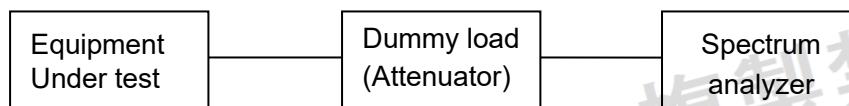
5.1.1 Test Limit

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



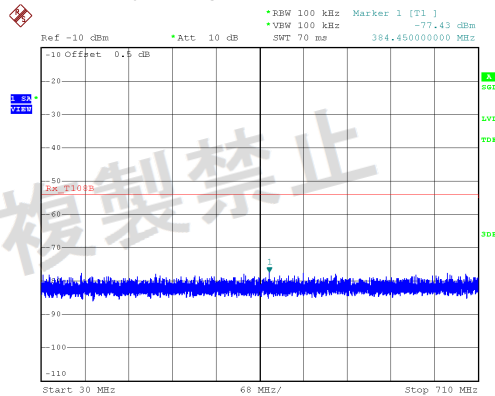


5.1.4 Test Result and Data

Test Conditions						
Voltage	Frequency Band	Test Frequency	MHz	920.7	921.9	923.3
Vnom	30 MHz~ 710 MHz	Unwanted Emission Frequency	MHz	384.45	36.38	657.73
			dBm/100KHz	-77.43	-77.00	-76.80
Vnom	710 MHz~ 900 MHz	Unwanted Emission Frequency	MHz	783.15	837.66	861.67
			dBm/1MHz	-72.45	-73.00	-72.07
Vnom	900 MHz~ 915 MHz	Unwanted Emission Frequency	MHz	900.66	901.80	909.57
			dBm/100KHz	-77.09	-75.94	-77.18
Vnom	915 MHz~ 930 MHz	Unwanted Emission Frequency	MHz	922.55	922.61	929.00
			dBm/100KHz	-76.54	-76.07	-76.38
Vnom	930 MHz~ 1000 MHz	Unwanted Emission Frequency	MHz	942.96	972.57	983.98
			dBm/100KHz	-76.74	-76.73	-76.43
Vnom	1 GHz~ 10 GHz	Unwanted Emission Frequency	MHz	3082.38	3284.88	2451.25
			dBm/1MHz	-66.19	-64.83	-62.95

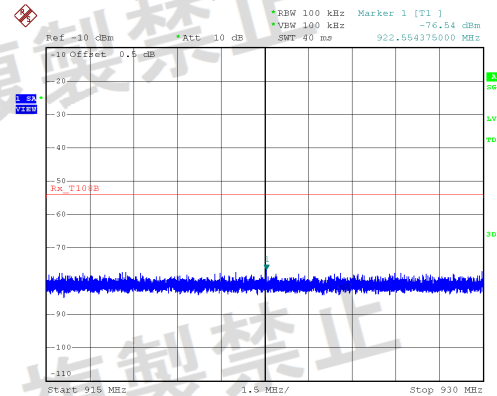


Frequency Range: 920.7Hz-1



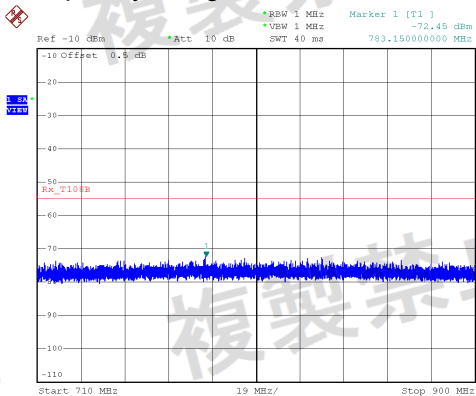
Date: 22.OCT.2025 10:29:32

Frequency Range: 920.7MHz-4



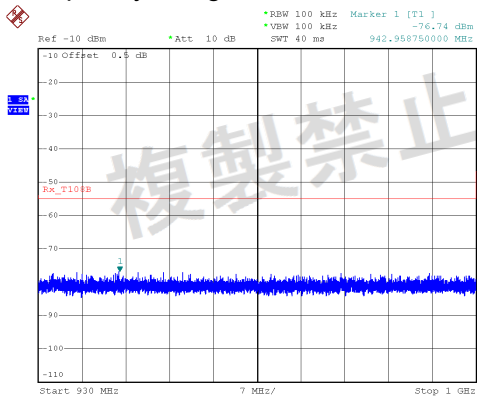
Date: 22.OCT.2025 10:31:52

Frequency Range: 920.7MHz-2



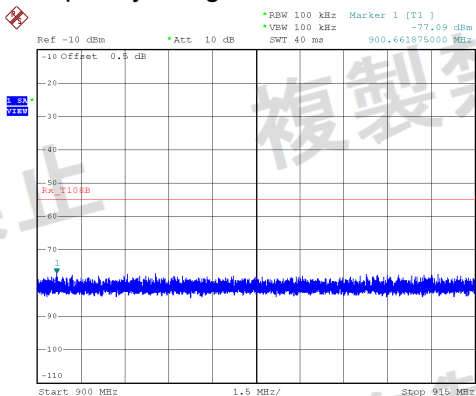
Date: 22.OCT.2025 10:30:08

Frequency Range: 920.7MHz-5



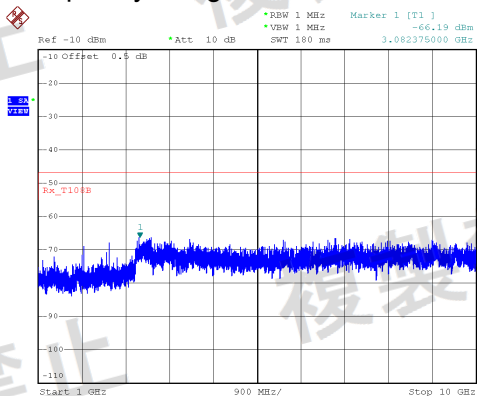
Date: 22.OCT.2025 10:32:29

Frequency Range: 920.7MHz-3



Date: 22.OCT.2025 10:30:44

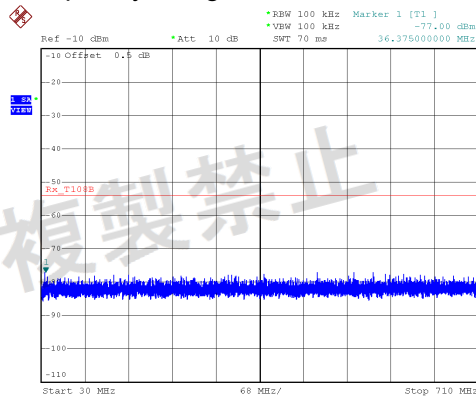
Frequency Range: 920.7MHz-6



Date: 22.OCT.2025 10:33:05

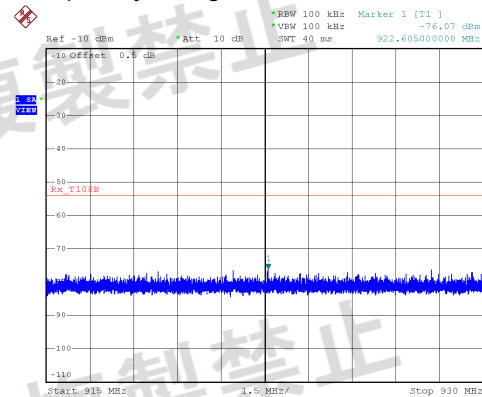


Frequency Range: 921.9MHz-1



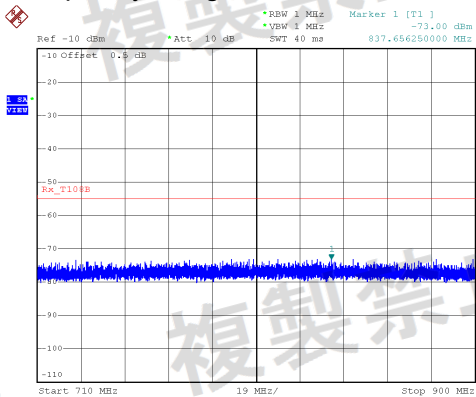
Date: 22.OCT.2025 10:35:30

Frequency Range: 921.9MHz-4



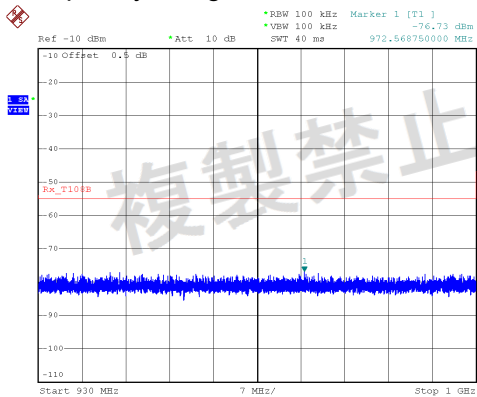
Date: 22.OCT.2025 10:37:19

Frequency Range: 921.9MHz-2



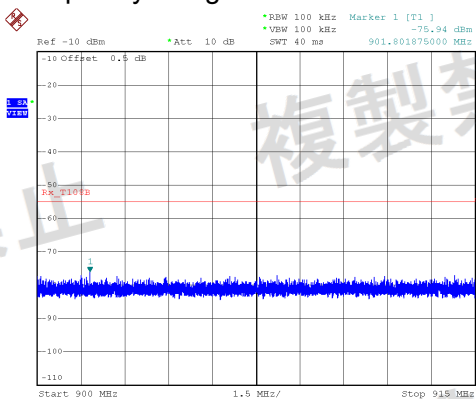
Date: 22.OCT.2025 10:36:07

Frequency Range: 921.9MHz-5



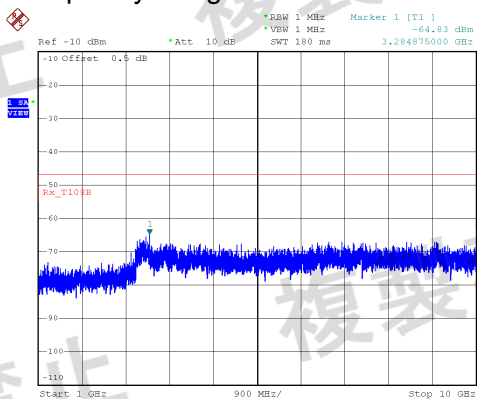
Date: 22.OCT.2025 10:37:55

Frequency Range: 921.9MHz-3



Date: 22.OCT.2025 10:36:43

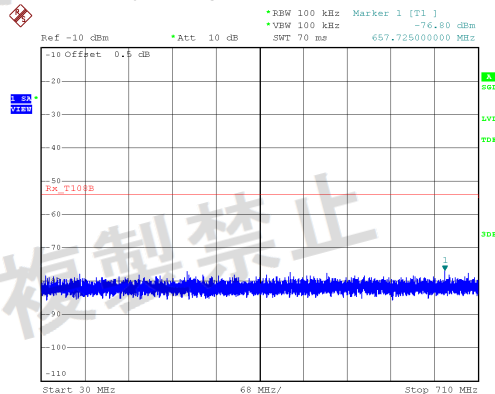
Frequency Range: 921.9MHz-6



Date: 22.OCT.2025 10:38:32

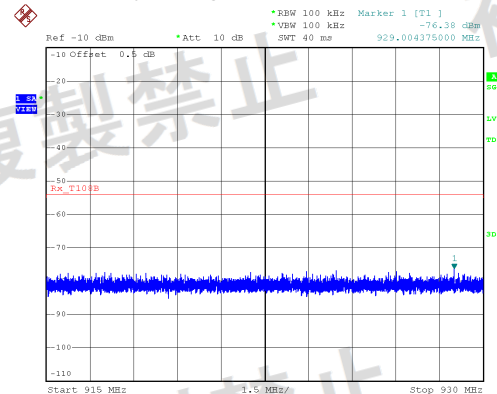


Frequency Range: 923.3MHz-1



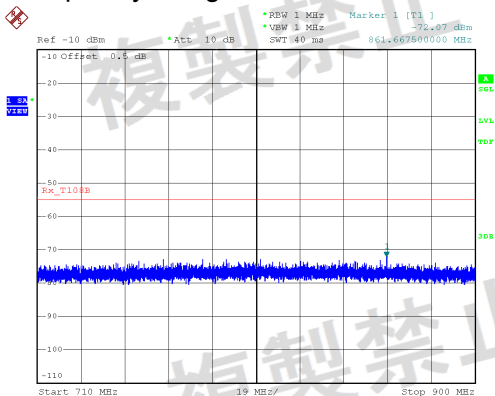
Date: 22.OCT.2025 10:40:28

Frequency Range: 923.3MHz-4



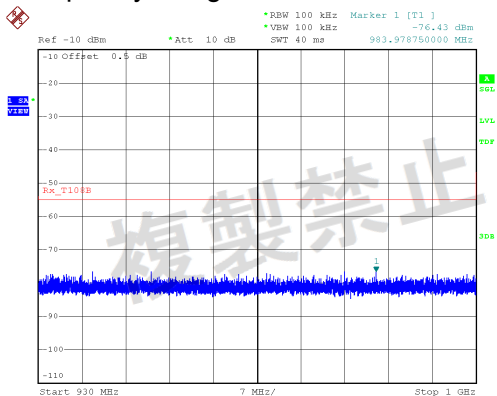
Date: 22.OCT.2025 10:42:17

Frequency Range: 923.3MHz-2



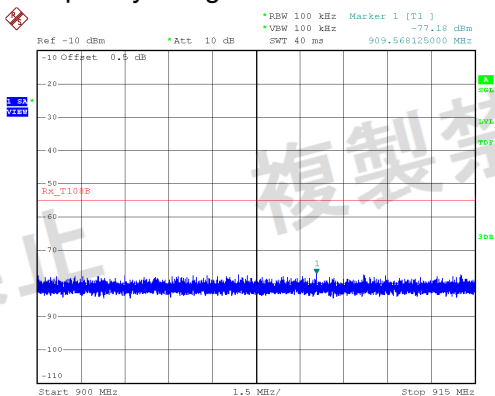
Date: 22.OCT.2025 10:41:04

Frequency Range: 923.3MHz-5



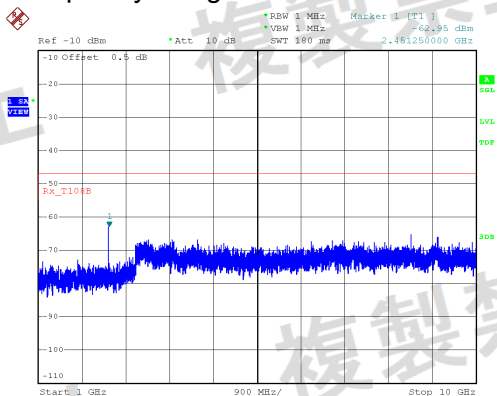
Date: 22.OCT.2025 10:42:54

Frequency Range: 923.3MHz-3



Date: 22.OCT.2025 10:41:40

Frequency Range: 923.3MHz-6



Date: 22.OCT.2025 10:43:30



5.2 Carrier sense Function & Transmission time control

5.2.1 Test Limit

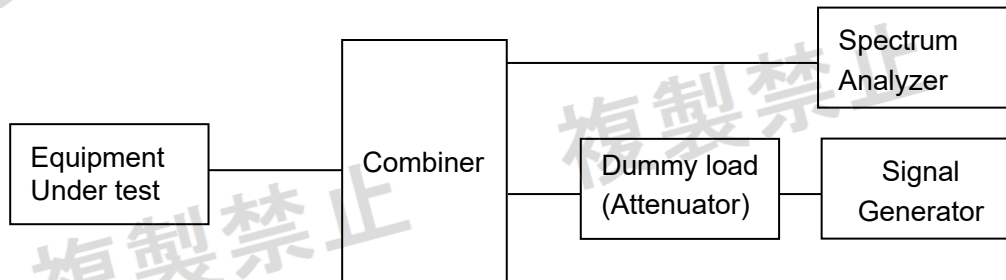
Antenna power	Applied CH number	Unit CH bandwidth	CH used in a bundle	Carrier sense time	Sending duration	Pause duration	The sum of emission time per arbitrary one hour
1mW or less	1-5 33-61	200kHz	1~5ch	None	100ms or less	100ms	3.6sec or less
	62-77	100kHz			50ms or less	50ms	None
20mW or less	24-32		1~5ch /6-9ch	5ms or more	4s	50ms	None
	33-38		1-5ch /6ch				
	33-61	200kHz	1ch	128μs or more	More than 200ms, and 400ms or less	Ten times or more of the Former sending time or 2ms	360sec or less
					More than 6ms, and 200ms or less	2ms	
					6ms or less	None	
			2ch		More than 3ms, and 200ms or less	2ms	
					3ms or less	None	
			3~5ch /6-20ch		More than 2ms, and 100ms or less	2ms	
	2ms or less	None					

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

Frequency (MHz)	Carrier Sensing time (ms)	limit (ms)	Pass/Fail
920.7	36	5	Pass
921.9	48	5	Pass
923.3	48	5	Pass

feeder input level: -80 dBm

Frequency (MHz)	Sending duration (ms)	Pause duration (ms)	Limit of Sending duration (ms)	Limit of Pause duration (ms)
920.7	20.57	101.7	4000	50
921.9	20.58	102.3	4000	50
923.3	20.62	102.7	4000	50



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	3.315	3.308
Voltage Variation (%)	-	0.12%	-0.09%
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-----