

Dynascan Technology Corp.

TEST REPORT

Model:

68301,68303

REPORT NUMBER

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Radio Spectrum TEST REPORT

Applicant:	Dynascan Technology Corp. 6F., No. 88, Wenmao Rd., Guishan Dist., Taoyuan City 333001, Taiwan
Product:	EPAPER DISPLAY
Model No.:	68301,68303
Test Standard:	ARIB STD-T71 Ver 7.0
Test By:	Intertek Testing Services Taiwan Ltd., Hsinchu Laboratory No. 17, Ln. 246, Niupu S. Rd., Xiangshan Dist, Hsinchu City 300075, Taiwan

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Revision History

Report No.	Issue Date	Revision Summary
251200032THC-001	May 06, 2026	Original report

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1. General Information

1.1 Identification of the EUT

Product:	EPAPER DISPLAY
Model No.:	68301
Operating Frequency:	1. 5180 MHz ~ 5240 MHz 2. 5260 MHz ~ 5320 MHz 3. 5500 MHz ~ 5700 MHz
Channel Number:	1. 7 channels for 5180MHz ~ 5240MHz 2. 7 channels for 5260MHz ~ 5320MHz 3. 18 channels for 5500MHz ~ 5700MHz
Rating:	DC 5V from USB-C Charger
Sample receiving date:	2025/12/02
Sample condition:	Workable
Test Date(s):	2026/03/16 ~ 2026/04/14

1.2 Additional information about the EUT

The customer confirmed the models listed as below were series model to model 68301 (EUT), the difference between main model and series model are listed as below.

Model Number	Protective Glass
68301	V
68303	X

1.3 Adapter information

The EUT will be supplied with a power supply from below list:

No.	Model no.	Specification
USB-C Charger	A1C030AC	I/P: 100-240V~ 50/60Hz, 1.2A O/P: 5.0V=3.0A 15.0W/ 9.0V=3.0A 27.0W/ 12.0V=2.5A 30.0W/ 15.0V=2.0A 30.0W/ 20.0V=1.5A 30.0W

1.4 Rated power declaration

Technology	Rated Conducted Power (mW/MHz)
Wi-Fi 5GHz	1.57

1.5 Antenna description

Antenna 1

Antenna Gain: 2.72dBi
Antenna Type: FPC Antenna
Connector Type: I-Pex

Antenna 2

Antenna Gain: 2.72dBi
Antenna Type: FPC Antenna
Connector Type: I-Pex

Remark: Antenna information provided by the client.

1.6 Assemble

The radio facility should be enclosed in one chassis which is not easily opened. However, an exception applies where the HPHPT prescribes otherwise

☐	Sealed with special screws.
☐	Plastic chassis is being welded using ultrasonic waves.
☐	Chassis is glued using a special adhesive.
☐	Metal covers are spot-fused.
☐	Cover is specially interlocked.
☒	RF and Modulation components are covered with shielding case and this shielding case is soldered.
☐	Shield case is welded at RF and modulation parts, and ID-ROM is welded using the BGA Method.
☒	Shield case is welded at RF and modulation parts, and ID-ROM is glued at its lead with a special adhesive.
☐	Shield case is welded at RF and modulation parts, and ID-ROM is glued with a non-transparent laminating agent.
☐	Other: Applicant hereby declares that the structure of the high frequency and modulation part of the radio, except antenna system in the applying device is designed not to be tampered with or modify by the end user.
☐	other

1.7 Voltage fluctuation:

It has been confirmed that the fluctuation of the input voltage to the circuit of the RF circuit when the input voltage from an external power supply to the EUT fluctuates by $\pm 10\%$ is within $\pm 1\%$, measurement could be performed only for the rated voltage.

EUT input Voltage	RF circuit Voltage	Deviation
100Vac	DC 3.27V	
AC 110V(+10%)	DC 3.27V	0%
AC 90V(-10%)	DC 3.27V	0%

2. Test Summary

For W52

Test items	Mode	Data Rate (Mbps)	Channel	Antenna	Result
Frequency Tolerance	Single Tone	N/A	36 / 38 / 42 / 44 / 46 / 48	Chain0/1	Pass
Antenna Power	802.11a	6	36 / 44 / 48	Chain0+1	Pass
	802.11ac(VHT20)	6.5	36 / 44 / 48	Chain0+1	
	802.11ac(VHT40)	13.5	38 / 46	Chain0+1	
	802.11ac(VHT80)	29.3	42	Chain0+1	
	802.11ax(HE20)	6.5	36 / 44 / 48	Chain0+1	
	802.11ax(HE40)	13.5	38 / 46	Chain0+1	
	802.11ax(HE80)	29.3	42	Chain0+1	
EIRP	802.11a	6	36 / 44 / 48	Chain0+1	Pass
	802.11ac(VHT20)	6.5	36 / 44 / 48	Chain0+1	
	802.11ac(VHT40)	13.5	38 / 46	Chain0+1	
	802.11ac(VHT80)	29.3	42	Chain0+1	
	802.11ax(HE20)	6.5	36 / 44 / 48	Chain0+1	
	802.11ax(HE40)	13.5	38 / 46	Chain0+1	
	802.11ax(HE80)	29.3	42	Chain0+1	
Spurious Emission Intensity	802.11a	6	36 / 44 / 48	Chain0/1	Pass
	802.11ac(VHT20)	6.5	36 / 44 / 48	Chain0/1	
	802.11ac(VHT40)	13.5	38 / 46	Chain0/1	
	802.11ac(VHT80)	29.3	42	Chain0/1	
	802.11ax(HE20)	6.5	36 / 44 / 48	Chain0/1	
	802.11ax(HE40)	13.5	38 / 46	Chain0/1	
	802.11ax(HE80)	29.3	42	Chain0/1	
Secondary Radiated Emissions	802.11a	6	36 / 44 / 48	Chain0/1	Pass
	802.11ac(VHT20)	6.5	36 / 44 / 48	Chain0/1	
	802.11ac(VHT40)	13.5	38 / 46	Chain0/1	
	802.11ac(VHT80)	29.3	42	Chain0/1	
	802.11ax(HE20)	6.5	36 / 44 / 48	Chain0/1	
	802.11ax(HE40)	13.5	38 / 46	Chain0/1	
	802.11ax(HE80)	29.3	42	Chain0/1	
Occupied Bandwidth	802.11a	6	36 / 44 / 48	Chain0/1	Pass
	802.11ac(VHT20)	6.5	36 / 44 / 48	Chain0/1	
	802.11ac(VHT40)	13.5	38 / 46	Chain0/1	
	802.11ac(VHT80)	29.3	42	Chain0/1	
	802.11ax(HE20)	6.5	36 / 44 / 48	Chain0/1	
	802.11ax(HE40)	13.5	38 / 46	Chain0/1	
	802.11ax(HE80)	29.3	42	Chain0/1	

Test items	Mode	Data Rate (Mbps)	Channel	Antenna	Result
Out-Band Leakage Power	802.11a	6	36 / 44 / 48	Chain0/1	Pass
	802.11ac(VHT20)	6.5	36 / 44 / 48	Chain0/1	
	802.11ac(VHT40)	13.5	38 / 46	Chain0/1	
	802.11ac(VHT80)	29.3	42	Chain0/1	
	802.11ax(HE20)	6.5	36 / 44 / 48	Chain0/1	
	802.11ax(HE40)	13.5	38 / 46	Chain0/1	
	802.11ax(HE80)	29.3	42	Chain0/1	
Adjacent Channel Emitted Power	802.11a	6	36 / 44 / 48	Chain0/1	Pass
	802.11ac(VHT20)	6.5	36 / 44 / 48	Chain0/1	
	802.11ac(VHT40)	13.5	38 / 46	Chain0/1	
	802.11ac(VHT80)	29.3	42	Chain0/1	
	802.11ax(HE20)	6.5	36 / 44 / 48	Chain0/1	
	802.11ax(HE40)	13.5	38 / 46	Chain0/1	
	802.11ax(HE80)	29.3	42	Chain0/1	
Transmitter Burst Length	802.11a	6	36 / 44 / 48	Chain0/1	Pass
	802.11ac(VHT20)	6.5	36 / 44 / 48	Chain0/1	
	802.11ac(VHT40)	13.5	38 / 46	Chain0/1	
	802.11ac(VHT80)	29.3	42	Chain0/1	
	802.11ax(HE20)	6.5	36 / 44 / 48	Chain0/1	
	802.11ax(HE40)	13.5	38 / 46	Chain0/1	
	802.11ax(HE80)	29.3	42	Chain0/1	
Carrier Sense	802.11ax(HE20)	6.5	36 / 44 / 48	Chain0+1	Pass
	802.11ax(HE40)	13.5	38 / 46	Chain0+1	
	802.11ax(HE80)	29.3	42	Chain0+1	
Interference Prevention	Normal Link			Chain0+1	Pass

Note: Please note that the test results with statement of conformity, the decision rules which are based on: Safety Testing: the specification, standard or IEC Guide 115.

Other Testing: the specification, standard and not taking into account the measurement uncertainty.

For W53

Test items	Mode	Data Rate (Mbps)	Channel	Antenna	Result
Frequency Tolerance	Single Tone	N/A	52 / 54 / 58 / 60 / 62 / 64	Chain0/1	Pass
Antenna Power	802.11a	6	52 / 60 / 64	Chain0+1	Pass
	802.11ac(VHT20)	6.5	52 / 60 / 64	Chain0+1	
	802.11ac(VHT40)	13.5	54 / 62	Chain0+1	
	802.11ac(VHT80)	29.3	58	Chain0+1	
	802.11ax(HE20)	6.5	52 / 60 / 64	Chain0+1	
	802.11ax(HE40)	13.5	54 / 62	Chain0+1	
	802.11ax(HE80)	29.3	58	Chain0+1	
EIRP	802.11a	6	52 / 60 / 64	Chain0+1	Pass
	802.11ac(VHT20)	6.5	52 / 60 / 64	Chain0+1	
	802.11ac(VHT40)	13.5	54 / 62	Chain0+1	
	802.11ac(VHT80)	29.3	58	Chain0+1	
	802.11ax(HE20)	6.5	52 / 60 / 64	Chain0+1	
	802.11ax(HE40)	13.5	54 / 62	Chain0+1	
	802.11ax(HE80)	29.3	58	Chain0+1	
Spurious Emission Intensity	802.11a	6	52 / 60 / 64	Chain0/1	Pass
	802.11ac(VHT20)	6.5	52 / 60 / 64	Chain0/1	
	802.11ac(VHT40)	13.5	54 / 62	Chain0/1	
	802.11ac(VHT80)	29.3	58	Chain0/1	
	802.11ax(HE20)	6.5	52 / 60 / 64	Chain0/1	
	802.11ax(HE40)	13.5	54 / 62	Chain0/1	
	802.11ax(HE80)	29.3	58	Chain0/1	
Secondary Radiated Emissions	802.11a	6	52 / 60 / 64	Chain0/1	Pass
	802.11ac(VHT20)	6.5	52 / 60 / 64	Chain0/1	
	802.11ac(VHT40)	13.5	54 / 62	Chain0/1	
	802.11ac(VHT80)	29.3	58	Chain0/1	
	802.11ax(HE20)	6.5	52 / 60 / 64	Chain0/1	
	802.11ax(HE40)	13.5	54 / 62	Chain0/1	
	802.11ax(HE80)	29.3	58	Chain0/1	
Occupied Bandwidth	802.11a	6	52 / 60 / 64	Chain0/1	Pass
	802.11ac(VHT20)	6.5	52 / 60 / 64	Chain0/1	
	802.11ac(VHT40)	13.5	54 / 62	Chain0/1	
	802.11ac(VHT80)	29.3	58	Chain0/1	
	802.11ax(HE20)	6.5	52 / 60 / 64	Chain0/1	
	802.11ax(HE40)	13.5	54 / 62	Chain0/1	
	802.11ax(HE80)	29.3	58	Chain0/1	

Test items	Mode	Data Rate (Mbps)	Channel	Antenna	Result
Out-Band Leakage Power	802.11a	6	52 / 60 / 64	Chain0/1	Pass
	802.11ac(VHT20)	6.5	52 / 60 / 64	Chain0/1	
	802.11ac(VHT40)	13.5	54 / 62	Chain0/1	
	802.11ac(VHT80)	29.3	58	Chain0/1	
	802.11ax(HE20)	6.5	52 / 60 / 64	Chain0/1	
	802.11ax(HE40)	13.5	54 / 62	Chain0/1	
	802.11ax(HE80)	29.3	58	Chain0/1	
Adjacent Channel Emitted Power	802.11a	6	52 / 60 / 64	Chain0/1	Pass
	802.11ac(VHT20)	6.5	52 / 60 / 64	Chain0/1	
	802.11ac(VHT40)	13.5	54 / 62	Chain0/1	
	802.11ac(VHT80)	29.3	58	Chain0/1	
	802.11ax(HE20)	6.5	52 / 60 / 64	Chain0/1	
	802.11ax(HE40)	13.5	54 / 62	Chain0/1	
	802.11ax(HE80)	29.3	58	Chain0/1	
Transmitter Burst Length	802.11a	6	52 / 60 / 64	Chain0/1	Pass
	802.11ac(VHT20)	6.5	52 / 60 / 64	Chain0/1	
	802.11ac(VHT40)	13.5	54 / 62	Chain0/1	
	802.11ac(VHT80)	29.3	58	Chain0/1	
	802.11ax(HE20)	6.5	52 / 60 / 64	Chain0/1	
	802.11ax(HE40)	13.5	54 / 62	Chain0/1	
	802.11ax(HE80)	29.3	58	Chain0/1	
Carrier Sense	802.11ax(HE20)	6.5	52 / 60 / 64	Chain0+1	Pass
	802.11ax(HE40)	13.5	54 / 62	Chain0+1	
	802.11ax(HE80)	29.3	58	Chain0+1	
Interference Prevention	Normal Link			Chain0+1	Pass

Note: Please note that the test results with statement of conformity, the decision rules which are based on: Safety Testing: the specification, standard or IEC Guide 115.

Other Testing: the specification, standard and not taking into account the measurement uncertainty.

For W56

Test items	Mode	Data Rate (Mbps)	Channel	Antenna	Result
Frequency Tolerance	Single Tone	N/A	100 / 102 / 106 / 118 / 120 / 122 / 134 / 140	Chain0/1	Pass
Antenna Power	802.11a	6	100 / 120 / 140	Chain0+1	Pass
	802.11ac(VHT20)	6.5	100 / 120 / 140	Chain0+1	
	802.11ac(VHT40)	13.5	102 / 118 / 134	Chain0+1	
	802.11ac(VHT80)	29.3	106 / 122	Chain0+1	
	802.11ax(HE20)	6.5	100 / 120 / 140	Chain0+1	
	802.11ax(HE40)	13.5	102 / 118 / 134	Chain0+1	
	802.11ax(HE80)	29.3	106 / 122	Chain0+1	
EIRP	802.11a	6	100 / 120 / 140	Chain0+1	Pass
	802.11ac(VHT20)	6.5	100 / 120 / 140	Chain0+1	
	802.11ac(VHT40)	13.5	102 / 118 / 134	Chain0+1	
	802.11ac(VHT80)	29.3	106 / 122	Chain0+1	
	802.11ax(HE20)	6.5	100 / 120 / 140	Chain0+1	
	802.11ax(HE40)	13.5	102 / 118 / 134	Chain0+1	
	802.11ax(HE80)	29.3	106 / 122	Chain0+1	
Spurious Emission Intensity	802.11a	6	100 / 120 / 140	Chain0/1	Pass
	802.11ac(VHT20)	6.5	100 / 120 / 140	Chain0/1	
	802.11ac(VHT40)	13.5	102 / 118 / 134	Chain0/1	
	802.11ac(VHT80)	29.3	106 / 122	Chain0/1	
	802.11ax(HE20)	6.5	100 / 120 / 140	Chain0/1	
	802.11ax(HE40)	13.5	102 / 118 / 134	Chain0/1	
	802.11ax(HE80)	29.3	106 / 122	Chain0/1	
Secondary Radiated Emissions	802.11a	6	100 / 120 / 140	Chain0/1	Pass
	802.11ac(VHT20)	6.5	100 / 120 / 140	Chain0/1	
	802.11ac(VHT40)	13.5	102 / 118 / 134	Chain0/1	
	802.11ac(VHT80)	29.3	106 / 122	Chain0/1	
	802.11ax(HE20)	6.5	100 / 120 / 140	Chain0/1	
	802.11ax(HE40)	13.5	102 / 118 / 134	Chain0/1	
	802.11ax(HE80)	29.3	106 / 122	Chain0/1	
Occupied Bandwidth	802.11a	6	100 / 120 / 140	Chain0/1	Pass
	802.11ac(VHT20)	6.5	100 / 120 / 140	Chain0/1	
	802.11ac(VHT40)	13.5	102 / 118 / 134	Chain0/1	
	802.11ac(VHT80)	29.3	106 / 122	Chain0/1	
	802.11ax(HE20)	6.5	100 / 120 / 140	Chain0/1	
	802.11ax(HE40)	13.5	102 / 118 / 134	Chain0/1	
	802.11ax(HE80)	29.3	106 / 122	Chain0/1	

Test items	Mode	Data Rate (Mbps)	Channel	Antenna	Result
Out-Band Leakage Power	802.11a	6	100 / 120 / 140	Chain0/1	Pass
	802.11ac(VHT20)	6.5	100 / 120 / 140	Chain0/1	
	802.11ac(VHT40)	13.5	102 / 118 / 134	Chain0/1	
	802.11ac(VHT80)	29.3	106 / 122	Chain0/1	
	802.11ax(HE20)	6.5	100 / 120 / 140	Chain0/1	
	802.11ax(HE40)	13.5	102 / 118 / 134	Chain0/1	
	802.11ax(HE80)	29.3	106 / 122	Chain0/1	
Adjacent Channel Emitted Power	802.11a	6	100 / 120 / 140	Chain0/1	Pass
	802.11ac(VHT20)	6.5	100 / 120 / 140	Chain0/1	
	802.11ac(VHT40)	13.5	102 / 118 / 134	Chain0/1	
	802.11ac(VHT80)	29.3	106 / 122	Chain0/1	
	802.11ax(HE20)	6.5	100 / 120 / 140	Chain0/1	
	802.11ax(HE40)	13.5	102 / 118 / 134	Chain0/1	
	802.11ax(HE80)	29.3	106 / 122	Chain0/1	
Transmitter Burst Length	802.11a	6	100 / 120 / 140	Chain0/1	Pass
	802.11ac(VHT20)	6.5	100 / 120 / 140	Chain0/1	
	802.11ac(VHT40)	13.5	102 / 118 / 134	Chain0/1	
	802.11ac(VHT80)	29.3	106 / 122	Chain0/1	
	802.11ax(HE20)	6.5	100 / 120 / 140	Chain0/1	
	802.11ax(HE40)	13.5	102 / 118 / 134	Chain0/1	
	802.11ax(HE80)	29.3	106 / 122	Chain0/1	
Carrier Sense	802.11ax(HE20)	6.5	100 / 120 / 140	Chain0+1	Pass
	802.11ax(HE40)	13.5	102 / 118 / 134	Chain0+1	
	802.11ax(HE80)	29.3	106 / 122	Chain0+1	
Interference Prevention	Normal Link			Chain0+1	Pass

Note: Please note that the test results with statement of conformity, the decision rules which are based on: Safety Testing: the specification, standard or IEC Guide 115.

Other Testing: the specification, standard and not taking into account the measurement uncertainty.

3. Test Specifications

3.1 Standards

Radio equipment stipulated in the certification ordinance Article 2 Paragraph 1 of Item 19-3

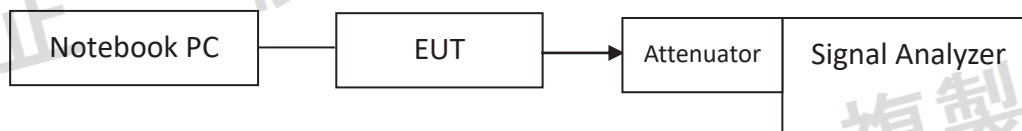
3.2 Mode of operation during the test

- (1) Connected to Notebook PC via USB Cable , executing 「 CMD 」 and enter Commands to select different frequency and modulation.
- (2) With individual verifying, the maximum output power were found out 6 Mbps data rate for 802.11a mode, 6.5 Mbps data rate for 802.11ac(VHT20) mode, 13.5 Mbps data rate for 802.11ac(VHT40) mode, 29.3 Mbps data rate for 802.11ac(VHT80) mode, MCS0 data rate for 802.11ax(HE20) mode, MCS0 data rate for 802.11ax(HE40) mode , MCS0 data rate for 802.11ax(HE80) mode, the final tests were executed under these conditions recorded in this report individually.

3.3 Peripherals equipment

Peripherals	Brand	Model No.	Serial No.	Description of Data Cable
Notebook PC	HP	HP ProBook 440 G3	5CD8021S9H	Type-C Cable 1.5m
Router	ASUS	RT-AX88U Pro	R2IG6800458249F	N/A

3.4 Test Set-up



4. Frequency Tolerance

4.1 Limit of Frequency Tolerance

Frequency Tolerance shall be $\pm 20\text{ppm}$.

4.2 Test method

Test method: Article 2 Paragraph 1 of Item 19-3

1. Set spectrum analyzer as below

Frequency=Test Frequency

Span=1MHz

RBW=10kHz

VBW=RBW

Detector=Peak

Sweep time=Auto

Trace=Maxhold

2. Use peak search function to find the max value and record it.

4.3 Test Result for Frequency Tolerance

Date	2026/03/16
Temperature (°C)	21
Humidity (%)	68

For W52

Test Voltage				
100Vac/ 50Hz				
Channel	Frequency (MHz)	Chain 0		Limit (PPM)
		Carrier Frequency (MHz)	Frequency Deviation (PPM)	
36	5180	5179.99	-1.74	±20
38	5190	5190.00	-0.96	±20
42	5210	5209.99	-1.53	±20
44	5220	5219.99	-2.49	±20
46	5230	5229.99	-2.67	±20
48	5240	5239.98	-4.58	±20
Test Voltage				
100Vac/ 50Hz				
Channel	Frequency (MHz)	Chain 1		Limit (PPM)
		Carrier Frequency (MHz)	Frequency Deviation (PPM)	
36	5180	5179.99	-1.16	±20
38	5190	5190.00	-0.77	±20
42	5210	5209.99	-2.88	±20
44	5220	5219.99	-2.49	±20
46	5230	5229.99	-2.29	±20
48	5240	5239.99	-2.86	±20

For W53

Test Voltage				
100Vac/ 50Hz				
Channel	Frequency (MHz)	Chain 0		Limit (PPM)
		Carrier Frequency (MHz)	Frequency Deviation (PPM)	
52	5260	5259.98	-4.75	±20
54	5270	5269.99	-2.84	±20
58	5290	5289.99	-2.46	±20
60	5300	5299.98	-4.15	±20
62	5310	5309.98	-3.20	±20
64	5320	5319.98	-4.32	±20
Test Voltage				
100Vac/ 50Hz				
Channel	Frequency (MHz)	Chain 1		Limit (PPM)
		Carrier Frequency (MHz)	Frequency Deviation (PPM)	
52	5260	5259.99	-1.33	±20
54	5270	5269.99	-2.84	±20
58	5290	5289.98	-3.21	±20
60	5300	5299.99	-2.26	±20
62	5310	5309.98	-3.01	±20
64	5320	5319.98	-3.00	±20

For W56

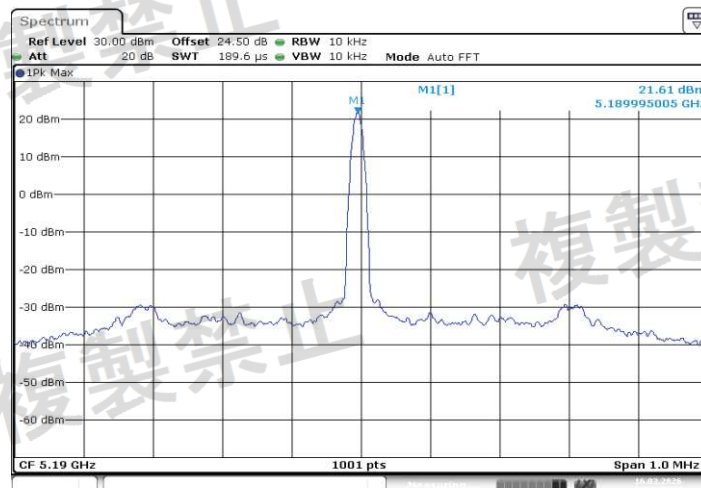
Test Voltage				
100Vac/ 50Hz				
Channel	Frequency (MHz)	Chain 0		Limit (PPM)
		Carrier Frequency (MHz)	Frequency Deviation (PPM)	
100	5500	5499.99	-2.54	±20
102	5510	5509.98	-3.99	±20
106	5530	5529.99	-2.71	±20
118	5590	5589.98	-3.93	±20
120	5600	5599.98	-2.85	±20
122	5610	5609.98	-3.38	±20
134	5670	5669.98	-4.23	±20
140	5700	5699.98	-2.80	±20
Test Voltage				
100Vac/ 50Hz				
Channel	Frequency (MHz)	Chain 1		Limit (PPM)
		Carrier Frequency (MHz)	Frequency Deviation (PPM)	
100	5500	5499.98	-2.91	±20
102	5510	5509.99	-2.36	±20
106	5530	5529.98	-3.61	±20
118	5590	5589.98	-3.40	±20
120	5600	5599.98	-3.57	±20
122	5610	5609.98	-2.85	±20
134	5670	5669.98	-3.35	±20
140	5700	5699.98	-3.15	±20

Chain0 : Frequency Tolerance @ 5180MHz



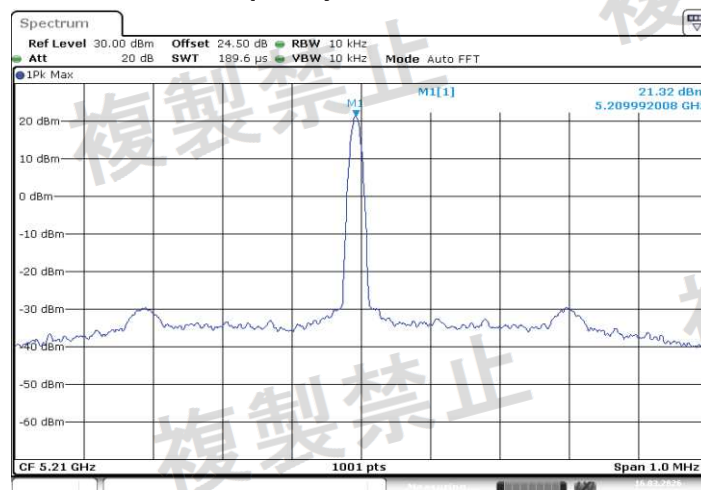
Date: 16 MAR 2026 10:29:40

Chain0 : Frequency Tolerance @ 5190MHz



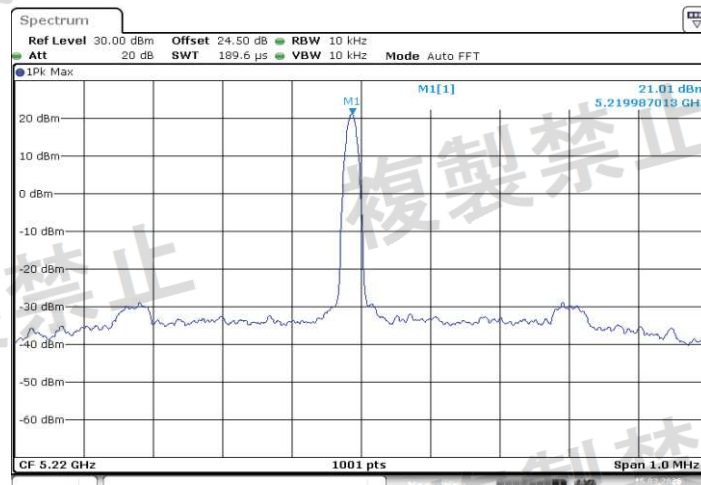
Date: 16 MAR 2026 11:35:14

Chain0 : Frequency Tolerance @ 5210MHz



Date: 16 MAR 2026 11:41:36

Chain0 : Frequency Tolerance @ 5220MHz



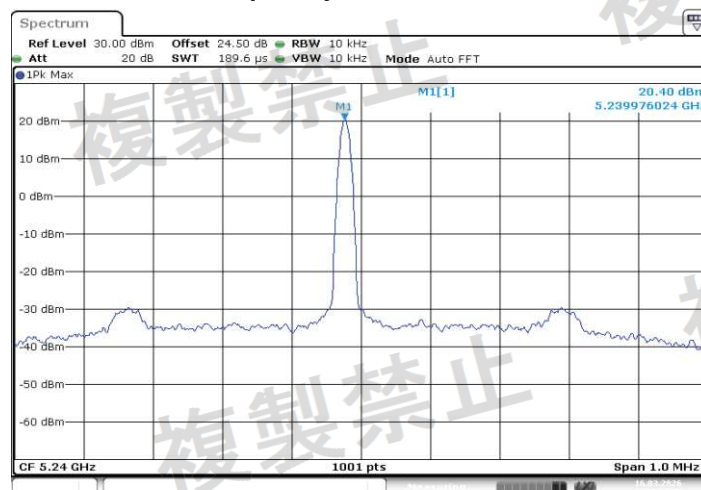
Date: 16 MAR 2026 10:30:47

Chain0 : Frequency Tolerance @ 5230MHz



Date: 16 MAR 2026 11:35:43

Chain0 : Frequency Tolerance @ 5240MHz



Date: 16 MAR 2026 10:32:49

Chain1 : Frequency Tolerance @ 5180MHz



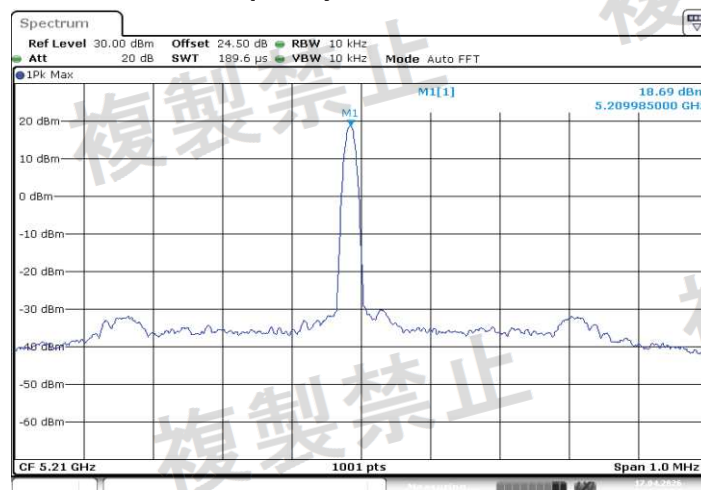
Date: 16 MAR 2026 10:47:38

Chain1 : Frequency Tolerance @ 5190MHz



Date: 16 MAR 2026 11:06:23

Chain1 : Frequency Tolerance @ 5210MHz



Date: 16 MAR 2026 16:04:59

Chain1 : Frequency Tolerance @ 5220MHz



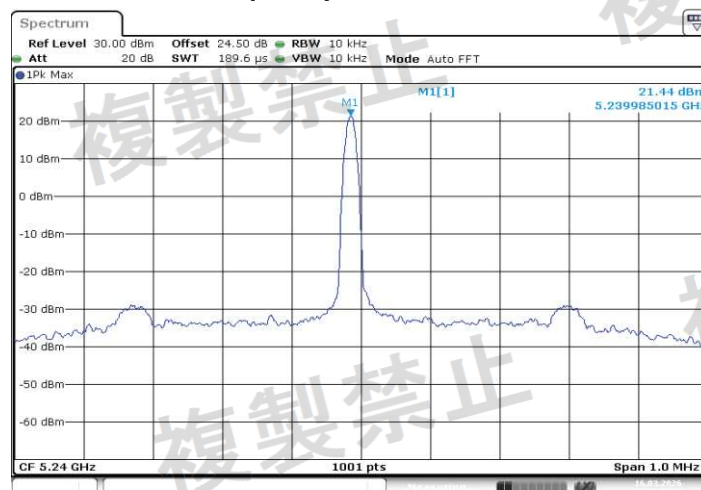
Date: 16 MAR 2026 10:48:06

Chain1 : Frequency Tolerance @ 5230MHz



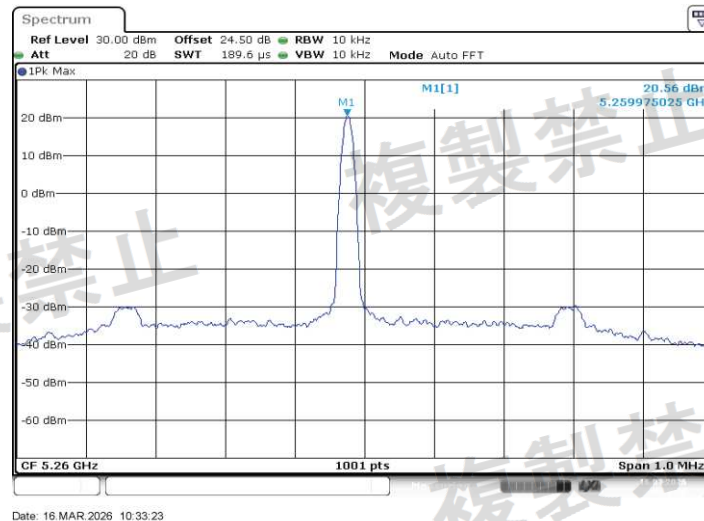
Date: 16 MAR 2026 11:07:03

Chain1 : Frequency Tolerance @ 5240MHz



Date: 16 MAR 2026 10:48:31

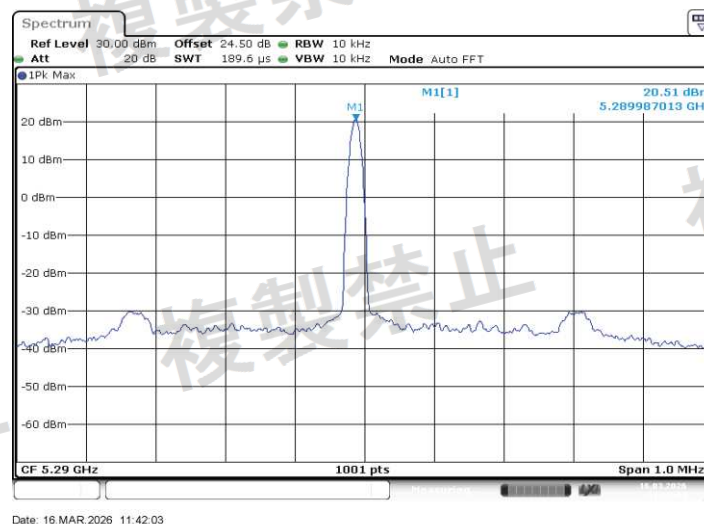
Chain0 : Frequency Tolerance @ 5260MHz



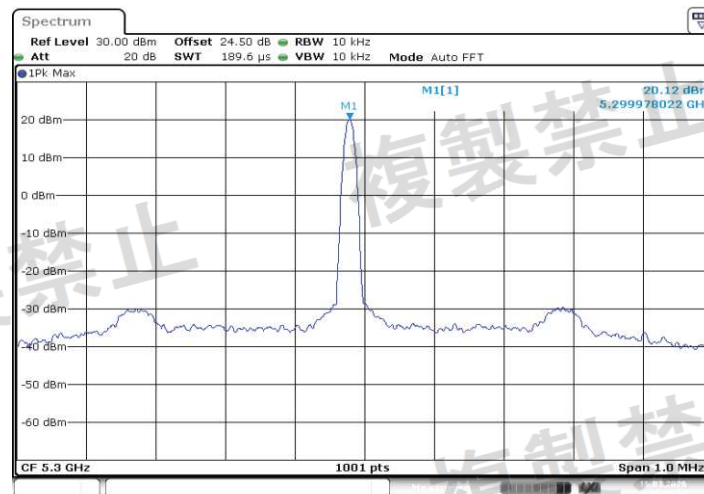
Chain0 : Frequency Tolerance @ 5270MHz



Chain0 : Frequency Tolerance @ 5290MHz



Chain0 : Frequency Tolerance @ 5300MHz



Date: 16 MAR 2026 10:33:57

Chain0 : Frequency Tolerance @ 5310MHz



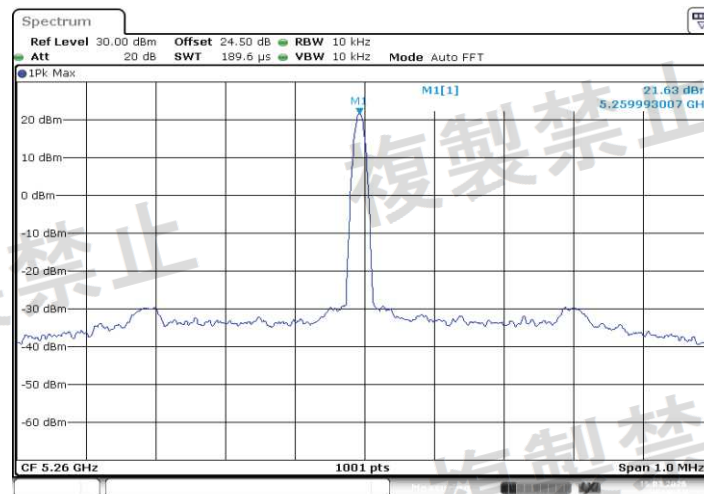
Date: 16 MAR 2026 11:36:26

Chain0 : Frequency Tolerance @ 5320MHz



Date: 16 MAR 2026 10:34:39

Chain1 : Frequency Tolerance @ 5260MHz



Date: 16 MAR 2026 10:50:51

Chain1 : Frequency Tolerance @ 5270MHz



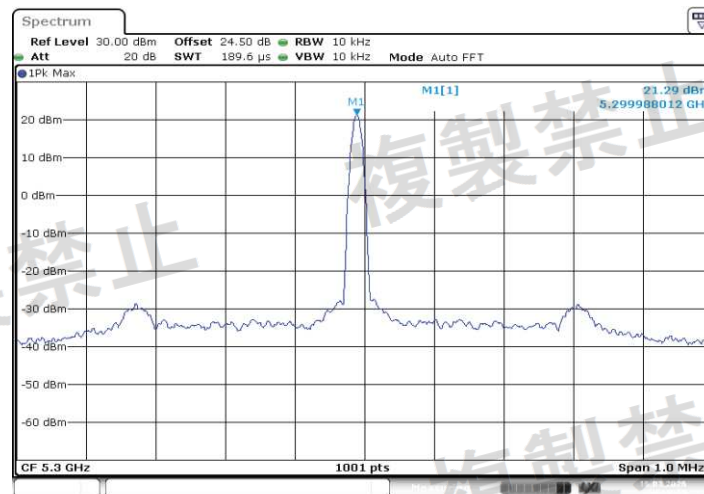
Date: 16 MAR 2026 11:07:35

Chain1 : Frequency Tolerance @ 5290MHz



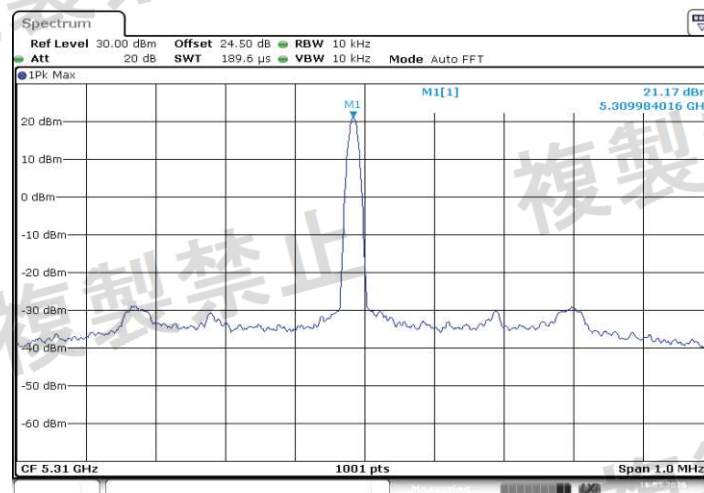
Date: 16 MAR 2026 11:11:09

Chain1 : Frequency Tolerance @ 5300MHz



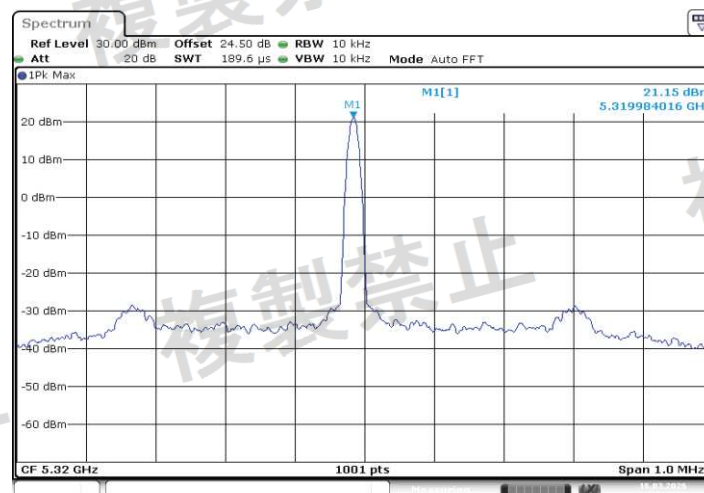
Date: 16 MAR 2026 10:51:55

Chain1 : Frequency Tolerance @ 5310MHz



Date: 16 MAR 2026 11:07:55

Chain1 : Frequency Tolerance @ 5320MHz



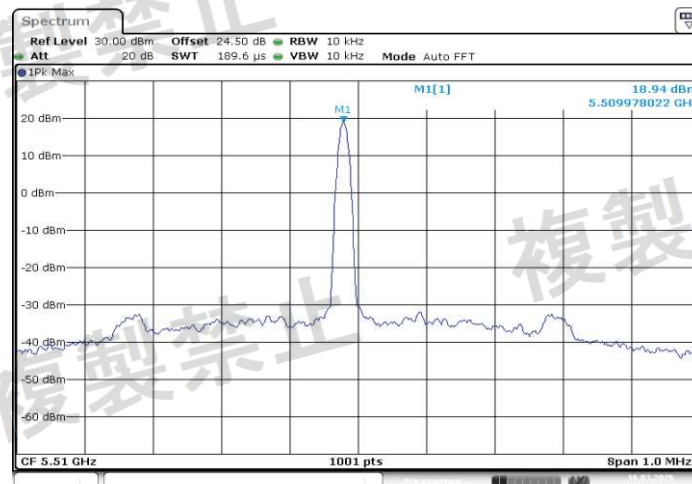
Date: 16 MAR 2026 10:52:19

Chain0 : Frequency Tolerance @ 5500MHz



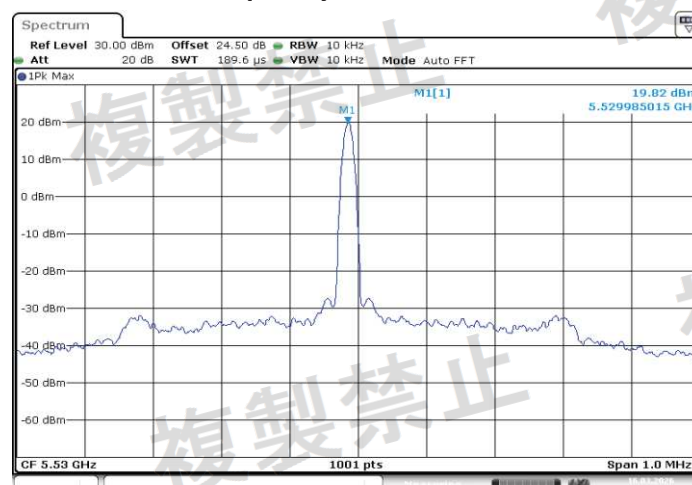
Date: 16 MAR 2026 10:38:15

Chain0 : Frequency Tolerance @ 5510MHz



Date: 16 MAR 2026 11:36:54

Chain0 : Frequency Tolerance @ 5530MHz



Date: 16 MAR 2026 11:42:40

Chain0 : Frequency Tolerance @ 5590MHz



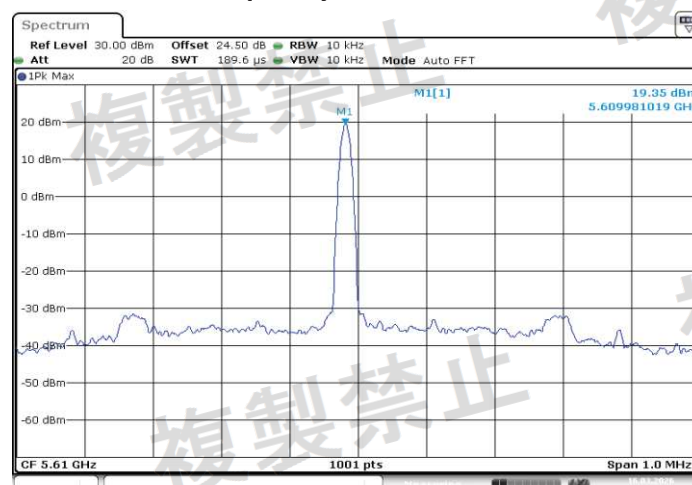
Date: 16 MAR 2026 11:37:26

Chain0 : Frequency Tolerance @ 5600MHz



Date: 16 MAR 2026 10:41:48

Chain0 : Frequency Tolerance @ 5610MHz



Date: 16 MAR 2026 11:43:03

Chain0 : Frequency Tolerance @ 5670MHz



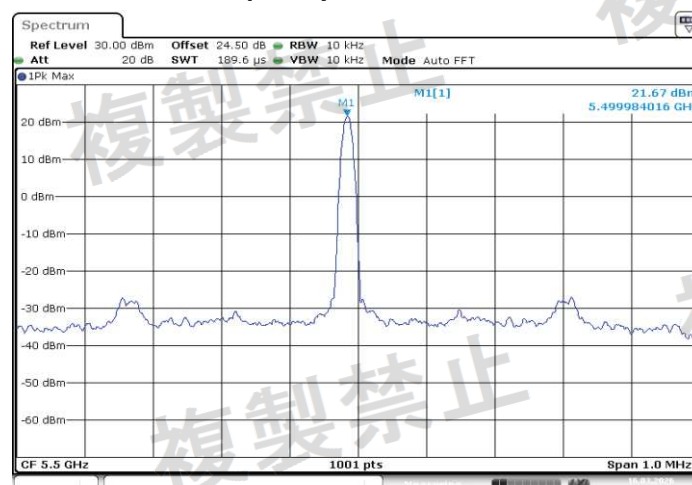
Date: 16 MAR 2026 11:37:49

Chain0 : Frequency Tolerance @ 5700MHz



Date: 16 MAR 2026 10:42:26

Chain1 : Frequency Tolerance @ 5500MHz



Date: 16 MAR 2026 10:52:53

Chain1 : Frequency Tolerance @ 5510MHz



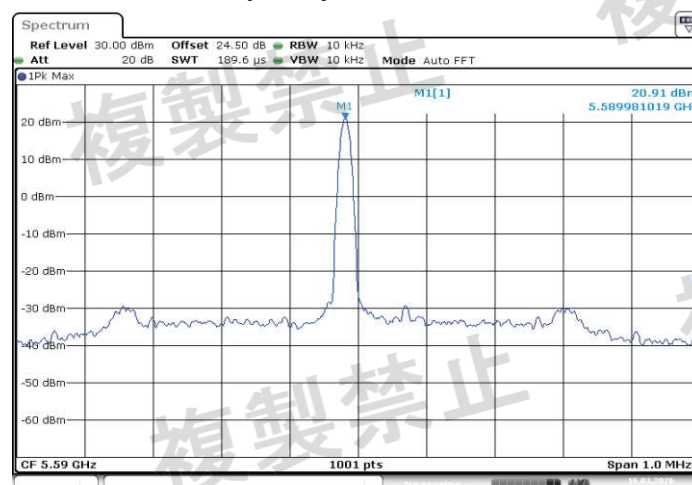
Date: 16 MAR 2026 11:08:49

Chain1 : Frequency Tolerance @ 5530MHz



Date: 16 MAR 2026 11:11:32

Chain1 : Frequency Tolerance @ 5590MHz



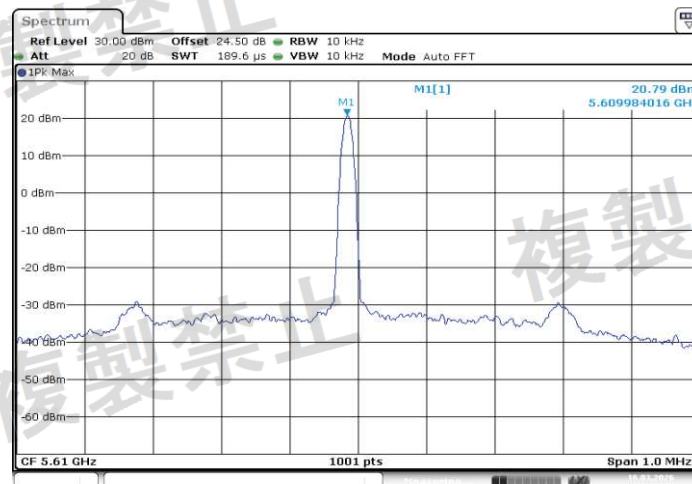
Date: 16 MAR 2026 11:09:21

Chain1 : Frequency Tolerance @ 5600MHz



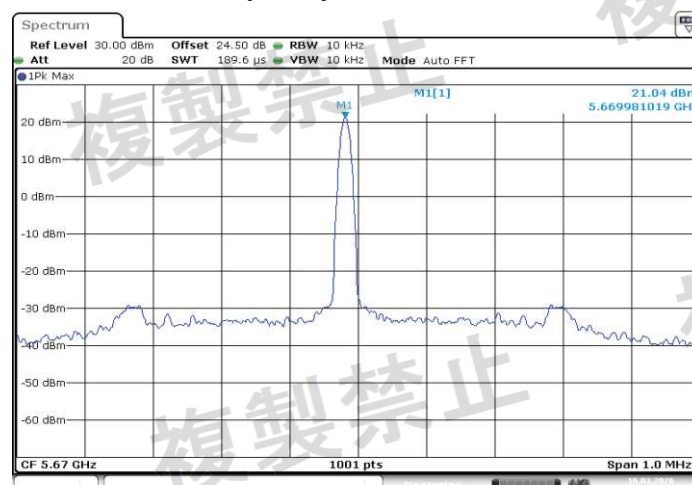
Date: 16 MAR 2026 10:53:31

Chain1 : Frequency Tolerance @ 5610MHz



Date: 16 MAR 2026 11:12:23

Chain1 : Frequency Tolerance @ 5670MHz



Date: 16 MAR 2026 11:09:54

Chain1 : Frequency Tolerance @ 5700MHz



Date: 16 MAR 2026 10:54:05

5. Antenna Power

5.1 Limit of Antenna Power

Mode	Limit	Tolerance for W52、W53	Tolerance for W56
DSSS	10mW/MHz	+20% , -80%	+50% , -50%
OFDM(20MHz)	10mW/MHz	+20% , -80%	+50% , -50%
OFDM(40MHz)	5mW/MHz	+20% , -80%	+50% , -50%
OFDM(80MHz)	2.5mW/MHz	+20% , -80%	+50% , -50%
OFDM(80+80MHz)	1.25mW/MHz	+20% , -80%	+50% , -50%
OFDM(160MHz)	1.25mW/MHz	+20% , -80%	+50% , -50%

5.2 Test method

Test method:Article 2 Paragraph 1 of Item 19-3

Using the gate function of power meter to measure burst power.

5.3 Test Result for Antenna Power

Date	2026/04/10
Temperature (°C)	25
Humidity (%)	58

For W52

Test Voltage								
100Vac/50Hz								
Modulation	Channel	Frequency (MHz)	Chain 0	Chain 1	Chain 0+1	Limit (mW/MHz)	Chain 0+1	Limit (%)
			Antenna Power (mW/MHz)	Antenna Power (mW/MHz)	Antenna Power (mW/MHz)		Tolerance (%)	
802.11a	36	5180	0.59	0.48	1.07	10	-7.47	+20% ~ -80%
	44	5220	0.62	0.54	1.15	10	0.00	+20% ~ -80%
	48	5240	0.50	0.49	0.99	10	-14.10	+20% ~ -80%
802.11ac (VHT20)	36	5180	0.44	0.35	0.78	10	-32.11	+20% ~ -80%
	44	5220	0.34	0.32	0.66	10	-43.22	+20% ~ -80%
	48	5240	0.35	0.36	0.71	10	-38.47	+20% ~ -80%
802.11ac (VHT40)	38	5190	0.20	0.17	0.37	5	-67.58	+20% ~ -80%
	46	5230	0.18	0.16	0.34	5	-70.17	+20% ~ -80%
802.11ac (VHT80)	42	5210	0.14	0.13	0.27	2.5	-76.34	+20% ~ -80%
802.11ax (HE20)	36	5180	0.58	0.45	1.02	10	-11.40	+20% ~ -80%
	44	5220	0.62	0.42	1.03	10	-10.42	+20% ~ -80%
	48	5240	0.22	0.21	0.43	10	-62.93	+20% ~ -80%
802.11ax (HE40)	38	5190	0.25	0.21	0.46	5	-60.19	+20% ~ -80%
	46	5230	0.18	0.15	0.33	5	-71.40	+20% ~ -80%
802.11ax (HE80)	42	5210	0.14	0.12	0.26	2.5	-77.57	+20% ~ -80%

For W53

Test Voltage								
100Vac/50Hz								
Modulation	Channel	Frequency (MHz)	Chain 0	Chain 1	Chain 0+1	Limit (mW/MHz)	Chain 0+1	Limit (%)
			Antenna Power (mW/MHz)	Antenna Power (mW/MHz)	Antenna Power (mW/MHz)		Tolerance (%)	
802.11a	52	5260	0.46	0.43	0.88	10	-4.95	+20% ~ -80%
	60	5300	0.45	0.41	0.85	10	-8.14	+20% ~ -80%
	64	5320	0.51	0.42	0.93	10	0.00	+20% ~ -80%
802.11ac (VHT20)	52	5260	0.38	0.33	0.71	10	-23.49	+20% ~ -80%
	60	5300	0.41	0.32	0.72	10	-22.17	+20% ~ -80%
	64	5320	0.45	0.40	0.84	10	-9.14	+20% ~ -80%
802.11ac (VHT40)	54	5270	0.18	0.17	0.34	5	-63.02	+20% ~ -80%
	62	5310	0.19	0.17	0.37	5	-60.34	+20% ~ -80%
802.11ac (VHT80)	58	5290	0.11	0.10	0.21	2.5	-77.14	+20% ~ -80%
802.11ax (HE20)	52	5260	0.18	0.14	0.32	10	-65.58	+20% ~ -80%
	60	5300	0.50	0.40	0.90	10	-3.27	+20% ~ -80%
	64	5320	0.34	0.32	0.66	10	-29.54	+20% ~ -80%
802.11ax (HE40)	54	5270	0.18	0.15	0.33	5	-64.96	+20% ~ -80%
	62	5310	0.19	0.17	0.35	5	-62.12	+20% ~ -80%
802.11ax (HE80)	58	5290	0.11	0.09	0.20	2.5	-78.40	+20% ~ -80%

For W56

Test Voltage								
100Vac/50Hz								
Modulation	Channel	Frequency (MHz)	Chain 0	Chain 1	Chain 0+1	Limit (mW/MHz)	Chain 0+1	Limit (%)
			Antenna Power (mW/MHz)	Antenna Power (mW/MHz)	Antenna Power (mW/MHz)		Tolerance (%)	
802.11a	100	5500	0.69	0.66	1.35	50	10.88	+50% ~ -50%
	120	5600	0.71	0.69	1.40	50	14.75	+50% ~ -50%
	140	5700	0.83	0.62	1.45	50	18.74	+50% ~ -50%
802.11ac (VHT20)	100	5500	0.50	0.49	0.99	50	-18.76	+50% ~ -50%
	120	5600	0.63	0.59	1.22	50	0.00	+50% ~ -50%
	140	5700	0.91	0.65	1.56	50	27.70	+50% ~ -50%
802.11ac (VHT40)	102	5510	0.36	0.35	0.71	25	-41.81	+50% ~ -50%
	118	5590	0.38	0.35	0.74	25	-39.74	+50% ~ -50%
	134	5670	0.44	0.40	0.83	25	-31.58	+50% ~ -50%
802.11ac (VHT80)	106	5530	0.32	0.30	0.62	12.5	-49.32	+50% ~ -50%
	122	5610	0.32	0.30	0.62	12.5	-49.28	+50% ~ -50%
802.11ax (HE20)	100	5500	0.72	0.69	1.42	50	16.11	+50% ~ -50%
	120	5600	0.83	0.74	1.57	50	28.96	+50% ~ -50%
	140	5700	0.91	0.58	1.49	50	21.94	+50% ~ -50%
802.11ax (HE40)	102	5510	0.41	0.37	0.78	25	-36.30	+50% ~ -50%
	118	5590	0.42	0.40	0.81	25	-33.19	+50% ~ -50%
	134	5670	0.44	0.43	0.86	25	-29.24	+50% ~ -50%
802.11ax (HE80)	106	5530	0.35	0.33	0.69	12.5	-43.77	+50% ~ -50%
	122	5610	0.34	0.29	0.63	12.5	-48.58	+50% ~ -50%

6. EIRP

6.1 Limit of Antenna Power

Mode	OFDM 20MHz Limit	OFDM 40MHz Limit	OFDM 80MHz Limit
W52	10mW/MHz	5mW/MHz	2.5mW/MHz
W53	10mW/MHz : with TPC 5mW/MHz : without TPC	5mW/MHz : with TPC 2.5mW/MHz : without TPC	2.5mW/MHz : with TPC 1.25mW/MHz : without TPC
W56	50mW/MHz : with TPC 25mW/MHz : without TPC	25mW/MHz : with TPC 12.5mW/MHz : without TPC	12.5mW/MHz : with TPC 6.25mW/MHz : without TPC

Mode	OFDM 80+80MHz Limit	OFDM 160MHz Limit
W52	1.25mW/MHz	1.25mW/MHz
W53	1.25mW/MHz : with TPC 0.625mW/MHz : without TPC	1.25mW/MHz : with TPC 0.625mW/MHz : without TPC
W56	1.25mW/MHz : with TPC 0.625mW/MHz : without TPC	6.25mW/MHz : with TPC 3.125mW/MHz : without TPC

6.2 Test method

Test method:Article 2 Paragraph 1 of Item 19-3

Using the gate function of power meter to measure burst power.

6.3 Test Result for Antenna Power

Date	2026/04/10
Temperature (°C)	25
Humidity (%)	58

For W52

Test Voltage						
100Vac/50Hz						
Modulation	Channel	Frequency (MHz)	E.I.R.P (mW/MHz)	E.I.R.P (mW/MHz)	E.I.R.P (mW/MHz)	Limit (mW/MHz)
			Chain 0	Chain 1	Chain 0+1	
802.11a	36	5180	1.10	0.90	2.00	10
	44	5220	1.15	1.00	2.16	10
	48	5240	0.94	0.92	1.85	10
802.11ac (VHT20)	36	5180	0.82	0.65	1.47	10
	44	5220	0.63	0.59	1.23	10
	48	5240	0.65	0.68	1.33	10
802.11ac (VHT40)	38	5190	0.38	0.32	0.70	5
	46	5230	0.34	0.30	0.64	5
802.11ac (VHT80)	42	5210	0.26	0.25	0.51	2.5
802.11ax (HE20)	36	5180	1.08	0.84	1.91	10
	44	5220	1.15	0.78	1.93	10
	48	5240	0.41	0.39	0.80	10
802.11ax (HE40)	38	5190	0.46	0.40	0.86	5
	46	5230	0.34	0.28	0.62	5
802.11ax (HE80)	42	5210	0.26	0.22	0.48	2.5

For W53

Test Voltage						
100Vac/50Hz						
Modulation	Channel	Frequency (MHz)	E.I.R.P (mW/MHz)	E.I.R.P (mW/MHz)	E.I.R.P (mW/MHz)	Limit (mW/MHz)
			Chain 0	Chain 1	Chain 0+1	
802.11a	52	5260	0.86	0.80	1.65	10
	60	5300	0.84	0.76	1.60	10
	64	5320	0.96	0.78	1.74	10
802.11ac (VHT20)	52	5260	0.71	0.62	1.33	10
	60	5300	0.76	0.59	1.35	10
	64	5320	0.84	0.74	1.58	10
802.11ac (VHT40)	54	5270	0.33	0.31	0.64	5
	62	5310	0.36	0.33	0.69	5
802.11ac (VHT80)	58	5290	0.21	0.18	0.40	2.5
802.11ax (HE20)	52	5260	0.34	0.26	0.60	10
	60	5300	0.94	0.74	1.68	10
	64	5320	0.63	0.59	1.23	10
802.11ax (HE40)	54	5270	0.33	0.28	0.61	5
	62	5310	0.35	0.31	0.66	5
802.11ax (HE80)	58	5290	0.21	0.17	0.38	2.5