

Japan Radio Test Report

Project No. : 2601C075
Equipment : AC1200 Whole Home Mesh Wi-Fi System
Brand Name : tp-link
Model Name : Deco M4, Deco M4R
Applicant : TP-Link Systems Inc.
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Manufacturer : TP-Link Systems Inc.
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Date of Receipt : Jan. 07, 2026
Date of Test : Jan. 07, 2026 ~ Mar. 09, 2026
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Test Sample : Engineering Sample No.: DG92026010727 for Carrier Sense Capability, DG92026010728 for others.
MIC Category : Ordinance Concerning Technical Regulations Conformity Certification etc. of Specified Radio Equipment Article 2 Paragraph 1 of item19-3
Technical Standard(s) : Ordinance Regulating Radio Equipment General Provisions, Transmitting Equipment, Receiving Equipment, Article 49-20
Test Procedure : Test Method Specified Radio Equipment Article 2 Paragraph 1 of item19-3 (MIC Notice No.88 Appendix No.45)

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. (Dongguan)

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by **BTL**.

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BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-JPAP-2-2601C075	R00	Original Report.	Mar. 18, 2026	Invalid
BTL-JPAP-2-2601C075	R01	This report added the data of ZeroSP in page85. It is a revision of the report BTL-JPAP-2-2601C075 R00. This is a newly released report. replacing the BTL-JPAP-2-2601C075 R00 report.	Mar. 27, 2026	Valid

1. SUMMARY OF TEST RESULTS

Part	Description of Test	Article of ORRE	Result
3.1	Frequency Tolerance	Article 5, Annex 1	Pass
3.2	Occupied Bandwidth	Article 6, Annex 2	Pass
3.3	Unwanted Emission Intensity	Article 7, Annex 3	Pass
3.4	Antenna Power Tolerance	Article 14	Pass
3.5	Adjacent Channel Emitted Power	Article 49-20	Pass
3.6	Limitation of Collateral Emission of Receiver	Article 24, Paragraph 2	Pass
3.7	Radio Interference Prevention Capability	Article 9-4, Item 5 Article 6-2, Item 3 of the Regulation for Enforcement of the Radio Law	Pass
3.8	Transmission Burst Length	Article 49-20	Pass
--	Transmission Power Control Function (TPC)	Article 49-20	Pass
3.9	Carrier Sense Capability(1)	Article 49-20	Pass
3.10	Construction Protection Confirmation	Article 49-20	Pass

Note:

- (1) TPC feature available: ☒ Yes ☐ No
- (2) The TPC power range of manufacturer declaration:
20MHz systems: below 6 mW/MHz EIRP
40MHz systems: below 2.76 mW/MHz EIRP
80MHz systems: below 1.49 mW/MHz EIRP
- (3) The TPC is provided by the manufacturer and it is claimed that the TPC mode can reduce the EIRP power by 6 dB or more.

1.1 TEST FACILITY

The test facilities used to collect the test data in this report:

DGDLR09-3 / DGDLR08-1: No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.

1.2 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty	Remark
Frequency Tolerance	1.4 ppm	Confidence levels of 95.45%
99% Bandwidth	0.75 %	Confidence levels of 95.45%
Antenna Power	1.3 dB	Confidence levels of 95.45%
TX-RX Emission	2.1 dB	Confidence levels of 95.45%

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
Frequency Tolerance	24°C	51%	AC 100V/50Hz	Alex Yin
Occupied Bandwidth	24°C	51%	AC 100V/50Hz	Alex Yin
Unwanted Emission Intensity	24°C	51%	AC 100V/50Hz	Alex Yin
Antenna Power Tolerance	24°C	51%	AC 100V/50Hz	Alex Yin
Adjacent Channel Emitted Power	24°C	51%	AC 100V/50Hz	Alex Yin
Limitation of Collateral Emission of Receiver	24°C	51%	AC 100V/50Hz	Alex Yin
Transmission Burst Length	24°C	51%	AC 100V/50Hz	Alex Yin
Carrier Sense Capability	22°C	53%	AC 100V/50Hz	Bowen Li

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	AC1200 Whole Home Mesh Wi-Fi System
Brand Name	tp-link
Test Model	Deco M4
Model Name	Deco M4, Deco M4R
Model Difference(s)	Only differ in model name.
Hardware Version	V5
Software Version	V5
Power Source	DC voltage supplied from AC adapter. Model: T120100-2B1
Power Rating	I/P: 100-240V~ 50/60Hz 0.3A O/P: 12V 1A
Operation Frequency Band(s)	W52: 5150MHz ~ 5250MHz W53: 5250MHz ~ 5350MHz W56: 5470MHz ~ 5730MHz
Modulation Technology	IEEE 802.11a/n/ac: OFDM
Numbers of subcarriers of OFDM	3/MHz
Bit Rate of Transmitter	IEEE 802.11a: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 300 Mbps IEEE 802.11ac: up to 866.7 Mbps
Occupied Bandwidth	76.48 MHz
Antenna Power - W52 (Rated Power)	IEEE 802.11a: 3.97 mW/MHz IEEE 802.11ac(VHT20): 4.06 mW/MHz IEEE 802.11ac(VHT40): 1.98 mW/MHz IEEE 802.11ac(VHT80): 1.00 mW/MHz
Antenna Power - W53 (Rated Power)	IEEE 802.11a: 4.09 mW/MHz IEEE 802.11ac(VHT20): 3.98 mW/MHz IEEE 802.11ac(VHT40): 2.00 mW/MHz IEEE 802.11ac(VHT80): 0.98 mW/MHz
Antenna Power - W56 (Rated Power)	IEEE 802.11a: 9.62 mW/MHz IEEE 802.11ac(VHT20): 9.79 mW/MHz IEEE 802.11ac(VHT40): 4.51 mW/MHz IEEE 802.11ac(VHT80): 2.44 mW/MHz
Antenna Power - W52 (Max. Conducted Power)	IEEE 802.11a: 3.9664 mW/MHz IEEE 802.11ac(VHT20): 4.0551 mW/MHz IEEE 802.11ac(VHT40): 1.9756 mW/MHz IEEE 802.11ac(VHT80): 1.0046 mW/MHz
Antenna Power - W53 (Max. Conducted Power)	IEEE 802.11a: 4.0860 mW/MHz IEEE 802.11ac(VHT20): 3.9783 mW/MHz IEEE 802.11ac(VHT40): 2.0045 mW/MHz IEEE 802.11ac(VHT80): 0.9777 mW/MHz
Antenna Power - W56 (Max. Conducted Power)	IEEE 802.11a: 9.6161 mW/MHz IEEE 802.11ac(VHT20): 9.7949 mW/MHz IEEE 802.11ac(VHT40): 4.5082 mW/MHz IEEE 802.11ac(VHT80): 2.4389 mW/MHz

Note:

1. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

2. Channel List:

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40)		IEEE 802.11ac(VHT80)	
W52		W52		W52	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40)		IEEE 802.11ac(VHT80)	
W53		W53		W53	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270	58	5290
56	5280	62	5310		
60	5300				
64	5320				

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40)		IEEE 802.11ac(VHT80)	
W56		W56		W56	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510	106	5530
104	5520	110	5550	122	5610
108	5540	118	5590	138	5690
112	5560	126	5630		
116	5580	134	5670		
120	5600	142	5710		
124	5620				
128	5640				
132	5660				
136	5680				
140	5700				
144	5720				

3. Table for Filed Antenna Table:

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	TP-Link Systems Inc.	N/A	Monopole	N/A	3.02	W52
					3.13	W53
					2.83	W56
2	TP-Link Systems Inc.	N/A	Monopole	N/A	3.79	W52
					3.87	W53
					3.64	W56

Note:

- 1) The EUT supports CDD. Physically, the EUT provides two completed transmitters and receivers (2T2R).
- 2) Both Ant.1 and Ant.2 had been pre-tested and found the Ant.2 power is the highest and worst, so only the data of Ant.1 with offset 3dB had been recorded.
- 3) The antenna gain is provided by the manufacturer.

4. Table for Antenna Configuration:

Operating Mode	TX Mode	2TX
IEEE 802.11a		V (Ant. 1+Ant. 2)
IEEE 802.11n(HT20)		V (Ant. 1+Ant. 2)
IEEE 802.11n(HT40)		V (Ant. 1+Ant. 2)
IEEE 802.11ac(VHT20)		V (Ant. 1+Ant. 2)
IEEE 802.11ac(VHT40)		V (Ant. 1+Ant. 2)
IEEE 802.11ac(VHT80)		V (Ant. 1+Ant. 2)

2.2 DESCRIPTION OF TEST MODES

The EUT was tested while in a continuous transmitter / receiver mode.

The EUT was tuned to a low, middle and high channel for all tests.

The EUT continuously transmitted a modulated packet with payload, while transmitting the EUT was setup to operate at the intended maximum power output available to the end user.

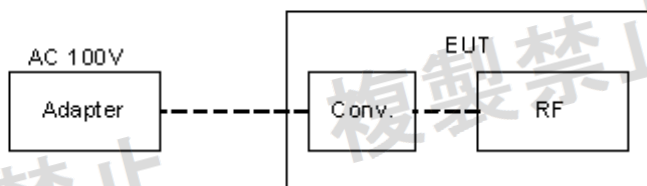
For all test cases pre-scan were completed in all modes to determine worst case levels.

Test Mode	Description
Mode 1	IEEE 802.11a / CH36,CH40,CH48 (W52)
Mode 2	IEEE 802.11ac(VHT20) / CH36,CH40,CH48 (W52)
Mode 3	IEEE 802.11ac(VHT40) / CH38,CH46 (W52)
Mode 4	IEEE 802.11ac(VHT80) / CH42 (W52)
Mode 5	IEEE 802.11a / CH52, CH60,CH64 (W53)
Mode 6	IEEE 802.11ac(VHT20) / CH52,CH60,CH64 (W53)
Mode 7	IEEE 802.11ac(VHT40) / CH54,CH62 (W53)
Mode 8	IEEE 802.11ac(VHT80) / CH58 (W53)
Mode 9	IEEE 802.11a / CH100,CH120,CH144 (W56)
Mode 10	IEEE 802.11ac(VHT20) / CH100,CH120,CH144 (W56)
Mode 11	IEEE 802.11ac(VHT40) / CH102,CH118,CH142 (W56)
Mode 12	IEEE 802.11ac(VHT80) / CH106,CH122,CH138 (W56)

Note:

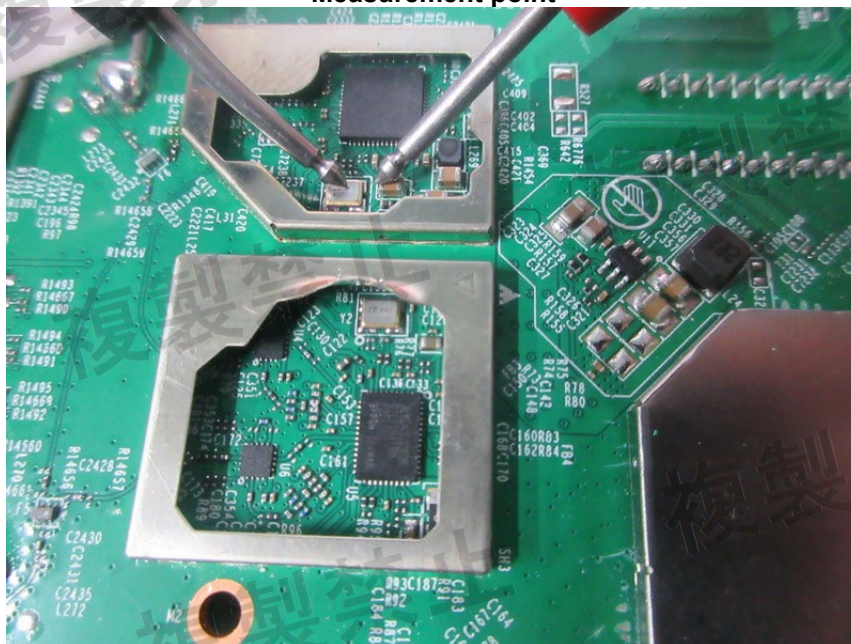
VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.

Power Supply Voltage Fluctuation Test



Voltage Fluctuation Test	Normal Voltage	High Voltage + 10% of Normal Voltage	Low Voltage - 10% of Normal Voltage
Input: AC Power	100V	110V	90V
Output: DC Power	3.293V	3.293V	3.293V
Voltage Variation (%)	-	0.00	0.00

Measurement point



Note:

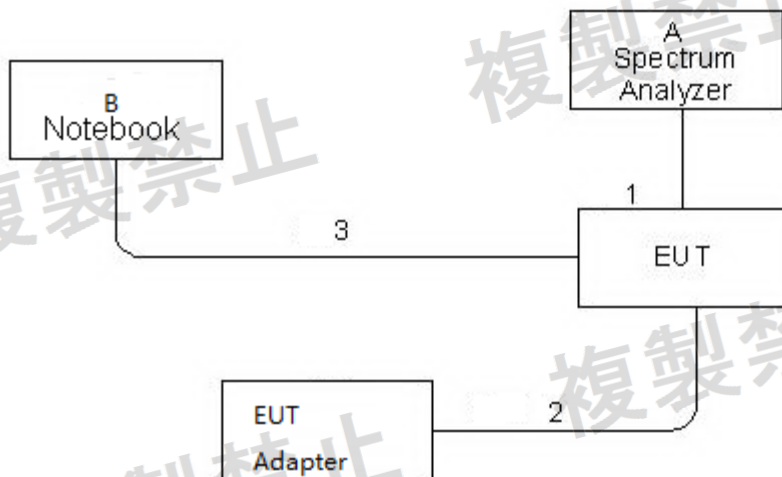
Voltage Variation (%)

= (Output High or Low Voltage - Output Normal Voltage) / Output Normal Voltage * 100

During the input 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 regulation.

2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.
A	Spectrum Analyzer	R&S	FSP40	100185
B	Notebook	DELL	INSPIRON 5493	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	RF Cable	YES	NO	0.1m
2	DC Power Cable	YES	NO	1.2m
3	Control Cable	NO	NO	1.1m

2.5 TABLE FOR PARAMETERS OF TEST SOFTWARE SETTING

During testing, Channel & Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level.

W52			
Test Software Version	ipop_v4.0		
Frequency (MHz)	5180	5200	5240
IEEE 802.11a	98/94	99/95	98/94
IEEE 802.11ac(VHT20)	101/97	101/97	100/96
Frequency (MHz)	5190	5230	
IEEE 802.11ac(VHT40)	100/96	99/95	
Frequency (MHz)	5210		
IEEE 802.11ac(VHT80)	100/96		

W53			
Test Software Version	ipop_v4.0		
Frequency (MHz)	5260	5300	5320
IEEE 802.11a	98/94	97/93	97/93
IEEE 802.11ac(VHT20)	98/94	98/94	98/94
Frequency (MHz)	5270	5310	
IEEE 802.11ac(VHT40)	98/94	98/94	
Frequency (MHz)	5290		
IEEE 802.11ac(VHT80)	98/94		

W56			
Test Software Version	ipop_v4.0		
Frequency (MHz)	5500	5600	5720
IEEE 802.11a	107/107	115/115	115/115
IEEE 802.11ac(VHT20)	107/107	117/117	116/116
Frequency (MHz)	5510	5590	5710
IEEE 802.11ac(VHT40)	107/107	107/107	115/115
Frequency (MHz)	5530	5610	5690
IEEE 802.11ac(VHT80)	108/108	116/116	115/115

3. TEST RESULTS

3.1 FREQUENCY TOLERANCE MEASUREMENT

3.1.1 LIMIT

Item	Limits (See Article 5 and Annex 1 table 8-6 of the Ordinance Regulating Radio Equipment)
Frequency Tolerance	-20≤ppm≤20

3.1.2 SETTING

The following table is the setting of spectrum analyzer.

Spectrum Parameter	Setting
Span	20MHz systems: 25MHz 40MHz systems: 45MHz 80MHz systems: 85MHz
RBW / VBW	10kHz / 30kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

3.1.3 TEST PROCEDURES

Test method according to Clause 3 of Specified Radio Equipment Article 2 Paragraph 1 of item19-3 (Annex No.45 of MIC Notification No.88).

1. Frequency accuracy of SA shall be less than 10% of limits tolerance (2ppm).
2. Set spectrum analyzer with condition in section 3.1.2 and tune reference level to observe receiving signal position.
3. Center Frequency: The center frequency of testing for EUT.
4. EUT have transmitted modulation signal and fixed channelize. The peak value of the power envelope shall be measured and noted. The span shall be reduced and the marker moved in a positive frequency increment until the upper, (relative to the centre frequency), -10 dBc point is reached. This value shall be noted as f1. The marker shall then be moved in a negative frequency increment until the lower, (relative to the centre frequency), -10 dBc point is reached. This value shall be noted as f2. f is calculated as $(f1 + f2) / 2$, fc is declaring of channel frequency. Then the frequency error formula is $(fc-f)/fc \times 10^6$ ppm and the limit is less than ±20ppm.

3.1.4 TEST SETUP LAYOUT



3.1.5 TEST DEVIATION

There is no deviation with the original standard.

3.1.6 EUT OPERATION DURING TEST

The EUT was programmed to be in modulation function.

3.1.7 TEST RESULTS

Please refer to the Appendix A.

3.2 OCCUPIED BANDWIDTH MEASUREMENT

3.2.1 LIMIT

Item	Limits (See Article 6 and Annex 2 30 of the Ordinance Regulating Radio Equipment)
Occupied Bandwidth	20MHz systems≤20MHz 40MHz systems≤40MHz 80MHz systems≤80MHz

3.2.2 SETTING

The following table is the setting of spectrum analyzer.

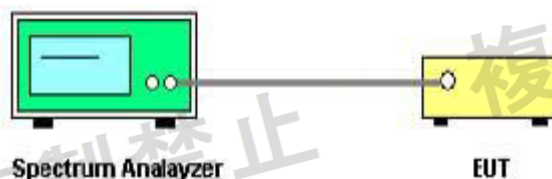
Spectrum Parameter	Setting
Span	20MHz systems: 50MHz 40MHz systems: 80MHz 80MHz systems: 160MHz
RBW / VBW	300kHz / 300kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

3.2.3 TEST PROCEDURES

Test method according to Clause 4 of Specified Radio Equipment Article 2 Paragraph 1 of item19-3 (Annex No.45 of MIC Notification No.88).

1. Set spectrum analyzer with condition in section 3.2.2 and tune reference level to observe receiving signal position.
2. EUT have transmitted the maximum modulation signal and fixed channelize. SA set to 99% of occupied bandwidth to measure occupied bandwidth. The limit is less than section 3.2.1.

3.2.4 TEST SETUP LAYOUT



3.2.5 TEST DEVIATION

There is no deviation with the original standard.

3.2.6 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

3.2.7 TEST RESULTS

Please refer to the Appendix B.

3.3 UNWANTED EMISSION INTENSITY MEASUREMENT

3.3.1 LIMIT

Item	Limits (See Article 7 and Annex 3 29 of the Ordinance Regulating Radio Equipment)	OBW
TX Spurious Emission (EIRP) For 20MHz systems -W52	30MHz ~ 5142MHz Limit $\leq 2.5 \mu\text{W/MHz}$ (-26.02 dBm/MHz)	18MHz or less
	5142MHz ~ 5150MHz Limit $\leq 15 \mu\text{W/MHz}$ (-18.24 dBm/MHz)	
	5250MHz ~ 5251MHz Limit $\leq 1000 \sim 100 \mu\text{W/MHz}$ (0 ~ -10 dBm/MHz)	
	5251MHz ~ 5260MHz Limit $\leq 100 \sim 15.8 \mu\text{W/MHz}$ (-10 ~ -18 dBm/MHz)	
	5260MHz ~ 5266.7MHz Limit $\leq 15.8 \sim 2.5 \mu\text{W/MHz}$ (-18 ~ -26 dBm/MHz)	
	5266.7MHz ~ 26000MHz Limit $\leq 2.5 \mu\text{W/MHz}$ (-26.02 dBm/MHz)	
	30MHz ~ 5142MHz Limit $\leq 2.5 \mu\text{W/MHz}$ (-26.02 dBm/MHz)	18MHz-20MHz
	5142MHz ~ 5150MHz Limit $\leq 15 \mu\text{W/MHz}$ (-18.24 dBm/MHz)	
	5250MHz ~ 5250.2MHz Limit $\leq 2154.4 \sim 631.0 \mu\text{W/MHz}$ (3.33 ~ -2.0 dBm/MHz)	
	5250.2MHz ~ 5251MHz Limit $\leq 631.0 \sim 100 \mu\text{W/MHz}$ (-2.0 ~ -10 dBm/MHz)	
	5251MHz ~ 5260MHz Limit $\leq 100 \sim 15.8 \mu\text{W/MHz}$ (-10 ~ -18 dBm/MHz)	
	5260 MHz ~ 5266.7 MHz Limit $\leq 15.8 \sim 2.5 \mu\text{W/MHz}$ (-18 ~ -26 dBm/MHz)	
	5266.7MHz ~ 26000MHz Limit $\leq 2.5 \mu\text{W/MHz}$ (-26.02 dBm/MHz)	
TX Spurious Emission (EIRP) For 20MHz systems -W53	30MHz ~ 5233.3MHz Limit $\leq 2.5 \mu\text{W/MHz}$ (-26.02 dBm/MHz)	18MHz or less
	5233.3MHz ~ 5240MHz Limit $\leq 2.5 \sim 15.8 \mu\text{W/MHz}$ (-26 ~ -18 dBm/MHz)	
	5240MHz ~ 5249MHz Limit $\leq 15.8 \sim 100 \mu\text{W/MHz}$ (-18 ~ -10 dBm/MHz)	
	5249MHz ~ 5250MHz Limit $\leq 100 \sim 1000 \mu\text{W/MHz}$ (-10 ~ 0 dBm/MHz)	
	5350MHz ~ 26000MHz Limit $\leq 2.5 \mu\text{W/MHz}$ (-26.02 dBm/MHz)	
	30MHz ~ 5233.3MHz Limit $\leq 2.5 \mu\text{W/MHz}$ (-26.02 dBm/MHz)	18MHz-20MHz
	5233.3MHz ~ 5240MHz Limit $\leq 2.5 \sim 15.8 \mu\text{W/MHz}$ (-26 ~ -18 dBm/MHz)	
	5240MHz ~ 5249MHz Limit $\leq 15.8 \sim 100.0 \mu\text{W/MHz}$ (-18 ~ -10 dBm/MHz)	
	5249MHz ~ 5249.8MHz Limit $\leq 100.0 \sim 631.0 \mu\text{W/MHz}$ (-10 ~ -2 dBm/MHz)	
	5249.8 MHz ~ 5250 MHz Limit $\leq 631 \sim 2154.4 \mu\text{W/MHz}$ (-2 ~ 3.33dBm/MHz)	
	5350MHz ~ 26000MHz Limit $\leq 2.5 \mu\text{W/MHz}$ (-26.02 dBm/MHz)	

Item	Limits (See Article 7, Table 3 of the Ordinance Regulating Radio Equipment)	OBW
TX Spurious Emission (EIRP) For 20MHz systems -W56	30MHz ~ 5460MHz Limit $\leq 2.5 \mu\text{W/MHz}$ (-26.02 dBm/MHz)	OFDM
	5460MHz ~ 5470MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)	
	5745MHz ~ 5765MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)	
	5765MHz ~ 26000MHz Limit $\leq 2.5 \mu\text{W/MHz}$ (-26.02 dBm/MHz)	

Item	Limits (See Article 7, Table 3 of the Ordinance Regulating Radio Equipment)
TX Spurious Emission (EIRP) For 40MHz systems -W52	30MHz ~ 5141.6MHz Limit $\leq 2.5 \mu\text{W/MHz}$ (-26.02 dBm/MHz)
	5141.6MHz ~ 5150MHz Limit $\leq 15 \mu\text{W/MHz}$ (-18.24 dBm/MHz)
	5250MHz ~ 5251MHz Limit $\leq 500 \sim 50 \mu\text{W/MHz}$ (-3 ~ -13 dBm/MHz)
	5251MHz ~ 5270MHz Limit $\leq 50 \sim 7.9 \mu\text{W/MHz}$ (-13 ~ -21 dBm/MHz)
	5270MHz ~ 5278.4MHz Limit $\leq 7.9 \sim 2.5 \mu\text{W/MHz}$ (-21 ~ -26 dBm/MHz)
	5278.4MHz ~ 26000MHz Limit $\leq 2.5 \mu\text{W/MHz}$ (-26.02 dBm/MHz)
TX Spurious Emission (EIRP) For 40MHz systems -W53	30MHz ~ 5221.6MHz Limit $\leq 2.5 \mu\text{W/MHz}$ (-26.02 dBm/MHz)
	5221.6MHz ~ 5230MHz Limit $\leq 2.5 \sim 7.9 \mu\text{W/MHz}$ (-26 ~ -21 dBm/MHz)
	5230MHz ~ 5249MHz Limit $\leq 7.9 \sim 50 \mu\text{W/MHz}$ (-21 ~ -13 dBm/MHz)
	5249MHz ~ 5250MHz Limit $\leq 50 \sim 500 \mu\text{W/MHz}$ (-13 ~ -3 dBm/MHz)
	5350MHz ~ 5358.4MHz Limit $\leq 15 \mu\text{W/MHz}$ (-18.24 dBm/MHz)
	5358.4MHz ~ 26000MHz Limit $\leq 2.5 \mu\text{W/MHz}$ (-26.02 dBm/MHz)
TX Spurious Emission (EIRP) For 40MHz systems -W56	30MHz ~ 5460MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)
	5460MHz ~ 5470MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)
	5770MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)

Item	Limits
	(See Article 7, Table 3 of the Ordinance Regulating Radio Equipment)
TX Spurious Emission (EIRP) For 80MHz systems -W52	30MHz ~ 5123.2MHz Limit $\leq 2.5 \mu\text{W/MHz}$ (-26.02 dBm/MHz)
	5123.2MHz ~ 5150MHz Limit $\leq 15 \mu\text{W/MHz}$ (-18.24 dBm/MHz)
	5250MHz ~ 5251MHz Limit $\leq 250 \sim 25 \mu\text{W/MHz}$ (-6 ~ -16 dBm/MHz)
	5251MHz ~ 5290MHz Limit $\leq 25 \sim 4.0 \mu\text{W/MHz}$ (-16 ~ -24 dBm/MHz)
	5290MHz ~ 5296.7MHz Limit $\leq 4.0 \sim 2.5 \mu\text{W/MHz}$ (-24 ~ -26 dBm/MHz)
	5296.7MHz ~ 26000MHz Limit $\leq 2.5 \mu\text{W/MHz}$ (-26.02 dBm/MHz)
TX Spurious Emission (EIRP) For 80MHz systems -W53	30MHz ~ 5203.3MHz Limit $\leq 2.5 \mu\text{W/MHz}$ (-26.02 dBm/MHz)
	5203.3MHz ~ 5210MHz Limit $\leq 2.5 \sim 4 \mu\text{W/MHz}$ (-26 ~ -24 dBm/MHz)
	5210MHz ~ 5249MHz Limit $\leq 4 \sim 25 \mu\text{W/MHz}$ (-24 ~ -16 dBm/MHz)
	5249MHz ~ 5250MHz Limit $\leq 25 \sim 250 \mu\text{W/MHz}$ (-16 ~ -6 dBm/MHz)
	5350MHz ~ 5376.8MHz Limit $\leq 15 \mu\text{W/MHz}$ (-18.24 dBm/MHz)
	5376.8MHz ~ 26000MHz Limit $\leq 2.5 \mu\text{W/MHz}$ (-26.02 dBm/MHz)
TX Spurious Emission (EIRP) For 80MHz systems -W56	30MHz ~ 5460MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)
	5460MHz ~ 5469.5MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)
	5469.5MHz ~ 5470MHz Limit $\leq 51.2 \mu\text{W/MHz}$ (-12.91dBm/MHz)
	5770MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)

Band	W52 / W53 / W56				
Frequency Range	30MHz ~ 1GHz	1GHz ~ 2.5GHz	2.5GHz ~ 6GHz	6GHz ~ 12.5GHz	12.5GHz ~ 26GHz
Cable Loss (dB)	19.89	19.89	19.89	19.89	19.89
Note: The cable loss already includes antenna gain.					

3.3.2 SETTING

The following table is the setting of spectrum analyzer.

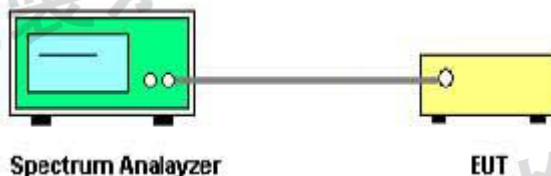
Spectrum Parameter	Setting
RBW / VBW	1MHz / 1MHz
Detector	Positive Peak
Trace	Max Hold
Sweep Time	Auto

3.3.3 TEST PROCEDURES

Test method according to Clause 5 & Clause 6 of Specified Radio Equipment Article 2 Paragraph 1 of item19-3 (Annex No.45 of MIC Notification No.88).

1. EUT have transmitted the maximum modulation signal and fixed channelize.
2. Set spectrum analyzer with condition in section 3.3.2 and tune reference level to observe receiving signal position.
3. Setting of SA with frequency in section 3.3.1 , then to mark peak reading value + cable loss + Max Ant. Gain shall be less than Limit.
4. Sweep with every specified sweep bandwidth and find maximum power value of each band. Then transform the found values of "Pa" to "Poa" using following formula and if corresponding EIRP "Poa" (dBm/MHz) satisfies regulated limitation, skip the next procedure 3 and record the "Poa" as measurement results. Poa is calculated by following formula $Poa = Pa + Gt - Lf$
Pa: found values in the measurment of out of band leakage power (dBm/MHz)
Gt: Antenna gain at the frequency of the found values (dBi)
Lf: Cable loss at the frequency of the found values (dB).
5. If the Result_Value is over the requirement, take total sum of 1MHz band centered at the spur frequency like time domain power measurement as Result_Value.

3.3.4 TEST SETUP LAYOUT



3.3.5 TEST DEVIATION

There is no deviation with the original standard.

3.3.6 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

3.3.7 TEST RESULTS

Please refer to the Appendix C.

3.4 ANTENNA POWER TOLERANCE MEASUREMENT

3.4.1 LIMIT

Item	Limits (See Article 14 tables 6 and 7, and Article 49-20 of the Ordinance Regulating Radio Equipment)
Antenna Power - W52 / W53 / W56	20MHz systems ≤ 10 mW/MHz 40MHz systems ≤ 5 mW/MHz 80MHz systems ≤ 2.5 mW/MHz
EIRP - W52	20MHz systems ≤ 10 mW/MHz 40MHz systems ≤ 5 mW/MHz 80MHz systems ≤ 2.5 mW/MHz
EIRP - W53	20MHz systems ≤ 10 mW/MHz With TPC 40MHz systems ≤ 5 mW/MHz With TPC 80MHz systems ≤ 2.5 mW/MHz With TPC
EIRP - W56	20MHz systems ≤ 50 mW/MHz With TPC 40MHz systems ≤ 25 mW/MHz With TPC 80MHz systems ≤ 12.5 mW/MHz With TPC
Antenna Power Tolerance	W52 / W53: +20% ~ -80%, W56: +50% ~ -50% (Base on manufacturer declare antenna power)

3.4.2 SETTING

The following table is the setting of spectrum analyzer.

Step 1:

Spectrum Parameter	Setting
Span	20MHz systems: 20MHz 40MHz systems: 40MHz 80MHz systems: 80MHz
RBW / VBW	1MHz / 1MHz
Detector	RMS
Trace	Max Hold
Sweep Time	Auto

Step 3:

Spectrum Parameter	Setting
Span	0Hz
RBW / VBW	1MHz / 1MHz
Detector	RMS
Trace	Max Hold
Sweep Time	60s

3.4.3 TEST PROCEDURES

Test method according to Clause 7 of Specified Radio Equipment Article 2 Paragraph 1 of item19-3 (Annex No.45 of MIC Notification No.88).

- Set spectrum analyzer with condition in section 3.4.2 Step 1 and tune reference level to observe receiving signal position.
- When the trace is complete, find the peak value of the power envelope and record the frequency.
- Set spectrum analyzer with condition in section 3.4.2 Step 3 and tune reference level to observe receiving signal position. The detector mode "Average" is often referred to as "RMS Average" or "Sample" but do not use Video Average.
- When the trace is complete, capture the trace, for example using the "View" option on the spectrum analyser. Find the peak value of the trace and place the analyser marker on this peak. This level is recorded as the highest mean power (conducted antenna power) in a 1 MHz band.
- The maximum EIRP is calculated from the above measured conducted antenna power (P) and the applicable antenna assembly gain "G" in dBi, according to the formula below. If more than one antenna assembly is intended for this power setting, the gain of the antenna assembly with the highest gain shall be used.
 - $EIRP = P + G$.

3.4.4 TEST SETUP LAYOUT



3.4.5 TEST DEVIATION

There is no deviation with the original standard.

3.4.6 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

3.4.7 TEST RESULTS

Please refer to the Appendix D.

3.5 ADJACENT CHANNEL EMITTED POWER MEASUREMENT

3.5.1 LIMIT

Item	Limits (See Article 49-20 of the Ordinance Regulating Radio Equipment)
Adjacent Channel Emitted Power	≥ 25 dB $f \pm 20$ MHz (20MHz systems) $f \pm 40$ MHz (40MHz systems) $f \pm 80$ MHz (80MHz systems)
	≥ 40 dB $f \pm 40$ MHz (20MHz systems) $f \pm 80$ MHz (40MHz systems)

3.5.2 SETTING

The following table is the setting of spectrum analyzer.

Spectrum Parameter	Setting
Span	20MHz systems: 200MHz 40MHz systems: 400MHz 80MHz systems: 500MHz
RBW / VBW	300kHz / 300kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

3.5.3 TEST PROCEDURES

Test method according to Clause 8 of Specified Radio Equipment Article 2 Paragraph 1 of item19-3 (Annex No.45 of MIC Notification No.88).

- EUT have transmitted the maximum modulation signal and fixed channelize.
- Set spectrum analyzer with condition in section 3.5.2 and tune reference level to observe receiving signal position.
- SA set the Channel Power Function and Channel Bandwidth: 20MHz and Center Frequency: The center frequency of testing for EUT (Such as 5180MHz). Then SA automatically calculate the channel power of EUT and A is representative of this channel power.
- SA set the Channel Power Function and Channel Bandwidth: 20MHz and Center Frequency: The center frequency of testing for EUT (Such as 5180MHz) ± 20 MHz. Then SA automatically calculate the first adjacent channel power of EUT and B is representative of this first adjacent channel power.
- SA set the Channel Power Function and Channel Bandwidth: 20MHz and Center Frequency: The center frequency of testing for EUT (Such as 5180MHz) ± 40 MHz. Then SA automatically calculate the second adjacent channel power of EUT and C is representative of this first adjacent channel power.
- Conclusion that A - B is more than 25dB and A - C is more than 40dB.

3.5.4 TEST SETUP LAYOUT



3.5.5 TEST DEVIATION

There is no deviation with the original standard.

3.5.6 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

3.5.7 TEST RESULTS

Please refer to the Appendix E.

3.6 LIMITATION OF COLLATERAL EMISSION OF RECEIVER MEASUREMENT

3.6.1 LIMIT

Item	Limits (See Article 24, Paragraph 2 of the Ordinance Regulating Radio Equipment)
	≤4nW (f<1GHz)
RX Spurious Emission	≤20nW (1GHz≤f)

Band	W52 / W53 / W56				
Frequency Range	30MHz ~ 1GHz	1GHz ~ 2.5GHz	2.5GHz ~ 6GHz	6GHz ~ 12.5GHz	12.5GHz ~ 26GHz
Cable Loss (dB)	0.99	0.99	0.99	0.99	0.99

3.6.2 SETTING

The following table is the setting of spectrum analyzer.

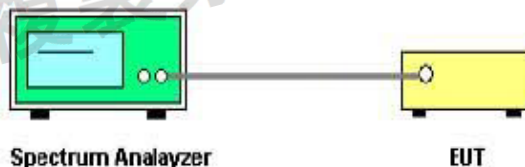
Spectrum Parameter	Setting
RBW / VBW	100 kHz / 100 kHz (30 MHz ~ 1000 MHz) 1MHz / 1MHz (Above 1000MHz)
Detector	Positive Peak
Trace	Max Hold
Sweep Time	Auto

3.6.3 TEST PROCEDURES

Test method according to Clause 9 of Specified Radio Equipment Article 2 Paragraph 1 of item19-3 (Annex No.45 of MIC Notification No.88).

1. EUT have the continuous receiving mode and fixed only one channelize.
2. Set spectrum analyzer with condition in section 3.6.2 and tune reference level to observe receiving signal position.
3. SA set RBW: 100kHz and VBW: 100kHz. Then adjust to start frequency 30MHz and stop frequency 1000MHz. Search to mark peak reading value + cable loss shall be less than 4nW.
4. SA set RBW: 1MHz and VBW: 1MHz. Then adjust to start frequency 1000MHz and stop frequency 26000MHz. Search to mark peak reading value + cable loss shall be less than 20nW.

3.6.4 TEST SETUP LAYOUT



3.6.5 TEST DEVIATION

There is no deviation with the original standard.

3.6.6 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously receiving mode.

3.6.7 TEST RESULTS

Please refer to the Appendix F.

3.7 RADIO INTERFERENCE PREVENTION CAPABILITY MEASUREMENT

3.7.1 LIMIT

Item	Limits (See Article 9-4 Item 5 of the Ordinance Regulating Radio Equipment and Article 6-2 Item 3 of the Regulation for Enforcement of the Radio Law)
Identification code	The wireless equipment of the radio station mainly used in the same station automatically sends or receives the identification code.

3.7.2 MEASURING ID CODE SOFTWARE

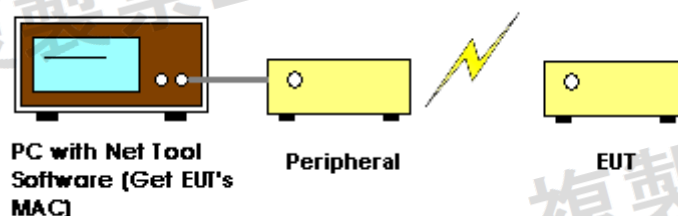
PC with Net Tool	Setting
MAC IP List	MAC Scan

3.7.3 TEST PROCEDURES

Test method according to Clause 24 of Specified Radio Equipment Article 2 Paragraph 1 of item19-3 (Annex No.45 of MIC Notification No.88).

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

3.7.4 TEST SETUP LAYOUT



3.7.5 TEST DEVIATION

There is no deviation with the original standard.

3.7.6 EUT OPERATION DURING TEST

The EUT was programmed to be in normal mode.

3.7.7 TEST RESULT OF RADIO INTERFERENCE PREVENTION CAPABILITY

Test Power:	Normal Voltage
Test Mode:	IEEE 802.11a
Test Result:	Pass (identification code: [C8-A3-62-3D-1B-3F])

C8-A3-62-3D-1B-3F

3.8 TRANSMISSION BURST LENGTH MEASUREMENT

3.8.1 LIMIT

Item	Limits (See Article 49-20 of the Ordinance Regulating Radio Equipment)
Transmission Burst Length	≤ 8 ms

3.8.2 SETTING

The following table is the setting of spectrum analyzer.

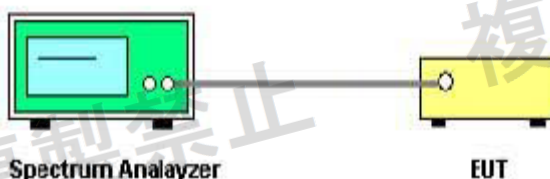
Spectrum Parameter	Setting
Span	0Hz
RBW / VBW	10MHz / 10MHz
Sweep	Single
Detector	Peak
Trigger mode	Video

3.8.3 TEST PROCEDURES

Test method according to Clause 11 of Specified Radio Equipment Article 2 Paragraph 1 of item19-3 (Annex No.45 of MIC Notification No.88).

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. Set spectrum analyzer with condition in section 3.8.2 and tune reference level to observe receiving signal position.
3. Use a video trigger with the trigger level set to enable triggering only on full pulses.
4. Sweep Time is more than once pulse time.
5. Set the center frequency on any frequency would be measure and set the frequency span to zero span.
6. Measure the maximum time duration of one single pulse.

3.8.4 TEST SETUP LAYOUT



3.8.5 TEST DEVIATION

There is no deviation with the original standard.

3.8.6 EUT OPERATION DURING TEST

The EUT was programmed to be in normal transmitting mode.

3.8.7 TEST RESULTS

Please refer to the Appendix G.

3.9 CARRIER SENSE CAPABILITY MEASUREMENT

3.9.1 LIMIT

Item	Limits (See Article 49-20 of the Ordinance Regulating Radio Equipment)
Carrier Sense Capability	Field intensity in the direction of the maximum gain of a receiving antenna: 100mV/m. *Start transmission after performing a carrier sense. However, when transmission and reception are controlled from other radio equipment, and when the radio equipment which performed transmission resumes transmission within 8 millisecond after a career sense, it can omit performing a career sense.

3.9.2 SETTING

The following table is the setting of spectrum analyzer.

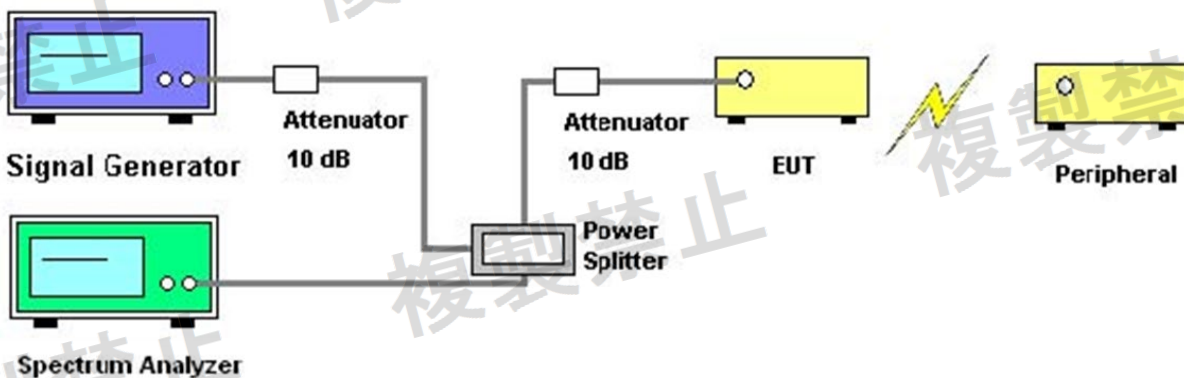
Spectrum Parameter	Setting
Span	20MHz systems: 20MHz 40MHz systems: 40MHz 80MHz systems: 80MHz
RBW / VBW	1MHz / 1MHz
Sweep	Continuous
Detector	Peak

3.9.3 TEST PROCEDURES

Test method according to Clause 13 of Specified Radio Equipment Article 2 Paragraph 1 of item19-3 (Annex No.45 of MIC Notification No.88).

1. SG adjusted the frequency as same as the EUT transmitted signal and emitted the unmodulation from SG and power level is (On $22.79 + Gr - 20 \cdot \log(f)$ [dBm] (Gr: dBi; f: MHz) or 100mV/m). Then turn off the RF signal of SG.
2. EUT have transmitted the maximum modulation signal and fixed channelize.
3. Set spectrum analyzer with condition in section 3.9.2 and tune reference level to observe receiving signal position.
4. SG RF signal on.
5. EUT shall be stop the transmitted any signal.
6. SG RF Signal Off.
7. Then EUT will be continuous transmitted signal.

3.9.4 TEST SETUP LAYOUT



3.9.5 TEST DEVIATION

There is no deviation with the original standard.

3.9.6 EUT OPERATION DURING TEST

The EUT was programmed to be in normal transmitting mode.

3.9.7 TEST RESULTS

Please refer to the Appendix H.

3.10 CONSTRUCTION PROTECTION CONFIRMATION METHOD

3.10.1 LIMIT

(See Article 49-20 of the Ordinance Regulating Radio Equipment).

The high-frequency section and modulation section of the radio equipment except for the antenna system shall not be capable of being opened easily.

3.10.2 CONFIRMATION METHOD

The RF and modulation portions are protected against illegal modification as following method:

Tick the appropriate box	
☐	1. Sealed with special screws.
☐	2. Plastic chassis is being welded using ultrasonic waves.
☐	3. Chassis is glued using a special adhesive.
☐	4. Metal covers are spot-fused.
☐	5. Cover is specially interlocked.
☐	6. RF and Modulation components are covered with shielding case and this shielding case is soldered.
☐	7. Shield case is welded at RF and modulation parts, and ID-ROM is welded using the BGA Method.
☐	8. Shield case is welded at RF and modulation parts, and ID-ROM is glued at its lead with a special adhesive
☐	9. Shield case is welded at RF and modulation parts, and ID-ROM is glued with a non-transparent laminating agent.
☒	10. RF and Modulation parts are mounted on PCB with surface mount technology, and there is no any adjustable part on PCB or adjustable parts are not exposed.

4. LIST OF MEASURING EQUIPMENTS

Kind of Equipment	Manufacturer	Model No.	Serial No.	Validity Date (See Note 1)	Calibration Agency	Class Information
EXA Spectrum Analyzer	Agilent	N9010A	MY50520044	Nov. 21, 2026	CEPREI Calibration and Testing Center	(c)
Measurement Software	BTL	BTL Conducted Test	N/A	N/A	N/A	-
Isolation attenuator	Z-Link	ASMA-16-18-2W	N/A	N/A	N/A	-
Multimeter	FLUKE	15B+(TR13)	45123773W S	May 17, 2026	CEPREI Calibration and Testing Center	(c)
AC power source	Preen	AFC-S-1250	F123080107	Nov 21, 2026	CEPREI Calibration and Testing Center	(c)
Spectrum Analyzer	R&S	FSP40	100185	May 17, 2026	CEPREI Calibration and Testing Center	(c)
DC Block	N/A	N/A	N/A	N/A	N/A	-
MXG Vector Signal Generator	Keysight	N5182B	MY57300318	Dec. 19, 2026	CEPREI Calibration and Testing Center	(c)
MXA Signal Analyzer	Keysight	N9010A	MY56480543	Dec. 19, 2026	CEPREI Calibration and Testing Center	(c)
Cable	RegalWay	RWP50-402-SM SM-2M	N/A	N/A	N/A	-
Cable	RegalWay	RWP50-402-SM SM-2M	N/A	N/A	N/A	-
Cable	RegalWay	RWP50-402-SM SM-1.5M	N/A	N/A	N/A	-
Cable	RegalWay	RWP50-402-SM SM-1M	N/A	N/A	N/A	-
Cable	RegalWay	RWP50-402-SM SM-1M	N/A	N/A	N/A	-
Cable	RegalWay	RWP50-402-SM SM-1.5M	N/A	N/A	N/A	-
Power Divider	RegalWay	RW-PD4-0118S F30	N/A	May 27, 2026	CEPREI Calibration and Testing Center	(c)
Power Divider	RegalWay	RW-PD2-0118S F30	N/A	May 27, 2026	CEPREI Calibration and Testing Center	(c)
Power Divider	RegalWay	RW-PD2-0118S F30	N/A	May 27, 2026	CEPREI Calibration and Testing Center	(c)
Shielding box	JiaChen	JC-PB2015	PB20132310 378A	N/A	N/A	-
Notebook	Lenovo	ThinkBook14/16	N/A	N/A	N/A	-

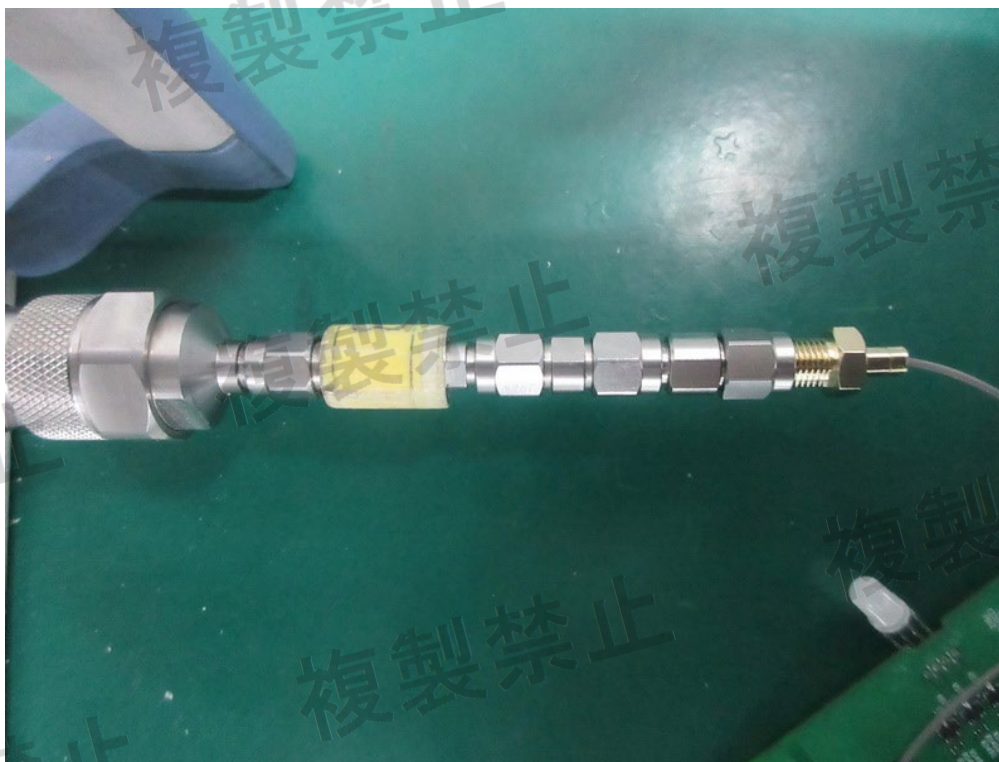
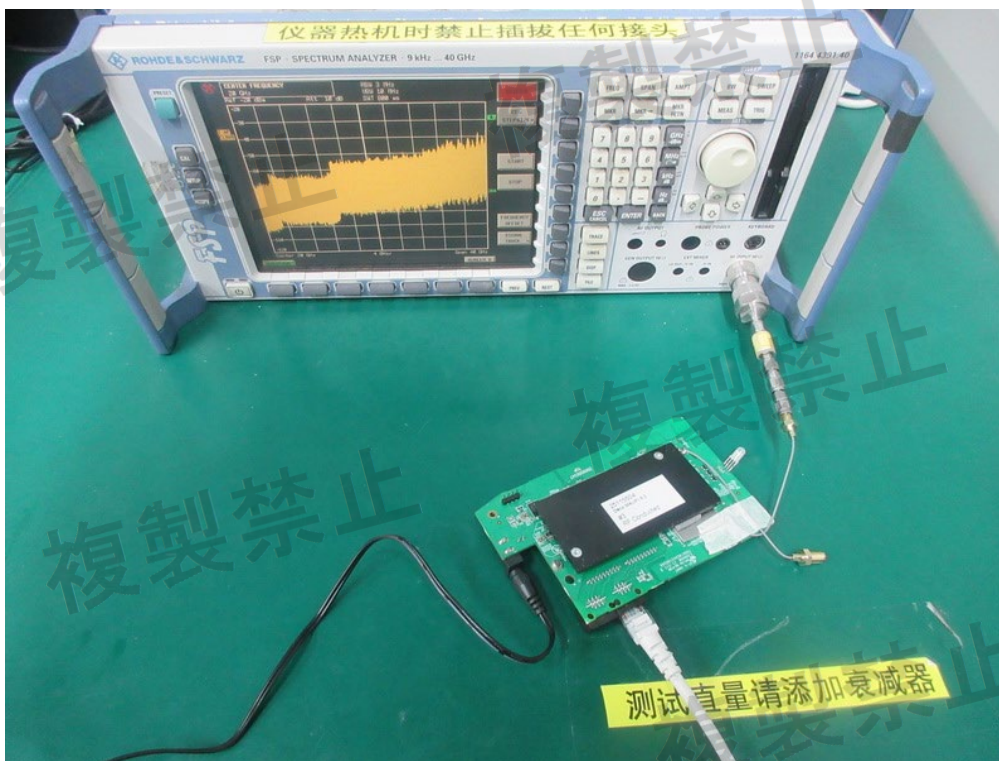
Remark:

- a. Calibration conducted by the National Institute of Information and Communications Technology (NITC) in Japan (hereinafter referred to as "NITC") 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 NITC or a designation agency under Article 102-18 paragraph (1).
- d. Calibration, etc. conducted by using measuring instruments and other equipment listed in the above 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.

Note:

1. "N/A" denotes the equipment is verified or confirmed internally by test lab.
2. The calibration interval of the above test instruments is 12 months.
3. The Calibration Agency(CHINA CEPREI LABORATORY) address for the Building 9, No. 78, West Zhucun Avenue, Zhucun Street, Zengcheng District, Guangzhou City.

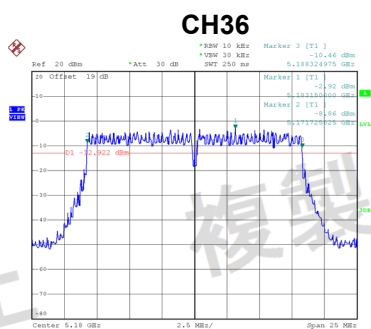
5. EUT TEST PHOTO



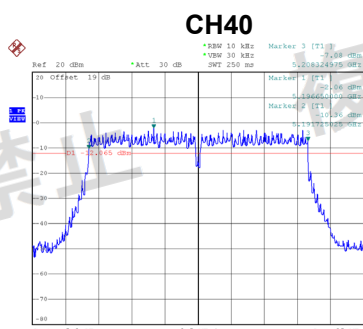
APPENDIX A - FREQUENCY TOLERANCE

Test Mode: IEEE 802.11a - W52

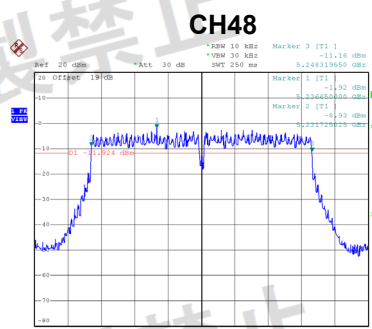
Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5180	5200	5240	Low/Mid/High of test frequency range
Measured Frequency (MHz)	5180.0250	5200.0250	5240.0223	-
Frequency Tolerance (ppm)	+4.83	+4.81	+4.25	Limit: $-20 \leq \text{ppm} \leq 20$



Date: 16.JAN.2026 14:53:46



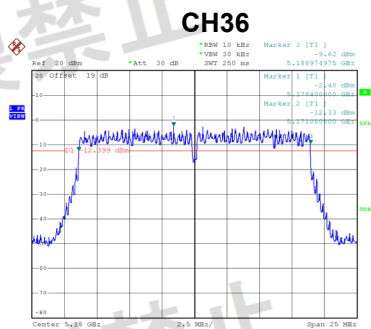
Date: 16.JAN.2026 14:54:49



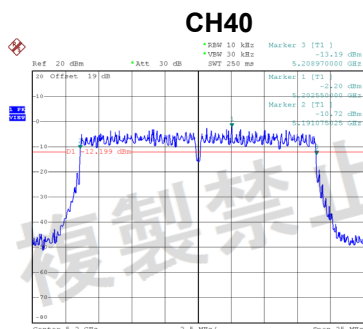
Date: 16.JAN.2026 14:55:47

Test Mode: IEEE 802.11ac(VHT20) - W52

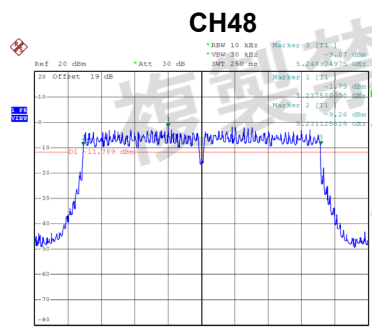
Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5180	5200	5240	Low/Mid/High of test frequency range
Measured Frequency (MHz)	5180.0275	5200.0225	5240.0500	-
Frequency Tolerance (ppm)	+5.31	+4.33	+9.54	Limit: $-20 \leq \text{ppm} \leq 20$



Date: 16.JAN.2026 15:07:56



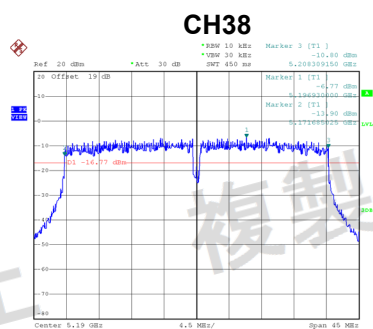
Date: 16.JAN.2026 15:09:00



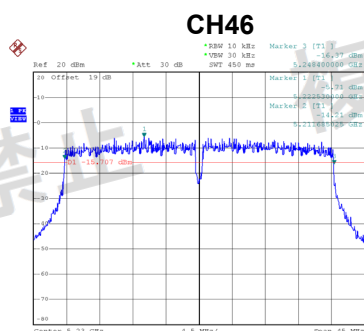
Date: 16.JAN.2026 15:09:54

Test Mode: IEEE 802.11ac(VHT40) - W52

Test Voltage	Normal Voltage		Remarks
Test Frequency (MHz)	5190	5230	Low/Mid/High of test frequency range
Measured Frequency (MHz)	5189.9971	5230.0425	-
Frequency Tolerance (ppm)	-0.56	+8.13	Limit: $-20 \leq \text{ppm} \leq 20$



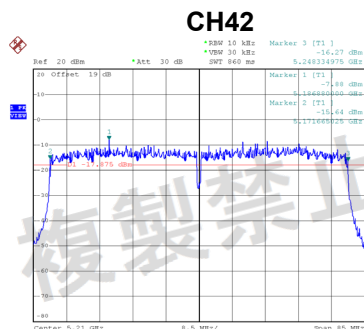
Date: 16.JAN.2026 15:18:24



Date: 16.JAN.2026 15:19:25

Test Mode: IEEE 802.11ac(VHT80) - W52

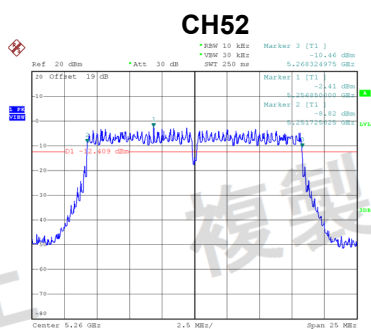
Test Voltage	Normal Voltage	Remarks
Test Frequency (MHz)	5210	Low/Mid/High of test frequency range
Measured Frequency (MHz)	5210.0000	-
Frequency Tolerance (ppm)	0.00	Limit: $-20 \leq \text{ppm} \leq 20$



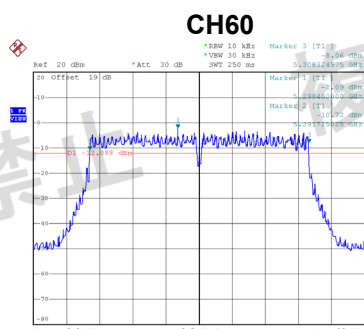
Date: 16.JAN.2026 15:26:53

Test Mode: IEEE 802.11a - W53

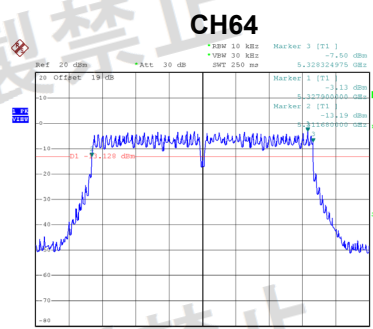
Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5260	5300	5320	Low/Mid/High of test frequency range
Measured Frequency (MHz)	5260.0250	5300.0250	5320.0025	-
Frequency Tolerance (ppm)	+4.75	+4.72	+0.47	Limit: $-20 \leq \text{ppm} \leq 20$



Date: 16.JAN.2026 14:56:57



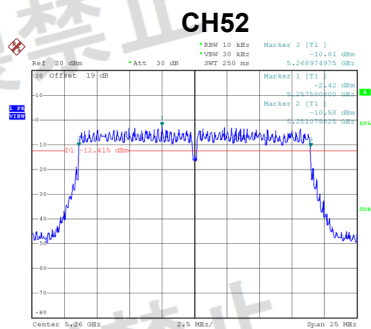
Date: 16.JAN.2026 14:58:09



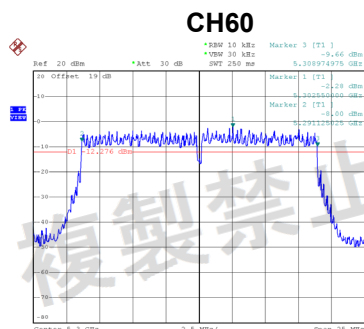
Date: 16.JAN.2026 14:59:15

Test Mode: IEEE 802.11ac(VHT20) - W53

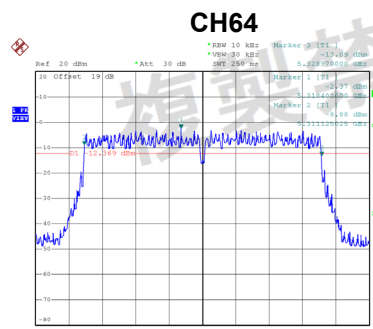
Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5260	5300	5320	Low/Mid/High of test frequency range
Measured Frequency (MHz)	5260.0250	5300.0500	5320.0475	-
Frequency Tolerance (ppm)	+4.75	+9.43	+8.93	Limit: $-20 \leq \text{ppm} \leq 20$



Date: 16.JAN.2026 15:11:02



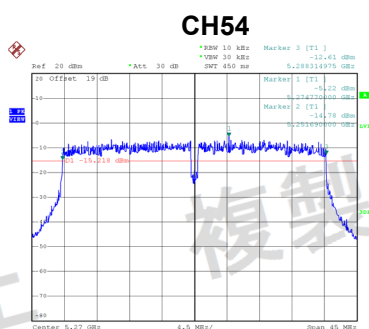
Date: 16.JAN.2026 15:12:44



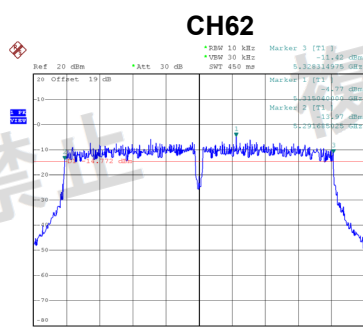
Date: 16.JAN.2026 15:13:46

Test Mode: IEEE 802.11ac(VHT40) - W53

Test Voltage	Normal Voltage		Remarks
Test Frequency (MHz)	5270	5310	Low/Mid/High of test frequency range
Measured Frequency (MHz)	5270.0025	5310.0000	-
Frequency Tolerance (ppm)	+0.47	0.00	Limit: $-20 \leq \text{ppm} \leq 20$



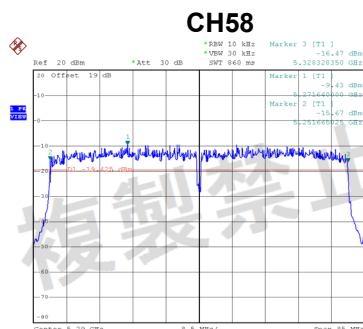
Date: 16.JAN.2026 15:20:22



Date: 16.JAN.2026 15:21:49

Test Mode: IEEE 802.11ac(VHT80) - W53

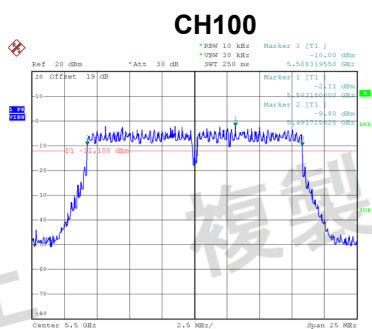
Test Voltage	Normal Voltage		Remarks
Test Frequency (MHz)	5290		Low/Mid/High of test frequency range
Measured Frequency (MHz)	5289.9967		-
Frequency Tolerance (ppm)	-0.63		Limit: $-20 \leq \text{ppm} \leq 20$



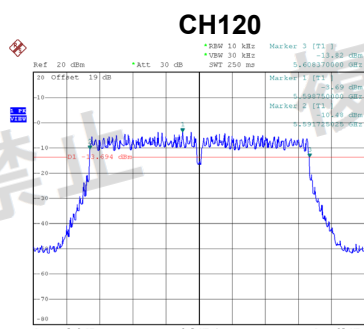
Date: 16.JAN.2026 15:27:48

Test Mode: IEEE 802.11a - W56

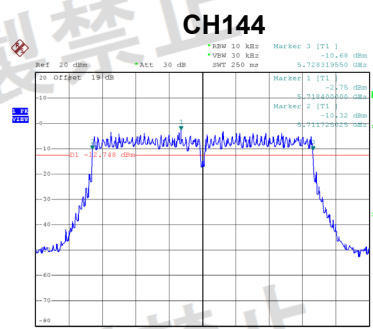
Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5500	5600	5720	Low/Mid/High of test frequency range
Measured Frequency (MHz)	5500.0223	5600.0475	5720.0223	-
Frequency Tolerance (ppm)	+4.05	+8.48	+3.90	Limit: $-20 \leq \text{ppm} \leq 20$



Date: 16.JAN.2026 15:03:14



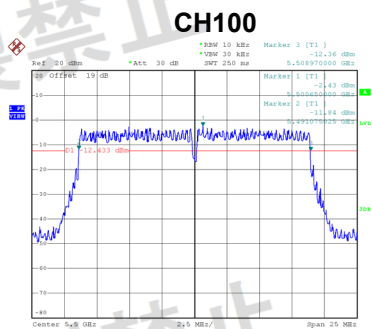
Date: 16.JAN.2026 15:04:30



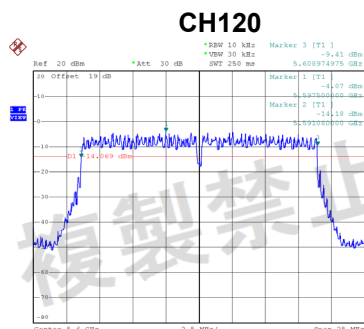
Date: 16.JAN.2026 15:06:09

Test Mode: IEEE 802.11ac(VHT20) - W56

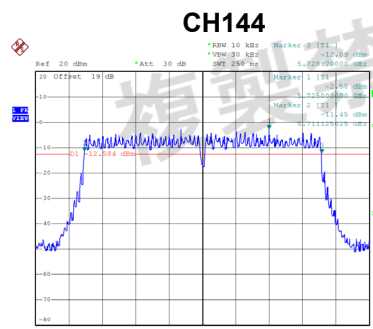
Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5500	5600	5720	Low/Mid/High of test frequency range
Measured Frequency (MHz)	5500.0225	5600.0275	5720.0475	-
Frequency Tolerance (ppm)	+4.09	+4.91	+8.31	Limit: $-20 \leq \text{ppm} \leq 20$



Date: 16.JAN.2026 15:14:43



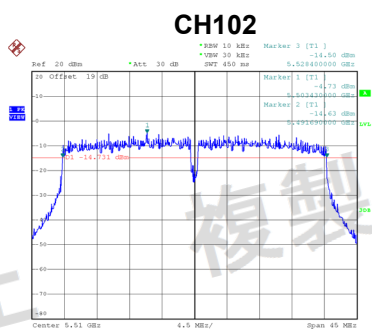
Date: 16.JAN.2026 15:15:37



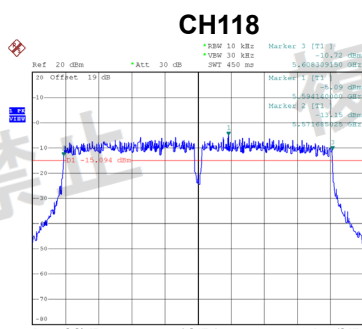
Date: 16.JAN.2026 15:16:44

Test Mode: IEEE 802.11ac(VHT40) - W56

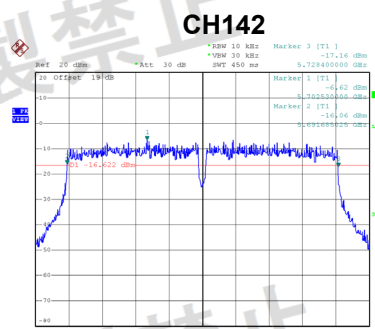
Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5510	5590	5710	Low/Mid/High of test frequency range
Measured Frequency (MHz)	5510.0450	5589.9971	5710.0425	-
Frequency Tolerance (ppm)	+8.17	-0.52	+7.45	Limit: $-20 \leq \text{ppm} \leq 20$



Date: 16.JAN.2026 15:22:45



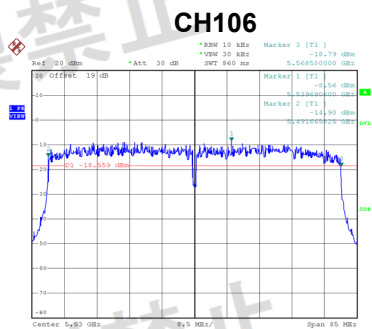
Date: 16.JAN.2026 15:23:46



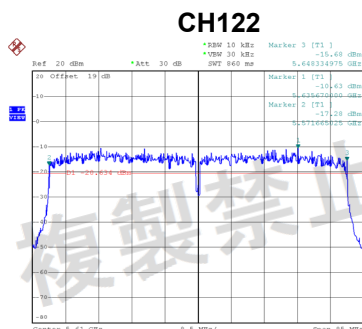
Date: 16.JAN.2026 15:24:49

Test Mode: IEEE 802.11ac(VHT80) - W56

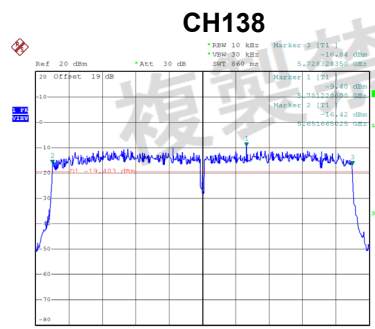
Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5530	5610	5690	Low/Mid/High of test frequency range
Measured Frequency (MHz)	5530.0825	5610.0000	5689.9967	-
Frequency Tolerance (ppm)	+14.92	0.00	-0.58	Limit: $-20 \leq \text{ppm} \leq 20$



Date: 16.JAN.2026 15:27:48



Date: 16.JAN.2026 15:29:48



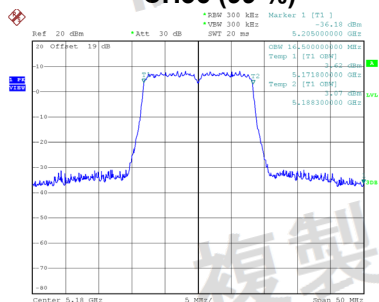
Date: 16.JAN.2026 15:30:47

APPENDIX B - OCCUPIED BANDWIDTH

Test Mode: IEEE 802.11a - W52

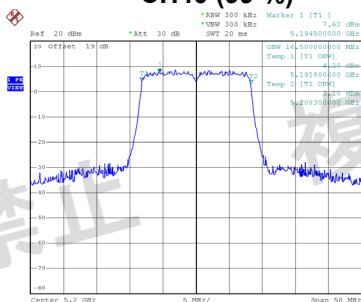
Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5180	5200	5240	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	16.50	16.50	16.50	Limit $\leq$ 20 MHz

CH36 (99 %)



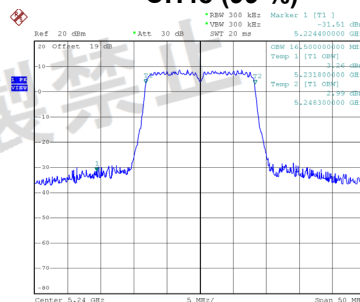
Date: 16.JAN.2026 11:22:07

CH40 (99 %)



Date: 16.JAN.2026 11:22:42

CH48 (99 %)

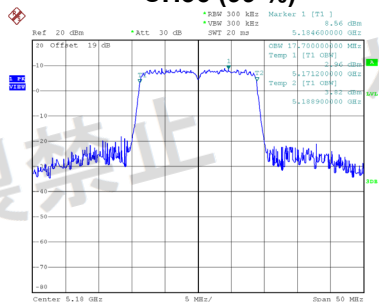


Date: 16.JAN.2026 11:23:09

Test Mode: IEEE 802.11ac(VHT20) - W52

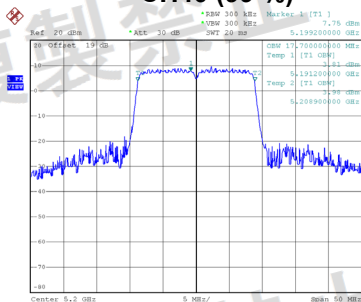
Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5180	5200	5240	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	17.70	17.70	17.70	Limit $\leq$ 20 MHz

CH36 (99 %)



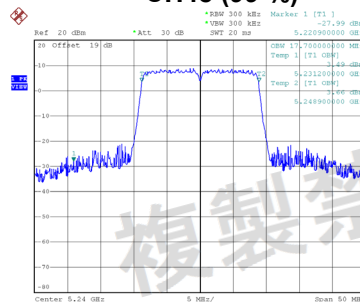
Date: 16.JAN.2026 11:04:14

CH40 (99 %)



Date: 16.JAN.2026 11:04:42

CH48 (99 %)

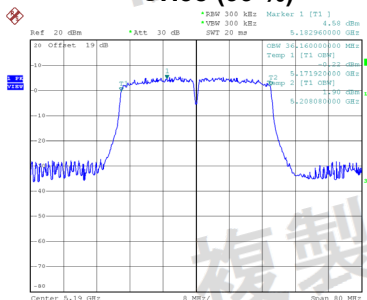


Date: 16.JAN.2026 11:05:07

Test Mode: IEEE 802.11ac(VHT40) - W52

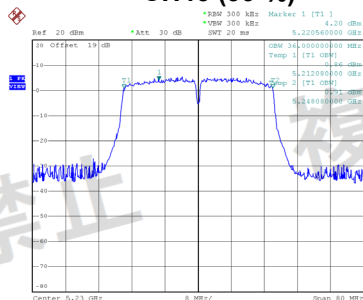
Test Voltage	Normal Voltage		Remarks
Test Frequency (MHz)	5190	5230	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	36.16	36.00	Limit ≤ 40 MHz

CH38 (99 %)



Date: 16.JAN.2026 11:12:37

CH46 (99 %)

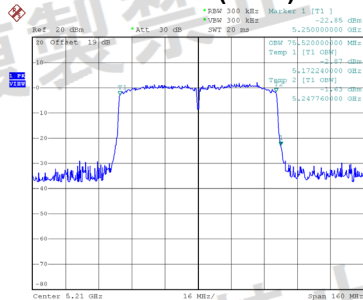


Date: 16.JAN.2026 11:13:12

Test Mode: IEEE 802.11ac(VHT80) - W52

Test Voltage	Normal Voltage		Remarks
Test Frequency (MHz)	5210		Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	75.52		Limit ≤ 80 MHz

CH42 (99 %)

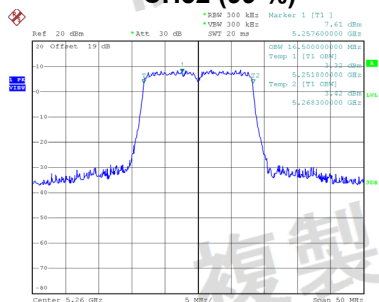


Date: 16.JAN.2026 11:16:58

Test Mode: IEEE 802.11a - W53

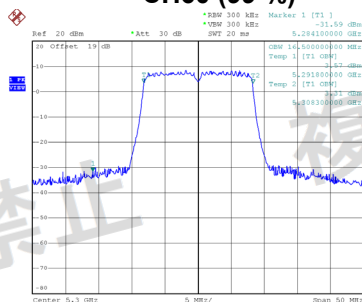
Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5260	5300	5320	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	16.50	16.50	16.50	Limit $\leq$ 20 MHz

CH52 (99 %)



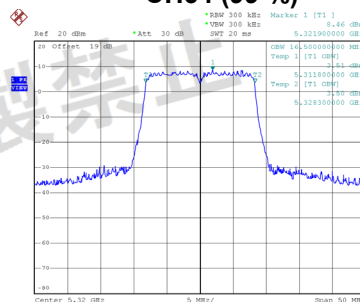
Date: 16.JAN.2026 11:23:24

CH60 (99 %)



Date: 16.JAN.2026 11:23:55

CH64 (99 %)

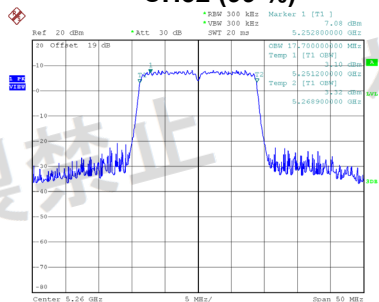


Date: 16.JAN.2026 11:24:18

Test Mode: IEEE 802.11ac(VHT20) - W53

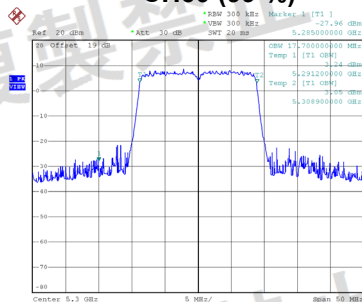
Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5260	5300	5320	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	17.70	17.70	17.70	Limit $\leq$ 20 MHz

CH52 (99 %)



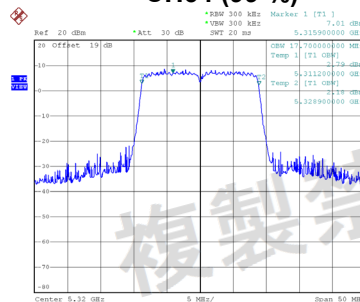
Date: 16.JAN.2026 11:05:28

CH60 (99 %)



Date: 16.JAN.2026 11:05:47

CH64 (99 %)

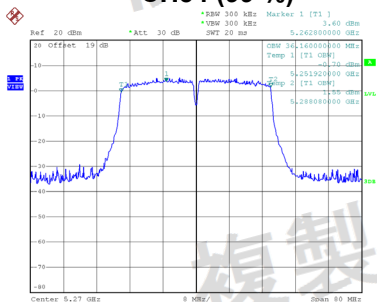


Date: 16.JAN.2026 11:06:10

Test Mode: IEEE 802.11ac(VHT40) - W53

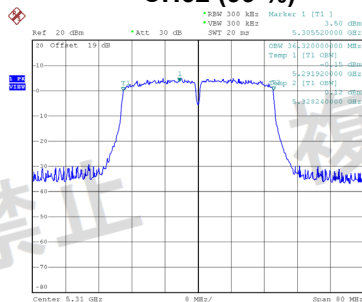
Test Voltage	Normal Voltage		Remarks
Test Frequency (MHz)	5270	5310	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	36.16	36.32	Limit ≤ 40 MHz

CH54 (99 %)



Date: 16.JAN.2026 11:13:37

CH62 (99 %)

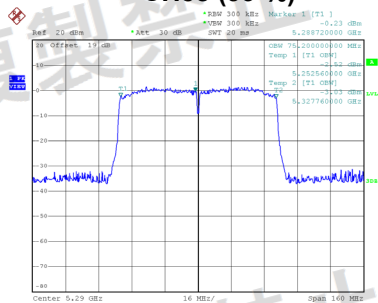


Date: 16.JAN.2026 11:13:58

Test Mode: IEEE 802.11ac(VHT80) - W53

Test Voltage	Normal Voltage	Remarks
Test Frequency (MHz)	5290	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	75.20	Limit ≤ 80 MHz

CH58 (99 %)

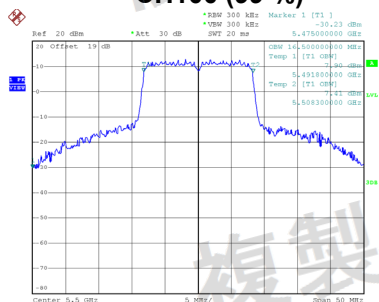


Date: 16.JAN.2026 11:17:26

Test Mode: IEEE 802.11a - W56

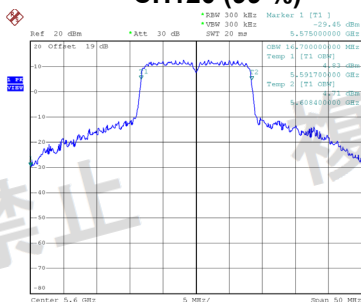
Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5500	5600	5720	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	16.50	16.70	16.70	Limit ≤ 20 MHz

CH100 (99 %)



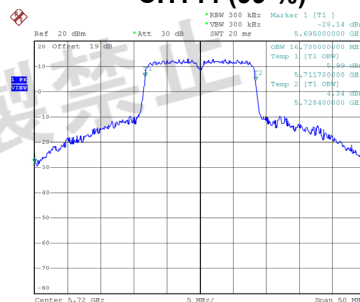
Date: 16.JAN.2026 11:24:43

CH120 (99 %)



Date: 16.JAN.2026 11:25:12

CH144 (99 %)

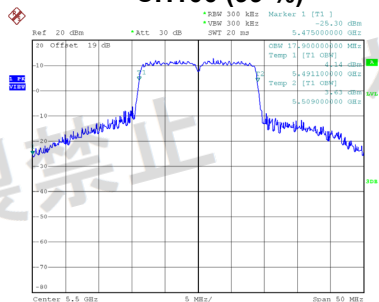


Date: 16.JAN.2026 11:25:32

Test Mode: IEEE 802.11ac(VHT20) - W56

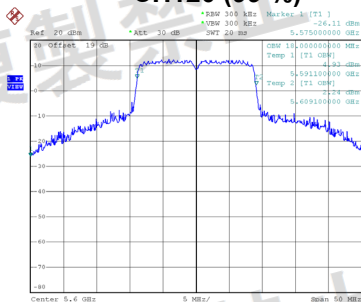
Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5500	5600	5720	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	17.90	18.00	18.10	Limit ≤ 20 MHz

CH100 (99 %)



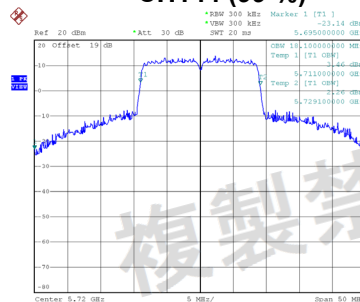
Date: 16.JAN.2026 11:06:34

CH120 (99 %)



Date: 16.JAN.2026 11:06:31

CH144 (99 %)

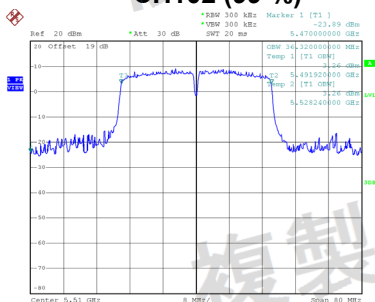


Date: 16.JAN.2026 11:10:01

Test Mode: IEEE 802.11ac(VHT40) - W56

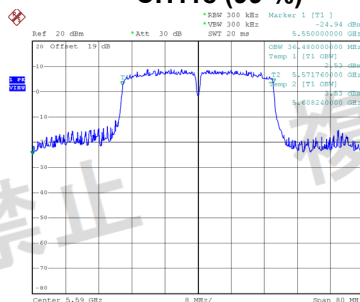
Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5510	5590	5710	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	36.32	36.48	36.32	Limit ≤ 40 MHz

CH102 (99 %)



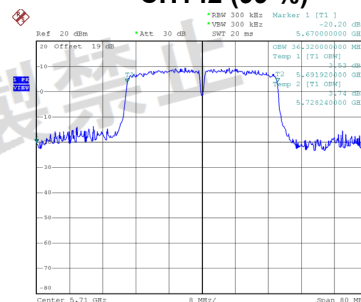
Date: 16.JAN.2026 11:14:36

CH118 (99 %)



Date: 16.JAN.2026 11:14:57

CH142 (99 %)

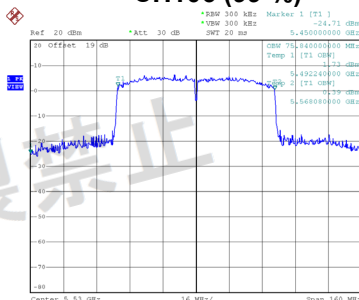


Date: 16.JAN.2026 11:15:24

Test Mode: IEEE 802.11ac(VHT80) - W56

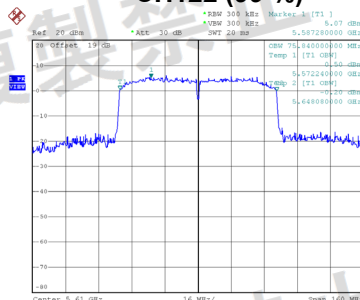
Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5530	5610	5690	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	75.84	75.84	76.48	Limit ≤ 80 MHz

CH106 (99 %)



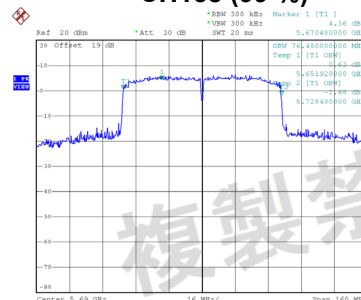
Date: 16.JAN.2026 11:17:55

CH122 (99 %)



Date: 16.JAN.2026 11:18:33

CH138 (99 %)



Date: 16.JAN.2026 11:19:01

APPENDIX C - UNWANTED EMISSION INTENSITY

Test Mode: IEEE 802.11a - W52

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5180	5200	5240	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	3148.32	3168.77	3056.30	30MHz ~ 5142MHz
	dBm/MHz	-32.64	-32.88	-33.11	Limit $\leq 2.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.54450	0.51523	0.48865	(-26.02 dBm/MHz)
	MHz	5149.84	5143.66	5144.75	5142MHz ~ 5150MHz
	dBm/MHz	-30.66	-35.80	-35.20	Limit $\leq 15 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.85901	0.26303	0.30200	(-18.24 dBm/MHz)
	MHz	5251.00	5250.90	5250.02	5250MHz ~ 5251MHz
	dBm/MHz	-36.31	-35.18	-6.17	Limit $\leq 1000 \sim 100 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.23388	0.30339	241.54608	(0 ~ -10 dBm/MHz)
	MHz	5259.33	5258.94	5258.29	5251MHz ~ 5260MHz
	dBm/MHz	-35.25	-34.97	-36.00	Limit $\leq 100 \sim 15.8 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.29854	0.31842	0.25119	(-10 ~ -18 dBm/MHz)
	MHz	5266.69	5266.66	5266.49	5260MHz ~ 5266.7MHz
	dBm/MHz	-36.51	-36.42	-36.92	Limit $\leq 15.8 \sim 2.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.22336	0.22803	0.20324	(-18 ~ -26 dBm/MHz)
	MHz	10367.09	10367.09	5266.70	5266.7MHz ~ 26000MHz
	dBm/MHz	-38.28	-38.84	-31.93	Limit $\leq 2.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.14859	0.13062	0.64121	(-26.02 dBm/MHz)

Note:

Emission value = SA measurement value (Include correction factor and cable loss)

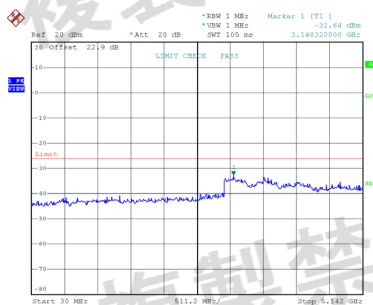
Correction factor = $10 \log (X)$

X = the total number of antennas

Explanation of Marker and ZeroSP test:

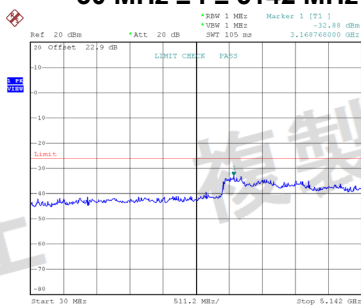
- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

CH36

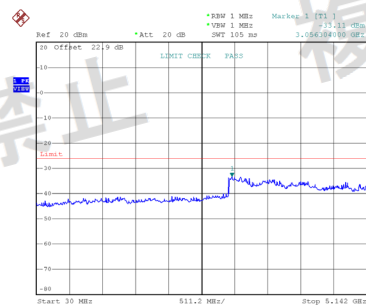


CH40

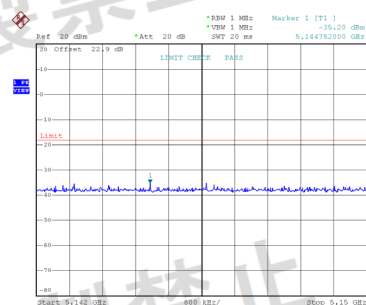
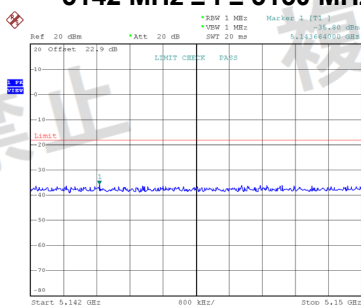
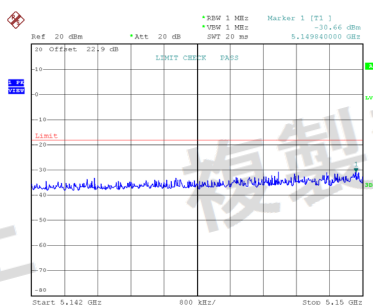
30 MHz ≤ f ≤ 5142 MHz



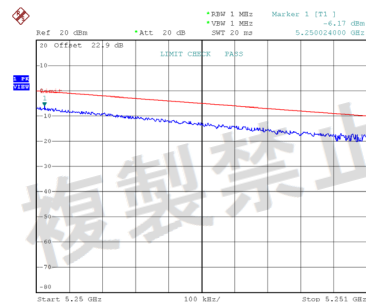
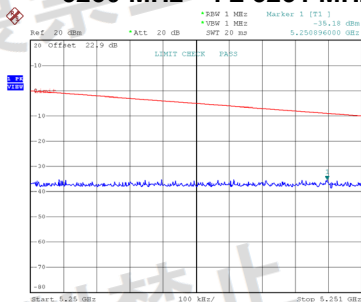
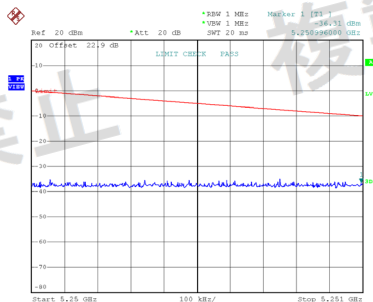
CH48



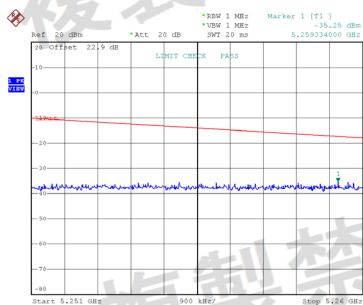
5142 MHz ≤ f ≤ 5150 MHz



5250 MHz < f ≤ 5251 MHz

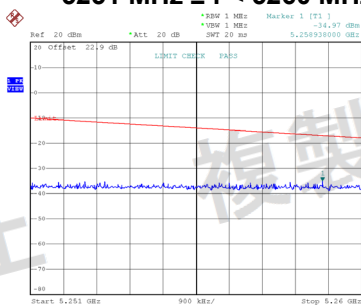


CH36



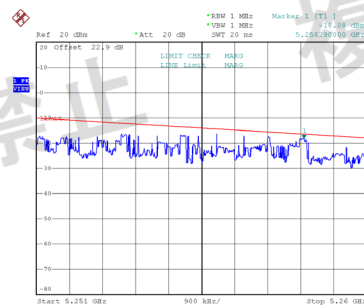
Date: 16.JAN.2026 13:21:56

CH40
5251 MHz ≤ f < 5260 MHz



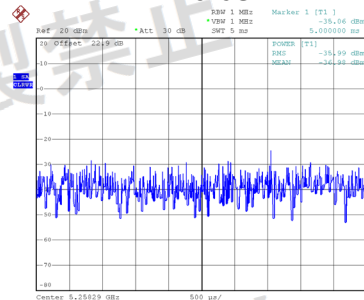
Date: 16.JAN.2026 13:23:19

CH48



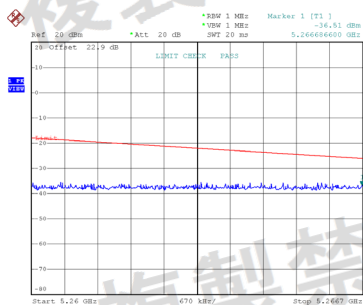
Date: 16.JAN.2026 13:19:43

ZeroSP



Date: 16.JAN.2026 13:19:40

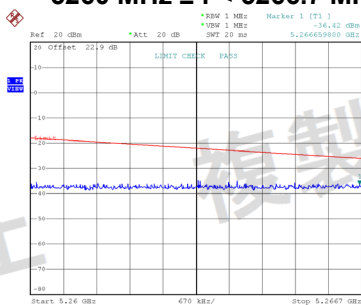
CH36



Date: 16.JAN.2026 13:22:00

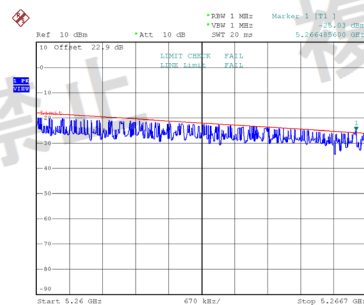
CH40

5260 MHz ≤ f < 5266.7 MHz



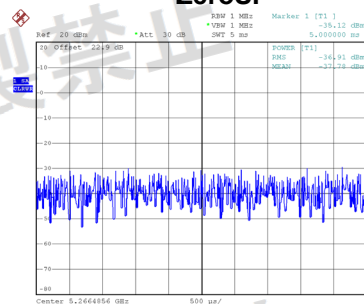
Date: 16.JAN.2026 13:23:26

CH48



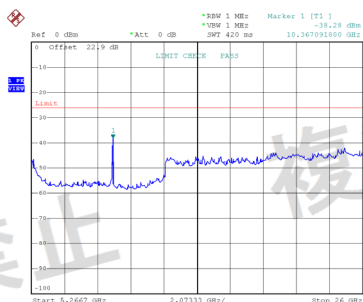
Date: 16.JAN.2026 13:19:56

ZeroSP



Date: 16.JAN.2026 13:20:02

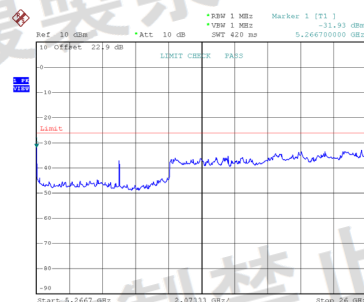
5266.7 MHz < f ≤ 26000 MHz



Date: 16.JAN.2026 13:22:11



Date: 16.JAN.2026 13:23:37



Date: 16.JAN.2026 13:20:14

Test Mode: IEEE 802.11ac(VHT20) - W52

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5180	5200	5240	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	3148.32	3158.54	3138.10	30MHz ~ 5142MHz
	dBm/MHz	-32.65	-33.43	-33.12	Limit $\leq 2.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.54325	0.45394	0.48753	(-26.02 dBm/MHz)
	MHz	5149.84	5149.23	5146.06	5142MHz ~ 5150MHz
	dBm/MHz	-36.96	-35.39	-35.02	Limit $\leq 15 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.20137	0.28907	0.31477	(-18.24 dBm/MHz)
	MHz	5250.88	5250.99	5250.00	5250MHz ~ 5251MHz
	dBm/MHz	-34.24	-35.71	-8.67	Limit $\leq 1000 \sim 100 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.37670	0.26853	135.83134	(0 ~ -10 dBm/MHz)
	MHz	5259.15	5259.71	5258.92	5251MHz ~ 5260MHz
	dBm/MHz	-35.71	-35.62	-33.10	Limit $\leq 100 \sim 15.8 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.26853	0.27416	0.48978	(-10 ~ -18 dBm/MHz)
	MHz	5266.31	5266.70	5266.51	5260MHz ~ 5266.7MHz
	dBm/MHz	-35.16	-35.45	-36.02	Limit $\leq 15.8 \sim 2.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.30479	0.28510	0.25003	(-18 ~ -26 dBm/MHz)
	MHz	10325.63	10408.56	5266.70	5266.7MHz ~ 26000MHz
	dBm/MHz	-38.74	-38.33	-35.88	Limit $\leq 2.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.13366	0.14689	0.25823	(-26.02 dBm/MHz)

Note:

Emission value = SA measurement value (Include correction factor and cable loss)

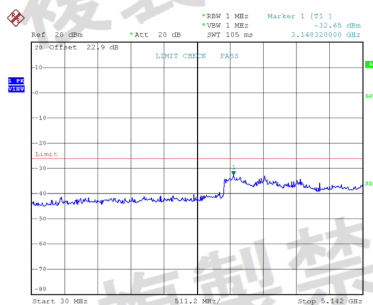
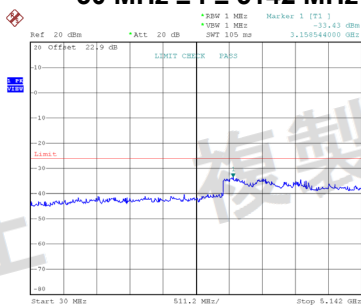
Correction factor = $10 \log(X)$

X = the total number of antennas

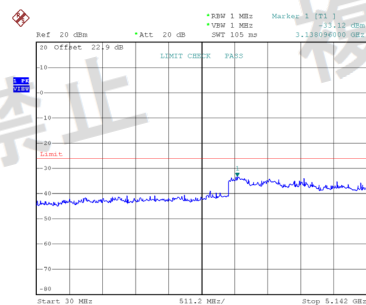
Explanation of Marker and ZeroSP test:

- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

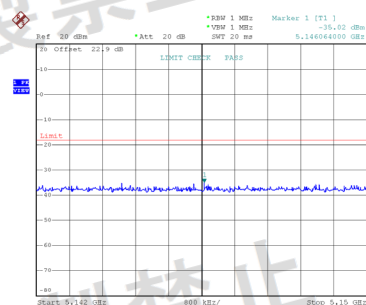
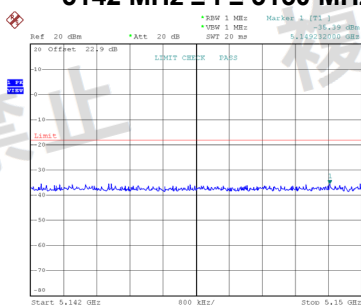
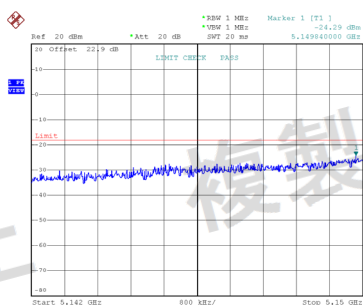
CH36

CH40
30 MHz ≤ f ≤ 5142 MHz

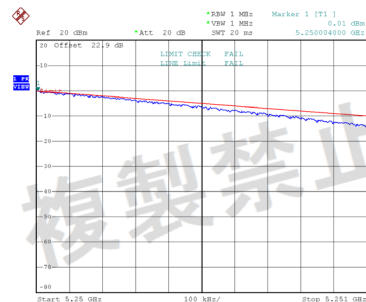
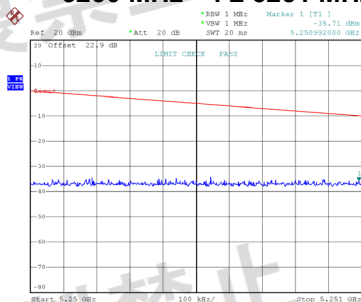
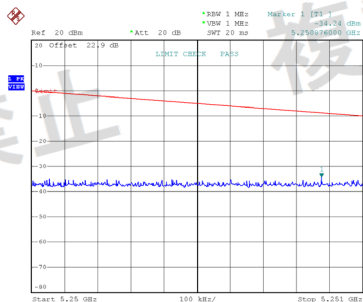
CH48



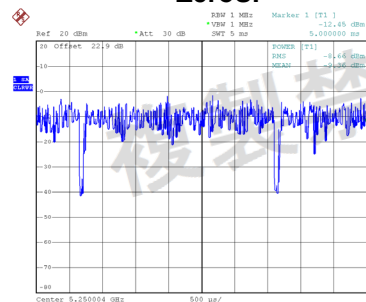
5142 MHz ≤ f ≤ 5150 MHz



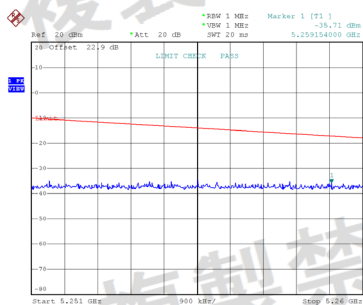
5250 MHz < f ≤ 5251 MHz



ZeroSP



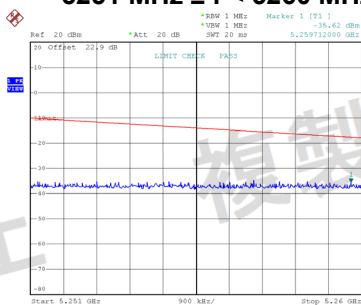
CH36



Date: 16.JAN.2026 13:52:17

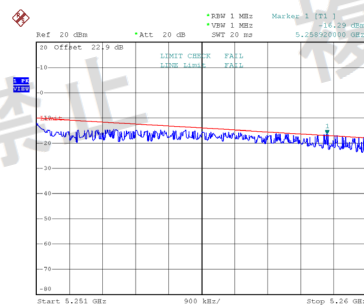
CH40

5251 MHz ≤ f < 5260 MHz



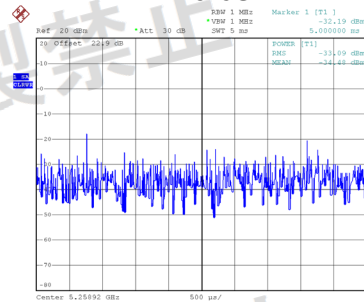
Date: 16.JAN.2026 13:53:39

CH48



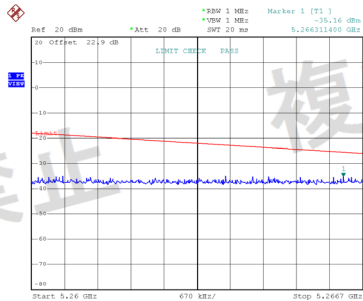
Date: 16.JAN.2026 13:55:45

ZeroSP

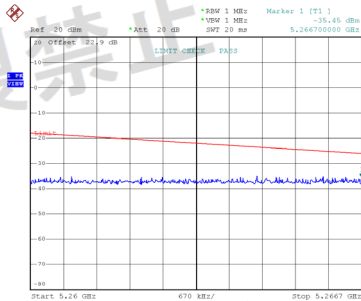


Date: 16.JAN.2026 13:55:50

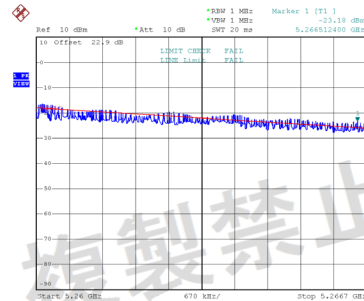
5260 MHz ≤ f < 5266.7 MHz



Date: 16.JAN.2026 13:52:24

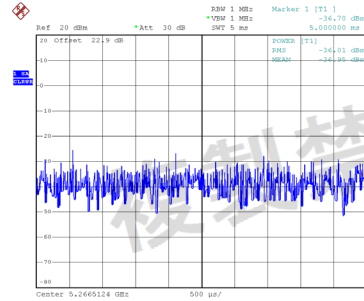


Date: 16.JAN.2026 13:53:46



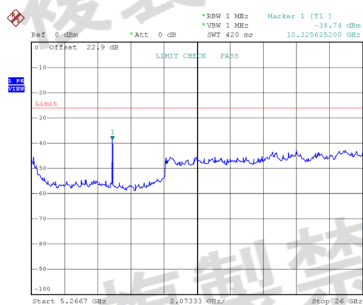
Date: 16.JAN.2026 13:55:50

ZeroSP



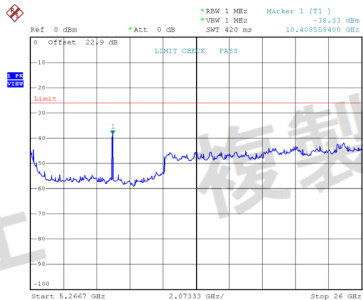
Date: 16.JAN.2026 13:56:04

CH36

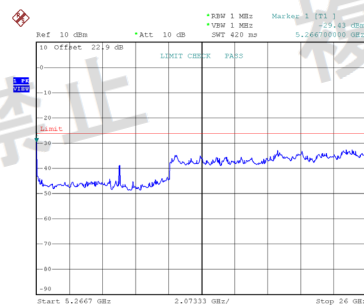


CH40

5266.7 MHz < f ≤ 26000 MHz



CH48



Test Mode: IEEE 802.11ac(VHT40) - W52

Test Voltage		Normal Voltage		Remarks
Test Frequency (MHz)		5190	5230	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	5141.60	5141.60	30MHz ~ 5141.6MHz
	dBm/MHz	-36.24	-42.18	Limit $\leq 2.5 \mu\text{W/MHz}$ (-26.02 dBm/MHz)
	$\mu\text{W/MHz}$	0.23768	0.06053	
	MHz	5149.41	5149.36	5141.6MHz ~ 5150MHz
	dBm/MHz	-35.53	-35.52	Limit $\leq 15 \mu\text{W/MHz}$ (-18.24 dBm/MHz)
	$\mu\text{W/MHz}$	0.27990	0.28054	
	MHz	5250.97	5250.99	5250MHz ~ 5251MHz
	dBm/MHz	-30.78	-25.65	Limit $\leq 500 \sim 50 \mu\text{W/MHz}$ (-3 ~ -13 dBm/MHz)
	$\mu\text{W/MHz}$	0.83560	2.72270	
	MHz	5267.04	5251.11	5251MHz ~ 5270MHz
	dBm/MHz	-32.85	-27.23	Limit $\leq 50 \sim 7.9 \mu\text{W/MHz}$ (-13 ~ -21 dBm/MHz)
	$\mu\text{W/MHz}$	0.51880	1.89234	
	MHz	5277.29	5278.33	5270MHz ~ 5278.4MHz
	dBm/MHz	-37.44	-36.01	Limit $\leq 7.9 \sim 2.5 \mu\text{W/MHz}$ (-21 ~ -26 dBm/MHz)
	$\mu\text{W/MHz}$	0.18030	0.25061	
	MHz	24715.26	24798.15	5278.4MHz ~ 26000MHz
	dBm/MHz	-32.76	-32.05	Limit $\leq 2.5 \mu\text{W/MHz}$ (-26.02 dBm/MHz)
	$\mu\text{W/MHz}$	0.52966	0.62373	

Note:

Emission value = SA measurement value (Include correction factor and cable loss)

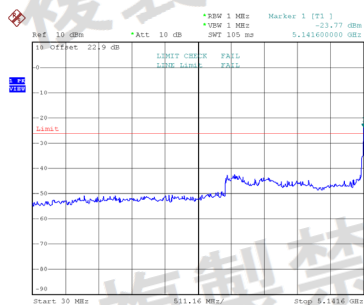
Correction factor = $10 \log(X)$

X = the total number of antennas

Explanation of Marker and ZeroSP test:

- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

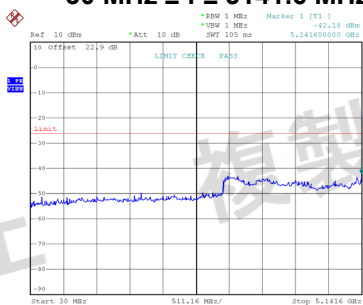
CH38



Date: 16.JAN.2026 14:21:06

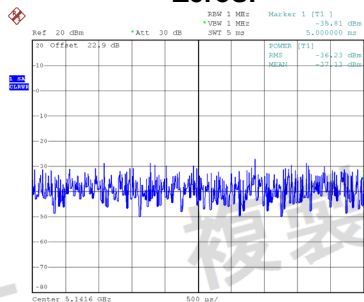
CH46

30 MHz ≤ f ≤ 5141.6 MHz



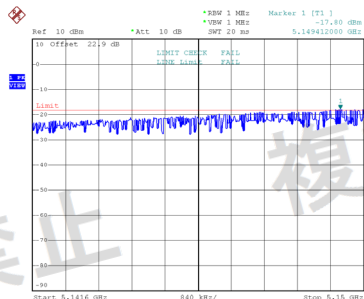
Date: 16.JAN.2026 14:23:21

ZeroSP

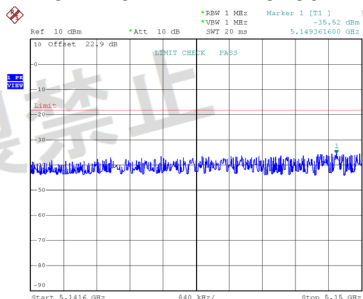


Date: 16.JAN.2026 14:21:11

5141.6 MHz ≤ f ≤ 5150 MHz

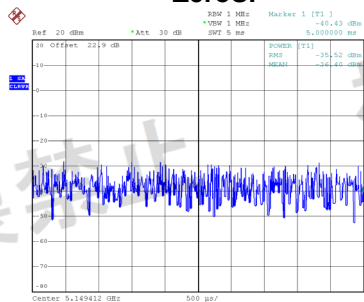


Date: 16.JAN.2026 14:21:19



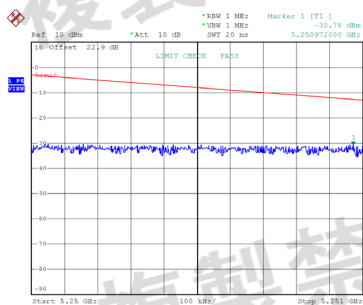
Date: 16.JAN.2026 14:23:28

ZeroSP



Date: 16.JAN.2026 14:21:24

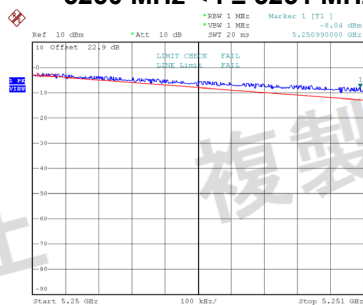
CH38



Date: 16.JAN.2026 14:21:33

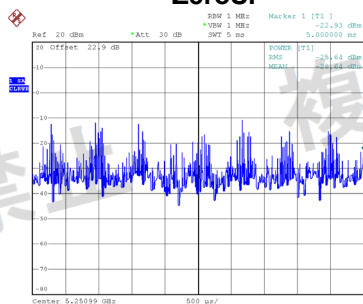
CH46

5250 MHz < f ≤ 5251 MHz



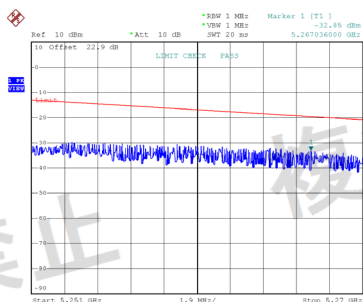
Date: 16.JAN.2026 14:23:34

ZeroSP

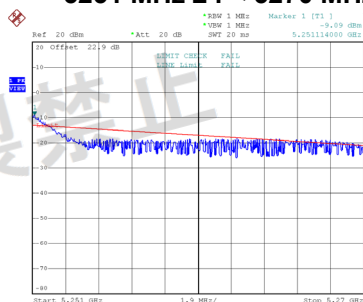


Date: 16.JAN.2026 14:23:39

5251 MHz ≤ f < 5270 MHz

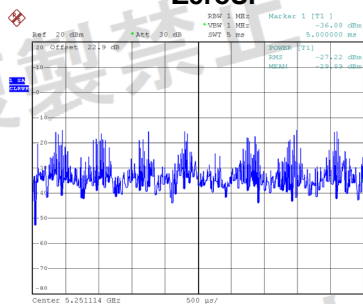


Date: 16.JAN.2026 14:21:39



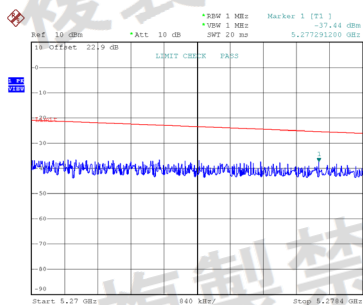
Date: 16.JAN.2026 14:23:47

ZeroSP



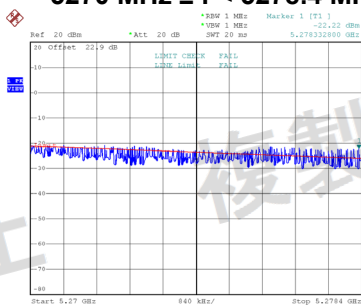
Date: 16.JAN.2026 14:23:52

CH38

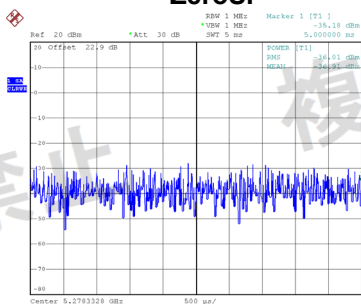


CH46

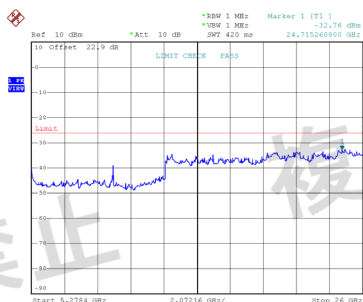
5270 MHz ≤ f < 5278.4 MHz



ZeroSP



5278.4 MHz < f ≤ 26000 MHz



Test Mode: IEEE 802.11ac(VHT80) - W52

Test Voltage		Normal Voltage	Remarks
Test Frequency (MHz)		5210	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	5123.20	30MHz ~ 5123.2MHz
	dBm/MHz	-35.60	Limit $\leq 2.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.27542	(-26.02 dBm/MHz)
	MHz	5149.89	5123.2MHz ~ 5150MHz
	dBm/MHz	-35.25	Limit $\leq 15 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.29854	(-18.24 dBm/MHz)
	MHz	5251.00	5250MHz ~ 5251MHz
	dBm/MHz	-28.77	Limit $\leq 250 \sim 25 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	1.32739	(-6 ~ -16 dBm/MHz)
	MHz	5285.55	5251MHz ~ 5290MHz
	dBm/MHz	-34.56	Limit $\leq 25 \sim 4.0 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.34995	(-16 ~ -24 dBm/MHz)
	MHz	5295.94	5290MHz ~ 5296.7MHz
	dBm/MHz	-34.73	Limit $\leq 4.0 \sim 2.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.33651	(-24 ~ -26 dBm/MHz)
	MHz	5296.70	5296.7MHz ~ 26000MHz
	dBm/MHz	-35.05	Limit $\leq 2.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.31261	(-26.02 dBm/MHz)

Note:

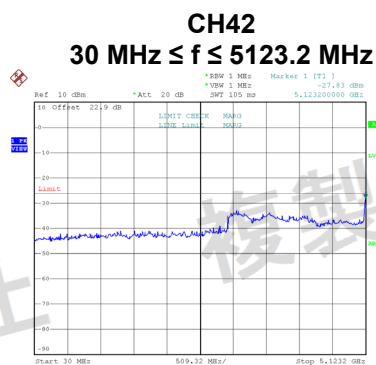
Emission value = SA measurement value (Include correction factor and cable loss)

Correction factor = $10 \log (X)$

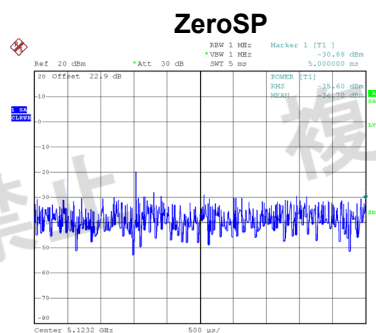
X = the total number of antennas

Explanation of Marker and ZeroSP test:

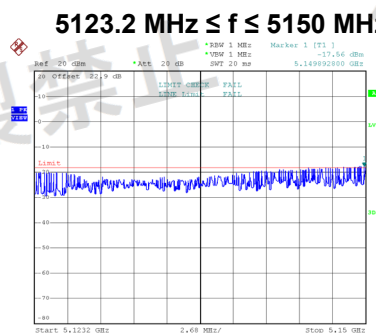
- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.



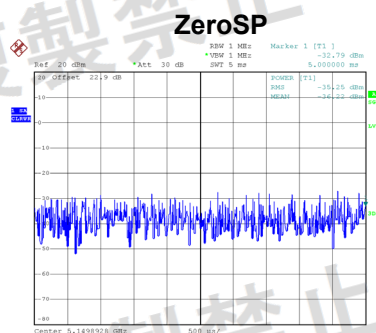
Date: 16.JAN.2026 14:39:19



Date: 16.JAN.2026 14:39:24

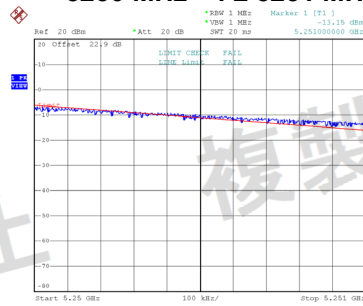


Date: 16.JAN.2026 14:39:32



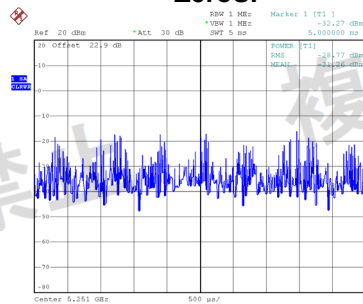
Date: 16.JAN.2026 14:39:38

CH42 5250 MHz < f ≤ 5251 MHz



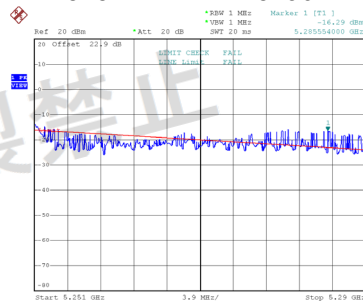
Date: 16.JAN.2026 14:39:46

ZeroSP



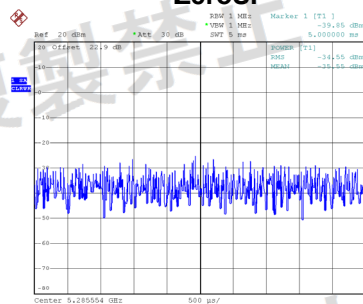
Date: 16.JAN.2026 14:39:51

5251 MHz ≤ f < 5290 MHz



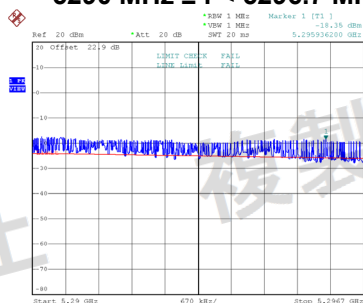
Date: 16.JAN.2026 14:39:59

ZeroSP



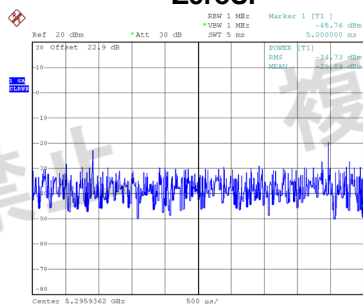
Date: 16.JAN.2026 14:40:04

CH42 5290 MHz ≤ f < 5296.7 MHz



Date: 16.JAN.2026 14:40:12

ZeroSP



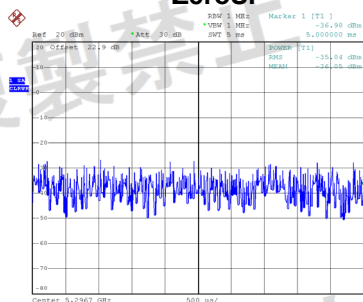
Date: 16.JAN.2026 14:40:18

5296.7 MHz < f ≤ 26000 MHz



Date: 16.JAN.2026 14:40:29

ZeroSP



Date: 16.JAN.2026 14:40:35

Test Mode: IEEE 802.11a - W53

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5260	5300	5320	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	5233.30	3099.95	3099.95	30MHz ~ 5233.3MHz
	dBm/MHz	-30.10	-32.00	-32.75	Limit $\leq 2.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.97724	0.63096	0.53088	(-26.02 dBm/MHz)
	MHz	5233.34	5233.31	5233.46	5233.3MHz ~ 5240MHz
	dBm/MHz	-36.61	-37.04	-35.29	Limit $\leq 2.5 \sim 15.8 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.21827	0.19770	0.29580	(-26 ~ -18dBm/MHz)
	MHz	5240.40	5240.13	5240.04	5240MHz ~ 5249MHz
	dBm/MHz	-35.57	-35.28	-34.95	Limit $\leq 15.8 \sim 100 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.27733	0.29648	0.31989	(-18 ~ -10 dBm/MHz)
	MHz	5249.99	5249.03	5249.01	5249MHz ~ 5250MHz
	dBm/MHz	-5.61	-35.44	-36.09	Limit $\leq 100 \sim 1000 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	274.78942	0.28576	0.24604	(-10 ~ 0 dBm/MHz)
	MHz	10512.50	10595.10	5350.00	5350MHz ~ 26000MHz
	dBm/MHz	-34.40	-35.98	-32.85	Limit $\leq 2.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.36308	0.25235	0.51880	(-26.02 dBm/MHz)

Note:

Emission value = SA measurement value (Include correction factor and cable loss)

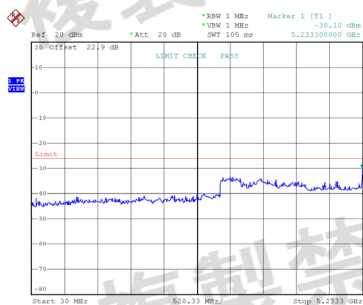
Correction factor = $10 \log (X)$

X = the total number of antennas

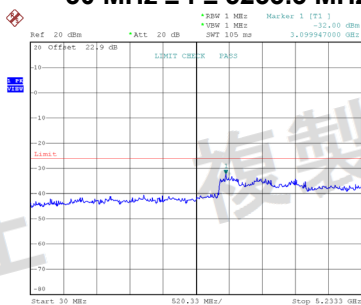
Explanation of Marker and ZeroSP test:

- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

CH52

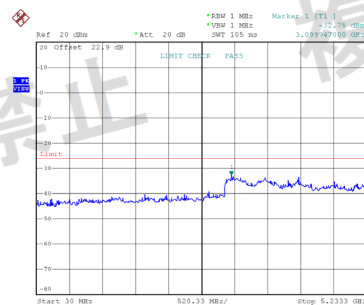


Date: 16.JAN.2026 13:24:30

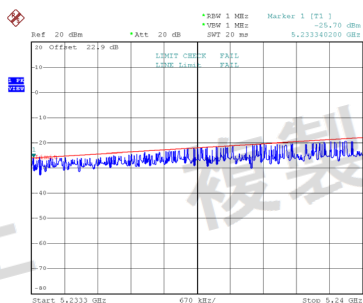
CH60
 $30 \text{ MHz} \leq f \leq 5233.3 \text{ MHz}$ 

Date: 16.JAN.2026 13:26:19

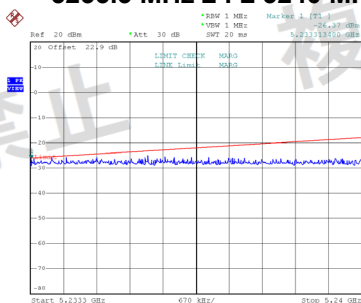
CH64



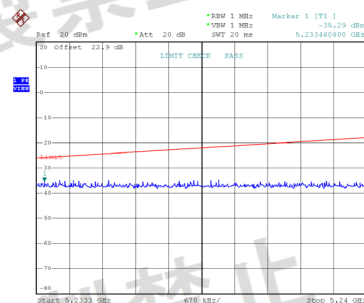
Date: 16.JAN.2026 13:33:31

 $5233.3 \text{ MHz} \leq f \leq 5240 \text{ MHz}$ 

Date: 16.JAN.2026 13:24:37

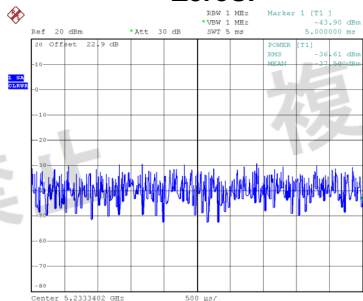


Date: 16.JAN.2026 13:26:25

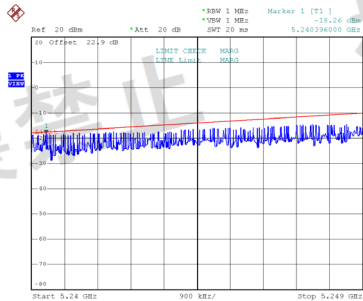


Date: 16.JAN.2026 13:33:30

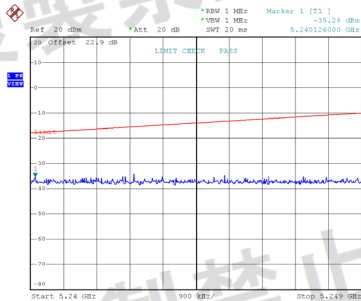
ZeroSP



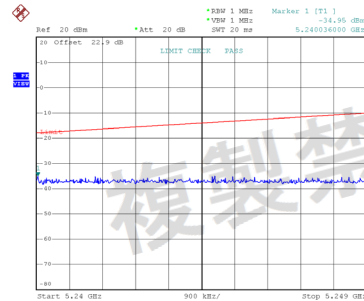
Date: 16.JAN.2026 13:24:42

 $5240 \text{ MHz} < f \leq 5249 \text{ MHz}$ 

Date: 16.JAN.2026 13:24:50

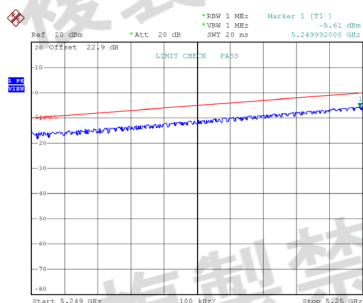


Date: 16.JAN.2026 13:26:39



Date: 16.JAN.2026 13:33:45

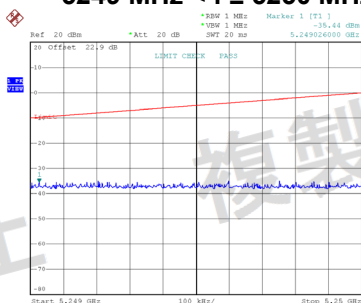
CH52



Date: 16.JAN.2026 13:25:04

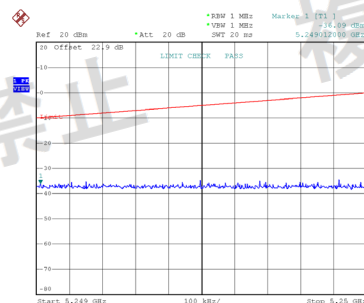
CH60

5249 MHz < f ≤ 5250 MHz



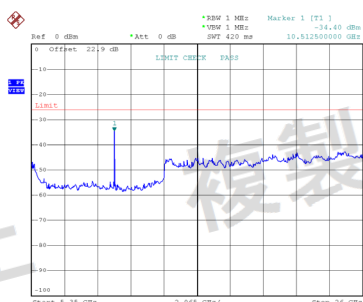
Date: 16.JAN.2026 13:26:46

CH64

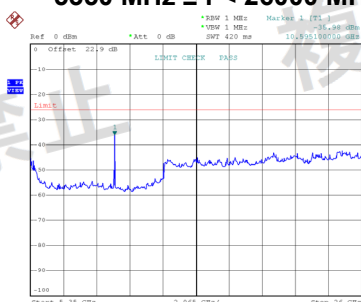


Date: 16.JAN.2026 13:33:52

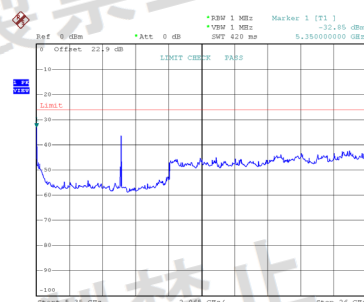
5350 MHz ≤ f < 26000 MHz



Date: 16.JAN.2026 13:25:14



Date: 16.JAN.2026 13:26:56



Date: 16.JAN.2026 13:34:00

Test Mode: IEEE 802.11ac(VHT20) - W53

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5260	5300	5320	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	5233.30	3058.32	3089.54	30MHz ~ 5233.3MHz
	dBm/MHz	-29.87	-32.80	-33.07	Limit $\leq 2.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	1.03039	0.52481	0.49317	(-26.02 dBm/MHz)
	MHz	5234.26	5234.18	5233.42	5233.3MHz ~ 5240MHz
	dBm/MHz	-36.04	-37.16	-35.86	Limit $\leq 2.5 \sim 15.8 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.24889	0.19231	0.25942	(-26 ~ -18dBm/MHz)
	MHz	5248.98	5240.70	5240.22	5240MHz ~ 5249MHz
	dBm/MHz	-12.28	-35.08	-34.94	Limit $\leq 15.8 \sim 100 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	59.15616	0.31046	0.32063	(-18 ~ -10 dBm/MHz)
	MHz	5249.99	5249.04	5249.01	5249MHz ~ 5250MHz
	dBm/MHz	-7.85	-35.83	-36.01	Limit $\leq 100 \sim 1000 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	164.05898	0.26122	0.25061	(-10 ~ 0 dBm/MHz)
	MHz	10512.50	10595.10	5350.00	5350MHz ~ 26000MHz
	dBm/MHz	-39.36	-36.23	-36.03	Limit $\leq 2.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.11588	0.23823	0.24946	(-26.02 dBm/MHz)

Note:

Emission value = SA measurement value (Include correction factor and cable loss)

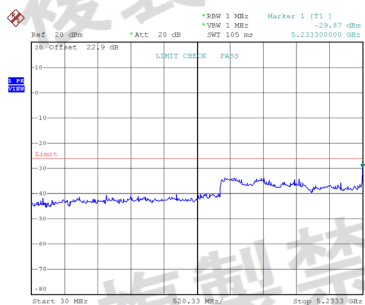
Correction factor = $10 \log (X)$

X = the total number of antennas

Explanation of Marker and ZeroSP test:

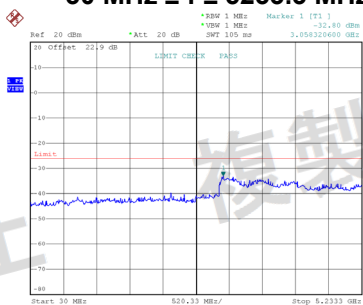
- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

CH52



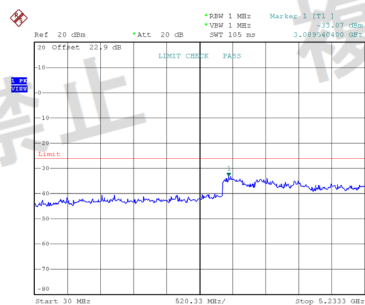
Date: 16.JAN.2026 14:07:53

CH60 30 MHz ≤ f ≤ 5233.3 MHz



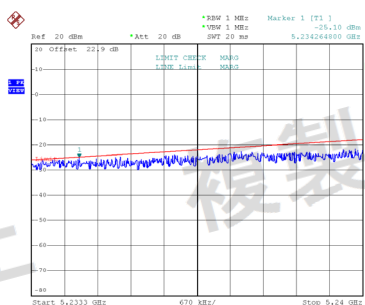
Date: 16.JAN.2026 14:09:11

CH64

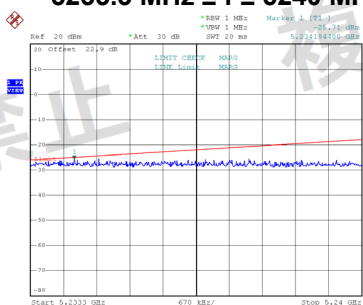


Date: 16.JAN.2026 14:10:19

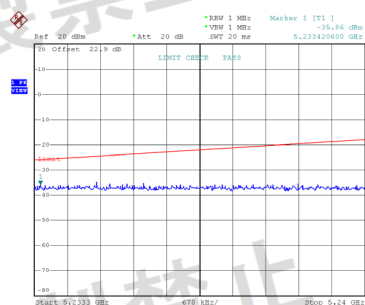
5233.3 MHz ≤ f ≤ 5240 MHz



Date: 16.JAN.2026 14:08:01

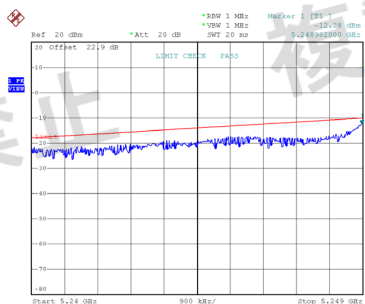


Date: 16.JAN.2026 14:09:18

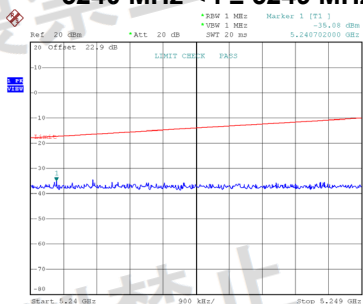


Date: 16.JAN.2026 14:10:26

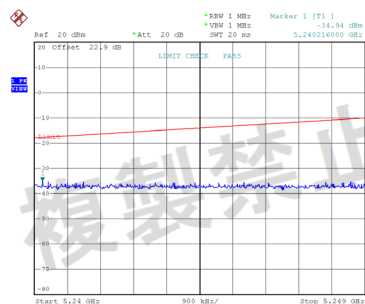
5240 MHz < f ≤ 5249 MHz



Date: 16.JAN.2026 14:08:14

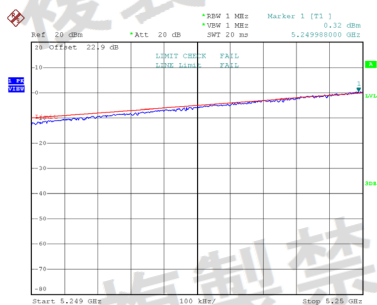


Date: 16.JAN.2026 14:09:31



Date: 16.JAN.2026 14:10:33

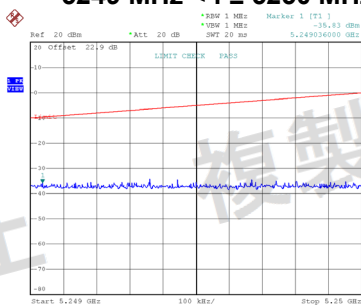
CH52



Date: 16.JAN.2026 14:08:21

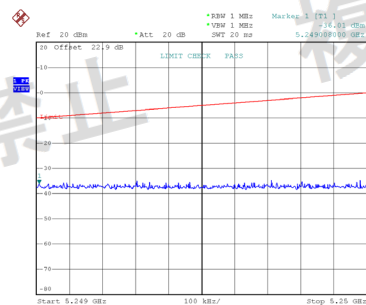
CH60

5249 MHz < f ≤ 5250 MHz



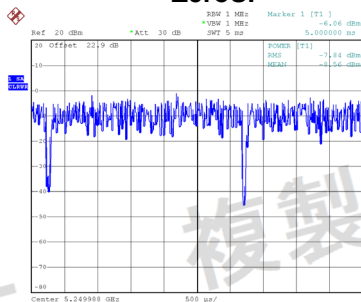
Date: 16.JAN.2026 14:09:38

CH64



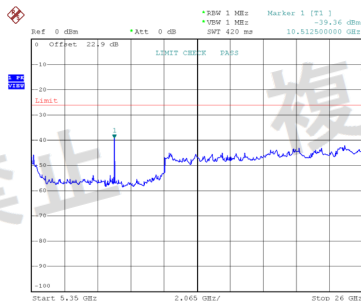
Date: 16.JAN.2026 14:10:40

ZeroSP



Date: 16.JAN.2026 14:08:26

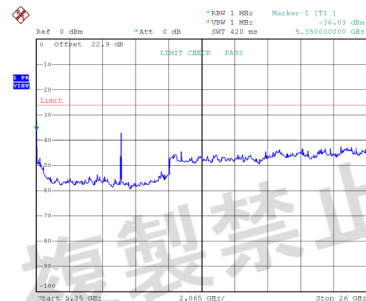
5350 MHz ≤ f < 26000 MHz



Date: 16.JAN.2026 14:08:38



Date: 16.JAN.2026 14:09:40



Date: 16.JAN.2026 14:10:40

Test Mode: IEEE 802.11ac(VHT40) - W53

Test Voltage		Normal Voltage		Remarks
Test Frequency (MHz)		5270	5310	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	5221.60	5159.30	30MHz ~ 5221.6MHz
	dBm/MHz	-28.48	-42.58	Limit $\leq 2.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	1.41906	0.05521	(-26.02 dBm/MHz)
	MHz	5221.99	5221.62	5221.6MHz ~ 5230MHz
	dBm/MHz	-36.27	-39.76	Limit $\leq 2.5 \sim 7.9 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.23605	0.10568	(-26 ~ -21 dBm/MHz)
	MHz	5248.96	5236.31	5230MHz ~ 5249MHz
	dBm/MHz	-26.45	-34.06	Limit $\leq 7.9 \sim 50 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	2.26464	0.39264	(-21 ~ -13 dBm/MHz)
	MHz	5249.00	5249.04	5249MHz ~ 5250MHz
	dBm/MHz	-24.86	-30.25	Limit $\leq 50 \sim 500 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	3.26588	0.94406	(-13 ~ -3 dBm/MHz)
	MHz	5352.15	5350.59	5350MHz ~ 5358.4MHz
	dBm/MHz	-32.23	-22.73	Limit $\leq 15 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.59841	5.33335	(-18.24 dBm/MHz)
	MHz	25091.77	5358.40	5358.4MHz ~ 26000MHz
	dBm/MHz	-32.56	-31.21	Limit $\leq 2.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.55463	0.75683	(-26.02 dBm/MHz)

Note:

Emission value = SA measurement value (Include correction factor and cable loss)

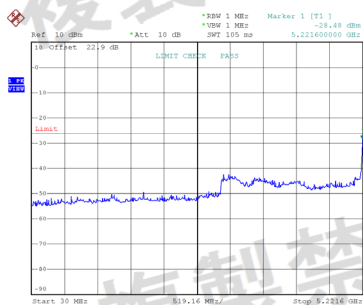
Correction factor = $10 \log(X)$

X = the total number of antennas

Explanation of Marker and ZeroSP test:

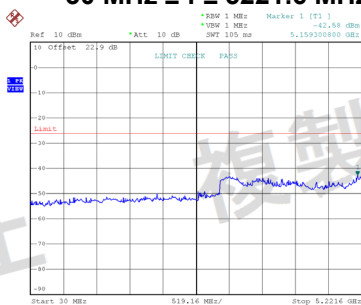
- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

CH54



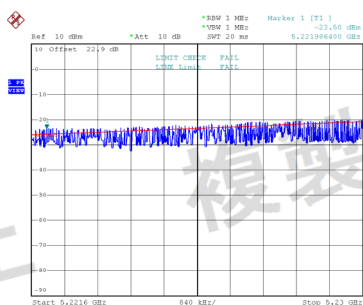
Date: 16.JAN.2026 14:24:57

CH62 30 MHz ≤ f ≤ 5221.6 MHz

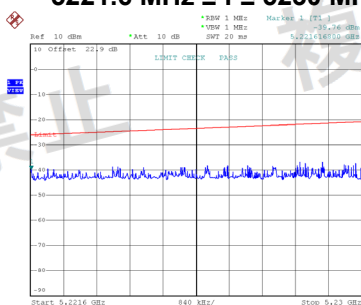


Date: 16.JAN.2026 14:28:20

5221.6 MHz ≤ f ≤ 5230 MHz

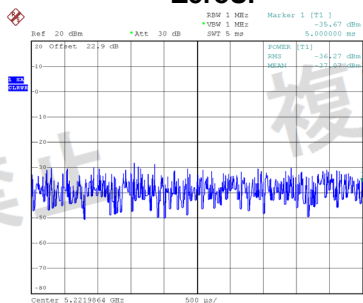


Date: 16.JAN.2026 14:25:04



Date: 16.JAN.2026 14:28:27

ZeroSP



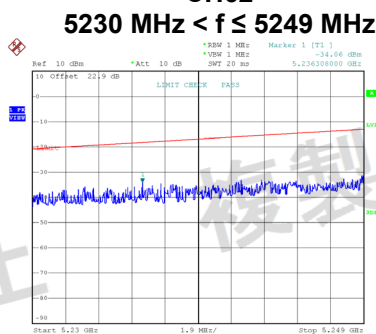
Date: 16.JAN.2026 14:25:10

CH54



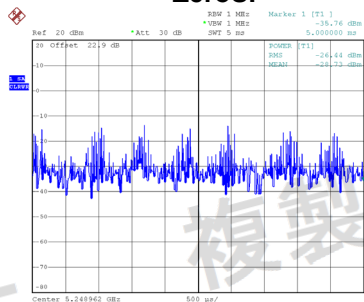
Date: 16.JAN.2026 14:25:18

CH62



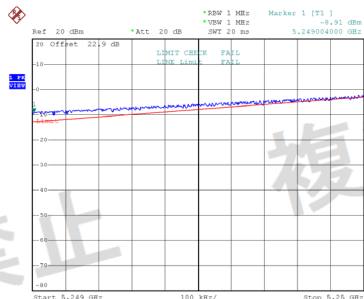
Date: 16.JAN.2026 14:28:34

ZeroSP

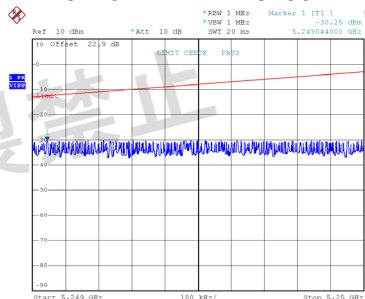


Date: 16.JAN.2026 14:25:23

5249 MHz ≤ f < 5250 MHz

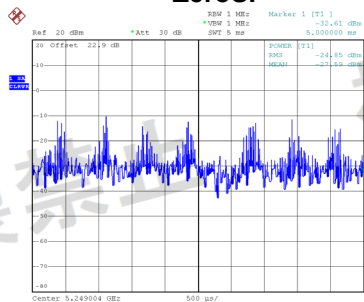


Date: 16.JAN.2026 14:25:31



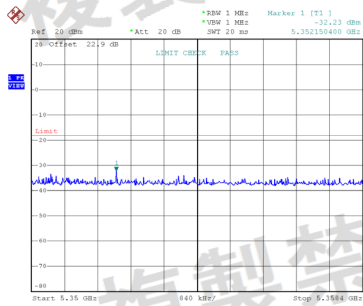
Date: 16.JAN.2026 14:28:41

ZeroSP



Date: 16.JAN.2026 14:25:36

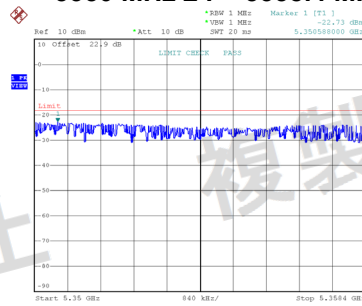
CH54



Date: 16.JAN.2026 14:25:44

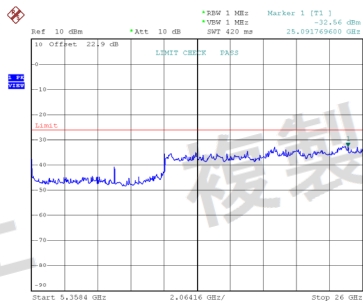
CH62

5350 MHz ≤ f < 5358.4 MHz

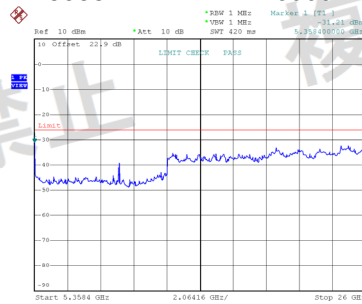


Date: 16.JAN.2026 14:28:47

5358.4 MHz < f ≤ 26000 MHz



Date: 16.JAN.2026 14:25:55



Date: 16.JAN.2026 14:28:58

Test Mode: IEEE 802.11ac(VHT80) - W53

Test Voltage		Normal Voltage	Remarks
Test Frequency (MHz)		5290	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	5203.30	30MHz ~ 5203.3MHz
	dBm/MHz	-35.67	Limit $\leq 2.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.27102	(-26.02 dBm/MHz)
	MHz	5203.88	5203.3MHz ~ 5210MHz
	dBm/MHz	-35.37	Limit $\leq 2.5 \sim 4 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.29040	(-26 ~ -24 dBm/MHz)
	MHz	5249.00	5210MHz ~ 5249MHz
	dBm/MHz	-28.79	Limit $\leq 4 \sim 25 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	1.32130	(-24 ~ -16 dBm/MHz)
	MHz	5249.00	5249MHz ~ 5250MHz
	dBm/MHz	-29.17	Limit $\leq 25 \sim 250 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	1.21060	(-16 ~ -6 dBm/MHz)
	MHz	5365.28	5350MHz ~ 5376.8MHz
	dBm/MHz	-35.68	Limit $\leq 15 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.27040	(-18.24 dBm/MHz)
	MHz	5376.80	5376.8MHz ~ 26000MHz
	dBm/MHz	-35.85	Limit $\leq 2.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.26002	(-26.02 dBm/MHz)

Note:

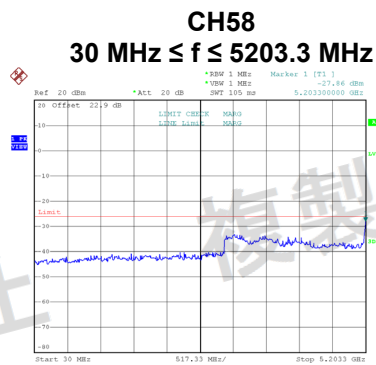
Emission value = SA measurement value (Include correction factor and cable loss)

Correction factor = $10 \log (X)$

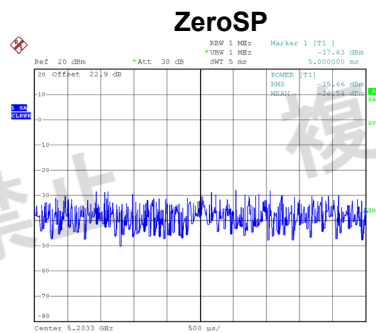
X = the total number of antennas

Explanation of Marker and ZeroSP test:

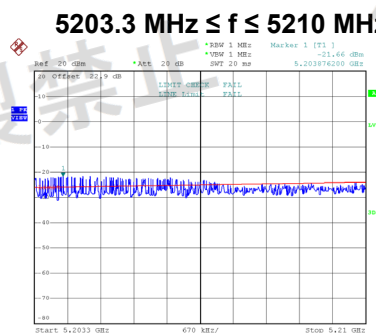
- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.



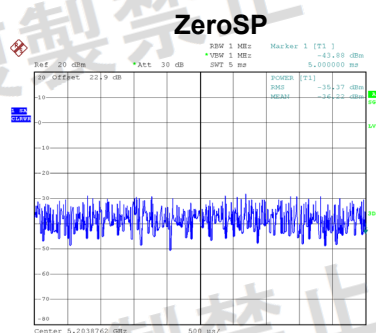
Date: 16.JAN.2026 14:41:25



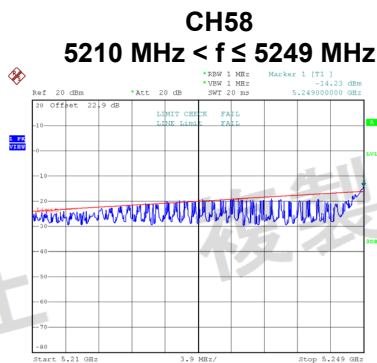
Date: 16.JAN.2026 14:41:30



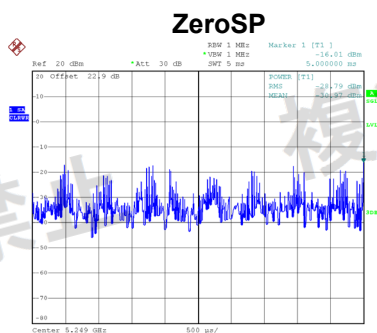
Date: 16.JAN.2026 14:41:30



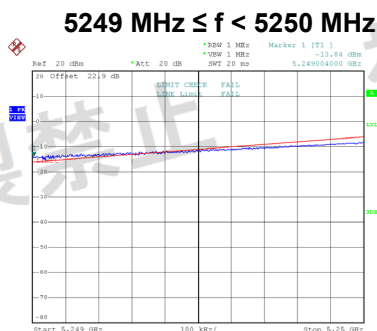
Date: 16.JAN.2026 14:41:44



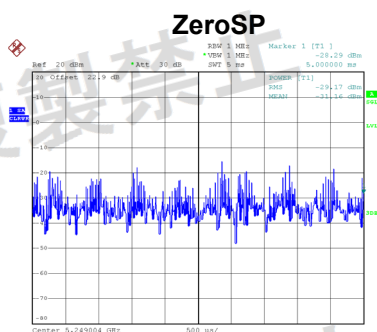
Date: 16.JAN.2026 14:41:52



Date: 16.JAN.2026 14:41:57

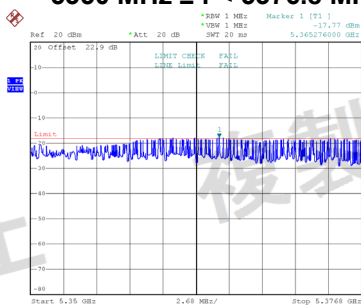


Date: 16.JAN.2026 14:42:05



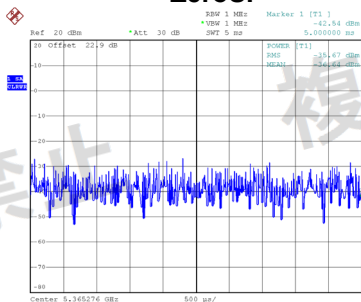
Date: 16.JAN.2026 14:42:10

CH58 5350 MHz ≤ f < 5376.8 MHz



Date: 16.JAN.2026 14:42:19

ZeroSP



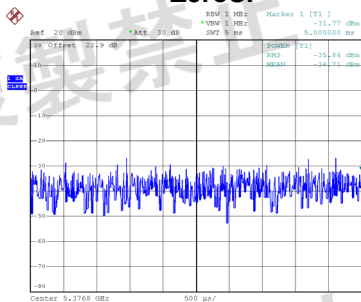
Date: 16.JAN.2026 14:42:23

5376.8 MHz < f ≤ 26000 MHz



Date: 16.JAN.2026 14:42:35

ZeroSP



Date: 16.JAN.2026 14:42:41

Test Mode: IEEE 802.11a - W56

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5500	5600	5720	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	5460.00	2397.48	3244.56	30MHz ~ 5460MHz
	dBm/MHz	-28.16	-28.38	-33.76	Limit $\leq 2.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	1.52757	1.45211	0.42073	(-26.02 dBm/MHz)
	MHz	5469.66	5465.24	5468.38	5460MHz ~ 5470MHz
	dBm/MHz	-34.63	-36.45	-36.28	Limit $\leq 12.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.34435	0.22646	0.23550	(-19.03 dBm/MHz)
	MHz	5745.56	5750.68	5747.00	5745MHz ~ 5765MHz
	dBm/MHz	-34.14	-34.77	-29.95	Limit $\leq 12.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.38548	0.33343	1.01158	(-19.03 dBm/MHz)
	MHz	10985.63	11187.98	5765.00	5765MHz ~ 26000MHz
	dBm/MHz	-36.50	-37.00	-28.71	Limit $\leq 2.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.22387	0.19953	1.34586	(-26.02 dBm/MHz)

Note:

Emission value = SA measurement value (Include correction factor and cable loss)

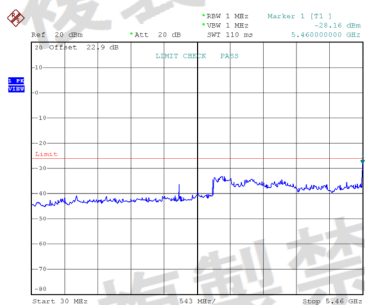
Correction factor = $10 \log (X)$

X = the total number of antennas

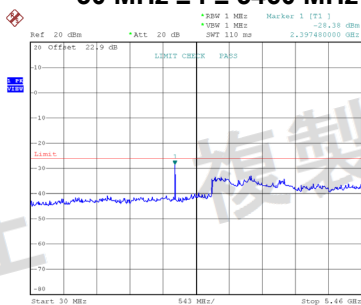
Explanation of Marker and ZeroSP test:

- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

CH100

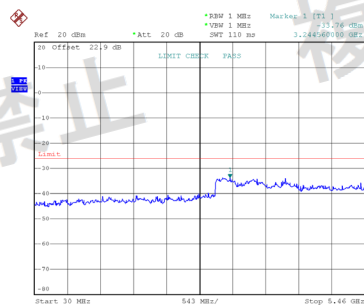


Date: 16.JAN.2026 13:39:22

CH120
30 MHz ≤ f ≤ 5460 MHz

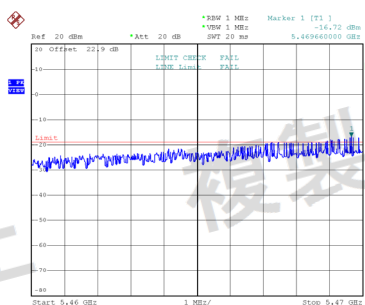
Date: 16.JAN.2026 13:40:41

CH144

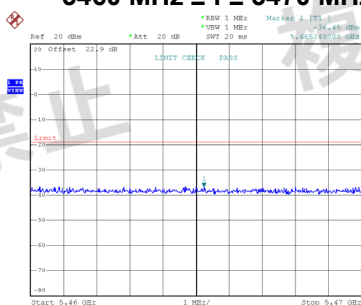


Date: 16.JAN.2026 13:42:57

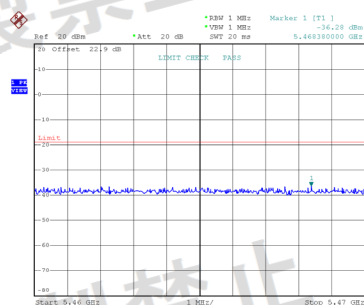
5460 MHz ≤ f ≤ 5470 MHz



Date: 16.JAN.2026 13:39:29

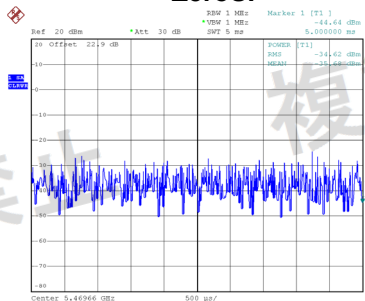


Date: 16.JAN.2026 13:40:47



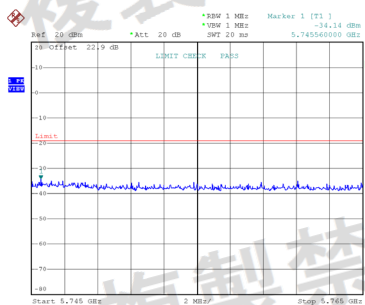
Date: 16.JAN.2026 13:42:14

ZeroSP



Date: 16.JAN.2026 13:39:34

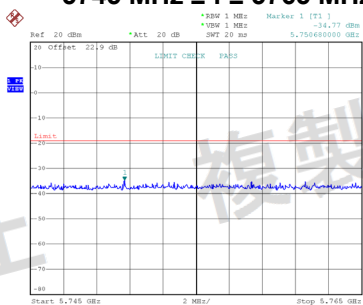
CH100



Date: 16.JAN.2026 13:39:48

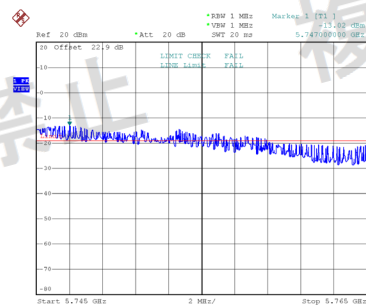
CH120

5745 MHz ≤ f ≤ 5746 MHz



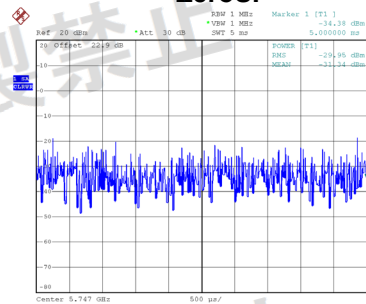
Date: 16.JAN.2026 13:40:53

CH144



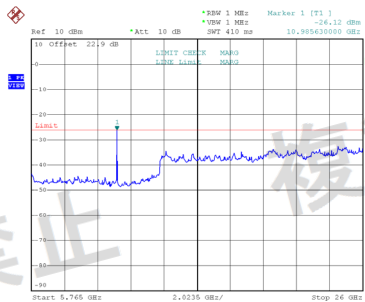
Date: 16.JAN.2026 13:42:21

ZeroSP

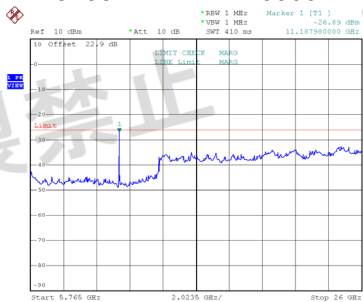


Date: 16.JAN.2026 13:42:26

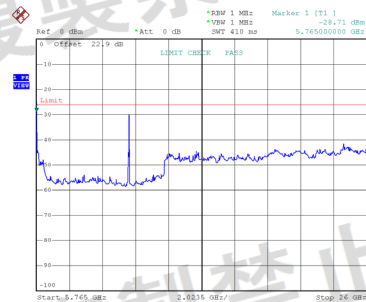
5746 MHz ≤ f < 26000 MHz



Date: 16.JAN.2026 13:39:54

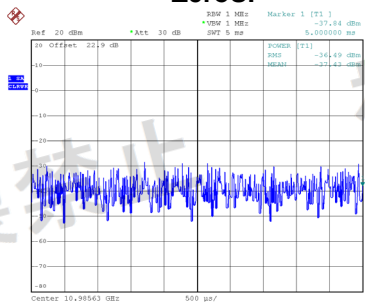


Date: 16.JAN.2026 13:41:04



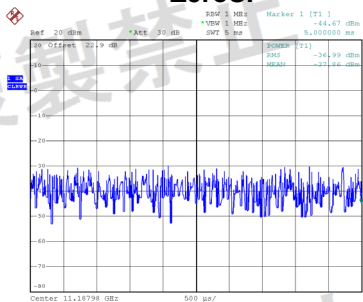
Date: 16.JAN.2026 13:42:38

ZeroSP



Date: 16.JAN.2026 13:39:59

ZeroSP



Date: 16.JAN.2026 13:41:10

Test Mode:	IEEE 802.11ac(VHT20) - W56
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Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5500	5600	5720	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	5460.00	3211.98	3103.38	30MHz ~ 5460MHz
	dBm/MHz	-36.78	-32.24	-32.67	Limit $\leq 2.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.20989	0.59704	0.54075	(-26.02 dBm/MHz)
	MHz	5468.48	5462.70	5460.12	5460MHz ~ 5470MHz
	dBm/MHz	-33.80	-35.83	-35.19	Limit $\leq 12.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.41687	0.26122	0.30269	(-19.03 dBm/MHz)
	MHz	5745.28	5753.92	5745.08	5745MHz ~ 5765MHz
	dBm/MHz	-34.42	-35.14	-25.49	Limit $\leq 12.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.36141	0.30620	2.82488	(-19.03 dBm/MHz)
	MHz	10985.63	11187.98	5765.00	5765MHz ~ 26000MHz
	dBm/MHz	-36.24	-28.56	-35.19	Limit $\leq 2.5 \mu\text{W/MHz}$
	$\mu\text{W/MHz}$	0.23768	1.39316	0.30269	(-26.02 dBm/MHz)

Note:

Emission value = SA measurement value (Include correction factor and cable loss)

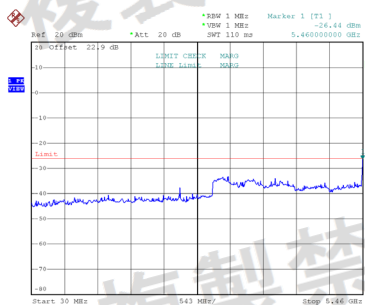
Correction factor = $10 \log (X)$

X = the total number of antennas

Explanation of Marker and ZeroSP test:

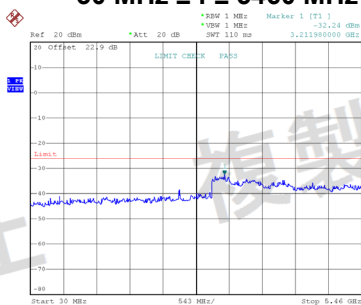
- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

CH100



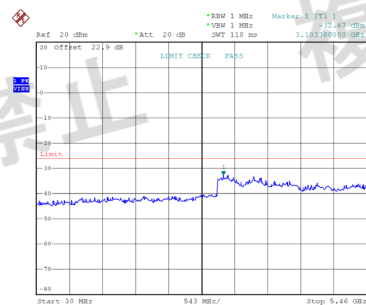
Date: 16.JAN.2026 14:11:34

CH120 30 MHz ≤ f ≤ 5460 MHz



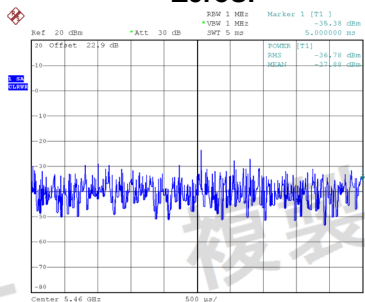
Date: 16.JAN.2026 14:12:54

CH144



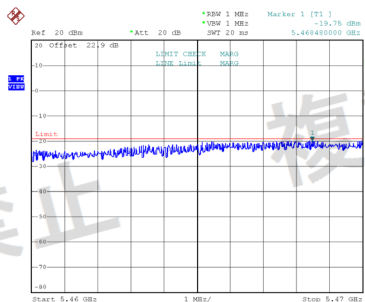
Date: 16.JAN.2026 14:16:54

ZeroSP

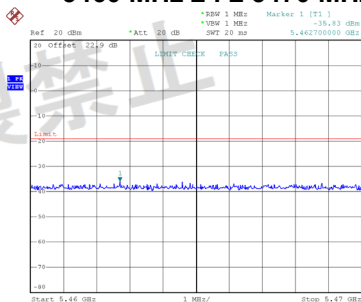


Date: 16.JAN.2026 14:11:39

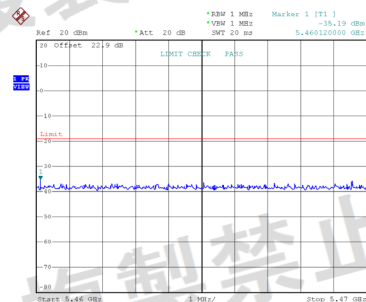
5460 MHz ≤ f ≤ 5470 MHz



Date: 16.JAN.2026 14:11:47

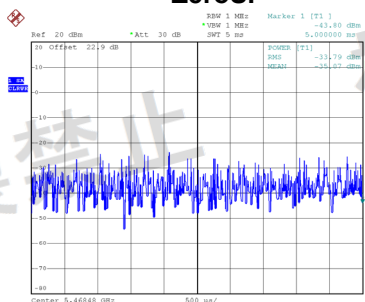


Date: 16.JAN.2026 14:13:01



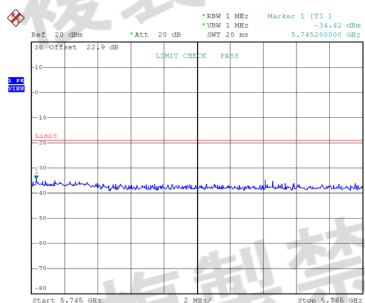
Date: 16.JAN.2026 14:17:01

ZeroSP



Date: 16.JAN.2026 14:11:53

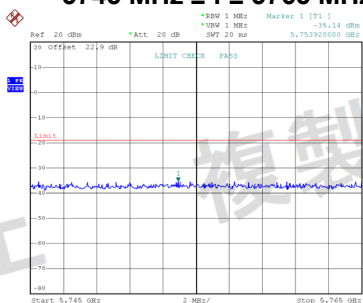
CH100



Date: 16.JAN.2026 14:12:04

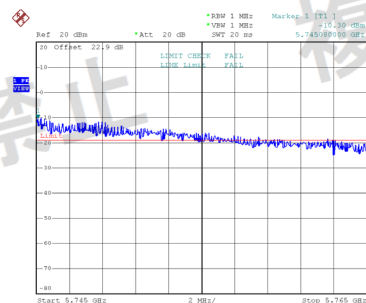
CH120

5745 MHz ≤ f ≤ 5765 MHz



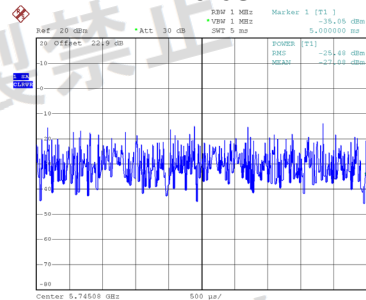
Date: 16.JAN.2026 14:13:07

CH144



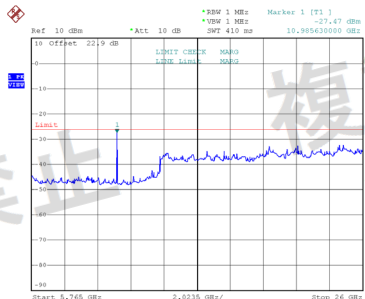
Date: 16.JAN.2026 14:17:07

ZeroSP

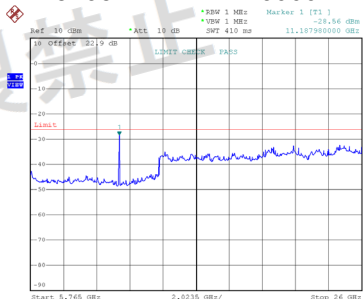


Date: 16.JAN.2026 14:17:12

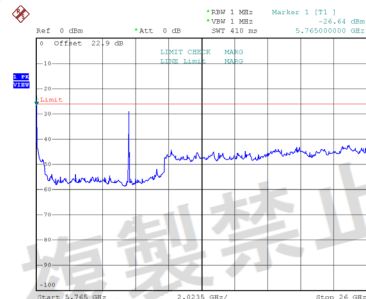
5765 MHz ≤ f < 26000 MHz



Date: 16.JAN.2026 14:12:12

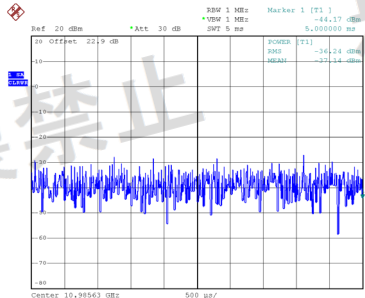


Date: 16.JAN.2026 14:13:10



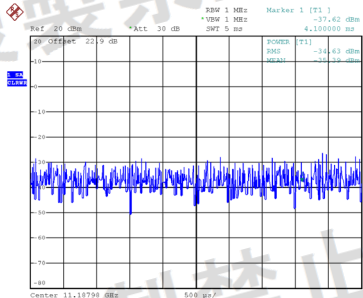
Date: 16.JAN.2026 14:17:24

ZeroSP



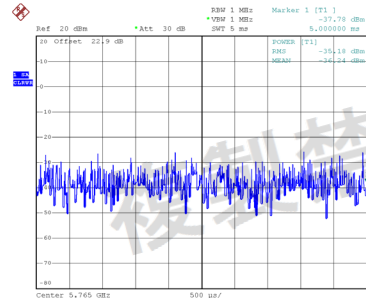
Date: 16.JAN.2026 14:12:17

ZeroSP



Date: 25.JAN.2026 10:29:20

ZeroSP



Date: 16.JAN.2026 14:17:30

Test Mode: IEEE 802.11ac(VHT40) - W56

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5510	5590	5710	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	5460.00	5449.14	3190.26	30MHz ~ 5460MHz
	dBm/MHz	-31.50	-41.28	-41.86	Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)
	$\mu\text{W/MHz}$	0.70795	0.07447	0.06516	
	MHz	5469.56	5464.18	5463.86	5460MHz ~ 5470MHz
	dBm/MHz	-26.64	-35.89	-42.26	Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)
	$\mu\text{W/MHz}$	2.16770	0.25763	0.05943	
	MHz	10989.34	24867.12	5770.00	5770MHz ~ 26000MHz
	dBm/MHz	-31.56	-32.00	-21.58	Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)
	$\mu\text{W/MHz}$	0.69823	0.63096	6.95024	

Note:

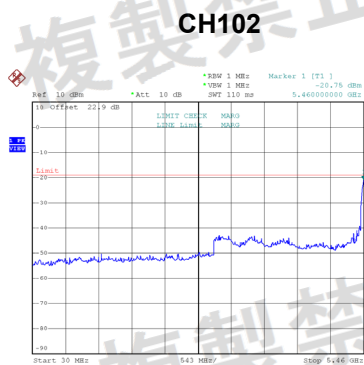
Emission value = SA measurement value (Include correction factor and cable loss)

Correction factor = $10 \log(X)$

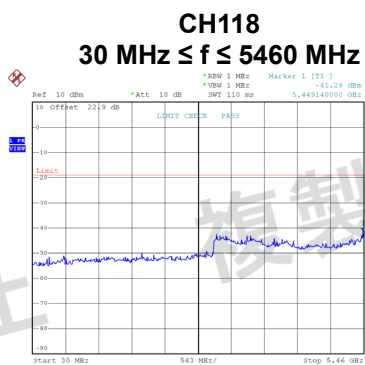
X = the total number of antennas

Explanation of Marker and ZeroSP test:

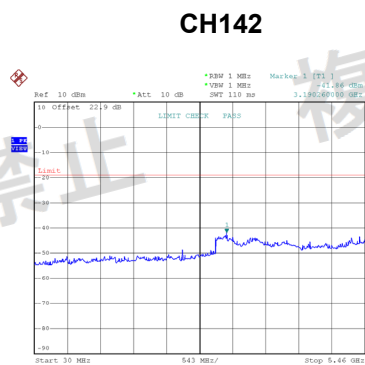
- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.



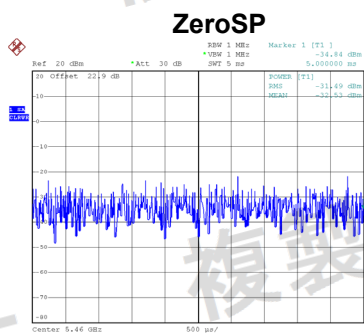
Date: 16.JAN.2026 14:35:33



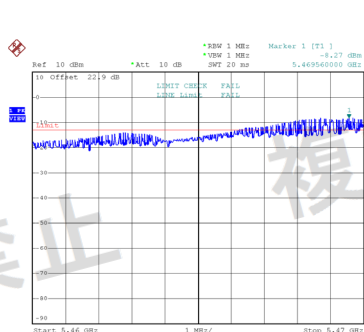
Date: 16.JAN.2026 14:36:40



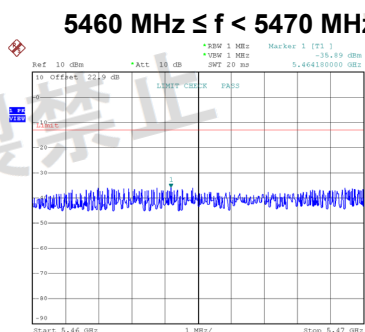
Date: 16.JAN.2026 14:37:41



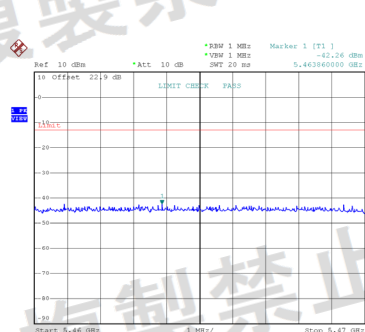
Date: 16.JAN.2026 14:35:39



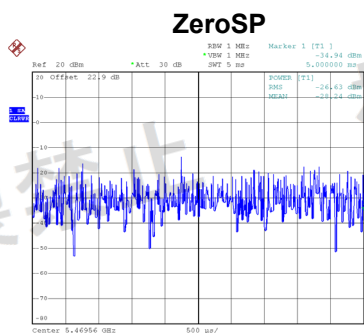
Date: 16.JAN.2026 14:35:47



Date: 16.JAN.2026 14:36:47

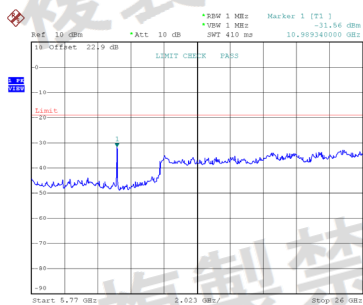


Date: 16.JAN.2026 14:37:48

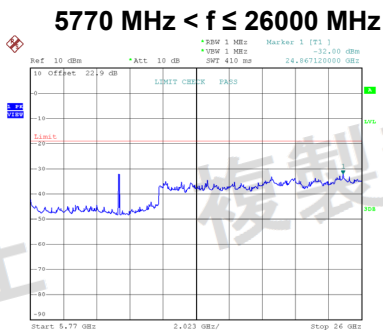


Date: 16 JAN 2026 14:35:52

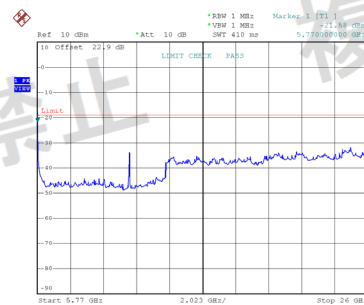
CH102



CH118



CH142



Test Mode: IEEE 802.11ac(VHT80) - W56

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5530	5610	5690	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	5460.00	5449.14	3179.40	30MHz ~ 5460MHz
	dBm/MHz	-23.16	-24.33	-33.01	Limit ≤ 12.5 μW/MHz
	μW/MHz	4.83059	3.68978	0.50003	(-19.03 dBm/MHz)
	MHz	5466.69	5468.68	5467.43	5460MHz ~ 5469.5MHz
	dBm/MHz	-22.80	-21.40	-32.41	Limit ≤ 50 μW/MHz
	μW/MHz	5.24807	7.24436	0.57412	(-13.01 dBm/MHz)
	MHz	5469.96	5469.58	5469.74	5469.5MHz ~ 5470MHz
	dBm/MHz	-22.90	-21.71	-32.09	Limit ≤ 51.2 μW/MHz
	μW/MHz	5.12861	6.74528	0.61802	(-12.91 dBm/MHz)
	MHz	24948.04	5770.00	5770.00	5770MHz ~ 26000MHz
	dBm/MHz	-31.58	-28.66	-22.59	Limit ≤ 12.5 μW/MHz
	μW/MHz	0.69502	1.36144	5.50808	(-19.03 dBm/MHz)

Note:

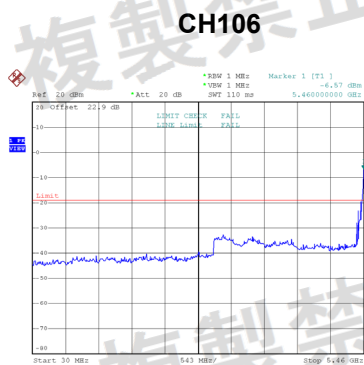
Emission value = SA measurement value (Include correction factor and cable loss)

Correction factor = 10 log (X)

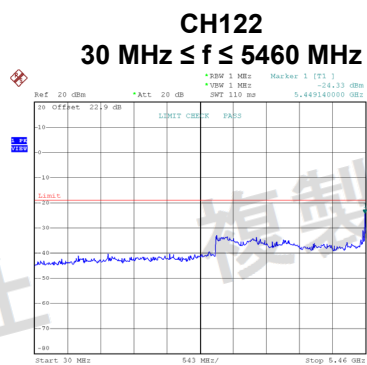
X = the total number of antennas

Explanation of Marker and ZeroSP test:

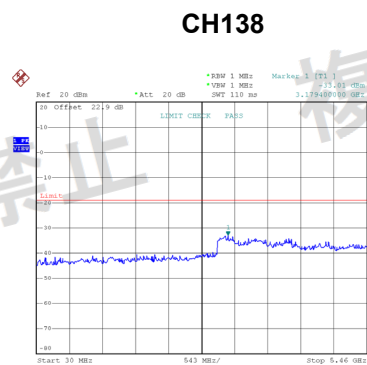
- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.



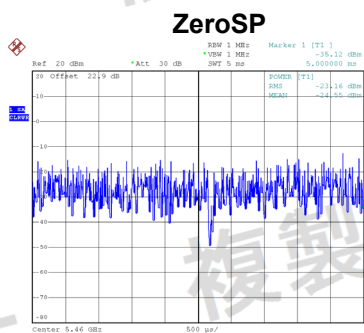
Date: 16.JAN.2026 14:43:26



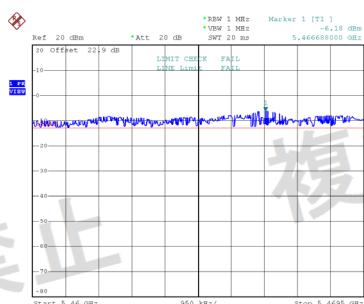
Date: 16.JAN.2026 14:44:49



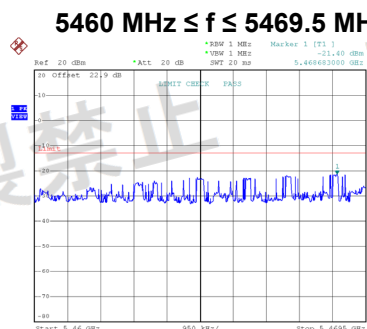
Date: 16.JAN.2026 14:46:20



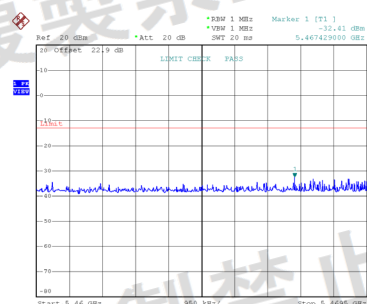
Date: 16.JAN.2026 14:43:31



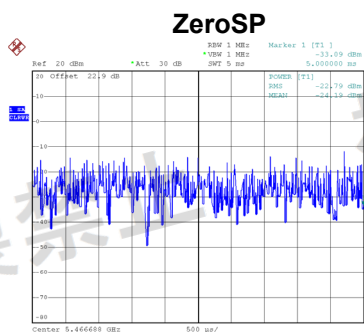
Date: 16.JAN.2026 14:43:39



Date: 16.JAN.2026 14:44:56

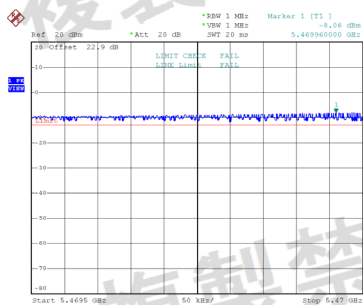


Date: 16.JAN.2026 14:46:27



Date: 16.JAN.2026 14:43:44

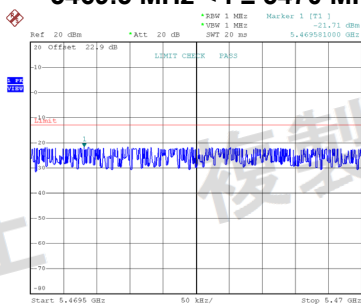
CH106



Date: 16.JAN.2026 14:43:52

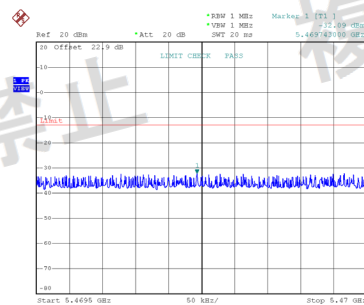
CH122

5469.5 MHz < f ≤ 5470 MHz



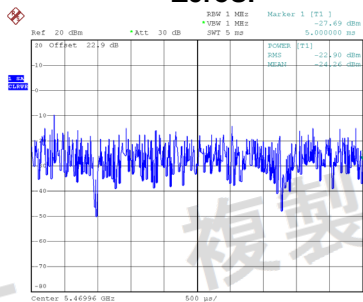
Date: 16.JAN.2026 14:45:03

CH138



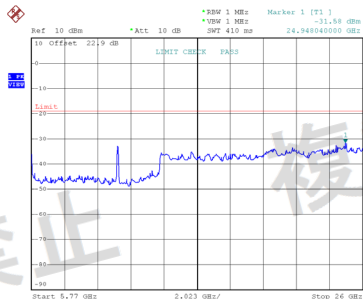
Date: 16.JAN.2026 14:46:34

ZeroSP

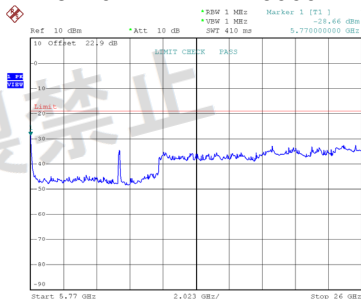


Date: 16.JAN.2026 14:43:57

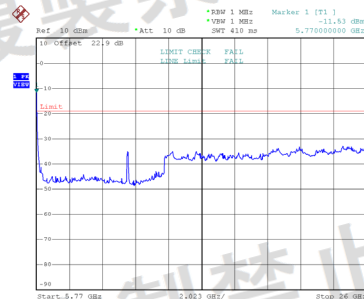
5770 MHz < f ≤ 26000 MHz



Date: 16.JAN.2026 14:44:09

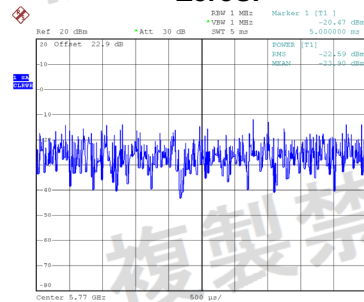


Date: 16.JAN.2026 14:45:13



Date: 16.JAN.2026 14:46:44

ZeroSP



Date: 16.JAN.2026 14:46:49

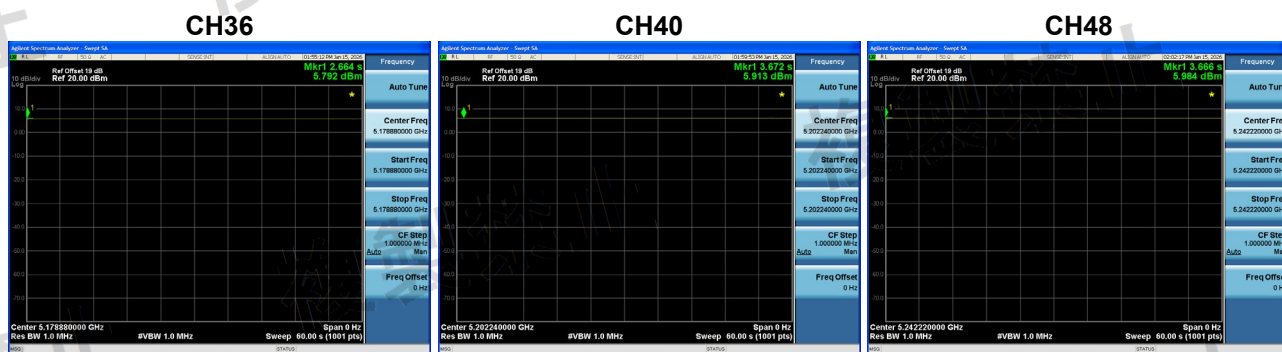
APPENDIX D - ANTENNA POWER TOLERANCE

Test Mode:	IEEE 802.11a - W52
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Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5180	5200	5240	Low/Mid/High of test frequency range
Antenna Power (Conducted) (mW/MHz)	3.7949	3.9021	3.9664	Limit ≤ 10 mW/MHz
Antenna Power (Rated) (mW/MHz)	3.97			-
Antenna Power Tolerance (%)	-4.41	-1.71	-0.09	Limit + 20% ~ - 80%
EIRP (mW/MHz)	9.2512	9.5126	9.6694	Limit ≤ 10 mW/MHz

Note:

1. Antenna power tolerance = (conducted antenna power - rated antenna power)/rated antenna power * 100%
2. EIRP (dBm/MHz) = conducted antenna power (dBm/MHz) + max. antenna gain (dBi)
3. Antenna Power value = SA measurement value (Include correction factor and cable loss)
Correction factor = 10 log (X)
X = the total number of antennas

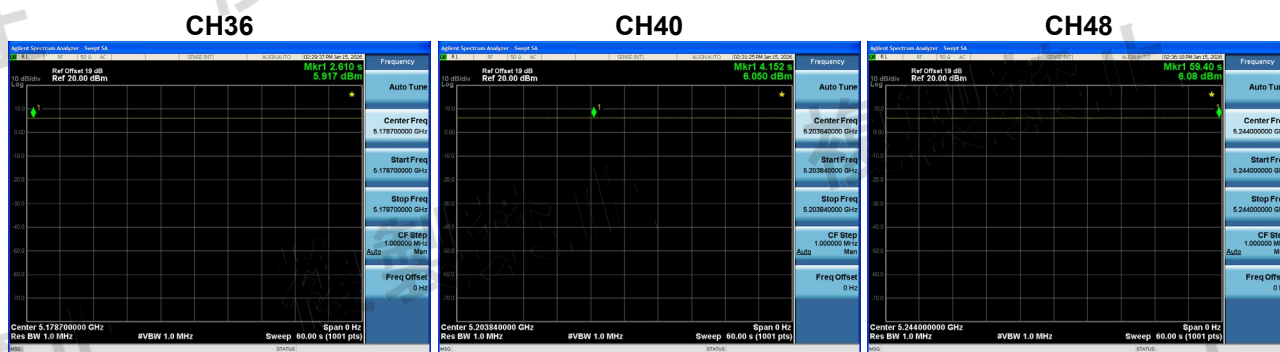


Test Mode: IEEE 802.11ac(VHT20) - W52

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5180	5200	5240	Low/Mid/High of test frequency range
Antenna Power (Conducted) (mW/MHz)	3.9057	4.0272	4.0551	Limit ≤ 10 mW/MHz
Antenna Power (Rated) (mW/MHz)	4.06			-
Antenna Power Tolerance (%)	-3.80	-0.81	-0.12	Limit + 20% ~ - 80%
EIRP (mW/MHz)	9.5214	9.8175	9.8855	Limit ≤ 10 mW/MHz

Note:

1. Antenna power tolerance = (conducted antenna power - rated antenna power)/rated antenna power * 100%
2. EIRP (dBm/MHz) = conducted antenna power (dBm/MHz) + max. antenna gain (dBi)
3. Antenna Power value = SA measurement value (Include correction factor and cable loss)
Correction factor = 10 log (X)
X = the total number of antennas



Test Mode: IEEE 802.11ac(VHT40) - W52

Test Voltage	Normal Voltage		Remarks
Test Frequency (MHz)	5190	5230	Low/Mid/High of test frequency range
Antenna Power (Conducted) (mW/MHz)	1.9253	1.9756	Limit ≤ 5 mW/MHz
Antenna Power (Rated) (mW/MHz)	1.98		-
Antenna Power Tolerance (%)	-2.76	-0.22	Limit + 20% ~ - 80%
EIRP (mW/MHz)	4.6935	4.8161	Limit ≤ 5 mW/MHz

Note:

1. Antenna power tolerance = (conducted antenna power - rated antenna power)/rated antenna power * 100%
2. EIRP (dBm/MHz) = conducted antenna power (dBm/MHz) + max. antenna gain (dBi)
3. Antenna Power value = SA measurement value (Include correction factor and cable loss)
Correction factor = $10 \log(X)$
X = the total number of antennas

CH38



CH46



Test Mode: IEEE 802.11ac(VHT80) - W52

Test Voltage	Normal Voltage	Remarks
Test Frequency (MHz)	5210	Low/Mid/High of test frequency range
Antenna Power (Conducted) (mW/MHz)	1.0046	Limit ≤ 2.5 mW/MHz
Antenna Power (Rated) (mW/MHz)	1.00	-
Antenna Power Tolerance (%)	+0.46	Limit + 20% ~ - 80%
EIRP (mW/MHz)	2.4491	Limit ≤ 2.5 mW/MHz

Note:

- Antenna power tolerance = (conducted antenna power - rated antenna power)/rated antenna power * 100%
- EIRP (dBm/MHz) = conducted antenna power (dBm/MHz) + max. antenna gain (dBi)
- Antenna Power value = SA measurement value (Include correction factor and cable loss)
Correction factor = $10 \log (X)$
X = the total number of antennas

CH42



Test Mode:	IEEE 802.11a - W53
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Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5260	5300	5320	Low/Mid/High of test frequency range
Antenna Power (Conducted) (mW/MHz)	4.0860	3.9464	3.9373	Limit ≤ 10 mW/MHz
Antenna Power (Rated) (mW/MHz)	4.09			-
Antenna Power Tolerance (%)	-0.10	-3.51	-3.73	Limit + 20% ~ - 80%
EIRP (mW/MHz)	9.9609	9.6206	9.5984	Limit ≤ 10 mW/MHz (With TPC)

Note:

- Antenna power tolerance = (conducted antenna power - rated antenna power)/rated antenna power * 100%
- EIRP (dBm/MHz) = conducted antenna power (dBm/MHz) + max. antenna gain (dBi)
- Antenna Power value = SA measurement value (Include correction factor and cable loss)
Correction factor = 10 log (X)
X = the total number of antennas

CH52



CH60



CH64



Test Mode: IEEE 802.11ac(VHT20) - W53

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5260	5300	5320	Low/Mid/High of test frequency range
Antenna Power (Conducted) (mW/MHz)	3.8548	3.9783	3.8994	Limit ≤ 10 mW/MHz
Antenna Power (Rated) (mW/MHz)	3.98			-
Antenna Power Tolerance (%)	-3.15	-0.04	-2.03	Limit + 20% ~ - 80%
EIRP (mW/MHz)	9.3972	9.6984	9.5060	Limit ≤ 10 mW/MHz (With TPC)

Note:

1. Antenna power tolerance = (conducted antenna power - rated antenna power)/rated antenna power * 100%
2. EIRP (dBm/MHz) = conducted antenna power (dBm/MHz) + max. antenna gain (dBi)
3. Antenna Power value = SA measurement value (Include correction factor and cable loss)
Correction factor = 10 log (X)
X = the total number of antennas

CH52



CH60



CH64

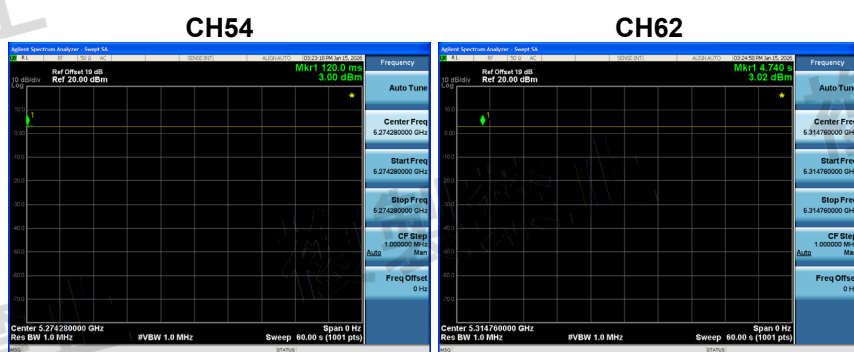


Test Mode: IEEE 802.11ac(VHT40) - W53

Test Voltage	Normal Voltage		Remarks
Test Frequency (MHz)	5270	5310	Low/Mid/High of test frequency range
Antenna Power (Conducted) (mW/MHz)	1.9953	2.0045	Limit ≤ 5 mW/MHz
Antenna Power (Rated) (mW/MHz)	2.00		-
Antenna Power Tolerance (%)	-0.23	+0.23	Limit + 20% ~ - 80%
EIRP (mW/MHz)	4.8641	4.8865	Limit ≤ 5 mW/MHz (With TPC)

Note:

1. Antenna power tolerance = (conducted antenna power - rated antenna power)/rated antenna power * 100%
2. EIRP (dBm/MHz) = conducted antenna power (dBm/MHz) + max. antenna gain (dBi)
3. Antenna Power value = SA measurement value (Include correction factor and cable loss)
Correction factor = 10 log (X)
X = the total number of antennas

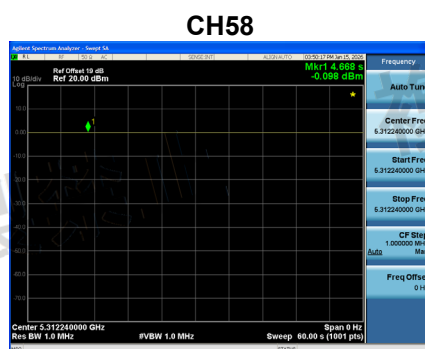


Test Mode: IEEE 802.11ac(VHT80) - W53

Test Voltage	Normal Voltage	Remarks
Test Frequency (MHz)	5290	Low/Mid/High of test frequency range
Antenna Power (Conducted) (mW/MHz)	0.9777	Limit ≤ 2.5 mW/MHz
Antenna Power (Rated) (mW/MHz)	0.98	-
Antenna Power Tolerance (%)	-0.23	Limit + 20% ~ - 80%
EIRP (mW/MHz)	2.3834	Limit ≤ 2.5 mW/MHz (With TPC)

Note:

1. Antenna power tolerance = (conducted antenna power - rated antenna power)/rated antenna power * 100%
2. EIRP (dBm/MHz) = conducted antenna power (dBm/MHz) + max. antenna gain (dBi)
3. Antenna Power value = SA measurement value (Include correction factor and cable loss)
Correction factor = $10 \log(X)$
X = the total number of antennas

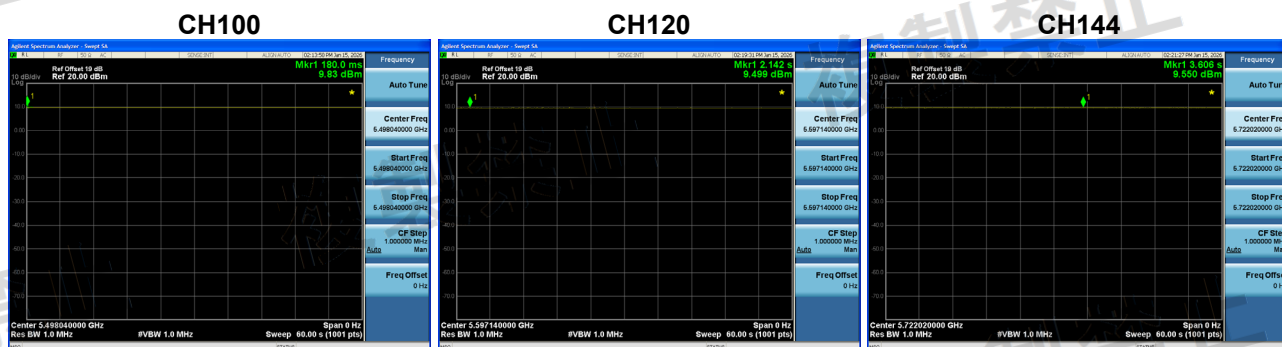


Test Mode: IEEE 802.11a - W56

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5500	5600	5720	Low/Mid/High of test frequency range
Antenna Power (Conducted) (mW/MHz)	9.6161	8.9105	9.0157	Limit ≤ 10 mW/MHz
Antenna Power (Rated) (mW/MHz)	9.62			-
Antenna Power Tolerance (%)	-0.04	-7.38	-6.28	Limit + 50% ~ - 50%
EIRP (mW/MHz)	23.4423	21.7220	21.9786	Limit ≤ 50 mW/MHz (With TPC)

Note:

1. Antenna power tolerance = (conducted antenna power - rated antenna power)/rated antenna power * 100%
2. EIRP (dBm/MHz) = conducted antenna power (dBm/MHz) + max. antenna gain (dBi)
3. Antenna Power value = SA measurement value (Include correction factor and cable loss)
Correction factor = $10 \log (X)$
X = the total number of antennas

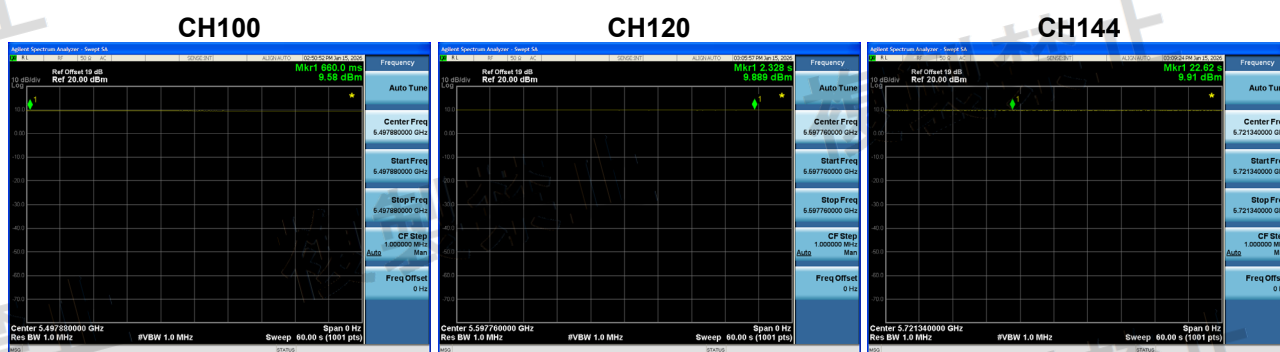


Test Mode: IEEE 802.11ac(VHT20) - W56

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5500	5600	5720	Low/Mid/High of test frequency range
Antenna Power (Conducted) (mW/MHz)	9.0782	9.7477	9.7949	Limit ≤ 10 mW/MHz
Antenna Power (Rated) (mW/MHz)	9.79			-
Antenna Power Tolerance (%)	-7.27	-0.43	+0.05	Limit + 50% ~ - 50%
EIRP (mW/MHz)	22.1309	23.7629	23.8781	Limit ≤ 50 mW/MHz (With TPC)

Note:

1. Antenna power tolerance = (conducted antenna power - rated antenna power)/rated antenna power * 100%
2. EIRP (dBm/MHz) = conducted antenna power (dBm/MHz) + max. antenna gain (dBi)
3. Antenna Power value = SA measurement value (Include correction factor and cable loss)
Correction factor = 10 log (X)
X = the total number of antennas

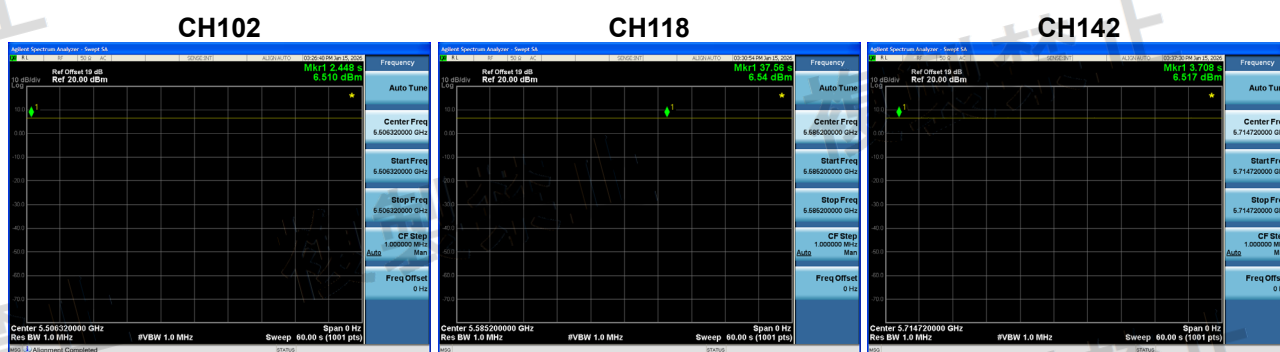


Test Mode: IEEE 802.11ac(VHT40) - W56

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5510	5590	5710	Low/Mid/High of test frequency range
Antenna Power (Conducted) (mW/MHz)	4.4771	4.5082	4.4844	Limit ≤ 5 mW/MHz
Antenna Power (Rated) (mW/MHz)	4.51			-
Antenna Power Tolerance (%)	-0.73	-0.04	-0.57	Limit + 50% ~ - 50%
EIRP (mW/MHz)	10.9144	10.9901	10.9320	Limit ≤ 25 mW/MHz (With TPC)

Note:

1. Antenna power tolerance = (conducted antenna power - rated antenna power)/rated antenna power * 100%
2. EIRP (dBm/MHz) = conducted antenna power (dBm/MHz) + max. antenna gain (dBi)
3. Antenna Power value = SA measurement value (Include correction factor and cable loss)
Correction factor = $10 \log(X)$
X = the total number of antennas

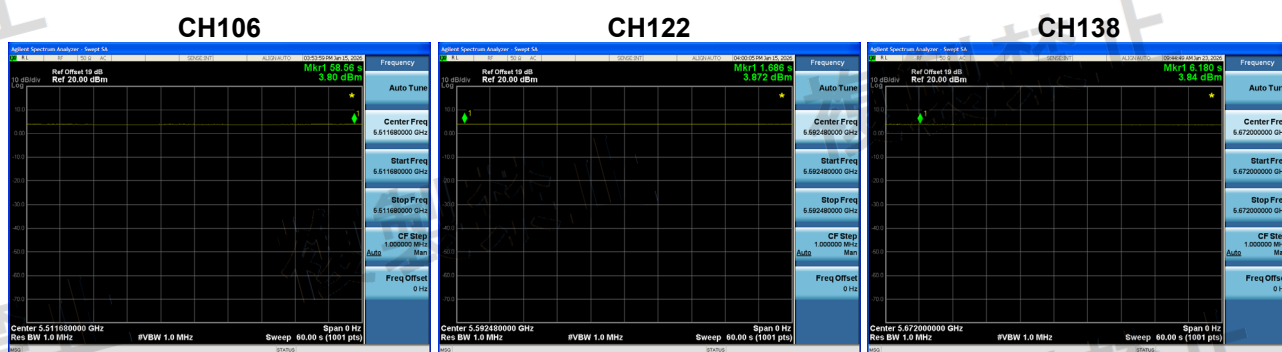


Test Mode:	IEEE 802.11ac(VHT80) - W56
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Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	5530	5610	5690	Low/Mid/High of test frequency range
Antenna Power (Conducted) (mW/MHz)	2.3988	2.4389	2.4210	Limit ≤ 2.5 mW/MHz
Antenna Power (Rated) (mW/MHz)	2.44			-
Antenna Power Tolerance (%)	-1.69	-0.05	-0.78	Limit + 50% ~ - 50%
EIRP (mW/MHz)	5.8479	5.9457	5.9020	Limit ≤ 12.5 mW/MHz (With TPC)

Note:

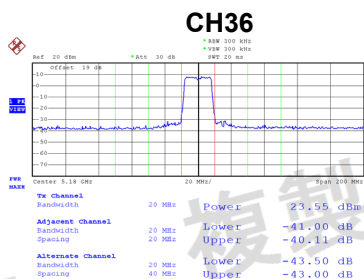
1. Antenna power tolerance = (conducted antenna power - rated antenna power)/rated antenna power * 100%
2. EIRP (dBm/MHz) = conducted antenna power (dBm/MHz) + max. antenna gain (dBi)
3. Antenna Power value = SA measurement value (Include correction factor and cable loss)
Correction factor = $10 \log(X)$
X = the total number of antennas



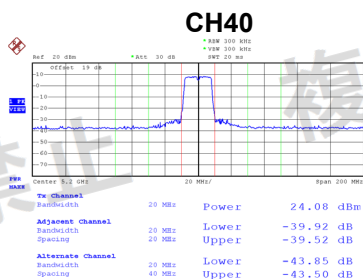
APPENDIX E - ADJACENT CHANNEL EMITTED POWER

Test Mode: IEEE 802.11a - W52

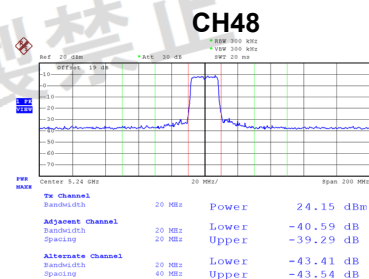
Test Voltage		Normal Voltage				Remarks
Test Frequency (MHz)		5180	5200	5240	-	Low/Mid/High of test frequency range
Adjacent Channel Emitted Power	-20	41.00	39.92	40.59	dB	Limit ≥ 25 dB
	+20	40.11	39.52	39.29	dB	Limit ≥ 25 dB
	-40	43.50	43.85	43.41	dB	Limit ≥ 40 dB
	+40	43.00	43.50	43.54	dB	Limit ≥ 40 dB



Date: 16.JAN.2026 11:26:50



Date: 16.JAN.2026 11:28:19

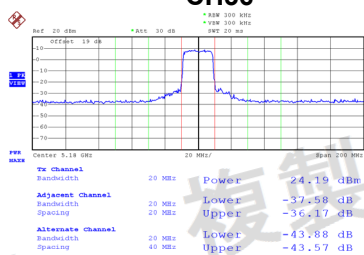


Date: 16.JAN.2026 11:28:51

Test Mode: IEEE 802.11ac(VHT20) - W52

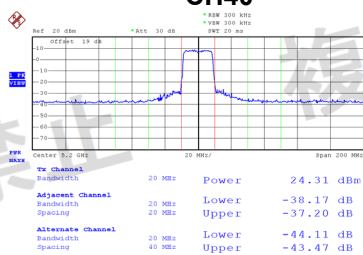
Test Voltage		Normal Voltage				Remarks
Test Frequency (MHz)		5180	5200	5240	-	Low/Mid/High of test frequency range
Adjacent Channel Emitted Power	-20	37.58	38.17	37.67	dB	Limit ≥ 25 dB
	+20	36.17	37.20	37.26	dB	Limit ≥ 25 dB
	-40	43.88	44.11	43.76	dB	Limit ≥ 40 dB
	+40	43.57	43.47	43.72	dB	Limit ≥ 40 dB

CH36



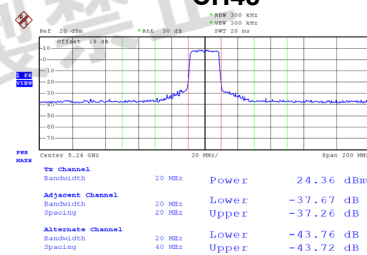
Date: 16.JAN.2026 11:33:45

CH40



Date: 16.JAN.2026 11:34:10

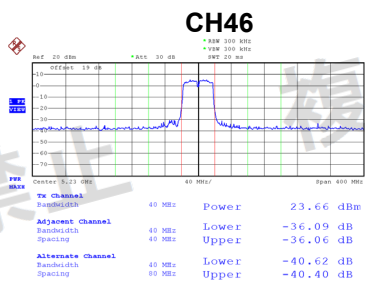
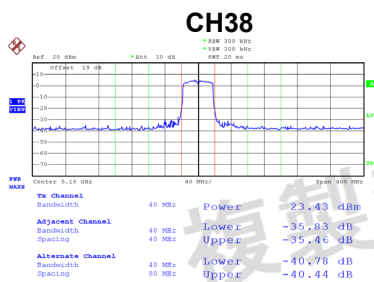
CH48



Date: 16.JAN.2026 11:35:07

Test Mode: IEEE 802.11ac(VHT40) - W52

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5190	5230	-	Low/Mid/High of test frequency range
Adjacent Channel Emitted Power	-40	35.83	36.09	dB	Limit ≥ 25 dB
	+40	35.46	36.06	dB	Limit ≥ 25 dB
	-80	40.78	40.62	dB	Limit ≥ 40 dB
	+80	40.44	40.40	dB	Limit ≥ 40 dB

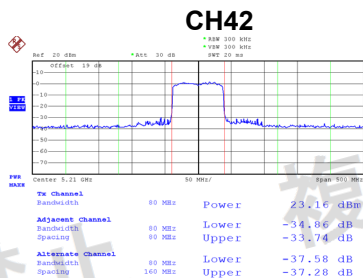


Date: 16.JAN.2026 11:39:56

Date: 16.JAN.2026 11:40:27

Test Mode: IEEE 802.11ac(VHT80) - W52

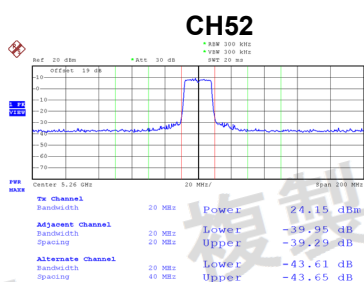
Test Voltage		Normal Voltage		Remarks
Test Frequency (MHz)		5210	-	Low/Mid/High of test frequency range
Adjacent Channel	-80	34.86	dB	Limit ≥ 25 dB
Emitted Power	+80	33.74	dB	Limit ≥ 25 dB



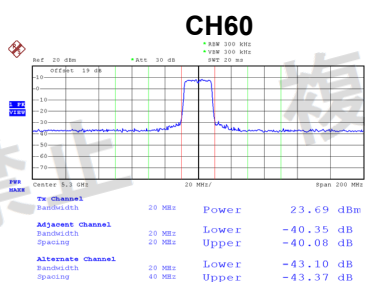
Date: 16.JAN.2026 11:49:34

Test Mode: IEEE 802.11a - W53

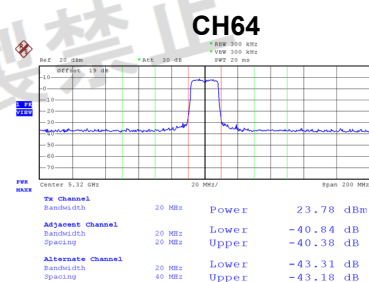
Test Voltage		Normal Voltage				Remarks
Test Frequency (MHz)		5260	5300	5320	-	Low/Mid/High of test frequency range
Adjacent Channel Emitted Power	-20	39.95	40.35	40.84	dB	Limit ≥ 25 dB
	+20	39.29	40.08	40.38	dB	Limit ≥ 25 dB
	-40	43.61	43.10	43.31	dB	Limit ≥ 40 dB
	+40	43.65	43.37	43.18	dB	Limit ≥ 40 dB



Date: 16.JAN.2026 11:29:36



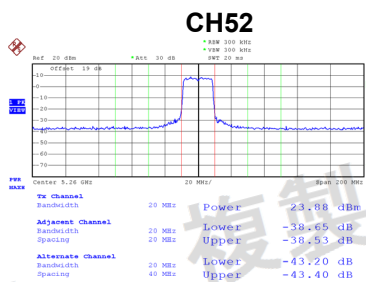
Date: 16.JAN.2026 11:30:02



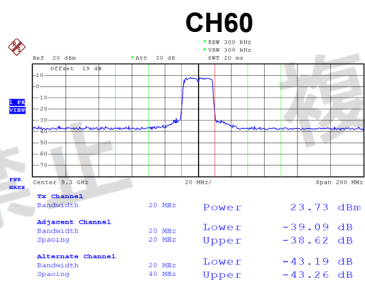
Date: 16.JAN.2026 11:30:26

Test Mode: IEEE 802.11ac(VHT20) - W53

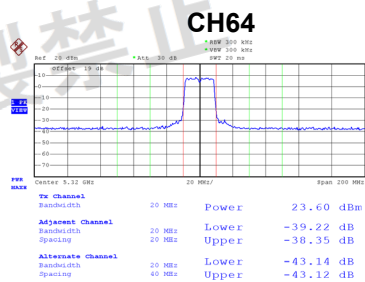
Test Voltage		Normal Voltage				Remarks
Test Frequency (MHz)		5260	5300	5320	-	Low/Mid/High of test frequency range
Adjacent Channel Emitted Power	-20	38.65	39.09	39.22	dB	Limit ≥ 25 dB
	+20	38.53	38.62	38.35	dB	Limit ≥ 25 dB
	-40	43.20	43.19	43.14	dB	Limit ≥ 40 dB
	+40	43.40	43.26	43.12	dB	Limit ≥ 40 dB



Date: 16.JAN.2026 11:35:43



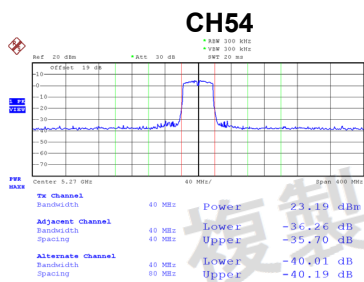
Date: 16.JAN.2026 11:36:13



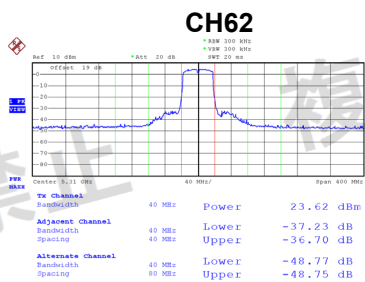
Date: 16.JAN.2026 11:36:39

Test Mode: IEEE 802.11ac(VHT40) - W53

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5270	5310	-	Low/Mid/High of test frequency range
Adjacent Channel Emitted Power	-40	36.26	37.74	dB	Limit ≥ 25 dB
	+40	35.70	36.71	dB	Limit ≥ 25 dB
	-80	40.01	48.77	dB	Limit ≥ 40 dB
	+80	40.19	48.76	dB	Limit ≥ 40 dB



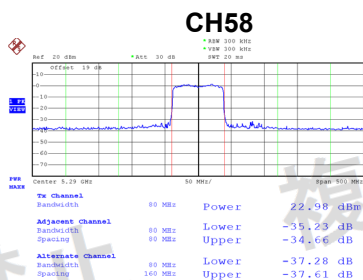
Date: 16.JAN.2026 11:41:18



Date: 16.JAN.2026 11:45:06

Test Mode: IEEE 802.11ac(VHT80) - W53

Test Voltage		Normal Voltage		Remarks
Test Frequency (MHz)		5290	-	Low/Mid/High of test frequency range
Adjacent Channel	-80	35.23	dB	Limit ≥ 25 dB
Emitted Power	+80	34.66	dB	Limit ≥ 25 dB

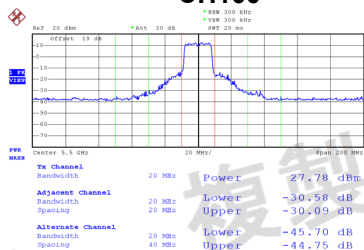


Date: 16.JAN.2026 11:50:05

Test Mode: IEEE 802.11a - W56

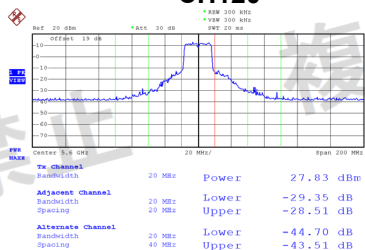
Test Voltage		Normal Voltage				Remarks
Test Frequency (MHz)		5500	5600	5720	-	Low/Mid/High of test frequency range
Adjacent Channel Emitted Power	-20	30.58	29.35	28.16	dB	Limit ≥ 25 dB
	+20	30.09	28.51	27.95	dB	Limit ≥ 25 dB
	-40	45.70	44.70	45.04	dB	Limit ≥ 40 dB
	+40	44.75	43.51	43.42	dB	Limit ≥ 40 dB

CH100



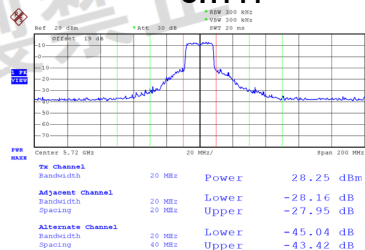
Date: 16.JAN.2026 11:30:54

CH120



Date: 16.JAN.2026 11:31:28

CH144

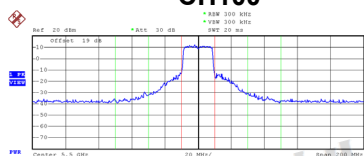


Date: 16.JAN.2026 11:31:47

Test Mode: IEEE 802.11ac(VHT20) - W56

Test Voltage		Normal Voltage				Remarks
Test Frequency (MHz)		5500	5600	5720	-	Low/Mid/High of test frequency range
Adjacent Channel Emitted Power	-20	29.80	26.34	26.33	dB	Limit ≥ 25 dB
	+20	28.67	25.92	25.31	dB	Limit ≥ 25 dB
	-40	44.71	43.39	43.48	dB	Limit ≥ 40 dB
	+40	44.35	42.28	41.89	dB	Limit ≥ 40 dB

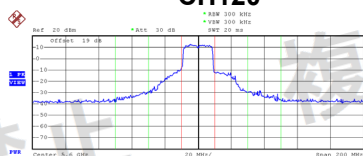
CH100



Tx Channel		Power	27.42 dBm
Bandwidth		20 MHz	
Adjacent Channel		Lower	-29.80 dB
Bandwidth		20 MHz	
Spacing		Upper	-28.67 dB
Alternate Channel		Lower	-44.71 dB
Bandwidth		20 MHz	
Spacing		Upper	-44.35 dB

Date: 16.JAN.2026 11:37:18

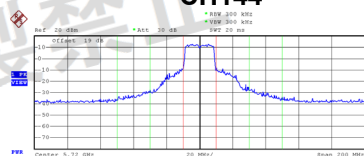
CH120



Tx Channel		Power	28.09 dBm
Bandwidth		20 MHz	
Adjacent Channel		Lower	-26.34 dB
Bandwidth		20 MHz	
Spacing		Upper	-25.92 dB
Alternate Channel		Lower	-43.39 dB
Bandwidth		20 MHz	
Spacing		Upper	-42.28 dB

Date: 16.JAN.2026 11:37:51

CH144



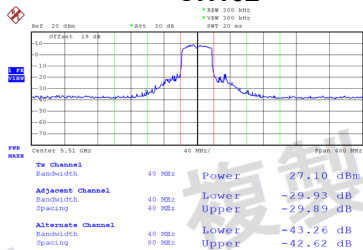
Tx Channel		Power	28.39 dBm
Bandwidth		20 MHz	
Adjacent Channel		Lower	-26.33 dB
Bandwidth		20 MHz	
Spacing		Upper	-25.31 dB
Alternate Channel		Lower	-43.48 dB
Bandwidth		20 MHz	
Spacing		Upper	-41.89 dB

Date: 16.JAN.2026 11:38:19

Test Mode: IEEE 802.11ac(VHT40) - W56

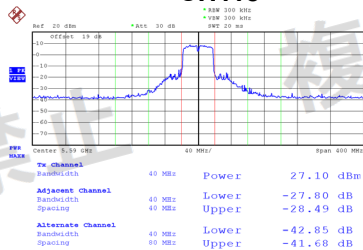
Test Voltage		Normal Voltage				Remarks
Test Frequency (MHz)		5510	5590	5710	-	Low/Mid/High of test frequency range
Adjacent Channel Emitted Power	-40	29.93	27.80	27.44	dB	Limit ≥ 25 dB
	+40	29.89	28.49	28.91	dB	Limit ≥ 25 dB
	-80	43.26	42.85	42.65	dB	Limit ≥ 40 dB
	+80	42.62	41.68	41.22	dB	Limit ≥ 40 dB

CH102



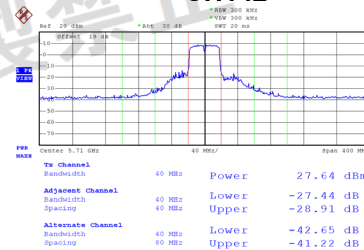
Date: 16.JAN.2026 11:48:08

CH118



Date: 16.JAN.2026 11:47:02

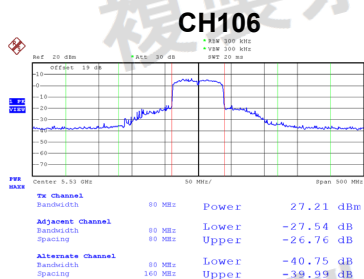
CH142



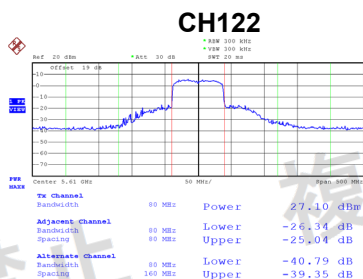
Date: 16.JAN.2026 11:47:38

Test Mode: IEEE 802.11ac(VHT80) - W56

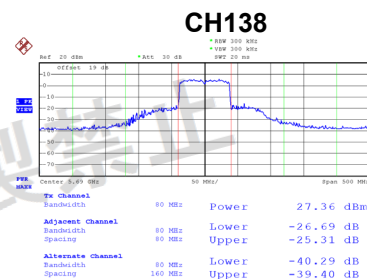
Test Voltage		Normal Voltage				Remarks
Test Frequency (MHz)		5530	5610	5690	-	Low/Mid/High of test frequency range
Adjacent Channel	-80	27.54	26.34	26.69	dB	Limit ≥ 25 dB
Emitted Power	+80	26.76	25.04	25.31	dB	Limit ≥ 25 dB



Date: 16.JAN.2026 11:50:41



Date: 16.JAN.2026 11:51:10



Date: 16.JAN.2026 11:55:59

APPENDIX F - LIMITATION OF COLLATERAL EMISSION OF RECEIVER

Test Mode: IEEE 802.11a - W52

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5180	5200	5240	Low/Mid/High of test frequency range
Limitation of Collateral Emission of Receiver	MHz	220.12	208.48	903.00	Limit ≤ 4 nW (-54 dBm)
	nW	0.0162	0.0169	0.0141	
	MHz	24450.00	24800.00	24650.00	Limit ≤ 20 nW (-47 dBm)
	nW	0.6966	0.8204	0.6531	

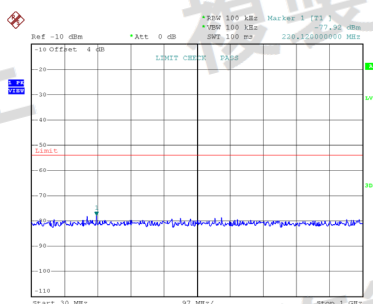
Note:

Emission value = SA measurement value (Include correction factor and cable loss)

Correction factor = $10 \log (X)$

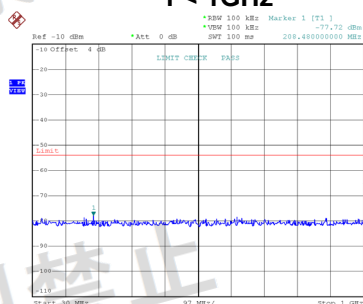
X = the total number of antennas

CH36



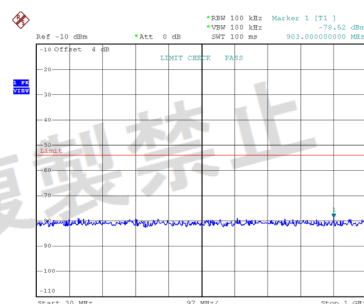
Date: 16.JAN.2026 15:35:18

CH40
f < 1GHz



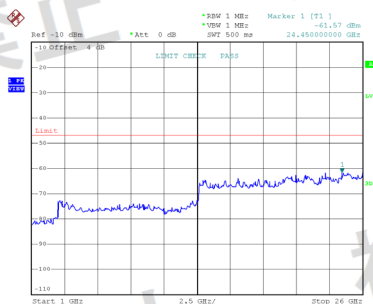
Date: 16.JAN.2026 15:36:27

CH48

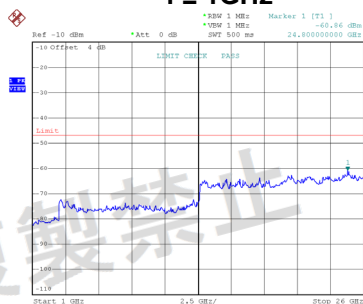


Date: 16.JAN.2026 15:36:54

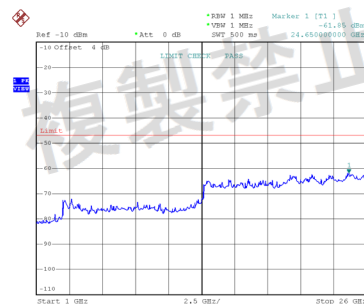
f ≥ 1GHz



Date: 16.JAN.2026 15:35:29



Date: 16.JAN.2026 15:36:38



Date: 16.JAN.2026 15:37:05

Test Mode: IEEE 802.11ac(VHT20) - W52

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5180	5200	5240	Low/Mid/High of test frequency range
Limitation of Collateral Emission of Receiver	MHz	646.92	352.04	258.92	Limit ≤ 4 nW (-54 dBm)
	nW	0.0154	0.0139	0.0173	
	MHz	24700.00	25050.00	24500.00	Limit ≤ 20 nW (-47 dBm)
	nW	0.6839	0.8570	0.7464	

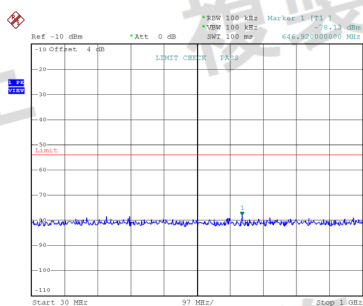
Note:

Emission value = SA measurement value (Include correction factor and cable loss)

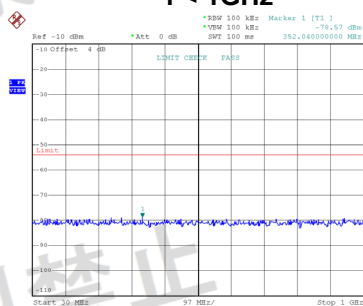
Correction factor = $10 \log (X)$

X = the total number of antennas

CH36

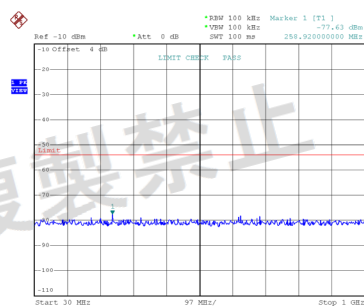


Date: 16.JAN.2026 15:41:28

CH40
f < 1GHz

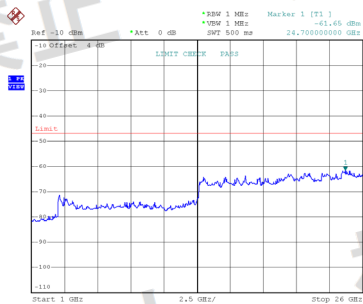
Date: 16.JAN.2026 15:41:55

CH48

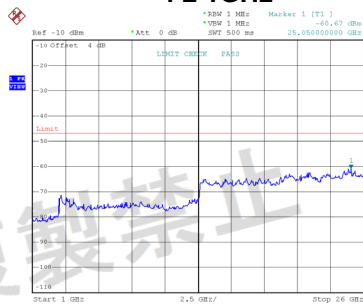


Date: 16.JAN.2026 15:42:10

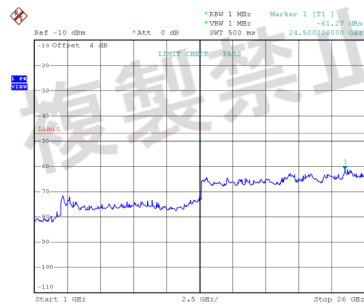
f ≥ 1GHz



Date: 16.JAN.2026 15:41:29



Date: 16.JAN.2026 15:42:06



Date: 16.JAN.2026 15:42:29

Test Mode: IEEE 802.11ac(VHT40) - W52

Test Voltage		Normal Voltage		Remarks
Test Frequency (MHz)		5190	5230	Low/Mid/High of test frequency range
Limitation of Collateral Emission of Receiver	MHz	823.46	928.22	Limit ≤ 4 nW (-54 dBm)
	nW	0.0203	0.0152	
	MHz	24950.00	24900.00	Limit ≤ 20 nW (-47 dBm)
	nW	1.0889	0.6855	

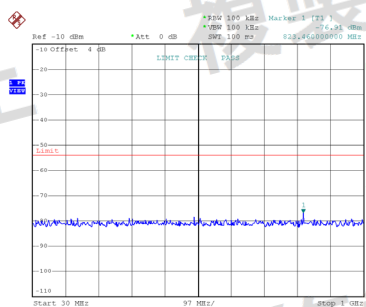
Note:

Emission value = SA measurement value (Include correction factor and cable loss)

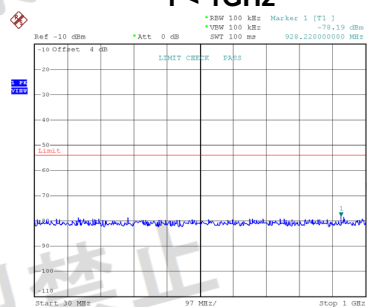
Correction factor = $10 \log (X)$

X = the total number of antennas

CH38

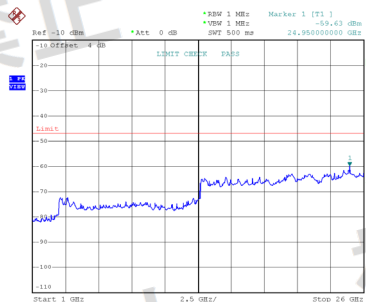


Date: 16.JAN.2026 15:47:06

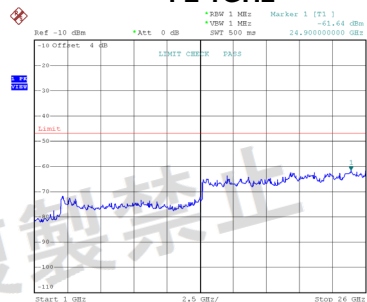
CH46
f < 1GHz

Date: 16.JAN.2026 15:47:28

f ≥ 1GHz



Date: 16.JAN.2026 15:47:16



Date: 16.JAN.2026 15:47:38

Test Mode:	IEEE 802.11ac(VHT80) - W52
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Test Voltage		Normal Voltage	Remarks
Test Frequency (MHz)		5210	Low/Mid/High of test frequency range
Limitation of Collateral Emission of Receiver	MHz	580.96	Limit ≤ 4 nW (-54 dBm)
	nW	0.0141	
	MHz	24650.00	Limit ≤ 20 nW (-47 dBm)
	nW	0.7709	

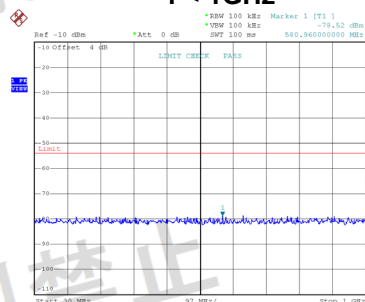
Note:

Emission value = SA measurement value (Include correction factor and cable loss)

Correction factor = $10 \log (X)$

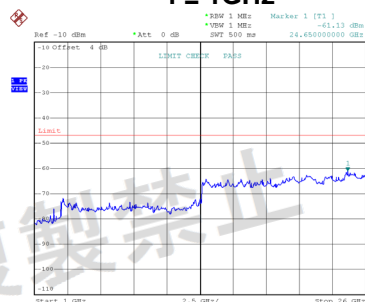
X = the total number of antennas

CH42
f < 1GHz



Date: 16.JAN.2026 15:49:55

f $\geq$ 1GHz



Date: 16.JAN.2026 15:50:06

Test Mode: IEEE 802.11a - W53

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5260	5300	5320	Low/Mid/High of test frequency range
Limitation of Collateral Emission of Receiver	MHz	189.08	604.24	660.50	Limit ≤ 4 nW (-54 dBm)
	nW	0.0139	0.0143	0.0154	
	MHz	24550.00	24600.00	24950.00	Limit ≤ 20 nW (-47 dBm)
	nW	0.6561	0.6486	0.6457	

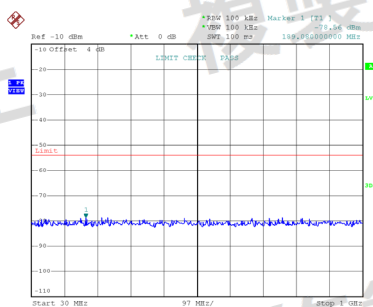
Note:

Emission value = SA measurement value (Include correction factor and cable loss)

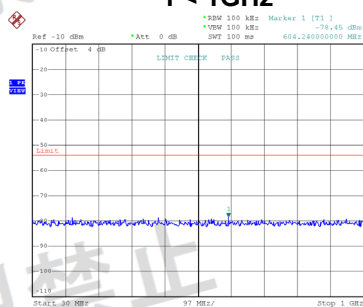
Correction factor = $10 \log (X)$

X = the total number of antennas

CH52

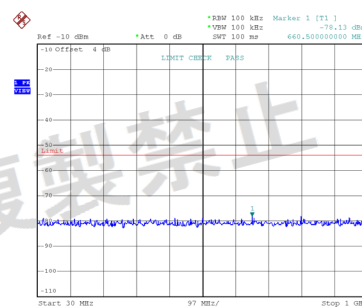


Date: 16.JAN.2026 15:37:19

CH60
f < 1GHz

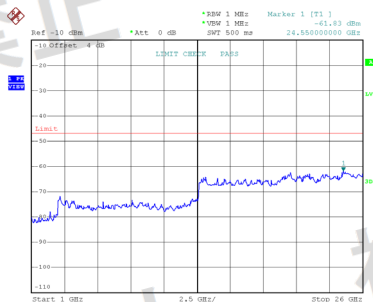
Date: 16.JAN.2026 15:38:42

CH64

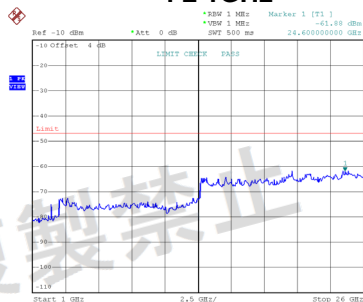


Date: 16.JAN.2026 15:39:12

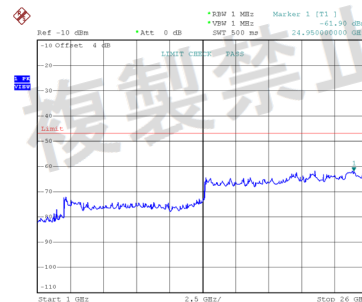
f ≥ 1GHz



Date: 16.JAN.2026 15:38:10



Date: 16.JAN.2026 15:38:53



Date: 16.JAN.2026 15:39:23

Test Mode: IEEE 802.11ac(VHT20) - W53

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5260	5300	5320	Low/Mid/High of test frequency range
Limitation of Collateral Emission of Receiver	MHz	641.10	549.92	311.30	Limit ≤ 4 nW (-54 dBm)
	nW	0.0168	0.0161	0.0150	
	MHz	24800.00	25050.00	24550.00	Limit ≤ 20 nW (-47 dBm)
	nW	0.6998	0.7228	0.7586	

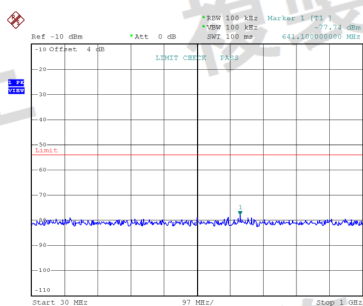
Note:

Emission value = SA measurement value (Include correction factor and cable loss)

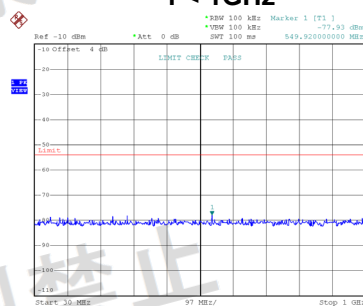
Correction factor = $10 \log (X)$

X = the total number of antennas

CH52

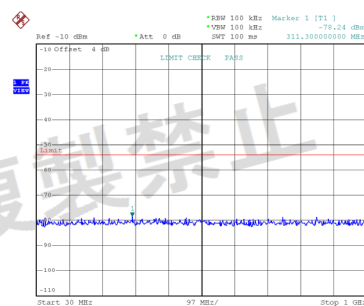


Date: 16.JAN.2026 15:42:42

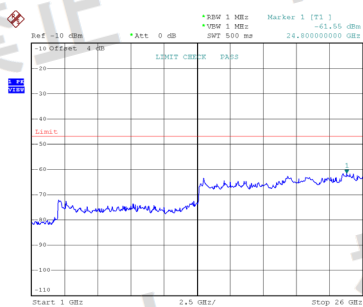
CH60
 $f < 1\text{GHz}$ 

Date: 16.JAN.2026 15:43:30

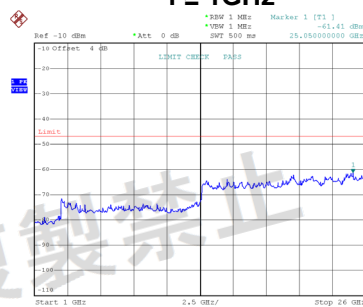
CH64



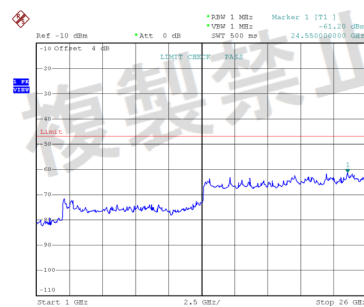
Date: 16.JAN.2026 15:44:02

 $f \geq 1\text{GHz}$ 

Date: 16.JAN.2026 15:42:53



Date: 16.JAN.2026 15:43:41



Date: 16.JAN.2026 15:44:13

Test Mode: IEEE 802.11ac(VHT40) - W53

Test Voltage		Normal Voltage		Remarks
Test Frequency (MHz)		5270	5310	Low/Mid/High of test frequency range
Limitation of Collateral Emission of Receiver	MHz	218.18	540.22	Limit ≤ 4 nW (-54 dBm)
	nW	0.0168	0.0155	
	MHz	24850.00	24550.00	Limit ≤ 20 nW (-47 dBm)
	nW	0.7925	0.6324	

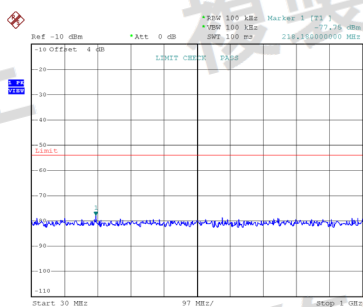
Note:

Emission value = SA measurement value (Include correction factor and cable loss)

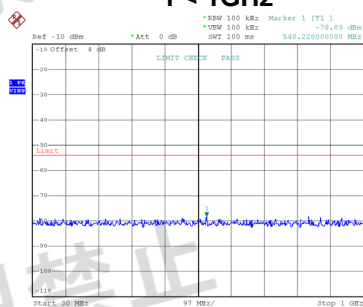
Correction factor = $10 \log (X)$

X = the total number of antennas

CH54

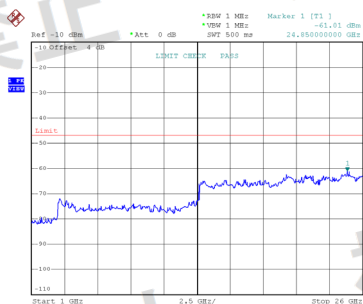


Date: 16.JAN.2026 15:47:51

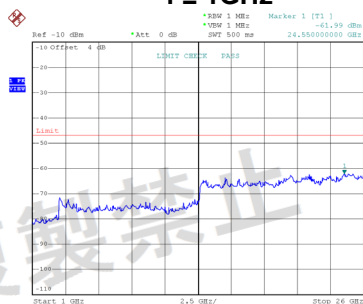
CH62
f < 1GHz

Date: 16.JAN.2026 15:48:13

f ≥ 1GHz



Date: 16.JAN.2026 15:48:01



Date: 16.JAN.2026 15:48:23

Test Mode:	IEEE 802.11ac(VHT80) - W53
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Test Voltage		Normal Voltage	Remarks
Test Frequency (MHz)		5290	Low/Mid/High of test frequency range
Limitation of Collateral Emission of Receiver	MHz	868.08	Limit ≤ 4 nW (-54 dBm)
	nW	0.0136	
	MHz	24500.00	Limit ≤ 20 nW (-47 dBm)
	nW	0.7079	

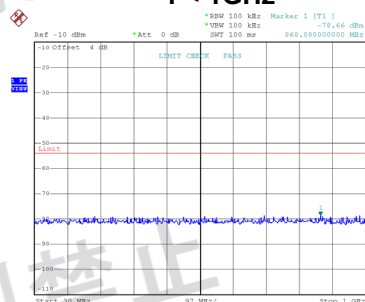
Note:

Emission value = SA measurement value (Include correction factor and cable loss)

Correction factor = $10 \log (X)$

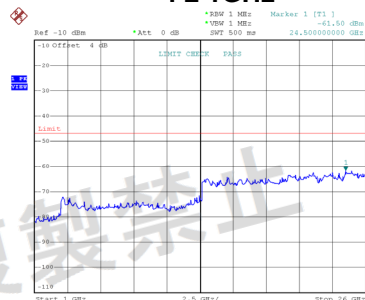
X = the total number of antennas

CH58
f < 1GHz



Date: 16.JAN.2026 15:50:17

f $\geq$ 1GHz



Date: 16.JAN.2026 15:50:27

Test Mode: IEEE 802.11a - W56

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5500	5600	5720	Low/Mid/High of test frequency range
Limitation of Collateral Emission of Receiver	MHz	293.84	668.26	441.28	Limit ≤ 4 nW (-54 dBm)
	nW	0.0153	0.0153	0.0183	
	MHz	25050.00	24700.00	24500.00	Limit ≤ 20 nW (-47 dBm)
	nW	0.8851	0.8730	0.6637	

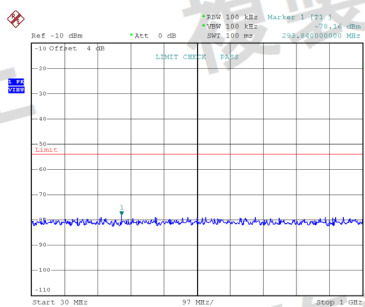
Note:

Emission value = SA measurement value (Include correction factor and cable loss)

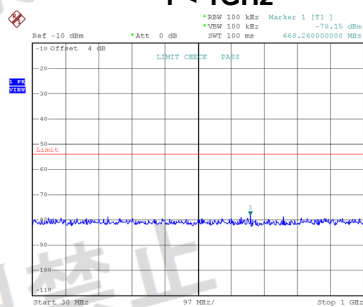
Correction factor = $10 \log (X)$

X = the total number of antennas

CH100

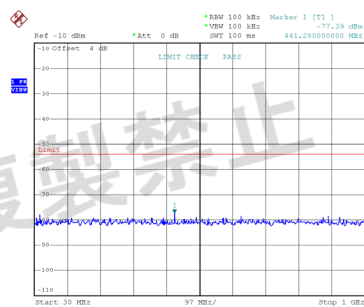


Date: 16.JAN.2026 15:39:44

CH120
f < 1GHz

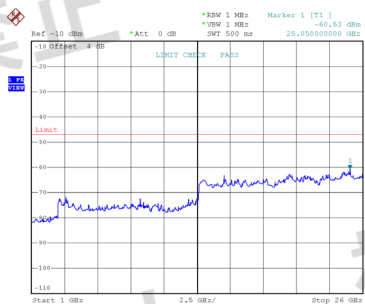
Date: 16.JAN.2026 15:40:19

CH144

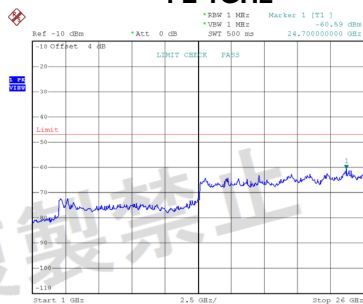


Date: 16.JAN.2026 15:40:42

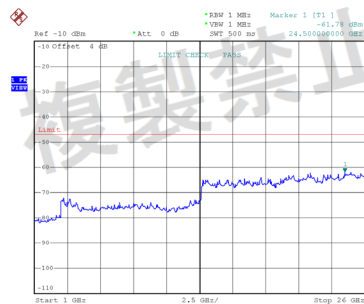
f ≥ 1GHz



Date: 16.JAN.2026 15:39:55



Date: 16.JAN.2026 15:40:30



Date: 16.JAN.2026 15:40:53

Test Mode: IEEE 802.11ac(VHT20) - W56

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5500	5600	5720	Low/Mid/High of test frequency range
Limitation of Collateral Emission of Receiver	MHz	390.84	45.52	156.10	Limit ≤ 4 nW (-54 dBm)
	nW	0.0142	0.0154	0.0125	
	MHz	24900.00	24950.00	24950.00	Limit ≤ 20 nW (-47 dBm)
	nW	0.7621	0.7464	0.7745	

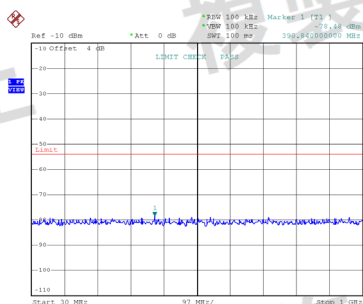
Note:

Emission value = SA measurement value (Include correction factor and cable loss)

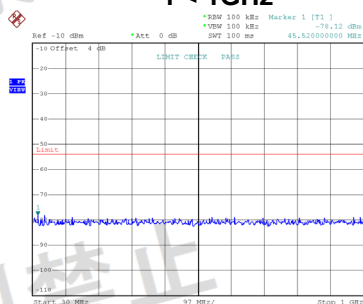
Correction factor = $10 \log (X)$

X = the total number of antennas

CH100

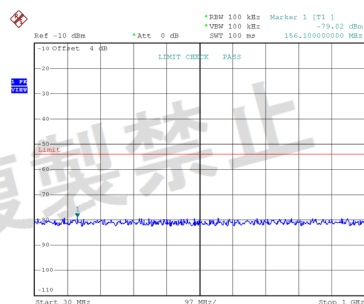


Date: 16.JAN.2026 15:44:45

CH120
f < 1GHz

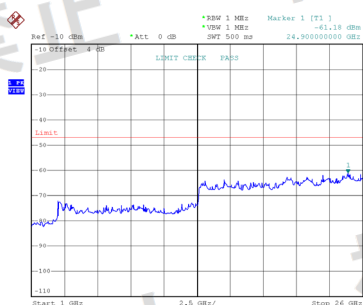
Date: 16.JAN.2026 15:45:07

CH144

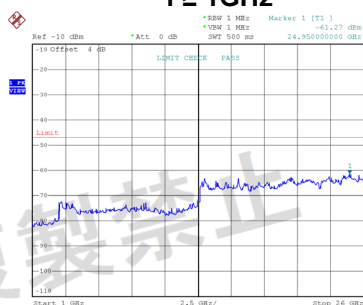


Date: 16.JAN.2026 15:45:30

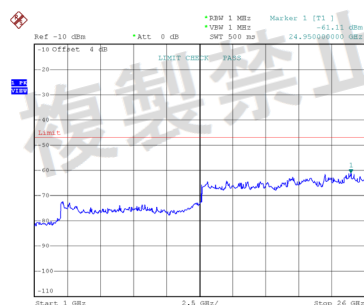
f ≥ 1GHz



Date: 16.JAN.2026 15:44:56



Date: 16.JAN.2026 15:45:18



Date: 16.JAN.2026 15:45:41

Test Mode: IEEE 802.11ac(VHT40) - W56

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5510	5590	5710	Low/Mid/High of test frequency range
Limitation of Collateral Emission of Receiver	MHz	846.74	303.54	51.34	Limit ≤ 4 nW (-54 dBm)
	nW	0.0152	0.0156	0.0159	
	MHz	24850.00	25100.00	25050.00	Limit ≤ 20 nW (-47 dBm)
	nW	0.6839	0.7345	0.8790	

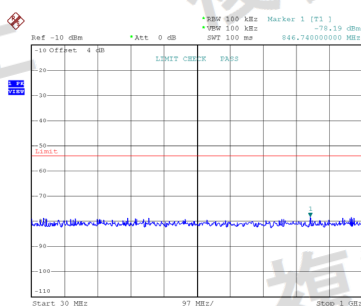
Note:

Emission value = SA measurement value (Include correction factor and cable loss)

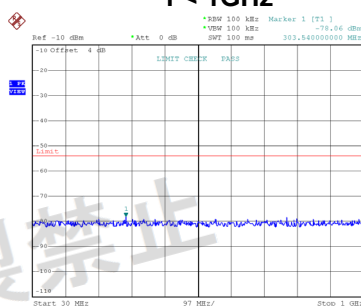
Correction factor = $10 \log(X)$

X = the total number of antennas

CH102

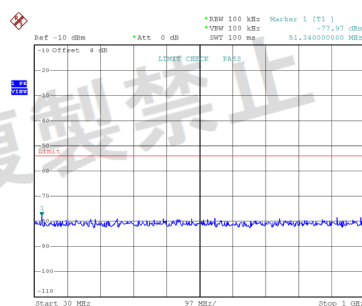


Date: 16.JAN.2026 15:48:34

CH118
f < 1GHz

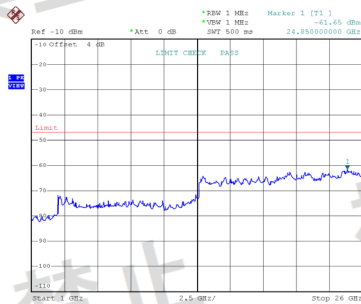
Date: 16.JAN.2026 15:48:55

CH142

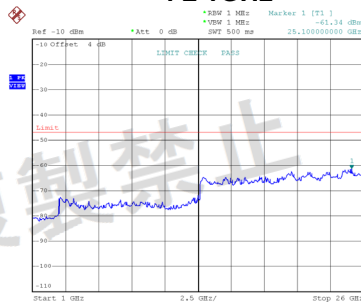


Date: 16.JAN.2026 15:49:16

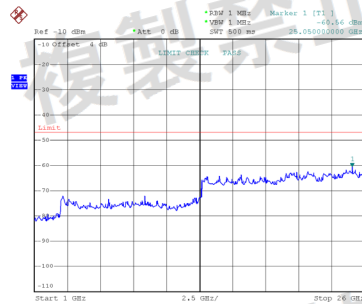
f ≥ 1GHz



Date: 16.JAN.2026 15:48:44



Date: 16.JAN.2026 15:49:05



Date: 16.JAN.2026 15:49:26

Test Mode: IEEE 802.11ac(VHT80) - W56

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5530	5610	5690	Low/Mid/High of test frequency range
Limitation of Collateral Emission of Receiver	MHz	278.32	631.40	158.04	Limit ≤ 4 nW (-54 dBm)
	nW	0.0136	0.0140	0.0142	
	MHz	24900.00	24550.00	24900.00	Limit ≤ 20 nW (-47 dBm)
	nW	0.8260	0.7762	0.9120	

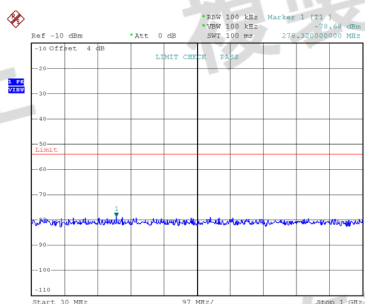
Note:

Emission value = SA measurement value (Include correction factor and cable loss)

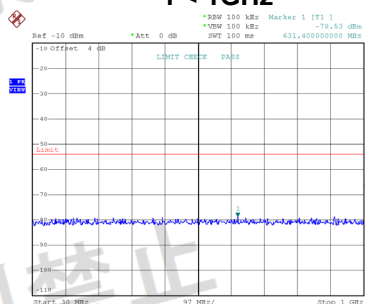
Correction factor = $10 \log (X)$

X = the total number of antennas

CH106

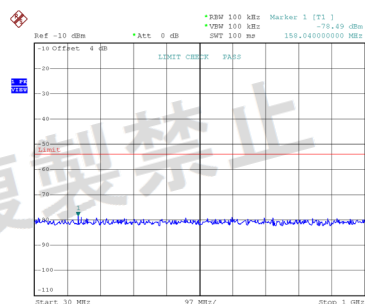


Date: 16.JAN.2026 15:50:47

CH122
f < 1GHz

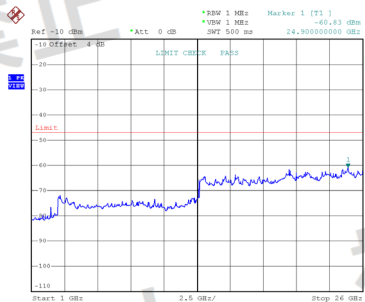
Date: 16.JAN.2026 15:51:09

CH138

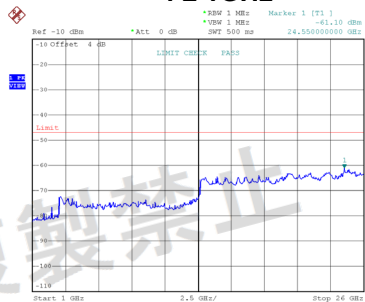


Date: 16.JAN.2026 15:51:30

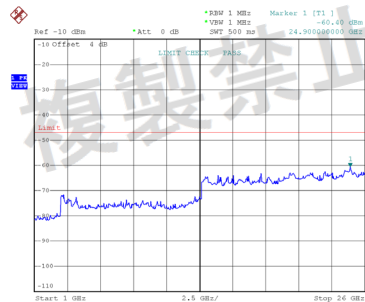
f ≥ 1GHz



Date: 16.JAN.2026 15:50:57



Date: 16.JAN.2026 15:51:19



Date: 16.JAN.2026 15:51:41

APPENDIX G - TRANSMISSION BURST LENGTH

Test Mode:	IEEE 802.11a - W52
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Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5180	5200	5240	Low/Mid/High of test frequency range
Transmission Burst Length	msec	3.580	3.580	3.580	Limit ≤ 8msec

Test Mode:	IEEE 802.11ac(VHT20) - W52
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Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5180	5200	5240	Low/Mid/High of test frequency range
Transmission Burst Length	msec	2.900	2.900	2.900	Limit ≤ 8msec

Test Mode:	IEEE 802.11ac(VHT40) - W52
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Test Voltage		Normal Voltage		Remarks
Test Frequency (MHz)		5190	5230	Low/Mid/High of test frequency range
Transmission Burst Length	msec	2.840	2.840	Limit ≤ 8msec

Test Mode:	IEEE 802.11ac(VHT80) - W52
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Test Voltage		Normal Voltage		Remarks
Test Frequency (MHz)		5210		Low/Mid/High of test frequency range
Transmission Burst Length	msec	2.800		Limit ≤ 8msec

Test Mode:	IEEE 802.11a - W53
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Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5260	5300	5320	Low/Mid/High of test frequency range
Transmission Burst Length	msec	3.580	3.580	3.580	Limit ≤ 8msec

Test Mode:	IEEE 802.11ac(VHT20) - W53
------------	----------------------------

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5260	5300	5320	Low/Mid/High of test frequency range
Transmission Burst Length	msec	2.900	2.900	2.900	Limit ≤ 8msec

Test Mode:	IEEE 802.11ac(VHT40) - W53
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Test Voltage		Normal Voltage		Remarks
Test Frequency (MHz)		5270	5310	Low/Mid/High of test frequency range
Transmission Burst Length	msec	2.840	2.840	Limit ≤ 8msec

Test Mode:	IEEE 802.11ac(VHT80) - W53
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Test Voltage		Normal Voltage		Remarks
Test Frequency (MHz)		5290		Low/Mid/High of test frequency range
Transmission Burst Length	msec	2.800		Limit ≤ 8msec

Test Mode:	IEEE 802.11a - W56
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Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5500	5600	5720	Low/Mid/High of test frequency range
Transmission Burst Length	msec	3.580	3.580	3.580	Limit ≤ 8msec

Test Mode:	IEEE 802.11ac(VHT20) - W56
------------	----------------------------

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5500	5600	5720	Low/Mid/High of test frequency range
Transmission Burst Length	msec	2.900	2.900	2.900	Limit ≤ 8msec

Test Mode:	IEEE 802.11ac(VHT40) - W56
------------	----------------------------

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5510	5590	5710	Low/Mid/High of test frequency range
Transmission Burst Length	msec	2.840	2.840	2.840	Limit ≤ 8msec

Test Mode:	IEEE 802.11ac(VHT80) - W56
------------	----------------------------

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5530	5610	5690	Low/Mid/High of test frequency range
Transmission Burst Length	msec	2.800	2.800	2.800	Limit ≤ 8msec

APPENDIX H - CARRIER SENSE CAPABILITY

Test Mode:	IEEE 802.11a - W52
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Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5180	5200	5240	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	OK	Power level = 22.79+Gr-20*log(freq_MHz) [dBm]

Test Mode:	IEEE 802.11ac(VHT20) - W52
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Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5180	5200	5240	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	OK	Power level = 22.79+Gr-20*log(freq_MHz) [dBm]

Test Mode:	IEEE 802.11ac(VHT40) - W52
------------	----------------------------

Test Voltage		Normal Voltage		Remarks
Test Frequency (MHz)		5190	5230	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	Power level = 22.79+Gr-20*log(freq_MHz) [dBm]

Test Mode:	IEEE 802.11ac(VHT80) - W52
------------	----------------------------

Test Voltage		Normal Voltage		Remarks
Test Frequency (MHz)		5210		Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK		Power level = 22.79+Gr-20*log(freq_MHz) [dBm]

Test Mode:	IEEE 802.11a - W53
------------	--------------------

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5260	5300	5320	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	OK	Power level = 22.79+Gr-20*log(freq_MHz) [dBm]

Test Mode:	IEEE 802.11ac(VHT20) - W53
------------	----------------------------

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5260	5300	5320	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	OK	Power level = 22.79+Gr-20*log(freq_MHz) [dBm]

Test Mode:	IEEE 802.11ac(VHT40) - W53
------------	----------------------------

Test Voltage		Normal Voltage		Remarks
Test Frequency (MHz)		5270	5310	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	Power level = 22.79+Gr-20*log(freq_MHz) [dBm]

Test Mode:	IEEE 802.11ac(VHT80) - W53
------------	----------------------------

Test Voltage		Normal Voltage		Remarks
Test Frequency (MHz)		5290		Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK		Power level = 22.79+Gr-20*log(freq_MHz) [dBm]

Test Mode: IEEE 802.11a - W56

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5500	5600	5720	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	OK	Power level = $22.79 + Gr - 20 \cdot \log(\text{freq_MHz})$ [dBm]

Test Mode: IEEE 802.11ac(VHT20) - W56

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5500	5600	5720	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	OK	Power level = $22.79 + Gr - 20 \cdot \log(\text{freq_MHz})$ [dBm]

Test Mode: IEEE 802.11ac(VHT40) - W56

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5510	5590	5710	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	OK	Power level = $22.79 + Gr - 20 \cdot \log(\text{freq_MHz})$ [dBm]

Test Mode: IEEE 802.11ac(VHT80) - W56

Test Voltage		Normal Voltage			Remarks
Test Frequency (MHz)		5530	5610	5690	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	OK	Power level = $22.79 + Gr - 20 \cdot \log(\text{freq_MHz})$ [dBm]

End of Test Report