RF Test Report

For BTEK251117001A01E01

Project No.:	BTEK251117001A01E0104
Product Description:	22.8℃, 48%, 103.1kPa
Test Engineer:	Zora
Test Date:	2025-12-16~2025-12-18

Test Summary

Item	Result
Frequency Error	Pass
Occupied Bandwidth	Pass
Antenna Power	Pass
Adjacent Channel Leakage Power	Pass
Out Of Bands Leakage Power	Pass
Transmission Burst Length	Pass
Spurious Emission Intensity	Pass
Secondary Radiated Emission	Pass

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1. Frequency Error

1.1 Test Result

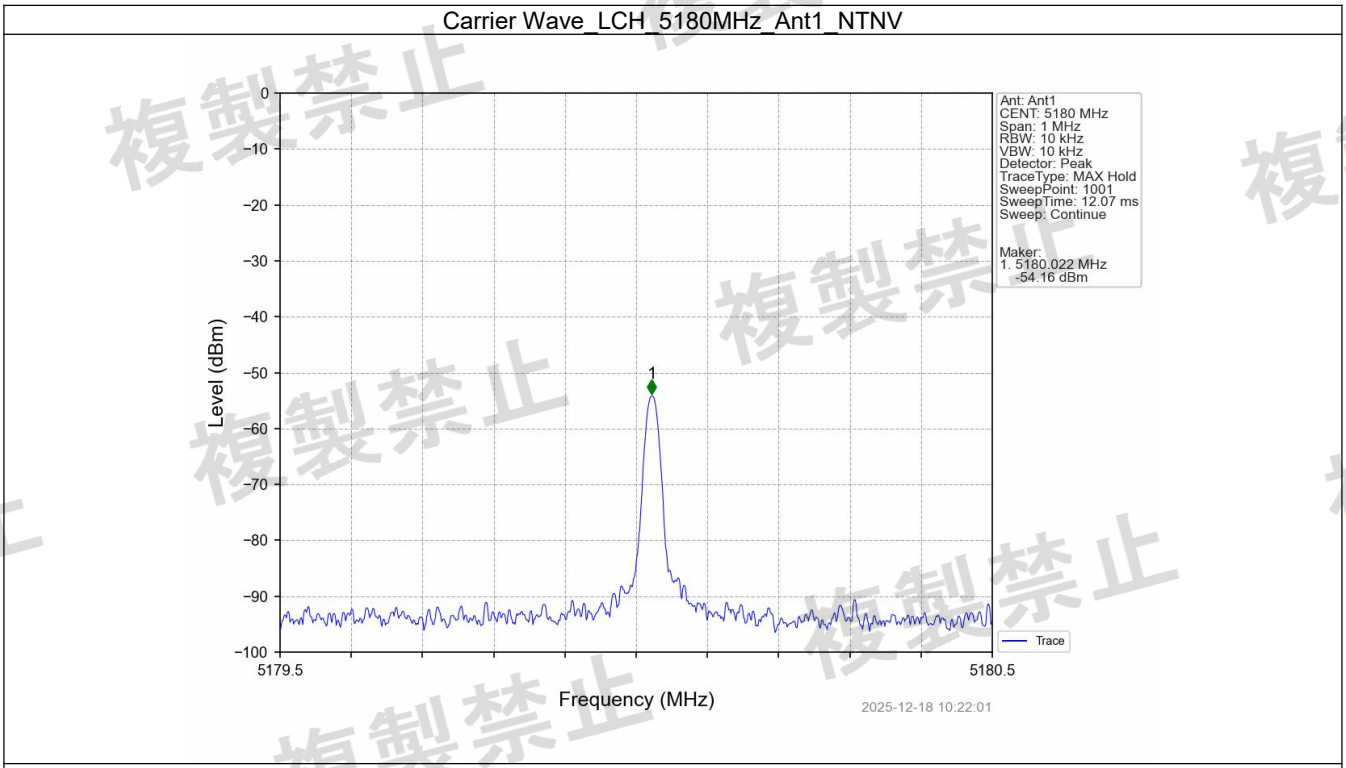
1.1.1 Ant1

Ant1							
ENV	Mode	TX Type	Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)		Verdict
					Result	Limit	
NTNV	Carrier Wave	SISO	5180	5180.022	4.25	-20 to 20	Pass
			5200	5200.022	4.23	-20 to 20	Pass
			5240	5240.021	4.01	-20 to 20	Pass
			5190	5190.021	4.05	-20 to 20	Pass
			5230	5230.021	4.02	-20 to 20	Pass
			5210	5210.022	4.22	-20 to 20	Pass

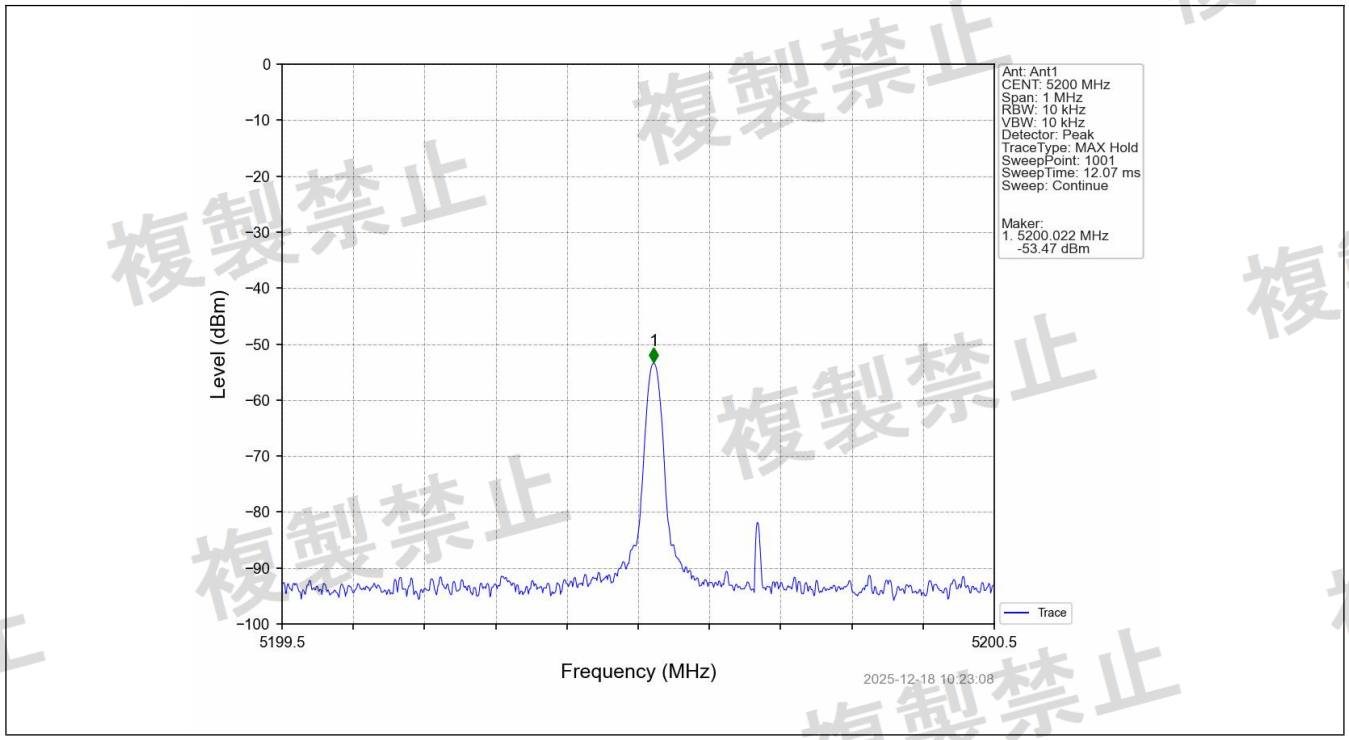
1.2 Test Graph

1.2.1 Ant1

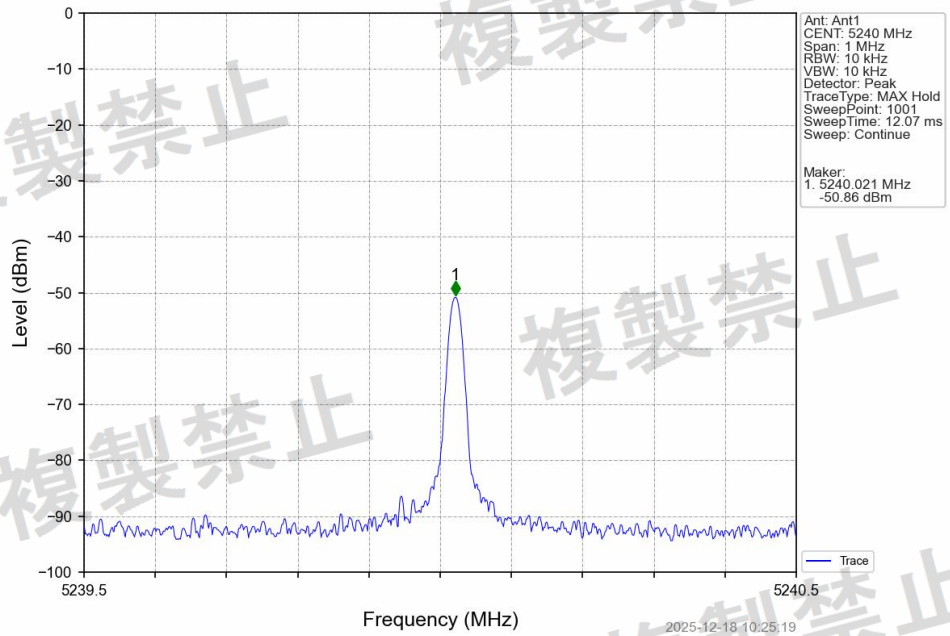
Carrier Wave_LCH_5180MHz_Ant1_NTNV



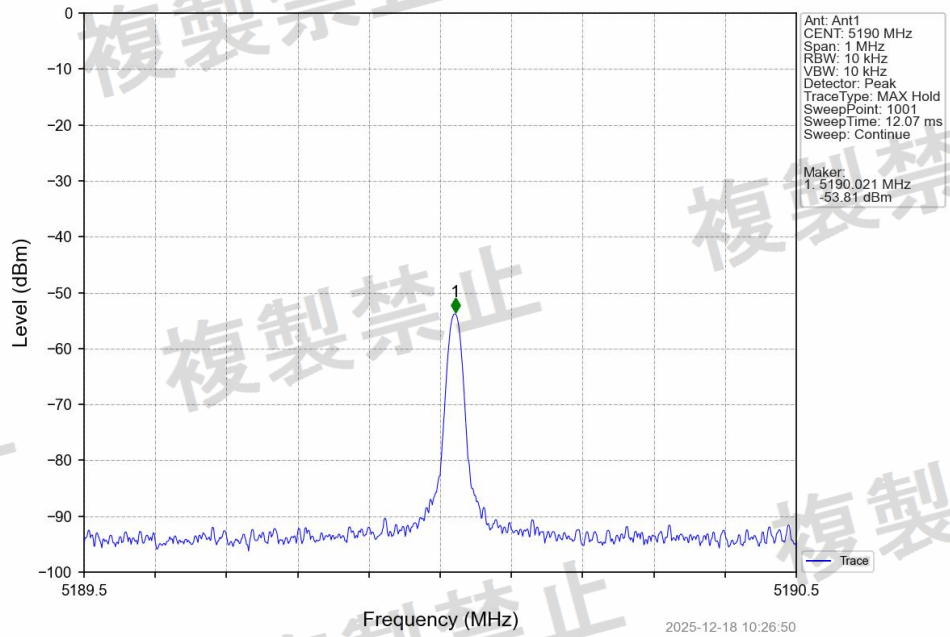
Carrier Wave_MCH_5200MHz_Ant1_NTNV


Ant: Ant1
CENT: 5200 MHz
Span: 1 MHz
RBW: 10 kHz
VBW: 10 kHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 12.07 ms
Sweep: Continue
Maker:
1. 5200.022 MHz
-53.47 dBm
Level (dBm)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
1
Trace
5199.5
5200.5
Frequency (MHz)
2025-12-18 10:23:08

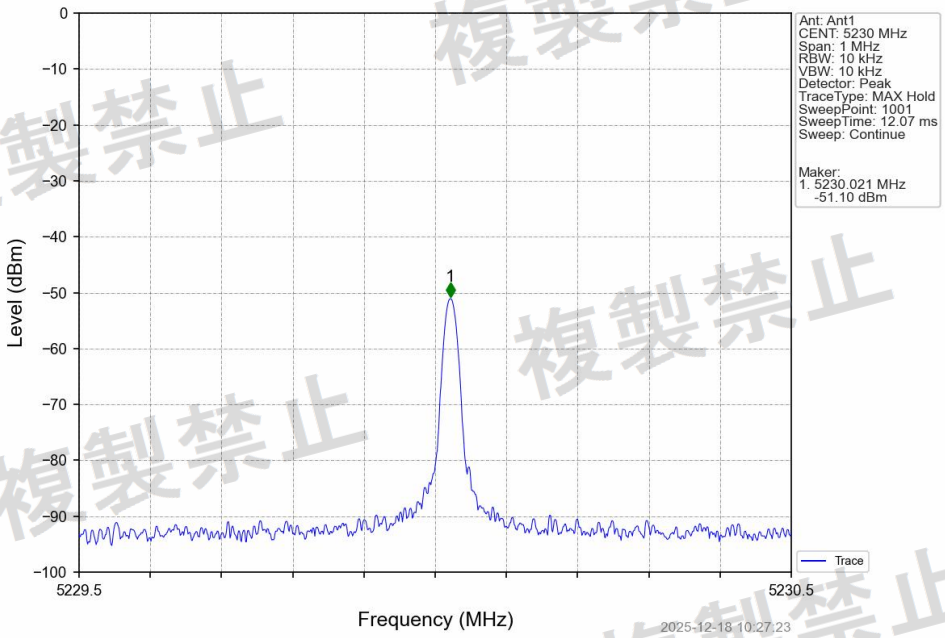
Carrier Wave_HCH_5240MHz_Ant1_NTNV



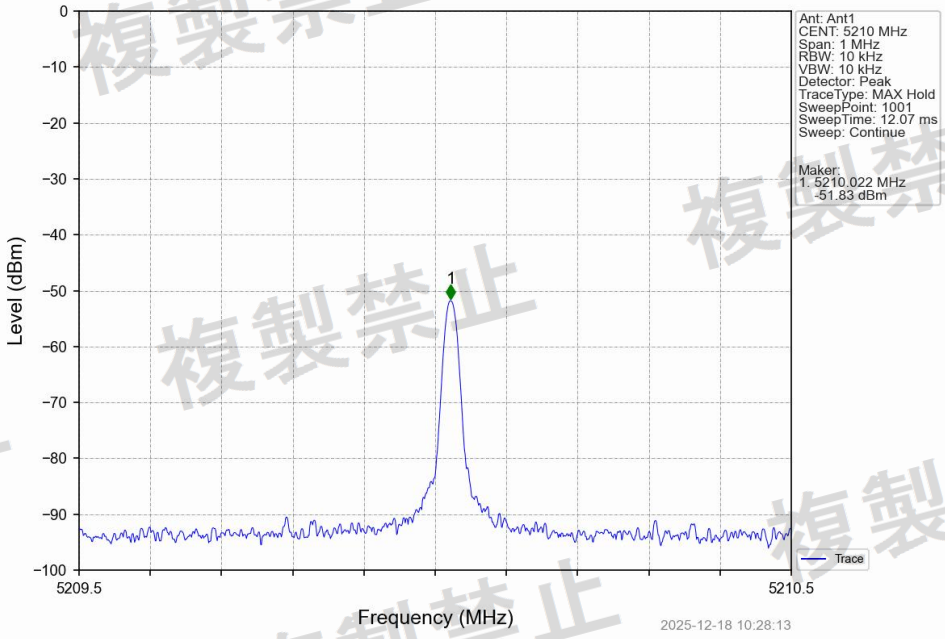
Carrier Wave_LCH_5190MHz_Ant1_NTNV



Carrier Wave_HCH_5230MHz_Ant1_NTNV



Carrier Wave_MCH_5210MHz_Ant1_NTNV



2. Occupied Bandwidth

2.1 Test Result

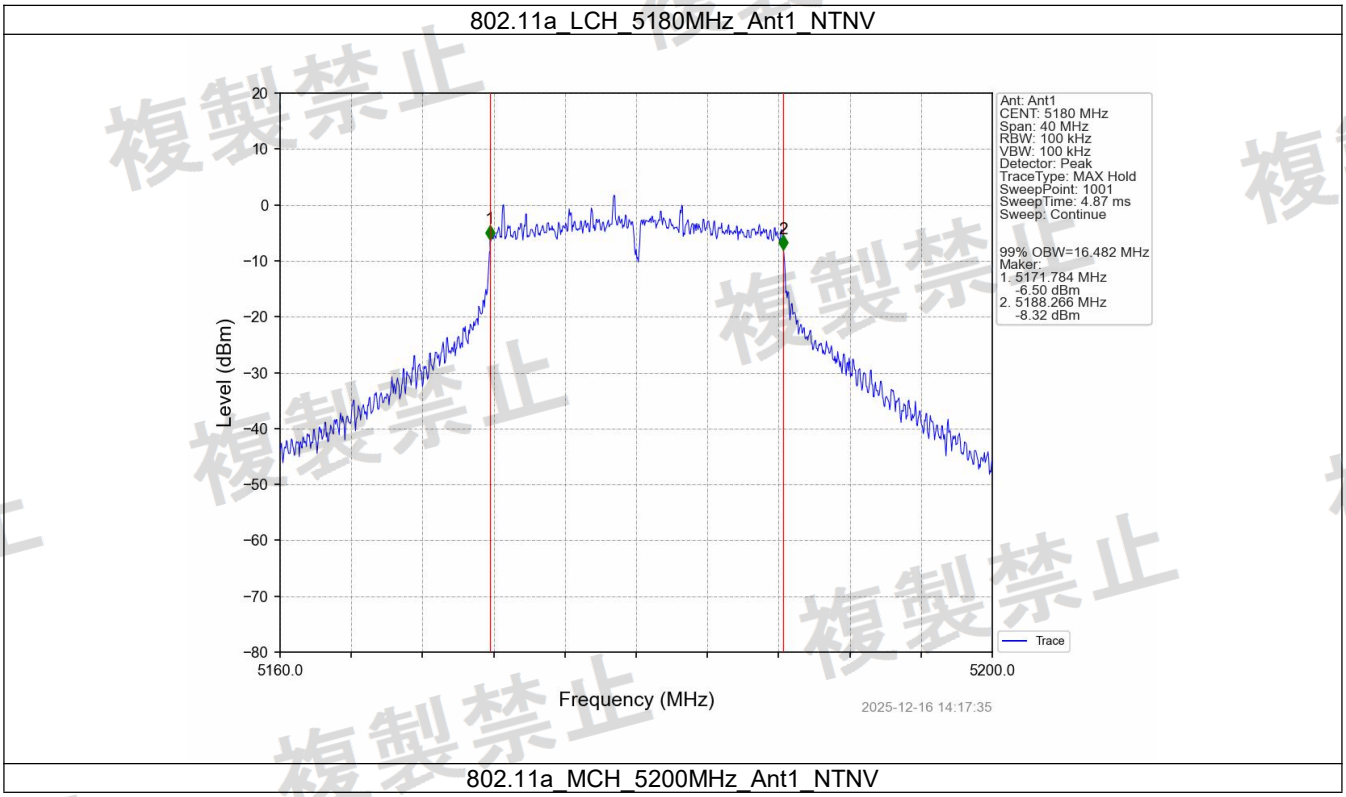
2.1.1 OBW

ENV	Mode	TX Type	Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
				ANT1	Limit	
NTNV	802.11a	SISO	5180	16.482	<=20	Pass
			5200	16.525	<=20	Pass
			5240	16.471	<=20	Pass
	802.11n (HT20)	SISO	5180	17.675	<=20	Pass
			5200	17.661	<=20	Pass
			5240	17.701	<=20	Pass
	802.11n (HT40)	SISO	5190	36.163	<=40	Pass
			5230	36.186	<=40	Pass
	802.11ac (VHT20)	SISO	5180	17.679	<=20	Pass
			5200	17.674	<=20	Pass
			5240	17.671	<=20	Pass
	802.11ac (VHT40)	SISO	5190	36.153	<=40	Pass
			5230	36.189	<=40	Pass
	802.11ac (VHT80)	SISO	5210	75.481	<=80	Pass

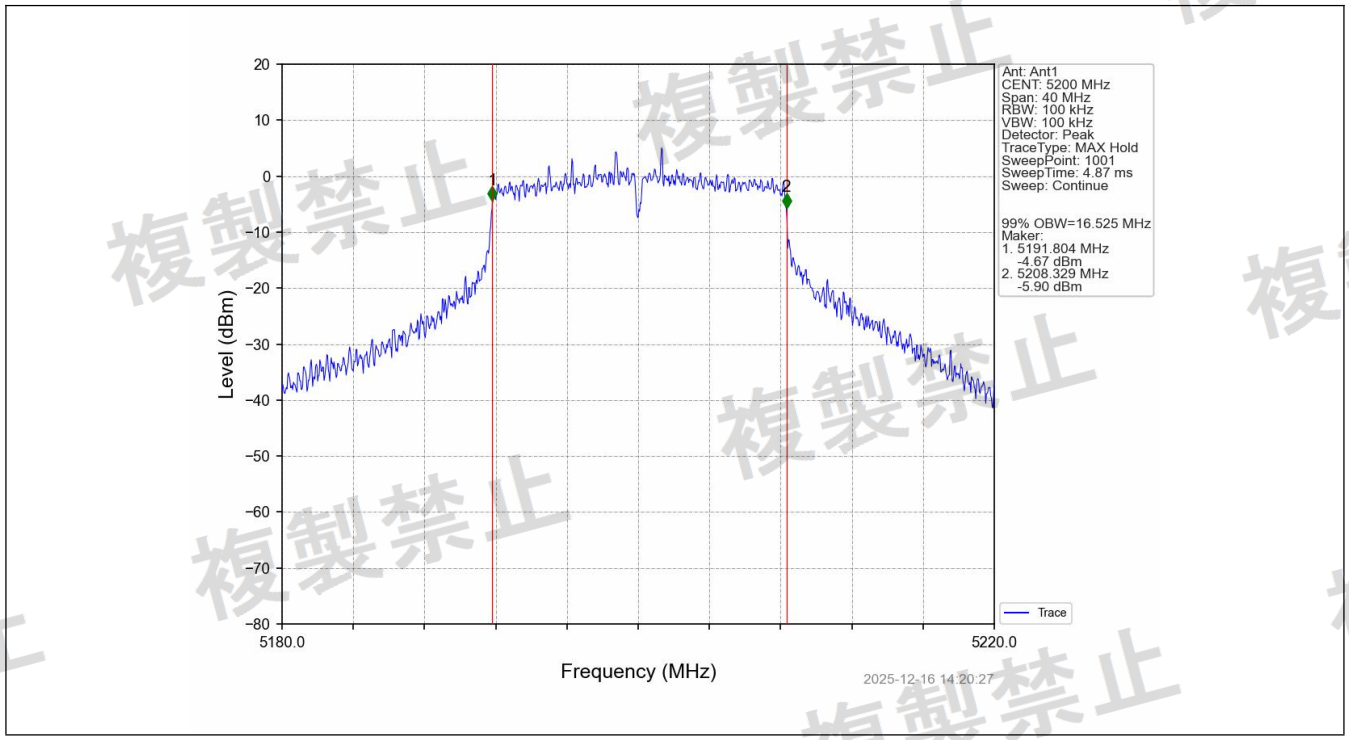
2.2 Test Graph

2.2.1 OBW

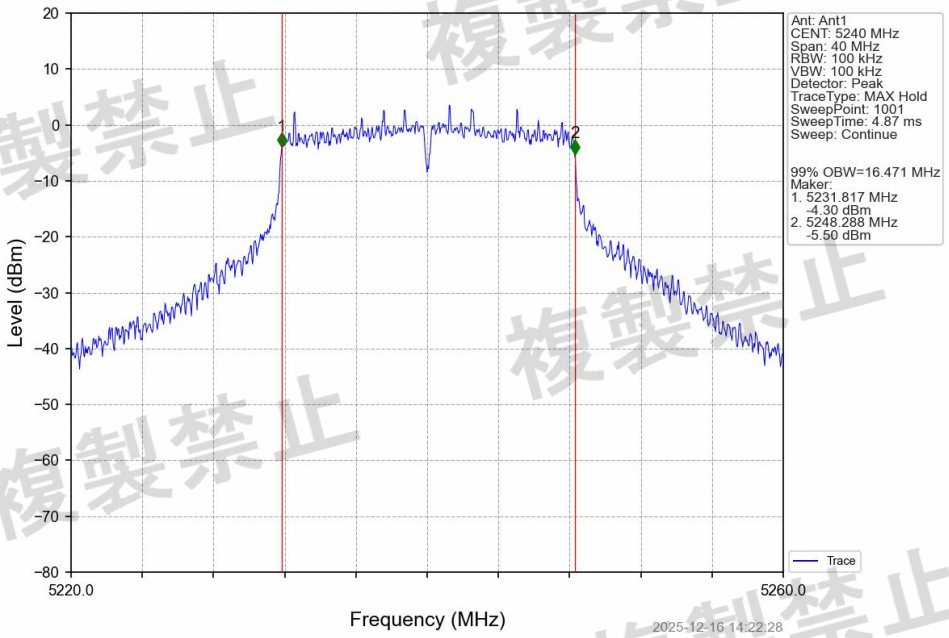
802.11a_LCH_5180MHz_Ant1_NTNV



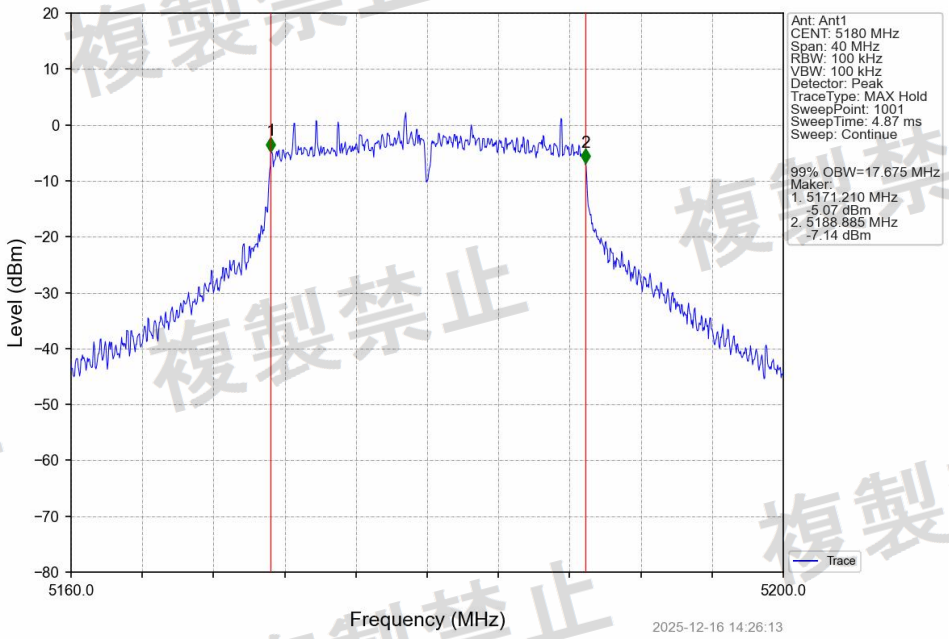
802.11a_MCH_5200MHz_Ant1_NTNV


Ant: Ant1
CENT: 5200 MHz
Span: 40 MHz
RBW: 100 kHz
VBW: 100 kHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 4.87 ms
Sweep: Continue
99% OBW=16.525 MHz
Maker:
1. 5191.804 MHz
-4.67 dBm
2. 5208.329 MHz
-5.90 dBm
Trace
Level (dBm)
Frequency (MHz)
5180.0
5220.0
2025-12-16 14:20:27

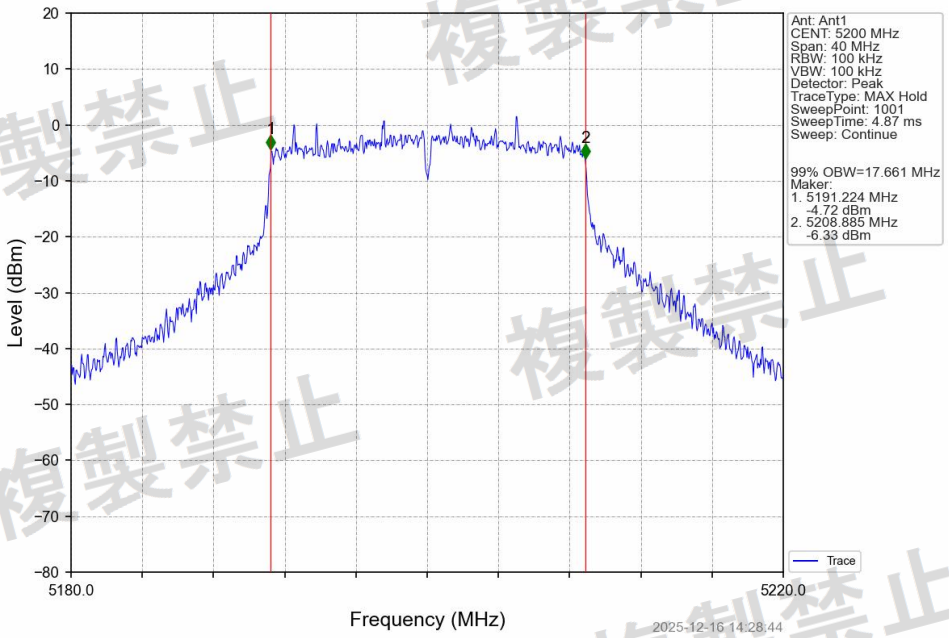
802.11a_HCH_5240MHz_Ant1_NTNV



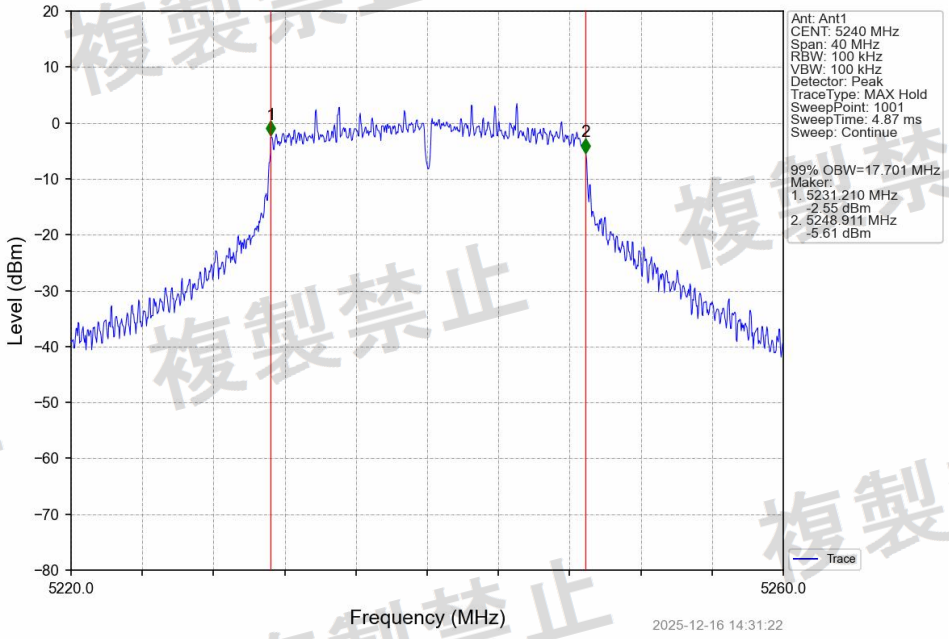
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



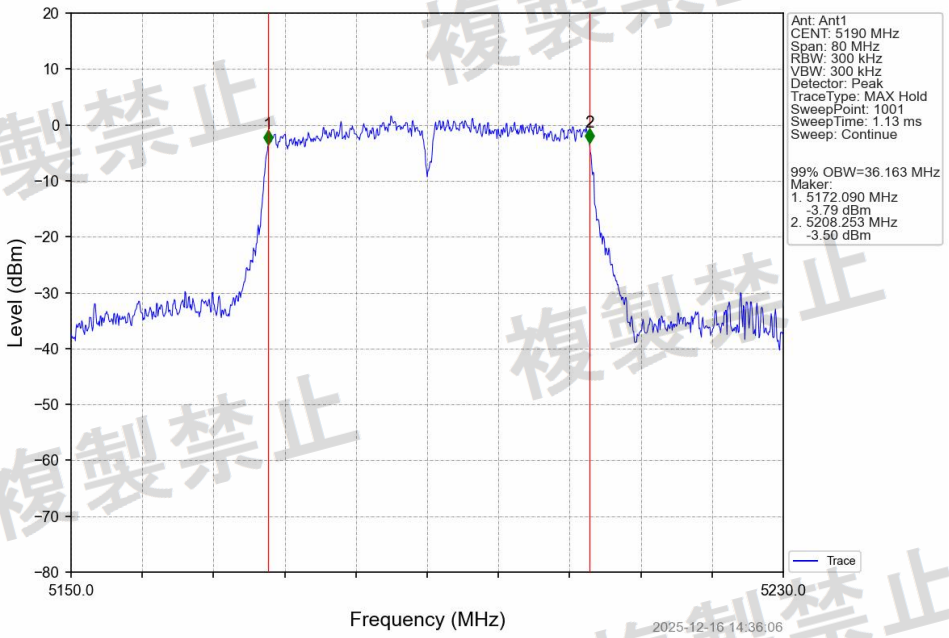
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



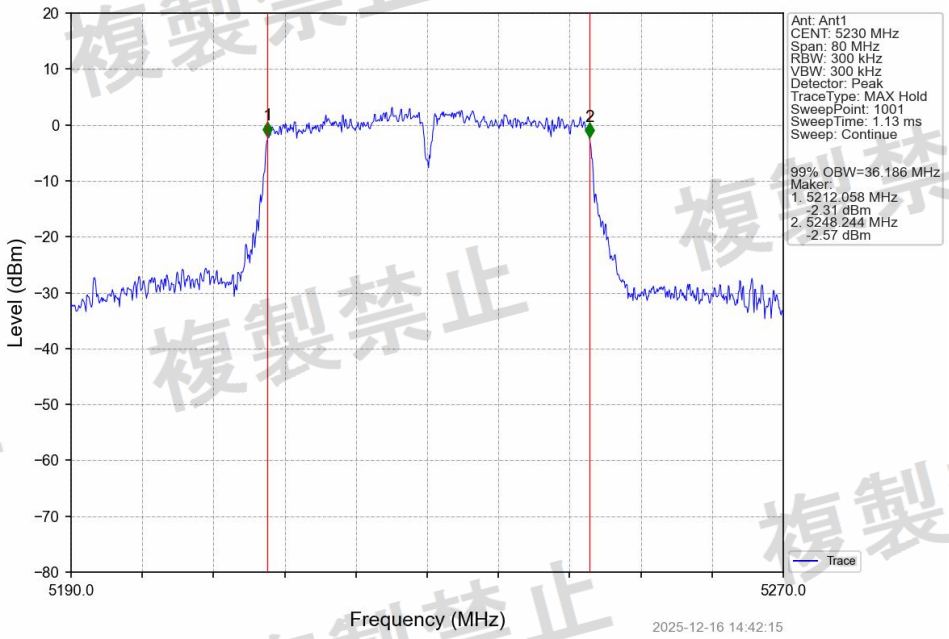
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



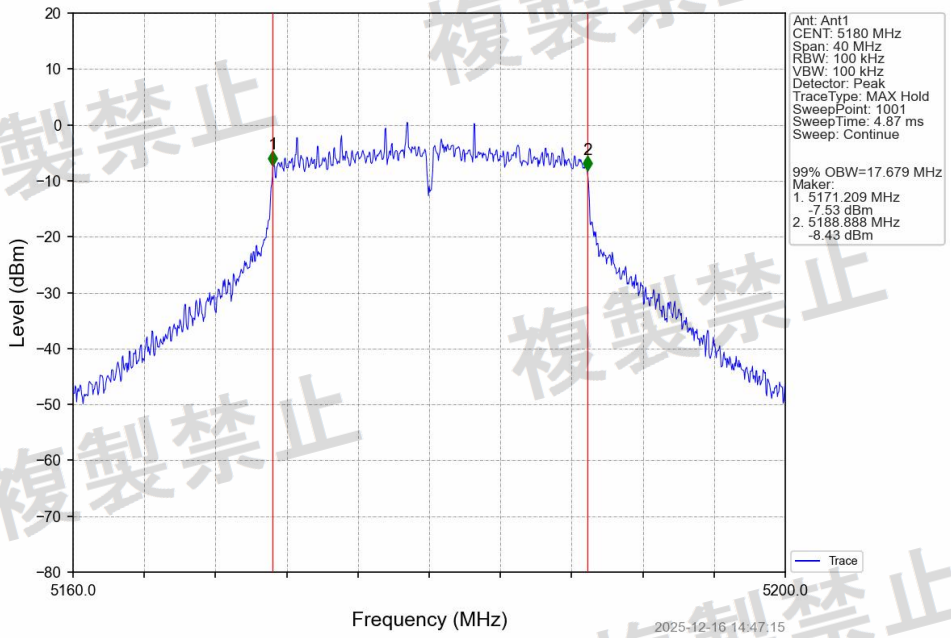
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



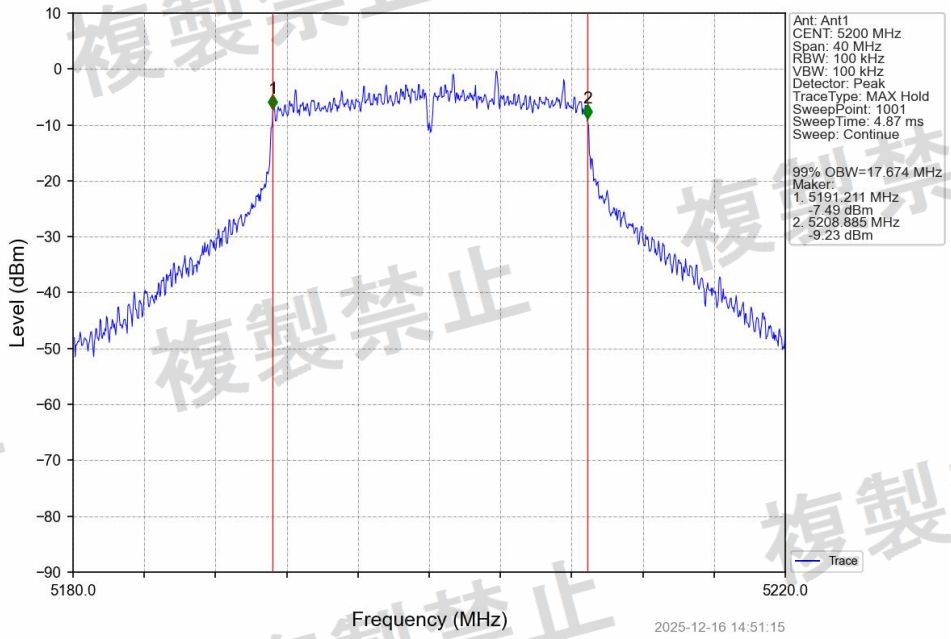
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



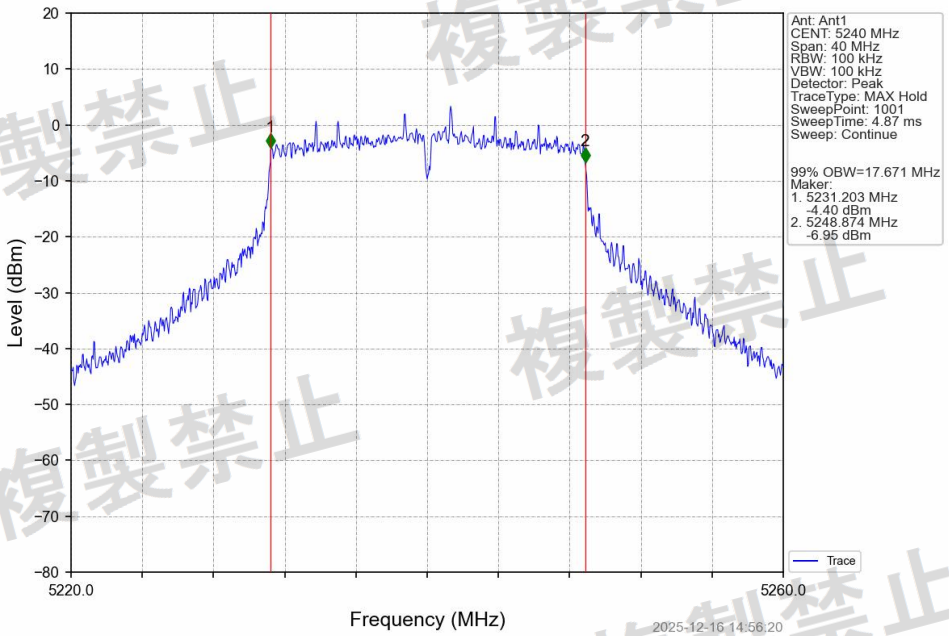
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



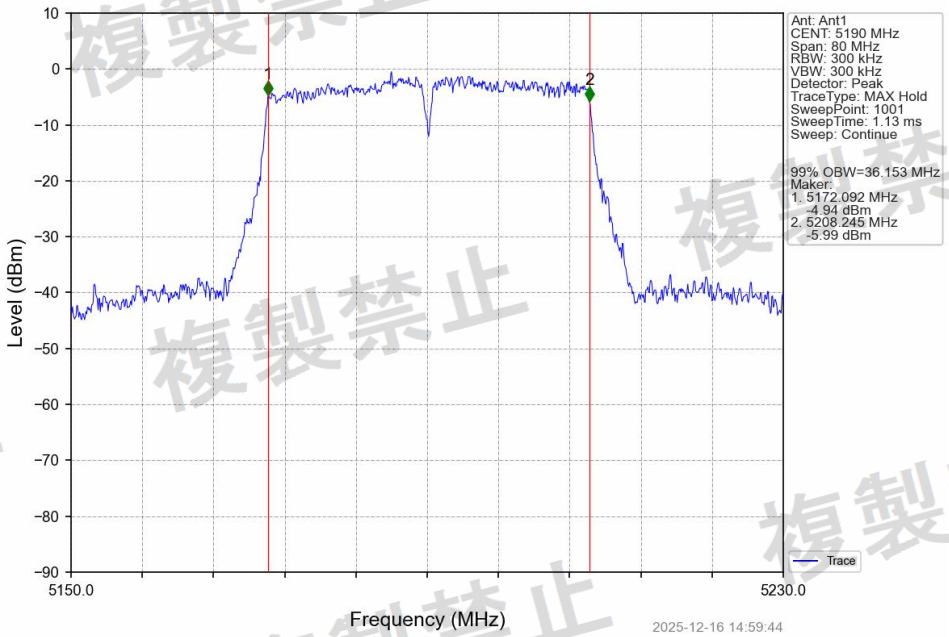
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



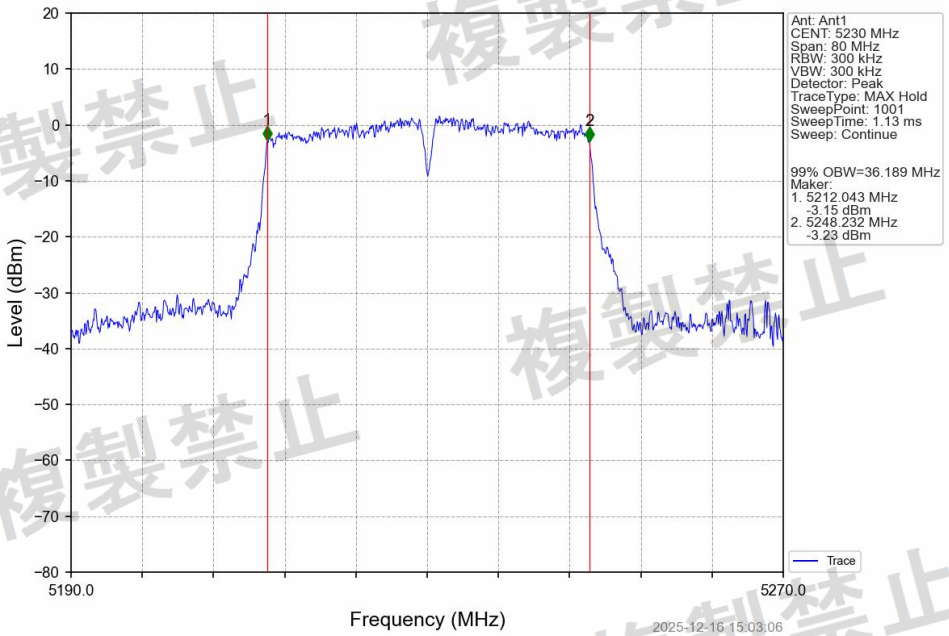
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



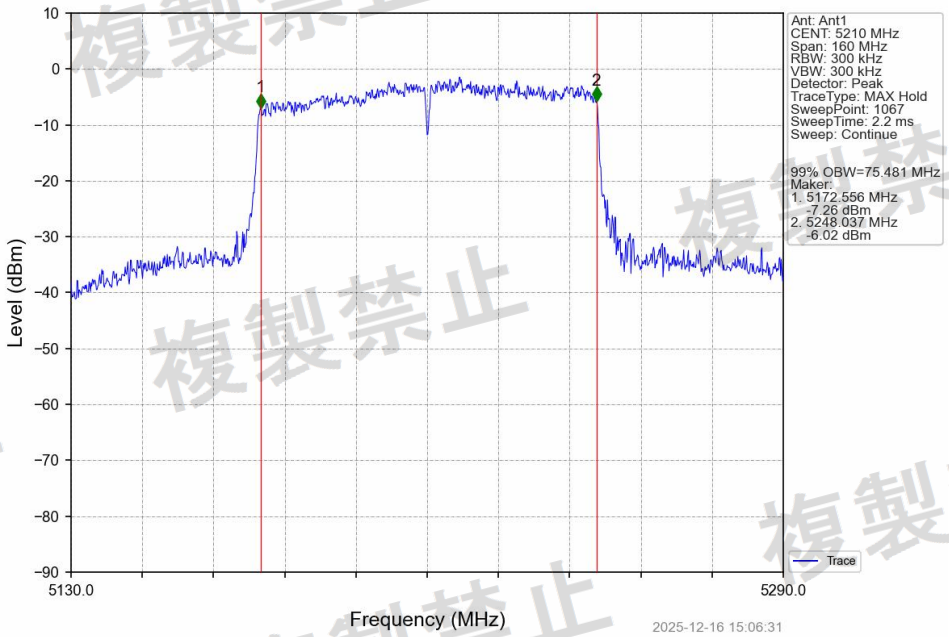
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



3. Antenna Power

3.1 Test Result

3.1.1 Power_NTNV

NTNV									
Mode	TX Type	Frequency (MHz)	ANT	Antenna Power (mW/MHz)		Nominal Power (mW/MHz)	Tolerance (%)		Verdict
				Measured	Limit		Measured	Limit	
802.11a	SISO	5180	1	1.231	<=10.00	2.800	-56.04	-80 to 20	Pass
		5200	1	2.428	<=10.00	2.800	-13.29	-80 to 20	Pass
		5240	1	2.284	<=10.00	2.800	-18.43	-80 to 20	Pass
802.11n (HT20)	SISO	5180	1	1.325	<=10.00	2.800	-52.68	-80 to 20	Pass
		5200	1	1.320	<=10.00	2.800	-52.86	-80 to 20	Pass
		5240	1	2.237	<=10.00	2.800	-20.11	-80 to 20	Pass
802.11n (HT40)	SISO	5190	1	0.764	<=5.00	1.500	-49.07	-80 to 20	Pass
		5230	1	1.119	<=5.00	1.500	-25.40	-80 to 20	Pass
802.11ac (VHT20)	SISO	5180	1	0.860	<=10.00	1.800	-52.22	-80 to 20	Pass
		5200	1	0.839	<=10.00	1.800	-53.39	-80 to 20	Pass
		5240	1	1.457	<=10.00	1.800	-19.06	-80 to 20	Pass
802.11ac (VHT40)	SISO	5190	1	0.431	<=5.00	1.000	-56.90	-80 to 20	Pass
		5230	1	0.898	<=5.00	1.000	-10.20	-80 to 20	Pass
802.11ac (VHT80)	SISO	5210	1	0.386	<=2.50	0.390	-1.03	-80 to 20	Pass

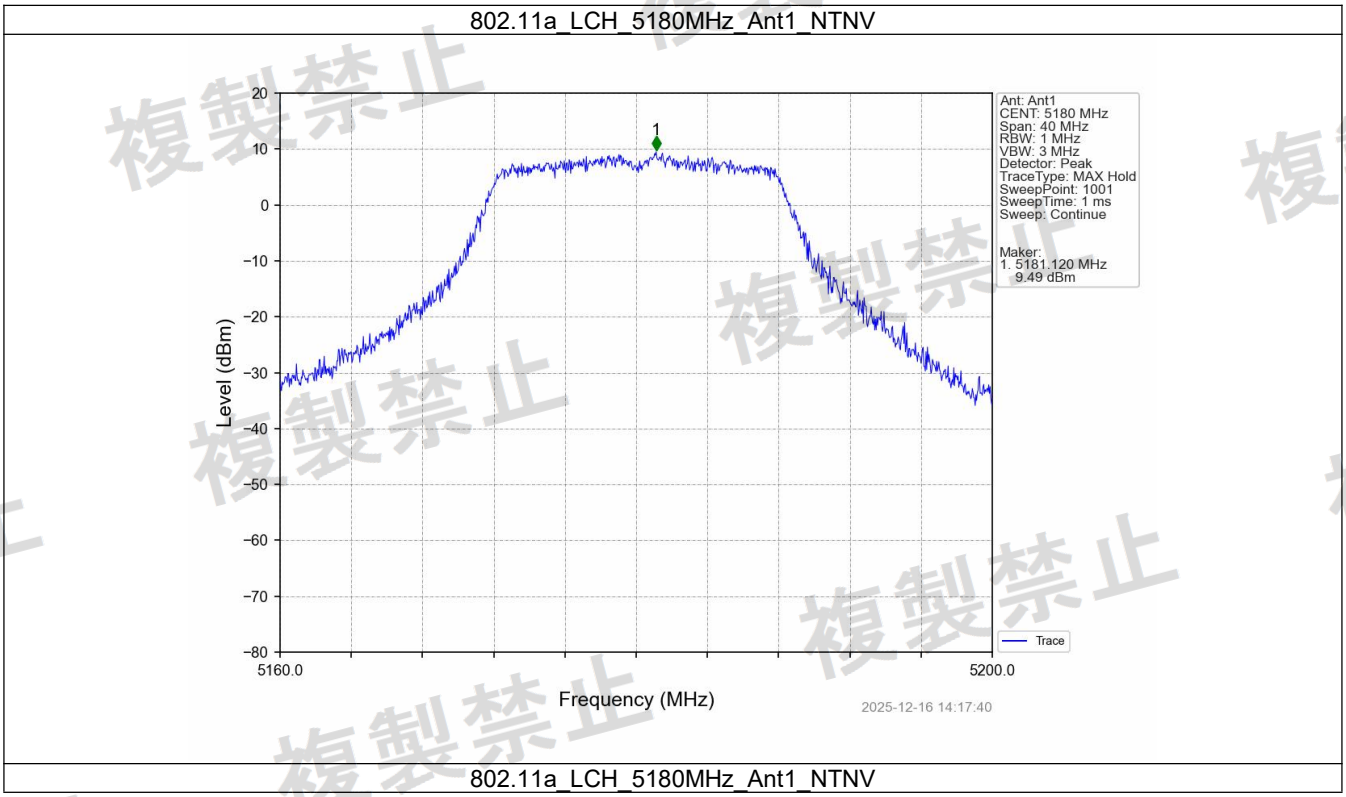
3.1.2 EIRP_NTNV

NTNV							
Mode	TX Type	Frequency (MHz)	ANT	Gain (dBi)	EIRP (mW/MHz)		Verdict
					Result	Limit	
802.11a	SISO	5180	1	0.90	1.51	<=10	Pass
		5200	1	0.90	2.99	<=10	Pass
		5240	1	0.90	2.81	<=10	Pass
802.11n (HT20)	SISO	5180	1	0.90	1.63	<=10	Pass
		5200	1	0.90	1.62	<=10	Pass
		5240	1	0.90	2.75	<=10	Pass
802.11n (HT40)	SISO	5190	1	0.90	0.94	<=5	Pass
		5230	1	0.90	1.38	<=5	Pass
802.11ac (VHT20)	SISO	5180	1	0.90	1.06	<=10	Pass
		5200	1	0.90	1.03	<=10	Pass
		5240	1	0.90	1.79	<=10	Pass
802.11ac (VHT40)	SISO	5190	1	0.90	0.53	<=5	Pass
		5230	1	0.90	1.10	<=5	Pass
802.11ac (VHT80)	SISO	5210	1	0.90	0.47	<=2.5	Pass

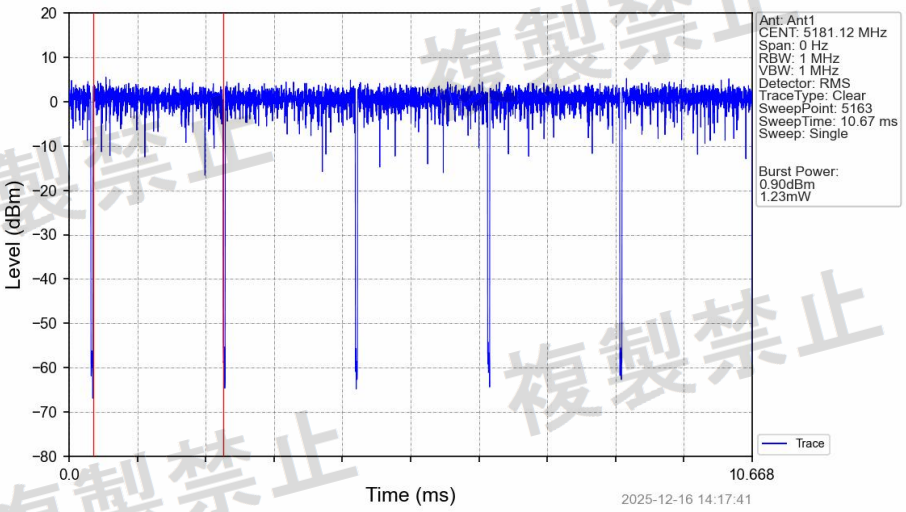
3.2 Test Graph

3.2.1 Power_NTNV

802.11a_LCH_5180MHz_Ant1_NTNV

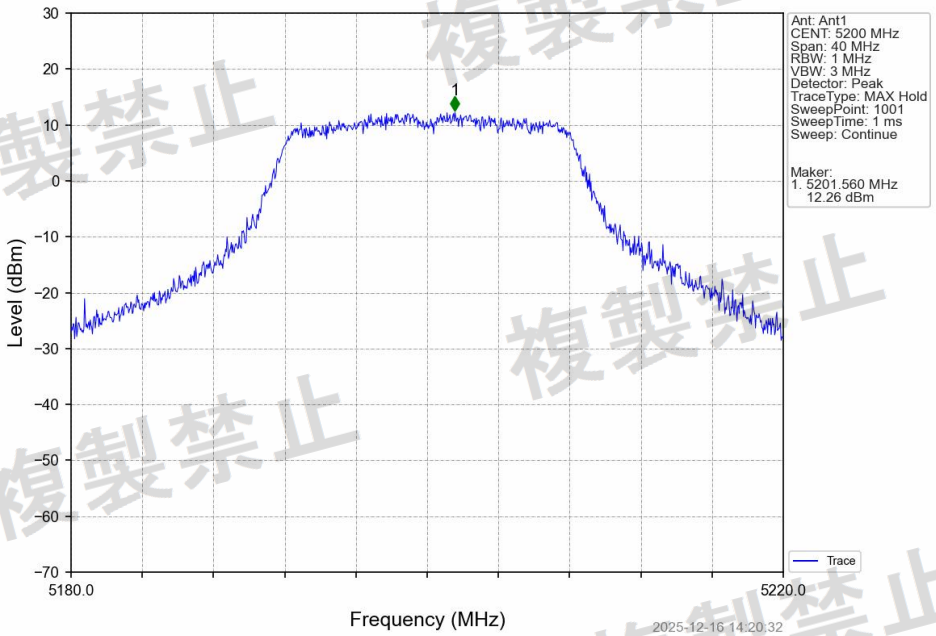


802.11a_LCH_5180MHz_Ant1_NTNV

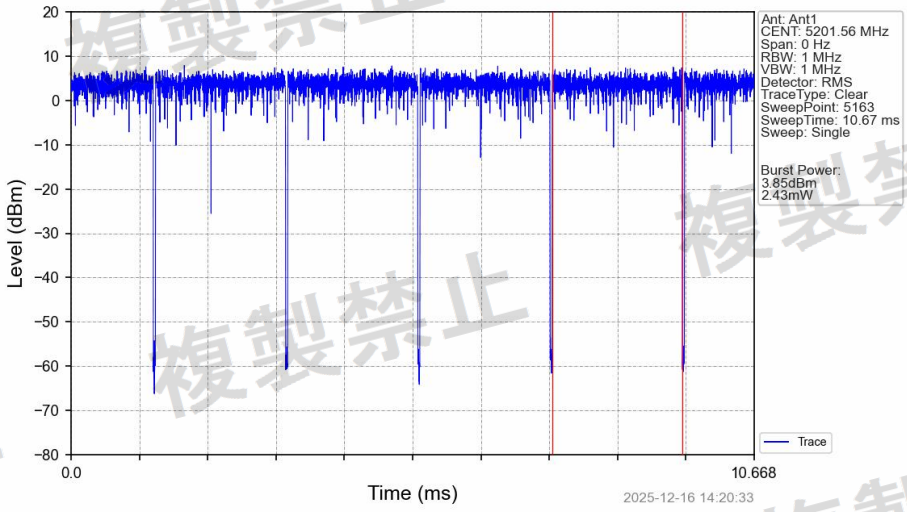


Burst No.	1	2	3	4
Length (ms)	**2.032**	2.032	2.029	2.029
Power(dBm)	**0.90**	0.68	0.83	0.90
Power(mW)	**1.231**	1.170	1.209	1.231
Remark	**Max**	/	/	/

802.11a_MCH_5200MHz_Ant1_NTNV

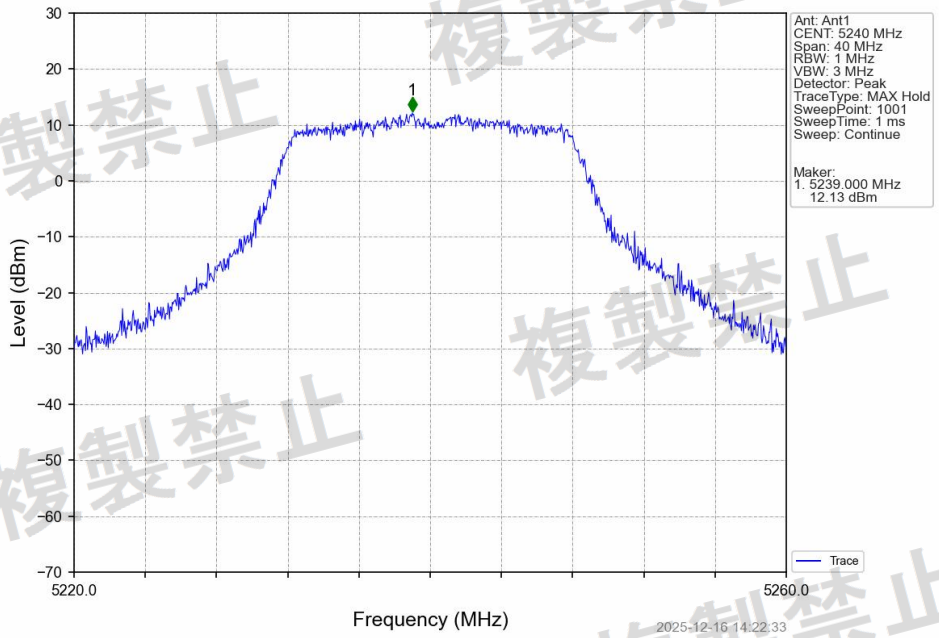


802.11a_MCH_5200MHz_Ant1_NTNV

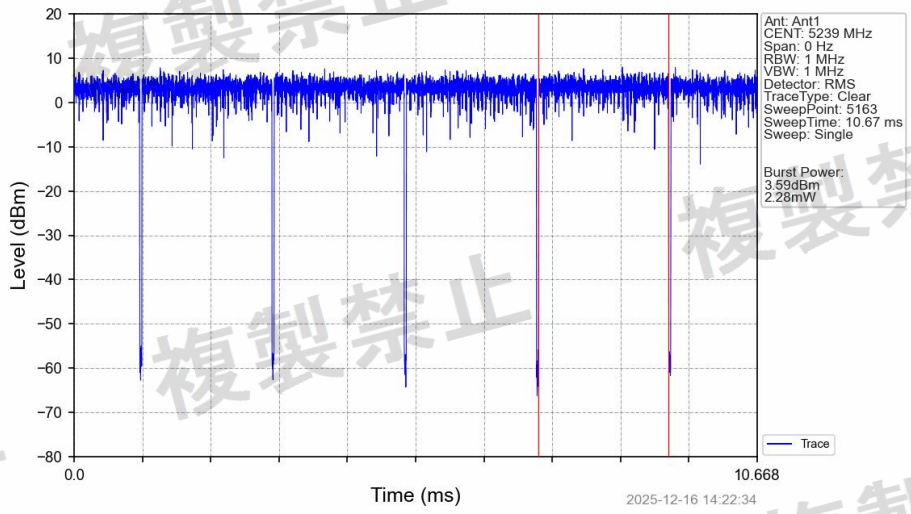


Burst No.	1	2	3	4
Length (ms)	2.032	2.032	2.032	**2.029**
Power(dBm)	3.82	3.85	3.81	**3.85**
Power(mW)	2.412	2.426	2.406	**2.428**
Remark	/	/	/	**Max**

802.11a_HCH_5240MHz_Ant1_NTNV

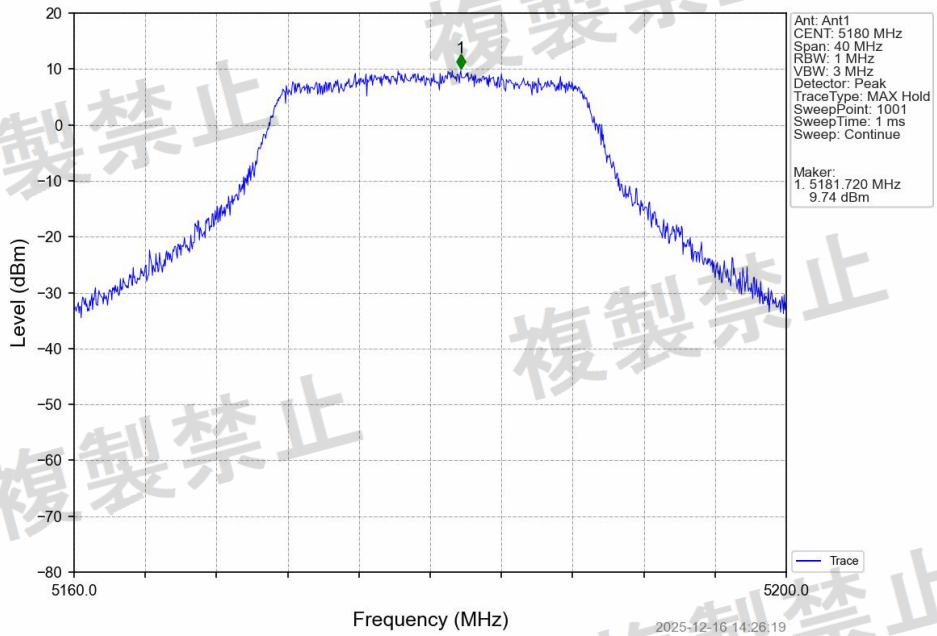


802.11a_HCH_5240MHz_Ant1_NTNV

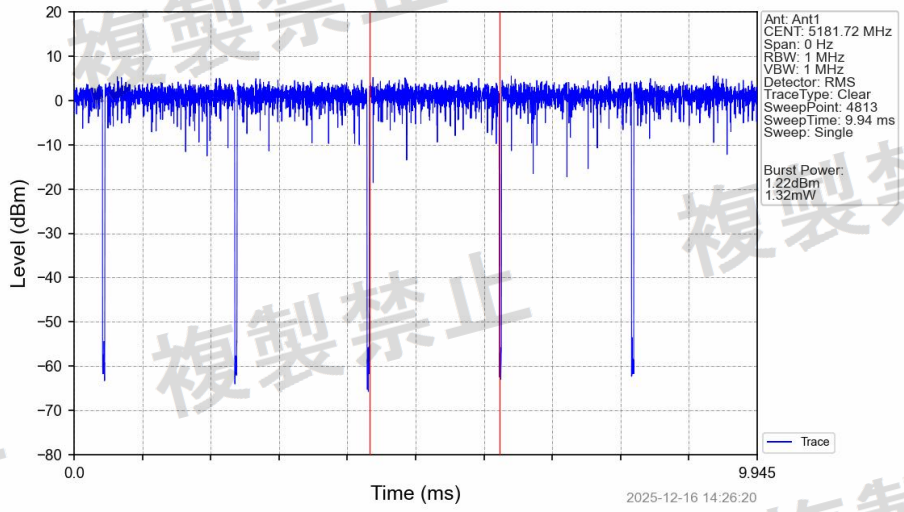


Burst No.	1	2	3	4
Length (ms)	2.029	2.029	2.032	**2.032**
Power(dBm)	3.47	3.51	3.49	**3.59**
Power(mW)	2.226	2.245	2.235	**2.284**
Remark	/	/	/	**Max**

802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

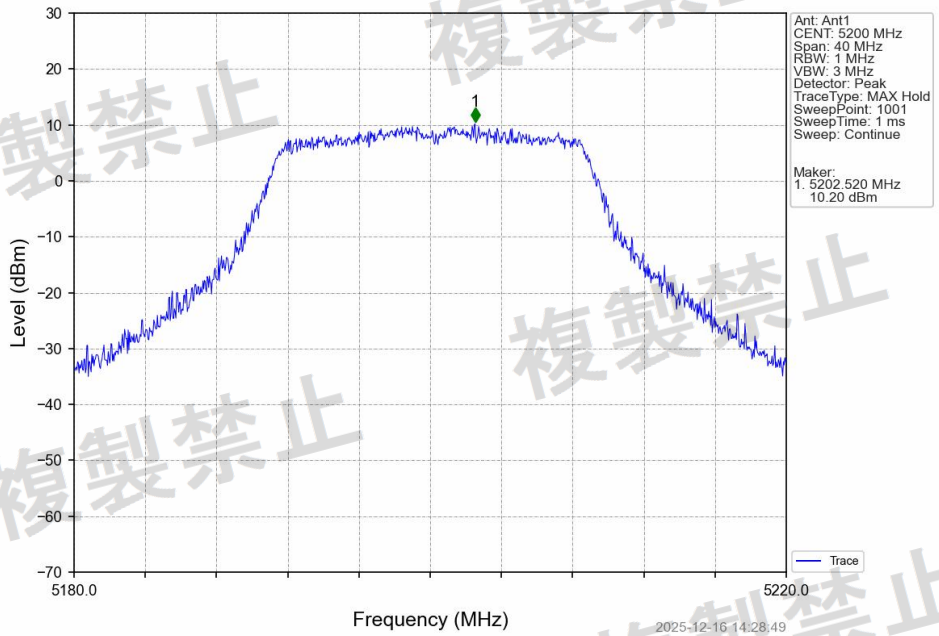


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

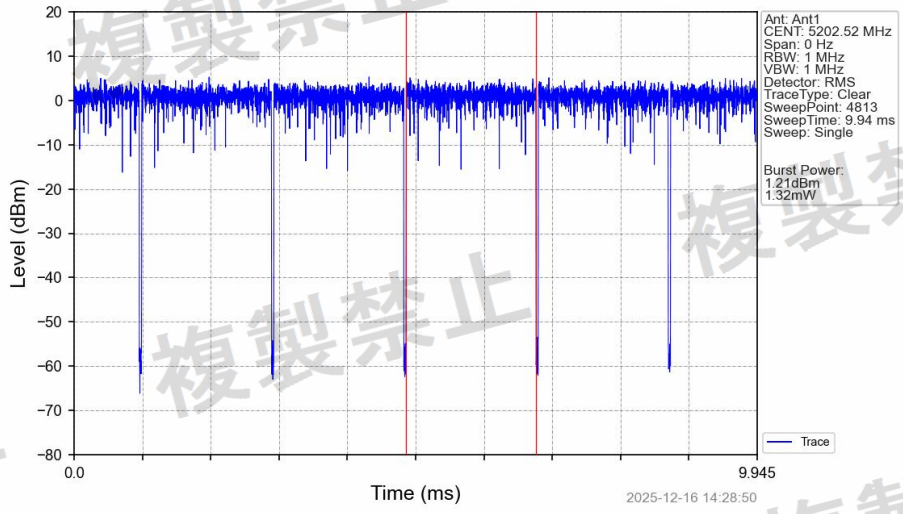


Burst No.	1	2	**3**	4
Length (ms)	1.891	1.891	**1.891**	1.891
Power(dBm)	1.19	1.15	**1.22**	1.17
Power(mW)	1.317	1.302	**1.325**	1.310
Remark	/	/	**Max**	/

802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

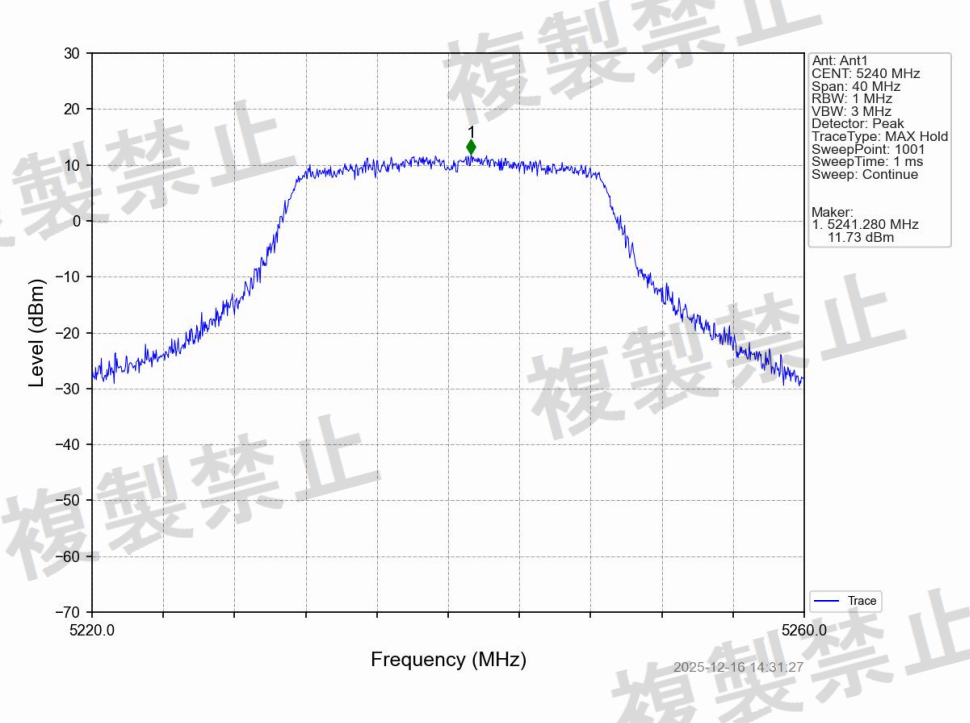


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

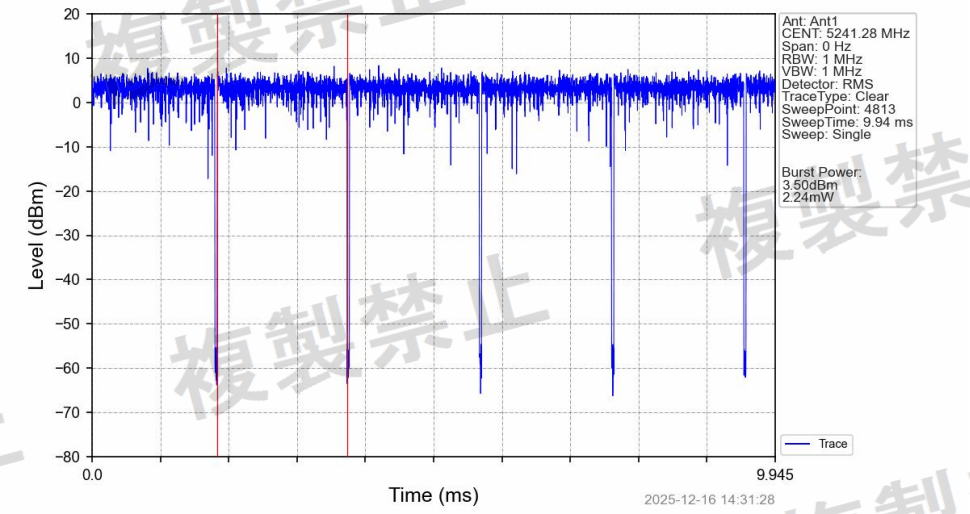


Burst No.	1	2	**3**	4
Length (ms)	1.891	1.889	**1.891**	1.889
Power(dBm)	1.05	0.98	**1.21**	1.03
Power(mW)	1.275	1.255	**1.320**	1.267
Remark	/	/	**Max**	/

802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

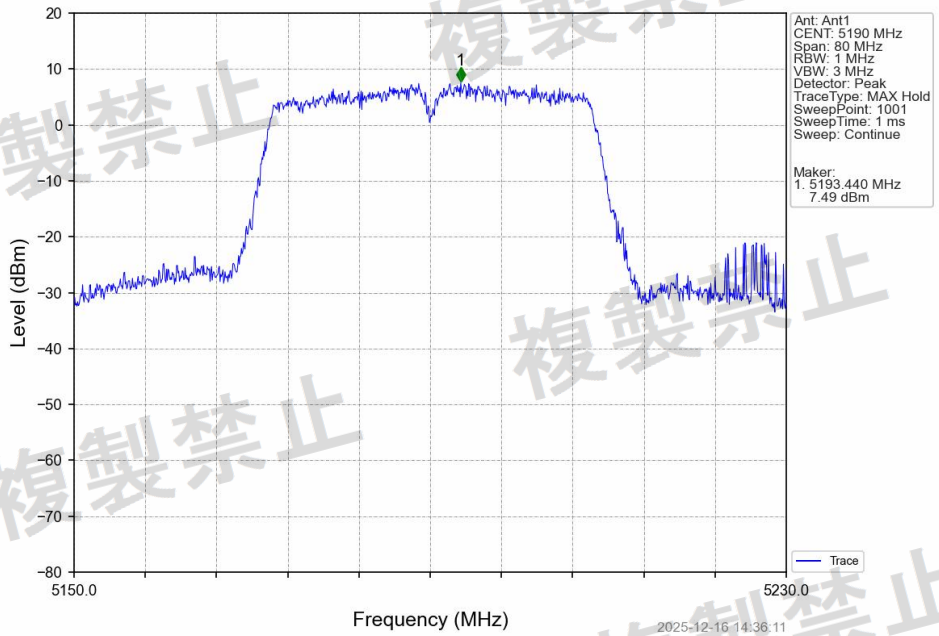


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

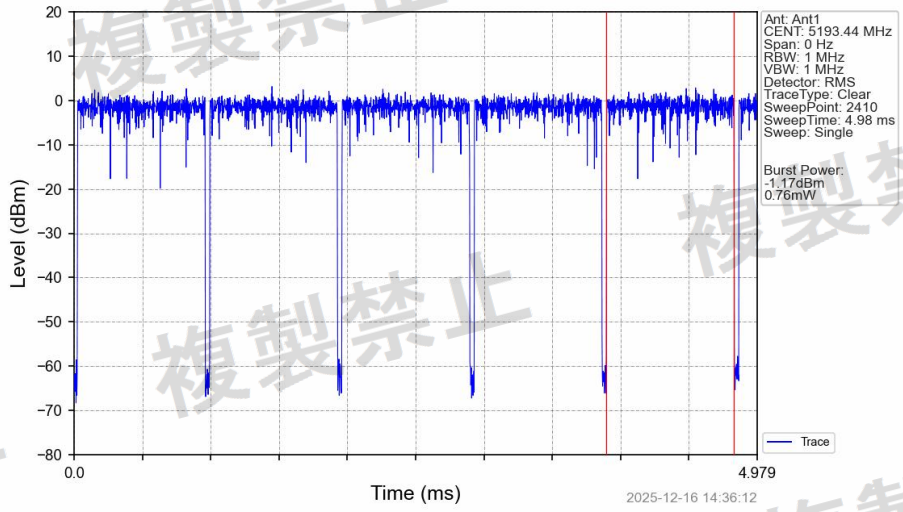


Burst No.	1	2	3	4
Length (ms)	**1.891**	1.891	1.891	1.889
Power(dBm)	**3.50**	3.47	3.47	3.42
Power(mW)	**2.237**	2.222	2.222	2.199
Remark	**Max**	/	/	/

802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

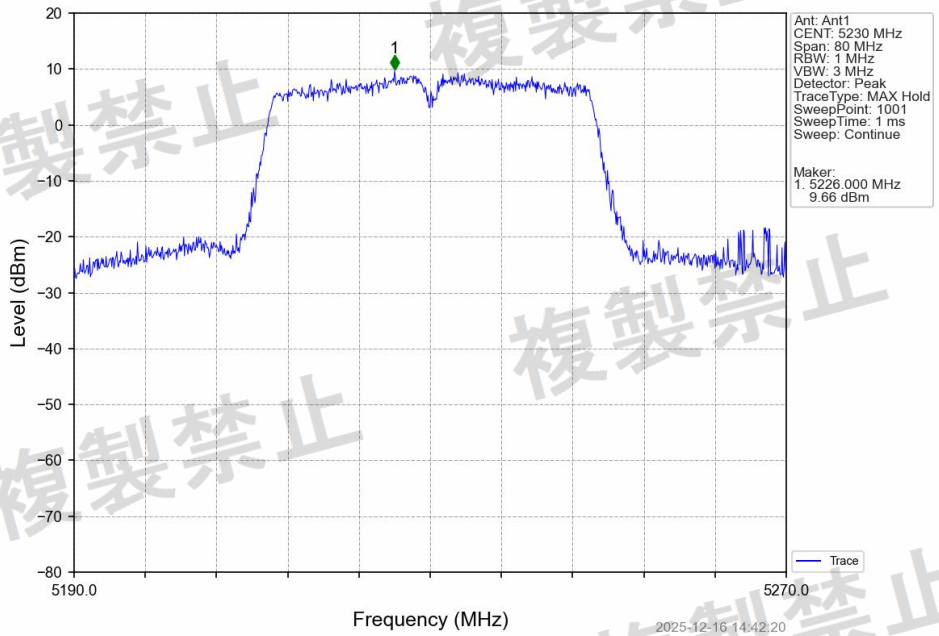


802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

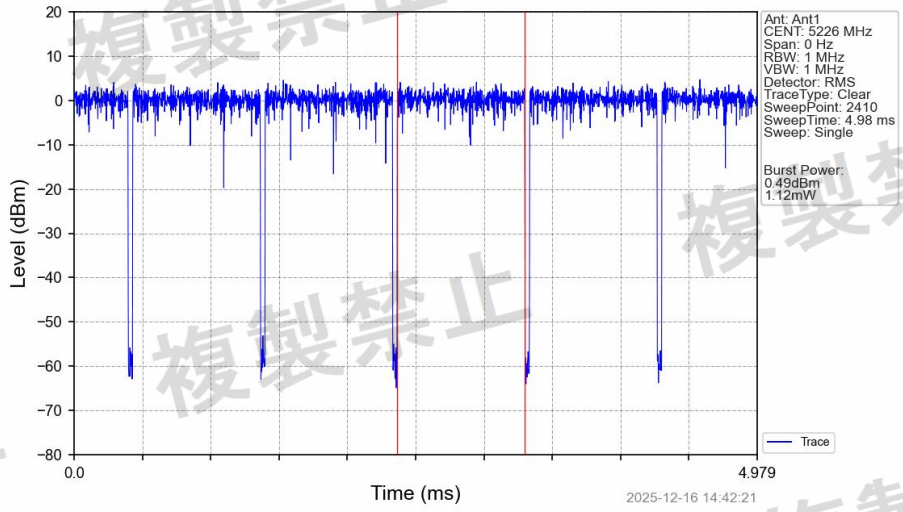


Burst No.	1	2	3	4	5
Length (ms)	0.930	0.930	0.930	0.928	**0.930**
Power(dBm)	-1.37	-1.31	-1.27	-1.19	**-1.17**
Power(mW)	0.729	0.740	0.747	0.761	**0.764**
Remark	/	/	/	/	**Max**

802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

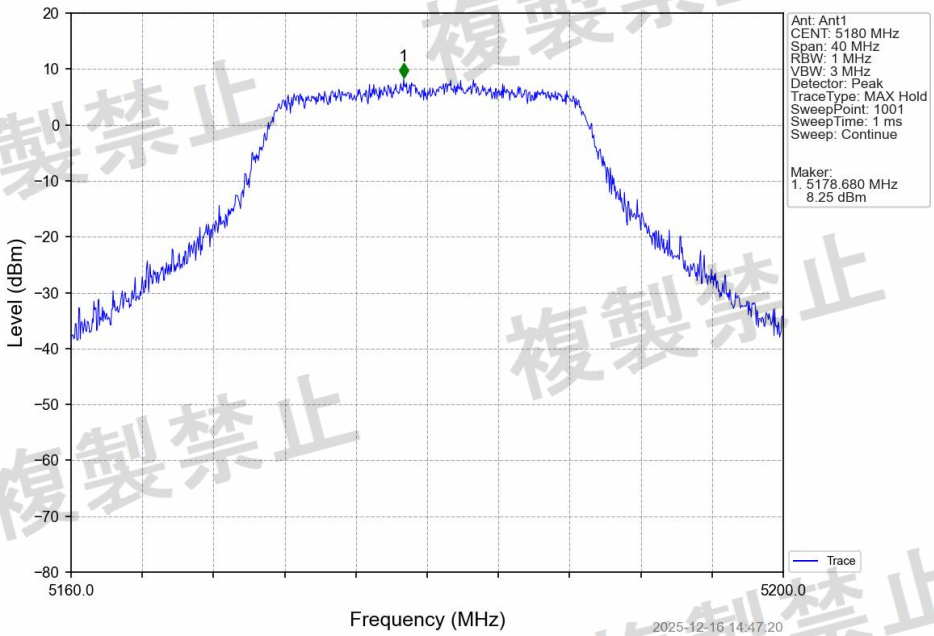


802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

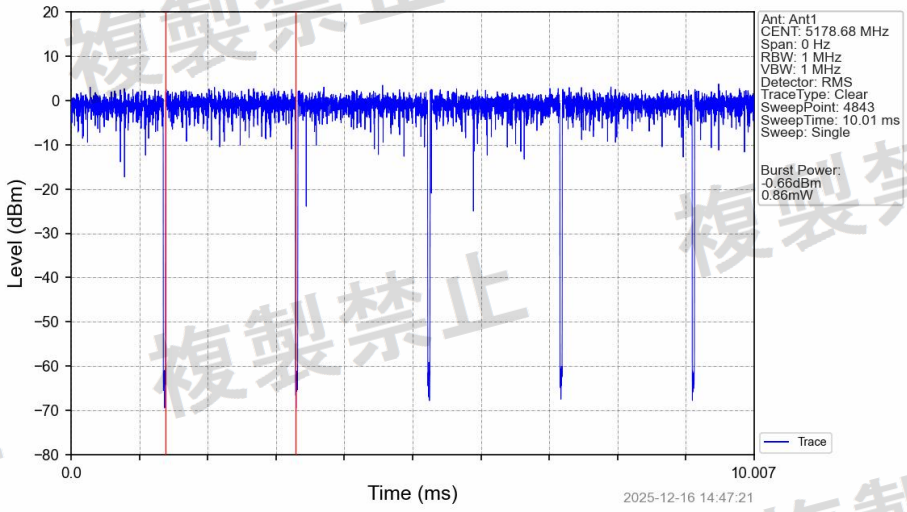


Burst No.	1	2	**3**	4
Length (ms)	0.930	0.928	**0.930**	0.928
Power(dBm)	0.25	0.48	**0.49**	0.46
Power(mW)	1.058	1.117	**1.119**	1.111
Remark	/	/	**Max**	/

802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

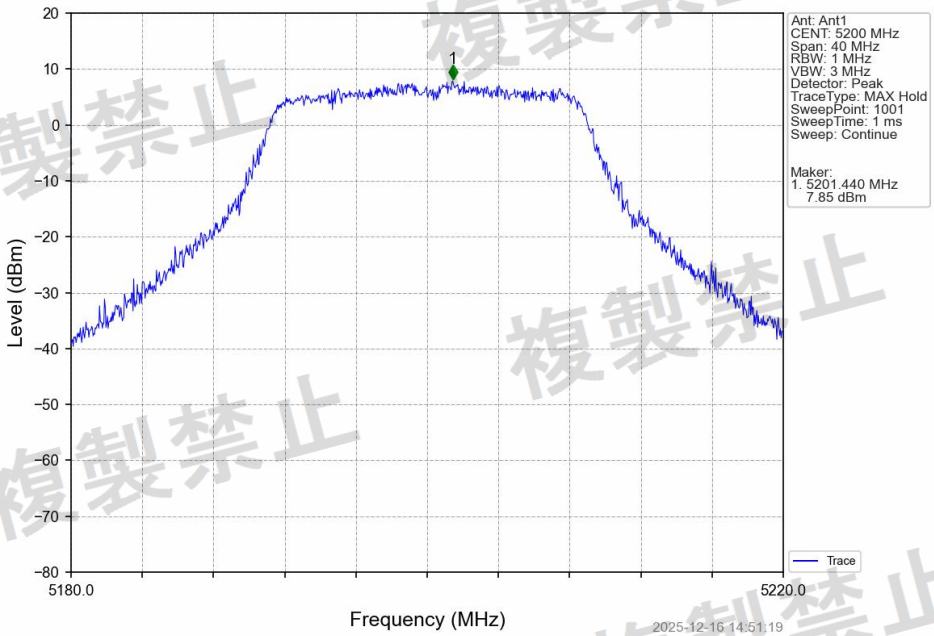


802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

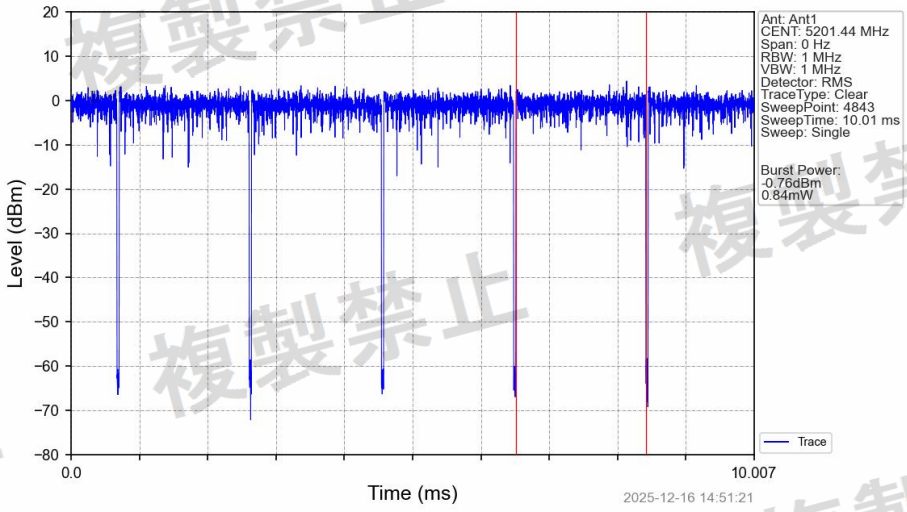


Burst No.	1	2	3	4
Length (ms)	**1.901**	1.903	1.903	1.901
Power(dBm)	**-0.66**	-0.82	-0.85	-0.71
Power(mW)	**0.860**	0.828	0.822	0.848
Remark	**Max**	/	/	/

802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

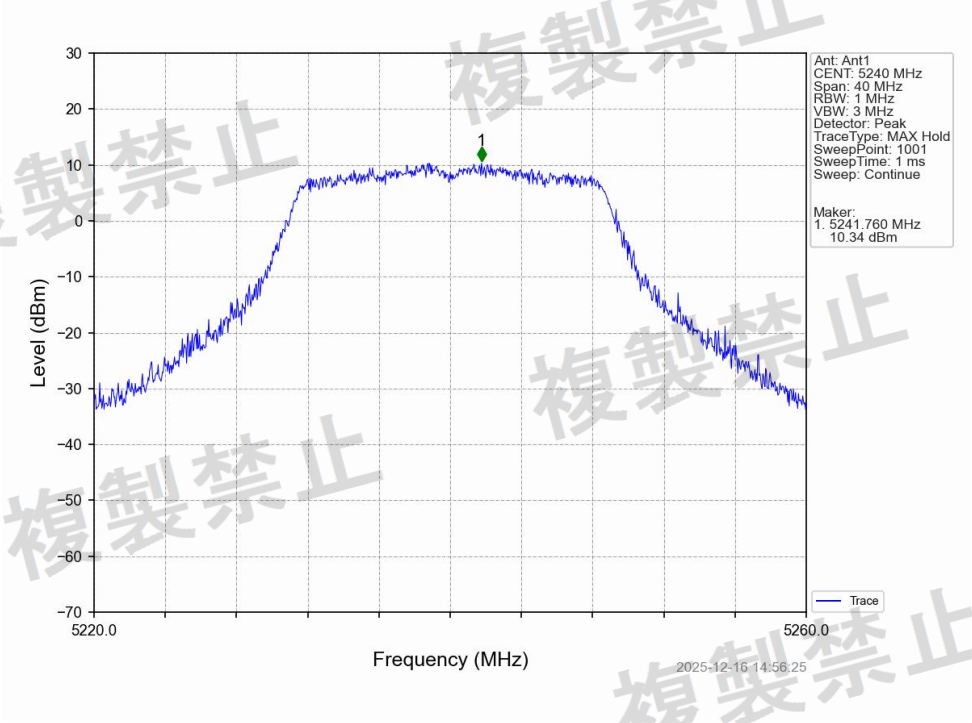


802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

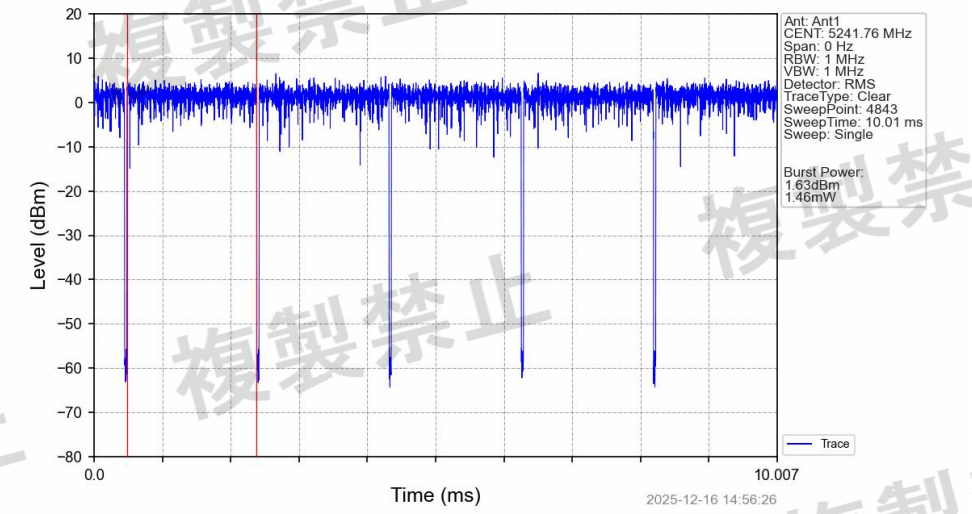


Burst No.	1	2	3	4
Length (ms)	1.903	1.901	1.903	**1.903**
Power(dBm)	-0.83	-0.87	-0.82	**-0.76**
Power(mW)	0.826	0.818	0.829	**0.839**
Remark	/	/	/	**Max**

802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV

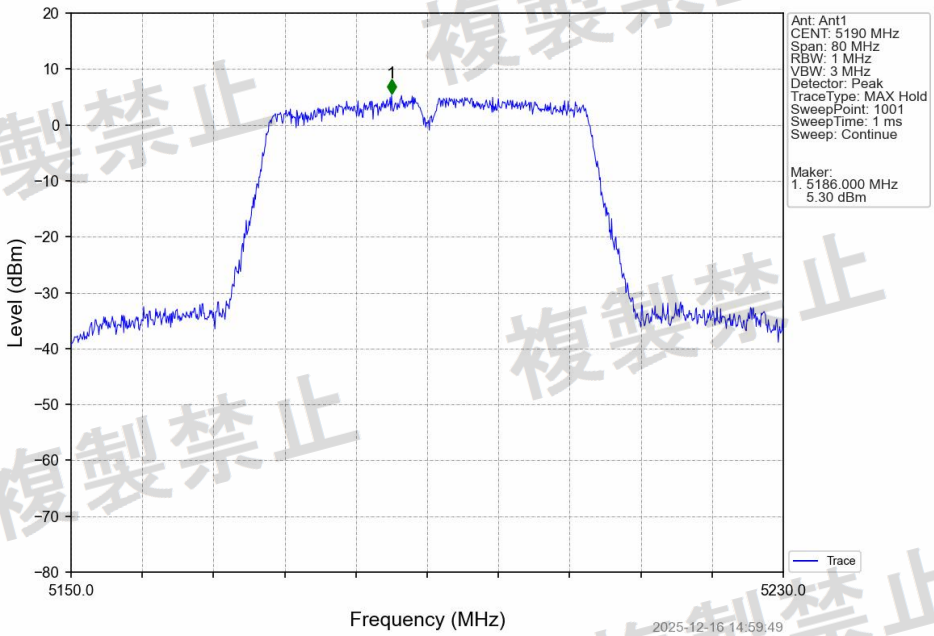


802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV

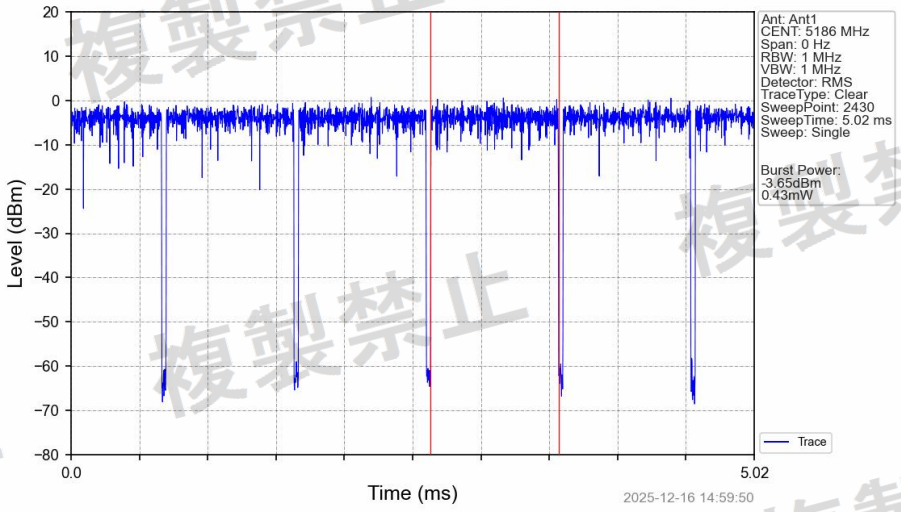


Burst No.	1	2	3	4
Length (ms)	**1.901**	1.903	1.903	1.903
Power(dBm)	**1.63**	1.62	1.48	1.45
Power(mW)	**1.457**	1.454	1.407	1.398
Remark	**Max**	/	/	/

802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV

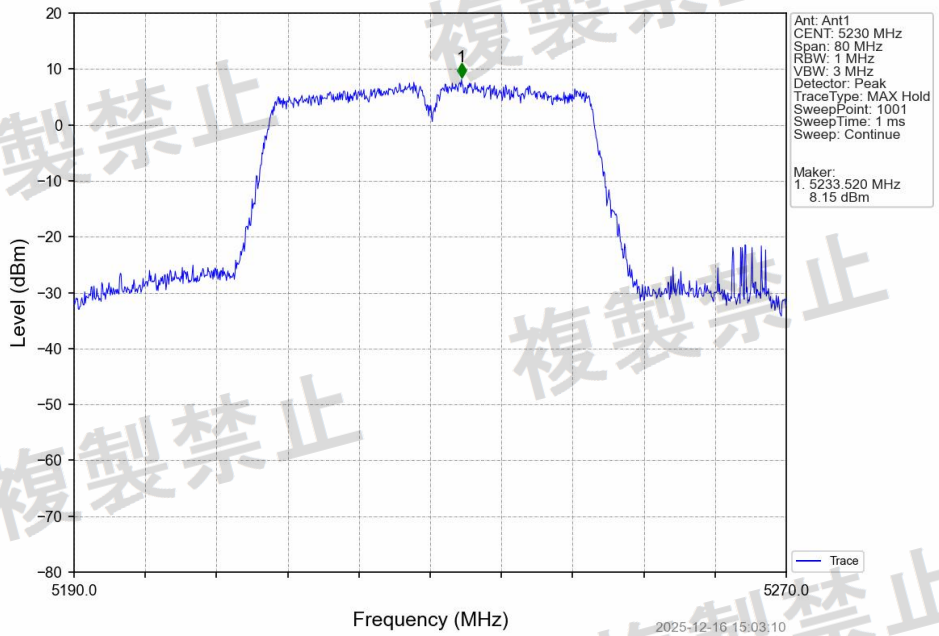


802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV

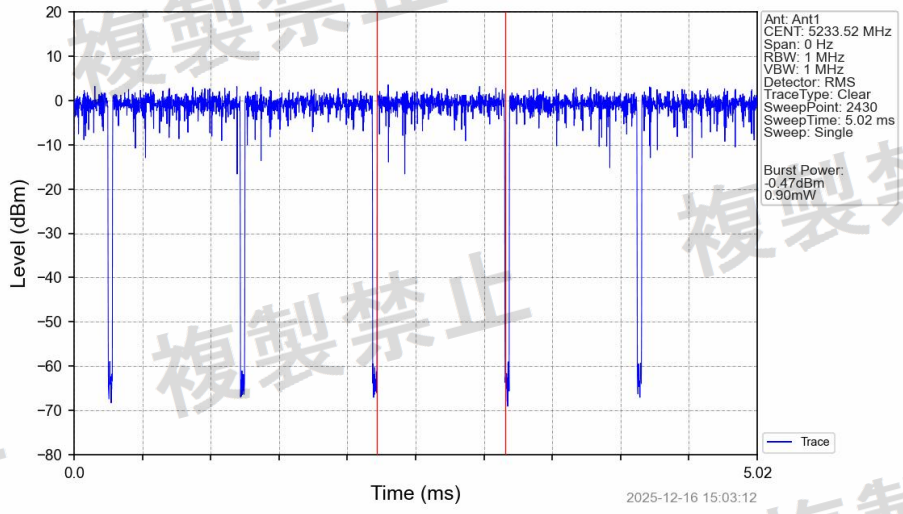


Burst No.	1	2	**3**	4
Length (ms)	0.936	0.938	**0.938**	0.936
Power(dBm)	-3.76	-3.81	**-3.65**	-3.68
Power(mW)	0.421	0.416	**0.431**	0.429
Remark	/	/	**Max**	/

802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

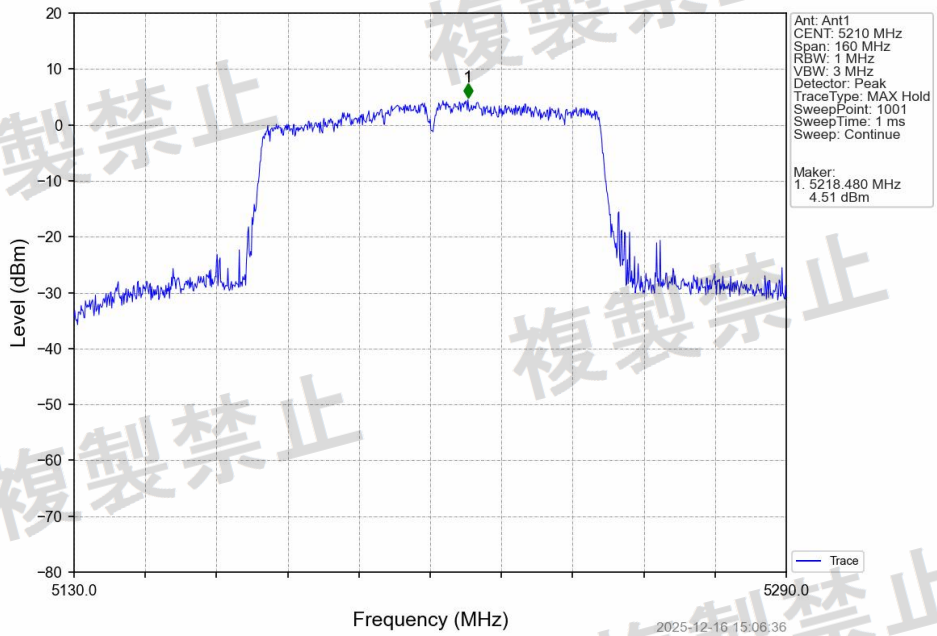


802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

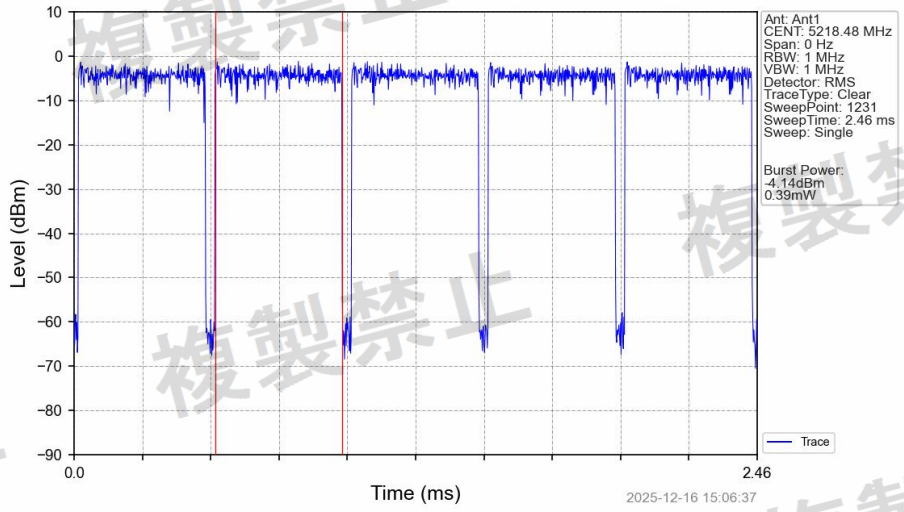


Burst No.	1	2	**3**	4
Length (ms)	0.938	0.936	**0.938**	0.938
Power(dBm)	-0.56	-0.59	**-0.47**	-0.59
Power(mW)	0.879	0.873	**0.898**	0.873
Remark	/	/	**Max**	/

802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



Burst No.	1	**2**	3	4	5
Length (ms)	0.456	**0.456**	0.456	0.456	0.456
Power(dBm)	-4.19	**-4.14**	-4.18	-4.30	-4.17
Power(mW)	0.381	**0.386**	0.382	0.372	0.383
Remark	/	**Max**	/	/	/

4. Adjacent Channel Leakage Power

4.1 Test Result

4.1.1 ACLR_NTNV_SISO

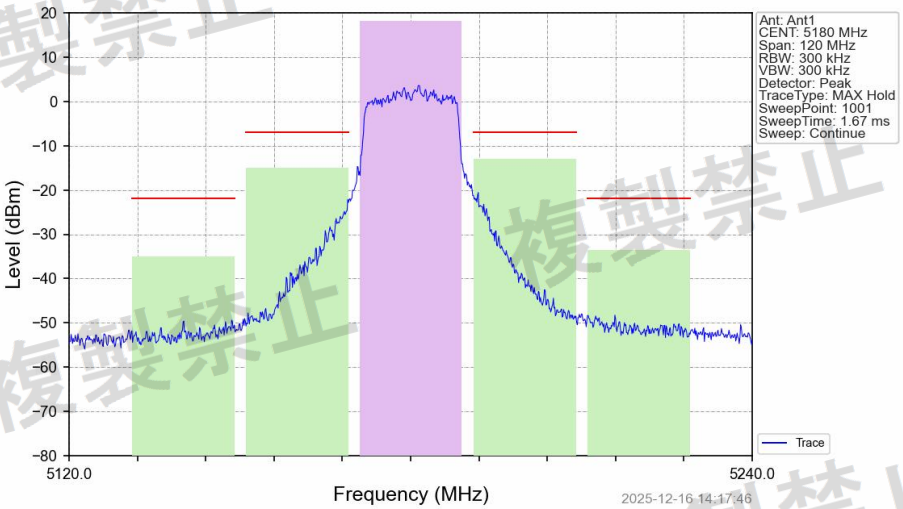
NTNV									
Mode	TX Type	Frequency (MHz)	ANT	Offset (MHz)	Integ BW (MHz)	Power (dBm)	Result (dBc)	Limit (dBc)	Verdict
802.11a	SISO	5180	1	-40	18	-35.10	-53.23	<=-40	Pass
				-20	18	-15.00	-33.13	<=-25	Pass
				0	18	18.13	/	/	/
				20	18	-13.03	-31.16	<=-25	Pass
				40	18	-33.55	-51.68	<=-40	Pass
		5200	1	-40	18	-31.25	-52.49	<=-40	Pass
				-20	18	-9.84	-31.08	<=-25	Pass
				0	18	21.24	/	/	/
				20	18	-8.40	-29.64	<=-25	Pass
				40	18	-29.88	-51.12	<=-40	Pass
		5240	1	-40	18	-33.50	-54.33	<=-40	Pass
				-20	18	-11.62	-32.45	<=-25	Pass
				0	18	20.83	/	/	/
				20	18	-10.23	-31.06	<=-25	Pass
				40	18	-32.85	-53.68	<=-40	Pass
802.11n (HT20)	SISO	5180	1	-40	18	-34.96	-53.84	<=-40	Pass
				-20	18	-12.66	-31.54	<=-25	Pass
				0	18	18.88	/	/	/
				20	18	-11.91	-30.79	<=-25	Pass
				40	18	-33.73	-52.61	<=-40	Pass
		5200	1	-40	18	-34.78	-53.72	<=-40	Pass
				-20	18	-13.52	-32.46	<=-25	Pass
				0	18	18.94	/	/	/
				20	18	-11.64	-30.58	<=-25	Pass
				40	18	-33.35	-52.29	<=-40	Pass
		5240	1	-40	18	-31.68	-52.67	<=-40	Pass
				-20	18	-10.36	-31.35	<=-25	Pass
				0	18	20.99	/	/	/
				20	18	-8.81	-29.80	<=-25	Pass
				40	18	-31.52	-52.51	<=-40	Pass
802.11n (HT40)	SISO	5190	1	-80	40	-34.55	-53.89	<=-40	Pass
				-40	40	-13.88	-33.22	<=-25	Pass
				0	40	19.34	/	/	/
				40	40	-14.01	-33.35	<=-25	Pass
				80	40	-31.50	-50.84	<=-40	Pass
		5230	1	-80	40	-28.64	-49.85	<=-40	Pass
				-40	40	-9.57	-30.78	<=-25	Pass
				0	40	21.21	/	/	/
				40	40	-10.02	-31.23	<=-25	Pass
				80	40	-27.33	-48.54	<=-40	Pass
802.11ac	SISO	5180	1	-40	18	-37.60	-54.49	<=-40	Pass

(VHT20)				-20	18	-15.03	-31.92	<=-25	Pass
				0	18	16.89	/	/	/
				20	18	-14.34	-31.23	<=-25	Pass
				40	18	-35.78	-52.67	<=-40	Pass
		5200	1	-40	18	-36.39	-53.21	<=-40	Pass
				-20	18	-15.67	-32.49	<=-25	Pass
				0	18	16.82	/	/	/
				20	18	-14.34	-31.16	<=-25	Pass
				40	18	-34.54	-51.36	<=-40	Pass
		5240	1	-40	18	-34.54	-53.71	<=-40	Pass
				-20	18	-13.02	-32.19	<=-25	Pass
				0	18	19.17	/	/	/
				20	18	-11.50	-30.67	<=-25	Pass
				40	18	-33.49	-52.66	<=-40	Pass
802.11ac (VHT40)	SISO	5190	1	-80	40	-35.78	-53.21	<=-40	Pass
				-40	40	-19.04	-36.47	<=-25	Pass
				0	40	17.43	/	/	/
				40	40	-17.18	-34.61	<=-25	Pass
				80	40	-33.30	-50.73	<=-40	Pass
		5230	1	-80	40	-34.65	-54.67	<=-40	Pass
				-40	40	-13.88	-33.90	<=-25	Pass
				0	40	20.02	/	/	/
				40	40	-14.24	-34.26	<=-25	Pass
				80	40	-33.00	-53.02	<=-40	Pass
802.11ac (VHT80)	SISO	5210	1	-80	80	-13.15	-32.41	<=-25	Pass
				0	80	19.26	/	/	/
				80	80	-11.75	-31.01	<=-25	Pass

4.2 Test Graph

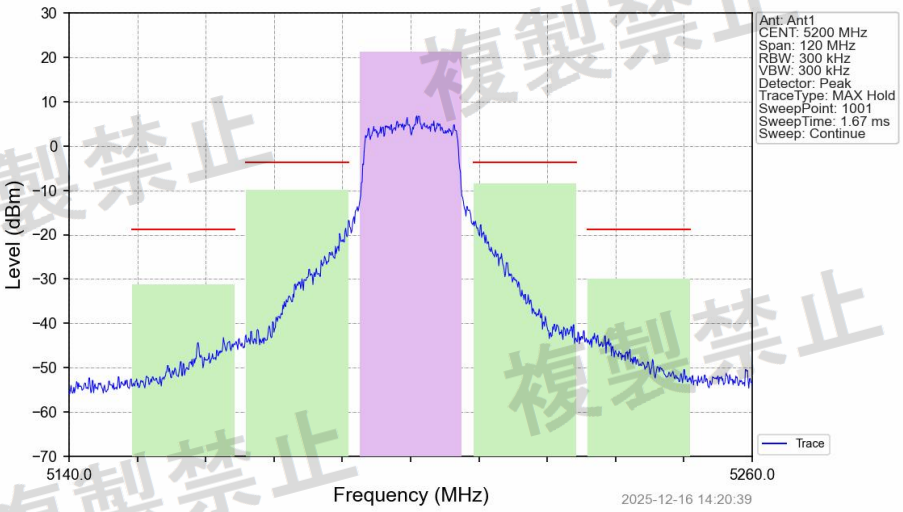
4.2.1 ACLR_NTNV_SISO

802.11a_LCH_5180MHz_Ant1_NTNV



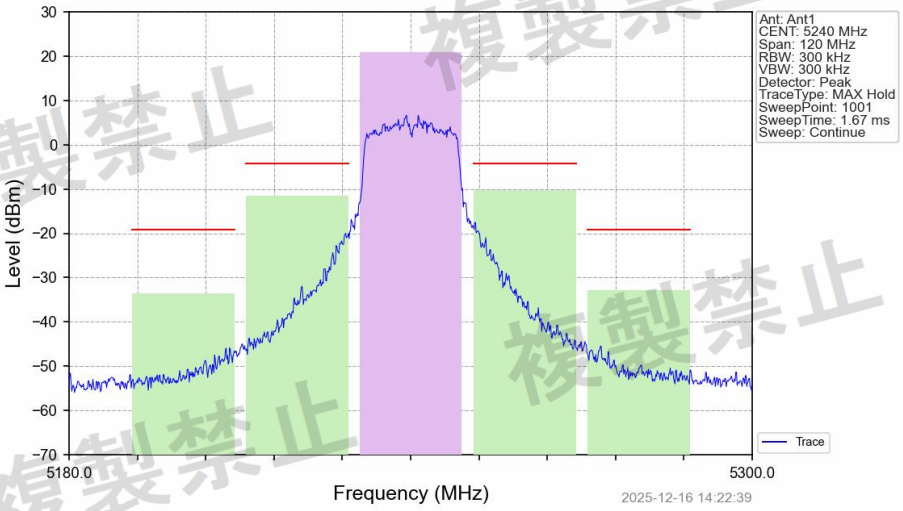
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-35.10	-53.23	-40	13.23	Pass
Adjacent	-20	18.00	-15.00	-33.13	-25	8.13	Pass
Carrier	/	18.00	18.13	/	/	/	/
Adjacent	20	18.00	-13.03	-31.16	-25	6.16	Pass
Alternate	40	18.00	-33.55	-51.68	-40	11.68	Pass

802.11a_MCH_5200MHz_Ant1_NTNV



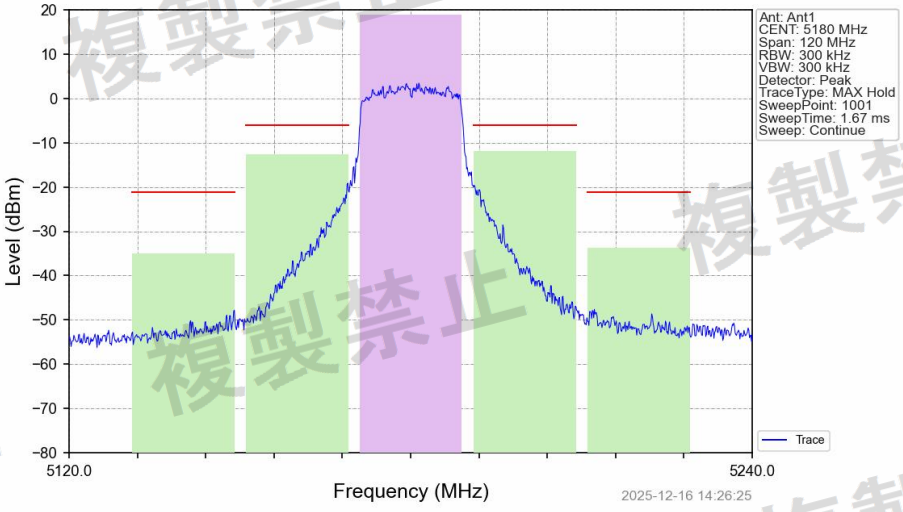
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-31.25	-52.49	-40	12.49	Pass
Adjacent	-20	18.00	-9.84	-31.08	-25	6.08	Pass
Carrier	/	18.00	21.24	/	/	/	/
Adjacent	20	18.00	-8.40	-29.64	-25	4.64	Pass
Alternate	40	18.00	-29.88	-51.12	-40	11.12	Pass

802.11a_HCH_5240MHz_Ant1_NTNV



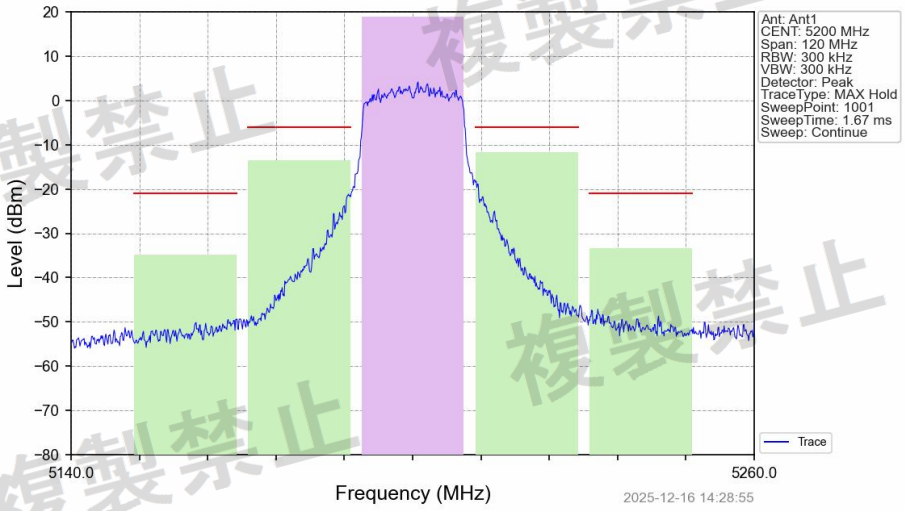
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-33.50	-54.33	-40	14.33	Pass
Adjacent	-20	18.00	-11.62	-32.45	-25	7.45	Pass
Carrier	/	18.00	20.83	/	/	/	/
Adjacent	20	18.00	-10.23	-31.06	-25	6.06	Pass
Alternate	40	18.00	-32.85	-53.68	-40	13.68	Pass

802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



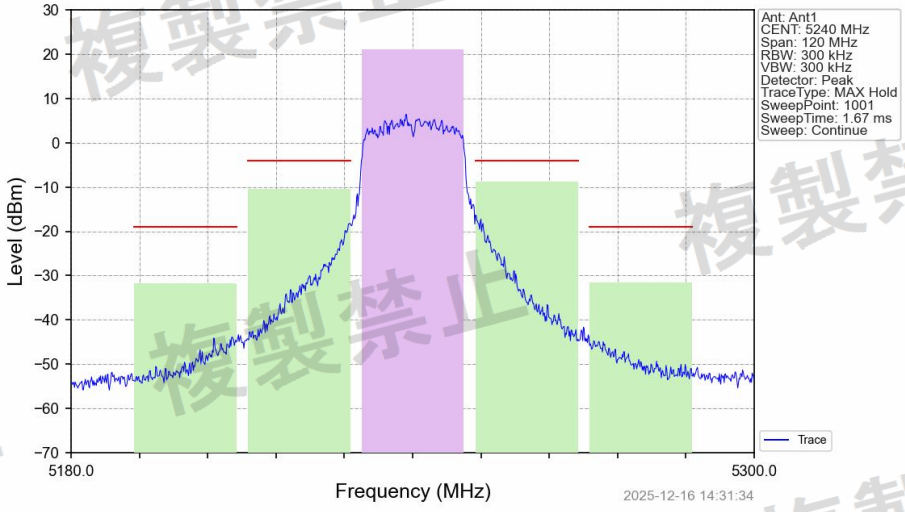
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-34.96	-53.84	-40	13.84	Pass
Adjacent	-20	18.00	-12.66	-31.54	-25	6.54	Pass
Carrier	/	18.00	18.88	/	/	/	/
Adjacent	20	18.00	-11.91	-30.79	-25	5.79	Pass
Alternate	40	18.00	-33.73	-52.61	-40	12.61	Pass

802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



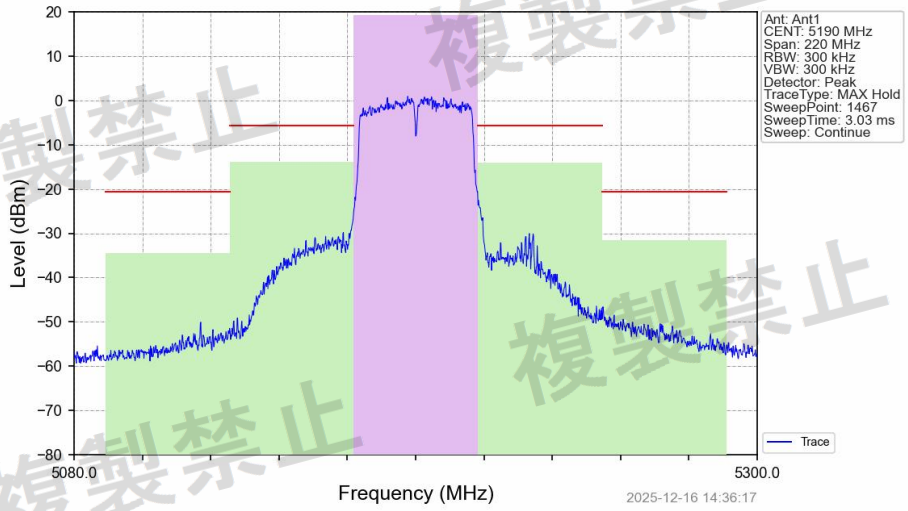
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-34.78	-53.72	-40	13.72	Pass
Adjacent	-20	18.00	-13.52	-32.46	-25	7.46	Pass
Carrier	/	18.00	18.94	/	/	/	/
Adjacent	20	18.00	-11.64	-30.58	-25	5.58	Pass
Alternate	40	18.00	-33.35	-52.29	-40	12.29	Pass

802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



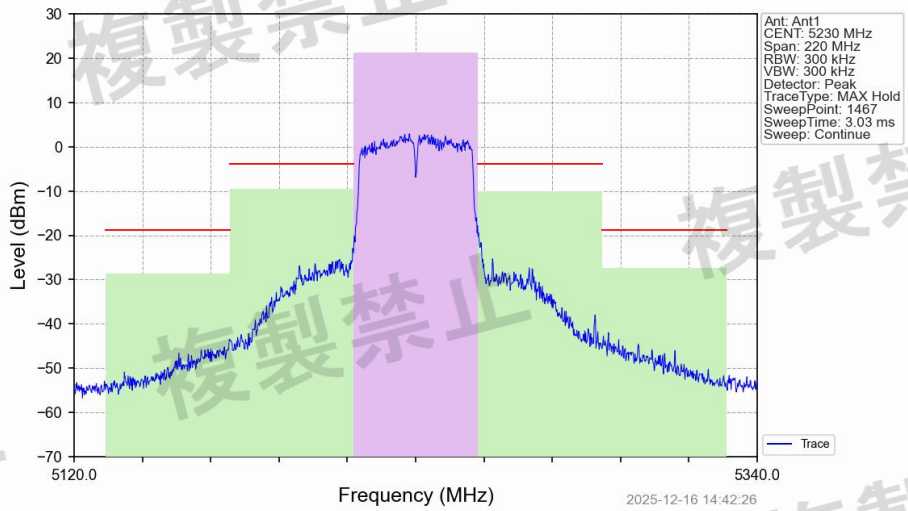
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-31.68	-52.67	-40	12.67	Pass
Adjacent	-20	18.00	-10.36	-31.35	-25	6.35	Pass
Carrier	/	18.00	20.99	/	/	/	/
Adjacent	20	18.00	-8.81	-29.80	-25	4.80	Pass
Alternate	40	18.00	-31.52	-52.51	-40	12.51	Pass

802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



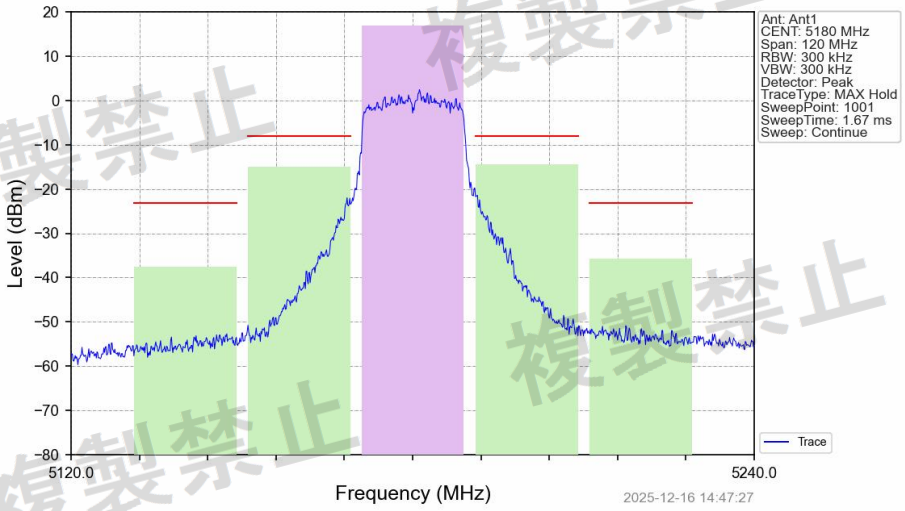
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-80	40.00	-34.55	-53.89	-40	13.89	Pass
Adjacent	-40	40.00	-13.88	-33.22	-25	8.22	Pass
Carrier	/	40.00	19.34	/	/	/	/
Adjacent	40	40.00	-14.01	-33.35	-25	8.35	Pass
Alternate	80	40.00	-31.50	-50.84	-40	10.84	Pass

802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



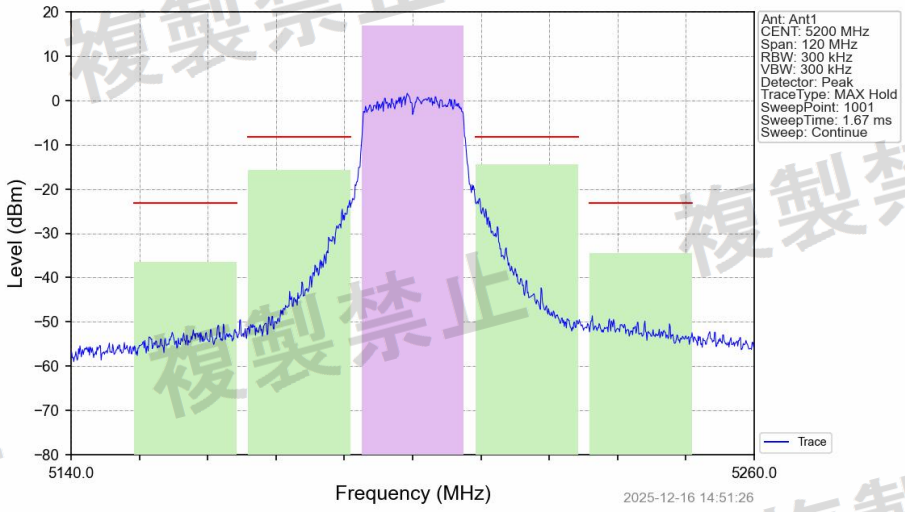
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-80	40.00	-28.64	-49.85	-40	9.85	Pass
Adjacent	-40	40.00	-9.57	-30.78	-25	5.78	Pass
Carrier	/	40.00	21.21	/	/	/	/
Adjacent	40	40.00	-10.02	-31.23	-25	6.23	Pass
Alternate	80	40.00	-27.33	-48.54	-40	8.54	Pass

802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



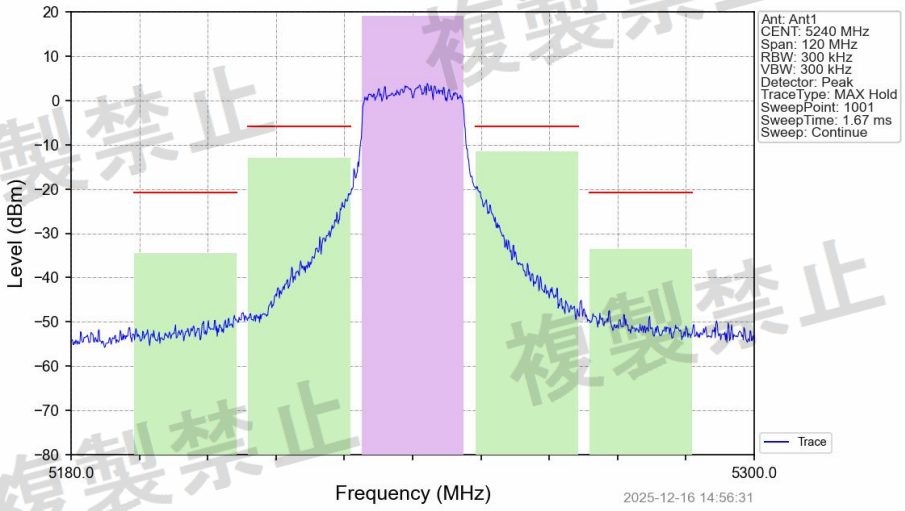
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-37.60	-54.49	-40	14.49	Pass
Adjacent	-20	18.00	-15.03	-31.92	-25	6.92	Pass
Carrier	/	18.00	16.89	/	/	/	/
Adjacent	20	18.00	-14.34	-31.23	-25	6.23	Pass
Alternate	40	18.00	-35.78	-52.67	-40	12.67	Pass

802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



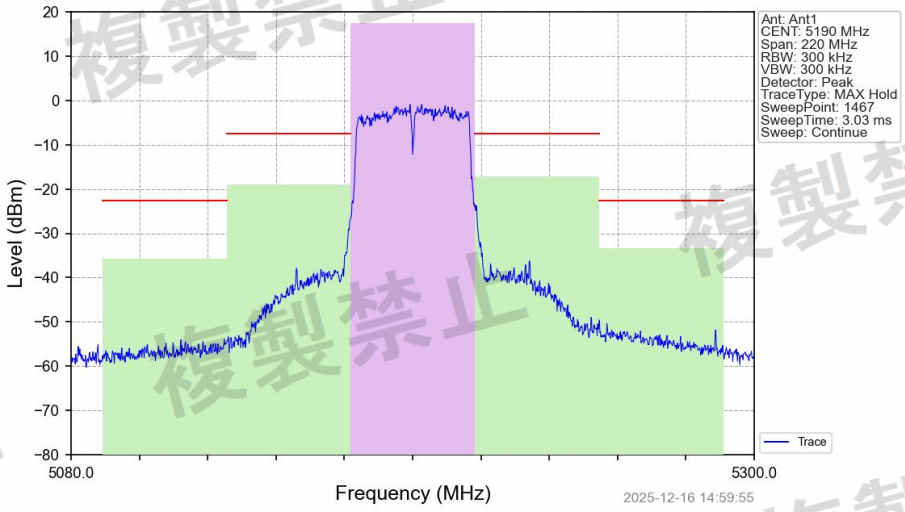
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-36.39	-53.21	-40	13.21	Pass
Adjacent	-20	18.00	-15.67	-32.49	-25	7.49	Pass
Carrier	/	18.00	16.82	/	/	/	/
Adjacent	20	18.00	-14.34	-31.16	-25	6.16	Pass
Alternate	40	18.00	-34.54	-51.36	-40	11.36	Pass

802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



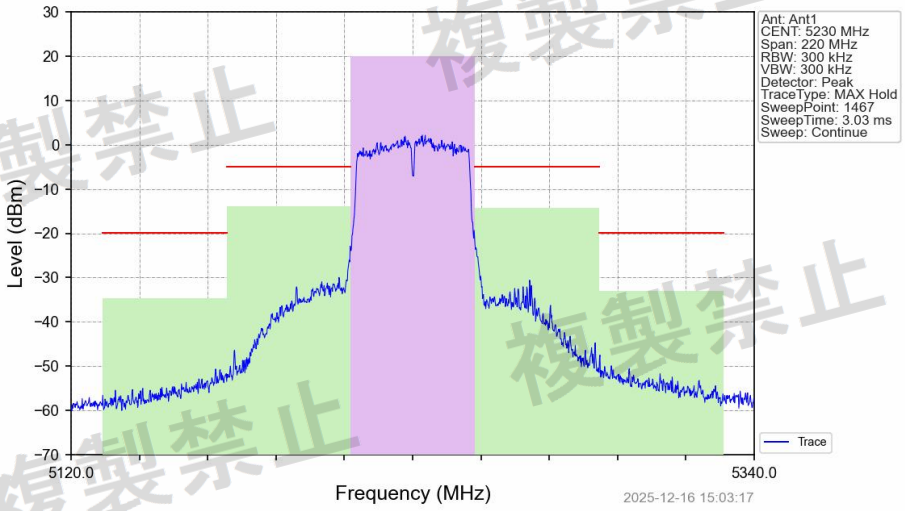
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-34.54	-53.71	-40	13.71	Pass
Adjacent	-20	18.00	-13.02	-32.19	-25	7.19	Pass
Carrier	/	18.00	19.17	/	/	/	/
Adjacent	20	18.00	-11.50	-30.67	-25	5.67	Pass
Alternate	40	18.00	-33.49	-52.66	-40	12.66	Pass

802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



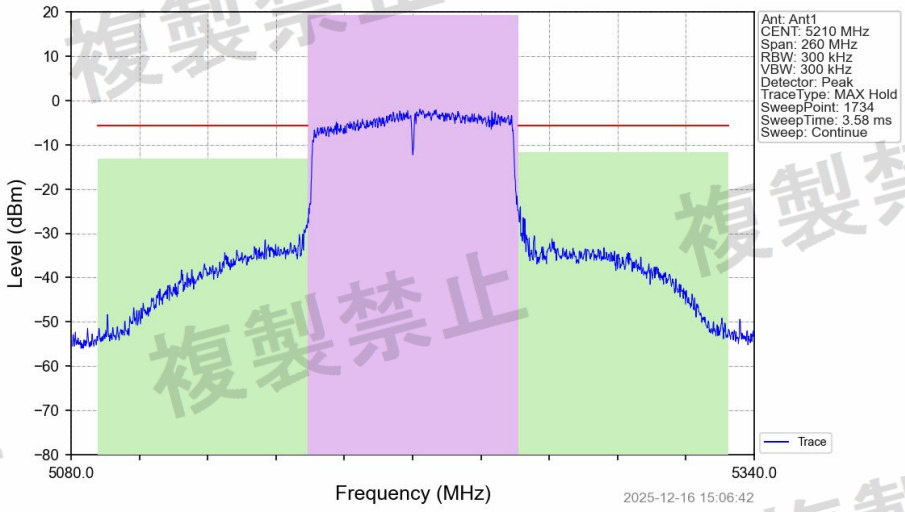
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-80	40.00	-35.78	-53.21	-40	13.21	Pass
Adjacent	-40	40.00	-19.04	-36.47	-25	11.47	Pass
Carrier	/	40.00	17.43	/	/	/	/
Adjacent	40	40.00	-17.18	-34.61	-25	9.61	Pass
Alternate	80	40.00	-33.30	-50.73	-40	10.73	Pass

802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-80	40.00	-34.65	-54.67	-40	14.67	Pass
Adjacent	-40	40.00	-13.88	-33.90	-25	8.90	Pass
Carrier	/	40.00	20.02	/	/	/	/
Adjacent	40	40.00	-14.24	-34.26	-25	9.26	Pass
Alternate	80	40.00	-33.00	-53.02	-40	13.02	Pass

802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Adjacent	-80	80.00	-13.15	-32.41	-25	7.41	Pass
Carrier	/	80.00	19.26	/	/	/	/
Adjacent	80	80.00	-11.75	-31.01	-25	6.01	Pass

5. Out Of Bands Leakage Power

5.1 Test Result

5.1.1 OOB_NTNV_SISO

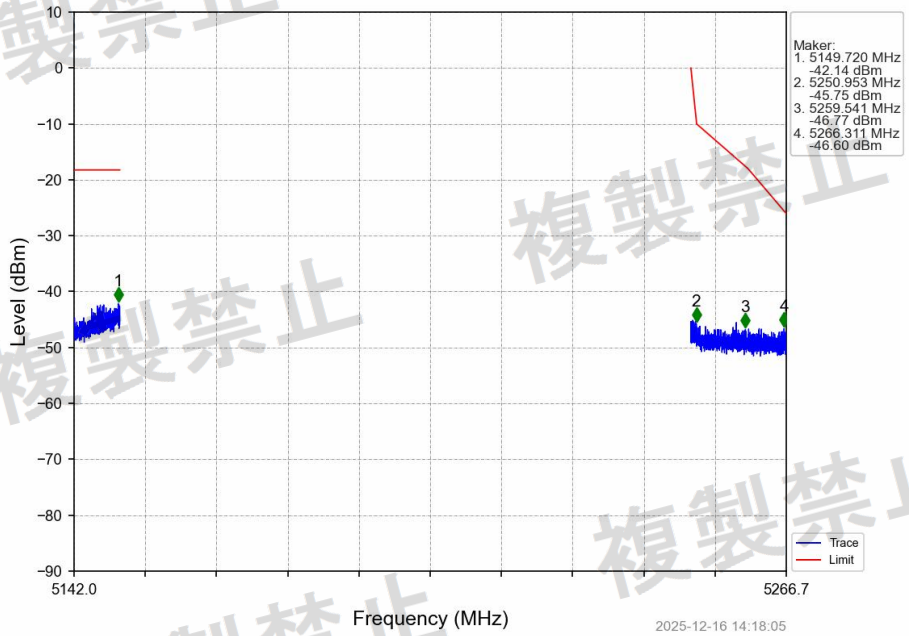
NTNV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK EIRP (dBm /MHz)	PK EIRP (uW /MHz)	AV EIRP (dBm /MHz)	AV EIRP (uW /MHz)		
802.11a	SISO	5180	1	5142	5150	5149.72	-41.24	0.075	/	/	15	Pass
				5250	5251	5250.953	-44.85	0.033	/	/	111.429	Pass
				5251	5260	5259.541	-45.87	0.026	/	/	17.41	Pass
				5260	5266.7	5266.311	-45.70	0.027	/	/	2.771	Pass
		5200	1	5142	5150	5142.272	-45.11	0.031	/	/	15	Pass
				5250	5251	5250.985	-42.67	0.054	/	/	103.514	Pass
				5251	5260	5258.884	-44.57	0.035	/	/	19.916	Pass
				5260	5266.7	5266.66	-44.63	0.034	/	/	2.517	Pass
		5240	1	5142	5150	5144.504	-46.31	0.023	/	/	15	Pass
				5250	5251	5250.975	-7.73	168.655	-21.10	7.762	105.925	Pass
				5251	5260	5251.207	-8.31	147.571	-21.42	7.211	95.852	Pass
				5260	5266.7	5261.923	-27.05	1.972	/	/	9.316	Pass
802.11n (HT20)	SISO	5180	1	5142	5150	5148.84	-42.99	0.050	/	/	15	Pass
				5250	5251	5250.997	-45.60	0.028	/	/	100.693	Pass
				5251	5260	5258.641	-45.32	0.029	/	/	20.931	Pass
				5260	5266.7	5266.017	-46.03	0.025	/	/	3.006	Pass
		5200	1	5142	5150	5143.464	-44.27	0.037	/	/	15	Pass
				5250	5251	5250.936	-43.27	0.047	/	/	115.878	Pass
				5251	5260	5260	-45.25	0.030	/	/	15.849	Pass
				5260	5266.7	5266.512	-44.37	0.037	/	/	2.622	Pass
		5240	1	5142	5150	5149.872	-46.12	0.024	/	/	15	Pass
				5250	5251	5250.899	-5.41	287.740	-19.42	11.429	126.183	Pass
				5251	5260	5251.522	-7.95	160.325	-21.19	7.603	89.867	Pass
				5260	5266.7	5262.586	-27.00	1.995	/	/	7.757	Pass
802.11n (HT40)	SISO	5190	1	5141.6	5150	5146.825	-26.69	2.143	/	/	15	Pass
				5250	5251	5250.993	-35.55	0.279	/	/	50.812	Pass
				5251	5270	5269.601	-43.81	0.042	/	/	8.237	Pass
				5270	5278.4	5277.829	-46.04	0.025	/	/	2.687	Pass
		5230	1	5141.6	5150	5149.093	-42.32	0.059	/	/	15	Pass
				5250	5251	5250.976	-12.96	50.582	/	/	52.841	Pass
				5251	5270	5268.043	-18.32	14.723	-34.11	0.388	9.58	Pass
				5270	5278.4	5275.326	-23.99	3.990	-38.44	0.143	3.797	Pass
802.11ac (VHT20)	SISO	5180	1	5142	5150	5148.6	-45.09	0.031	/	/	15	Pass
				5250	5251	5250.98	-47.71	0.017	/	/	104.713	Pass
				5251	5260	5259.964	-49.43	0.011	/	/	15.966	Pass
				5260	5266.7	5266.633	-49.84	0.010	/	/	2.535	Pass
		5200	1	5142	5150	5143.824	-47.59	0.017	/	/	15	Pass
				5250	5251	5250.978	-45.08	0.031	/	/	105.196	Pass
				5251	5260	5259.928	-46.53	0.022	/	/	16.084	Pass

				5260	5266.7	5266.01	-46.08	0.025	/	/	3.012	Pass
		5240	1	5142	5150	5145.832	-46.79	0.021	/	/	15	Pass
				5250	5251	5250.896	-6.11	244.906	-21.29	7.430	127.057	Pass
				5251	5260	5251.432	-10.08	98.175	-22.71	5.358	91.538	Pass
				5260	5266.7	5264.476	-32.60	0.550	/	/	4.601	Pass
802.11ac (VHT40)	SISO	5190	1	5141.6	5150	5148.656	-34.20	0.380	/	/	15	Pass
				5250	5251	5250.996	-44.14	0.039	/	/	50.463	Pass
				5251	5270	5268.385	-45.26	0.030	/	/	9.268	Pass
				5270	5278.4	5278.274	-46.33	0.023	/	/	2.527	Pass
		5230	1	5141.6	5150	5148.194	-47.80	0.017	/	/	15	Pass
				5250	5251	5250.984	-14.32	36.983	/	/	51.876	Pass
				5251	5270	5267.967	-20.83	8.260	/	/	9.651	Pass
				5270	5278.4	5270.084	-25.26	2.979	/	/	7.833	Pass
802.11ac (VHT80)	SISO	5210	1	5123.2	5150	5149.196	-26.38	2.301	/	/	15	Pass
				5250	5251	5250.998	-13.21	47.753	-30.76	0.839	25.115	Pass
				5251	5290	5251.156	-13.50	44.668	-31.10	0.776	24.816	Pass
				5290	5296.7	5291.648	-25.55	2.786	/	/	3.536	Pass

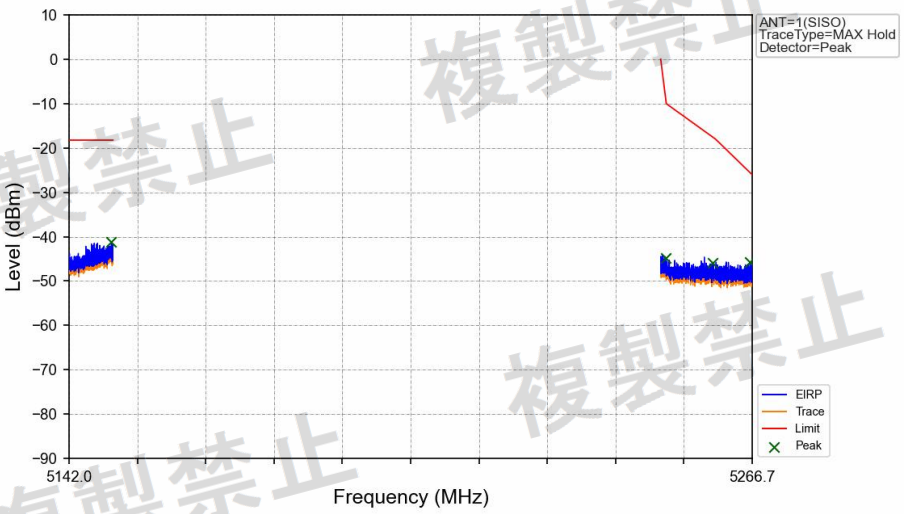
5.2 Test Graph

5.2.1 OOB_NTNV_SISO

802.11a_LCH_5180MHz_Ant1_NTNV

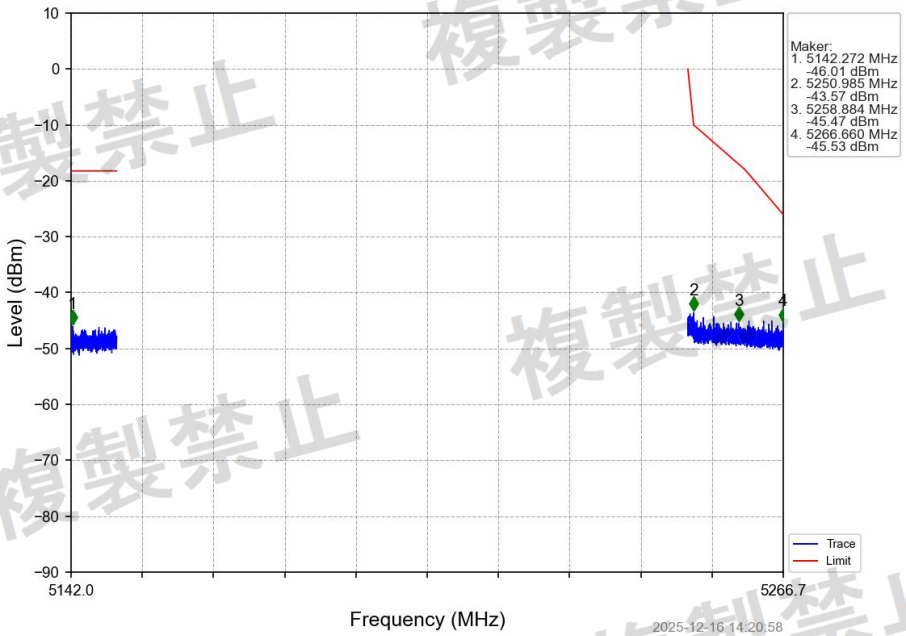


802.11a_LCH_5180MHz_Ant1_NTNV

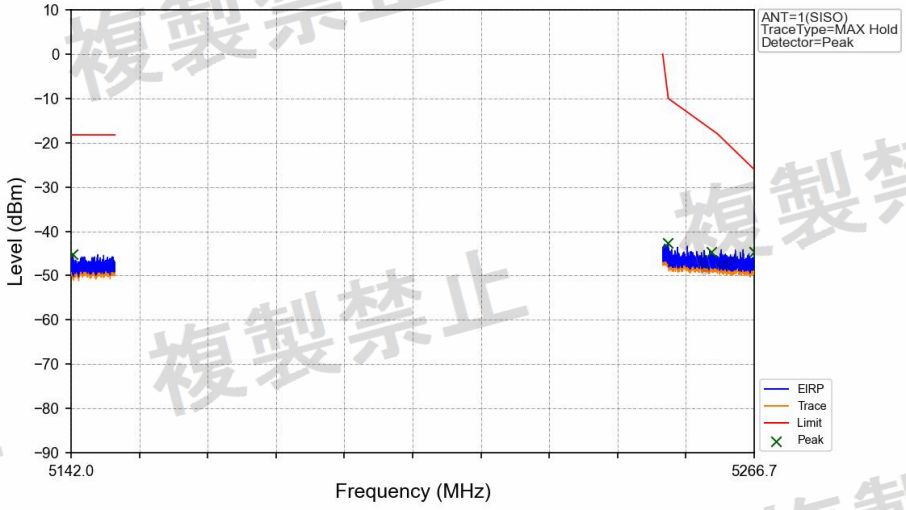


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5149.720	-42.14	/	0.90	-41.24	/	-18.24	Pass
5250	5251	1	1	5250.953	-45.75	/	0.90	-44.85	/	-9.53	Pass
5251	5260	1	1	5259.541	-46.77	/	0.90	-45.87	/	-17.59	Pass
5260	5266.7	1	1	5266.311	-46.60	/	0.90	-45.70	/	-25.57	Pass

802.11a_MCH_5200MHz_Ant1_NTNV

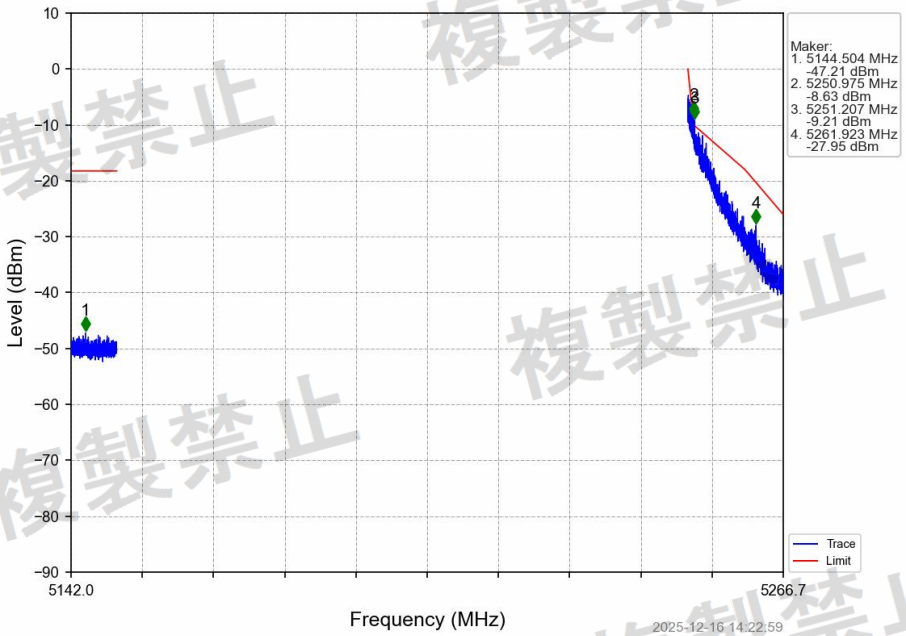


802.11a_MCH_5200MHz_Ant1_NTNV

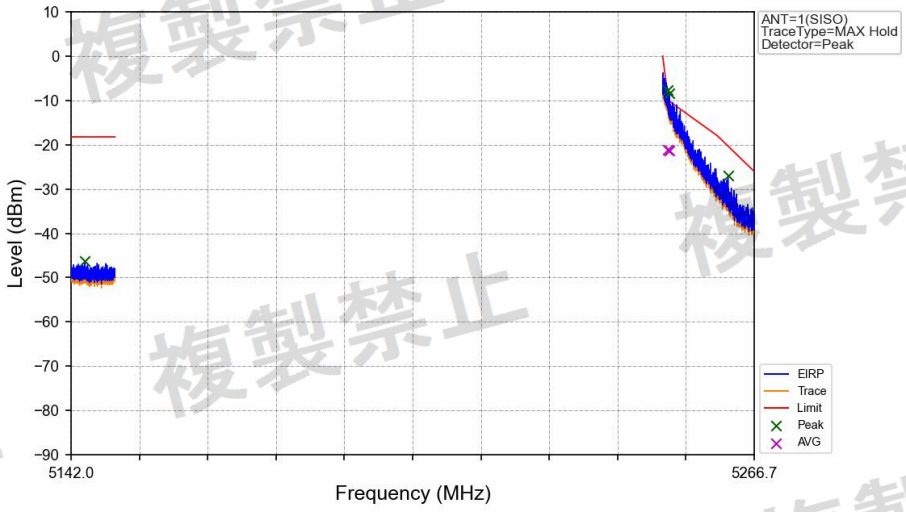


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5142.272	-46.01	/	0.90	-45.11	/	-18.24	Pass
5250	5251	1	1	5250.985	-43.57	/	0.90	-42.67	/	-9.85	Pass
5251	5260	1	1	5258.884	-45.47	/	0.90	-44.57	/	-17.01	Pass
5260	5266.7	1	1	5266.660	-45.53	/	0.90	-44.63	/	-25.99	Pass

802.11a_HCH_5240MHz_Ant1_NTNV

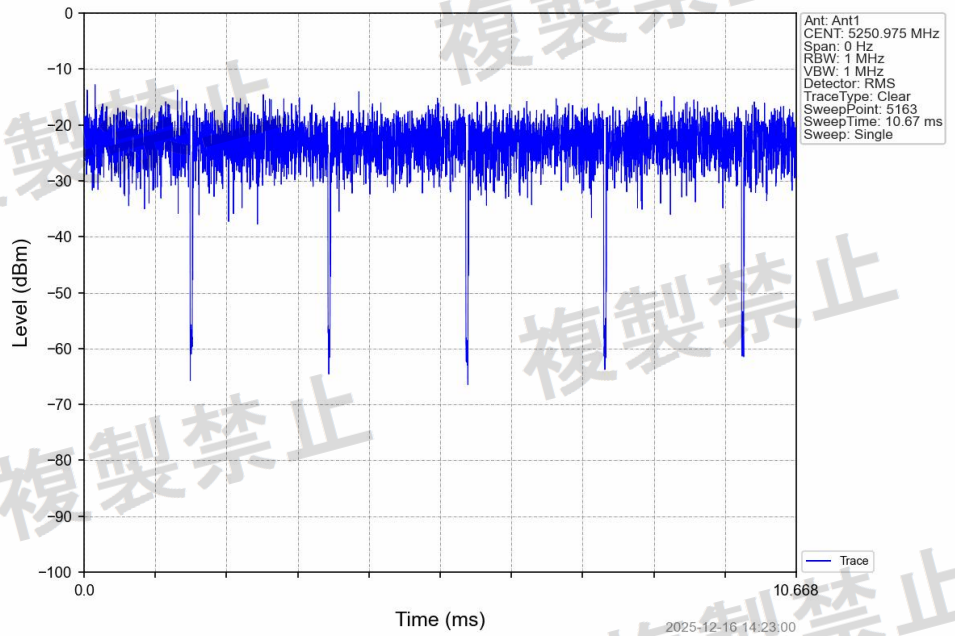


802.11a_HCH_5240MHz_Ant1_NTNV

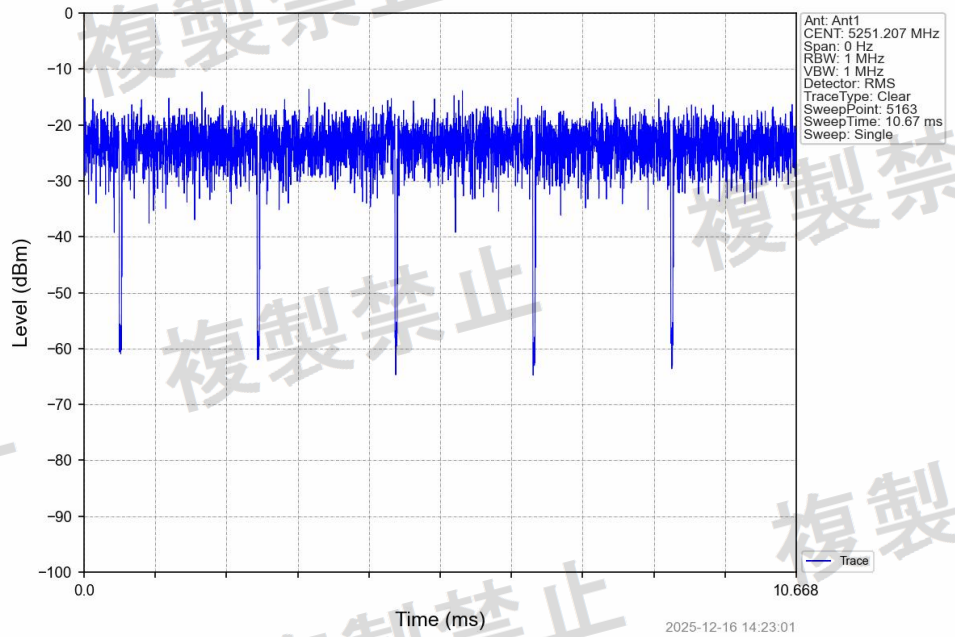


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5144.504	-47.21	/	0.90	-46.31	/	-18.24	Pass
5250	5251	1	1	5250.975	-8.63	-22.00	0.90	-7.73	-21.10	-9.75	Pass
5251	5260	1	1	5251.207	-9.21	-22.32	0.90	-8.31	-21.42	-10.18	Pass
5260	5266.7	1	1	5261.923	-27.95	/	0.90	-27.05	/	-20.31	Pass

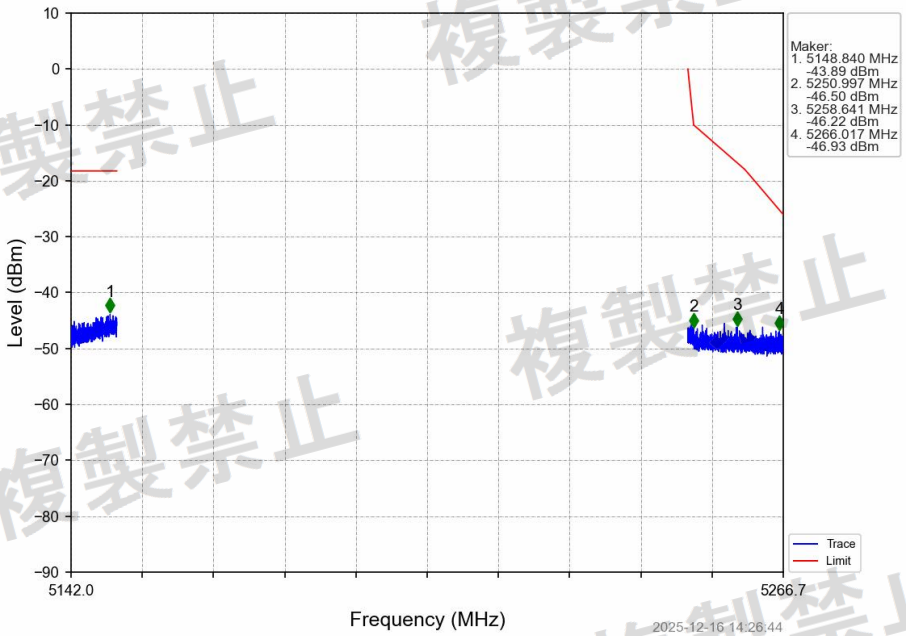
802.11a_HCH_5240MHz_Ant1_NTNV



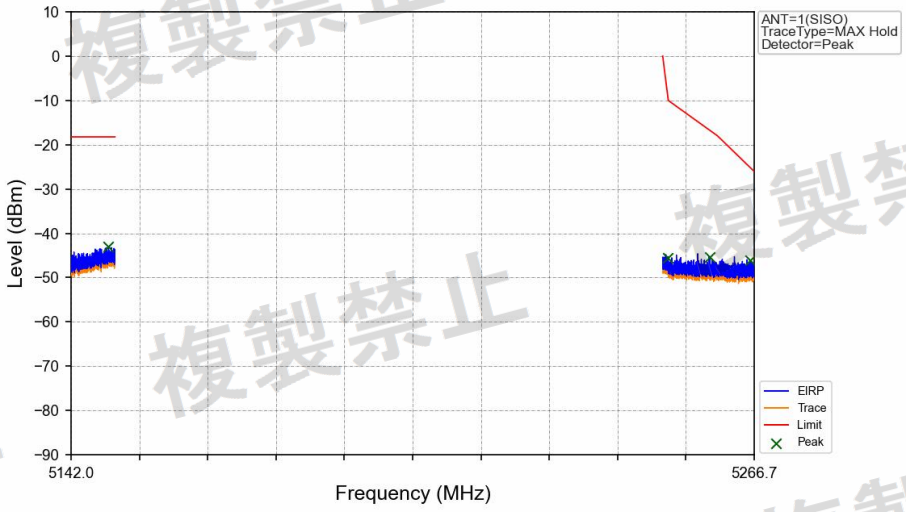
802.11a_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

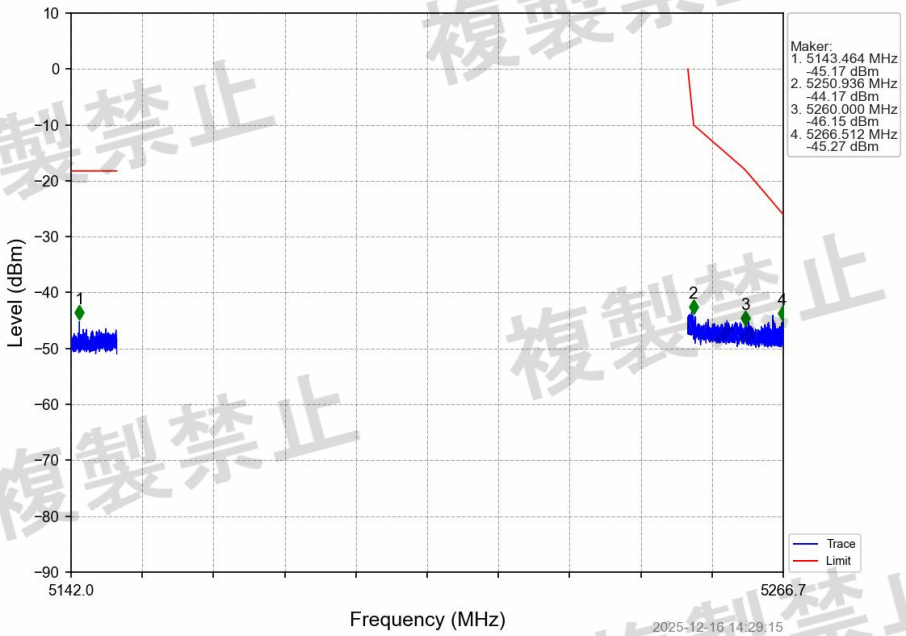


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

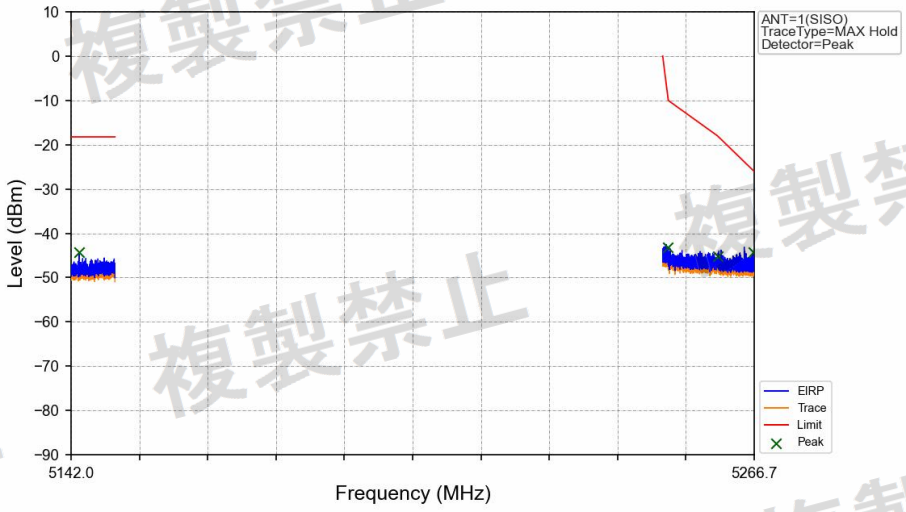


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5148.840	-43.89	/	0.90	-42.99	/	-18.24	Pass
5250	5251	1	1	5250.997	-46.50	/	0.90	-45.60	/	-9.97	Pass
5251	5260	1	1	5258.641	-46.22	/	0.90	-45.32	/	-16.79	Pass
5260	5266.7	1	1	5266.017	-46.93	/	0.90	-46.03	/	-25.22	Pass

802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

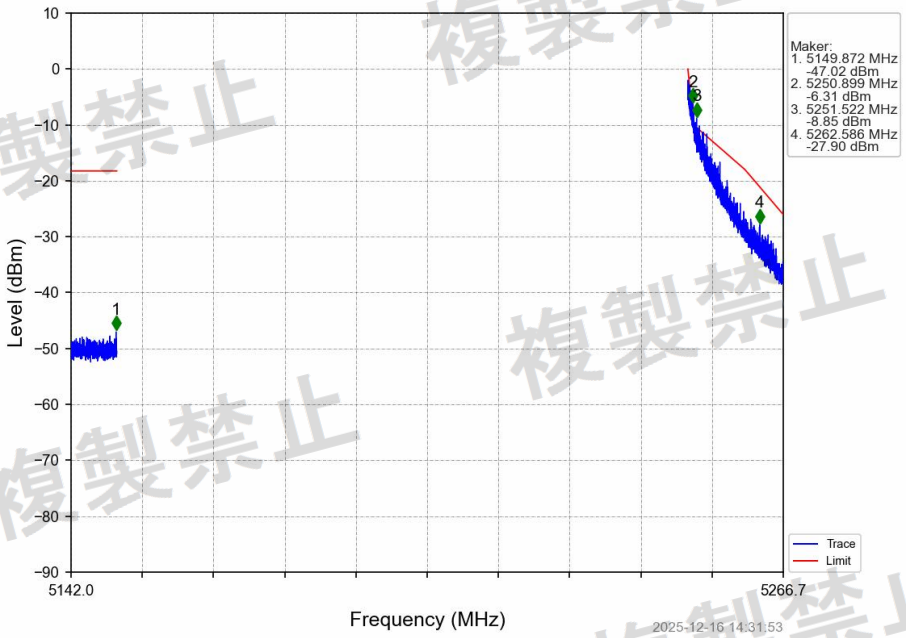


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

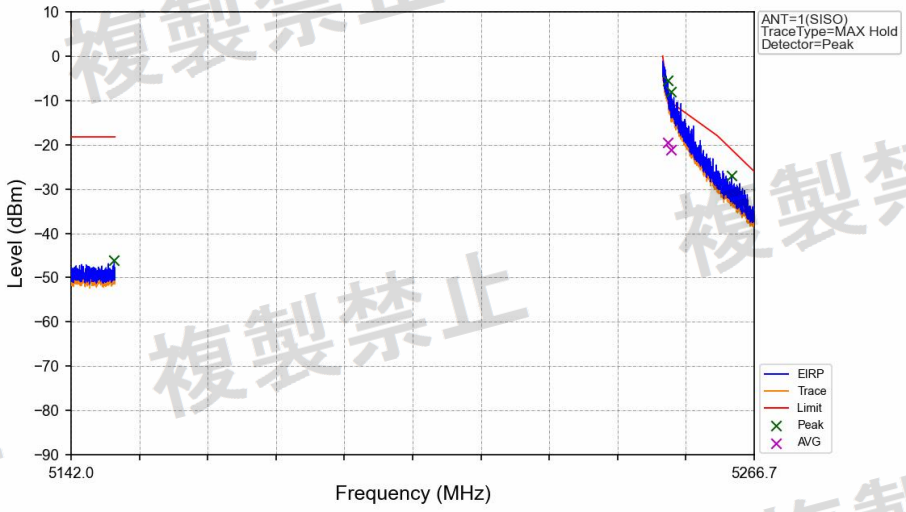


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5143.464	-45.17	/	0.90	-44.27	/	-18.24	Pass
5250	5251	1	1	5250.936	-44.17	/	0.90	-43.27	/	-9.36	Pass
5251	5260	1	1	5260.000	-46.15	/	0.90	-45.25	/	-18	Pass
5260	5266.7	1	1	5266.512	-45.27	/	0.90	-44.37	/	-25.81	Pass

802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

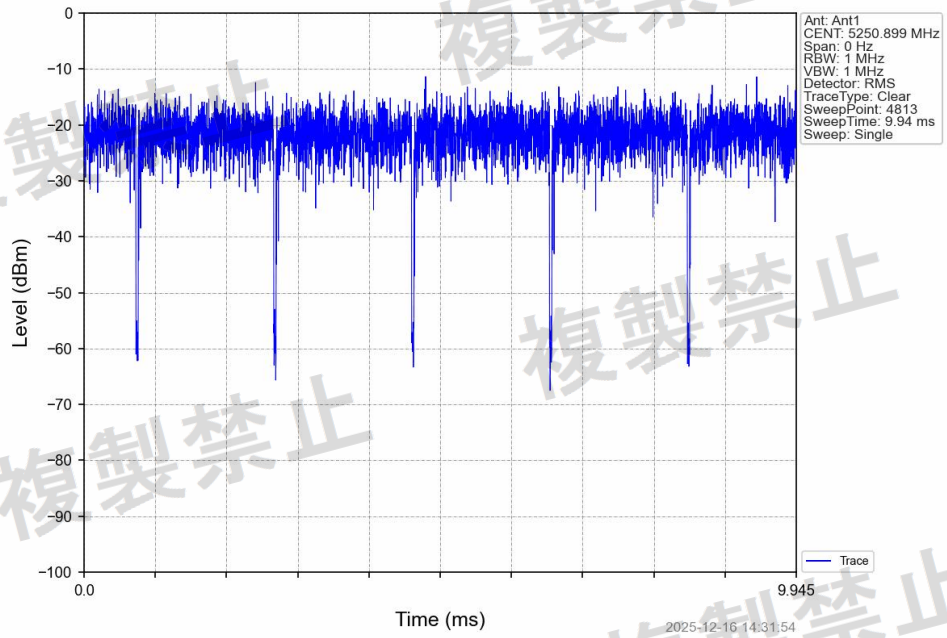


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

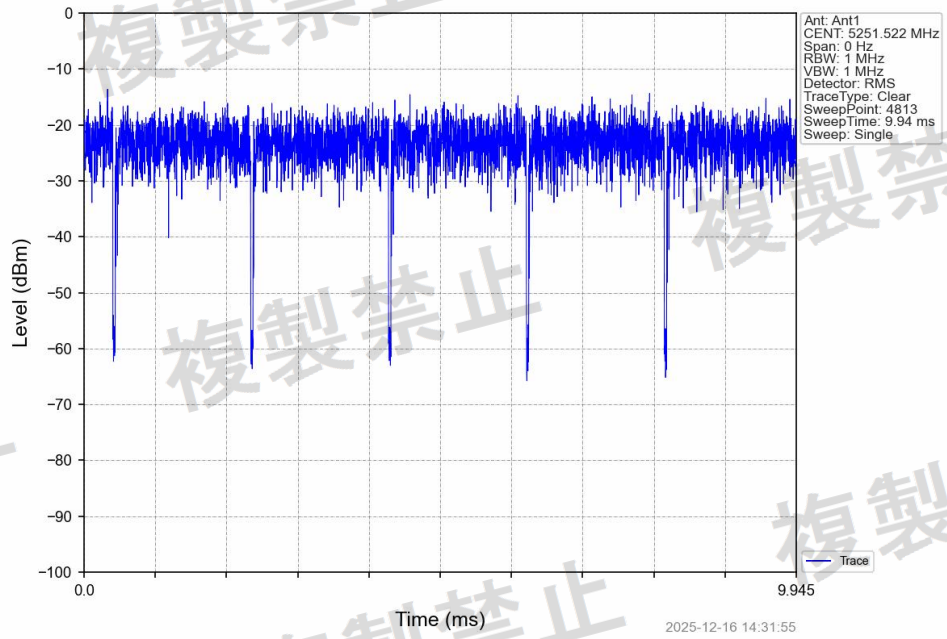


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5149.872	-47.02	/	0.90	-46.12	/	-18.24	Pass
5250	5251	1	1	5250.899	-6.31	-20.32	0.90	-5.41	-19.42	-8.99	Pass
5251	5260	1	1	5251.522	-8.85	-22.09	0.90	-7.95	-21.19	-10.46	Pass
5260	5266.7	1	1	5262.586	-27.90	/	0.90	-27.00	/	-21.1	Pass

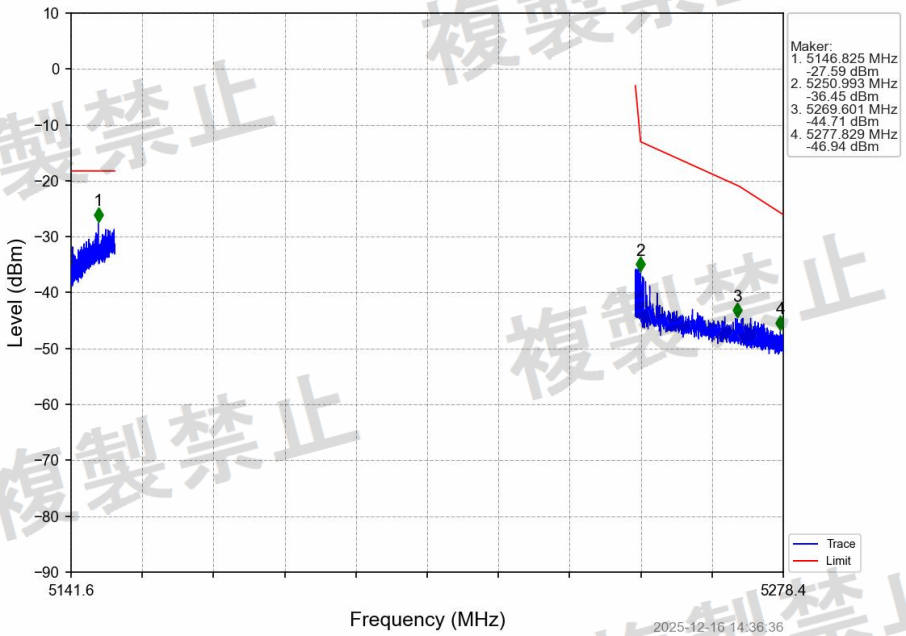
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



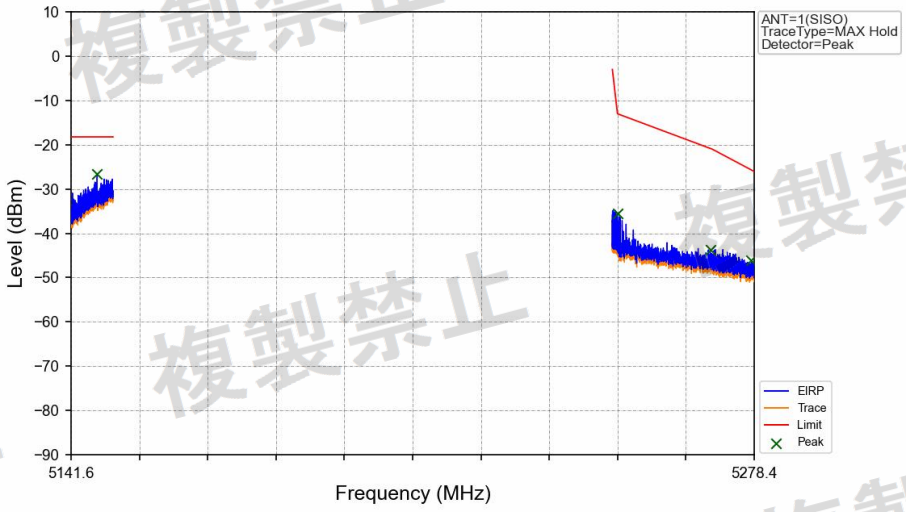
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

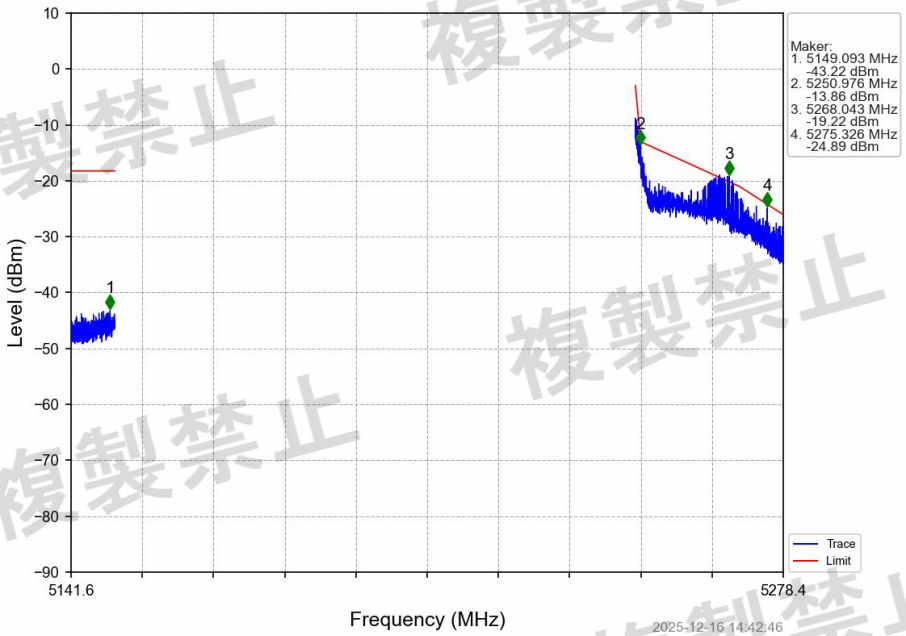


802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

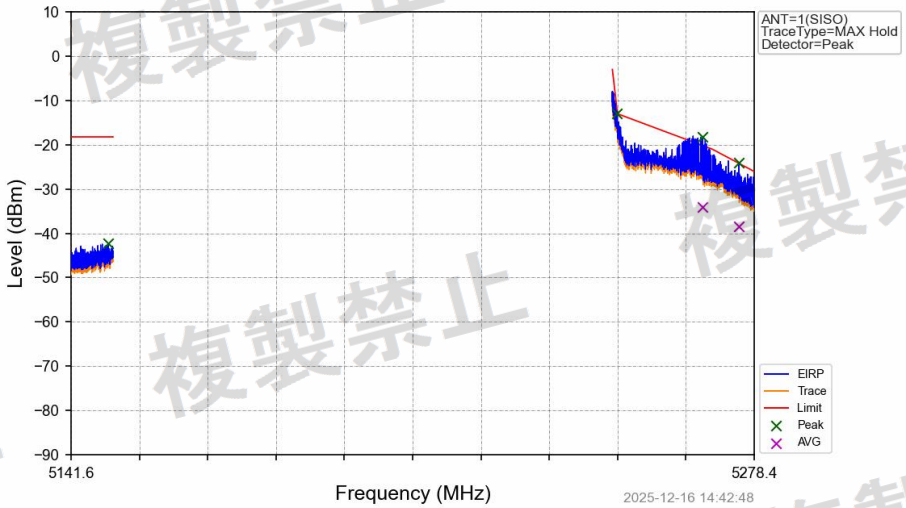


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5141.6	5150	1	1	5146.825	-27.59	/	0.90	-26.69	/	-18.24	Pass
5250	5251	1	1	5250.993	-36.45	/	0.90	-35.55	/	-12.94	Pass
5251	5270	1	1	5269.601	-44.71	/	0.90	-43.81	/	-20.84	Pass
5270	5278.4	1	1	5277.829	-46.94	/	0.90	-46.04	/	-25.71	Pass

802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

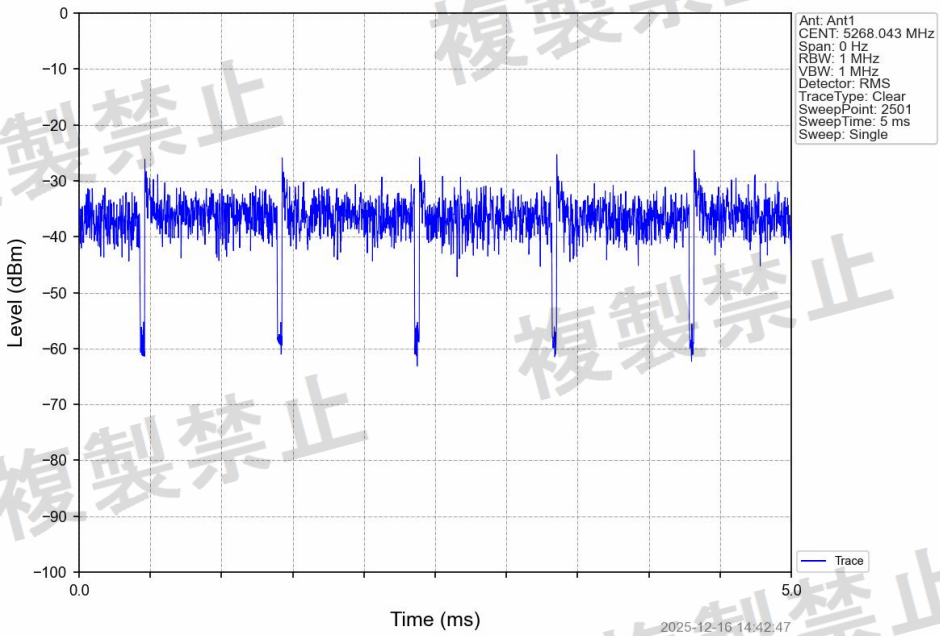


802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

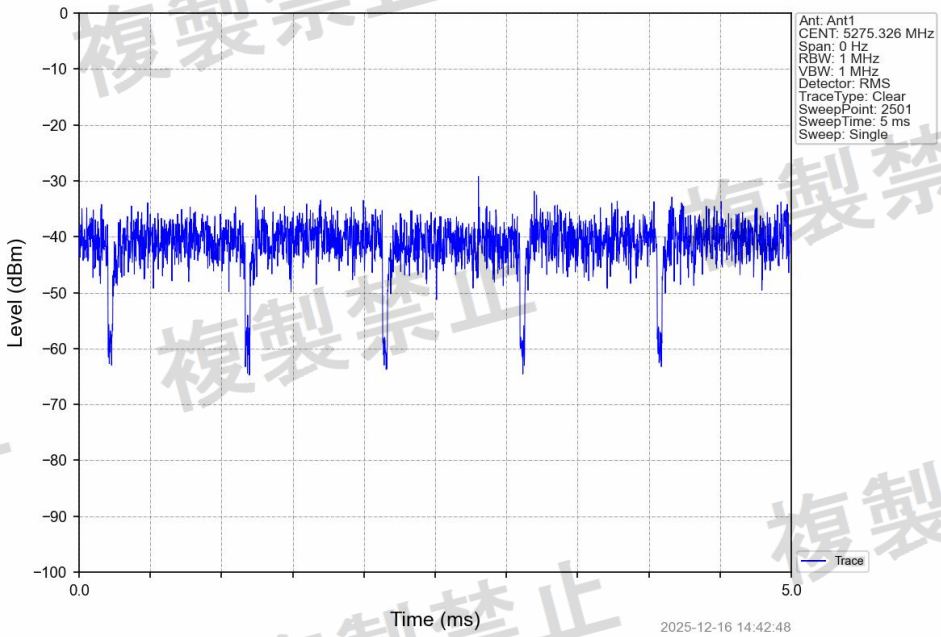


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5141.6	5150	1	1	5149.093	-43.22	/	0.90	-42.32	/	-18.24	Pass
5250	5251	1	1	5250.976	-13.86	/	0.90	-12.96	/	-12.77	Pass
5251	5270	1	1	5268.043	-19.22	-35.01	0.90	-18.32	-34.11	-20.19	Pass
5270	5278.4	1	1	5275.326	-24.89	-39.34	0.90	-23.99	-38.44	-24.21	Pass

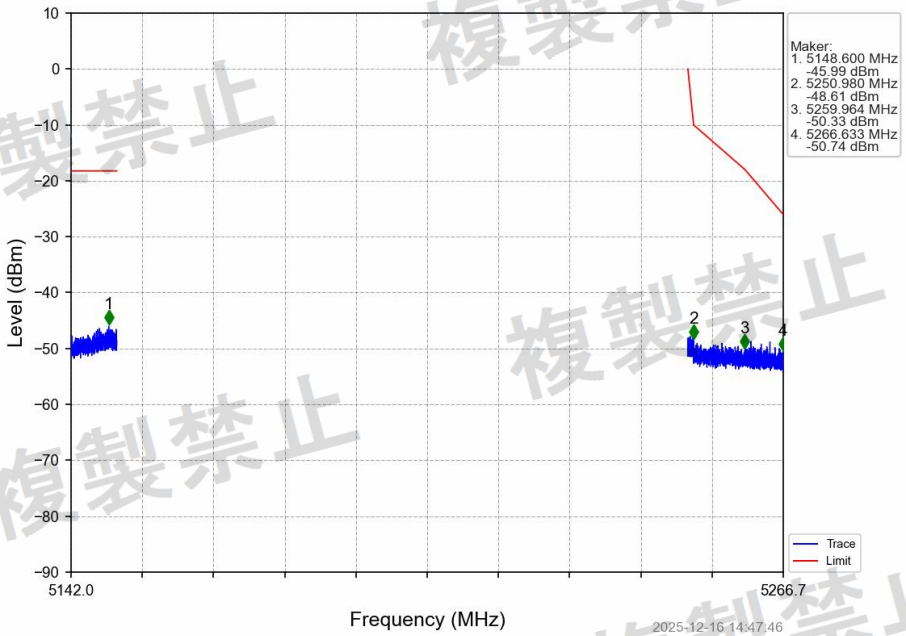
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



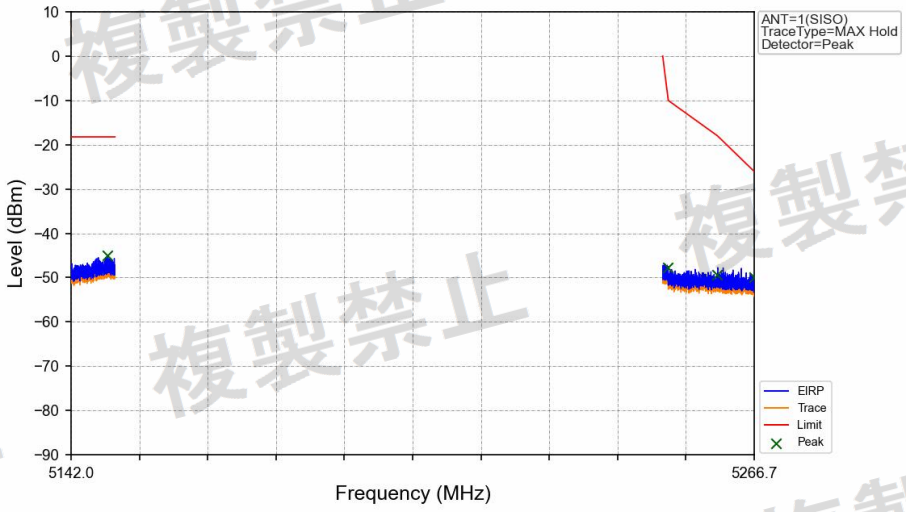
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

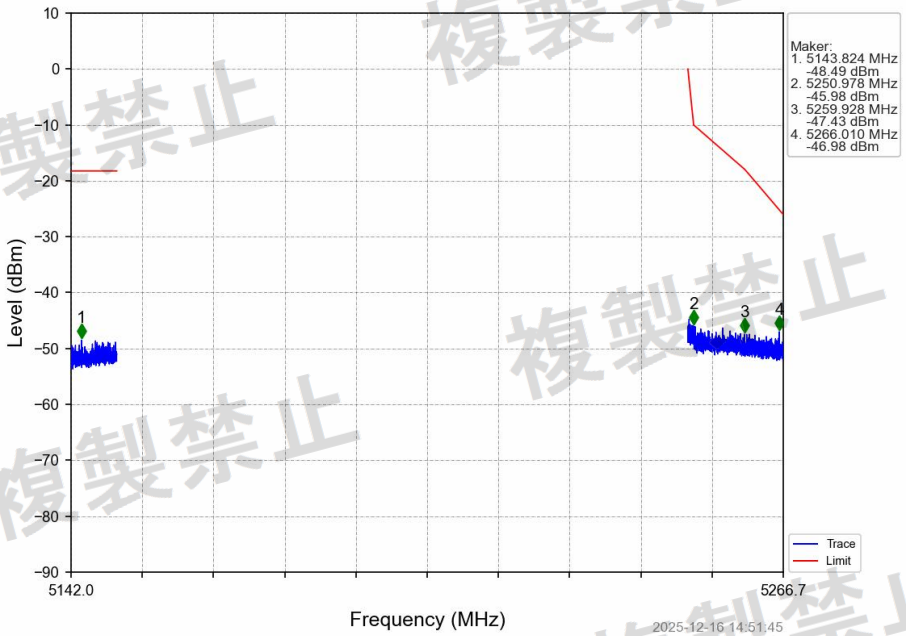


802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

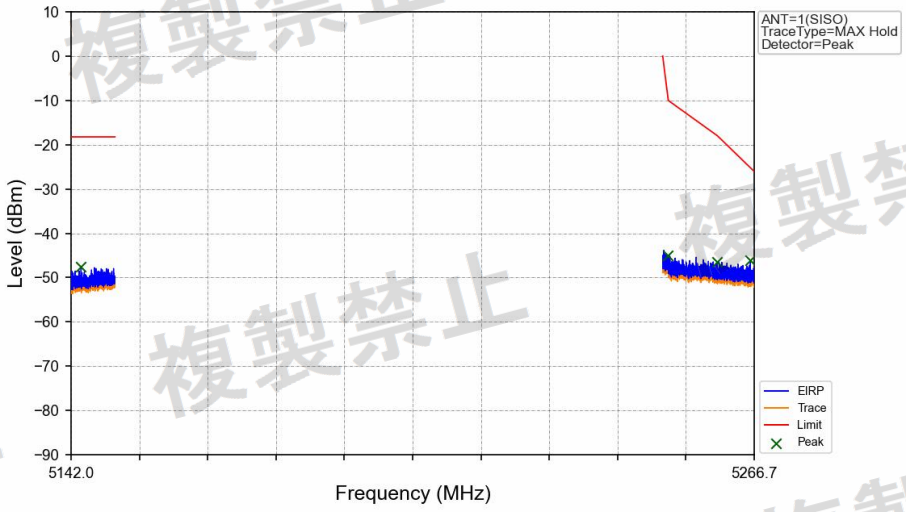


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5148.600	-45.99	/	0.90	-45.09	/	-18.24	Pass
5250	5251	1	1	5250.980	-48.61	/	0.90	-47.71	/	-9.8	Pass
5251	5260	1	1	5259.964	-50.33	/	0.90	-49.43	/	-17.97	Pass
5260	5266.7	1	1	5266.633	-50.74	/	0.90	-49.84	/	-25.96	Pass

802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

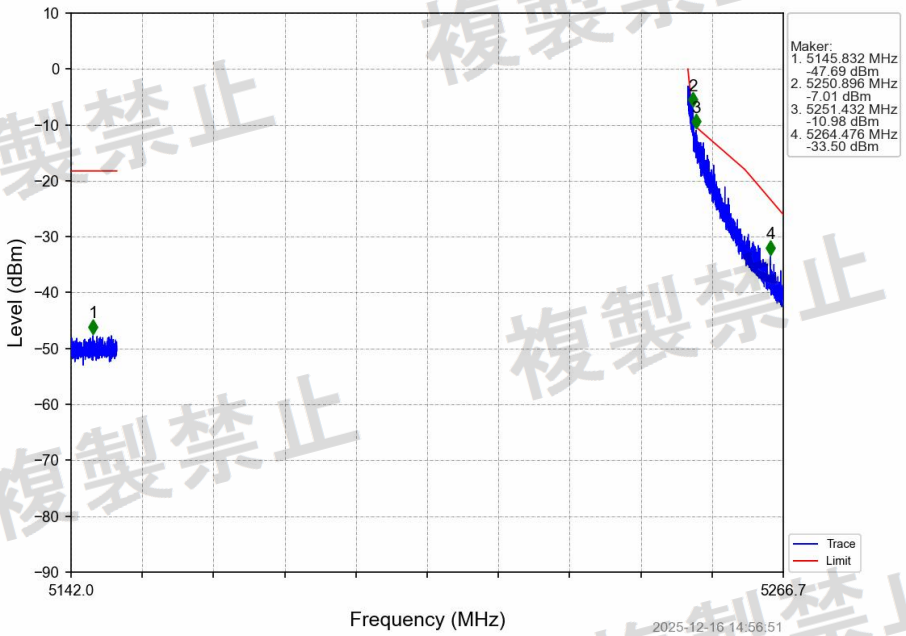


802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

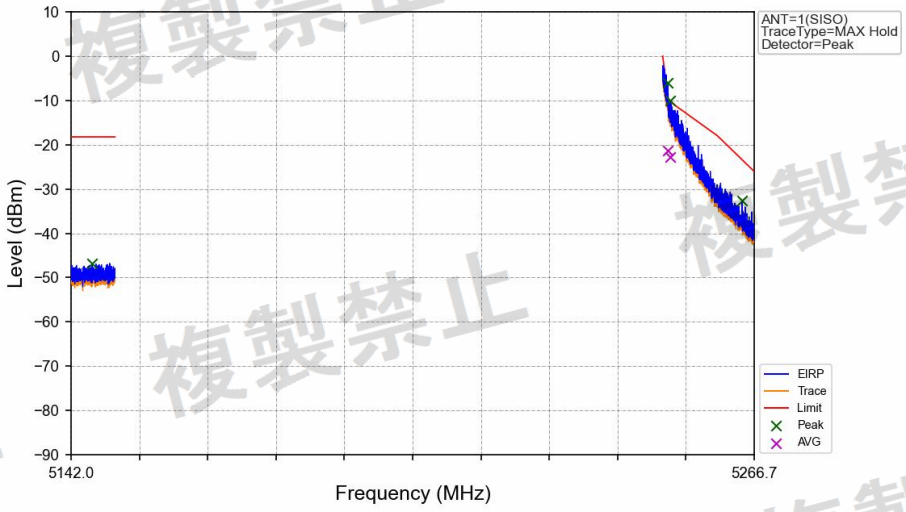


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5143.824	-48.49	/	0.90	-47.59	/	-18.24	Pass
5250	5251	1	1	5250.978	-45.98	/	0.90	-45.08	/	-9.78	Pass
5251	5260	1	1	5259.928	-47.43	/	0.90	-46.53	/	-17.94	Pass
5260	5266.7	1	1	5266.010	-46.98	/	0.90	-46.08	/	-25.21	Pass

802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV

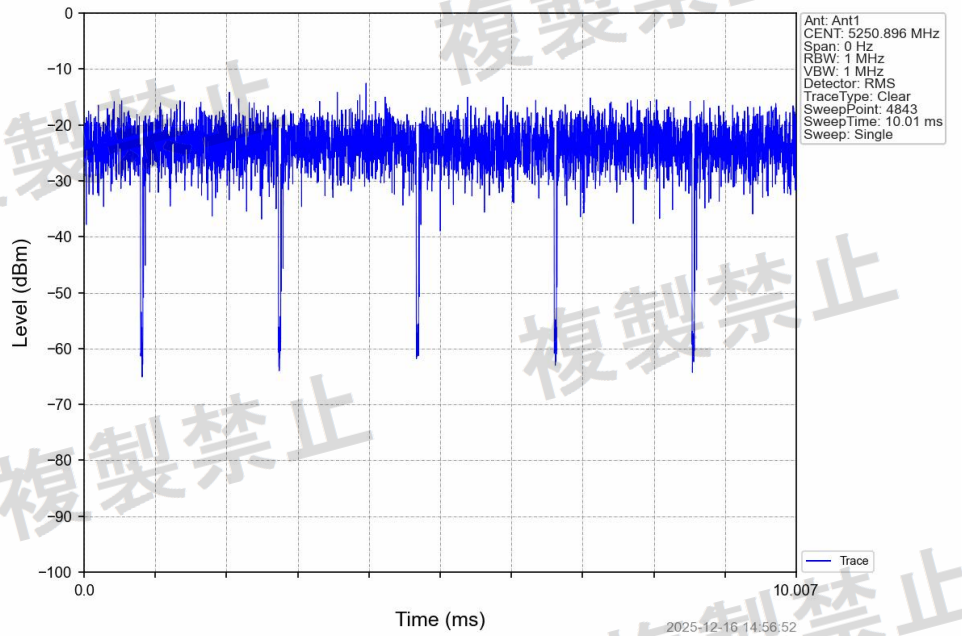


802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV

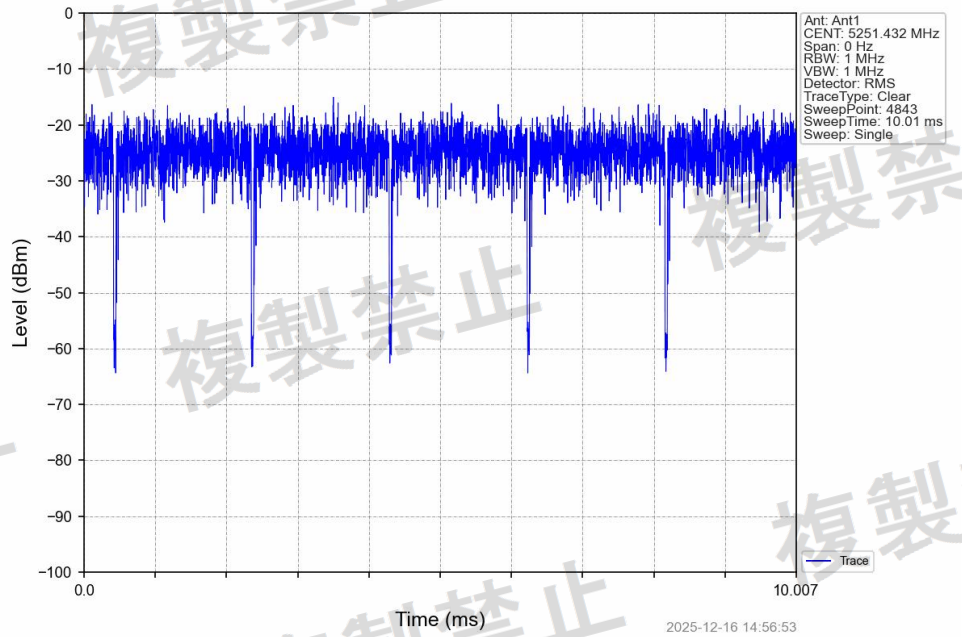


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5145.832	-47.69	/	0.90	-46.79	/	-18.24	Pass
5250	5251	1	1	5250.896	-7.01	-22.19	0.90	-6.11	-21.29	-8.96	Pass
5251	5260	1	1	5251.432	-10.98	-23.61	0.90	-10.08	-22.71	-10.38	Pass
5260	5266.7	1	1	5264.476	-33.50	/	0.90	-32.60	/	-23.37	Pass

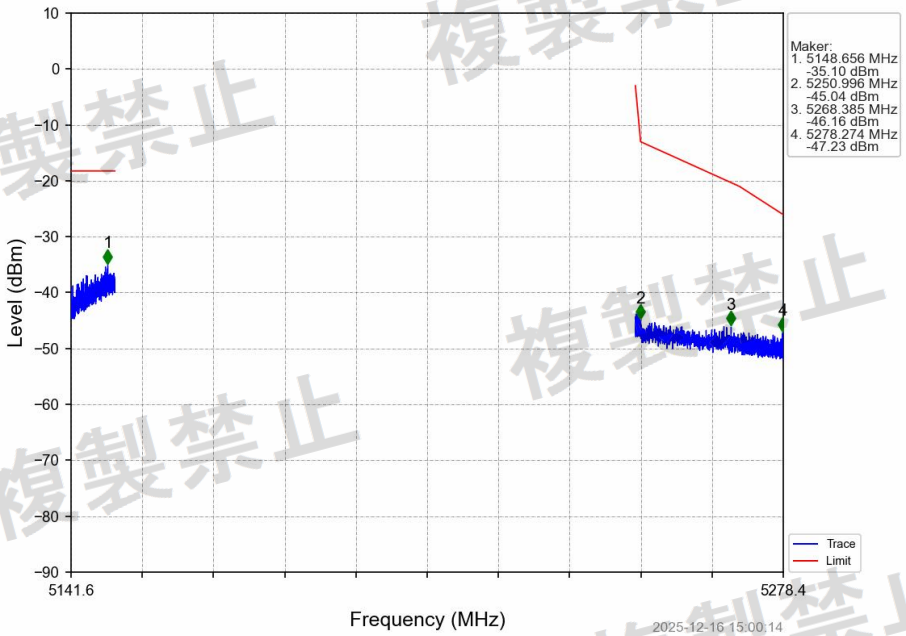
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



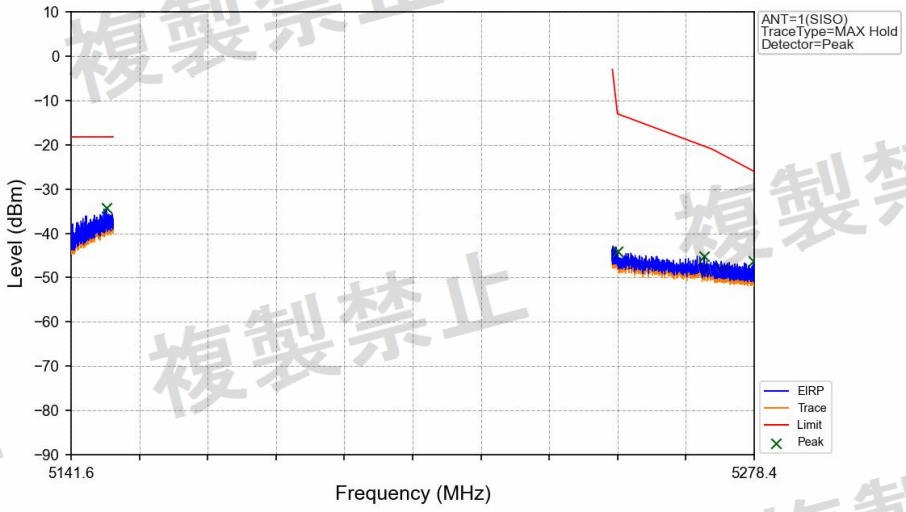
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV

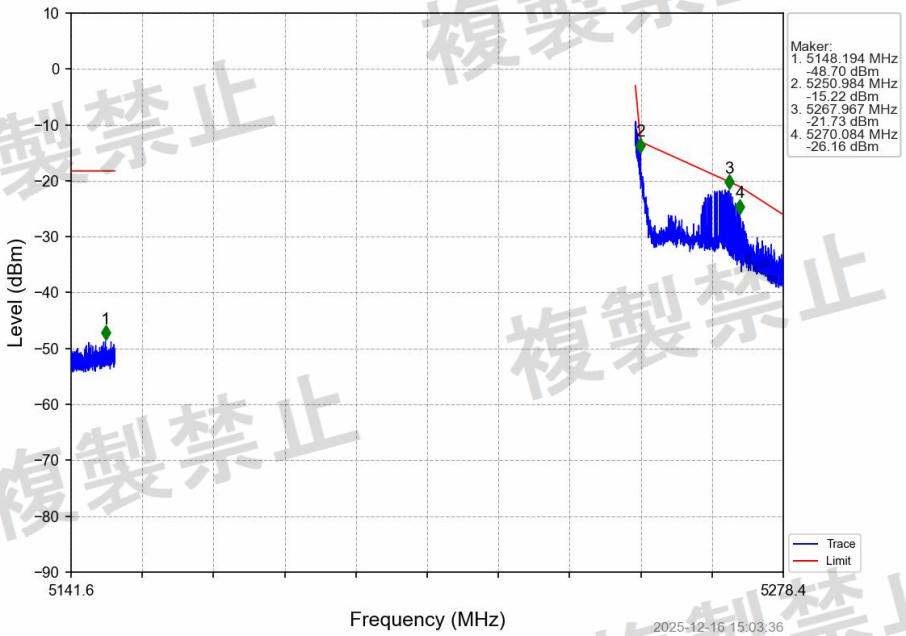


802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV

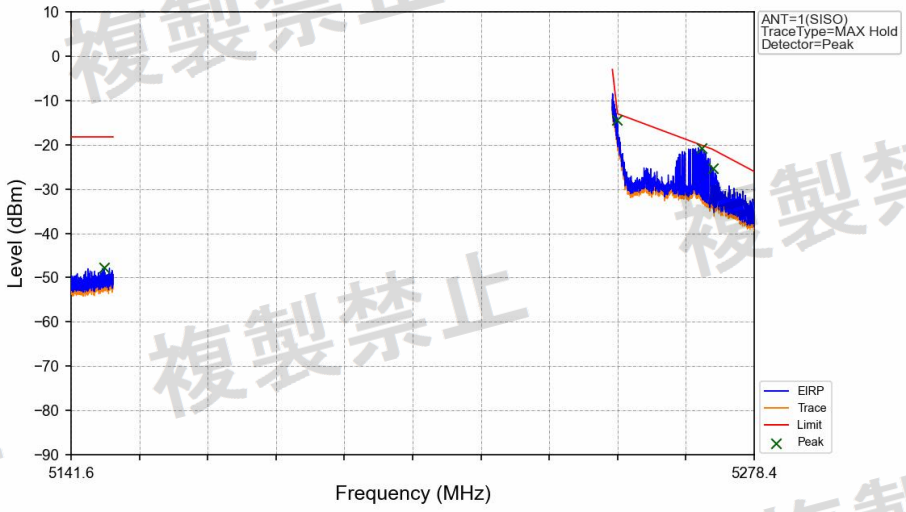


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5141.6	5150	1	1	5148.656	-35.10	/	0.90	-34.20	/	-18.24	Pass
5250	5251	1	1	5250.996	-45.04	/	0.90	-44.14	/	-12.97	Pass
5251	5270	1	1	5268.385	-46.16	/	0.90	-45.26	/	-20.33	Pass
5270	5278.4	1	1	5278.274	-47.23	/	0.90	-46.33	/	-25.97	Pass

802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

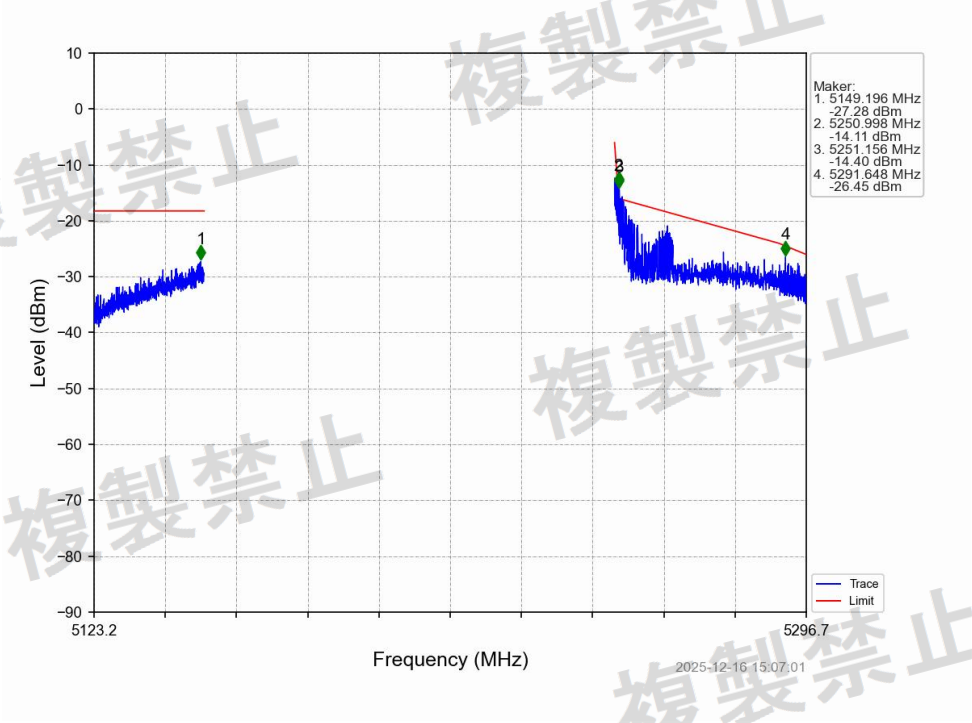


802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

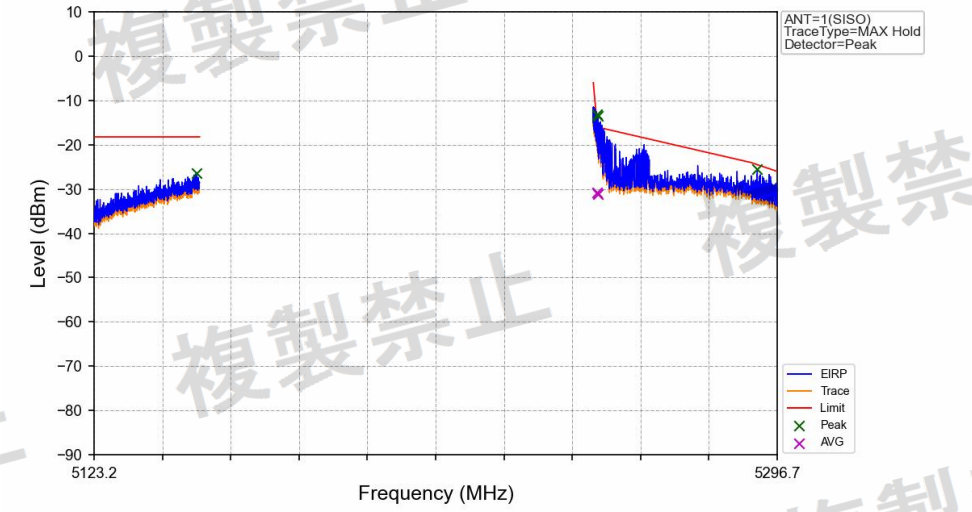


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5141.6	5150	1	1	5148.194	-48.70	/	0.90	-47.80	/	-18.24	Pass
5250	5251	1	1	5250.984	-15.22	/	0.90	-14.32	/	-12.85	Pass
5251	5270	1	1	5267.967	-21.73	/	0.90	-20.83	/	-20.15	Pass
5270	5278.4	1	1	5270.084	-26.16	/	0.90	-25.26	/	-21.06	Pass

802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

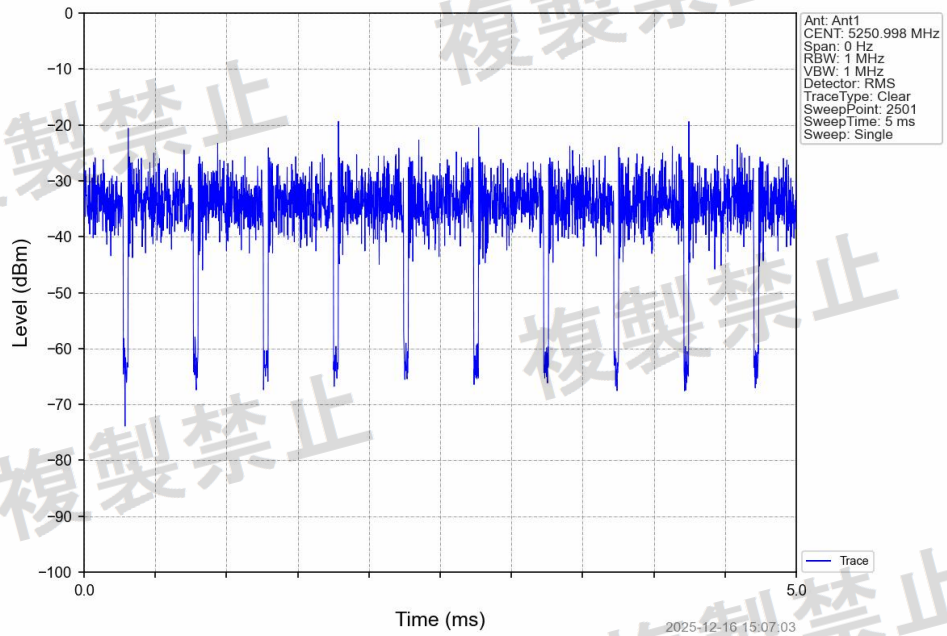


802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

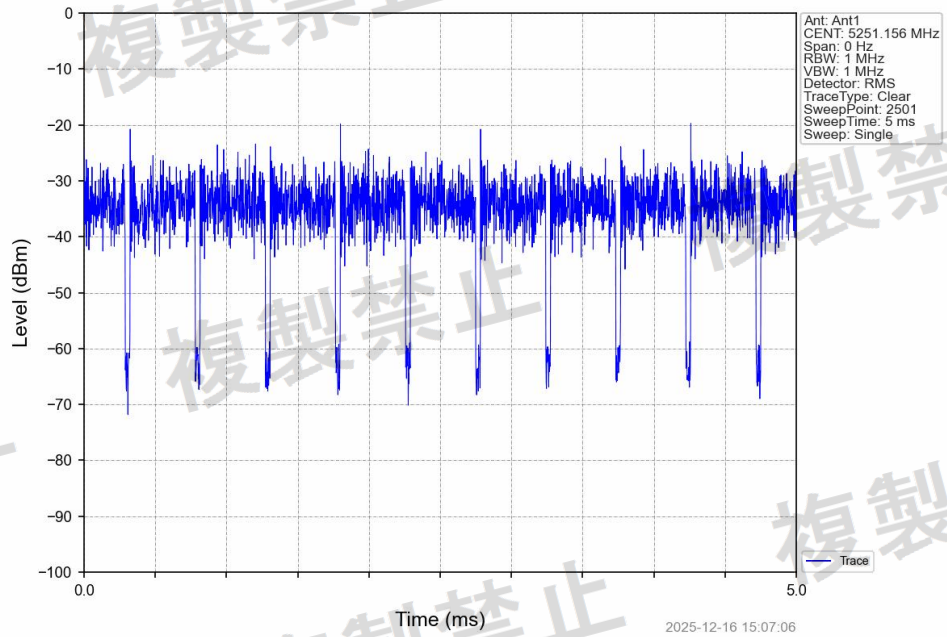


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5123.2	5150	1	1	5149.196	-27.28	/	0.90	-26.38	/	-18.24	Pass
5250	5251	1	1	5250.998	-14.11	-31.66	0.90	-13.21	-30.76	-16	Pass
5251	5290	1	1	5251.156	-14.40	-32.00	0.90	-13.50	-31.10	-16.05	Pass
5290	5296.7	1	1	5291.648	-26.45	/	0.90	-25.55	/	-24.51	Pass

802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



6. Transmission Burst Length

6.1 Test Result

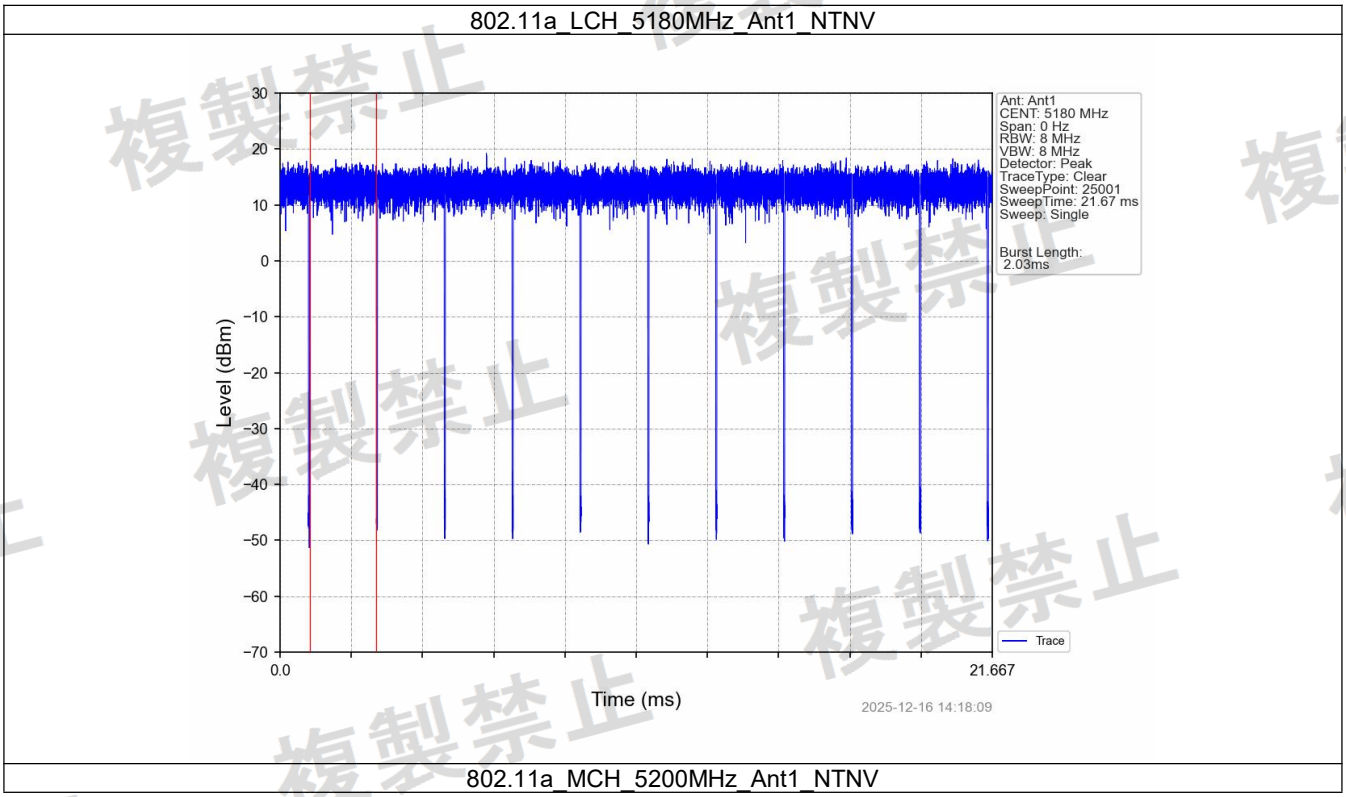
6.1.1 Ant1_NTNV

Ant1_NTNV					
Mode	TX Type	Frequency (MHz)	Burst Length (ms)		Verdict
			Result	Limit	
802.11a	SISO	5180	2.031	<=8	Pass
		5200	2.031	<=8	Pass
		5240	2.031	<=8	Pass
802.11n (HT20)	SISO	5180	1.891	<=8	Pass
		5200	1.891	<=8	Pass
		5240	1.891	<=8	Pass
802.11n (HT40)	SISO	5190	0.930	<=8	Pass
		5230	0.930	<=8	Pass
802.11ac (VHT20)	SISO	5180	1.904	<=8	Pass
		5200	1.903	<=8	Pass
		5240	1.903	<=8	Pass
802.11ac (VHT40)	SISO	5190	0.938	<=8	Pass
		5230	0.938	<=8	Pass
802.11ac (VHT80)	SISO	5210	0.457	<=8	Pass

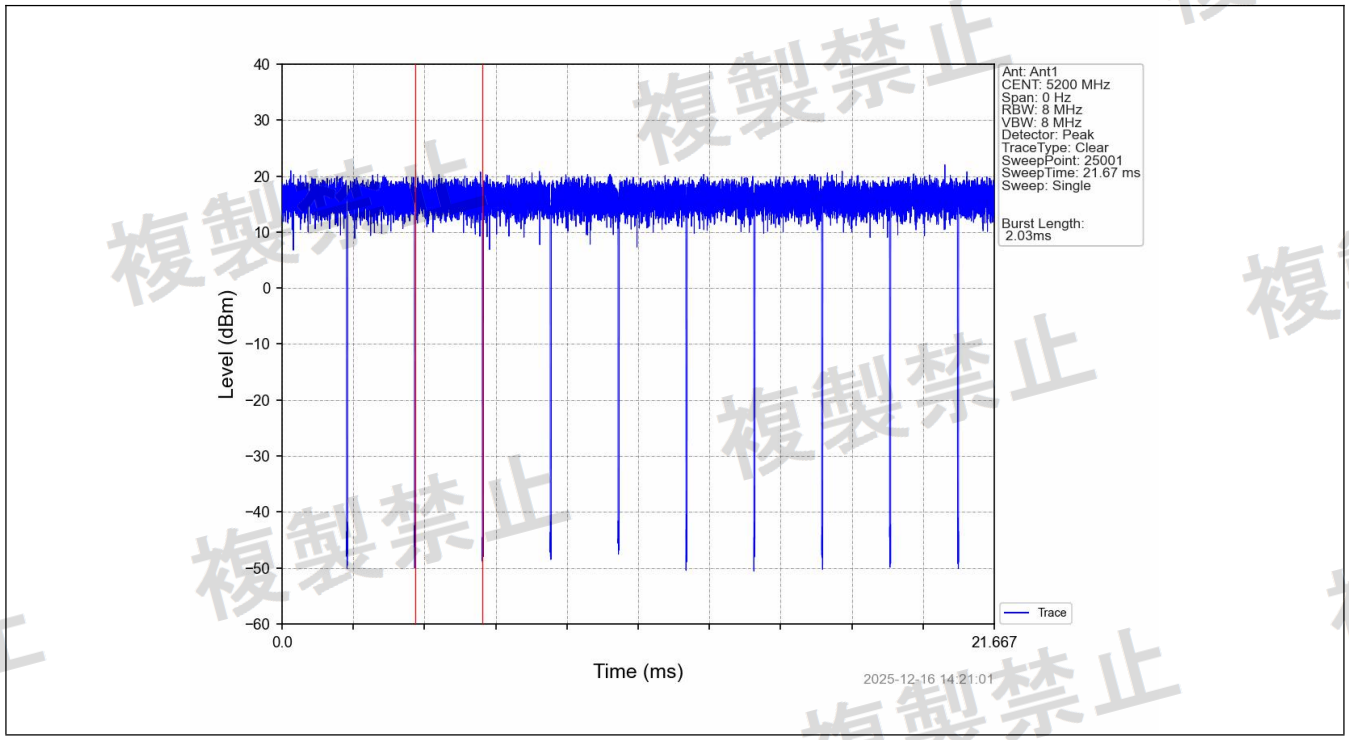
6.2 Test Graph

6.2.1 Ant1_NTNV

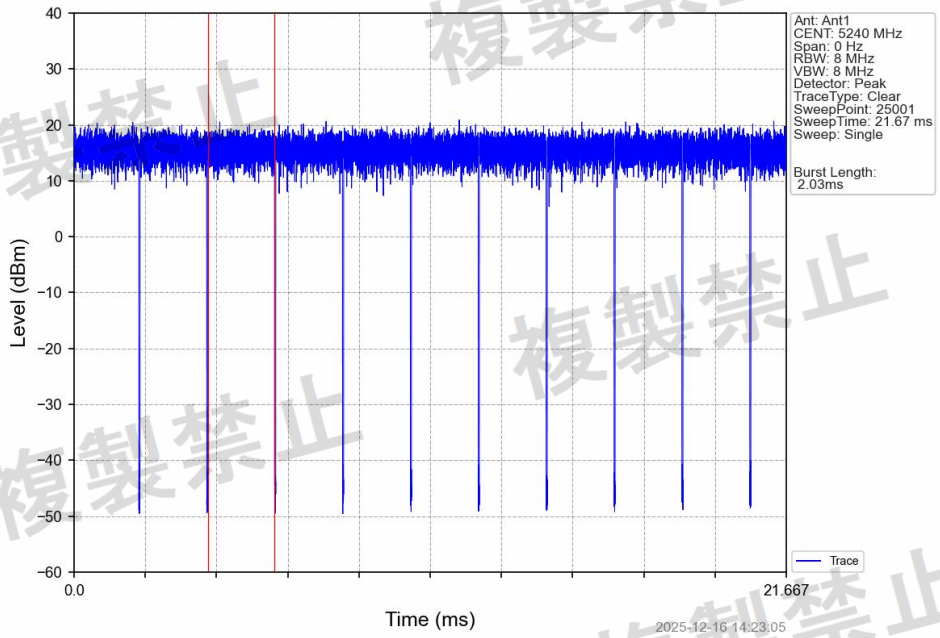
802.11a_LCH_5180MHz_Ant1_NTNV



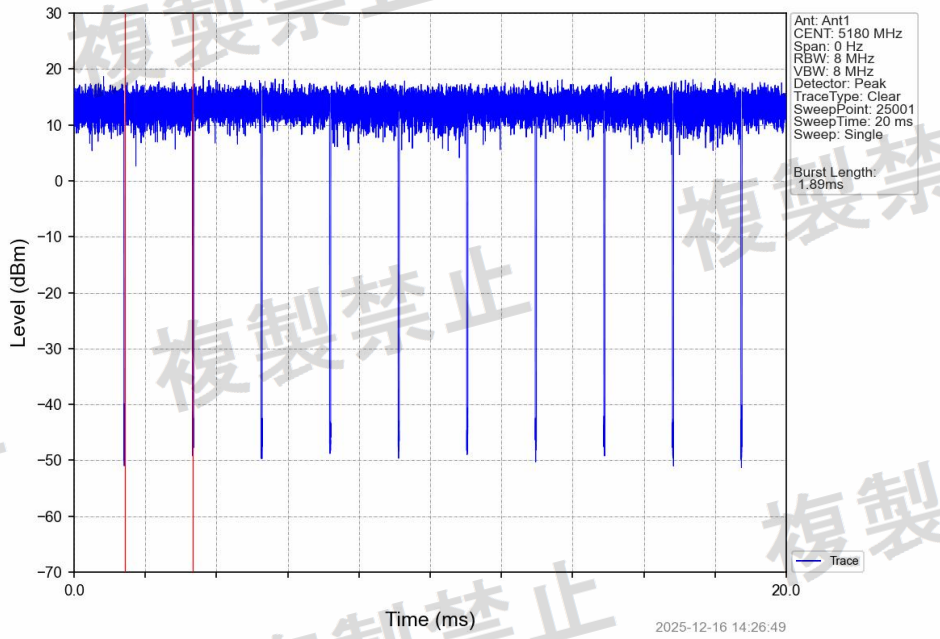
802.11a_MCH_5200MHz_Ant1_NTNV


Ant: Ant1
CENT: 5200 MHz
Span: 0 Hz
RBW: 8 MHz
VBW: 8 MHz
Detector: Peak
TraceType: Clear
SweepPoint: 25001
SweepTime: 21.67 ms
Sweep: Single
Burst Length:
2.03ms
Level (dBm)
40
30
20
10
0
-10
-20
-30
-40
-50
-60
0.0
21.667
Time (ms)
Trace
2025-12-16 14:21:01

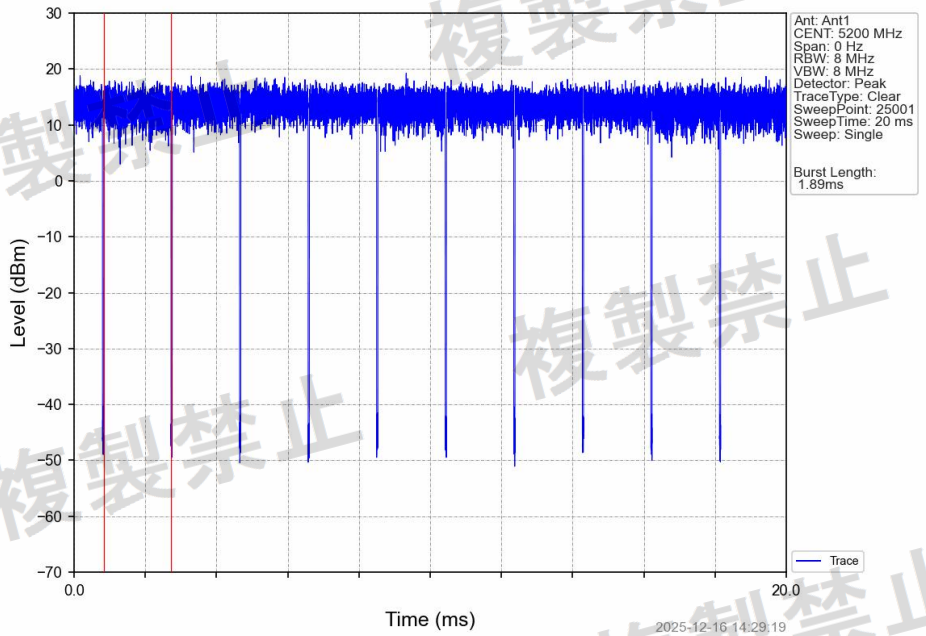
802.11a_HCH_5240MHz_Ant1_NTNV



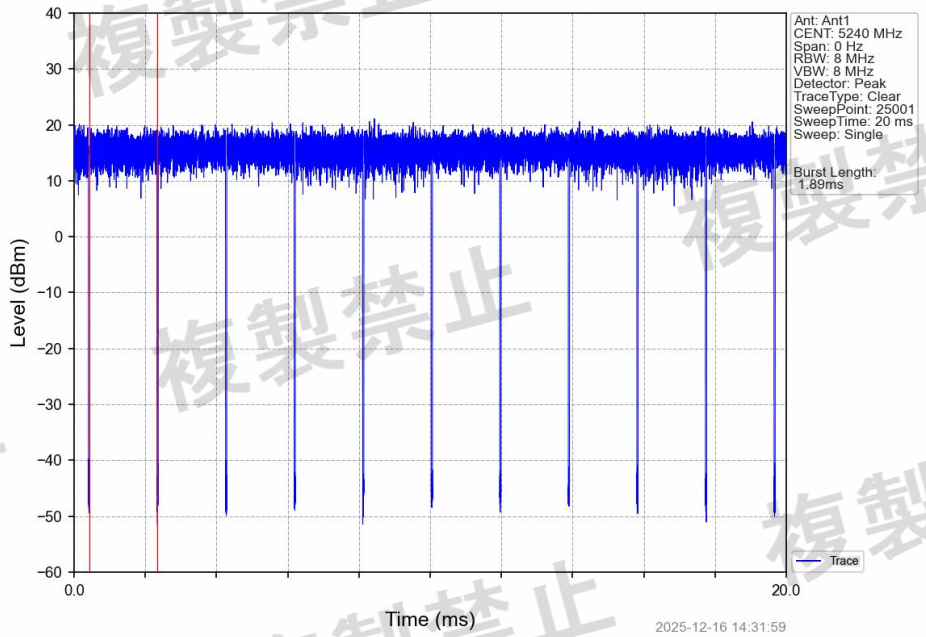
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



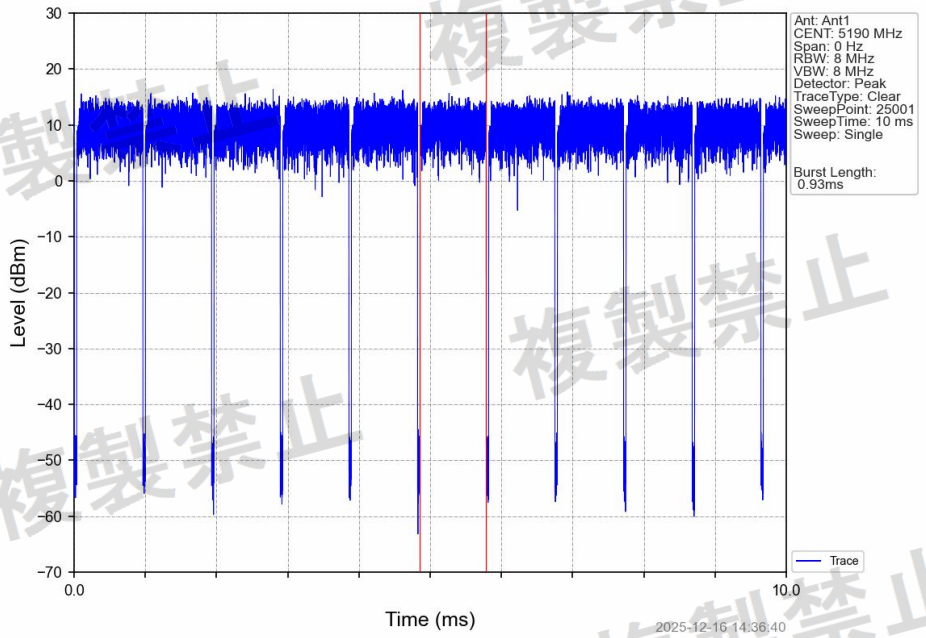
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



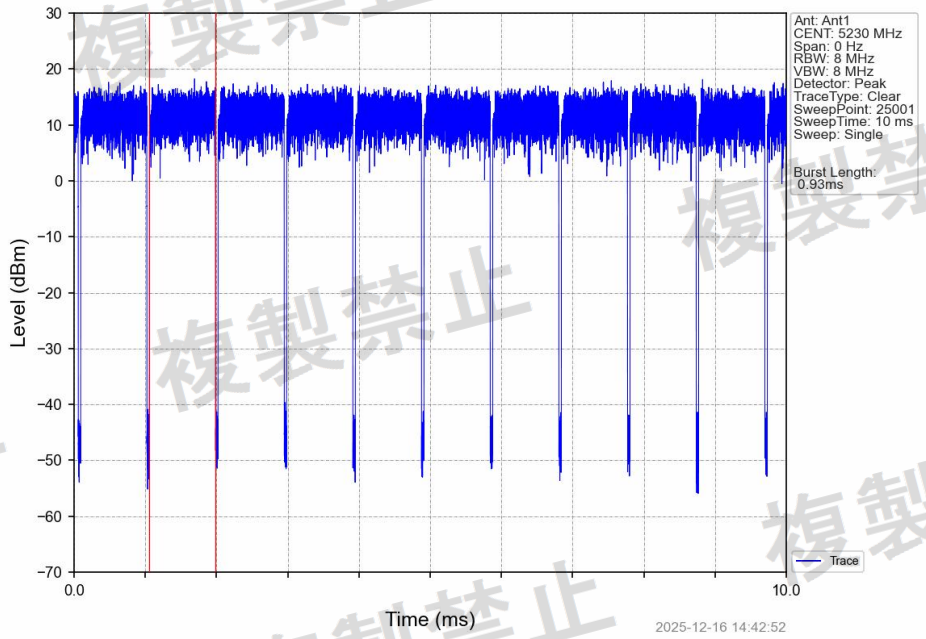
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



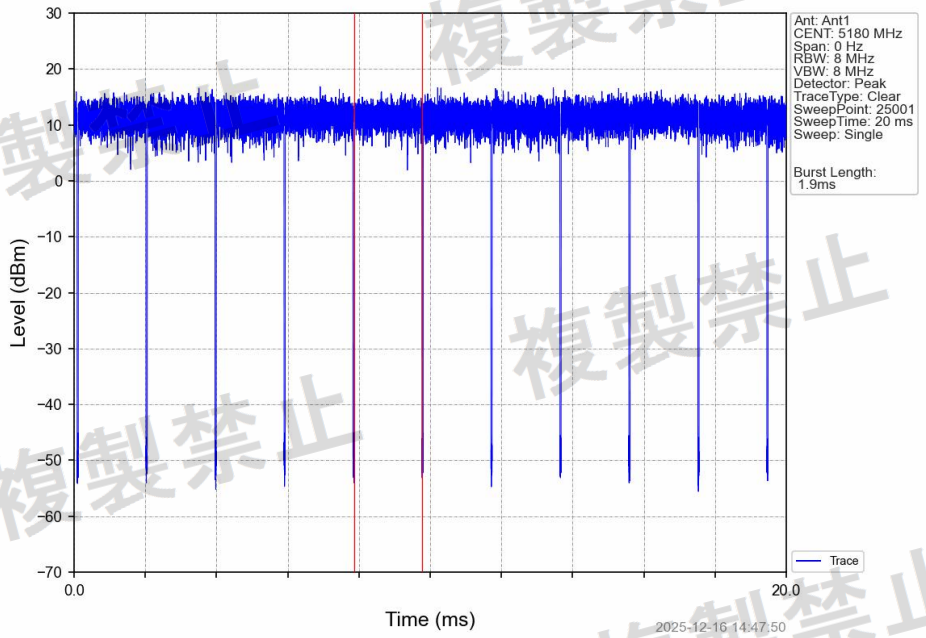
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



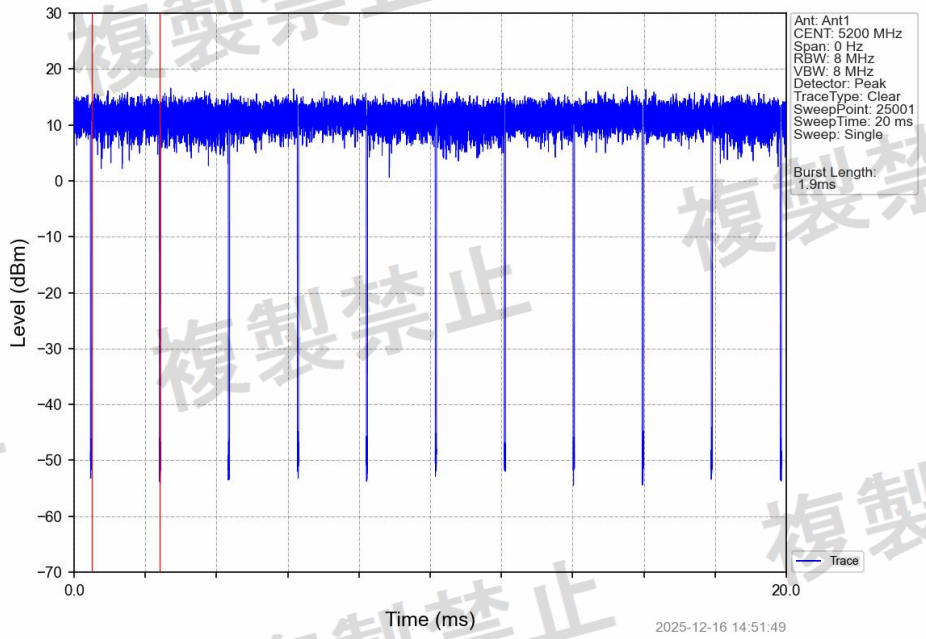
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



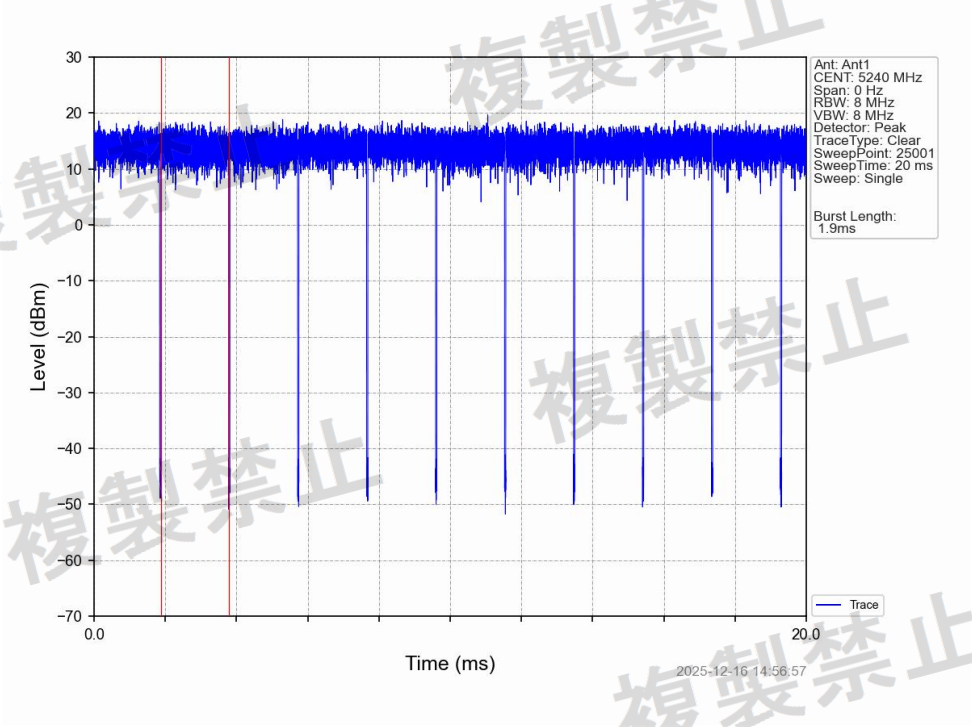
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



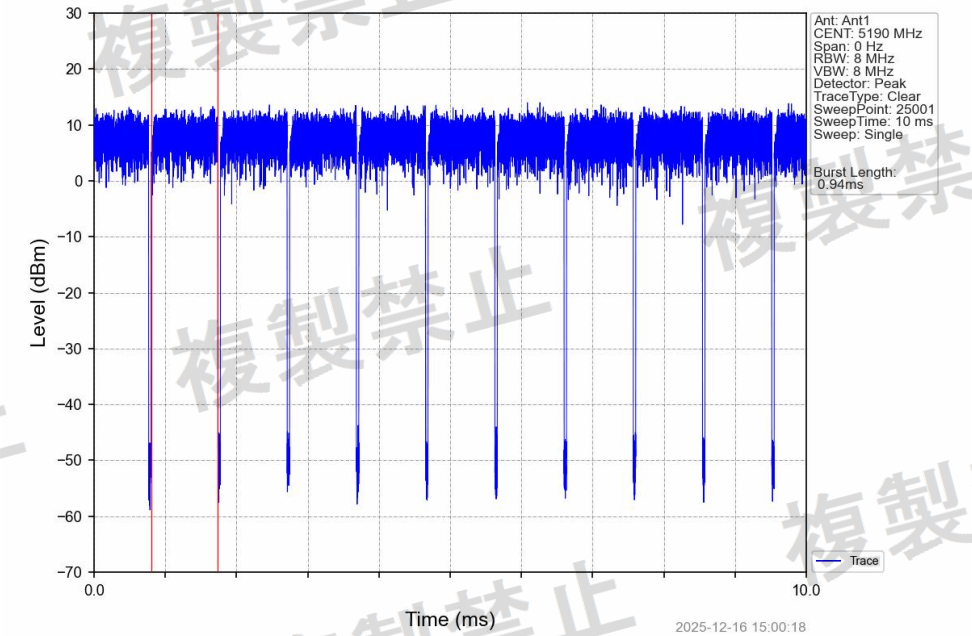
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



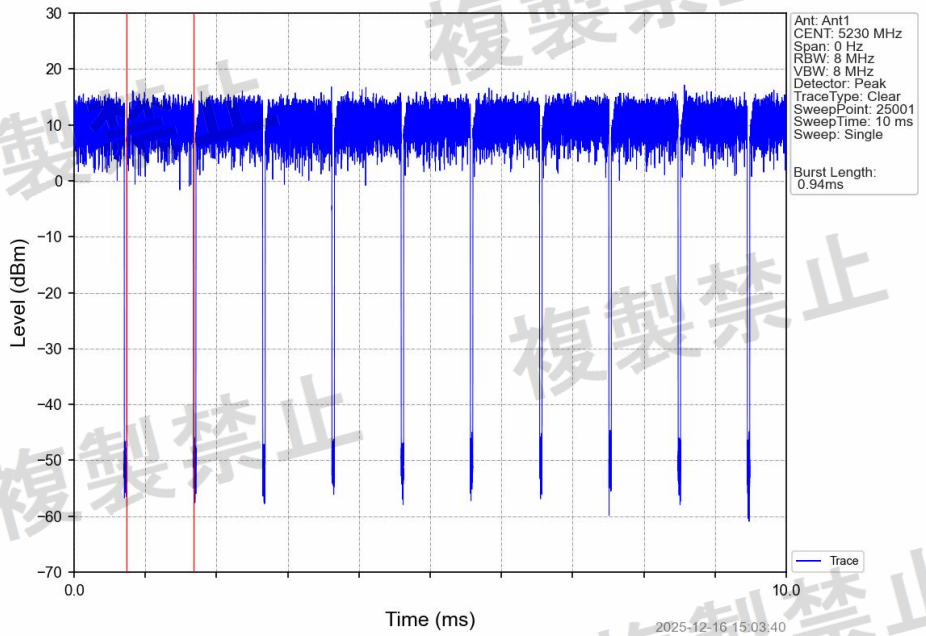
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



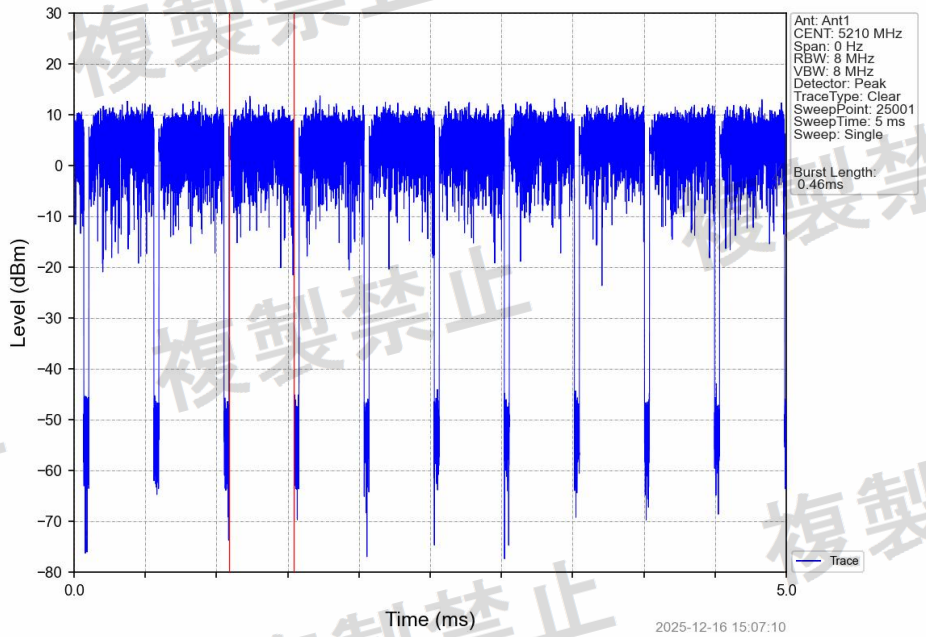
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



7. Spurious Emission Intensity

7.1 Test Result

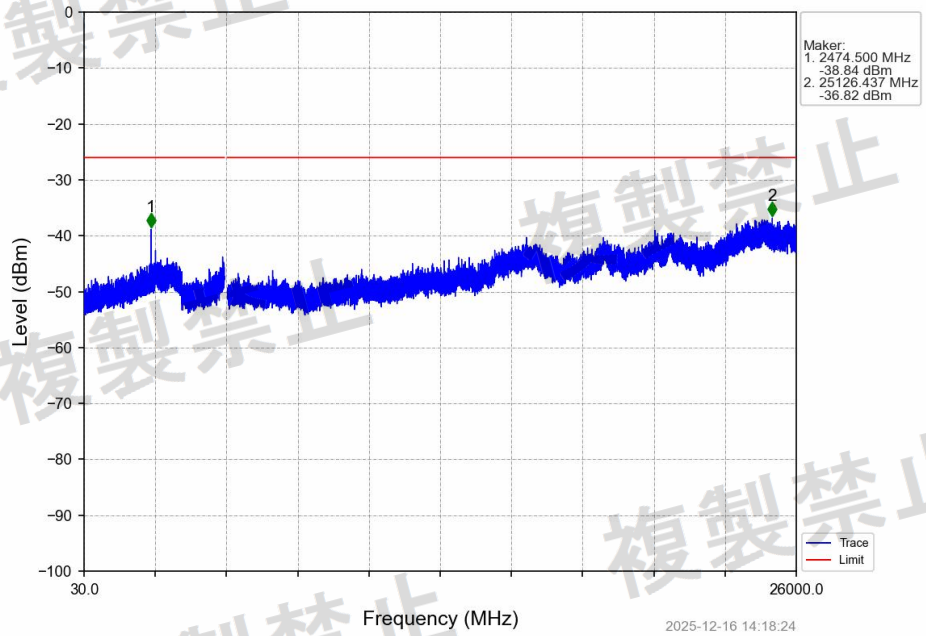
7.1.1 TxSe_NTNV_SISO

NTNV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK EIRP (dBm /MHz)	PK EIRP (uW /MHz)	AV EIRP (dBm /MHz)	AV EIRP (uW /MHz)		
802.11a	SISO	5180	1	30	5142	2474.5	-37.94	0.161	/	/	2.5	Pass
				5266.7	26000	25126.437	-35.92	0.256	/	/	2.5	Pass
		5200	1	30	5142	2471	-38.44	0.143	/	/	2.5	Pass
				5266.7	26000	24726.284	-35.49	0.282	/	/	2.5	Pass
		5240	1	30	5142	2787.5	-42.35	0.058	/	/	2.5	Pass
				5266.7	26000	24743.562	-35.61	0.275	/	/	2.5	Pass
802.11n (HT20)	SISO	5180	1	30	5142	2471	-39.22	0.120	/	/	2.5	Pass
				5266.7	26000	25406.337	-35.56	0.278	/	/	2.5	Pass
		5200	1	30	5142	2474.5	-38.60	0.138	/	/	2.5	Pass
				5266.7	26000	24697.258	-34.93	0.321	/	/	2.5	Pass
		5240	1	30	5142	2470.5	-39.47	0.113	/	/	2.5	Pass
				5266.7	26000	24876.946	-35.37	0.290	/	/	2.5	Pass
802.11n (HT40)	SISO	5190	1	30	5141.6	5140.6	-34.47	0.357	/	/	2.5	Pass
				5278.4	26000	24727.694	-39.08	0.124	/	/	2.5	Pass
		5230	1	30	5141.6	2470.548	-38.55	0.140	/	/	2.5	Pass
				5278.4	26000	5281.163	-32.60	0.550	/	/	2.5	Pass
802.11ac (VHT20)	SISO	5180	1	30	5142	2471.5	-39.64	0.109	/	/	2.5	Pass
				5266.7	26000	23567.293	-39.28	0.118	/	/	2.5	Pass
		5200	1	30	5142	2472.5	-38.76	0.133	/	/	2.5	Pass
				5266.7	26000	24875.564	-39.15	0.122	/	/	2.5	Pass
		5240	1	30	5142	3078	-42.58	0.055	/	/	2.5	Pass
				5266.7	26000	24109.814	-35.46	0.284	/	/	2.5	Pass
802.11ac (VHT40)	SISO	5190	1	30	5141.6	2473.548	-39.34	0.116	/	/	2.5	Pass
				5278.4	26000	24898.992	-39.91	0.102	/	/	2.5	Pass
		5230	1	30	5141.6	2473.048	-39.35	0.116	/	/	2.5	Pass
				5278.4	26000	5280.472	-34.07	0.392	/	/	2.5	Pass
802.11ac (VHT80)	SISO	5210	1	30	5123.2	5117.7	-35.98	0.252	/	/	2.5	Pass
				5296.7	26000	5298.08	-28.55	1.396	-39.40	0.115	2.5	Pass

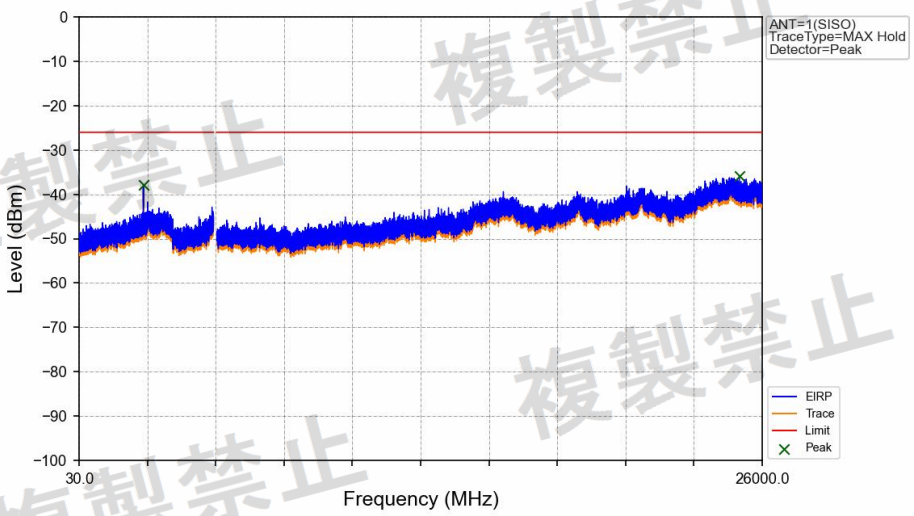
7.2 Test Graph

7.2.1 TxSe_NTNV_SISO

802.11a_LCH_5180MHz_Ant1_NTNV

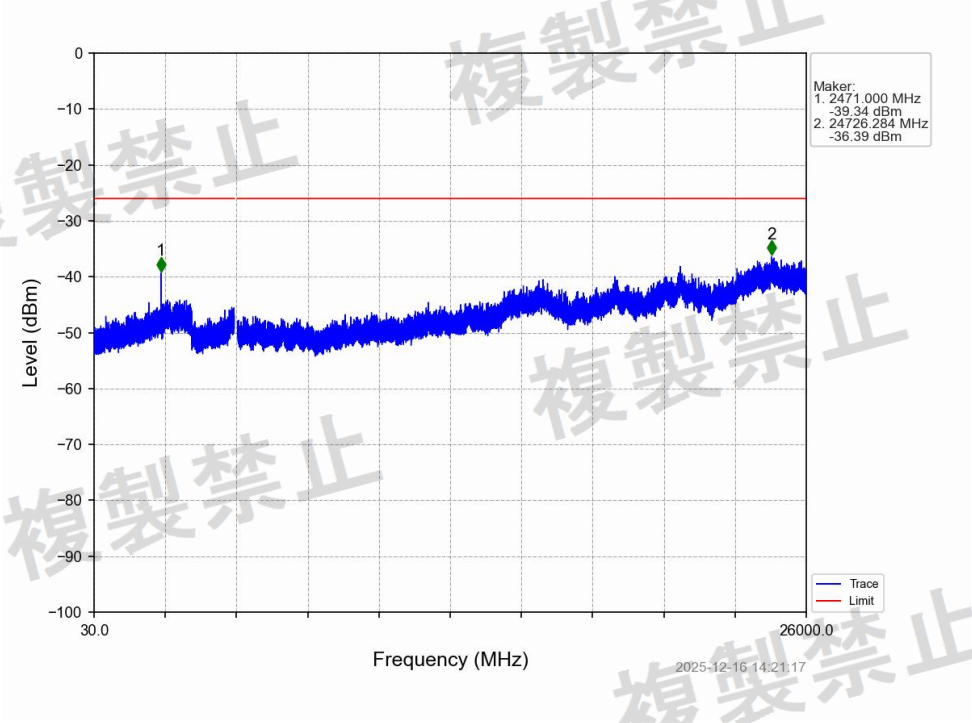


802.11a_LCH_5180MHz_Ant1_NTNV

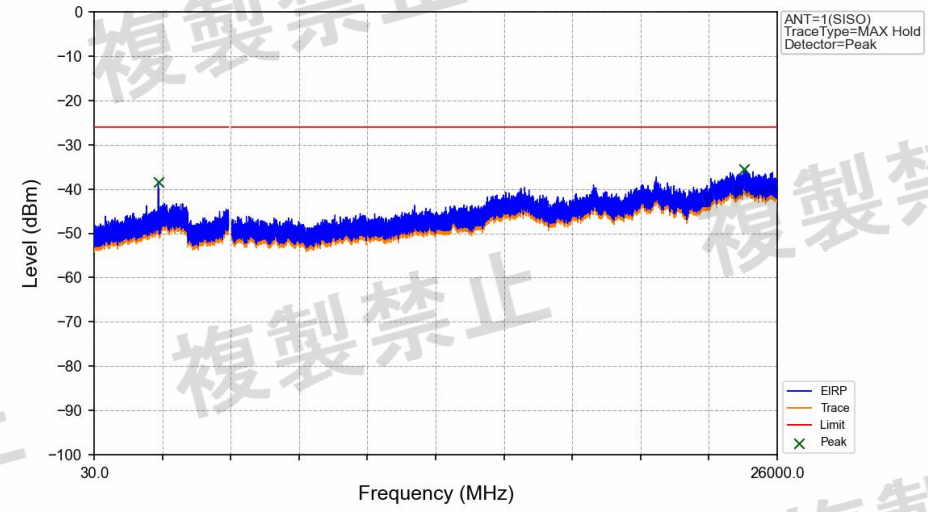


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	2474.500	-38.84	/	0.90	-37.94	/	-26.02	Pass
5266.7	26000	1	1	25126.437	-36.82	/	0.90	-35.92	/	-26.02	Pass

802.11a_MCH_5200MHz_Ant1_NTNV

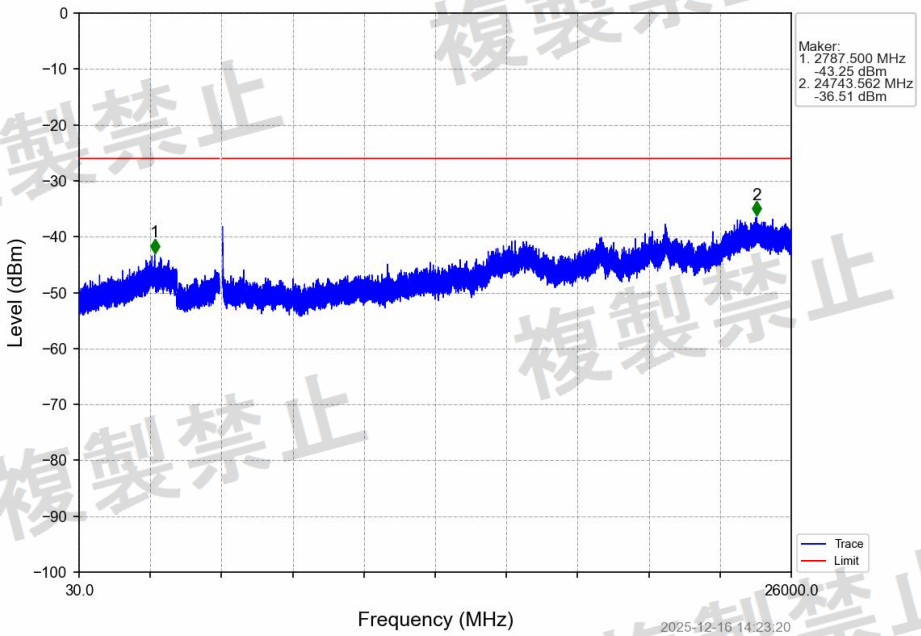


802.11a_MCH_5200MHz_Ant1_NTNV

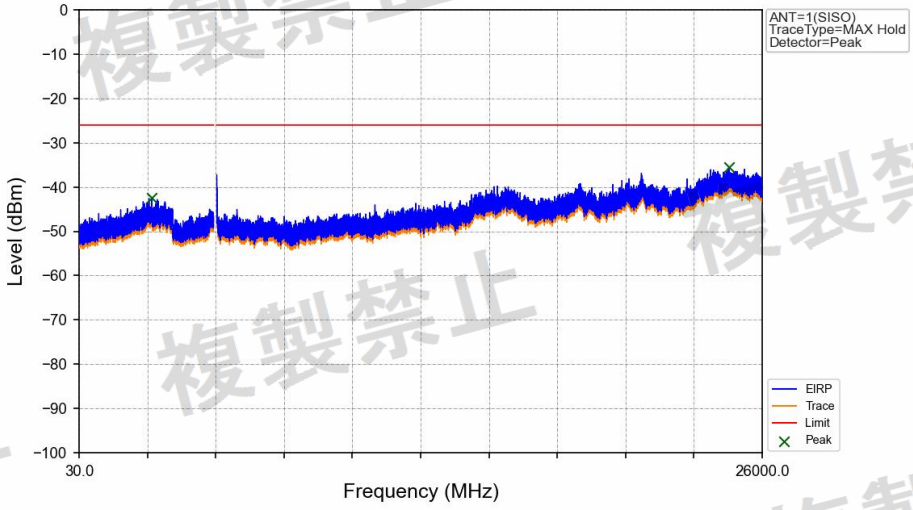


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	2471.000	-39.34	/	0.90	-38.44	/	-26.02	Pass
5266.7	26000	1	1	24726.284	-36.39	/	0.90	-35.49	/	-26.02	Pass

802.11a_HCH_5240MHz_Ant1_NTNV

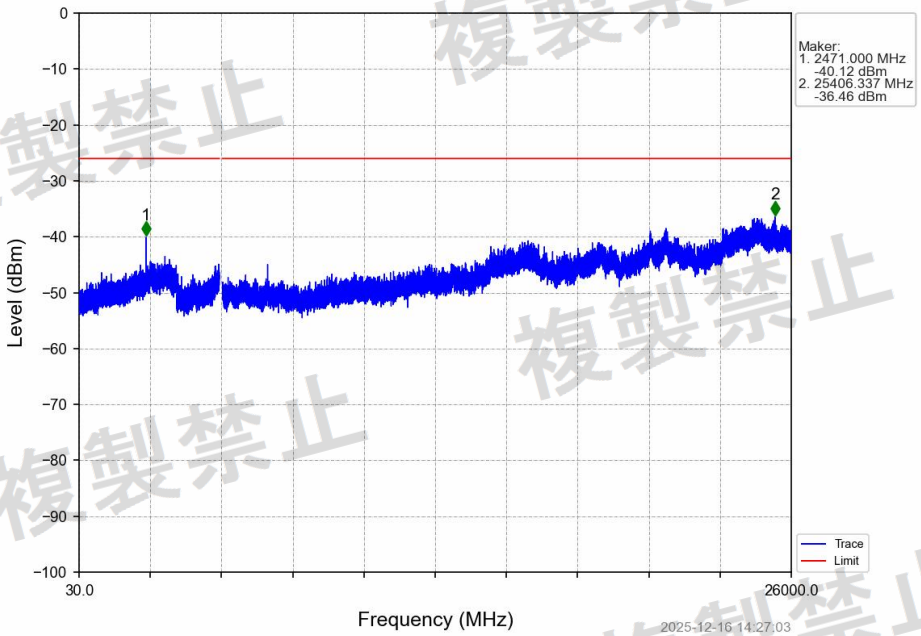


802.11a_HCH_5240MHz_Ant1_NTNV

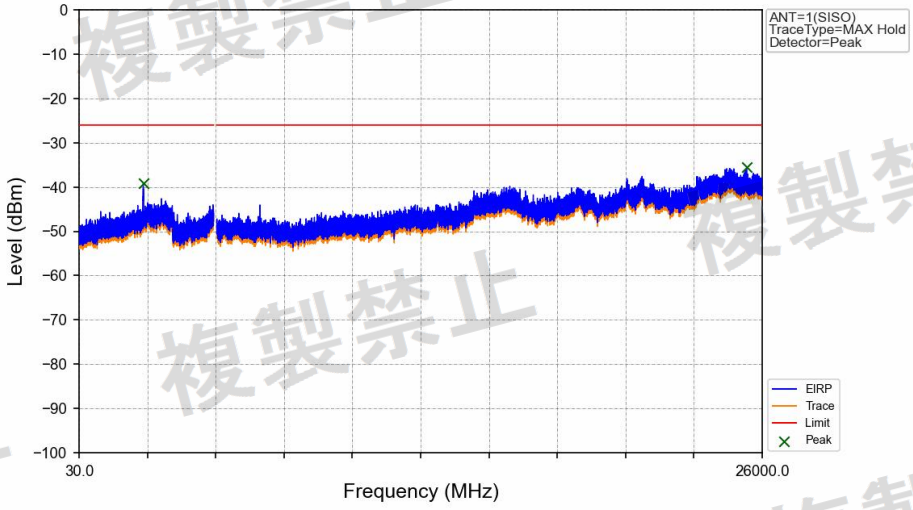


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	2787.500	-43.25	/	0.90	-42.35	/	-26.02	Pass
5266.7	26000	1	1	24743.562	-36.51	/	0.90	-35.61	/	-26.02	Pass

802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

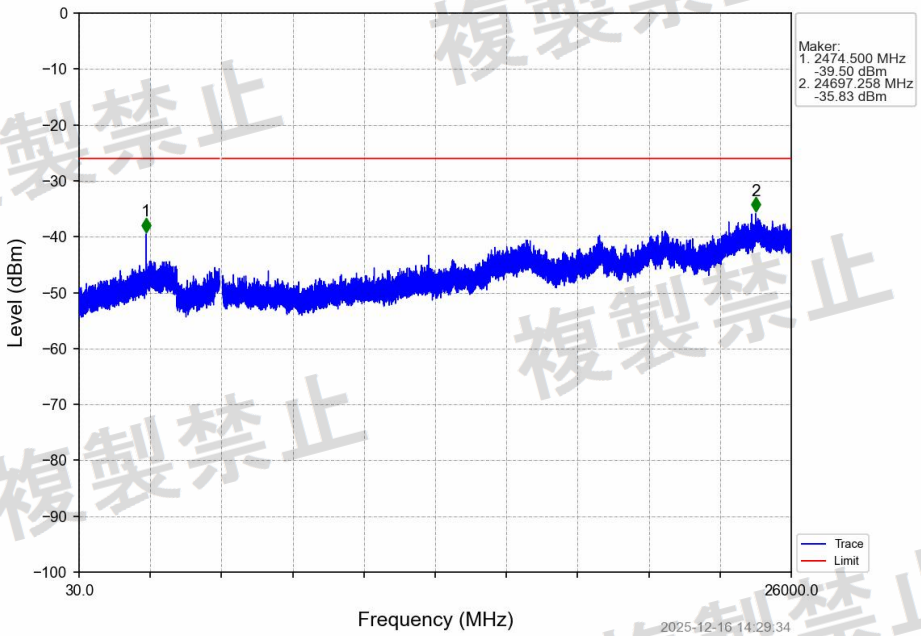


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

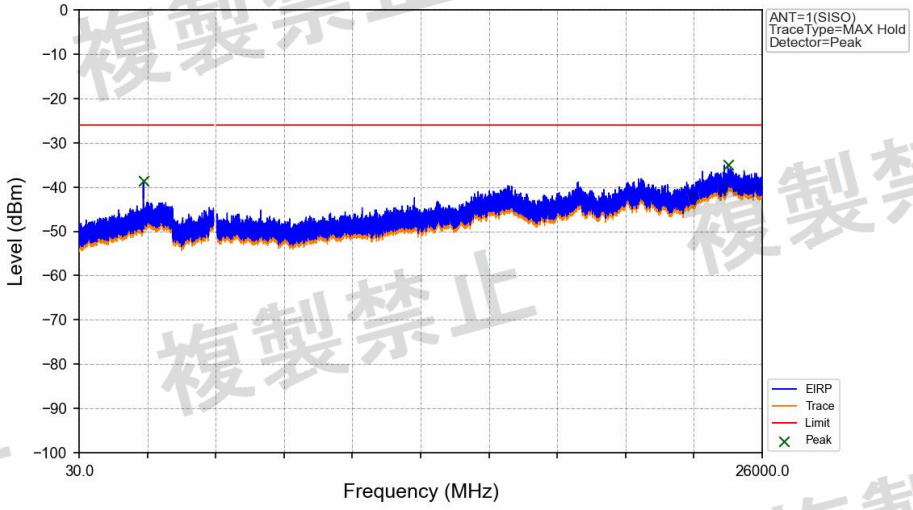


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	2471.000	-40.12	/	0.90	-39.22	/	-26.02	Pass
5266.7	26000	1	1	25406.337	-36.46	/	0.90	-35.56	/	-26.02	Pass

802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

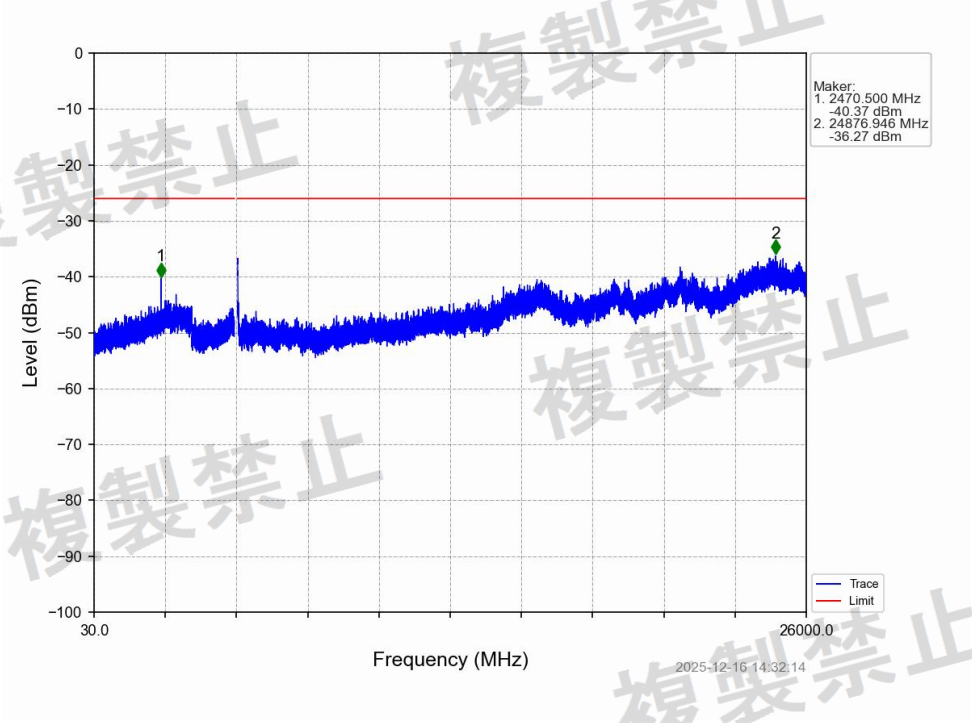


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

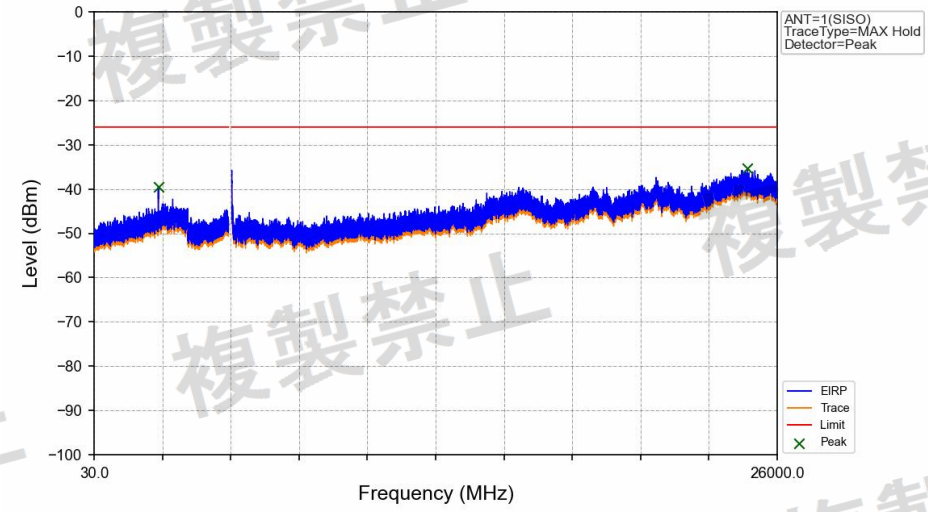


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	2474.500	-39.50	/	0.90	-38.60	/	-26.02	Pass
5266.7	26000	1	1	24697.258	-35.83	/	0.90	-34.93	/	-26.02	Pass

802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

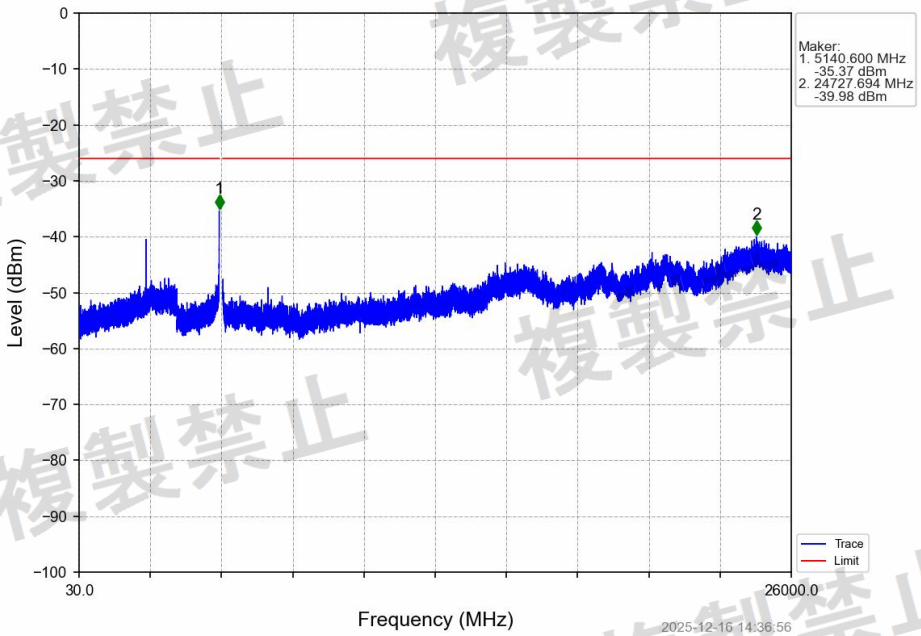


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

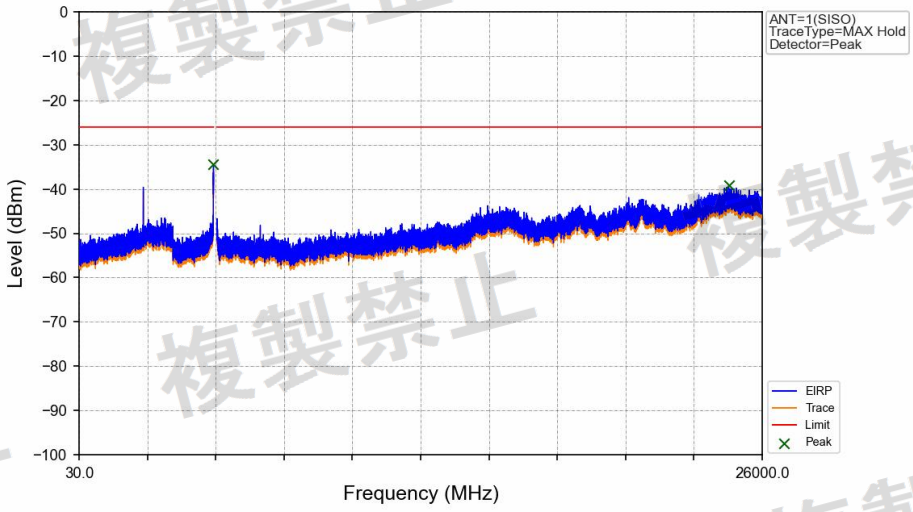


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	2470.500	-40.37	/	0.90	-39.47	/	-26.02	Pass
5266.7	26000	1	1	24876.946	-36.27	/	0.90	-35.37	/	-26.02	Pass

802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

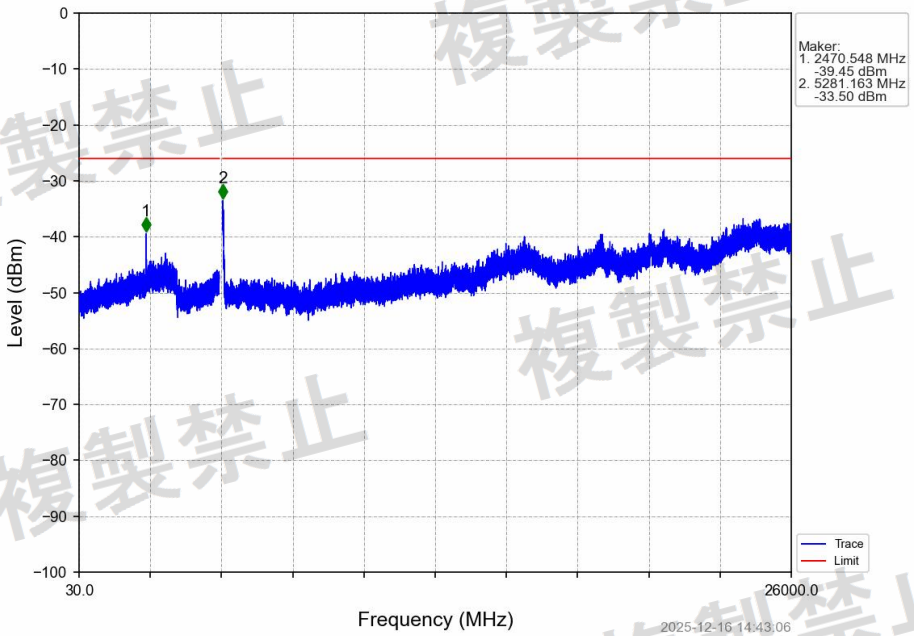


802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

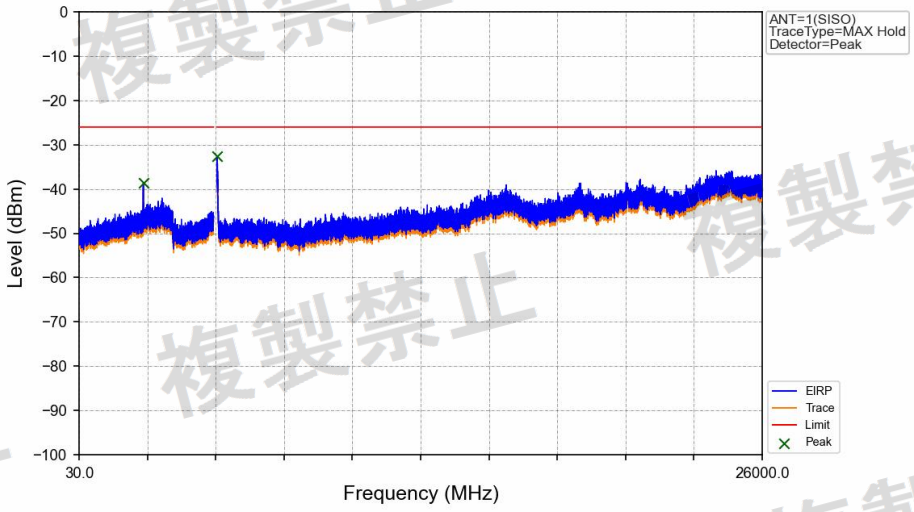


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5141.6	1	1	5140.600	-35.37	/	0.90	-34.47	/	-26.02	Pass
5278.4	26000	1	1	24727.694	-39.98	/	0.90	-39.08	/	-26.02	Pass

802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

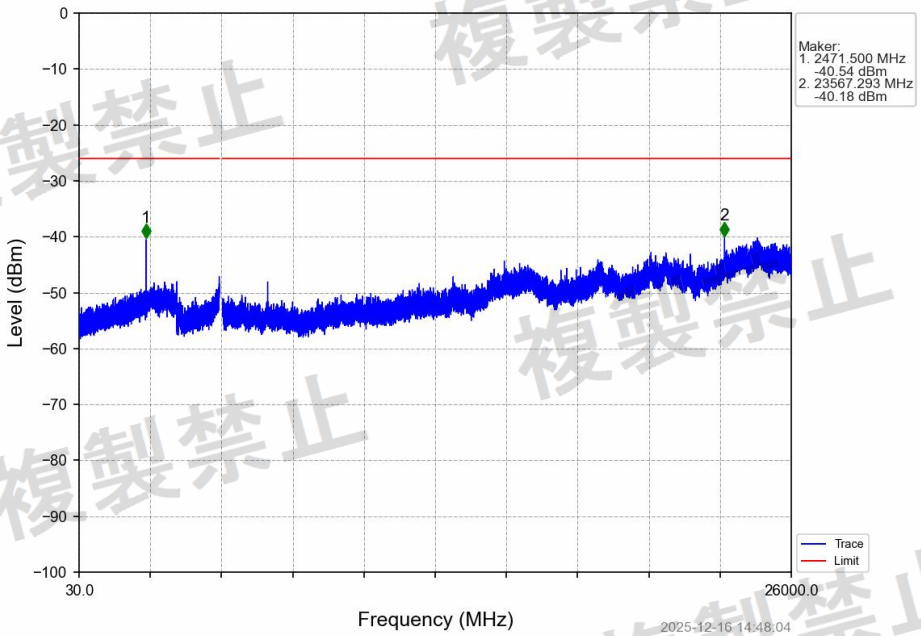


802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

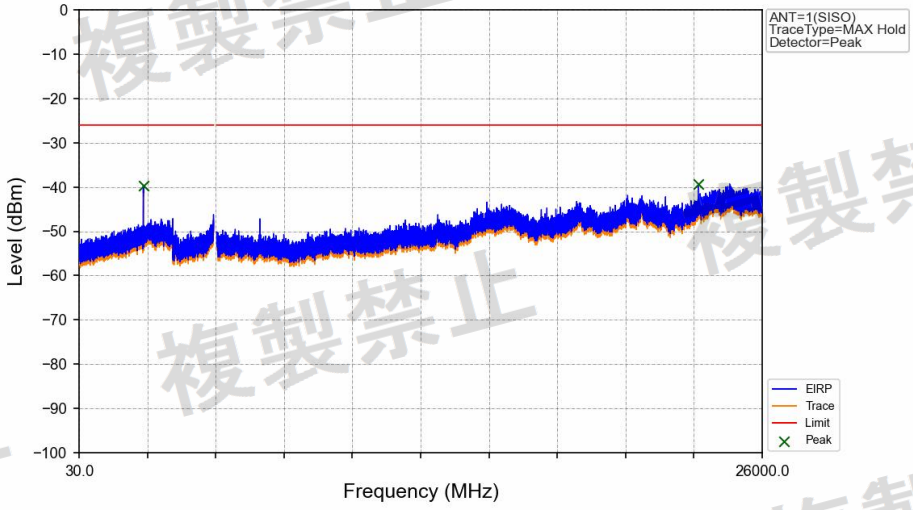


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5141.6	1	1	2470.548	-39.45	/	0.90	-38.55	/	-26.02	Pass
5278.4	26000	1	1	5281.163	-33.50	/	0.90	-32.60	/	-26.02	Pass

802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

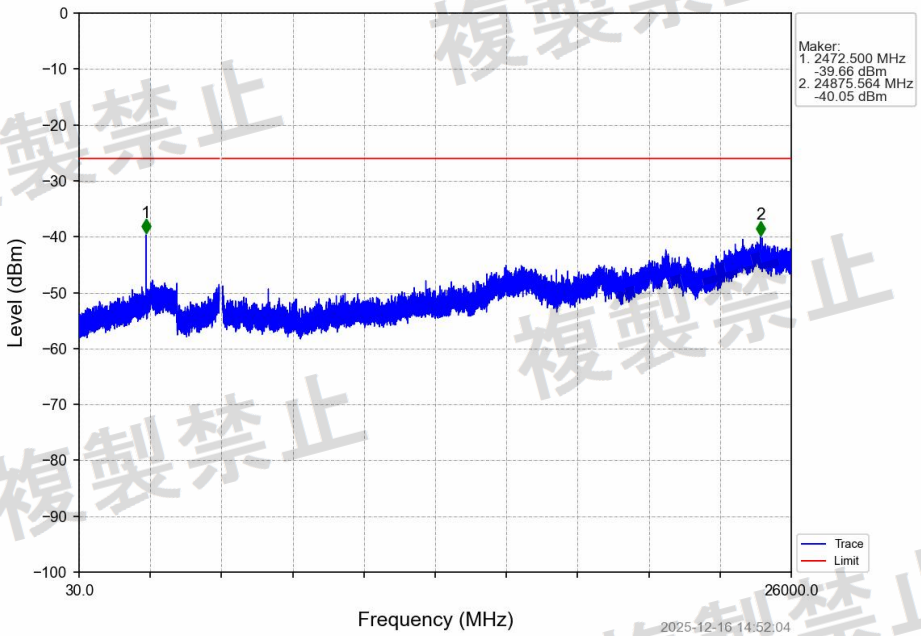


802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

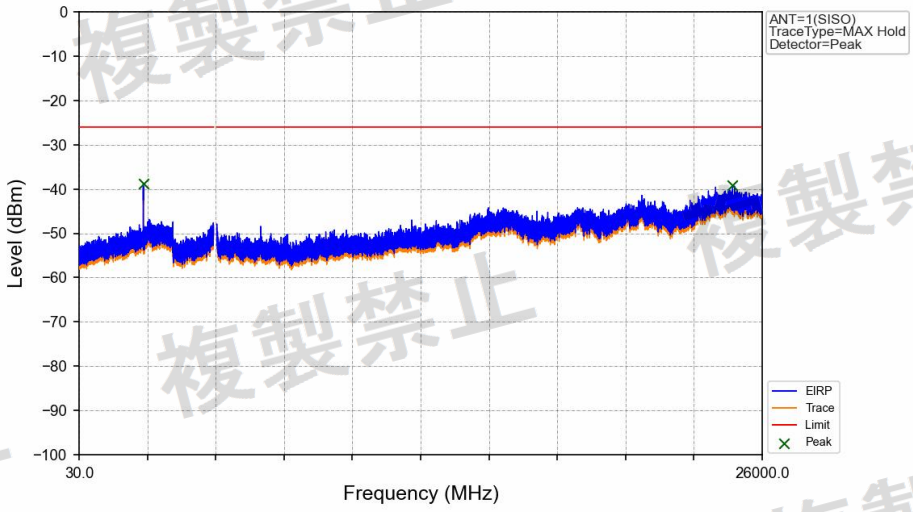


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	2471.500	-40.54	/	0.90	-39.64	/	-26.02	Pass
5266.7	26000	1	1	23567.293	-40.18	/	0.90	-39.28	/	-26.02	Pass

802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

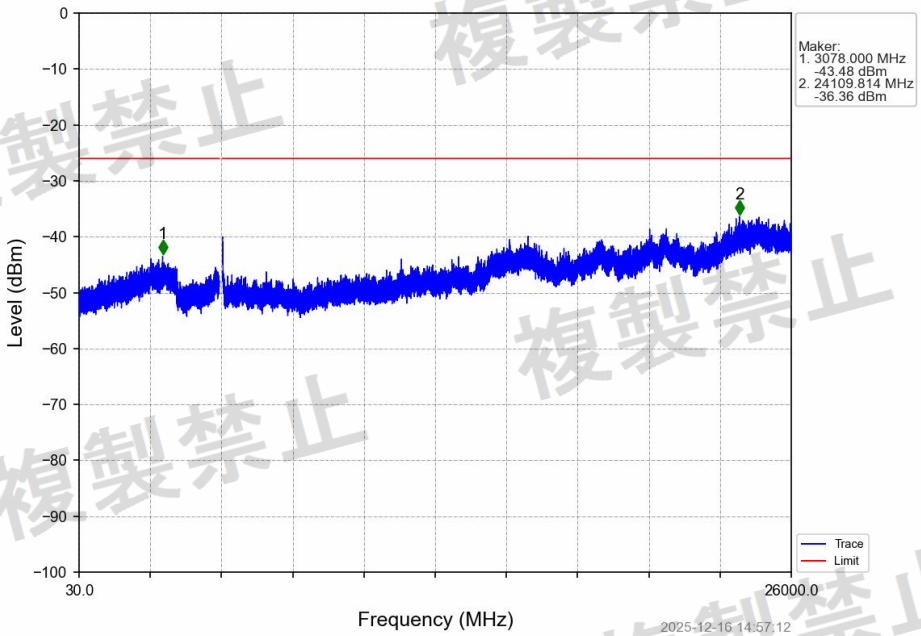


802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

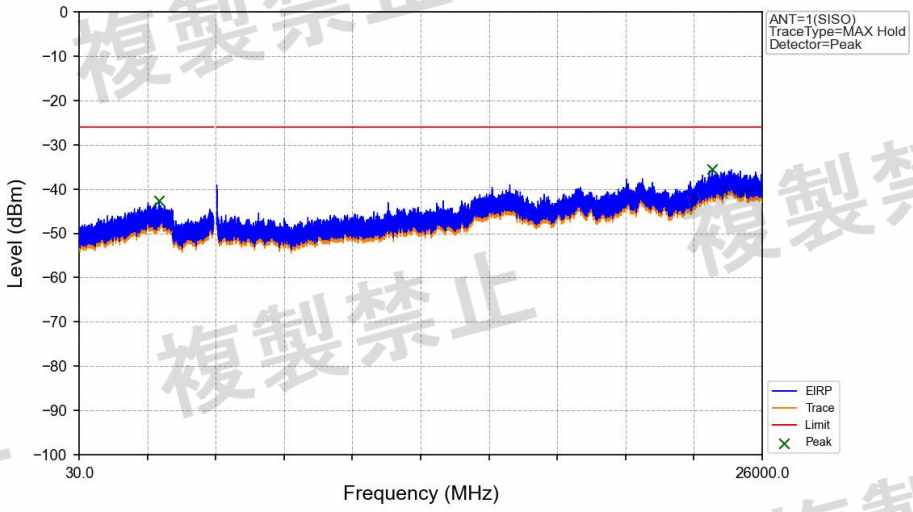


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	2472.500	-39.66	/	0.90	-38.76	/	-26.02	Pass
5266.7	26000	1	1	24875.564	-40.05	/	0.90	-39.15	/	-26.02	Pass

802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV

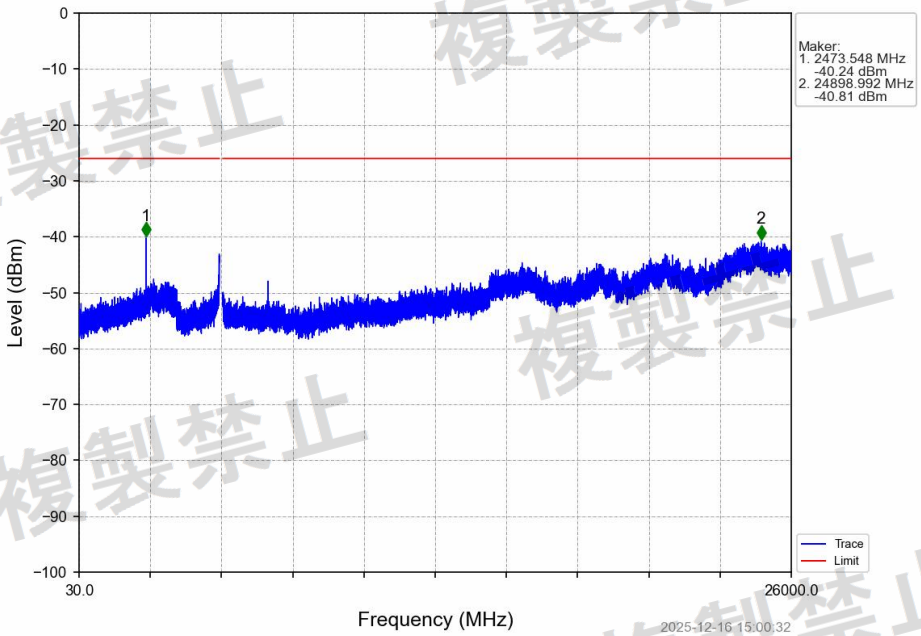


802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV

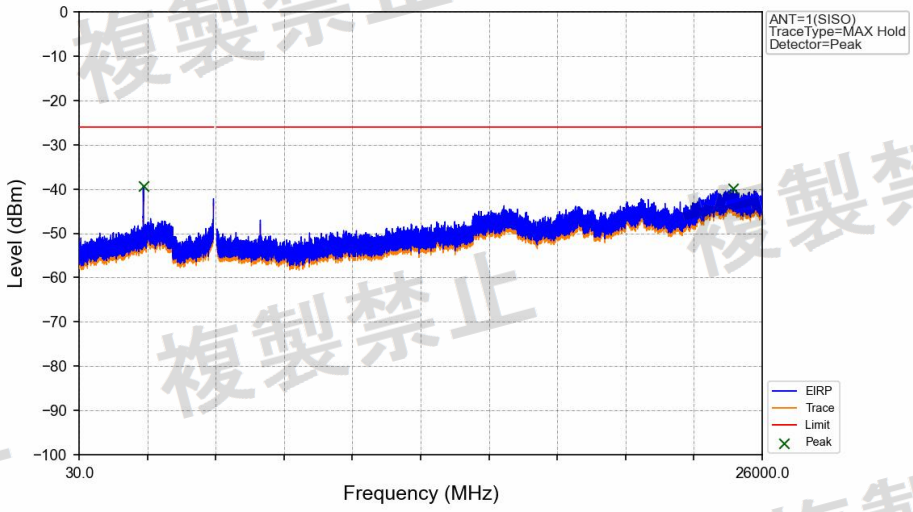


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	3078.000	-43.48	/	0.90	-42.58	/	-26.02	Pass
5266.7	26000	1	1	24109.814	-36.36	/	0.90	-35.46	/	-26.02	Pass

802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV

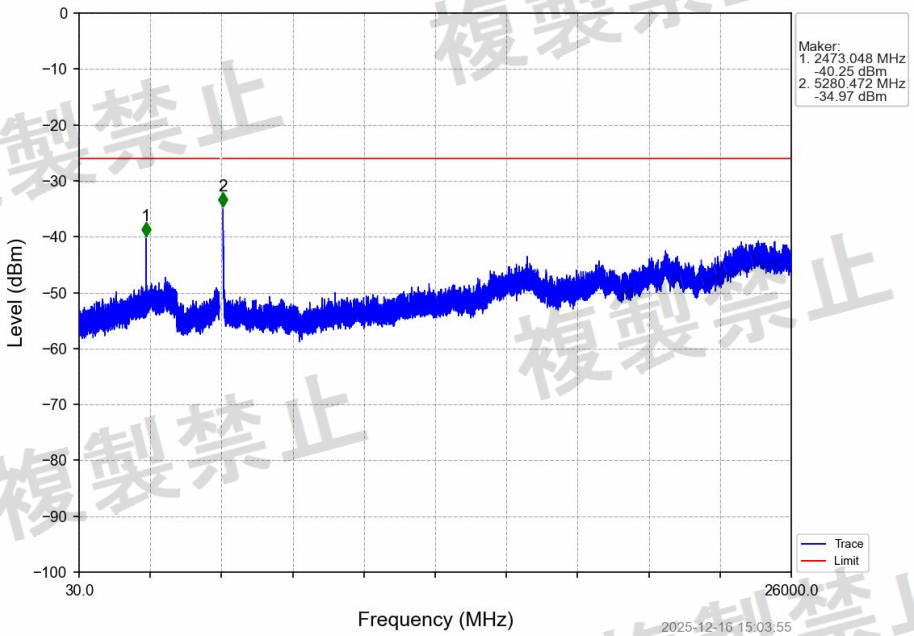


802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV

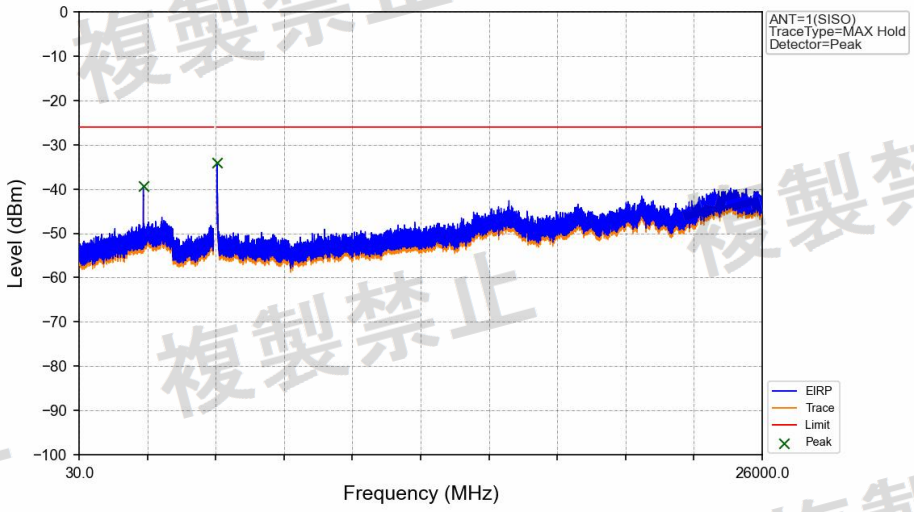


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5141.6	1	1	2473.548	-40.24	/	0.90	-39.34	/	-26.02	Pass
5278.4	26000	1	1	24898.992	-40.81	/	0.90	-39.91	/	-26.02	Pass

802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

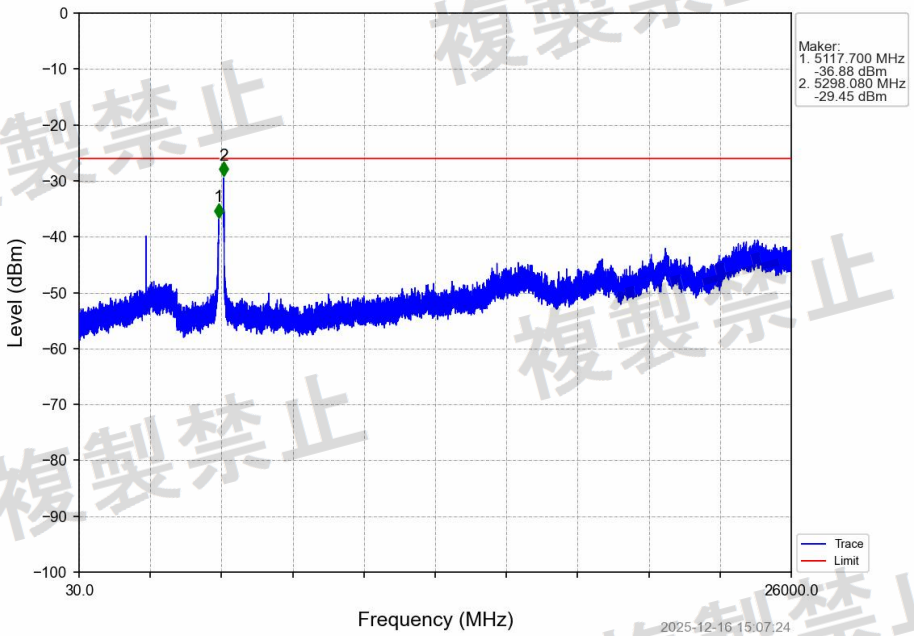


802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

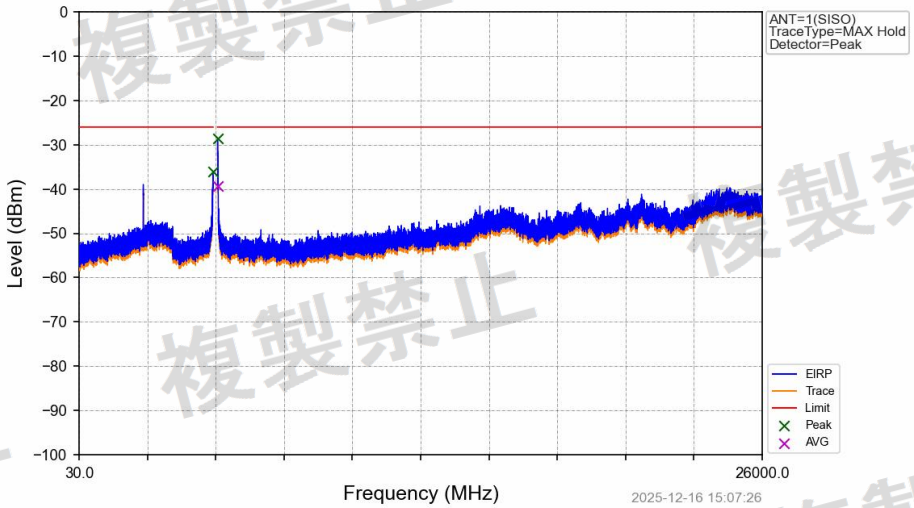


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5141.6	1	1	2473.048	-40.25	/	0.90	-39.35	/	-26.02	Pass
5278.4	26000	1	1	5280.472	-34.97	/	0.90	-34.07	/	-26.02	Pass

802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

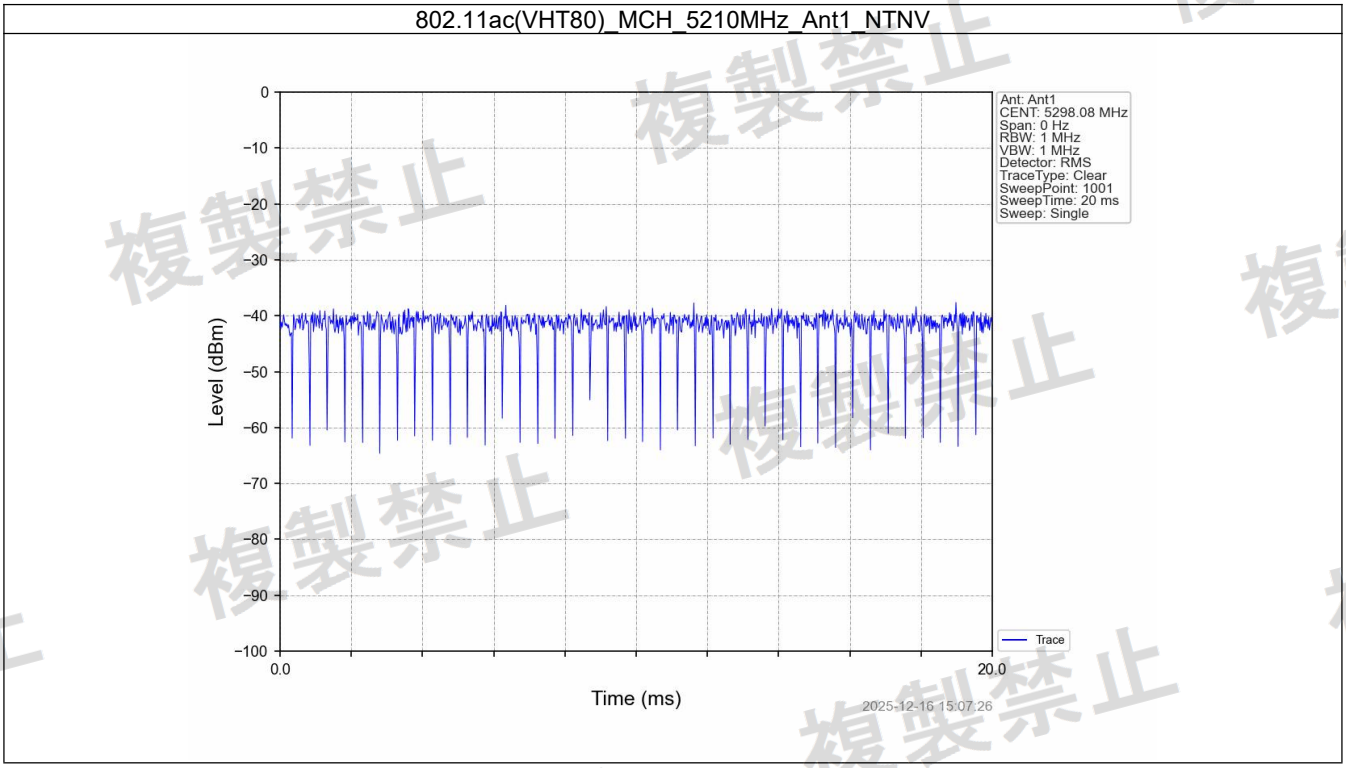


802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5123.2	1	1	5117.700	-36.88	/	0.90	-35.98	/	-26.02	Pass
5296.7	26000	1	1	5298.080	-29.45	-40.30	0.90	-28.55	-39.40	-26.02	Pass

802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



8. Secondary Radiated Emission

8.1 Test Result

8.1.1 RxSe_NTNV_SISO

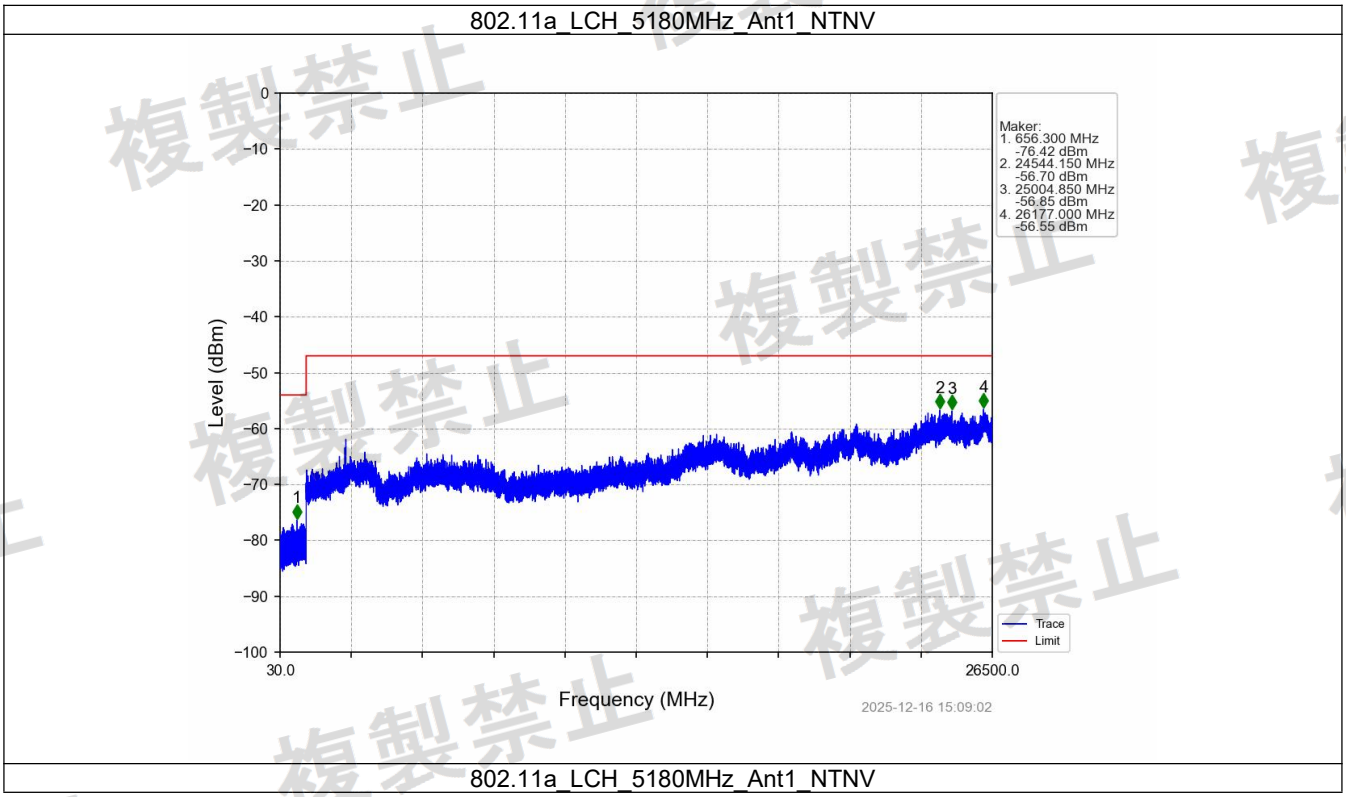
NTNV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (nW)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm)	PK Power (nW)	AV Power (dBm)	AV Power (nW)		
802.11a	SISO	5180	1	30	1000	656.3	-76.42	0.023	/	/	4	Pass
				1000	26500	24544.15	-56.70	2.138	-67.70	0.170	20	Pass
						25004.85	-56.85	2.065	-67.75	0.168	20	Pass
						26177	-56.55	2.213	-66.49	0.224	20	Pass
		5200	1	30	1000	799.45	-76.85	0.021	/	/	4	Pass
				1000	26500	24704.8	-56.88	2.051	-67.16	0.192	20	Pass
						25052.45	-56.59	2.193	-67.93	0.161	20	Pass
						26041.85	-56.92	2.032	-67.94	0.161	20	Pass
						26221.2	-56.93	2.028	-66.37	0.231	20	Pass
						26301.1	-56.56	2.208	-66.88	0.205	20	Pass
		5240	1	30	1000	788.25	-76.58	0.022	/	/	4	Pass
				1000	26500	24694.6	-56.93	2.028	-67.22	0.190	20	Pass
						24769.4	-56.02	2.500	-66.91	0.204	20	Pass
						24879.05	-56.80	2.089	-67.12	0.194	20	Pass
						26102.2	-56.32	2.333	-67.36	0.184	20	Pass
						26225.45	-56.84	2.070	-66.34	0.232	20	Pass
802.11n (HT20)	SISO	5180	1	30	1000	876.15	-76.79	0.021	/	/	4	Pass
				1000	26500	24702.25	-56.42	2.280	-67.21	0.190	20	Pass
						24846.75	-56.73	2.123	-67.15	0.193	20	Pass
						25821.7	-56.75	2.113	-68.09	0.155	20	Pass
						26180.4	-56.79	2.094	-66.59	0.219	20	Pass
						26251.8	-56.63	2.173	-66.46	0.226	20	Pass
		5200	1	30	1000	776.05	-76.84	0.021	/	/	4	Pass
				1000	26500	24816.15	-56.69	2.143	-66.98	0.200	20	Pass
						25355.05	-56.78	2.099	-67.74	0.168	20	Pass
						25754.55	-56.39	2.296	-67.66	0.171	20	Pass
						26078.4	-56.80	2.089	-67.59	0.174	20	Pass
						26273.9	-56.43	2.275	-66.56	0.221	20	Pass
		5240	1	30	1000	783.55	-76.75	0.021	/	/	4	Pass
				1000	26500	24788.1	-56.85	2.065	-66.89	0.205	20	Pass
						25390.75	-56.87	2.056	-67.95	0.160	20	Pass
						25569.25	-56.97	2.009	-68.37	0.146	20	Pass
						26098.8	-56.92	2.032	-67.36	0.184	20	Pass
						26208.45	-55.70	2.692	-66.42	0.228	20	Pass
802.11n (HT40)	SISO	5190	1	30	1000	877	-76.59	0.022	/	/	4	Pass
				1000	26500	26144.7	-56.68	2.148	-66.74	0.212	20	Pass
						26287.5	-55.87	2.588	-66.73	0.212	20	Pass
		5230	1	30	1000	492.05	-76.44	0.023	/	/	4	Pass
				1000	26500	24684.4	-56.38	2.301	-67.33	0.185	20	Pass
						24831.45	-56.66	2.158	-67.06	0.197	20	Pass

						26159.15	-56.24	2.377	-66.71	0.213	20	Pass
802.11ac (VHT20)	SISO	5180	1	30	1000	788.5	-76.78	0.021	/	/	4	Pass
				1000	26500	24707.35	-56.45	2.265	-67.17	0.192	20	Pass
						26246.7	-56.50	2.239	-66.37	0.231	20	Pass
		5200	1	30	1000	895.05	-76.72	0.021	/	/	4	Pass
				1000	26500	24683.55	-56.78	2.099	-67.31	0.186	20	Pass
						24757.5	-56.54	2.218	-66.87	0.206	20	Pass
						26166.8	-56.03	2.495	-66.66	0.216	20	Pass
						26250.1	-55.77	2.649	-66.42	0.228	20	Pass
						26376.75	-56.59	2.193	-67.82	0.165	20	Pass
		5240	1	30	1000	904.65	-76.68	0.021	/	/	4	Pass
				1000	26500	1768.4	-53.24	4.742	-78.11	0.015	20	Pass
						24706.5	-55.99	2.518	-67.15	0.193	20	Pass
						24907.95	-56.32	2.333	-67.35	0.184	20	Pass
						26220.35	-56.20	2.399	-66.36	0.231	20	Pass
						26394.6	-56.62	2.178	-67.90	0.162	20	Pass
802.11ac (VHT40)	SISO	5190	1	30	1000	961.35	-76.83	0.021	/	/	4	Pass
				1000	26500	24766	-56.19	2.404	-66.82	0.208	20	Pass
						25334.65	-56.33	2.328	-67.68	0.171	20	Pass
						25712.05	-55.82	2.618	-67.85	0.164	20	Pass
						26253.5	-55.74	2.667	-66.39	0.230	20	Pass
						26452.4	-55.82	2.618	-67.81	0.166	20	Pass
		5230	1	30	1000	978.2	-76.43	0.023	/	/	4	Pass
				1000	26500	24126.8	-56.23	2.382	-68.07	0.156	20	Pass
						25355.05	-56.89	2.046	-67.71	0.169	20	Pass
						26165.1	-56.89	2.046	-66.71	0.213	20	Pass
						26291.75	-56.20	2.399	-66.70	0.214	20	Pass
						26494.05	-56.61	2.183	-67.44	0.180	20	Pass
802.11ac (VHT80)	SISO	5210	1	30	1000	928.05	-76.37	0.023	/	/	4	Pass
				1000	26500	24226.25	-55.98	2.523	-67.68	0.171	20	Pass
						24573.9	-56.72	2.128	-67.63	0.173	20	Pass
						26291.75	-55.97	2.529	-66.72	0.213	20	Pass

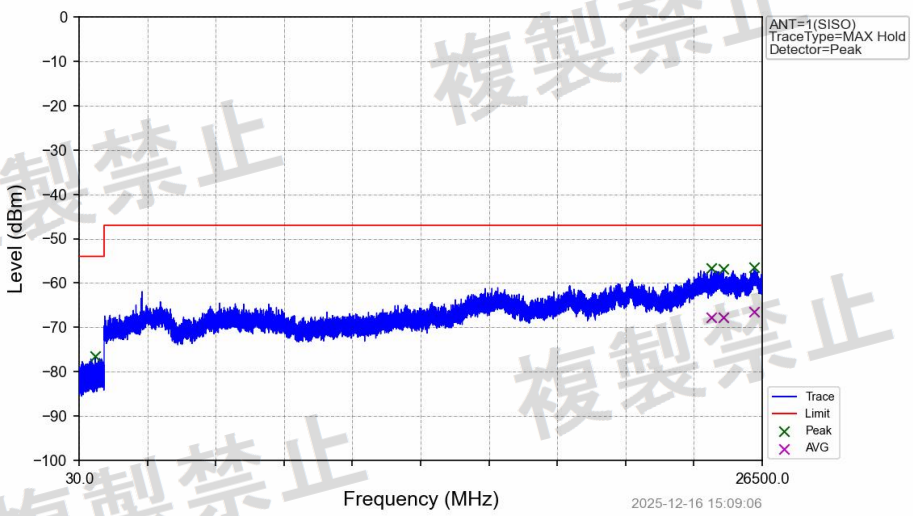
8.2 Test Graph

8.2.1 RxSe_NTNV_SISO

802.11a_LCH_5180MHz_Ant1_NTNV

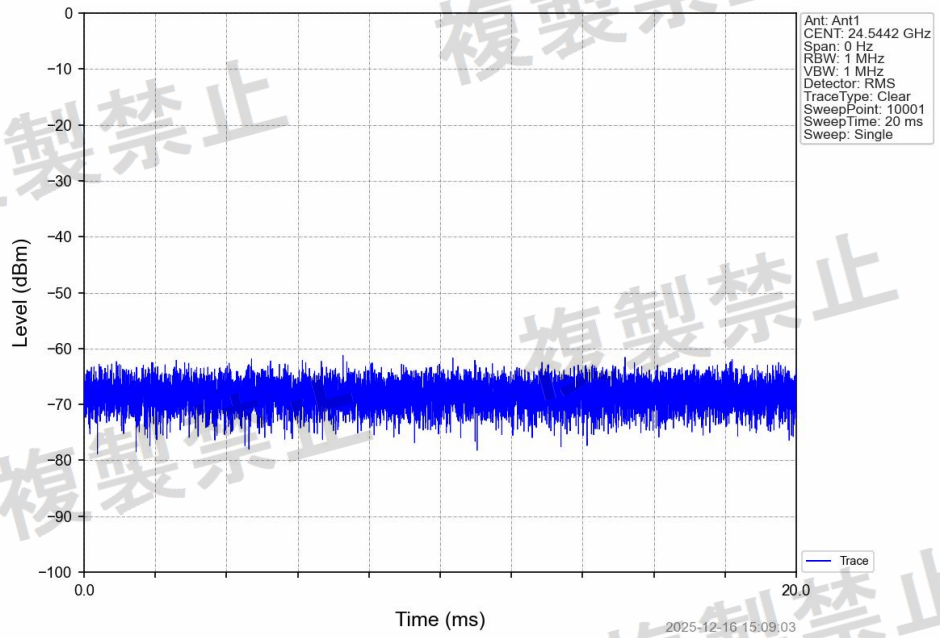


802.11a_LCH_5180MHz_Ant1_NTNV

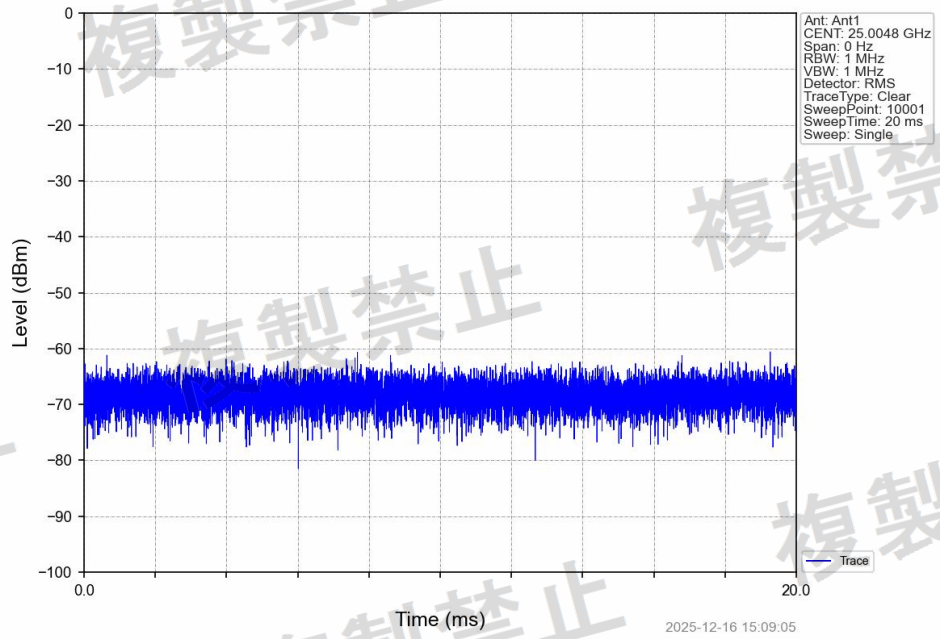


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	656.300	-76.42	/	-54	Pass
1000	26500	1	1	24544.150	-56.70	-67.70	-47	Pass
1000	26500	1	1	25004.850	-56.85	-67.75	-47	Pass
1000	26500	1	1	26177.000	-56.55	-66.49	-47	Pass

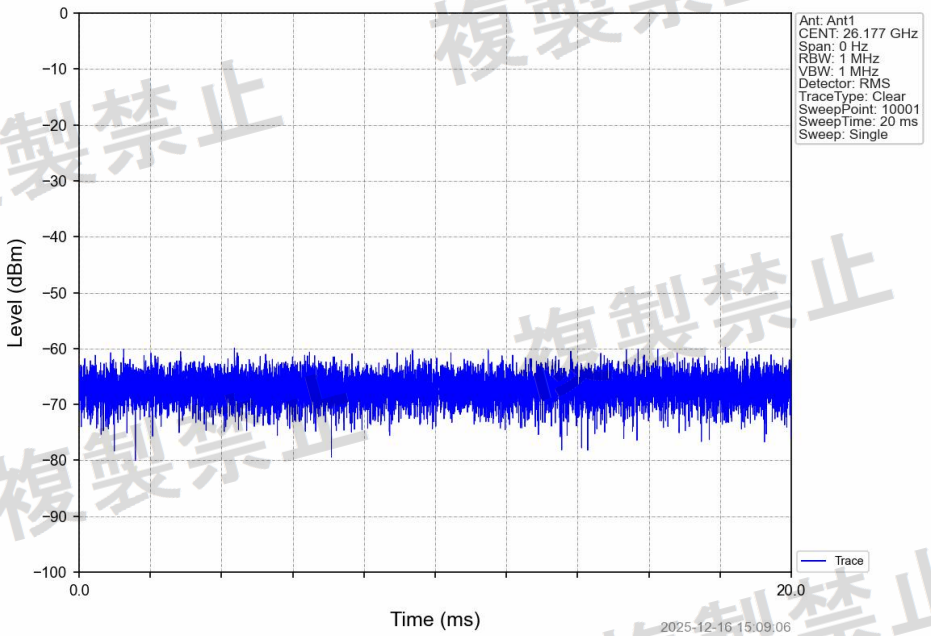
802.11a_LCH_5180MHz_Ant1_NTNV



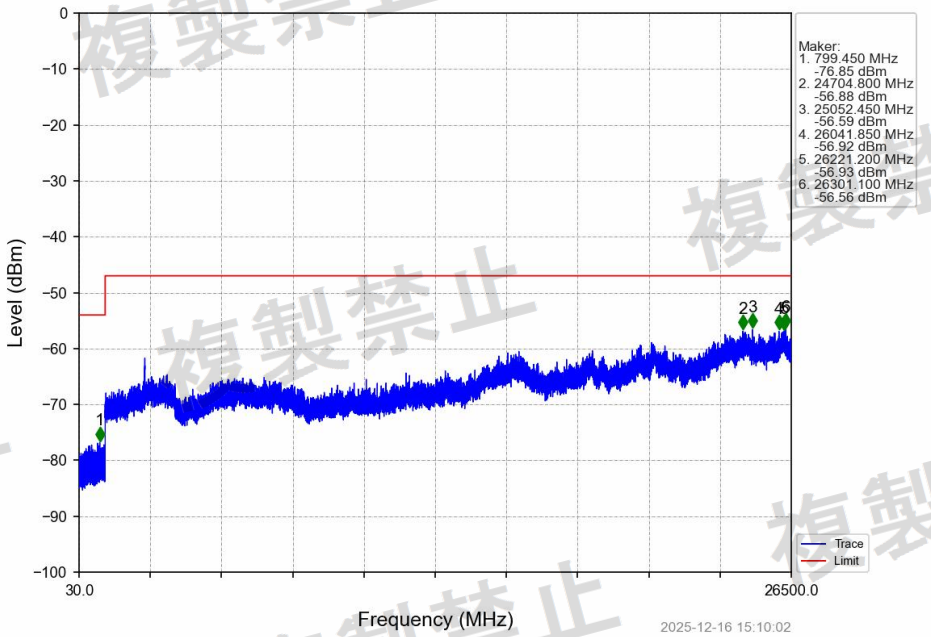
802.11a_LCH_5180MHz_Ant1_NTNV



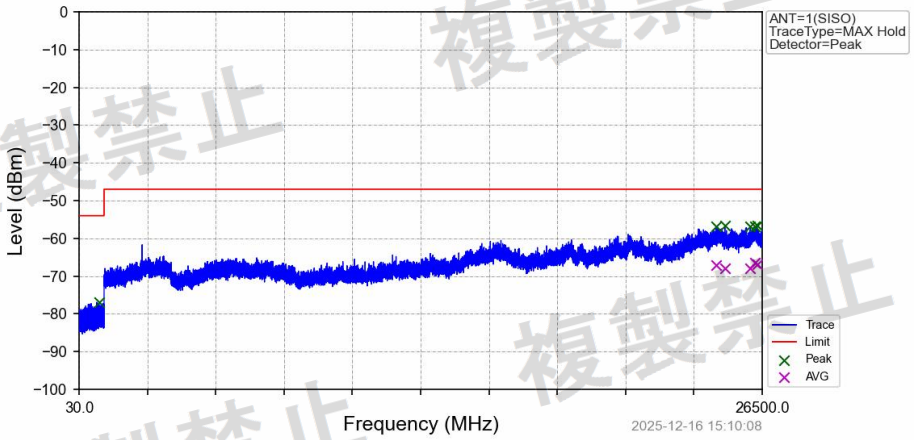
802.11a_LCH_5180MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant1_NTNV

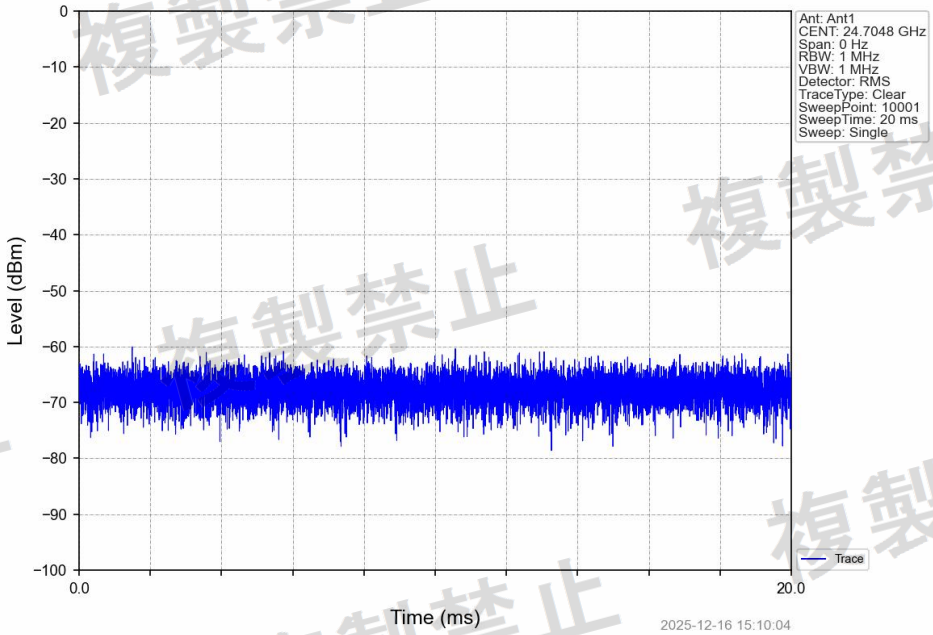


802.11a_MCH_5200MHz_Ant1_NTNV

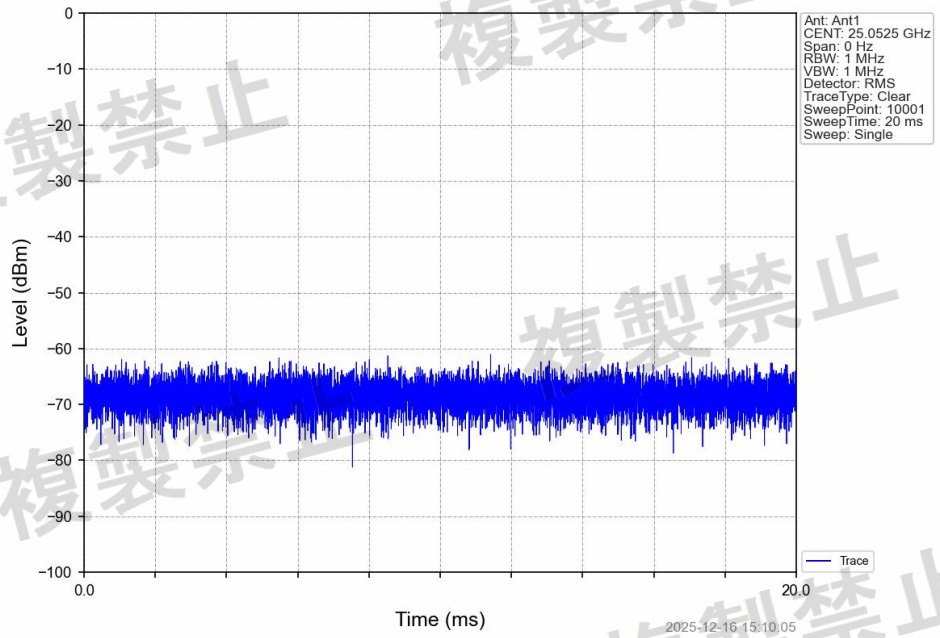


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	799.450	-76.85	/	-54	Pass
1000	26500	1	1	24704.800	-56.88	-67.16	-47	Pass
1000	26500	1	1	25052.450	-56.59	-67.93	-47	Pass
1000	26500	1	1	26041.850	-56.92	-67.94	-47	Pass
1000	26500	1	1	26221.200	-56.93	-66.37	-47	Pass
1000	26500	1	1	26301.100	-56.56	-66.88	-47	Pass

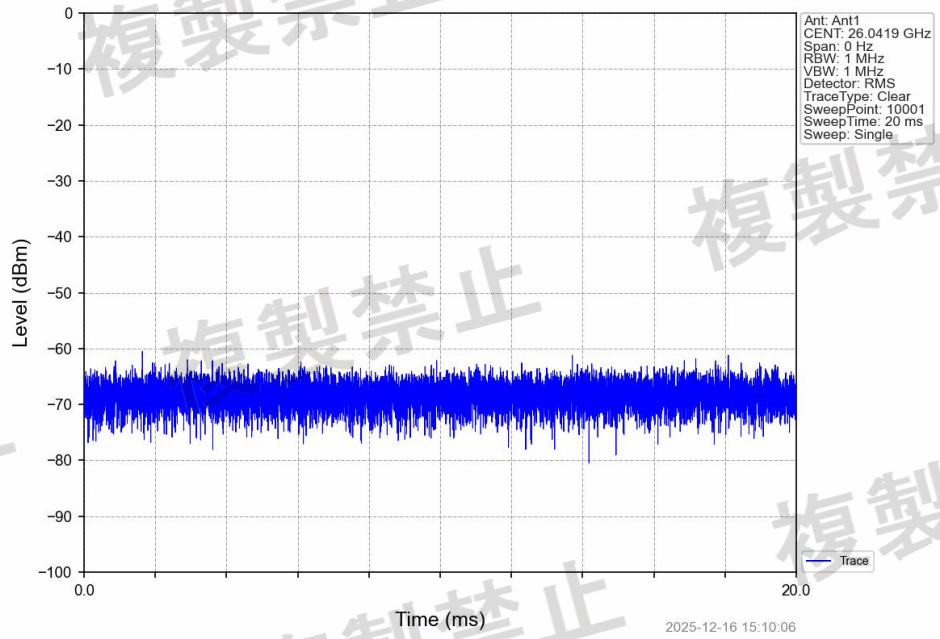
802.11a_MCH_5200MHz_Ant1_NTNV



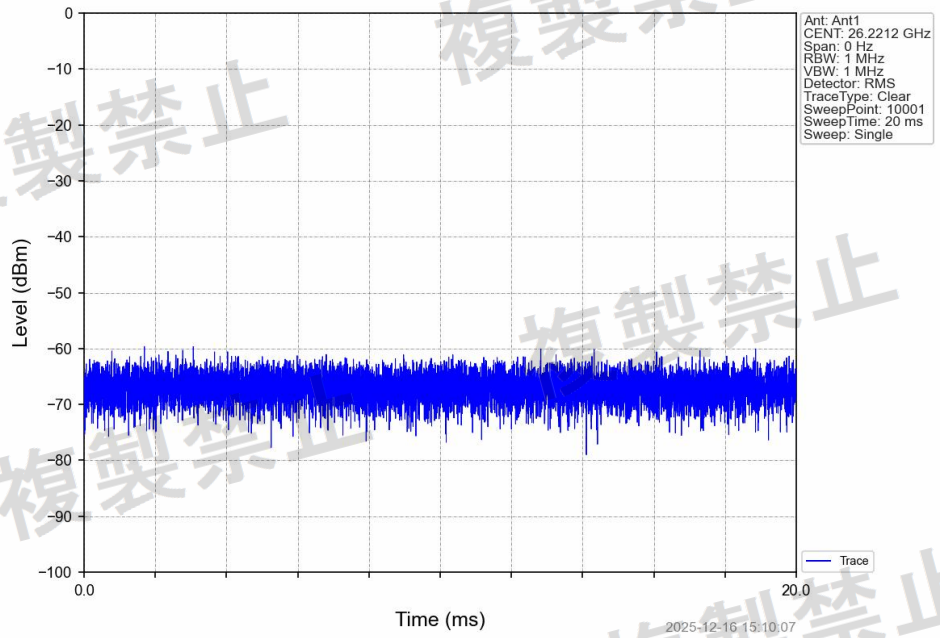
802.11a_MCH_5200MHz_Ant1_NTNV



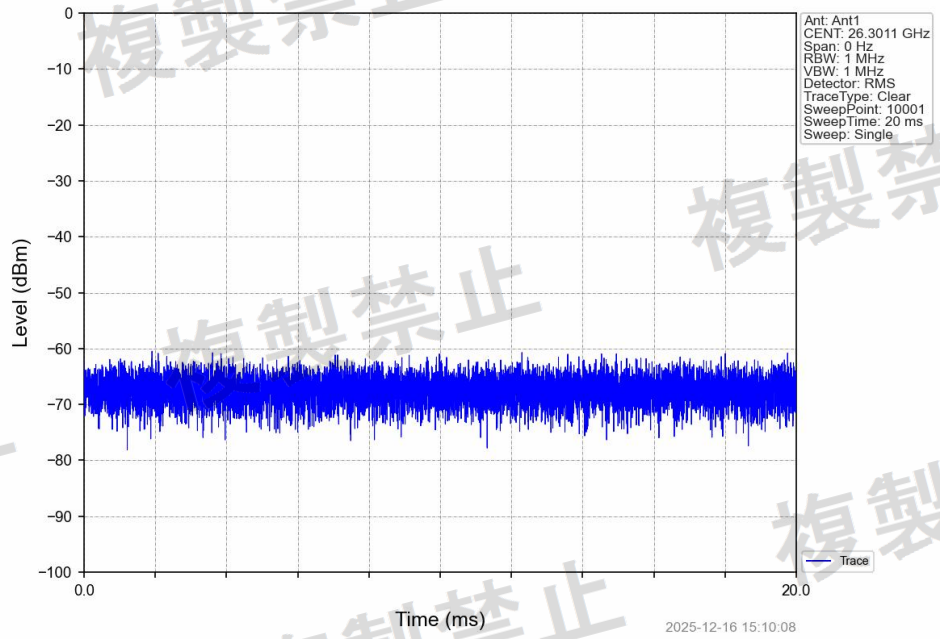
802.11a_MCH_5200MHz_Ant1_NTNV



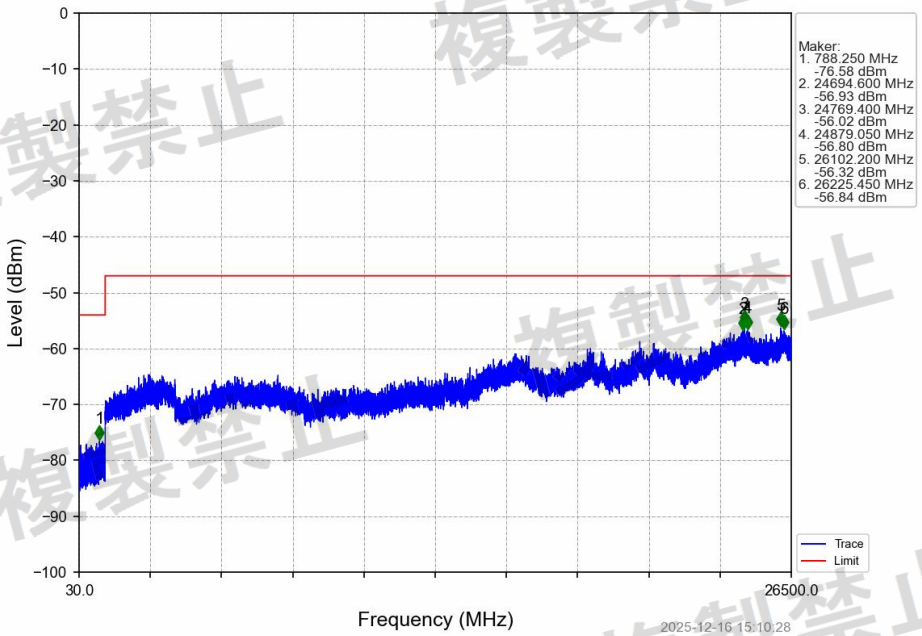
802.11a_MCH_5200MHz_Ant1_NTNV



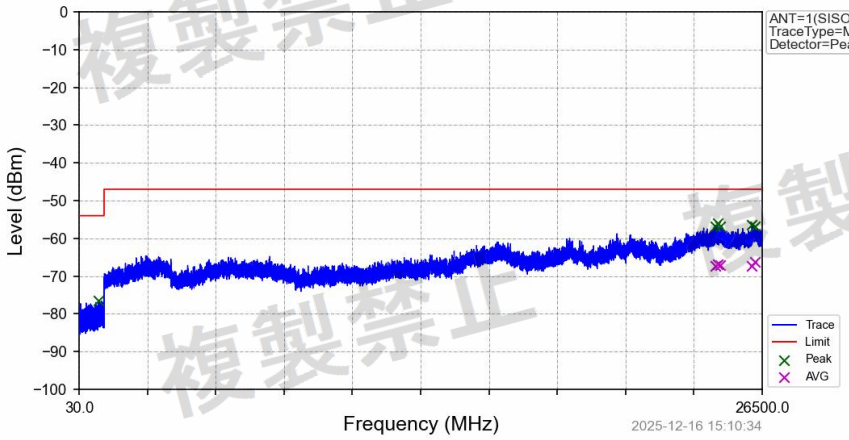
802.11a_MCH_5200MHz_Ant1_NTNV



802.11a_HCH_5240MHz_Ant1_NTNV

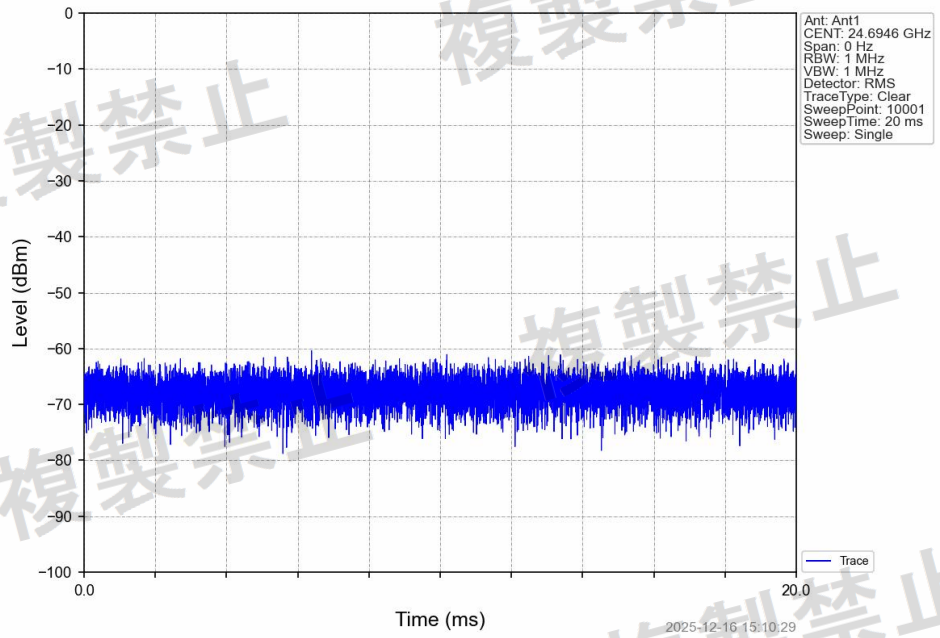


802.11a_HCH_5240MHz_Ant1_NTNV

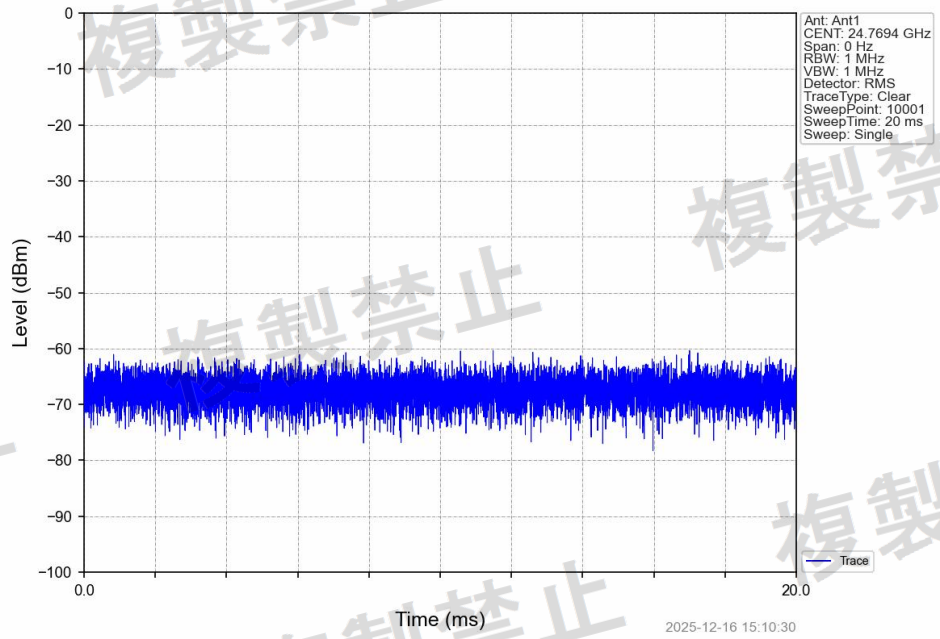


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	788.250	-76.58	/	-54	Pass
1000	26500	1	1	24694.600	-56.93	-67.22	-47	Pass
1000	26500	1	1	24769.400	-56.02	-66.91	-47	Pass
1000	26500	1	1	24879.050	-56.80	-67.12	-47	Pass
1000	26500	1	1	26102.200	-56.32	-67.36	-47	Pass
1000	26500	1	1	26225.450	-56.84	-66.34	-47	Pass

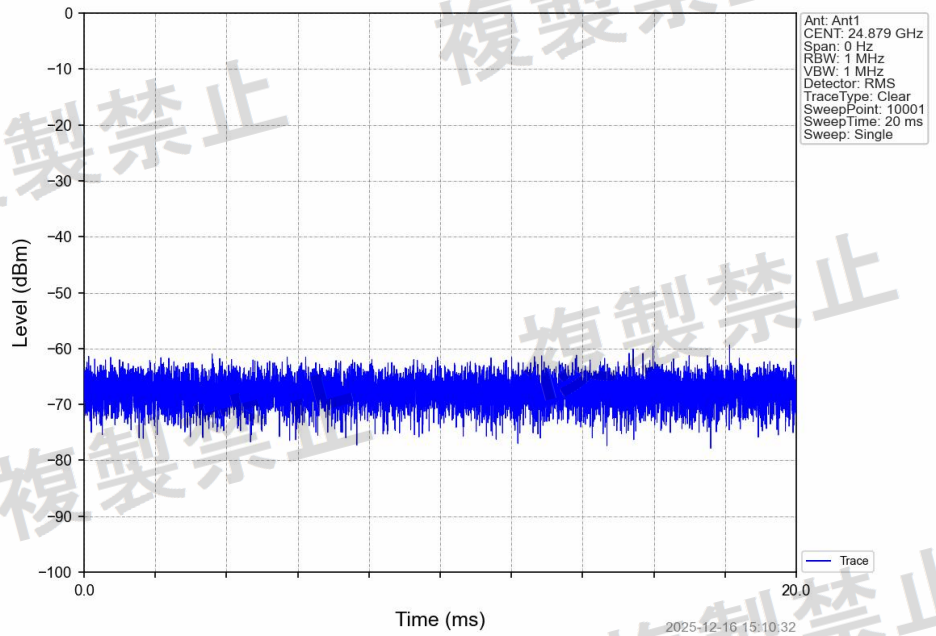
802.11a_HCH_5240MHz_Ant1_NTNV



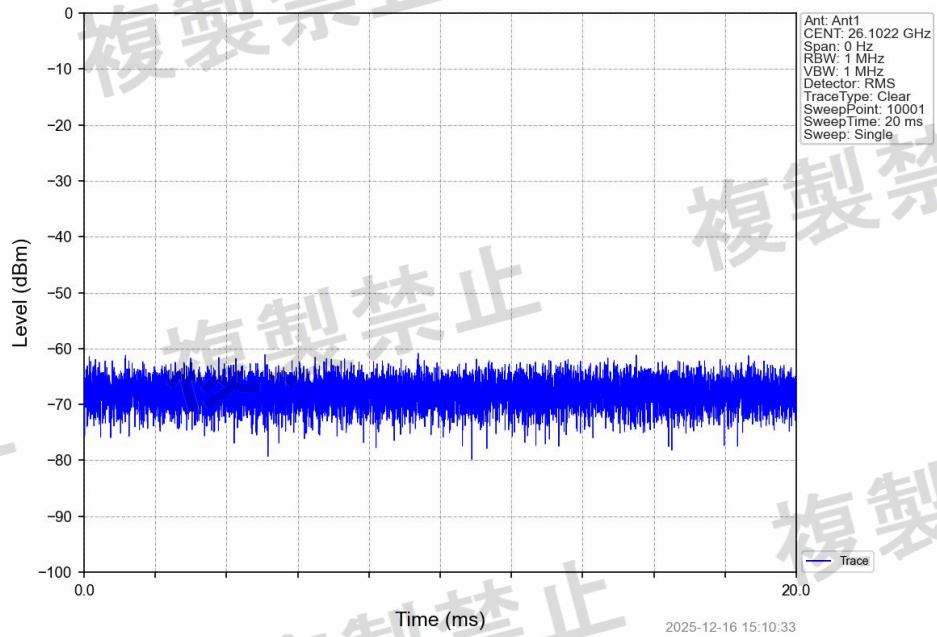
802.11a_HCH_5240MHz_Ant1_NTNV



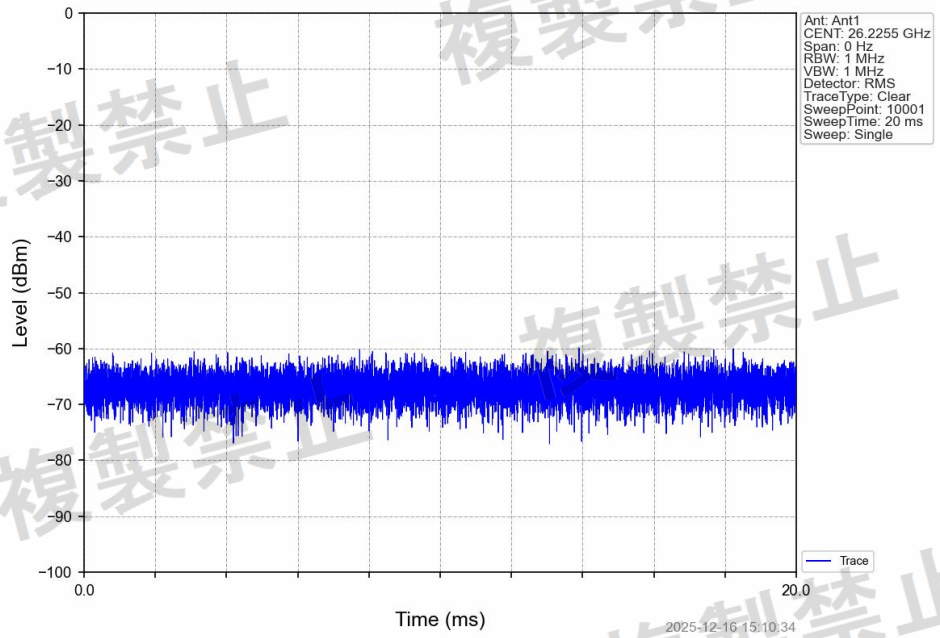
802.11a_HCH_5240MHz_Ant1_NTNV



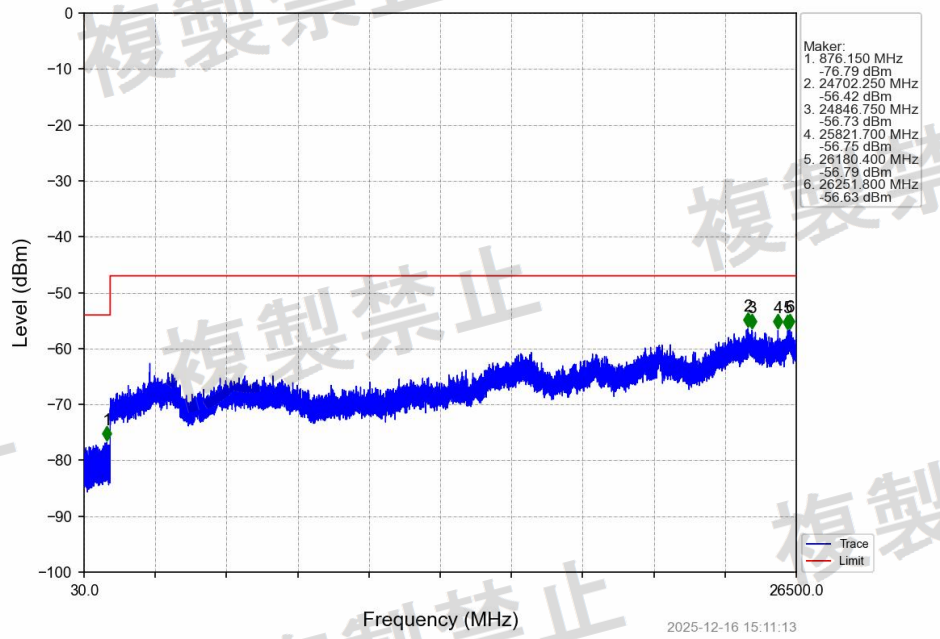
802.11a_HCH_5240MHz_Ant1_NTNV



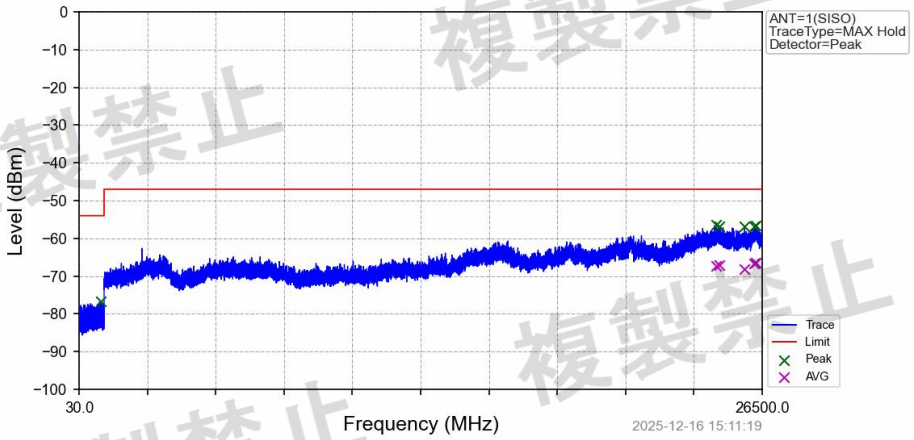
802.11a_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

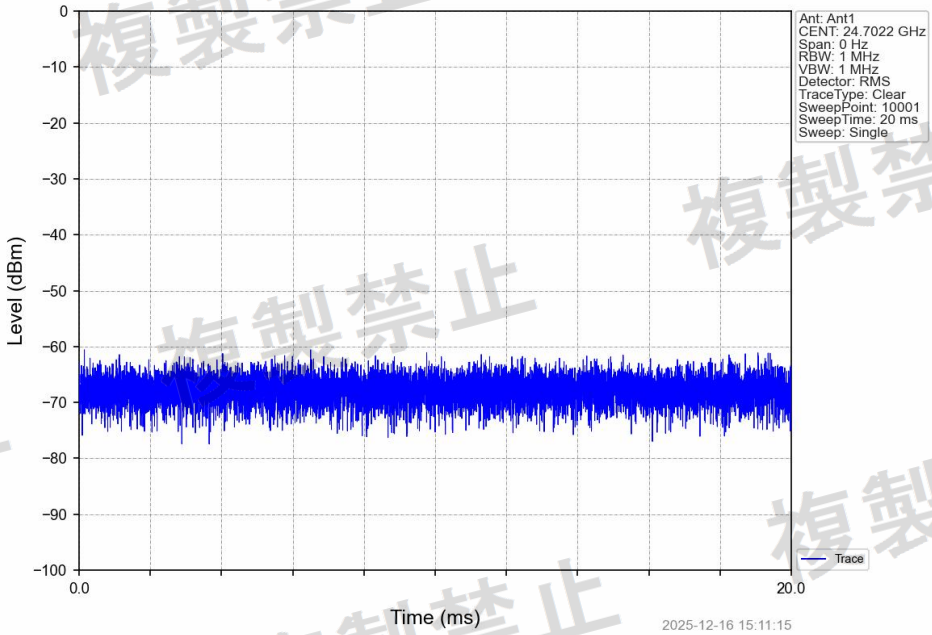


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

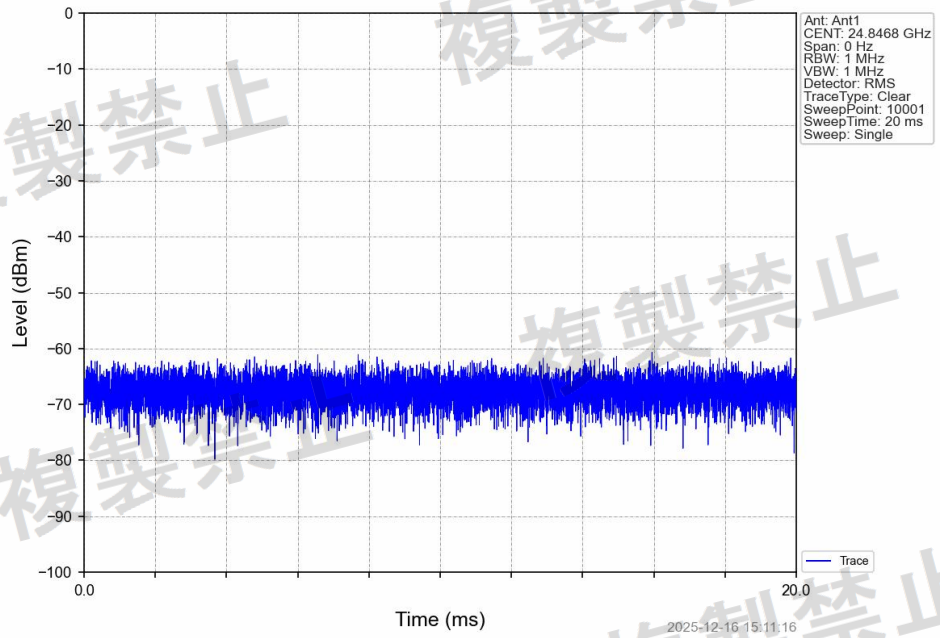


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	876.150	-76.79	/	-54	Pass
1000	26500	1	1	24702.250	-56.42	-67.21	-47	Pass
1000	26500	1	1	24846.750	-56.73	-67.15	-47	Pass
1000	26500	1	1	25821.700	-56.75	-68.09	-47	Pass
1000	26500	1	1	26180.400	-56.79	-66.59	-47	Pass
1000	26500	1	1	26251.800	-56.63	-66.46	-47	Pass

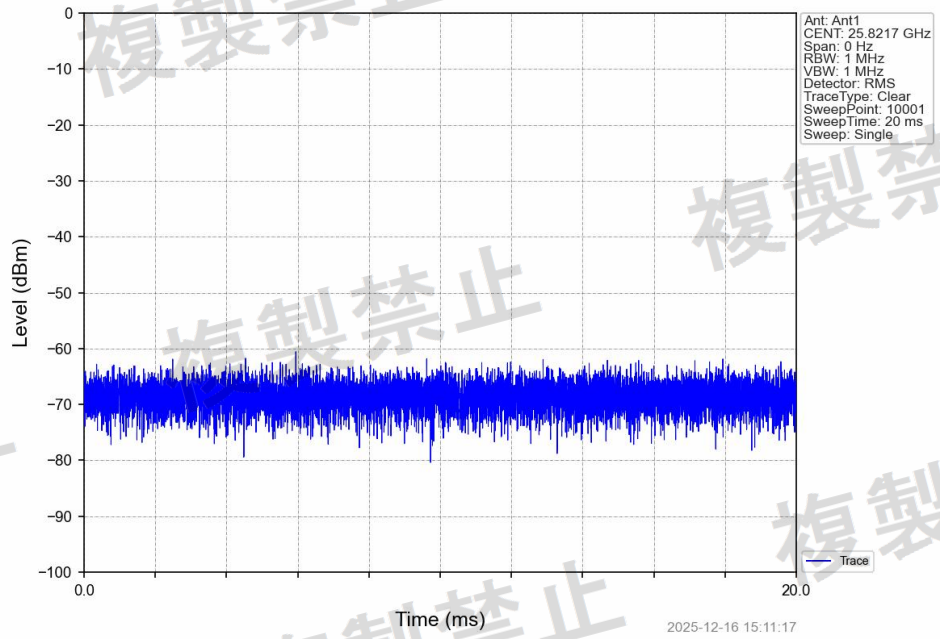
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



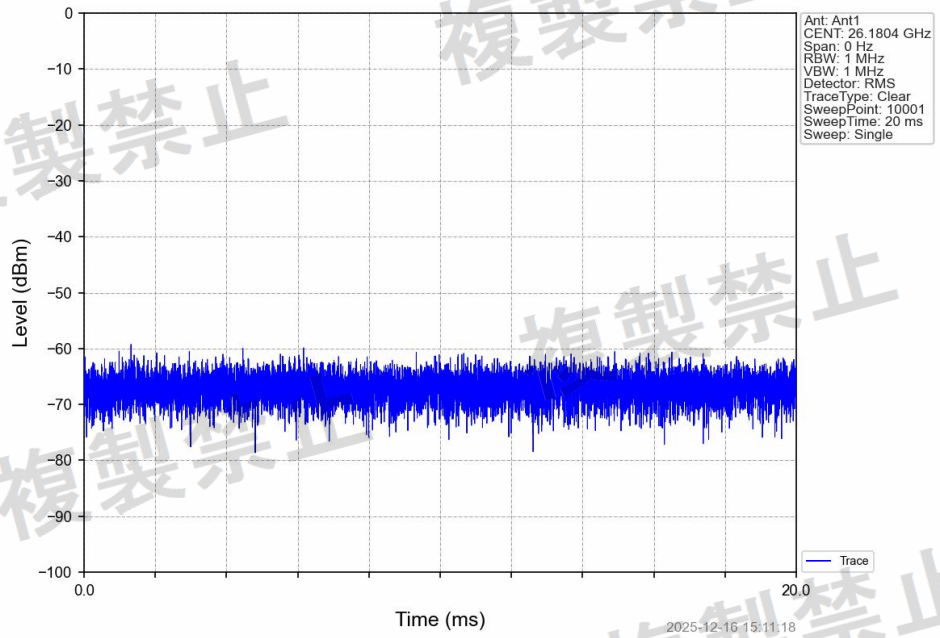
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



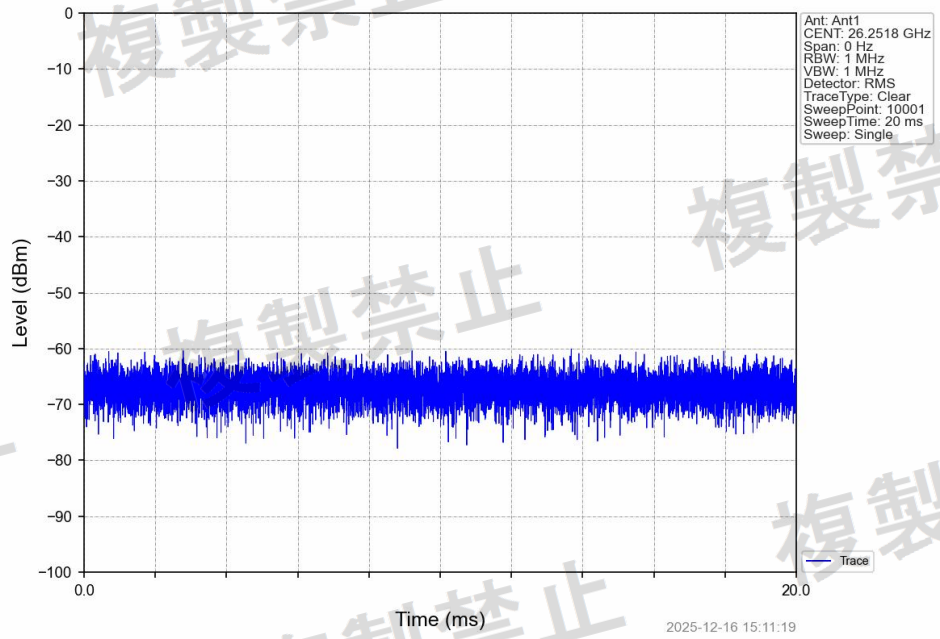
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



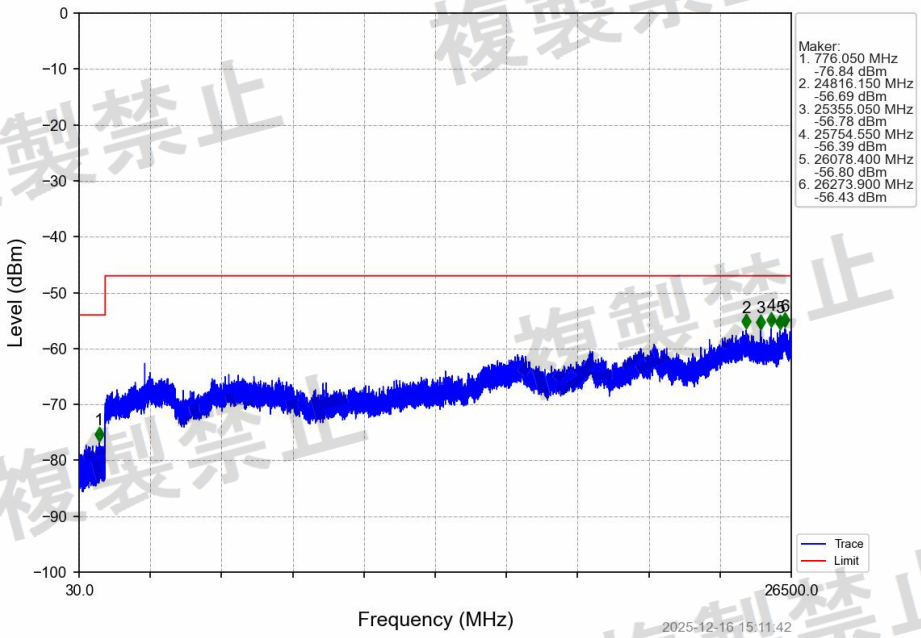
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



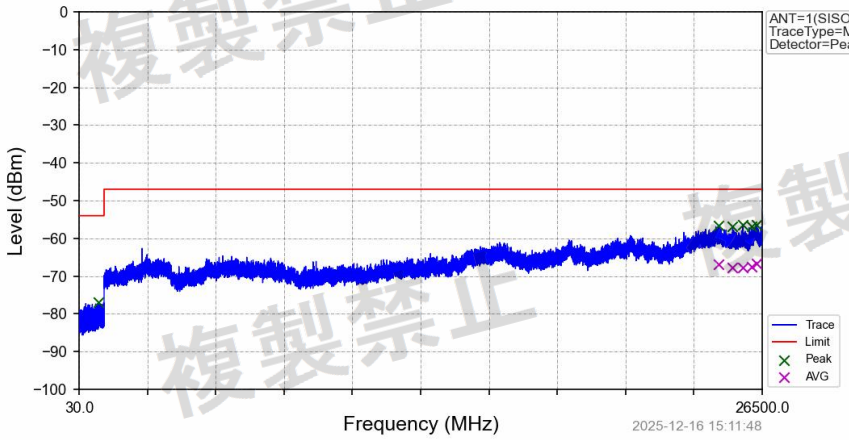
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

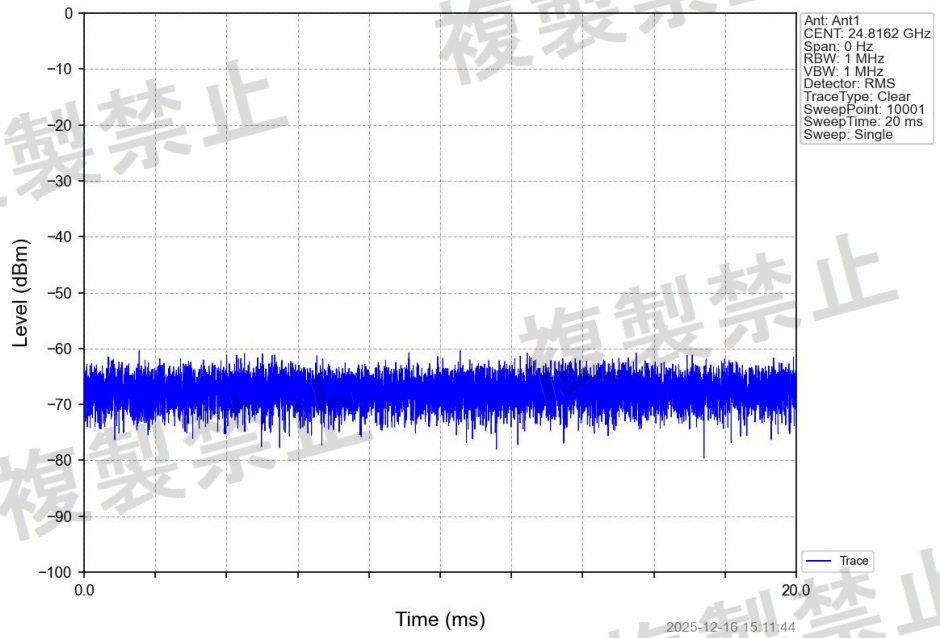


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

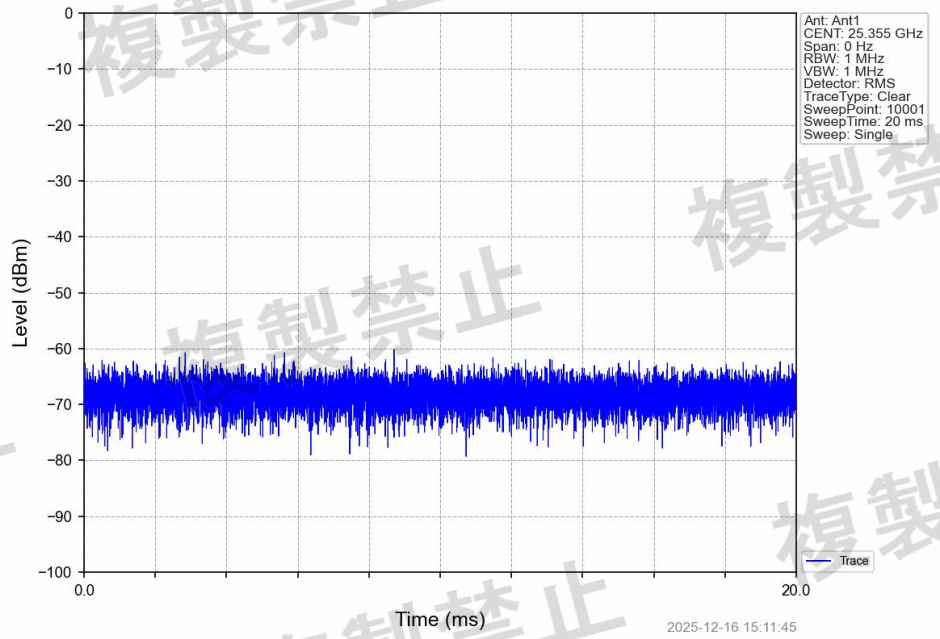


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	776.050	-76.84	/	-54	Pass
1000	26500	1	1	24816.150	-56.69	-66.98	-47	Pass
1000	26500	1	1	25355.050	-56.78	-67.74	-47	Pass
1000	26500	1	1	25754.550	-56.39	-67.66	-47	Pass
1000	26500	1	1	26078.400	-56.80	-67.59	-47	Pass
1000	26500	1	1	26273.900	-56.43	-66.56	-47	Pass

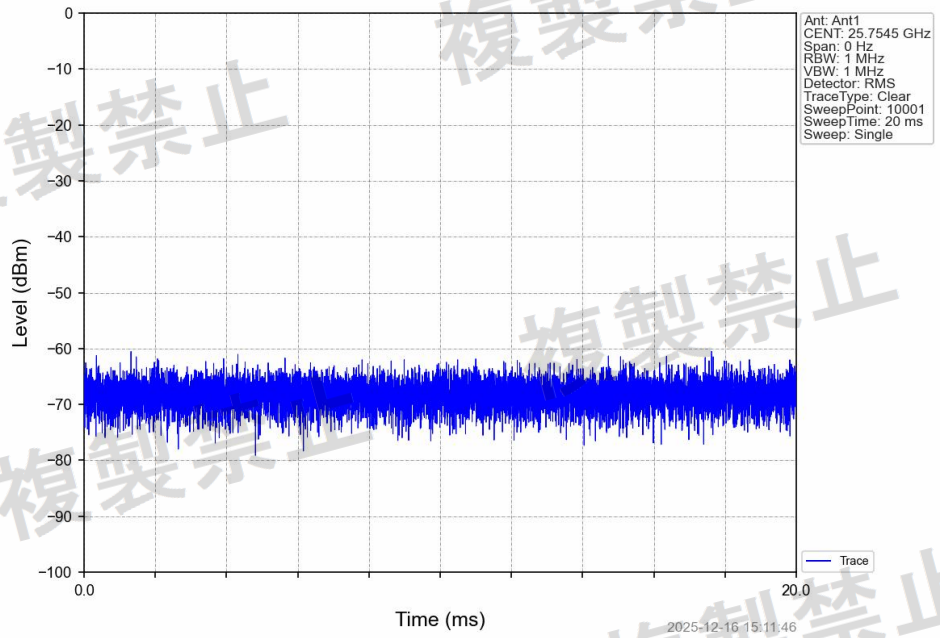
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



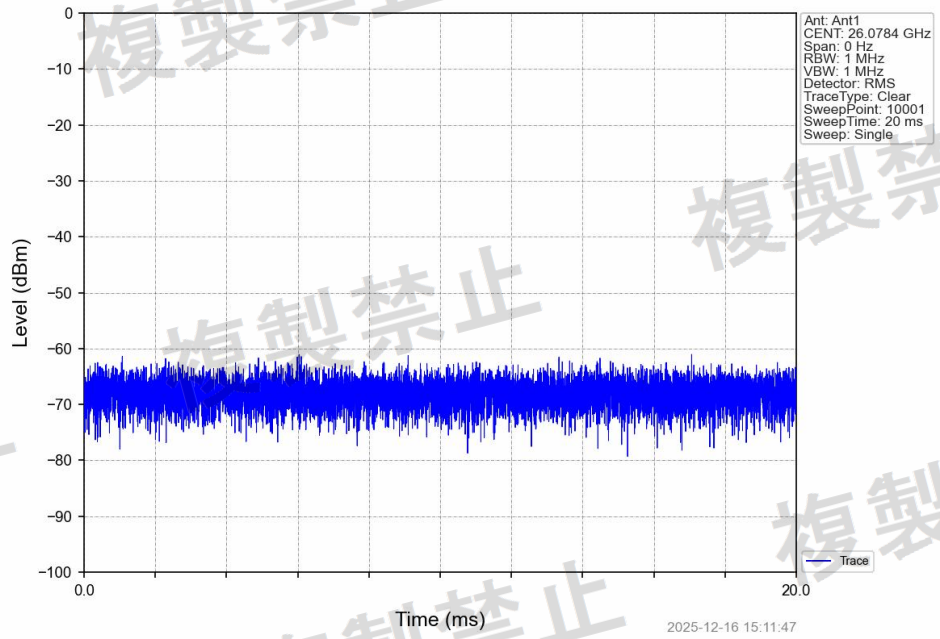
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



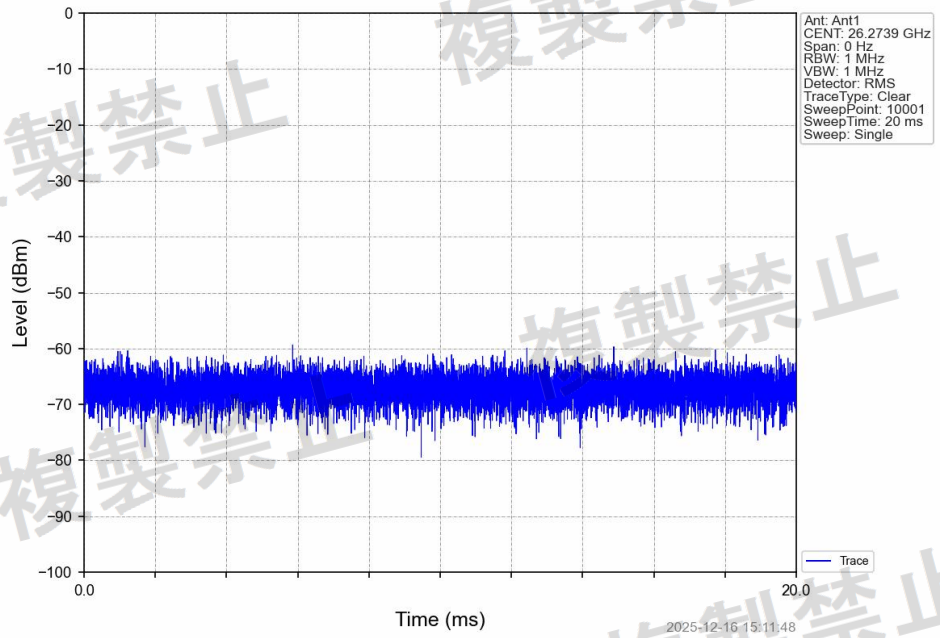
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



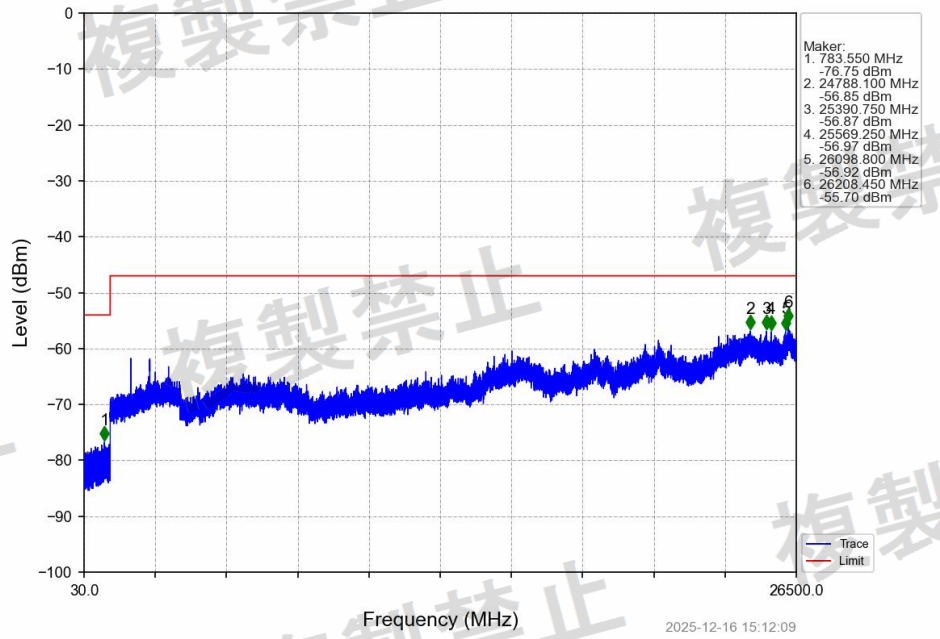
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



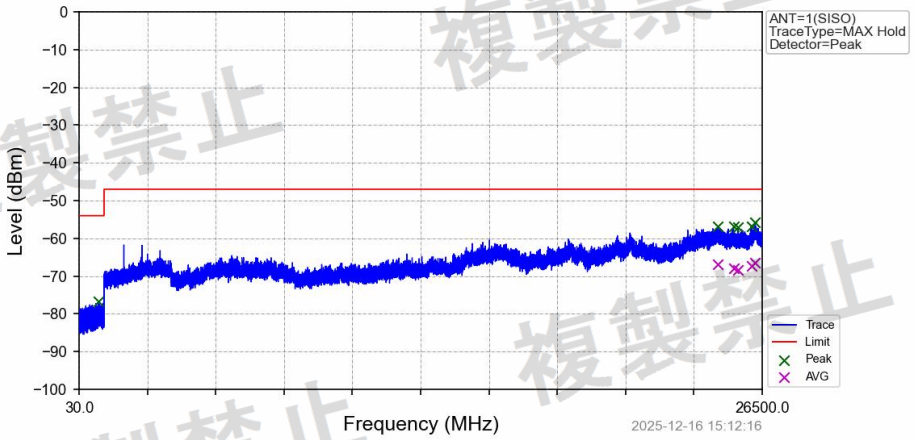
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

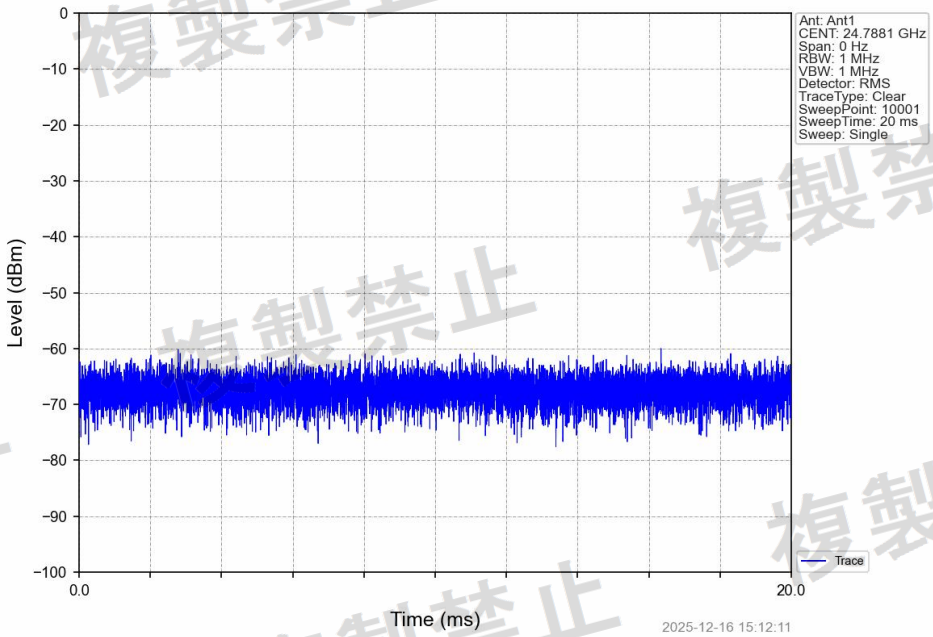


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

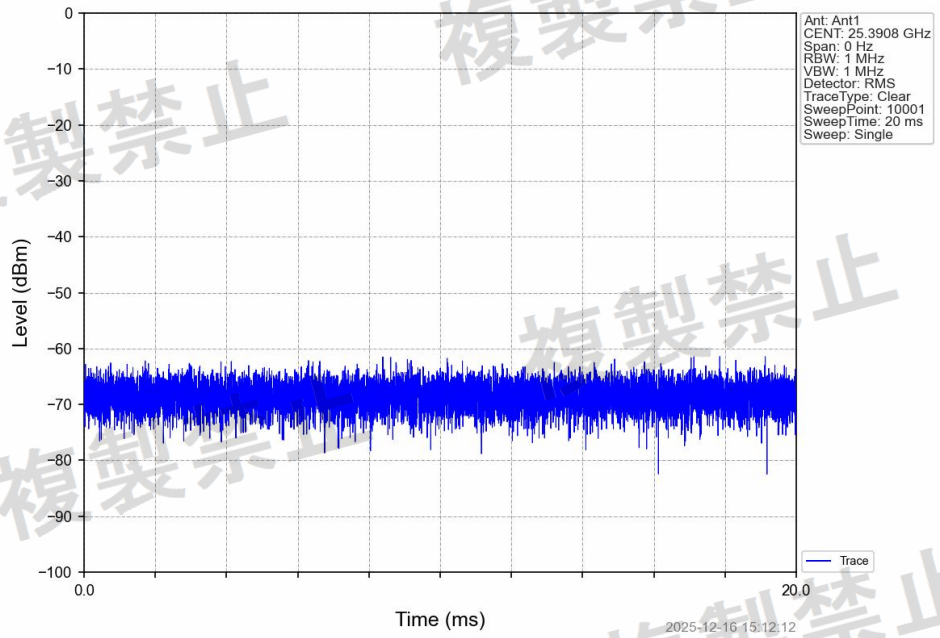


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	783.550	-76.75	/	-54	Pass
1000	26500	1	1	24788.100	-56.85	-66.89	-47	Pass
1000	26500	1	1	25390.750	-56.87	-67.95	-47	Pass
1000	26500	1	1	25569.250	-56.97	-68.37	-47	Pass
1000	26500	1	1	26098.800	-56.92	-67.36	-47	Pass
1000	26500	1	1	26208.450	-55.70	-66.42	-47	Pass

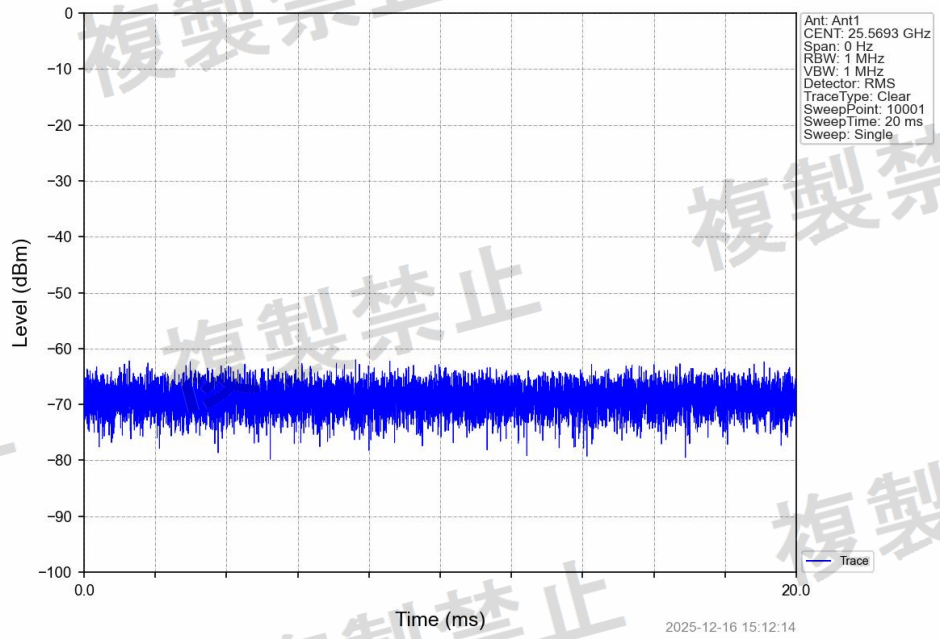
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



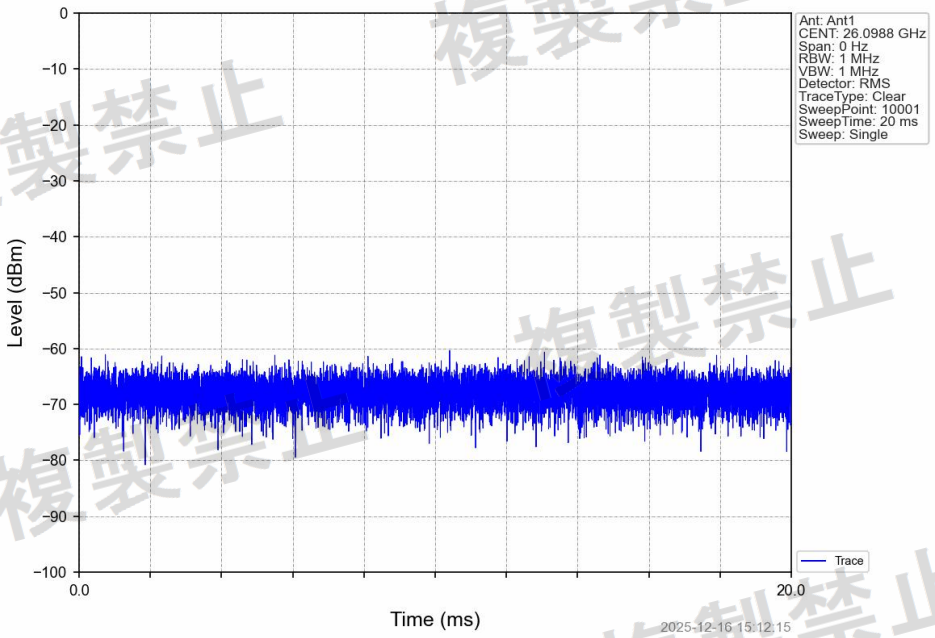
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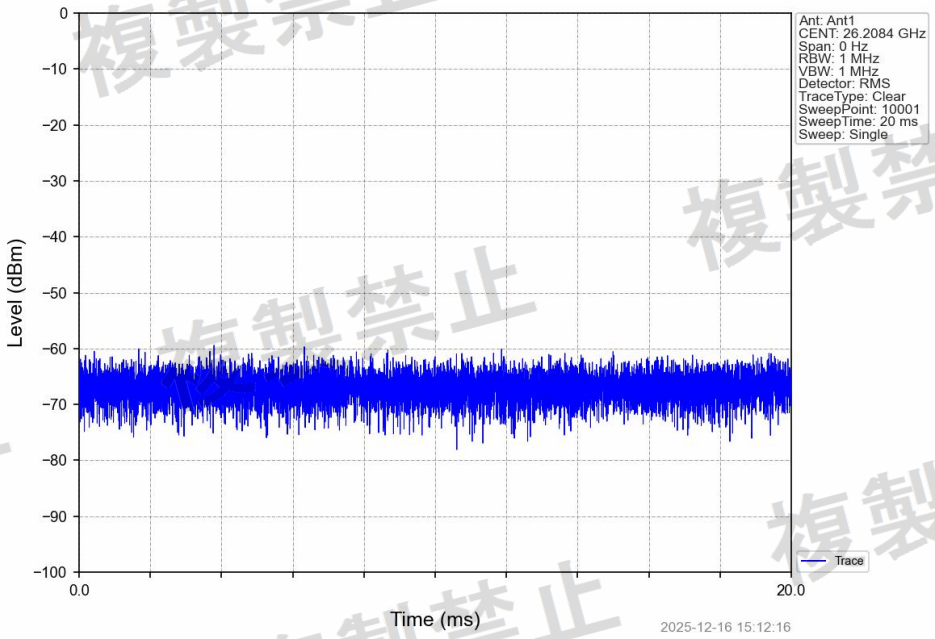
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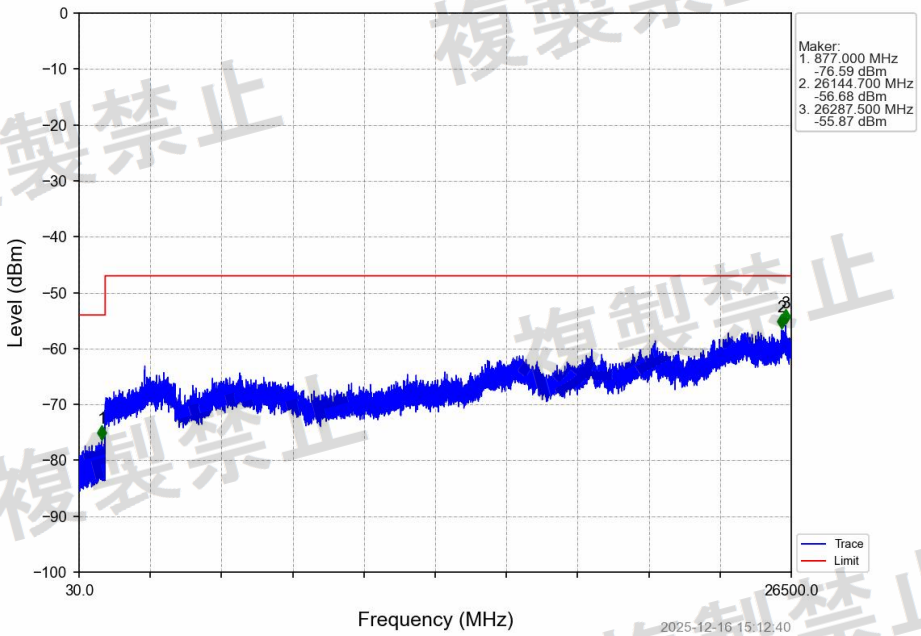
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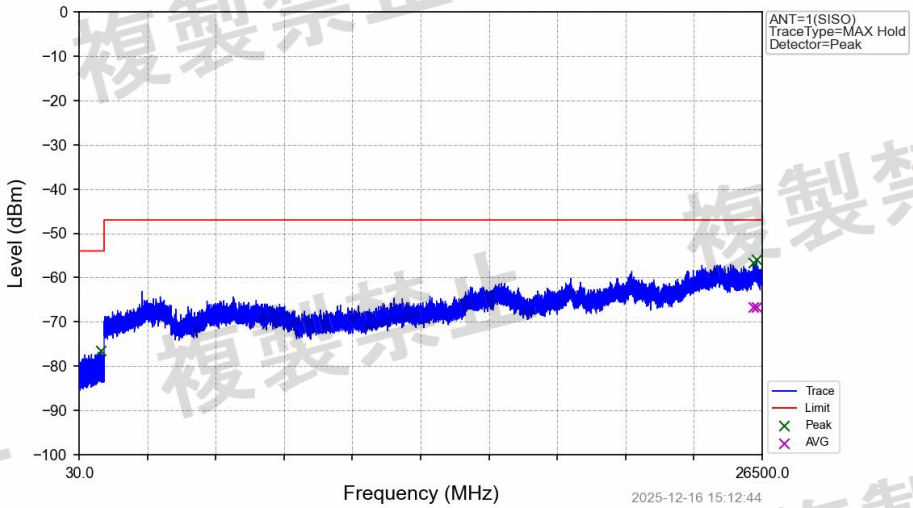
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

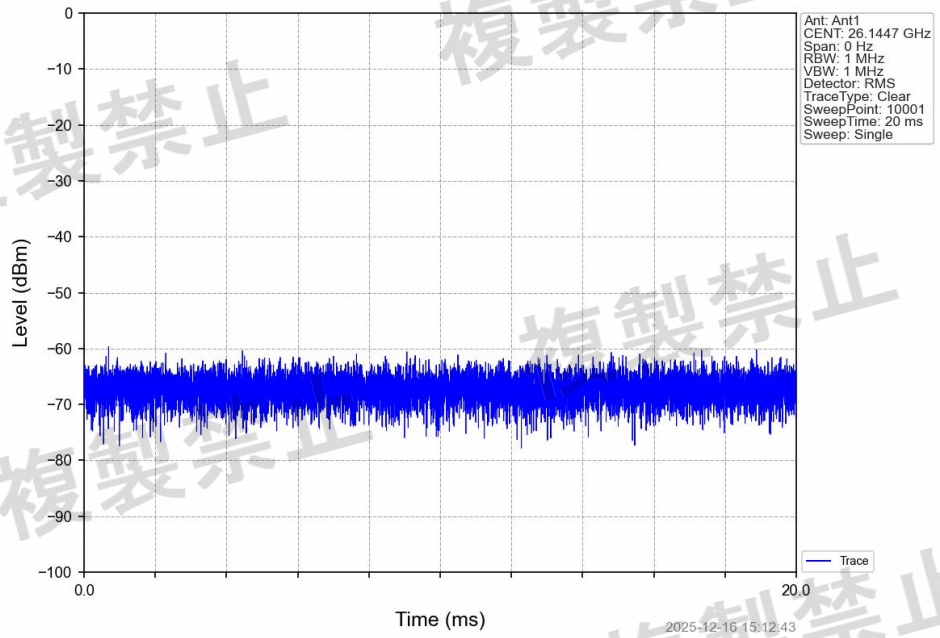


802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

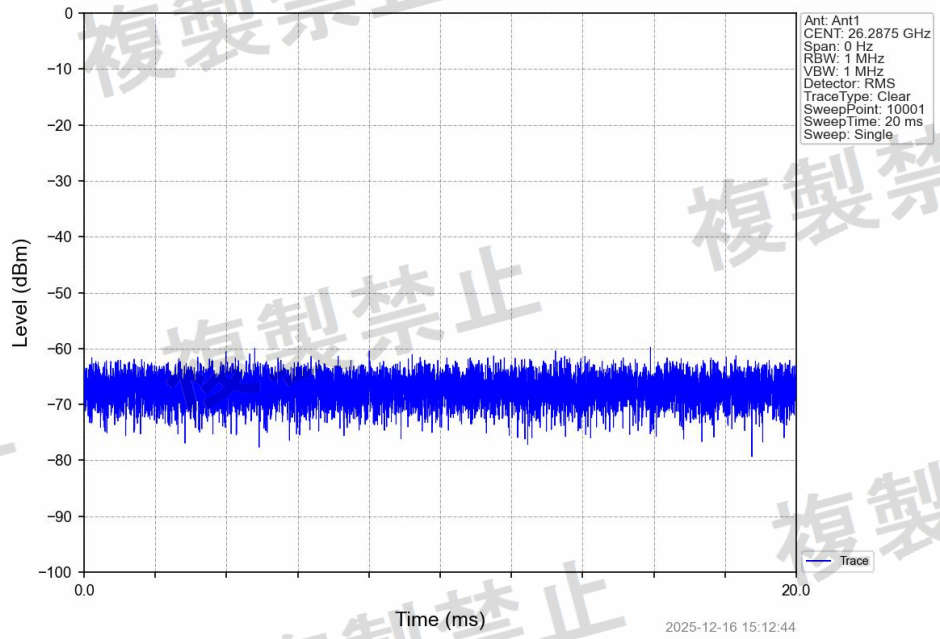


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	877.000	-76.59	/	-54	Pass
1000	26500	1	1	26144.700	-56.68	-66.74	-47	Pass
1000	26500	1	1	26287.500	-55.87	-66.73	-47	Pass

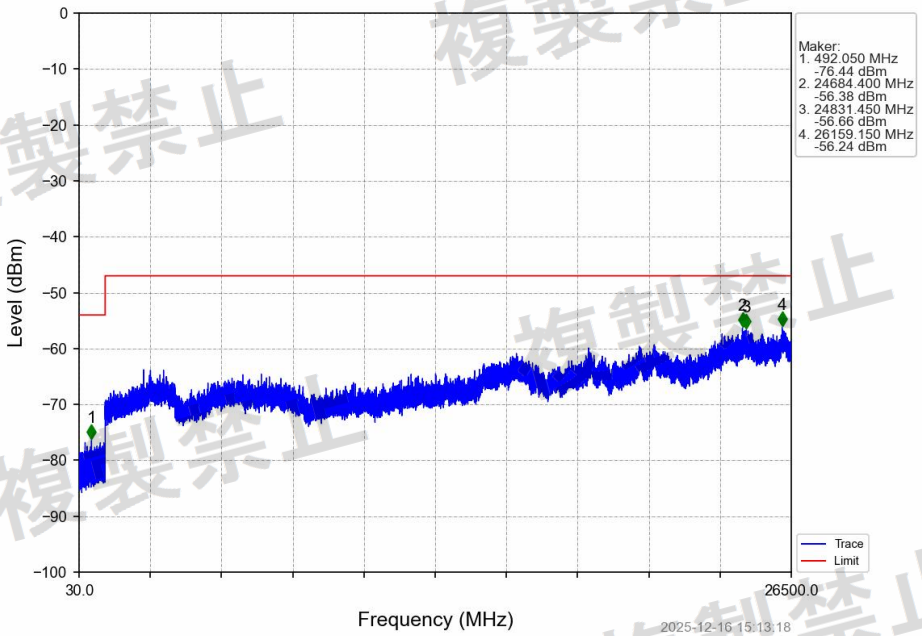
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



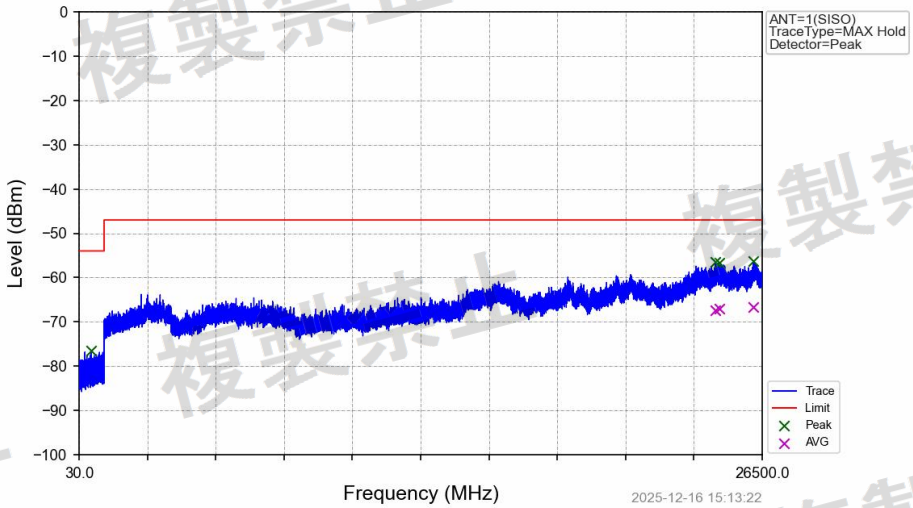
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

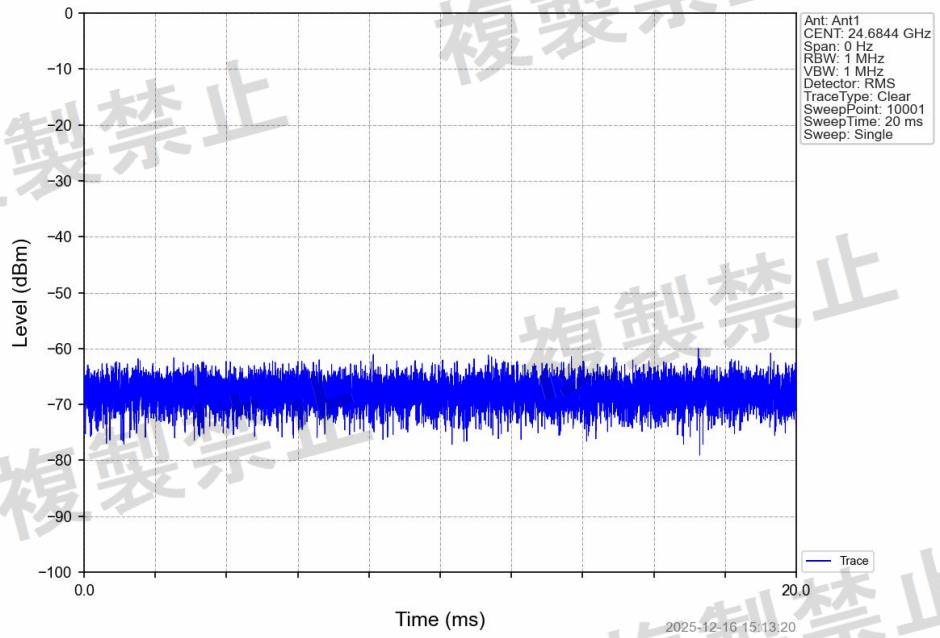


802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

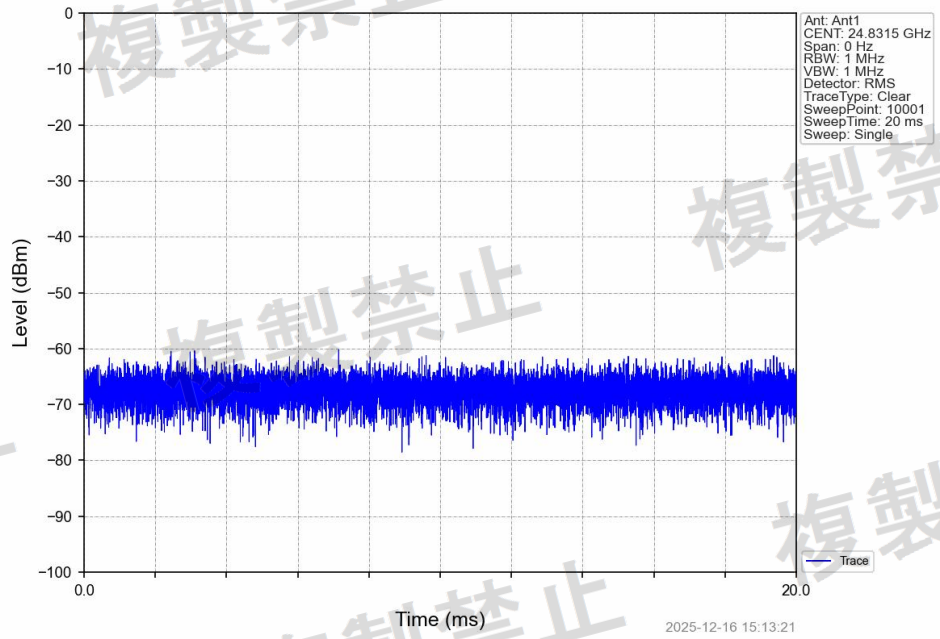


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	492.050	-76.44	/	-54	Pass
1000	26500	1	1	24684.400	-56.38	-67.33	-47	Pass
1000	26500	1	1	24831.450	-56.66	-67.06	-47	Pass
1000	26500	1	1	26159.150	-56.24	-66.71	-47	Pass

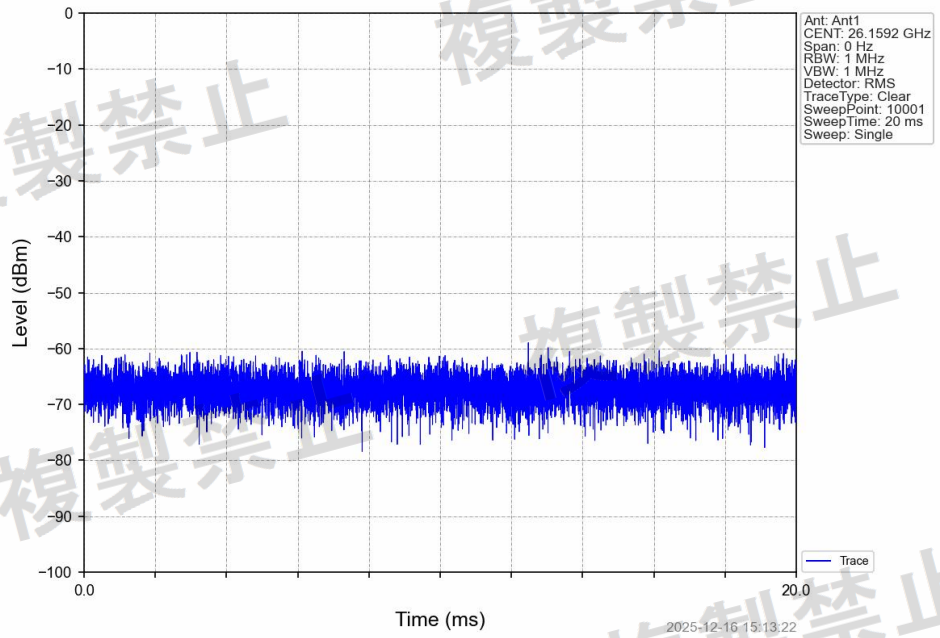
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



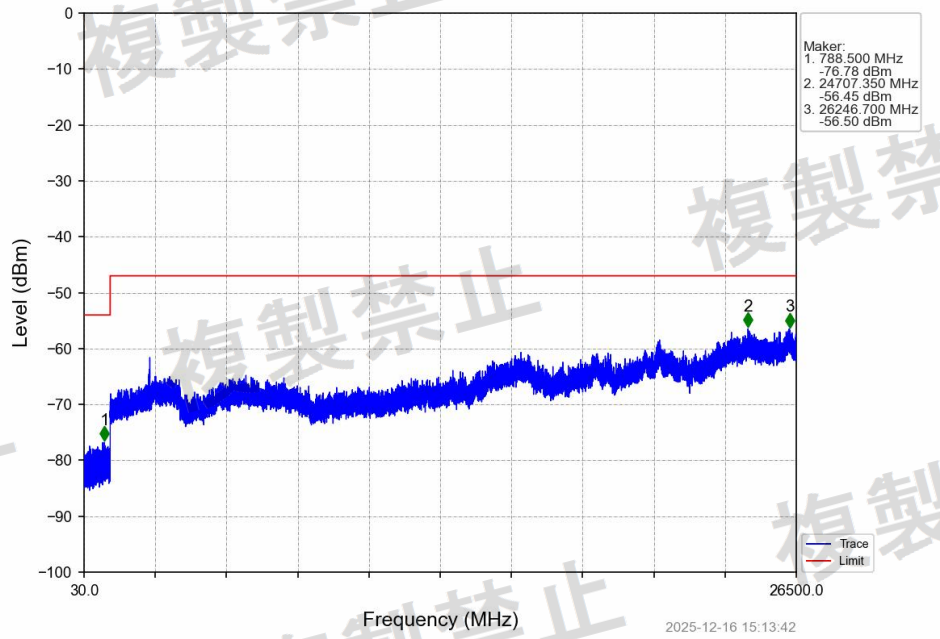
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



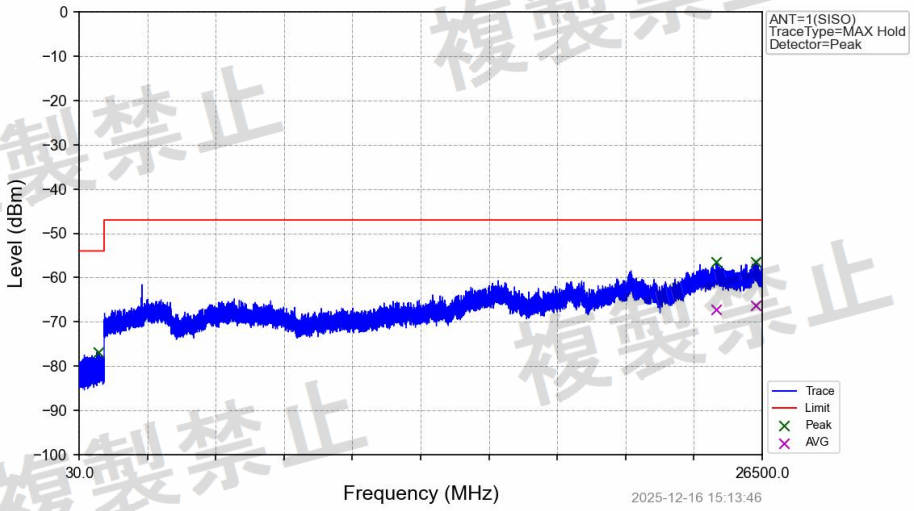
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

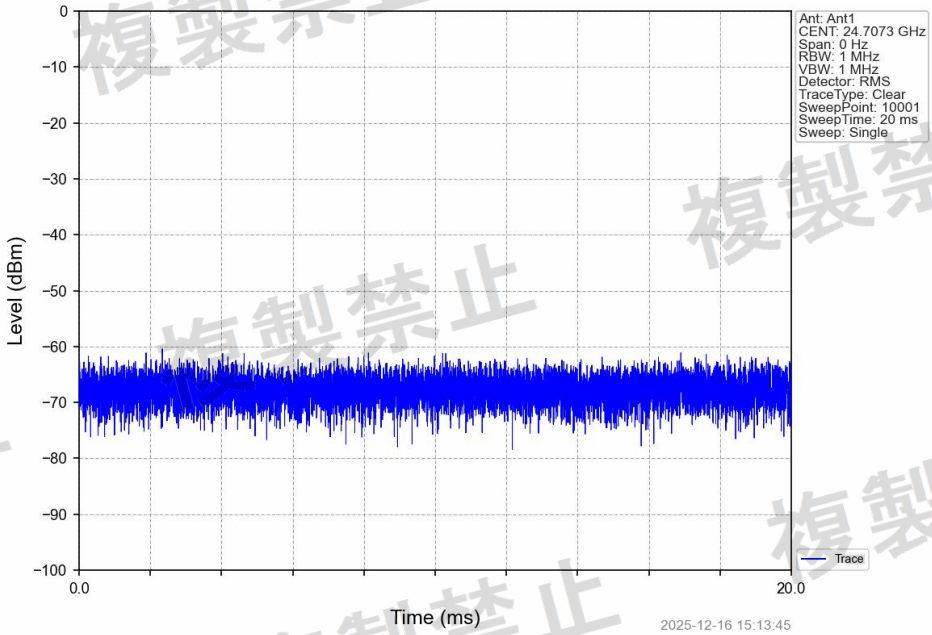


802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

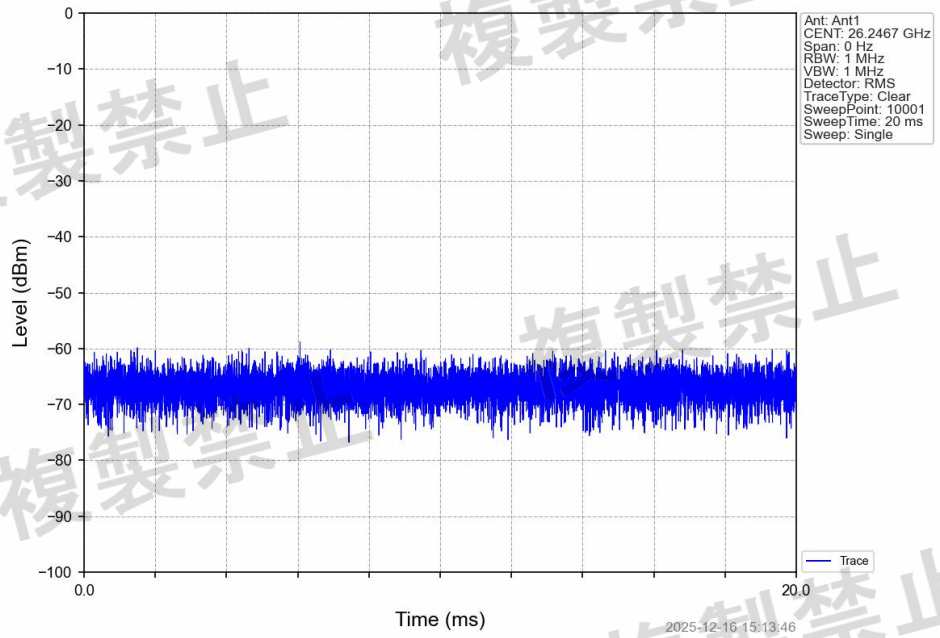


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	788.500	-76.78	/	-54	Pass
1000	26500	1	1	24707.350	-56.45	-67.17	-47	Pass
1000	26500	1	1	26246.700	-56.50	-66.37	-47	Pass

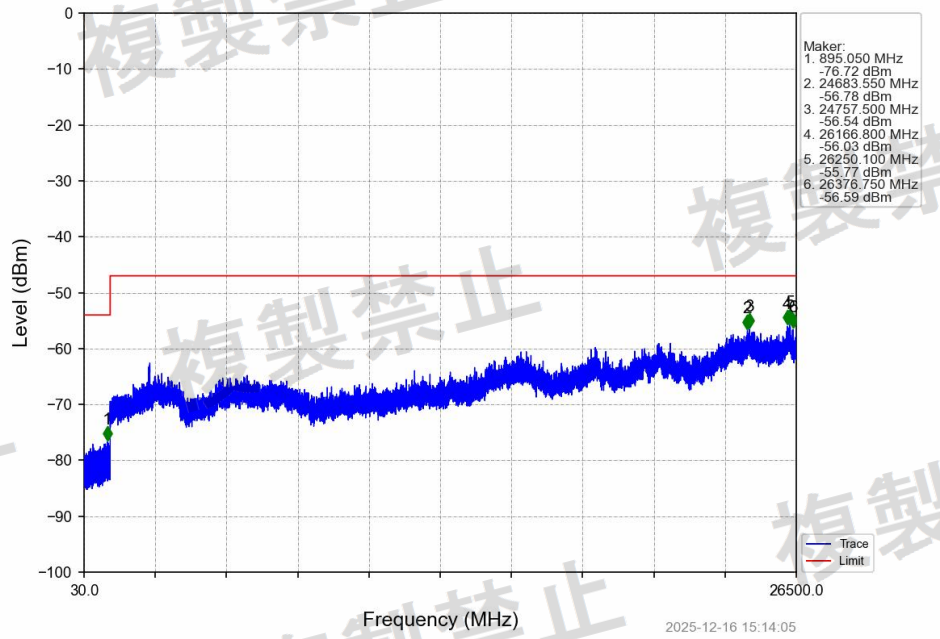
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



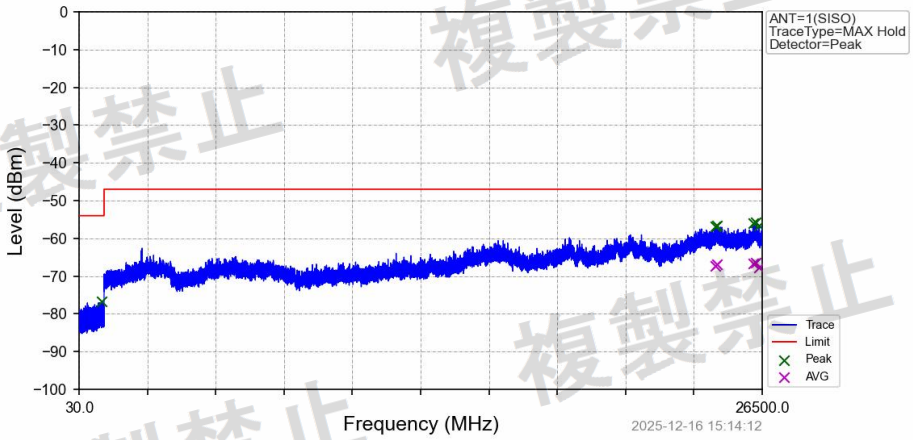
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

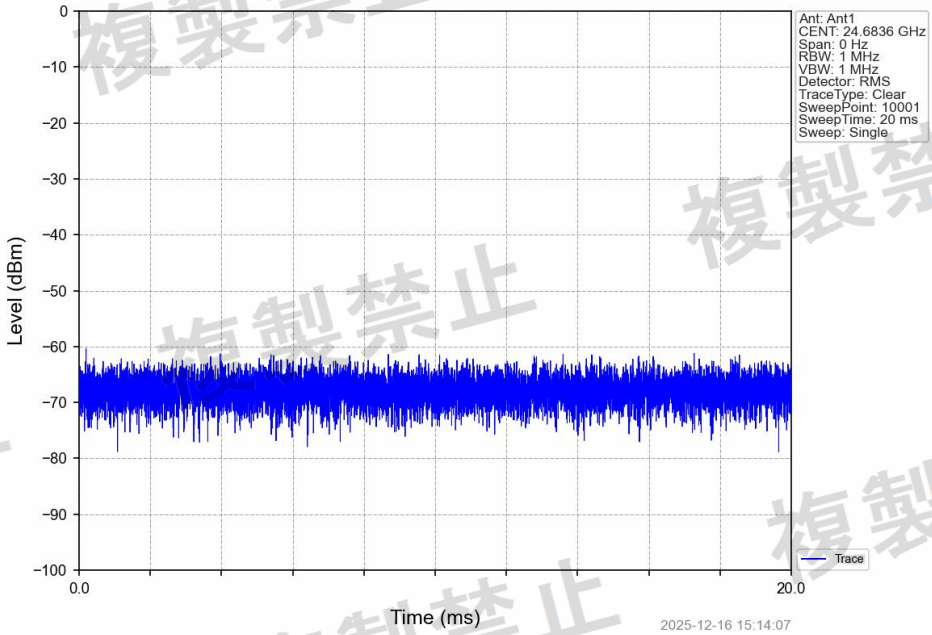


802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

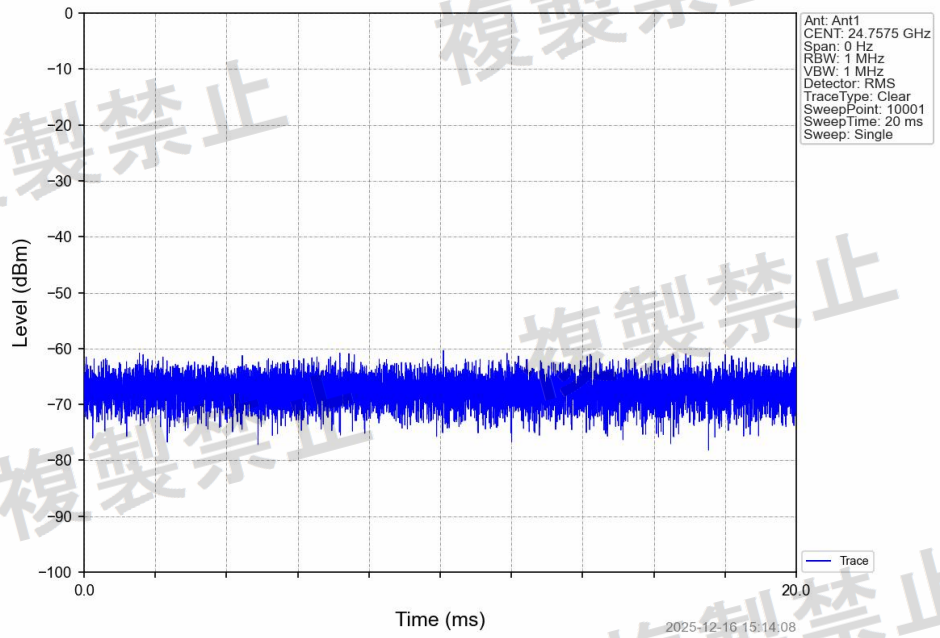


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	895.050	-76.72	/	-54	Pass
1000	26500	1	1	24683.550	-56.78	-67.31	-47	Pass
1000	26500	1	1	24757.500	-56.54	-66.87	-47	Pass
1000	26500	1	1	26166.800	-56.03	-66.66	-47	Pass
1000	26500	1	1	26250.100	-55.77	-66.42	-47	Pass
1000	26500	1	1	26376.750	-56.59	-67.82	-47	Pass

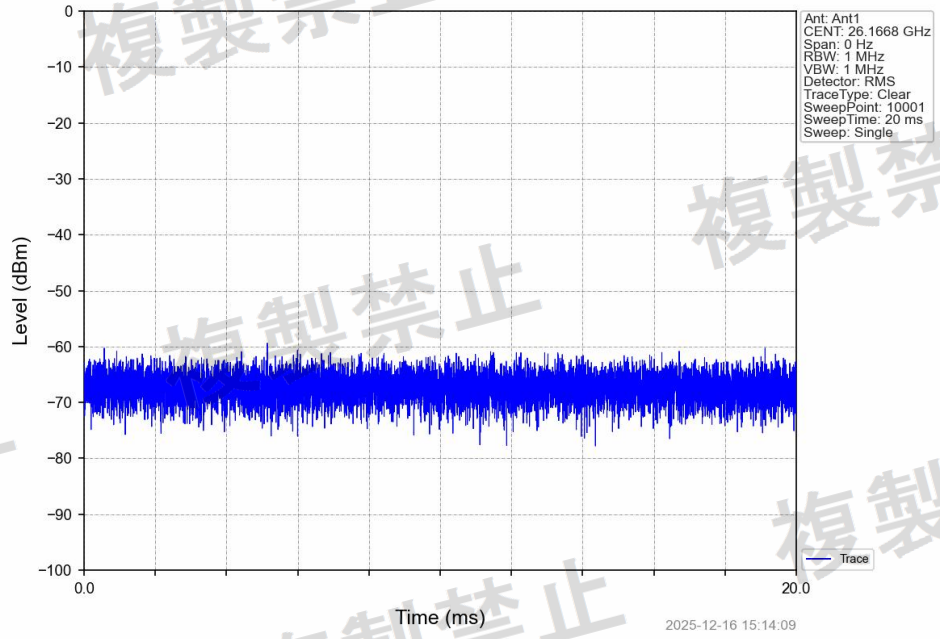
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



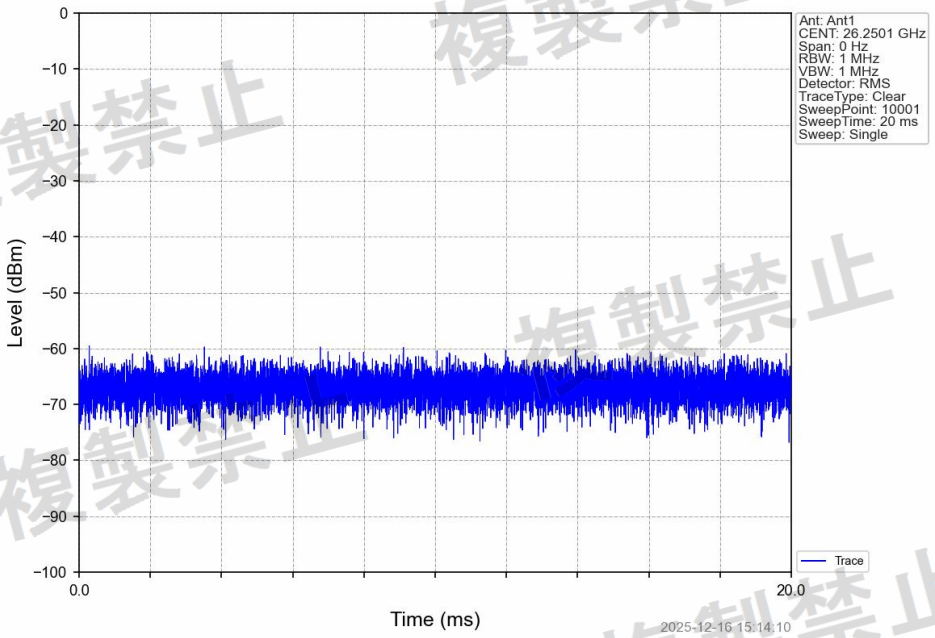
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

