Appendix: 5.3G Wi-Fi

1. Frequency Error

1.1 Test Result

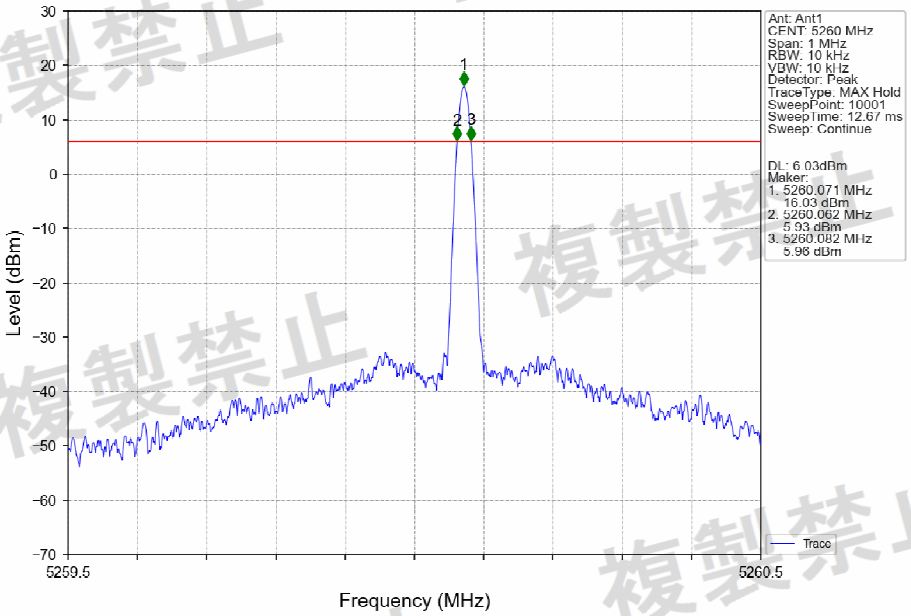
1.1.1 Ant1

Ant1							
ENV	Mode	TX Type	Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)		Verdict
					Result	Limit	
NTNV	CW	SISO	5260	5260.072	13.63	-20 to 20	Pass
			5300	5300.071	13.47	-20 to 20	Pass
			5320	5320.071	13.27	-20 to 20	Pass
			5270	5270.069	13.18	-20 to 20	Pass
			5310	5310.070	13.15	-20 to 20	Pass
			5290	5290.069	13.05	-20 to 20	Pass

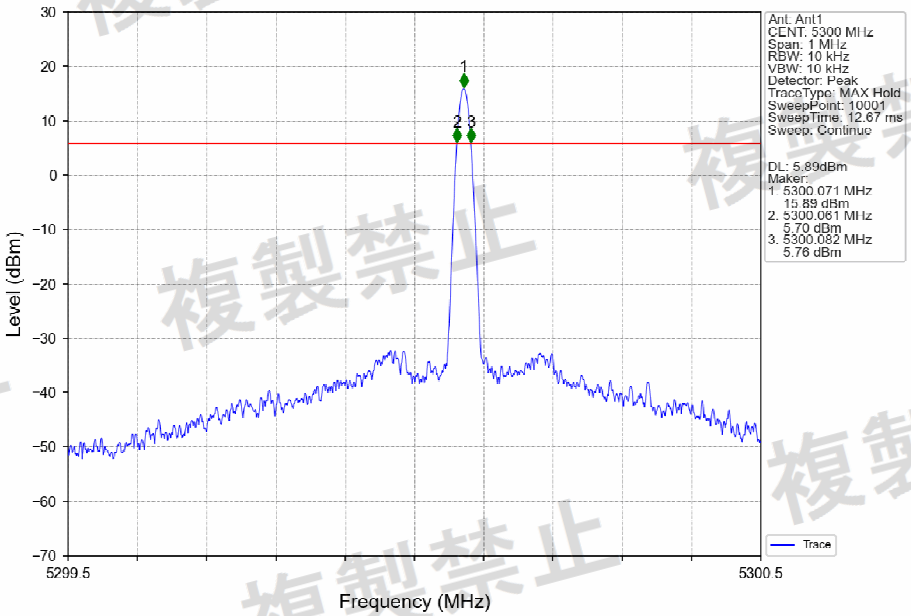
1.2 Test Graph

1.2.1 Ant1

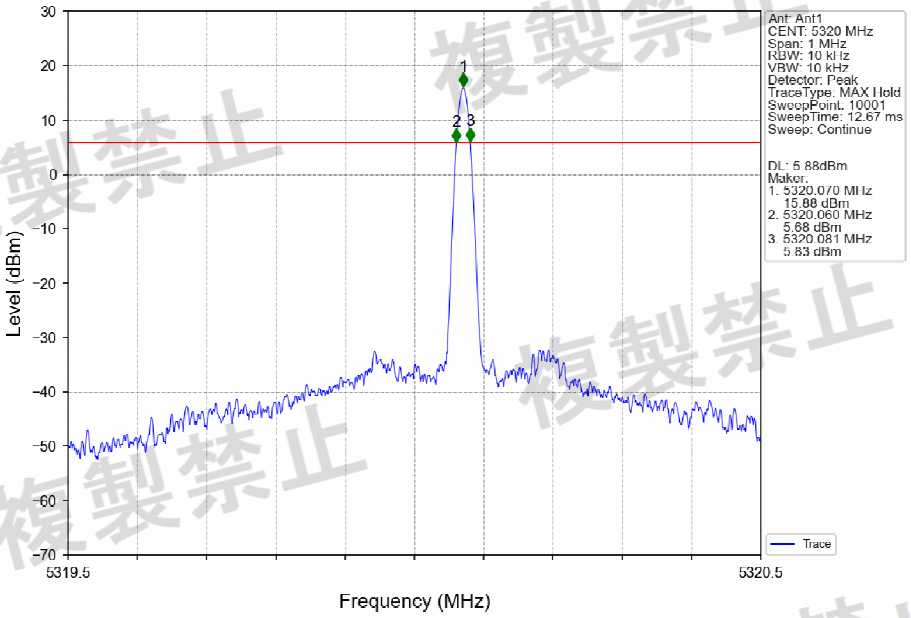
CW_5260MHz_Ant1_NTNV



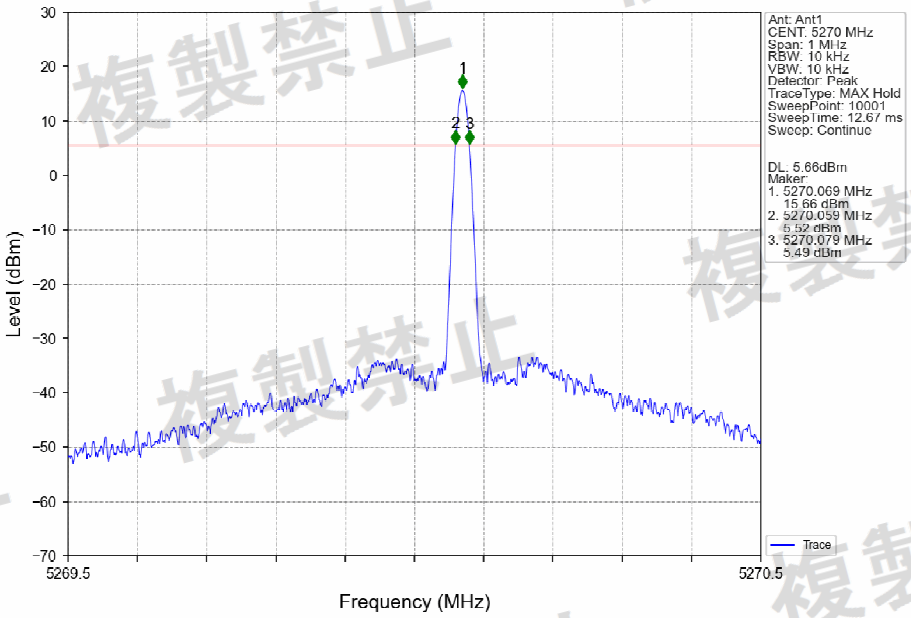
CW_5300MHz_Ant1_NTNV



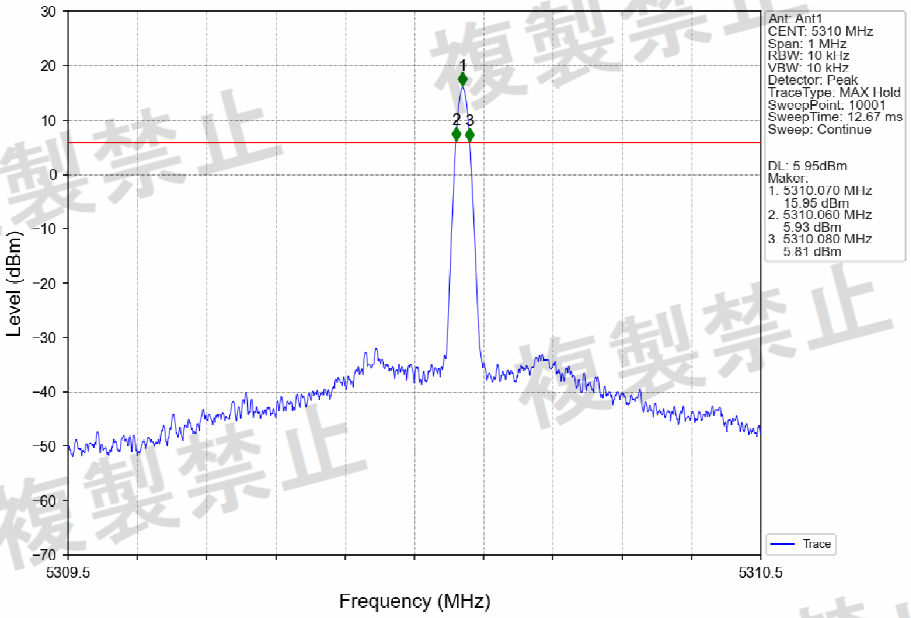
CW_5320MHz_Ant1_NTNV



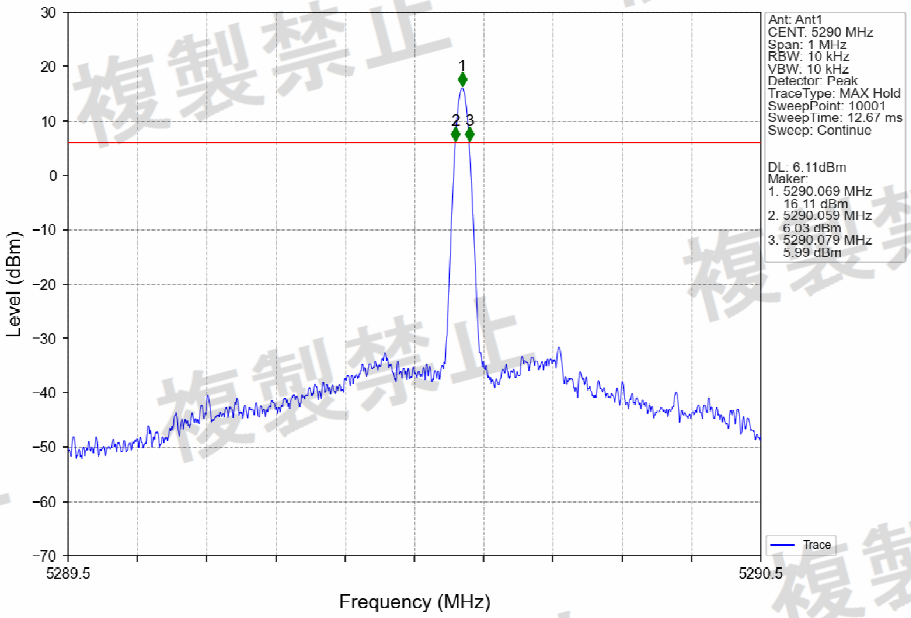
CW_5270MHz_Ant1_NTNV



CW_5310MHz_Ant1_NTNV



CW_5290MHz_Ant1_NTNV



2. Occupied Bandwidth

2.1 Test Result

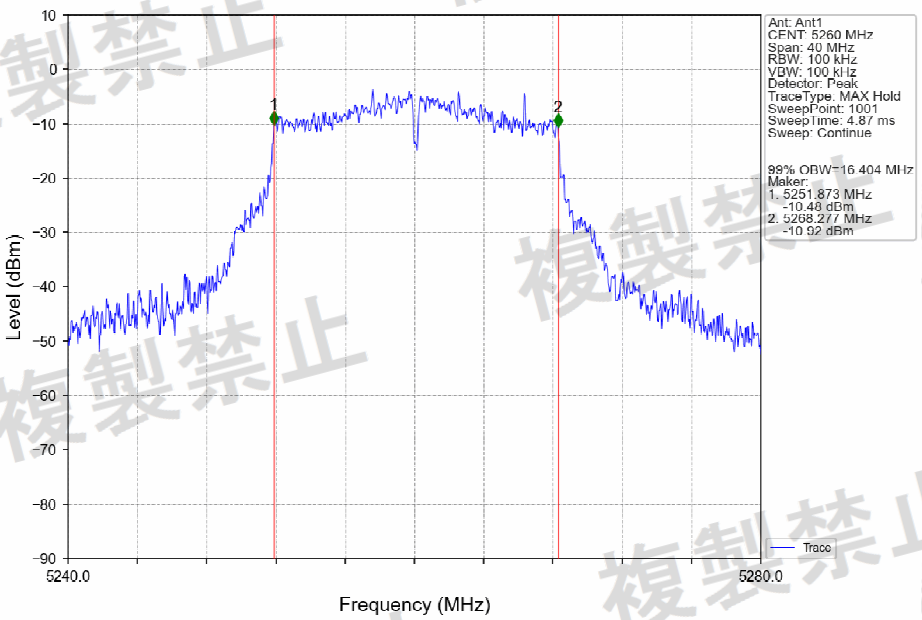
2.1.1 OBW

ENV	Mode	TX Type	Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
				ANT1	Limit	
NTNV	802.11a	SISO	5260	16.404	<=20	Pass
			5300	16.411	<=20	Pass
			5320	16.401	<=20	Pass
	802.11n (HT20)	SISO	5260	17.586	<=20	Pass
			5300	17.612	<=20	Pass
			5320	17.597	<=20	Pass
	802.11ac (VHT20)	SISO	5260	17.599	<=20	Pass
			5300	17.611	<=20	Pass
			5320	17.603	<=20	Pass
	802.11ac (VHT40)	SISO	5270	36.040	<=40	Pass
			5310	36.063	<=40	Pass
	802.11ac (VHT80)	SISO	5290	75.274	<=80	Pass

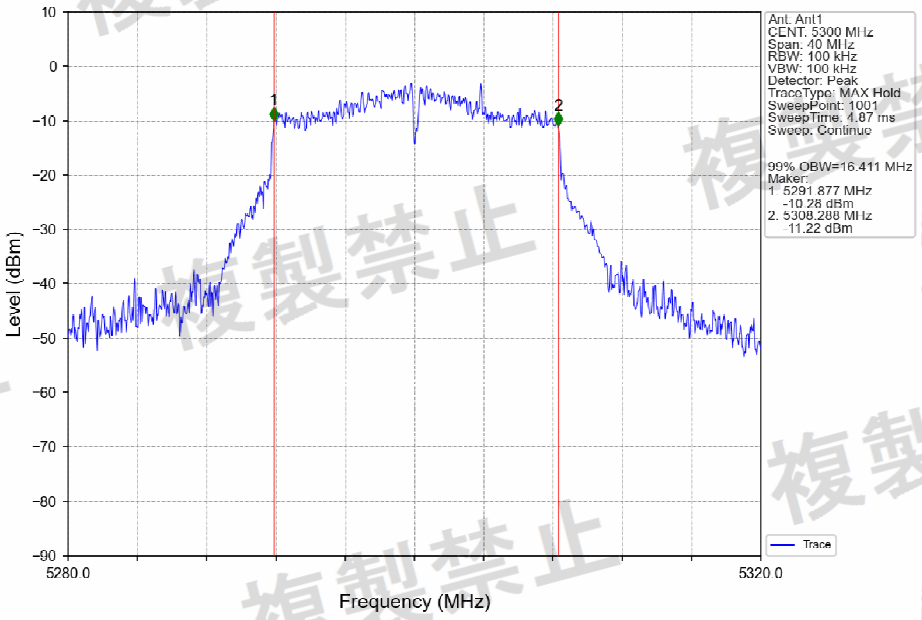
2.2 Test Graph

2.2.1 OBW

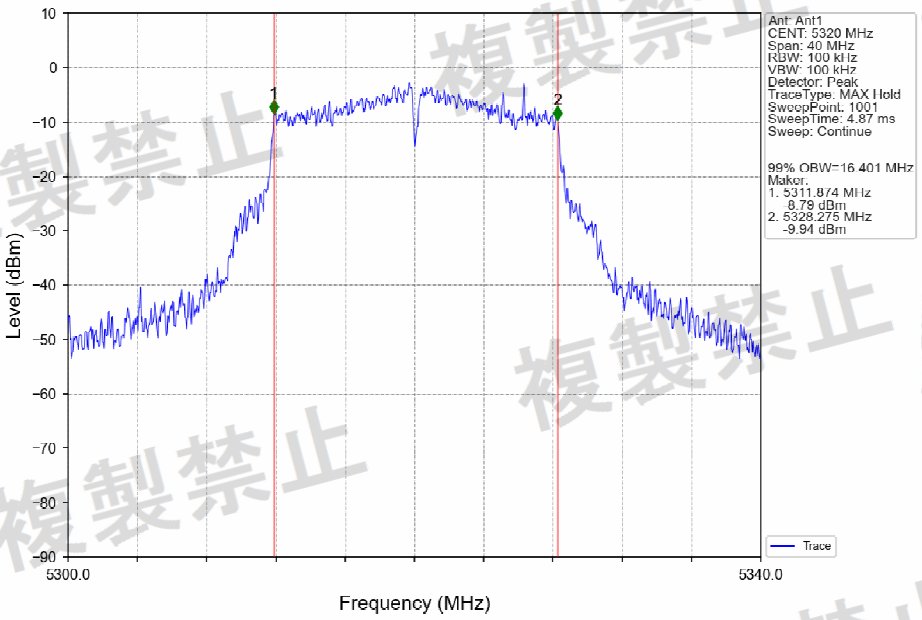
802.11a_LCH_5260MHz_Ant1_NTNV



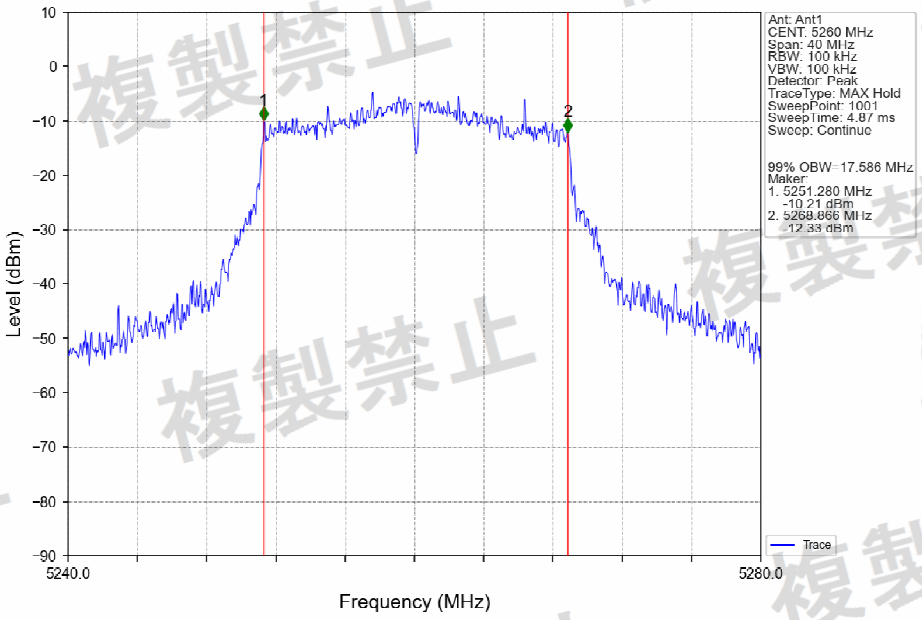
802.11a_MCH_5300MHz_Ant1_NTNV



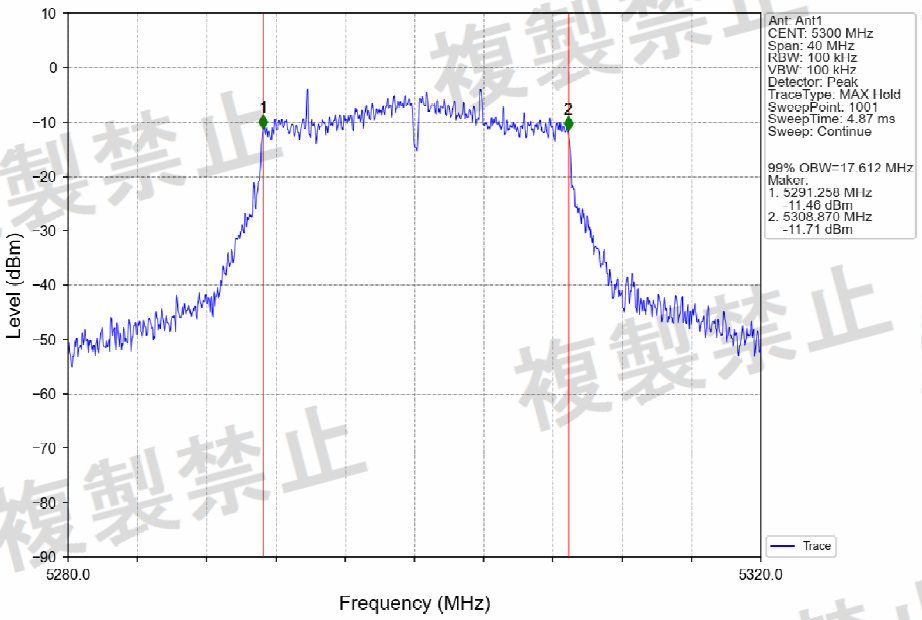
802.11a_HCH_5320MHz_Ant1_NTNV



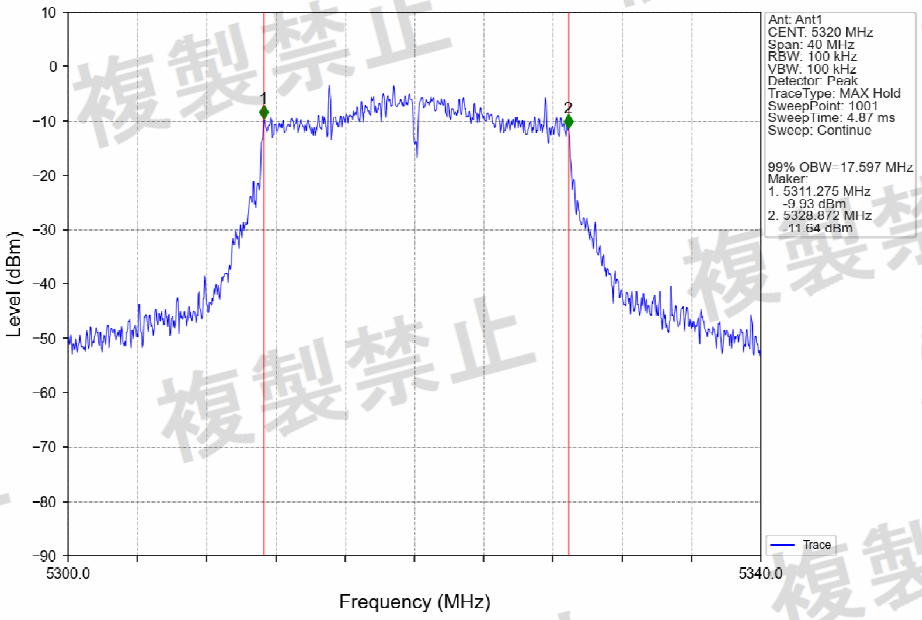
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



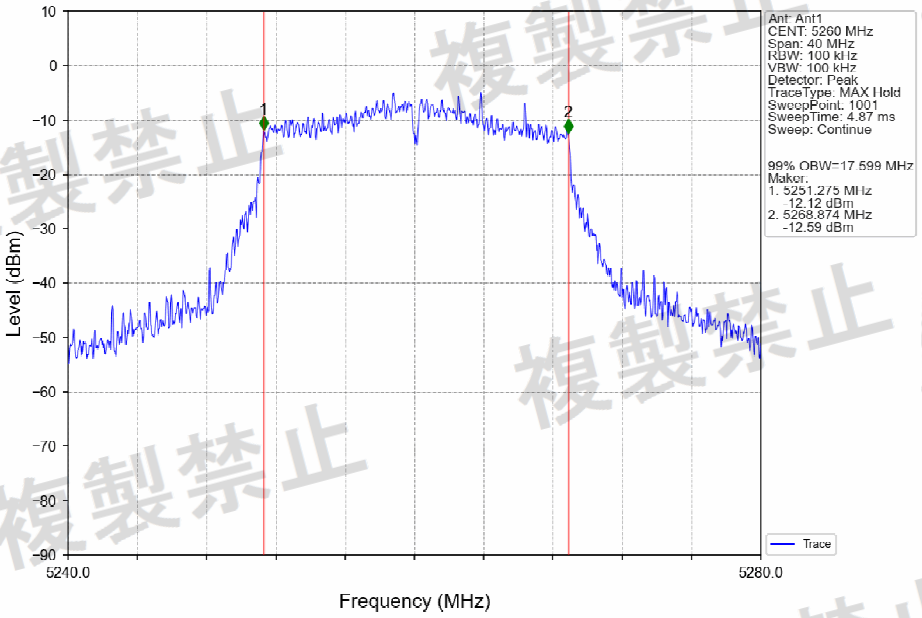
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



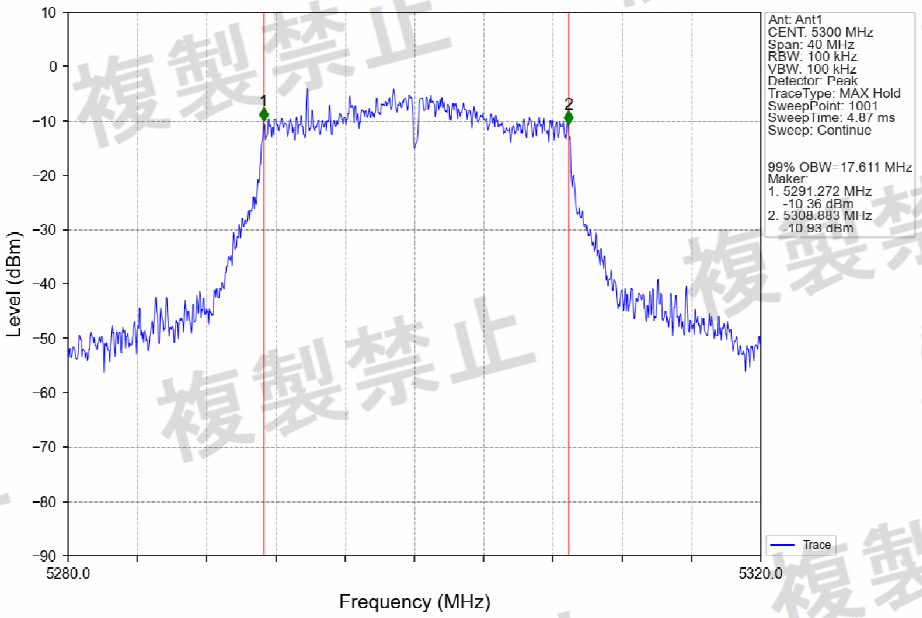
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



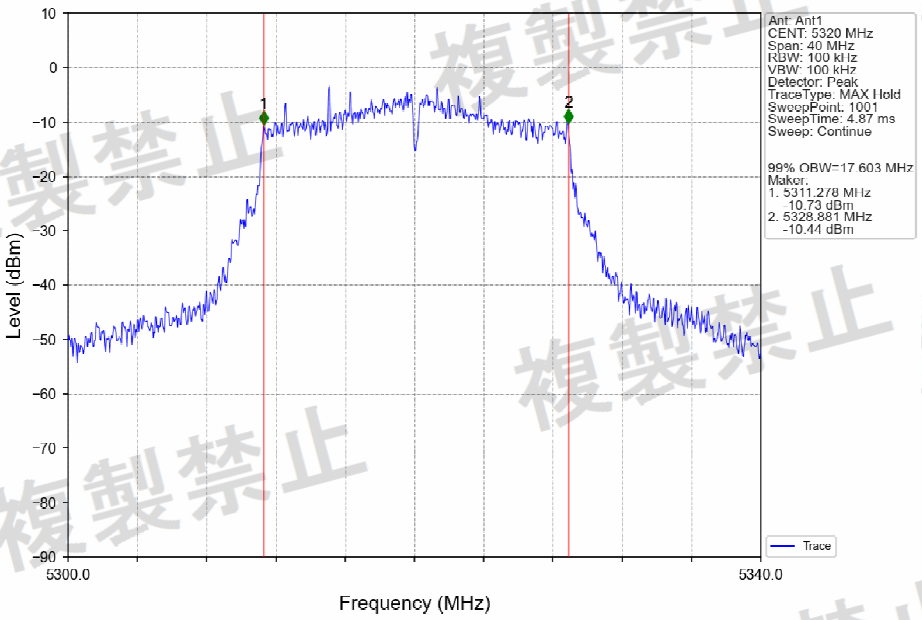
802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



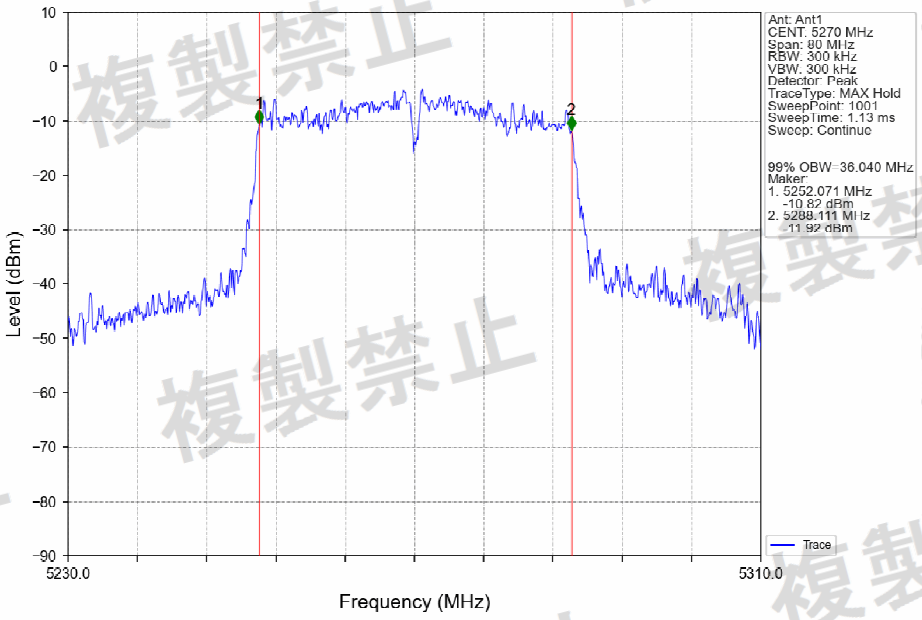
802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



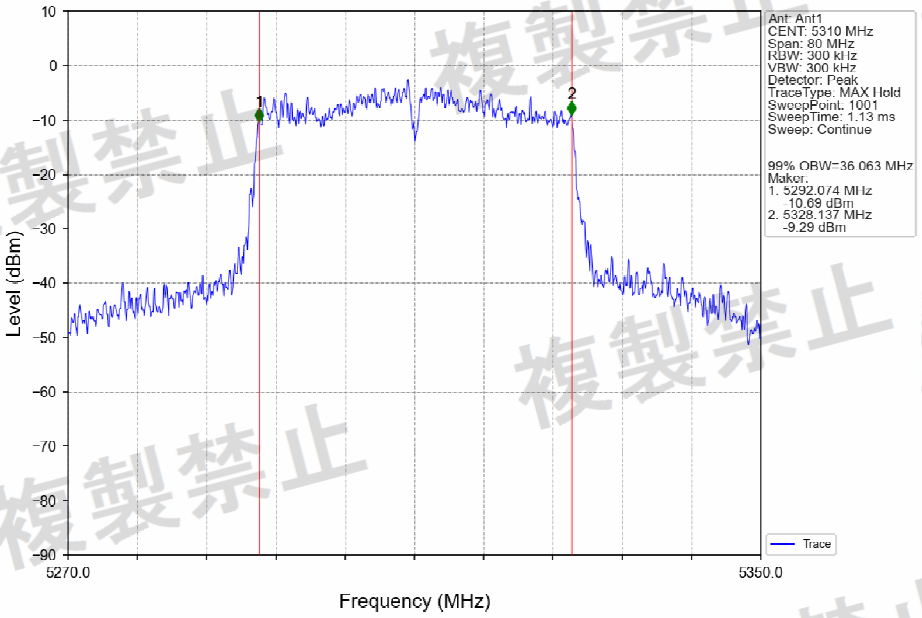
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



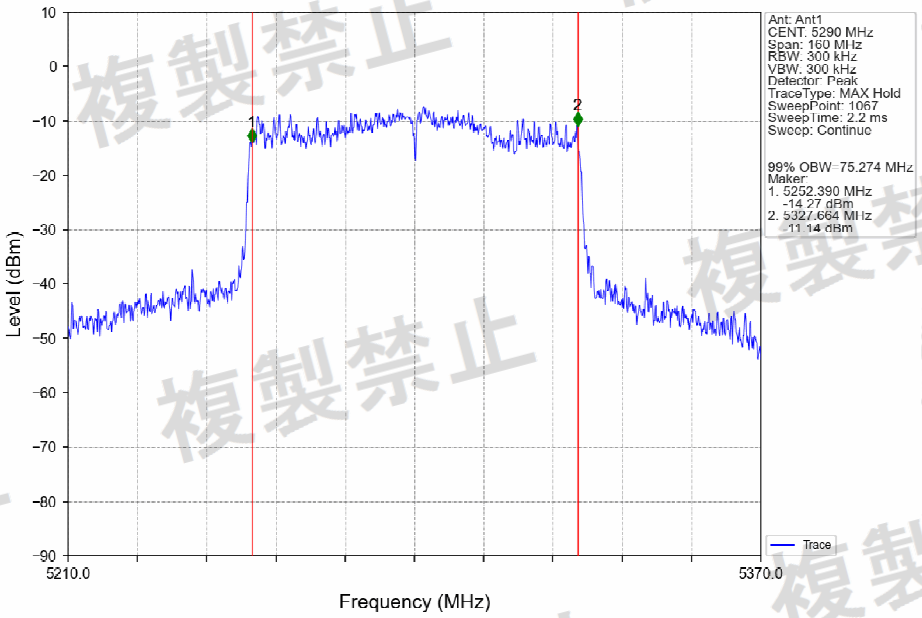
802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5290MHz_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	5260	1	0.832	<=10.00	1.500	-44.53	-80 to 20	Pass
		5300	1	0.900	<=10.00	1.500	-40.00	-80 to 20	Pass
		5320	1	1.003	<=10.00	1.500	-33.13	-80 to 20	Pass
802.11n (HT20)	SISO	5260	1	0.586	<=10.00	1.100	-46.73	-80 to 20	Pass
		5300	1	0.679	<=10.00	1.100	-38.27	-80 to 20	Pass
		5320	1	0.716	<=10.00	1.100	-34.91	-80 to 20	Pass
802.11ac (VHT20)	SISO	5260	1	0.587	<=10.00	0.590	-0.51	-80 to 20	Pass
		5300	1	0.605	<=10.00	0.590	2.54	-80 to 20	Pass
		5320	1	0.693	<=10.00	0.590	17.46	-80 to 20	Pass
802.11ac (VHT40)	SISO	5270	1	0.283	<=5.00	0.510	-44.51	-80 to 20	Pass
		5310	1	0.345	<=5.00	0.510	-32.35	-80 to 20	Pass
802.11ac (VHT80)	SISO	5290	1	0.146	<=2.50	0.150	-2.67	-80 to 20	Pass

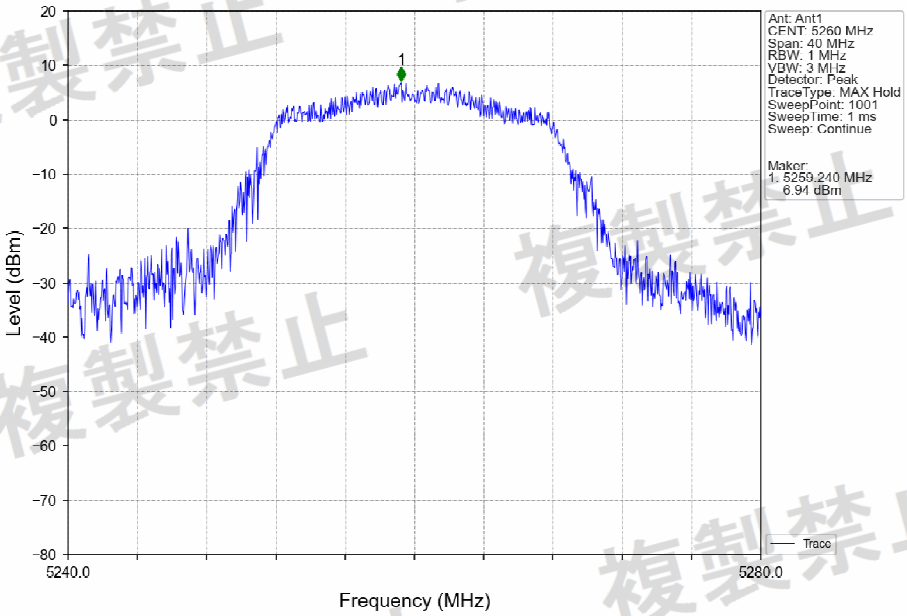
3.1.2 EIRP_NTNV

NTNV							
Mode	TX Type	Frequency (MHz)	ANT	Gain (dBi)	EIRP (mW/MHz)		Verdict
					Result	Limit	
802.11a	SISO	5260	1	4.45	2.32	<=5	Pass
		5300	1	4.45	2.51	<=5	Pass
		5320	1	4.45	2.79	<=5	Pass
802.11n (HT20)	SISO	5260	1	4.45	1.63	<=5	Pass
		5300	1	4.45	1.89	<=5	Pass
		5320	1	4.45	2.00	<=5	Pass
802.11ac (VHT20)	SISO	5260	1	4.45	1.64	<=5	Pass
		5300	1	4.45	1.69	<=5	Pass
		5320	1	4.45	1.93	<=5	Pass
802.11ac (VHT40)	SISO	5270	1	4.45	0.79	<=2.5	Pass
		5310	1	4.45	0.96	<=2.5	Pass
802.11ac (VHT80)	SISO	5290	1	4.45	0.41	<=1.25	Pass

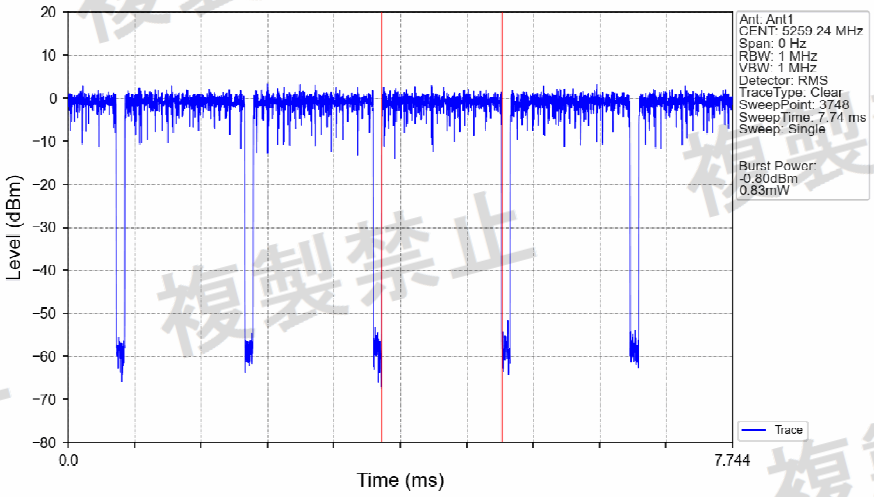
3.2 Test Graph

3.2.1 Power_NTNV

802.11a_LCH_5260MHz_Ant1_NTNV

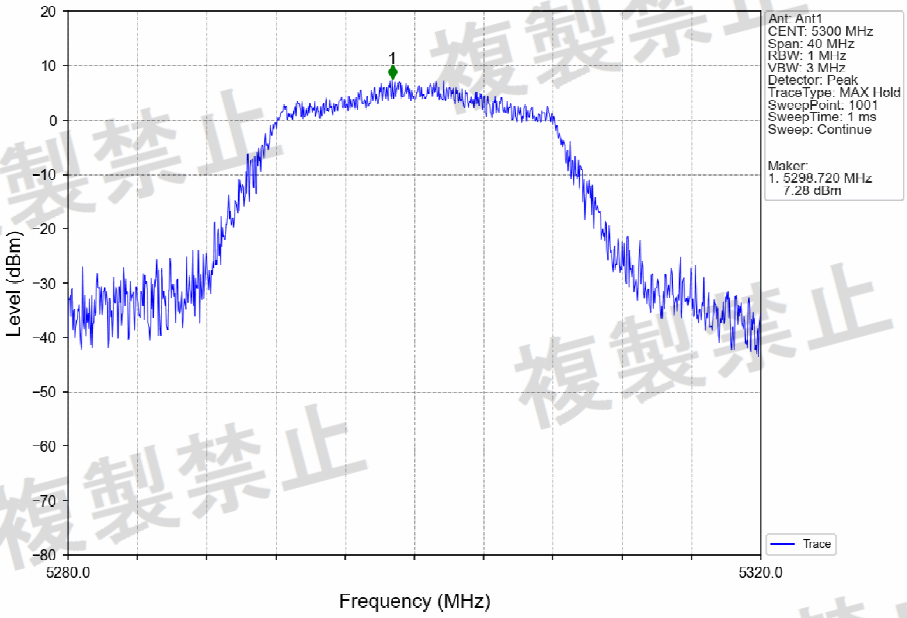


802.11a_LCH_5260MHz_Ant1_NTNV

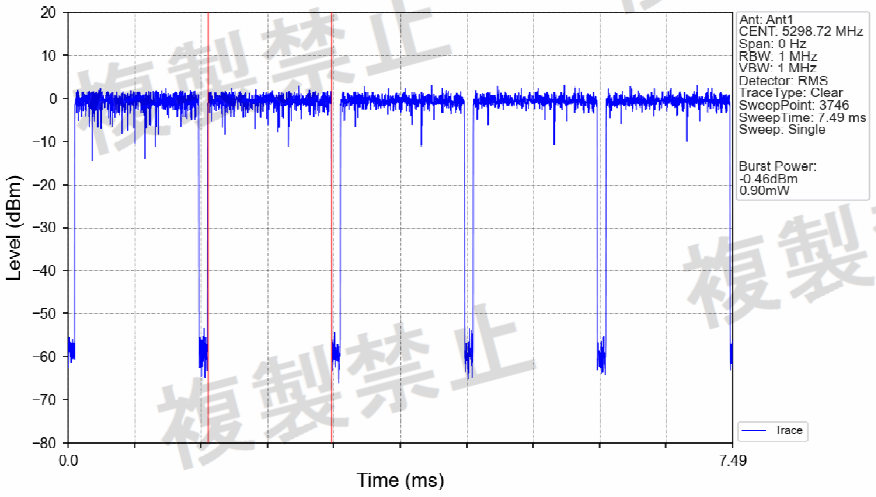


Burst No.	1	2	**3**	4
Length (ms)	1.397	1.397	**1.397**	1.397
Power(dBm)	-0.80	-0.80	**-0.80**	-0.81
Power(mW)	0.832	0.831	**0.832**	0.830
Remark	/	/	**Max**	/

802.11a_MCH_5300MHz_Ant1_NTNV

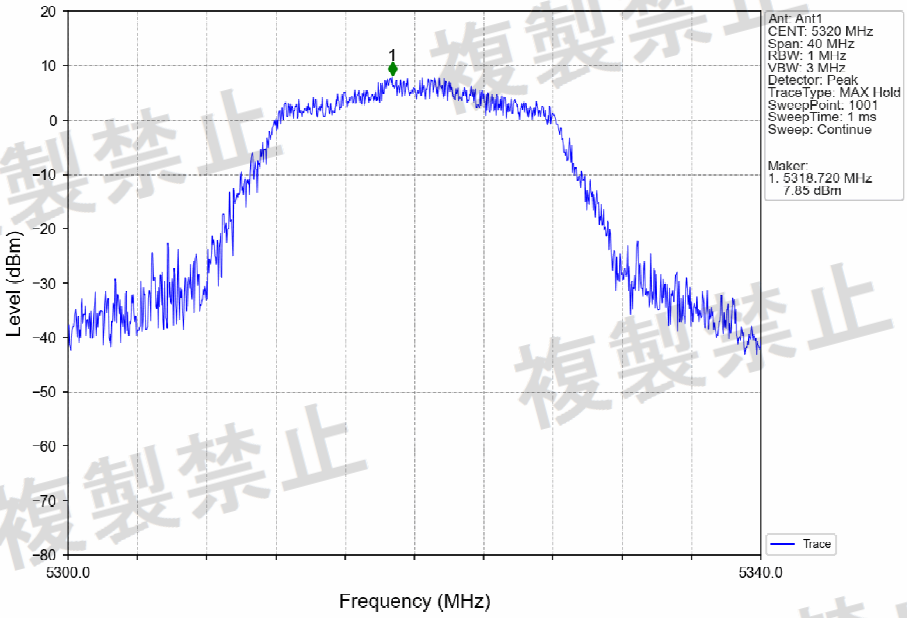


802.11a_MCH_5300MHz_Ant1_NTNV

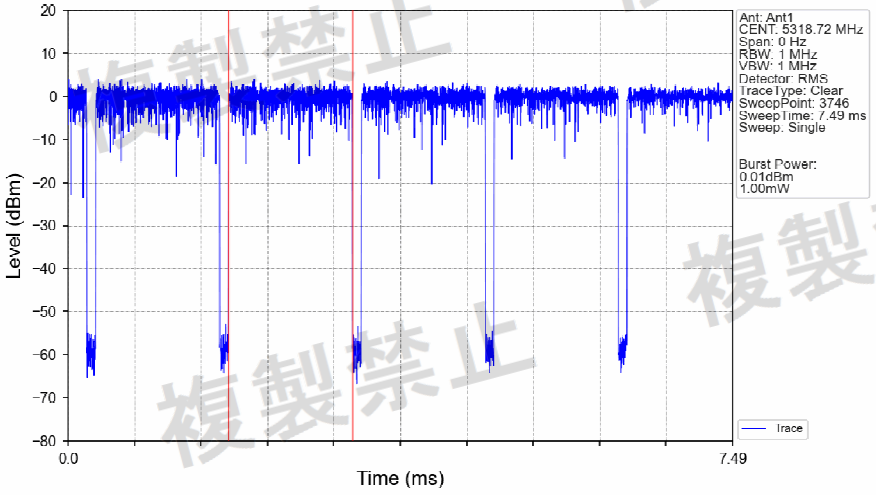


Burst No.	1	**2**	3	4	5
Length (ms)	1.398	**1.398**	1.398	1.398	1.398
Power(dBm)	-0.47	**-0.46**	-0.47	-0.47	-0.47
Power(mW)	0.898	**0.900**	0.897	0.897	0.897
Remark	/	**Max**	/	/	/

802.11a_HCH_5320MHz_Ant1_NTNV

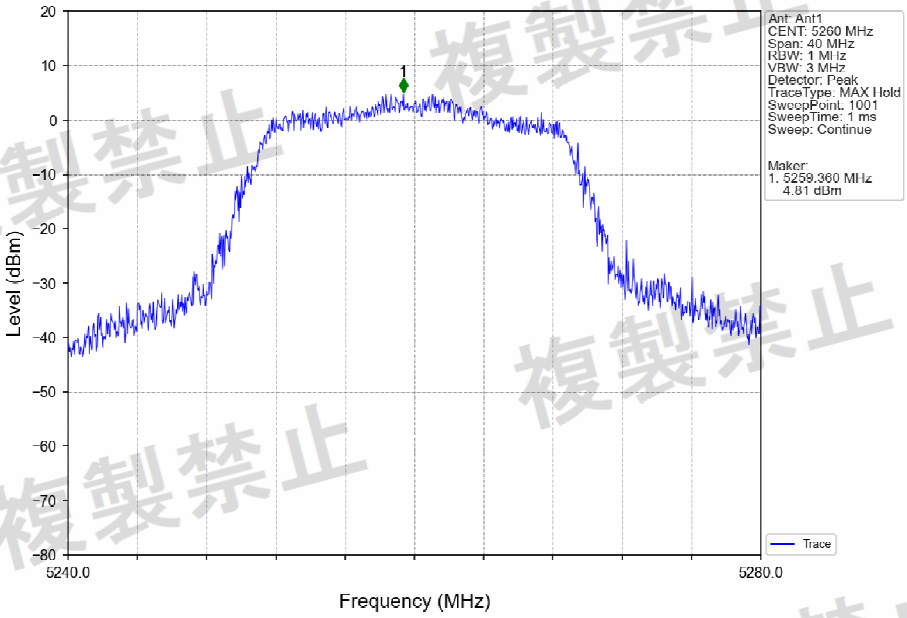


802.11a_HCH_5320MHz_Ant1_NTNV

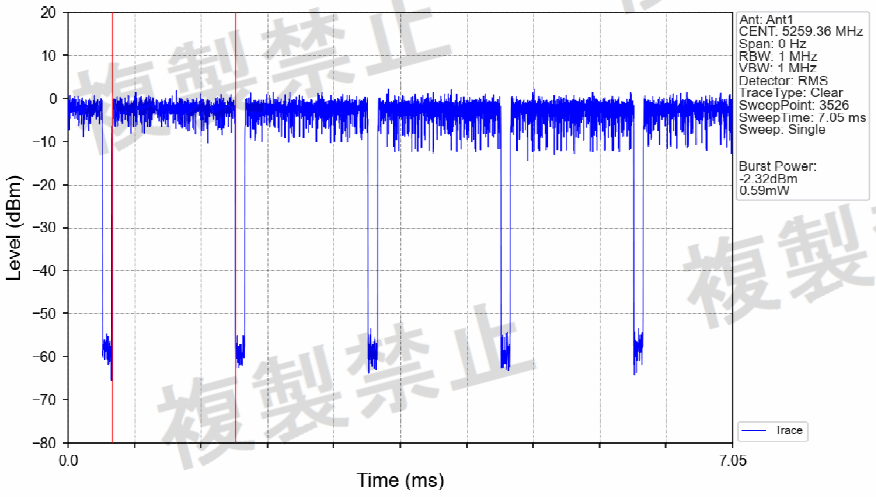


Burst No.	1	**2**	3	**4**
Length (ms)	1.398	**1.398**	1.398	1.398
Power(dBm)	0.01	**0.01**	0.01	0.01
Power(mW)	1.003	**1.003**	1.002	1.002
Remark	/	**Max**	/	/

802.11n(HT20)_LCH_5260MHz_Ant1_NTNV

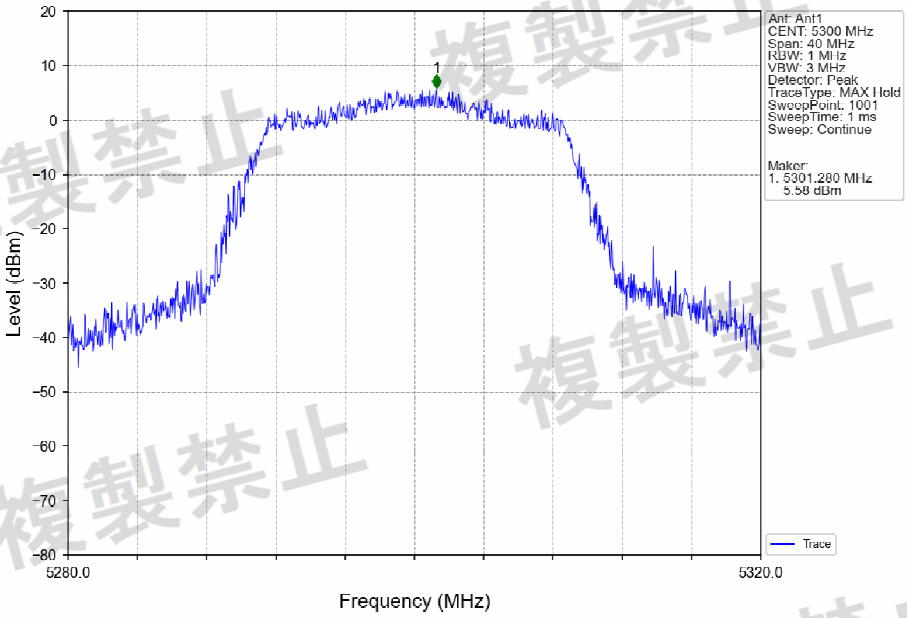


802.11n(HT20)_LCH_5260MHz_Ant1_NTNV

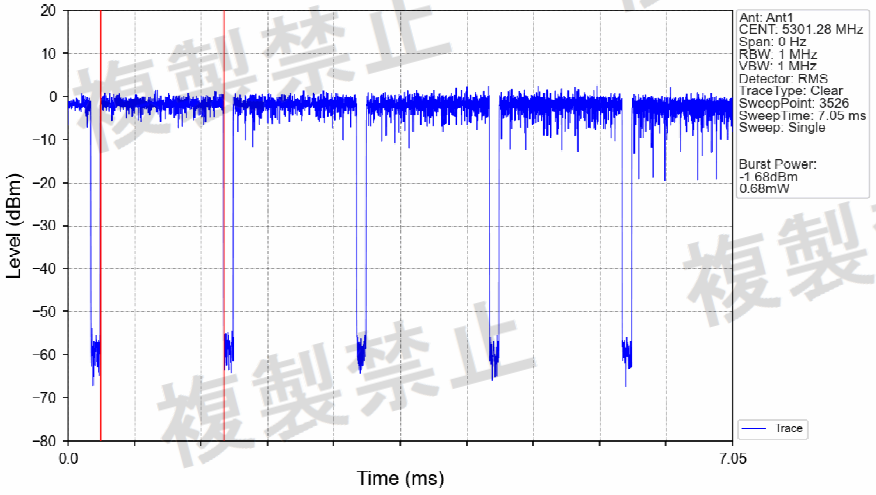


Burst No.	1	2	3	4
Length (ms)	**1.308**	1.308	1.308	1.308
Power(dBm)	**-2.32**	-2.35	-2.38	-2.44
Power(mW)	**0.586**	0.583	0.579	0.570
Remark	**Max**	/	/	/

802.11n(HT20)_MCH_5300MHz_Ant1_NTNV

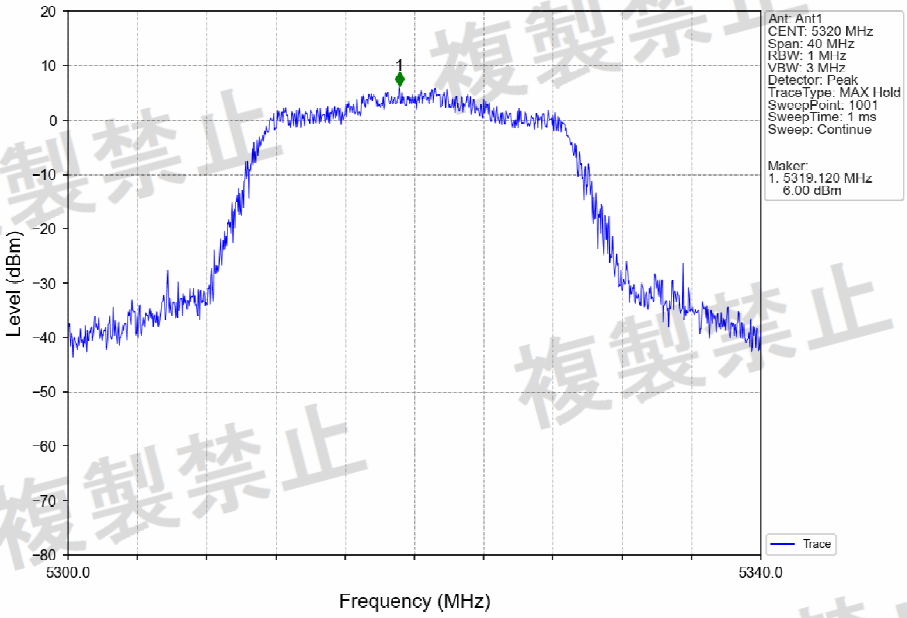


802.11n(HT20)_MCH_5300MHz_Ant1_NTNV

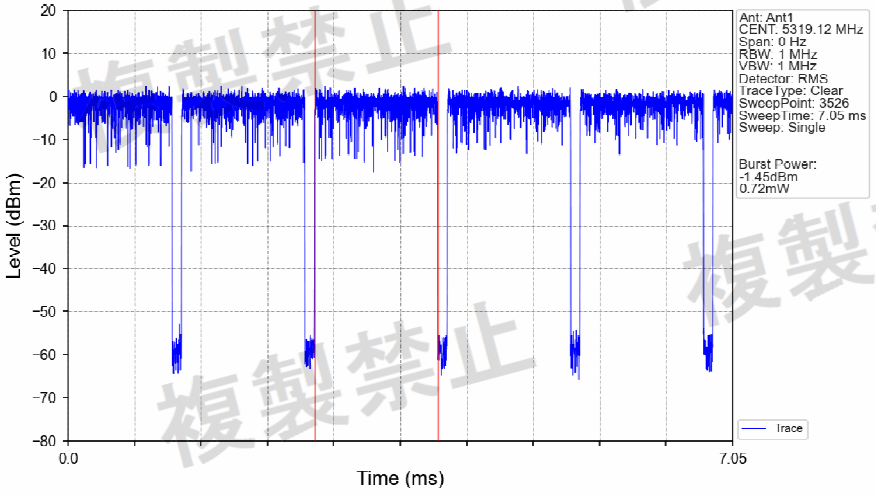


Burst No.	1	2	3	4
Length (ms)	**1.308**	1.308	1.308	1.308
Power(dBm)	**-1.68**	-1.76	-1.77	-1.77
Power(mW)	**0.679**	0.666	0.666	0.665
Remark	**Max**	/	/	/

802.11n(HT20)_HCH_5320MHz_Ant1_NTNV

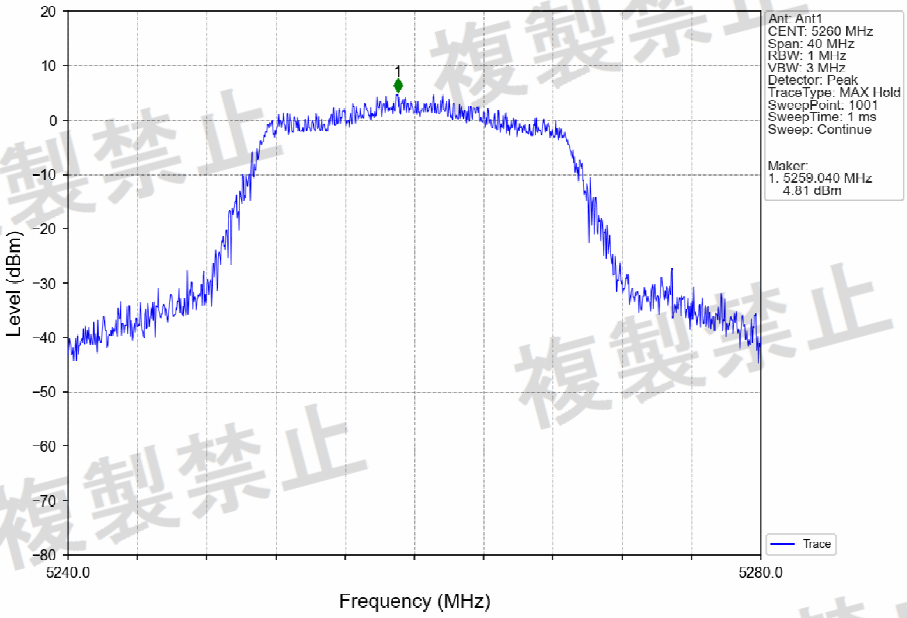


802.11n(HT20)_HCH_5320MHz_Ant1_NTNV

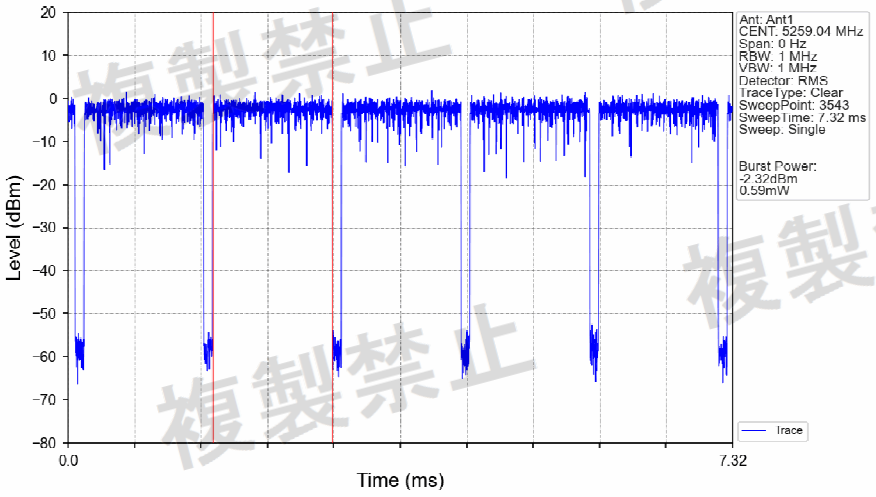


Burst No.	1	**2**	3	4
Length (ms)	1.308	**1.308**	1.310	1.310
Power(dBm)	-1.48	**-1.45**	-1.47	-1.49
Power(mW)	0.712	**0.716**	0.713	0.710
Remark	/	**Max**	/	/

802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV

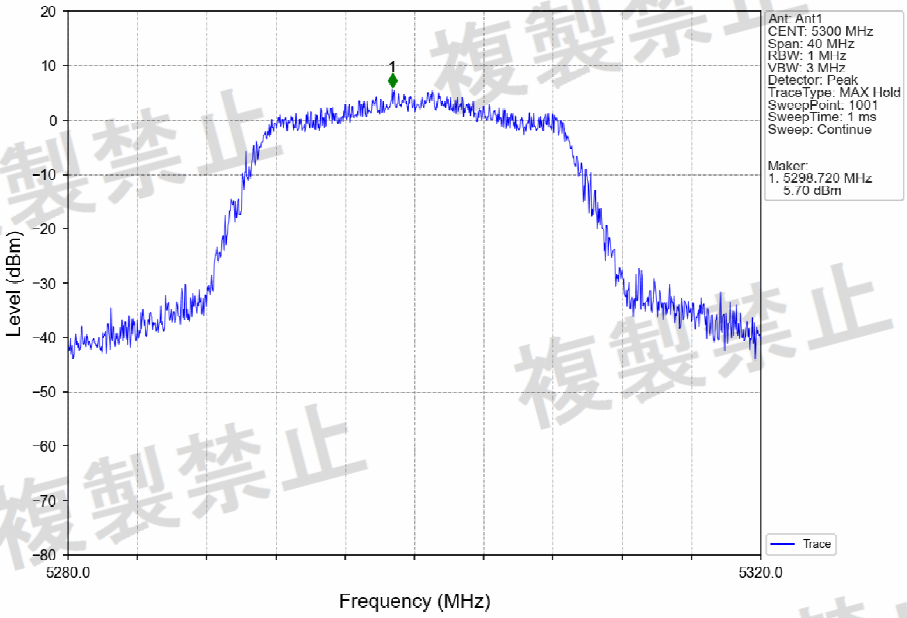


802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV

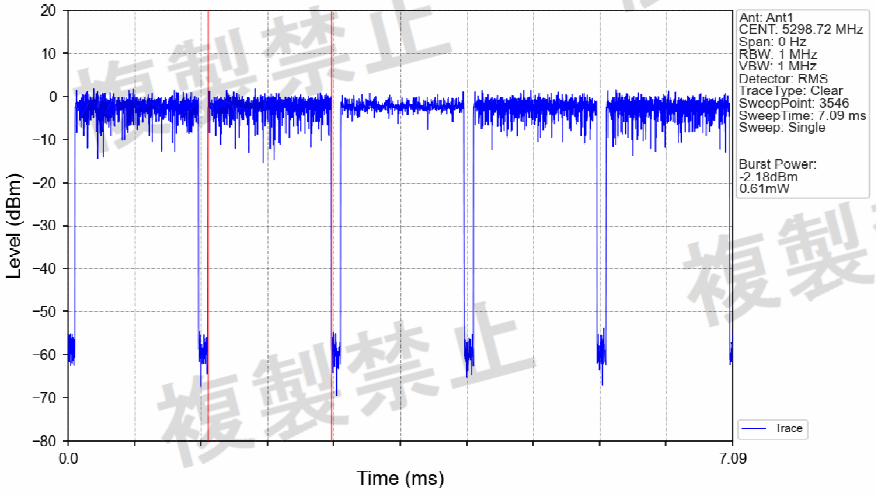


Burst No.	1	**2**	3	4	5
Length (ms)	1.316	**1.316**	1.316	1.316	1.316
Power(dBm)	-2.38	**-2.32**	-2.45	-2.37	-2.40
Power(mW)	0.578	**0.587**	0.569	0.580	0.576
Remark	/	**Max**	/	/	/

802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV

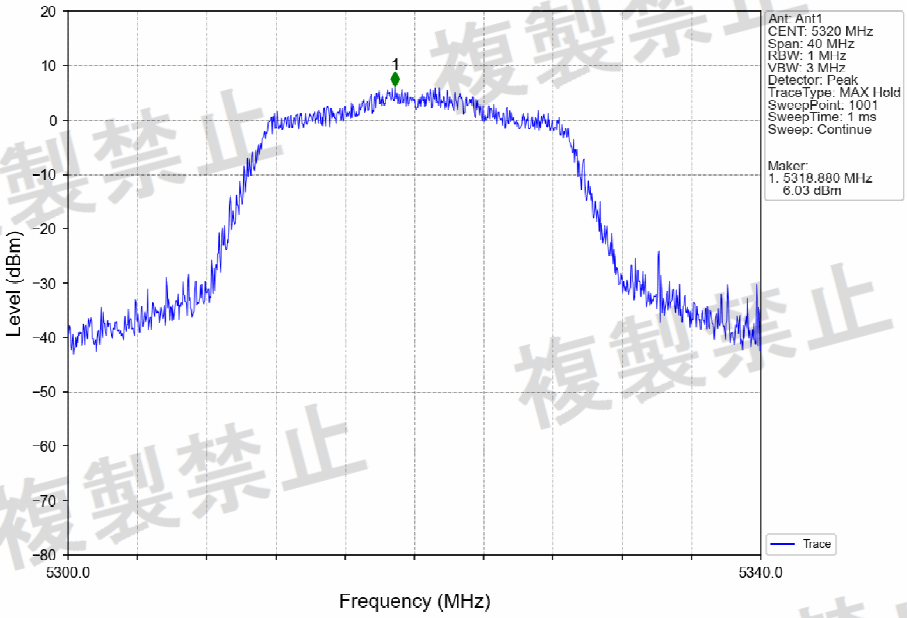


802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV

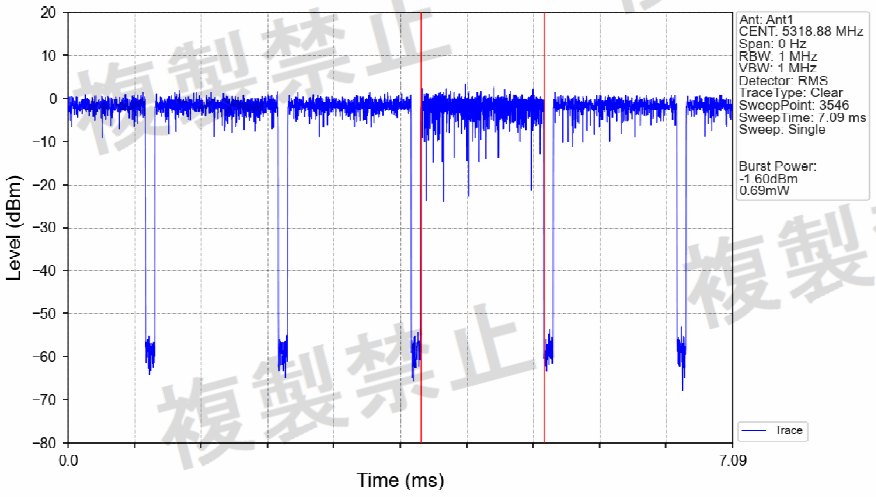


Burst No.	1	**2**	3	4	5
Length (ms)	1.316	**1.318**	1.318	1.316	1.318
Power(dBm)	-2.22	**-2.18**	-2.22	-2.24	-2.28
Power(mW)	0.600	**0.605**	0.600	0.597	0.591
Remark	/	**Max**	/	/	/

802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV

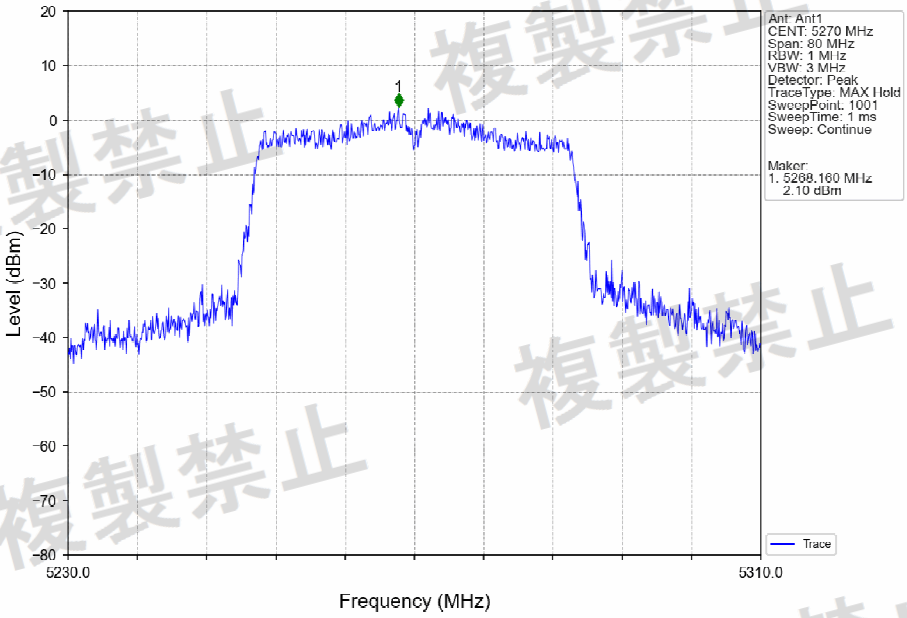


802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV

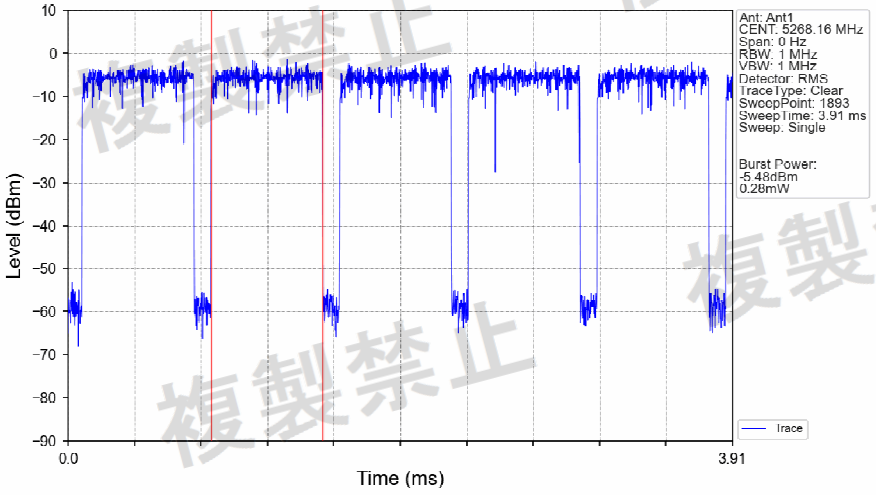


Burst No.	1	2	**3**	4
Length (ms)	1.316	1.316	**1.316**	1.318
Power(dBm)	-1.61	-1.63	**-1.60**	-1.63
Power(mW)	0.690	0.687	**0.693**	0.687
Remark	/	/	**Max**	/

802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV

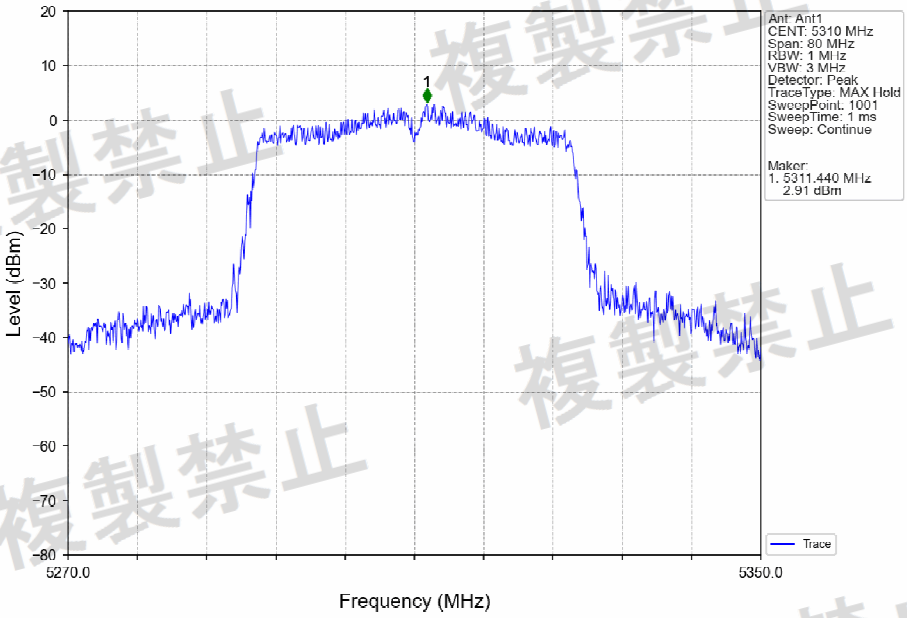


802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV

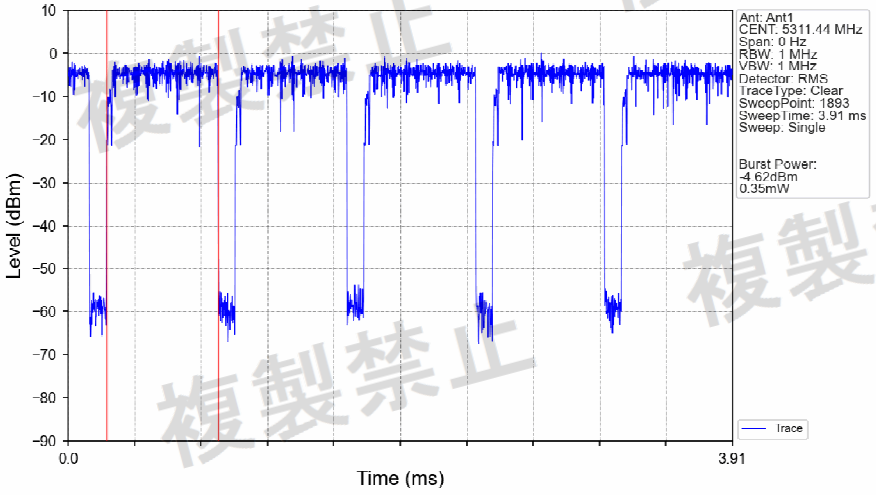


Burst No.	1	**2**	3	4	5
Length (ms)	0.659	**0.657**	0.659	0.657	0.657
Power(dBm)	-5.53	**-5.48**	-5.57	-5.59	-5.52
Power(mW)	0.280	**0.283**	0.277	0.276	0.281
Remark	/	**Max**	/	/	/

802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV

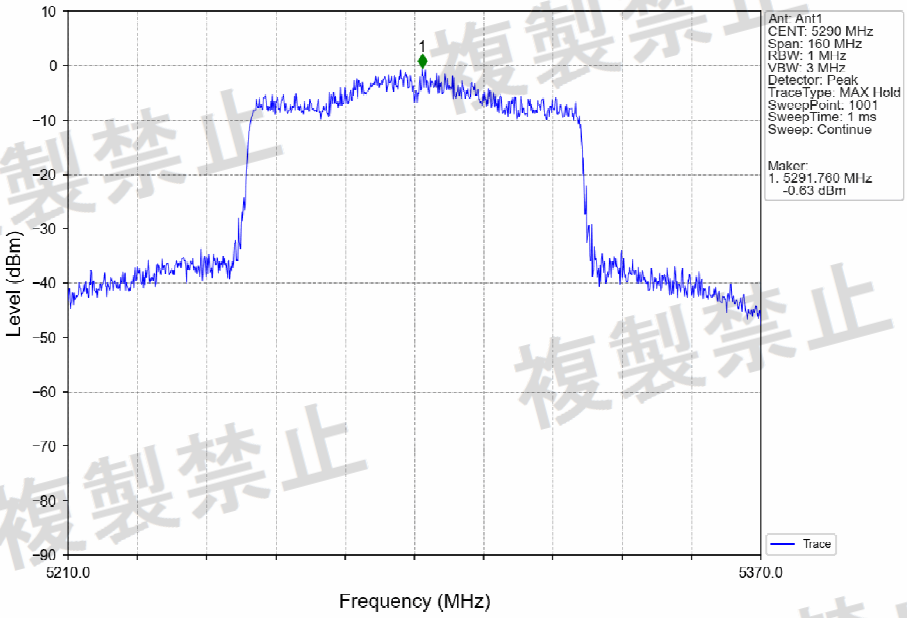


802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV

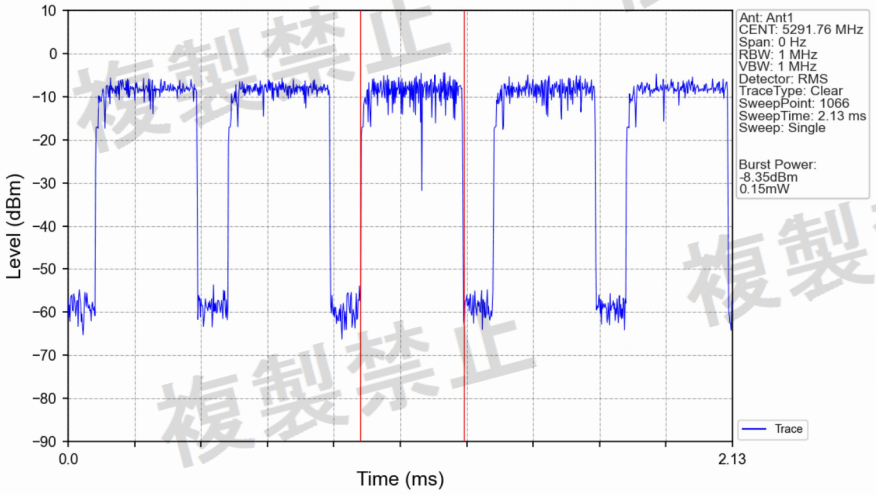


Burst No.	1	2	3	4
Length (ms)	**0.657**	0.657	0.657	0.659
Power(dBm)	**-4.62**	-4.69	-4.62	-4.70
Power(mW)	**0.345**	0.339	0.345	0.339
Remark	**Max**	/	/	/

802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



Burst No.	1	2	**3**	4
Length (ms)	0.330	0.330	**0.332**	0.332
Power(dBm)	-8.37	-8.38	**-8.35**	-8.41
Power(mW)	0.145	0.145	**0.146**	0.144
Remark	/	/	**Max**	/

4. Adjacent Channel Leakage Power

4.1 Test Result

4.1.1 ACLR_NTNV_SISO

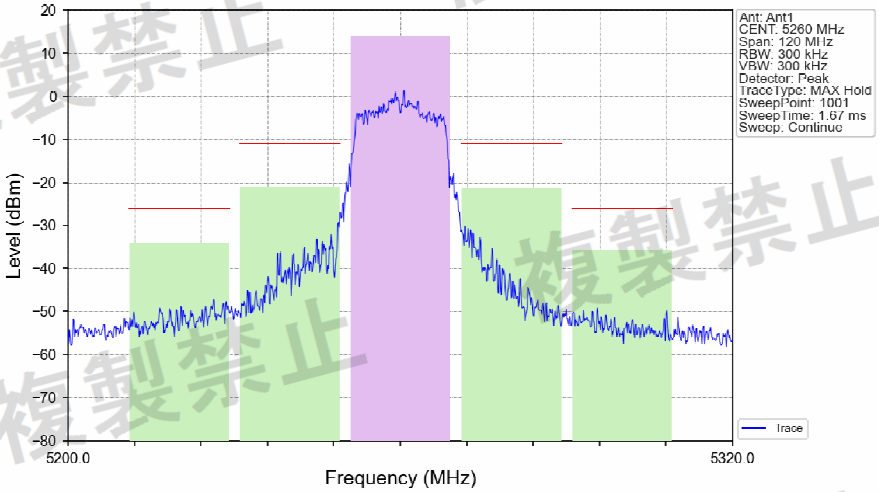
NTNV									
Mode	TX Type	Frequency (MHz)	ANT	Offset (MHz)	Integ BW (MHz)	Power (dBm)	Result (dBc)	Limit (dBc)	Verdict
802.11a	SISO	5260	1	-40	18	-34.01	-47.98	<=-40	Pass
				-20	18	-21.01	-34.98	<=-25	Pass
				0	18	13.97	/	/	/
				20	18	-21.41	-35.38	<=-25	Pass
				40	18	-35.72	-49.69	<=-40	Pass
		5300	1	-40	18	-34.54	-49.38	<=-40	Pass
				-20	18	-21.54	-36.38	<=-25	Pass
				0	18	14.84	/	/	/
				20	18	-22.60	-37.44	<=-25	Pass
				40	18	-35.95	-50.79	<=-40	Pass
		5320	1	-40	18	-34.20	-49.41	<=-40	Pass
				-20	18	-23.87	-39.08	<=-25	Pass
				0	18	15.21	/	/	/
				20	18	-22.74	-37.95	<=-25	Pass
				40	18	-36.06	-51.27	<=-40	Pass
802.11n (HT20)	SISO	5260	1	-40	18	-35.93	-48.28	<=-40	Pass
				-20	18	-24.96	-37.31	<=-25	Pass
				0	18	12.35	/	/	/
				20	18	-23.37	-35.72	<=-25	Pass
				40	18	-37.76	-50.11	<=-40	Pass
		5300	1	-40	18	-35.94	-49.17	<=-40	Pass
				-20	18	-25.02	-38.25	<=-25	Pass
				0	18	13.23	/	/	/
				20	18	-23.46	-36.69	<=-25	Pass
				40	18	-37.57	-50.80	<=-40	Pass
		5320	1	-40	18	-35.74	-49.32	<=-40	Pass
				-20	18	-25.16	-38.74	<=-25	Pass
				0	18	13.58	/	/	/
				20	18	-24.28	-37.86	<=-25	Pass
				40	18	-37.24	-50.82	<=-40	Pass
802.11ac (VHT20)	SISO	5260	1	-40	18	-35.75	-48.09	<=-40	Pass
				-20	18	-25.11	-37.45	<=-25	Pass
				0	18	12.34	/	/	/
				20	18	-23.88	-36.22	<=-25	Pass
				40	18	-37.36	-49.70	<=-40	Pass
		5300	1	-40	18	-35.68	-48.79	<=-40	Pass
				-20	18	-25.82	-38.93	<=-25	Pass
				0	18	13.11	/	/	/
				20	18	-23.60	-36.71	<=-25	Pass
				40	18	-37.33	-50.44	<=-40	Pass
		5320	1	-40	18	-36.10	-49.54	<=-40	Pass
				-20	18	-24.95	-38.39	<=-25	Pass
				0	18	13.44	/	/	/
				20	18	-24.39	-37.83	<=-25	Pass
				40	18	-37.19	-50.63	<=-40	Pass

802.11ac (VHT40)	SISO	5270	1	-80	40	-32.80	-44.94	<=-40	Pass
				-40	40	-24.06	-36.20	<=-25	Pass
				0	40	12.14	/	/	/
				40	40	-21.87	-34.01	<=-25	Pass
				80	40	-34.88	-47.02	<=-40	Pass
		5310	1	-80	40	-33.01	-46.14	<=-40	Pass
				-40	40	-23.04	-36.17	<=-25	Pass
				0	40	13.13	/	/	/
				40	40	-22.45	-35.58	<=-25	Pass
				80	40	-34.92	-48.05	<=-40	Pass
802.11ac (VHT80)	SISO	5290	1	-80	80	-21.65	-33.94	<=-25	Pass
				0	80	12.29	/	/	/
				80	80	-23.25	-35.54	<=-25	Pass

4.2 Test Graph

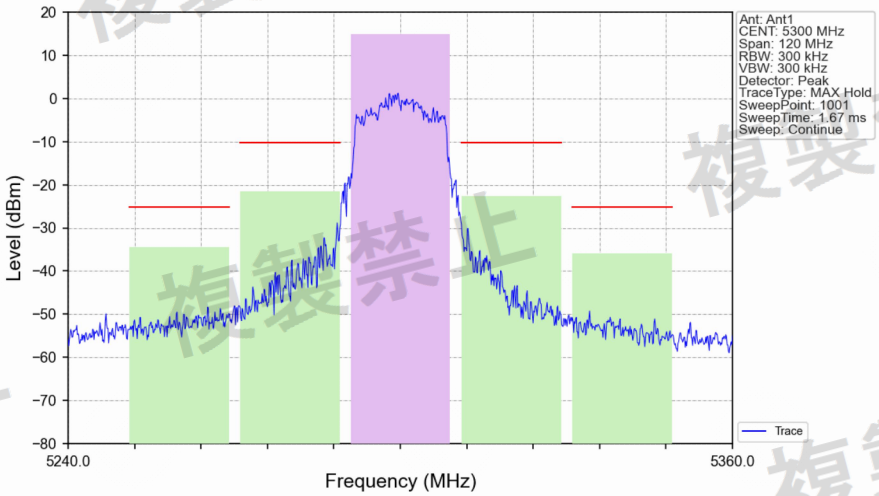
4.2.1 ACLR_NTNV_SISO

802.11a_LCH_5260MHz_Ant1_NTNV



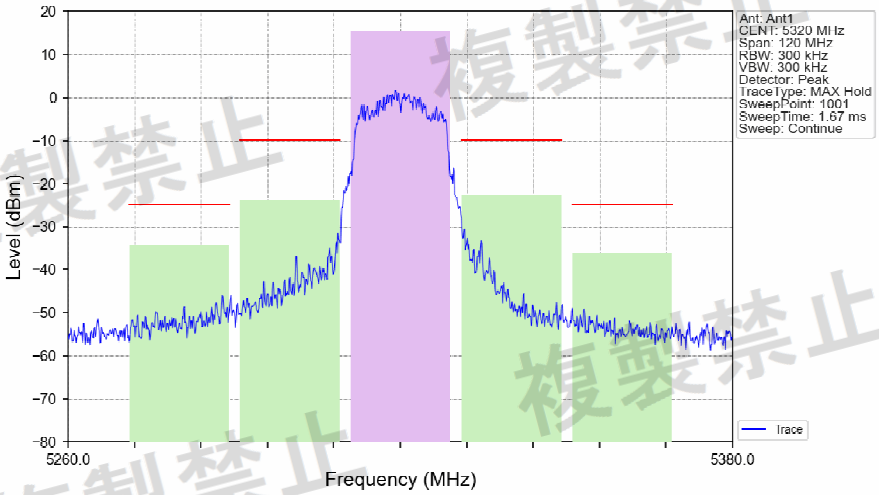
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-34.01	-47.98	-40	7.98	Pass
Adjacent	-20	18.00	-21.01	-34.98	-25	9.98	Pass
Carrier	/	18.00	13.97	/	/	/	/
Adjacent	20	18.00	-21.41	-35.38	-25	10.38	Pass
Alternate	40	18.00	-35.72	-49.69	-40	9.69	Pass

802.11a_MCH_5300MHz_Ant1_NTNV



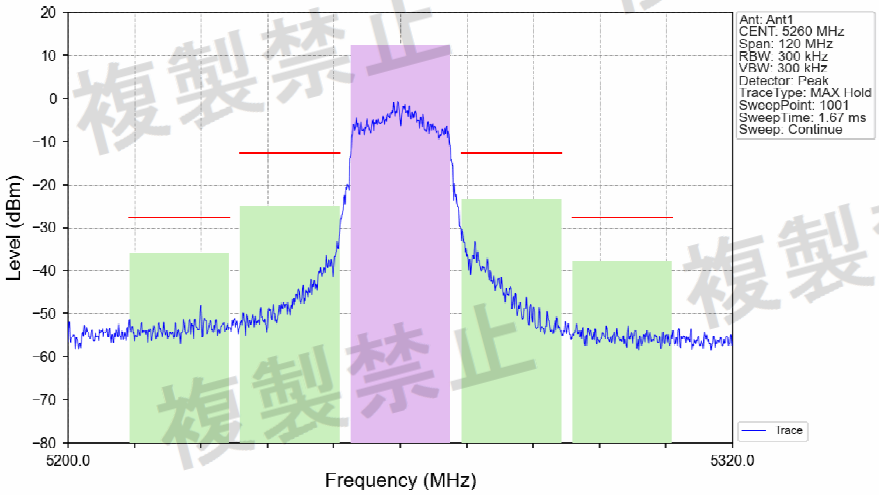
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-34.54	-49.38	-40	9.38	Pass
Adjacent	-20	18.00	-21.54	-36.38	-25	11.38	Pass
Carrier	/	18.00	14.84	/	/	/	/
Adjacent	20	18.00	-22.60	-37.44	-25	12.44	Pass
Alternate	40	18.00	-35.95	-50.79	-40	10.79	Pass

802.11a_HCH_5320MHz_Ant1_NTNV



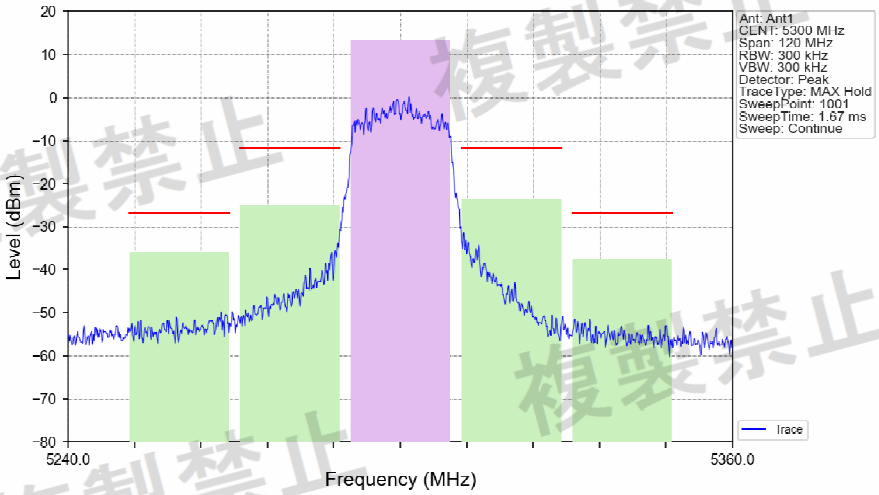
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-34.20	-49.41	-40	9.41	Pass
Adjacent	-20	18.00	-23.87	-39.08	-25	14.08	Pass
Carrier	/	18.00	15.21	/	/	/	/
Adjacent	20	18.00	-22.74	-37.95	-25	12.95	Pass
Alternate	40	18.00	-36.06	-51.27	-40	11.27	Pass

802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



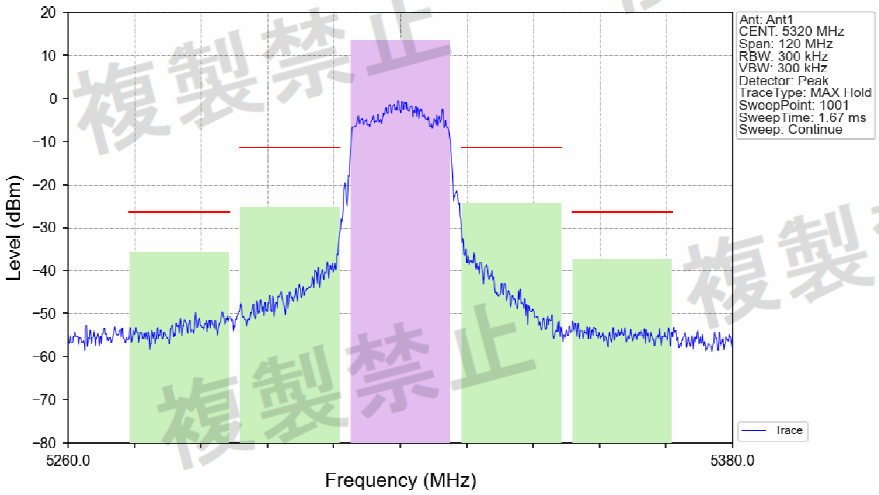
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-35.93	-48.28	-40	8.28	Pass
Adjacent	-20	18.00	-24.96	-37.31	-25	12.31	Pass
Carrier	/	18.00	12.35	/	/	/	/
Adjacent	20	18.00	-23.37	-35.72	-25	10.72	Pass
Alternate	40	18.00	-37.76	-50.11	-40	10.11	Pass

802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



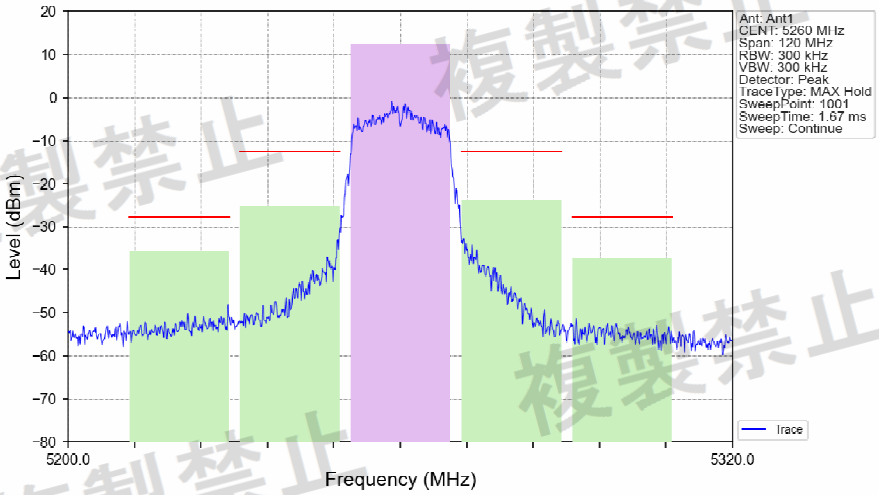
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-35.94	-49.17	-40	9.17	Pass
Adjacent	-20	18.00	-25.02	-38.25	-25	13.25	Pass
Carrier	/	18.00	13.23	/	/	/	/
Adjacent	20	18.00	-23.46	-36.69	-25	11.69	Pass
Alternate	40	18.00	-37.57	-50.80	-40	10.80	Pass

802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



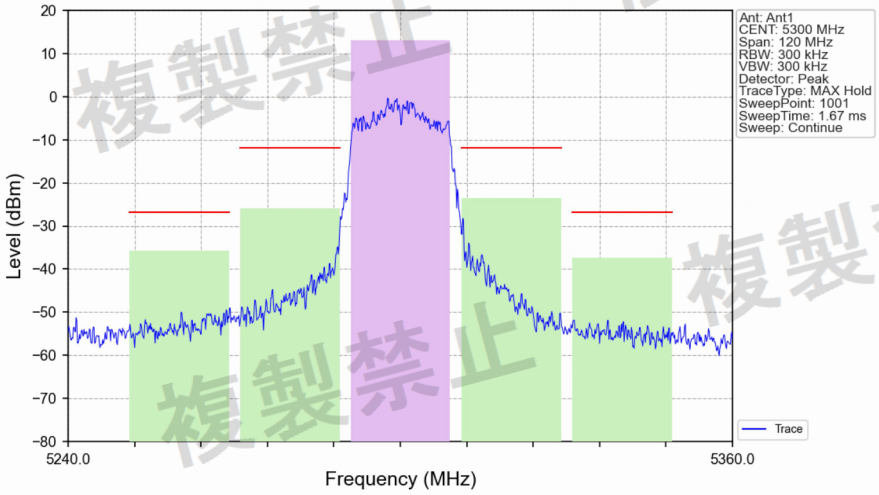
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-35.74	-49.32	-40	9.32	Pass
Adjacent	-20	18.00	-25.16	-38.74	-25	13.74	Pass
Carrier	/	18.00	13.58	/	/	/	/
Adjacent	20	18.00	-24.28	-37.86	-25	12.86	Pass
Alternate	40	18.00	-37.24	-50.82	-40	10.82	Pass

802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



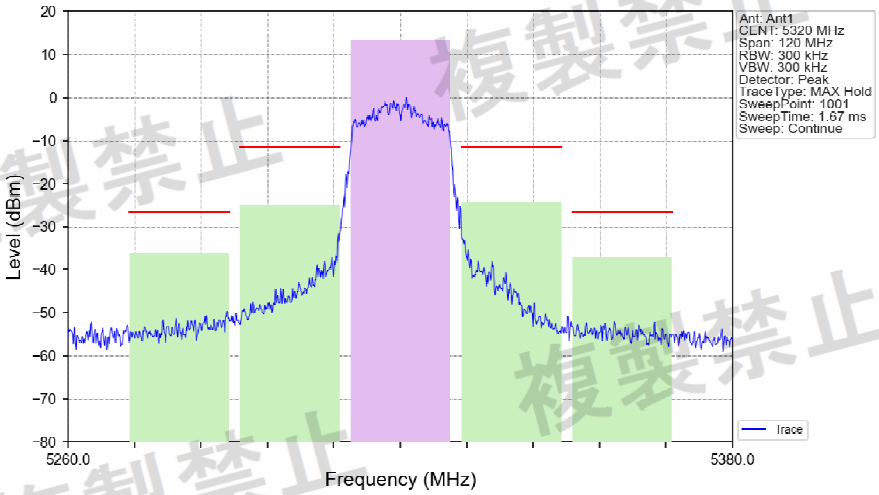
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-35.75	-48.09	-40	8.09	Pass
Adjacent	-20	18.00	-25.11	-37.45	-25	12.45	Pass
Carrier	/	18.00	12.34	/	/	/	/
Adjacent	20	18.00	-23.88	-36.22	-25	11.22	Pass
Alternate	40	18.00	-37.36	-49.70	-40	9.70	Pass

802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



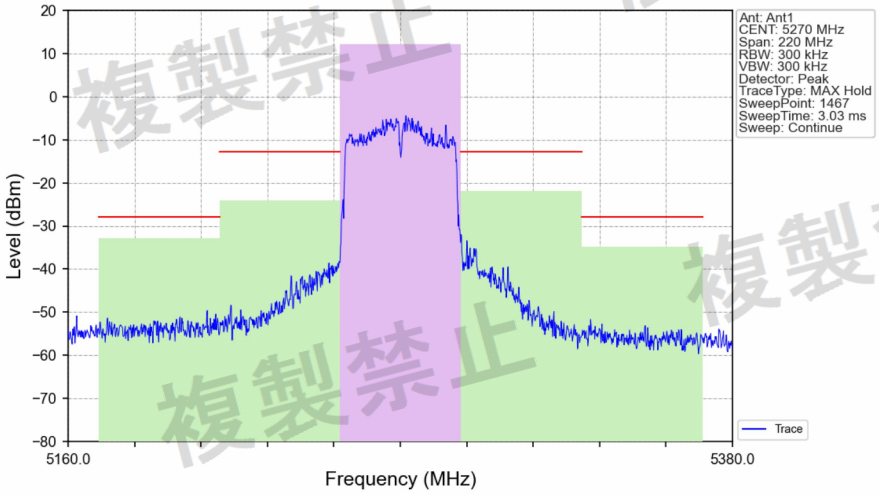
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-35.68	-48.79	-40	8.79	Pass
Adjacent	-20	18.00	-25.82	-38.93	-25	13.93	Pass
Carrier	/	18.00	13.11	/	/	/	/
Adjacent	20	18.00	-23.60	-36.71	-25	11.71	Pass
Alternate	40	18.00	-37.33	-50.44	-40	10.44	Pass

802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



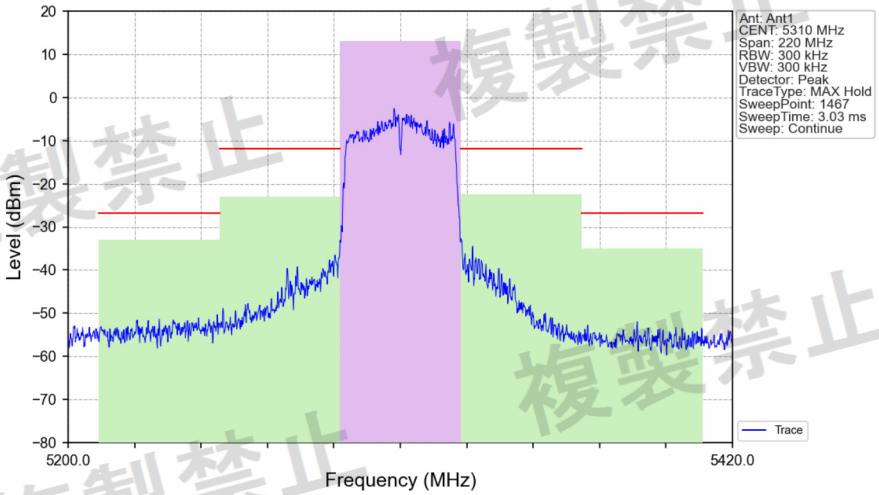
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-36.10	-49.54	-40	9.54	Pass
Adjacent	-20	18.00	-24.95	-38.39	-25	13.39	Pass
Carrier	/	18.00	13.44	/	/	/	/
Adjacent	20	18.00	-24.39	-37.83	-25	12.83	Pass
Alternate	40	18.00	-37.19	-50.63	-40	10.63	Pass

802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



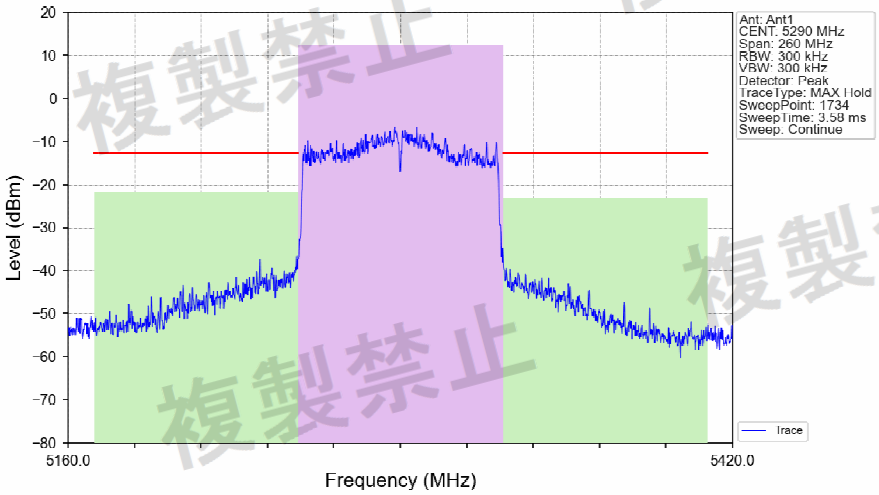
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-80	40.00	-32.80	-44.94	-40	4.94	Pass
Adjacent	-40	40.00	-24.06	-36.20	-25	11.20	Pass
Carrier	/	40.00	12.14	/	/	/	/
Adjacent	40	40.00	-21.87	-34.01	-25	9.01	Pass
Alternate	80	40.00	-34.88	-47.02	-40	7.02	Pass

802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-80	40.00	-33.01	-46.14	-40	6.14	Pass
Adjacent	-40	40.00	-23.04	-36.17	-25	11.17	Pass
Carrier	/	40.00	13.13	/	/	/	/
Adjacent	40	40.00	-22.45	-35.58	-25	10.58	Pass
Alternate	80	40.00	-34.92	-48.05	-40	8.05	Pass

802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Adjacent	-80	80.00	-21.65	-33.94	-25	8.94	Pass
Carrier	/	80.00	12.29	/	/	/	/
Adjacent	80	80.00	-23.25	-35.54	-25	10.54	Pass

5. Out Of Bands Leakage Power

5.1 Test Result

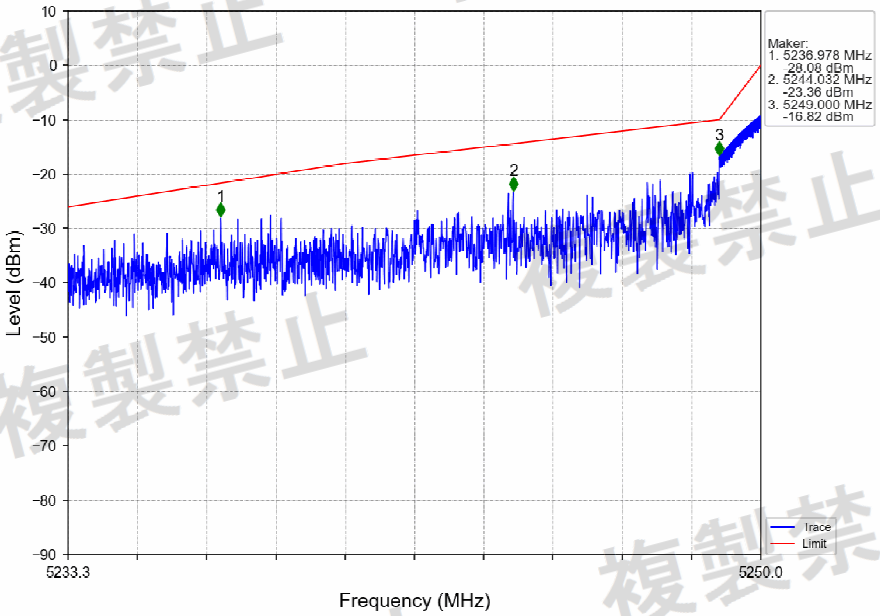
5.1.1 OOB_NTNV_SISO

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	5260	1	5233.3	5240	5236.978	-23.63	4.335	/	/	6.876	Pass
				5240	5249	5244.032	-18.91	12.853	/	/	36.174	Pass
				5249	5250	5249	-12.37	57.943	/	/	100	Pass
		5300	1	5233.3	5240	5233.307	-43.41	0.046	/	/	2.494	Pass
				5240	5249	5240.315	-42.75	0.053	/	/	16.904	Pass
				5249	5250	5249.005	-39.63	0.109	/	/	101.158	Pass
		5320	1	5233.3	5240	5233.635	-42.77	0.053	/	/	2.73	Pass
				5240	5249	5240.198	-42.82	0.052	/	/	16.504	Pass
				5249	5250	5249.053	-41.59	0.069	/	/	112.98	Pass
802.11n (HT20)	SISO	5260	1	5233.3	5240	5236.395	-33.37	0.460	/	/	5.853	Pass
				5240	5249	5248.919	-15.60	27.542	/	/	98.356	Pass
				5249	5250	5249.366	-6.77	210.378	/	/	232.274	Pass
		5300	1	5233.3	5240	5233.387	-43.41	0.046	/	/	2.549	Pass
				5240	5249	5240.126	-42.54	0.056	/	/	16.263	Pass
				5249	5250	5249.058	-40.39	0.091	/	/	114.288	Pass
		5320	1	5233.3	5240	5233.3	-43.32	0.047	/	/	2.489	Pass
				5240	5249	5240.432	-43.08	0.049	/	/	17.314	Pass
				5249	5250	5249.053	-41.08	0.078	/	/	112.98	Pass
802.11ac (VHT20)	SISO	5260	1	5233.3	5240	5233.789	-34.90	0.324	/	/	2.849	Pass
				5240	5249	5248.757	-15.65	27.227	/	/	95.148	Pass
				5249	5250	5249.148	-8.94	127.644	/	/	140.605	Pass
		5300	1	5233.3	5240	5233.327	-44.05	0.039	/	/	2.507	Pass
				5240	5249	5240.54	-43.31	0.047	/	/	17.701	Pass
				5249	5250	5249.001	-42.37	0.058	/	/	100.231	Pass
		5320	1	5233.3	5240	5233.588	-43.35	0.046	/	/	2.695	Pass
				5240	5249	5240.45	-42.82	0.052	/	/	17.378	Pass
				5249	5250	5249.017	-42.38	0.058	/	/	103.992	Pass
802.11ac (VHT40)	SISO	5270	1	5221.6	5230	5223.986	-36.40	0.229	/	/	3.452	Pass
				5230	5249	5245.2	-24.69	3.396	/	/	34.592	Pass
				5249	5250	5249.014	-22.21	6.012	/	/	51.638	Pass
				5350	5358.4	5356.115	-42.58	0.055	/	/	15	Pass
		5310	1	5221.6	5230	5222.121	-41.52	0.070	/	/	2.668	Pass
				5230	5249	5230.646	-40.33	0.093	/	/	8.437	Pass
				5249	5250	5249.026	-38.10	0.155	/	/	53.085	Pass
				5350	5358.4	5350.42	-31.95	0.638	/	/	15	Pass
802.11ac (VHT80)	SISO	5290	1	5203.3	5210	5204.158	-32.53	0.558	/	/	2.647	Pass
				5210	5249	5236.754	-28.24	1.500	/	/	14.02	Pass
				5249	5250	5249.072	-21.14	7.691	/	/	29.508	Pass
				5350	5376.8	5355.306	-32.74	0.532	/	/	15	Pass

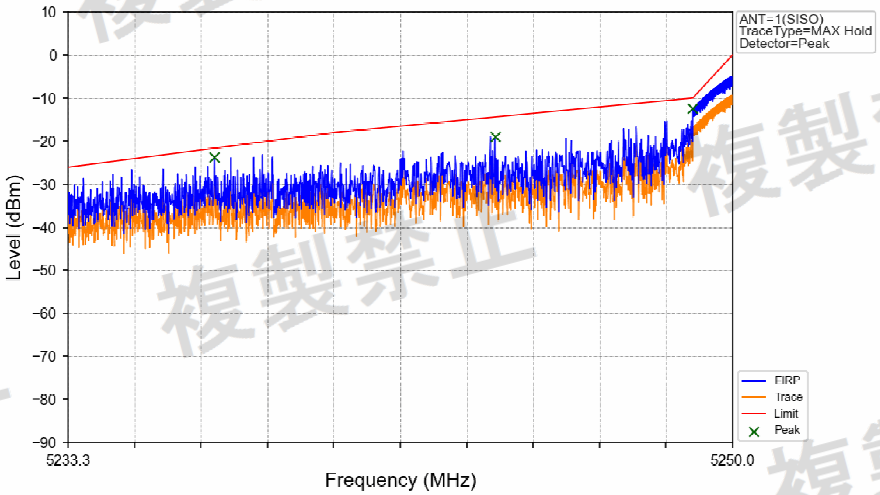
5.2 Test Graph

5.2.1 OOB_NTNV_SISO

802.11a_LCH_5260MHz_Ant1_NTNV

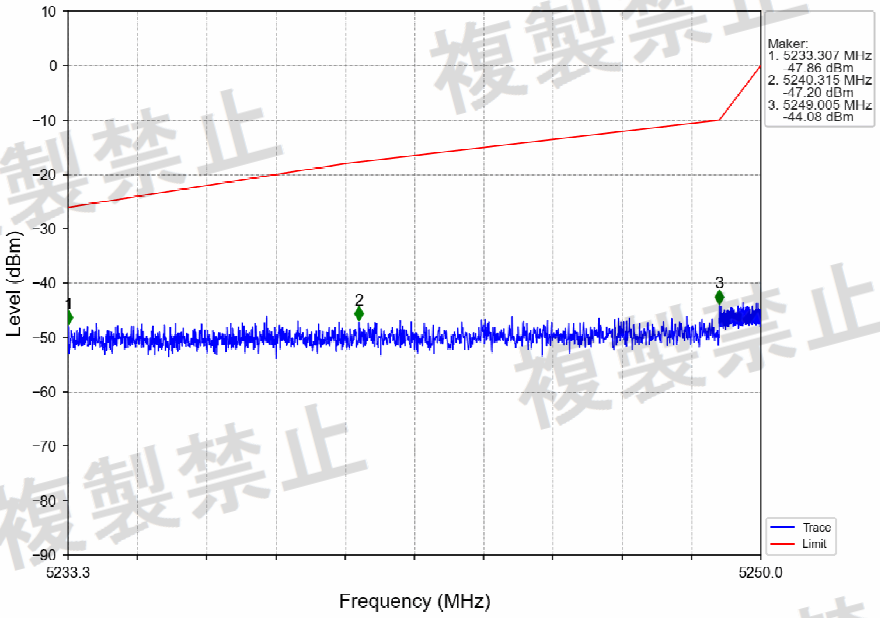


802.11a_LCH_5260MHz_Ant1_NTNV

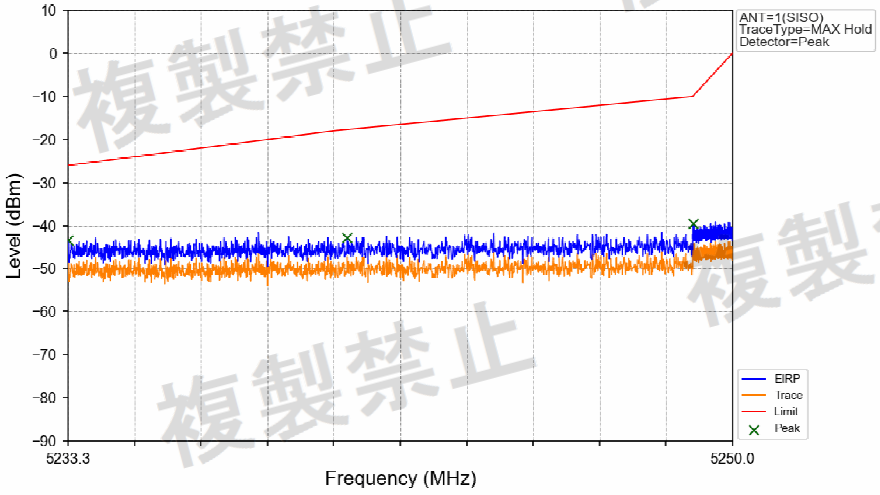


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5233.3	5240	1	1	5236.978	-28.08	/	4.45	-23.63	/	-21.63	Pass
5240	5249	1	1	5244.032	-23.36	/	4.45	-18.91	/	-14.42	Pass
5249	5250	1	1	5249.000	-16.82	/	4.45	-12.37	/	-10	Pass

802.11a_MCH_5300MHz_Ant1_NTNV

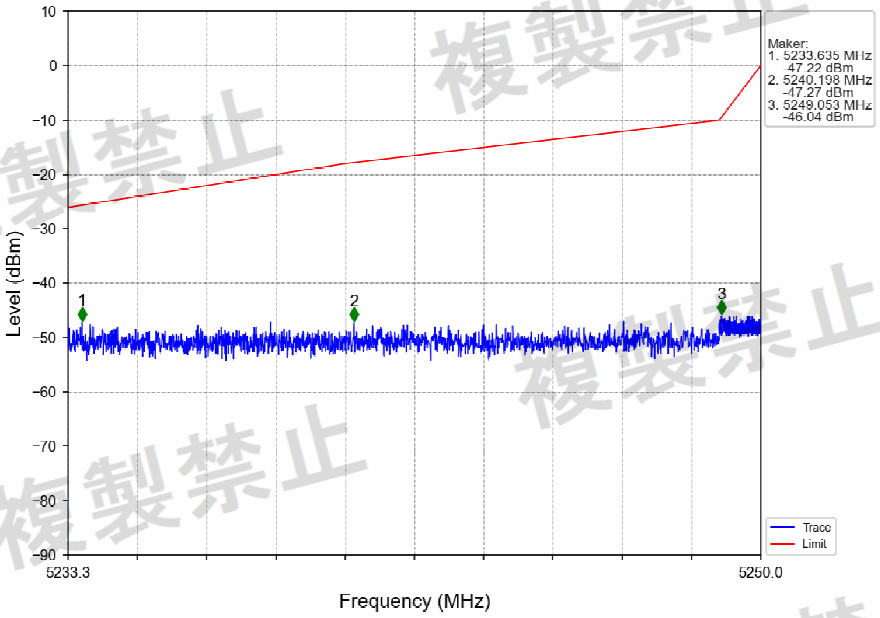


802.11a_MCH_5300MHz_Ant1_NTNV

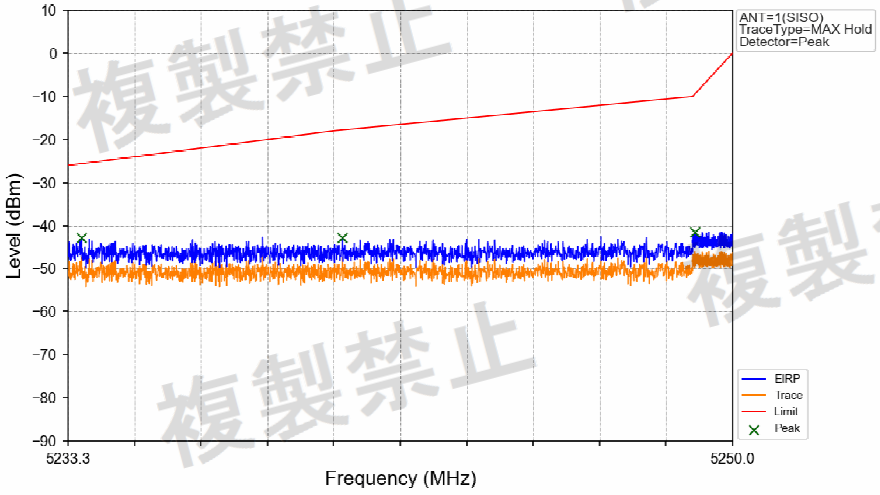


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5233.3	5240	1	1	5233.307	-47.86	/	4.45	-43.41	/	-26.03	Pass
5240	5249	1	1	5240.315	47.20	/	4.45	42.75	/	17.72	Pass
5249	5250	1	1	5249.005	44.08	/	4.45	39.63	/	9.95	Pass

802.11a_HCH_5320MHz_Ant1_NTNV

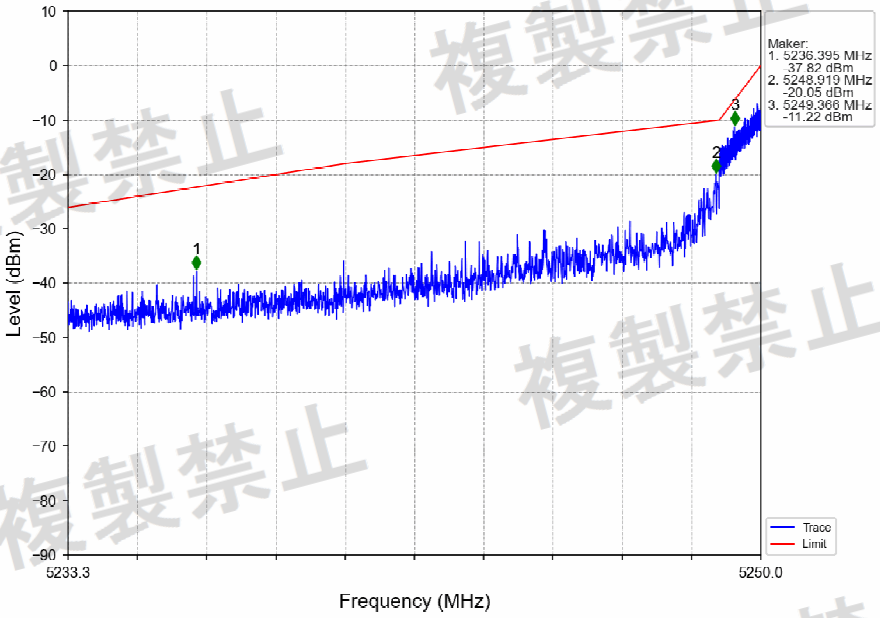


802.11a_HCH_5320MHz_Ant1_NTNV

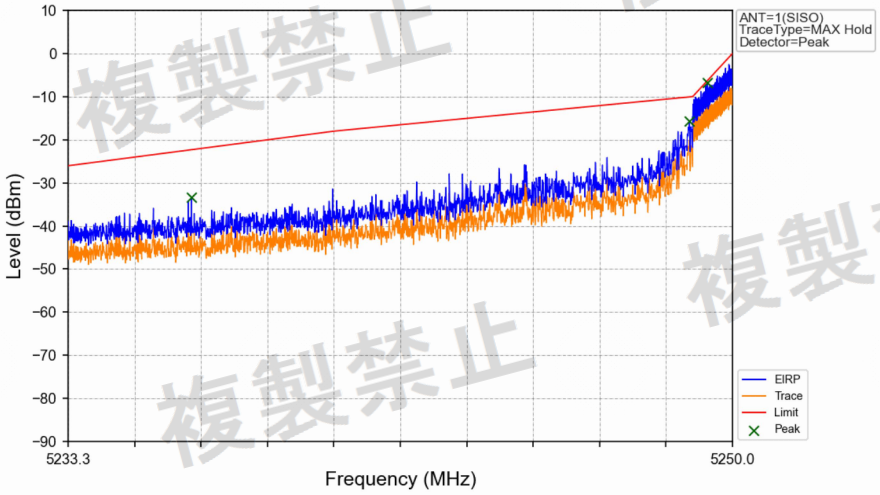


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5233.3	5240	1	1	5233.635	-47.22	/	4.45	-42.77	/	-25.64	Pass
5240	5249	1	1	5240.198	47.27	/	4.45	42.82	/	17.82	Pass
5249	5250	1	1	5249.053	46.04	/	4.45	41.59	/	9.47	Pass

802.11n(HT20)_LCH_5260MHz_Ant1_NTNV

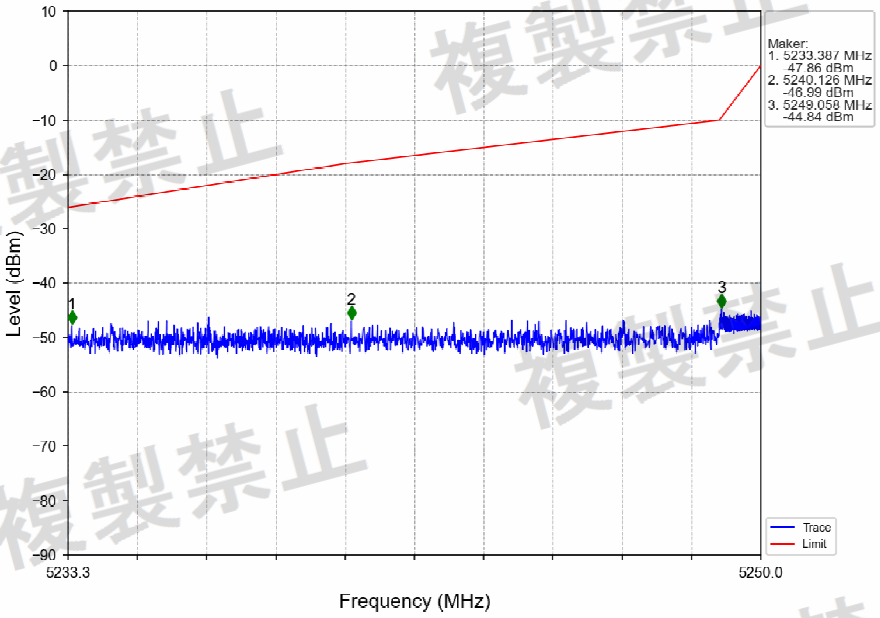


802.11n(HT20)_LCH_5260MHz_Ant1_NTNV

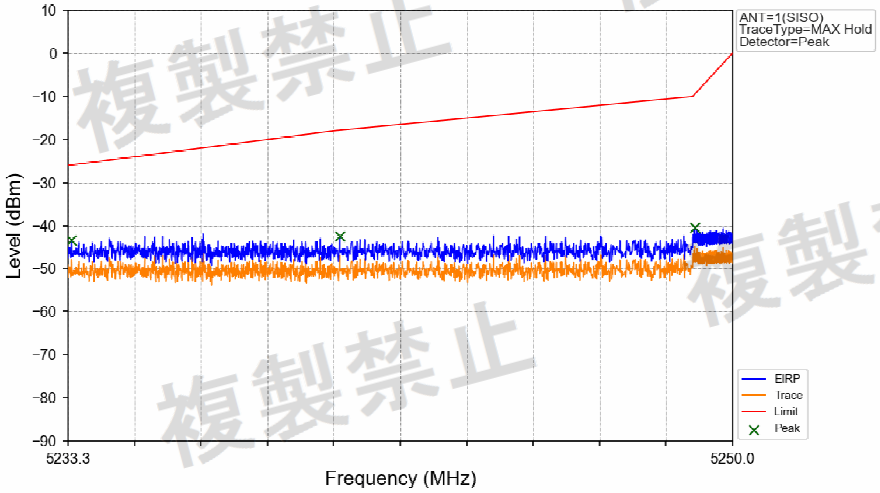


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5233.3	5240	1	1	5236.395	-37.82	/	4.45	-33.37	/	-22.33	Pass
5240	5249	1	1	5248.919	-20.05	/	4.45	-15.60	/	-10.07	Pass
5249	5250	1	1	5249.366	-11.22	/	4.45	-6.77	/	-6.34	Pass

802.11n(HT20)_MCH_5300MHz_Ant1_NTNV

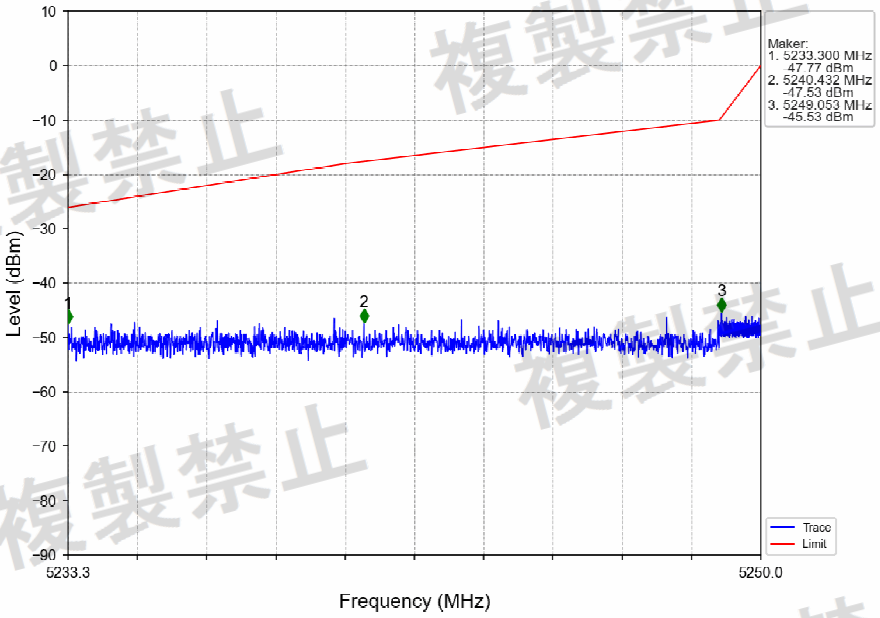


802.11n(HT20)_MCH_5300MHz_Ant1_NTNV

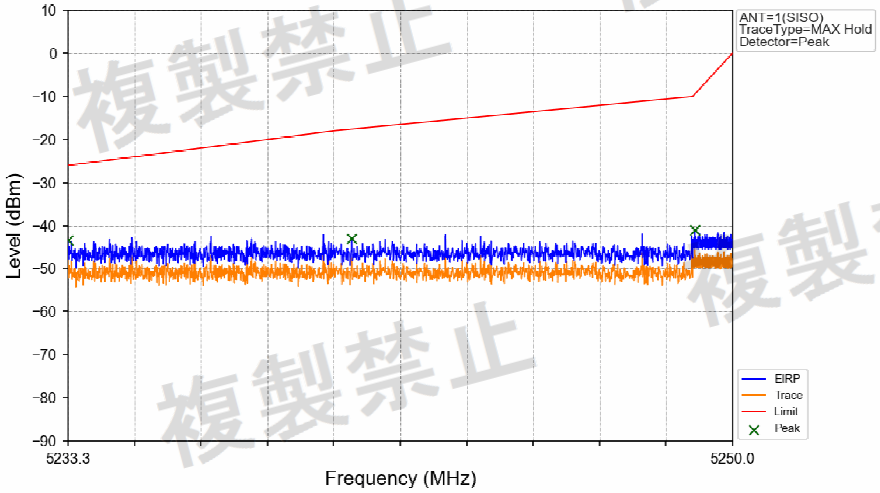


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5233.3	5240	1	1	5233.387	47.86	/	4.45	43.41	/	-25.94	Pass
5240	5249	1	1	5240.126	46.99	/	4.45	42.54	/	17.89	Pass
5249	5250	1	1	5249.058	44.84	/	4.45	40.39	/	9.42	Pass

802.11n(HT20)_HCH_5320MHz_Ant1_NTNV

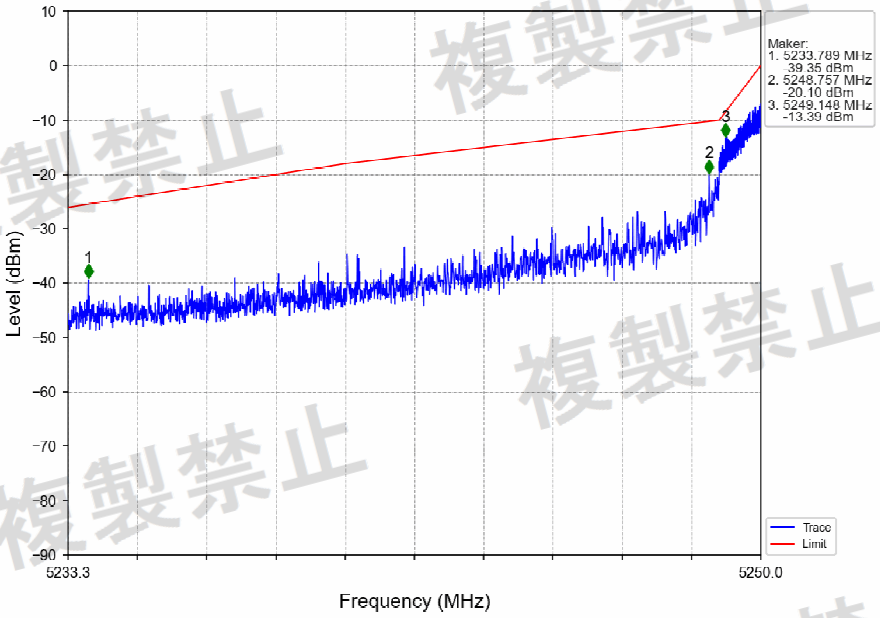


802.11n(HT20)_HCH_5320MHz_Ant1_NTNV

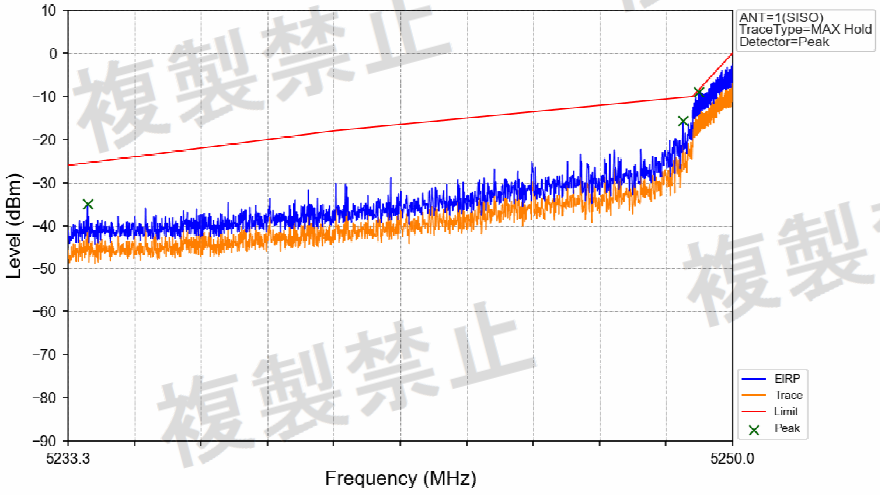


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5233.3	5240	1	1	5233.300	-47.77	/	4.45	-43.32	/	-26.04	Pass
5240	5249	1	1	5240.432	47.53	/	4.45	43.08	/	17.62	Pass
5249	5250	1	1	5249.053	45.53	/	4.45	41.08	/	9.47	Pass

802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV

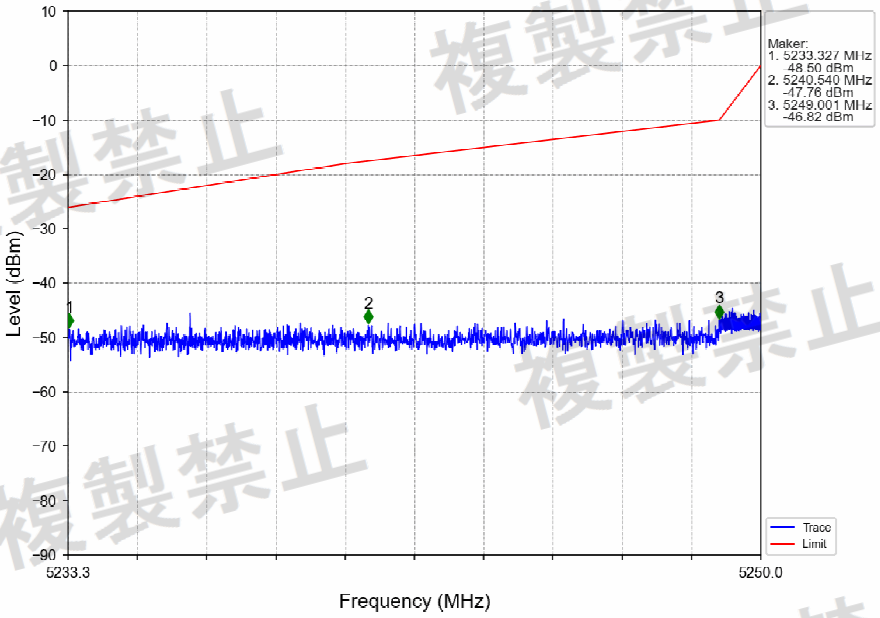


802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV

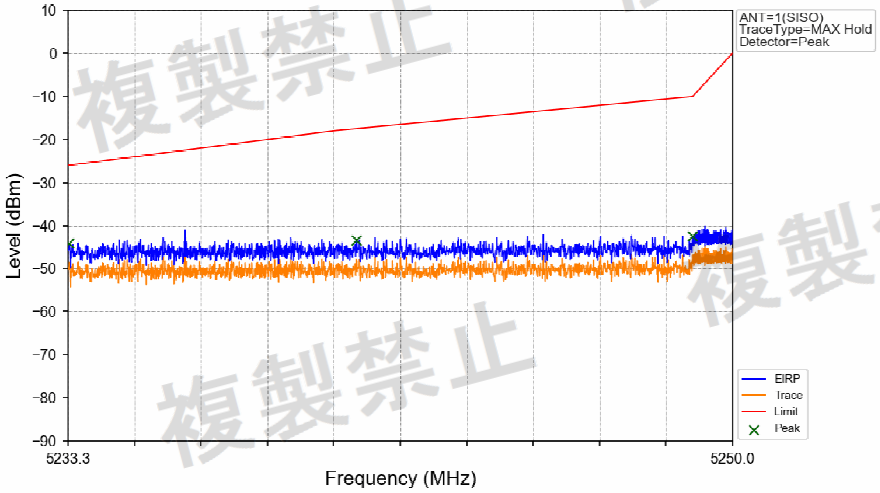


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5233.3	5240	1	1	5233.789	-39.35	/	4.45	-34.90	/	-25.45	Pass
5240	5249	1	1	5248.757	20.10	/	4.45	15.65	/	10.22	Pass
5249	5250	1	1	5249.148	13.39	/	4.45	8.94	/	8.52	Pass

802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV

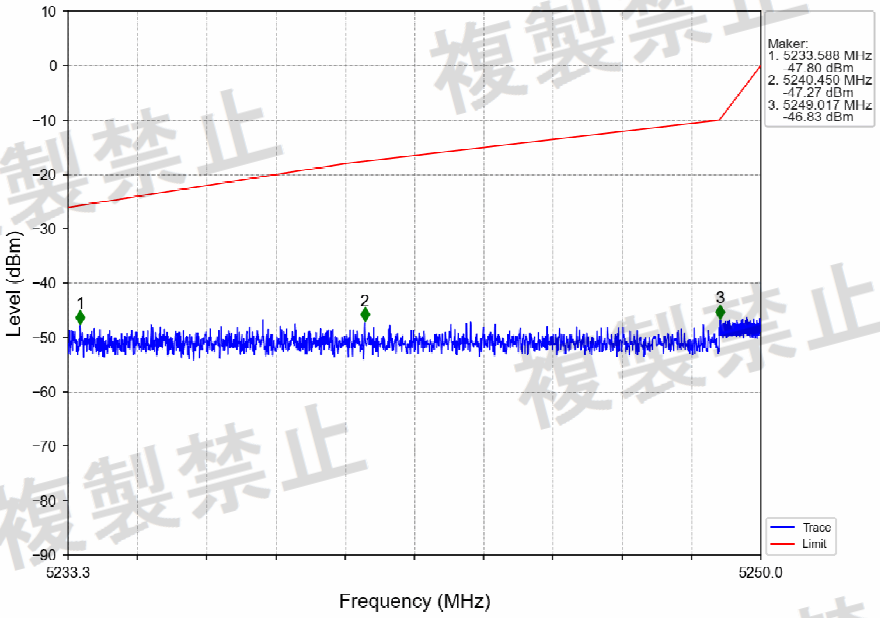


802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV

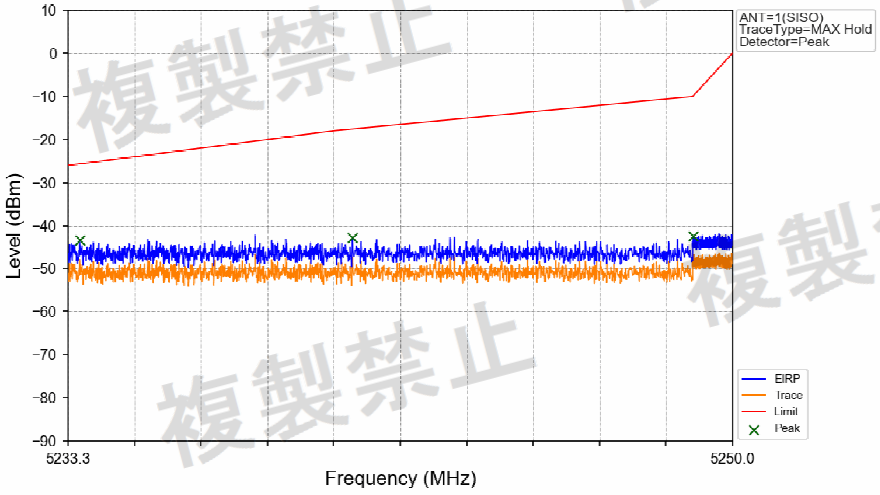


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5233.3	5240	1	1	5233.327	48.50	/	4.45	44.05	/	26.01	Pass
5240	5249	1	1	5240.540	47.76	/	4.45	43.31	/	17.52	Pass
5249	5250	1	1	5249.001	46.82	/	4.45	42.37	/	9.99	Pass

802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV

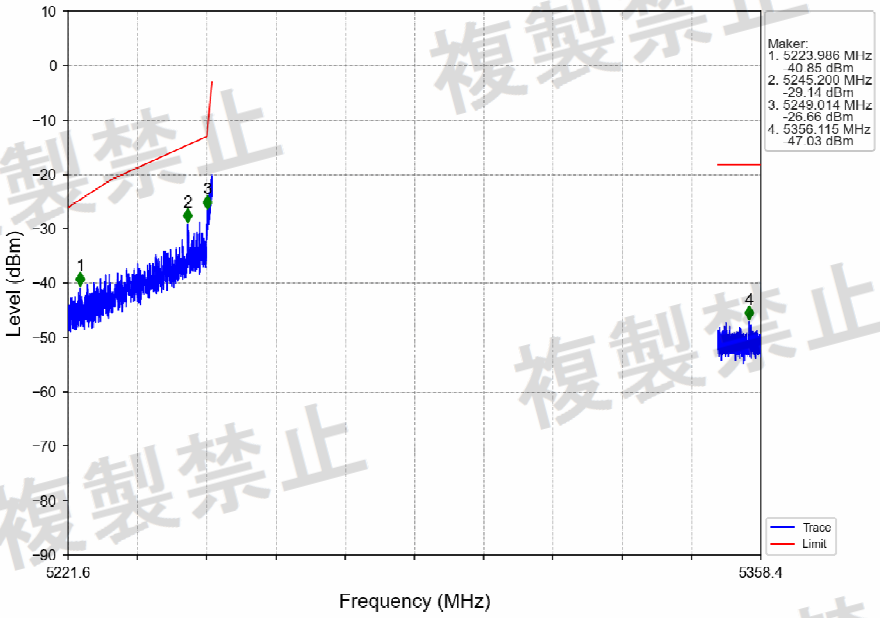


802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV

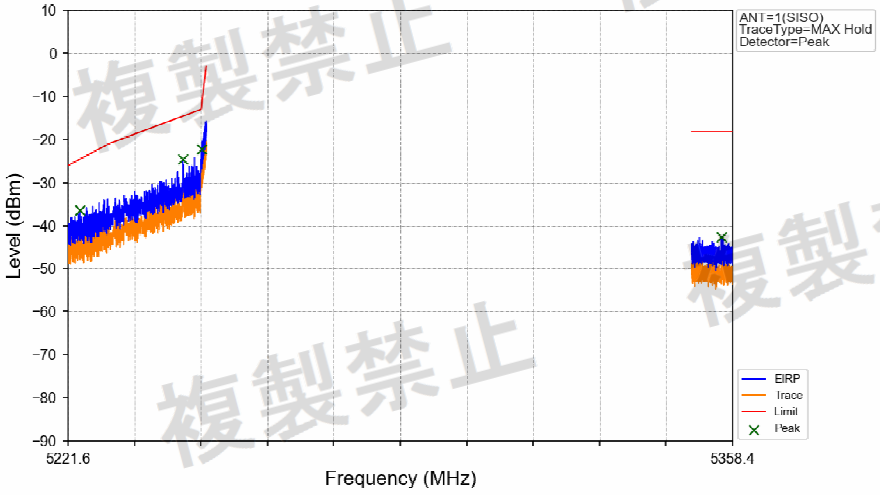


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5233.3	5240	1	1	5233.588	47.80	/	4.45	43.35	/	25.69	Pass
5240	5249	1	1	5240.450	47.27	/	4.45	42.82	/	17.6	Pass
5249	5250	1	1	5249.017	46.83	/	4.45	42.38	/	9.83	Pass

802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV

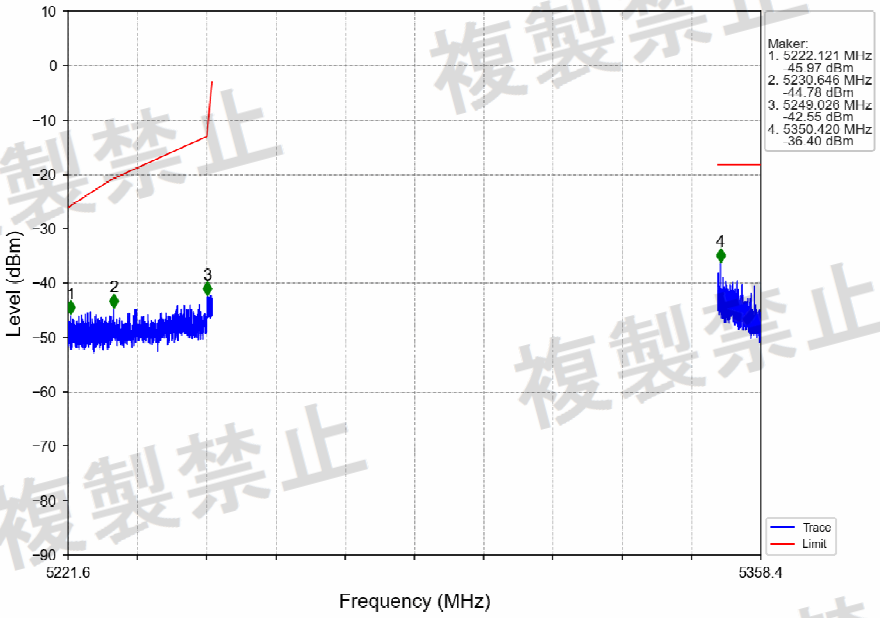


802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV

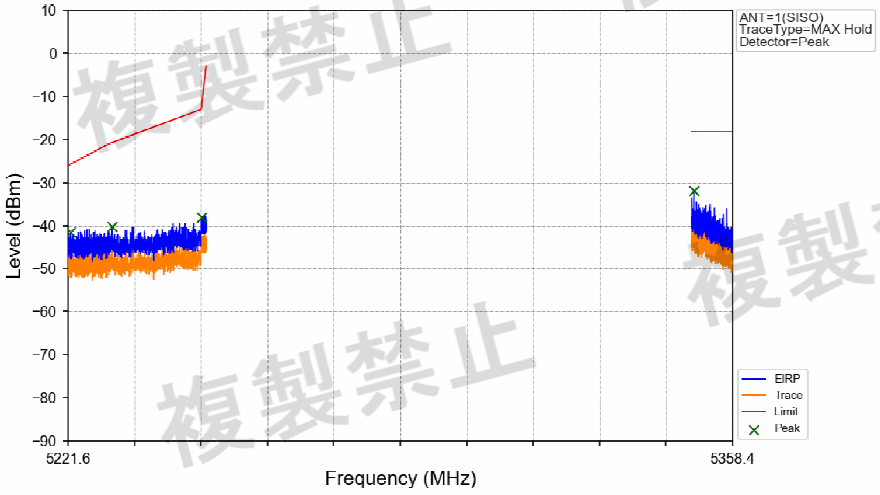


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5221.6	5230	1	1	5223.986	-40.85	/	4.45	-36.40	/	-24.62	Pass
5230	5249	1	1	5245.200	-29.14	/	4.45	-24.69	/	-14.61	Pass
5249	5250	1	1	5249.014	-26.66	/	4.45	-22.21	/	-12.87	Pass
5350	5358.4	1	1	5356.115	-47.03	/	4.45	-42.58	/	-18.24	Pass

802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV

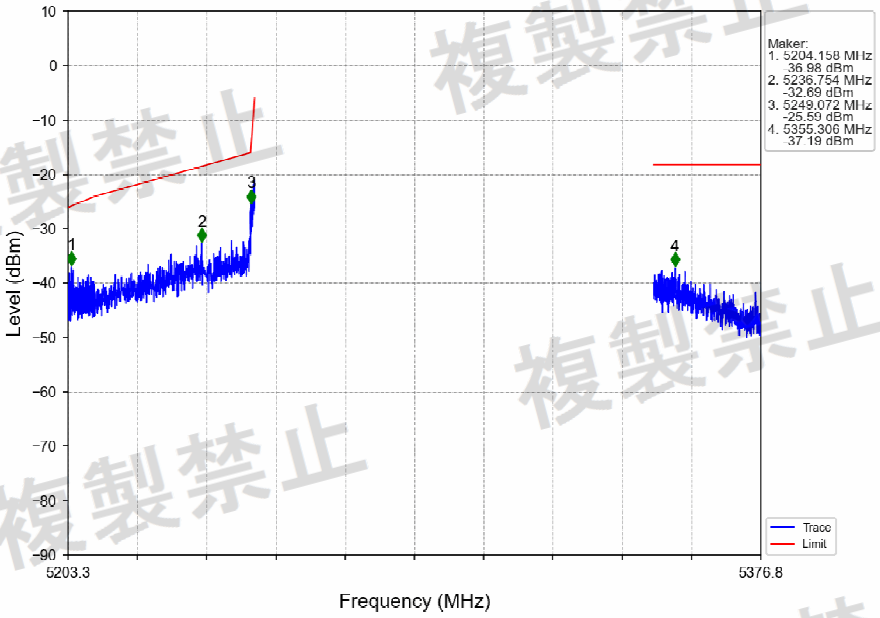


802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV

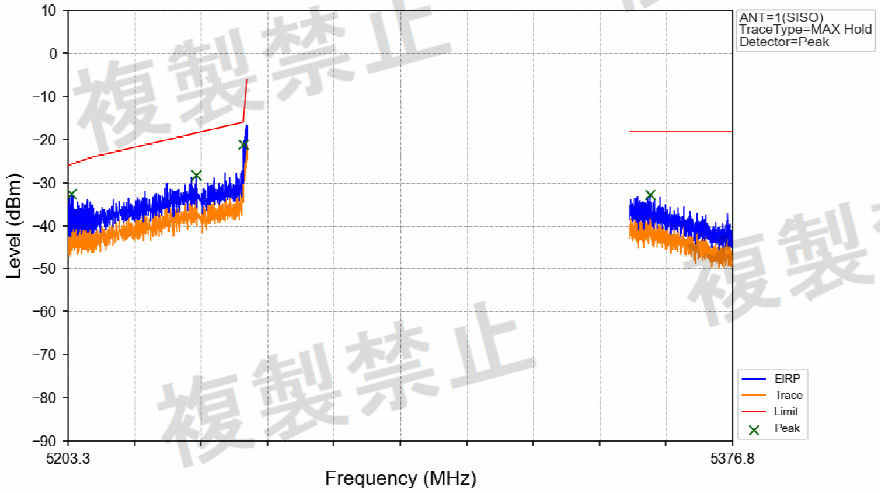


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5221.6	5230	1	1	5222.121	-45.97	/	4.45	-41.52	/	-25.74	Pass
5230	5249	1	1	5230.646	44.78	/	4.45	40.33	/	20.74	Pass
5249	5250	1	1	5249.026	42.55	/	4.45	38.10	/	12.75	Pass
5350	5358.4	1	1	5350.420	36.40	/	4.45	31.95	/	18.24	Pass

802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5290MHz_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
5203.3	5210	1	1	5204.158	-36.98	/	4.45	-32.53	/	-25.77	Pass
5210	5249	1	1	5236.754	32.69	/	4.45	28.24	/	18.53	Pass
5249	5250	1	1	5249.072	25.59	/	4.45	21.14	/	15.3	Pass
5350	5376.8	1	1	5355.306	-37.19	/	4.45	-32.74	/	-18.24	Pass

6. Transmission Burst Length

6.1 Test Result

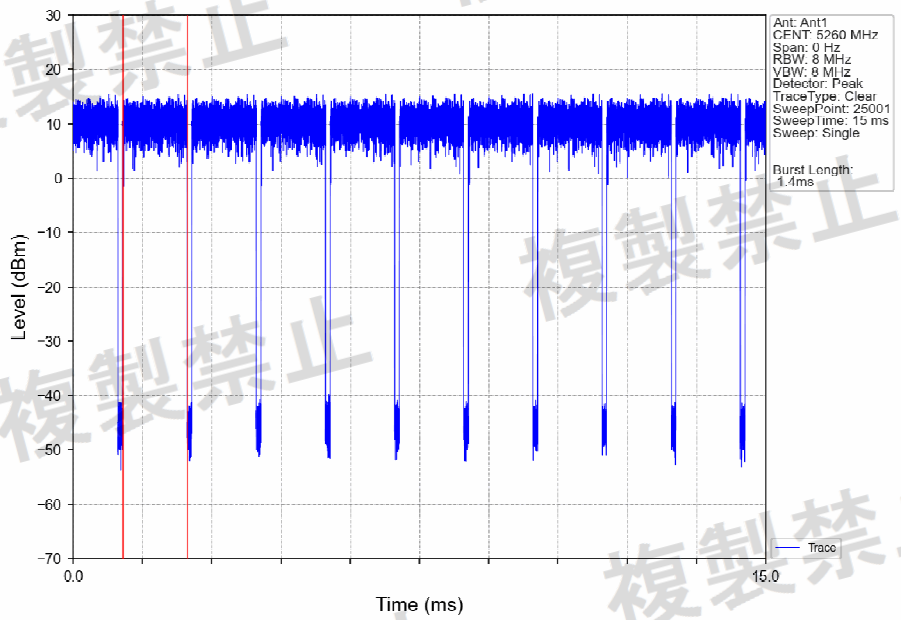
6.1.1 Ant1_NTNV

Ant1_NTNV					
Mode	TX Type	Frequency (MHz)	Burst Length (ms)		Verdict
			Result	Limit	
802.11a	SISO	5260	1.398	<=8	Pass
		5300	1.398	<=8	Pass
		5320	1.398	<=8	Pass
802.11n (HT20)	SISO	5260	1.310	<=8	Pass
		5300	1.310	<=8	Pass
		5320	1.310	<=8	Pass
802.11ac (VHT20)	SISO	5260	1.318	<=8	Pass
		5300	1.318	<=8	Pass
		5320	1.318	<=8	Pass
802.11ac (VHT40)	SISO	5270	0.657	<=8	Pass
		5310	0.657	<=8	Pass
802.11ac (VHT80)	SISO	5290	0.330	<=8	Pass

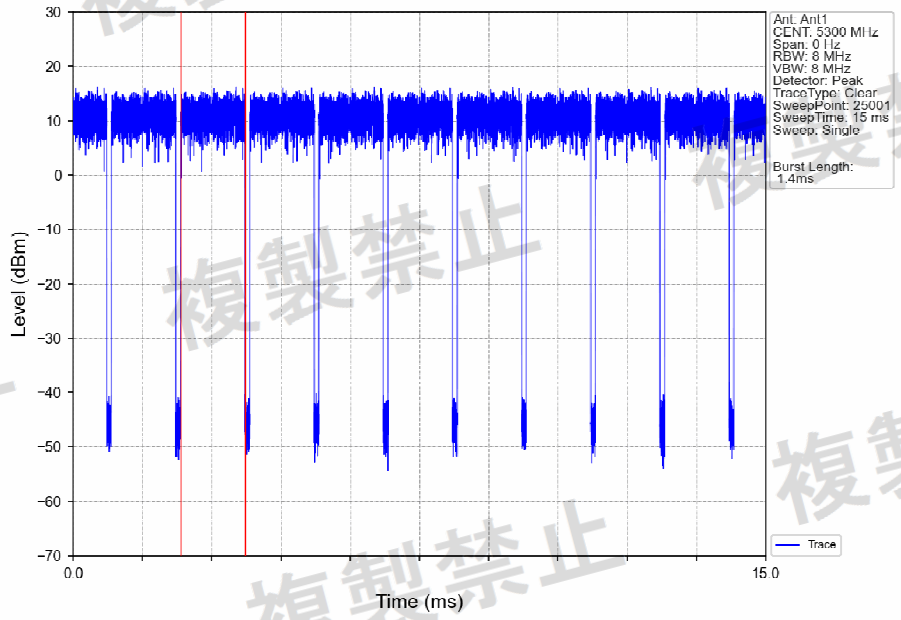
6.2 Test Graph

6.2.1 Ant1_NTNV

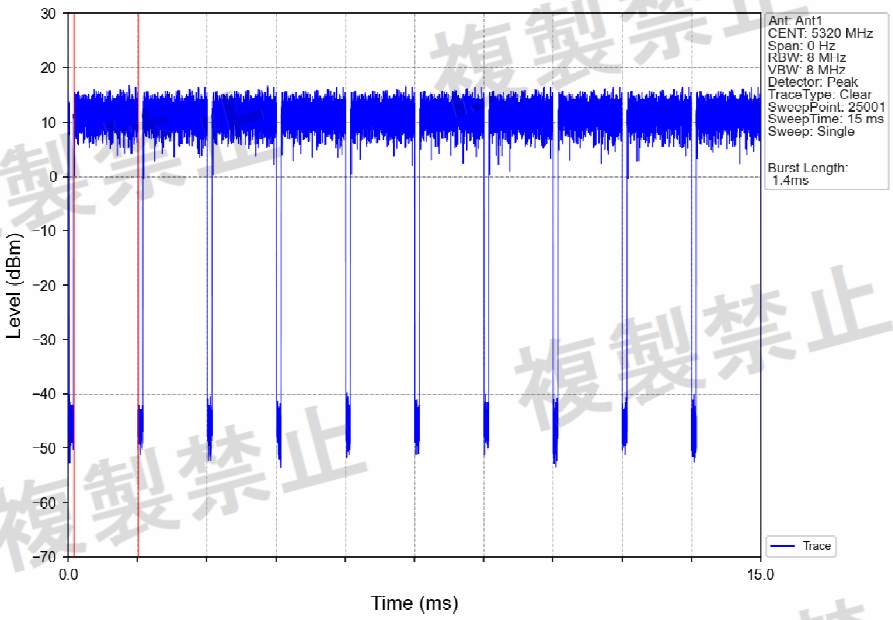
802.11a_LCH_5260MHz_Ant1_NTNV



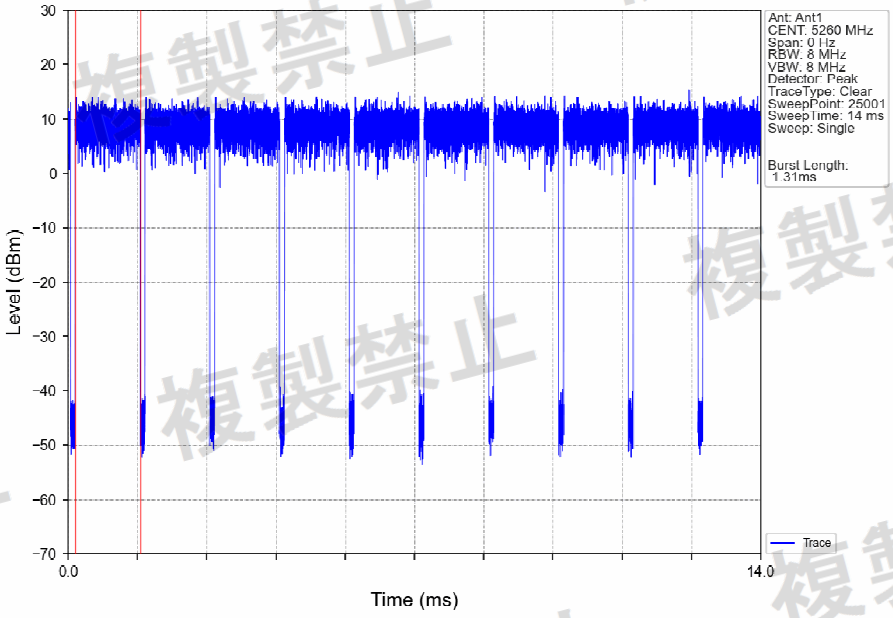
802.11a_MCH_5300MHz_Ant1_NTNV



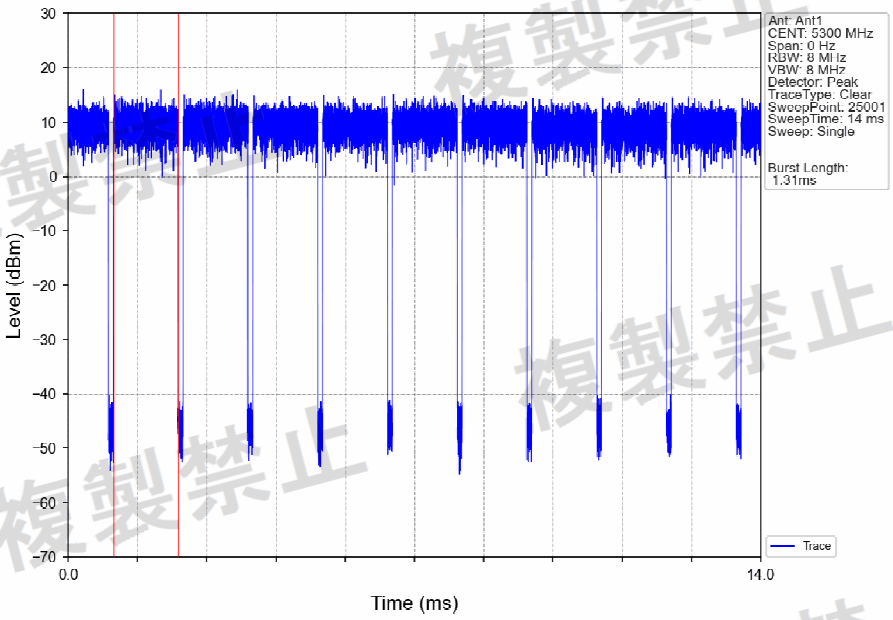
802.11a_HCH_5320MHz_Ant1_NTNV



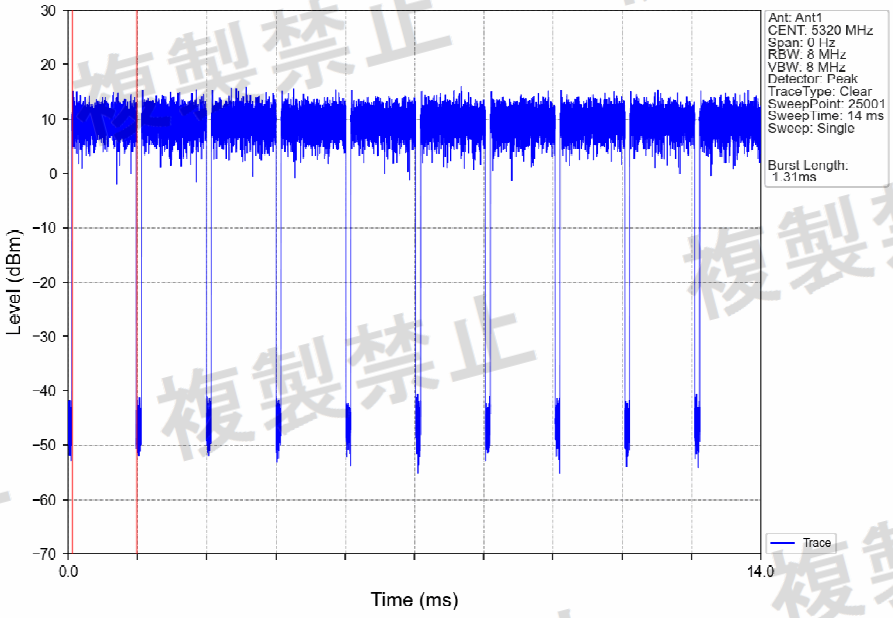
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



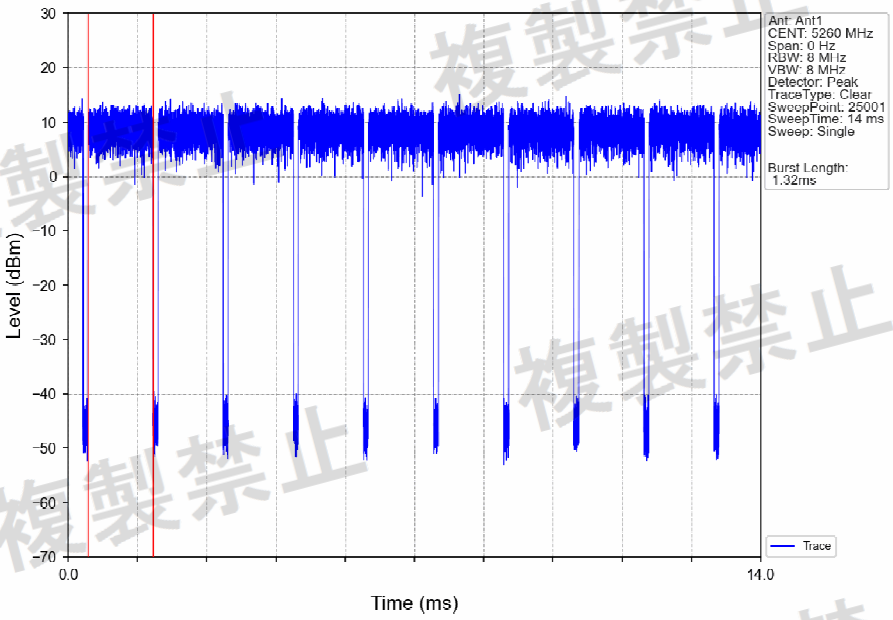
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV

