Appendix:5.3G Wi-Fi

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複製禁止

Antenna and EIRP Power

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	1.360	<=10.00	1.5	-9.33	-80 to 20	Pass
			2	1.031	<=10.00	1.5	-31.27	-80 to 20	Pass
		5300	1	1.658	<=10.00	1.5	10.53	-80 to 20	Pass
			2	1.229	<=10.00	1.5	-18.07	-80 to 20	Pass
		5320	1	1.380	<=10.00	1.5	-8.00	-80 to 20	Pass
			2	1.375	<=10.00	1.5	-8.33	-80 to 20	Pass
802.11n (HT20)	SISO	5260	1	1.339	<=10.00	1.5	-10.73	-80 to 20	Pass
			2	1.033	<=10.00	1.5	-31.13	-80 to 20	Pass
		5300	1	1.609	<=10.00	1.5	7.27	-80 to 20	Pass
			2	1.056	<=10.00	1.5	-29.60	-80 to 20	Pass
		5320	1	1.534	<=10.00	1.5	2.27	-80 to 20	Pass
			2	0.996	<=10.00	1.5	-33.60	-80 to 20	Pass
802.11n (HT40)	SISO	5270	1	0.759	<=5.00	0.8	-5.13	-80 to 20	Pass
			2	0.501	<=5.00	0.8	-37.38	-80 to 20	Pass
		5310	1	0.710	<=5.00	0.8	-11.25	-80 to 20	Pass
			2	0.525	<=5.00	0.8	-34.38	-80 to 20	Pass
802.11n (HT20)	MIMO	5260	1	0.658	<=10.00	-	-	-80 to 20	Pass
			2	0.600	<=10.00	-	-	-80 to 20	Pass
			MIMO	1.258	<=10.00	1.400	-10.14	-80 to 20	Pass
		5300	1	0.633	<=10.00	-	-	-80 to 20	Pass
			2	0.496	<=10.00	-	-	-80 to 20	Pass
			MIMO	1.129	<=10.00	1.400	-19.36	-80 to 20	Pass
		5320	1	0.646	<=10.00	-	-	-80 to 20	Pass
			2	0.479	<=10.00	-	-	-80 to 20	Pass
			MIMO	1.125	<=10.00	0.8	-19.64	-80 to 20	Pass
802.11n (HT40)	MIMO	5270	1	0.344	<=5.00	-	-	-80 to 20	Pass
			2	0.277	<=5.00	-	-	-80 to 20	Pass
			MIMO	0.621	<=5.00	0.8	-22.38	-80 to 20	Pass
		5310	1	0.309	<=5.00	-	-	-80 to 20	Pass
			2	0.256	<=5.00	-	-	-80 to 20	Pass
			MIMO	0.565	<=5.00	0.8	-29.38	-80 to 20	Pass
802.11ac (VHT20)	SISO	5260	1	1.178	<=10.00	1.5	-21.47	-80 to 20	Pass
			2	0.958	<=10.00	1.5	-36.13	-80 to 20	Pass
		5300	1	1.568	<=10.00	1.5	4.53	-80 to 20	Pass
			2	1.242	<=10.00	1.5	-17.20	-80 to 20	Pass
		5320	1	1.295	<=10.00	1.5	-13.67	-80 to 20	Pass

			2	0.954	<=10.00	1.5	-36.40	-80 to 20	Pass
802.11ac (VHT40)	SISO	5270	1	0.758	<=5.00	0.8	-5.25	-80 to 20	Pass
			2	0.622	<=5.00	0.8	-22.25	-80 to 20	Pass
		5310	1	0.601	<=5.00	0.8	-24.88	-80 to 20	Pass
			2	0.578	<=5.00	0.8	-27.75	-80 to 20	Pass
802.11ac (VHT80)	SISO	5290	1	0.390	<=2.50	0.4	-2.50	-80 to 20	Pass
			2	0.279	<=2.50	0.4	-30.25	-80 to 20	Pass
802.11ac (VHT20)	MIMO	5260	1	0.738	<=10.00	-	-	-80 to 20	Pass
			2	0.599	<=10.00	-	-	-80 to 20	Pass
			MIMO	1.337	<=10.00	1.500	-10.87	-80 to 20	Pass
		5300	1	0.740	<=10.00	-	-	-80 to 20	Pass
			2	0.560	<=10.00	-	-	-80 to 20	Pass
			MIMO	1.300	<=10.00	1.500	-13.33	-80 to 20	Pass
		5320	1	0.670	<=10.00	-	-	-80 to 20	Pass
			2	0.468	<=10.00	-	-	-80 to 20	Pass
			MIMO	1.138	<=10.00	1.500	-24.13	-80 to 20	Pass
802.11ac (VHT40)	MIMO	5270	1	0.357	<=5.00	-	-	-80 to 20	Pass
			2	0.261	<=5.00	-	-	-80 to 20	Pass
			MIMO	0.618	<=5.00	0.8	-22.75	-80 to 20	Pass
		5310	1	0.313	<=5.00	-	-	-80 to 20	Pass
			2	0.272	<=5.00	-	-	-80 to 20	Pass
			MIMO	0.585	<=5.00	0.8	-26.88	-80 to 20	Pass
802.11ac (VHT80)	MIMO	5290	1	0.181	<=2.50	-	-	-80 to 20	Pass
			2	0.147	<=2.50	-	-	-80 to 20	Pass
			MIMO	0.328	<=2.50	0.4	-18.00	-80 to 20	Pass

2.1.2 EIRP_NTNV

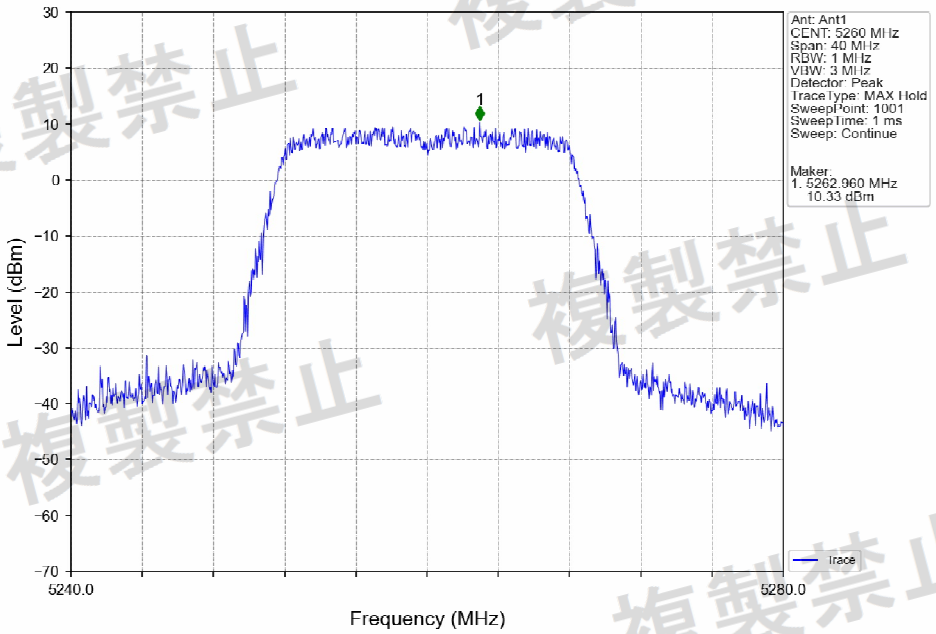
NTNV							
Mode	TX Type	Frequency (MHz)	ANT	Gain (dBi)	EIRP (mW/MHz)		Verdict
					Result	Limit	
802.11a	SISO	5260	1	4.66	3.98	<=5	Pass
			2	4.66	3.02	<=5	Pass
		5300	1	4.66	4.85	<=5	Pass
			2	4.66	3.59	<=5	Pass
		5320	1	4.66	4.04	<=5	Pass
			2	4.66	4.02	<=5	Pass
802.11n (HT20)	SISO	5260	1	4.66	3.92	<=5	Pass
			2	4.66	3.02	<=5	Pass
		5300	1	4.66	4.71	<=5	Pass
			2	4.66	3.09	<=5	Pass
		5320	1	4.66	4.49	<=5	Pass

			2	4.66	2.91	<=5	Pass
802.11n (HT40)	SISO	5270	1	4.66	2.22	<=2.5	Pass
			2	4.66	1.47	<=2.5	Pass
		5310	1	4.66	2.08	<=2.5	Pass
			2	4.66	1.53	<=2.5	Pass
802.11n (HT20)	MIMO	5260	1	4.66	1.92	<=5	Pass
			2	4.66	1.75	<=5	Pass
			MIMO	0.00	3.68	<=5	Pass
		5300	1	4.66	1.85	<=5	Pass
			2	4.66	1.45	<=5	Pass
			MIMO	0.00	3.30	<=5	Pass
		5320	1	4.66	1.89	<=5	Pass
			2	4.66	1.40	<=5	Pass
			MIMO	0.00	3.29	<=5	Pass
802.11n (HT40)	MIMO	5270	1	4.66	1.01	<=2.5	Pass
			2	4.66	0.81	<=2.5	Pass
			MIMO	0.00	1.82	<=2.5	Pass
		5310	1	4.66	0.90	<=2.5	Pass
			2	4.66	0.75	<=2.5	Pass
			MIMO	0.00	1.65	<=2.5	Pass
802.11ac (VHT20)	SISO	5260	1	4.66	3.44	<=5	Pass
			2	4.66	2.80	<=5	Pass
		5300	1	4.66	4.58	<=5	Pass
			2	4.66	3.63	<=5	Pass
		5320	1	4.66	3.79	<=5	Pass
			2	4.66	2.79	<=5	Pass
802.11ac (VHT40)	SISO	5270	1	4.66	2.22	<=2.5	Pass
			2	4.66	1.82	<=2.5	Pass
		5310	1	4.66	1.76	<=2.5	Pass
			2	4.66	1.69	<=2.5	Pass
802.11ac (VHT80)	SISO	5290	1	4.66	1.14	<=1.25	Pass
			2	4.66	0.82	<=1.25	Pass
802.11ac (VHT20)	MIMO	5260	1	4.66	2.16	<=5	Pass
			2	4.66	1.75	<=5	Pass
			MIMO	0.00	3.91	<=5	Pass
		5300	1	4.66	2.16	<=5	Pass
			2	4.66	1.64	<=5	Pass
			MIMO	0.00	3.80	<=5	Pass
		5320	1	4.66	1.96	<=5	Pass
			2	4.66	1.37	<=5	Pass
			MIMO	0.00	3.33	<=5	Pass
802.11ac	MIMO	5270	1	4.66	1.04	<=2.5	Pass

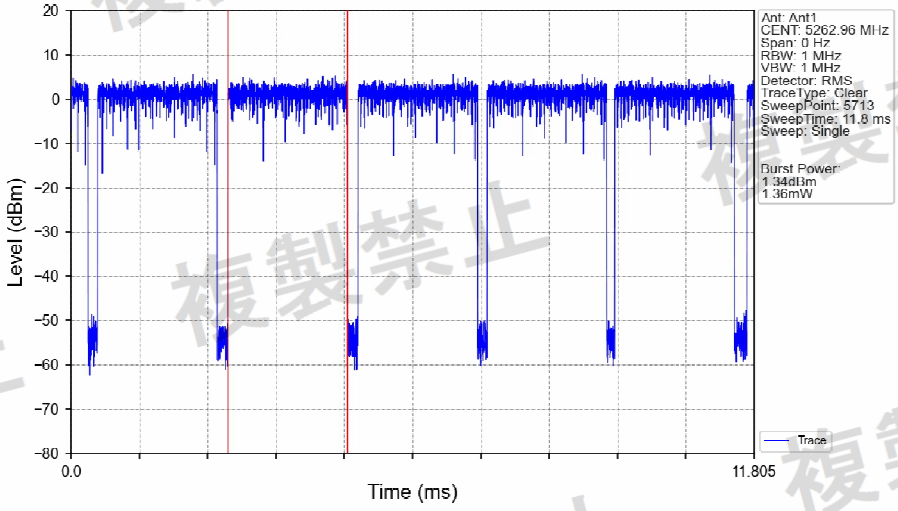
(VHT40)			2	4.66	0.76	<=2.5	Pass
			MIMO	0.00	1.81	<=2.5	Pass
		5310	1	4.66	0.92	<=2.5	Pass
			2	4.66	0.80	<=2.5	Pass
			MIMO	0.00	1.71	<=2.5	Pass
802.11ac (VHT80)	MIMO	5290	1	4.66	0.53	<=1.25	Pass
			2	4.66	0.43	<=1.25	Pass
			MIMO	0.00	0.96	<=1.25	Pass

Test Graph

802.11a_LCH_5260MHz_Ant1_NTNV

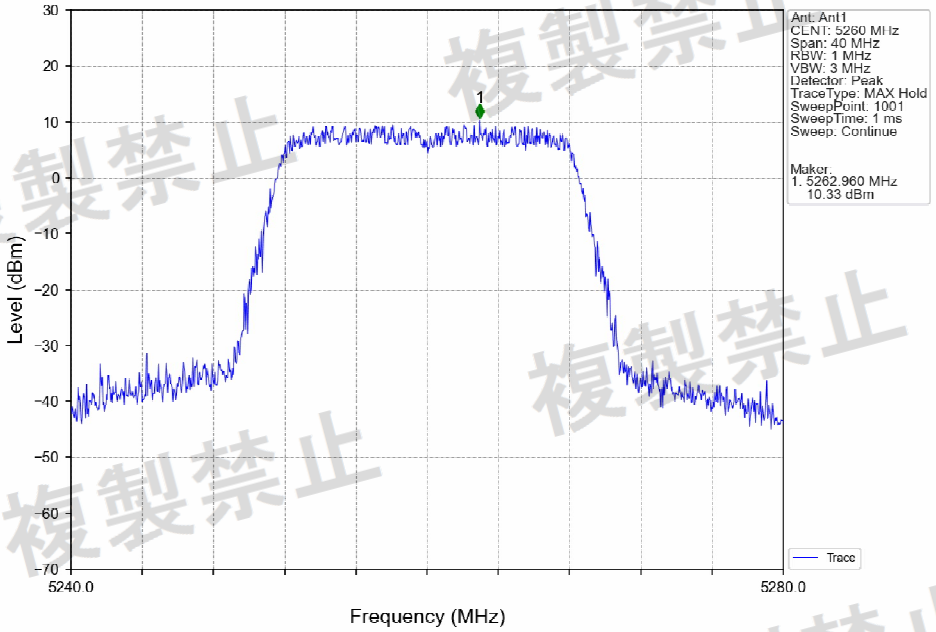


802.11a_LCH_5260MHz_Ant1_NTNV

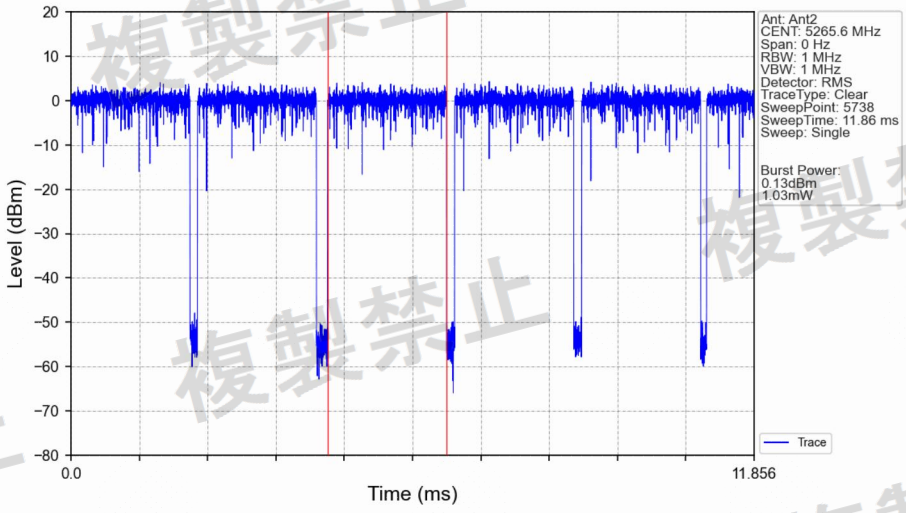


Burst No.	1	**2**	3	4	5
Length (ms)	2.065	**2.067**	2.067	2.067	2.065
Power(dBm)	1.33	**1.34**	1.33	1.33	1.33
Power(mW)	1.358	**1.360**	1.358	1.359	1.358
Remark	/	**Max**	/	/	/

802.11a_LCH_5260MHz_Ant2_NTNV

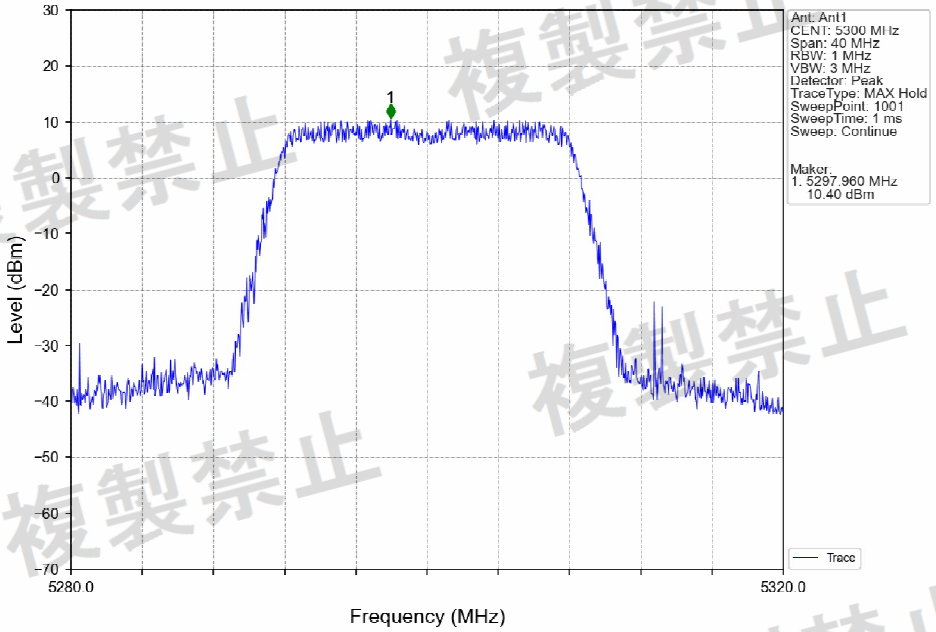


802.11a_LCH_5260MHz_Ant2_NTNV

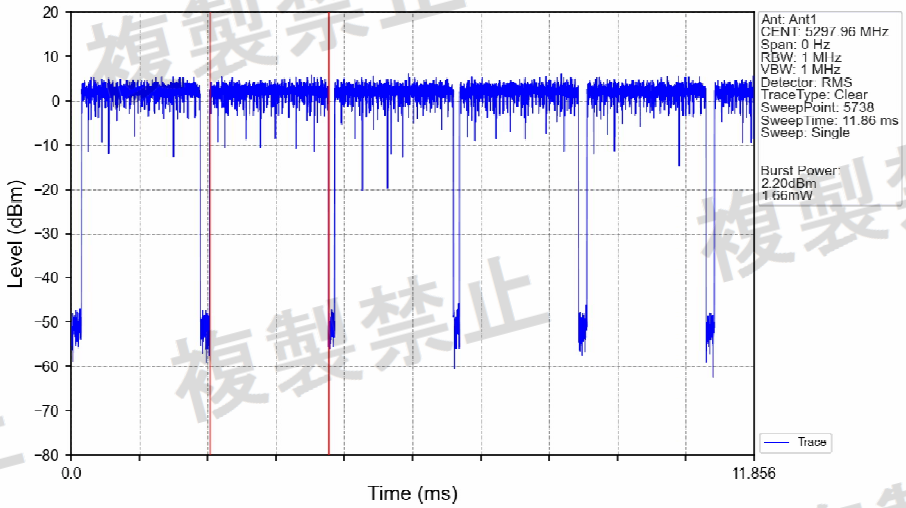


Burst No.	1	**2**	3	4
Length (ms)	2.065	**2.065**	2.065	2.065
Power(dBm)	0.13	**0.13**	0.13	0.12
Power(mW)	1.031	**1.031**	1.030	1.029
Remark	/	**Max**	/	/

802.11a_MCH_5300MHz_Ant1_NTNV

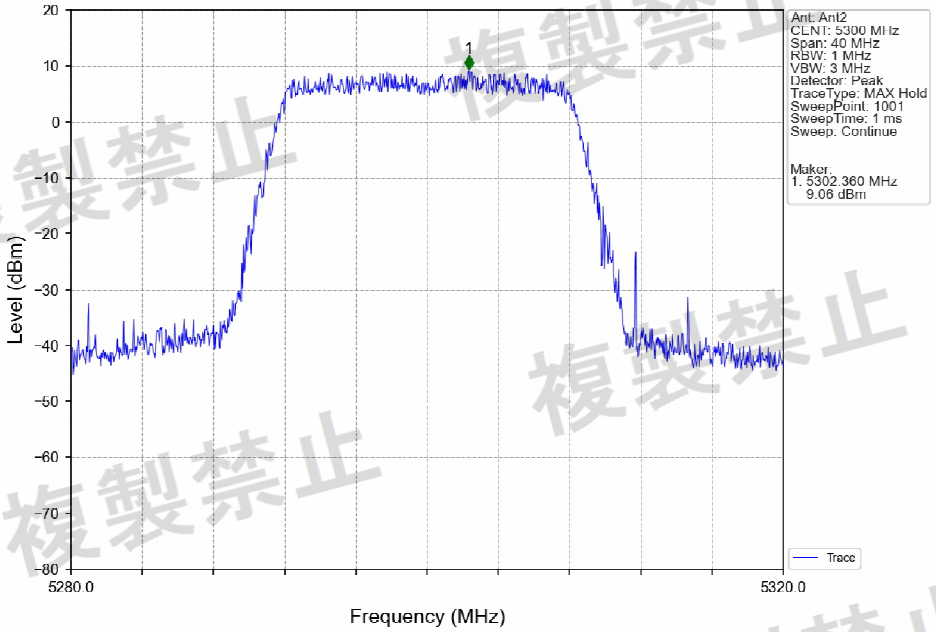


802.11a_MCH_5300MHz_Ant1_NTNV

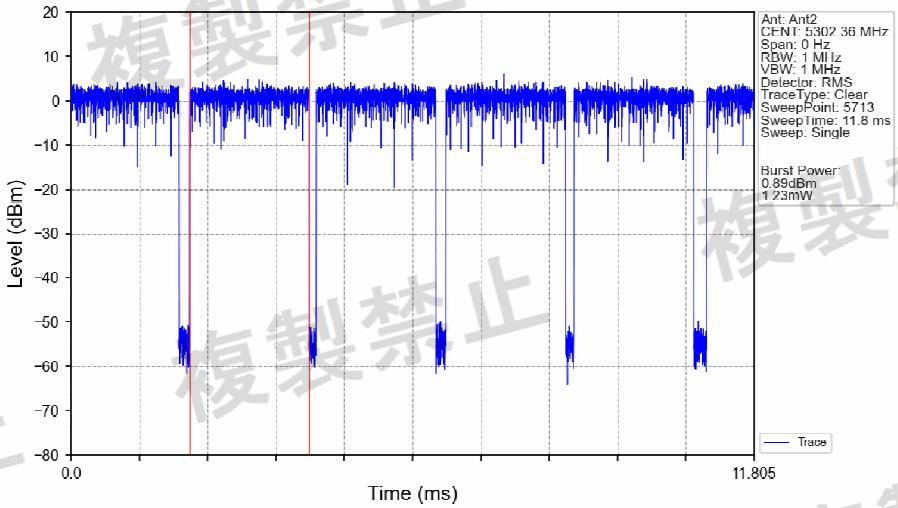


Burst No.	1	**2**	3	4	5
Length (ms)	2.065	**2.065**	2.067	2.065	2.065
Power(dBm)	2.19	**2.20**	2.18	2.19	2.19
Power(mW)	1.655	**1.658**	1.652	1.654	1.655
Remark	/	**Max**	/	/	/

802.11a_MCH_5300MHz_Ant2_NTNV

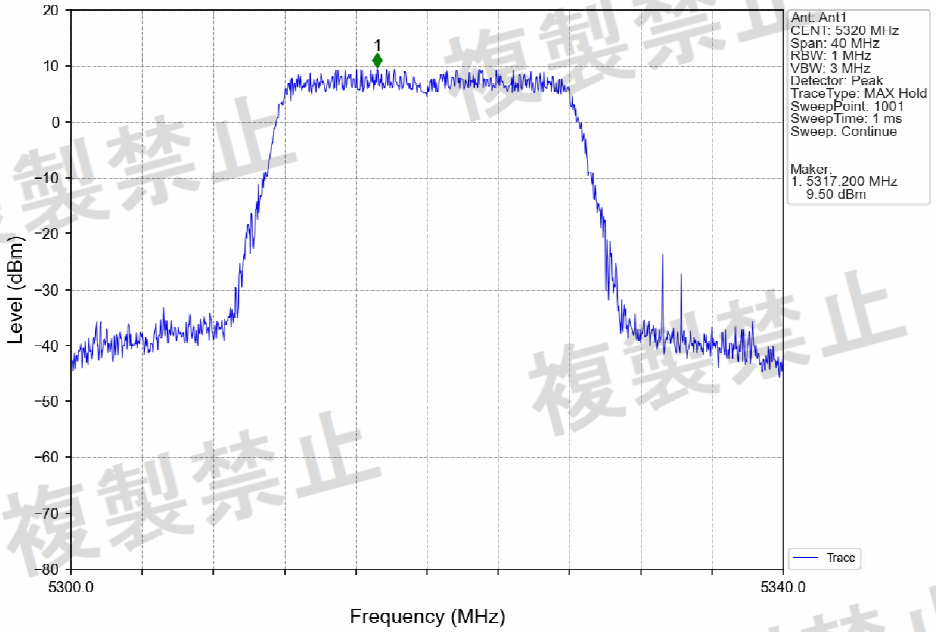


802.11a_MCH_5300MHz_Ant2_NTNV

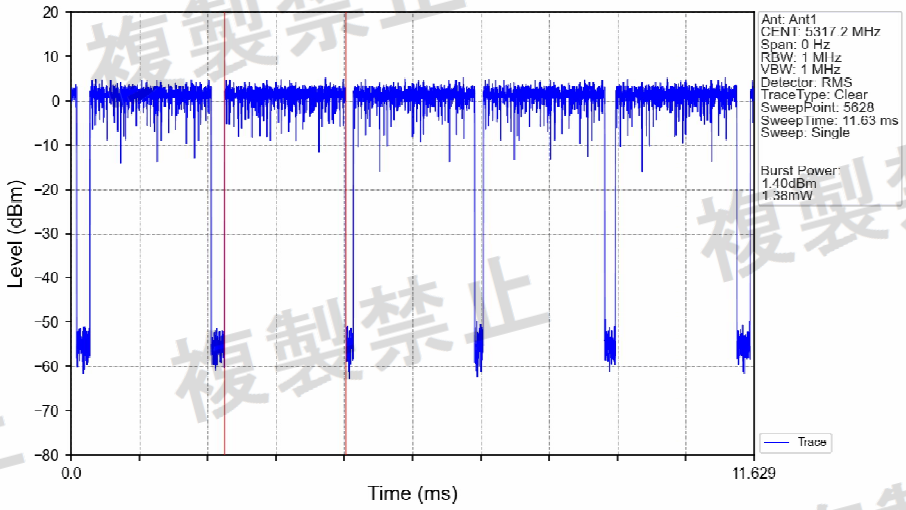


Burst No.	1	2	3	4
Length (ms)	**2.065**	2.067	2.067	2.065
Power(dBm)	**0.89**	0.89	0.89	0.89
Power(mW)	**1.229**	1.228	1.228	1.228
Remark	**Max**	/	/	/

802.11a_HCH_5320MHz_Ant1_NTNV

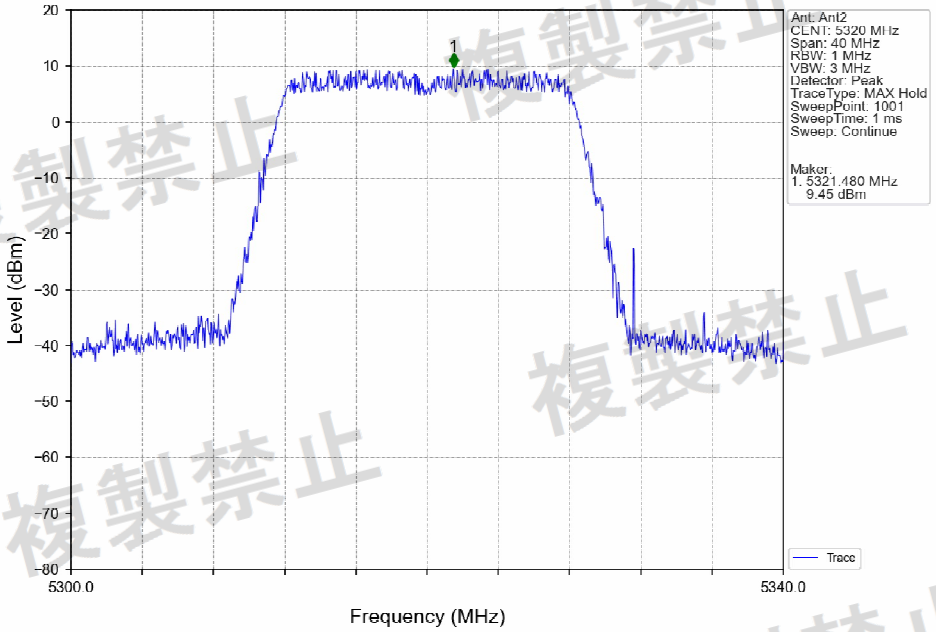


802.11a_HCH_5320MHz_Ant1_NTNV

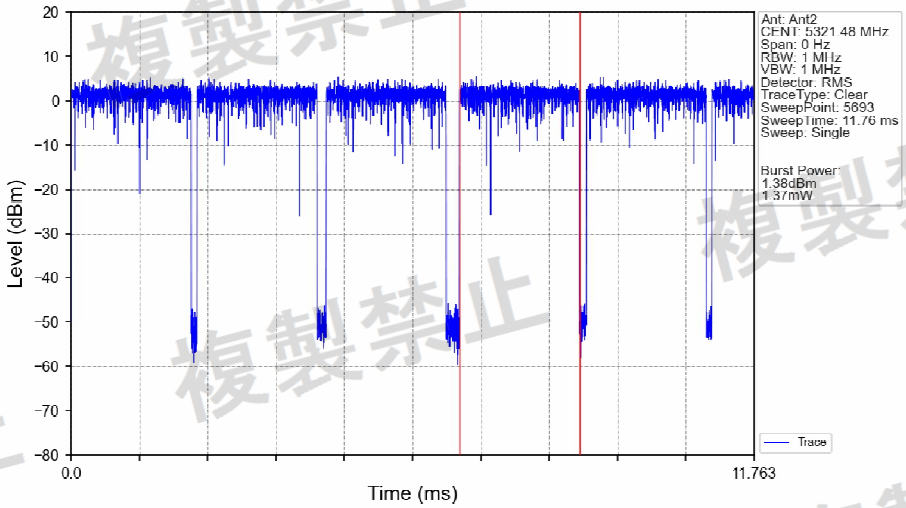


Burst No.	1	**2**	3	4	5
Length (ms)	2.065	**2.065**	2.065	2.065	2.065
Power(dBm)	1.39	**1.40**	1.39	1.39	1.40
Power(mW)	1.378	**1.380**	1.376	1.376	1.379
Remark	/	**Max**	/	/	/

802.11a_HCH_5320MHz_Ant2_NTNV

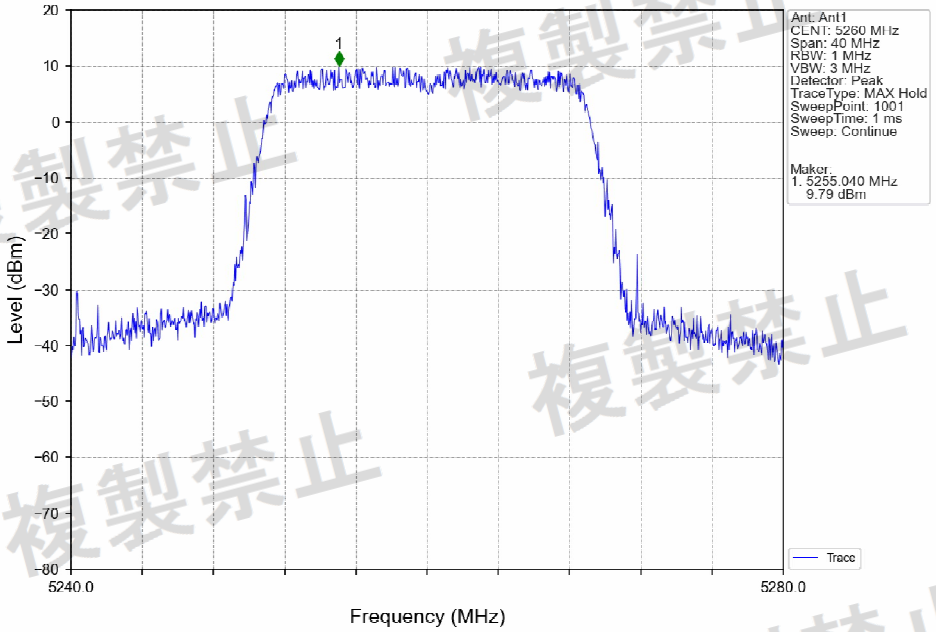


802.11a_HCH_5320MHz_Ant2_NTNV

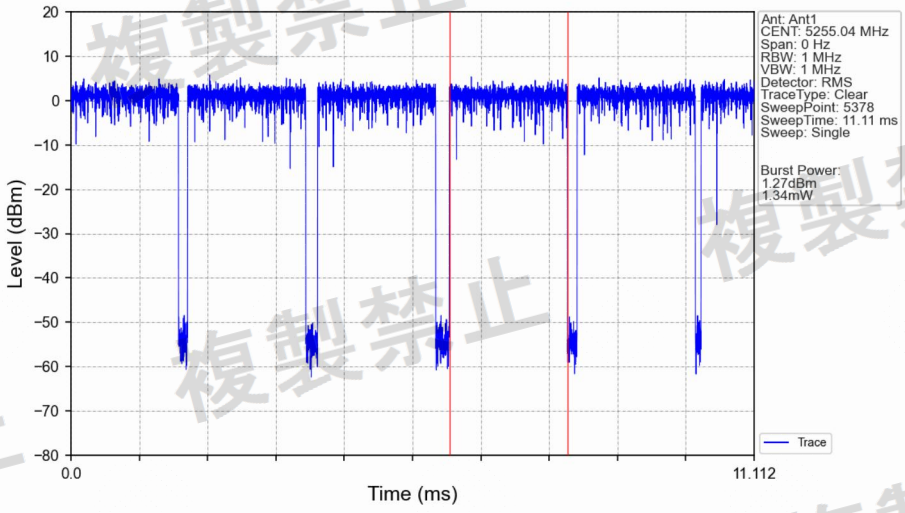


Burst No.	1	2	3	4	5
Length (ms)	2.067	2.065	2.067	**2.065**	2.067
Power(dBm)	1.37	1.37	1.37	**1.38**	1.37
Power(mW)	1.371	1.371	1.372	**1.375**	1.372
Remark	/	/	/	**Max**	/

802.11n(HT20)_LCH_5260MHz_Ant1_NTNV

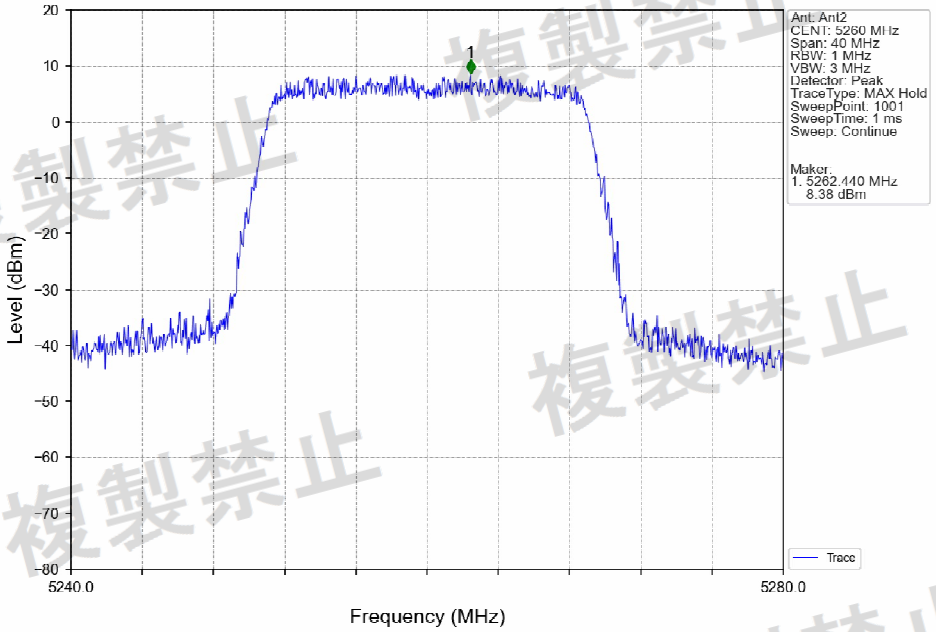


802.11n(HT20)_LCH_5260MHz_Ant1_NTNV

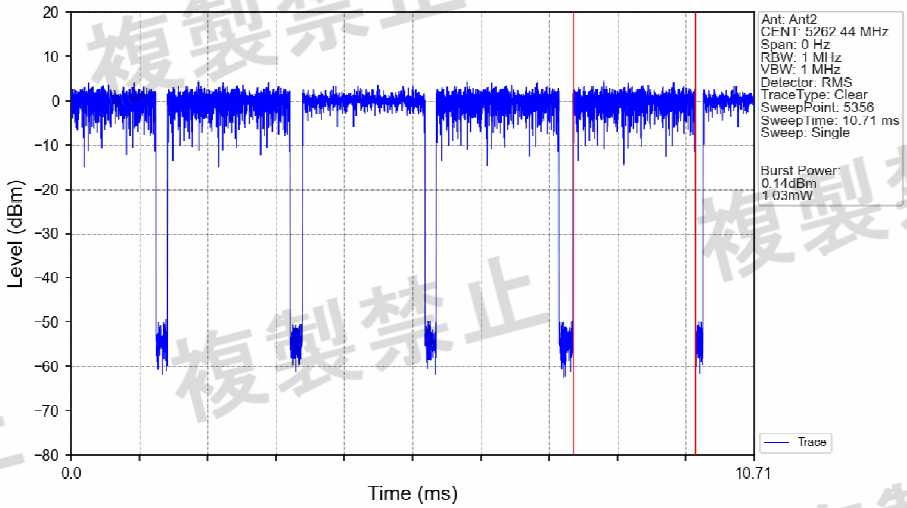


Burst No.	1	2	3	4
Length (ms)	1.922	1.920	**1.922**	1.922
Power(dBm)	1.25	1.25	**1.27**	1.27
Power(mW)	1.335	1.335	**1.339**	1.338
Remark	/	/	**Max**	/

802.11n(HT20)_LCH_5260MHz_Ant2_NTNV

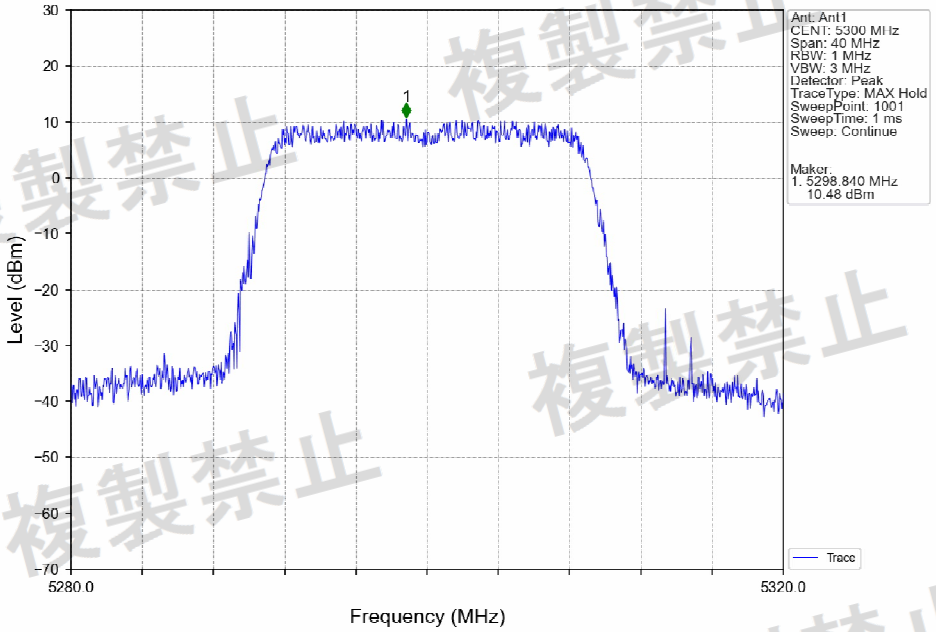


802.11n(HT20)_LCH_5260MHz_Ant2_NTNV

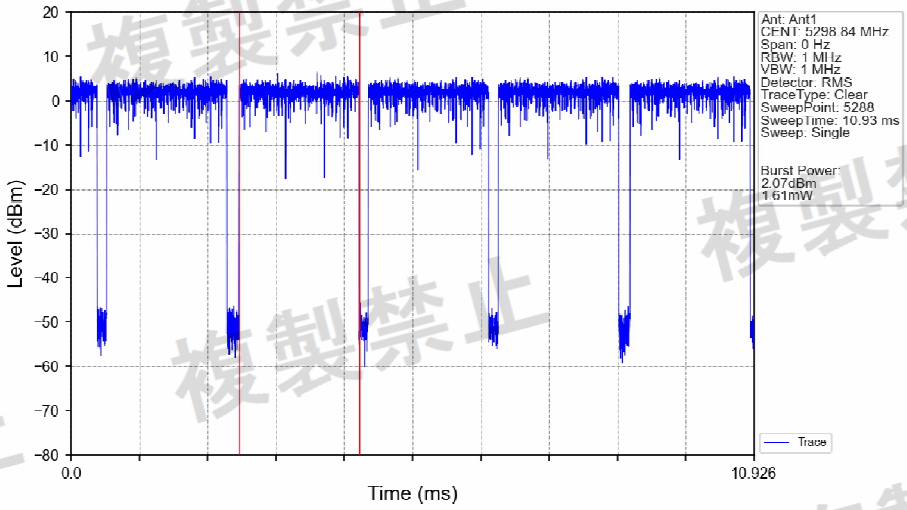


Burst No.	1	2	3	4
Length (ms)	1.922	1.920	1.922	**1.922**
Power(dBm)	0.13	0.13	0.14	**0.14**
Power(mW)	1.030	1.031	1.032	**1.033**
Remark	/	/	/	**Max**

802.11n(HT20)_MCH_5300MHz_Ant1_NTNV

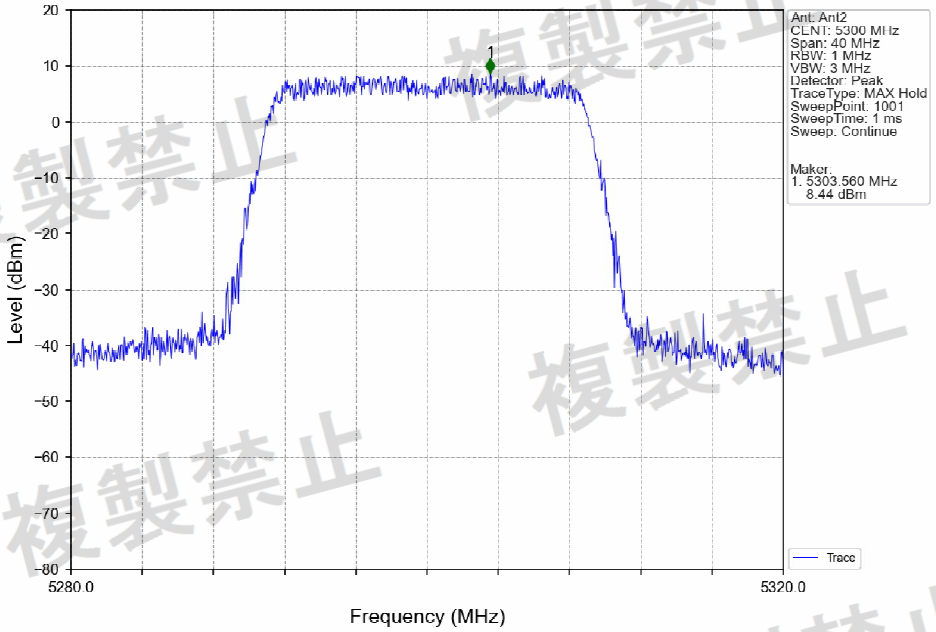


802.11n(HT20)_MCH_5300MHz_Ant1_NTNV

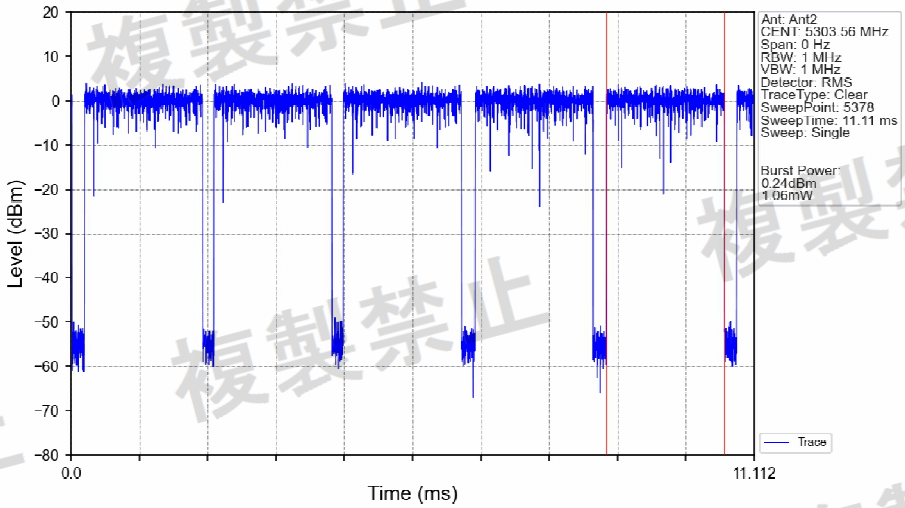


Burst No.	1	**2**	3	4	5
Length (ms)	1.922	**1.922**	1.922	1.922	1.922
Power(dBm)	2.05	**2.07**	2.06	2.06	2.06
Power(mW)	1.605	**1.609**	1.606	1.606	1.608
Remark	/	**Max**	/	/	/

802.11n(HT20)_MCH_5300MHz_Ant2_NTNV

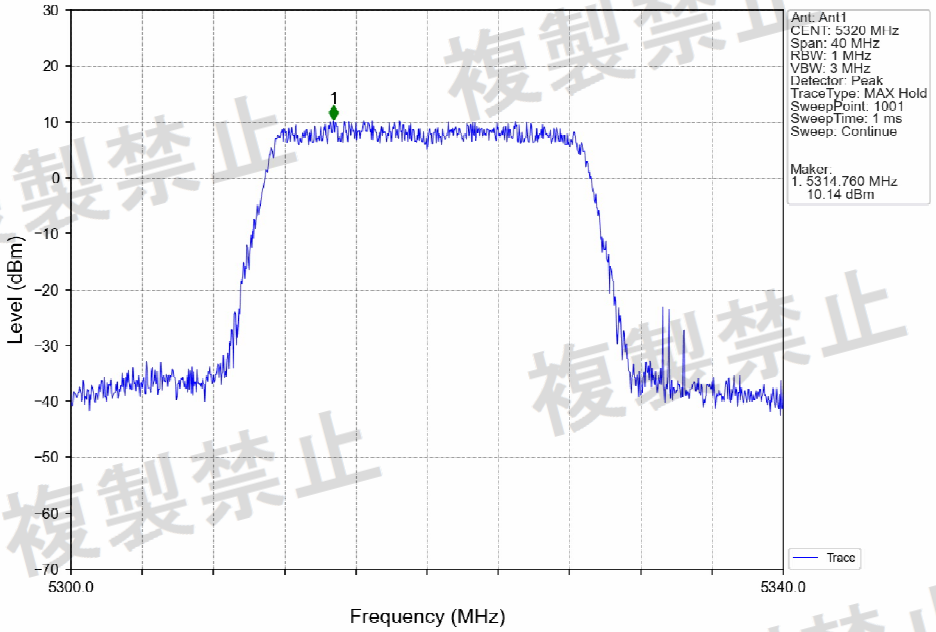


802.11n(HT20)_MCH_5300MHz_Ant2_NTNV

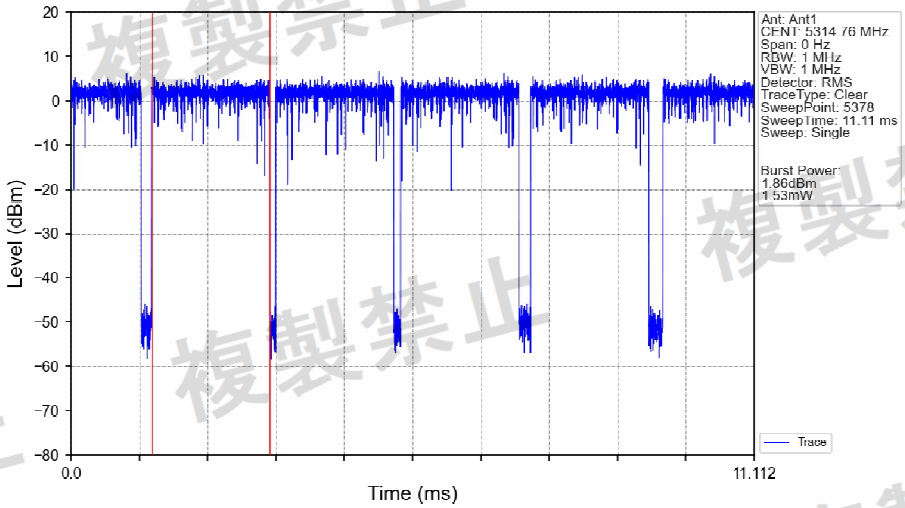


Burst No.	1	2	3	4	5
Length (ms)	1.920	1.922	1.922	1.922	**1.922**
Power(dBm)	0.22	0.22	0.22	0.23	**0.24**
Power(mW)	1.052	1.051	1.053	1.055	**1.056**
Remark	/	/	/	/	**Max**

802.11n(HT20)_HCH_5320MHz_Ant1_NTNV

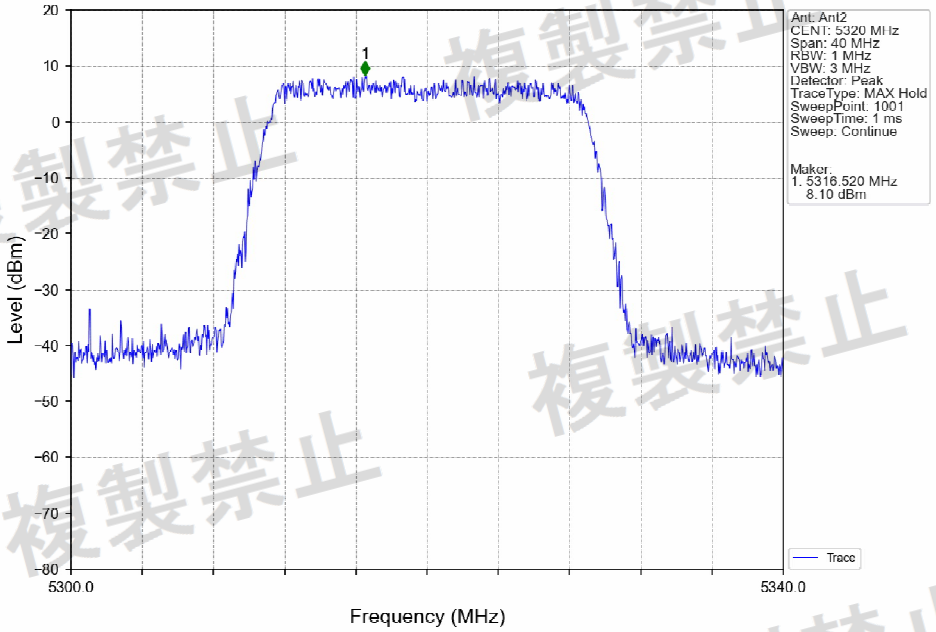


802.11n(HT20)_HCH_5320MHz_Ant1_NTNV

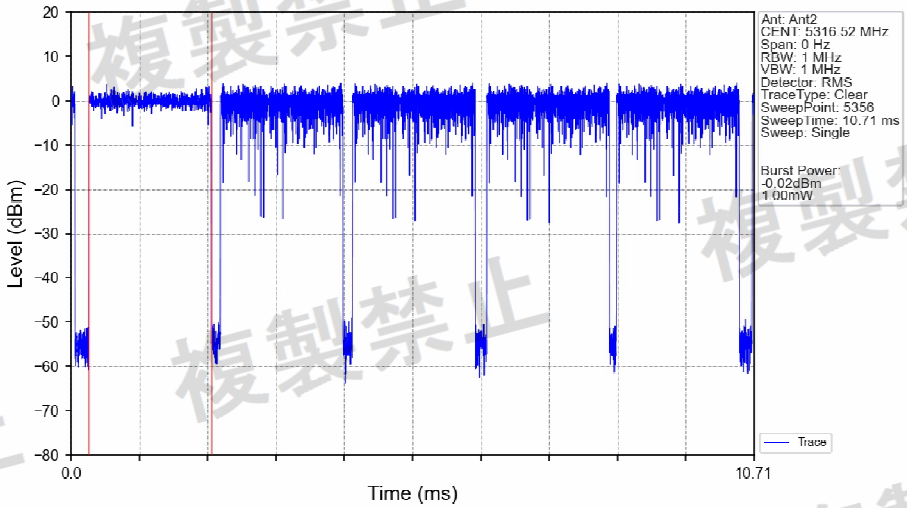


Burst No.	1	2	3	4
Length (ms)	**1.922**	1.920	1.920	1.922
Power(dBm)	**1.86**	1.84	1.85	1.85
Power(mW)	**1.534**	1.527	1.532	1.532
Remark	**Max**	/	/	/

802.11n(HT20)_HCH_5320MHz_Ant2_NTNV



802.11n(HT20)_HCH_5320MHz_Ant2_NTNV



Burst No.	1	2	3	4	5
Length (ms)	**1.922**	1.922	1.920	1.922	1.920
Power(dBm)	**-0.02**	-0.02	-0.02	-0.02	-0.02
Power(mW)	**0.996**	0.995	0.996	0.995	0.995
Remark	**Max**	/	/	/	/