

ANNEX F TEST DATA

For

Project No.:	8433EU010221W
Client:	Cheerlux (Shenzhen) Electronic Technology Co., Ltd.
Product Name:	Projector
Model No.:	C6
Technology:	WiFi 5.1G
Test Engineer:	<i>Mikoy zhu</i>
Test Date:	2025-06-28

Test Summary

Item	Result
Duty Cycle	Pass
Frequency Error	Pass
Occupied Bandwidth	Pass
Antenna Power	Pass
Adjacent Channel Emitted power	Pass
Transmission Burst Length	Pass
Unwanted Emission Strength	Pass
Secondary Radiated Emission	Pass

1. Duty Cycle

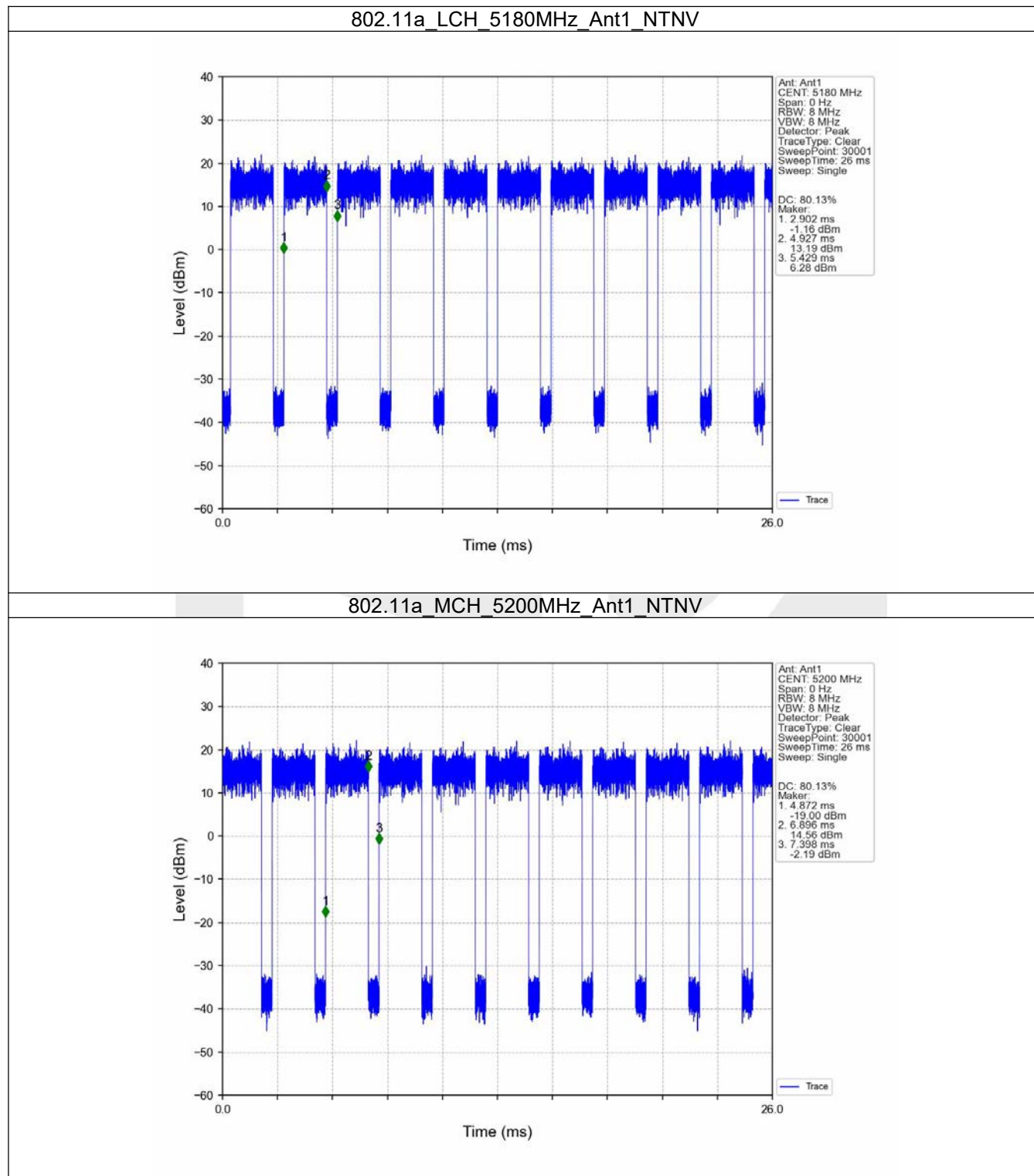
1.1 Test Result

1.1.1 Ant1

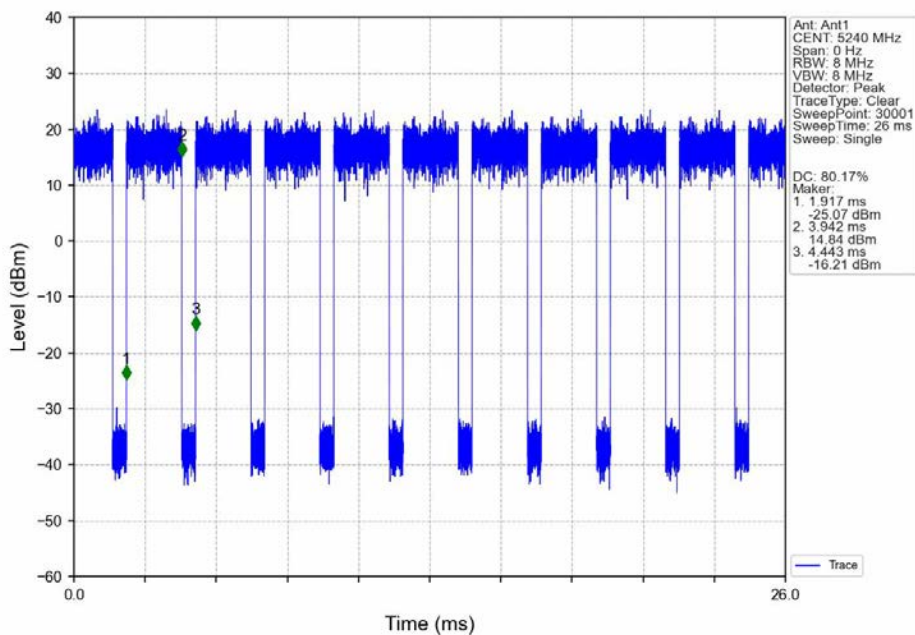
Ant1								
ENV	Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
NTNV	802.11a	SISO	5180	2.025	2.527	80.13	0.96	0.03
			5200	2.024	2.526	80.13	0.96	0.03
			5240	2.025	2.526	80.17	0.96	0.03
	802.11n (HT20)	SISO	5180	1.889	2.390	79.04	1.02	0.04
			5200	1.889	2.391	79.00	1.02	0.03
			5240	1.889	2.390	79.04	1.02	0.03
	802.11n (HT40)	SISO	5190	0.928	1.430	64.90	1.88	0.03
			5230	0.929	1.431	64.92	1.88	0.03

1.2 Test Graph

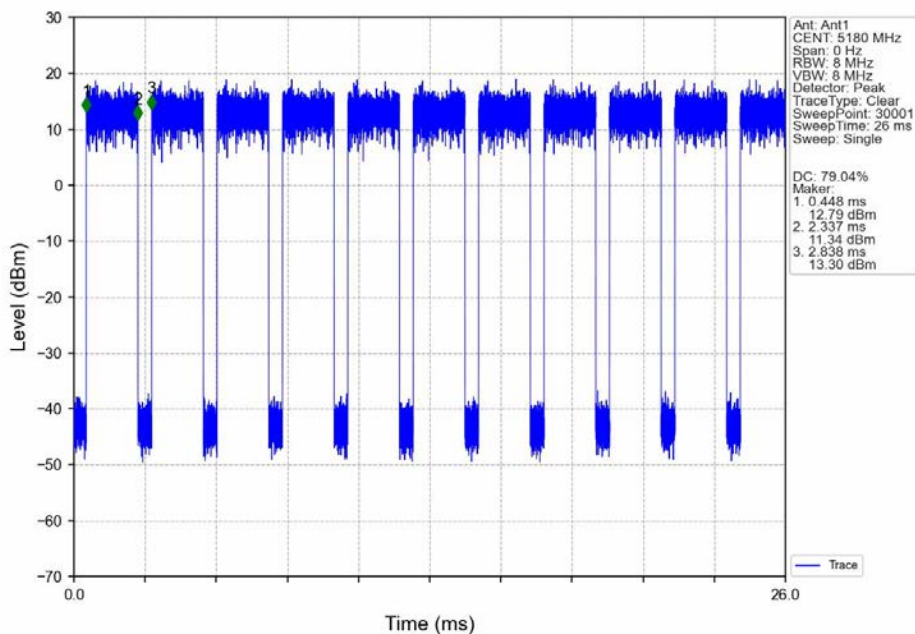
1.2.1 Ant1



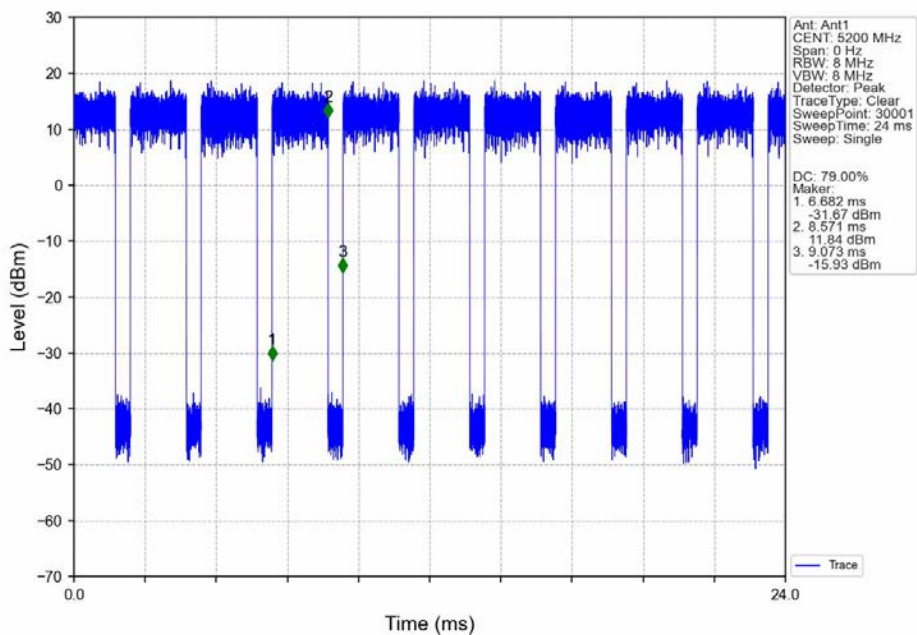
802.11a_HCH_5240MHz_Ant1_NTNV



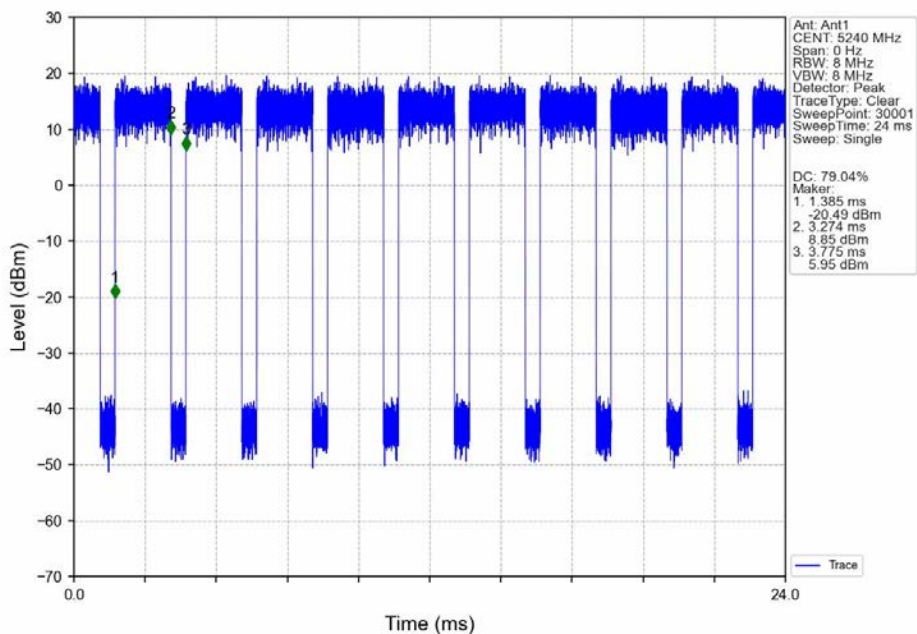
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



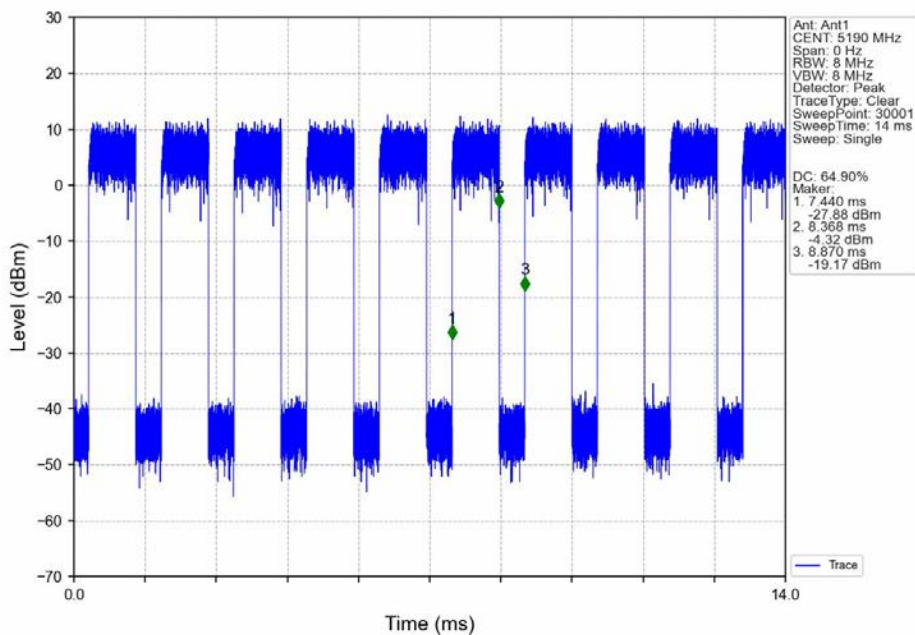
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



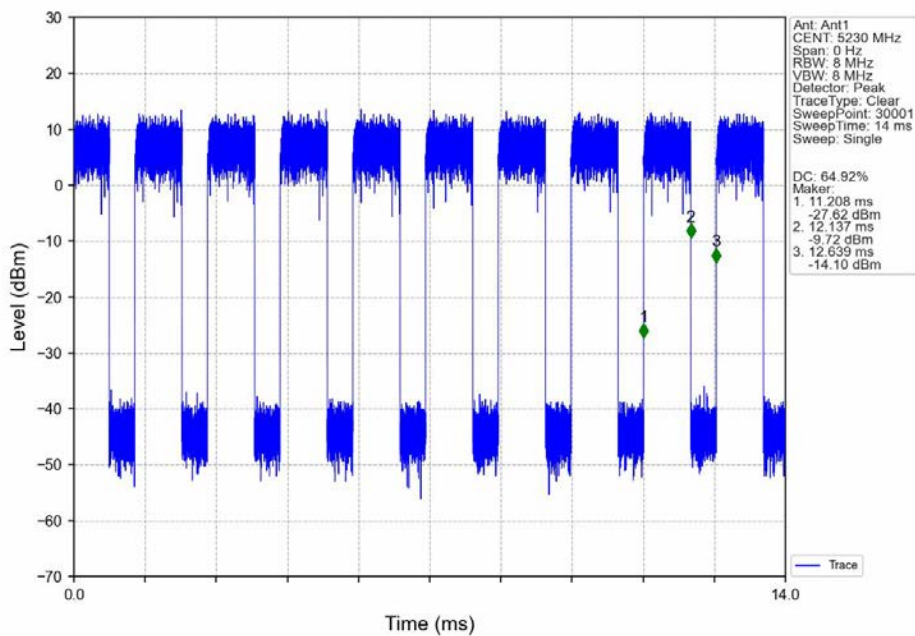
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



2. Frequency Error

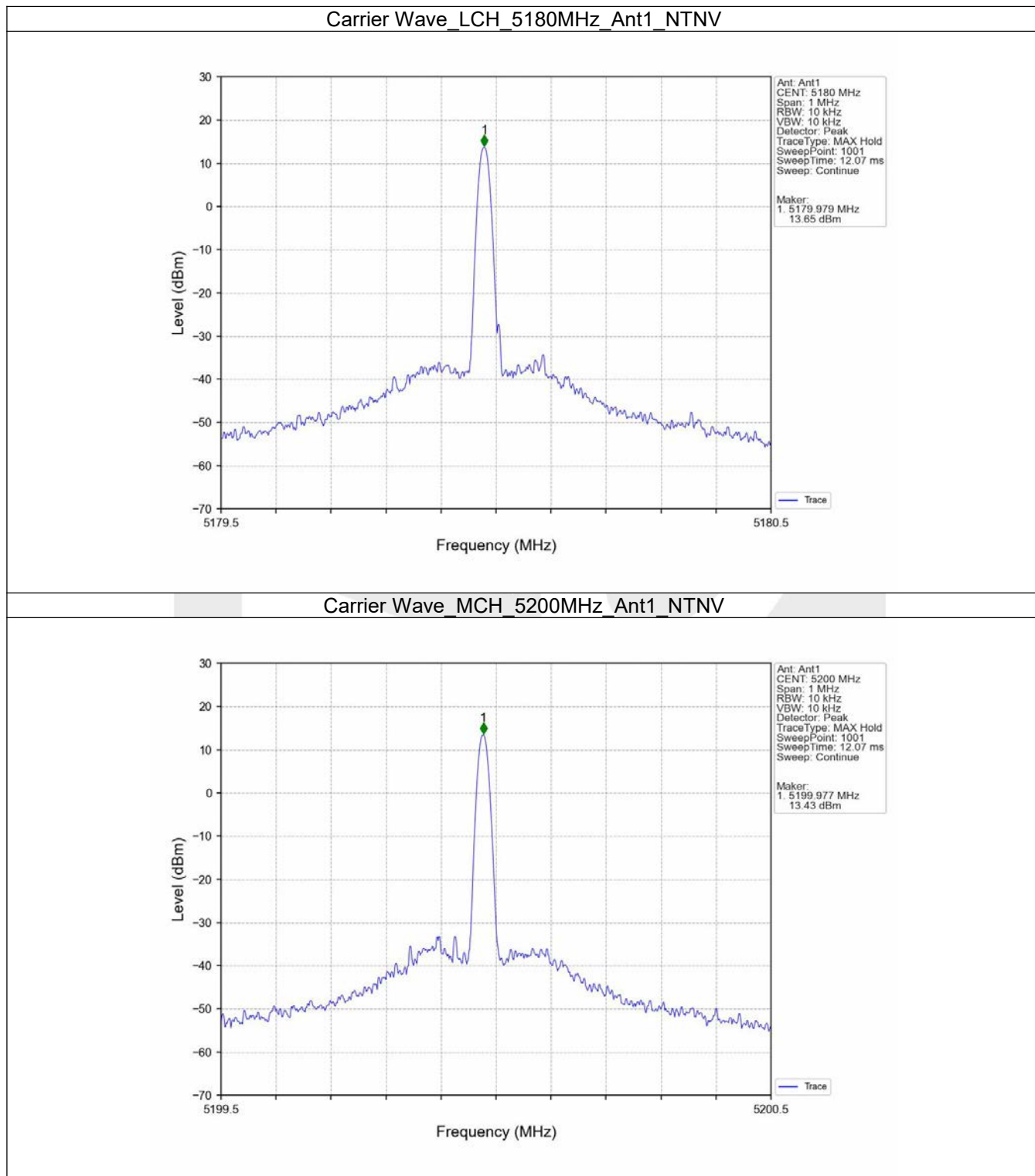
2.1 Test Result

2.1.1 Ant1

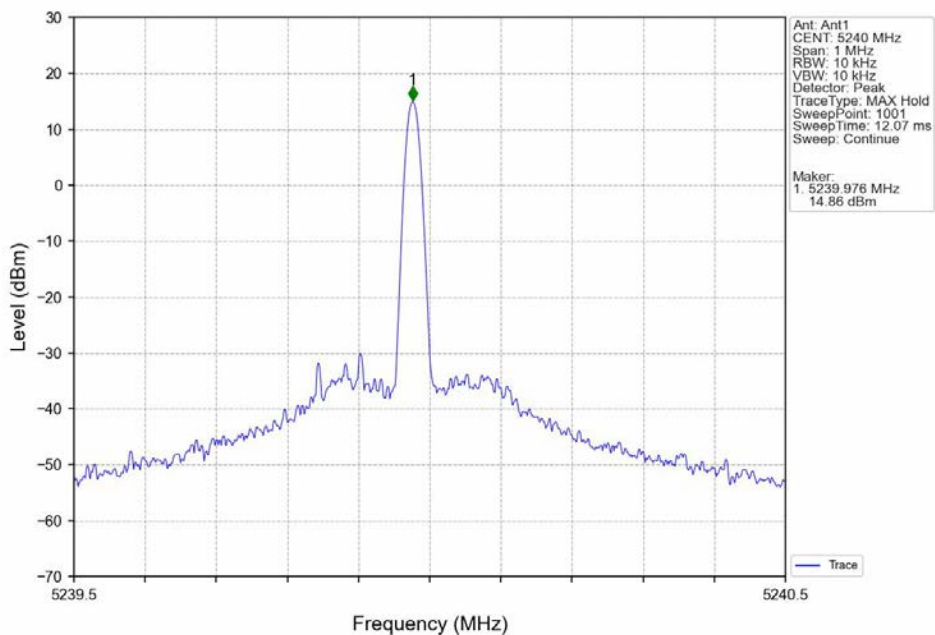
Ant1							
ENV	Mode	TX Type	Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)		Verdict
					Result	Limit	
NTNV	Carrier Wave	SISO	5180	5179.979	-4.05	-20 to 20	Pass
			5200	5199.977	-4.42	-20 to 20	Pass
			5240	5239.976	-4.58	-20 to 20	Pass
			5190	5189.980	-3.85	-20 to 20	Pass
			5230	5229.980	-3.82	-20 to 20	Pass

2.2 Test Graph

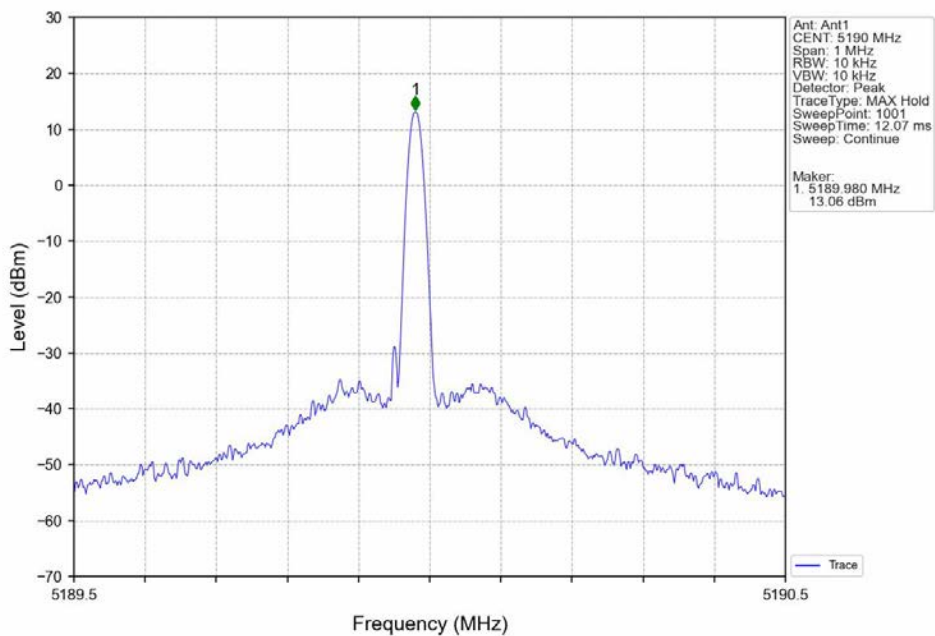
2.2.1 Ant1

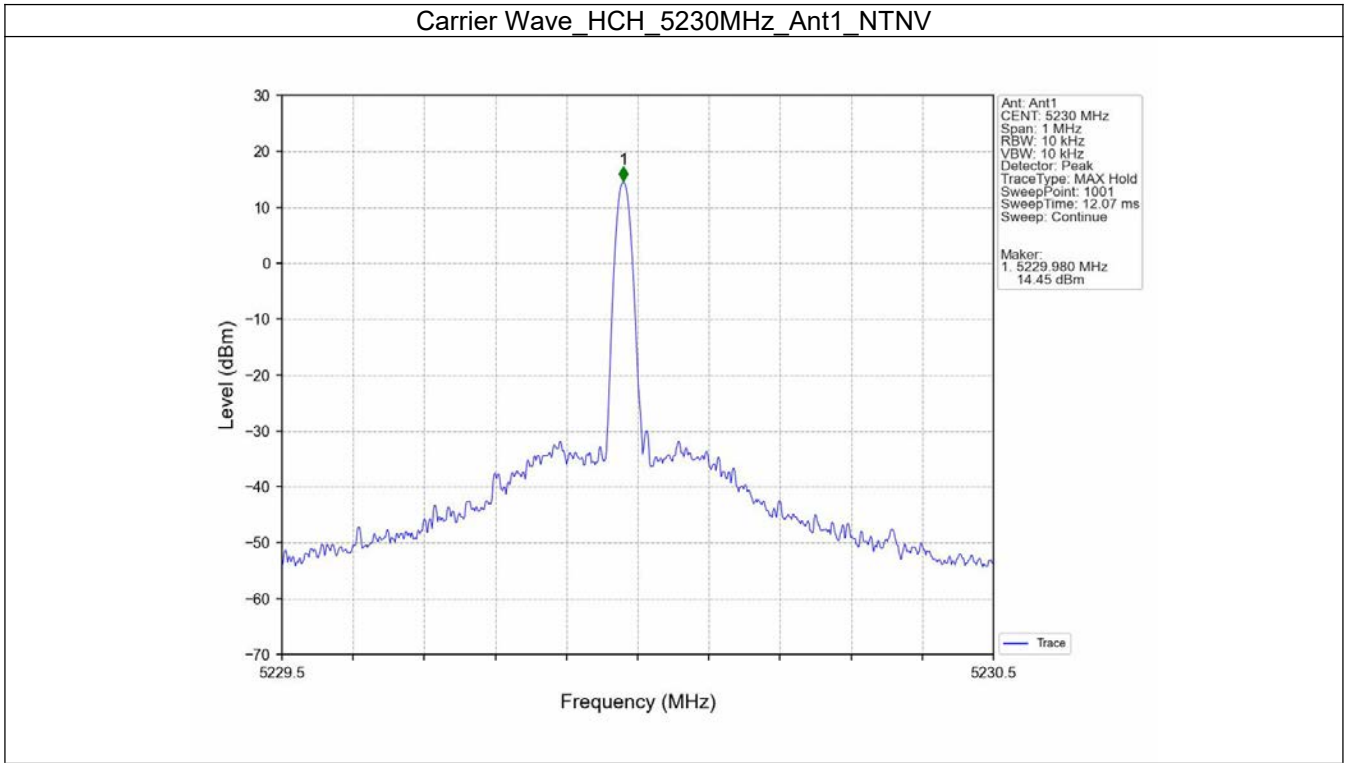


Carrier Wave_HCH_5240MHz_Ant1_NTNV



Carrier Wave_LCH_5190MHz_Ant1_NTNV





3. Occupied Bandwidth

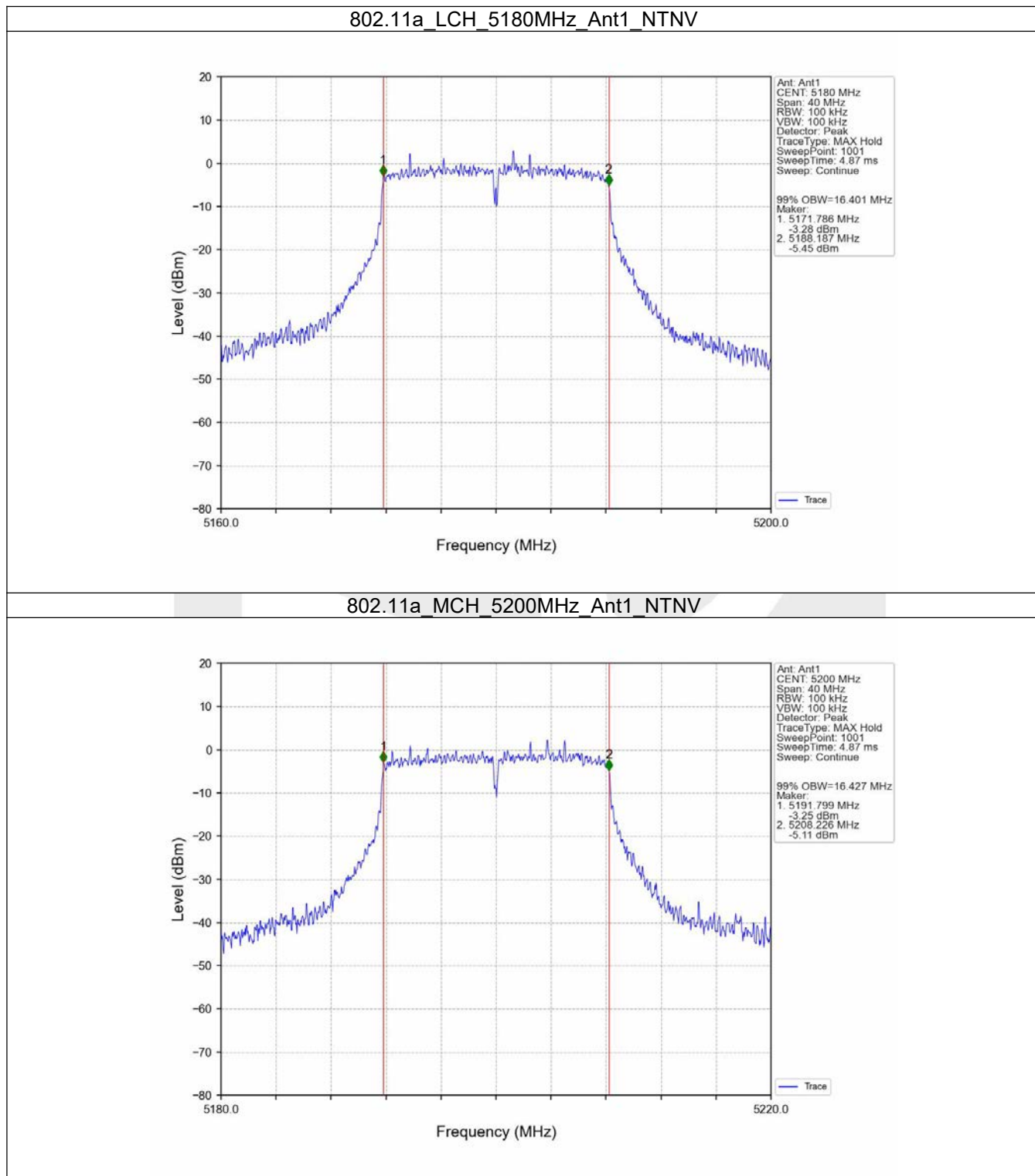
3.1 Test Result

3.1.1 OBW

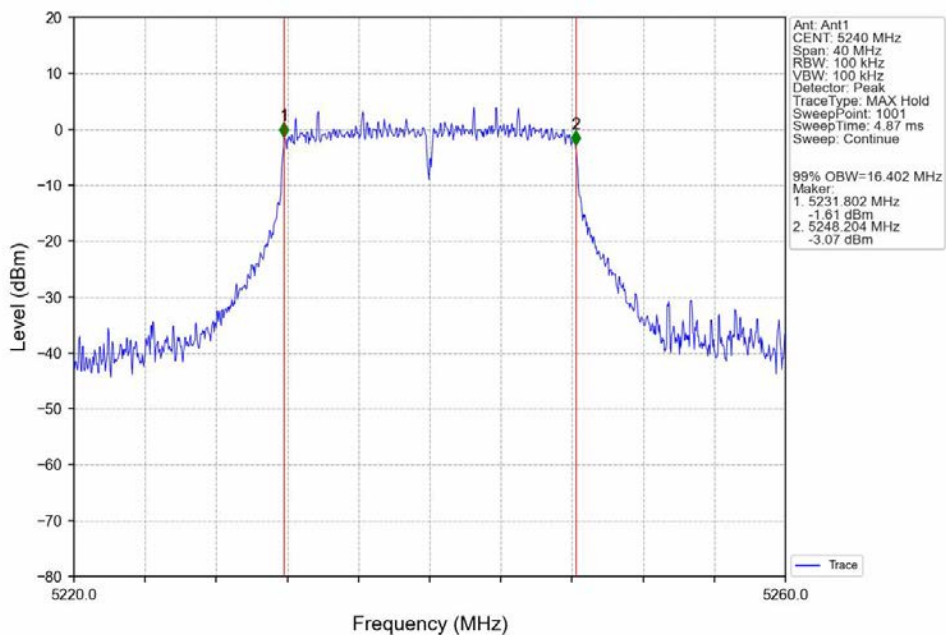
ENV	Mode	TX Type	Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
				ANT1	Limit	
NTNV	802.11a	SISO	5180	16.401	<=20	Pass
			5200	16.427	<=20	Pass
			5240	16.402	<=20	Pass
	802.11n (HT20)	SISO	5180	17.575	<=20	Pass
			5200	17.588	<=20	Pass
			5240	17.594	<=20	Pass
	802.11n (HT40)	SISO	5190	35.856	<=40	Pass
			5230	35.863	<=40	Pass

3.2 Test Graph

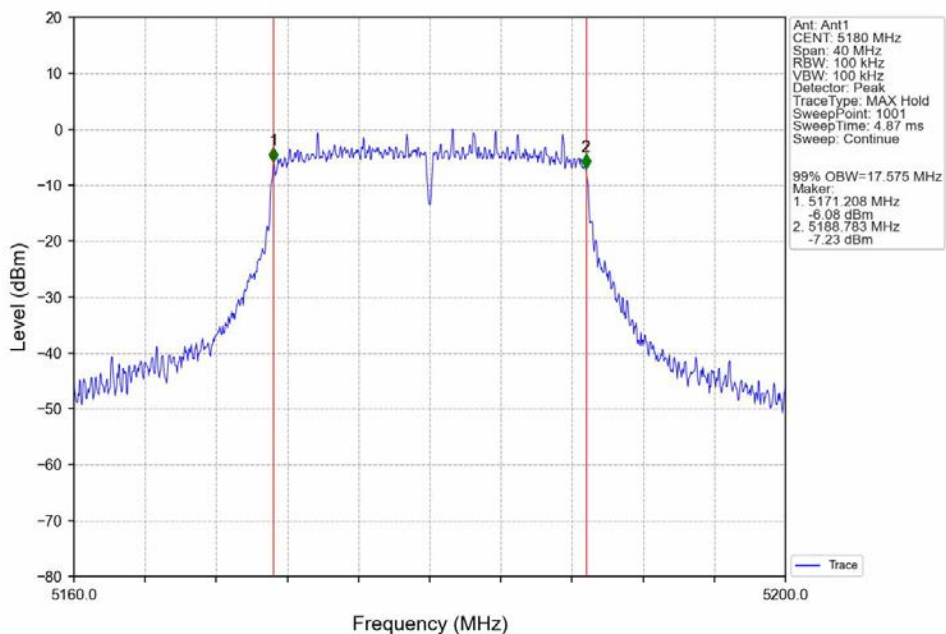
3.2.1 OBW



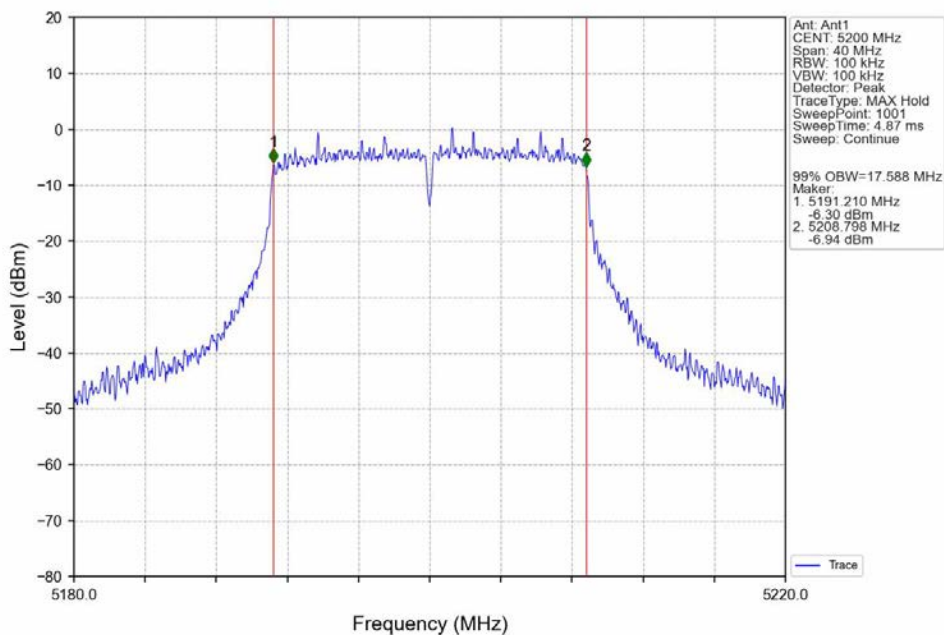
802.11a_HCH_5240MHz_Ant1_NTNV



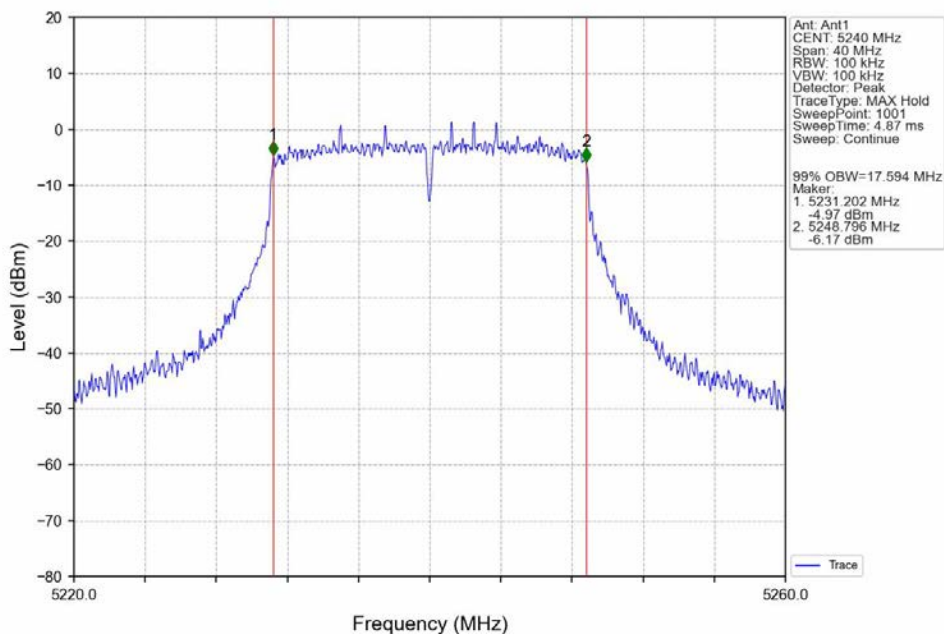
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



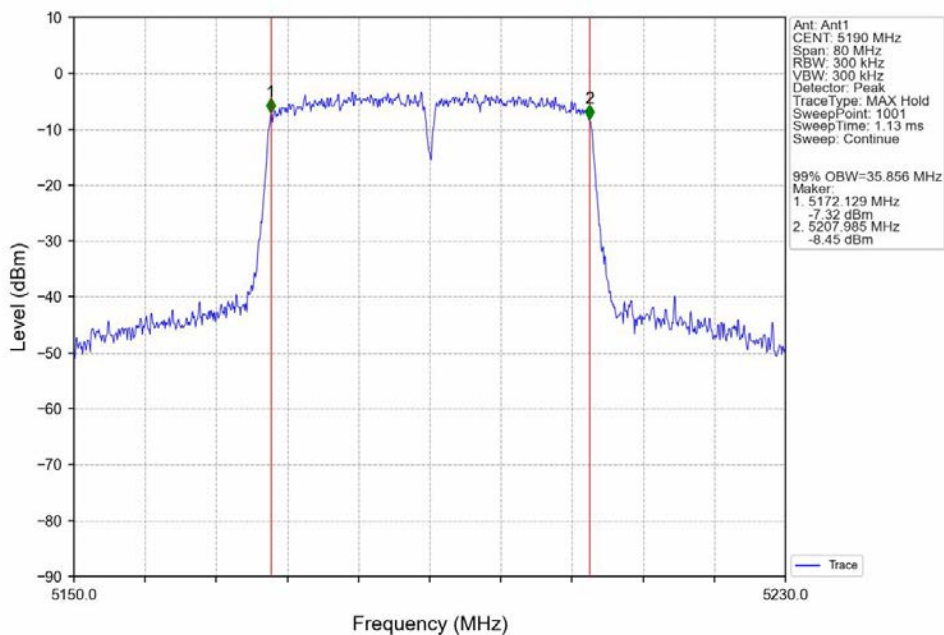
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



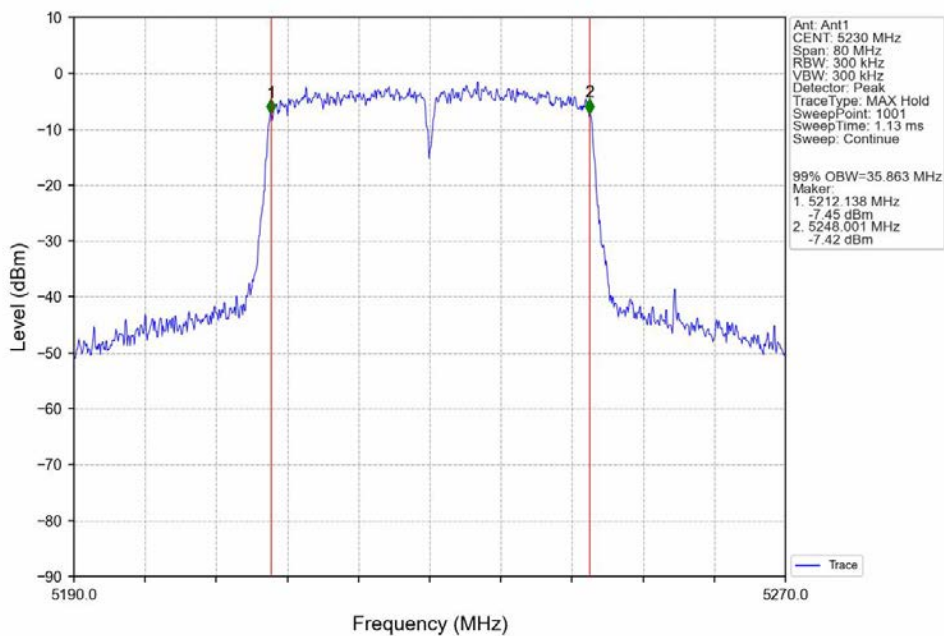
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



4. Antenna Power

4.1 Test Result

4.1.1 Power_NTNV

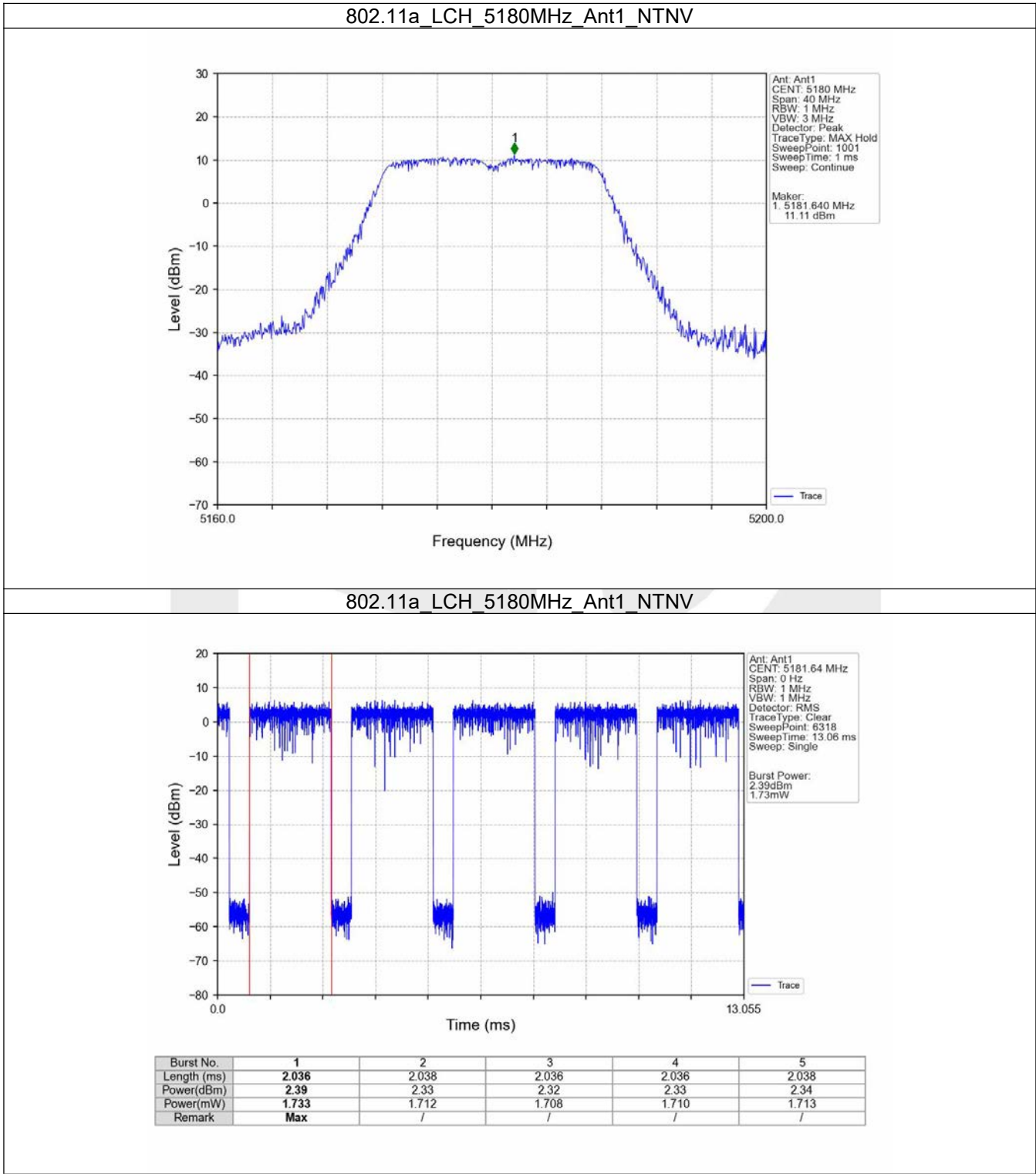
NTNV									
Mode	TX Type	Frequency (MHz)	ANT	Antenna Power (mW/MHz)		Nominal Power (mW/MHz)	Tolerance (%)		Verdict
				Measured	Limit		Measured	Limit	
802.11a	SISO	5180	1	1.733	<=10.00	3.200	-45.84	-80 to 20	Pass
		5200	1	1.662	<=10.00	3.200	-48.06	-80 to 20	Pass
		5240	1	2.351	<=10.00	3.200	-26.53	-80 to 20	Pass
802.11n (HT20)	SISO	5180	1	1.021	<=10.00	1.800	-43.28	-80 to 20	Pass
		5200	1	0.951	<=10.00	1.800	-47.17	-80 to 20	Pass
		5240	1	1.240	<=10.00	1.800	-31.11	-80 to 20	Pass
802.11n (HT40)	SISO	5190	1	0.281	<=5.00	0.530	-46.98	-80 to 20	Pass
		5230	1	0.370	<=5.00	0.530	-30.19	-80 to 20	Pass

4.1.2 EIRP_NTNV

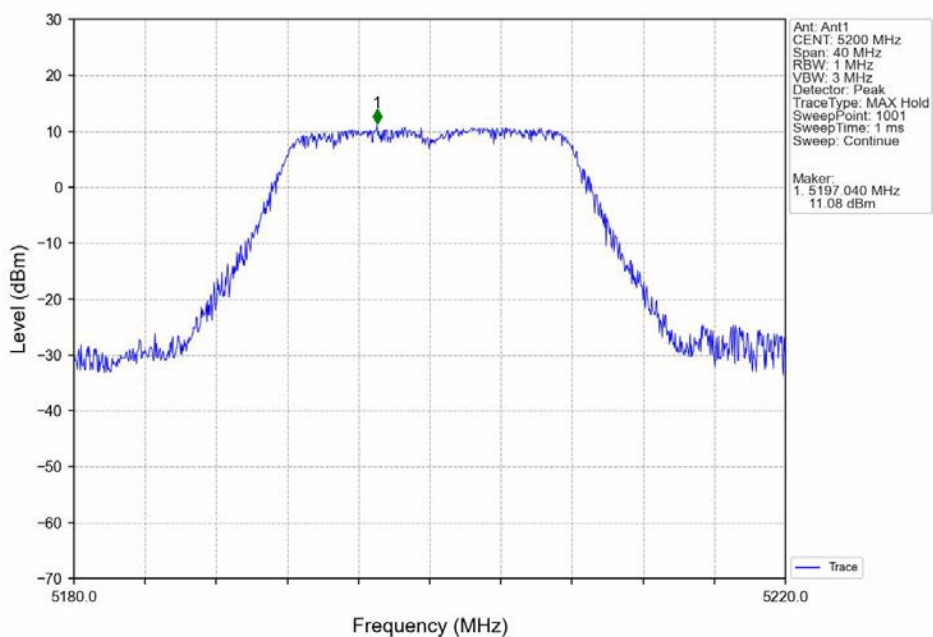
NTNV								
Mode	TX Type	Frequency (MHz)	ANT	Gain (dBi)	Measured Power (dBm/MHz)	EIRP (mW/MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	1	3.17	2.39	3.60	<=10	Pass
		5200	1	3.17	2.21	3.45	<=10	Pass
		5240	1	3.17	3.71	4.88	<=10	Pass
802.11n (HT20)	SISO	5180	1	3.17	0.09	2.12	<=10	Pass
		5200	1	3.17	-0.22	1.97	<=10	Pass
		5240	1	3.17	0.93	2.57	<=10	Pass
802.11n (HT40)	SISO	5190	1	3.17	-5.51	0.58	<=5	Pass
		5230	1	3.17	-4.32	0.77	<=5	Pass

Note: E.I.R.P = Measured Power + Antenna Gain

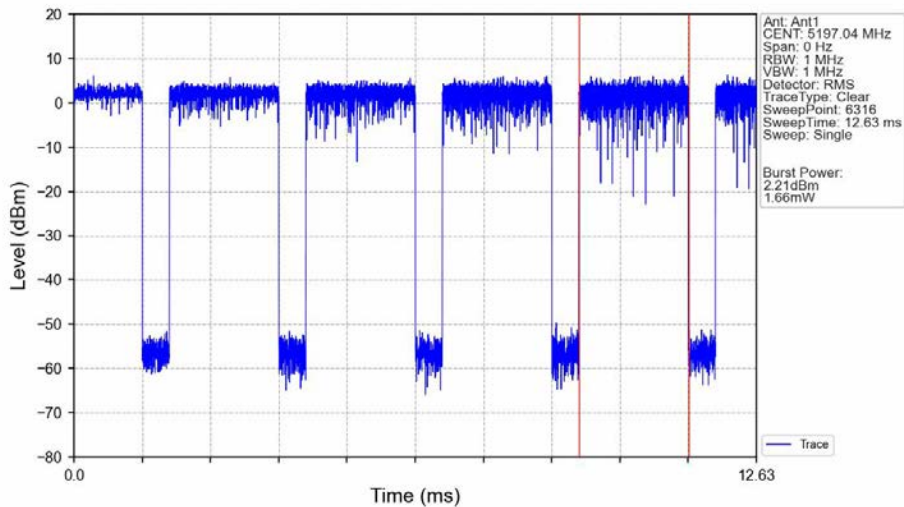
4.2 Test Graph
4.2.1 Power_NTNV



802.11a_MCH_5200MHz_Ant1_NTNV

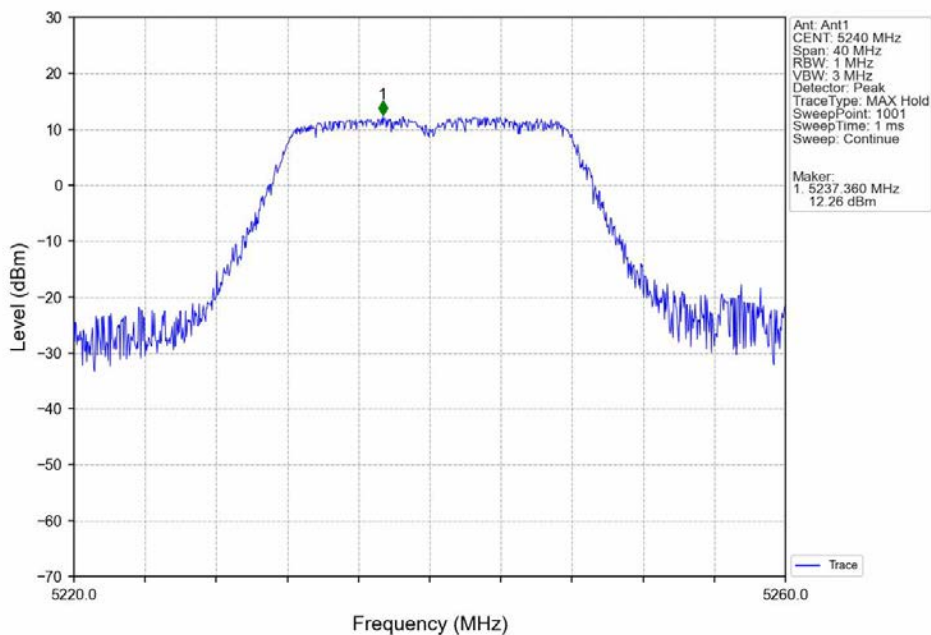


802.11a_MCH_5200MHz_Ant1_NTNV

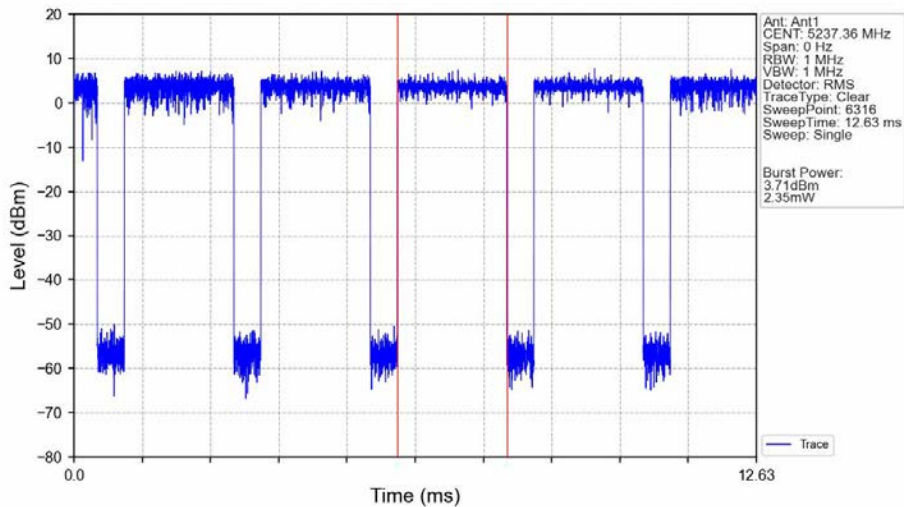


Burst No.	1	2	3	4
Length (ms)	2.026	2.026	2.026	2.026
Power(dBm)	2.12	2.15	2.19	2.21
Power(mW)	1.628	1.642	1.655	1.662
Remark	/	/	/	Max

802.11a_HCH_5240MHz_Ant1_NTNV

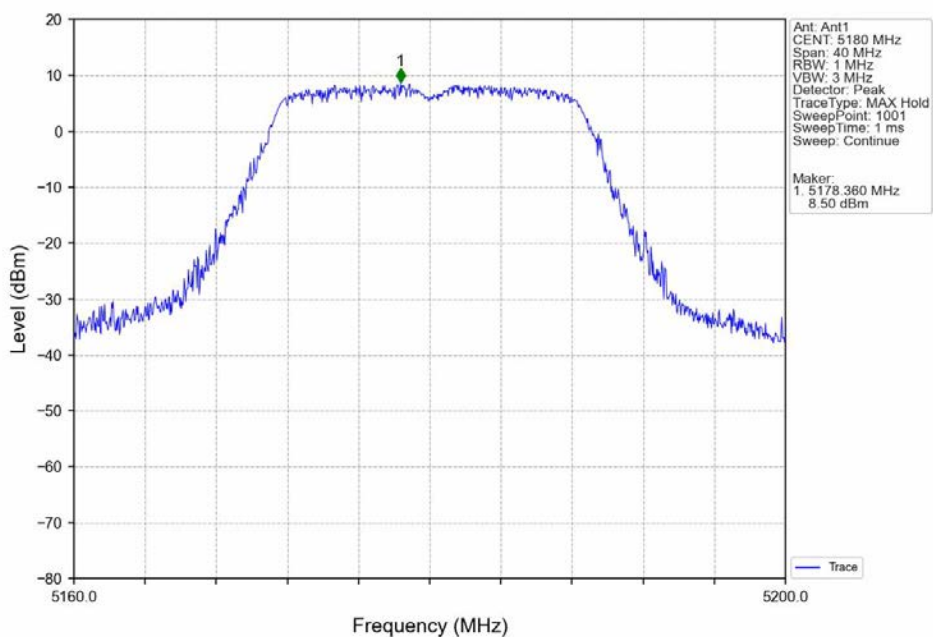


802.11a_HCH_5240MHz_Ant1_NTNV

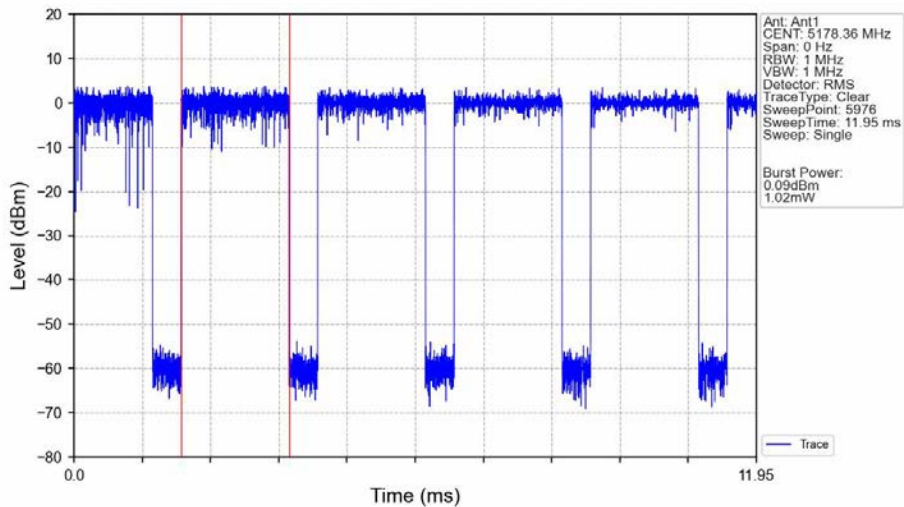


Burst No.	1	2	3	4
Length (ms)	2.024	2.024	2.024	2.026
Power(dBm)	3.71	3.71	3.71	3.71
Power(mW)	2.349	2.350	2.351	2.348
Remark	/	/	Max	/

802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

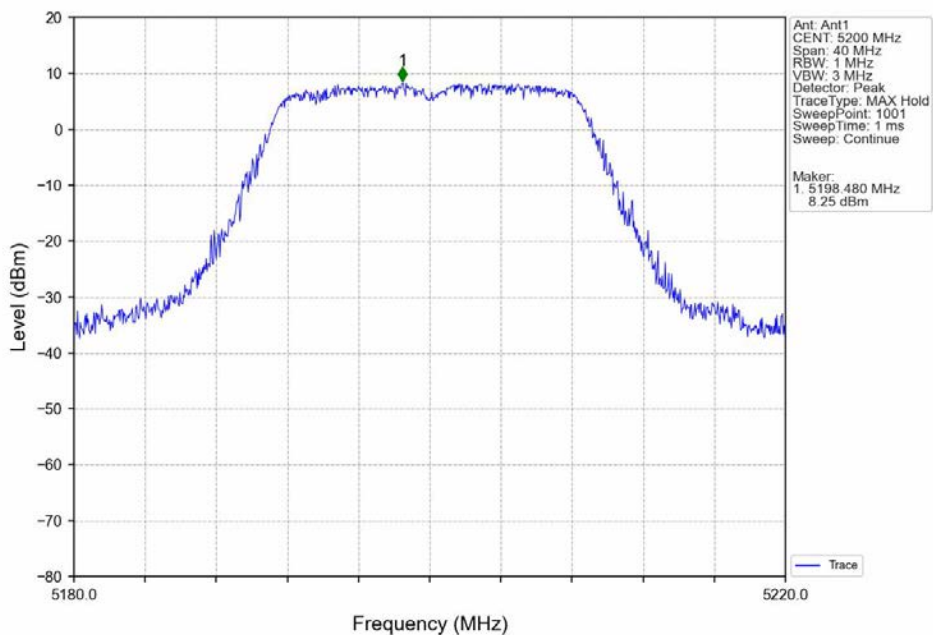


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

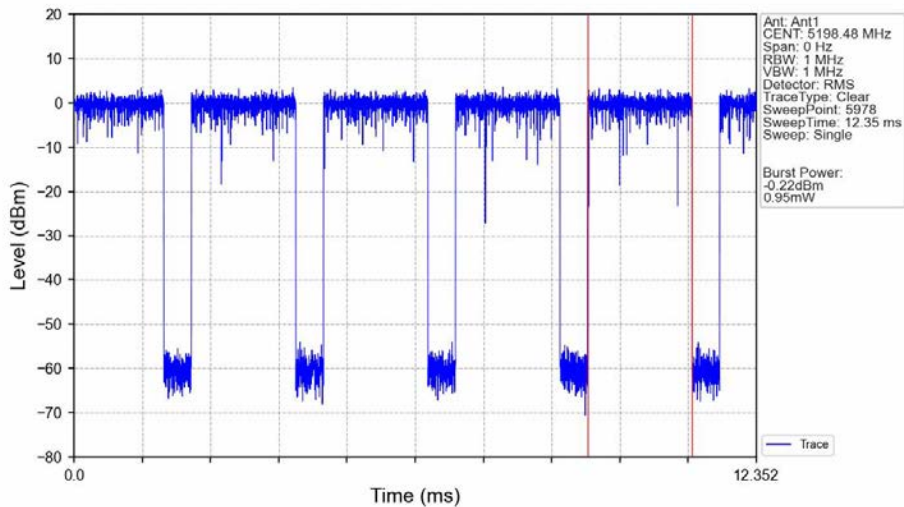


Burst No.	1	2	3	4
Length (ms)	1.888	1.888	1.888	1.890
Power(dBm)	0.09	0.09	0.08	0.08
Power(mW)	1.021	1.021	1.020	1.018
Remark	Max	/	/	/

802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

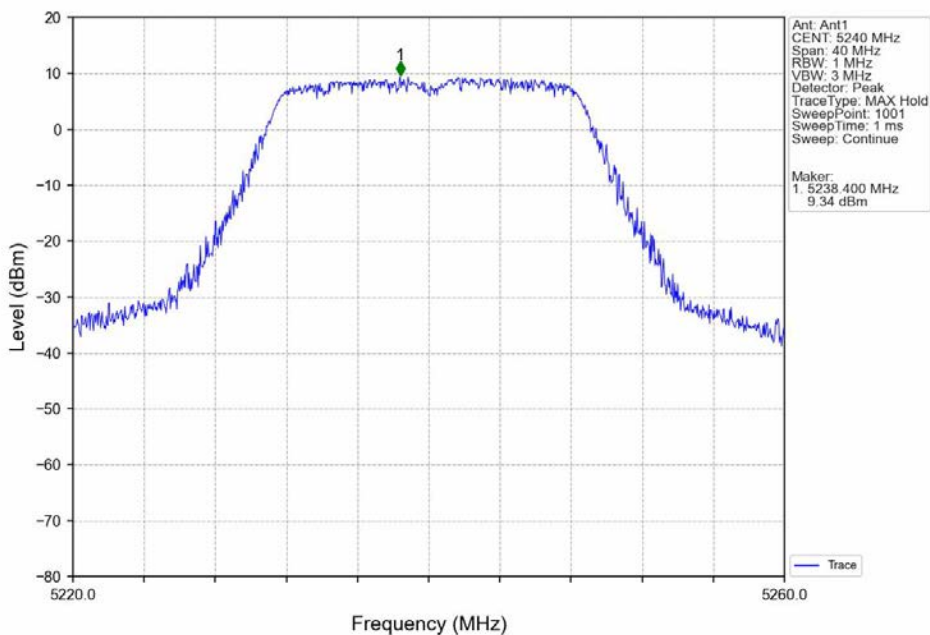


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

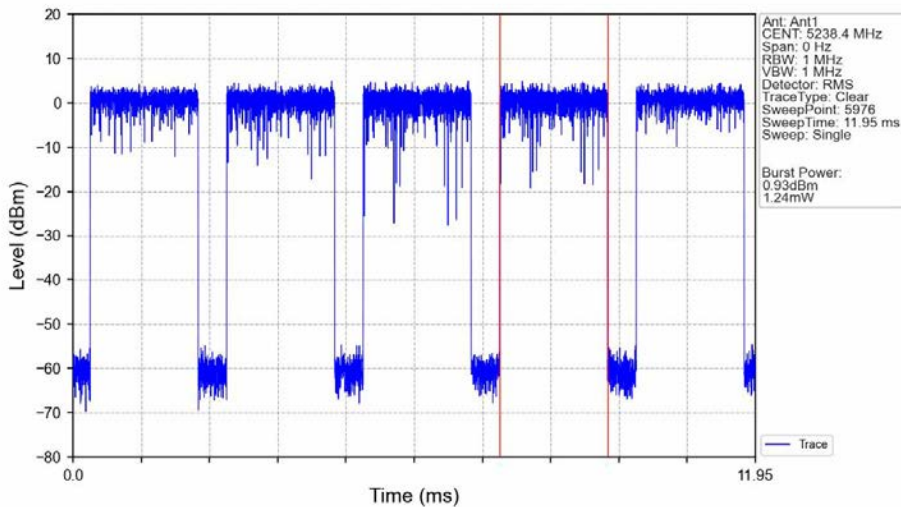


Burst No.	1	2	3	4
Length (ms)	1.889	1.889	1.889	1.889
Power(dBm)	-0.25	-0.23	-0.22	-0.22
Power(mW)	0.945	0.949	0.950	0.951
Remark	/	/	/	Max

802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

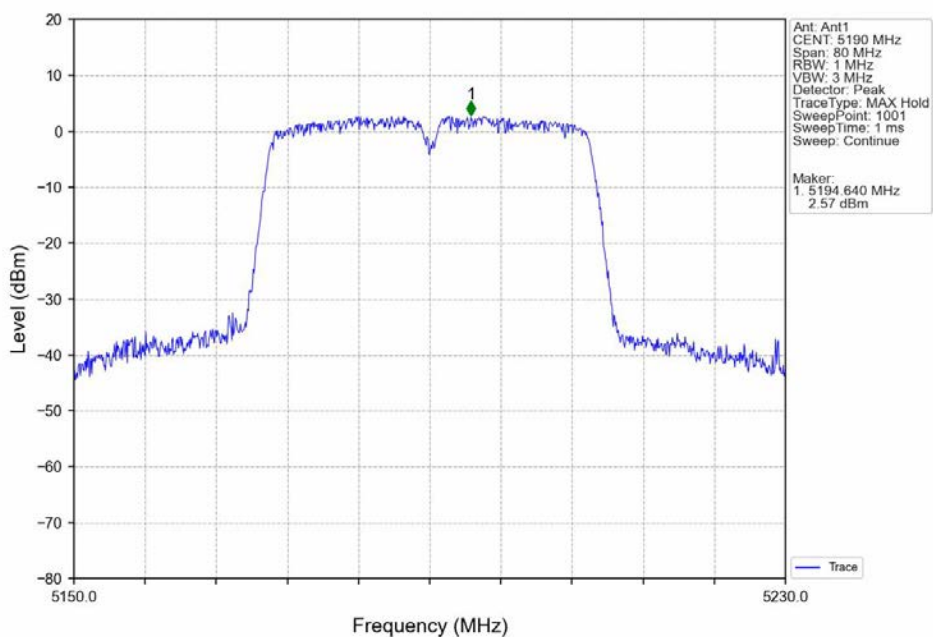


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

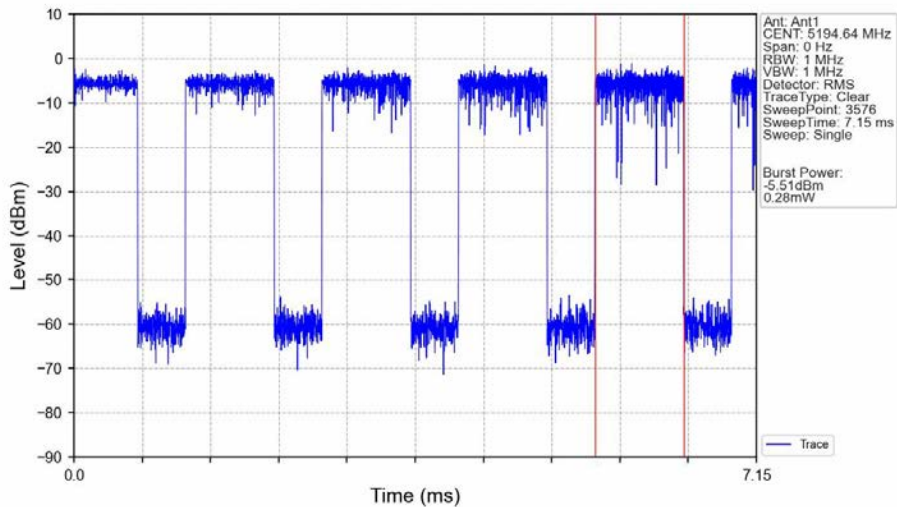


Burst No.	1	2	3	4	5
Length (ms)	1.890	1.890	1.890	1.888	1.888
Power(dBm)	0.93	0.93	0.93	0.93	0.93
Power(mW)	1.238	1.239	1.240	1.240	1.239
Remark	/	/	/	Max	/

802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

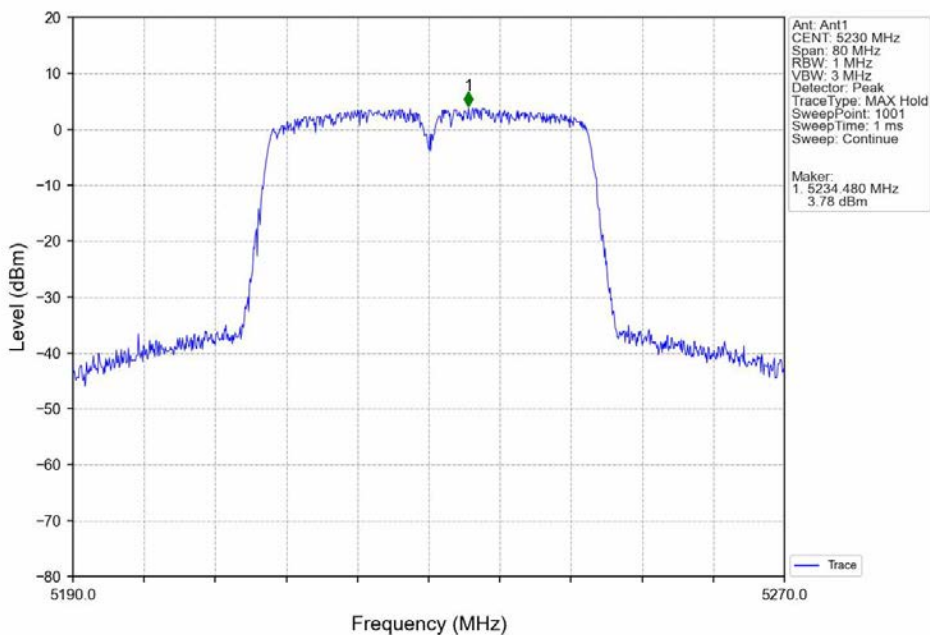


802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

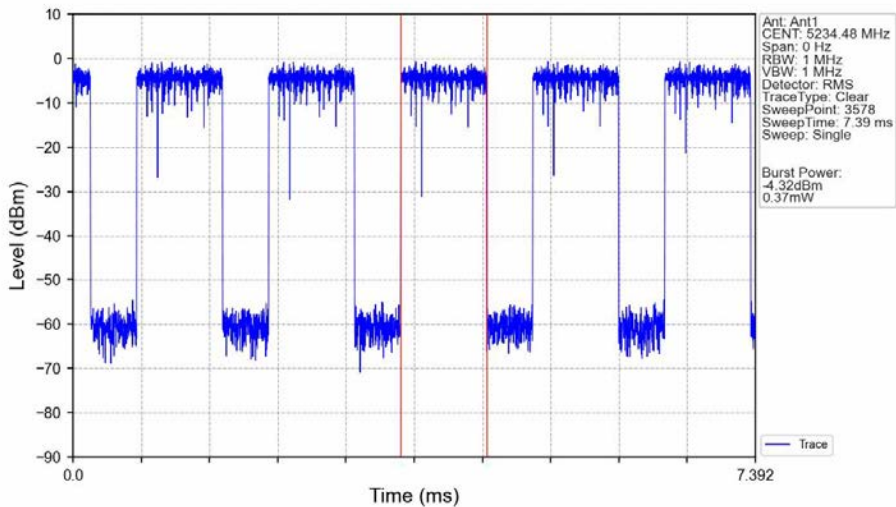


Burst No.	1	2	3	4
Length (ms)	0.930	0.930	0.930	0.928
Power(dBm)	-5.59	-5.57	-5.54	-5.51
Power(mW)	0.276	0.278	0.279	0.281
Remark	/	/	/	Max

802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



Burst No.	1	2	3	4	5
Length (ms)	0.938	0.938	0.938	0.938	0.940
Power(dBm)	-4.33	-4.32	-4.32	-4.32	-4.33
Power(mW)	0.369	0.370	0.370	0.370	0.369
Remark	/	/	Max	/	/

5. Adjacent Channel Leakage Power

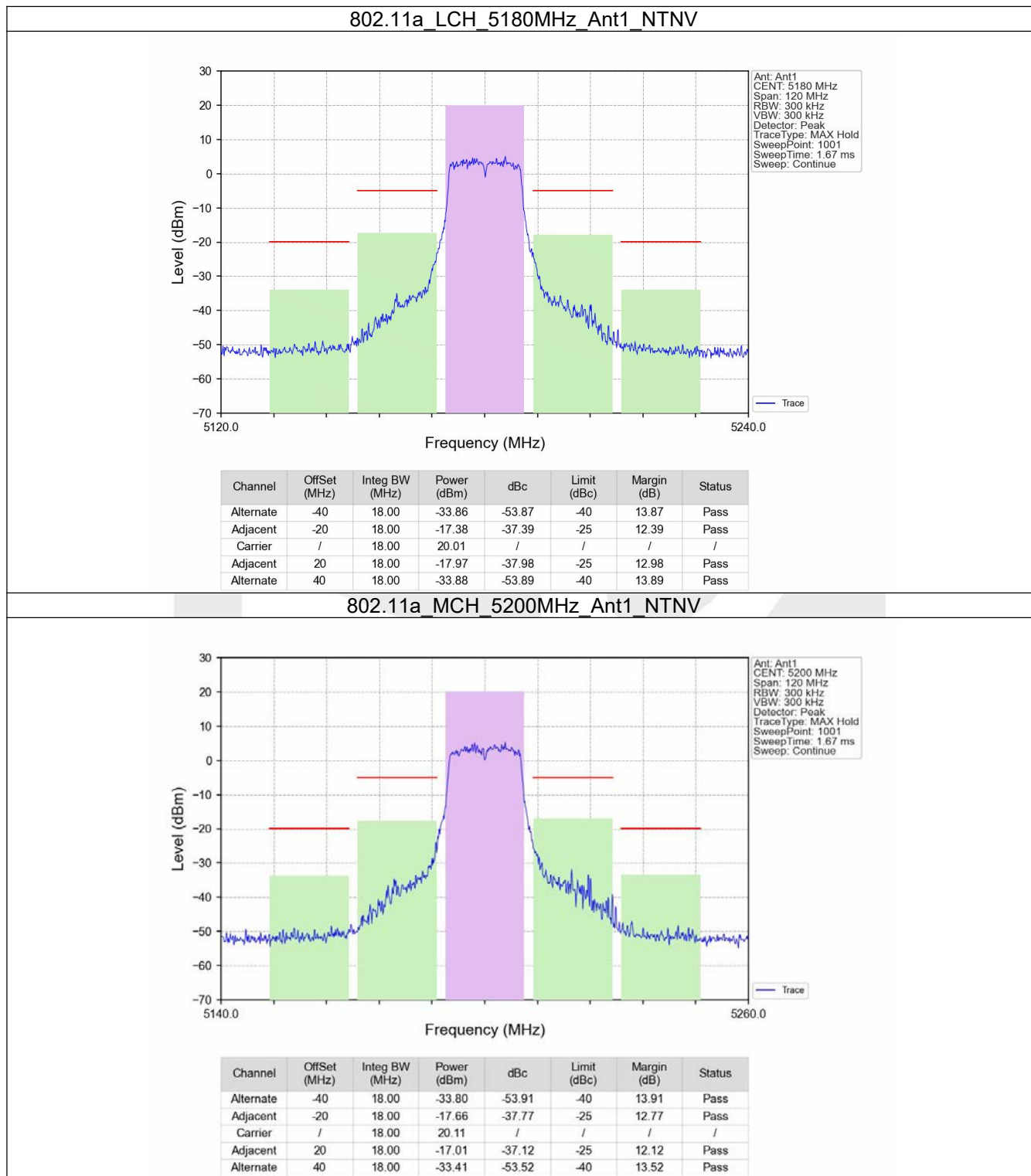
5.1 Test Result

5.1.1 ACLR_NTNV

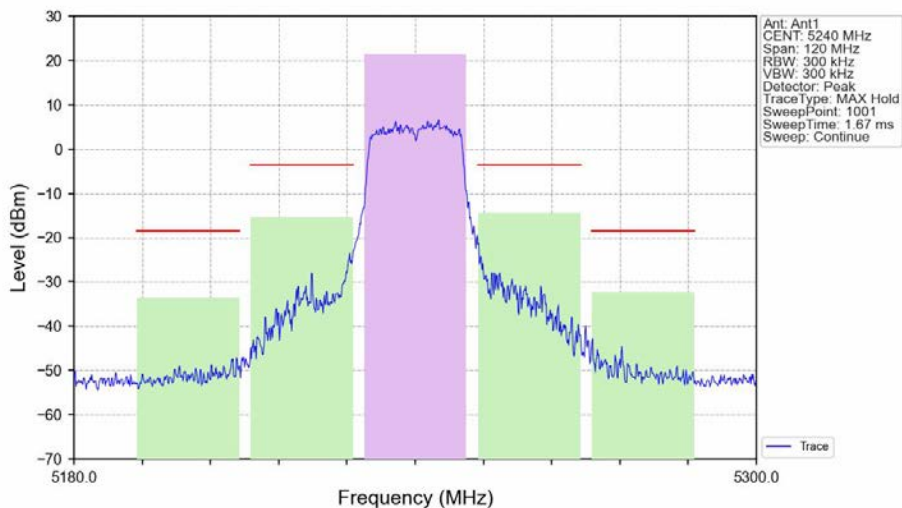
NTNV									
Mode	TX Type	Frequency (MHz)	ANT	Offset (MHz)	Integ BW (MHz)	Power (dBm)	Result (dBc)	Limit (dBc)	Verdict
802.11a	SISO	5180	1	-40	18	-33.86	-53.87	<=-40	Pass
				-20	18	-17.38	-37.39	<=-25	Pass
				0	18	20.01	/	/	/
				20	18	-17.97	-37.98	<=-25	Pass
				40	18	-33.88	-53.89	<=-40	Pass
		5200	1	-40	18	-33.80	-53.91	<=-40	Pass
				-20	18	-17.66	-37.77	<=-25	Pass
				0	18	20.11	/	/	/
				20	18	-17.01	-37.12	<=-25	Pass
				40	18	-33.41	-53.52	<=-40	Pass
		5240	1	-40	18	-33.65	-55.15	<=-40	Pass
				-20	18	-15.44	-36.94	<=-25	Pass
802.11n (HT20)	SISO	5180	1	0	18	21.50	/	/	/
				20	18	-14.43	-35.93	<=-25	Pass
				40	18	-32.33	-53.83	<=-40	Pass
		5200	1	-40	18	-36.73	-54.53	<=-40	Pass
				-20	18	-19.26	-37.06	<=-25	Pass
				0	18	17.80	/	/	/
				20	18	-20.01	-37.81	<=-25	Pass
				40	18	-36.80	-54.60	<=-40	Pass
		5240	1	-40	18	-37.05	-54.83	<=-40	Pass
				-20	18	-19.14	-36.92	<=-25	Pass
				0	18	17.78	/	/	/
				20	18	-19.79	-37.57	<=-25	Pass
802.11n (HT40)	SISO	5190	1	40	18	-36.75	-54.53	<=-40	Pass
				-40	18	-37.18	-55.90	<=-40	Pass
				-20	18	-19.41	-38.13	<=-25	Pass
				0	18	18.72	/	/	/
				20	18	-18.81	-37.53	<=-25	Pass
		5230	1	40	18	-36.38	-55.10	<=-40	Pass
				-80	40	-34.26	-49.63	<=-40	Pass
				-40	40	-25.43	-40.80	<=-25	Pass
				0	40	15.37	/	/	/
				40	40	-25.88	-41.25	<=-25	Pass
				80	40	-33.83	-49.20	<=-40	Pass
				-80	40	-34.49	-50.79	<=-40	Pass
				-40	40	-25.85	-42.15	<=-25	Pass
				0	40	16.30	/	/	/
				40	40	-25.68	-41.98	<=-25	Pass
				80	40	-33.73	-50.03	<=-40	Pass

5.2 Test Graph

5.2.1 ACLR_NTNV

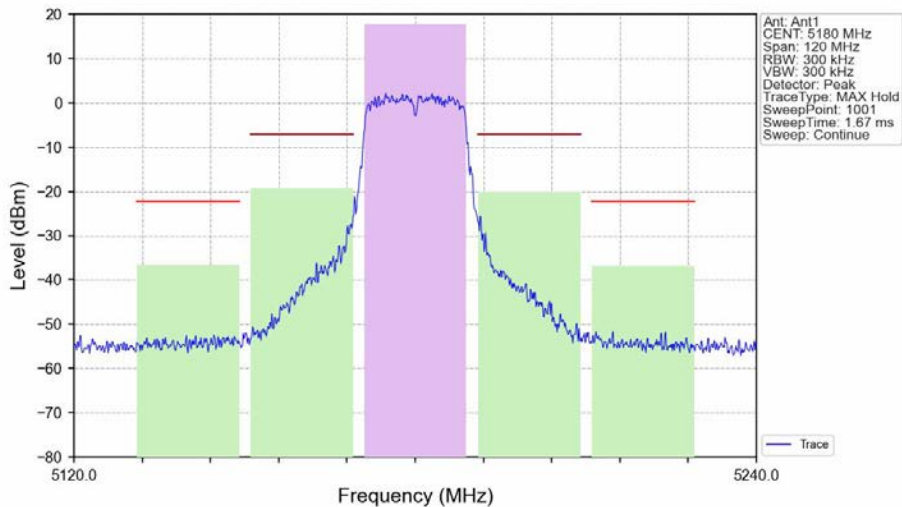


802.11a_HCH_5240MHz_Ant1_NTNV



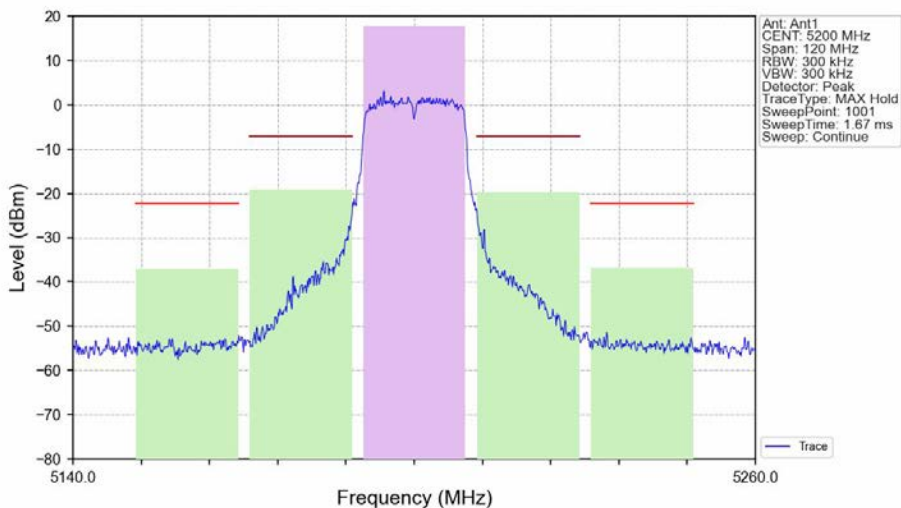
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-33.65	-55.15	-40	15.15	Pass
Adjacent	-20	18.00	-15.44	-36.94	-25	11.94	Pass
Carrier	/	18.00	21.50	/	/	/	/
Adjacent	20	18.00	-14.43	-35.93	-25	10.93	Pass
Alternate	40	18.00	-32.33	-53.83	-40	13.83	Pass

802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



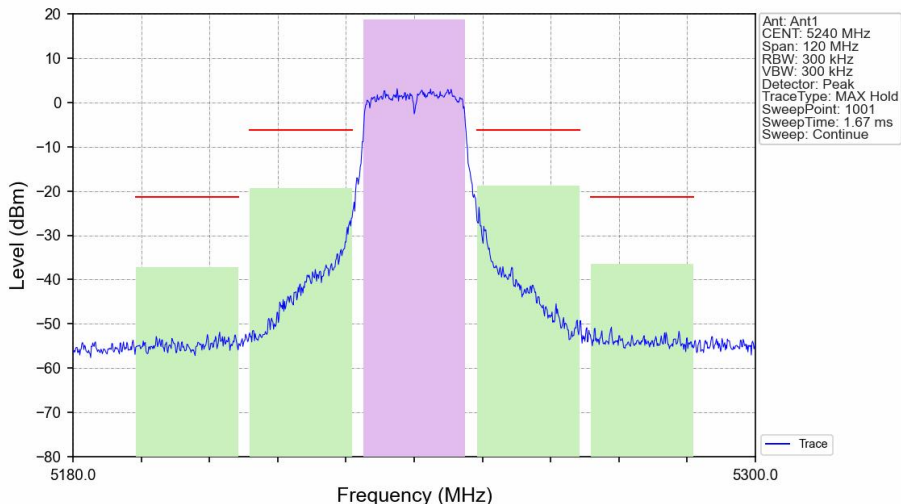
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-36.73	-54.53	-40	14.53	Pass
Adjacent	-20	18.00	-19.26	-37.06	-25	12.06	Pass
Carrier	/	18.00	17.80	/	/	/	/
Adjacent	20	18.00	-20.01	-37.81	-25	12.81	Pass
Alternate	40	18.00	-36.80	-54.60	-40	14.60	Pass

802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



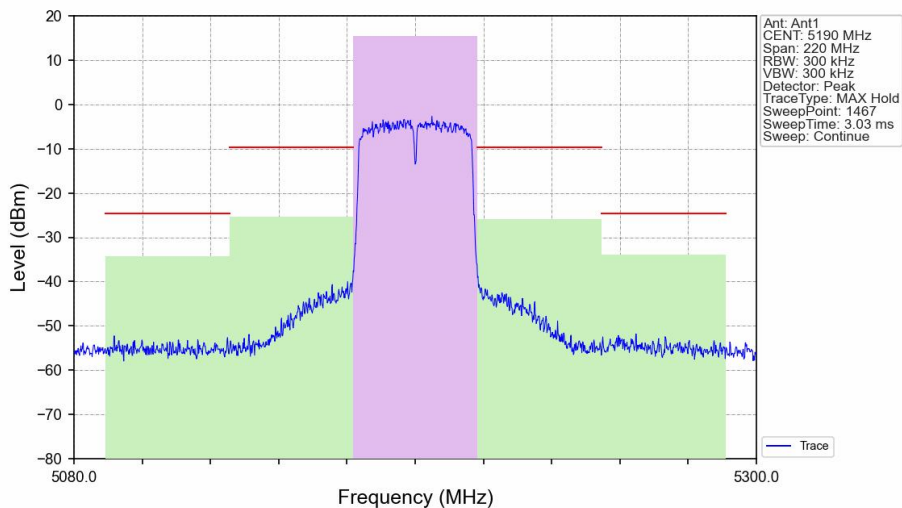
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-37.05	-54.83	-40	14.83	Pass
Adjacent	-20	18.00	-19.14	-36.92	-25	11.92	Pass
Carrier	/	18.00	17.78	/	/	/	/
Adjacent	20	18.00	-19.79	-37.57	-25	12.57	Pass
Alternate	40	18.00	-36.75	-54.53	-40	14.53	Pass

802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



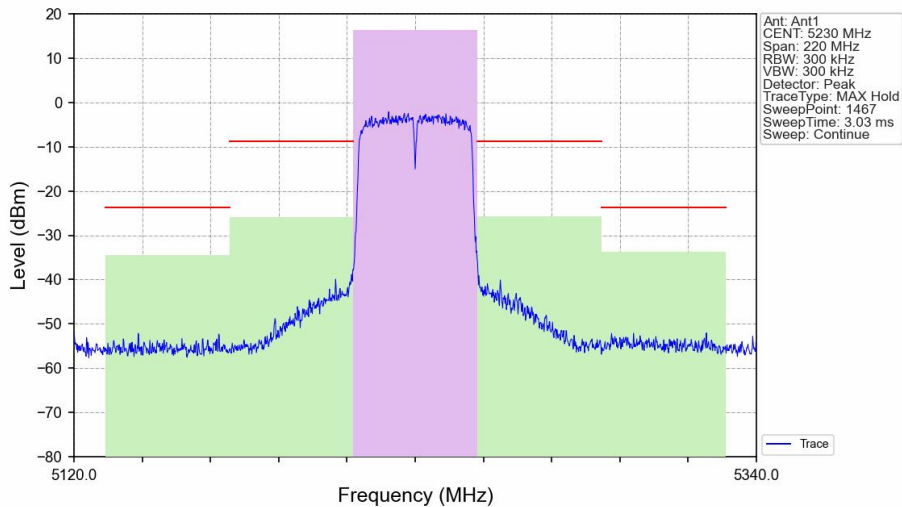
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-37.18	-55.90	-40	15.90	Pass
Adjacent	-20	18.00	-19.41	-38.13	-25	13.13	Pass
Carrier	/	18.00	18.72	/	/	/	/
Adjacent	20	18.00	-18.81	-37.53	-25	12.53	Pass
Alternate	40	18.00	-36.38	-55.10	-40	15.10	Pass

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	-34.26	-49.63	-40	9.63	Pass
Adjacent	-40	40.00	-25.43	-40.80	-25	15.80	Pass
Carrier	/	40.00	15.37	/	/	/	/
Adjacent	40	40.00	-25.88	-41.25	-25	16.25	Pass
Alternate	80	40.00	-33.83	-49.20	-40	9.20	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	-34.49	-50.79	-40	10.79	Pass
Adjacent	-40	40.00	-25.85	-42.15	-25	17.15	Pass
Carrier	/	40.00	16.30	/	/	/	/
Adjacent	40	40.00	-25.68	-41.98	-25	16.98	Pass
Alternate	80	40.00	-33.73	-50.03	-40	10.03	Pass

6. Out Of Bands Leakage Power

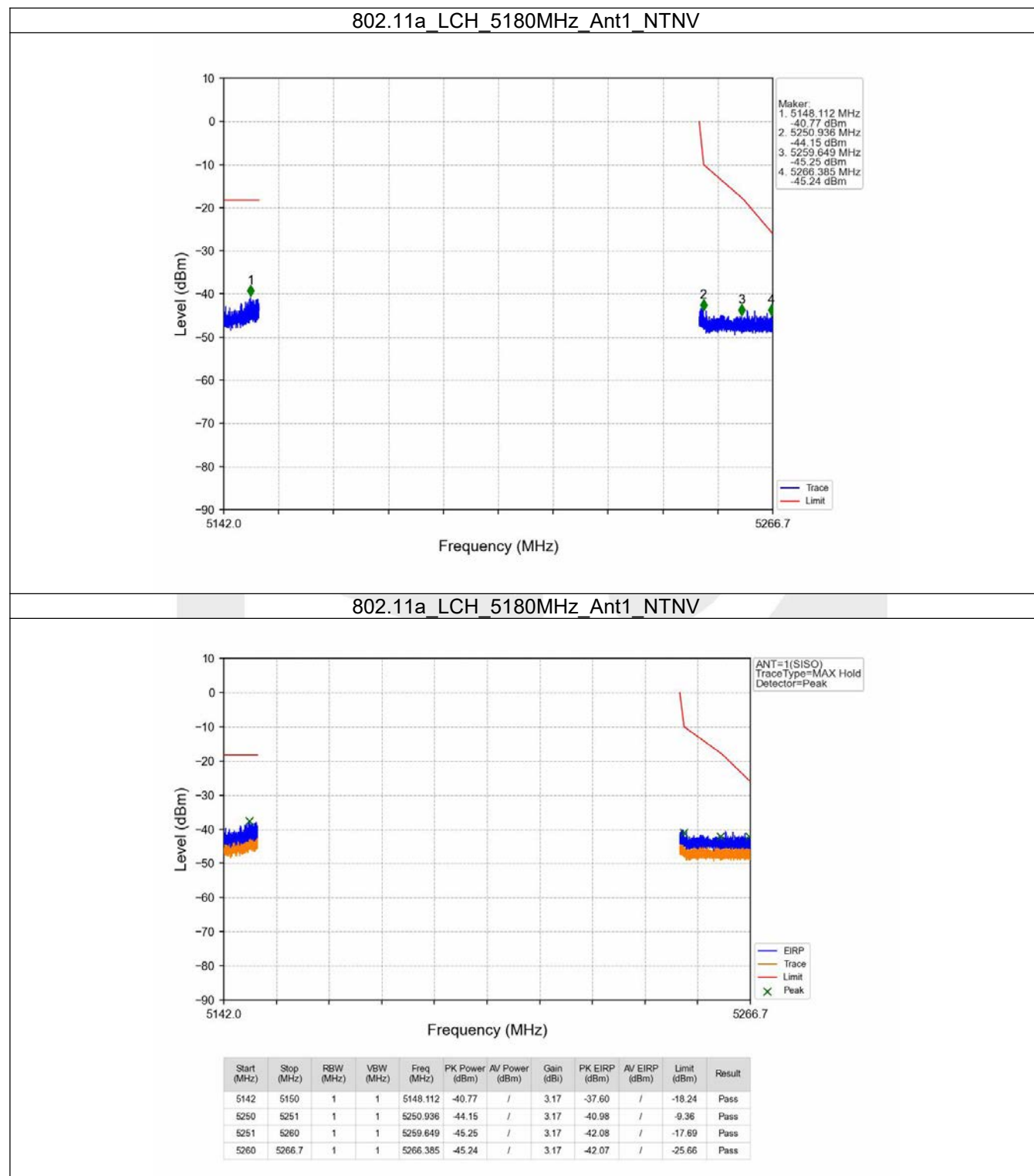
6.1 Test Result

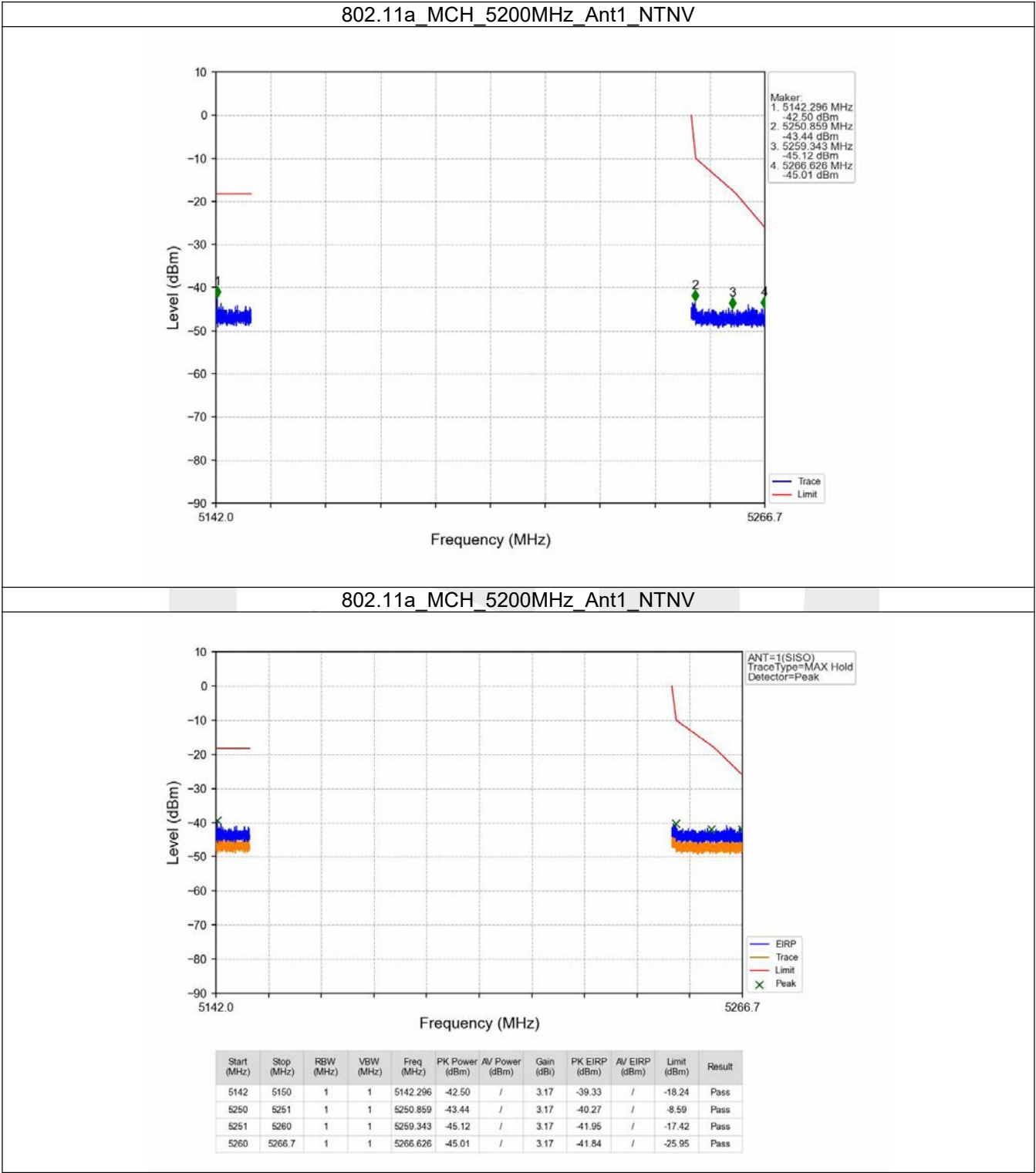
6.1.1 OOB_NTNV

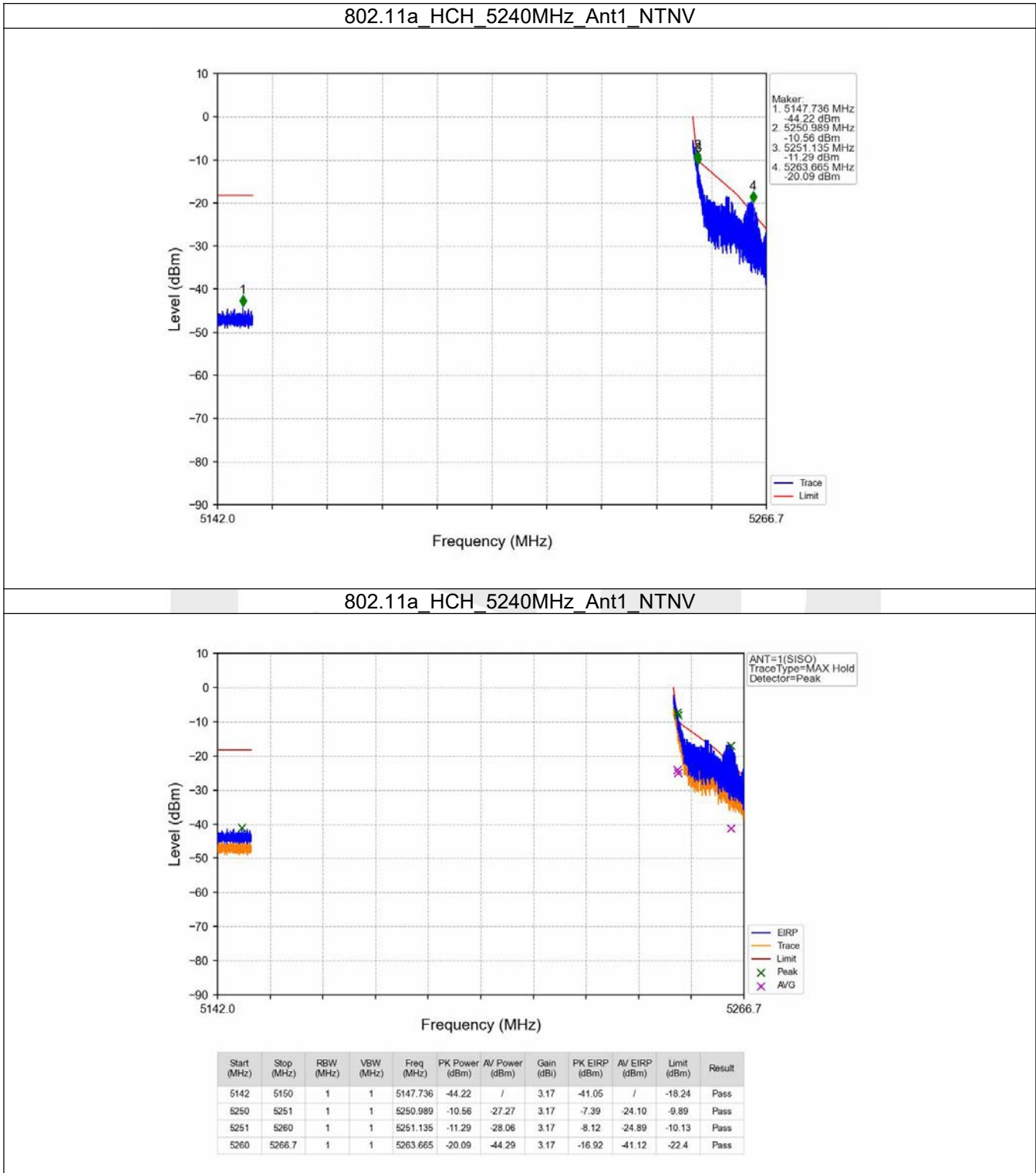
NTNV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK EIRP (dBm /MHz)	PK EIRP (uW /MHz)	AV EIRP (dBm /MHz)	AV EIRP (uW /MHz)		
802.11a	SISO	5180	1	5142	5150	5148.112	-37.60	0.174	/	/	15	Pass
				5250	5251	5250.936	-40.98	0.080	/	/	115.861	Pass
				5251	5260	5259.649	-42.08	0.062	/	/	17.028	Pass
				5260	5266.7	5266.385	-42.07	0.062	/	/	2.715	Pass
		5200	1	5142	5150	5142.296	-39.33	0.117	/	/	15	Pass
				5250	5251	5250.859	-40.27	0.094	/	/	138.312	Pass
				5251	5260	5259.343	-41.95	0.064	/	/	18.128	Pass
				5260	5266.7	5266.626	-41.84	0.065	/	/	2.54	Pass
		5240	1	5142	5150	5147.736	-41.05	0.079	/	/	15	Pass
				5250	5251	5250.989	-7.39	182.390	-24.10	3.890	102.563	Pass
				5251	5260	5251.135	-8.12	154.170	-24.89	3.243	97.099	Pass
				5260	5266.7	5263.665	-16.92	20.324	-41.12	0.077	5.753	Pass
802.11n (HT20)	SISO	5180	1	5142	5150	5149.68	-39.64	0.109	/	/	15	Pass
				5250	5251	5250.993	-43.84	0.041	/	/	101.623	Pass
				5251	5260	5259.955	-44.09	0.039	/	/	15.996	Pass
				5260	5266.7	5266.667	-43.99	0.040	/	/	2.512	Pass
		5200	1	5142	5150	5147.168	-43.79	0.042	/	/	15	Pass
				5250	5251	5250.97	-43.84	0.041	/	/	107.145	Pass
				5251	5260	5259.847	-44.15	0.038	/	/	16.353	Pass
				5260	5266.7	5266.144	-44.47	0.036	/	/	2.902	Pass
		5240	1	5142	5150	5148.952	-44.23	0.038	/	/	15	Pass
				5250	5251	5250.995	-7.68	170.608	-25.64	2.729	101.157	Pass
				5251	5260	5251.297	-10.55	88.105	/	/	93.935	Pass
				5260	5266.7	5260.596	-29.91	1.021	/	/	13.419	Pass
802.11n (HT40)	SISO	5190	1	5141.6	5150	5147.194	-35.61	0.275	/	/	15	Pass
				5250	5251	5250.968	-43.91	0.041	/	/	53.819	Pass
				5251	5270	5269.848	-45.11	0.031	/	/	8.042	Pass
				5270	5278.4	5278.291	-44.23	0.038	/	/	2.521	Pass
		5230	1	5141.6	5150	5142.18	-44.26	0.037	/	/	15	Pass
				5250	5251	5250.977	-30.25	0.944	/	/	52.717	Pass
				5251	5270	5268.67	-34.07	0.392	/	/	9.013	Pass
				5270	5278.4	5273.31	-38.58	0.139	/	/	5.013	Pass

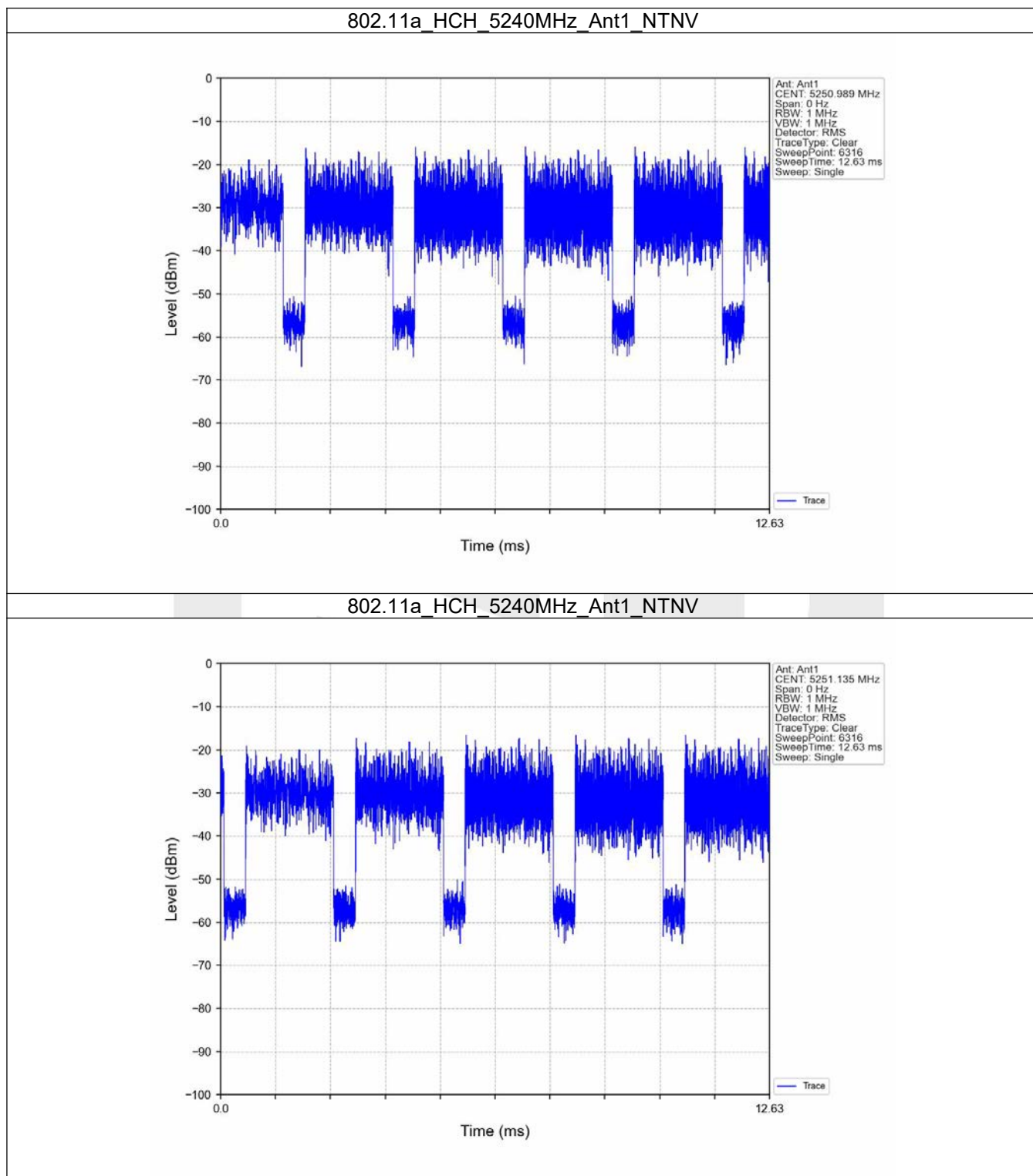
6.2 Test Graph

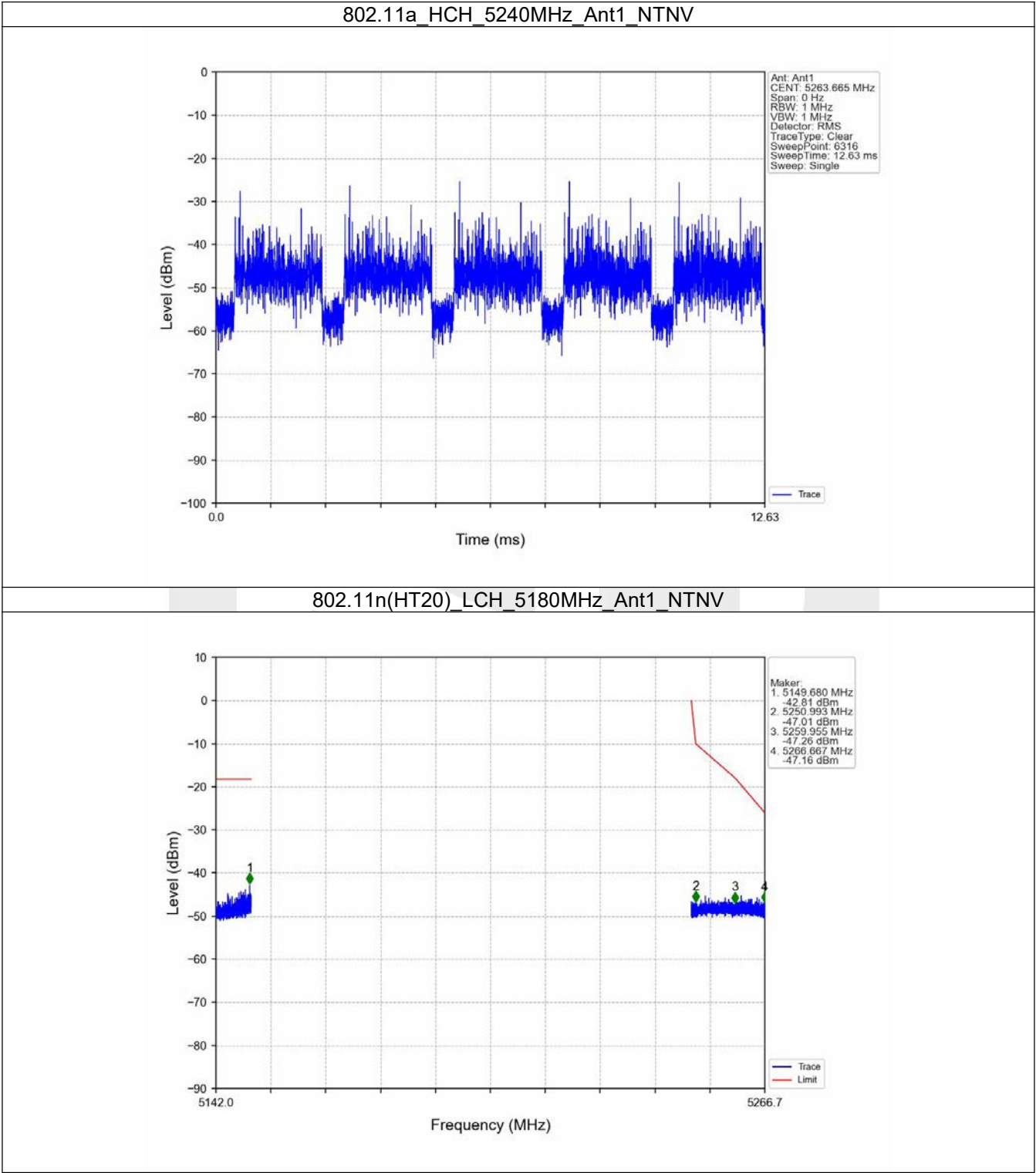
6.2.1 OOB_NTNV



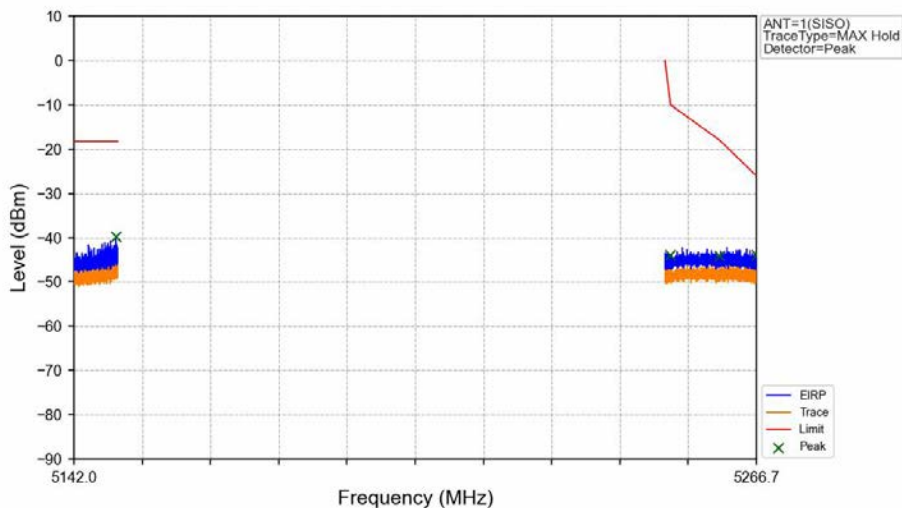






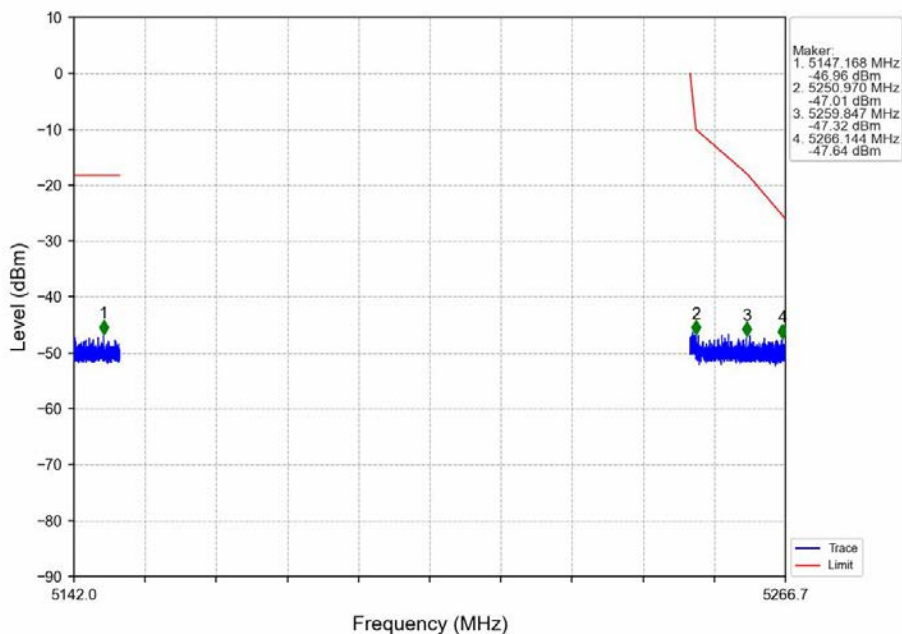


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

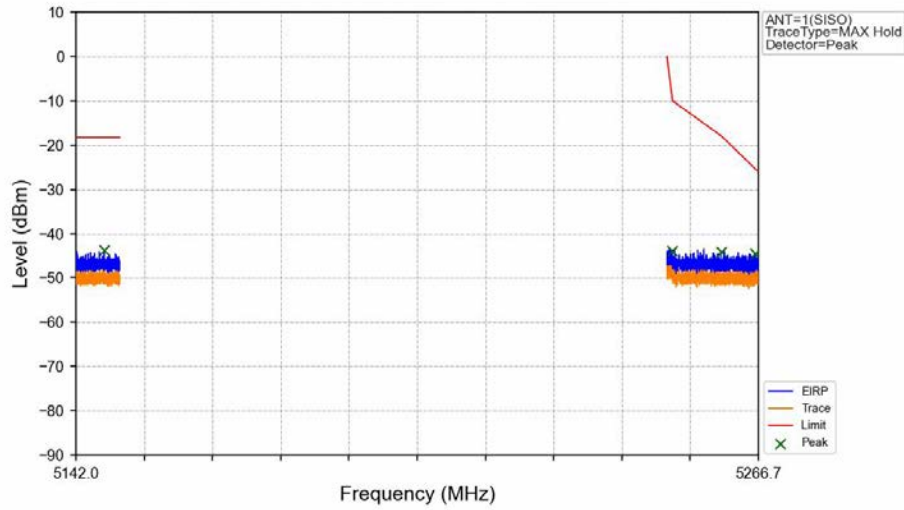


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5149.680	-42.81	/	3.17	-39.64	/	-18.24	Pass
5250	5251	1	1	5250.993	-47.01	/	3.17	-43.84	/	-9.93	Pass
5251	5260	1	1	5259.955	-47.26	/	3.17	-44.09	/	-17.96	Pass
5260	5266.7	1	1	5266.667	-47.16	/	3.17	-43.99	/	-26	Pass

802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

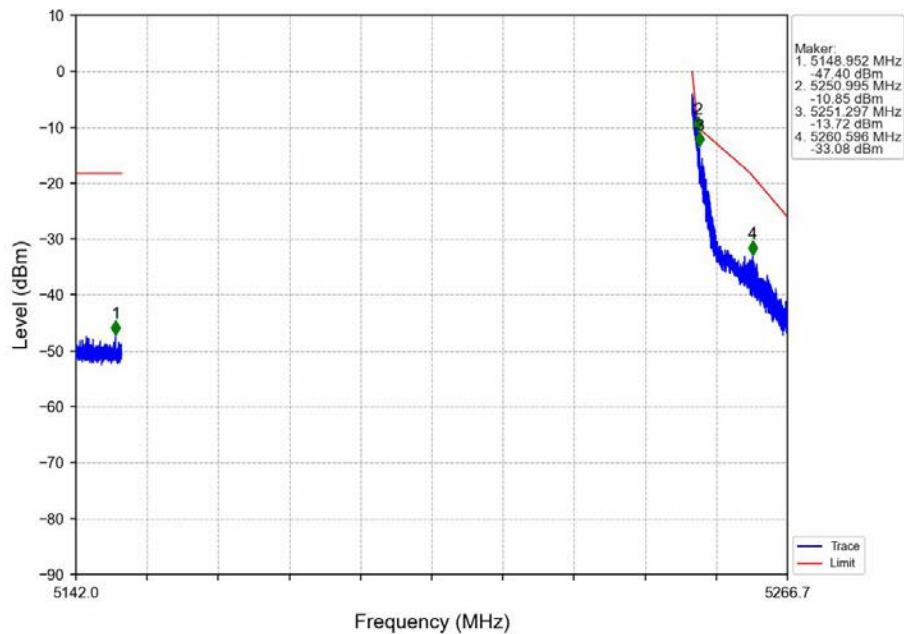


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

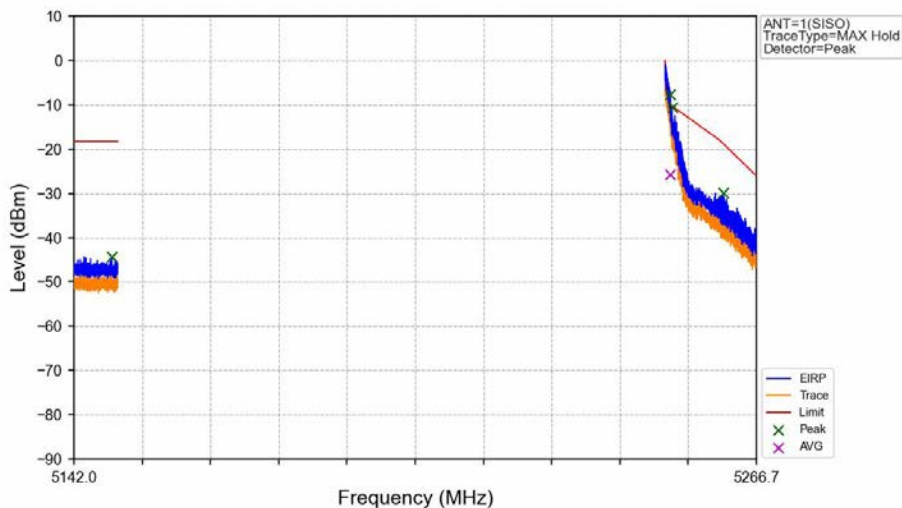


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5147.168	-46.96	/	3.17	-43.79	/	-18.24	Pass
5250	5251	1	1	5250.970	-47.01	/	3.17	-43.84	/	-9.7	Pass
5251	5260	1	1	5259.847	-47.32	/	3.17	-44.15	/	-17.86	Pass
5260	5266.7	1	1	5266.144	-47.64	/	3.17	-44.47	/	-25.37	Pass

802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

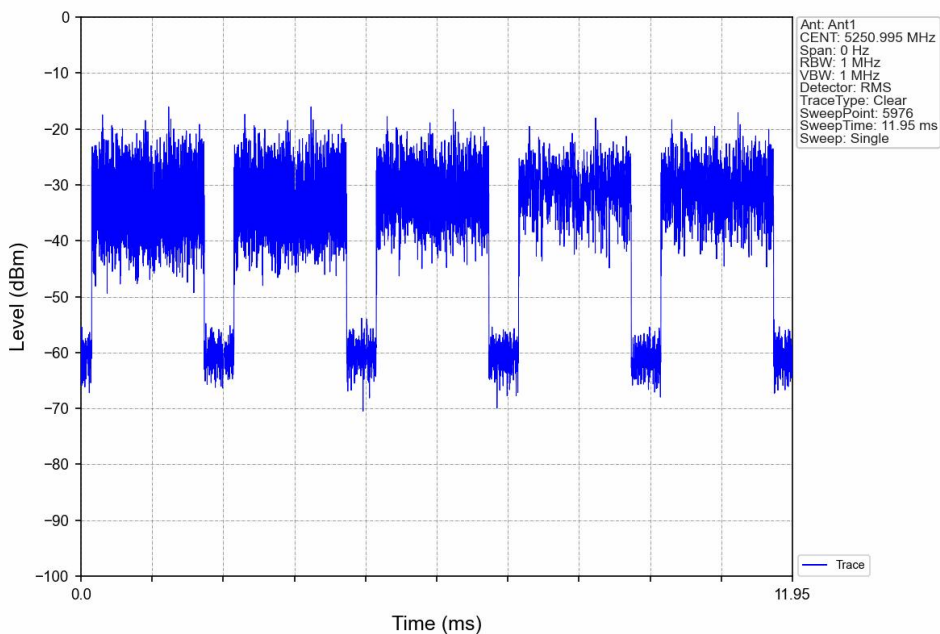


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

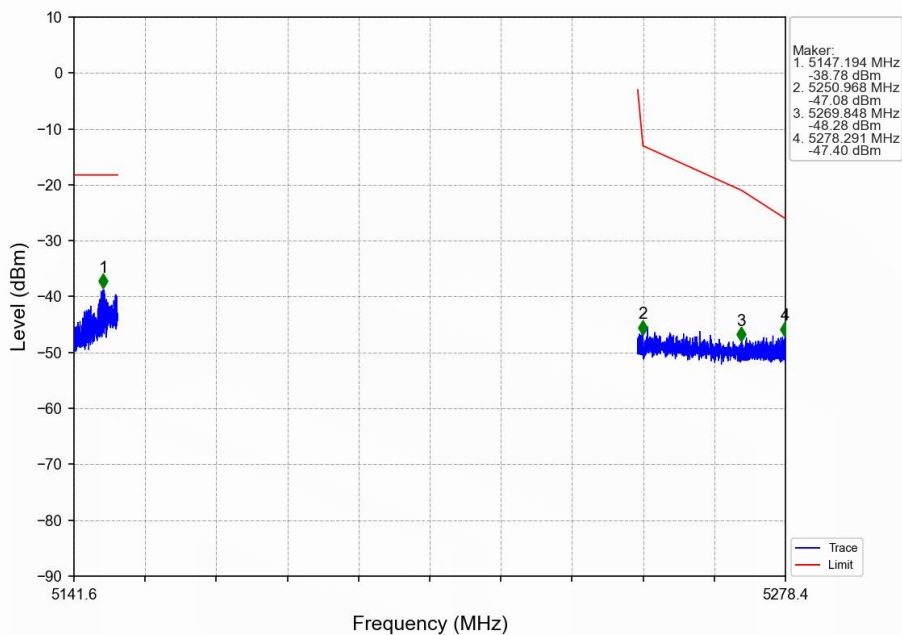


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5148.952	-47.40	/	3.17	-44.23	/	-18.24	Pass
5250	5251	1	1	5250.995	-10.85	-28.81	3.17	-7.68	-25.64	-9.95	Pass
5251	5260	1	1	5251.297	-13.72	/	3.17	-10.55	/	-10.27	Pass
5260	5266.7	1	1	5260.596	-33.08	/	3.17	-29.91	/	-18.72	Pass

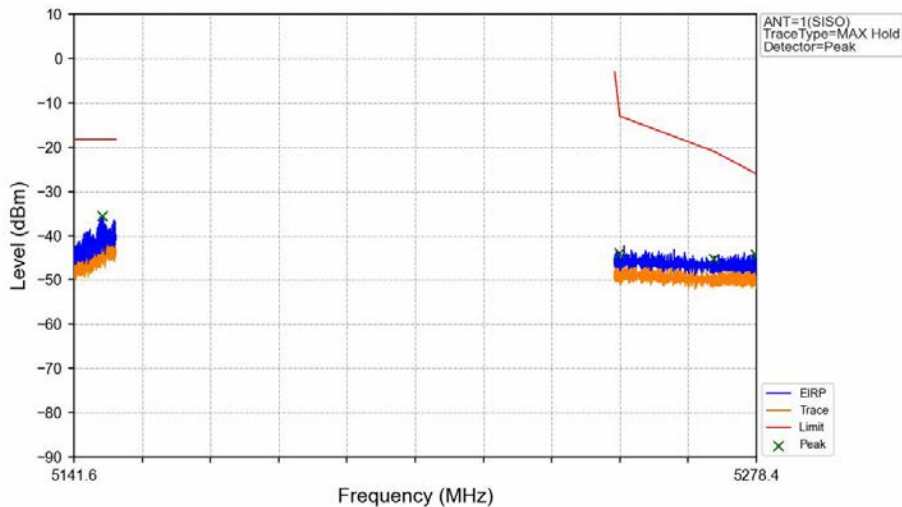
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



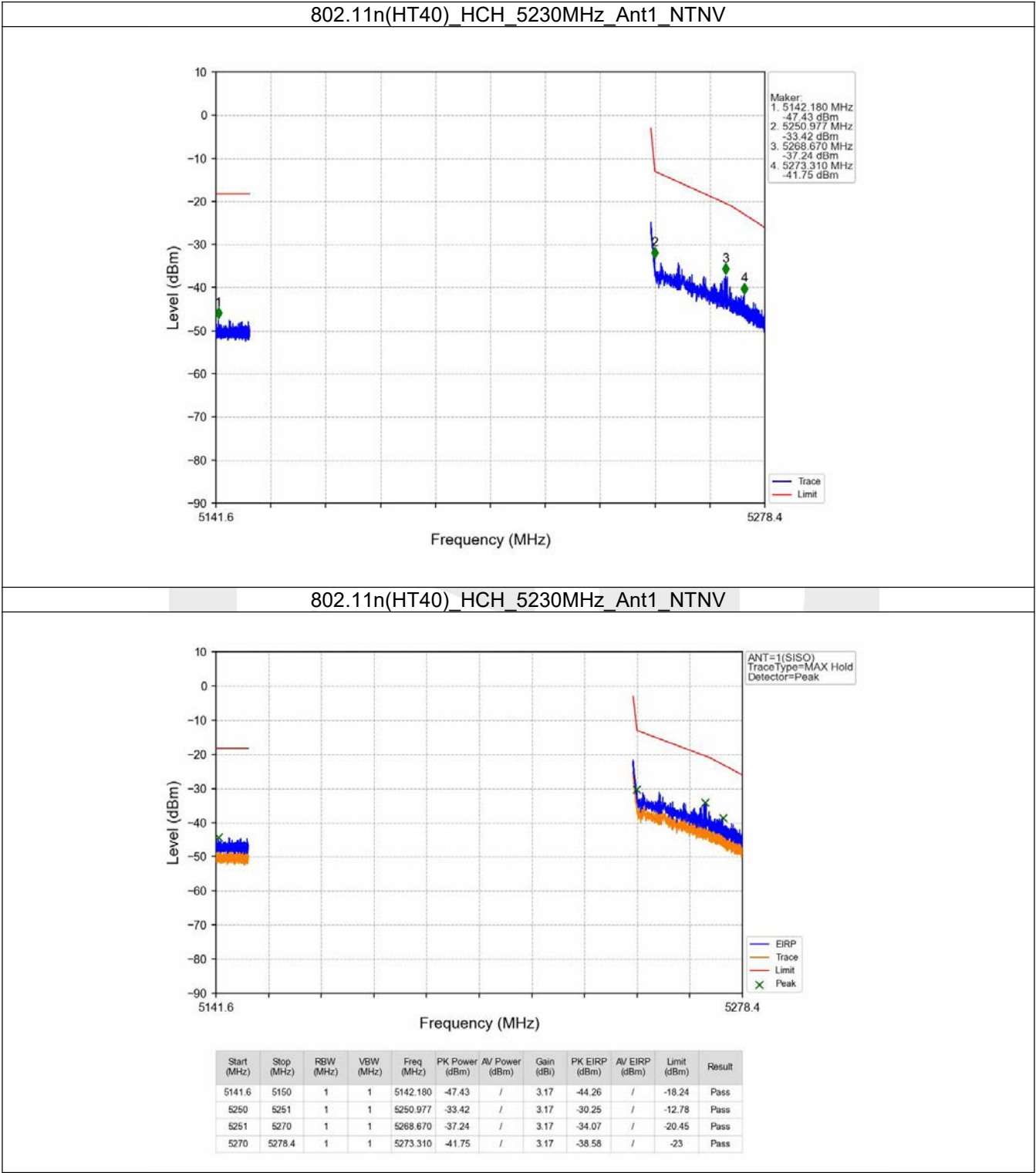
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dB)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5141.6	5150	1	1	5147.194	-38.78	/	3.17	-35.61	/	-18.24	Pass
5250	5251	1	1	5250.968	-47.08	/	3.17	-43.91	/	-12.69	Pass
5251	5270	1	1	5269.848	-48.28	/	3.17	-45.11	/	-20.95	Pass
5270	5278.4	1	1	5278.291	-47.40	/	3.17	-44.23	/	-25.98	Pass



7. Transmission Burst Length

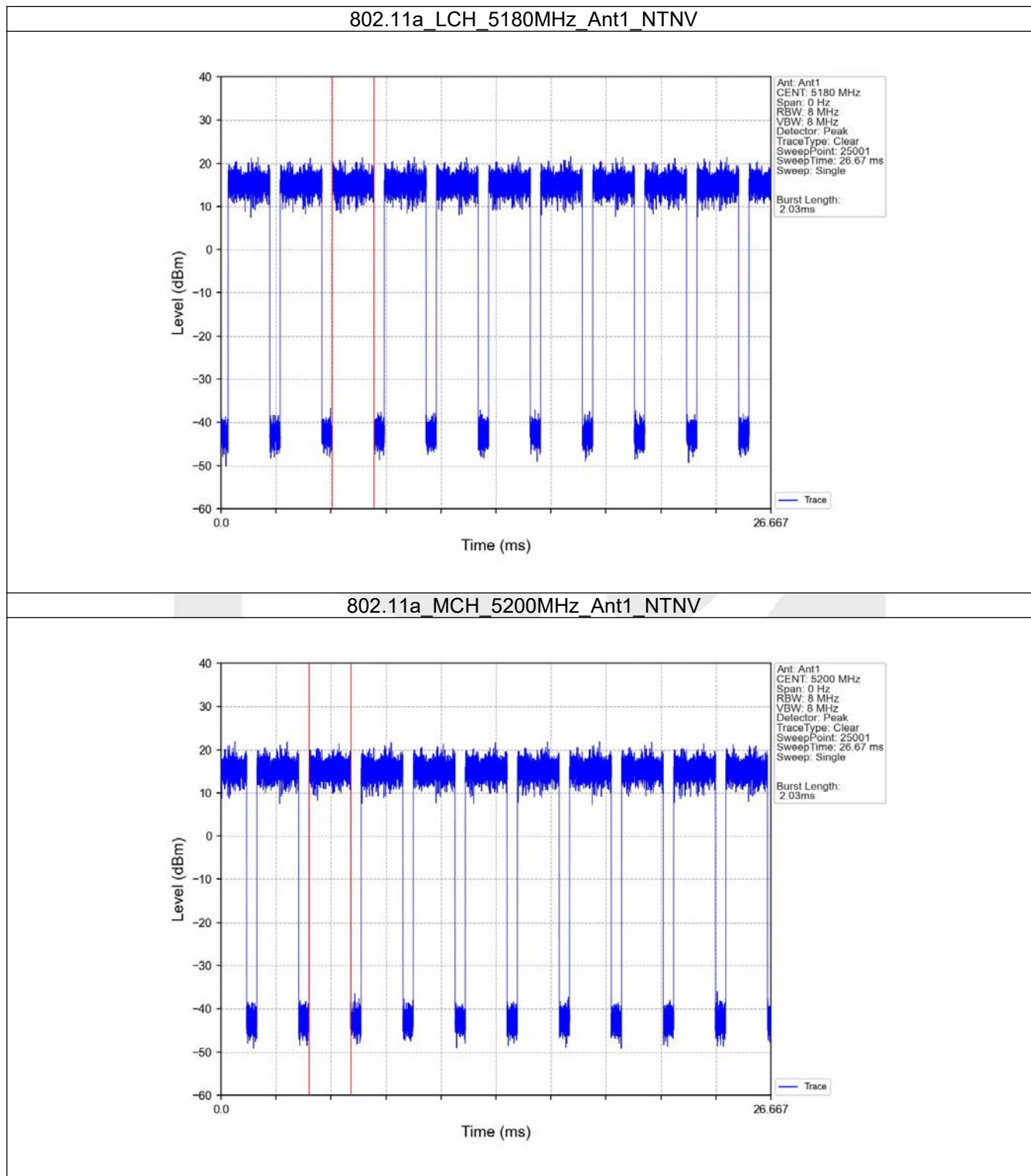
7.1 Test Result

7.1.1 Ant1_NTNV

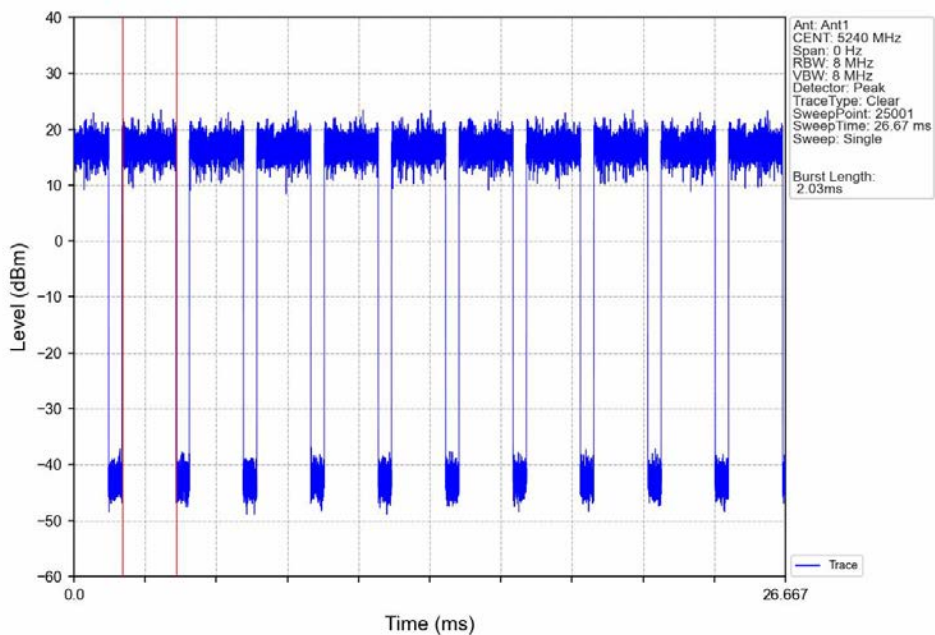
Ant1_NTNV					
Mode	TX Type	Frequency (MHz)	Burst Length (ms)		Verdict
			Result	Limit	
802.11a	SISO	5180	2.027	<=8	Pass
		5200	2.027	<=8	Pass
		5240	2.027	<=8	Pass
802.11n (HT20)	SISO	5180	1.890	<=8	Pass
		5200	1.891	<=8	Pass
		5240	1.891	<=8	Pass
802.11n (HT40)	SISO	5190	0.930	<=8	Pass
		5230	0.930	<=8	Pass

7.2 Test Graph

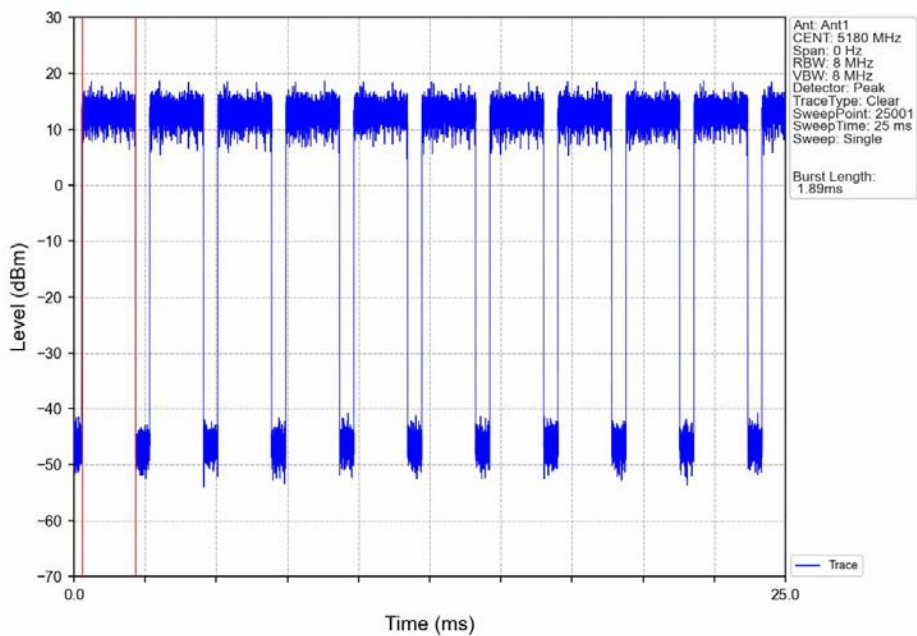
7.2.1 Ant1_NTNV



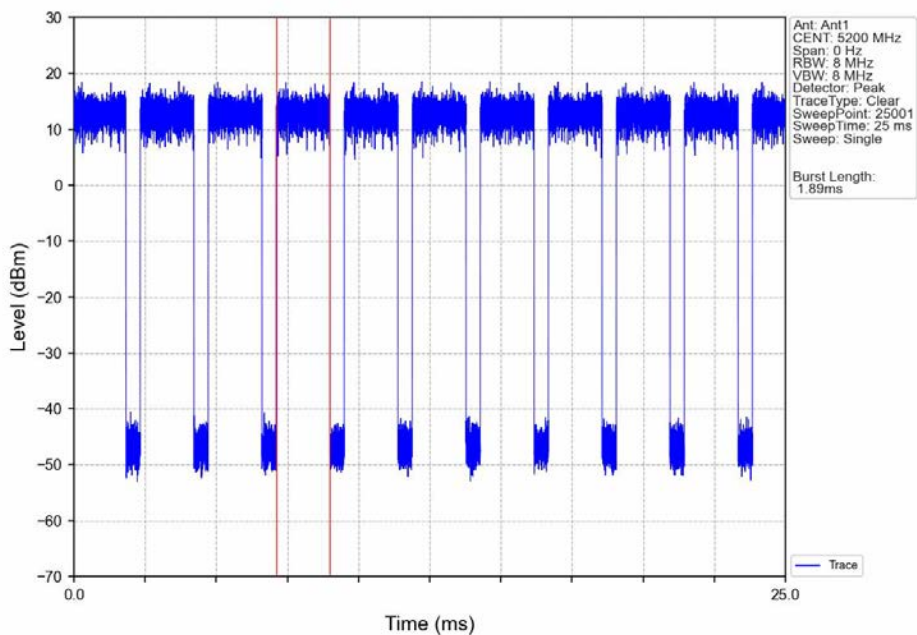
802.11a_HCH_5240MHz_Ant1_NTNV



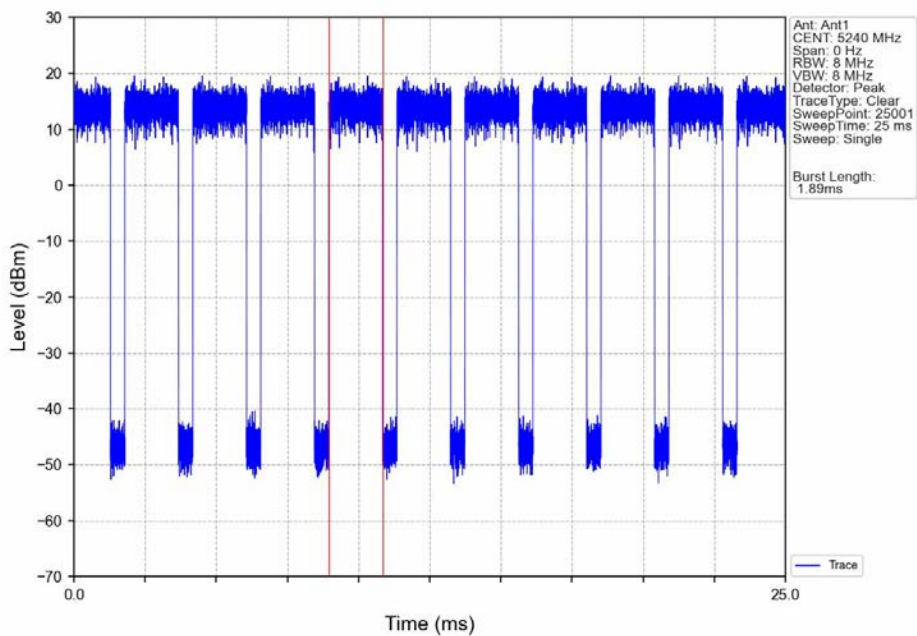
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



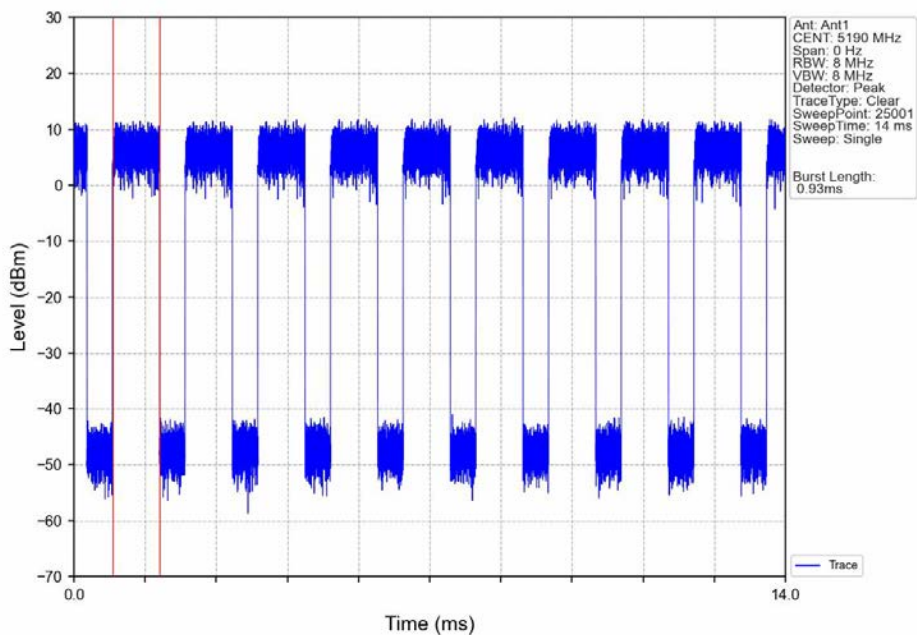
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



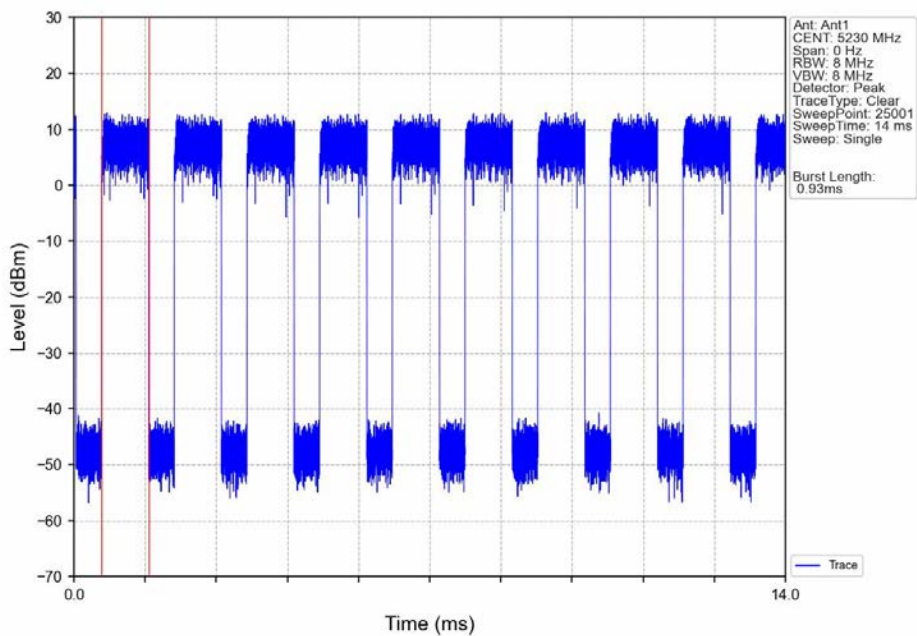
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



8. Spurious Emission Intensity

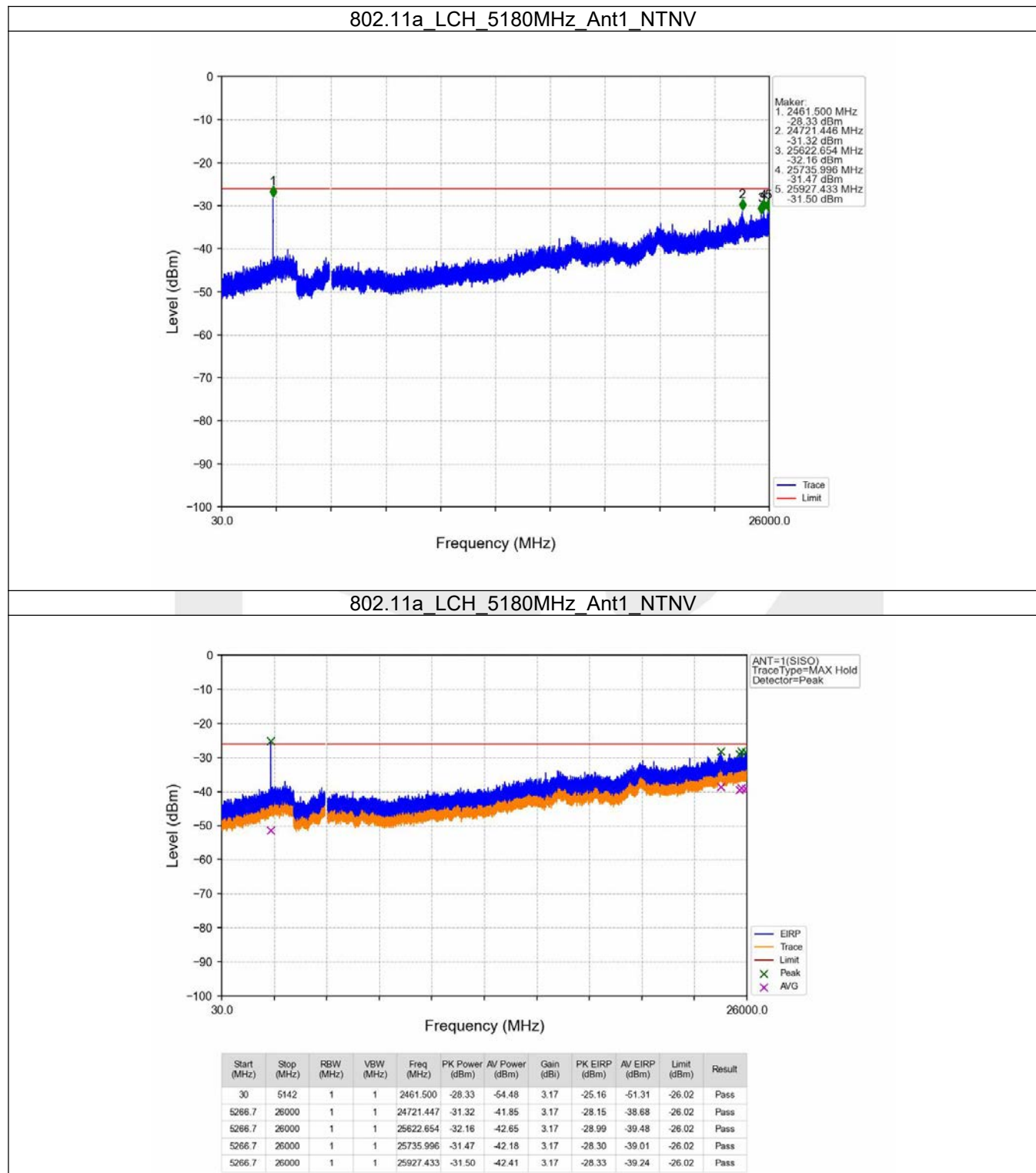
8.1 Test Result

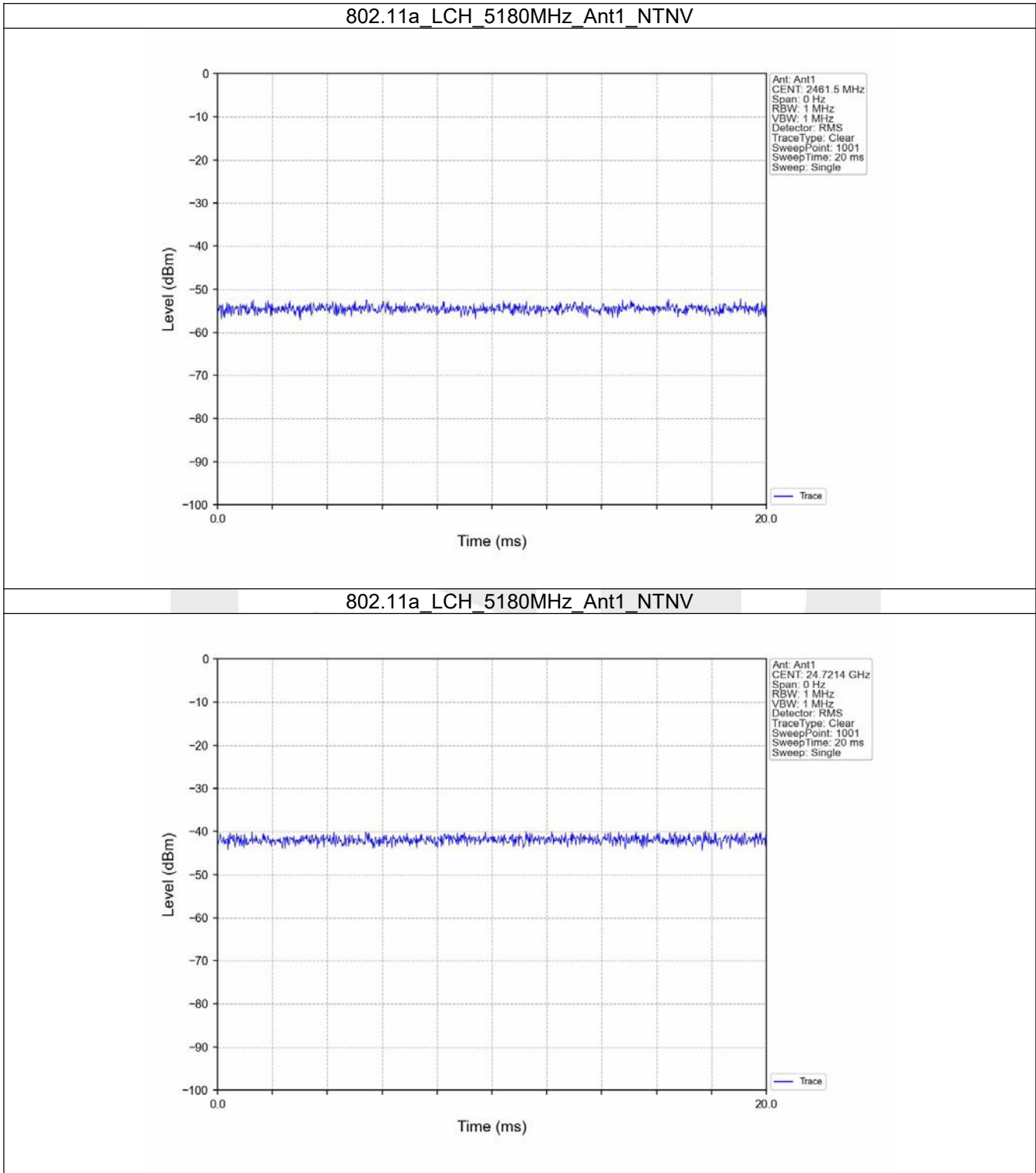
8.1.1 TxSe_NTNV

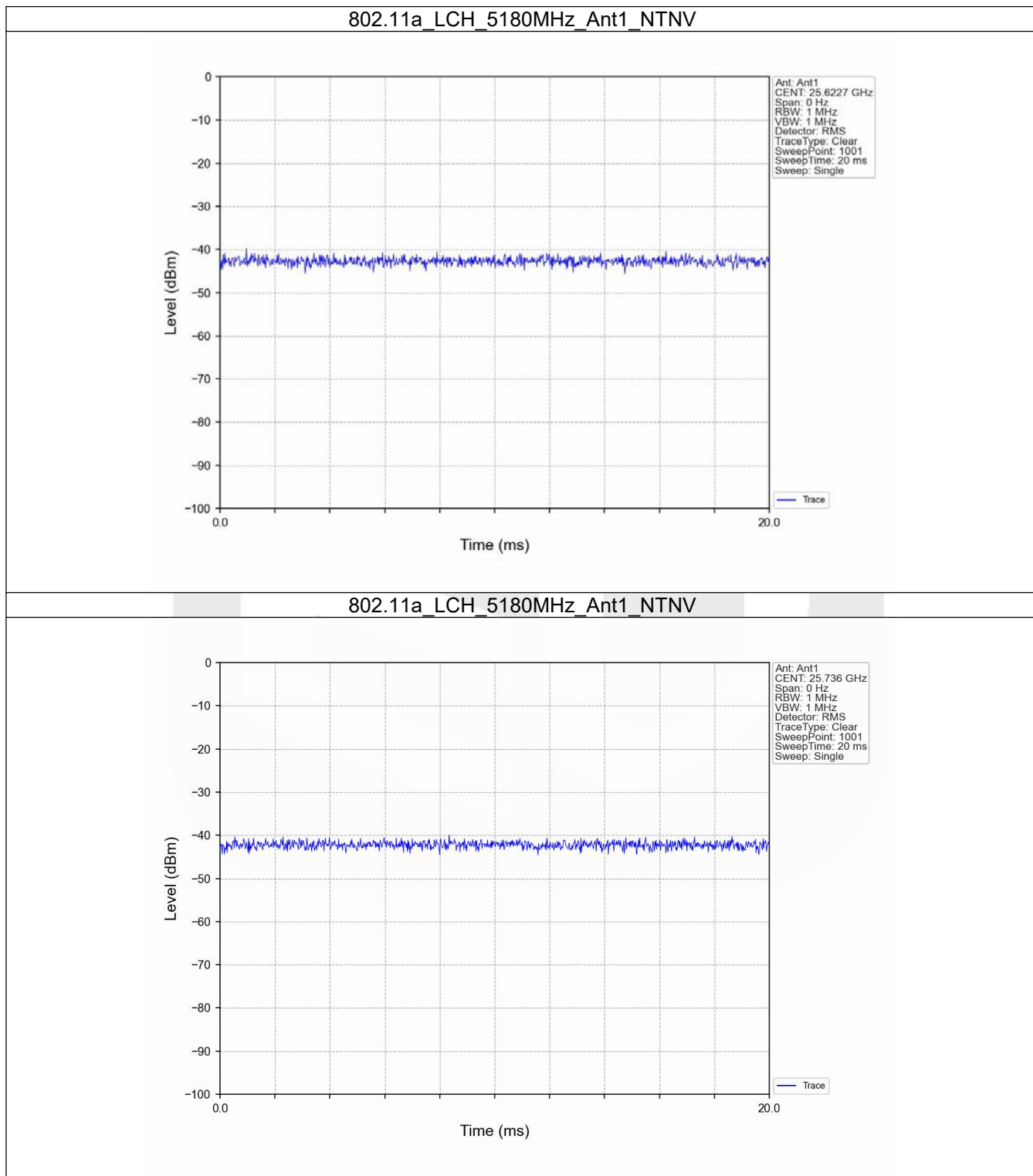
NTNV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK EIRP (dBm /MHz)	PK EIRP (uW /MHz)	AV EIRP (dBm /MHz)	AV EIRP (uW /MHz)		
802.11a	SISO	5180	1	30	5142	2461.5	-25.16	3.048	-51.31	0.007	2.5	Pass
				5266.7	26000	24721.447	-28.15	1.531	-38.68	0.136	2.5	Pass
						25622.654	-28.99	1.262	-39.48	0.113	2.5	Pass
						25735.996	-28.30	1.479	-39.01	0.126	2.5	Pass
						25927.433	-28.33	1.469	-39.24	0.119	2.5	Pass
		5200	1	30	5142	3011.5	-37.76	0.167	/	/	2.5	Pass
				5266.7	26000	25567.365	-28.37	1.455	-39.63	0.109	2.5	Pass
						25979.267	-29.02	1.253	/	/	2.5	Pass
		5240	1	30	5142	3148	-37.97	0.160	/	/	2.5	Pass
				5266.7	26000	5268.082	-28.08	1.556	-45.83	0.026	2.5	Pass
						24716.609	-28.77	1.327	-38.65	0.136	2.5	Pass
						25608.141	-28.77	1.327	-39.49	0.112	2.5	Pass
						25734.614	-28.64	1.368	-38.96	0.127	2.5	Pass
802.11n (HT20)	SISO	5180	1	30	5142	2449	-29.42	1.143	/	/	2.5	Pass
				5266.7	26000	24657.173	-32.78	0.527	/	/	2.5	Pass
		5200	1	30	5142	2594	-42.01	0.063	/	/	2.5	Pass
				5266.7	26000	25206.606	-32.64	0.545	/	/	2.5	Pass
		5240	1	30	5142	2460.5	-29.86	1.033	/	/	2.5	Pass
				5266.7	26000	25818.238	-32.44	0.570	/	/	2.5	Pass
802.11n (HT40)	SISO	5190	1	30	5141.6	2468.548	-33.80	0.417	/	/	2.5	Pass
				5278.4	26000	25757.557	-31.84	0.655	/	/	2.5	Pass
		5230	1	30	5141.6	2460.048	-28.39	1.449	-32.93	0.509	2.5	Pass
				5278.4	26000	25345.197	-32.41	0.574	/	/	2.5	Pass

8.2 Test Graph

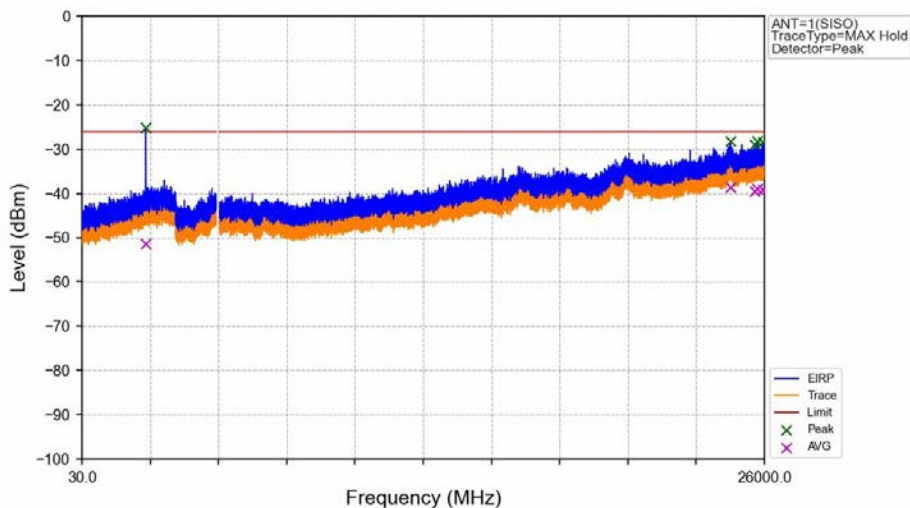
8.2.1 TxSe_NTNV





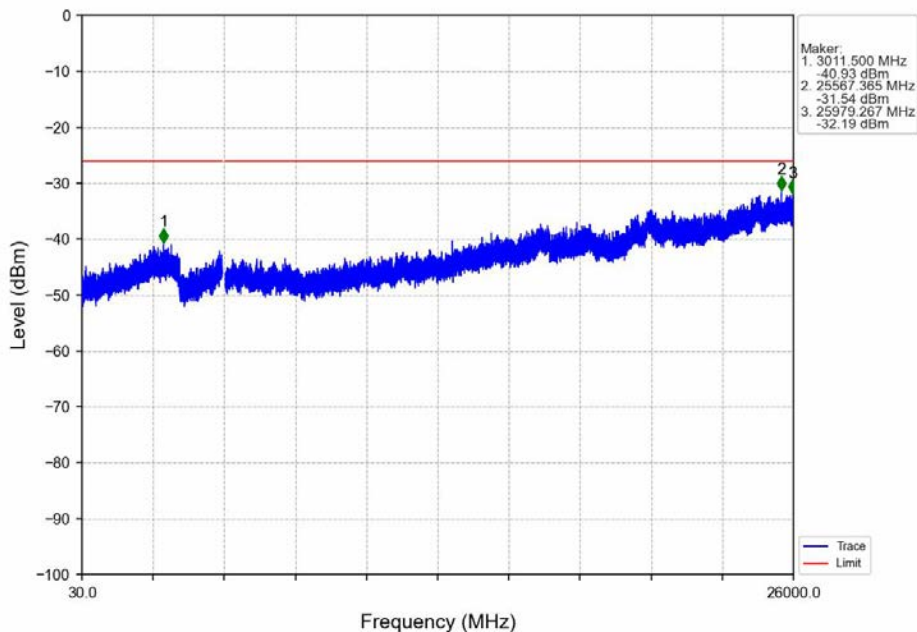


802.11a_LCH_5180MHz_Ant1_NTNV

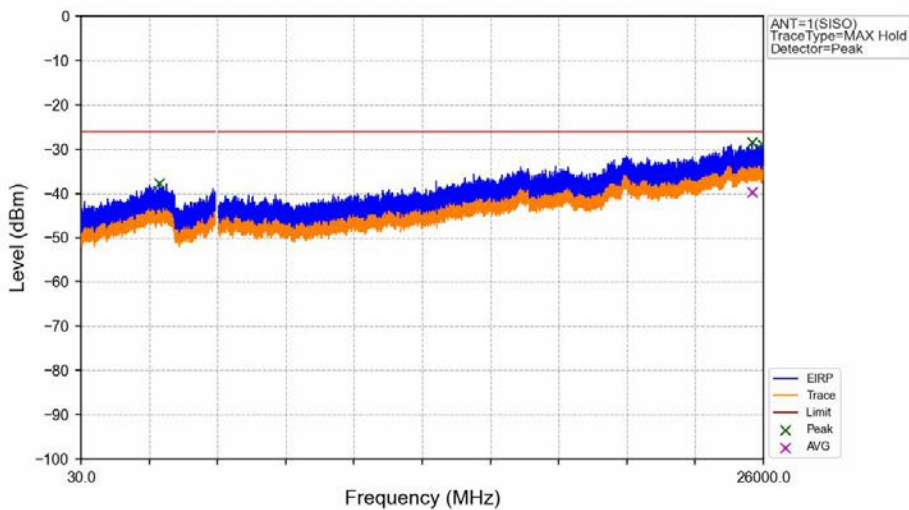


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	2461.500	-28.33	-54.48	3.17	-25.16	-51.31	-26.02	Pass
5266.7	26000	1	1	24721.447	-31.32	-41.85	3.17	-28.15	-38.68	-26.02	Pass
5266.7	26000	1	1	25622.654	-32.16	-42.65	3.17	-28.99	-39.48	-26.02	Pass
5266.7	26000	1	1	25735.996	-31.47	-42.18	3.17	-28.30	-39.01	-26.02	Pass
5266.7	26000	1	1	25927.433	-31.50	-42.41	3.17	-28.33	-39.24	-26.02	Pass

802.11a_MCH_5200MHz_Ant1_NTNV

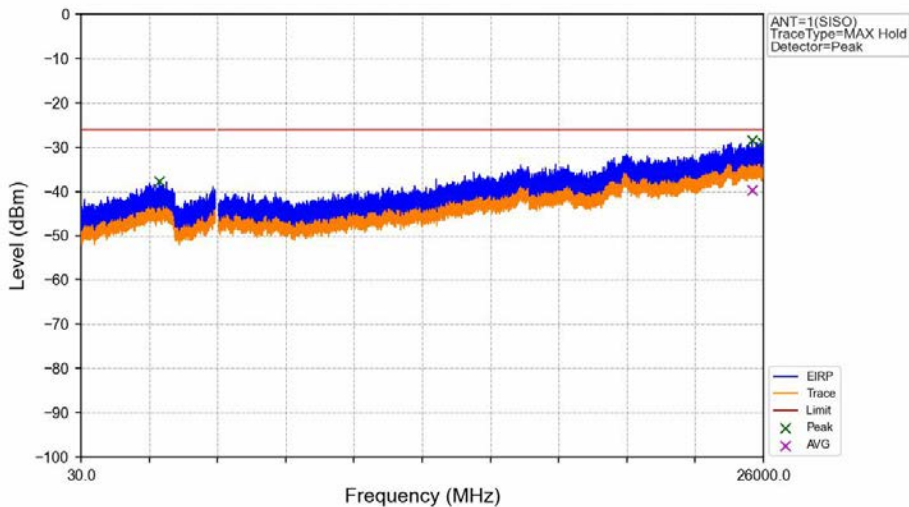


802.11a_MCH_5200MHz_Ant1_NTNV



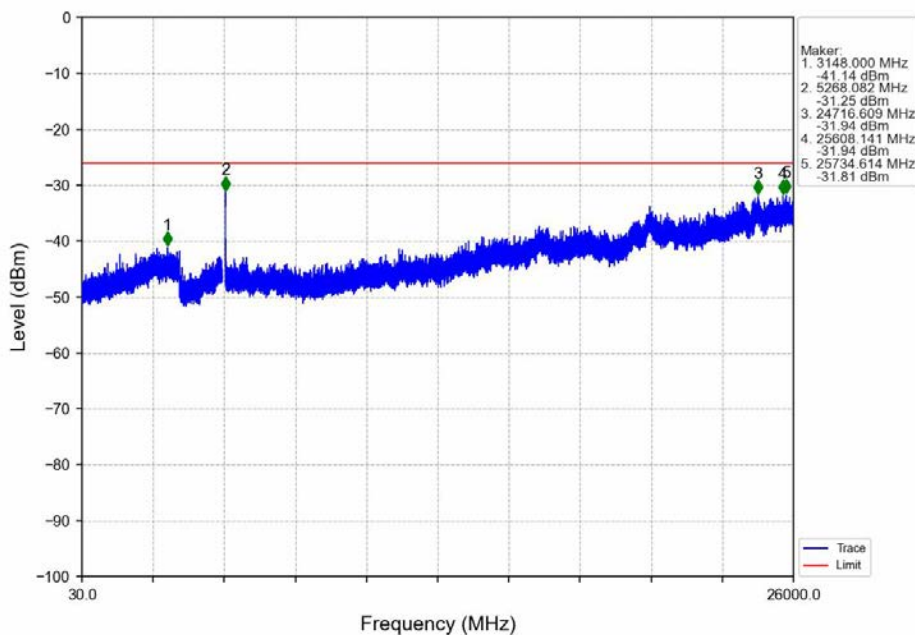
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	A/V Power (dBm)	Gain (dBi)	PK EIRP (dBm)	A/V EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	3011.500	-40.93	/	3.17	-37.76	/	-26.02	Pass
5266.7	26000	1	1	25567.365	-31.54	-42.80	3.17	-28.37	-39.63	-26.02	Pass
5266.7	26000	1	1	25979.267	-32.19	/	3.17	-29.02	/	-26.02	Pass

802.11a_MCH_5200MHz_Ant1_NTNV

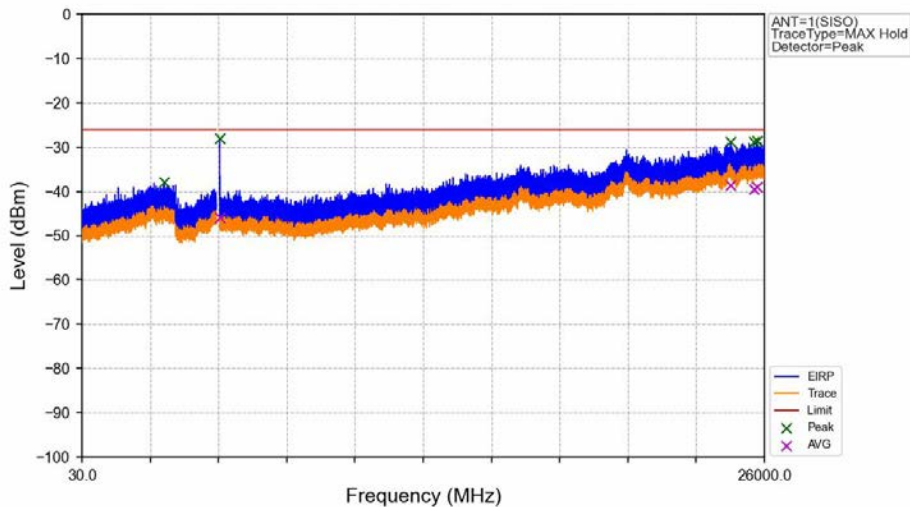


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	A/V Power (dBm)	Gain (dBi)	PK EIRP (dBm)	A/V EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	3011.500	-40.93	/	3.17	-37.76	/	-26.02	Pass
5266.7	26000	1	1	25567.365	-31.54	-42.80	3.17	-28.37	-39.63	-26.02	Pass
5266.7	26000	1	1	25979.267	-32.19	/	3.17	-29.02	/	-26.02	Pass

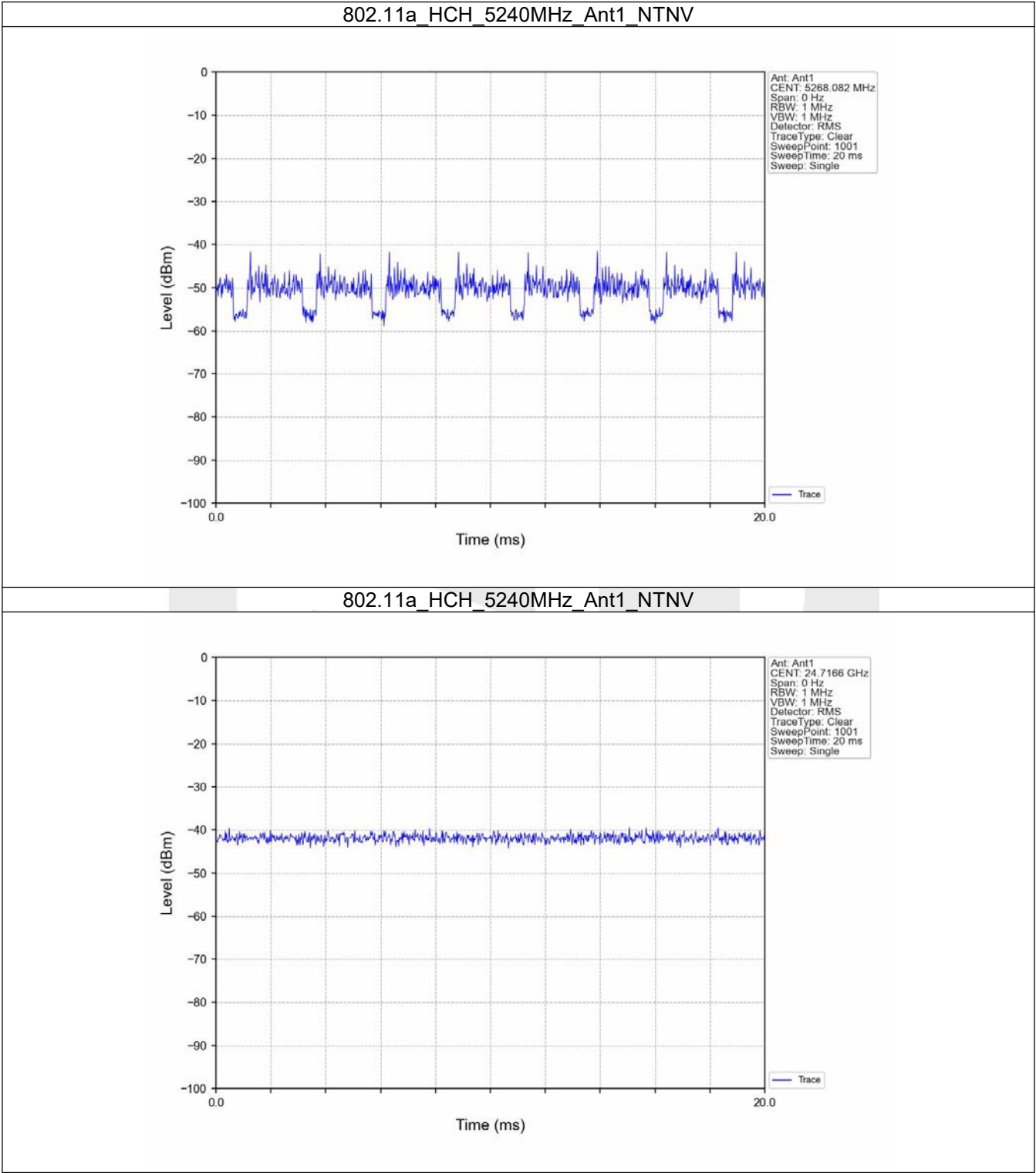
802.11a_HCH_5240MHz_Ant1_NTNV



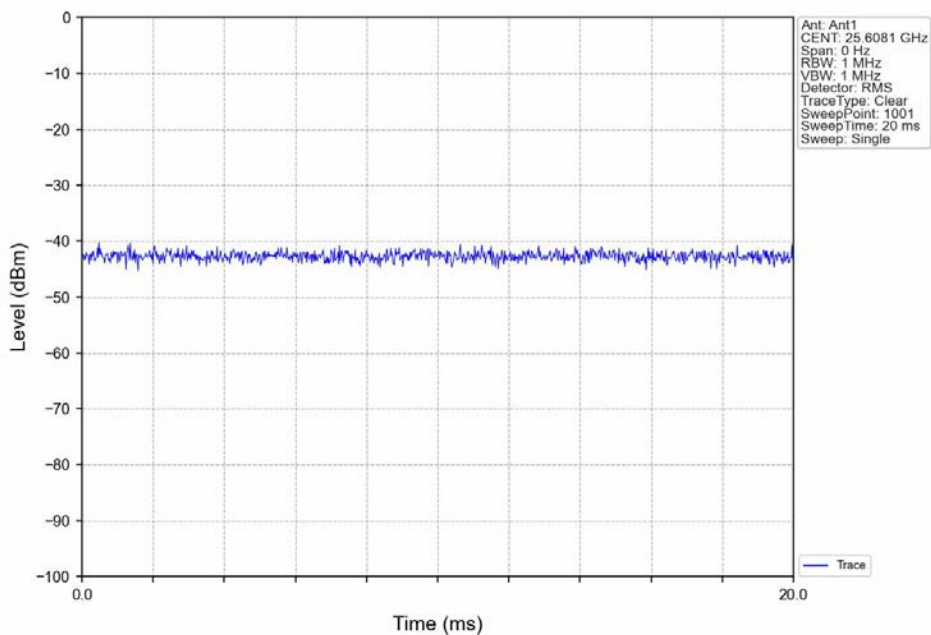
802.11a_HCH_5240MHz_Ant1_NTNV



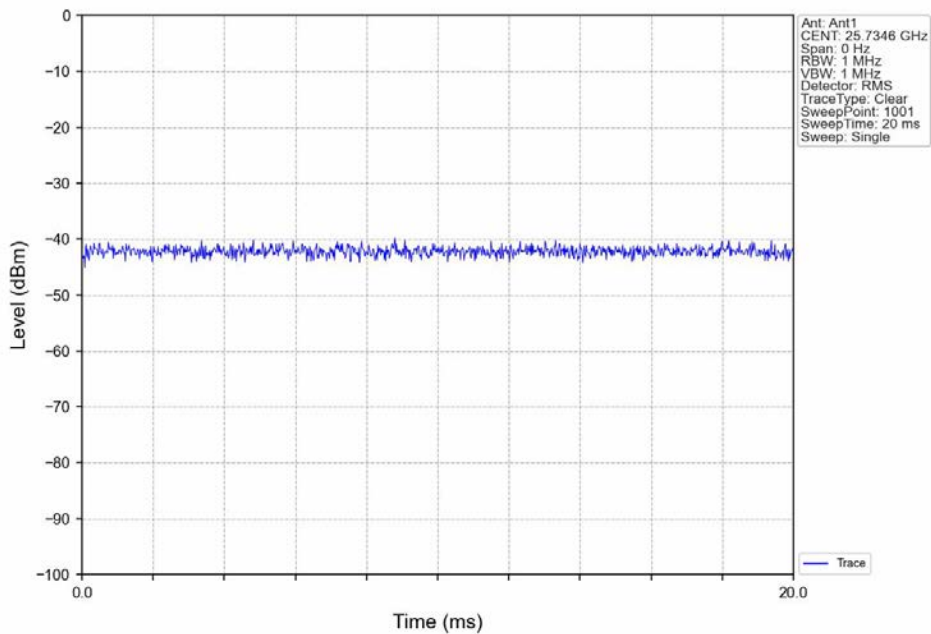
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	3148.000	-41.14	/	3.17	-37.97	/	-26.02	Pass
5266.7	26000	1	1	5268.082	-31.25	-49.00	3.17	-28.08	-45.83	-26.02	Pass
5266.7	26000	1	1	24716.609	-31.94	-41.82	3.17	-28.77	-38.65	-26.02	Pass
5266.7	26000	1	1	25608.141	-31.94	-42.66	3.17	-28.77	-39.49	-26.02	Pass
5266.7	26000	1	1	25734.614	-31.81	-42.13	3.17	-28.64	-38.96	-26.02	Pass



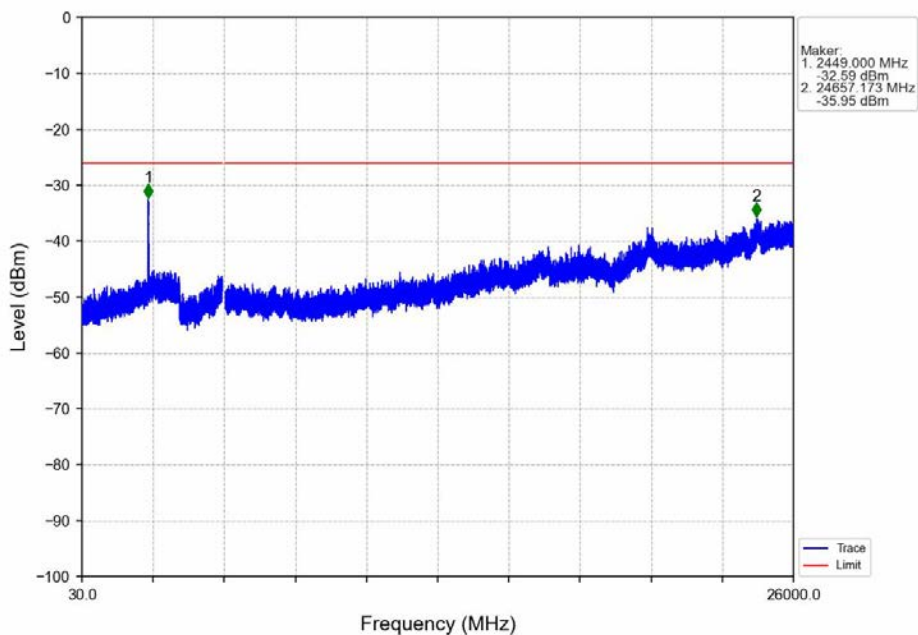
802.11a_HCH_5240MHz_Ant1_NTNV



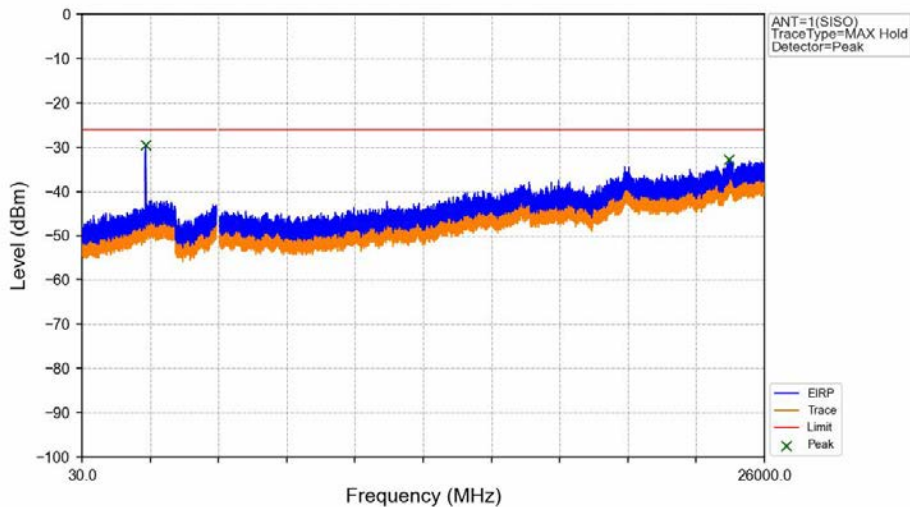
802.11a_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

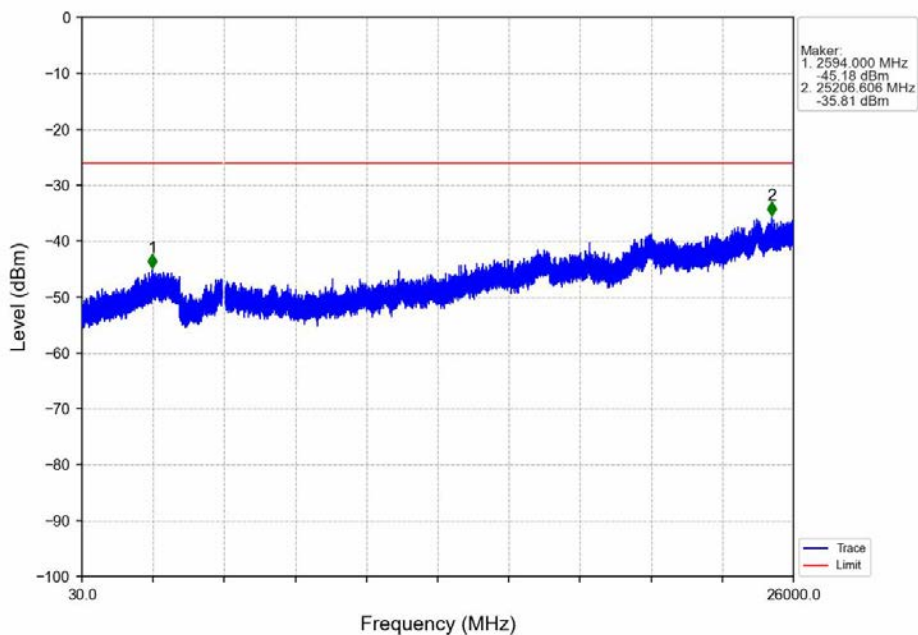


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

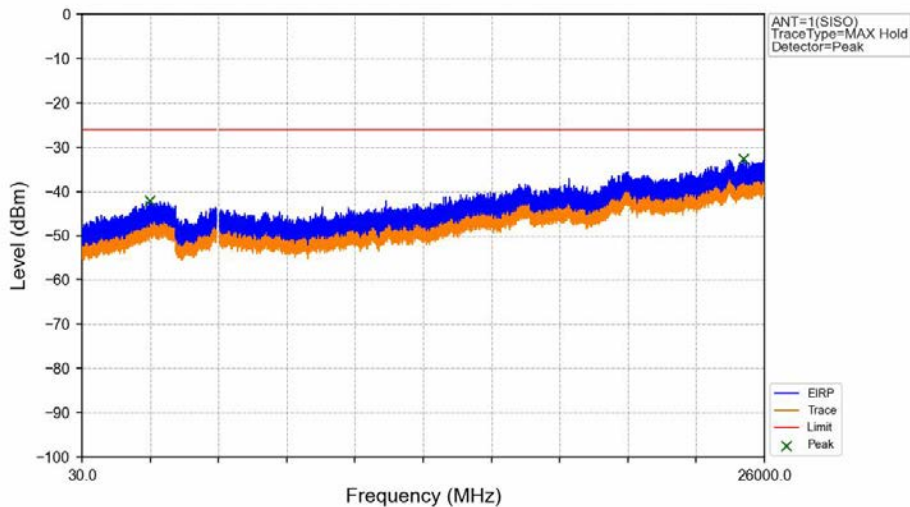


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dB)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	2449.000	-32.59	/	3.17	-29.42	/	-26.02	Pass
5266.7	26000	1	1	24657.173	-35.95	/	3.17	-32.78	/	-26.02	Pass

802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

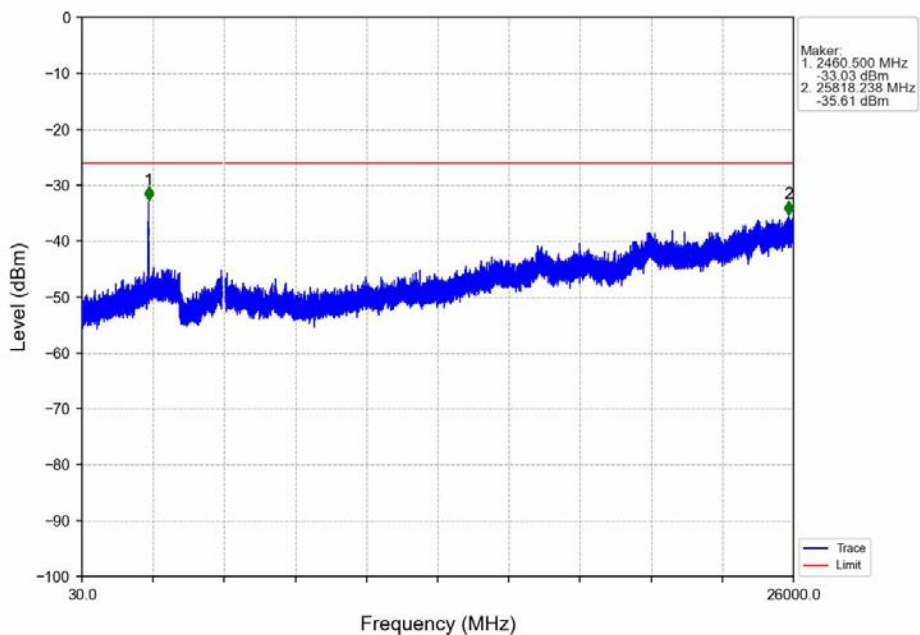


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

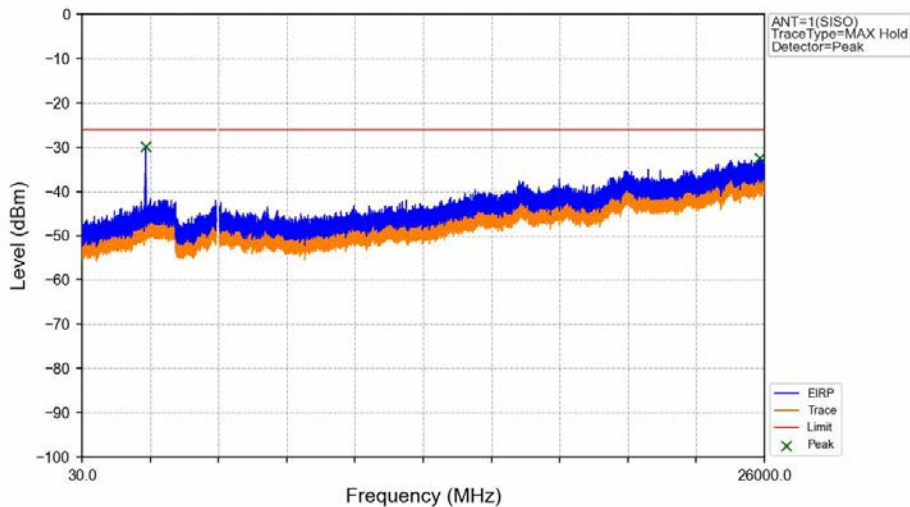


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dB)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	2594.000	-45.18	/	3.17	-42.01	/	-26.02	Pass
5266.7	26000	1	1	25206.606	-35.81	/	3.17	-32.64	/	-26.02	Pass

802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

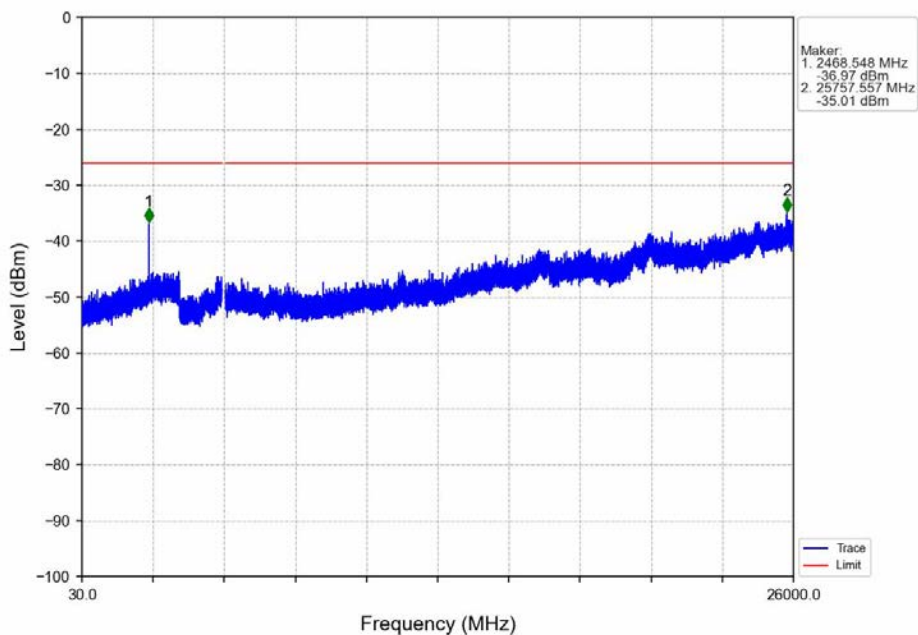


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

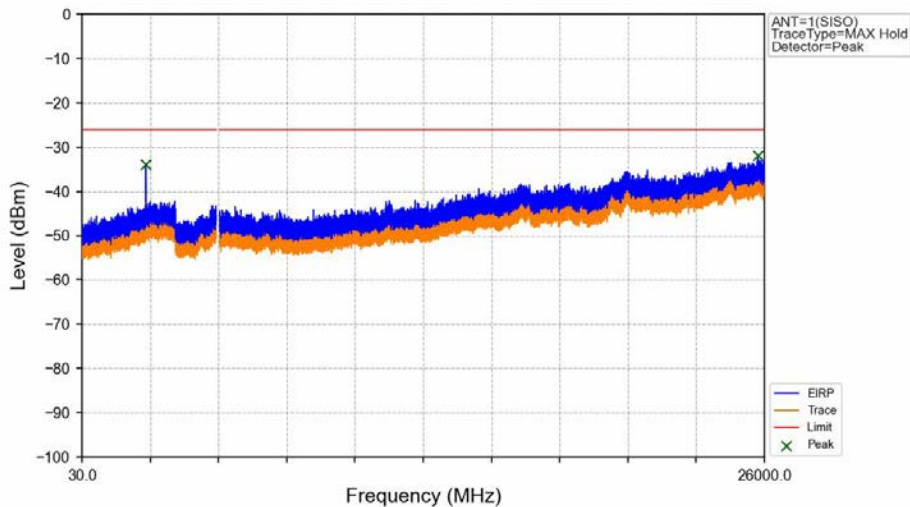


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dB)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	2460.500	-33.03	/	3.17	-29.86	/	-26.02	Pass
5266.7	26000	1	1	25818.238	-35.61	/	3.17	-32.44	/	-26.02	Pass

802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

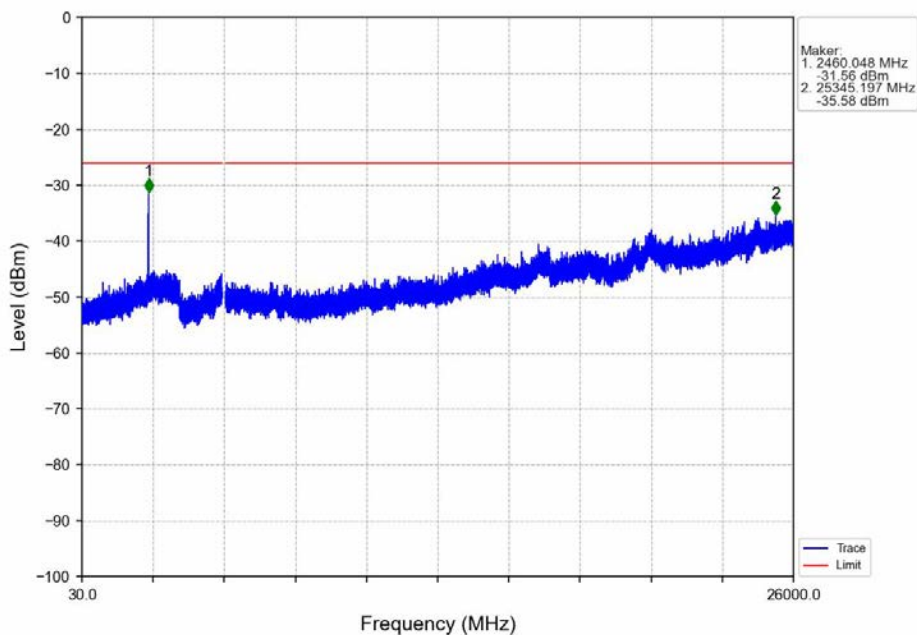


802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

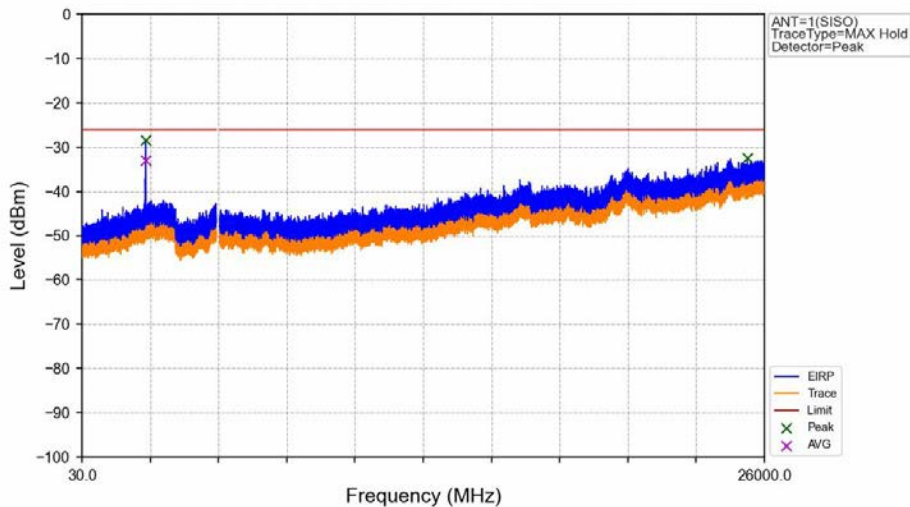


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dB)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5141.6	1	1	2468.548	-36.97	/	3.17	-33.80	/	-26.02	Pass
5278.4	26000	1	1	25757.557	-35.01	/	3.17	-31.84	/	-26.02	Pass

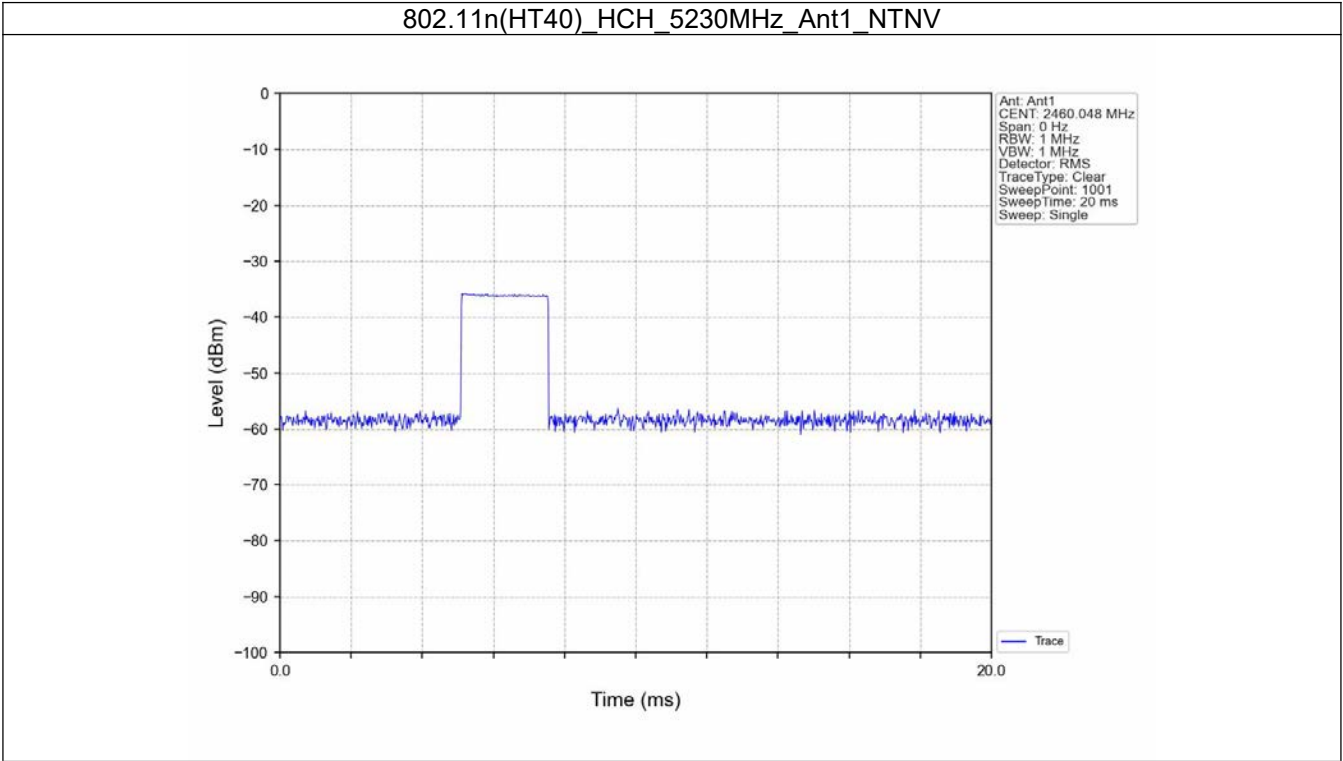
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dB)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5141.6	1	1	2460.048	-31.56	-36.10	3.17	-28.39	-32.93	-26.02	Pass
5278.4	26000	1	1	25345.197	-35.58	/	3.17	-32.41	/	-26.02	Pass



9. Secondary Radiated Emission

9.1 Test Result

9.1.1 RxSe_NTNV

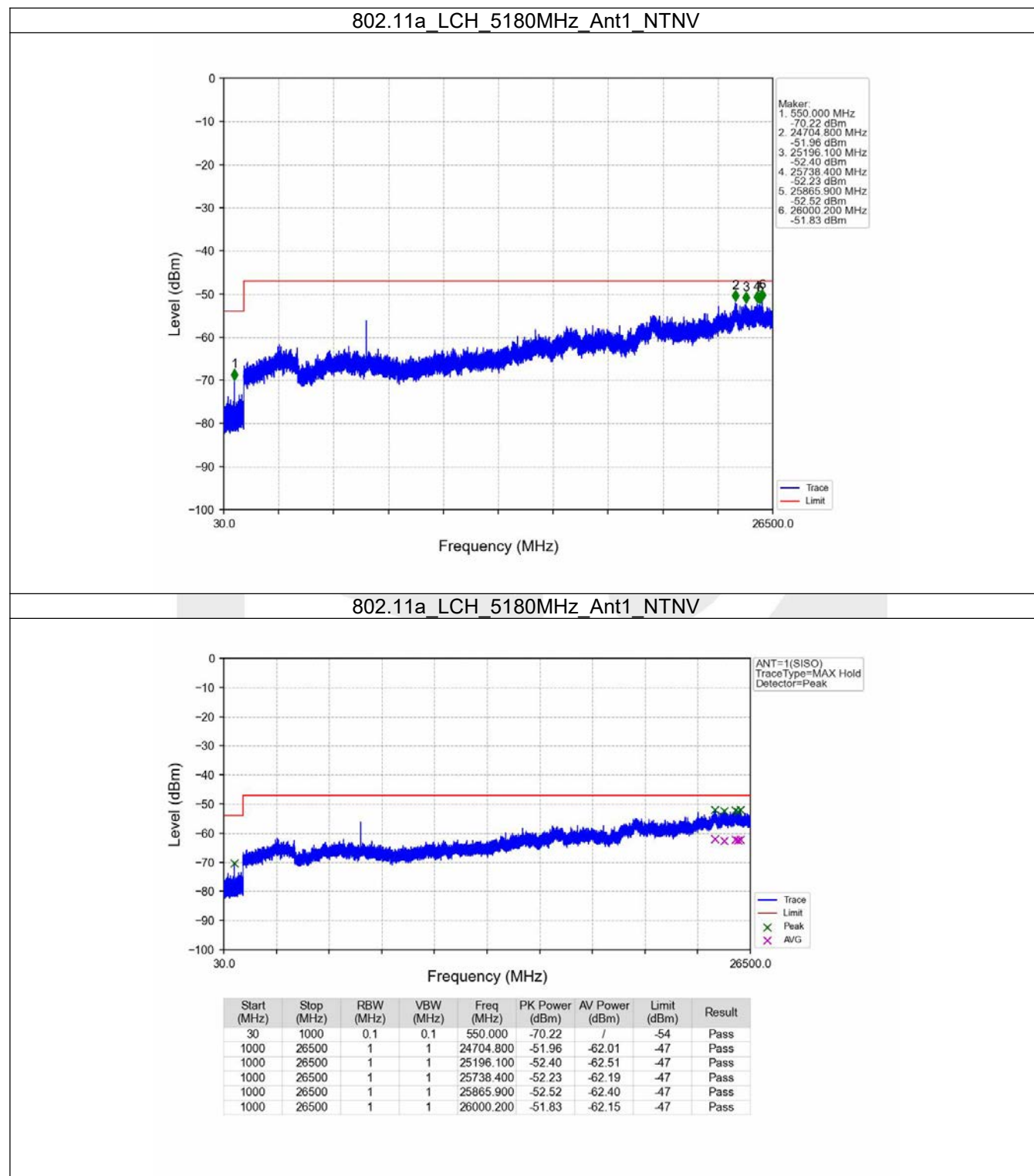
NTNV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (nW)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm)	PK Power (nW)	AV Power (dBm)	AV Power (nW)		
802.11a	SISO	5180	1	30	1000	550	-70.22	0.095	/	/	4	Pass
				1000	26500	24704.8	-51.96	6.368	-62.01	0.630	20	Pass
						25196.1	-52.40	5.754	-62.51	0.561	20	Pass
						25738.4	-52.23	5.984	-62.19	0.604	20	Pass
						25865.9	-52.52	5.598	-62.40	0.575	20	Pass
						26000.2	-51.83	6.561	-62.15	0.610	20	Pass
		5200	1	30	1000	550	-70.27	0.094	/	/	4	Pass
				1000	26500	24740.5	-52.03	6.266	-61.87	0.650	20	Pass
						25378.85	-51.42	7.211	-62.91	0.512	20	Pass
						25684.85	-51.95	6.383	-62.43	0.571	20	Pass
						25791.95	-52.12	6.138	-62.10	0.617	20	Pass
						26046.1	-52.20	6.026	-62.97	0.505	20	Pass
		5240	1	30	1000	550	-69.63	0.109	/	/	4	Pass
				1000	26500	24762.6	-51.83	6.561	-61.98	0.634	20	Pass
						25112.8	-52.61	5.483	-62.70	0.537	20	Pass
						25442.6	-52.49	5.636	-62.75	0.531	20	Pass
						25803.85	-52.44	5.702	-62.08	0.619	20	Pass
						26211	-52.60	5.495	-62.84	0.520	20	Pass
802.11n (HT20)	SISO	5180	1	30	1000	550	-70.48	0.090	/	/	4	Pass
				1000	26500	24617.25	-52.14	6.109	-62.74	0.532	20	Pass
						24743.9	-52.33	5.848	-61.98	0.634	20	Pass
						25779.2	-52.25	5.957	-62.13	0.612	20	Pass
						26006.15	-51.95	6.383	-62.22	0.600	20	Pass
						26194	-52.23	5.984	-63.10	0.490	20	Pass
		5200	1	30	1000	550	-70.21	0.095	/	/	4	Pass
				1000	26500	24734.55	-52.39	5.768	-58.89	1.291	20	Pass
						25275.15	-52.57	5.534	-62.49	0.564	20	Pass
						25534.4	-51.79	6.622	-62.85	0.519	20	Pass
						25777.5	-52.31	5.875	-62.16	0.608	20	Pass
						26166.8	-51.97	6.353	-63.14	0.485	20	Pass
		5240	1	30	1000	550	-70.30	0.093	/	/	4	Pass
				1000	26500	5811	-51.52	7.047	-75.48	0.028	20	Pass
						24657.2	-52.52	5.598	-62.34	0.583	20	Pass
						24728.6	-51.02	7.907	-53.62	4.345	20	Pass
						25089.85	-52.58	5.521	-62.92	0.511	20	Pass
						25752.85	-52.53	5.585	-62.11	0.615	20	Pass
802.11n (HT40)	SISO	5190	1	30	1000	550	-69.99	0.100	/	/	4	Pass
				1000	26500	24674.2	-52.17	6.067	-62.25	0.596	20	Pass
						25245.4	-52.31	5.875	-62.36	0.581	20	Pass
						25567.55	-52.75	5.309	-62.78	0.527	20	Pass

						25743.5	-51.34	7.345	-55.75	2.661	20	Pass
						25940.7	-51.25	7.499	-62.37	0.579	20	Pass
						550	-70.38	0.092	/	/	4	Pass
						24709.9	-52.64	5.445	-60.39	0.914	20	Pass
						25734.15	-52.12	6.138	-58.10	1.549	20	Pass
						25910.1	-52.30	5.888	-62.37	0.579	20	Pass
						26245	-52.45	5.689	-62.62	0.547	20	Pass
						26450.7	-52.66	5.420	-63.42	0.455	20	Pass

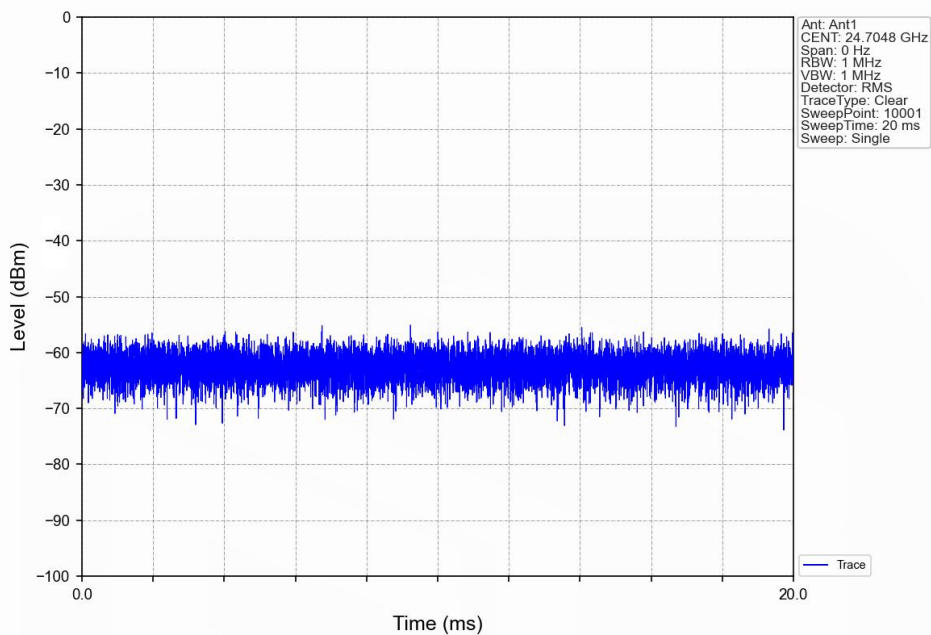


9.2 Test Graph

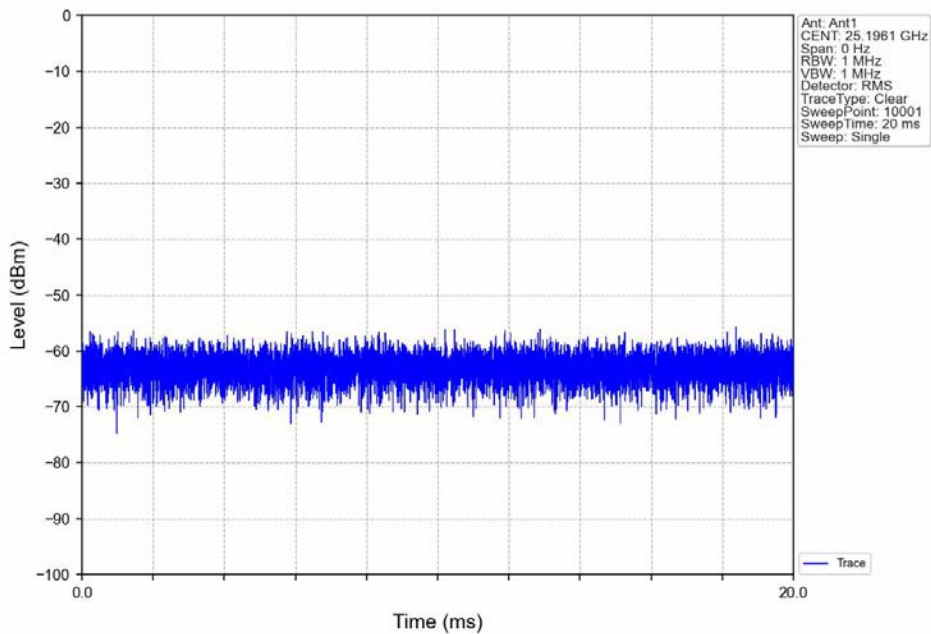
9.2.1 RxSe_NTNV



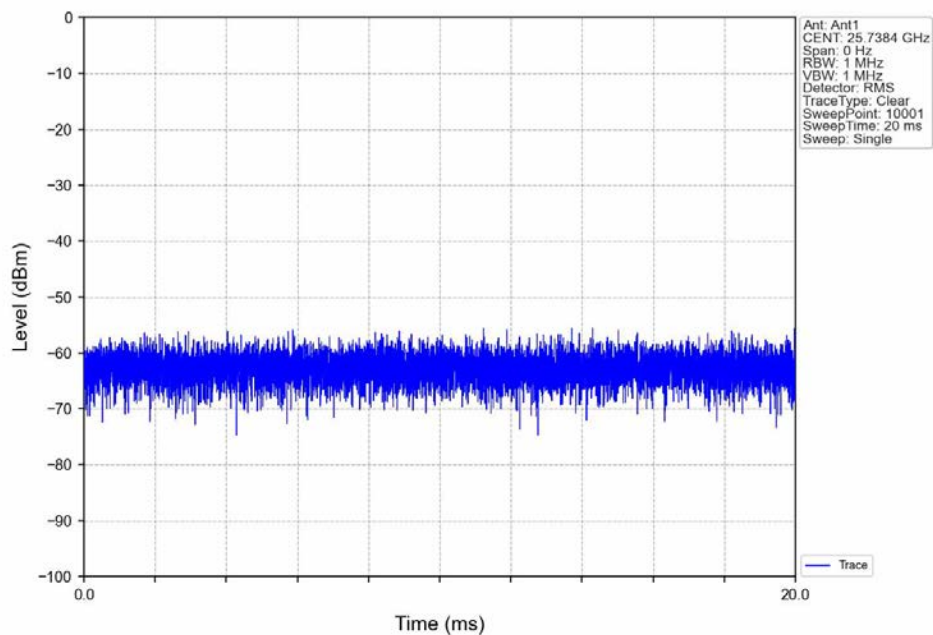
802.11a_LCH_5180MHz_Ant1_NTNV



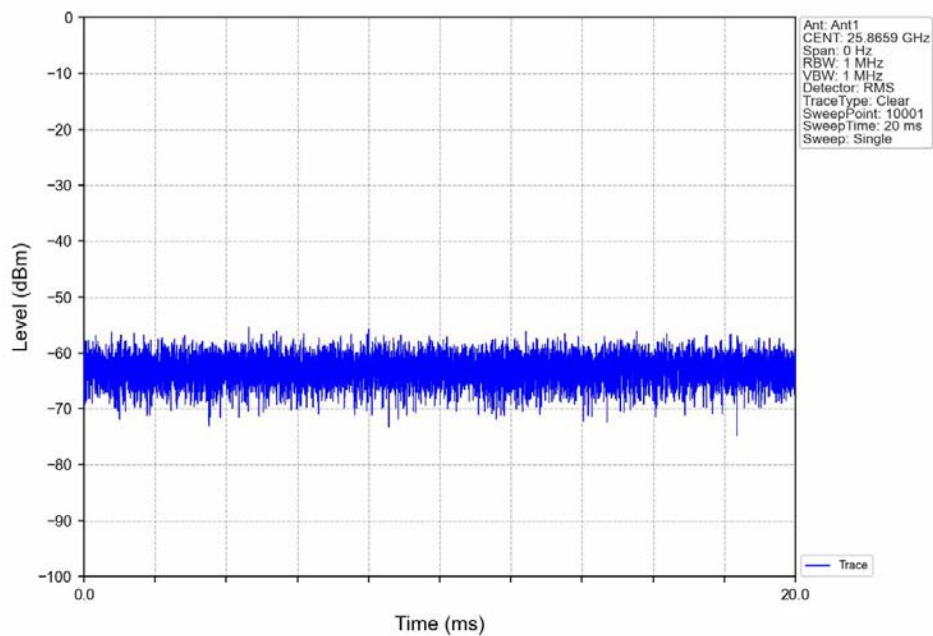
802.11a_LCH_5180MHz_Ant1_NTNV

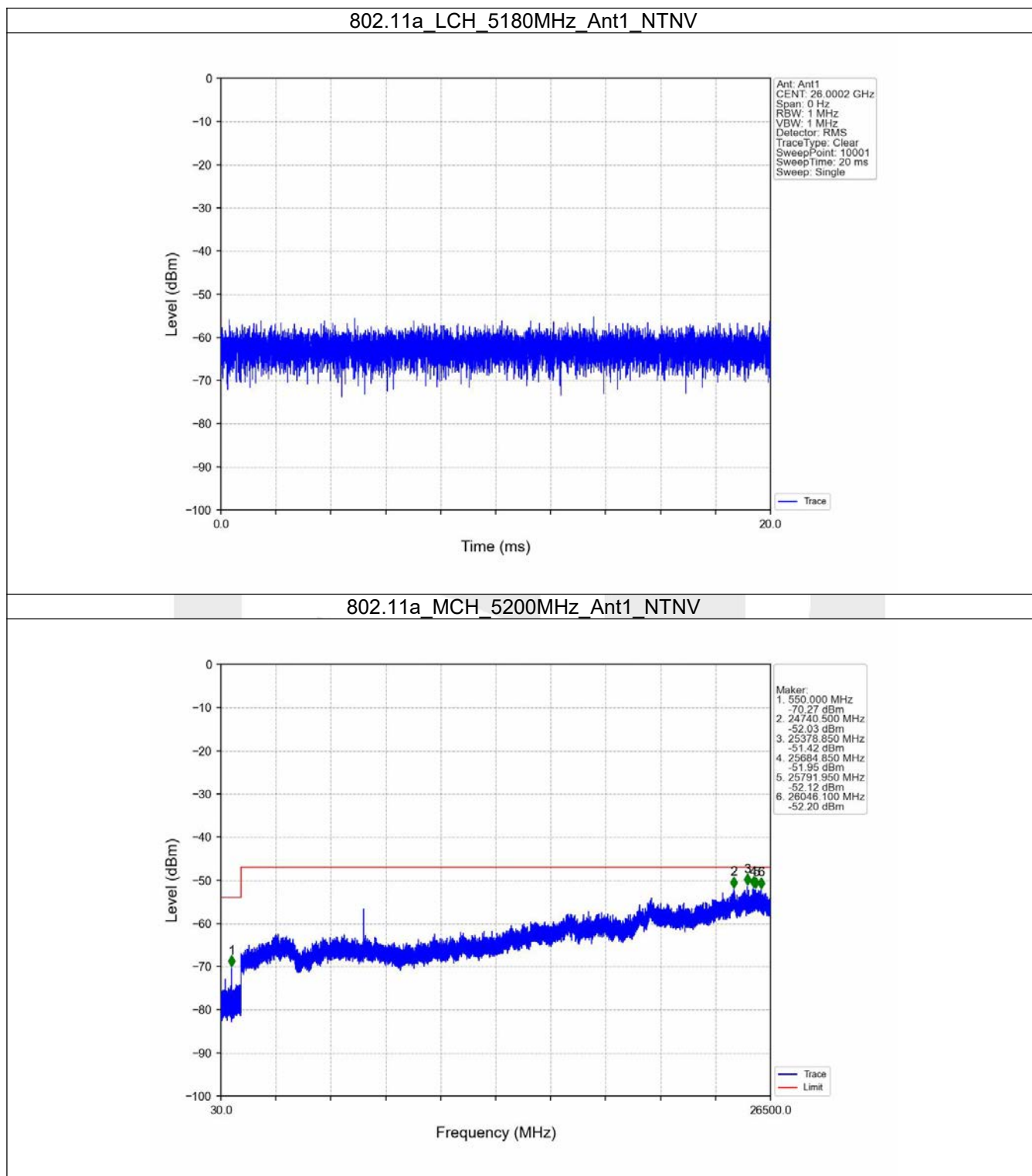


802.11a_LCH_5180MHz_Ant1_NTNV

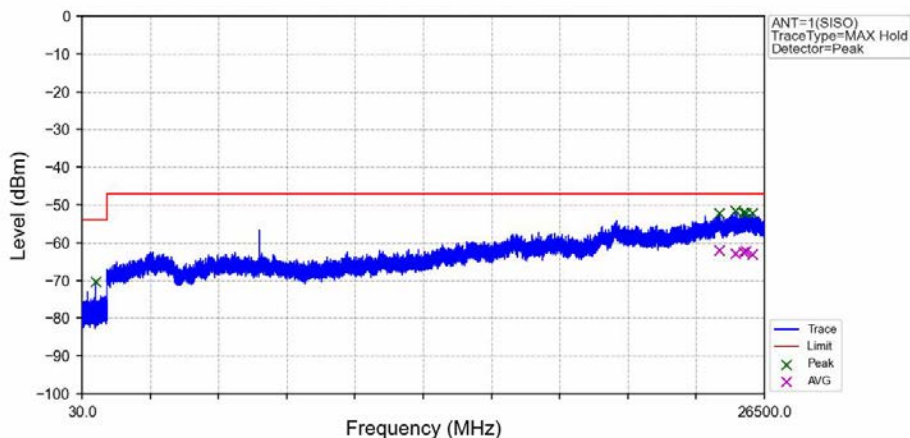


802.11a_LCH_5180MHz_Ant1_NTNV



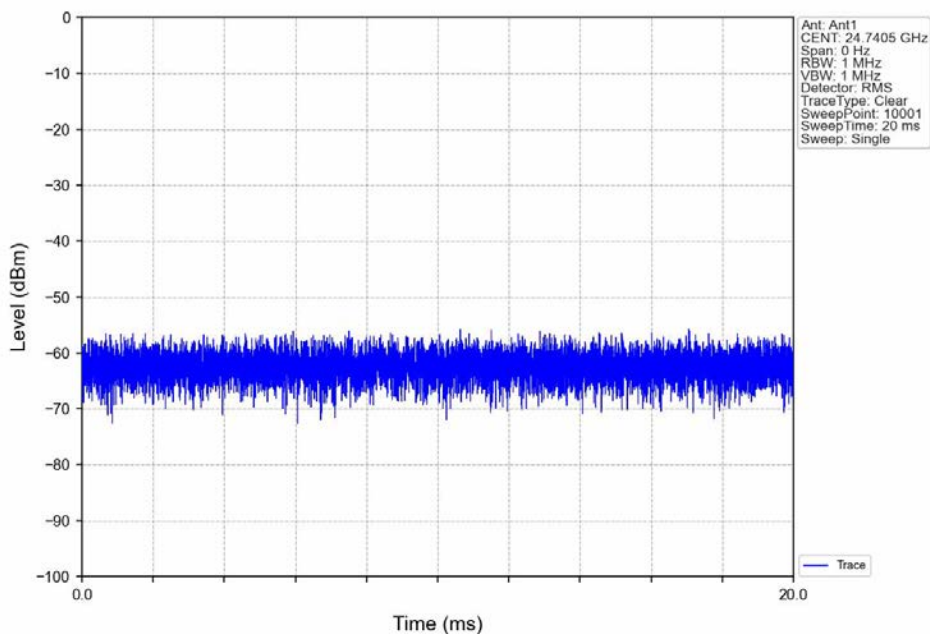


802.11a_MCH_5200MHz_Ant1_NTNV

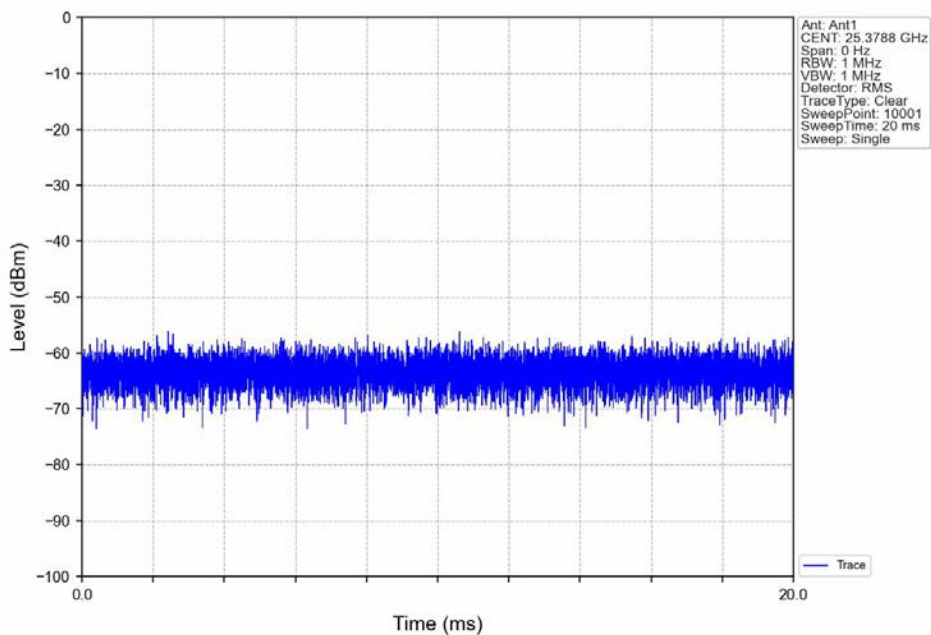


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	550.000	-70.27	/	-54	Pass
1000	26500	1	1	24740.500	-52.03	-61.87	-47	Pass
1000	26500	1	1	25378.850	-51.42	-62.91	-47	Pass
1000	26500	1	1	25684.850	-51.95	-62.43	-47	Pass
1000	26500	1	1	25791.950	-52.12	-62.10	-47	Pass
1000	26500	1	1	26046.100	-52.20	-62.97	-47	Pass

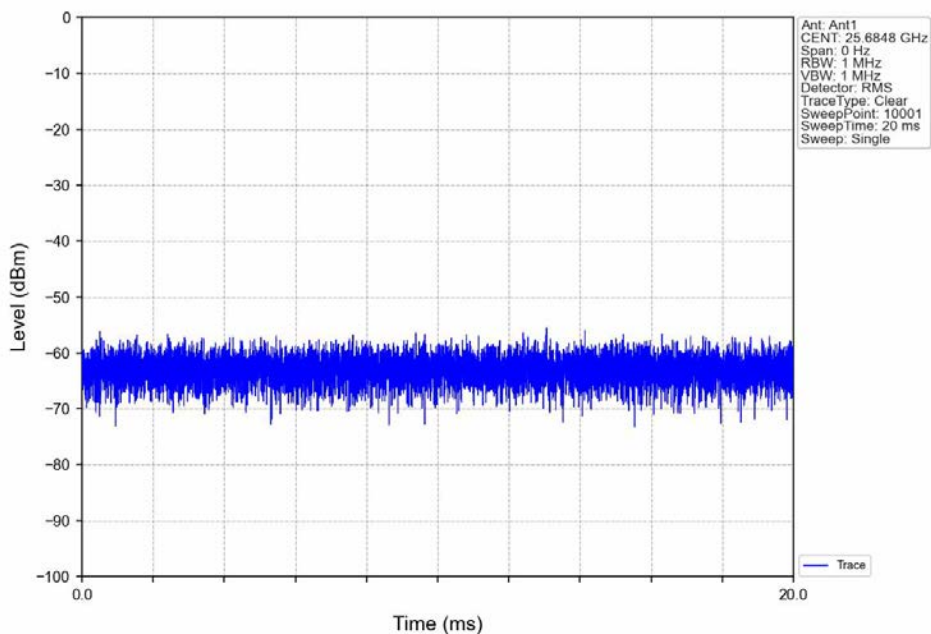
802.11a_MCH_5200MHz_Ant1_NTNV

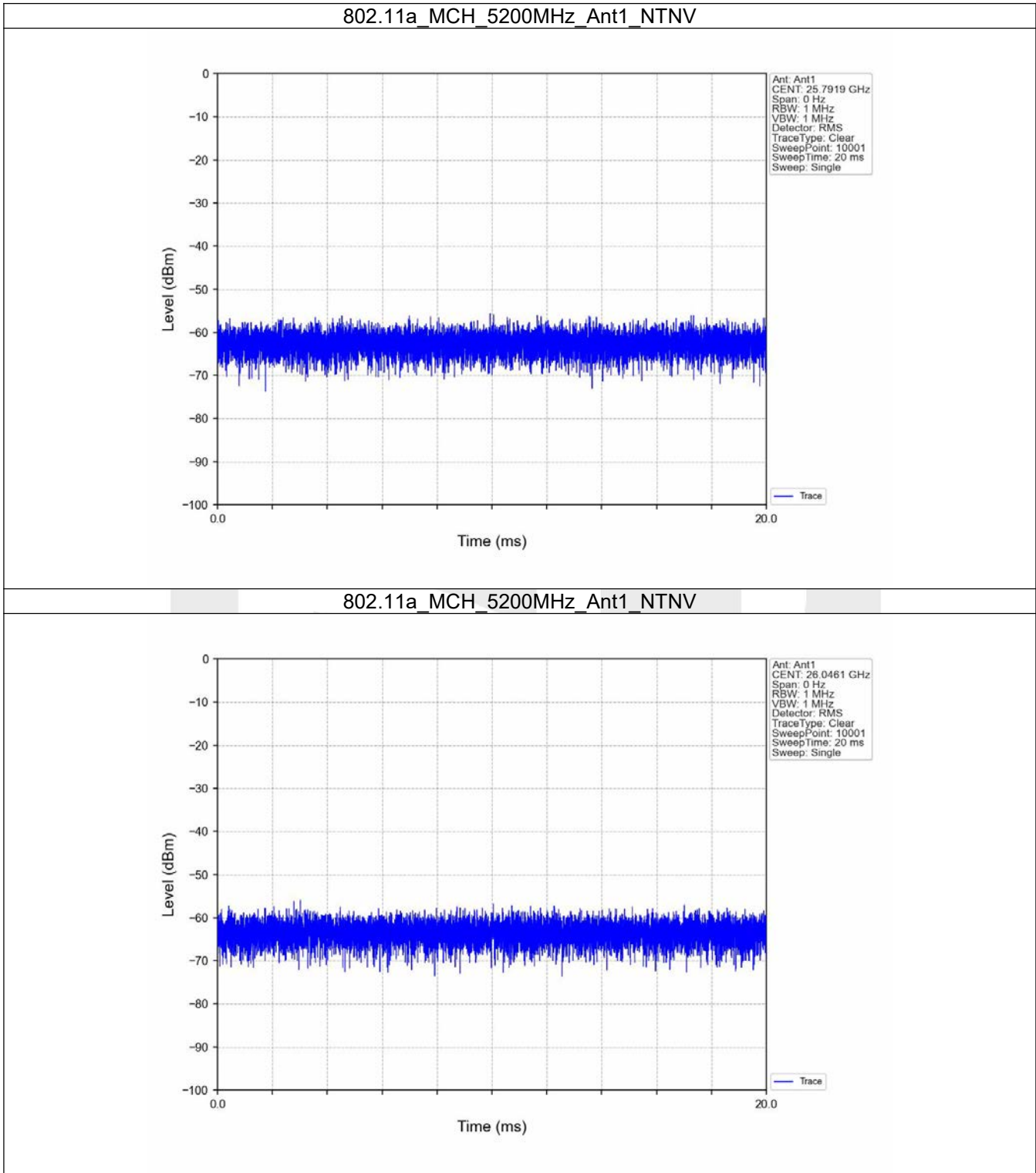


802.11a_MCH_5200MHz_Ant1_NTNV

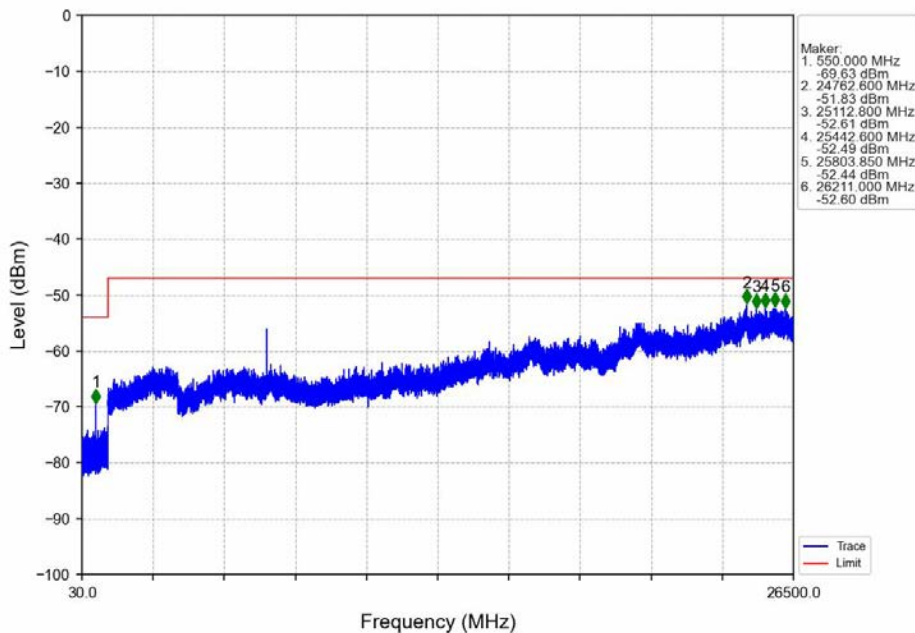


802.11a_MCH_5200MHz_Ant1_NTNV

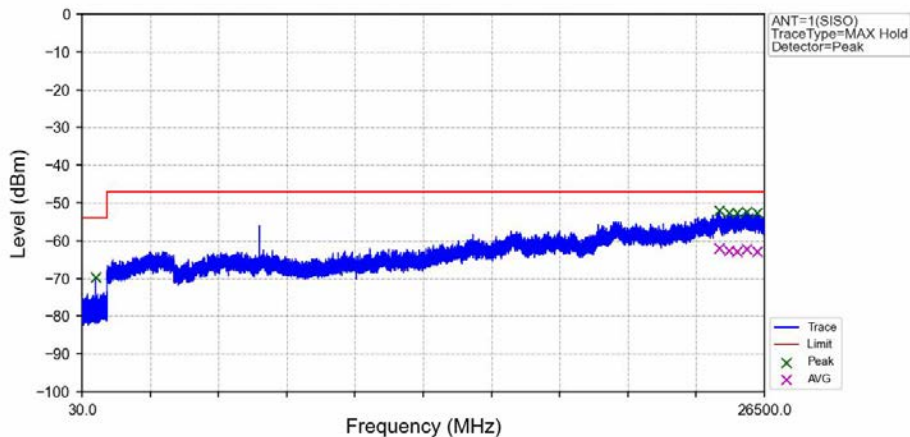




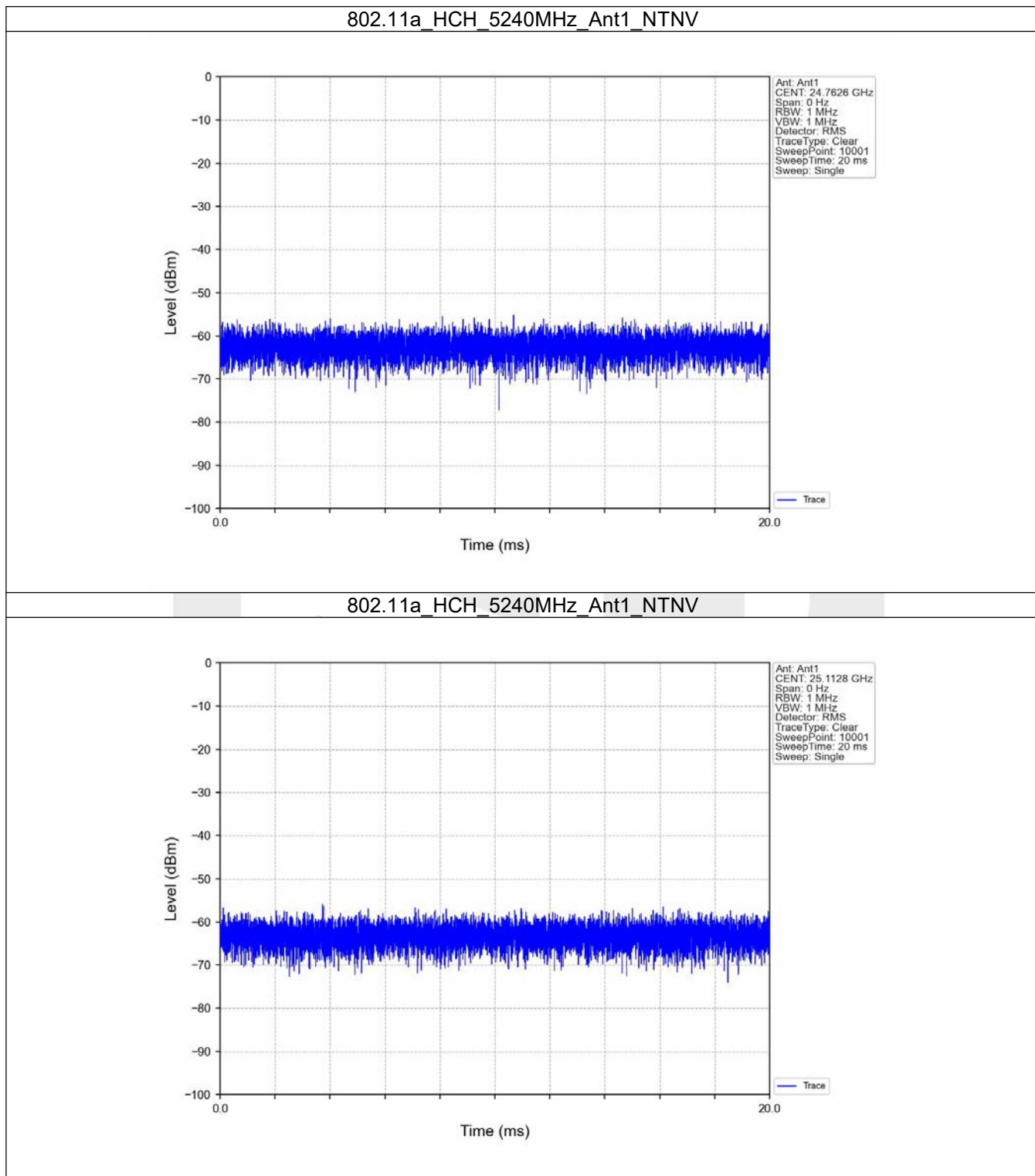
802.11a_HCH_5240MHz_Ant1_NTNV



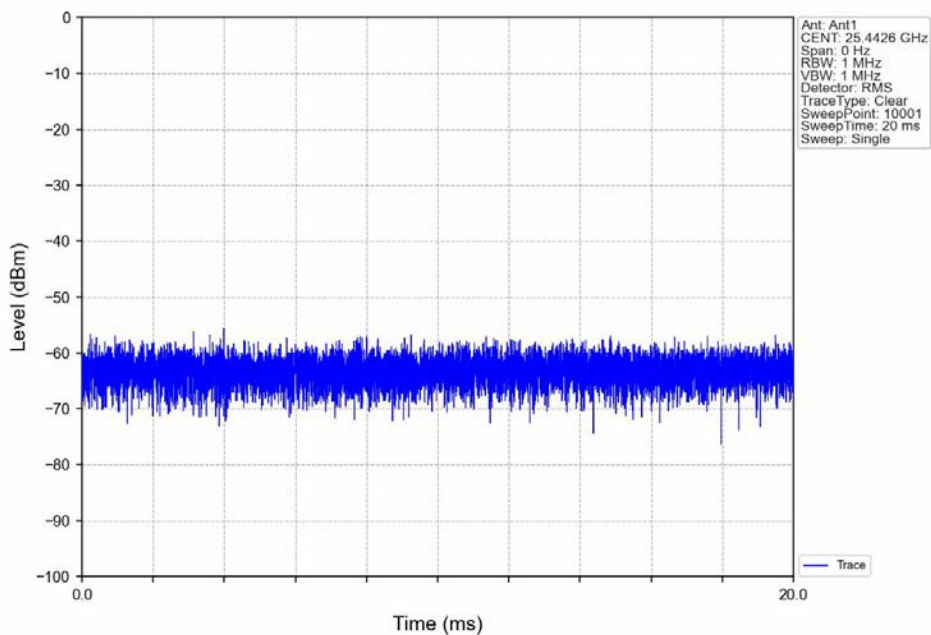
802.11a_HCH_5240MHz_Ant1_NTNV



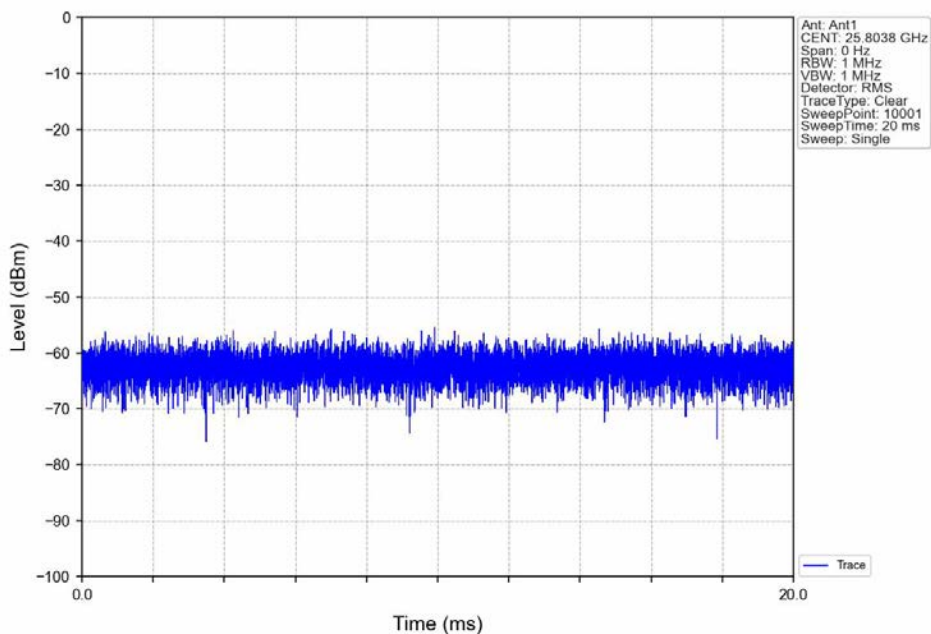
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	550.000	-69.63	/	-54	Pass
1000	26500	1	1	24762.600	-51.83	-61.98	-47	Pass
1000	26500	1	1	25112.800	-52.61	-62.70	-47	Pass
1000	26500	1	1	25442.600	-52.49	-62.75	-47	Pass
1000	26500	1	1	25803.850	-52.44	-62.08	-47	Pass
1000	26500	1	1	26211.000	-52.60	-62.84	-47	Pass

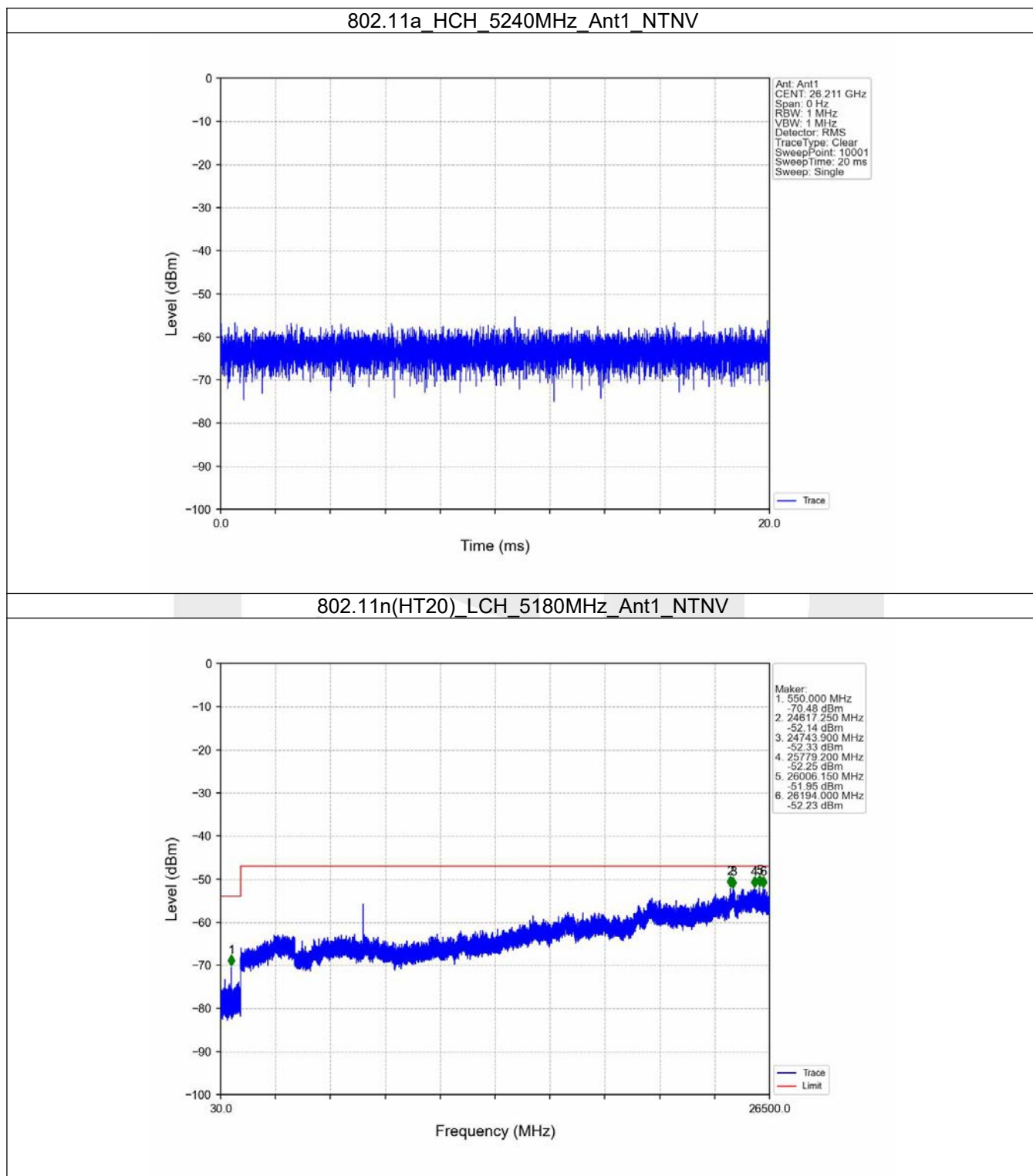


802.11a_HCH_5240MHz_Ant1_NTNV

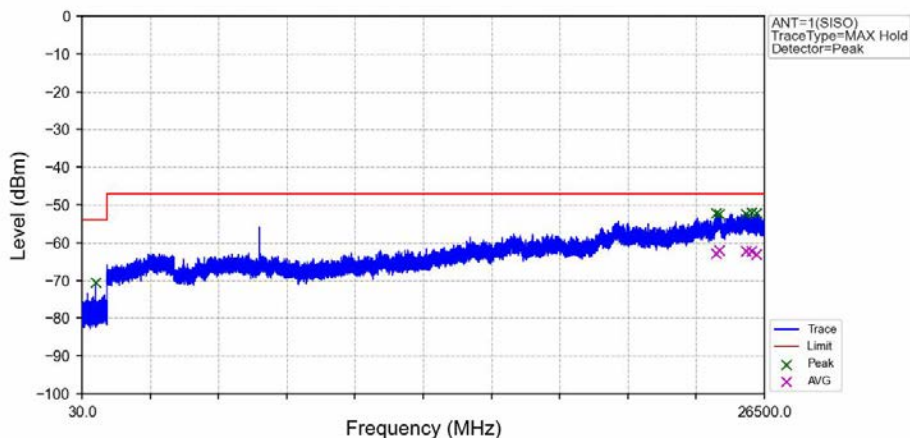


802.11a_HCH_5240MHz_Ant1_NTNV



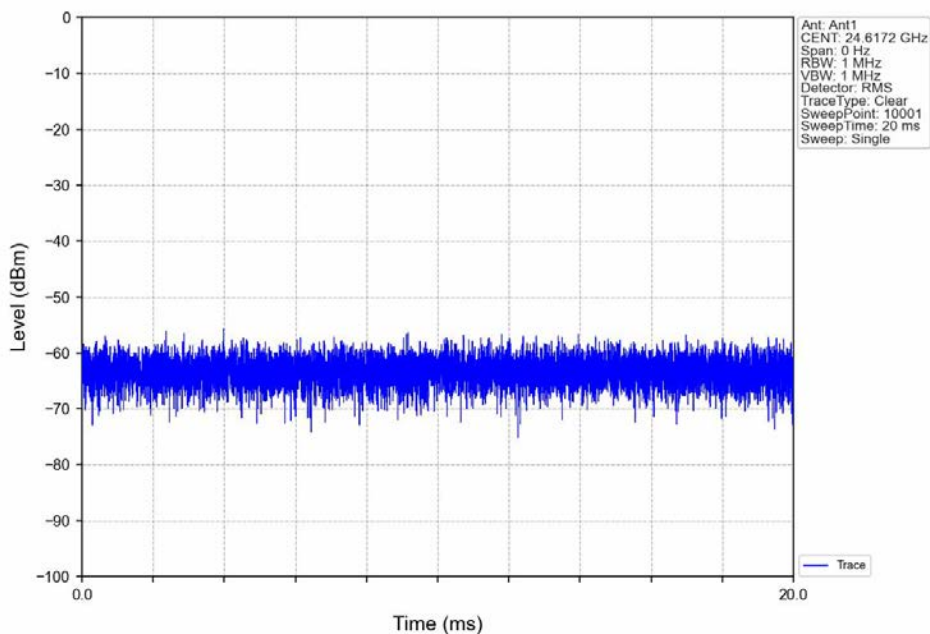


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

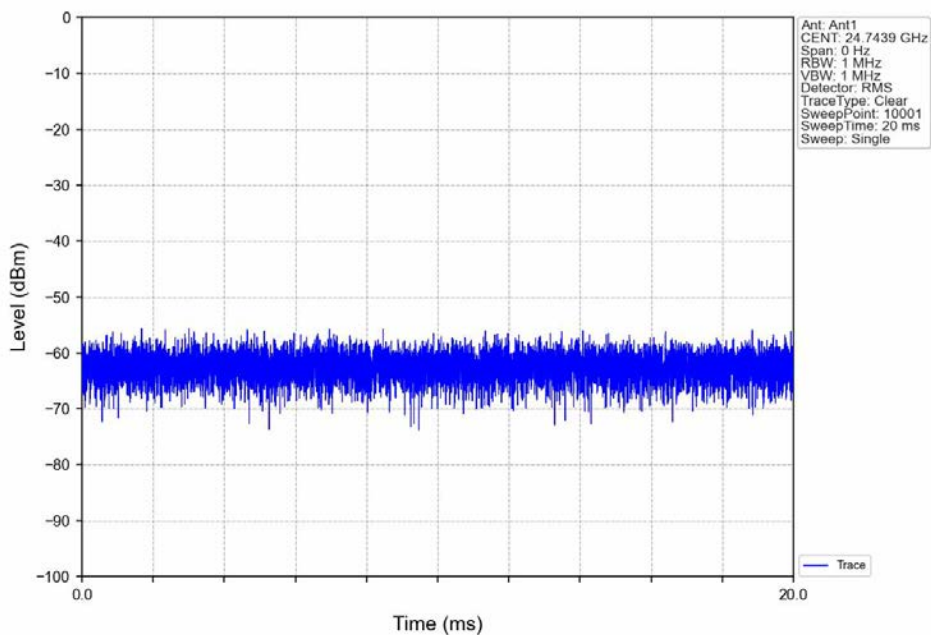


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	550.000	-70.48	/	-54	Pass
1000	26500	1	1	24617.250	-52.14	-62.74	-47	Pass
1000	26500	1	1	24743.900	-52.33	-61.98	-47	Pass
1000	26500	1	1	25779.200	-52.25	-62.13	-47	Pass
1000	26500	1	1	26006.150	-51.95	-62.22	-47	Pass
1000	26500	1	1	26194.000	-52.23	-63.10	-47	Pass

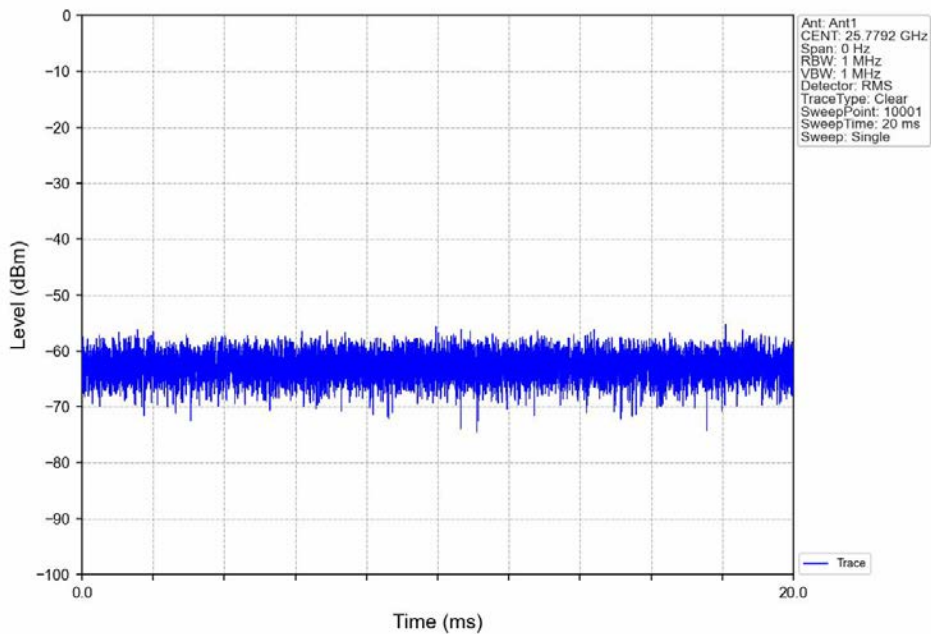
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



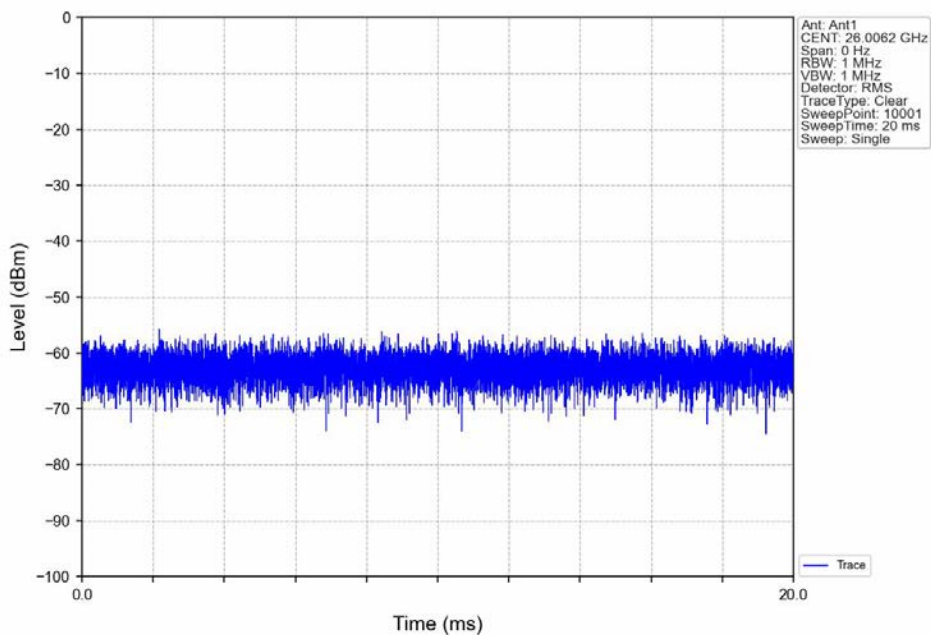
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



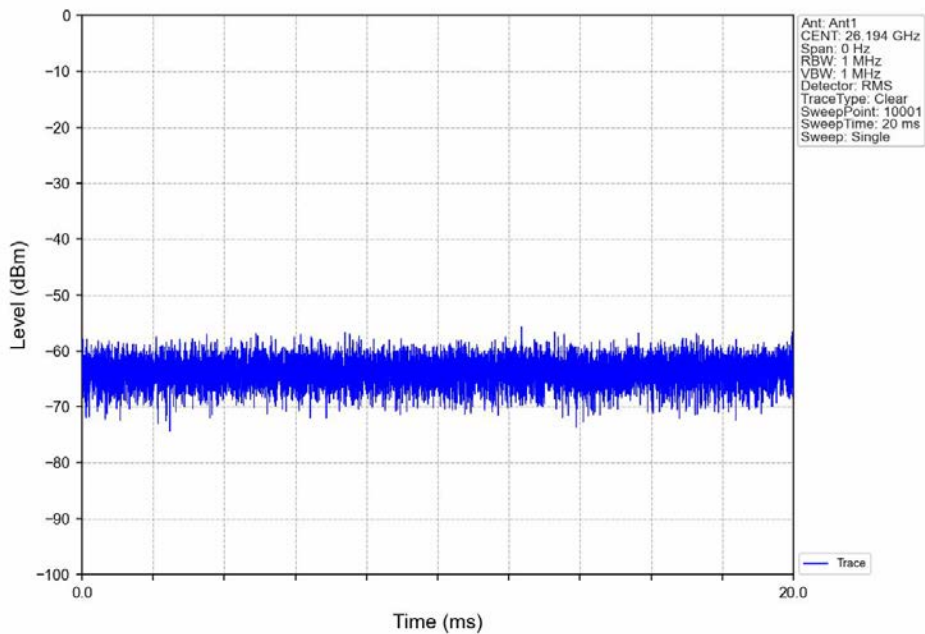
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



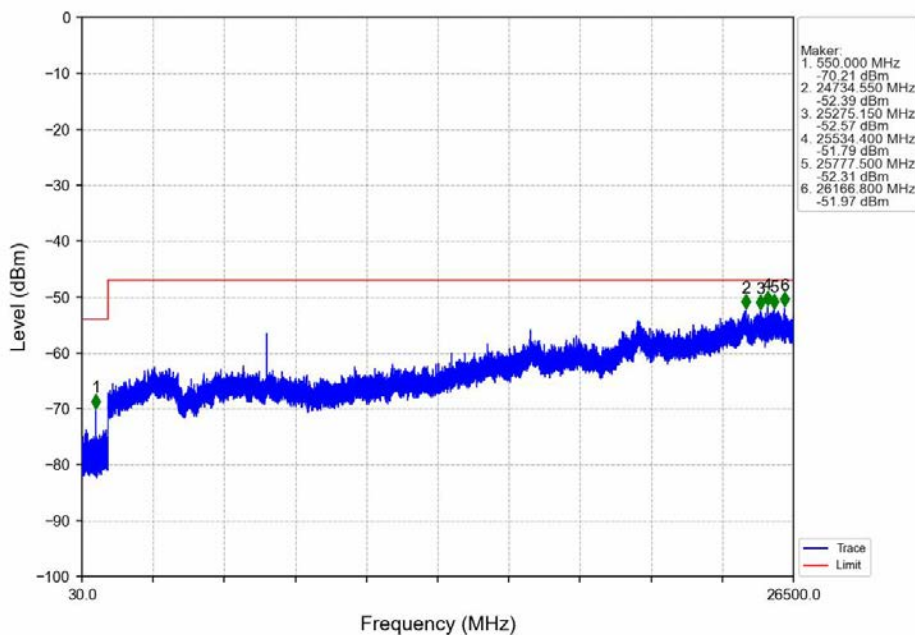
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



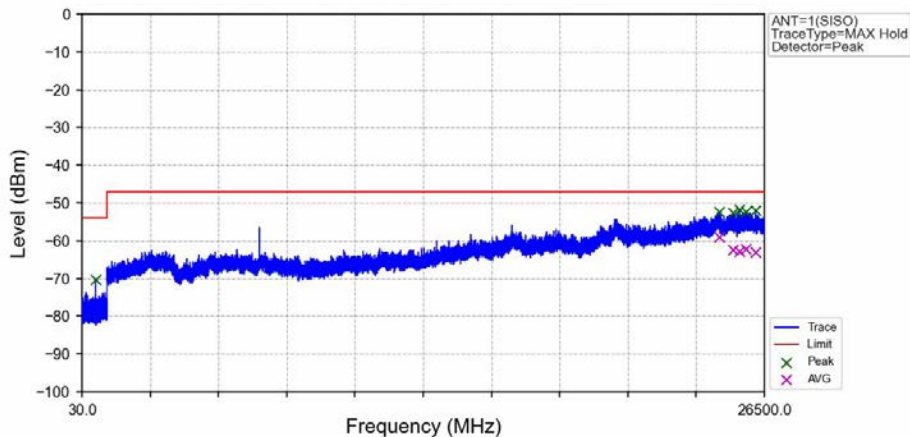
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

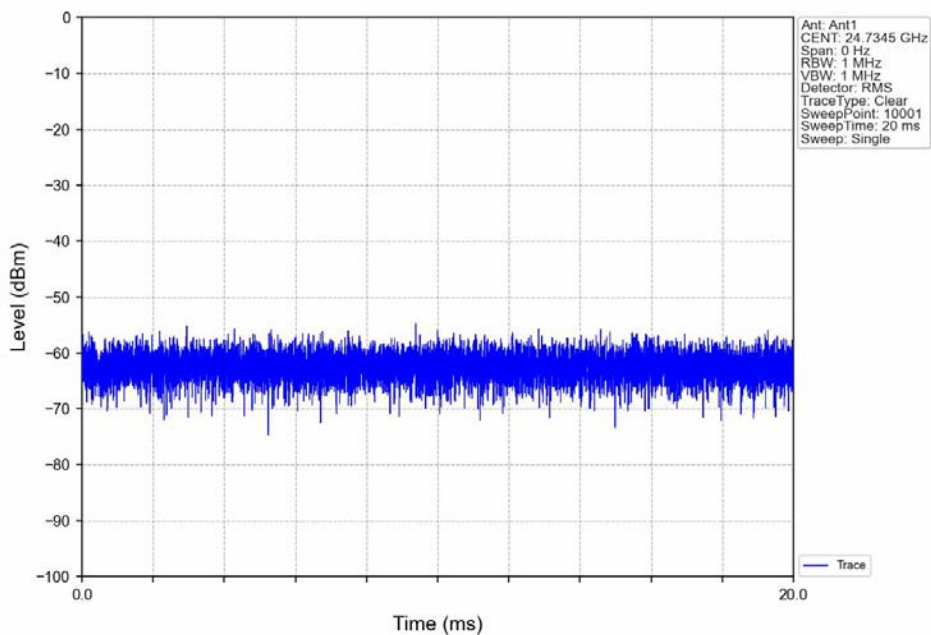


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

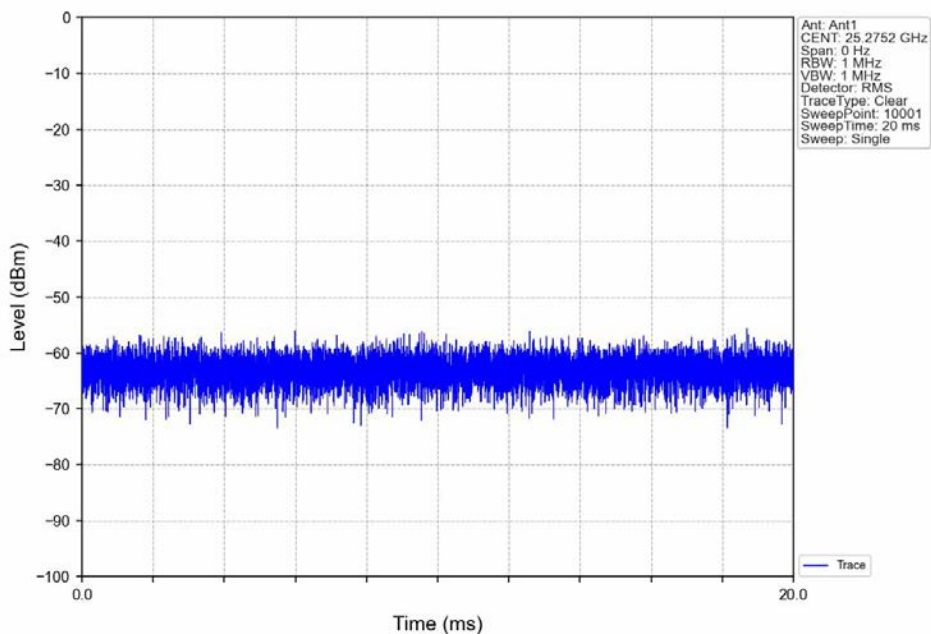


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	550.000	-70.21	/	-54	Pass
1000	26500	1	1	24734.550	-52.39	-58.89	-47	Pass
1000	26500	1	1	25275.150	-52.57	-62.49	-47	Pass
1000	26500	1	1	25534.400	-51.79	-62.85	-47	Pass
1000	26500	1	1	25777.500	-52.31	-62.16	-47	Pass
1000	26500	1	1	26166.800	-51.97	-63.14	-47	Pass

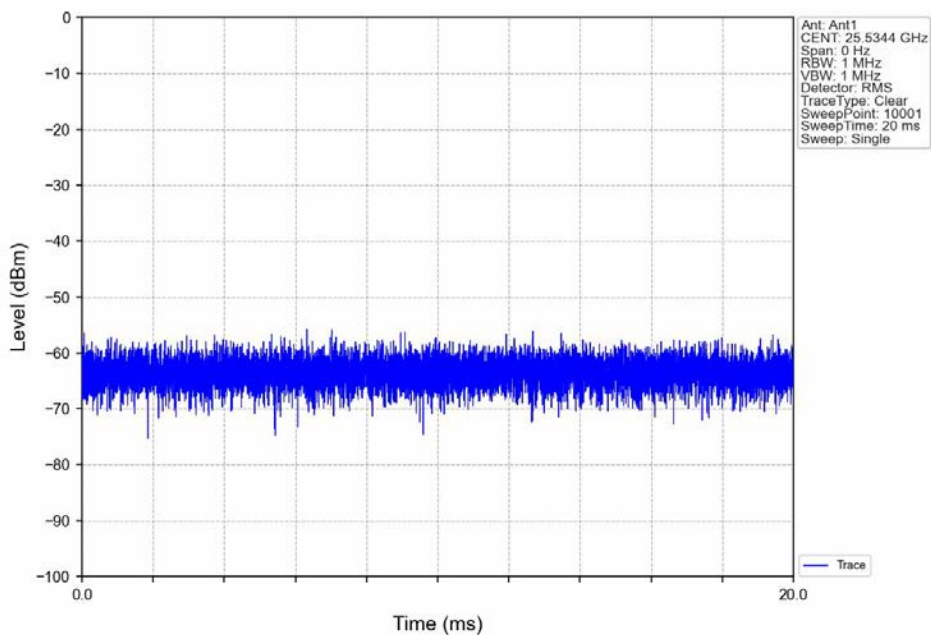
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



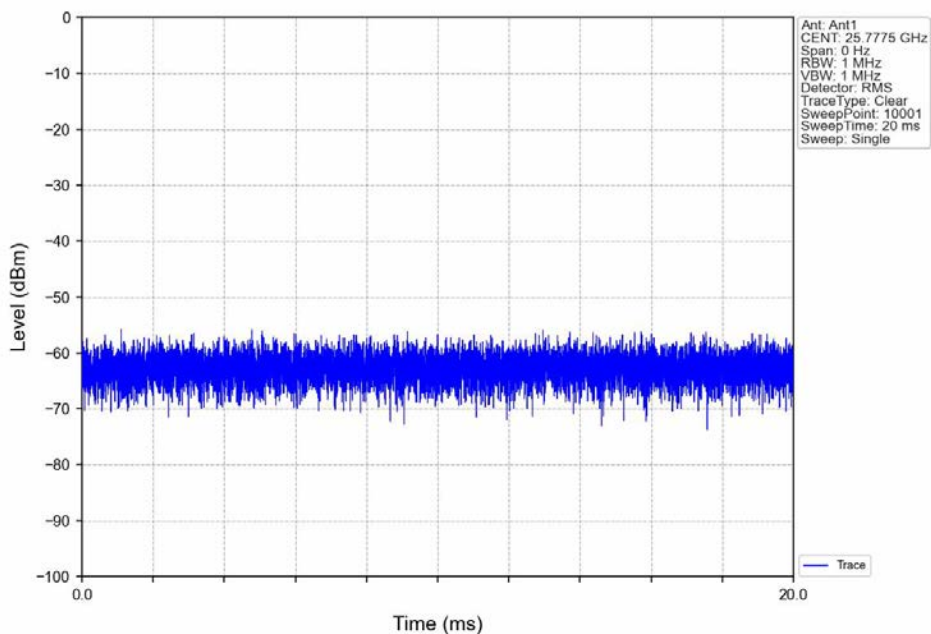
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



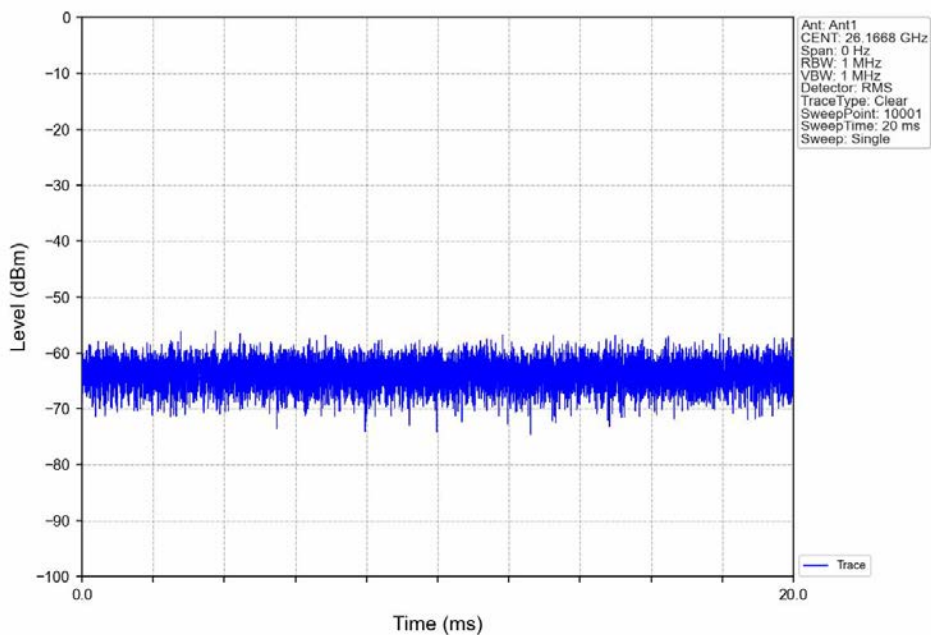
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



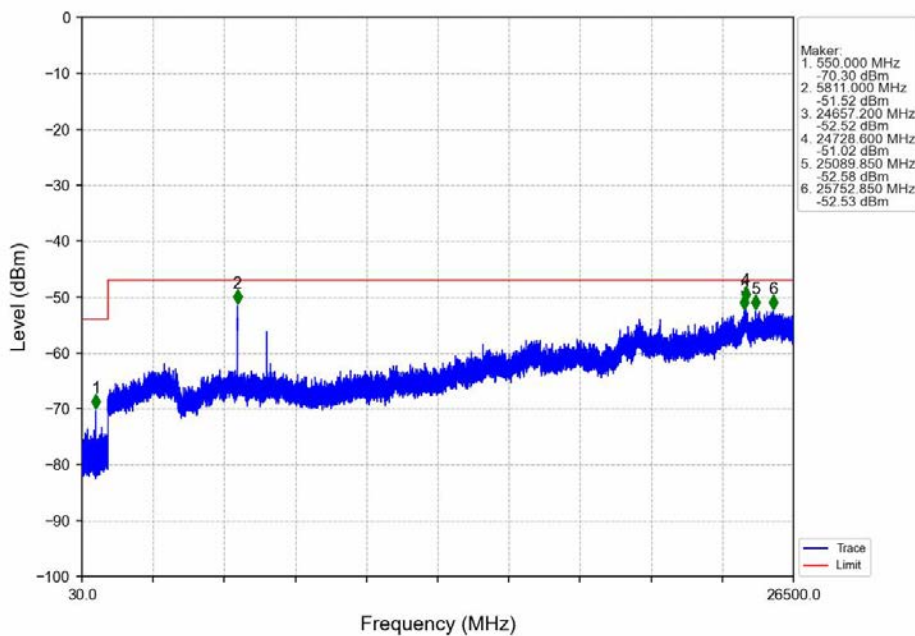
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



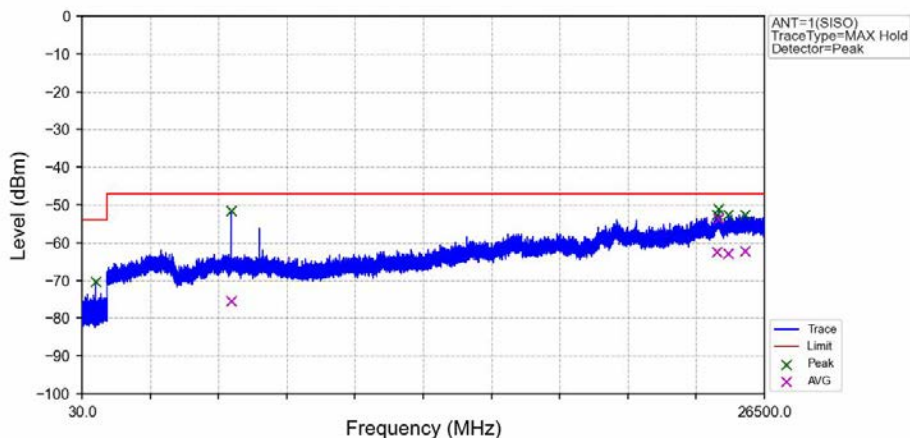
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

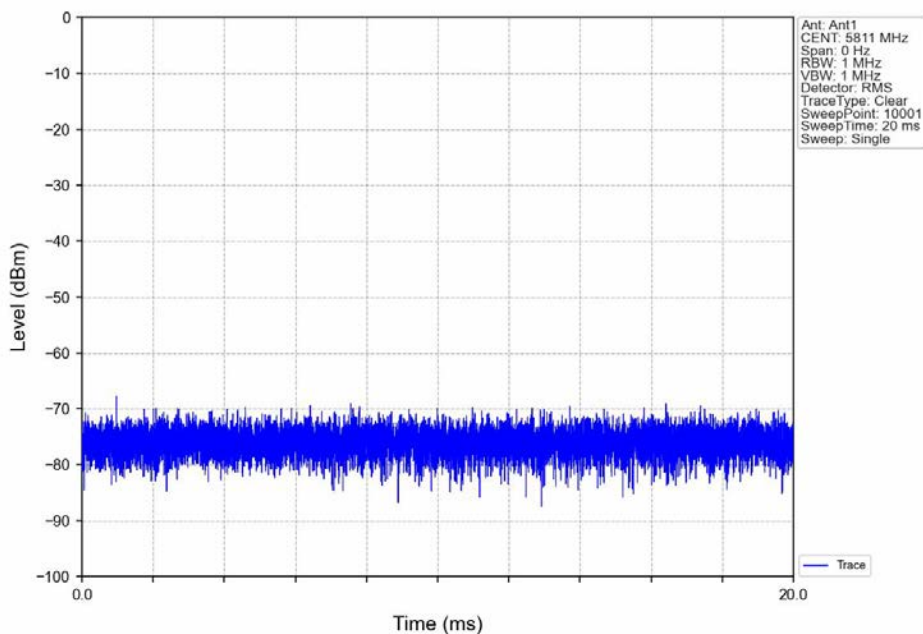


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

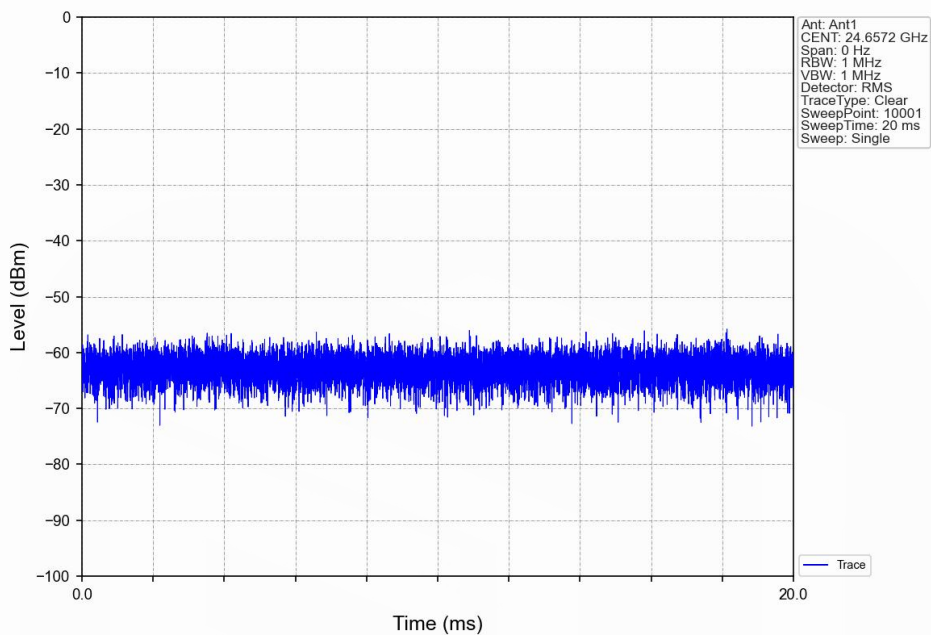


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	550.000	-70.30	/	-54	Pass
1000	26500	1	1	5811.000	-51.52	-75.48	-47	Pass
1000	26500	1	1	24657.200	-52.52	-62.34	-47	Pass
1000	26500	1	1	24728.600	-51.02	-53.62	-47	Pass
1000	26500	1	1	25089.850	-52.58	-62.92	-47	Pass
1000	26500	1	1	25752.850	-52.53	-62.11	-47	Pass

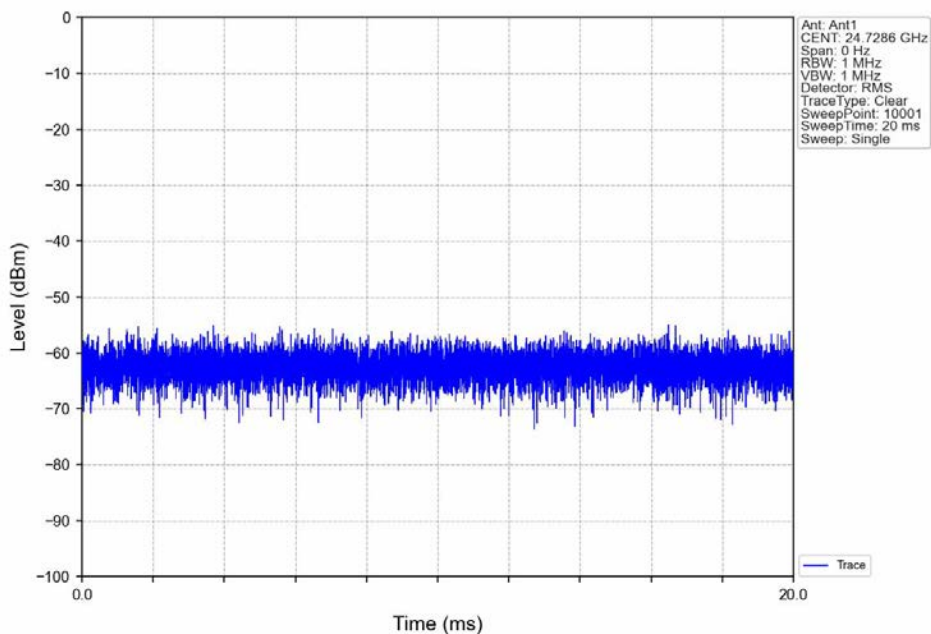
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



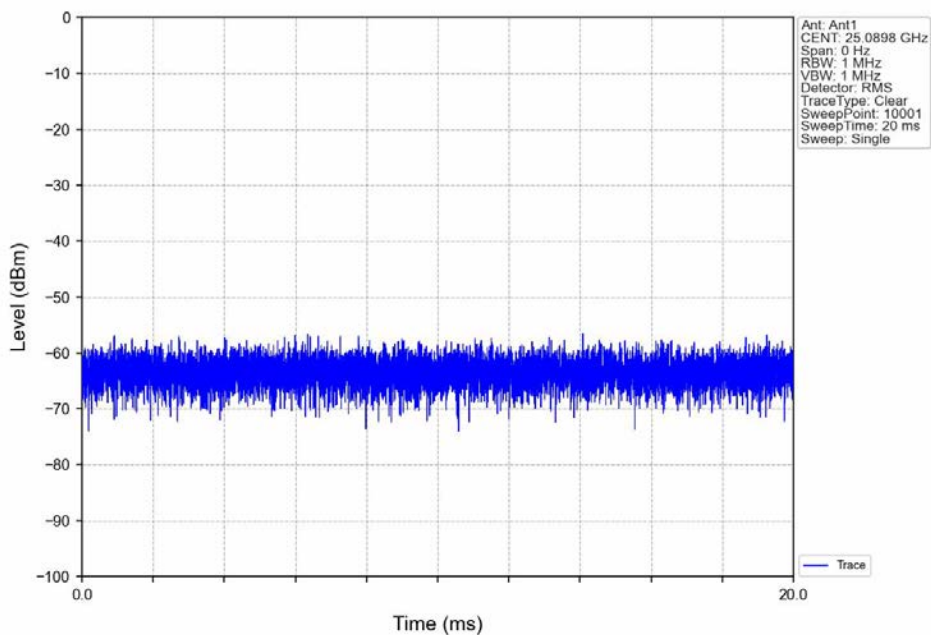
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



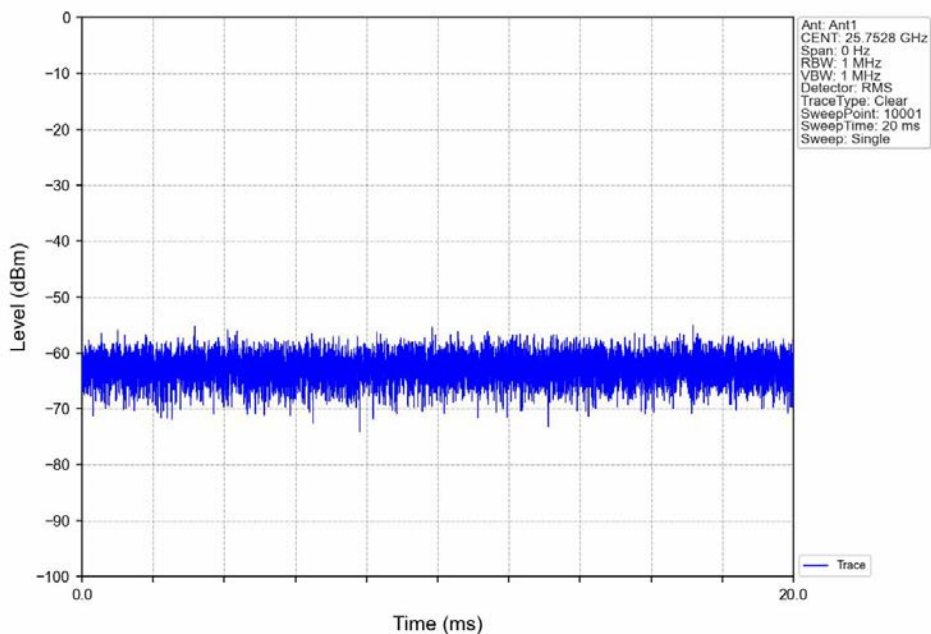
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



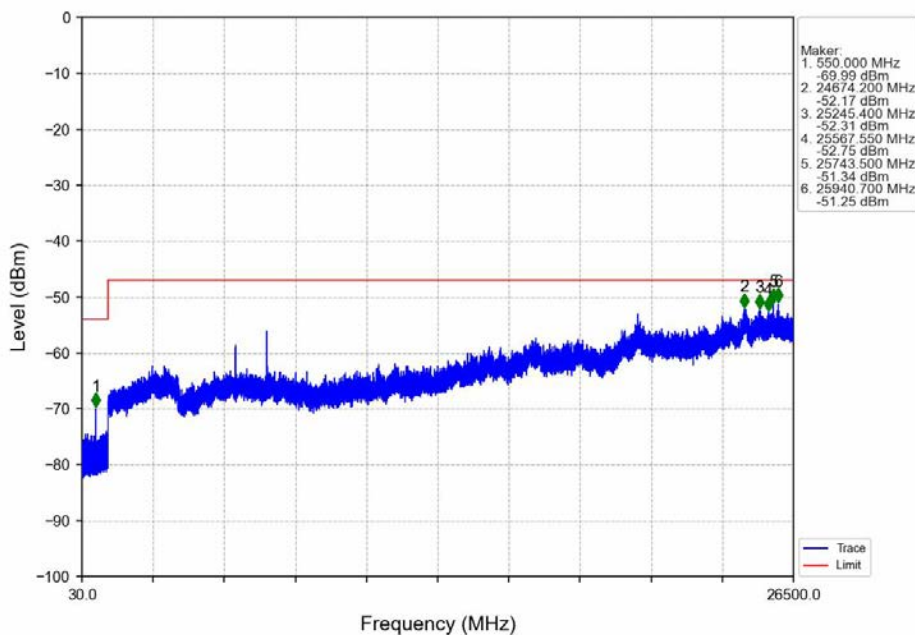
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



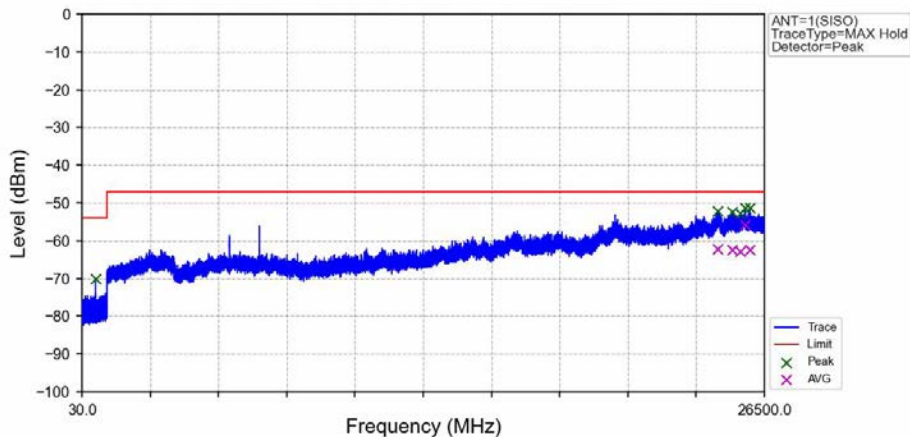
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

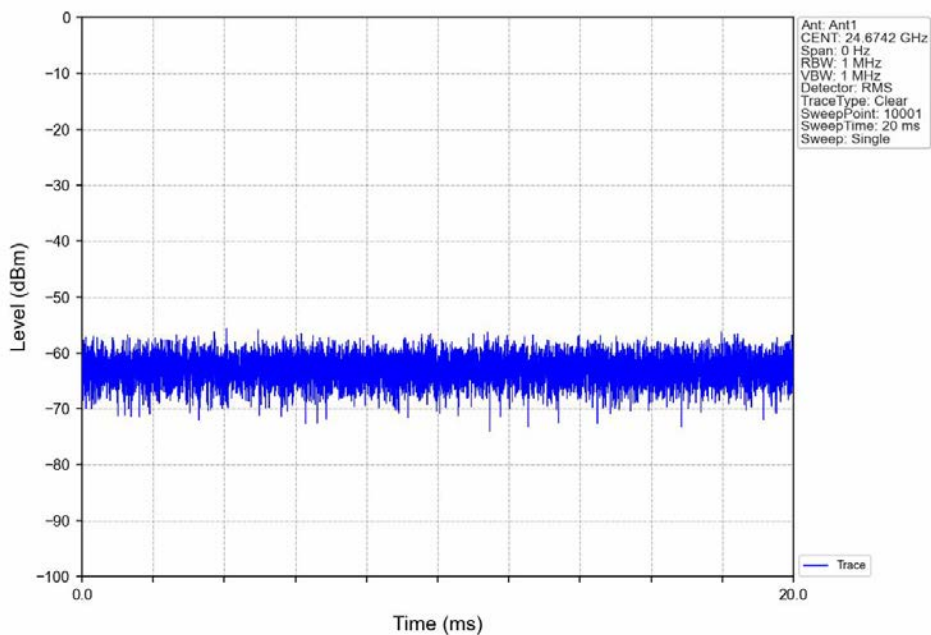


802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

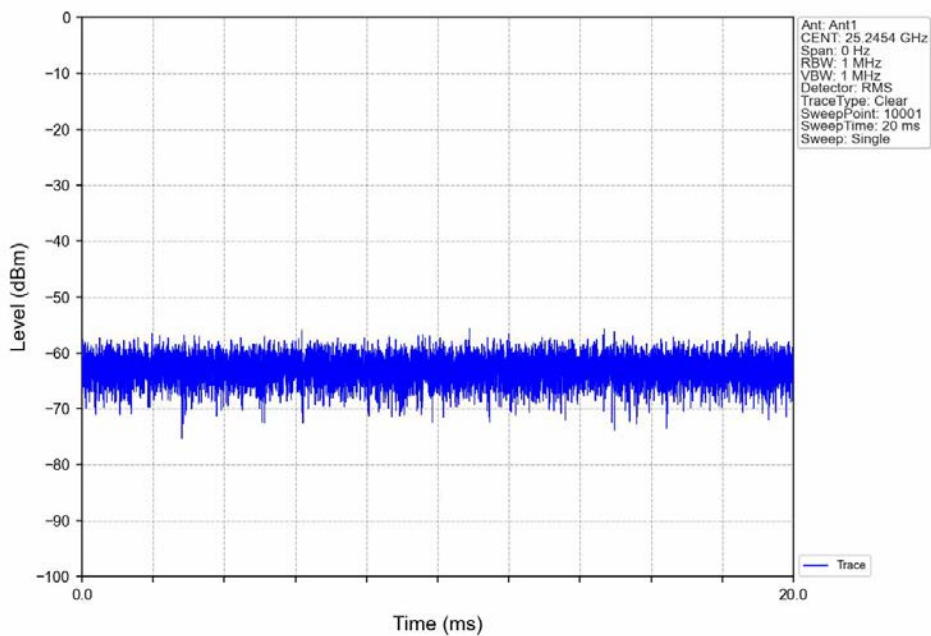


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	550.000	-69.99	/	-54	Pass
1000	26500	1	1	24674.200	-52.17	-62.25	-47	Pass
1000	26500	1	1	25245.400	-52.31	-62.36	-47	Pass
1000	26500	1	1	25567.550	-52.75	-62.78	-47	Pass
1000	26500	1	1	25743.500	-51.34	-55.75	-47	Pass
1000	26500	1	1	25940.700	-51.25	-62.37	-47	Pass

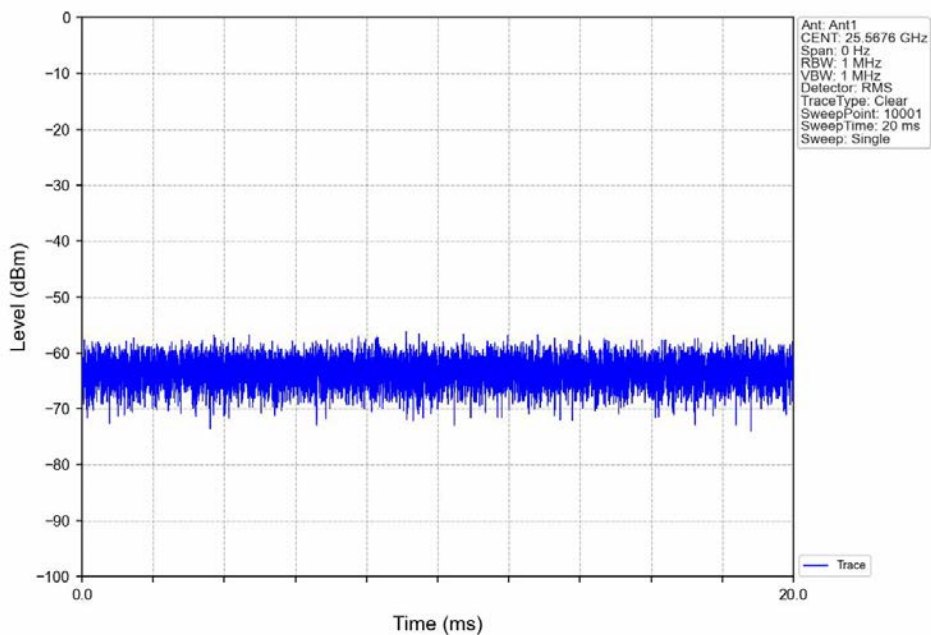
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



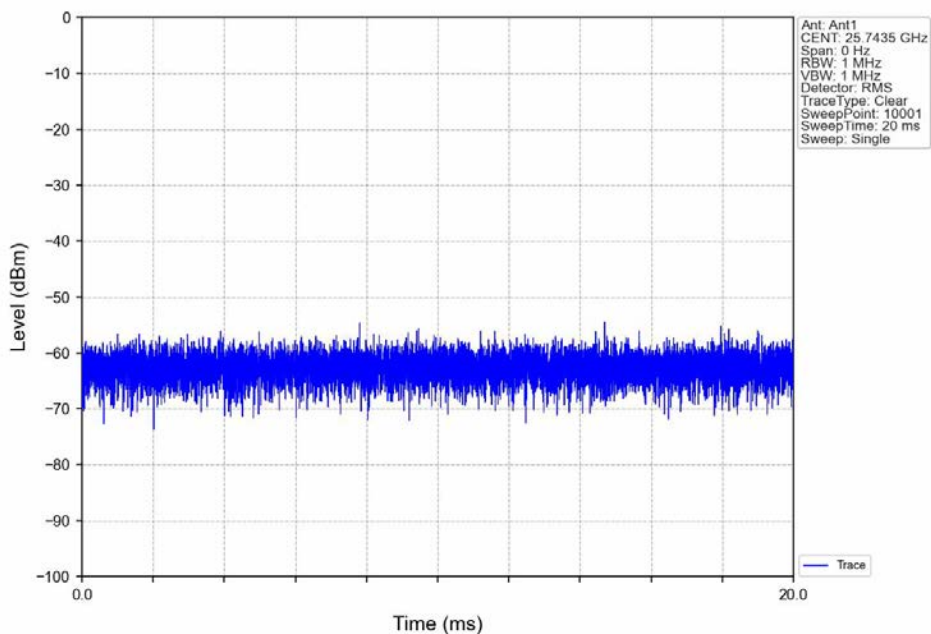
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



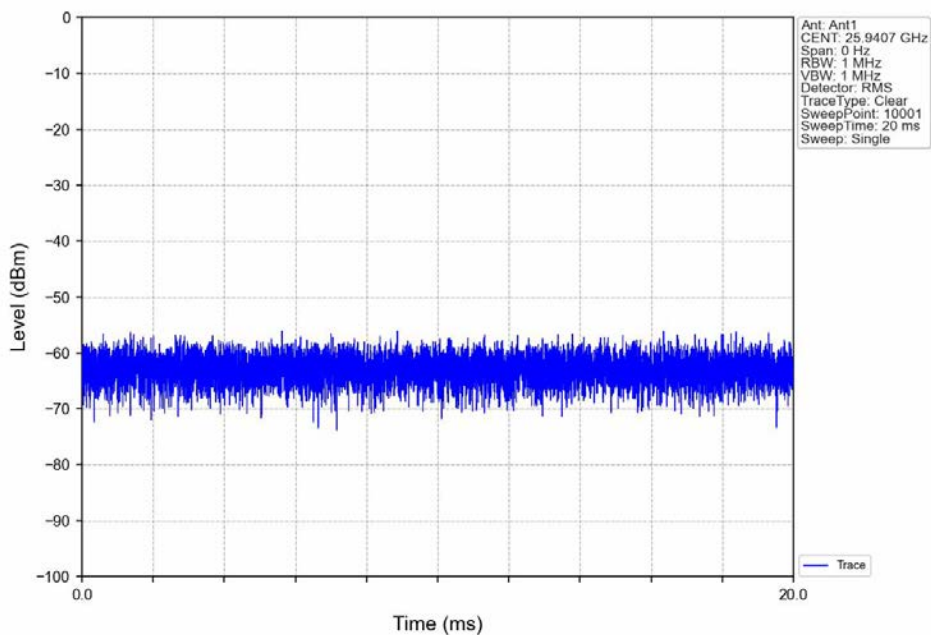
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



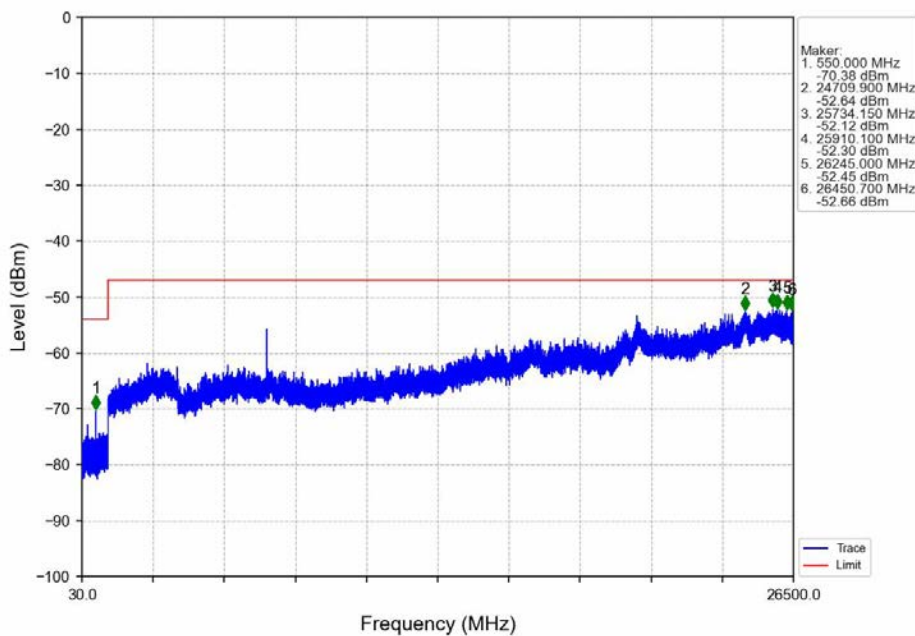
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



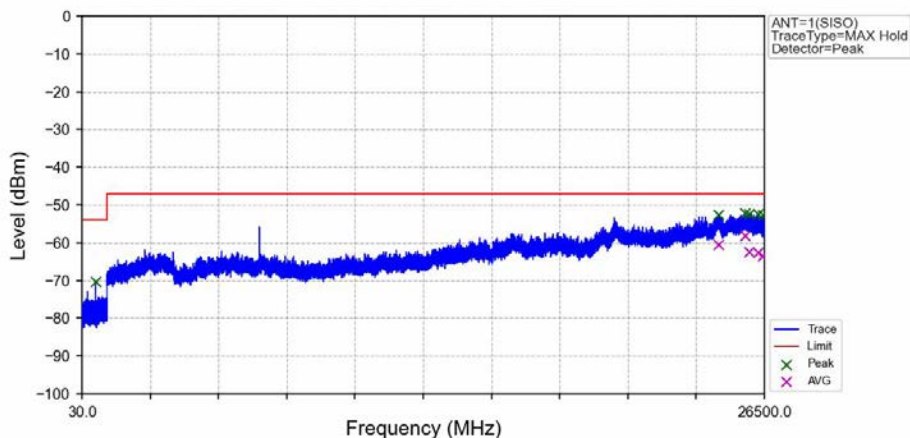
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

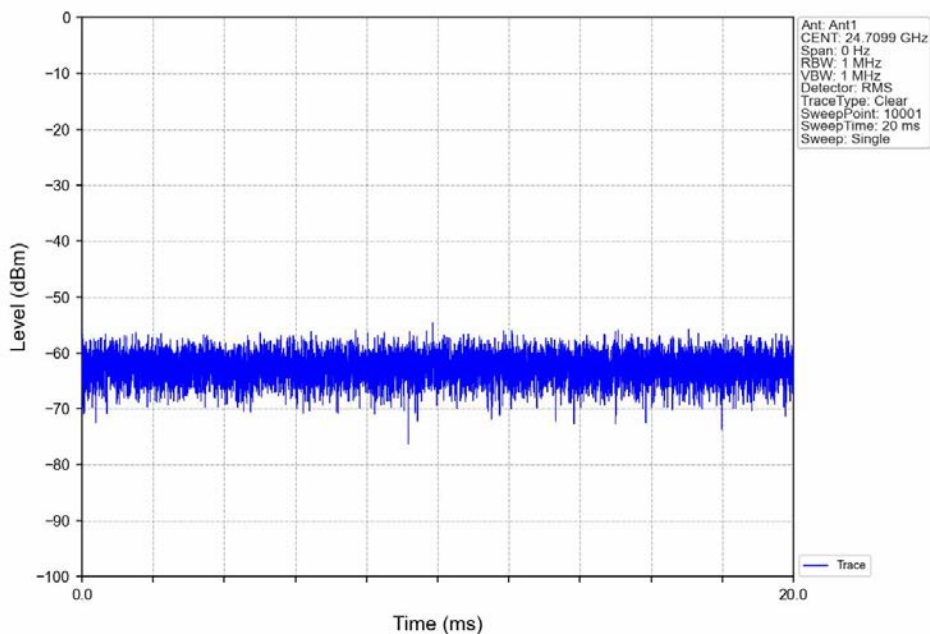


802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

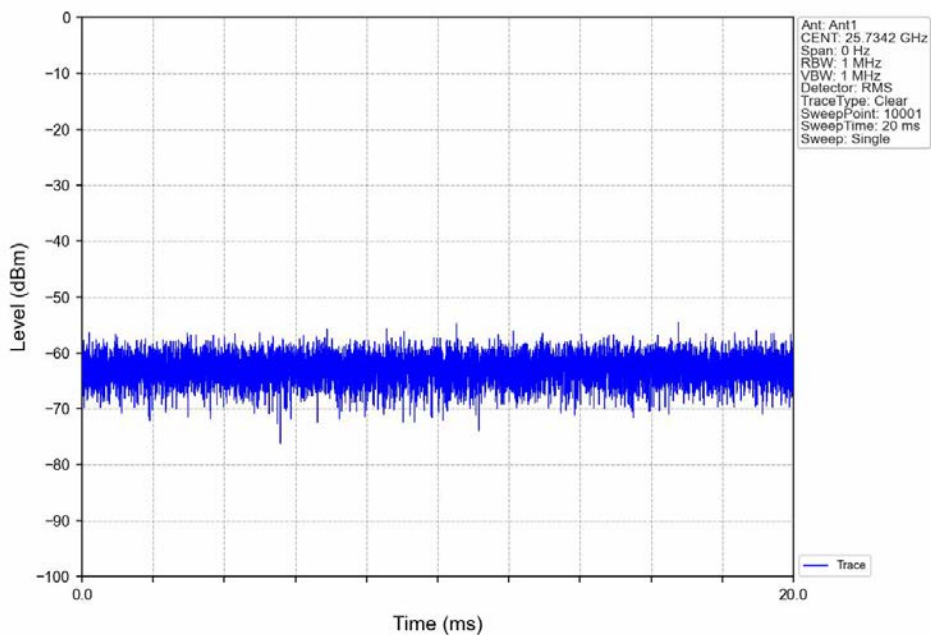


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	550.000	-70.38	/	-54	Pass
1000	26500	1	1	24709.900	-52.64	-60.39	-47	Pass
1000	26500	1	1	25734.150	-52.12	-58.10	-47	Pass
1000	26500	1	1	25910.100	-52.30	-62.37	-47	Pass
1000	26500	1	1	26245.000	-52.45	-62.62	-47	Pass
1000	26500	1	1	26450.700	-52.66	-63.42	-47	Pass

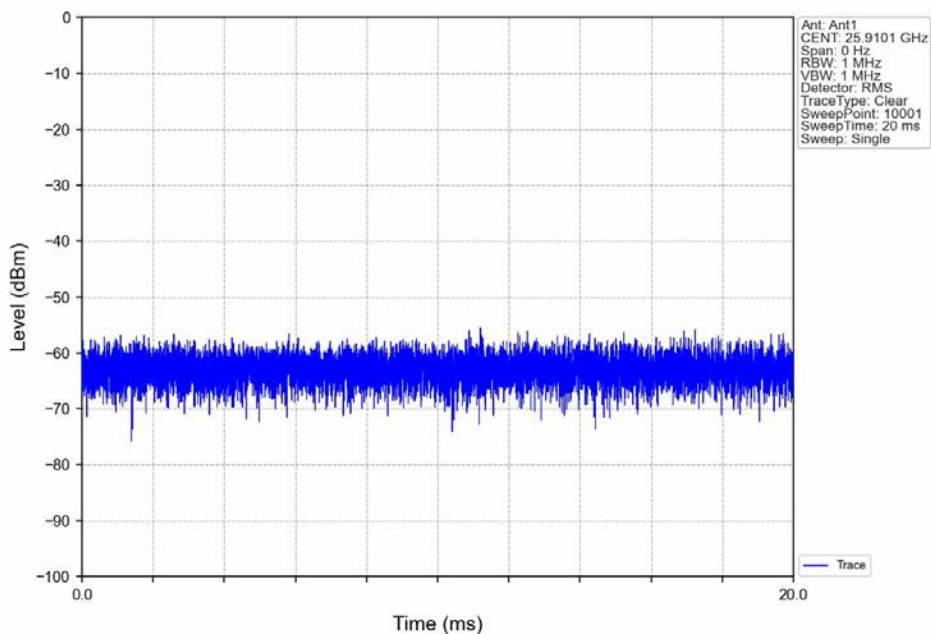
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



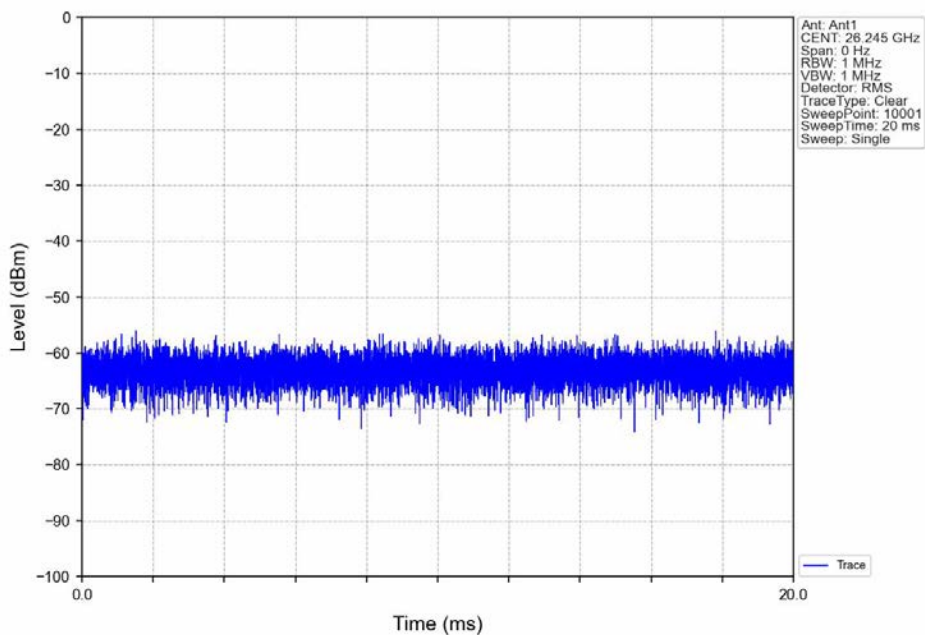
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



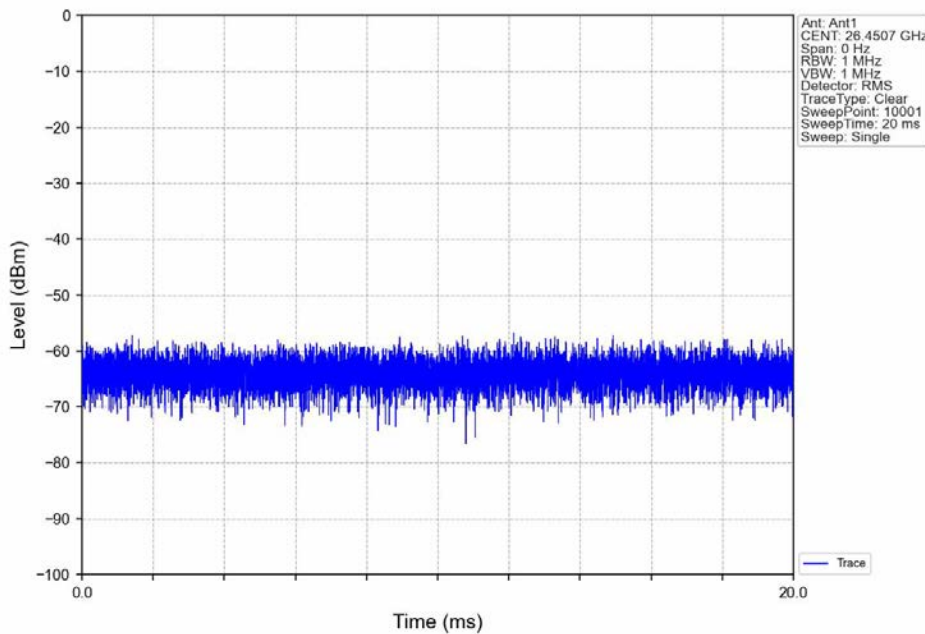
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



----- End of Report -----