

Appendix - 5G WIFI

1. Duty Cycle

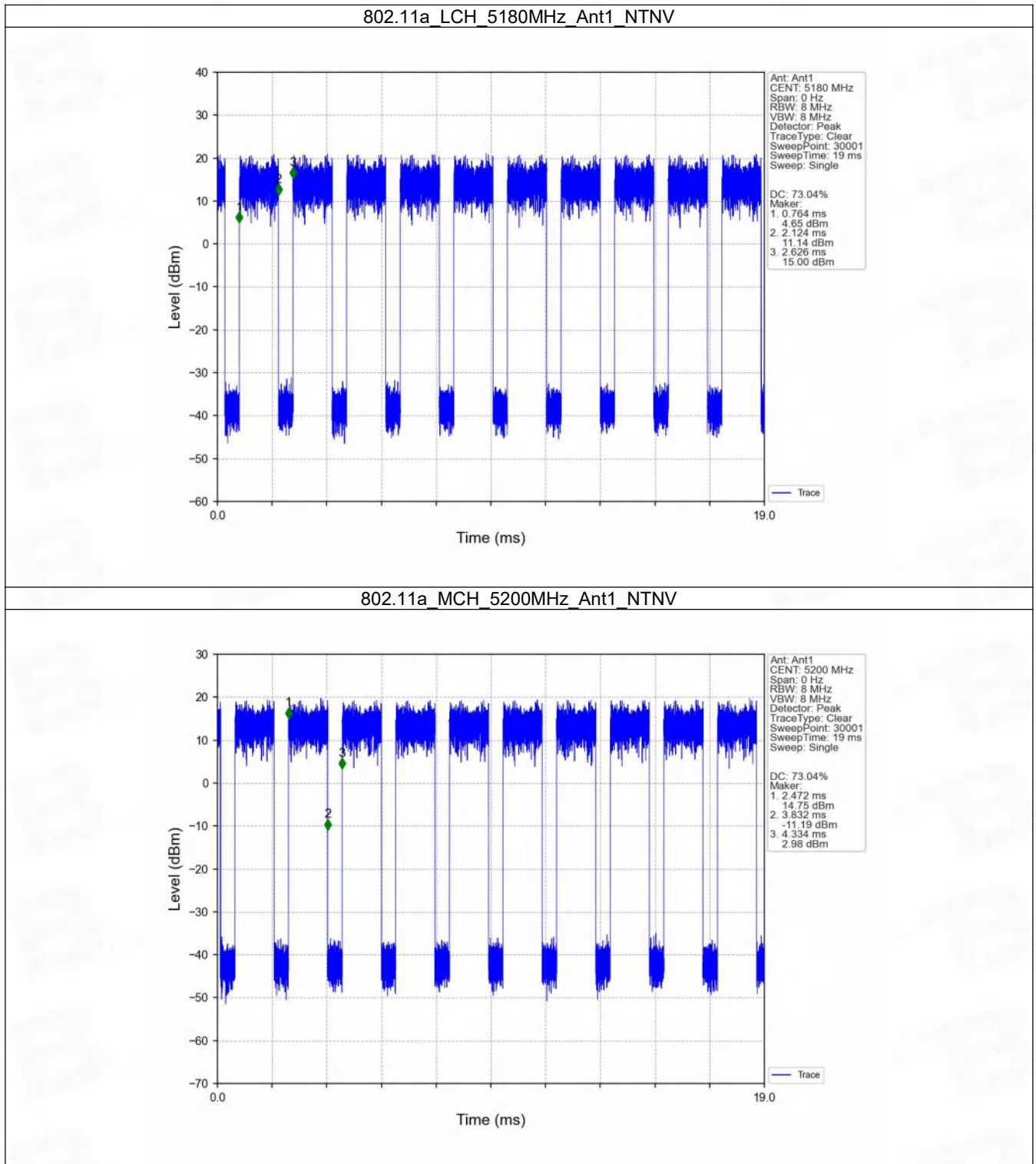
1.1 Test Result

1.1.1 Ant1

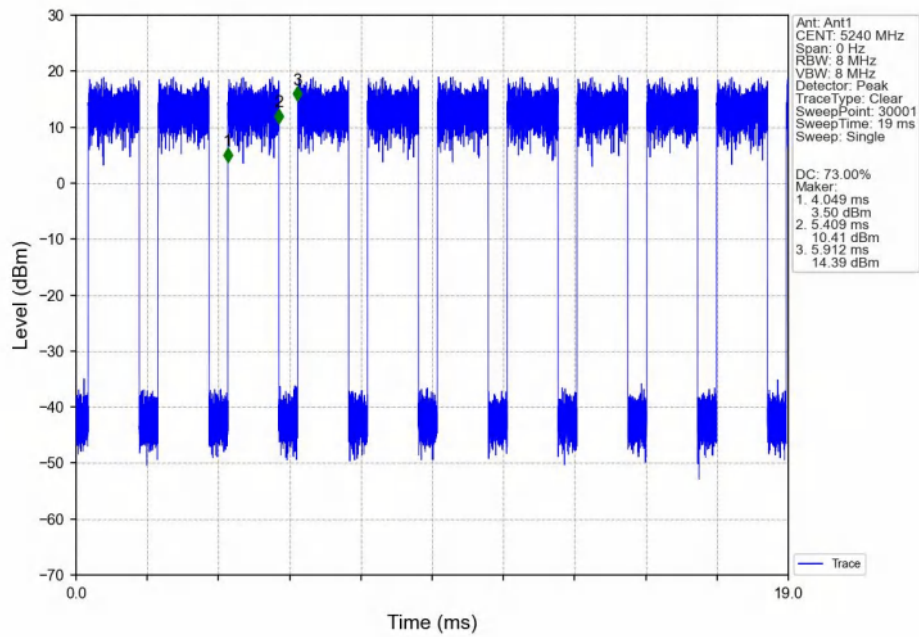
Ant1								
ENV	Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
NTNV	802.11a	SISO	5180	1.360	1.862	73.04	1.36	0.03
			5200	1.360	1.862	73.04	1.36	0.01
			5240	1.360	1.863	73.00	1.37	0.03
	802.11n (HT20)	SISO	5180	1.273	1.775	71.72	1.44	0.03
			5200	1.273	1.775	71.72	1.44	0.02
			5240	1.272	1.775	71.66	1.45	0.02

1.2 Test Graph

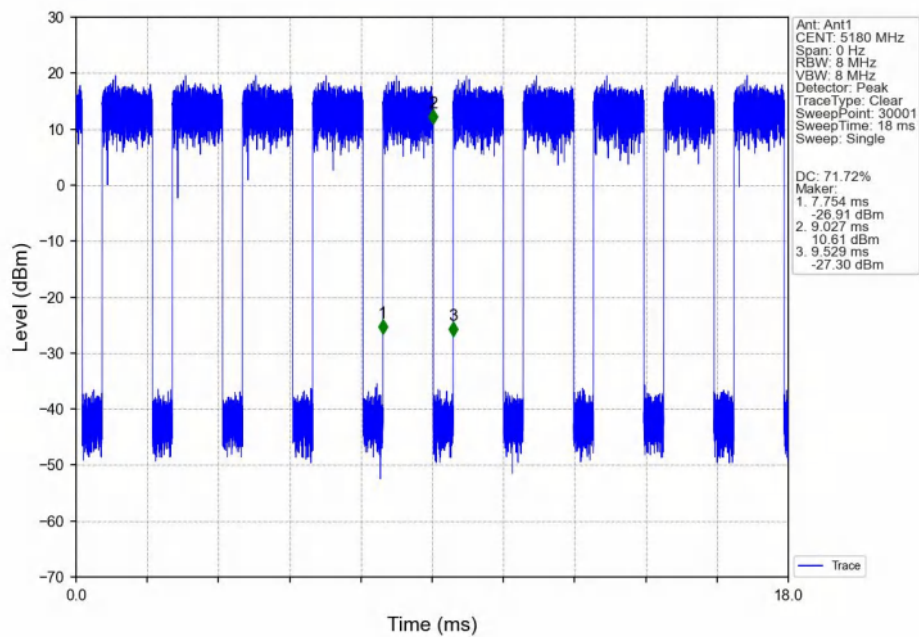
1.2.1 Ant1



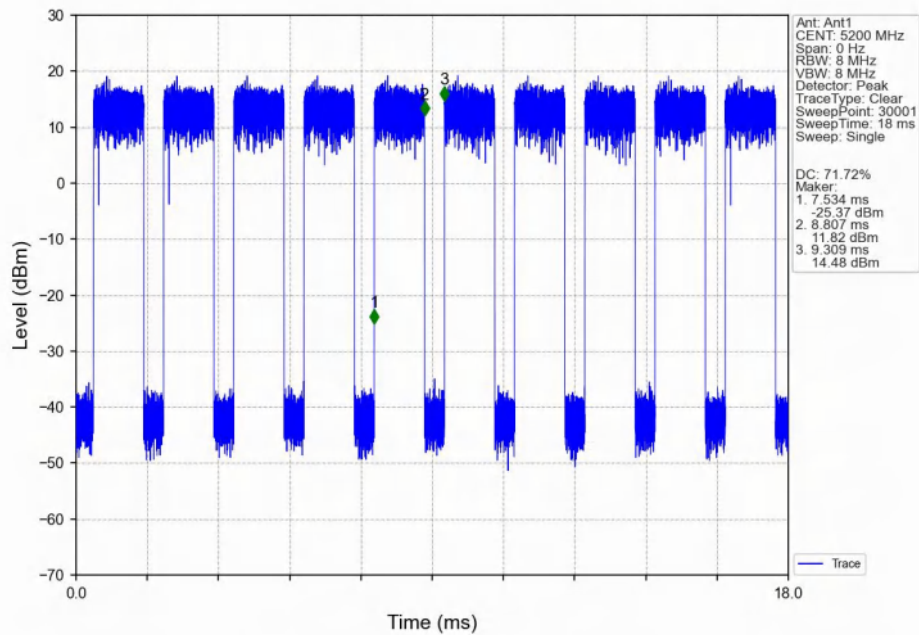
802.11a_HCH_5240MHz_Ant1_NTNV



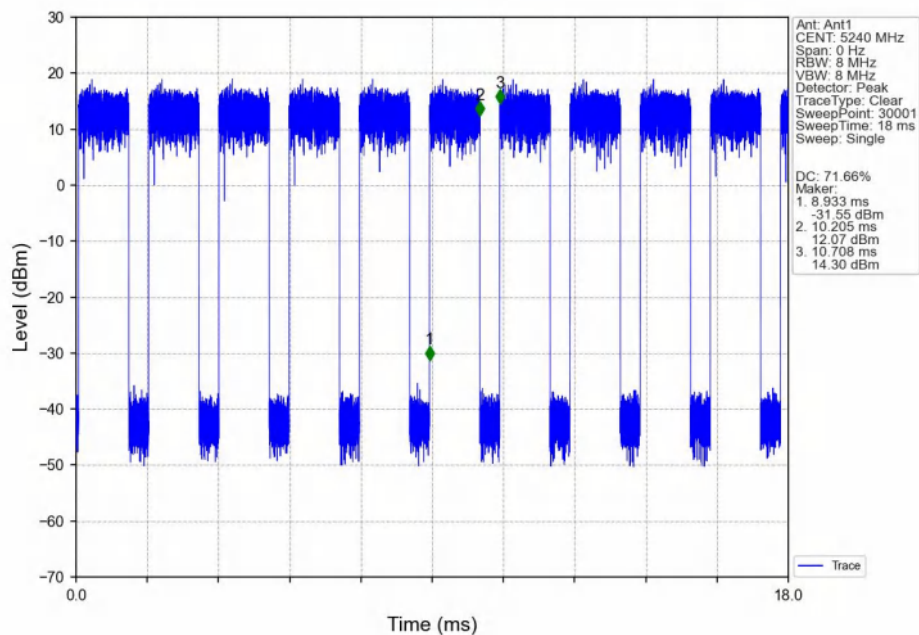
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



2. Frequency Error

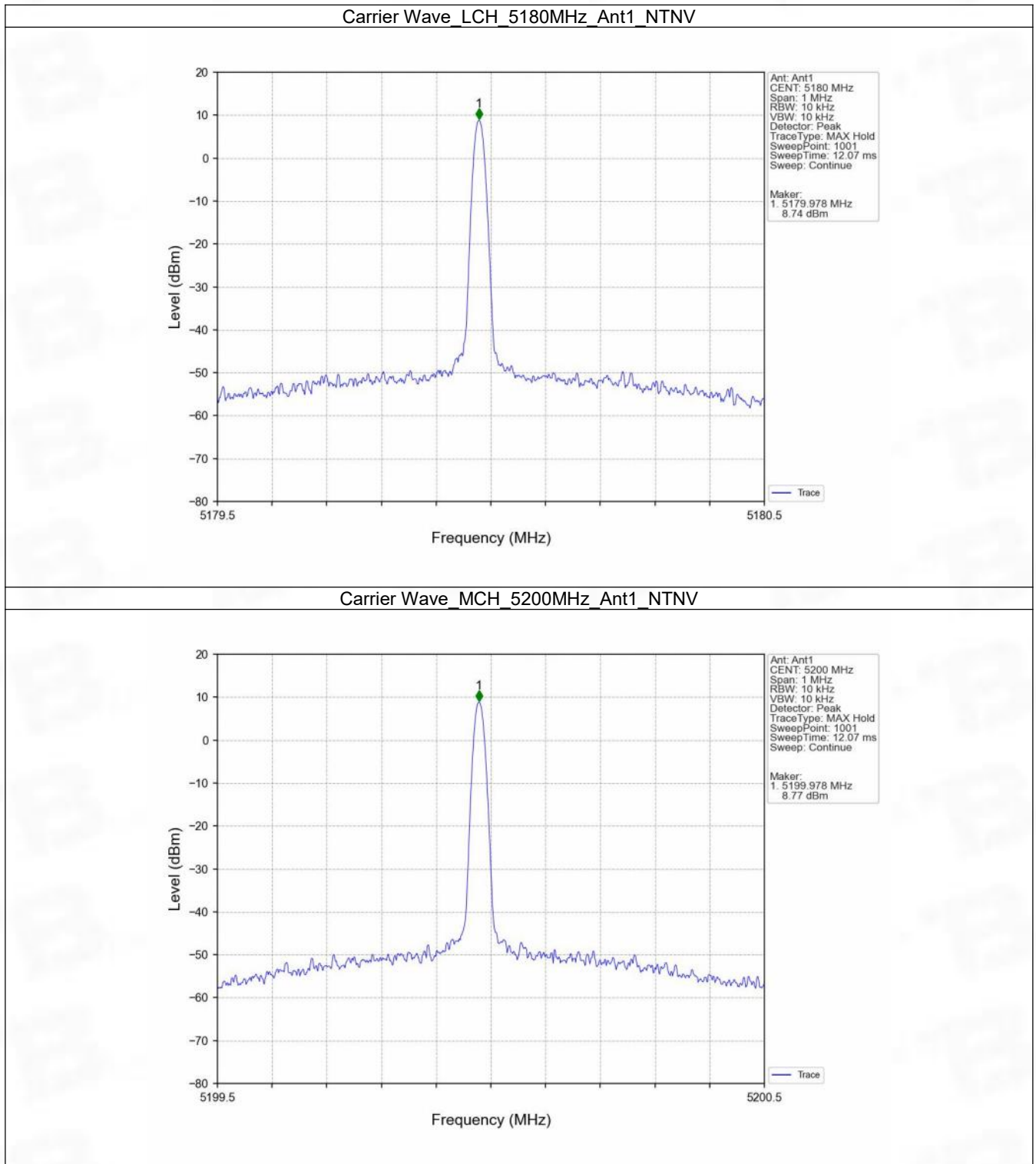
2.1 Test Result

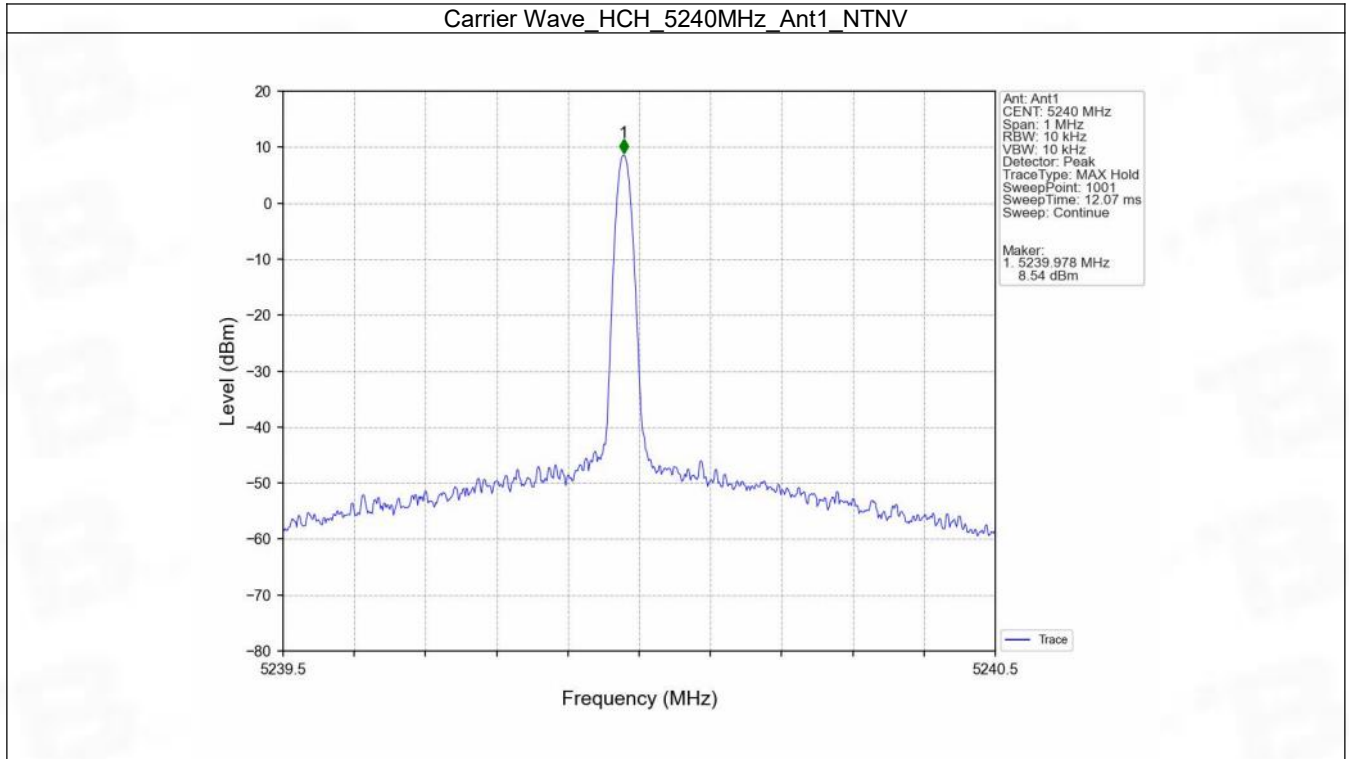
2.1.1 Ant1

Ant1							
ENV	Mode	TX Type	Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)		Verdict
					Result	Limit	
NTNV	Carrier Wave	SISO	5180	5179.978	-4.25	-20 to 20	Pass
			5200	5199.978	-4.23	-20 to 20	Pass
			5240	5239.978	-4.20	-20 to 20	Pass

2.2 Test Graph

2.2.1 Ant1





3. Occupied Bandwidth

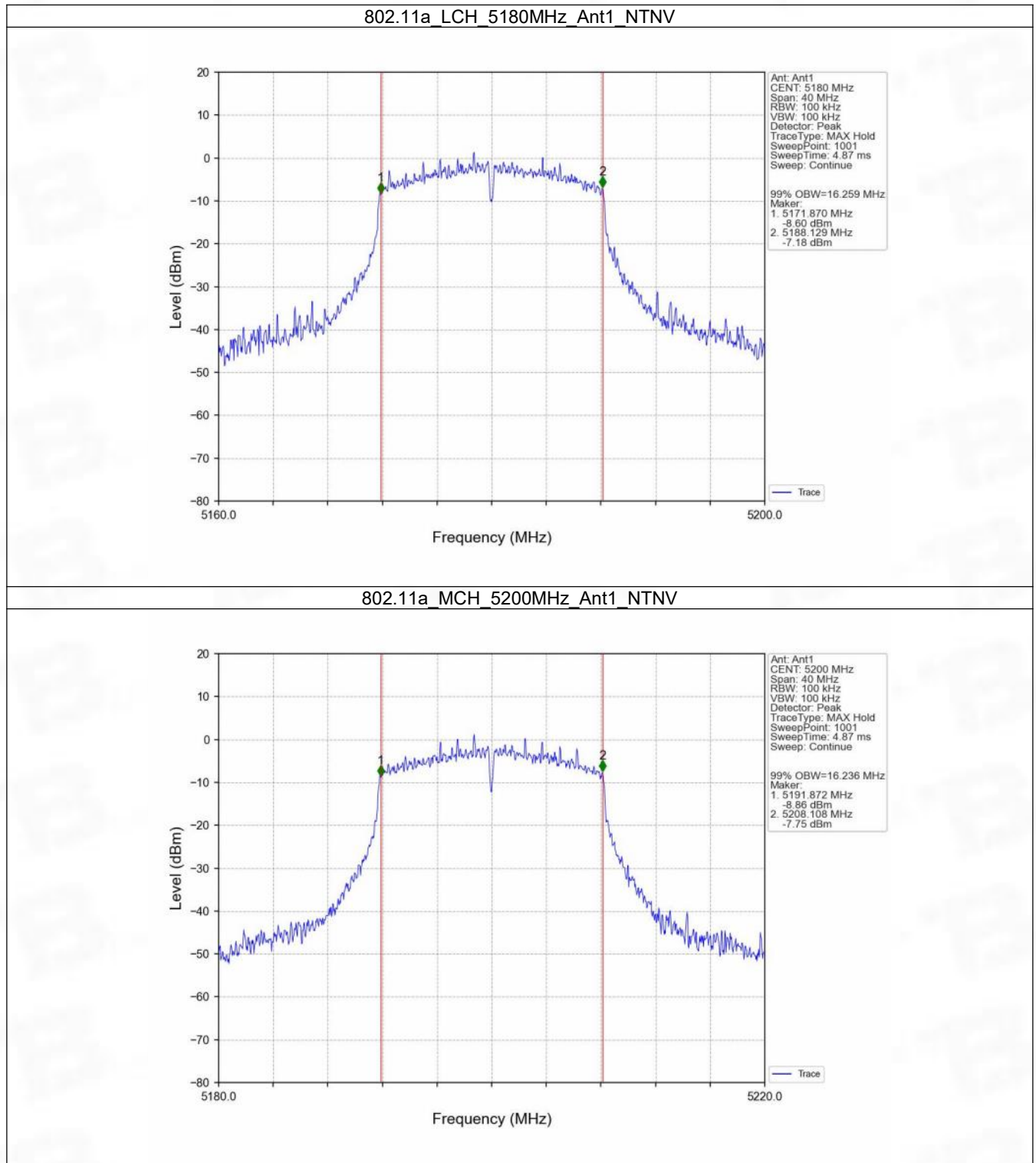
3.1 Test Result

3.1.1 OBW

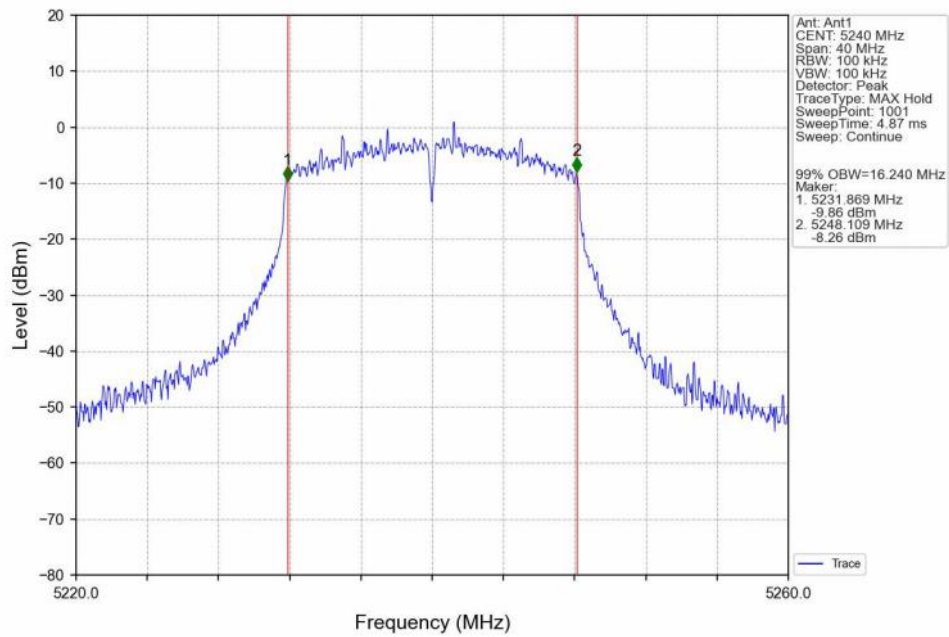
ENV	Mode	TX Type	Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
				ANT1	Limit	
NTNV	802.11a	SISO	5180	16.259	≤ 20	Pass
			5200	16.236	≤ 20	Pass
			5240	16.240	≤ 20	Pass
	802.11n (HT20)	SISO	5180	17.374	≤ 20	Pass
			5200	17.379	≤ 20	Pass
			5240	17.361	≤ 20	Pass

3.2 Test Graph

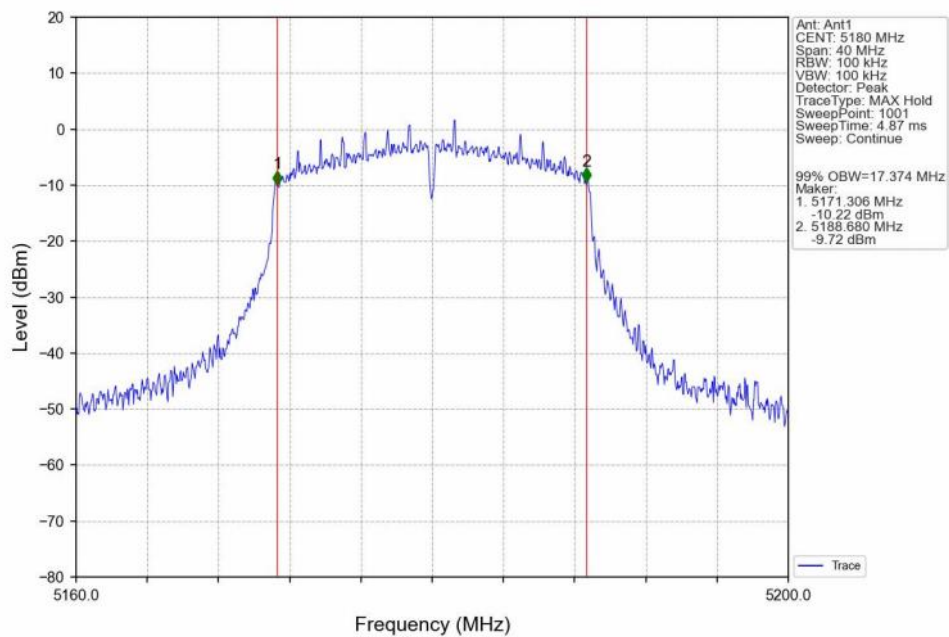
3.2.1 OBW



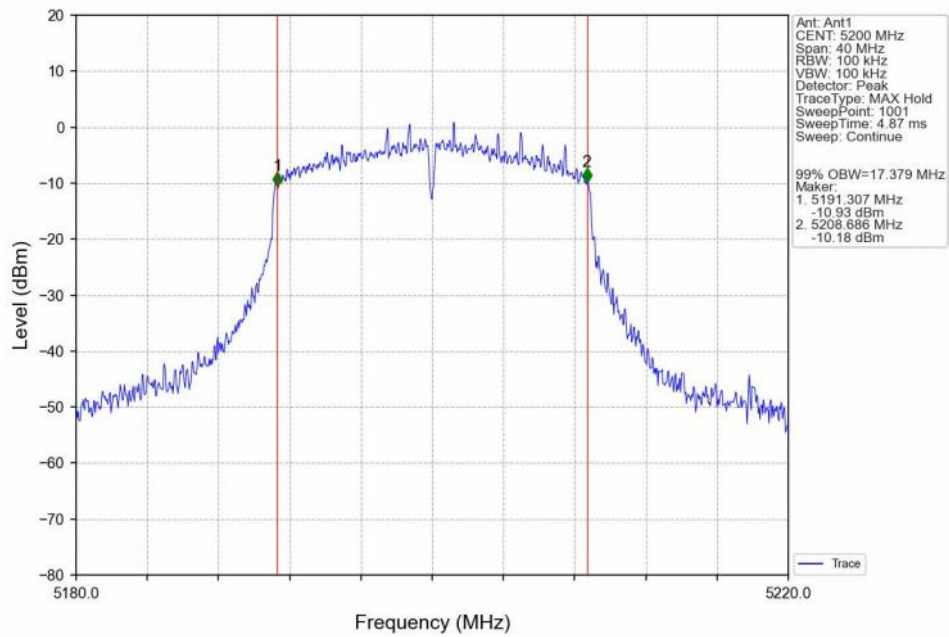
802.11a_HCH_5240MHz_Ant1_NTNV



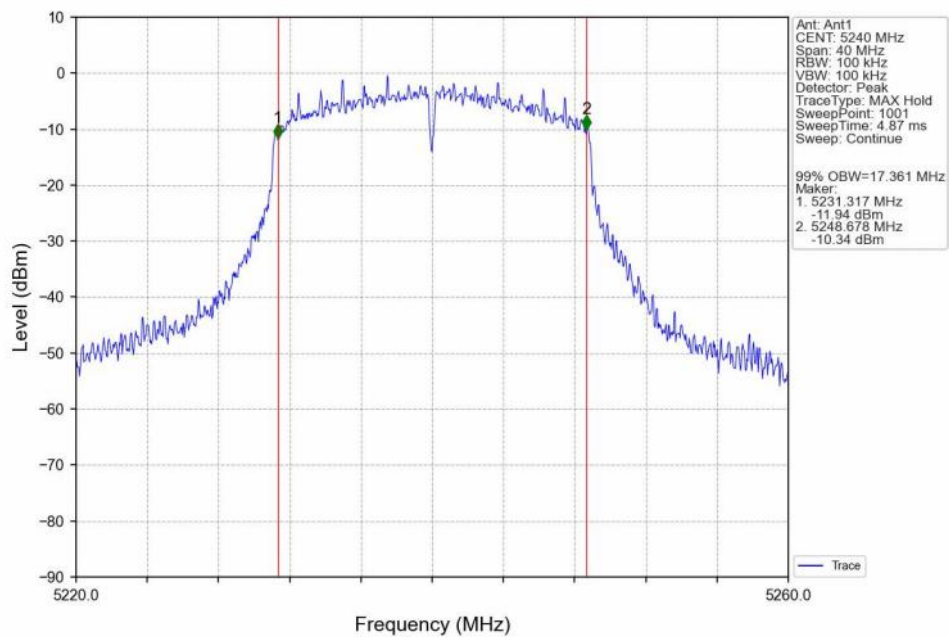
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



4. Antenna Power

4.1 Test Result

4.1.1 Power_NTNV

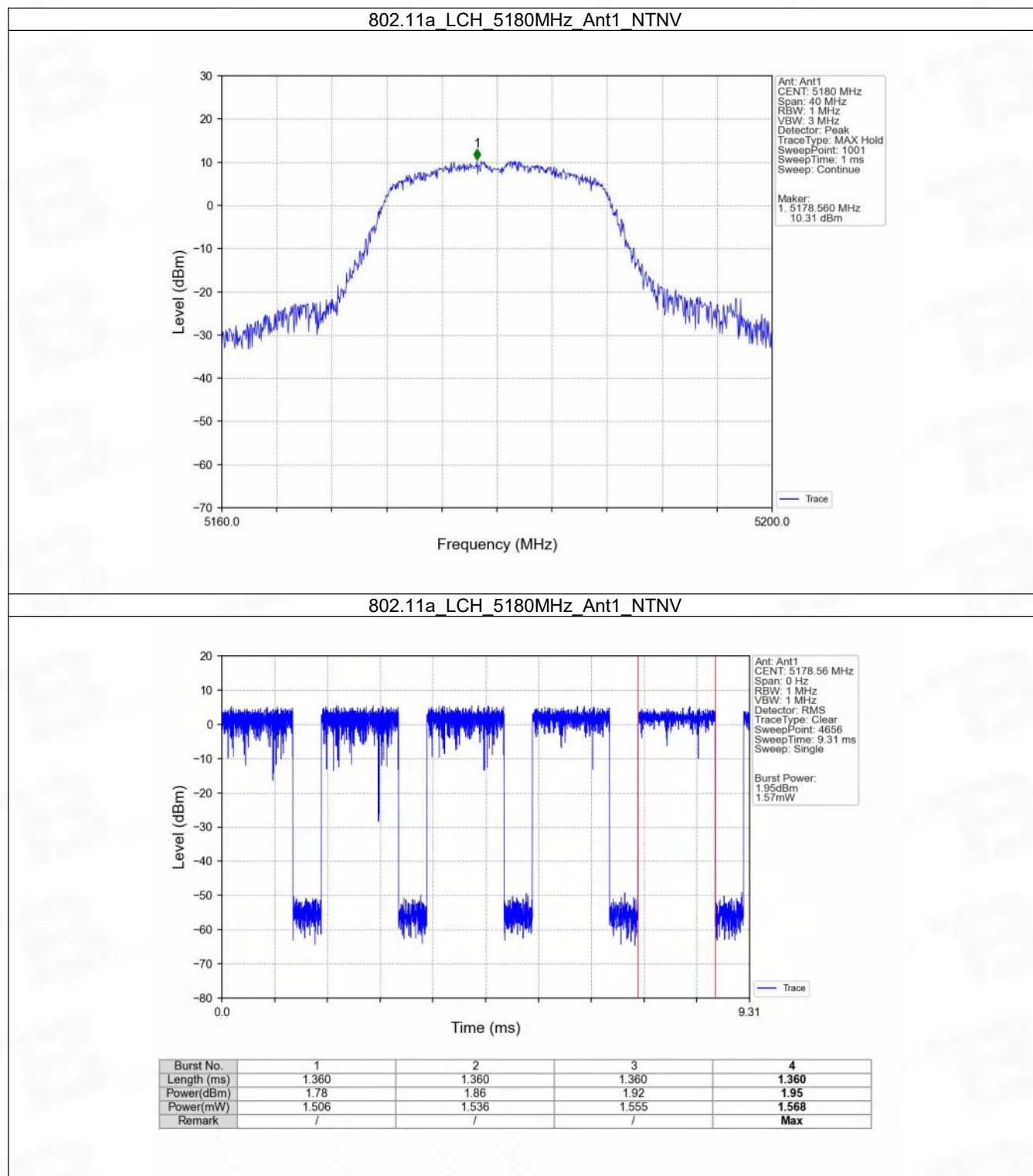
NTNV									
Mode	TX Type	Frequency (MHz)	ANT	Antenna Power (mW/MHz)		Nominal Power (mW/MHz)	Tolerance (%)		Verdict
				Measured	Limit		Measured	Limit	
802.11a	SISO	5180	1	1.568	≤ 10.00	1.600	-2.00	-80 to 20	Pass
		5200	1	1.361	≤ 10.00	1.600	-14.94	-80 to 20	Pass
		5240	1	1.272	≤ 10.00	1.600	-20.50	-80 to 20	Pass
802.11n (HT20)	SISO	5180	1	1.275	≤ 10.00	1.300	-1.92	-80 to 20	Pass
		5200	1	1.247	≤ 10.00	1.300	-4.08	-80 to 20	Pass
		5240	1	1.169	≤ 10.00	1.300	-10.08	-80 to 20	Pass

4.1.2 EIRP_NTNV

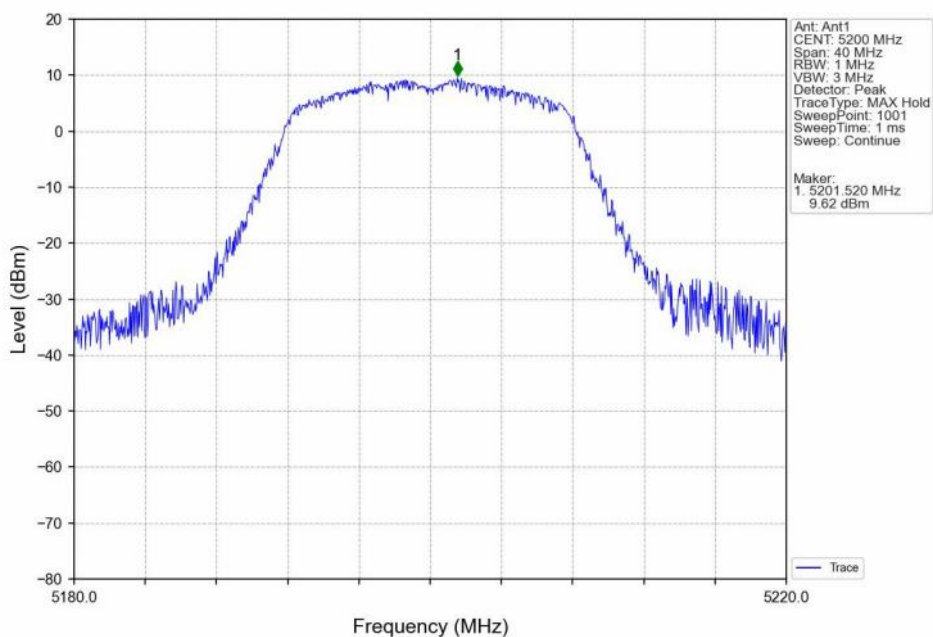
NTNV							
Mode	TX Type	Frequency (MHz)	ANT	Gain (dBi)	EIRP (mW/MHz)		Verdict
					Result	Limit	
802.11a	SISO	5180	1	2.22	2.61	≤ 10	Pass
		5200	1	2.22	2.27	≤ 10	Pass
		5240	1	2.22	2.12	≤ 10	Pass
802.11n (HT20)	SISO	5180	1	2.22	2.13	≤ 10	Pass
		5200	1	2.22	2.08	≤ 10	Pass
		5240	1	2.22	1.95	≤ 10	Pass

4.2 Test Graph

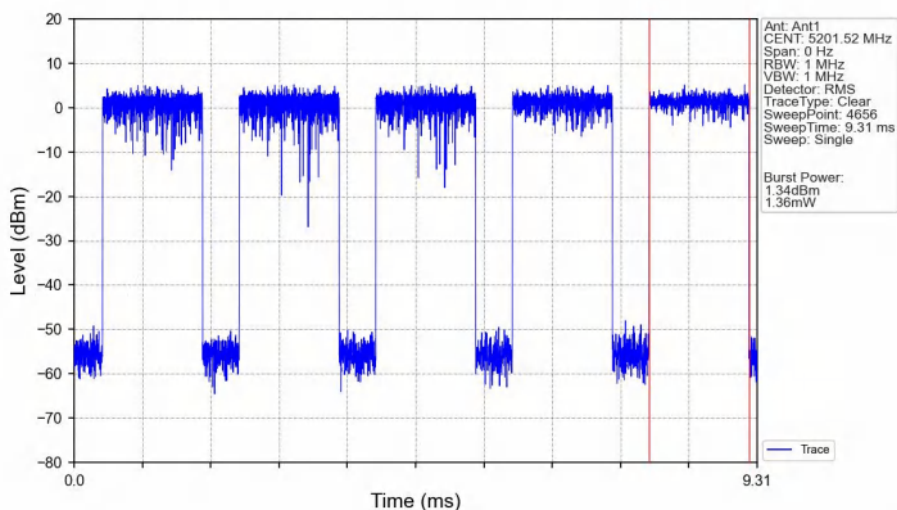
4.2.1 Power_NTNV



802.11a_MCH_5200MHz_Ant1_NTNV

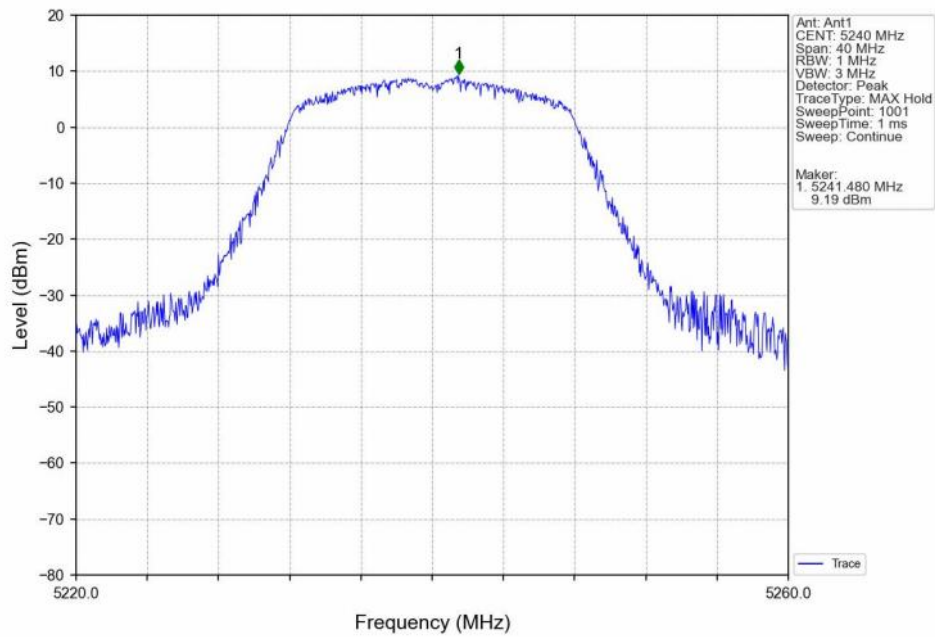


802.11a_MCH_5200MHz_Ant1_NTNV

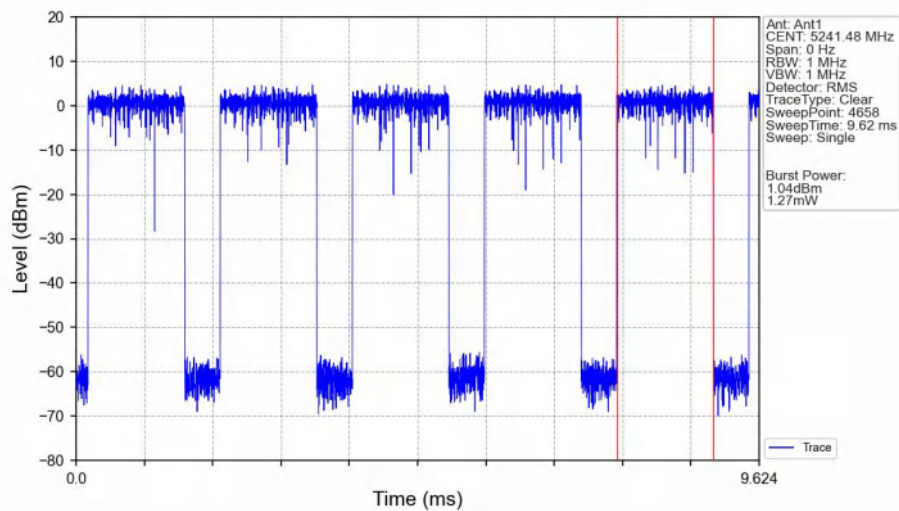


Burst No.	1	2	3	4	5
Length (ms)	1.372	1.372	1.370	1.372	1.372
Power(dBm)	1.07	1.19	1.27	1.31	1.34
Power(mW)	1.280	1.316	1.340	1.352	1.361
Remark	/	/	/	/	Max

802.11a_HCH_5240MHz_Ant1_NTNV

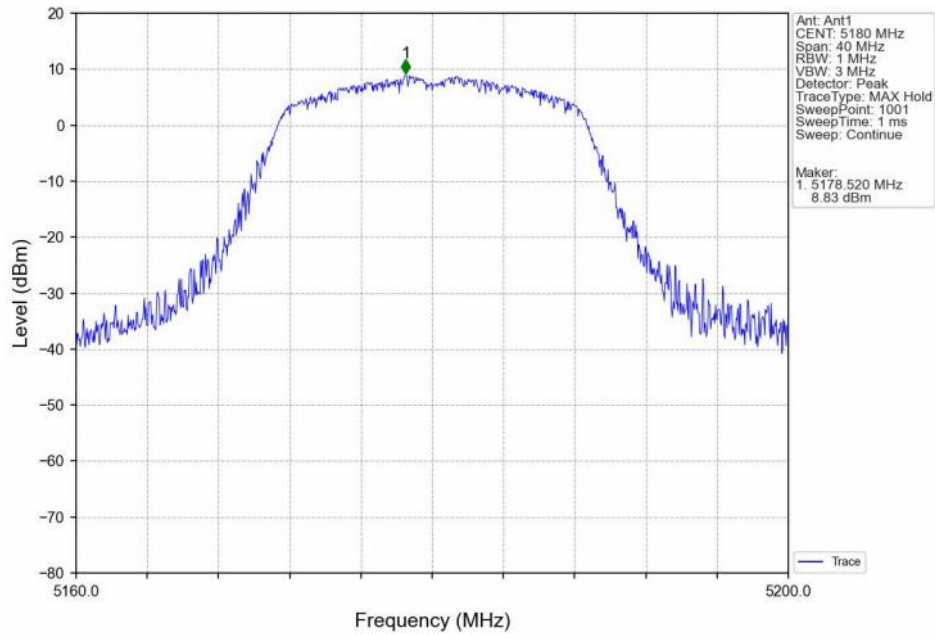


802.11a_HCH_5240MHz_Ant1_NTNV

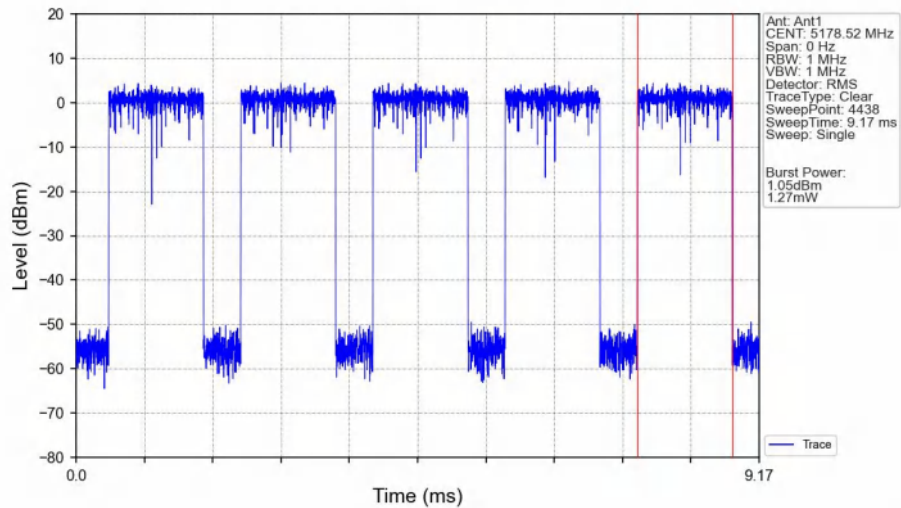


Burst No.	1	2	3	4	5
Length (ms)	1.360	1.360	1.360	1.362	1.362
Power(dBm)	0.73	0.87	0.96	1.00	1.04
Power(mW)	1.182	1.222	1.247	1.260	1.272
Remark	/	/	/	/	Max

802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

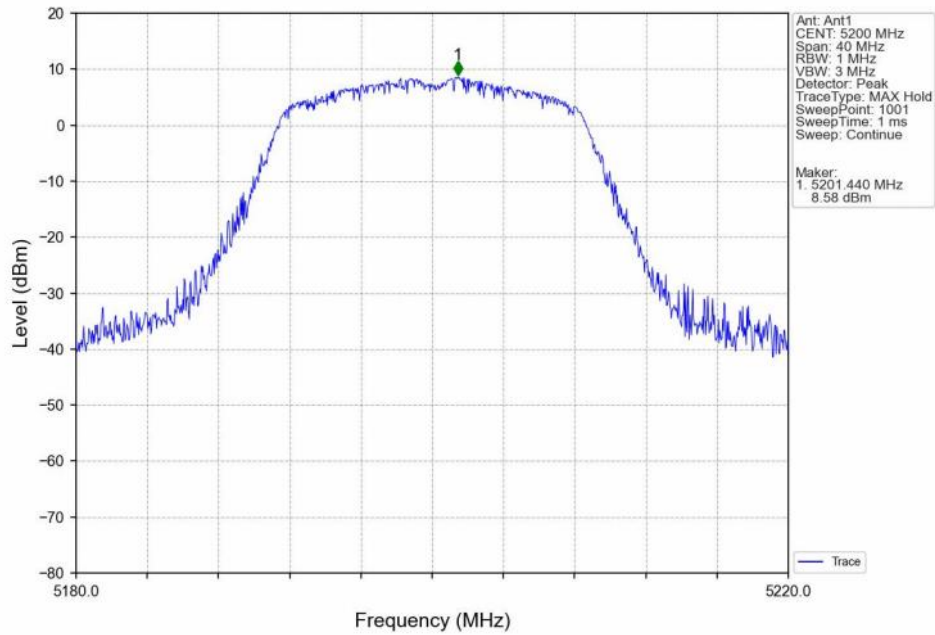


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

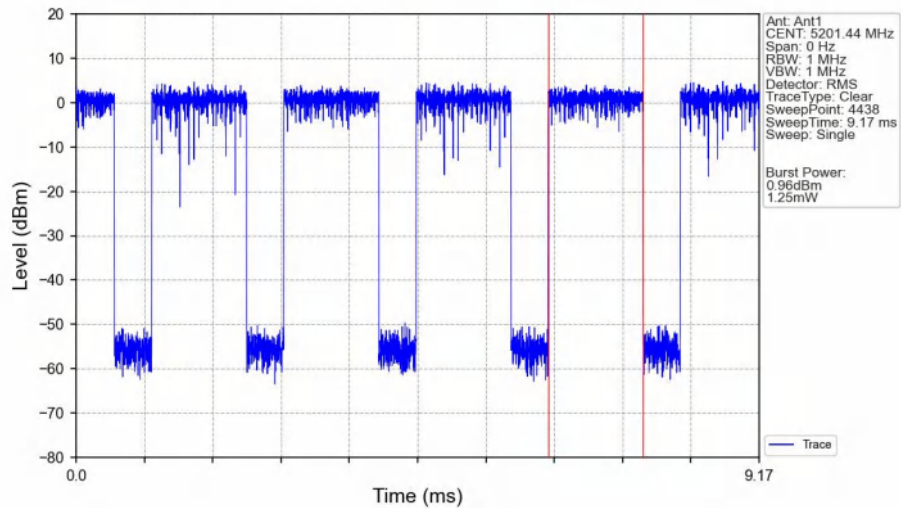


Burst No.	1	2	3	4	5
Length (ms)	1.273	1.273	1.273	1.273	1.273
Power(dBm)	0.77	0.90	0.97	1.02	1.05
Power(mW)	1.195	1.230	1.251	1.266	1.275
Remark	/	/	/	/	Max

802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

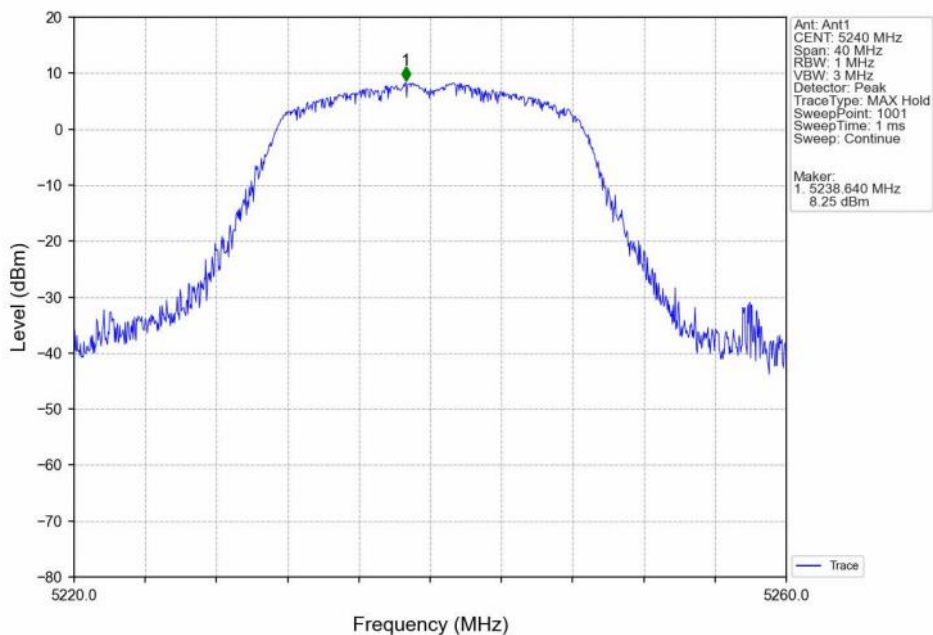


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

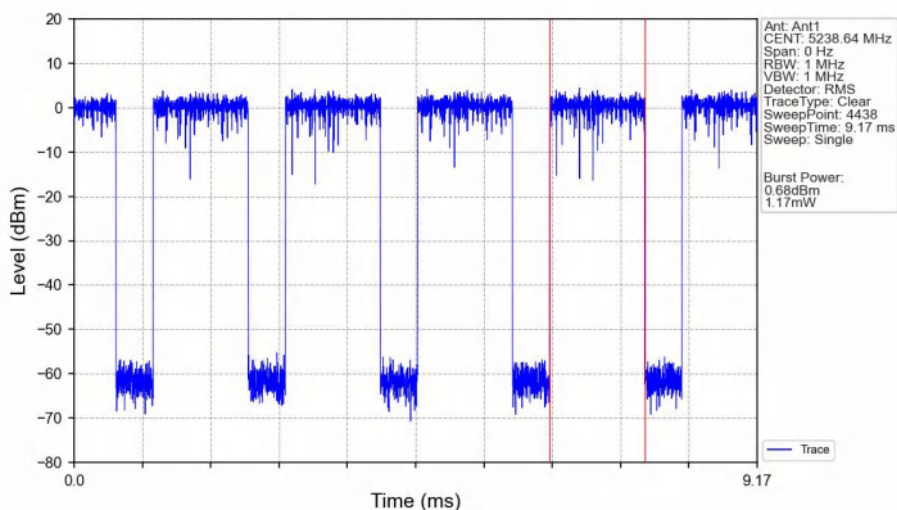


Burst No.	1	2	3	4
Length (ms)	1.273	1.273	1.273	1.273
Power(dBm)	0.73	0.85	0.92	0.96
Power(mW)	1.184	1.217	1.235	1.247
Remark	/	/	/	Max

802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



Burst No.	1	2	3	4
Length (ms)	1.273	1.273	1.273	1.273
Power(dBm)	0.42	0.54	0.62	0.68
Power(mW)	1.102	1.133	1.154	1.169
Remark	/	/	/	Max

5. Adjacent Channel Leakage Power

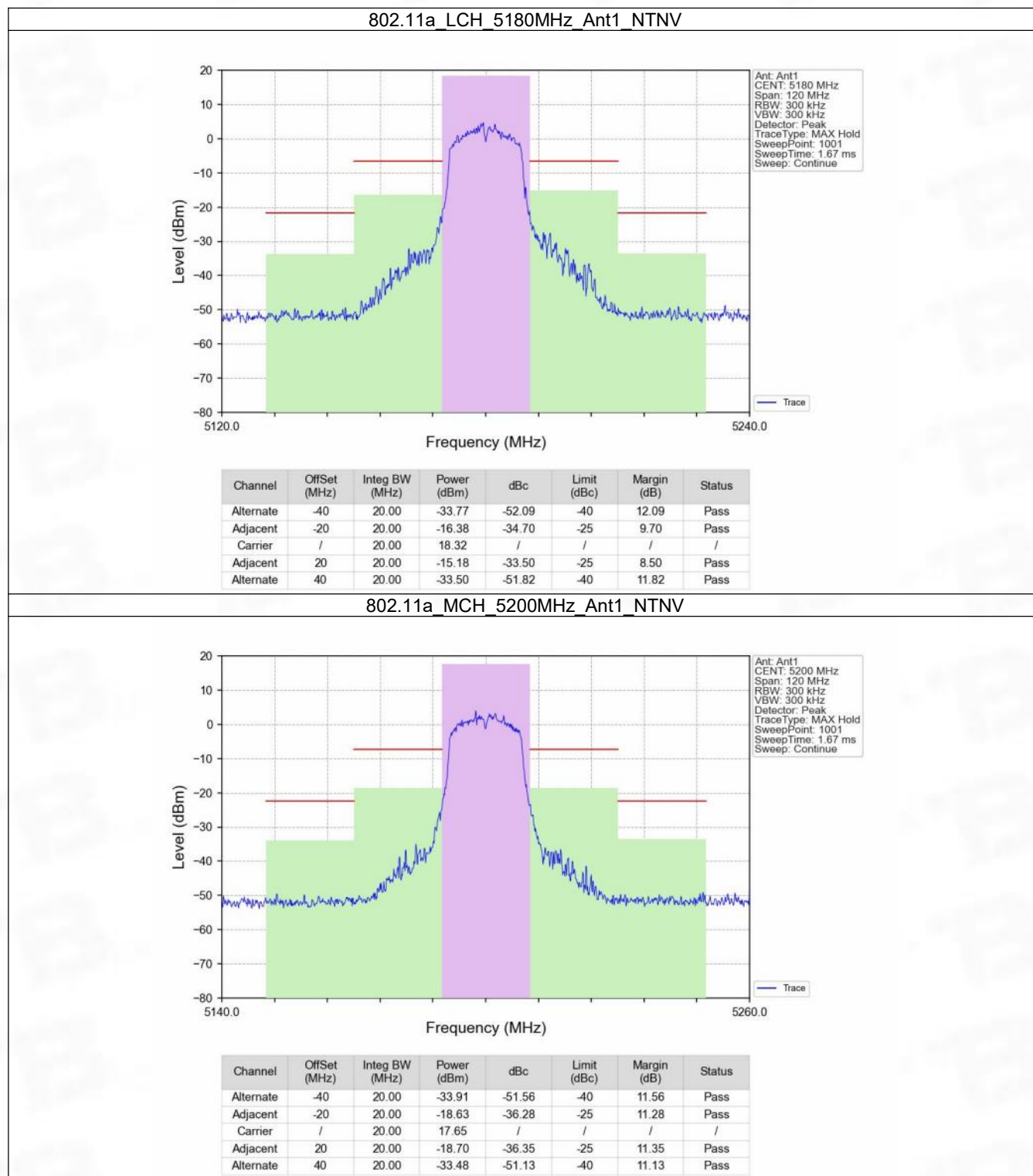
5.1 Test Result

5.1.1 ACLR_NTNV_SISO

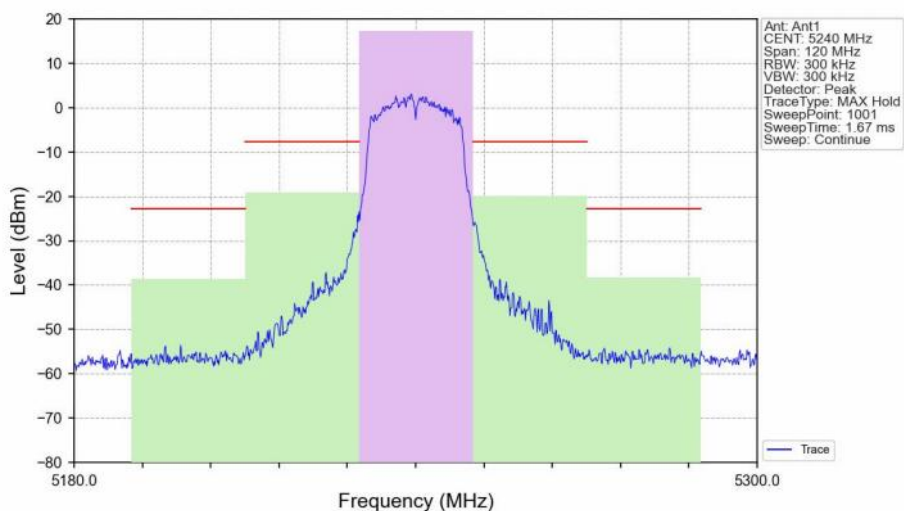
NTNV									
Mode	Tx Type	Frequency (MHz)	ANT	Offset (MHz)	Integ BW (MHz)	Power (dBm)	Result (dBc)	Limit (dBc)	Verdict
802.11a	SISO	5180	1	-40	20	-33.77	-52.09	<=-40	Pass
				-20	20	-16.38	-34.70	<=-25	Pass
				0	20	18.32	/	/	/
				20	20	-15.18	-33.50	<=-25	Pass
				40	20	-33.50	-51.82	<=-40	Pass
		5200	1	-40	20	-33.91	-51.56	<=-40	Pass
				-20	20	-18.63	-36.28	<=-25	Pass
				0	20	17.65	/	/	/
				20	20	-18.70	-36.35	<=-25	Pass
				40	20	-33.48	-51.13	<=-40	Pass
		5240	1	-40	20	-38.57	-55.85	<=-40	Pass
				-20	20	-19.17	-36.45	<=-25	Pass
0	20			17.28	/	/	/		
20	20			-19.87	-37.15	<=-25	Pass		
40	20			-38.33	-55.61	<=-40	Pass		
802.11n (HT20)	SISO	5180	1	-40	20	-33.90	-51.36	<=-40	Pass
				-20	20	-16.72	-34.18	<=-25	Pass
				0	20	17.46	/	/	/
				20	20	-17.86	-35.32	<=-25	Pass
				40	20	-33.52	-50.98	<=-40	Pass
		5200	1	-40	20	-34.01	-51.41	<=-40	Pass
				-20	20	-17.96	-35.36	<=-25	Pass
				0	20	17.40	/	/	/
				20	20	-17.87	-35.27	<=-25	Pass
				40	20	-33.47	-50.87	<=-40	Pass
		5240	1	-40	20	-38.56	-55.61	<=-40	Pass
				-20	20	-17.54	-34.59	<=-25	Pass
0	20			17.05	/	/	/		
20	20			-18.85	-35.90	<=-25	Pass		
40	20			-38.29	-55.34	<=-40	Pass		

5.2 Test Graph

5.2.1 ACLR_NTNV_SISO

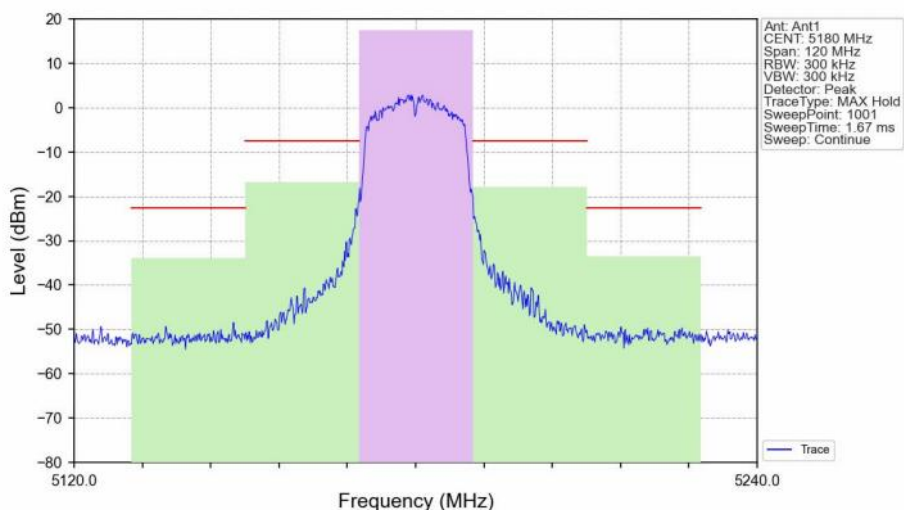


802.11a_HCH_5240MHz_Ant1_NTNV



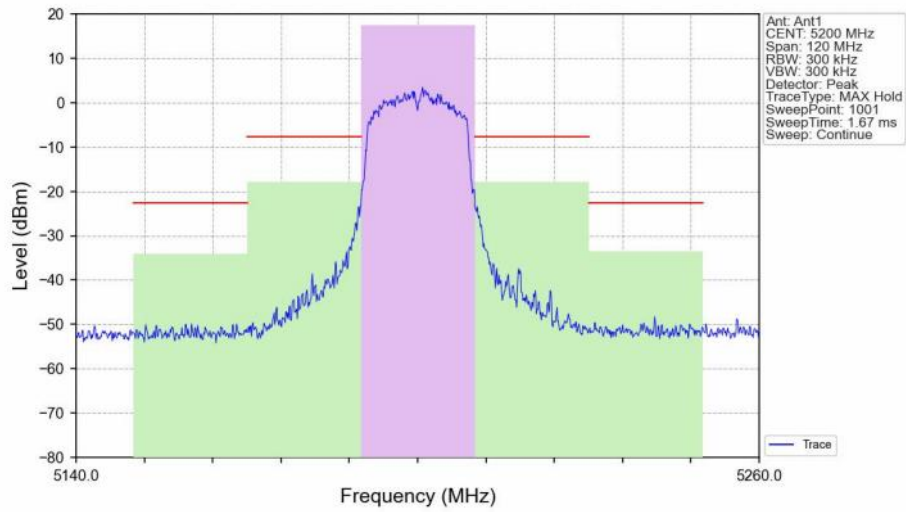
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	20.00	-38.57	-55.85	-40	15.85	Pass
Adjacent	-20	20.00	-19.17	-36.45	-25	11.45	Pass
Carrier	/	20.00	17.28	/	/	/	/
Adjacent	20	20.00	-19.87	-37.15	-25	12.15	Pass
Alternate	40	20.00	-38.33	-55.61	-40	15.61	Pass

802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



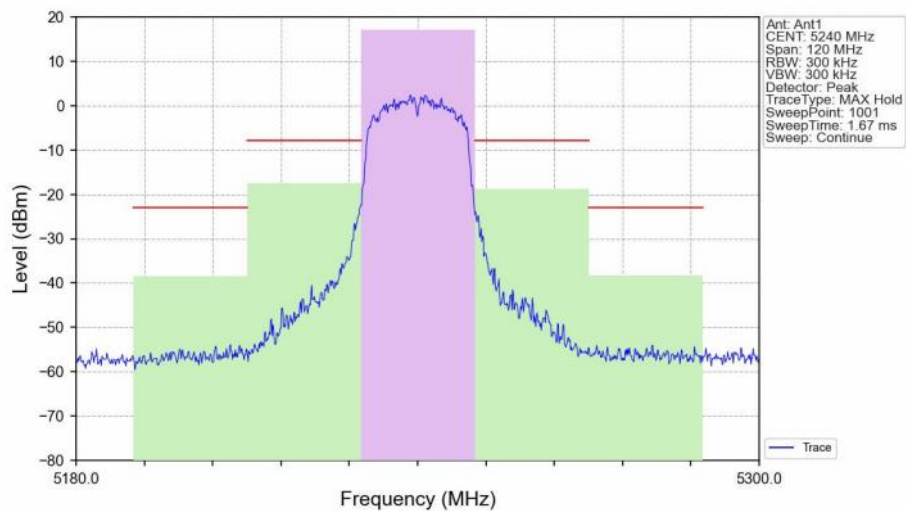
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	20.00	-33.90	-51.36	-40	11.36	Pass
Adjacent	-20	20.00	-16.72	-34.18	-25	9.18	Pass
Carrier	/	20.00	17.46	/	/	/	/
Adjacent	20	20.00	-17.86	-35.32	-25	10.32	Pass
Alternate	40	20.00	-33.52	-50.98	-40	10.98	Pass

802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	20.00	-34.01	-51.41	-40	11.41	Pass
Adjacent	-20	20.00	-17.96	-35.36	-25	10.36	Pass
Carrier	/	20.00	17.40	/	/	/	/
Adjacent	20	20.00	-17.87	-35.27	-25	10.27	Pass
Alternate	40	20.00	-33.47	-50.87	-40	10.87	Pass

802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	20.00	-38.56	-55.61	-40	15.61	Pass
Adjacent	-20	20.00	-17.54	-34.59	-25	9.59	Pass
Carrier	/	20.00	17.05	/	/	/	/
Adjacent	20	20.00	-18.85	-35.90	-25	10.90	Pass
Alternate	40	20.00	-38.29	-55.34	-40	15.34	Pass

6. Out Of Bands Leakage Power

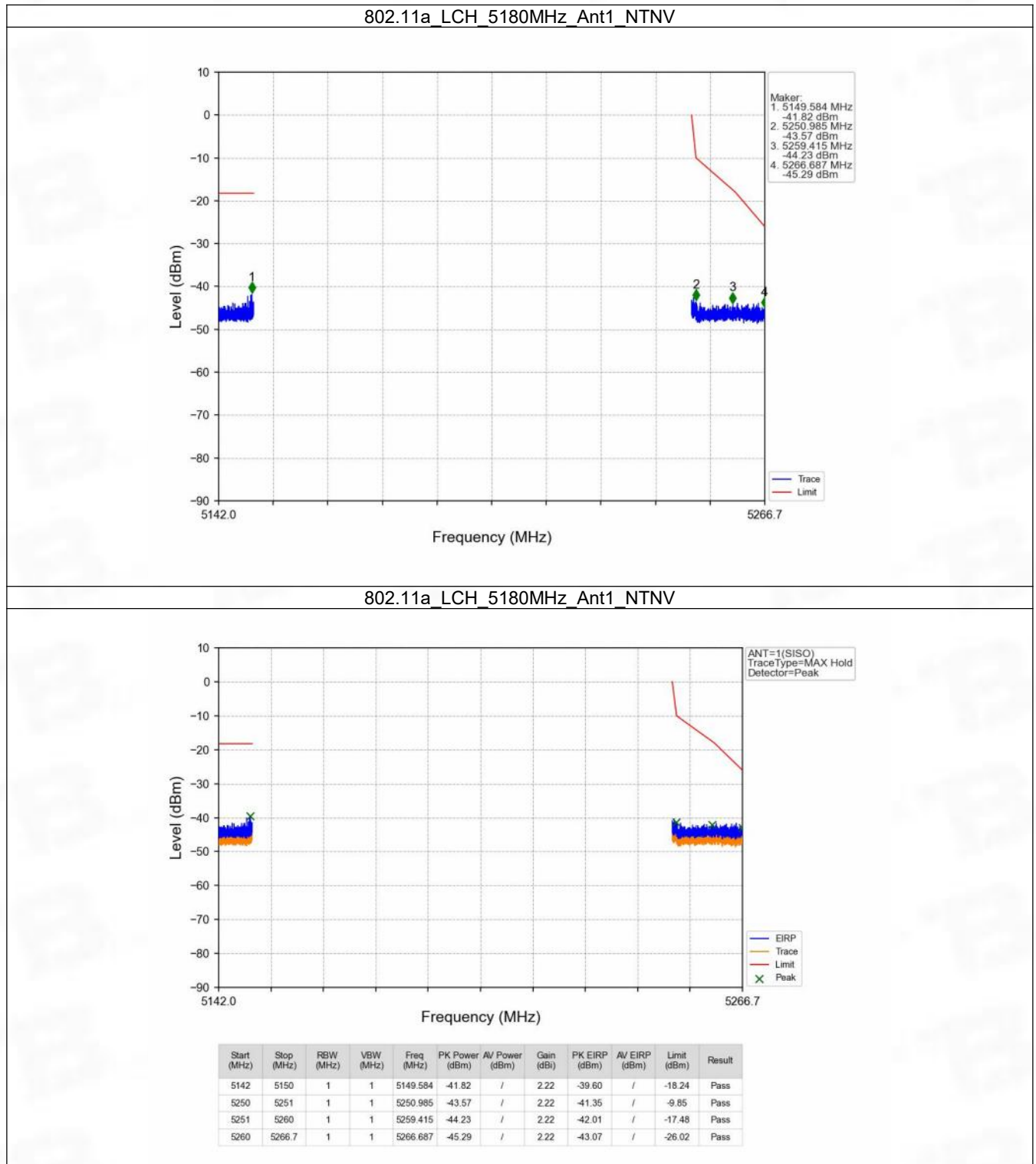
6.1 Test Result

6.1.1 OOB_NTNV_SISO

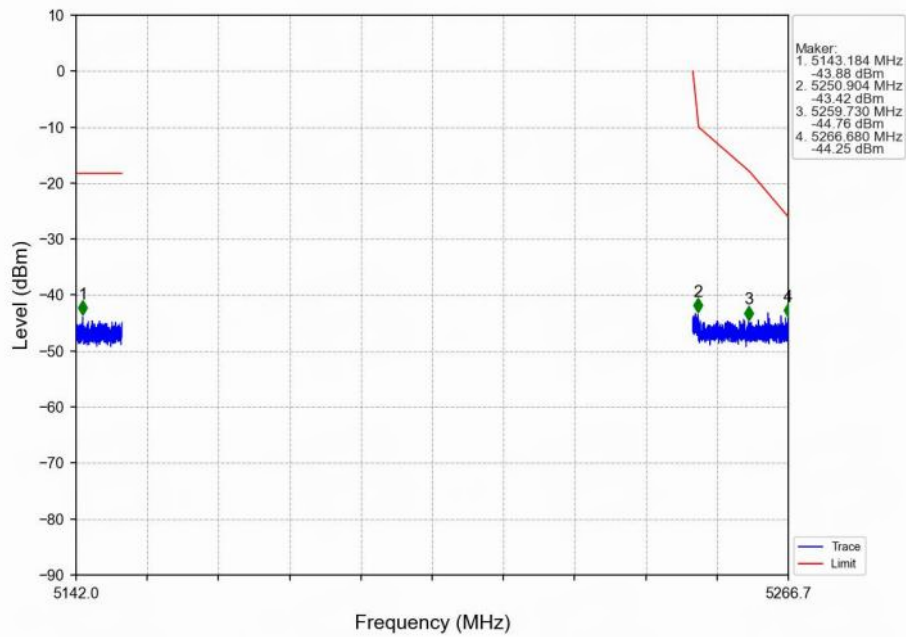
NTNV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK EIRP (dBm /MHz)	PK EIRP (uW /MHz)	AV EIRP (dBm /MHz)	AV EIRP (uW /MHz)		
802.11a	SISO	5180	1	5142	5150	5149.584	-39.60	0.110	/	/	15	Pass
				5250	5251	5250.985	-41.35	0.073	/	/	103.514	Pass
				5251	5260	5259.415	-42.01	0.063	/	/	17.865	Pass
				5260	5266.7	5266.687	-43.07	0.049	/	/	2.498	Pass
		5200	1	5142	5150	5143.184	-41.66	0.068	/	/	15	Pass
				5250	5251	5250.904	-41.20	0.076	/	/	124.738	Pass
				5251	5260	5259.73	-42.54	0.056	/	/	16.749	Pass
				5260	5266.7	5266.68	-42.03	0.063	/	/	2.503	Pass
		5240	1	5142	5150	5142.08	-47.56	0.018	/	/	15	Pass
				5250	5251	5250.976	-15.51	28.119	/	/	105.682	Pass
				5251	5260	5251.018	-16.72	21.281	/	/	99.632	Pass
				5260	5266.7	5263.256	-32.69	0.538	/	/	6.446	Pass
802.11n (HT20)	SISO	5180	1	5142	5150	5144.384	-41.79	0.066	/	/	15	Pass
				5250	5251	5250.859	-41.37	0.073	/	/	138.357	Pass
				5251	5260	5259.298	-42.16	0.061	/	/	18.298	Pass
				5260	5266.7	5266.62	-42.69	0.054	/	/	2.544	Pass
		5200	1	5142	5150	5143.328	-42.59	0.055	/	/	15	Pass
				5250	5251	5250.967	-41.66	0.068	/	/	107.895	Pass
				5251	5260	5259.244	-41.50	0.071	/	/	18.501	Pass
				5260	5266.7	5265.447	-40.88	0.082	/	/	3.519	Pass
		5240	1	5142	5150	5142.88	-45.06	0.031	/	/	15	Pass
				5250	5251	5250.983	-13.67	42.954	/	/	103.992	Pass
				5251	5260	5251.063	-15.04	31.333	/	/	98.719	Pass
				5260	5266.7	5262.821	-35.03	0.314	/	/	7.269	Pass

6.2 Test Graph

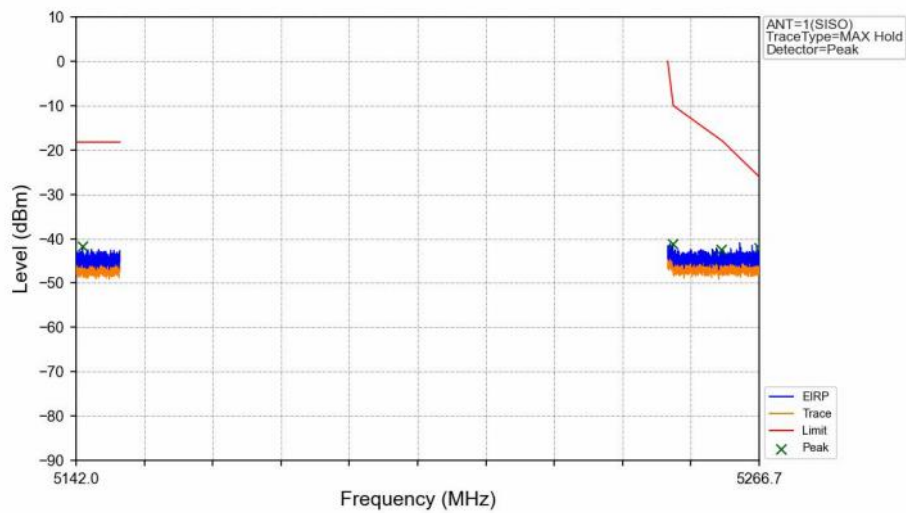
6.2.1 OOB_NTNV_SISO



802.11a_MCH_5200MHz_Ant1_NTNV

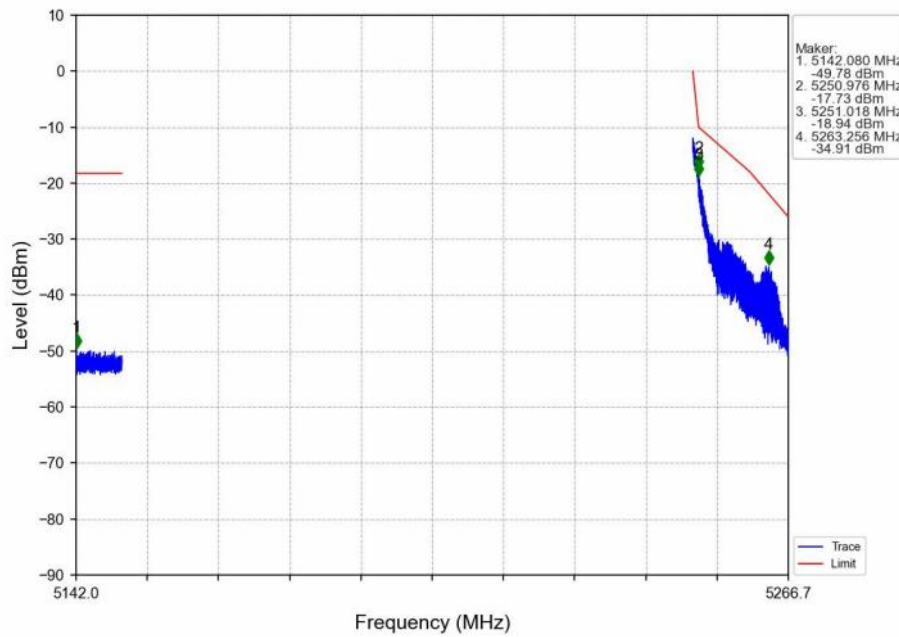


802.11a_MCH_5200MHz_Ant1_NTNV

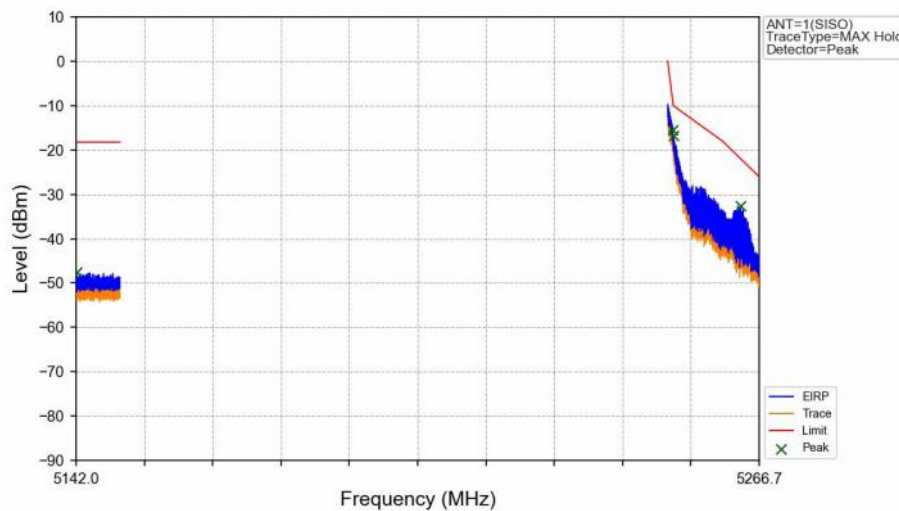


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5143.184	-43.88	/	2.22	-41.66	/	-18.24	Pass
5250	5251	1	1	5250.904	-43.42	/	2.22	-41.20	/	-9.04	Pass
5251	5260	1	1	5259.730	-44.76	/	2.22	-42.54	/	-17.76	Pass
5260	5266.7	1	1	5266.680	-44.25	/	2.22	-42.03	/	-26.02	Pass

802.11a_HCH_5240MHz_Ant1_NTNV

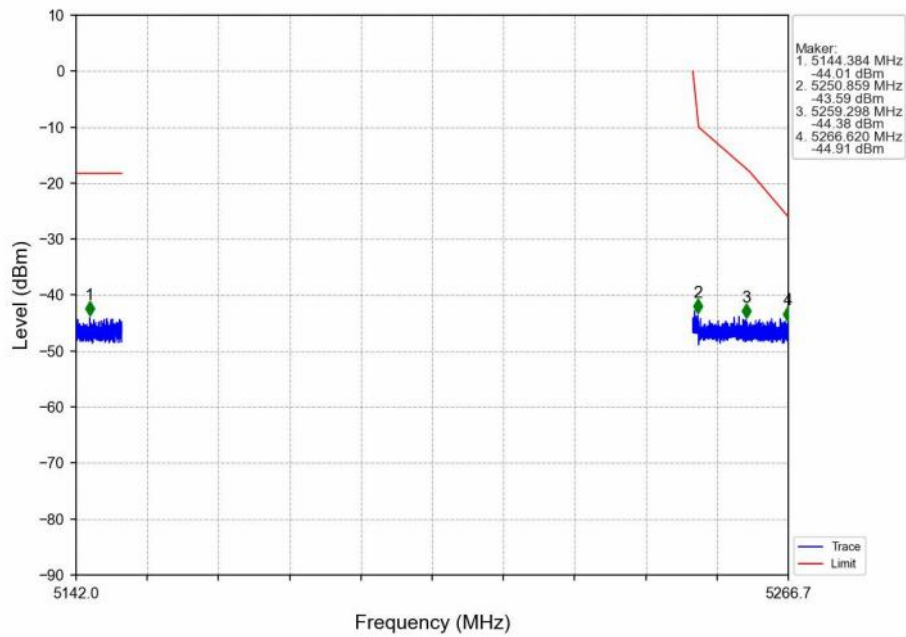


802.11a_HCH_5240MHz_Ant1_NTNV

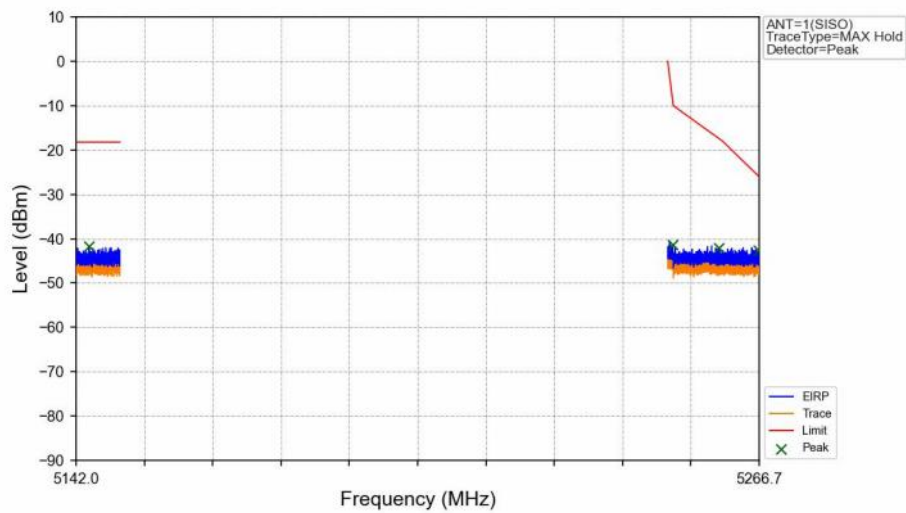


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5142.080	-49.78	/	2.22	-47.56	/	-18.24	Pass
5250	5251	1	1	5250.976	-17.73	/	2.22	-15.51	/	-9.76	Pass
5251	5260	1	1	5251.018	-18.94	/	2.22	-16.72	/	-10.02	Pass
5260	5266.7	1	1	5263.256	-34.91	/	2.22	-32.69	/	-21.91	Pass

802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

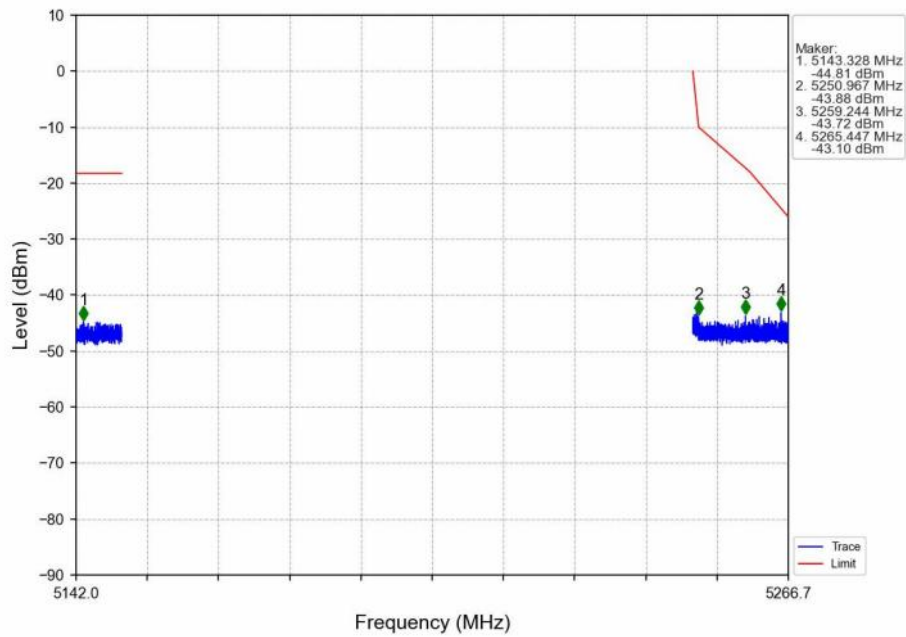


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

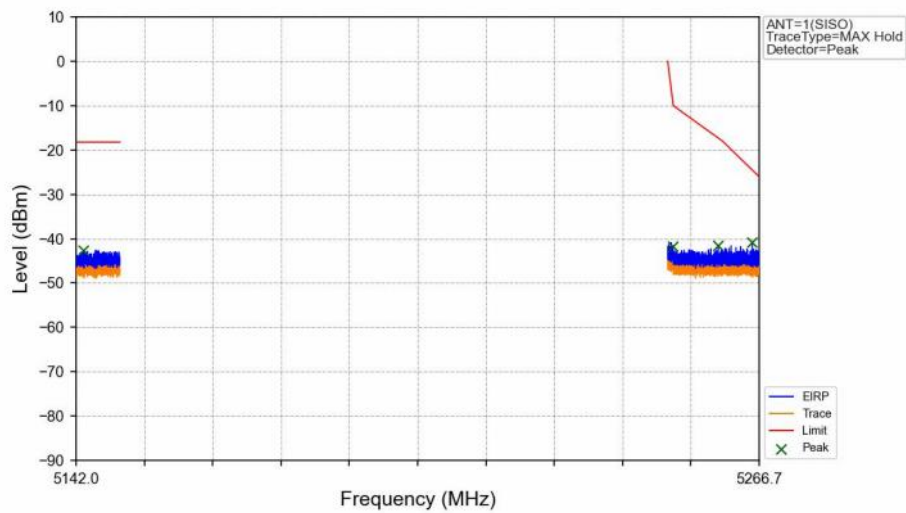


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5144.384	-44.01	/	2.22	-41.79	/	-18.24	Pass
5250	5251	1	1	5250.859	-43.59	/	2.22	-41.37	/	-8.59	Pass
5251	5260	1	1	5259.298	-44.38	/	2.22	-42.16	/	-17.38	Pass
5260	5266.7	1	1	5266.620	-44.91	/	2.22	-42.69	/	-25.94	Pass

802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

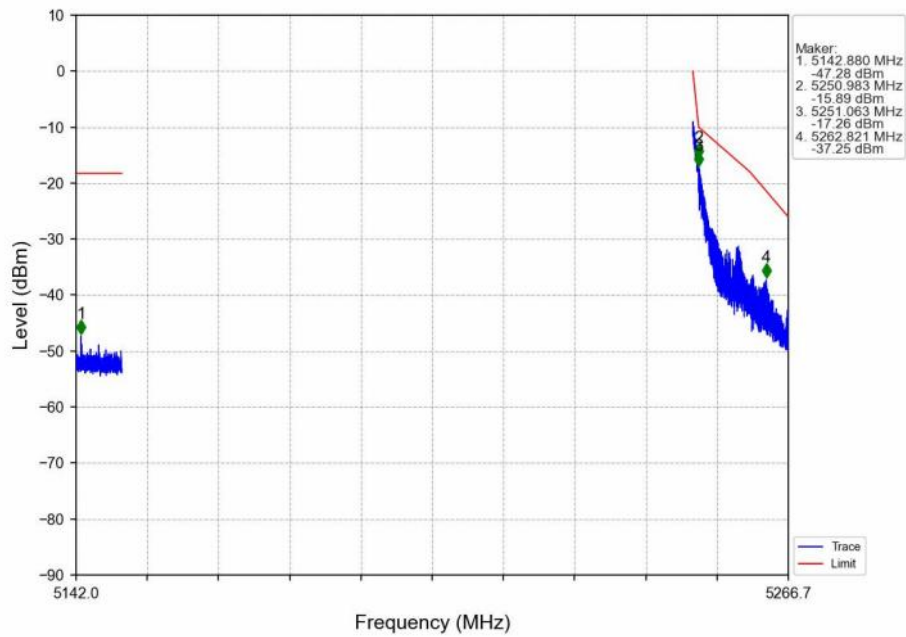


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

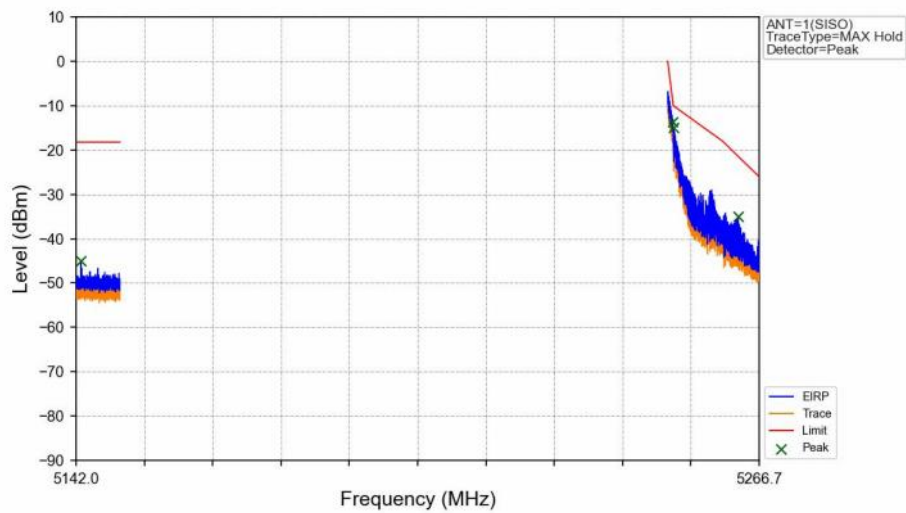


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dB)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5143.328	-44.81	/	2.22	-42.59	/	-18.24	Pass
5250	5251	1	1	5250.967	-43.88	/	2.22	-41.66	/	-9.67	Pass
5251	5260	1	1	5259.244	-43.72	/	2.22	-41.50	/	-17.33	Pass
5260	5266.7	1	1	5265.447	-43.10	/	2.22	-40.88	/	-24.54	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	5142.880	-47.28	/	2.22	-45.06	/	-18.24	Pass
5250	5251	1	1	5250.983	-15.89	/	2.22	-13.67	/	-9.83	Pass
5251	5260	1	1	5251.063	-17.26	/	2.22	-15.04	/	-10.06	Pass
5260	5266.7	1	1	5262.821	-37.25	/	2.22	-35.03	/	-21.39	Pass

7. Transmission Burst Length

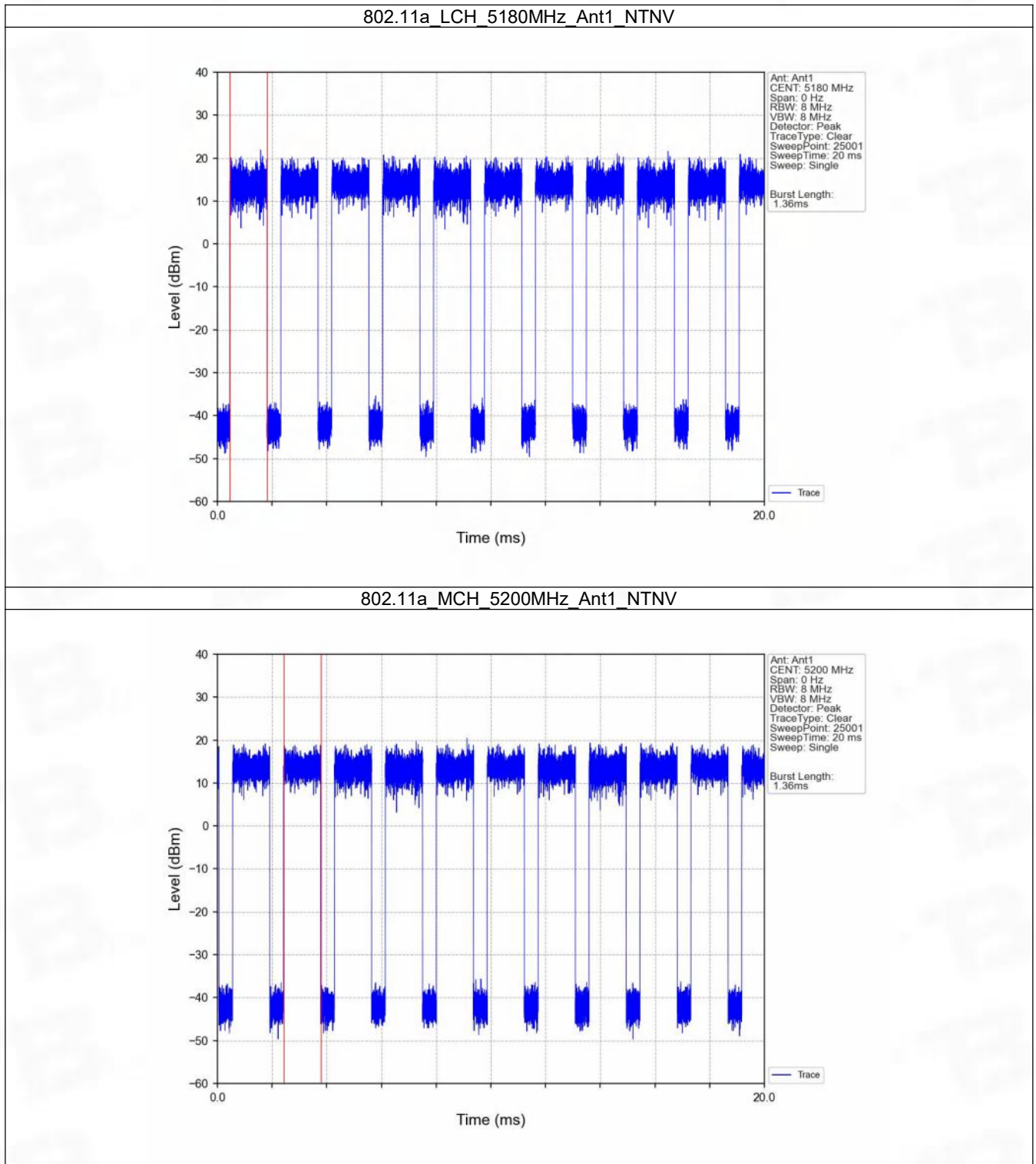
7.1 Test Result

7.1.1 Ant1_NTNV

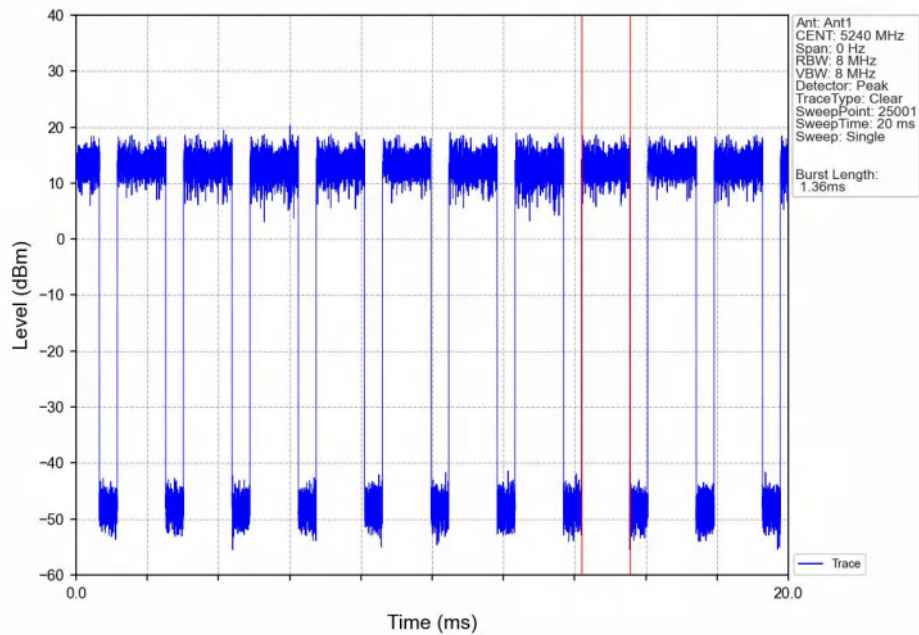
Ant1_NTNV					
Mode	TX Type	Frequency (MHz)	Burst Length (ms)		Verdict
			Result	Limit	
802.11a	SISO	5180	1.362	<=8	Pass
		5200	1.362	<=8	Pass
		5240	1.362	<=8	Pass
802.11n (HT20)	SISO	5180	1.274	<=8	Pass
		5200	1.274	<=8	Pass
		5240	1.274	<=8	Pass

7.2 Test Graph

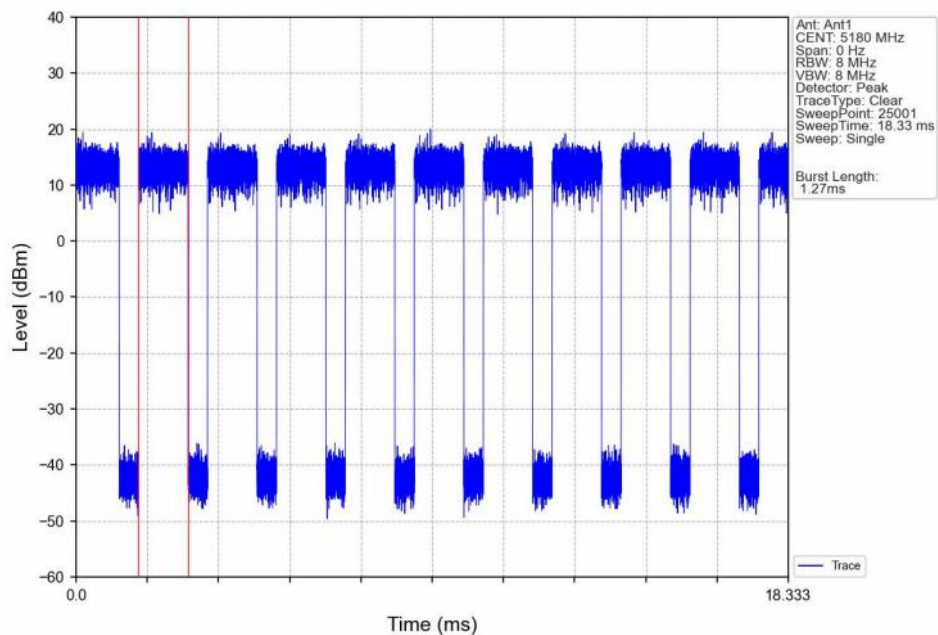
7.2.1 Ant1_NTNV



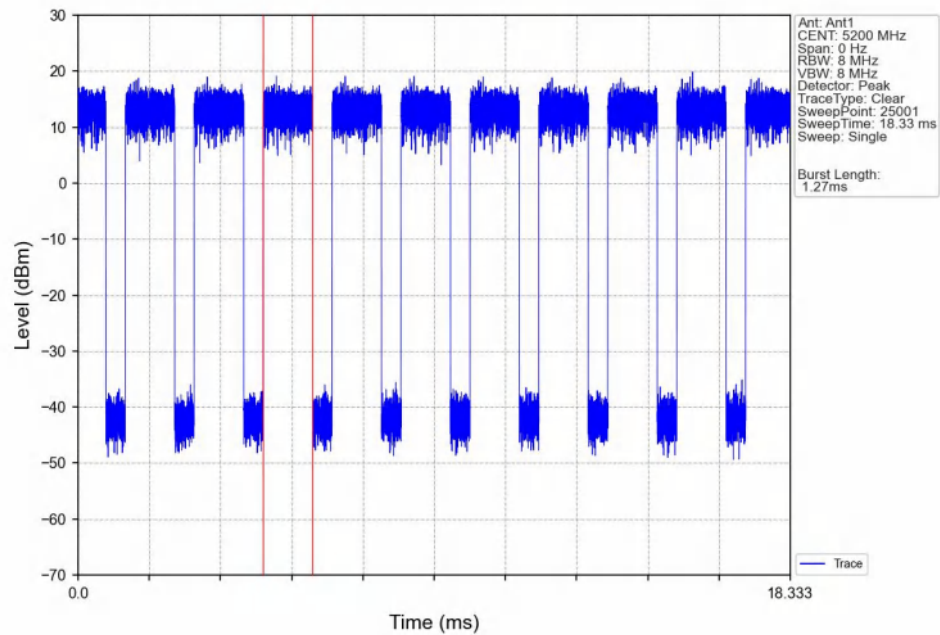
802.11a_HCH_5240MHz_Ant1_NTNV



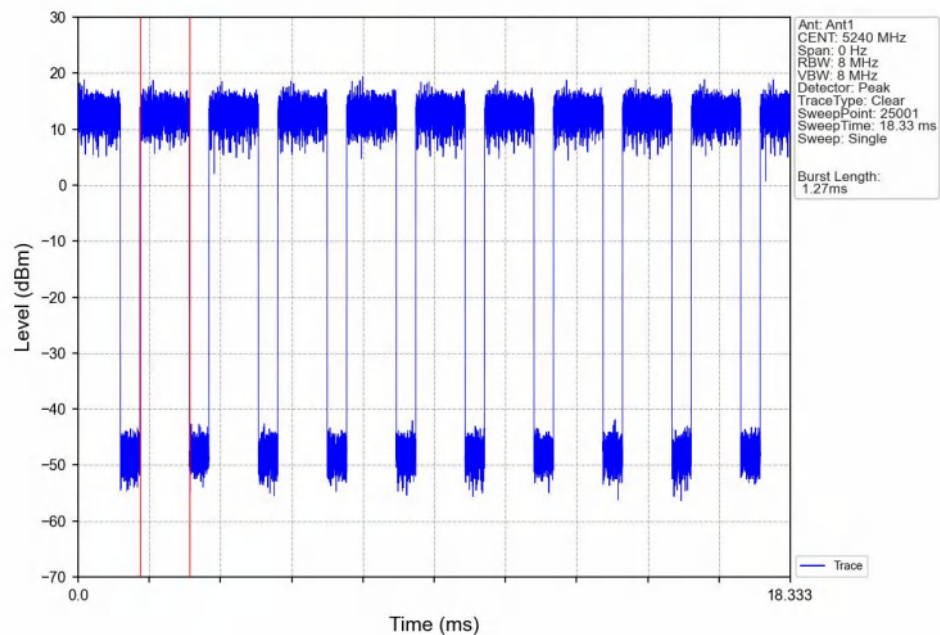
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



8. Spurious Emission Intensity

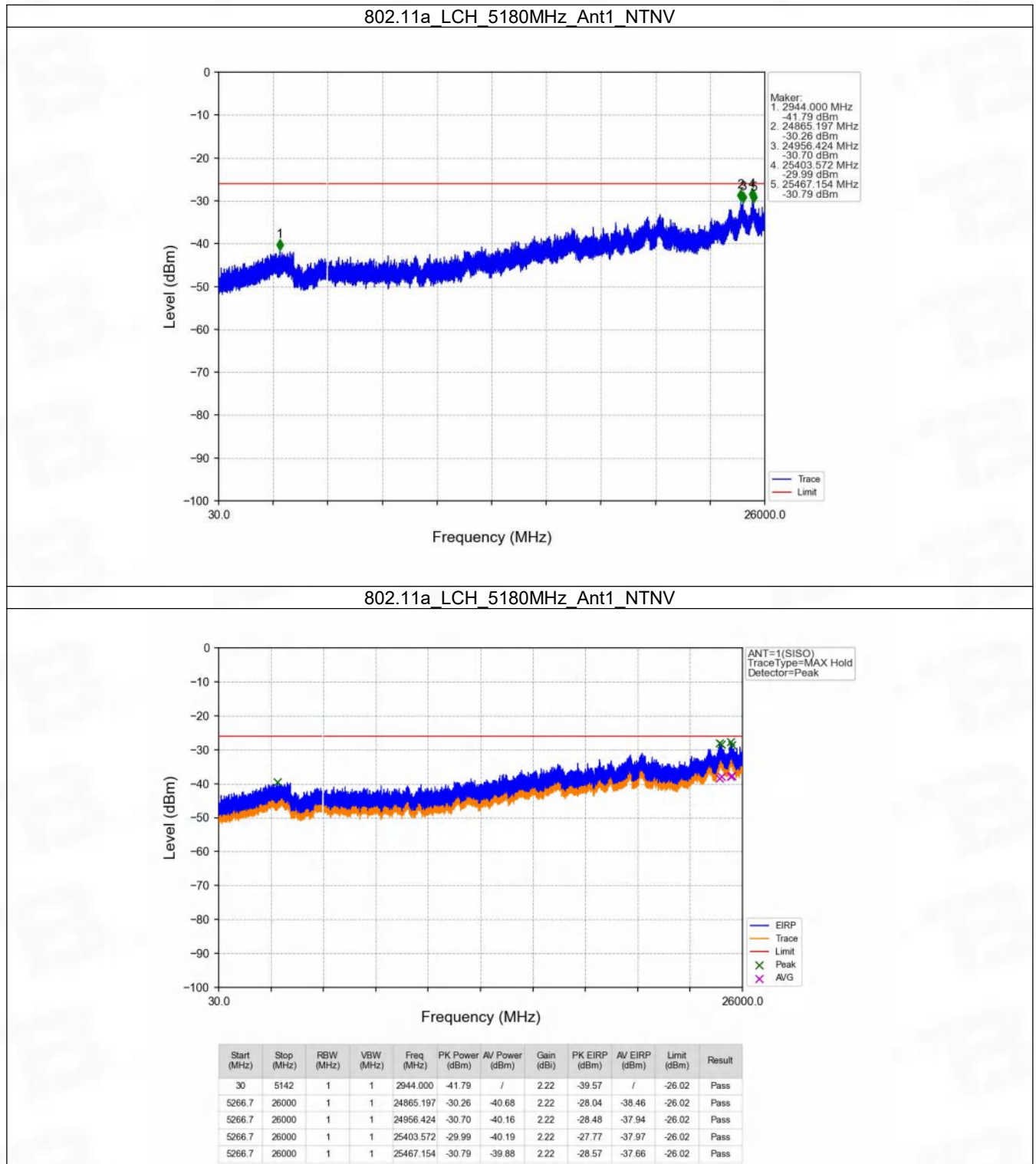
8.1 Test Result

8.1.1 TxSe_NTNV_SISO

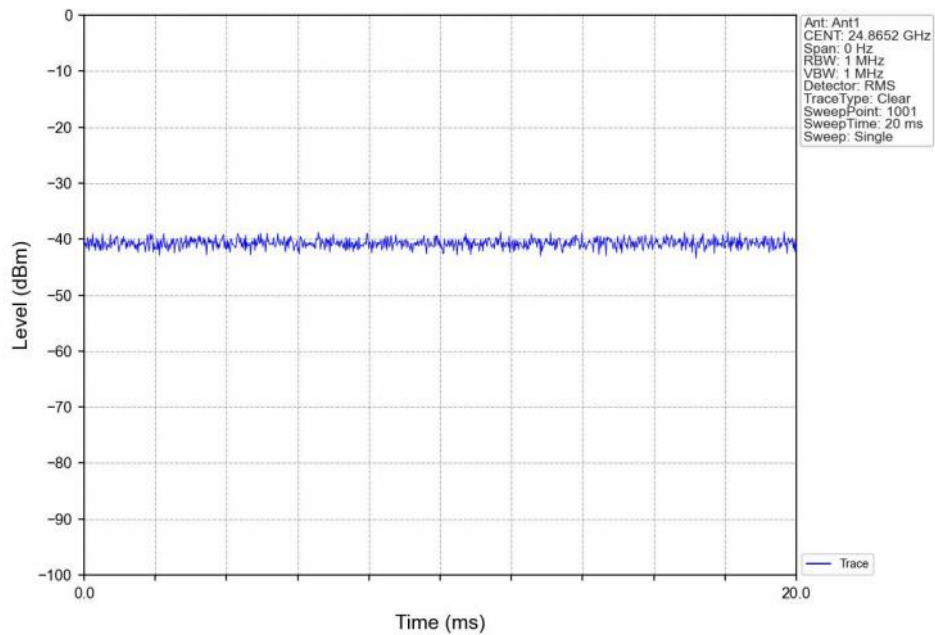
NTNV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK EIRP (dBm /MHz)	PK EIRP (uW /MHz)	AV EIRP (dBm /MHz)	AV EIRP (uW /MHz)		
802.11a	SISO	5180	1	30	5142	2944	-39.57	0.110	/	/	2.5	Pass
				5266.7	26000	24865.197	-28.04	1.570	-38.46	0.143	2.5	Pass
						24956.424	-28.48	1.419	-37.94	0.161	2.5	Pass
						25403.572	-27.77	1.671	-37.97	0.160	2.5	Pass
						25467.154	-28.57	1.390	-37.66	0.171	2.5	Pass
		5200	1	30	5142	3057.5	-39.01	0.126	/	/	2.5	Pass
				5266.7	26000	24917.031	-28.25	1.496	-37.86	0.164	2.5	Pass
						25456.788	-27.97	1.596	-37.56	0.175	2.5	Pass
		5240	1	30	5142	3071	-45.63	0.027	/	/	2.5	Pass
				5266.7	26000	25439.51	-33.30	0.468	/	/	2.5	Pass
802.11n (HT20)	SISO	5180	1	30	5142	2762	-39.24	0.119	/	/	2.5	Pass
				5266.7	26000	24922.56	-27.63	1.726	-37.83	0.165	2.5	Pass
						24984.759	-28.73	1.340	-38.38	0.145	2.5	Pass
						25471.992	-28.30	1.479	-37.76	0.167	2.5	Pass
						25536.956	-28.15	1.531	-38.68	0.136	2.5	Pass
						25978.576	-28.12	1.542	-39.61	0.109	2.5	Pass
		5200	1	30	5142	2681	-38.55	0.140	/	/	2.5	Pass
				5266.7	26000	24842.391	-28.60	1.380	-38.86	0.130	2.5	Pass
						24924.633	-28.34	1.466	-37.79	0.166	2.5	Pass
						25392.514	-28.93	1.279	-38.14	0.153	2.5	Pass
						25468.536	-27.72	1.690	-37.72	0.169	2.5	Pass
						25542.485	-28.14	1.535	-38.85	0.130	2.5	Pass
		5240	1	30	5142	3107.5	-45.03	0.031	/	/	2.5	Pass
				5266.7	26000	24941.911	-33.84	0.413	/	/	2.5	Pass

8.2 Test Graph

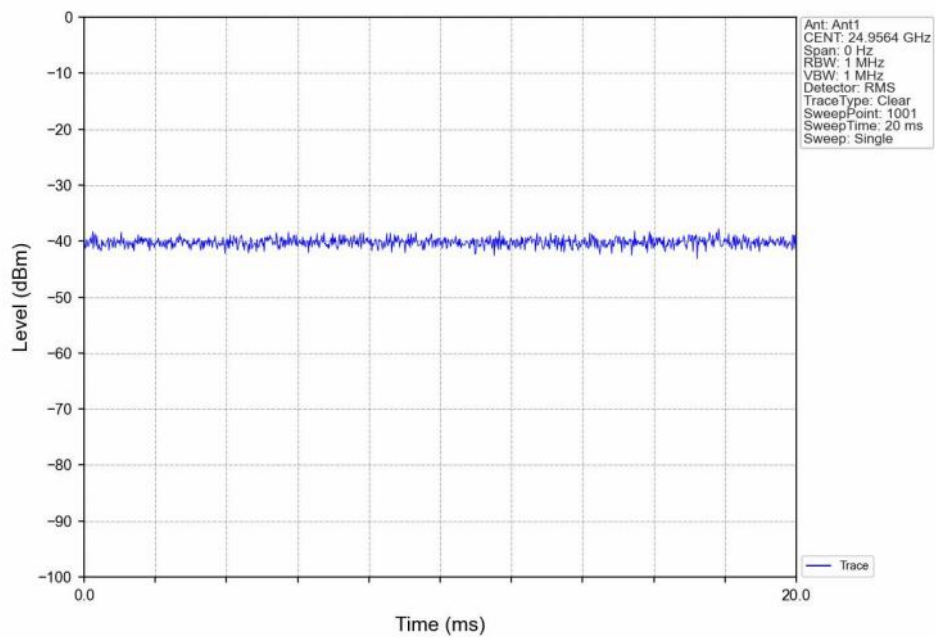
8.2.1 TxSe_NTNV_SISO



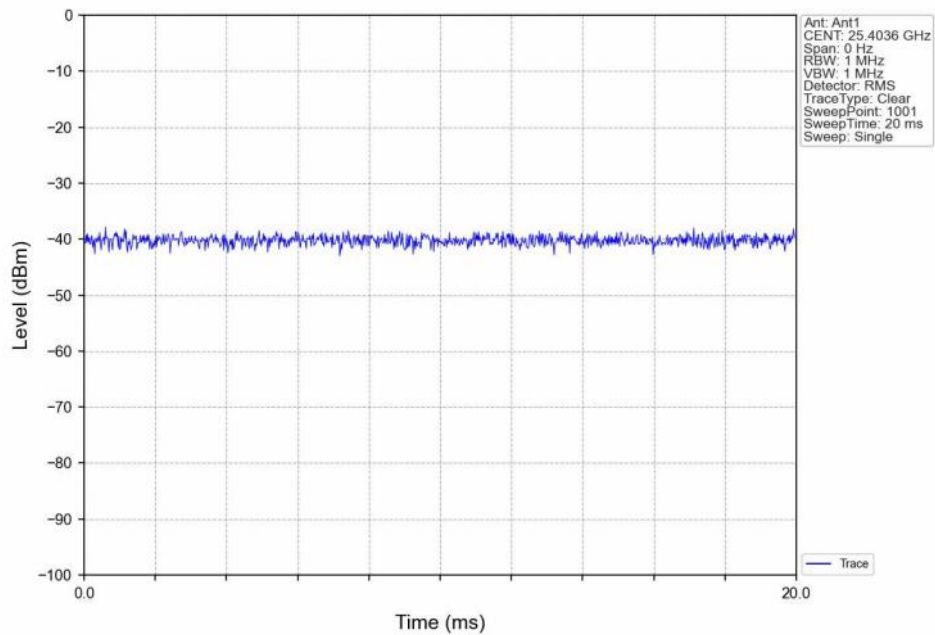
802.11a_LCH_5180MHz_Ant1_NTNV



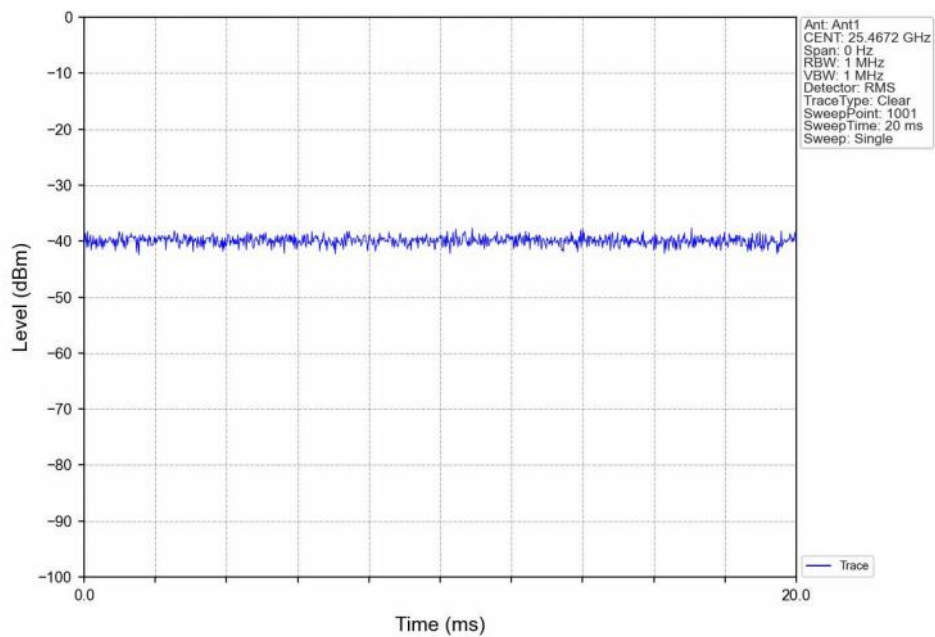
802.11a_LCH_5180MHz_Ant1_NTNV



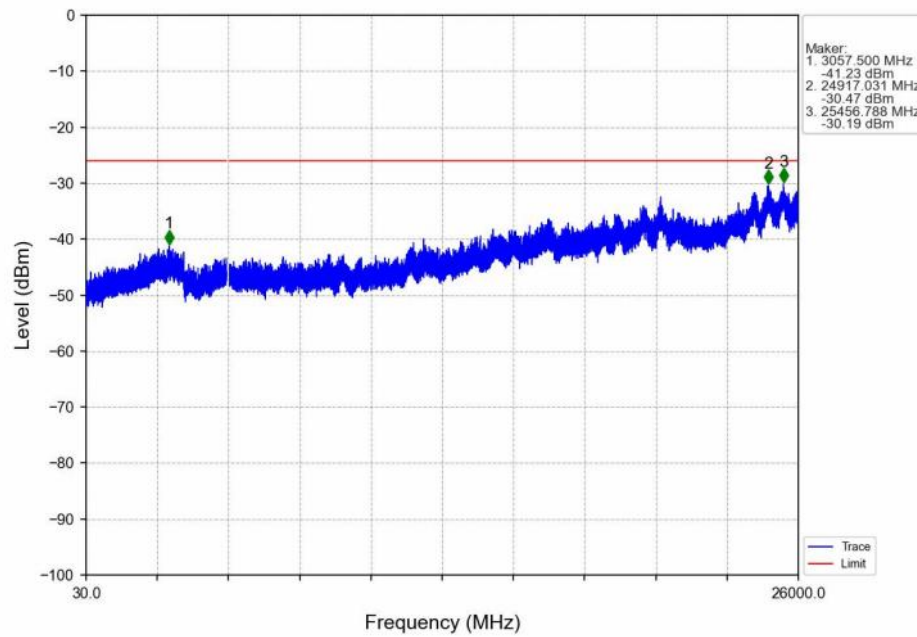
802.11a_LCH_5180MHz_Ant1_NTNV



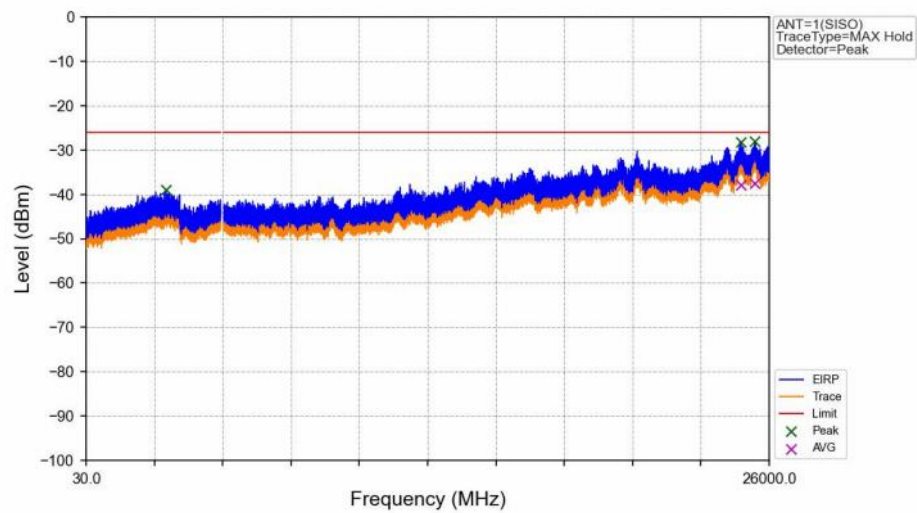
802.11a_LCH_5180MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant1_NTNV

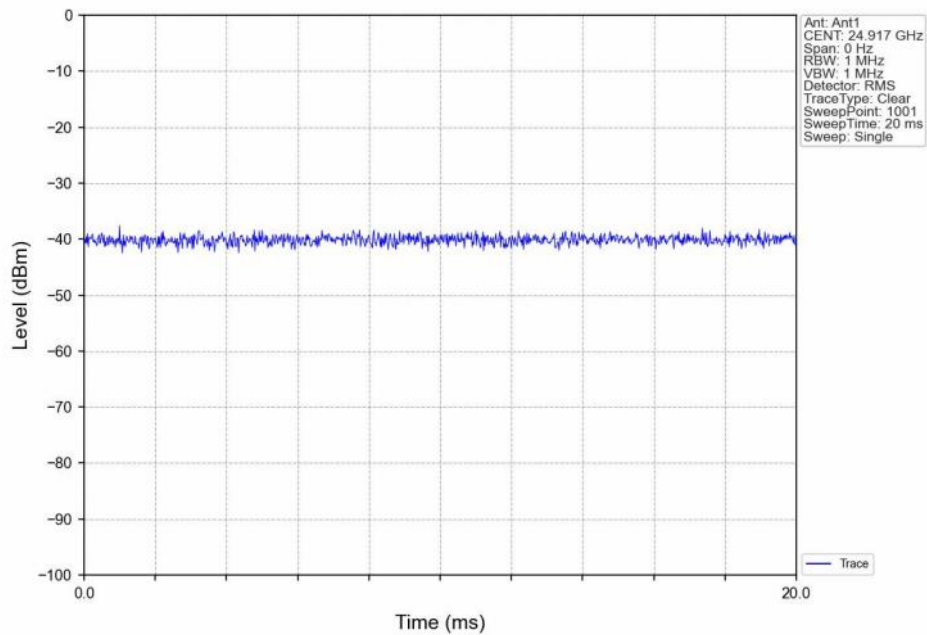


802.11a_MCH_5200MHz_Ant1_NTNV

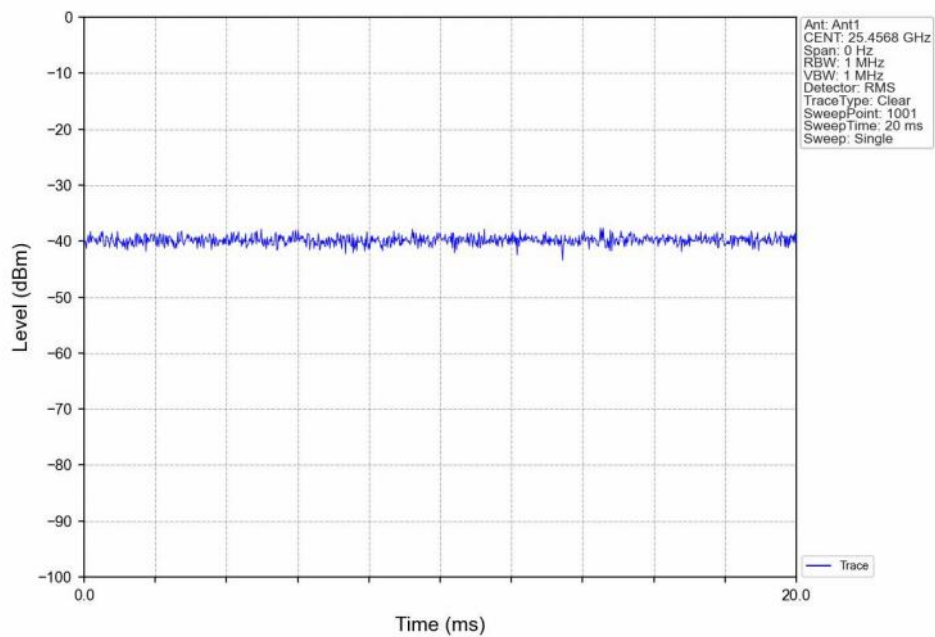


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	3057.500	-41.23	/	2.22	-39.01	/	-26.02	Pass
5266.7	26000	1	1	24917.031	-30.47	-40.08	2.22	-28.25	-37.86	-26.02	Pass
5266.7	26000	1	1	25456.788	-30.19	-39.78	2.22	-27.97	-37.56	-26.02	Pass

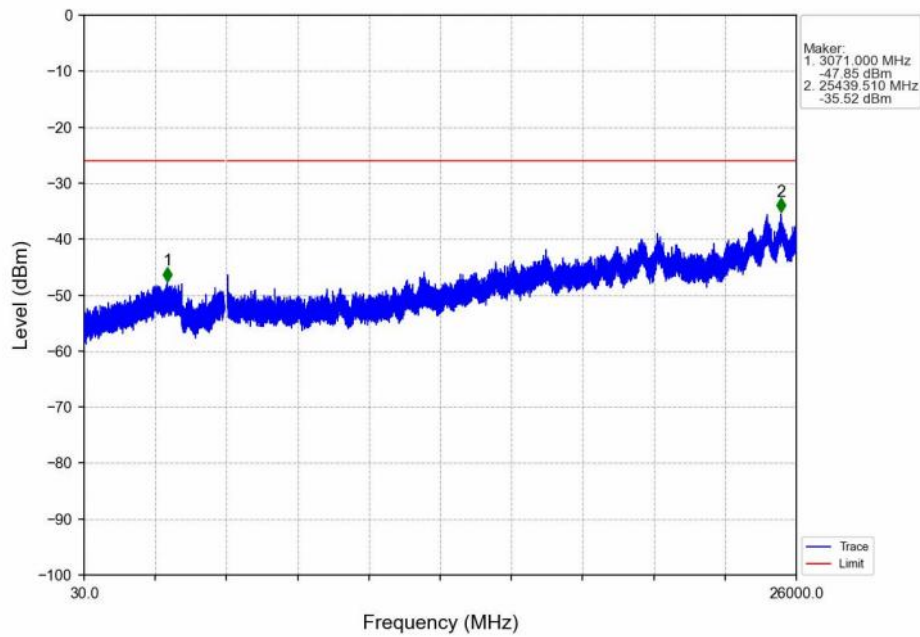
802.11a_MCH_5200MHz_Ant1_NTNV



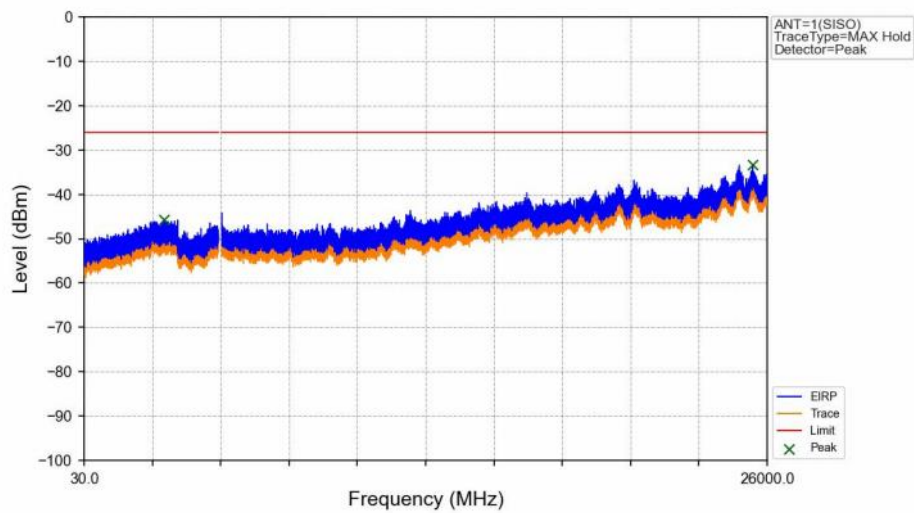
802.11a_MCH_5200MHz_Ant1_NTNV



802.11a_HCH_5240MHz_Ant1_NTNV

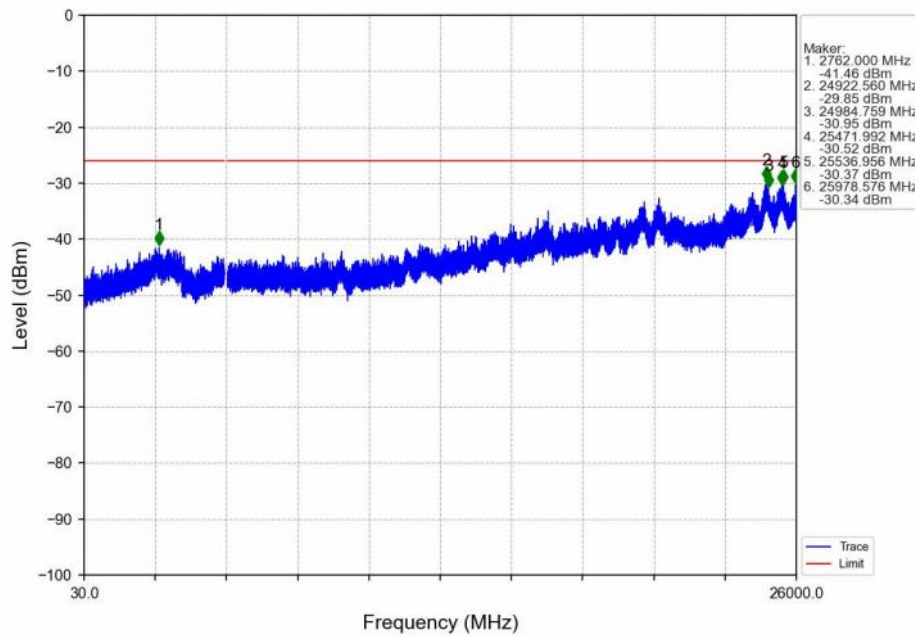


802.11a_HCH_5240MHz_Ant1_NTNV

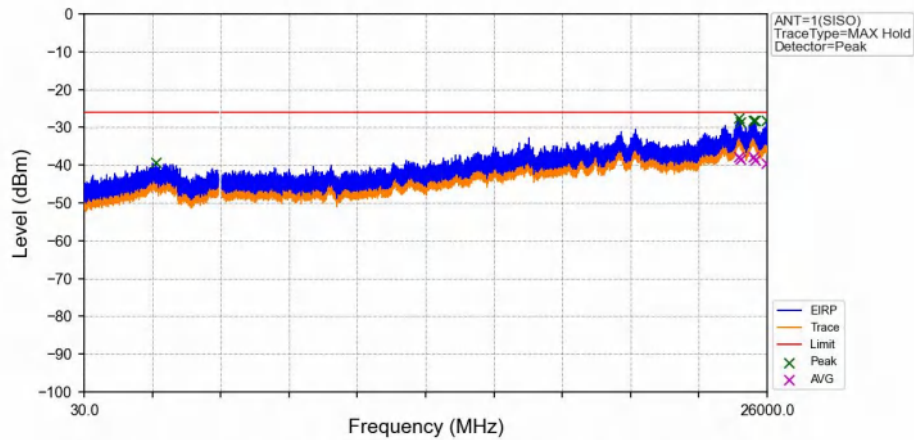


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	3071.000	-47.85	/	2.22	-45.63	/	-26.02	Pass
5266.7	26000	1	1	25439.510	-35.52	/	2.22	-33.30	/	-26.02	Pass

802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

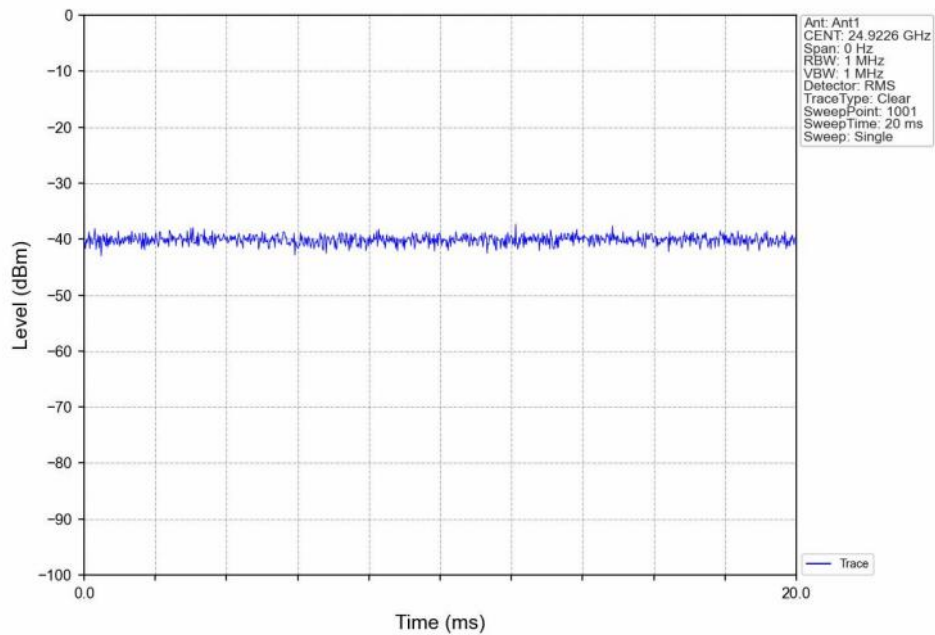


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

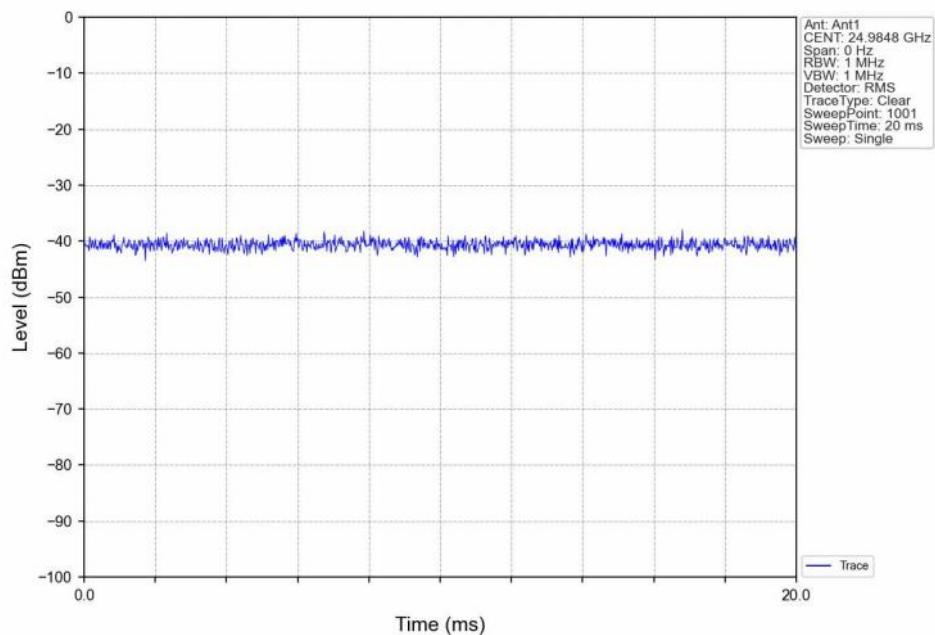


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dB)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	2762.000	-41.46	/	2.22	-39.24	/	-26.02	Pass
5266.7	26000	1	1	24922.560	-29.85	-40.05	2.22	-27.63	-37.83	-26.02	Pass
5266.7	26000	1	1	24984.759	-30.95	-40.60	2.22	-28.73	-38.38	-26.02	Pass
5266.7	26000	1	1	25471.992	-30.52	-39.98	2.22	-28.30	-37.76	-26.02	Pass
5266.7	26000	1	1	25536.956	-30.37	-40.90	2.22	-28.15	-38.68	-26.02	Pass
5266.7	26000	1	1	25978.576	-30.34	-41.83	2.22	-28.12	-39.61	-26.02	Pass

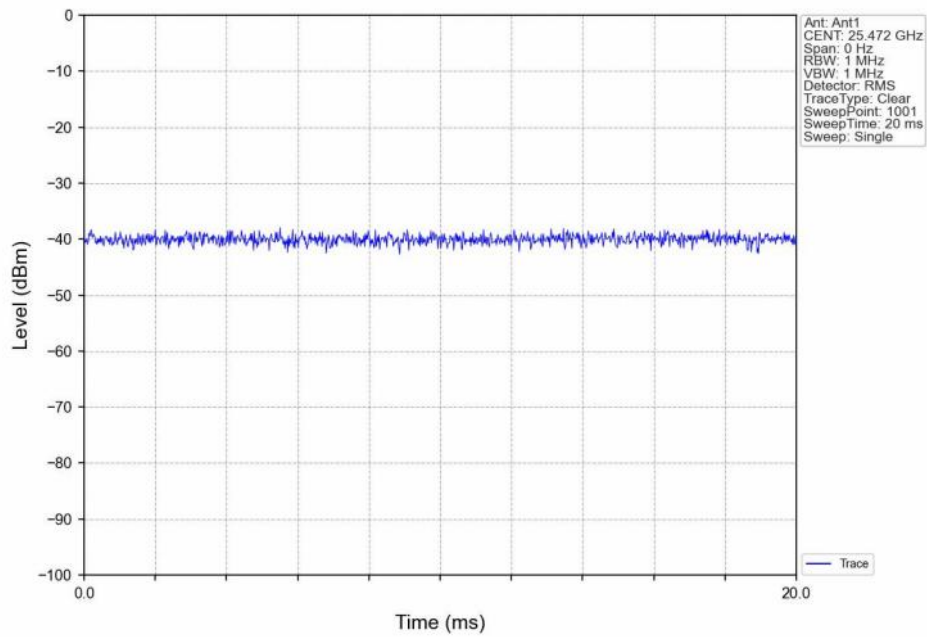
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



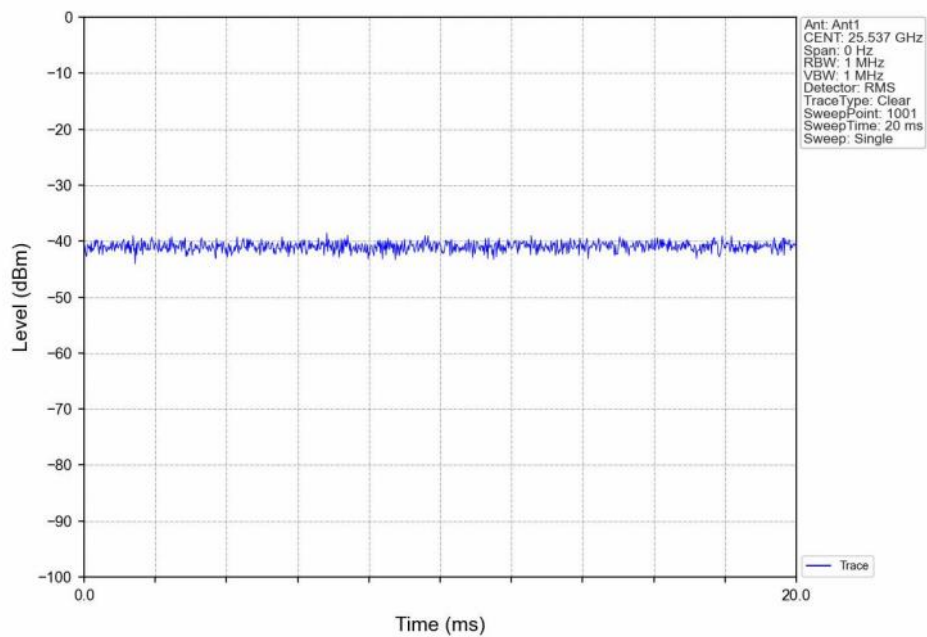
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



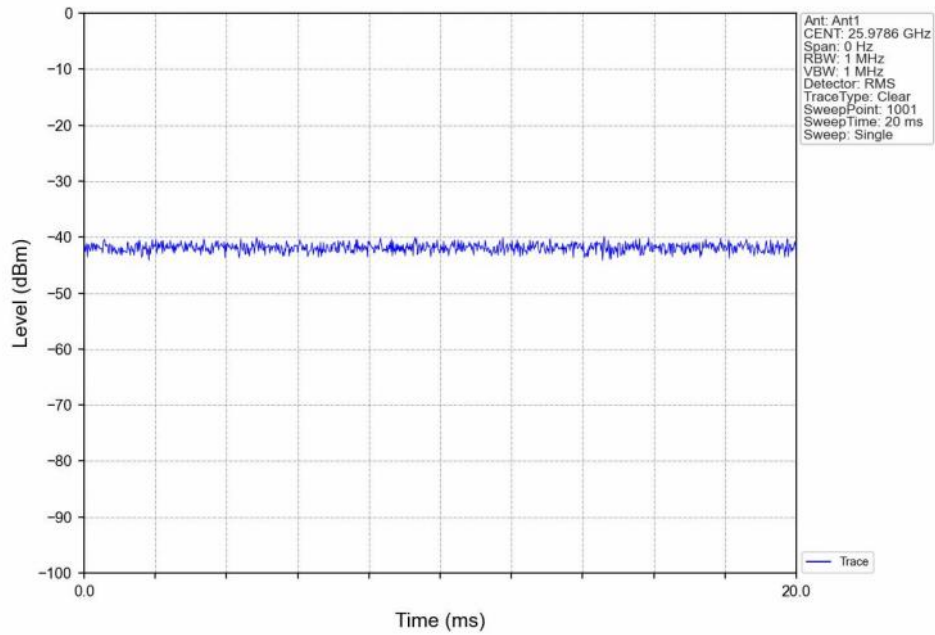
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



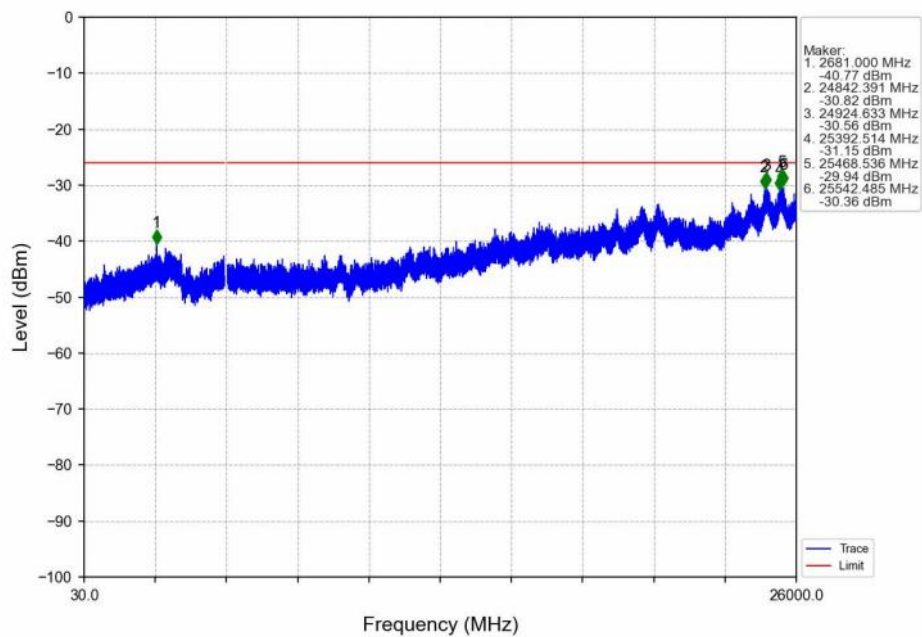
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



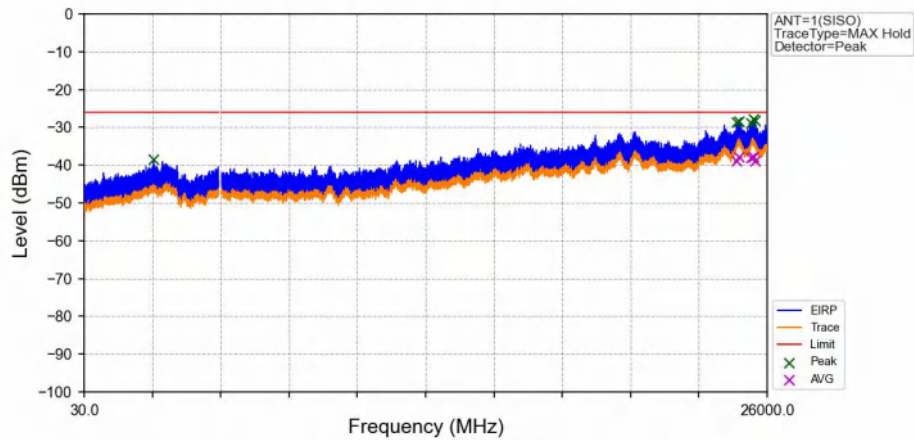
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

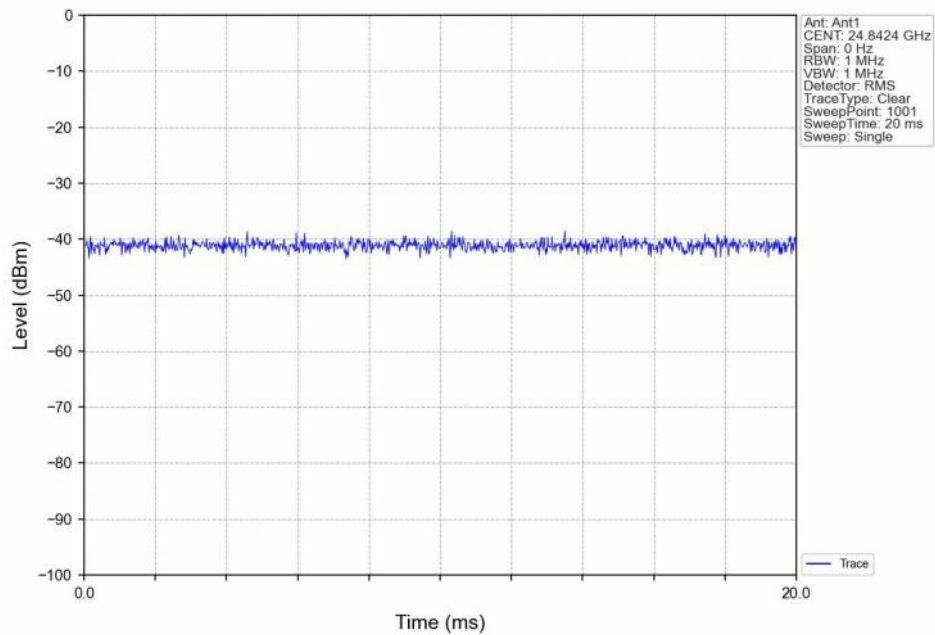


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

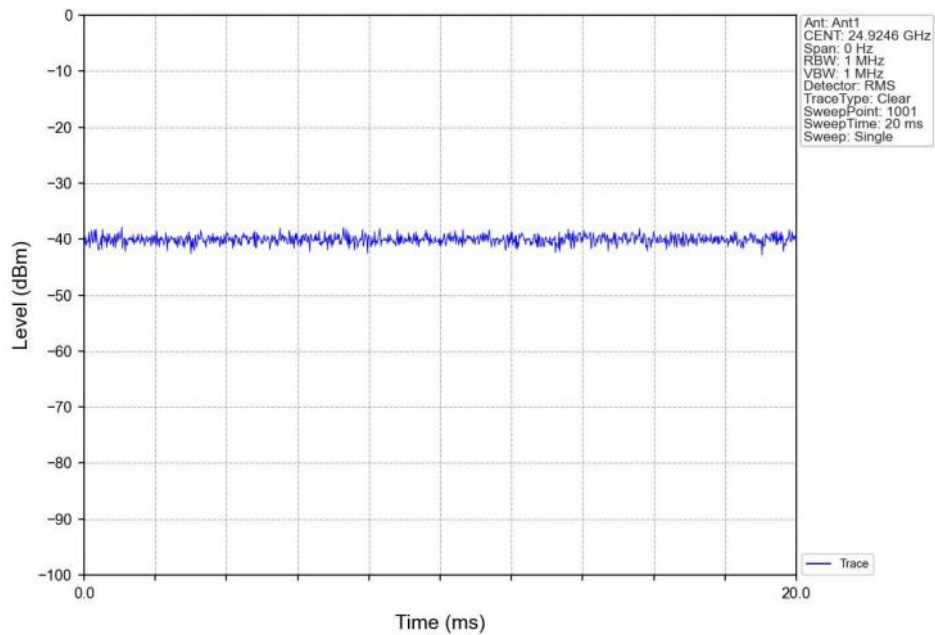


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	A/V Power (dBm)	Gain (dB)	PK EIRP (dBm)	A/V EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	2681.000	-40.77	/	2.22	-38.55	/	-26.02	Pass
5266.7	26000	1	1	24842.391	-30.82	-41.08	2.22	-28.60	-38.86	-26.02	Pass
5266.7	26000	1	1	24924.633	-30.56	-40.01	2.22	-28.34	-37.79	-26.02	Pass
5266.7	26000	1	1	25392.514	-31.15	-40.36	2.22	-28.93	-38.14	-26.02	Pass
5266.7	26000	1	1	25468.536	-29.94	-39.94	2.22	-27.72	-37.72	-26.02	Pass
5266.7	26000	1	1	25542.485	-30.36	-41.07	2.22	-28.14	-38.85	-26.02	Pass

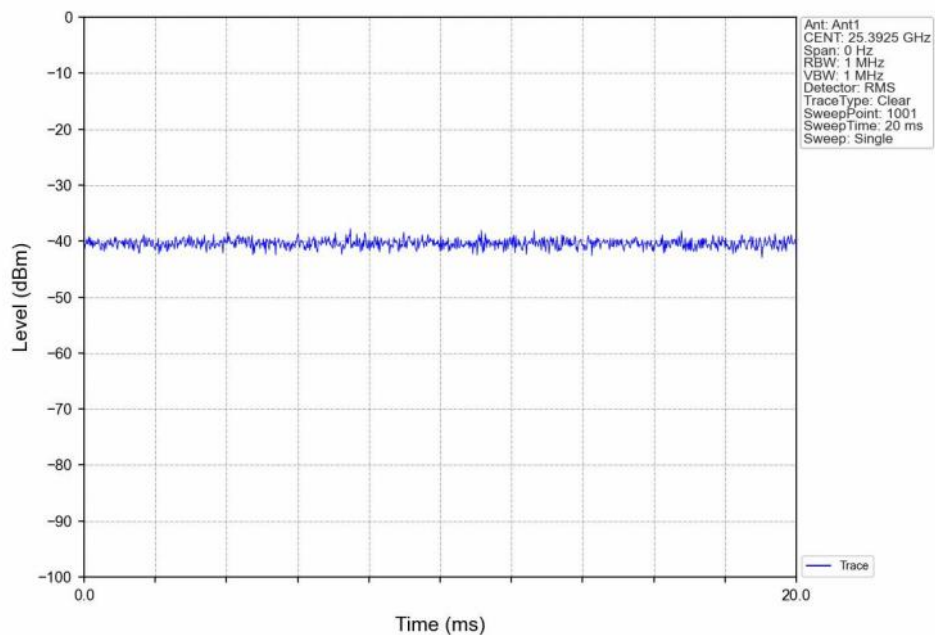
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



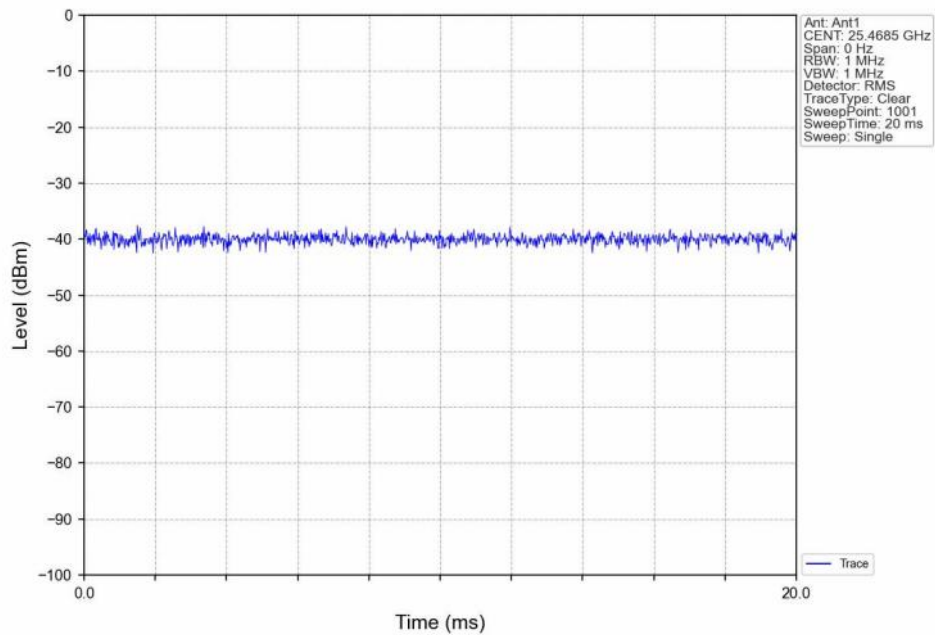
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



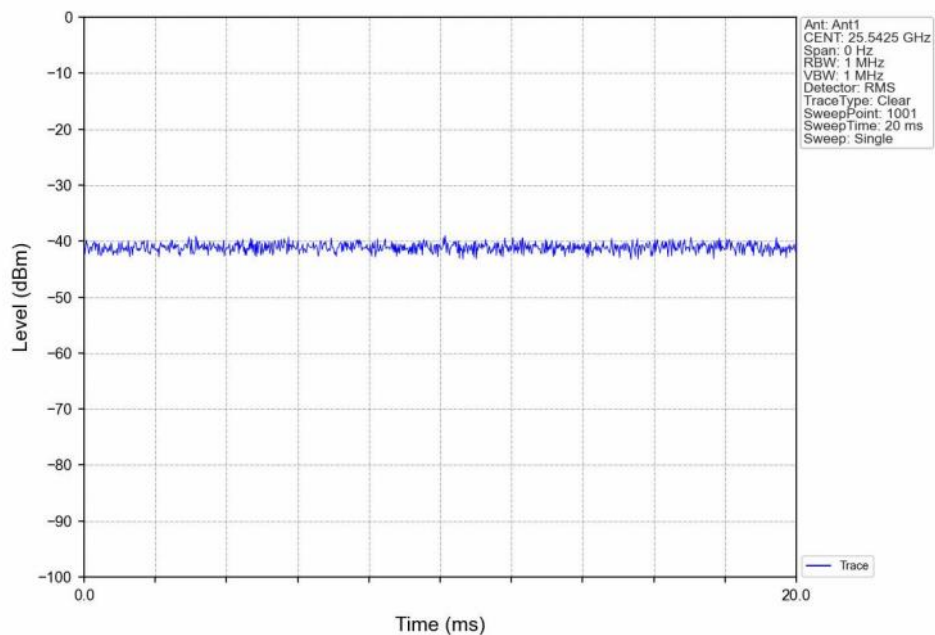
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



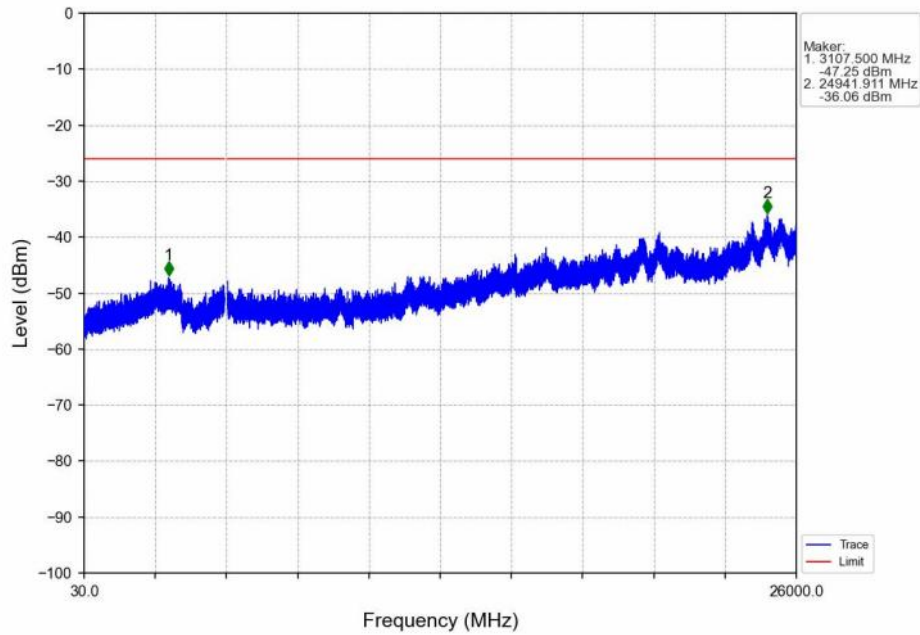
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



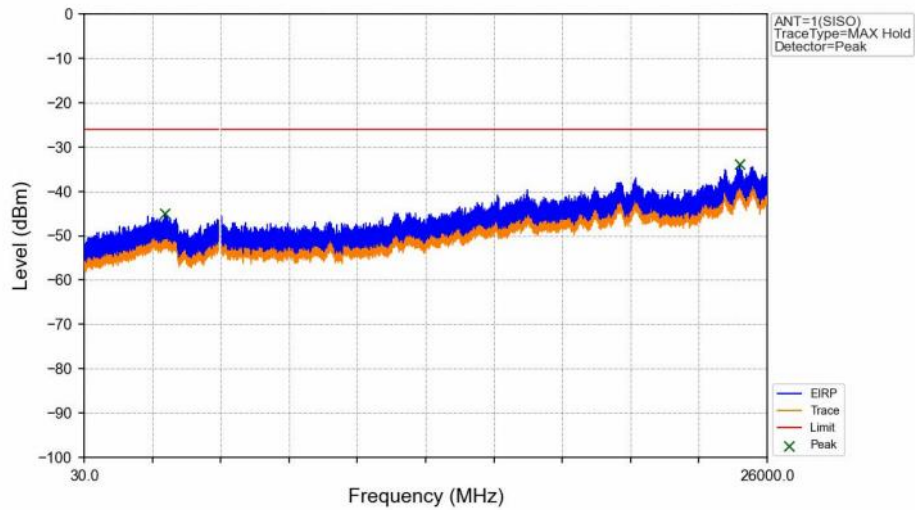
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



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)	Gain (dB)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	3107.500	-47.25	/	2.22	-45.03	/	-26.02	Pass
5266.7	26000	1	1	24941.911	-36.06	/	2.22	-33.84	/	-26.02	Pass

9. Secondary Radiated Emission

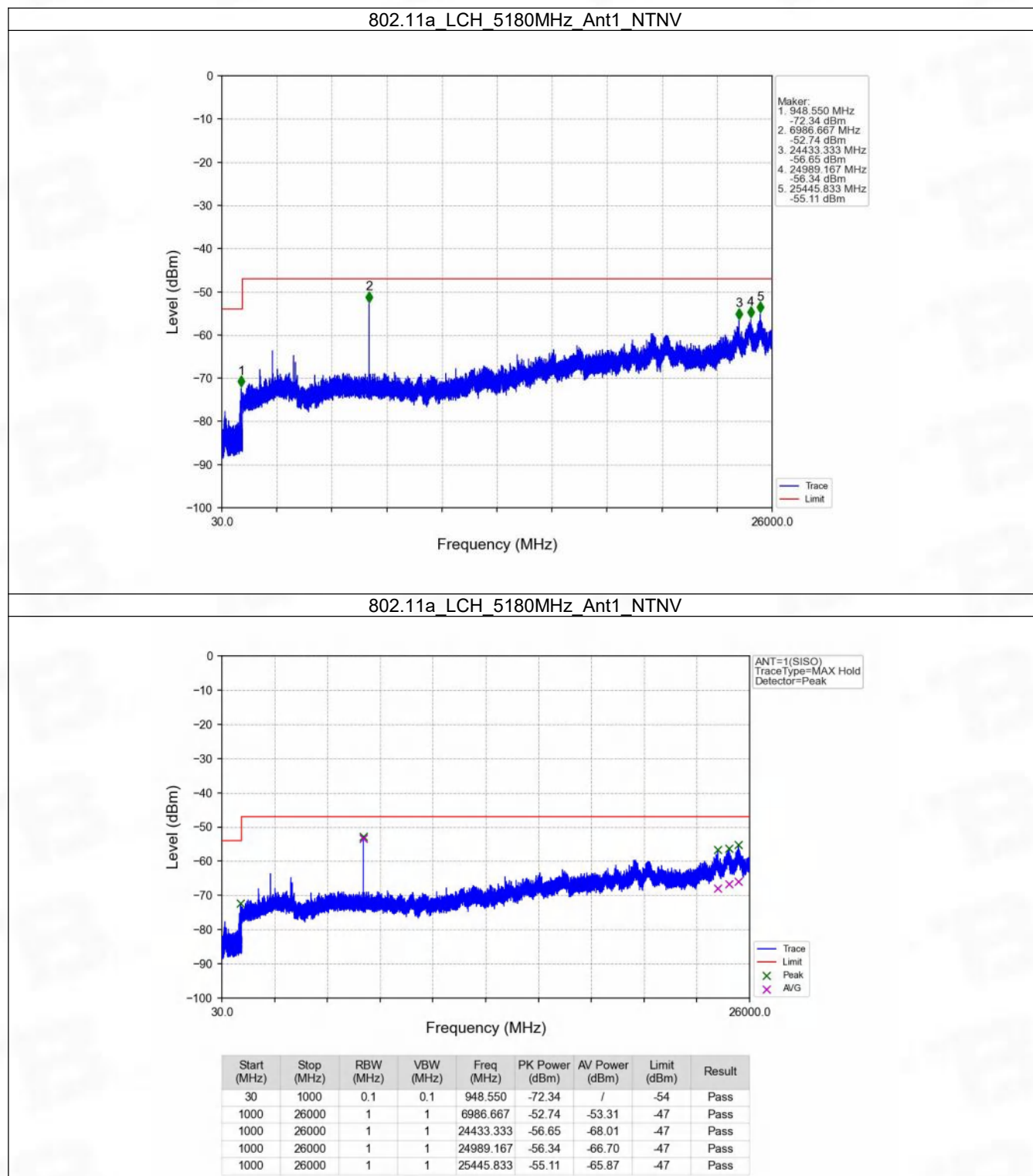
9.1 Test Result

9.1.1 RxSe_NTNV_SISO

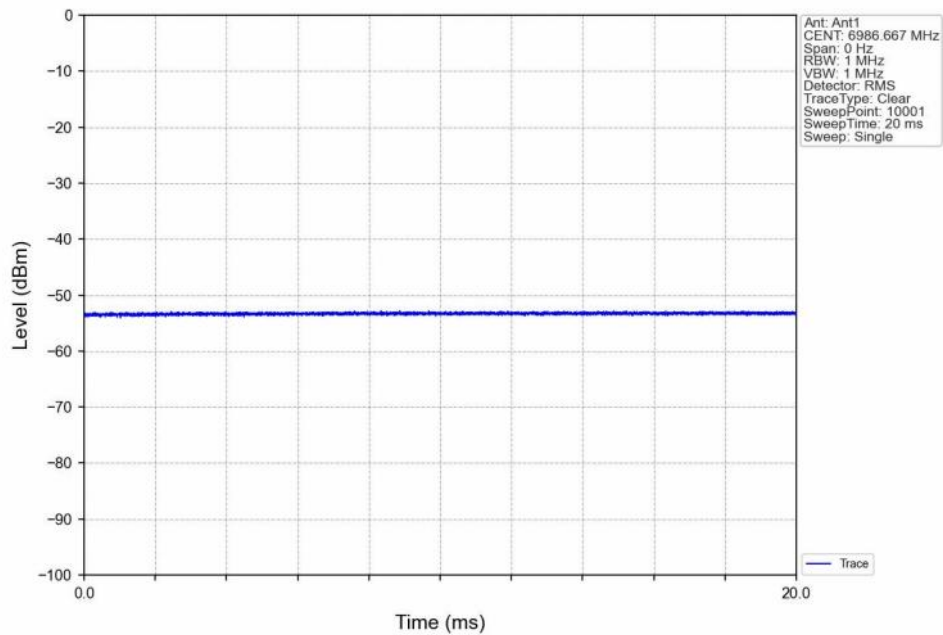
NTNV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (nW)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm)	PK Power (nW)	AV Power (dBm)	AV Power (nW)		
802.11a	SISO	5180	1	30	1000	948.55	-72.34	0.058	/	/	4	Pass
				1000	26000	6986.667	-52.74	5.321	-53.31	4.667	20	Pass
						24433.333	-56.65	2.163	-68.01	0.158	20	Pass
						24989.167	-56.34	2.323	-66.70	0.214	20	Pass
						25445.833	-55.11	3.083	-65.87	0.259	20	Pass
		5200	1	30	1000	948.65	-71.20	0.076	/	/	4	Pass
				1000	26000	6986.667	-52.75	5.309	-53.28	4.699	20	Pass
						24925.833	-56.63	2.173	-66.03	0.249	20	Pass
						25398.333	-56.11	2.449	-66.27	0.236	20	Pass
		5240	1	30	1000	948.6	-71.25	0.075	/	/	4	Pass
				1000	26000	2461.667	-49.68	10.765	-79.92	0.010	20	Pass
						6986.667	-52.54	5.572	-53.19	4.797	20	Pass
						24918.333	-56.46	2.259	-66.03	0.249	20	Pass
						25390	-56.78	2.099	-66.45	0.226	20	Pass
802.11n (HT20)	SISO	5180	1	30	1000	948.5	-74.00	0.040	/	/	4	Pass
				1000	26000	2460.833	-49.60	10.965	-79.91	0.010	20	Pass
						3595.833	-49.49	11.246	-79.41	0.011	20	Pass
						6986.667	-52.72	5.346	-53.17	4.819	20	Pass
						24901.667	-55.74	2.667	-66.30	0.234	20	Pass
						25452.5	-55.49	2.825	-65.83	0.261	20	Pass
		5200	1	30	1000	900	-75.56	0.028	/	/	4	Pass
				1000	26000	6986.667	-52.41	5.741	-53.16	4.831	20	Pass
						24912.5	-56.27	2.360	-66.15	0.243	20	Pass
						24974.167	-56.50	2.239	-66.35	0.232	20	Pass
						25044.167	-56.77	2.104	-67.63	0.173	20	Pass
						25421.667	-56.30	2.344	-65.99	0.252	20	Pass
		5240	1	30	1000	948.65	-74.96	0.032	/	/	4	Pass
				1000	26000	2461.667	-50.91	8.110	-79.92	0.010	20	Pass
						6986.667	-52.56	5.546	-53.10	4.898	20	Pass
						24873.333	-56.65	2.163	-66.51	0.223	20	Pass
						24950.833	-56.51	2.234	-65.99	0.252	20	Pass
						25475	-56.59	2.193	-65.97	0.253	20	Pass

9.2 Test Graph

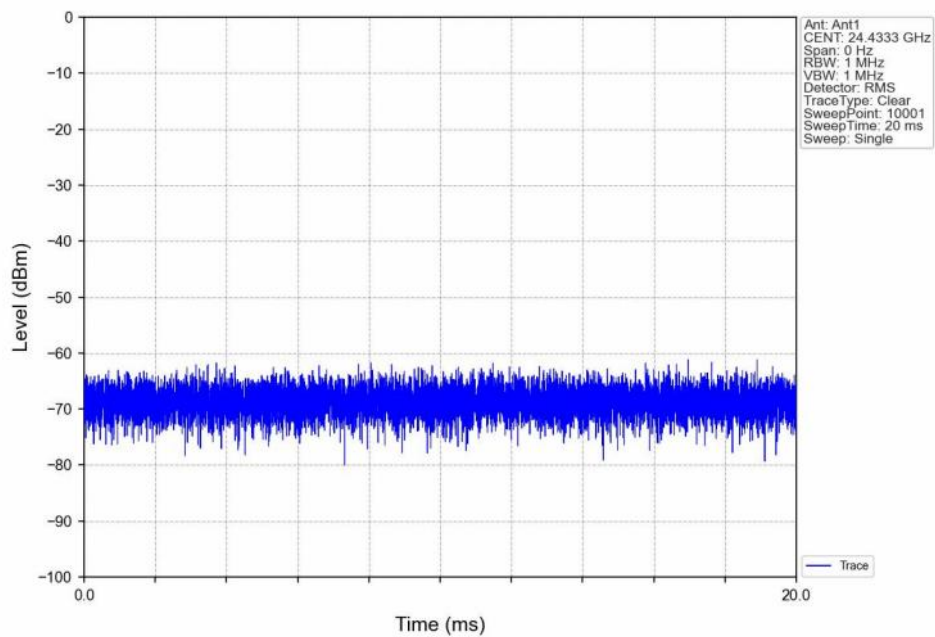
9.2.1 RxSe_NTNV_SISO



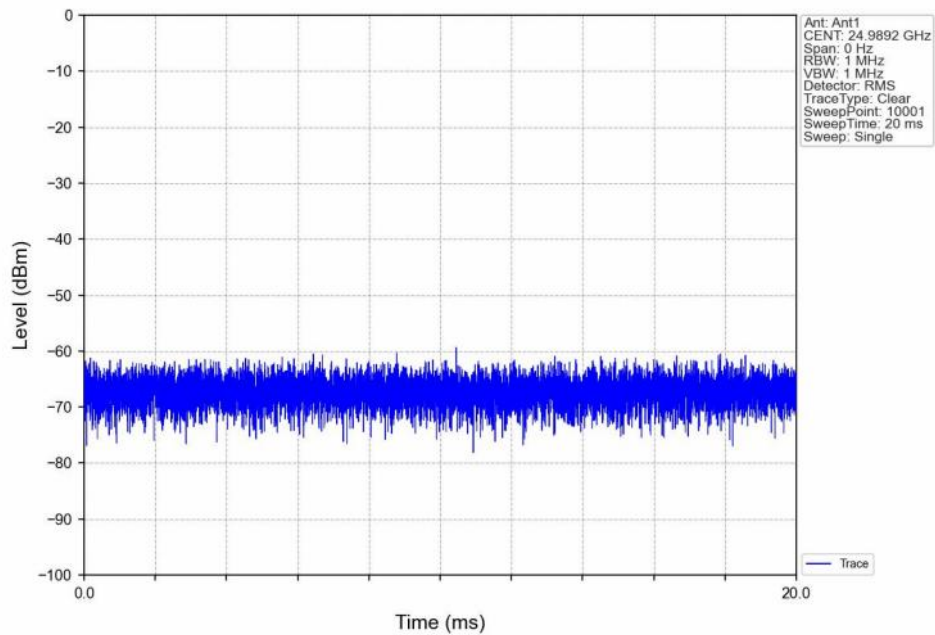
802.11a_LCH_5180MHz_Ant1_NTNV



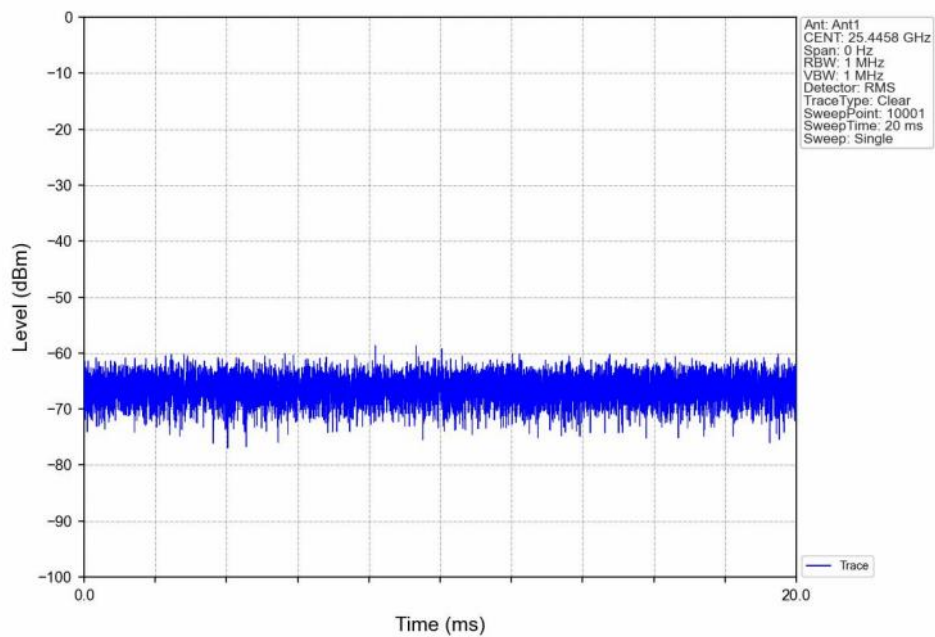
802.11a_LCH_5180MHz_Ant1_NTNV



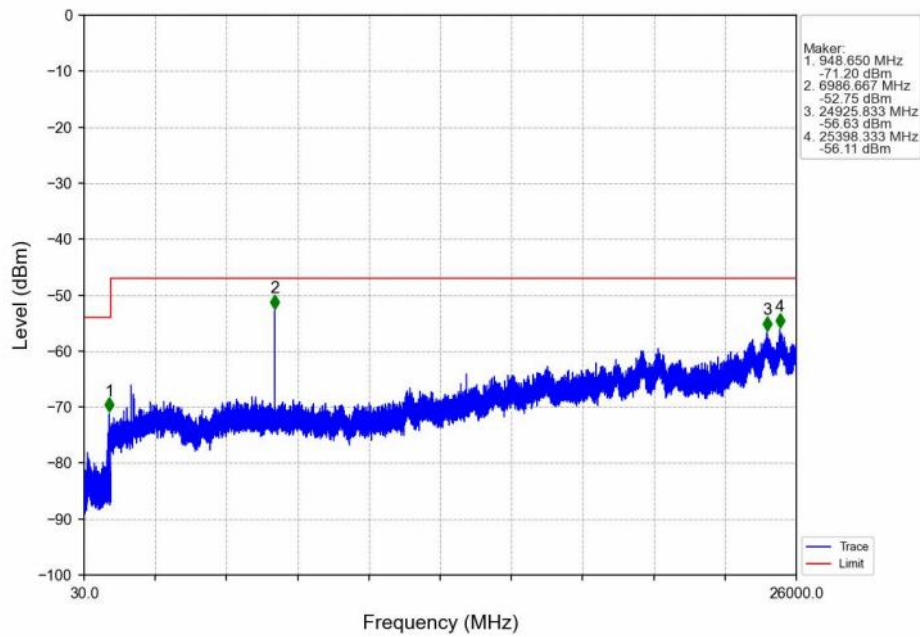
802.11a_LCH_5180MHz_Ant1_NTNV



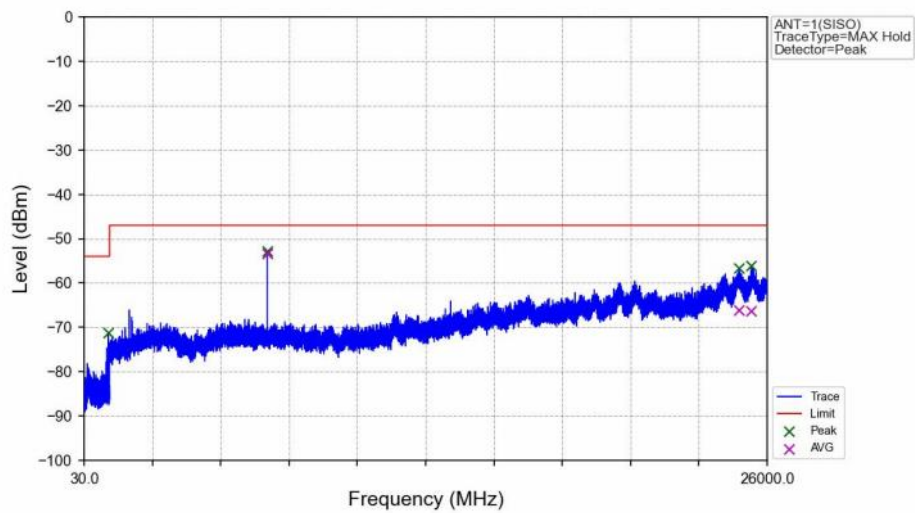
802.11a_LCH_5180MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant1_NTNV

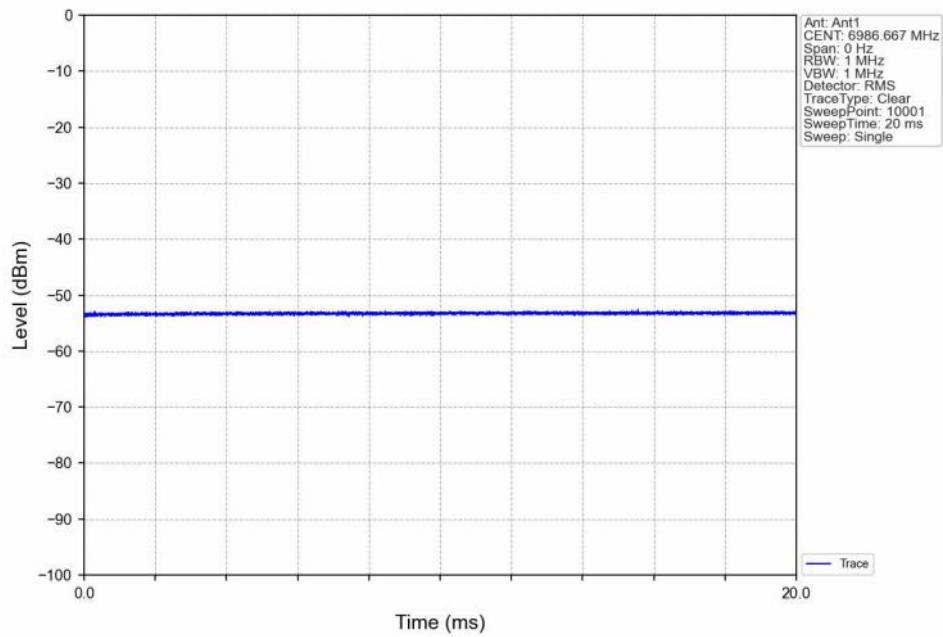


802.11a_MCH_5200MHz_Ant1_NTNV

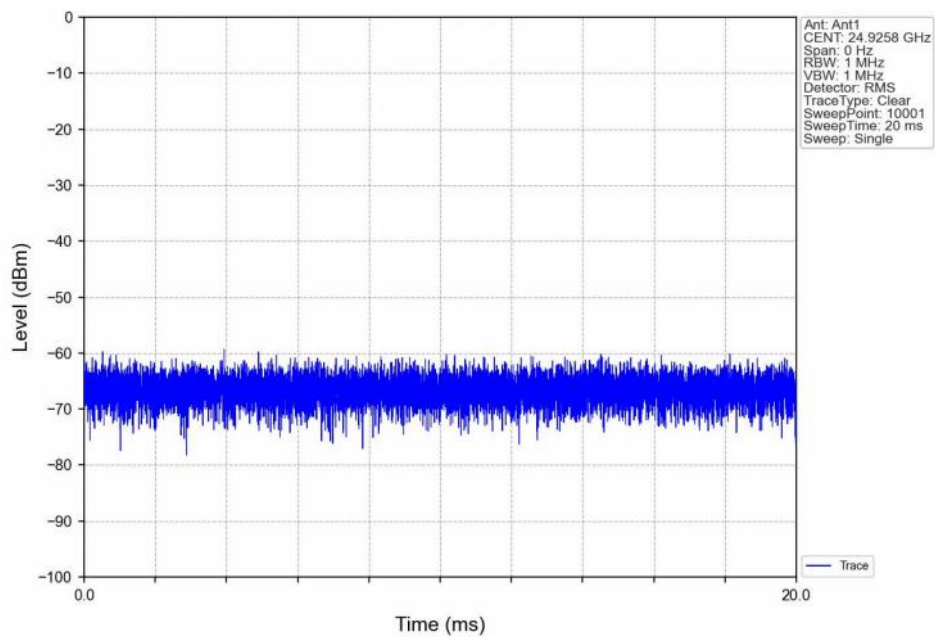


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	948.650	-71.20	/	-54	Pass
1000	26000	1	1	6986.667	-52.75	-53.28	-47	Pass
1000	26000	1	1	24925.833	-56.63	-66.03	-47	Pass
1000	26000	1	1	25398.333	-56.11	-66.27	-47	Pass

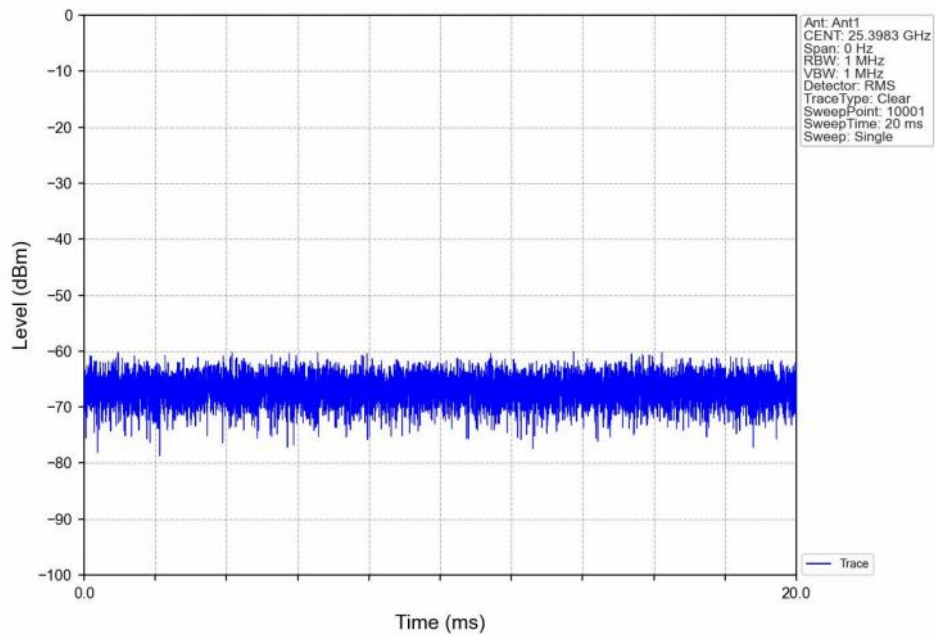
802.11a_MCH_5200MHz_Ant1_NTNV



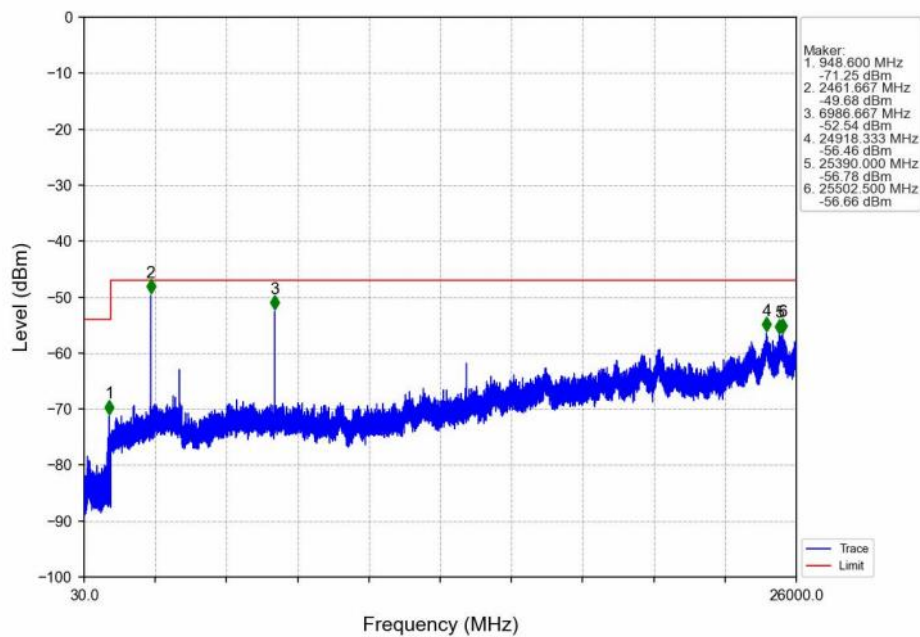
802.11a_MCH_5200MHz_Ant1_NTNV



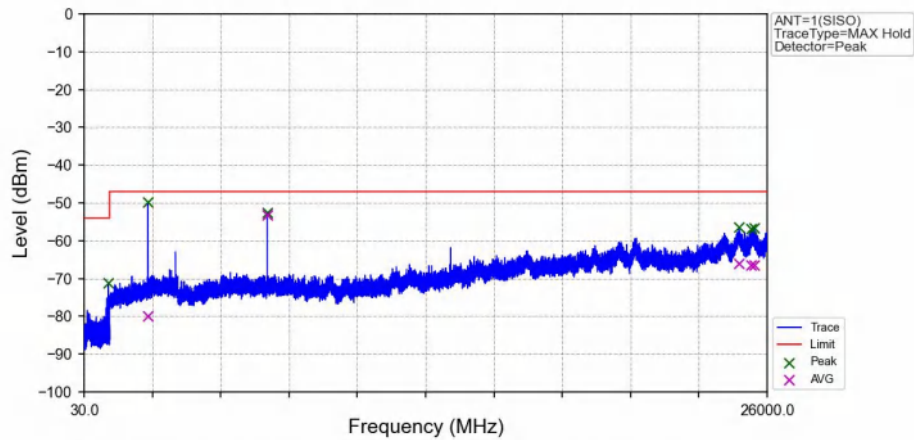
802.11a_MCH_5200MHz_Ant1_NTNV



802.11a_HCH_5240MHz_Ant1_NTNV

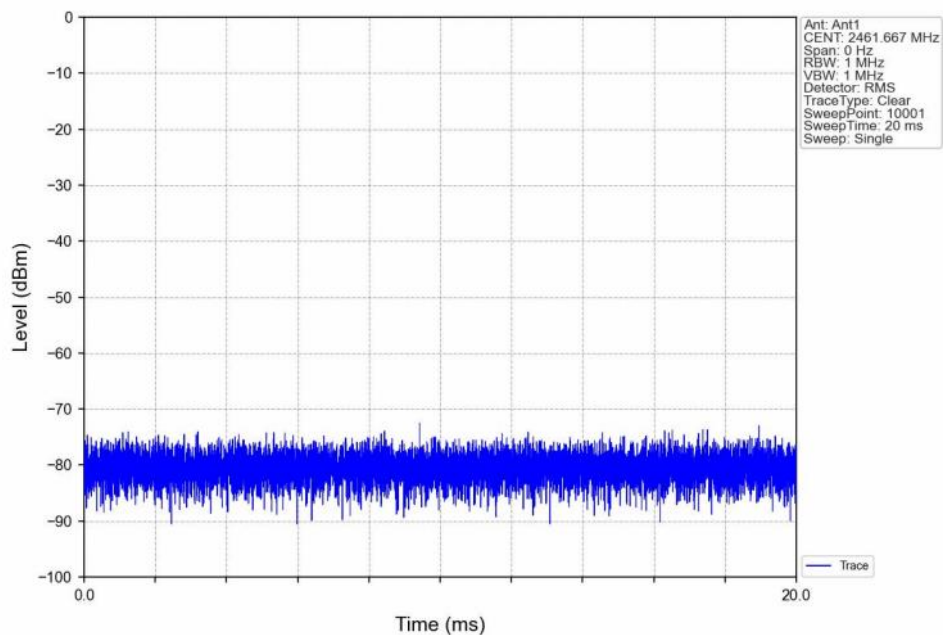


802.11a_HCH_5240MHz_Ant1_NTNV

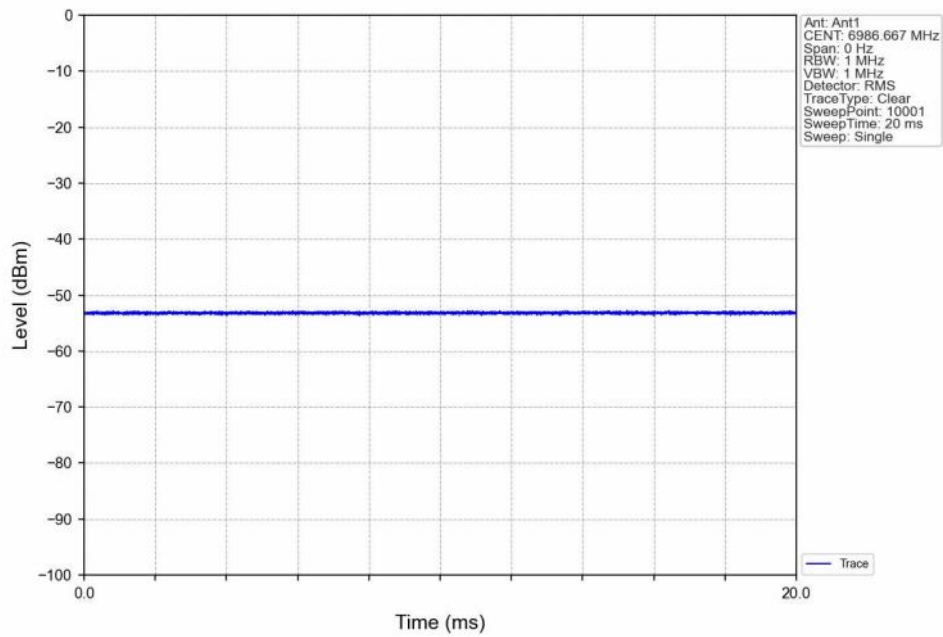


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	948.600	-71.25	/	-54	Pass
1000	26000	1	1	2461.667	-49.68	-79.92	-47	Pass
1000	26000	1	1	6986.667	-52.54	-53.19	-47	Pass
1000	26000	1	1	24918.333	-56.46	-66.03	-47	Pass
1000	26000	1	1	25390.000	-56.78	-66.45	-47	Pass
1000	26000	1	1	25502.500	-56.66	-66.35	-47	Pass

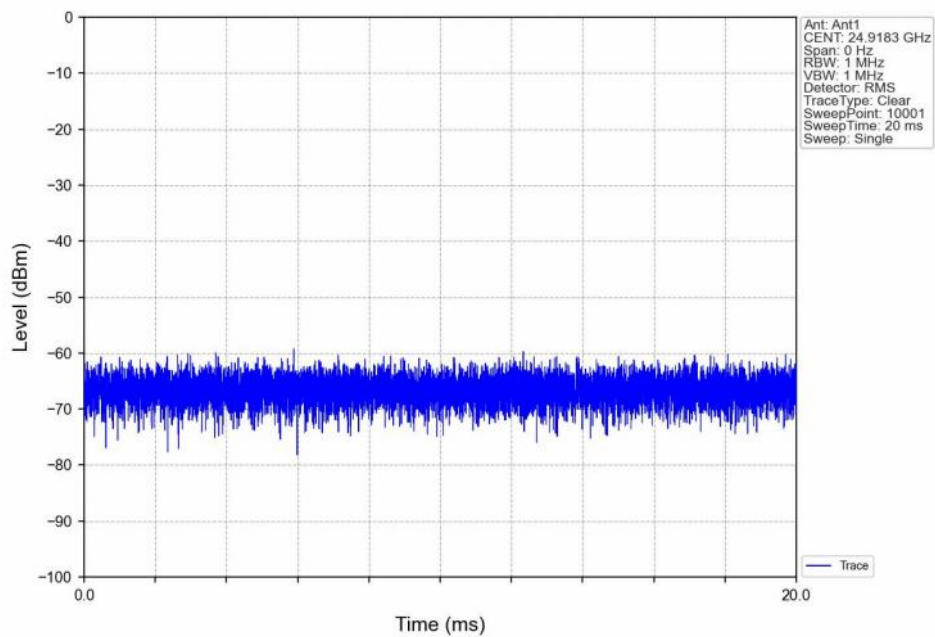
802.11a_HCH_5240MHz_Ant1_NTNV



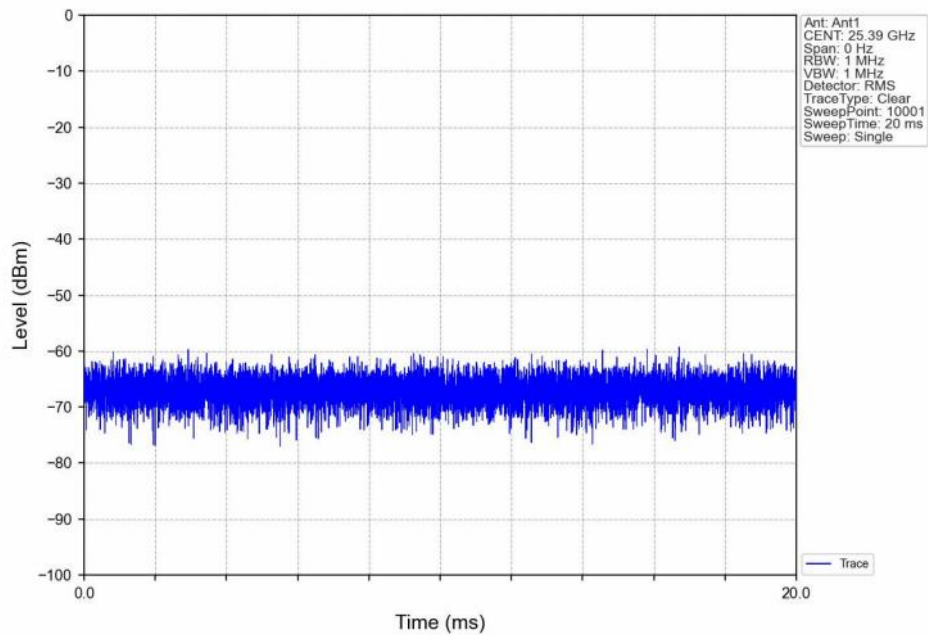
802.11a_HCH_5240MHz_Ant1_NTNV



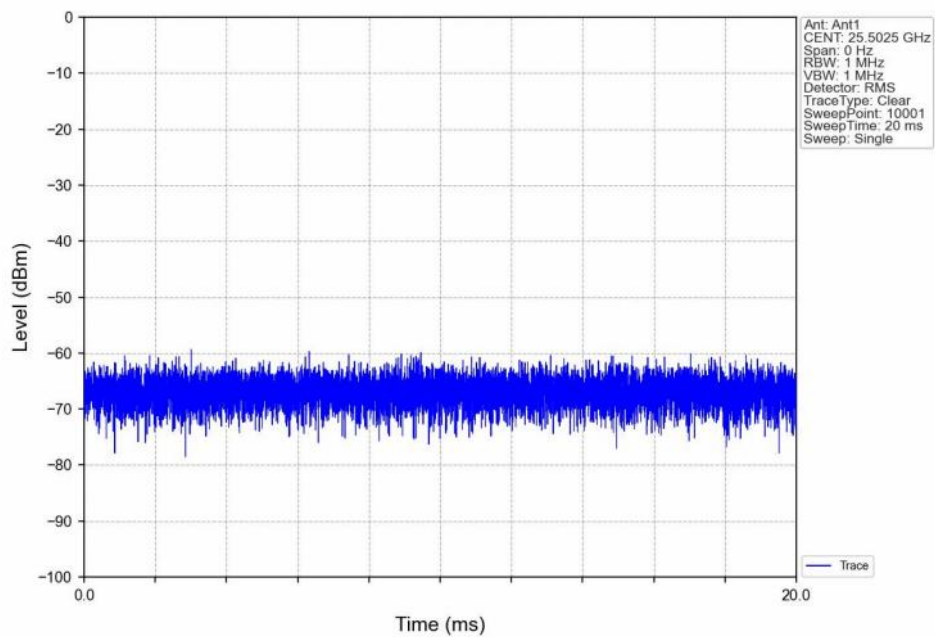
802.11a_HCH_5240MHz_Ant1_NTNV



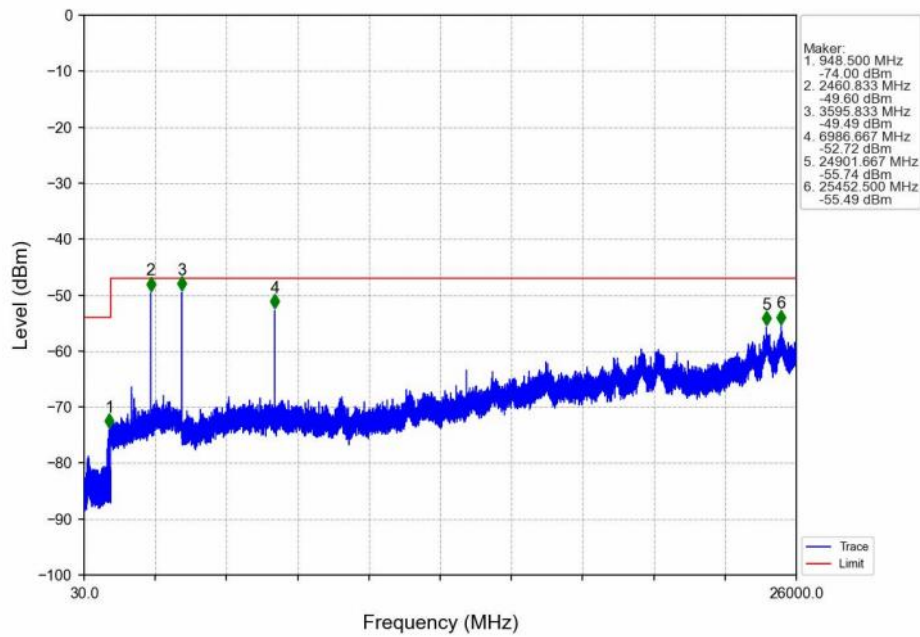
802.11a_HCH_5240MHz_Ant1_NTNV



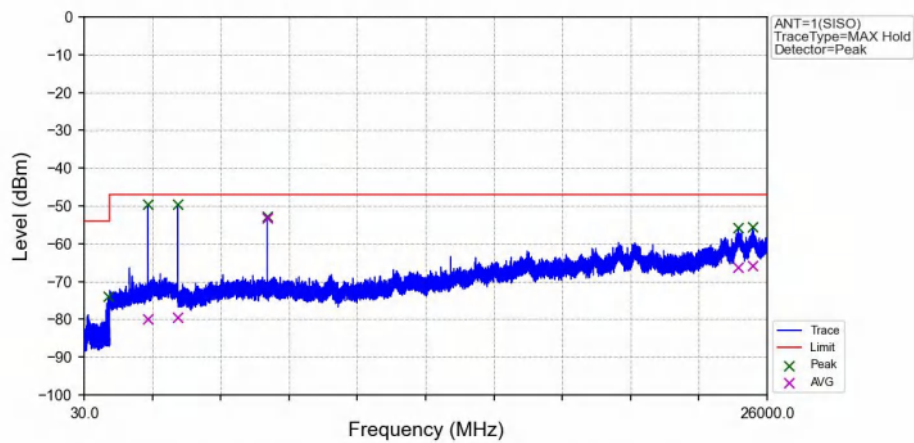
802.11a_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

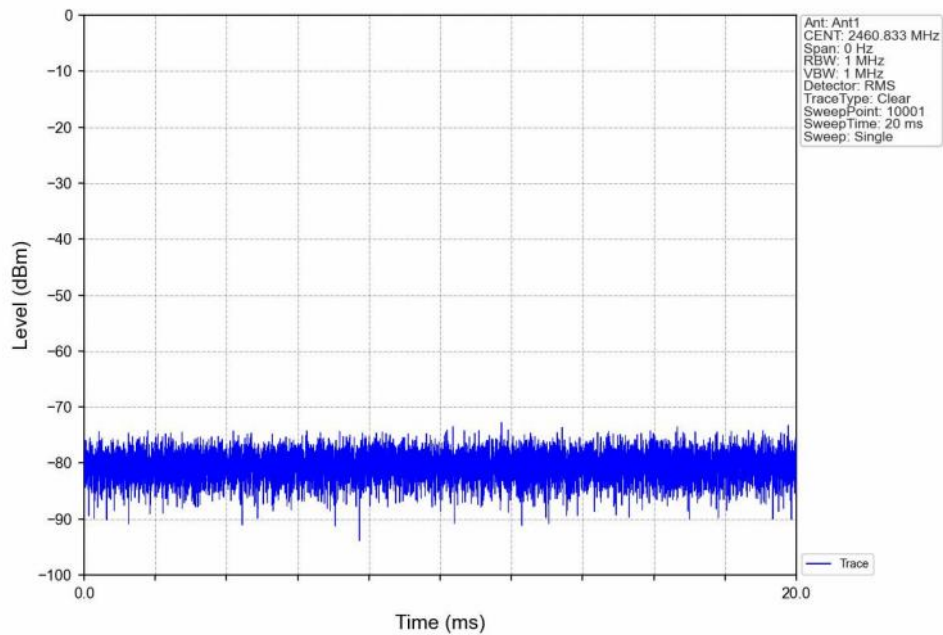


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

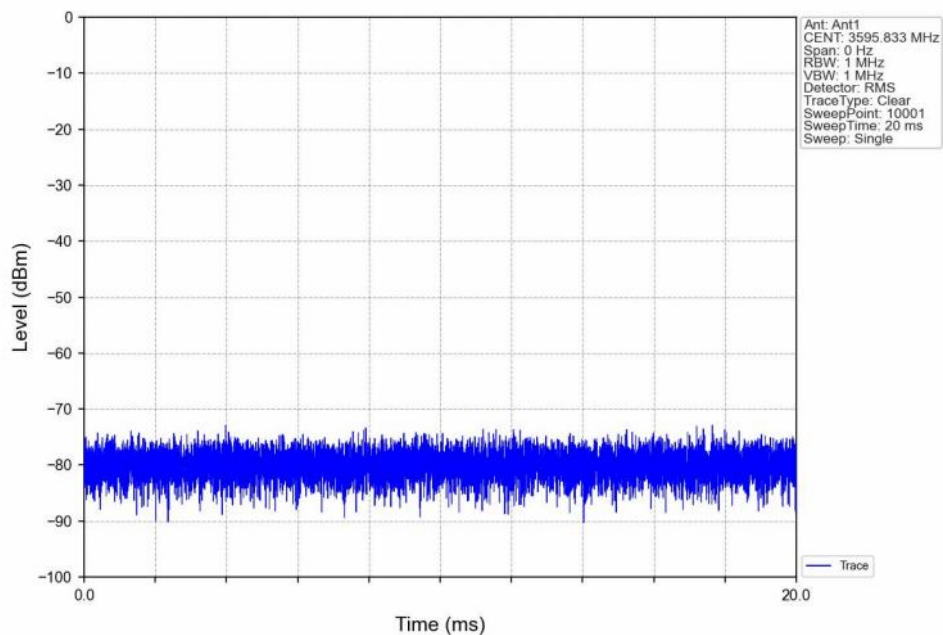


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	948.500	-74.00	/	-54	Pass
1000	26000	1	1	2460.833	-49.60	-79.91	-47	Pass
1000	26000	1	1	3595.833	-49.49	-79.41	-47	Pass
1000	26000	1	1	6986.667	-52.72	-53.17	-47	Pass
1000	26000	1	1	24901.667	-55.74	-66.30	-47	Pass
1000	26000	1	1	25452.500	-55.49	-65.83	-47	Pass

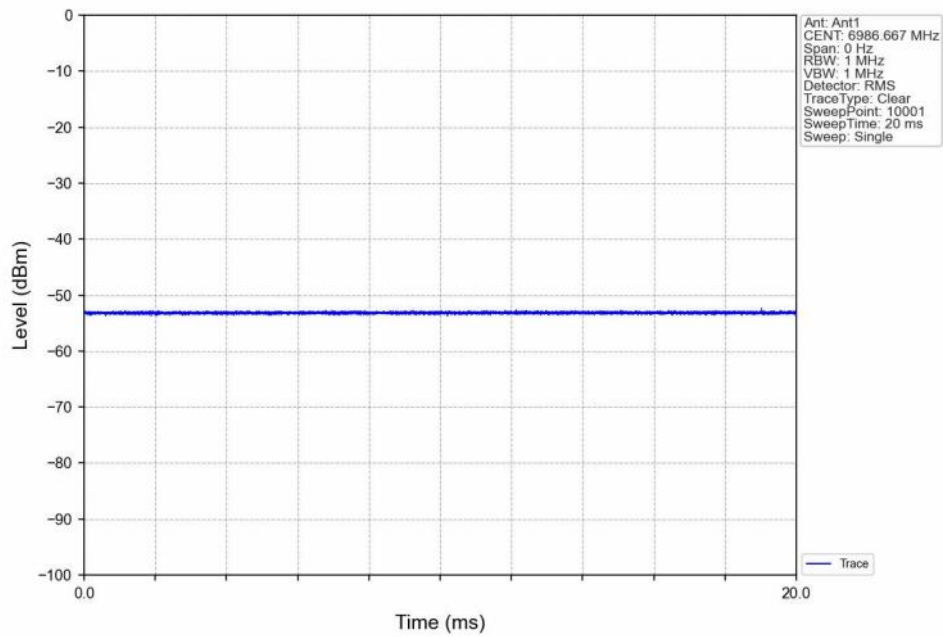
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



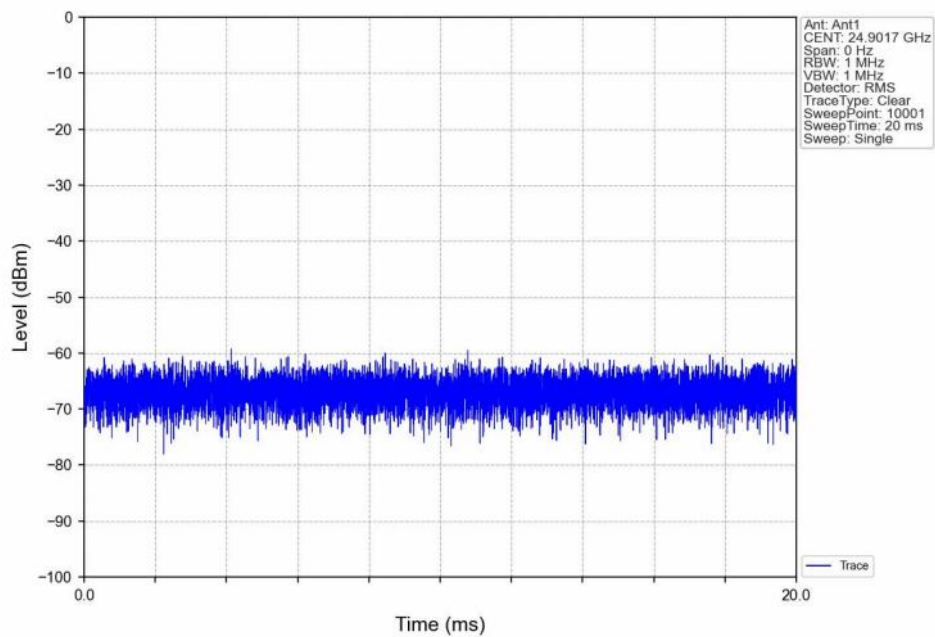
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



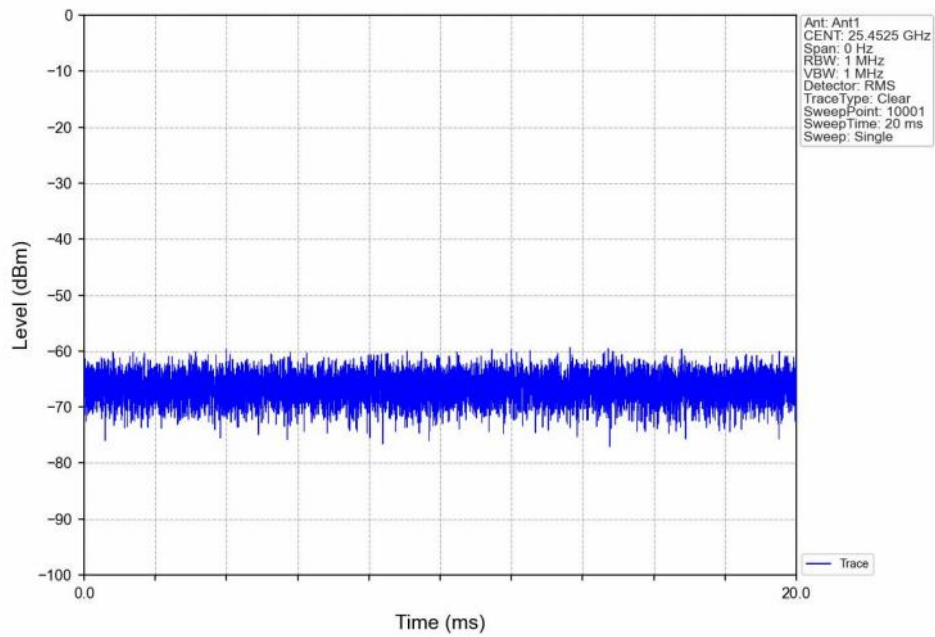
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



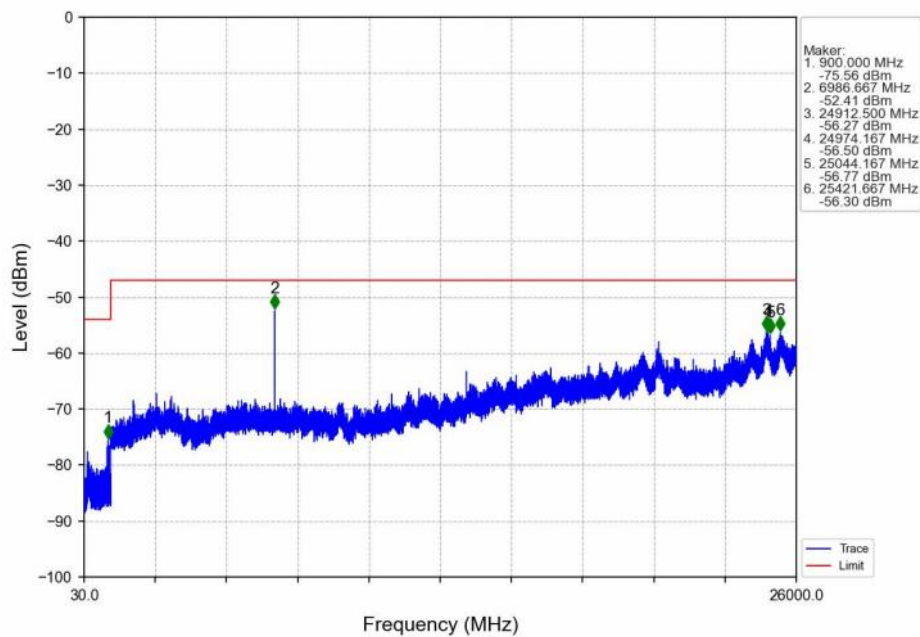
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



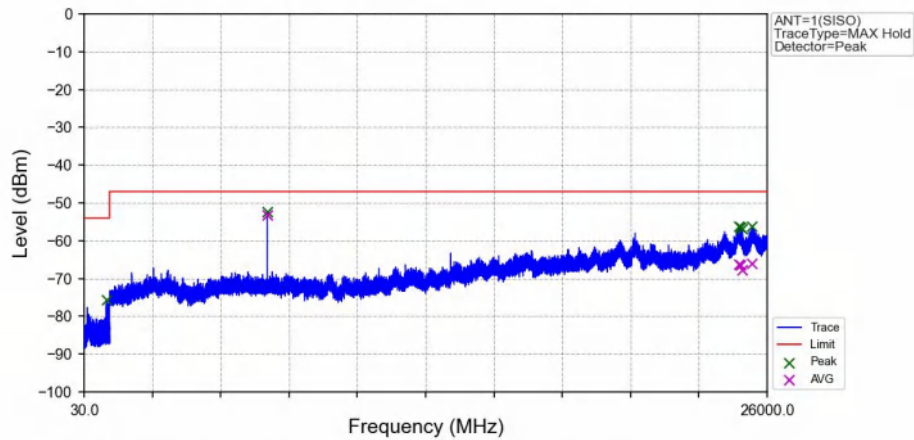
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

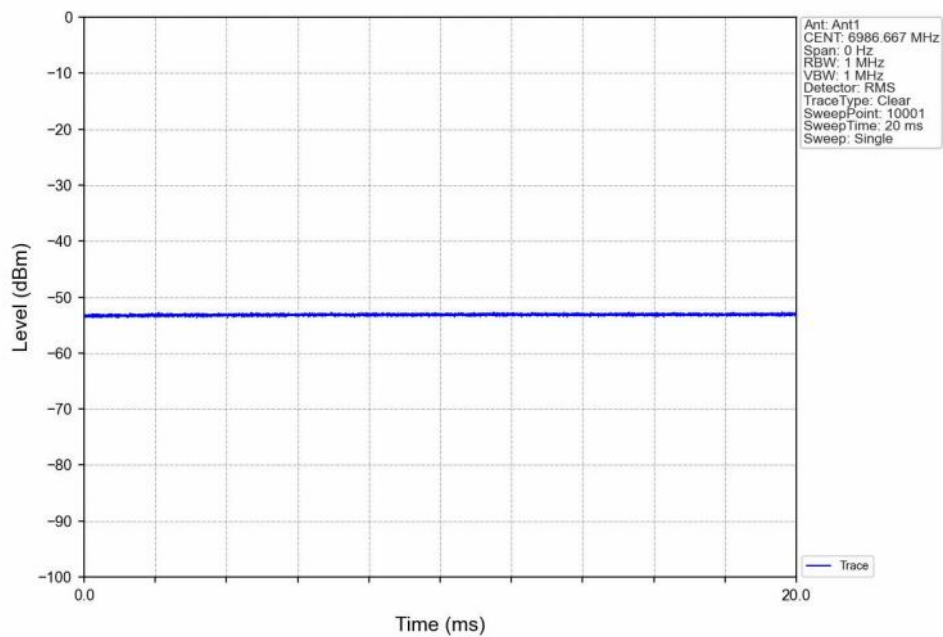


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

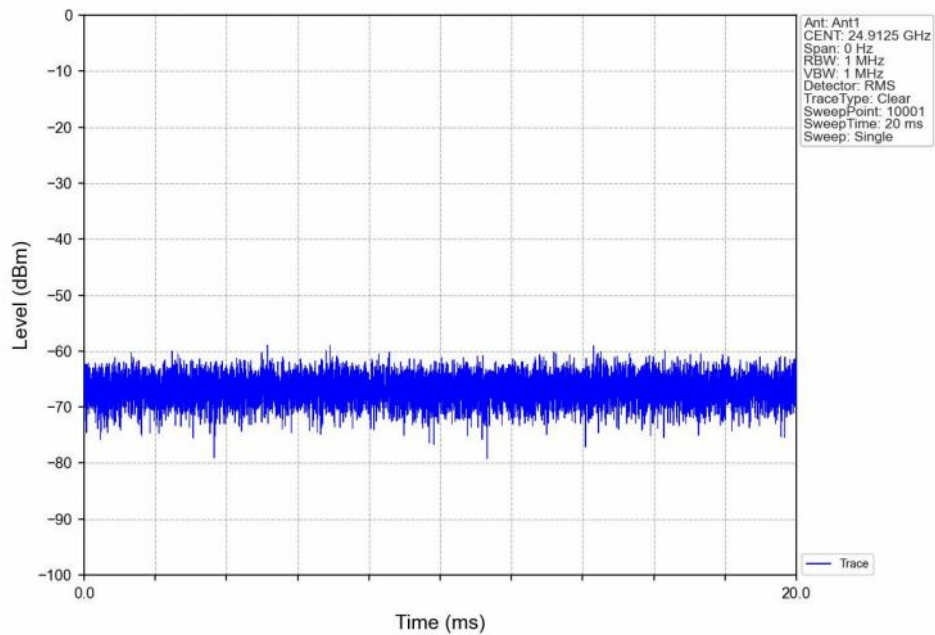


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	900.000	-75.56	/	-54	Pass
1000	26000	1	1	6986.667	-52.41	-53.16	-47	Pass
1000	26000	1	1	24912.500	-56.27	-66.15	-47	Pass
1000	26000	1	1	24974.167	-56.50	-66.35	-47	Pass
1000	26000	1	1	25044.167	-56.77	-67.63	-47	Pass
1000	26000	1	1	25421.667	-56.30	-65.99	-47	Pass

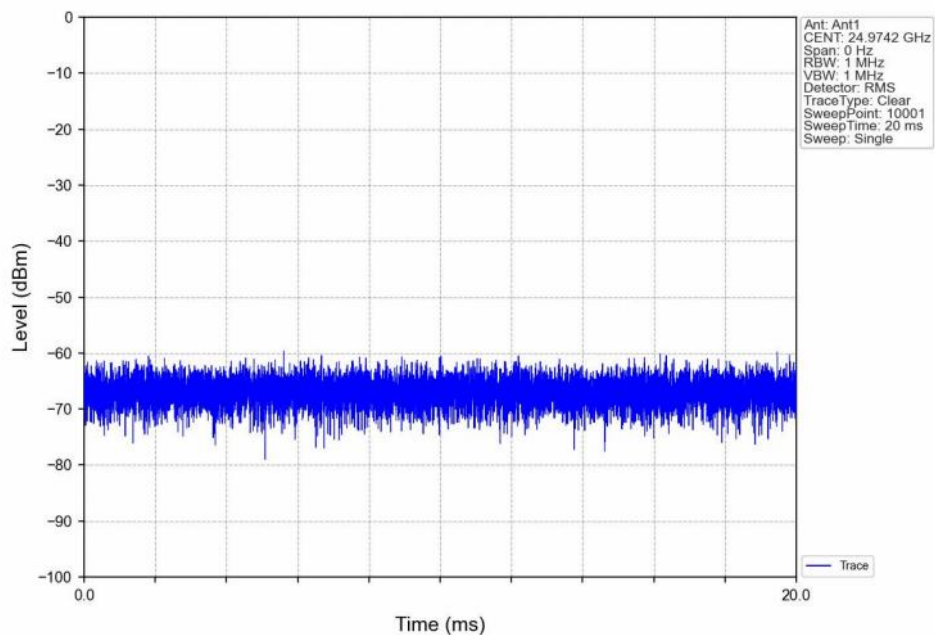
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



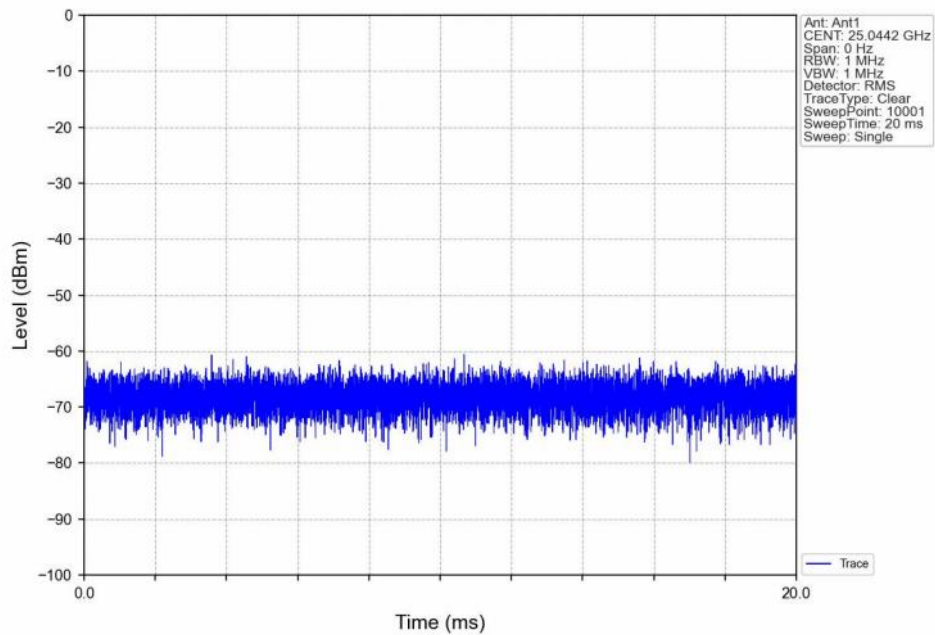
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



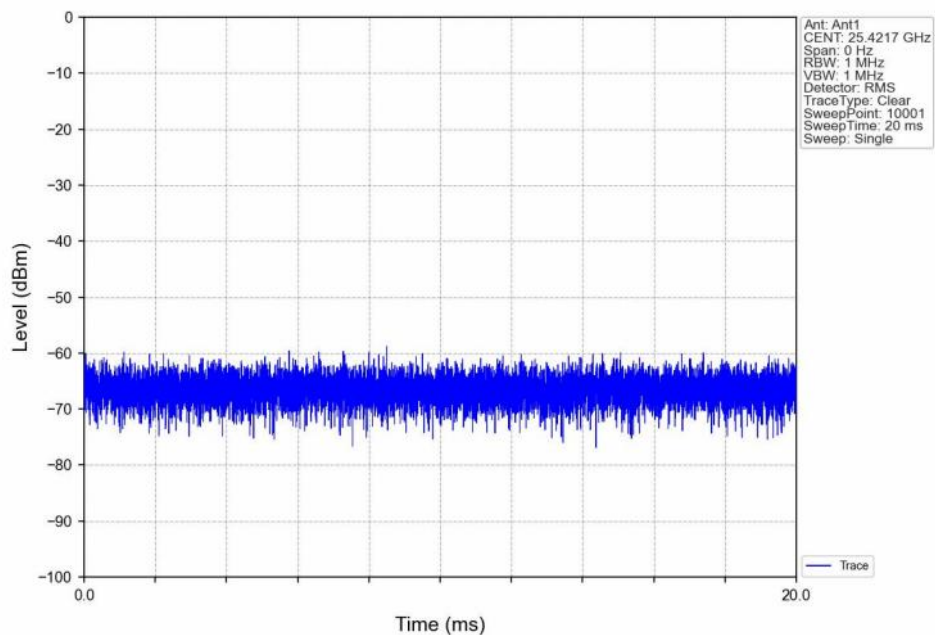
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



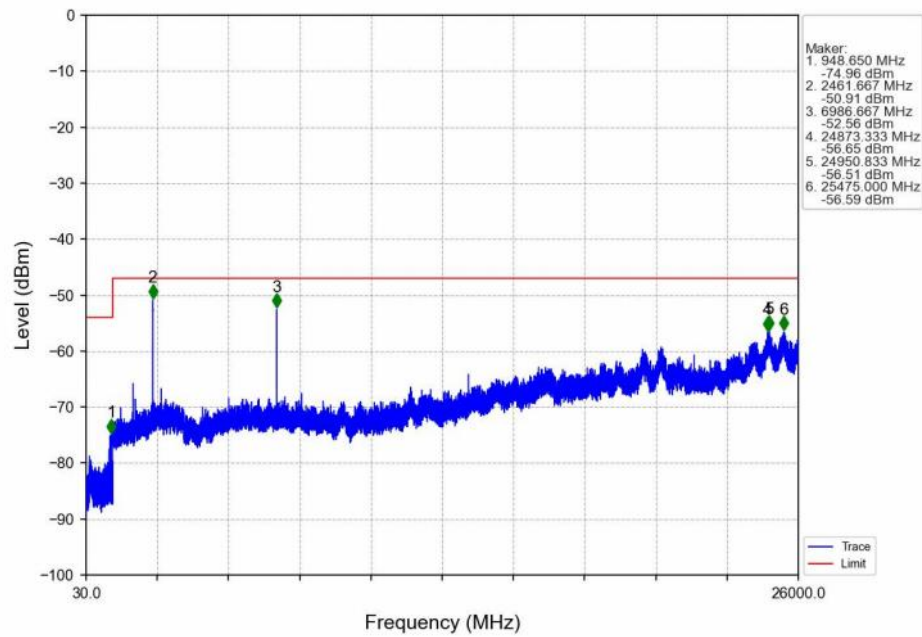
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



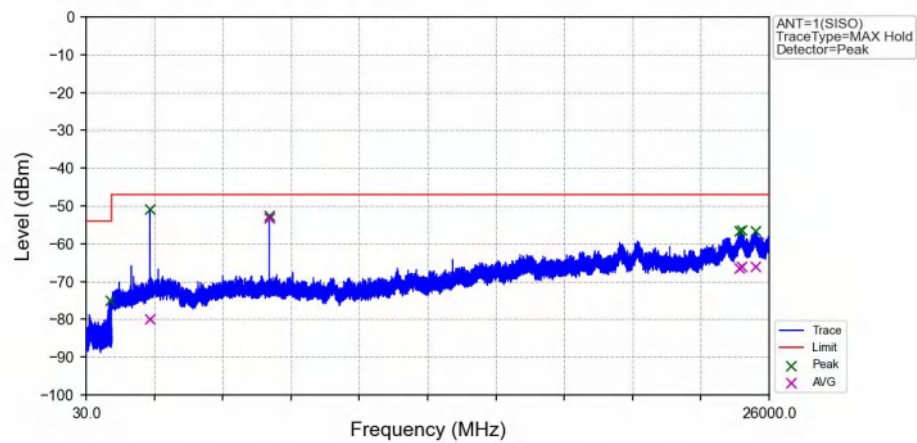
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

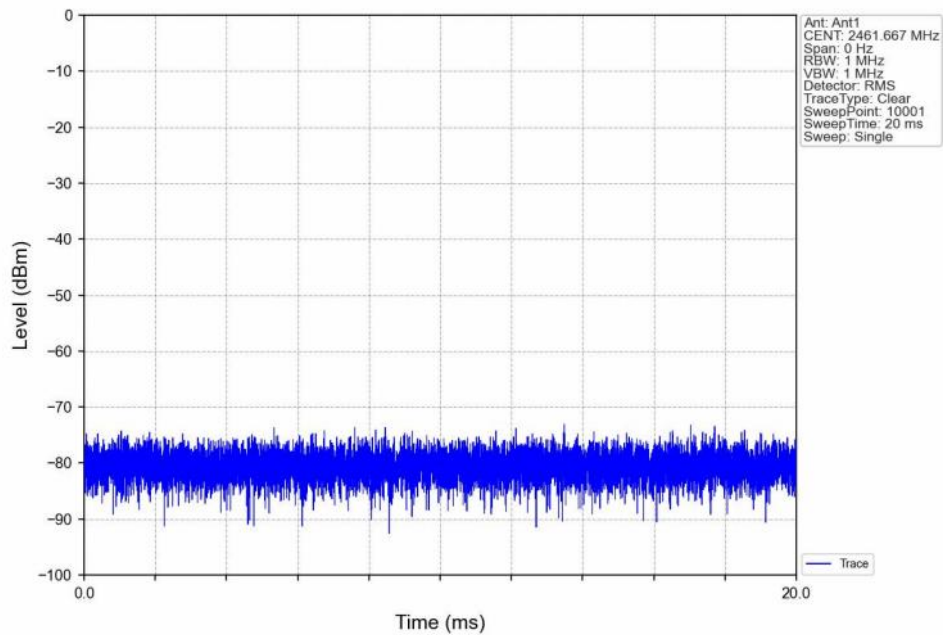


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

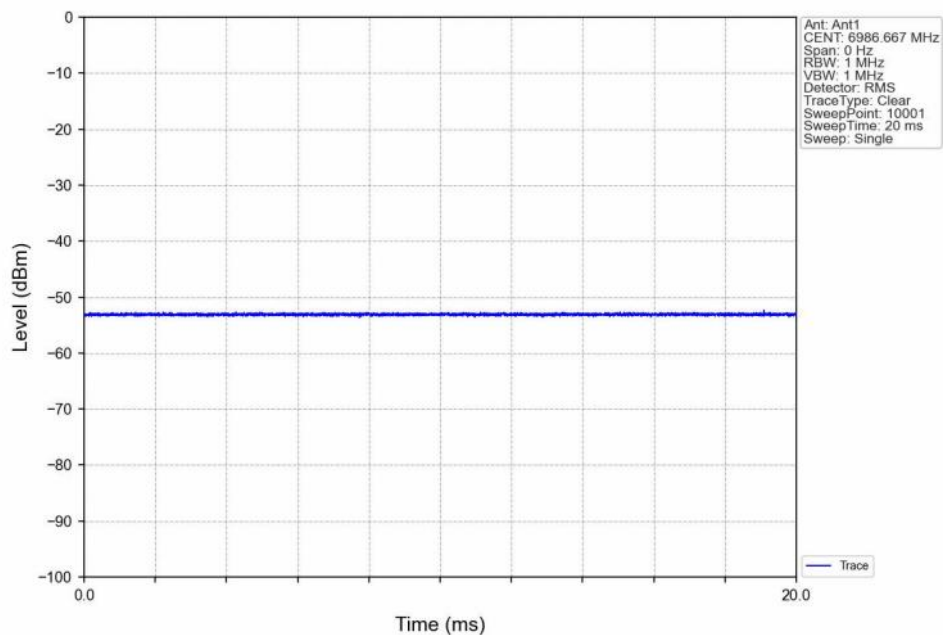


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	948.650	-74.96	/	-54	Pass
1000	26000	1	1	2461.667	-50.91	-79.92	-47	Pass
1000	26000	1	1	6986.667	-52.56	-53.10	-47	Pass
1000	26000	1	1	24873.333	-56.65	-66.51	-47	Pass
1000	26000	1	1	24950.833	-56.51	-65.99	-47	Pass
1000	26000	1	1	25475.000	-56.59	-65.97	-47	Pass

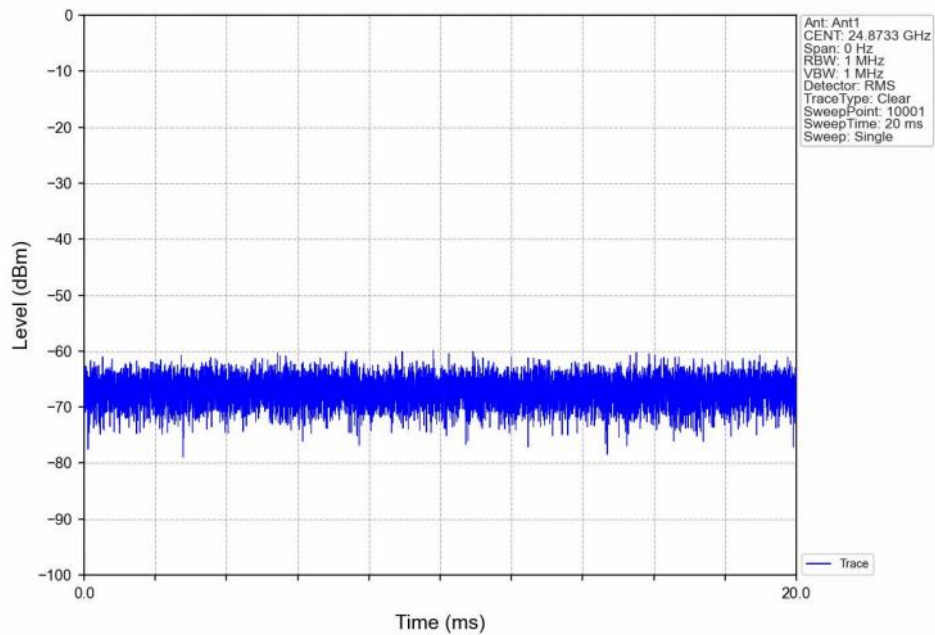
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



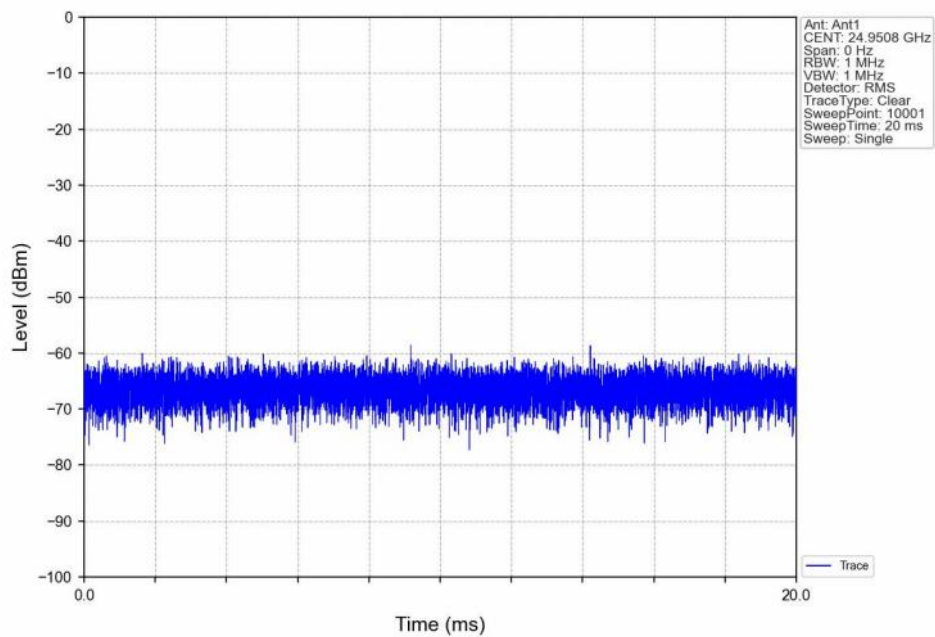
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

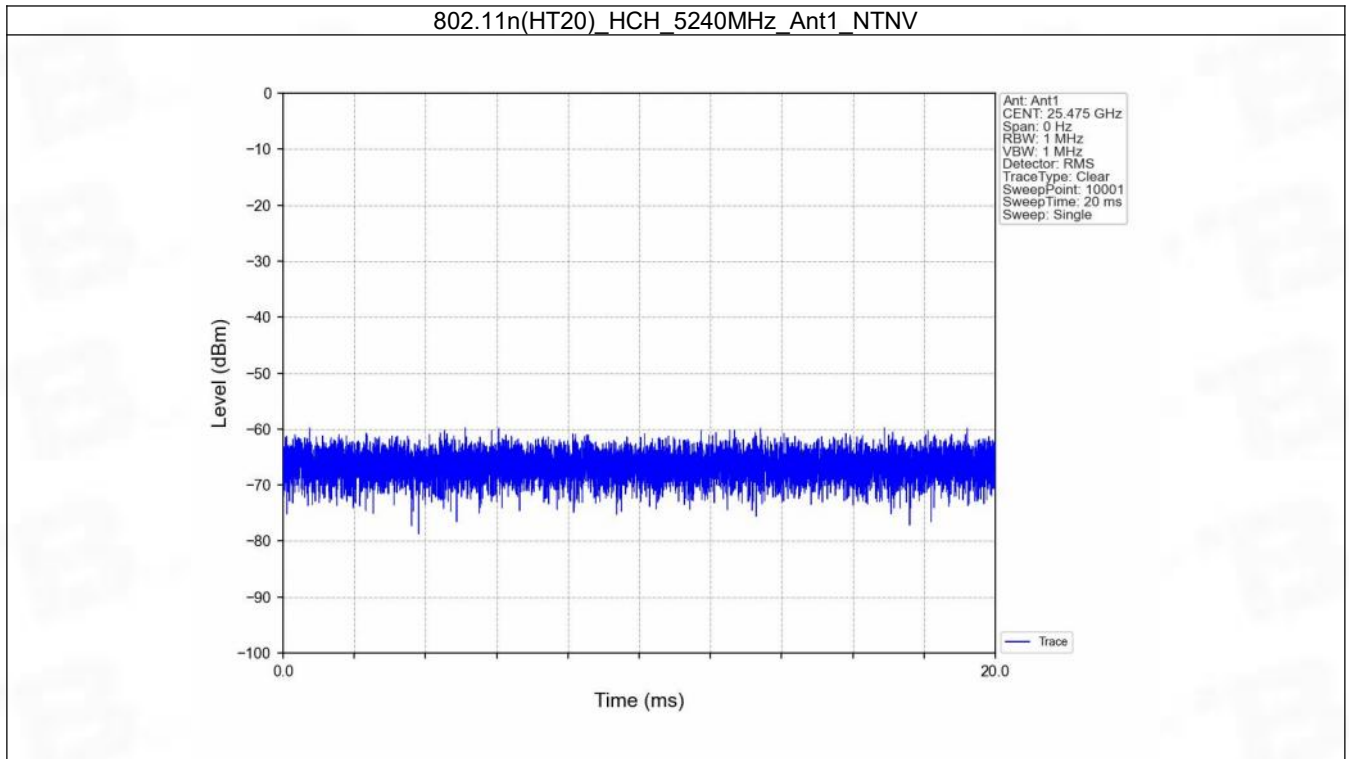


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV





10. Carrier Sensing

10.1 Test Result

