

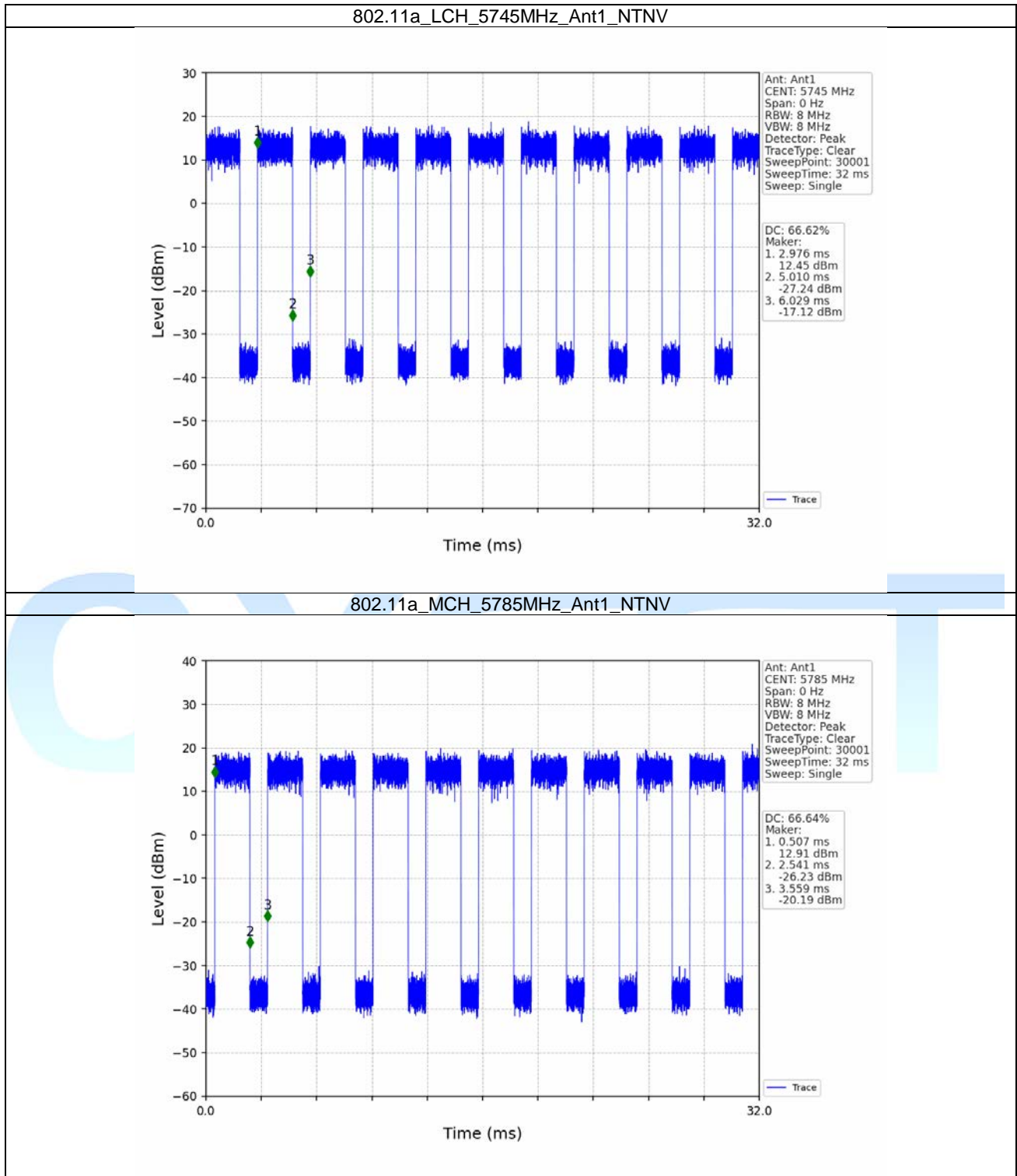
1. Duty Cycle

1.1 Ant1

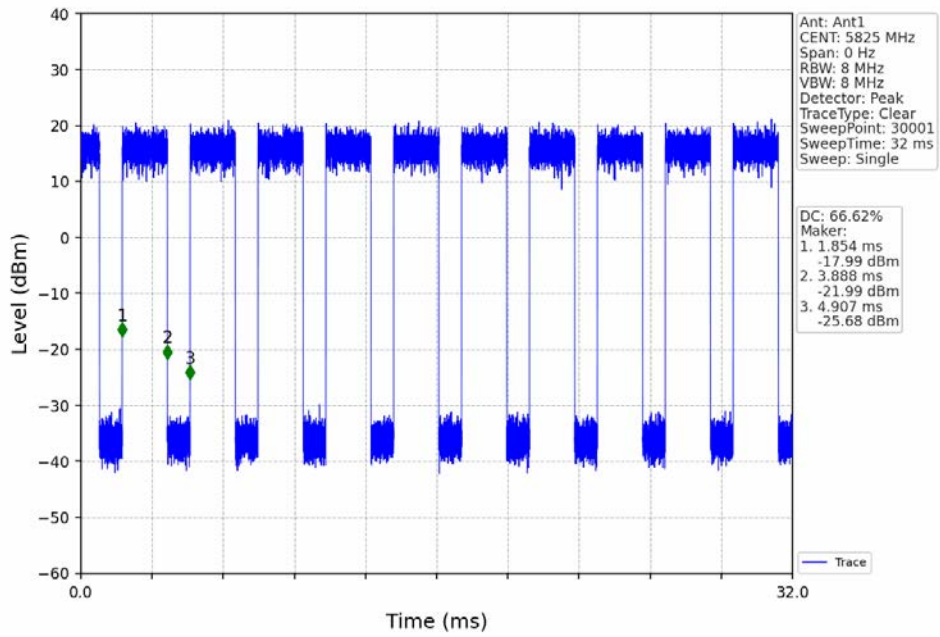
1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5745	2.034	3.053	66.62	1.76	0.10
		5785	2.034	3.052	66.64	1.76	0.07
		5825	2.034	3.053	66.62	1.76	0.01
802.11n (HT20)	SISO	5745	1.894	2.913	65.02	1.87	0.11
		5785	1.894	2.913	65.02	1.87	0.03
		5825	1.894	3.123	60.65	2.17	4.41
802.11n (HT40)	SISO	5755	0.933	1.952	47.80	3.21	0.03
		5795	0.933	1.952	47.80	3.21	0.02
802.11ac (VHT20)	SISO	5745	1.902	2.921	65.11	1.86	0.03
		5785	1.902	2.921	65.11	1.86	0.03
		5825	1.902	3.175	59.91	2.23	5.35
802.11ac (VHT40)	SISO	5755	0.938	1.958	47.91	3.20	0.02
		5795	0.937	1.956	47.90	3.20	0.02

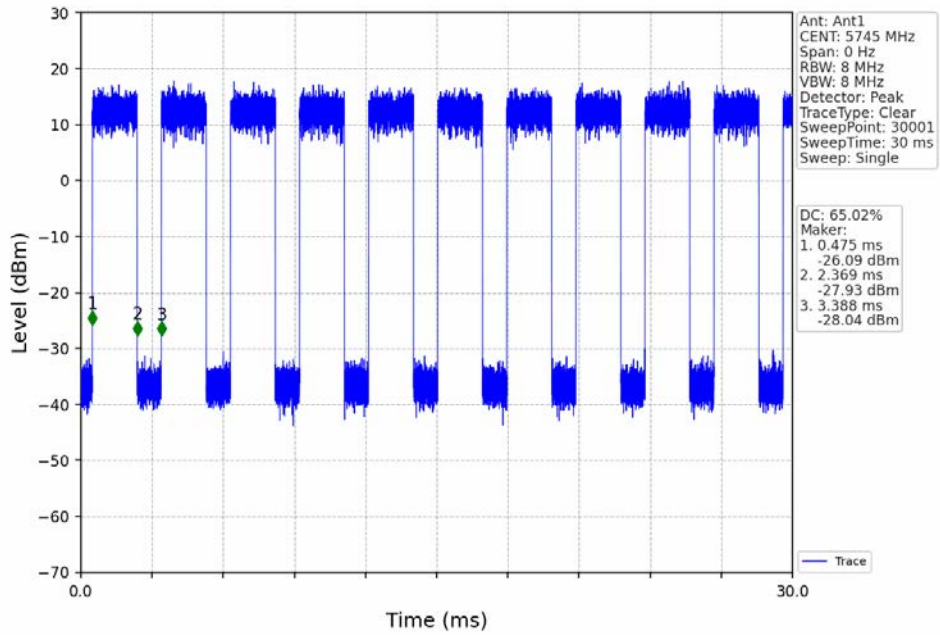
1.1.2 Test Graph



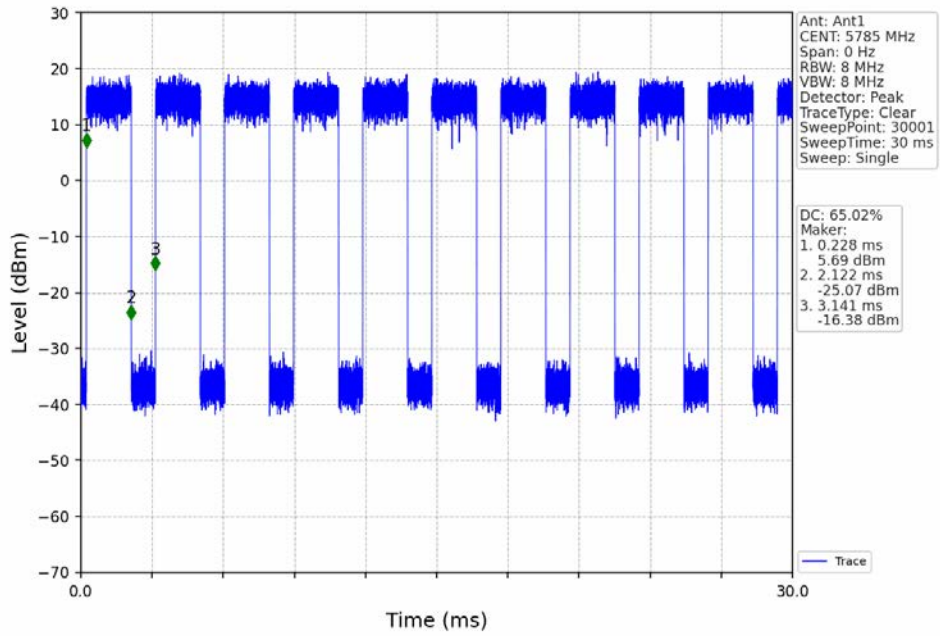
802.11a_HCH_5825MHz_Ant1_NTNV



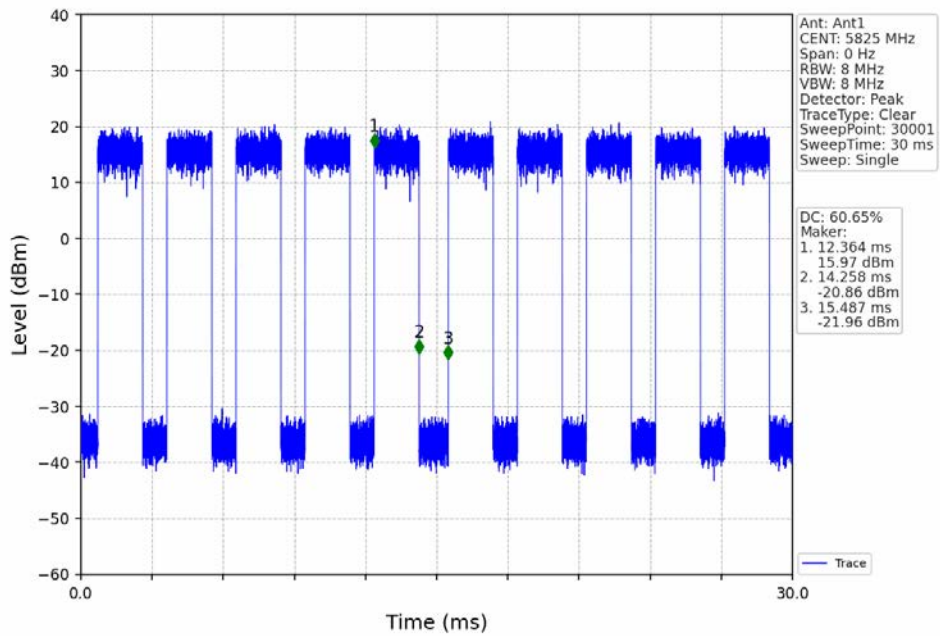
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



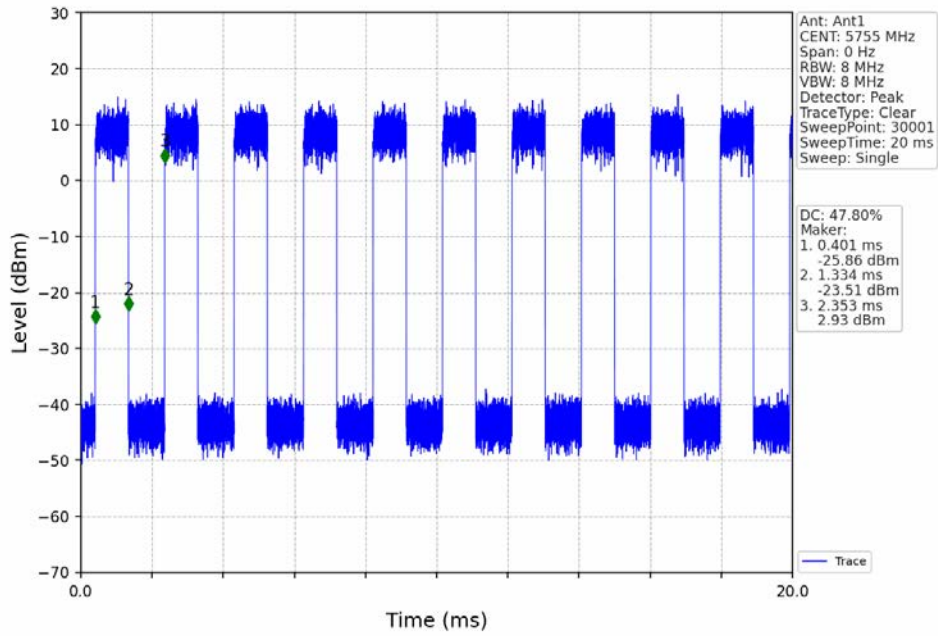
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



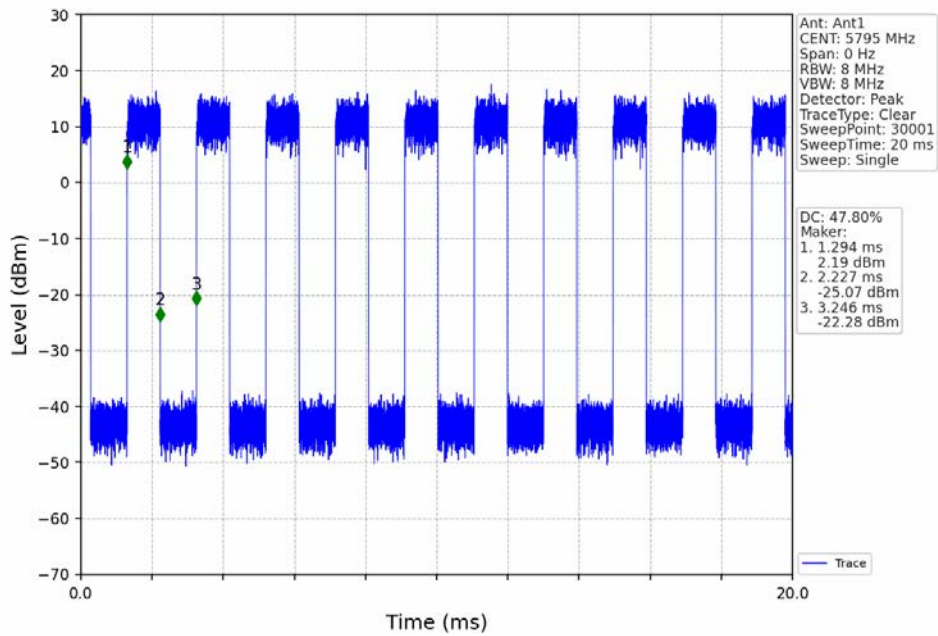
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



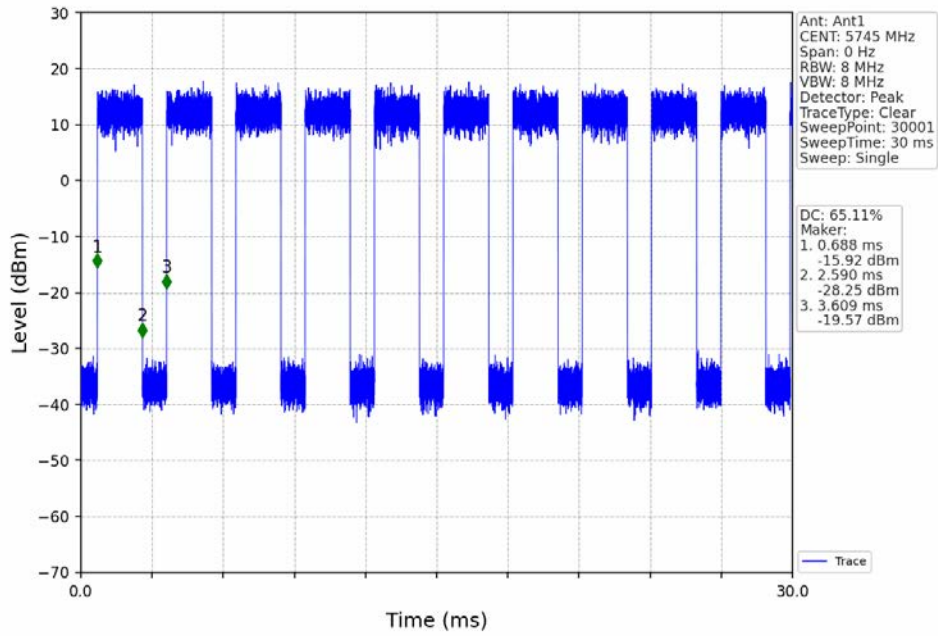
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



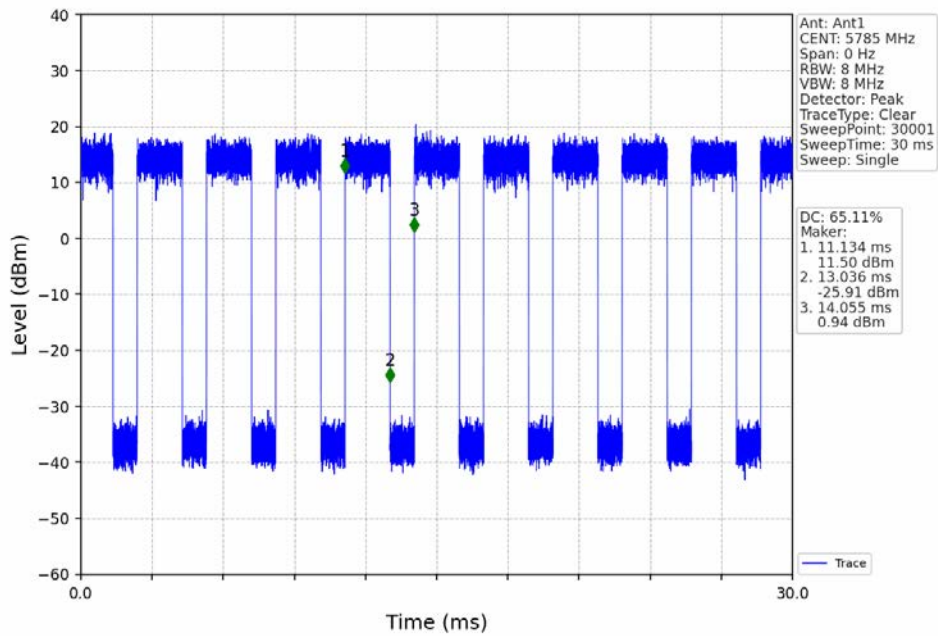
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



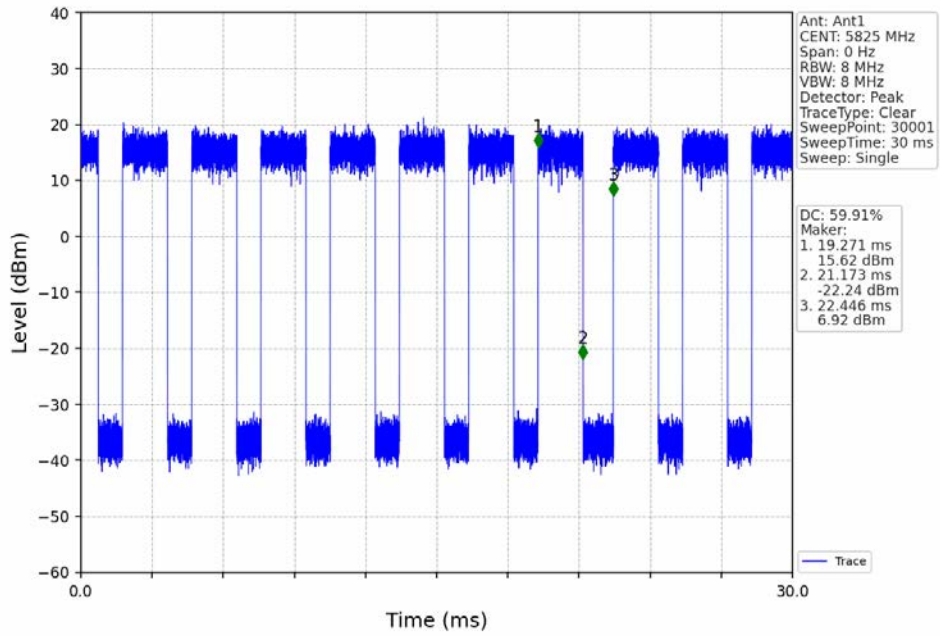
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



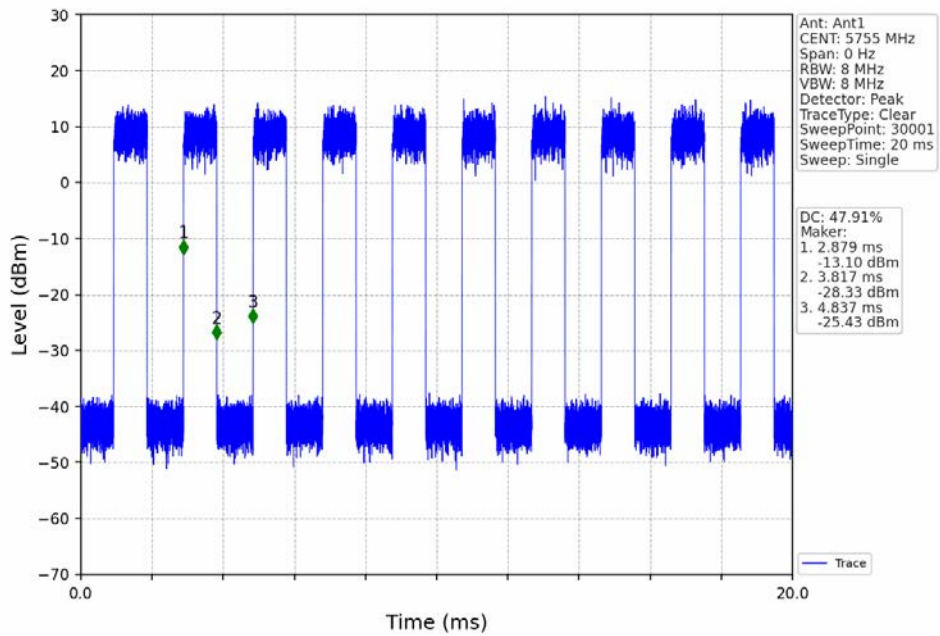
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV

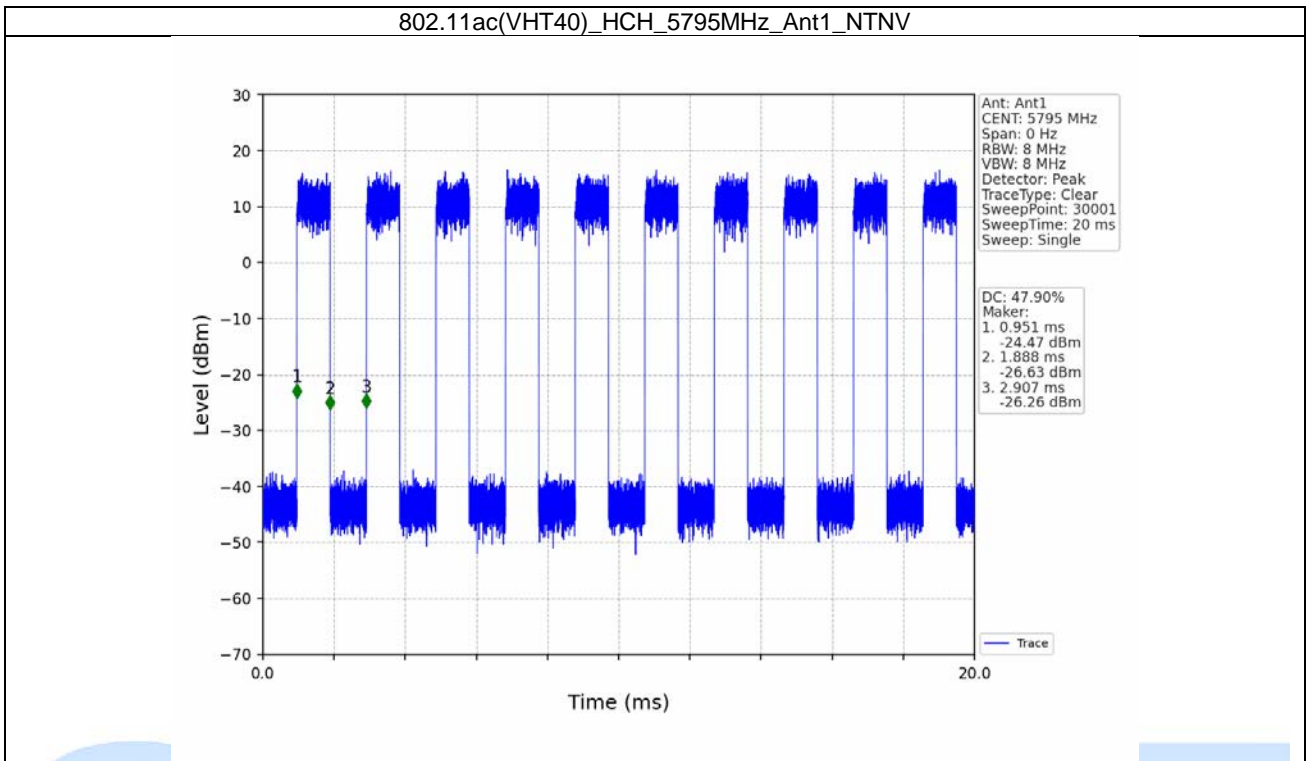


802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV





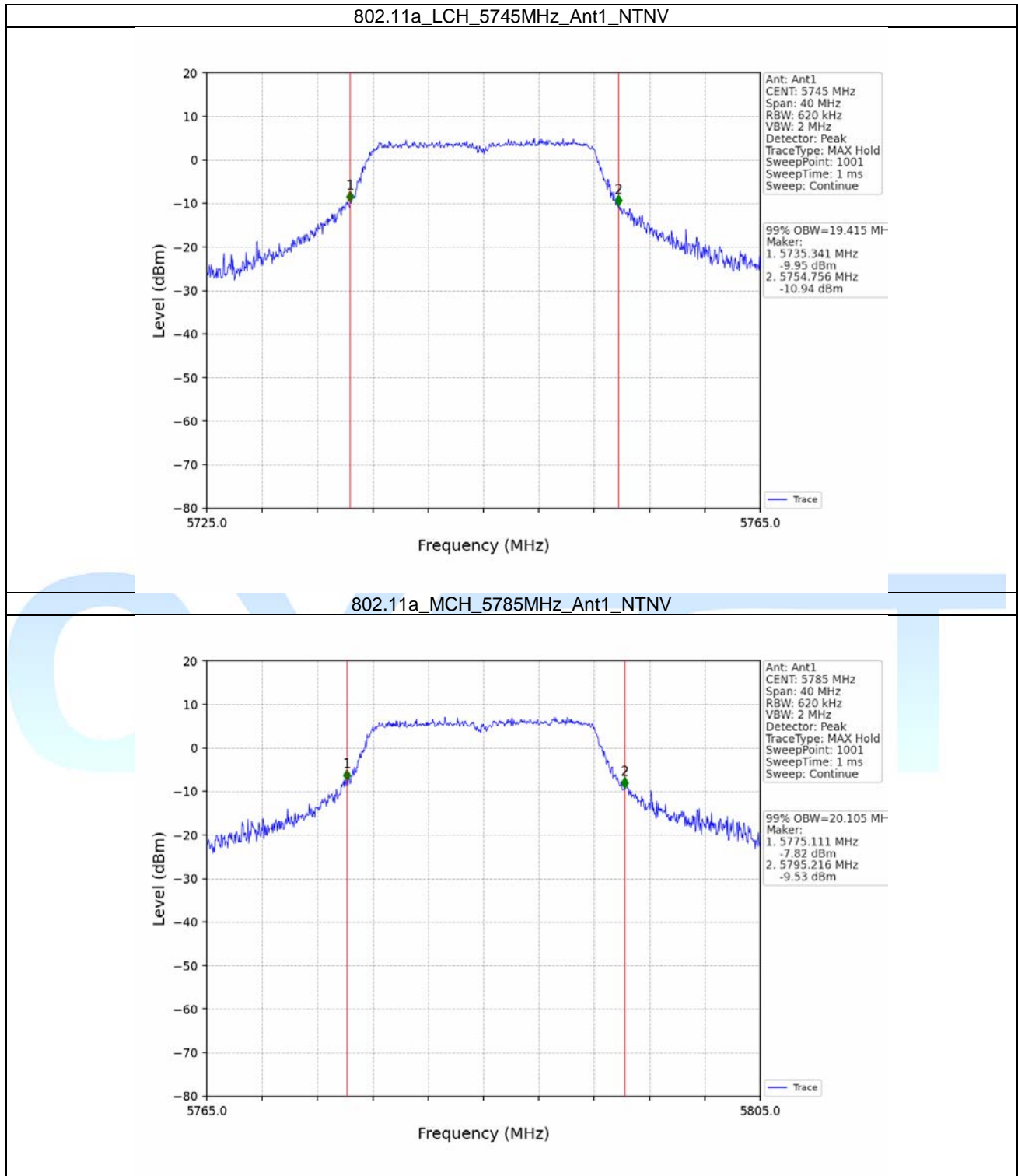
2. Bandwidth

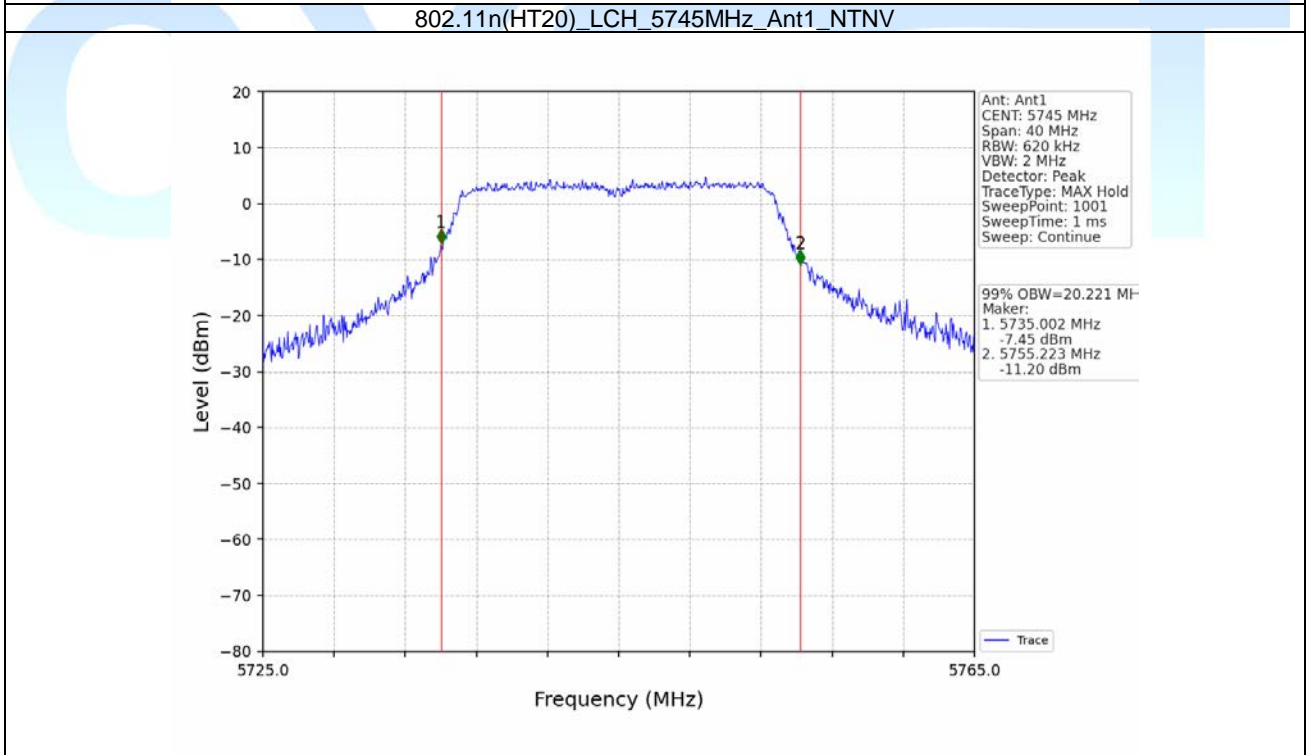
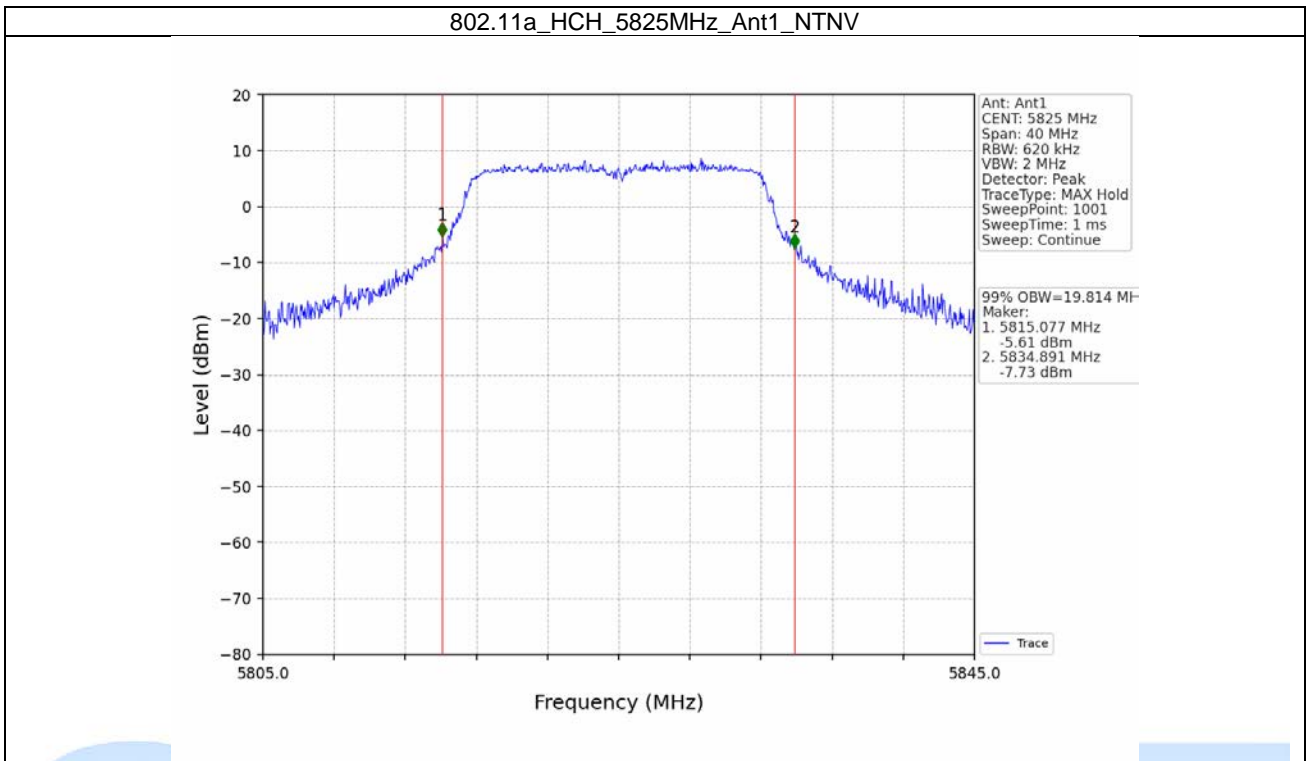
2.1 OBW

2.1.1 Test Result

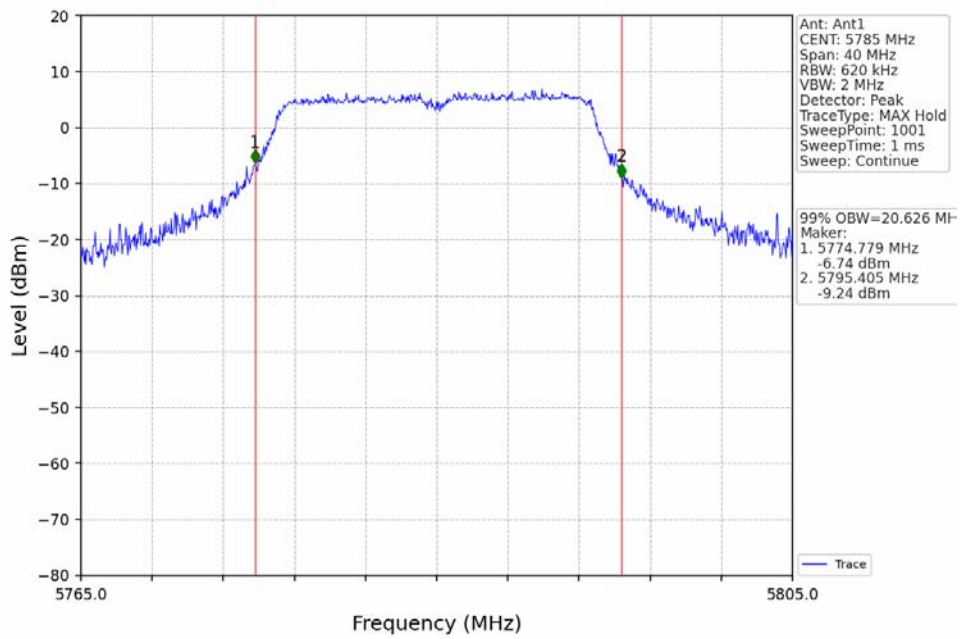
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	19.415	/	Pass
		5785	1	20.105	/	Pass
		5825	1	19.814	/	Pass
802.11n (HT20)	SISO	5745	1	20.221	/	Pass
		5785	1	20.626	/	Pass
		5825	1	20.550	/	Pass
802.11n (HT40)	SISO	5755	1	38.691	/	Pass
		5795	1	38.775	/	Pass
802.11ac (VHT20)	SISO	5745	1	20.013	/	Pass
		5785	1	20.581	/	Pass
		5825	1	20.232	/	Pass
802.11ac (VHT40)	SISO	5755	1	38.894	/	Pass
		5795	1	38.937	/	Pass

2.1.2 Test Graph

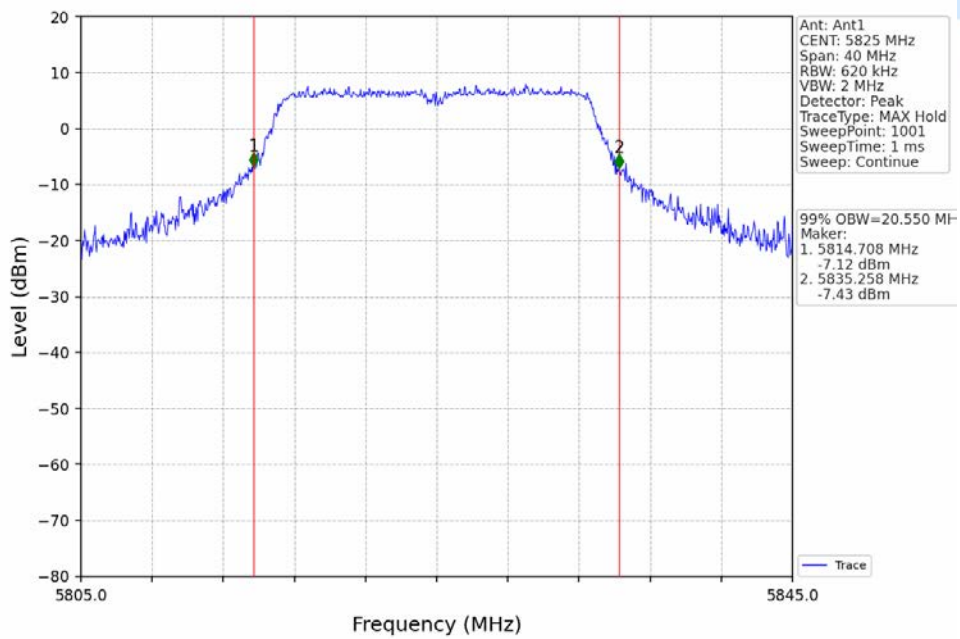




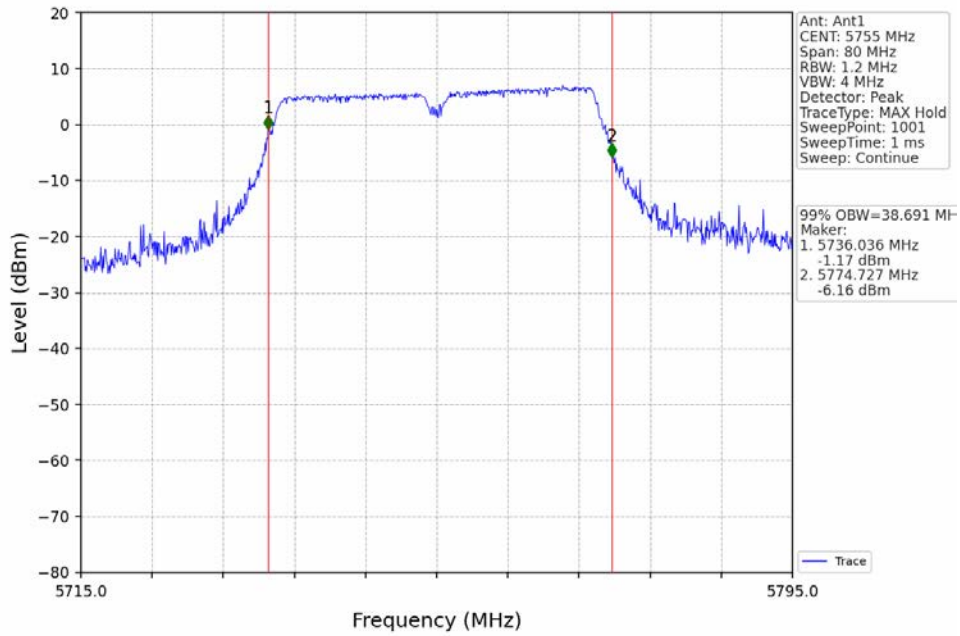
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



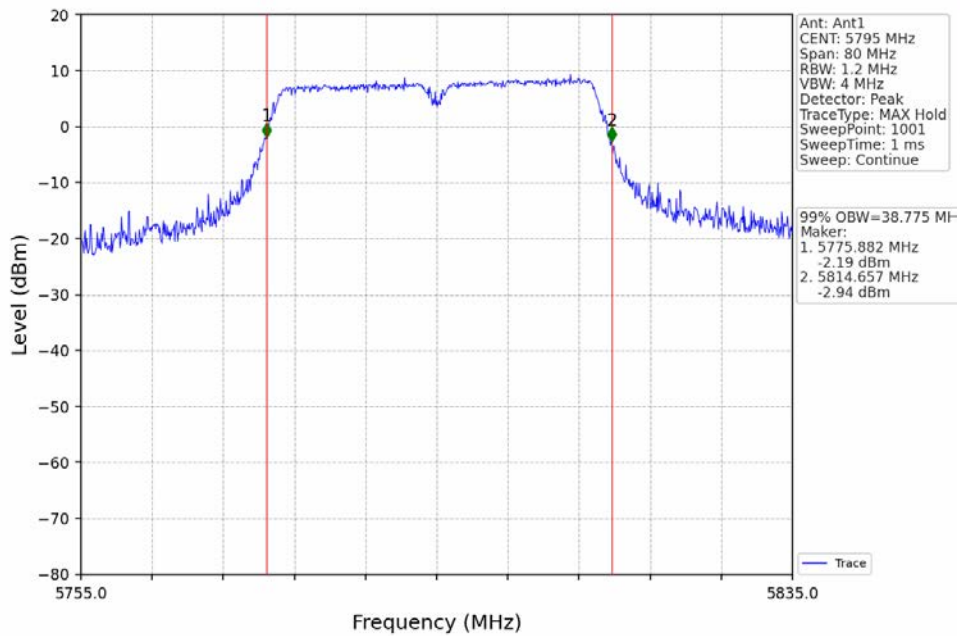
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV

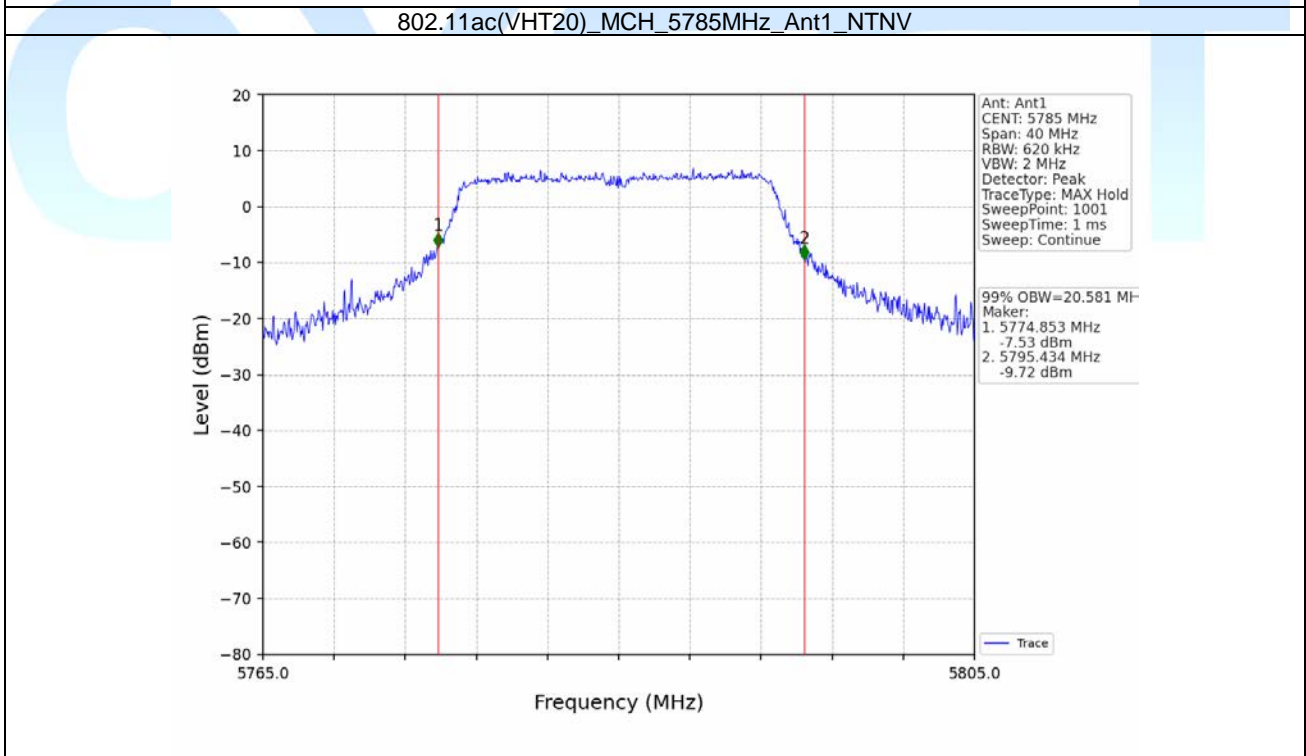
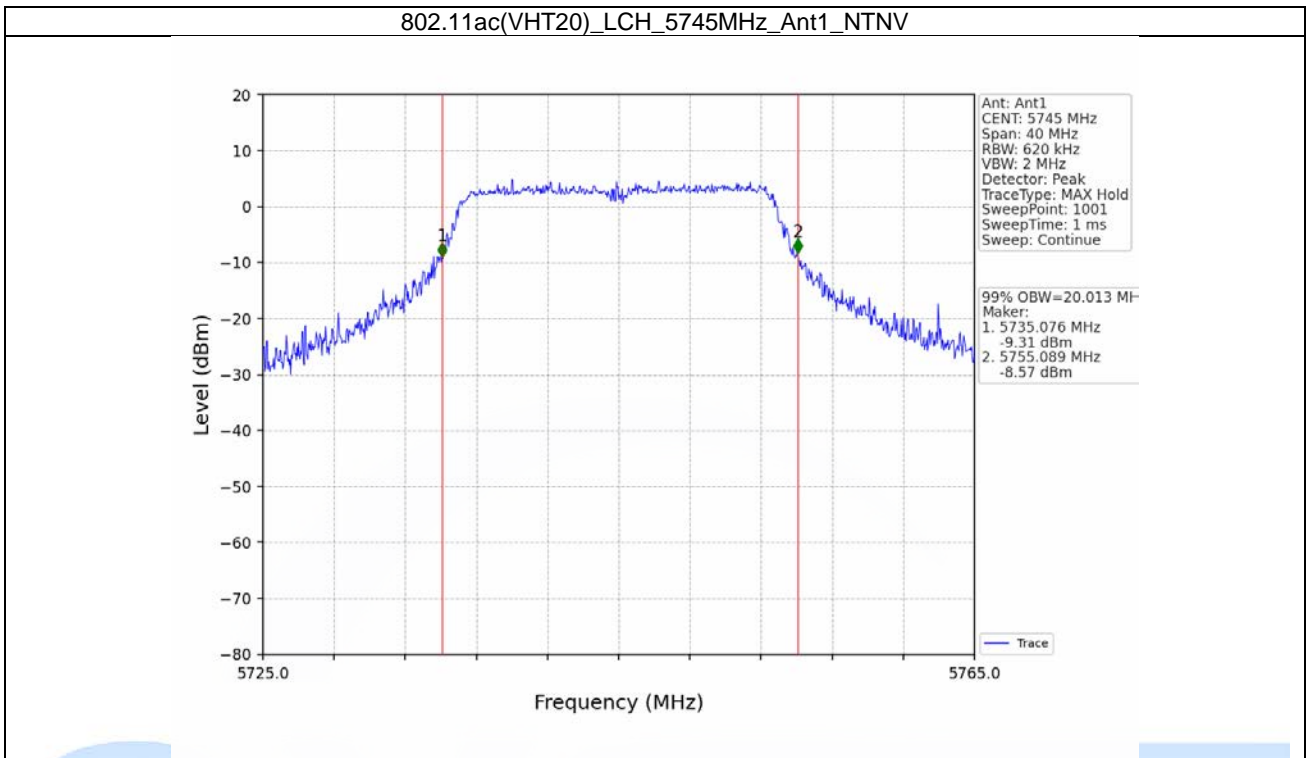


802.11n(HT40)_LCH_5755MHz_Ant1_NTNV

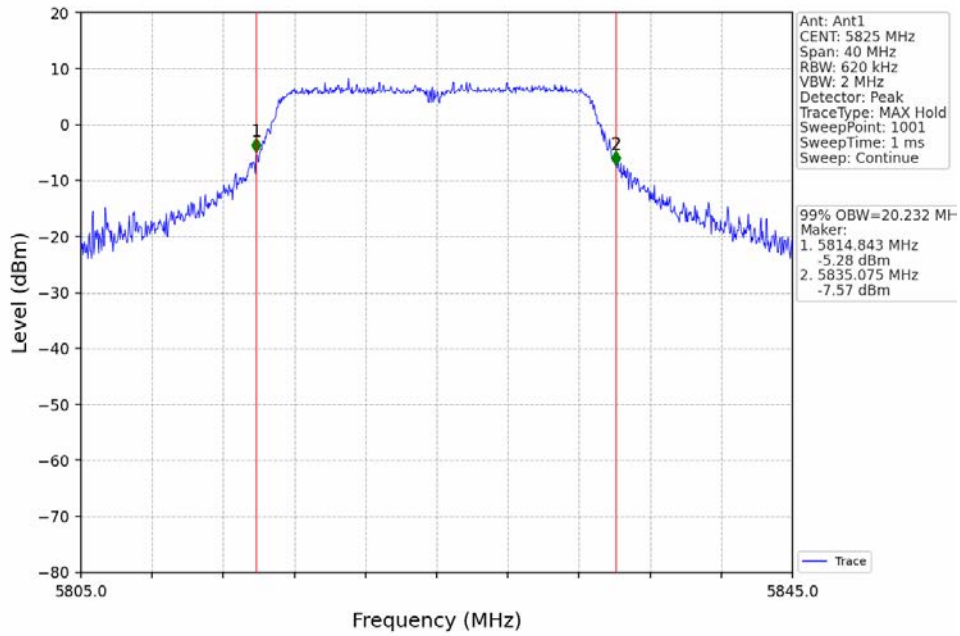


802.11n(HT40)_HCH_5795MHz_Ant1_NTNV

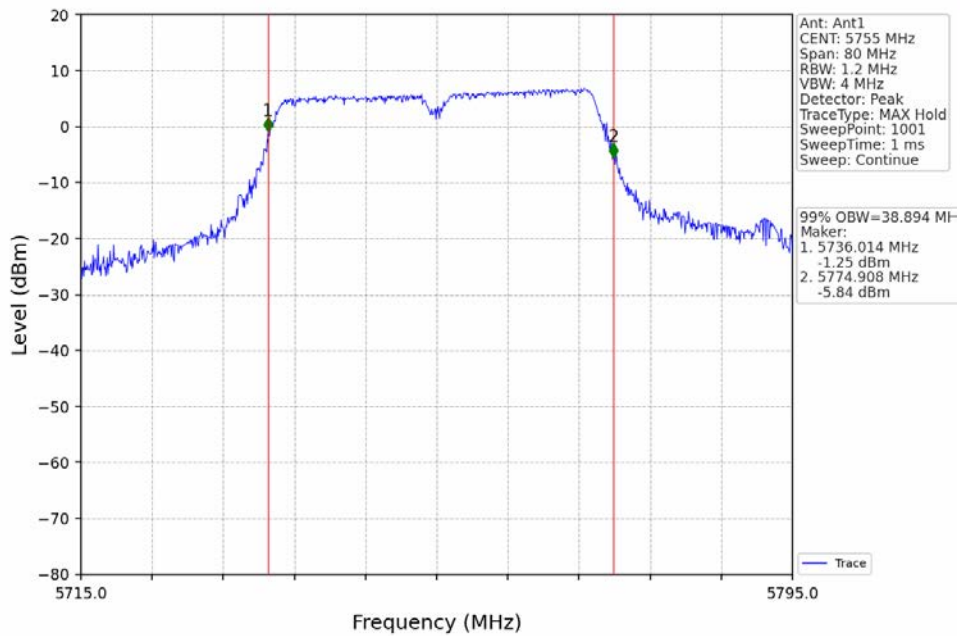


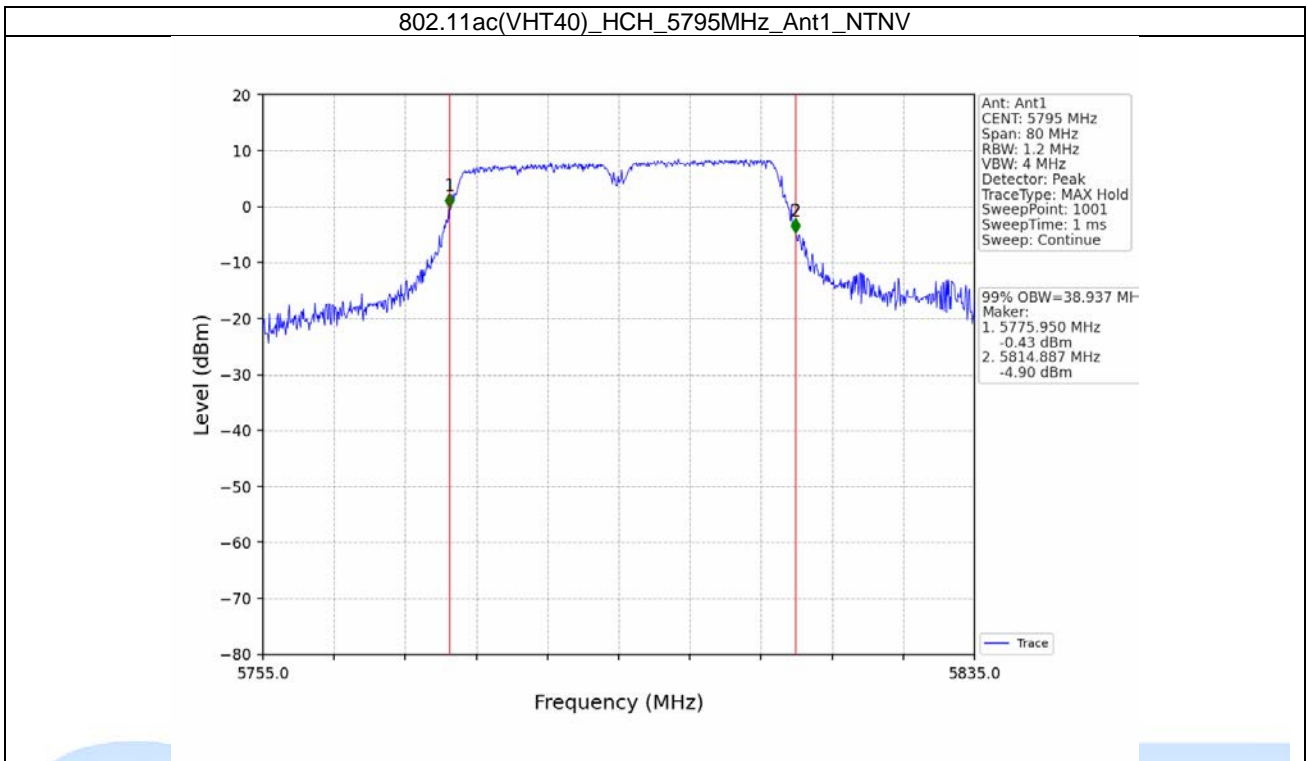


802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



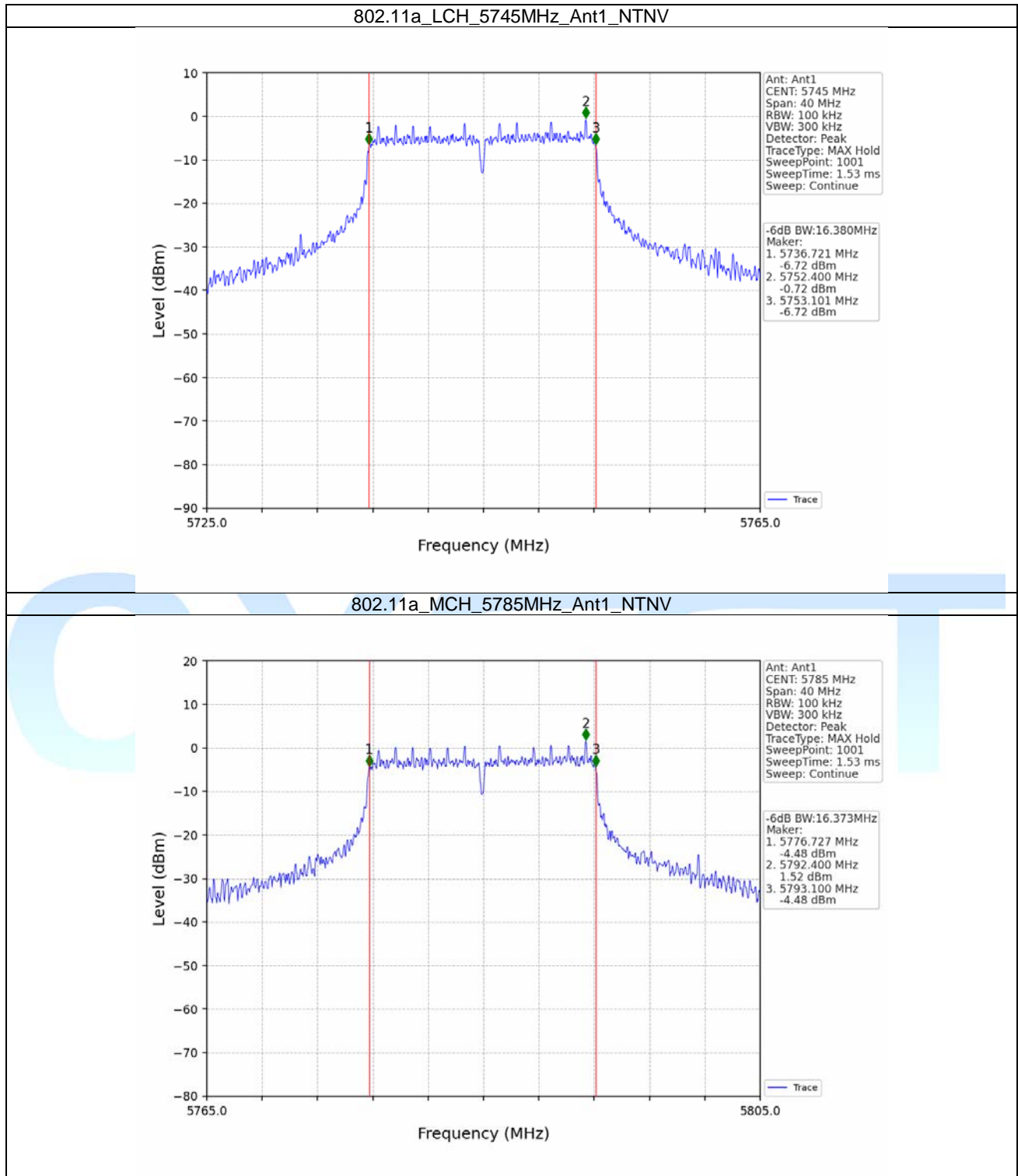


2.2 6dB BW

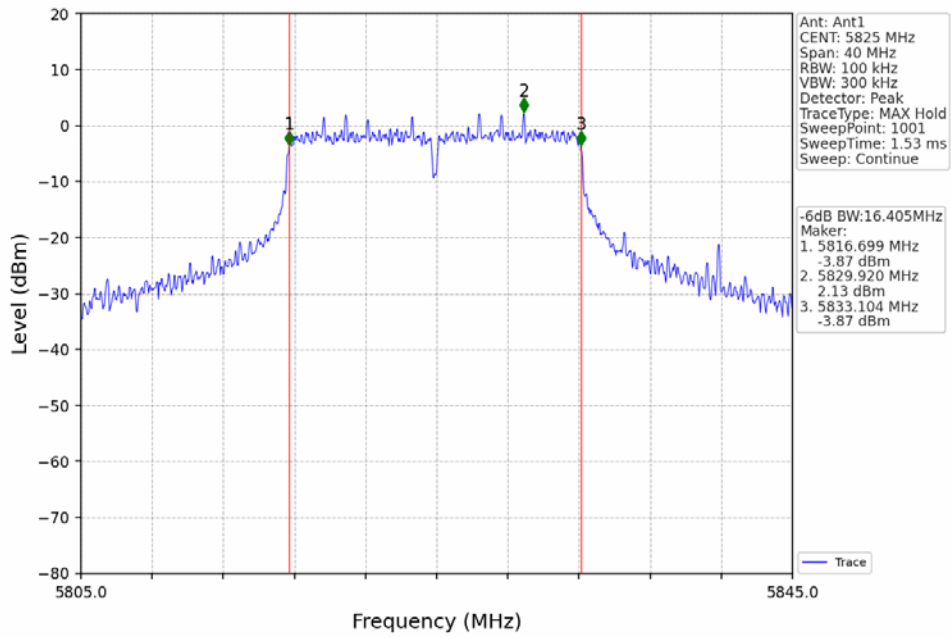
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.380	≥ 0.5	Pass
		5785	1	16.373	≥ 0.5	Pass
		5825	1	16.405	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	1	17.615	≥ 0.5	Pass
		5785	1	17.622	≥ 0.5	Pass
		5825	1	17.626	≥ 0.5	Pass
802.11n (HT40)	SISO	5755	1	35.778	≥ 0.5	Pass
		5795	1	35.772	≥ 0.5	Pass
802.11ac (VHT20)	SISO	5745	1	17.608	≥ 0.5	Pass
		5785	1	17.609	≥ 0.5	Pass
		5825	1	17.619	≥ 0.5	Pass
802.11ac (VHT40)	SISO	5755	1	35.778	≥ 0.5	Pass
		5795	1	36.351	≥ 0.5	Pass

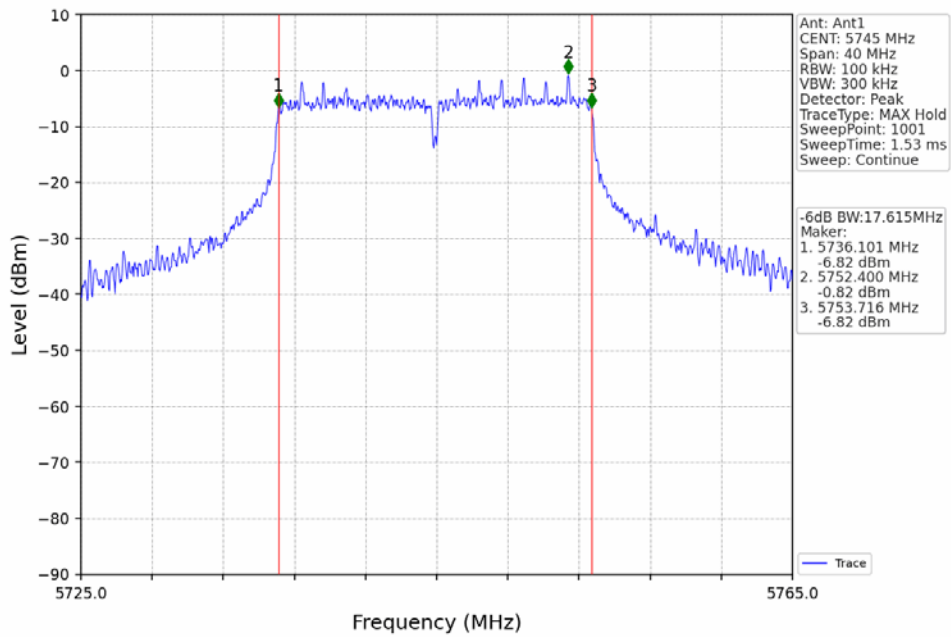
2.2.2 Test Graph



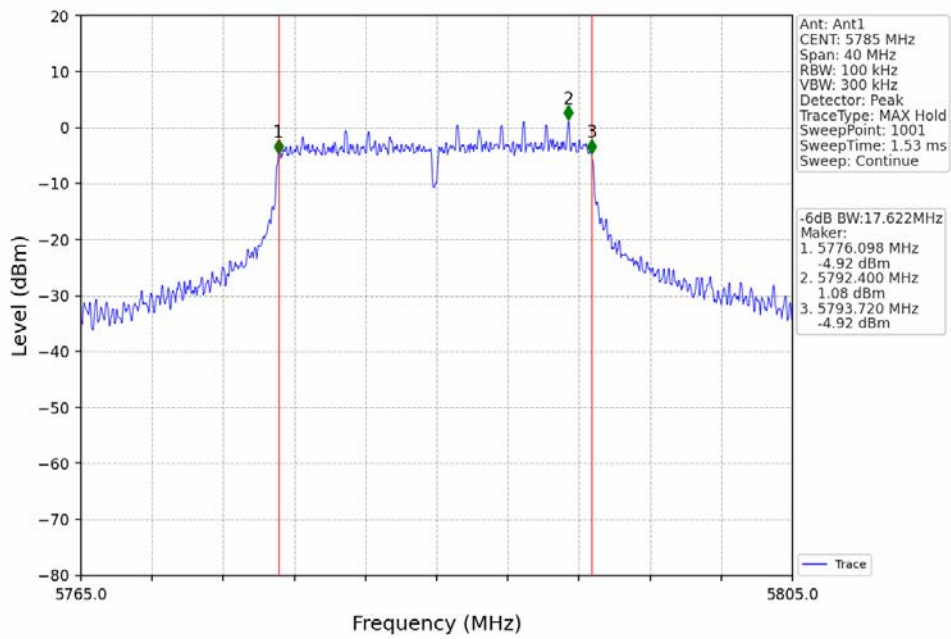
802.11a_HCH_5825MHz_Ant1_NTNV



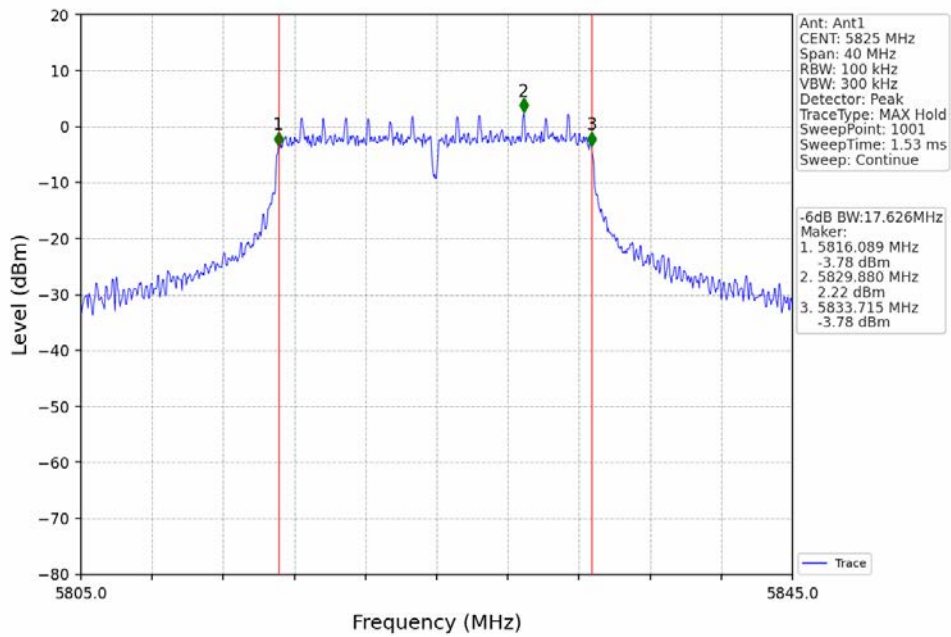
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



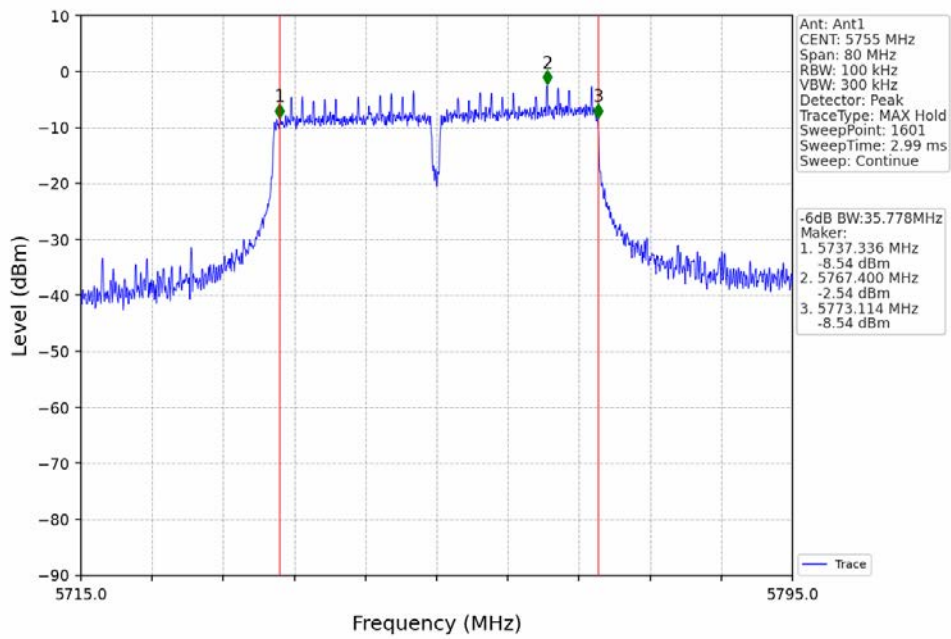
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



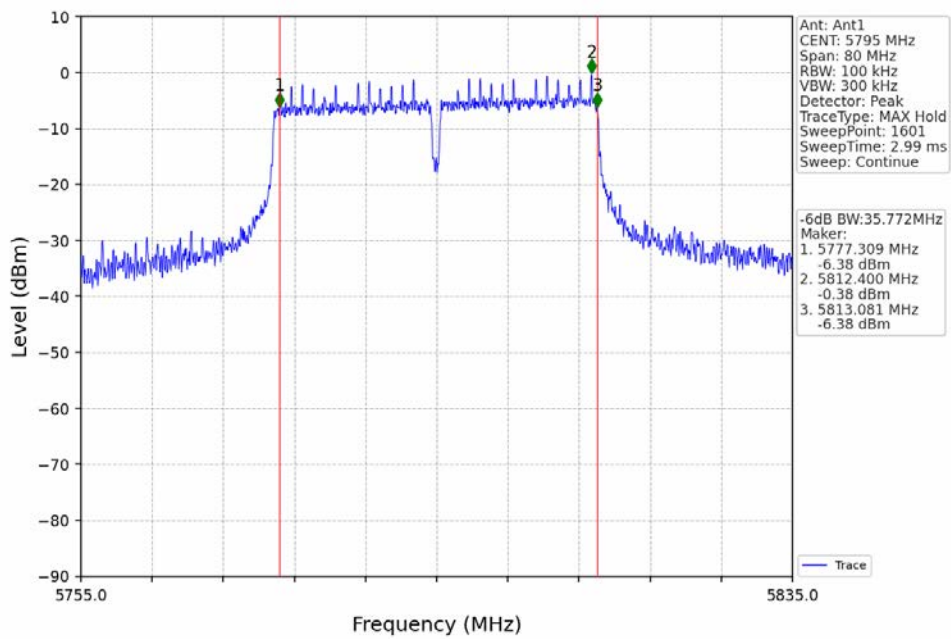
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



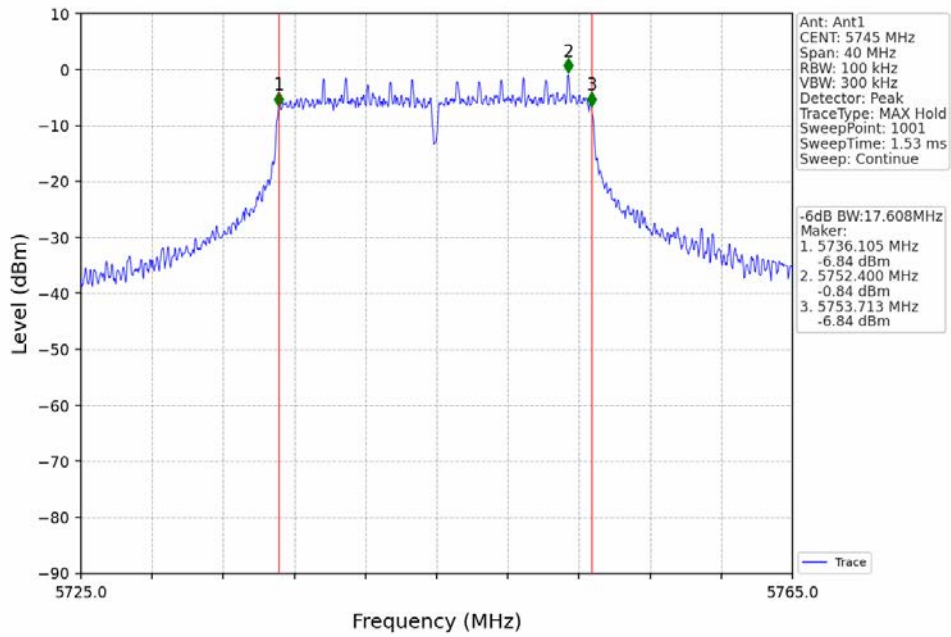
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



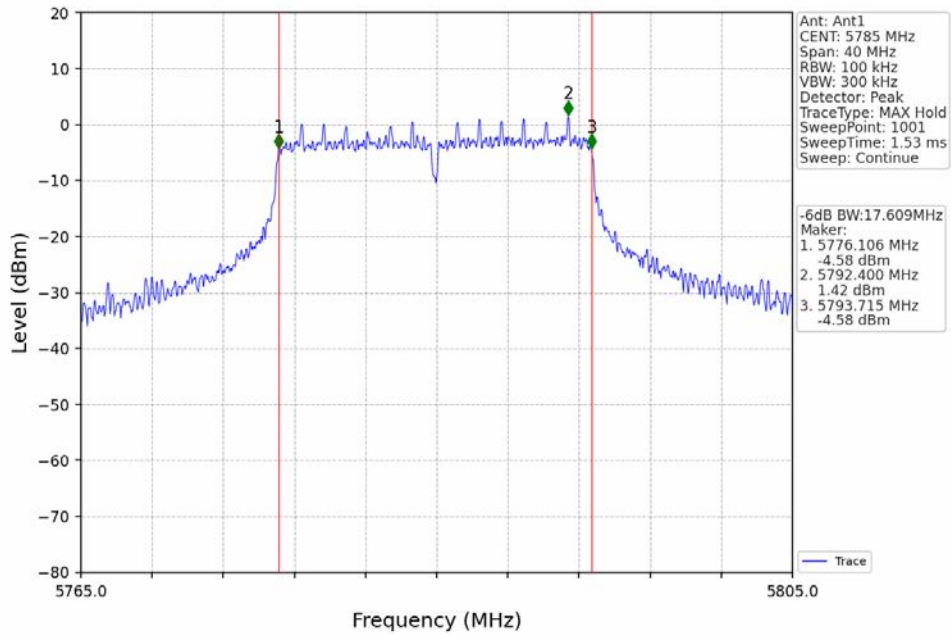
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



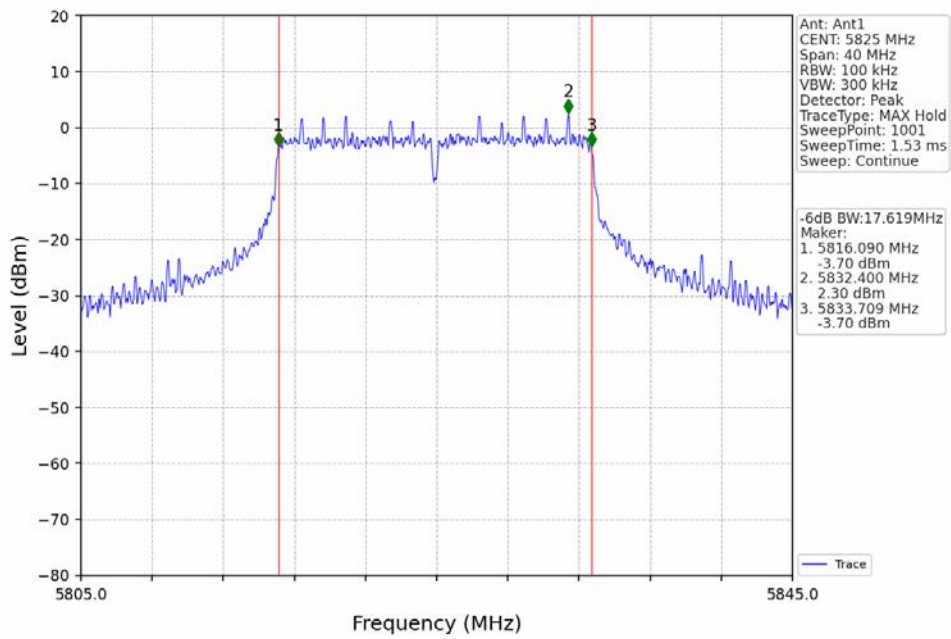
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



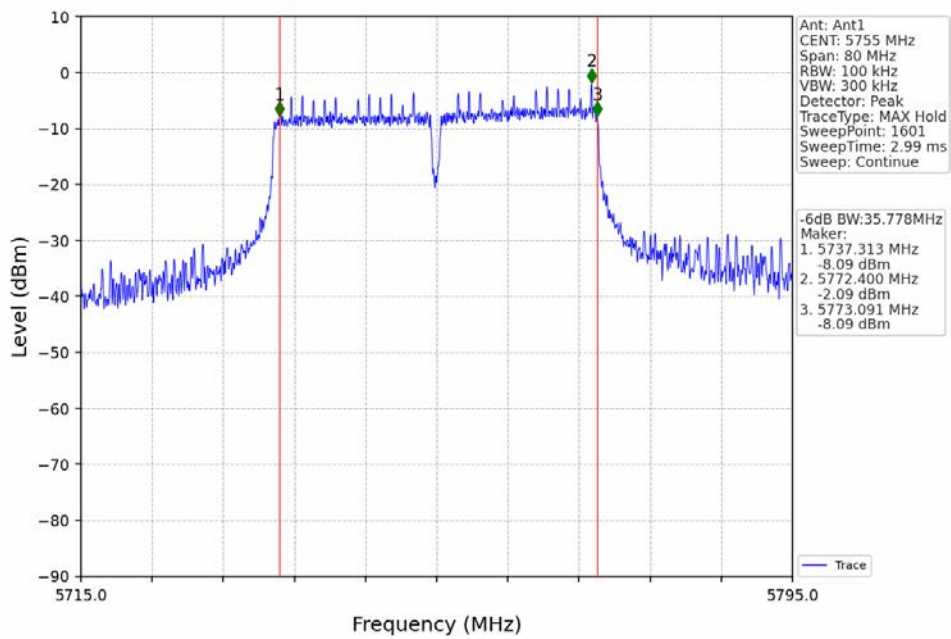
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



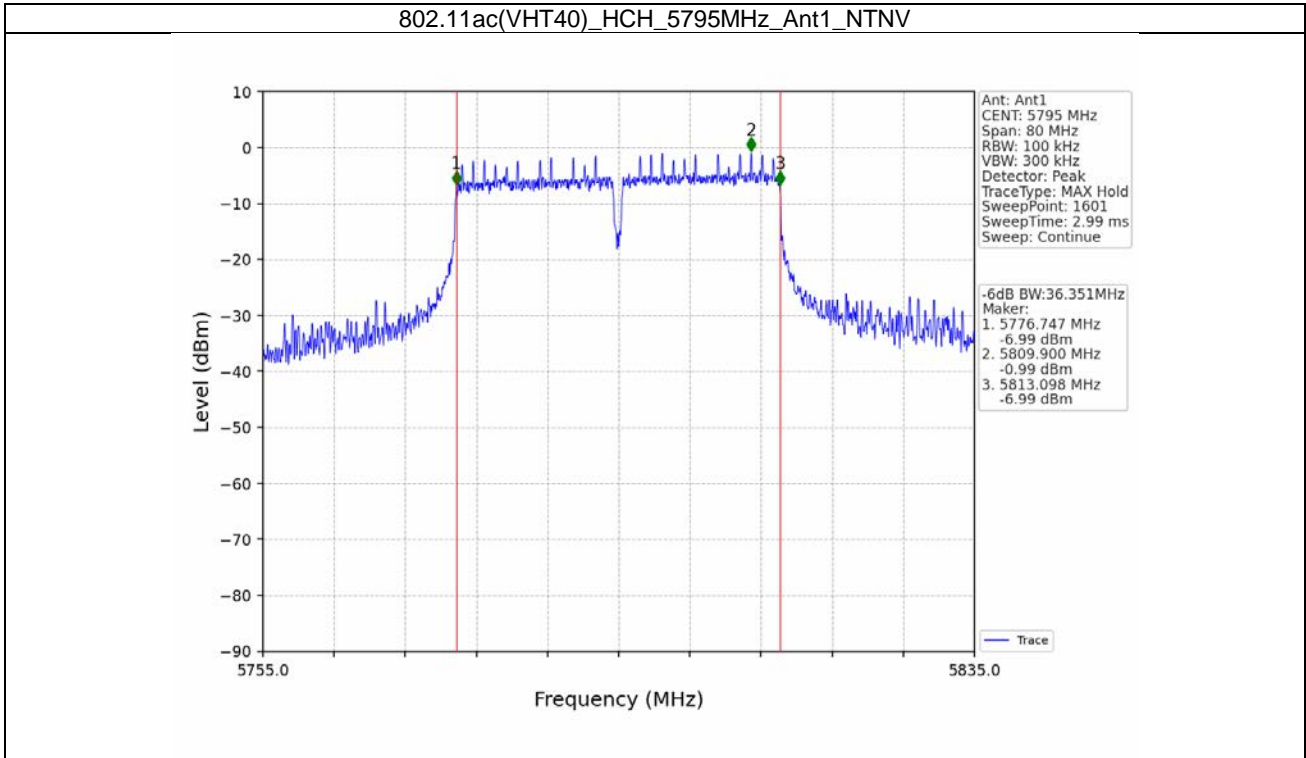
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	10.70	<=30	Pass
		5785	12.58	<=30	Pass
		5825	13.55	<=30	Pass
802.11n (HT20)	SISO	5745	10.43	<=30	Pass
		5785	12.44	<=30	Pass
		5825	13.94	<=30	Pass
802.11n (HT40)	SISO	5755	11.18	<=30	Pass
		5795	13.33	<=30	Pass
802.11ac (VHT20)	SISO	5745	10.32	<=30	Pass
		5785	12.33	<=30	Pass
		5825	13.84	<=30	Pass
802.11ac (VHT40)	SISO	5755	11.25	<=30	Pass
		5795	13.21	<=30	Pass

Note1: Antenna Gain: Ant1: 1.62dBi;

4. Maximum Power Spectral Density

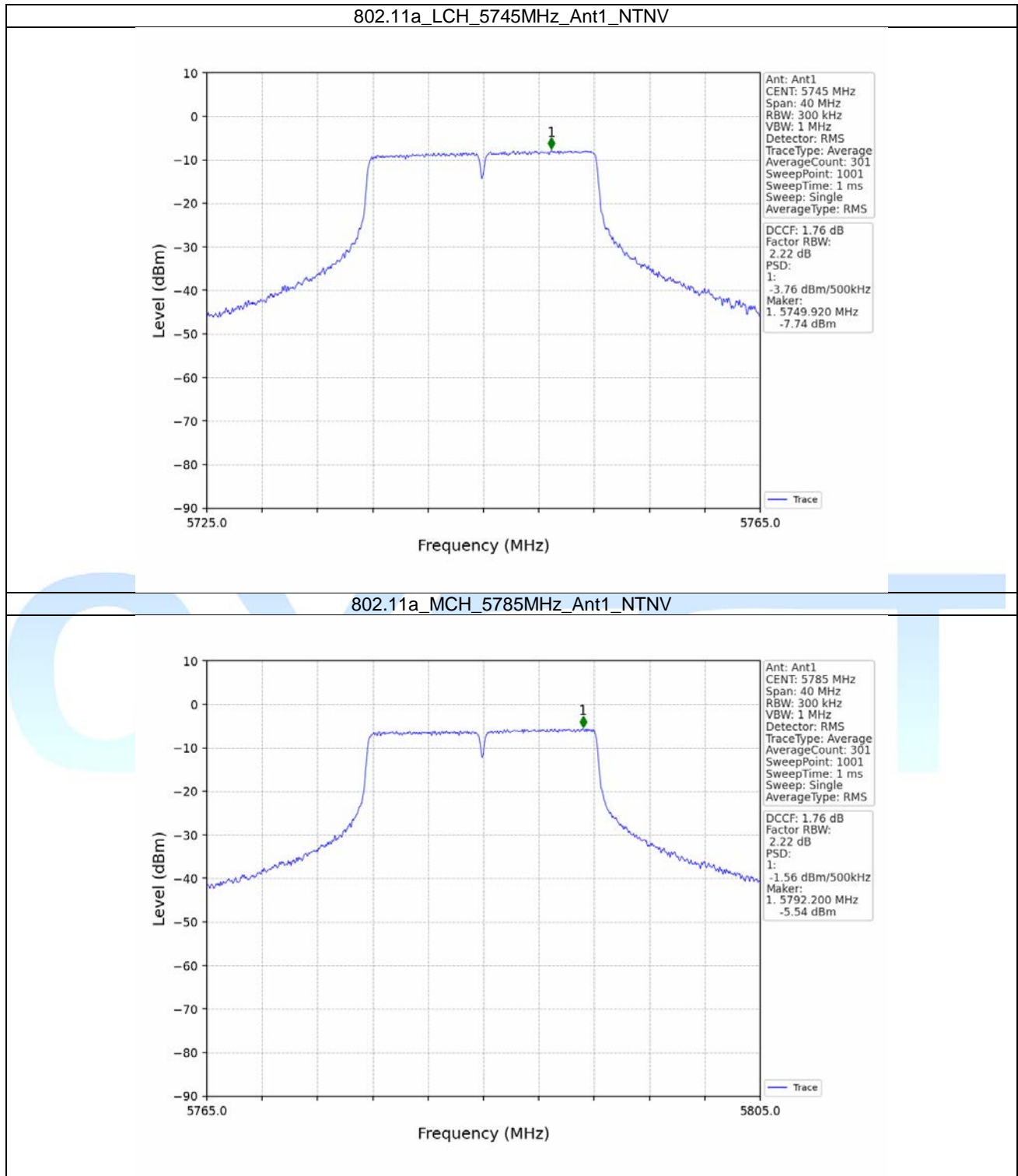
4.1 PSD-Band3

4.1.1 Test Result

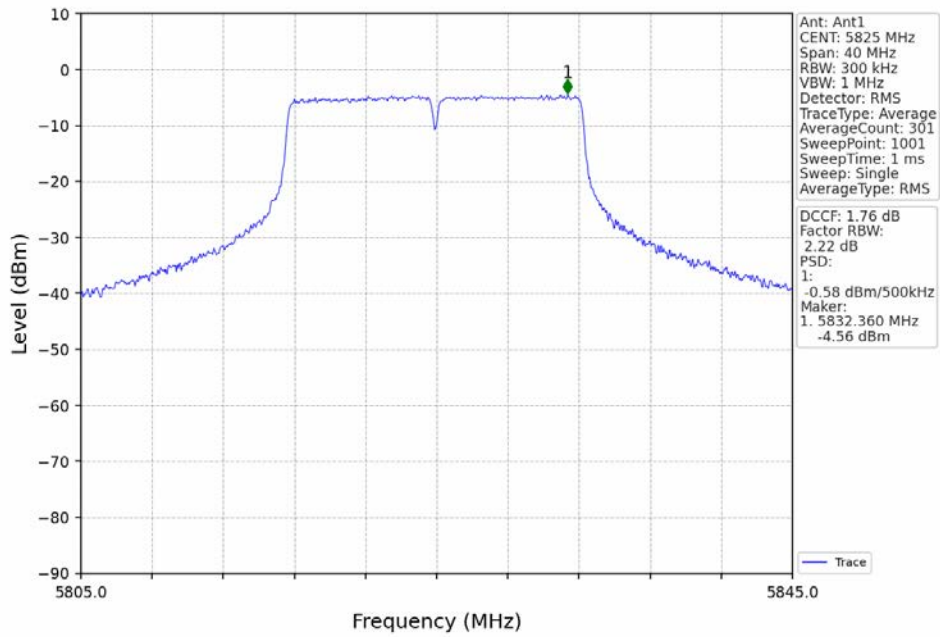
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-3.76	<=30	Pass
		5785	-1.56	<=30	Pass
		5825	-0.58	<=30	Pass
802.11n (HT20)	SISO	5745	-4.42	<=30	Pass
		5785	-2.13	<=30	Pass
		5825	-0.82	<=30	Pass
802.11n (HT40)	SISO	5755	-5.65	<=30	Pass
		5795	-3.51	<=30	Pass
802.11ac (VHT20)	SISO	5745	-3.76	<=30	Pass
		5785	-1.82	<=30	Pass
		5825	-0.92	<=30	Pass
802.11ac (VHT40)	SISO	5755	-5.74	<=30	Pass
		5795	-3.52	<=30	Pass

Note1: Antenna Gain: Ant1: 1.62dBi;
 Note2: Result contains DCCF and RBW Correction Factor
 Note3: RBW Correction Factor= $10 \cdot \log(500\text{kHz}/\text{RBW}) = 10 \cdot \log(500\text{kHz}/300\text{kHz}) = 2.22$

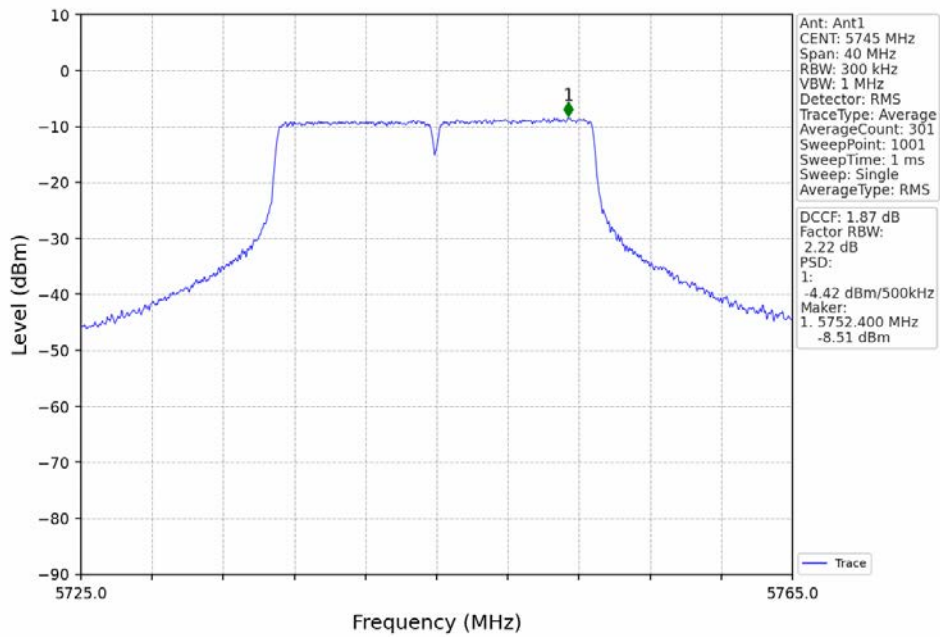
4.1.2 Test Graph



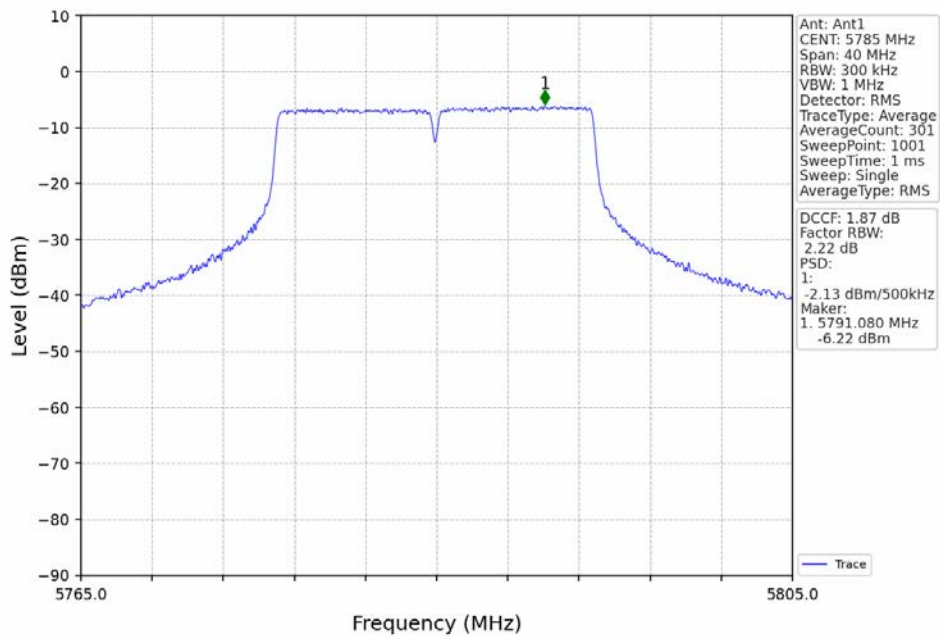
802.11a_HCH_5825MHz_Ant1_NTNV



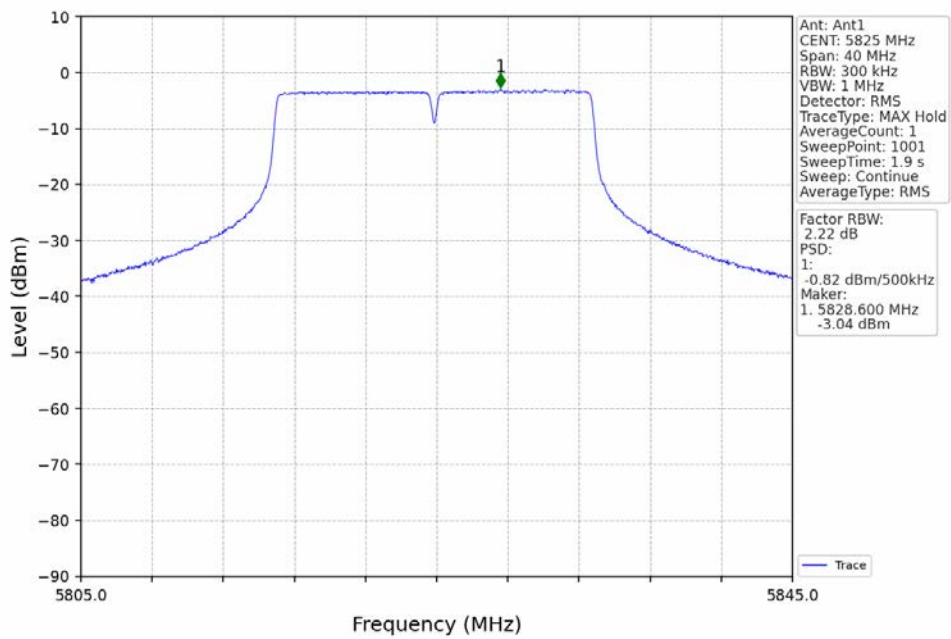
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



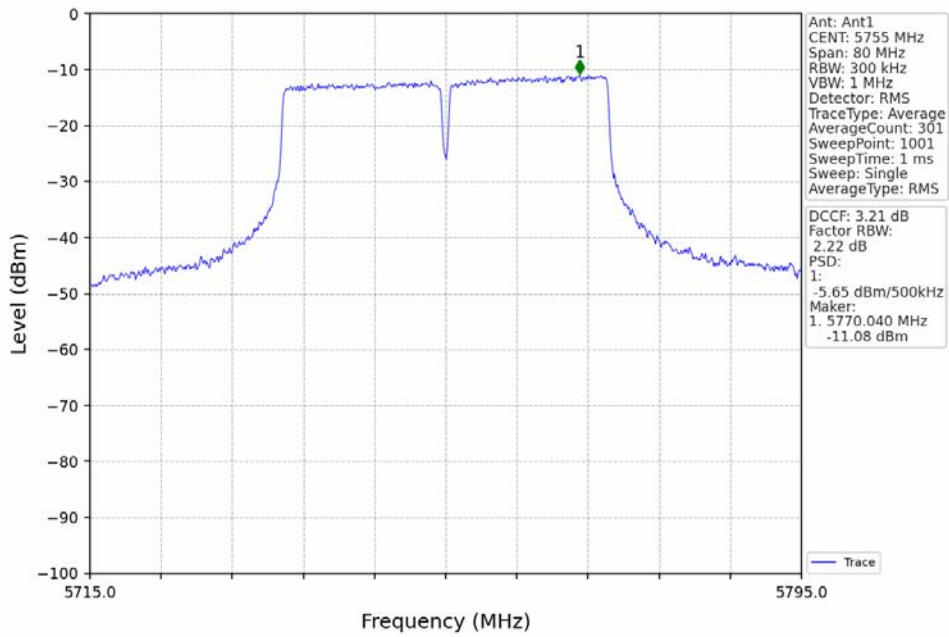
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



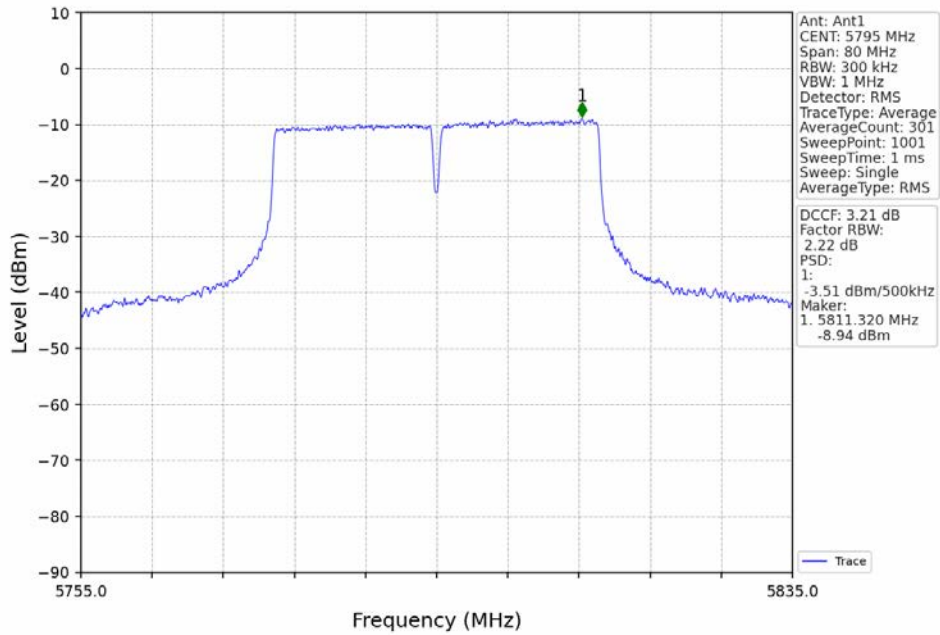
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



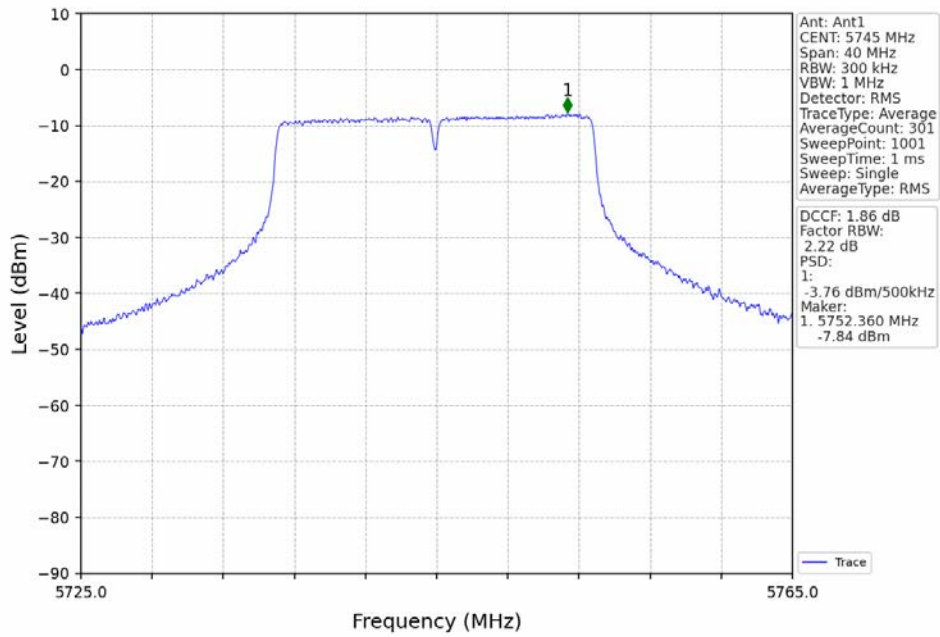
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



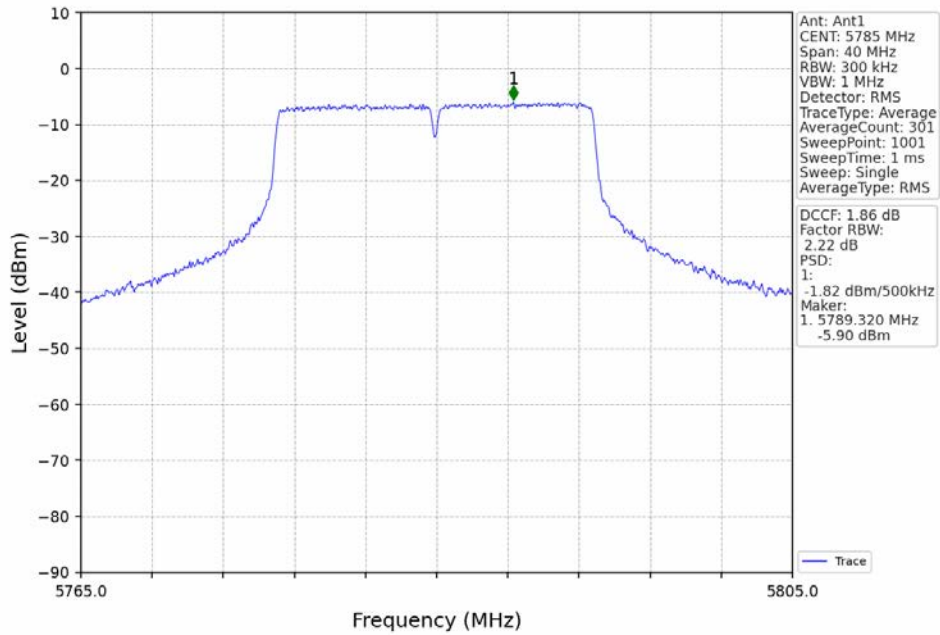
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



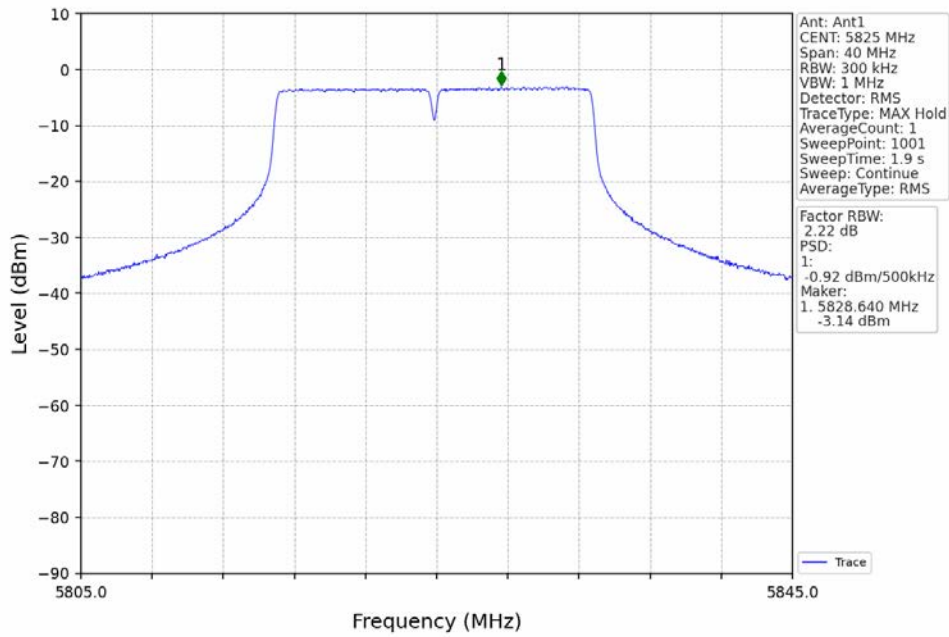
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



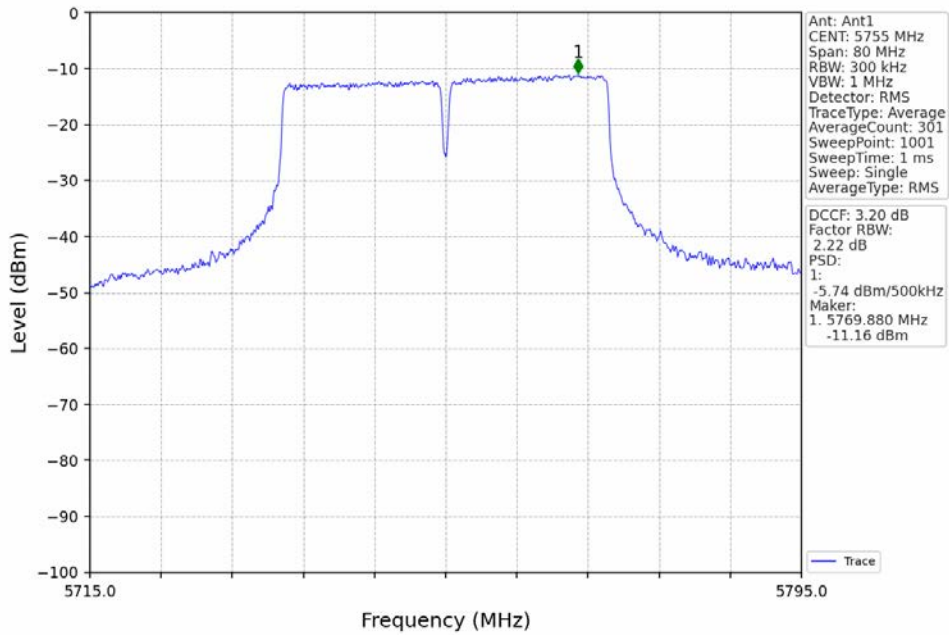
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



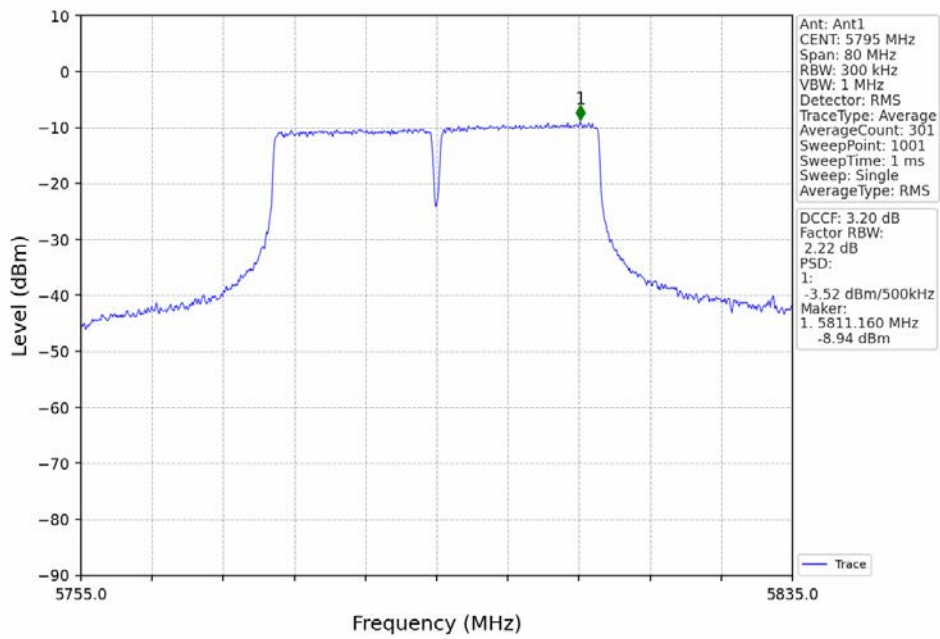
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



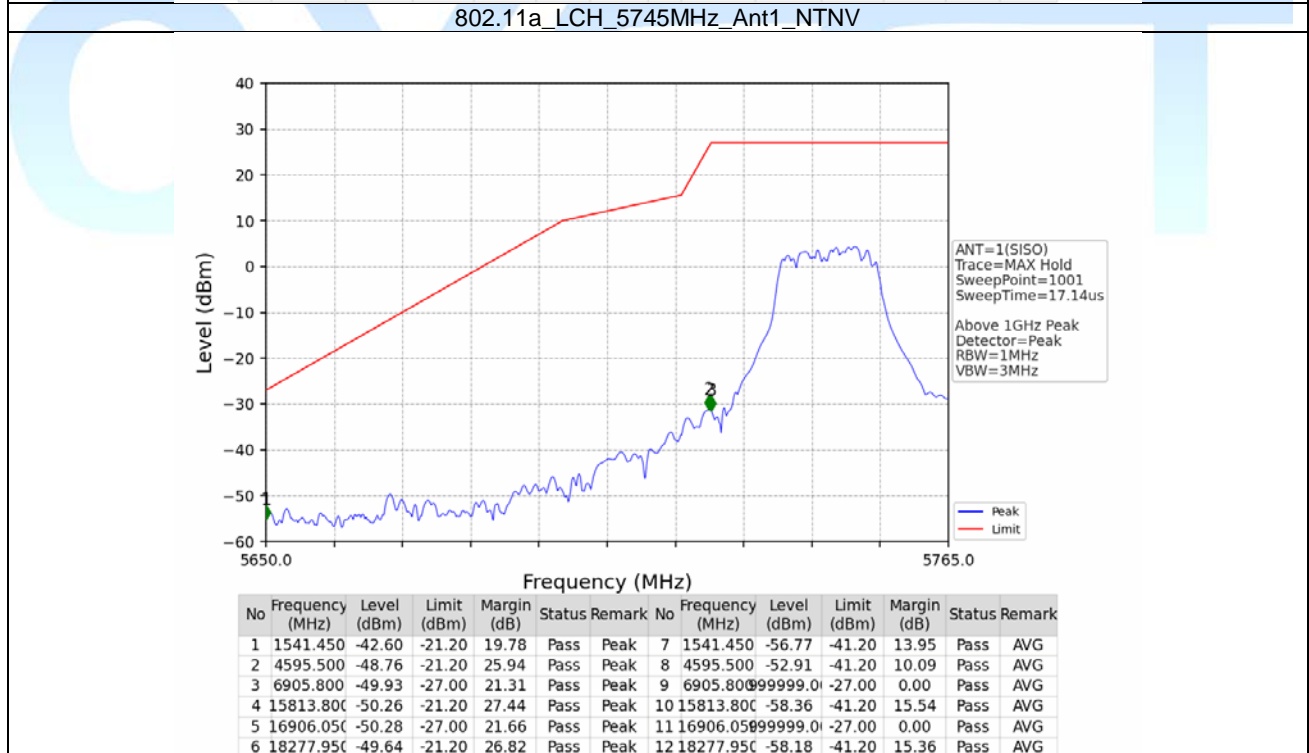
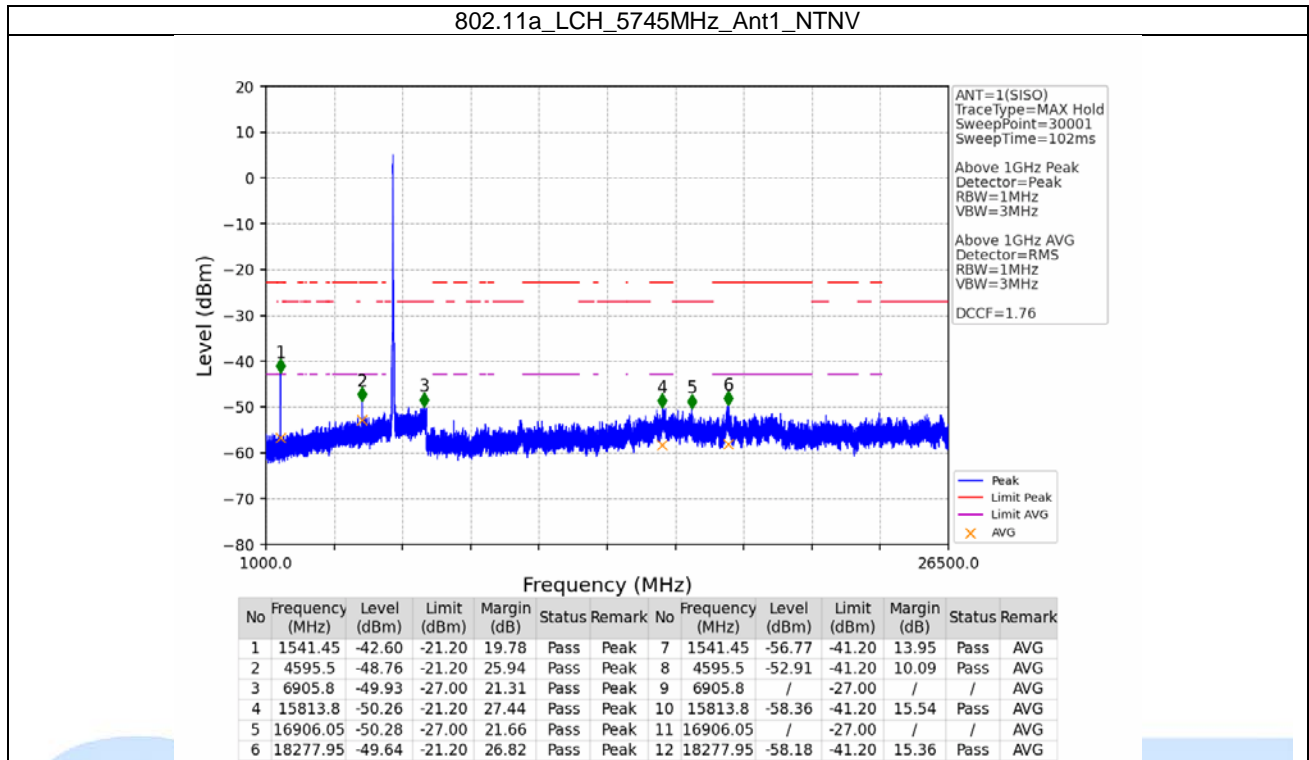
5. Unwanted Emissions In Restricted Frequency Bands

5.1 RSE

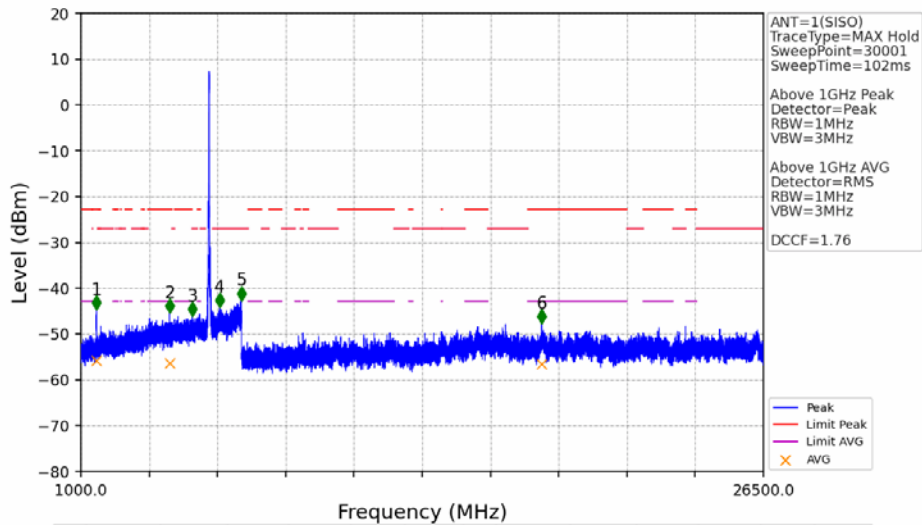
5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Unwanted Emissions (dBm)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	Refer To Test Graph		Pass
		5785	1	Refer To Test Graph		Pass
		5825	1	Refer To Test Graph		Pass
802.11n (HT20)	SISO	5745	1	Refer To Test Graph		Pass
		5785	1	Refer To Test Graph		Pass
		5825	1	Refer To Test Graph		Pass
802.11n (HT40)	SISO	5755	1	Refer To Test Graph		Pass
		5795	1	Refer To Test Graph		Pass
802.11ac (VHT20)	SISO	5745	1	Refer To Test Graph		Pass
		5785	1	Refer To Test Graph		Pass
		5825	1	Refer To Test Graph		Pass
802.11ac (VHT40)	SISO	5755	1	Refer To Test Graph		Pass
		5795	1	Refer To Test Graph		Pass

5.1.2 Test Graph

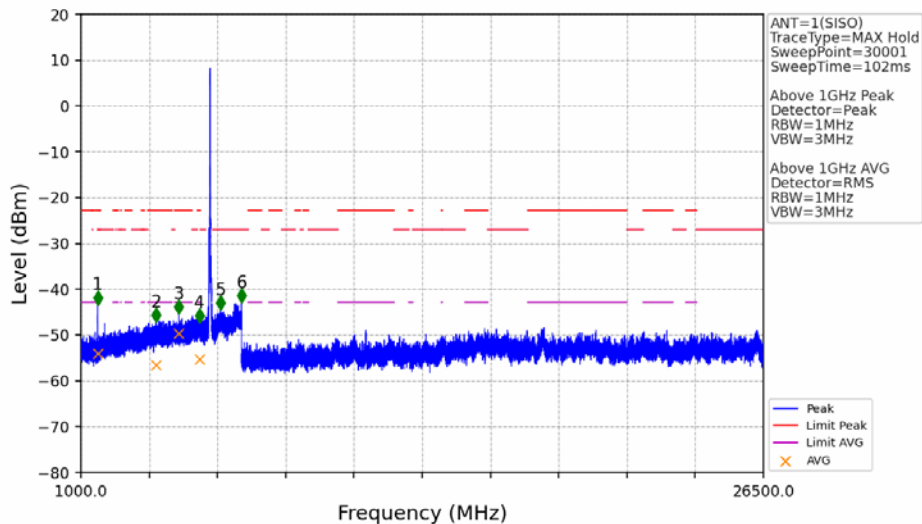


802.11a_MCH_5785MHz_Ant1_NTNV



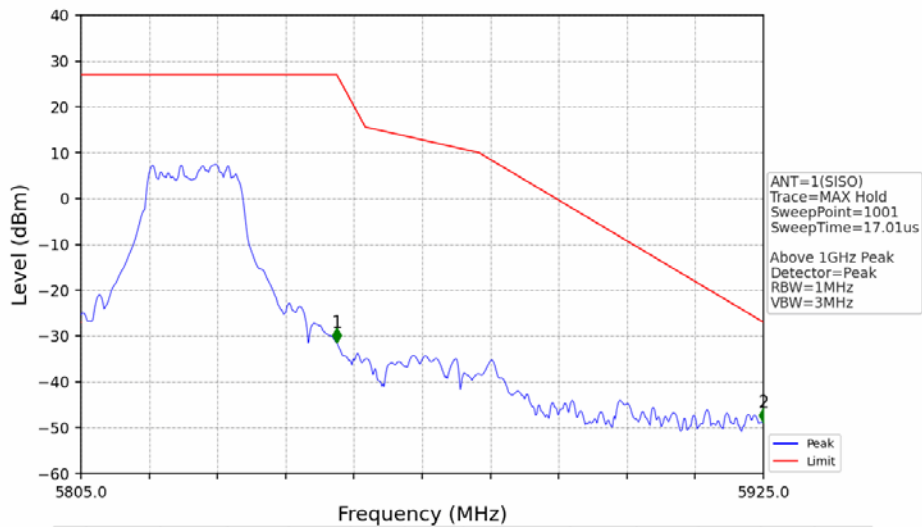
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	1583.1	-44.70	-21.20	21.88	Pass	Peak	7	1583.1	-55.79	-41.20	12.97	Pass	AVG
2	4305.65	-45.49	-21.20	22.67	Pass	Peak	8	4305.65	-56.42	-41.20	13.60	Pass	AVG
3	5152.25	-46.18	-27.00	17.56	Pass	Peak	9	5152.25	/	-27.00	/	/	AVG
4	6172.25	-44.27	-27.00	15.65	Pass	Peak	10	6172.25	/	-27.00	/	/	AVG
5	6986.55	-42.71	-27.00	14.09	Pass	Peak	11	6986.55	/	-27.00	/	/	AVG
6	18216.75	-47.69	-21.20	24.86	Pass	Peak	12	18216.75	-56.49	-41.20	13.67	Pass	AVG

802.11a_HCH_5825MHz_Ant1_NTNV



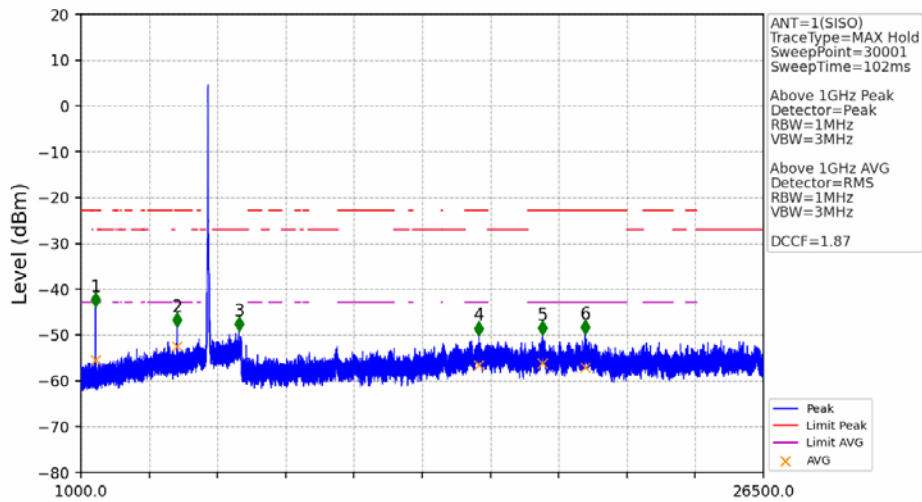
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	1619.65	-43.40	-21.20	20.58	Pass	Peak	7	1619.65	-54.15	-41.20	11.33	Pass	AVG
2	3805.85	-47.26	-21.20	24.44	Pass	Peak	8	3805.85	-56.52	-41.20	13.70	Pass	AVG
3	4660.1	-45.49	-21.20	22.67	Pass	Peak	9	4660.1	-49.72	-41.20	6.90	Pass	AVG
4	5431.9	-47.38	-21.20	24.57	Pass	Peak	10	5431.9	-55.34	-41.20	12.52	Pass	AVG
5	6208.8	-44.56	-27.00	15.94	Pass	Peak	11	6208.8	/	-27.00	/	/	AVG
6	6992.5	-42.97	-27.00	14.35	Pass	Peak	12	6992.5	/	-27.00	/	/	AVG

802.11a_HCH_5825MHz_Ant1_NTNV



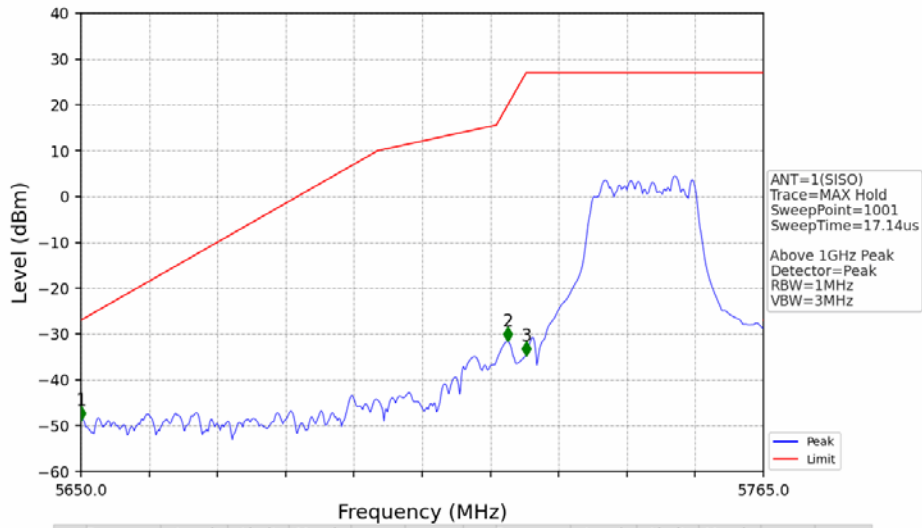
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	1619.650	-43.40	-21.20	20.58	Pass	Peak	7	1619.650	-54.15	-41.20	11.33	Pass	AVG
2	3805.850	-47.26	-21.20	24.44	Pass	Peak	8	3805.850	-56.52	-41.20	13.70	Pass	AVG
3	4660.100	-45.49	-21.20	22.67	Pass	Peak	9	4660.100	-49.72	-41.20	6.90	Pass	AVG
4	5431.900	-47.38	-21.20	24.57	Pass	Peak	10	5431.900	-55.34	-41.20	12.52	Pass	AVG
5	6208.800	-44.56	-27.00	15.94	Pass	Peak	11	6208.800	-49.99	-27.00	0.00	Pass	AVG
6	6992.500	-42.97	-27.00	14.35	Pass	Peak	12	6992.500	-49.99	-27.00	0.00	Pass	AVG

802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



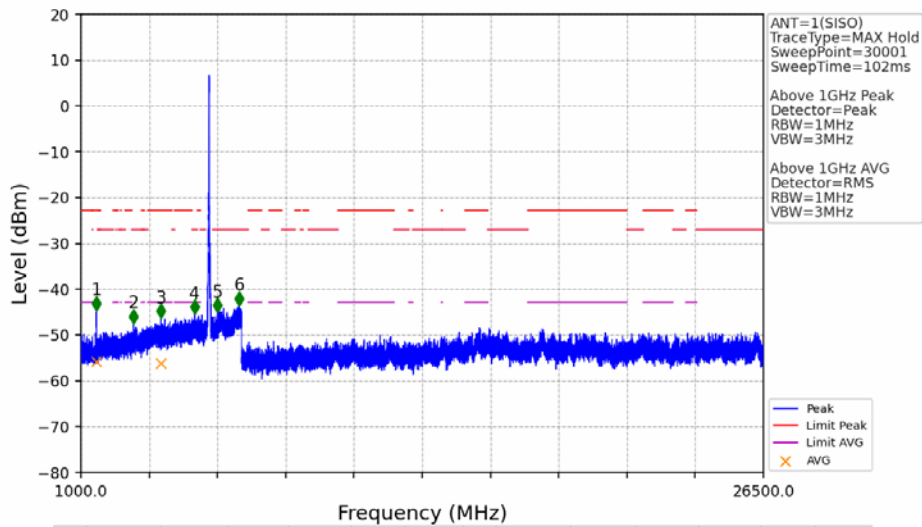
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	1541.45	-43.82	-21.20	21.00	Pass	Peak	7	1541.45	-55.50	-41.20	12.68	Pass	AVG
2	4596.35	-48.24	-21.20	25.42	Pass	Peak	8	4596.35	-52.50	-41.20	9.68	Pass	AVG
3	6899.85	-49.12	-27.00	20.50	Pass	Peak	9	6899.85	-	-27.00	-	Pass	AVG
4	15872.45	-50.12	-21.20	27.30	Pass	Peak	10	15872.45	-56.61	-41.20	13.79	Pass	AVG
5	18254.15	-50.02	-21.20	27.20	Pass	Peak	11	18254.15	-56.27	-41.20	13.45	Pass	AVG
6	19836.85	-49.83	-21.20	27.01	Pass	Peak	12	19836.85	-57.09	-41.20	14.27	Pass	AVG

802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	1541.450	-43.82	-21.20	21.00	Pass	Peak	7	1541.450	-55.50	-41.20	12.68	Pass	AVG
2	4596.350	-48.24	-21.20	25.42	Pass	Peak	8	4596.350	-52.50	-41.20	9.68	Pass	AVG
3	6899.850	-49.12	-27.00	20.50	Pass	Peak	9	6899.850	-59.999999.00	-27.00	0.00	Pass	AVG
4	15872.450	-50.12	-21.20	27.30	Pass	Peak	10	15872.450	-56.61	-41.20	13.79	Pass	AVG
5	18254.150	-50.02	-21.20	27.20	Pass	Peak	11	18254.150	-56.27	-41.20	13.45	Pass	AVG
6	19836.850	-49.83	-21.20	27.01	Pass	Peak	12	19836.850	-57.09	-41.20	14.27	Pass	AVG

802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	1581.4	-44.66	-21.20	21.84	Pass	Peak	7	1581.4	-55.78	-41.20	12.96	Pass	AVG
2	2963.5	-47.48	-27.00	18.86	Pass	Peak	8	2963.5	/	-27.00	/	/	AVG
3	3989.45	-46.35	-21.20	23.53	Pass	Peak	9	3989.45	-56.26	-41.20	13.44	Pass	AVG
4	5253.4	-45.51	-27.00	16.89	Pass	Peak	10	5253.4	/	-27.00	/	/	AVG
5	6100.85	-45.06	-27.00	16.44	Pass	Peak	11	6100.85	/	-27.00	/	/	AVG
6	6907.5	-43.59	-27.00	14.97	Pass	Peak	12	6907.5	/	-27.00	/	/	AVG