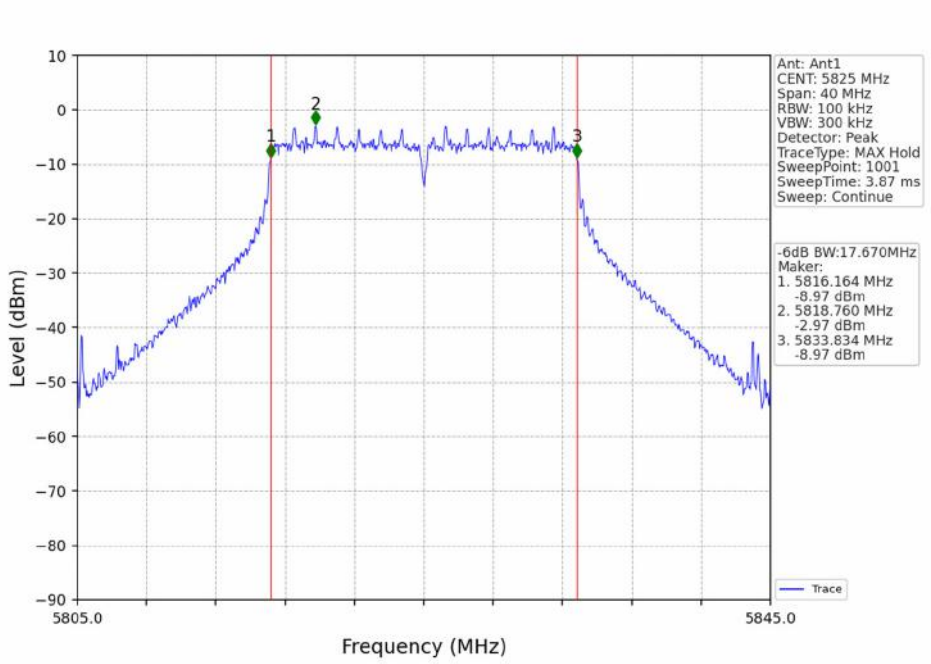
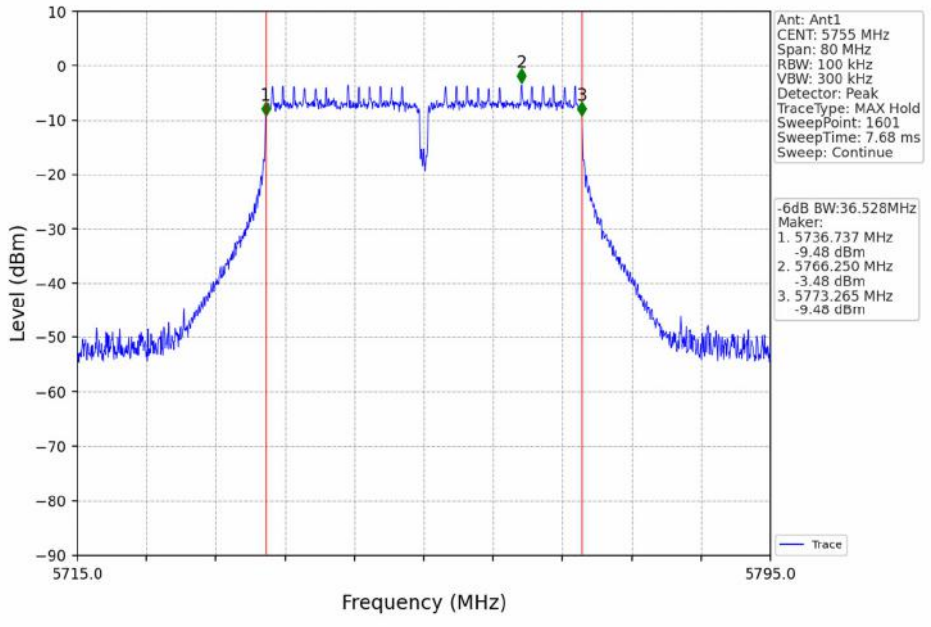
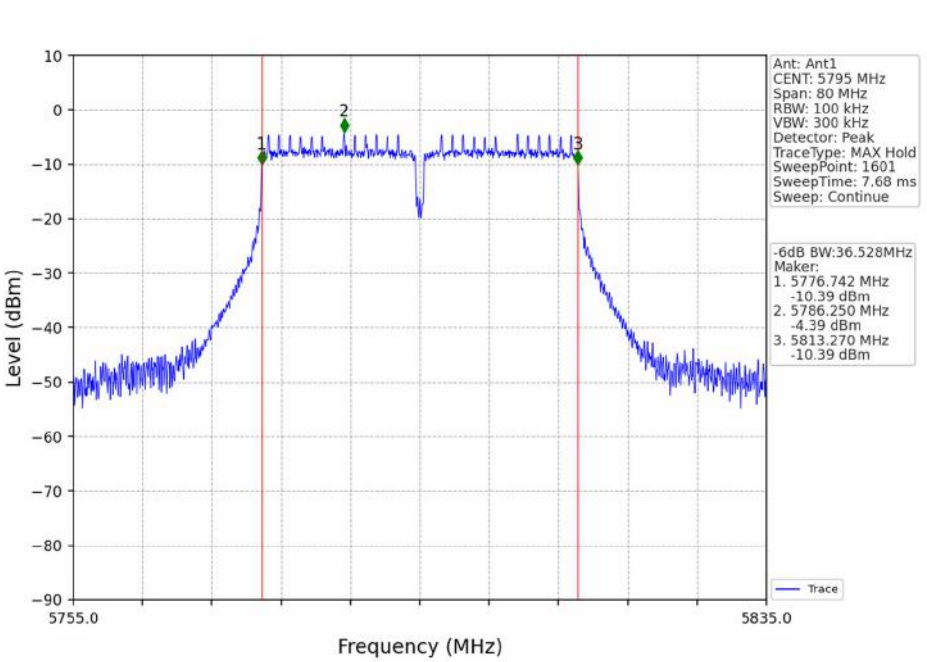


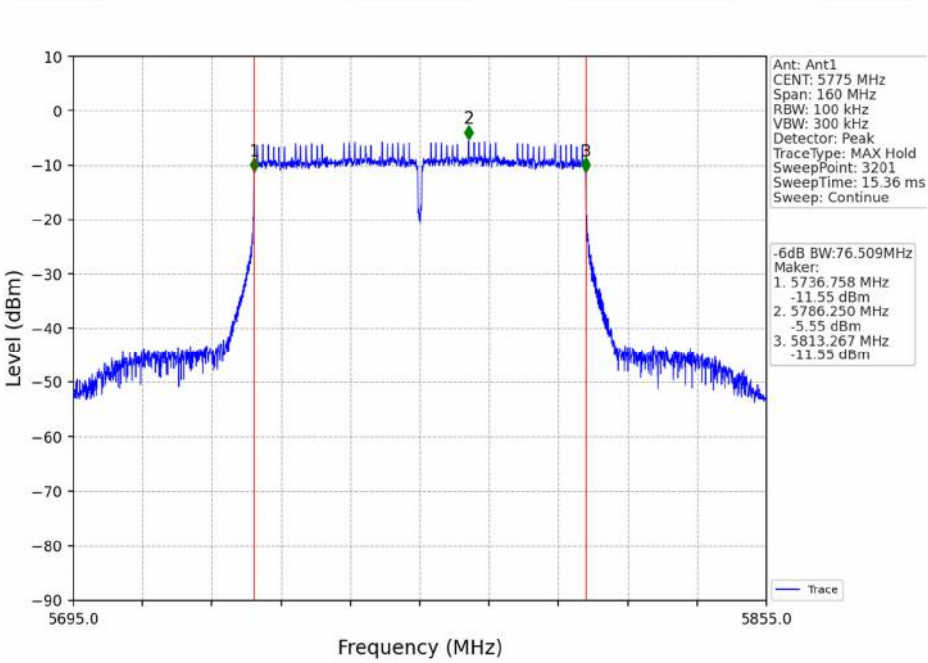
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



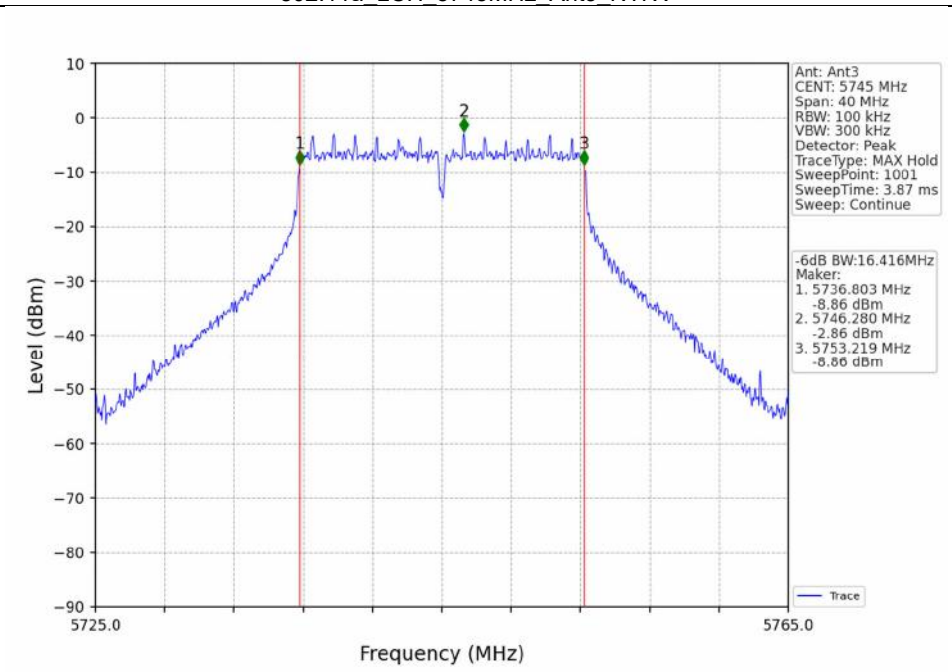
2.2.2. 6dB BW (WiFi Module 2)

2.2.2.1 Test Result

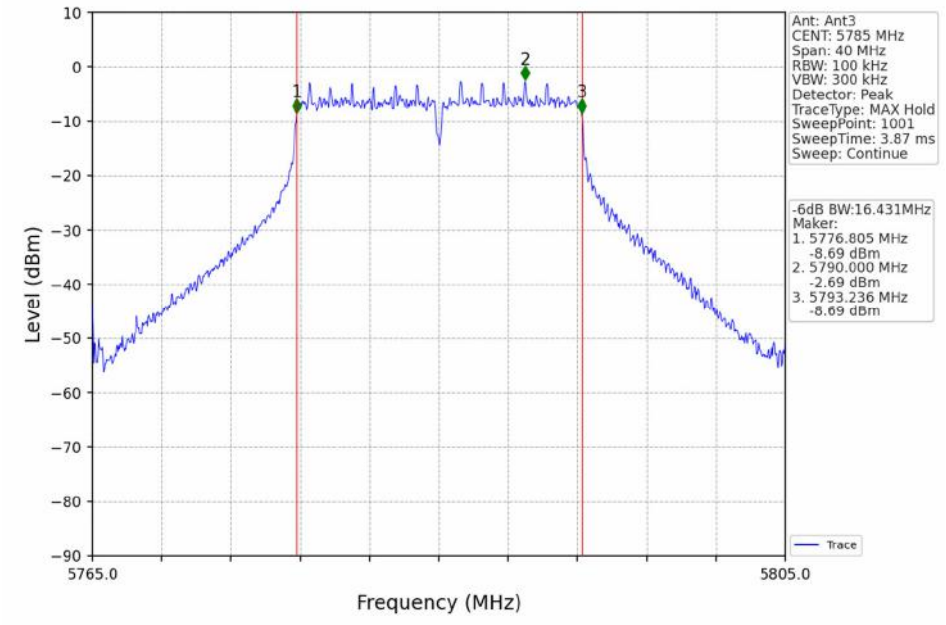
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	3	16.416	>=0.5	Pass
		5785	3	16.431	>=0.5	Pass
		5825	3	16.448	>=0.5	Pass
802.11n (HT20)	SISO	5745	3	17.692	>=0.5	Pass
		5785	3	17.699	>=0.5	Pass
		5825	3	17.709	>=0.5	Pass
802.11n (HT40)	SISO	5755	3	36.535	>=0.5	Pass
		5795	3	36.524	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	3	17.698	>=0.5	Pass
		5785	3	17.698	>=0.5	Pass
		5825	3	17.676	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	3	36.516	>=0.5	Pass
		5795	3	36.530	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	3	76.512	>=0.5	Pass

2.2.2.2 Test Graph

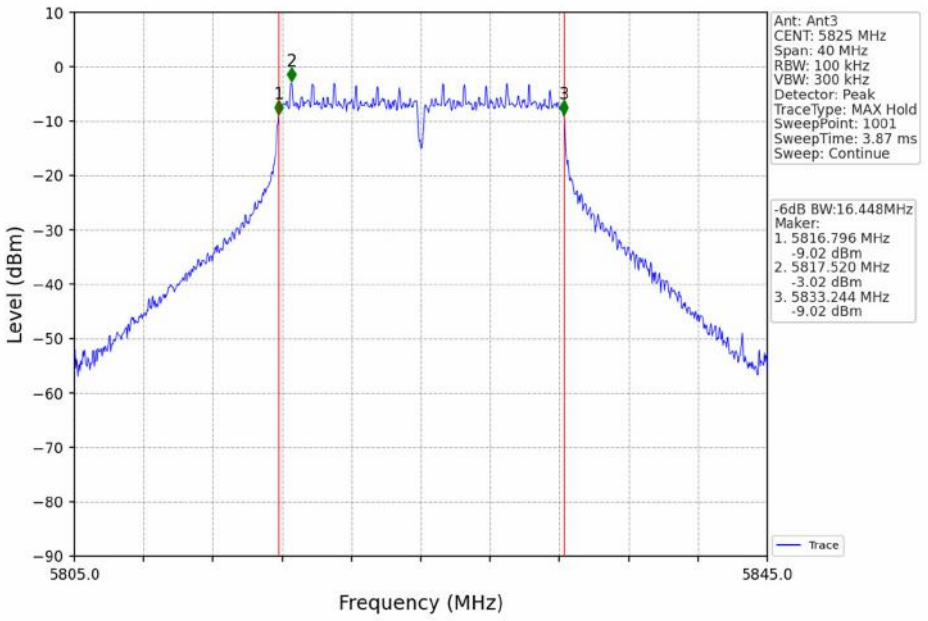
802.11a_LCH_5745MHz_Ant3_NTNV



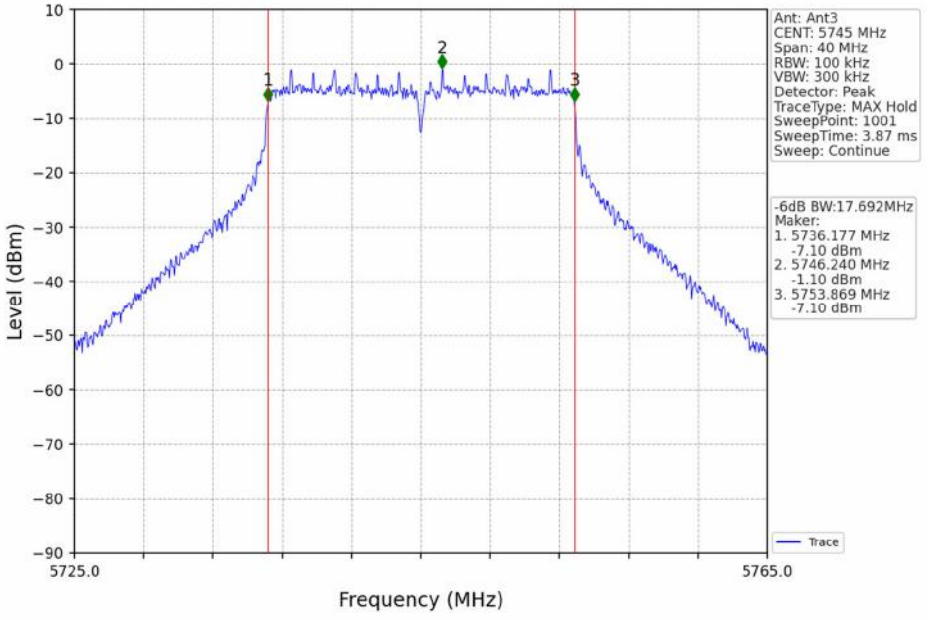
802.11a_MCH_5785MHz_Ant3_NTNV



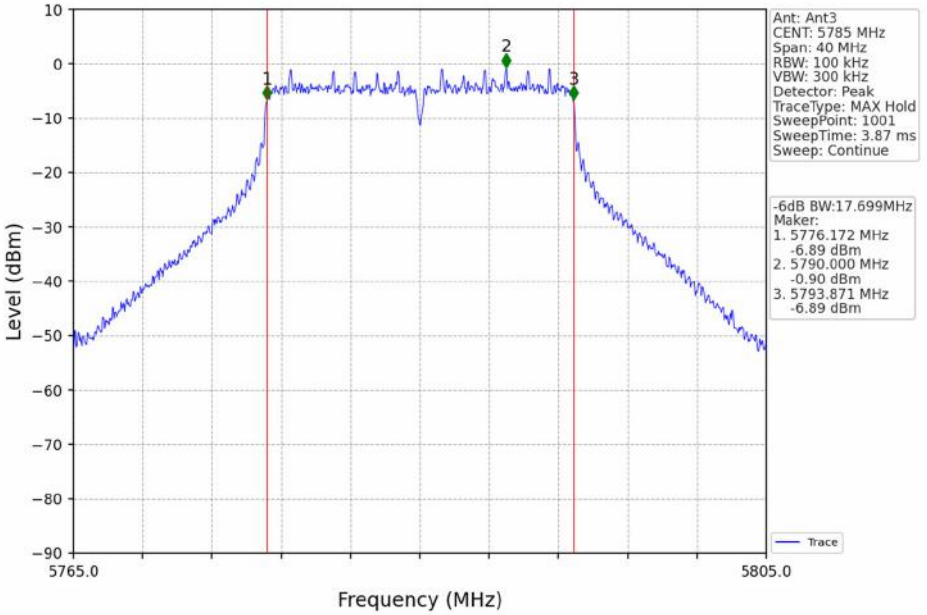
802.11a_HCH_5825MHz_Ant3_NTNV



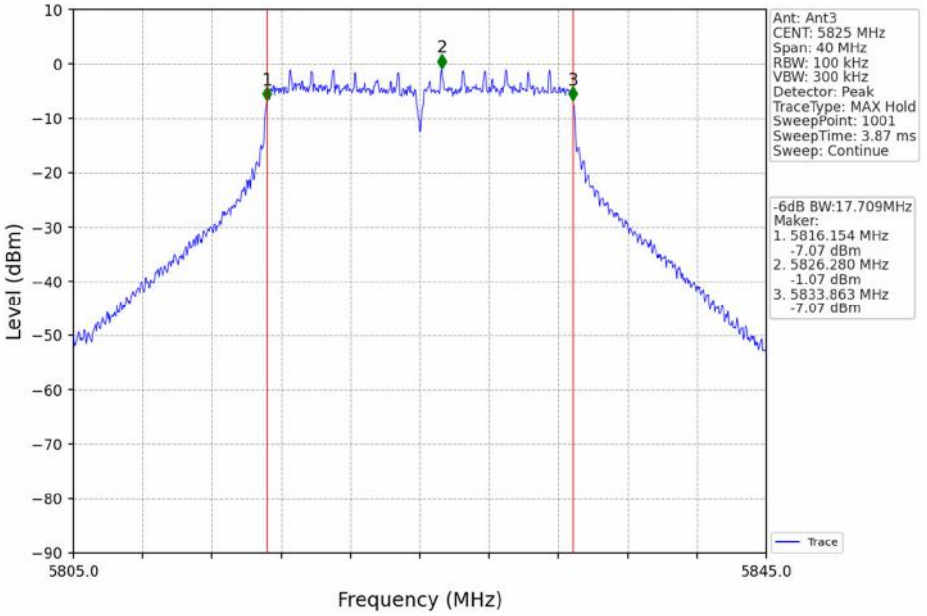
802.11n(HT20)_LCH_5745MHz_Ant3_NTNV



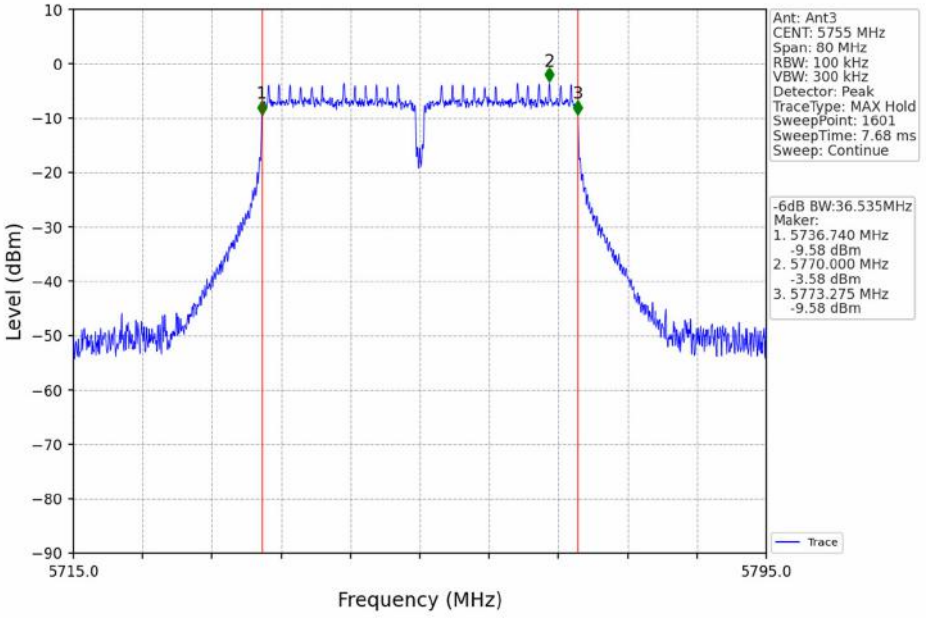
802.11n(HT20)_MCH_5785MHz_Ant3_NTNV



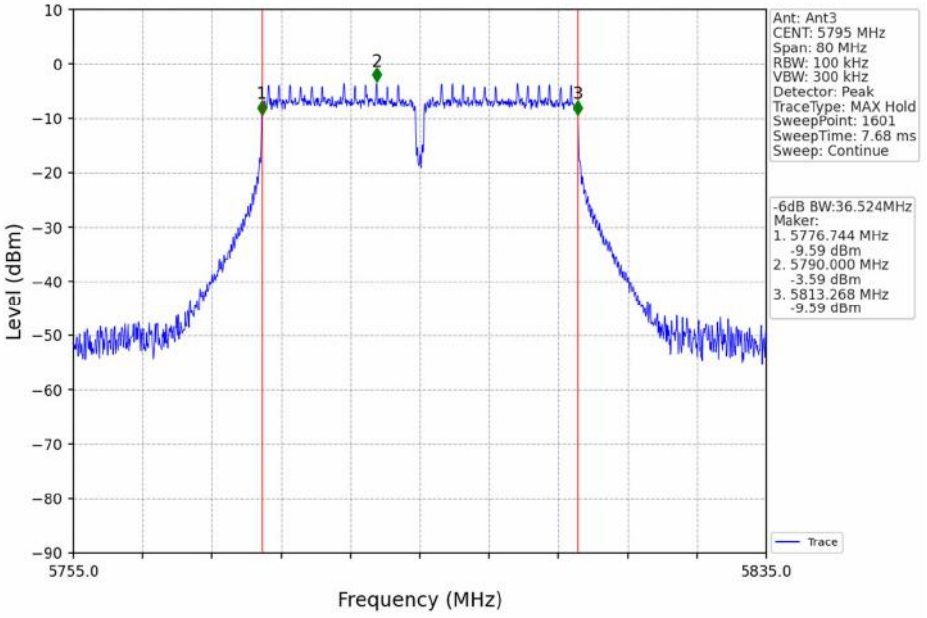
802.11n(HT20)_HCH_5825MHz_Ant3_NTNV



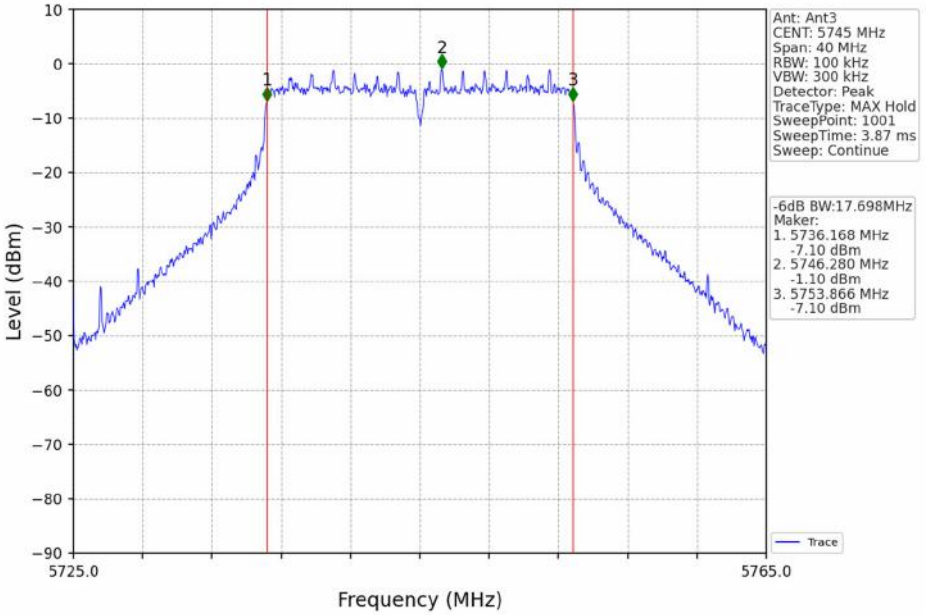
802.11n(HT40)_LCH_5755MHz_Ant3_NTNV



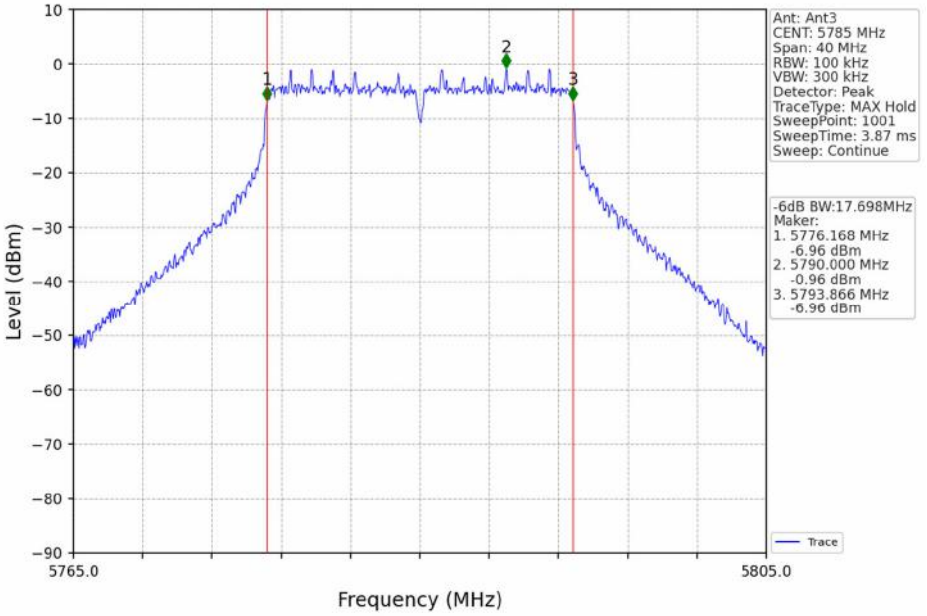
802.11n(HT40)_HCH_5795MHz_Ant3_NTNV



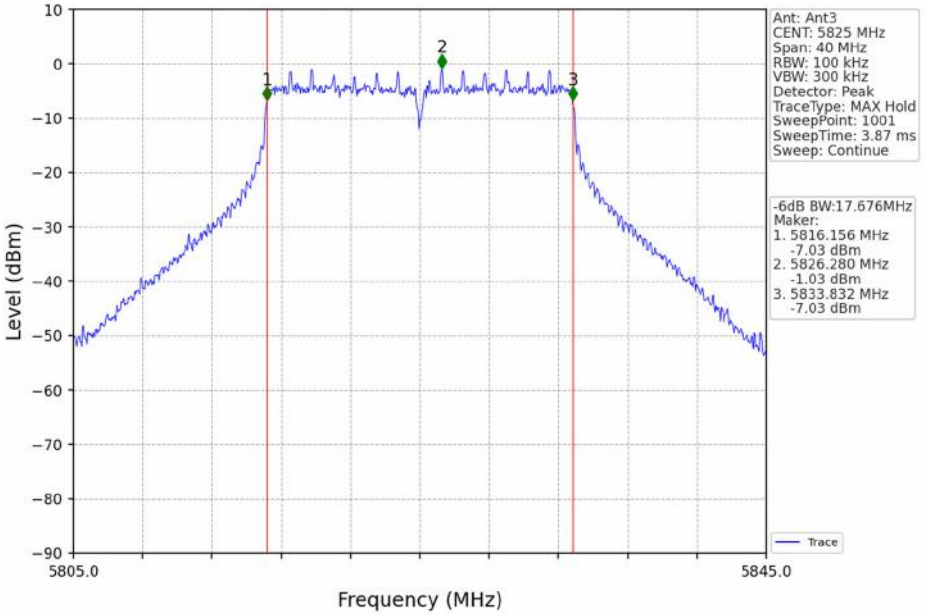
802.11ac(VHT20)_LCH_5745MHz_Ant3_NTNV



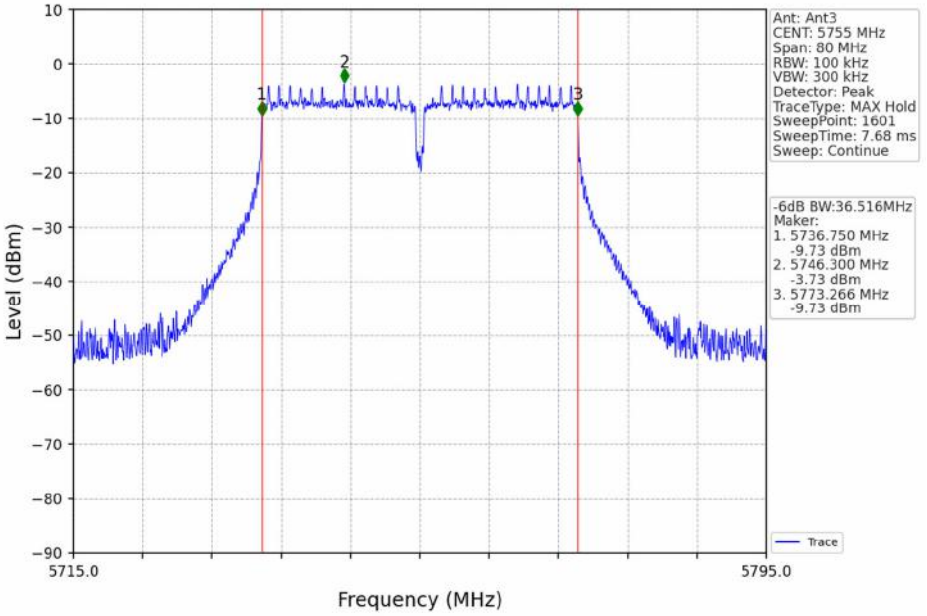
802.11ac(VHT20)_MCH_5785MHz_Ant3_NTNV



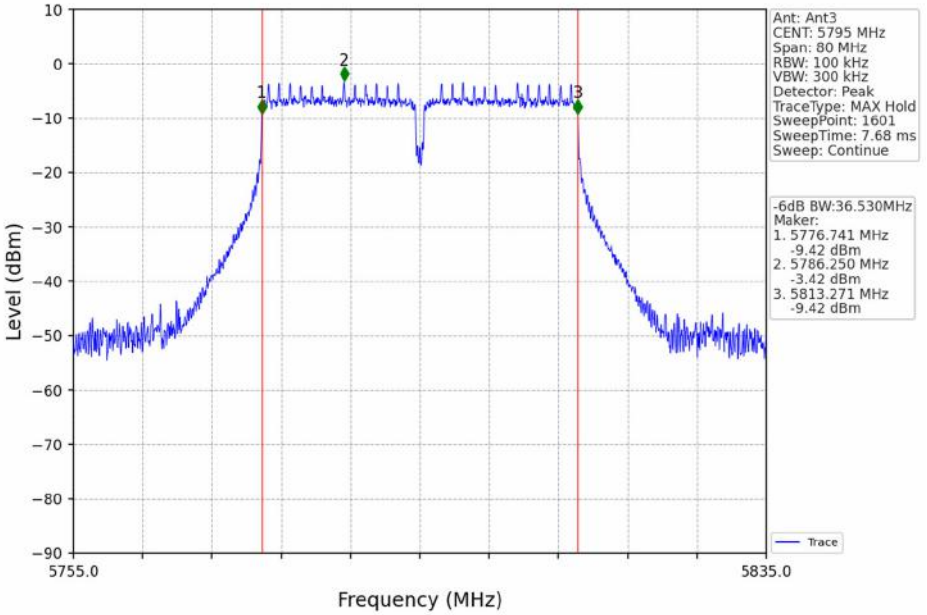
802.11ac(VHT20)_HCH_5825MHz_Ant3_NTNV



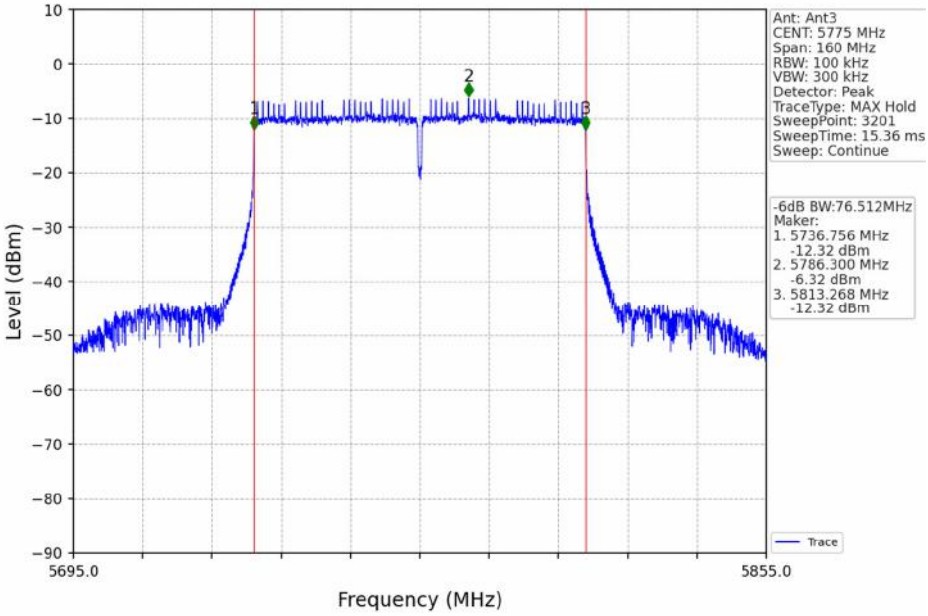
802.11ac(VHT40)_LCH_5755MHz_Ant3_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant3_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant3_NTNV



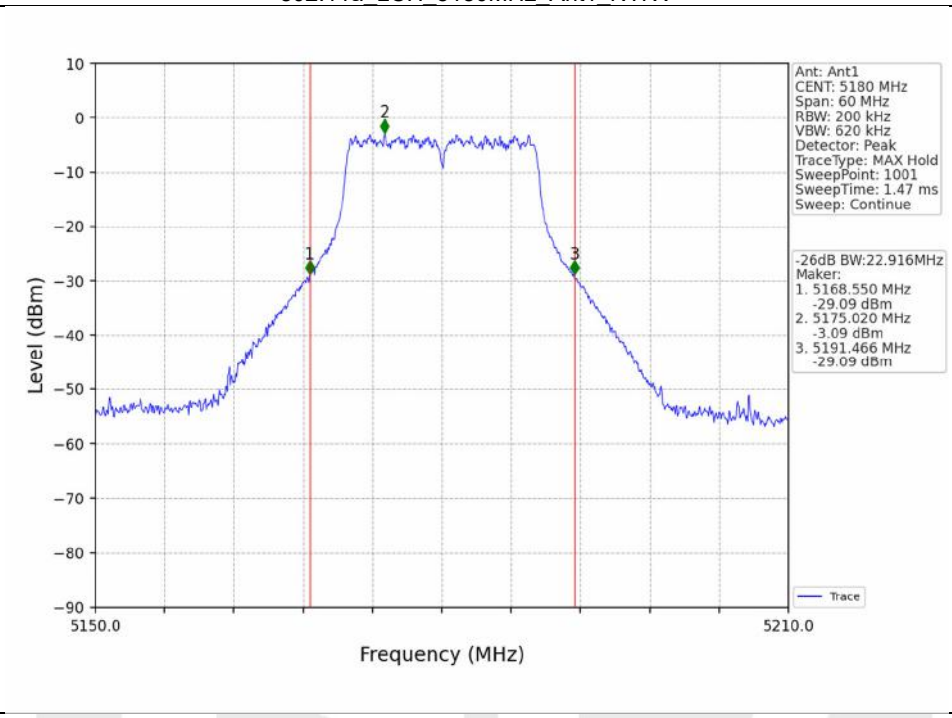
2.3.1 26dB BW (WiFi Module 1)

2.3.1.1 Test Result

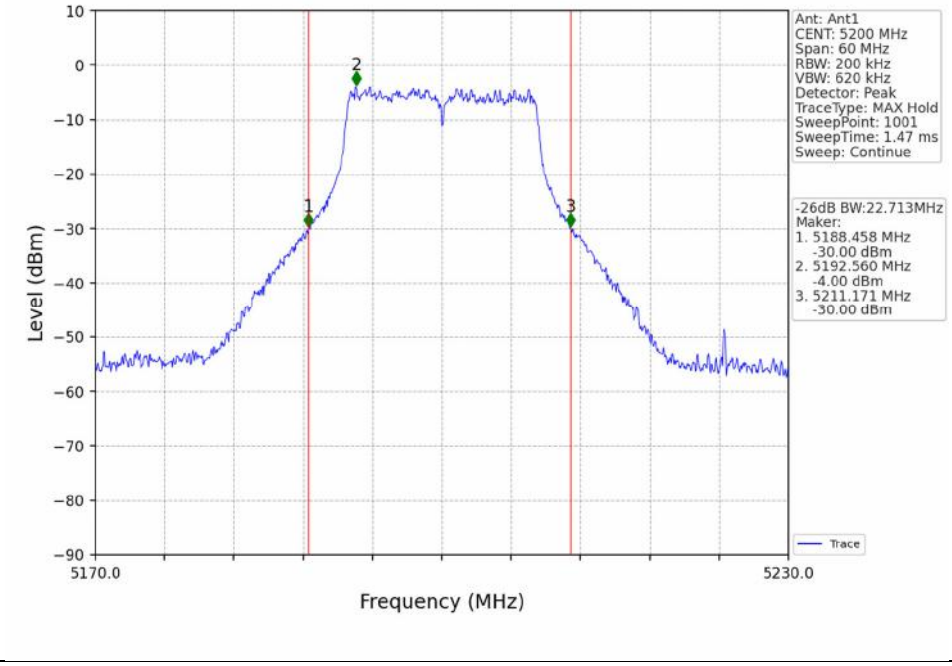
Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz) Result	Verdict
802.11a	SISO	5180	1	22.916	Pass
		5200	1	22.713	Pass
		5240	1	23.195	Pass
802.11n (HT20)	SISO	5180	1	24.619	Pass
		5200	1	24.635	Pass
		5240	1	24.821	Pass
802.11n (HT40)	SISO	5190	1	44.610	Pass
		5230	1	45.385	Pass
802.11ac (VHT20)	SISO	5180	1	24.538	Pass
		5200	1	24.503	Pass
		5240	1	24.887	Pass
802.11ac (VHT40)	SISO	5190	1	44.800	Pass
		5230	1	45.176	Pass
802.11ac (VHT80)	SISO	5210	1	85.325	Pass

2.3.1.2 Test Graph

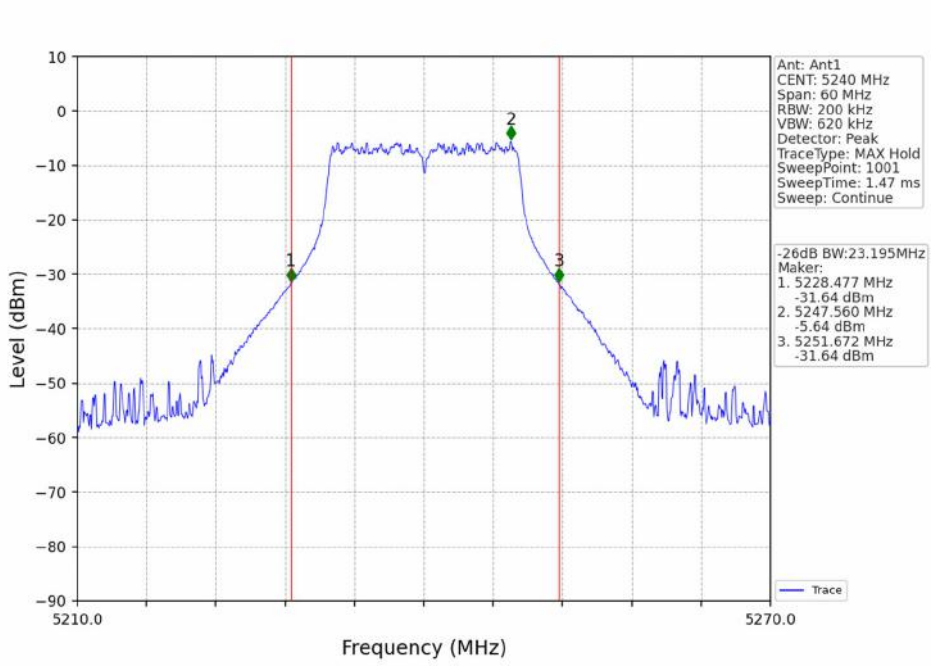
802.11a_LCH_5180MHz_Ant1_NTNV



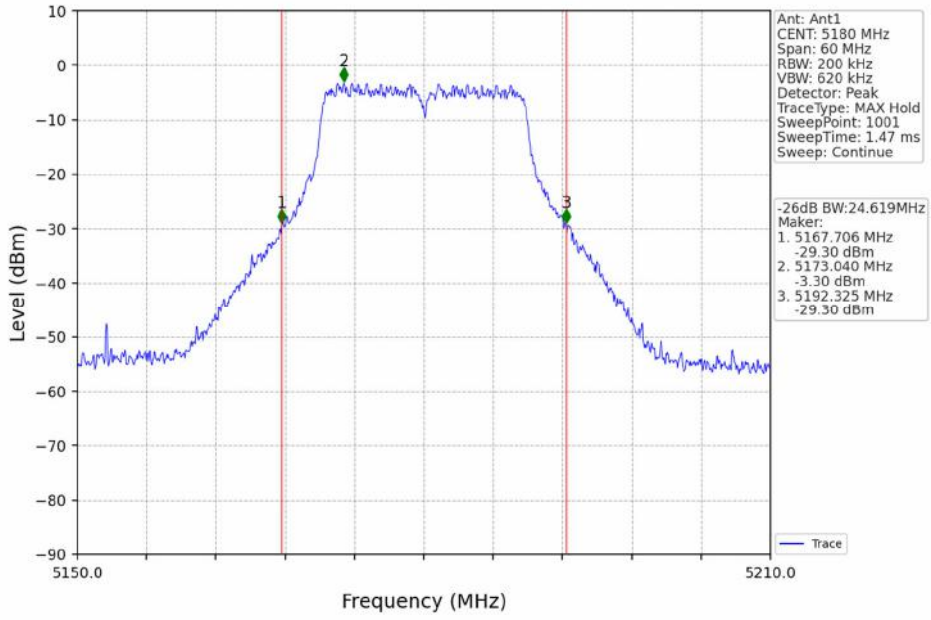
802.11a_MCH_5200MHz_Ant1_NTNV



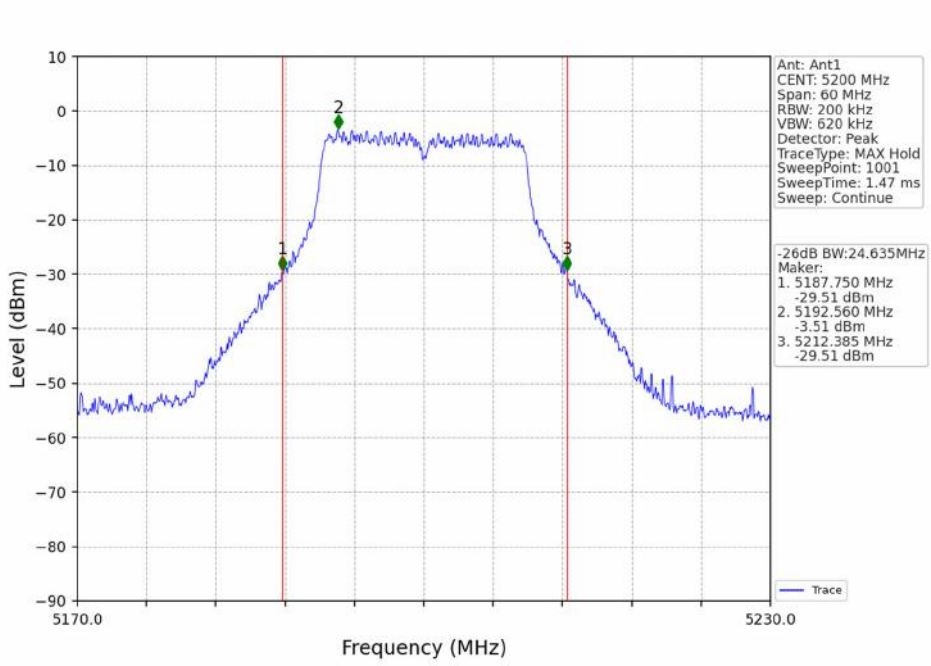
802.11a_HCH_5240MHz_Ant1_NTNV



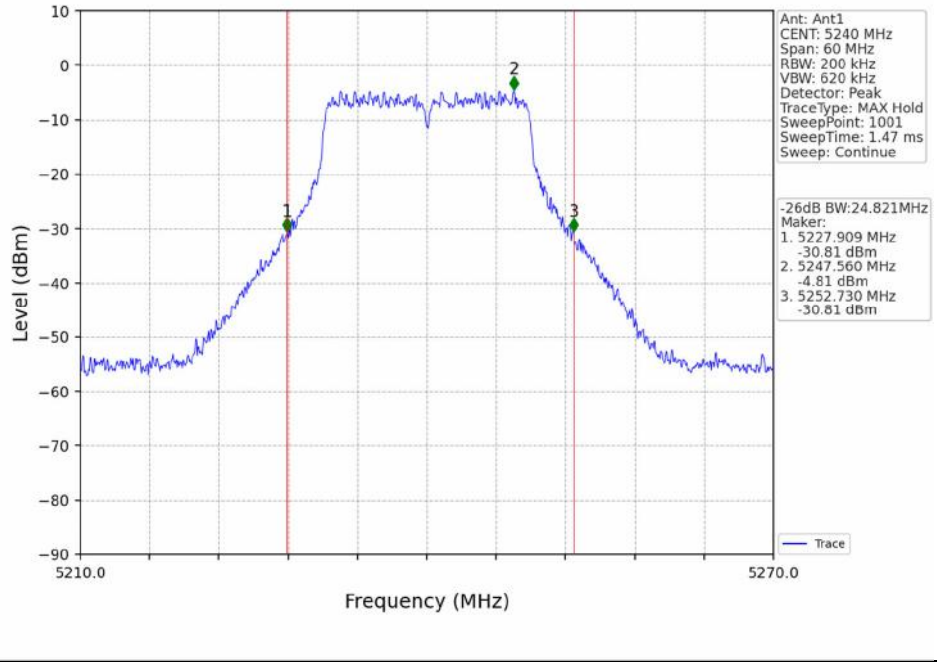
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



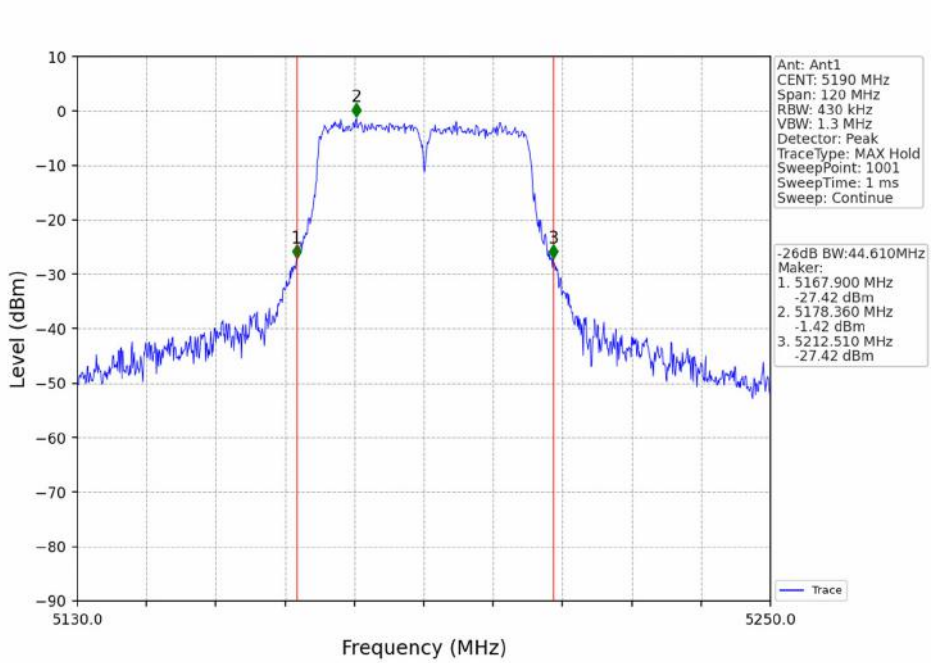
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



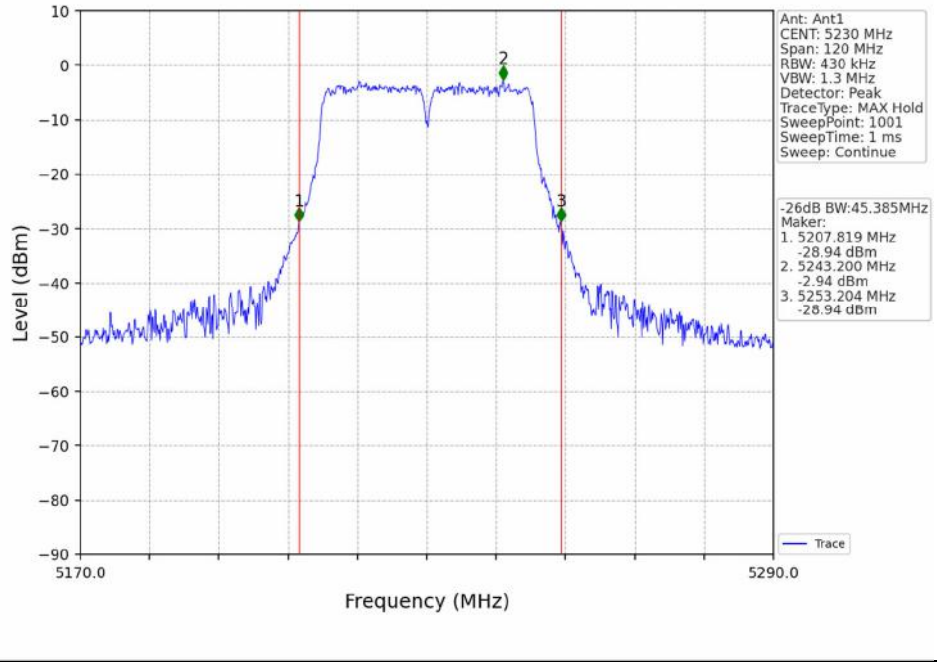
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



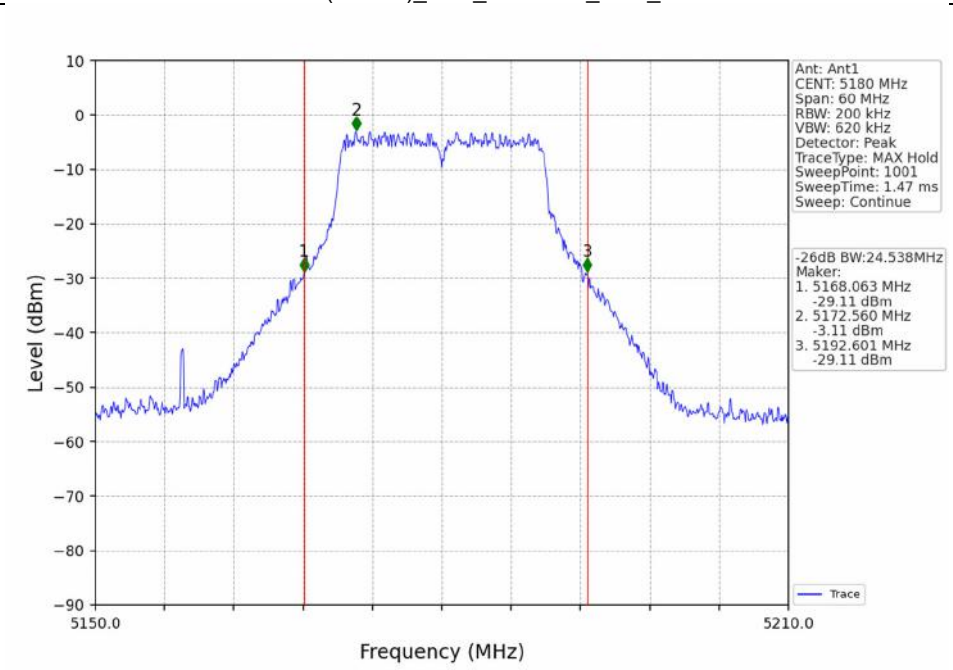
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



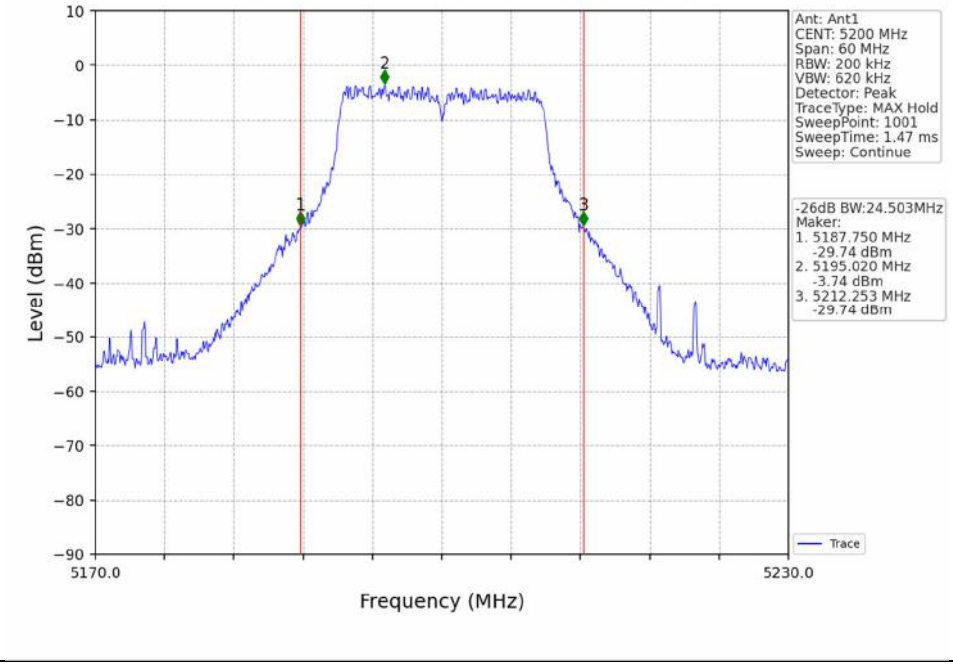
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



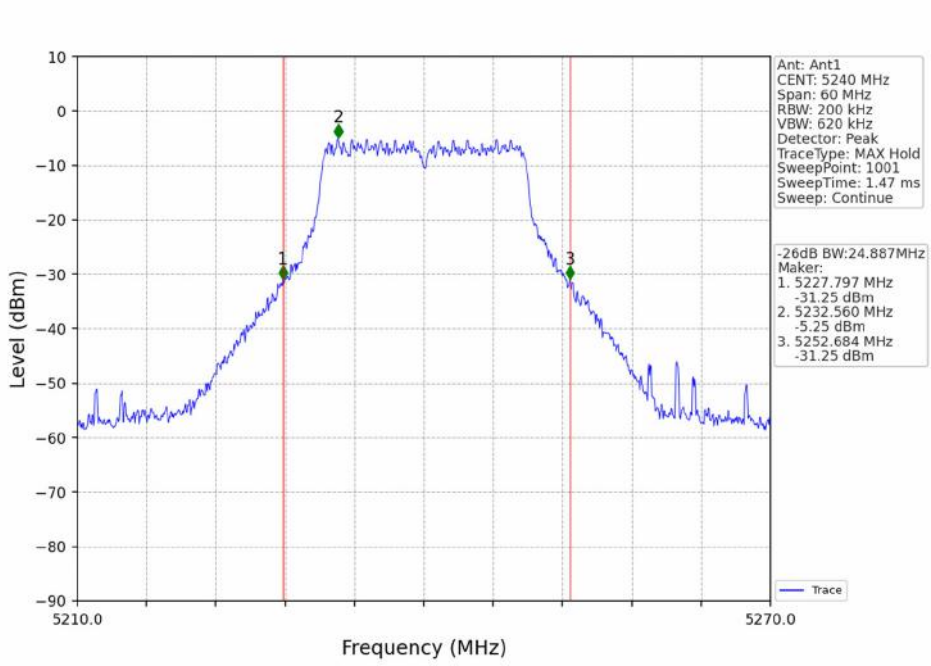
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



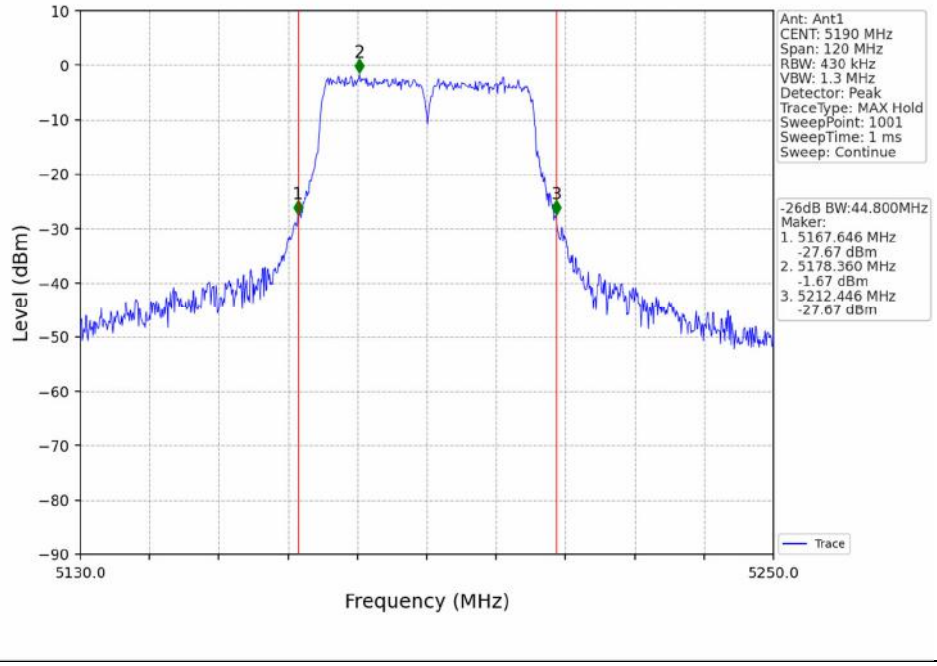
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



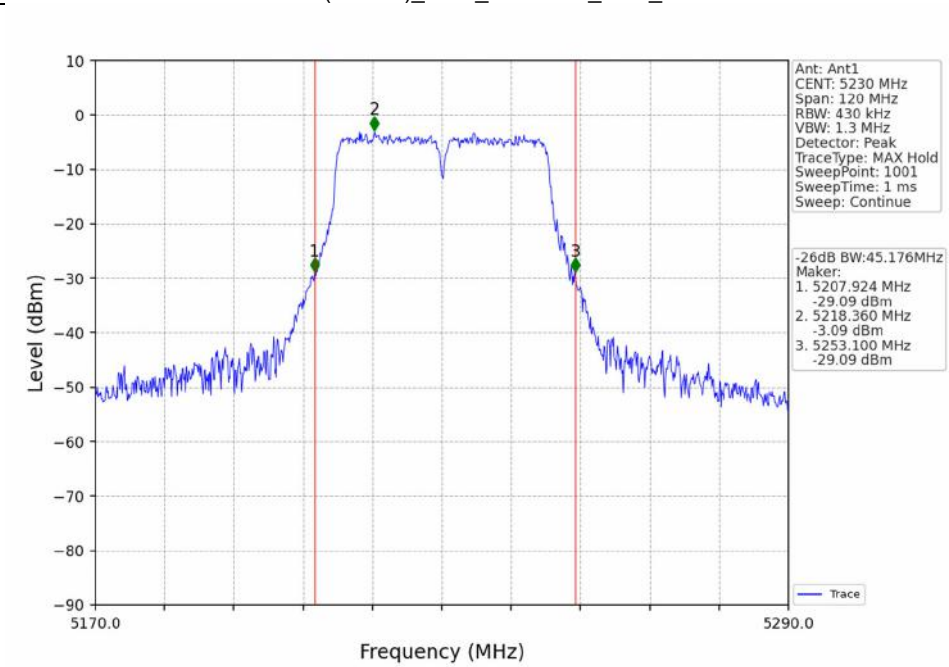
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



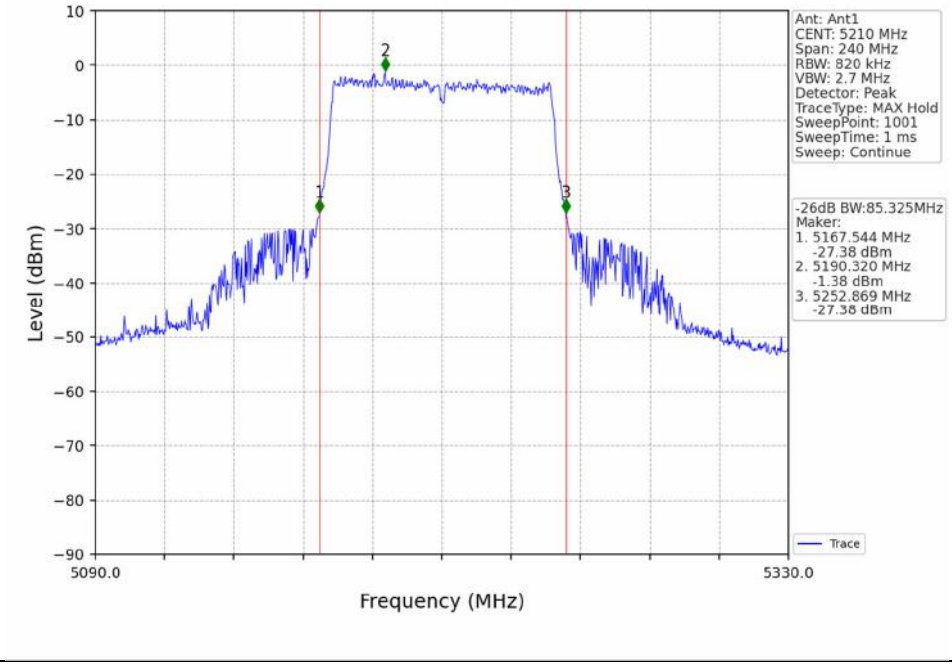
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



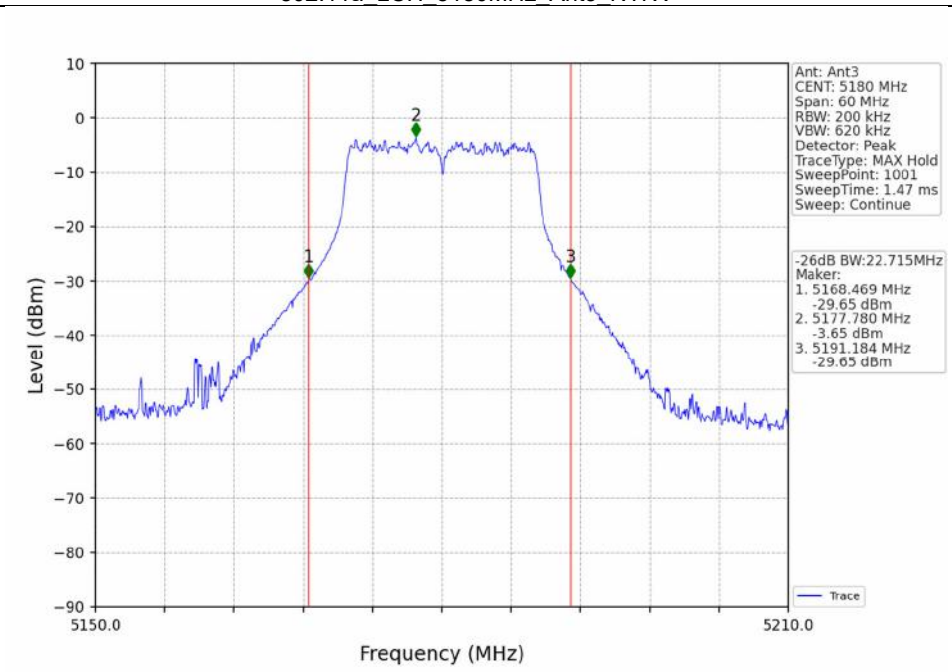
2.3.2 26dB BW (WiFi Module 2)

2.3.2.1 Test Result

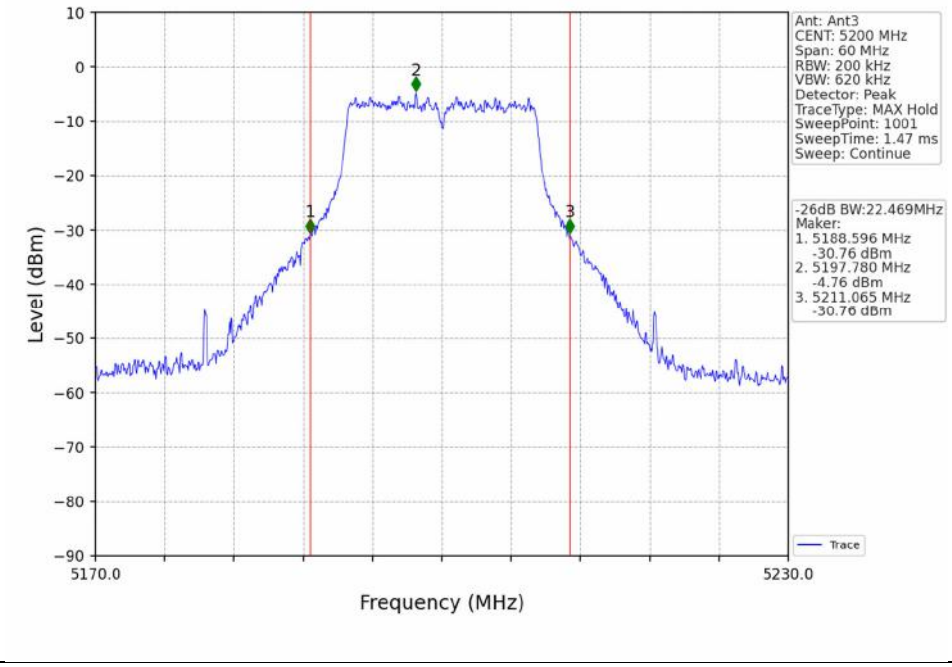
Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz) Result	Verdict
802.11a	SISO	5180	3	22.715	Pass
		5200	3	22.469	Pass
		5240	3	23.007	Pass
802.11n (HT20)	SISO	5180	3	26.439	Pass
		5200	3	24.636	Pass
		5240	3	24.624	Pass
802.11n (HT40)	SISO	5190	3	44.476	Pass
		5230	3	44.158	Pass
802.11ac (VHT20)	SISO	5180	3	24.486	Pass
		5200	3	24.832	Pass
		5240	3	24.636	Pass
802.11ac (VHT40)	SISO	5190	3	43.933	Pass
		5230	3	44.050	Pass
802.11ac (VHT80)	SISO	5210	3	85.169	Pass

2.3.2.2 Test Graph

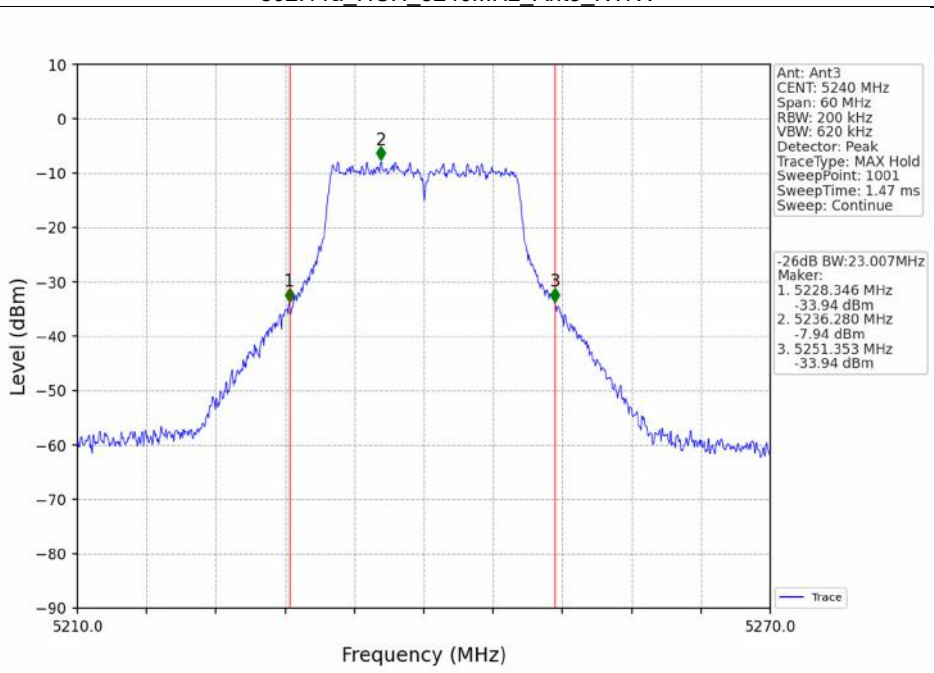
802.11a_LCH_5180MHz_Ant3_NTNV



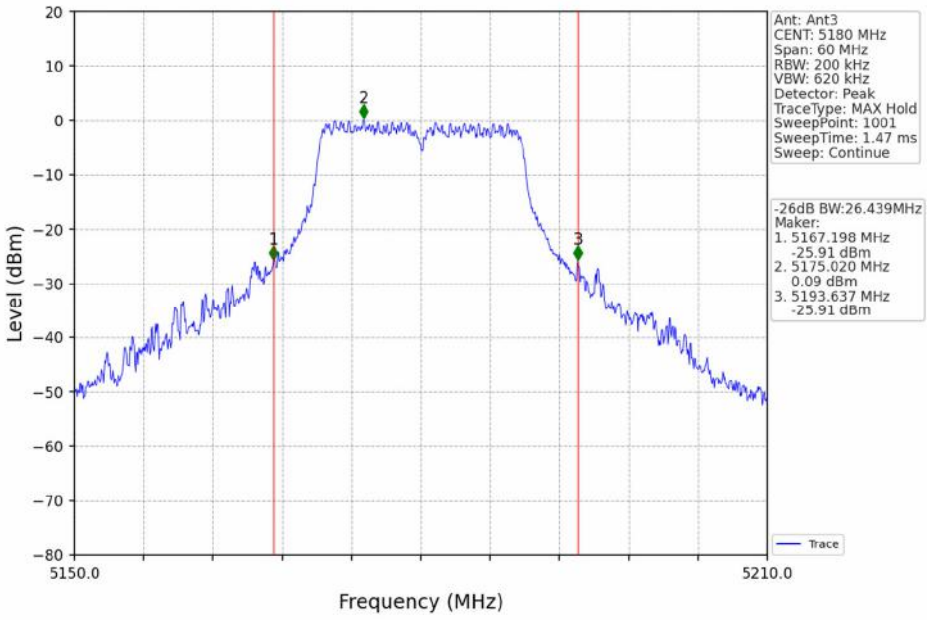
802.11a_MCH_5200MHz_Ant3_NTNV



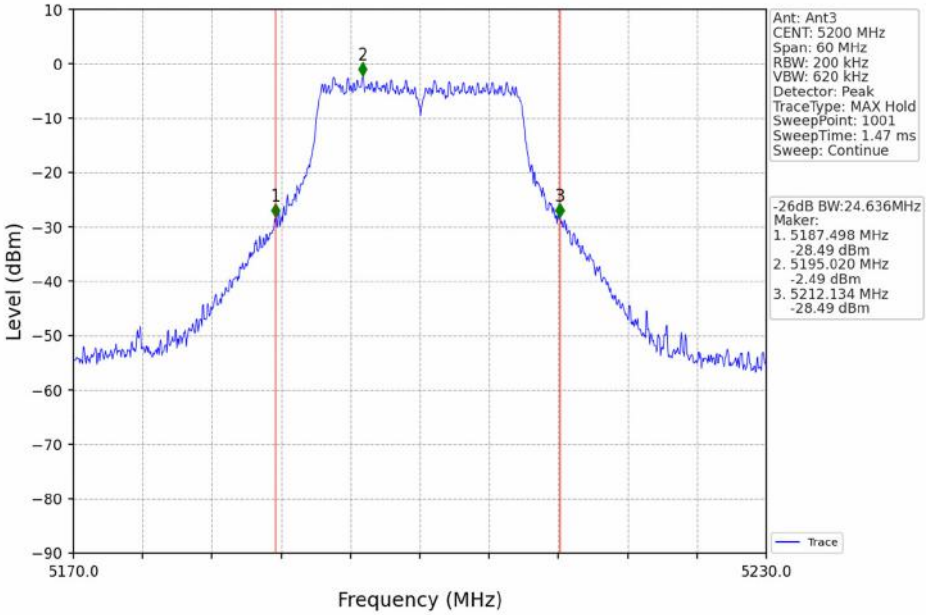
802.11a_HCH_5240MHz_Ant3_NTNV



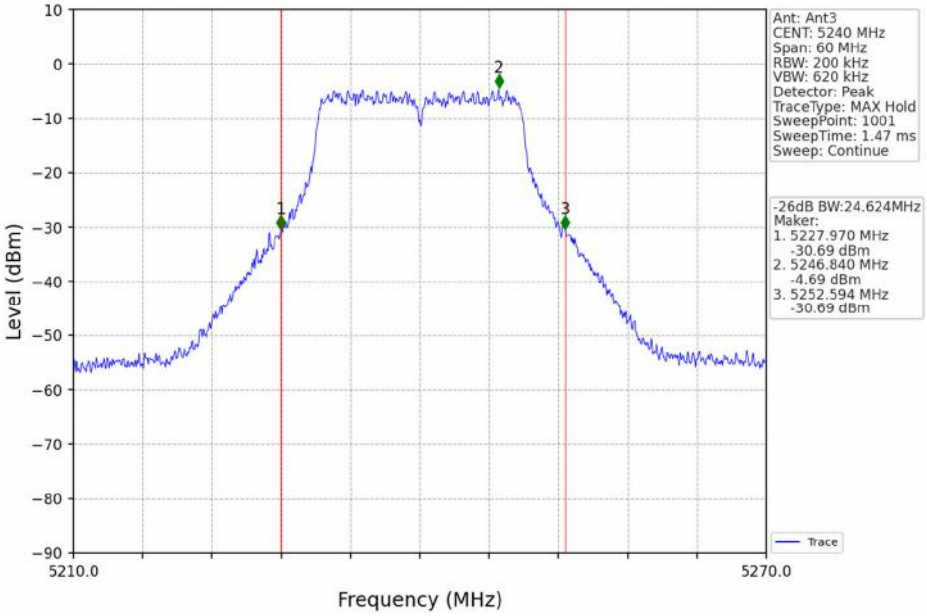
802.11n(HT20)_LCH_5180MHz_Ant3_NTNV



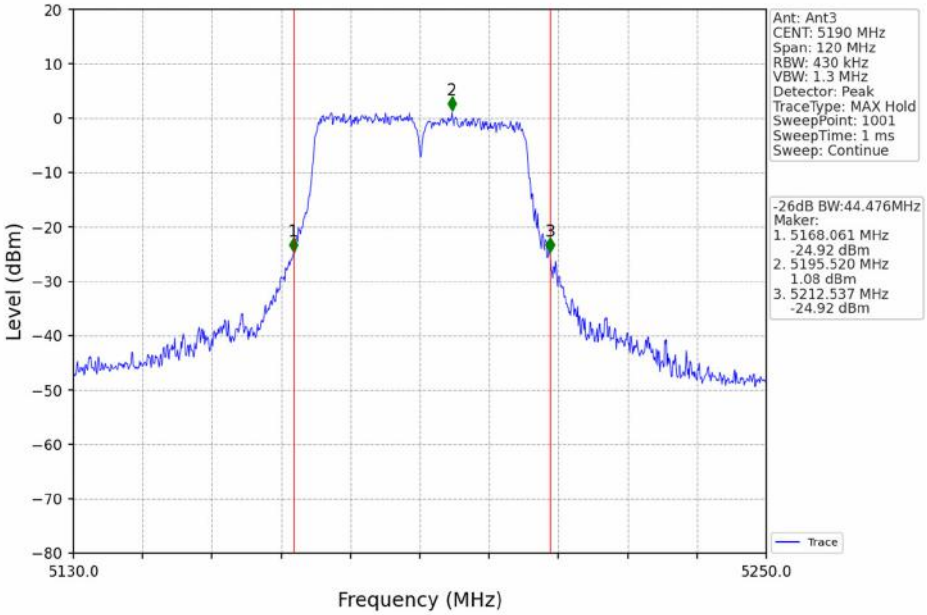
802.11n(HT20)_MCH_5200MHz_Ant3_NTNV



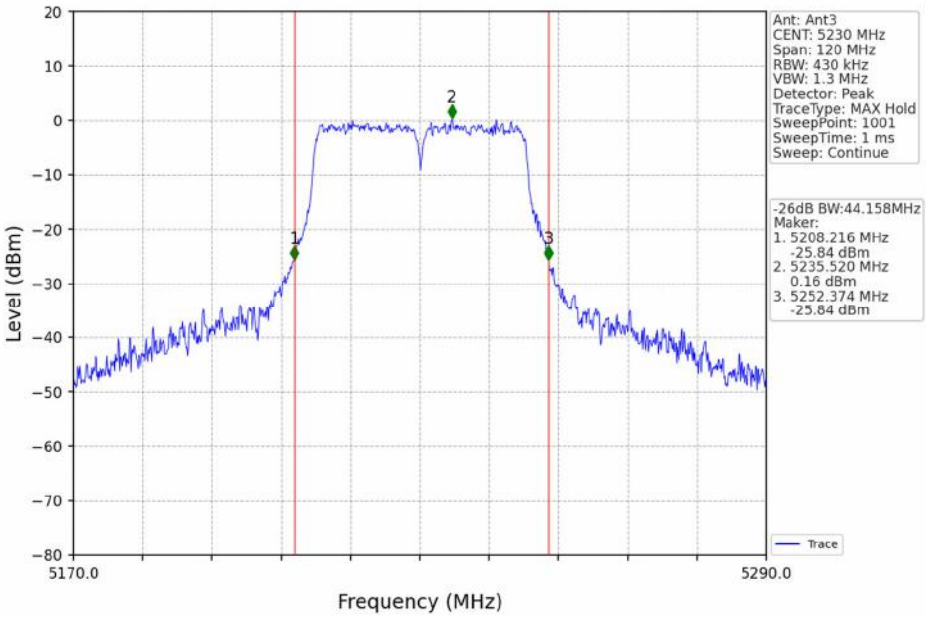
802.11n(HT20)_HCH_5240MHz_Ant3_NTNV



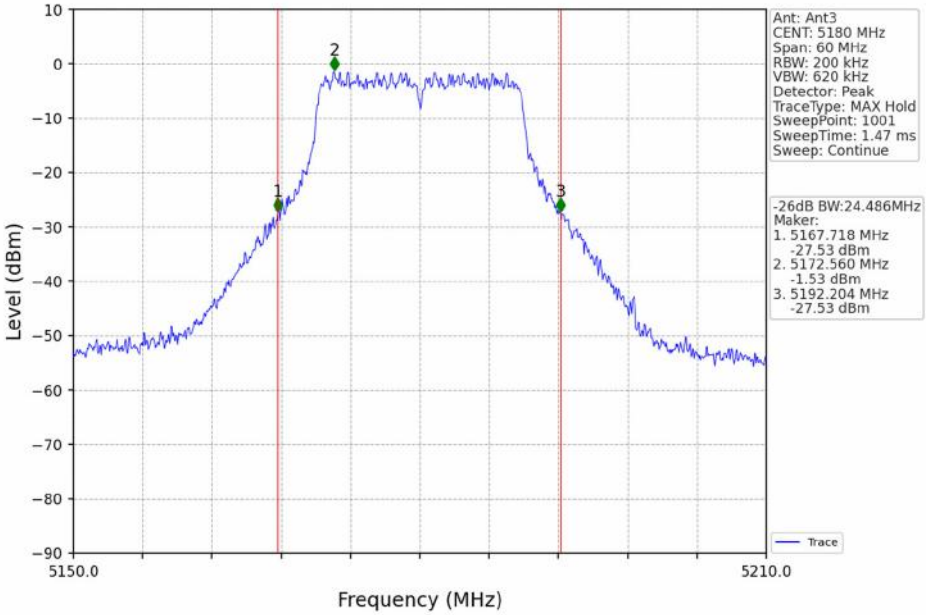
802.11n(HT40)_LCH_5190MHz_Ant3_NTNV



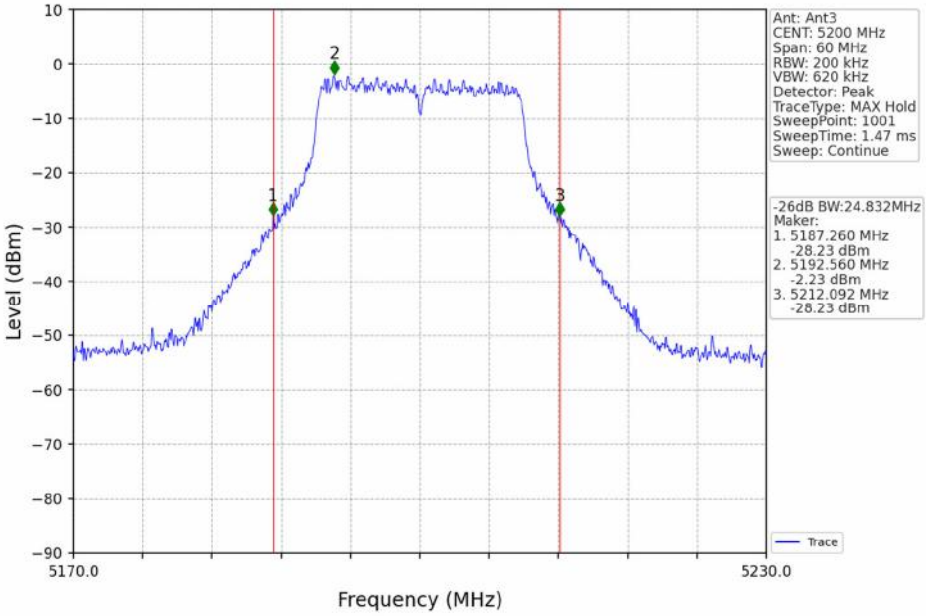
802.11n(HT40)_HCH_5230MHz_Ant3_NTNV



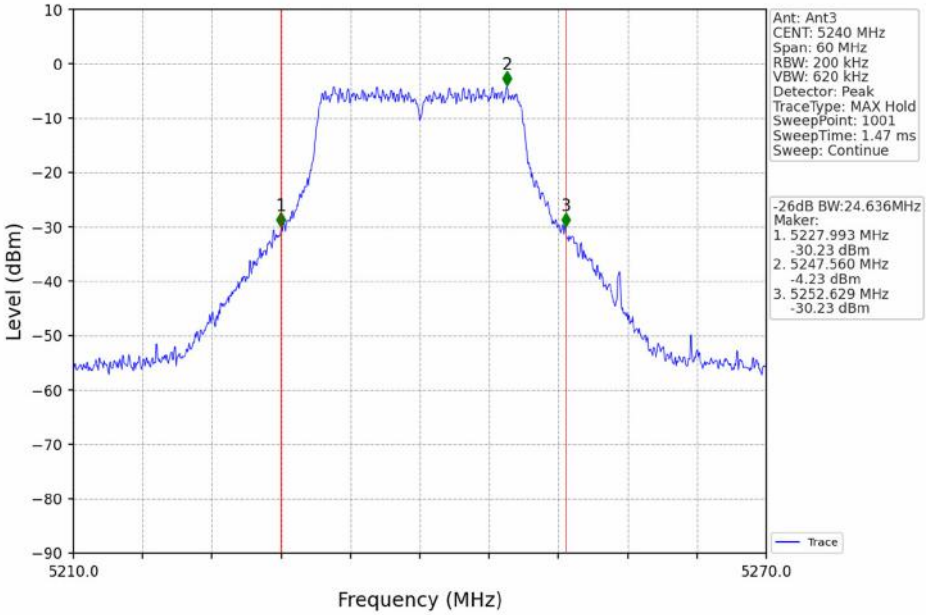
802.11ac(VHT20)_LCH_5180MHz_Ant3_NTNV



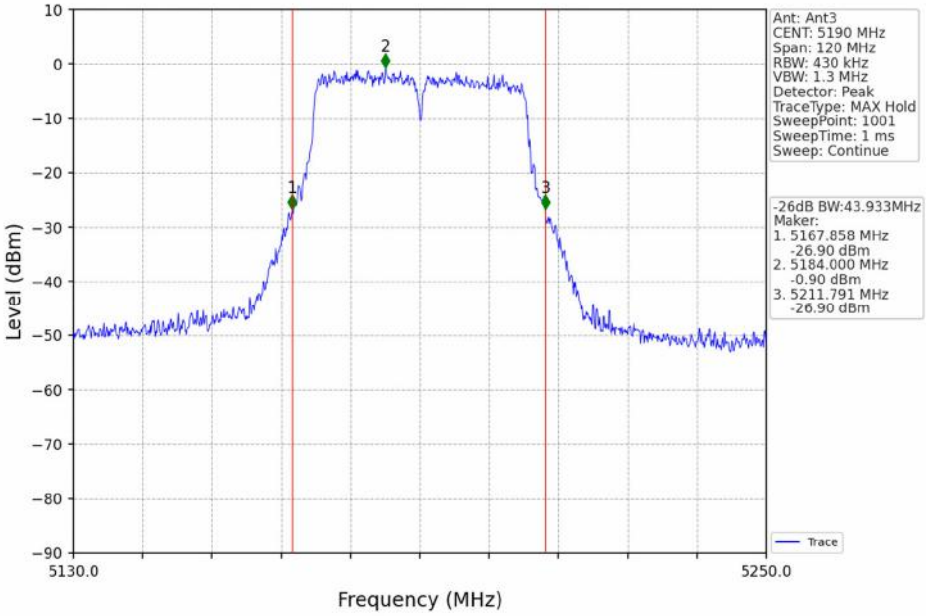
802.11ac(VHT20)_MCH_5200MHz_Ant3_NTNV



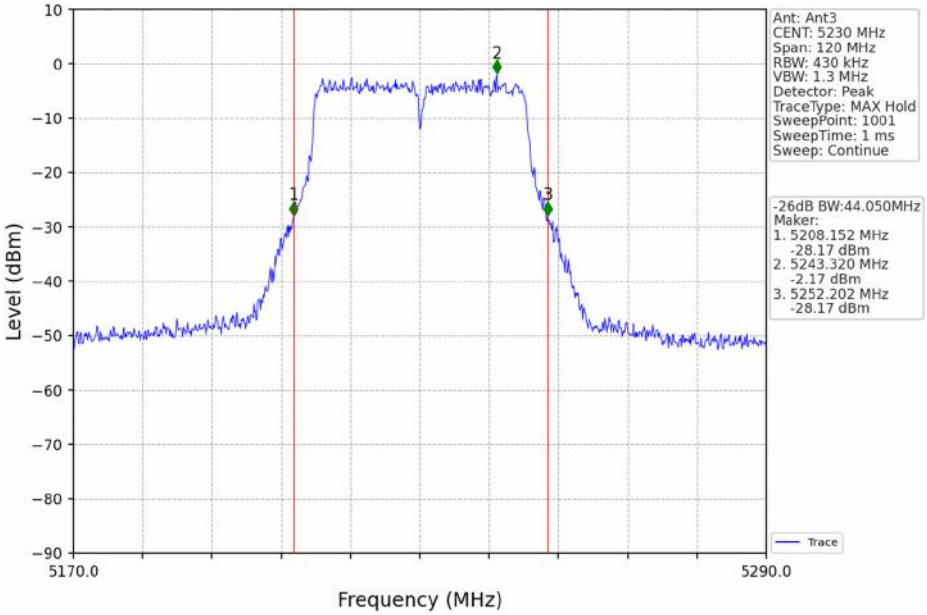
802.11ac(VHT20)_HCH_5240MHz_Ant3_NTNV



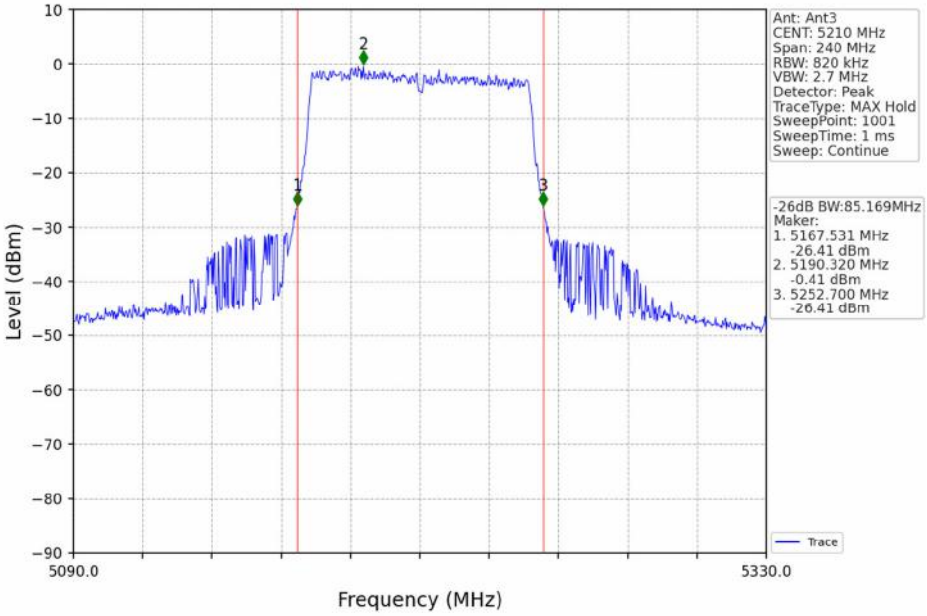
802.11ac(VHT40)_LCH_5190MHz_Ant3_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant3_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant3_NTNV



3. Maximum Conducted Output Power

3.1. Power (WiFi Module 1)

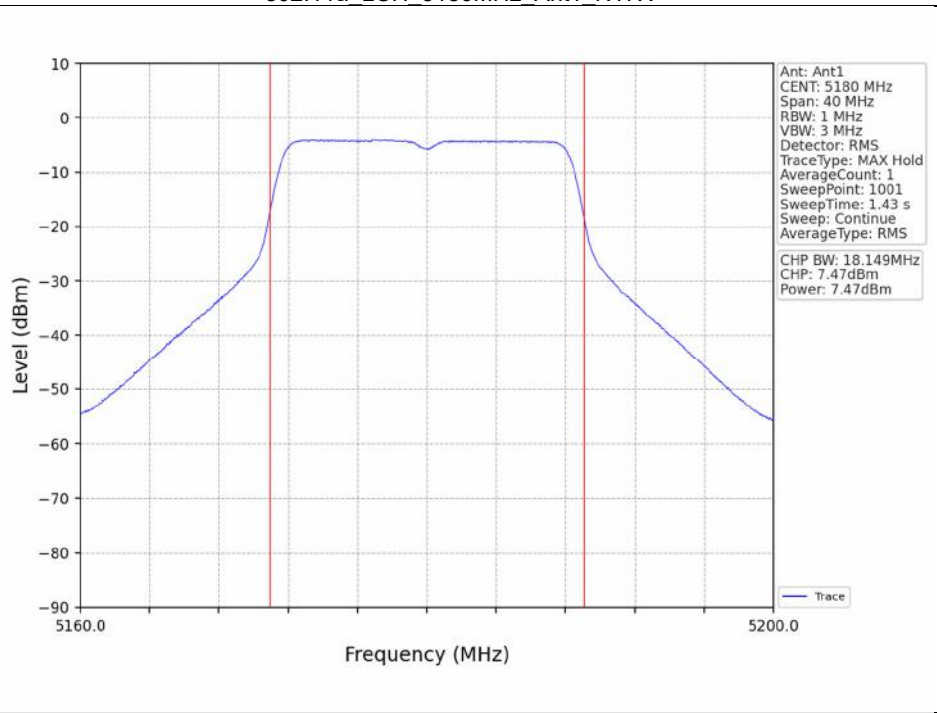
3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)			Verdict
			ANT1	ANT2	Limit	
802.11a	SISO	5180	7.47	6.63	<=23.98	Pass
		5200	6.34	7.12	<=23.98	Pass
		5240	4.69	5.46	<=23.98	Pass
		5745	7.95	9.24	<=30	Pass
		5785	8.10	7.76	<=30	Pass
		5825	7.87	7.36	<=30	Pass
802.11n (HT20)	SISO	5180	7.31	7.70	<=23.98	Pass
		5200	7.00	7.04	<=23.98	Pass
		5240	5.96	8.52	<=23.98	Pass
		5745	8.82	7.78	<=30	Pass
		5785	8.52	7.57	<=30	Pass
		5825	8.84	8.21	<=30	Pass
802.11n (HT40)	SISO	5190	7.56	7.85	<=23.98	Pass
		5230	6.24	8.09	<=23.98	Pass
		5755	8.52	7.88	<=30	Pass
		5795	8.93	8.38	<=30	Pass
802.11ac (VHT20)	SISO	5180	7.63	10.10	<=23.98	Pass
		5200	6.89	9.22	<=23.98	Pass
		5240	5.54	9.23	<=23.98	Pass
		5745	8.73	10.91	<=30	Pass
		5785	8.77	10.50	<=30	Pass
		5825	8.73	10.64	<=30	Pass
802.11ac (VHT40)	SISO	5190	7.42	9.73	<=23.98	Pass
		5230	6.13	8.40	<=23.98	Pass
		5755	10.94	10.67	<=30	Pass
		5795	10.00	9.31	<=30	Pass
802.11ac (VHT80)	SISO	5210	7.22	10.99	<=23.98	Pass
		5775	9.36	9.09	<=30	Pass
Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi;						

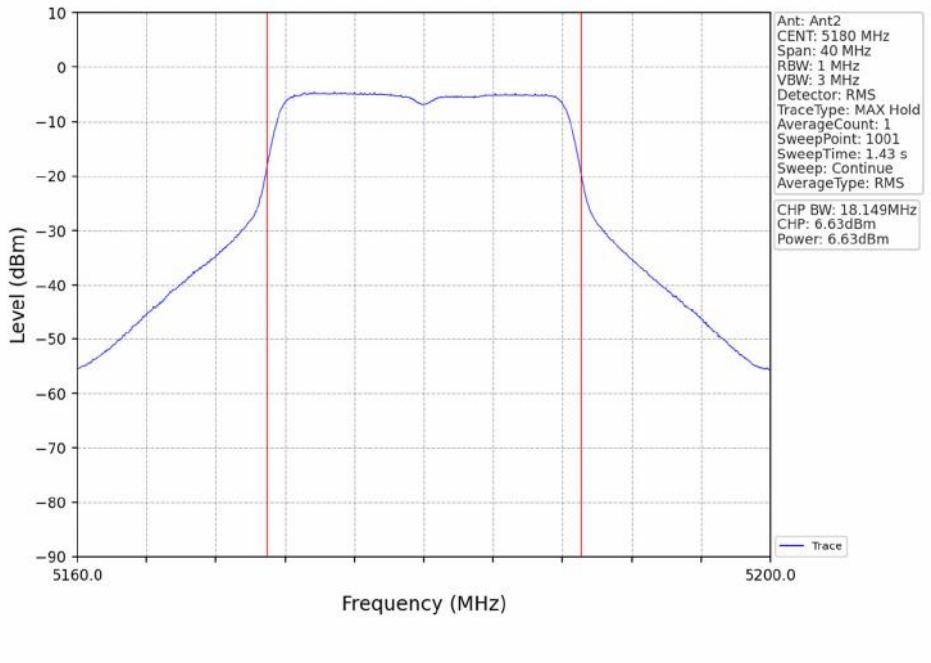
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11n (HT20)	MIMO	5180	7.31	7.70	10.52	<=23.98	Pass
		5200	7.00	7.04	10.03	<=23.98	Pass
		5240	5.96	8.52	10.44	<=23.98	Pass
		5745	8.82	7.78	11.34	<=30	Pass
		5785	8.52	7.57	11.08	<=30	Pass
		5825	8.84	8.21	11.55	<=30	Pass
802.11n (HT40)	MIMO	5190	7.56	7.85	10.72	<=23.98	Pass
		5230	6.24	8.09	10.27	<=23.98	Pass
		5755	8.52	7.88	11.22	<=30	Pass
		5795	8.93	8.38	11.67	<=30	Pass
802.11ac (VHT20)	MIMO	5180	7.63	10.10	12.05	<=23.98	Pass
		5200	6.89	9.22	11.22	<=23.98	Pass
		5240	5.54	9.23	10.78	<=23.98	Pass
		5745	8.73	10.91	12.97	<=30	Pass
		5785	8.77	10.50	12.73	<=30	Pass
		5825	8.73	10.64	12.80	<=30	Pass
802.11ac (VHT40)	MIMO	5190	7.42	9.73	11.74	<=23.98	Pass
		5230	6.13	8.40	10.42	<=23.98	Pass
		5755	10.94	10.67	13.82	<=30	Pass
		5795	10.00	9.31	12.68	<=30	Pass
802.11ac (VHT80)	MIMO	5210	7.22	10.99	12.51	<=23.98	Pass
		5775	9.36	9.09	12.24	<=30	Pass
Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi; Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain=2.00dBi)							

3.1.2 Test Graph

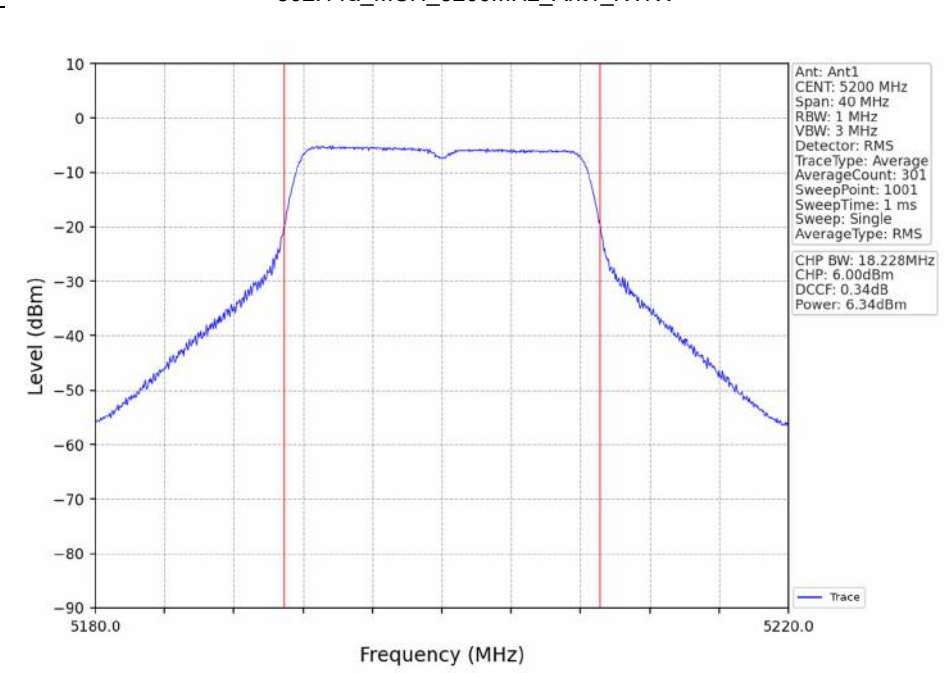
802.11a_LCH_5180MHz_Ant1_NTNV



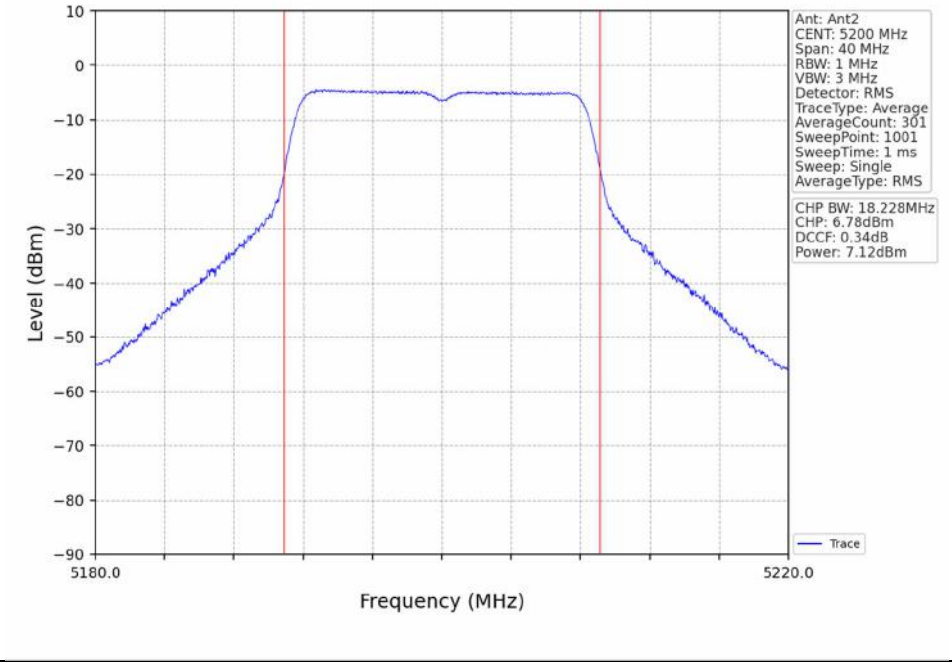
802.11a_LCH_5180MHz_Ant2_NTNV



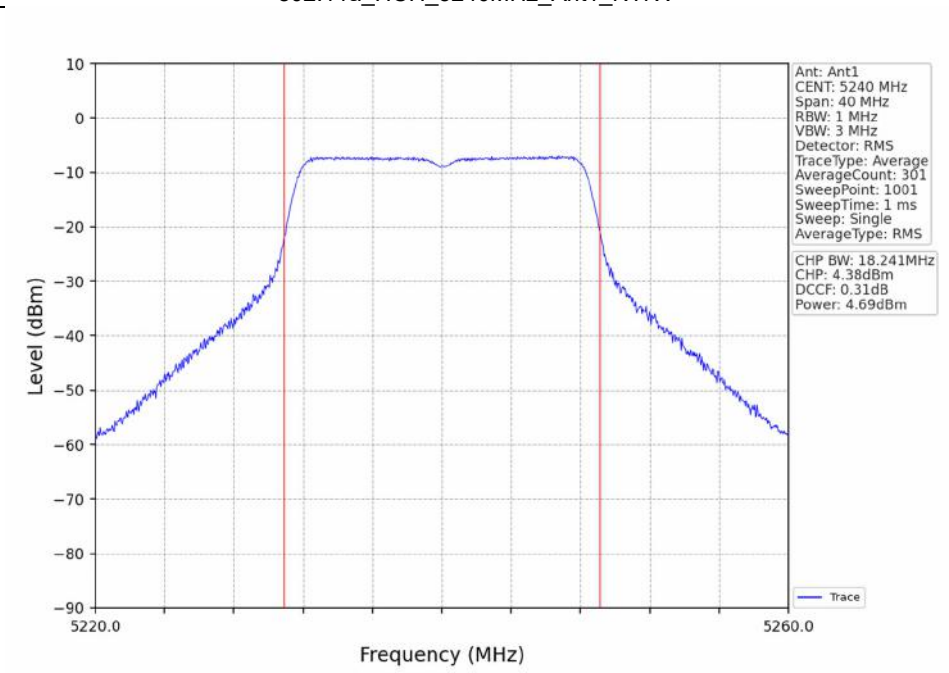
802.11a_MCH_5200MHz_Ant1_NTNV



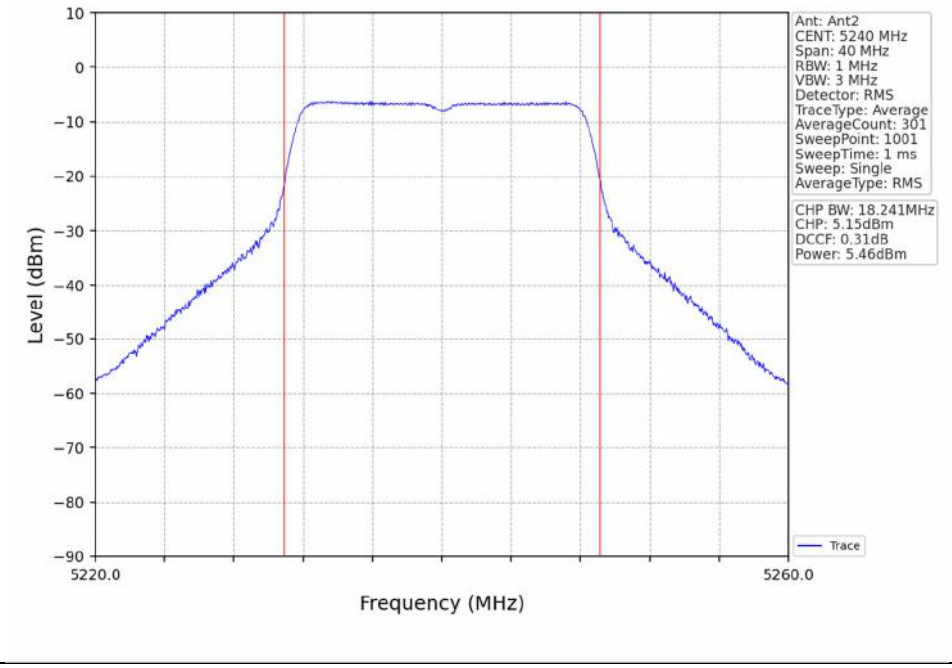
802.11a_MCH_5200MHz_Ant2_NTNV



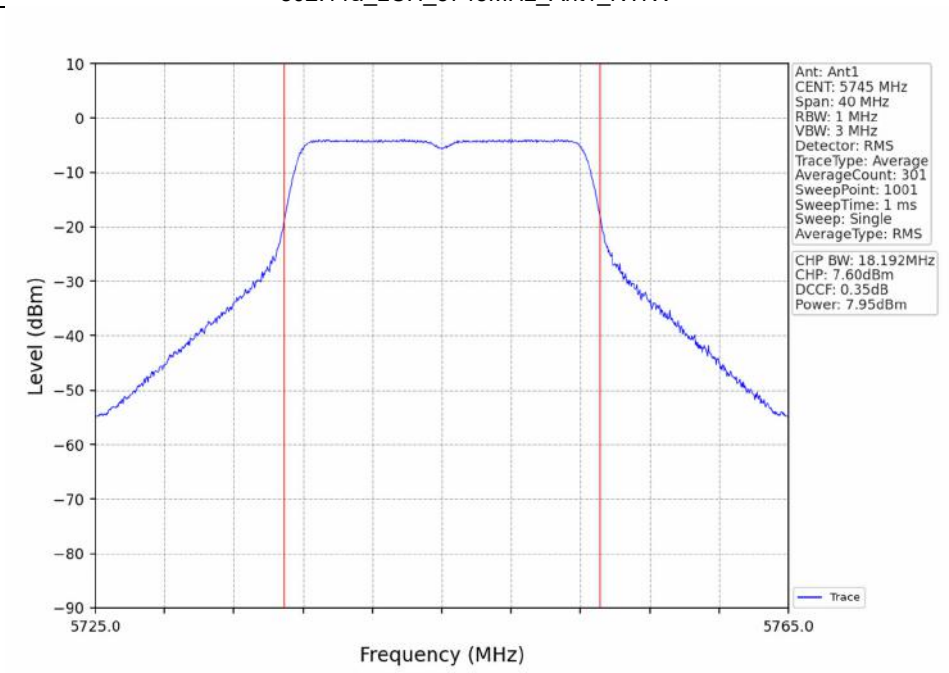
802.11a_HCH_5240MHz_Ant1_NTNV



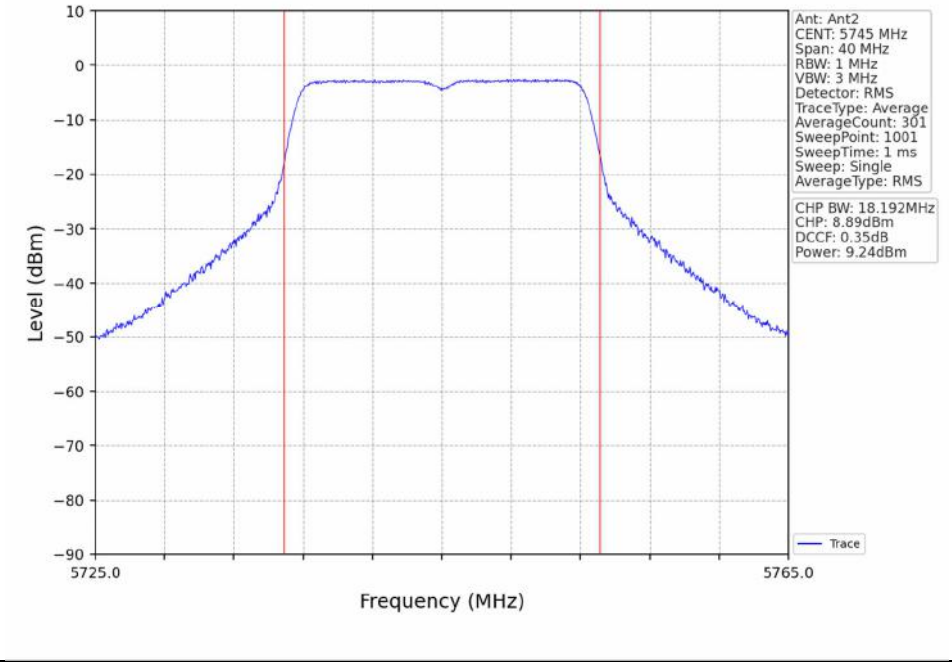
802.11a_HCH_5240MHz_Ant2_NTNV



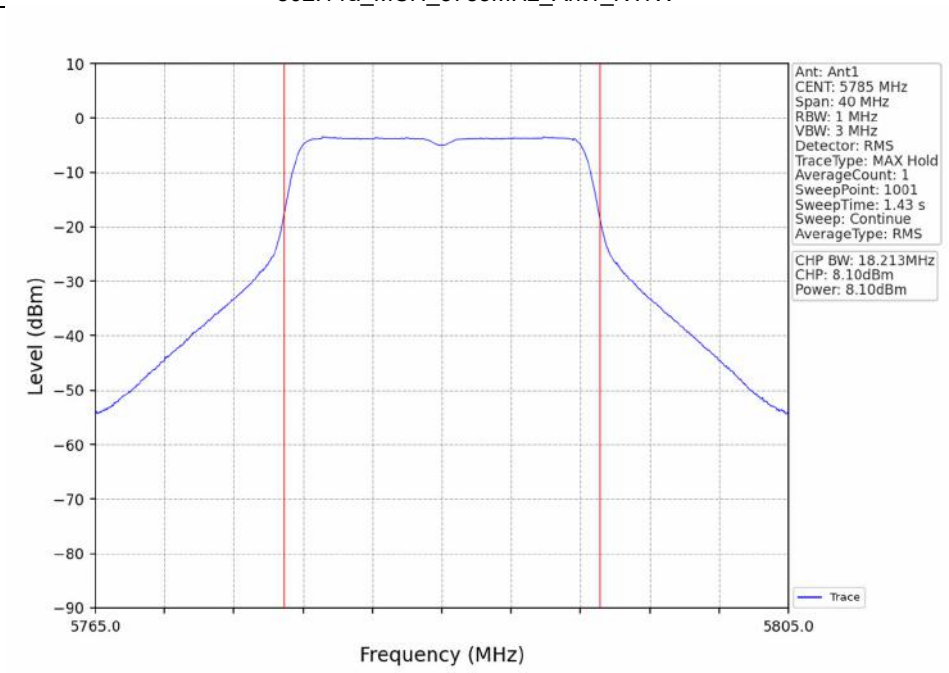
802.11a_LCH_5745MHz_Ant1_NTNV



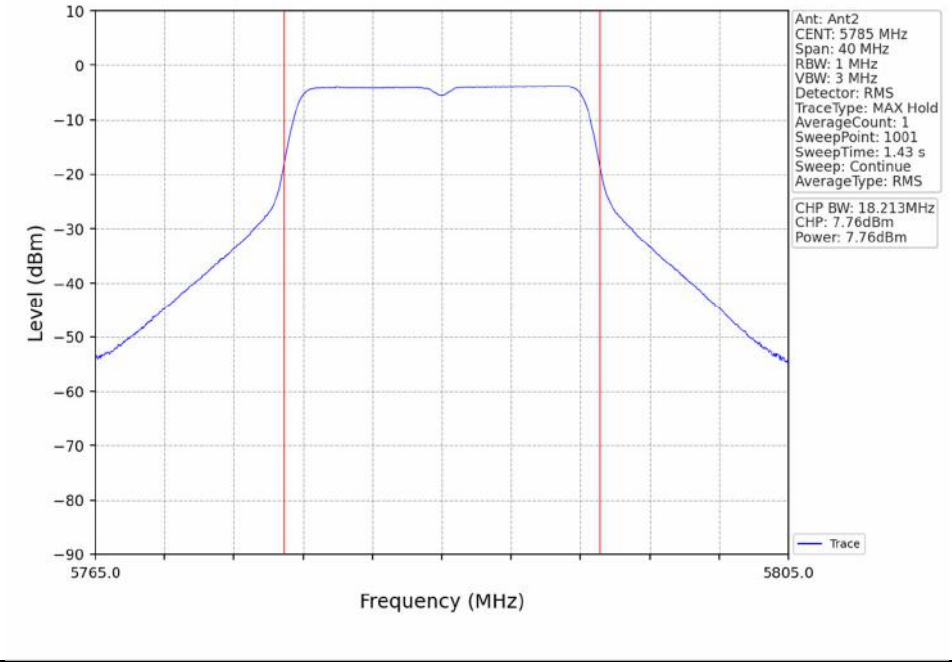
802.11a_LCH_5745MHz_Ant2_NTNV



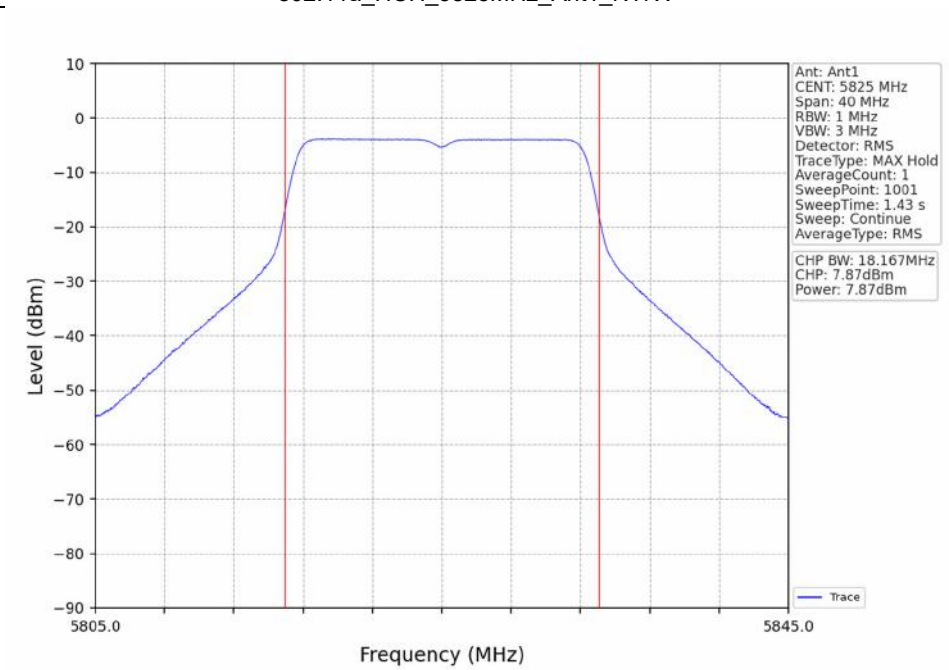
802.11a_MCH_5785MHz_Ant1_NTNV



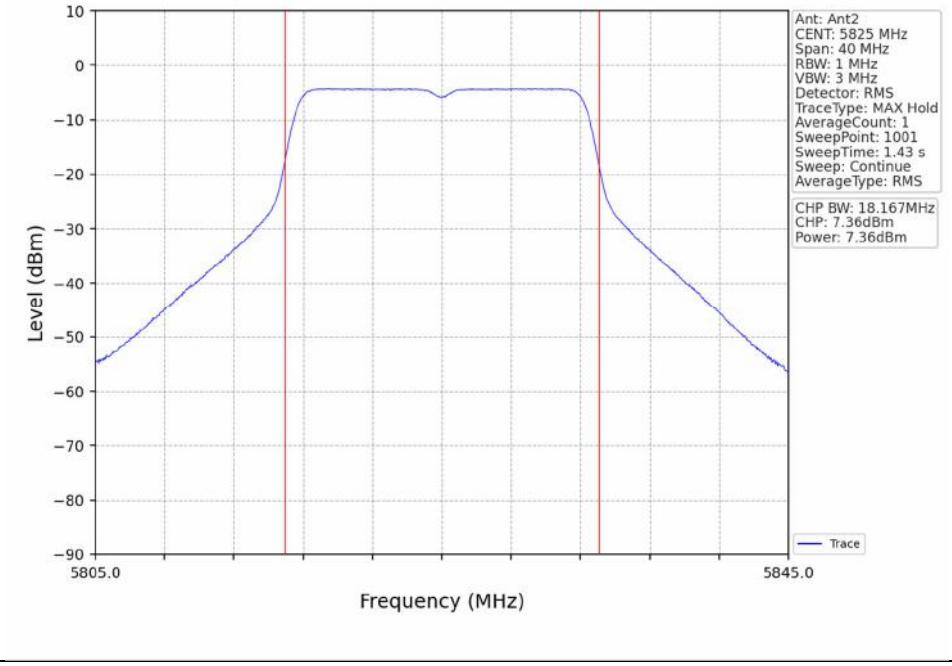
802.11a_MCH_5785MHz_Ant2_NTNV



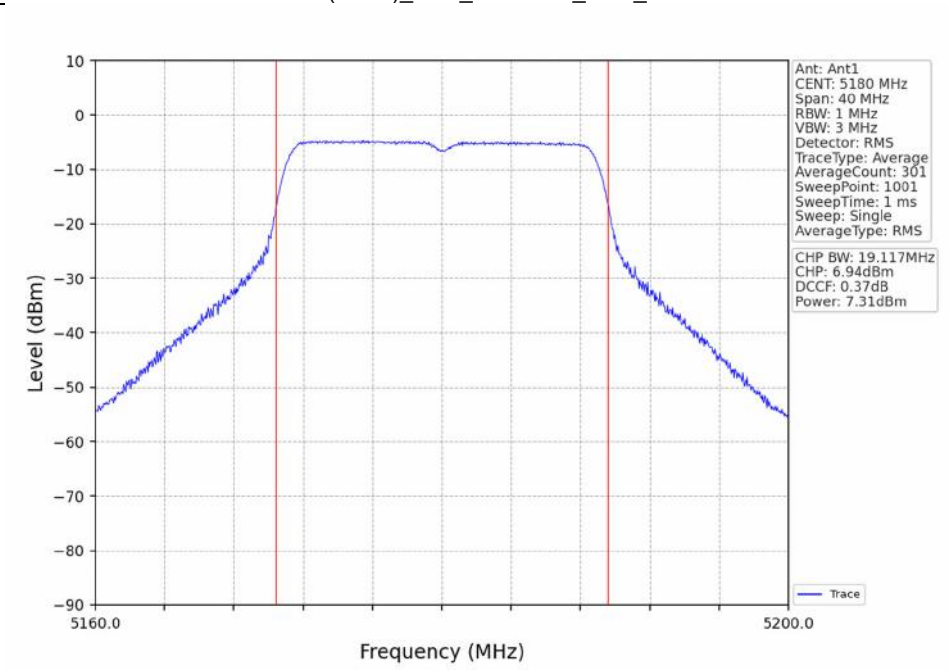
802.11a_HCH_5825MHz_Ant1_NTNV



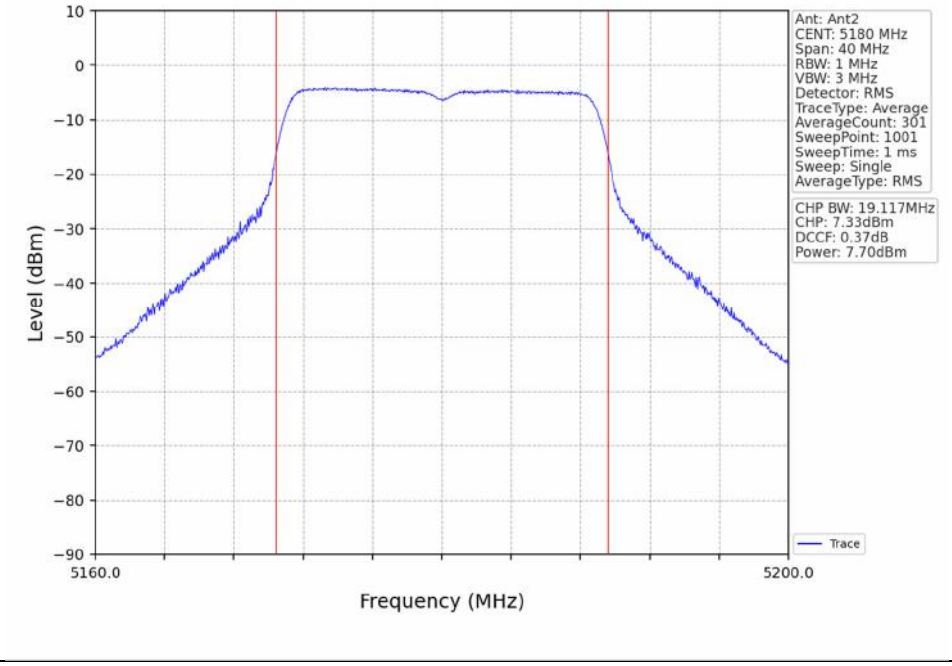
802.11a_HCH_5825MHz_Ant2_NTNV



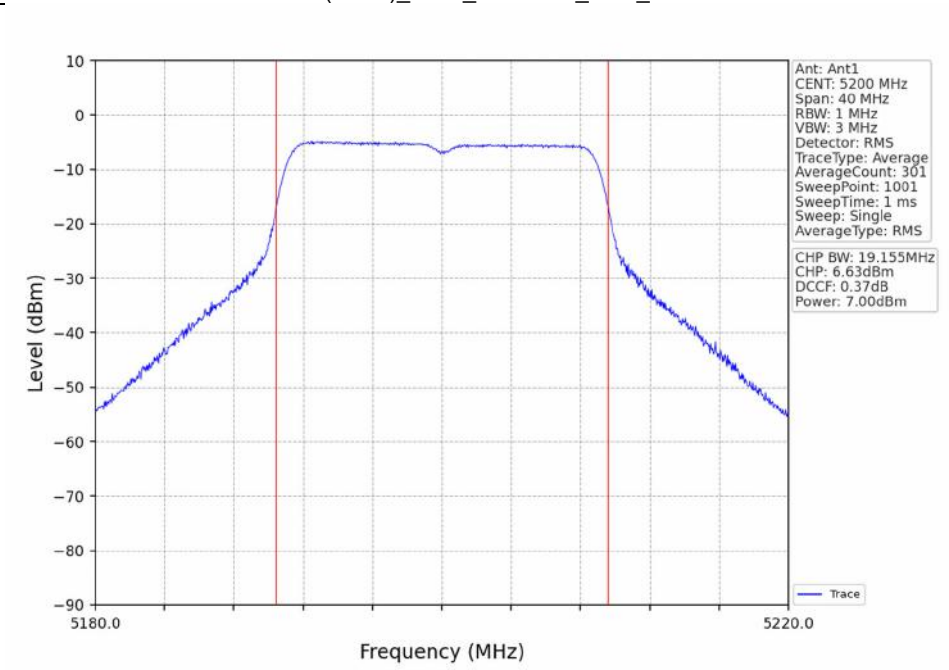
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



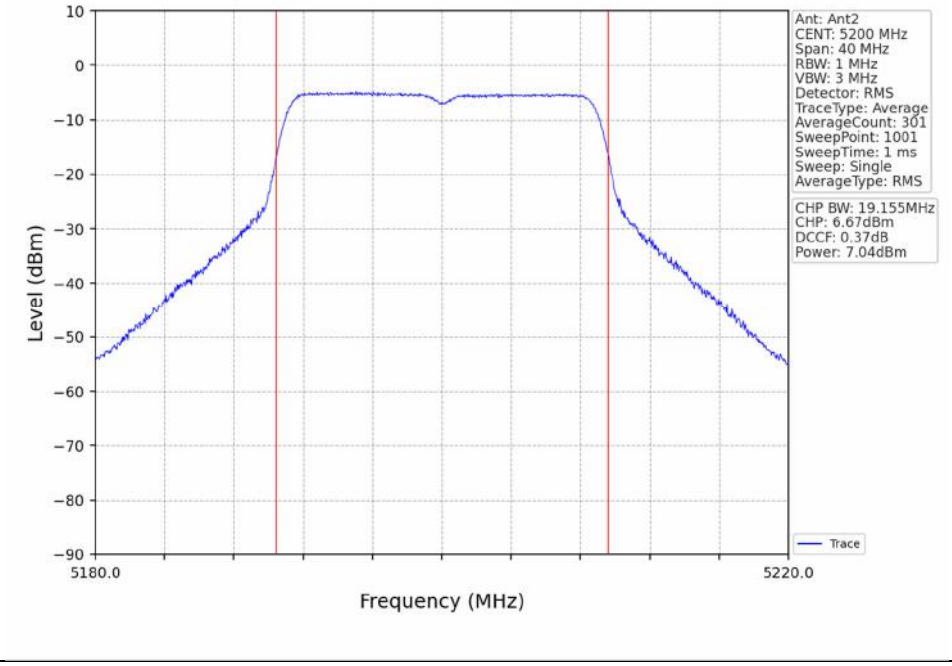
802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



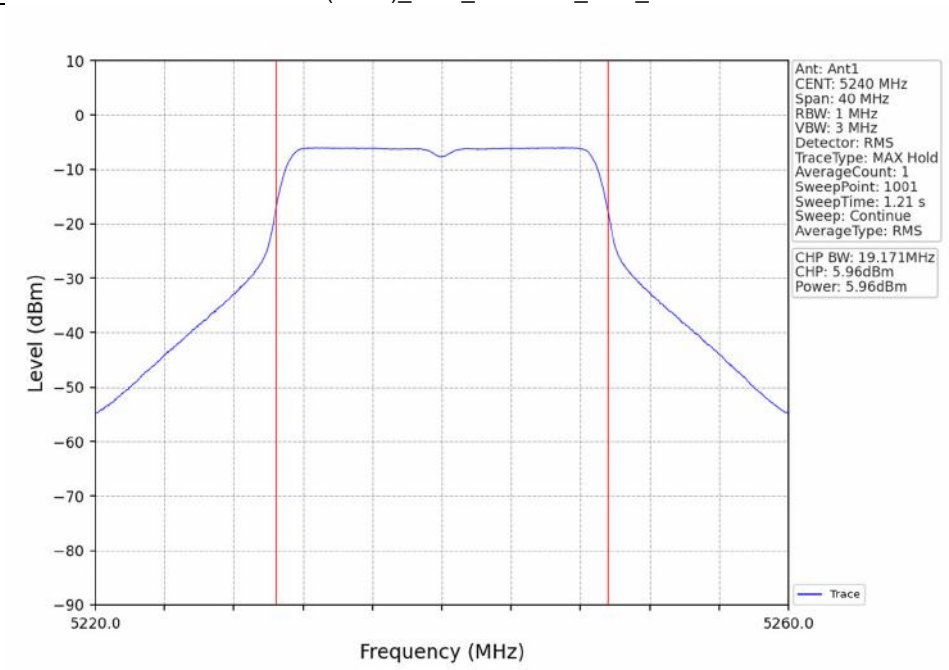
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



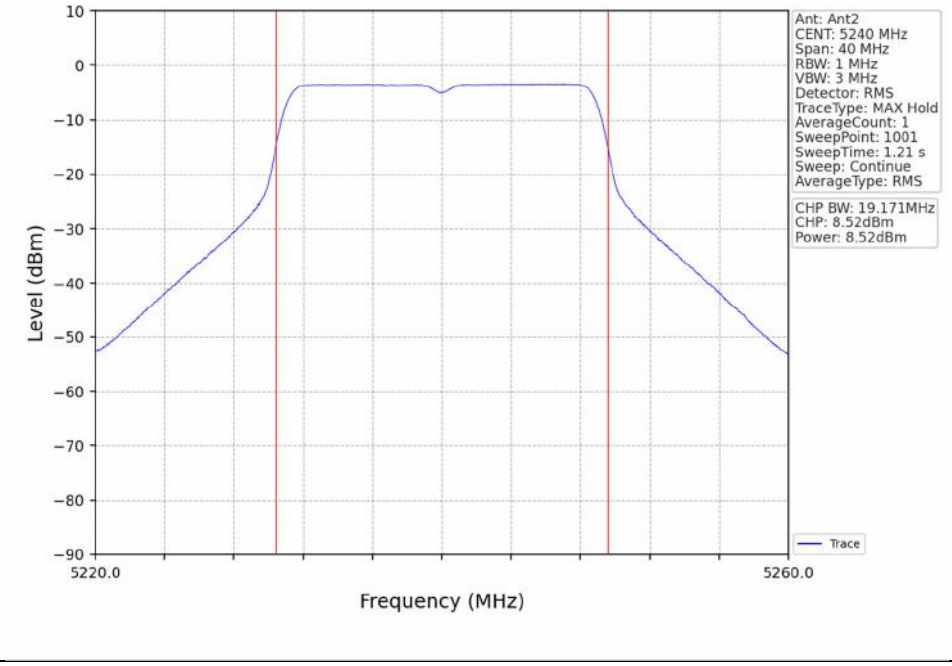
802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



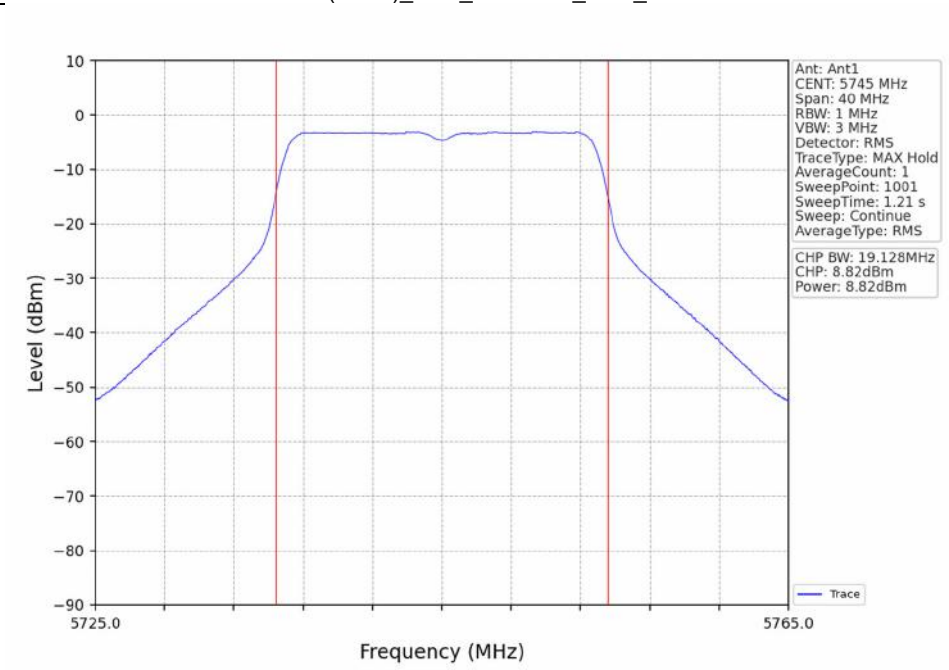
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



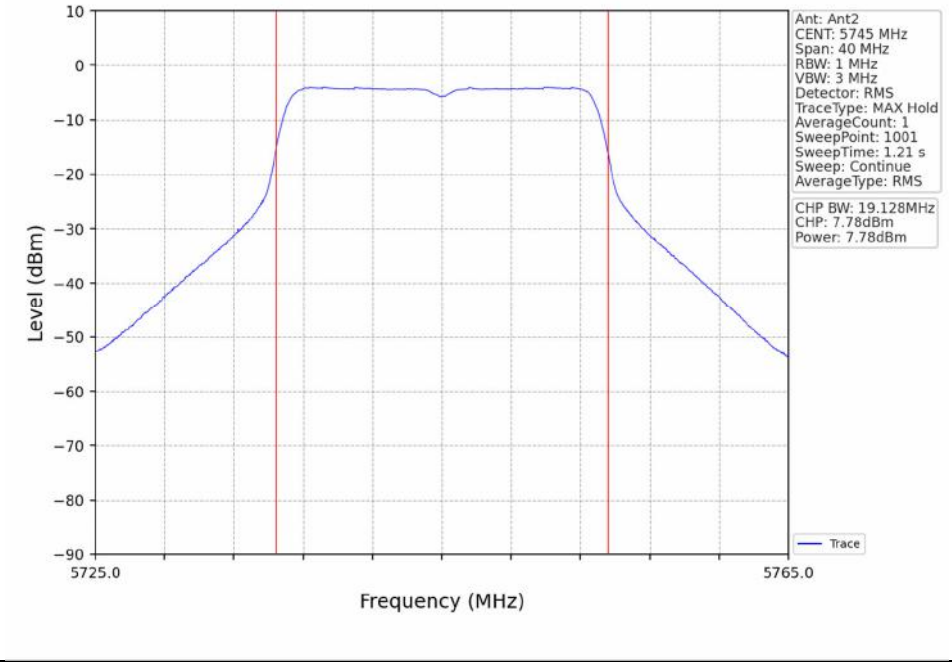
802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



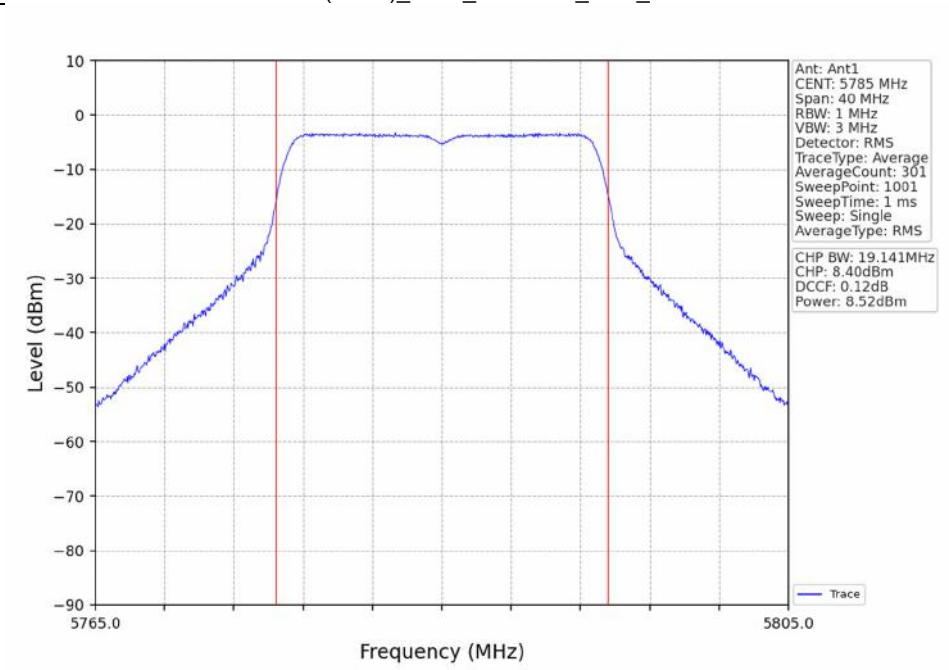
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



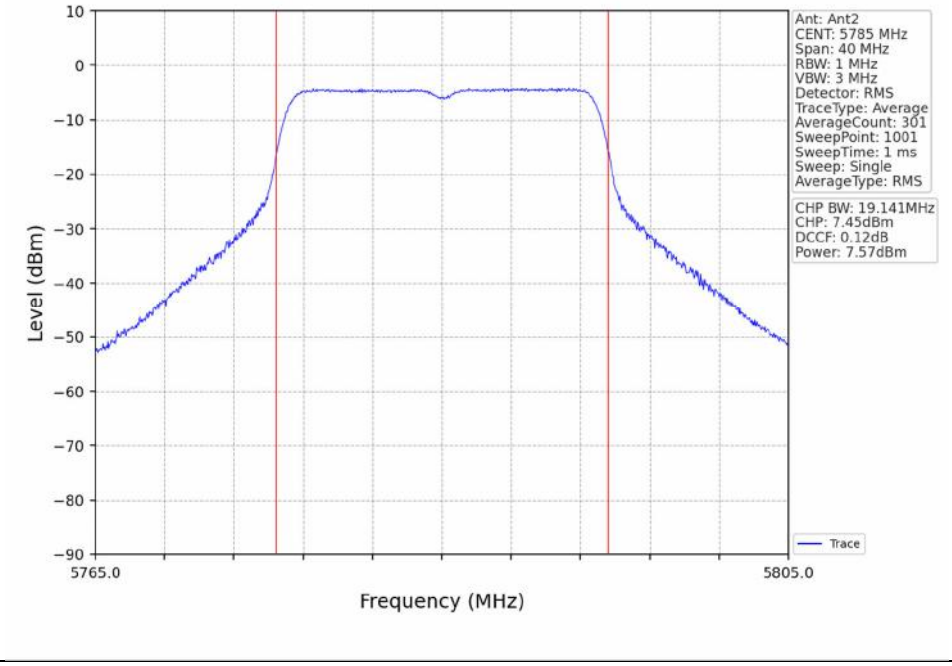
802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



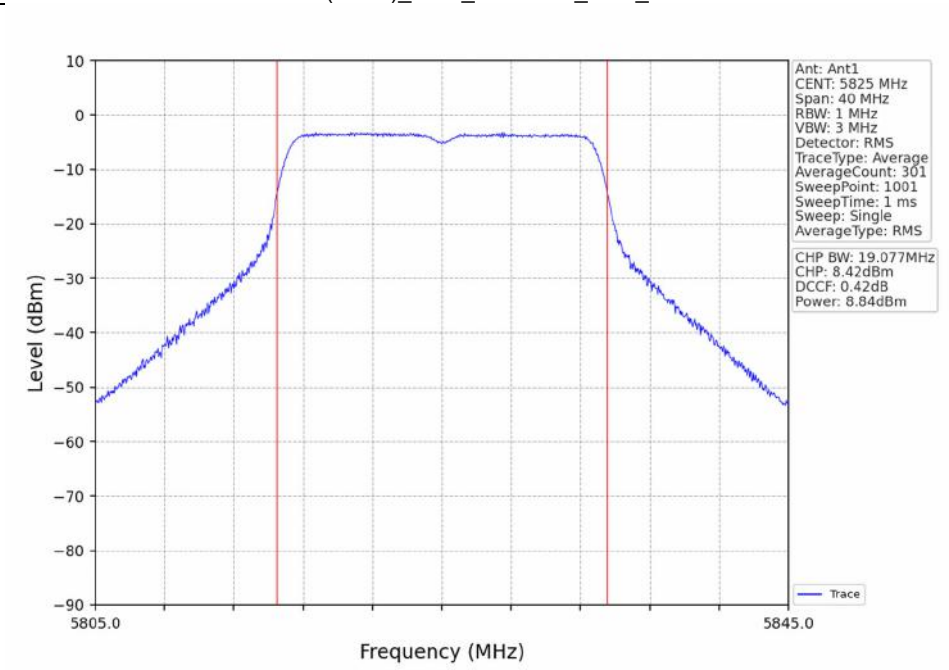
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



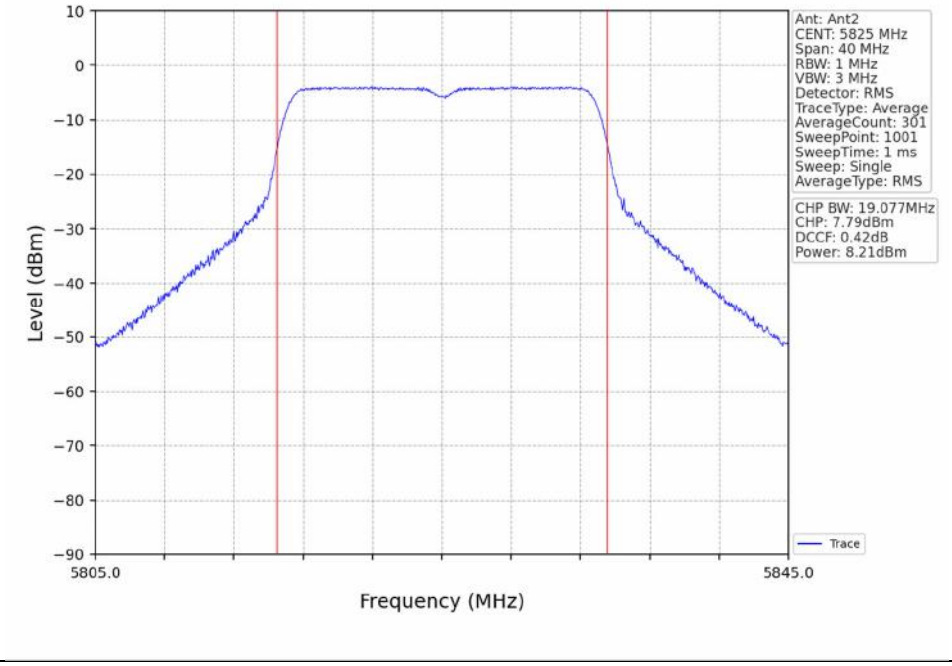
802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



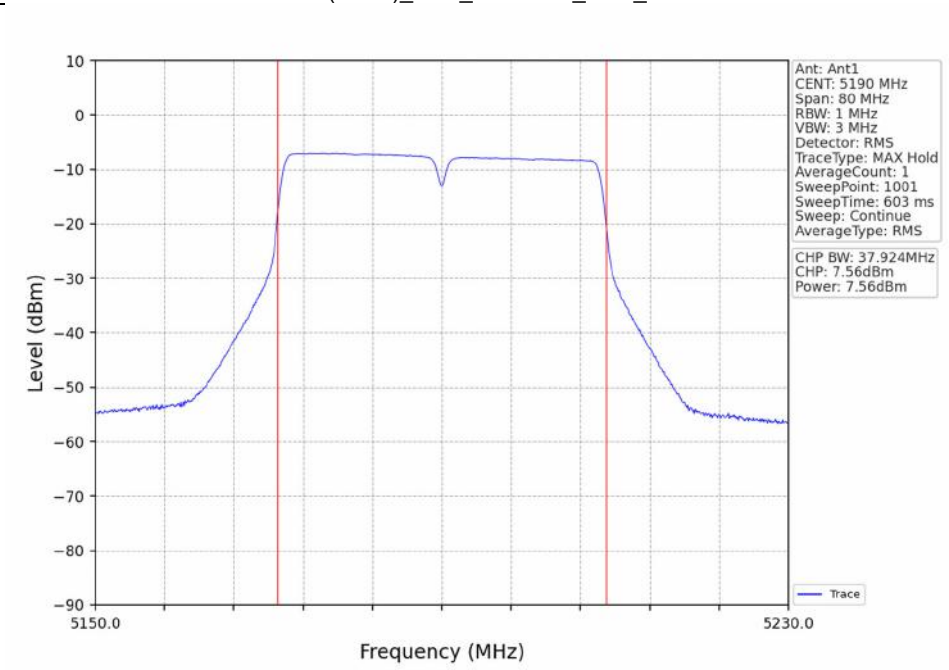
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



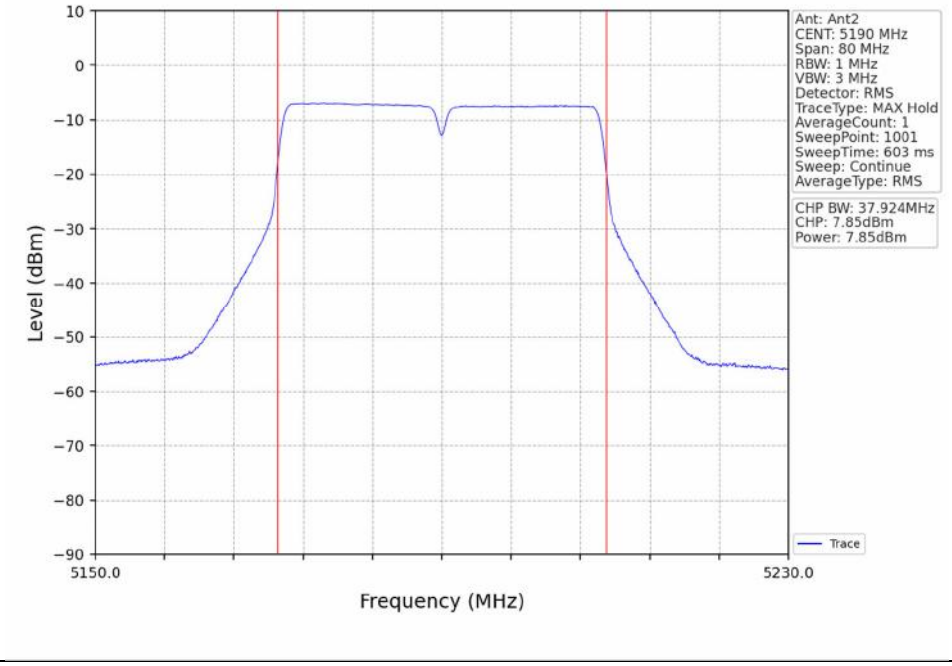
802.11n(HT20)_HCH_5825MHz_Ant2_NTNV



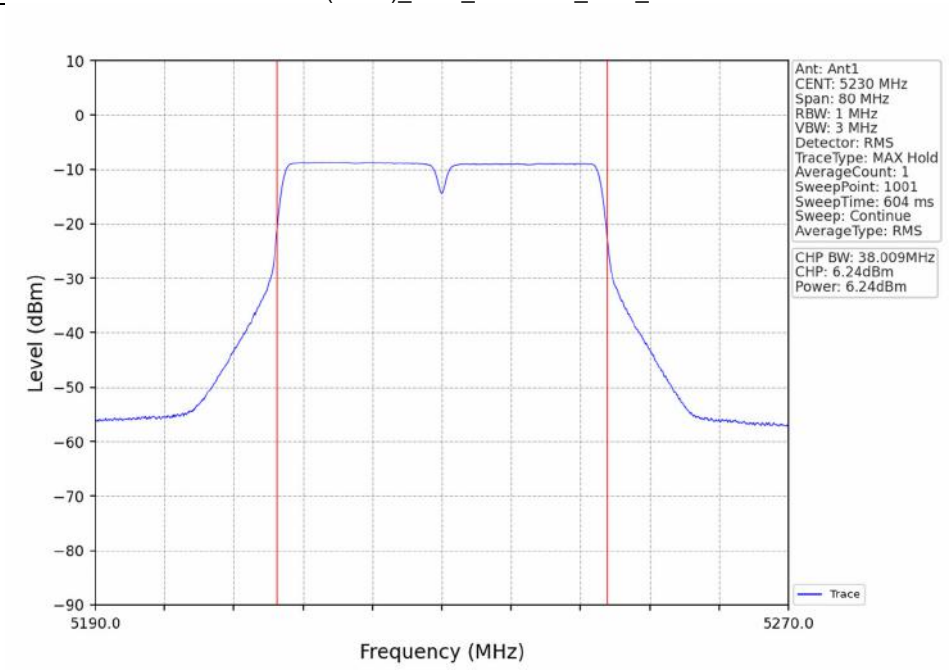
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



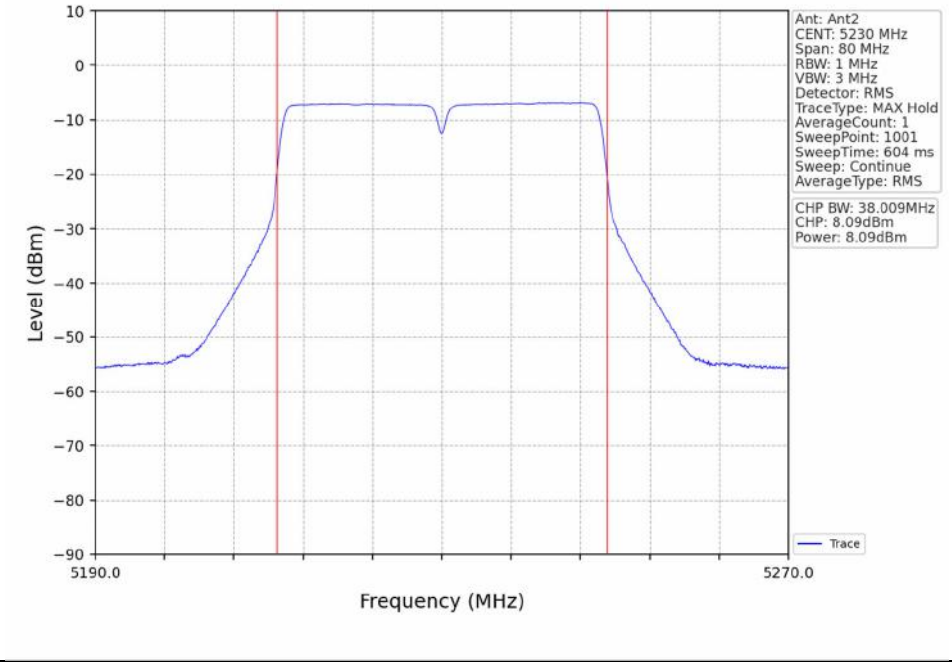
802.11n(HT40)_LCH_5190MHz_Ant2_NTNV



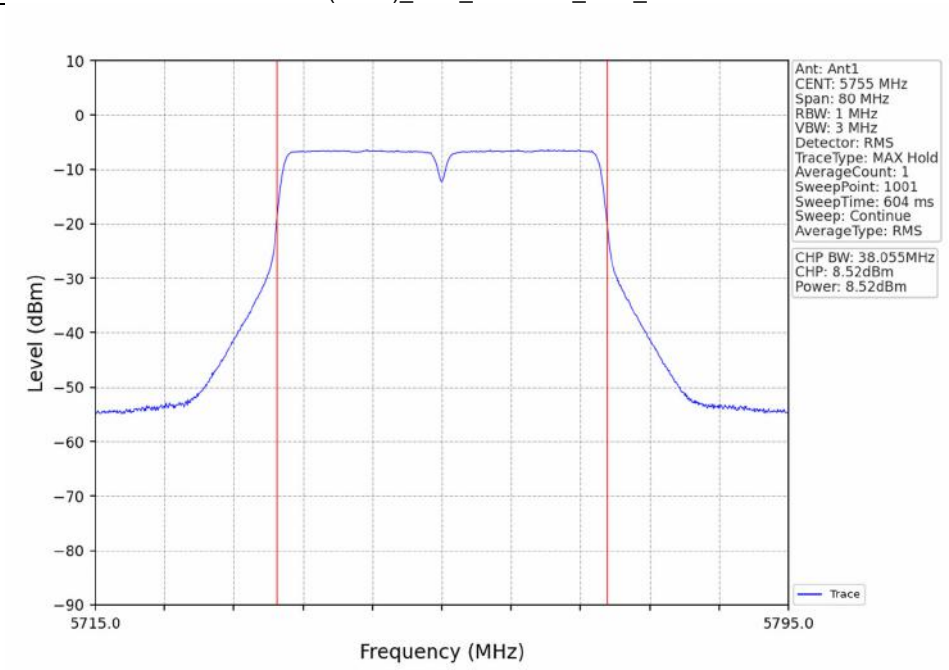
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



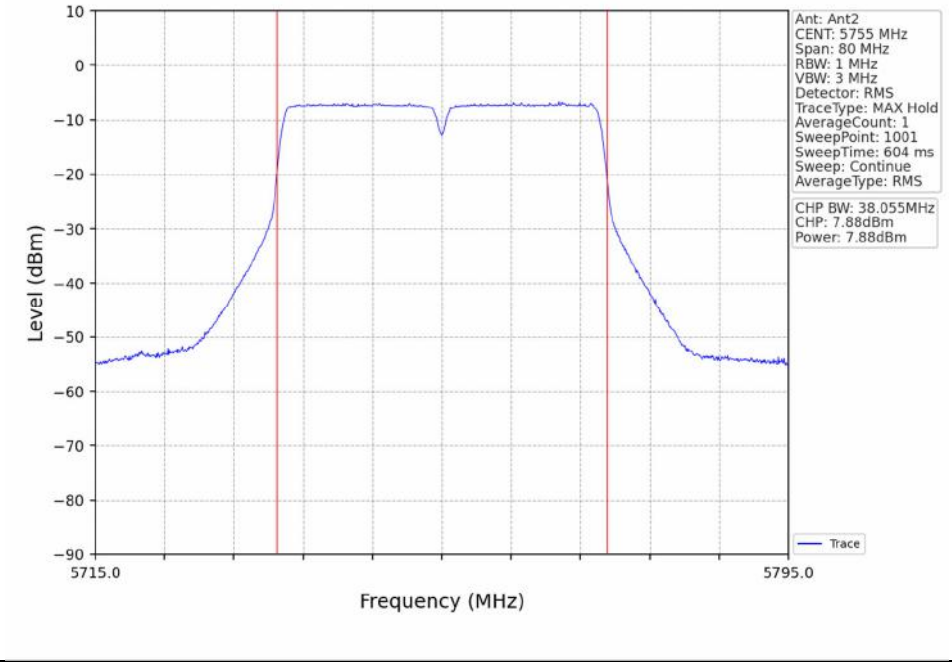
802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



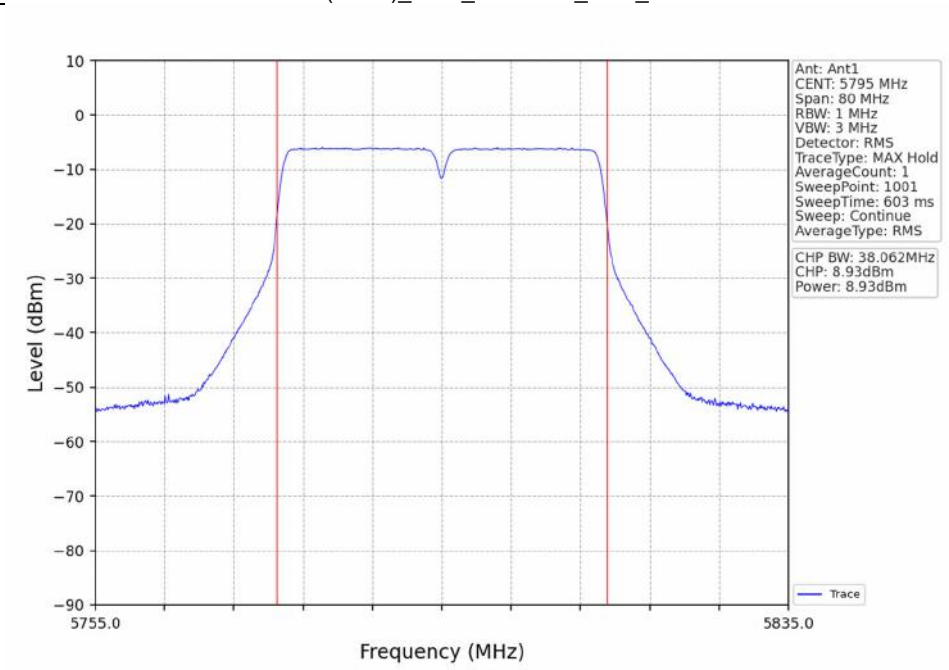
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



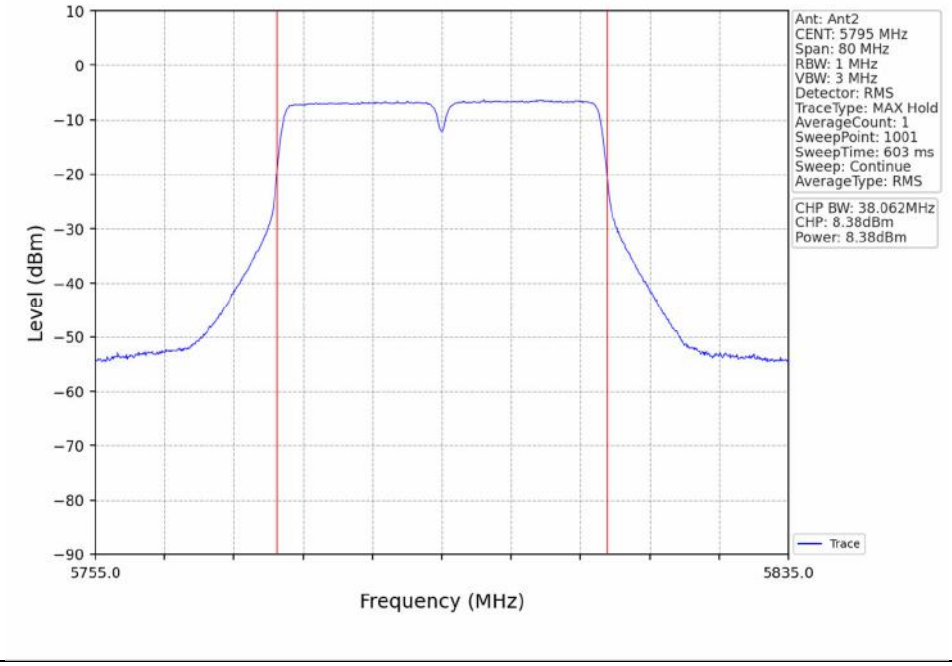
802.11n(HT40)_LCH_5755MHz_Ant2_NTNV



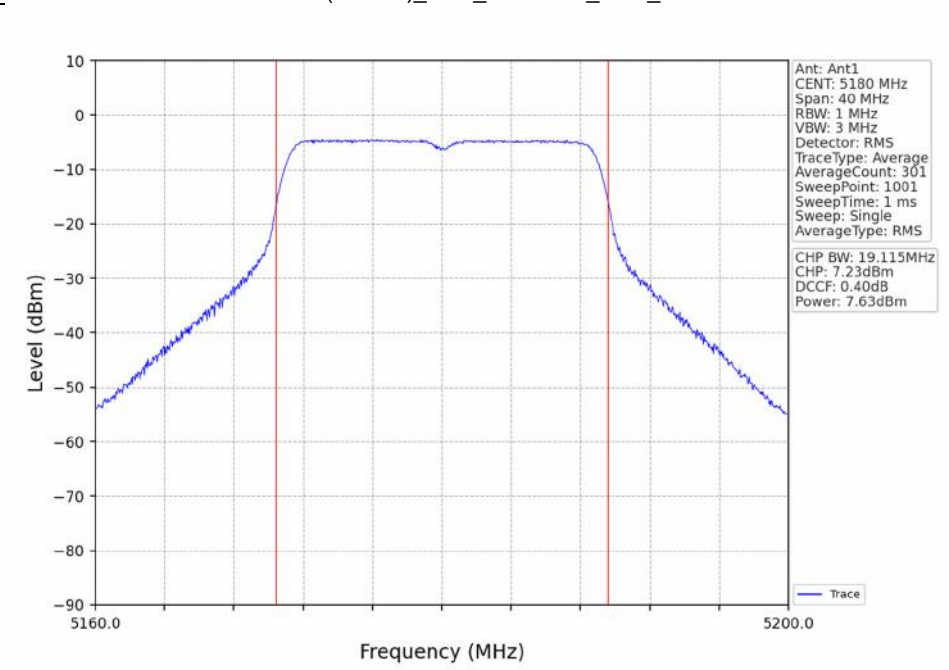
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



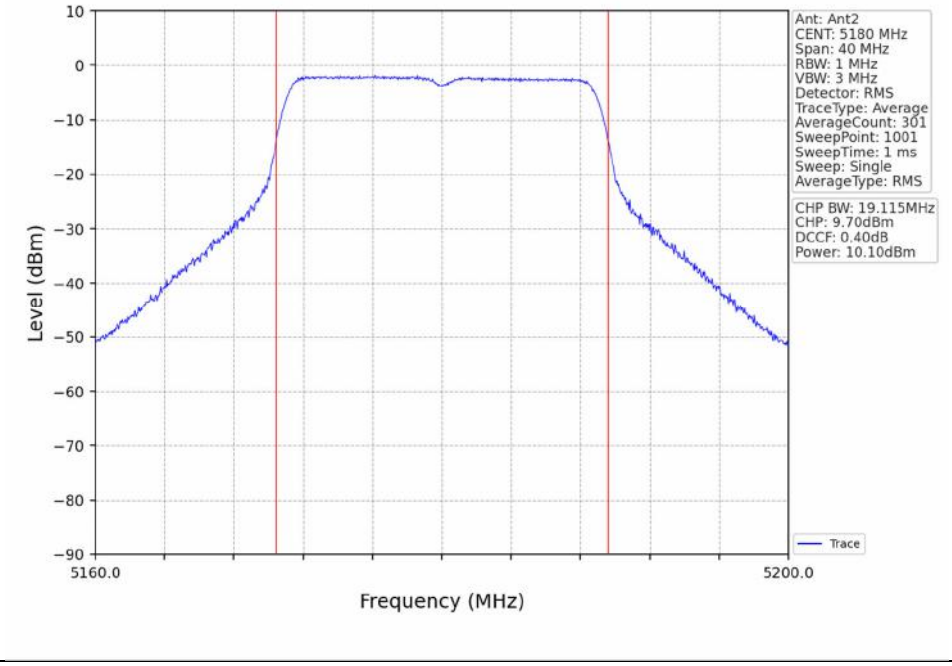
802.11n(HT40)_HCH_5795MHz_Ant2_NTNV



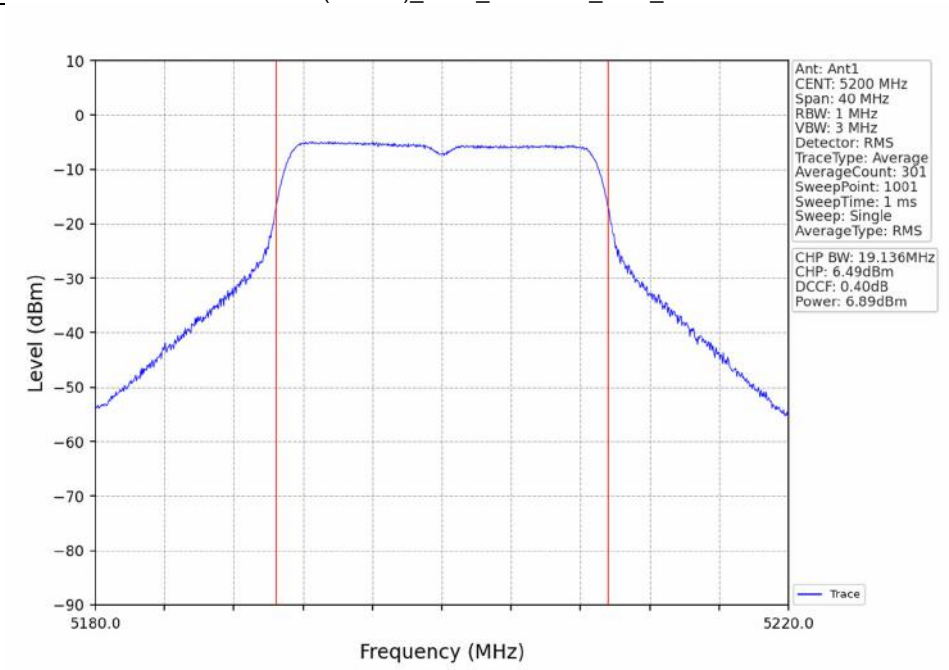
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



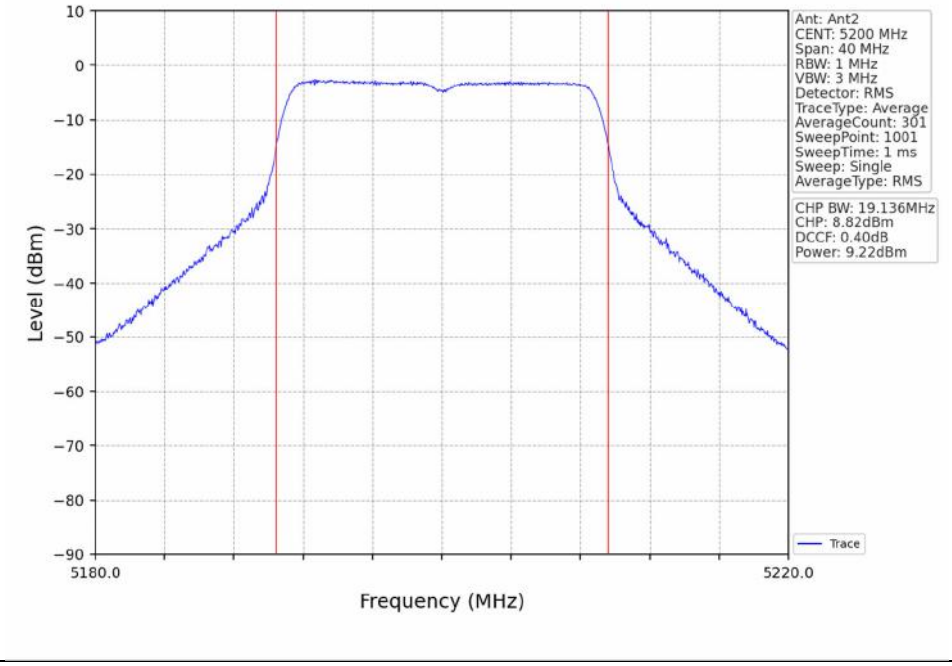
802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV



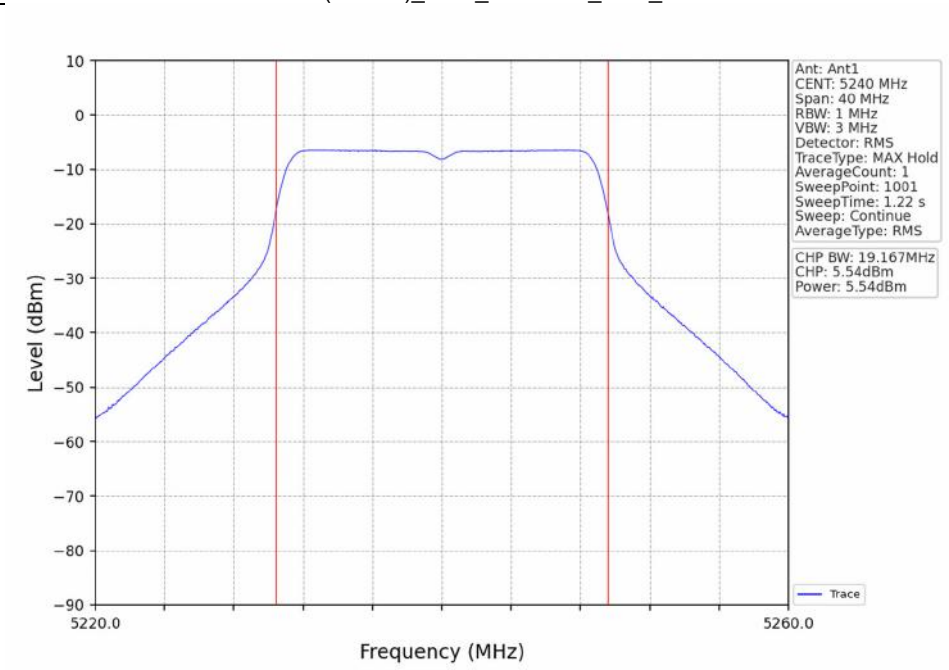
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



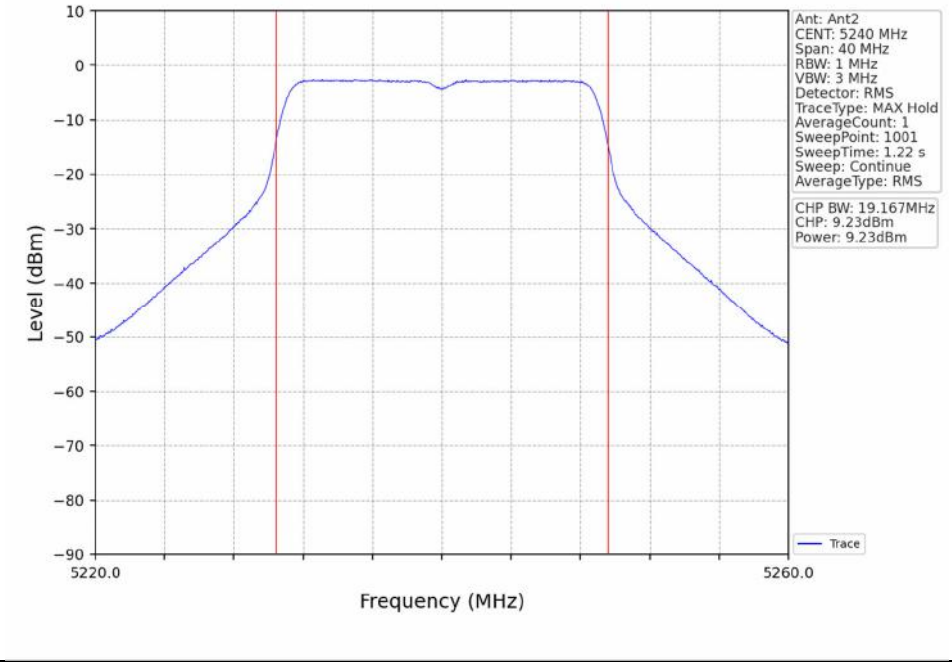
802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV



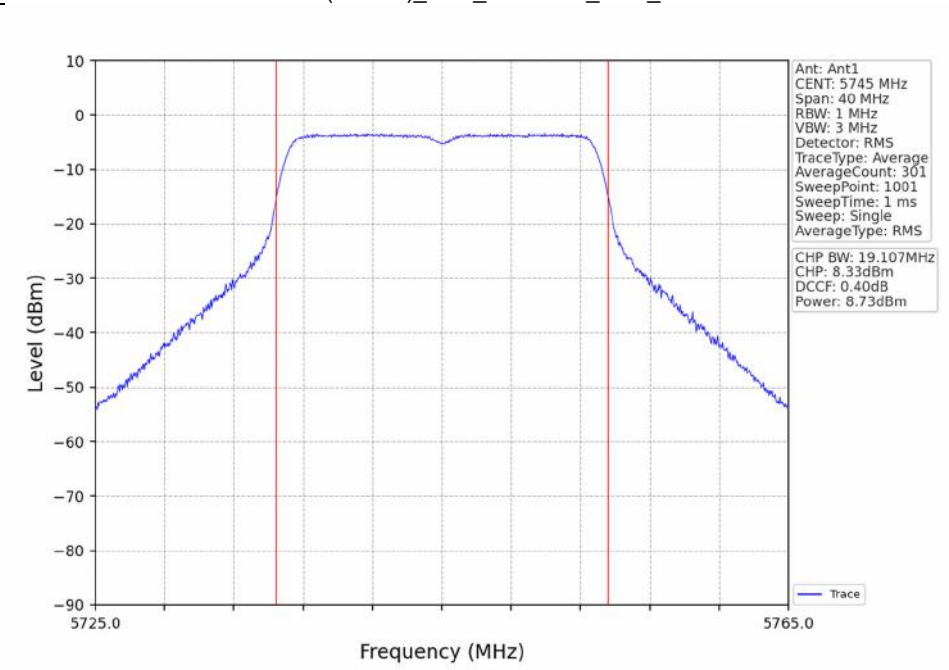
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



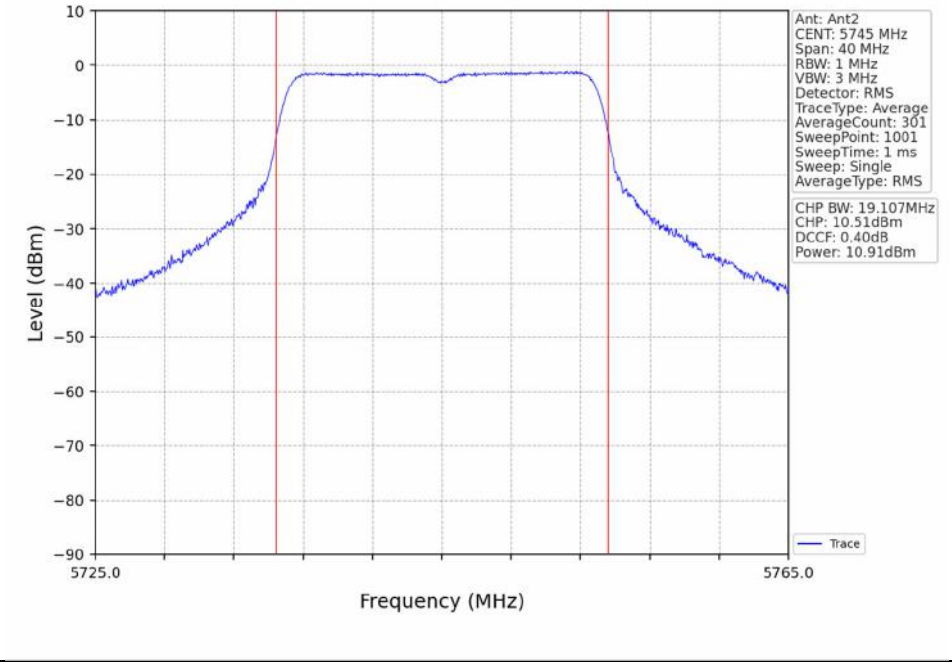
802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



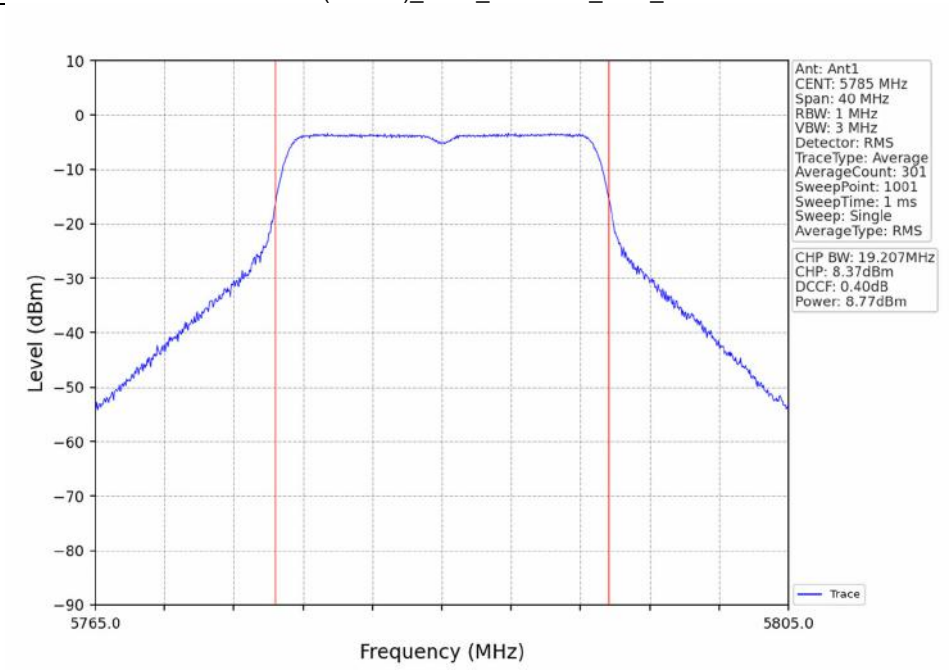
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



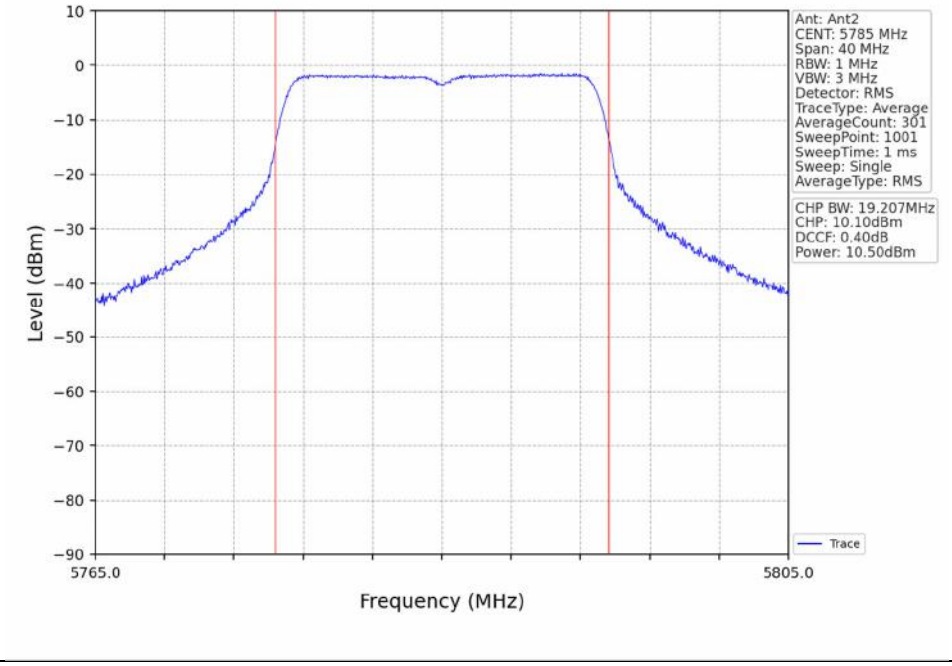
802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV



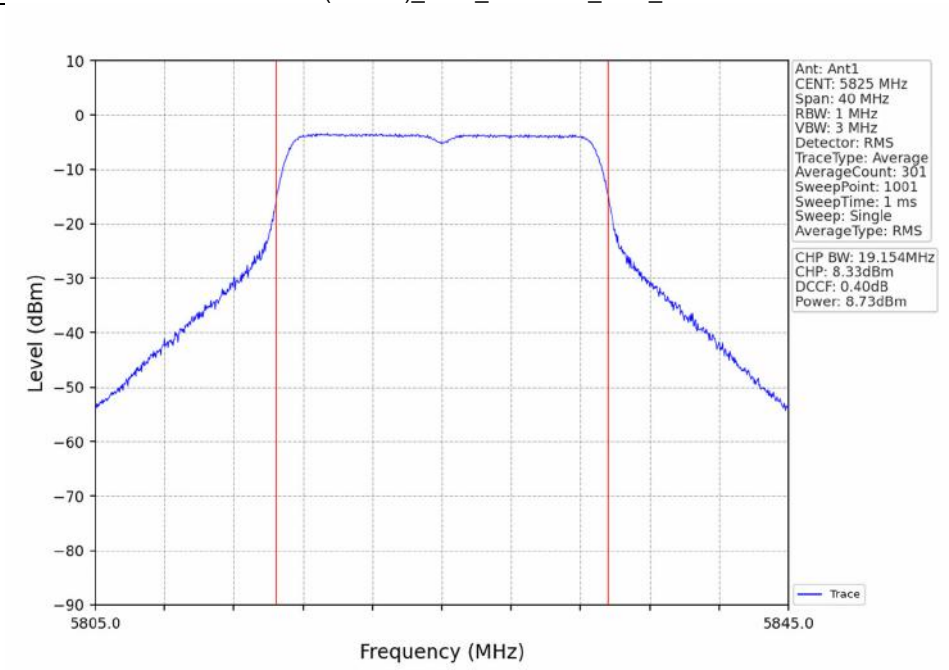
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



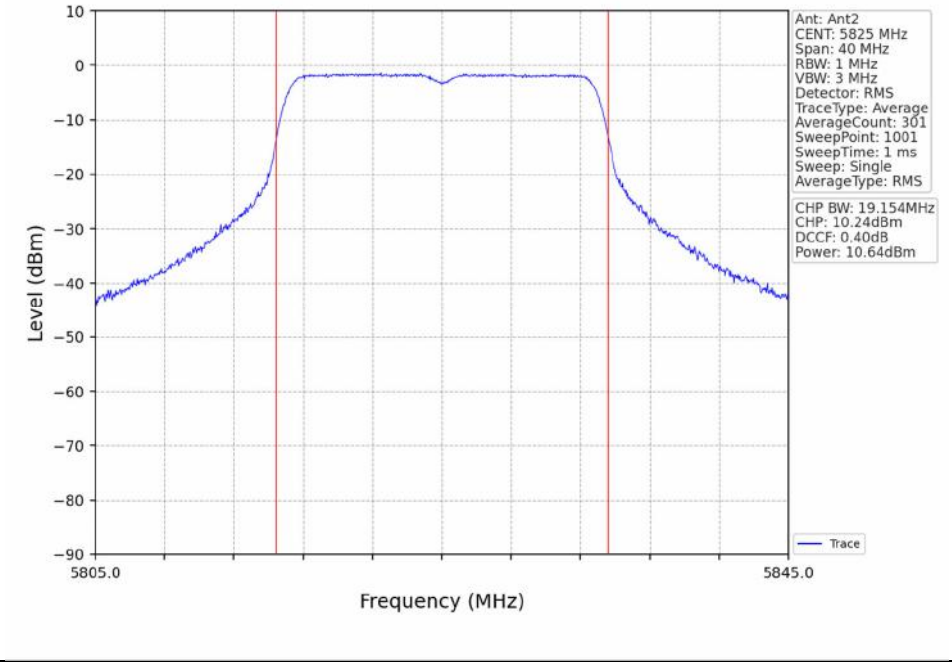
802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



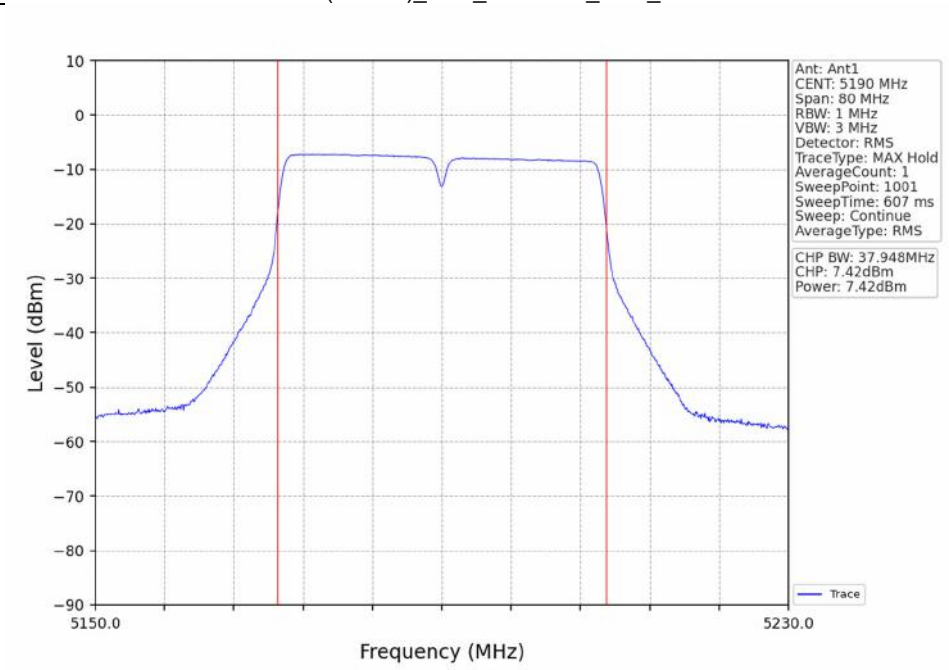
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



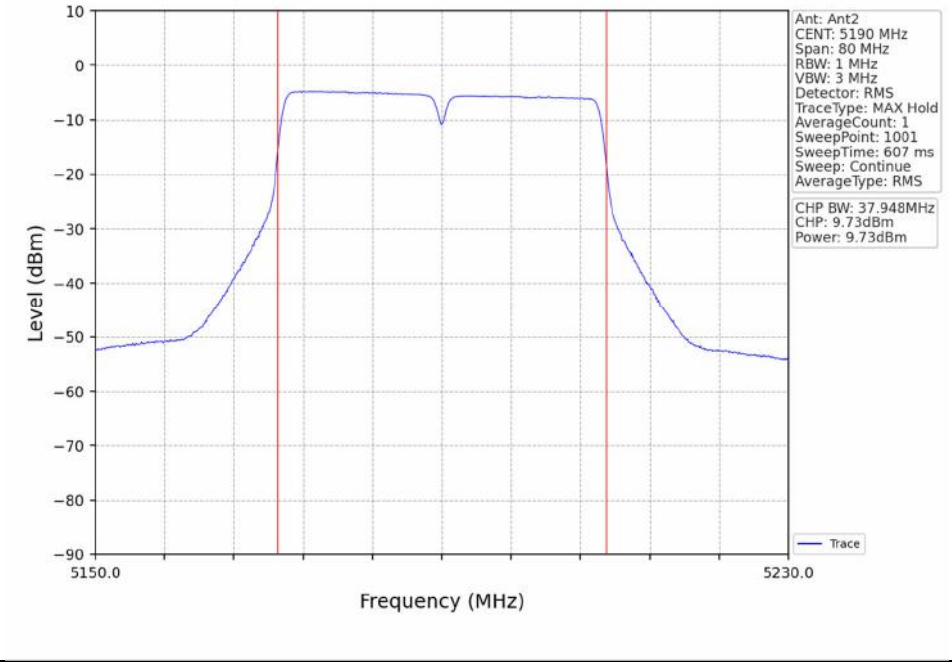
802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



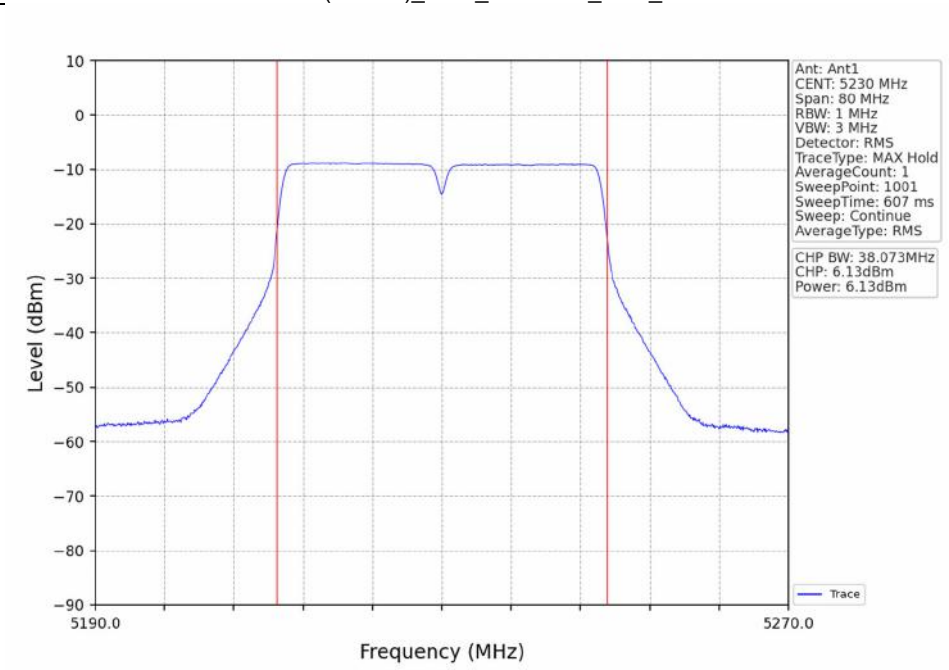
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



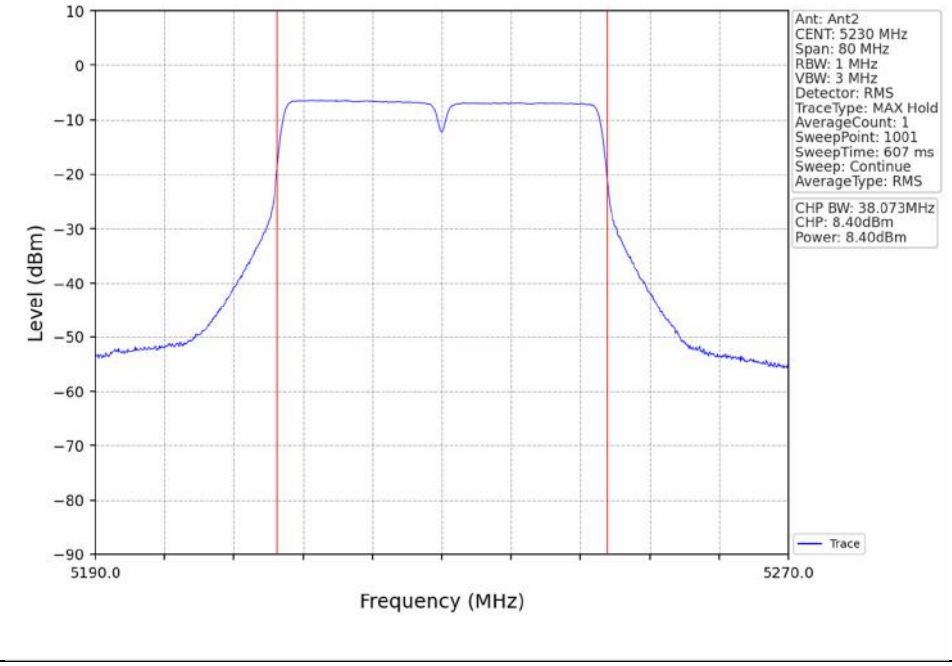
802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



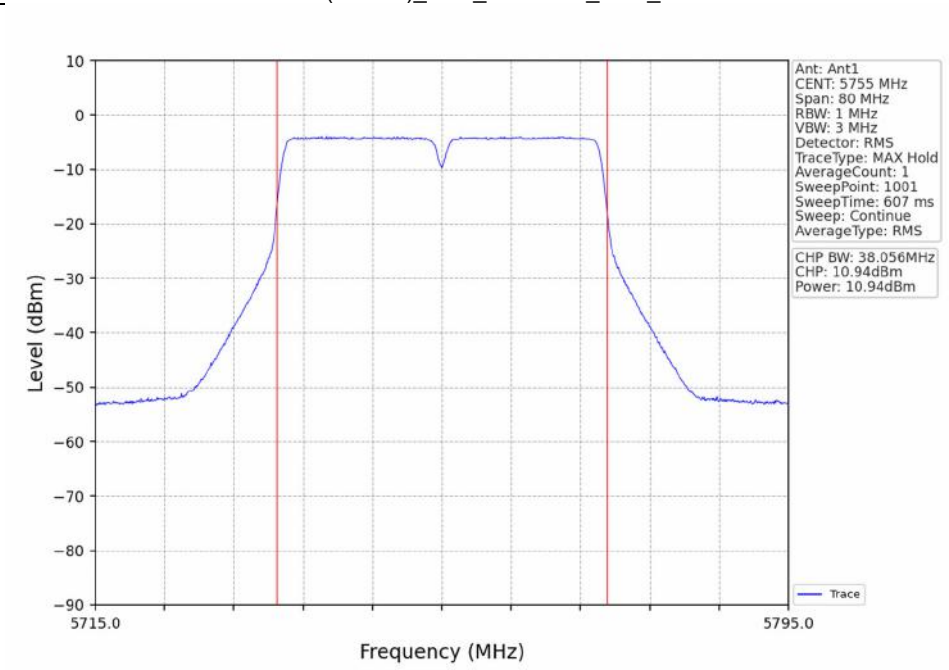
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



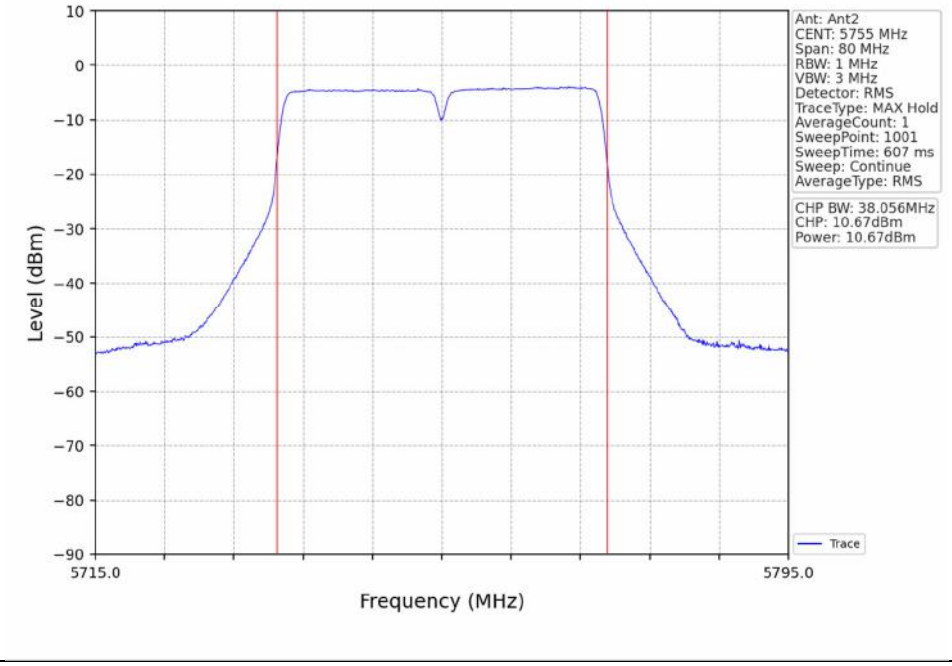
802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



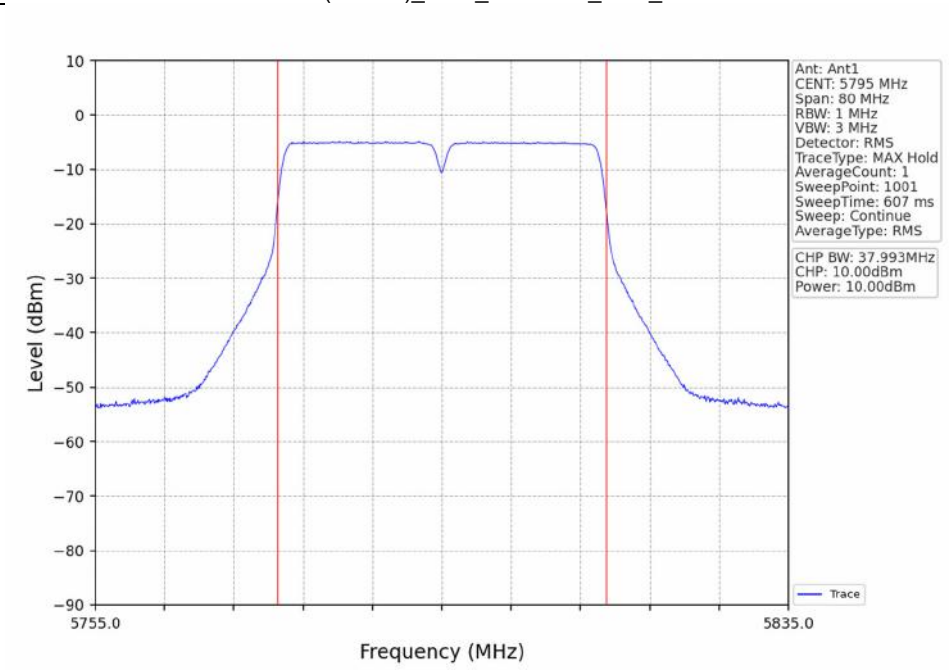
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



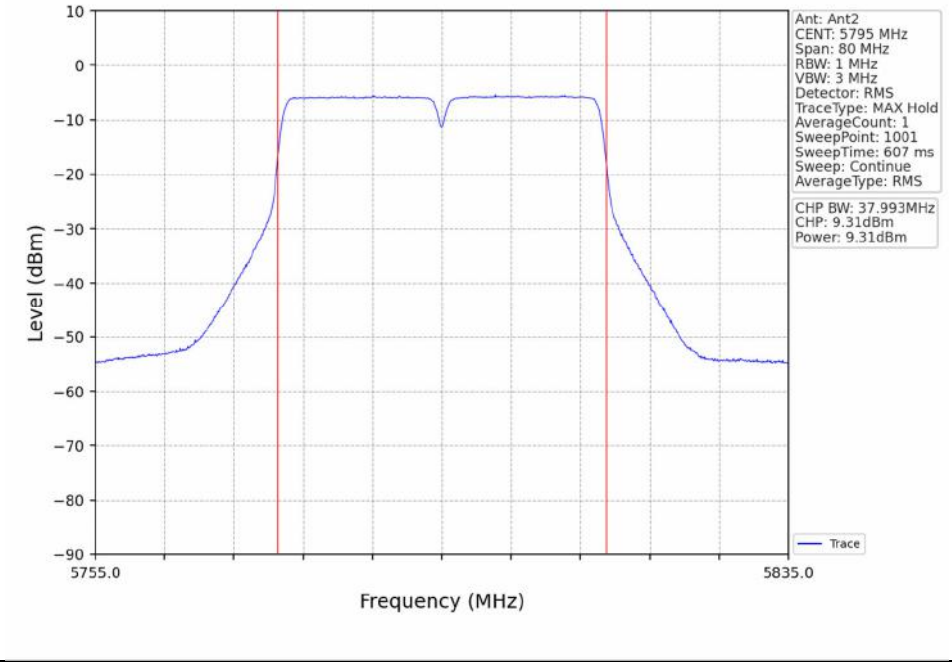
802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



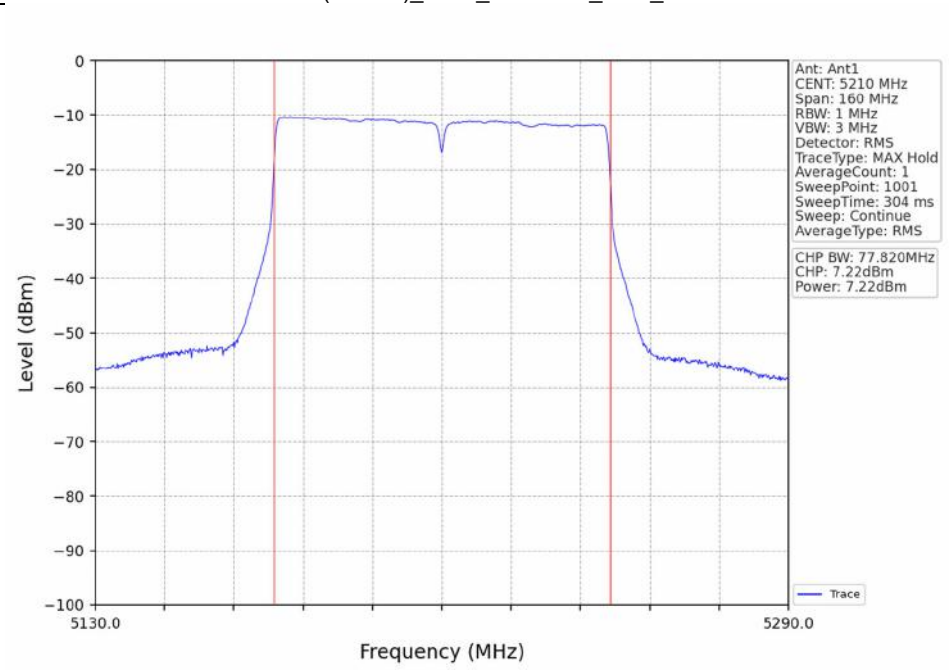
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



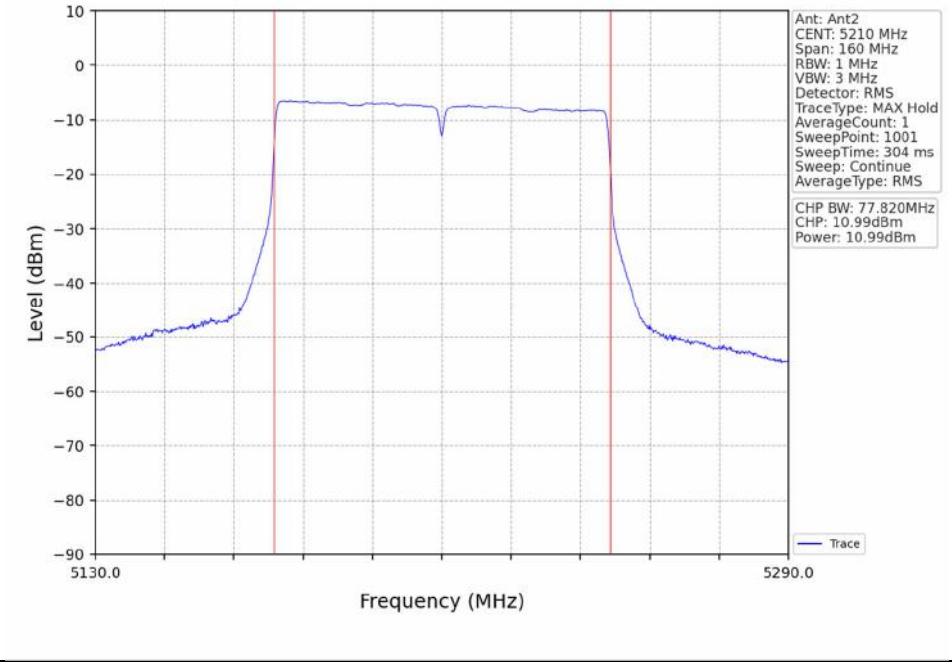
802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



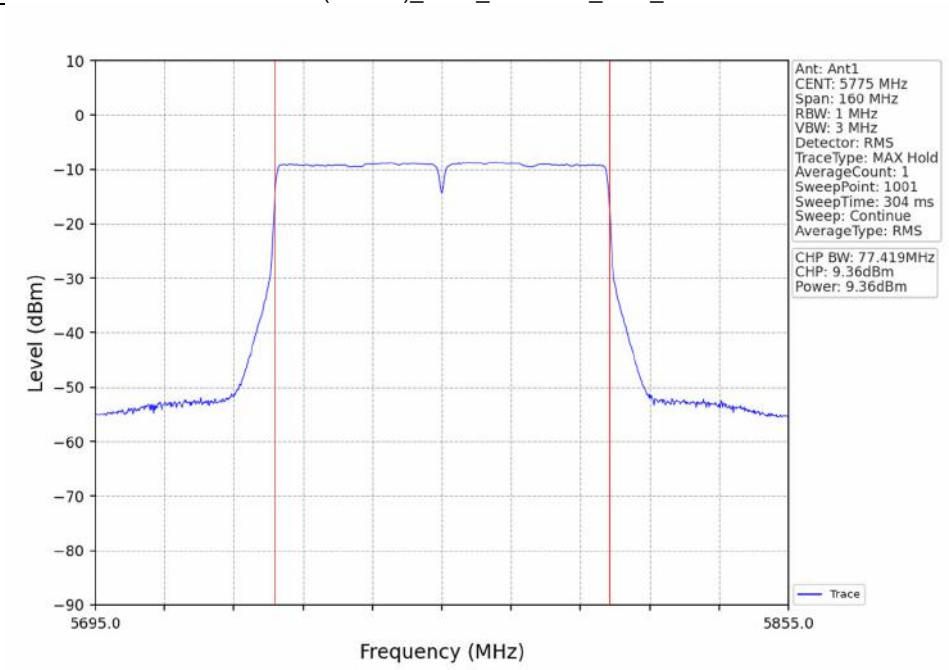
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



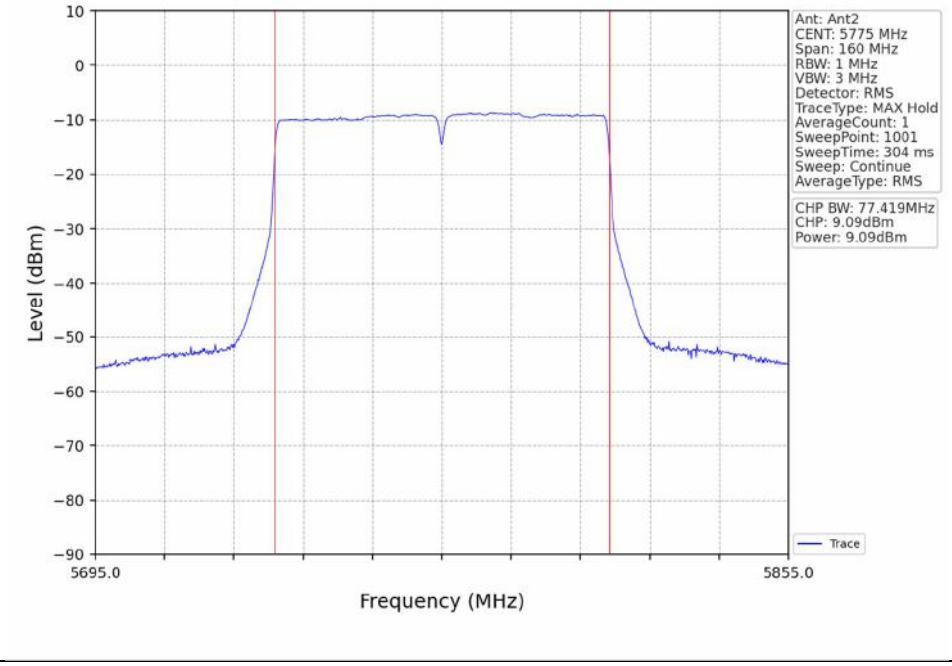
802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



3.2. Power (WiFi Module 2)

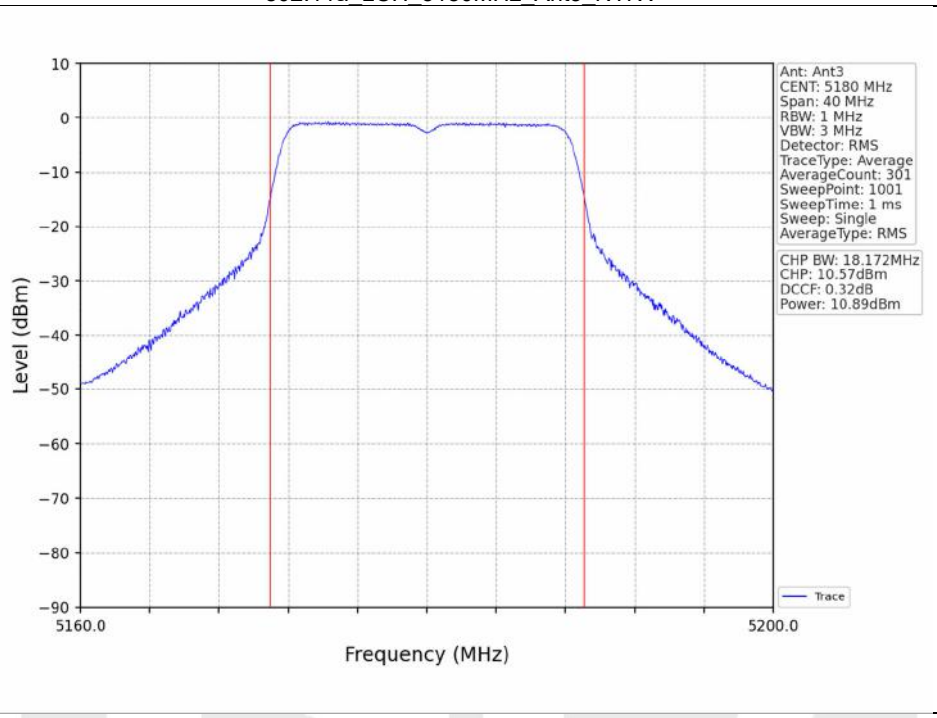
3.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)			Verdict
			ANT3	ANT4	Limit	
802.11a	SISO	5180	10.89	10.48	<=23.98	Pass
		5200	10.10	9.99	<=23.98	Pass
		5240	8.28	10.11	<=23.98	Pass
		5745	8.60	9.69	<=30	Pass
		5785	8.79	10.48	<=30	Pass
		5825	8.75	10.29	<=30	Pass
802.11n (HT20)	SISO	5180	10.27	10.70	<=23.98	Pass
		5200	7.71	10.05	<=23.98	Pass
		5240	8.38	10.21	<=23.98	Pass
		5745	10.60	9.71	<=30	Pass
		5785	10.72	10.37	<=30	Pass
		5825	10.68	10.26	<=30	Pass
802.11n (HT40)	SISO	5190	10.49	10.31	<=23.98	Pass
		5230	9.12	9.96	<=23.98	Pass
		5755	10.82	9.89	<=30	Pass
		5795	10.94	10.61	<=30	Pass
802.11ac (VHT20)	SISO	5180	9.09	10.39	<=23.98	Pass
		5200	8.07	9.80	<=23.98	Pass
		5240	6.46	10.01	<=23.98	Pass
		5745	10.68	9.51	<=30	Pass
		5785	10.88	10.34	<=30	Pass
		5825	10.71	10.17	<=30	Pass
802.11ac (VHT40)	SISO	5190	8.58	10.12	<=23.98	Pass
		5230	7.13	9.70	<=23.98	Pass
		5755	10.77	10.02	<=30	Pass
		5795	11.12	10.49	<=30	Pass
802.11ac (VHT80)	SISO	5210	8.18	8.30	<=23.98	Pass
		5775	11.17	9.08	<=30	Pass
Note1: Antenna Gain: Ant3: 2.00dBi; Ant4: 2.00dBi;						

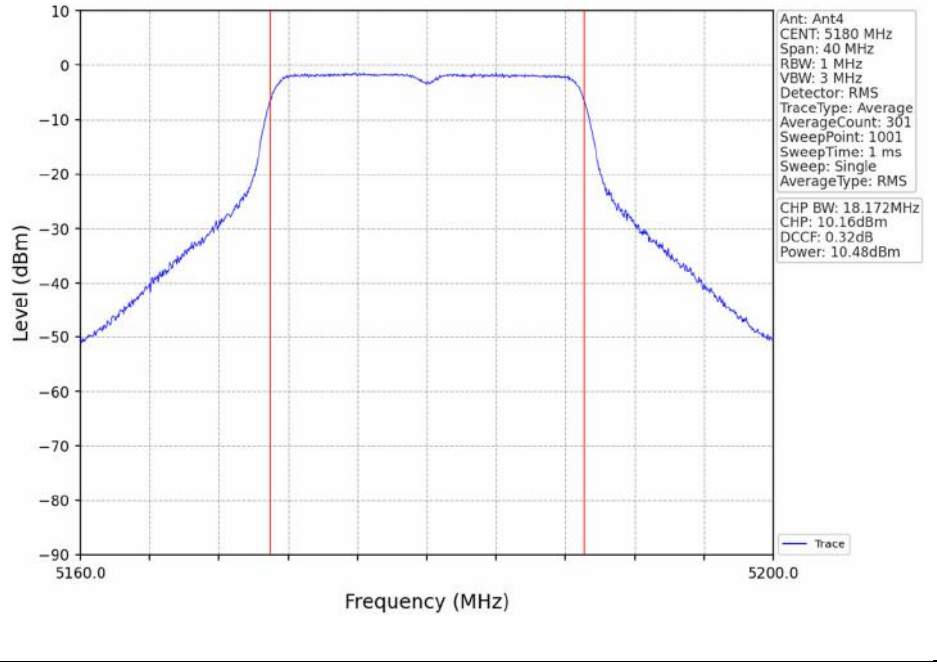
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT3	ANT4	MIMO	Limit	
802.11n (HT20)	MIMO	5180	10.27	10.70	13.50	<=23.98	Pass
		5200	7.71	10.05	12.05	<=23.98	Pass
		5240	8.38	10.21	12.40	<=23.98	Pass
		5745	10.60	9.71	13.19	<=30	Pass
		5785	10.72	10.37	13.56	<=30	Pass
		5825	10.68	10.26	13.49	<=30	Pass
802.11n (HT40)	MIMO	5190	10.49	10.31	13.41	<=23.98	Pass
		5230	9.12	9.96	12.57	<=23.98	Pass
		5755	10.82	9.89	13.39	<=30	Pass
		5795	10.94	10.61	13.79	<=30	Pass
802.11ac (VHT20)	MIMO	5180	9.09	10.39	12.80	<=23.98	Pass
		5200	8.07	9.80	12.03	<=23.98	Pass
		5240	6.46	10.01	11.60	<=23.98	Pass
		5745	10.68	9.51	13.14	<=30	Pass
		5785	10.88	10.34	13.63	<=30	Pass
		5825	10.71	10.17	13.46	<=30	Pass
802.11ac (VHT40)	MIMO	5190	8.58	10.12	12.43	<=23.98	Pass
		5230	7.13	9.70	11.61	<=23.98	Pass
		5755	10.77	10.02	13.42	<=30	Pass
		5795	11.12	10.49	13.83	<=30	Pass
802.11ac (VHT80)	MIMO	5210	8.18	8.30	11.25	<=23.98	Pass
		5775	11.17	9.08	13.26	<=30	Pass
Note1: Antenna Gain: Ant3: 2.00dBi; Ant4: 2.00dBi; Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain=2.00dBi)							

3.2.2 Test Graph

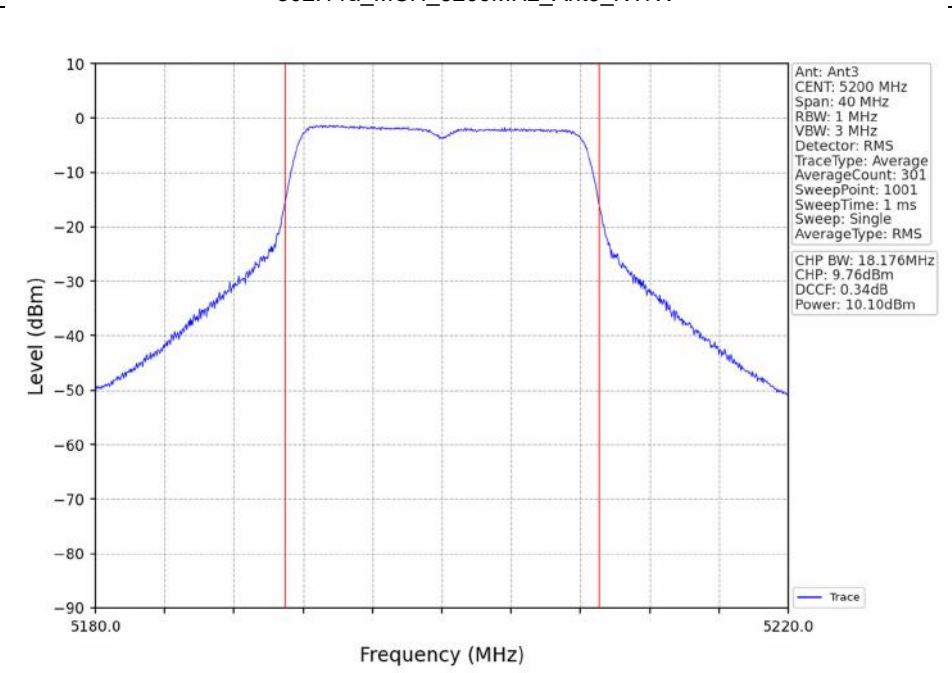
802.11a_LCH_5180MHz_Ant3_NTNV



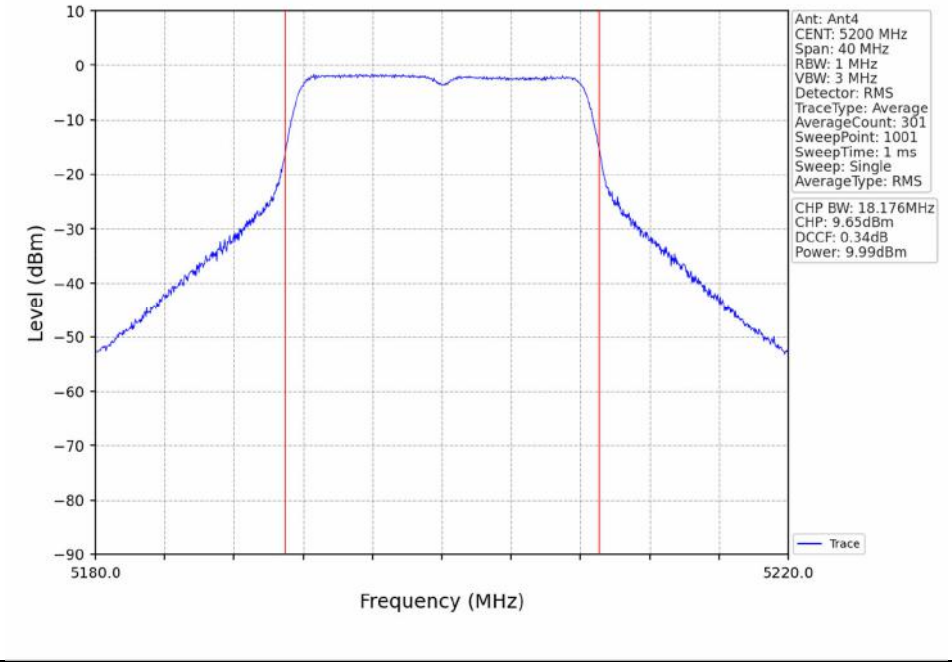
802.11a_LCH_5180MHz_Ant4_NTNV



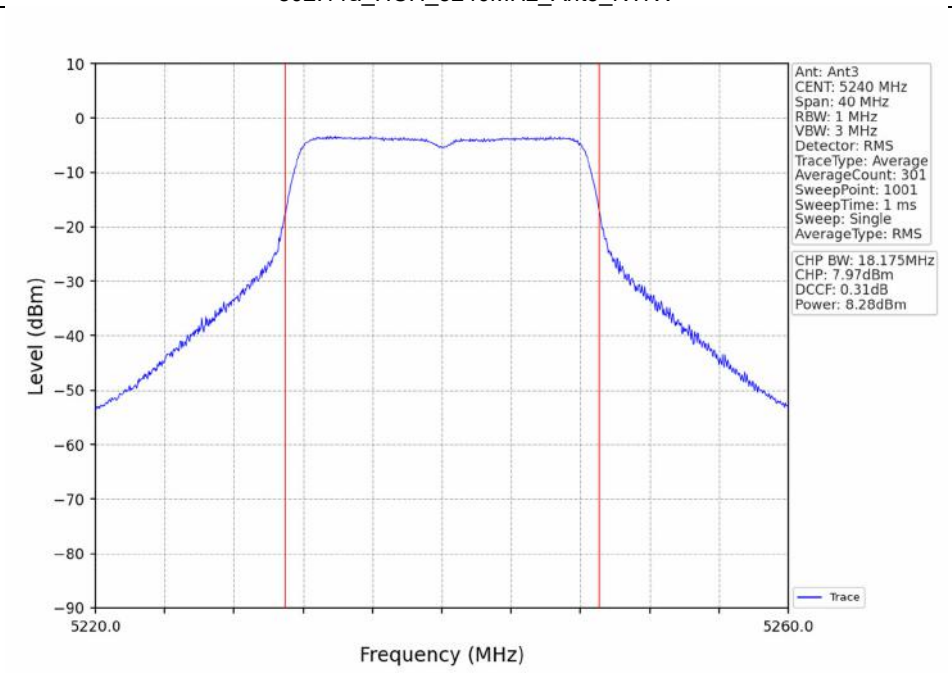
802.11a_MCH_5200MHz_Ant3_NTNV



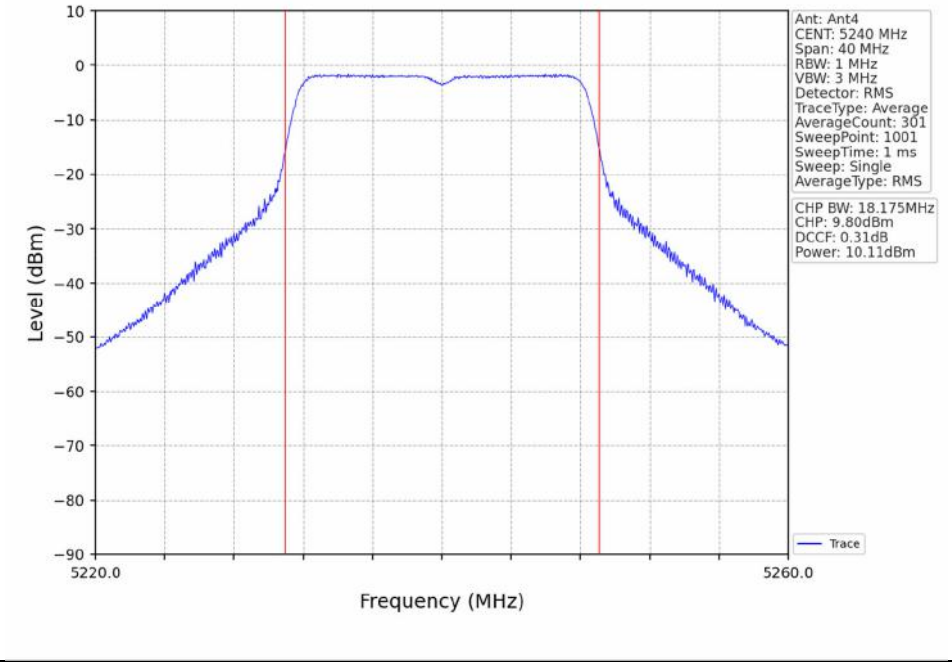
802.11a_MCH_5200MHz_Ant4_NTNV



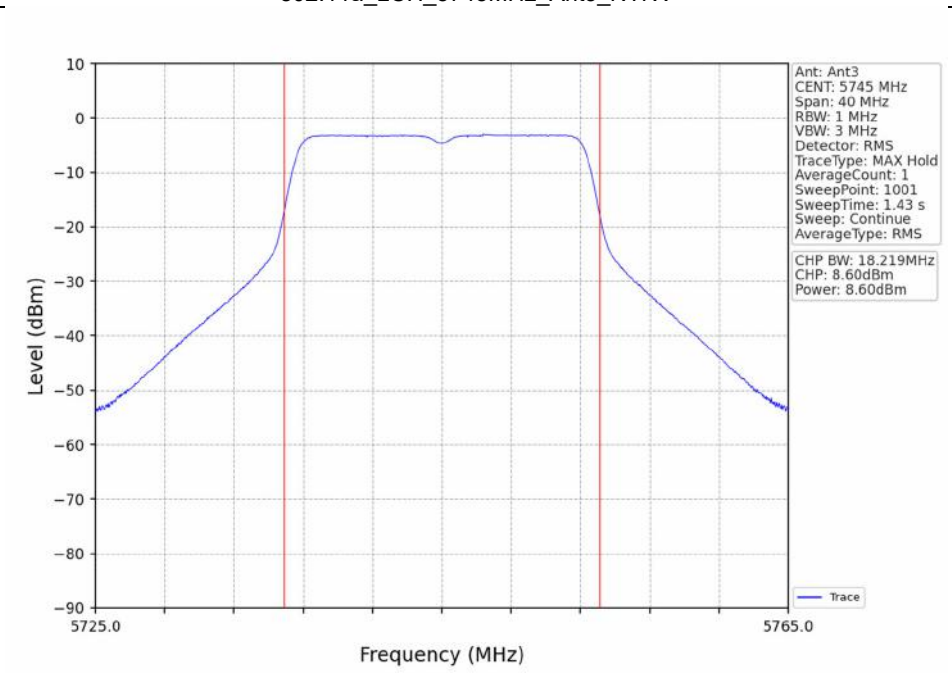
802.11a_HCH_5240MHz_Ant3_NTNV



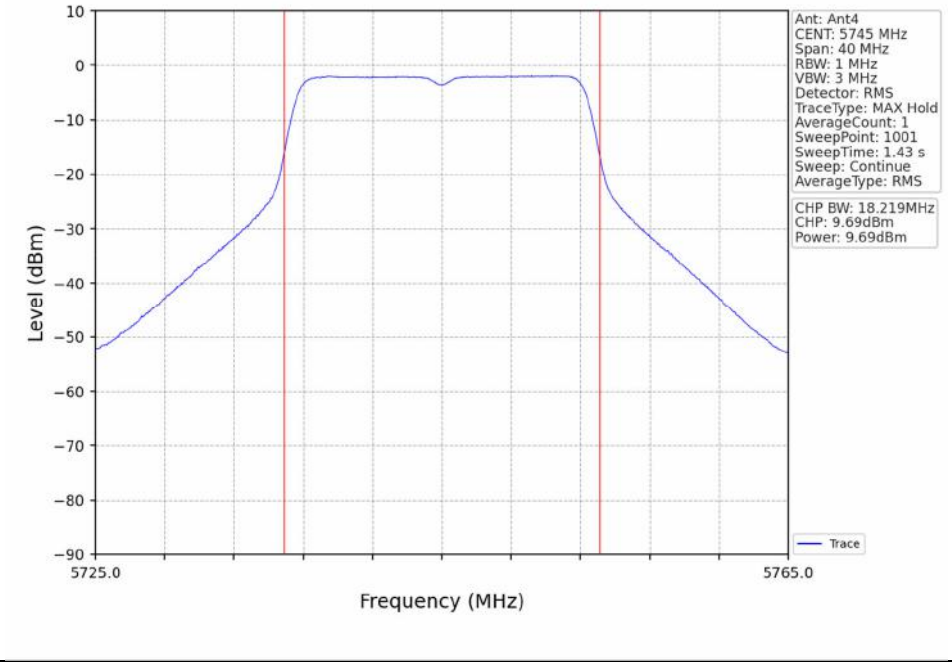
802.11a_HCH_5240MHz_Ant4_NTNV



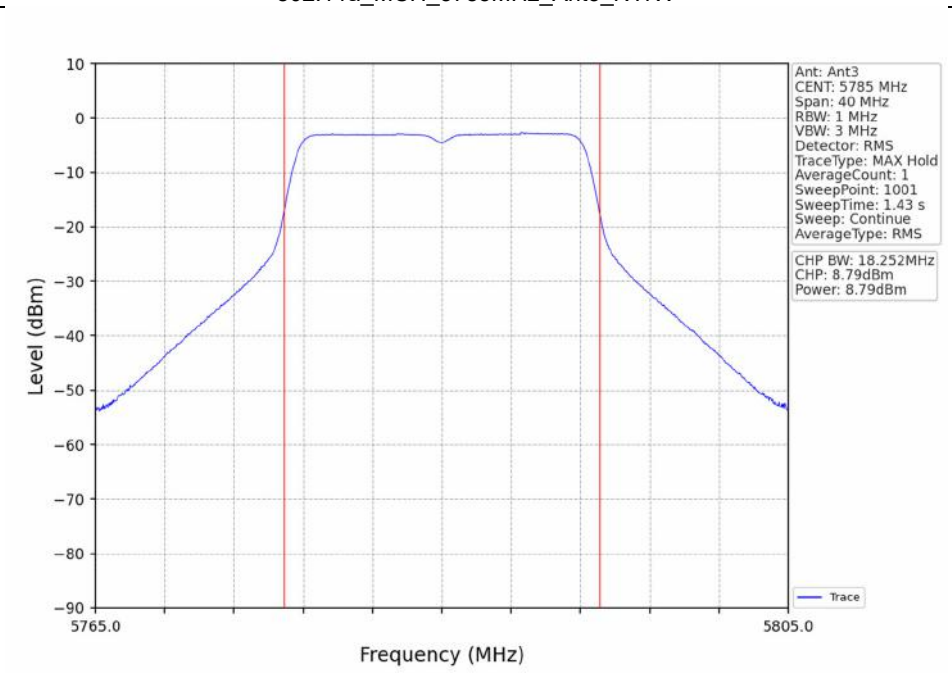
802.11a_LCH_5745MHz_Ant3_NTNV



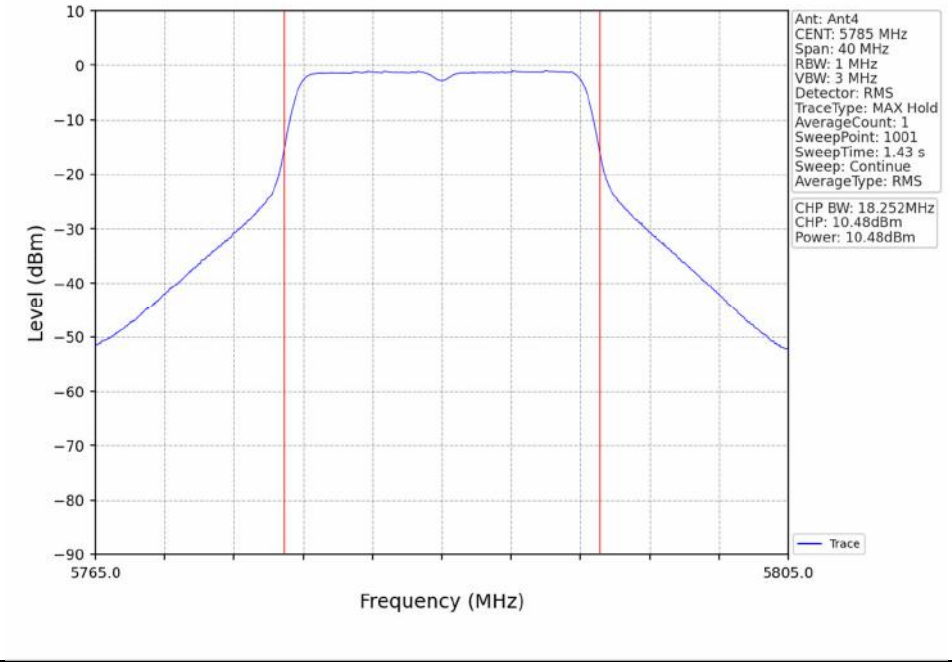
802.11a_LCH_5745MHz_Ant4_NTNV



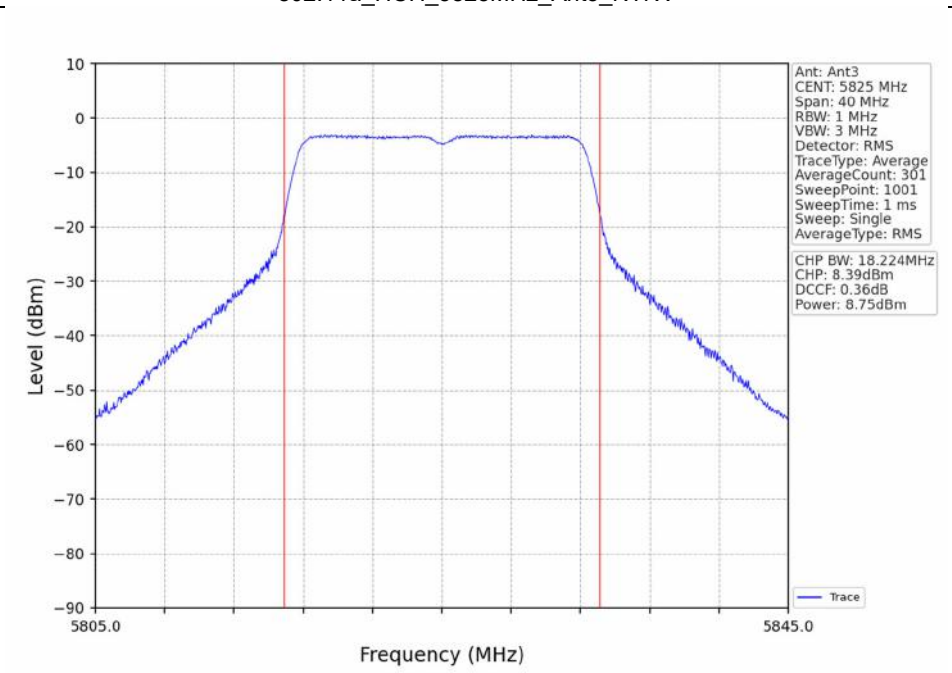
802.11a_MCH_5785MHz_Ant3_NTNV



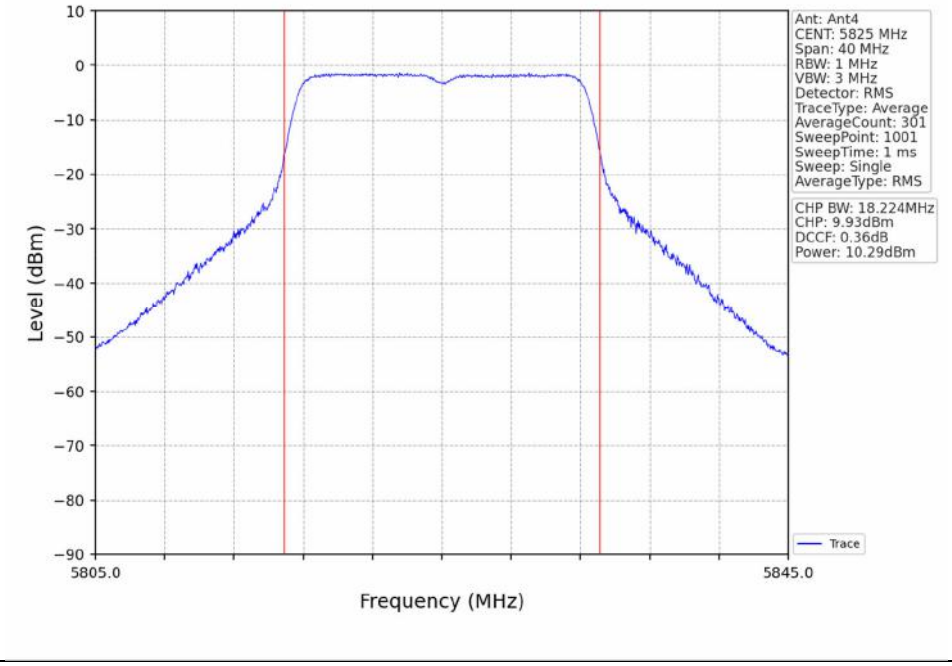
802.11a_MCH_5785MHz_Ant4_NTNV



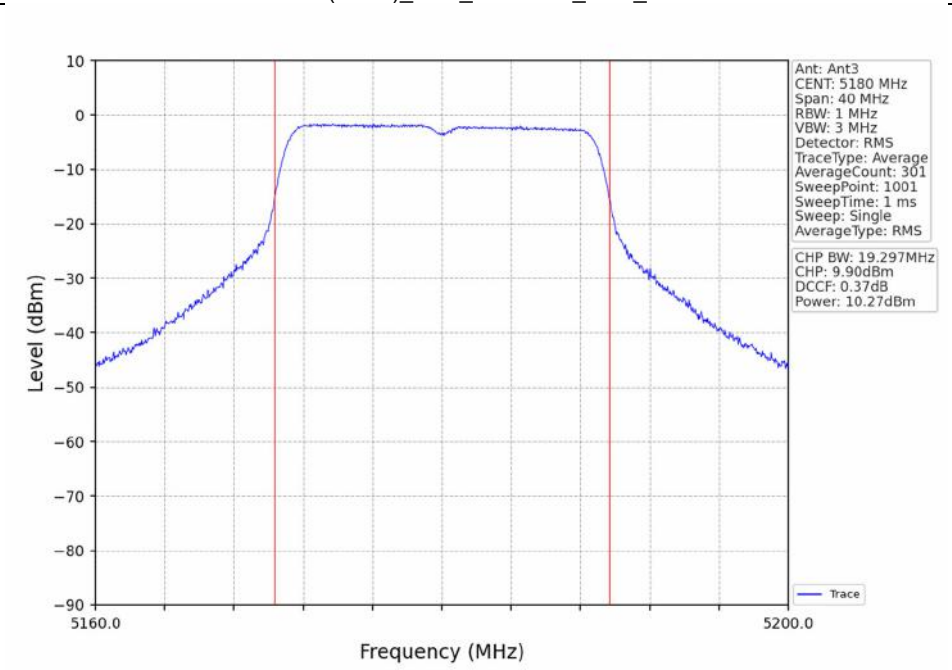
802.11a_HCH_5825MHz_Ant3_NTNV



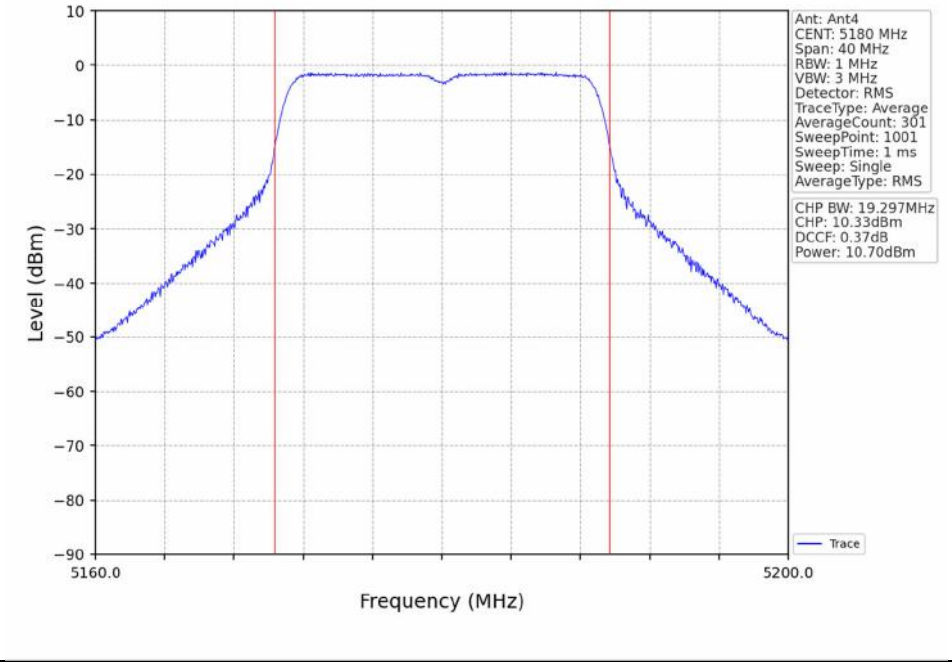
802.11a_HCH_5825MHz_Ant4_NTNV



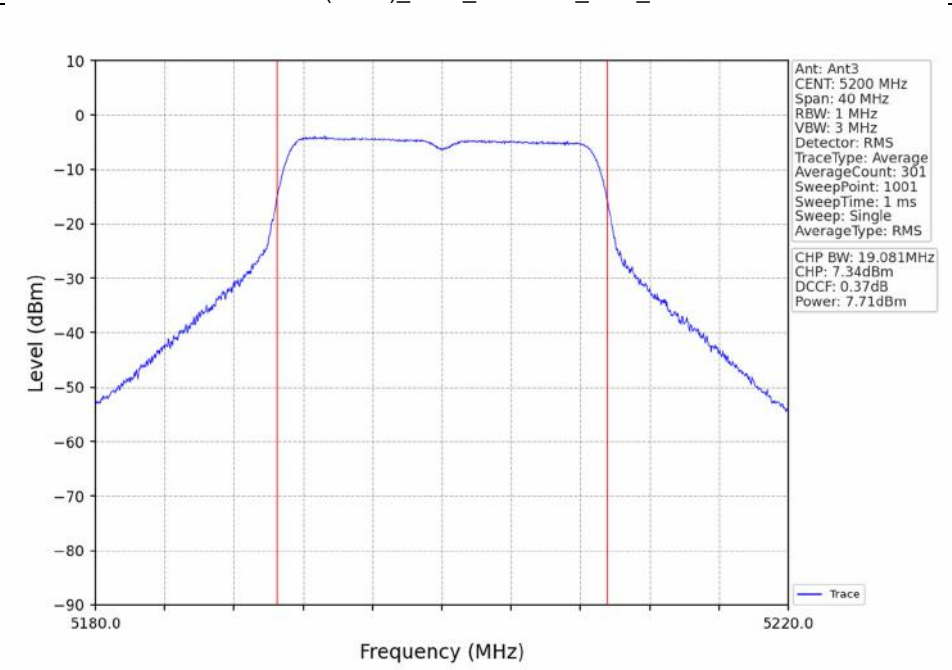
802.11n(HT20)_LCH_5180MHz_Ant3_NTNV



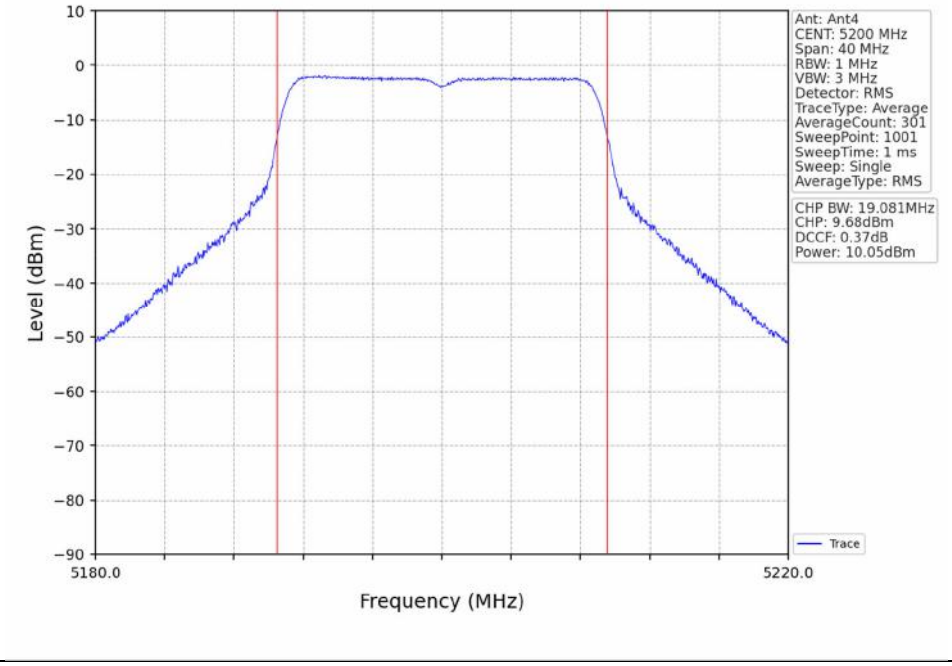
802.11n(HT20)_LCH_5180MHz_Ant4_NTNV



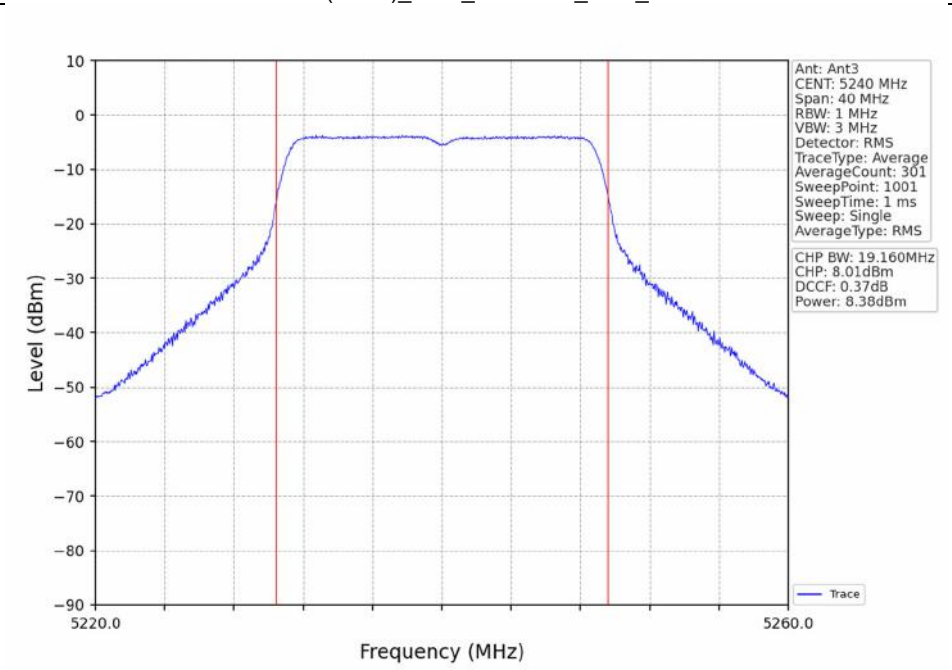
802.11n(HT20)_MCH_5200MHz_Ant3_NTNV



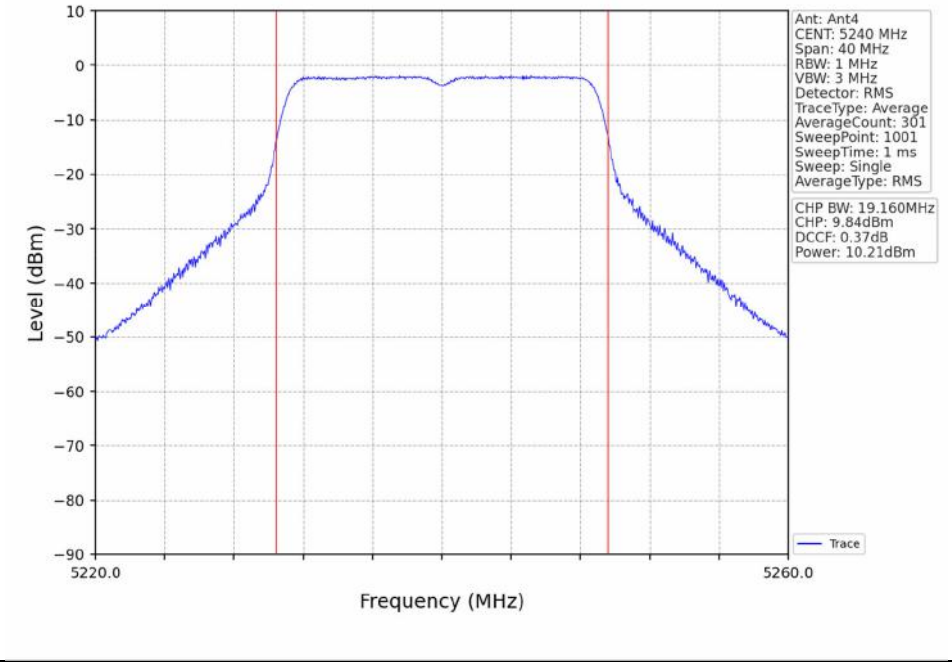
802.11n(HT20)_MCH_5200MHz_Ant4_NTNV



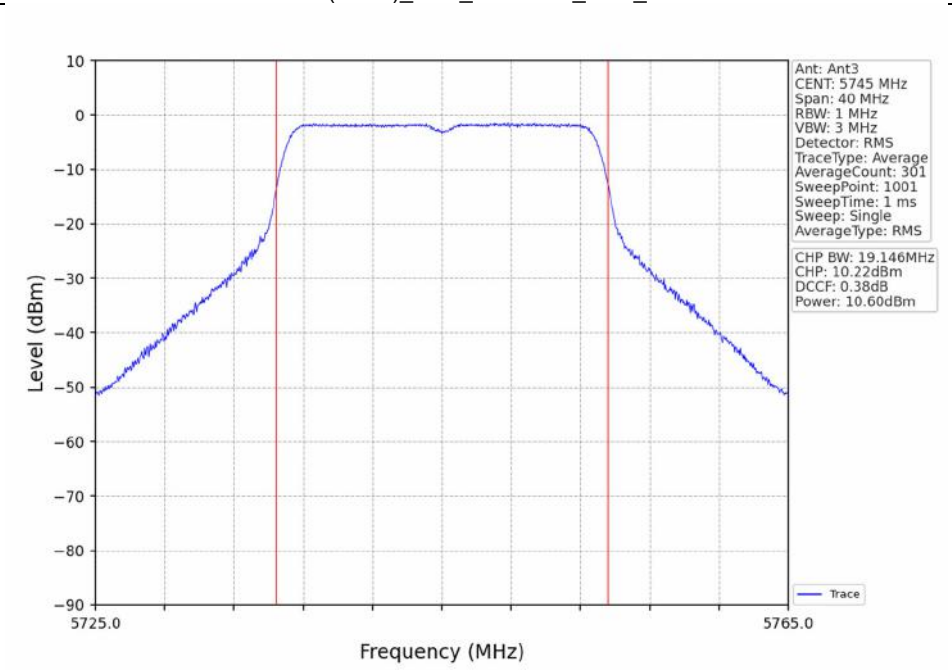
802.11n(HT20)_HCH_5240MHz_Ant3_NTNV



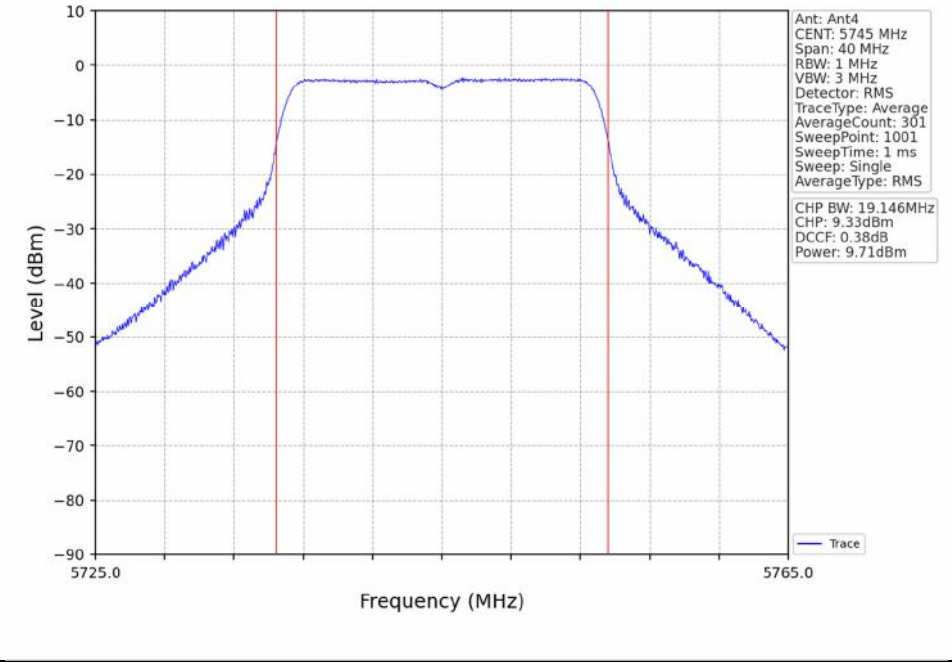
802.11n(HT20)_HCH_5240MHz_Ant4_NTNV



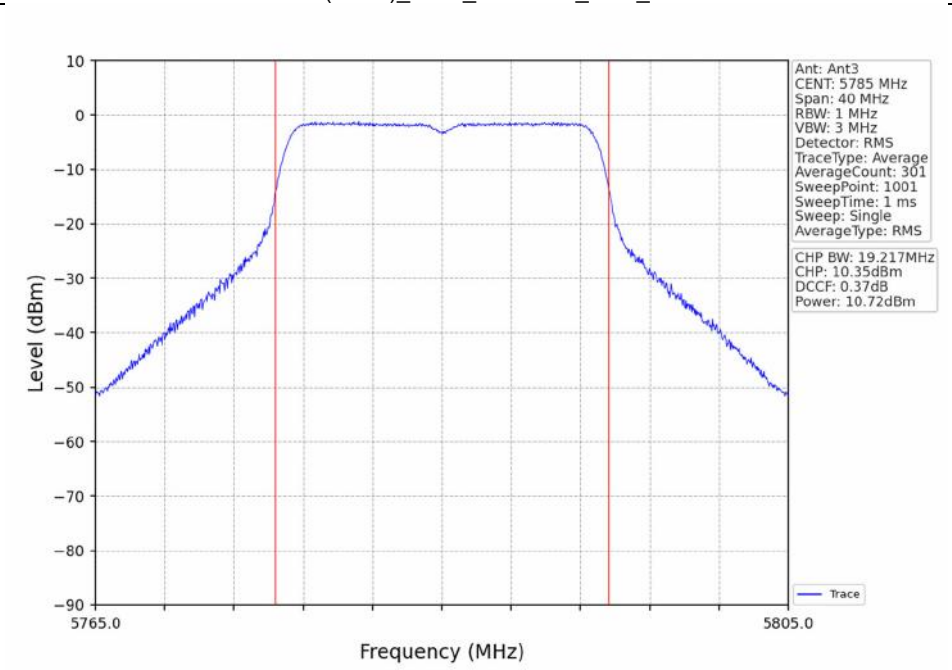
802.11n(HT20)_LCH_5745MHz_Ant3_NTNV



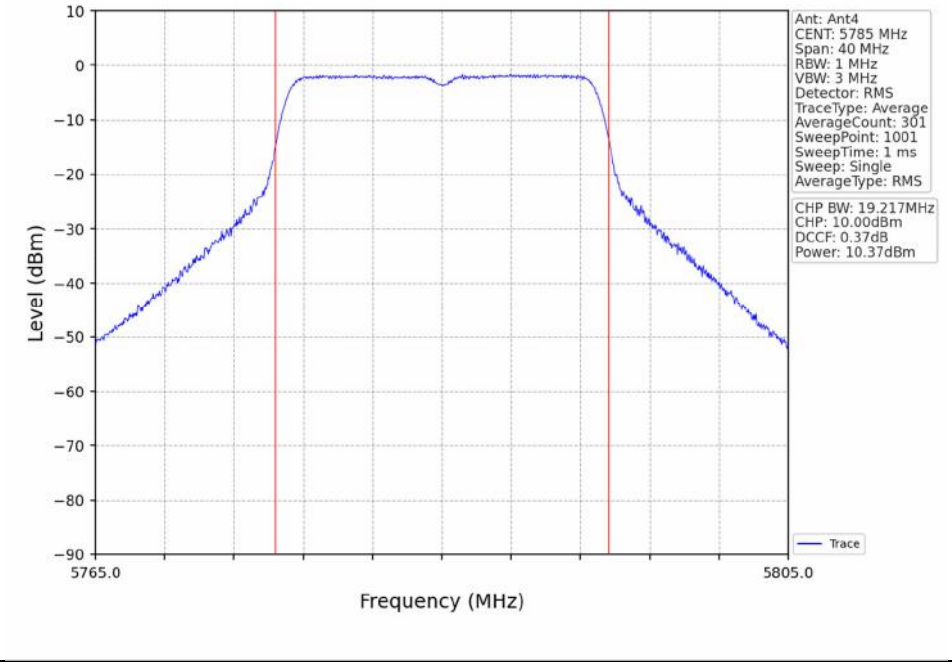
802.11n(HT20)_LCH_5745MHz_Ant4_NTNV



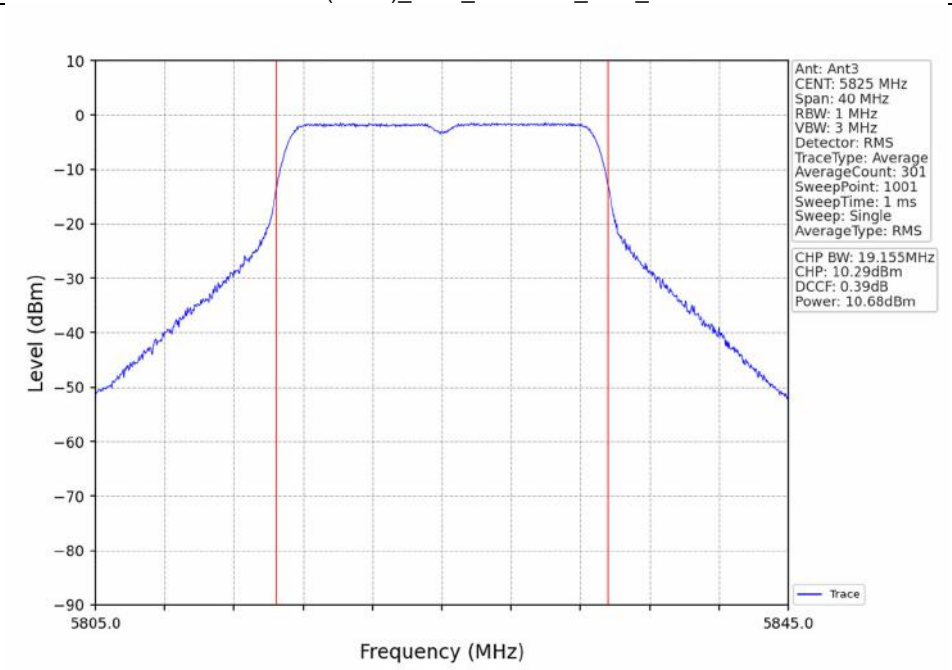
802.11n(HT20)_MCH_5785MHz_Ant3_NTNV



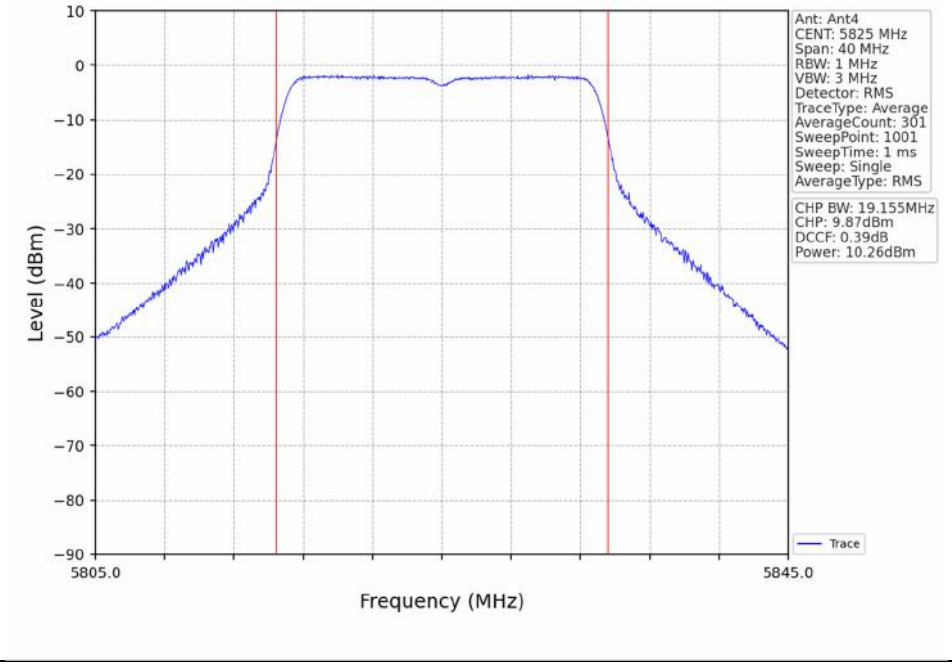
802.11n(HT20)_MCH_5785MHz_Ant4_NTNV



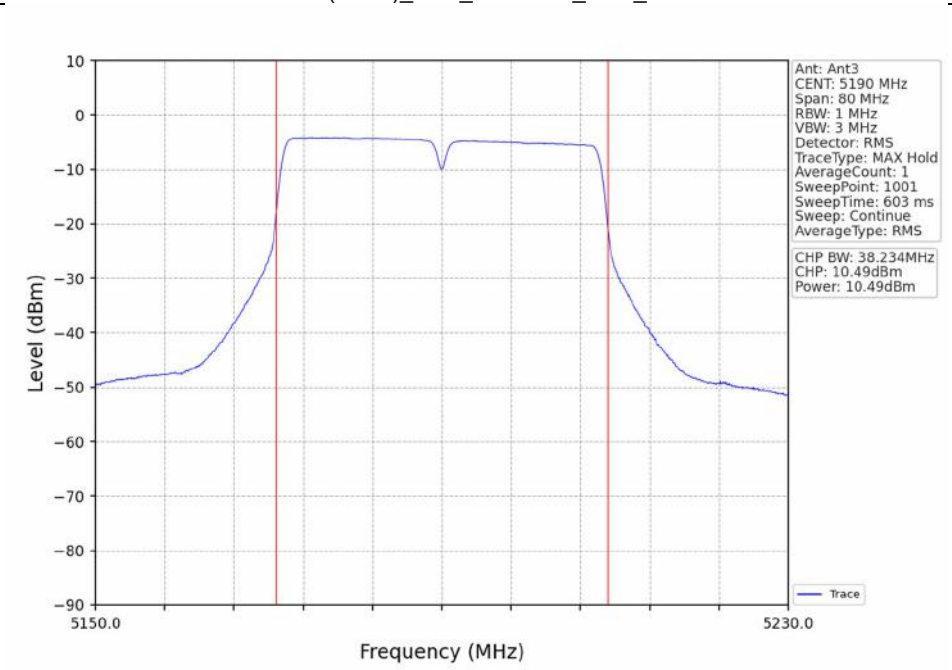
802.11n(HT20)_HCH_5825MHz_Ant3_NTNV



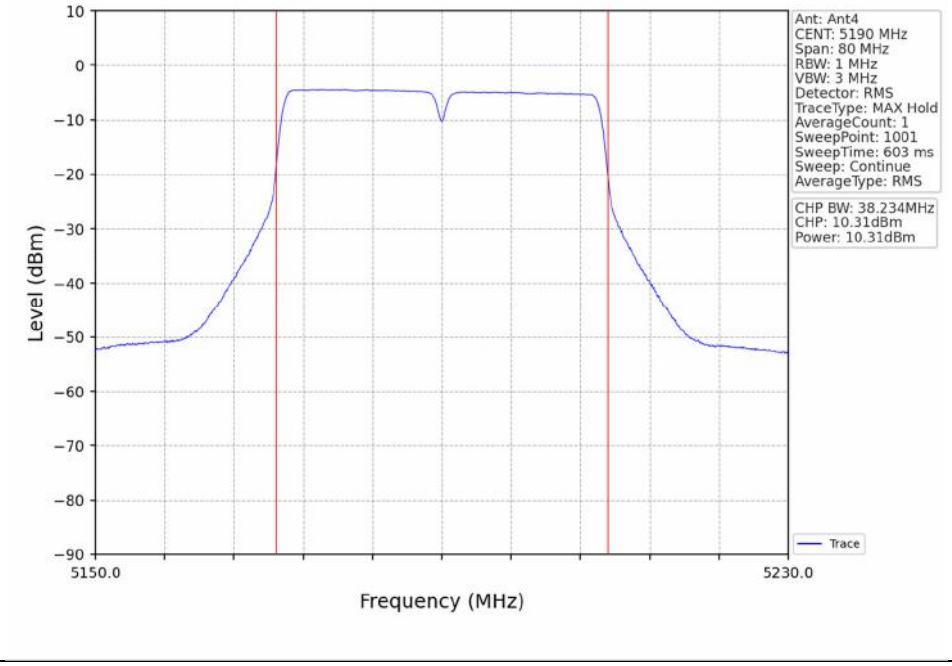
802.11n(HT20)_HCH_5825MHz_Ant4_NTNV



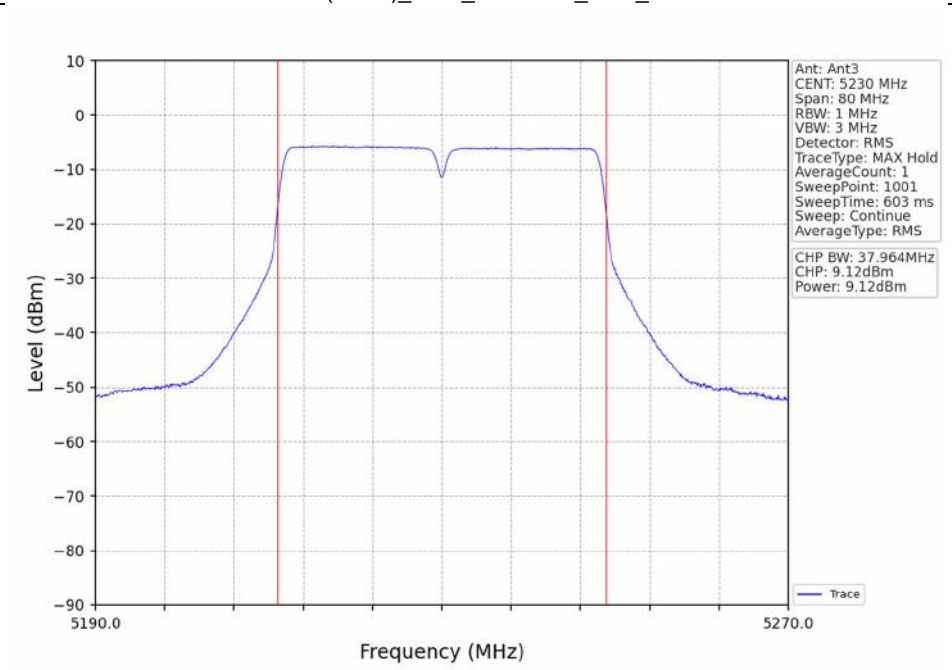
802.11n(HT40)_LCH_5190MHz_Ant3_NTNV



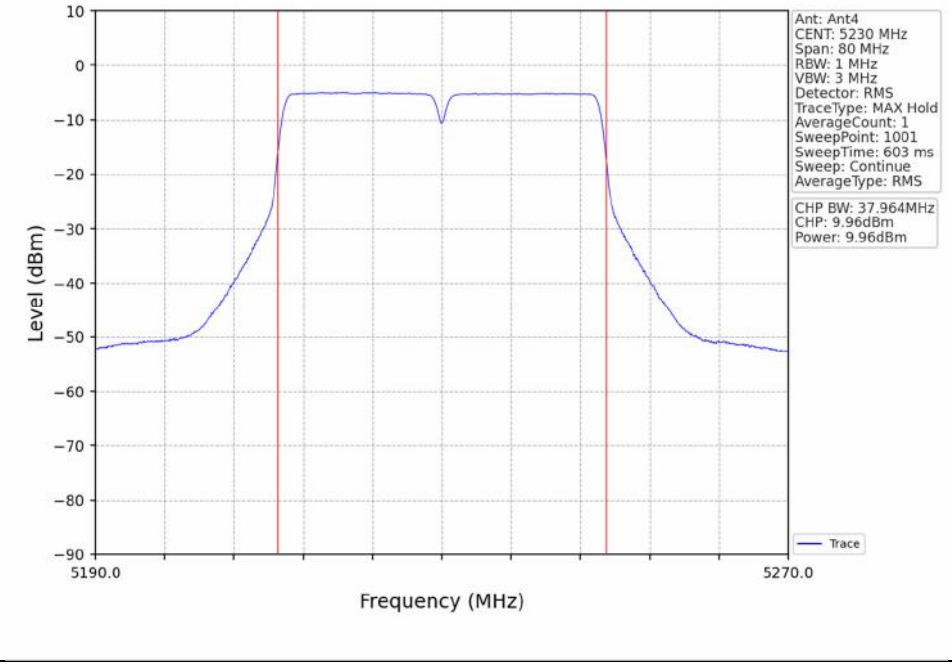
802.11n(HT40)_LCH_5190MHz_Ant4_NTNV



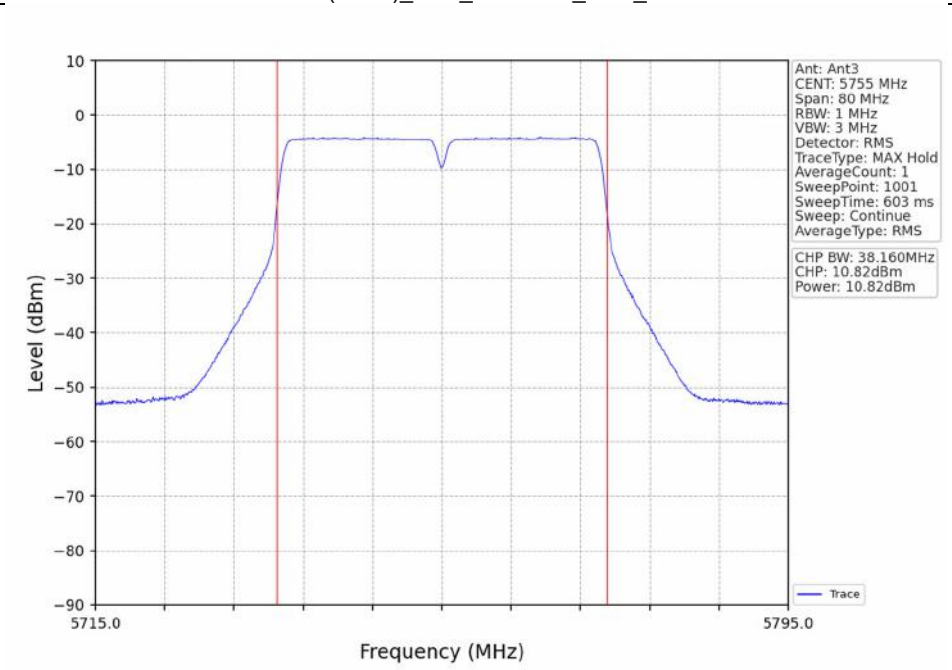
802.11n(HT40)_HCH_5230MHz_Ant3_NTNV



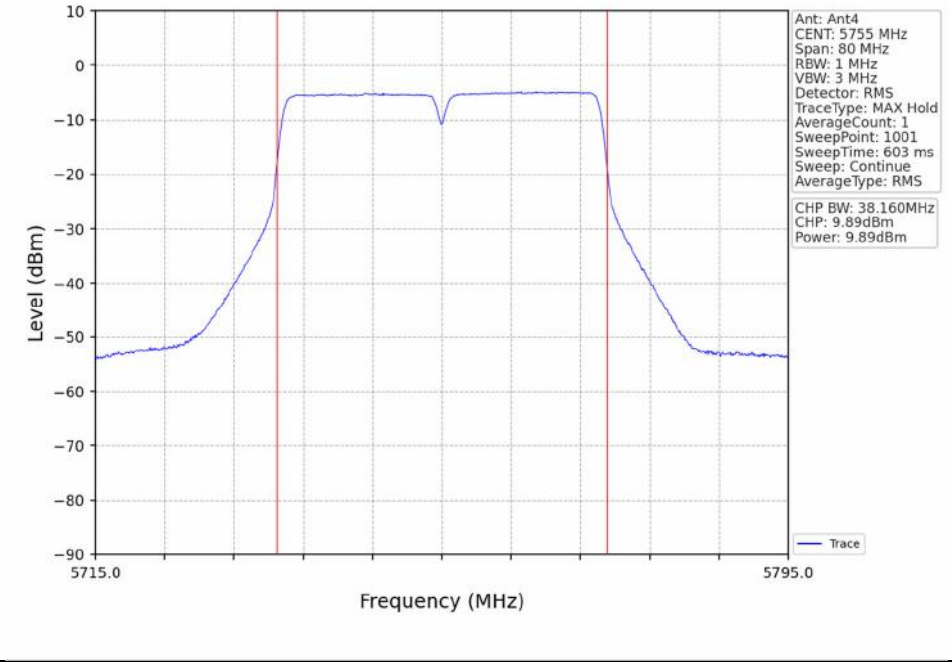
802.11n(HT40)_HCH_5230MHz_Ant4_NTNV



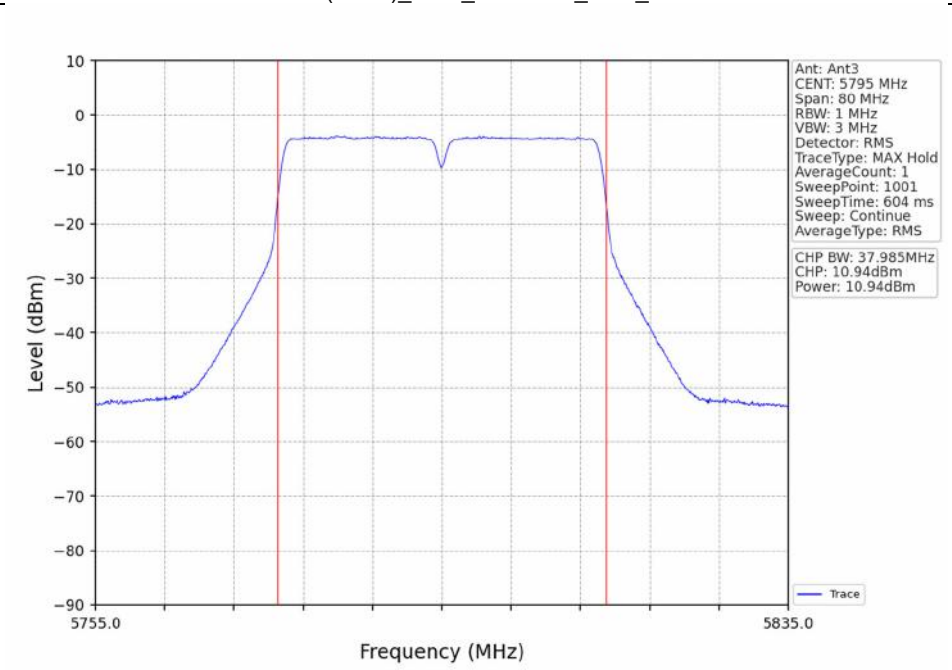
802.11n(HT40)_LCH_5755MHz_Ant3_NTNV



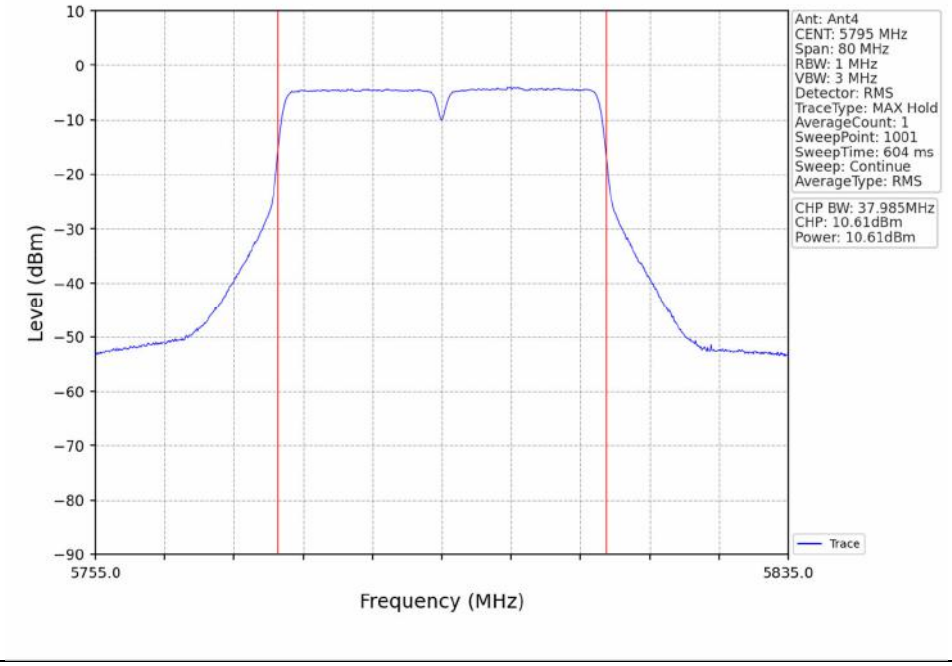
802.11n(HT40)_LCH_5755MHz_Ant4_NTNV



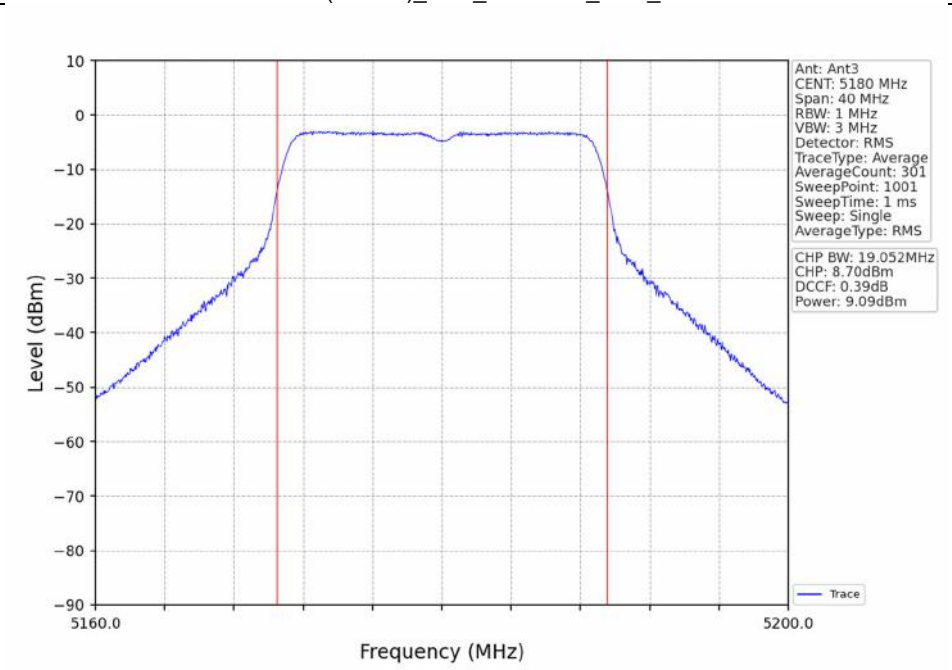
802.11n(HT40)_HCH_5795MHz_Ant3_NTNV



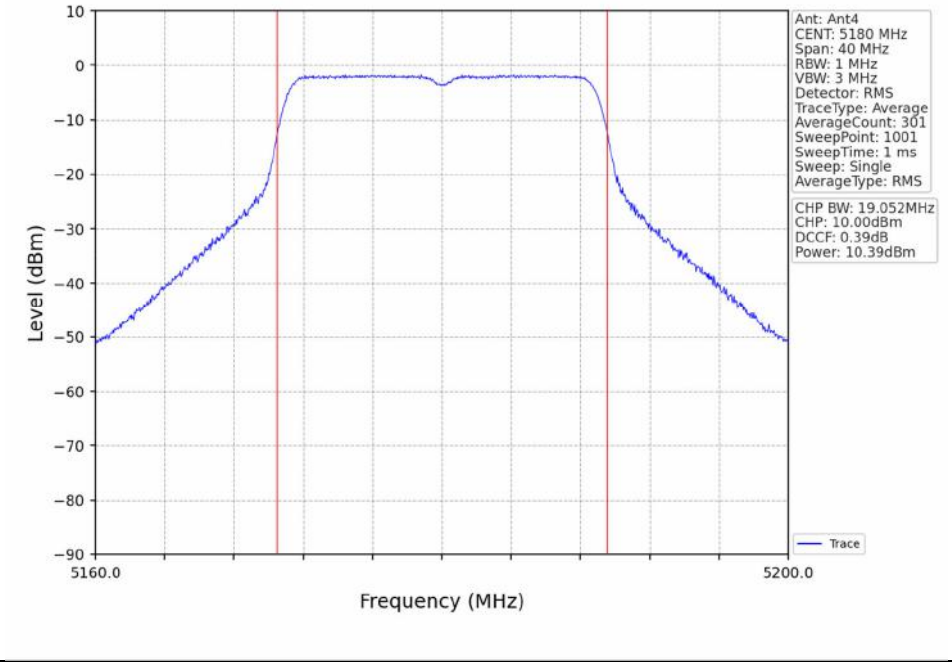
802.11n(HT40)_HCH_5795MHz_Ant4_NTNV



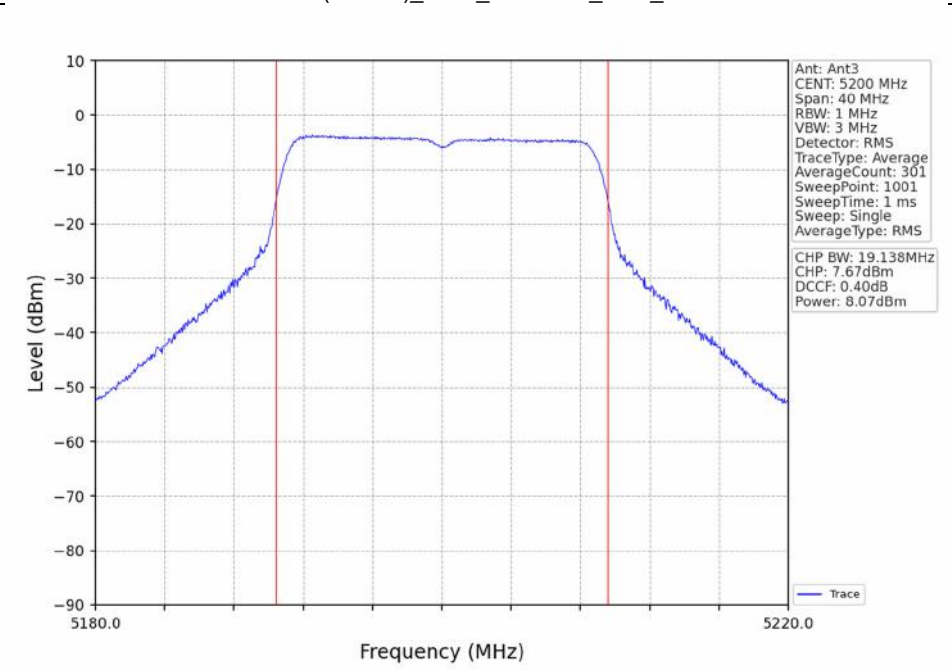
802.11ac(VHT20)_LCH_5180MHz_Ant3_NTNV



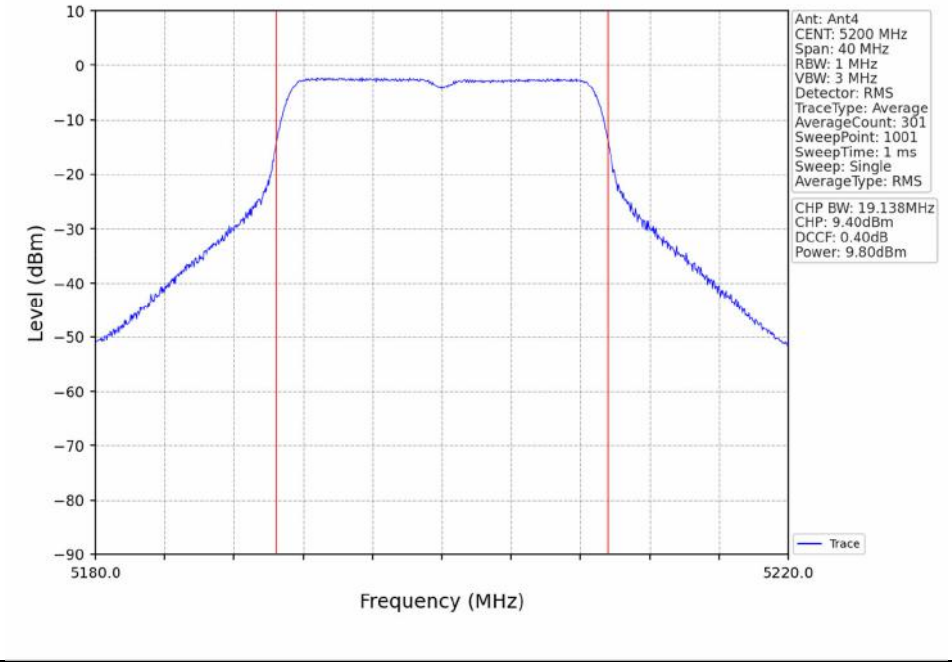
802.11ac(VHT20)_LCH_5180MHz_Ant4_NTNV



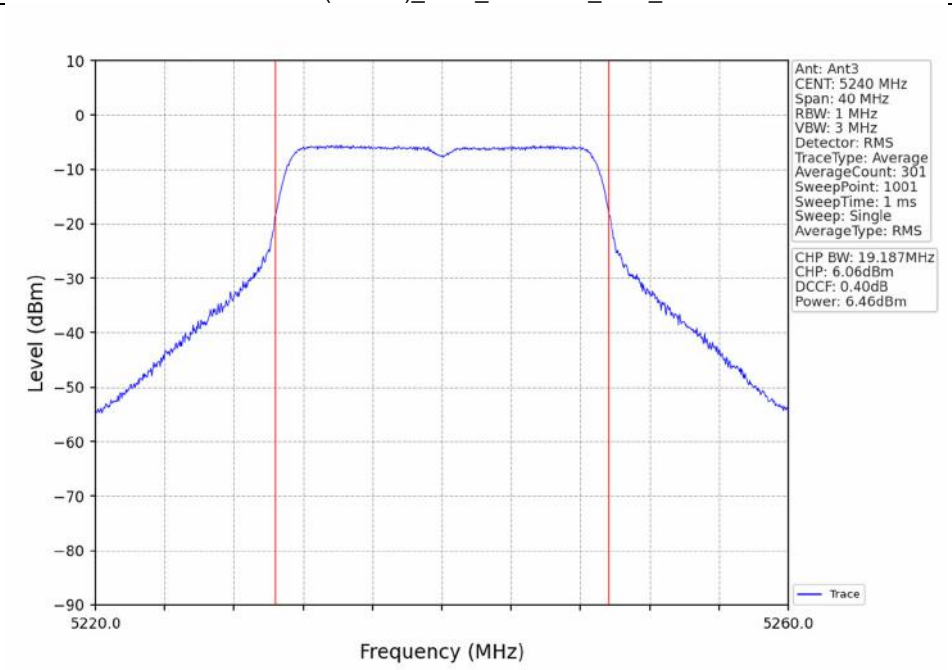
802.11ac(VHT20)_MCH_5200MHz_Ant3_NTNV



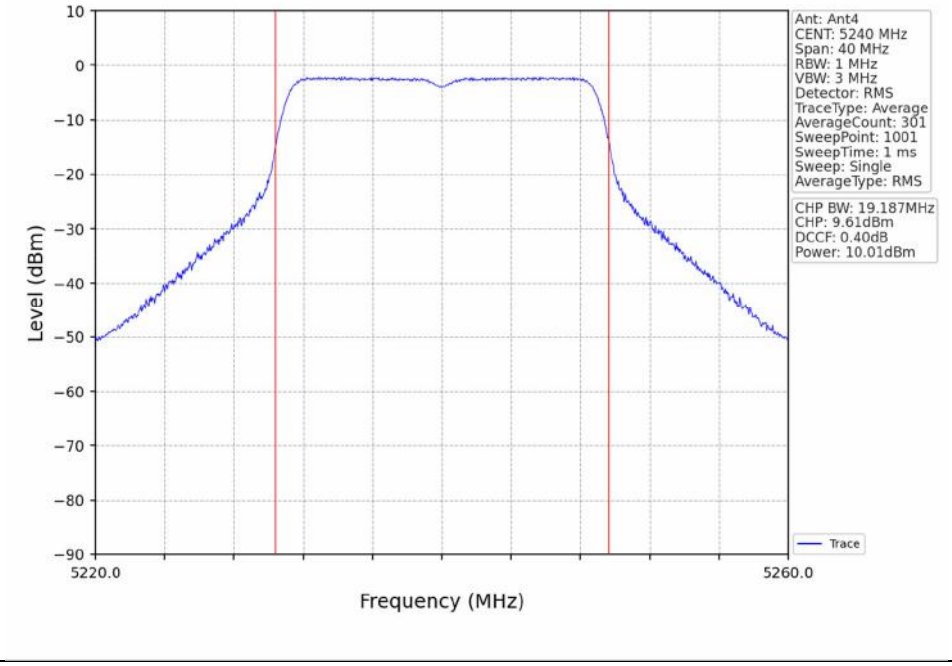
802.11ac(VHT20)_MCH_5200MHz_Ant4_NTNV



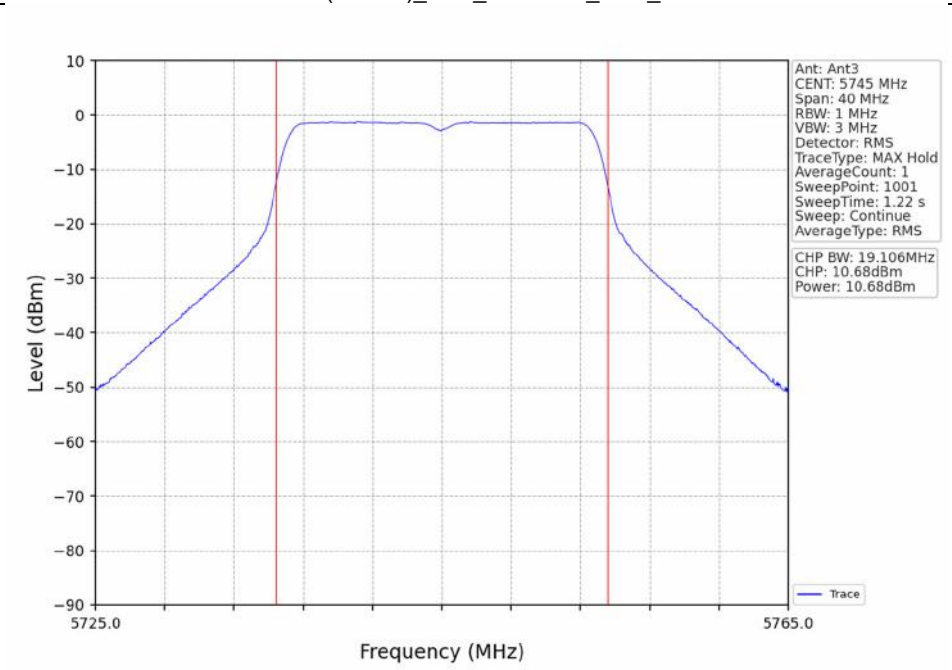
802.11ac(VHT20)_HCH_5240MHz_Ant3_NTNV



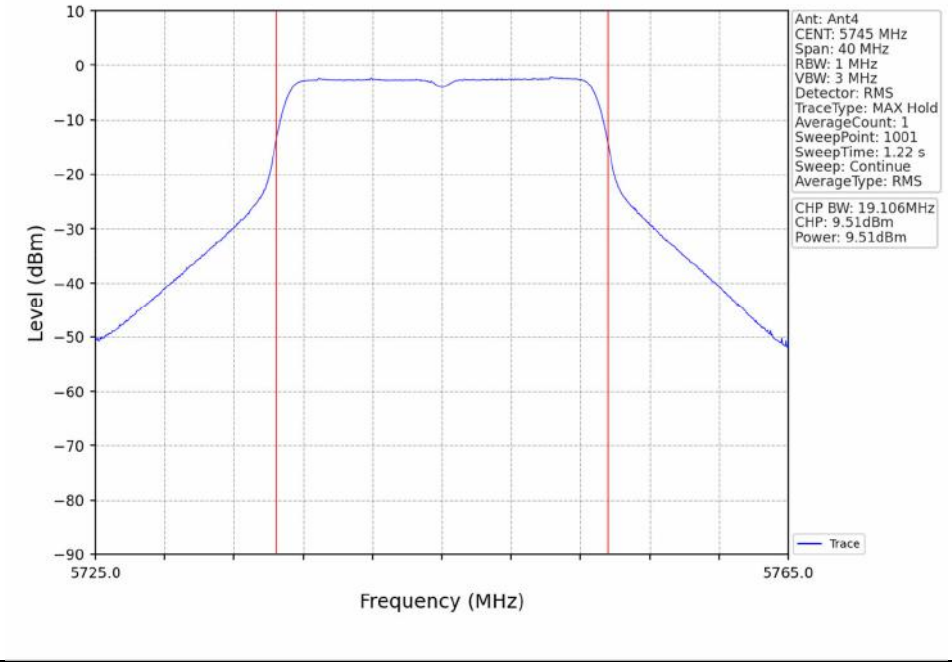
802.11ac(VHT20)_HCH_5240MHz_Ant4_NTNV



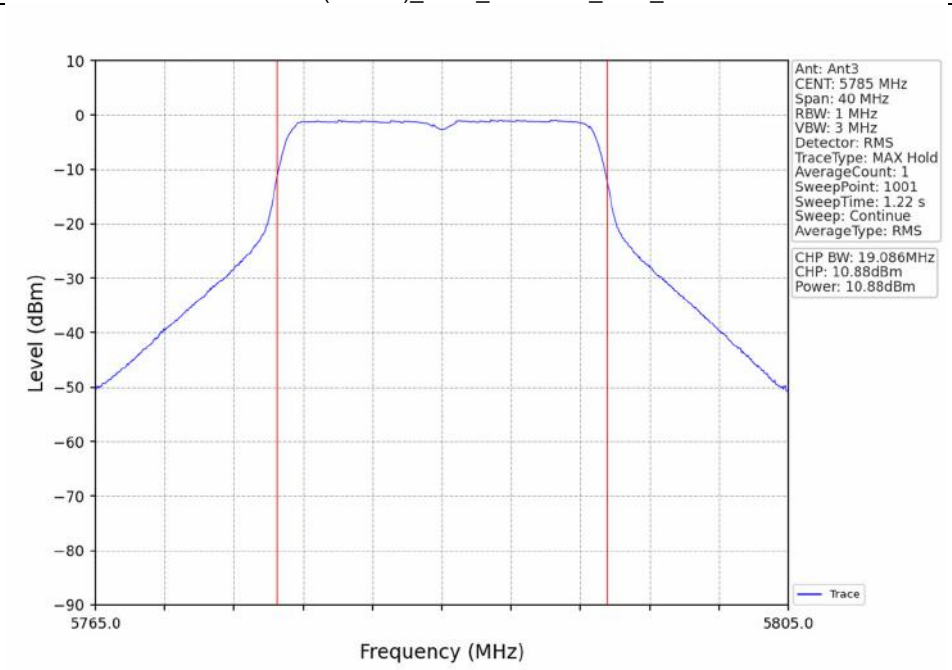
802.11ac(VHT20)_LCH_5745MHz_Ant3_NTNV



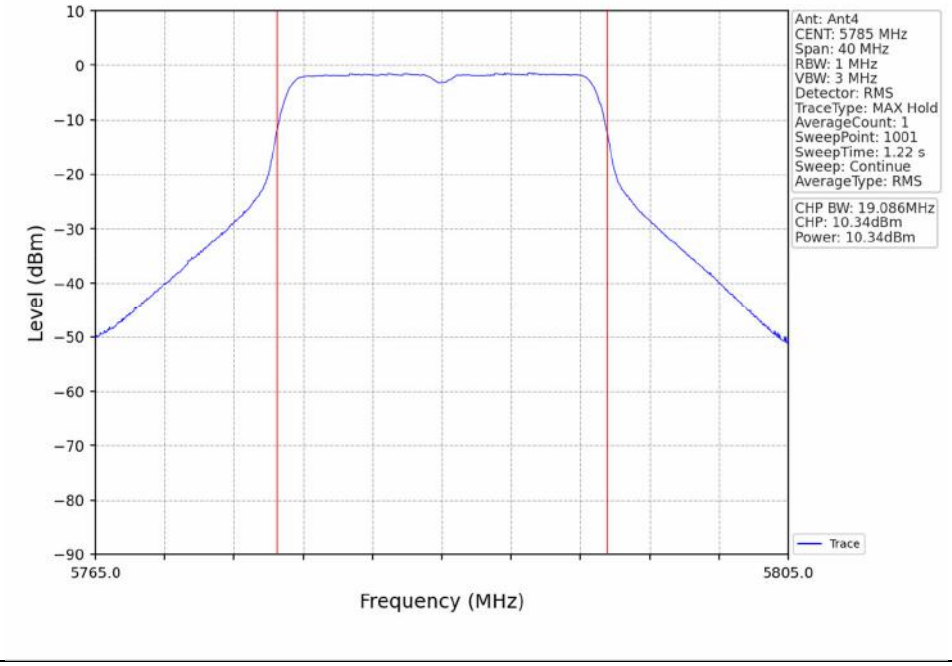
802.11ac(VHT20)_LCH_5745MHz_Ant4_NTNV



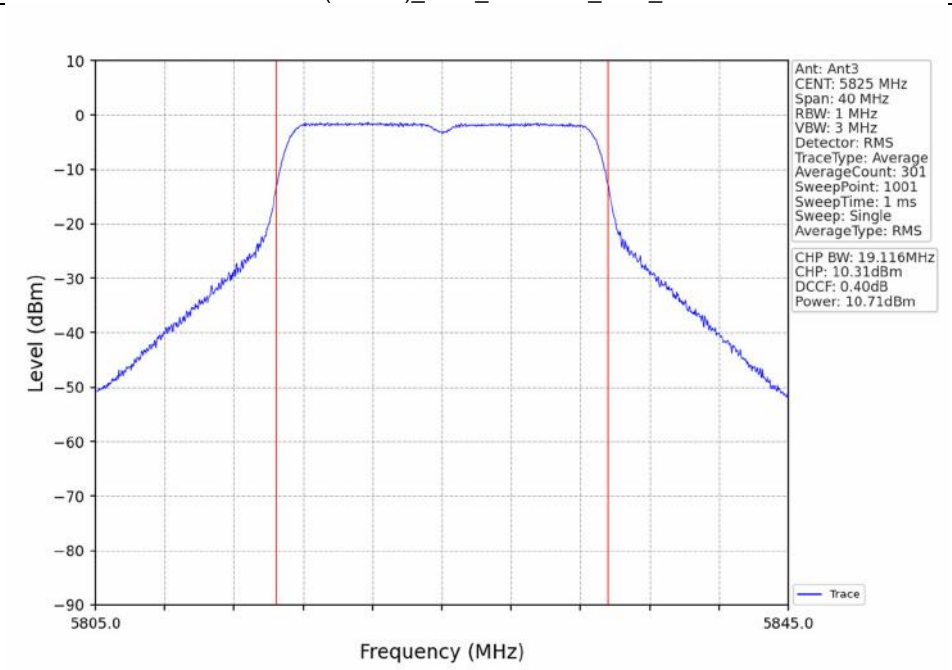
802.11ac(VHT20)_MCH_5785MHz_Ant3_NTNV



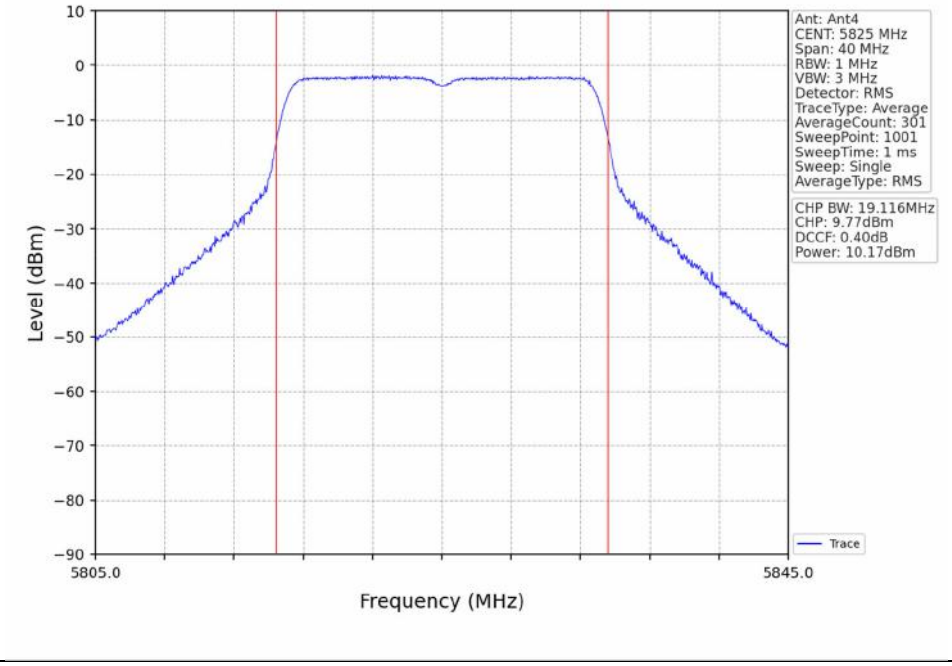
802.11ac(VHT20)_MCH_5785MHz_Ant4_NTNV



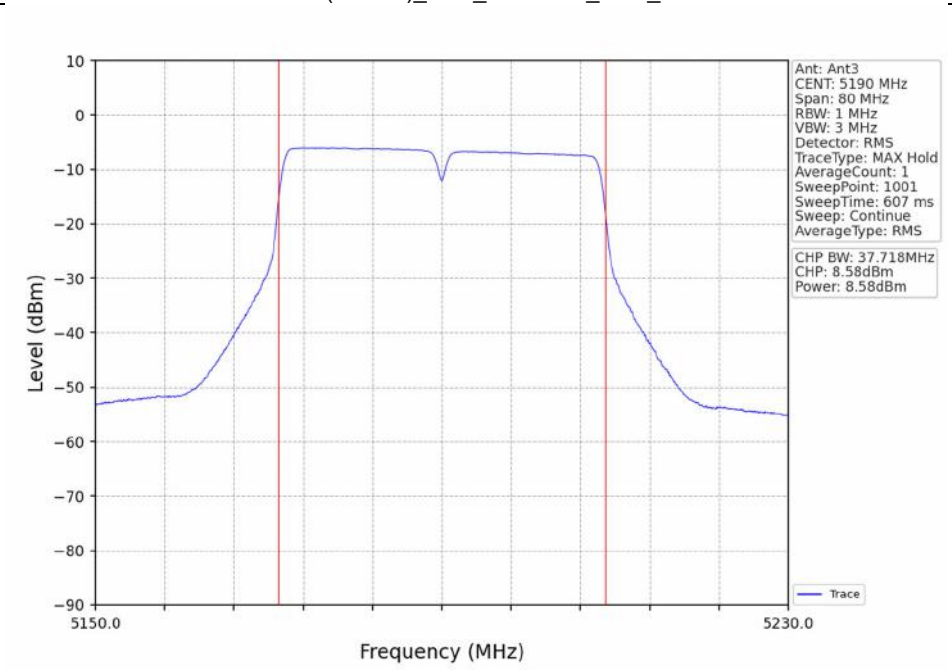
802.11ac(VHT20)_HCH_5825MHz_Ant3_NTNV



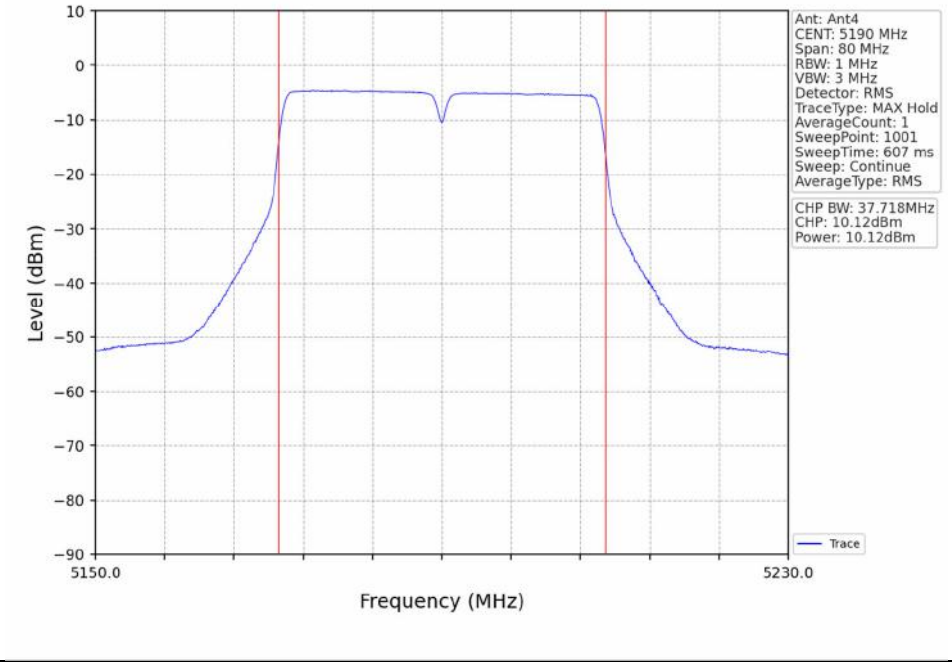
802.11ac(VHT20)_HCH_5825MHz_Ant4_NTNV



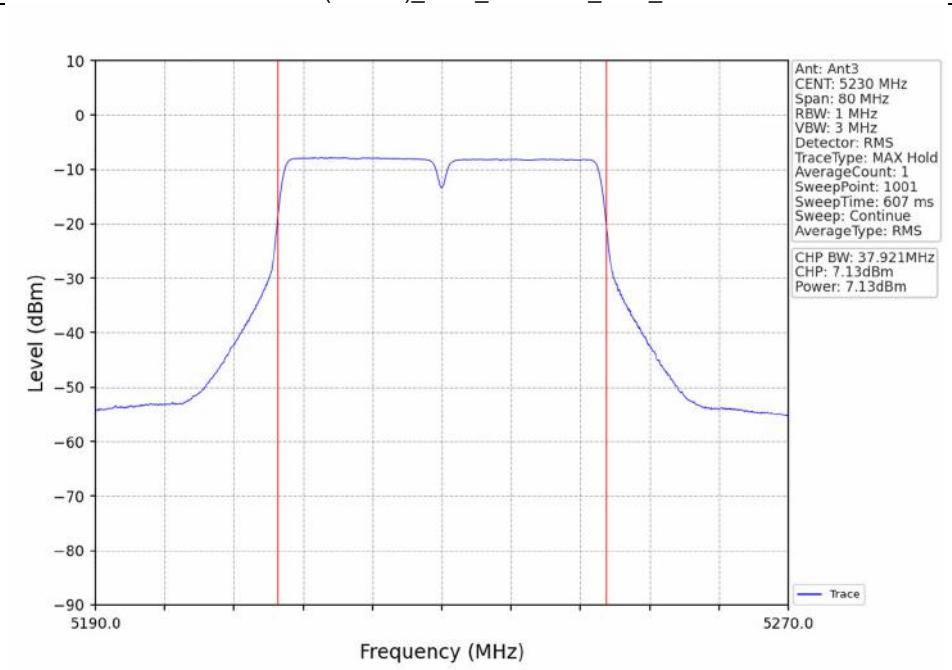
802.11ac(VHT40)_LCH_5190MHz_Ant3_NTNV



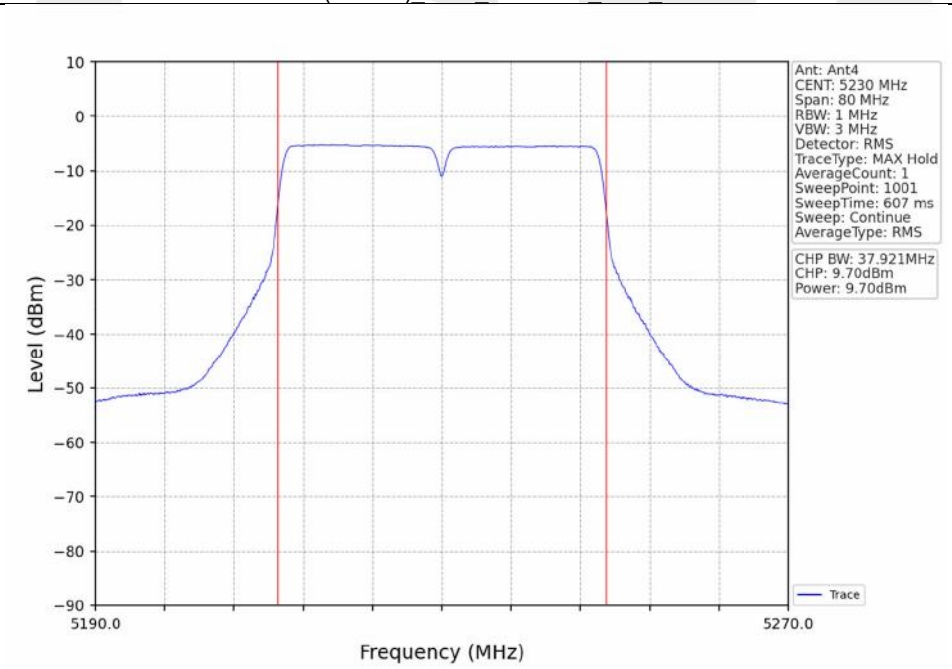
802.11ac(VHT40)_LCH_5190MHz_Ant4_NTNV



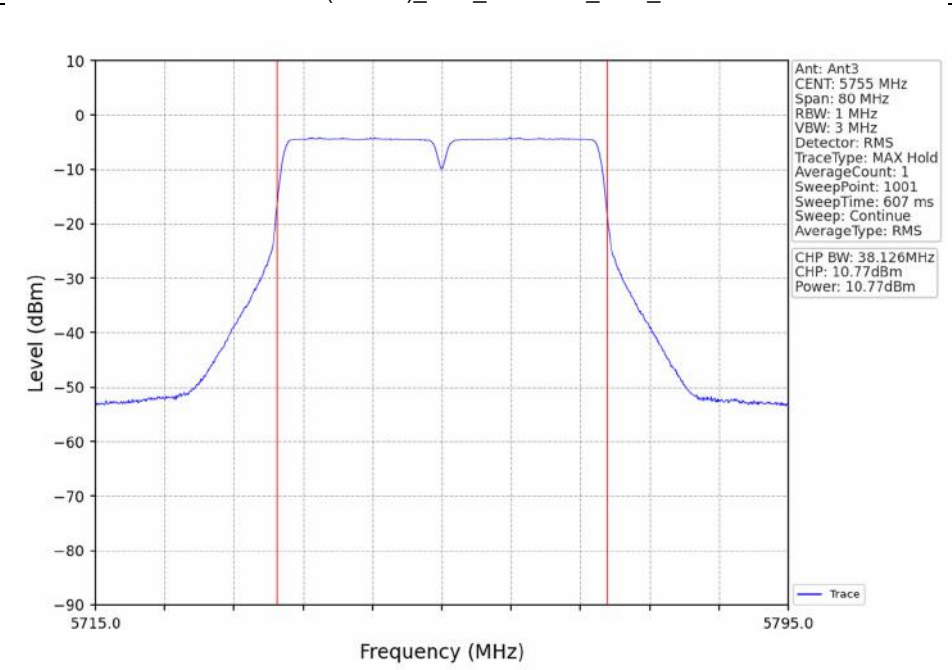
802.11ac(VHT40)_HCH_5230MHz_Ant3_NTNV



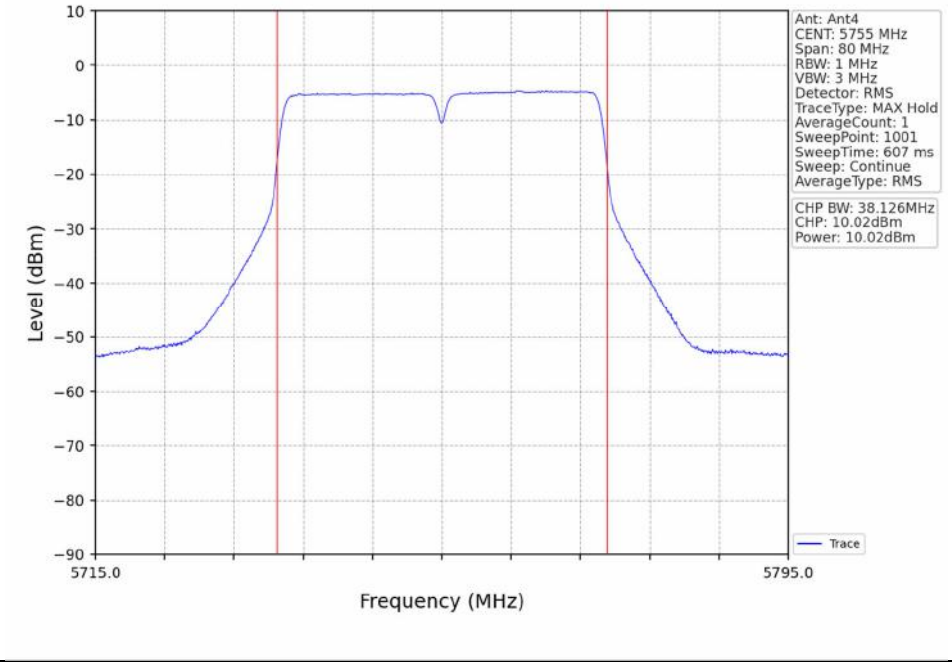
802.11ac(VHT40)_HCH_5230MHz_Ant4_NTNV



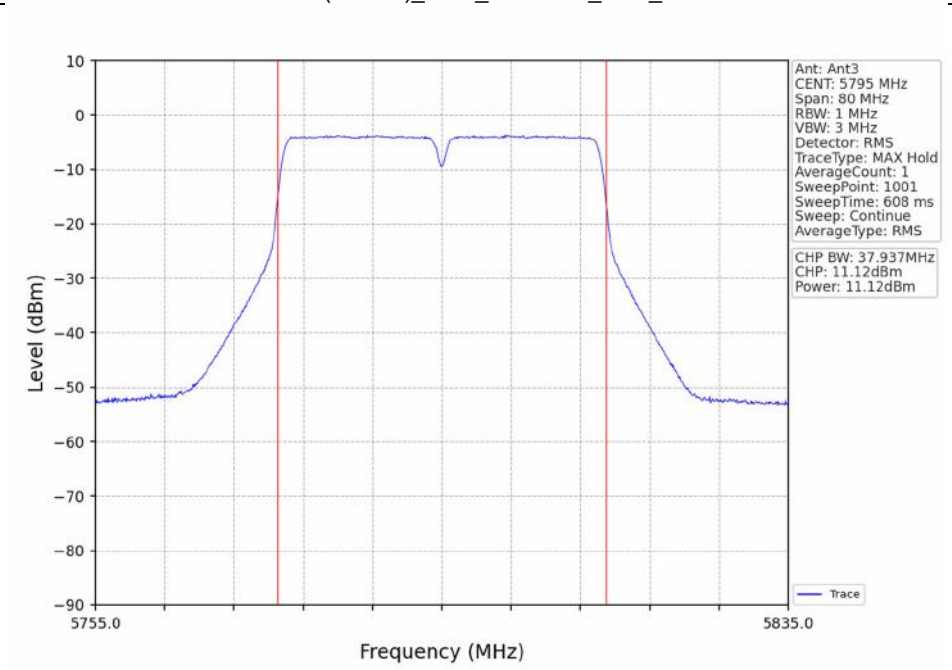
802.11ac(VHT40)_LCH_5755MHz_Ant3_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant4_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant3_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant4_NTNV