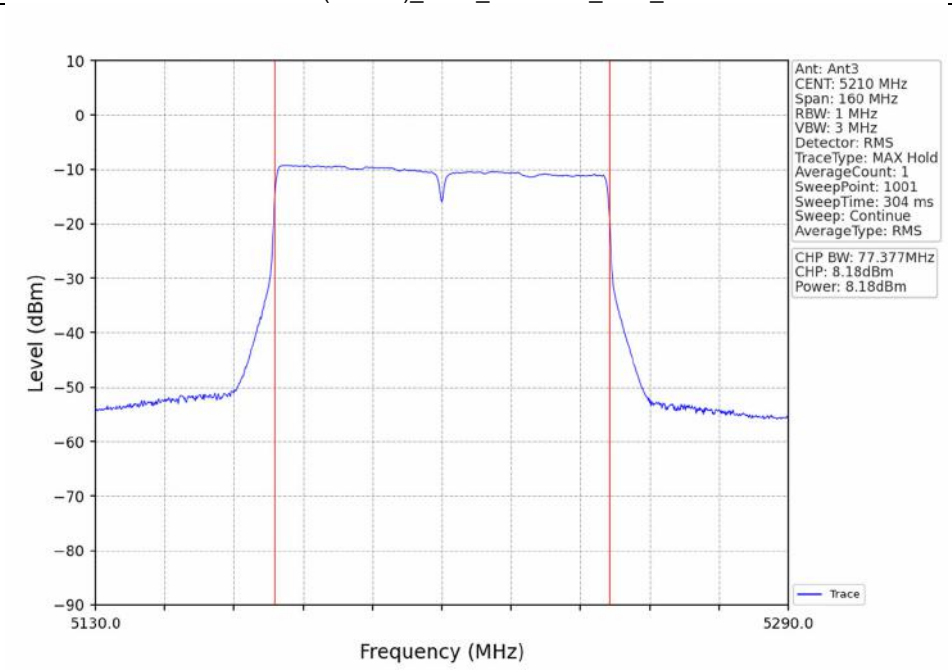
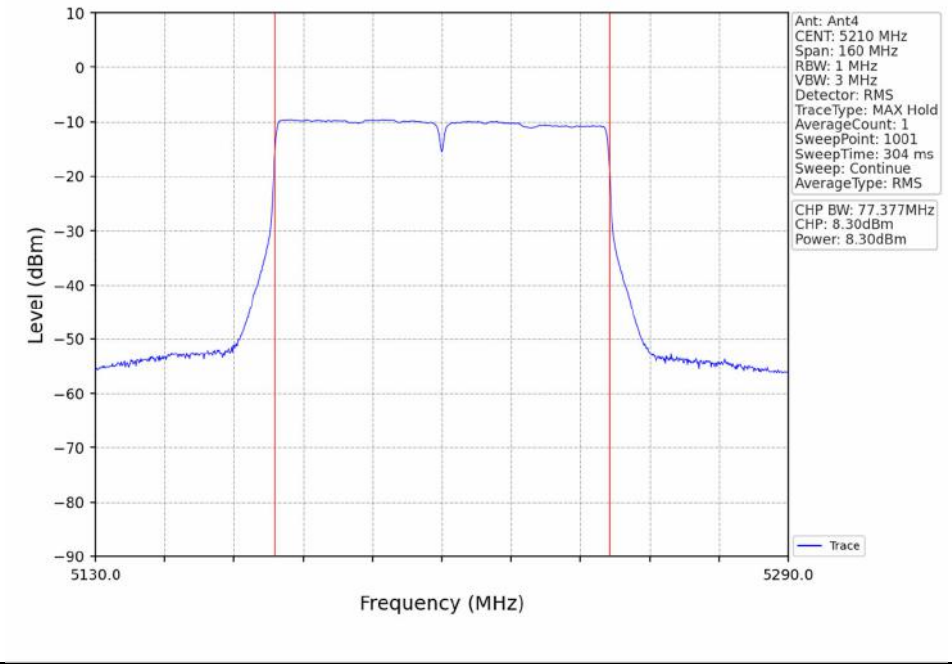
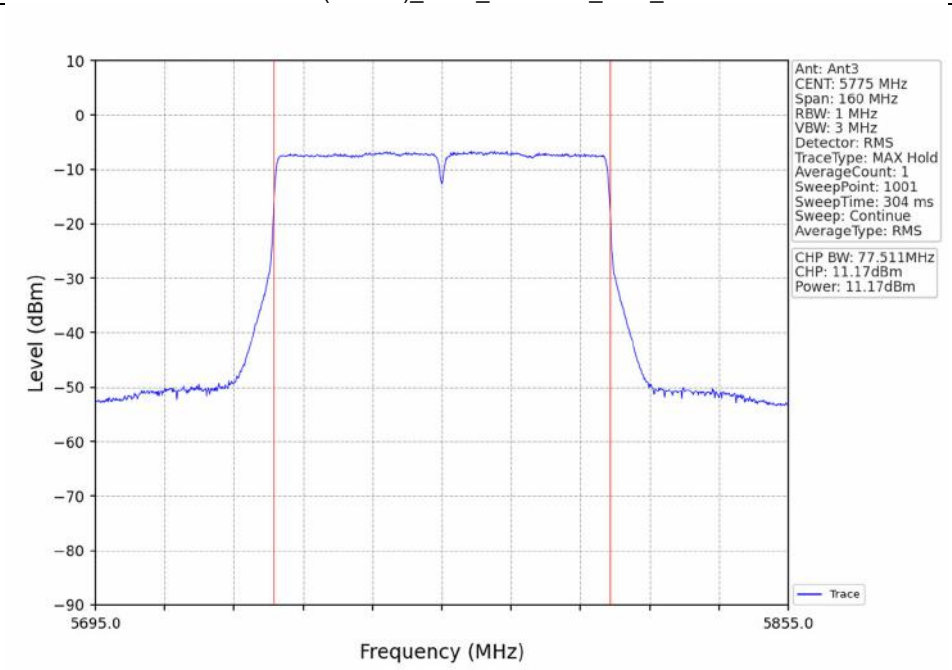
802.11ac(VHT80)_MCH_5210MHz_Ant3_NTNV



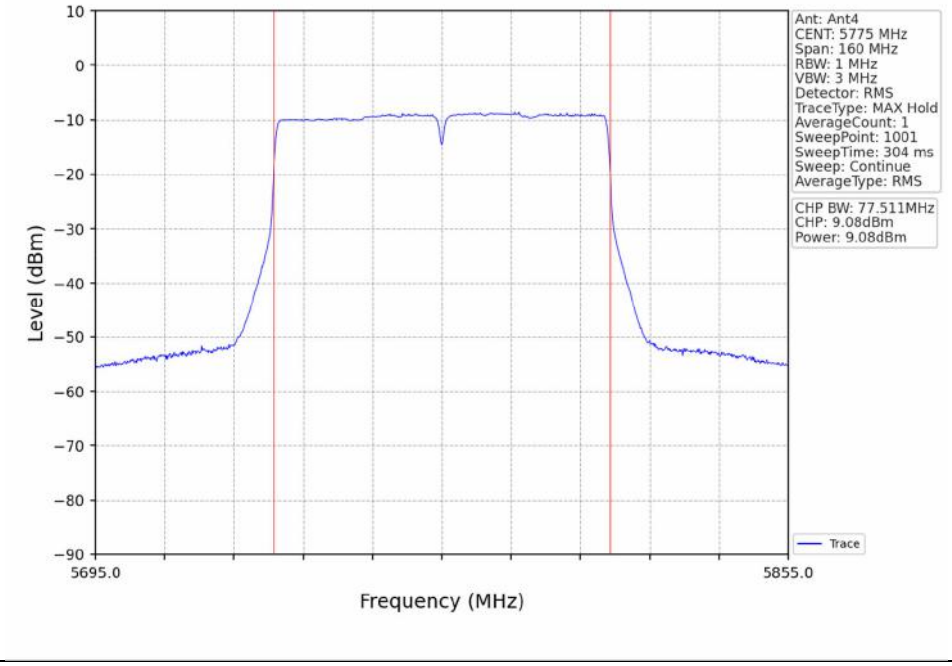
802.11ac(VHT80)_MCH_5210MHz_Ant4_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant3_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant4_NTNV



3.3. Power (WiFi Module 1+ WiFi Module 2)

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			Module 1	Module 2	MIMO	Limit	
802.11n (HT20)	MIMO	5180	10.52	13.50	15.27	<=23.98	Pass
		5200	10.03	12.05	14.17	<=23.98	Pass
		5240	10.44	12.40	14.54	<=23.98	Pass
		5745	11.34	13.19	15.37	<=30	Pass
		5785	11.08	13.56	15.50	<=30	Pass
		5825	11.55	13.49	15.64	<=30	Pass
802.11n (HT40)	MIMO	5190	10.72	13.41	15.28	<=23.98	Pass
		5230	10.27	12.57	14.58	<=23.98	Pass
		5755	11.22	13.39	15.45	<=30	Pass
		5795	11.67	13.79	15.87	<=30	Pass
802.11ac (VHT20)	MIMO	5180	12.05	12.80	15.45	<=23.98	Pass
		5200	11.22	12.03	14.65	<=23.98	Pass
		5240	10.78	11.60	14.22	<=23.98	Pass
		5745	12.97	13.14	16.07	<=30	Pass
		5785	12.73	13.63	16.21	<=30	Pass
		5825	12.80	13.46	16.15	<=30	Pass
802.11ac (VHT40)	MIMO	5190	11.74	12.43	15.11	<=23.98	Pass
		5230	10.42	11.61	14.07	<=23.98	Pass
		5755	13.82	13.42	16.63	<=30	Pass
		5795	12.68	13.83	16.30	<=30	Pass
802.11ac (VHT80)	MIMO	5210	12.51	11.25	14.94	<=23.98	Pass
		5775	12.24	13.26	15.79	<=30	Pass
Note1: Antenna Gain: WiFi Module 1: 2.00dBi; WiFi Module 2: 2.00dBi; Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain=2.00dBi)							

4. Maximum Power Spectral Density

4.1.1 PSD (WiFi Module 1)

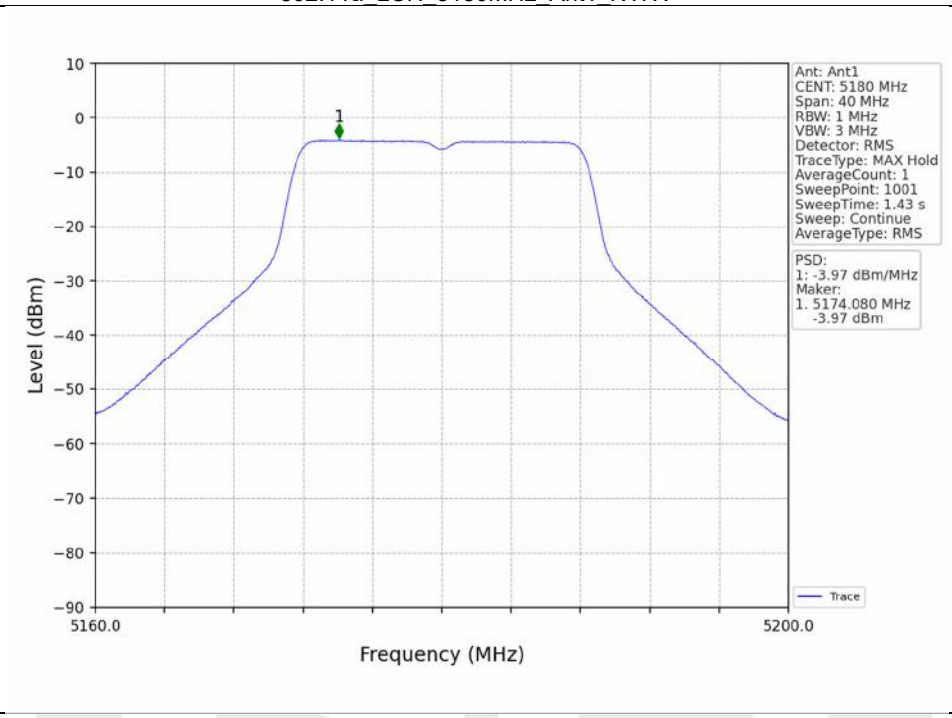
4.1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)			Verdict
			ANT1	ANT2	Limit	
802.11a	SISO	5180	-3.97	-4.67	<=11	Pass
		5200	-4.55	-5.47	<=11	Pass
		5240	-6.62	-4.58	<=11	Pass
802.11n (HT20)	SISO	5180	-4.29	-3.47	<=11	Pass
		5200	-4.60	-4.02	<=11	Pass
		5240	-6.05	-3.46	<=11	Pass
802.11n (HT40)	SISO	5190	-7.00	-6.95	<=11	Pass
		5230	-8.68	-6.85	<=11	Pass
802.11ac (VHT20)	SISO	5180	-4.03	1.10	<=11	Pass
		5200	-4.54	0.14	<=11	Pass
		5240	-6.43	-2.84	<=11	Pass
802.11ac (VHT40)	SISO	5190	-7.12	-2.96	<=11	Pass
		5230	-8.83	-6.44	<=11	Pass
802.11ac (VHT80)	SISO	5210	-10.33	-3.78	<=11	Pass
Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi;						

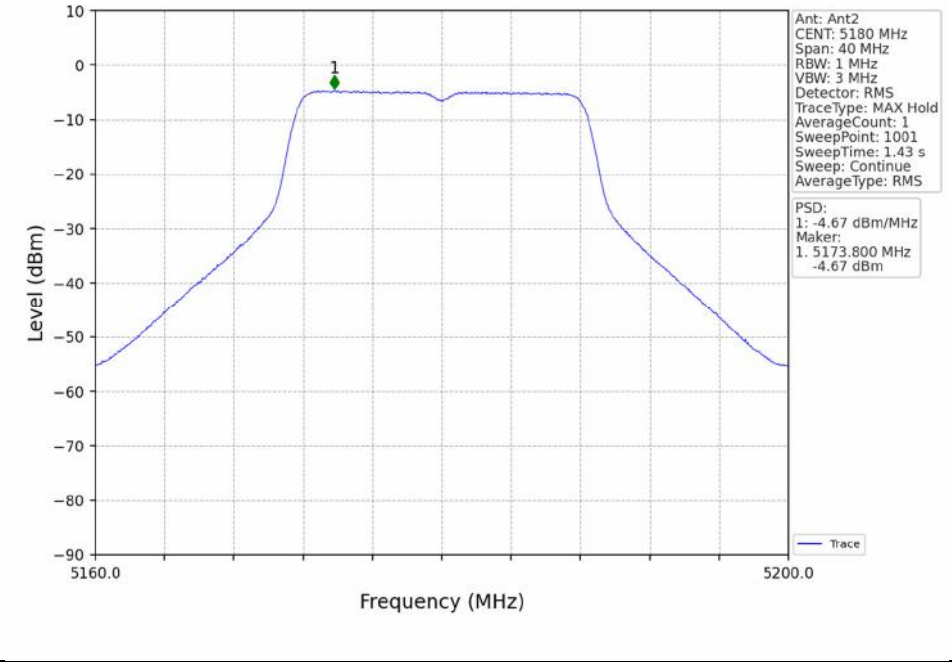
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11n (HT20)	SISO	5180	-4.29	-3.47	-0.85	<=11	Pass
		5200	-4.60	-4.02	-1.29	<=11	Pass
		5240	-6.05	-3.46	-1.55	<=11	Pass
802.11n (HT40)	SISO	5190	-7.00	-6.95	-3.96	<=11	Pass
		5230	-8.68	-6.85	-4.66	<=11	Pass
802.11ac (VHT20)	SISO	5180	-4.03	1.10	2.26	<=11	Pass
		5200	-4.54	0.14	1.41	<=11	Pass
		5240	-6.43	-2.84	-1.26	<=11	Pass
802.11ac (VHT40)	SISO	5190	-7.12	-2.96	-1.55	<=11	Pass
		5230	-8.83	-6.44	-4.46	<=11	Pass
802.11ac (VHT80)	SISO	5210	-10.33	-3.78	-2.91	<=11	Pass
Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi; Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain=2.00dBi)							

4.1.1.2 Test Graph

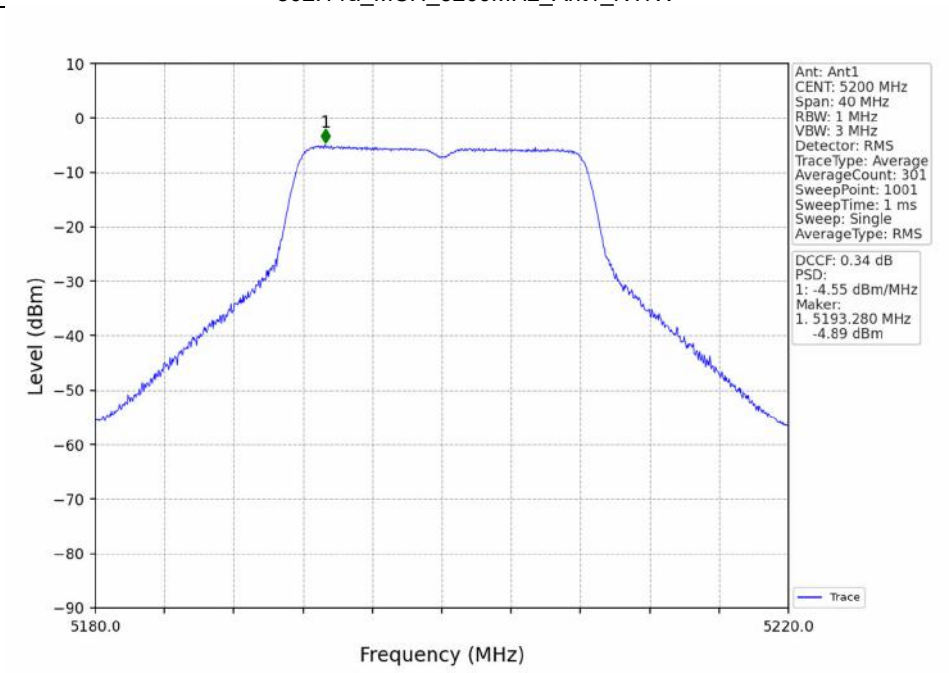
802.11a_LCH_5180MHz_Ant1_NTNV



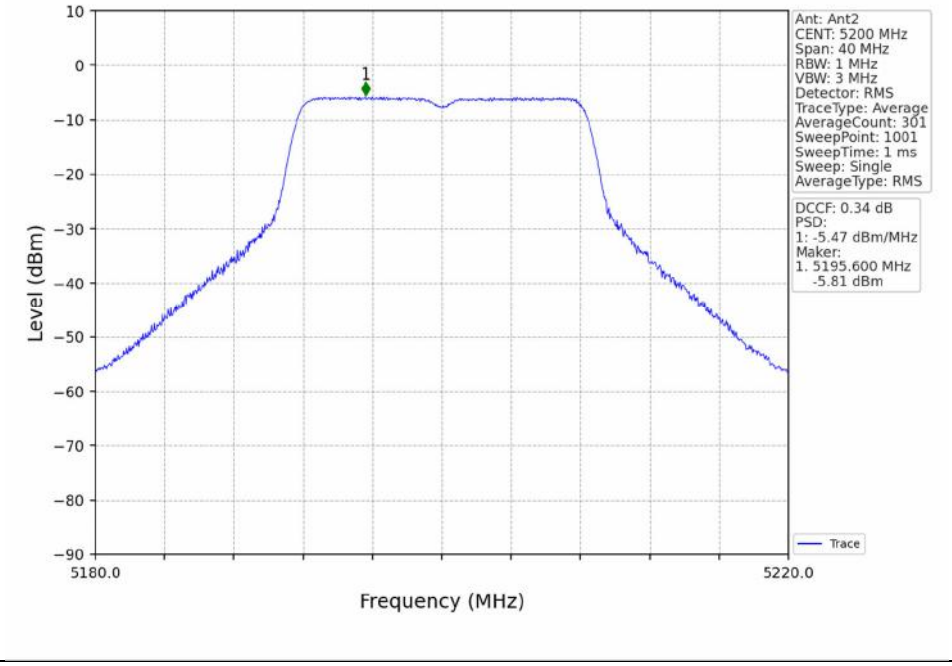
802.11a_LCH_5180MHz_Ant2_NTNV



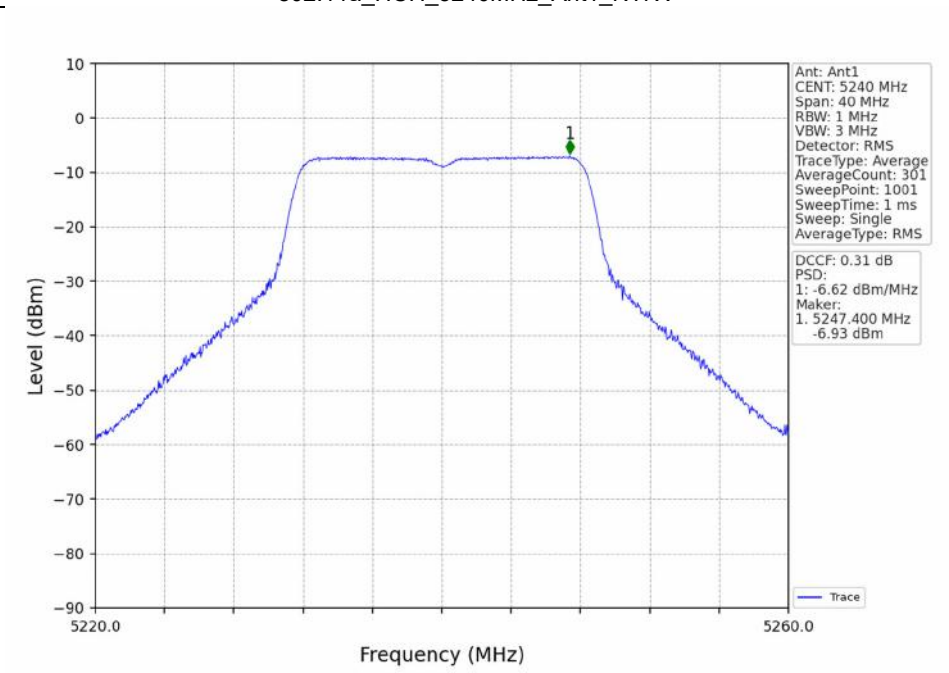
802.11a_MCH_5200MHz_Ant1_NTNV



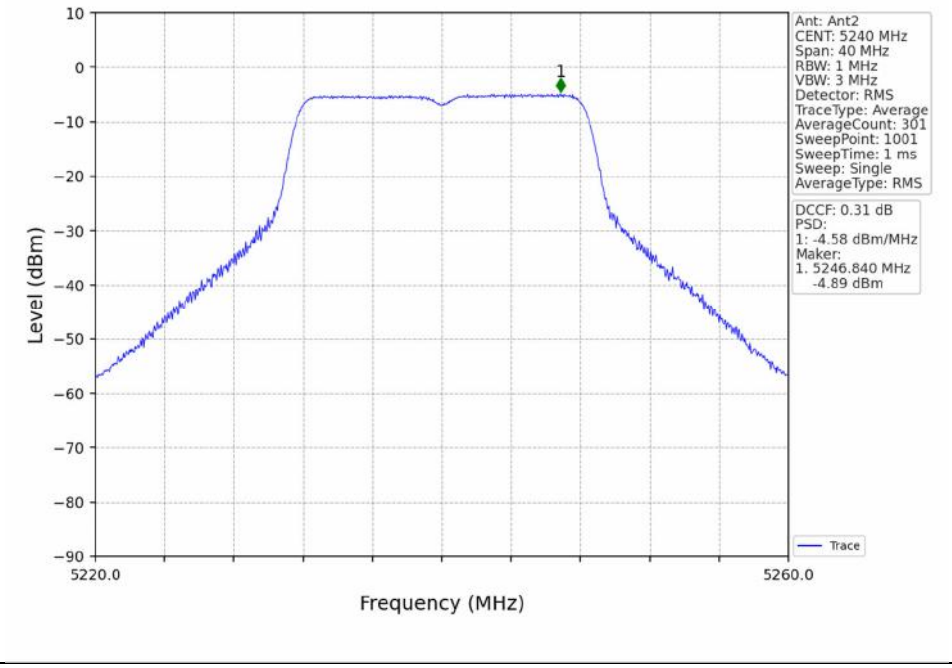
802.11a_MCH_5200MHz_Ant2_NTNV



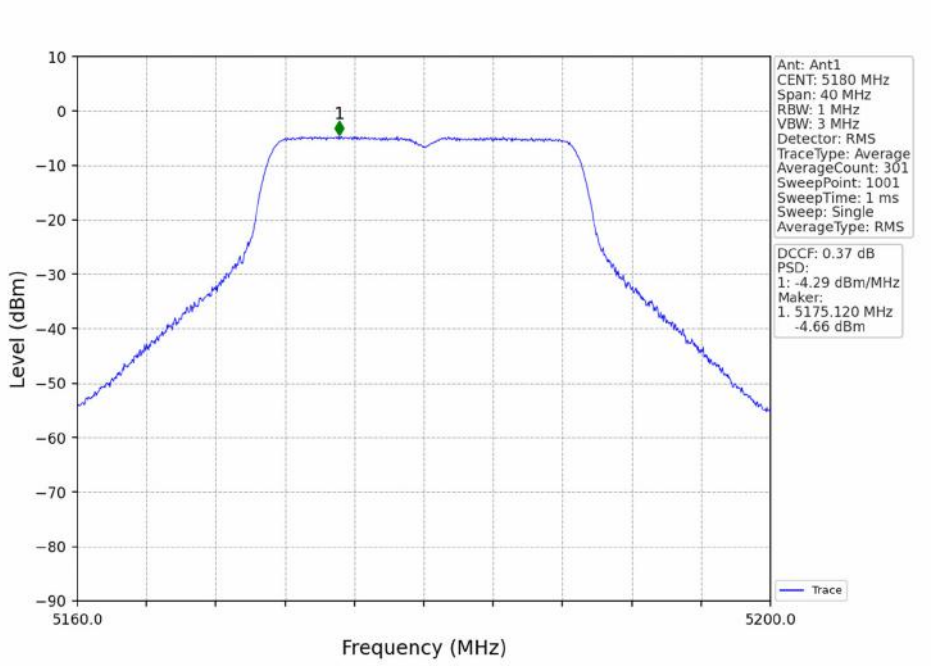
802.11a_HCH_5240MHz_Ant1_NTNV



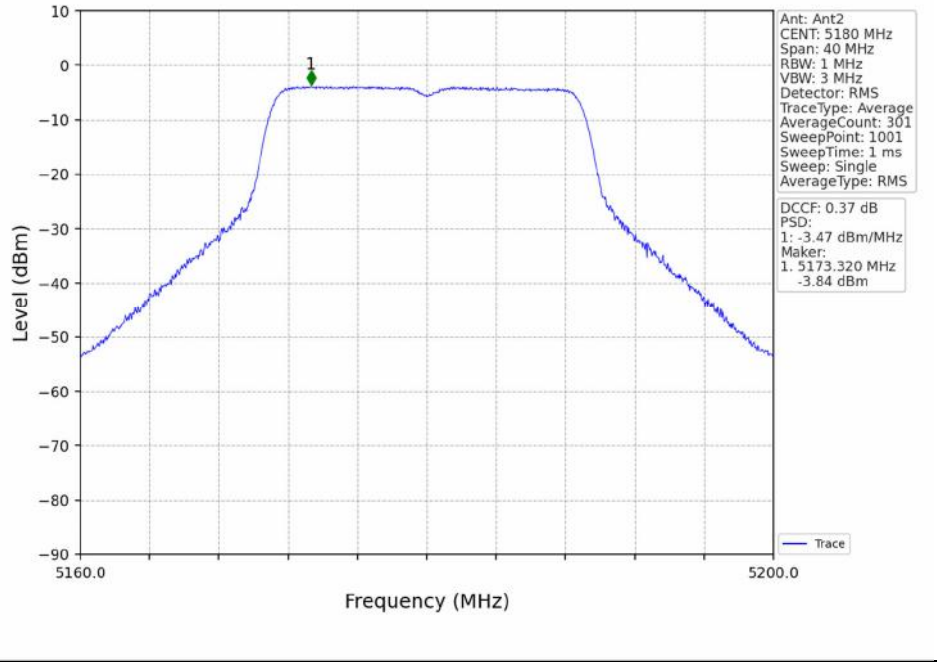
802.11a_HCH_5240MHz_Ant2_NTNV



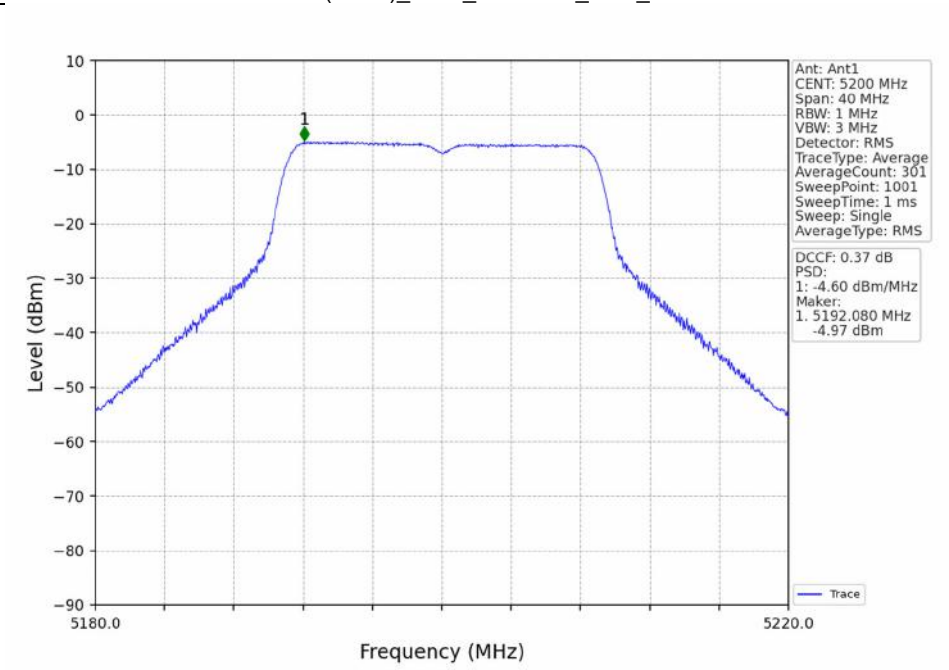
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



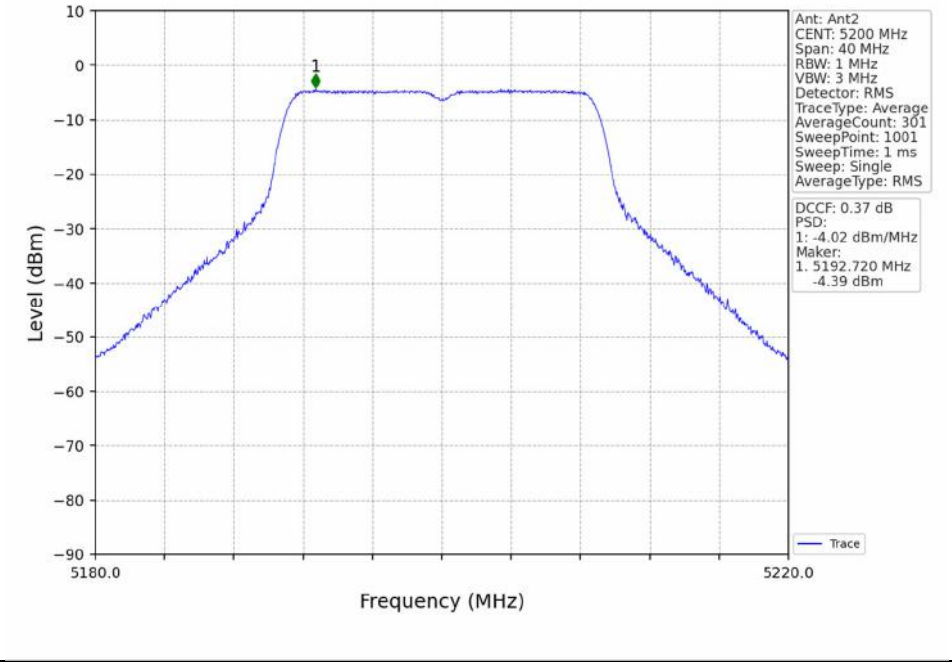
802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



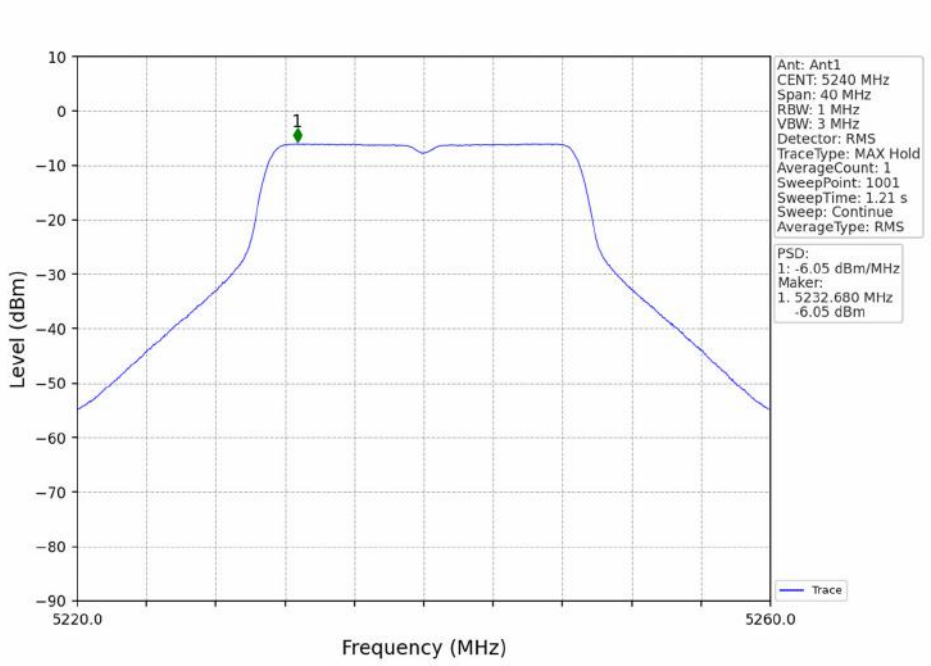
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



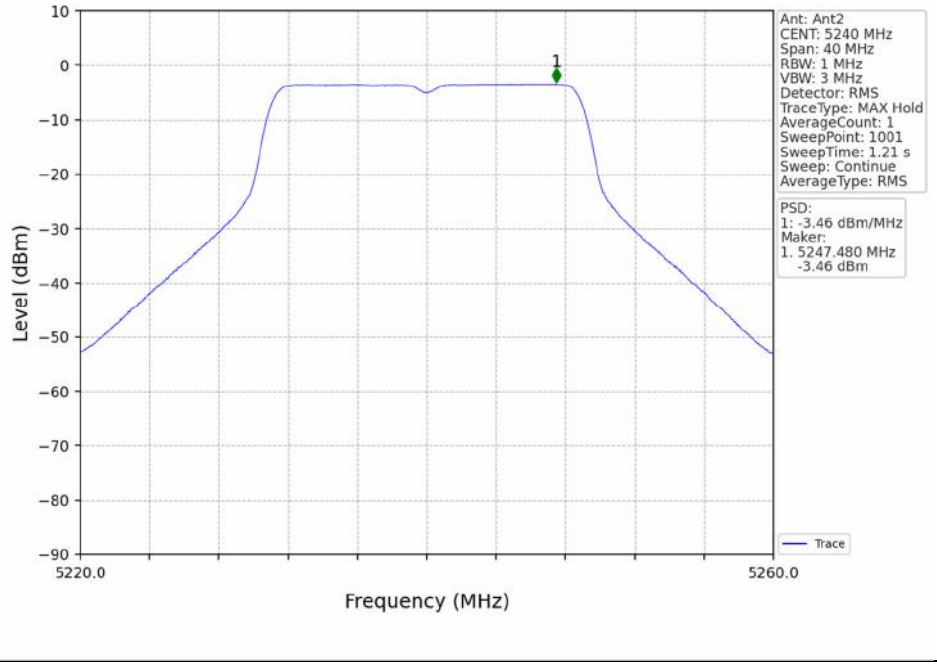
802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



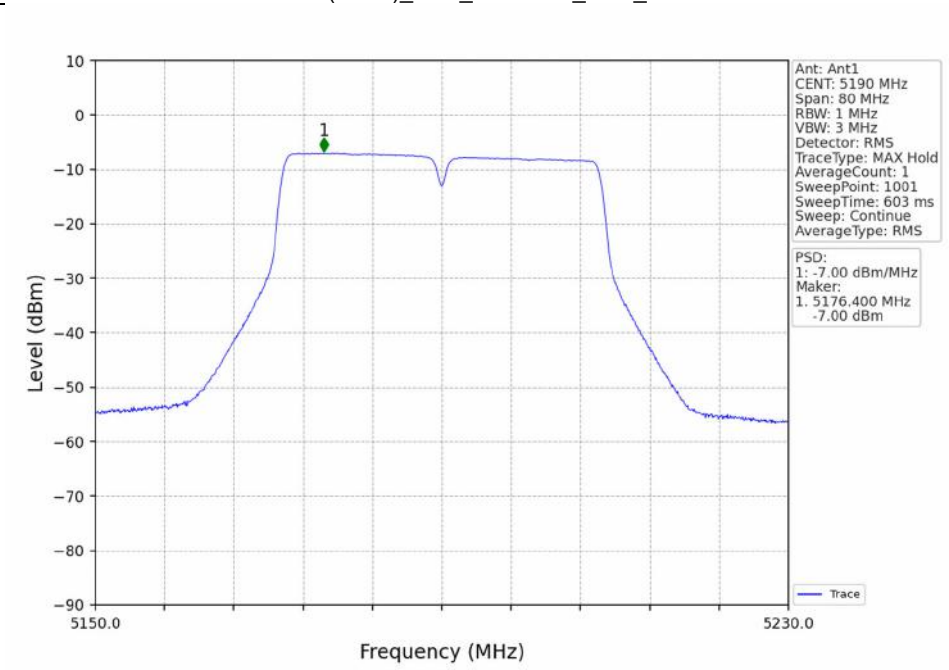
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



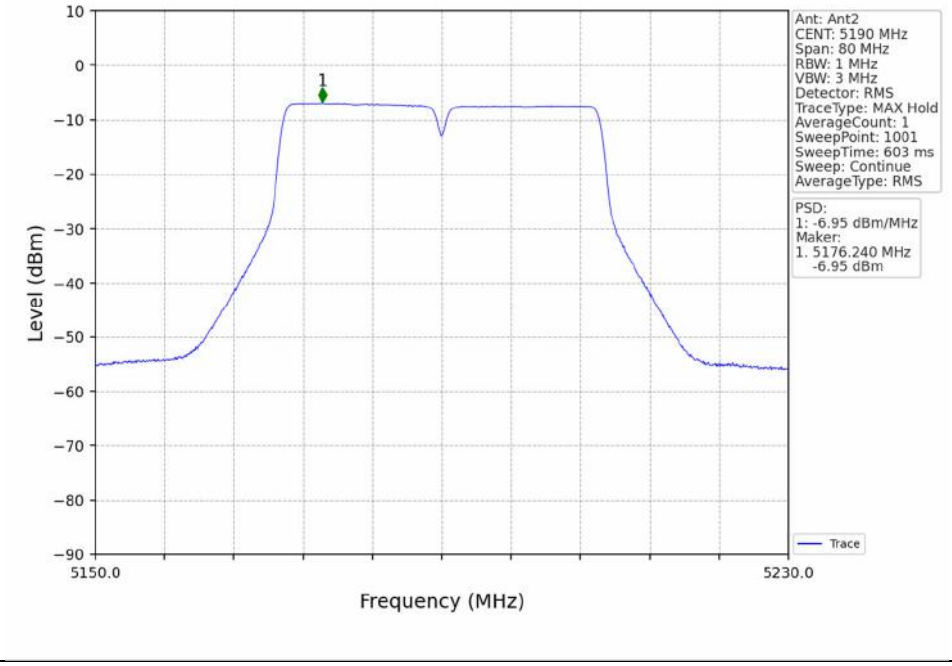
802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



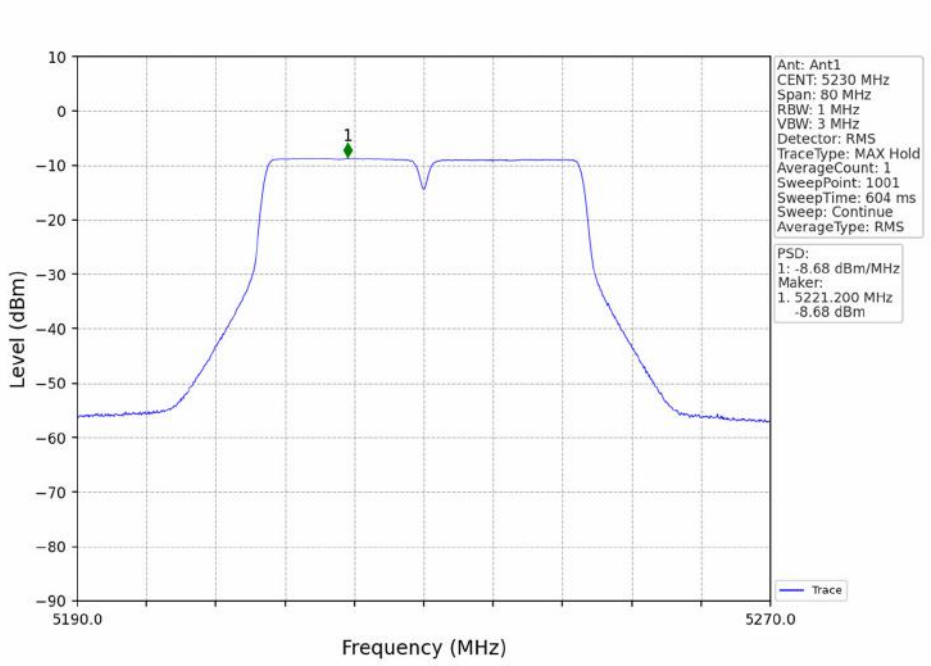
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



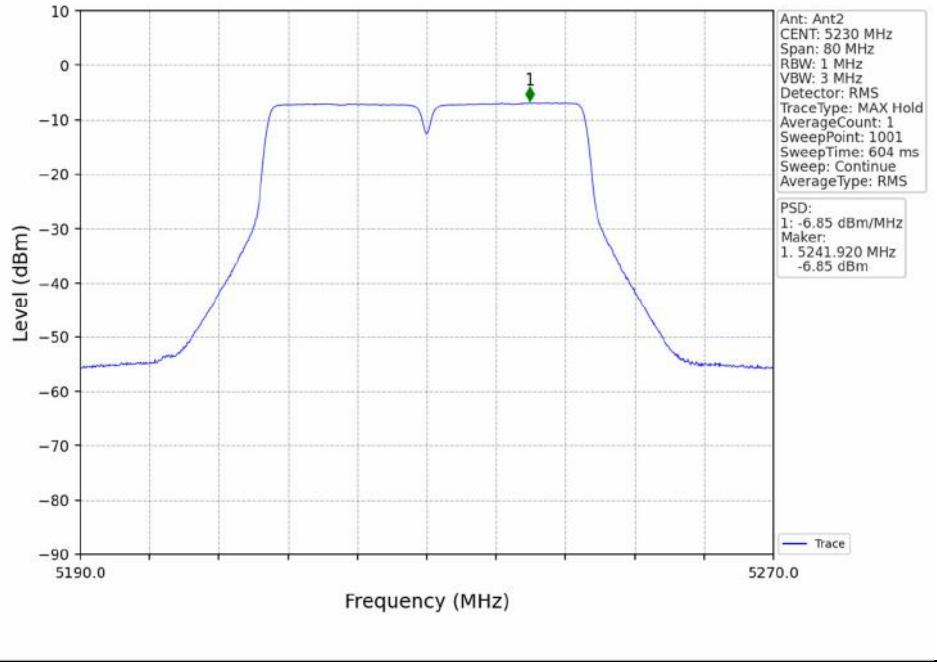
802.11n(HT40)_LCH_5190MHz_Ant2_NTNV



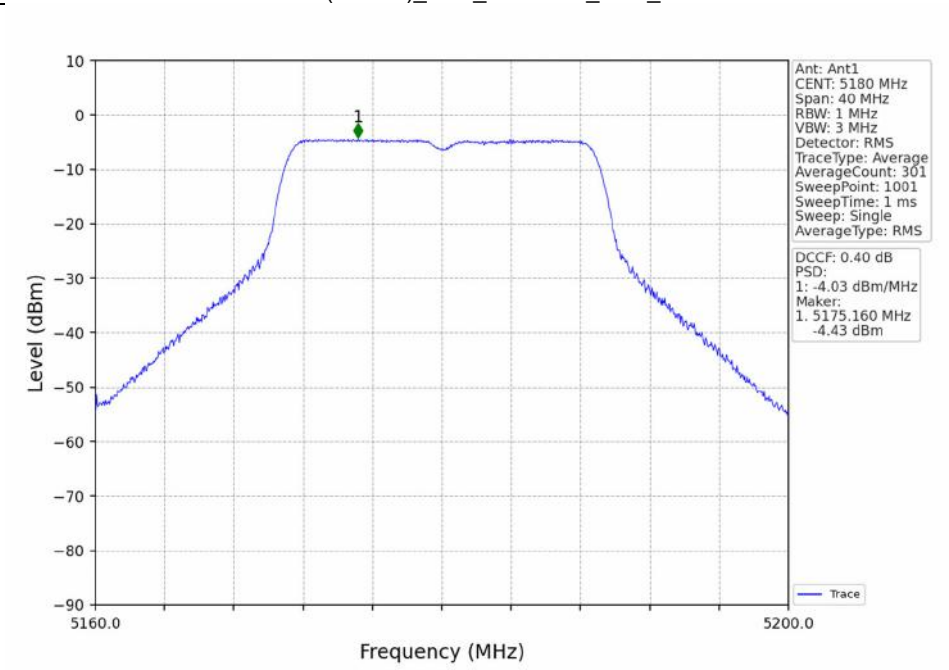
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



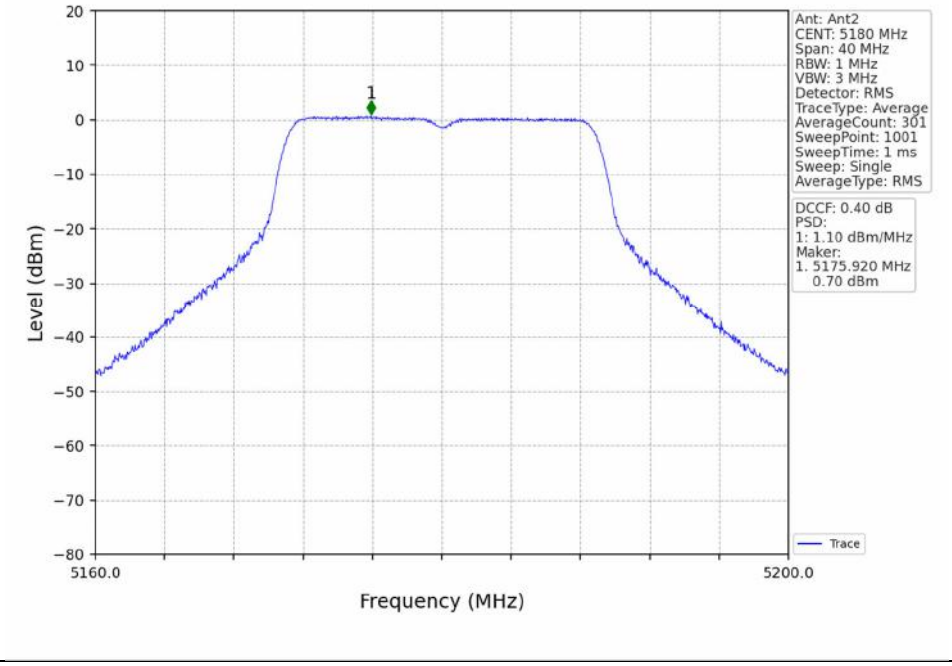
802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



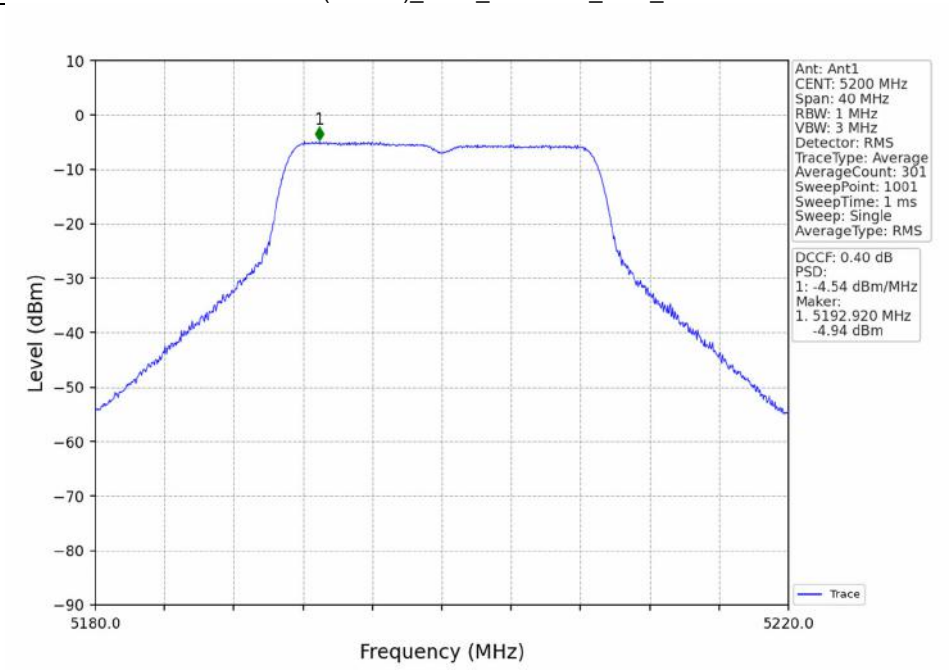
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



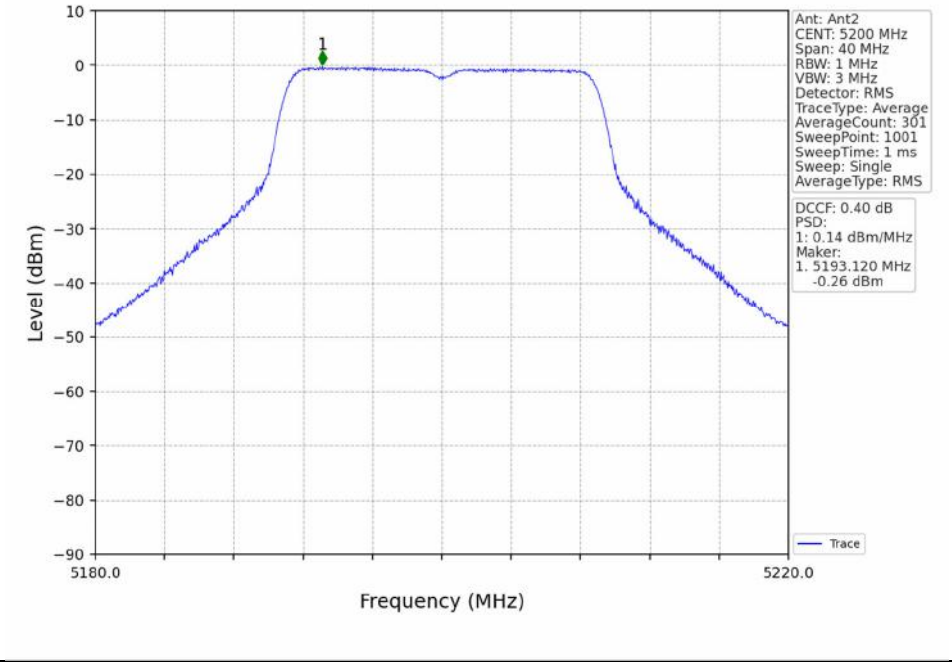
802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV



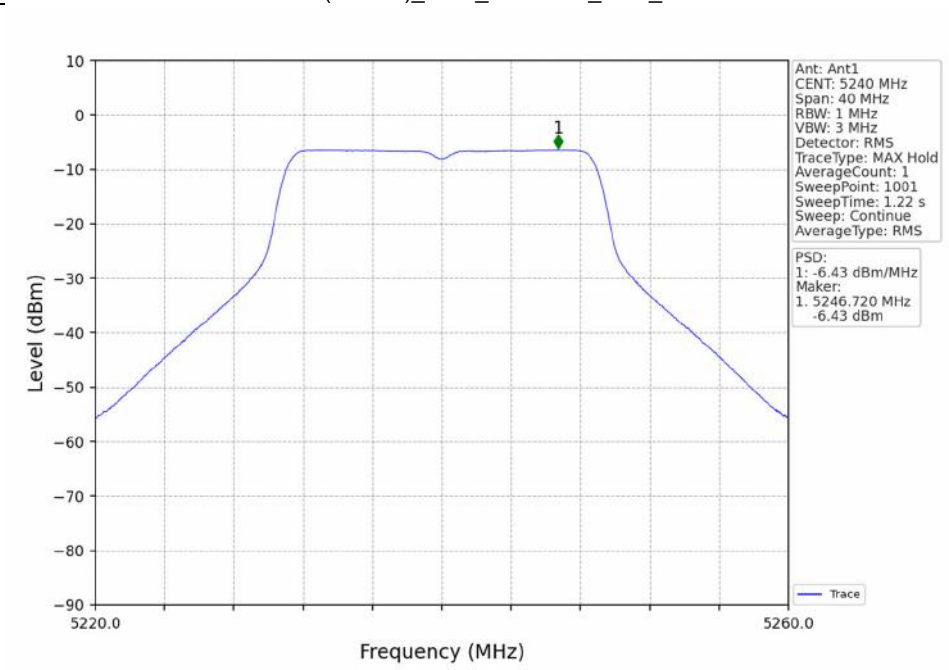
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



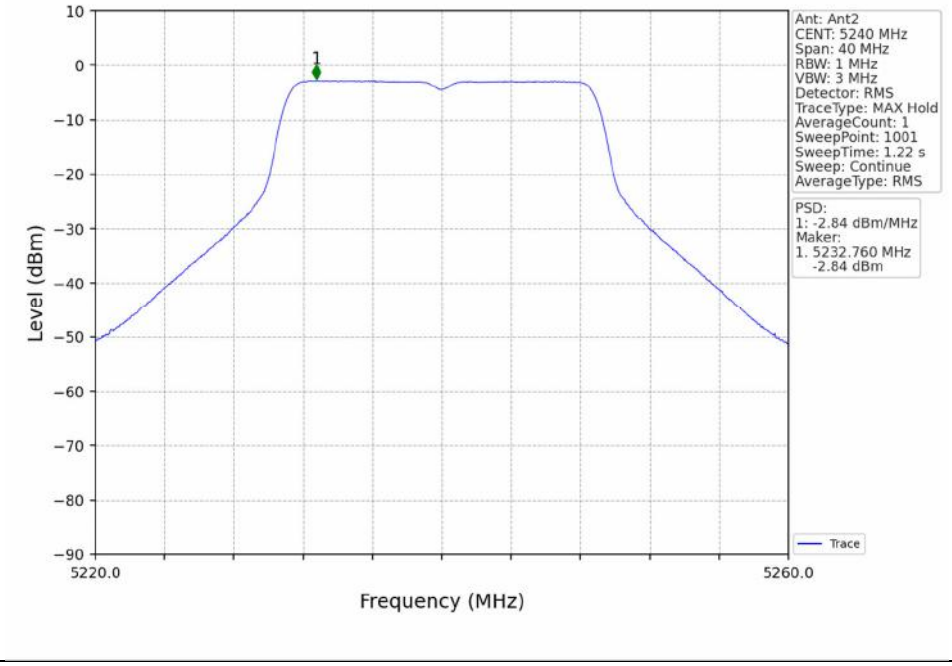
802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV



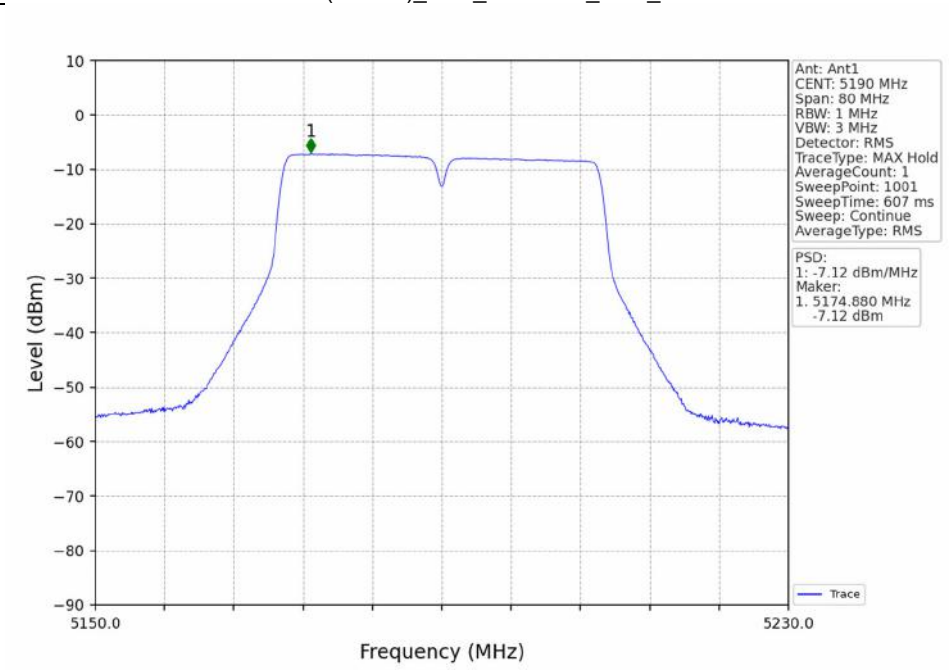
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



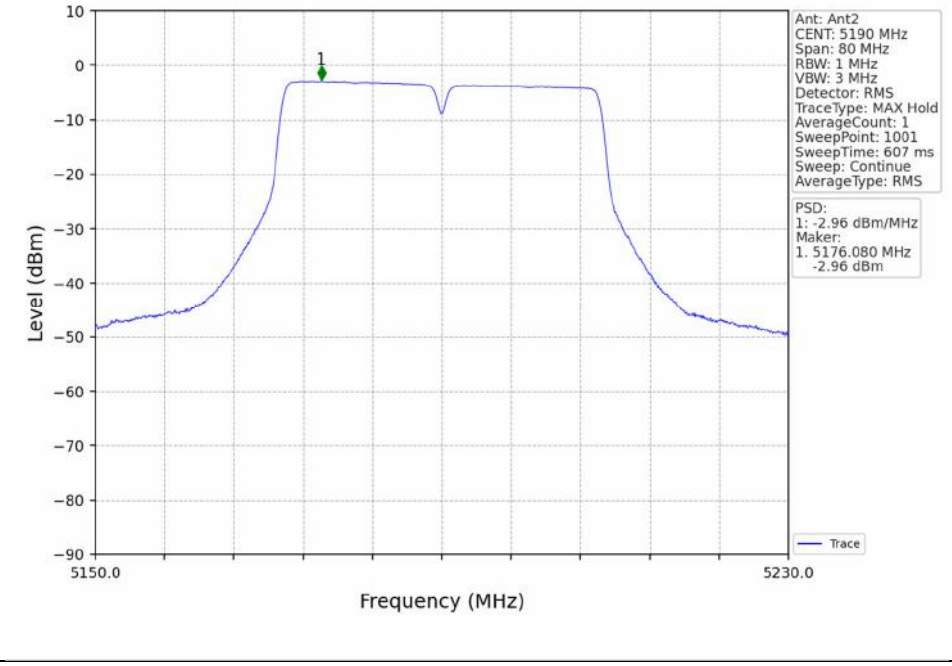
802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



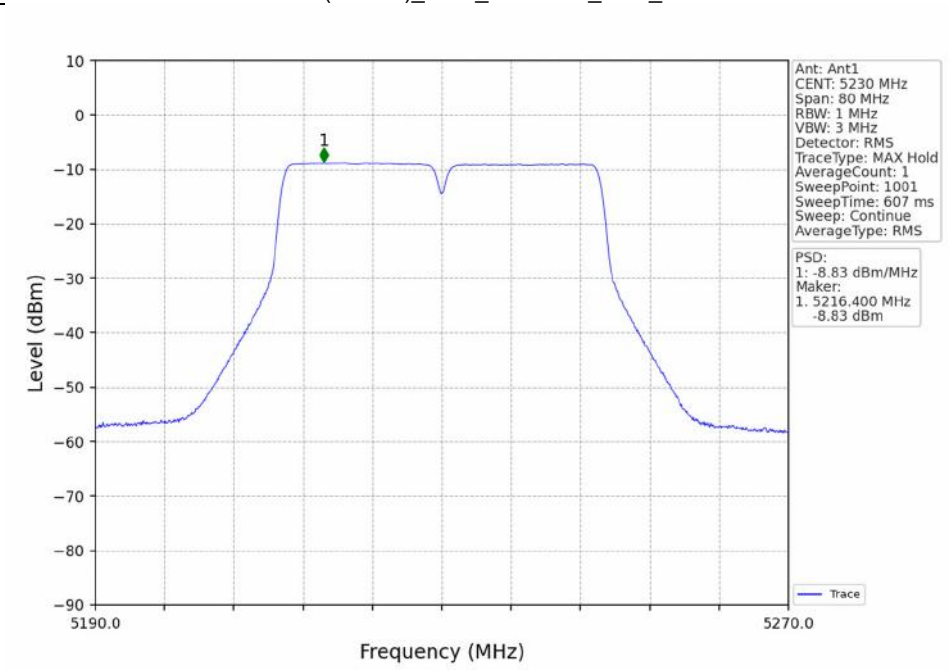
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



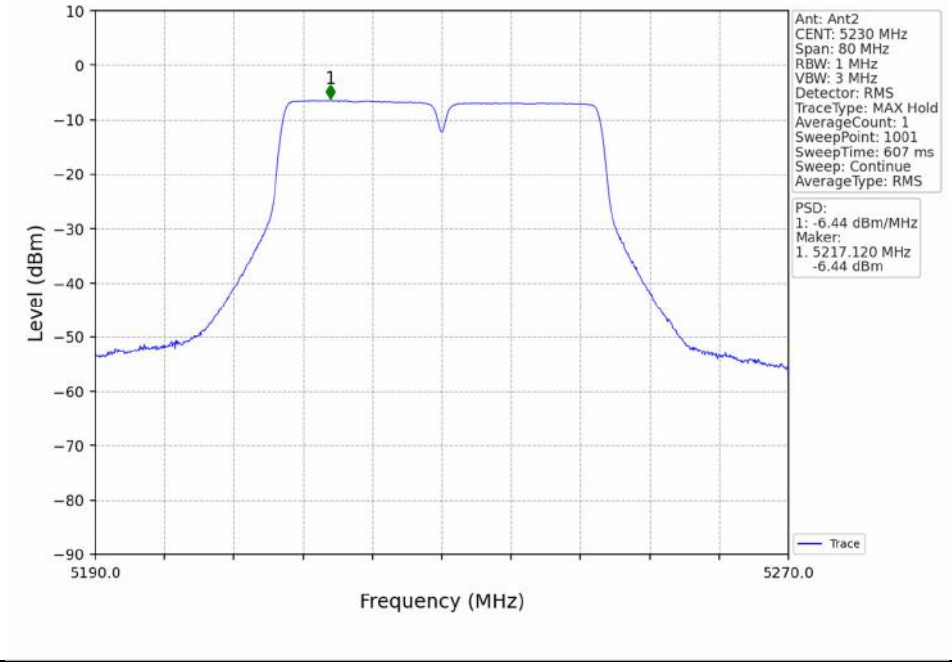
802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



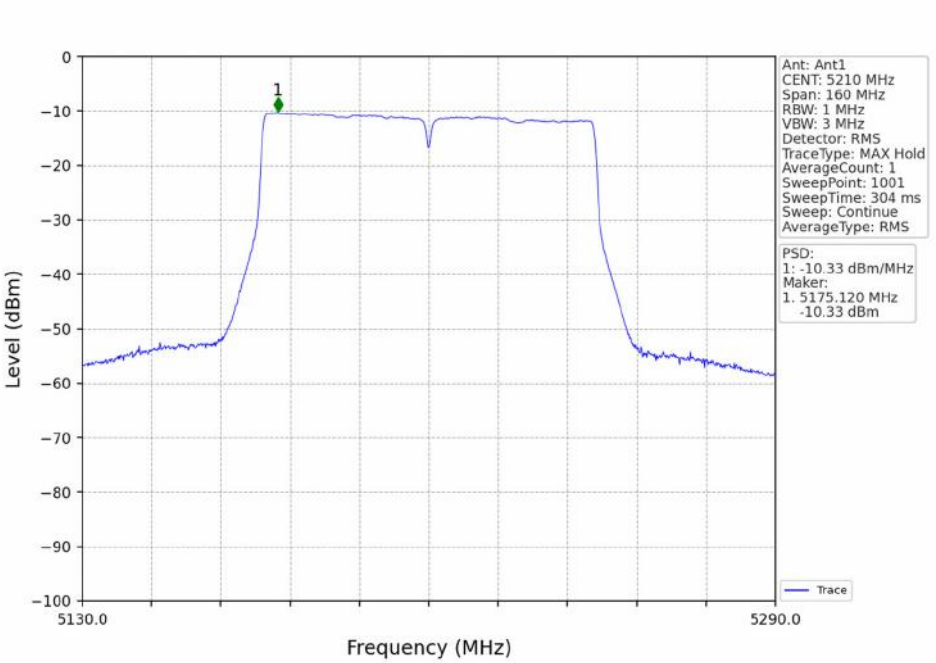
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



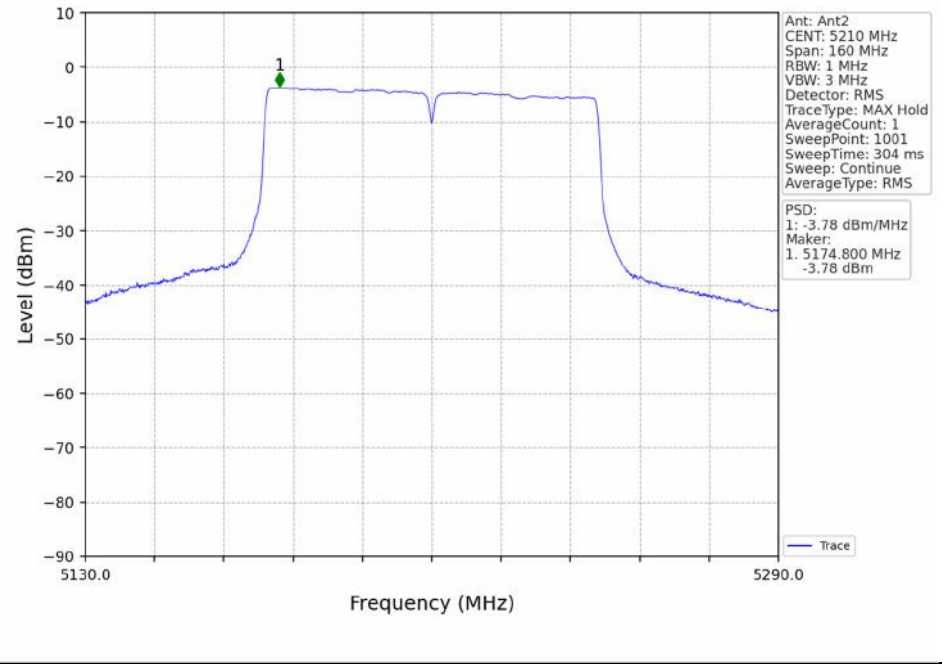
802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



4.1.2 PSD (WiFi Module 2)

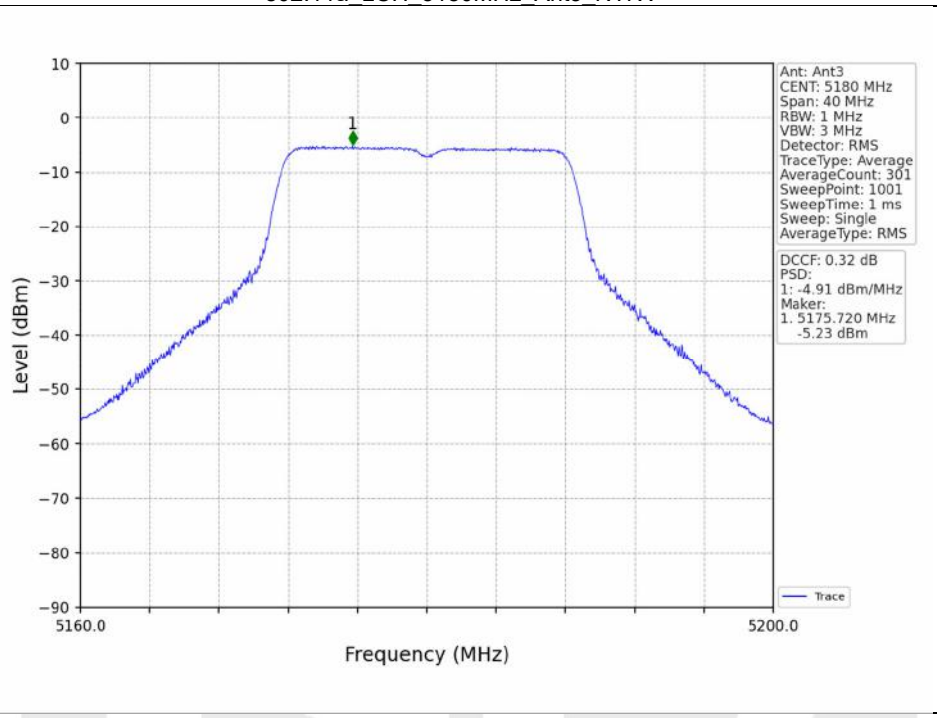
4.1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)			Verdict
			ANT3	ANT4	Limit	
802.11a	SISO	5180	-4.91	-0.71	<=11	Pass
		5200	-5.90	-1.23	<=11	Pass
		5240	-8.73	-1.31	<=11	Pass
802.11n (HT20)	SISO	5180	-1.18	-0.96	<=11	Pass
		5200	-3.84	-1.58	<=11	Pass
		5240	-5.95	-1.43	<=11	Pass
802.11n (HT40)	SISO	5190	-4.12	-2.70	<=11	Pass
		5230	-5.75	-5.07	<=11	Pass
802.11ac (VHT20)	SISO	5180	-2.59	-1.37	<=11	Pass
		5200	-3.33	-1.86	<=11	Pass
		5240	-5.09	-1.61	<=11	Pass
802.11ac (VHT40)	SISO	5190	-6.02	-4.68	<=11	Pass
		5230	-7.81	-5.24	<=11	Pass
802.11ac (VHT80)	SISO	5210	-9.31	-9.63	<=11	Pass
Note1: Antenna Gain: Ant3: 2.00dBi; Ant4: 2.00dBi;						

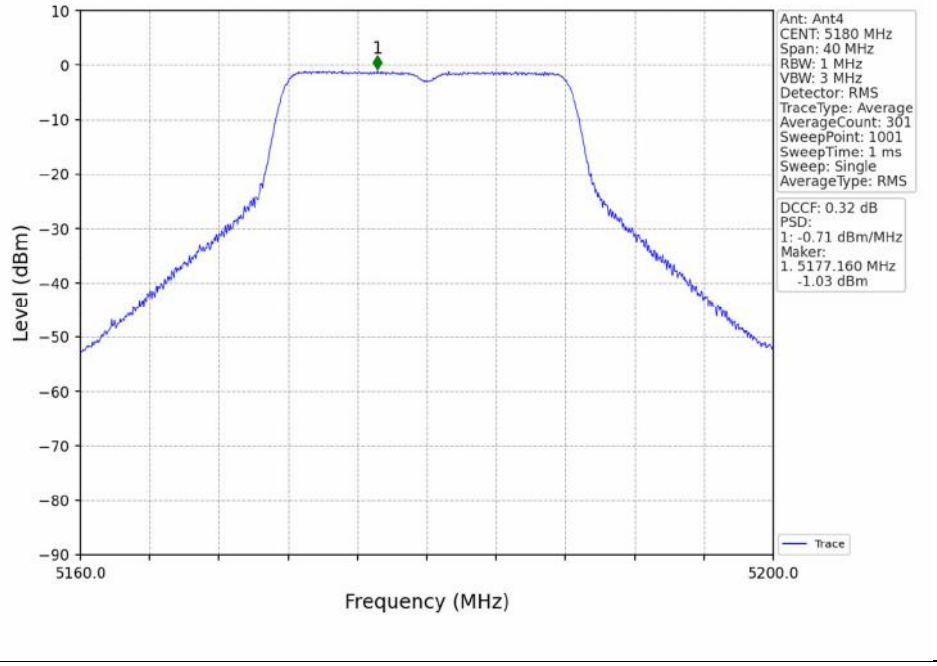
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT3	ANT4	MIMO	Limit	
802.11n (HT20)	SISO	5180	-1.18	-0.96	1.94	<=11	Pass
		5200	-3.84	-1.58	0.45	<=11	Pass
		5240	-5.95	-1.43	-0.12	<=11	Pass
802.11n (HT40)	SISO	5190	-4.12	-2.70	-0.34	<=11	Pass
		5230	-5.75	-5.07	-2.39	<=11	Pass
802.11ac (VHT20)	SISO	5180	-2.59	-1.37	1.07	<=11	Pass
		5200	-3.33	-1.86	0.48	<=11	Pass
		5240	-5.09	-1.61	0.00	<=11	Pass
802.11ac (VHT40)	SISO	5190	-6.02	-4.68	-2.29	<=11	Pass
		5230	-7.81	-5.24	-3.33	<=11	Pass
802.11ac (VHT80)	SISO	5210	-9.31	-9.63	-6.46	<=11	Pass
Note1: Antenna Gain: Ant3: 2.00dBi; Ant4: 2.00dBi; Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain=2.00dBi)							

4.1.2.2 Test Graph

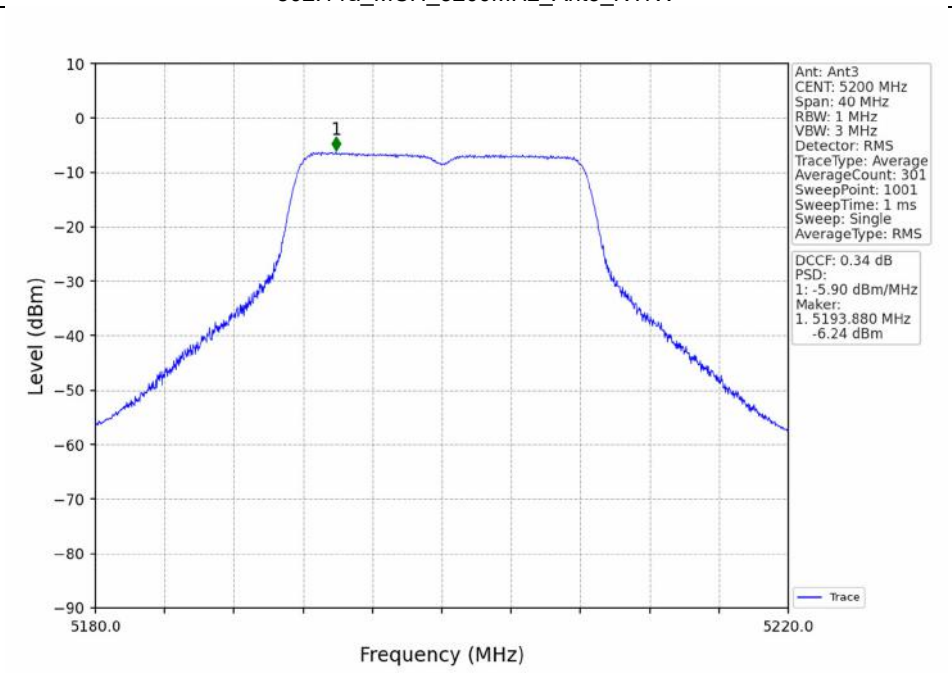
802.11a_LCH_5180MHz_Ant3_NTNV



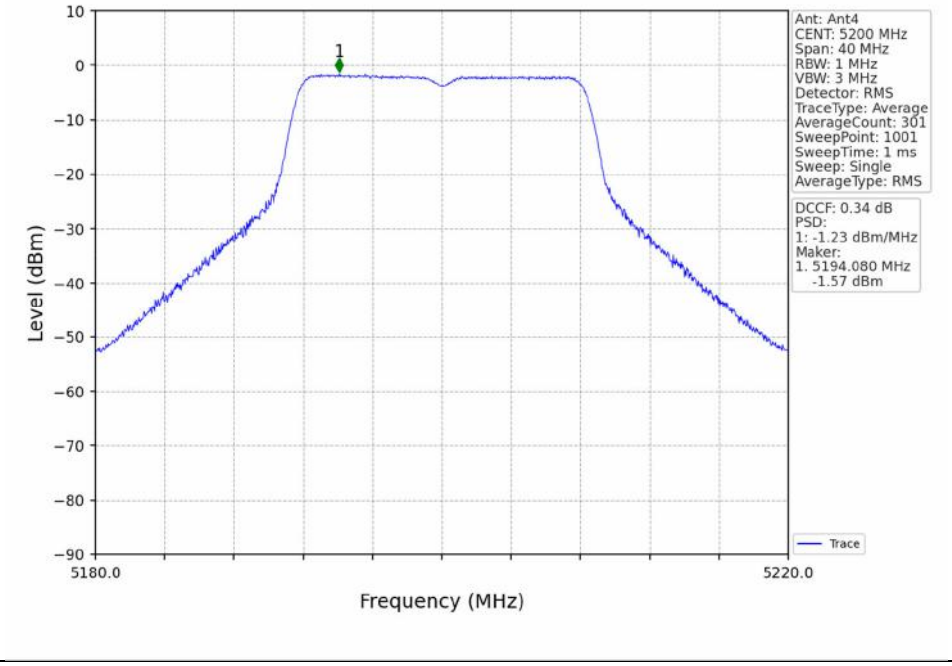
802.11a_LCH_5180MHz_Ant4_NTNV



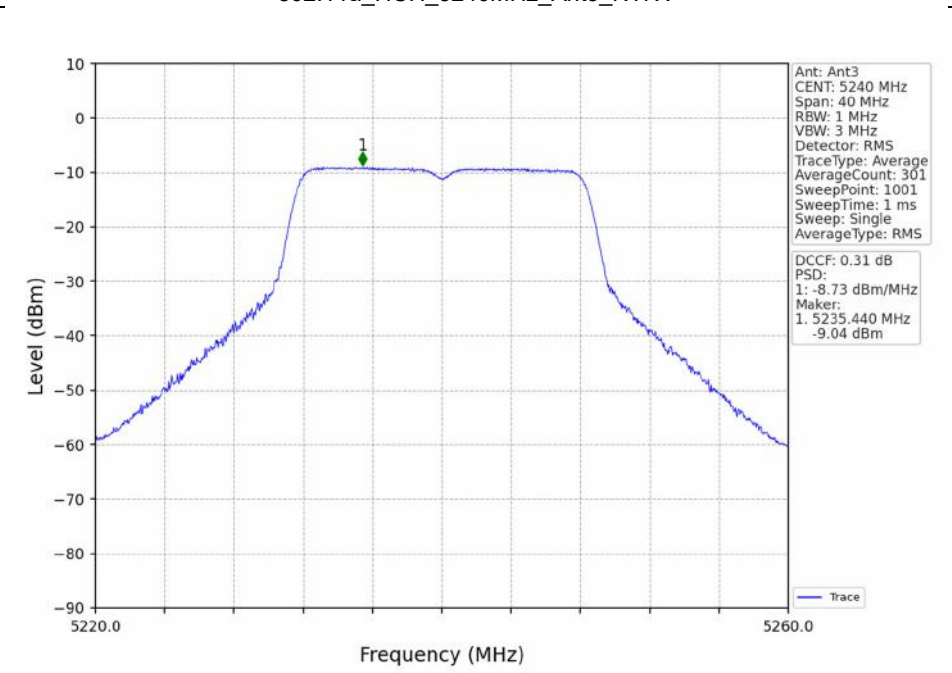
802.11a_MCH_5200MHz_Ant3_NTNV



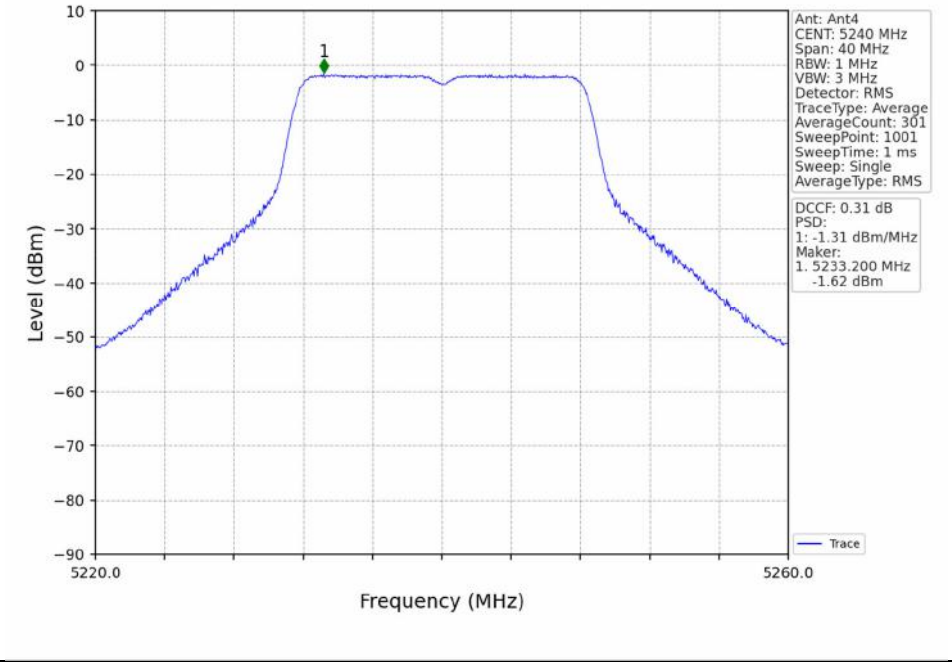
802.11a_MCH_5200MHz_Ant4_NTNV



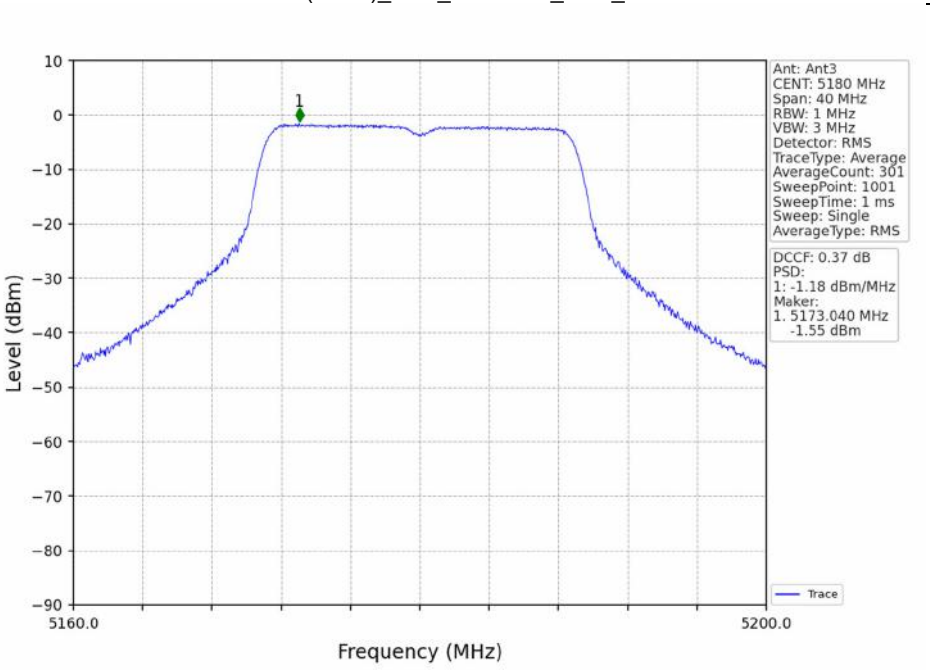
802.11a_HCH_5240MHz_Ant3_NTNV



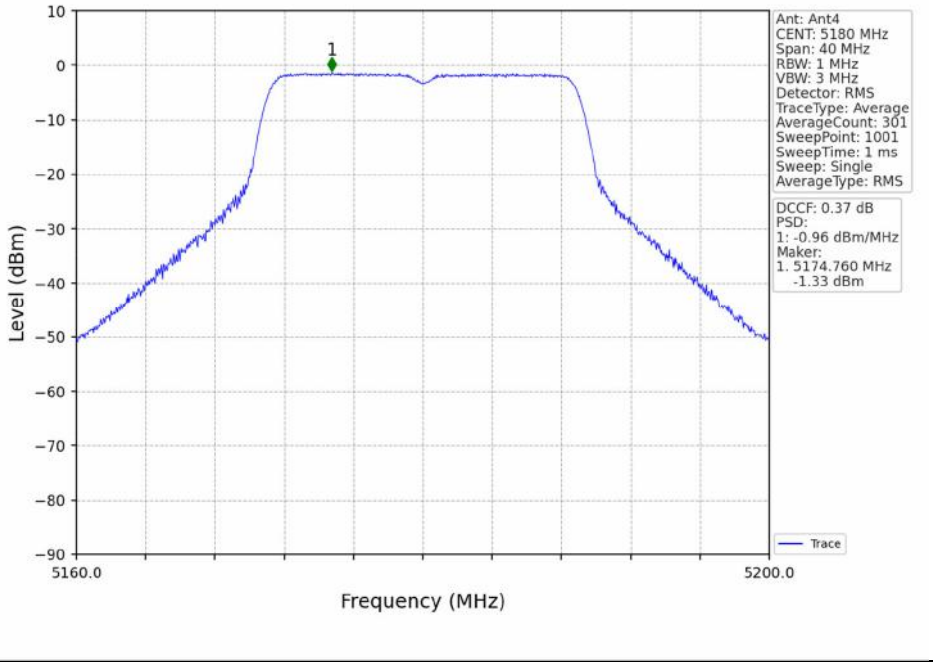
802.11a_HCH_5240MHz_Ant4_NTNV



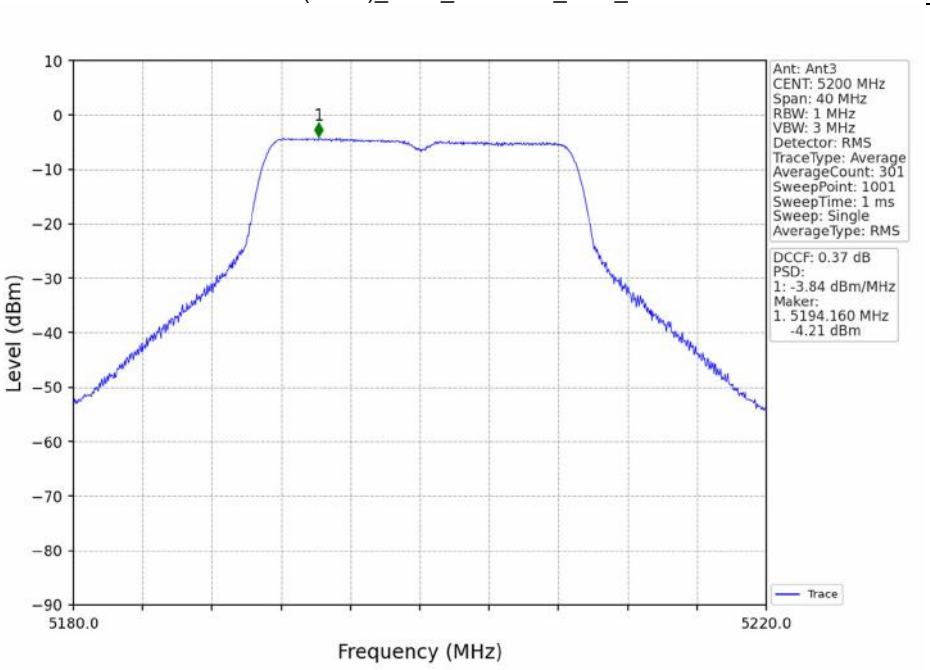
802.11n(HT20)_LCH_5180MHz_Ant3_NTNV



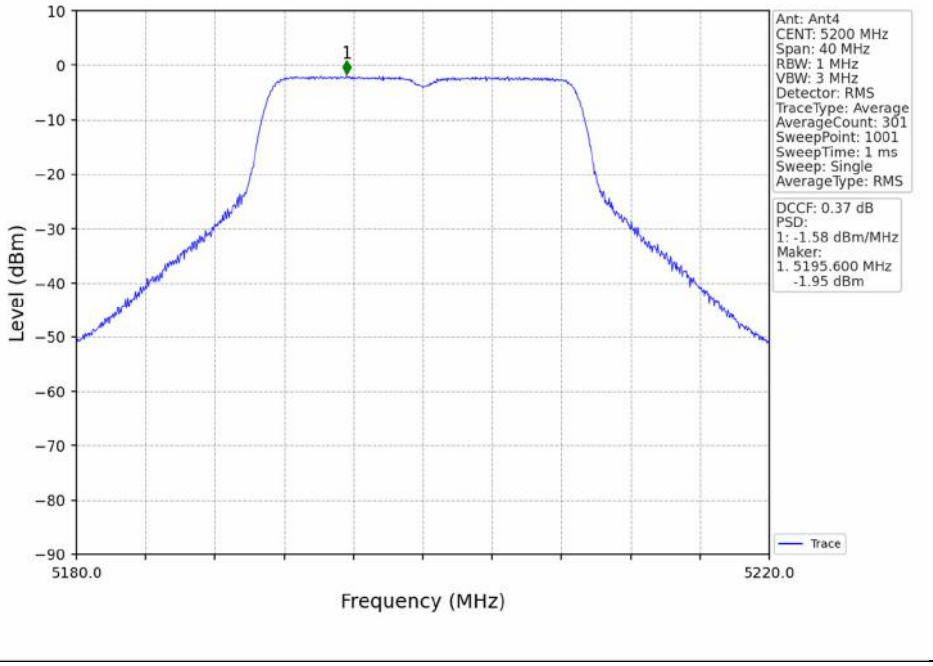
802.11n(HT20)_LCH_5180MHz_Ant4_NTNV



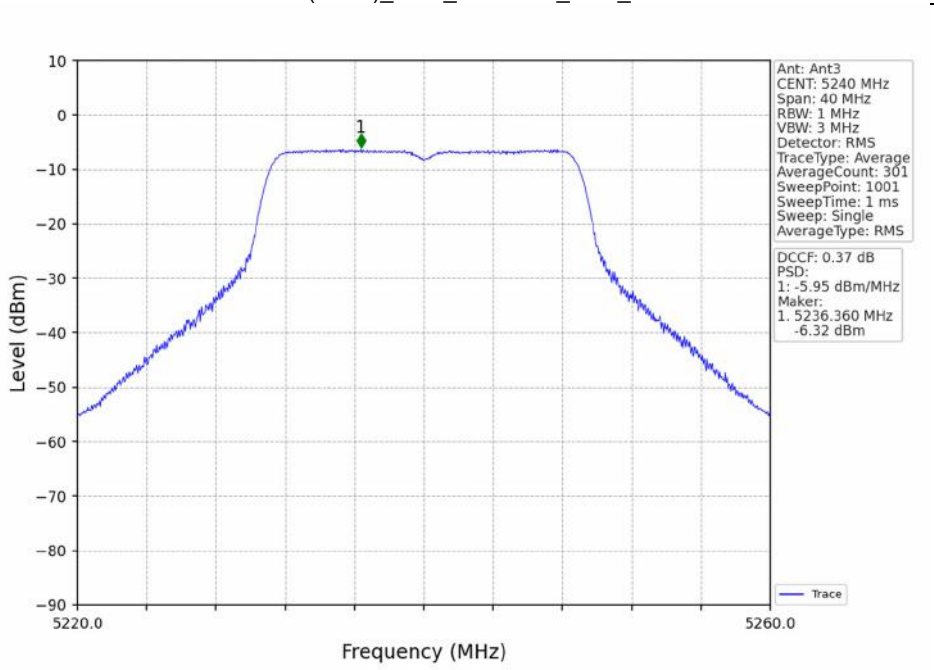
802.11n(HT20)_MCH_5200MHz_Ant3_NTNV



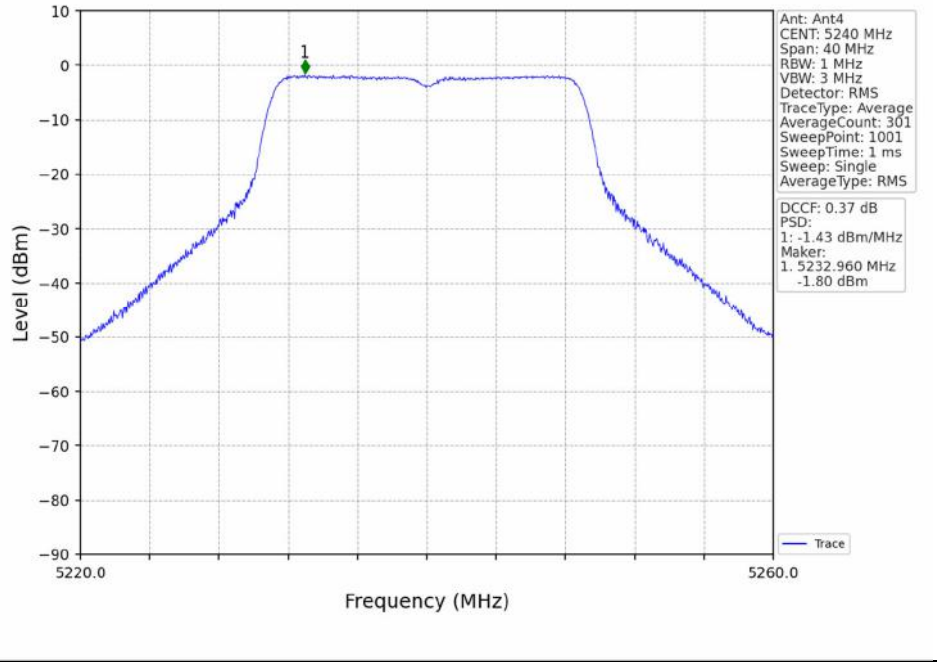
802.11n(HT20)_MCH_5200MHz_Ant4_NTNV



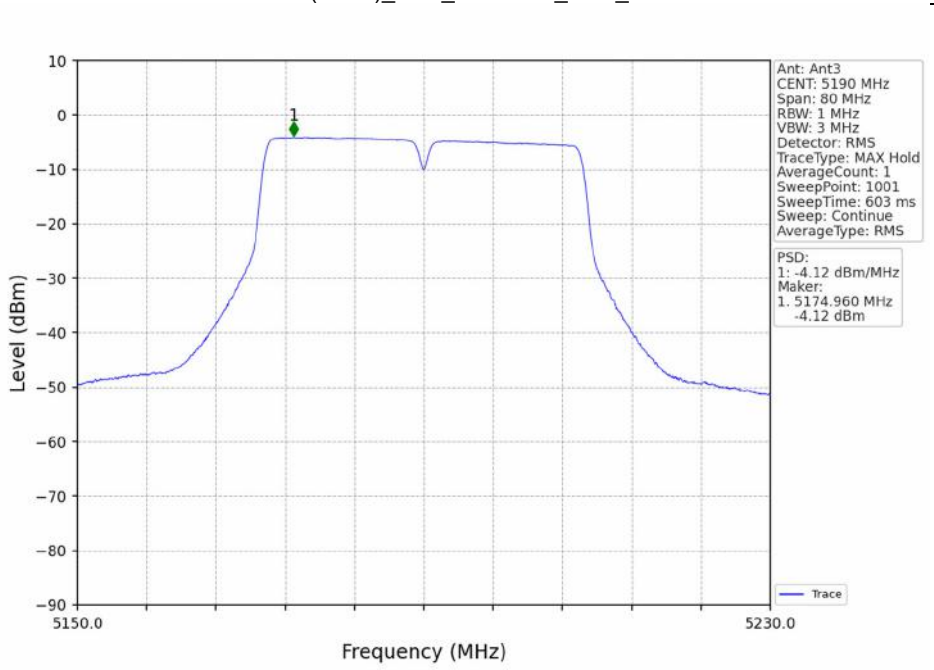
802.11n(HT20)_HCH_5240MHz_Ant3_NTNV



802.11n(HT20)_HCH_5240MHz_Ant4_NTNV



802.11n(HT40)_LCH_5190MHz_Ant3_NTNV



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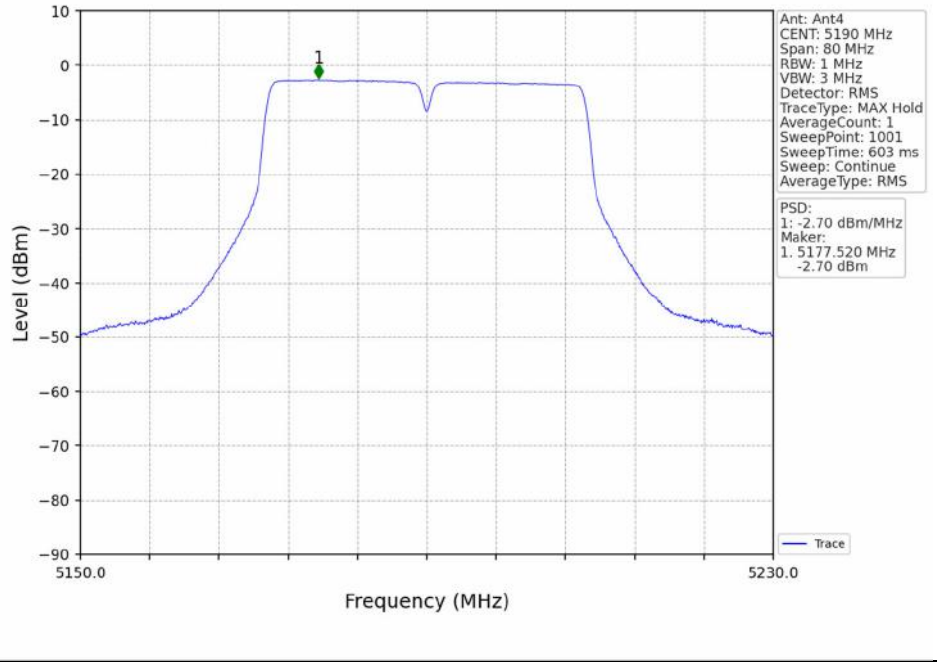
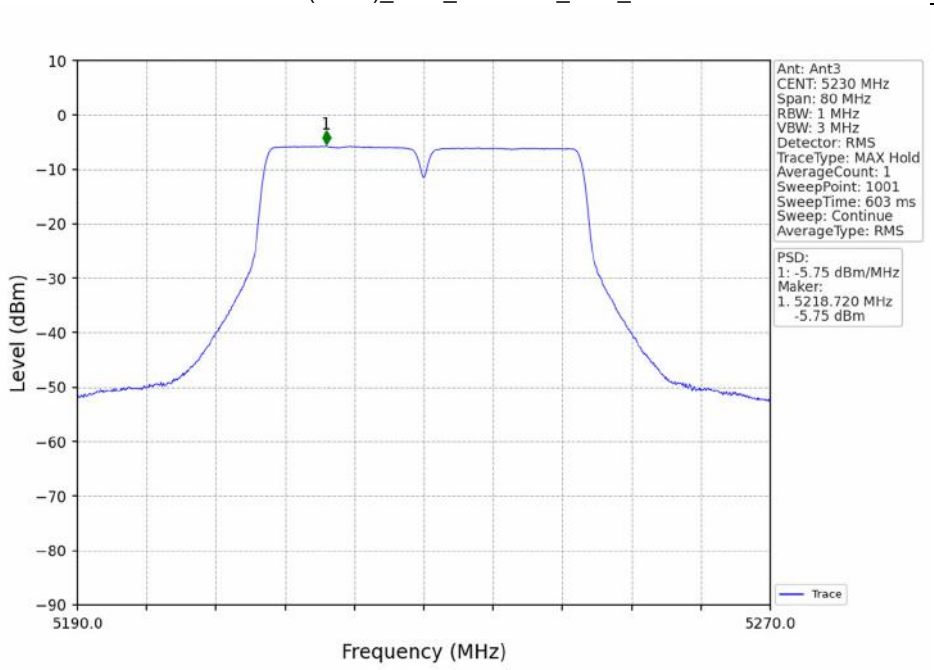
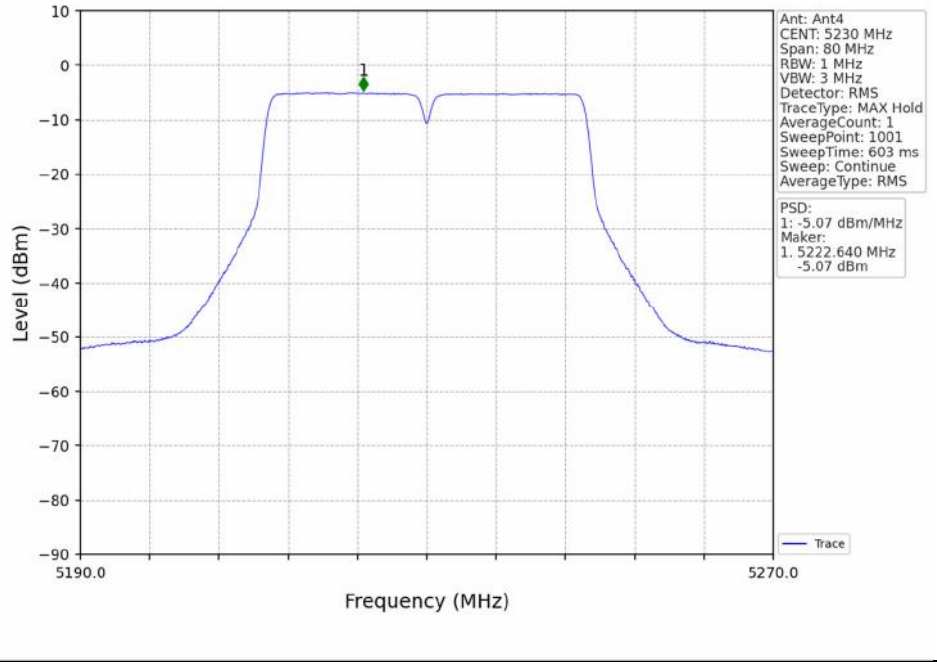


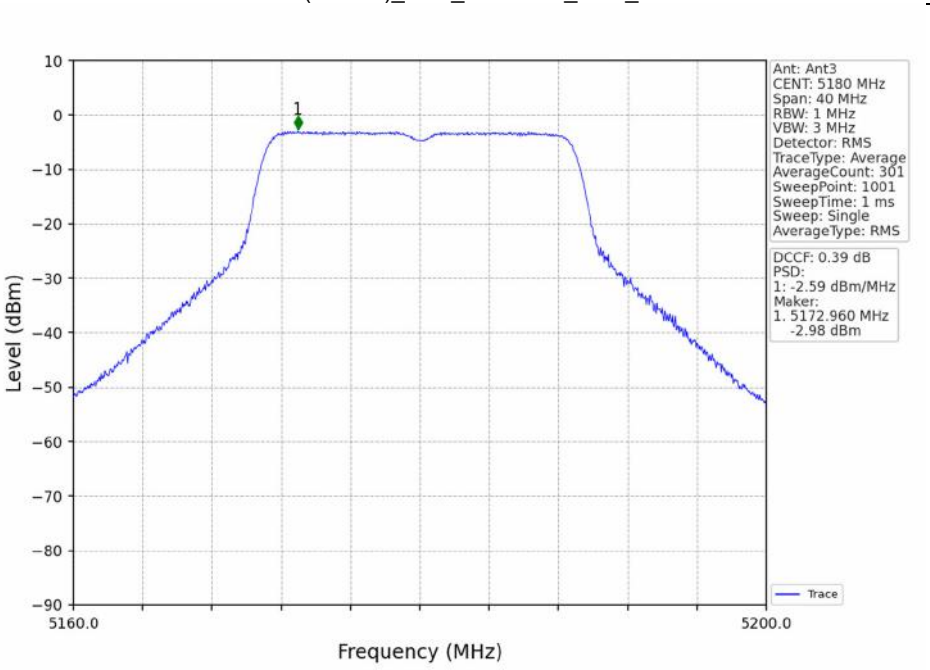
802.11n(HT40)_HCH_5230MHz_Ant3_NTNV



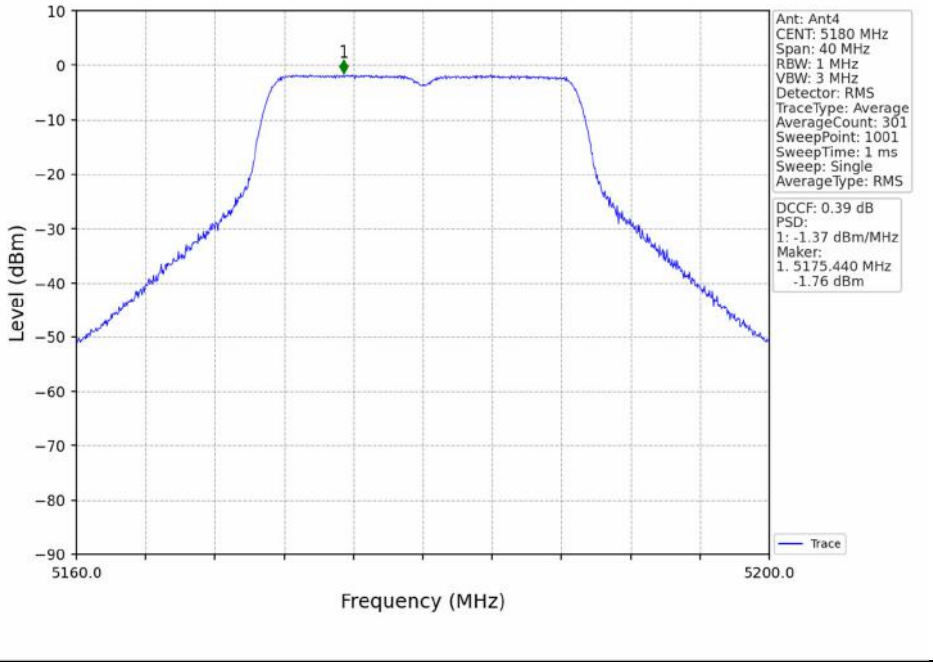
802.11n(HT40)_HCH_5230MHz_Ant4_NTNV



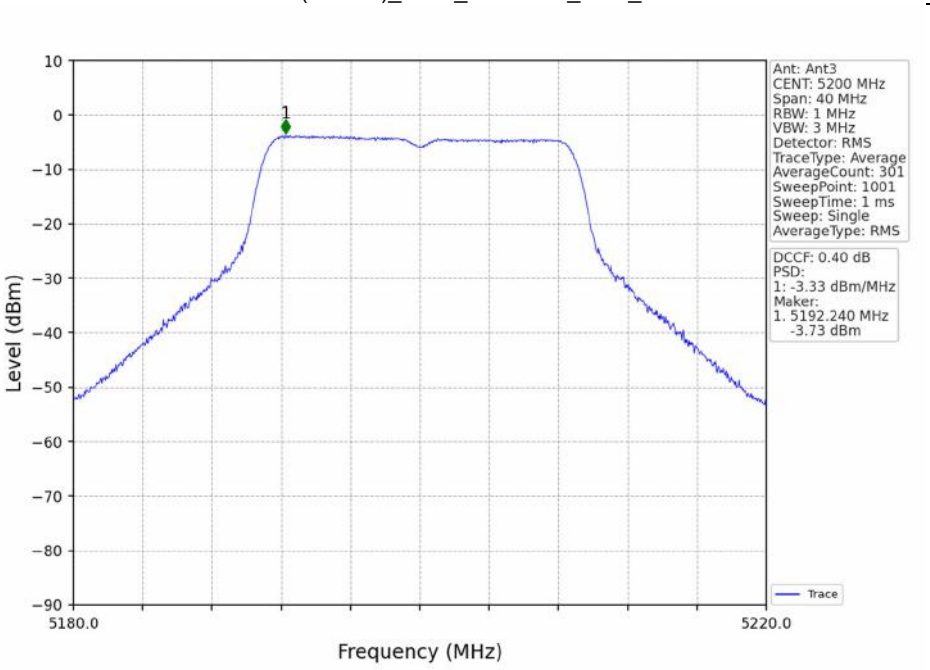
802.11ac(VHT20)_LCH_5180MHz_Ant3_NTNV



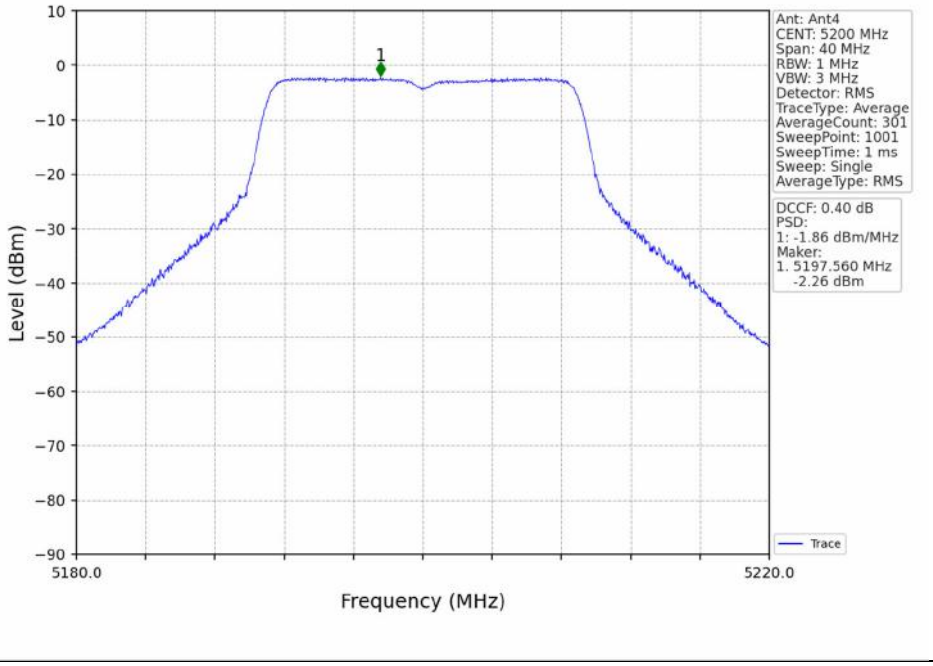
802.11ac(VHT20)_LCH_5180MHz_Ant4_NTNV



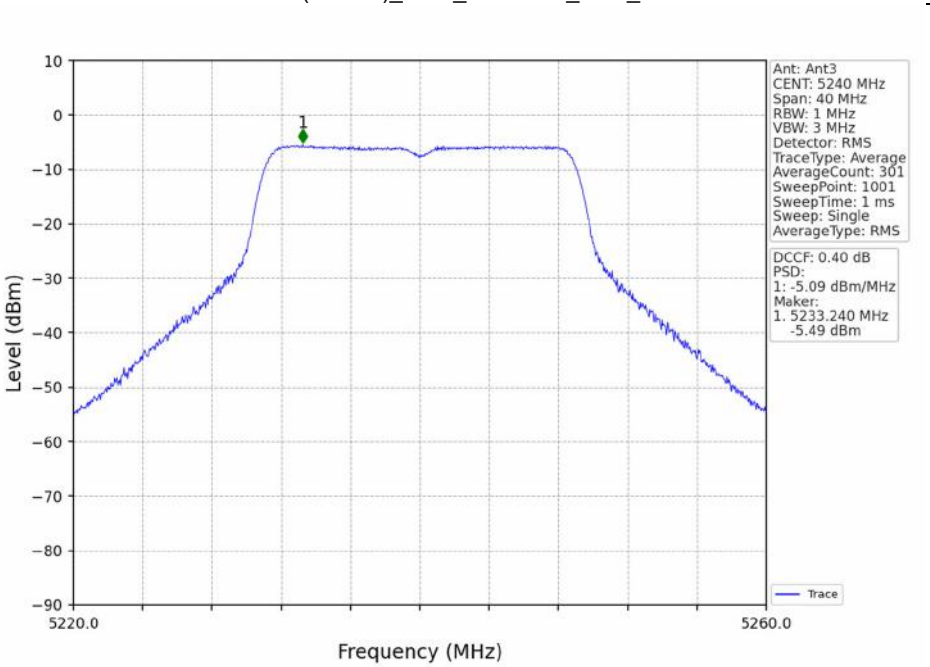
802.11ac(VHT20)_MCH_5200MHz_Ant3_NTNV



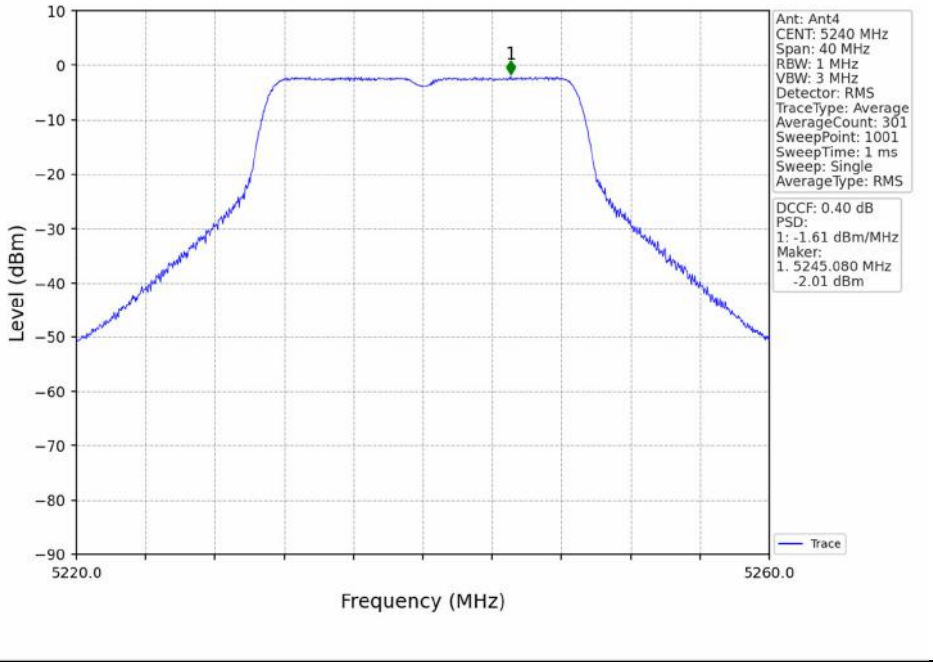
802.11ac(VHT20)_MCH_5200MHz_Ant4_NTNV



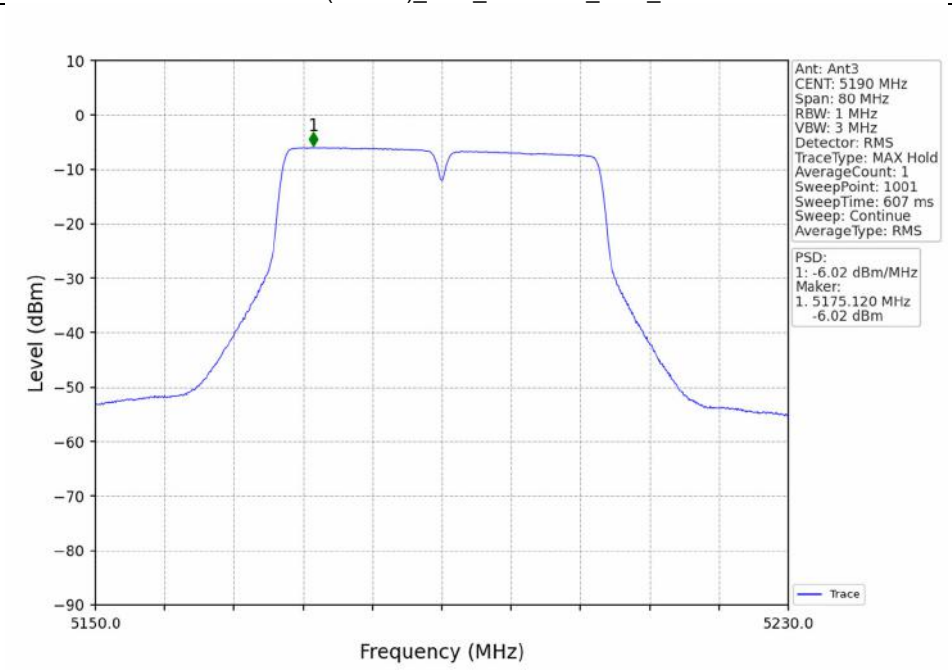
802.11ac(VHT20)_HCH_5240MHz_Ant3_NTNV



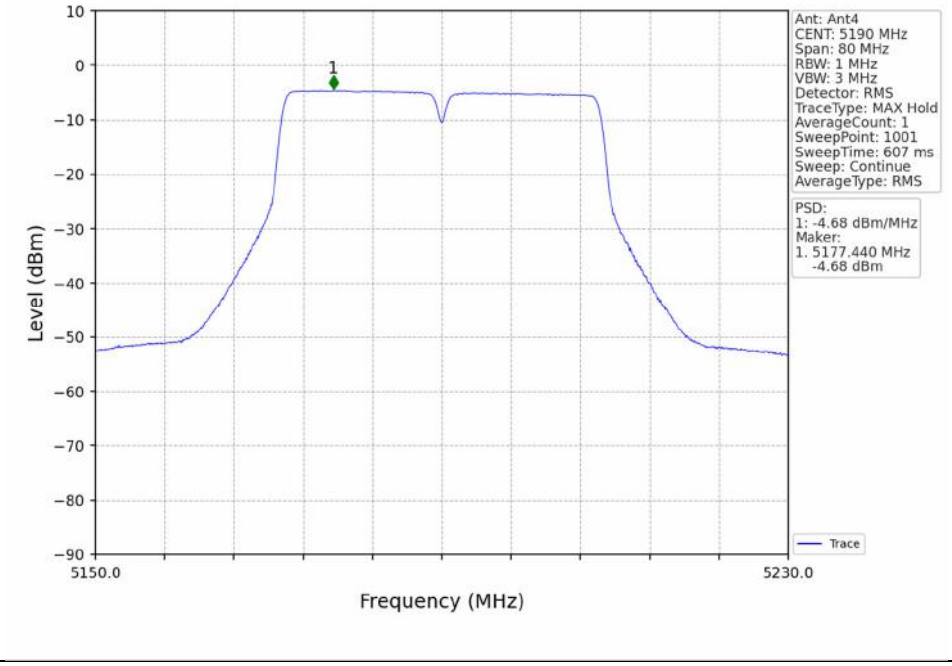
802.11ac(VHT20)_HCH_5240MHz_Ant4_NTNV



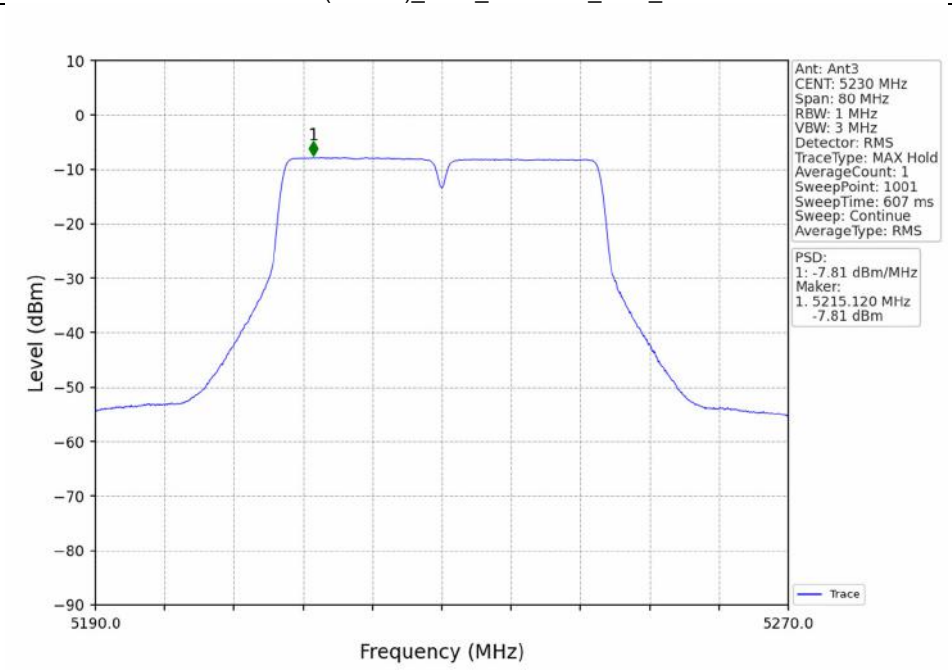
802.11ac(VHT40)_LCH_5190MHz_Ant3_NTNV



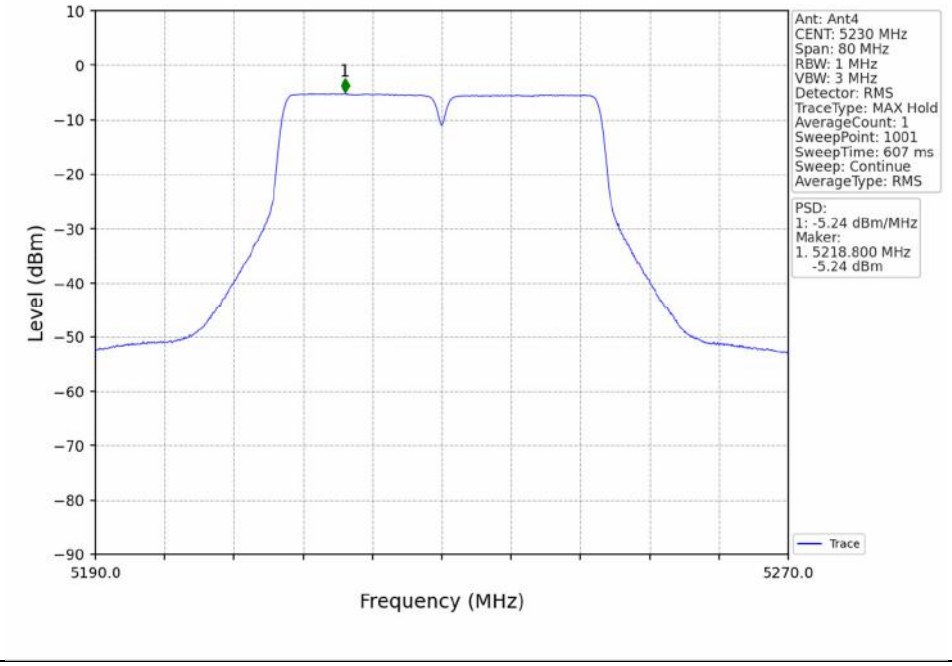
802.11ac(VHT40)_LCH_5190MHz_Ant4_NTNV



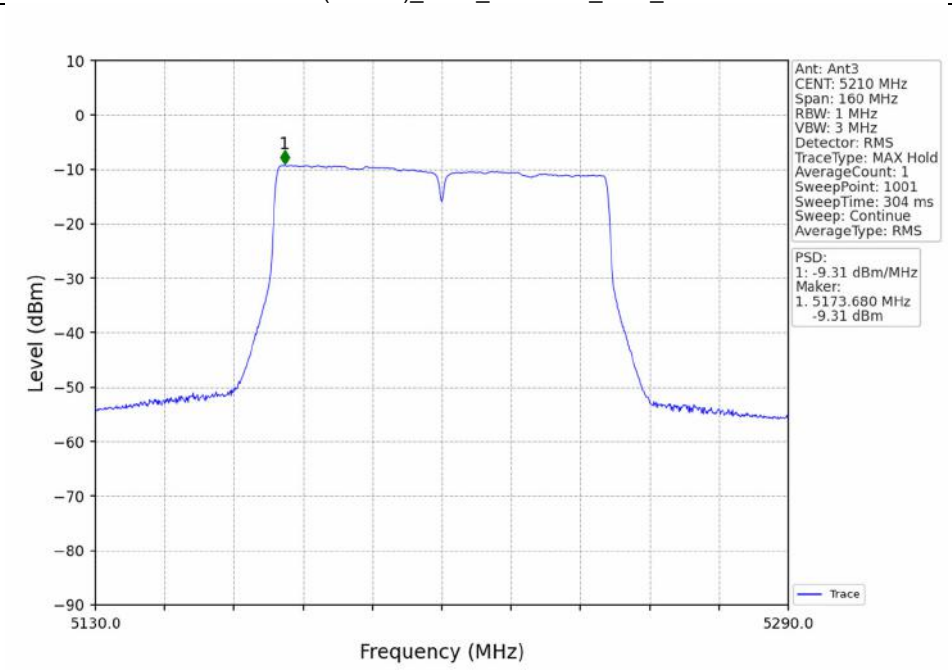
802.11ac(VHT40)_HCH_5230MHz_Ant3_NTNV



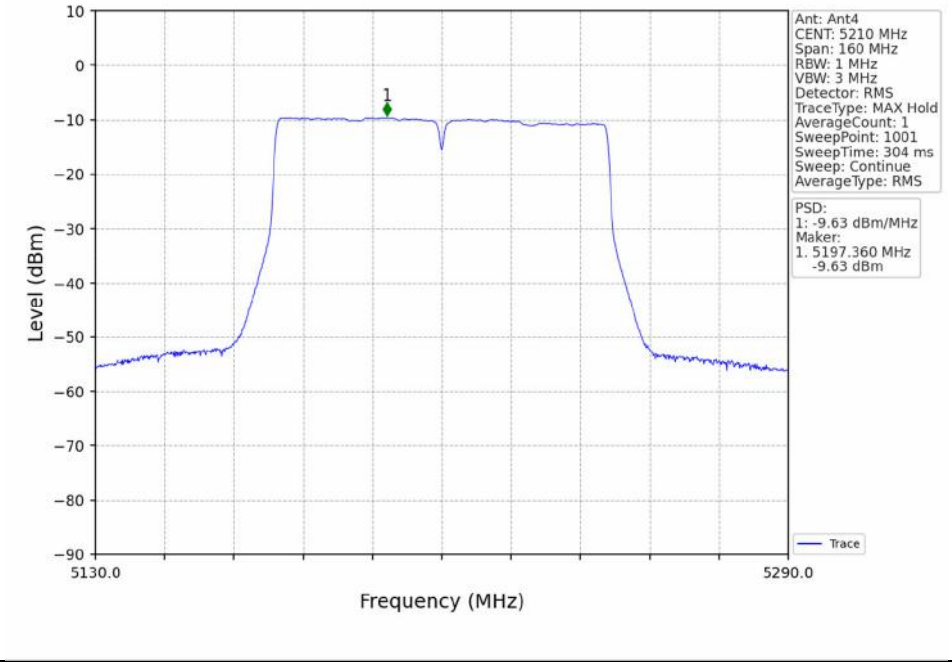
802.11ac(VHT40)_HCH_5230MHz_Ant4_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant3_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant4_NTNV



4.1.3 PSD (WiFi Module 1 + WiFi Module 2)

4.1.3.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			Module 1	Module 2	MIMO	Limit	
802.11n (HT20)	SISO	5180	-0.85	1.94	3.78	<=11	Pass
		5200	-1.29	0.45	2.68	<=11	Pass
		5240	-1.55	-0.12	2.23	<=11	Pass
802.11n (HT40)	SISO	5190	-3.96	-0.34	1.23	<=11	Pass
		5230	-4.66	-2.39	-0.37	<=11	Pass
802.11ac (VHT20)	SISO	5180	2.26	1.07	4.72	<=11	Pass
		5200	1.41	0.48	3.98	<=11	Pass
		5240	-1.26	0.00	2.43	<=11	Pass
802.11ac (VHT40)	SISO	5190	-1.55	-2.29	1.11	<=11	Pass
		5230	-4.46	-3.33	-0.85	<=11	Pass
802.11ac (VHT80)	SISO	5210	-2.91	-6.46	-1.32	<=11	Pass
Note1: Antenna Gain: WiFi Module 1: 2.00dBi; WiFi Module 1: 2.00dBi; Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain=2.00dBi)							

4.2.1 PSD-Band 3 (WiFi Module 1)

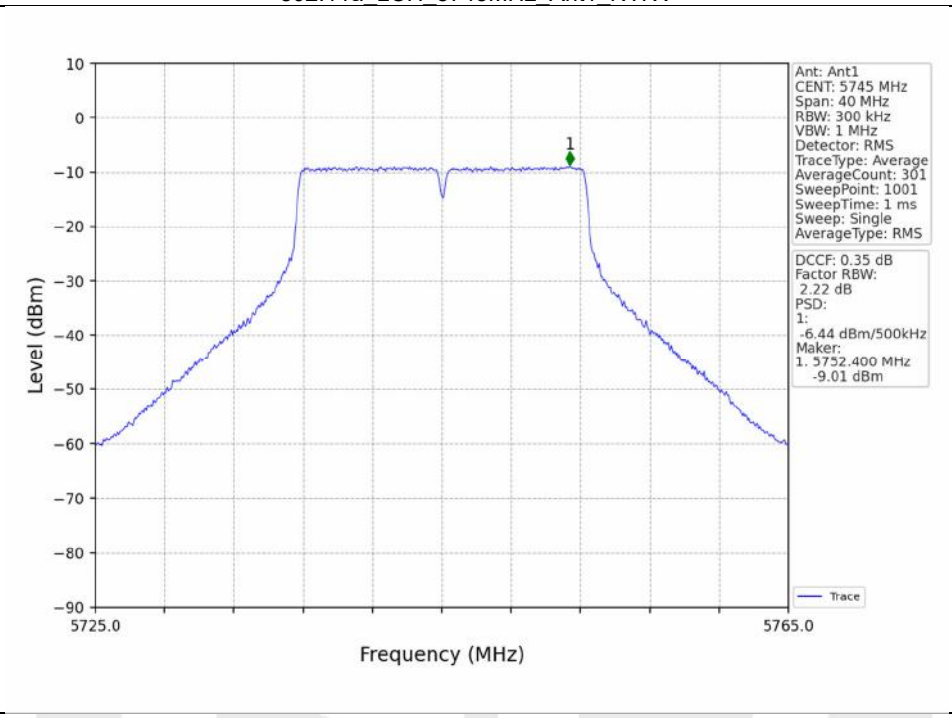
4.2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)			Verdict
			ANT1	ANT2	Limit	
802.11a	SISO	5745	-6.44	-6.94	<=30	Pass
		5785	-6.46	-6.75	<=30	Pass
		5825	-6.69	-7.22	<=30	Pass
802.11n (HT20)	SISO	5745	-6.08	-7.06	<=30	Pass
		5785	-6.03	-7.11	<=30	Pass
		5825	-5.80	-6.65	<=30	Pass
802.11n (HT40)	SISO	5755	-9.22	-9.22	<=30	Pass
		5795	-8.82	-6.15	<=30	Pass
802.11ac (VHT20)	SISO	5745	-5.99	-3.44	<=30	Pass
		5785	-5.99	-4.11	<=30	Pass
		5825	-5.99	-3.96	<=30	Pass
802.11ac (VHT40)	SISO	5755	-6.77	-3.43	<=30	Pass
		5795	-7.78	-8.51	<=30	Pass
802.11ac (VHT80)	SISO	5775	-8.96	-11.19	<=30	Pass
Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi;						

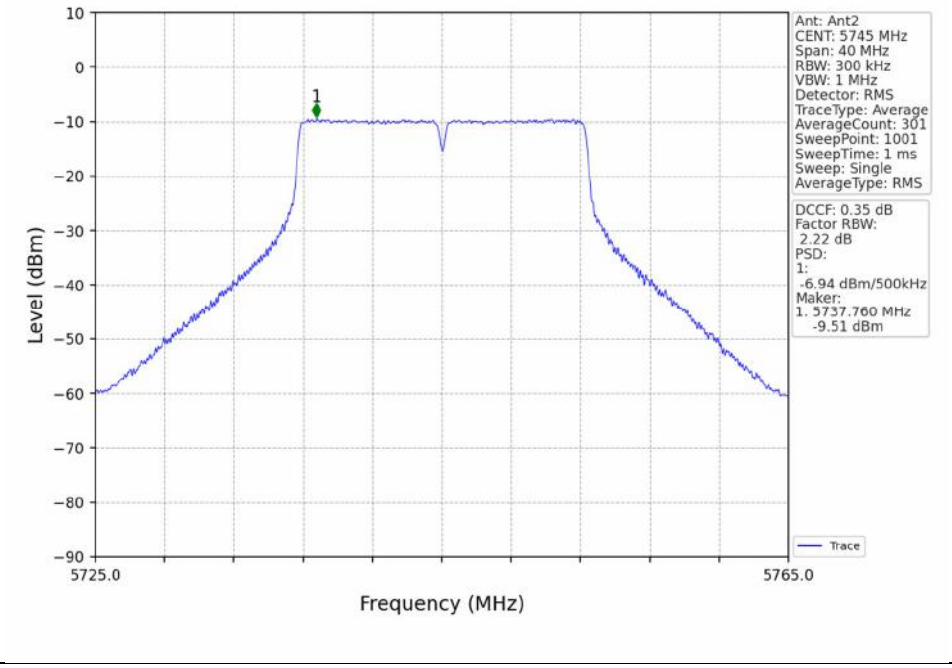
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11n (HT20)	SISO	5745	-6.08	-7.06	-3.53	<=30	Pass
		5785	-6.03	-7.11	-3.53	<=30	Pass
		5825	-5.80	-6.65	-3.19	<=30	Pass
802.11n (HT40)	SISO	5755	-9.22	-9.22	-6.21	<=30	Pass
		5795	-8.82	-6.15	-4.27	<=30	Pass
802.11ac (VHT20)	SISO	5745	-5.99	-3.44	-1.52	<=30	Pass
		5785	-5.99	-4.11	-1.94	<=30	Pass
		5825	-5.99	-3.96	-1.85	<=30	Pass
802.11ac (VHT40)	SISO	5755	-6.77	-3.43	-1.78	<=30	Pass
		5795	-7.78	-8.51	-5.12	<=30	Pass
802.11ac (VHT80)	SISO	5775	-8.96	-11.19	-6.92	<=30	Pass
Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi; Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain=2.00dBi)							

4.2.1.2 Test Graph

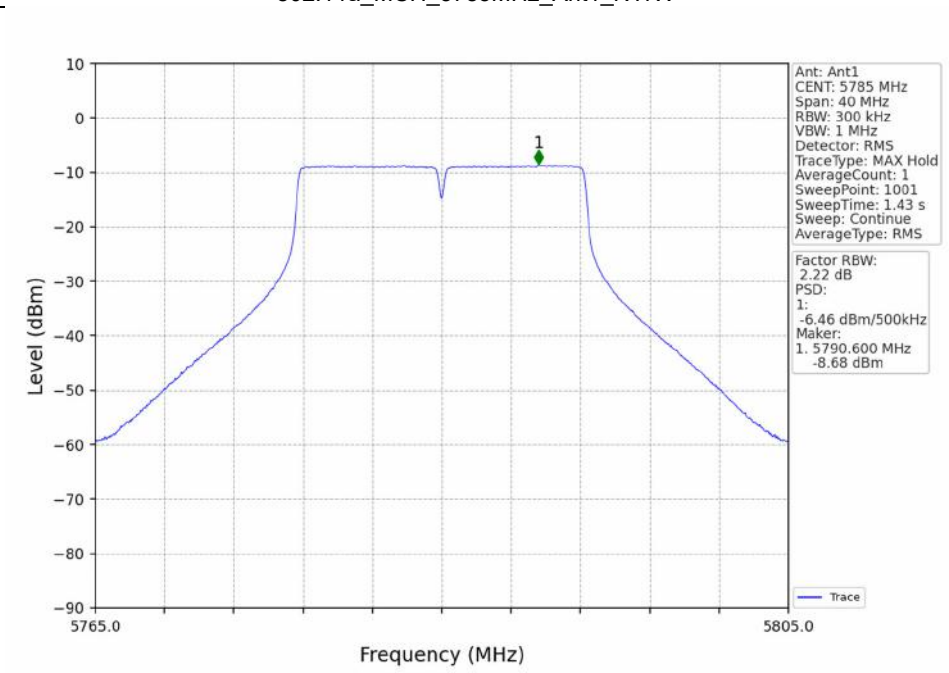
802.11a_LCH_5745MHz_Ant1_NTNV



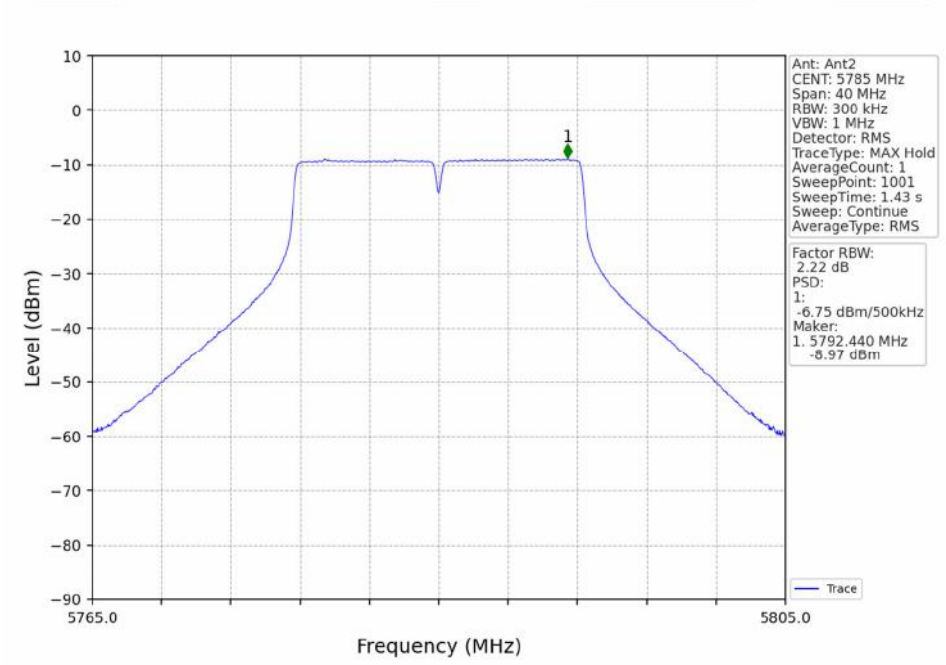
802.11a_LCH_5745MHz_Ant2_NTNV



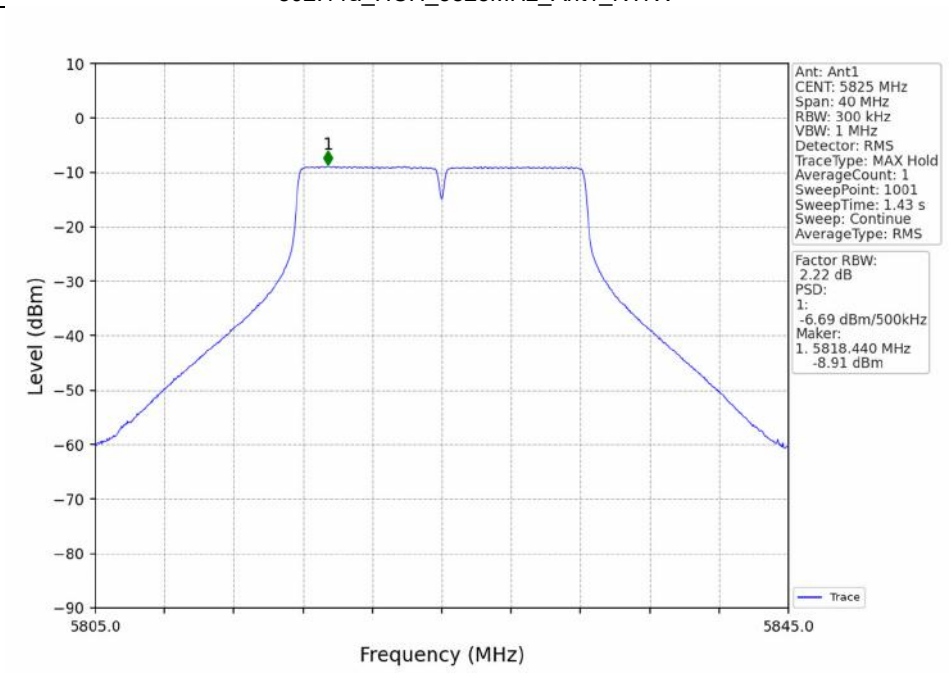
802.11a_MCH_5785MHz_Ant1_NTNV



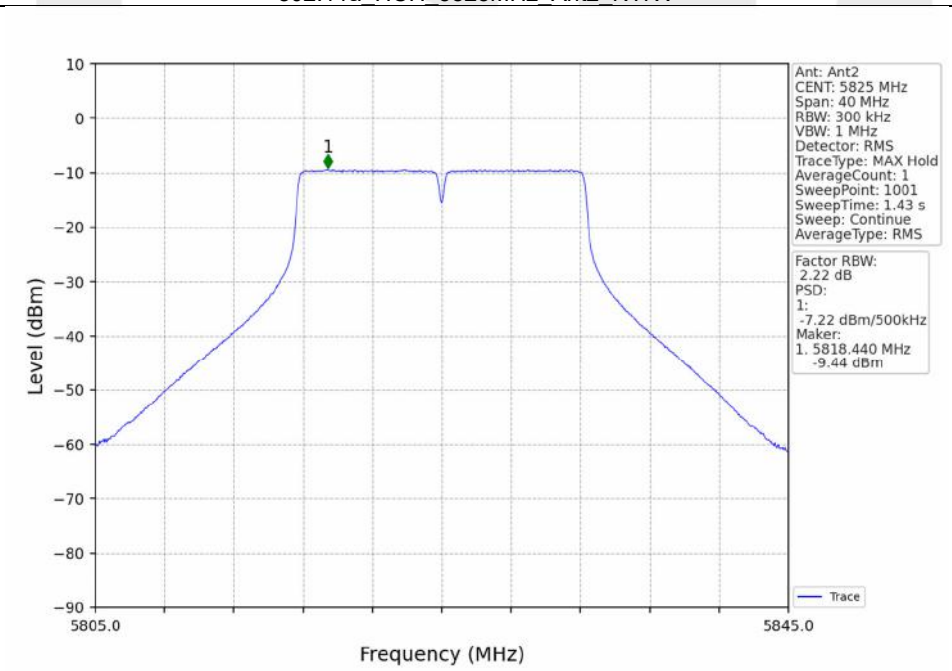
802.11a_MCH_5785MHz_Ant2_NTNV



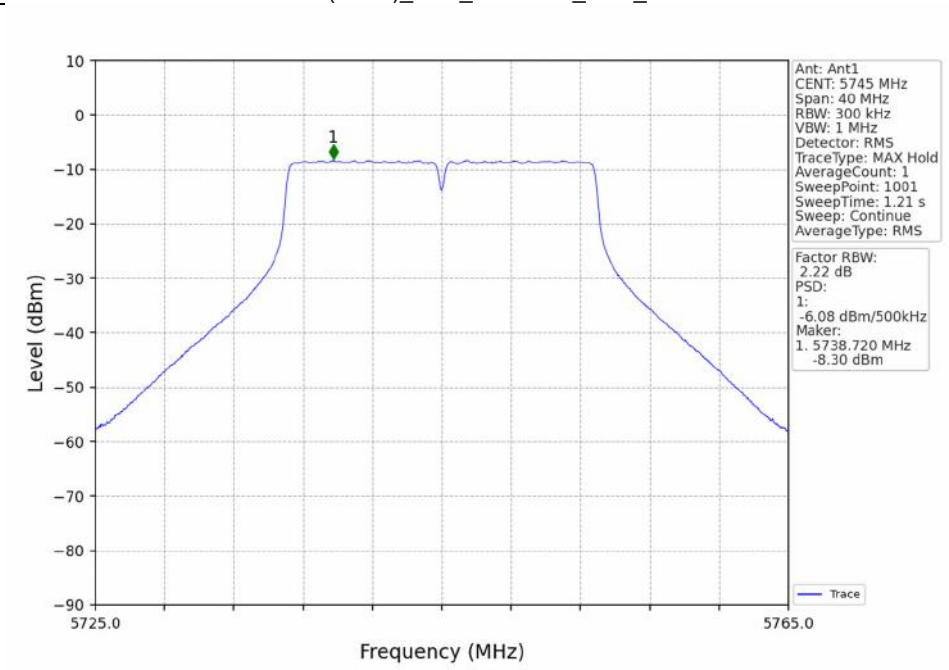
802.11a_HCH_5825MHz_Ant1_NTNV



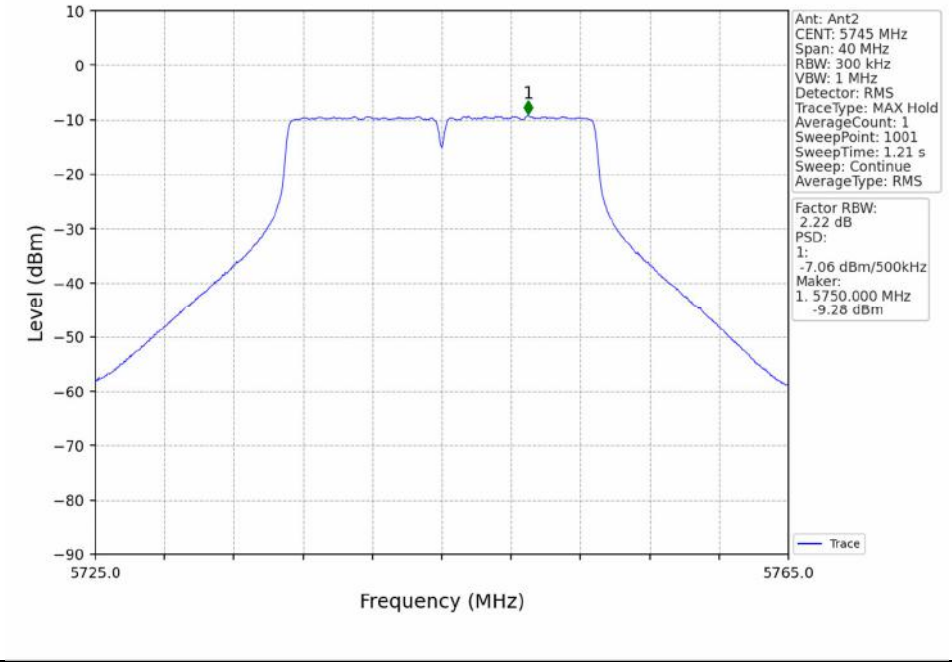
802.11a_HCH_5825MHz_Ant2_NTNV



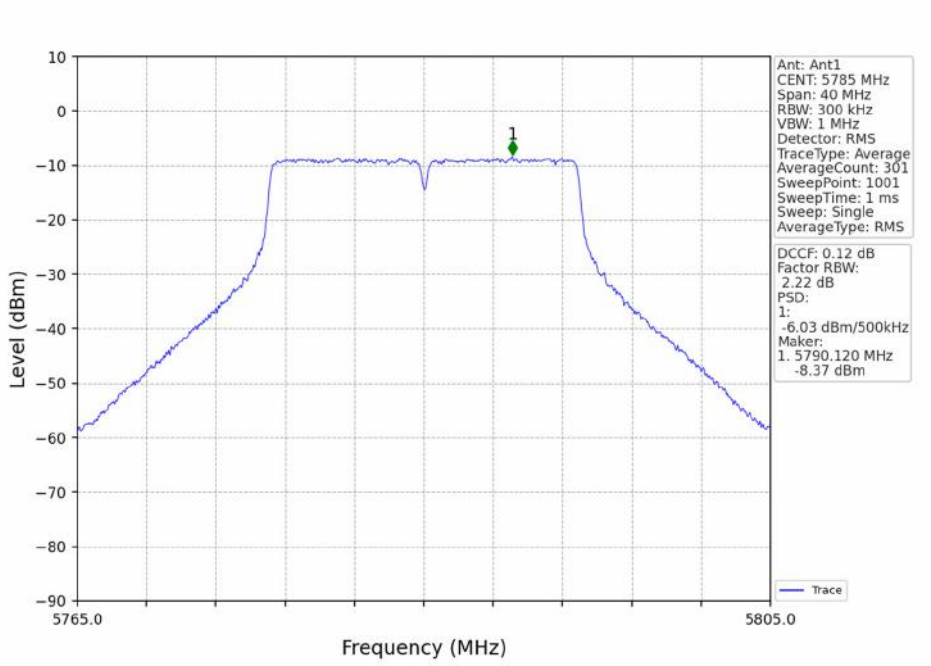
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



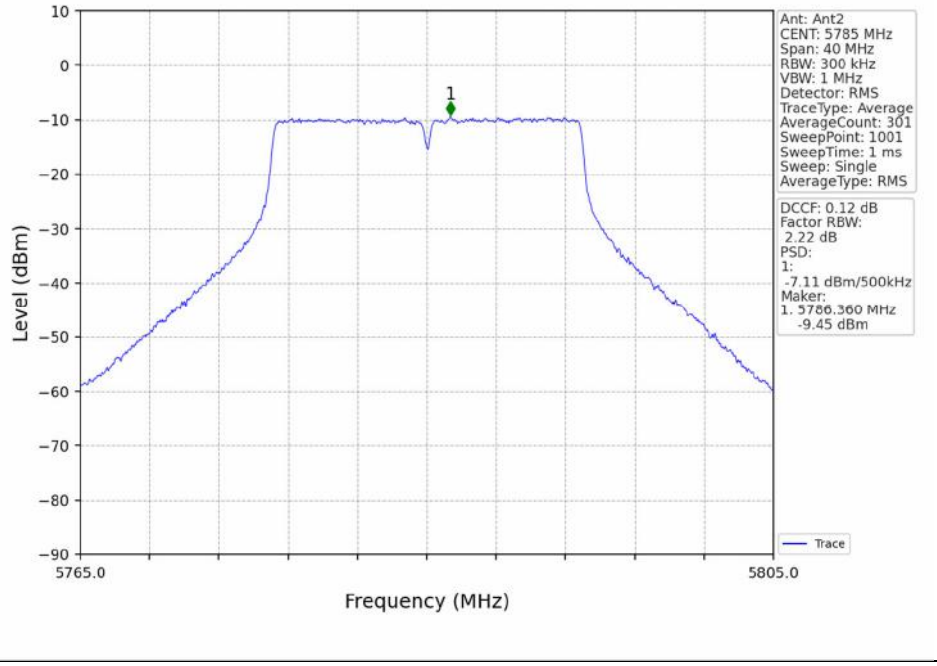
802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



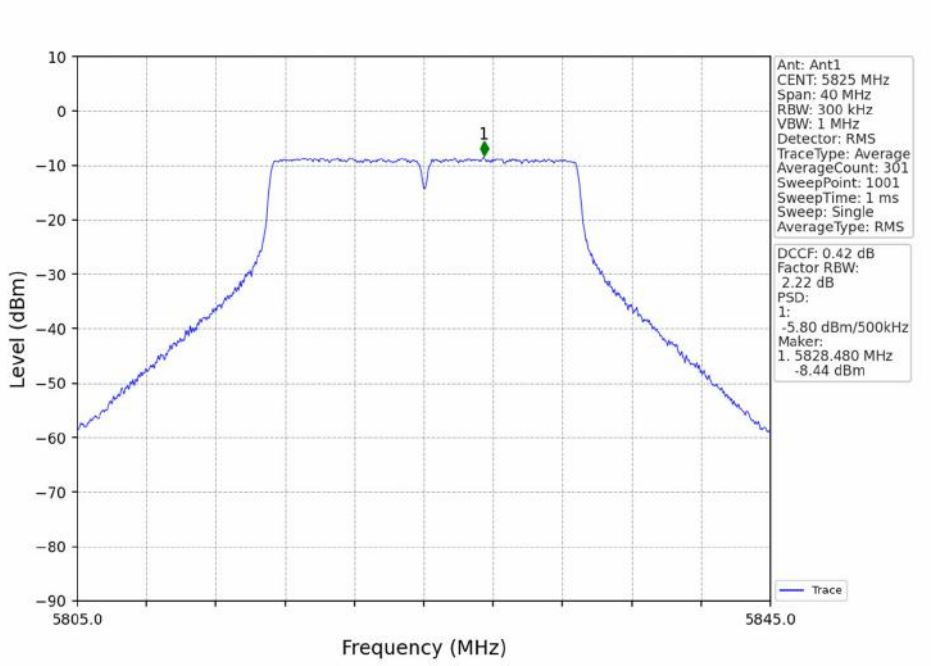
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



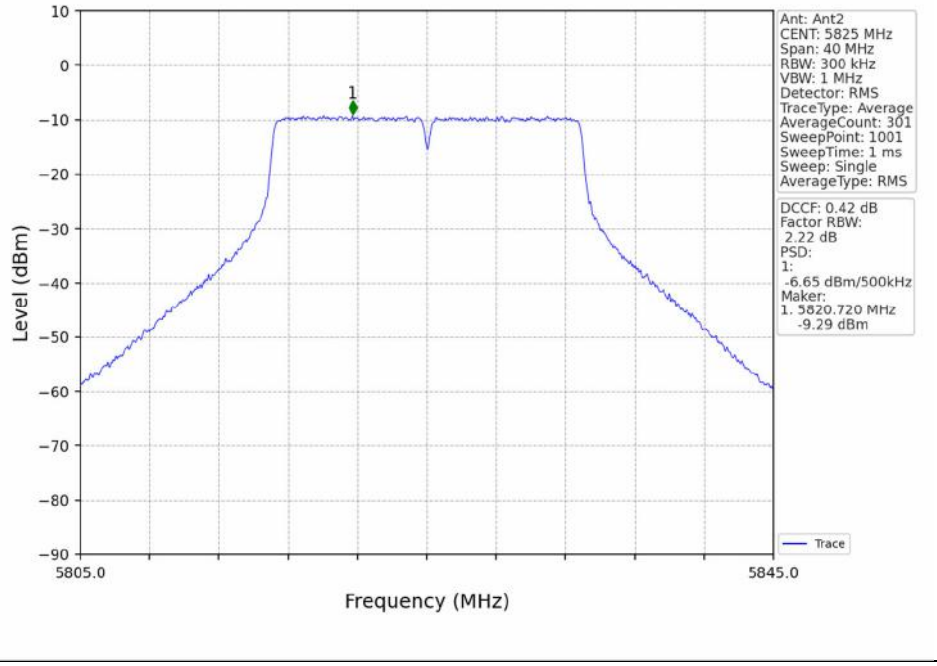
802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



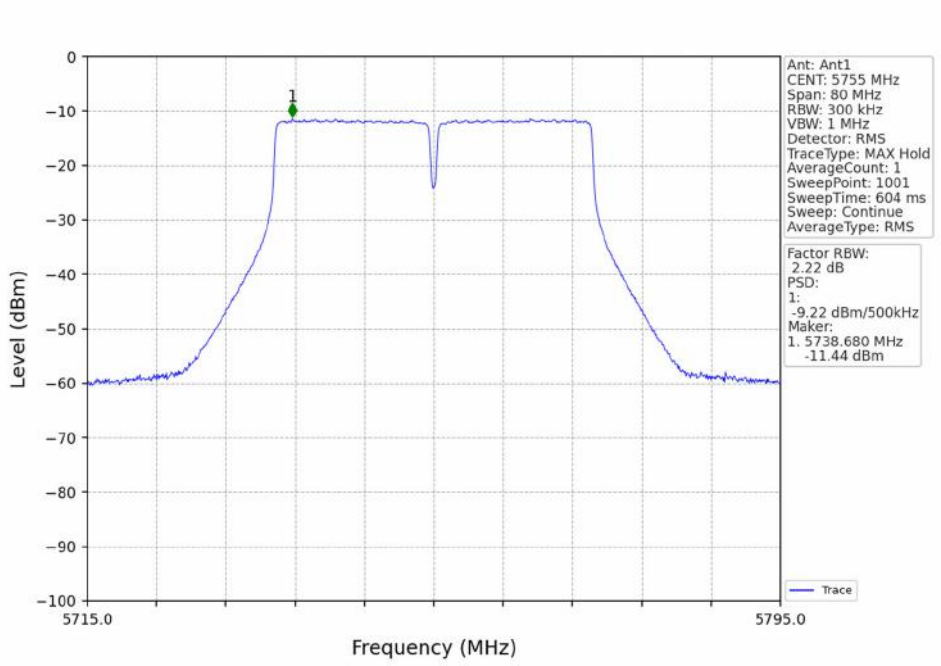
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



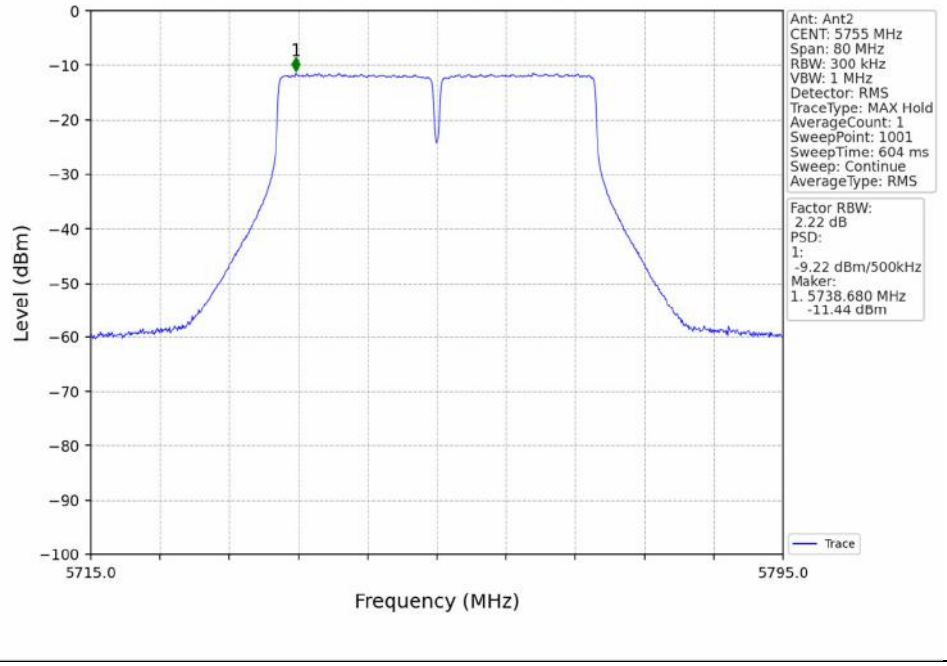
802.11n(HT20)_HCH_5825MHz_Ant2_NTNV



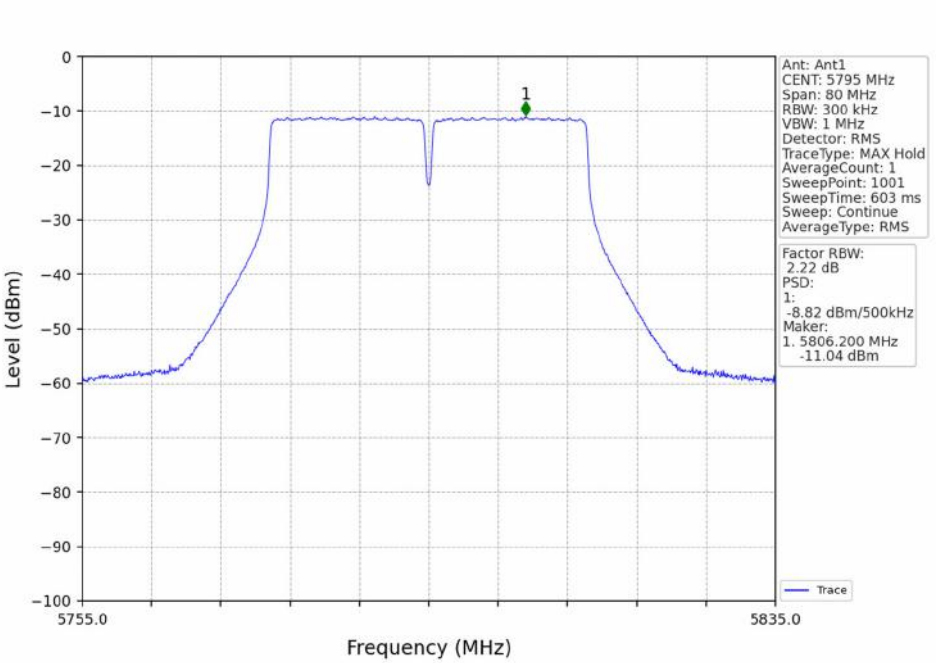
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



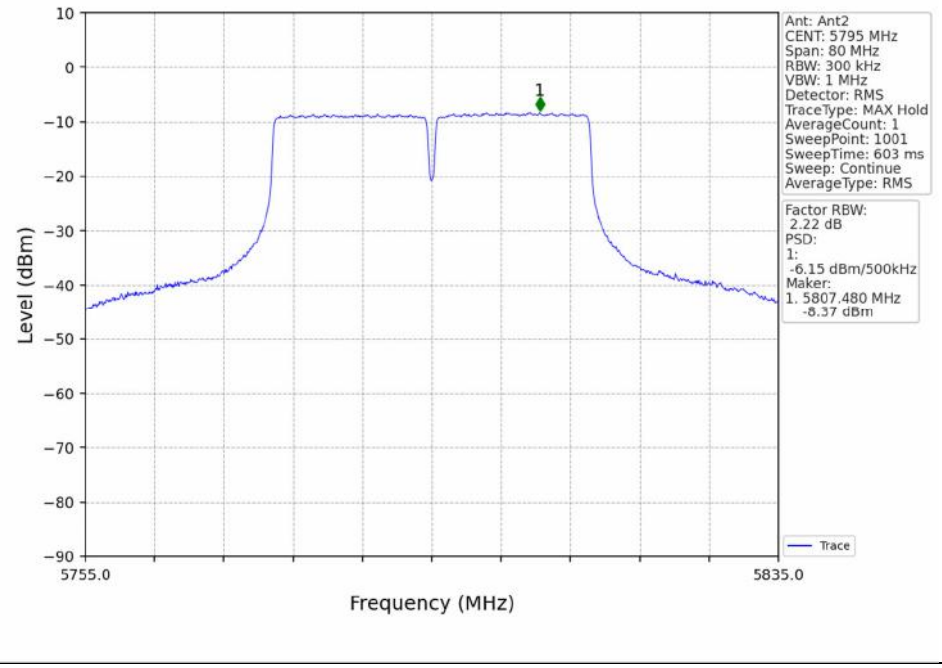
802.11n(HT40)_LCH_5755MHz_Ant2_NTNV



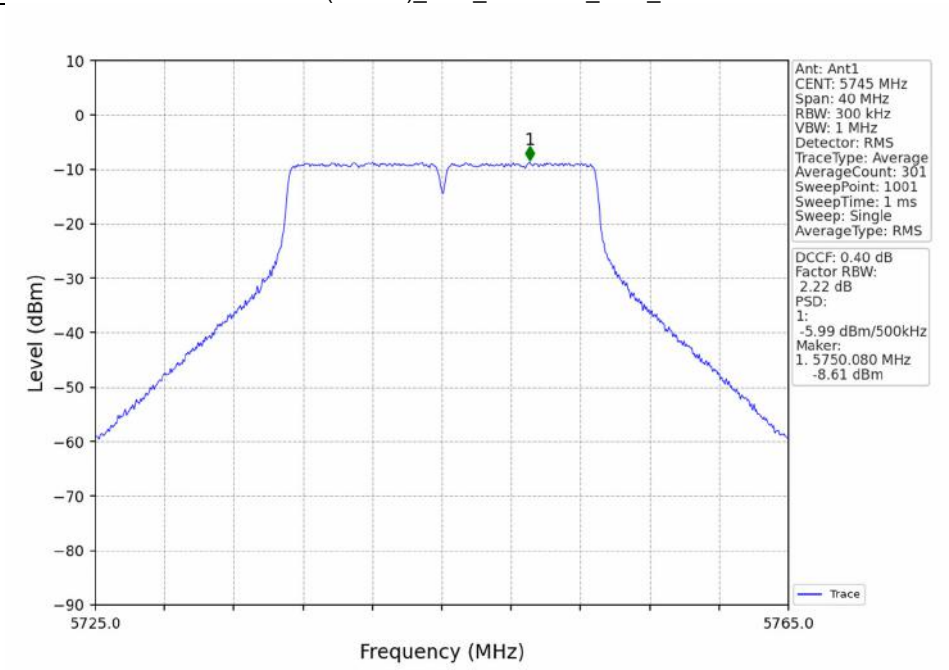
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



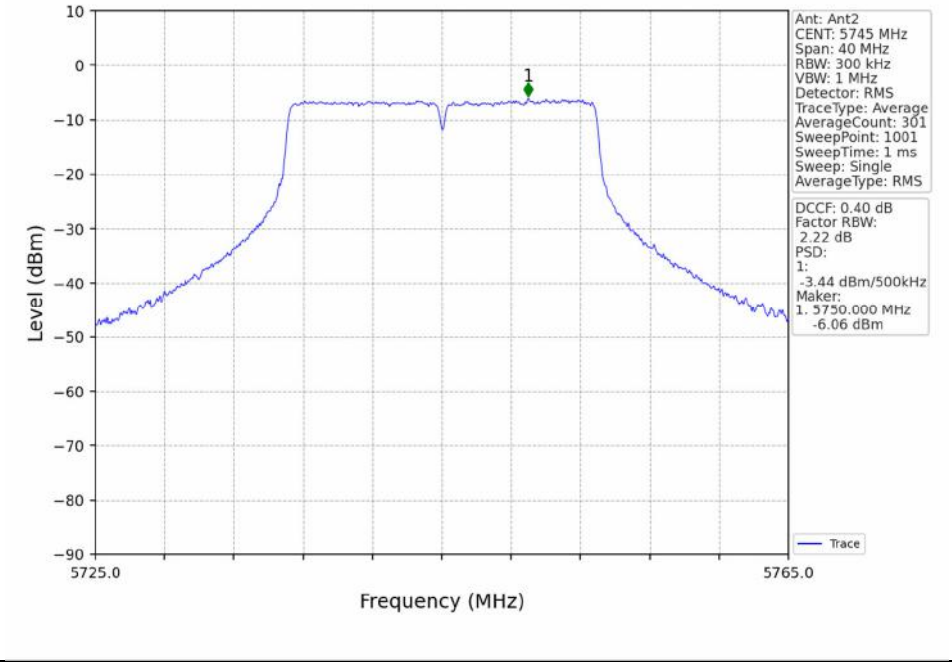
802.11n(HT40)_HCH_5795MHz_Ant2_NTNV



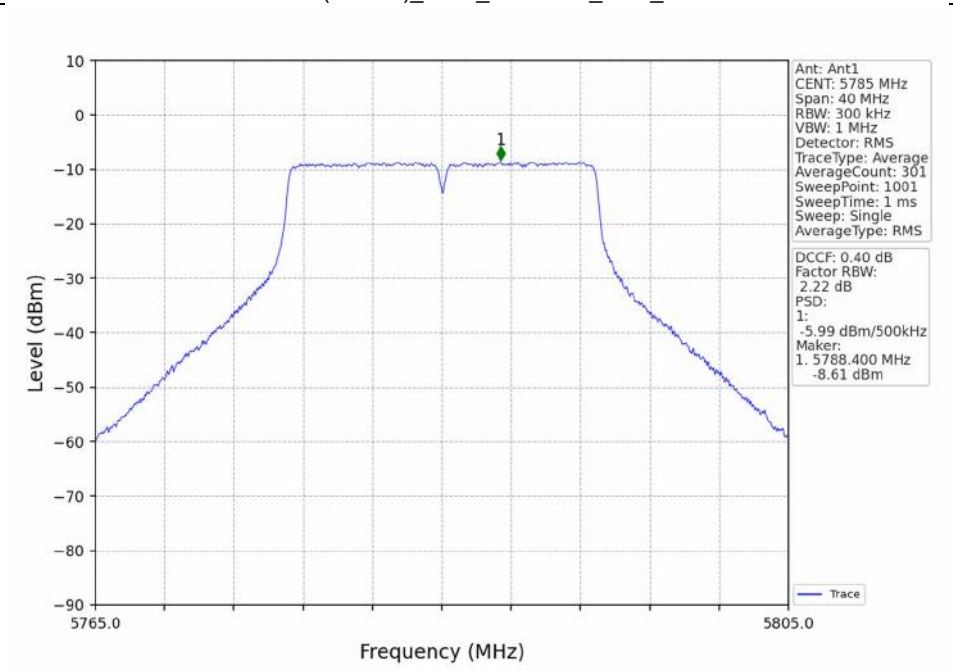
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



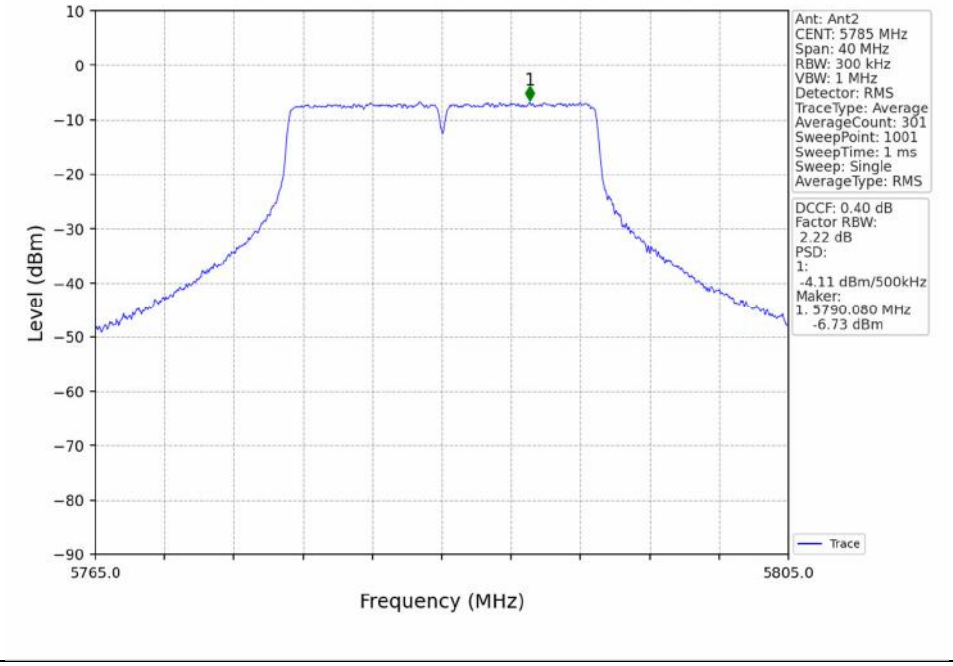
802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV



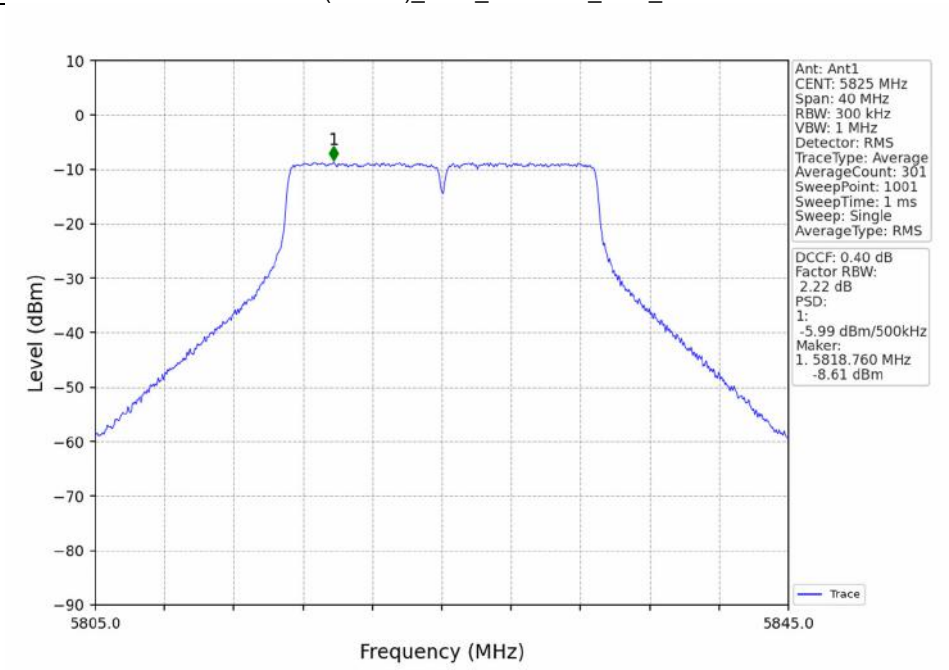
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



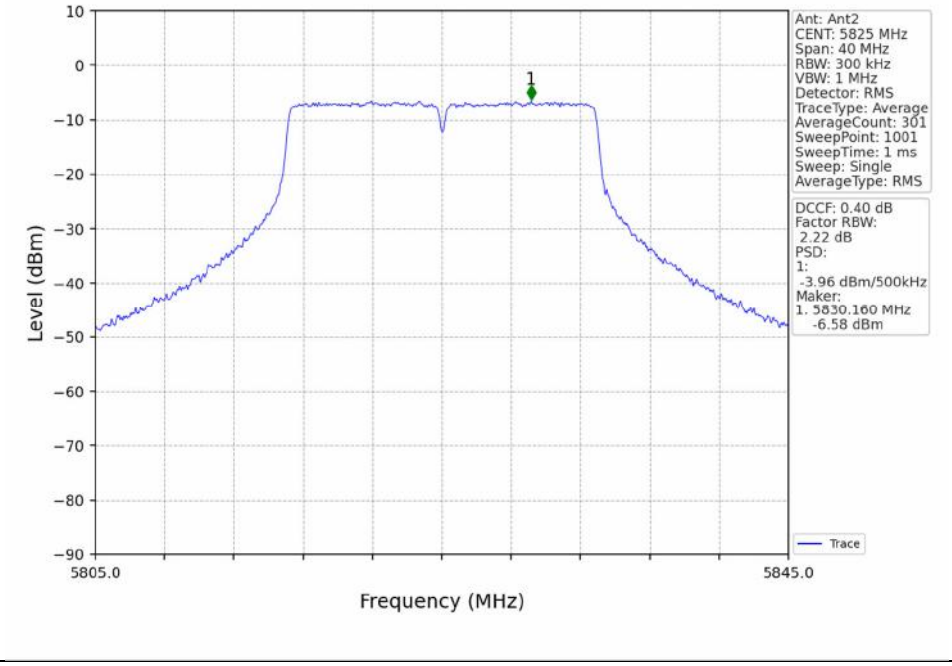
802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



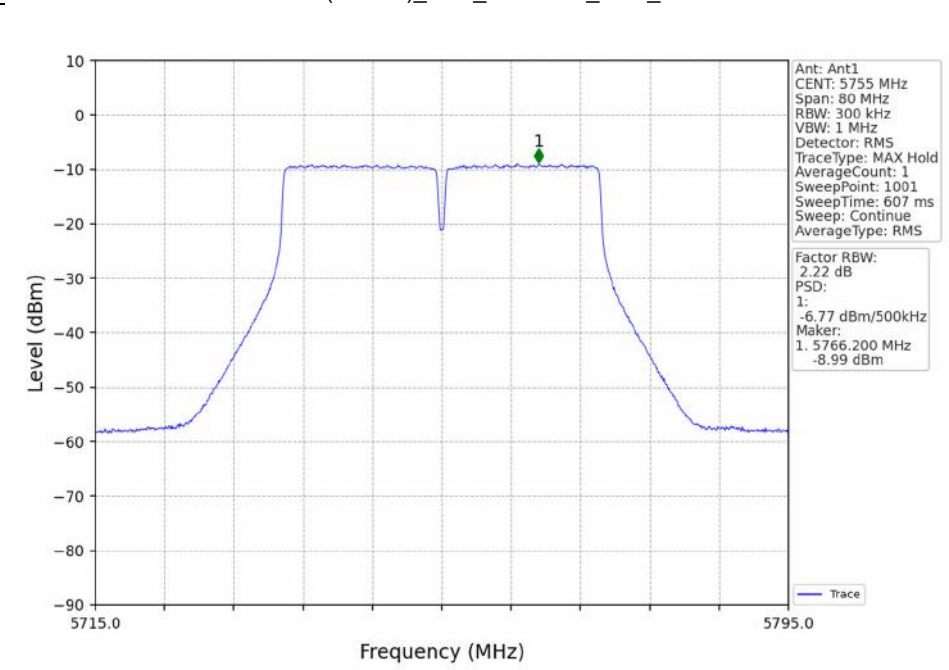
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



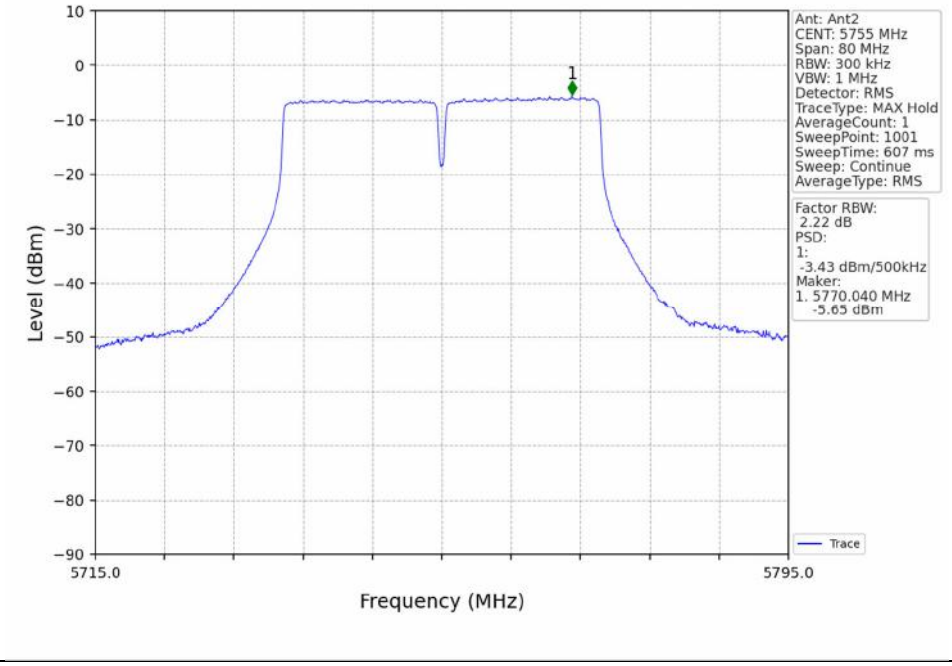
802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



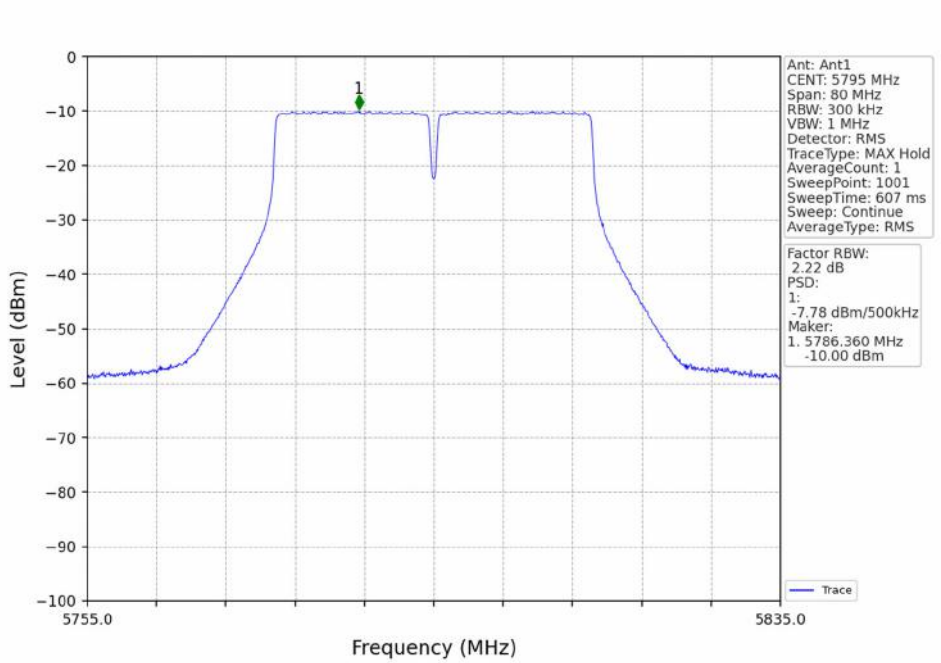
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



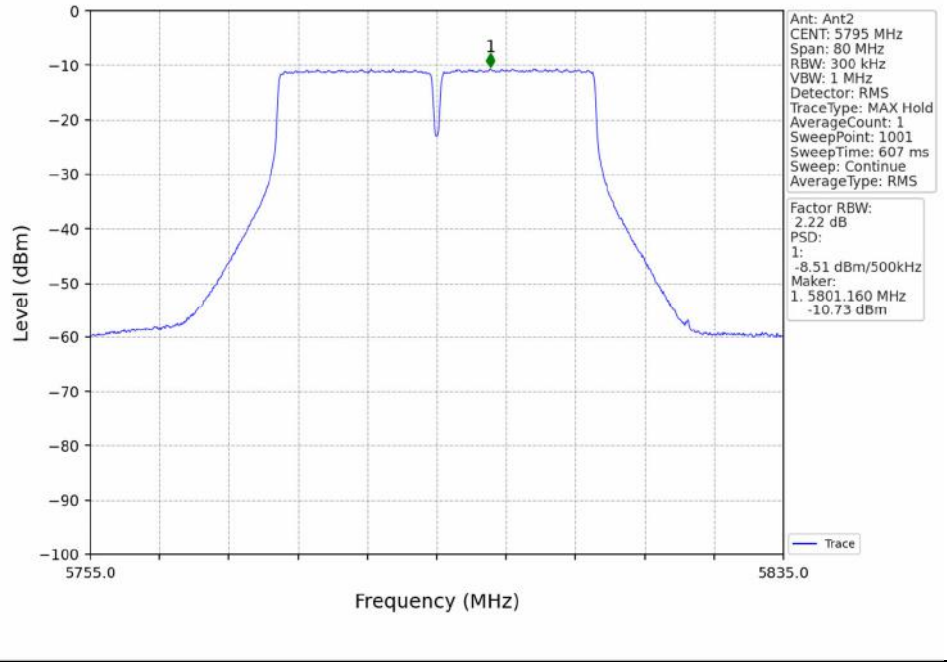
802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



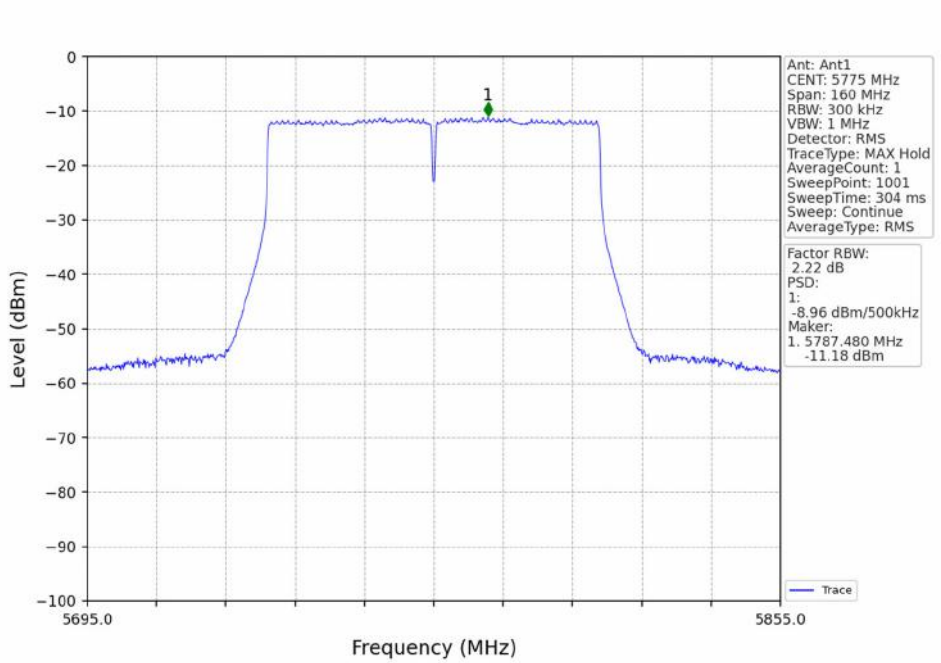
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



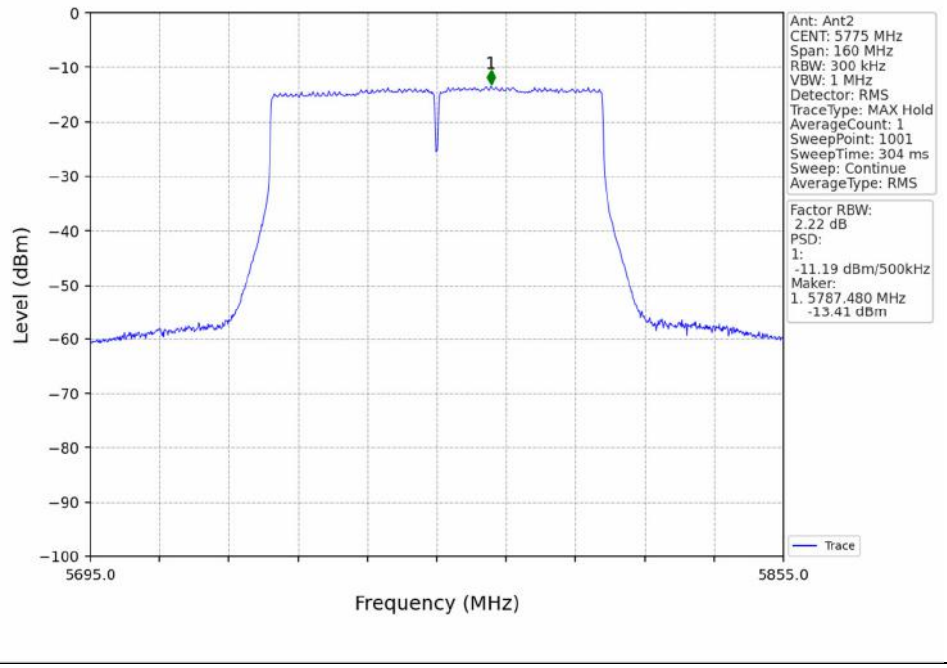
802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



4.2.2 PSD-Band 3 (WiFi Module 2)

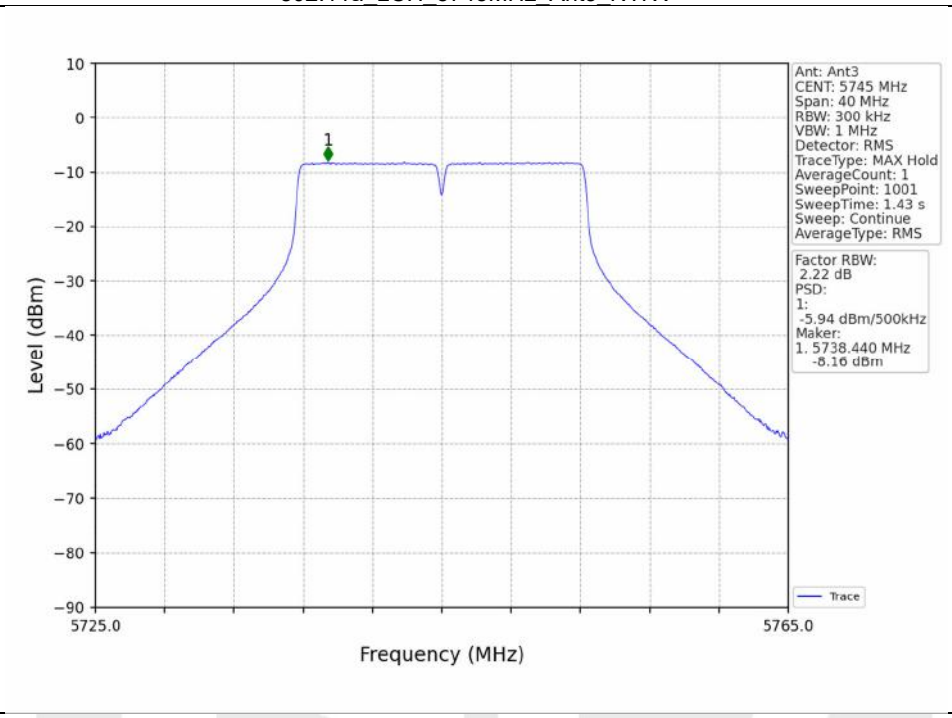
4.2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)			Verdict
			ANT1	ANT2	Limit	
802.11a	SISO	5745	-5.94	-4.92	<=30	Pass
		5785	-5.80	-3.89	<=30	Pass
		5825	-5.70	-4.17	<=30	Pass
802.11n (HT20)	SISO	5745	-3.96	-5.01	<=30	Pass
		5785	-3.92	-4.19	<=30	Pass
		5825	-4.00	-4.21	<=30	Pass
802.11n (HT40)	SISO	5755	-6.81	-7.72	<=30	Pass
		5795	-6.73	-7.12	<=30	Pass
802.11ac (VHT20)	SISO	5745	-4.06	-5.07	<=30	Pass
		5785	-3.35	-4.29	<=30	Pass
		5825	-4.00	-4.53	<=30	Pass
802.11ac (VHT40)	SISO	5755	-6.80	-7.53	<=30	Pass
		5795	-6.49	-7.13	<=30	Pass
802.11ac (VHT80)	SISO	5775	-9.27	-11.40	<=30	Pass
Note1: Antenna Gain: Ant3: 2.00dBi; Ant4: 2.00dBi;						

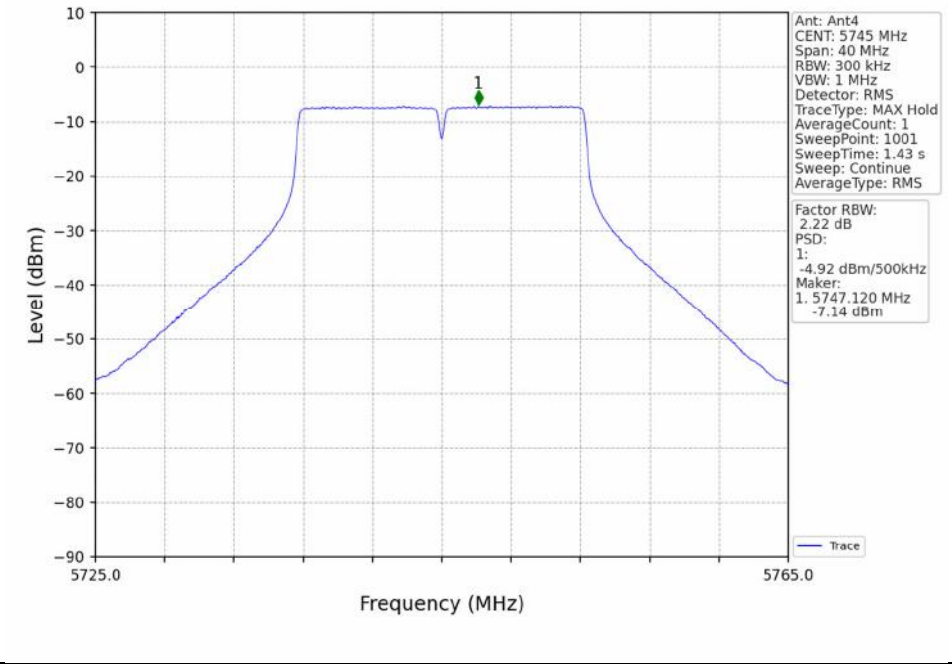
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)				Verdict
			ANT3	ANT4	MIMO	Limit	
802.11n (HT20)	SISO	5745	-3.96	-5.01	-1.44	<=30	Pass
		5785	-3.92	-4.19	-1.04	<=30	Pass
		5825	-4.00	-4.21	-1.09	<=30	Pass
802.11n (HT40)	SISO	5755	-6.81	-7.72	-4.23	<=30	Pass
		5795	-6.73	-7.12	-3.91	<=30	Pass
802.11ac (VHT20)	SISO	5745	-4.06	-5.07	-1.53	<=30	Pass
		5785	-3.35	-4.29	-0.78	<=30	Pass
		5825	-4.00	-4.53	-1.25	<=30	Pass
802.11ac (VHT40)	SISO	5755	-6.80	-7.53	-4.14	<=30	Pass
		5795	-6.49	-7.13	-3.79	<=30	Pass
802.11ac (VHT80)	SISO	5775	-9.27	-11.40	-7.20	<=30	Pass
Note1: Antenna Gain: Ant3: 2.00dBi; Ant4: 2.00dBi; Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain=2.00dBi)							

4.2.2.2 Test Graph

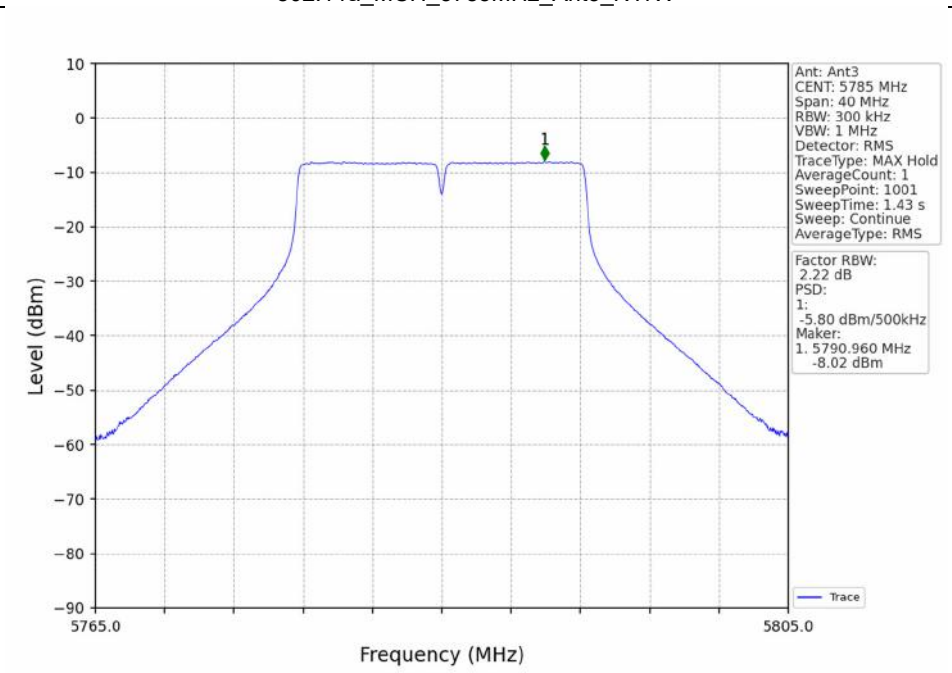
802.11a_LCH_5745MHz_Ant3_NTNV



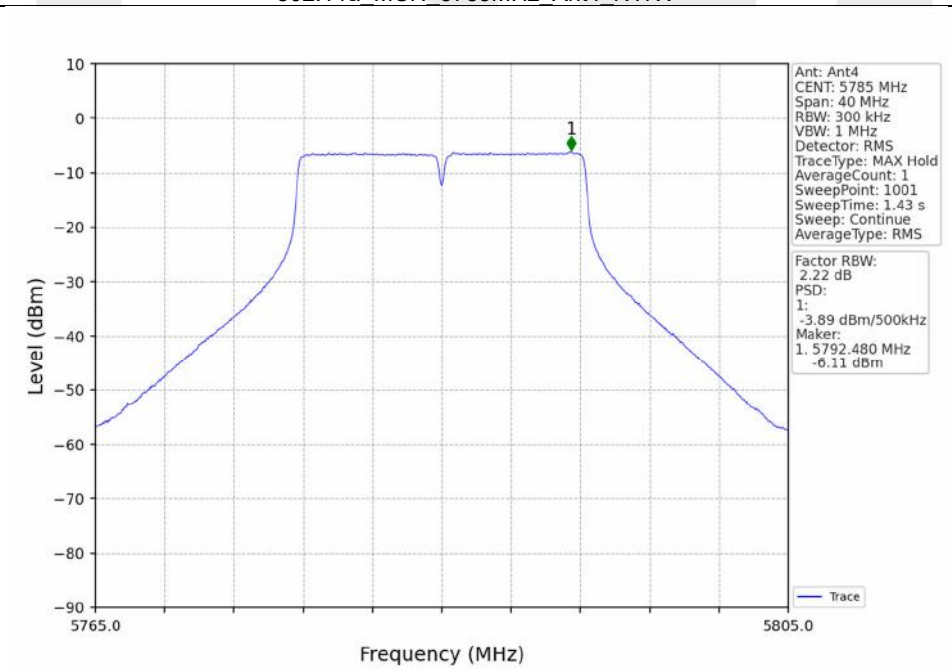
802.11a_LCH_5745MHz_Ant4_NTNV



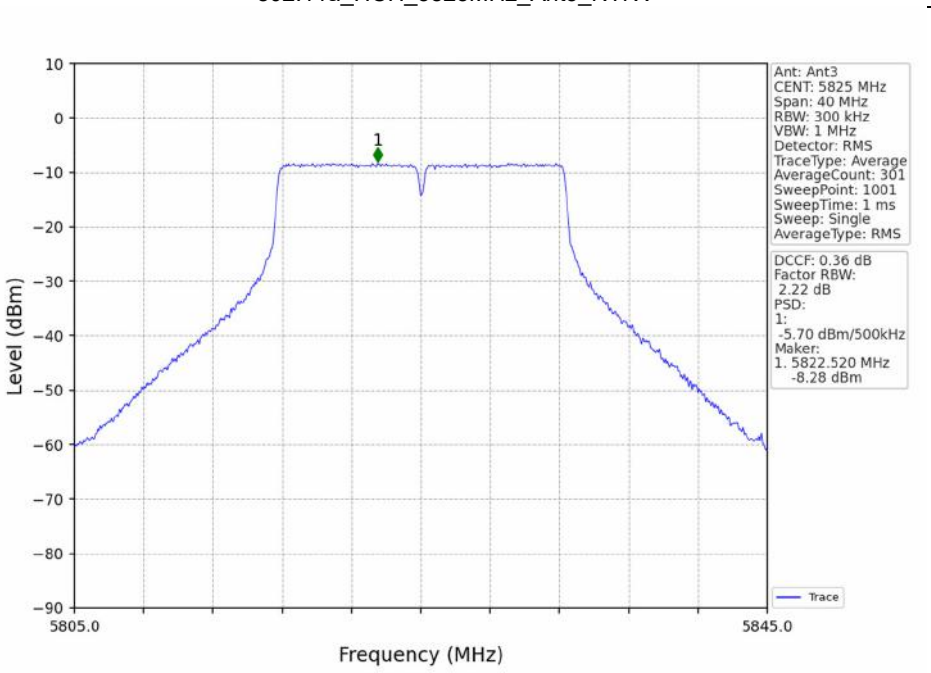
802.11a_MCH_5785MHz_Ant3_NTNV



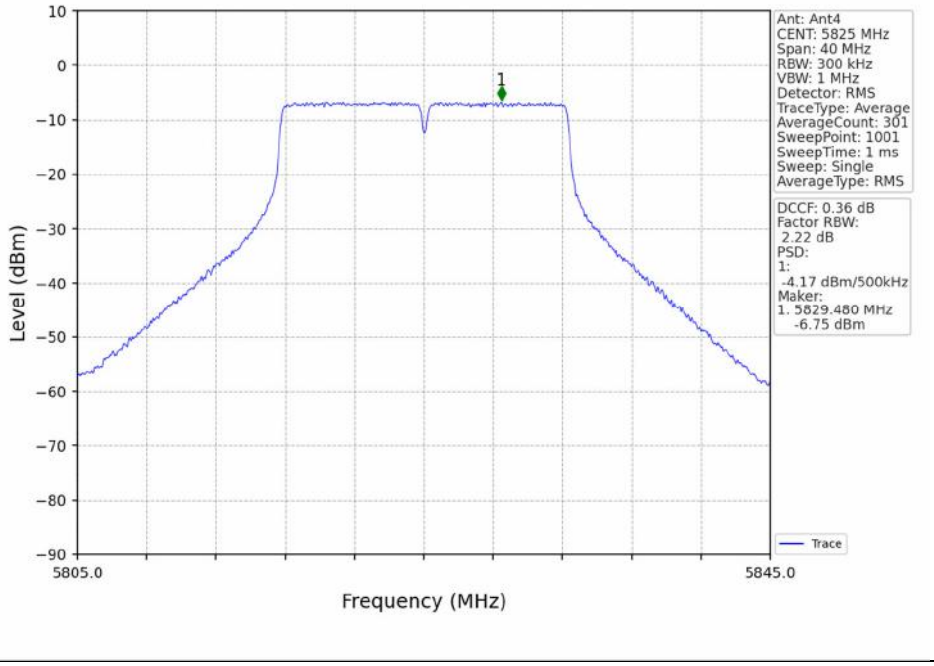
802.11a_MCH_5785MHz_Ant4_NTNV



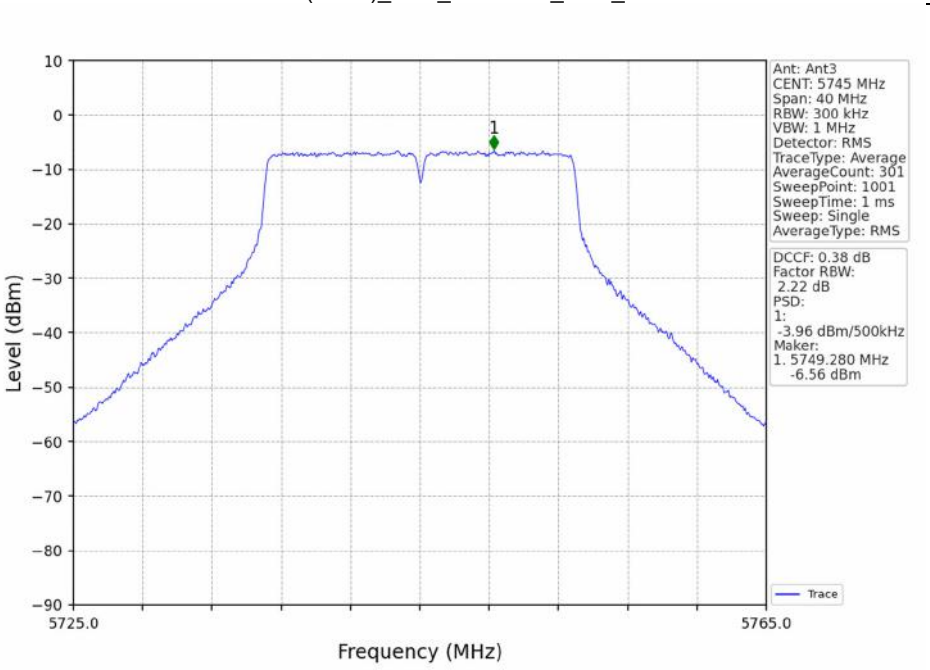
802.11a_HCH_5825MHz_Ant3_NTNV



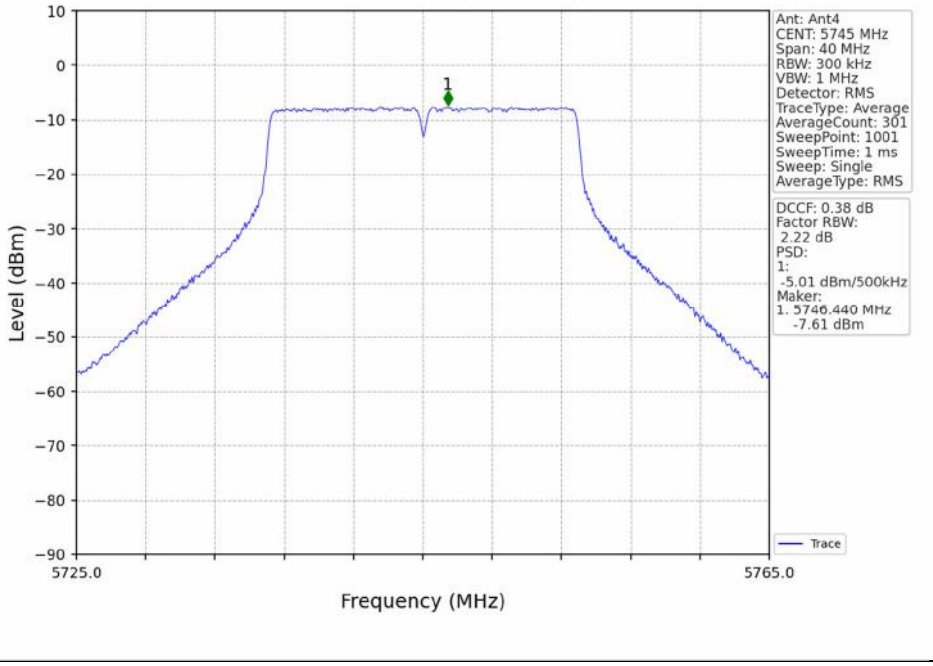
802.11a_HCH_5825MHz_Ant4_NTNV



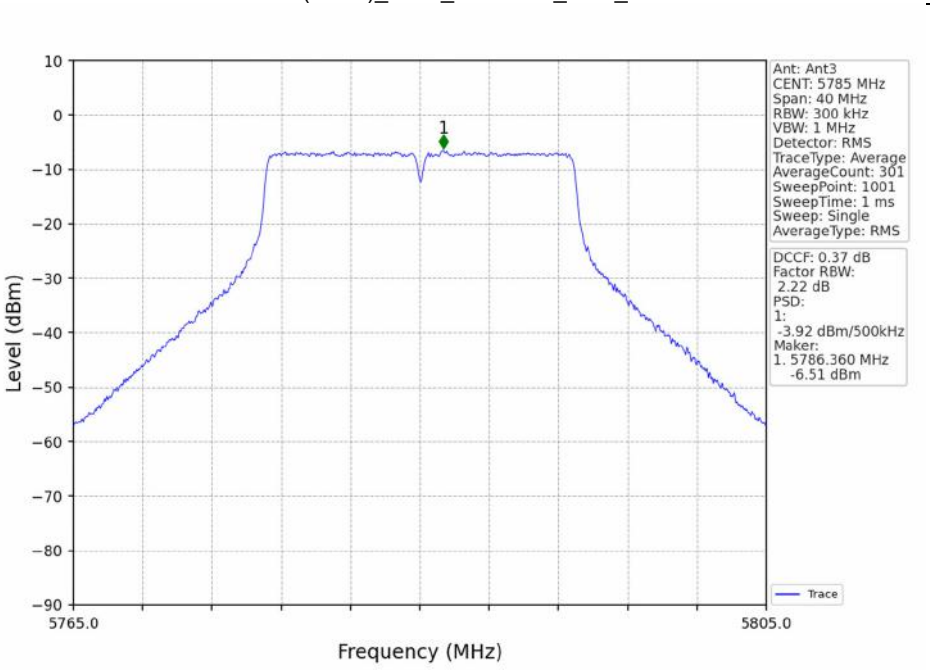
802.11n(HT20)_LCH_5745MHz_Ant3_NTNV



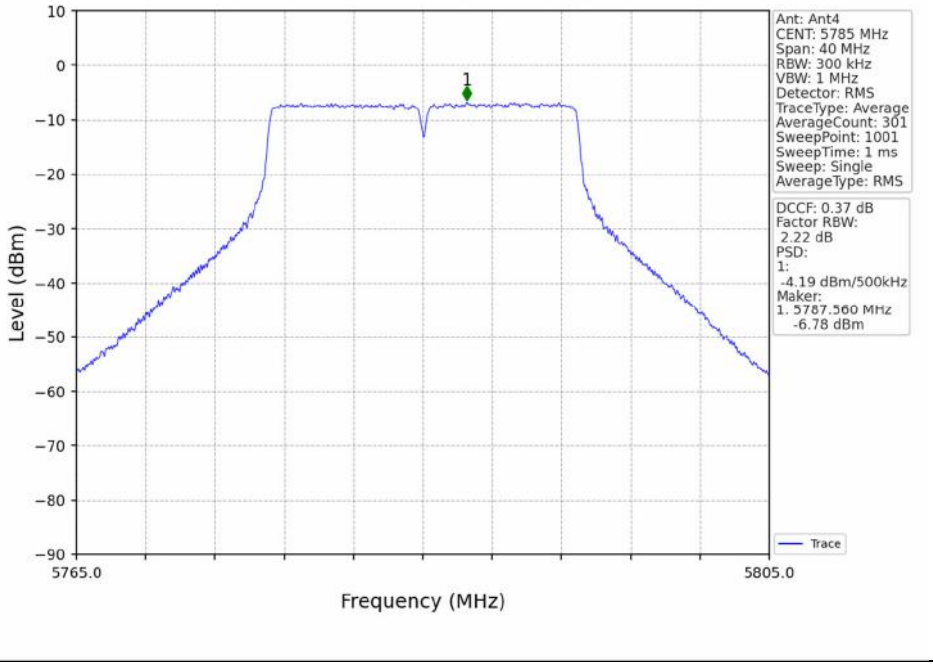
802.11n(HT20)_LCH_5745MHz_Ant4_NTNV



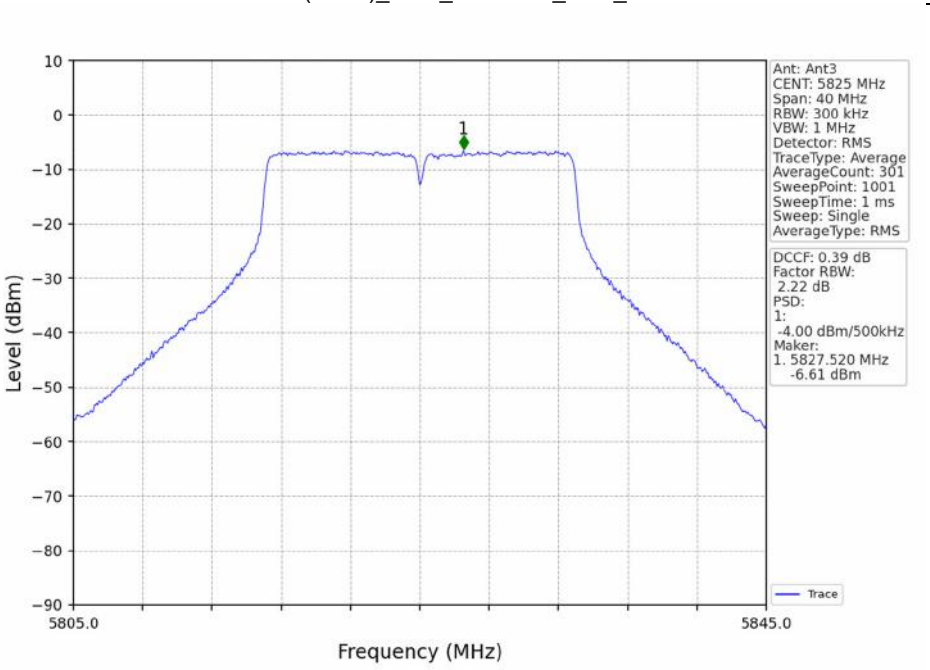
802.11n(HT20)_MCH_5785MHz_Ant3_NTNV



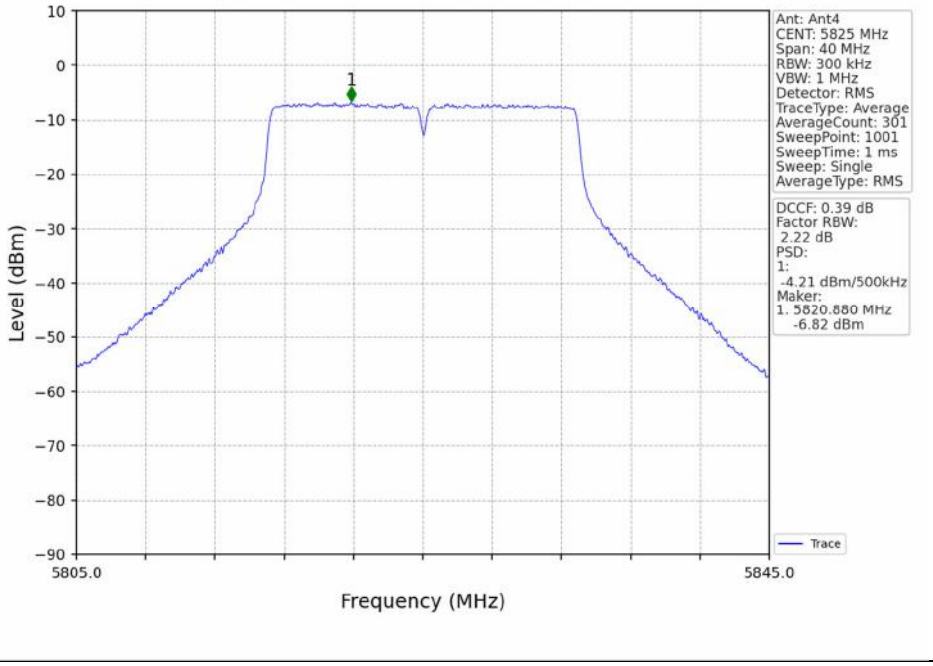
802.11n(HT20)_MCH_5785MHz_Ant4_NTNV



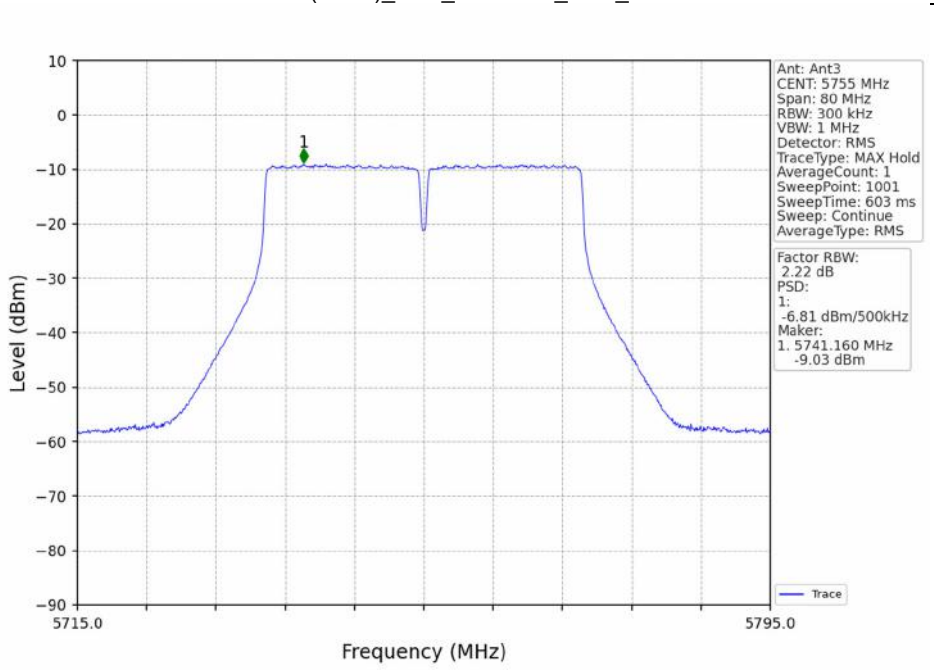
802.11n(HT20)_HCH_5825MHz_Ant3_NTNV



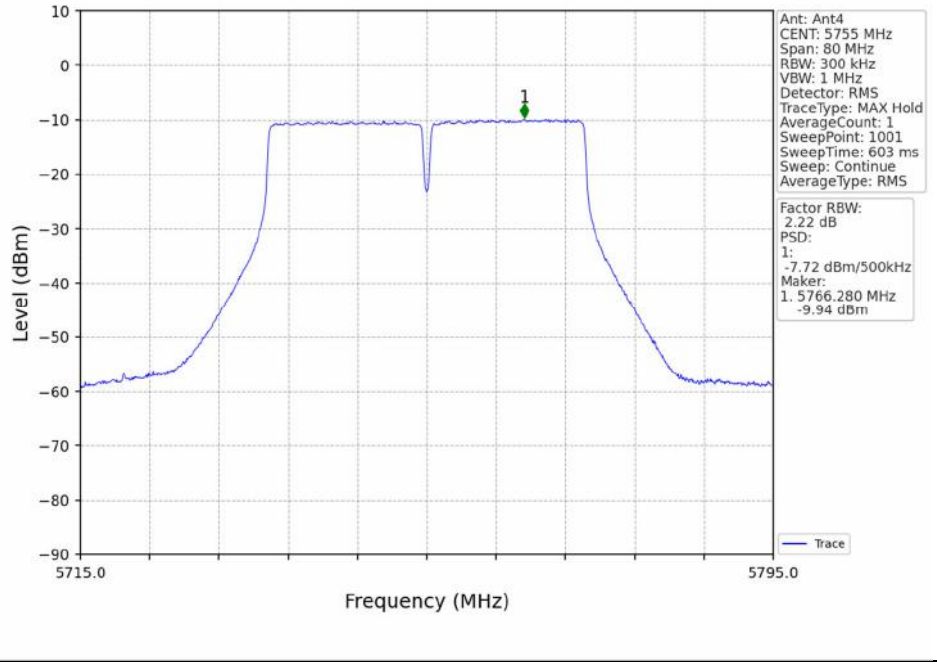
802.11n(HT20)_HCH_5825MHz_Ant4_NTNV



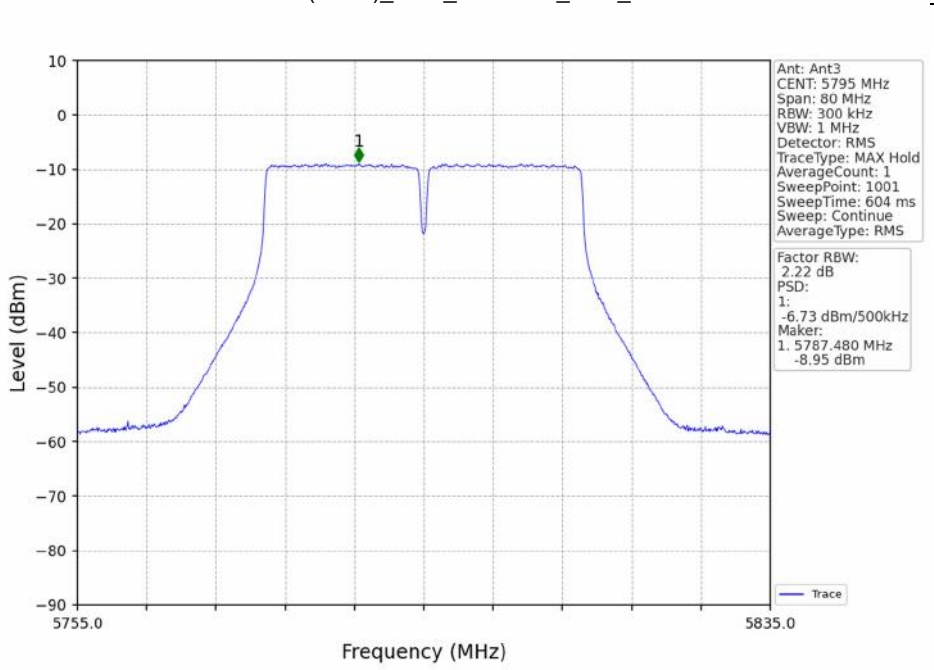
802.11n(HT40)_LCH_5755MHz_Ant3_NTNV



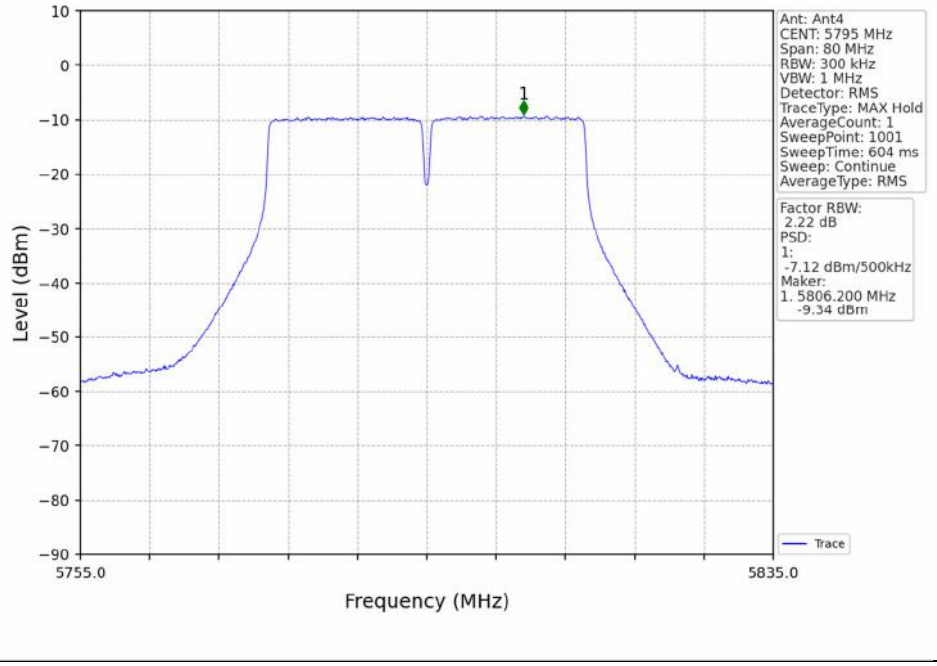
802.11n(HT40)_LCH_5755MHz_Ant4_NTNV



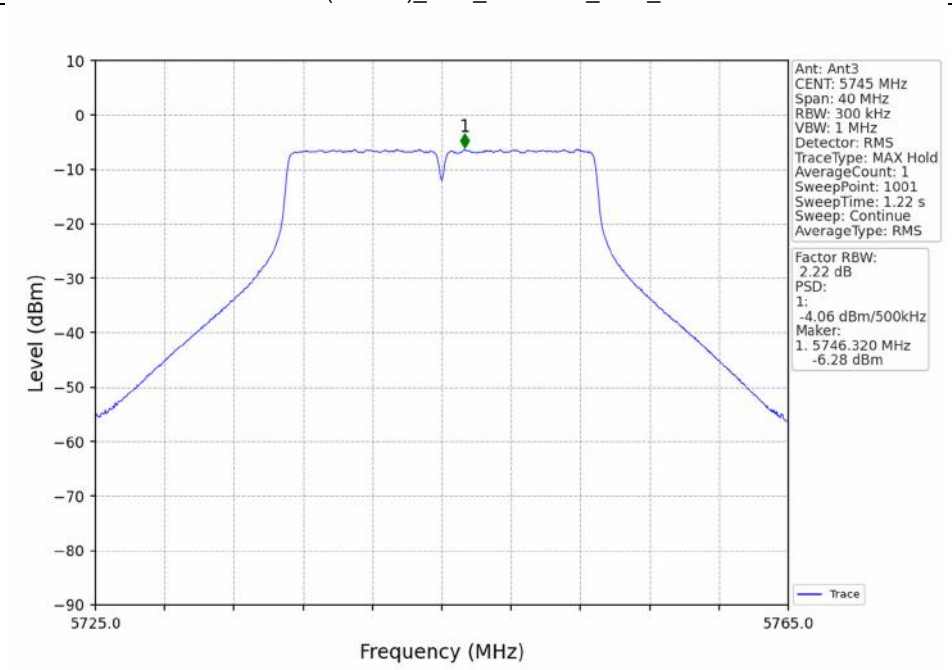
802.11n(HT40)_HCH_5795MHz_Ant3_NTNV



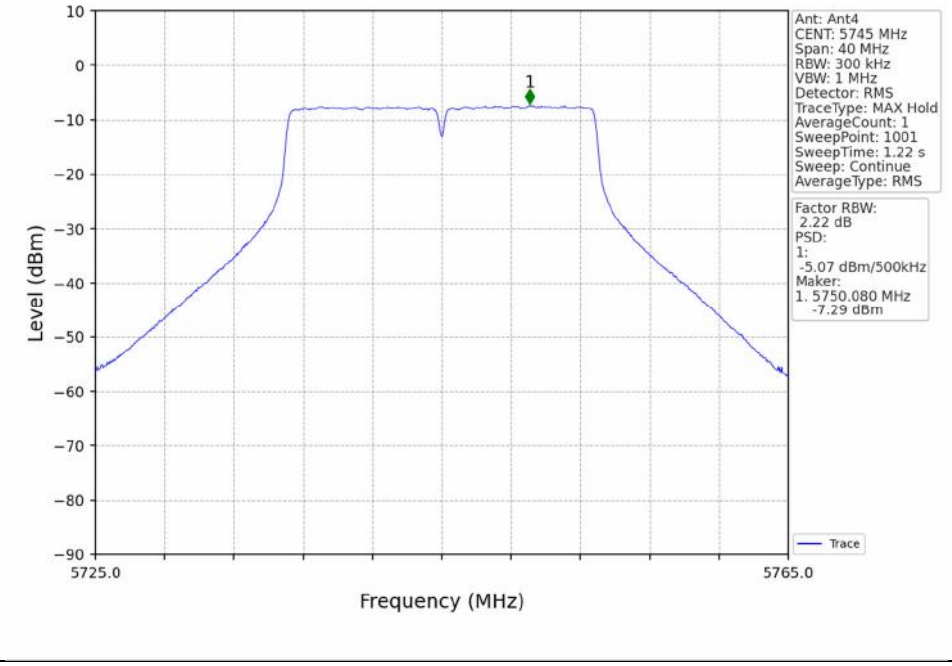
802.11n(HT40)_HCH_5795MHz_Ant4_NTNV



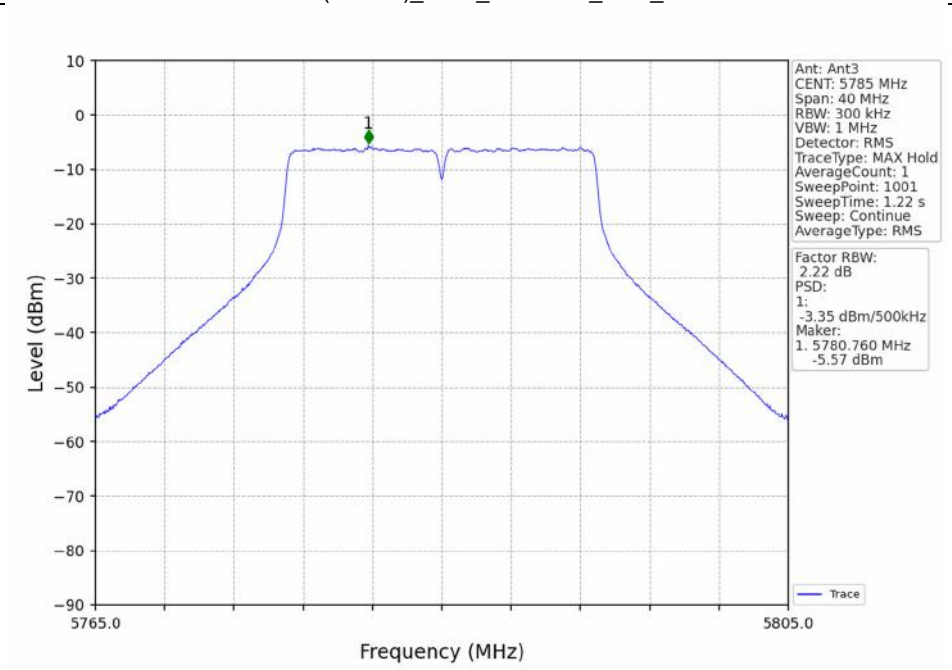
802.11ac(VHT20)_LCH_5745MHz_Ant3_NTNV



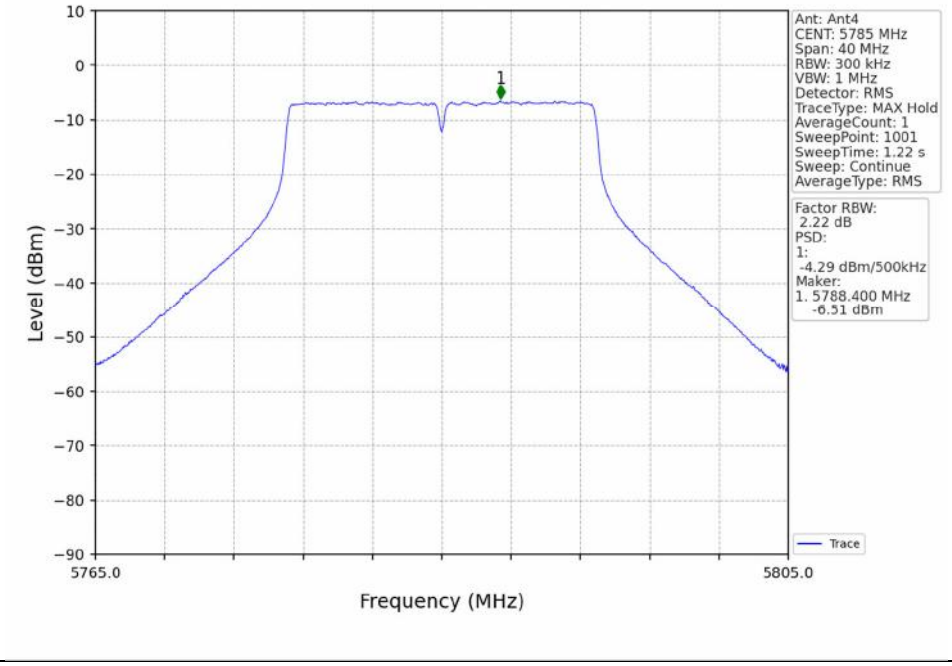
802.11ac(VHT20)_LCH_5745MHz_Ant4_NTNV



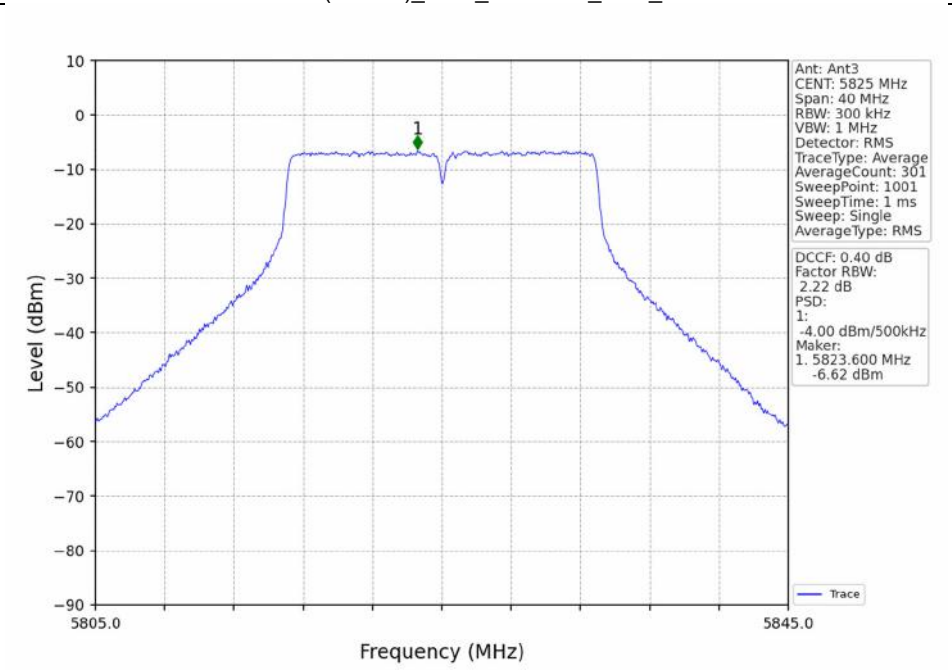
802.11ac(VHT20)_MCH_5785MHz_Ant3_NTNV



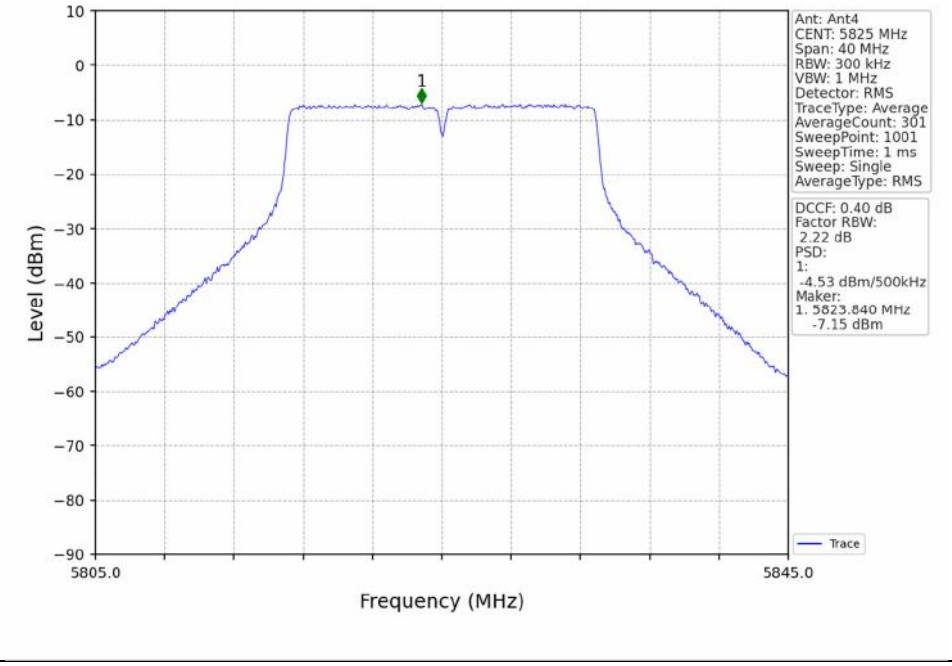
802.11ac(VHT20)_MCH_5785MHz_Ant4_NTNV



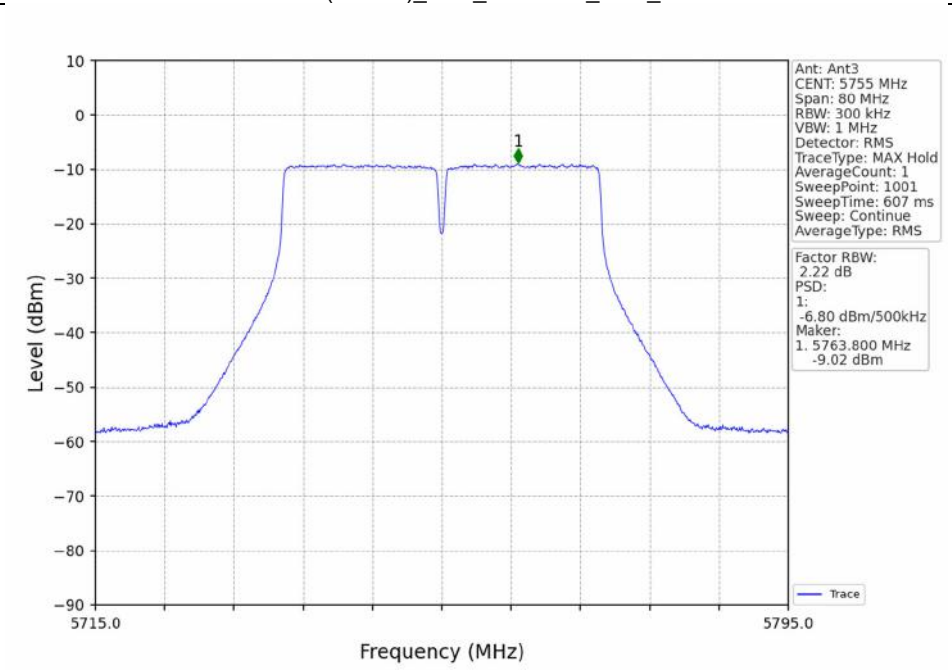
802.11ac(VHT20)_HCH_5825MHz_Ant3_NTNV



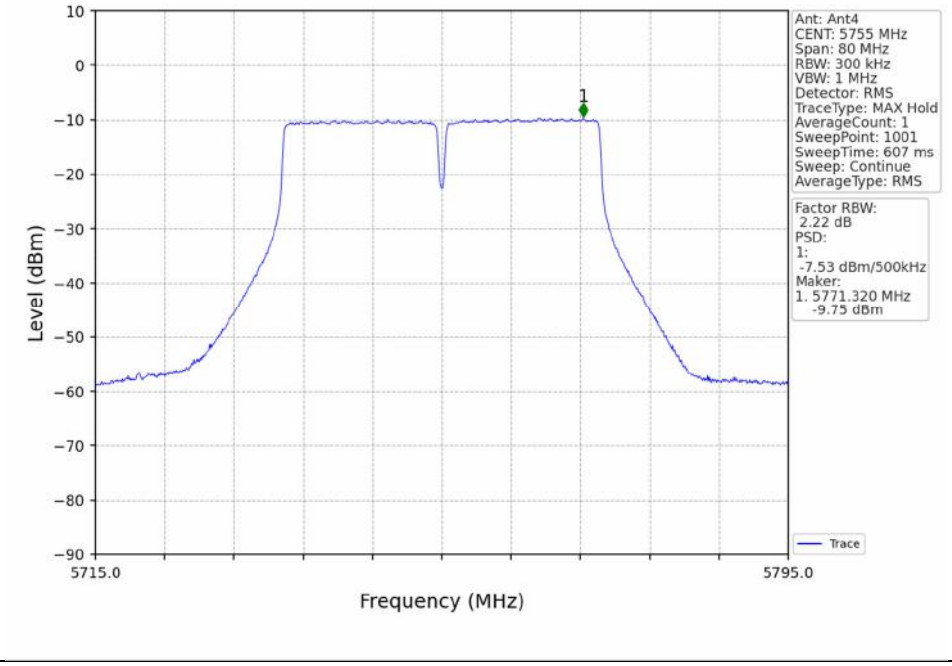
802.11ac(VHT20)_HCH_5825MHz_Ant4_NTNV



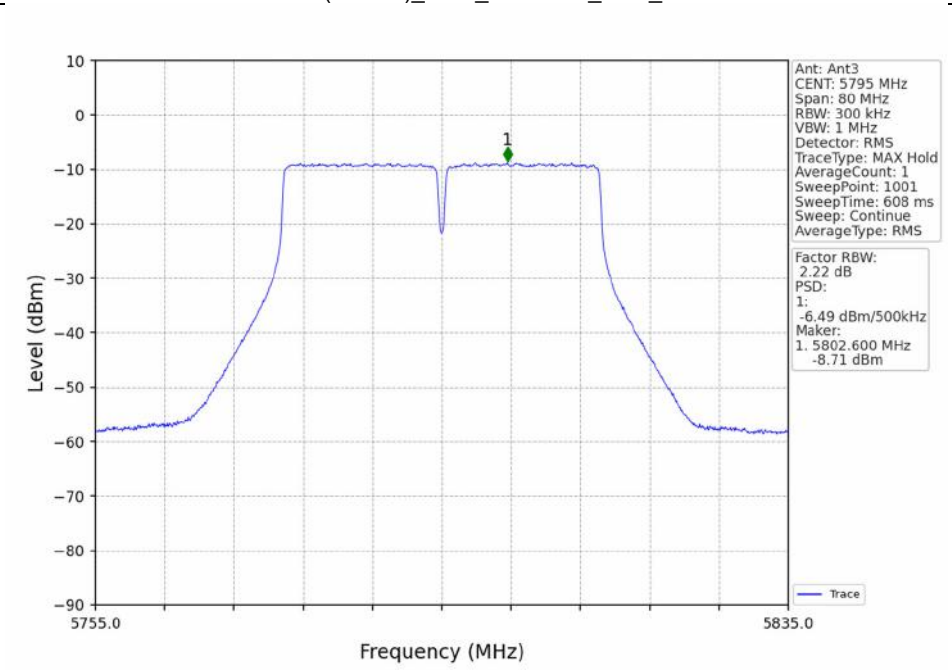
802.11ac(VHT40)_LCH_5755MHz_Ant3_NTNV



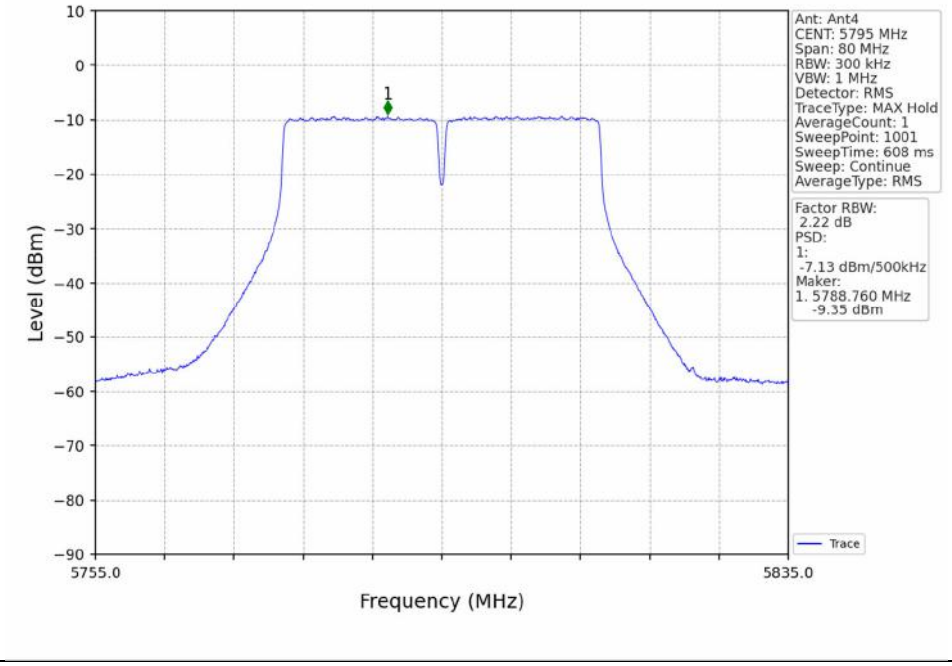
802.11ac(VHT40)_LCH_5755MHz_Ant4_NTNV



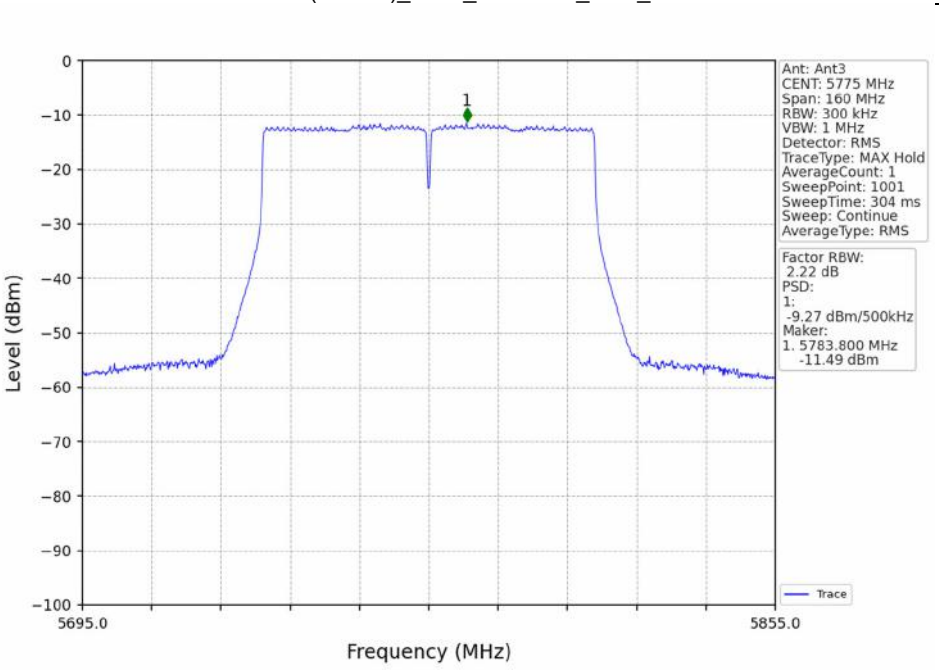
802.11ac(VHT40)_HCH_5795MHz_Ant3_NTNV



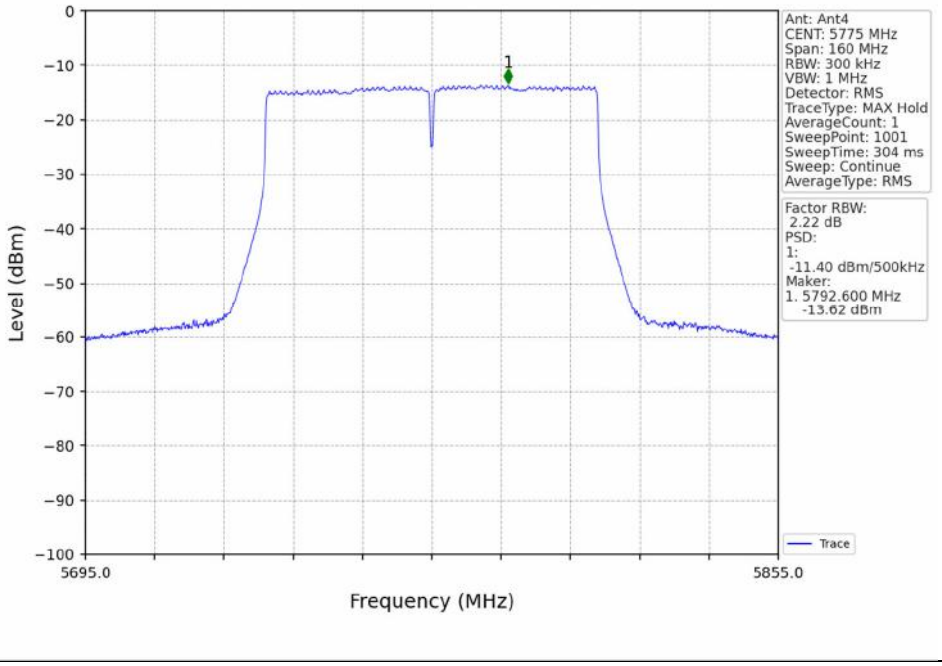
802.11ac(VHT40)_HCH_5795MHz_Ant4_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant3_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant4_NTNV



4.2.3 PSD (WiFi Module 1 + WiFi Module 2)

4.2.3.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)				Verdict
			Module 1	Module 2	MIMO	Limit	
802.11n (HT20)	SISO	5745	-3.53	-1.44	0.65	<=30	Pass
		5785	-3.53	-1.04	0.90	<=30	Pass
		5825	-3.19	-1.09	1.00	<=30	Pass
802.11n (HT40)	SISO	5755	-6.21	-4.23	-2.10	<=30	Pass
		5795	-4.27	-3.91	-1.08	<=30	Pass
802.11ac (VHT20)	SISO	5745	-1.52	-1.53	1.49	<=30	Pass
		5785	-1.94	-0.78	1.69	<=30	Pass
		5825	-1.85	-1.25	1.47	<=30	Pass
802.11ac (VHT40)	SISO	5755	-1.78	-4.14	0.21	<=30	Pass
		5795	-5.12	-3.79	-1.39	<=30	Pass
802.11ac (VHT80)	SISO	5775	-6.92	-7.20	-4.05	<=30	Pass
Note1: Antenna Gain: WiFi Module 1: 2.00dBi; WiFi Module 1: 2.00dBi; Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain=2.00dBi)							

5. Unwanted Emissions In Restricted Frequency Bands

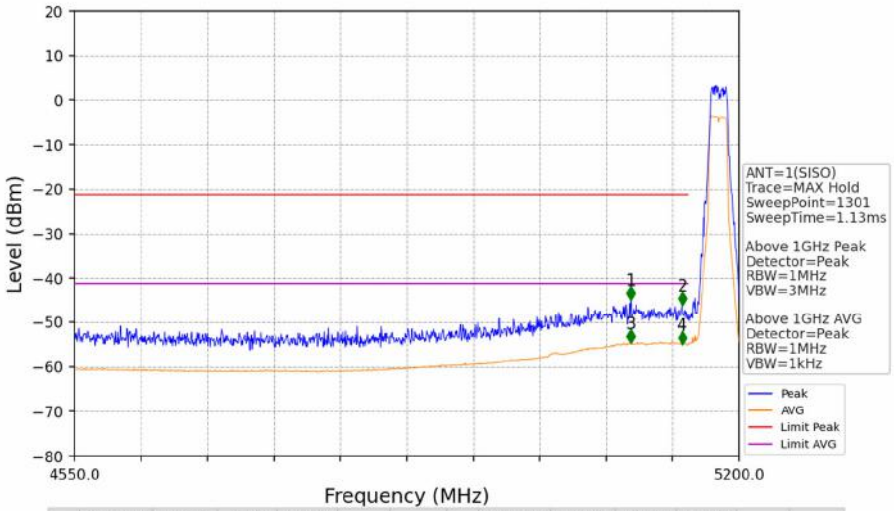
5.1. RSE (WiFi Module 1)

5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Unwanted Emissions (dBm)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5240	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5745	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5825	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
802.11n (HT20)	SISO	5180	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5240	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5745	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5825	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
802.11n (HT40)	SISO	5190	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5230	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5755	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5795	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
802.11ac (VHT20)	SISO	5180	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5240	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5745	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5825	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
802.11ac (VHT40)	SISO	5190	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5230	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5755	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5795	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
802.11ac (VHT80)	SISO	5210	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5775	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass

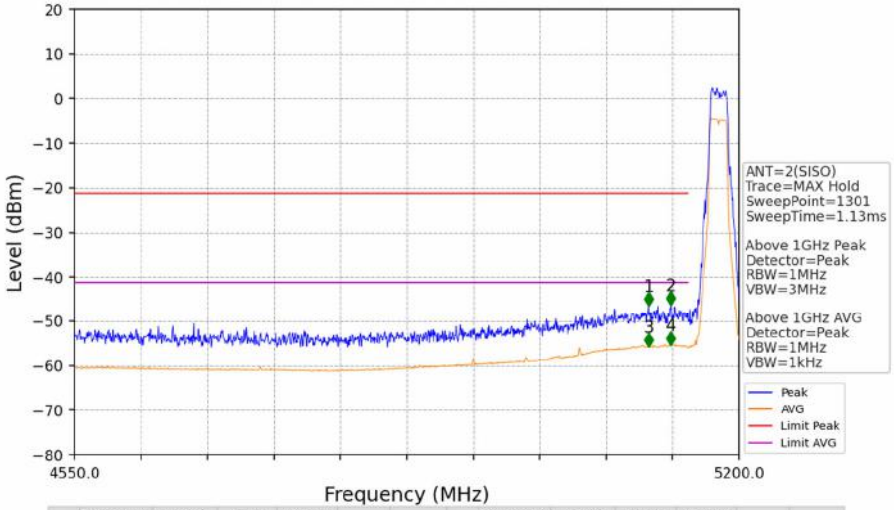
5.1.2 Test Graph

802.11a_LCH_5180MHz_Ant1_NTNV



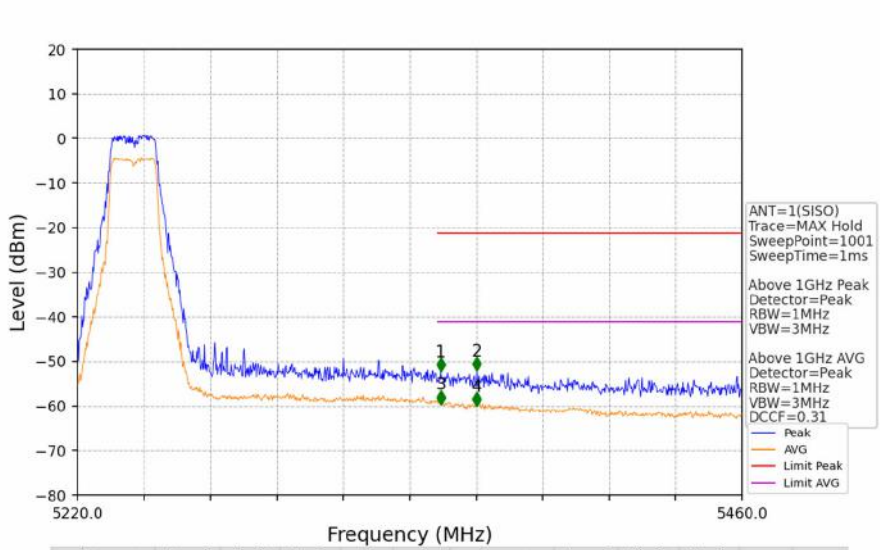
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5094.000	-44.88	-21.20	21.68	Pass	Peak	3	5094.000	/	-21.20	/	/	AVG
2	5144.500	-46.19	-21.20	22.99	Pass	Peak	4	5144.500	/	-21.20	/	/	AVG

802.11a_LCH_5180MHz_Ant2_NTNV



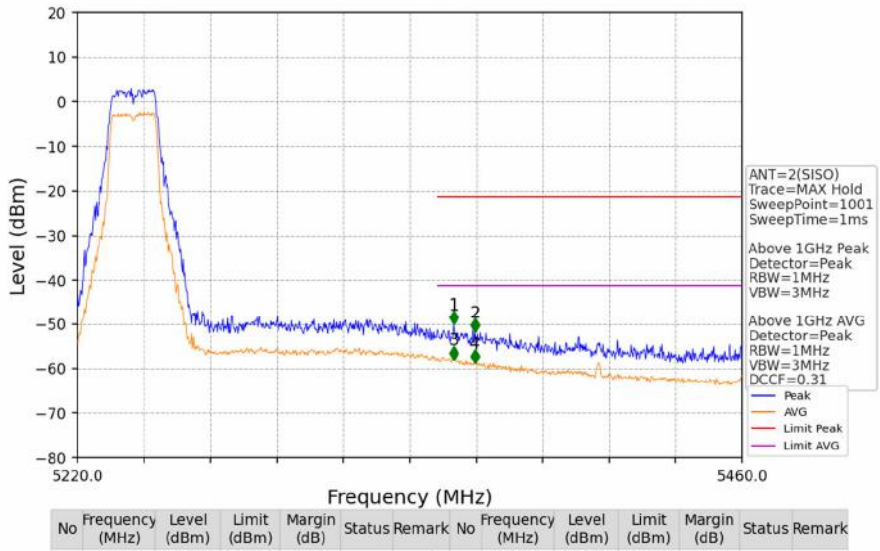
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5111.500	-46.47	-21.20	23.27	Pass	Peak	3	5111.500	/	-21.20	/	/	AVG
2	5133.500	-46.27	-21.20	23.07	Pass	Peak	4	5133.500	/	-21.20	/	/	AVG

802.11a_HCH_5240MHz_Ant1_NTNV



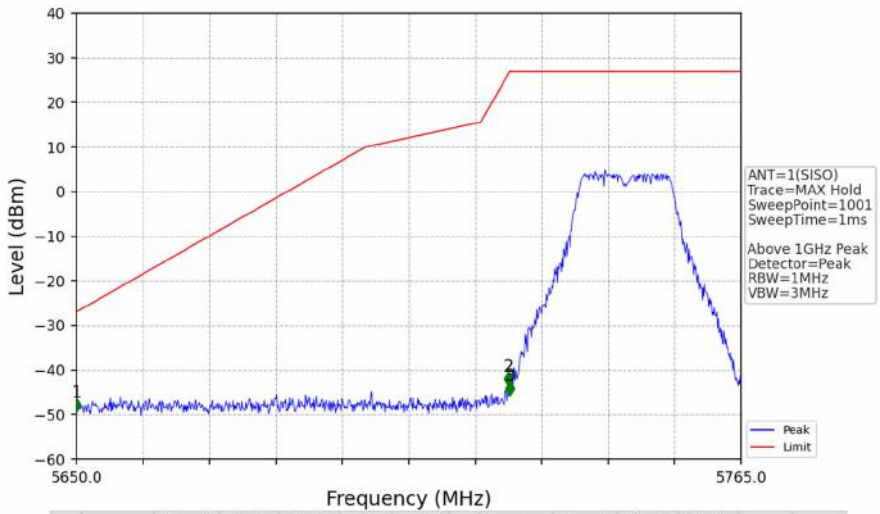
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5351.280	-52.37	-21.20	29.17	Pass	Peak	3	5351.280	/	-21.20	/	/	AVG
2	5364.240	-52.17	-21.20	28.97	Pass	Peak	4	5364.240	/	-21.20	/	/	AVG

802.11a_HCH_5240MHz_Ant2_NTNV



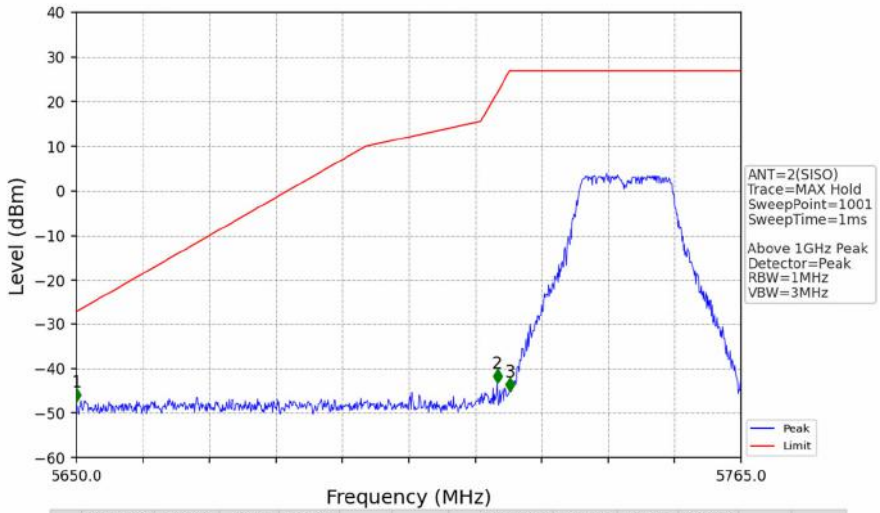
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5355.840	-50.08	-21.20	26.88	Pass	Peak	3	5355.840	/	-21.20	/	/	AVG
2	5363.520	-51.78	-21.20	28.58	Pass	Peak	4	5363.520	/	-21.20	/	/	AVG

802.11a_LCH_5745MHz_Ant1_NTNV



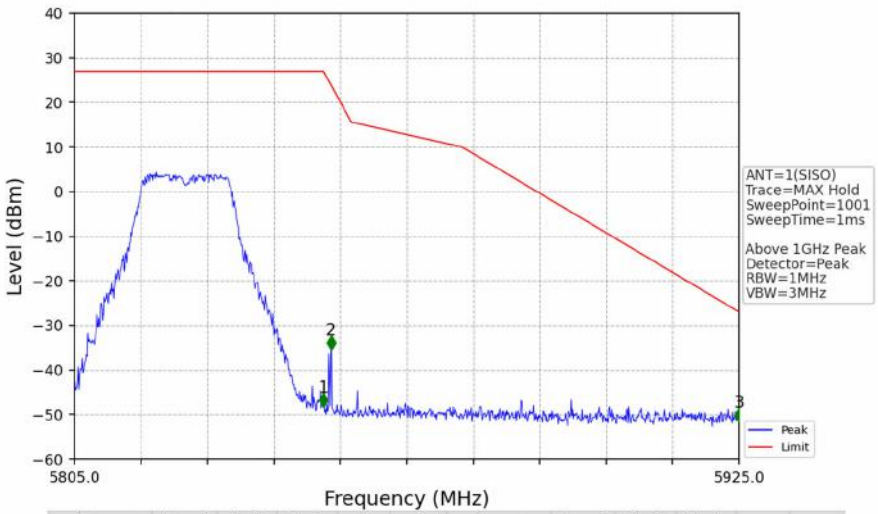
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5650.000	-49.48	-27.00	20.48	Pass	Peak	3	5725.000	-45.77	27.00	70.77	Pass	Peak
2	5724.750	-43.57	26.43	68.00	Pass	Peak							

802.11a_LCH_5745MHz_Ant2_NTNV



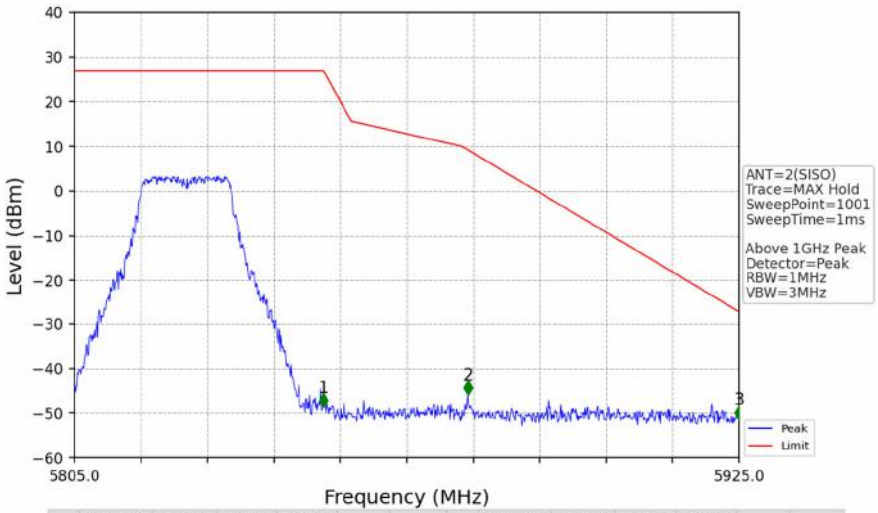
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5650.000	-47.55	-27.00	18.55	Pass	Peak	3	5725.000	-45.14	27.00	70.14	Pass	Peak
2	5722.795	-43.25	21.97	63.23	Pass	Peak							

802.11a_HCH_5825MHz_Ant1_NTNV



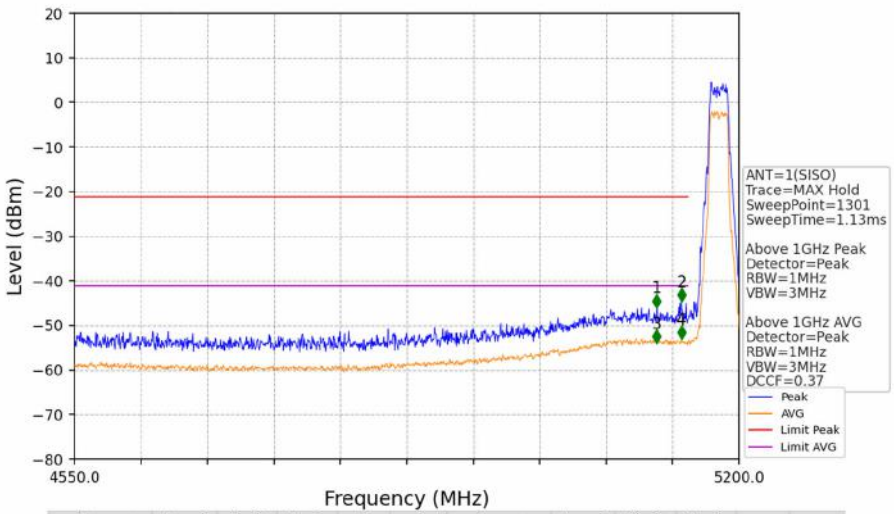
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5850.000	-48.40	27.00	73.40	Pass	Peak	3	5925.000	-51.68	-27.00	22.68	Pass	Peak
2	5851.320	-35.52	23.99	57.51	Pass	Peak							

802.11a_HCH_5825MHz_Ant2_NTNV



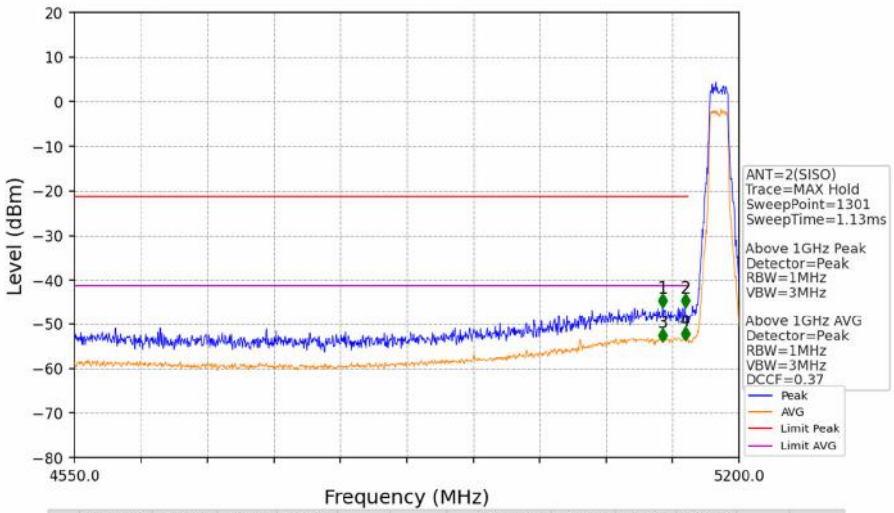
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5850.000	-48.76	27.00	73.75	Pass	Peak	3	5925.000	-51.47	-27.00	22.47	Pass	Peak
2	5876.040	-45.92	9.23	53.15	Pass	Peak							

802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



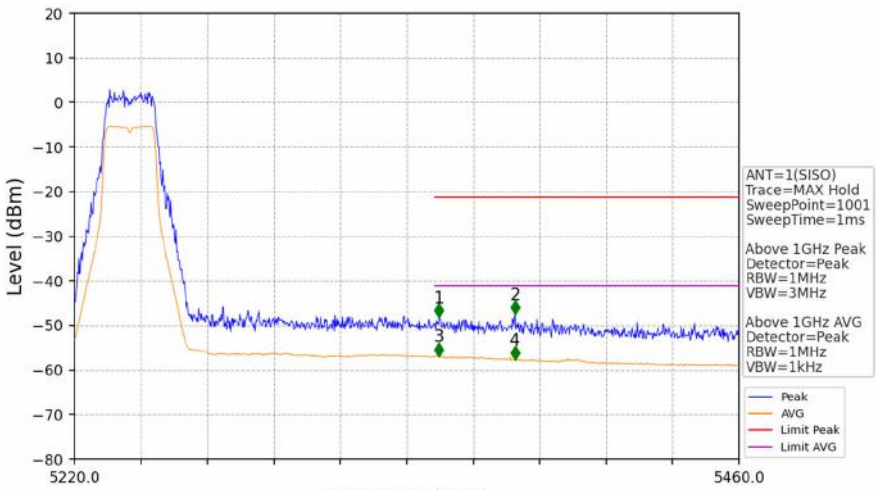
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5119.500	-46.07	-21.20	22.87	Pass	Peak	3	5119.500	/	-21.20	/	/	AVG
2	5144.000	-44.76	-21.20	21.56	Pass	Peak	4	5144.000	/	-21.20	/	/	AVG

802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



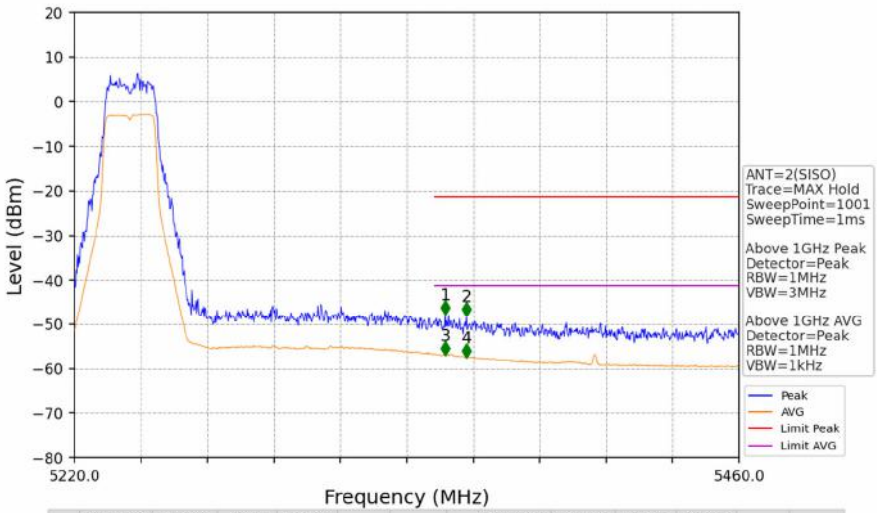
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5125.500	-46.16	-21.20	22.95	Pass	Peak	3	5125.500	/	-21.20	/	/	AVG
2	5147.500	-46.15	-21.20	22.95	Pass	Peak	4	5147.500	/	-21.20	/	/	AVG

802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



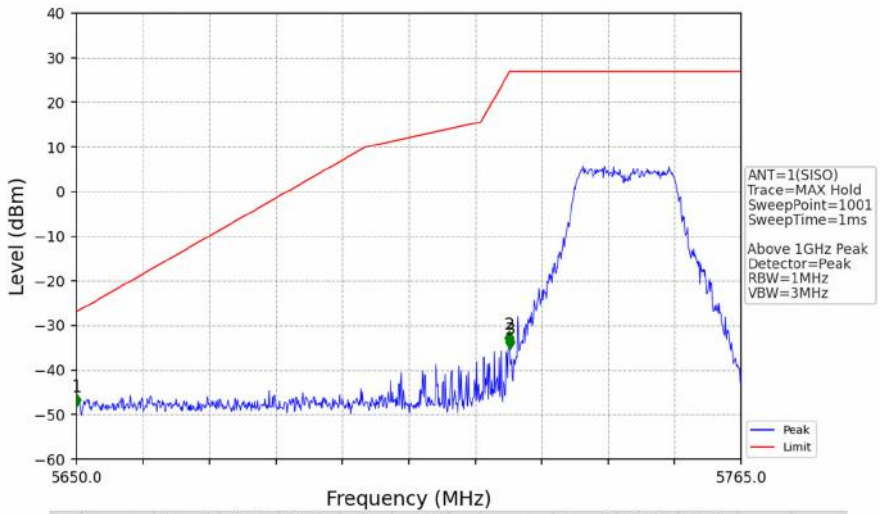
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5351.760	-48.32	-21.20	25.12	Pass	Peak	3	5351.760	/	-21.20	/	/	AVG
2	5379.120	-47.54	-21.20	24.34	Pass	Peak	4	5379.120	/	-21.20	/	/	AVG

802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



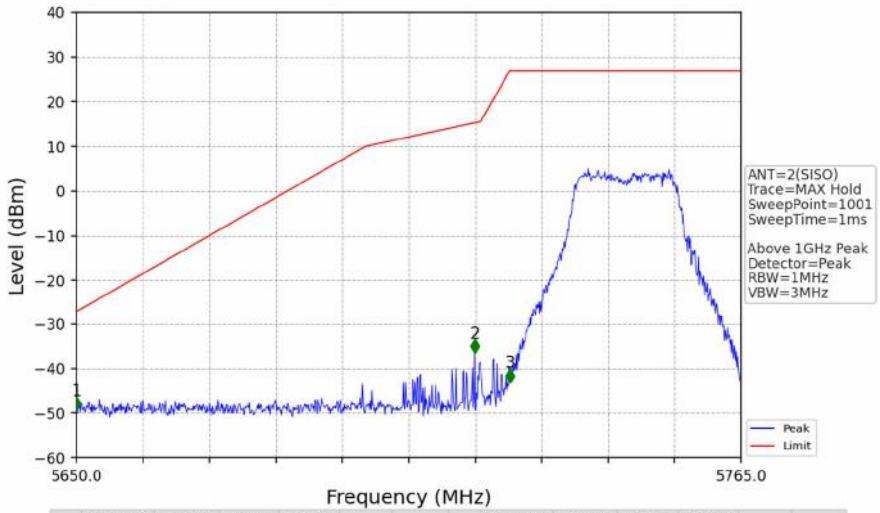
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5353.920	-47.67	-21.20	24.47	Pass	Peak	3	5353.920	/	-21.20	/	/	AVG
2	5361.600	-48.07	-21.20	24.87	Pass	Peak	4	5361.600	/	-21.20	/	/	AVG

802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



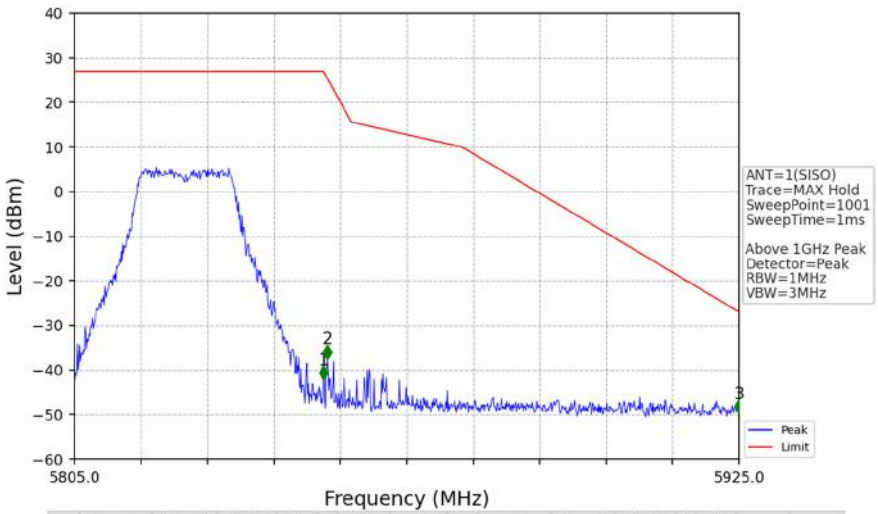
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5650.000	-48.28	-27.00	19.28	Pass	Peak	3	5725.000	-35.27	27.00	60.27	Pass	Peak
2	5724.865	-34.34	26.69	59.03	Pass	Peak							

802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



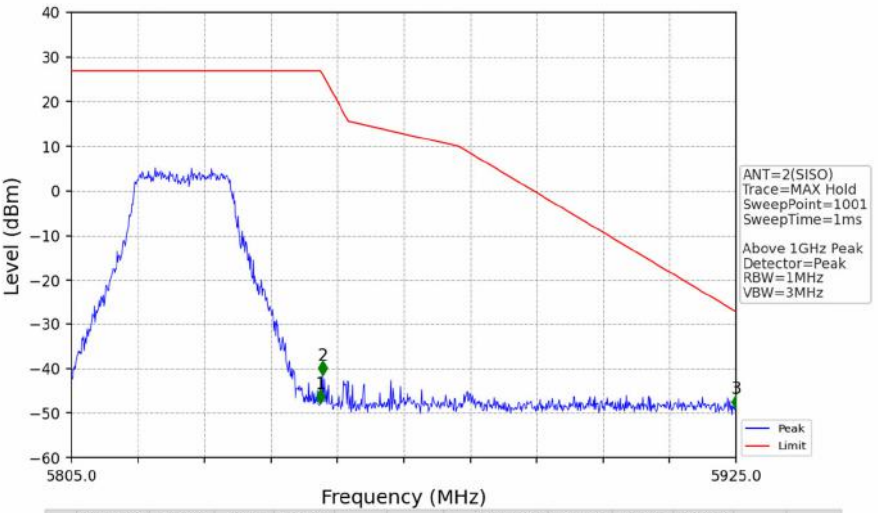
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5650.000	-49.45	-27.00	20.45	Pass	Peak	3	5725.000	-43.16	27.00	68.16	Pass	Peak
2	5718.885	-36.56	15.29	49.85	Pass	Peak							

802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



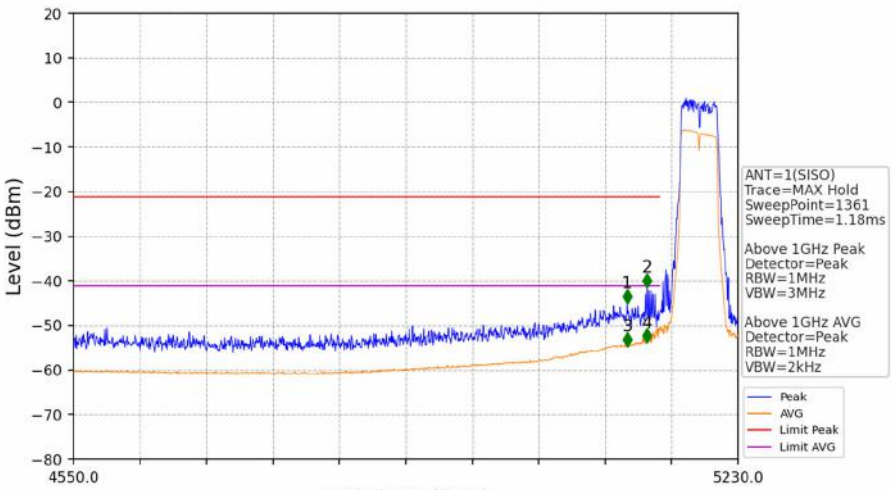
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5850.000	-42.26	27.00	67.26	Pass	Peak	3	5925.000	-49.75	-27.00	20.75	Pass	Peak
2	5850.720	-37.54	25.36	60.90	Pass	Peak							

802.11n(HT20)_HCH_5825MHz_Ant2_NTNV



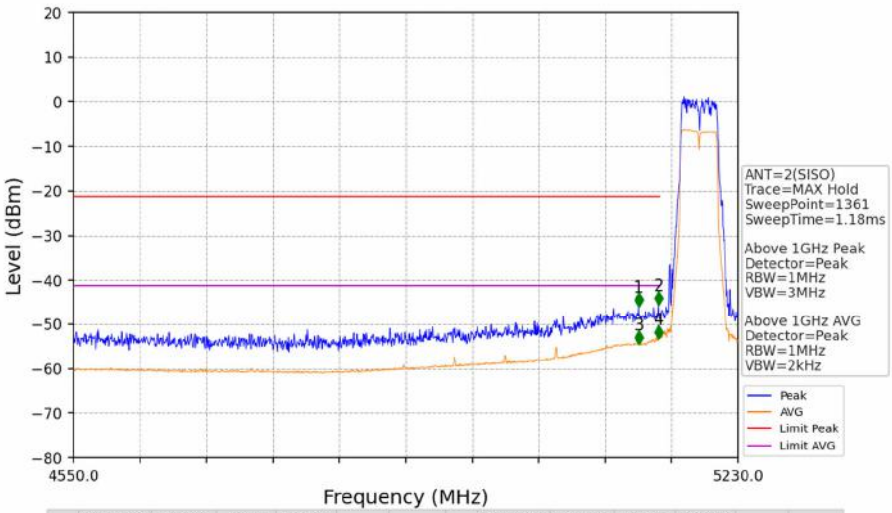
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5850.000	-47.83	27.00	72.83	Pass	Peak	3	5925.000	-49.00	-27.00	20.00	Pass	Peak
2	5850.360	-41.45	26.18	65.63	Pass	Peak							

802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



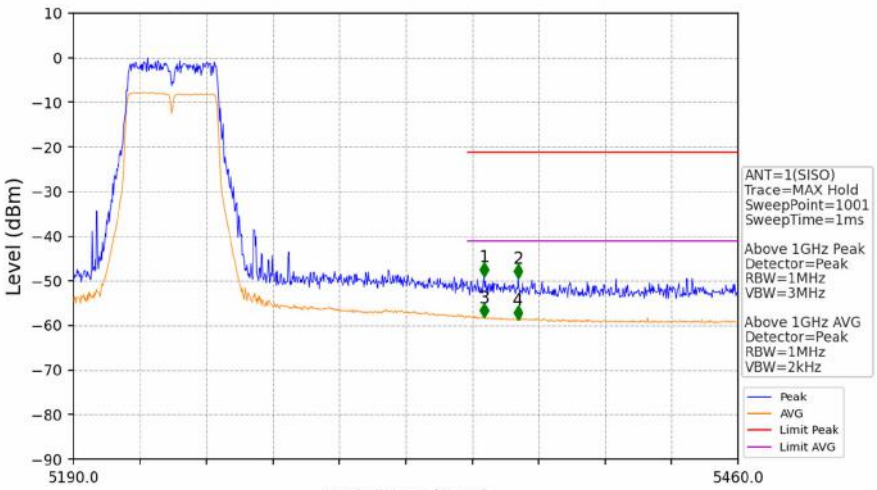
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5116.500	-45.02	-21.20	21.82	Pass	Peak	3	5116.500	/	-21.20	/	/	AVG
2	5137.000	-41.49	-21.20	18.29	Pass	Peak	4	5137.000	/	-21.20	/	/	AVG

802.11n(HT40)_LCH_5190MHz_Ant2_NTNV



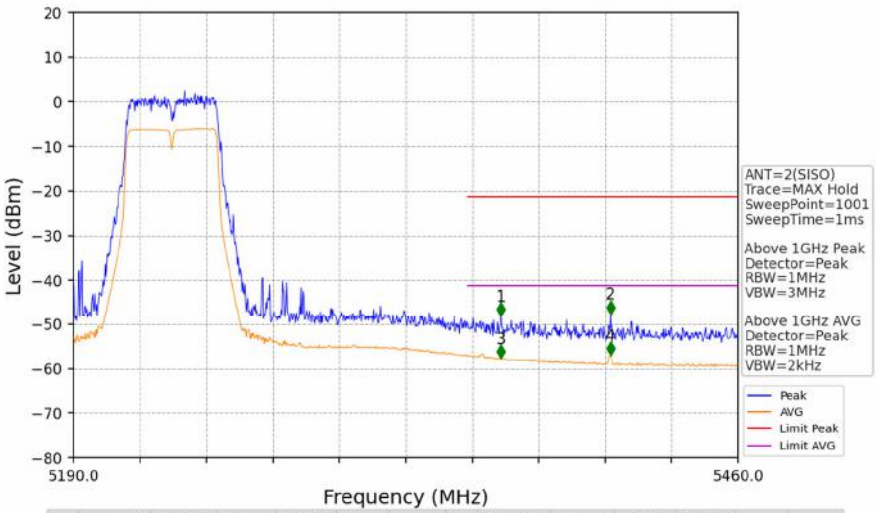
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5128.500	-45.96	-21.20	22.76	Pass	Peak	3	5128.500	/	-21.20	/	/	AVG
2	5149.000	-45.67	-21.20	22.48	Pass	Peak	4	5149.000	/	-21.20	/	/	AVG

802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



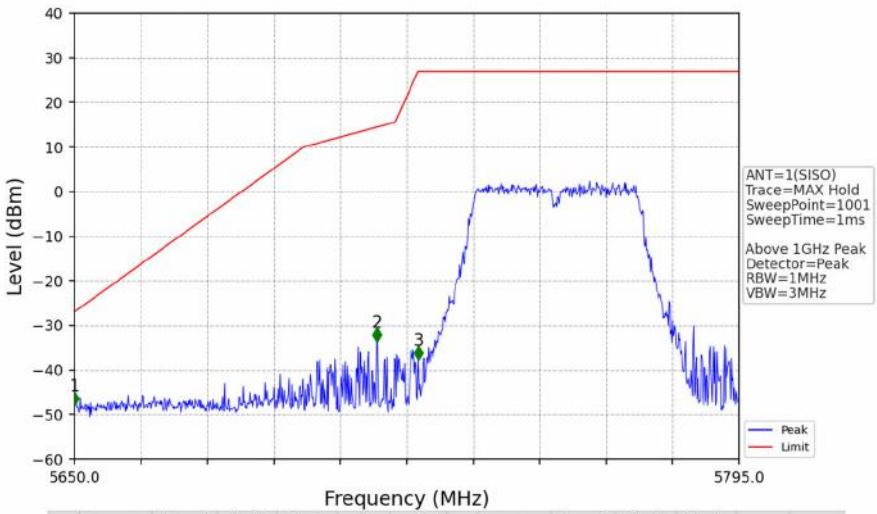
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5356.860	-49.09	-21.20	25.89	Pass	Peak	3	5356.860	/	-21.20	/	/	AVG
2	5370.630	-49.41	-21.20	26.21	Pass	Peak	4	5370.630	/	-21.20	/	/	AVG

802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



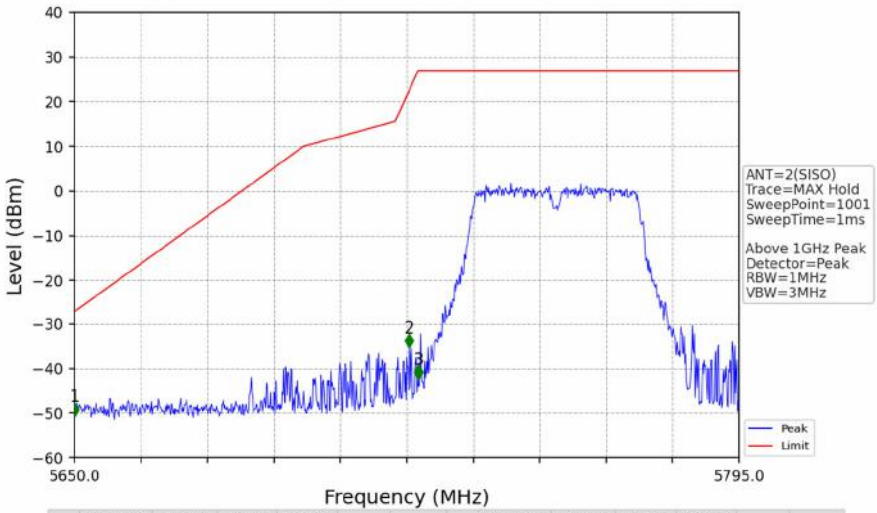
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5363.610	-48.07	-21.20	24.87	Pass	Peak	3	5363.610	/	-21.20	/	/	AVG
2	5408.160	-47.66	-21.20	24.46	Pass	Peak	4	5408.160	/	-21.20	/	/	AVG

802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



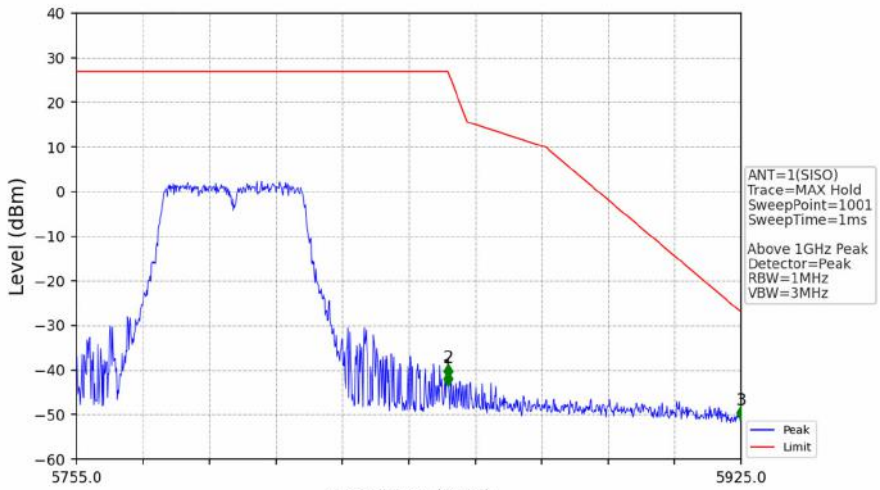
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5650.000	-47.96	-27.00	18.96	Pass	Peak	3	5725.000	-37.79	27.00	62.79	Pass	Peak
2	5715.975	-33.78	14.47	46.25	Pass	Peak							

802.11n(HT40)_LCH_5755MHz_Ant2_NTNV



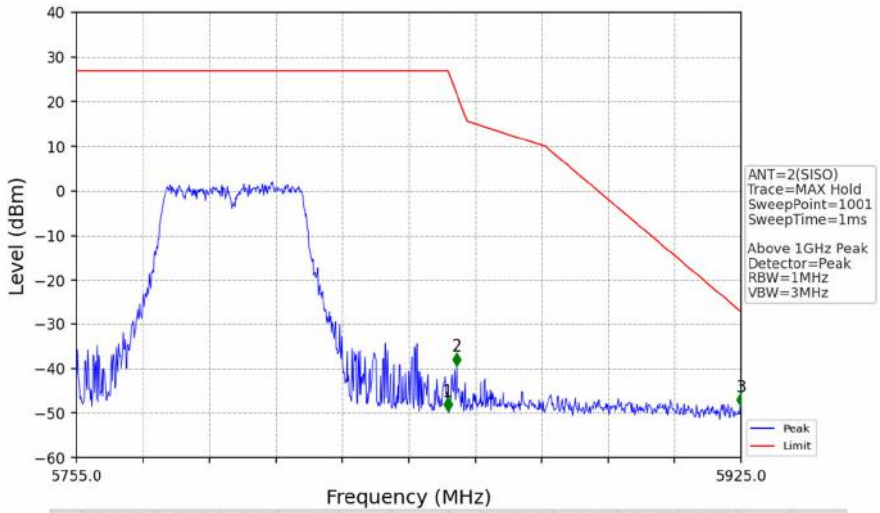
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5650.000	-50.74	-27.00	21.74	Pass	Peak	3	5725.000	-42.44	27.00	67.44	Pass	Peak
2	5723.080	-35.36	22.62	55.98	Pass	Peak							

802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



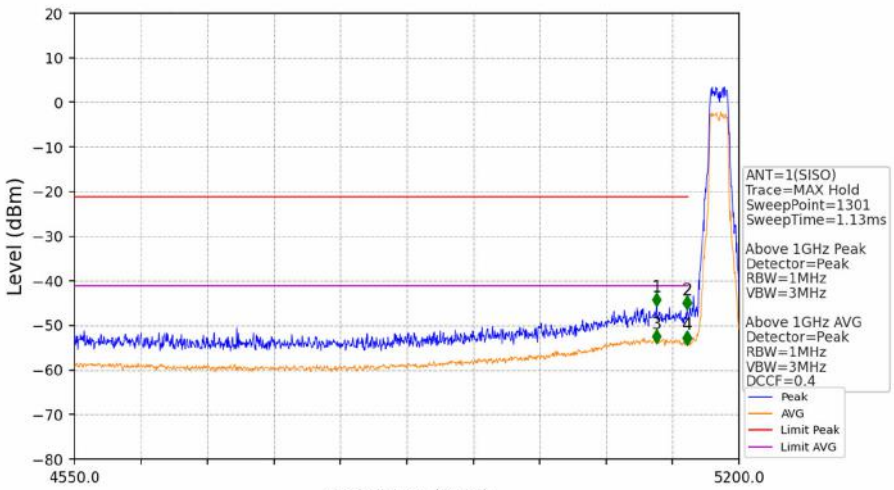
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5850.000	-43.57	27.00	68.57	Pass	Peak	3	5925.000	-51.15	-27.00	22.15	Pass	Peak
2	5850.030	-41.77	26.93	66.70	Pass	Peak							

802.11n(HT40)_HCH_5795MHz_Ant2_NTNV



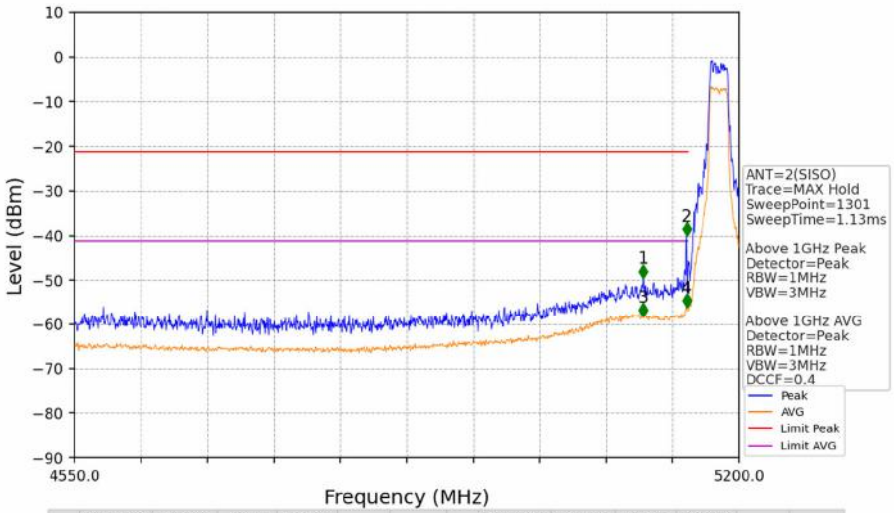
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5850.000	-49.65	27.00	74.65	Pass	Peak	3	5925.000	-48.57	-27.00	19.57	Pass	Peak
2	5852.240	-39.48	21.89	59.38	Pass	Peak							

802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



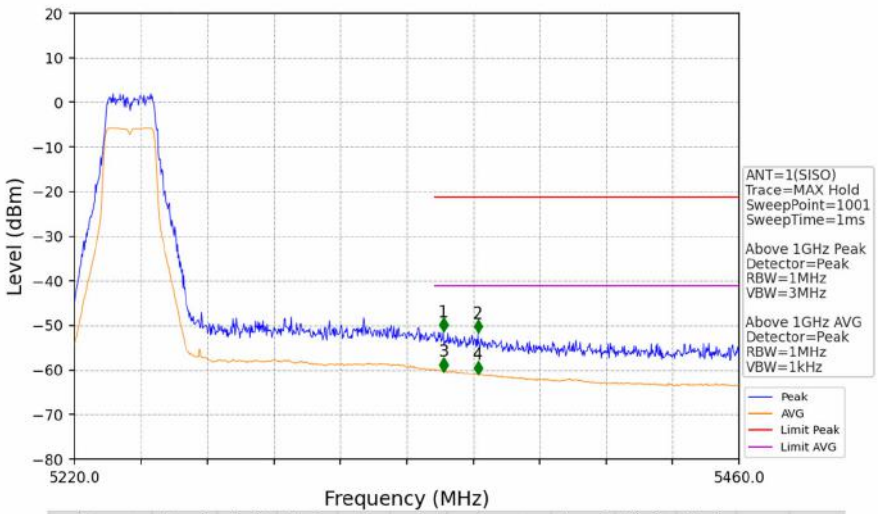
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5119.500	-45.77	-21.20	22.57	Pass	Peak	3	5119.500	/	-21.20	/	/	AVG
2	5149.500	-46.51	-21.20	23.31	Pass	Peak	4	5149.500	/	-21.20	/	/	AVG

802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV



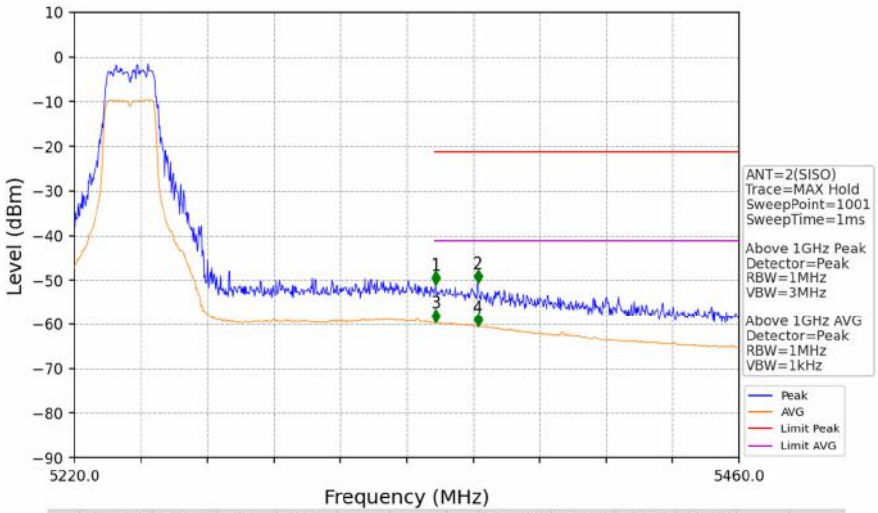
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5106.500	-49.52	-21.20	26.32	Pass	Peak	3	5106.500	/	-21.20	/	/	AVG
2	5149.000	-40.07	-21.20	16.87	Pass	Peak	4	5149.000	/	-21.20	/	/	AVG

802.11ac(VHT20)_HCH_5240MHz_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	5353.200	-51.50	-21.20	28.30	Pass	Peak	3	5353.200	/	-21.20	/	/	AVG
2	5365.680	-51.77	-21.20	28.57	Pass	Peak	4	5365.680	/	-21.20	/	/	AVG

802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5350.560	-51.04	-21.20	27.84	Pass	Peak	3	5350.560	/	-21.20	/	/	AVG
2	5365.680	-50.66	-21.20	27.46	Pass	Peak	4	5365.680	/	-21.20	/	/	AVG