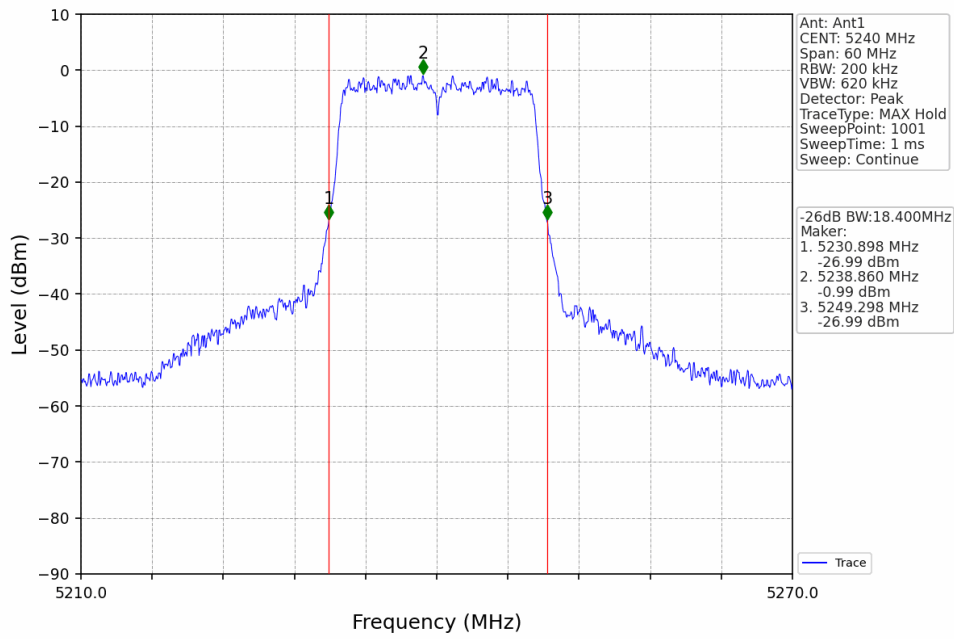
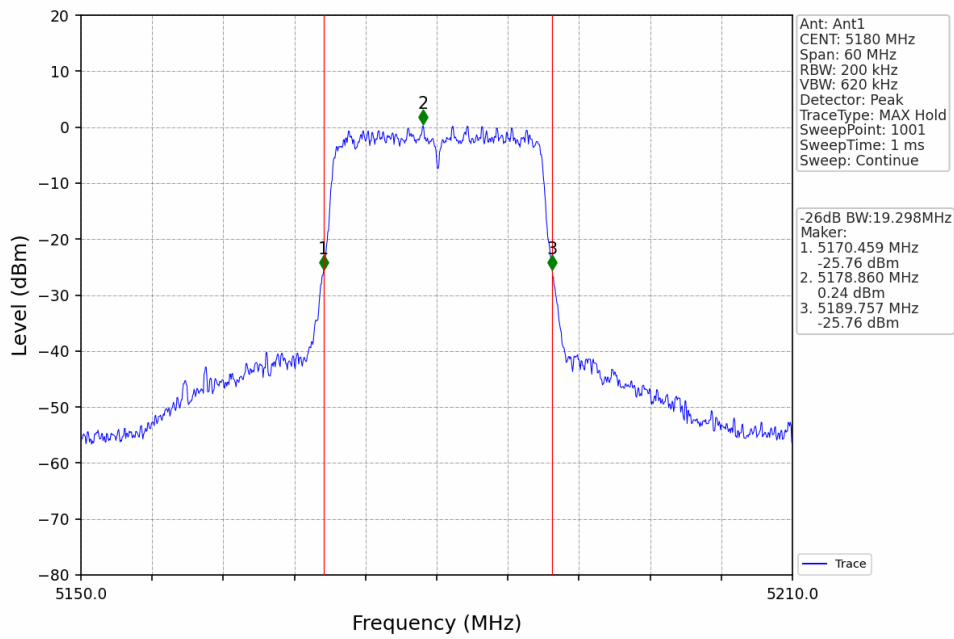


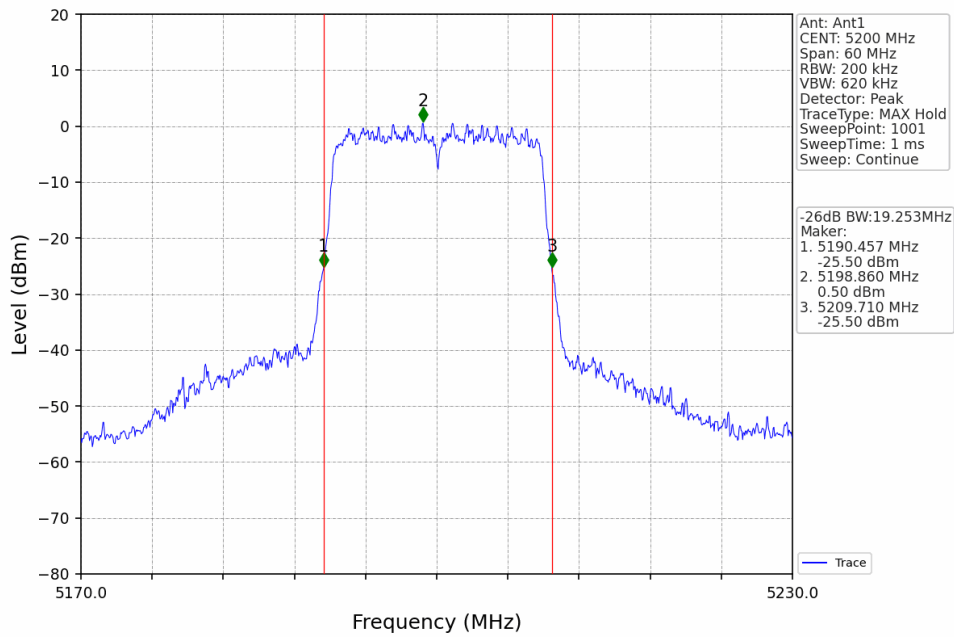
802.11a\_HCH\_5240MHz\_Ant1\_NTNV



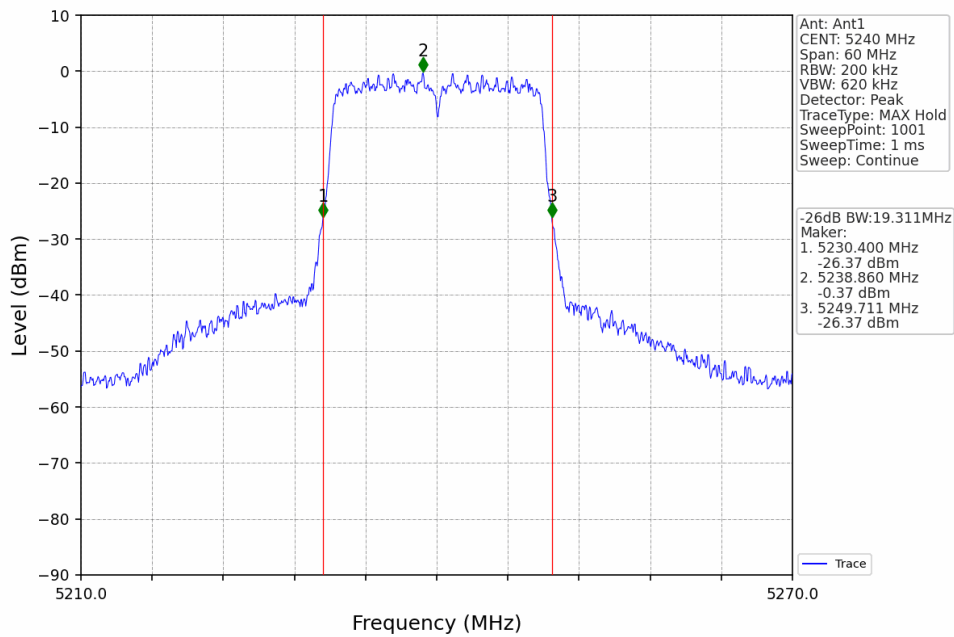
802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



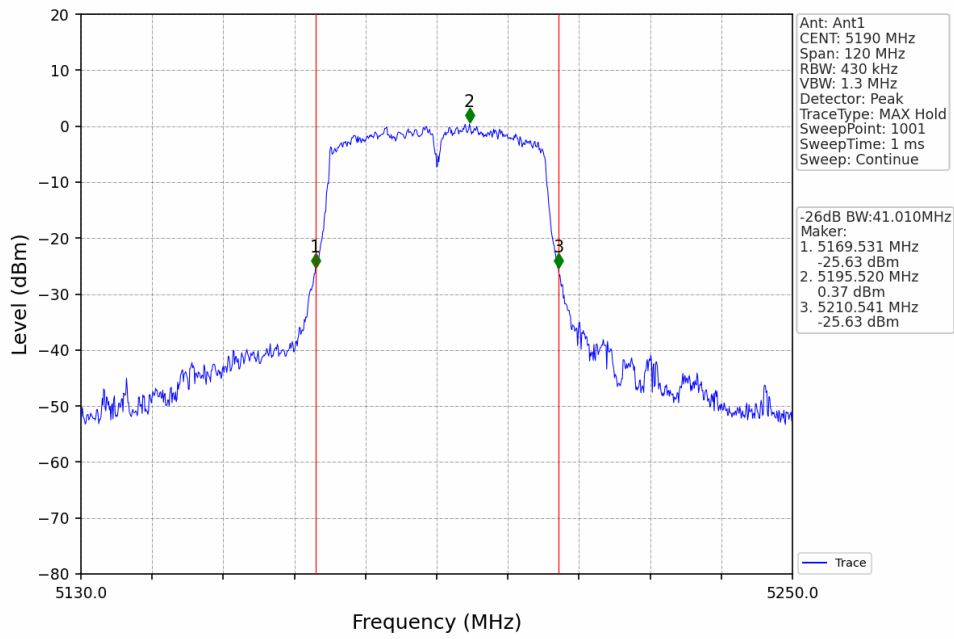
802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



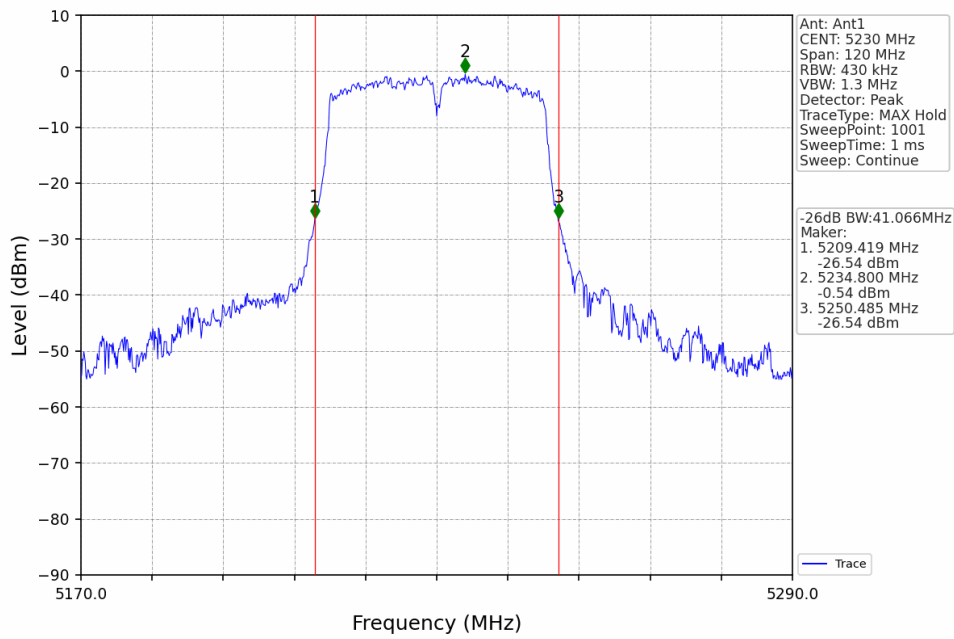
802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



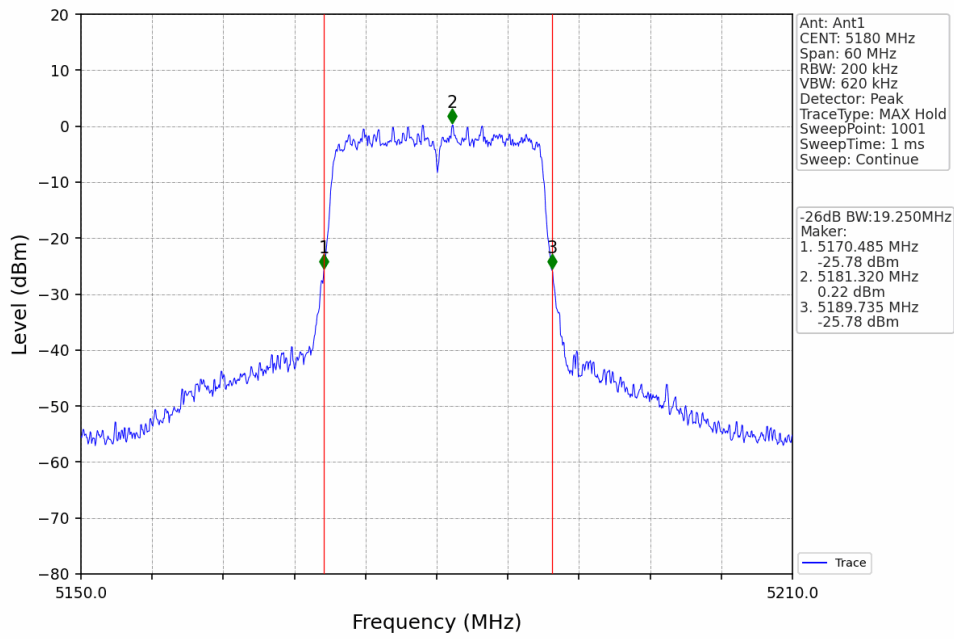
802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



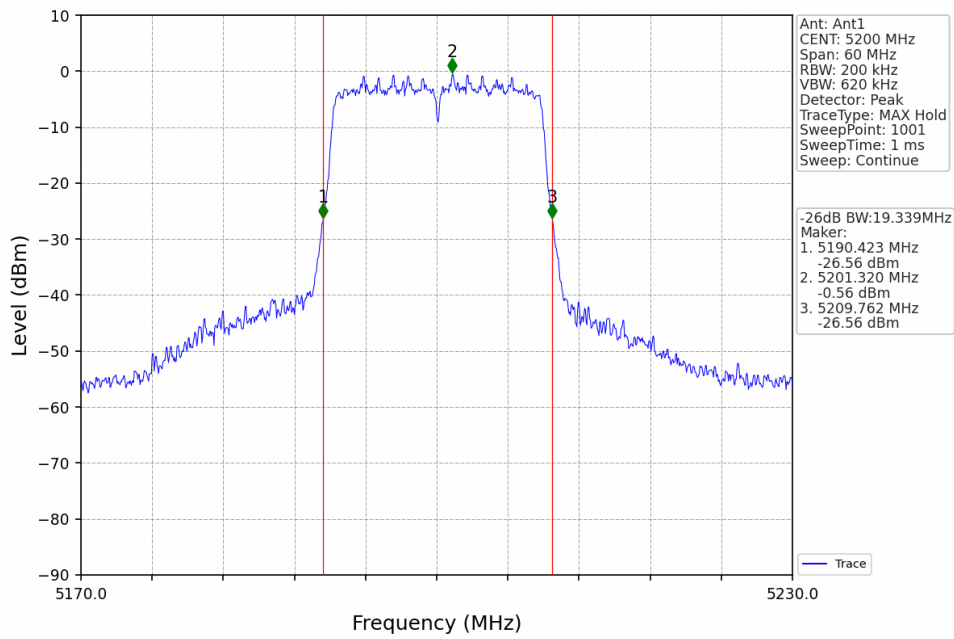
802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV

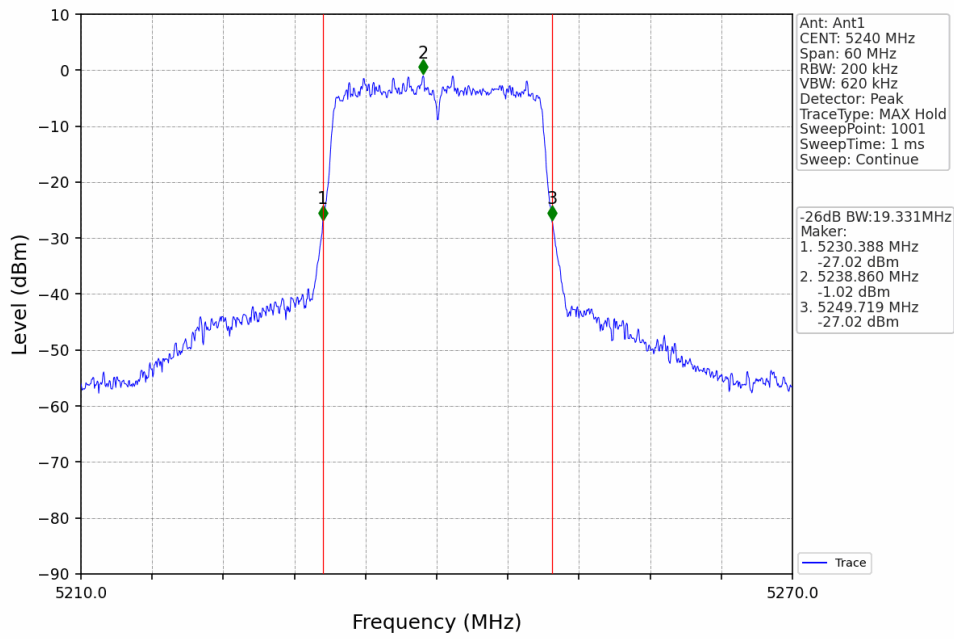


802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV

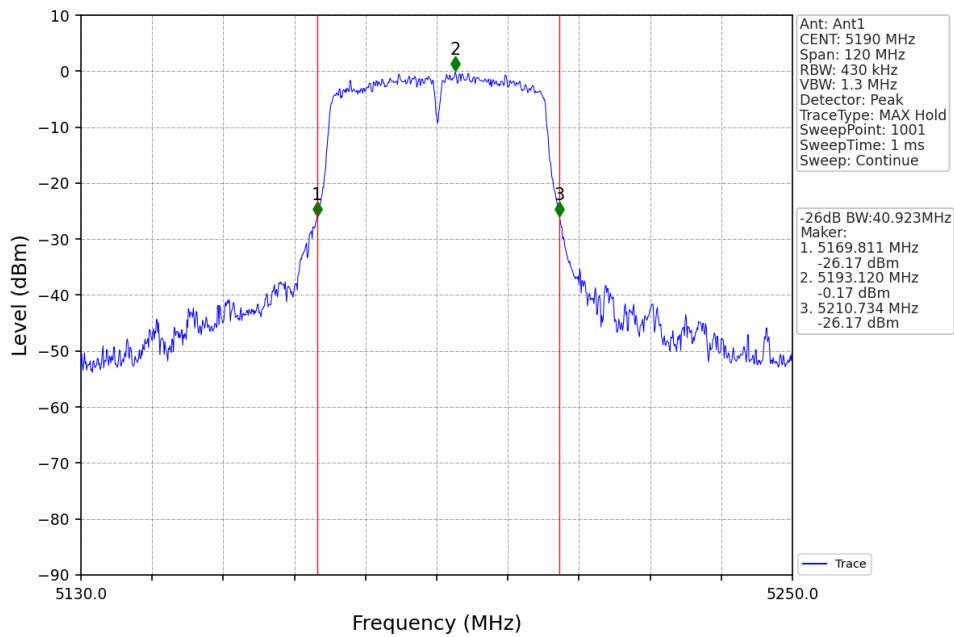




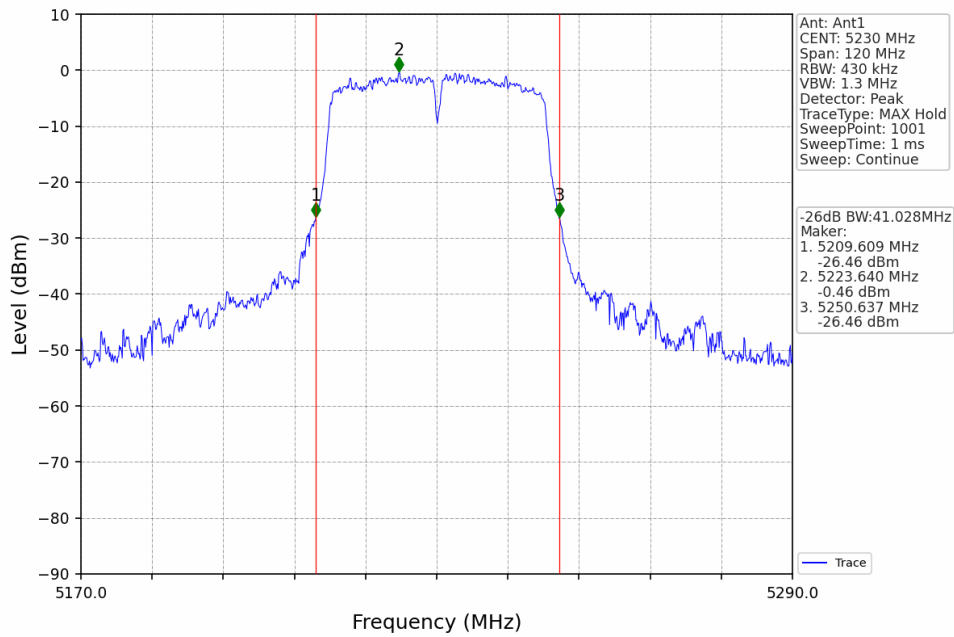
802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



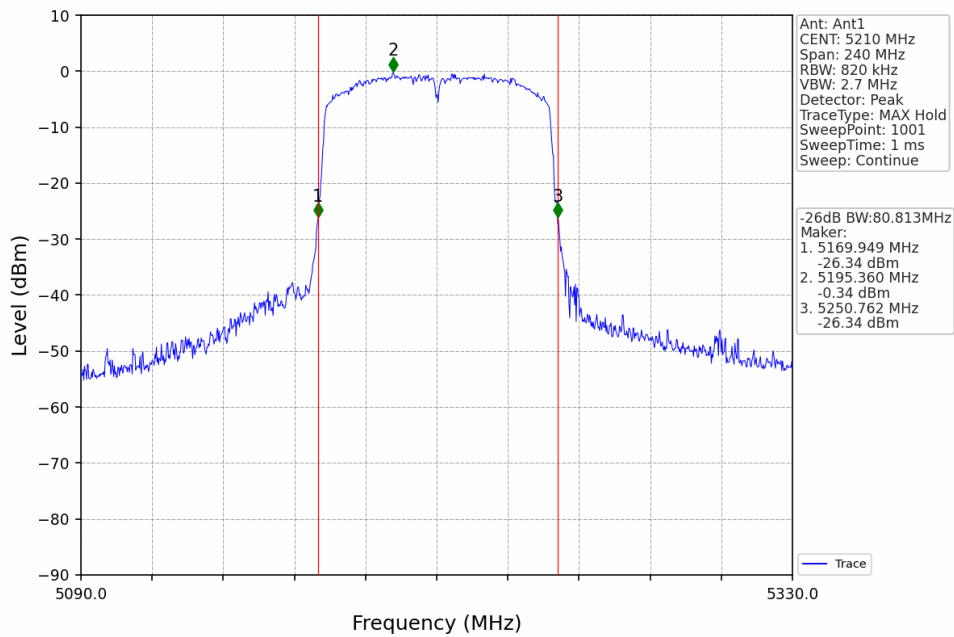
802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



## 3. Maximum Conducted Output Power

### 3.1 Power

#### 3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	10.09	8.97	/	<=23.98	Pass
		5200	10.20	9.16	/	<=23.98	Pass
		5240	9.42	8.70	/	<=23.98	Pass
		5745	10.22	7.60	/	<=30	Pass
		5785	9.64	7.24	/	<=30	Pass
		5825	9.23	7.21	/	<=30	Pass
802.11n (HT20)	MIMO	5180	10.43	9.03	12.80	<=23.98	Pass
		5200	10.45	9.35	12.95	<=23.98	Pass
		5240	9.57	8.71	12.17	<=23.98	Pass
		5745	10.08	7.22	11.89	<=30	Pass
		5785	9.62	7.00	11.51	<=30	Pass
		5825	9.15	6.64	11.08	<=30	Pass
802.11n (HT40)	MIMO	5190	10.70	8.93	12.91	<=23.98	Pass
		5230	9.45	8.33	11.94	<=23.98	Pass
		5755	10.54	7.99	12.46	<=30	Pass
		5795	9.77	7.23	11.69	<=30	Pass
802.11ac (VHT20)	MIMO	5180	10.14	8.16	12.27	<=23.98	Pass
		5200	9.53	8.32	11.98	<=23.98	Pass
		5240	8.57	7.55	11.10	<=23.98	Pass
		5745	9.85	7.24	11.75	<=30	Pass
		5785	9.13	6.66	11.08	<=30	Pass
		5825	8.85	6.38	10.80	<=30	Pass
802.11ac (VHT40)	MIMO	5190	10.11	8.79	12.51	<=23.98	Pass
		5230	9.33	8.17	11.80	<=23.98	Pass
		5755	10.31	7.90	12.28	<=30	Pass
		5795	9.62	7.37	11.65	<=30	Pass
802.11ac (VHT80)	MIMO	5210	10.72	9.37	13.11	<=23.98	Pass
		5775	10.97	7.85	12.69	<=30	Pass

Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi;  
 Note2: Directional Gain: 2.00dBi  
 Note3: Test result contains DCCF



## 4. Maximum Power Spectral Density

### 4.1 PSD

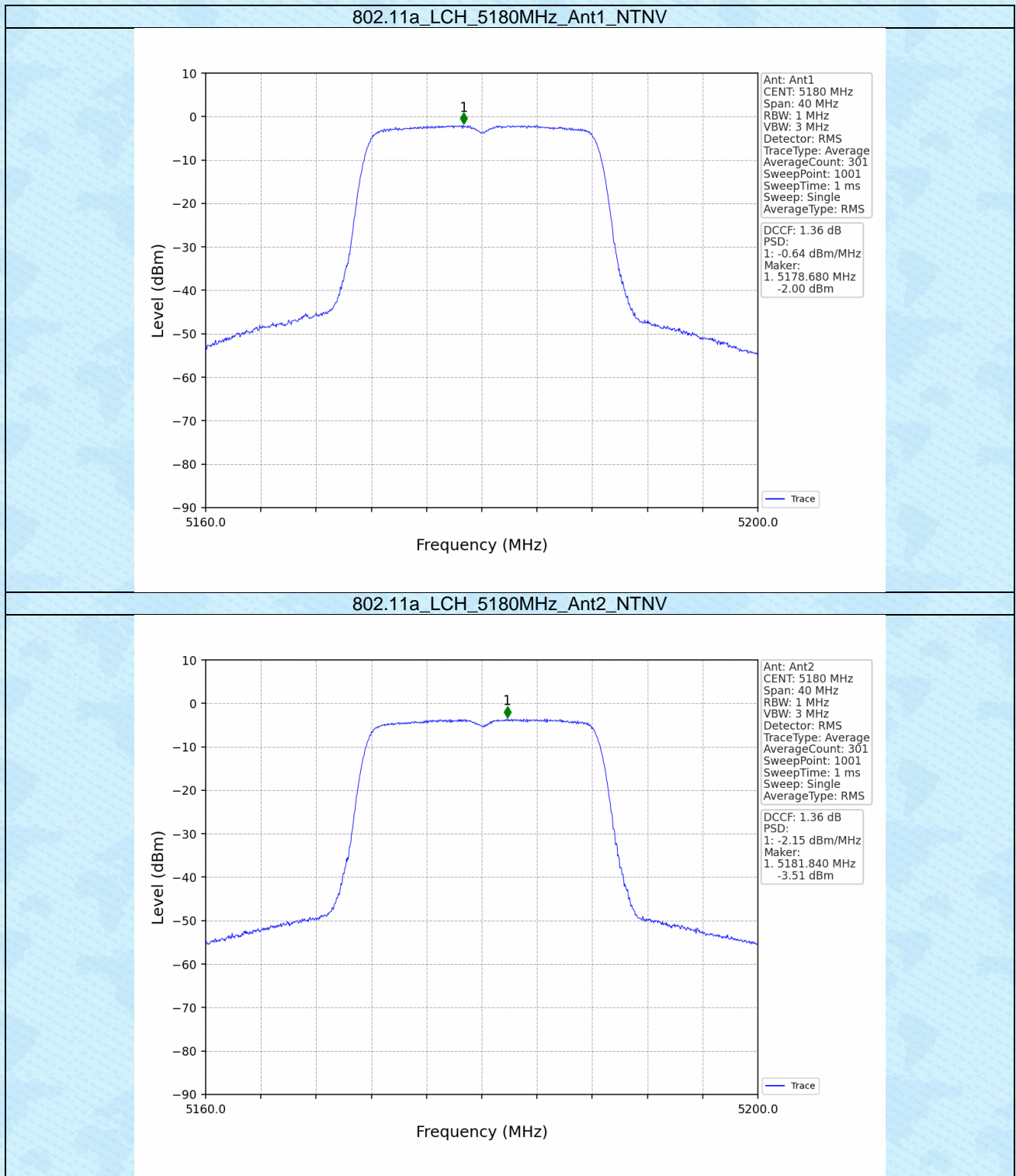
#### 4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	-0.64	-2.15	/	<=11	Pass
		5200	-1.13	-1.51	/	<=11	Pass
		5240	-1.60	-2.52	/	<=11	Pass
802.11n (HT20)	MIMO	5180	-1.28	-2.46	1.13	<=11	Pass
		5200	-1.10	-1.98	1.32	<=11	Pass
		5240	-1.62	-2.80	0.71	<=11	Pass
802.11n (HT40)	MIMO	5190	-3.37	-5.05	-1.25	<=11	Pass
		5230	-4.51	-5.72	-2.16	<=11	Pass
802.11ac (VHT20)	MIMO	5180	-1.08	-3.08	0.94	<=11	Pass
		5200	-1.63	-2.81	0.64	<=11	Pass
		5240	-2.78	-3.88	-0.44	<=11	Pass
802.11ac (VHT40)	MIMO	5190	-4.01	-5.06	-1.60	<=11	Pass
		5230	-4.90	-5.86	-2.53	<=11	Pass
802.11ac (VHT80)	MIMO	5210	-5.96	-7.46	-3.88	<=11	Pass

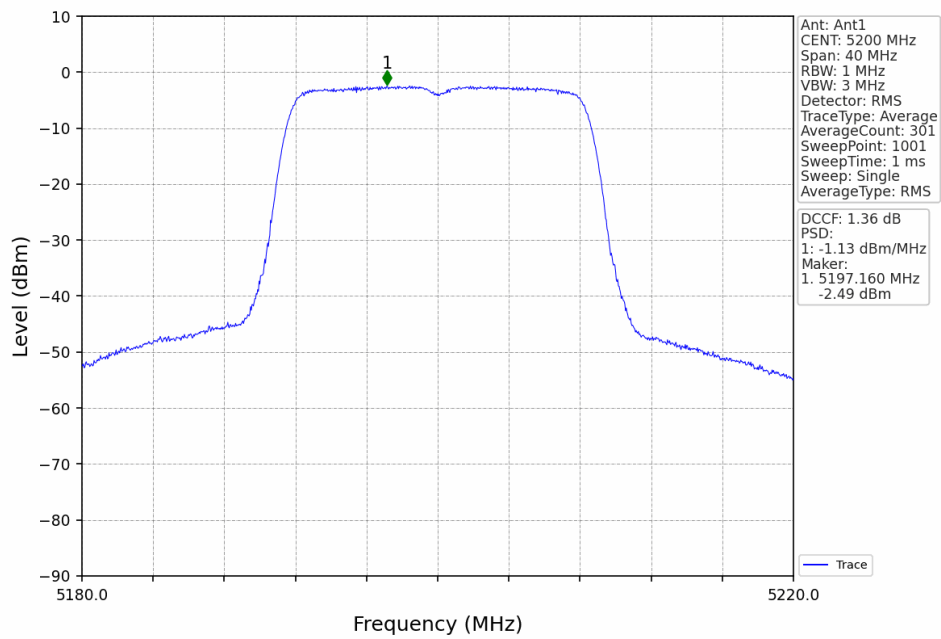
Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi;  
 Note2: Directional Gain: 5.01dBi  
 Note3: Test result contains DCCF



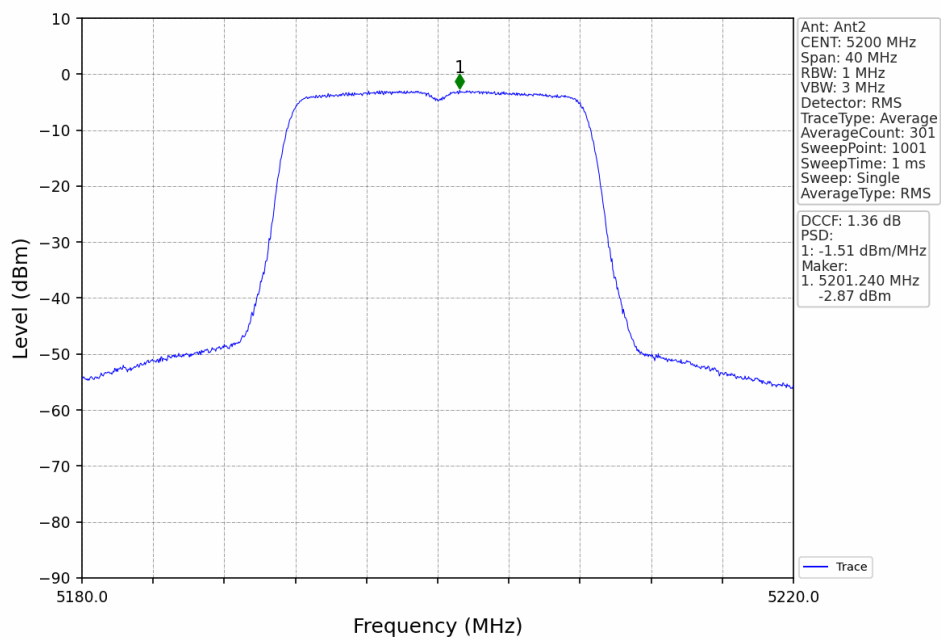
## 4.1.2 Test Graph



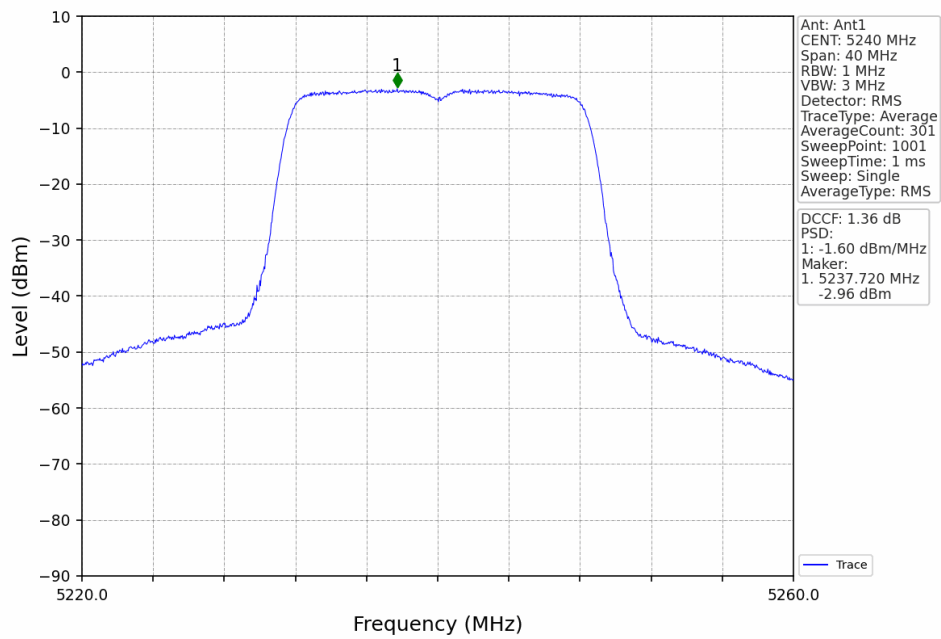
802.11a\_MCH\_5200MHz\_Ant1\_NTNV



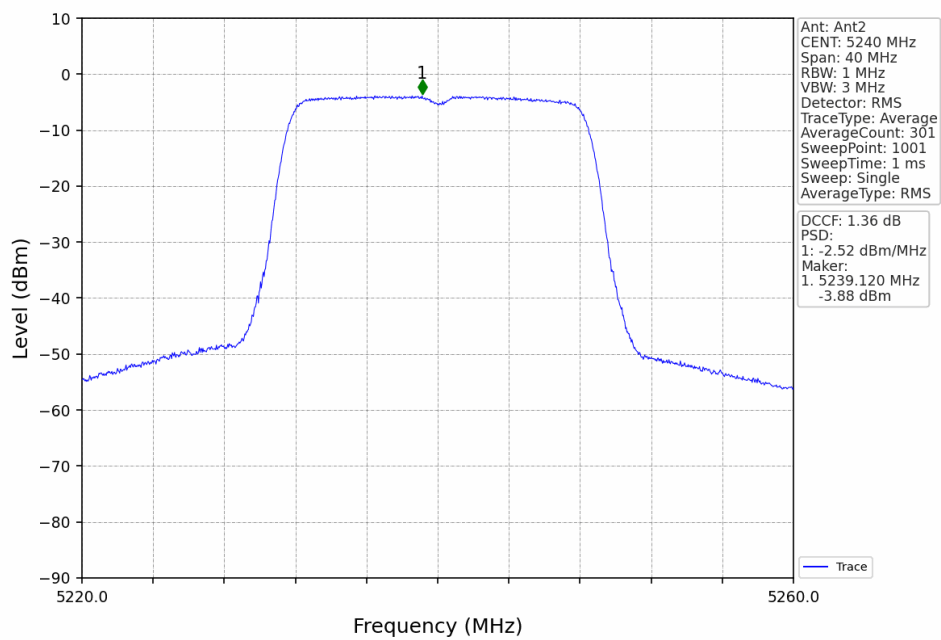
802.11a\_MCH\_5200MHz\_Ant2\_NTNV



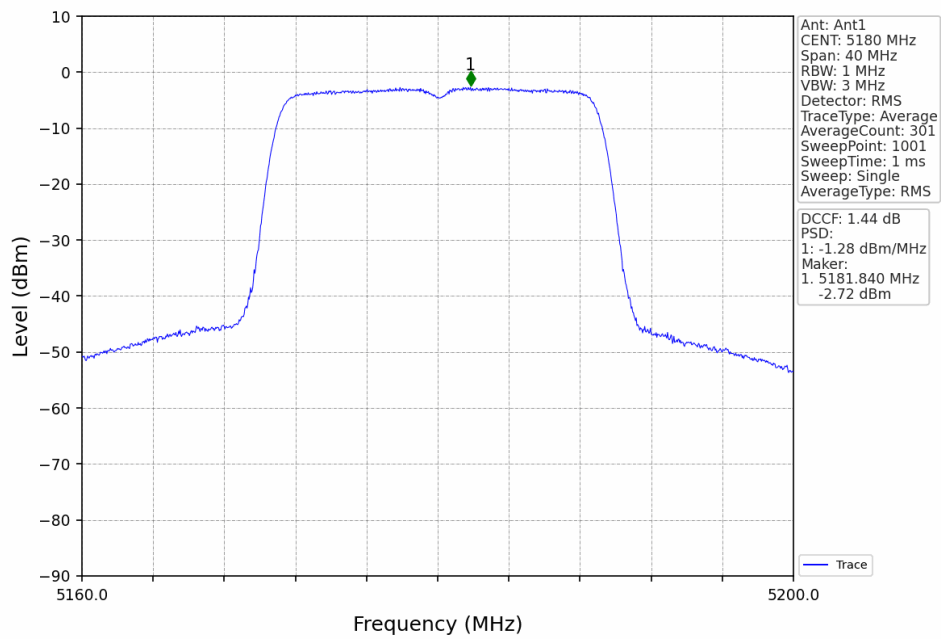
802.11a\_HCH\_5240MHz\_Ant1\_NTNV



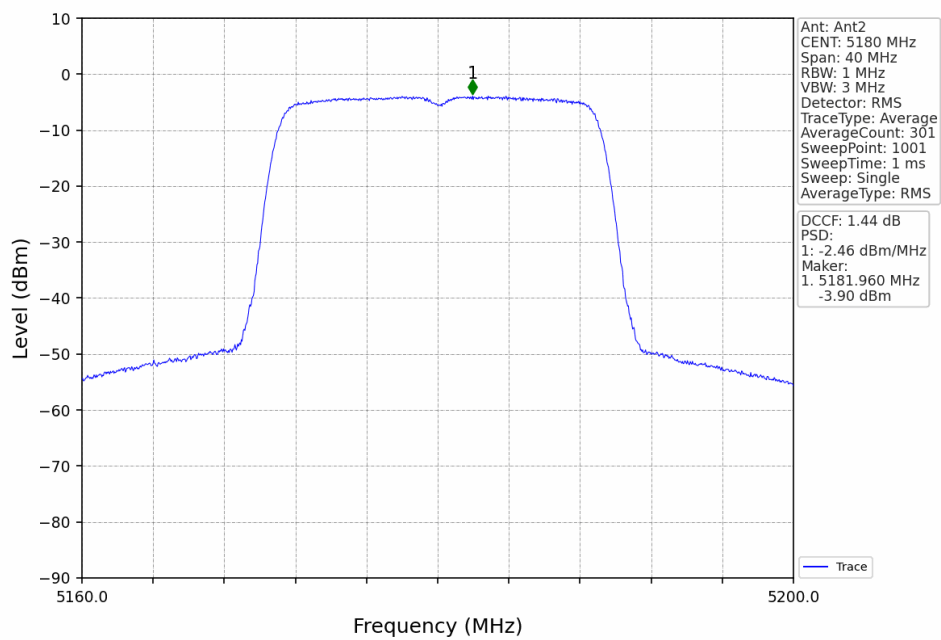
802.11a\_HCH\_5240MHz\_Ant2\_NTNV



802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV

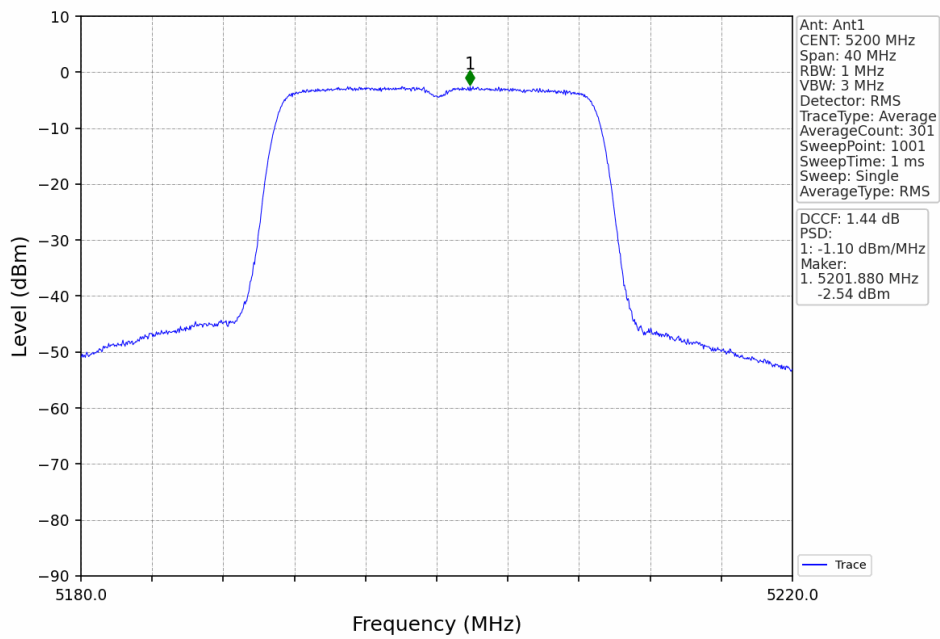


802.11n(HT20)\_LCH\_5180MHz\_Ant2\_NTNV

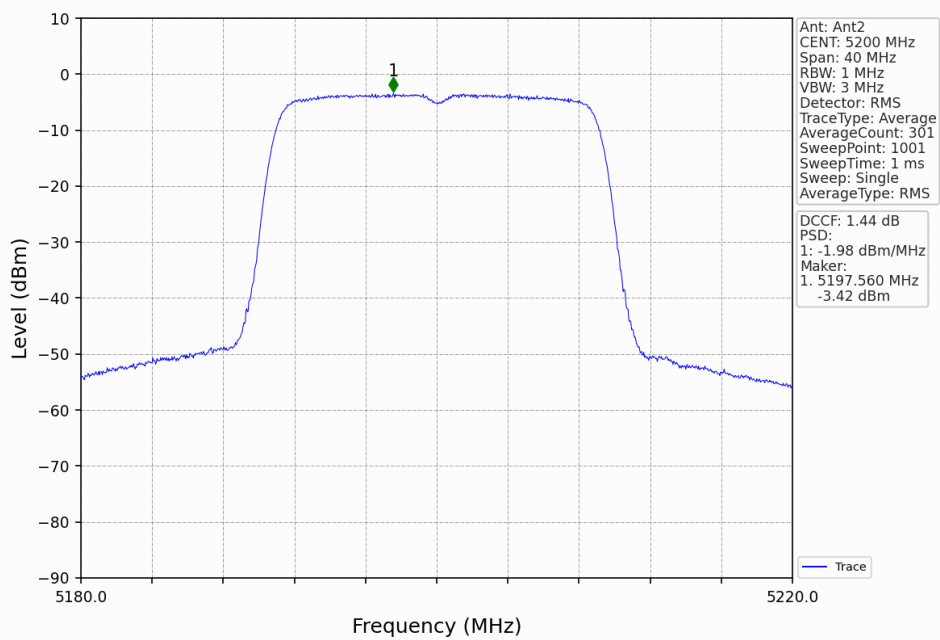




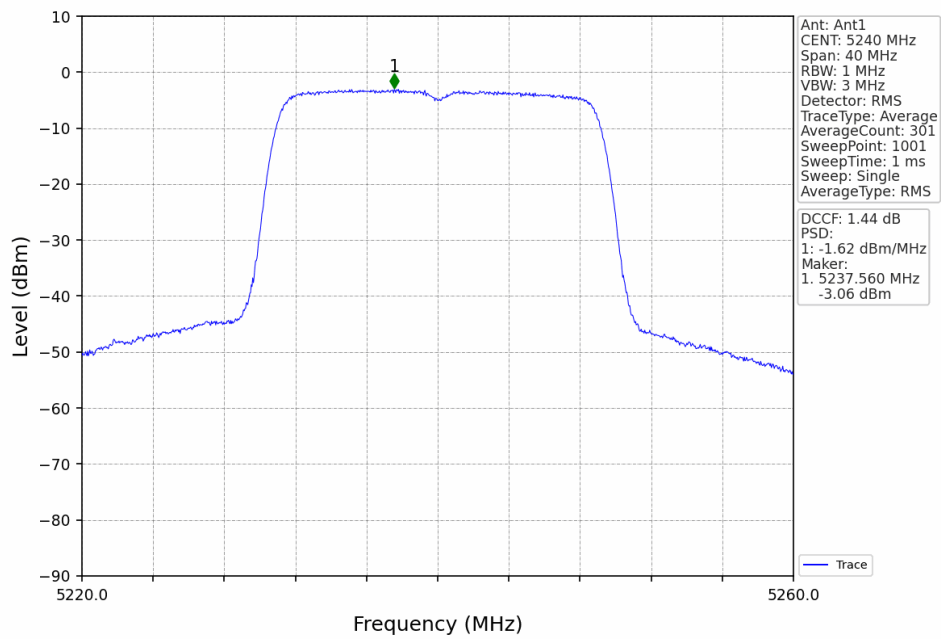
802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



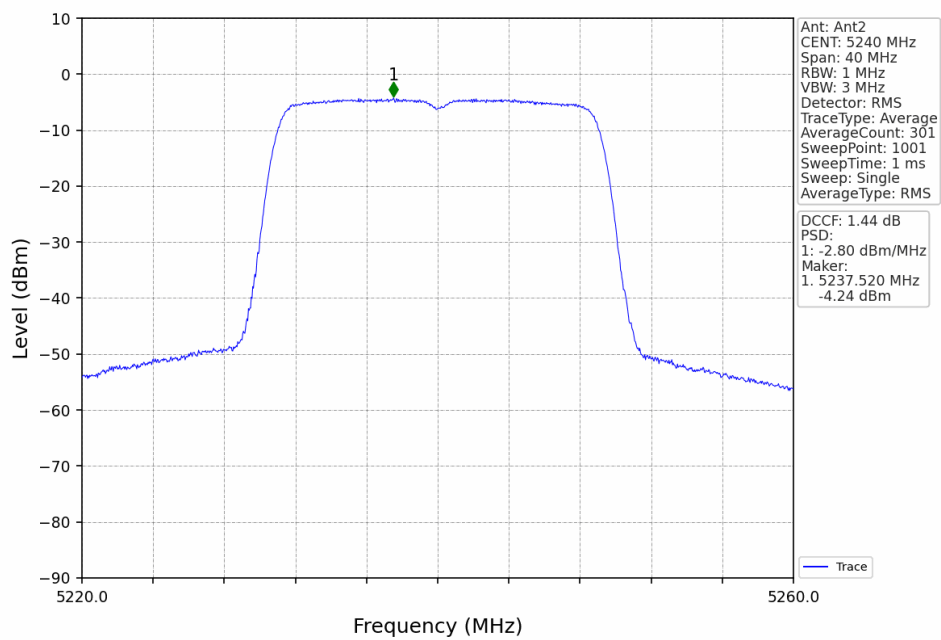
802.11n(HT20)\_MCH\_5200MHz\_Ant2\_NTNV



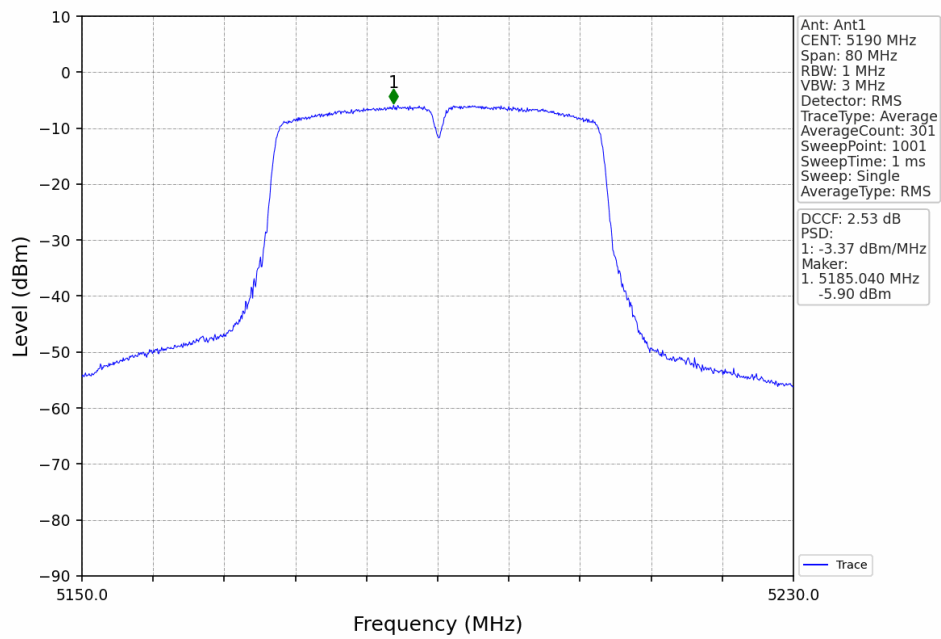
802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



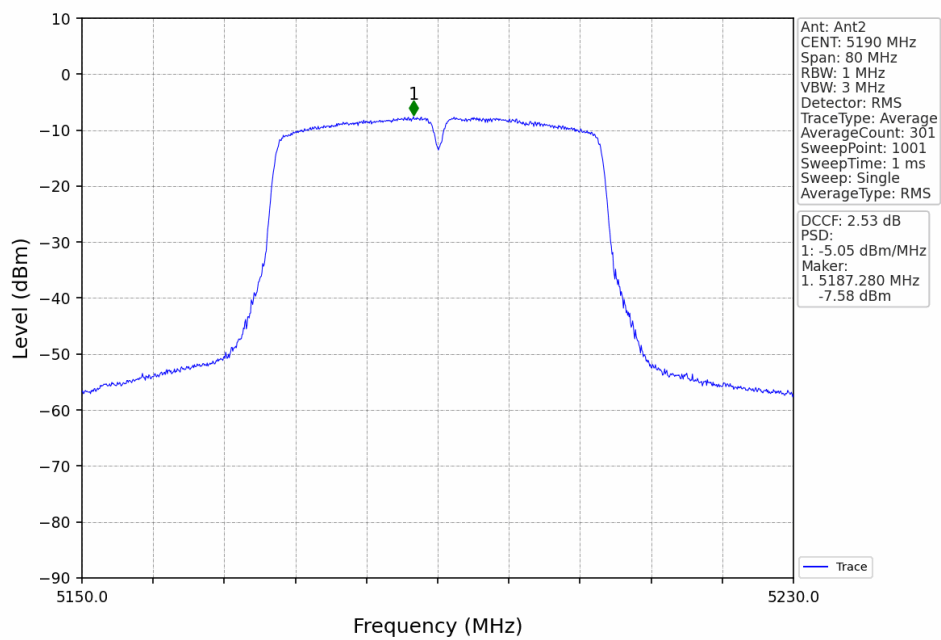
802.11n(HT20)\_HCH\_5240MHz\_Ant2\_NTNV



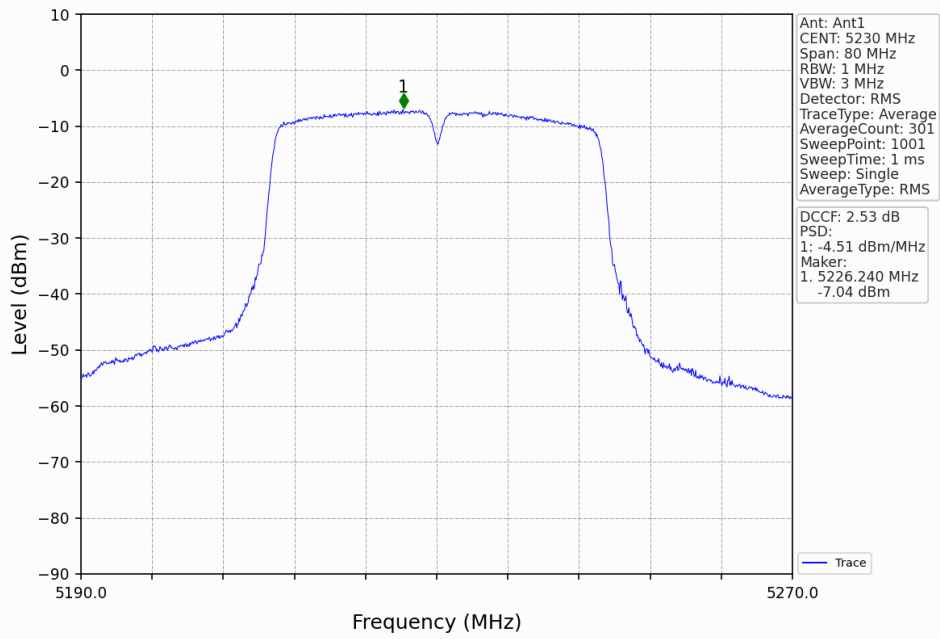
802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



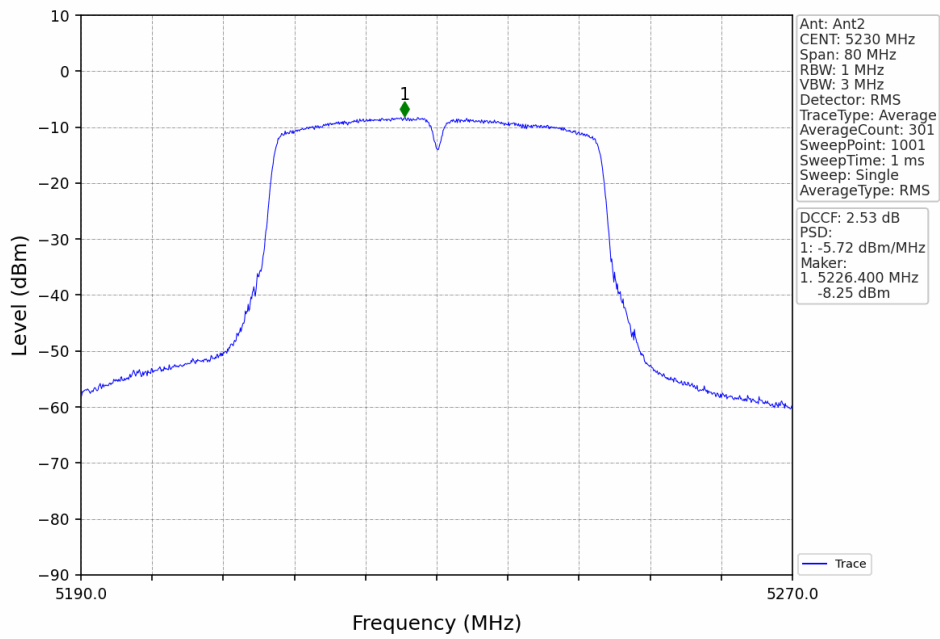
802.11n(HT40)\_LCH\_5190MHz\_Ant2\_NTNV



802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV

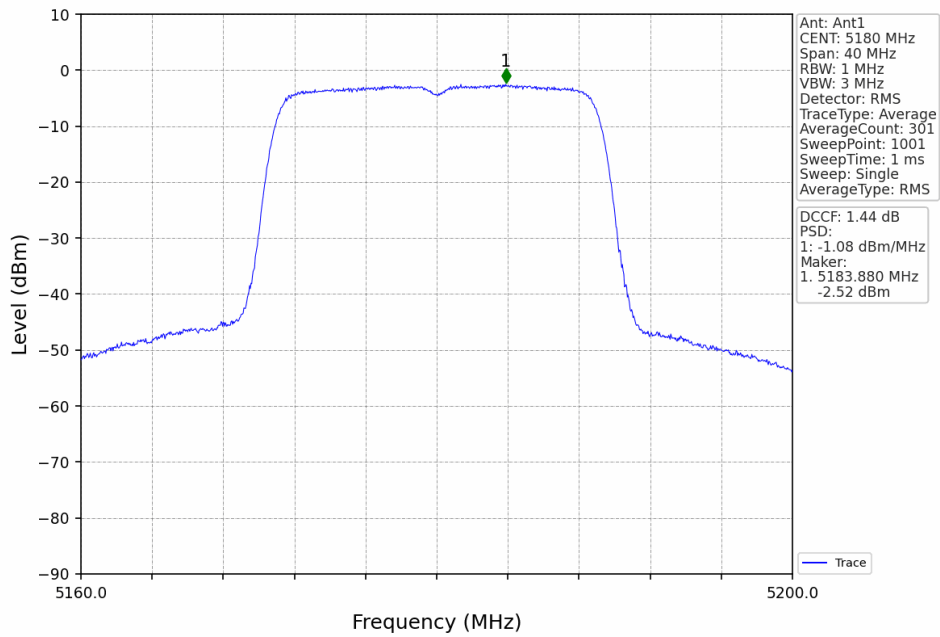


802.11n(HT40)\_HCH\_5230MHz\_Ant2\_NTNV

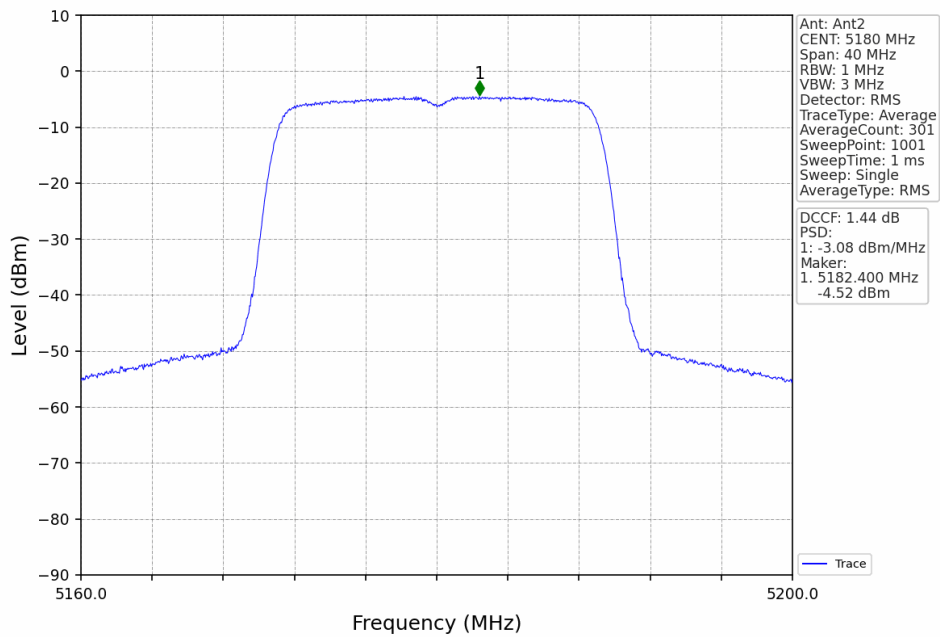




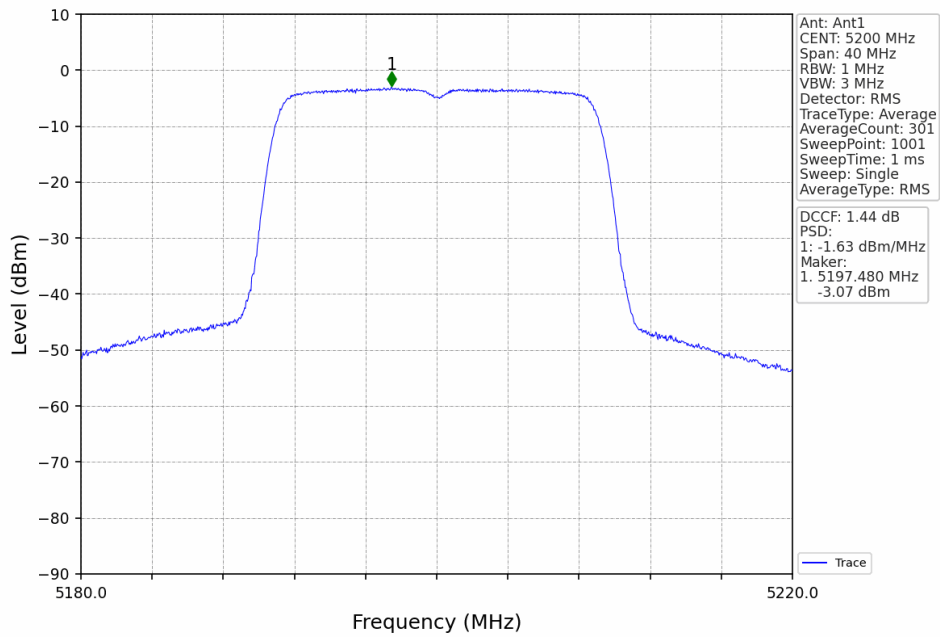
802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



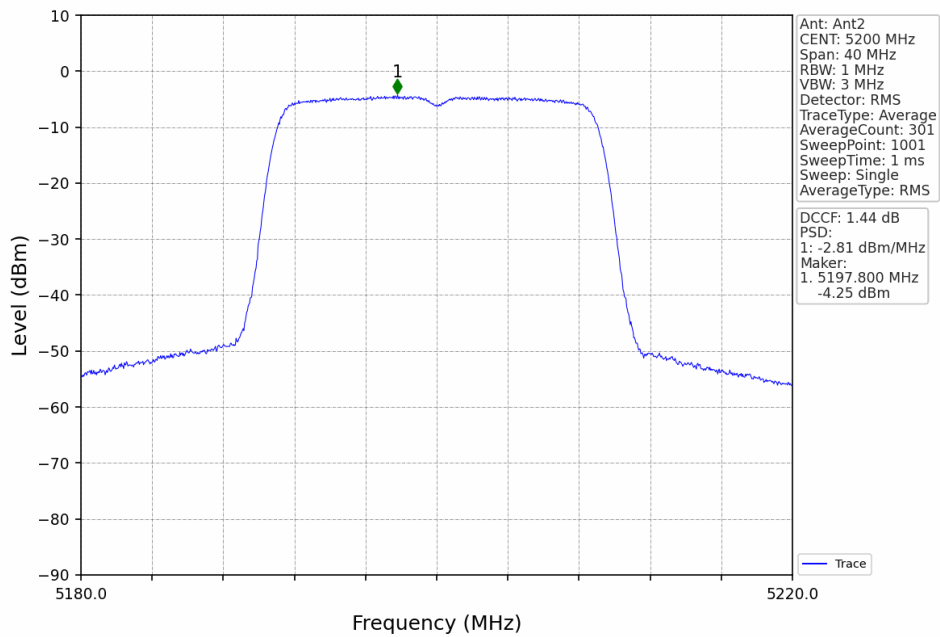
802.11ac(VHT20)\_LCH\_5180MHz\_Ant2\_NTNV



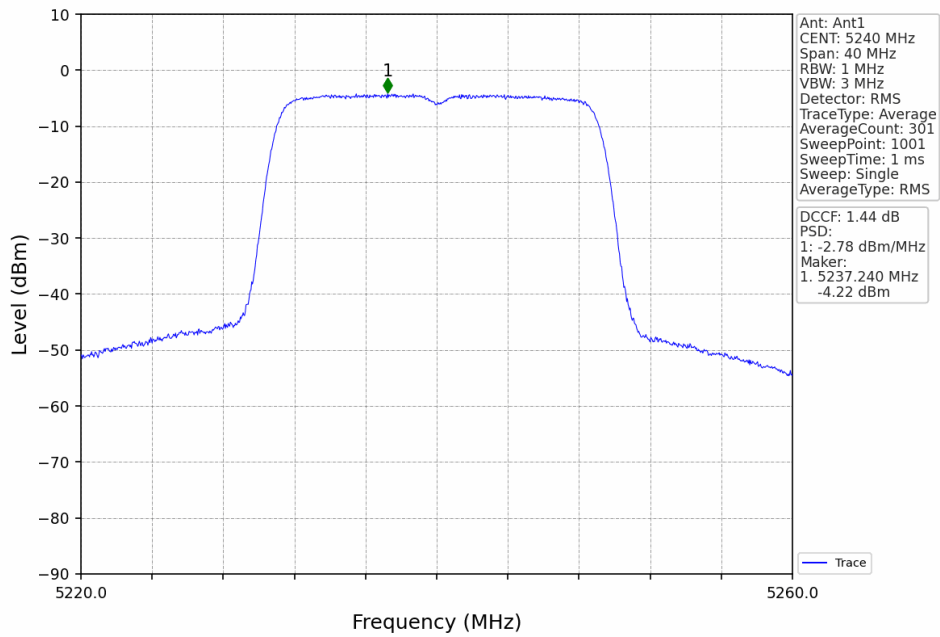
802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



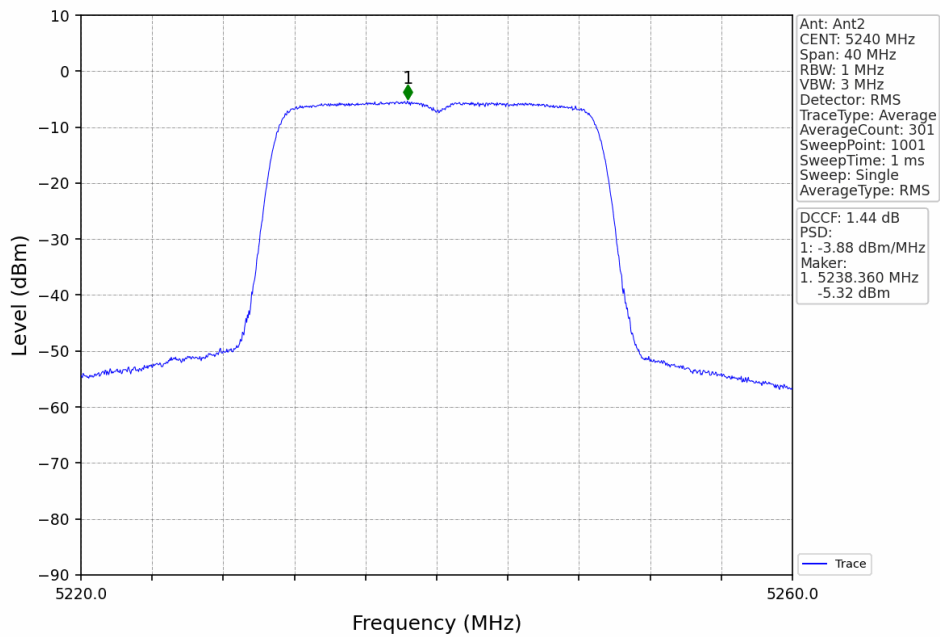
802.11ac(VHT20)\_MCH\_5200MHz\_Ant2\_NTNV



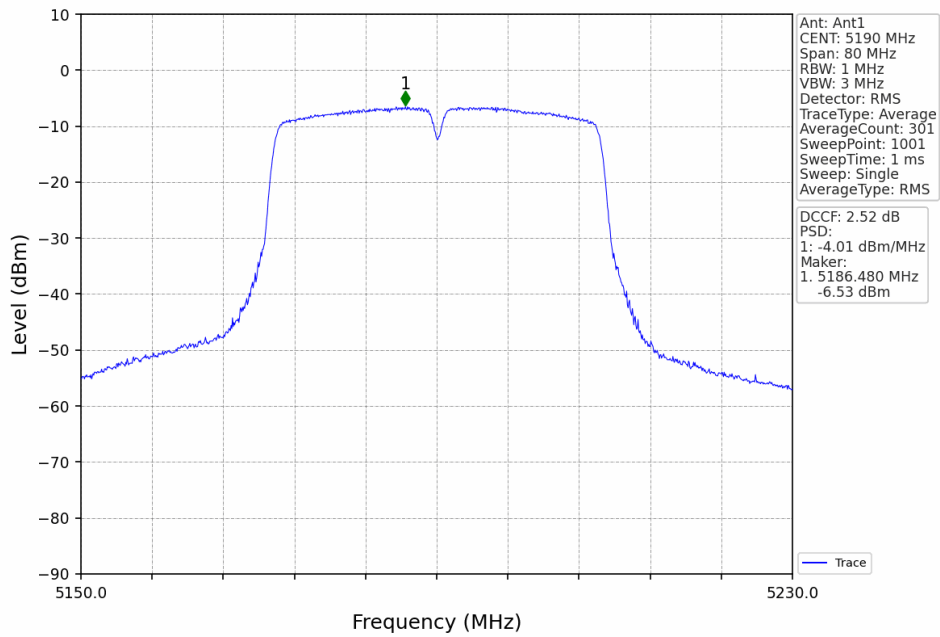
802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



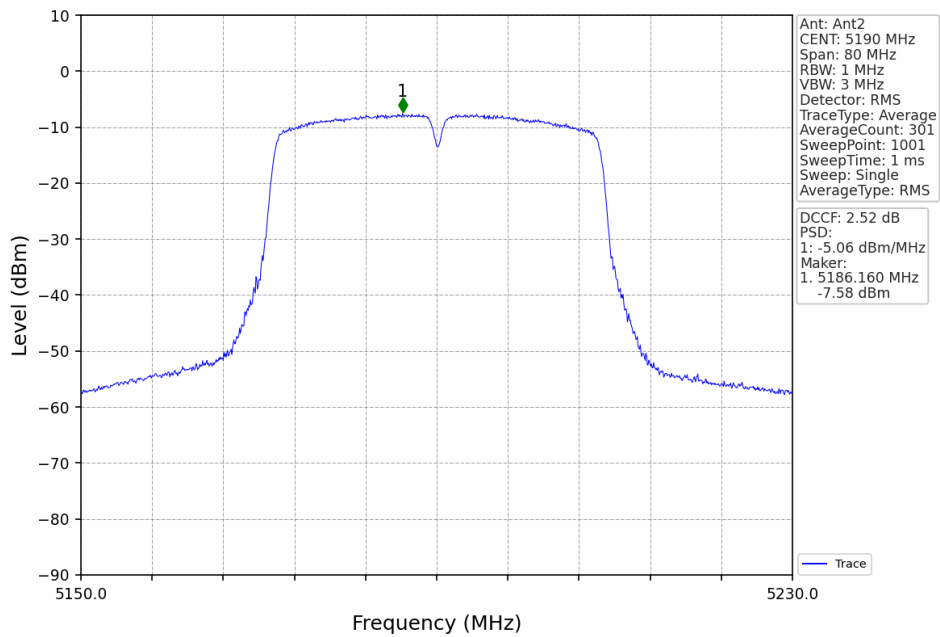
802.11ac(VHT20)\_HCH\_5240MHz\_Ant2\_NTNV



802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV

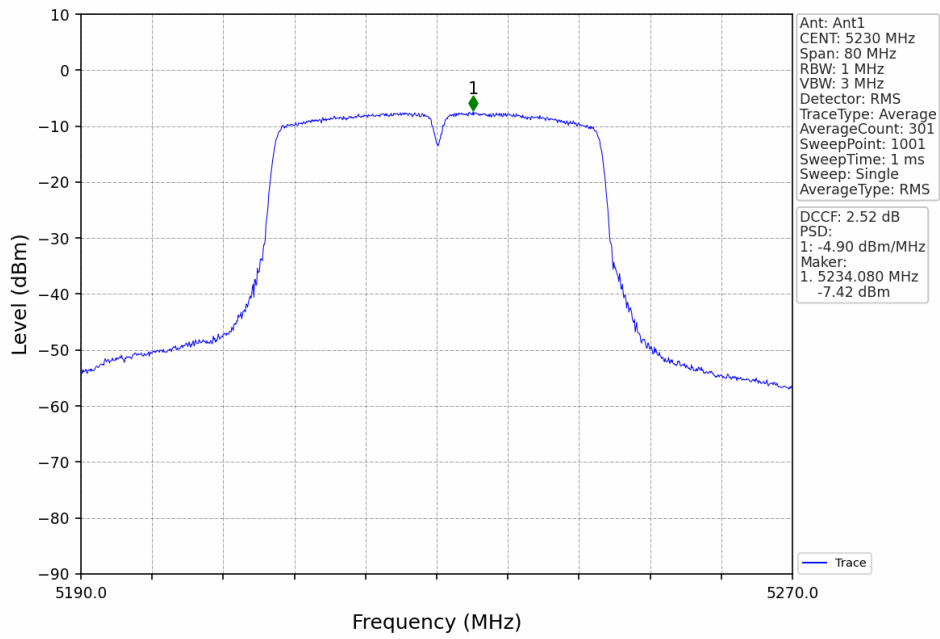


802.11ac(VHT40)\_LCH\_5190MHz\_Ant2\_NTNV

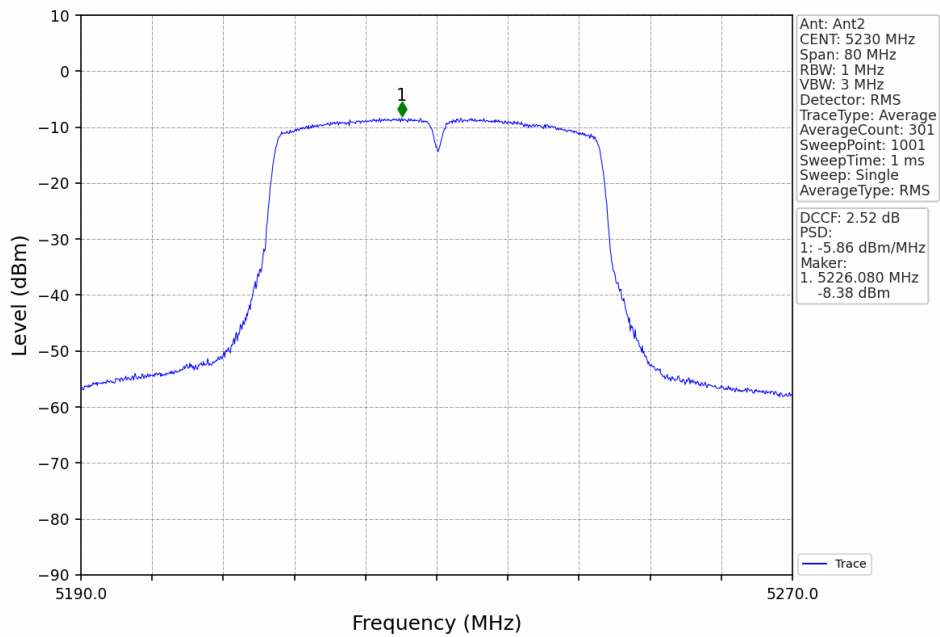




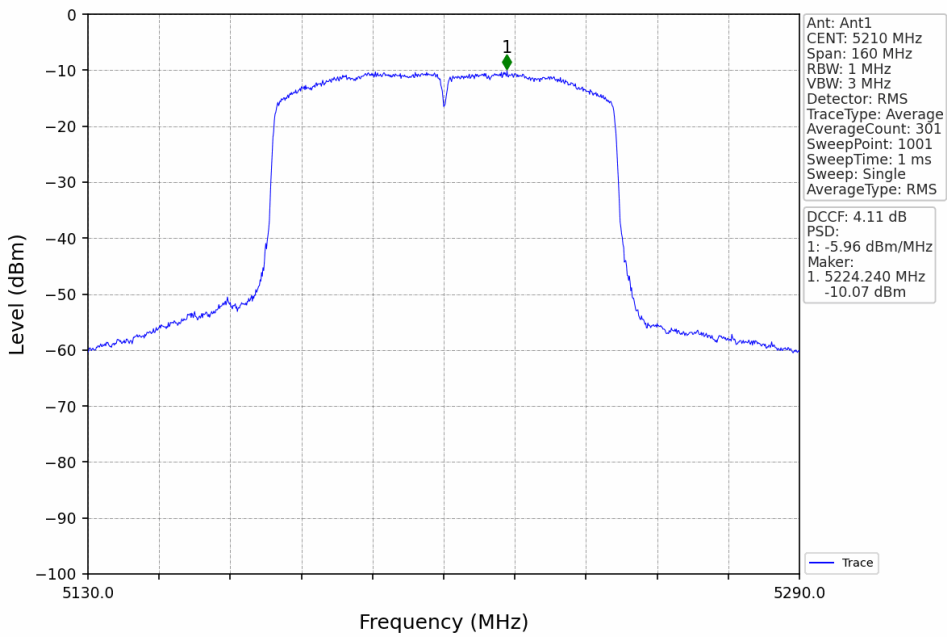
802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



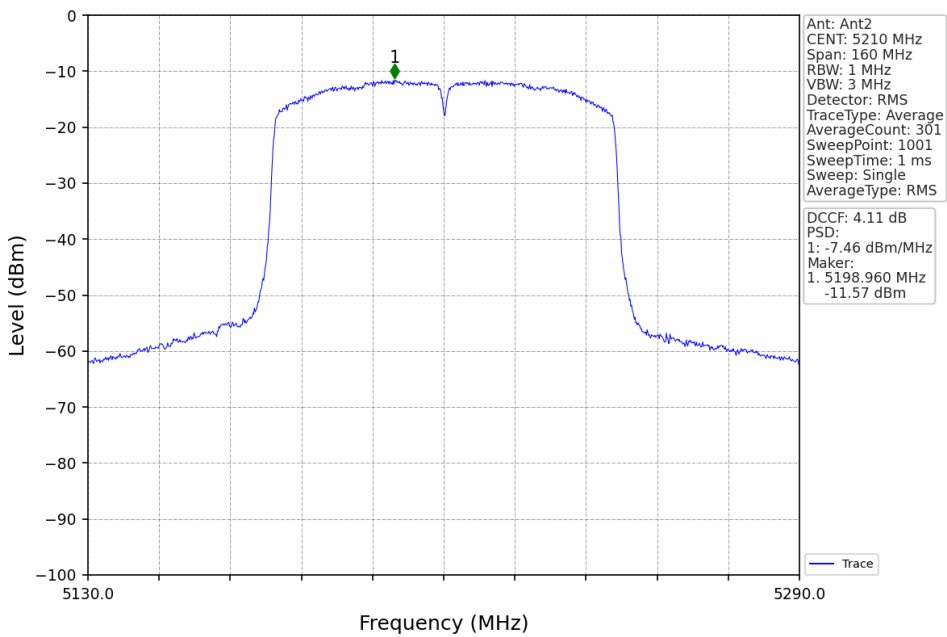
802.11ac(VHT40)\_HCH\_5230MHz\_Ant2\_NTNV



802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



802.11ac(VHT80)\_MCH\_5210MHz\_Ant2\_NTNV



## 4.2 PSD-Band3

### 4.2.1 Test Result

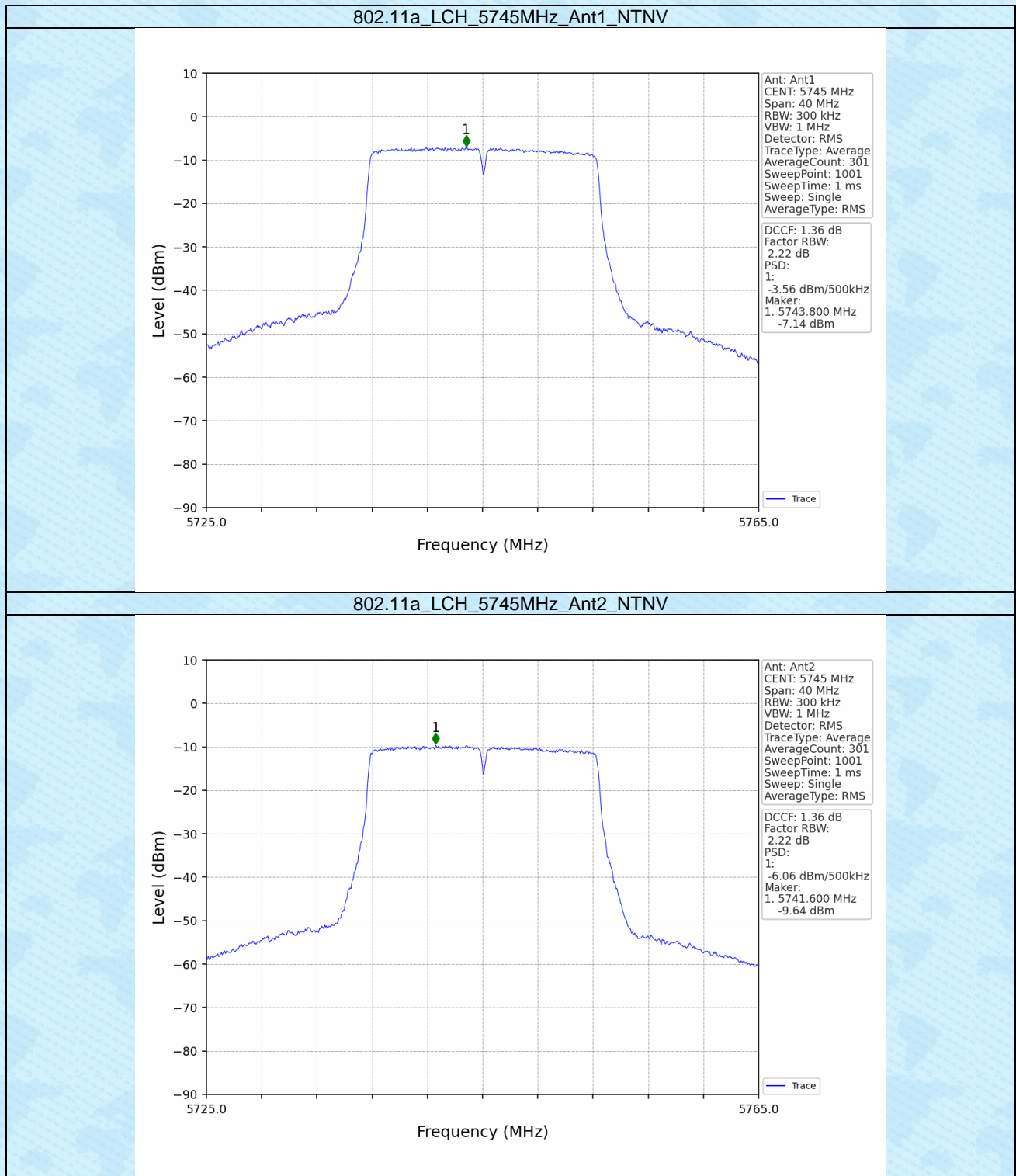
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5745	-3.56	-6.06	/	<=30	Pass
		5785	-3.93	-6.34	/	<=30	Pass
		5825	-4.65	-6.85	/	<=30	Pass
802.11n (HT20)	MIMO	5745	-4.13	-6.91	-2.45	<=30	Pass
		5785	-4.74	-7.25	-2.90	<=30	Pass
		5825	-5.19	-7.38	-3.14	<=30	Pass
802.11n (HT40)	MIMO	5755	-5.72	-8.82	-4.14	<=30	Pass
		5795	-6.84	-9.46	-5.04	<=30	Pass
802.11ac (VHT20)	MIMO	5745	-4.28	-6.95	-2.40	<=30	Pass
		5785	-4.95	-7.39	-3.06	<=30	Pass
		5825	-5.49	-7.81	-3.58	<=30	Pass
802.11ac (VHT40)	MIMO	5755	-6.39	-9.01	-4.72	<=30	Pass
		5795	-6.98	-9.16	-5.15	<=30	Pass
802.11ac (VHT80)	MIMO	5775	-8.36	-11.36	-6.74	<=30	Pass

Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi;

Note2: Directional Gain: 5.01dBi

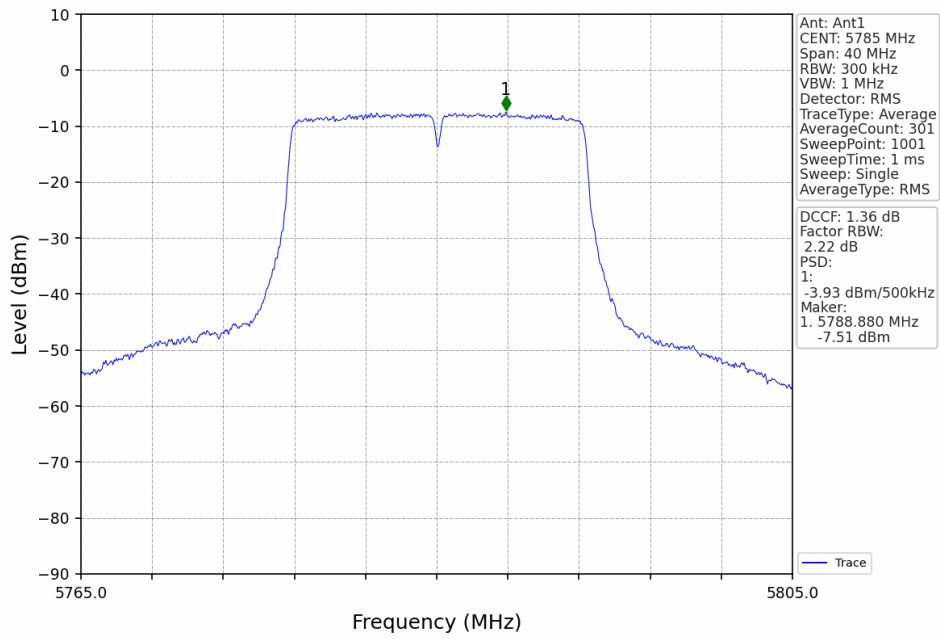
Note3: Test result contains DCCF and RBW factor

## 4.2.2 Test Graph

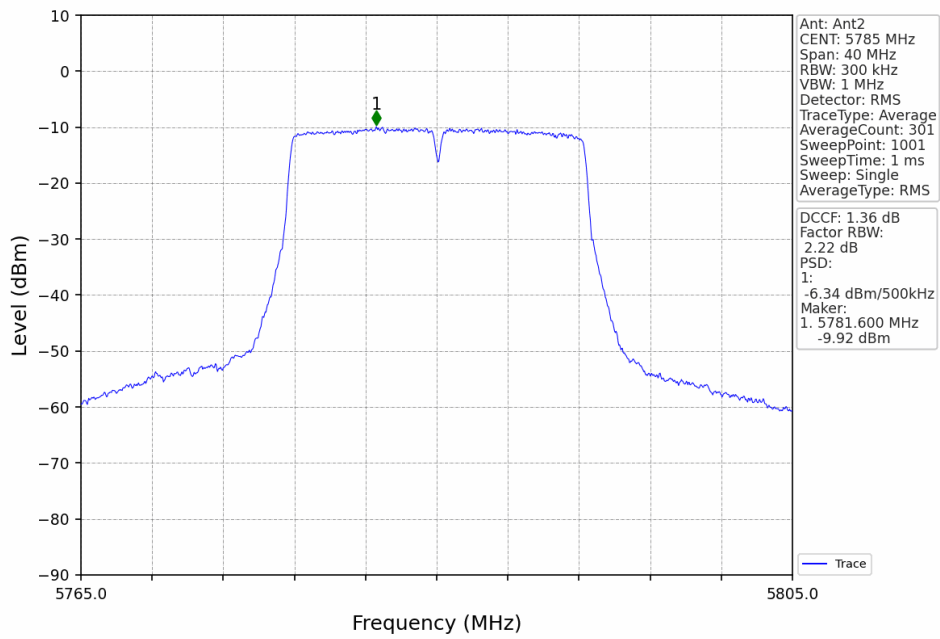




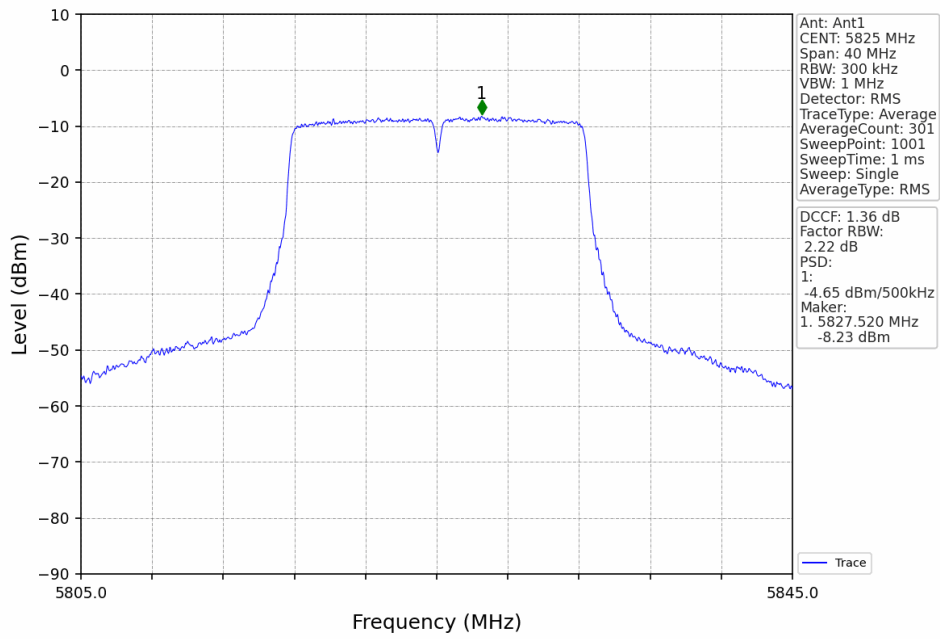
802.11a\_MCH\_5785MHz\_Ant1\_NTNV



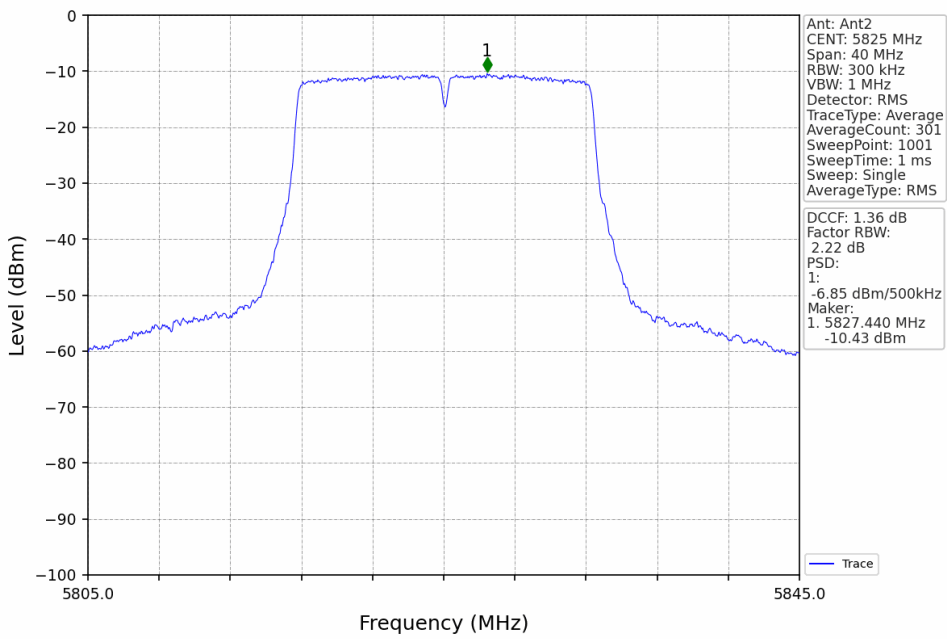
802.11a\_MCH\_5785MHz\_Ant2\_NTNV



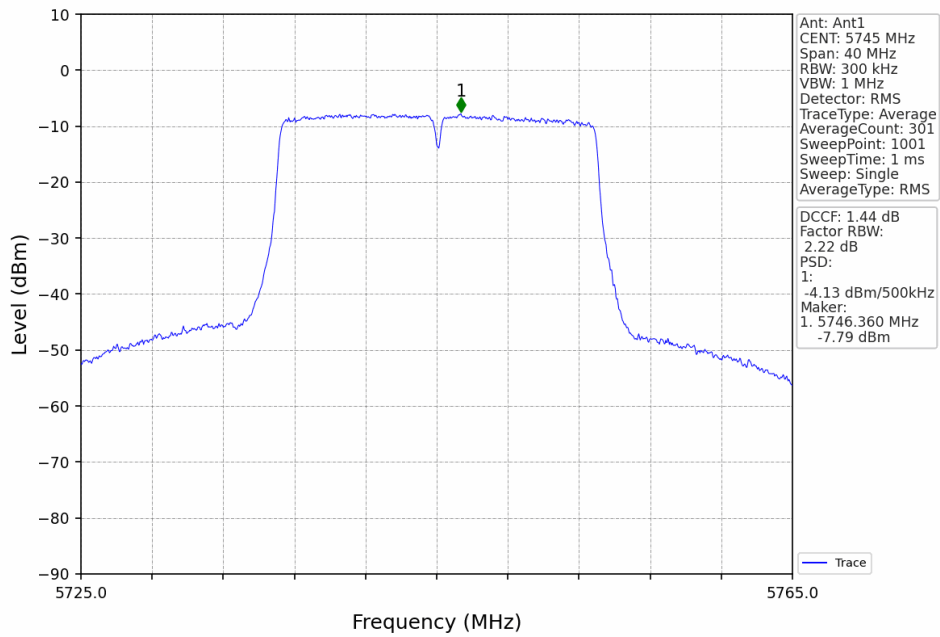
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



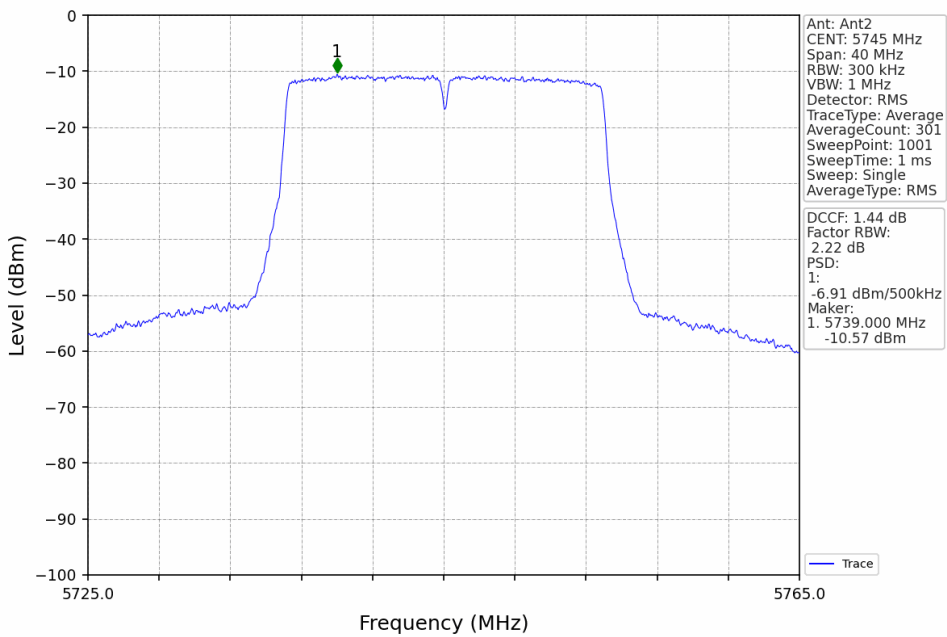
802.11a\_HCH\_5825MHz\_Ant2\_NTNV



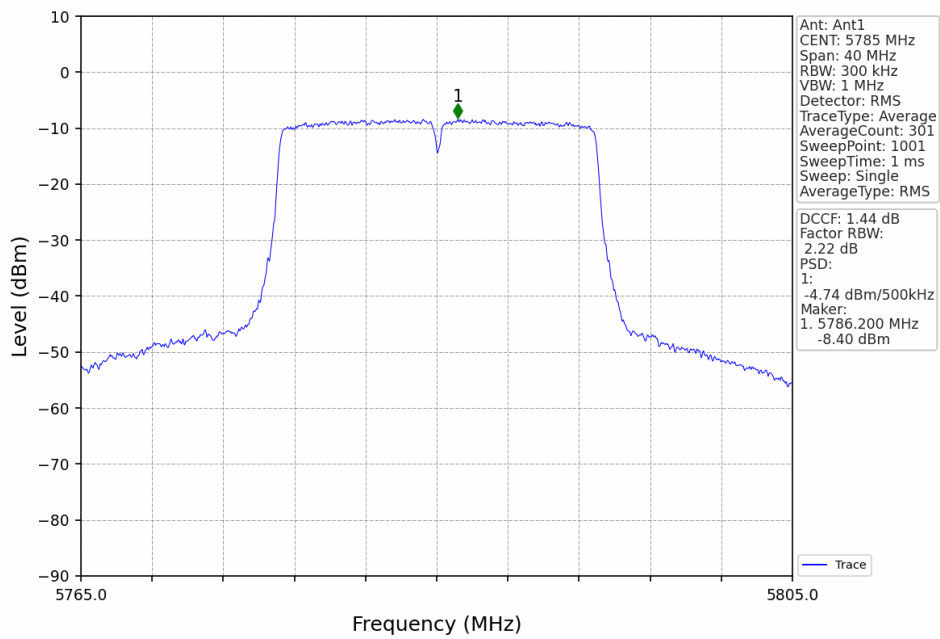
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



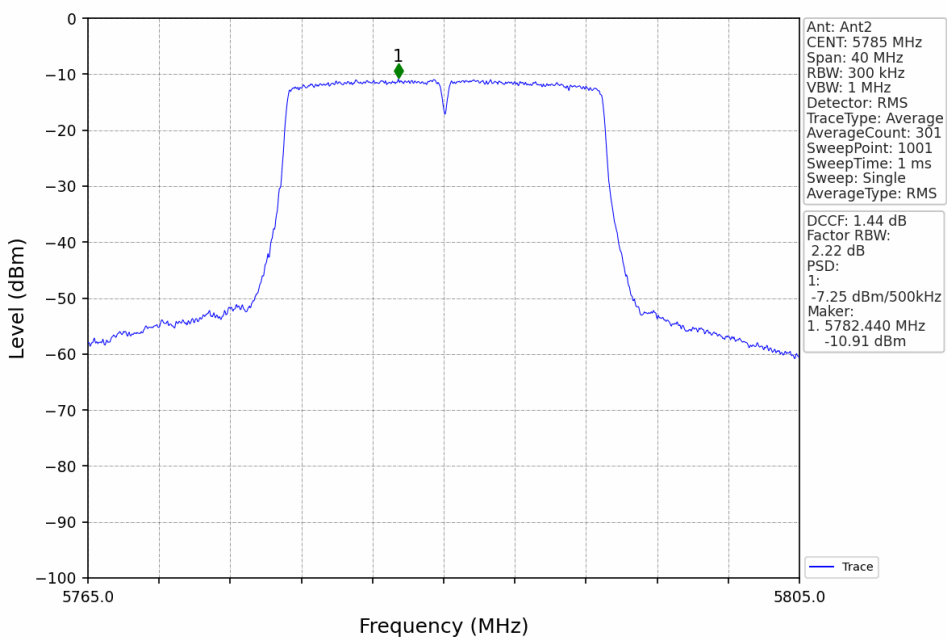
802.11n(HT20)\_LCH\_5745MHz\_Ant2\_NTNV



802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV

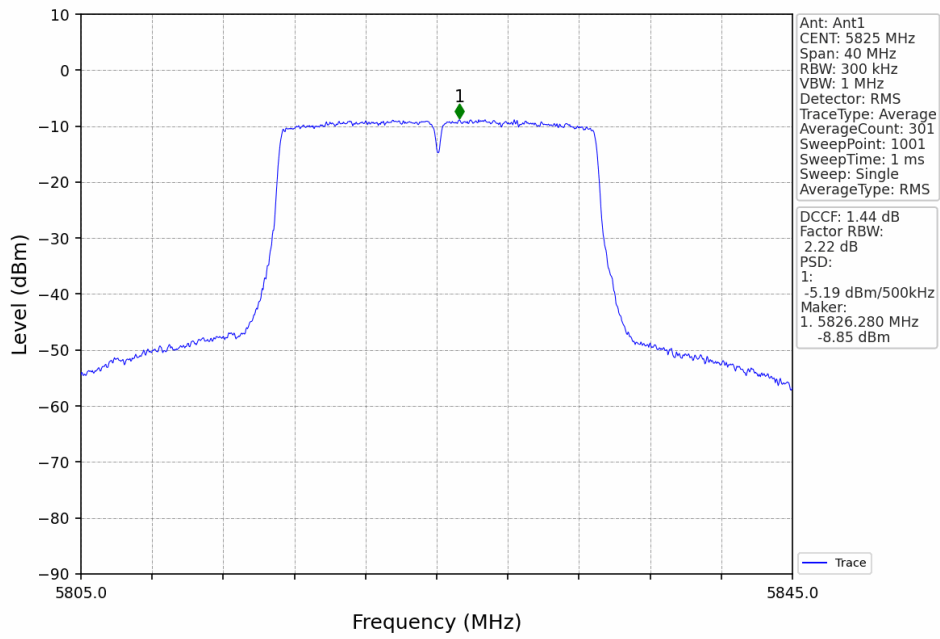


802.11n(HT20)\_MCH\_5785MHz\_Ant2\_NTNV

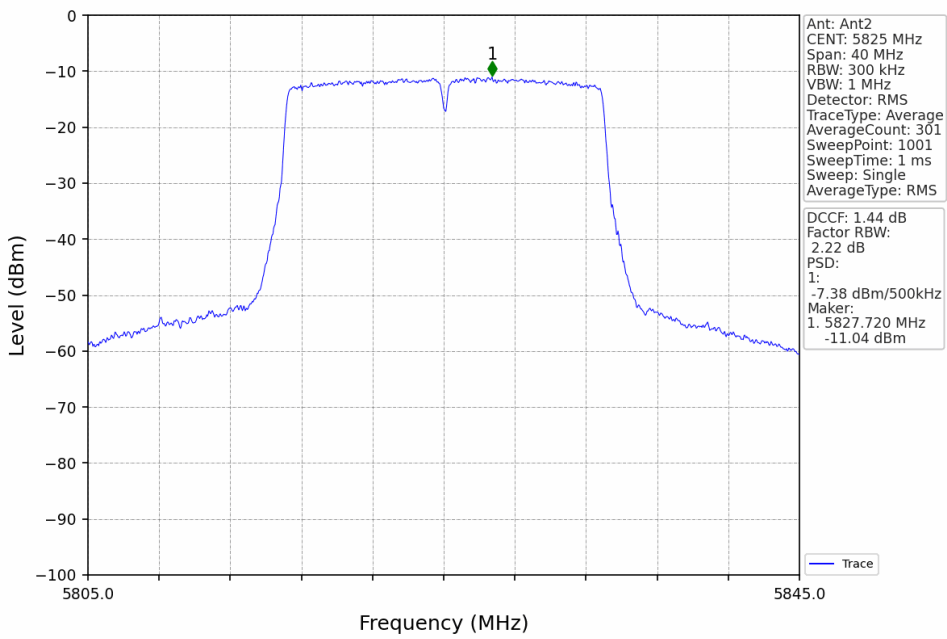




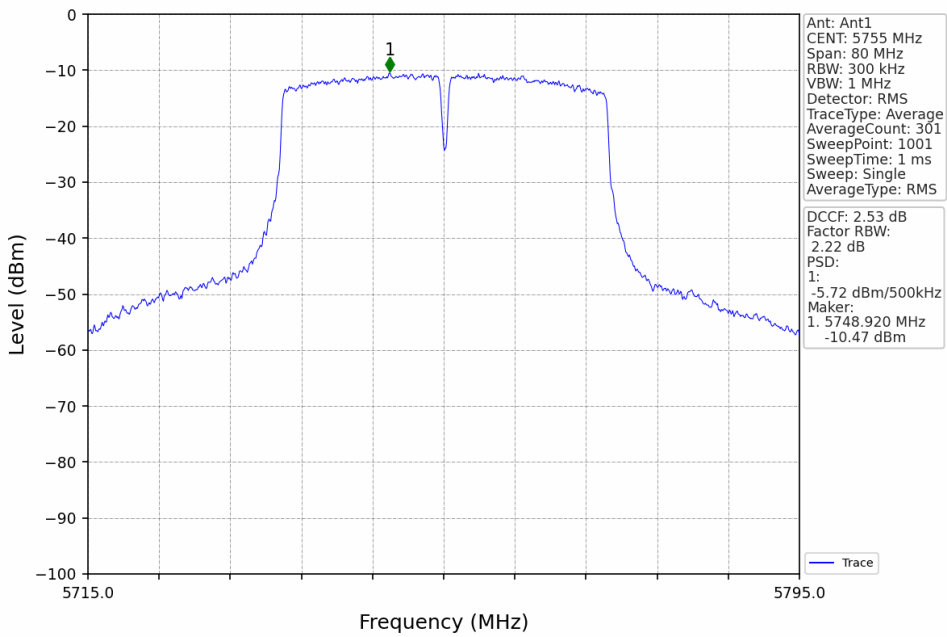
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



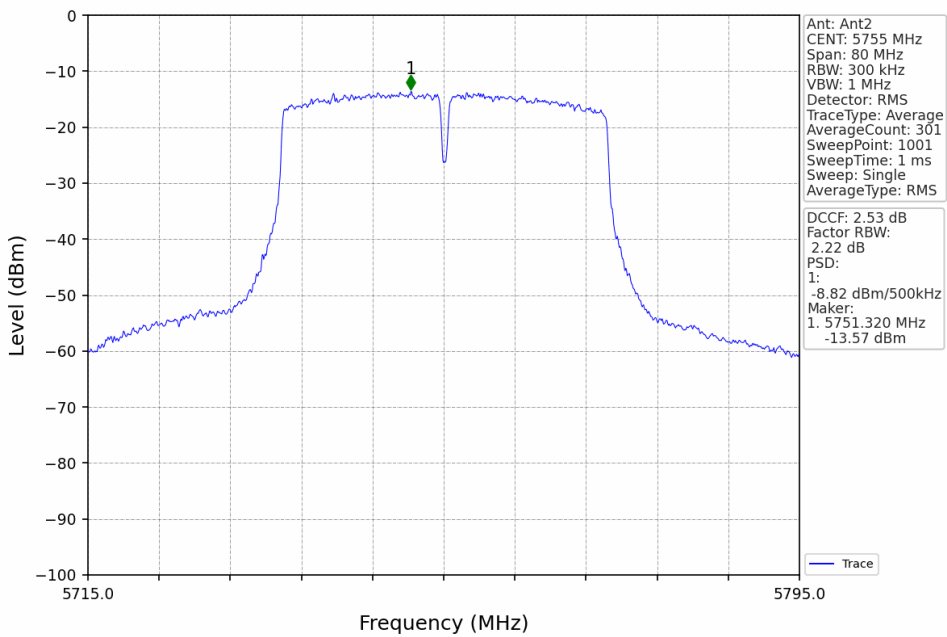
802.11n(HT20)\_HCH\_5825MHz\_Ant2\_NTNV



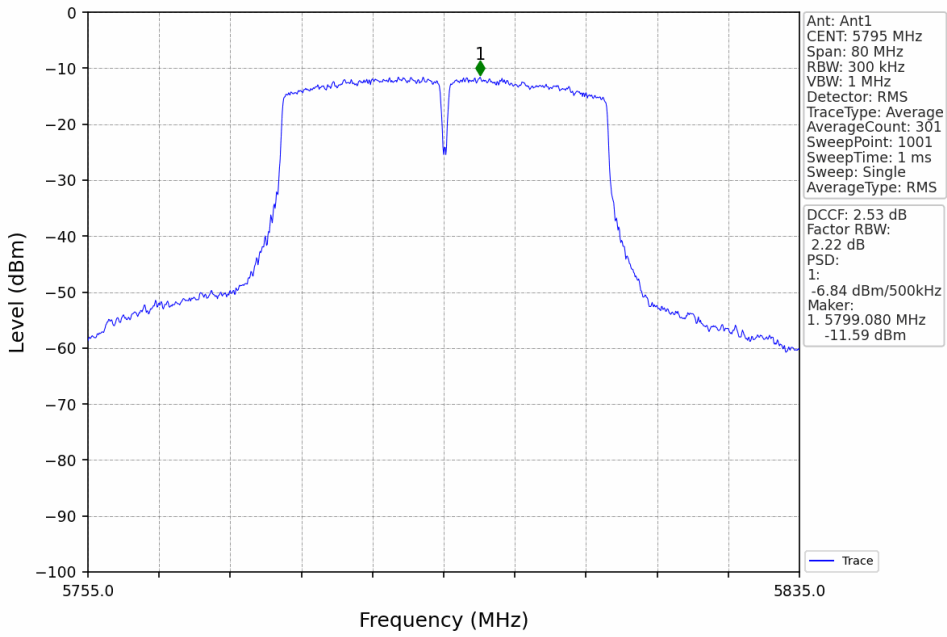
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



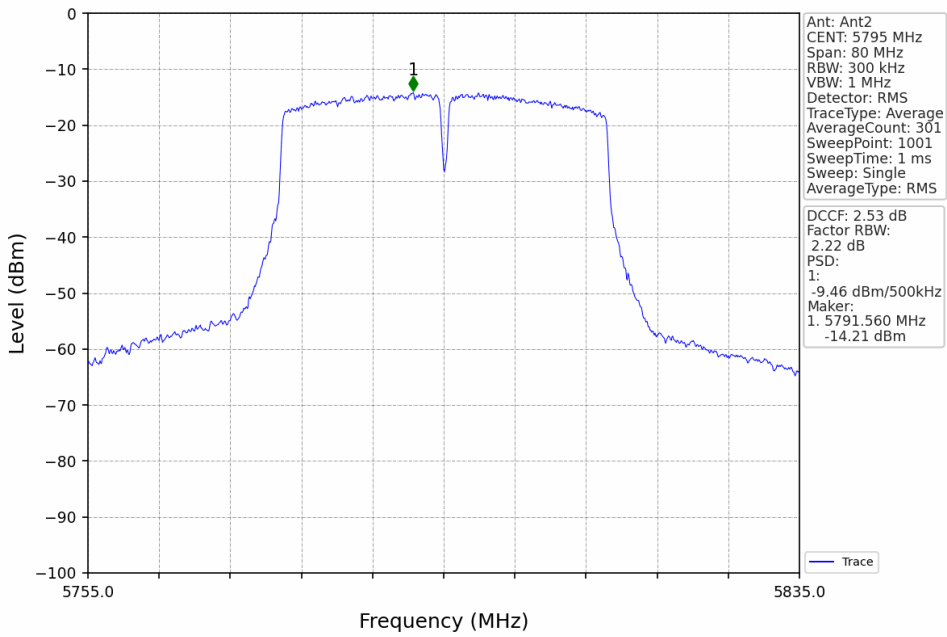
802.11n(HT40)\_LCH\_5755MHz\_Ant2\_NTNV



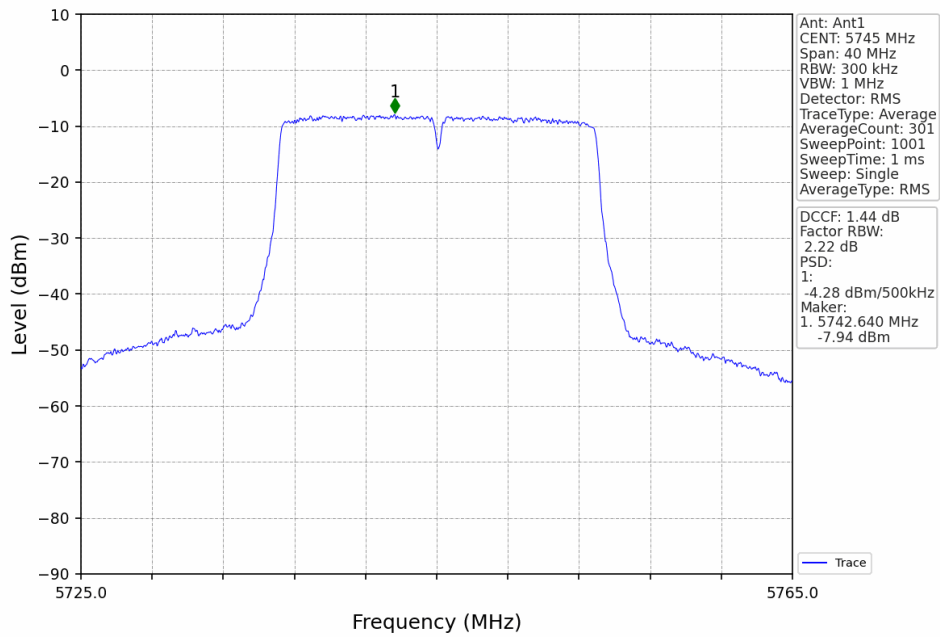
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



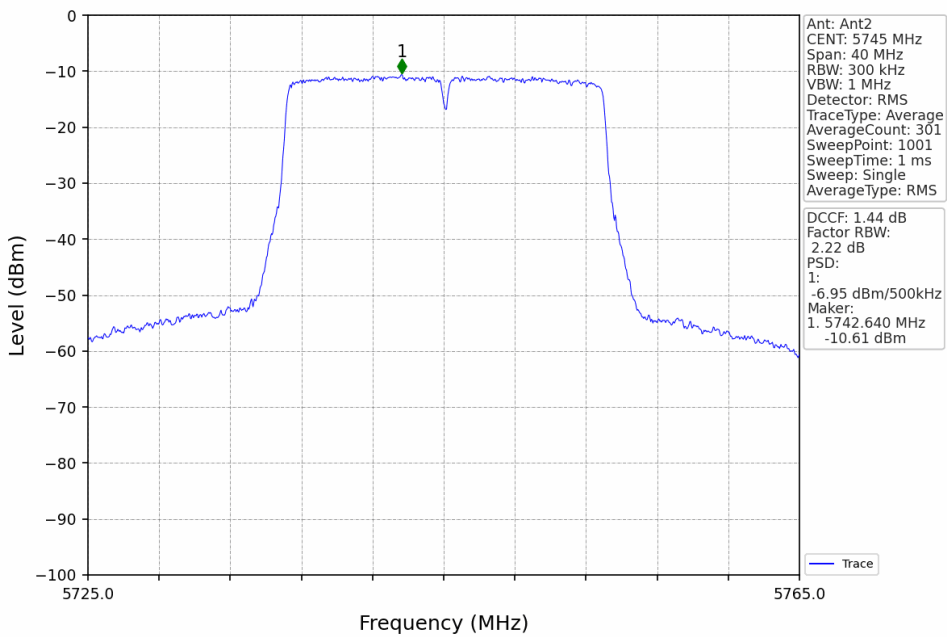
802.11n(HT40)\_HCH\_5795MHz\_Ant2\_NTNV



802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV

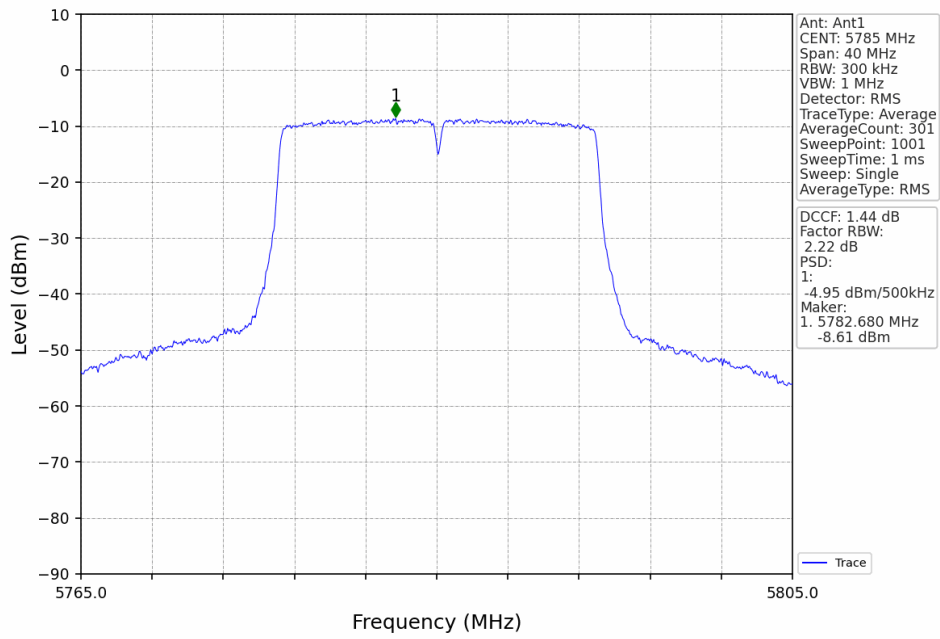


802.11ac(VHT20)\_LCH\_5745MHz\_Ant2\_NTNV

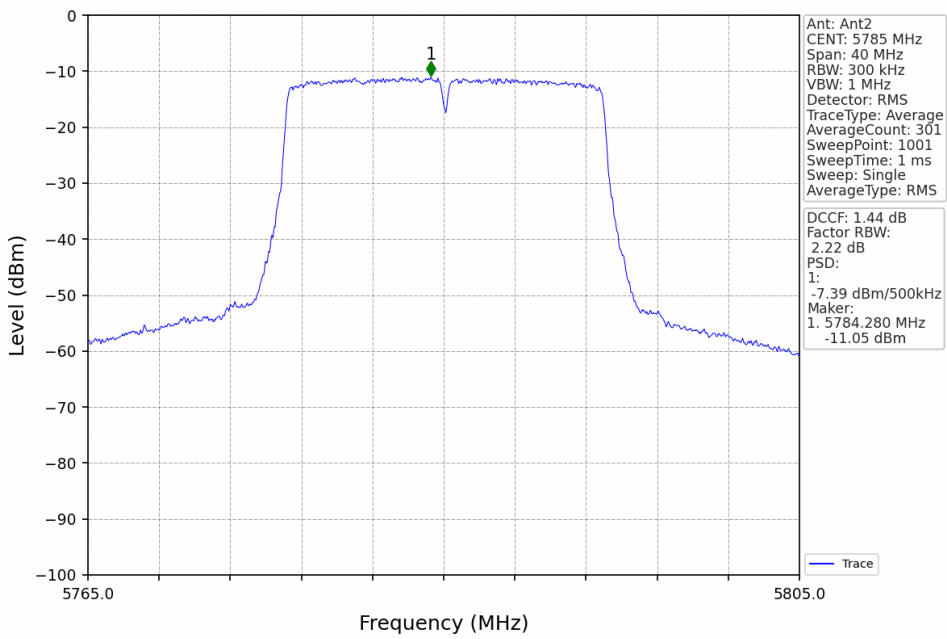




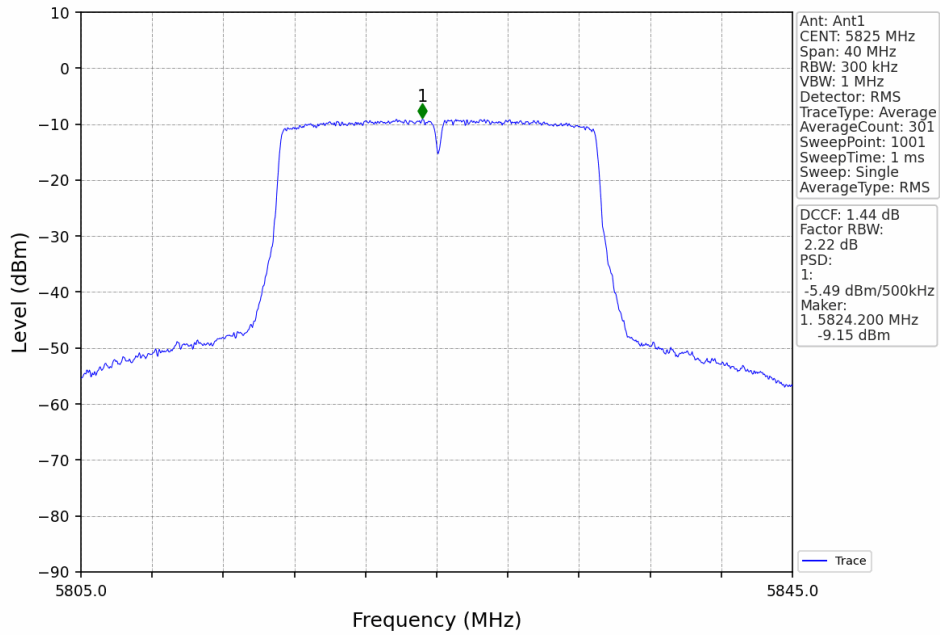
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



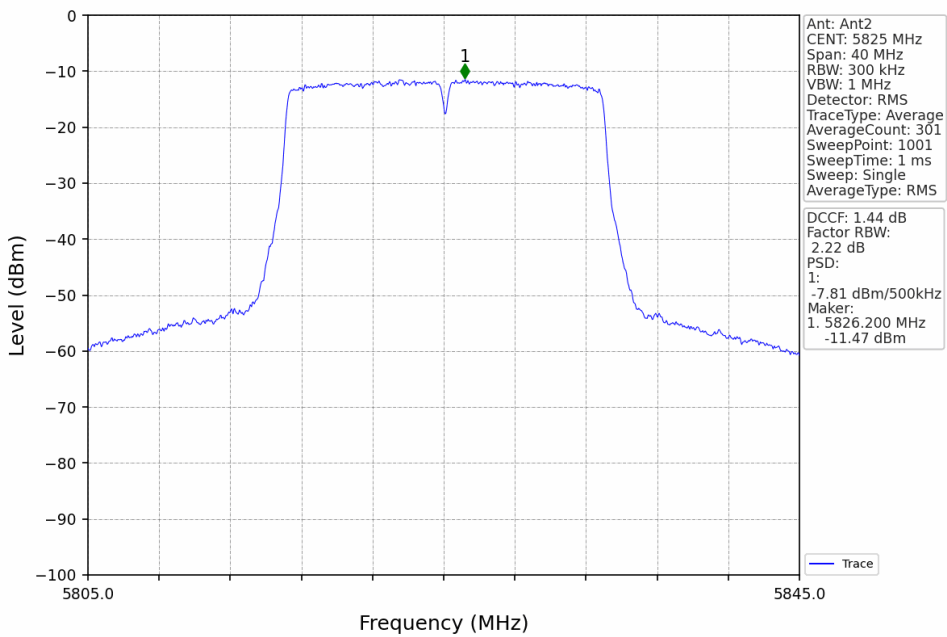
802.11ac(VHT20)\_MCH\_5785MHz\_Ant2\_NTNV



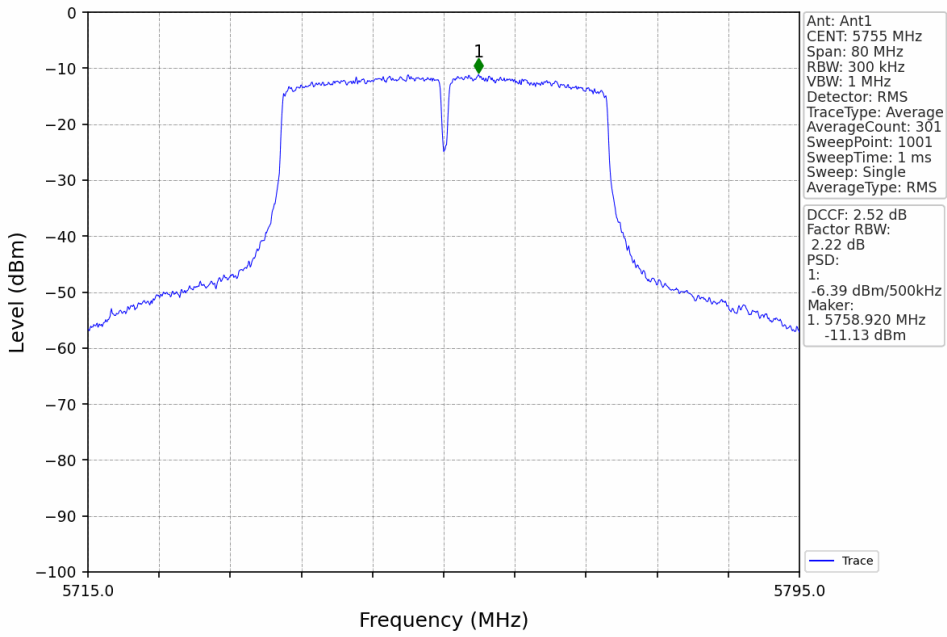
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



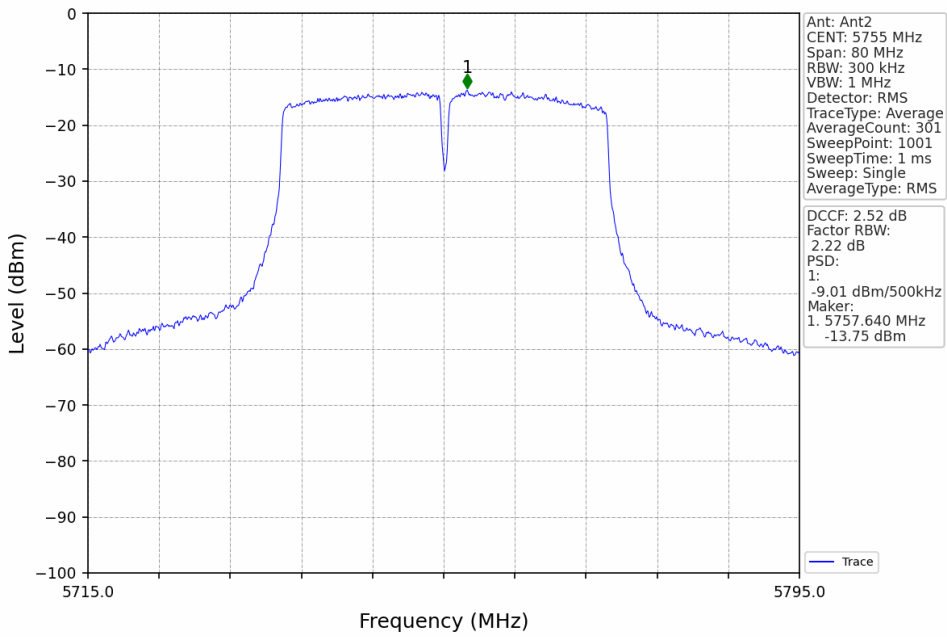
802.11ac(VHT20)\_HCH\_5825MHz\_Ant2\_NTNV



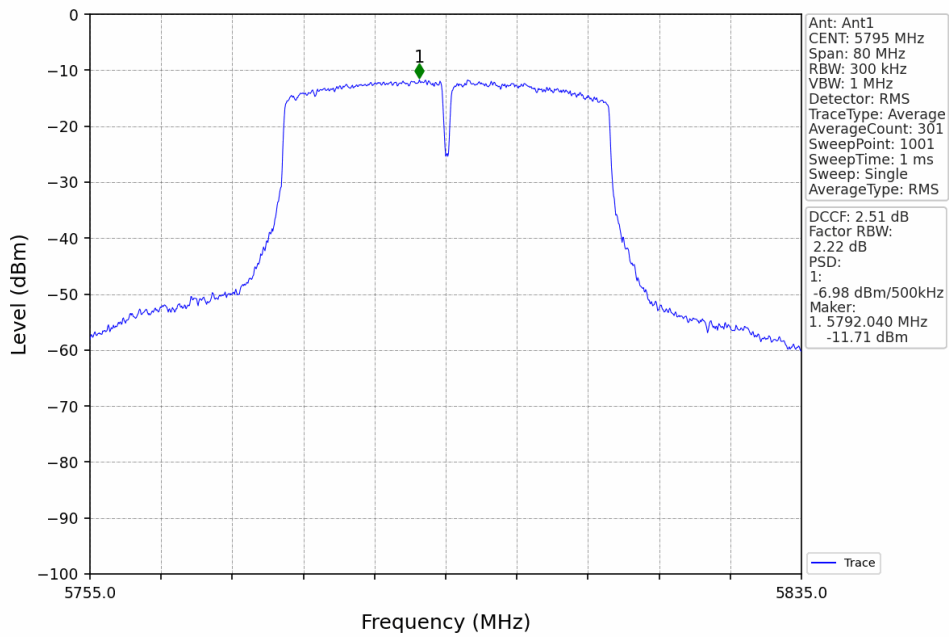
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



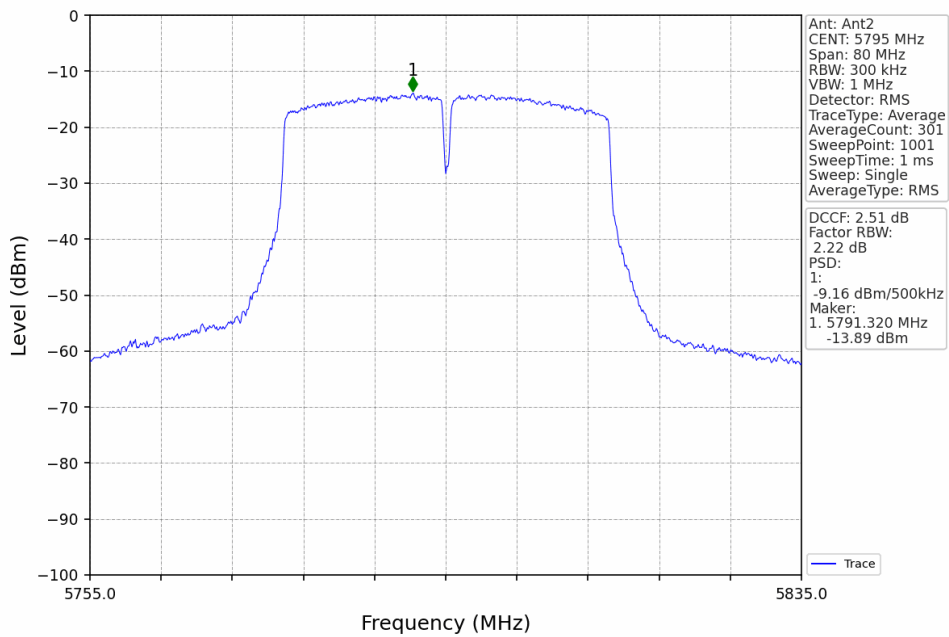
802.11ac(VHT40)\_LCH\_5755MHz\_Ant2\_NTNV



802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV

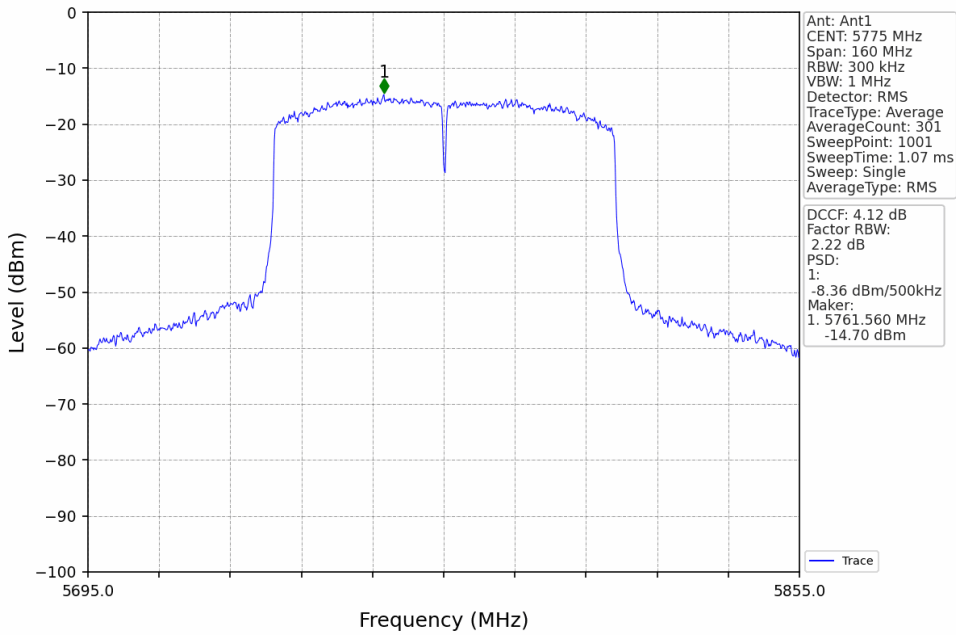


802.11ac(VHT40)\_HCH\_5795MHz\_Ant2\_NTNV

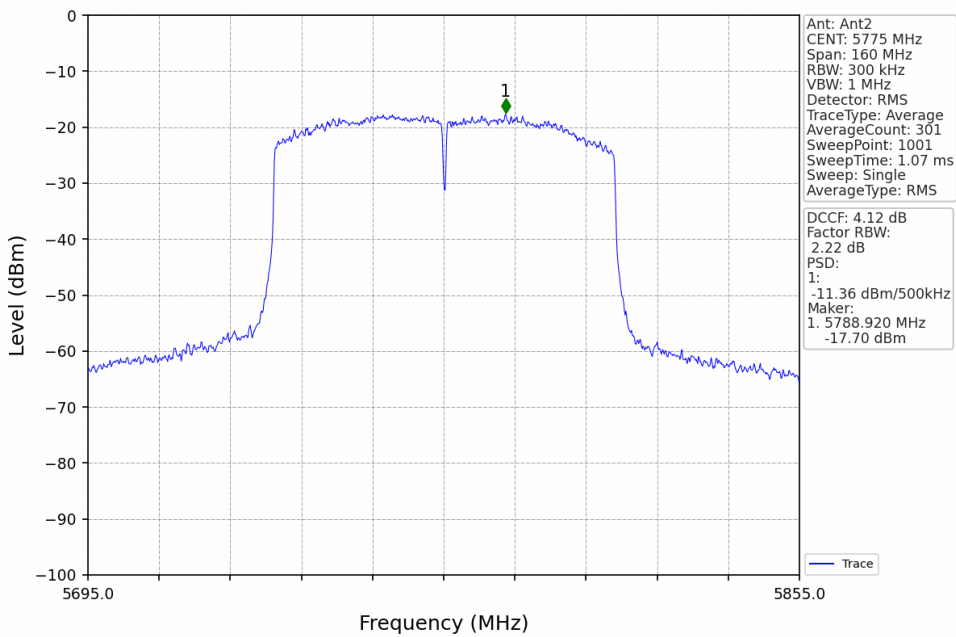




802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



802.11ac(VHT80)\_MCH\_5775MHz\_Ant2\_NTNV



## 5. Frequency Stability

### 5.1 Ant1

#### 5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Temperature (°C)	Ant1			Verdict
				Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	
Carrier Wave	SISO	5180	20	102	5179.991	5150 to 5250	Pass
				120	5179.991	5150 to 5250	Pass
				138	5179.992	5150 to 5250	Pass
			-30	120	5179.993	5150 to 5250	Pass
			-20	120	5179.994	5150 to 5250	Pass
			-10	120	5179.995	5150 to 5250	Pass
			0	120	5179.996	5150 to 5250	Pass
			10	120	5179.997	5150 to 5250	Pass
			30	120	5179.999	5150 to 5250	Pass
			40	120	5180.001	5150 to 5250	Pass
		50	120	5180.002	5150 to 5250	Pass	
		5200	20	102	5200.004	5150 to 5250	Pass
				120	5200.006	5150 to 5250	Pass
				138	5200.007	5150 to 5250	Pass
			-30	120	5200.008	5150 to 5250	Pass
			-20	120	5200.010	5150 to 5250	Pass
			-10	120	5200.011	5150 to 5250	Pass
			0	120	5200.013	5150 to 5250	Pass
			10	120	5200.014	5150 to 5250	Pass
			30	120	5200.015	5150 to 5250	Pass
			40	120	5200.016	5150 to 5250	Pass
		50	120	5200.018	5150 to 5250	Pass	
		5240	20	102	5240.015	5150 to 5250	Pass
				120	5240.017	5150 to 5250	Pass
				138	5240.017	5150 to 5250	Pass
			-30	120	5240.019	5150 to 5250	Pass
			-20	120	5240.019	5150 to 5250	Pass
			-10	120	5240.020	5150 to 5250	Pass
			0	120	5240.021	5150 to 5250	Pass
			10	120	5240.023	5150 to 5250	Pass
			30	120	5240.024	5150 to 5250	Pass
			40	120	5240.025	5150 to 5250	Pass
		50	120	5240.027	5150 to 5250	Pass	
		5745	20	102	5745.022	5725 to 5850	Pass
				120	5745.025	5725 to 5850	Pass
				138	5745.025	5725 to 5850	Pass
			-30	120	5745.027	5725 to 5850	Pass
			-20	120	5745.028	5725 to 5850	Pass
			-10	120	5745.030	5725 to 5850	Pass
			0	120	5745.031	5725 to 5850	Pass
			10	120	5745.033	5725 to 5850	Pass
			30	120	5745.035	5725 to 5850	Pass
			40	120	5745.035	5725 to 5850	Pass
		50	120	5745.037	5725 to 5850	Pass	
		5785	20	102	5785.031	5725 to 5850	Pass
				120	5785.032	5725 to 5850	Pass
				138	5785.033	5725 to 5850	Pass
			-30	120	5785.034	5725 to 5850	Pass
			-20	120	5785.034	5725 to 5850	Pass
			-10	120	5785.035	5725 to 5850	Pass
0	120	5785.035	5725 to 5850	Pass			

			10	120	5785.035	5725 to 5850	Pass
			30	120	5785.036	5725 to 5850	Pass
			40	120	5785.036	5725 to 5850	Pass
			50	120	5785.036	5725 to 5850	Pass
	5825	20	102	5825.026	5725 to 5850	Pass	
			120	5825.027	5725 to 5850	Pass	
			138	5825.028	5725 to 5850	Pass	
			-30	120	5825.029	5725 to 5850	Pass
			-20	120	5825.029	5725 to 5850	Pass
			-10	120	5825.030	5725 to 5850	Pass
			0	120	5825.032	5725 to 5850	Pass
			10	120	5825.032	5725 to 5850	Pass
			30	120	5825.032	5725 to 5850	Pass
			40	120	5825.033	5725 to 5850	Pass
			50	120	5825.033	5725 to 5850	Pass
		5190	20	102	5190.021	5150 to 5250	Pass
	120			5190.020	5150 to 5250	Pass	
	138			5190.020	5150 to 5250	Pass	
			-30	120	5190.020	5150 to 5250	Pass
			-20	120	5190.020	5150 to 5250	Pass
			-10	120	5190.021	5150 to 5250	Pass
			0	120	5190.021	5150 to 5250	Pass
			10	120	5190.021	5150 to 5250	Pass
			30	120	5190.022	5150 to 5250	Pass
			40	120	5190.022	5150 to 5250	Pass
			50	120	5190.021	5150 to 5250	Pass
	5230		20	102	5230.019	5150 to 5250	Pass
		120		5230.019	5150 to 5250	Pass	
		138		5230.019	5150 to 5250	Pass	
			-30	120	5230.019	5150 to 5250	Pass
			-20	120	5230.020	5150 to 5250	Pass
			-10	120	5230.020	5150 to 5250	Pass
			0	120	5230.021	5150 to 5250	Pass
			10	120	5230.021	5150 to 5250	Pass
			30	120	5230.021	5150 to 5250	Pass
			40	120	5230.022	5150 to 5250	Pass
			50	120	5230.021	5150 to 5250	Pass
		5755	20	102	5755.016	5725 to 5850	Pass
	120			5755.017	5725 to 5850	Pass	
	138			5755.017	5725 to 5850	Pass	
			-30	120	5755.018	5725 to 5850	Pass
			-20	120	5755.019	5725 to 5850	Pass
			-10	120	5755.019	5725 to 5850	Pass
			0	120	5755.020	5725 to 5850	Pass
			10	120	5755.020	5725 to 5850	Pass
			30	120	5755.021	5725 to 5850	Pass
			40	120	5755.022	5725 to 5850	Pass
			50	120	5755.023	5725 to 5850	Pass
	5795		20	102	5795.020	5725 to 5850	Pass
		120		5795.021	5725 to 5850	Pass	
		138		5795.021	5725 to 5850	Pass	
			-30	120	5795.022	5725 to 5850	Pass
			-20	120	5795.023	5725 to 5850	Pass
			-10	120	5795.023	5725 to 5850	Pass
			0	120	5795.024	5725 to 5850	Pass
			10	120	5795.024	5725 to 5850	Pass
			30	120	5795.025	5725 to 5850	Pass
			40	120	5795.025	5725 to 5850	Pass
			50	120	5795.025	5725 to 5850	Pass
		5210	20	102	5210.013	5150 to 5250	Pass
	120			5210.013	5150 to 5250	Pass	
	138			5210.013	5150 to 5250	Pass	
			-30	120	5210.013	5150 to 5250	Pass
			-20	120	5210.012	5150 to 5250	Pass



			-10	120	5210.012	5150 to 5250	Pass
			0	120	5210.011	5150 to 5250	Pass
			10	120	5210.011	5150 to 5250	Pass
			30	120	5210.010	5150 to 5250	Pass
			40	120	5210.010	5150 to 5250	Pass
		50	120	5210.009	5150 to 5250	Pass	
		5775	20	102	5775.005	5725 to 5850	Pass
				120	5775.006	5725 to 5850	Pass
				138	5775.006	5725 to 5850	Pass
			-30	120	5775.007	5725 to 5850	Pass
			-20	120	5775.007	5725 to 5850	Pass
			-10	120	5775.008	5725 to 5850	Pass
			0	120	5775.008	5725 to 5850	Pass
			10	120	5775.008	5725 to 5850	Pass
			30	120	5775.008	5725 to 5850	Pass
			40	120	5775.009	5725 to 5850	Pass
			50	120	5775.009	5725 to 5850	Pass

-----End-----