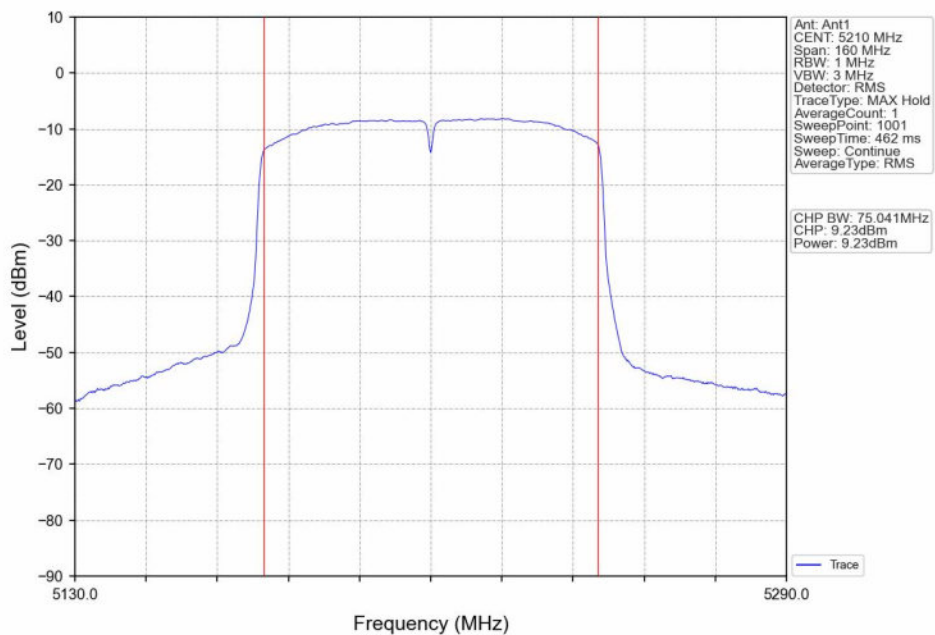
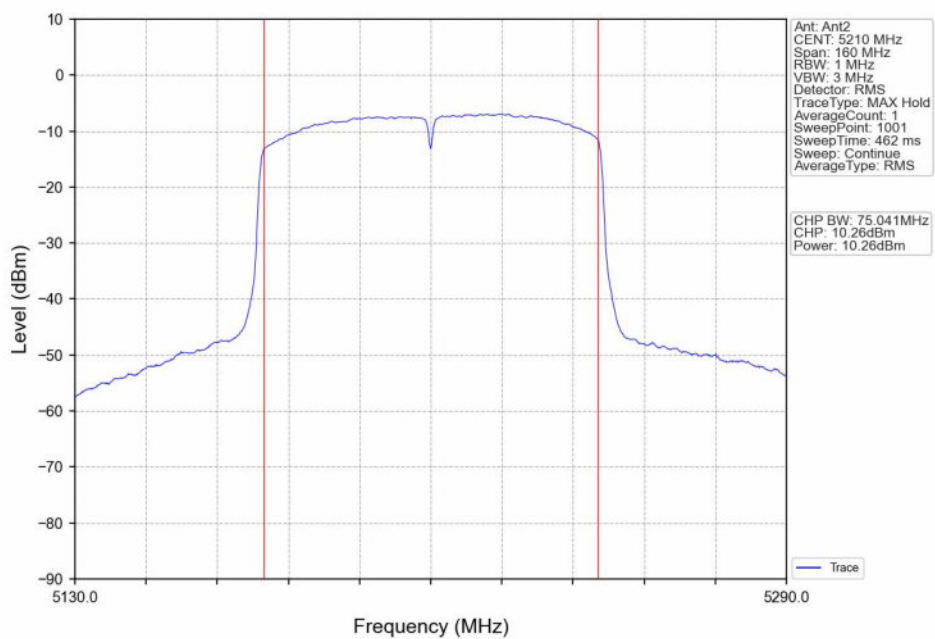


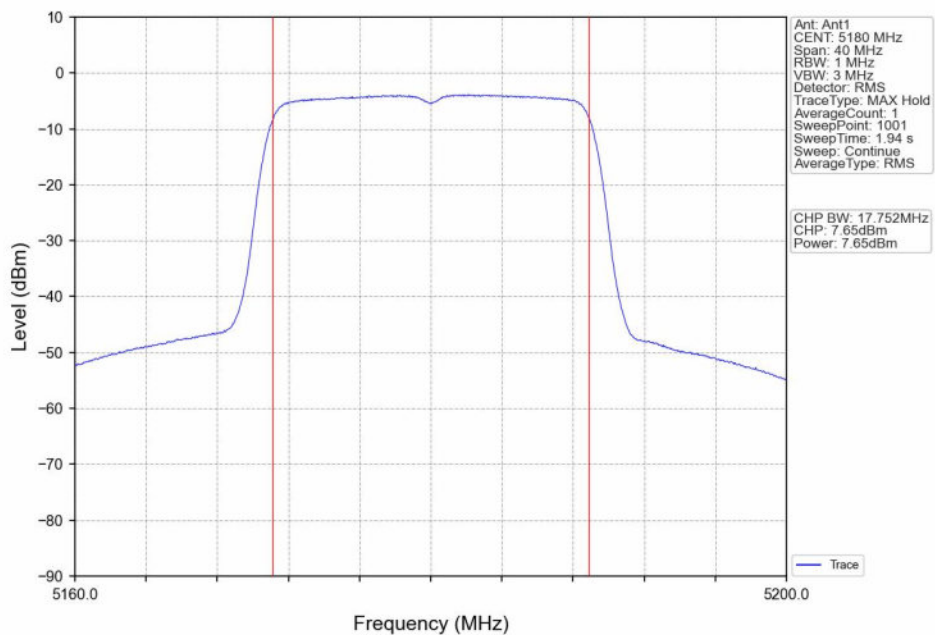
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



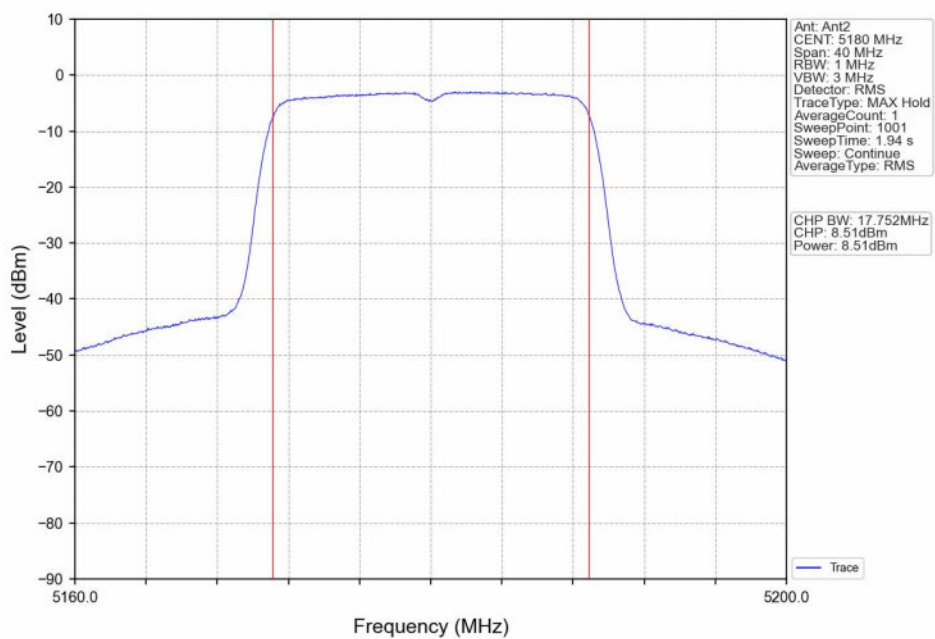
802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



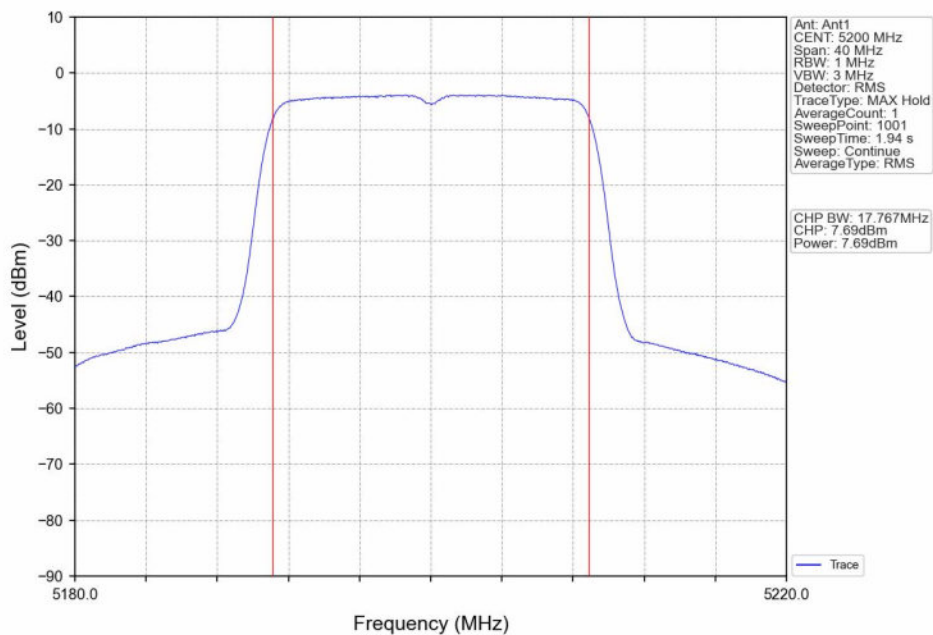
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



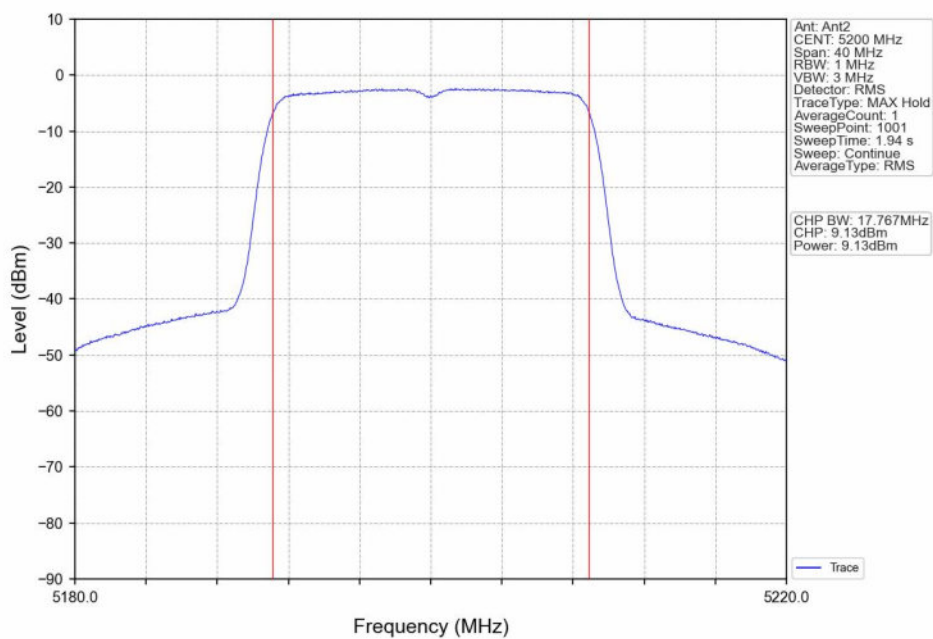
802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV



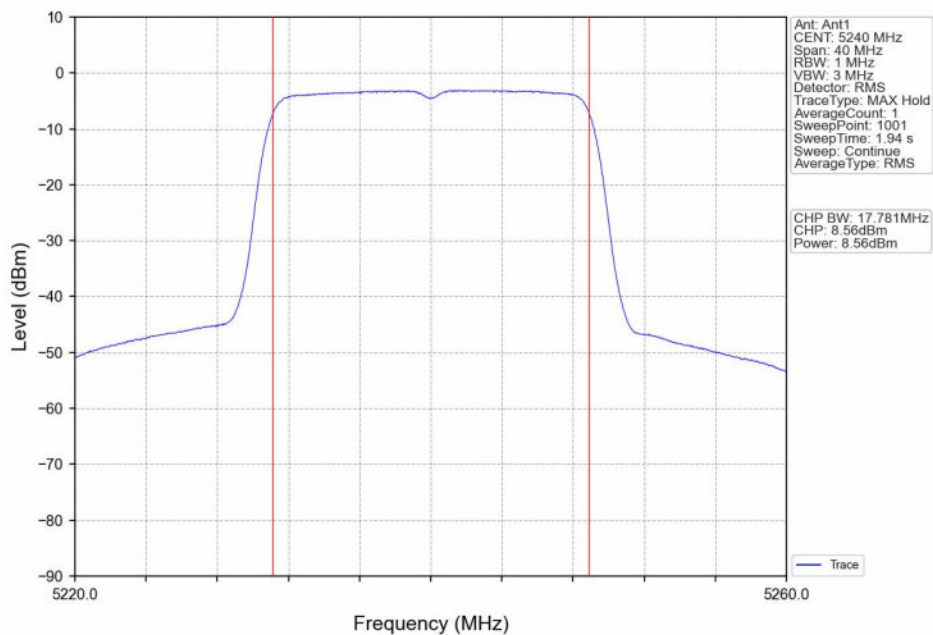
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



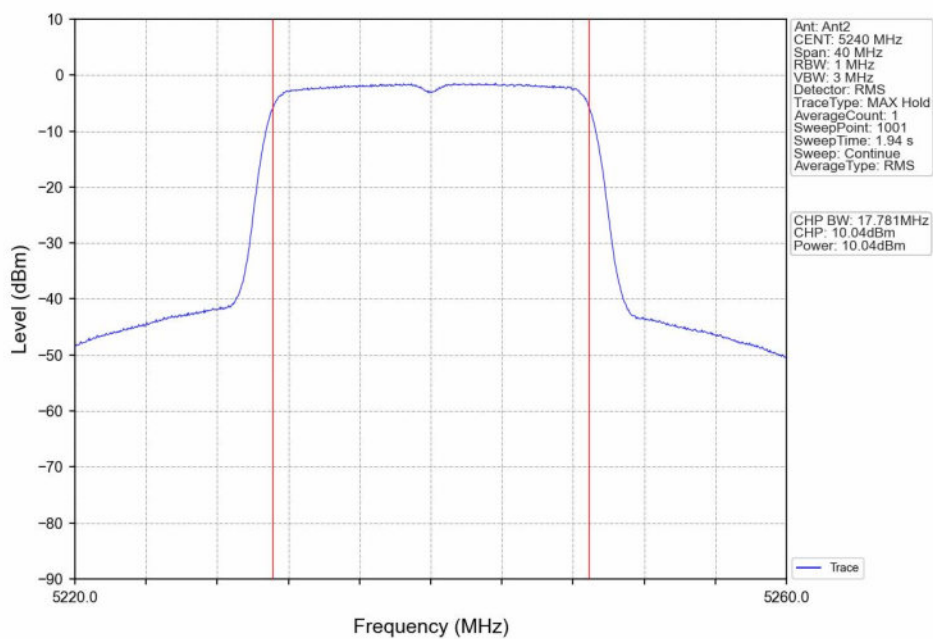
802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV



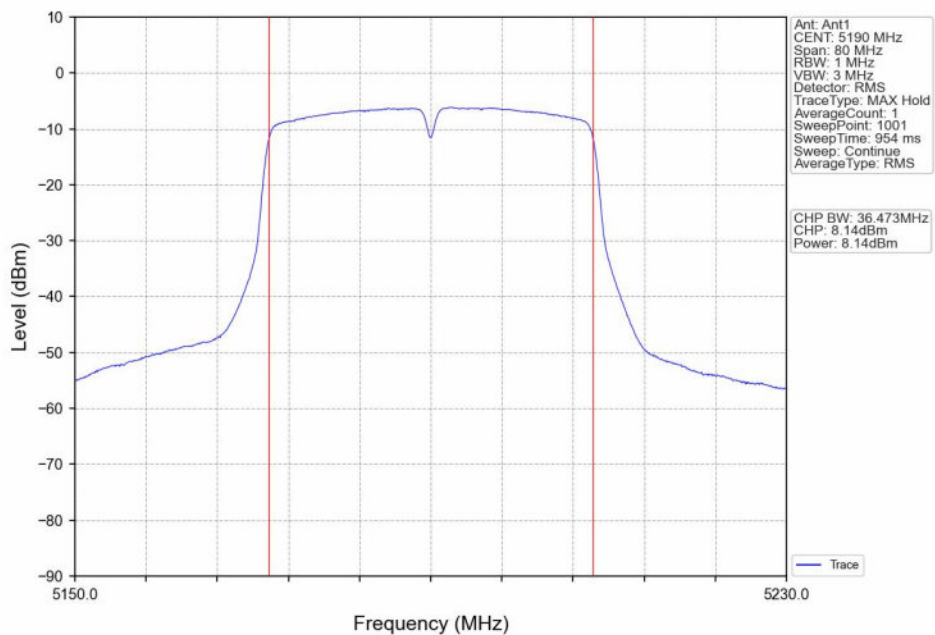
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



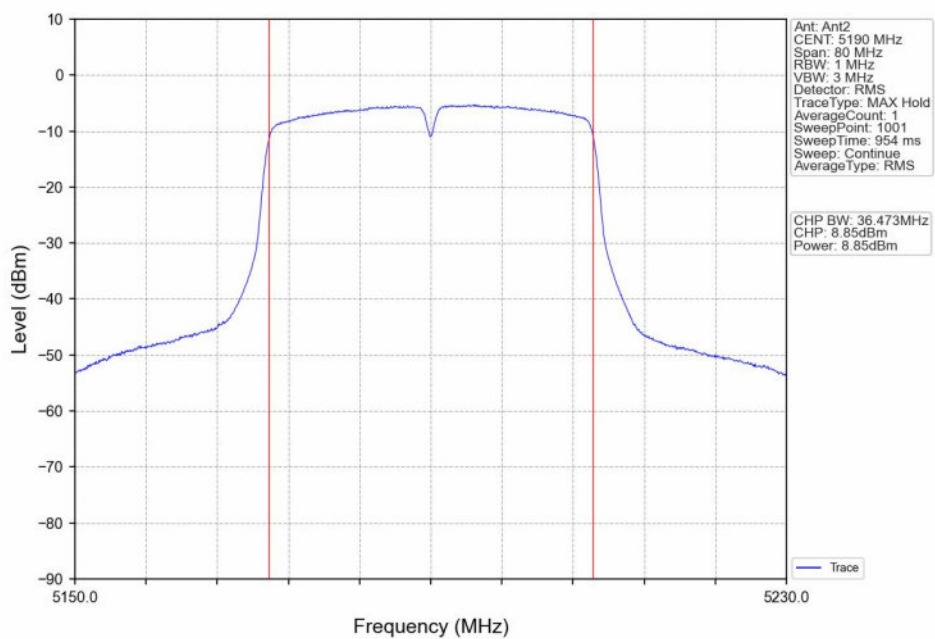
802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



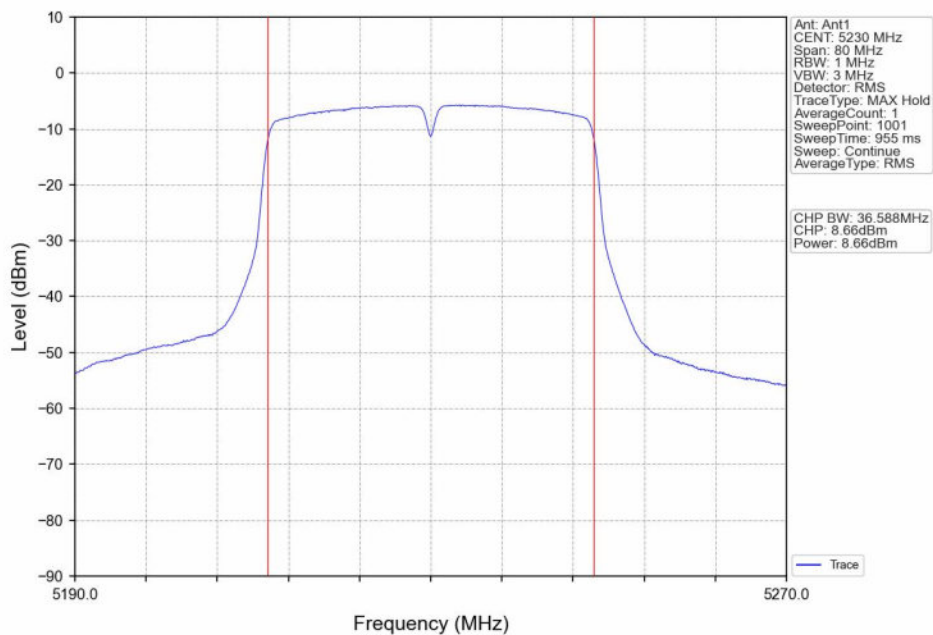
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



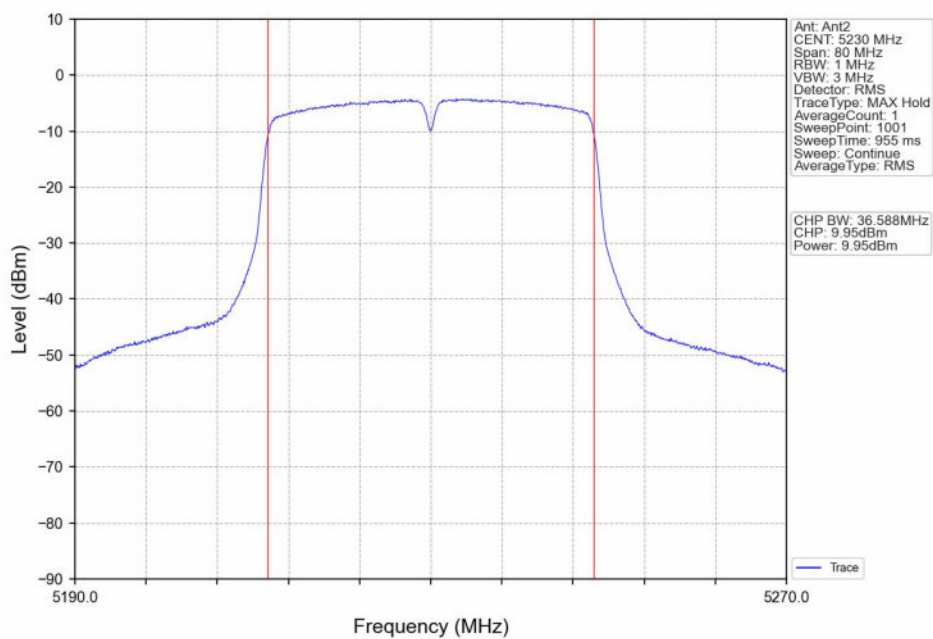
802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



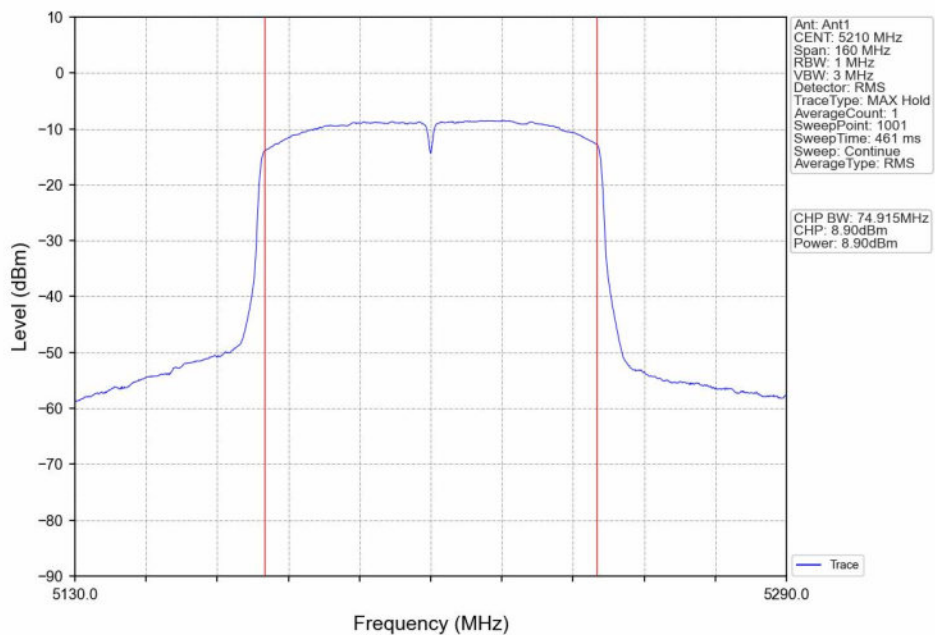
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



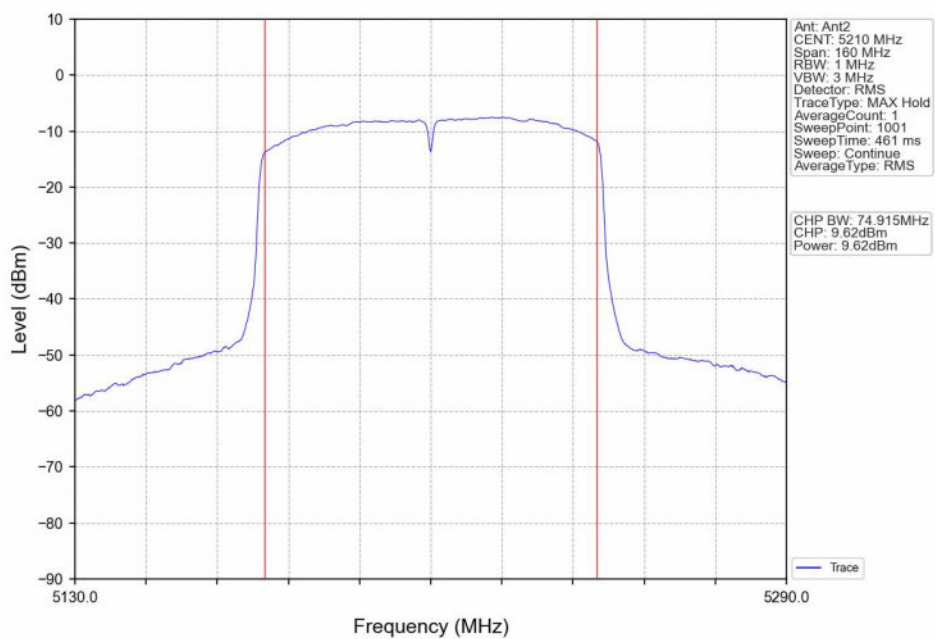
802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



3. Maximum Power Spectral Density

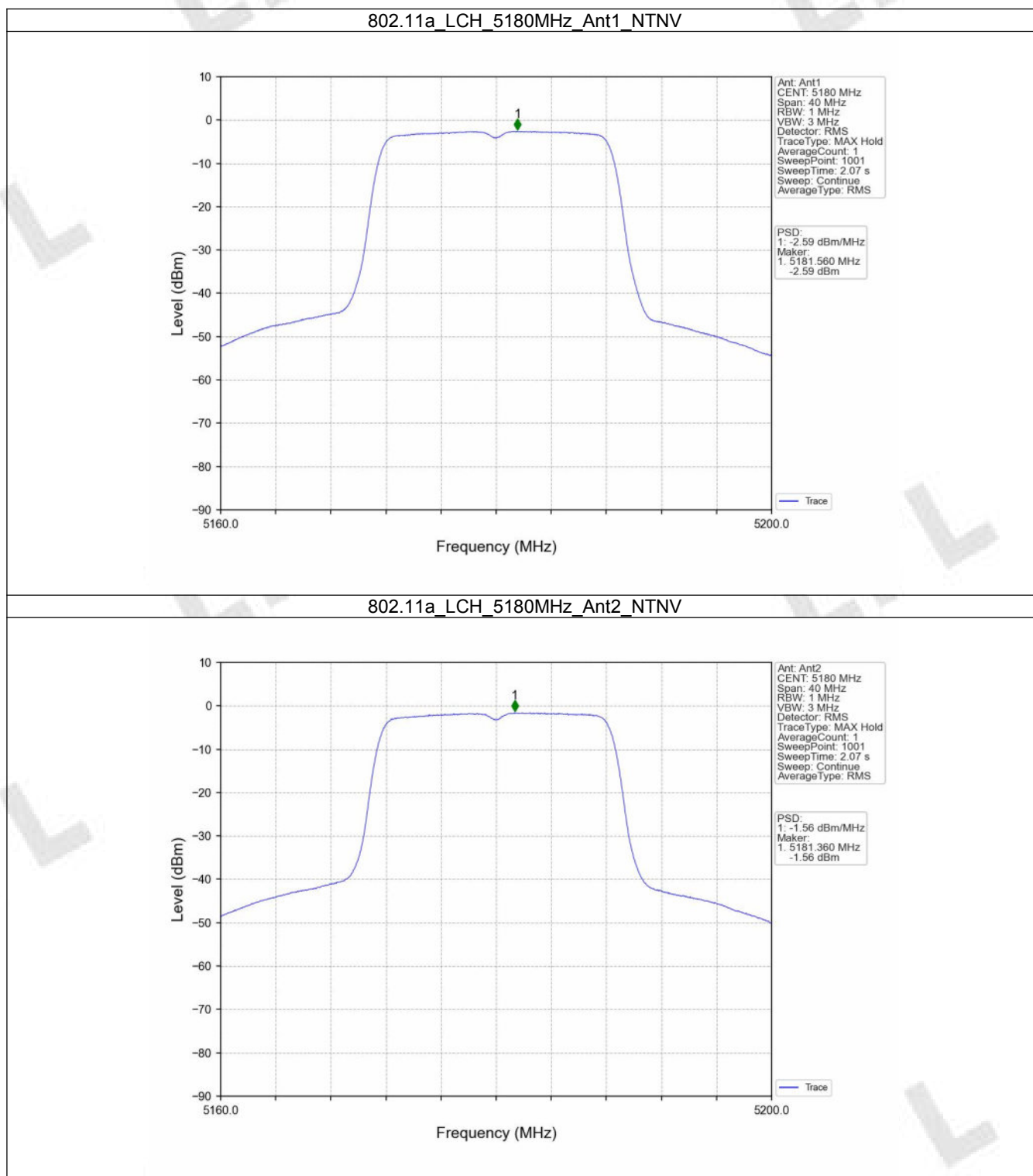
3.1 PSD

3.1.1 Test Result

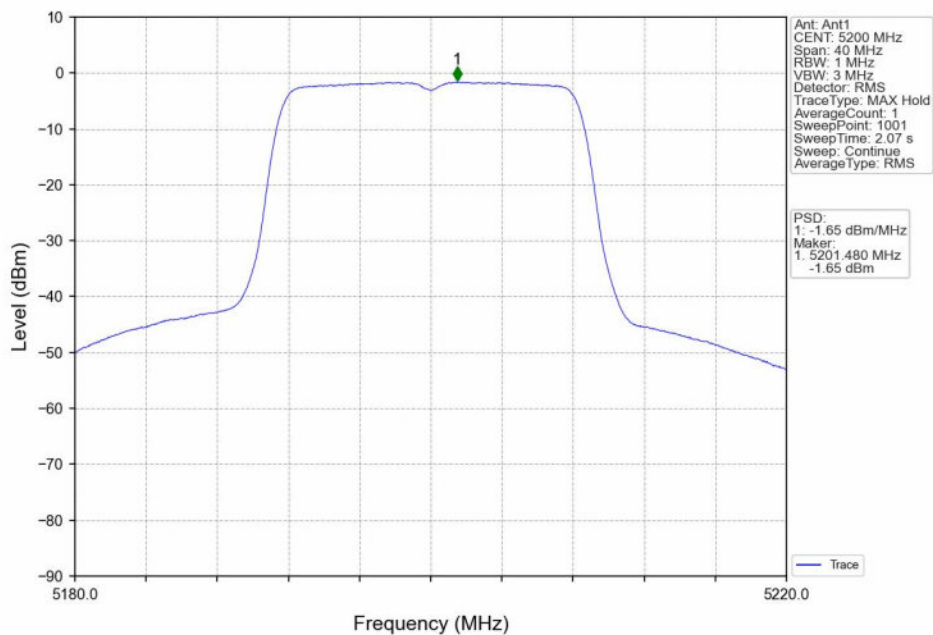
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	-2.59	-1.56	/	<=11	Pass
		5200	-1.65	-1.17	/	<=11	Pass
		5240	-1.17	-0.08	/	<=11	Pass
802.11n (HT20)	SISO	5180	-2.36	-1.86	/	<=11	Pass
		5200	-2.04	-1.27	/	<=11	Pass
		5240	-1.41	-0.34	/	<=11	Pass
802.11n (HT40)	SISO	5190	-5.00	-4.43	/	<=11	Pass
		5230	-4.43	-3.42	/	<=11	Pass
802.11n (HT20)	MIMO	5180	-3.65	-3.93	-0.83	<=9.16	Pass
		5200	-3.95	-3.35	-0.65	<=9.16	Pass
		5240	-3.56	-2.45	0.02	<=9.16	Pass
802.11n (HT40)	MIMO	5190	-7.12	-6.26	-3.67	<=9.16	Pass
		5230	-6.73	-5.47	-3.06	<=9.16	Pass
802.11ac (VHT20)	SISO	5180	-3.15	-2.66	/	<=11	Pass
		5200	-2.88	-2.12	/	<=11	Pass
		5240	-2.31	-1.26	/	<=11	Pass
802.11ac (VHT40)	SISO	5190	-5.75	-5.13	/	<=11	Pass
		5230	-5.29	-4.27	/	<=11	Pass
802.11ac (VHT80)	SISO	5210	-8.17	-7.02	/	<=11	Pass
802.11ac (VHT20)	MIMO	5180	-4.04	-3.22	-0.61	<=9.16	Pass
		5200	-3.99	-2.70	-0.31	<=9.16	Pass
		5240	-3.03	-1.73	0.63	<=9.16	Pass
802.11ac (VHT40)	MIMO	5190	-6.19	-5.58	-2.90	<=9.16	Pass
		5230	-5.73	-4.64	-2.15	<=9.16	Pass
802.11ac (VHT80)	MIMO	5210	-8.44	-7.54	-4.97	<=9.16	Pass

Note1: Antenna Gain: Ant1: 5.39dBi; Ant2: 4.24dBi;
Note2: Directional gain= $10\log[(10^{G1/20}+10^{G2/20}+\dots+10^{GN/20})^2/N_{ANT}]$ dBi [Note the “20” s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]

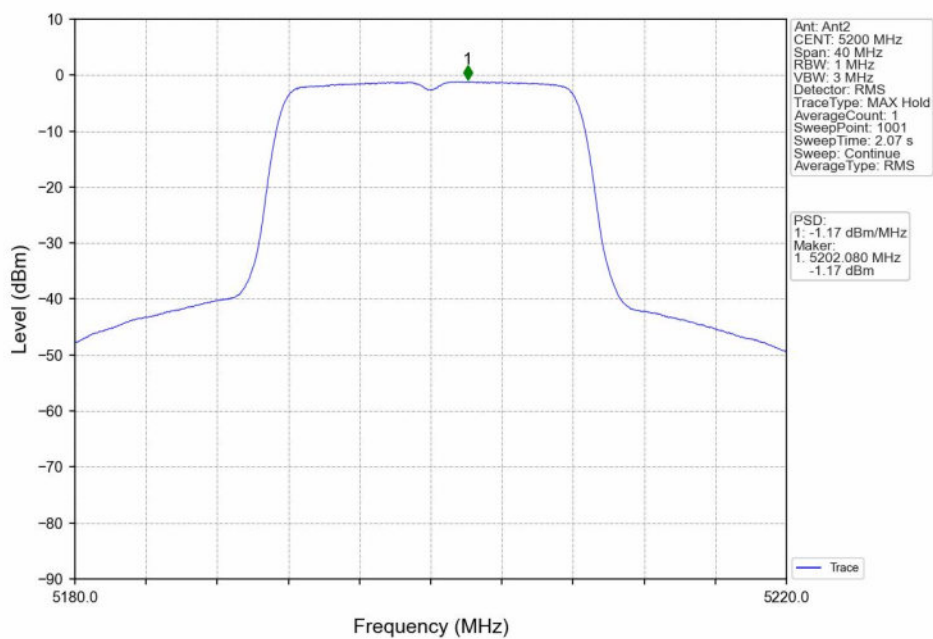
3.1.2 Test Graph



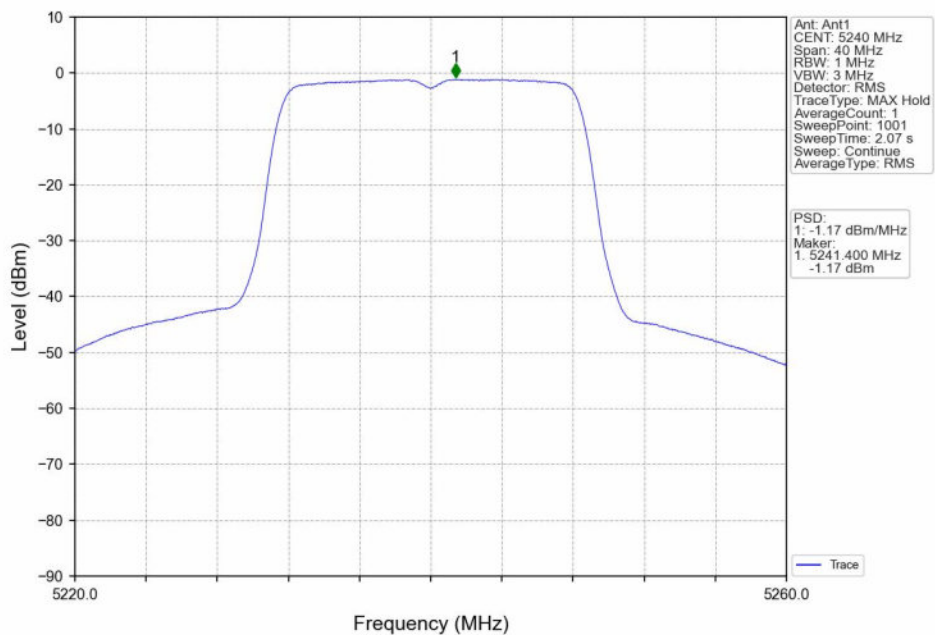
802.11a_MCH_5200MHz_Ant1_NTNV



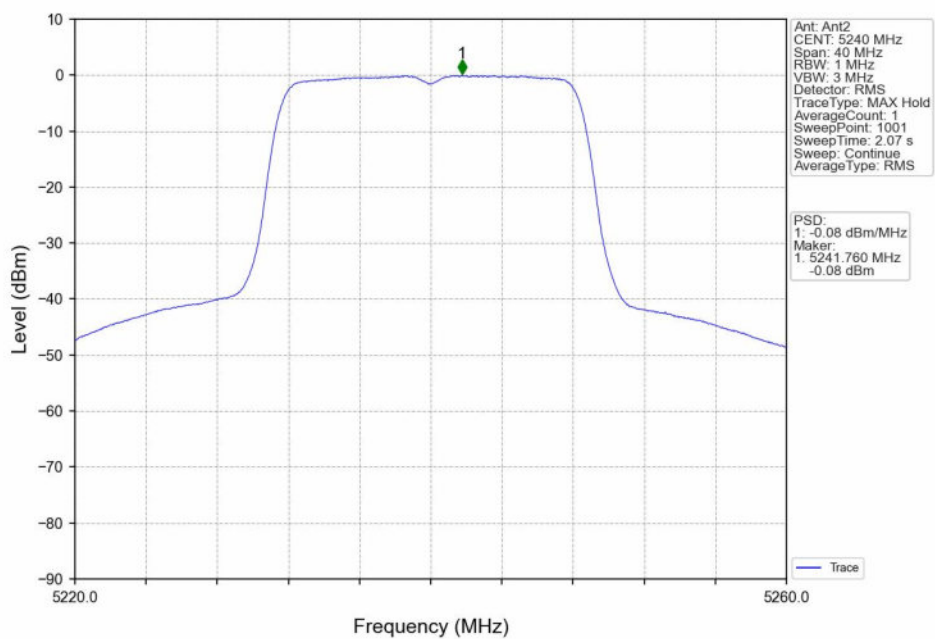
802.11a_MCH_5200MHz_Ant2_NTNV



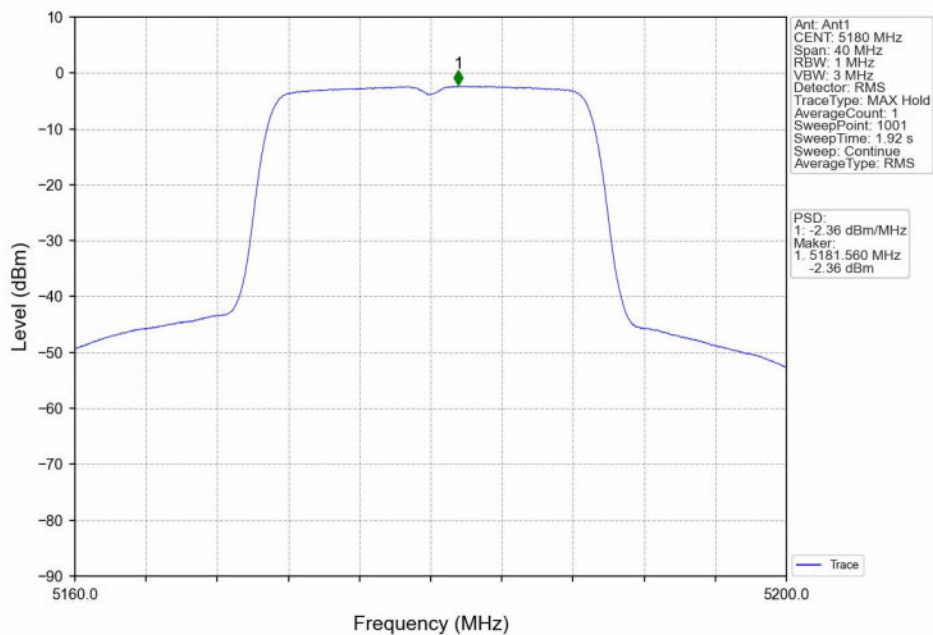
802.11a_HCH_5240MHz_Ant1_NTNV



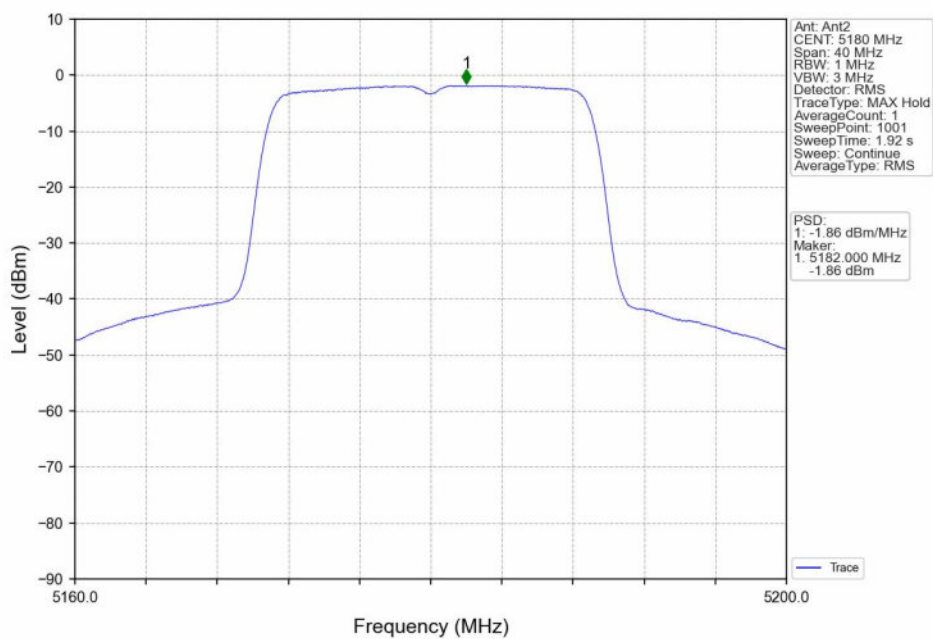
802.11a_HCH_5240MHz_Ant2_NTNV



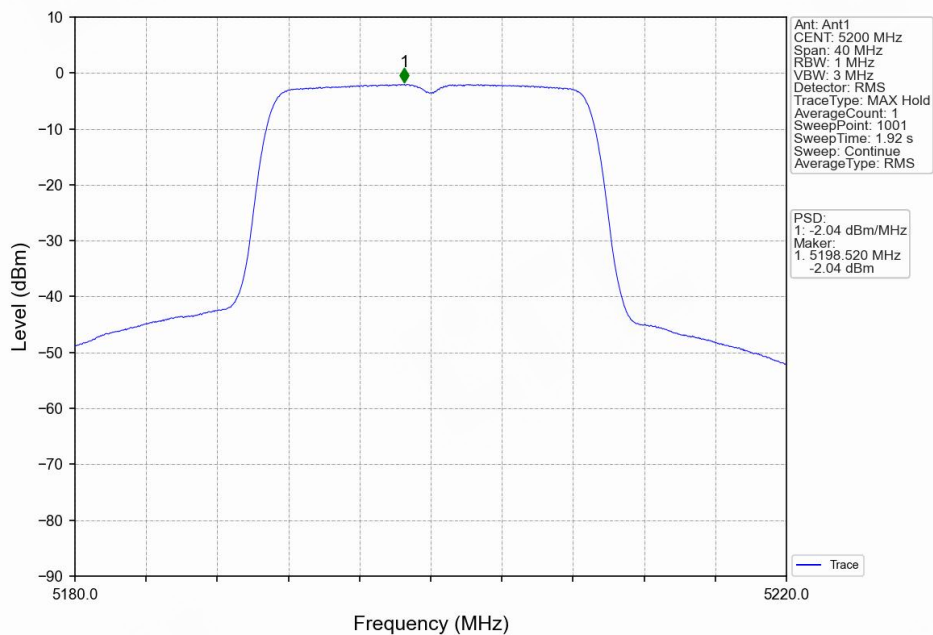
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



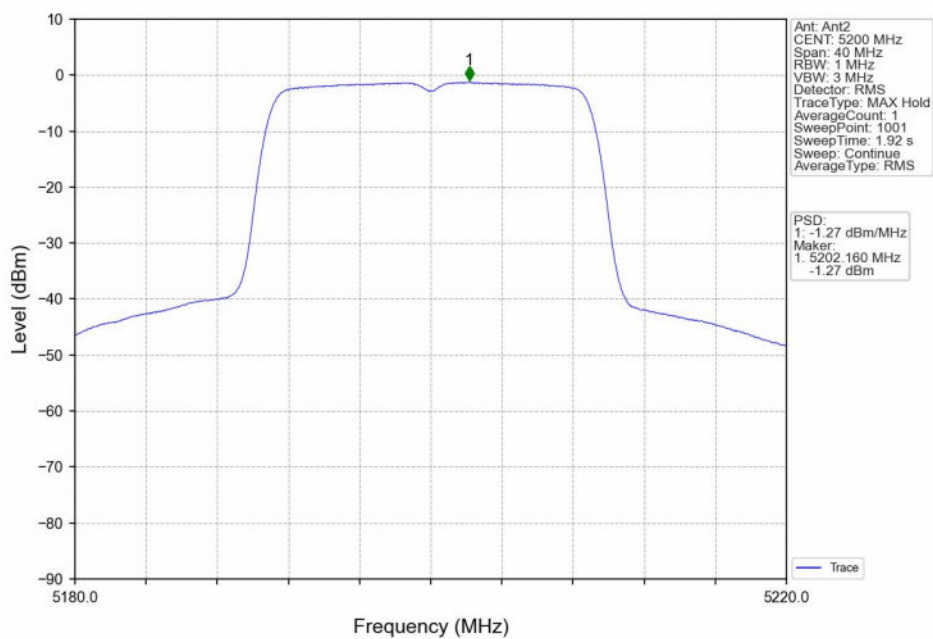
802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



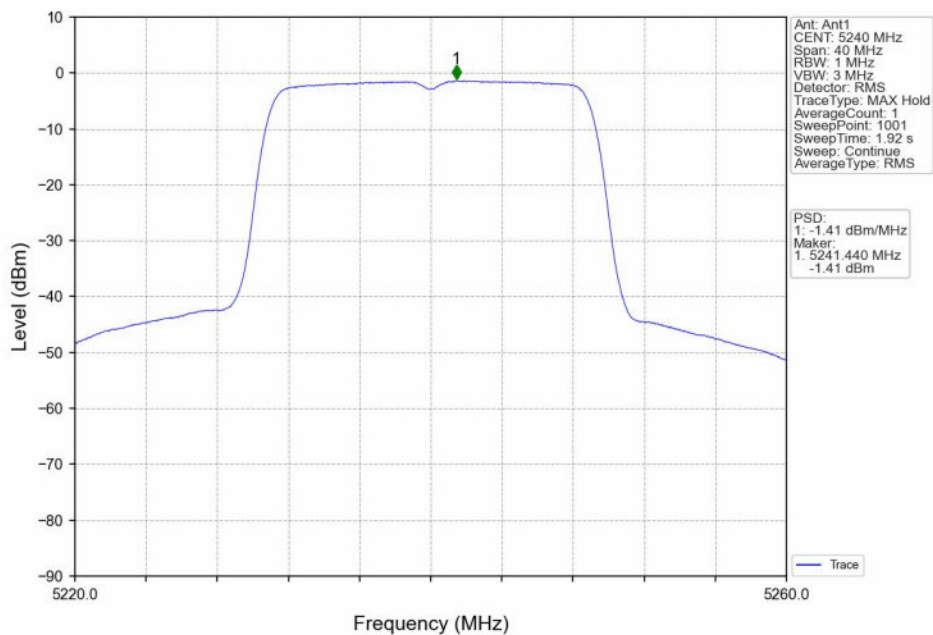
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



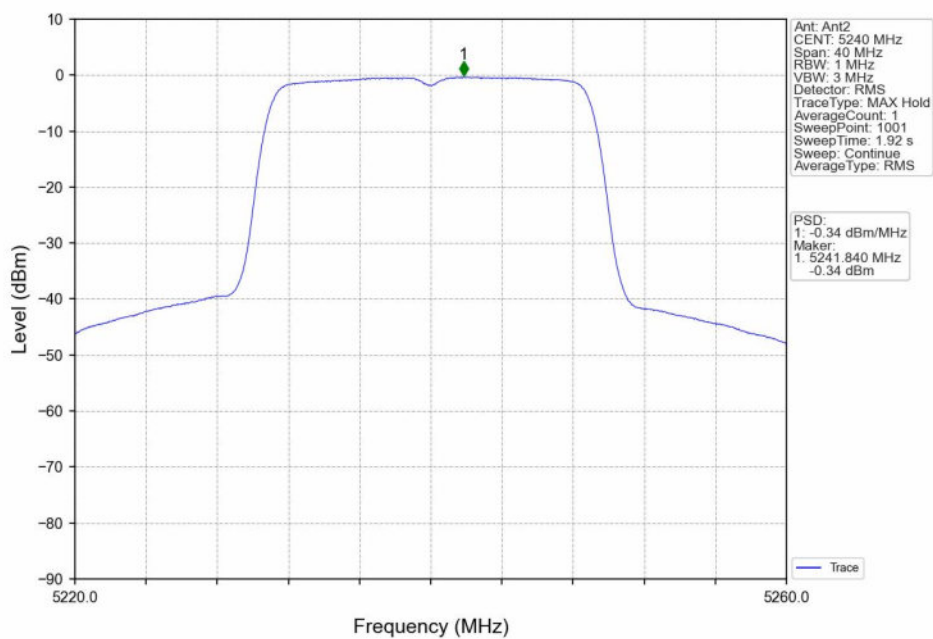
802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



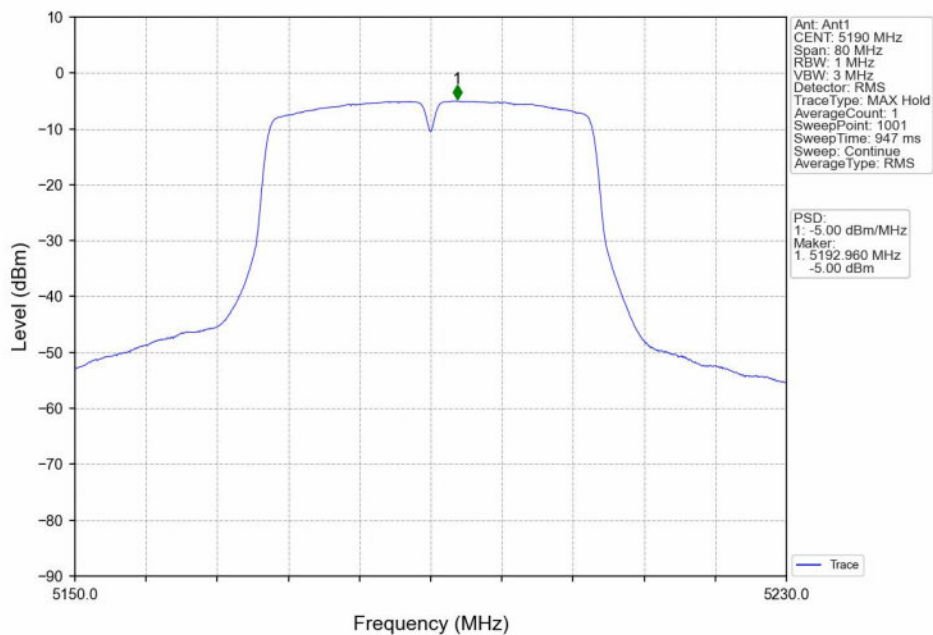
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



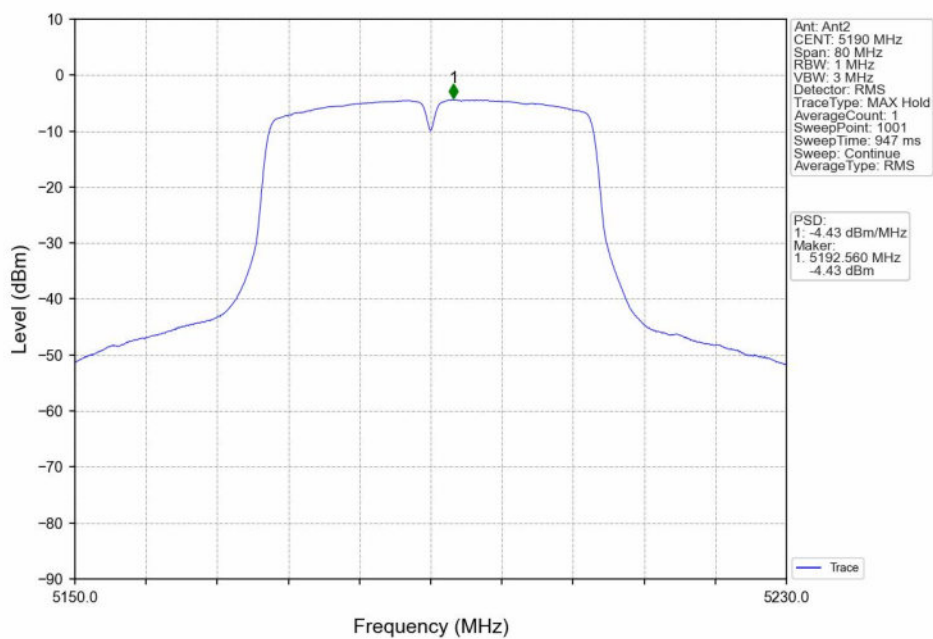
802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



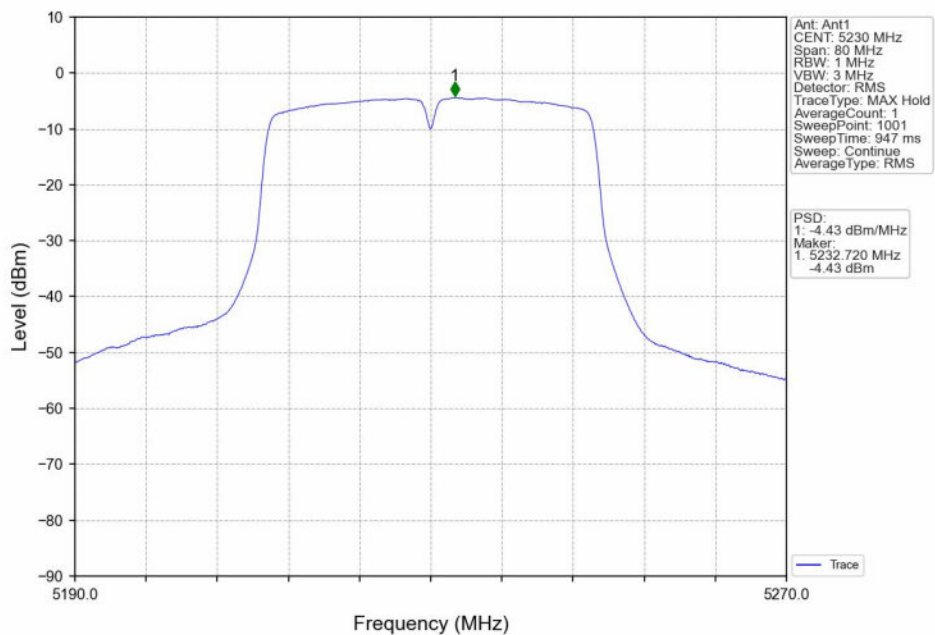
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



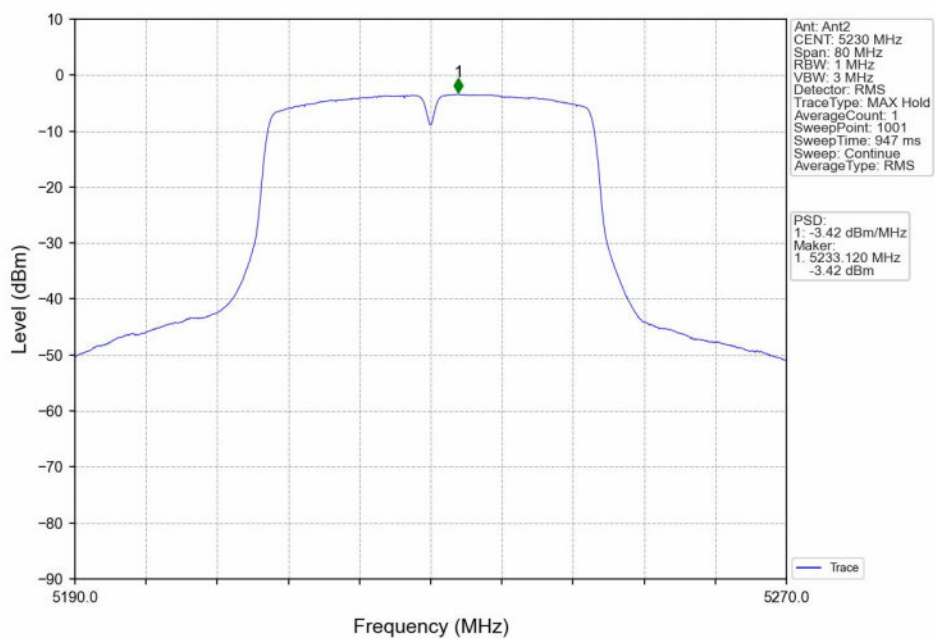
802.11n(HT40)_LCH_5190MHz_Ant2_NTNV



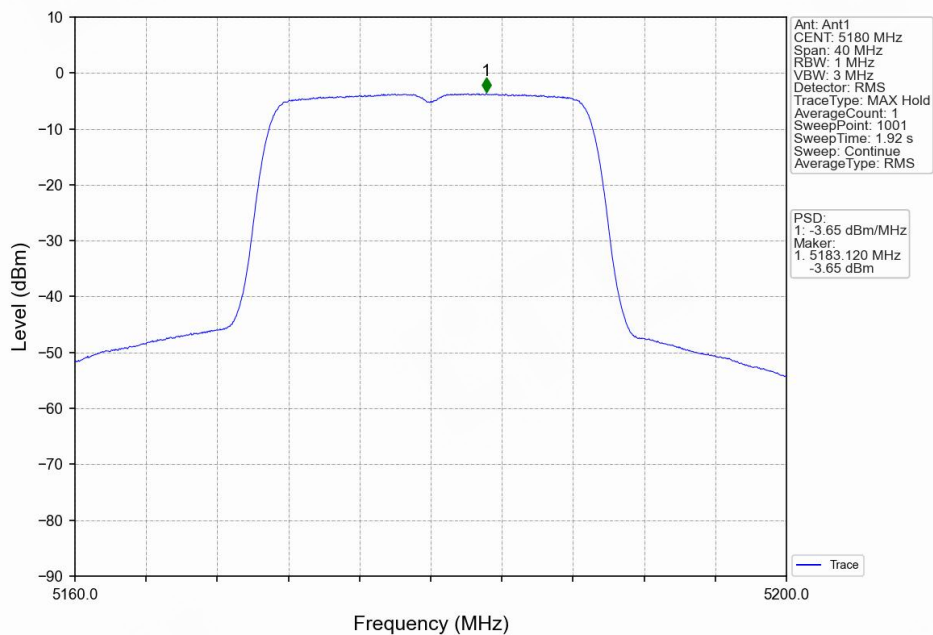
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



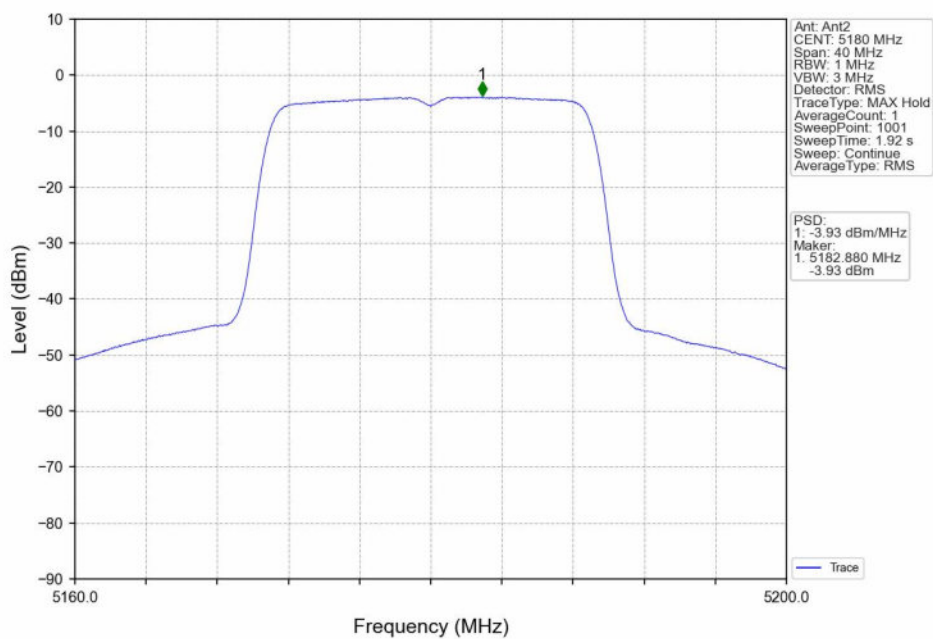
802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



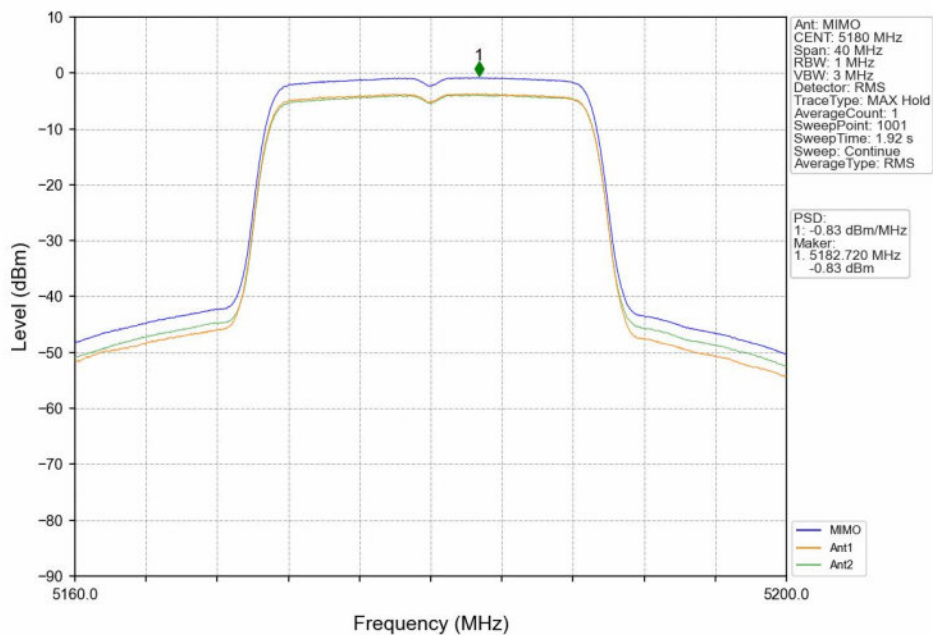
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



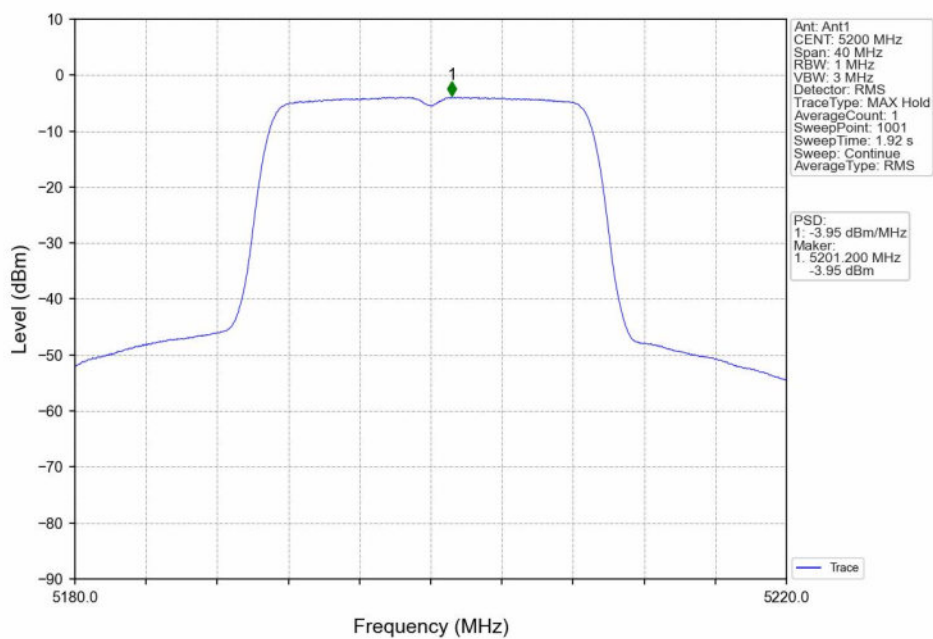
802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



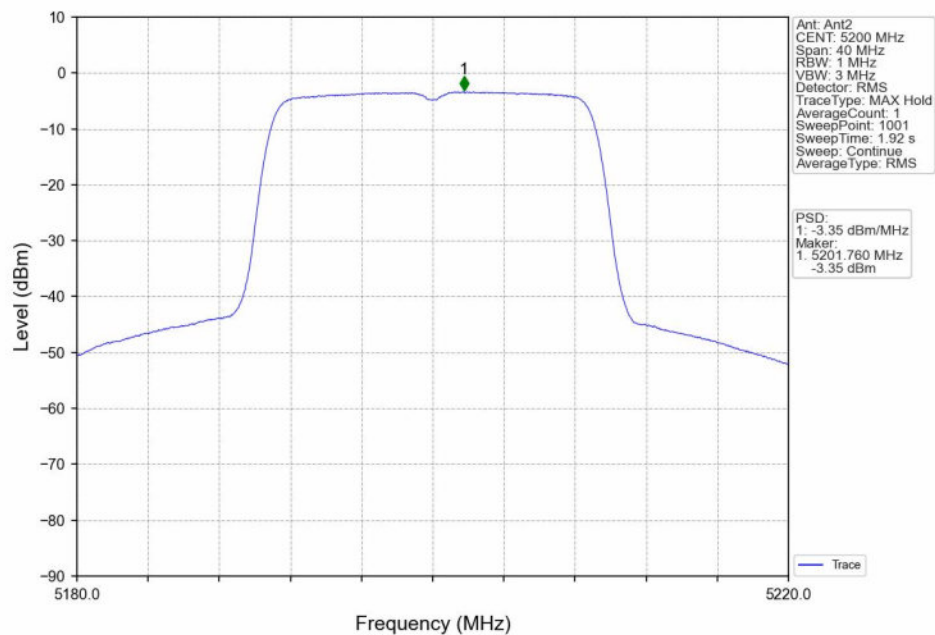
802.11n(HT20)_LCH_5180MHz_MIMO_NTNV



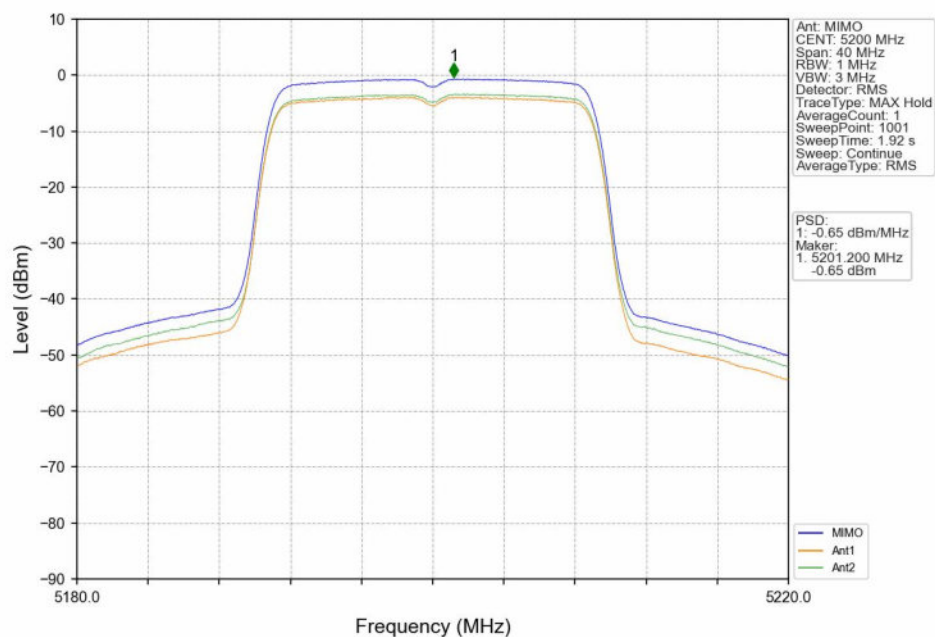
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



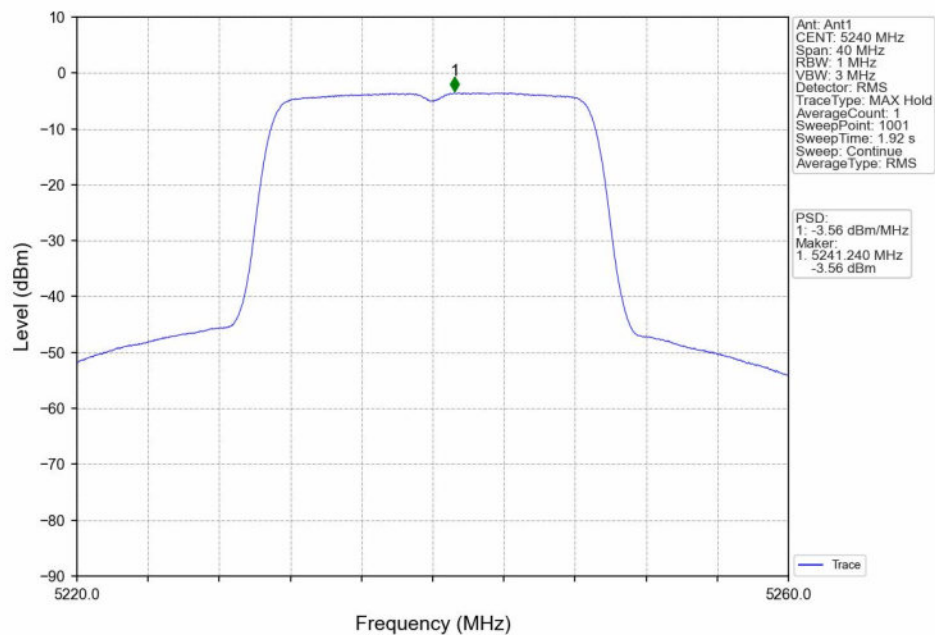
802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



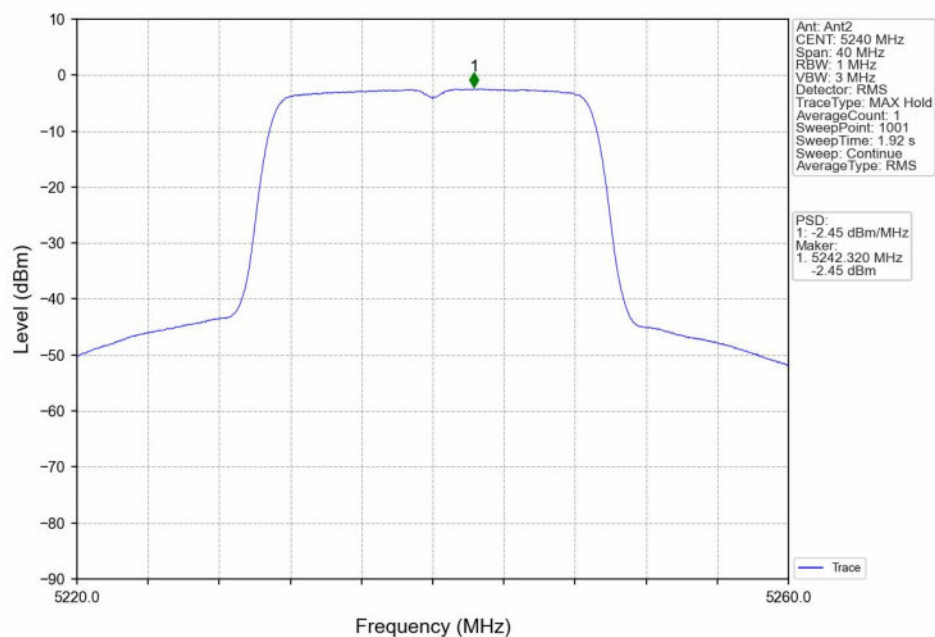
802.11n(HT20)_MCH_5200MHz_MIMO_NTNV



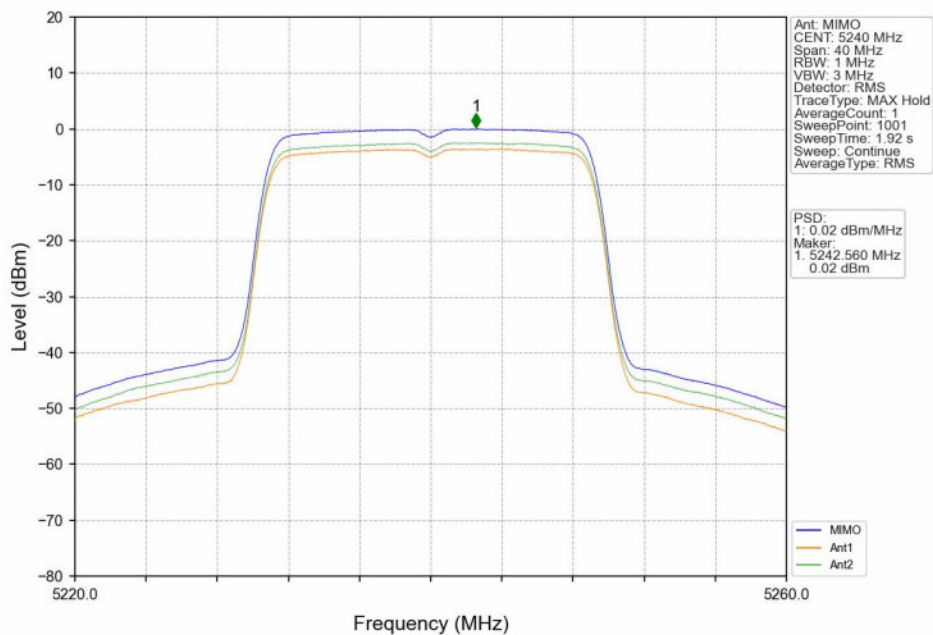
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



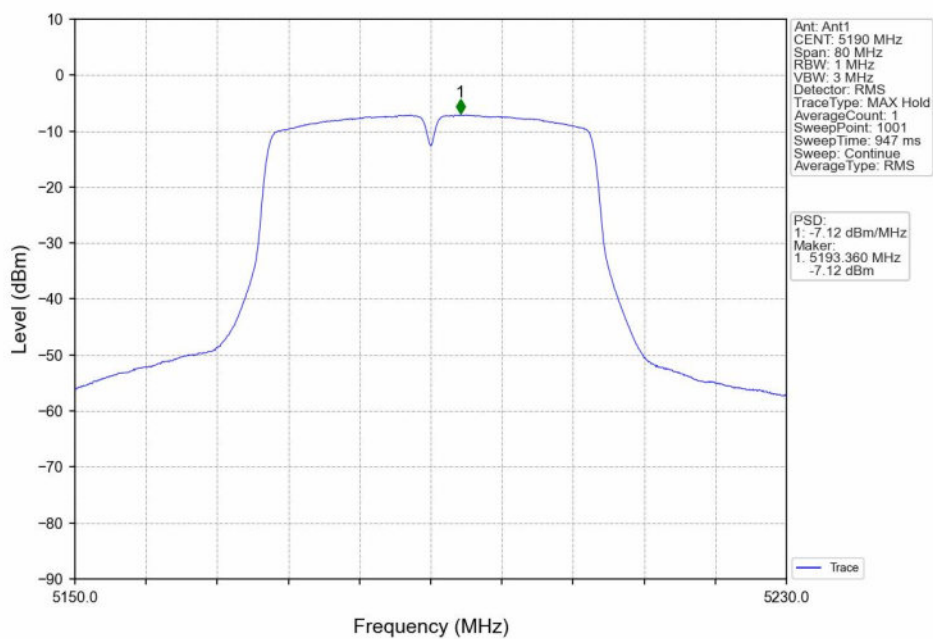
802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



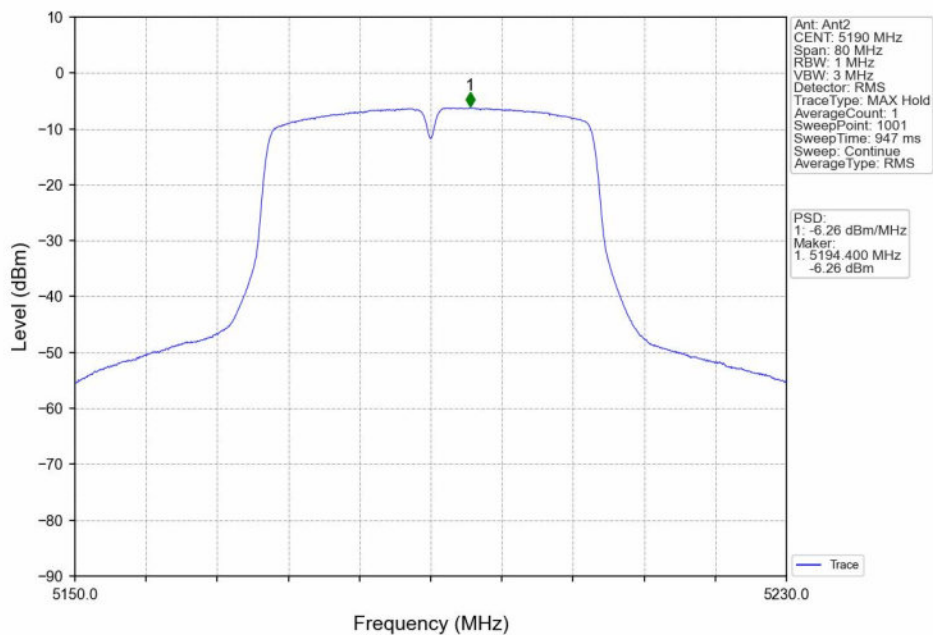
802.11n(HT20)_HCH_5240MHz_MIMO_NTNV



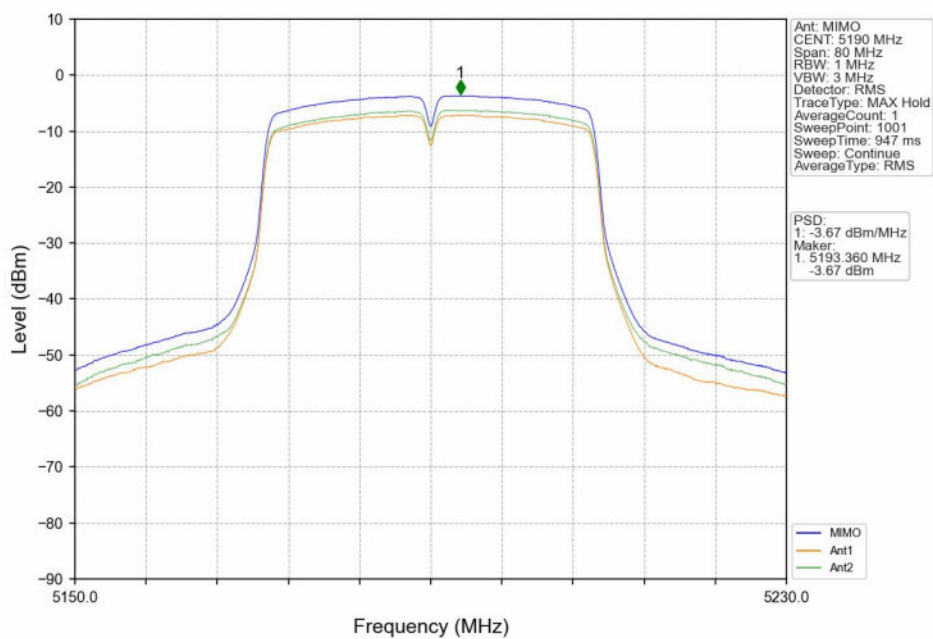
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



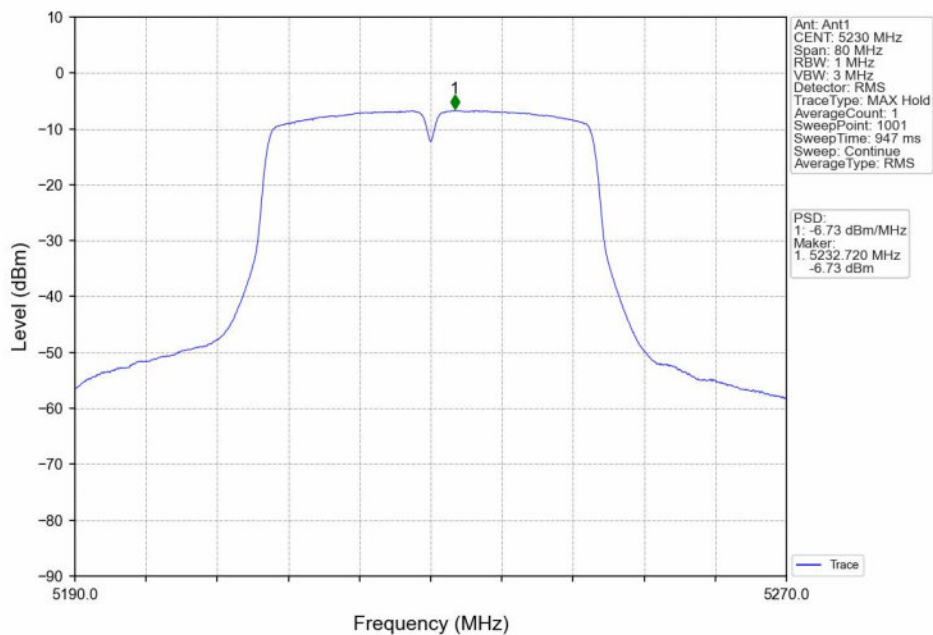
802.11n(HT40)_LCH_5190MHz_Ant2_NTNV



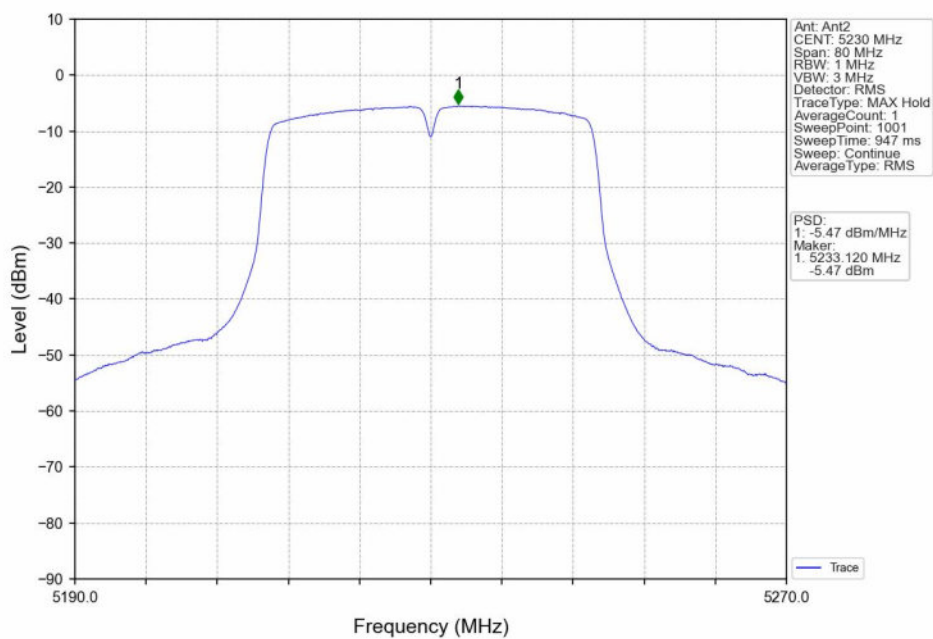
802.11n(HT40)_LCH_5190MHz_MIMO_NTNV



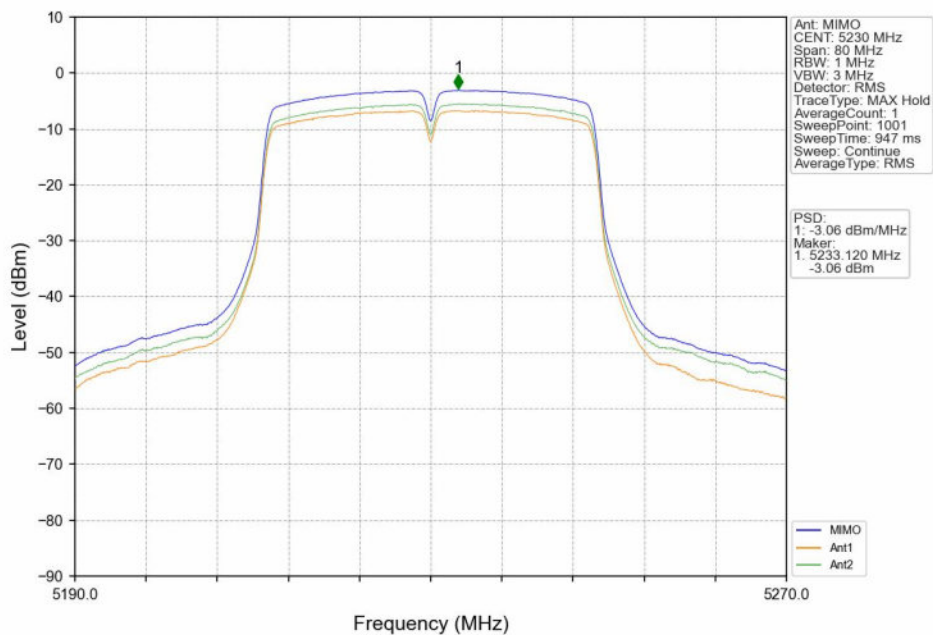
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



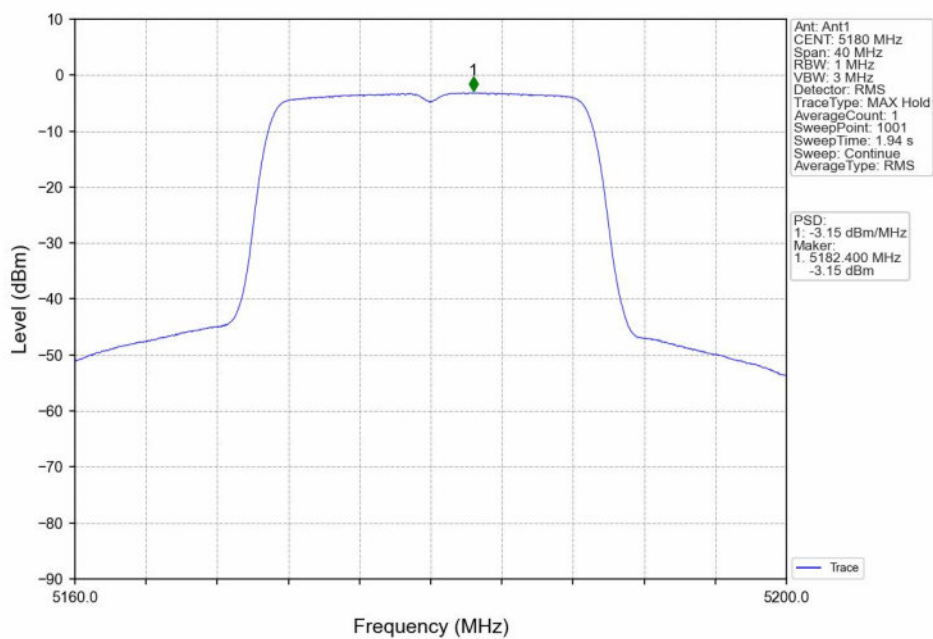
802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



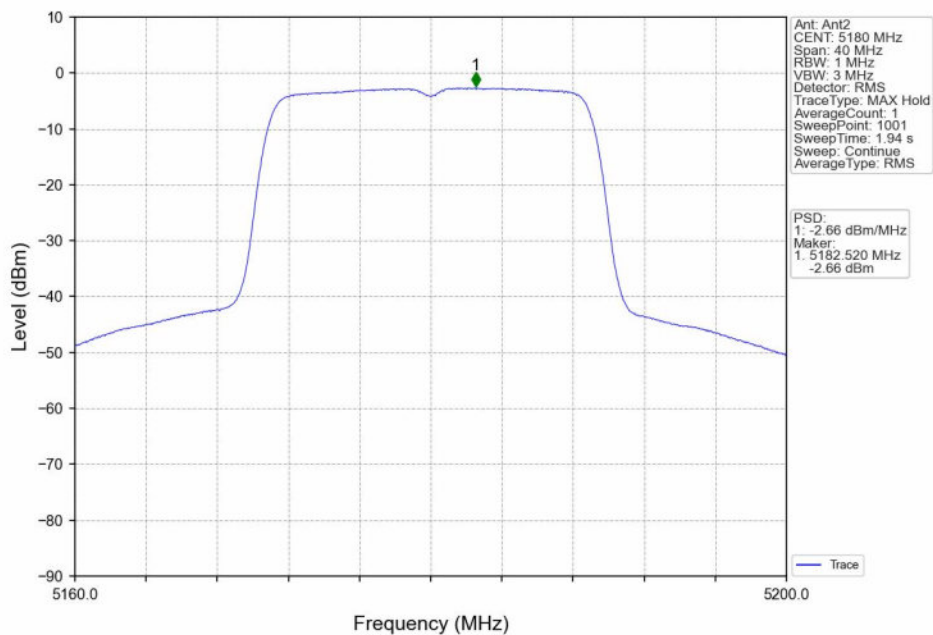
802.11n(HT40)_HCH_5230MHz_MIMO_NTNV



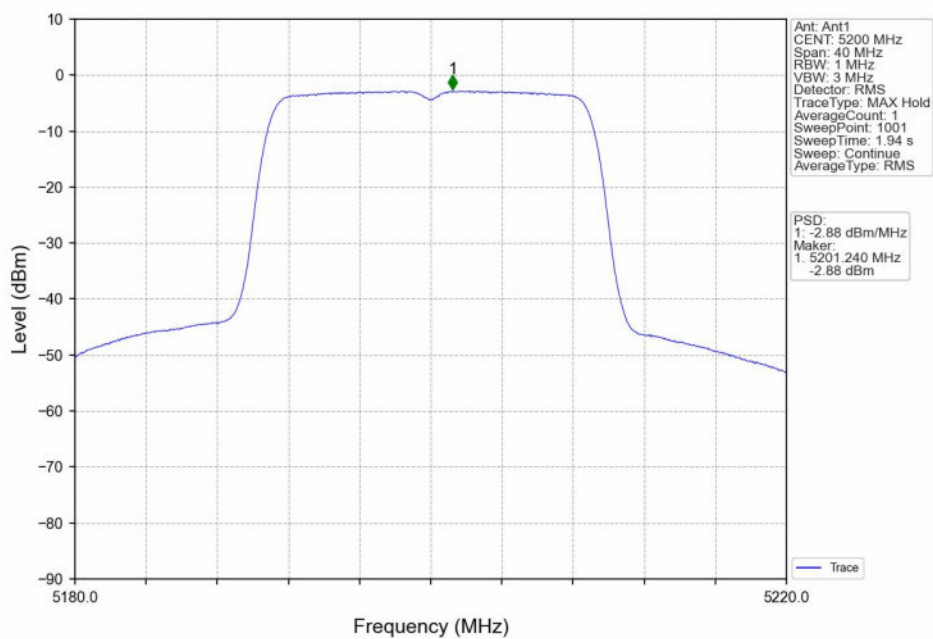
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



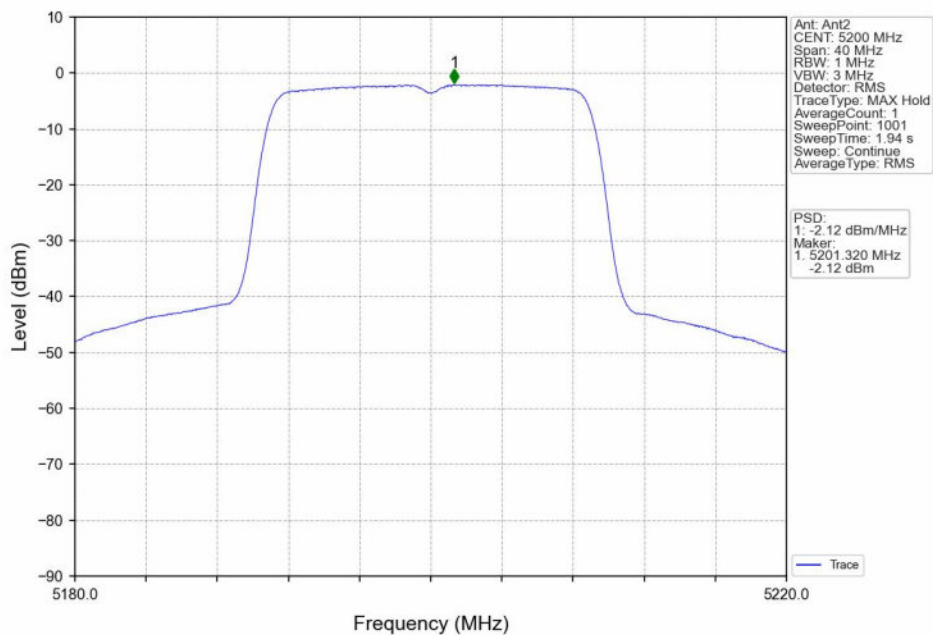
802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV



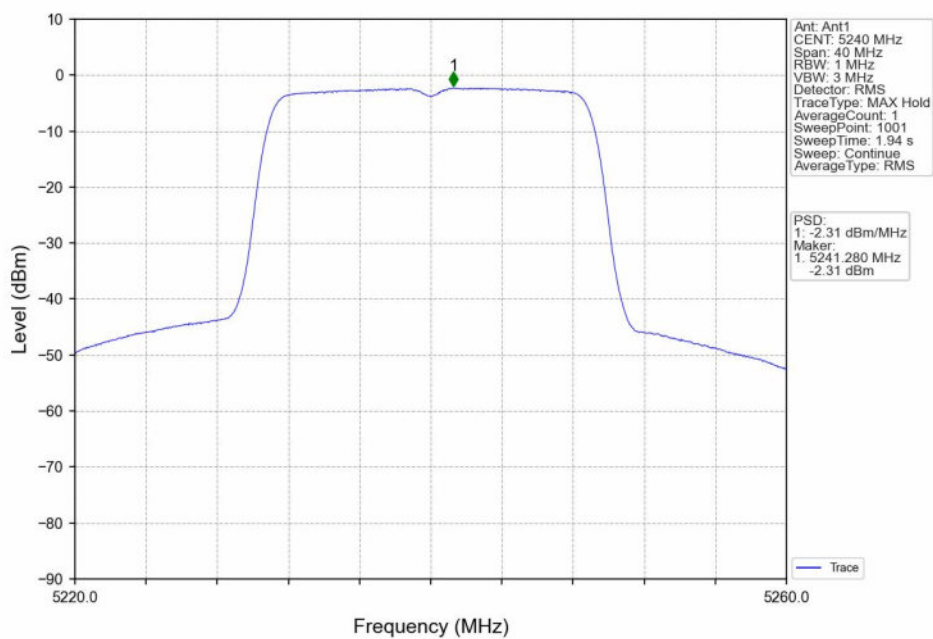
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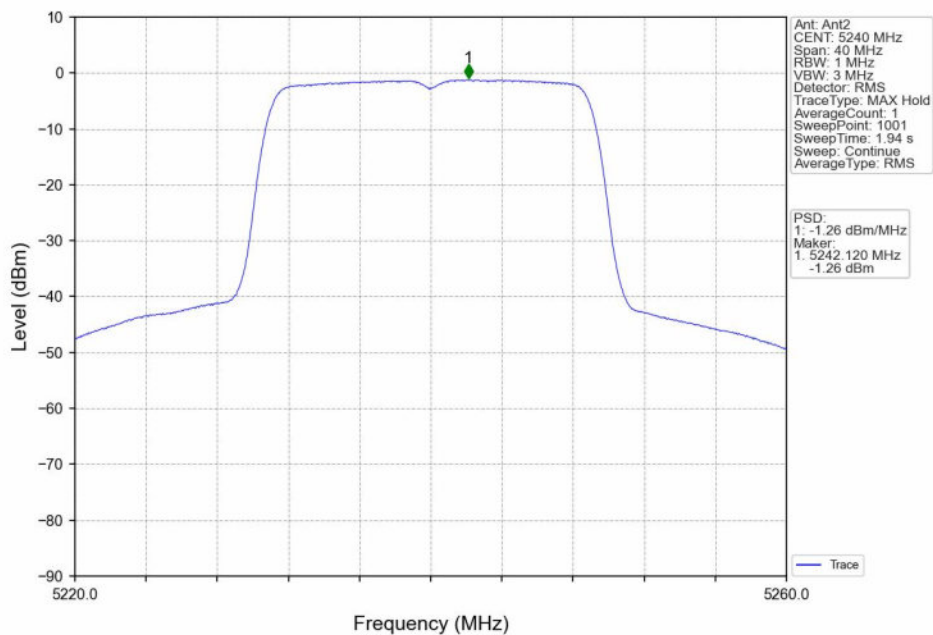
802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV



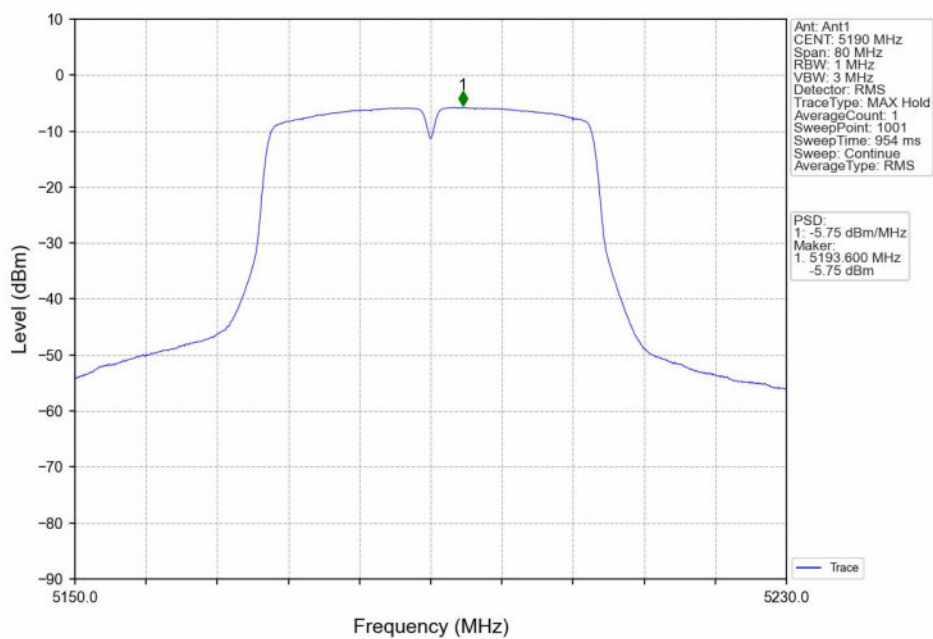
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



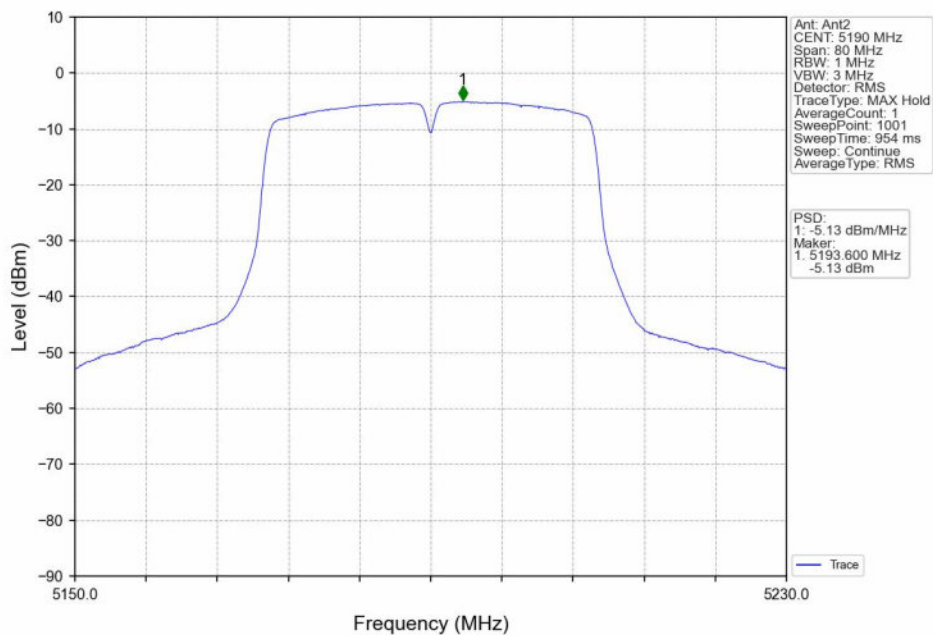
802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



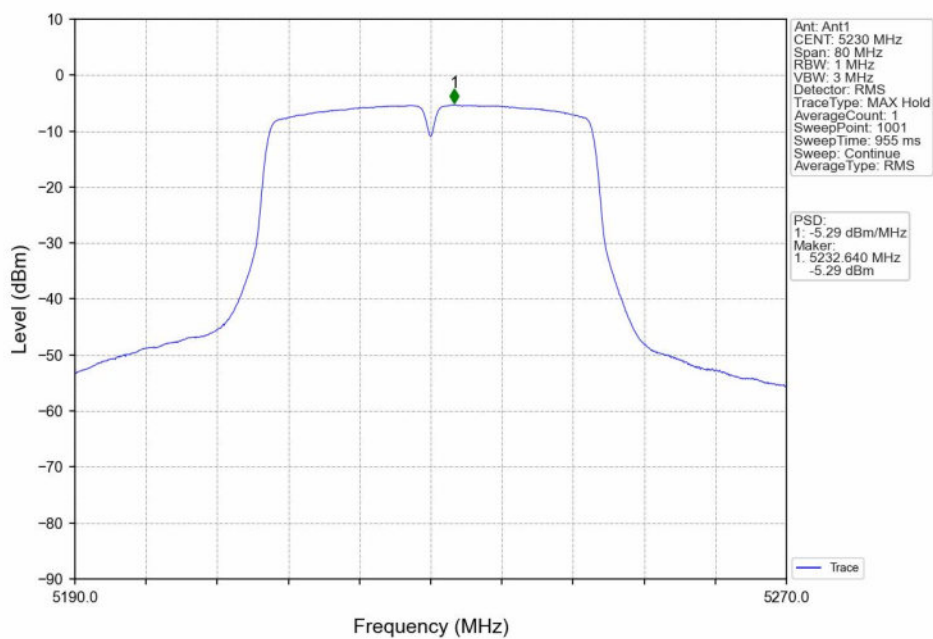
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



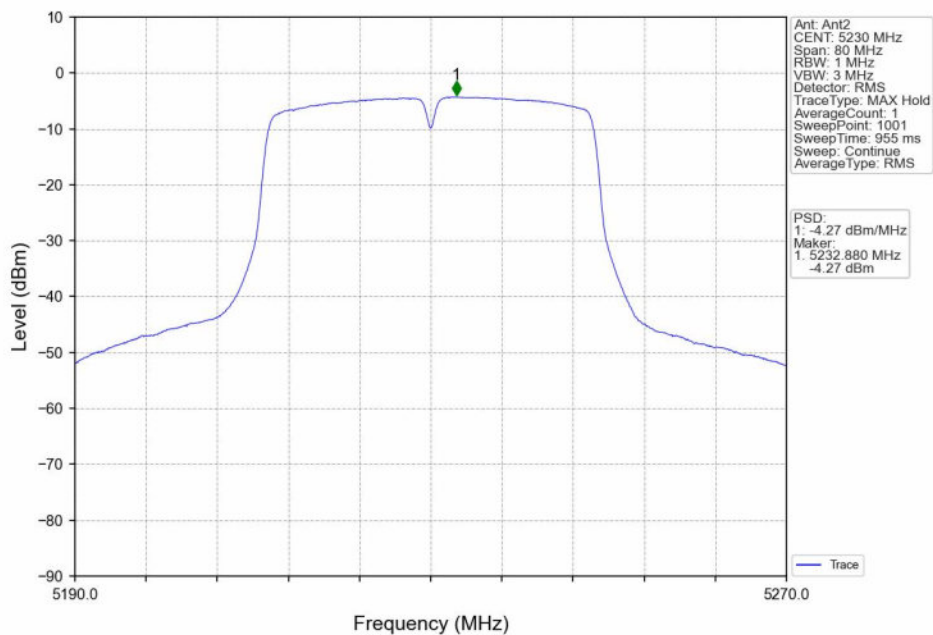
802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



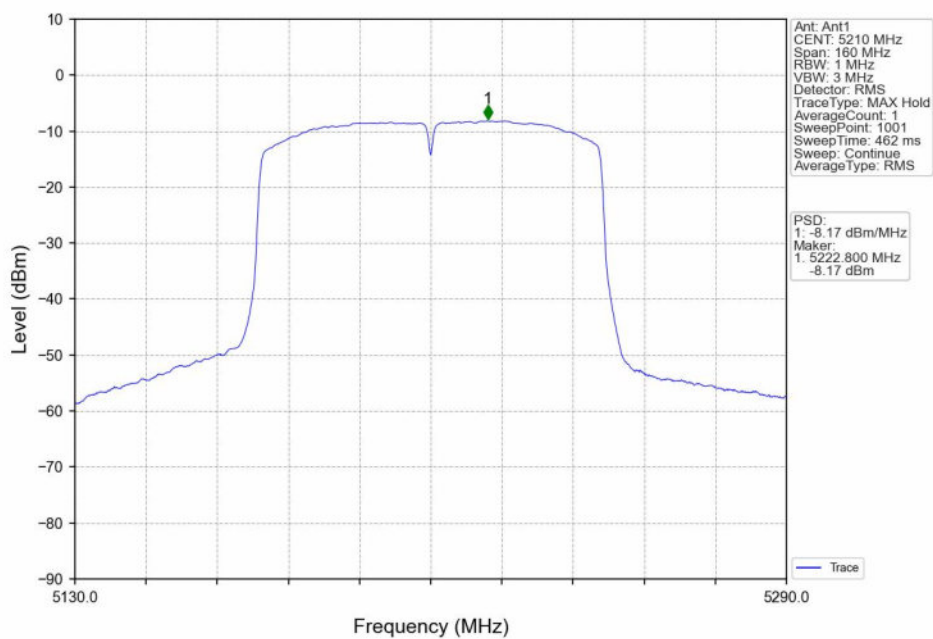
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



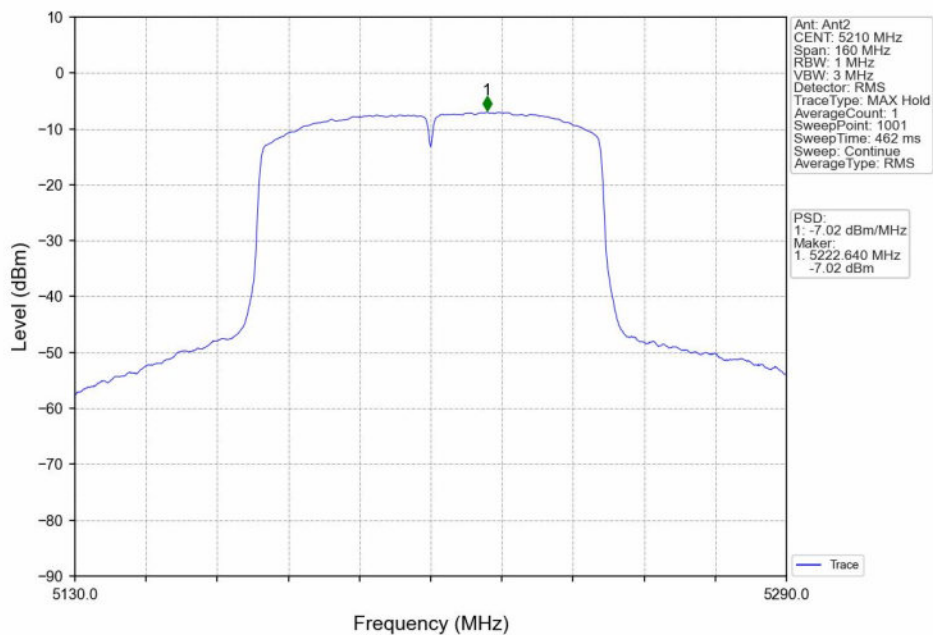
802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



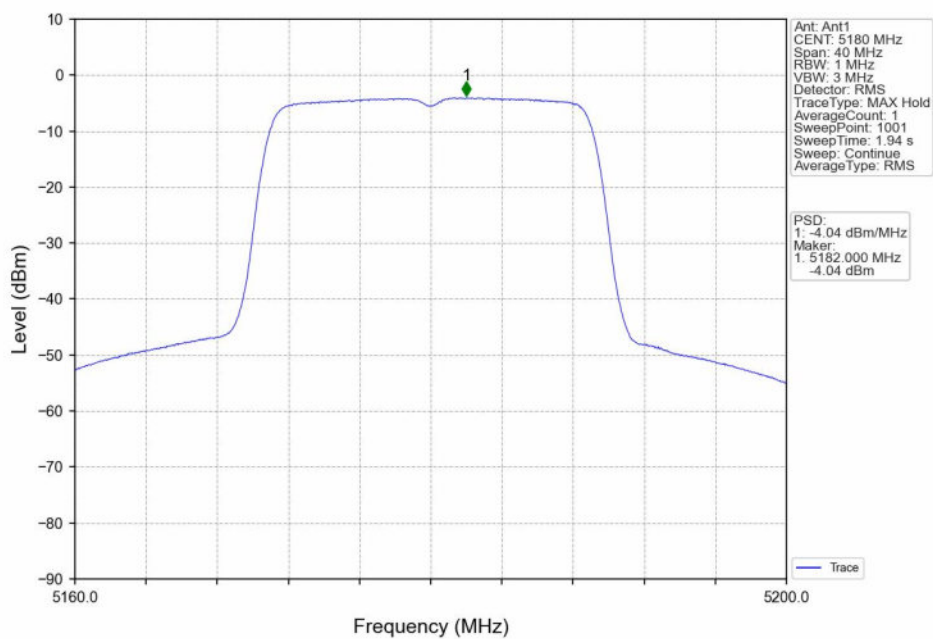
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



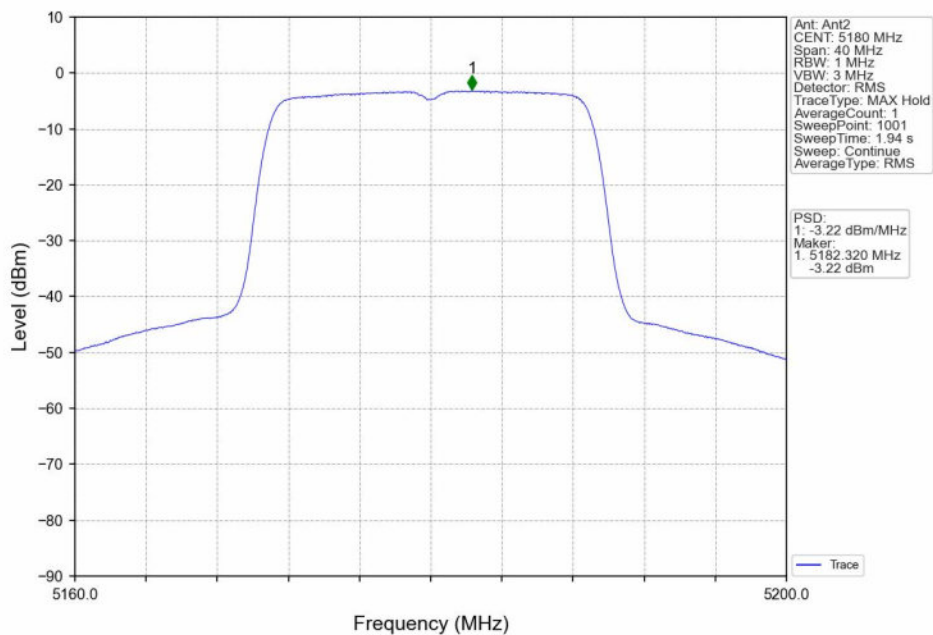
802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



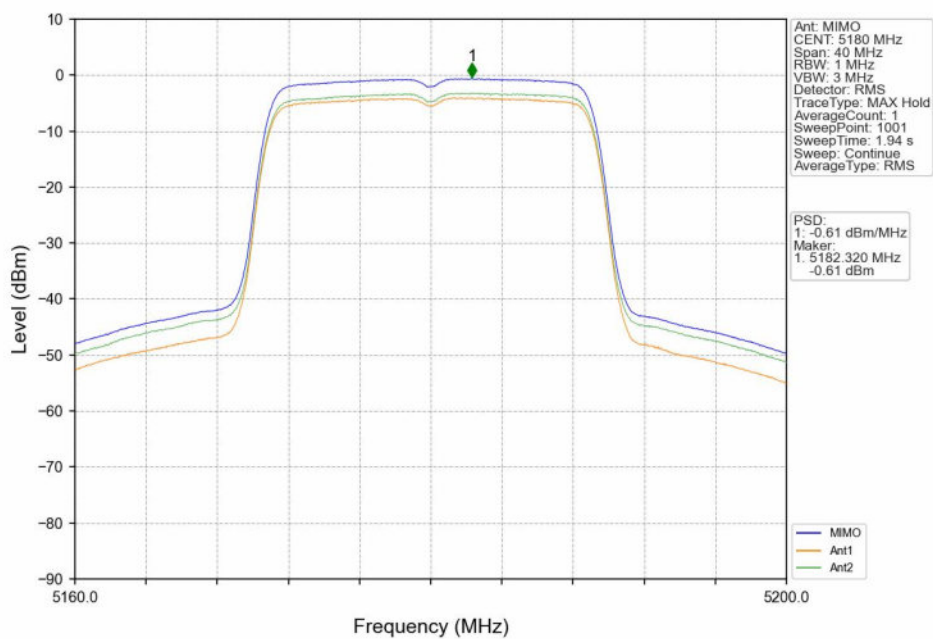
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



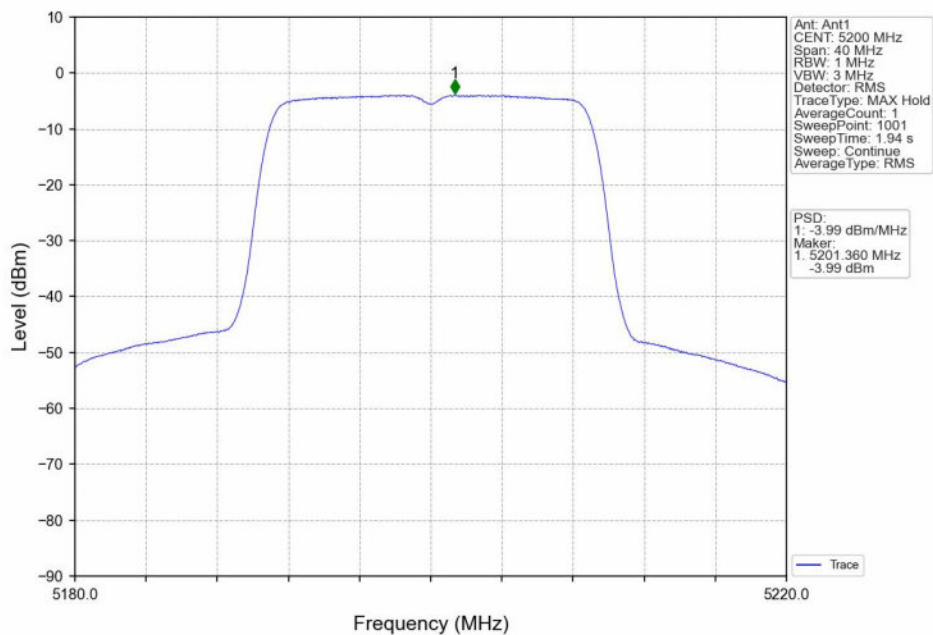
802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV



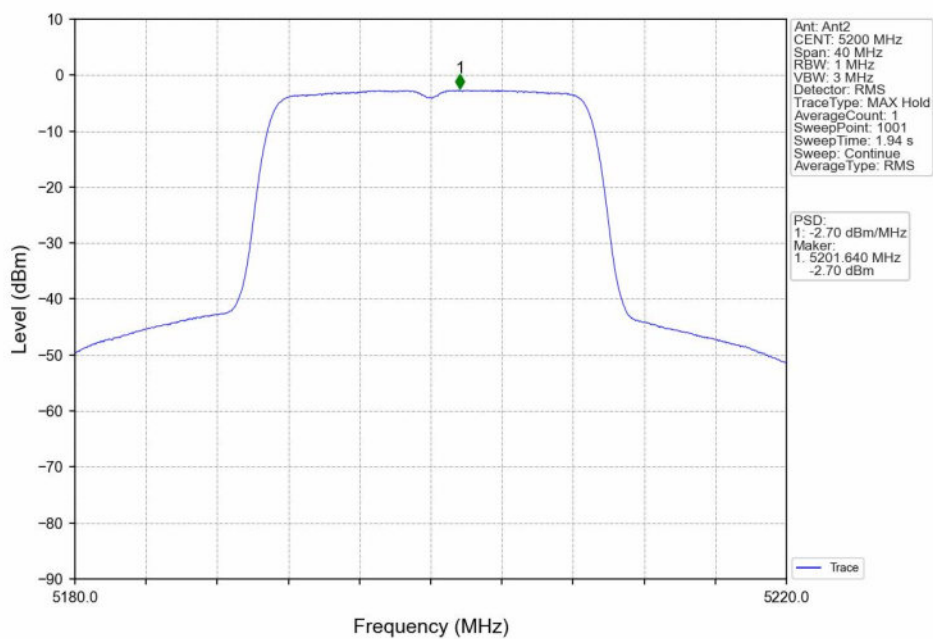
802.11ac(VHT20)_LCH_5180MHz_MIMO_NTNV



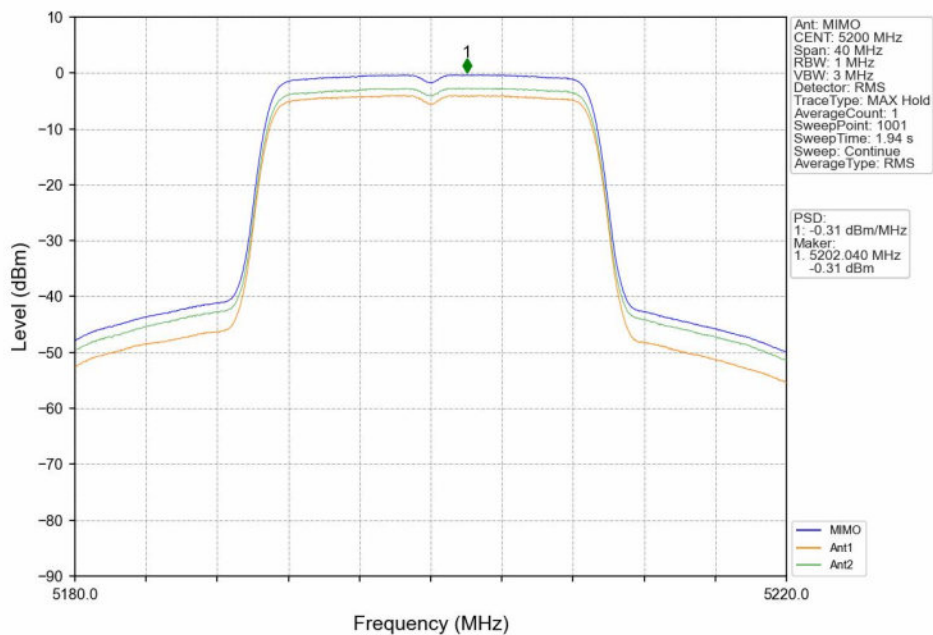
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



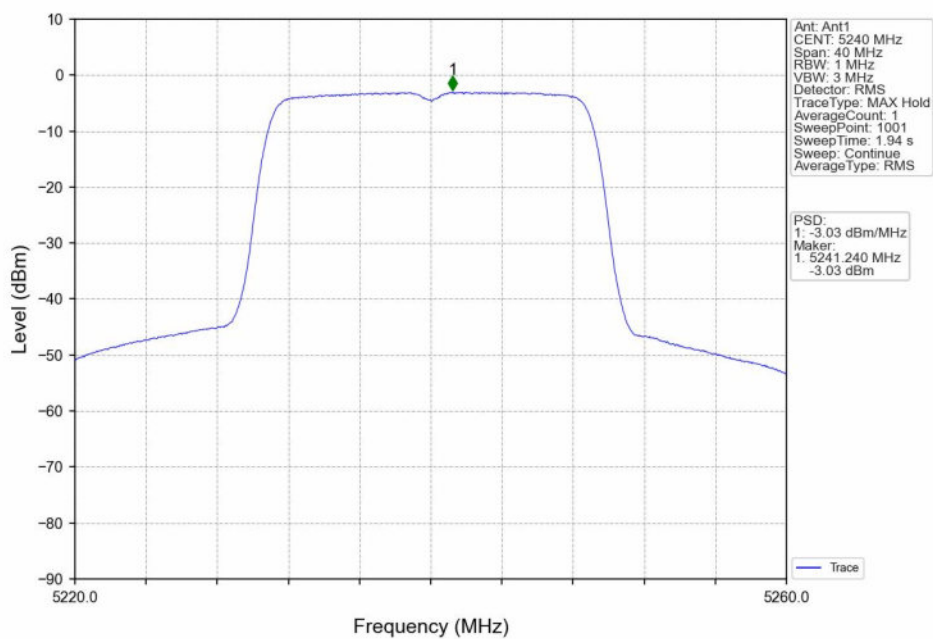
802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV



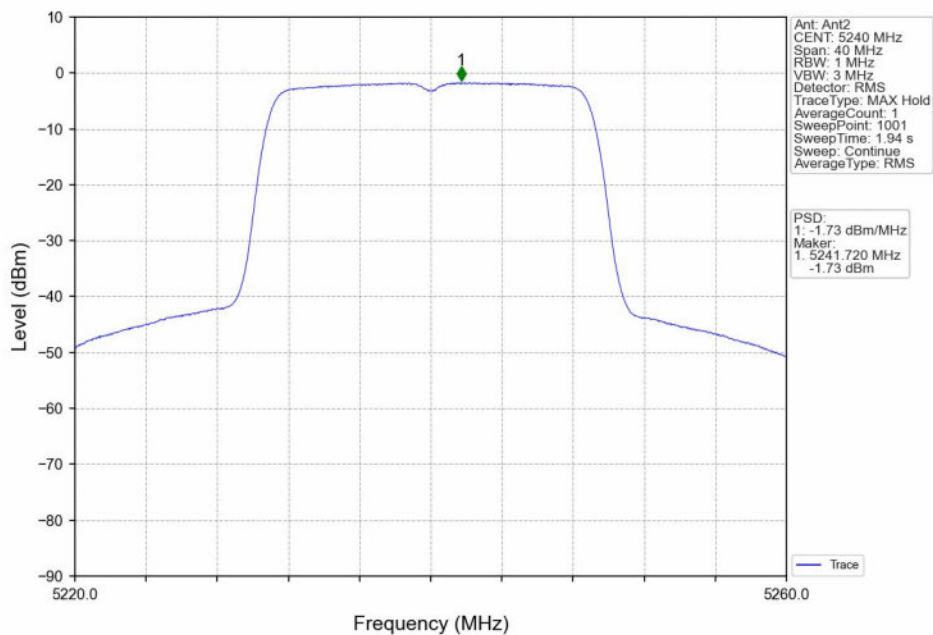
802.11ac(VHT20)_MCH_5200MHz_MIMO_NTNV



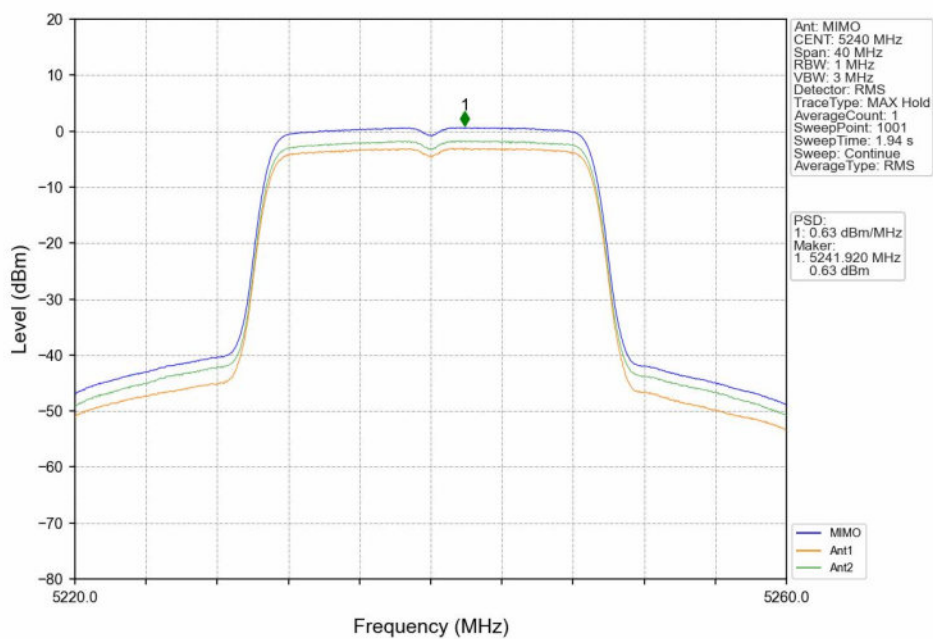
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



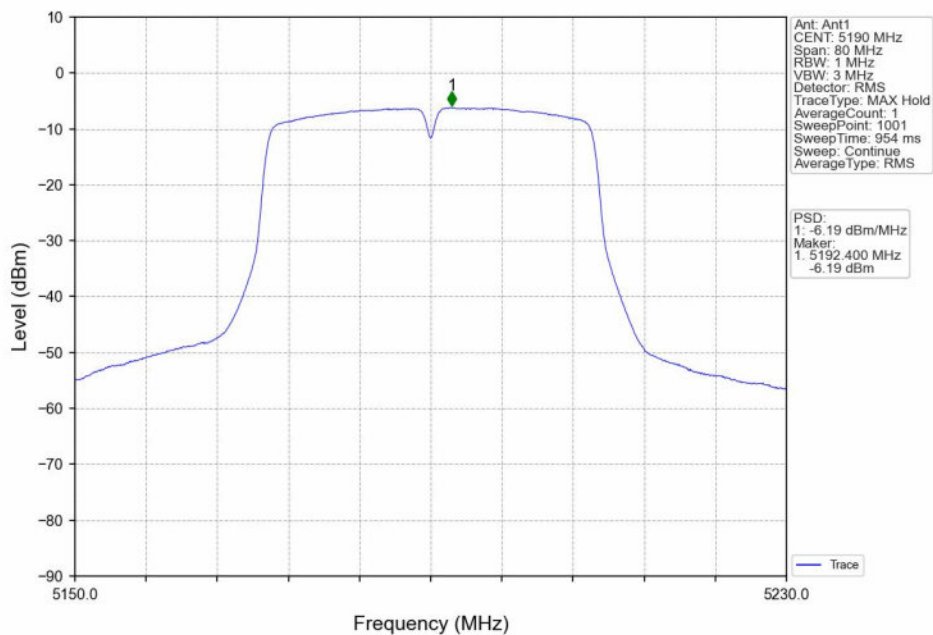
802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



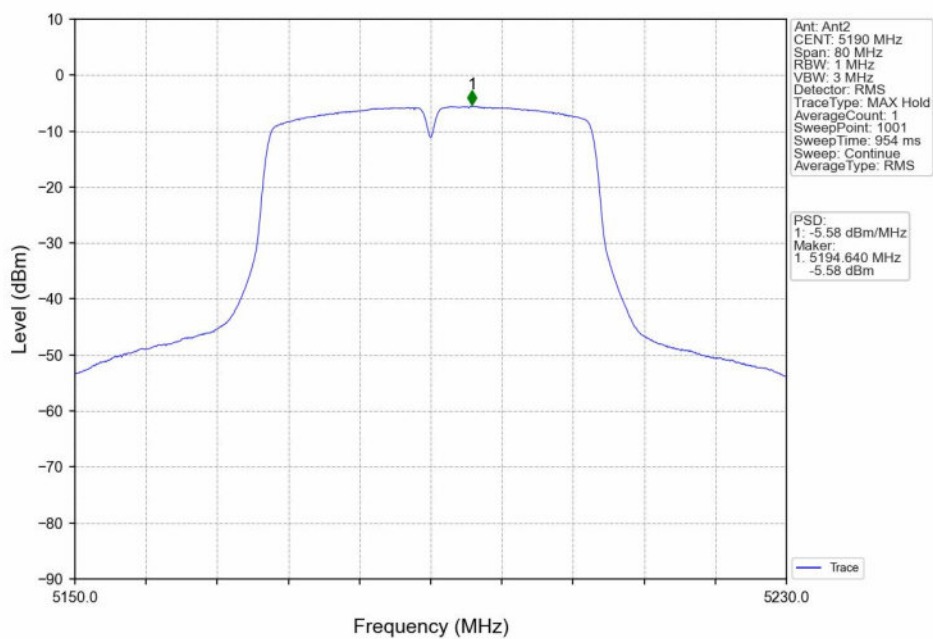
802.11ac(VHT20)_HCH_5240MHz_MIMO_NTNV



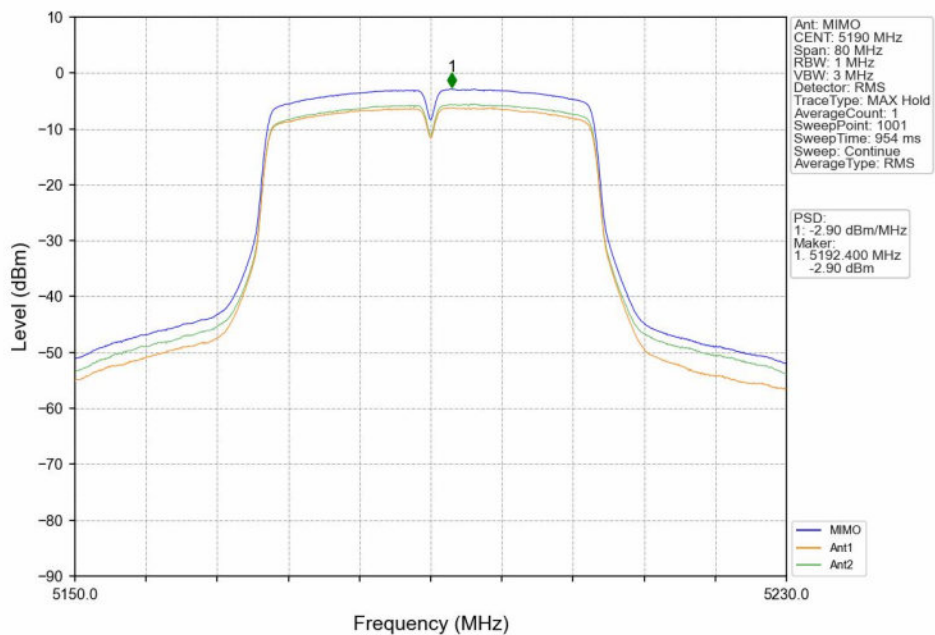
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



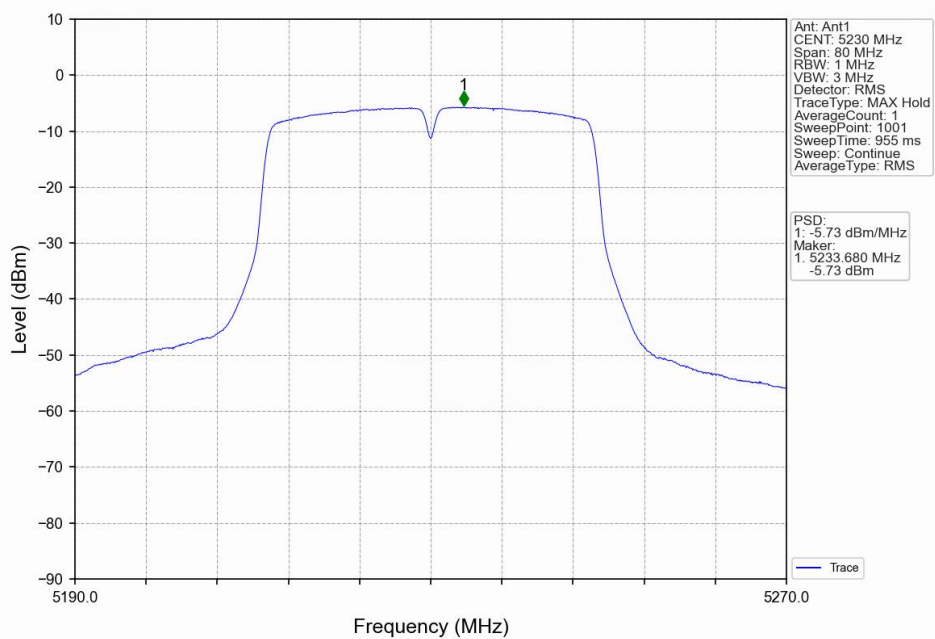
802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



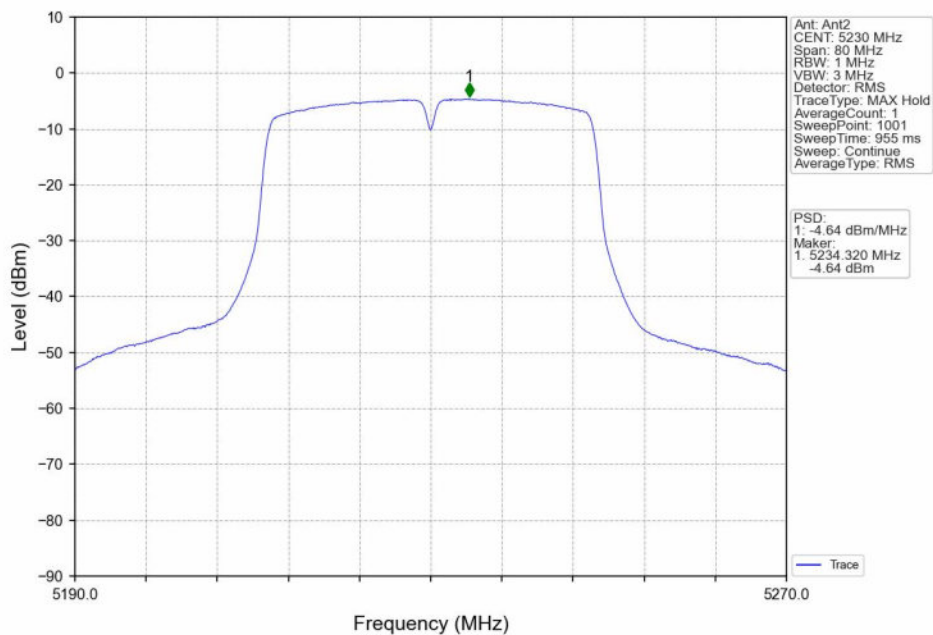
802.11ac(VHT40)_LCH_5190MHz_MIMO_NTNV



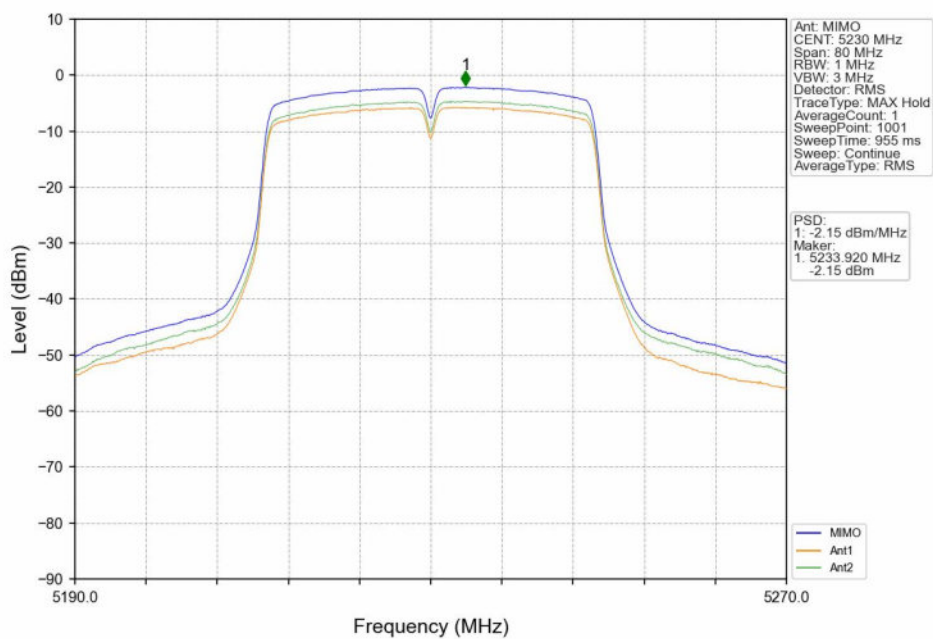
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



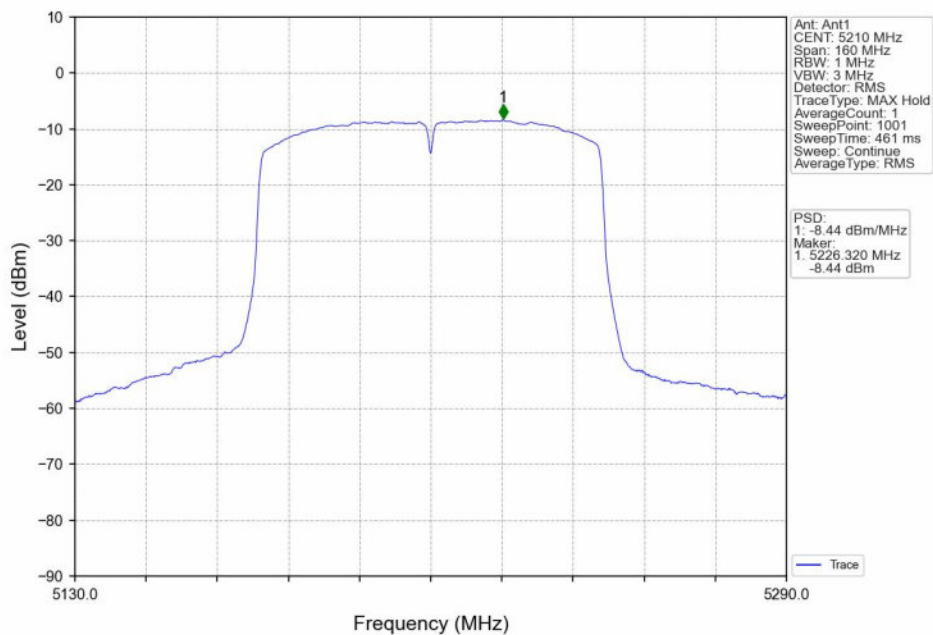
802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



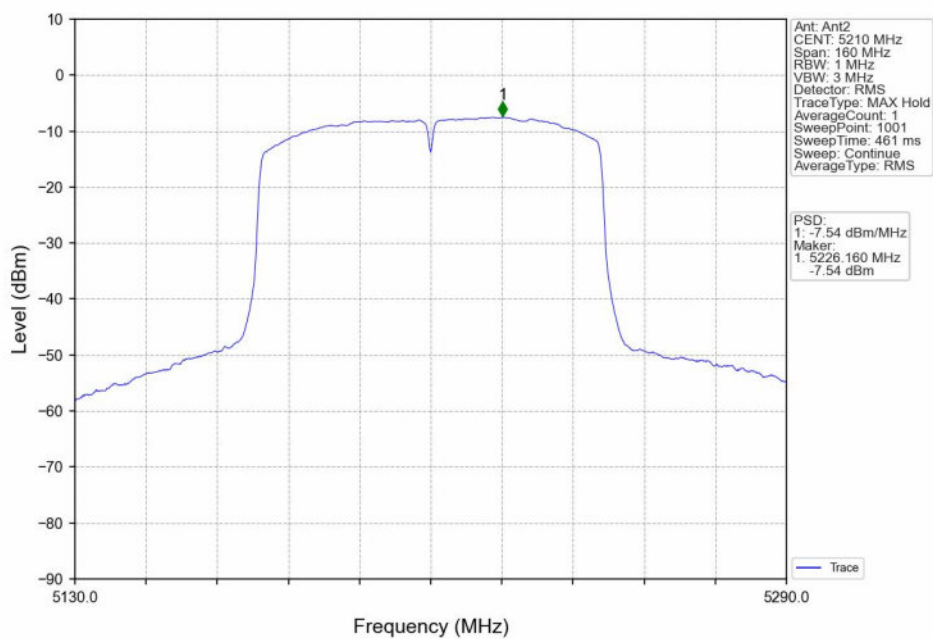
802.11ac(VHT40)_HCH_5230MHz_MIMO_NTNV



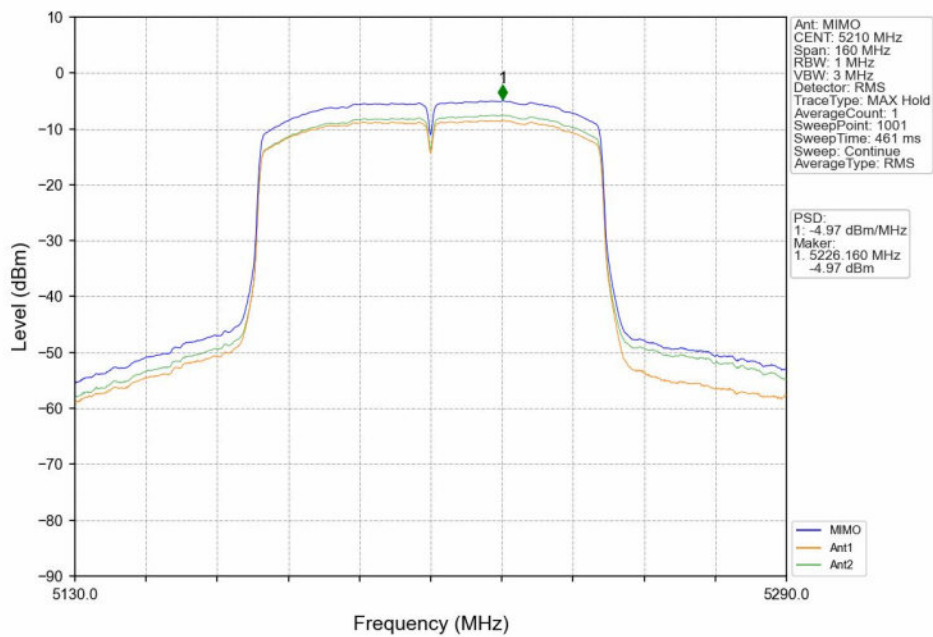
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5210MHz_MIMO_NTNV



4. Frequency Stability

4.1 Ant1

4.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5180	20	102	5179.999	5150 to 5250	Pass
				120	5179.998	5150 to 5250	Pass
				138	5179.998	5150 to 5250	Pass
			-30	120	5179.999	5150 to 5250	Pass
			-20	120	5179.999	5150 to 5250	Pass
			-10	120	5180.000	5150 to 5250	Pass
			0	120	5180.000	5150 to 5250	Pass
			10	120	5180.000	5150 to 5250	Pass
			30	120	5180.001	5150 to 5250	Pass
			40	120	5180.001	5150 to 5250	Pass
			50	120	5180.001	5150 to 5250	Pass
		5200	20	102	5200.000	5150 to 5250	Pass
				120	5200.000	5150 to 5250	Pass
				138	5200.000	5150 to 5250	Pass
			-30	120	5200.001	5150 to 5250	Pass
			-20	120	5200.001	5150 to 5250	Pass
			-10	120	5200.001	5150 to 5250	Pass
			0	120	5200.002	5150 to 5250	Pass
			10	120	5200.002	5150 to 5250	Pass
			30	120	5200.002	5150 to 5250	Pass
			40	120	5200.002	5150 to 5250	Pass
			50	120	5200.003	5150 to 5250	Pass
		5240	20	102	5240.001	5150 to 5250	Pass
				120	5240.002	5150 to 5250	Pass
				138	5240.002	5150 to 5250	Pass
			-30	120	5240.002	5150 to 5250	Pass
			-20	120	5240.003	5150 to 5250	Pass
			-10	120	5240.003	5150 to 5250	Pass
			0	120	5240.003	5150 to 5250	Pass
			10	120	5240.003	5150 to 5250	Pass
			30	120	5240.003	5150 to 5250	Pass
			40	120	5240.003	5150 to 5250	Pass
			50	120	5240.004	5150 to 5250	Pass
	MIMO	5190	20	102	5189.998	5150 to 5250	Pass
				120	5189.998	5150 to 5250	Pass
				138	5189.999	5150 to 5250	Pass
			-30	120	5189.999	5150 to 5250	Pass
			-20	120	5190.000	5150 to 5250	Pass
			-10	120	5190.000	5150 to 5250	Pass
			0	120	5190.000	5150 to 5250	Pass
			10	120	5190.001	5150 to 5250	Pass
			30	120	5190.001	5150 to 5250	Pass
			40	120	5190.001	5150 to 5250	Pass
			50	120	5190.001	5150 to 5250	Pass
		5230	20	102	5230.000	5150 to 5250	Pass
				120	5230.000	5150 to 5250	Pass
				138	5230.001	5150 to 5250	Pass

			-30	120	5230.001	5150 to 5250	Pass
			-20	120	5230.001	5150 to 5250	Pass
			-10	120	5230.002	5150 to 5250	Pass
			0	120	5230.002	5150 to 5250	Pass
			10	120	5230.002	5150 to 5250	Pass
			30	120	5230.002	5150 to 5250	Pass
			40	120	5230.002	5150 to 5250	Pass
			50	120	5230.003	5150 to 5250	Pass
		5210	20	102	5209.500	5150 to 5250	Pass
				120	5209.500	5150 to 5250	Pass
				138	5209.500	5150 to 5250	Pass
			-30	120	5209.500	5150 to 5250	Pass
			-20	120	5209.500	5150 to 5250	Pass
			-10	120	5209.501	5150 to 5250	Pass
			0	120	5209.501	5150 to 5250	Pass
			10	120	5209.500	5150 to 5250	Pass
			30	120	5209.500	5150 to 5250	Pass
			40	120	5209.500	5150 to 5250	Pass
			50	120	5209.500	5150 to 5250	Pass