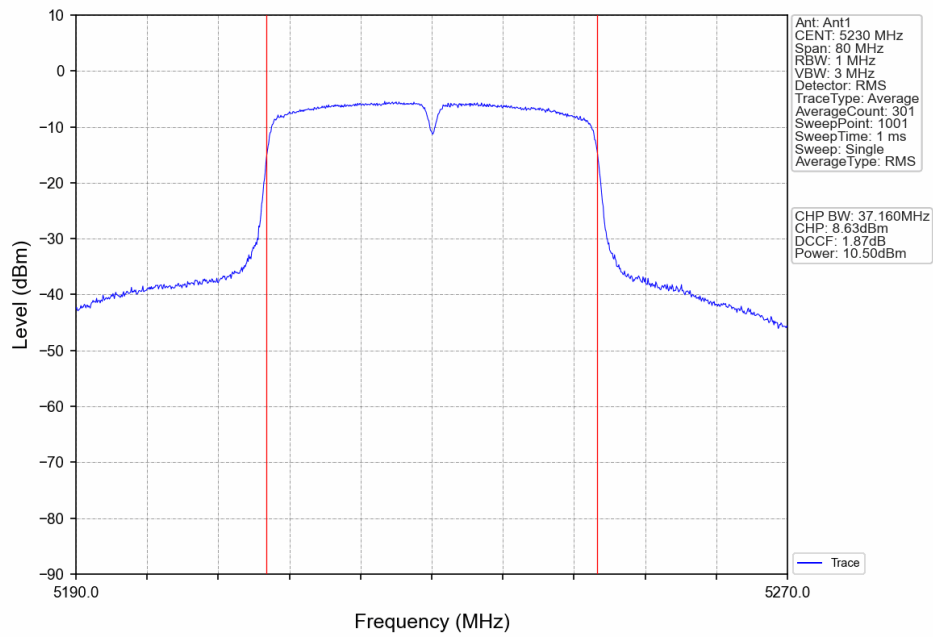
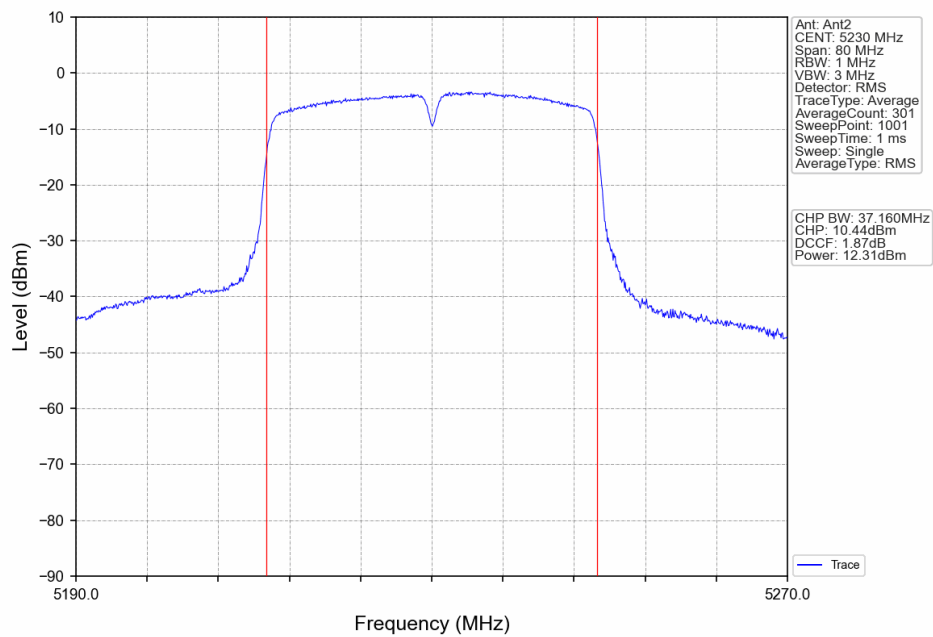


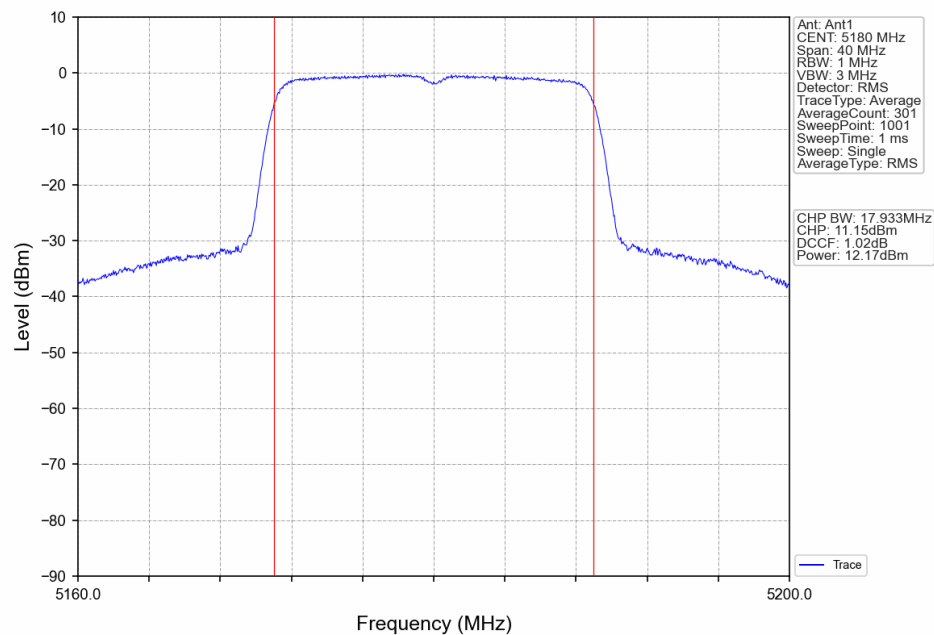
802.11n(HT40) HCH 5230MHz Ant1 NTV



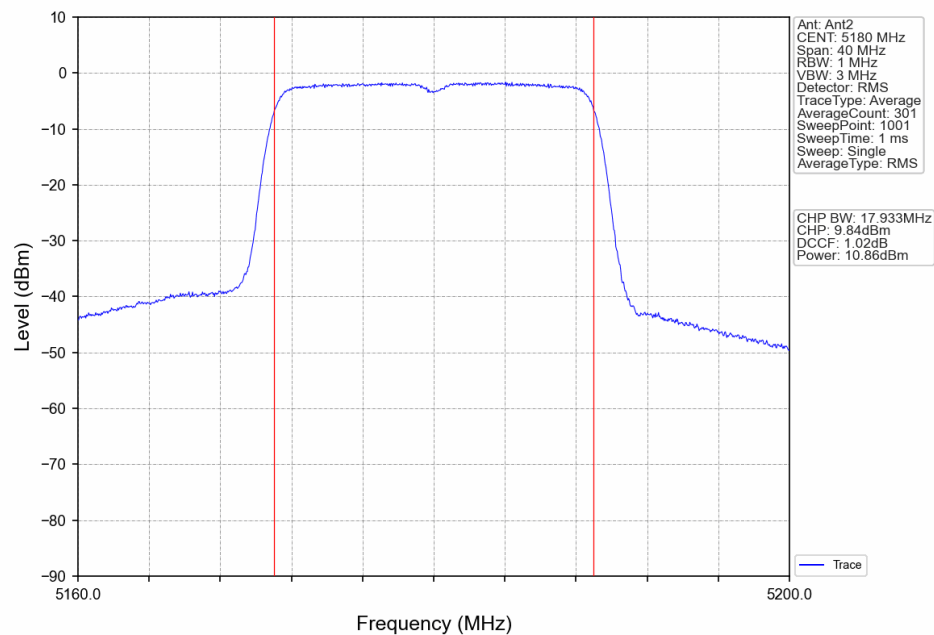
802.11n(HT40) HCH 5230MHz Ant2 NTV



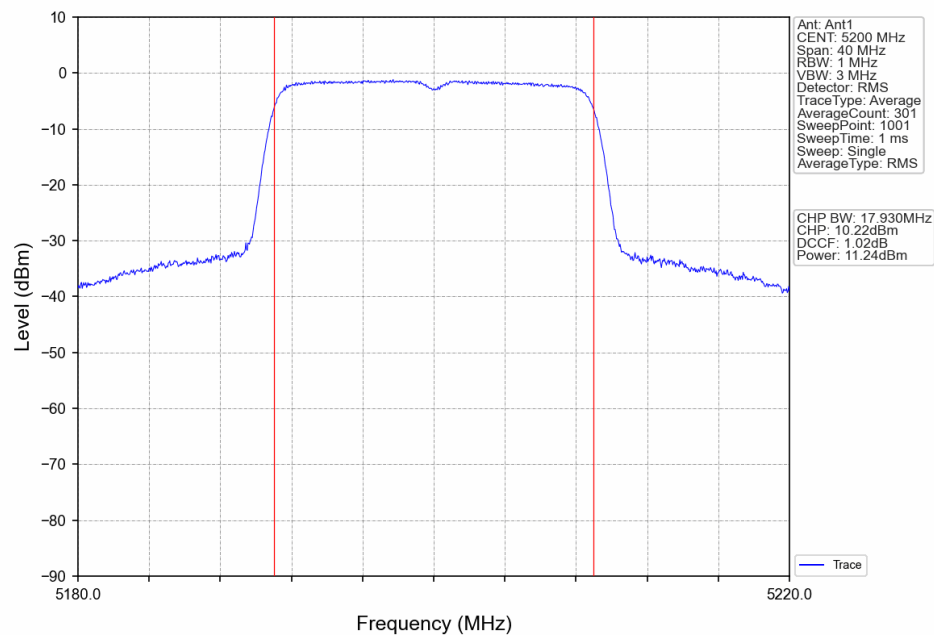
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



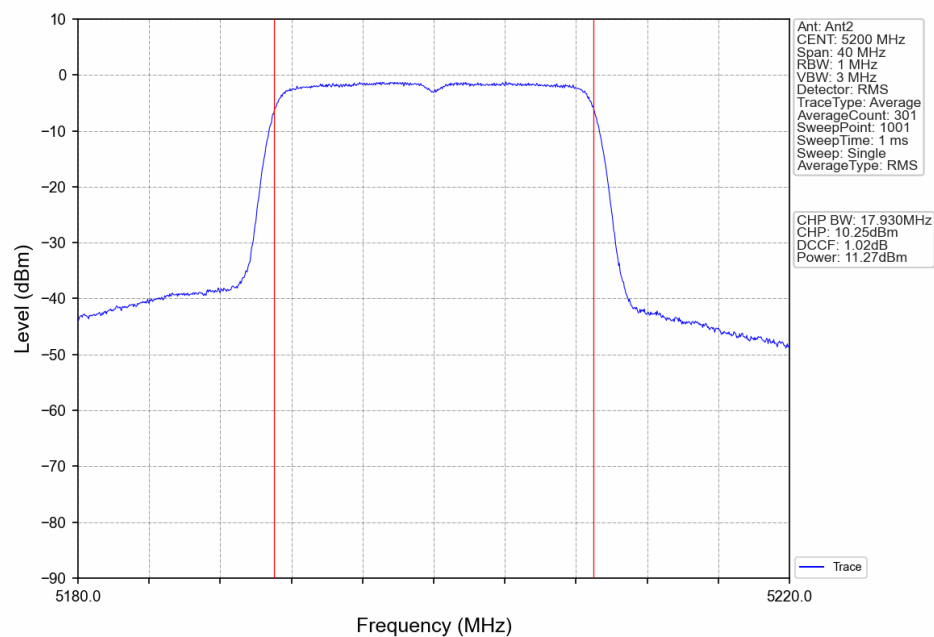
802.11ac(VHT20) LCH 5180MHz Ant2 NTN



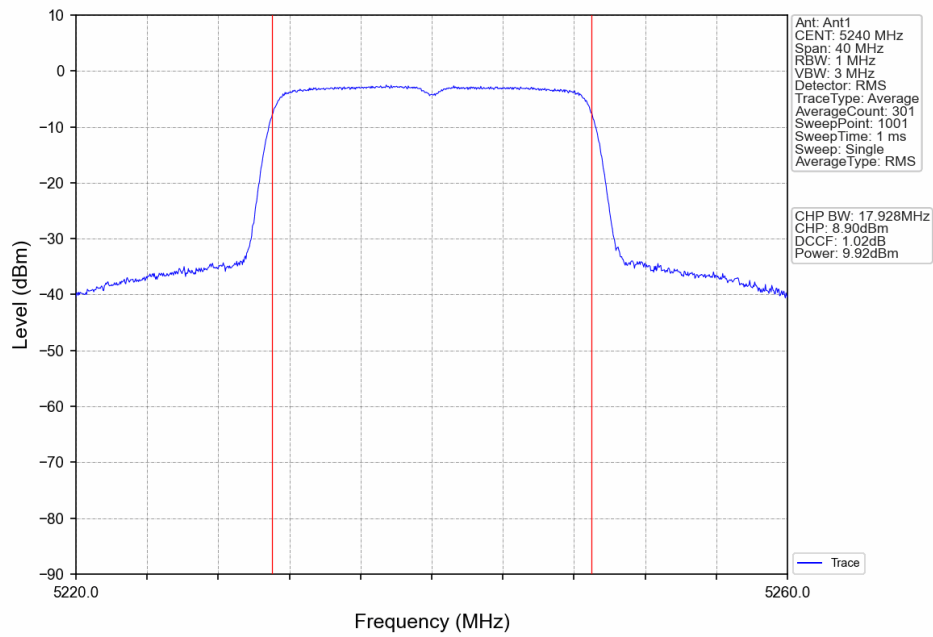
802.11ac(VHT20) MCH 5200MHz Ant1 NTV



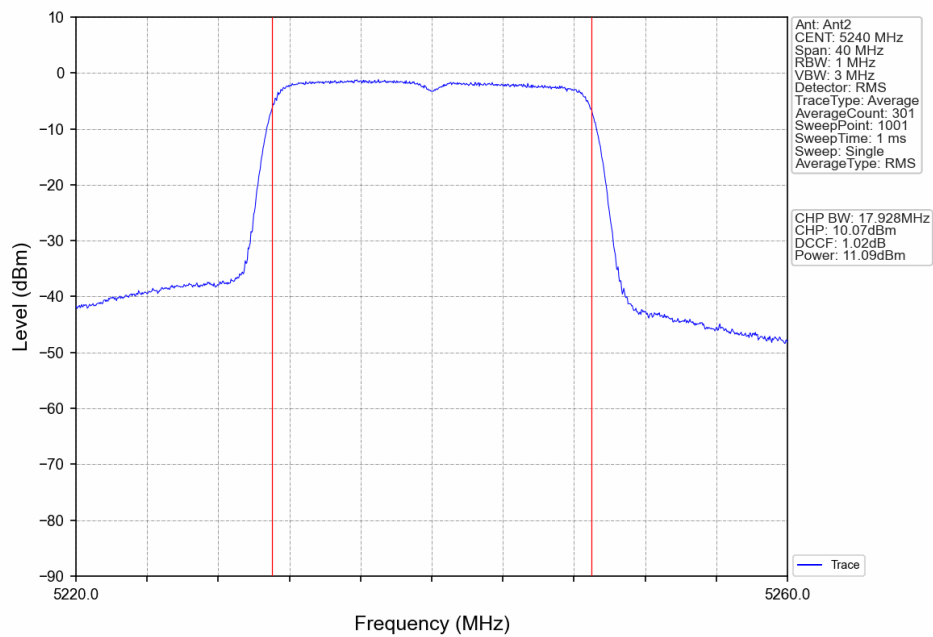
802.11ac(VHT20) MCH 5200MHz Ant2 NTV



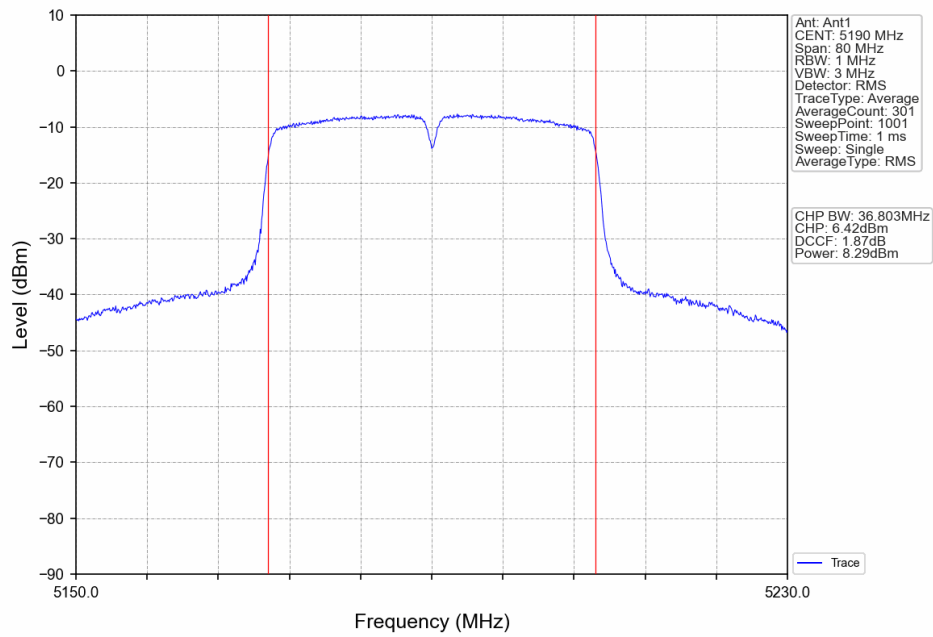
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



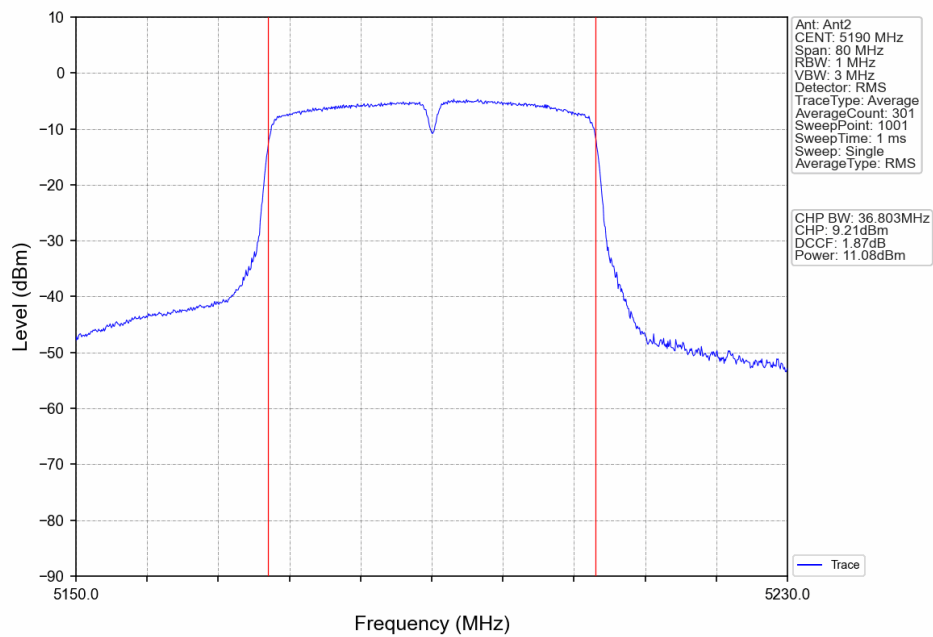
802.11ac(VHT20) HCH 5240MHz Ant2 NTN



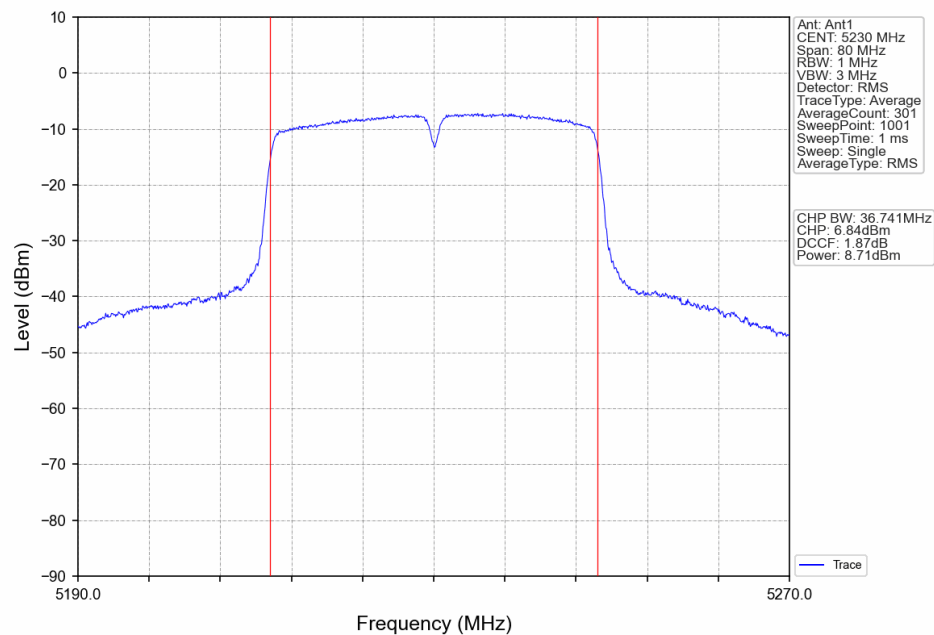
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



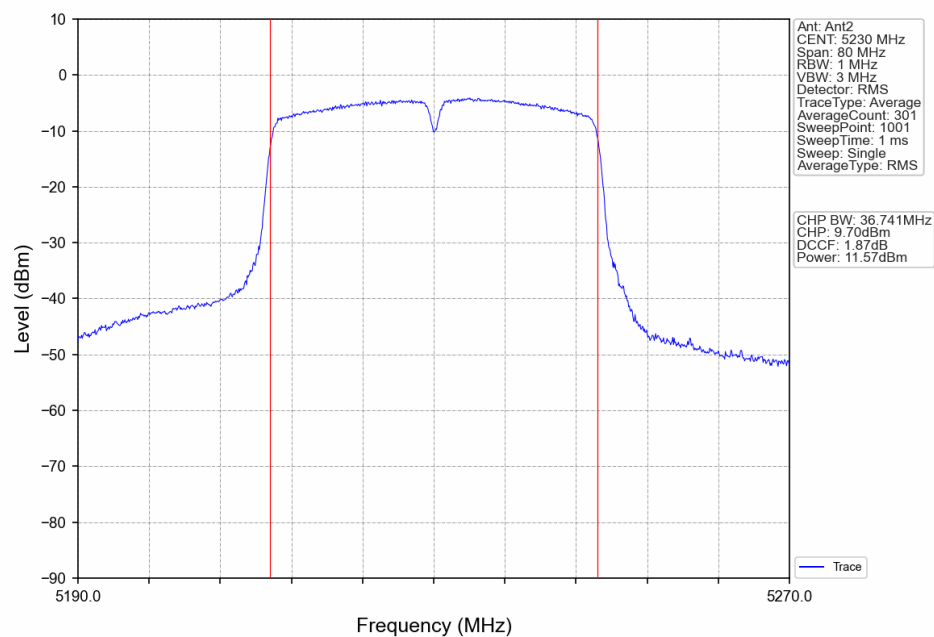
802.11ac(VHT40) LCH 5190MHz Ant2 NTN



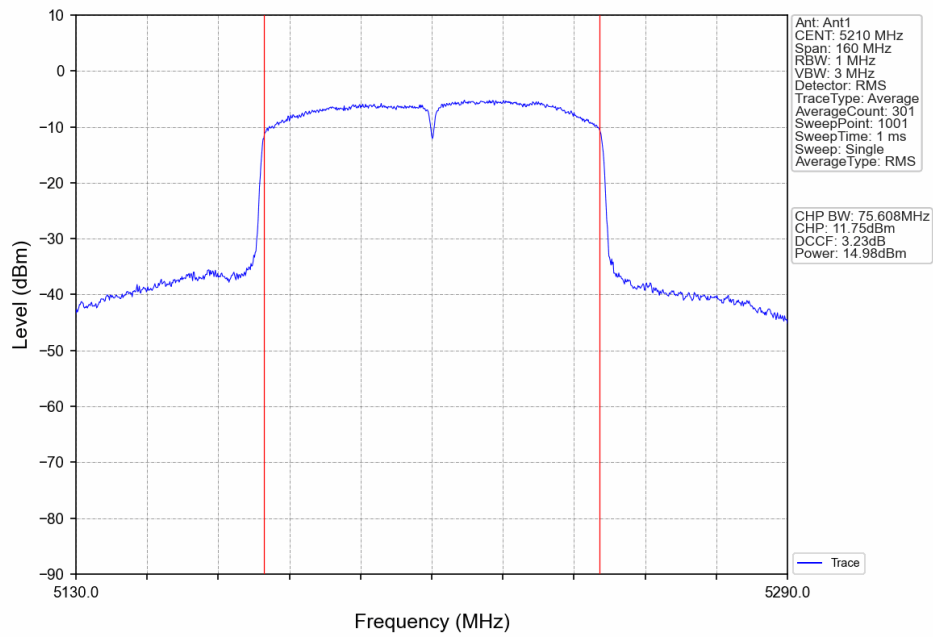
802.11ac(VHT40) HCH 5230MHz Ant1 NTN



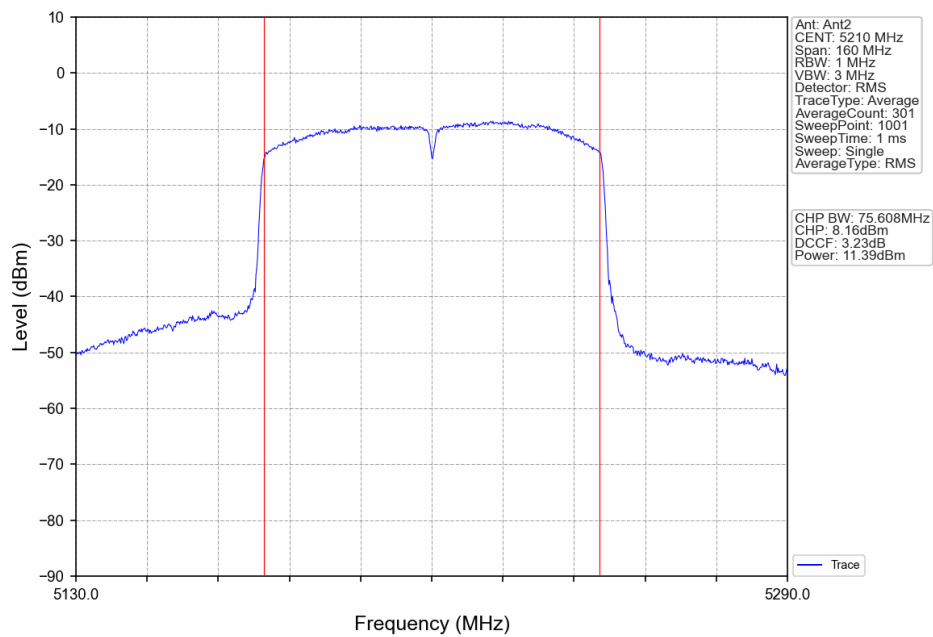
802.11ac(VHT40) HCH 5230MHz Ant2 NTN



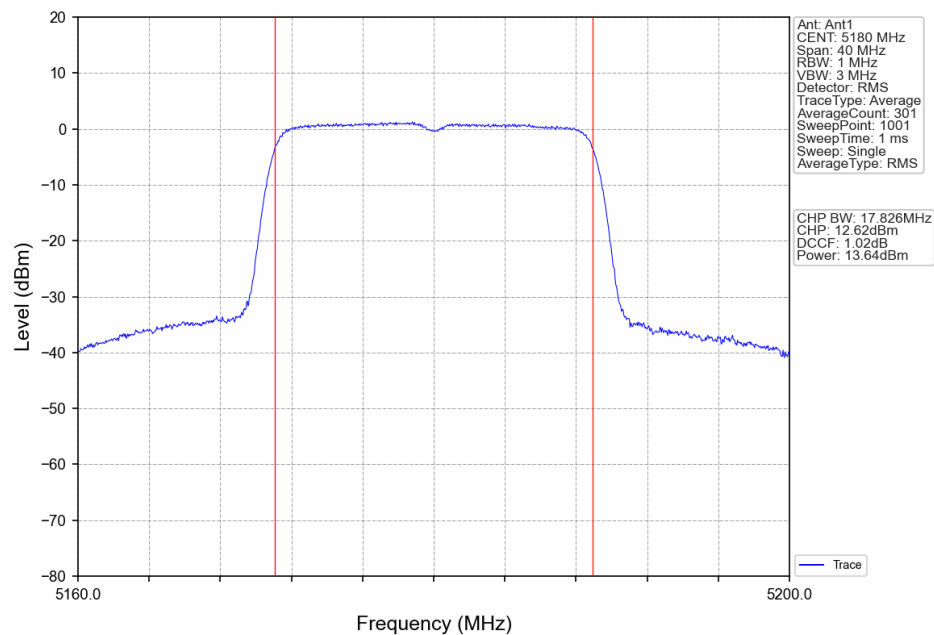
802.11ac(VHT80) MCH 5210MHz Ant1 NTN



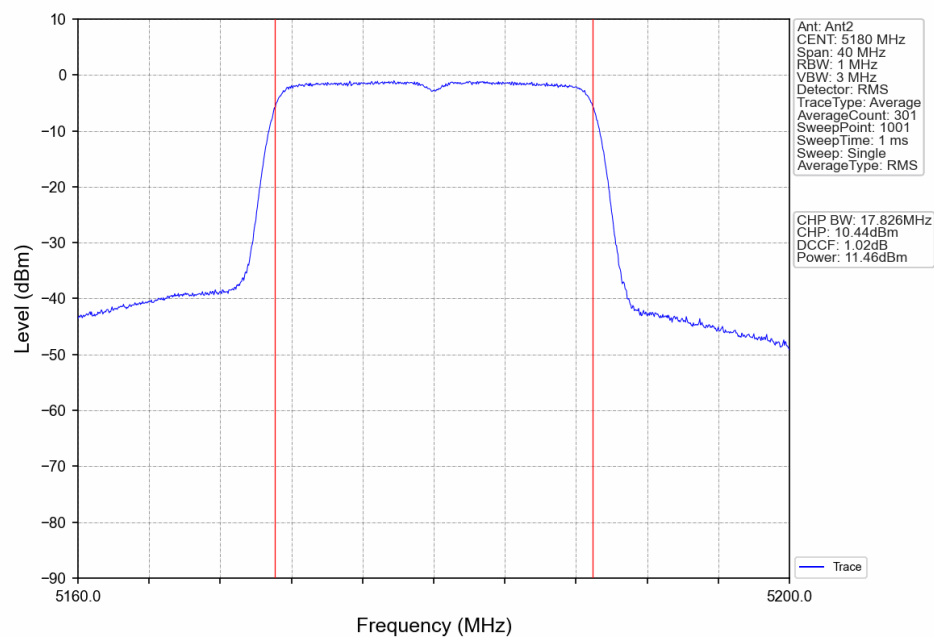
802.11ac(VHT80) MCH 5210MHz Ant2 NTN



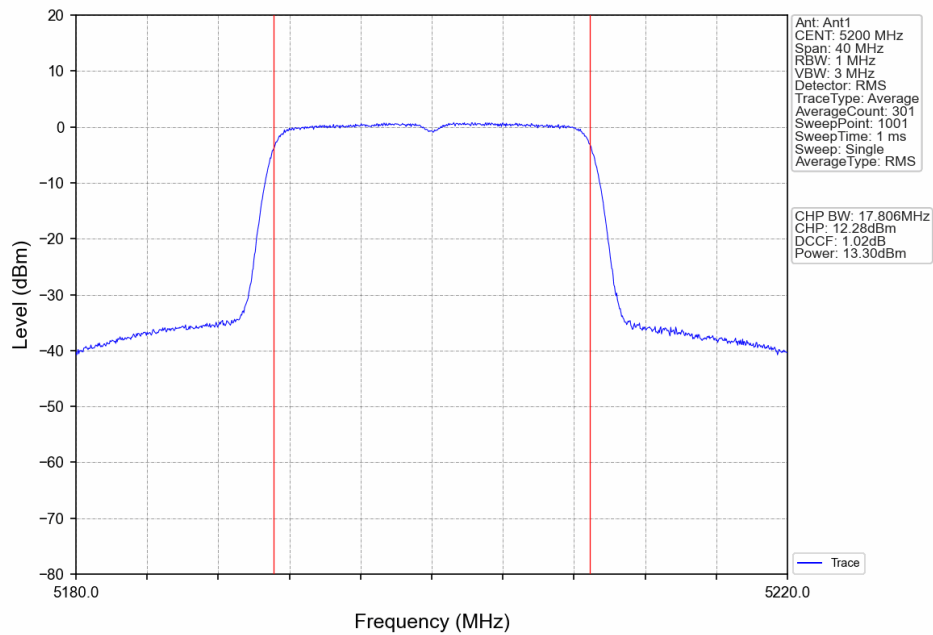
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



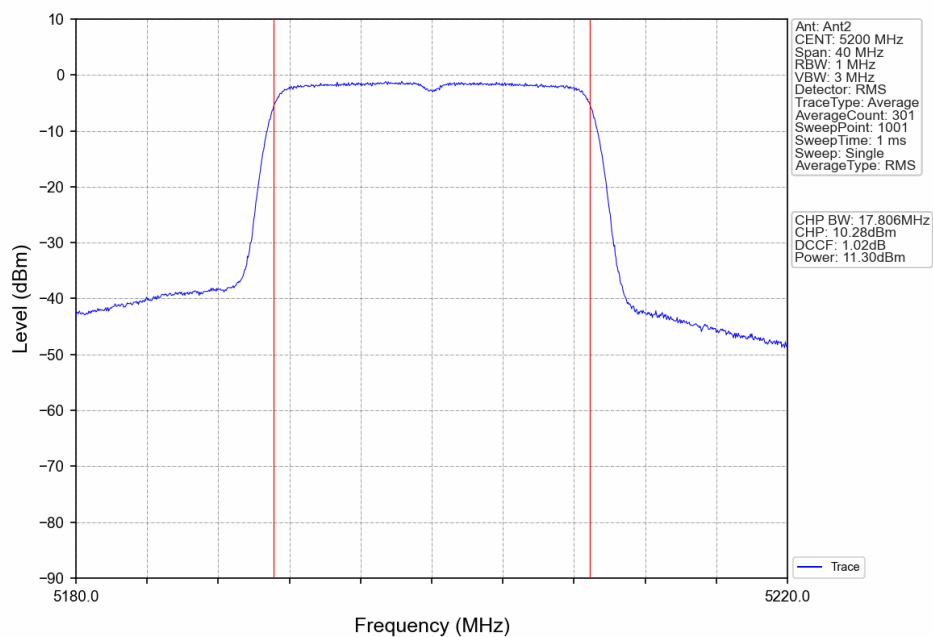
802.11ac(VHT20) LCH 5180MHz Ant2 NTN



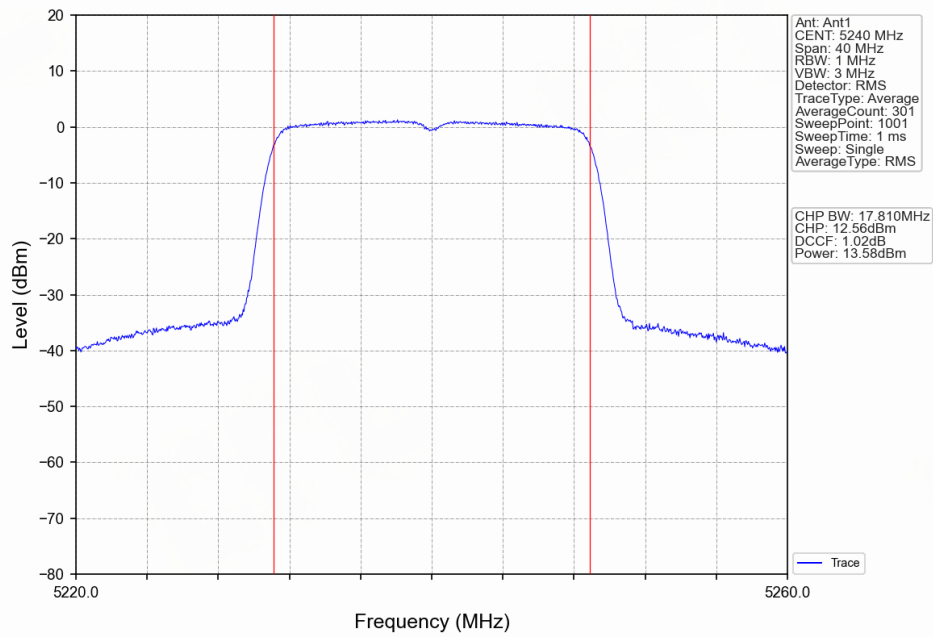
802.11ac(VHT20) MCH 5200MHz Ant1 NTN



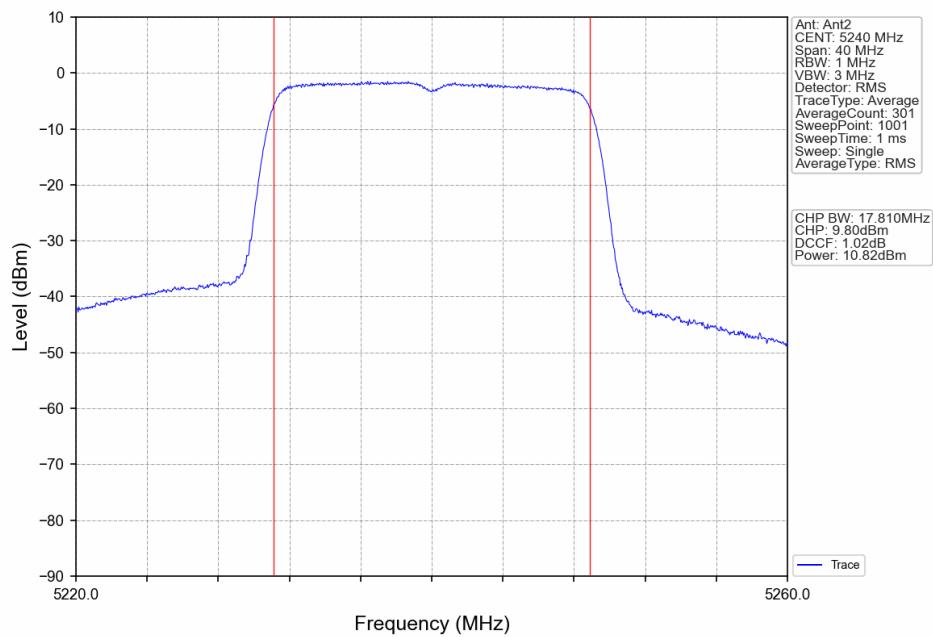
802.11ac(VHT20) MCH 5200MHz Ant2 NTN



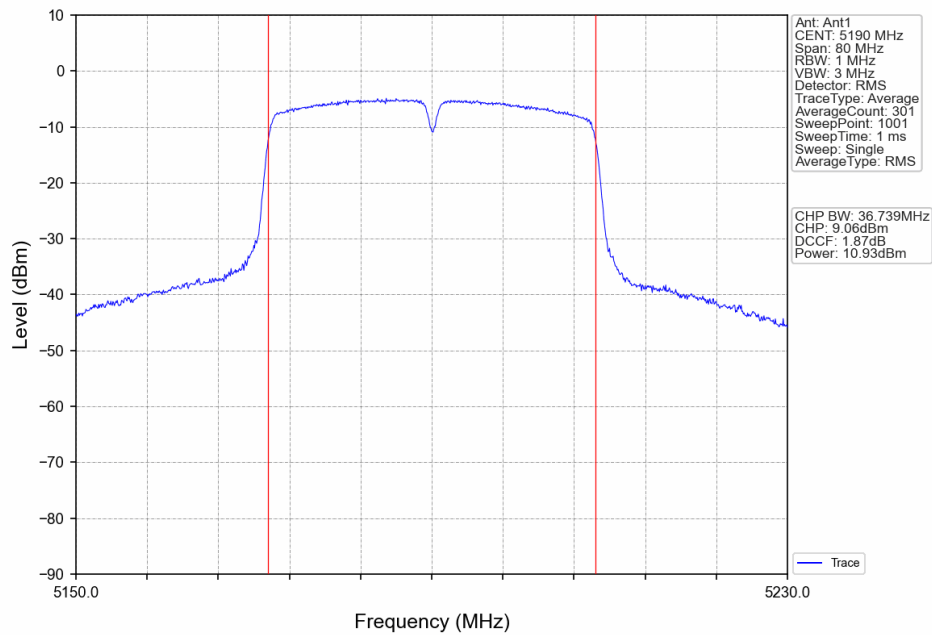
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



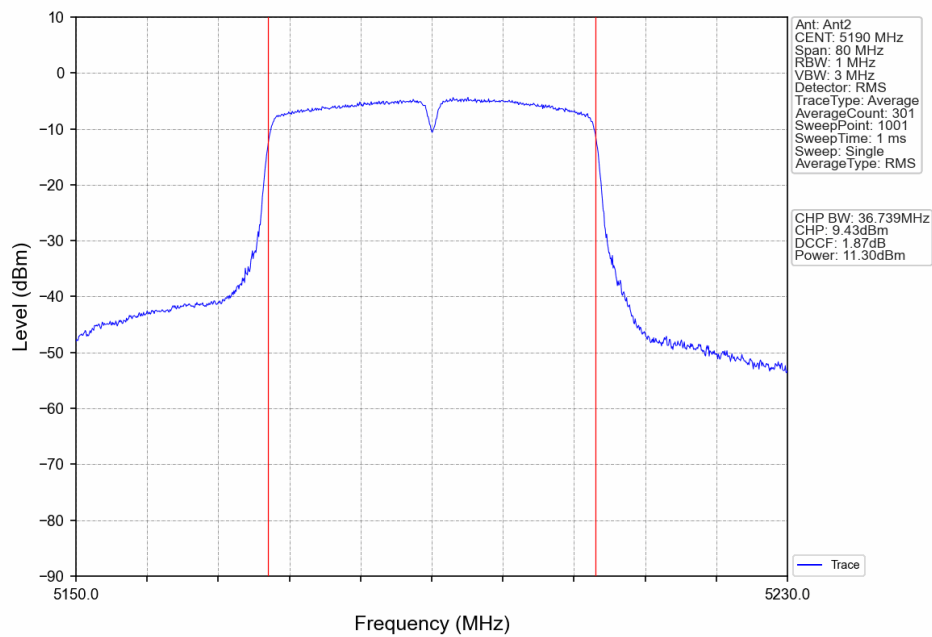
802.11ac(VHT20) HCH 5240MHz Ant2 NTN



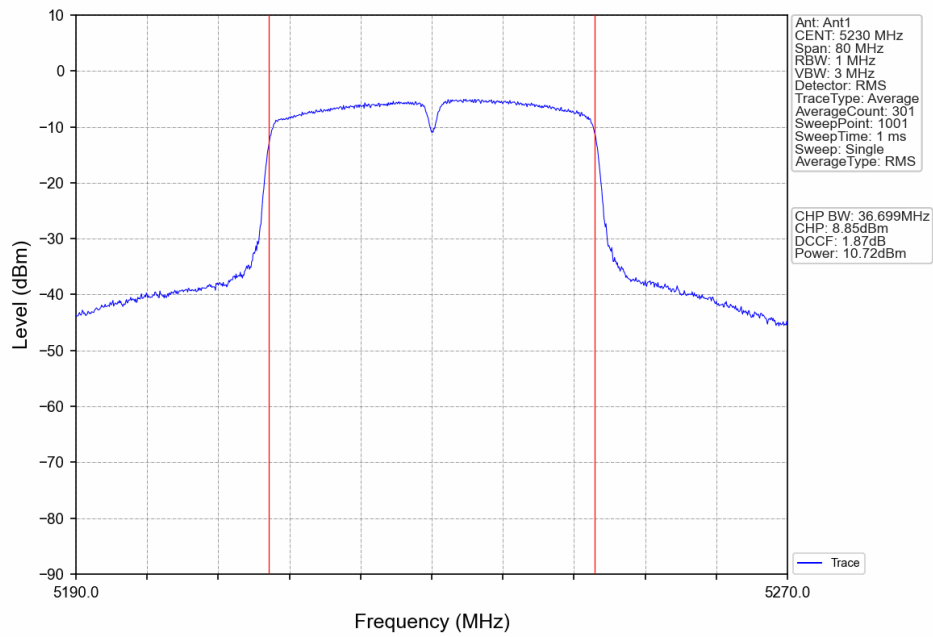
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



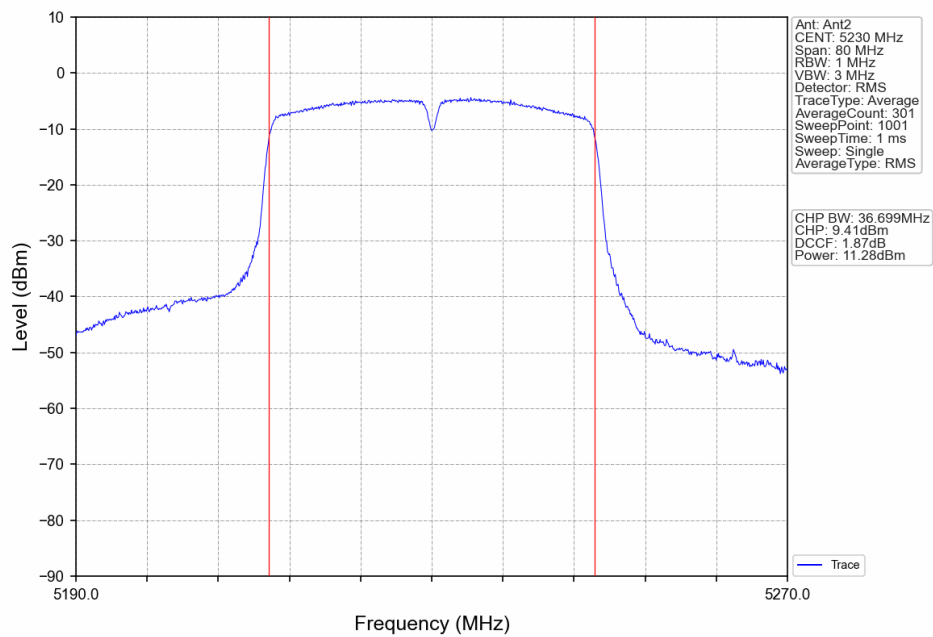
802.11ac(VHT40) LCH 5190MHz Ant2 NTN



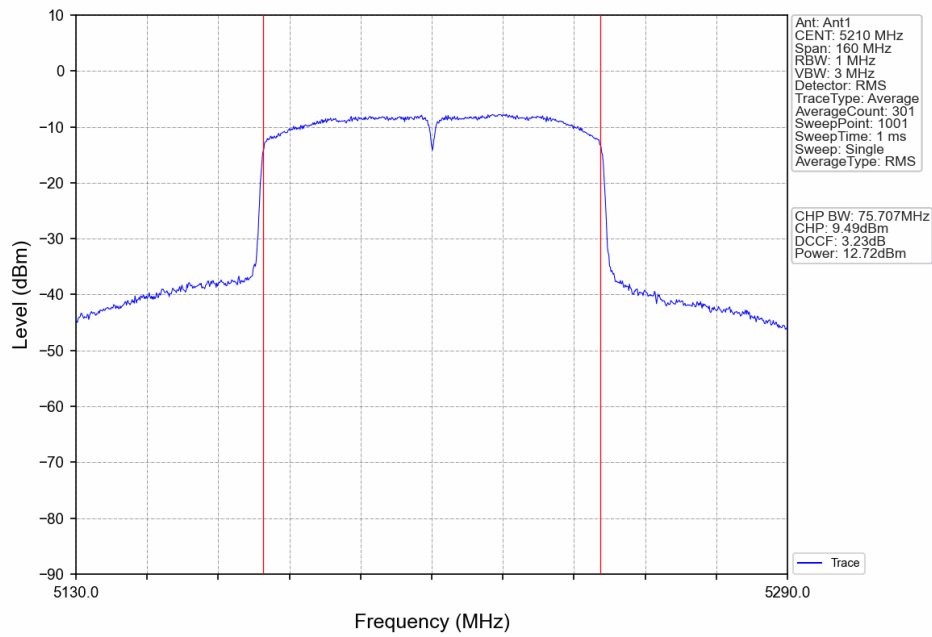
802.11ac(VHT40) HCH 5230MHz Ant1 NTN



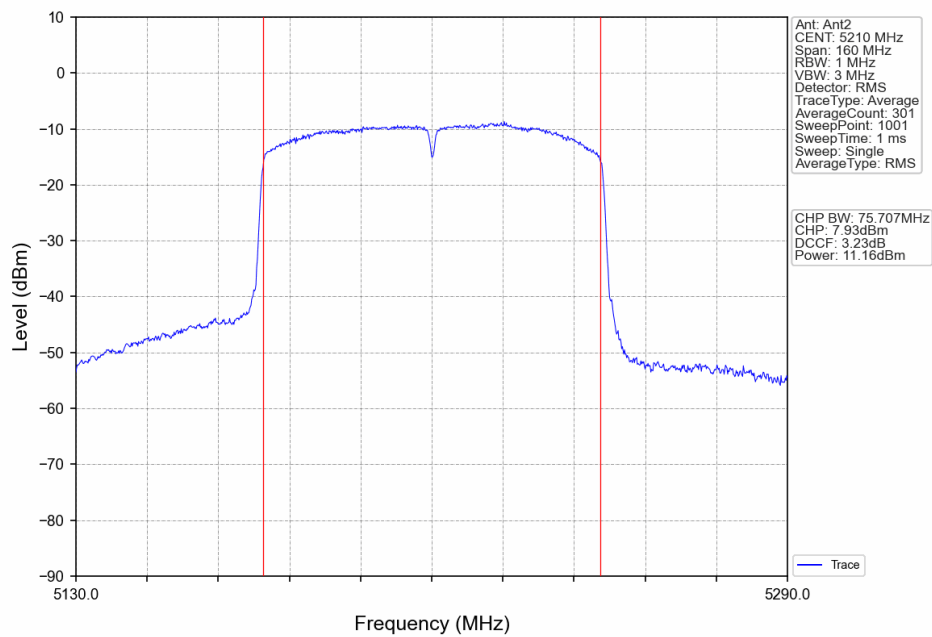
802.11ac(VHT40) HCH 5230MHz Ant2 NTN



802.11ac(VHT80) MCH 5210MHz Ant1 NTN



802.11ac(VHT80) MCH 5210MHz Ant2 NTN



3. Maximum Power Spectral Density

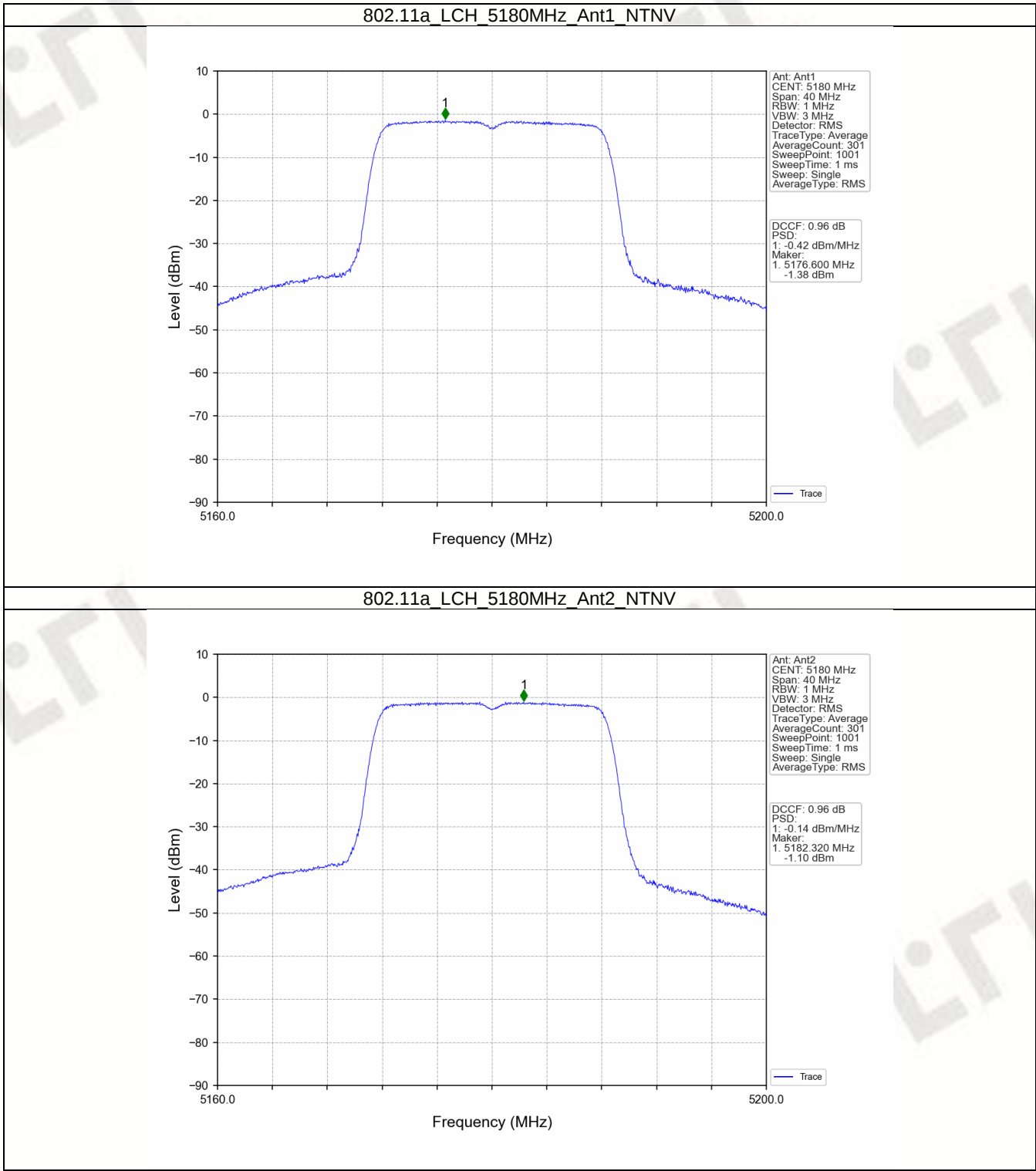
3.1 PSD

3.1.1 Test Result

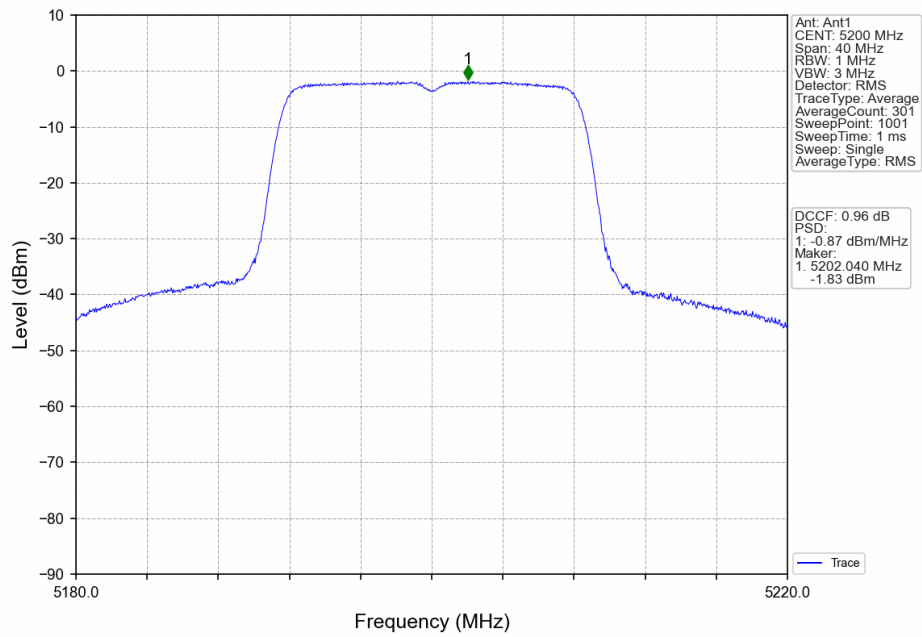
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	-0.42	-0.14	/	<=11	Pass
		5200	-0.87	-0.17	/	<=11	Pass
		5240	1.78	-0.51	/	<=11	Pass
802.11n (HT20)	SISO	5180	0.94	-0.36	/	<=11	Pass
		5200	0.03	-0.12	/	<=11	Pass
		5240	-1.59	-0.20	/	<=11	Pass
802.11n (HT40)	SISO	5190	-1.87	-3.03	/	<=11	Pass
		5230	-4.28	-2.66	/	<=11	Pass
802.11n (HT20)	MIMO	5180	0.80	-0.31	3.16	<=11	Pass
		5200	-0.04	-0.31	2.73	<=11	Pass
		5240	-1.45	-0.15	2.14	<=11	Pass
802.11n (HT40)	MIMO	5190	-2.09	-3.05	0.39	<=11	Pass
		5230	-3.52	-1.05	0.74	<=11	Pass
802.11ac (VHT20)	SISO	5180	0.71	-0.41	/	<=11	Pass
		5200	-0.16	-0.13	/	<=11	Pass
		5240	-1.46	-0.50	/	<=11	Pass
802.11ac (VHT40)	SISO	5190	-5.39	-2.84	/	<=11	Pass
		5230	-5.42	-2.56	/	<=11	Pass
802.11ac (VHT80)	SISO	5210	-2.21	-5.27	/	<=11	Pass
802.11ac (VHT20)	MIMO	5180	2.15	-0.29	4.09	<=11	Pass
		5200	2.10	-0.34	3.94	<=11	Pass
		5240	2.36	-0.47	4.08	<=11	Pass
802.11ac (VHT40)	MIMO	5190	-3.26	-2.78	-0.23	<=11	Pass
		5230	-3.27	-2.68	-0.06	<=11	Pass
802.11ac (VHT80)	MIMO	5210	-4.65	-5.41	-2.28	<=11	Pass

Note1: Antenna Gain: Ant1: 2.50dBi; Ant2: 2.50dBi;
Note2: Directional Gain: Band1: 5.5dBi

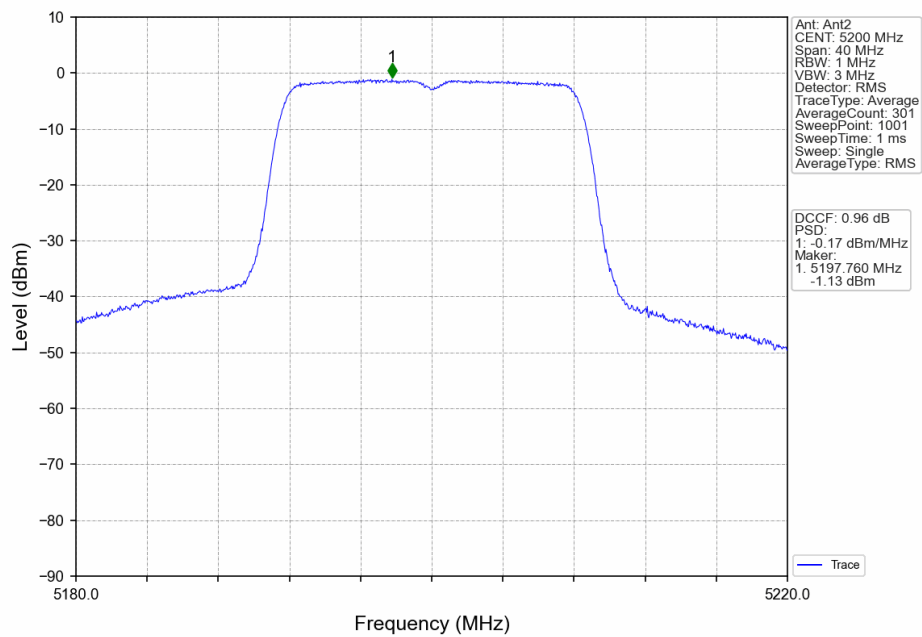
3.1.2 Test Graph



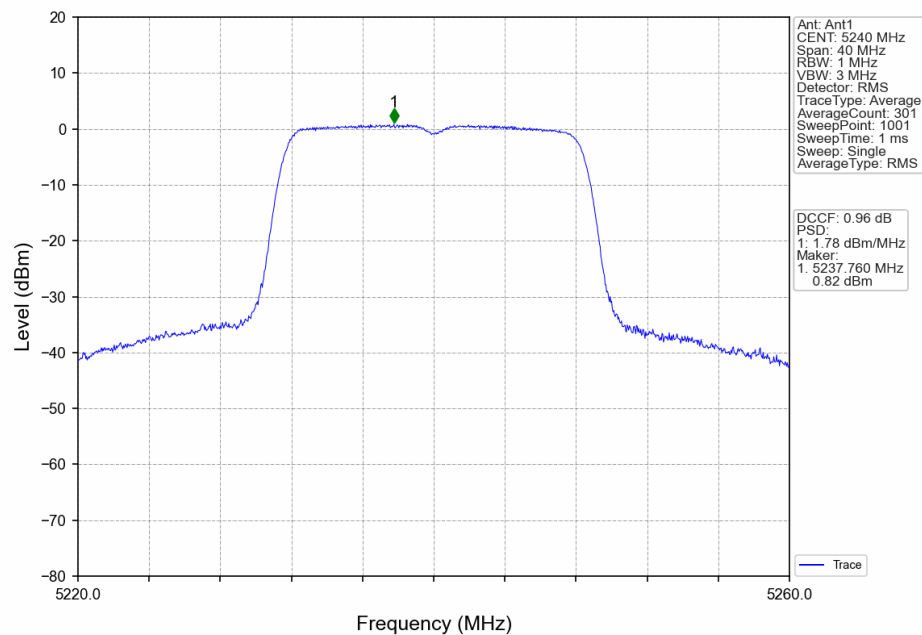
802.11a MCH 5200MHz Ant1 NTNV



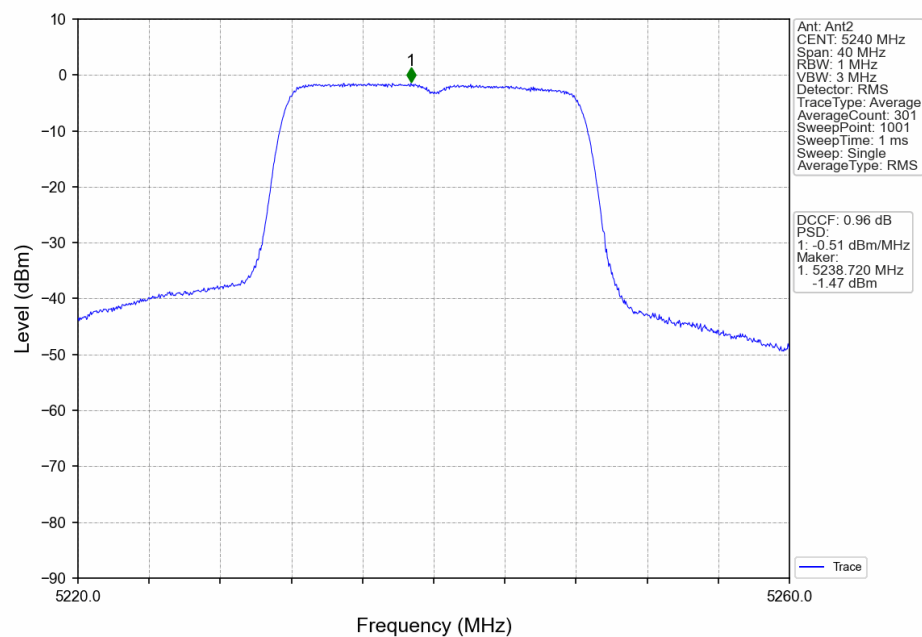
802.11a MCH 5200MHz Ant2 NTNV



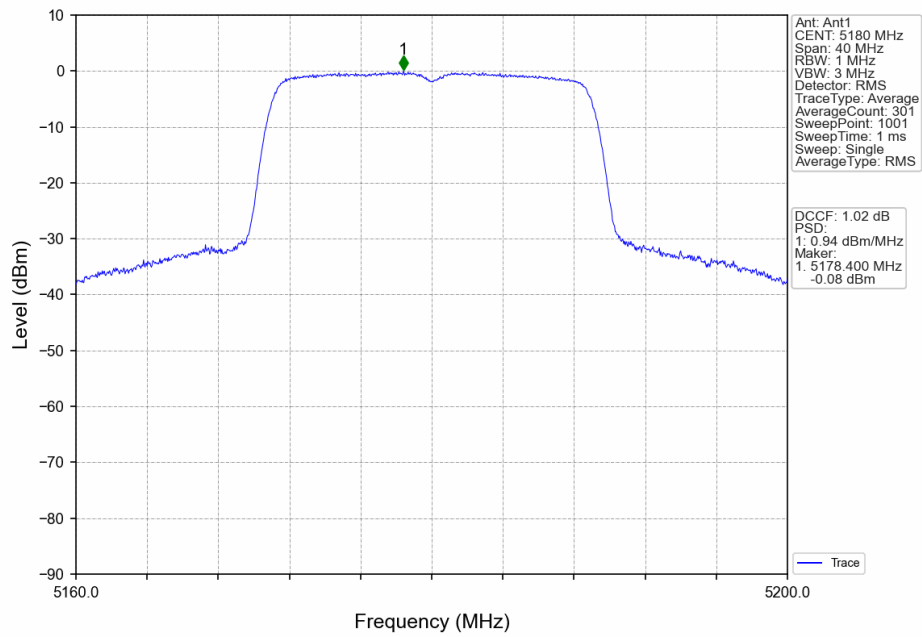
802.11a HCH 5240MHz Ant1 NTN



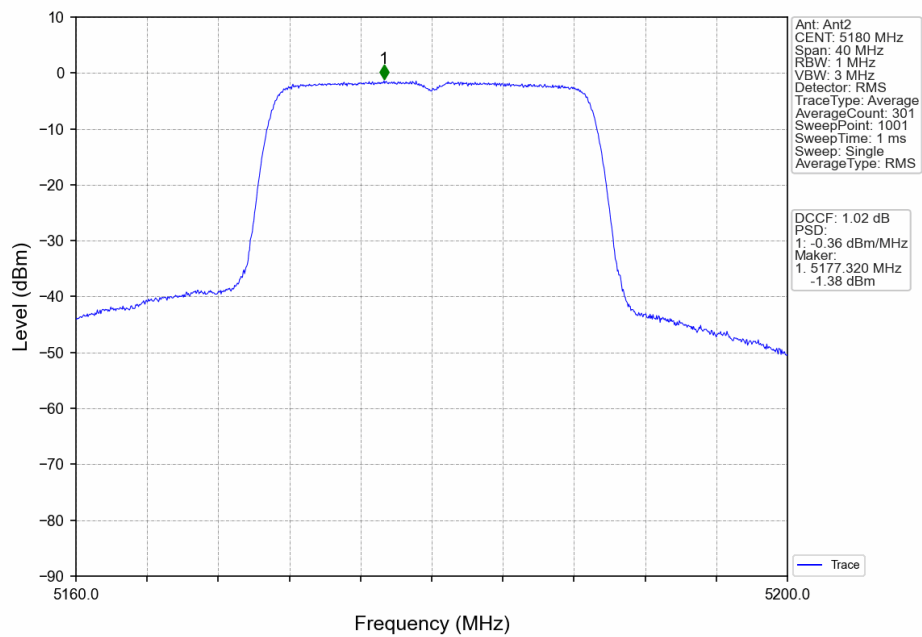
802.11a HCH 5240MHz Ant2 NTN



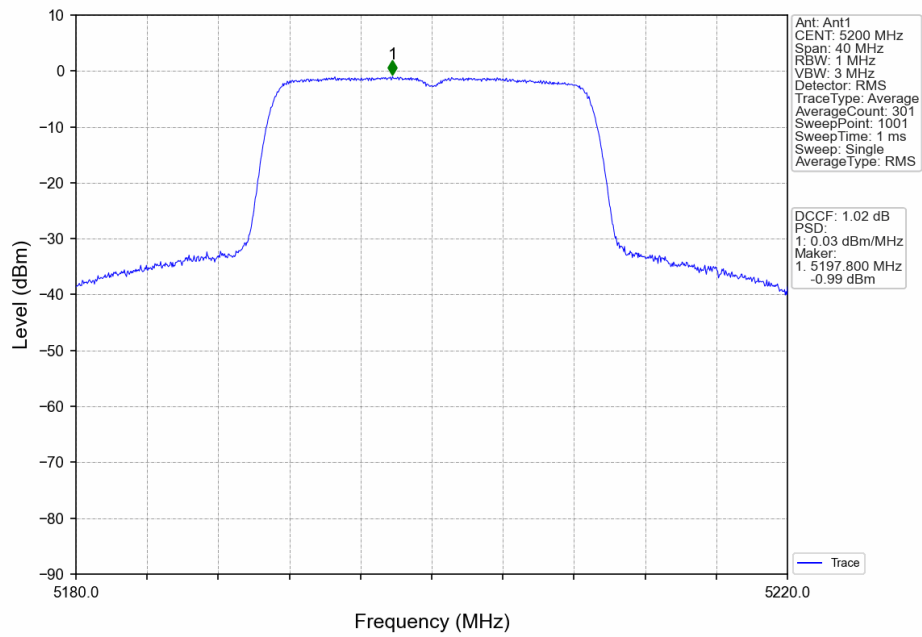
802.11n(HT20) LCH 5180MHz Ant1 NTV



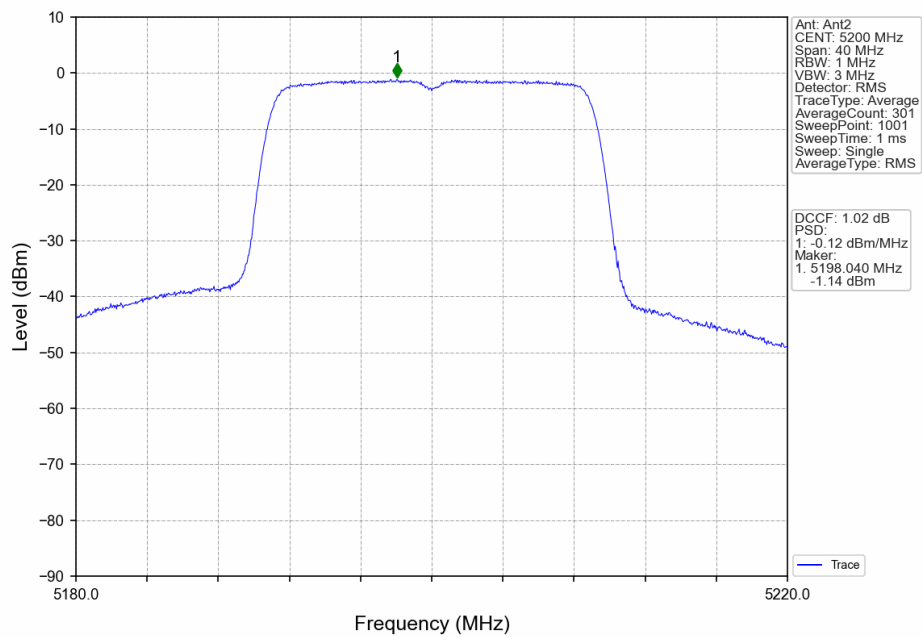
802.11n(HT20) LCH 5180MHz Ant2 NTV



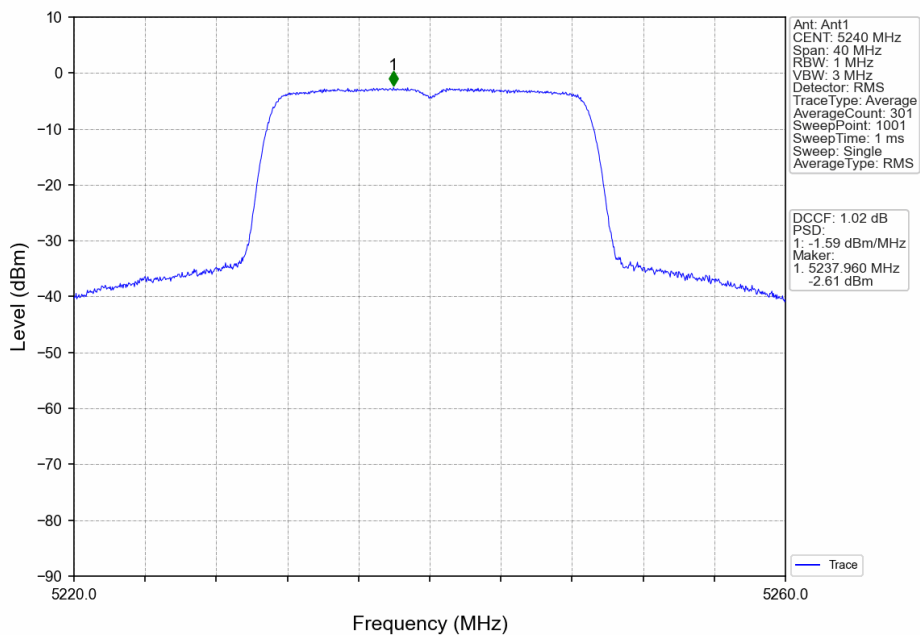
802.11n(HT20) MCH 5200MHz Ant1 NTNV



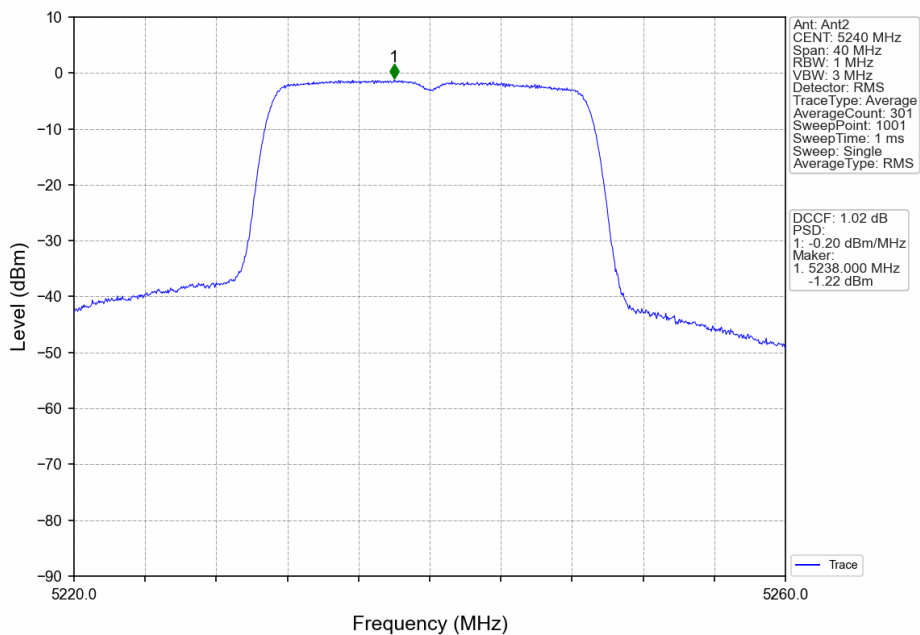
802.11n(HT20) MCH 5200MHz Ant2 NTNV



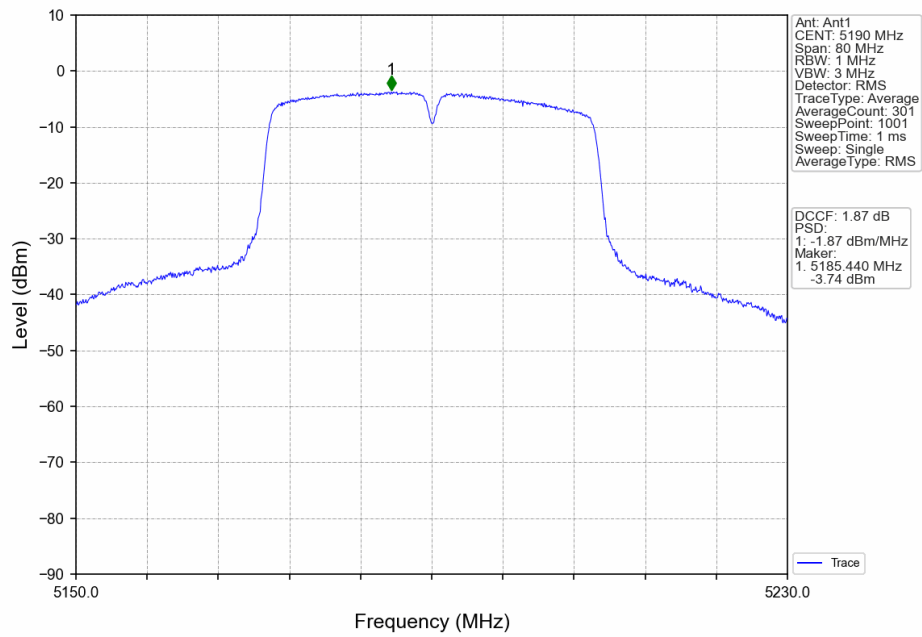
802.11n(HT20) HCH 5240MHz Ant1 NTV



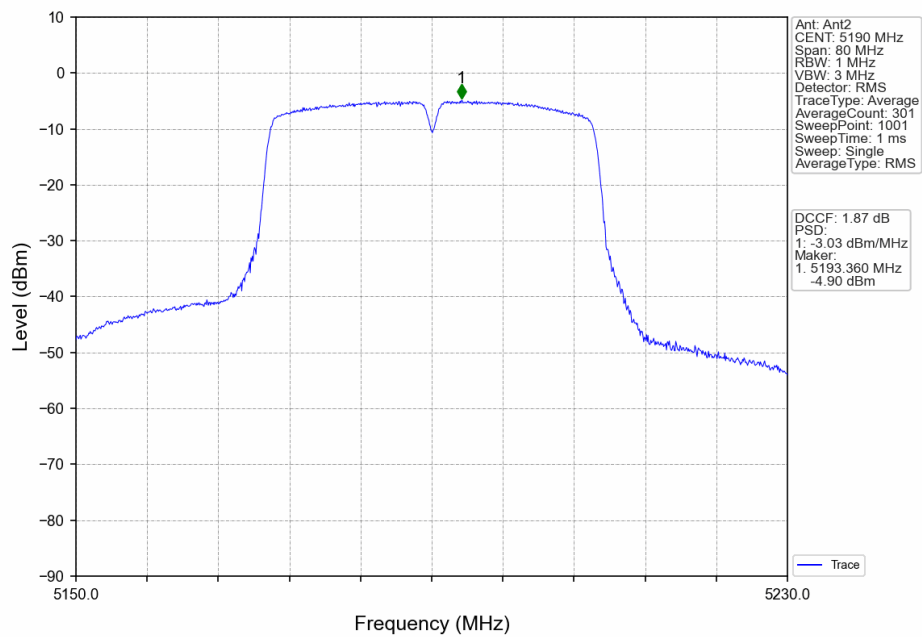
802.11n(HT20) HCH 5240MHz Ant2 NTV



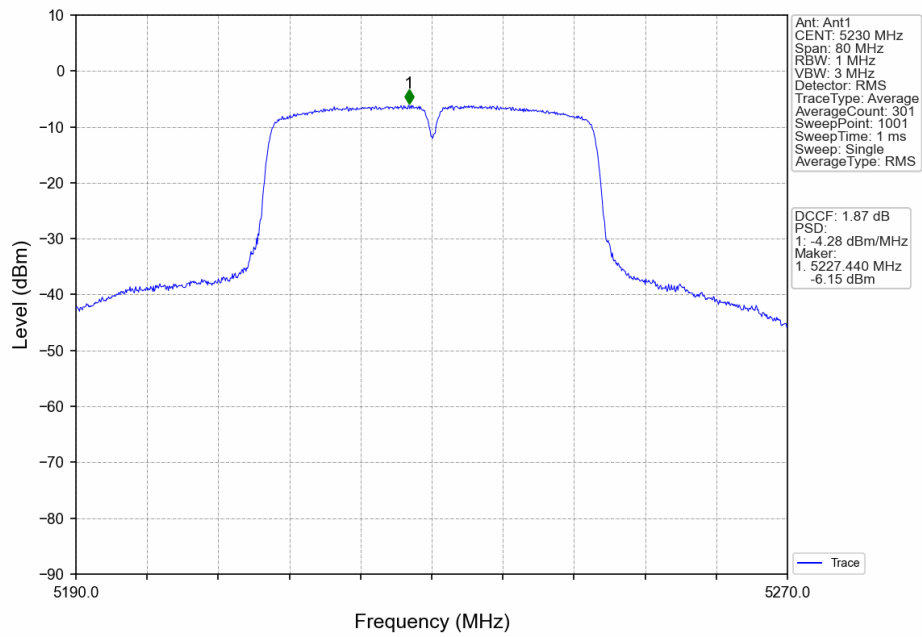
802.11n(HT40) LCH 5190MHz Ant1 NTV



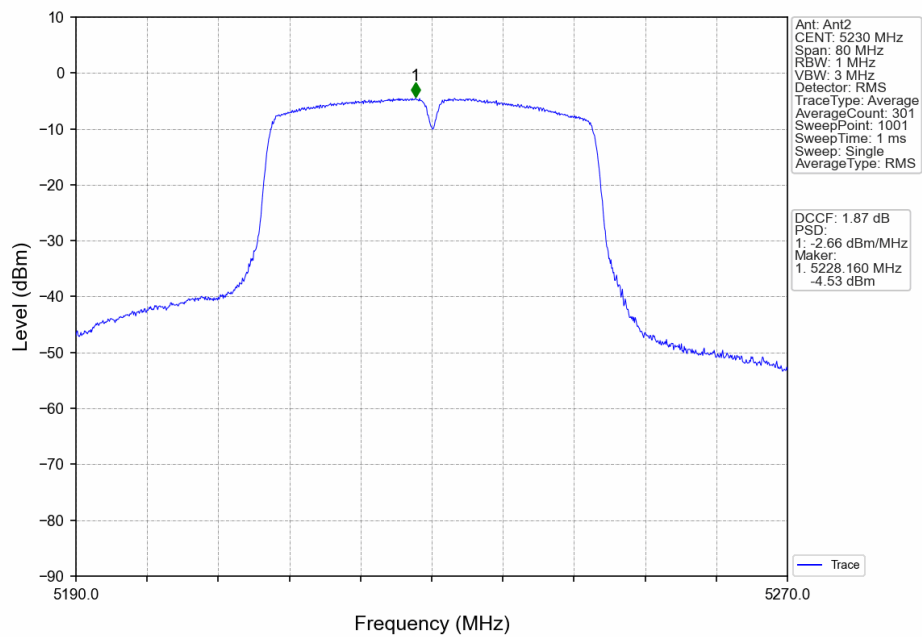
802.11n(HT40) LCH 5190MHz Ant2 NTV



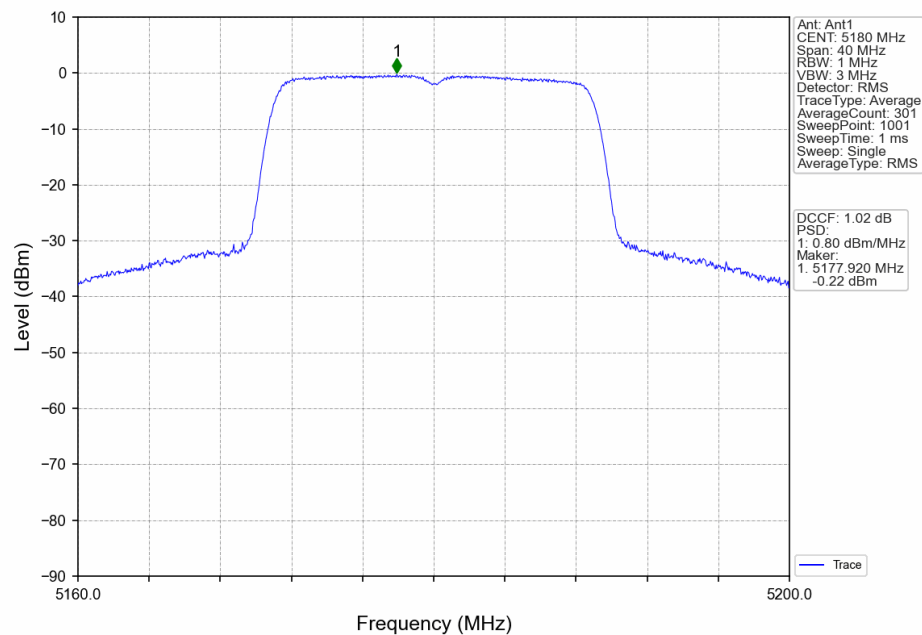
802.11n(HT40) HCH 5230MHz Ant1 NTV



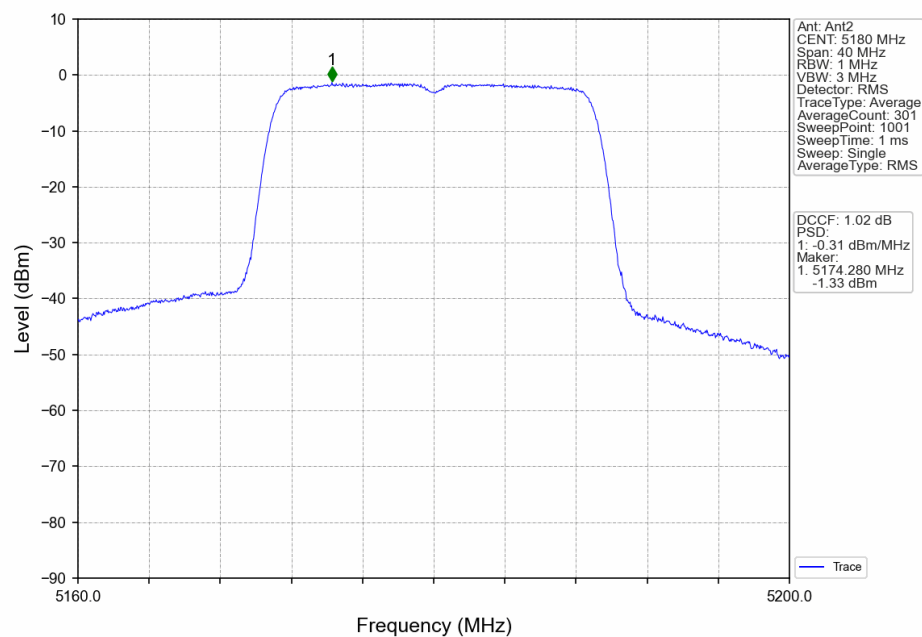
802.11n(HT40) HCH 5230MHz Ant2 NTV



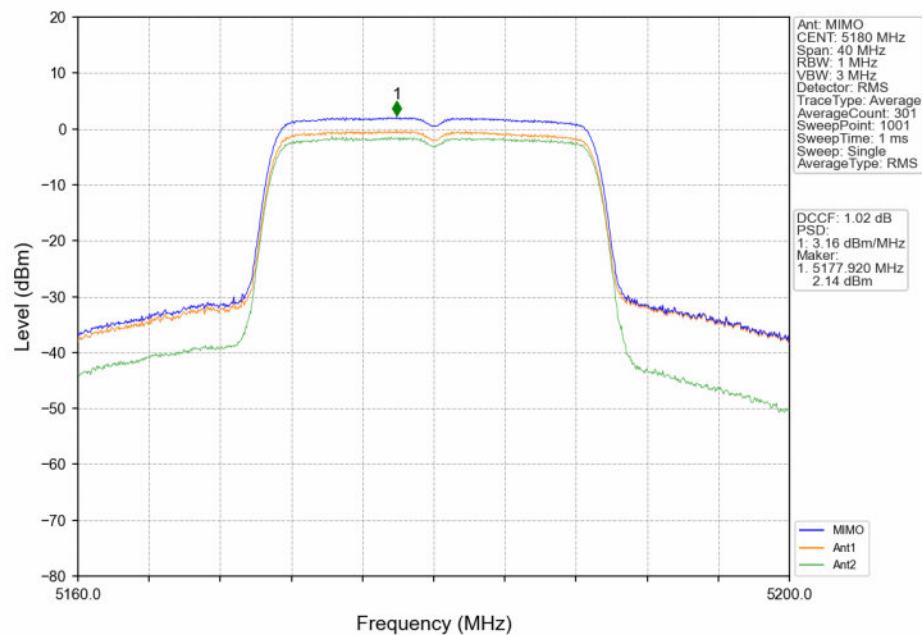
802.11n(HT20) LCH 5180MHz Ant1 NTV



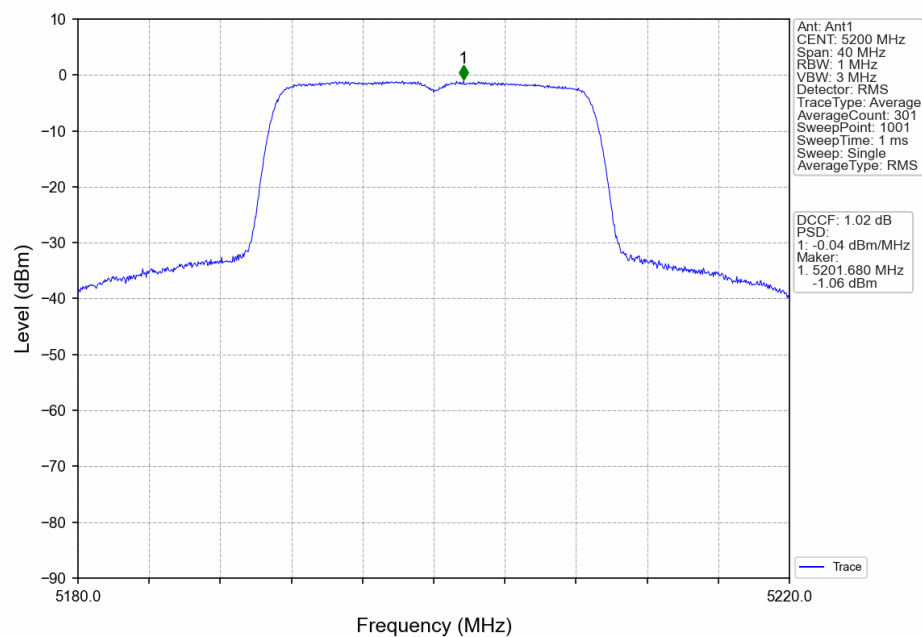
802.11n(HT20) LCH 5180MHz Ant2 NTV



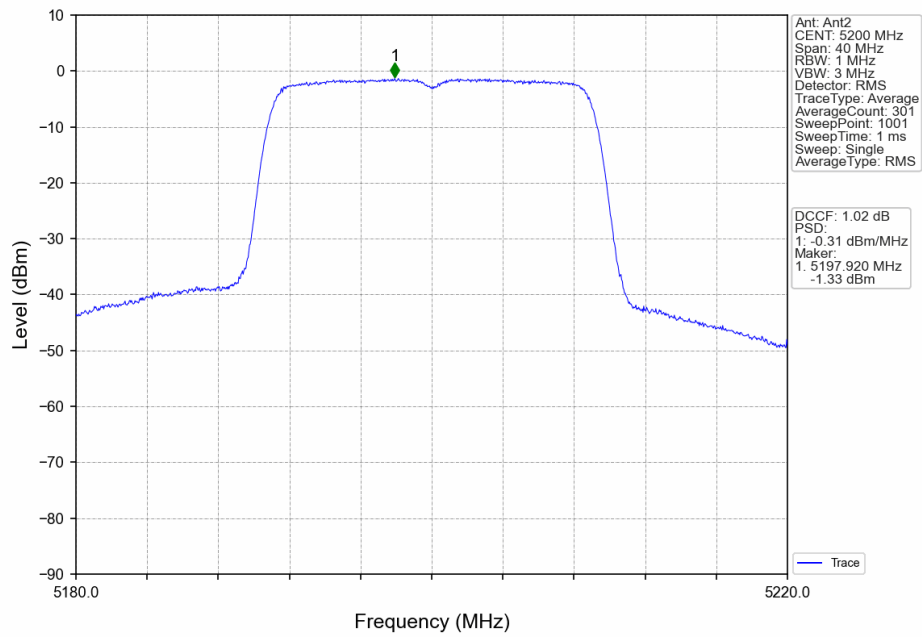
802.11n(HT20) LCH 5180MHz MIMO NTN



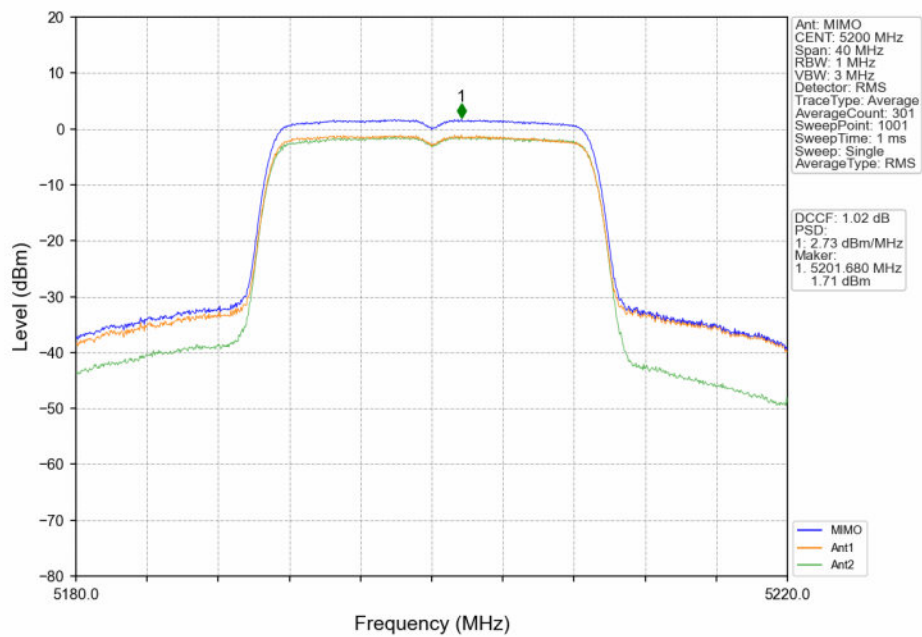
802.11n(HT20) MCH 5200MHz Ant1 NTN



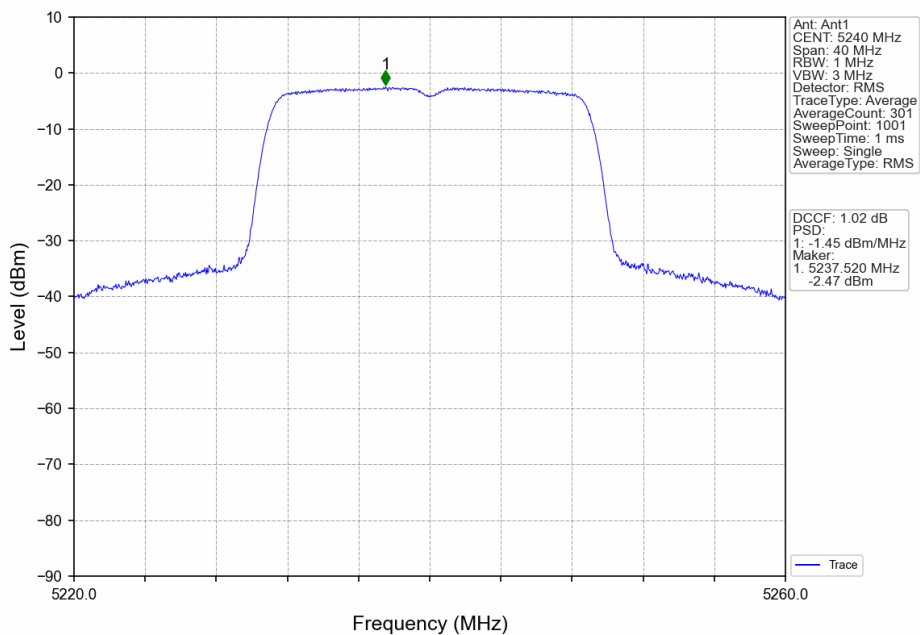
802.11n(HT20) MCH 5200MHz Ant2 NTN



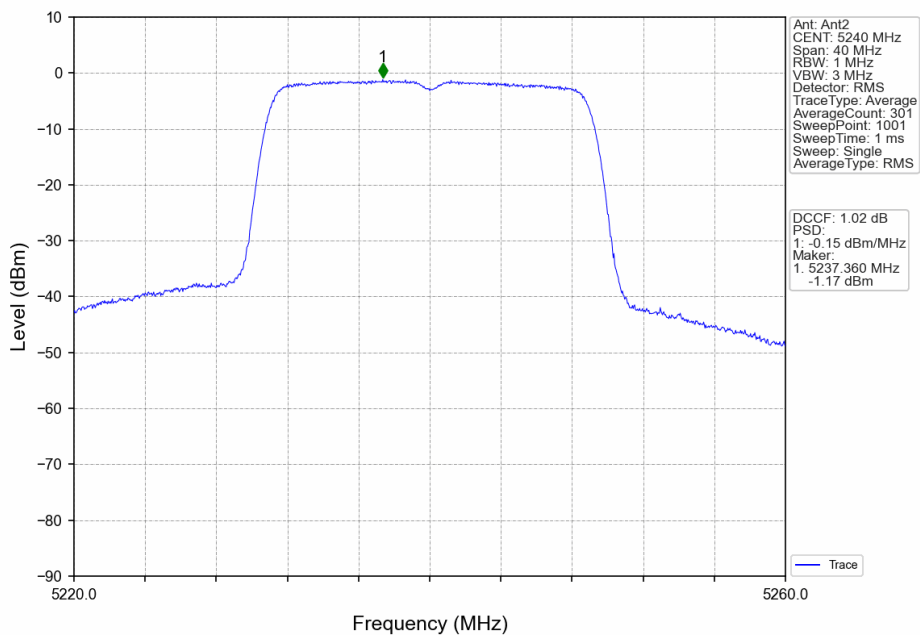
802.11n(HT20) MCH 5200MHz MIMO NTN



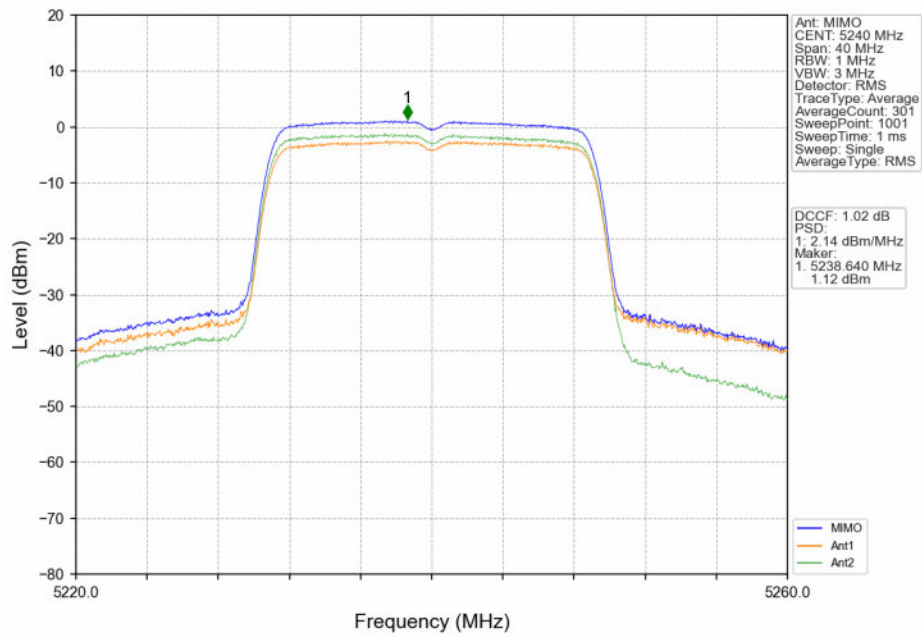
802.11n(HT20) HCH 5240MHz Ant1 NTV



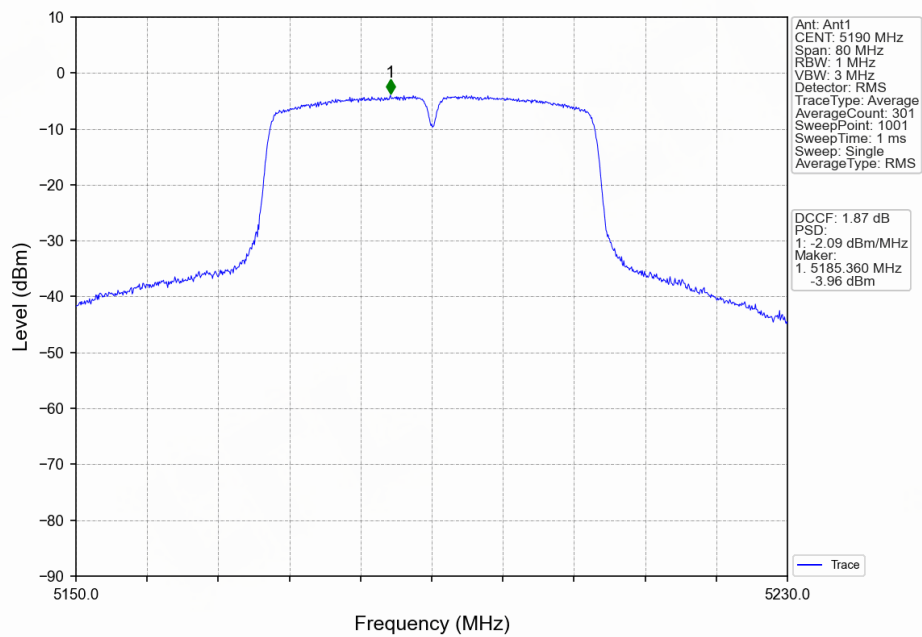
802.11n(HT20) HCH 5240MHz Ant2 NTV



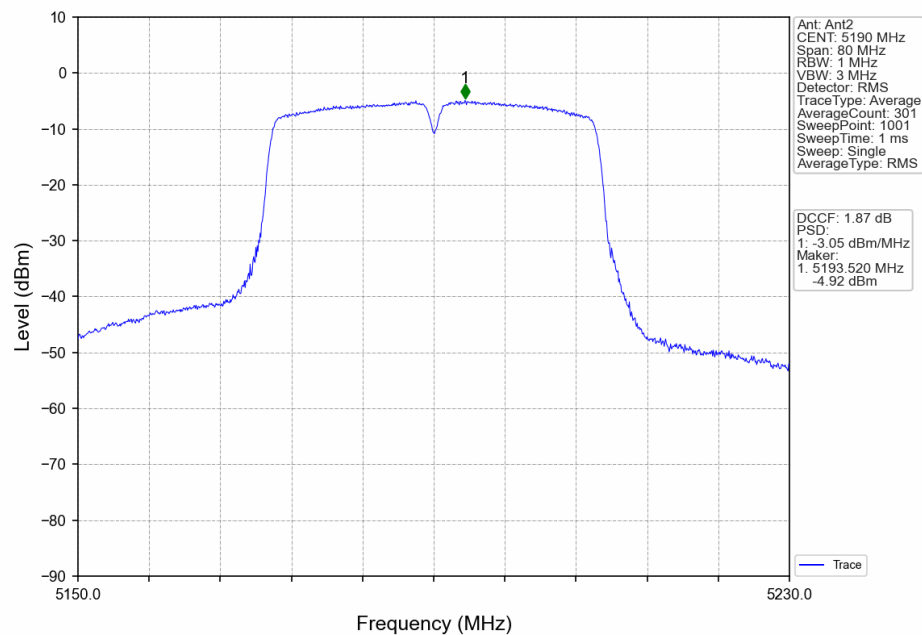
802.11n(HT20) HCH 5240MHz MIMO NTN



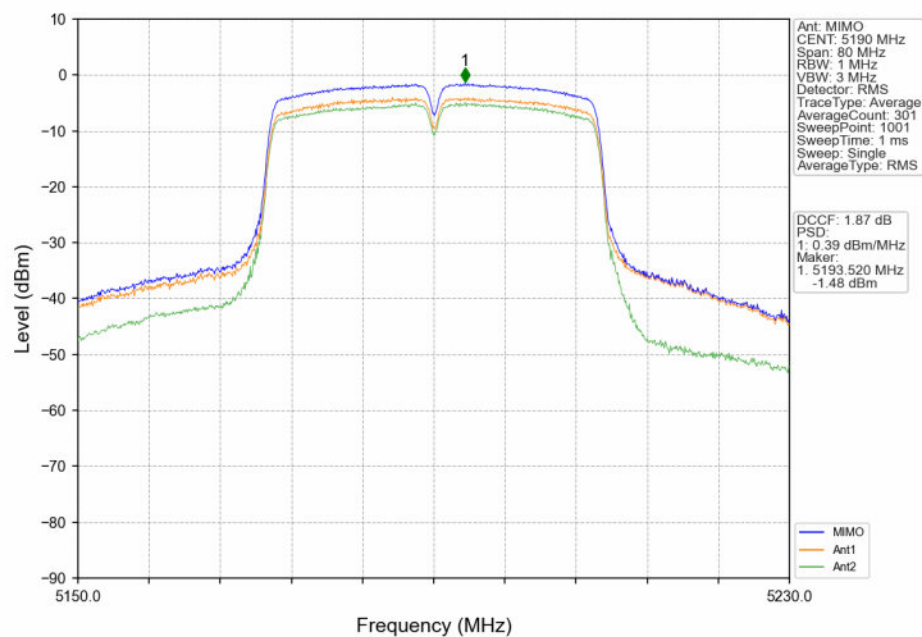
802.11n(HT40) LCH 5190MHz Ant1 NTN



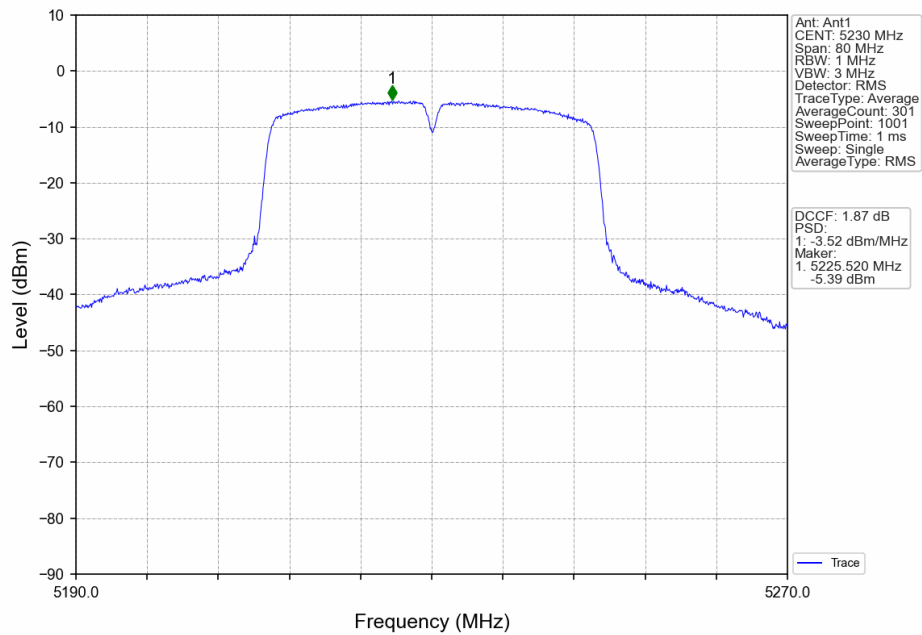
802.11n(HT40) LCH 5190MHz Ant2 NTN



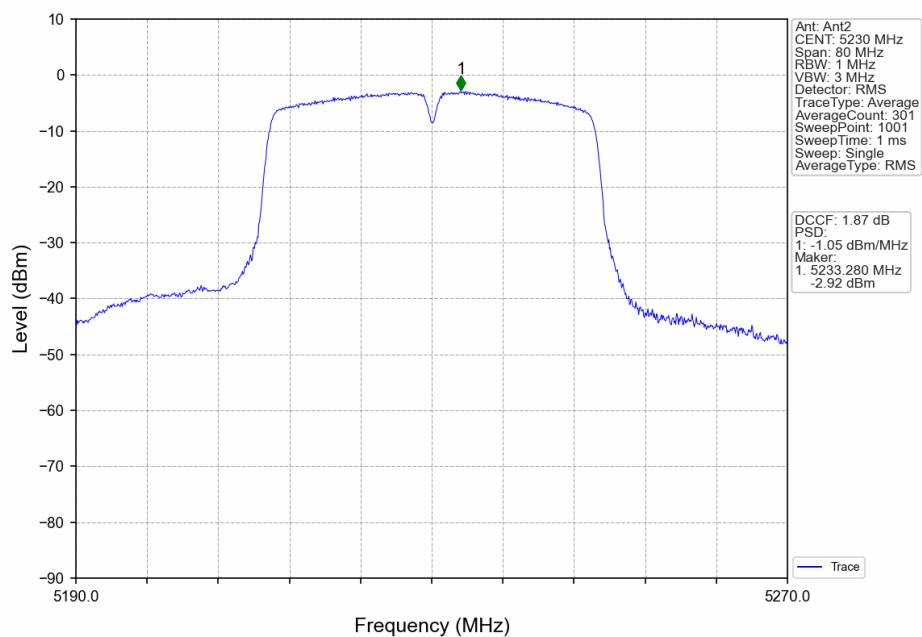
802.11n(HT40) LCH 5190MHz MIMO NTN



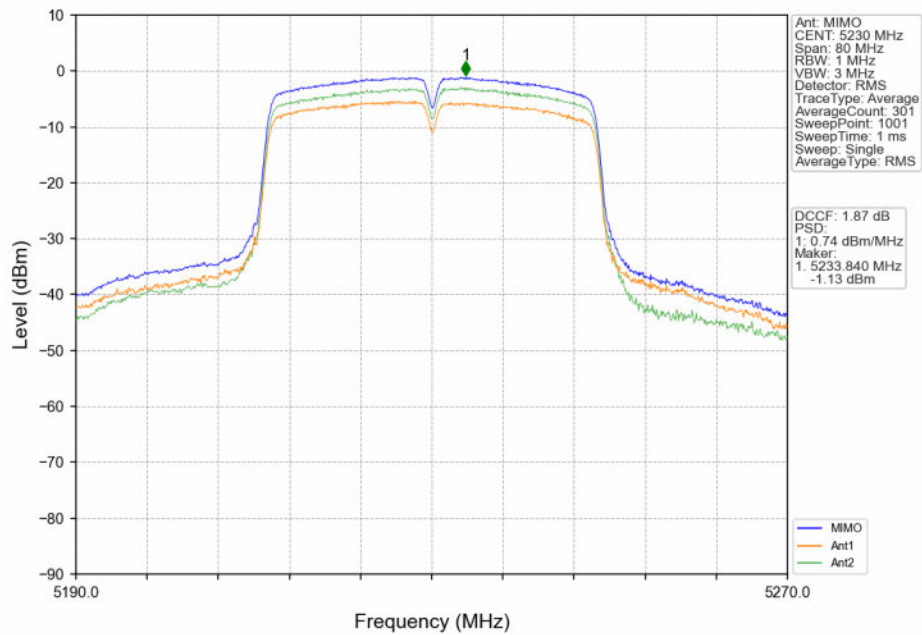
802.11n(HT40) HCH 5230MHz Ant1 NTV



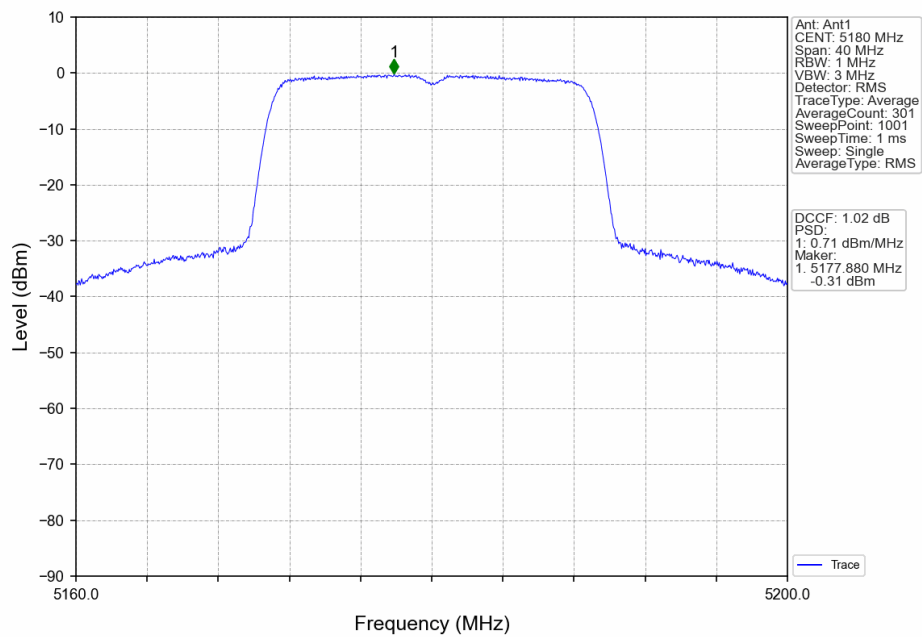
802.11n(HT40) HCH 5230MHz Ant2 NTV



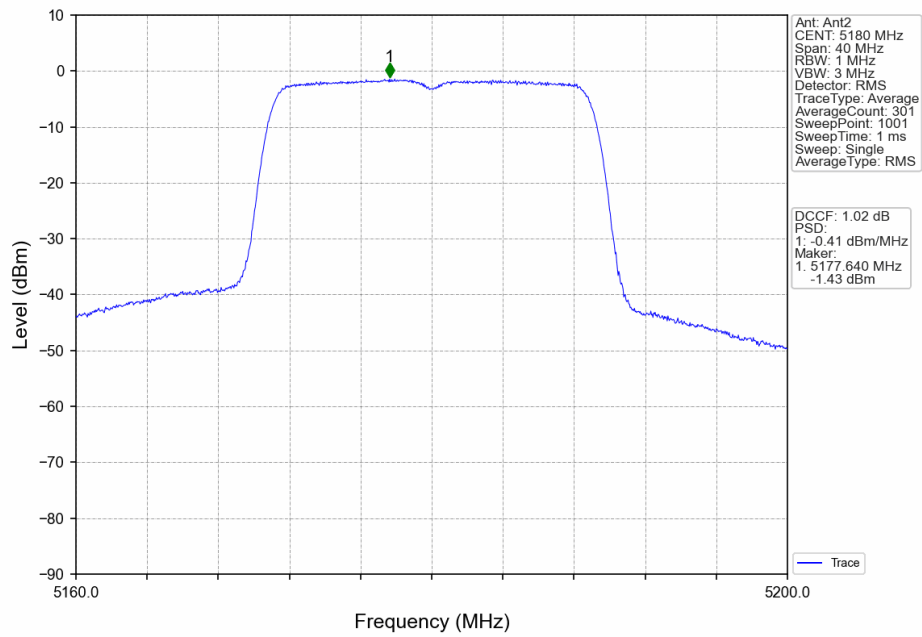
802.11n(HT40) HCH 5230MHz MIMO NTN



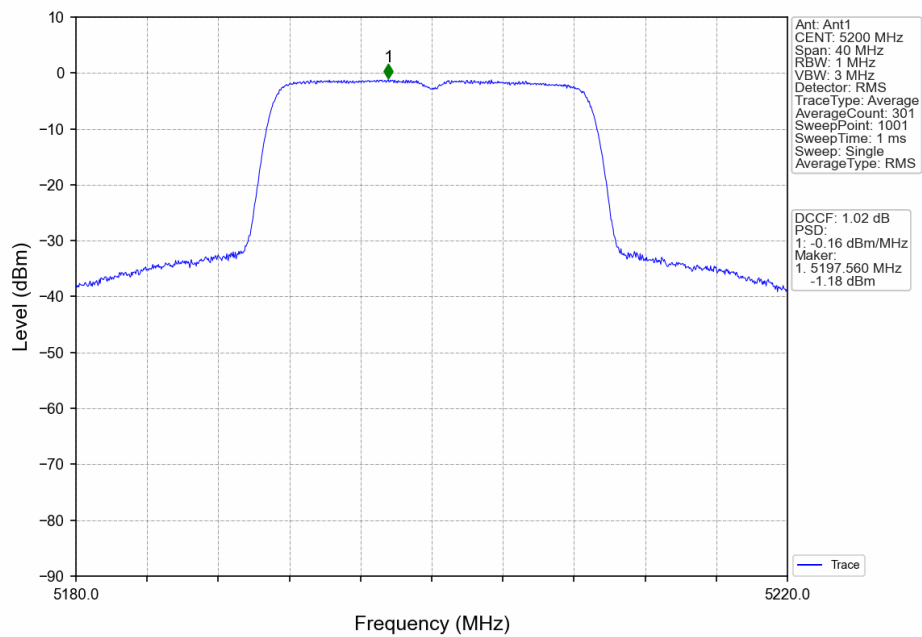
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



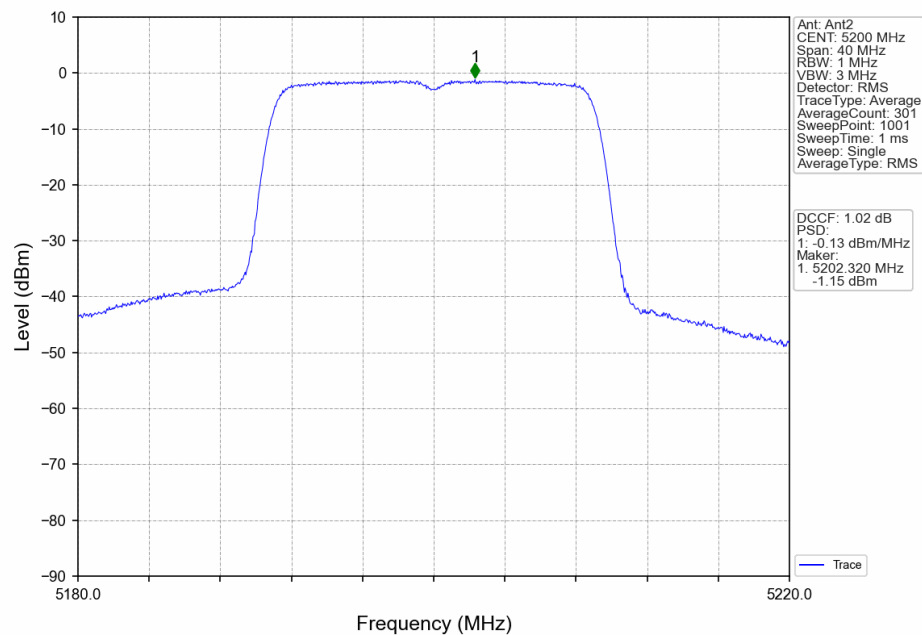
802.11ac(VHT20) LCH 5180MHz Ant2 NTN



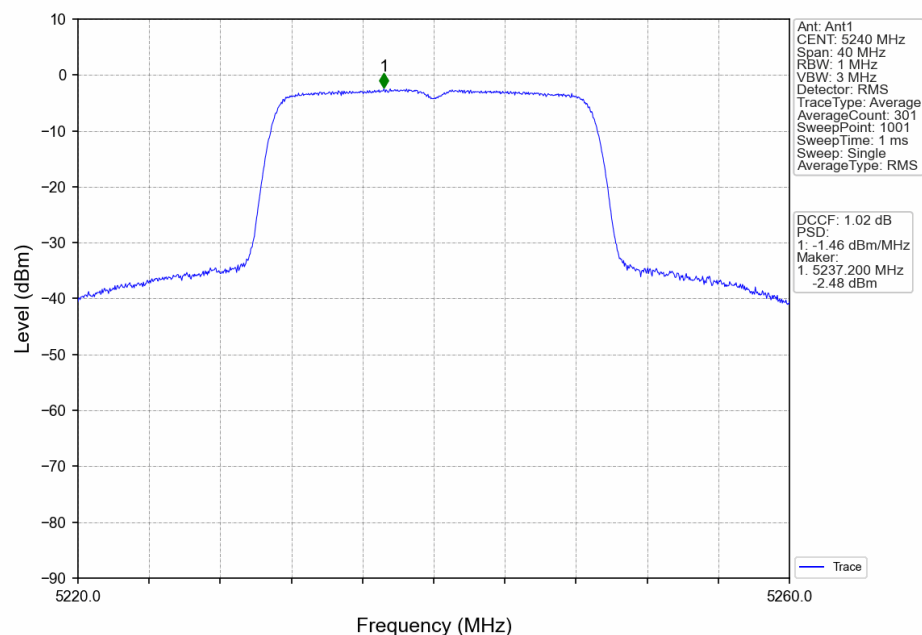
802.11ac(VHT20) MCH 5200MHz Ant1 NTN



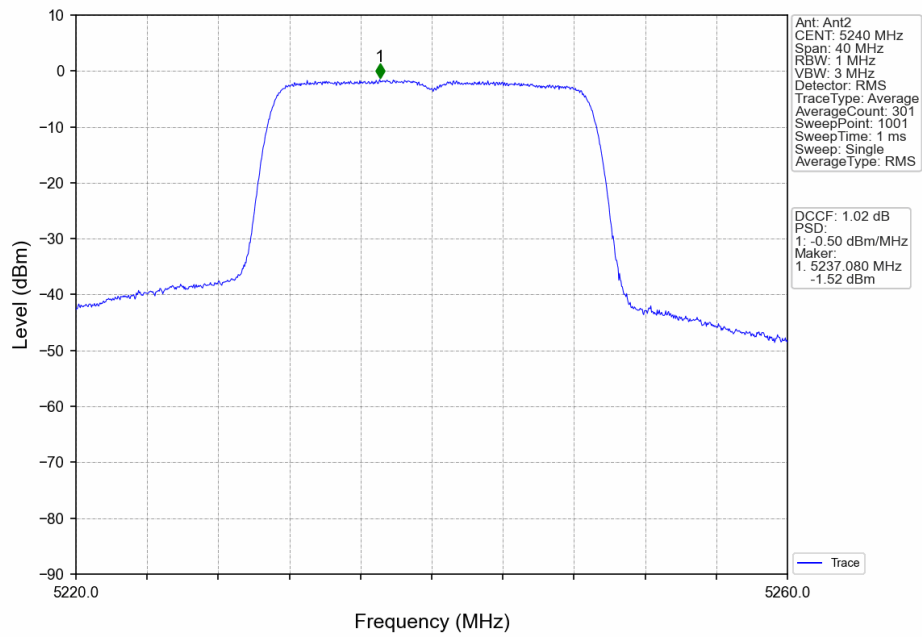
802.11ac(VHT20) MCH 5200MHz Ant2 NTN



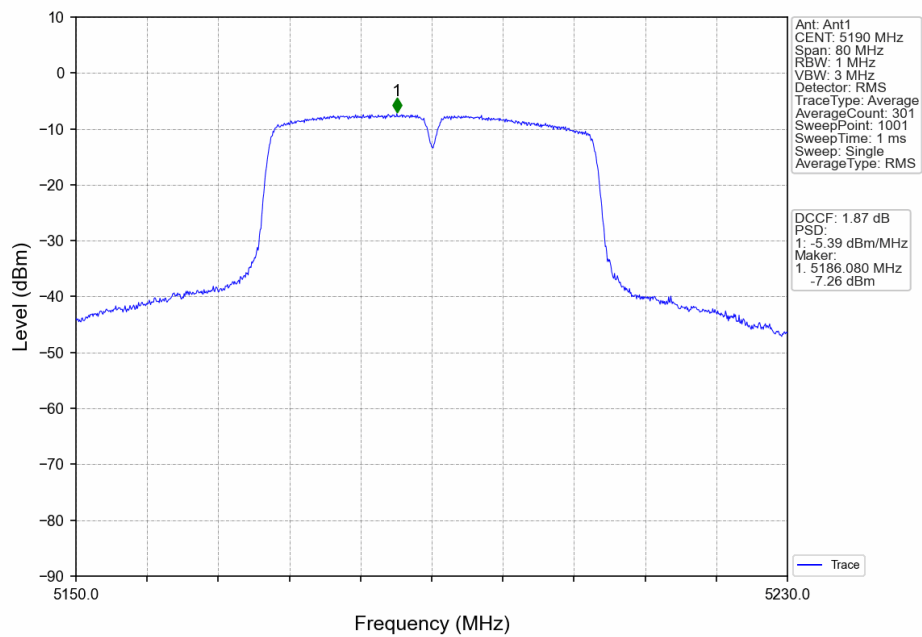
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



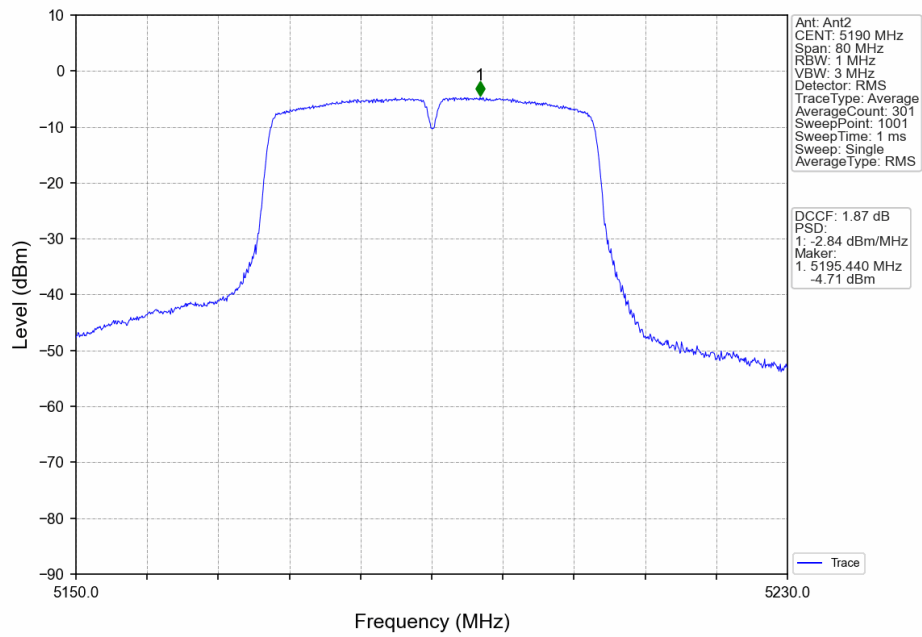
802.11ac(VHT20) HCH 5240MHz Ant2 NTN



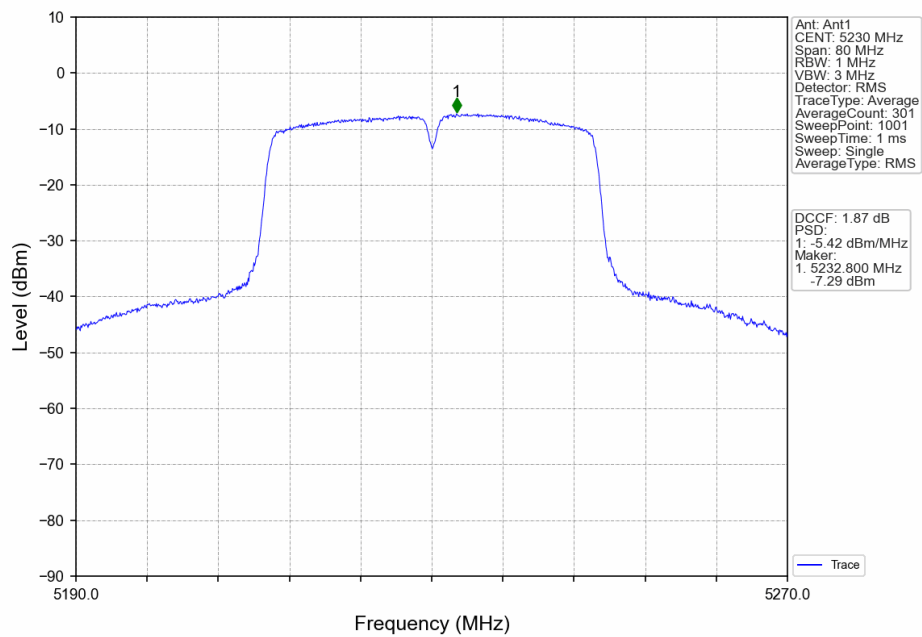
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



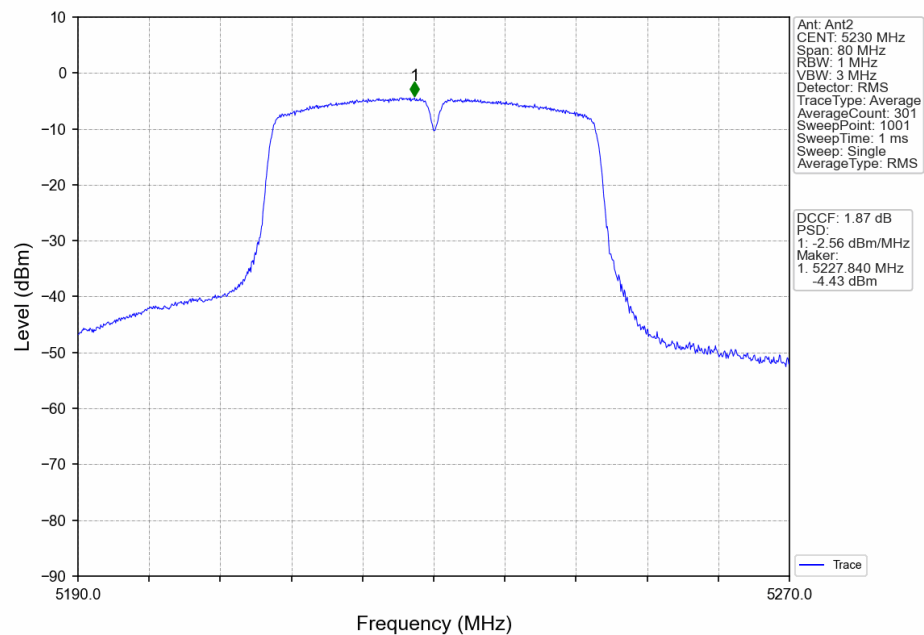
802.11ac(VHT40) LCH 5190MHz Ant2 NTN



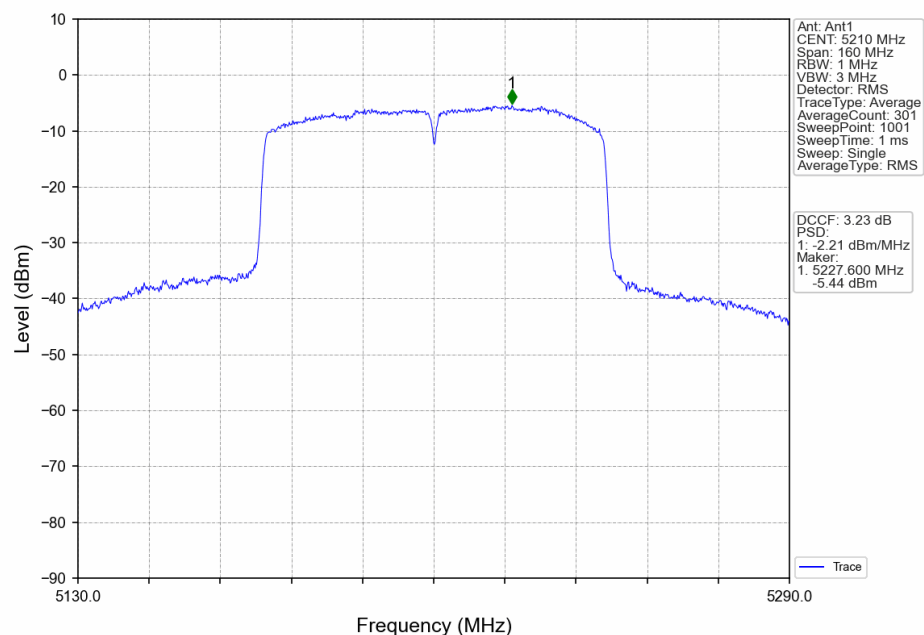
802.11ac(VHT40) HCH 5230MHz Ant1 NTN



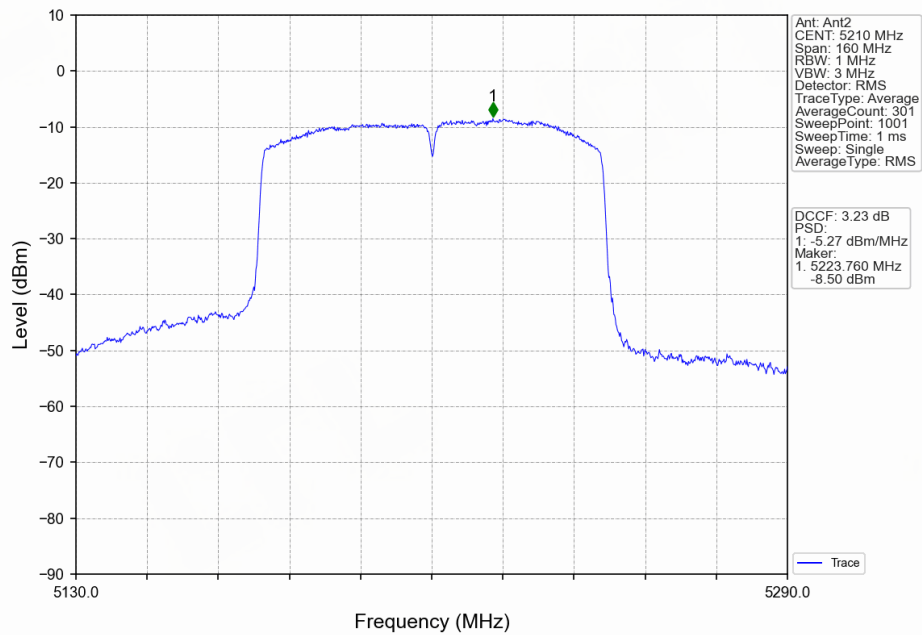
802.11ac(VHT40) HCH 5230MHz Ant2 NTN



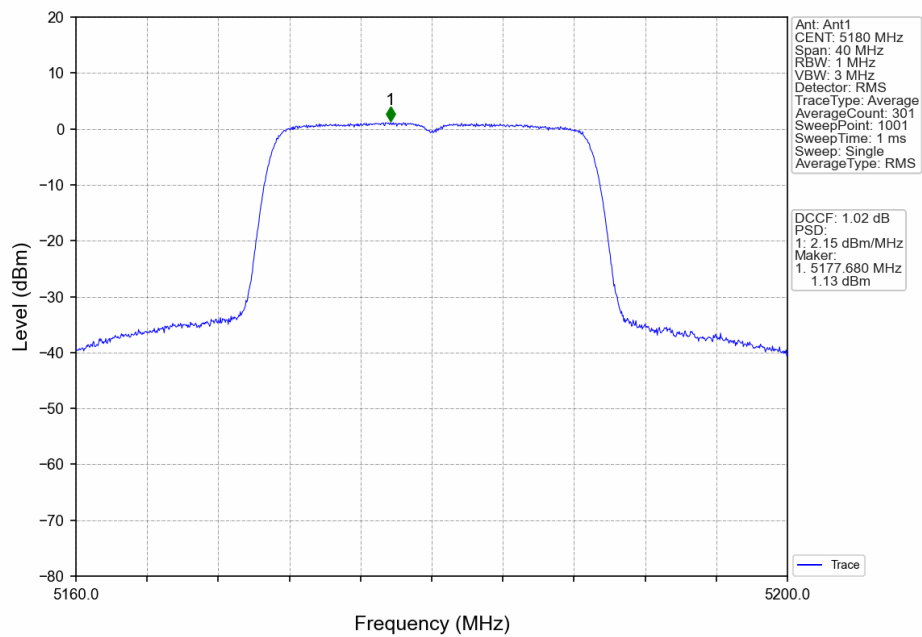
802.11ac(VHT80) MCH 5210MHz Ant1 NTN



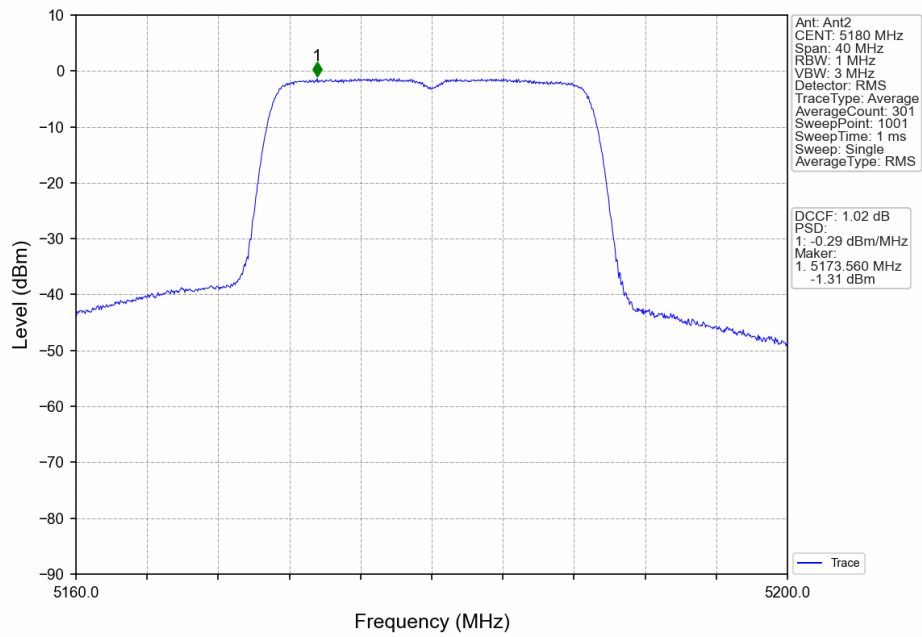
802.11ac(VHT80) MCH 5210MHz Ant2 NTNV



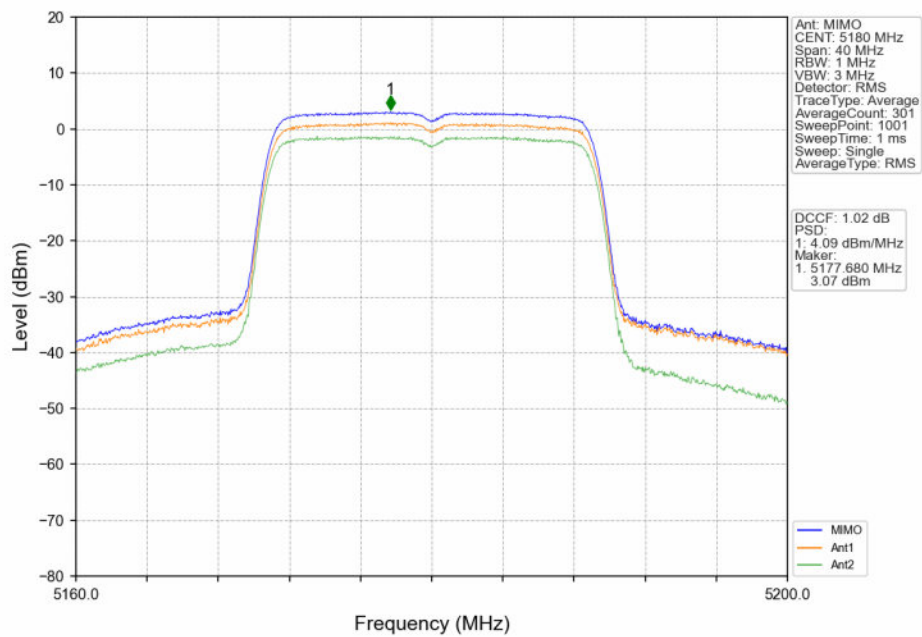
802.11ac(VHT20) LCH 5180MHz Ant1 NTNV



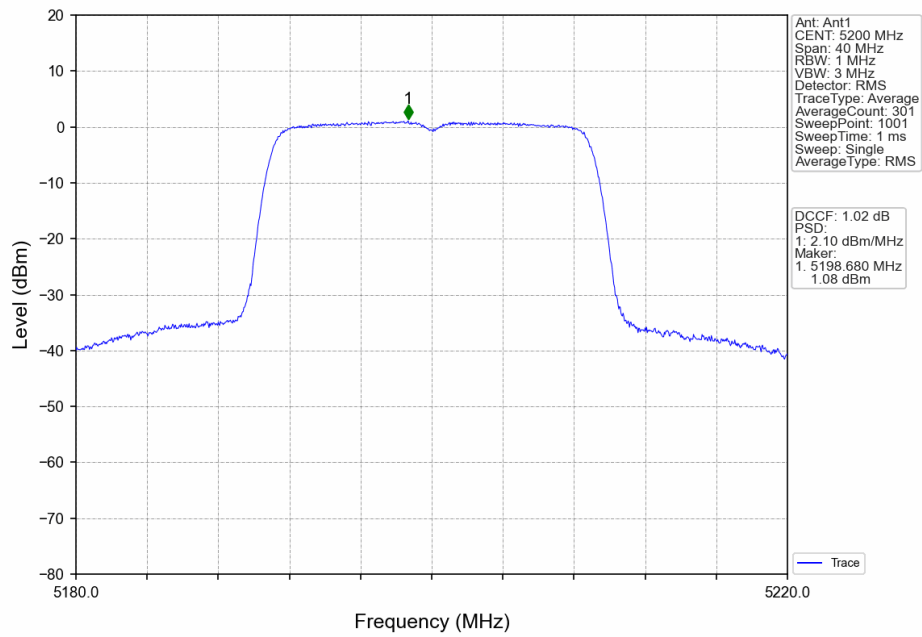
802.11ac(VHT20) LCH 5180MHz Ant2 NTN



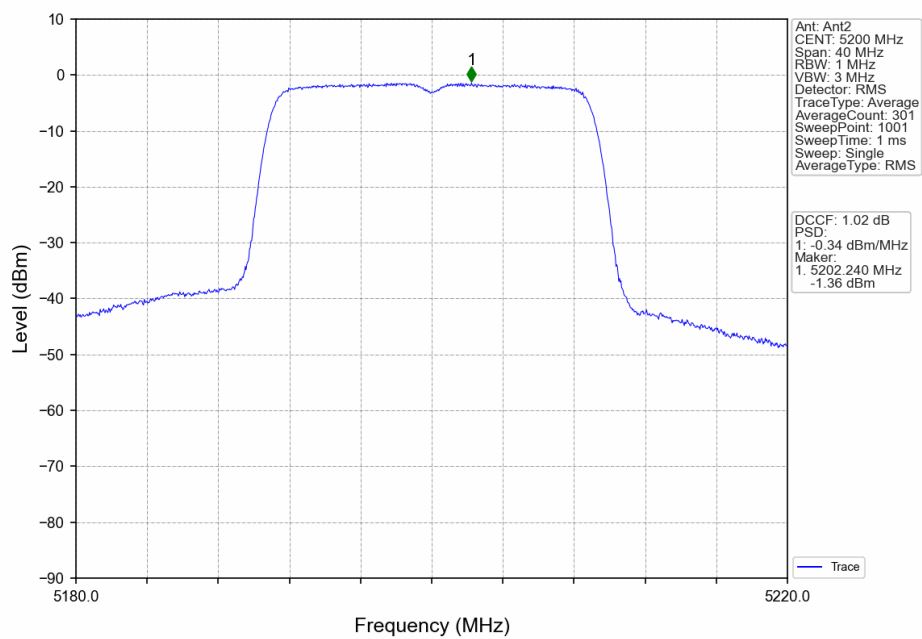
802.11ac(VHT20) LCH 5180MHz MIMO NTN



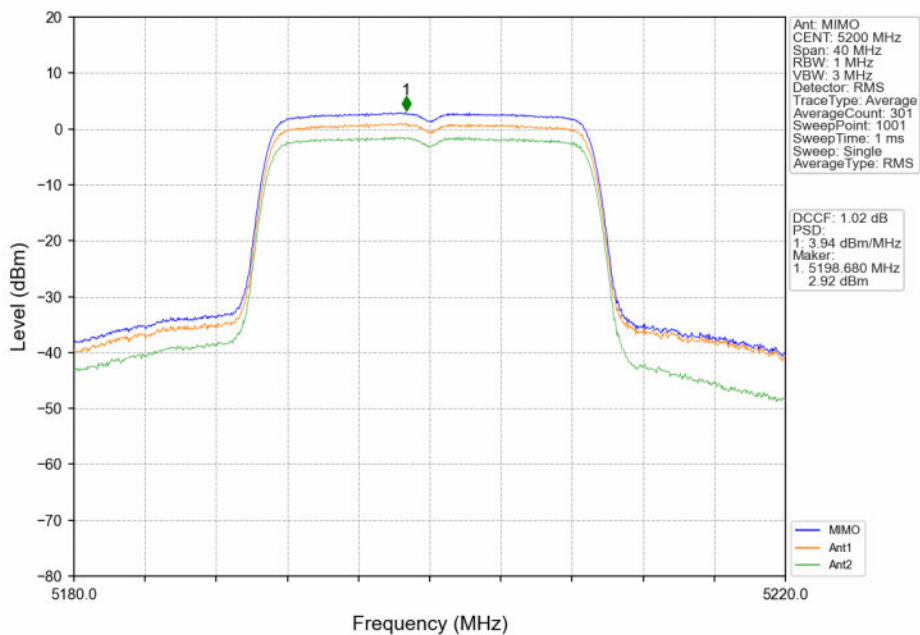
802.11ac(VHT20) MCH 5200MHz Ant1 NTN



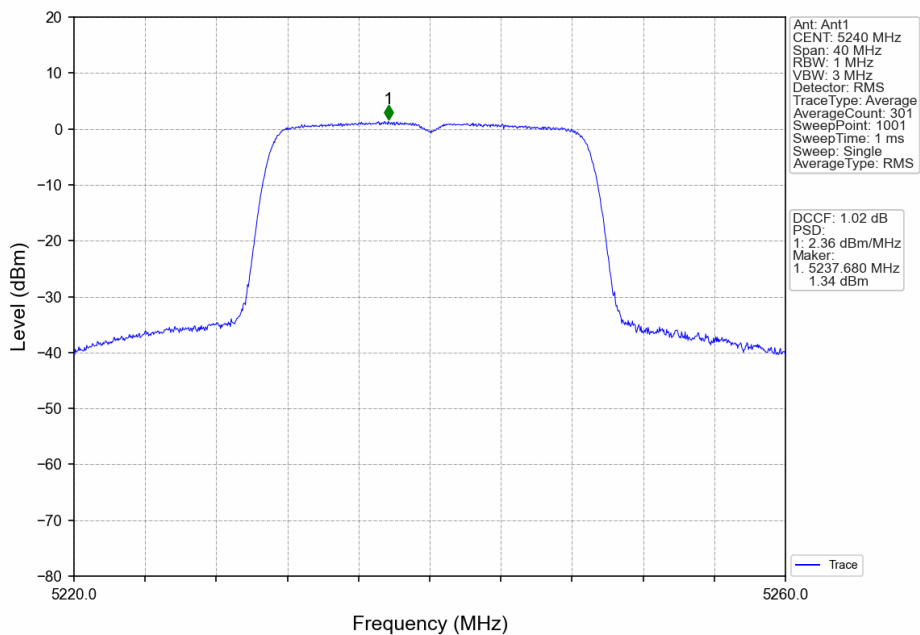
802.11ac(VHT20) MCH 5200MHz Ant2 NTN



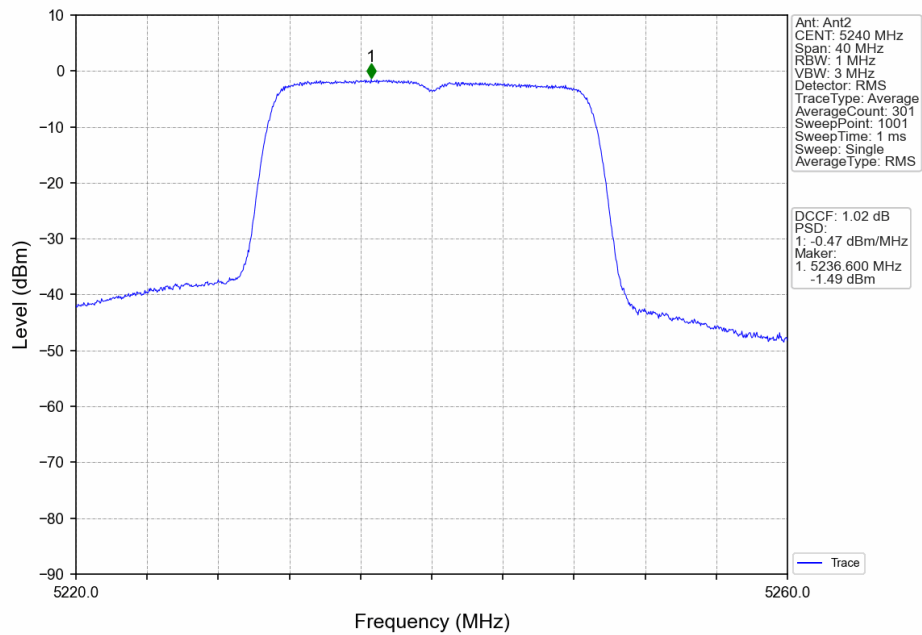
802.11ac(VHT20) MCH 5200MHz MIMO NTN



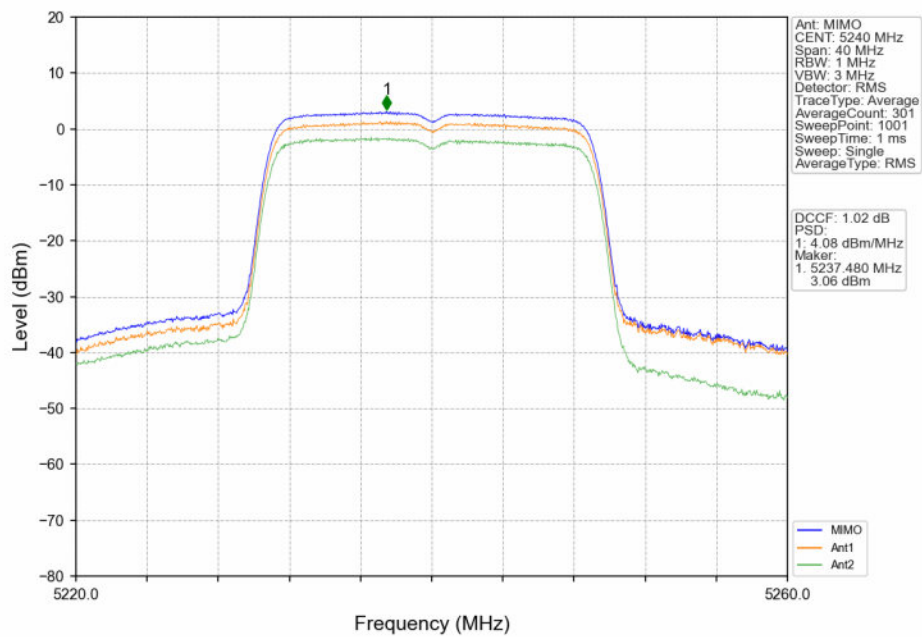
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



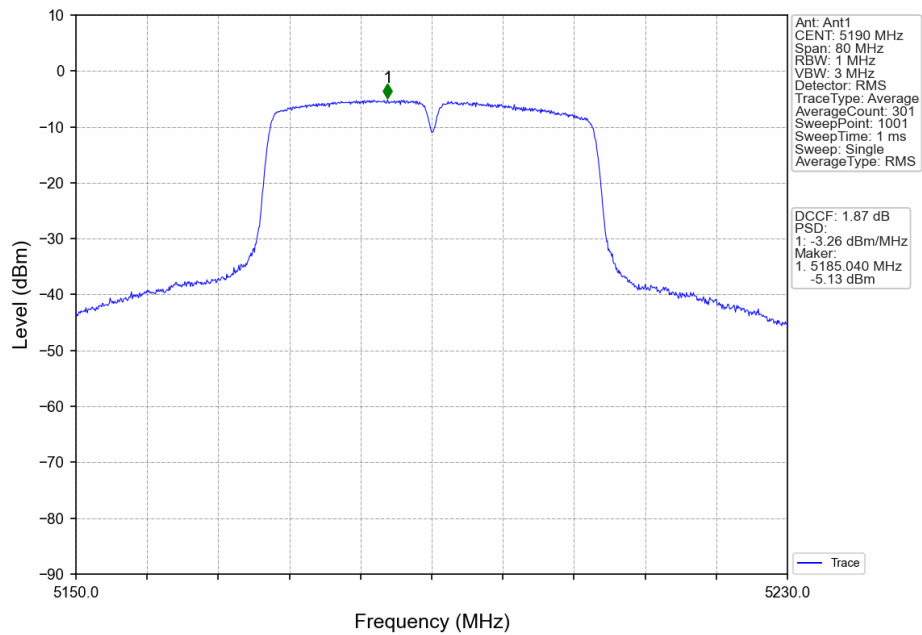
802.11ac(VHT20) HCH 5240MHz Ant2 NTN



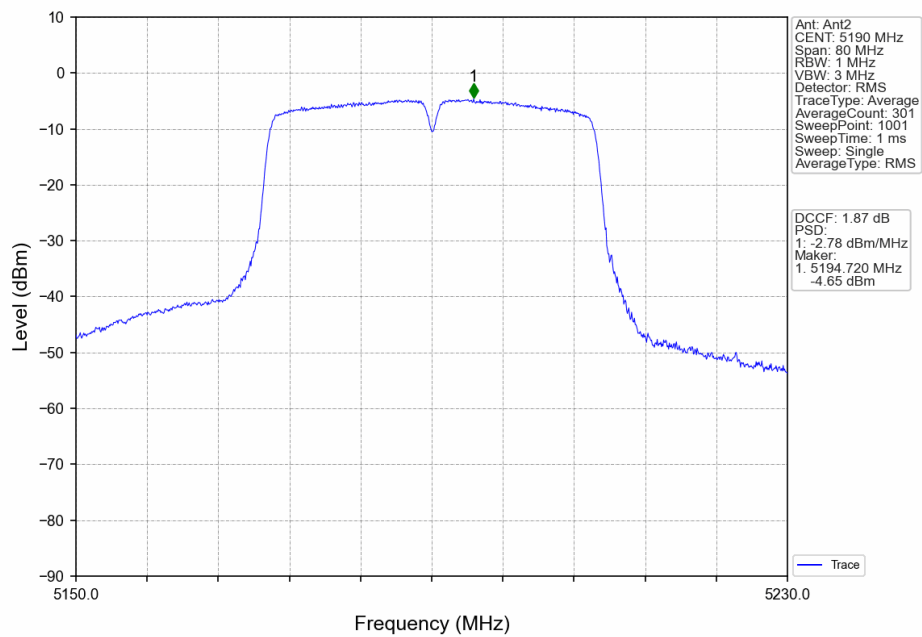
802.11ac(VHT20) HCH 5240MHz MIMO NTN



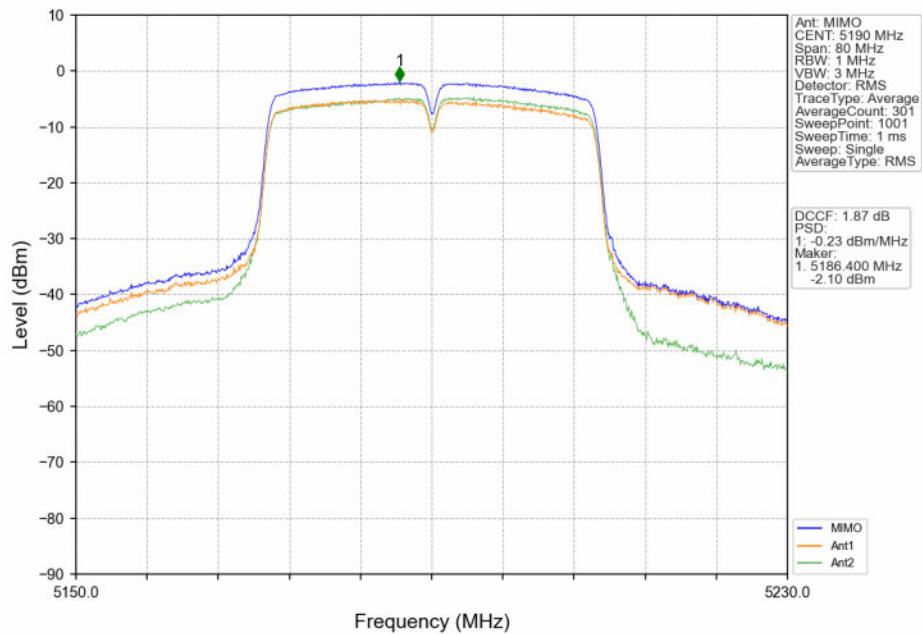
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



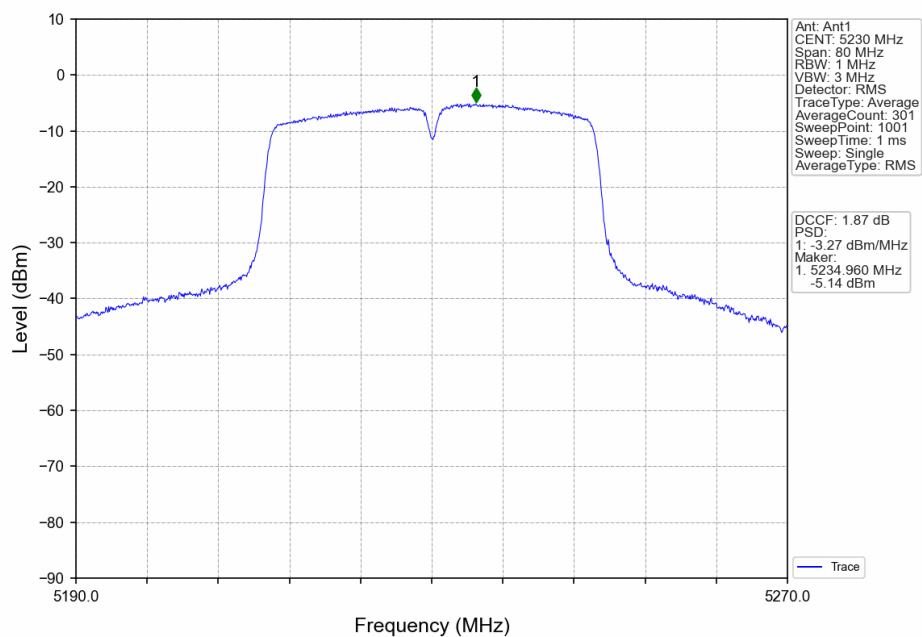
802.11ac(VHT40) LCH 5190MHz Ant2 NTN



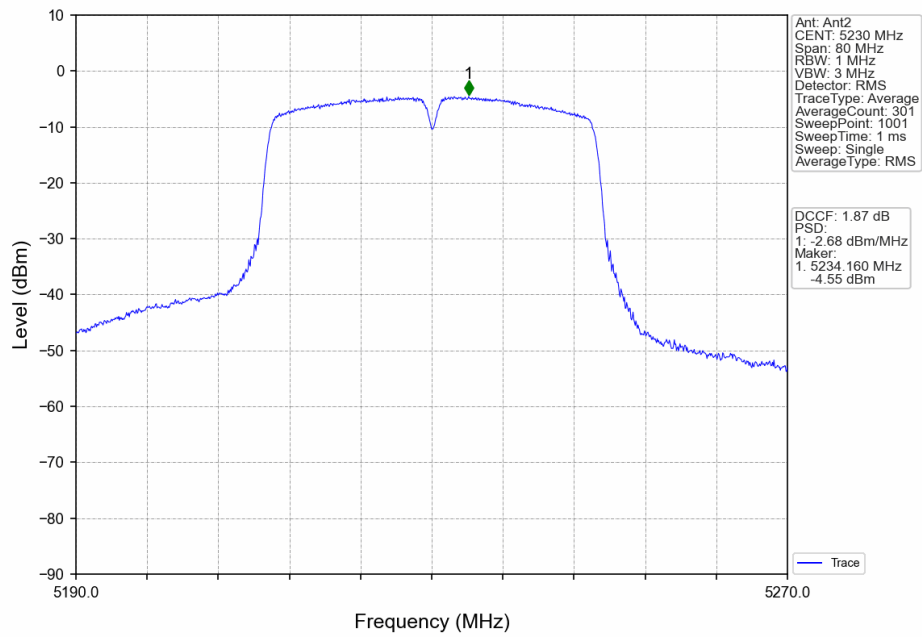
802.11ac(VHT40) LCH 5190MHz MIMO NTN



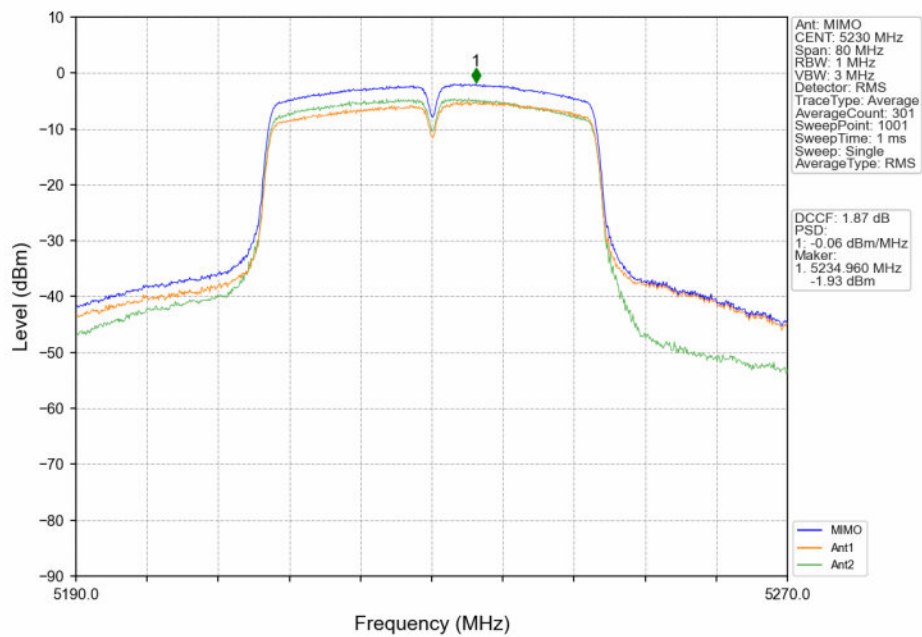
802.11ac(VHT40) HCH 5230MHz Ant1 NTN



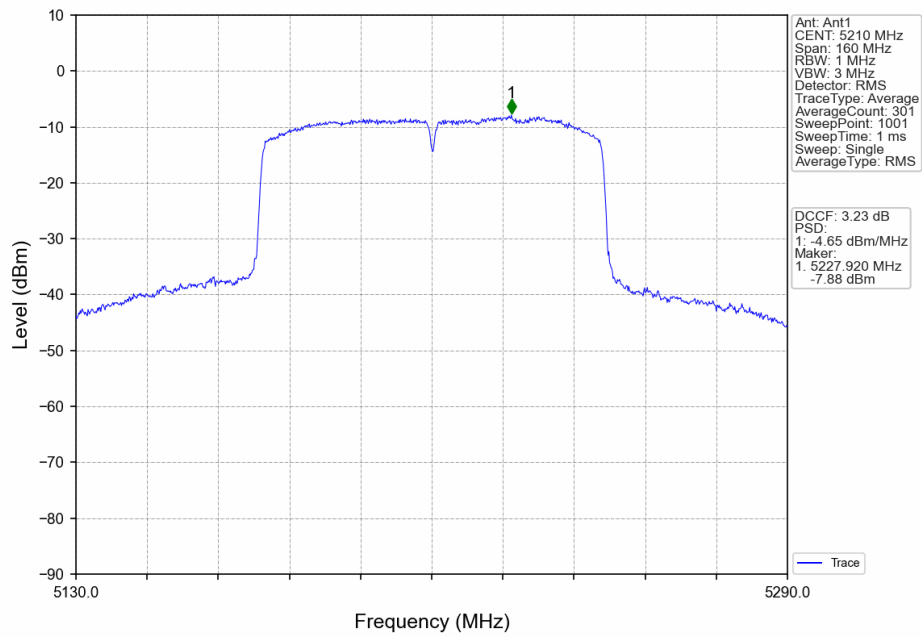
802.11ac(VHT40) HCH 5230MHz Ant2 NTN



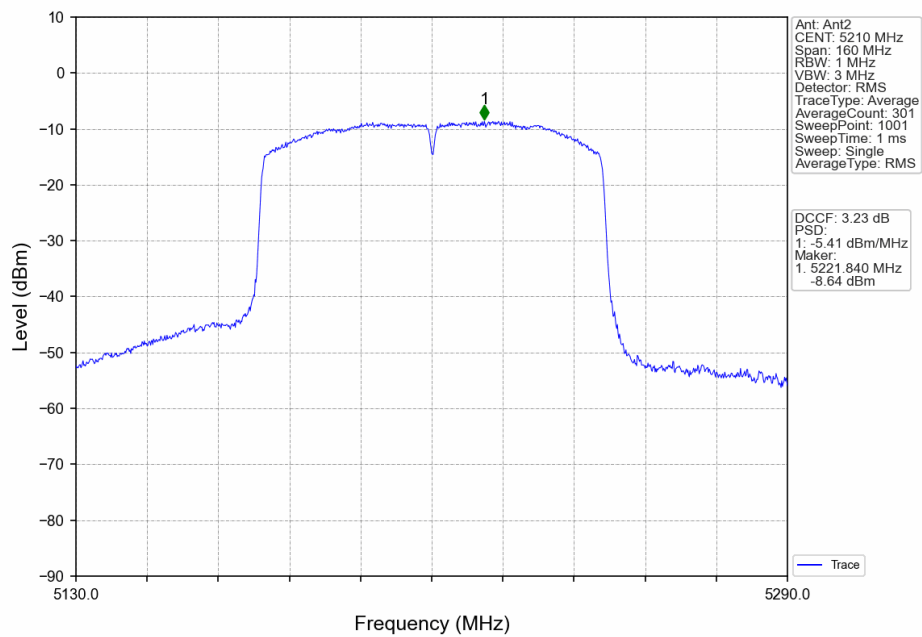
802.11ac(VHT40) HCH 5230MHz MIMO NTN

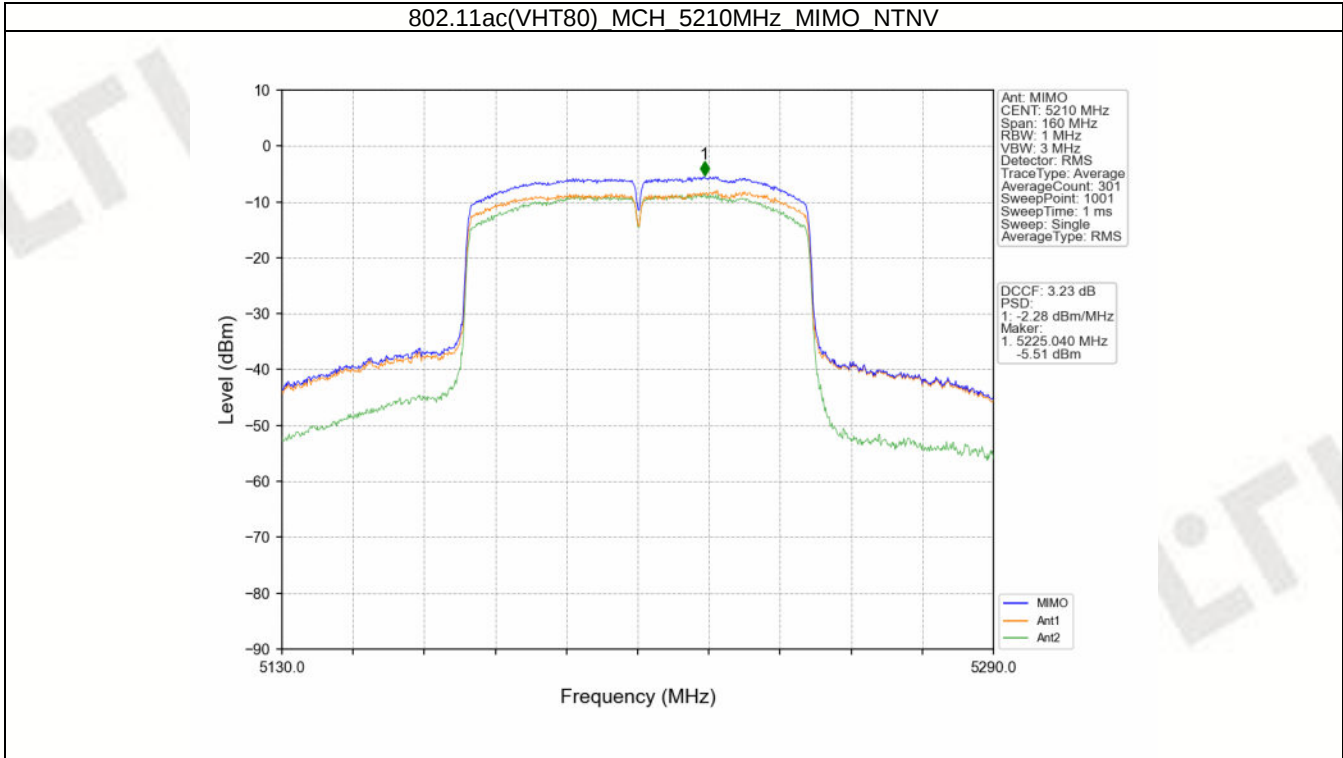


802.11ac(VHT80) MCH 5210MHz Ant1 NTN



802.11ac(VHT80) MCH 5210MHz Ant2 NTN





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	5179.988	5150 to 5250	Pass
				120	5179.988	5150 to 5250	Pass
				138	5179.988	5150 to 5250	Pass
			-30	120	5179.988	5150 to 5250	Pass
			-20	120	5179.988	5150 to 5250	Pass
			-10	120	5179.988	5150 to 5250	Pass
			0	120	5179.987	5150 to 5250	Pass
			10	120	5179.987	5150 to 5250	Pass
			30	120	5179.987	5150 to 5250	Pass
			40	120	5179.987	5150 to 5250	Pass
			50	120	5179.987	5150 to 5250	Pass
		5200	20	102	5199.987	5150 to 5250	Pass
				120	5199.988	5150 to 5250	Pass
				138	5199.986	5150 to 5250	Pass
			-30	120	5199.987	5150 to 5250	Pass
			-20	120	5199.987	5150 to 5250	Pass
			-10	120	5199.987	5150 to 5250	Pass
			0	120	5199.988	5150 to 5250	Pass
			10	120	5199.988	5150 to 5250	Pass
			30	120	5199.988	5150 to 5250	Pass
			40	120	5199.988	5150 to 5250	Pass
			50	120	5199.988	5150 to 5250	Pass
		5240	20	102	5239.986	5150 to 5250	Pass
				120	5239.986	5150 to 5250	Pass
				138	5239.986	5150 to 5250	Pass
			-30	120	5239.987	5150 to 5250	Pass
			-20	120	5239.987	5150 to 5250	Pass
			-10	120	5239.987	5150 to 5250	Pass
			0	120	5239.987	5150 to 5250	Pass
			10	120	5239.987	5150 to 5250	Pass
			30	120	5239.987	5150 to 5250	Pass
			40	120	5239.991	5150 to 5250	Pass
			50	120	5239.991	5150 to 5250	Pass
	MIMO	5190	20	102	5189.986	5150 to 5250	Pass
				120	5189.986	5150 to 5250	Pass
				138	5189.986	5150 to 5250	Pass
			-30	120	5189.987	5150 to 5250	Pass
			-20	120	5189.987	5150 to 5250	Pass
			-10	120	5189.987	5150 to 5250	Pass
			0	120	5189.987	5150 to 5250	Pass
			10	120	5189.988	5150 to 5250	Pass
			30	120	5189.988	5150 to 5250	Pass
			40	120	5189.988	5150 to 5250	Pass
			50	120	5189.988	5150 to 5250	Pass
		5230	20	102	5229.986	5150 to 5250	Pass
				120	5229.987	5150 to 5250	Pass
				138	5229.988	5150 to 5250	Pass
			-30	120	5229.988	5150 to 5250	Pass
			-20	120	5229.988	5150 to 5250	Pass

			-10	120	5229.988	5150 to 5250	Pass
			0	120	5229.988	5150 to 5250	Pass
			10	120	5229.989	5150 to 5250	Pass
			30	120	5229.989	5150 to 5250	Pass
			40	120	5229.989	5150 to 5250	Pass
			50	120	5229.989	5150 to 5250	Pass
		5210	20	102	5209.989	5150 to 5250	Pass
				120	5209.989	5150 to 5250	Pass
				138	5209.988	5150 to 5250	Pass
			-30	120	5209.988	5150 to 5250	Pass
			-20	120	5209.989	5150 to 5250	Pass
			-10	120	5209.989	5150 to 5250	Pass
			0	120	5209.989	5150 to 5250	Pass
			10	120	5209.989	5150 to 5250	Pass
			30	120	5209.989	5150 to 5250	Pass
			40	120	5209.989	5150 to 5250	Pass
			50	120	5209.989	5150 to 5250	Pass

4.2 Ant2

4.2.1 Test Result

Ant2							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5180	20	102	5179.987	5150 to 5250	Pass
				120	5179.987	5150 to 5250	Pass
				138	5179.987	5150 to 5250	Pass
			-30	120	5179.987	5150 to 5250	Pass
			-20	120	5179.987	5150 to 5250	Pass
			-10	120	5179.987	5150 to 5250	Pass
			0	120	5179.988	5150 to 5250	Pass
			10	120	5179.988	5150 to 5250	Pass
			30	120	5179.988	5150 to 5250	Pass
			40	120	5179.988	5150 to 5250	Pass
			50	120	5179.988	5150 to 5250	Pass
		5200	20	102	5199.986	5150 to 5250	Pass
				120	5199.987	5150 to 5250	Pass
				138	5199.988	5150 to 5250	Pass
			-30	120	5199.988	5150 to 5250	Pass
			-20	120	5199.988	5150 to 5250	Pass
			-10	120	5199.988	5150 to 5250	Pass
			0	120	5199.989	5150 to 5250	Pass
			10	120	5199.989	5150 to 5250	Pass
			30	120	5199.989	5150 to 5250	Pass
			40	120	5199.989	5150 to 5250	Pass
			50	120	5199.989	5150 to 5250	Pass
		5240	20	102	5239.987	5150 to 5250	Pass
				120	5239.988	5150 to 5250	Pass
				138	5239.988	5150 to 5250	Pass
			-30	120	5239.989	5150 to 5250	Pass
			-20	120	5239.989	5150 to 5250	Pass
			-10	120	5239.989	5150 to 5250	Pass
			0	120	5239.989	5150 to 5250	Pass

			10	120	5239.989	5150 to 5250	Pass
			30	120	5239.989	5150 to 5250	Pass
			40	120	5239.990	5150 to 5250	Pass
			50	120	5239.990	5150 to 5250	Pass
MIMO		5190	20	102	5189.987	5150 to 5250	Pass
				120	5189.987	5150 to 5250	Pass
				138	5189.987	5150 to 5250	Pass
			-30	120	5189.988	5150 to 5250	Pass
			-20	120	5189.988	5150 to 5250	Pass
			-10	120	5189.988	5150 to 5250	Pass
			0	120	5189.988	5150 to 5250	Pass
			10	120	5189.989	5150 to 5250	Pass
			30	120	5189.989	5150 to 5250	Pass
			40	120	5189.989	5150 to 5250	Pass
			50	120	5189.989	5150 to 5250	Pass
		5230	20	102	5229.987	5150 to 5250	Pass
				120	5229.988	5150 to 5250	Pass
				138	5229.988	5150 to 5250	Pass
			-30	120	5229.989	5150 to 5250	Pass
			-20	120	5229.989	5150 to 5250	Pass
			-10	120	5229.989	5150 to 5250	Pass
			0	120	5229.989	5150 to 5250	Pass
			10	120	5229.990	5150 to 5250	Pass
			30	120	5229.990	5150 to 5250	Pass
			40	120	5229.990	5150 to 5250	Pass
			50	120	5229.990	5150 to 5250	Pass
		5210	20	102	5209.988	5150 to 5250	Pass
				120	5209.988	5150 to 5250	Pass
				138	5209.989	5150 to 5250	Pass
			-30	120	5209.989	5150 to 5250	Pass
			-20	120	5209.990	5150 to 5250	Pass
			-10	120	5209.990	5150 to 5250	Pass
			0	120	5209.990	5150 to 5250	Pass
			10	120	5209.990	5150 to 5250	Pass
			30	120	5209.990	5150 to 5250	Pass
			40	120	5209.990	5150 to 5250	Pass
			50	120	5209.990	5150 to 5250	Pass

5. Form731

5.1 Form731

5.1.1 Test Result

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
5180	5240	0.0372	15.70
5190	5230	0.0287	14.58
5210	5210	0.0318	15.02