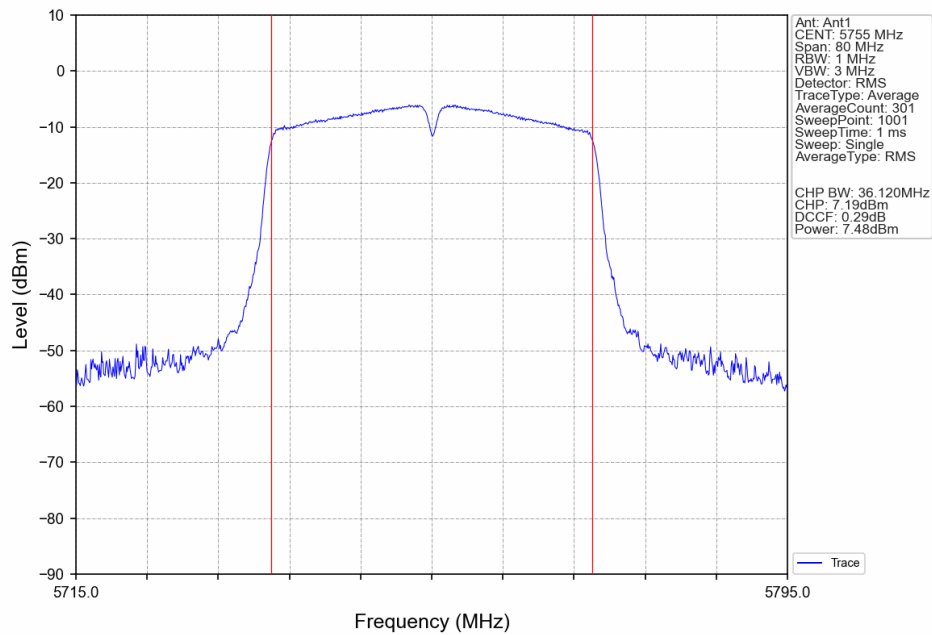
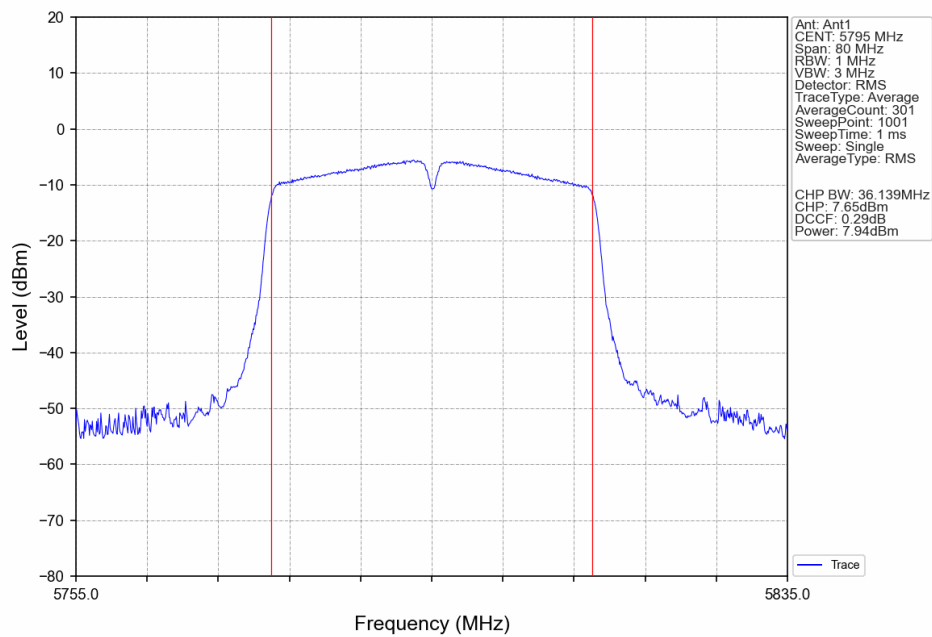


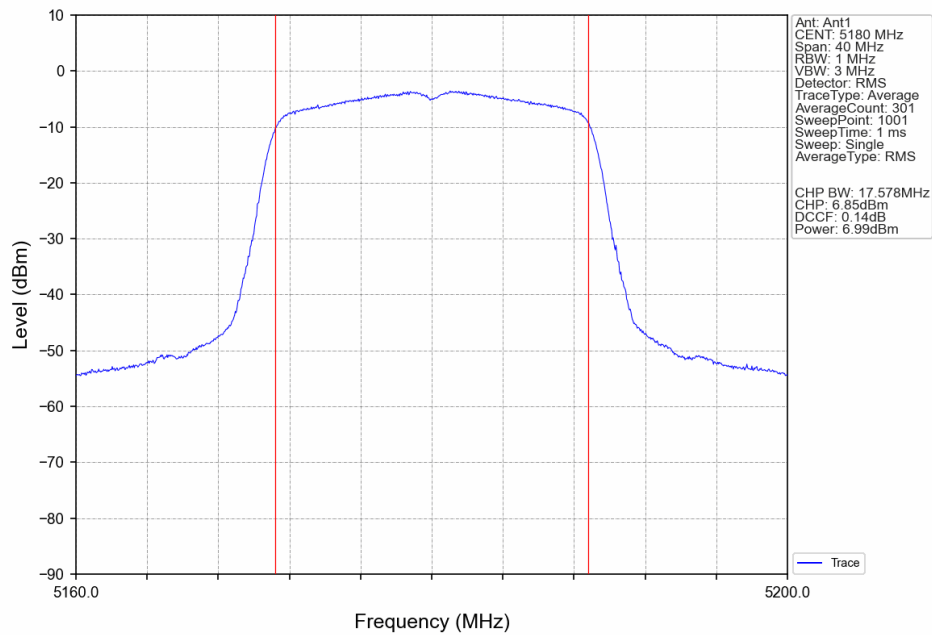
802.11n(HT40) LCH 5755MHz Ant1 NTN



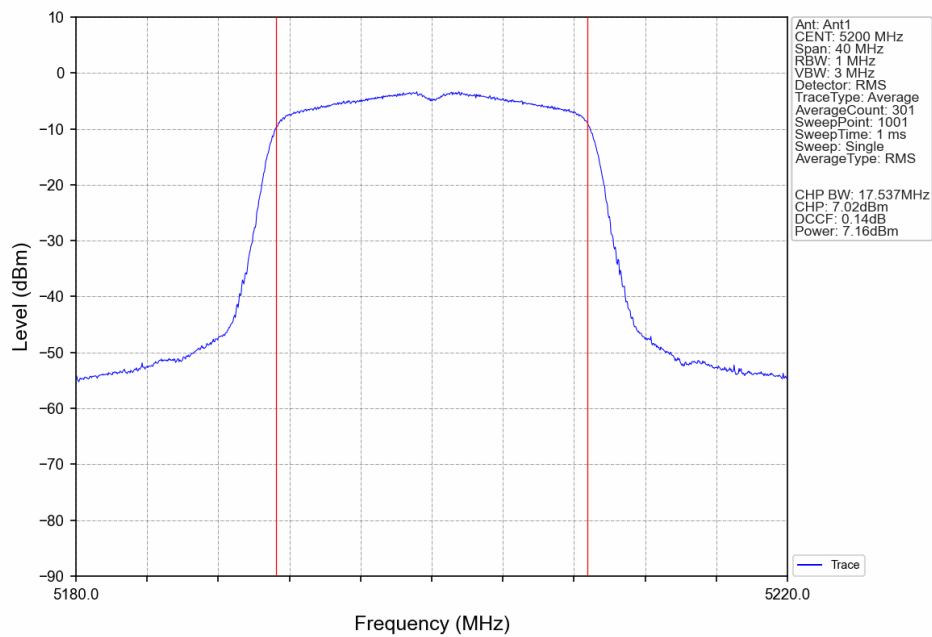
802.11n(HT40) HCH 5795MHz Ant1 NTN



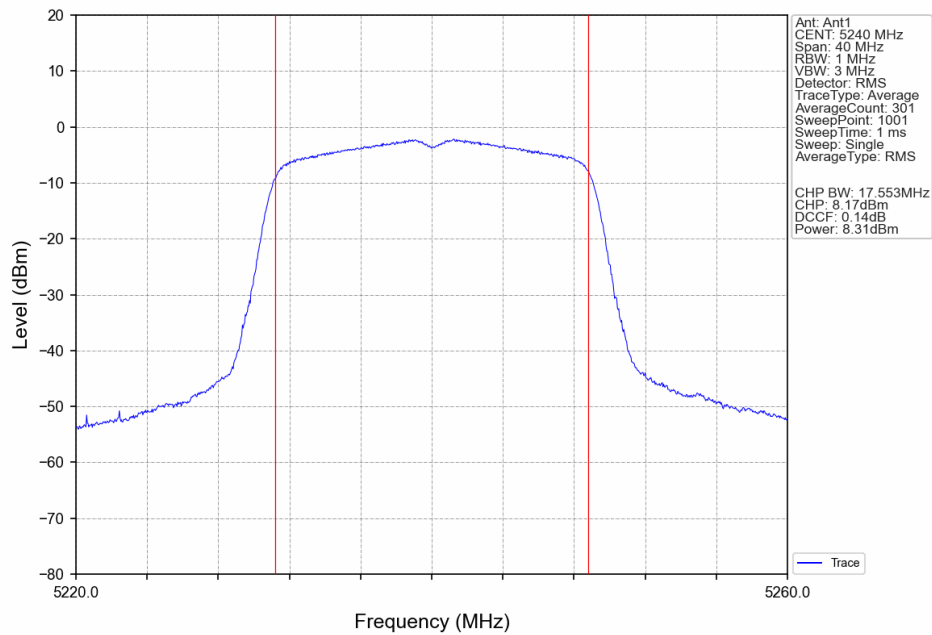
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



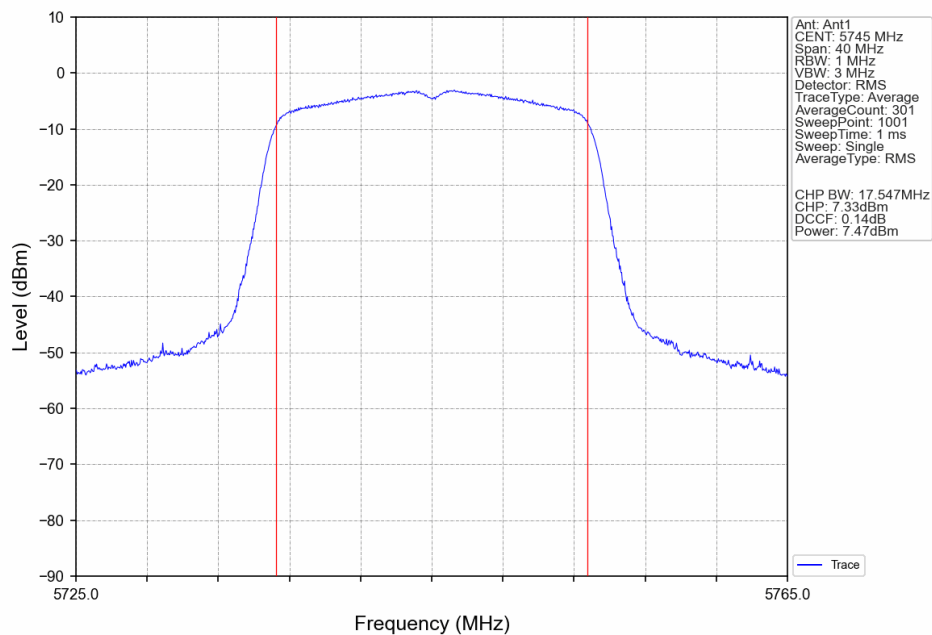
802.11ac(VHT20) MCH 5200MHz Ant1 NTN



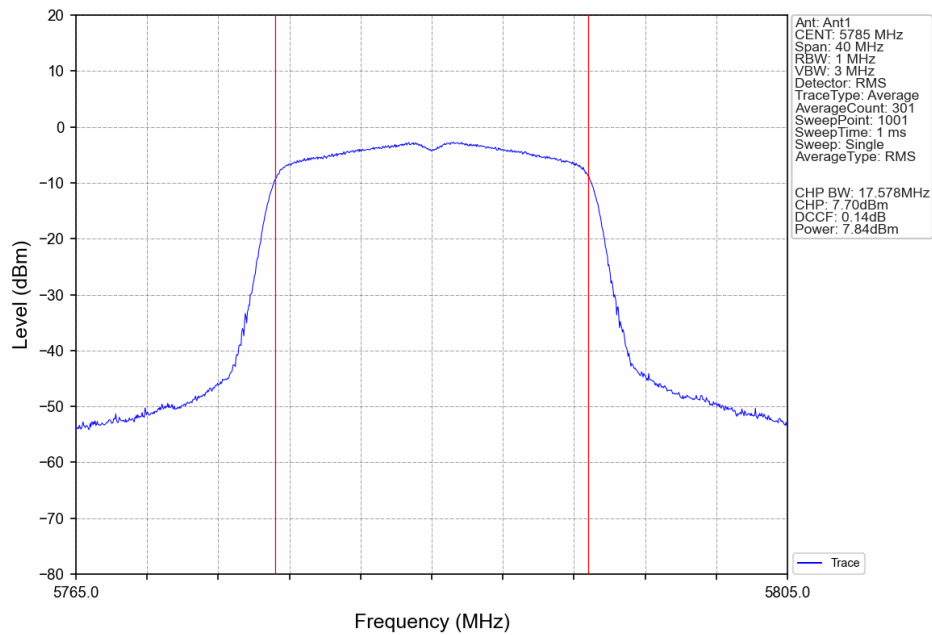
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



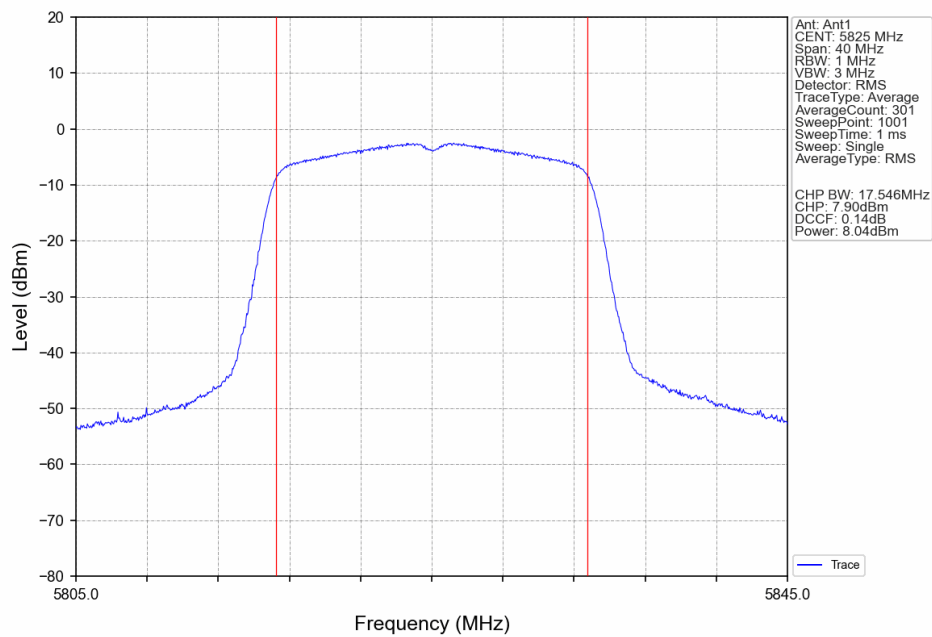
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



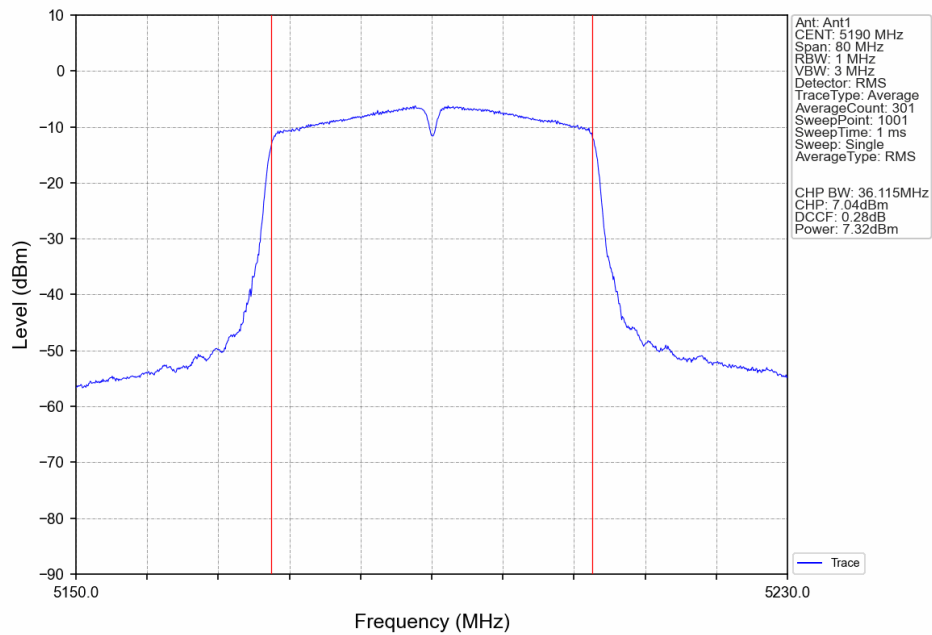
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



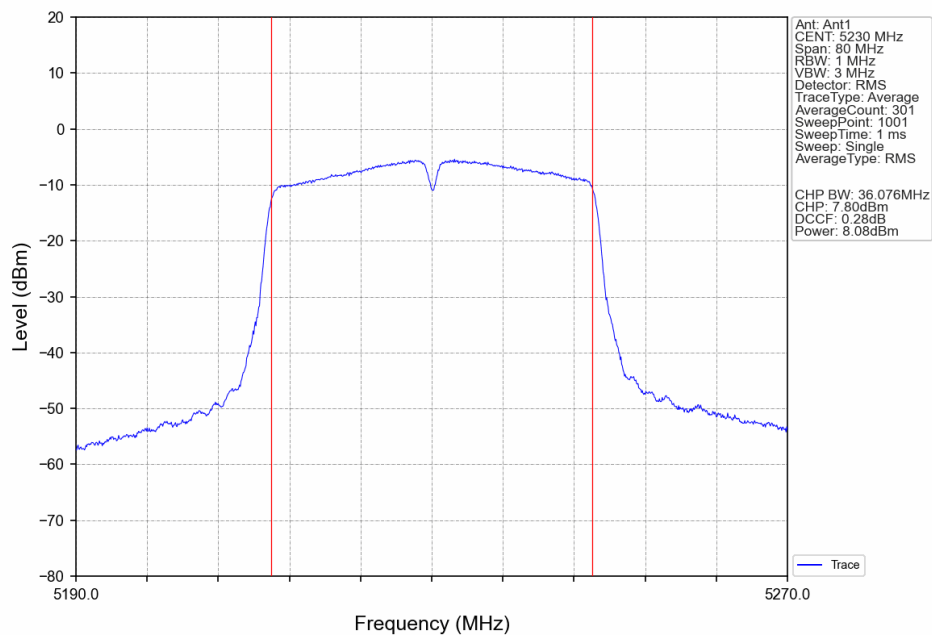
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



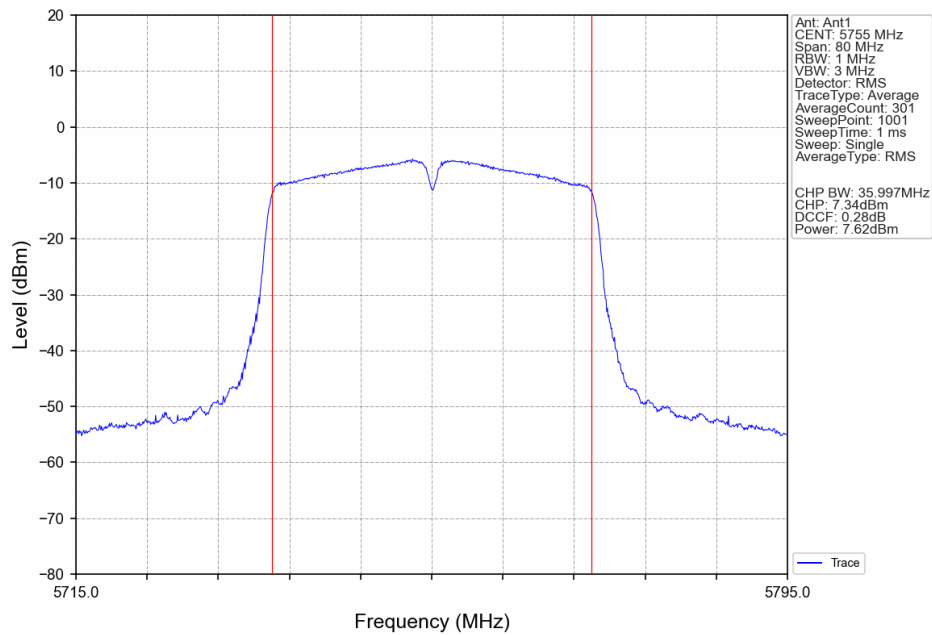
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



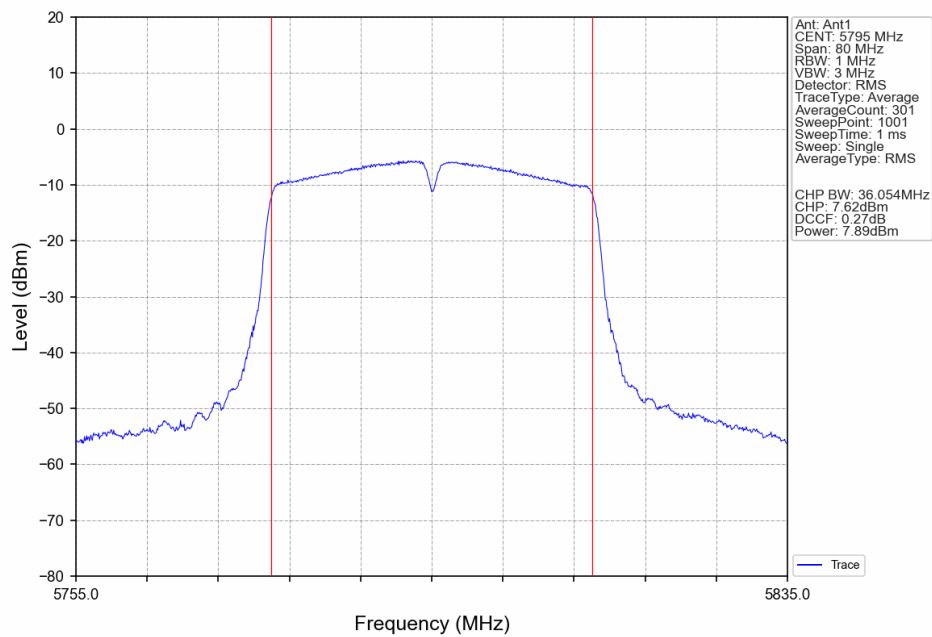
802.11ac(VHT40) HCH 5230MHz Ant1 NTN



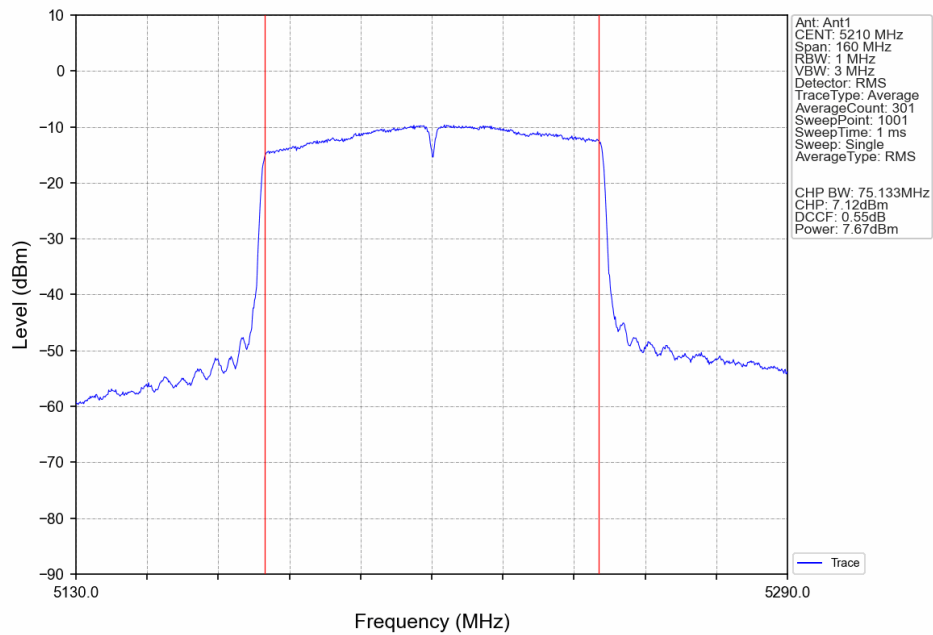
802.11ac(VHT40) LCH 5755MHz Ant1 NTN



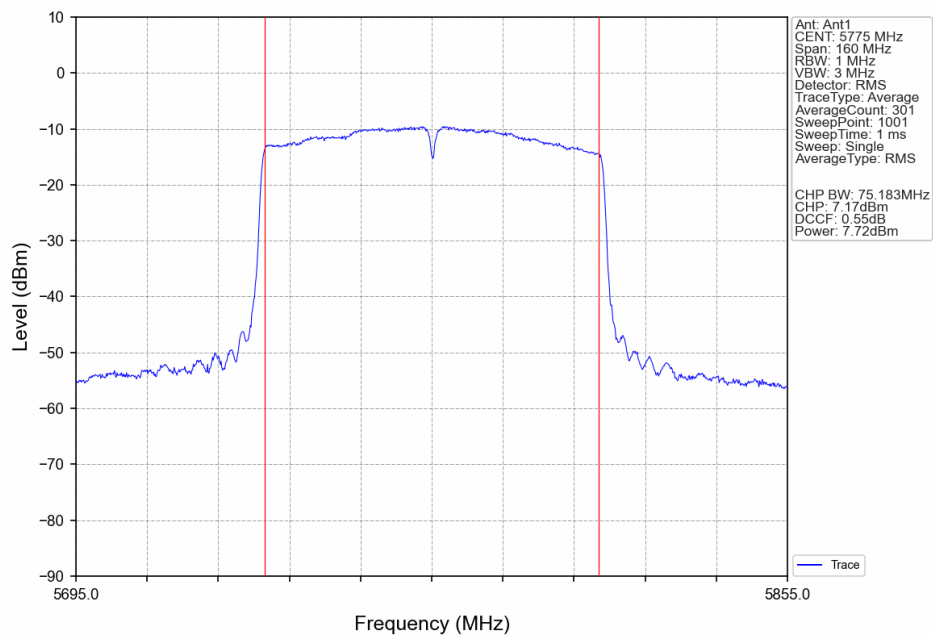
802.11ac(VHT40) HCH 5795MHz Ant1 NTN



802.11ac(VHT80) MCH 5210MHz Ant1 NTNV



802.11ac(VHT80) MCH 5775MHz Ant1 NTNV



4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	-3.25	<=11	Pass
		5200	-2.79	<=11	Pass
		5240	-3.08	<=11	Pass
802.11n (HT20)	SISO	5180	-2.45	<=11	Pass
		5200	-2.19	<=11	Pass
		5240	-2.17	<=11	Pass
802.11n (HT40)	SISO	5190	-6.12	<=11	Pass
		5230	-5.44	<=11	Pass
802.11ac (VHT20)	SISO	5180	-3.47	<=11	Pass
		5200	-3.18	<=11	Pass
		5240	-2.17	<=11	Pass
802.11ac (VHT40)	SISO	5190	-5.99	<=11	Pass
		5230	-5.10	<=11	Pass
802.11ac (VHT80)	SISO	5210	-8.76	<=11	Pass

Note1: Antenna Gain:
- Band: 3 Ant1: 2.44dBi;
- Band: 1 Ant1: 3.74dBi;

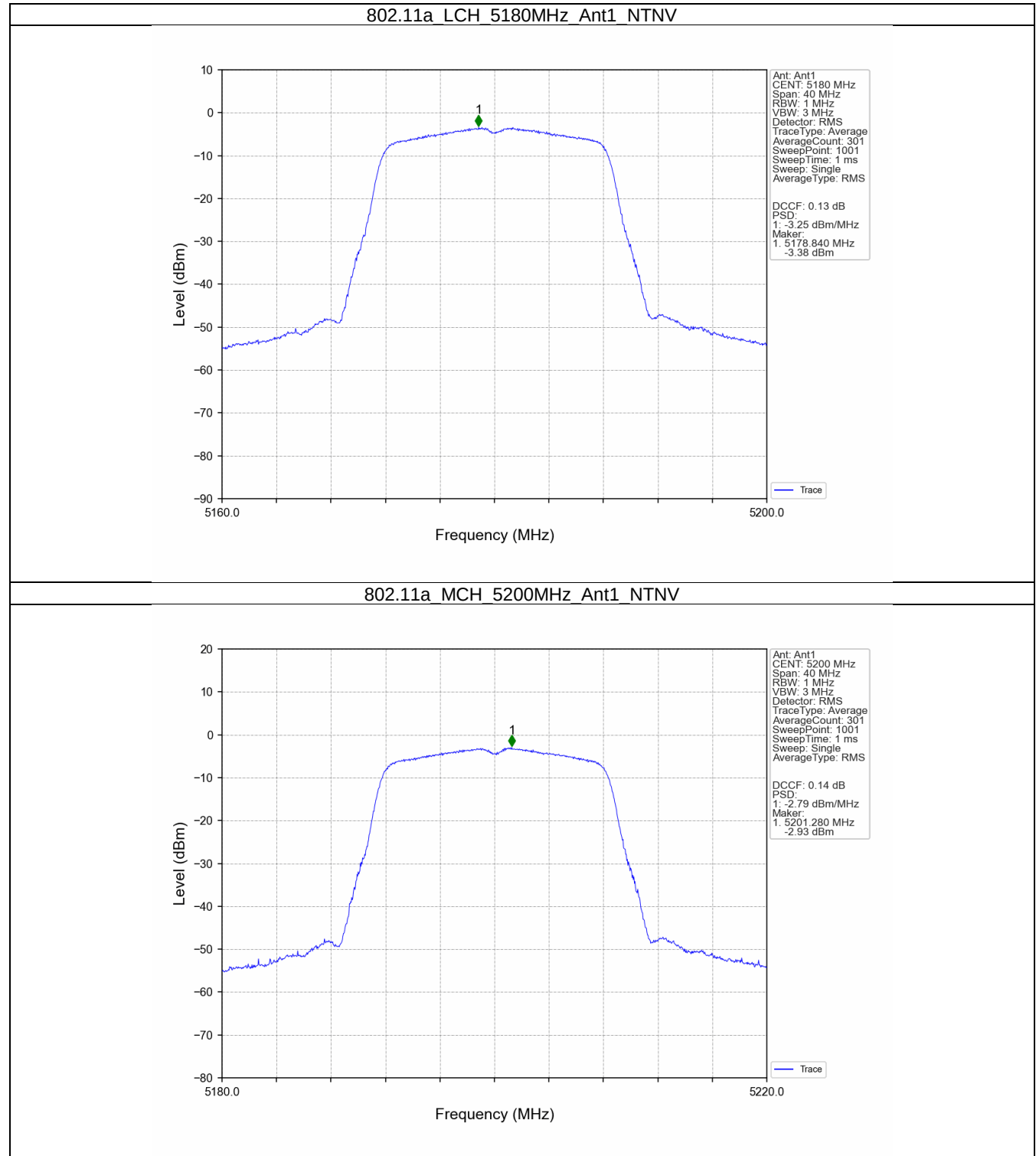
4.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-6.35	<=30	Pass
		5785	-6.12	<=30	Pass
		5825	-5.75	<=30	Pass
802.11n (HT20)	SISO	5745	-5.79	<=30	Pass
		5785	-5.45	<=30	Pass
		5825	-5.21	<=30	Pass
802.11n (HT40)	SISO	5755	-8.50	<=30	Pass
		5795	-8.22	<=30	Pass
802.11ac (VHT20)	SISO	5745	-5.71	<=30	Pass
		5785	-5.45	<=30	Pass
		5825	-5.06	<=30	Pass
802.11ac (VHT40)	SISO	5755	-8.28	<=30	Pass
		5795	-8.13	<=30	Pass
802.11ac (VHT80)	SISO	5775	-11.27	<=30	Pass

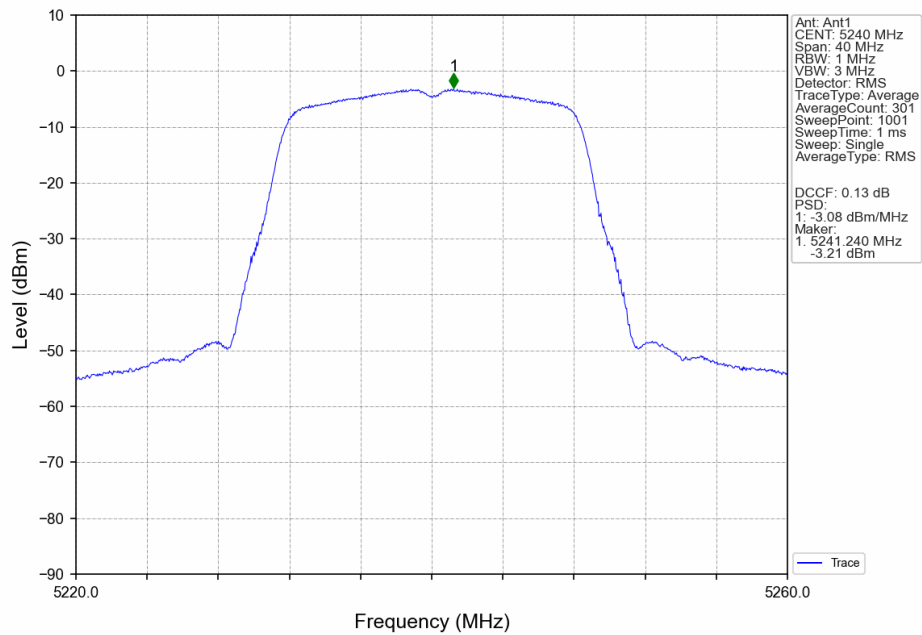
Note1: Antenna Gain:
- Band: 1 Ant1: 3.74dBi;
- Band: 3 Ant1: 2.44dBi;

4.2 Test Graph

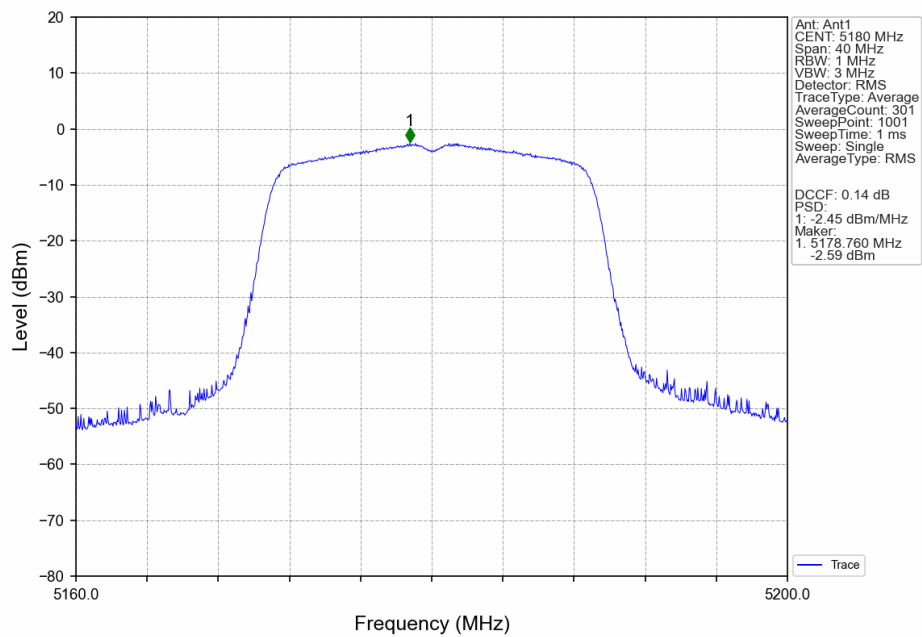
4.2.1 PSD



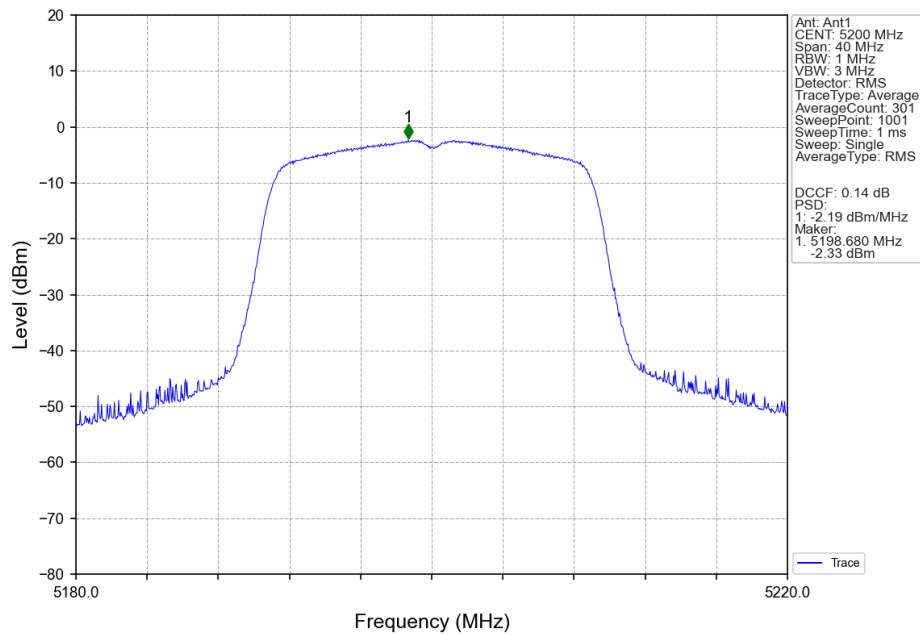
802.11a HCH 5240MHz Ant1 NTNV



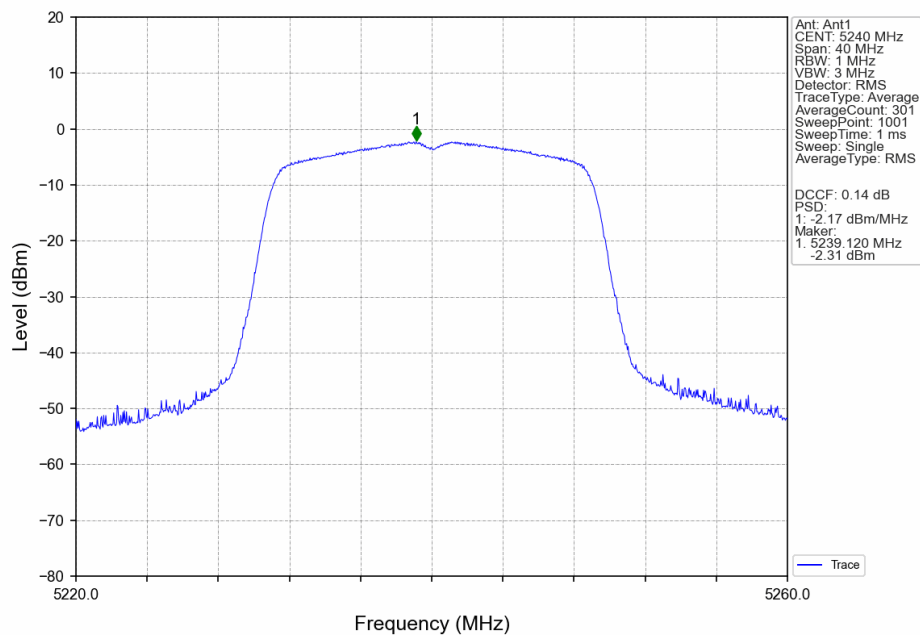
802.11n(HT20) LCH 5180MHz Ant1 NTNV



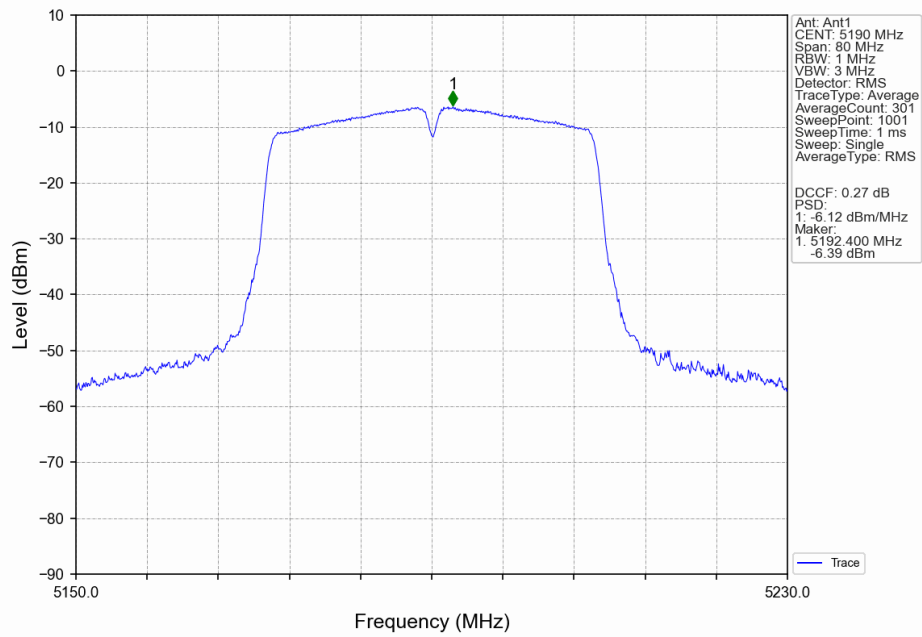
802.11n(HT20) MCH 5200MHz Ant1 NTN



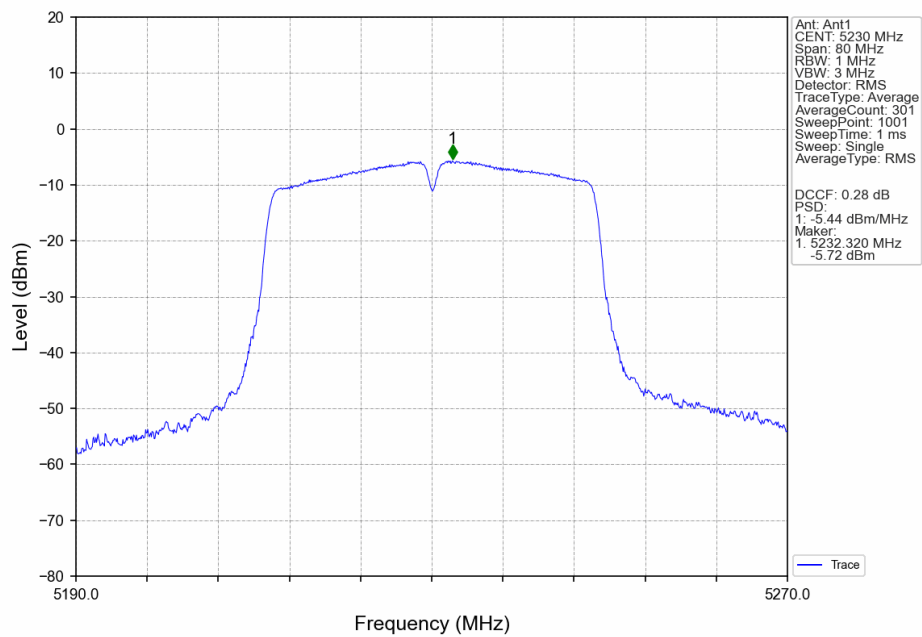
802.11n(HT20) HCH 5240MHz Ant1 NTN



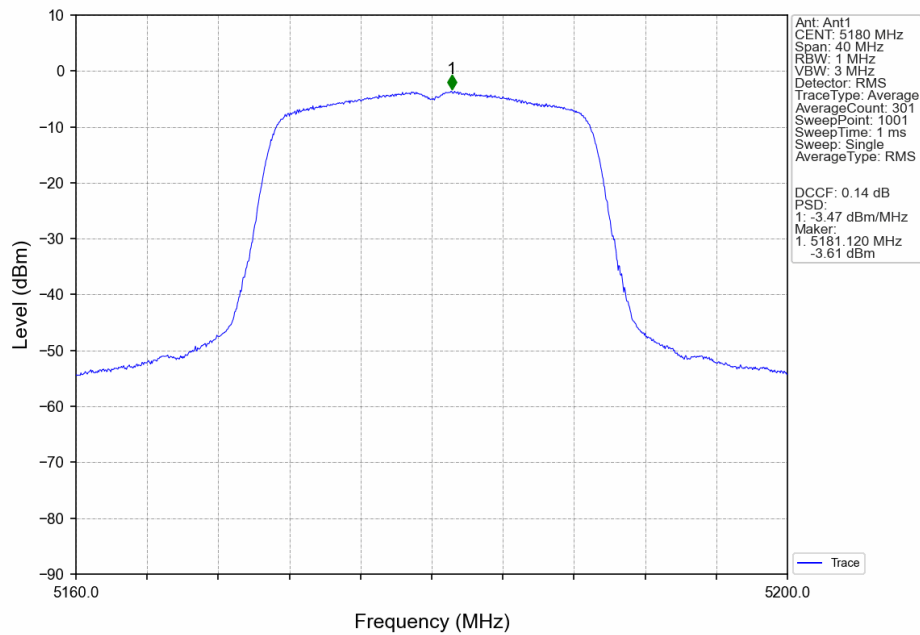
802.11n(HT40) LCH 5190MHz Ant1 NTN



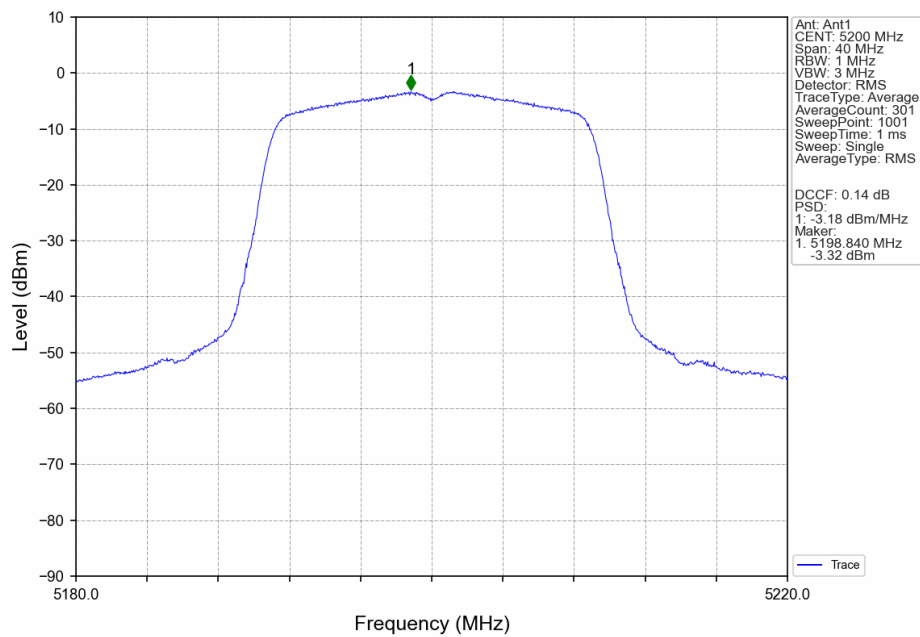
802.11n(HT40) HCH 5230MHz Ant1 NTN



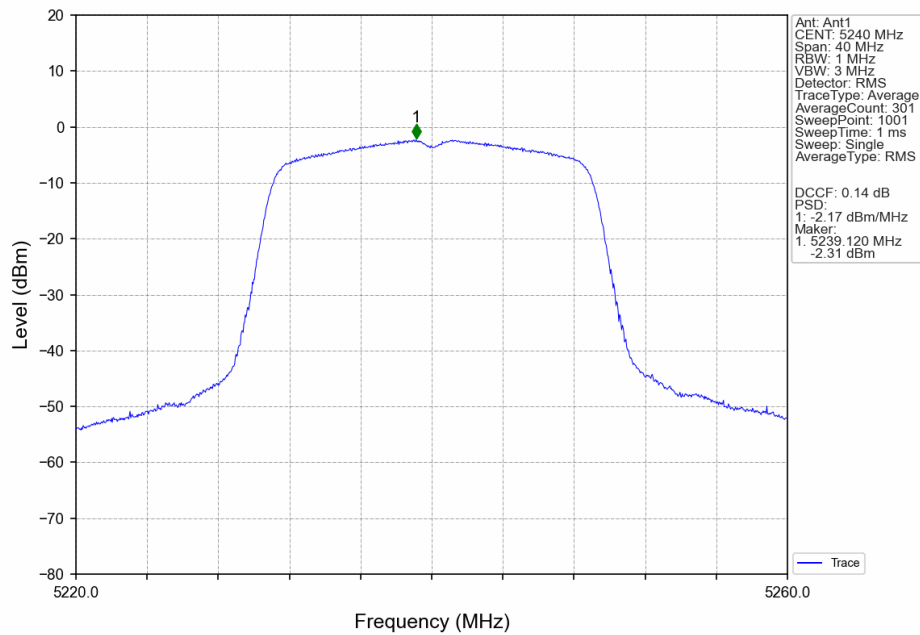
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



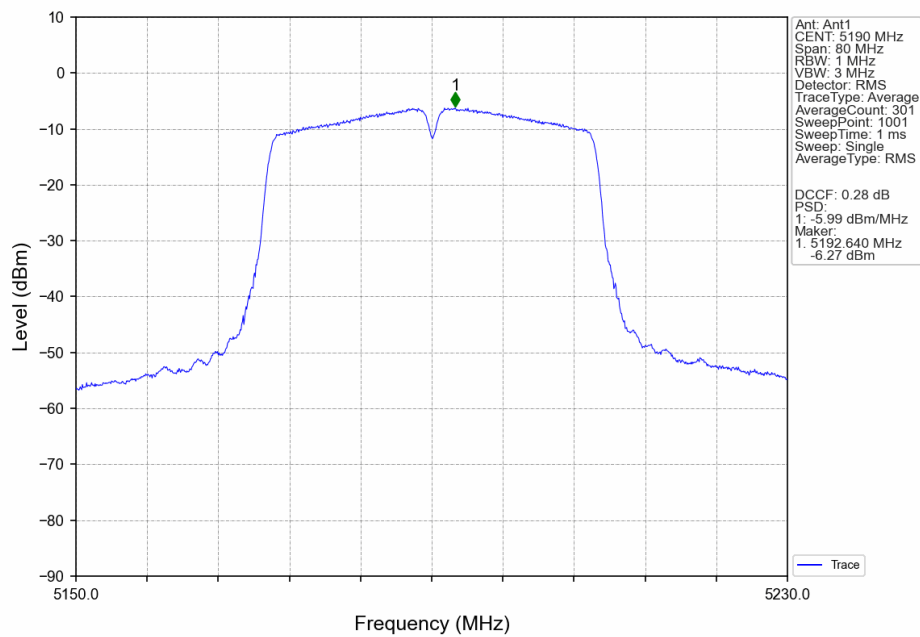
802.11ac(VHT20) MCH 5200MHz Ant1 NTN



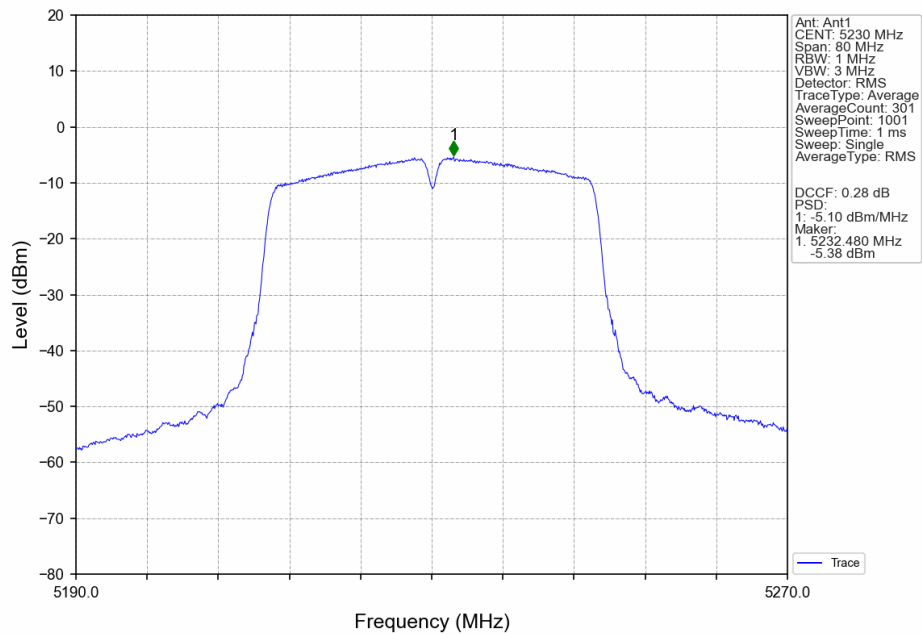
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



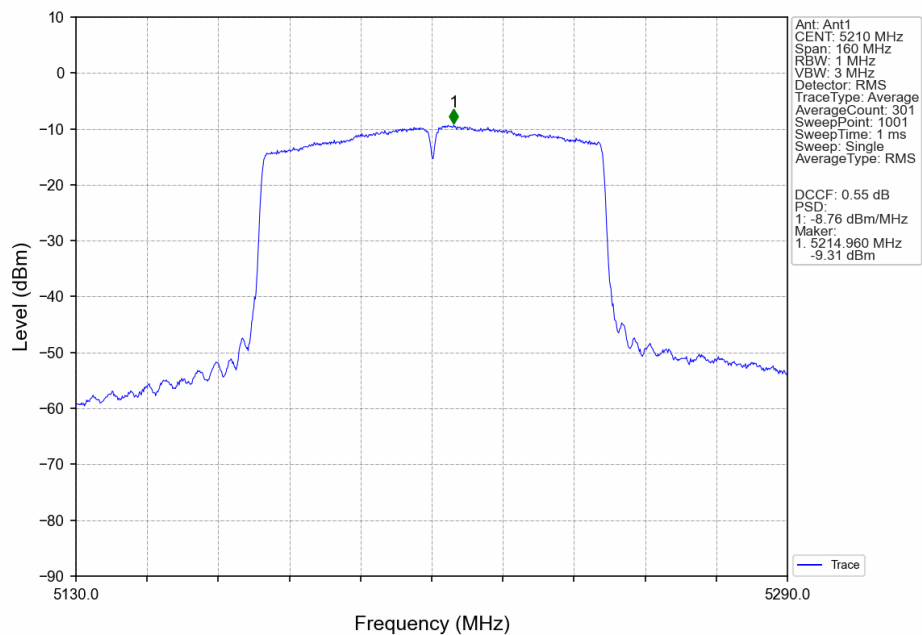
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



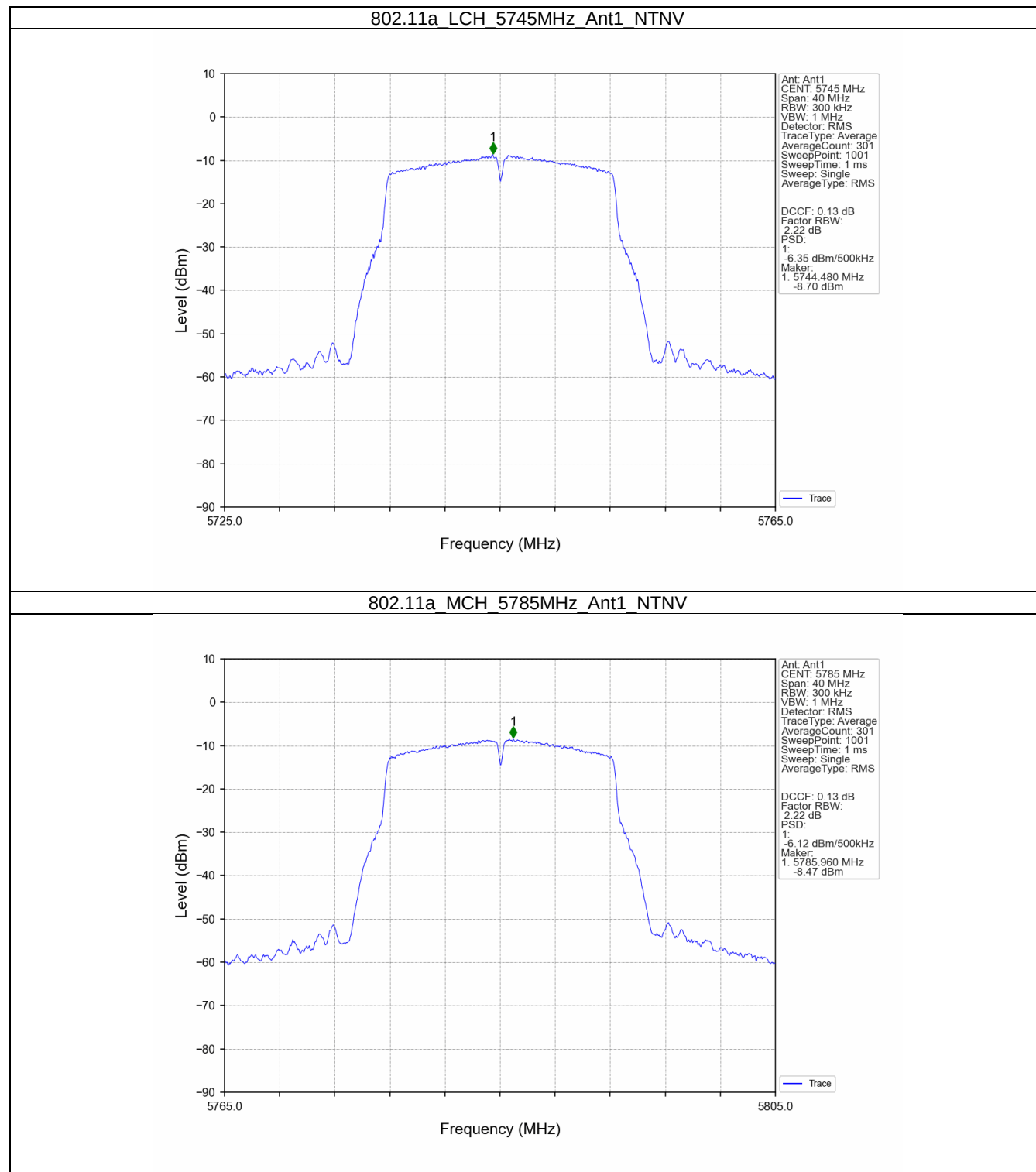
802.11ac(VHT40) HCH 5230MHz Ant1 NTNV



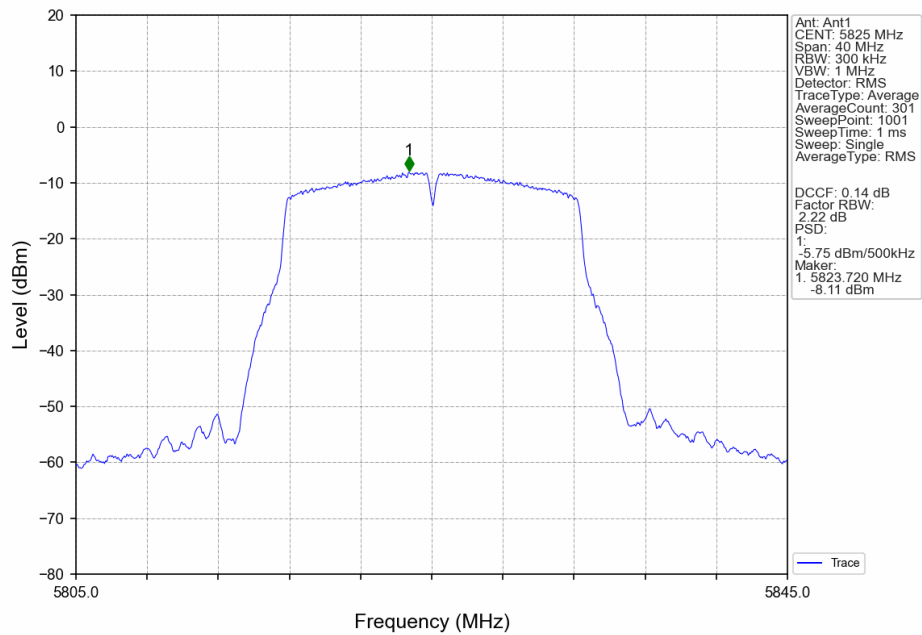
802.11ac(VHT80) MCH 5210MHz Ant1 NTNV



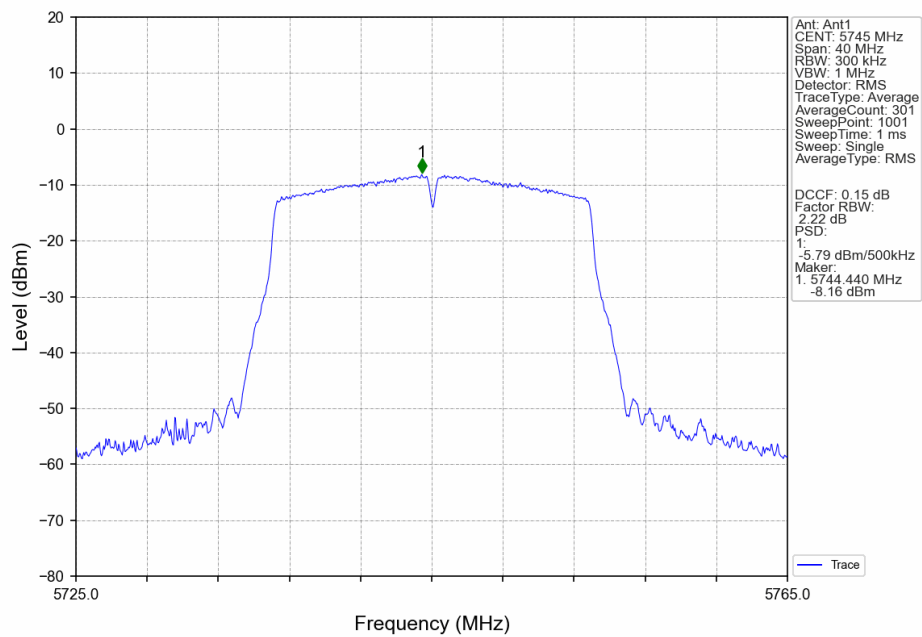
4.2.2 PSD-Band3



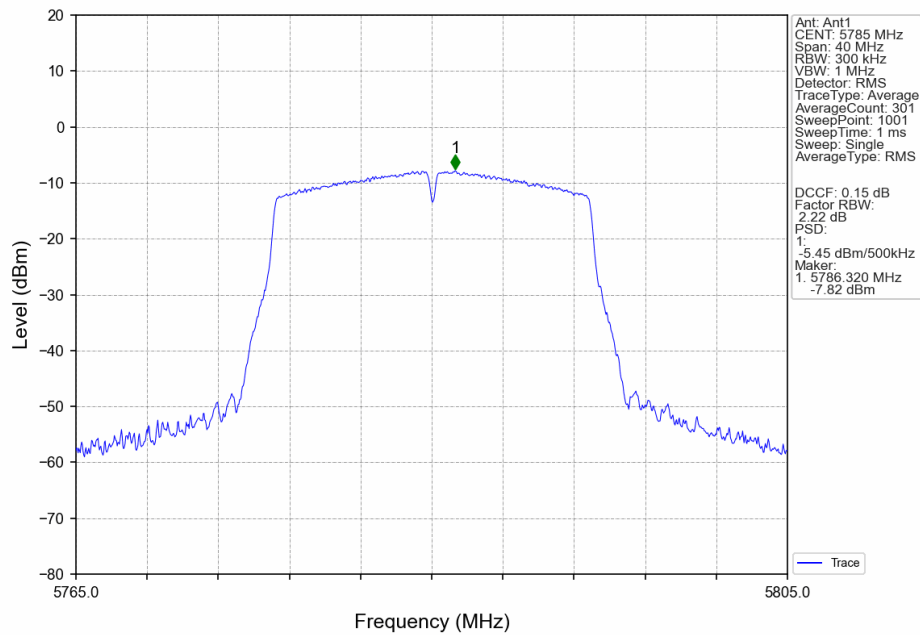
802.11a HCH 5825MHz Ant1 NTN



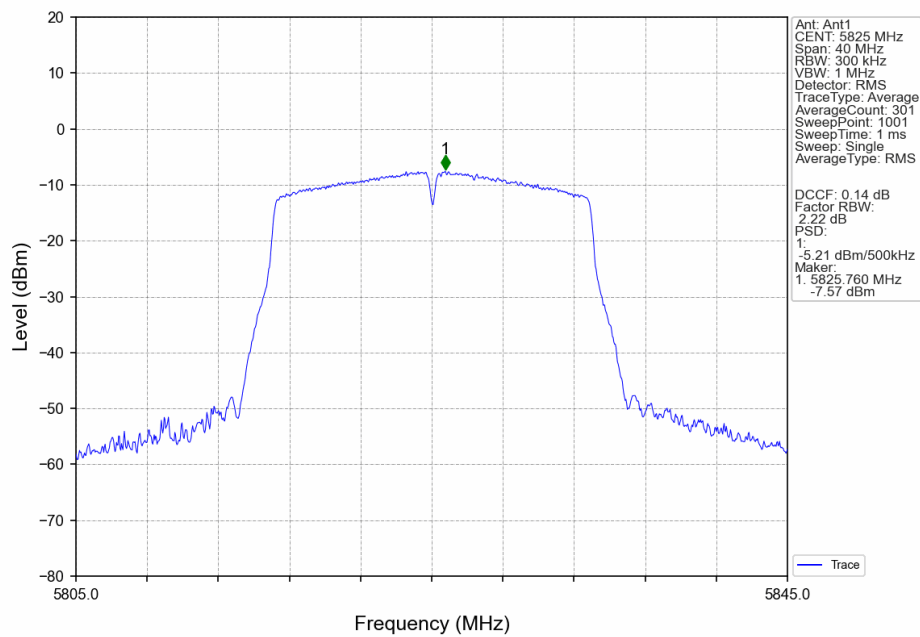
802.11n(HT20) LCH 5745MHz Ant1 NTN



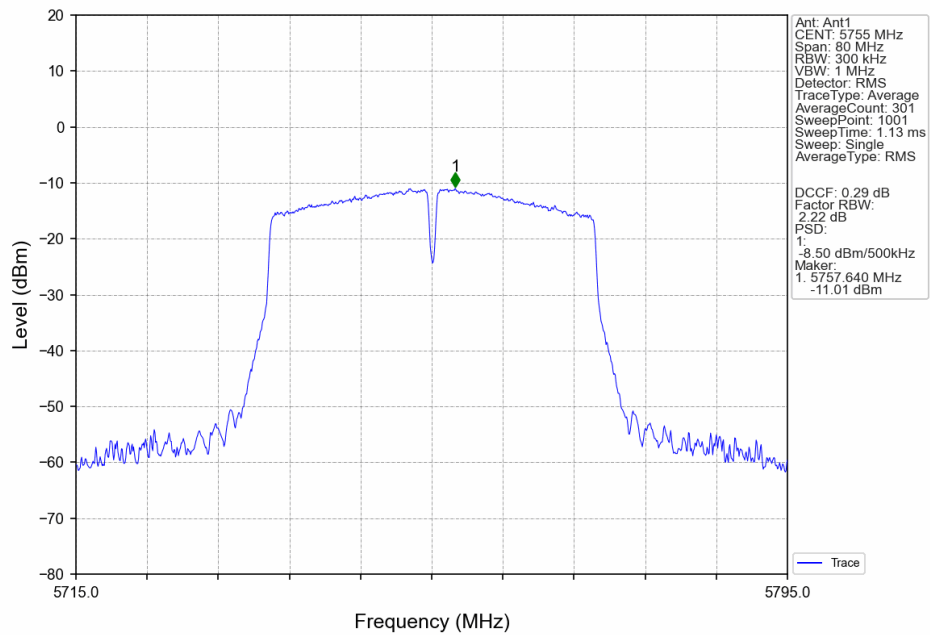
802.11n(HT20) MCH 5785MHz Ant1 NTN



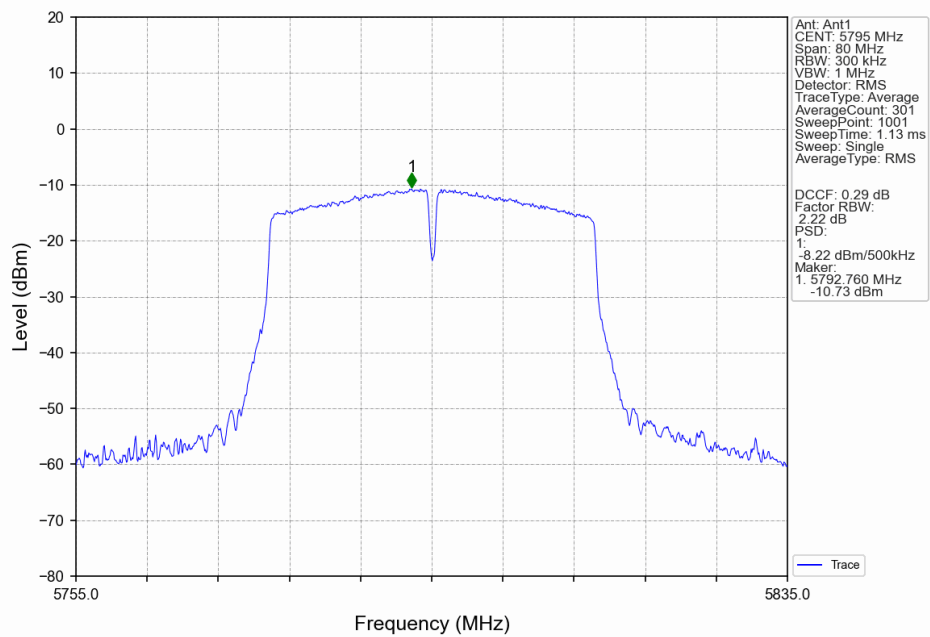
802.11n(HT20) HCH 5825MHz Ant1 NTN



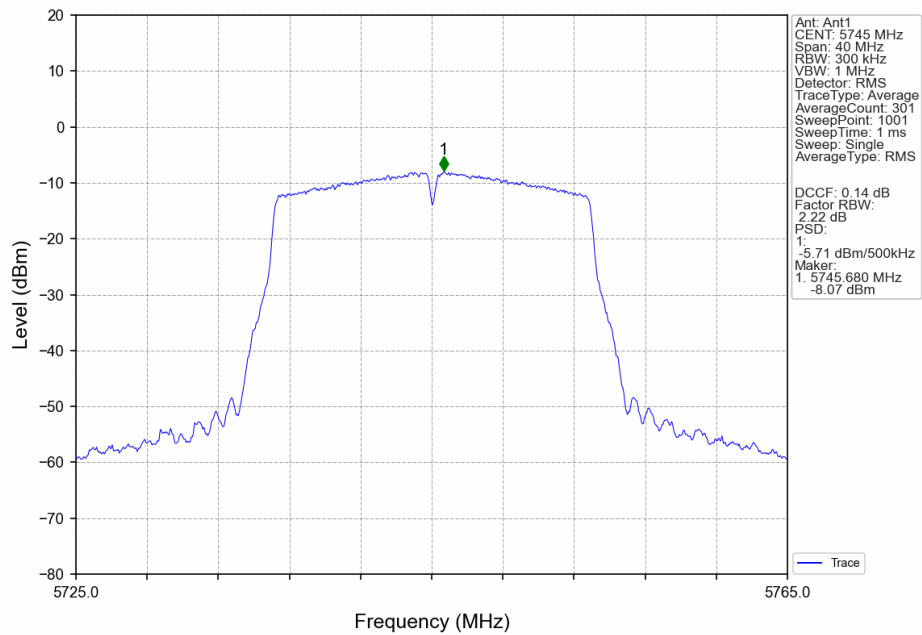
802.11n(HT40) LCH 5755MHz Ant1 NTV



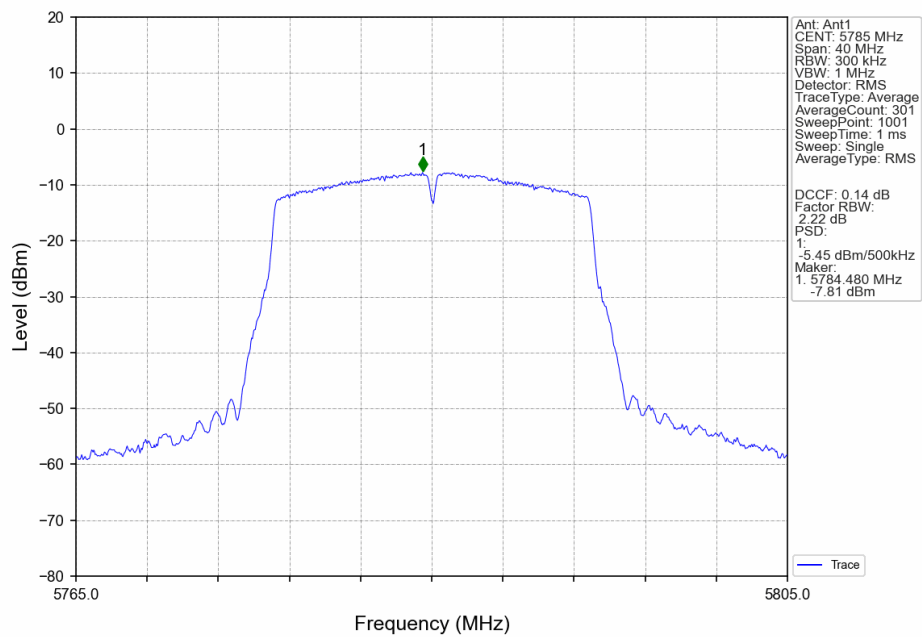
802.11n(HT40) HCH 5795MHz Ant1 NTV



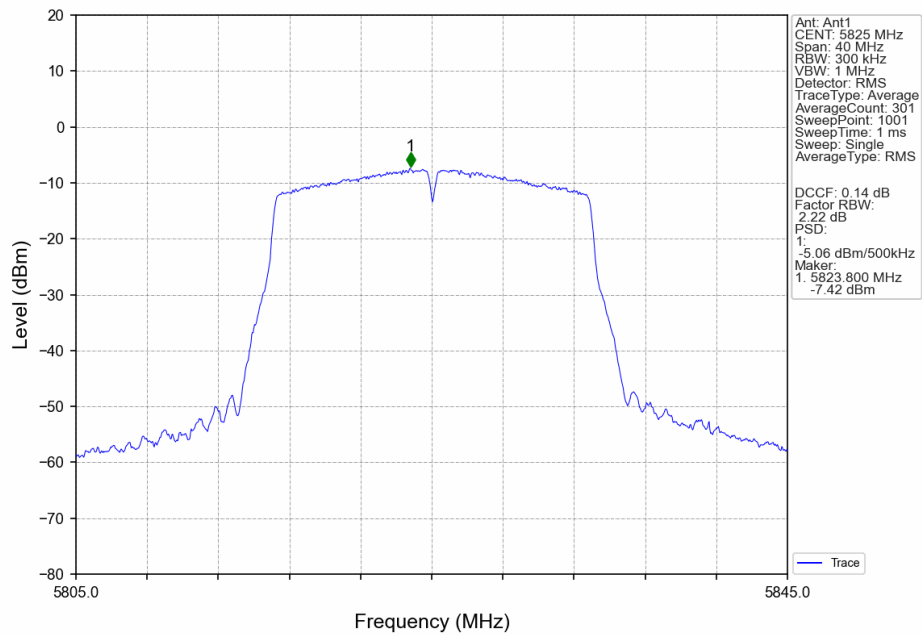
802.11ac(VHT20) LCH 5745MHz Ant1 NTNV



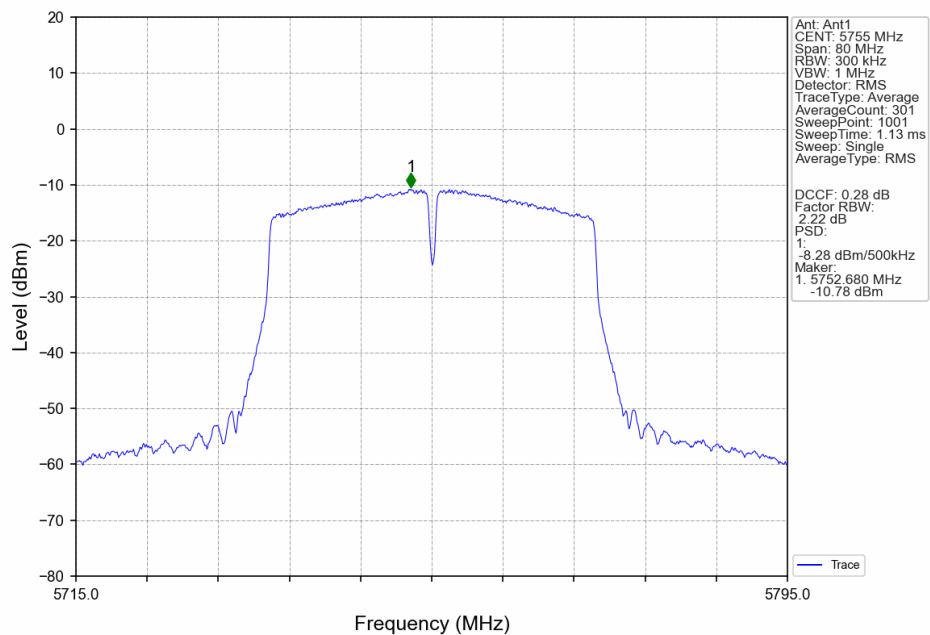
802.11ac(VHT20) MCH 5785MHz Ant1 NTNV



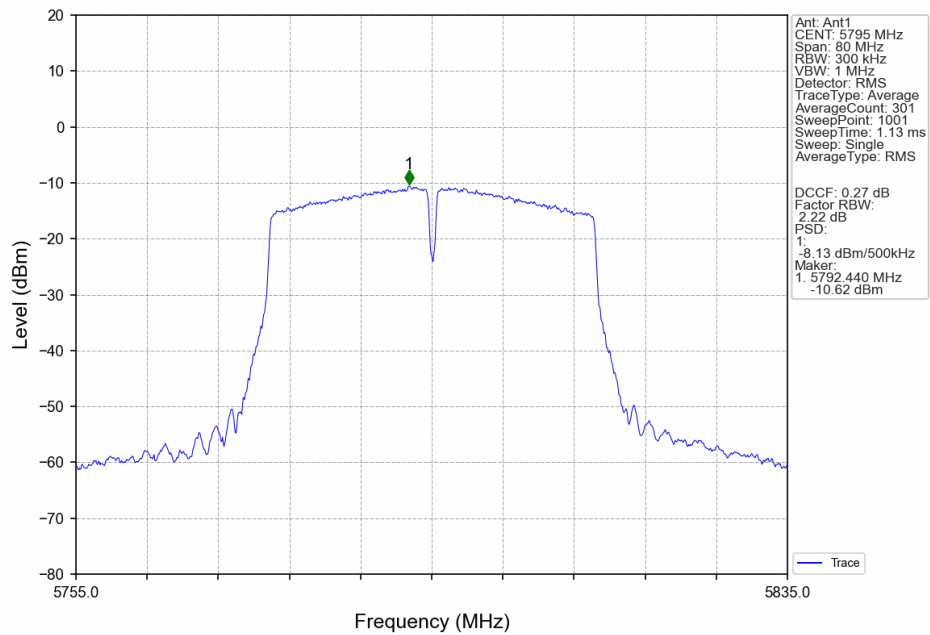
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



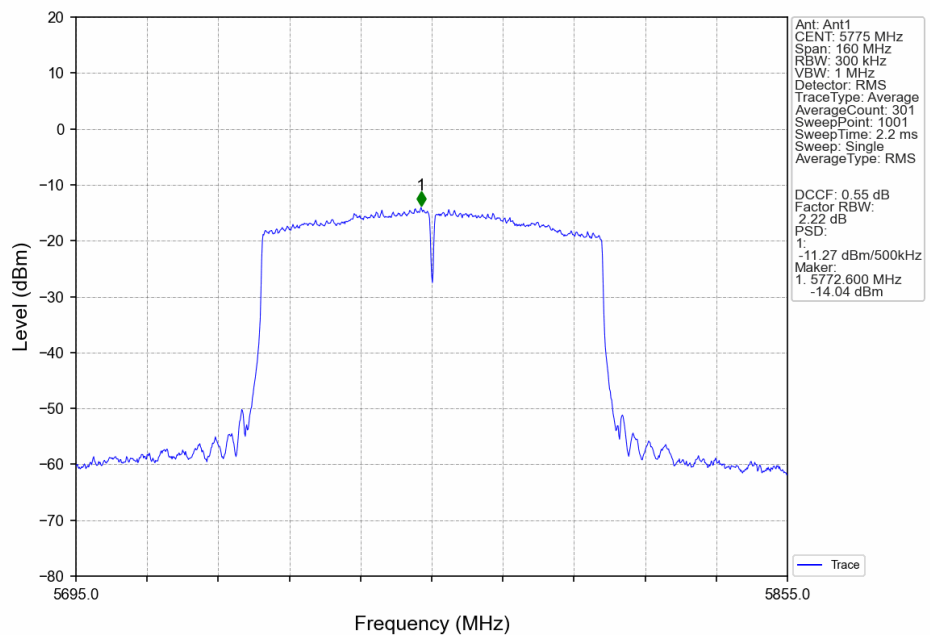
802.11ac(VHT40) LCH 5755MHz Ant1 NTN



802.11ac(VHT40) HCH 5795MHz Ant1 NTN



802.11ac(VHT80) MCH 5775MHz Ant1 NTN



5. Frequency Stability

5.1 Test Result

5.1.1 Ant1

Ant1							
Mode	Tx Type	Frequency (MHz)	Temperature (°C)	Voltage	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5180	20	LV	5180.000	5150 to 5250	Pass
				NV	5180.000	5150 to 5250	Pass
				HV	5180.000	5150 to 5250	Pass
			-30	NV	5180.000	5150 to 5250	Pass
			-20	NV	5180.000	5150 to 5250	Pass
			-10	NV	5180.001	5150 to 5250	Pass
			0	NV	5180.001	5150 to 5250	Pass
			10	NV	5180.001	5150 to 5250	Pass
			30	NV	5180.490	5150 to 5250	Pass
			40	NV	5180.169	5150 to 5250	Pass
			50	NV	5180.053	5150 to 5250	Pass
		5200	20	LV	5199.999	5150 to 5250	Pass
				NV	5199.999	5150 to 5250	Pass
				HV	5199.999	5150 to 5250	Pass
			-30	NV	5200.000	5150 to 5250	Pass
			-20	NV	5200.000	5150 to 5250	Pass
			-10	NV	5200.000	5150 to 5250	Pass
			0	NV	5200.000	5150 to 5250	Pass
			10	NV	5200.000	5150 to 5250	Pass
			30	NV	5200.000	5150 to 5250	Pass
			40	NV	5200.000	5150 to 5250	Pass
			50	NV	5200.000	5150 to 5250	Pass
		5240	20	LV	5240.000	5150 to 5250	Pass
				NV	5240.000	5150 to 5250	Pass
				HV	5240.000	5150 to 5250	Pass
			-30	NV	5240.000	5150 to 5250	Pass
			-20	NV	5240.000	5150 to 5250	Pass
			-10	NV	5240.000	5150 to 5250	Pass
			0	NV	5240.000	5150 to 5250	Pass
			10	NV	5240.000	5150 to 5250	Pass
			30	NV	5240.000	5150 to 5250	Pass
			40	NV	5240.000	5150 to 5250	Pass
			50	NV	5240.000	5150 to 5250	Pass
		5745	20	LV	5745.000	5725 to 5850	Pass
				NV	5745.000	5725 to 5850	Pass
				HV	5745.000	5725 to 5850	Pass
			-30	NV	5745.000	5725 to 5850	Pass
			-20	NV	5745.000	5725 to 5850	Pass
			-10	NV	5745.000	5725 to 5850	Pass
			0	NV	5745.000	5725 to 5850	Pass
			10	NV	5745.000	5725 to 5850	Pass
			30	NV	5745.001	5725 to 5850	Pass
			40	NV	5745.001	5725 to 5850	Pass
			50	NV	5745.001	5725 to 5850	Pass
		5785	20	LV	5785.000	5725 to 5850	Pass
				NV	5785.000	5725 to 5850	Pass

				HV	5785.000	5725 to 5850	Pass
			-30	NV	5785.001	5725 to 5850	Pass
			-20	NV	5785.001	5725 to 5850	Pass
			-10	NV	5785.001	5725 to 5850	Pass
			0	NV	5785.001	5725 to 5850	Pass
			10	NV	5785.001	5725 to 5850	Pass
			30	NV	5785.001	5725 to 5850	Pass
			40	NV	5785.001	5725 to 5850	Pass
			50	NV	5785.001	5725 to 5850	Pass
		5825	20	LV	5824.746	5725 to 5850	Pass
				NV	5824.627	5725 to 5850	Pass
				HV	5824.621	5725 to 5850	Pass
			-30	NV	5825.304	5725 to 5850	Pass
			-20	NV	5824.623	5725 to 5850	Pass
			-10	NV	5824.697	5725 to 5850	Pass
			0	NV	5825.378	5725 to 5850	Pass
			10	NV	5825.000	5725 to 5850	Pass
			30	NV	5824.999	5725 to 5850	Pass
			40	NV	5825.000	5725 to 5850	Pass
			50	NV	5825.000	5725 to 5850	Pass
		5190	20	LV	5190.000	5150 to 5250	Pass
				NV	5190.000	5150 to 5250	Pass
				HV	5190.000	5150 to 5250	Pass
			-30	NV	5190.000	5150 to 5250	Pass
			-20	NV	5190.000	5150 to 5250	Pass
			-10	NV	5190.000	5150 to 5250	Pass
			0	NV	5190.000	5150 to 5250	Pass
			10	NV	5190.000	5150 to 5250	Pass
			30	NV	5190.001	5150 to 5250	Pass
			40	NV	5190.001	5150 to 5250	Pass
			50	NV	5189.623	5150 to 5250	Pass
		5230	20	LV	5230.500	5150 to 5250	Pass
				NV	5229.503	5150 to 5250	Pass
				HV	5230.497	5150 to 5250	Pass
			-30	NV	5230.499	5150 to 5250	Pass
			-20	NV	5229.500	5150 to 5250	Pass
			-10	NV	5230.500	5150 to 5250	Pass
			0	NV	5229.500	5150 to 5250	Pass
			10	NV	5229.500	5150 to 5250	Pass
			30	NV	5230.496	5150 to 5250	Pass
			40	NV	5229.504	5150 to 5250	Pass
			50	NV	5229.501	5150 to 5250	Pass
		5755	20	LV	5754.500	5725 to 5850	Pass
				NV	5754.504	5725 to 5850	Pass
				HV	5755.499	5725 to 5850	Pass
			-30	NV	5755.498	5725 to 5850	Pass
			-20	NV	5755.500	5725 to 5850	Pass
			-10	NV	5755.499	5725 to 5850	Pass
			0	NV	5755.498	5725 to 5850	Pass
			10	NV	5755.497	5725 to 5850	Pass
			30	NV	5754.500	5725 to 5850	Pass
			40	NV	5754.500	5725 to 5850	Pass
			50	NV	5755.500	5725 to 5850	Pass
		5795	20	LV	5795.500	5725 to 5850	Pass
				NV	5794.504	5725 to 5850	Pass
				HV	5794.503	5725 to 5850	Pass
			-30	NV	5794.500	5725 to 5850	Pass
			-20	NV	5794.501	5725 to 5850	Pass
			-10	NV	5794.500	5725 to 5850	Pass



			0	NV	5794.500	5725 to 5850	Pass
			10	NV	5795.499	5725 to 5850	Pass
			30	NV	5794.500	5725 to 5850	Pass
			40	NV	5795.498	5725 to 5850	Pass
			50	NV	5795.498	5725 to 5850	Pass
		5210	20	LV	5209.500	5150 to 5250	Pass
				NV	5209.500	5150 to 5250	Pass
				HV	5209.500	5150 to 5250	Pass
			-30	NV	5209.500	5150 to 5250	Pass
			-20	NV	5209.500	5150 to 5250	Pass
			-10	NV	5209.500	5150 to 5250	Pass
			0	NV	5209.500	5150 to 5250	Pass
			10	NV	5209.500	5150 to 5250	Pass
			30	NV	5209.500	5150 to 5250	Pass
			40	NV	5209.500	5150 to 5250	Pass
			50	NV	5209.500	5150 to 5250	Pass
		5775	20	LV	5774.500	5725 to 5850	Pass
				NV	5774.500	5725 to 5850	Pass
				HV	5774.500	5725 to 5850	Pass
			-30	NV	5774.500	5725 to 5850	Pass
			-20	NV	5774.500	5725 to 5850	Pass
			-10	NV	5774.500	5725 to 5850	Pass
			0	NV	5774.500	5725 to 5850	Pass
			10	NV	5774.500	5725 to 5850	Pass
			30	NV	5774.500	5725 to 5850	Pass
			40	NV	5774.500	5725 to 5850	Pass
			50	NV	5774.500	5725 to 5850	Pass

***** End of Report *****