

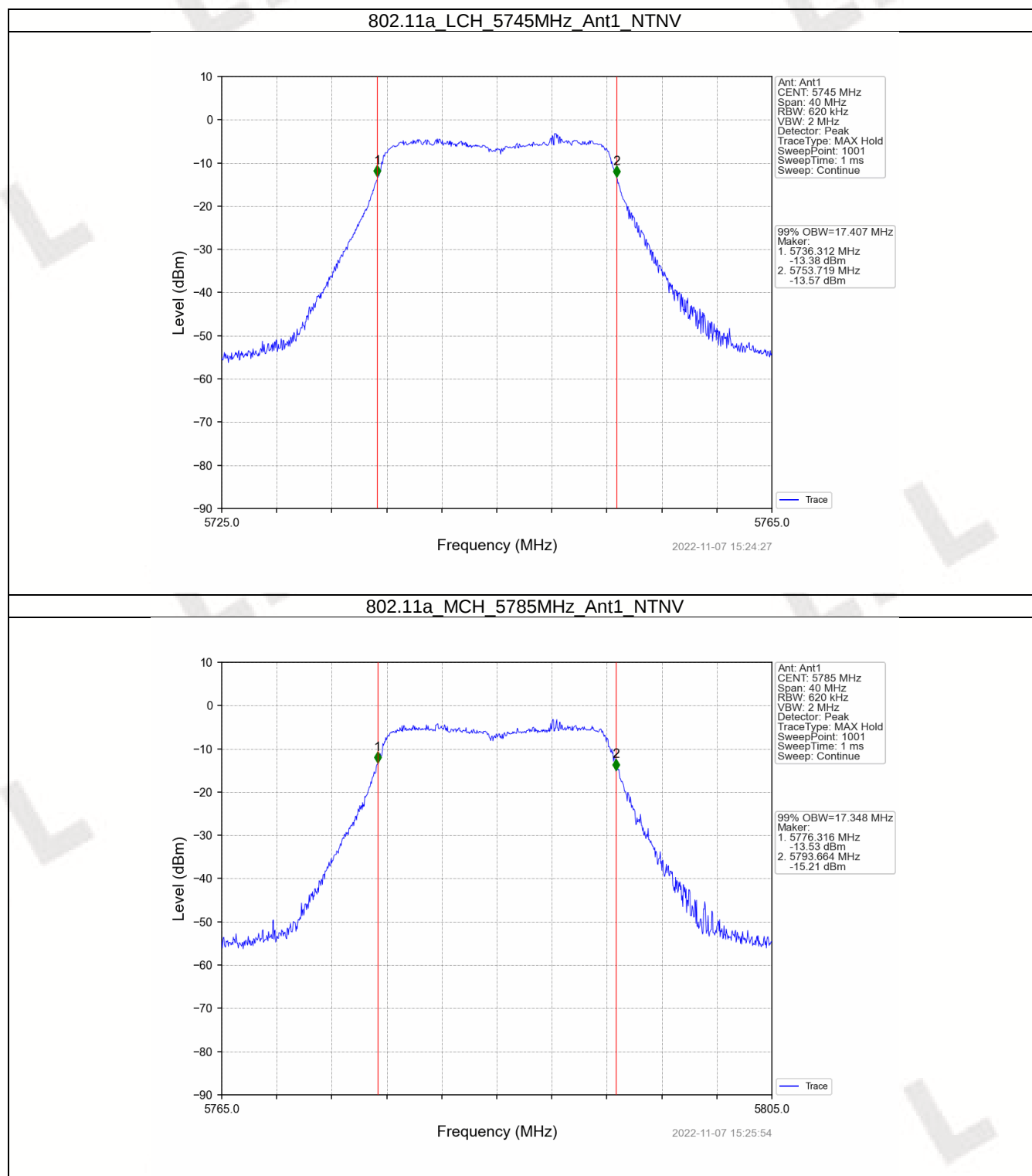
1. Bandwidth

1.1 OBW

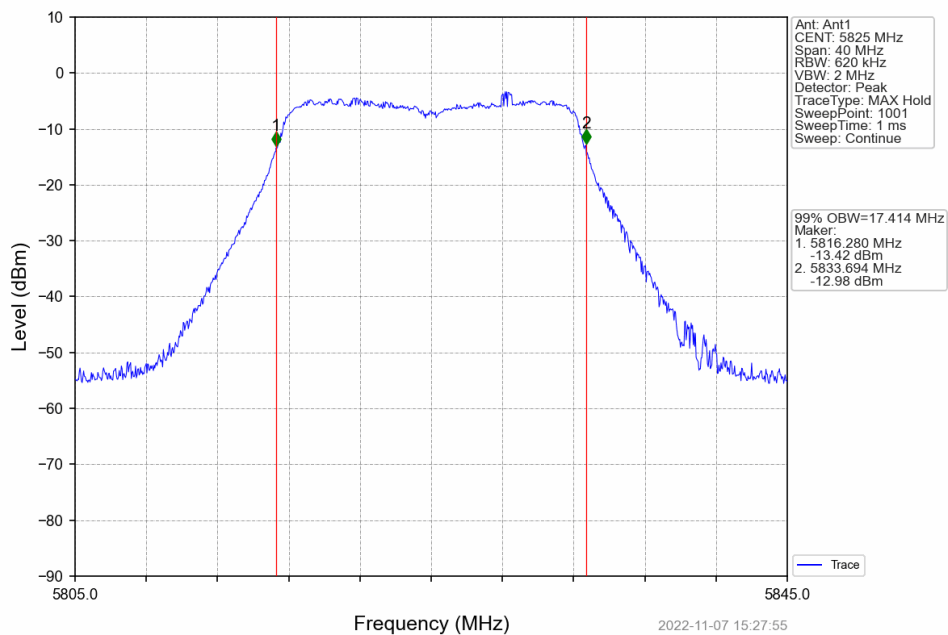
1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5745	1	17.407	Pass
		5785	1	17.348	Pass
		5825	1	17.414	Pass
802.11n (HT20)	SISO	5745	1	18.286	Pass
		5785	1	18.263	Pass
		5825	1	18.253	Pass
802.11n (HT40)	SISO	5755	1	37.042	Pass
		5795	1	36.896	Pass
802.11ac (VHT20)	SISO	5745	1	18.279	Pass
		5785	1	18.300	Pass
		5825	1	18.281	Pass
802.11ac (VHT40)	SISO	5755	1	36.855	Pass
		5795	1	36.904	Pass
802.11ac (VHT80)	SISO	5775	1	76.207	Pass

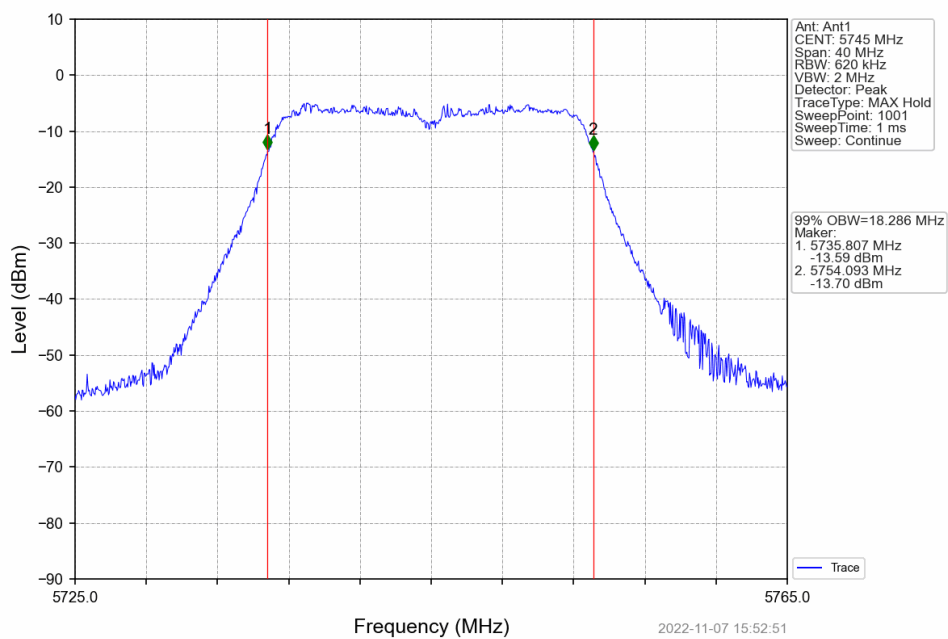
1.1.2 Test Graph



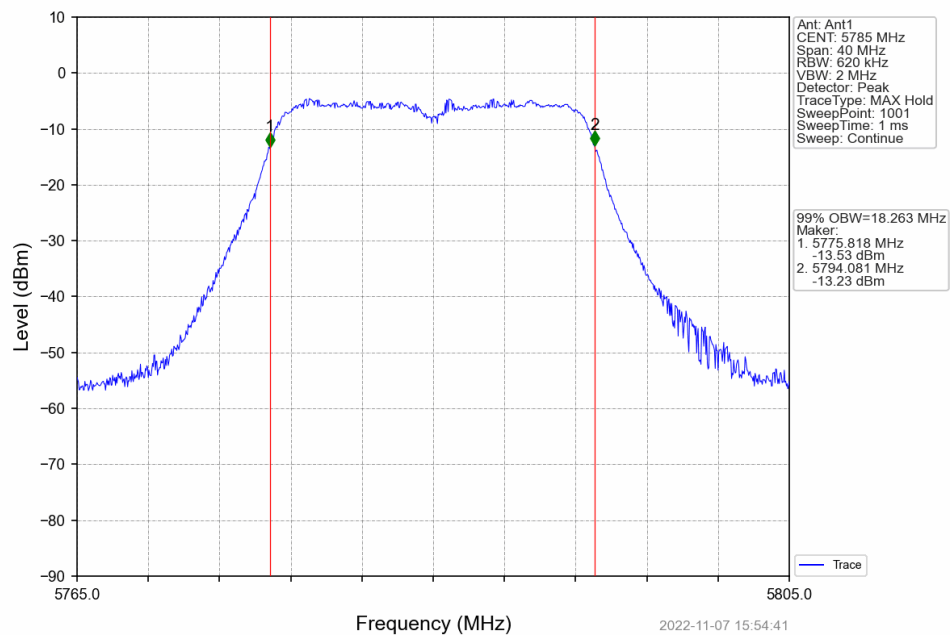
802.11a HCH 5825MHz Ant1 NTN



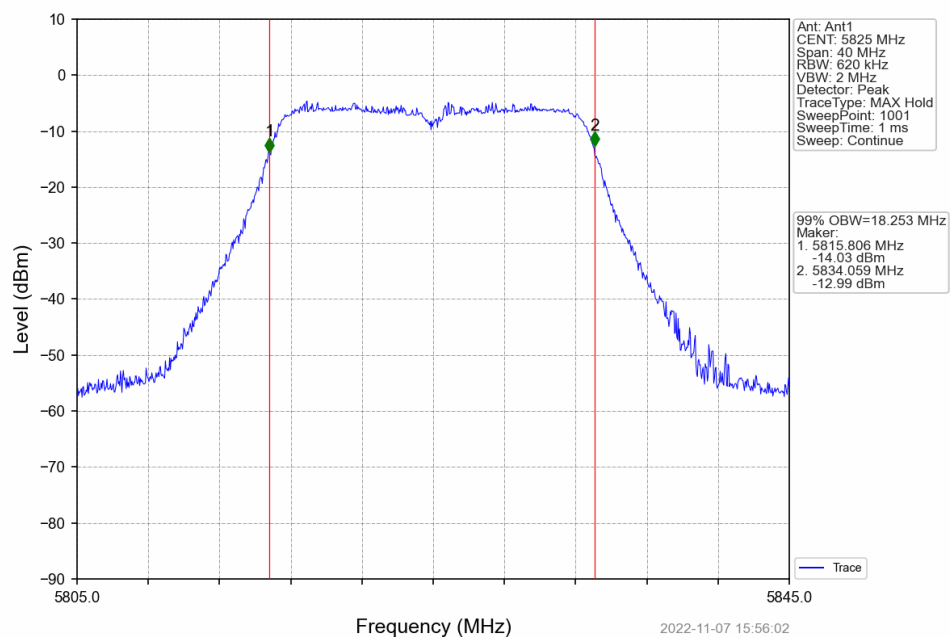
802.11n(HT20) LCH 5745MHz Ant1 NTN



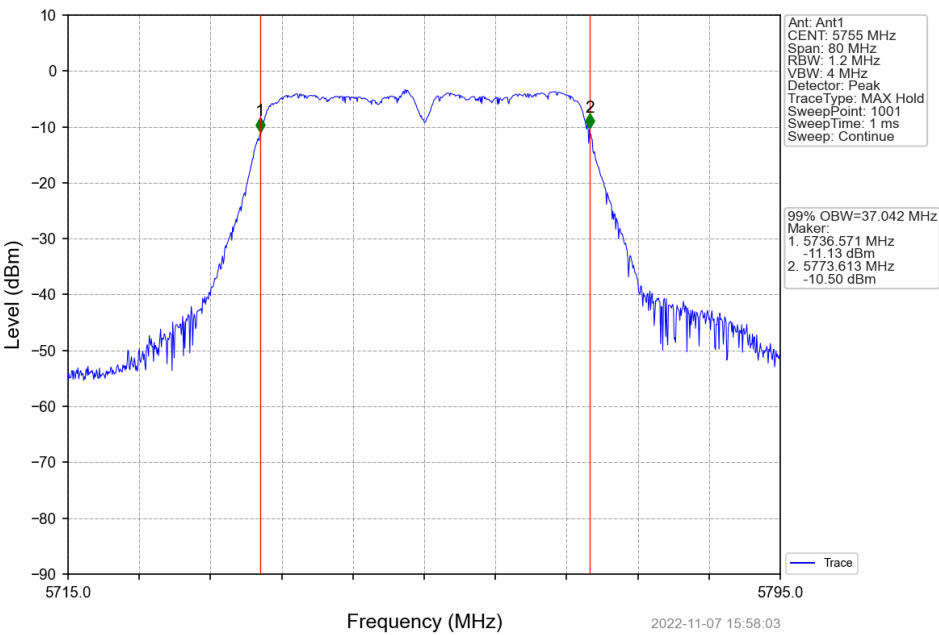
802.11n(HT20) MCH 5785MHz Ant1 NTN



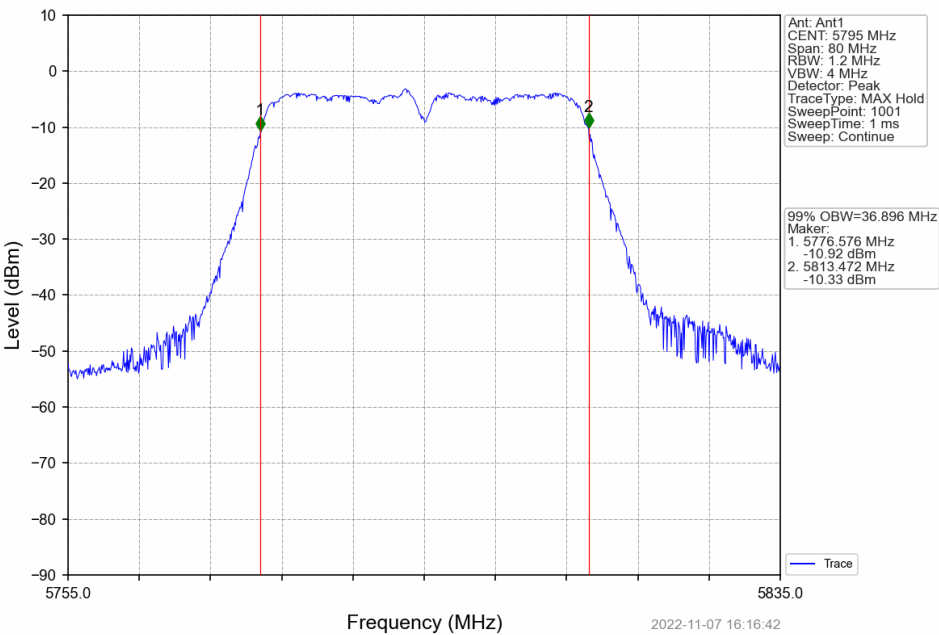
802.11n(HT20)_HCH_5825MHz_Ant1 NTN



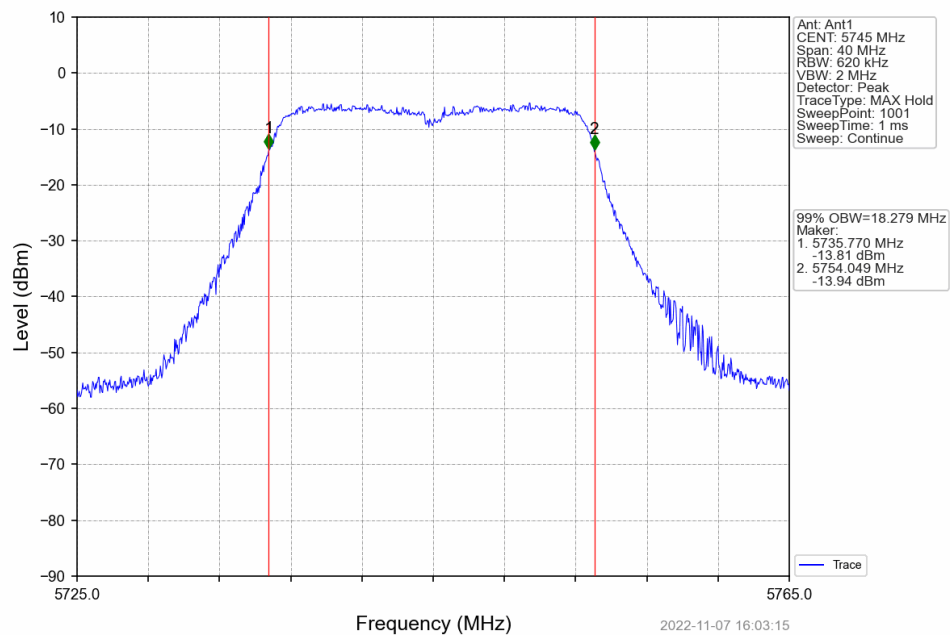
802.11n(HT40) LCH 5755MHz Ant1 NTN



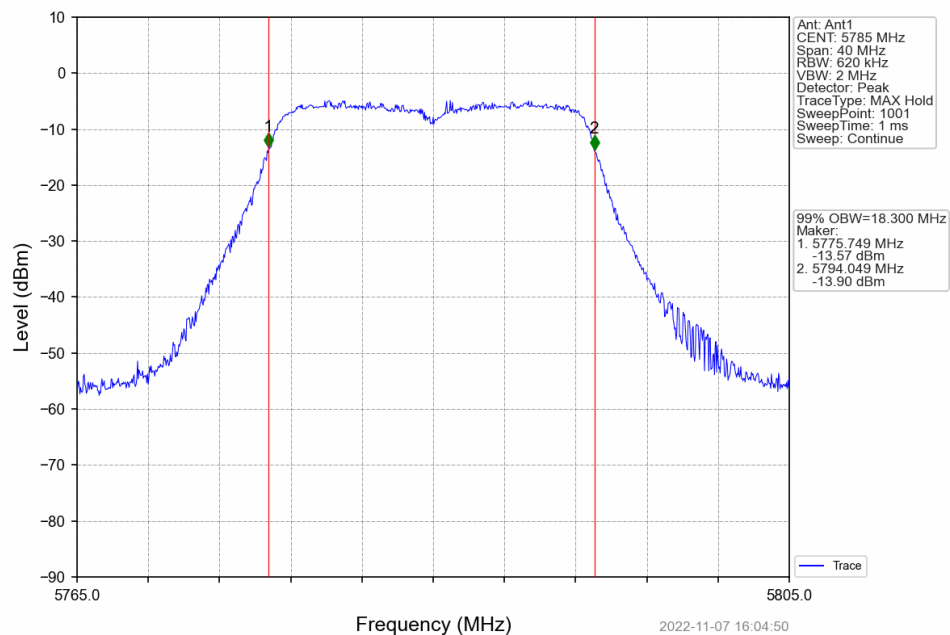
802.11n(HT40)_HCH_5795MHz_Ant1 NTN



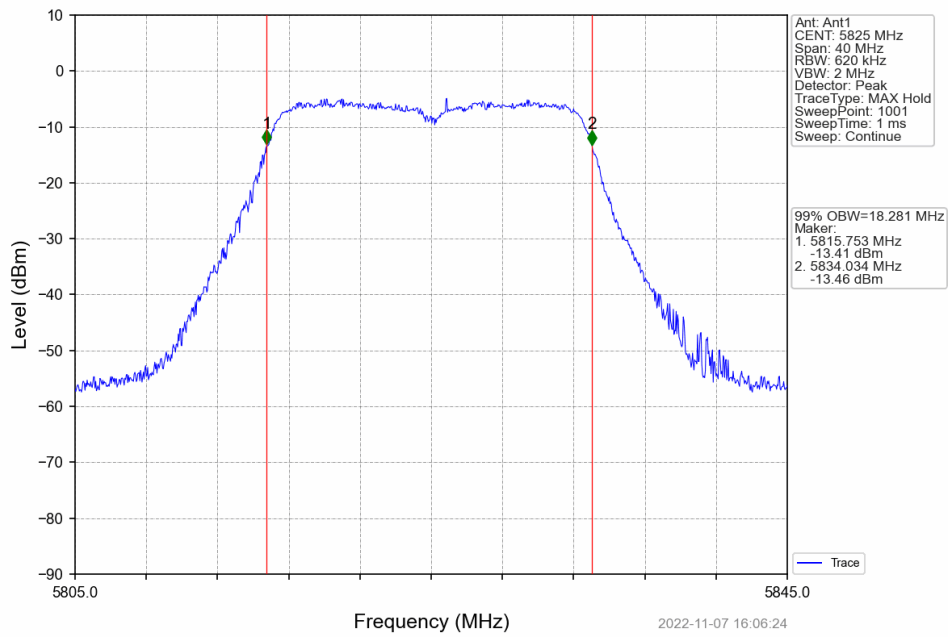
802.11ac(VHT20) LCH 5745MHz Ant1 NTNV



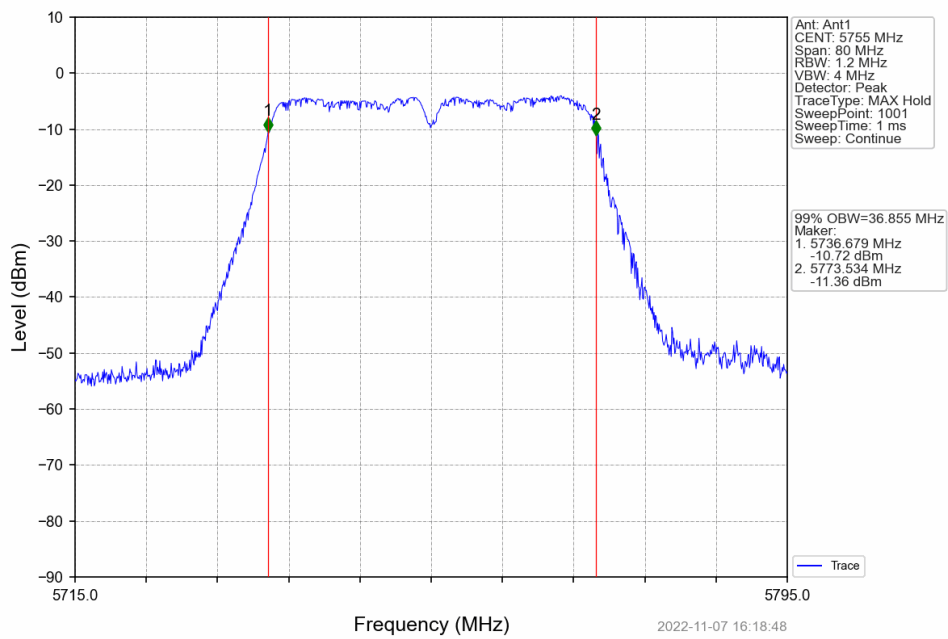
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



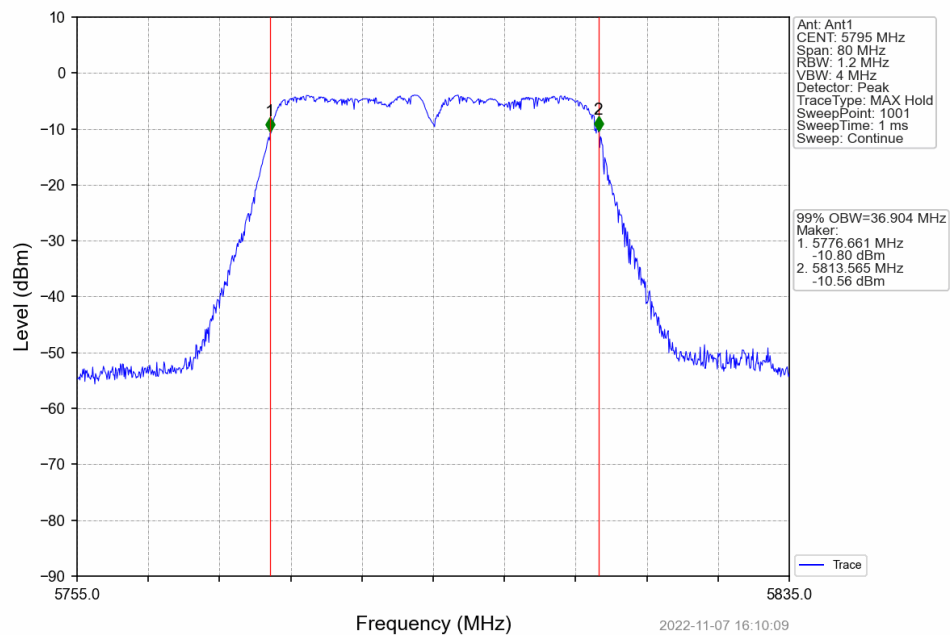
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



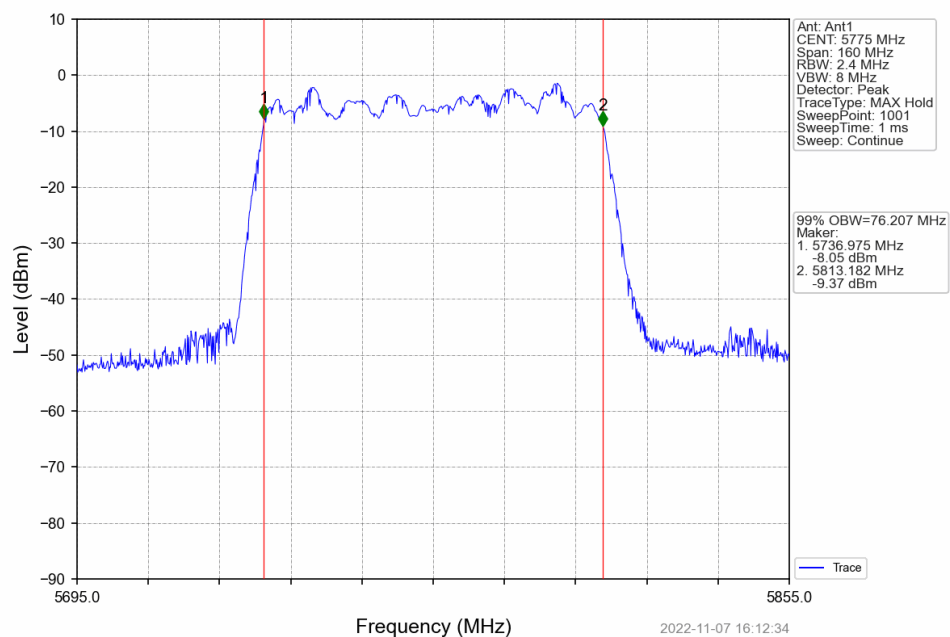
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTN



802.11ac(VHT40) HCH 5795MHz Ant1 NTN



802.11ac(VHT80) MCH 5775MHz Ant1 NTN

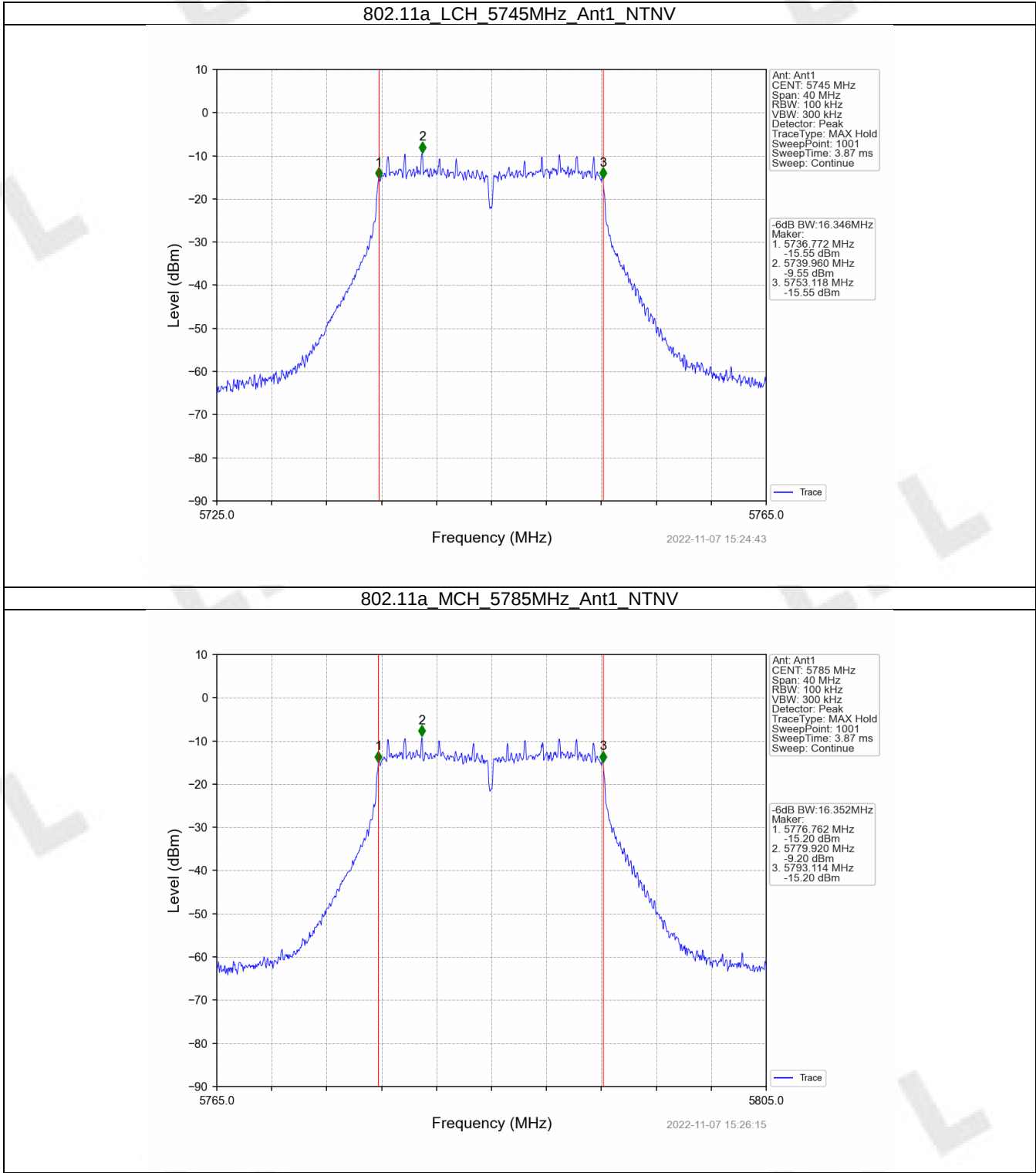


1.2 6dB BW

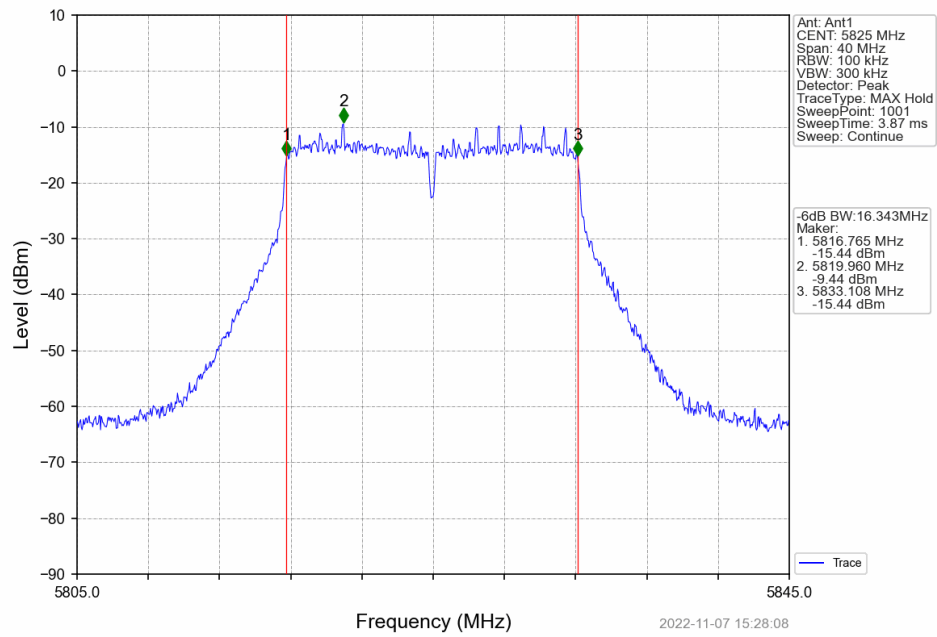
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.346	≥ 0.5	Pass
		5785	1	16.352	≥ 0.5	Pass
		5825	1	16.343	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	1	17.140	≥ 0.5	Pass
		5785	1	16.921	≥ 0.5	Pass
		5825	1	17.092	≥ 0.5	Pass
802.11n (HT40)	SISO	5755	1	35.397	≥ 0.5	Pass
		5795	1	35.500	≥ 0.5	Pass
802.11ac (VHT20)	SISO	5745	1	17.061	≥ 0.5	Pass
		5785	1	17.042	≥ 0.5	Pass
		5825	1	17.106	≥ 0.5	Pass
802.11ac (VHT40)	SISO	5755	1	35.483	≥ 0.5	Pass
		5795	1	35.284	≥ 0.5	Pass
802.11ac (VHT80)	SISO	5775	1	75.168	≥ 0.5	Pass

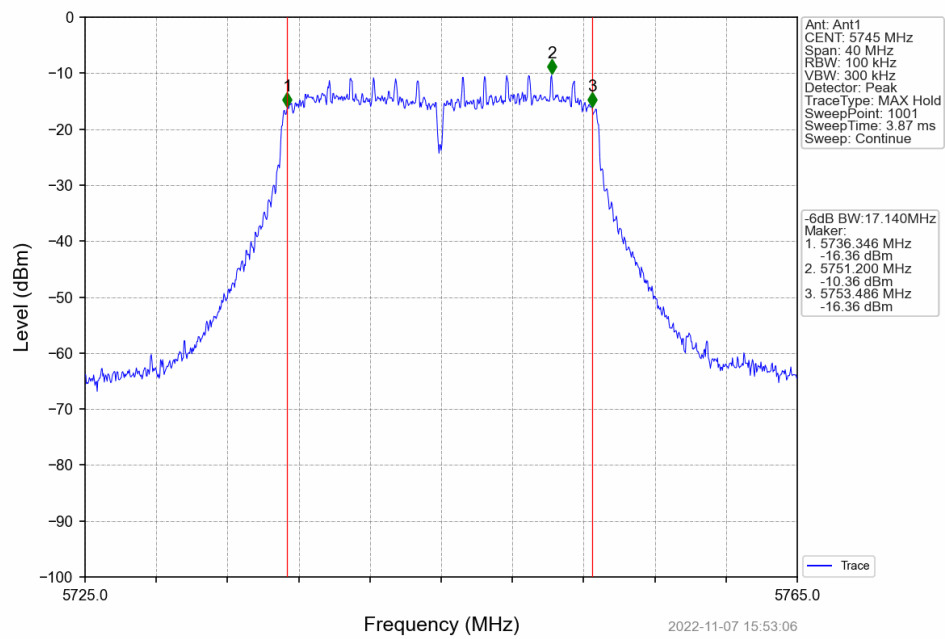
1.2.2 Test Graph



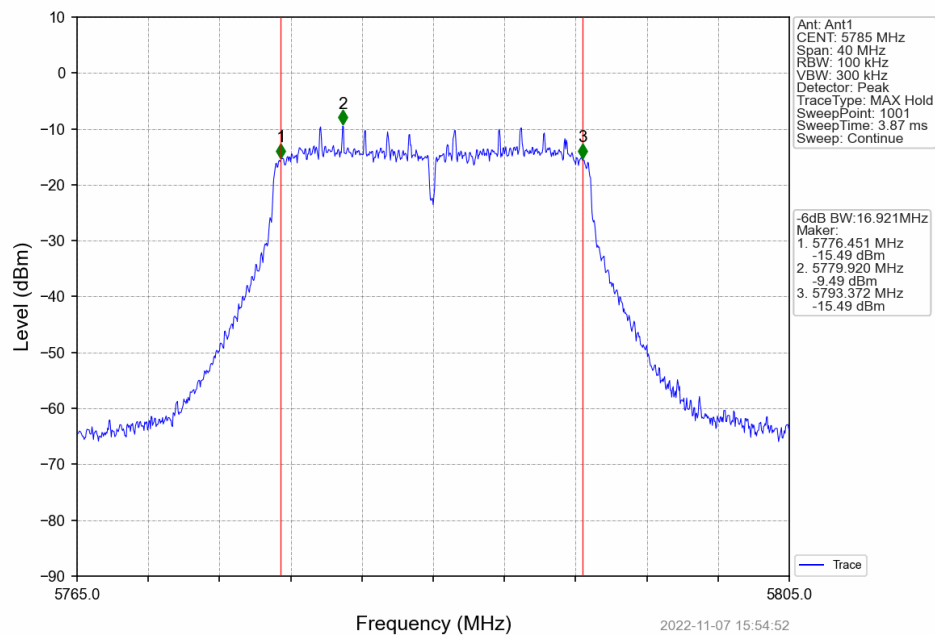
802.11a HCH 5825MHz Ant1 NTN



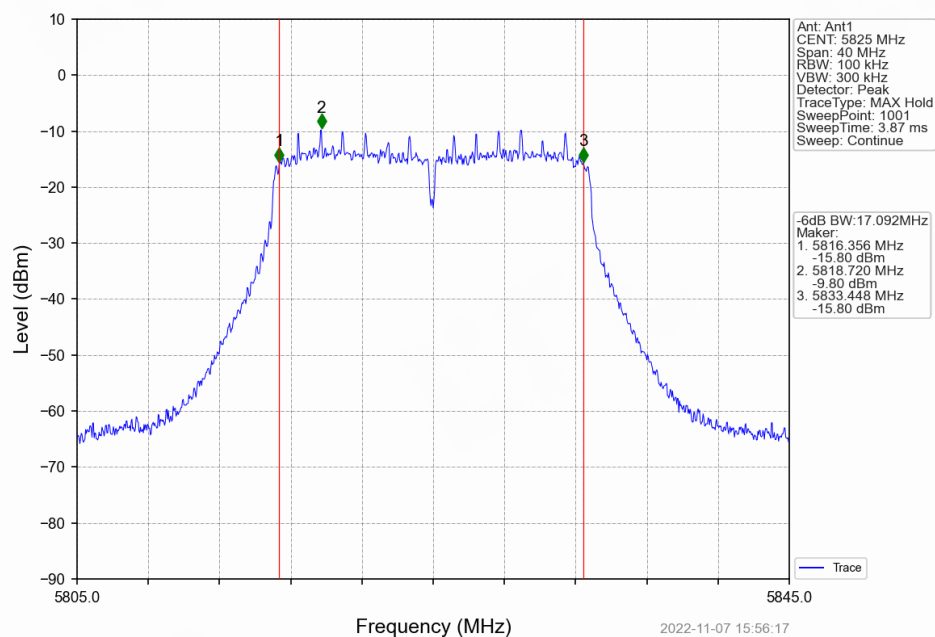
802.11n(HT20) LCH 5745MHz Ant1 NTN



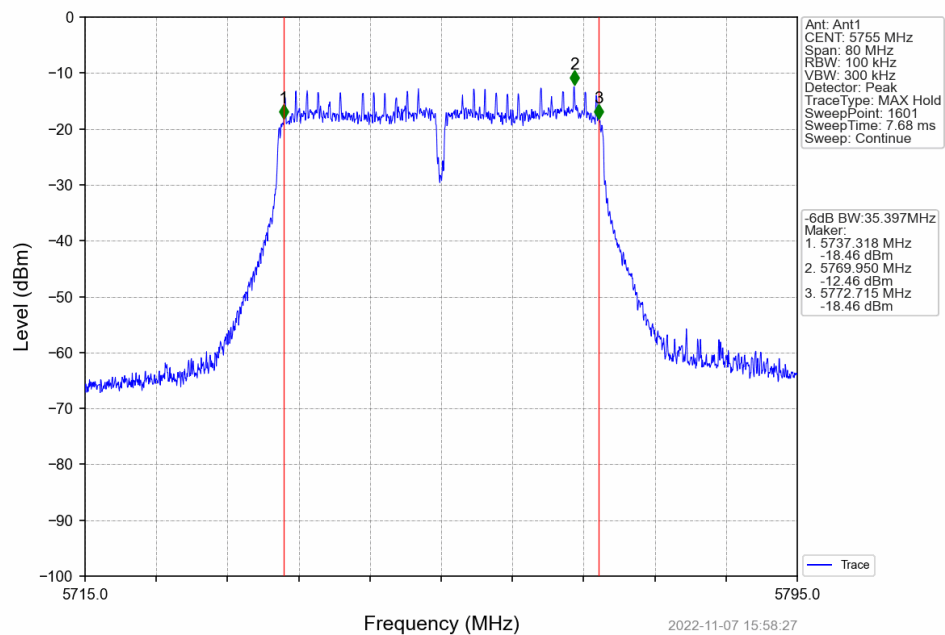
802.11n(HT20) MCH 5785MHz Ant1 NTNV



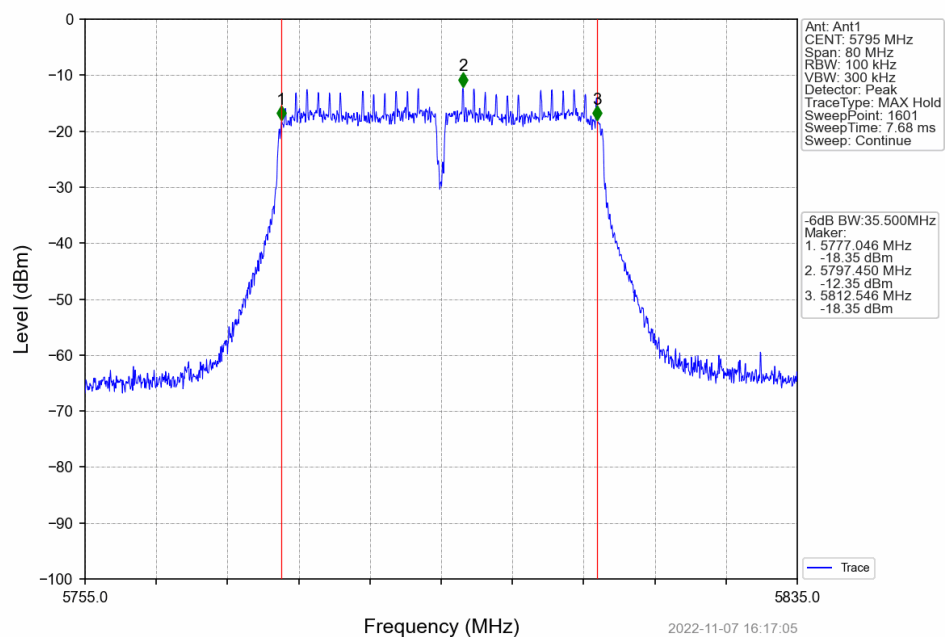
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



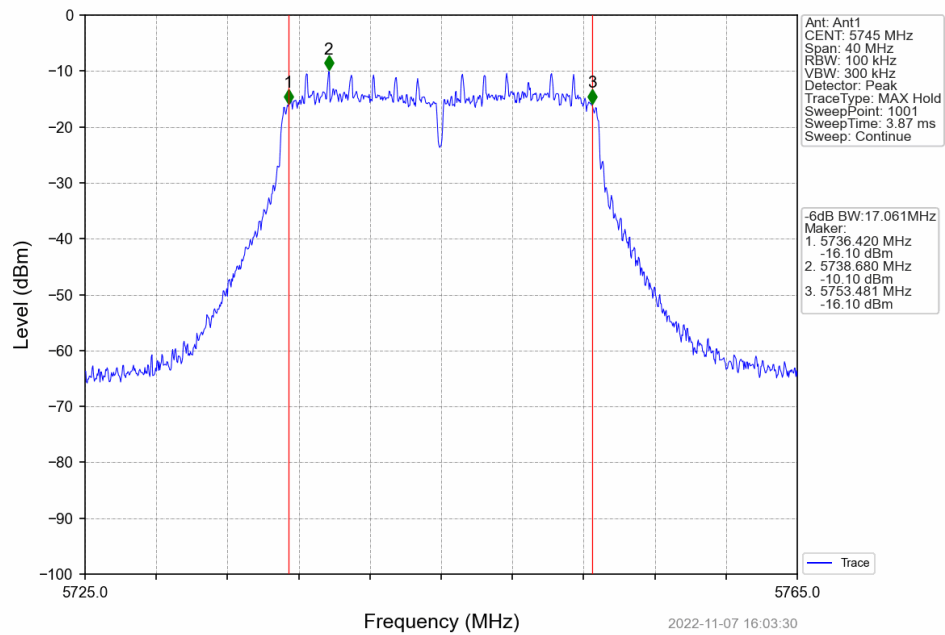
802.11n(HT40) LCH 5755MHz Ant1 NTN



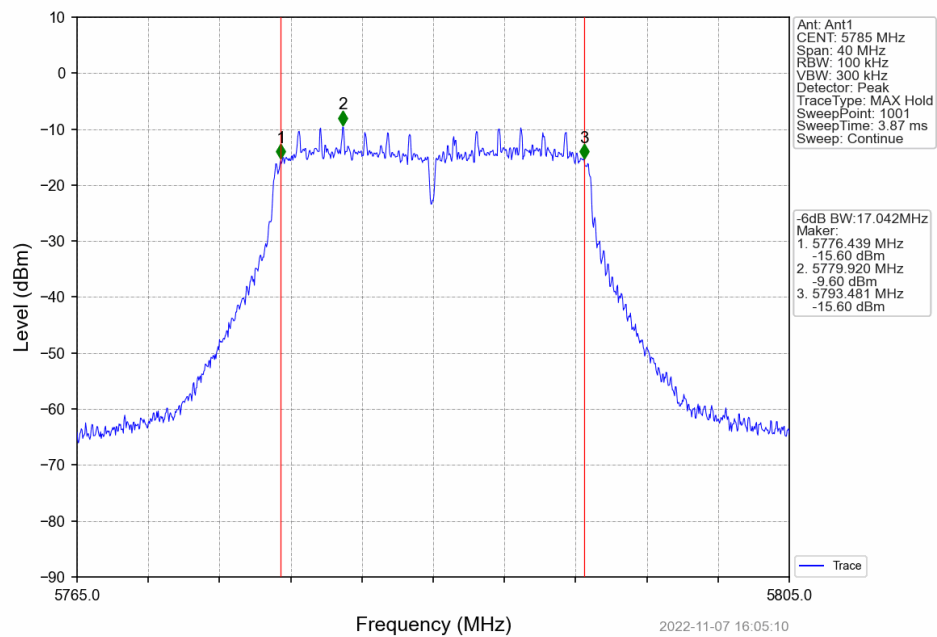
802.11n(HT40)_HCH_5795MHz_Ant1_NTN



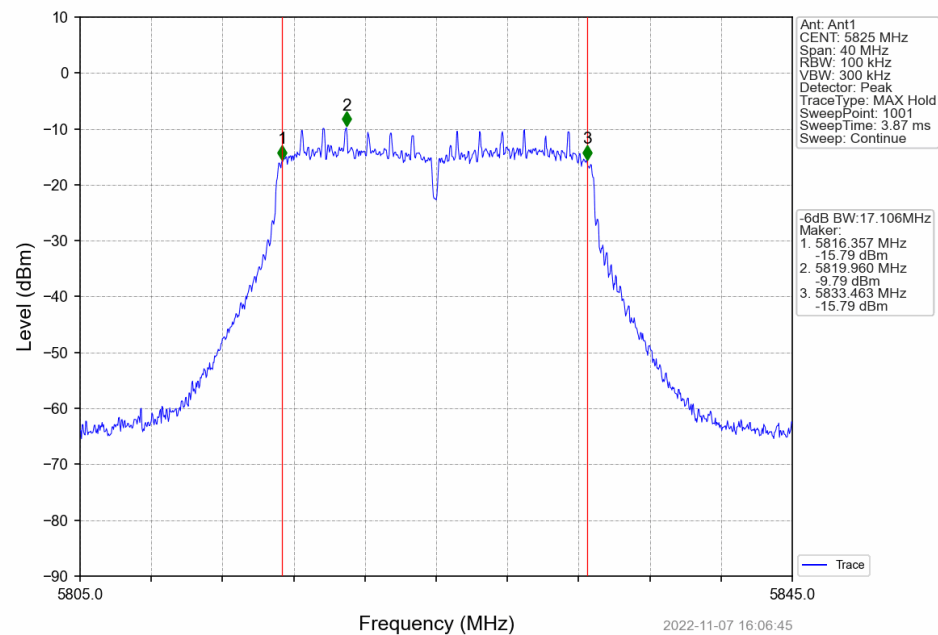
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



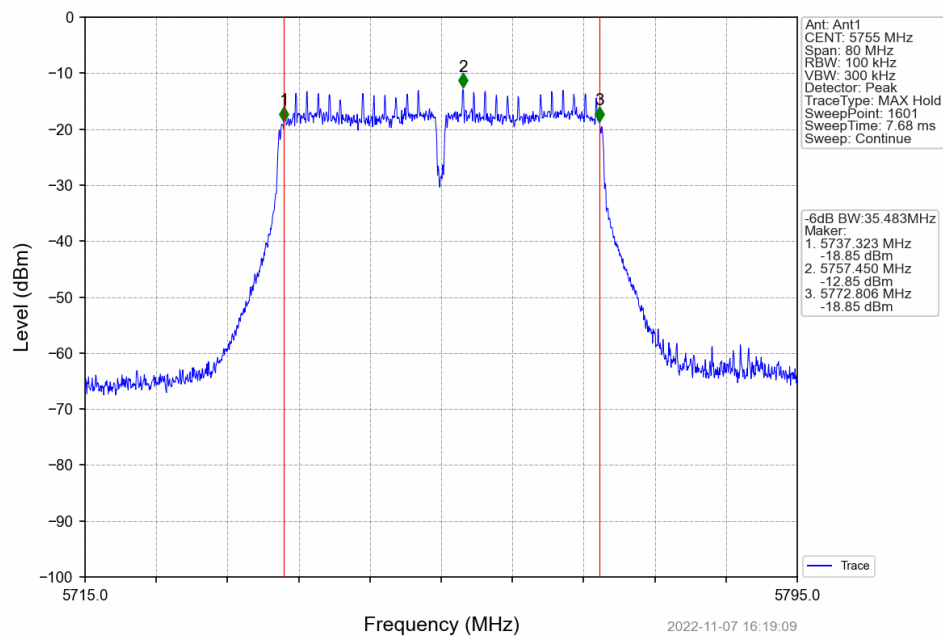
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTN



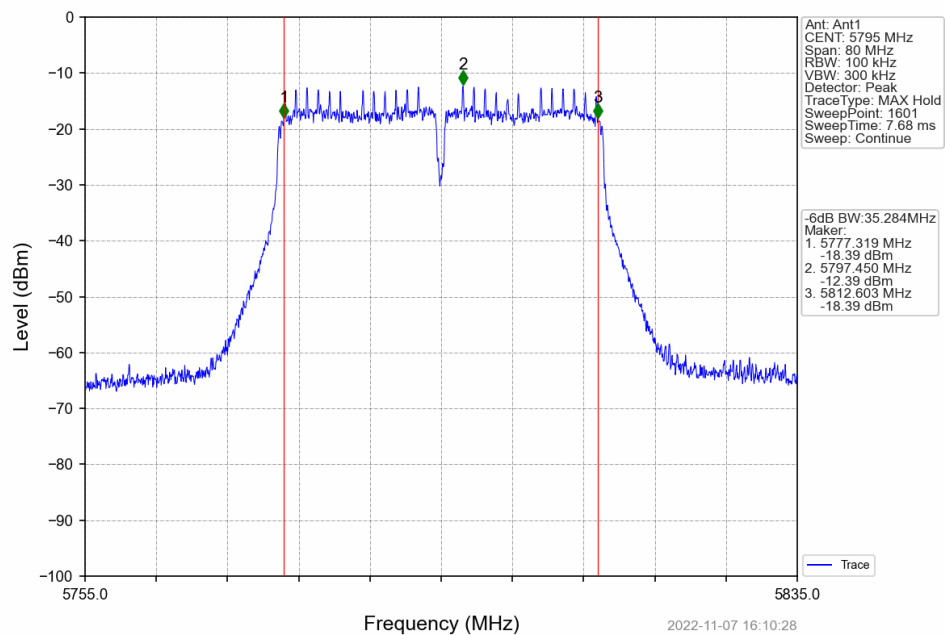
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



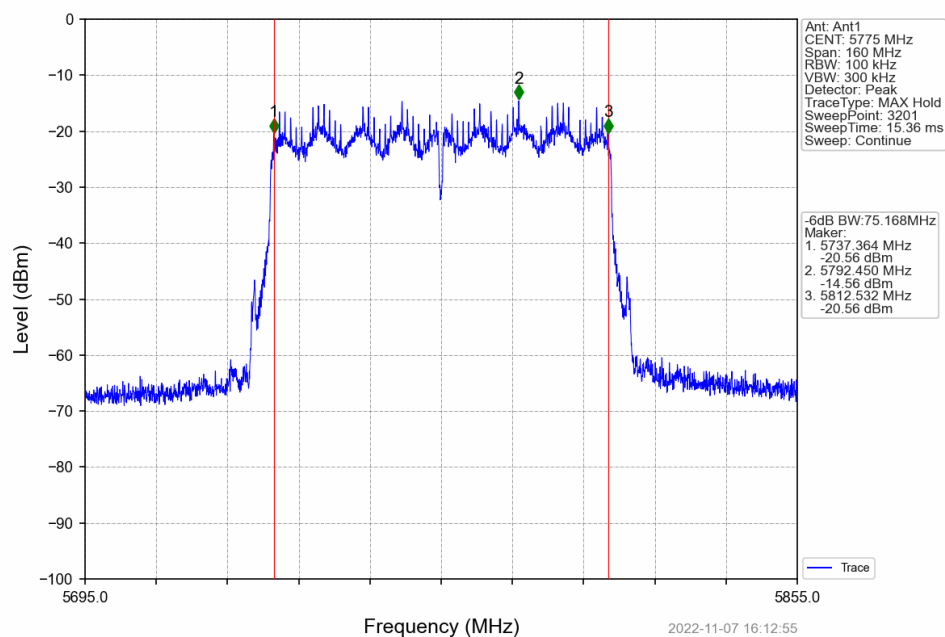
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTN



802.11ac(VHT40) HCH 5795MHz Ant1 NTV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



2. Maximum Conducted Output Power

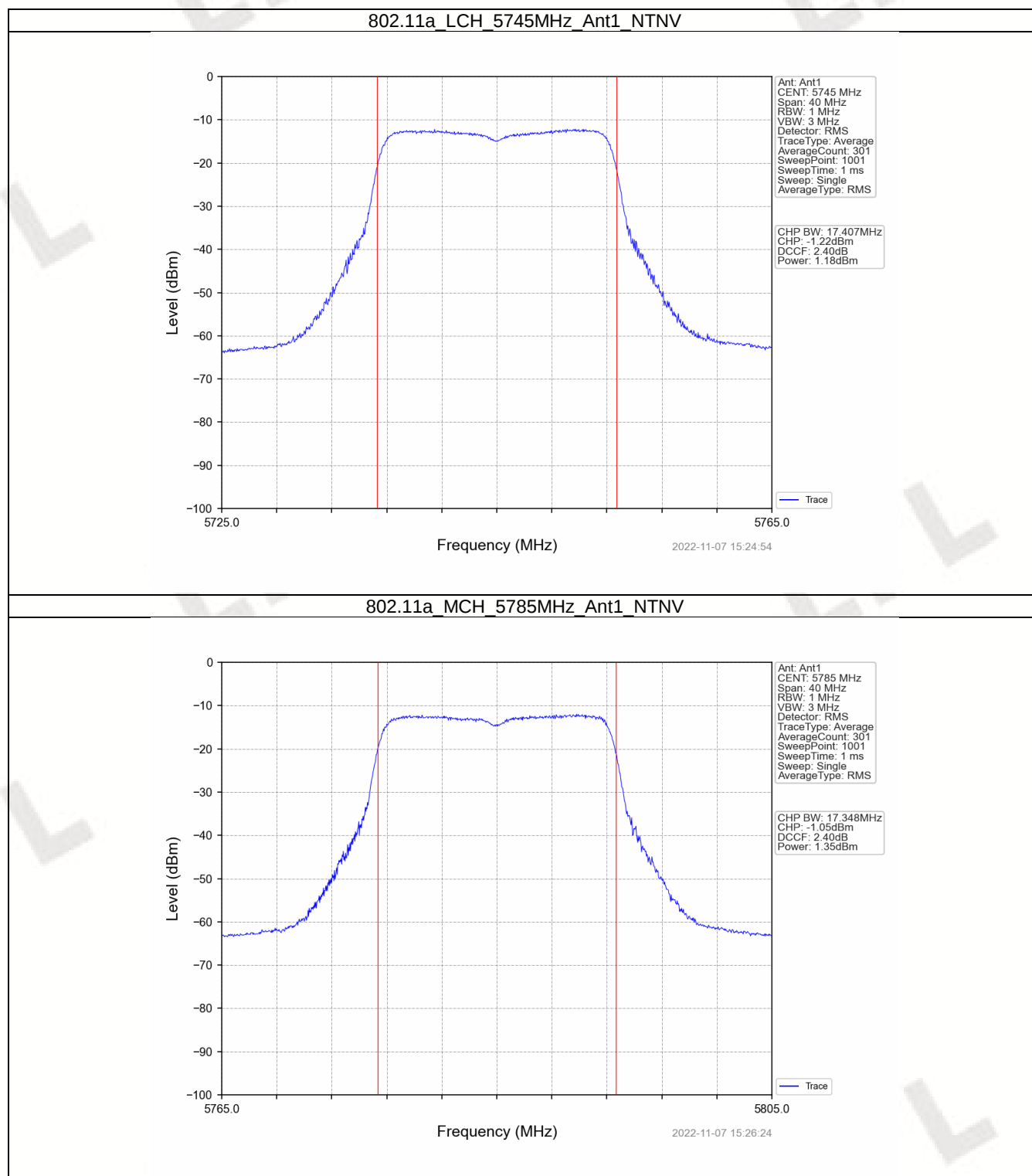
2.1 Power

2.1.1 Test Result

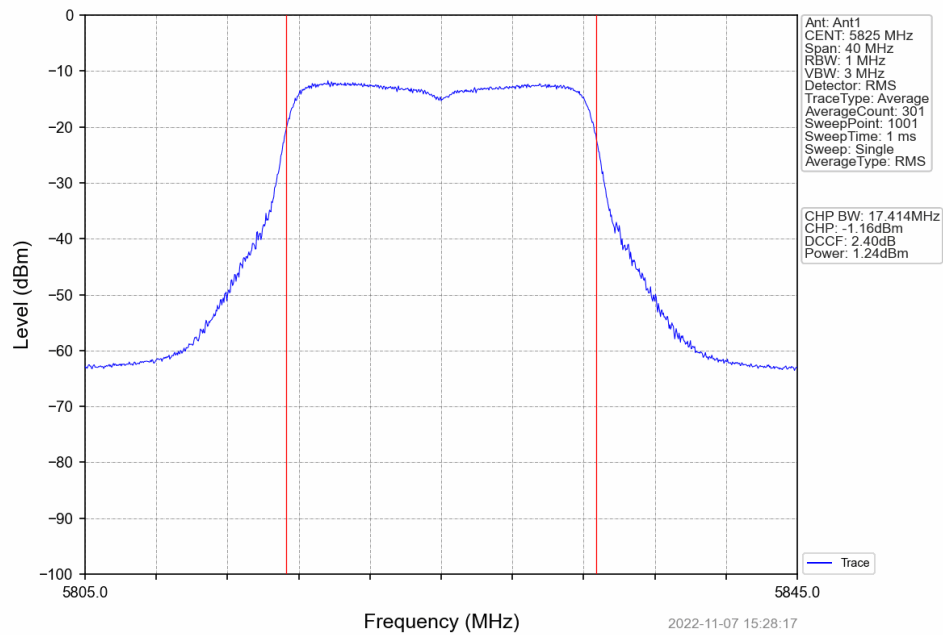
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	1.18	<=30	Pass
		5785	1.35	<=30	Pass
		5825	1.24	<=30	Pass
802.11n (HT20)	SISO	5745	0.81	<=30	Pass
		5785	1.25	<=30	Pass
		5825	1.08	<=30	Pass
802.11n (HT40)	SISO	5755	0.85	<=30	Pass
		5795	0.94	<=30	Pass
802.11ac (VHT20)	SISO	5745	0.83	<=30	Pass
		5785	1.15	<=30	Pass
		5825	0.97	<=30	Pass
802.11ac (VHT40)	SISO	5755	0.99	<=30	Pass
		5795	1.40	<=30	Pass
802.11ac (VHT80)	SISO	5775	0.73	<=30	Pass

Note1: Antenna Gain: Ant1: 4.57dBi;

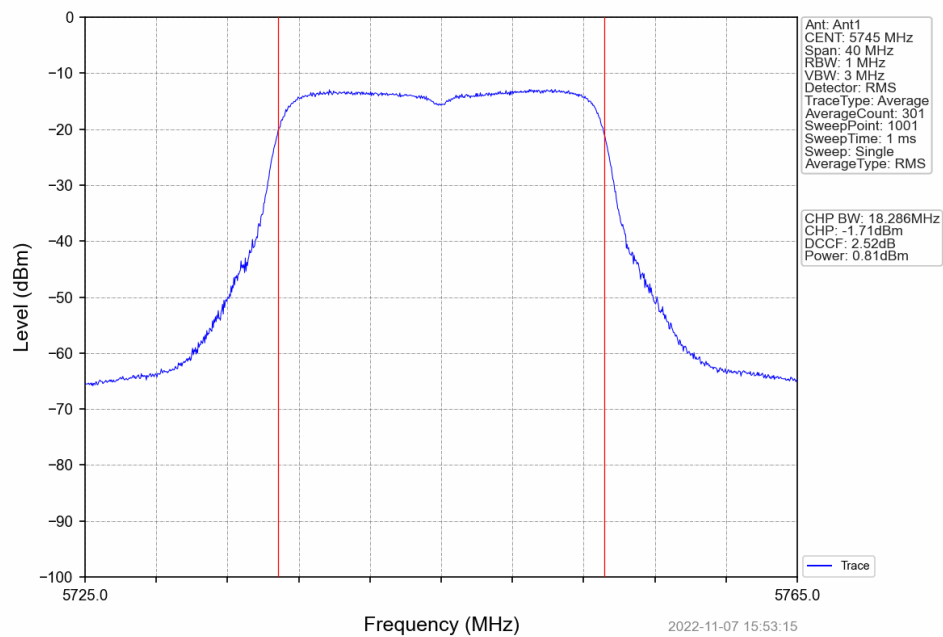
2.1.2 Test Graph



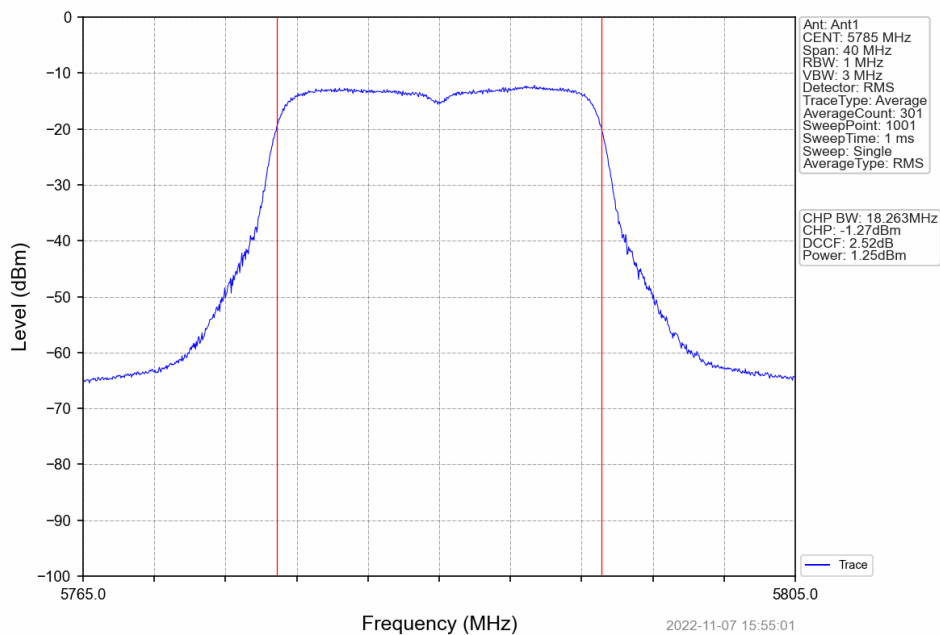
802.11a HCH 5825MHz Ant1 NTN



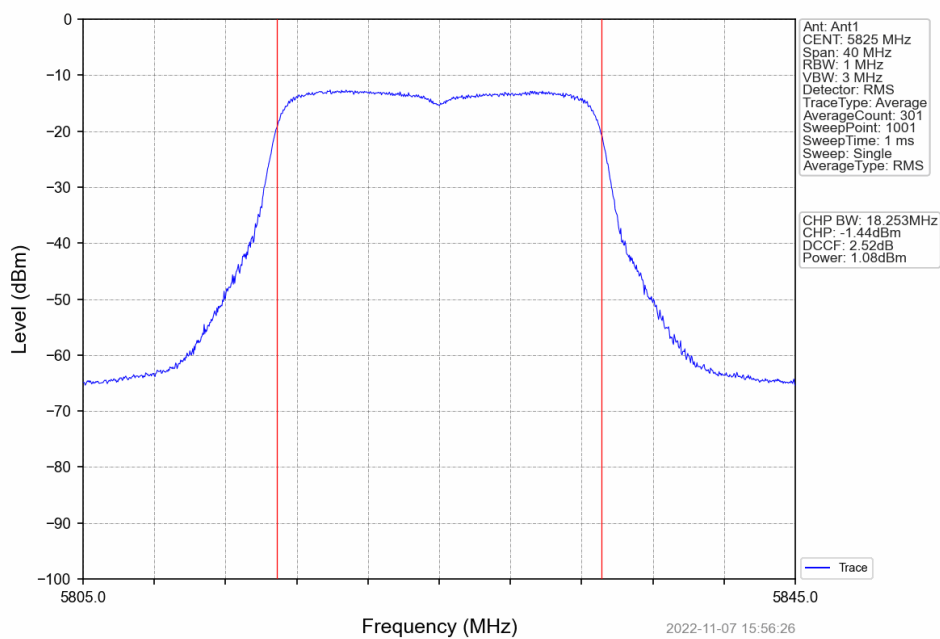
802.11n(HT20) LCH 5745MHz Ant1 NTN



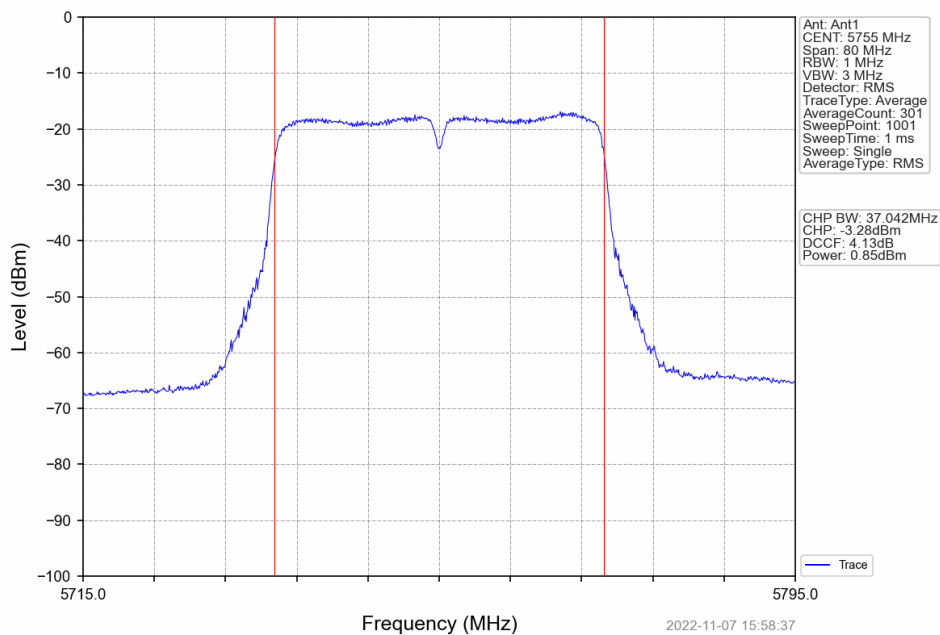
802.11n(HT20) MCH 5785MHz Ant1 NTN



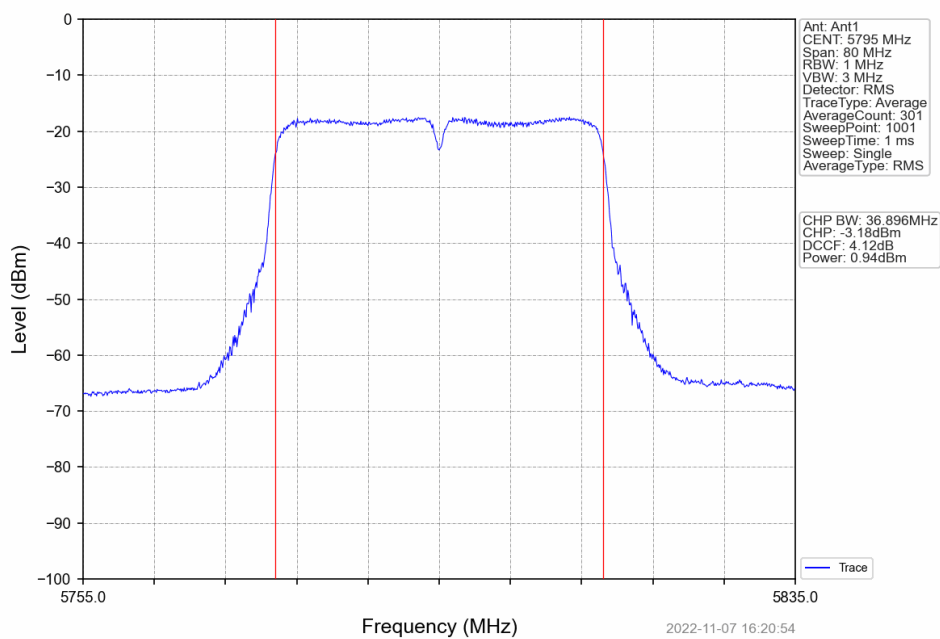
802.11n(HT20)_HCH_5825MHz_Ant1_NTN



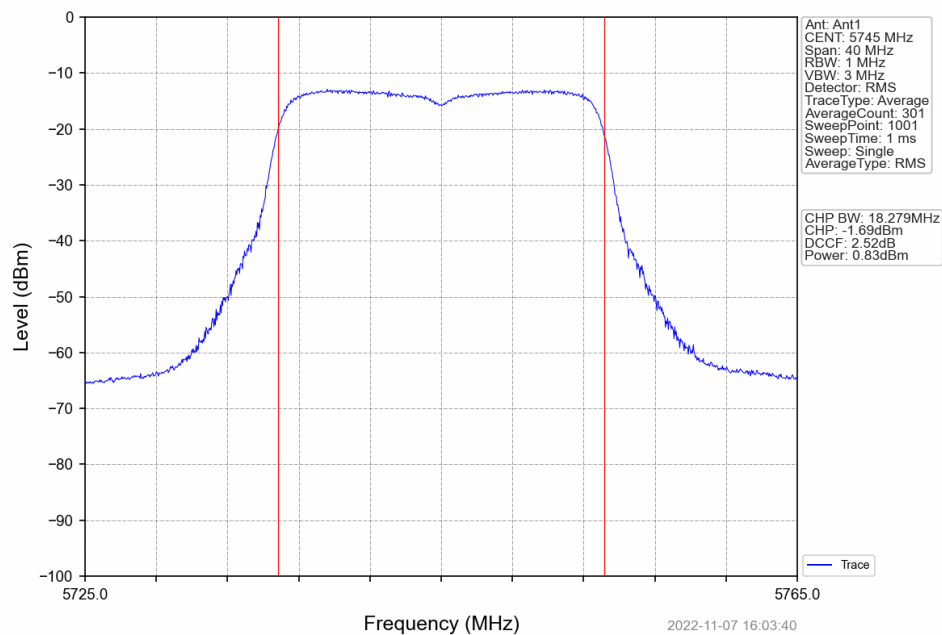
802.11n(HT40) LCH 5755MHz Ant1 NTN



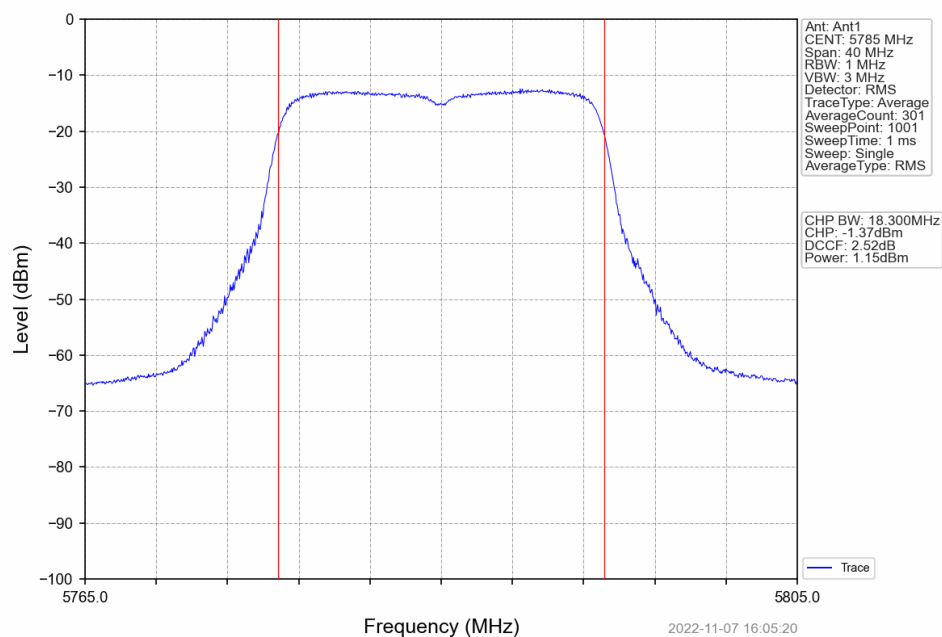
802.11n(HT40)_HCH_5795MHz_Ant1_NTN



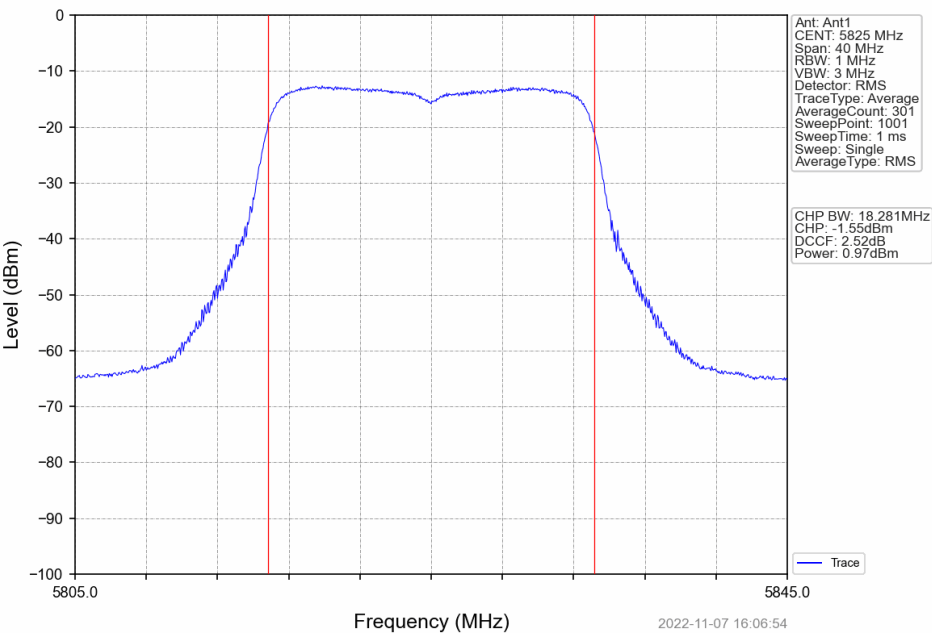
802.11ac(VHT20) LCH 5745MHz Ant1 NTV



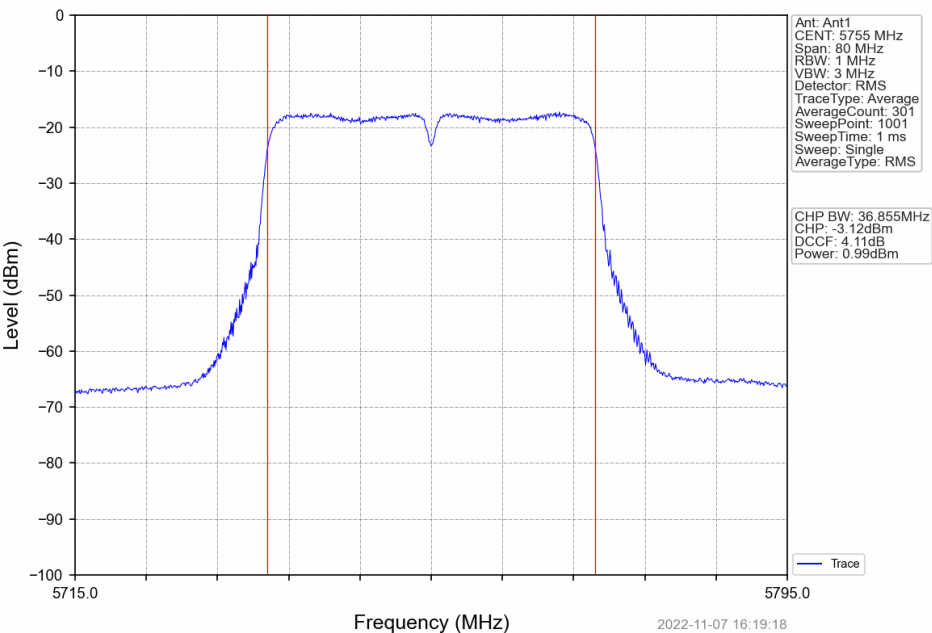
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTV



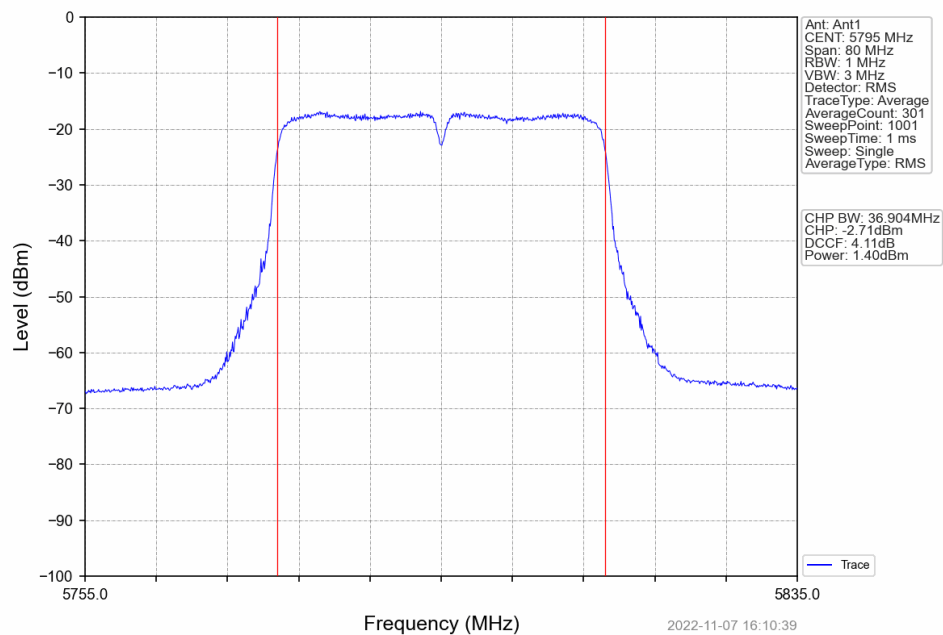
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



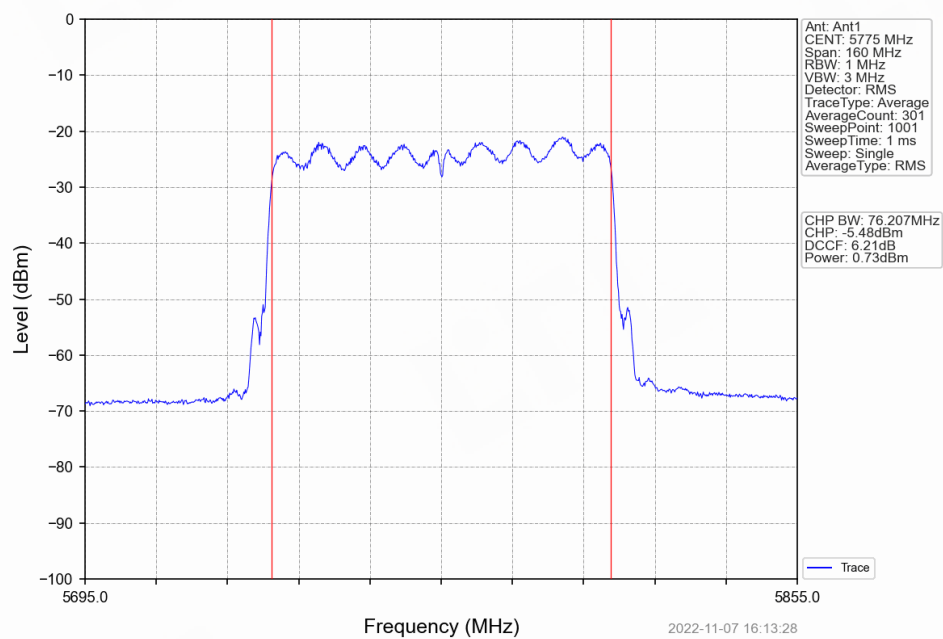
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTN



802.11ac(VHT40) HCH 5795MHz Ant1 NTV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTV



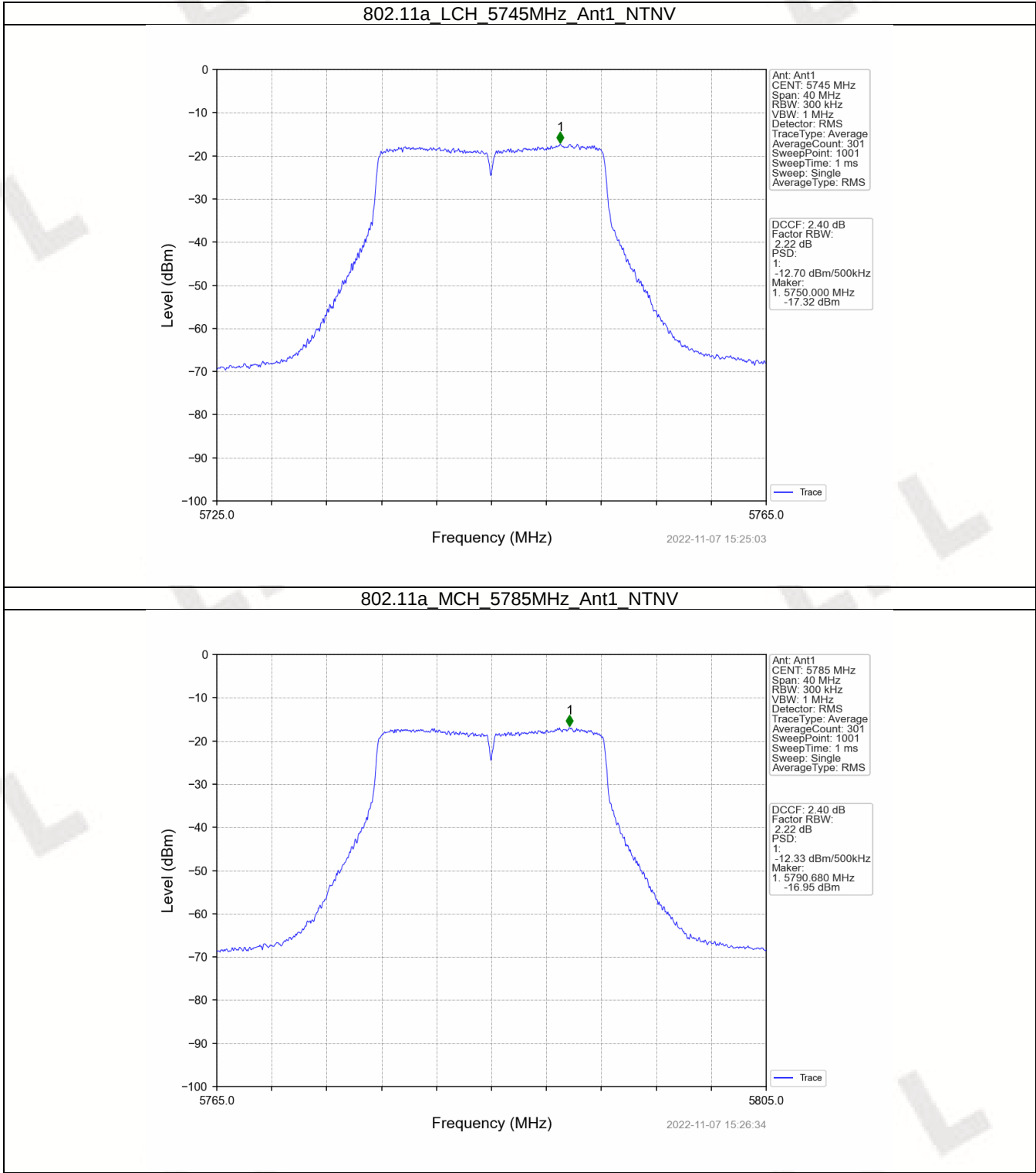
3. Maximum Power Spectral Density

3.1 PSD-Band3

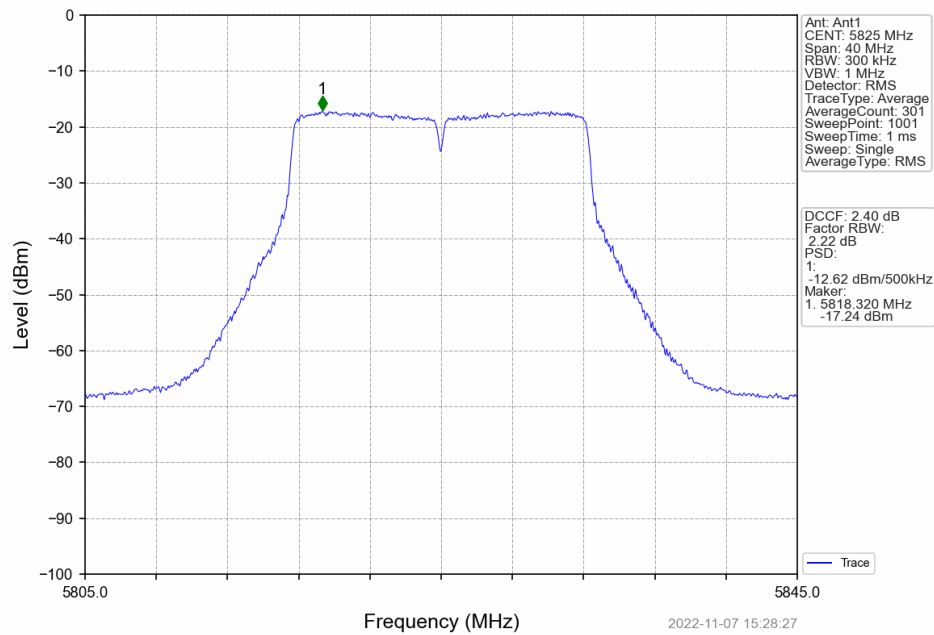
3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-12.70	<=30	Pass
		5785	-12.33	<=30	Pass
		5825	-12.62	<=30	Pass
802.11n (HT20)	SISO	5745	-13.34	<=30	Pass
		5785	-12.64	<=30	Pass
		5825	-12.97	<=30	Pass
802.11n (HT40)	SISO	5755	-15.28	<=30	Pass
		5795	-15.84	<=30	Pass
802.11ac (VHT20)	SISO	5745	-13.28	<=30	Pass
		5785	-12.71	<=30	Pass
		5825	-12.88	<=30	Pass
802.11ac (VHT40)	SISO	5755	-16.01	<=30	Pass
		5795	-15.75	<=30	Pass
802.11ac (VHT80)	SISO	5775	-17.29	<=30	Pass
Note1: Antenna Gain: Ant1: 4.57dBi;					

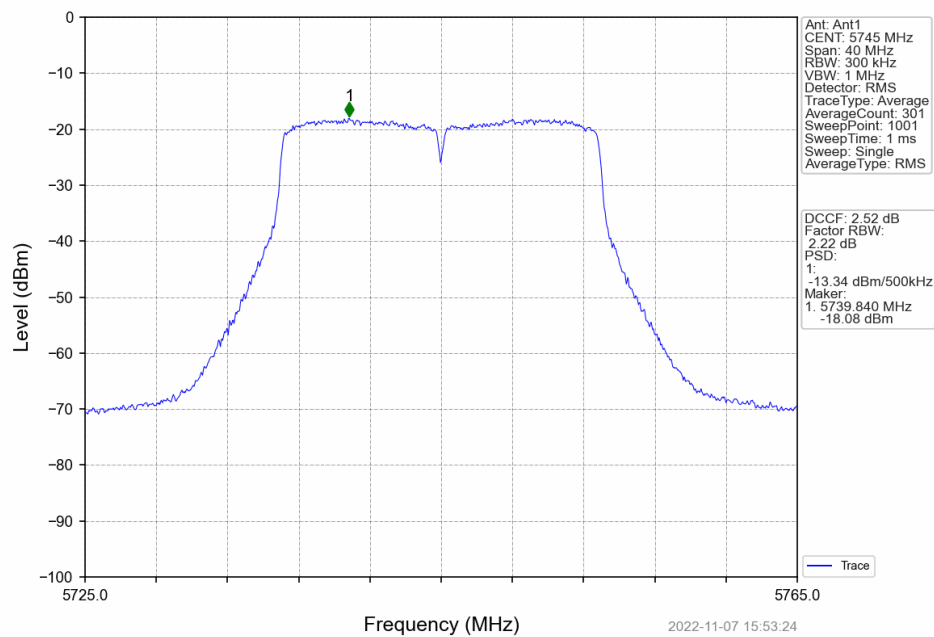
3.1.2 Test Graph



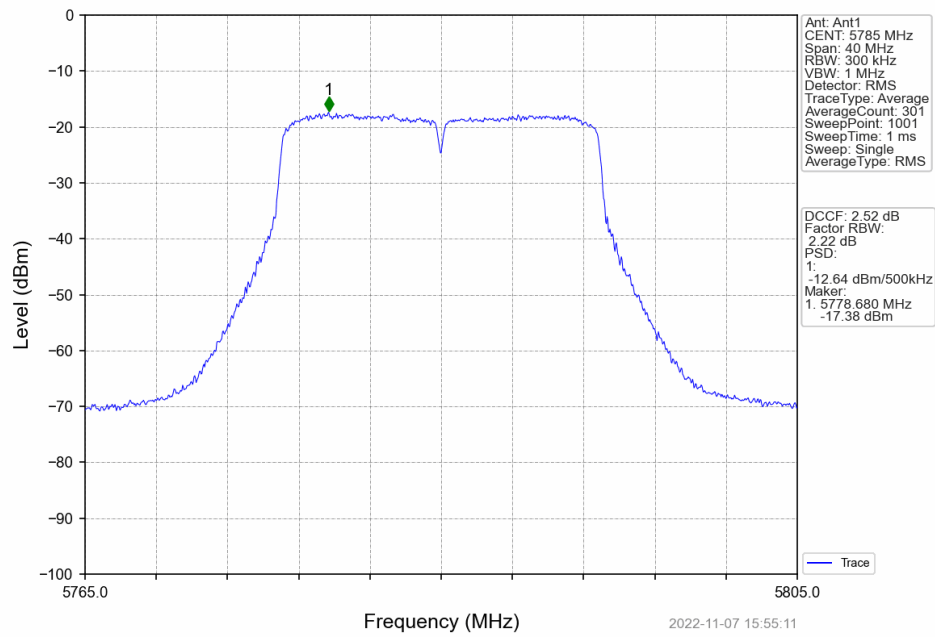
802.11a HCH 5825MHz Ant1 NTN



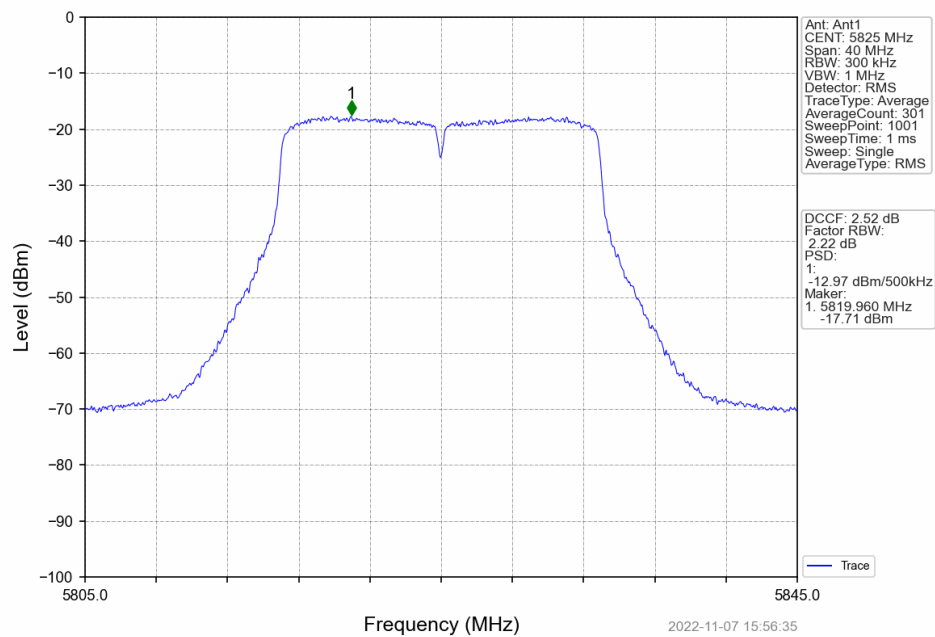
802.11n(HT20) LCH 5745MHz Ant1 NTN



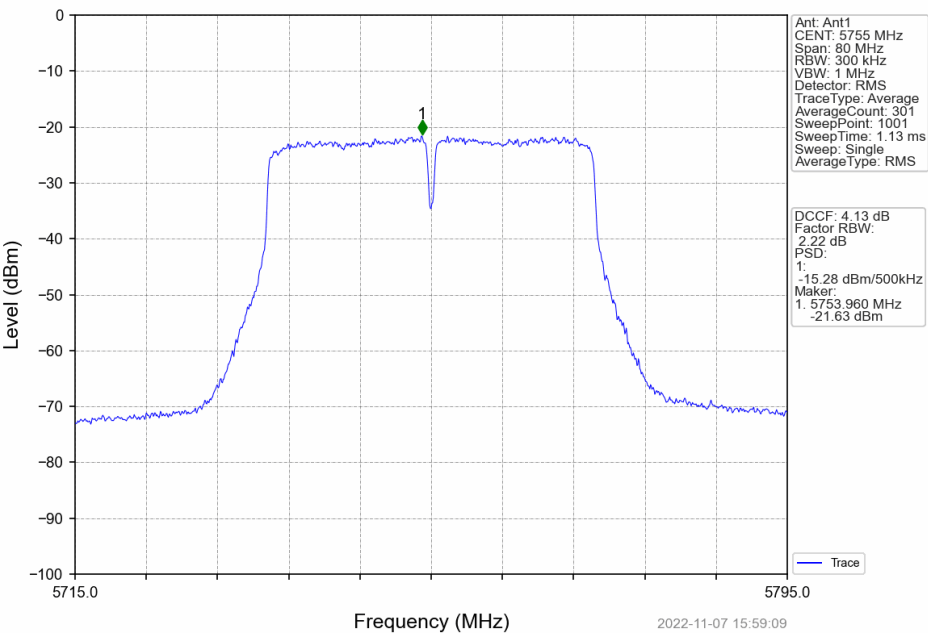
802.11n(HT20) MCH 5785MHz Ant1 NTN



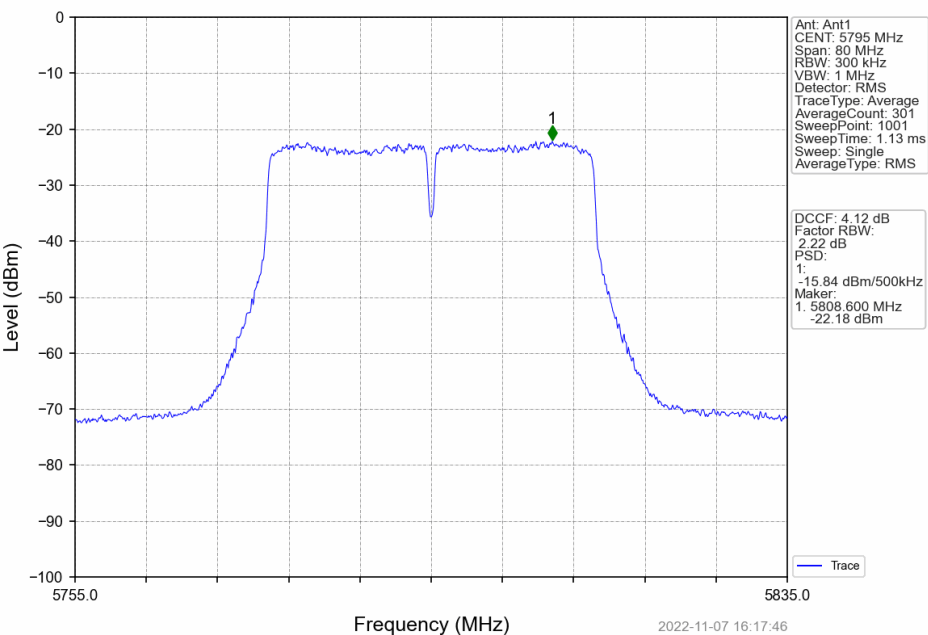
802.11n(HT20)_HCH_5825MHz_Ant1 NTN



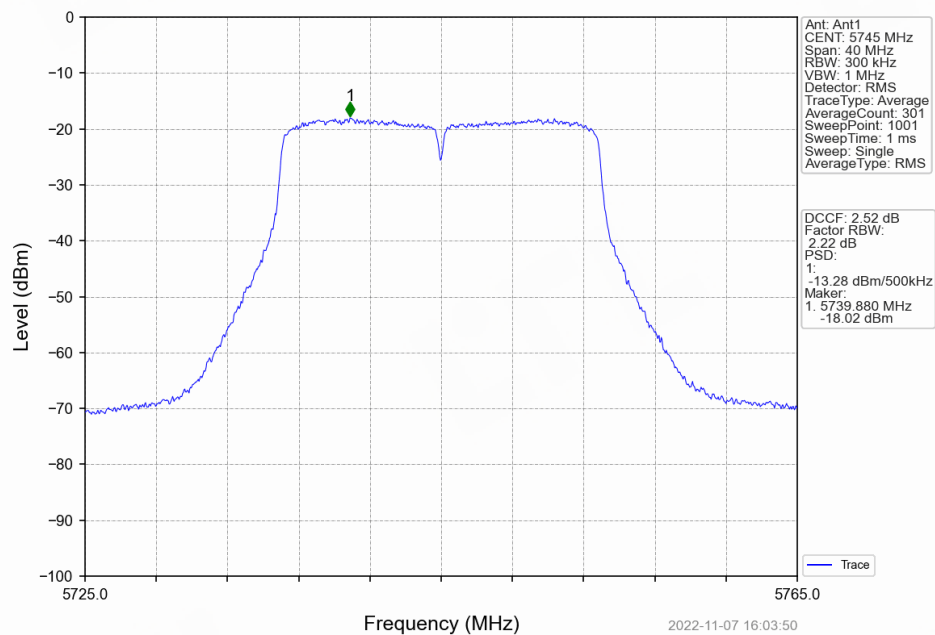
802.11n(HT40) LCH 5755MHz Ant1 NTN



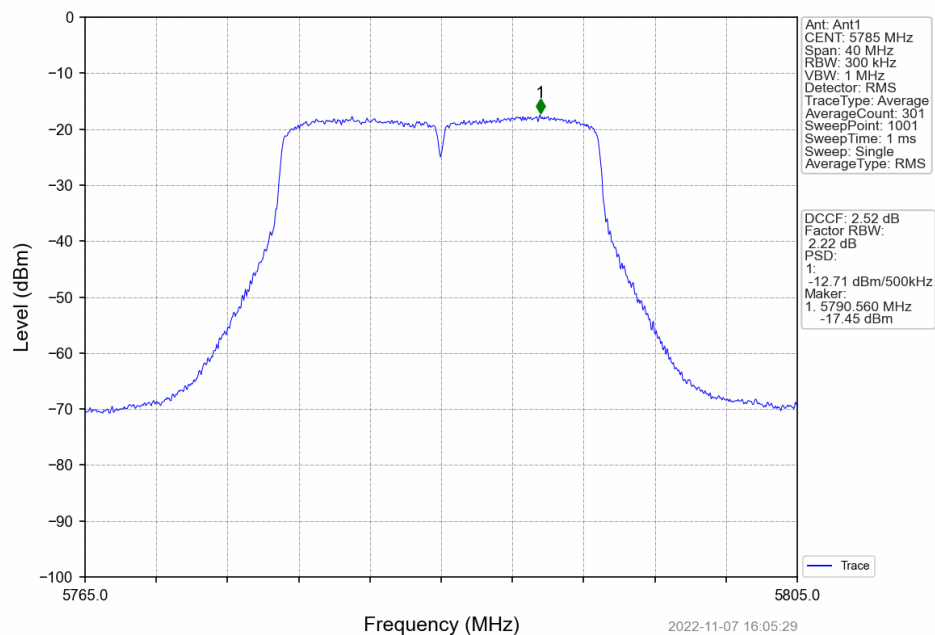
802.11n(HT40)_HCH_5795MHz_Ant1 NTN



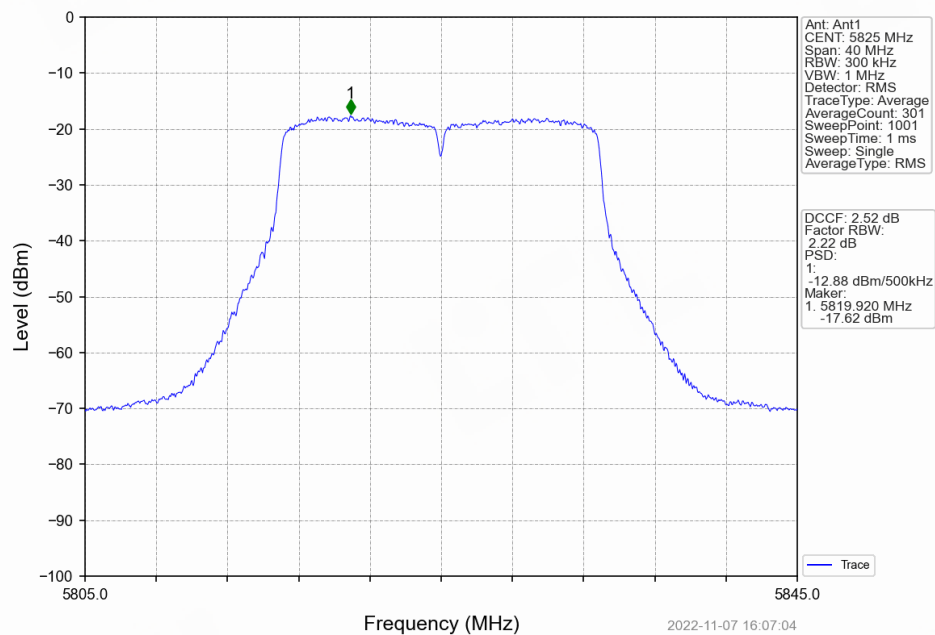
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



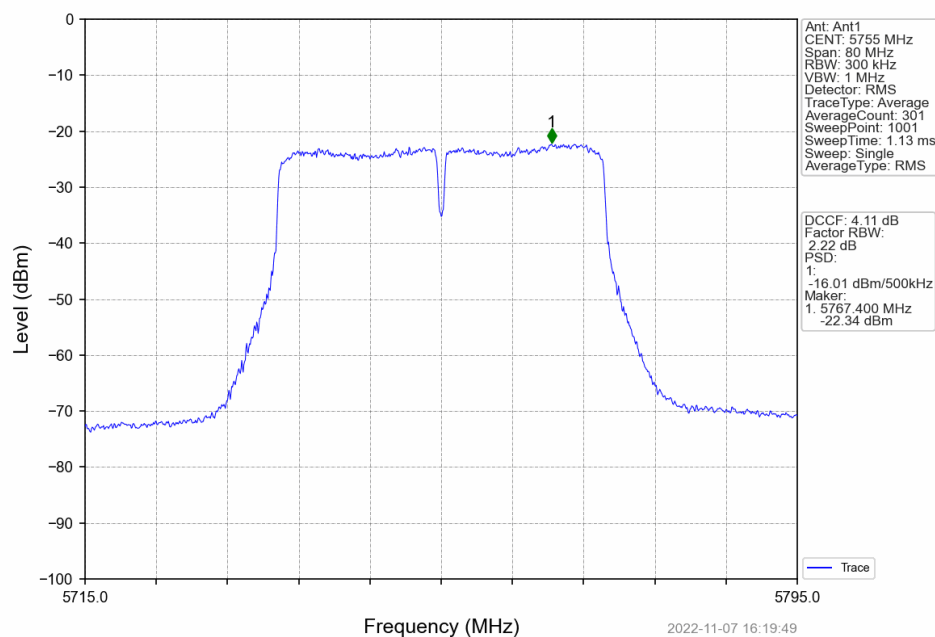
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



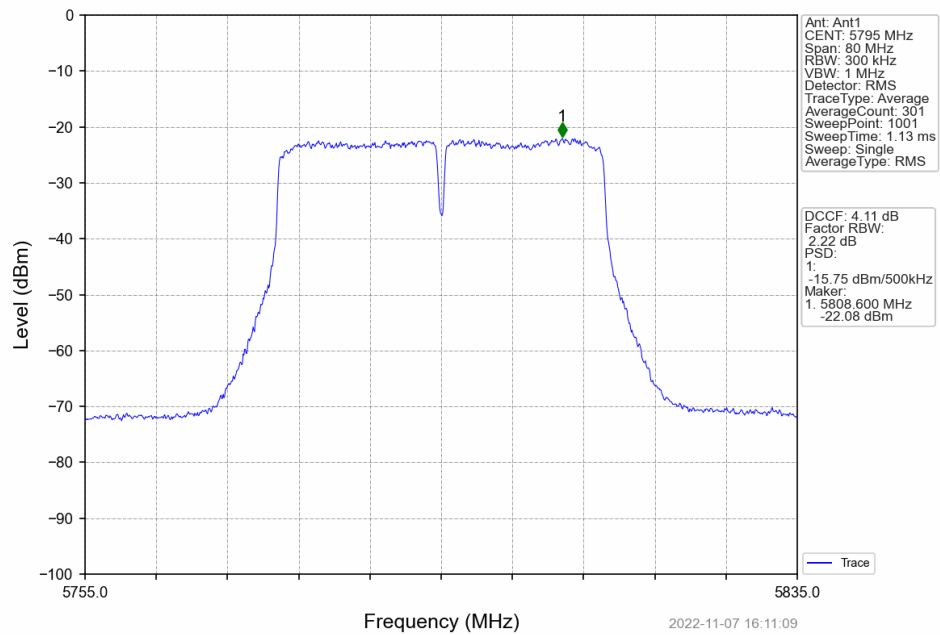
802.11ac(VHT20) HCH 5825MHz Ant1 NTNV



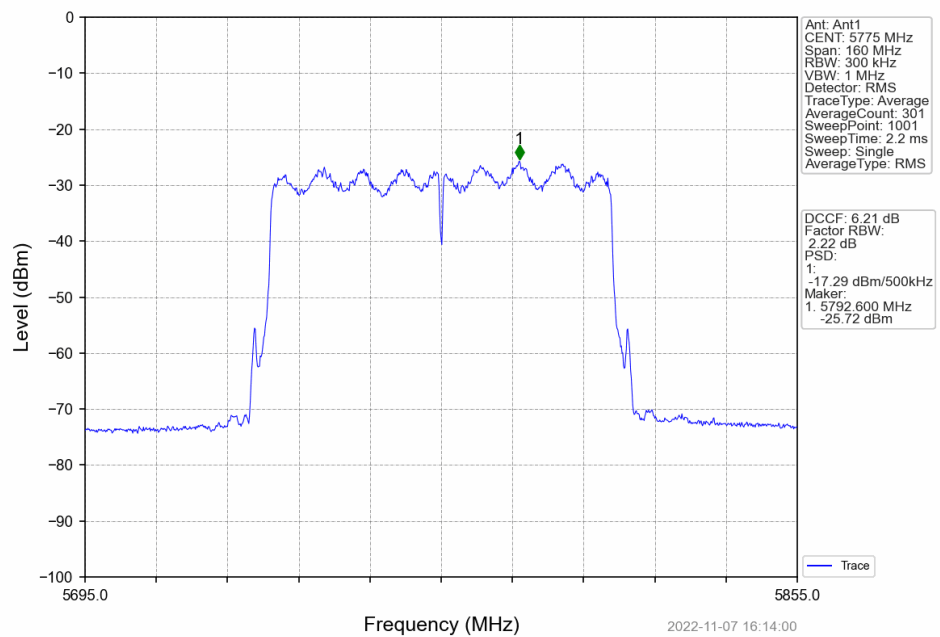
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40) HCH 5795MHz Ant1 NTN



802.11ac(VHT80)_MCH_5775MHz_Ant1_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	5745	20	102	5744.928	5725 to 5850	Pass
				120	5744.928	5725 to 5850	Pass
				138	5744.927	5725 to 5850	Pass
			-30	120	5744.927	5725 to 5850	Pass
			-20	120	5744.927	5725 to 5850	Pass
			-10	120	5744.927	5725 to 5850	Pass
			0	120	5744.927	5725 to 5850	Pass
			10	120	5744.927	5725 to 5850	Pass
			30	120	5744.927	5725 to 5850	Pass
			40	120	5744.928	5725 to 5850	Pass
			50	120	5744.928	5725 to 5850	Pass
		5785	20	102	5784.927	5725 to 5850	Pass
				120	5784.927	5725 to 5850	Pass
				138	5784.927	5725 to 5850	Pass
			-30	120	5784.927	5725 to 5850	Pass
			-20	120	5784.928	5725 to 5850	Pass
			-10	120	5784.928	5725 to 5850	Pass
			0	120	5784.928	5725 to 5850	Pass
			10	120	5784.928	5725 to 5850	Pass
			30	120	5784.928	5725 to 5850	Pass
			40	120	5784.928	5725 to 5850	Pass
			50	120	5784.929	5725 to 5850	Pass
		5825	20	102	5824.927	5725 to 5850	Pass
				120	5824.928	5725 to 5850	Pass
				138	5824.928	5725 to 5850	Pass
			-30	120	5824.928	5725 to 5850	Pass
			-20	120	5824.929	5725 to 5850	Pass
			-10	120	5824.929	5725 to 5850	Pass
			0	120	5824.929	5725 to 5850	Pass
			10	120	5824.929	5725 to 5850	Pass
			30	120	5824.930	5725 to 5850	Pass
			40	120	5824.930	5725 to 5850	Pass
			50	120	5824.930	5725 to 5850	Pass
		5755	20	102	5754.929	5725 to 5850	Pass
				120	5754.929	5725 to 5850	Pass
				138	5754.929	5725 to 5850	Pass
			-30	120	5754.930	5725 to 5850	Pass
			-20	120	5754.930	5725 to 5850	Pass
			-10	120	5754.930	5725 to 5850	Pass
			0	120	5754.930	5725 to 5850	Pass
			10	120	5754.931	5725 to 5850	Pass
			30	120	5754.931	5725 to 5850	Pass
			40	120	5754.931	5725 to 5850	Pass
			50	120	5754.931	5725 to 5850	Pass
		5795	20	102	5794.929	5725 to 5850	Pass
				120	5794.930	5725 to 5850	Pass
				138	5794.930	5725 to 5850	Pass
			-30	120	5794.930	5725 to 5850	Pass
			-20	120	5794.930	5725 to 5850	Pass

			-10	120	5794.931	5725 to 5850	Pass
			0	120	5794.930	5725 to 5850	Pass
			10	120	5794.931	5725 to 5850	Pass
			30	120	5794.931	5725 to 5850	Pass
			40	120	5794.931	5725 to 5850	Pass
			50	120	5794.931	5725 to 5850	Pass
		5775	20	102	5774.928	5725 to 5850	Pass
				120	5774.929	5725 to 5850	Pass
				138	5774.929	5725 to 5850	Pass
			-30	120	5774.929	5725 to 5850	Pass
			-20	120	5774.930	5725 to 5850	Pass
			-10	120	5774.930	5725 to 5850	Pass
			0	120	5774.930	5725 to 5850	Pass
			10	120	5774.930	5725 to 5850	Pass
			30	120	5774.930	5725 to 5850	Pass
			40	120	5774.930	5725 to 5850	Pass
			50	120	5774.930	5725 to 5850	Pass