

Appendix RF Test Data for 5GWIFI

Company: : Shenzhen Zigxico Technology Co., Ltd.

EUT : Smart Camera

FCC ID: : 2AZHU-B66-1

Model Number : B66

Report No. : HTT202510483F03

Reviewed By : Heber He

1. Duty Cycle

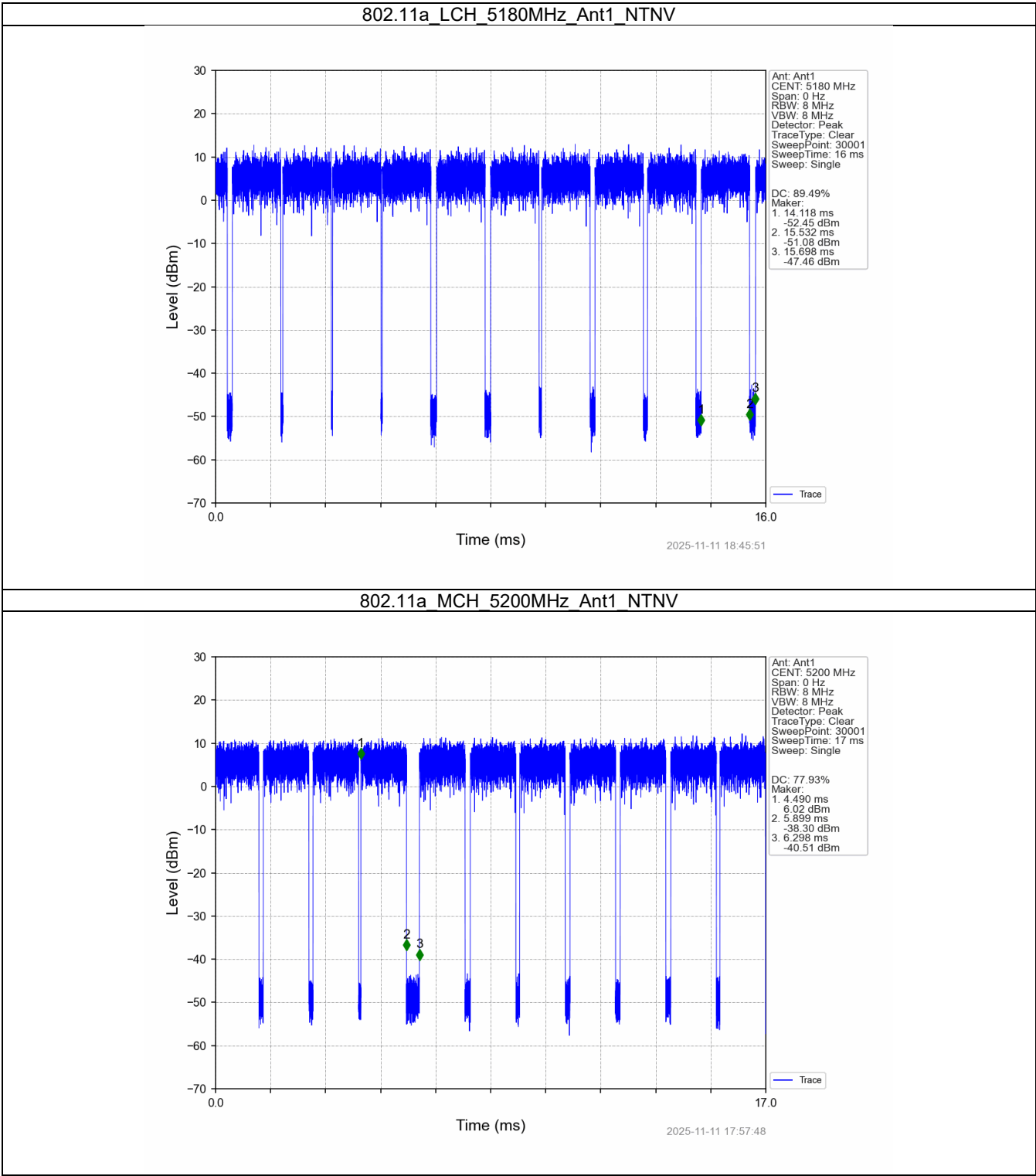
1.1 Test Result

1.1.1 Ant1

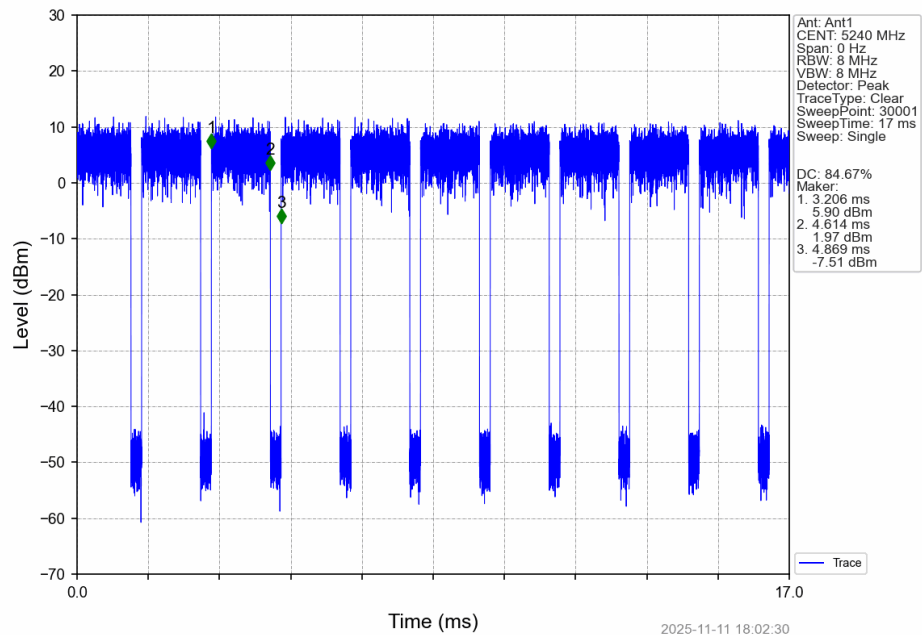
Ant1							
Mode	Tx Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	1.414	1.580	89.49	0.48	8.43
		5200	1.409	1.808	77.93	1.08	17.18
		5240	1.408	1.663	84.67	0.72	0.03
		5260	1.409	1.761	80.01	0.97	4.65
		5300	1.408	1.888	74.58	1.27	5.43
		5320	1.409	1.920	73.39	1.34	11.30
		5500	1.416	1.562	90.65	0.43	6.78
		5580	1.408	1.952	72.13	1.42	12.52
		5700	1.408	1.664	84.62	0.73	0.04
		5745	1.409	1.664	84.68	0.72	0.04
		5785	1.408	4.897	28.75	5.41	55.99
		5825	1.409	1.779	79.20	1.01	5.62
802.11n (HT20)	SISO	5180	1.317	1.856	70.96	1.49	8.19
		5200	1.316	1.568	83.93	0.76	0.04
		5240	1.322	1.470	89.93	0.46	7.75
		5260	1.317	1.696	77.65	1.10	3.08
		5300	1.317	1.568	83.99	0.76	0.04
		5320	1.316	1.824	72.15	1.42	6.95
		5500	1.317	1.953	67.43	1.71	16.55
		5580	1.316	4.316	30.49	5.16	53.52
		5700	1.316	1.479	88.98	0.51	8.28
		5745	1.316	1.728	76.16	1.18	2.94
		5785	1.317	1.777	74.11	1.30	9.87
		5825	1.317	1.568	83.99	0.76	0.00
802.11n (HT40)	SISO	5190	0.653	1.921	33.99	4.69	4.50
		5230	0.653	1.600	40.81	3.89	4.54
		5270	0.653	2.145	30.44	5.17	8.79
		5310	0.652	1.792	36.38	4.39	6.08
		5510	0.653	1.856	35.18	4.54	7.36
		5550	0.653	1.792	36.44	4.38	3.57
		5670	0.653	1.696	38.50	4.15	4.92
		5755	0.653	1.984	32.91	4.83	40.09
		5795	0.653	1.761	37.08	4.31	2.92

1.2 Test Graph

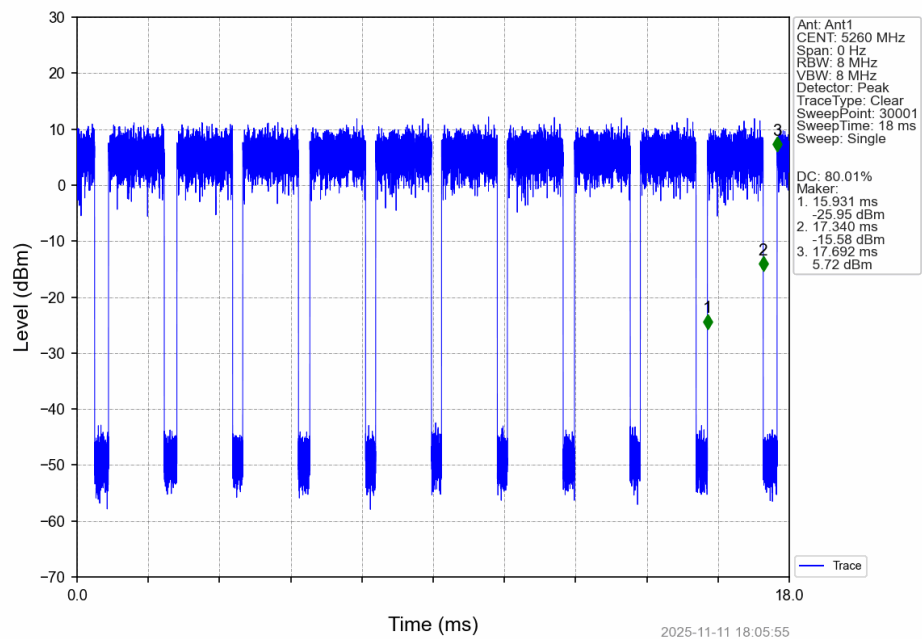
1.2.1 Ant1



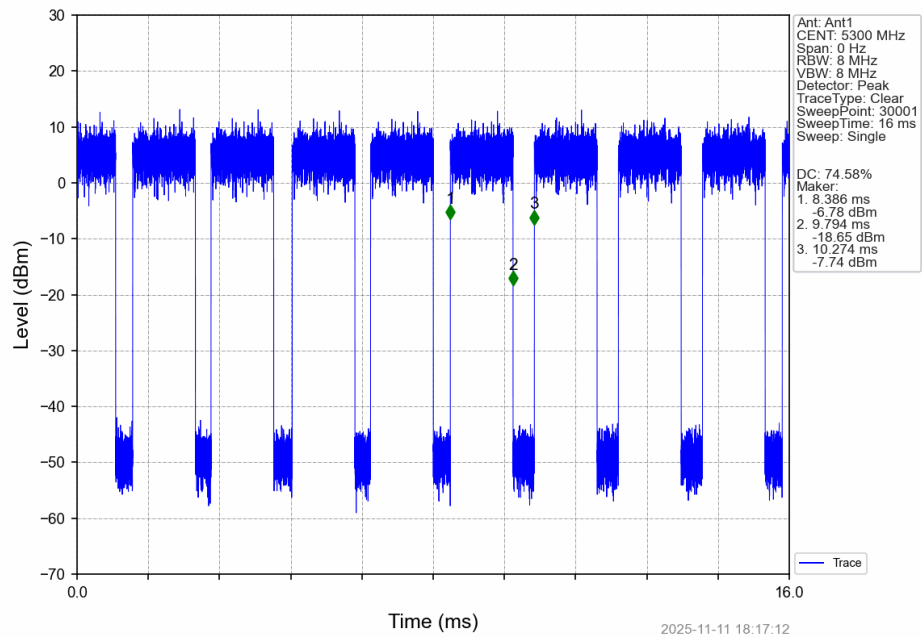
802.11a_HCH_5240MHz_Ant1_NTNV



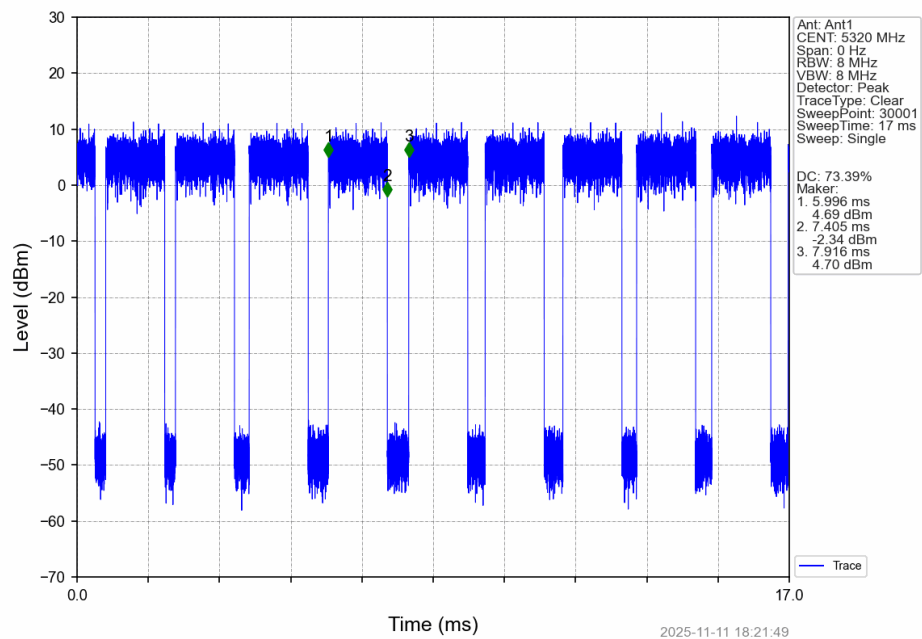
802.11a_LCH_5260MHz_Ant1_NTNV



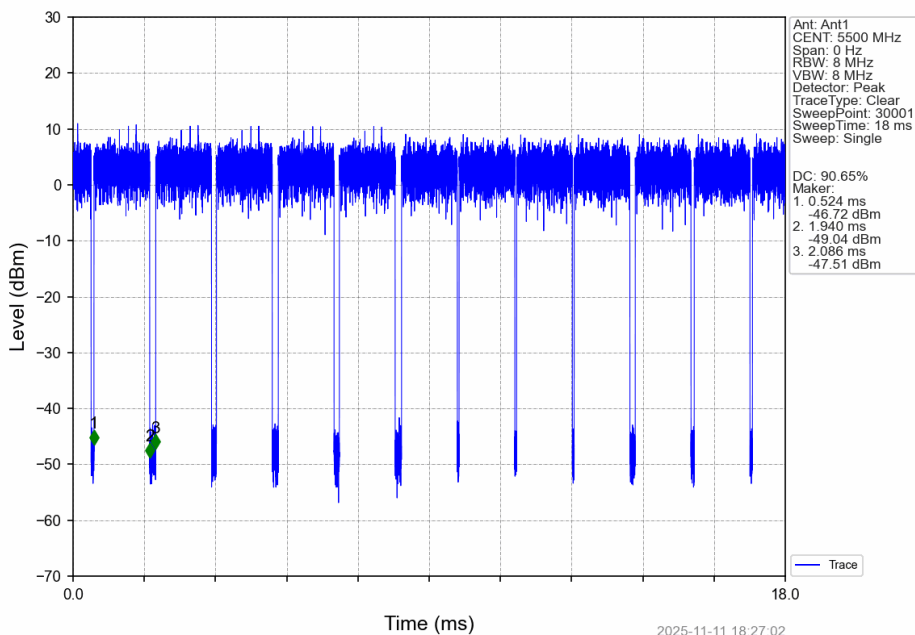
802.11a_MCH_5300MHz_Ant1_NTNV



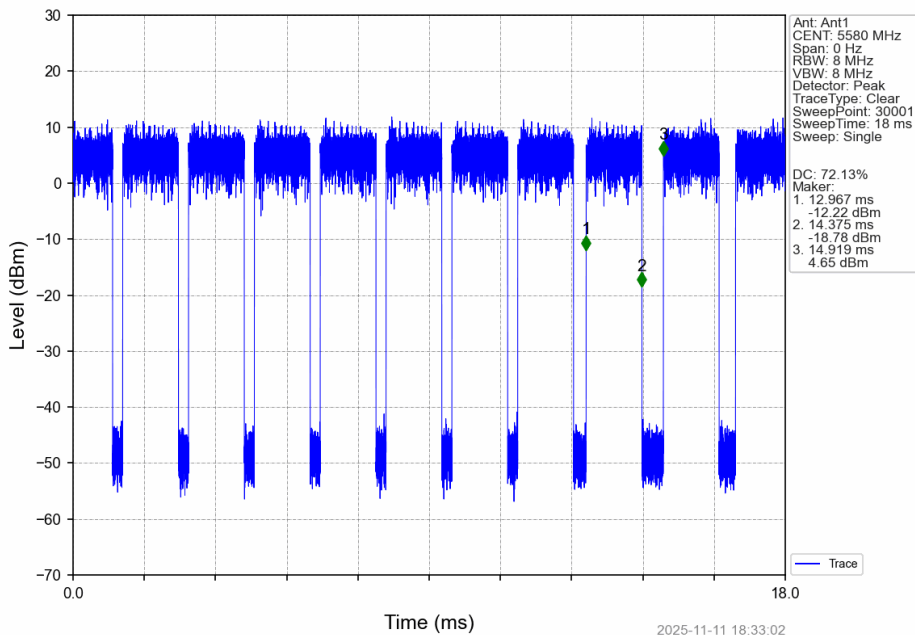
802.11a_HCH_5320MHz_Ant1_NTNV



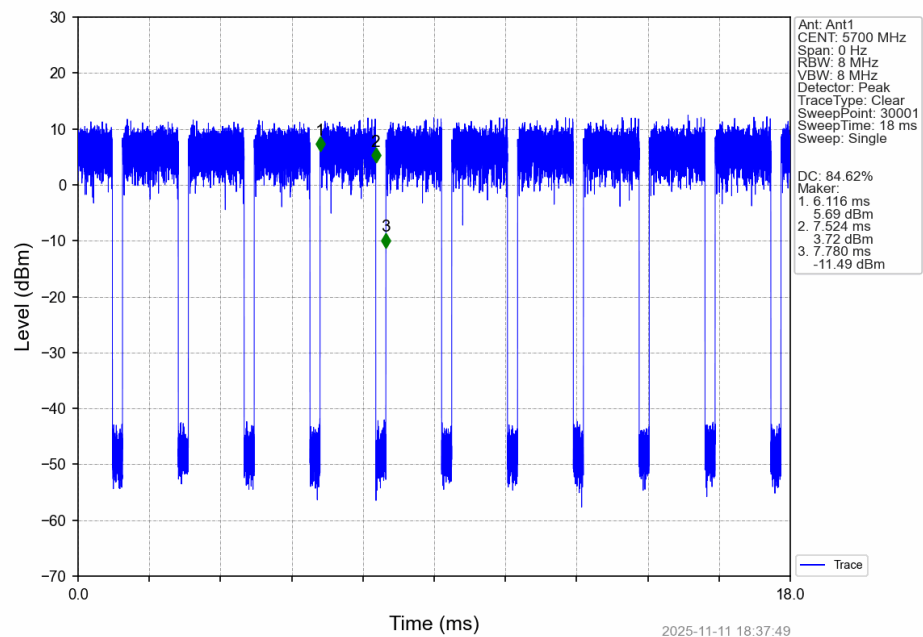
802.11a LCH 5500MHz Ant1 NTN



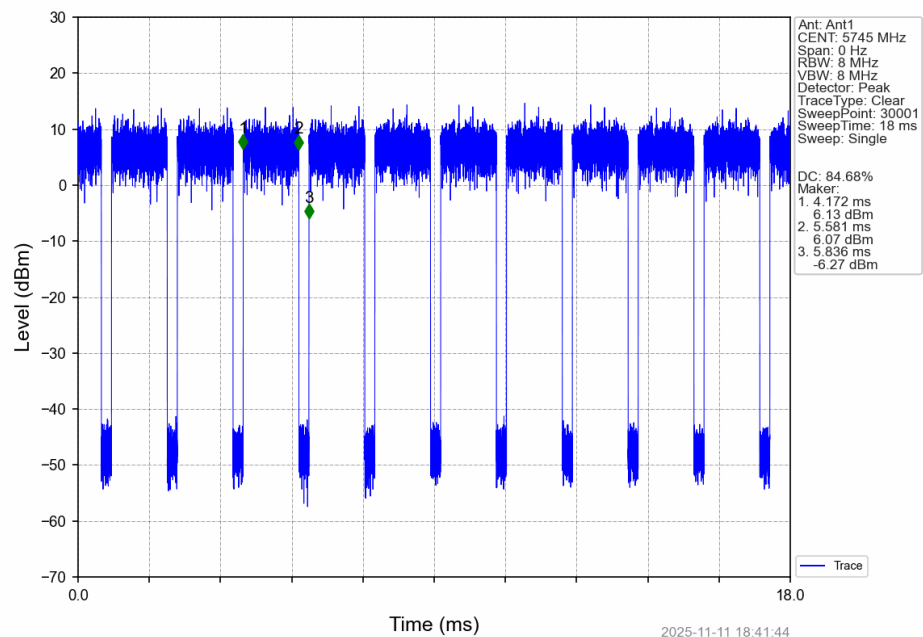
802.11a_MCH_5580MHz_Ant1_NTN



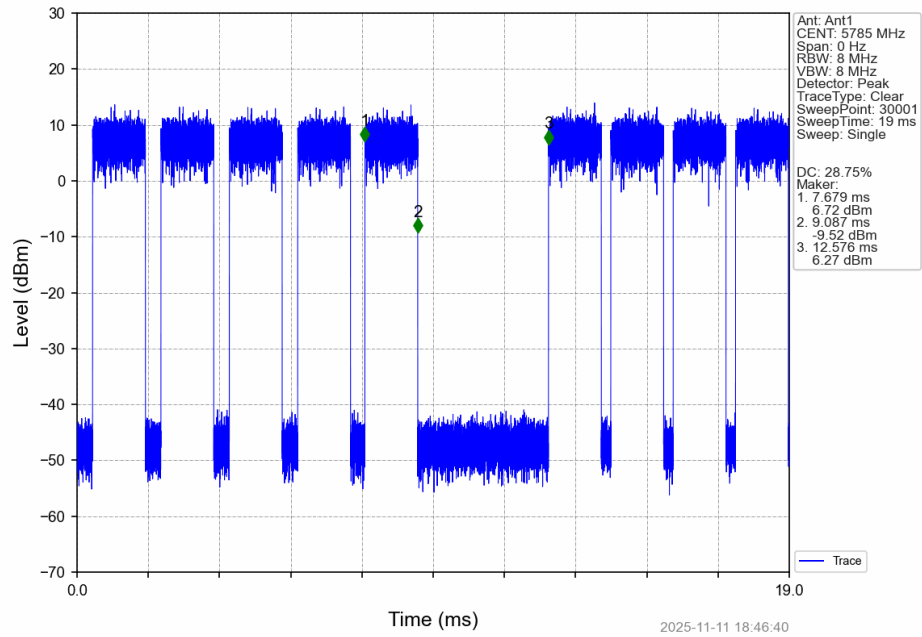
802.11a_HCH_5700MHz_Ant1_NTNV



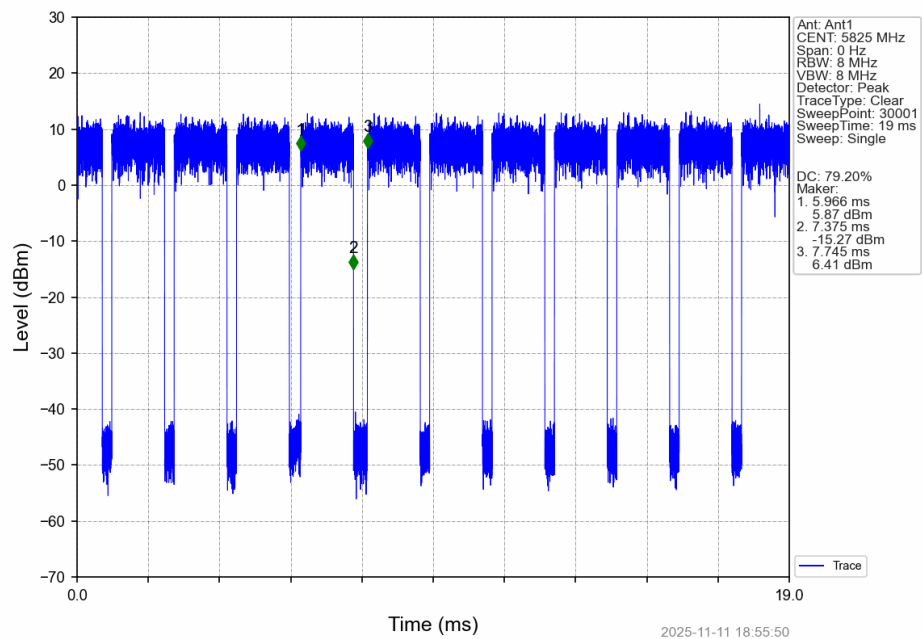
802.11a_LCH_5745MHz_Ant1_NTNV



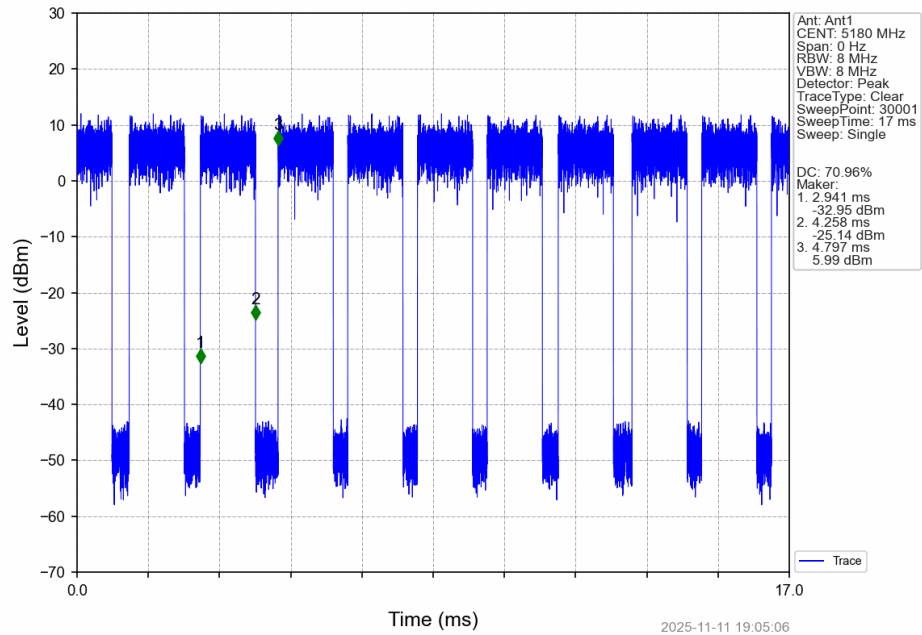
802.11a MCH 5785MHz Ant1 NTN



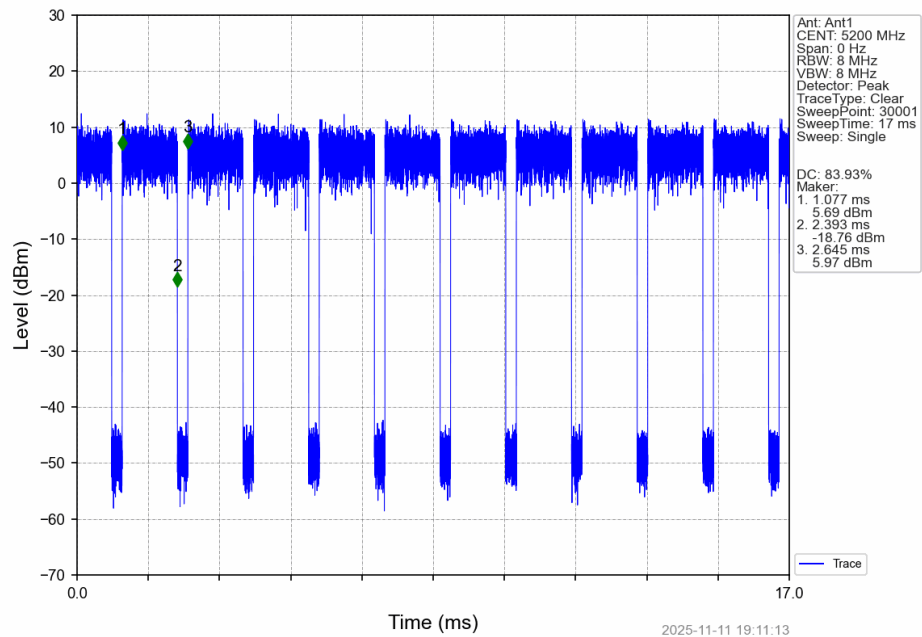
802.11a_HCH 5825MHz_Ant1 NTN



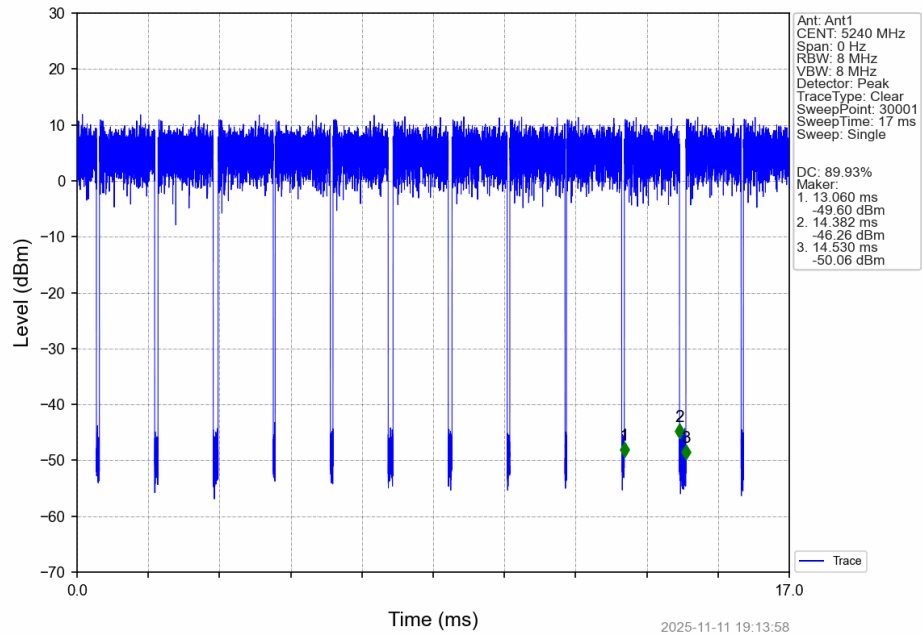
802.11n(HT20) LCH 5180MHz Ant1 NTN



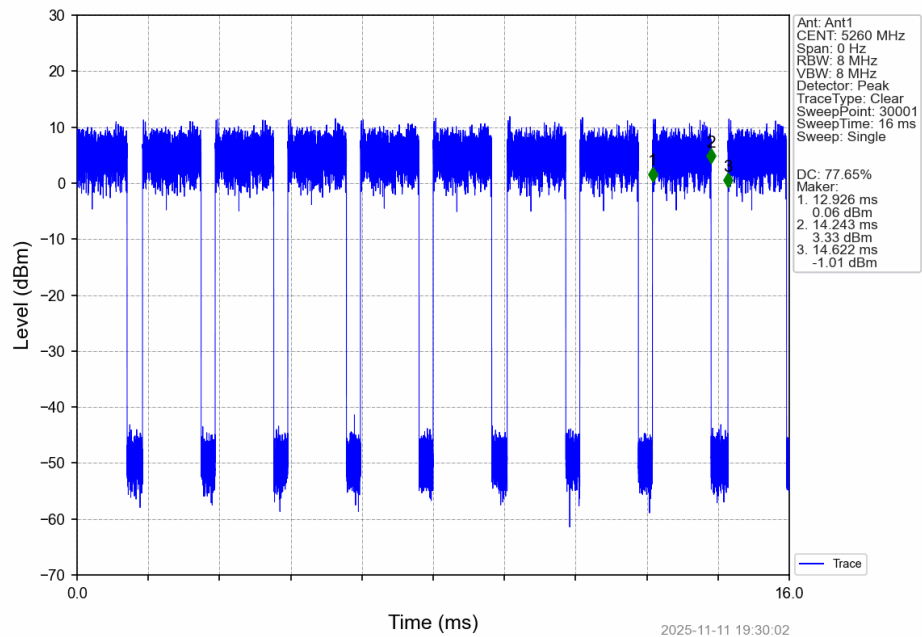
802.11n(HT20)_MCH_5200MHz_Ant1_NTN



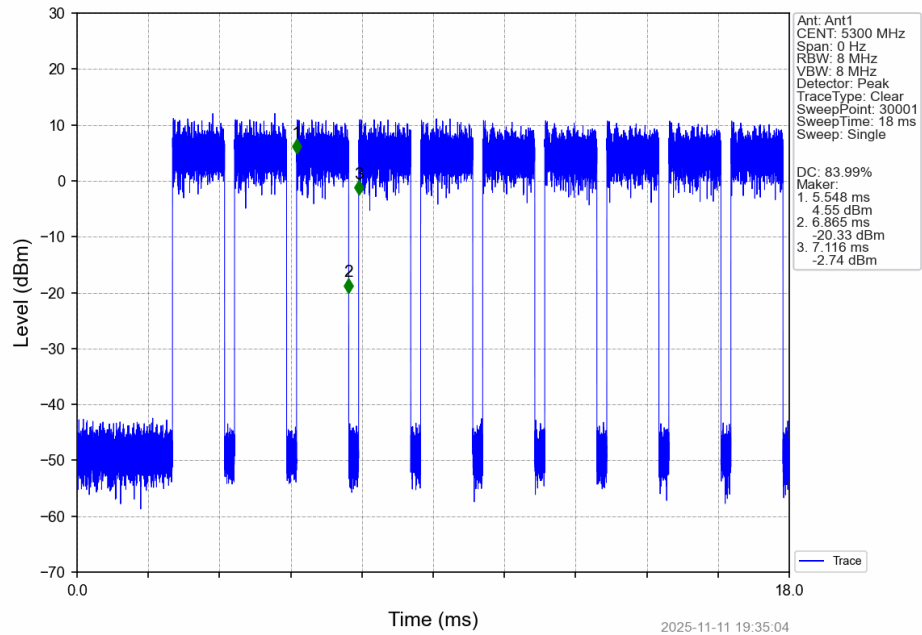
802.11n(HT20) HCH 5240MHz Ant1 NTN



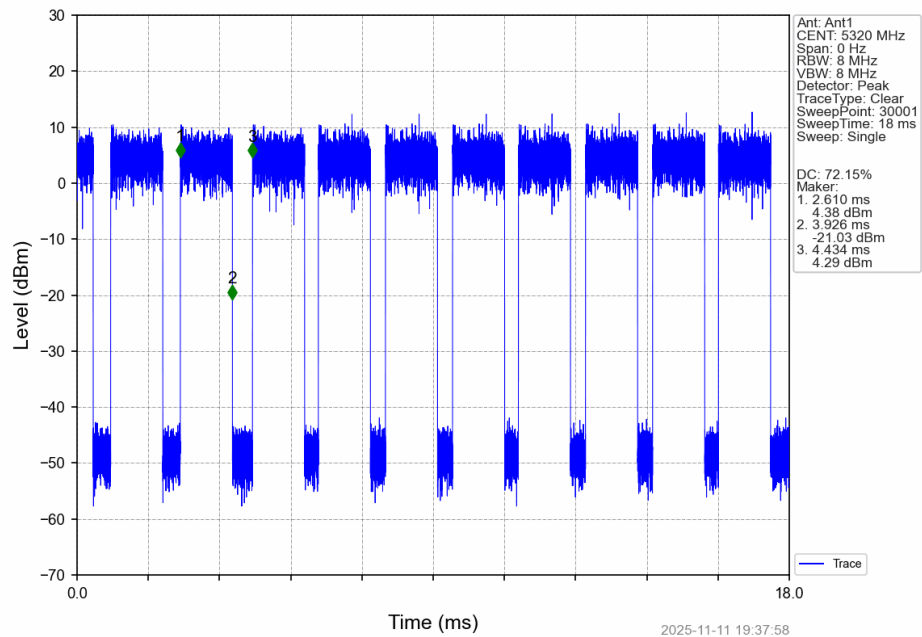
802.11n(HT20)_LCH_5260MHz_Ant1_NTN



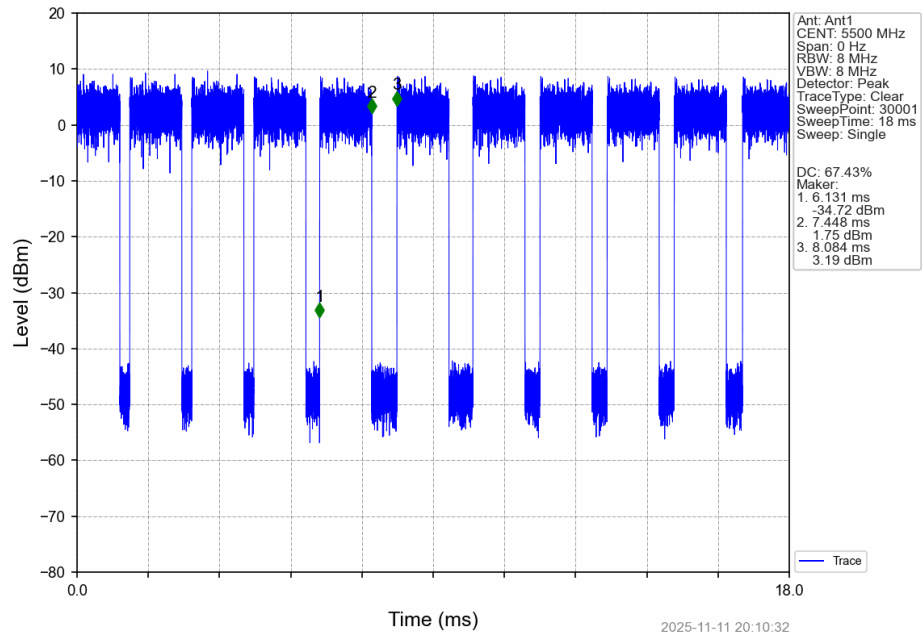
802.11n(HT20) MCH 5300MHz Ant1 NTN



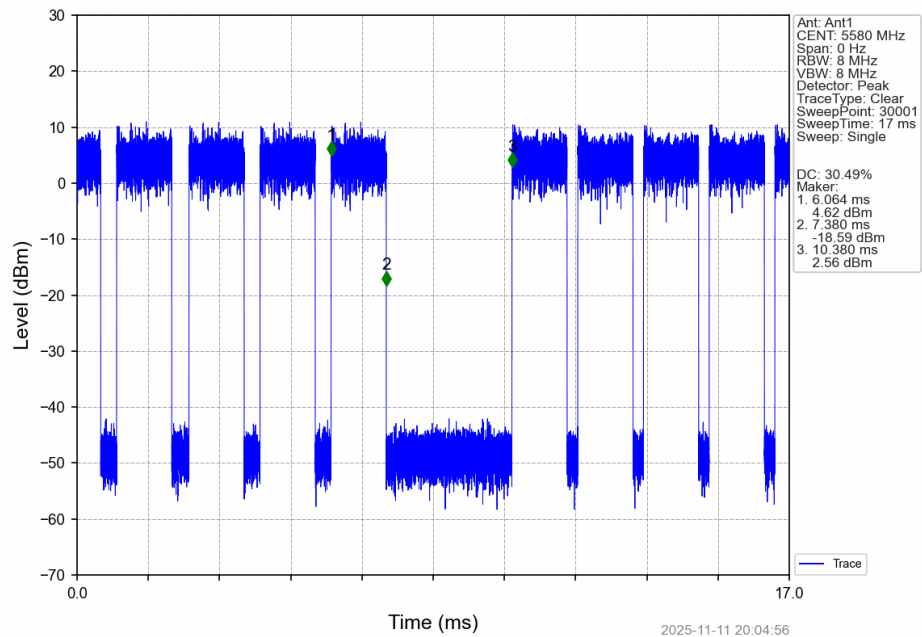
802.11n(HT20)_HCH_5320MHz_Ant1_NTN



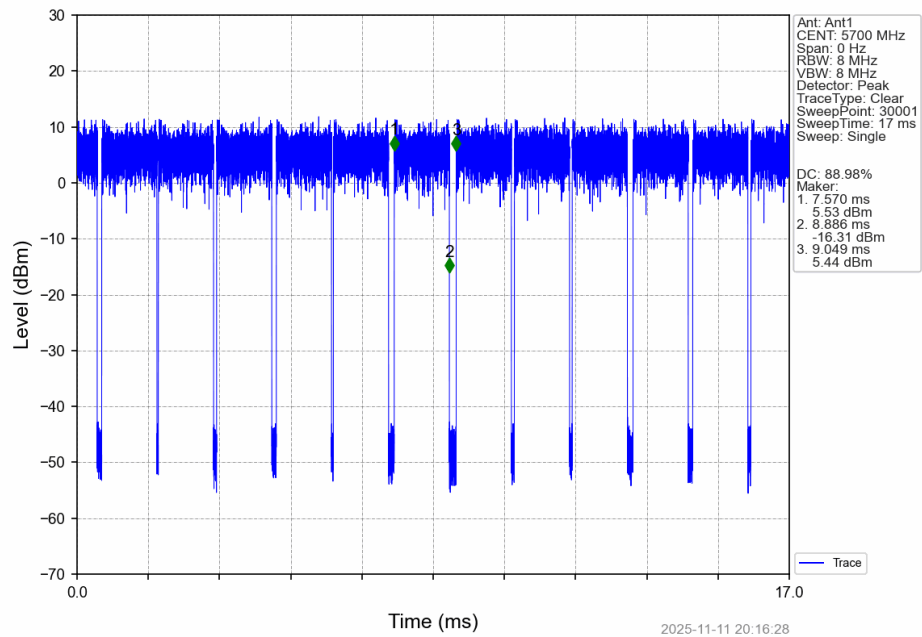
802.11n(HT20) LCH 5500MHz Ant1 NTN



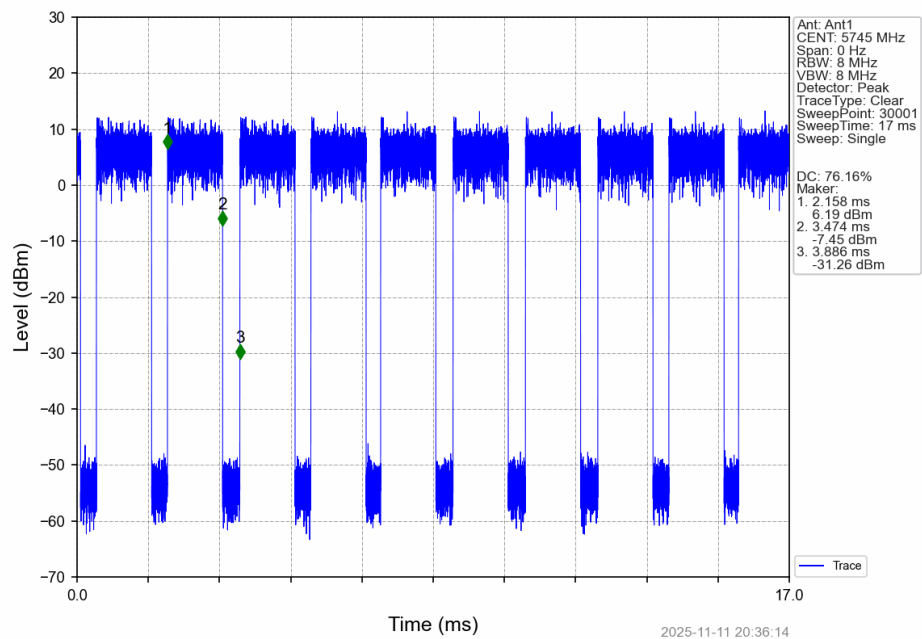
802.11n(HT20)_MCH_5580MHz_Ant1_NTN



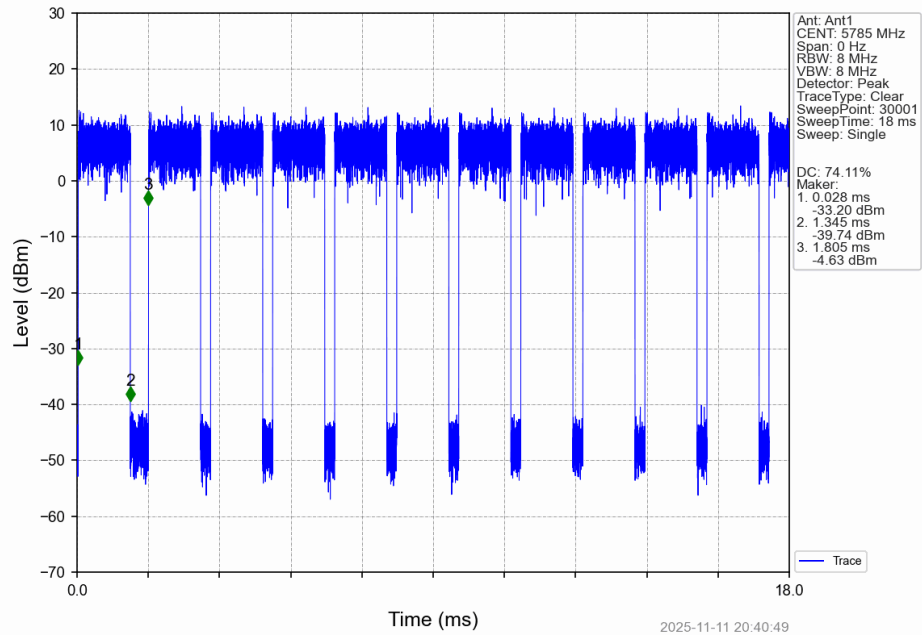
802.11n(HT20) HCH 5700MHz Ant1 NTN



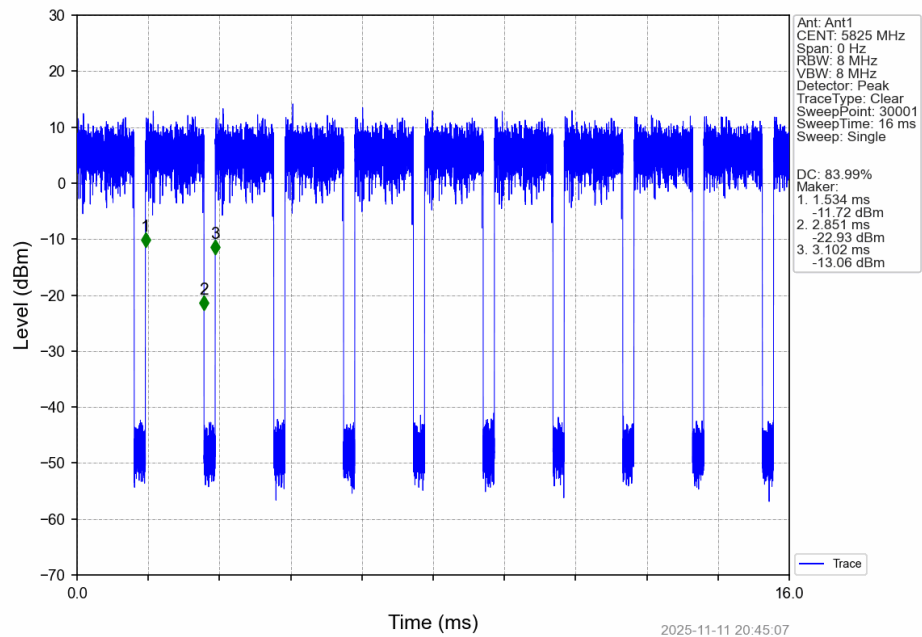
802.11n(HT20)_LCH_5745MHz_Ant1_NTN



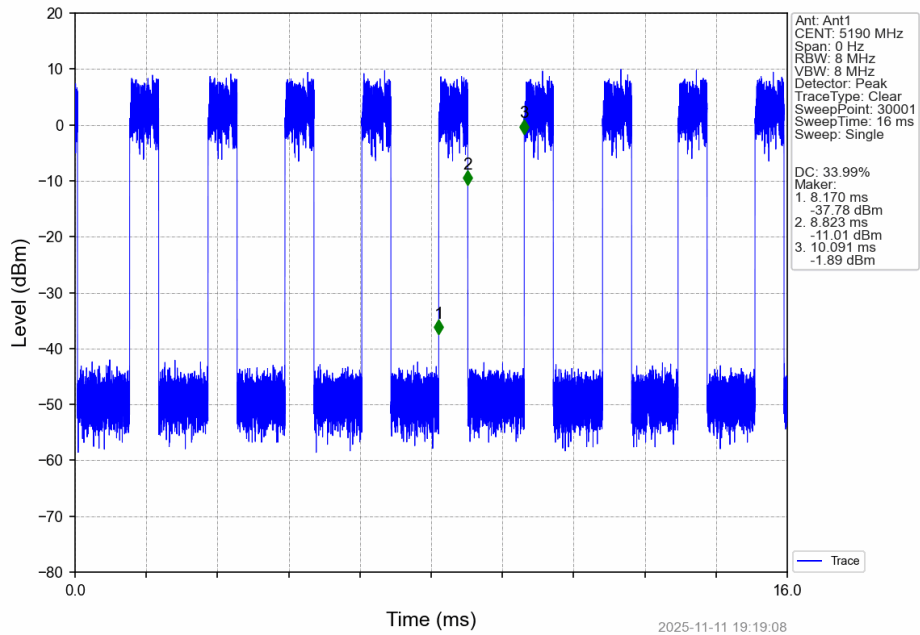
802.11n(HT20) MCH 5785MHz Ant1 NTN



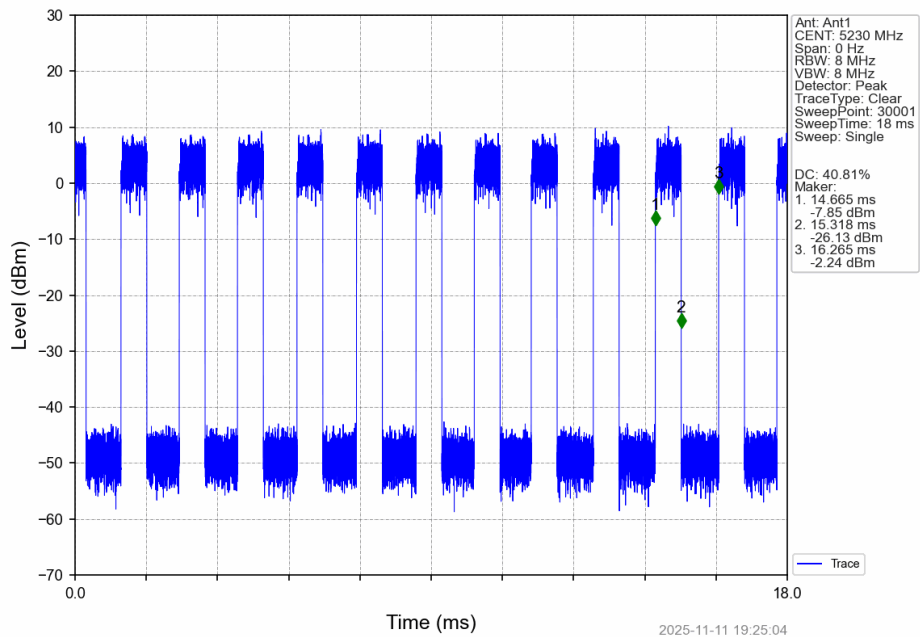
802.11n(HT20)_HCH_5825MHz_Ant1_NTN



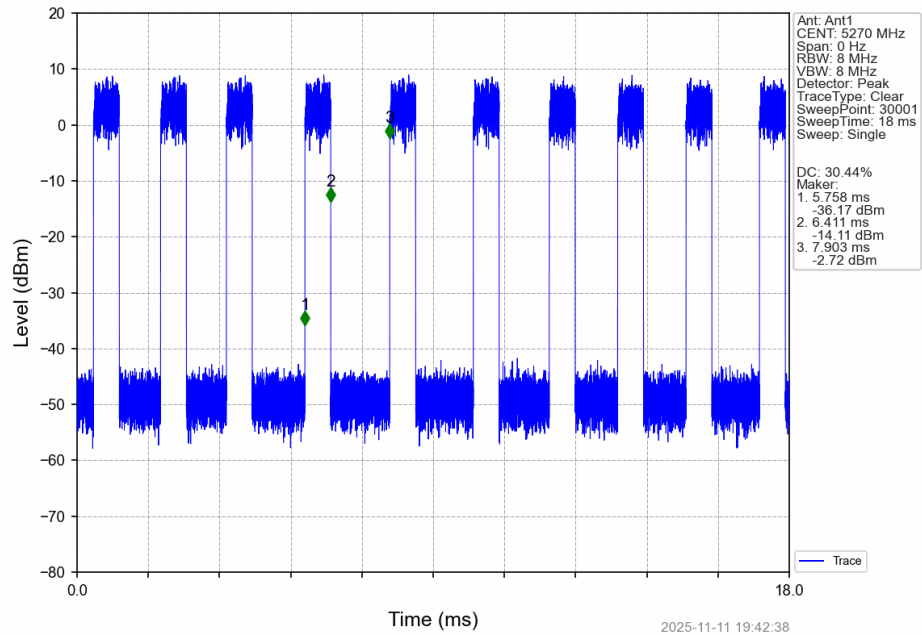
802.11n(HT40) LCH 5190MHz Ant1 NTN



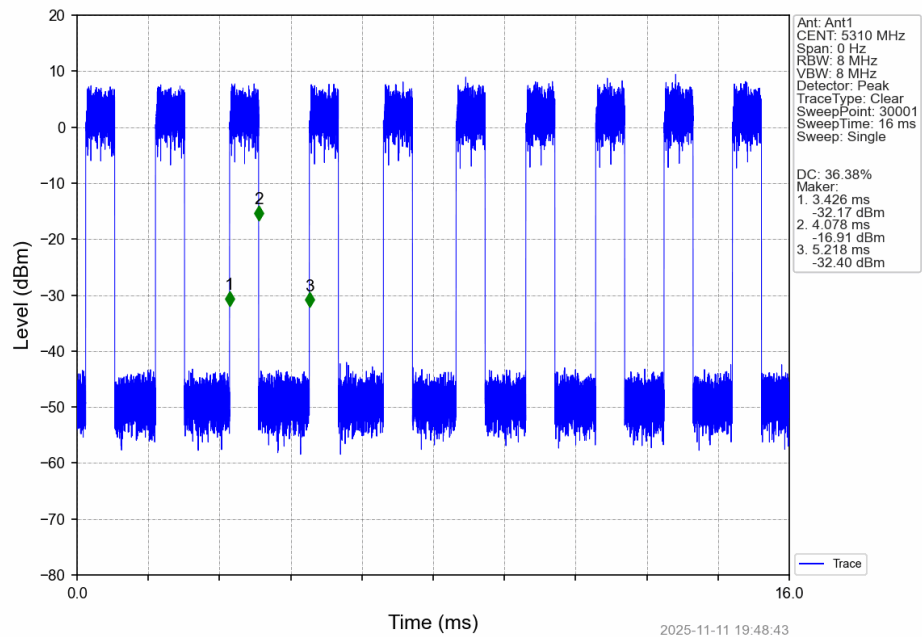
802.11n(HT40)_HCH_5230MHz_Ant1_NTN



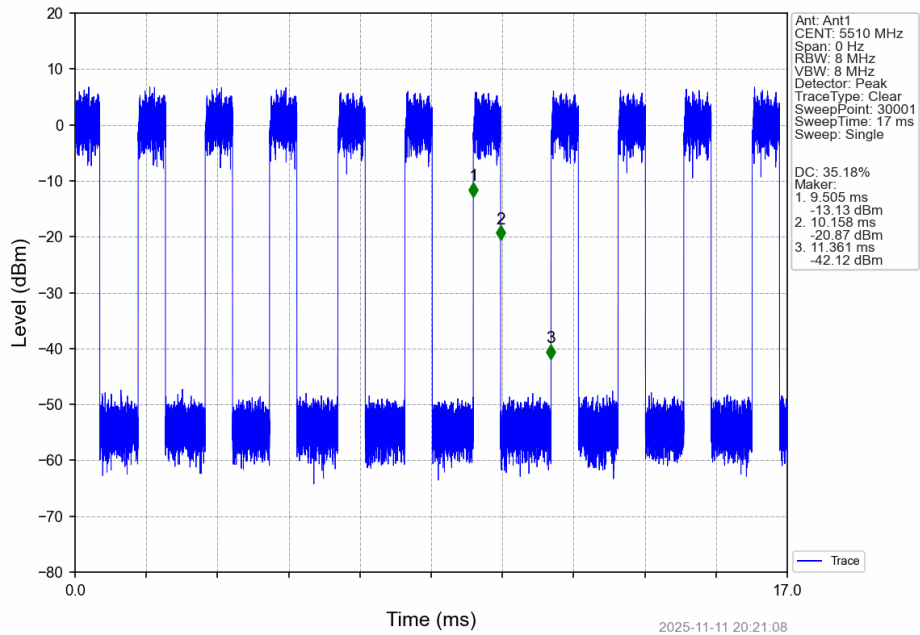
802.11n(HT40) LCH 5270MHz Ant1 NTN



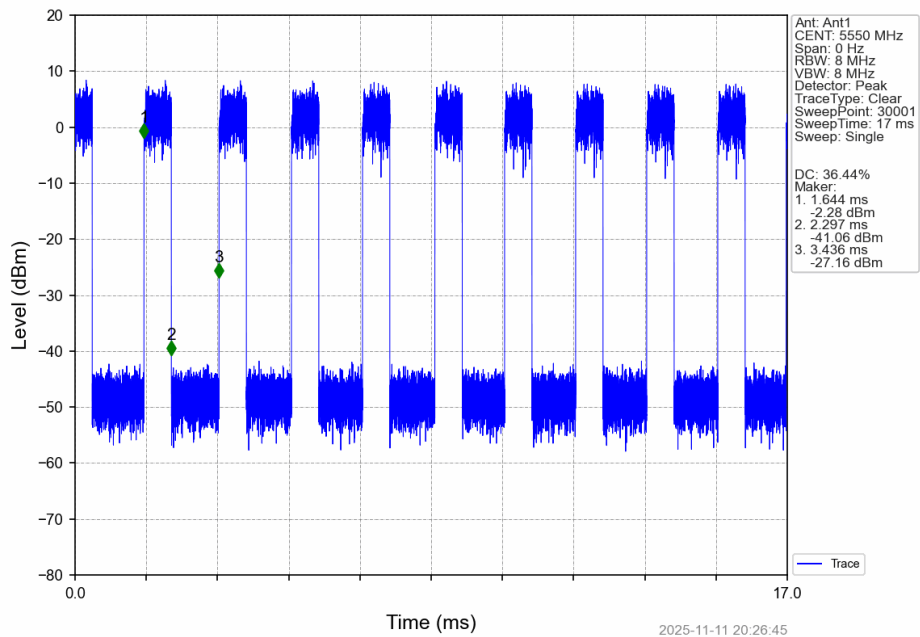
802.11n(HT40)_HCH_5310MHz_Ant1_NTN



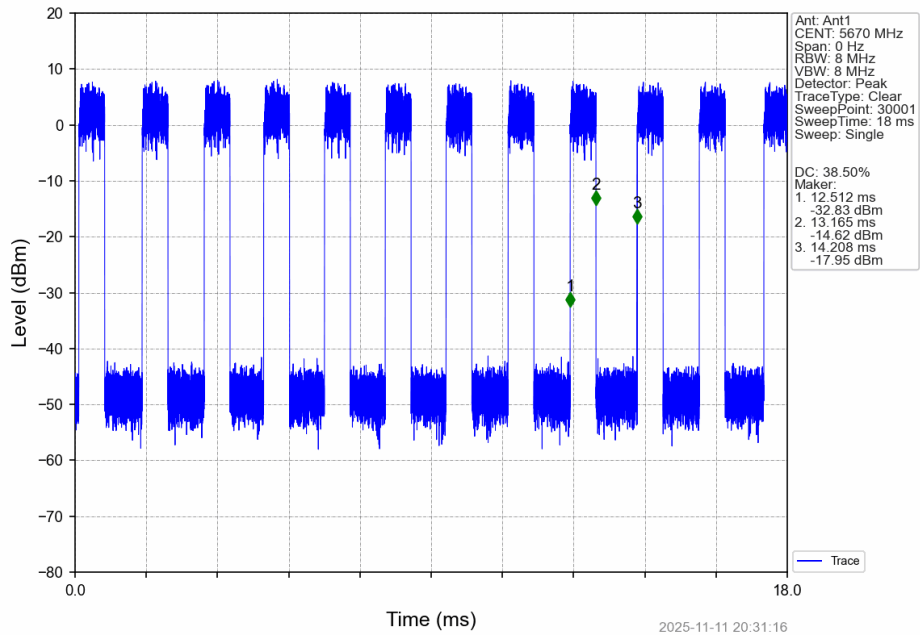
802.11n(HT40) LCH 5510MHz Ant1 NTN



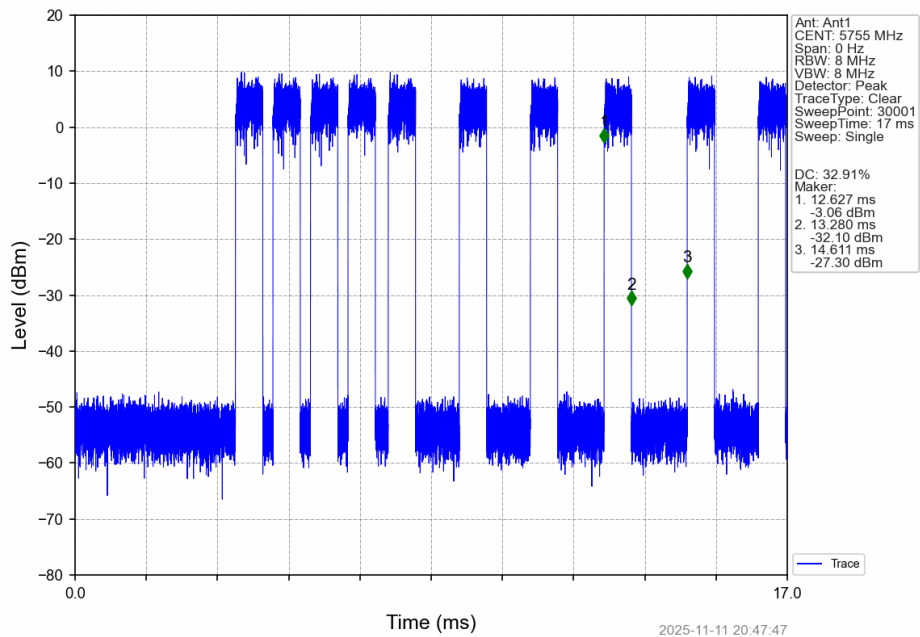
802.11n(HT40)_MCH_5550MHz_Ant1_NTN



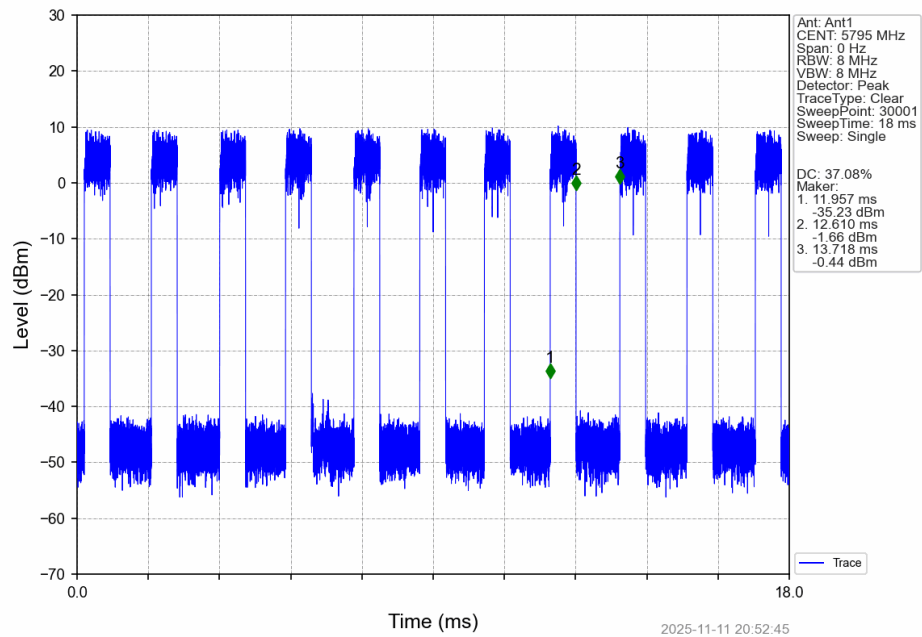
802.11n(HT40) HCH 5670MHz Ant1 NTN



802.11n(HT40)_LCH_5755MHz_Ant1_NTN



802.11n(HT40) HCH 5795MHz Ant1 NTN



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	17.131	/	Pass
		5200	1	17.431	/	Pass
		5240	1	17.373	/	Pass
		5260	1	17.348	/	Pass
		5300	1	17.389	/	Pass
		5320	1	17.356	/	Pass
		5500	1	17.370	/	Pass
		5580	1	17.417	/	Pass
		5700	1	17.492	/	Pass
		5745	1	17.336	/	Pass
		5785	1	17.348	/	Pass
		5825	1	17.418	/	Pass
802.11n (HT20)	SISO	5180	1	18.130	/	Pass
		5200	1	18.220	/	Pass
		5240	1	18.365	/	Pass
		5260	1	18.286	/	Pass
		5300	1	18.255	/	Pass
		5320	1	18.276	/	Pass
		5500	1	18.307	/	Pass
		5580	1	18.241	/	Pass
		5700	1	18.229	/	Pass
		5745	1	18.304	/	Pass
		5785	1	18.195	/	Pass
		5825	1	18.192	/	Pass
802.11n (HT40)	SISO	5190	1	36.596	/	Pass
		5230	1	36.610	/	Pass
		5270	1	36.721	/	Pass
		5310	1	36.568	/	Pass
		5510	1	36.744	/	Pass
		5550	1	36.595	/	Pass
		5670	1	36.745	/	Pass
		5755	1	36.605	/	Pass
		5795	1	36.569	/	Pass

2.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	21.630	/	Pass
		5200	1	21.534	/	Pass
		5240	1	21.913	/	Pass
		5260	1	21.208	/	Pass
		5300	1	21.776	/	Pass
		5320	1	21.435	/	Pass
		5500	1	21.738	/	Pass
		5580	1	21.441	/	Pass

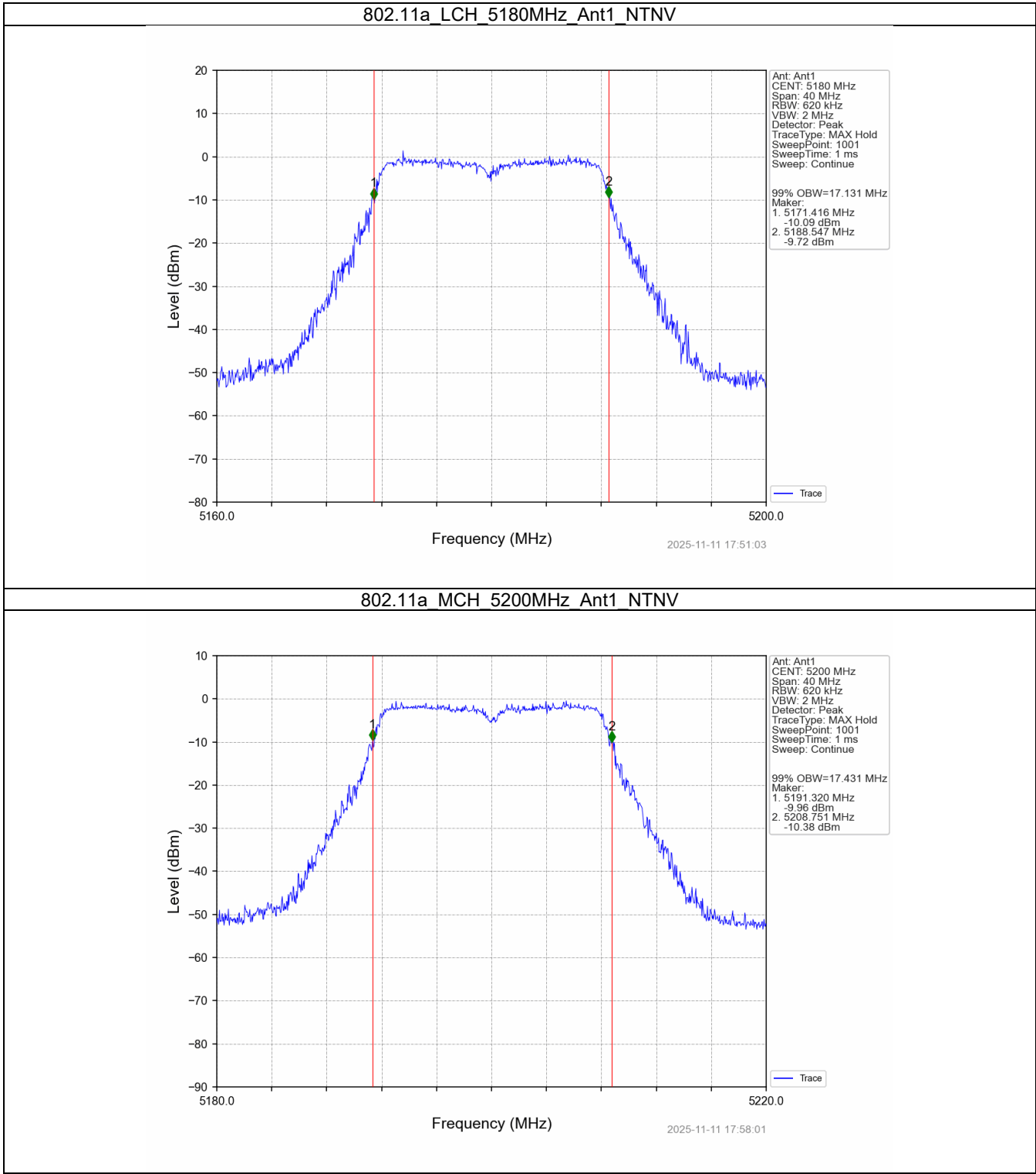
		5700	1	21.450	/	Pass
802.11n (HT20)	SISO	5180	1	22.184	/	Pass
		5200	1	22.715	/	Pass
		5240	1	21.795	/	Pass
		5260	1	22.288	/	Pass
		5300	1	22.931	/	Pass
		5320	1	22.103	/	Pass
		5500	1	22.110	/	Pass
		5580	1	21.806	/	Pass
		5700	1	21.916	/	Pass
802.11n (HT40)	SISO	5190	1	42.053	/	Pass
		5230	1	42.263	/	Pass
		5270	1	42.454	/	Pass
		5310	1	41.948	/	Pass
		5510	1	43.059	/	Pass
		5550	1	43.088	/	Pass
		5670	1	42.798	/	Pass

2.1.3 6dB BW

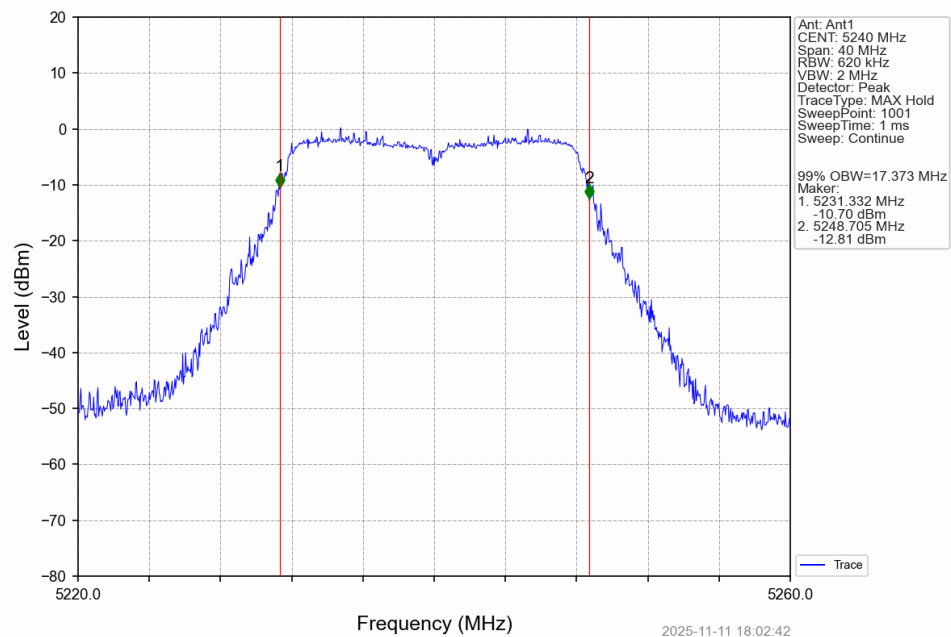
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.379	≥ 0.5	Pass
		5785	1	16.373	≥ 0.5	Pass
		5825	1	16.378	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	1	16.932	≥ 0.5	Pass
		5785	1	17.533	≥ 0.5	Pass
		5825	1	17.017	≥ 0.5	Pass
802.11n (HT40)	SISO	5755	1	36.096	≥ 0.5	Pass
		5795	1	35.578	≥ 0.5	Pass

2.2 Test Graph

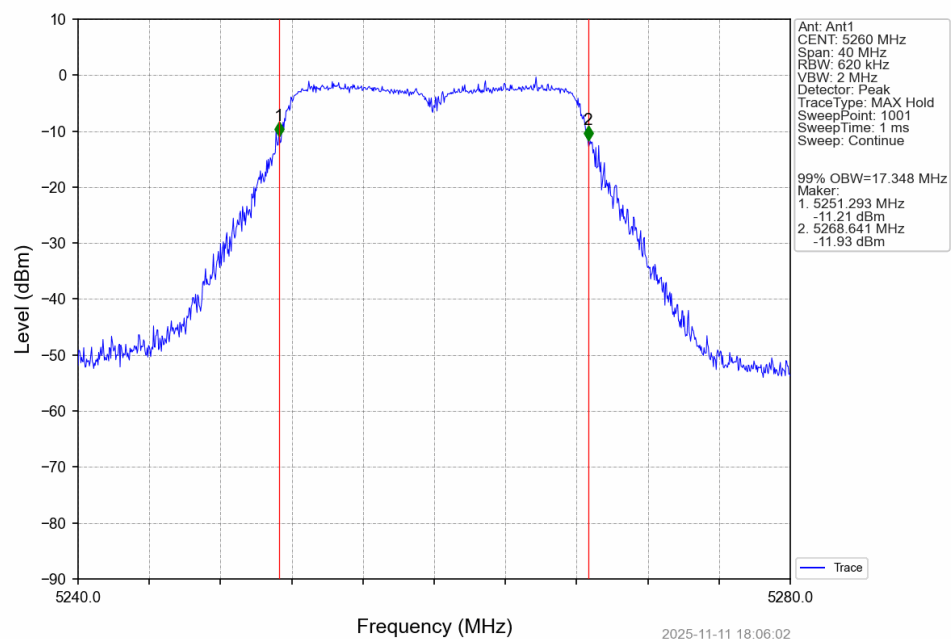
2.2.1 OBW



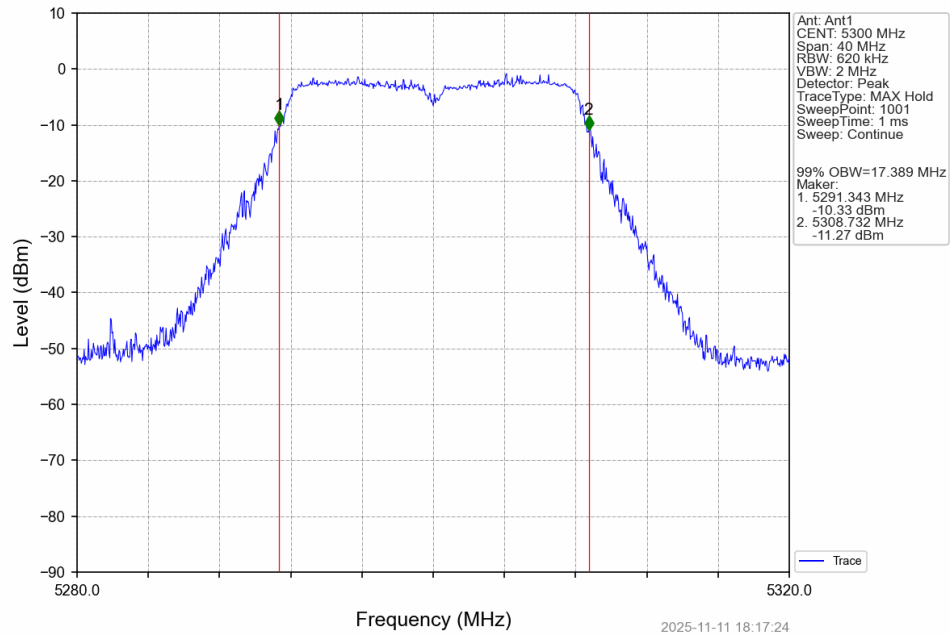
802.11a_HCH_5240MHz_Ant1_NTNV



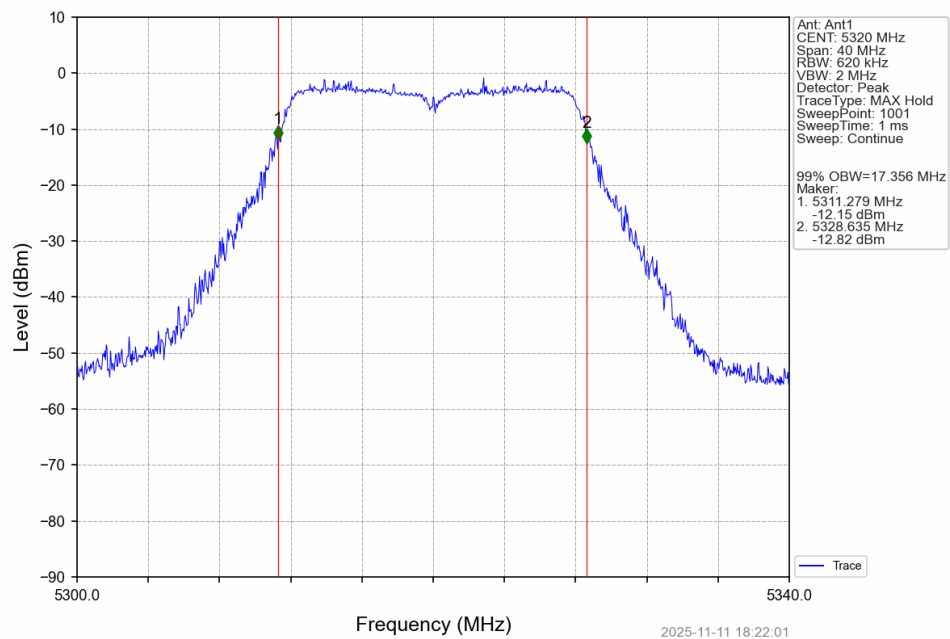
802.11a_LCH_5260MHz_Ant1_NTNV



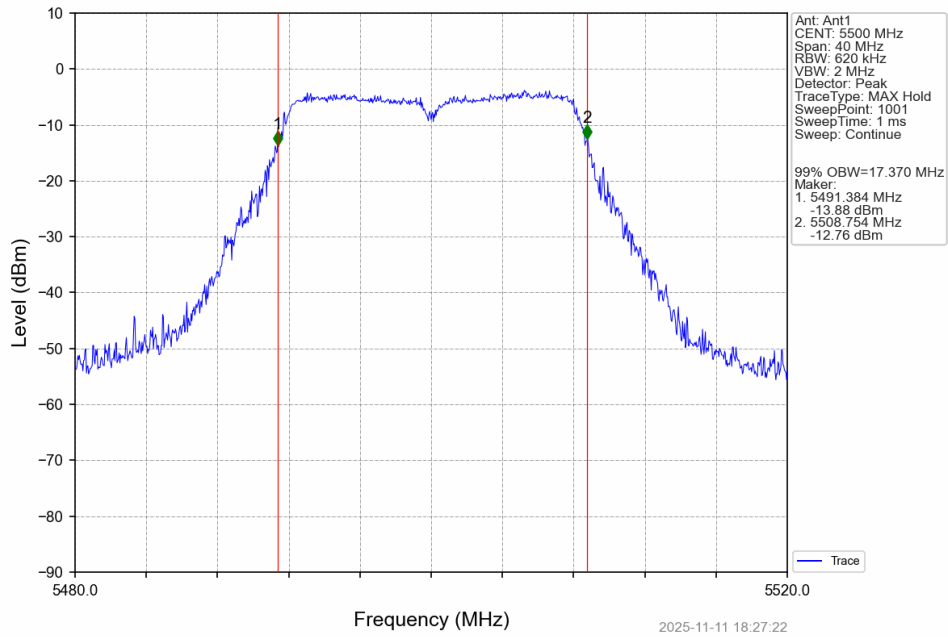
802.11a_MCH_5300MHz_Ant1_NTNV



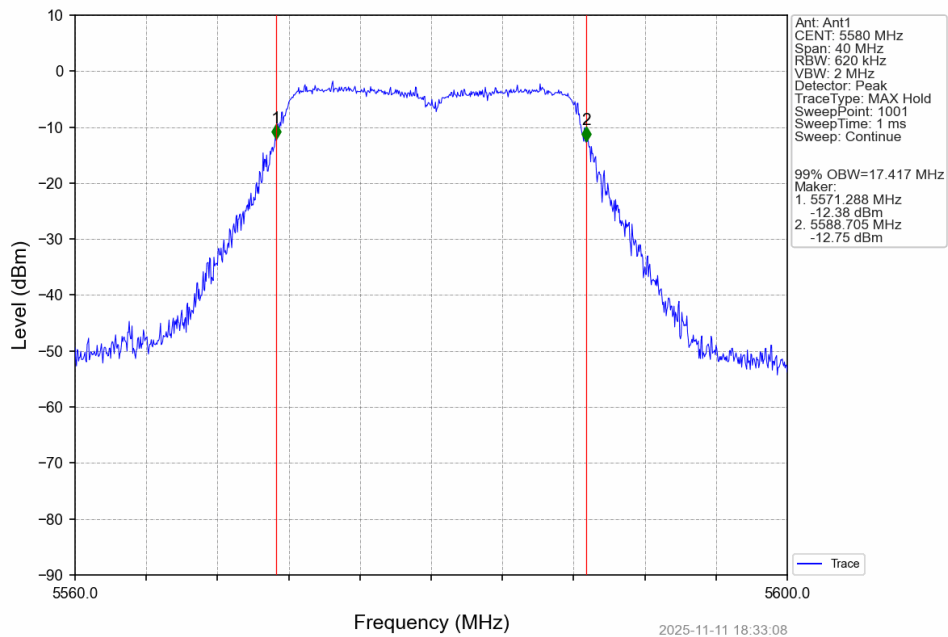
802.11a_HCH_5320MHz_Ant1_NTNV



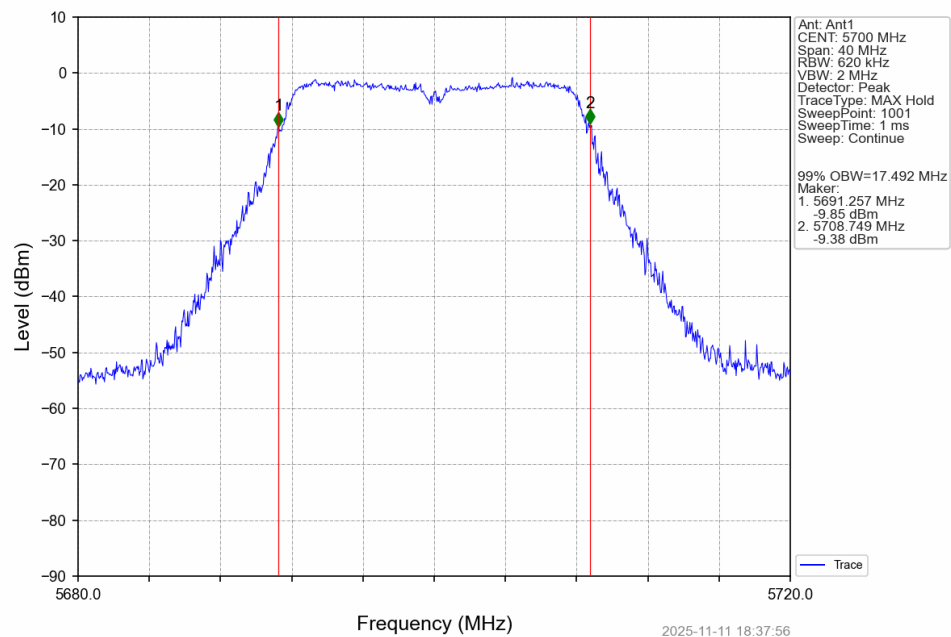
802.11a LCH 5500MHz Ant1 NTV



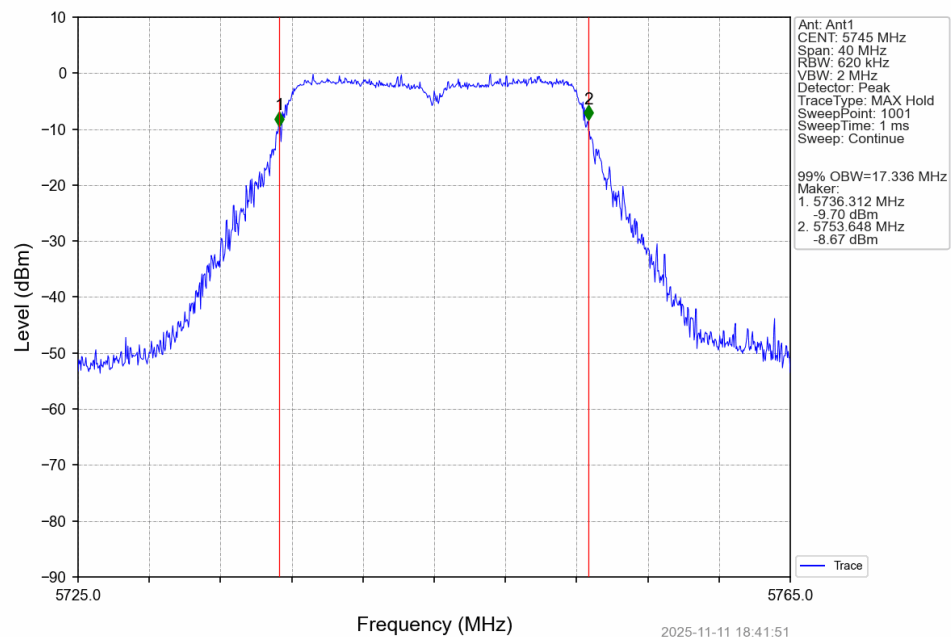
802.11a_MCH_5580MHz_Ant1_NTV



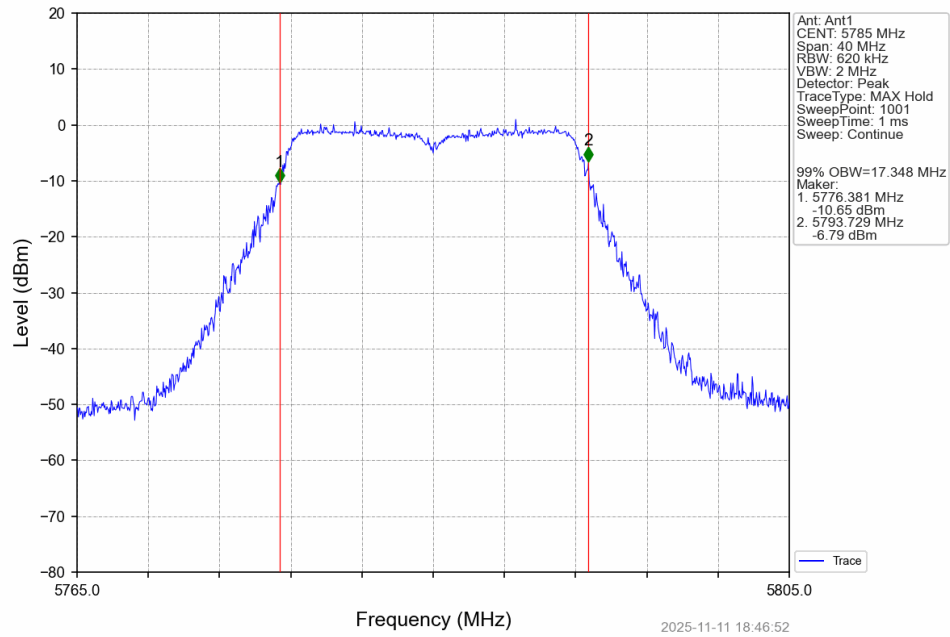
802.11a_HCH_5700MHz_Ant1_NTNV



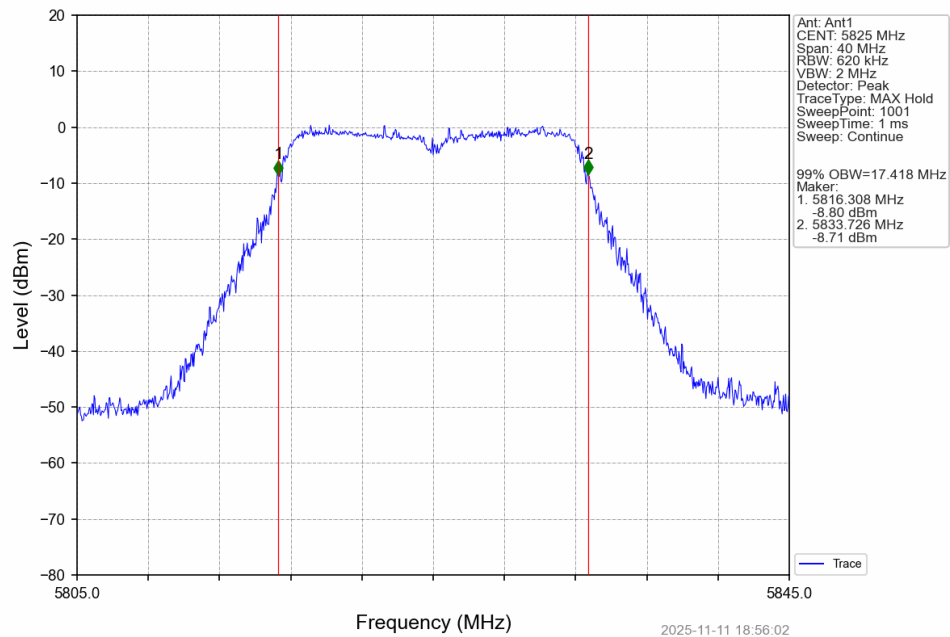
802.11a_LCH_5745MHz_Ant1_NTNV



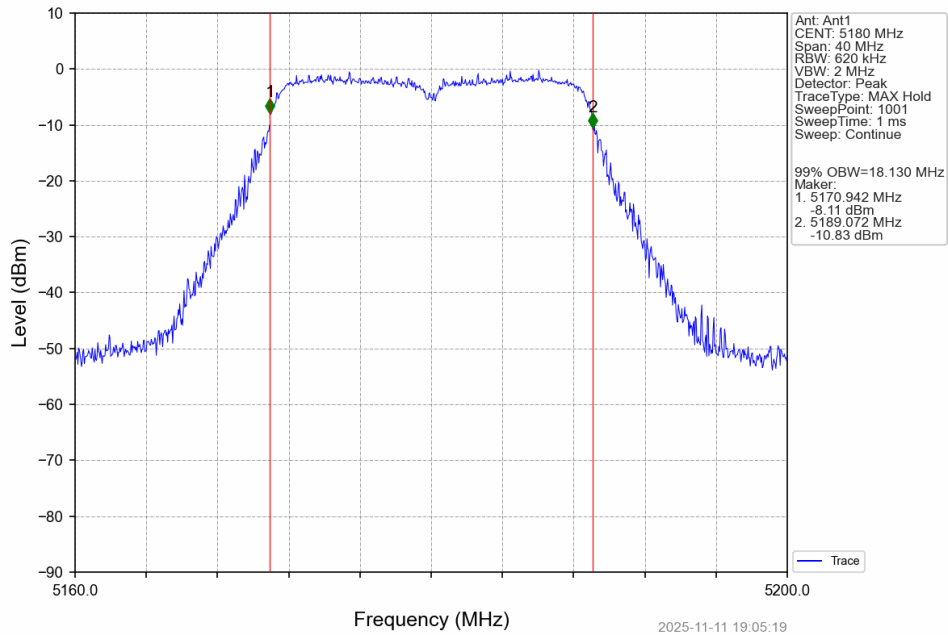
802.11a MCH 5785MHz Ant1 NTN



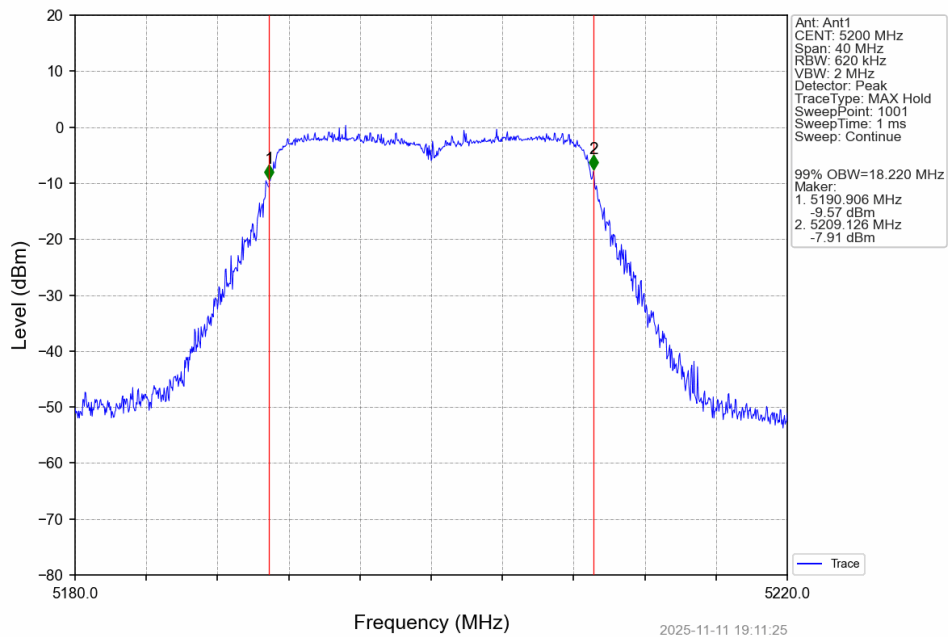
802.11a HCH 5825MHz Ant1 NTN



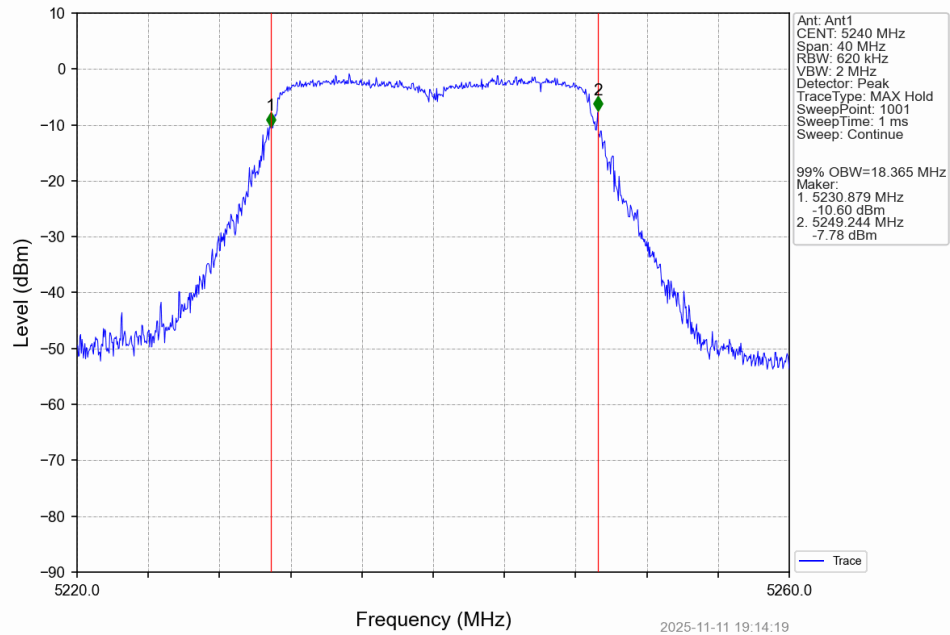
802.11n(HT20) LCH 5180MHz Ant1 NTN



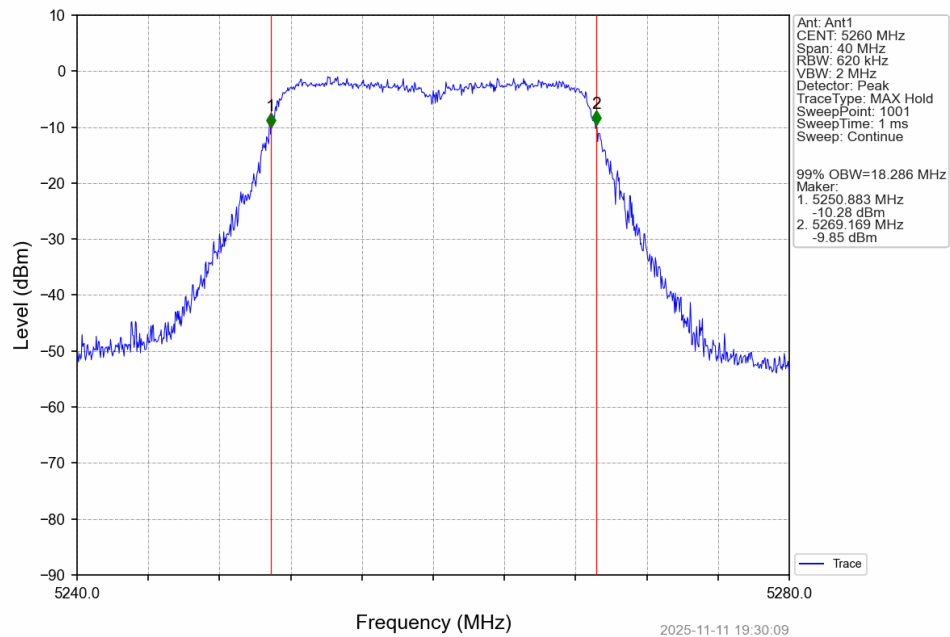
802.11n(HT20)_MCH_5200MHz_Ant1_NTN



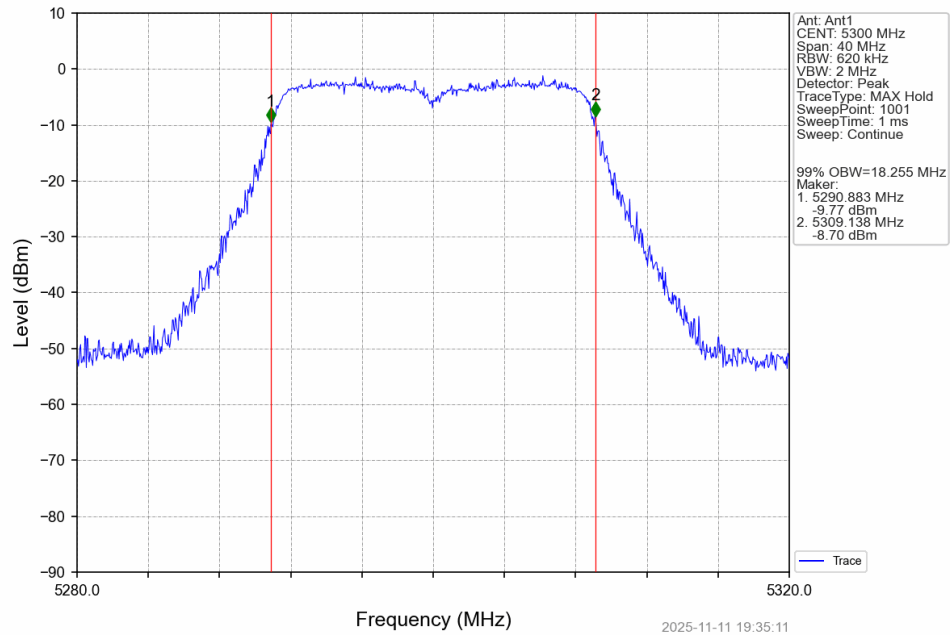
802.11n(HT20) HCH 5240MHz Ant1 NTN



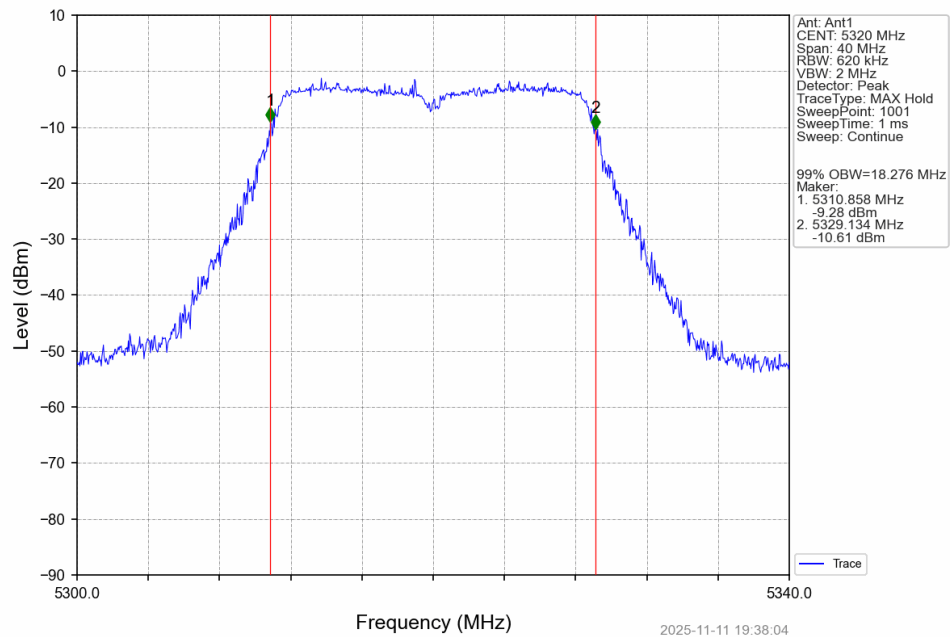
802.11n(HT20)_LCH_5260MHz_Ant1_NTN



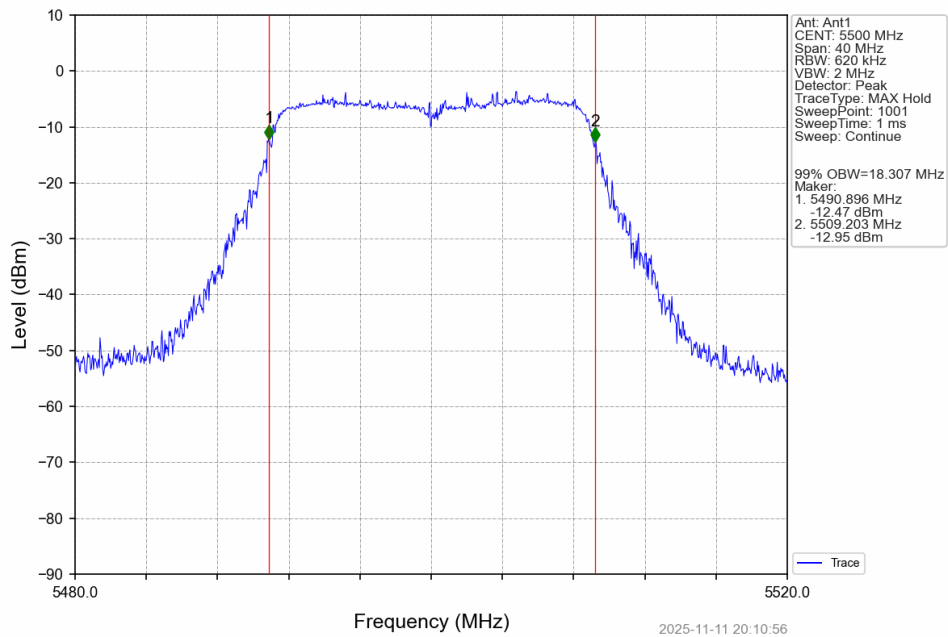
802.11n(HT20) MCH 5300MHz Ant1 NTN



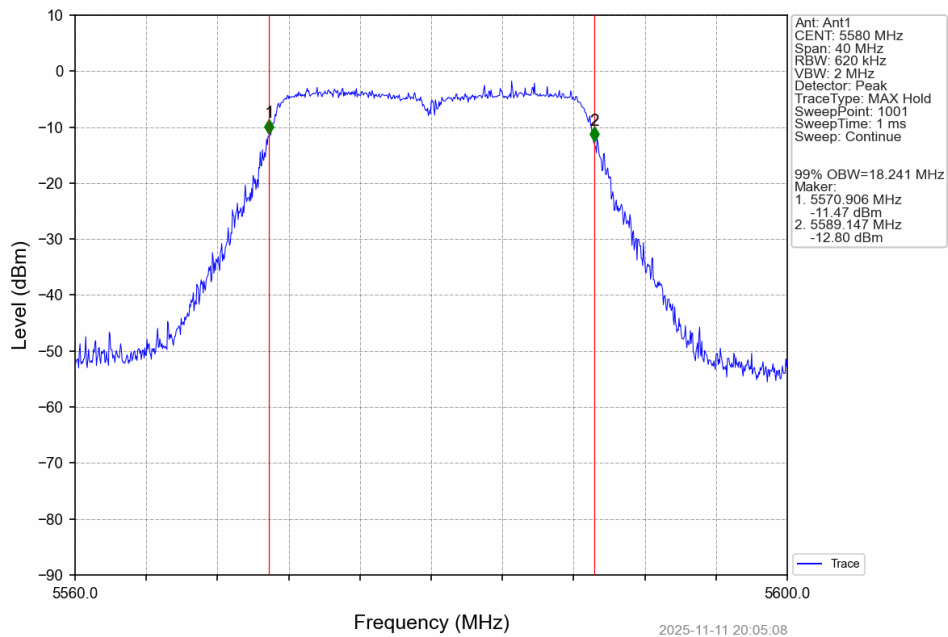
802.11n(HT20)_HCH_5320MHz_Ant1 NTN



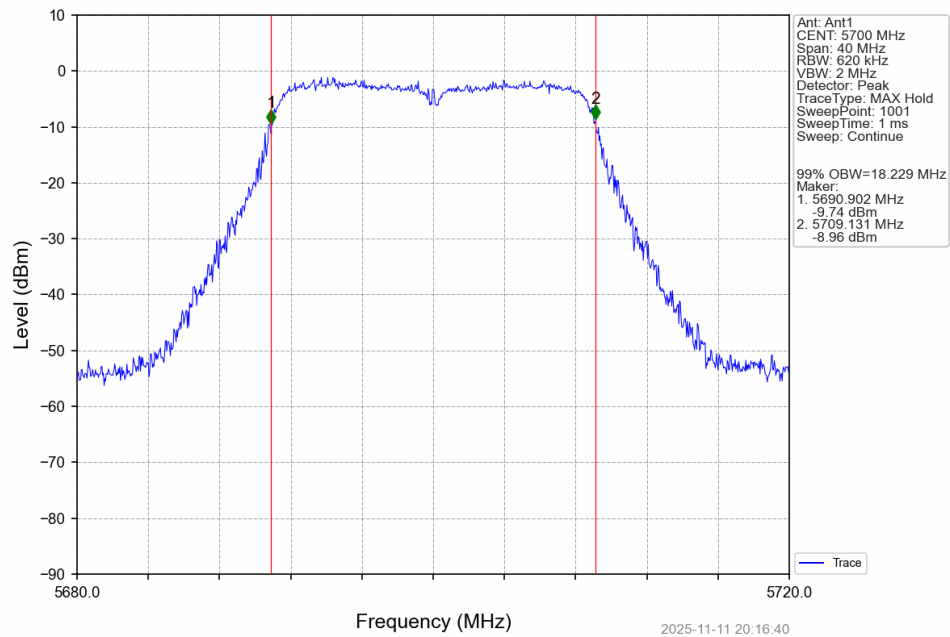
802.11n(HT20) LCH 5500MHz Ant1 NTN



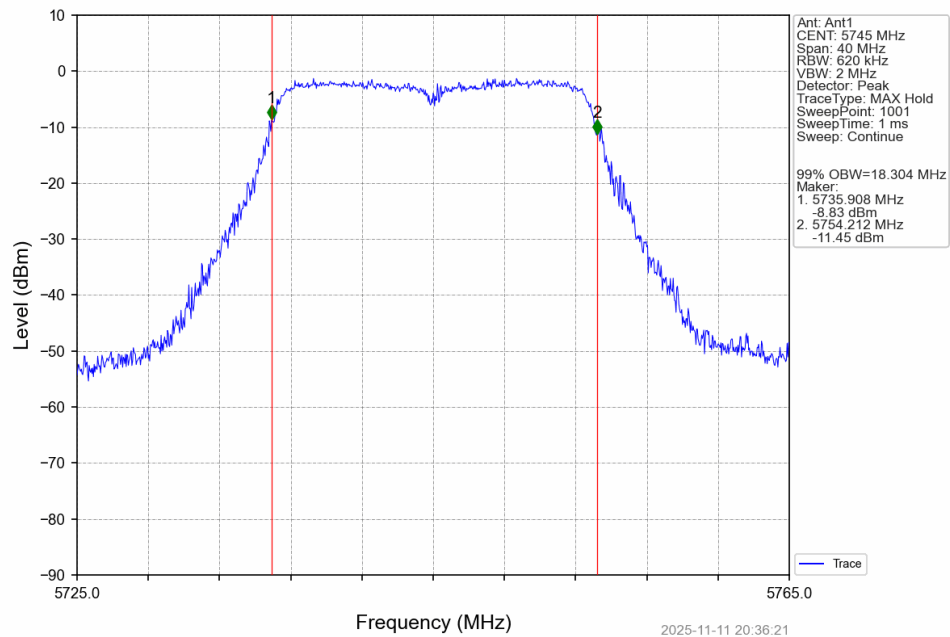
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



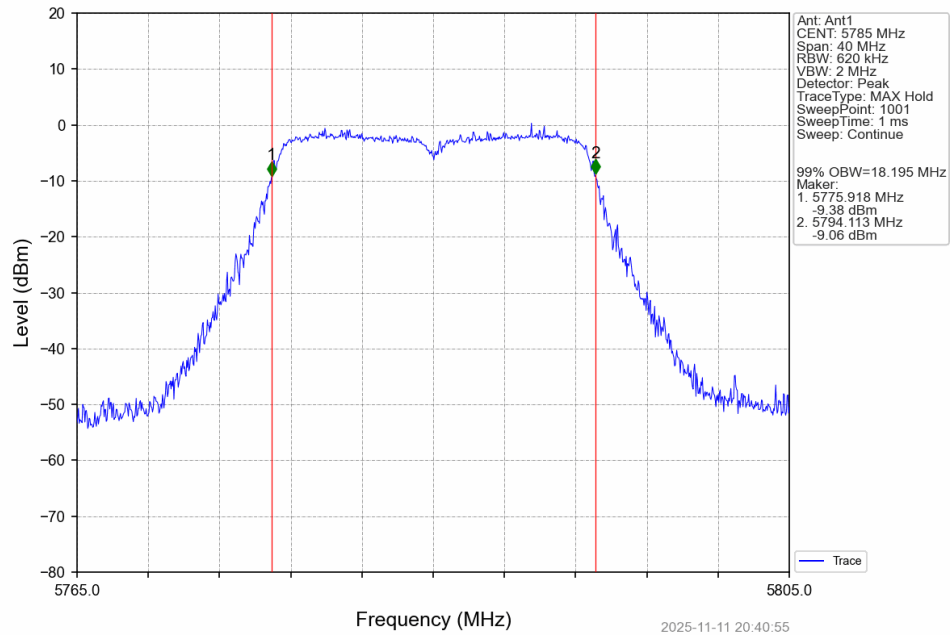
802.11n(HT20) HCH 5700MHz Ant1 NTN



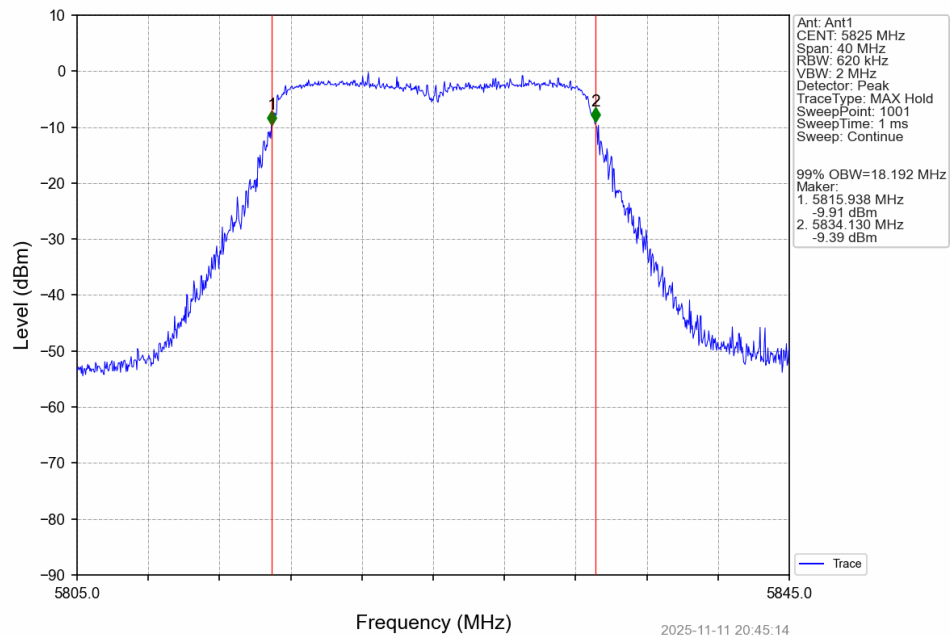
802.11n(HT20)_LCH_5745MHz_Ant1_NTN



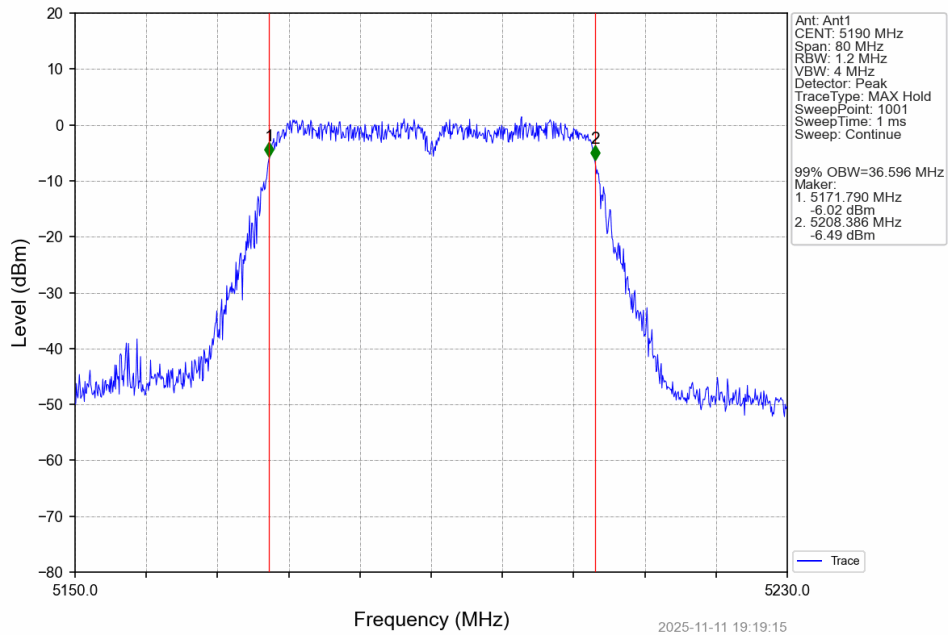
802.11n(HT20) MCH 5785MHz Ant1 NTN



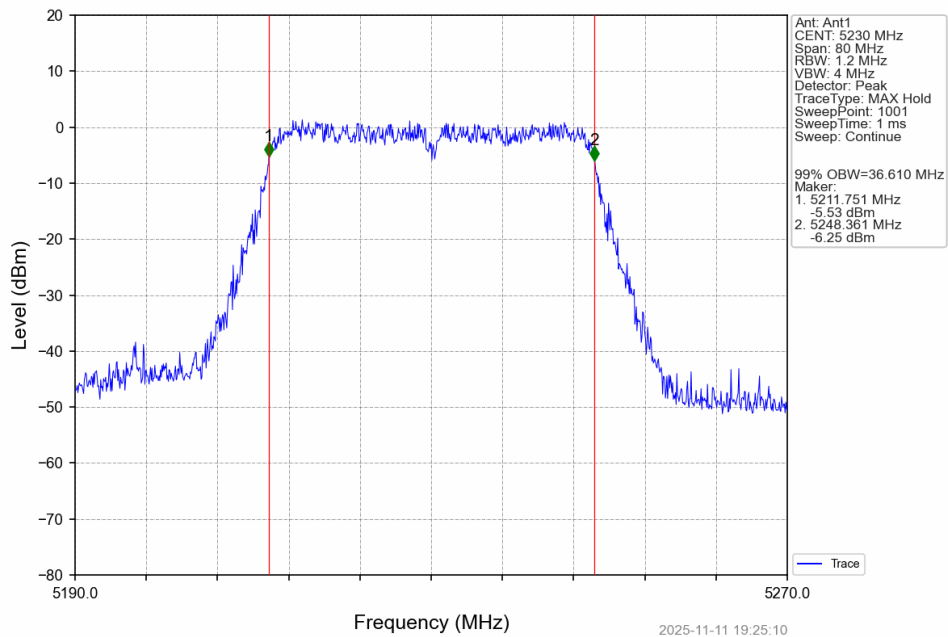
802.11n(HT20)_HCH_5825MHz_Ant1_NTN



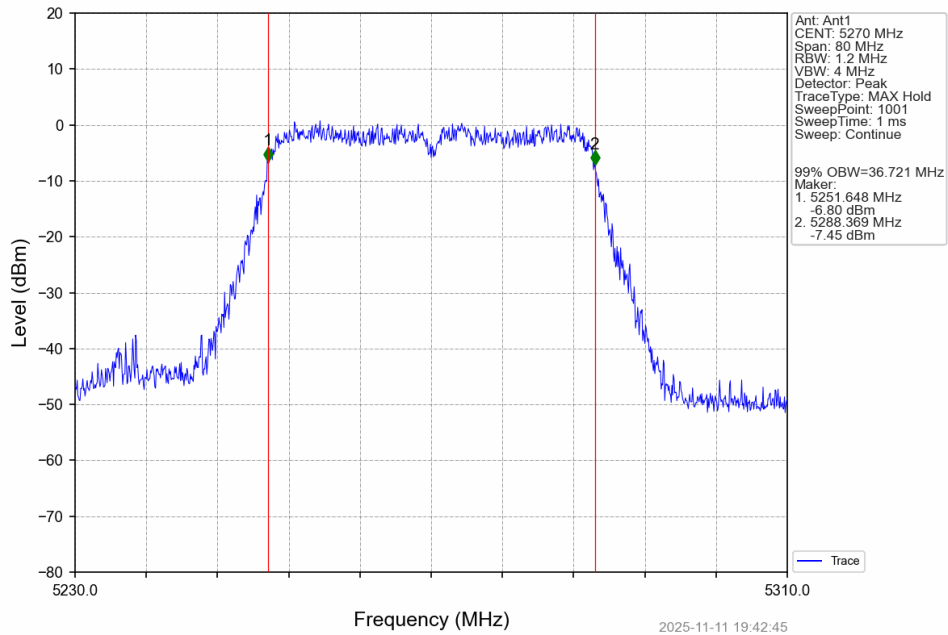
802.11n(HT40) LCH 5190MHz Ant1 NTN



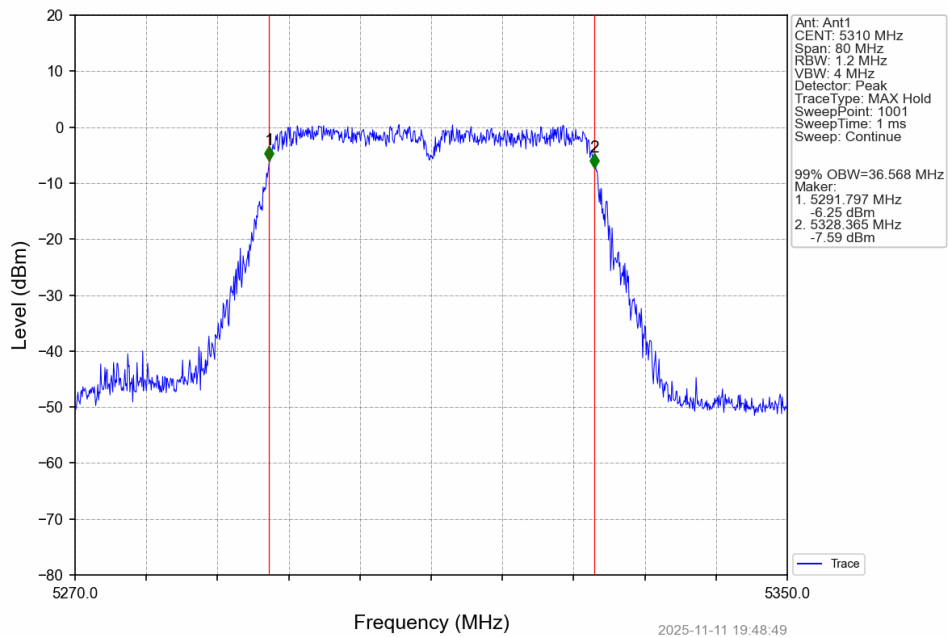
802.11n(HT40)_HCH 5230MHz Ant1 NTN



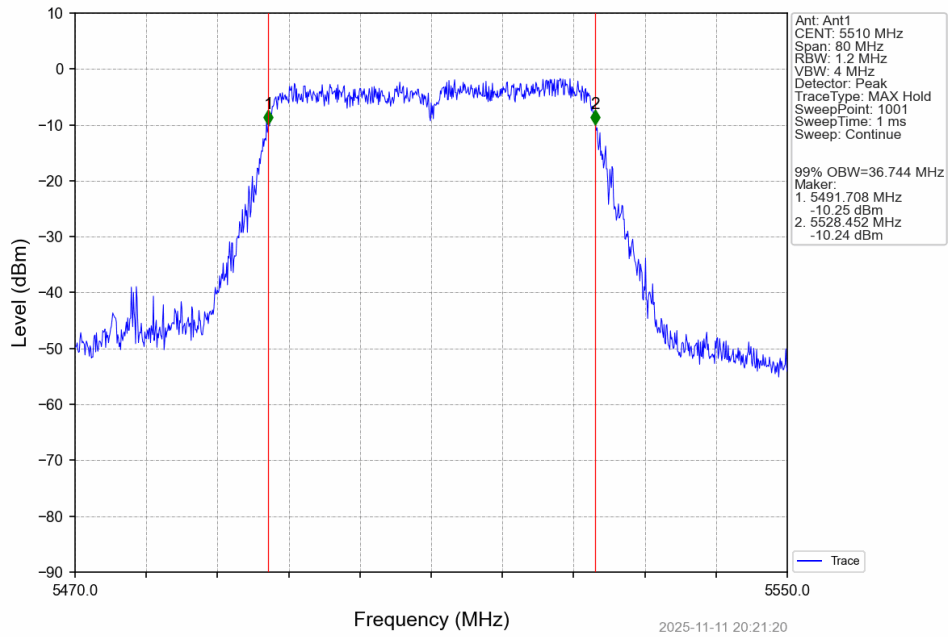
802.11n(HT40) LCH 5270MHz Ant1 NTN



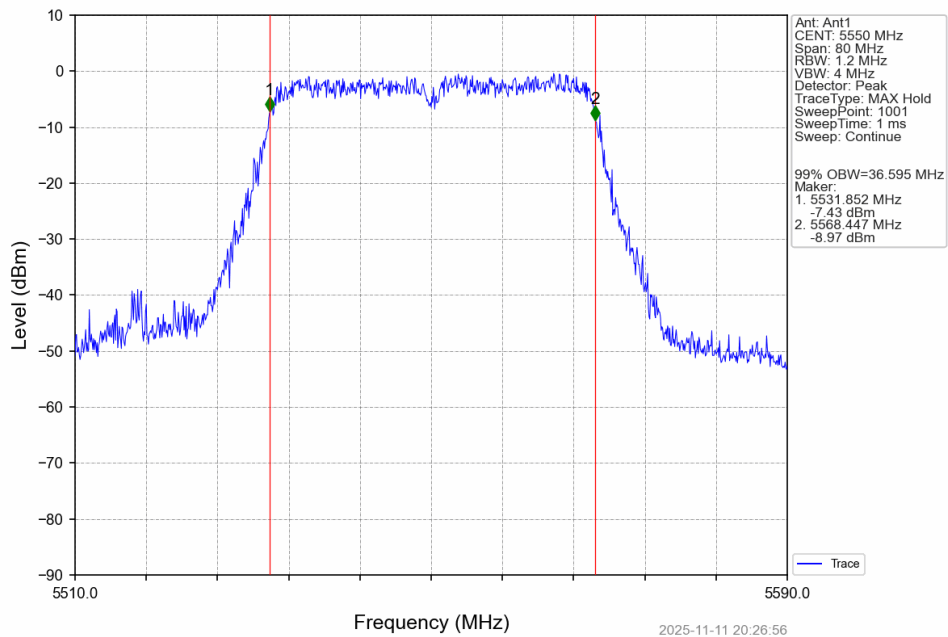
802.11n(HT40)_HCH 5310MHz_Ant1 NTN



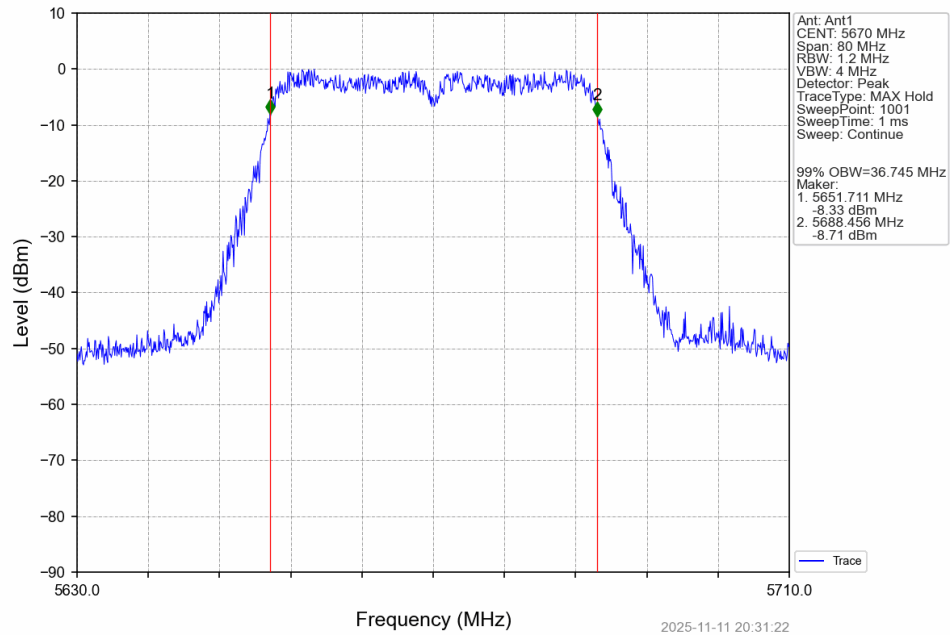
802.11n(HT40) LCH 5510MHz Ant1 NTN



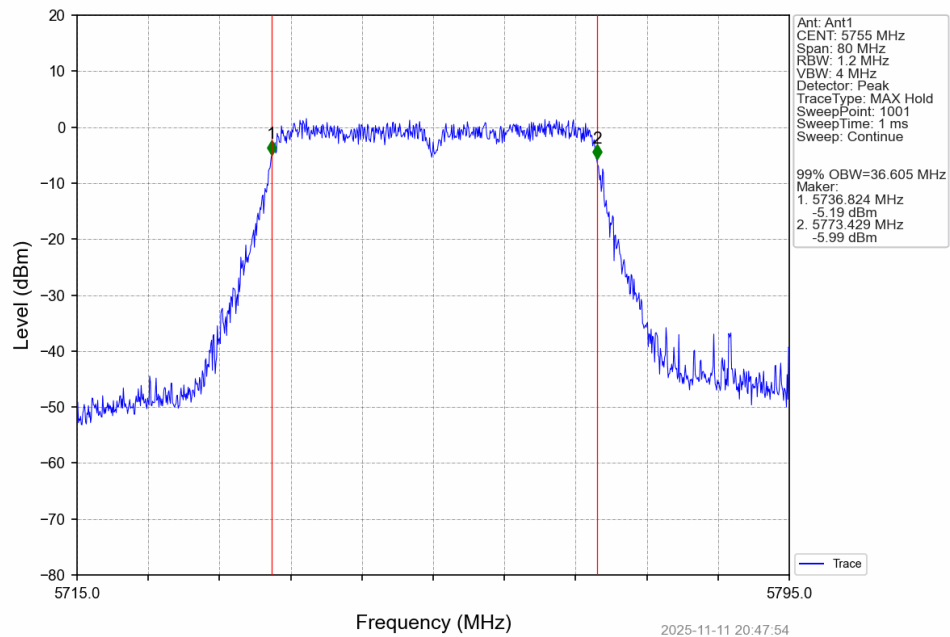
802.11n(HT40)_MCH_5550MHz_Ant1_NTN



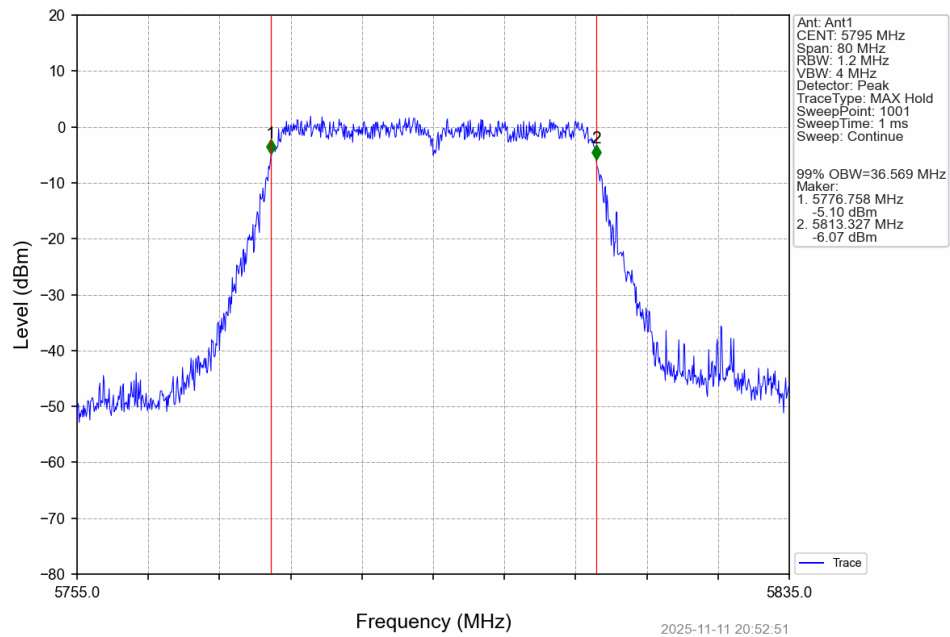
802.11n(HT40) HCH 5670MHz Ant1 NTN



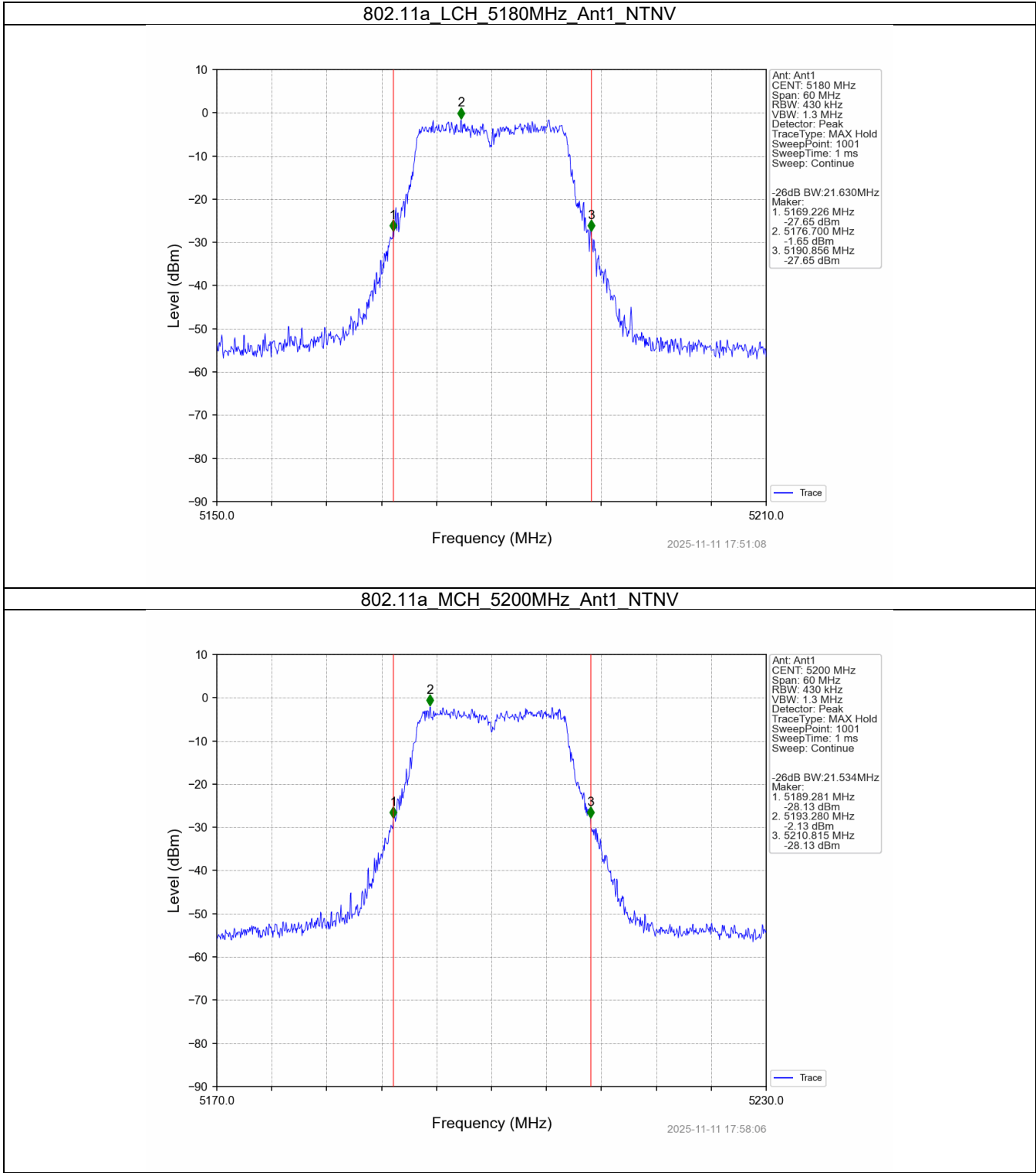
802.11n(HT40)_LCH_5755MHz_Ant1_NTN



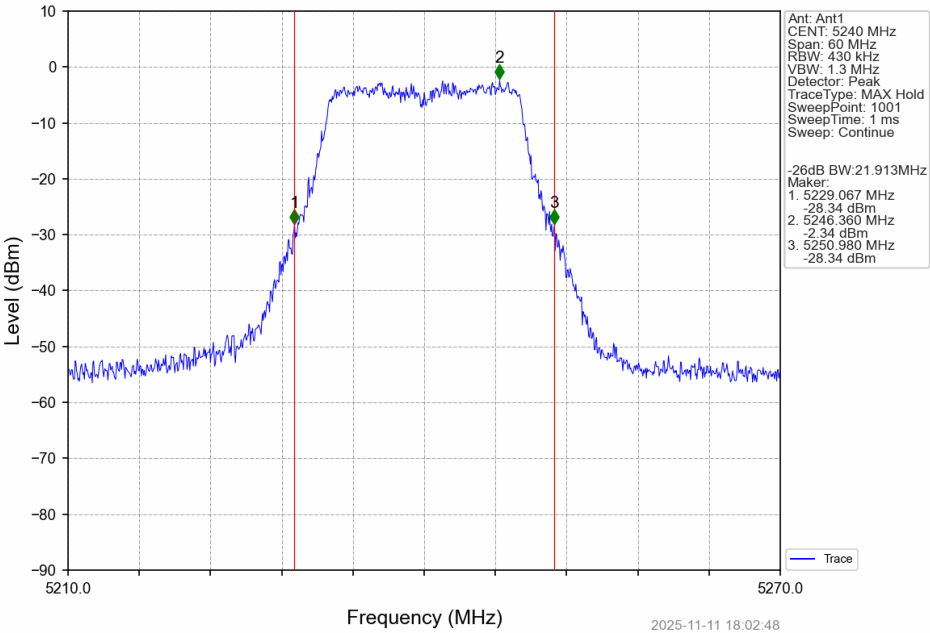
802.11n(HT40) HCH 5795MHz Ant1 NTN



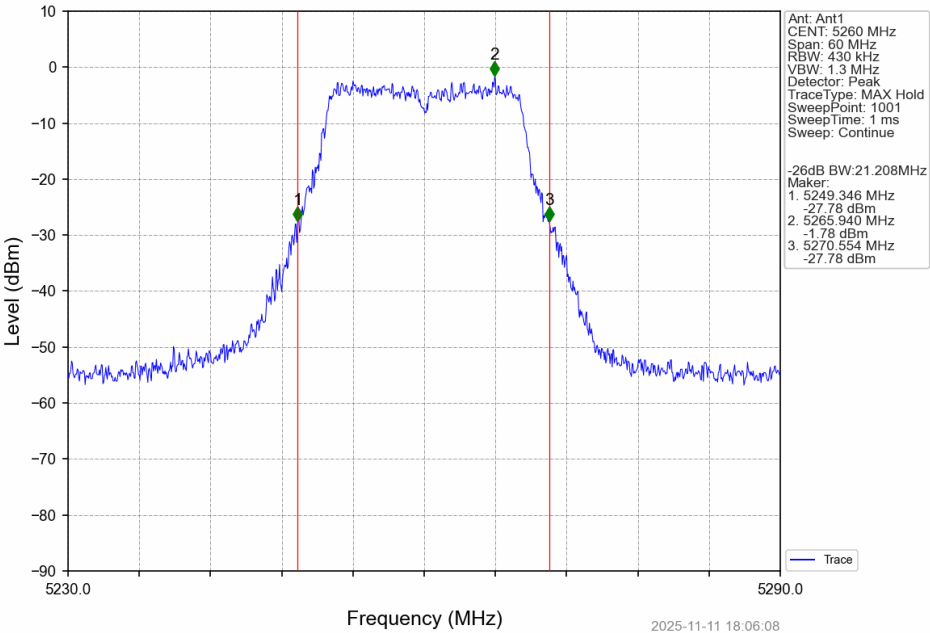
2.2.2 26dB BW



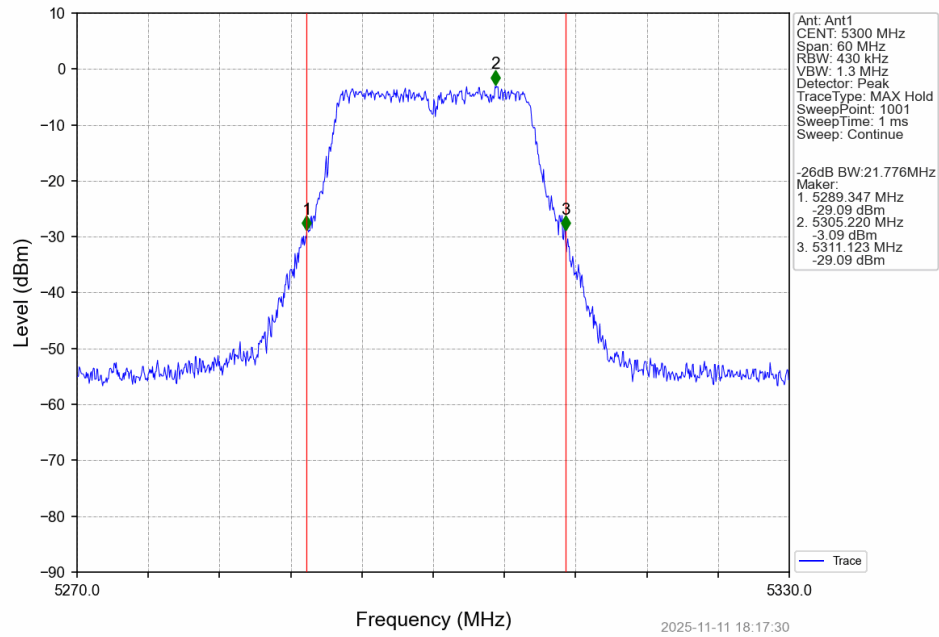
802.11a_HCH_5240MHz_Ant1_NTNV



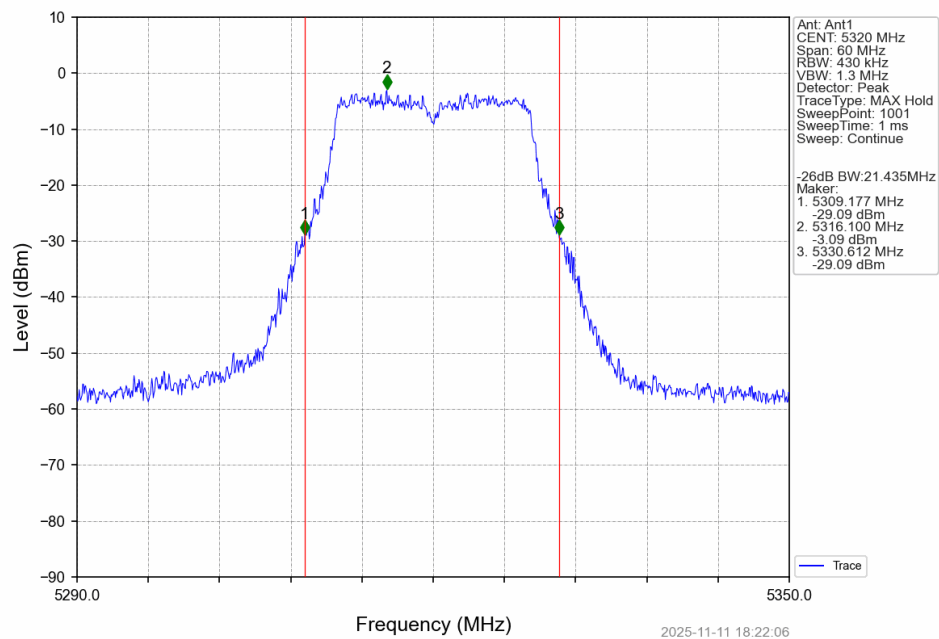
802.11a_LCH_5260MHz_Ant1_NTNV



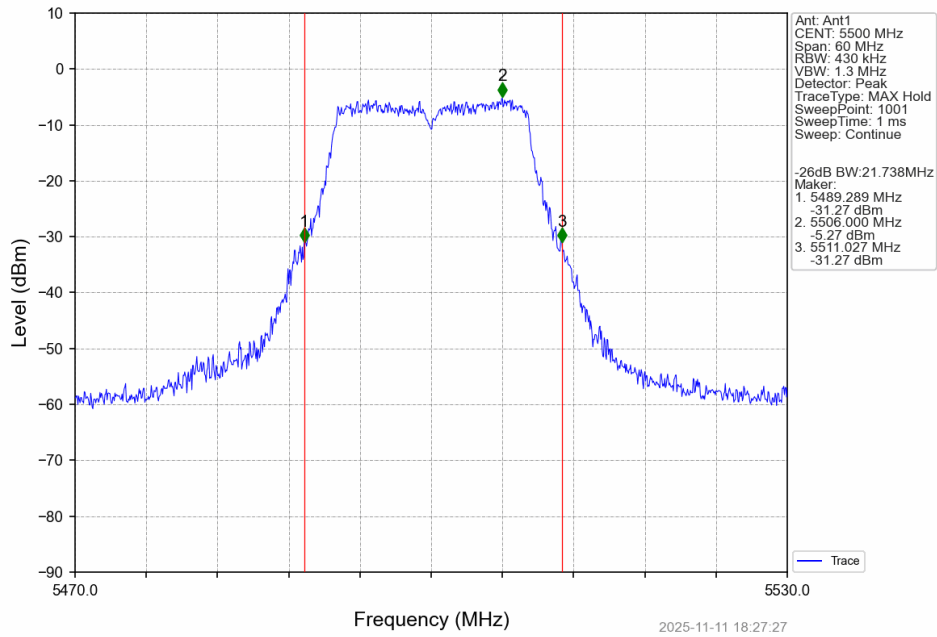
802.11a_MCH_5300MHz_Ant1_NTNV



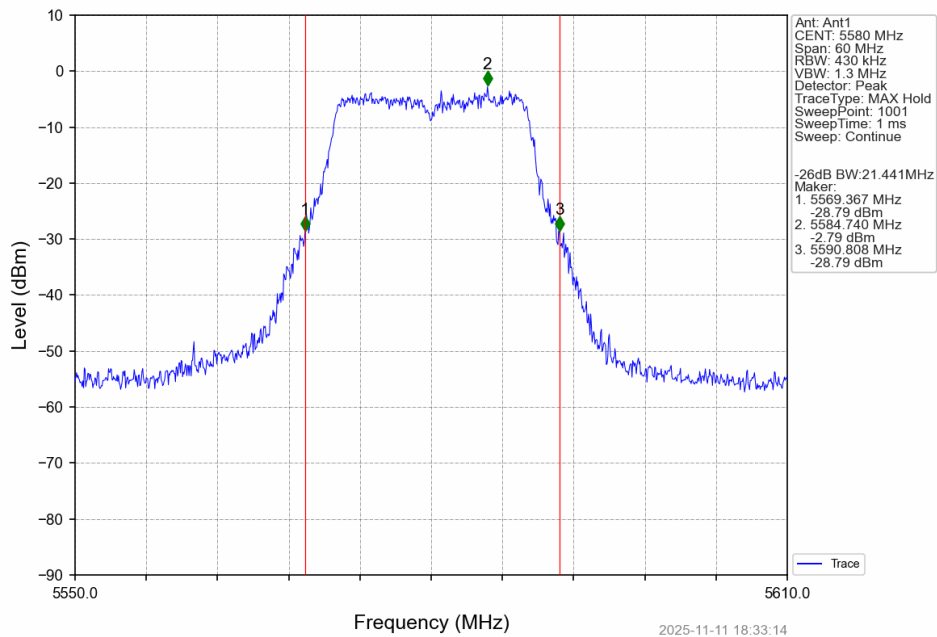
802.11a_HCH_5320MHz_Ant1_NTNV



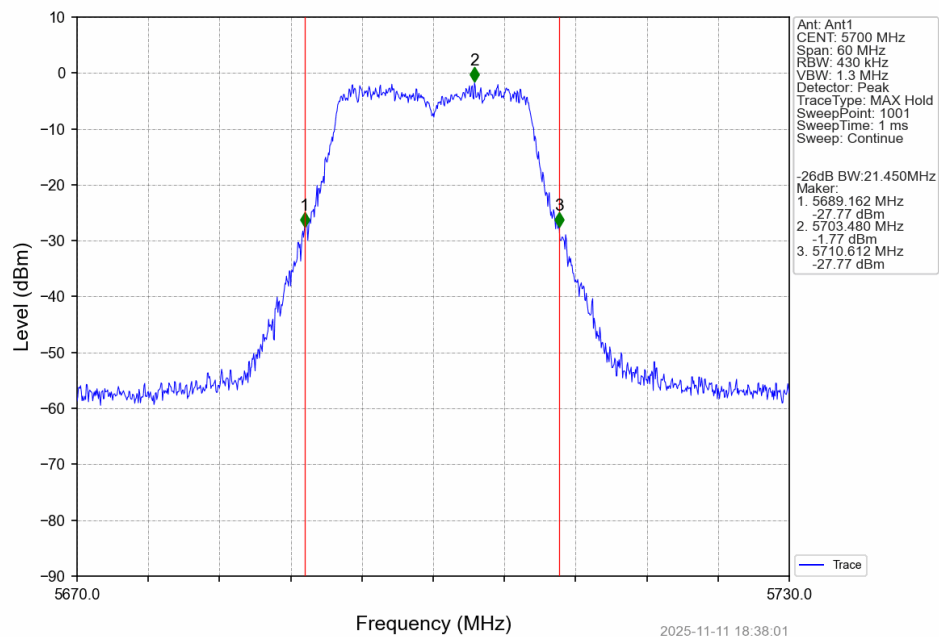
802.11a LCH 5500MHz Ant1 NTN



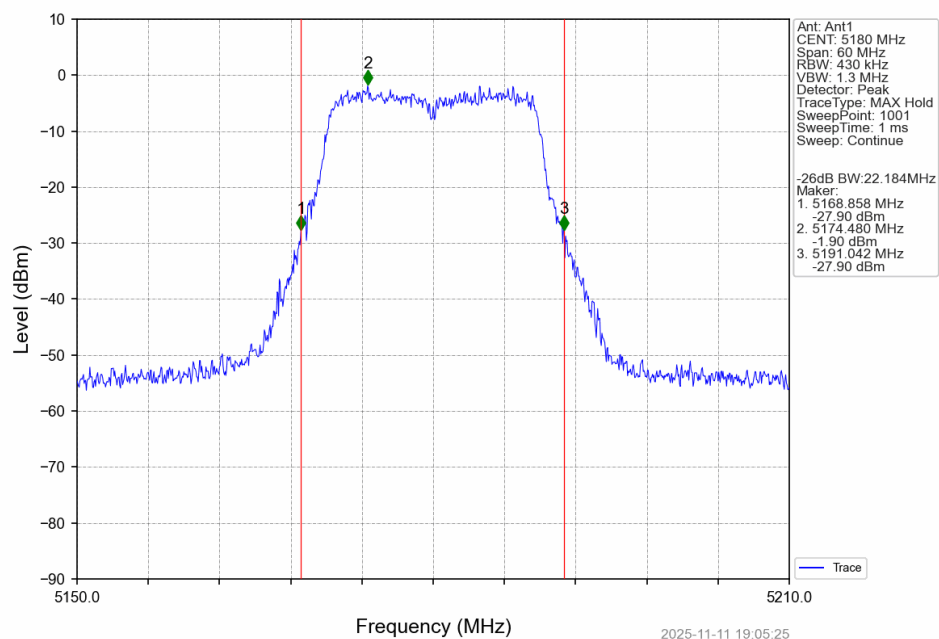
802.11a_MCH_5580MHz_Ant1_NTN



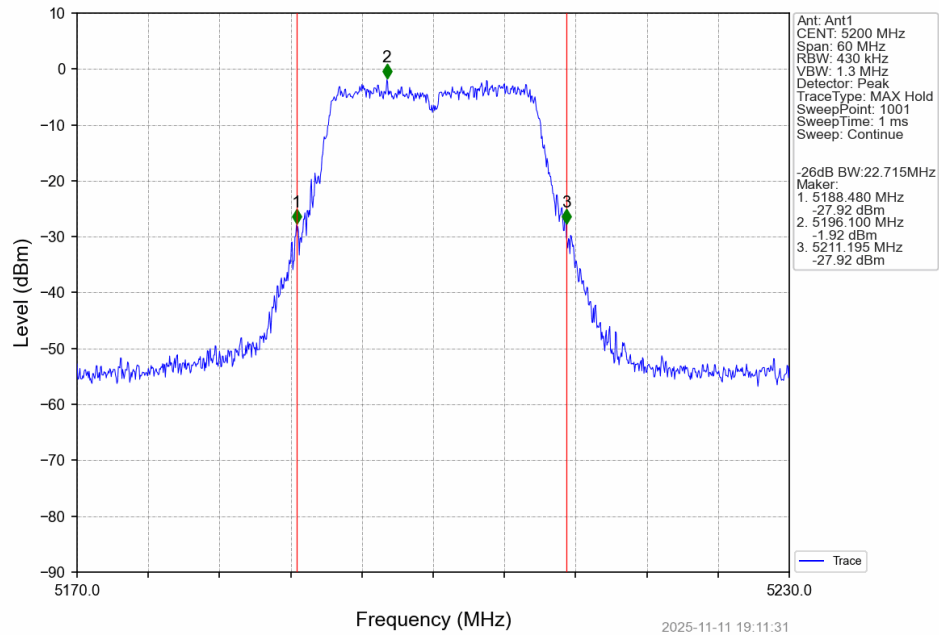
802.11a_HCH_5700MHz_Ant1_NTNV



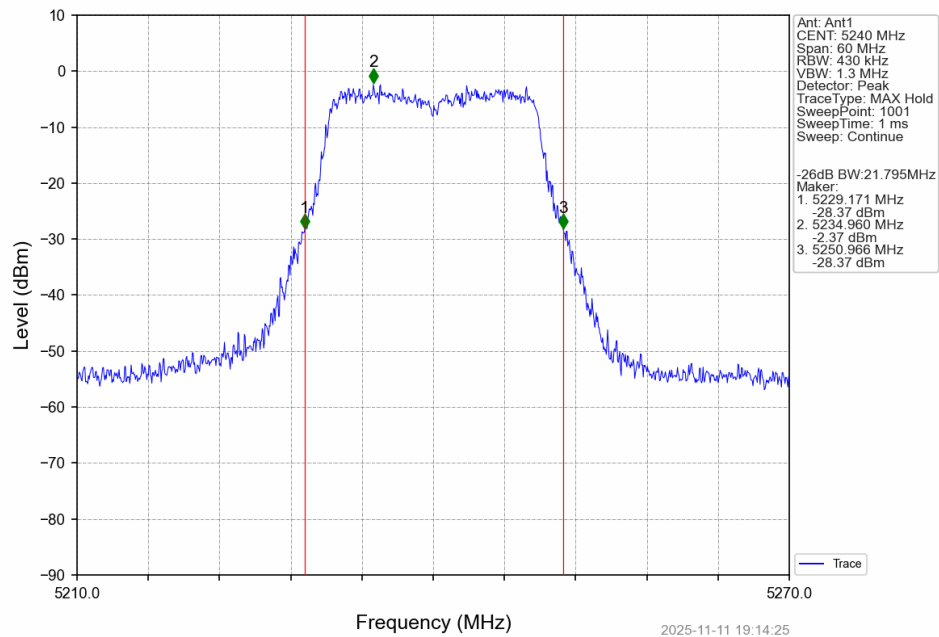
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



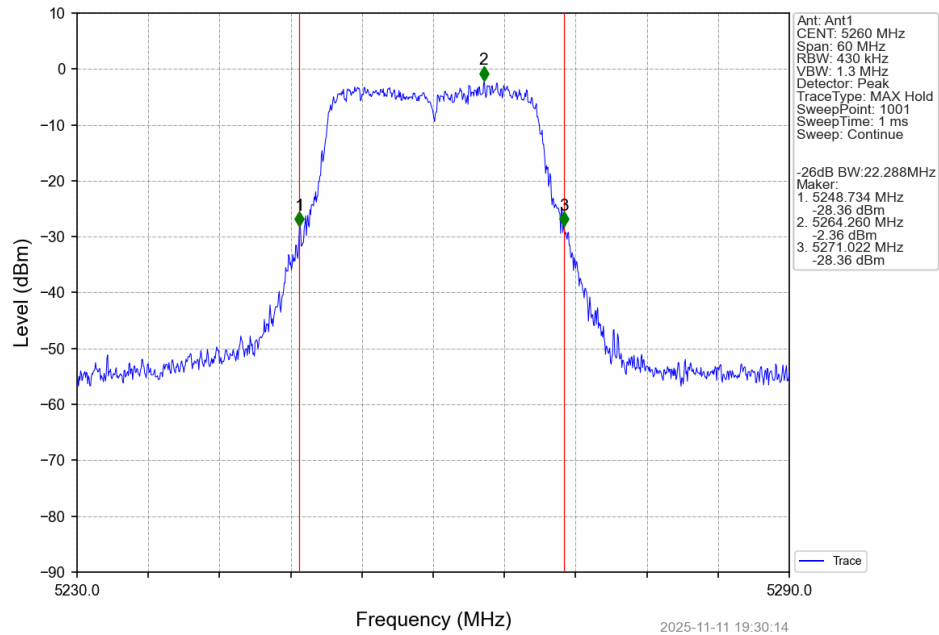
802.11n(HT20) MCH 5200MHz Ant1 NTN



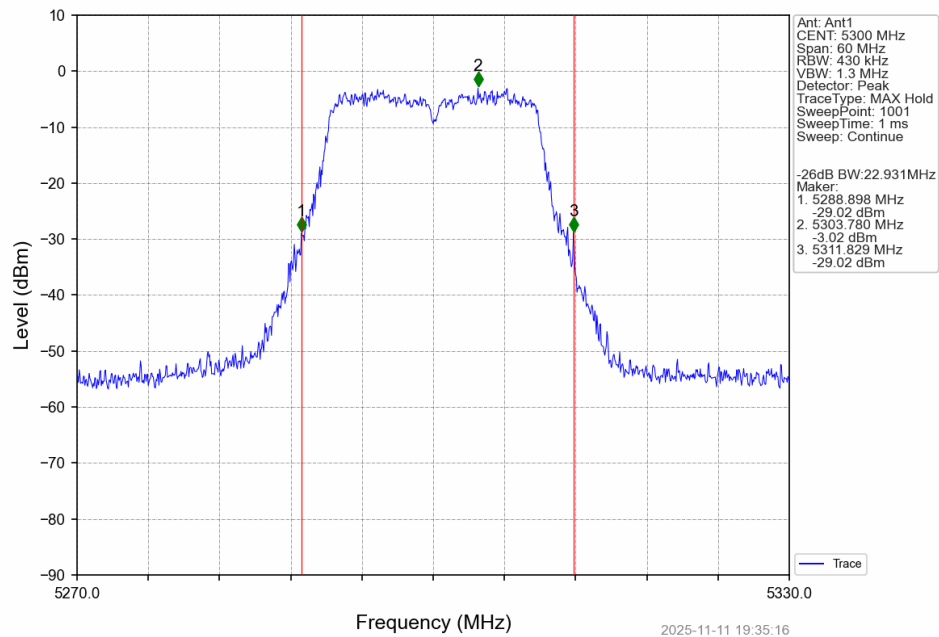
802.11n(HT20)_HCH_5240MHz_Ant1_NTN



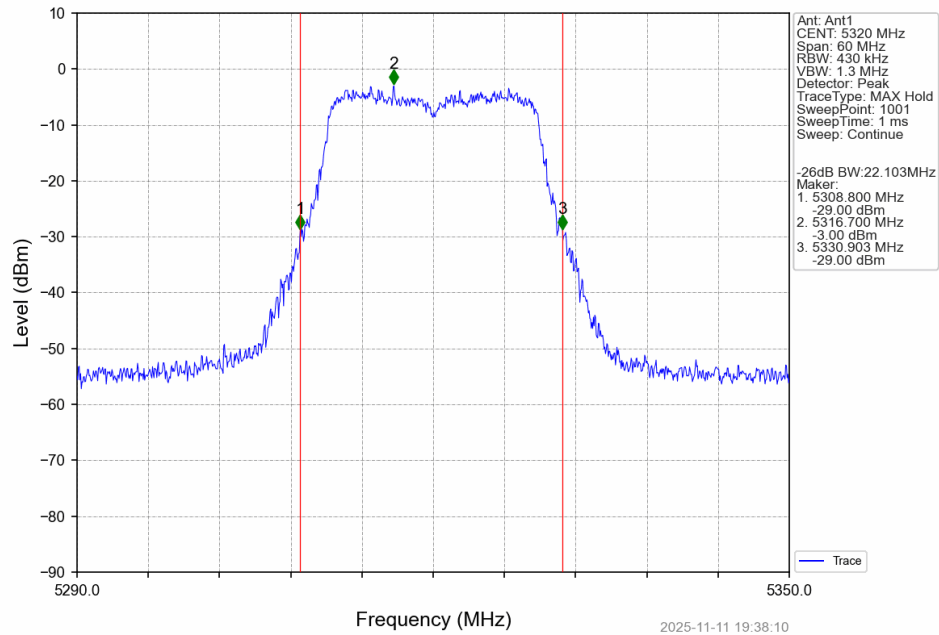
802.11n(HT20) LCH 5260MHz Ant1 NTN



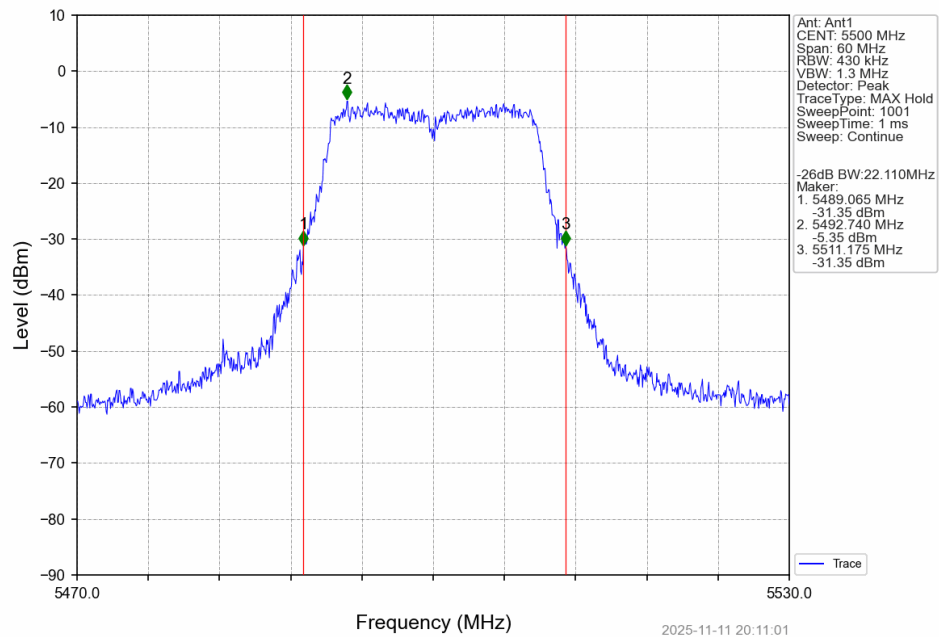
802.11n(HT20)_MCH_5300MHz_Ant1_NTN



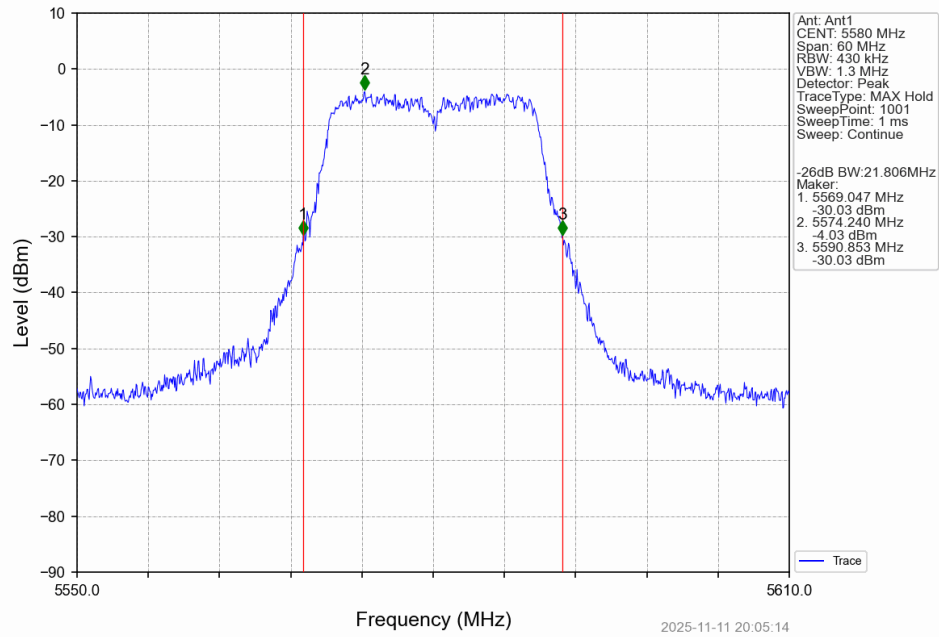
802.11n(HT20) HCH 5320MHz Ant1 NTN



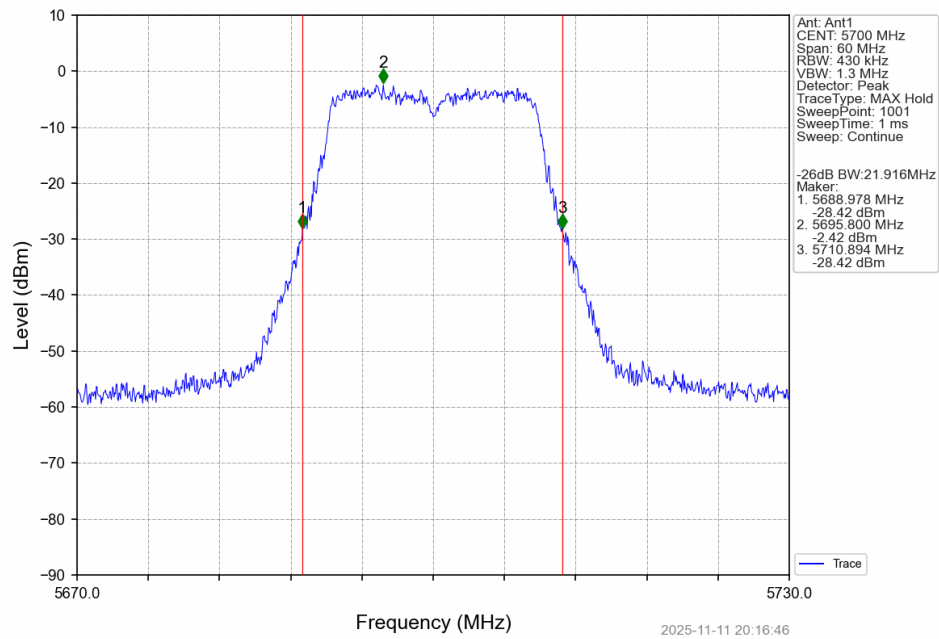
802.11n(HT20)_LCH_5500MHz_Ant1_NTN



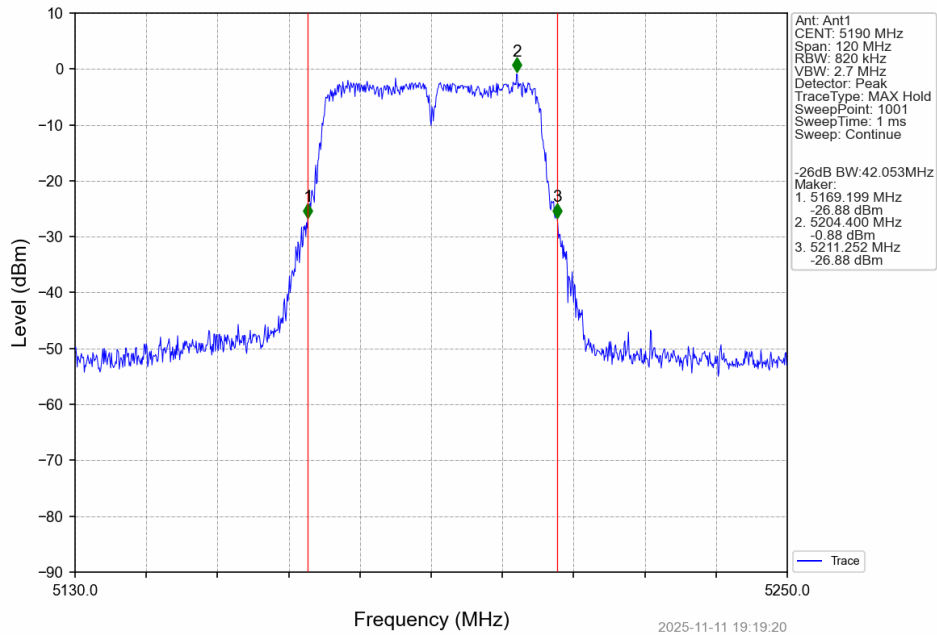
802.11n(HT20) MCH 5580MHz Ant1 NTN



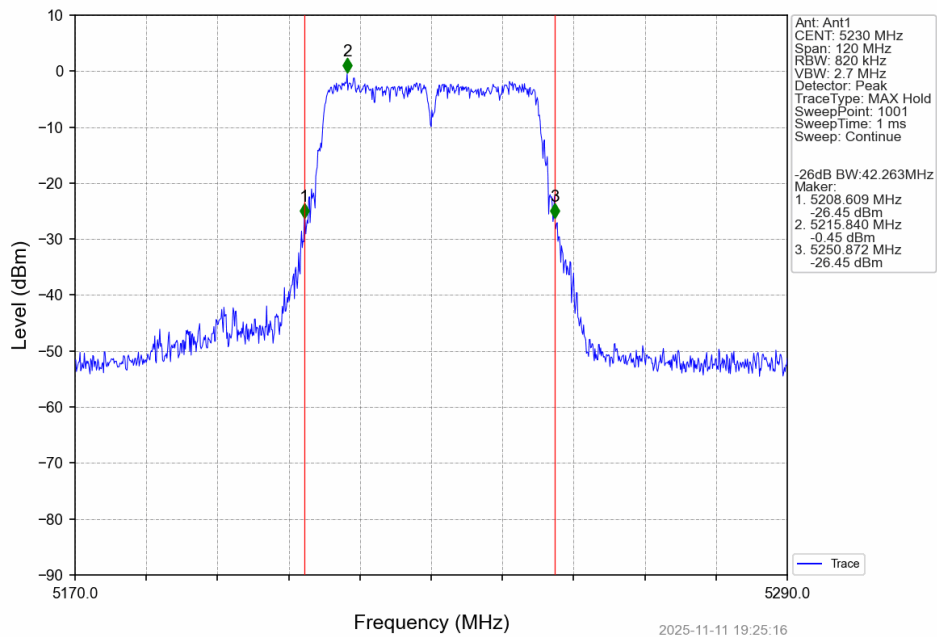
802.11n(HT20)_HCH_5700MHz_Ant1 NTN



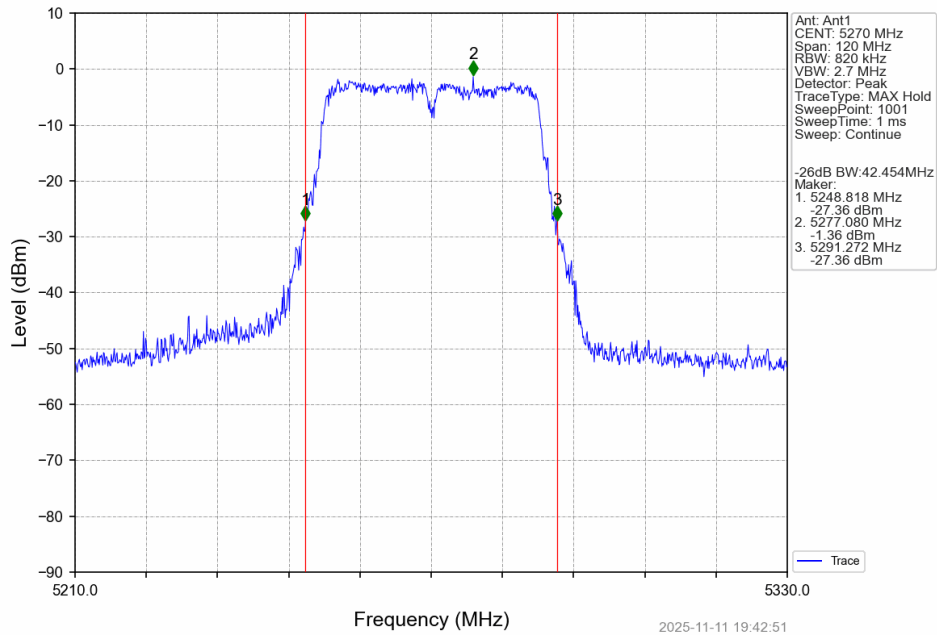
802.11n(HT40) LCH 5190MHz Ant1 NTN



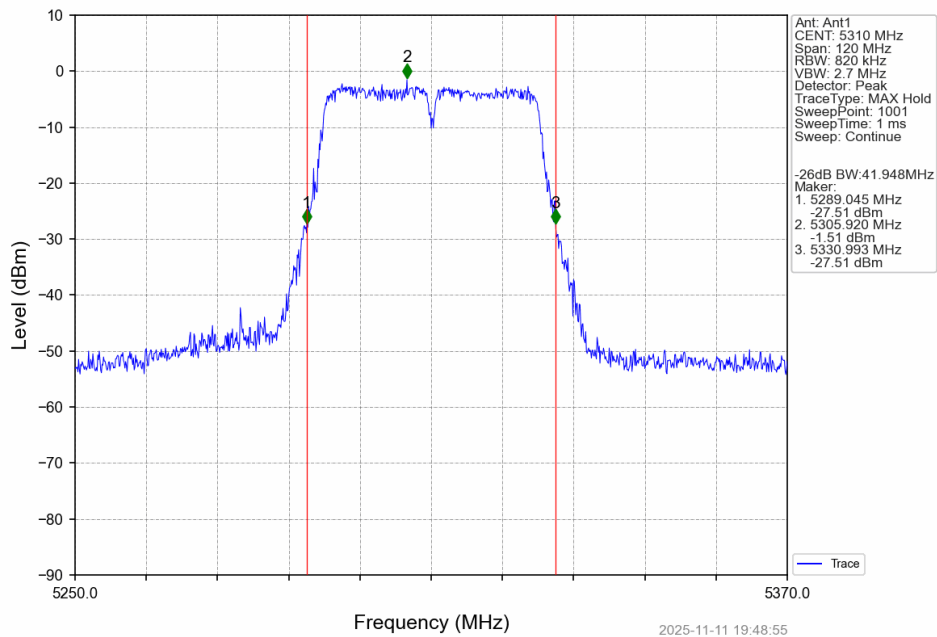
802.11n(HT40)_HCH_5230MHz_Ant1_NTN



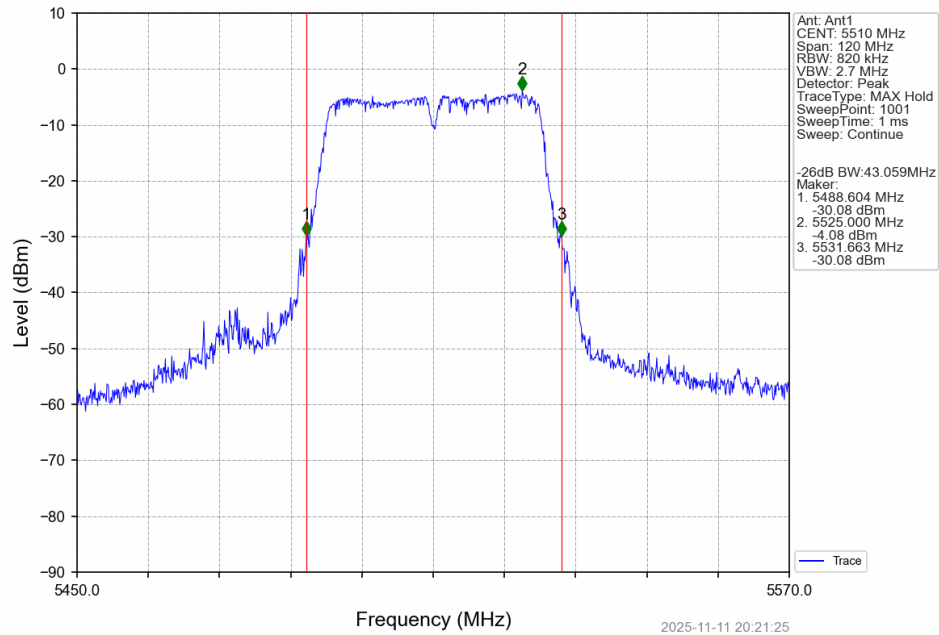
802.11n(HT40) LCH 5270MHz Ant1 NTN



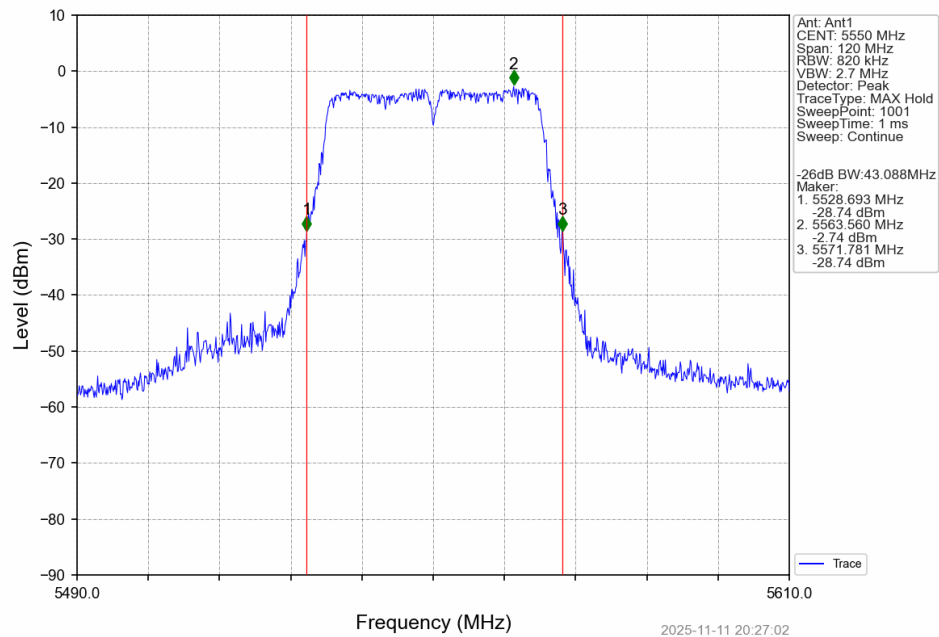
802.11n(HT40)_HCH_5310MHz_Ant1_NTN



802.11n(HT40) LCH 5510MHz Ant1 NTN



802.11n(HT40)_MCH_5550MHz_Ant1_NTN



802.11n(HT40) HCH 5670MHz Ant1 NTN

