

Appendix RF Test Data for BLE

Company: : Shenzhen Daxun Co.,LTD

EUT : Car Multimedia LCD Screen

FCC ID: : 2BCFX-HC-DX56123

Model Number : HC-DX56123

Report No. : HTT202506681F03

Reviewed By : Heber He

1. Duty Cycle

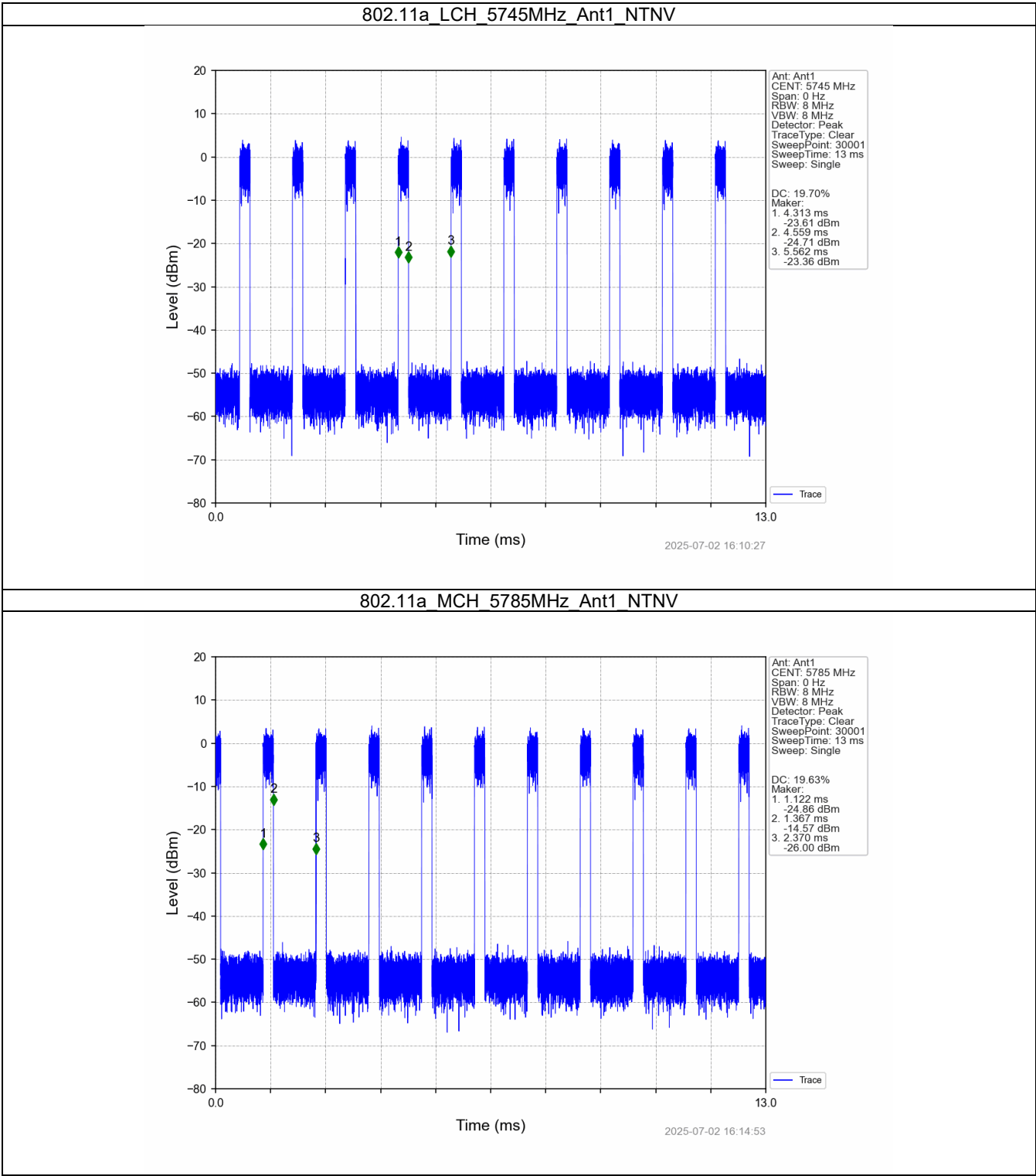
1.1 Test Result

1.1.1 Ant1

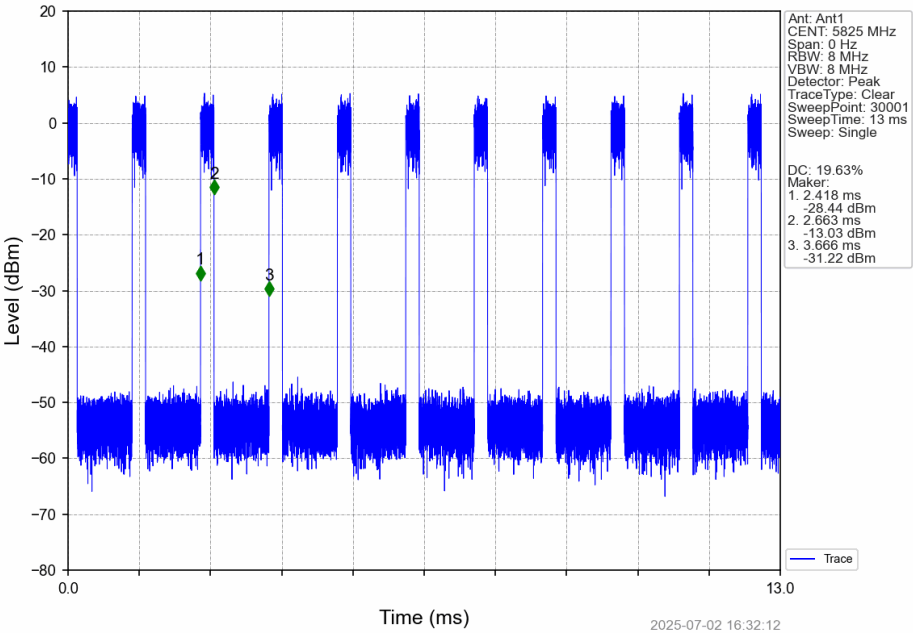
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5745	0.246	1.249	19.70	7.06	0.03
		5785	0.245	1.248	19.63	7.07	0.03
		5825	0.245	1.248	19.63	7.07	0.03
802.11n (HT20)	SISO	5745	0.226	1.229	18.39	7.35	0.04
		5785	0.225	1.229	18.31	7.37	0.04
		5825	0.225	1.228	18.32	7.37	0.03
802.11n (HT40)	SISO	5755	0.130	1.133	11.47	9.40	0.03
		5795	0.129	1.132	11.40	9.43	0.03
802.11ac (VHT20)	SISO	5745	0.226	1.229	18.39	7.35	0.04
		5785	0.226	1.229	18.39	7.35	0.01
		5825	0.226	1.229	18.39	7.35	0.04
802.11ac (VHT40)	SISO	5755	0.130	1.133	11.47	9.40	0.03
		5795	0.129	1.132	11.40	9.43	0.00
802.11ac (VHT80)	SISO	5775	0.072	1.076	6.69	11.74	0.03

1.2 Test Graph

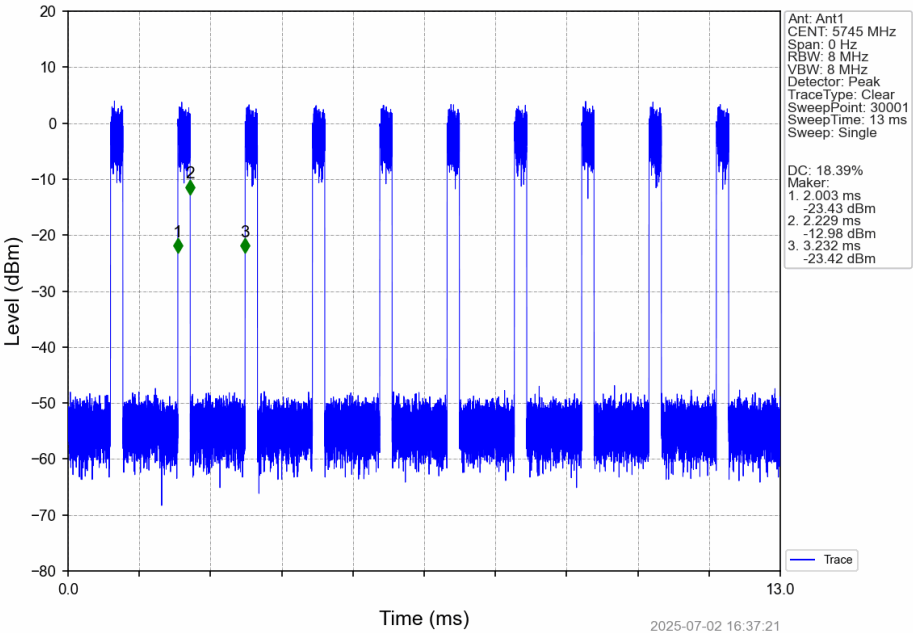
1.2.1 Ant1



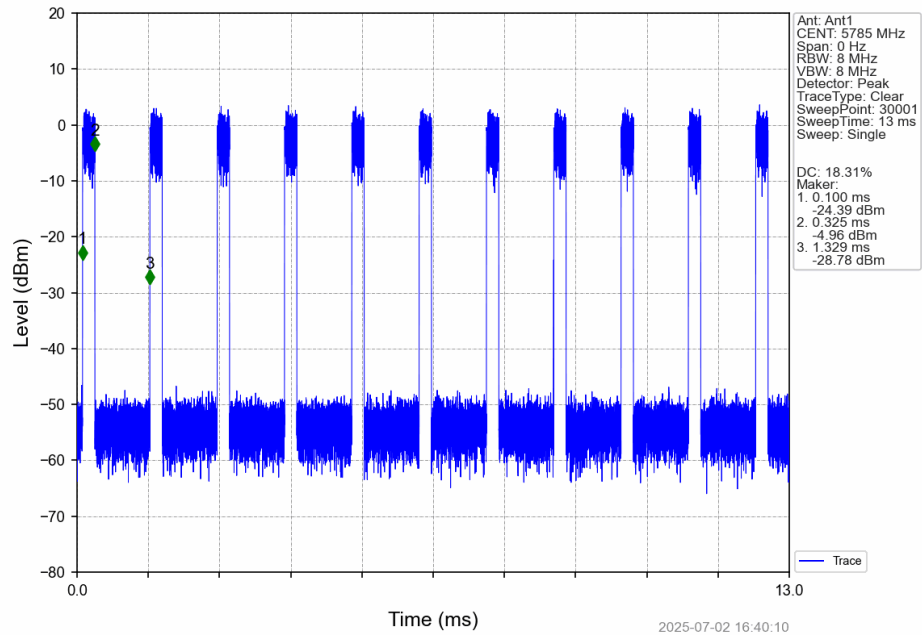
802.11a_HCH_5825MHz_Ant1_NTNV



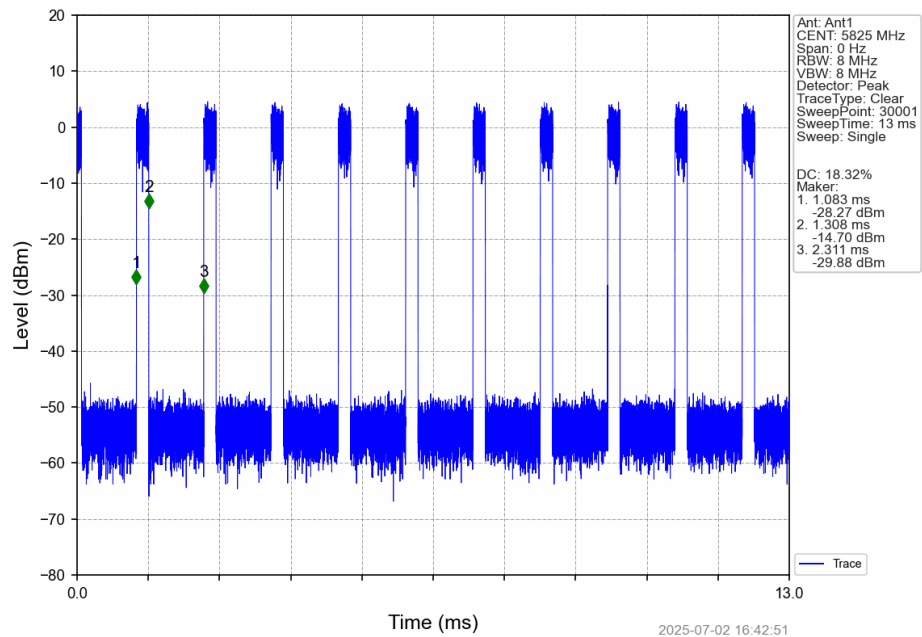
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



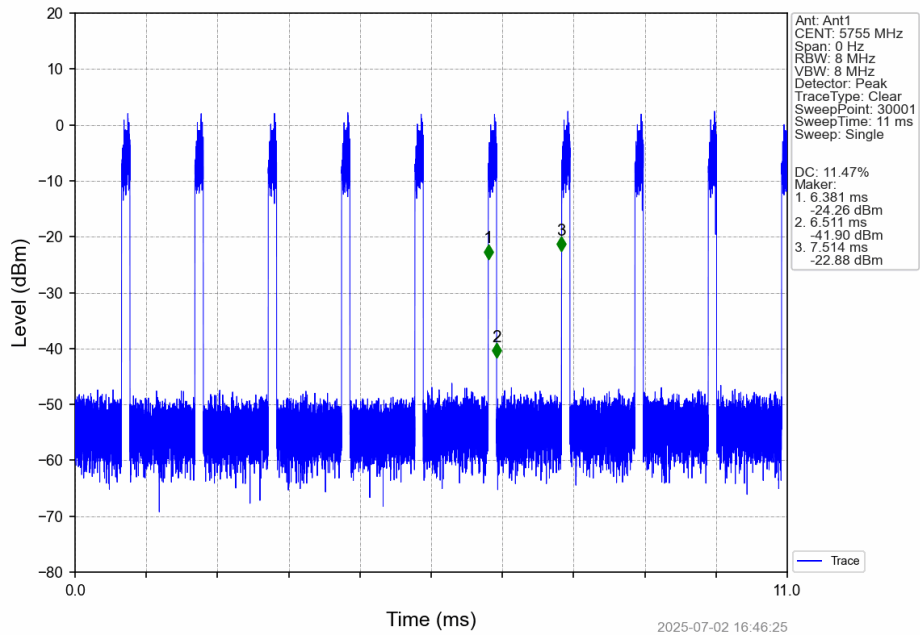
802.11n(HT20) MCH 5785MHz Ant1 NTN



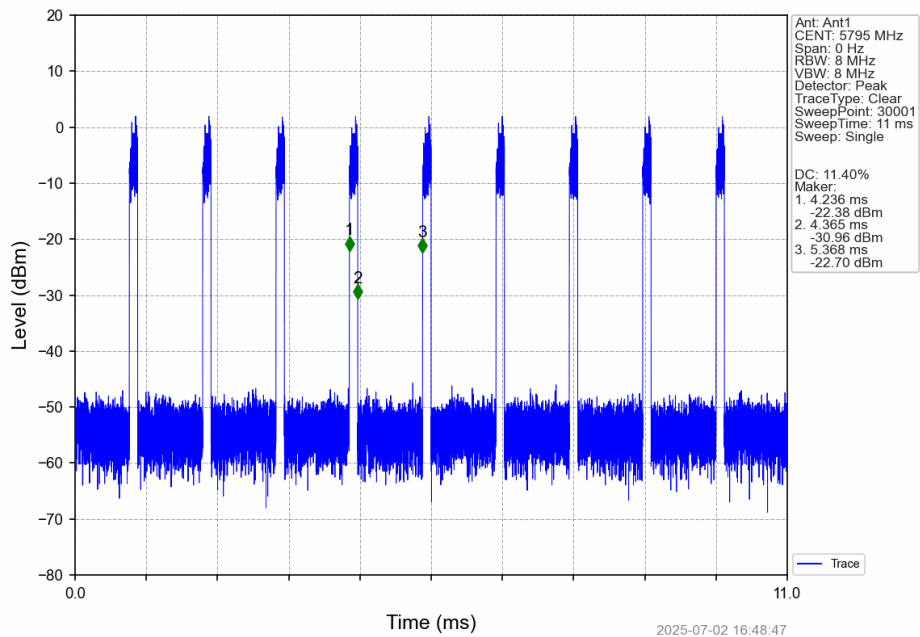
802.11n(HT20)_HCH_5825MHz_Ant1_NTN



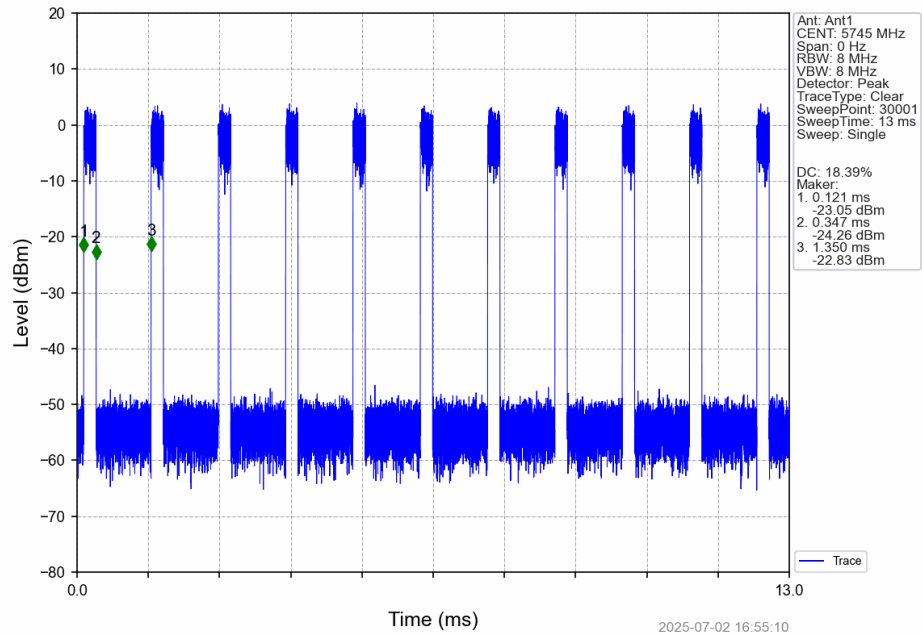
802.11n(HT40) LCH 5755MHz Ant1 NTN



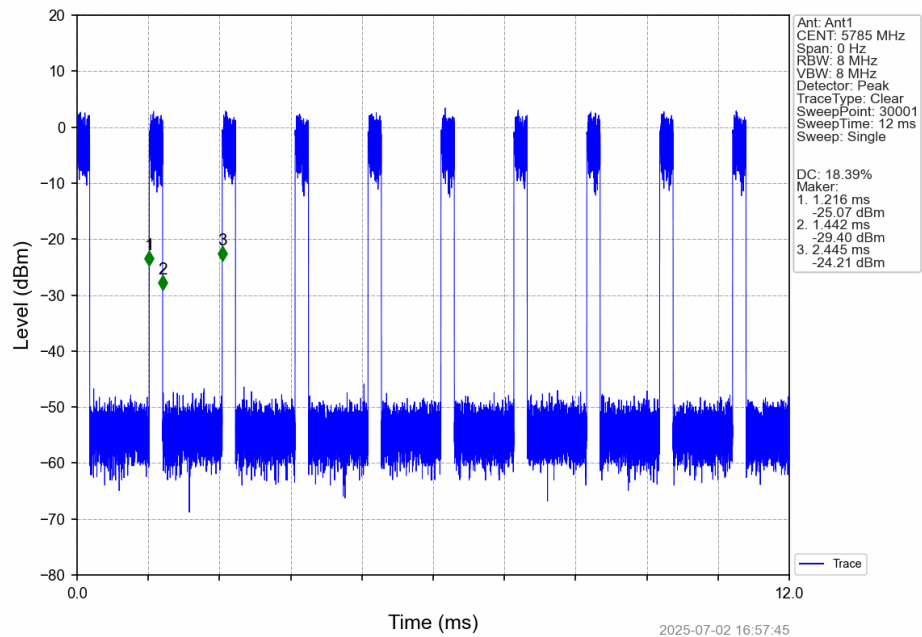
802.11n(HT40)_HCH 5795MHz Ant1 NTN



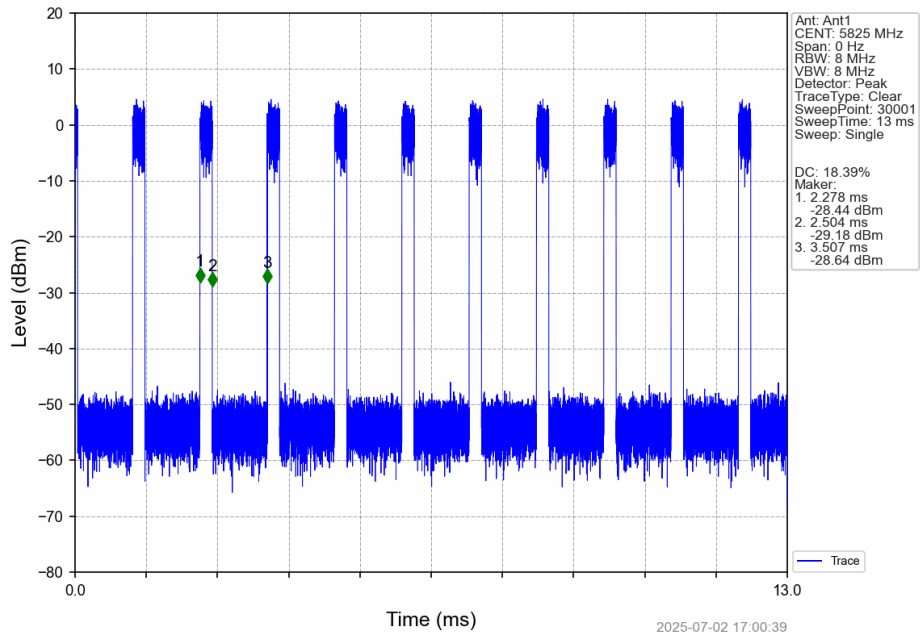
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



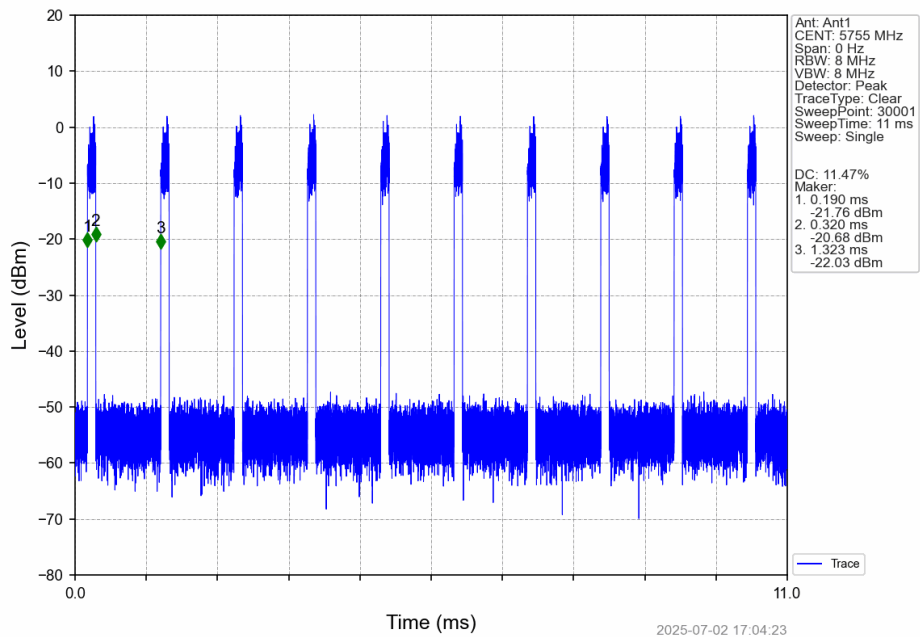
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



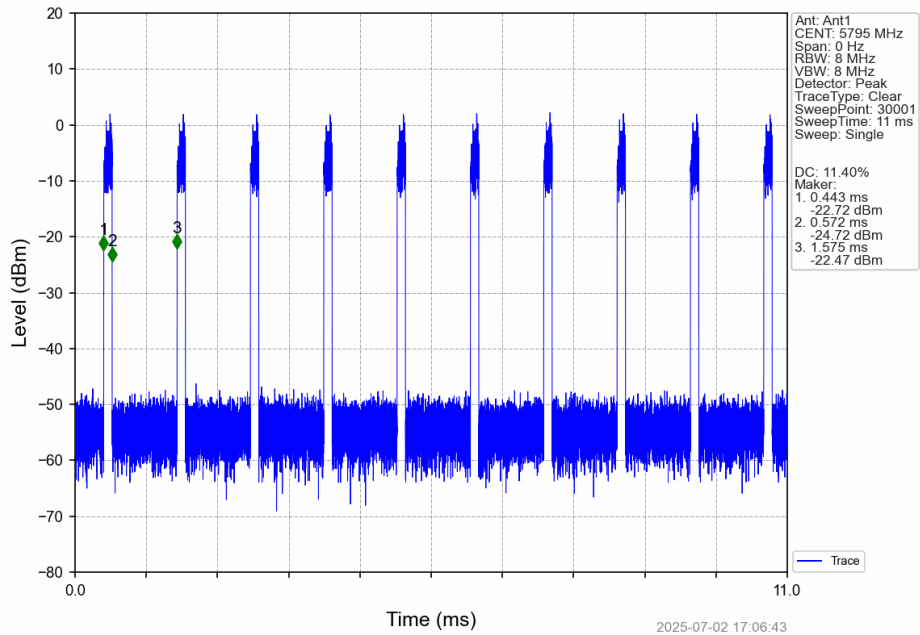
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



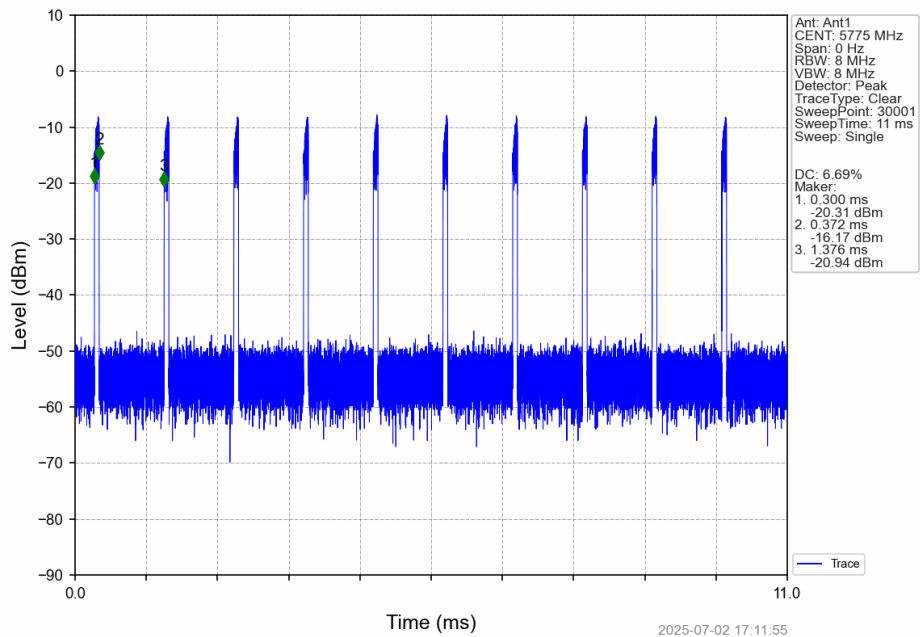
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTN



802.11ac(VHT40) HCH 5795MHz Ant1 NTN



802.11ac(VHT80) MCH 5775MHz Ant1 NTN



2. Bandwidth

2.1 Test Result

2.1.1 OBW

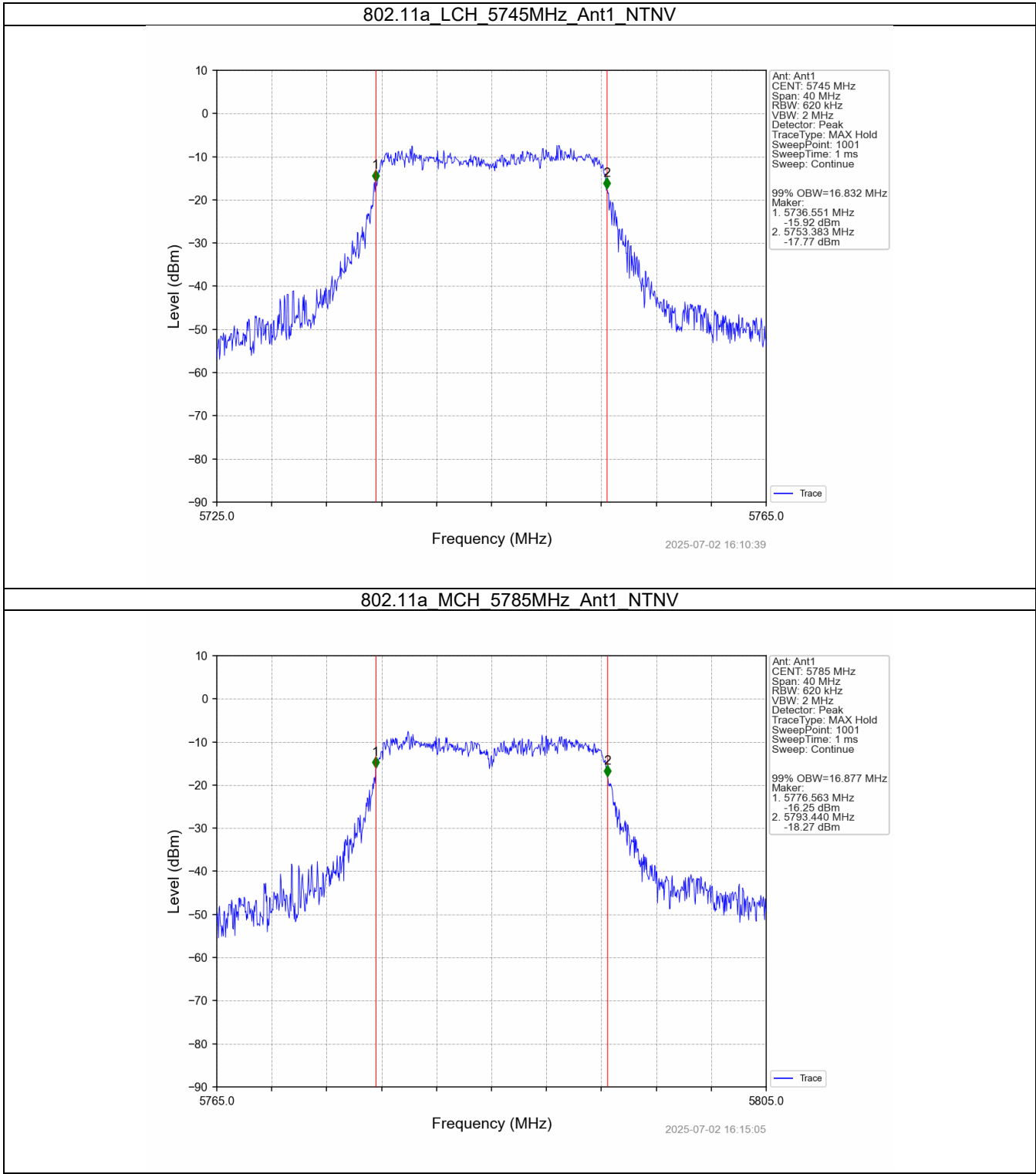
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.832	/	Pass
		5785	1	16.877	/	Pass
		5825	1	16.983	/	Pass
802.11n (HT20)	SISO	5745	1	17.933	/	Pass
		5785	1	18.137	/	Pass
		5825	1	18.118	/	Pass
802.11n (HT40)	SISO	5755	1	36.417	/	Pass
		5795	1	36.369	/	Pass
802.11ac (VHT20)	SISO	5745	1	17.935	/	Pass
		5785	1	18.040	/	Pass
		5825	1	18.113	/	Pass
802.11ac (VHT40)	SISO	5755	1	36.454	/	Pass
		5795	1	36.422	/	Pass
802.11ac (VHT80)	SISO	5775	1	75.987	/	Pass

2.1.2 6dB BW

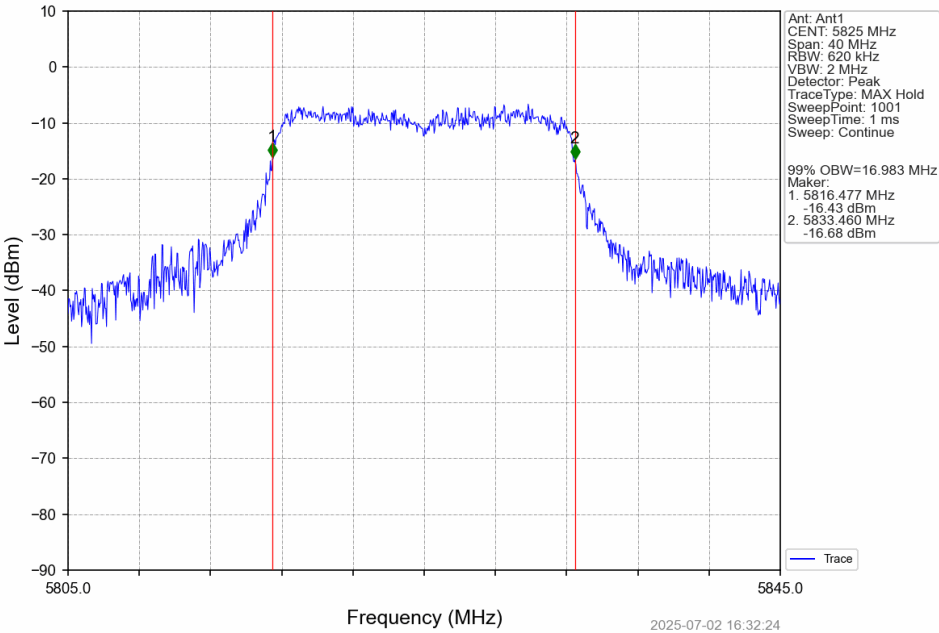
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.426	≥ 0.5	Pass
		5785	1	16.393	≥ 0.5	Pass
		5825	1	16.357	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	1	17.503	≥ 0.5	Pass
		5785	1	17.394	≥ 0.5	Pass
		5825	1	17.007	≥ 0.5	Pass
802.11n (HT40)	SISO	5755	1	35.155	≥ 0.5	Pass
		5795	1	35.628	≥ 0.5	Pass
802.11ac (VHT20)	SISO	5745	1	17.609	≥ 0.5	Pass
		5785	1	16.667	≥ 0.5	Pass
		5825	1	17.258	≥ 0.5	Pass
802.11ac (VHT40)	SISO	5755	1	35.590	≥ 0.5	Pass
		5795	1	35.692	≥ 0.5	Pass
802.11ac (VHT80)	SISO	5775	1	73.947	≥ 0.5	Pass

2.2 Test Graph

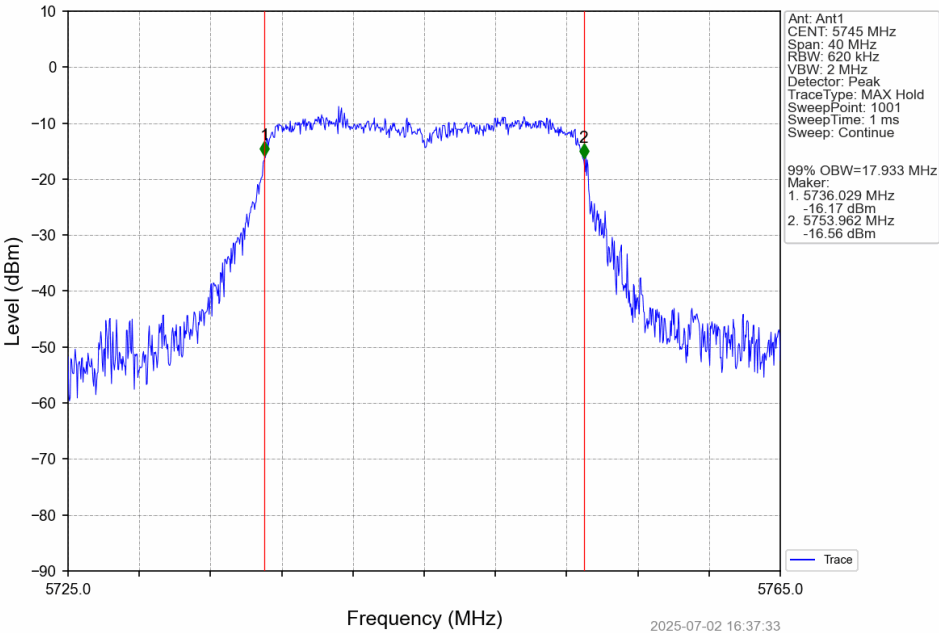
2.2.1 OBW



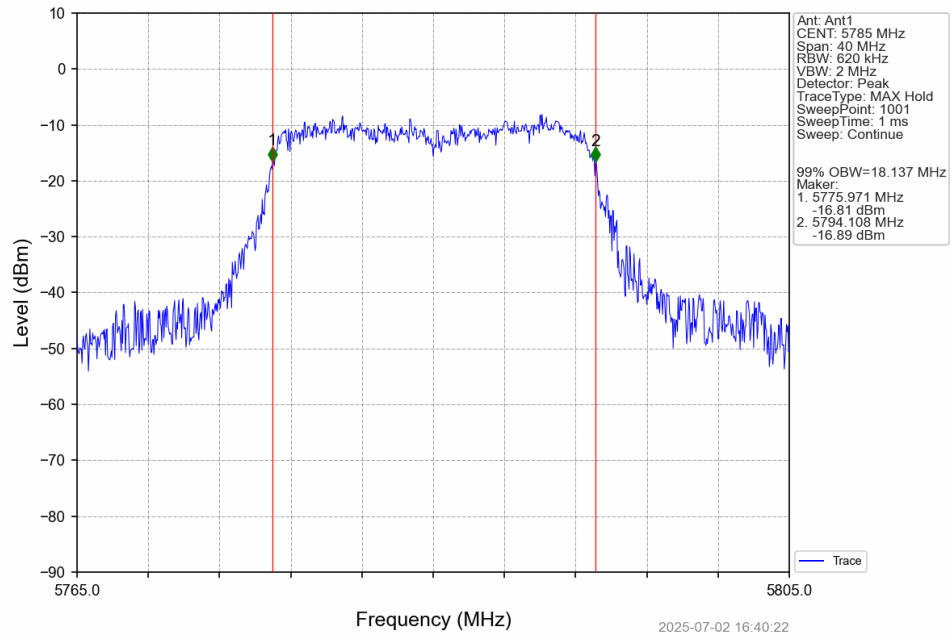
802.11a HCH 5825MHz Ant1 NTN



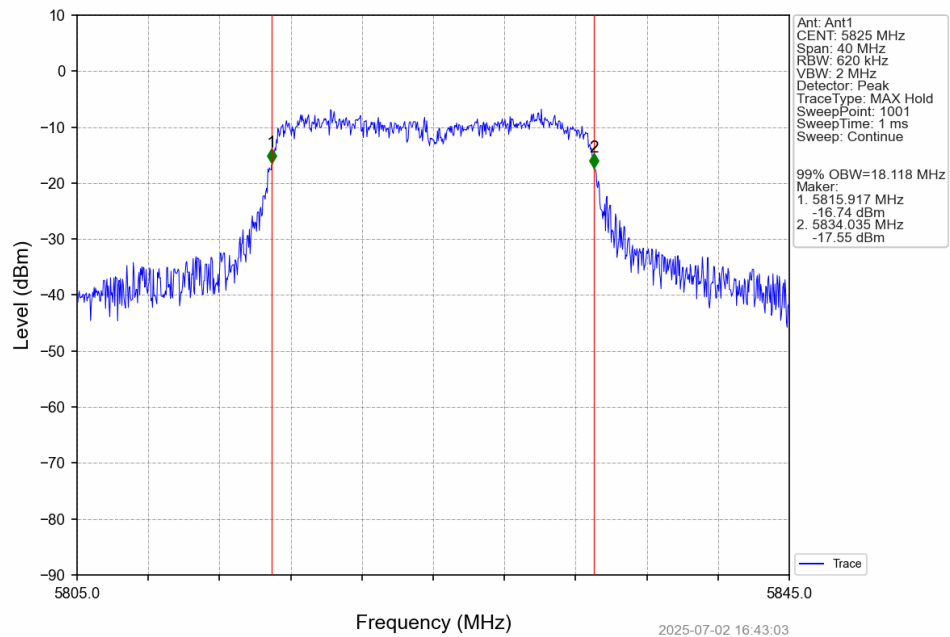
802.11n(HT20) LCH 5745MHz Ant1 NTN



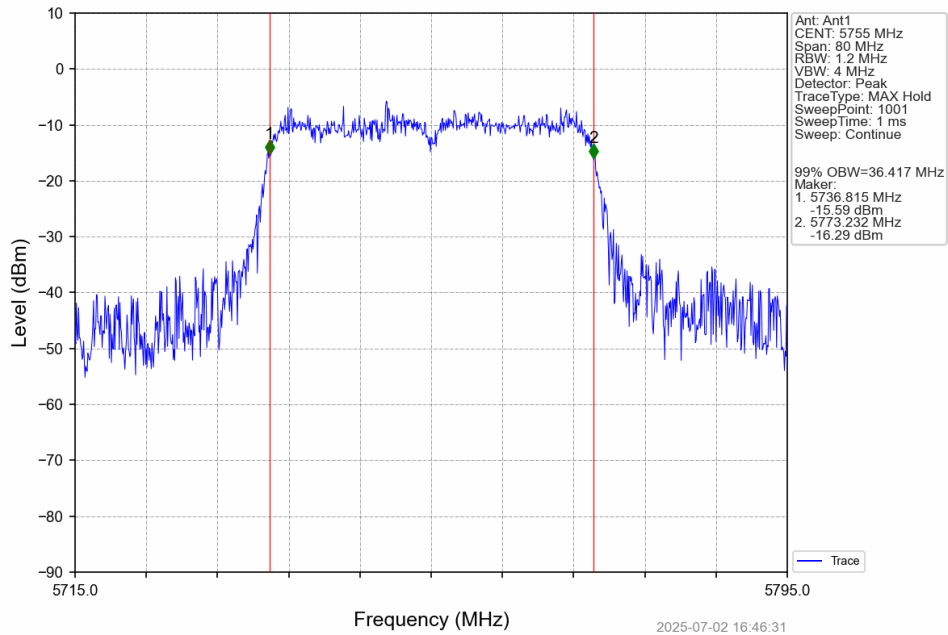
802.11n(HT20) MCH 5785MHz Ant1 NTN



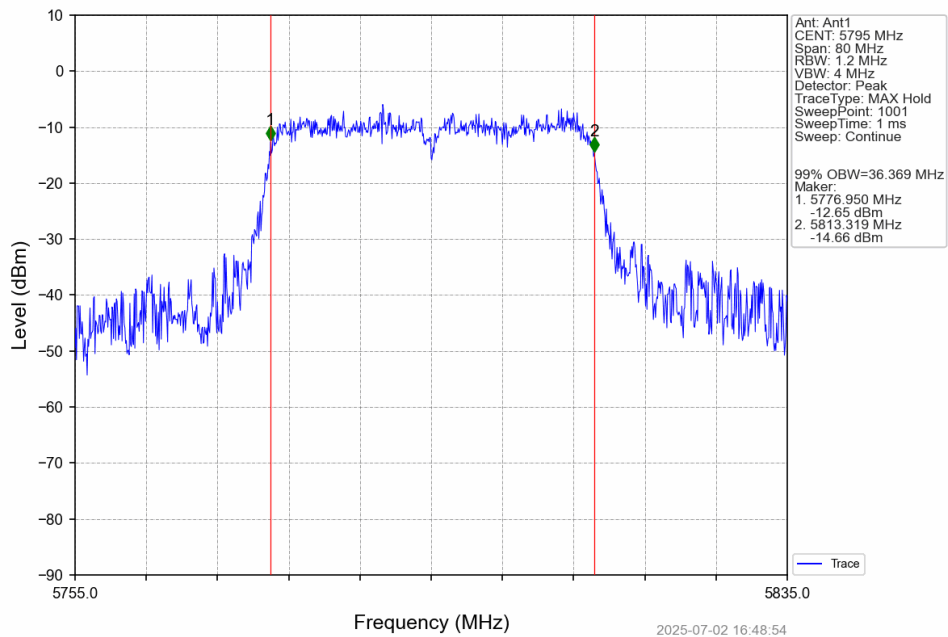
802.11n(HT20)_HCH_5825MHz_Ant1_NTN



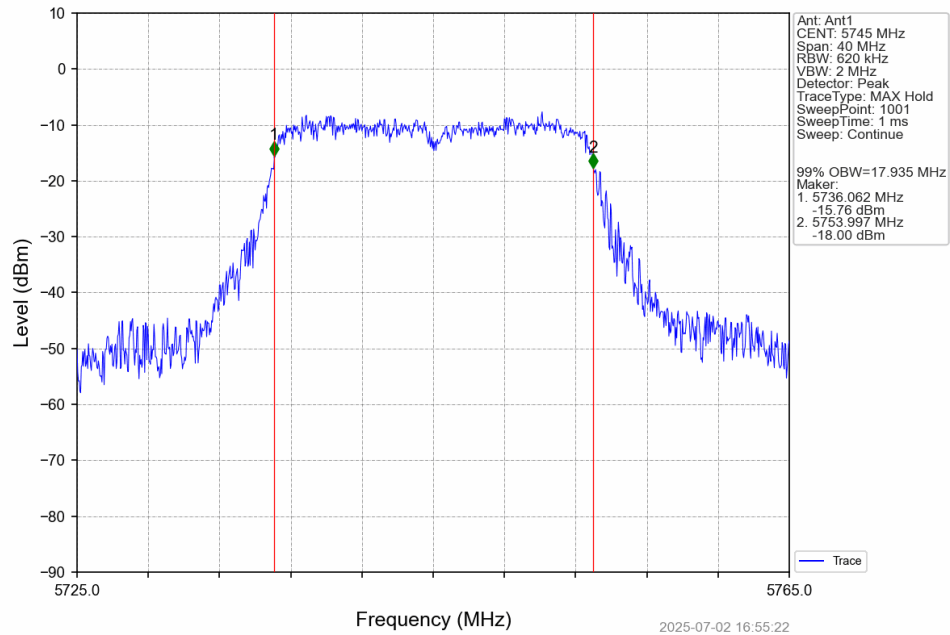
802.11n(HT40) LCH 5755MHz Ant1 NTN



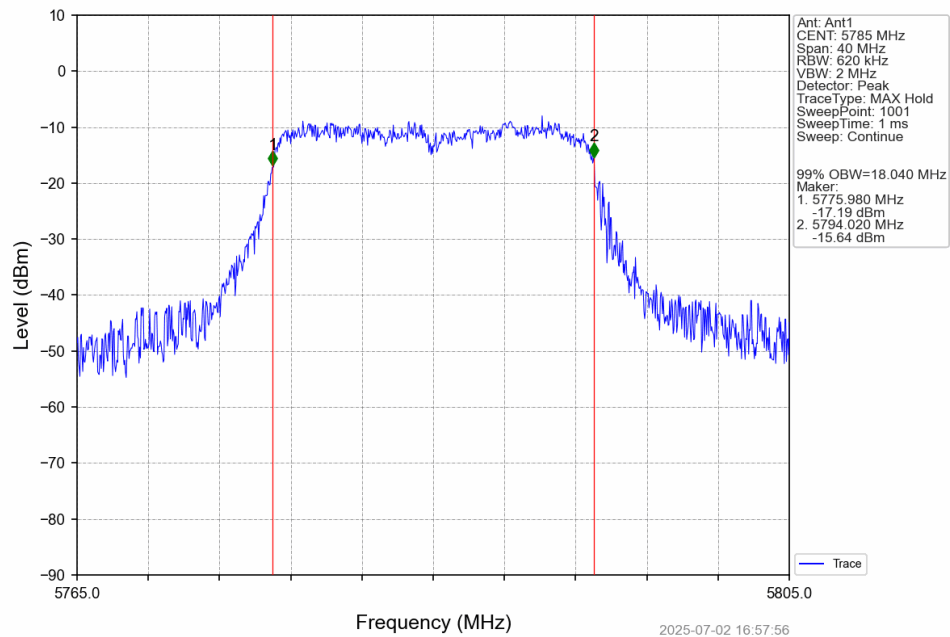
802.11n(HT40)_HCH_5795MHz_Ant1_NTN



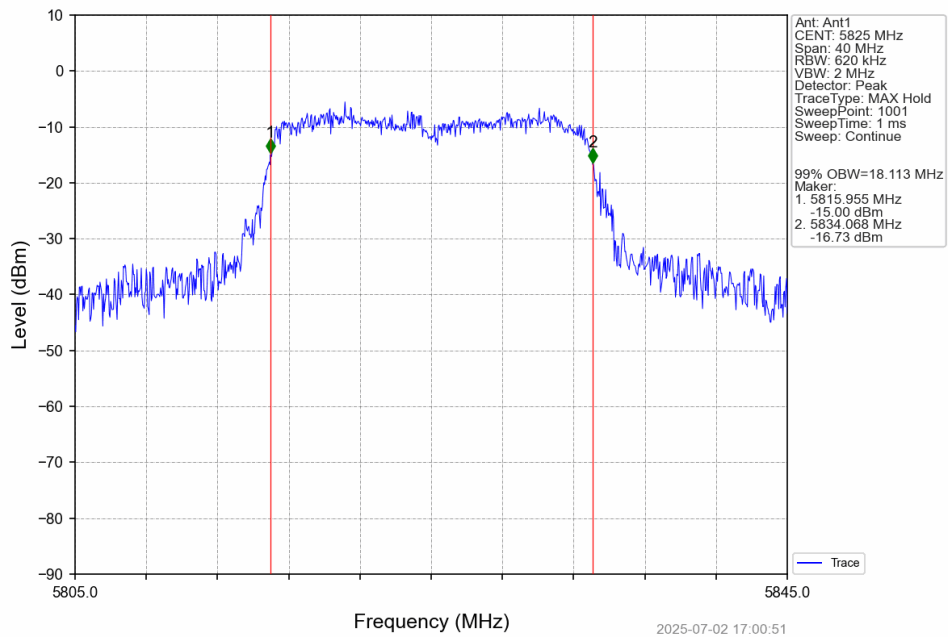
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



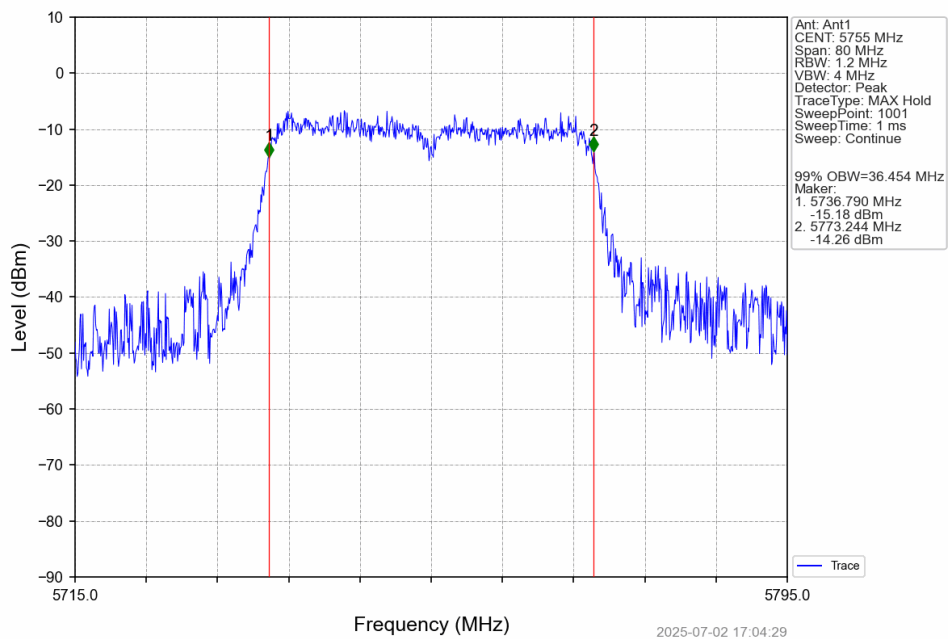
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



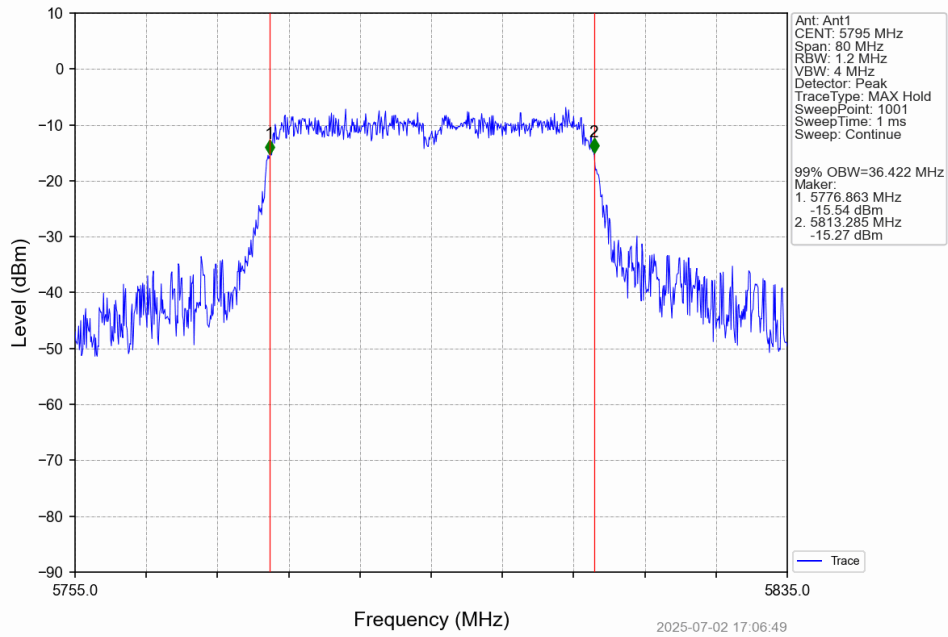
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



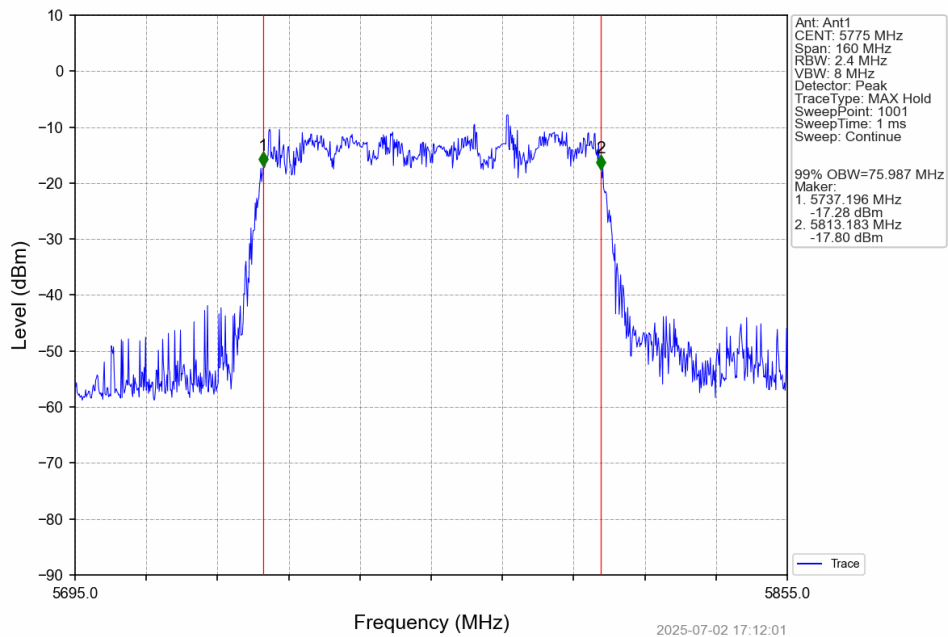
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTN



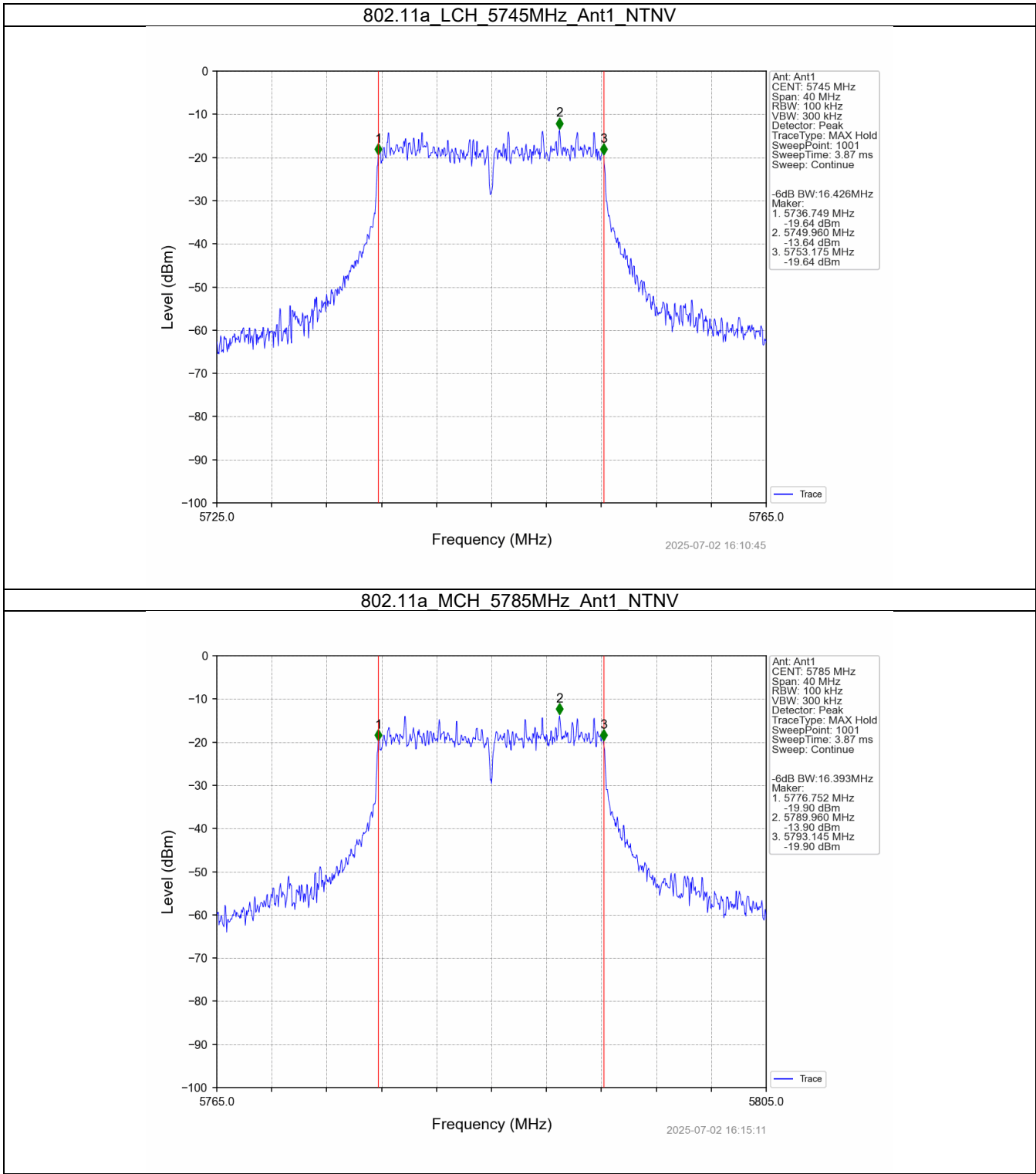
802.11ac(VHT40) HCH 5795MHz Ant1 NTN



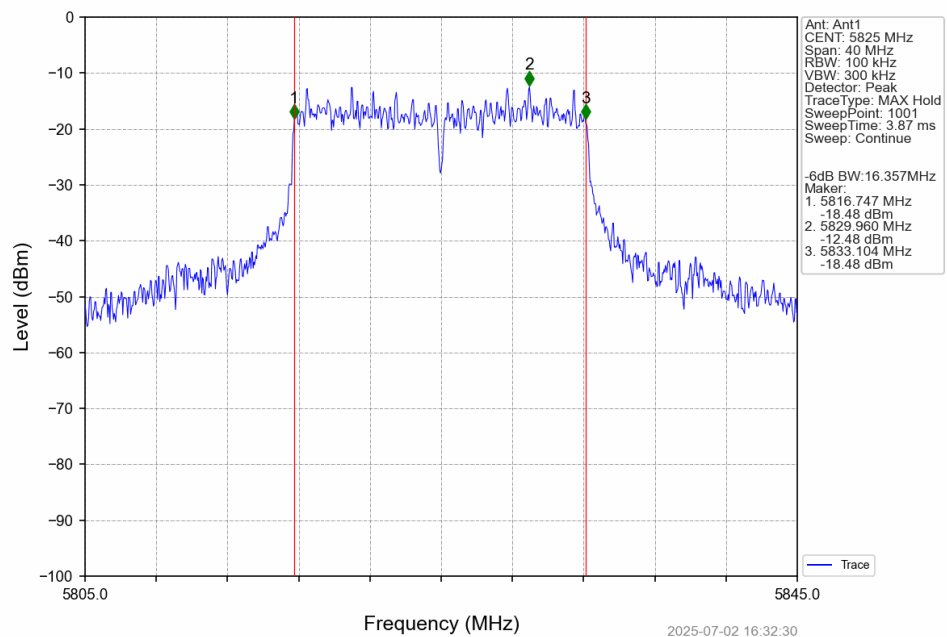
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTN



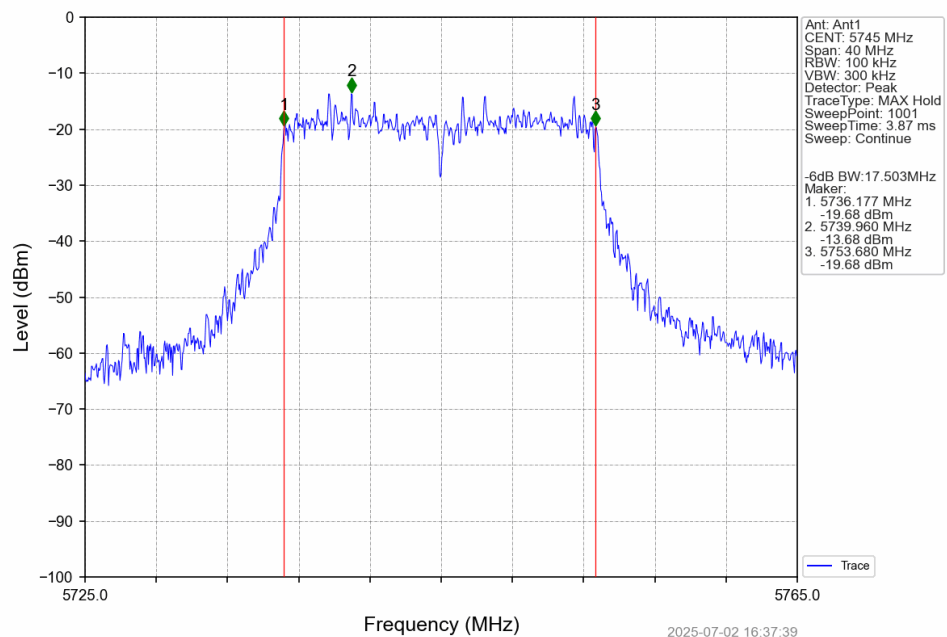
2.2.2 6dB BW



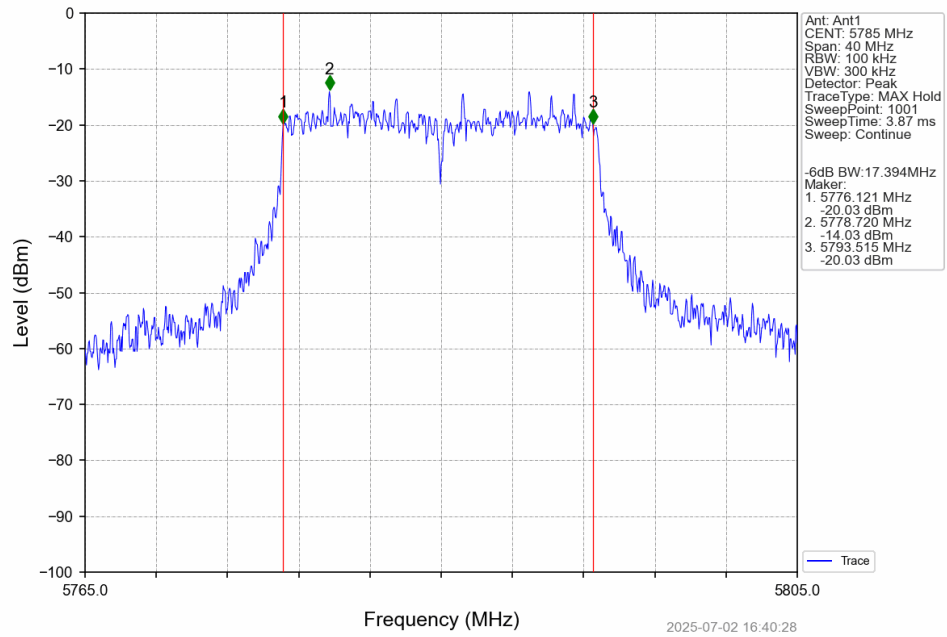
802.11a_HCH_5825MHz_Ant1_NTNV



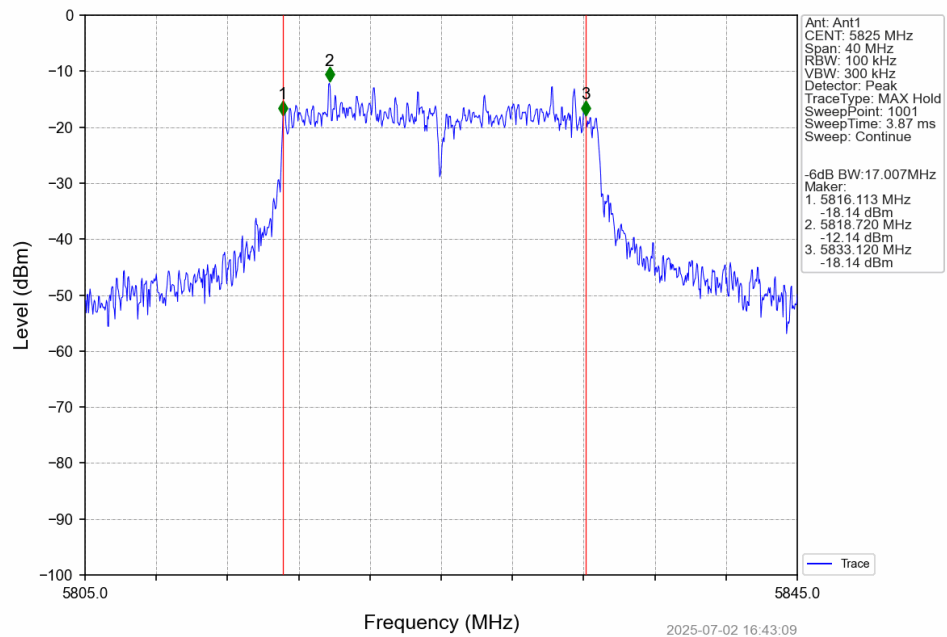
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



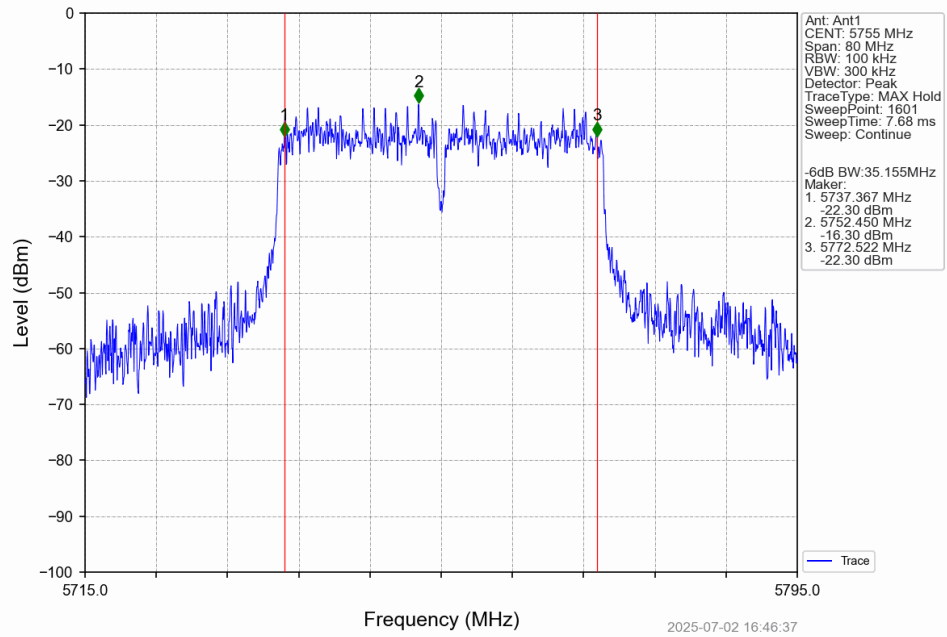
802.11n(HT20) MCH 5785MHz Ant1 NTN



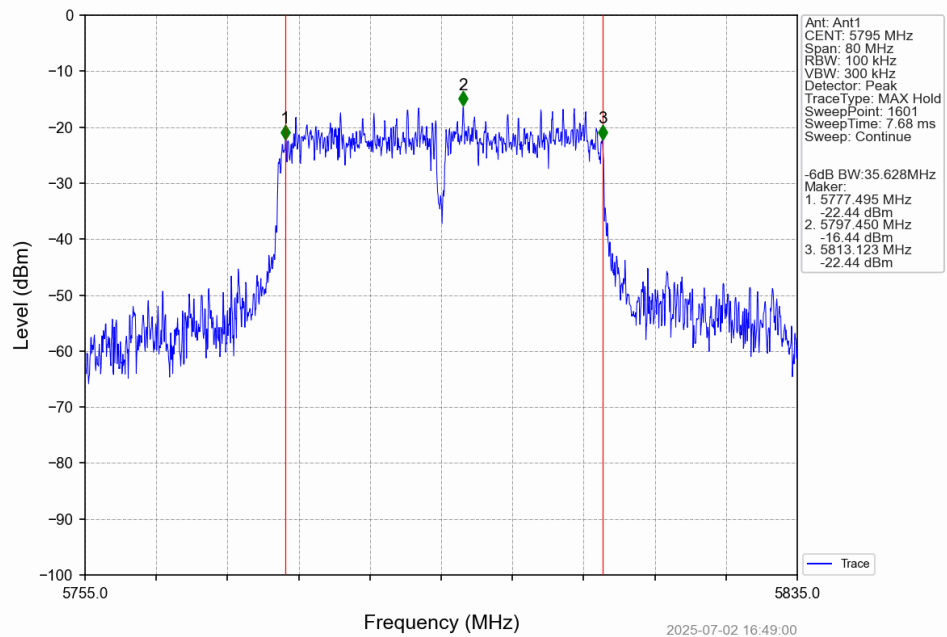
802.11n(HT20)_HCH_5825MHz_Ant1_NTN



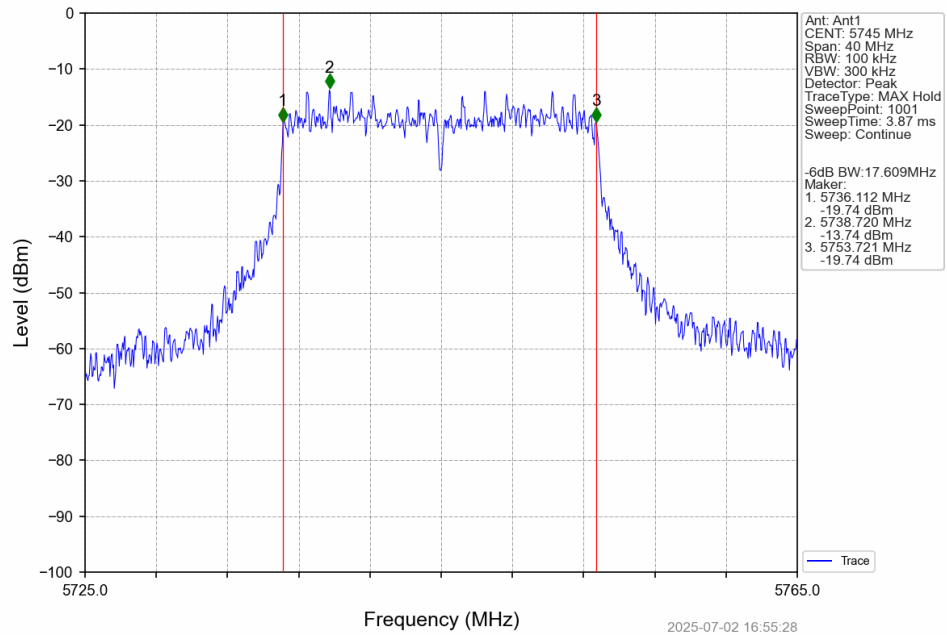
802.11n(HT40) LCH 5755MHz Ant1 NTN



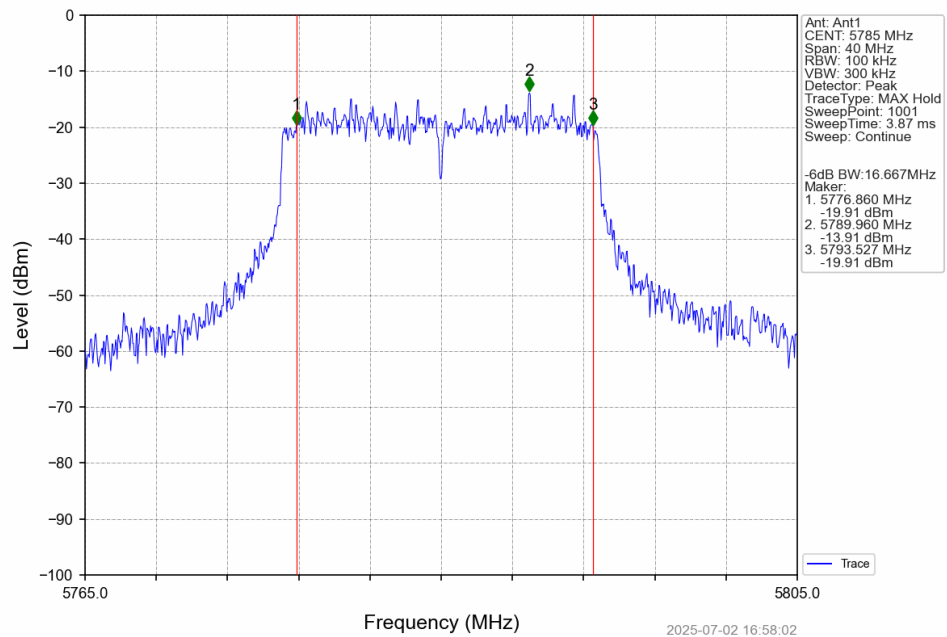
802.11n(HT40)_HCH 5795MHz_Ant1 NTN



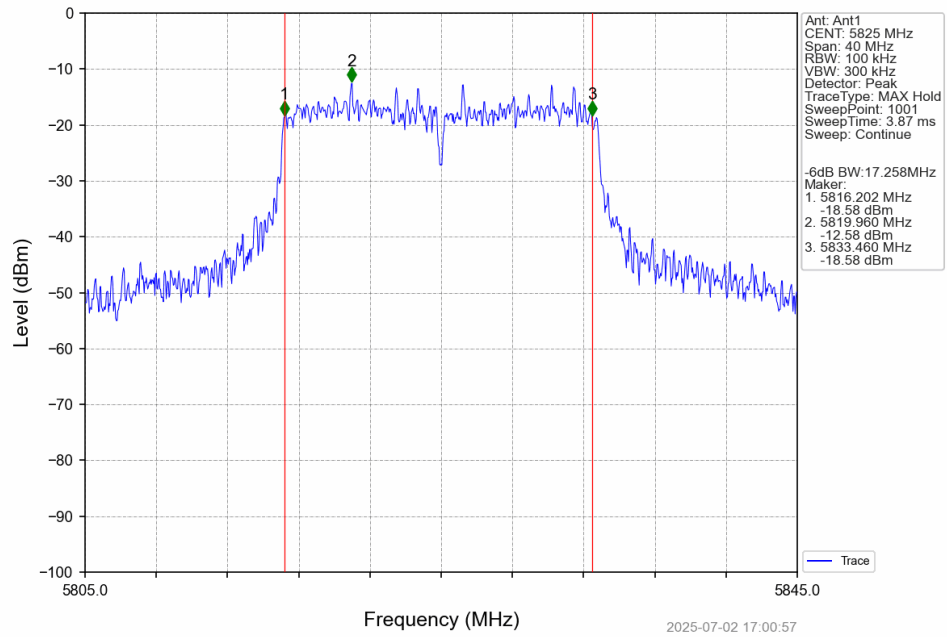
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



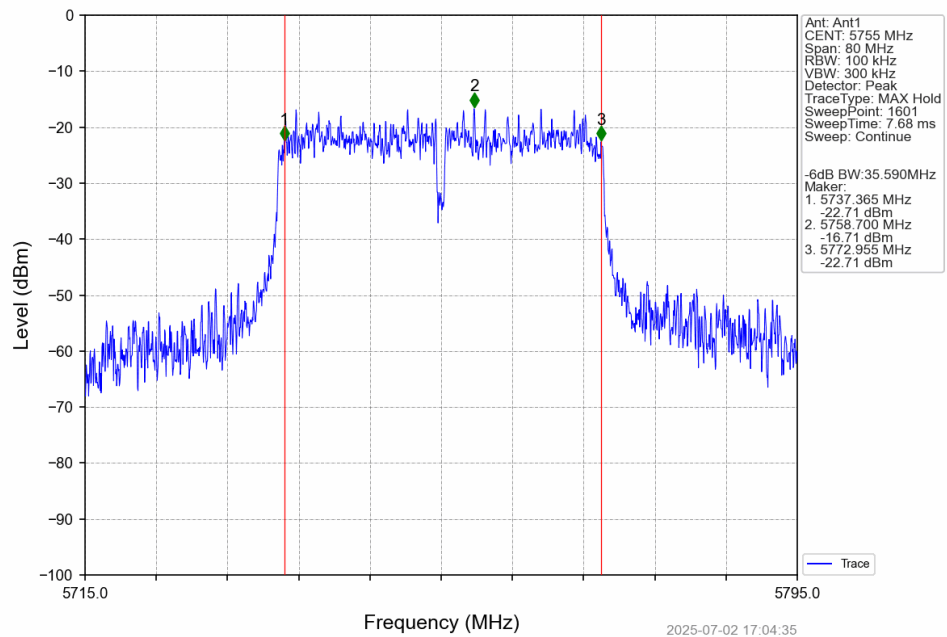
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



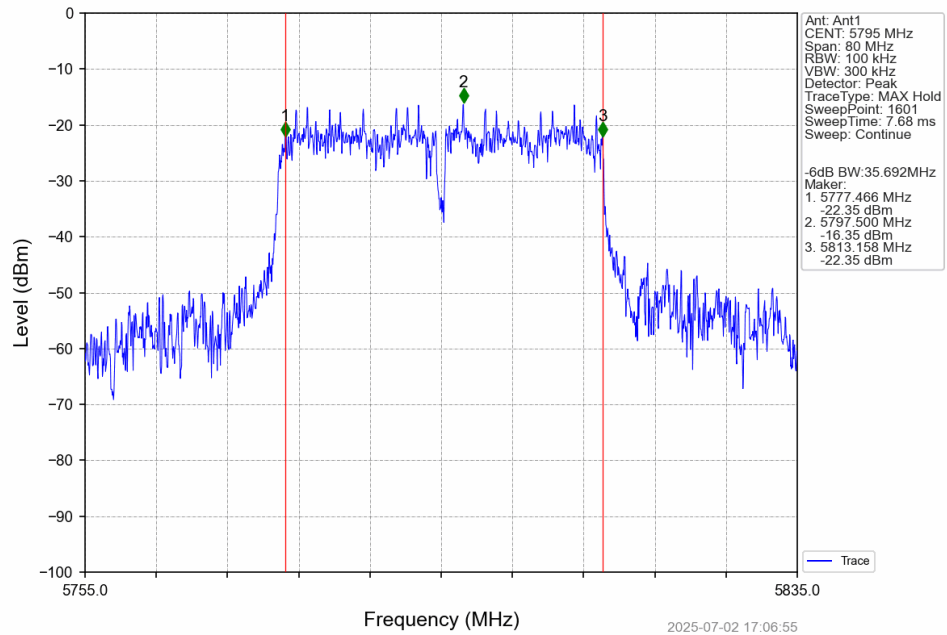
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



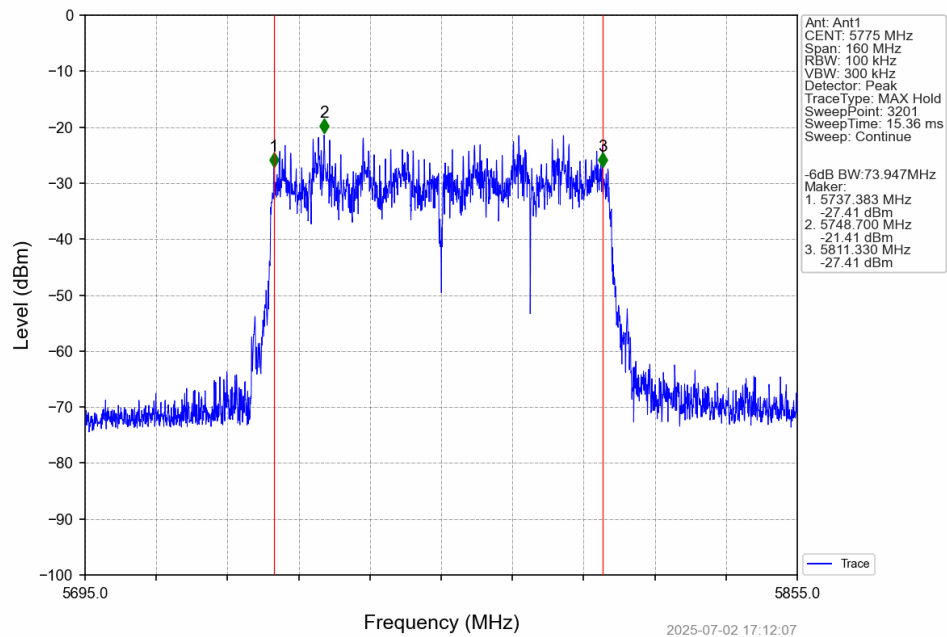
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTN



802.11ac(VHT40) HCH 5795MHz Ant1 NTN



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTN



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	7.58	<=30	Pass
		5785	7.04	<=30	Pass
		5825	7.47	<=30	Pass
802.11n (HT20)	SISO	5745	7.65	<=30	Pass
		5785	7.72	<=30	Pass
		5825	7.11	<=30	Pass
802.11n (HT40)	SISO	5755	7.80	<=30	Pass
		5795	7.24	<=30	Pass
802.11ac (VHT20)	SISO	5745	7.52	<=30	Pass
		5785	7.80	<=30	Pass
		5825	7.87	<=30	Pass
802.11ac (VHT40)	SISO	5755	7.44	<=30	Pass
		5795	7.06	<=30	Pass
802.11ac (VHT80)	SISO	5775	7.28	<=30	Pass

The duty factor is already compensated in the result.

4. Maximum Power Spectral Density

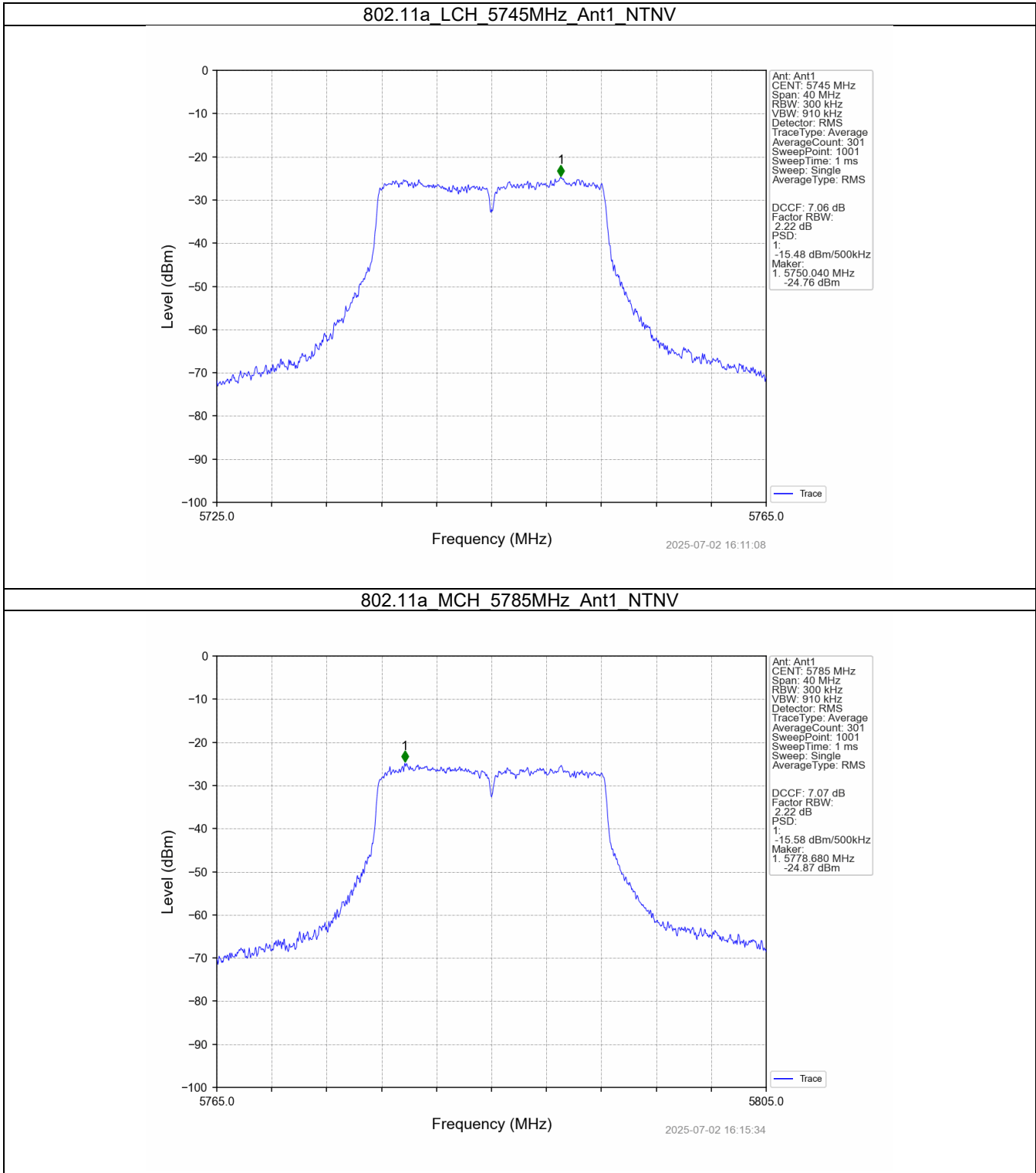
4.1 Test Result

4.1.1 PSD-Band3

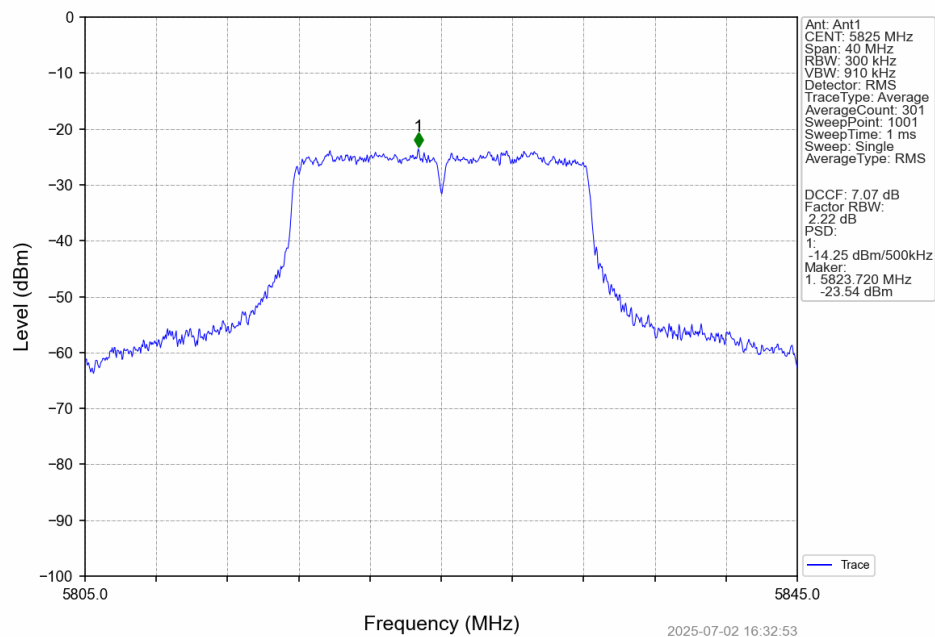
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-15.48	<=30	Pass
		5785	-15.58	<=30	Pass
		5825	-14.25	<=30	Pass
802.11n (HT20)	SISO	5745	-15.91	<=30	Pass
		5785	-15.57	<=30	Pass
		5825	-14.63	<=30	Pass
802.11n (HT40)	SISO	5755	-17.38	<=30	Pass
		5795	-17.35	<=30	Pass
802.11ac (VHT20)	SISO	5745	-15.59	<=30	Pass
		5785	-16.22	<=30	Pass
		5825	-14.05	<=30	Pass
802.11ac (VHT40)	SISO	5755	-17.68	<=30	Pass
		5795	-17.21	<=30	Pass
802.11ac (VHT80)	SISO	5775	-21.88	<=30	Pass

4.2 Test Graph

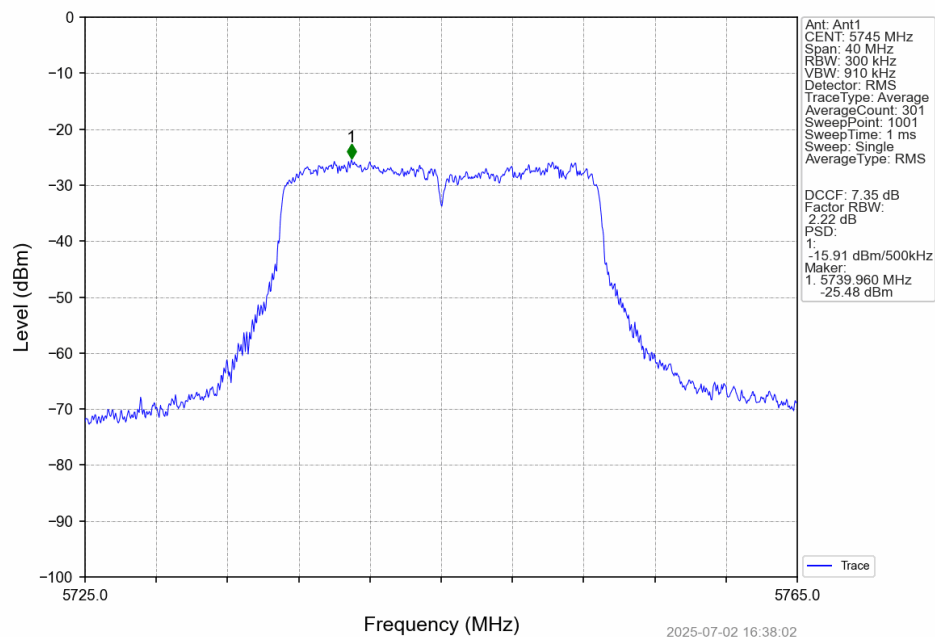
4.2.1 PSD-Band3



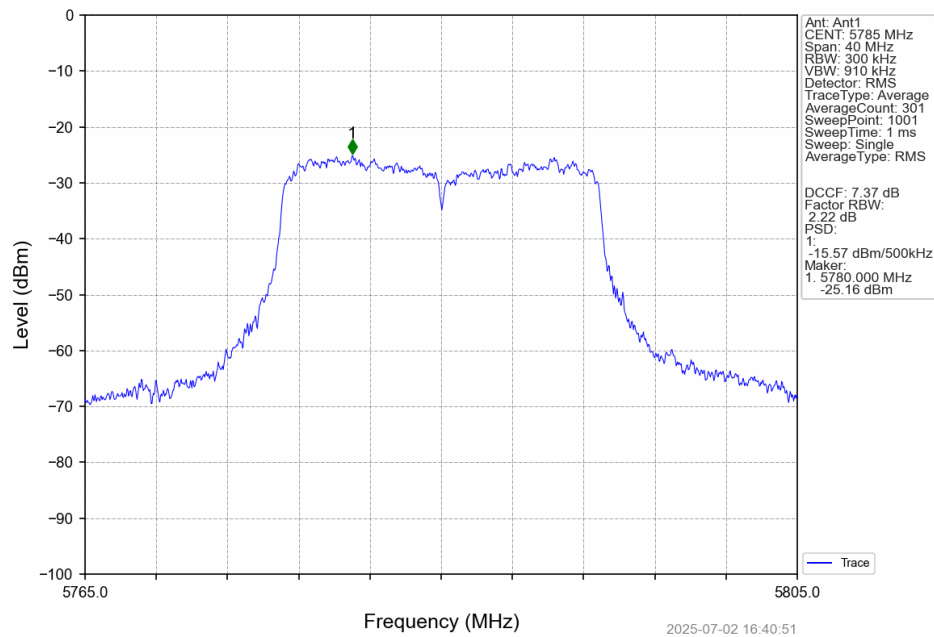
802.11a_HCH_5825MHz_Ant1_NTNV



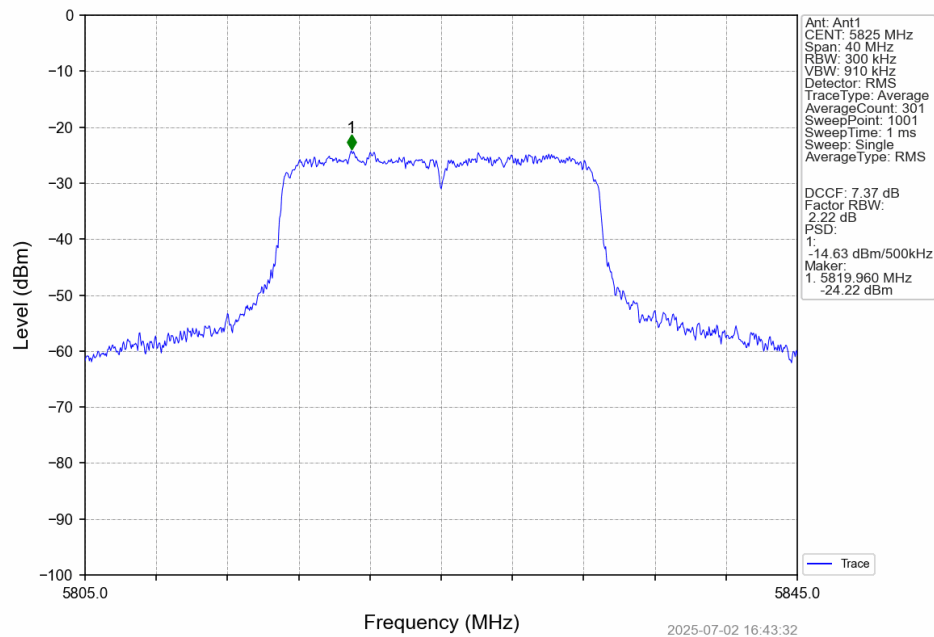
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



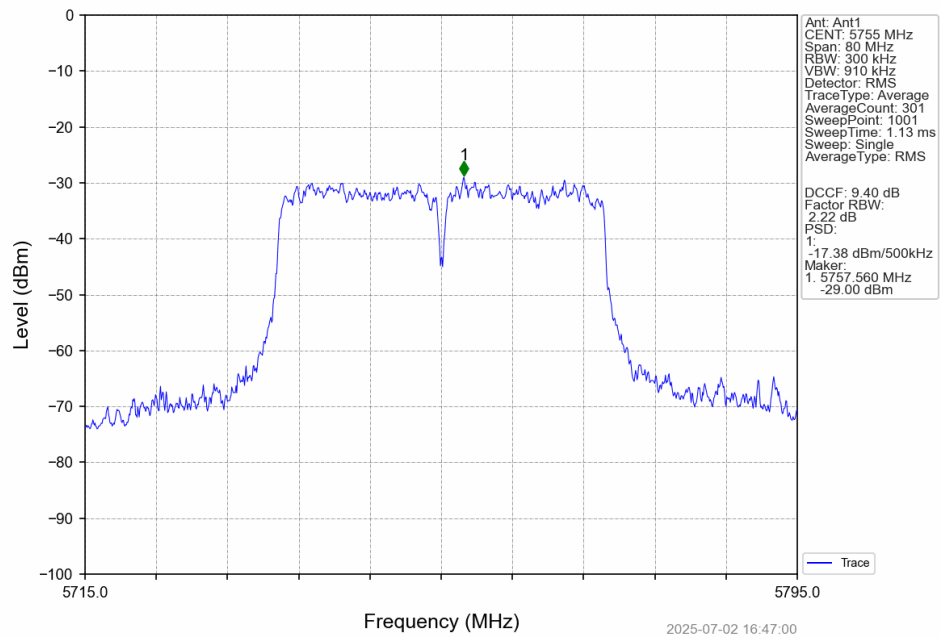
802.11n(HT20) MCH 5785MHz Ant1 NTN



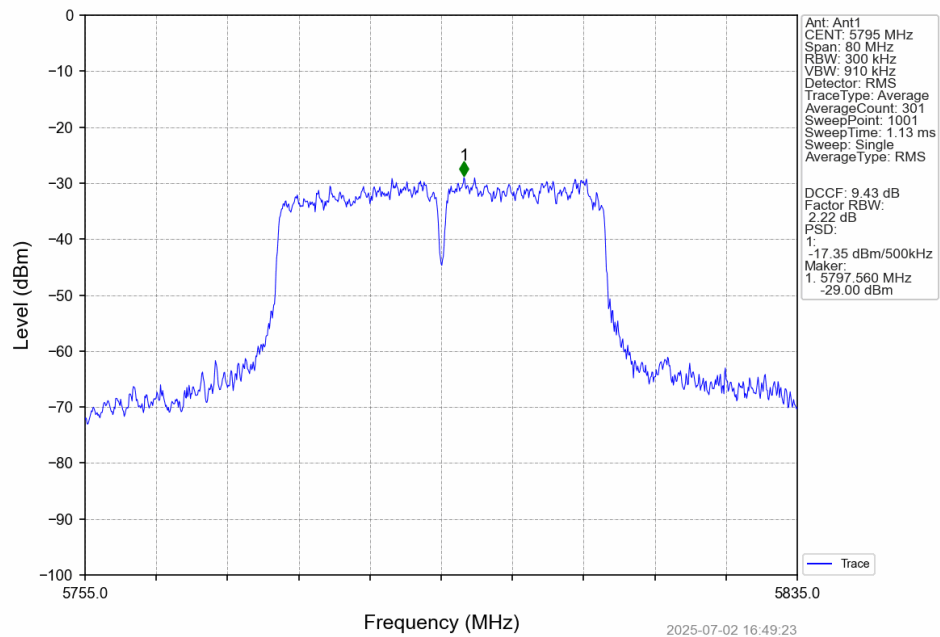
802.11n(HT20)_HCH_5825MHz_Ant1_NTN



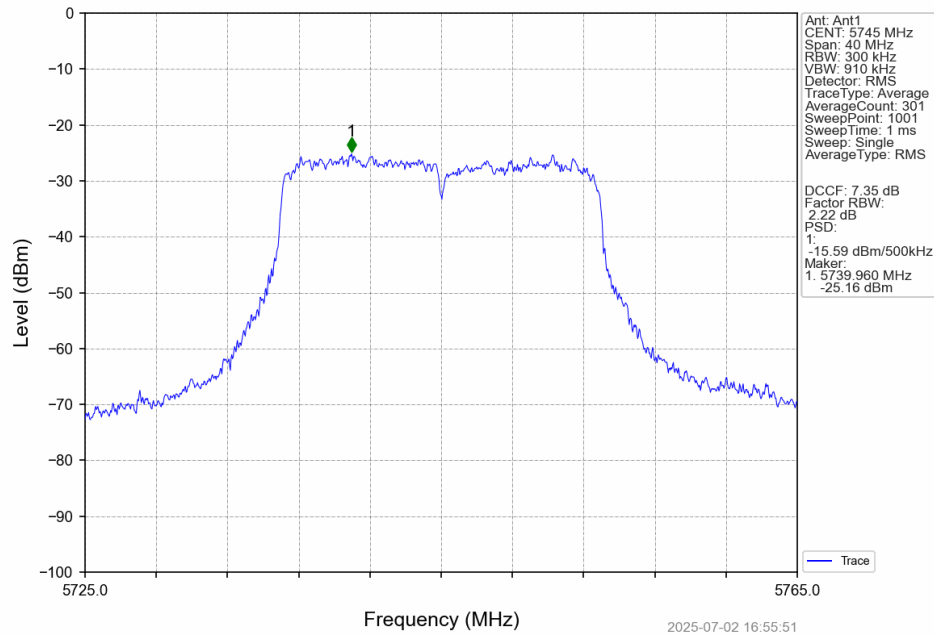
802.11n(HT40) LCH 5755MHz Ant1 NTN



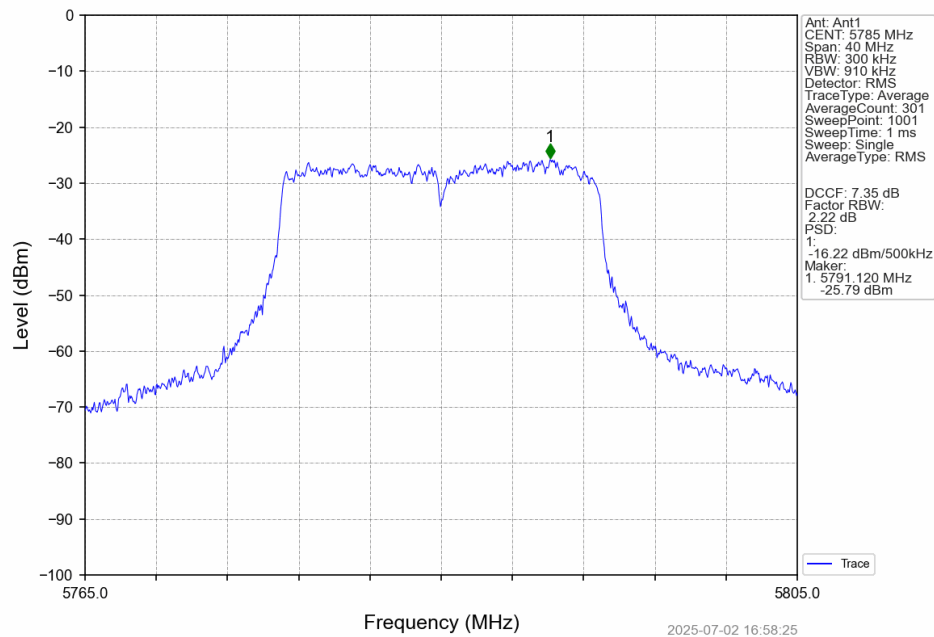
802.11n(HT40)_HCH 5795MHz Ant1 NTN



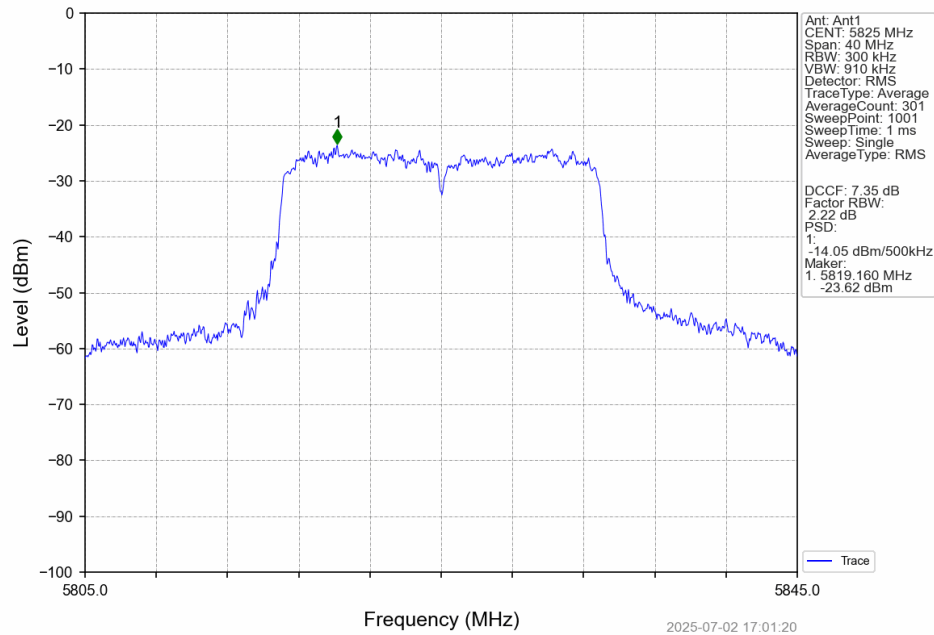
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



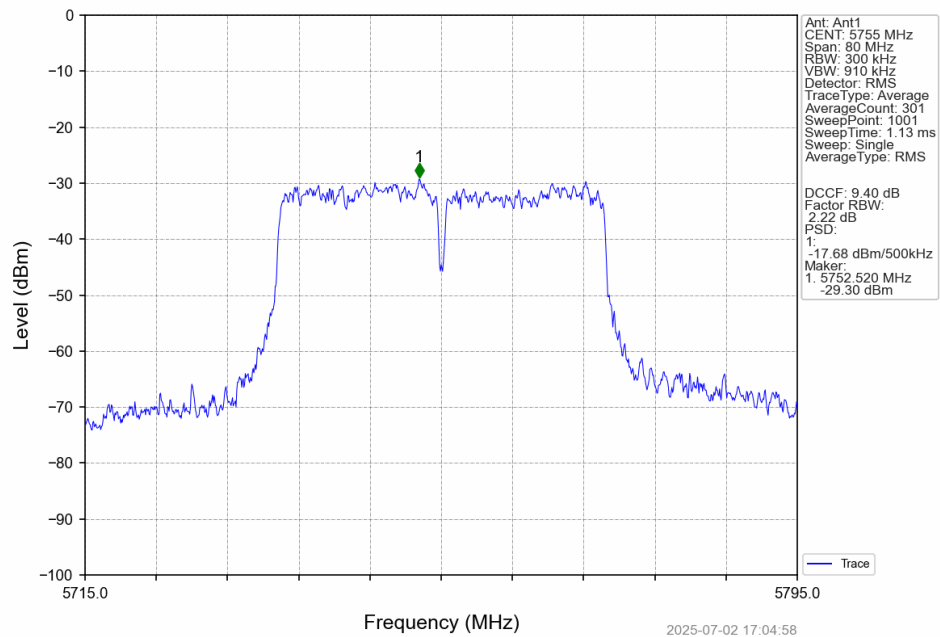
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



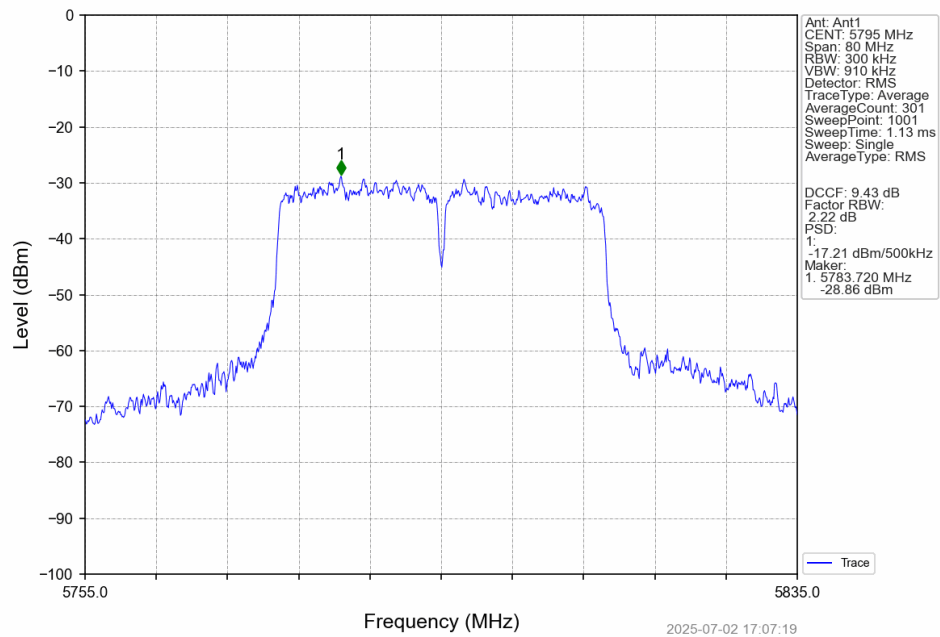
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



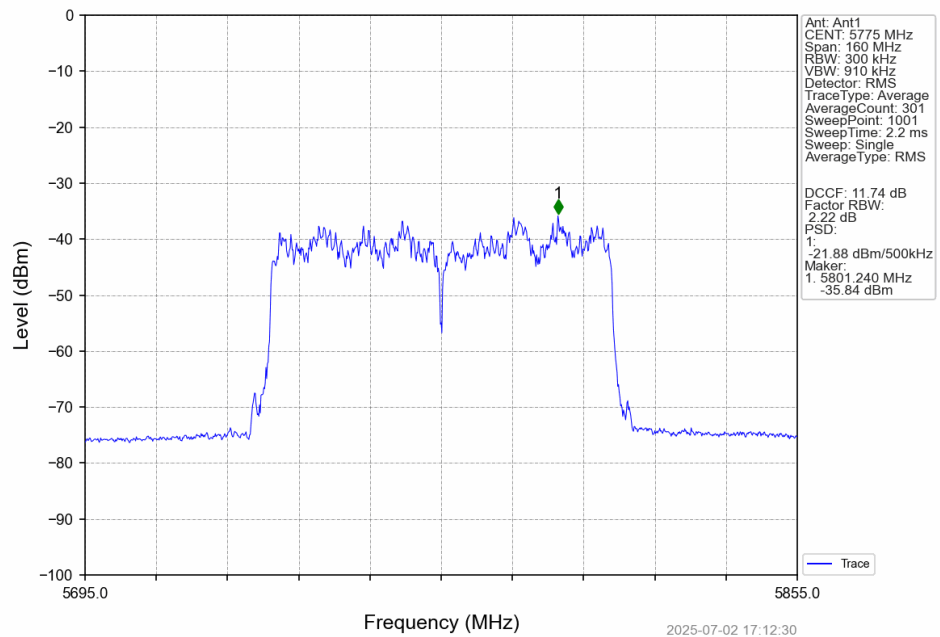
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTN



802.11ac(VHT40) HCH 5795MHz Ant1 NTN



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTN



5. Unwanted Emissions In Restricted Frequency Bands

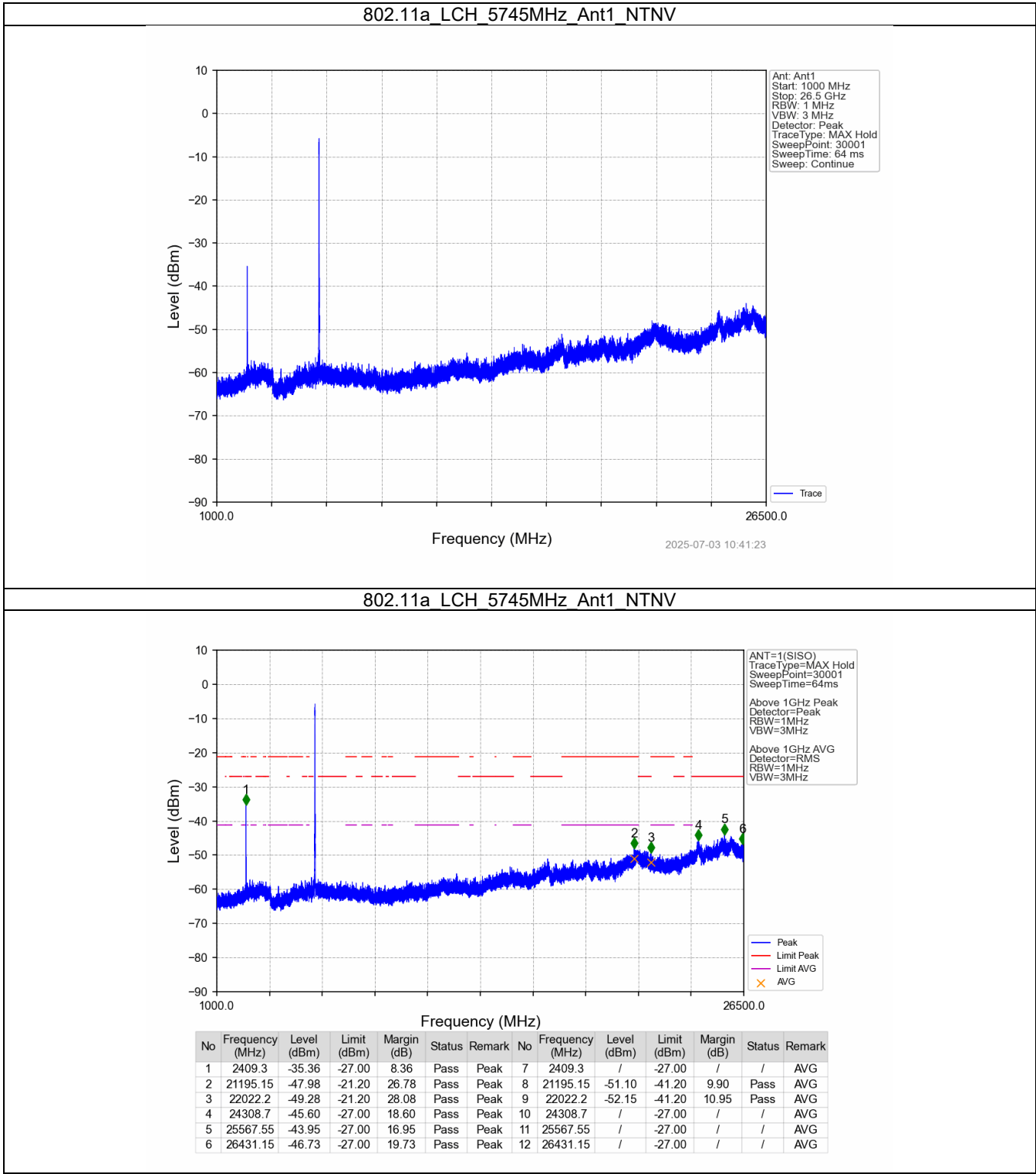
5.1 Test Result

5.1.1 RSE

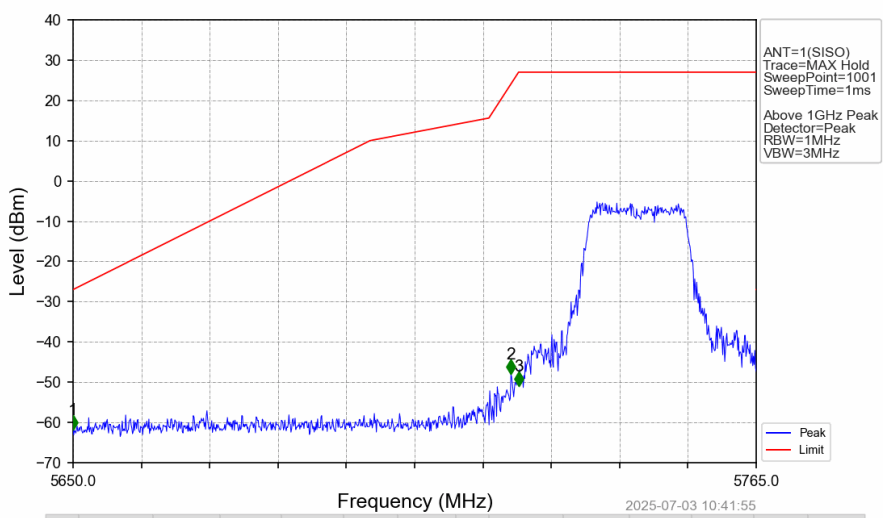
Mode	TX Type	Frequency (MHz)	ANT	Level of Unwanted Emissions (dBm)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	Refer To Test Graph		Pass
		5785	1	Refer To Test Graph		Pass
		5825	1	Refer To Test Graph		Pass
802.11n (HT20)	SISO	5745	1	Refer To Test Graph		Pass
		5785	1	Refer To Test Graph		Pass
		5825	1	Refer To Test Graph		Pass
802.11n (HT40)	SISO	5755	1	Refer To Test Graph		Pass
		5795	1	Refer To Test Graph		Pass
802.11ac (VHT20)	SISO	5745	1	Refer To Test Graph		Pass
		5785	1	Refer To Test Graph		Pass
		5825	1	Refer To Test Graph		Pass
802.11ac (VHT40)	SISO	5755	1	Refer To Test Graph		Pass
		5795	1	Refer To Test Graph		Pass
802.11ac (VHT80)	SISO	5775	1	Refer To Test Graph		Pass

5.2 Test Graph

5.2.1 RSE

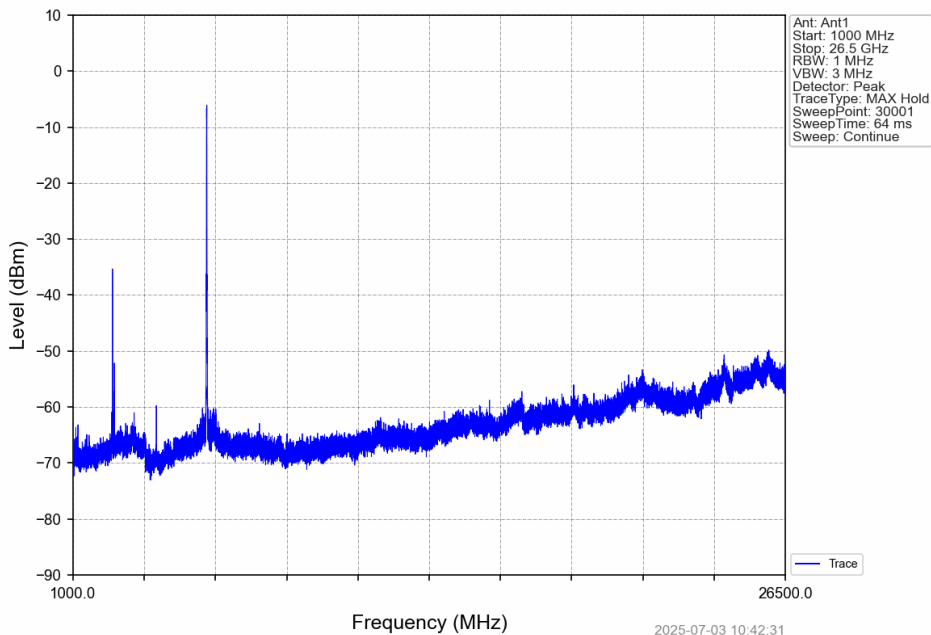


802.11a LCH 5745MHz Ant1 NTN

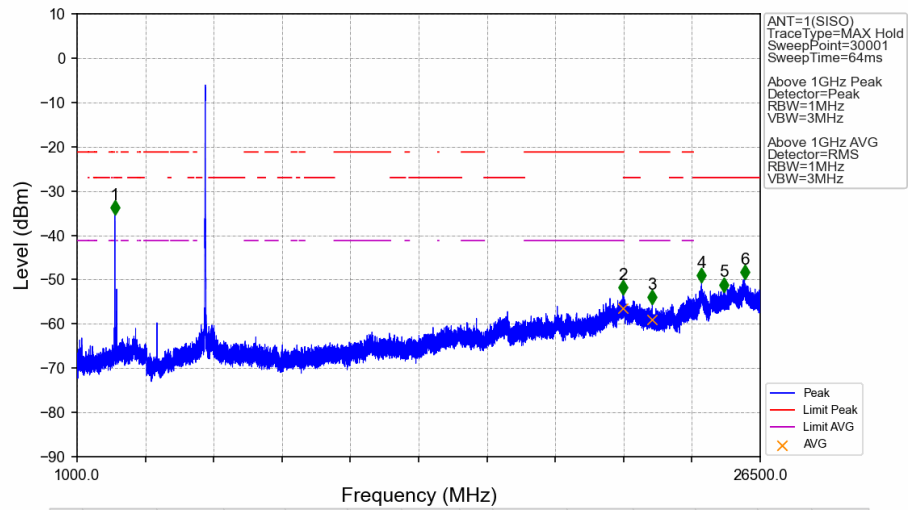


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5650.000	-61.66	-27.00	34.66	Pass	Peak	3	5725.000	-50.83	27.00	77.83	Pass	Peak
2	5723.715	-47.98	24.07	72.05	Pass	Peak							

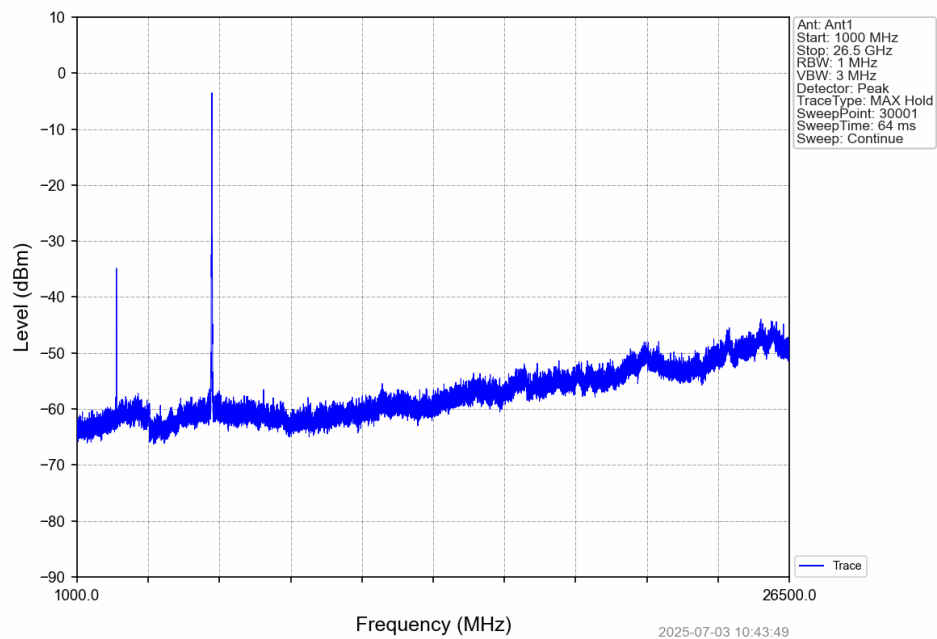
802.11a_MCH_5785MHz_Ant1_NTNV



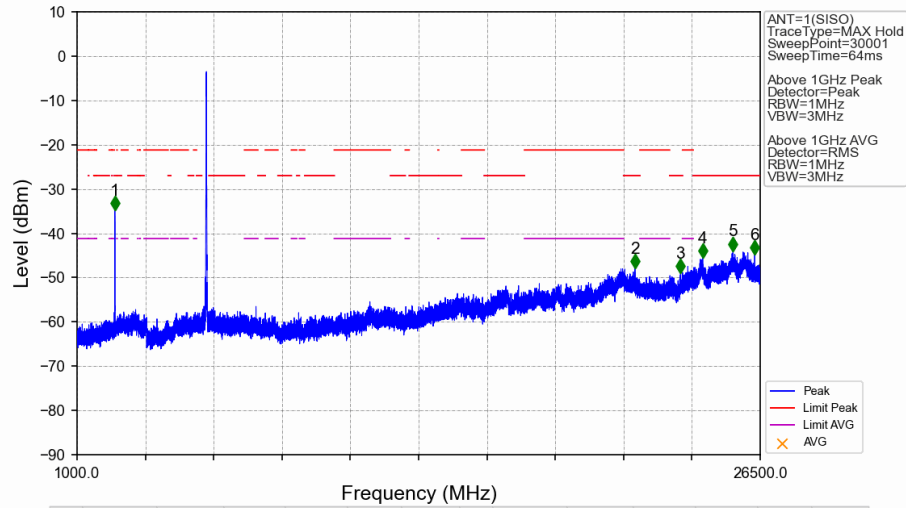
802.11a MCH 5785MHz Ant1 NTN



802.11a_HCH_5825MHz_Ant1_NTNV

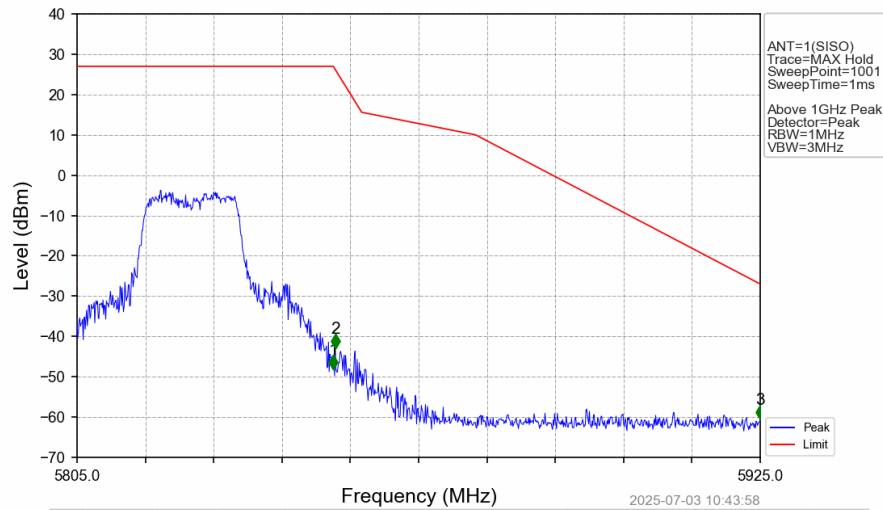


802.11a_HCH_5825MHz_Ant1_NTNV



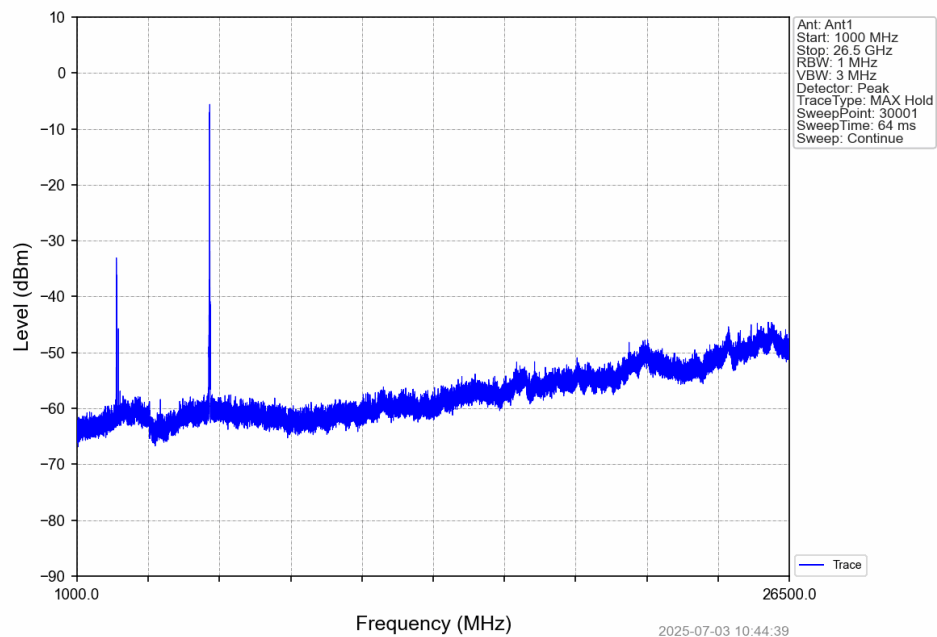
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2411	-34.84	-27.00	7.84	Pass	Peak	7	2411	/	-27.00	/	/	AVG
2	21825.85	-47.92	-27.00	20.92	Pass	Peak	8	21825.85	/	-27.00	/	/	AVG
3	23529.25	-48.98	-27.00	21.98	Pass	Peak	9	23529.25	/	-27.00	/	/	AVG
4	24353.75	-45.47	-27.00	18.47	Pass	Peak	10	24353.75	/	-27.00	/	/	AVG
5	25482.55	-43.95	-27.00	16.95	Pass	Peak	11	25482.55	/	-27.00	/	/	AVG
6	26293.45	-44.80	-27.00	17.80	Pass	Peak	12	26293.45	/	-27.00	/	/	AVG

802.11a_HCH_5825MHz_Ant1_NTNV



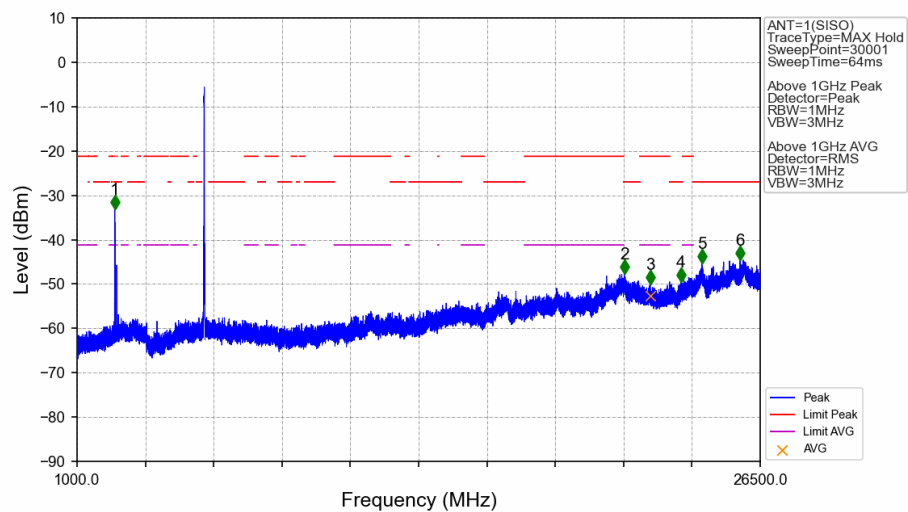
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5850.000	-48.04	27.00	75.04	Pass	Peak	3	5925.000	-60.49	-27.00	33.49	Pass	Peak
2	5850.360	-42.84	26.18	69.02	Pass	Peak							

802.11n(HT20) LCH_5745MHz_Ant1_NTNV



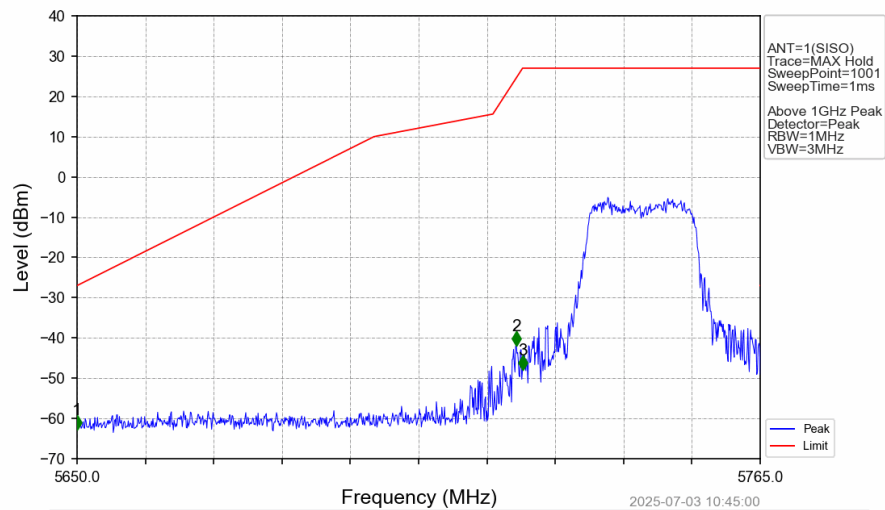
2025-07-03 10:44:39

802.11n(HT20)_LCH_5745MHz_Ant1_NTNV

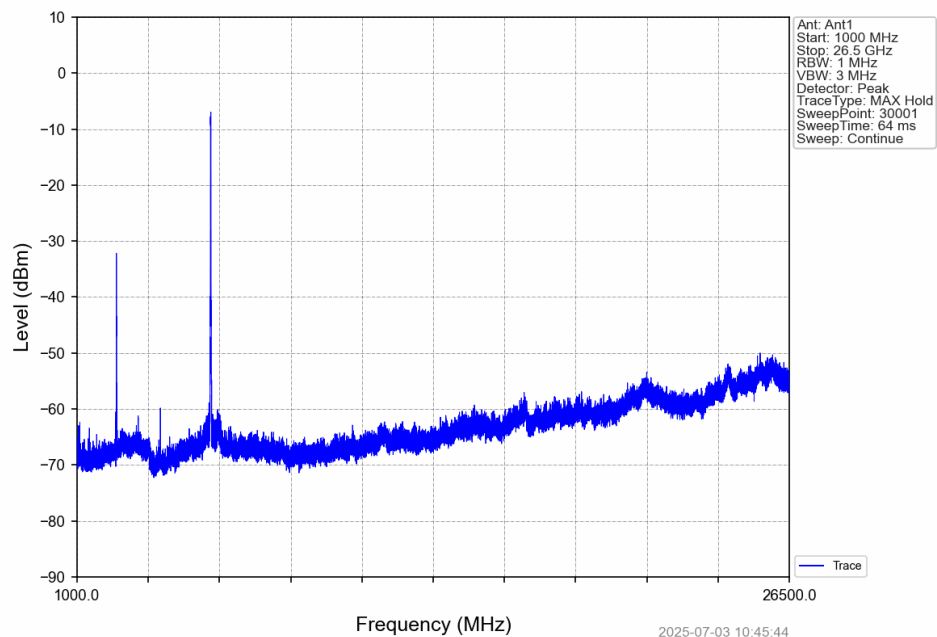


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2408.45	-33.06	-27.00	6.06	Pass	Peak	7	2408.45	/	-27.00	/	/	AVG
2	21429.75	-47.72	-27.00	20.72	Pass	Peak	8	21429.75	/	-27.00	/	/	AVG
3	22395.35	-50.08	-21.20	28.88	Pass	Peak	9	22395.35	-52.60	-41.20	11.40	Pass	AVG
4	23542.85	-49.42	-27.00	22.42	Pass	Peak	10	23542.85	/	-27.00	/	/	AVG
5	24324.85	-45.38	-27.00	18.38	Pass	Peak	11	24324.85	/	-27.00	/	/	AVG
6	25747.75	-44.56	-27.00	17.56	Pass	Peak	12	25747.75	/	-27.00	/	/	AVG

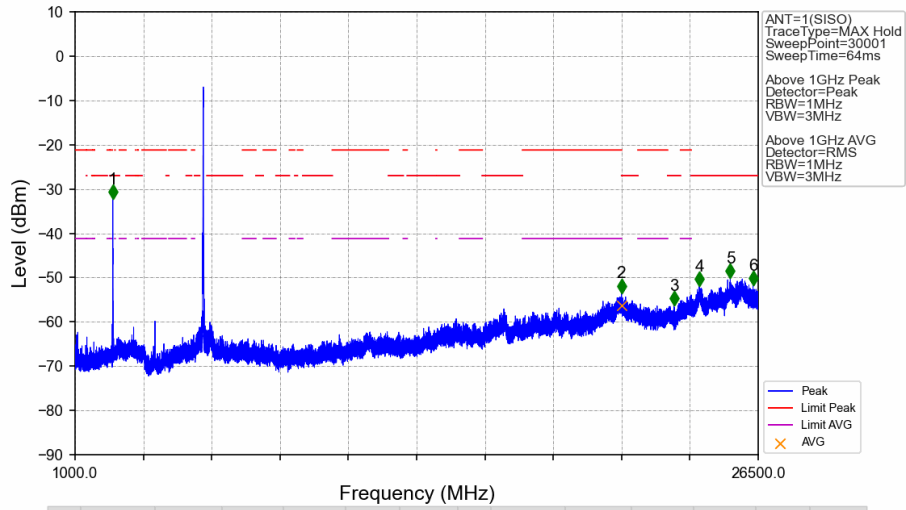
802.11n(HT20) LCH 5745MHz Ant1 NTN



802.11n(HT20)_MCH_5785MHz_Ant1_NTN

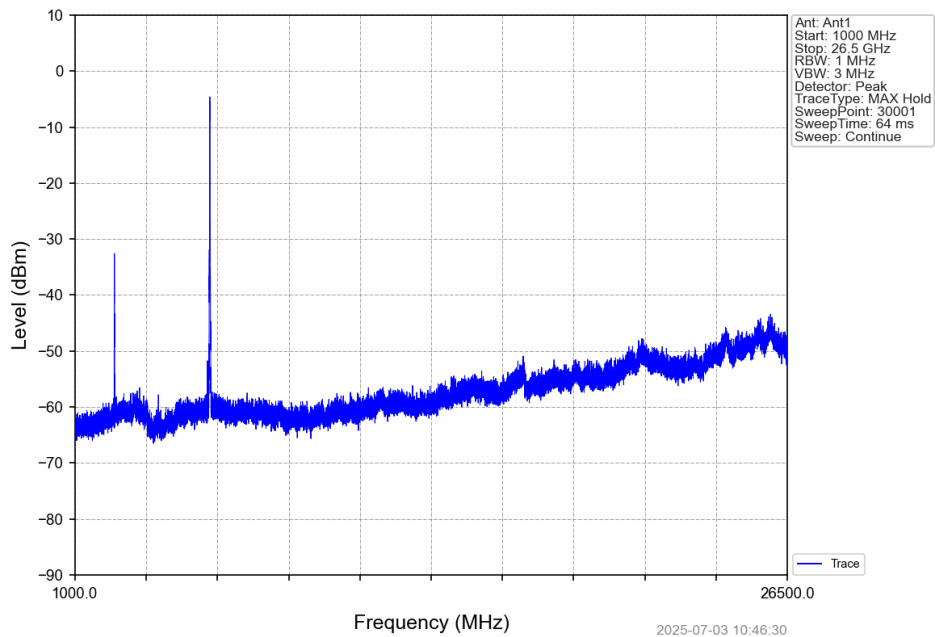


802.11n(HT20) MCH 5785MHz Ant1 NTN



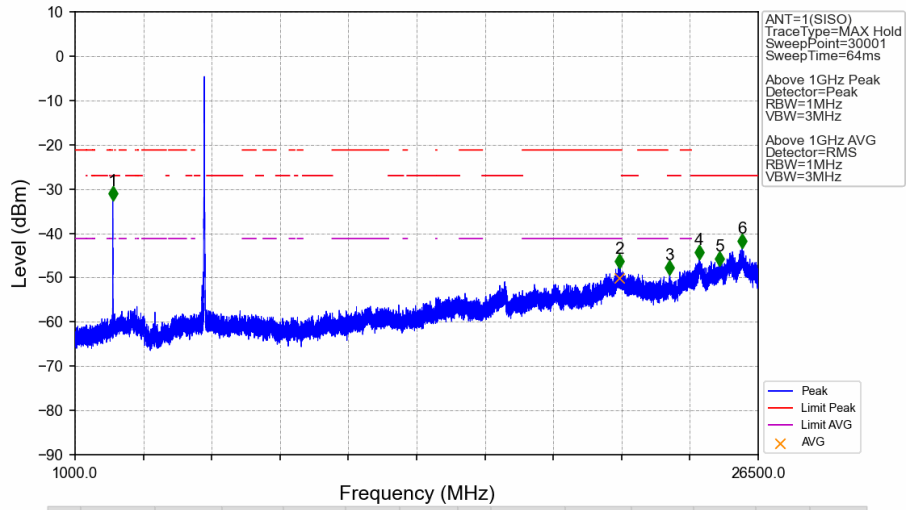
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2408.45	-32.16	-27.00	5.16	Pass	Peak	7	2408.45	/	-27.00	/	/	AVG
2	21395.75	-53.43	-21.20	32.23	Pass	Peak	8	21395.75	-56.24	-41.20	15.04	Pass	AVG
3	23354.15	-56.26	-27.00	29.26	Pass	Peak	9	23354.15	/	-27.00	/	/	AVG
4	24304.45	-51.94	-27.00	24.94	Pass	Peak	10	24304.45	/	-27.00	/	/	AVG
5	25457.05	-49.98	-27.00	22.98	Pass	Peak	11	25457.05	/	-27.00	/	/	AVG
6	26306.2	-51.66	-27.00	24.66	Pass	Peak	12	26306.2	/	-27.00	/	/	AVG

802.11n(HT20) HCH 5825MHz Ant1 NTN



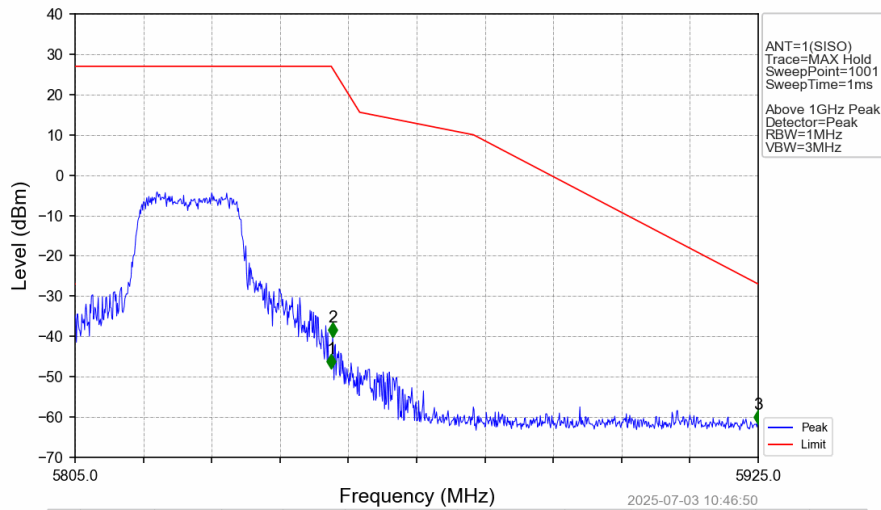
2025-07-03 10:46:30

802.11n(HT20) HCH 5825MHz Ant1 NTN



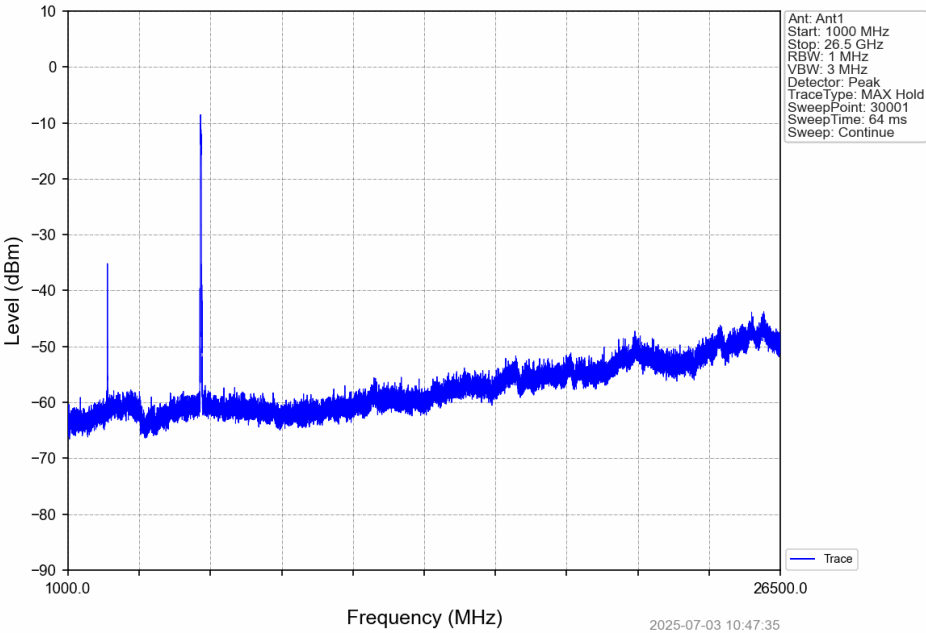
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2408.45	-32.57	-27.00	5.57	Pass	Peak	7	2408.45	/	-27.00	/	/	AVG
2	21315.85	-47.81	-21.20	26.61	Pass	Peak	8	21315.85	-50.12	-41.20	8.92	Pass	AVG
3	23192.65	-49.34	-27.00	22.34	Pass	Peak	9	23192.65	/	-27.00	/	/	AVG
4	24289.15	-45.80	-27.00	18.80	Pass	Peak	10	24289.15	/	-27.00	/	/	AVG
5	25055	-47.25	-27.00	20.25	Pass	Peak	11	25055	/	-27.00	/	/	AVG
6	25899.9	-43.40	-27.00	16.40	Pass	Peak	12	25899.9	/	-27.00	/	/	AVG

802.11n(HT20) HCH 5825MHz Ant1 NTN

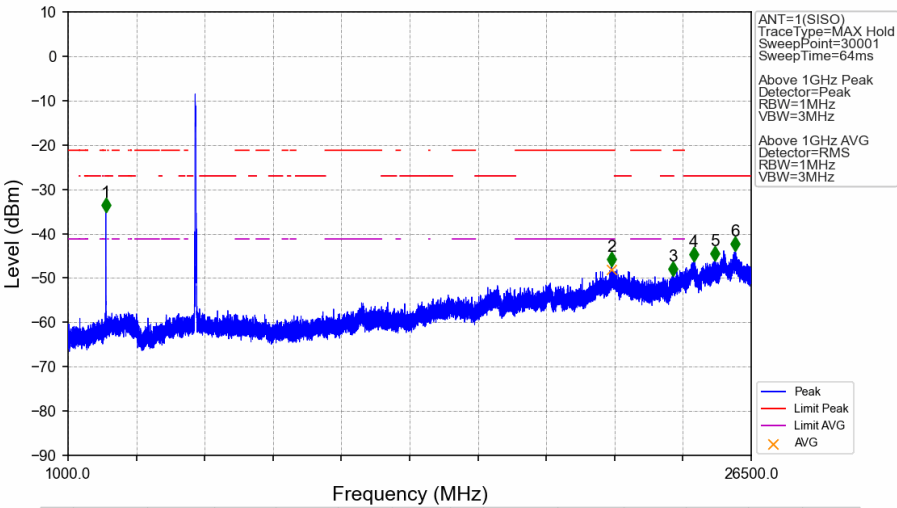


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5850.000	-47.85	27.00	74.85	Pass	Peak	3	5925.000	-61.71	-27.00	34.71	Pass	Peak
2	5850.240	-40.01	26.45	66.46	Pass	Peak							

802.11n(HT40) LCH 5755MHz Ant1 NTN

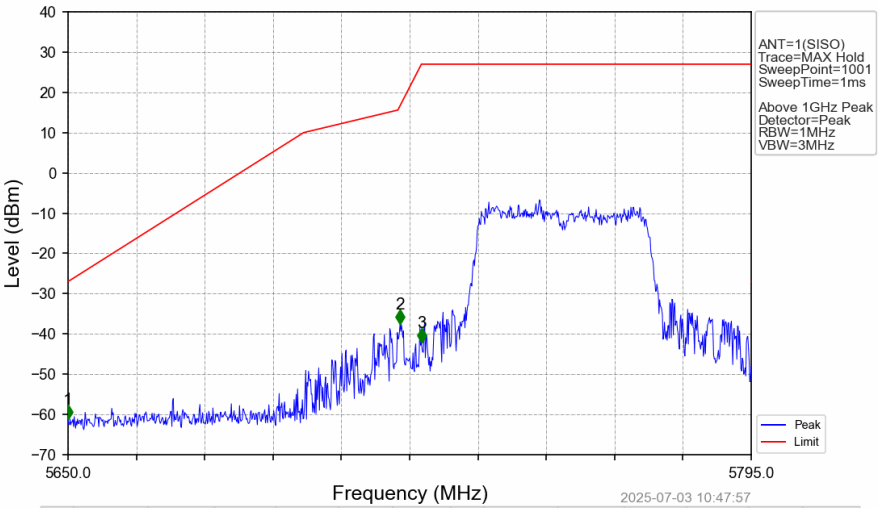


802.11n(HT40) LCH 5755MHz Ant1 NTN

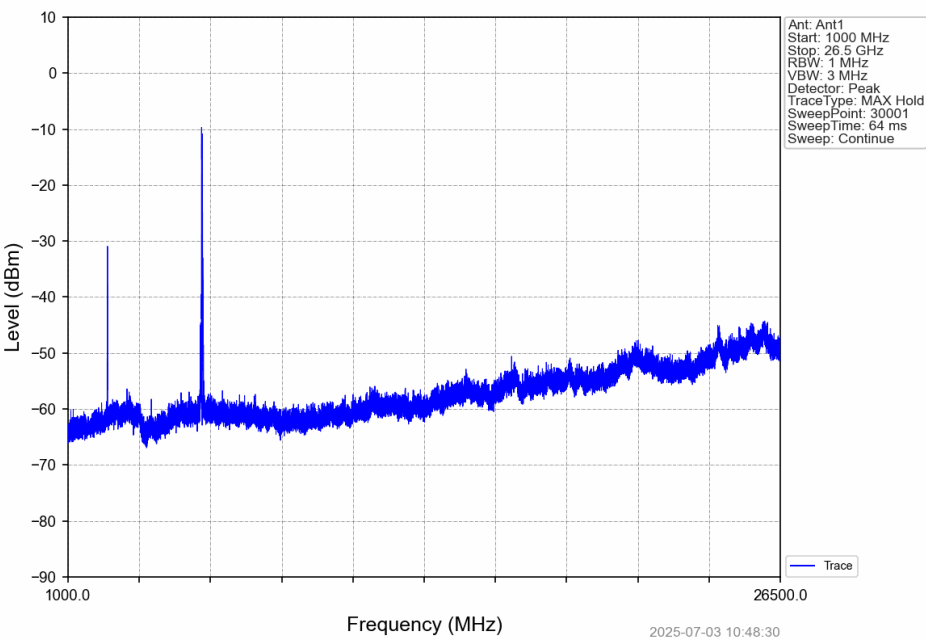


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2411	-35.15	-27.00	8.15	Pass	Peak	7	2411	/	-27.00	/	/	AVG
2	21294.6	-47.25	-21.20	26.05	Pass	Peak	8	21294.6	-48.16	-41.20	6.96	Pass	AVG
3	23561.55	-49.59	-27.00	22.59	Pass	Peak	9	23561.55	/	-27.00	/	/	AVG
4	24354.6	-46.18	-27.00	19.18	Pass	Peak	10	24354.6	/	-27.00	/	/	AVG
5	25144.25	-45.99	-27.00	18.99	Pass	Peak	11	25144.25	/	-27.00	/	/	AVG
6	25910.1	-43.78	-27.00	16.78	Pass	Peak	12	25910.1	/	-27.00	/	/	AVG

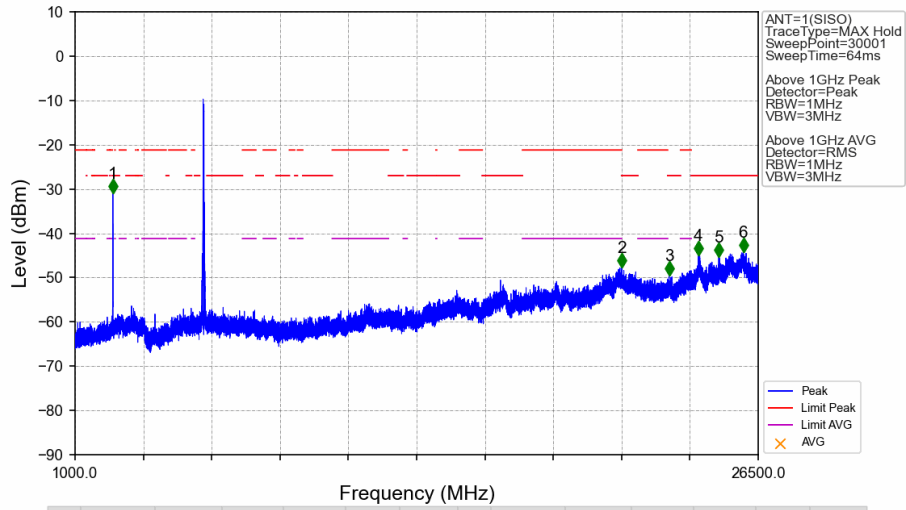
802.11n(HT40) LCH 5755MHz Ant1 NTN



802.11n(HT40)_HCH_5795MHz_Ant1_NTN

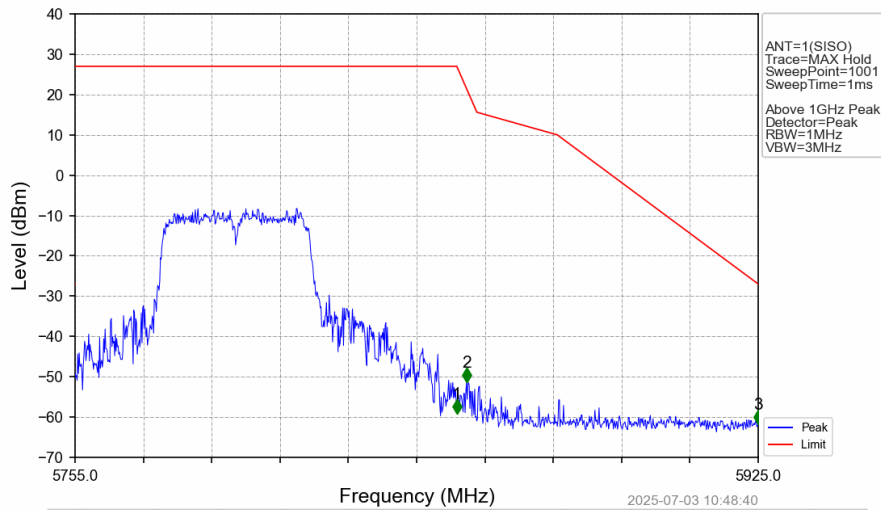


802.11n(HT40) HCH 5795MHz Ant1 NTN



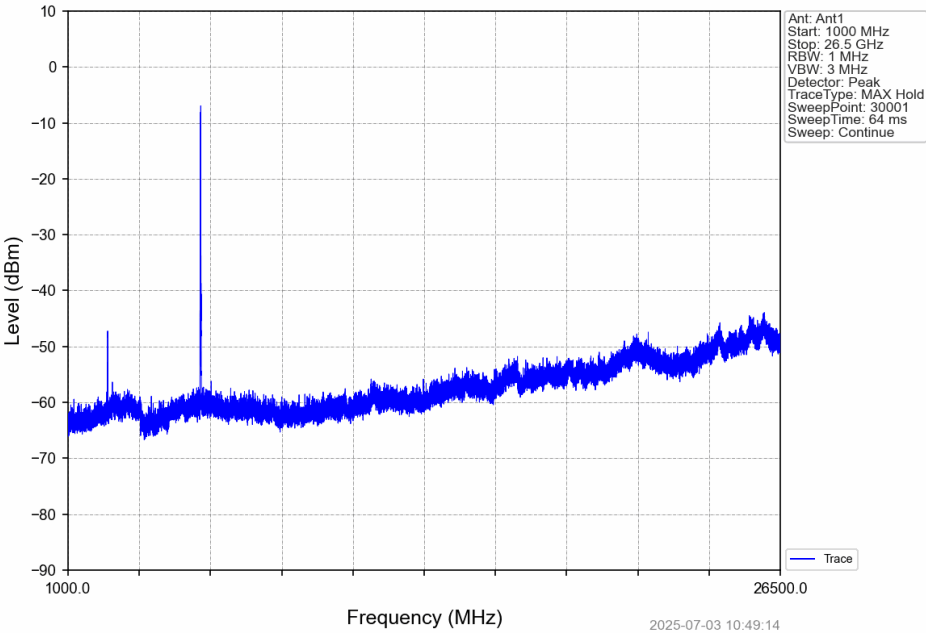
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2412.7	-30.92	-27.00	3.92	Pass	Peak	7	2412.7	/	-27.00	/	/	AVG
2	21407.65	-47.73	-27.00	20.73	Pass	Peak	8	21407.65	/	-27.00	/	/	AVG
3	23174.8	-49.58	-27.00	22.58	Pass	Peak	9	23174.8	/	-27.00	/	/	AVG
4	24260.25	-45.04	-27.00	18.04	Pass	Peak	10	24260.25	/	-27.00	/	/	AVG
5	25026.95	-45.32	-27.00	18.32	Pass	Peak	11	25026.95	/	-27.00	/	/	AVG
6	25943.25	-44.26	-27.00	17.26	Pass	Peak	12	25943.25	/	-27.00	/	/	AVG

802.11n(HT40) HCH 5795MHz Ant1 NTN



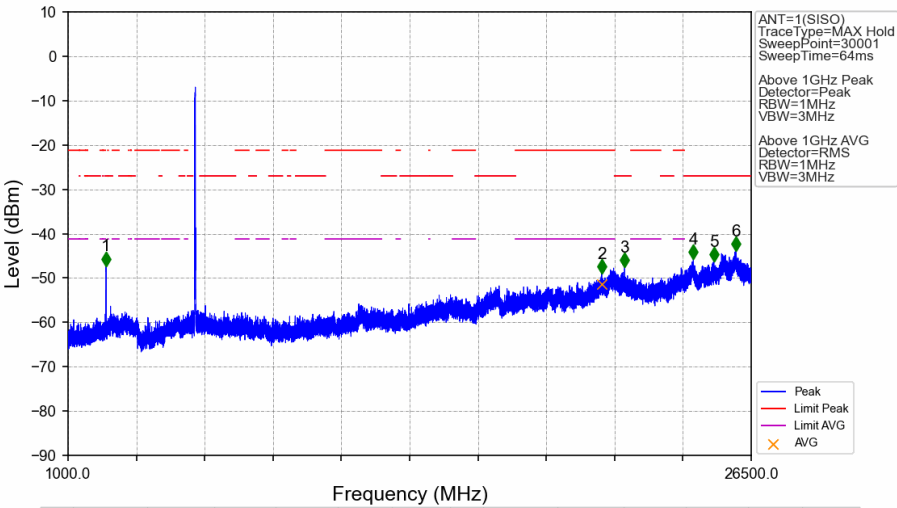
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5850.000	-59.05	27.00	86.05	Pass	Peak	3	5925.000	-61.64	-27.00	34.64	Pass	Peak
2	5852.410	-51.24	21.51	72.75	Pass	Peak							

802.11ac(VHT20) LCH 5745MHz Ant1 NTN



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802.11ac(VHT20) LCH 5745MHz Ant1 NTN



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2417.8	-47.23	-27.00	20.23	Pass	Peak	7	2417.8	/	-27.00	/	/	AVG
2	20918.9	-48.98	-21.20	27.78	Pass	Peak	8	20918.9	-51.34	-41.20	10.14	Pass	AVG
3	21773.15	-47.42	-27.00	20.42	Pass	Peak	9	21773.15	/	-27.00	/	/	AVG
4	24338.45	-45.74	-27.00	18.74	Pass	Peak	10	24338.45	/	-27.00	/	/	AVG
5	25106.85	-46.19	-27.00	19.19	Pass	Peak	11	25106.85	/	-27.00	/	/	AVG
6	25927.95	-43.92	-27.00	16.92	Pass	Peak	12	25927.95	/	-27.00	/	/	AVG