

1. Bandwidth

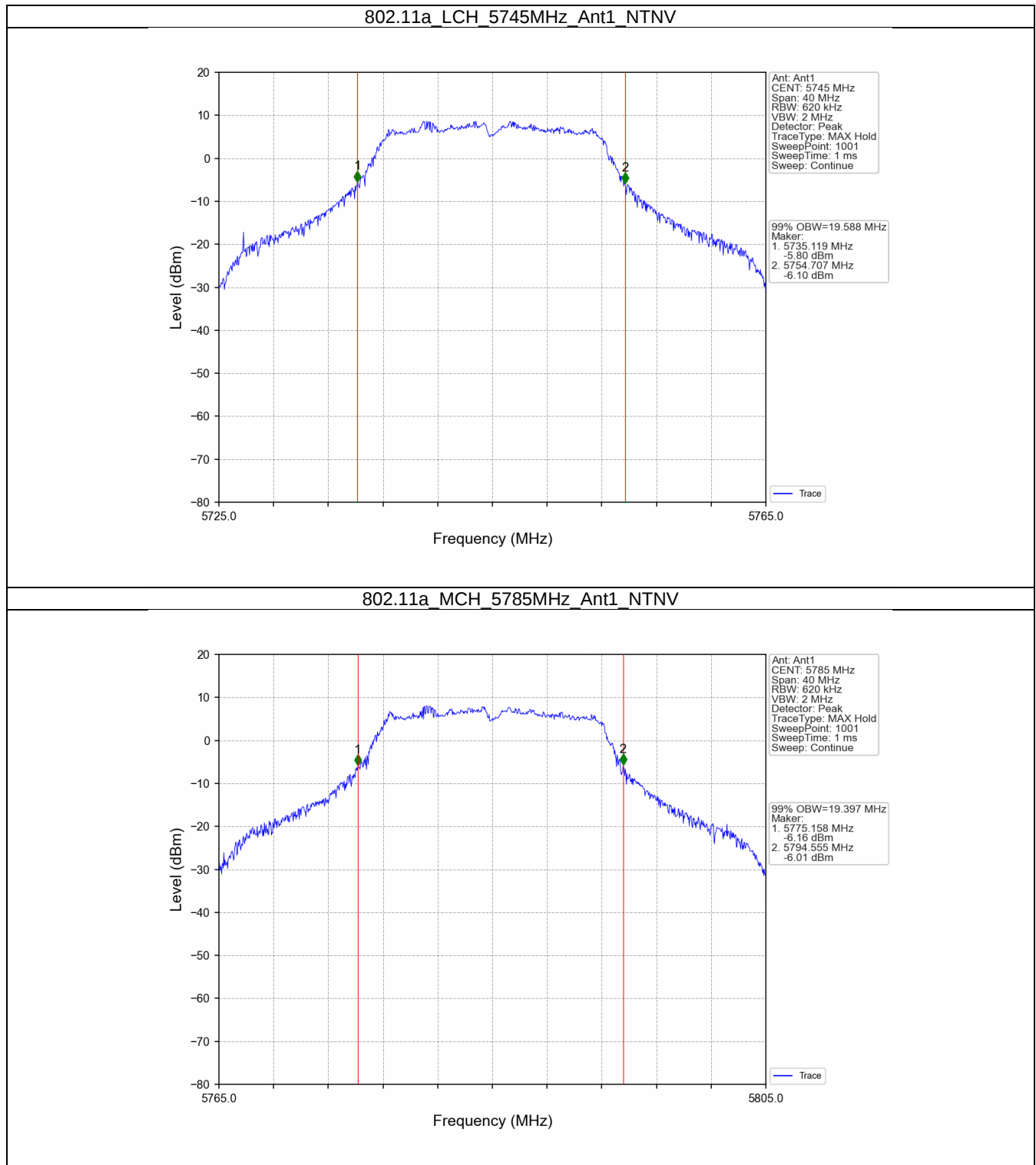
1.1 OBW

1.1.1 Test Result

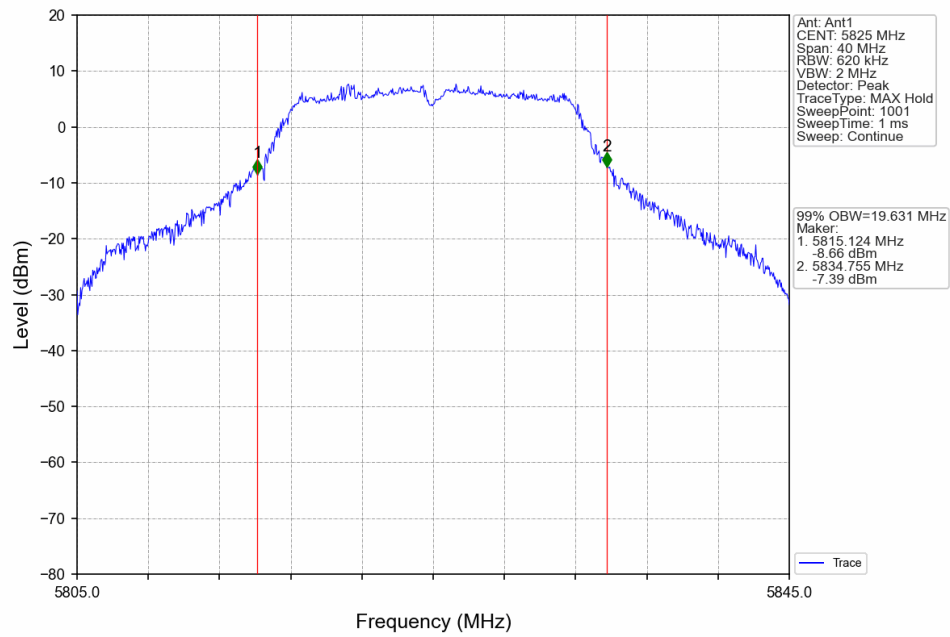
Mode	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)	Verdict
					Result	
802.11a	5745	/	/	1	19.588	Pass
	5785	/	/	1	19.397	Pass
	5825	/	/	1	19.631	Pass
802.11n (HT20)	5745	/	/	1	20.199	Pass
	5785	/	/	1	19.931	Pass
	5825	/	/	1	20.065	Pass
802.11n (HT40)	5755	/	/	1	35.995	Pass
	5795	/	/	1	36.024	Pass
802.11ac (VHT20)	5745	/	/	1	20.165	Pass
	5785	/	/	1	20.030	Pass
	5825	/	/	1	20.103	Pass
802.11ac (VHT40)	5755	/	/	1	35.927	Pass
	5795	/	/	1	35.931	Pass
802.11ac (VHT80)	5775	/	/	1	75.404	Pass
802.11ax (HEW20)	5745	RU242	Left	1	19.561	Pass
	5785	RU242	Left	1	19.421	Pass
	5825	RU242	Left	1	19.571	Pass
802.11ax (HEW40)	5755	RU484	Left	1	37.778	Pass
	5795	RU484	Left	1	37.701	Pass
802.11ax (HEW80)	5775	RU996	Left	1	77.288	Pass

Note: For Bandwidth test both antenna has been tested, only worst result antenna 1 reported.

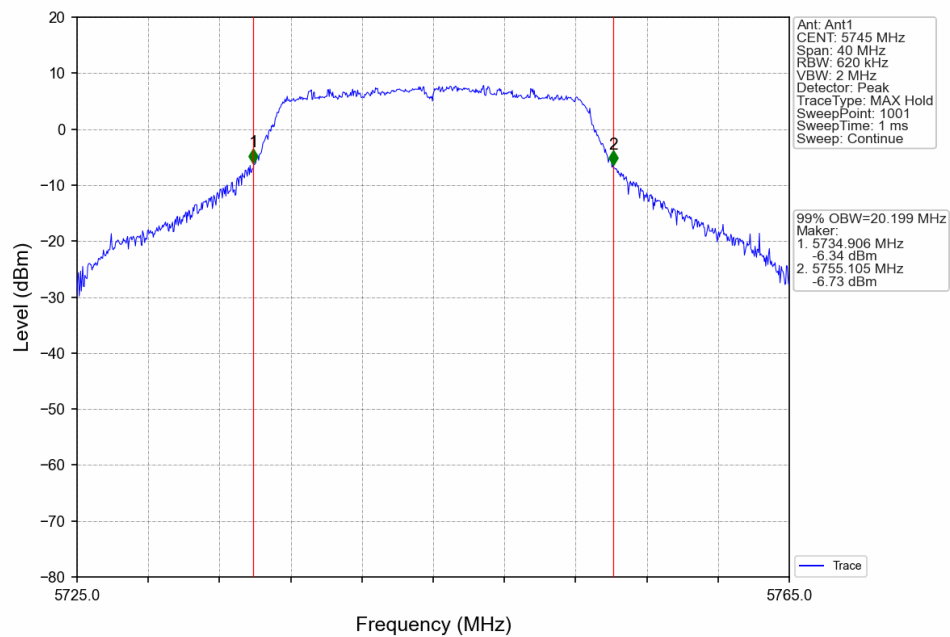
1.1.2 Test Graph



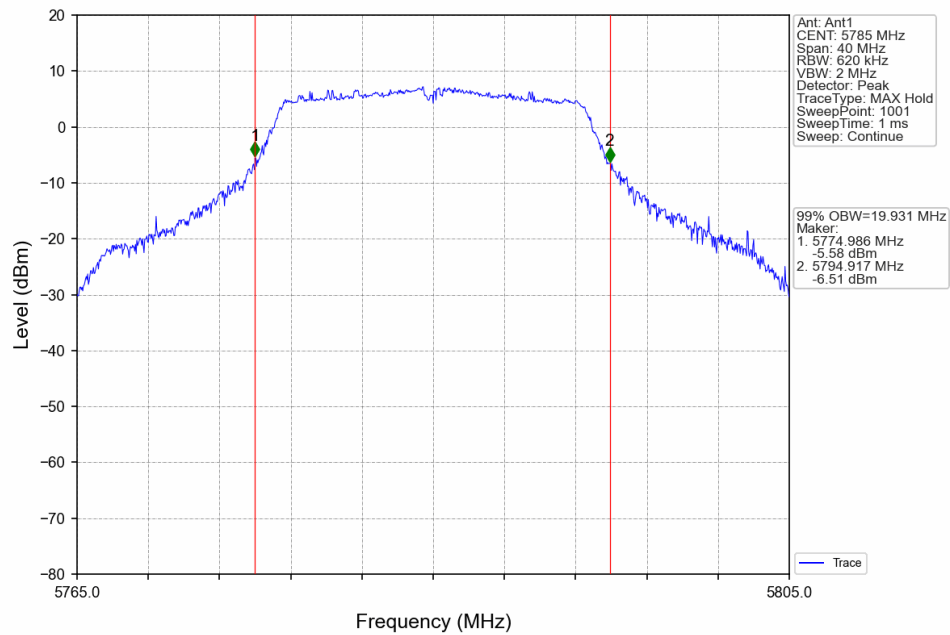
802.11a_HCH_5825MHz_Ant1_NTNV



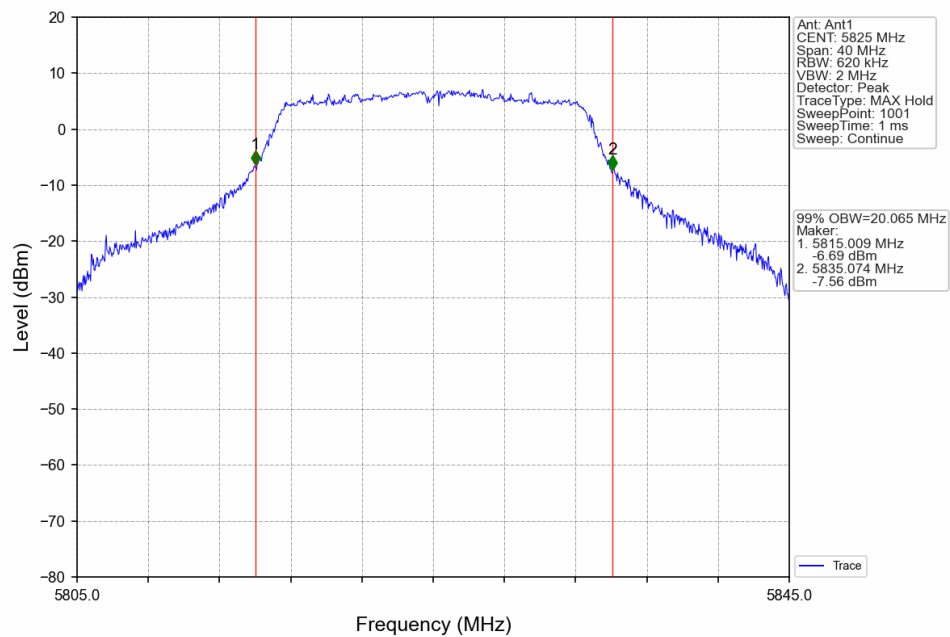
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



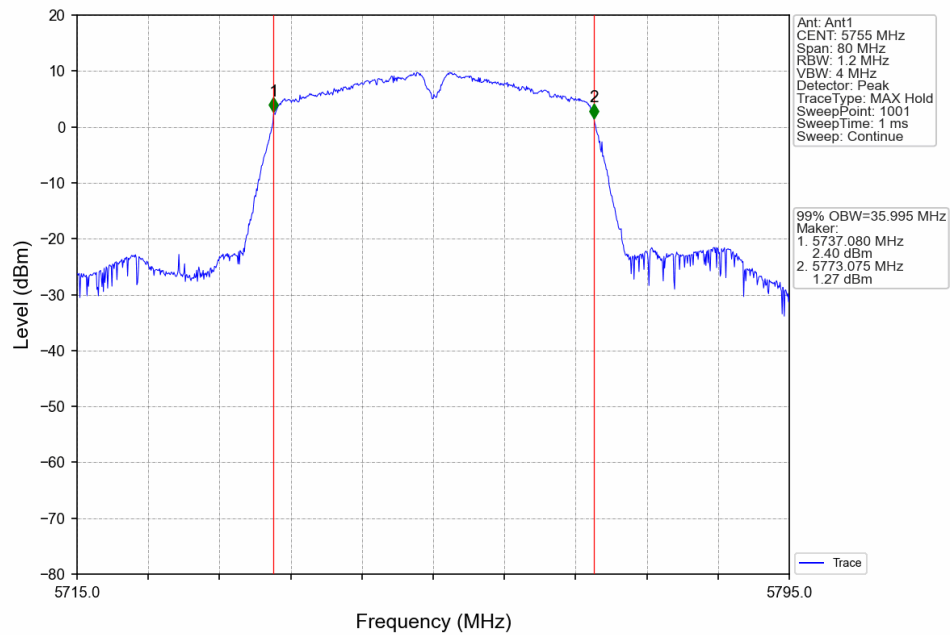
802.11n(HT20) MCH 5785MHz Ant1 NTN



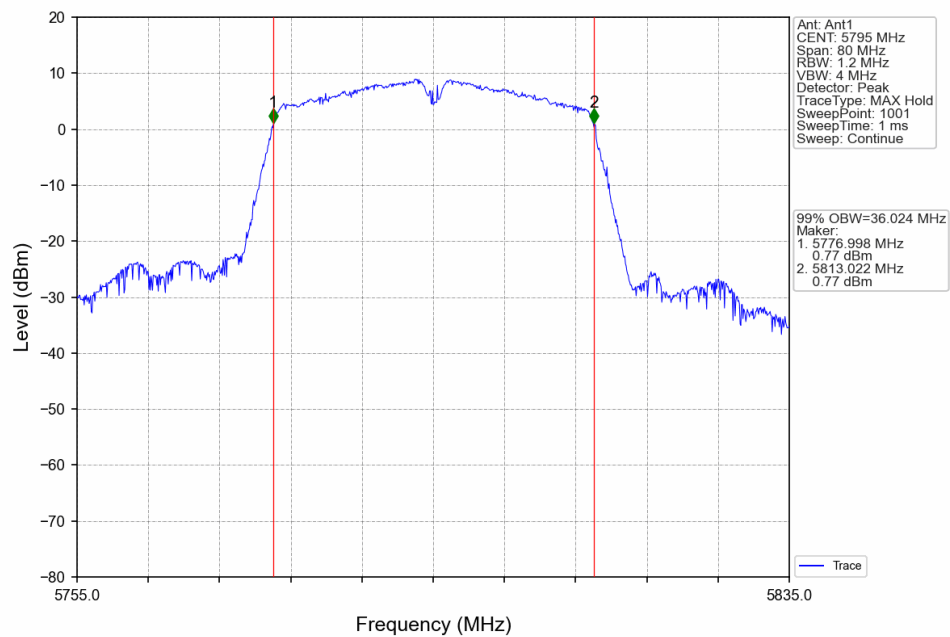
802.11n(HT20)_HCH_5825MHz_Ant1_NTN



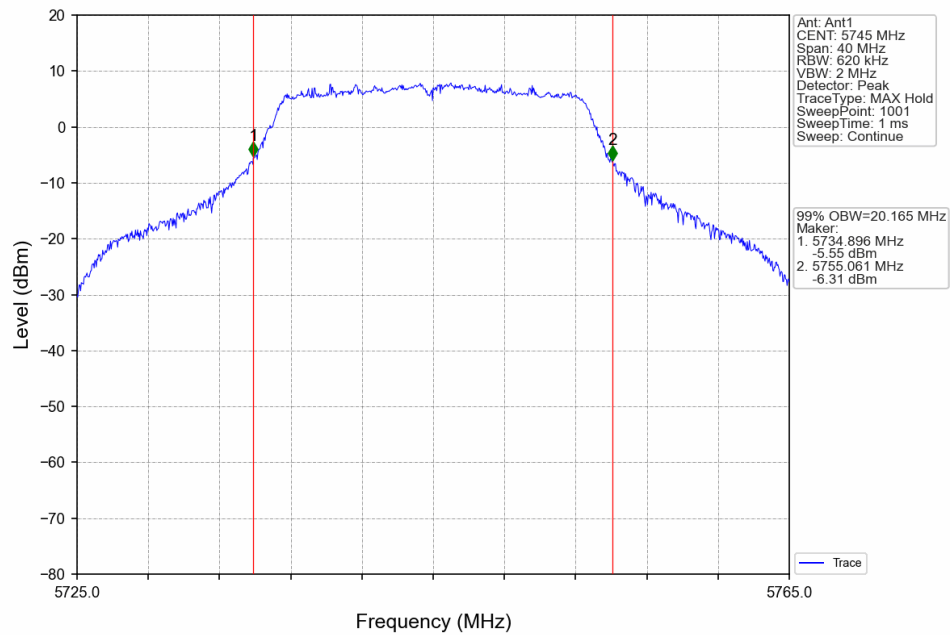
802.11n(HT40) LCH 5755MHz Ant1 NTN



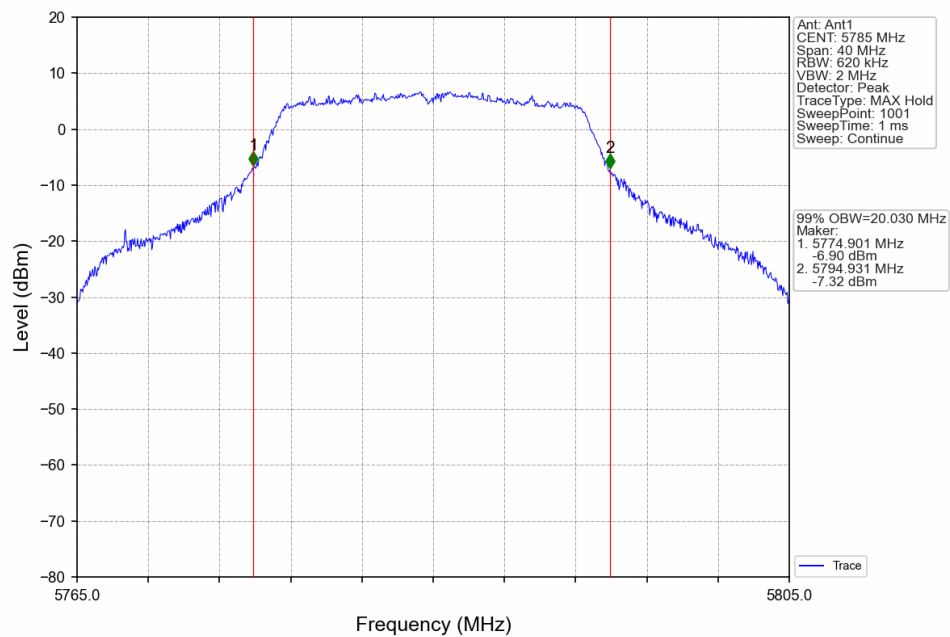
802.11n(HT40)_HCH_5795MHz_Ant1_NTN



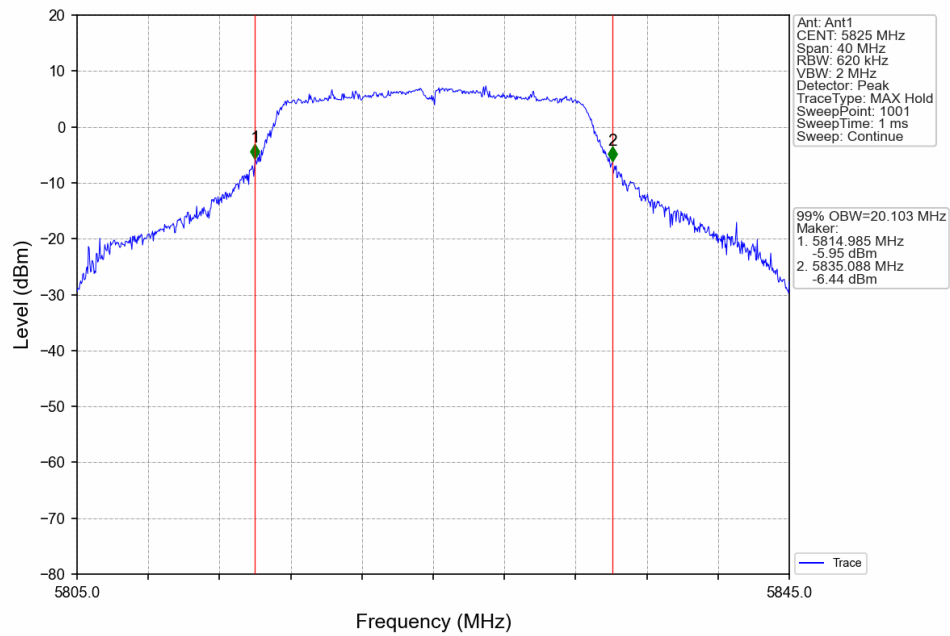
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



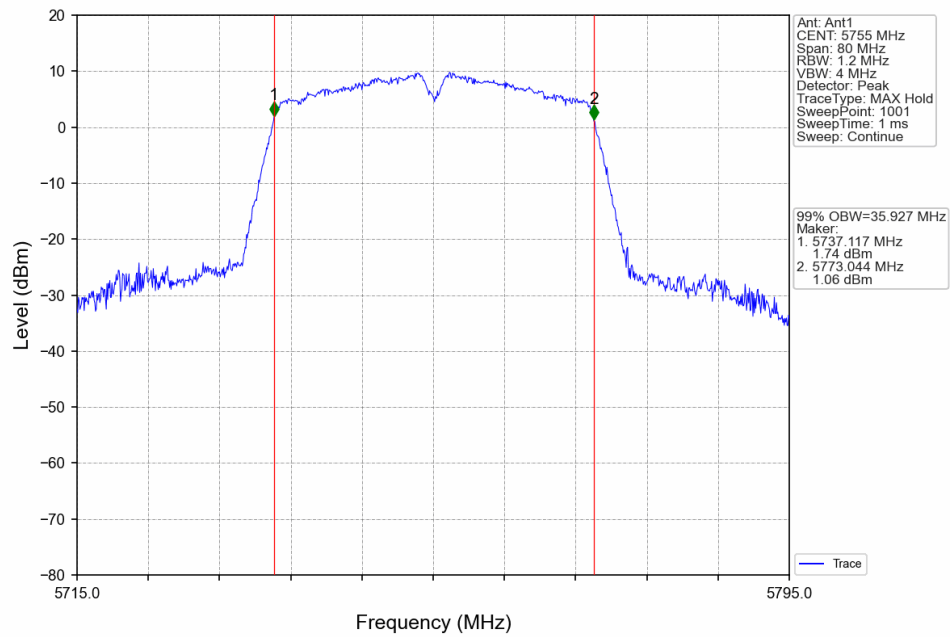
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTN



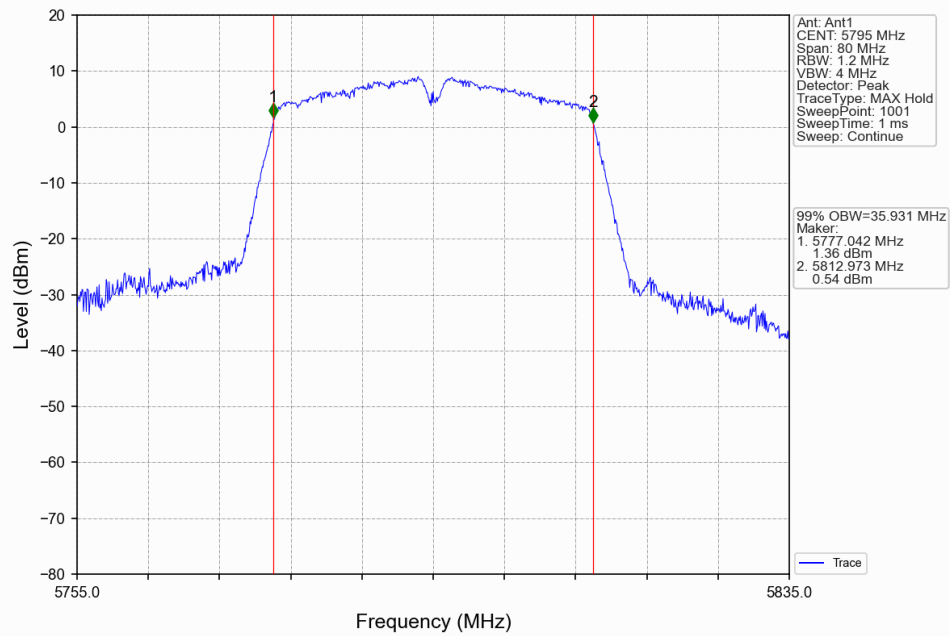
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTN



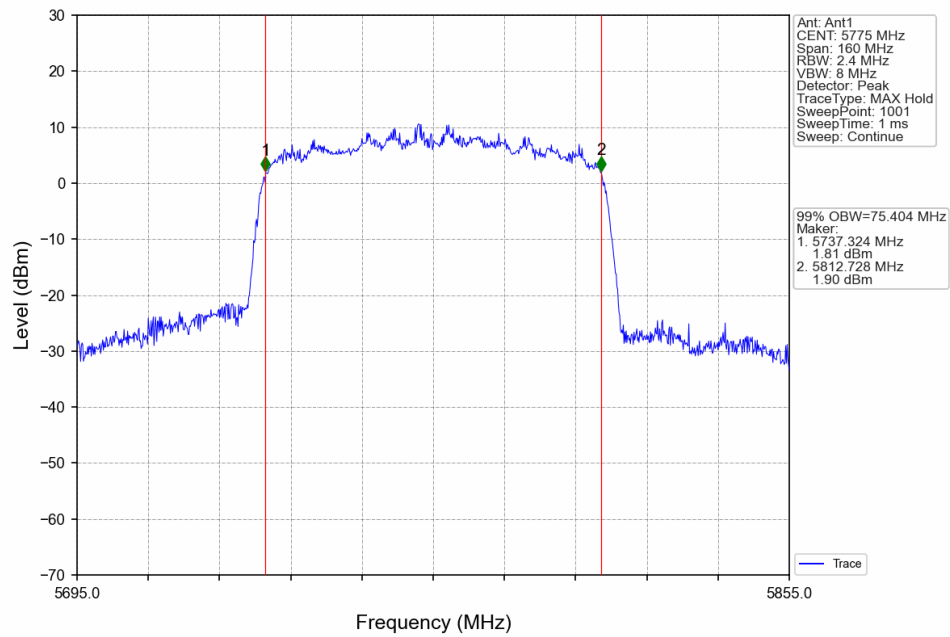
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



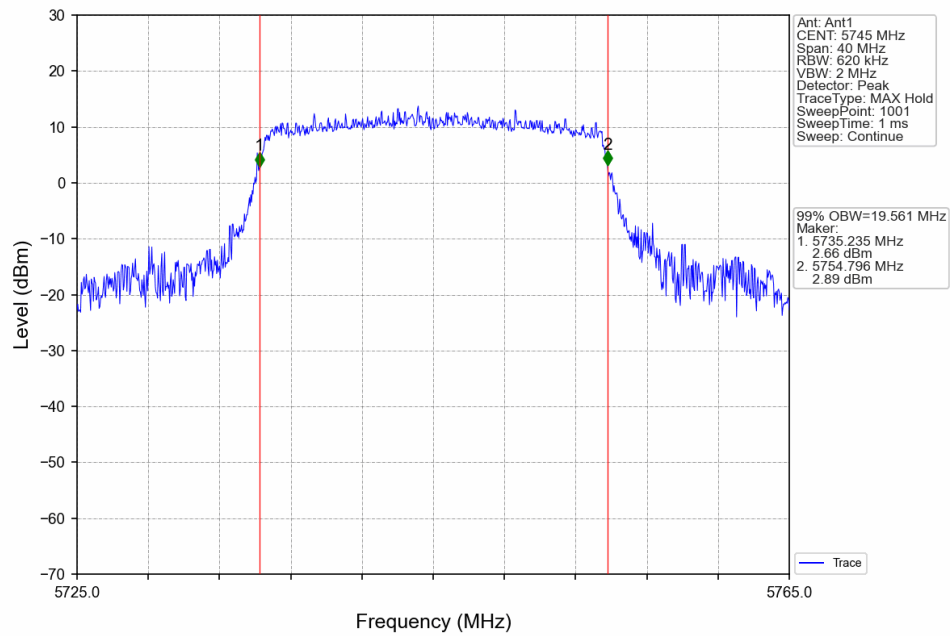
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



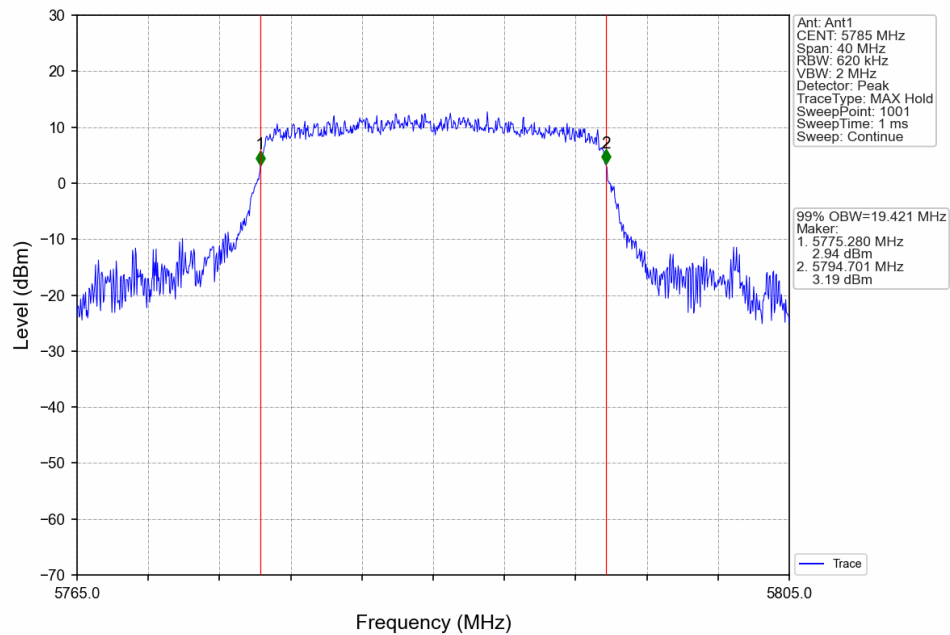
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



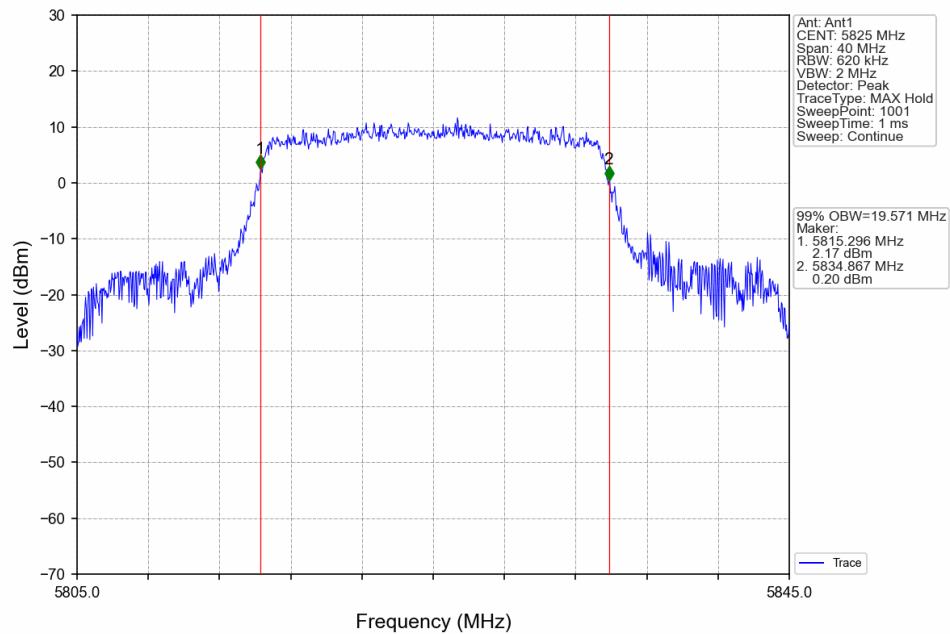
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



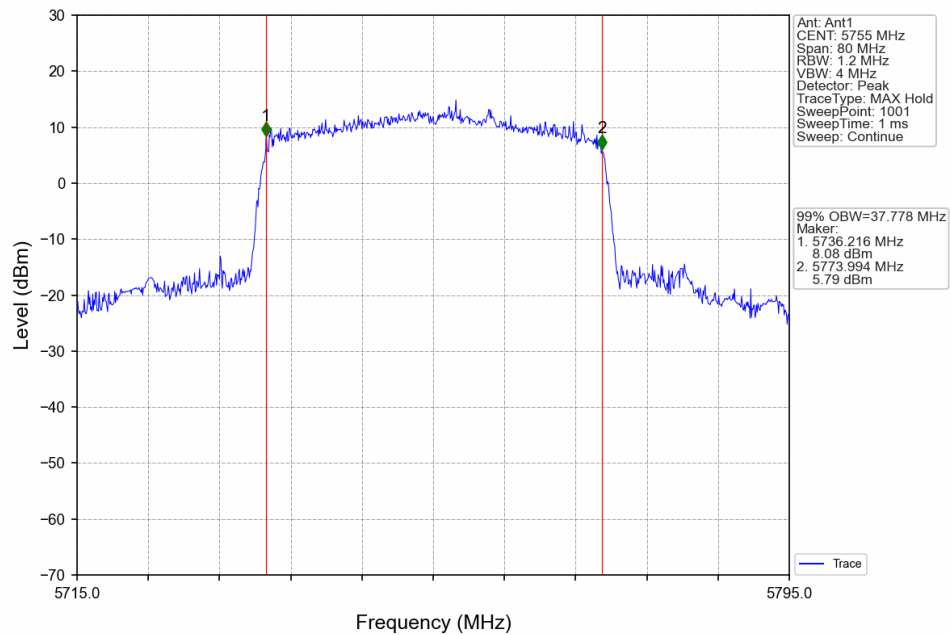
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



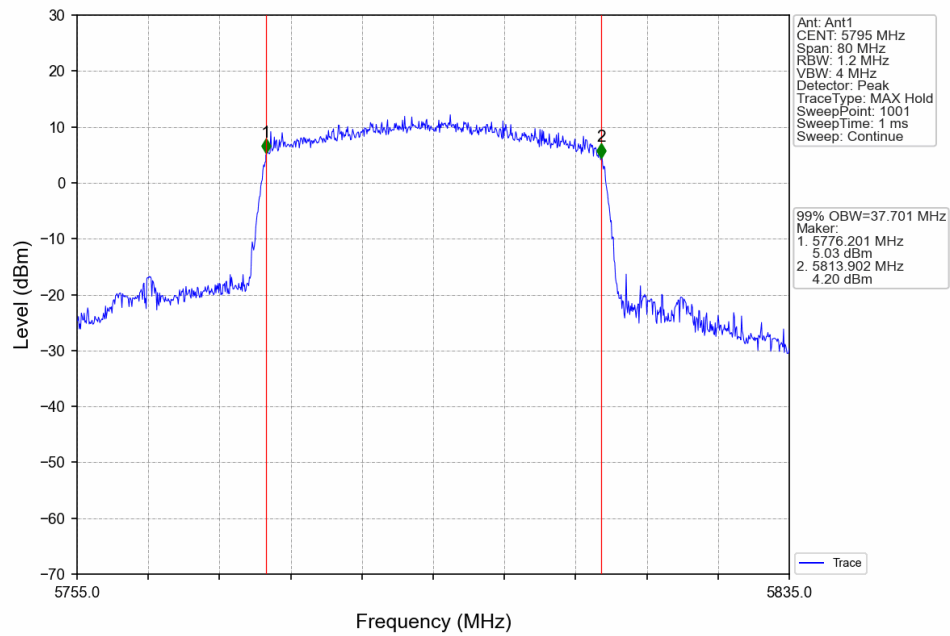
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



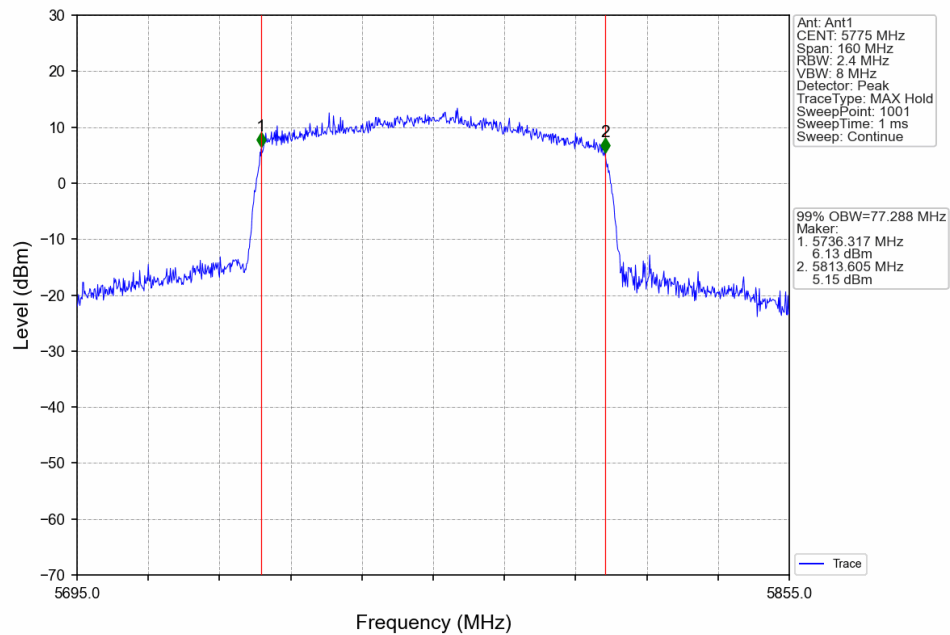
802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5775MHz_RU996_Left_Ant1_NTNV



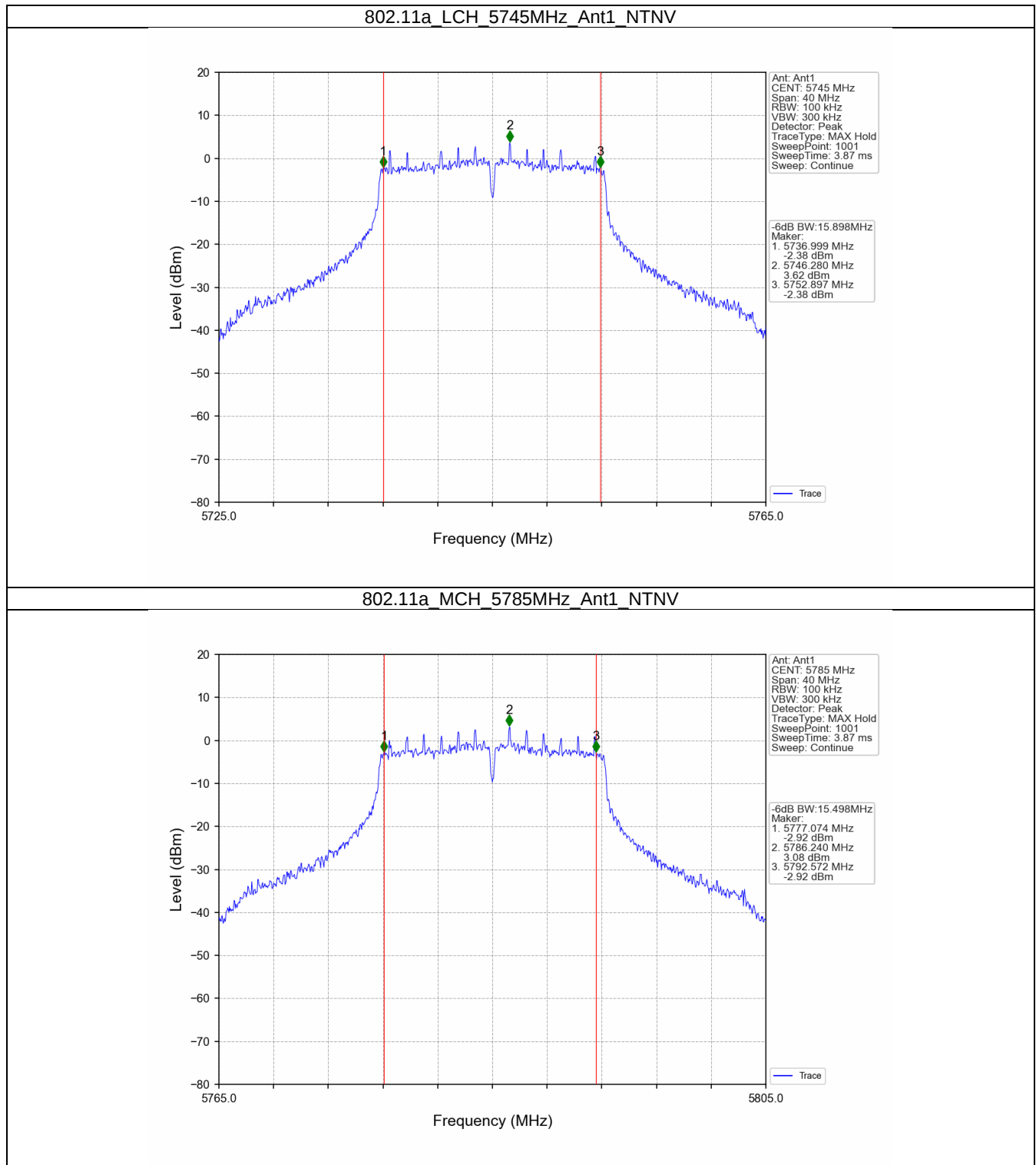
1.2 6dB BW

1.2.1 Test Result

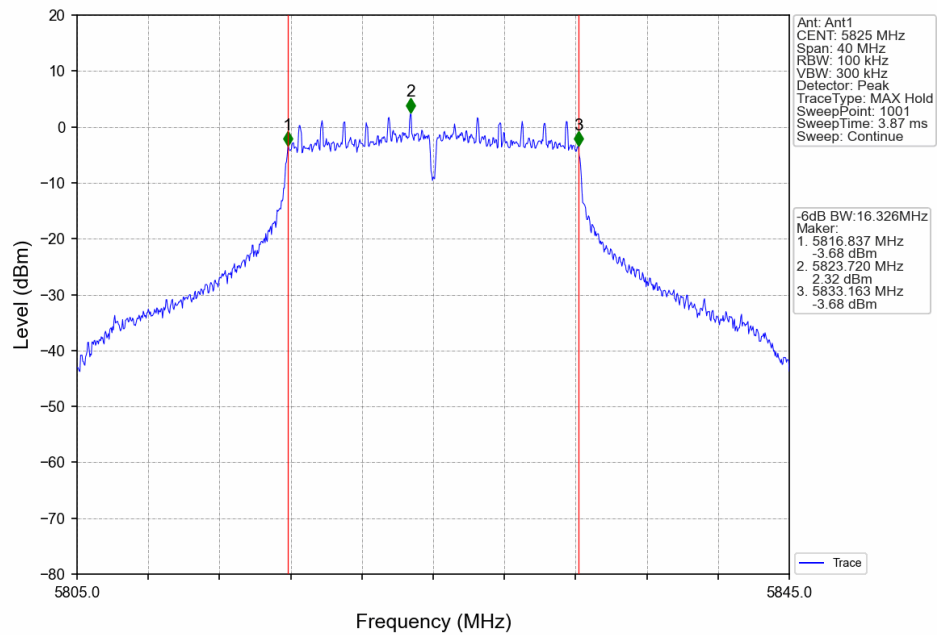
Mode	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
					Result	Limit	
802.11a	5745	/	/	1	15.898	≥ 0.5	Pass
	5785	/	/	1	15.498	≥ 0.5	Pass
	5825	/	/	1	16.326	≥ 0.5	Pass
802.11n (HT20)	5745	/	/	1	15.517	≥ 0.5	Pass
	5785	/	/	1	15.476	≥ 0.5	Pass
	5825	/	/	1	15.117	≥ 0.5	Pass
802.11n (HT40)	5755	/	/	1	35.116	≥ 0.5	Pass
	5795	/	/	1	35.093	≥ 0.5	Pass
802.11ac (VHT20)	5745	/	/	1	17.033	≥ 0.5	Pass
	5785	/	/	1	17.570	≥ 0.5	Pass
	5825	/	/	1	16.417	≥ 0.5	Pass
802.11ac (VHT40)	5755	/	/	1	35.087	≥ 0.5	Pass
	5795	/	/	1	35.118	≥ 0.5	Pass
802.11ac (VHT80)	5775	/	/	1	75.129	≥ 0.5	Pass
802.11ax (HEW20)	5745	RU242	Left	1	18.821	≥ 0.5	Pass
	5785	RU242	Left	1	18.267	≥ 0.5	Pass
	5825	RU242	Left	1	18.553	≥ 0.5	Pass
802.11ax (HEW40)	5755	RU484	Left	1	35.152	≥ 0.5	Pass
	5795	RU484	Left	1	35.989	≥ 0.5	Pass
802.11ax (HEW80)	5775	RU996	Left	1	75.143	≥ 0.5	Pass

Note: For Bandwidth test both antenna has been tested, only worst result antenna 1 reported.

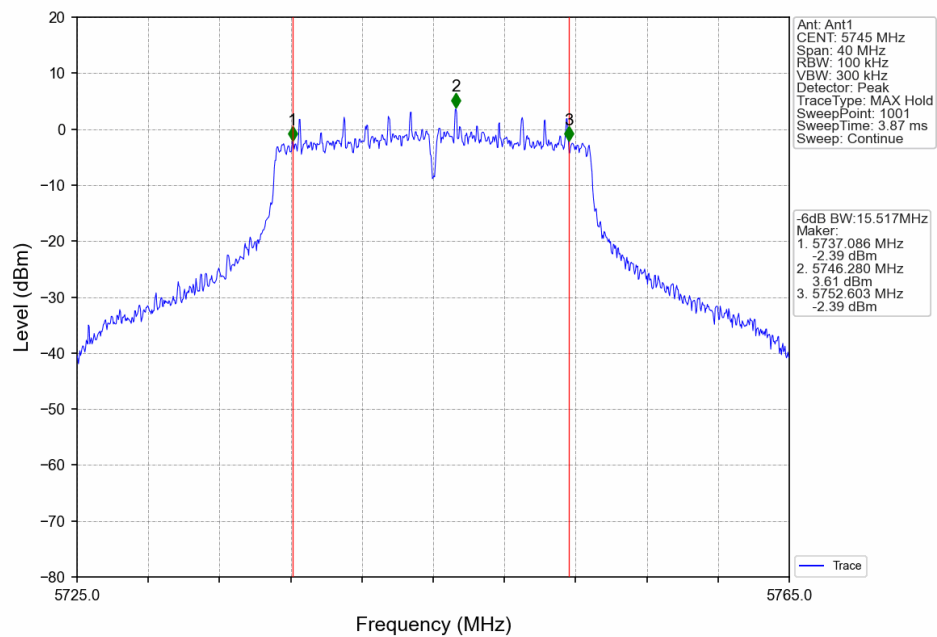
1.2.2 Test Graph



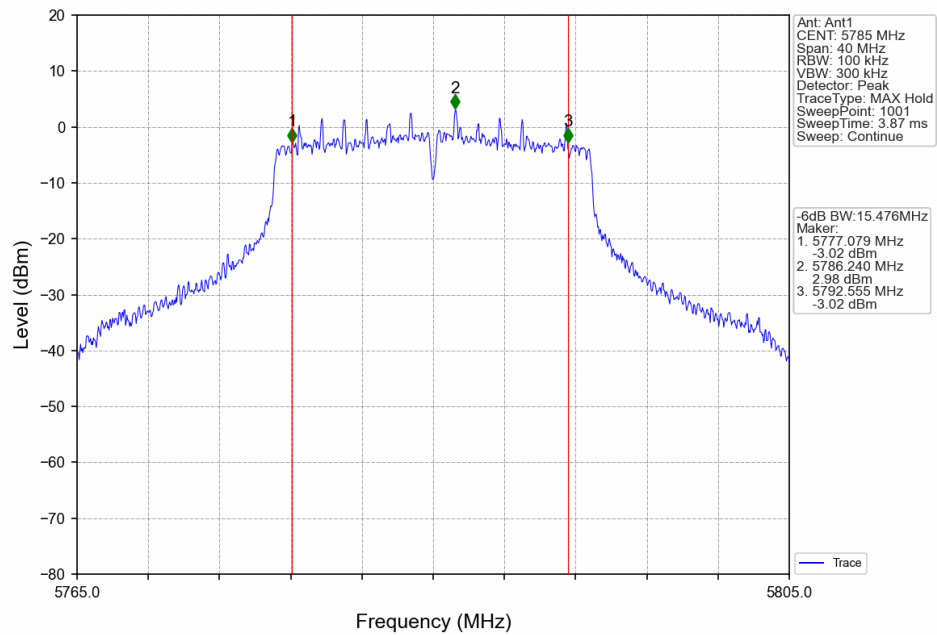
802.11a HCH 5825MHz Ant1 NTN



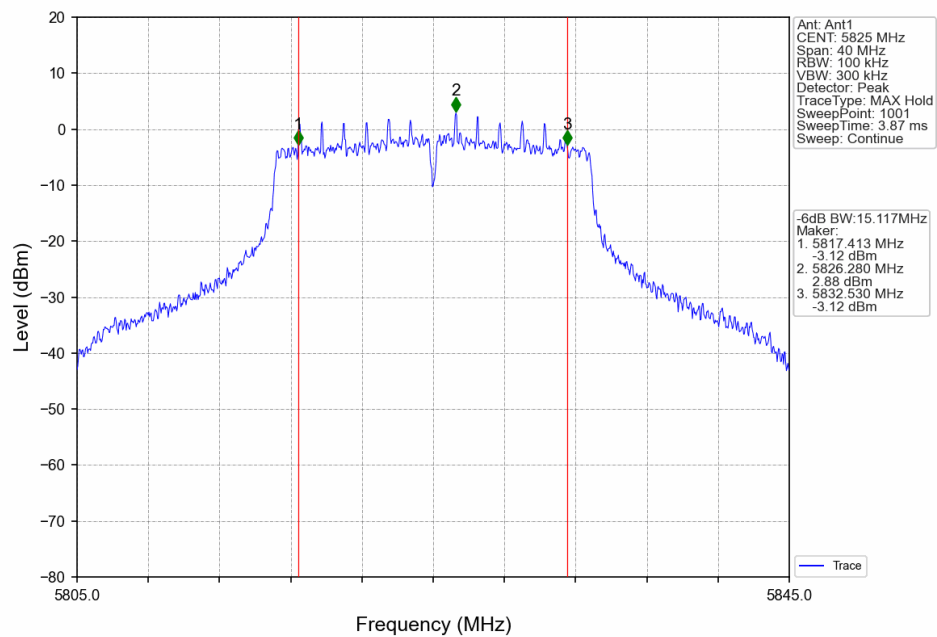
802.11n(HT20)_LCH_5745MHz_Ant1_NTN



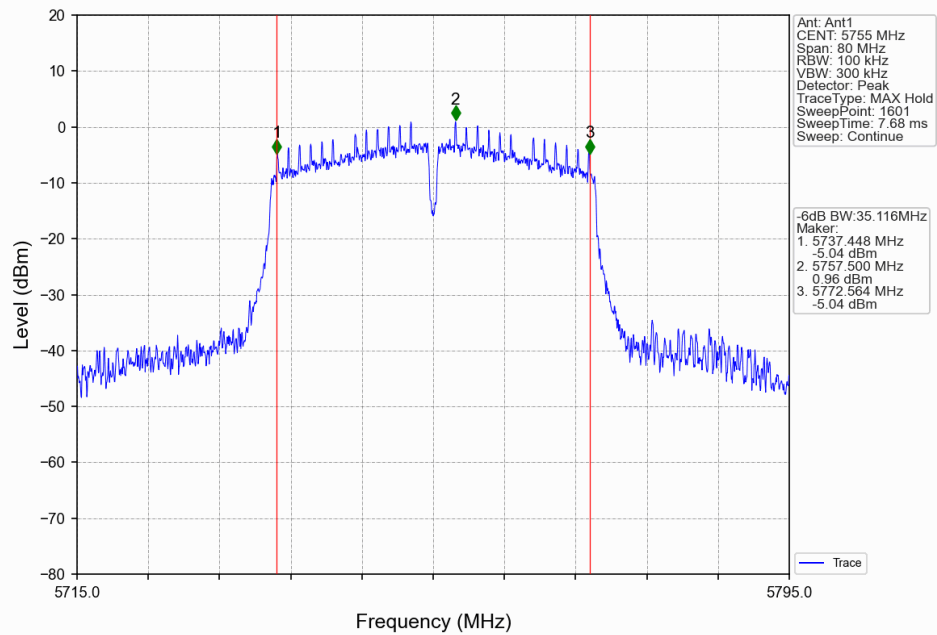
802.11n(HT20) MCH 5785MHz Ant1 NTN



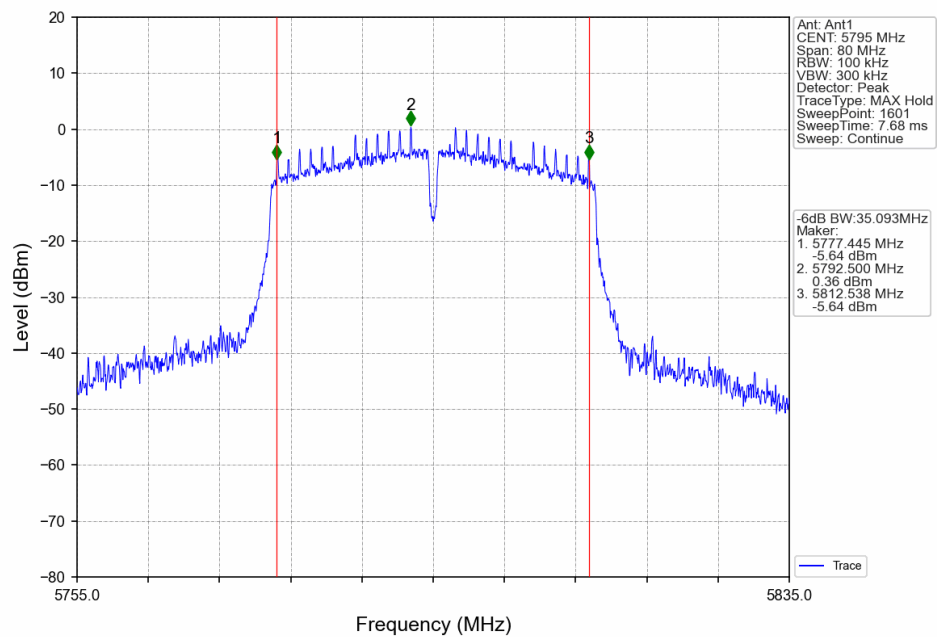
802.11n(HT20)_HCH_5825MHz_Ant1_NTN



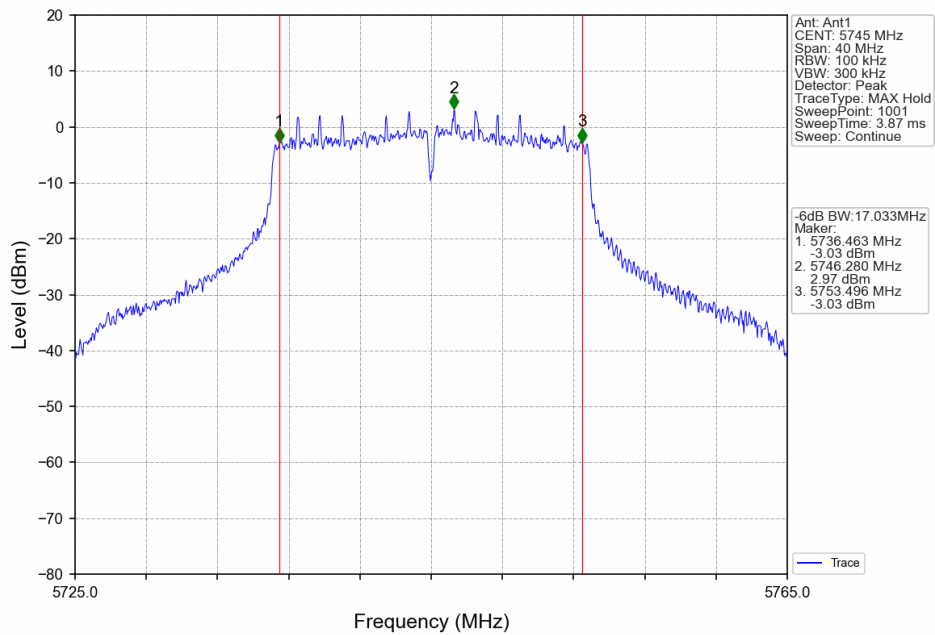
802.11n(HT40) LCH 5755MHz Ant1 NTN



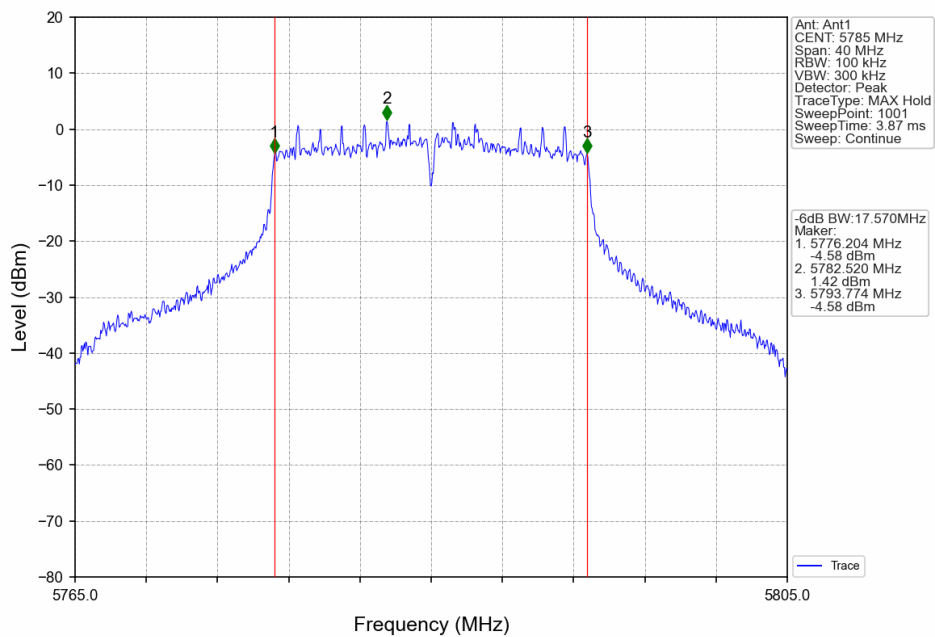
802.11n(HT40)_HCH_5795MHz_Ant1_NTN



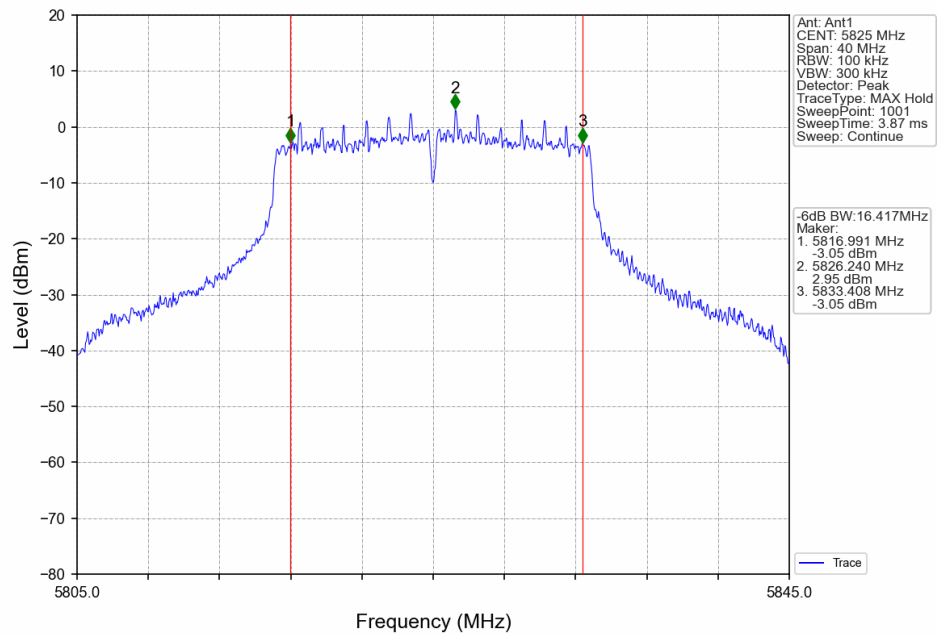
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



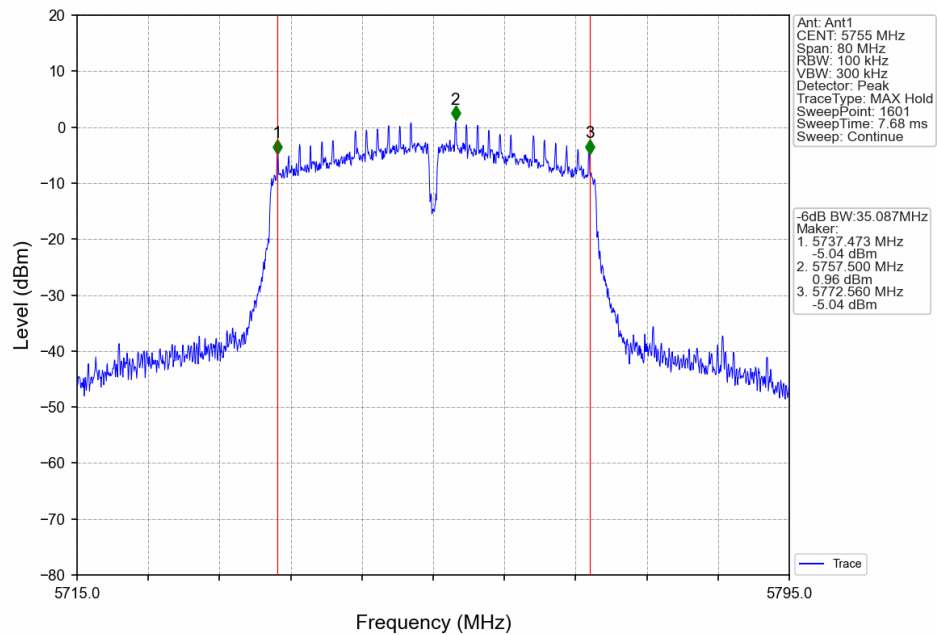
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



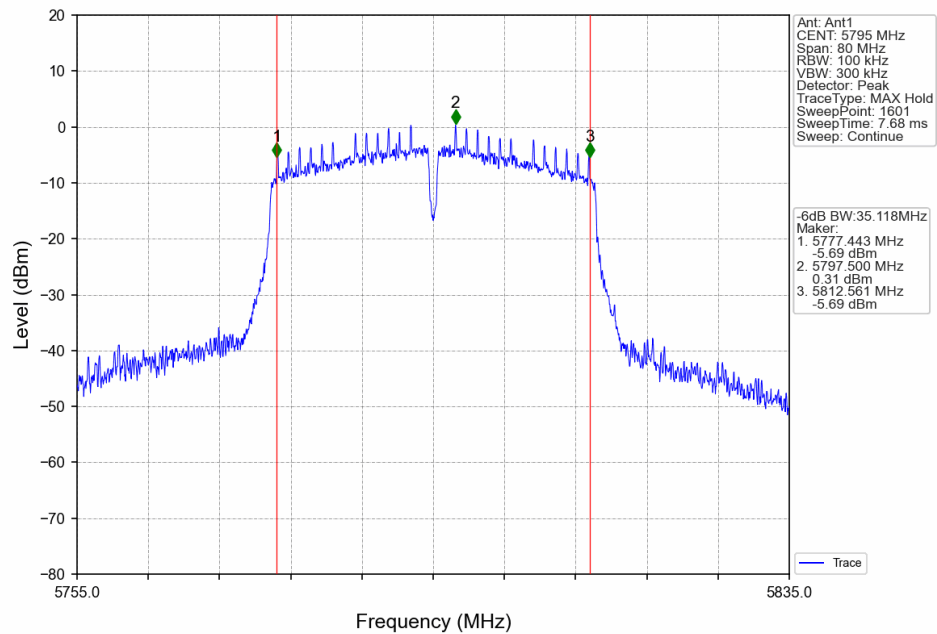
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



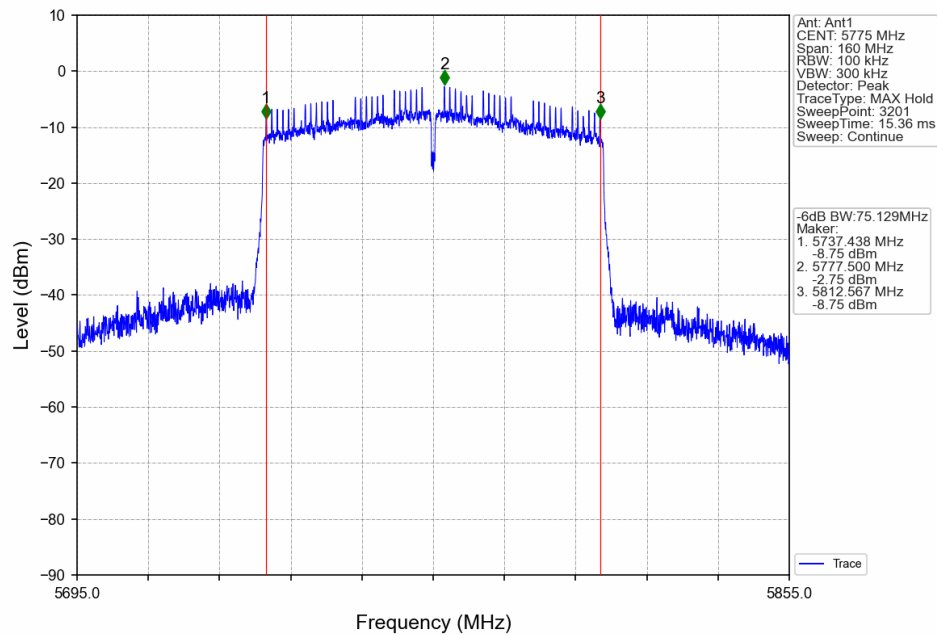
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



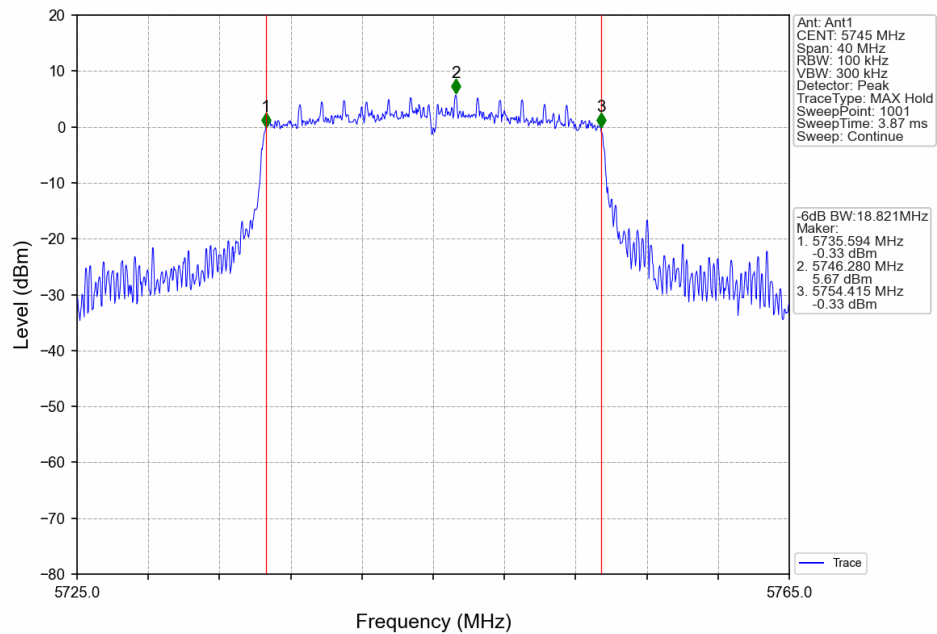
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



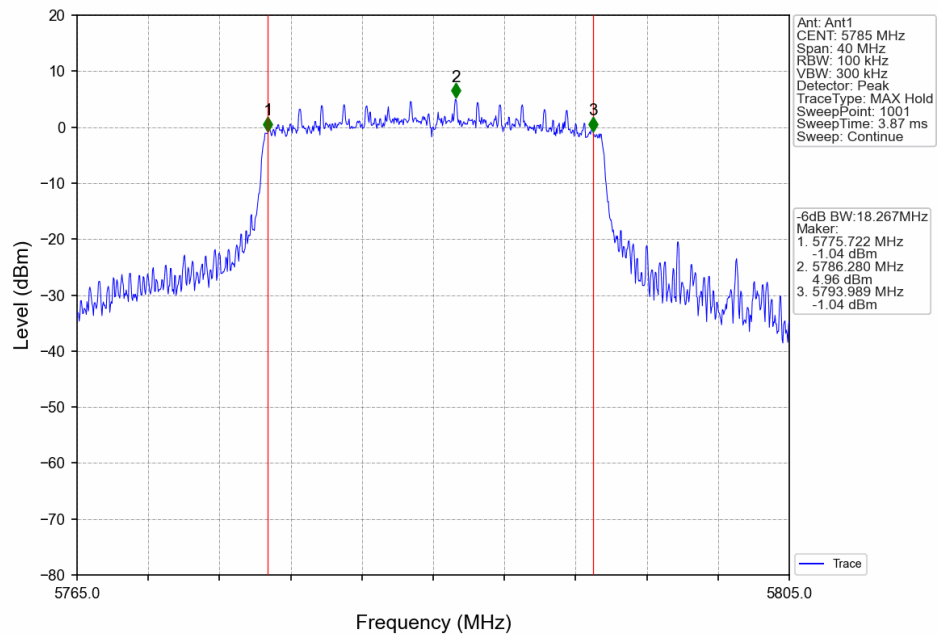
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



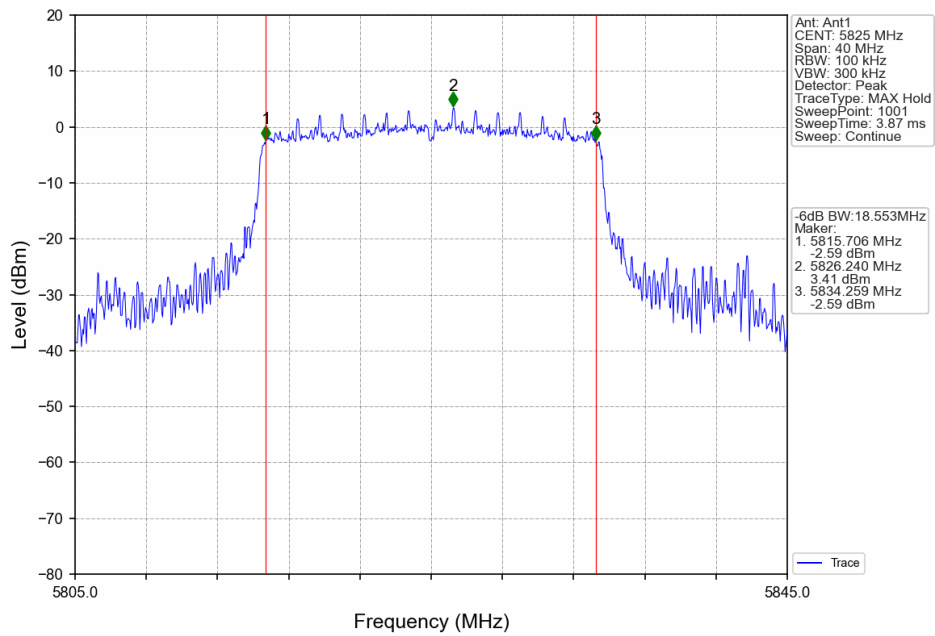
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



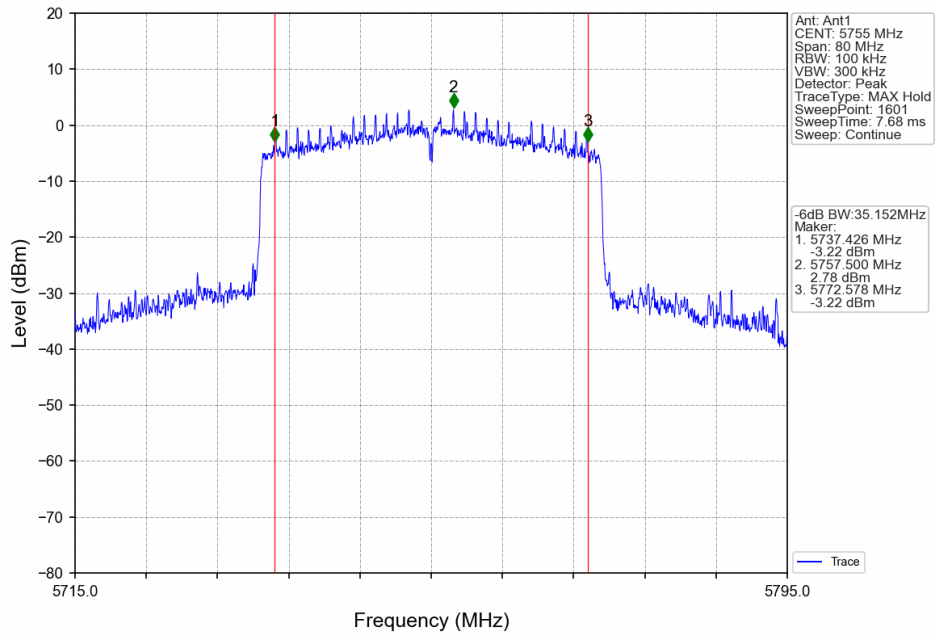
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



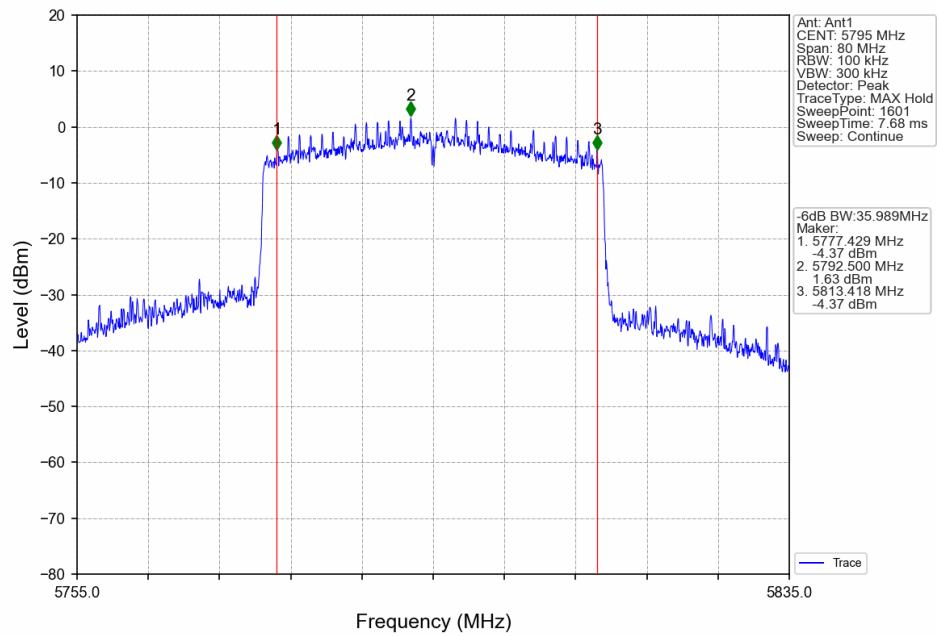
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



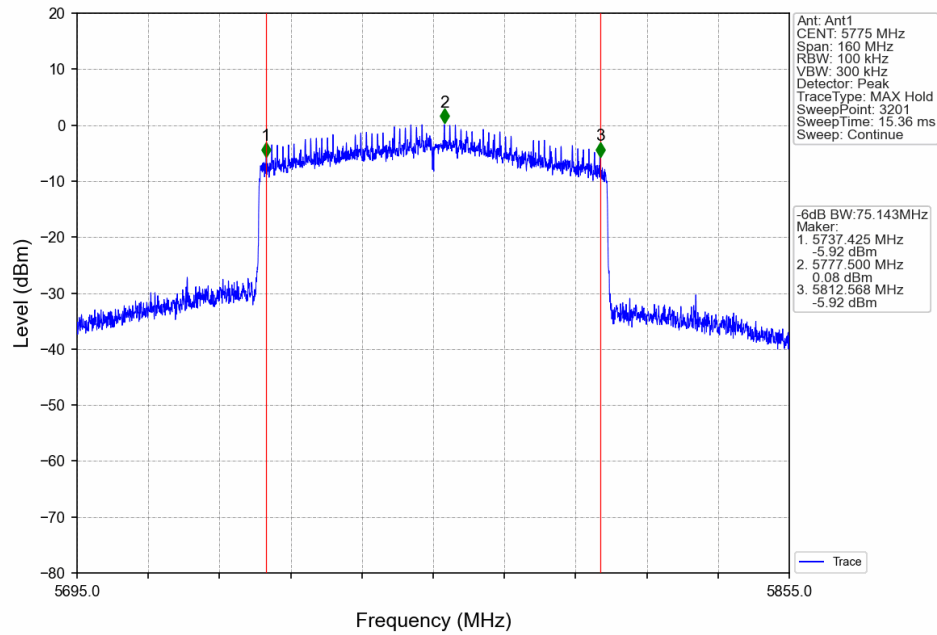
802.11ax(HEW40) LCH 5755MHz RU484 Left Ant1 NTNv



802.11ax(HEW40) HCH 5795MHz RU484 Left Ant1 NTNv



802.11ax(HEW80)_MCH_5775MHz_RU996_Left_Ant1_NTNV



2. Maximum Conducted Output Power

2.1 Power

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5745	/	/	13.73	13.87	/	<=30	Pass
		5785	/	/	13.35	14.07	/	<=30	Pass
		5825	/	/	13.04	13.76	/	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	13.77	14.11	/	<=30	Pass
		5785	/	/	13.10	13.94	/	<=30	Pass
		5825	/	/	12.78	14.12	/	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	13.10	14.23	/	<=30	Pass
		5795	/	/	12.58	14.19	/	<=30	Pass
802.11n (HT20)	MIMO	5745	/	/	13.95	14.33	17.15	<=28.43	Pass
		5785	/	/	12.67	13.58	16.16	<=28.43	Pass
		5825	/	/	13.19	14.71	17.03	<=28.43	Pass
802.11n (HT40)	MIMO	5755	/	/	13.29	13.49	16.40	<=28.43	Pass
		5795	/	/	12.77	14.94	17.00	<=28.43	Pass
802.11ac (VHT20)	SISO	5745	/	/	13.91	14.41	/	<=30	Pass
		5785	/	/	12.80	14.08	/	<=30	Pass
		5825	/	/	13.12	13.95	/	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	13.81	14.90	/	<=30	Pass
		5795	/	/	13.25	13.69	/	<=30	Pass
802.11ac (VHT80)	SISO	5775	/	/	12.16	13.25	/	<=30	Pass
802.11ac (VHT20)	MIMO	5745	/	/	13.73	14.47	17.13	<=28.43	Pass
		5785	/	/	13.04	14.23	16.69	<=28.43	Pass
		5825	/	/	13.28	14.61	17.01	<=28.43	Pass
802.11ac (VHT40)	MIMO	5755	/	/	14.08	14.64	17.38	<=28.43	Pass
		5795	/	/	12.46	14.32	16.50	<=28.43	Pass
802.11ac (VHT80)	MIMO	5775	/	/	12.72	13.75	16.28	<=28.43	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	16.31	15.16	/	<=30	Pass
		5785	RU242	Left	15.21	14.74	/	<=30	Pass
		5825	RU242	Left	13.98	14.62	/	<=30	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	16.28	15.17	/	<=30	Pass
		5795	RU484	Left	14.35	14.60	/	<=30	Pass
802.11ax (HEW80)	SISO	5775	RU996	Left	15.71	15.22	/	<=30	Pass
802.11ax (HEW20)	MIMO	5745	RU242	Left	15.49	15.00	18.26	<=28.43	Pass
		5785	RU242	Left	15.00	14.76	17.89	<=28.43	Pass
		5825	RU242	Left	13.83	14.58	17.23	<=28.43	Pass
802.11ax (HEW40)	MIMO	5755	RU484	Left	15.36	15.13	18.26	<=28.43	Pass
		5795	RU484	Left	14.92	14.29	17.63	<=28.43	Pass
802.11ax (HEW80)	MIMO	5775	RU996	Left	15.42	15.06	18.25	<=28.43	Pass
Note1: Antenna Gain: Ant1: 2.88dBi; Ant2: 4.56dBi; Note2: Directional Gain: 7.57dBi									

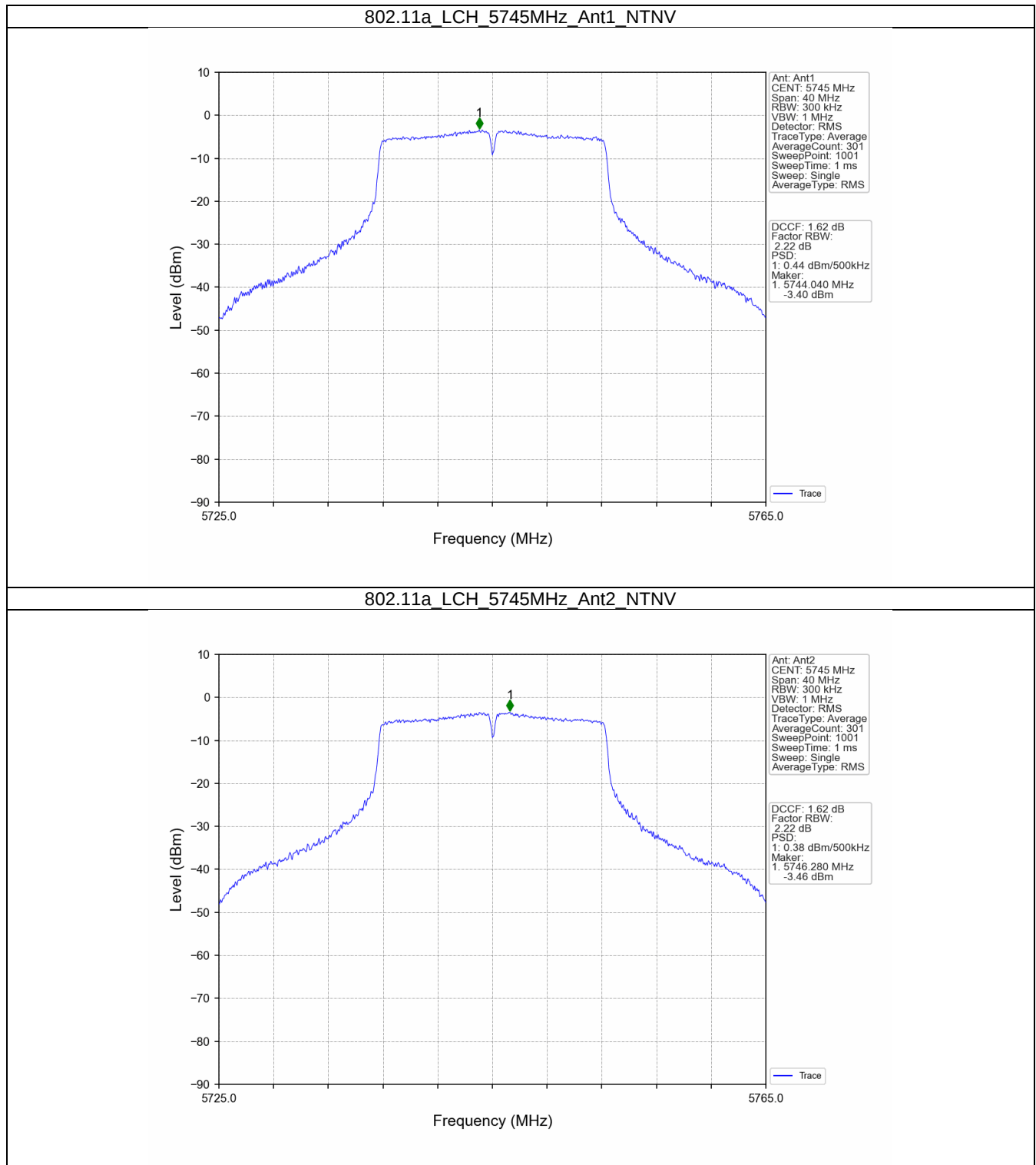
3. Maximum Power Spectral Density

3.1 PSD-Band3

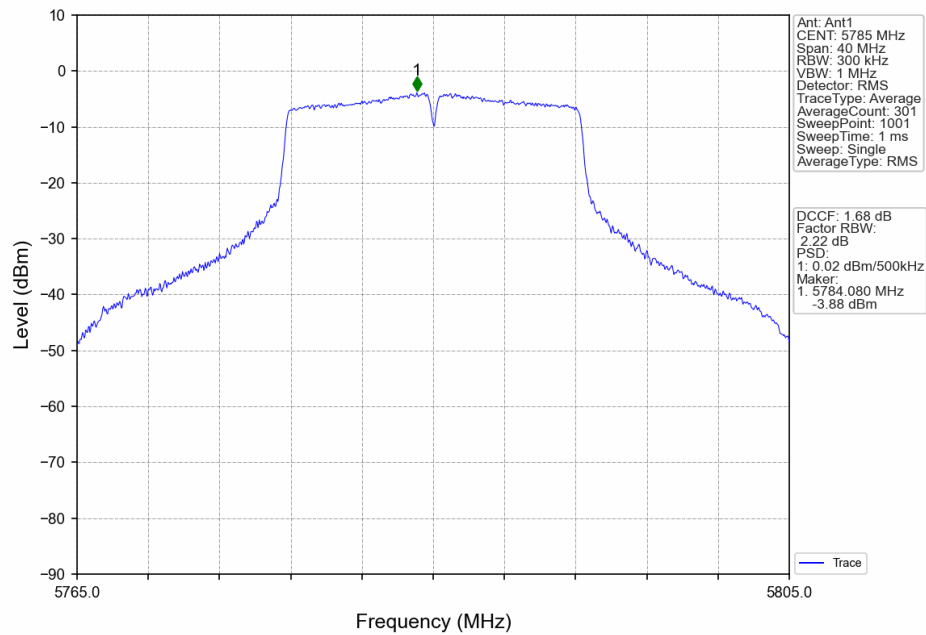
3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5745	/	/	0.44	0.38	/	<=30	Pass
		5785	/	/	0.02	0.83	/	<=30	Pass
		5825	/	/	-0.88	0.81	/	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	0.20	0.35	/	<=30	Pass
		5785	/	/	-0.56	-0.11	/	<=30	Pass
		5825	/	/	-0.83	0.52	/	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	-2.44	-1.56	/	<=30	Pass
		5795	/	/	-3.16	-2.19	/	<=30	Pass
802.11n (HT20)	MIMO	5745	/	/	-0.16	0.56	3.12	<=28.43	Pass
		5785	/	/	-1.28	-0.10	2.32	<=28.43	Pass
		5825	/	/	-0.45	0.85	3.22	<=28.43	Pass
802.11n (HT40)	MIMO	5755	/	/	-2.29	-1.97	0.78	<=28.43	Pass
		5795	/	/	-3.02	-1.18	0.88	<=28.43	Pass
802.11ac (VHT20)	SISO	5745	/	/	-0.03	0.54	/	<=30	Pass
		5785	/	/	-1.24	0.29	/	<=30	Pass
		5825	/	/	-0.63	0.78	/	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	-2.49	-1.34	/	<=30	Pass
		5795	/	/	-3.11	-1.40	/	<=30	Pass
802.11ac (VHT80)	SISO	5775	/	/	-6.28	-4.85	/	<=30	Pass
802.11ac (VHT20)	MIMO	5745	/	/	0.14	1.07	3.56	<=28.43	Pass
		5785	/	/	-0.56	0.98	3.21	<=28.43	Pass
		5825	/	/	-0.61	1.08	3.33	<=28.43	Pass
802.11ac (VHT40)	MIMO	5755	/	/	-2.81	-1.27	0.94	<=28.43	Pass
		5795	/	/	-3.51	-1.67	0.44	<=28.43	Pass
802.11ac (VHT80)	MIMO	5775	/	/	-6.48	-5.25	-2.86	<=28.43	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	2.28	6.79	/	<=30	Pass
		5785	RU242	Left	0.61	6.49	/	<=30	Pass
		5825	RU242	Left	0.14	6.15	/	<=30	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	-0.19	5.72	/	<=30	Pass
		5795	RU484	Left	-2.04	5.93	/	<=30	Pass
802.11ax (HEW80)	SISO	5775	RU996	Left	-3.06	5.71	/	<=30	Pass
802.11ax (HEW20)	MIMO	5745	RU242	Left	1.38	6.54	7.33	<=28.43	Pass
		5785	RU242	Left	1.19	6.49	7.23	<=28.43	Pass
		5825	RU242	Left	-0.25	6.16	6.74	<=28.43	Pass
802.11ax (HEW40)	MIMO	5755	RU484	Left	-0.15	6.19	6.73	<=28.43	Pass
		5795	RU484	Left	-1.32	5.68	6.21	<=28.43	Pass
802.11ax (HEW80)	MIMO	5775	RU996	Left	-2.20	5.64	6.11	<=28.43	Pass
Note1: Antenna Gain: Ant1: 2.88dBi; Ant2: 4.56dBi; Note2: Directional Gain: 7.57dBi									

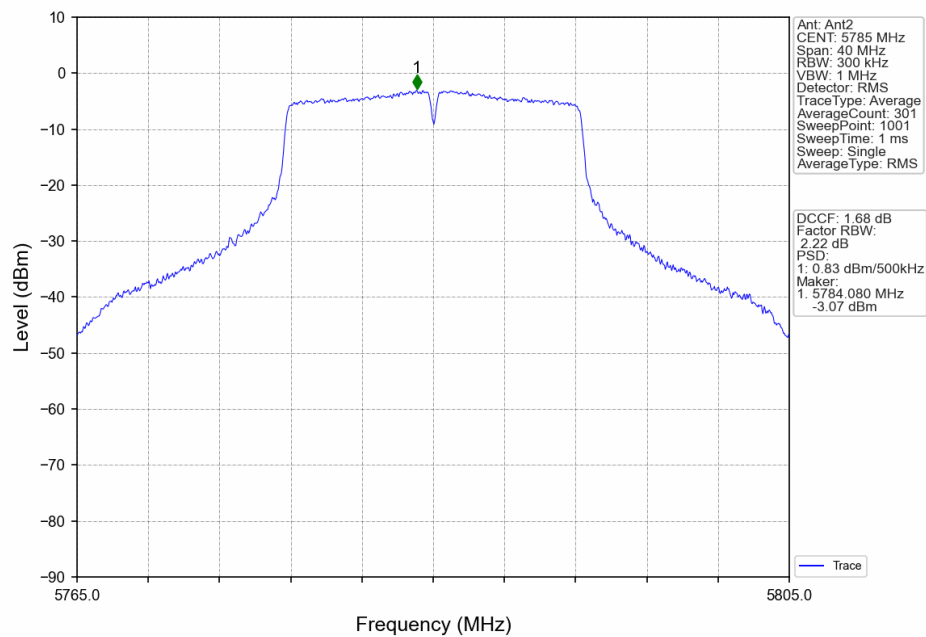
3.1.2 Test Graph



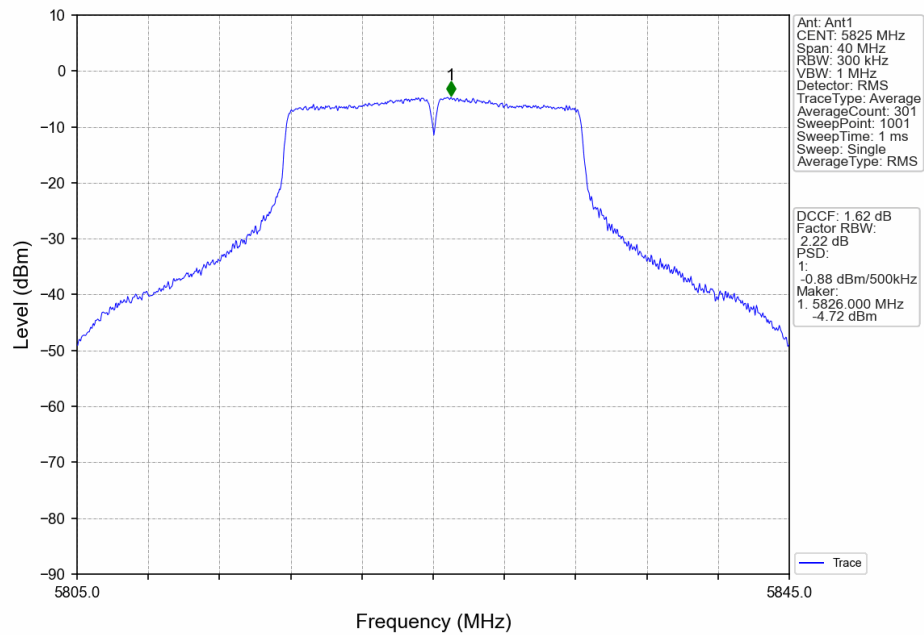
802.11a_MCH_5785MHz_Ant1_NTNV



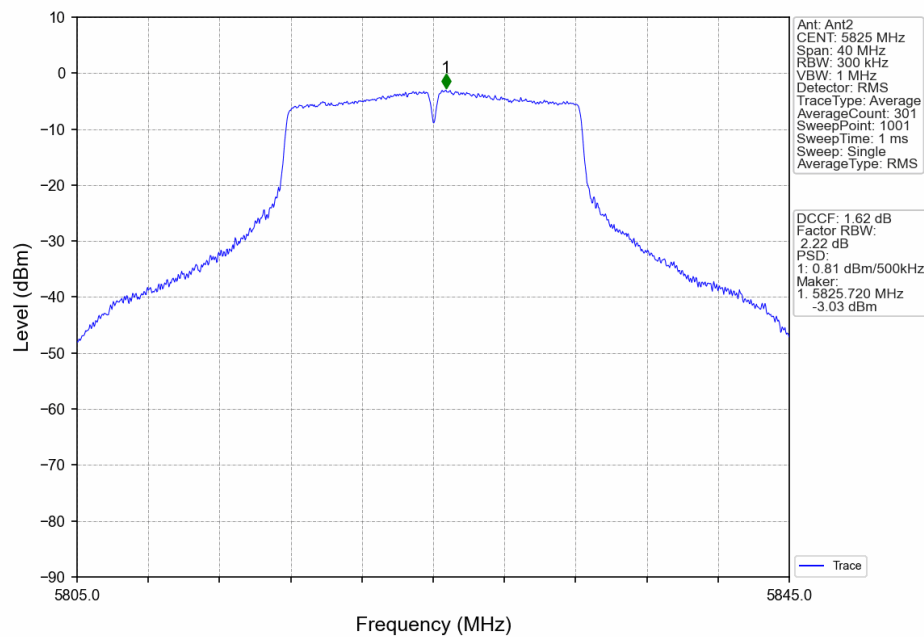
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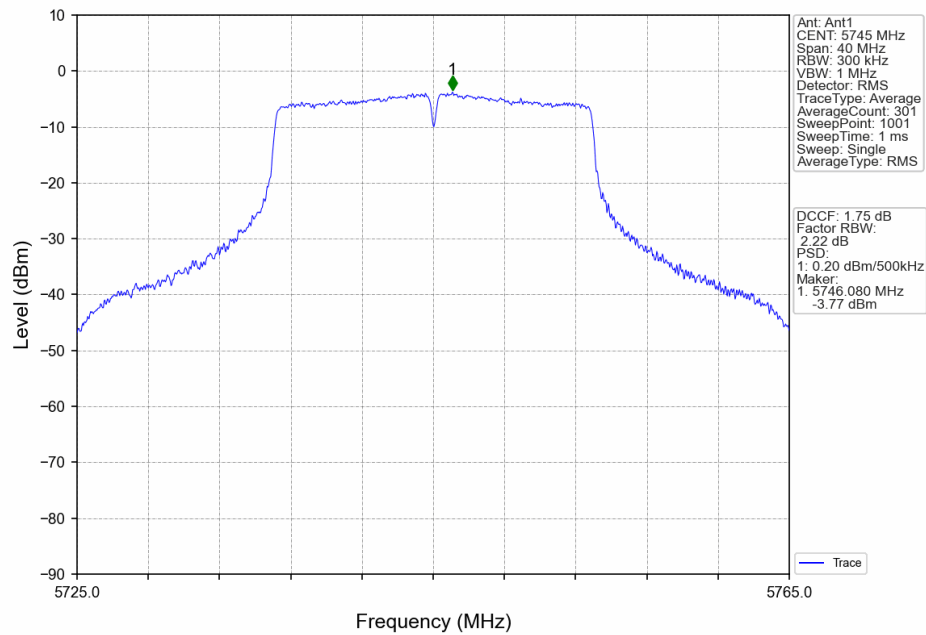
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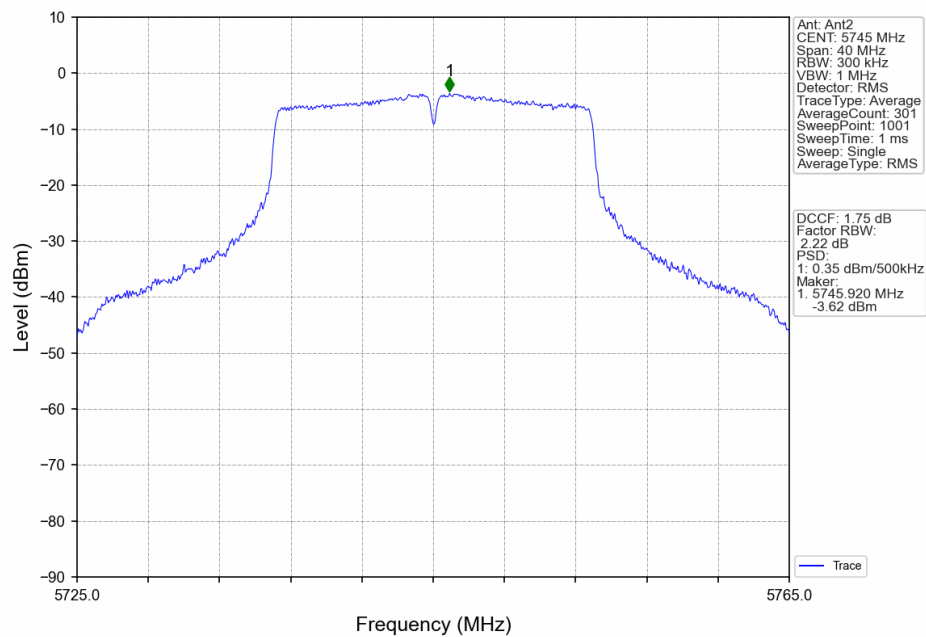
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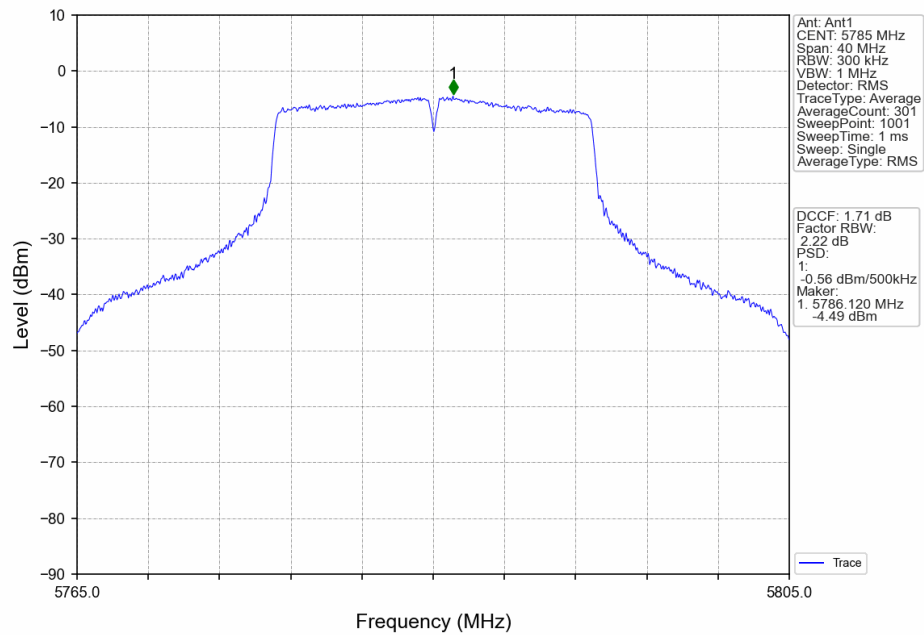
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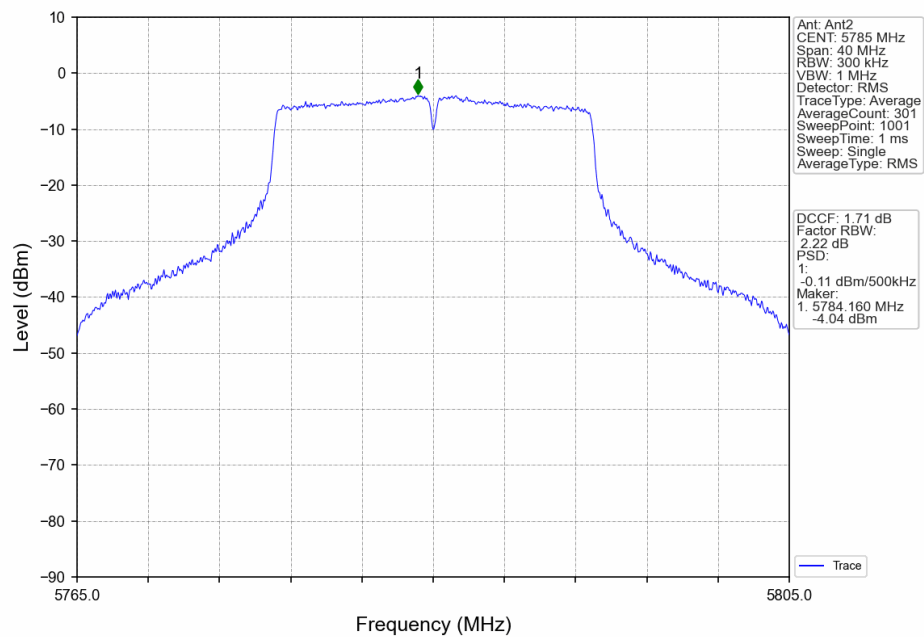
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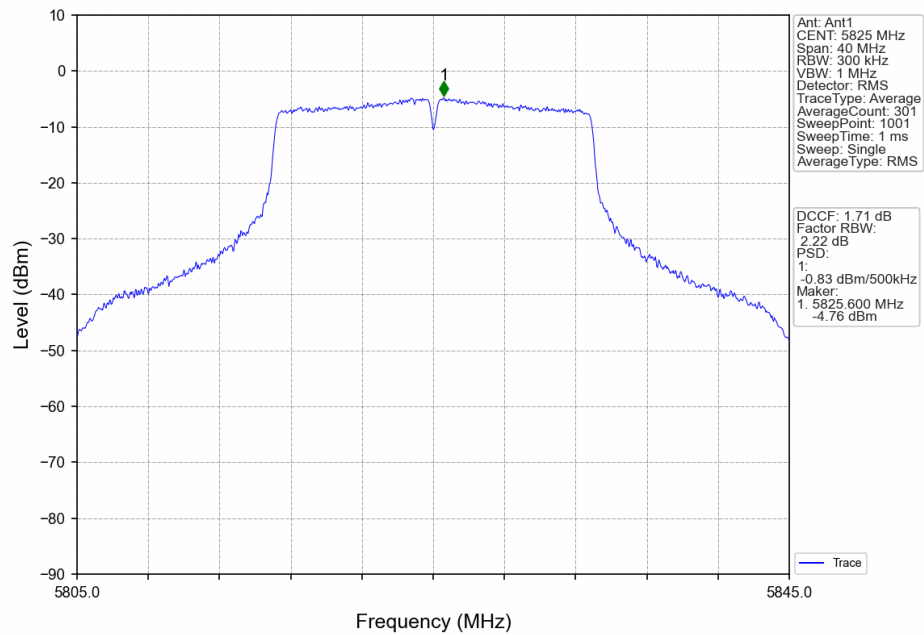
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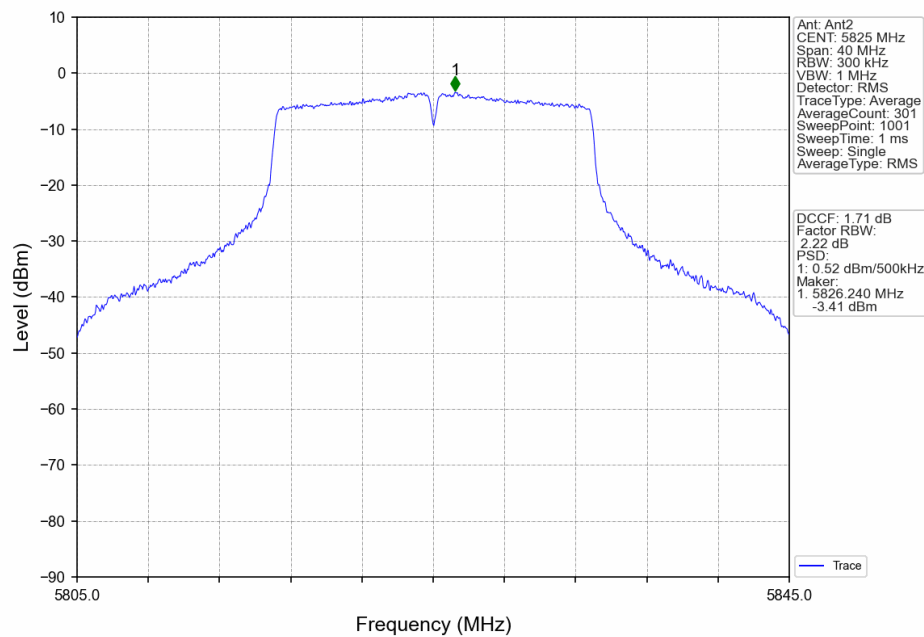
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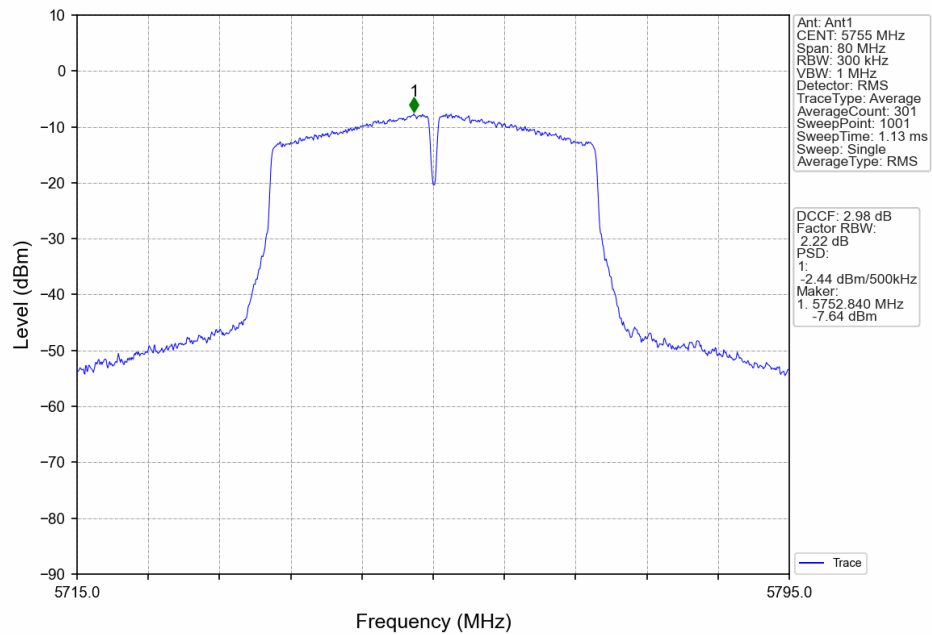
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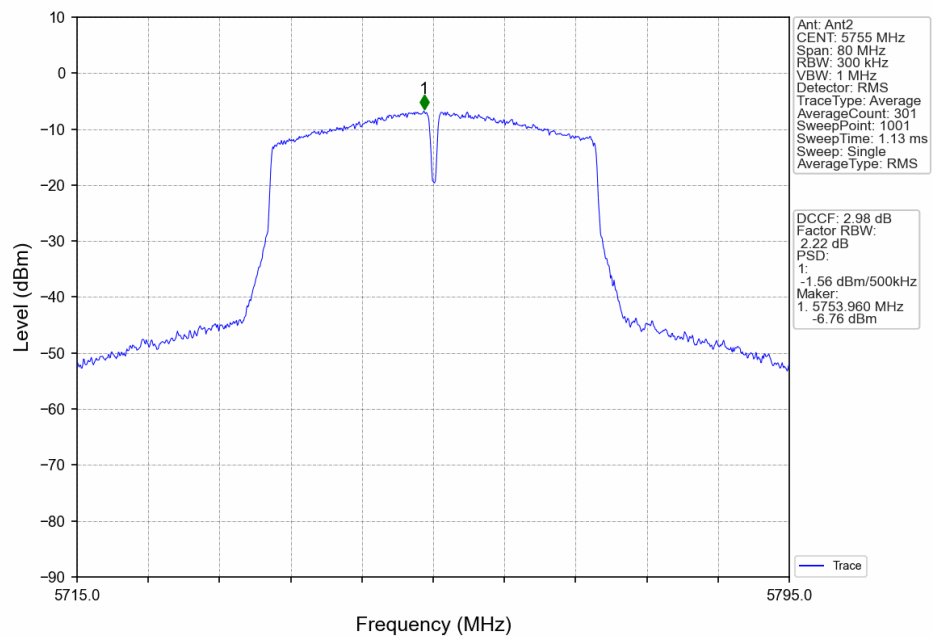
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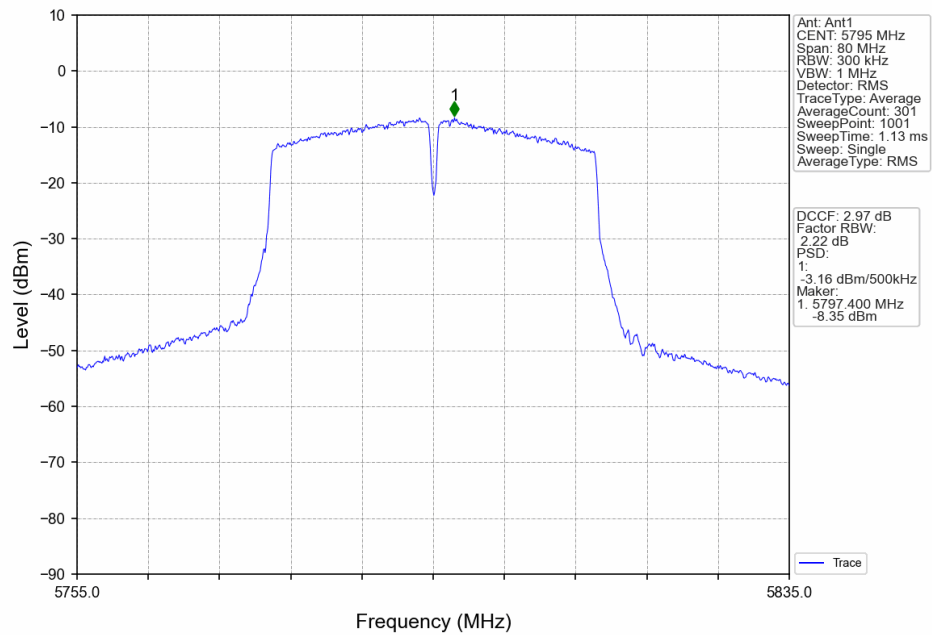
802.11n(HT40) LCH 5755MHz Ant1 NTN



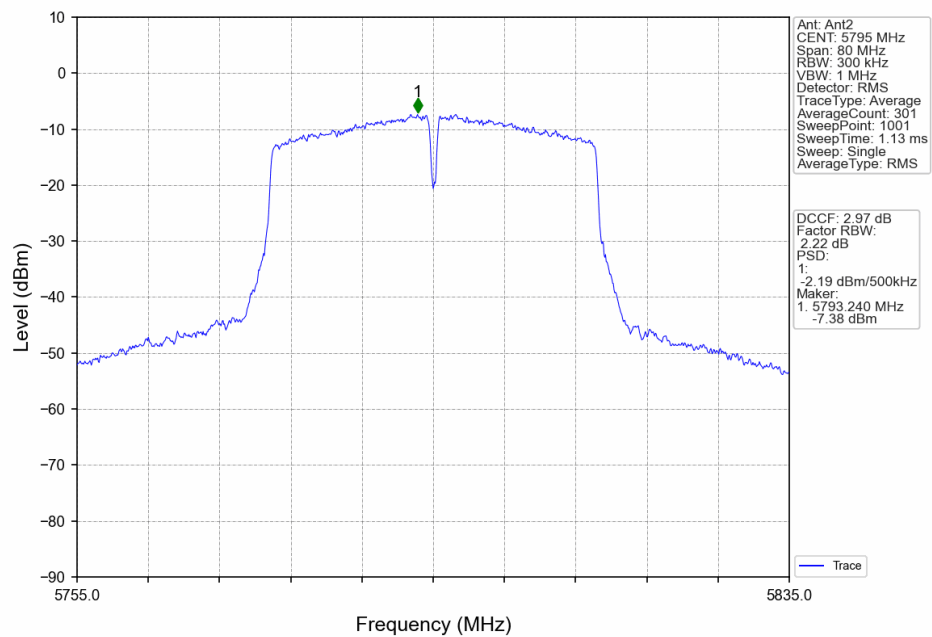
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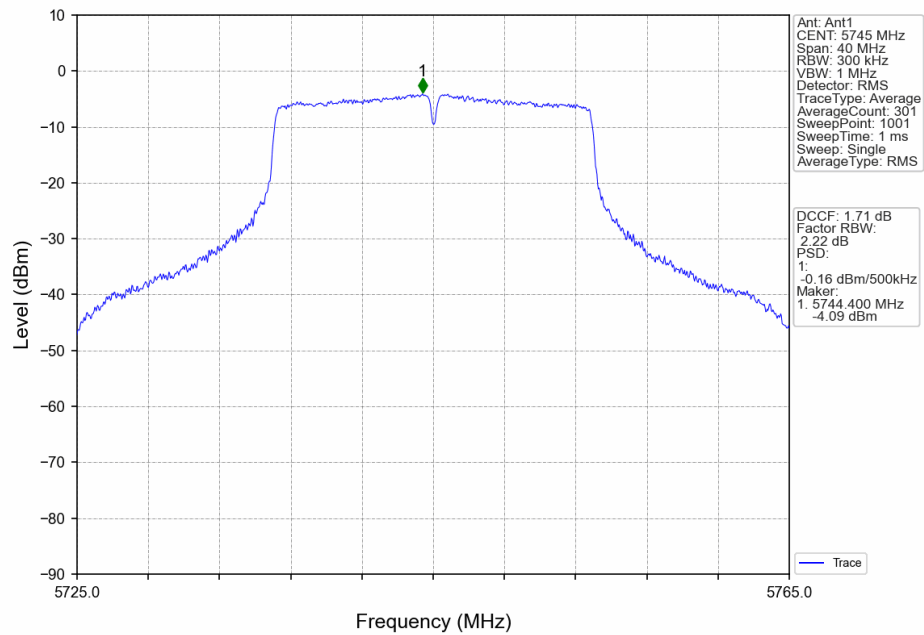
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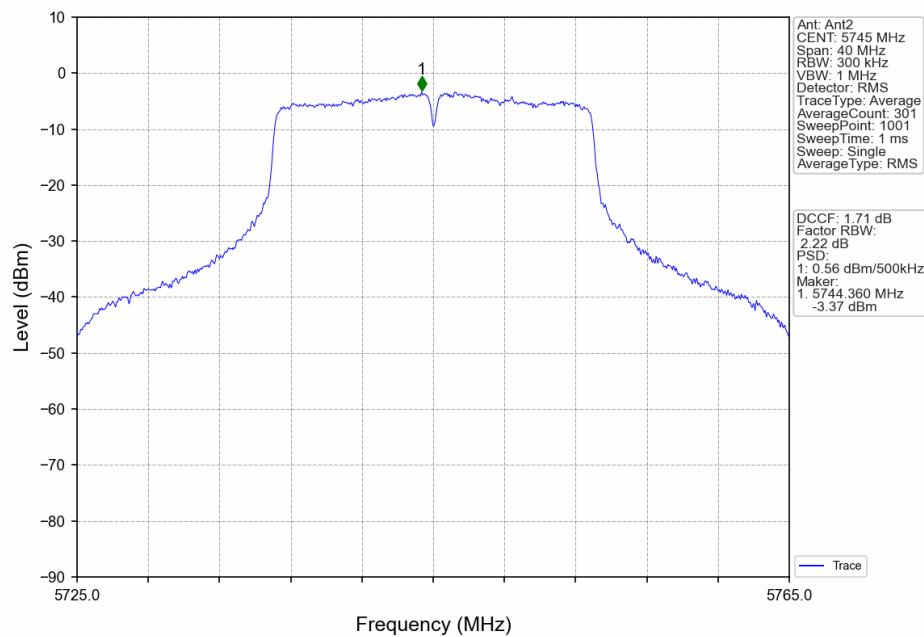
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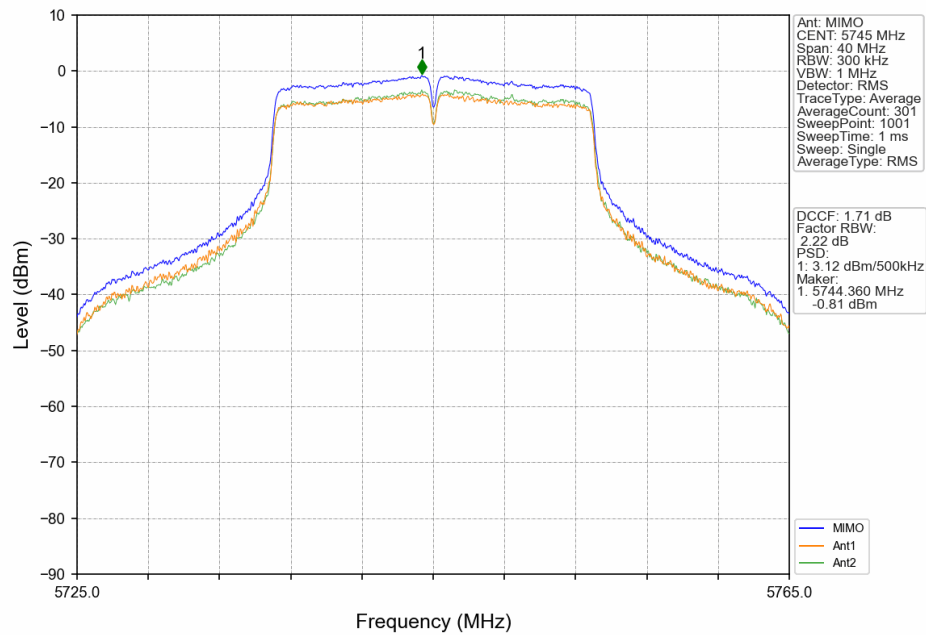
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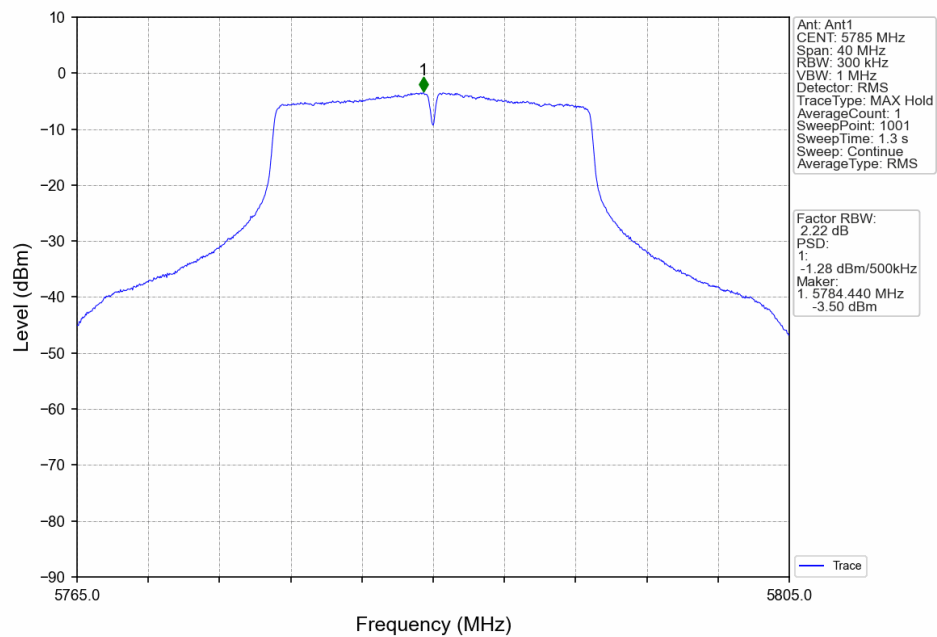
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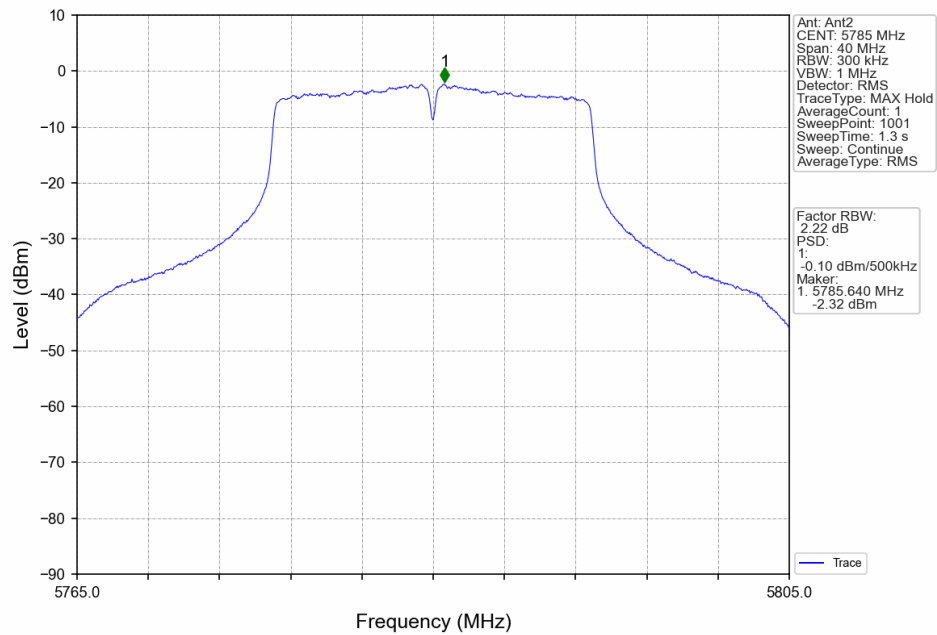
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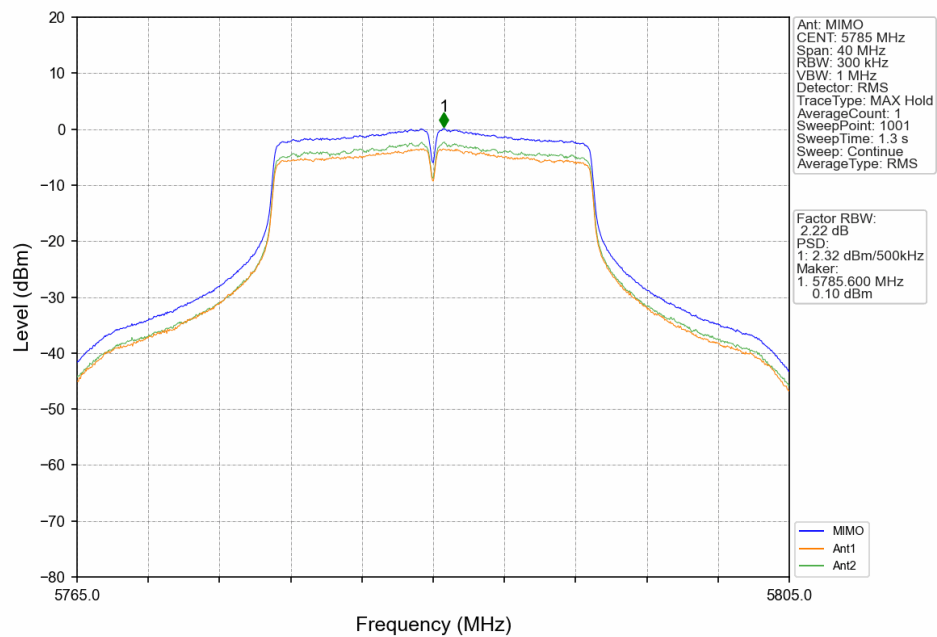
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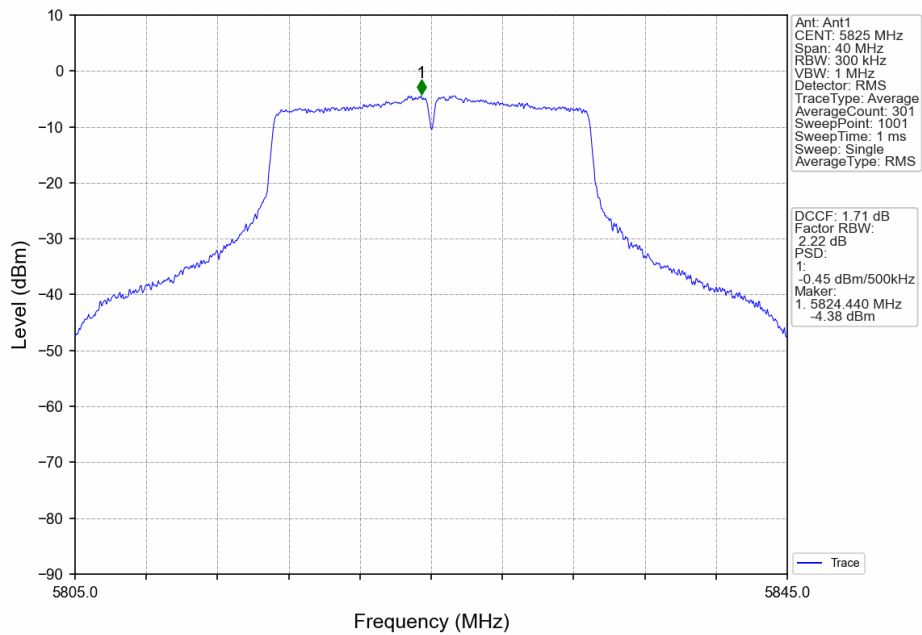
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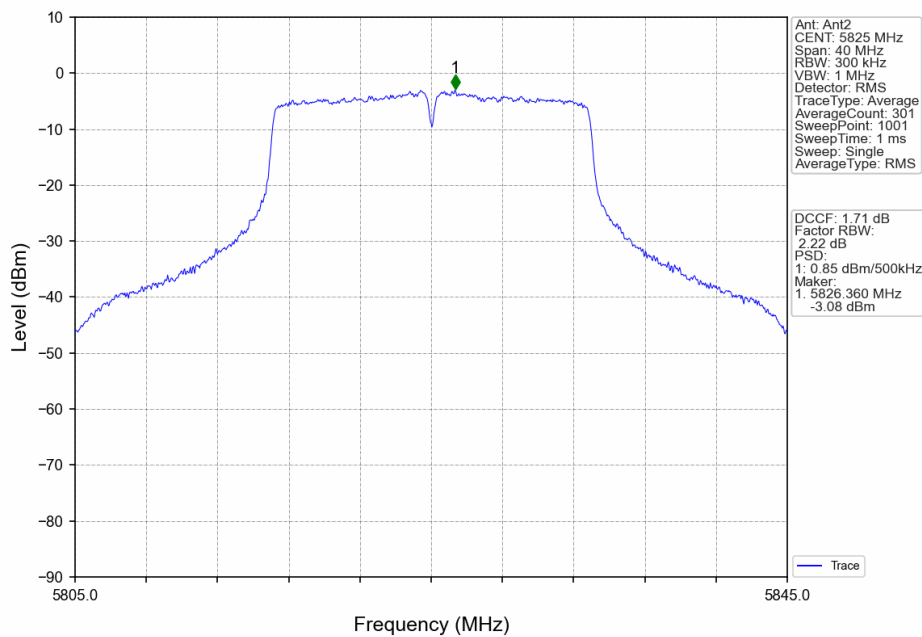
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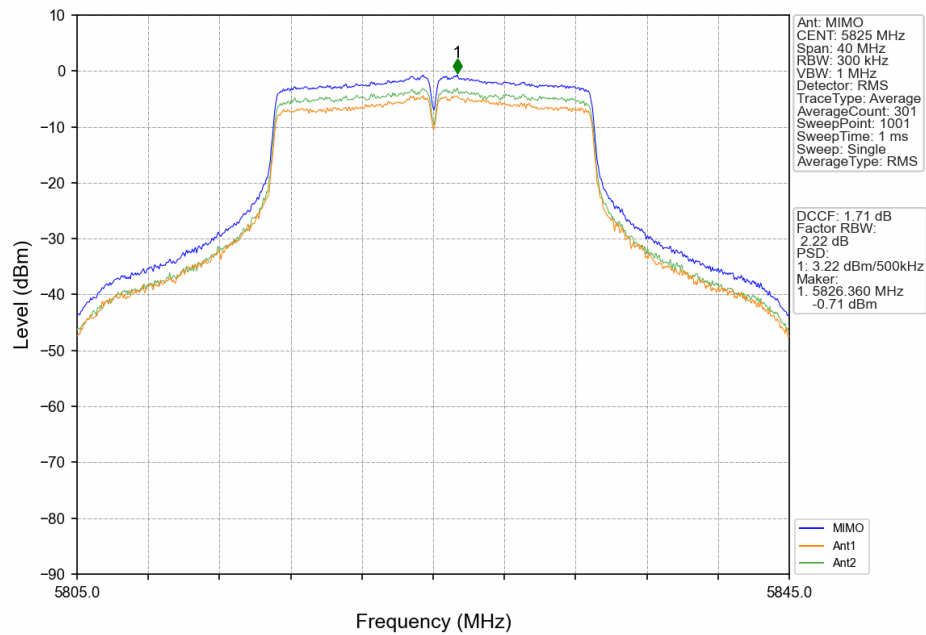
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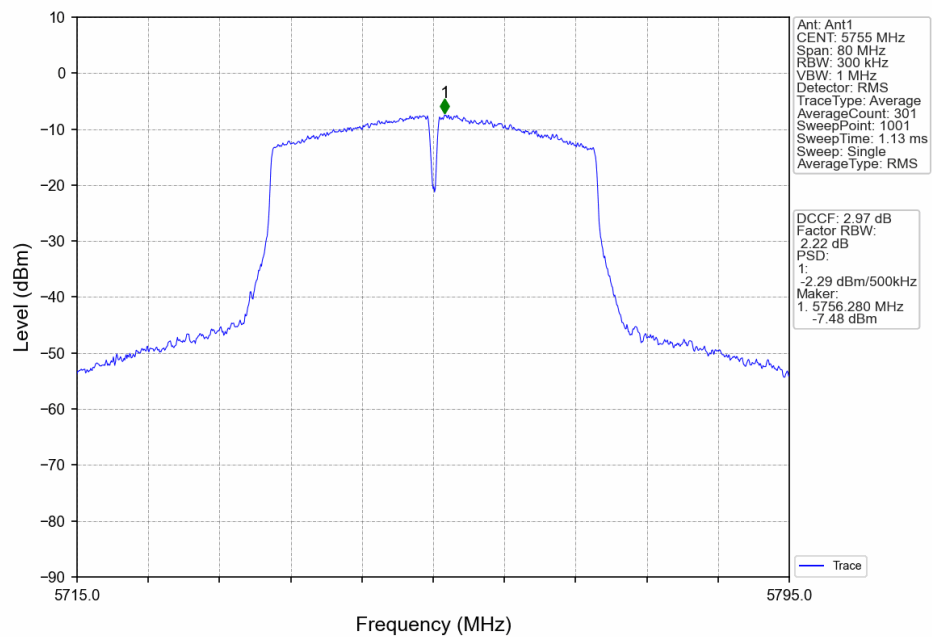
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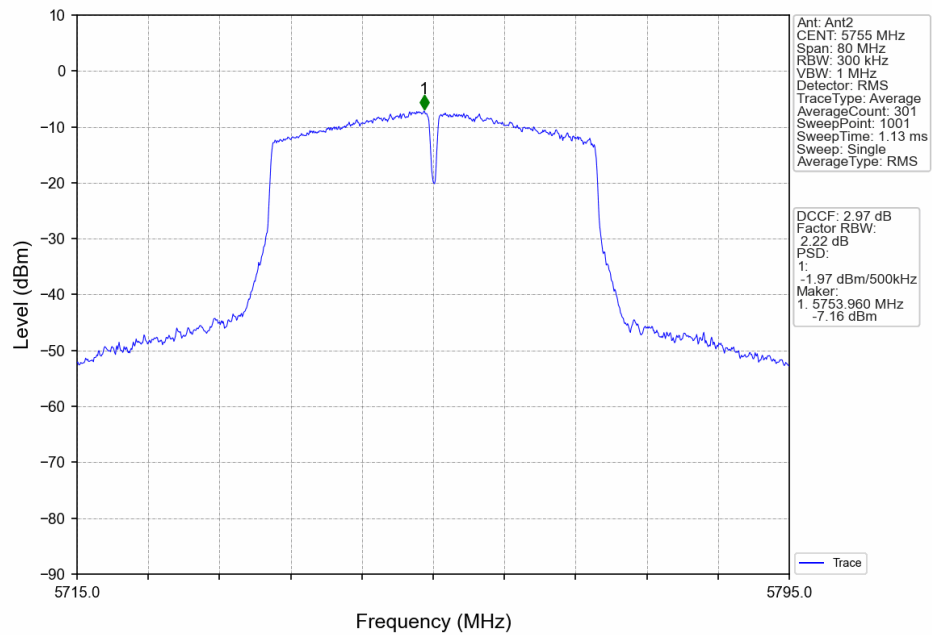
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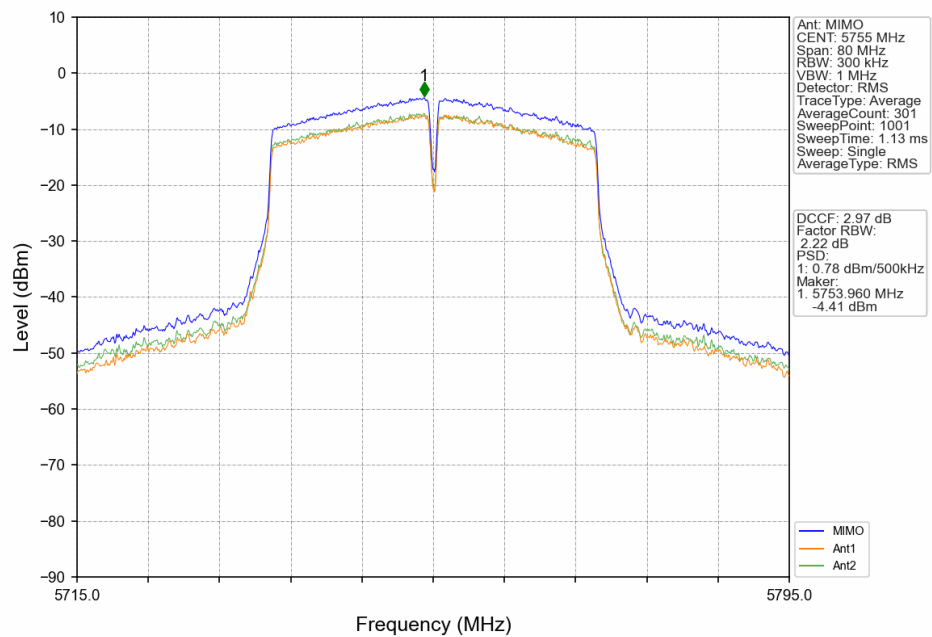
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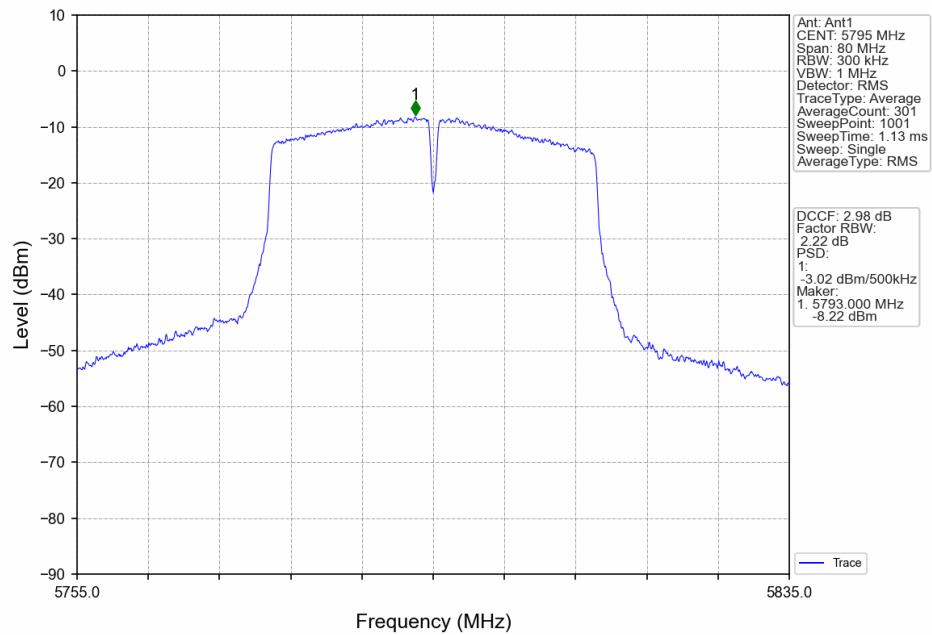
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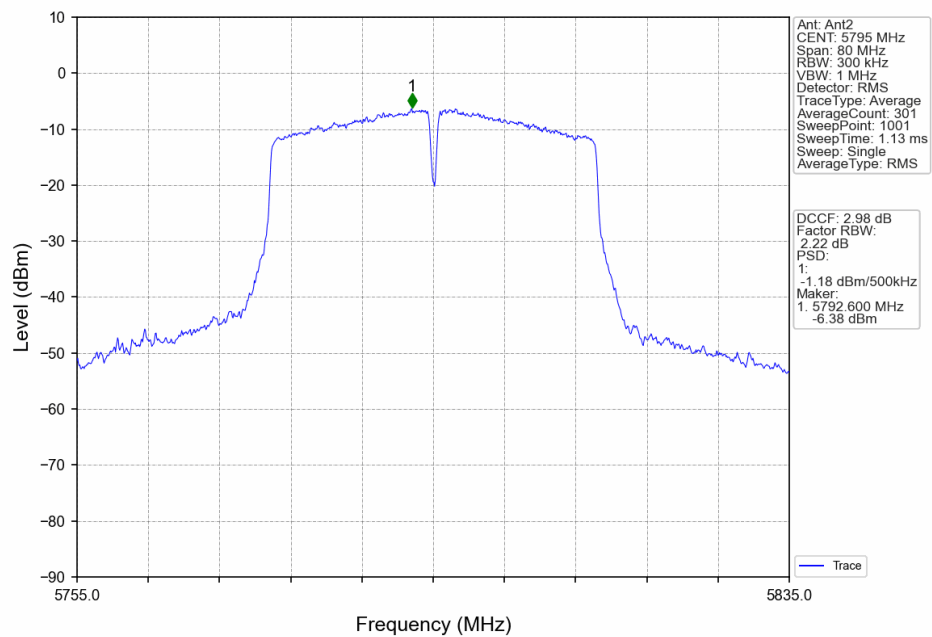
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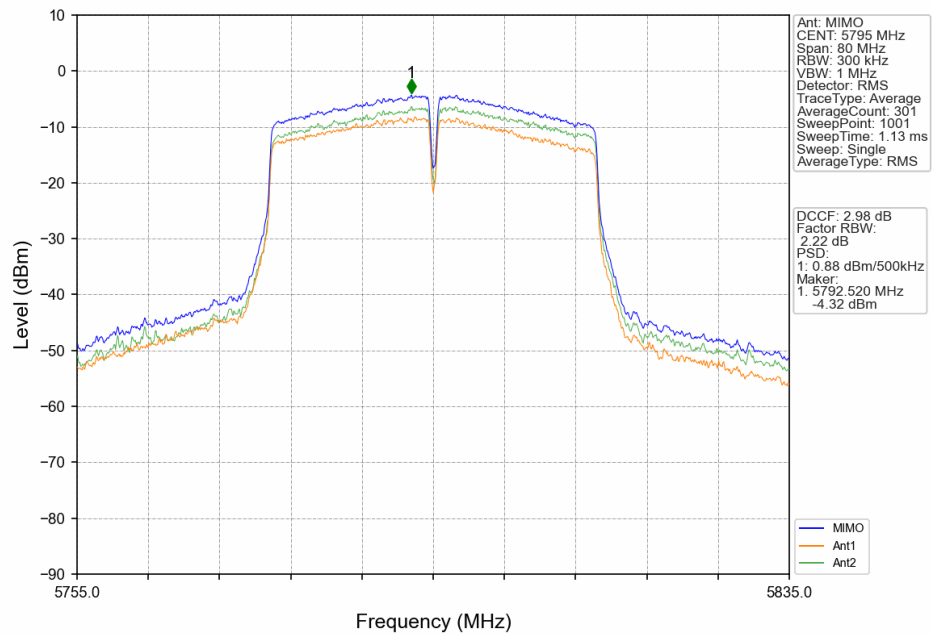
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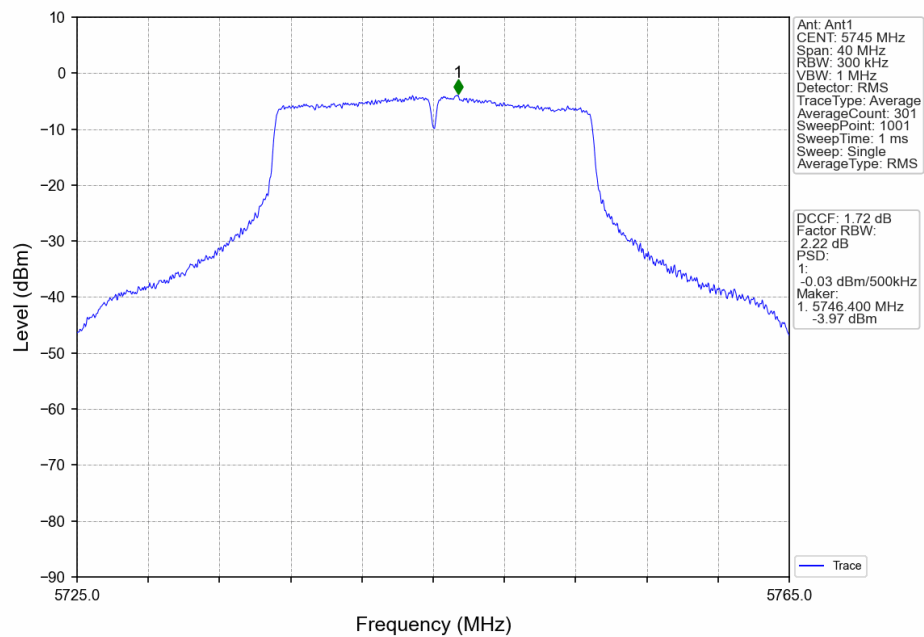
802.11n(HT40)_HCH_5795MHz_Ant2 NTN



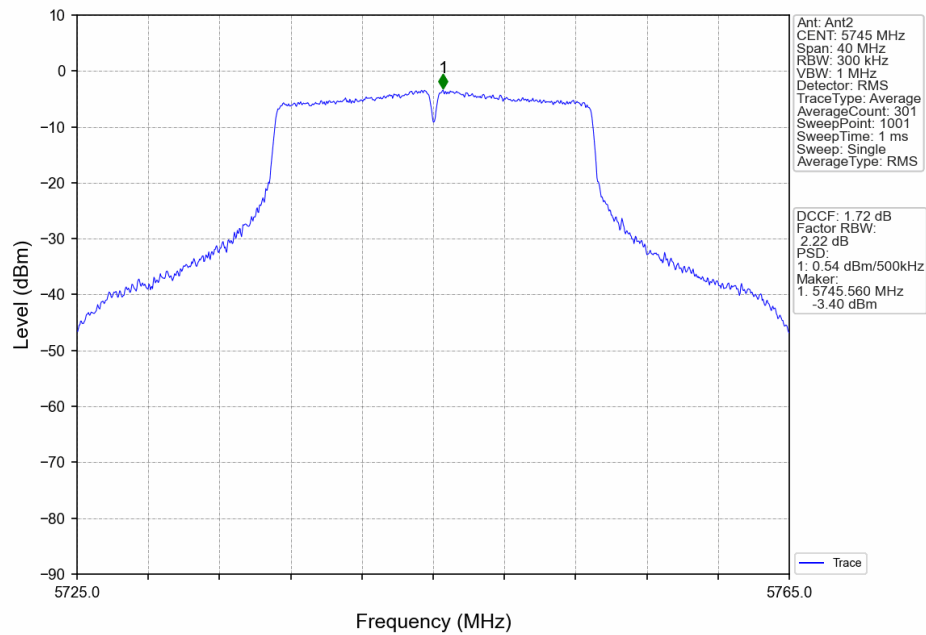
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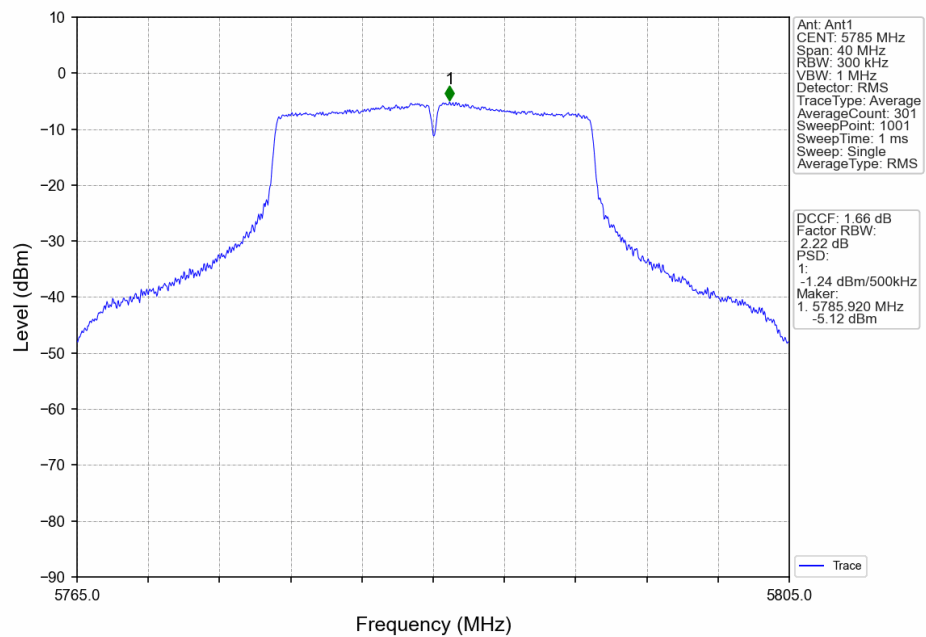
802.11ac(VHT20) LCH 5745MHz_Ant1 NTN



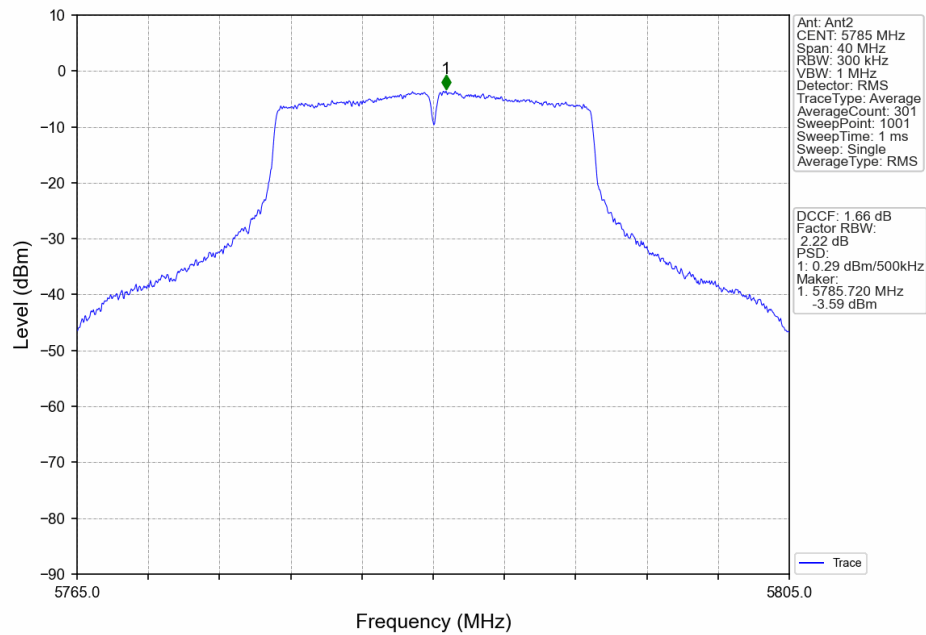
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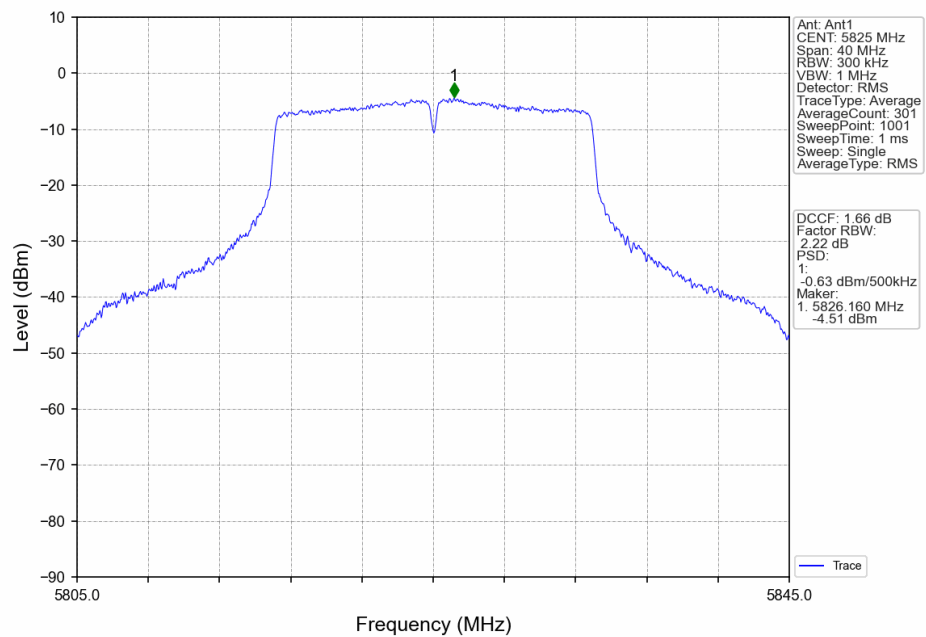
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTN



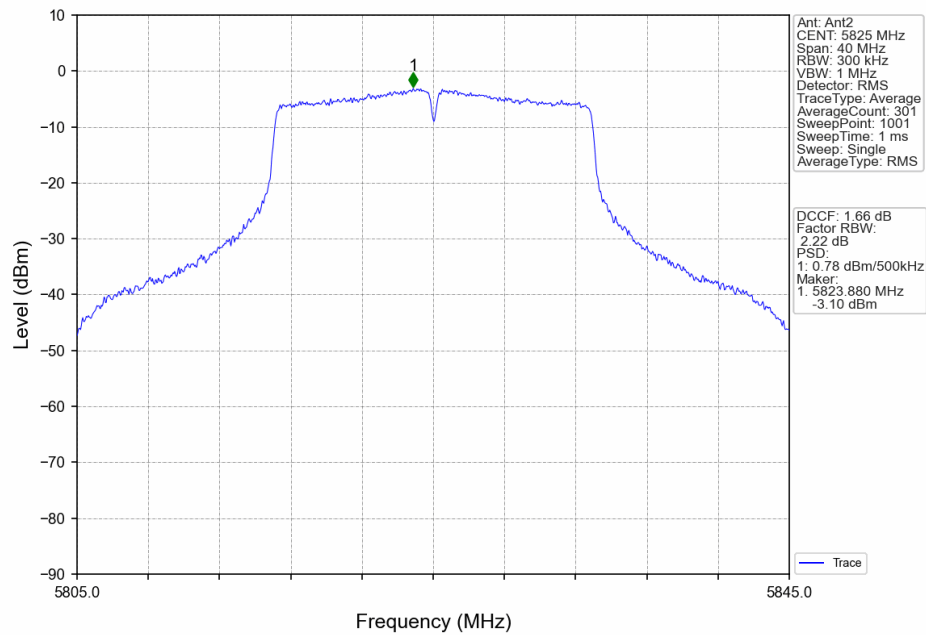
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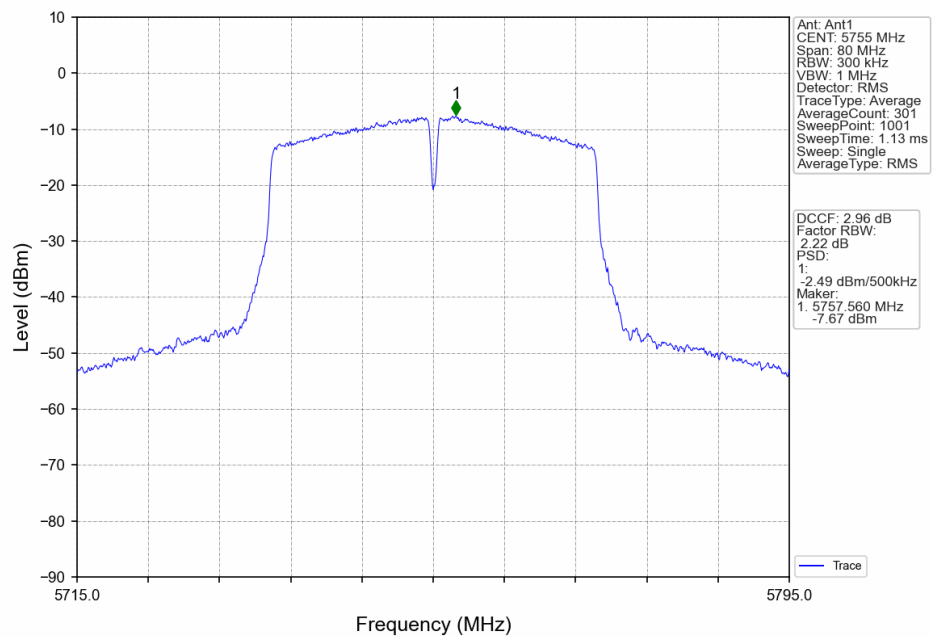
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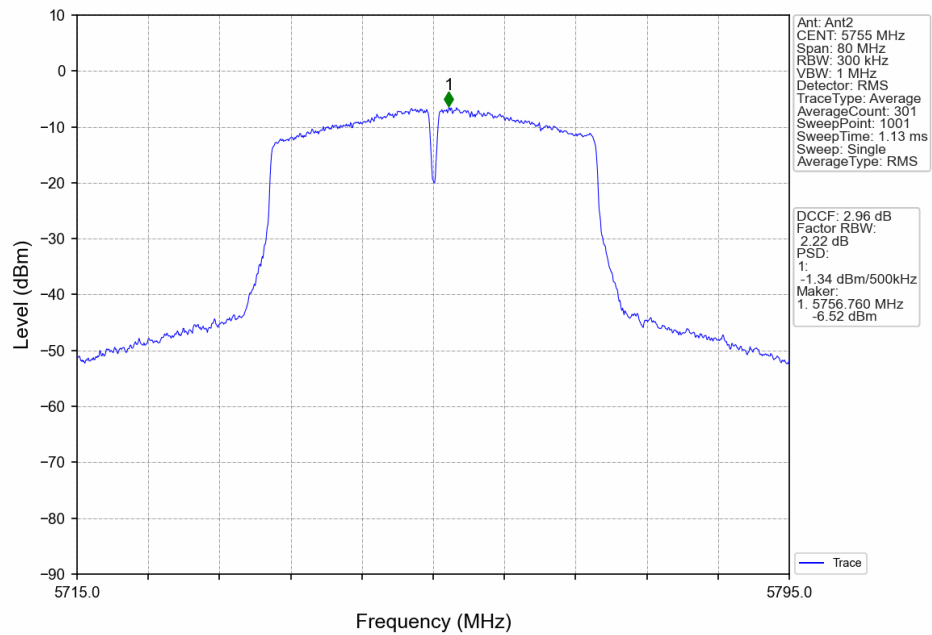
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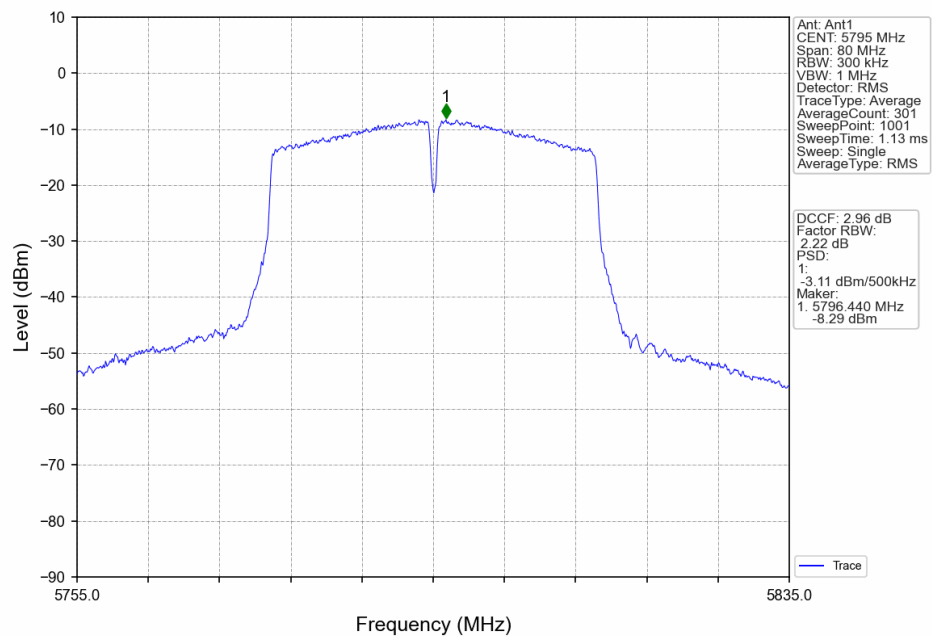
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTN



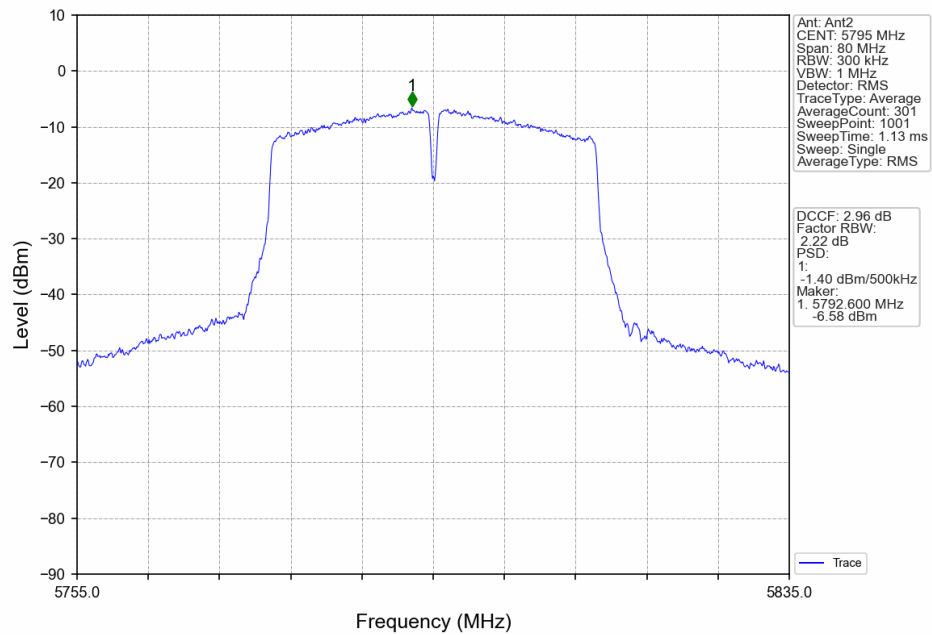
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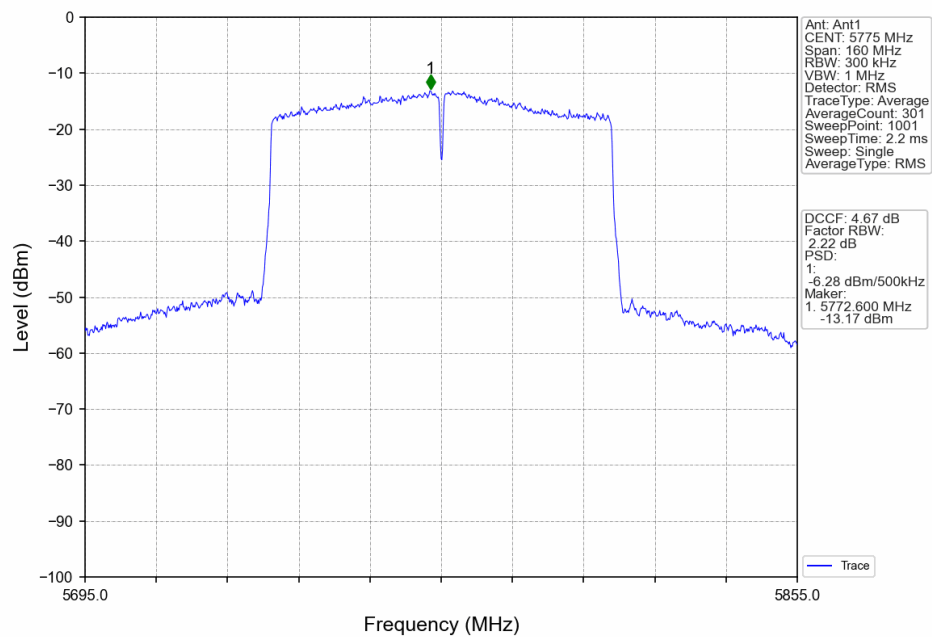
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTN



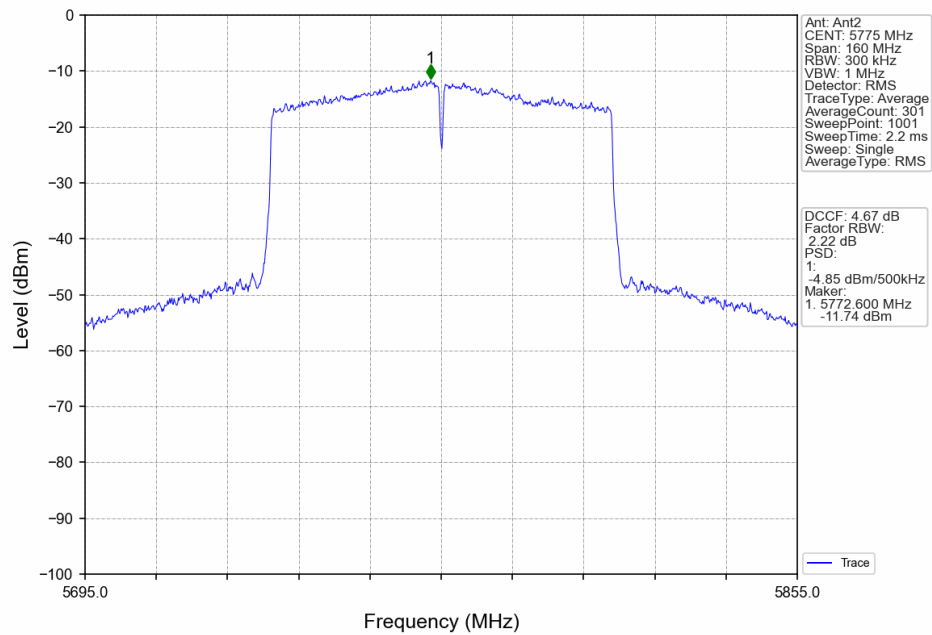
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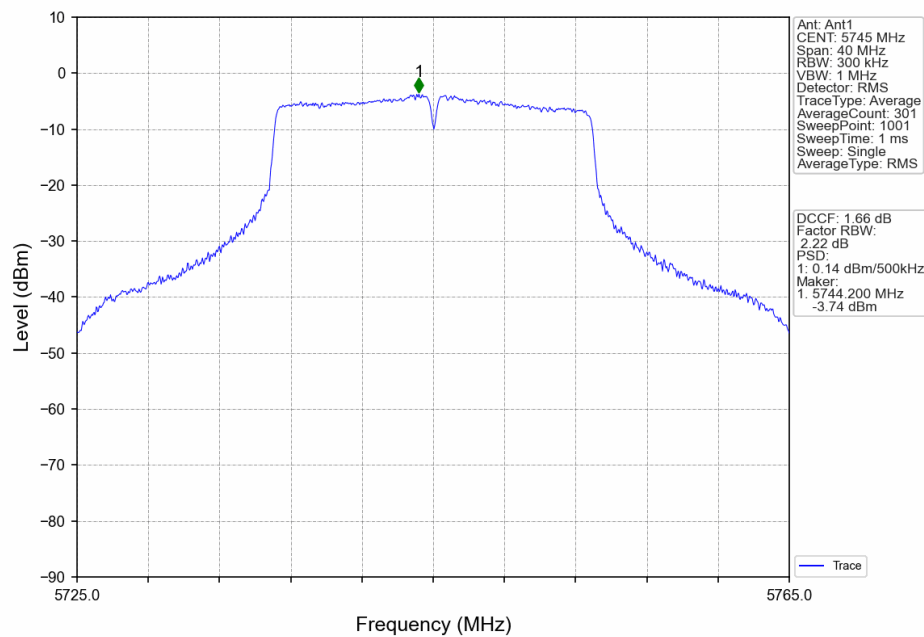
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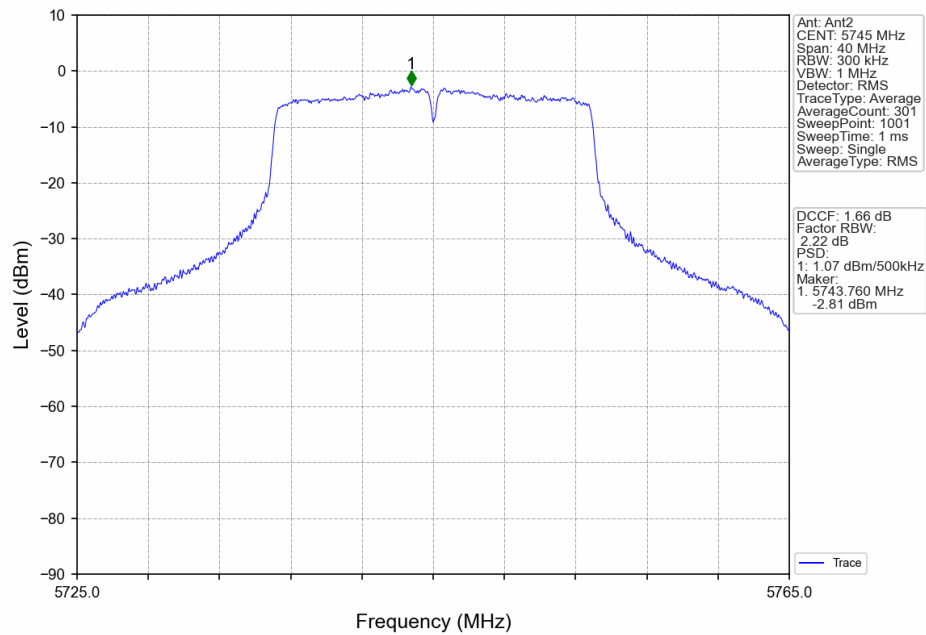
802.11ac(VHT80) MCH 5775MHz Ant2 NTN



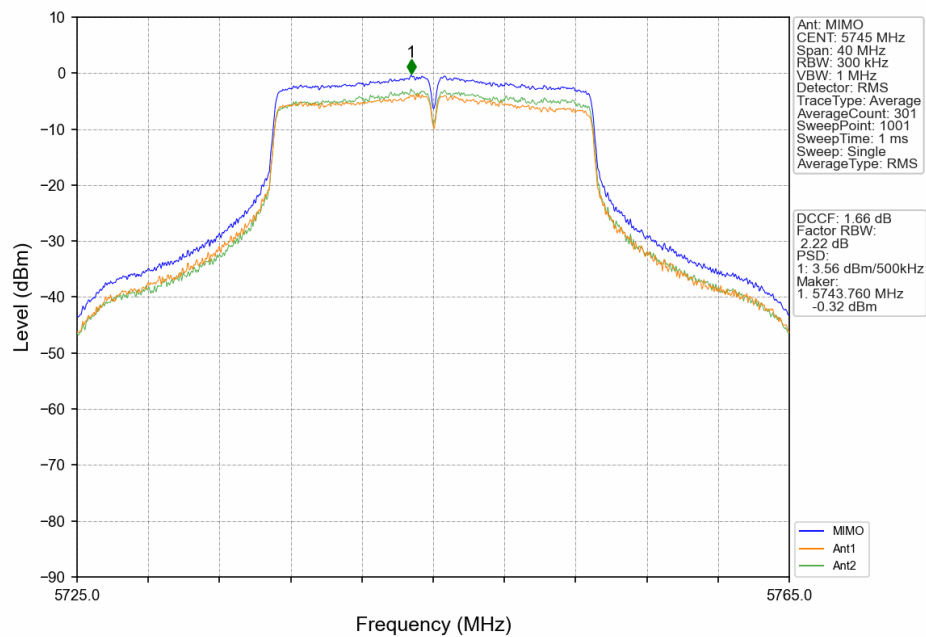
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTN



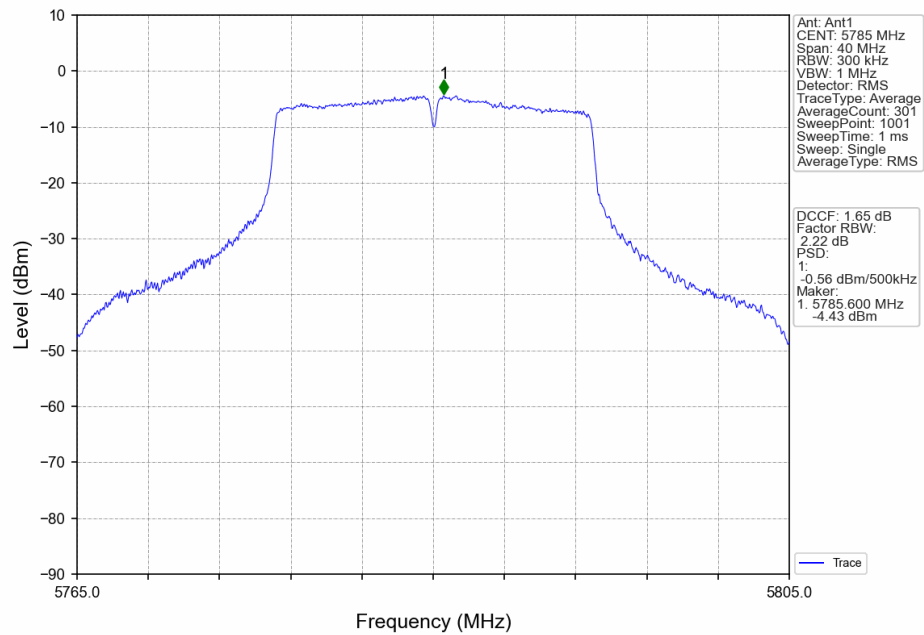
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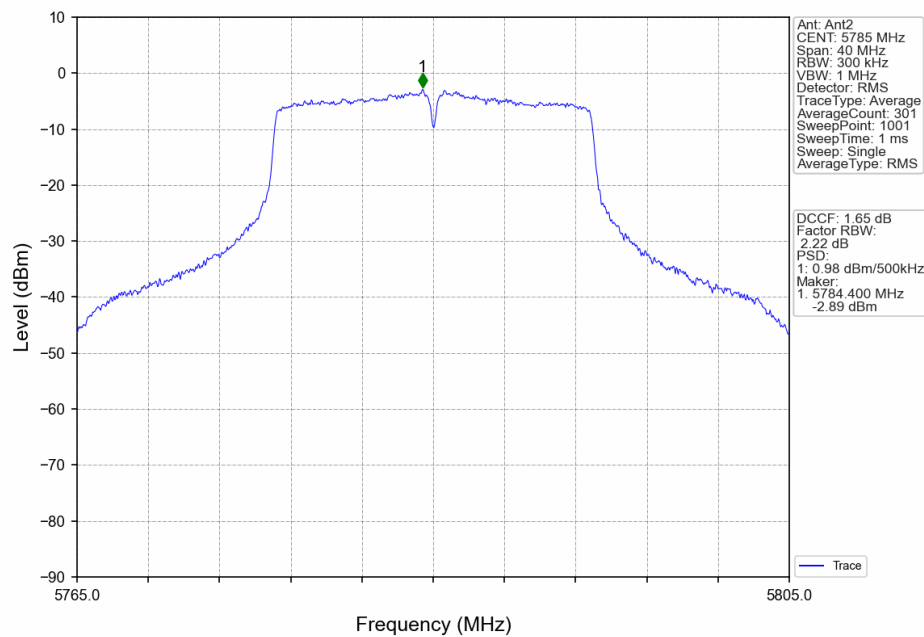
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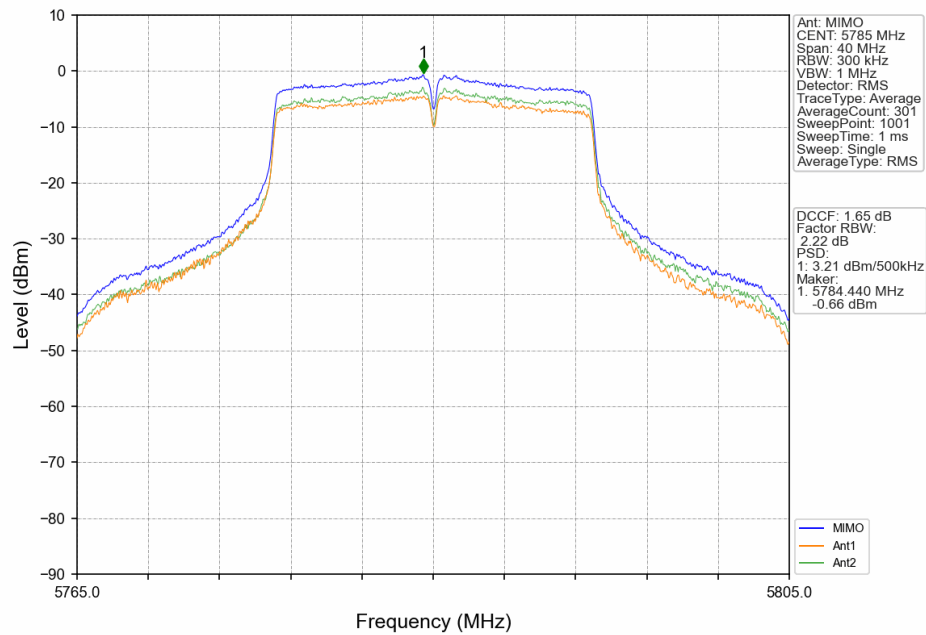
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



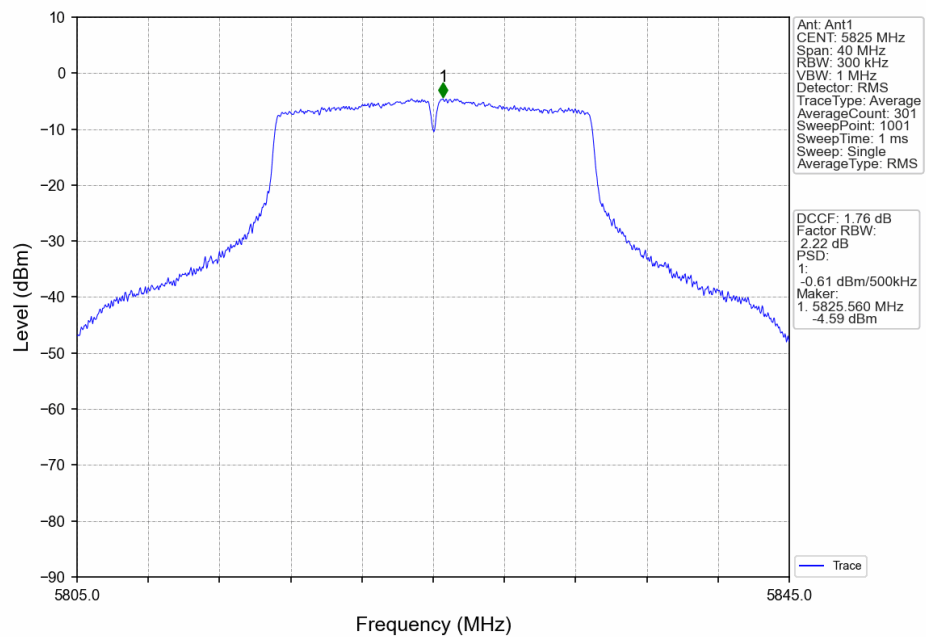
802.11ac(VHT20) MCH 5785MHz Ant2 NTN



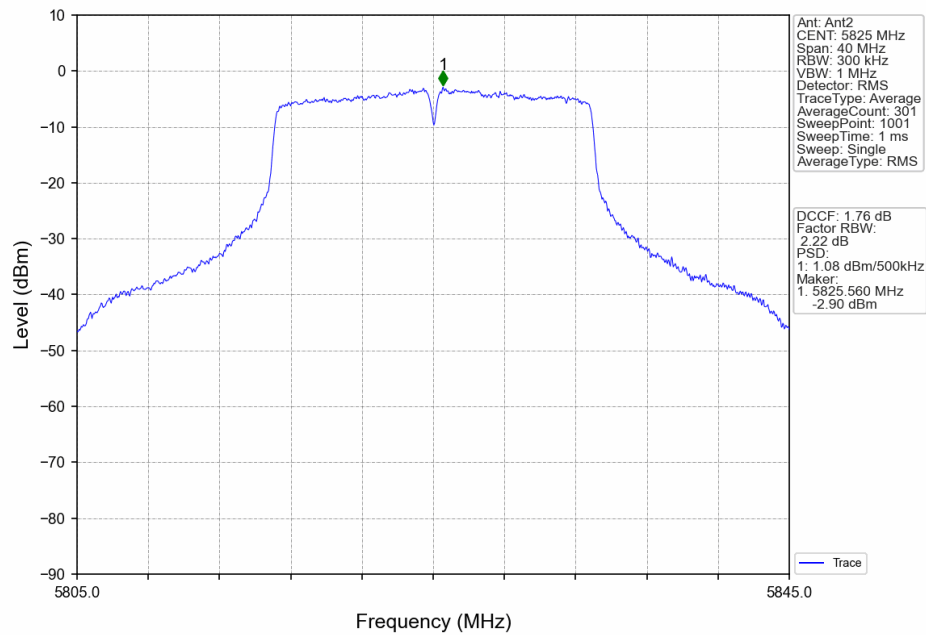
802.11ac(VHT20) MCH 5785MHz MIMO_NTNV



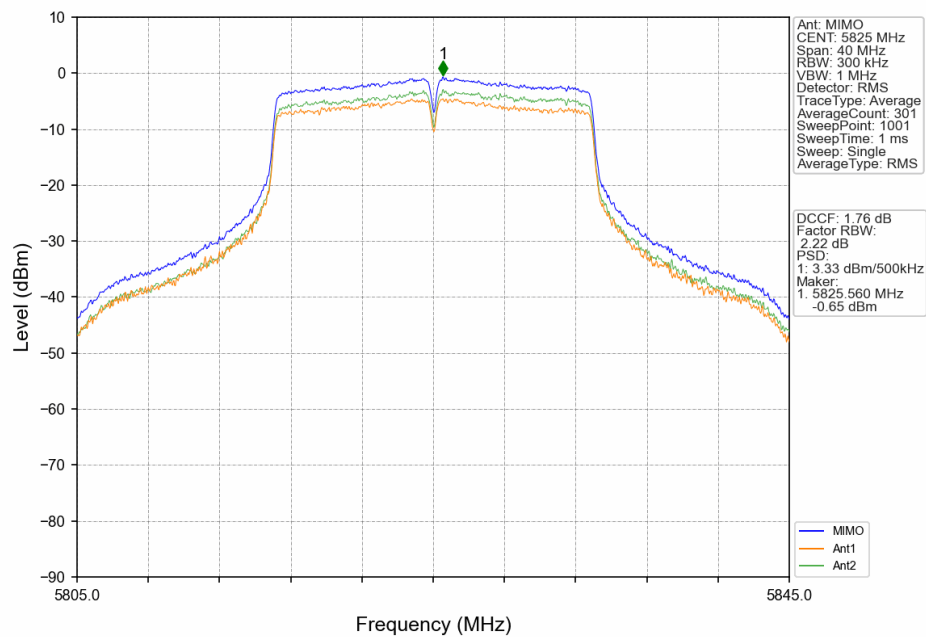
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



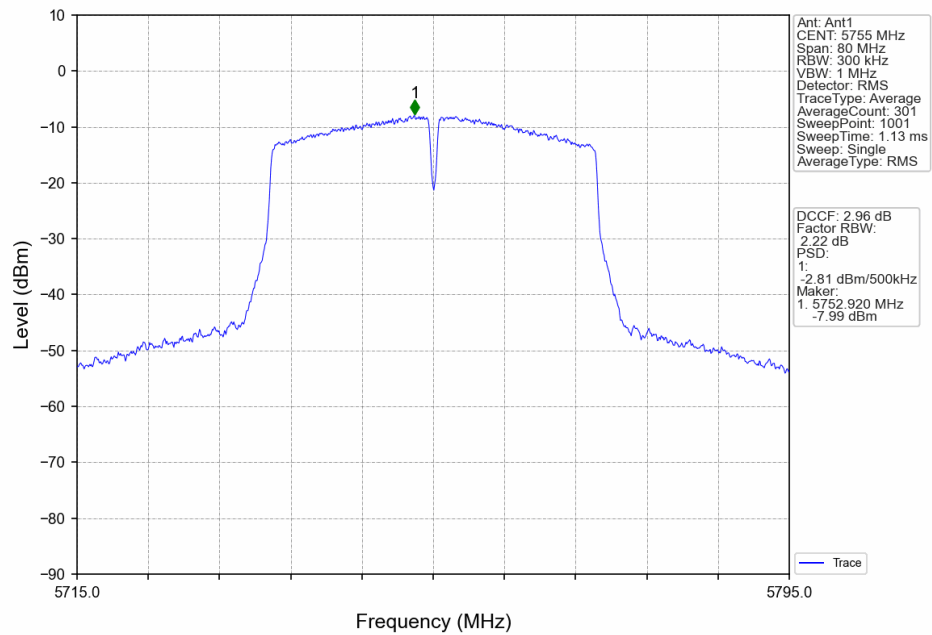
802.11ac(VHT20) HCH 5825MHz Ant2 NTN



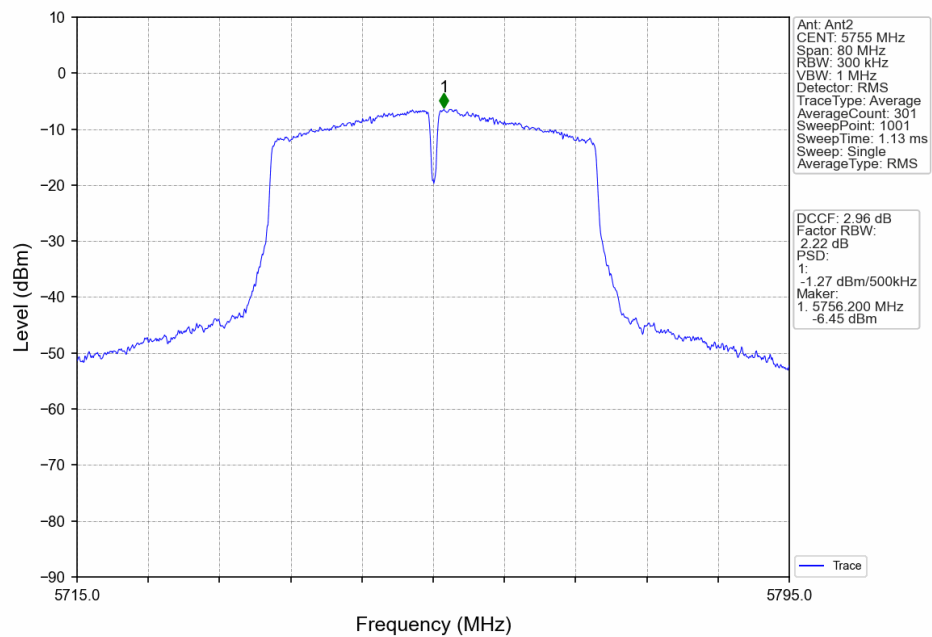
802.11ac(VHT20) HCH 5825MHz MIMO NTN



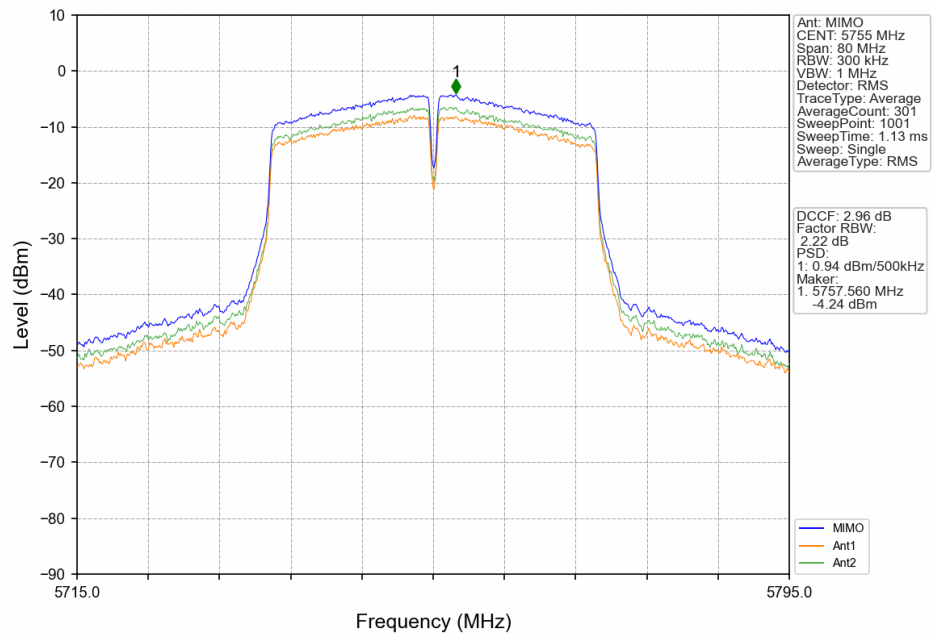
802.11ac(VHT40) LCH 5755MHz Ant1 NTN



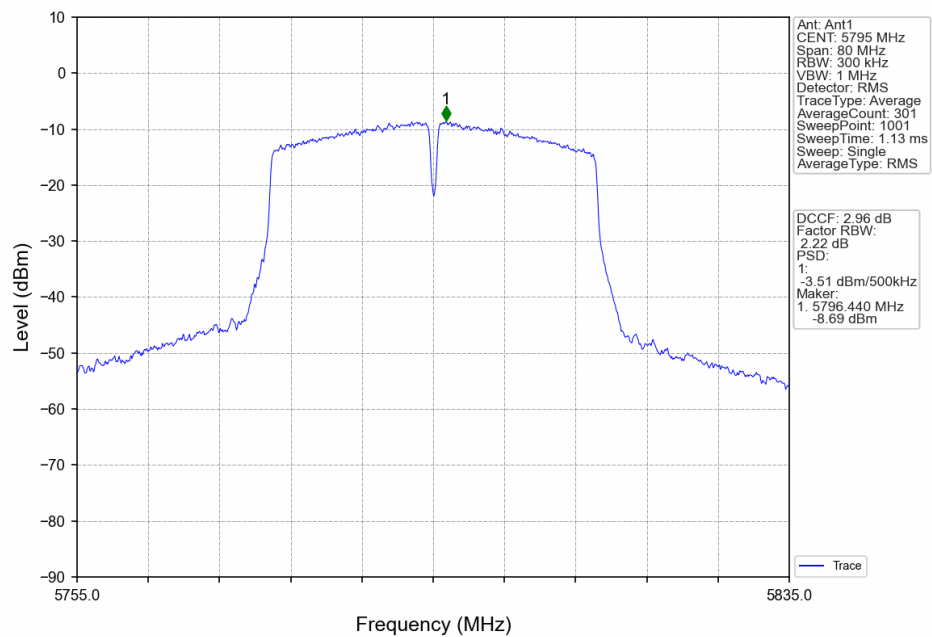
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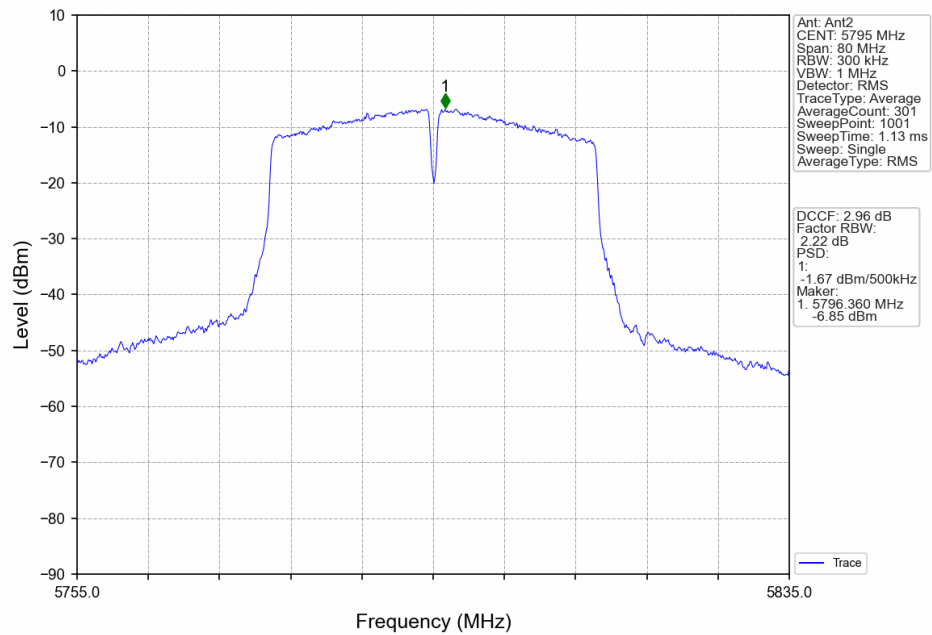
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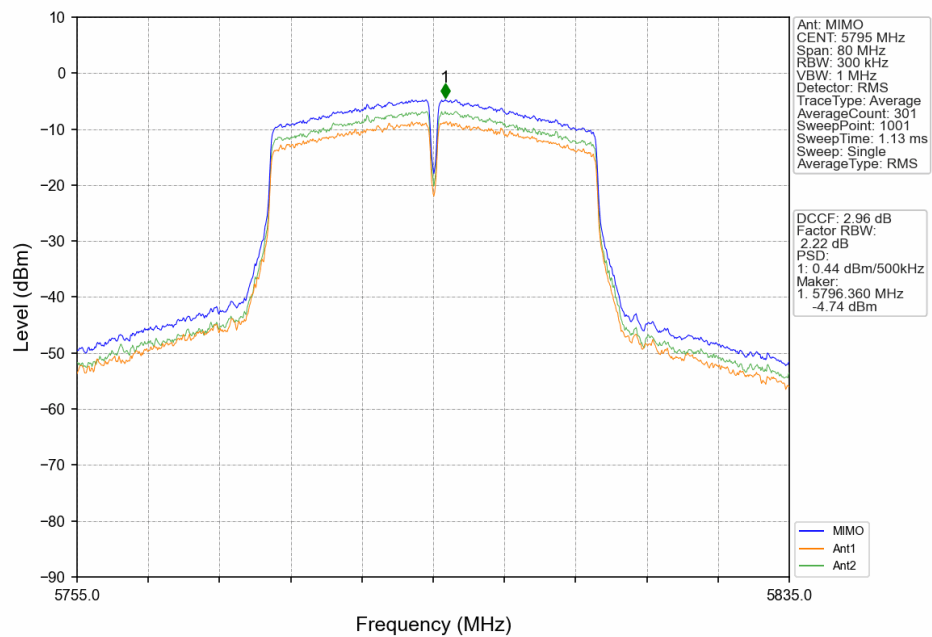
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTN



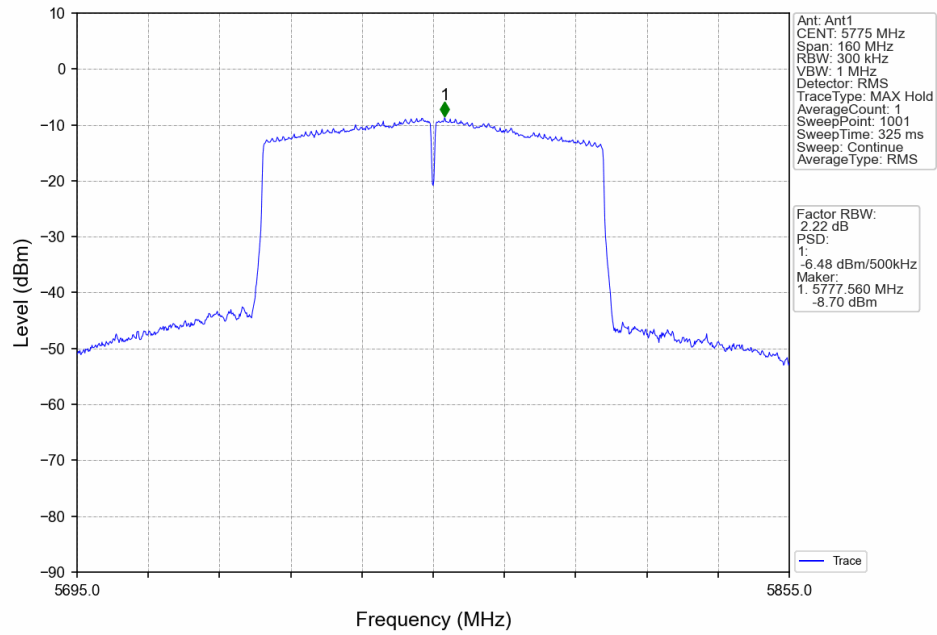
802.11ac(VHT40) HCH 5795MHz Ant2 NTN



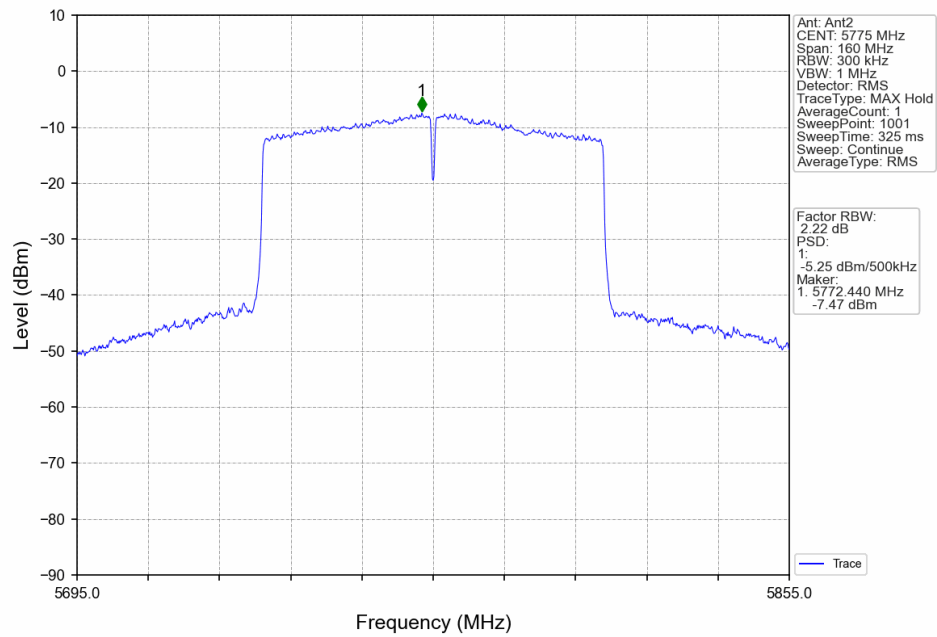
802.11ac(VHT40) HCH 5795MHz MIMO NTN



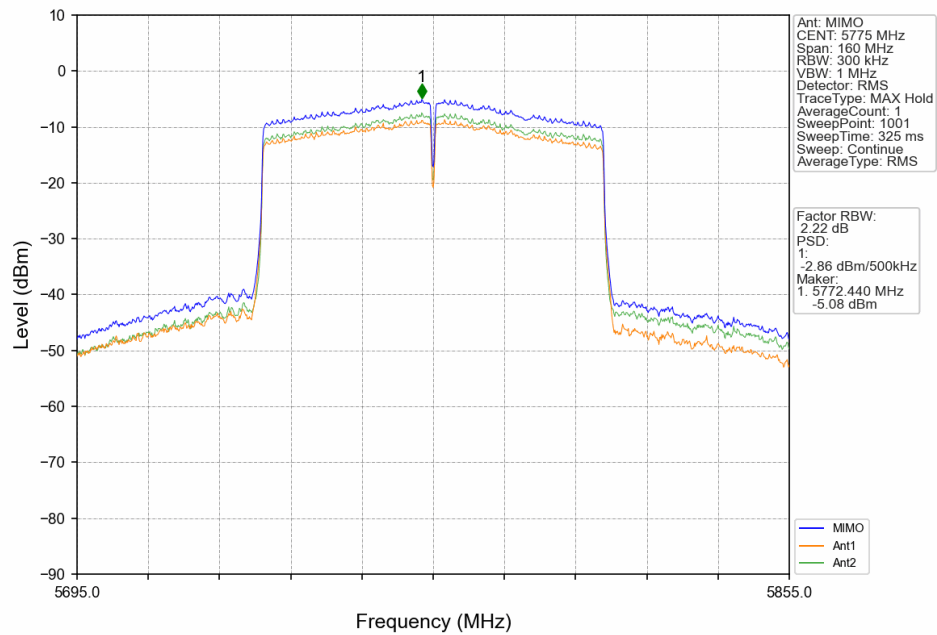
802.11ac(VHT80) MCH 5775MHz Ant1 NTN



802.11ac(VHT80) MCH 5775MHz Ant2 NTN



802.11ac(VHT80) MCH 5775MHz MIMO NTN



802.11ax(HEW20) LCH 5745MHz RU242 Left Ant1 NTN

