

1. Duty Cycle

1.1 Test Result

1.1.1 Ant0

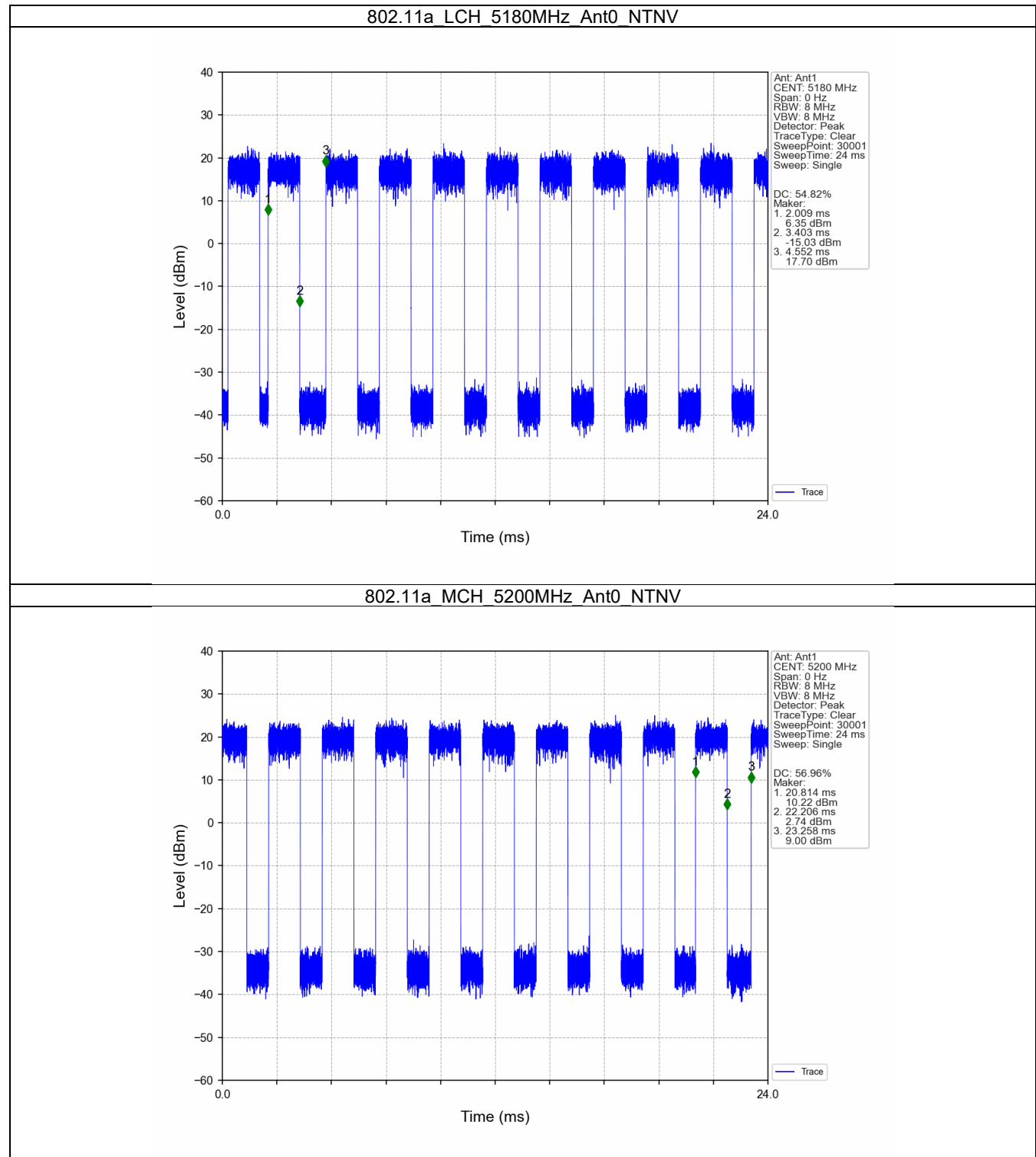
Ant0									
Mode	Tx Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	1.394	2.543	54.82	2.61	24.41
		5200	/	/	1.392	2.444	56.96	2.44	3.57
		5240	/	/	1.394	2.390	58.33	2.34	2.53
		5745	/	/	1.395	2.355	59.24	2.27	0.02
		5785	/	/	1.393	2.353	59.20	2.28	0.03
		5825	/	/	1.394	2.354	59.22	2.28	1.65
802.11n (HT20)	MIMO	5180	/	/	1.289	2.251	57.26	2.42	0.72
		5200	/	/	1.291	2.250	57.38	2.41	0.02
		5240	/	/	1.290	2.250	57.33	2.42	0.26
		5745	/	/	1.290	2.250	57.33	2.42	0.02
		5785	/	/	1.290	2.285	56.46	2.48	1.11
		5825	/	/	1.289	2.287	56.36	2.49	1.13
802.11n (HT40)	MIMO	5190	/	/	0.634	1.594	39.77	4.00	0.26
		5230	/	/	0.634	1.594	39.77	4.00	0.23
		5755	/	/	0.634	1.594	39.77	4.00	0.03
		5795	/	/	0.632	1.594	39.65	4.02	0.26
802.11ac (VHT20)	MIMO	5180	/	/	1.309	2.288	57.21	2.43	0.69
		5200	/	/	1.014	2.011	50.42	2.97	1.18
		5240	/	/	1.309	2.306	56.76	2.46	1.13
		5745	/	/	1.308	2.270	57.62	2.39	0.26
		5785	/	/	1.308	2.270	57.62	2.39	0.04
		5825	/	/	1.308	2.270	57.62	2.39	0.04
802.11ac (VHT40)	MIMO	5190	/	/	0.653	1.614	40.46	3.93	19.35
		5230	/	/	0.653	1.614	40.46	3.93	0.03
		5755	/	/	0.652	1.614	40.40	3.94	0.05
		5795	/	/	0.652	1.614	40.40	3.94	0.23
802.11ac (VHT80)	MIMO	5210	/	/	0.325	1.286	25.27	5.97	0.04
		5775	/	/	0.325	1.285	25.29	5.97	0.08
802.11ax (HEW20)	MIMO	5180	RU242	Left	1.014	1.993	50.88	2.93	1.18
		5200	RU242	Left	1.015	2.011	50.47	2.97	0.92
		5240	RU242	Left	1.014	1.976	51.32	2.90	0.02
		5745	RU242	Left	1.014	1.975	51.34	2.90	0.03
		5785	RU242	Left	1.014	1.975	51.34	2.90	0.03
		5825	RU242	Left	1.013	1.974	51.32	2.90	0.03
802.11ax (HEW40)	MIMO	5190	RU484	Left	0.534	1.495	35.72	4.47	0.03
		5230	RU484	Left	0.534	1.504	35.51	4.50	0.25
		5755	RU484	Left	0.534	1.495	35.72	4.47	0.03
		5795	RU484	Left	0.534	1.495	35.72	4.47	0.05
802.11ax (HEW80)	MIMO	5210	RU996	Left	0.289	1.266	22.83	6.42	3.59
		5775	RU996	Left	0.289	1.248	23.16	6.35	0.03

1.1.2 Ant1

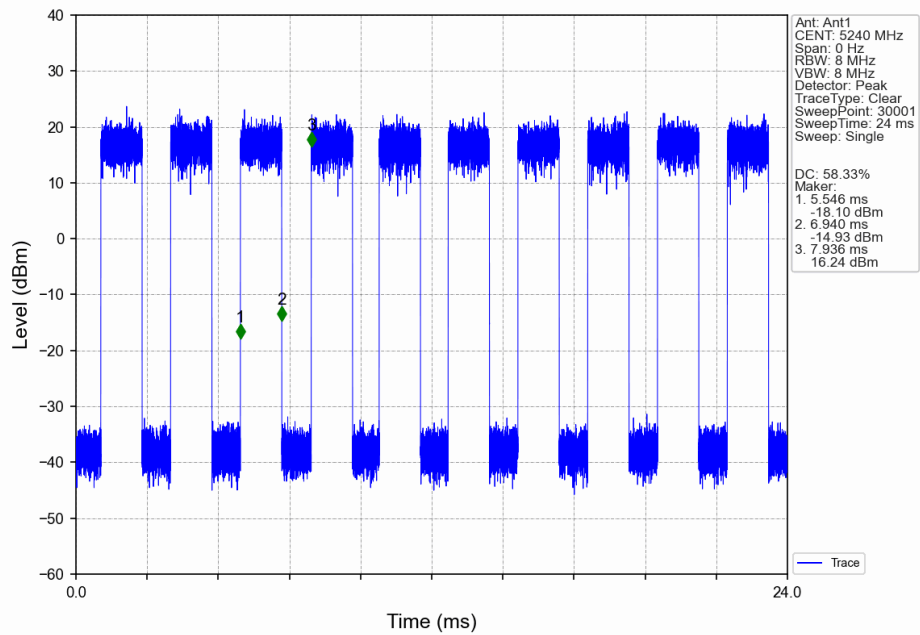
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	1.395	2.355	59.24	2.27	0.02
		5200	/	/	1.392	2.353	59.16	2.28	1.65
		5240	/	/	1.393	2.353	59.20	2.28	1.42
		5745	/	/	1.394	2.354	59.22	2.28	0.71
		5785	/	/	1.394	2.354	59.22	2.28	0.24
		5825	/	/	1.394	2.354	59.22	2.28	0.02
802.11n (HT20)	MIMO	5180	/	/	1.289	2.250	57.29	2.42	1.42
		5200	/	/	1.290	2.250	57.33	2.42	1.42
		5240	/	/	1.291	2.251	57.35	2.41	1.66
		5745	/	/	1.291	2.251	57.35	2.41	1.66
		5785	/	/	1.290	2.259	57.10	2.43	1.64
		5825	/	/	1.288	2.250	57.24	2.42	0.04
802.11n (HT40)	MIMO	5190	/	/	0.634	1.594	39.77	4.00	0.26
		5230	/	/	0.635	1.595	39.81	4.00	0.26
		5755	/	/	0.634	1.594	39.77	4.00	0.24
		5795	/	/	0.632	1.603	39.43	4.04	0.29
802.11ac (VHT20)	MIMO	5180	/	/	1.309	2.315	56.54	2.48	1.36
		5200	/	/	1.014	1.984	51.11	2.92	0.24
		5240	/	/	1.308	2.306	56.72	2.46	1.12
		5745	/	/	1.308	2.270	57.62	2.39	0.26
		5785	/	/	1.309	2.270	57.67	2.39	0.02
		5825	/	/	1.308	2.270	57.62	2.39	1.43
802.11ac (VHT40)	MIMO	5190	/	/	0.653	1.714	38.10	4.19	2.36
		5230	/	/	0.653	1.614	40.46	3.93	0.03
		5755	/	/	0.652	1.614	40.40	3.94	0.02
		5795	/	/	0.653	1.614	40.46	3.93	0.23
802.11ac (VHT80)	MIMO	5210	/	/	0.324	1.285	25.21	5.98	0.03
		5775	/	/	0.324	1.285	25.21	5.98	0.01
802.11ax (HEW20)	MIMO	5180	RU242	Left	1.014	1.975	51.34	2.90	0.02
		5200	RU242	Left	1.014	1.984	51.11	2.92	1.69
		5240	RU242	Left	1.014	1.975	51.34	2.90	0.02
		5745	RU242	Left	1.014	1.975	51.34	2.90	0.03
		5785	RU242	Left	1.014	1.975	51.34	2.90	1.24
		5825	RU242	Left	1.014	1.976	51.32	2.90	1.70
802.11ax (HEW40)	MIMO	5190	RU484	Left	0.534	1.495	35.72	4.47	0.01
		5230	RU484	Left	0.533	1.495	35.65	4.48	0.03
		5755	RU484	Left	0.534	1.495	35.72	4.47	0.03
		5795	RU484	Left	0.535	1.504	35.57	4.49	0.21
802.11ax (HEW80)	MIMO	5210	RU996	Left	0.288	1.257	22.91	6.40	3.39
		5775	RU996	Left	0.288	1.248	23.08	6.37	0.03

1.2 Test Graph

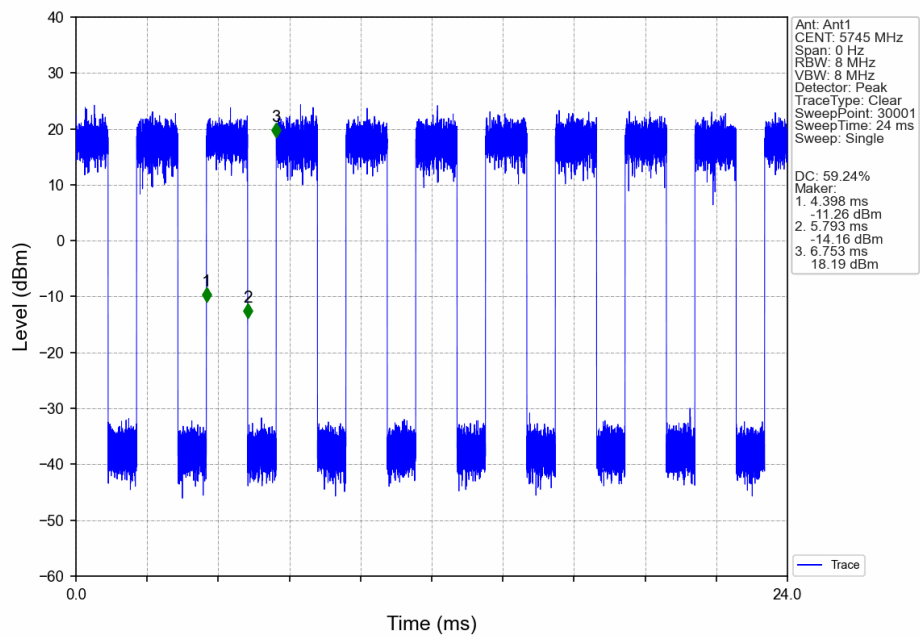
1.2.1 Ant0



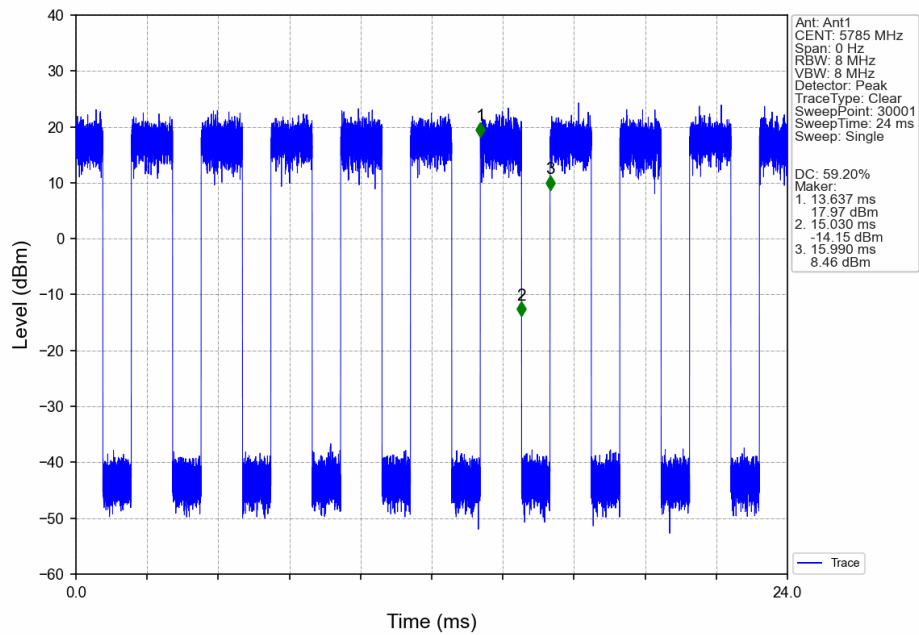
802.11a HCH 5240MHz Ant0 NTN



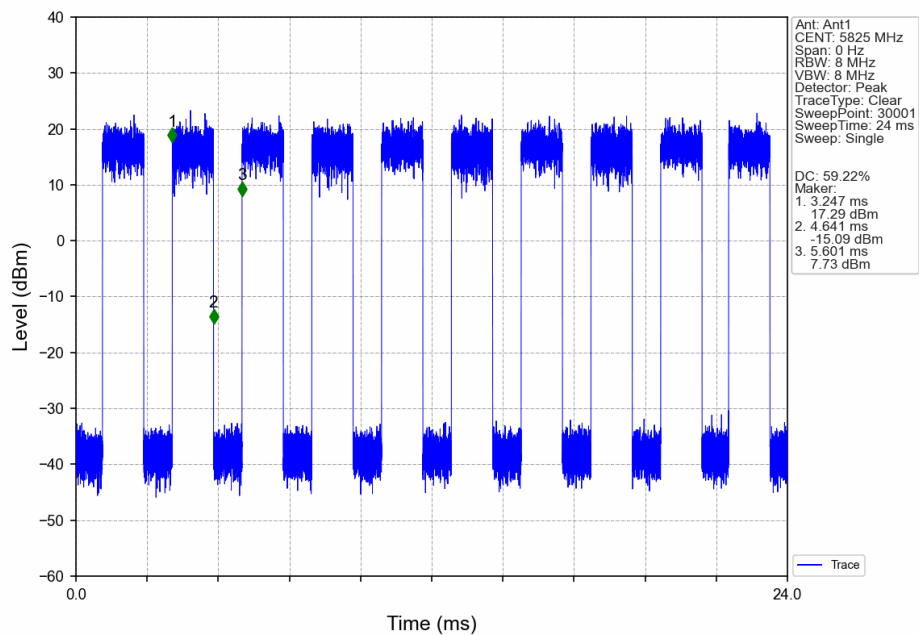
802.11a LCH 5745MHz Ant0 NTN



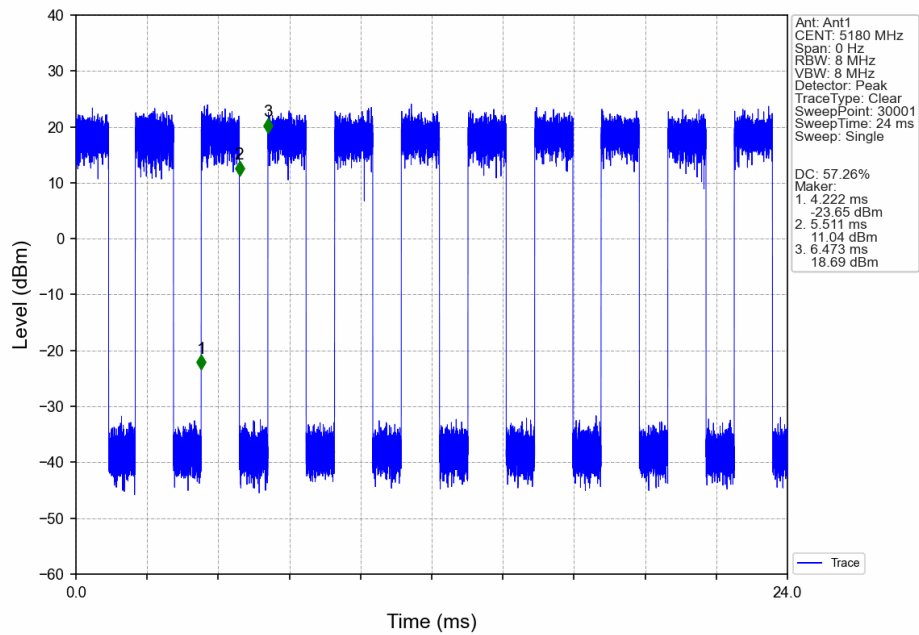
802.11a MCH 5785MHz Ant0 NTN



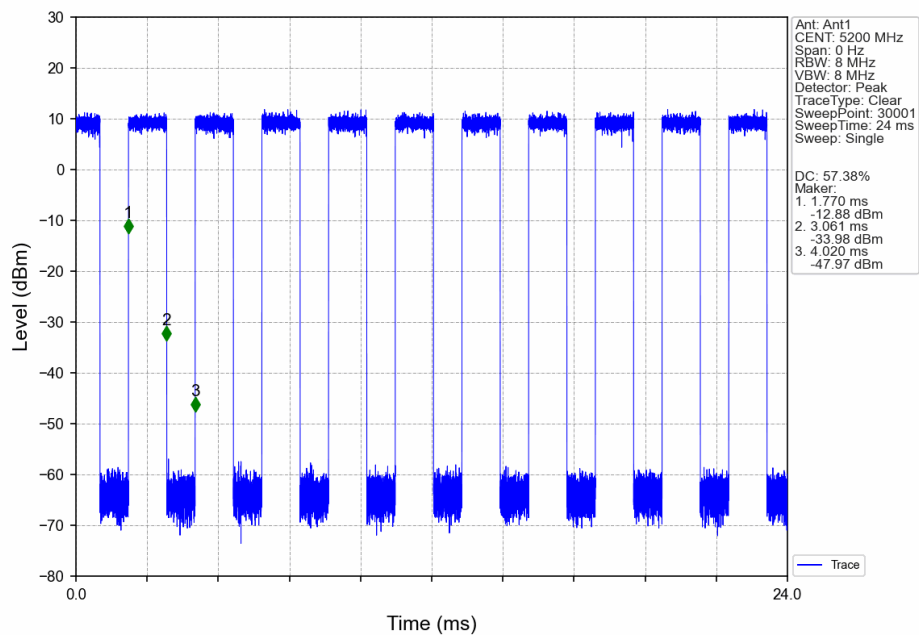
802.11a HCH 5825MHz Ant0 NTN



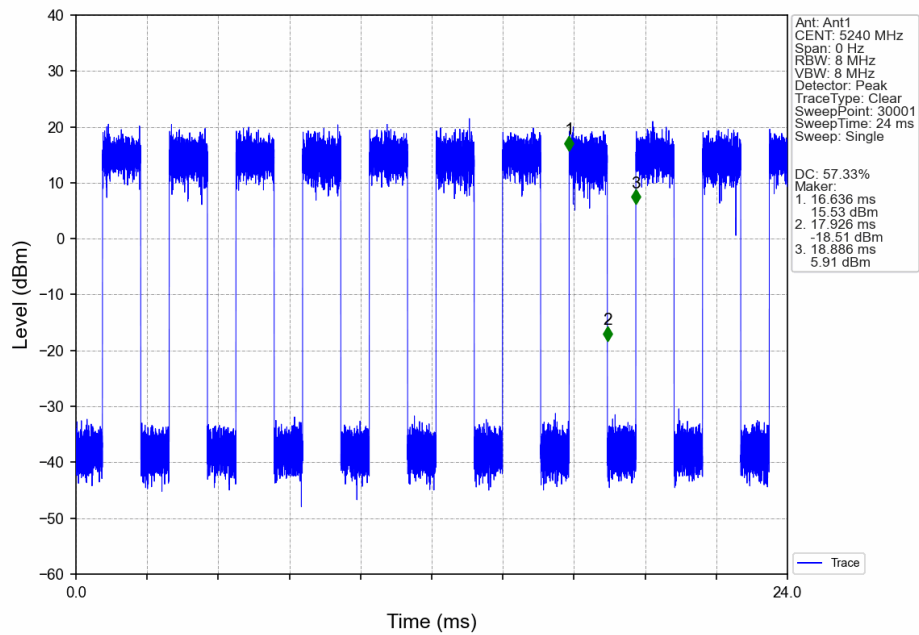
802.11n(HT20) LCH 5180MHz Ant0 NTN



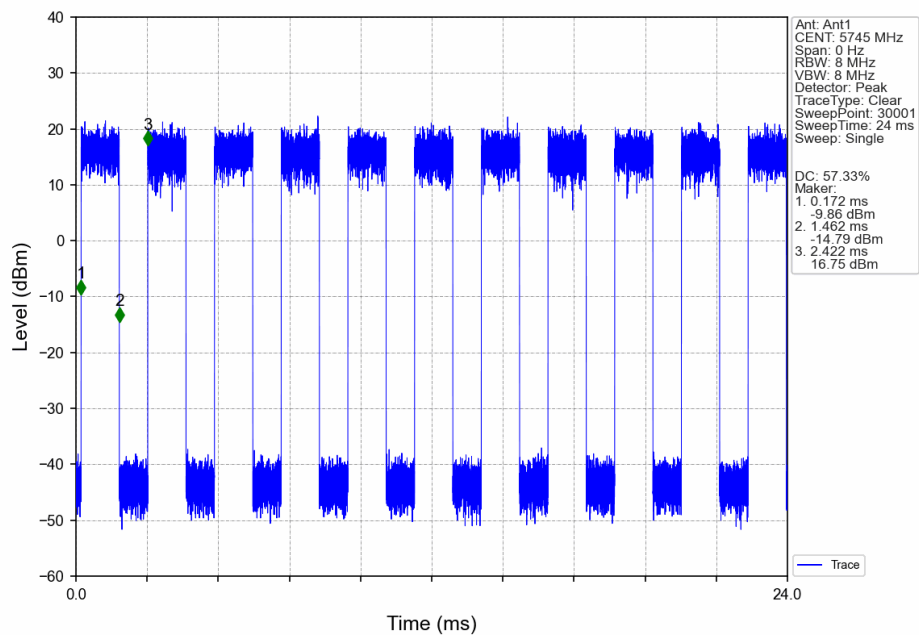
802.11n(HT20) MCH 5200MHz Ant0 NTN



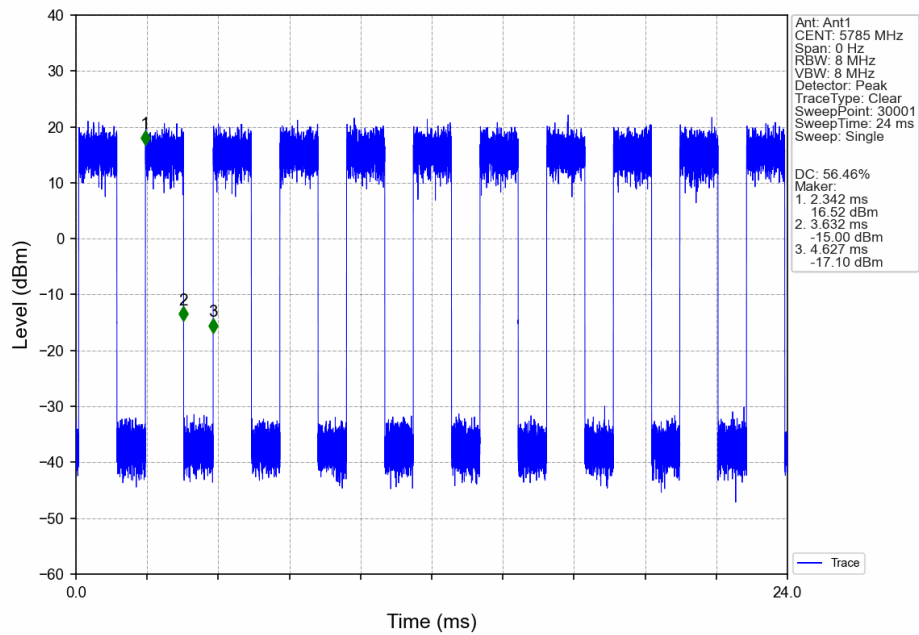
802.11n(HT20) HCH 5240MHz Ant0 NTNV



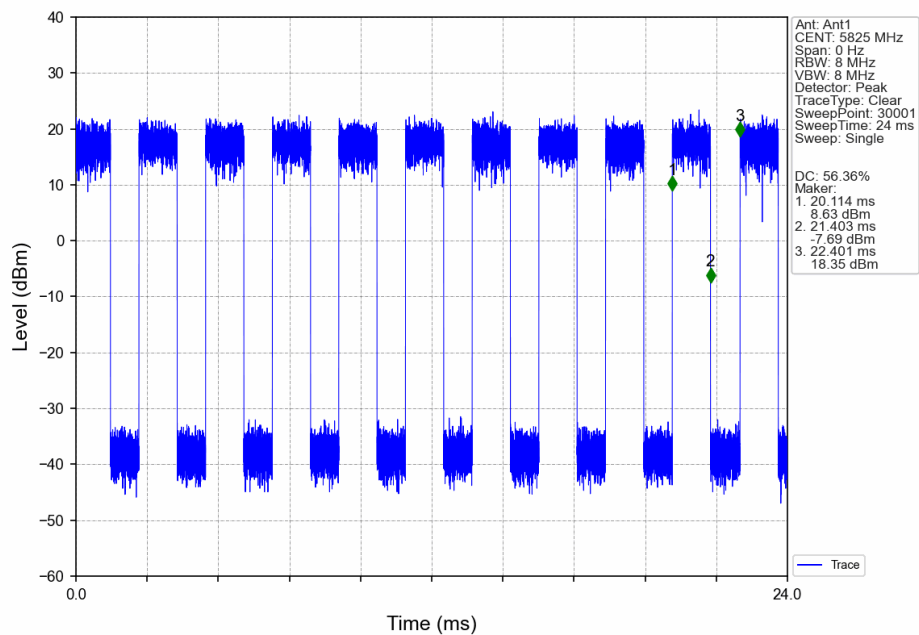
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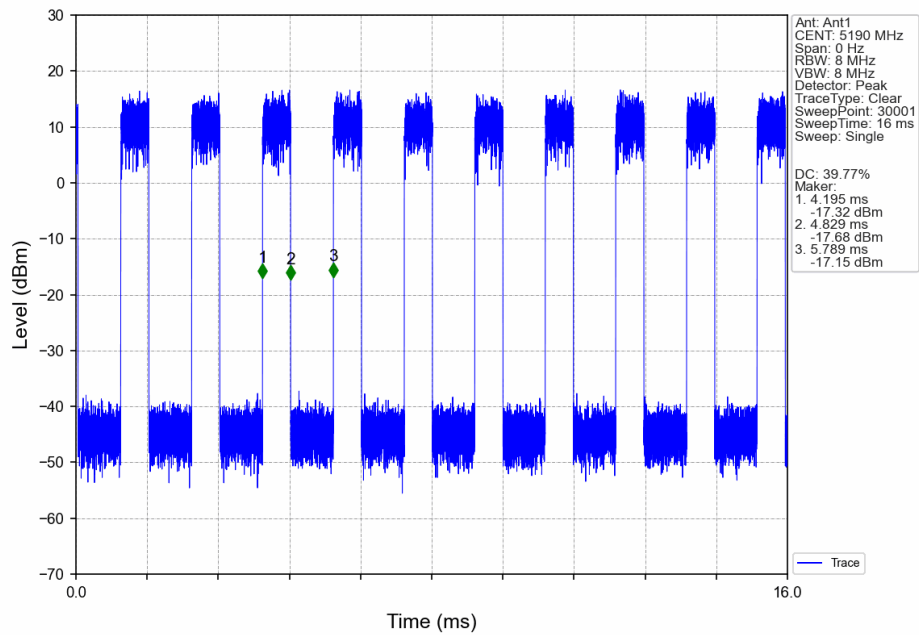
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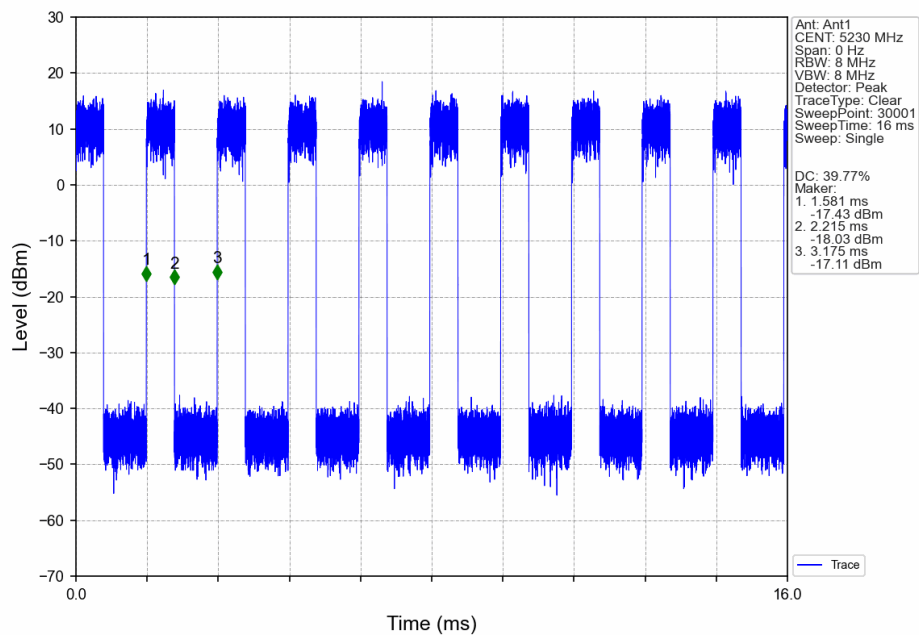
802.11n(HT20) HCH 5825MHz Ant0 NTNV



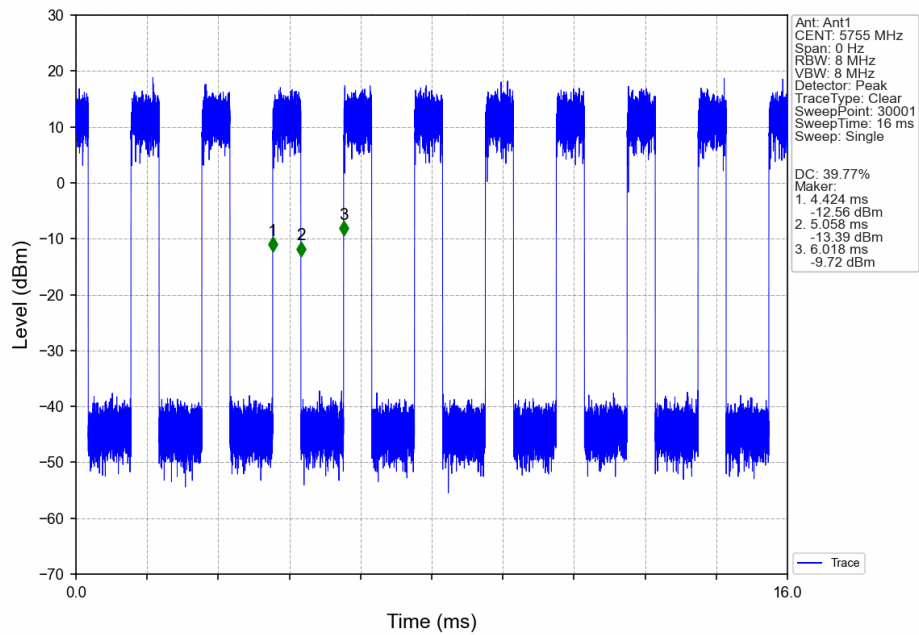
802.11n(HT40) LCH 5190MHz Ant0 NTNV



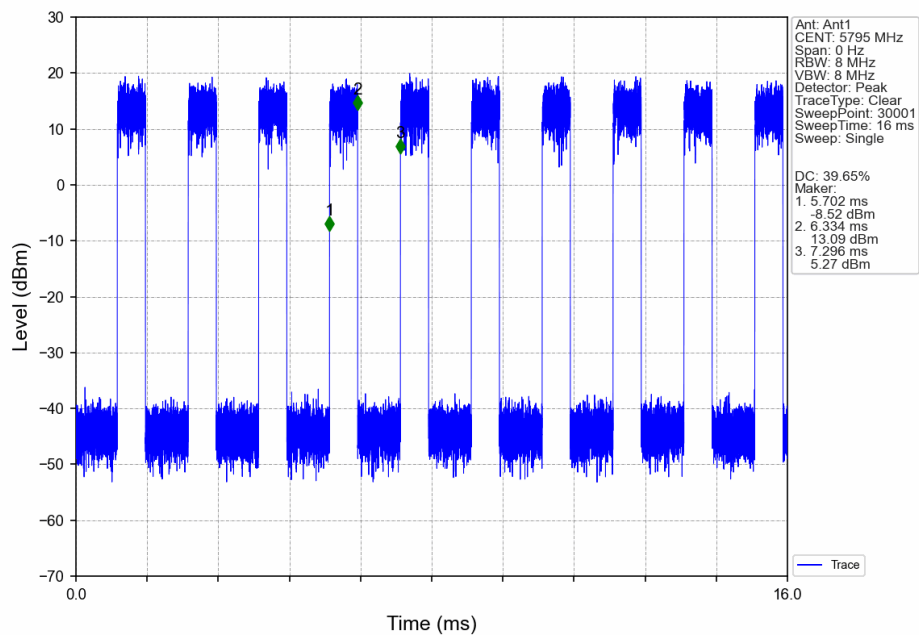
802.11n(HT40) HCH 5230MHz Ant0 NTNV



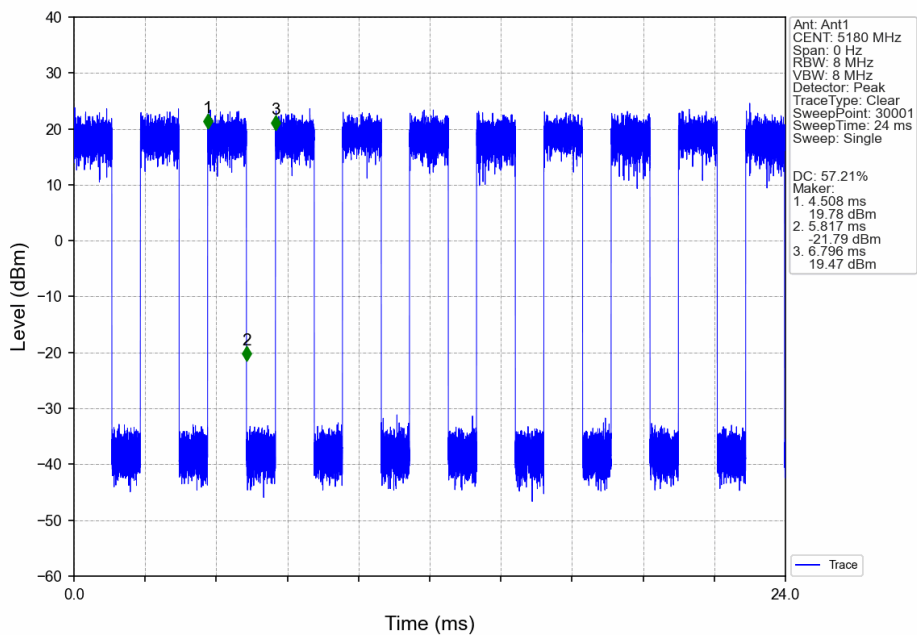
802.11n(HT40) LCH 5755MHz Ant0 NTN



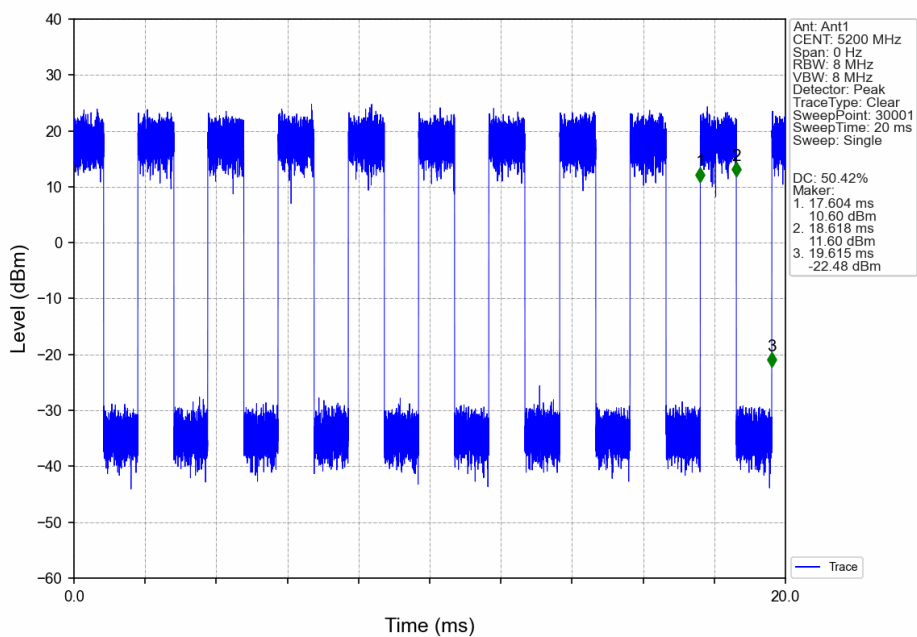
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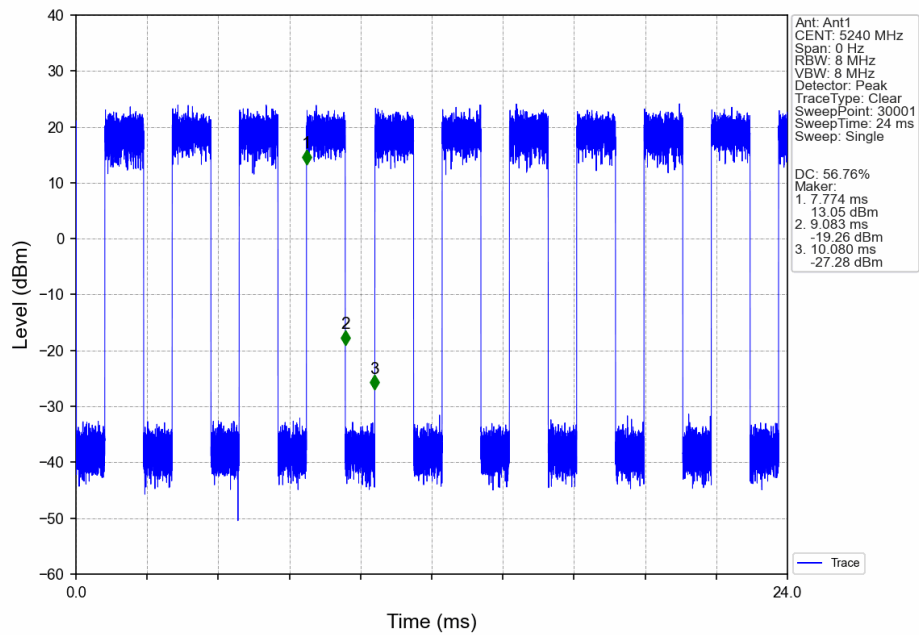
802.11ac(VHT20) LCH 5180MHz Ant0 NTN



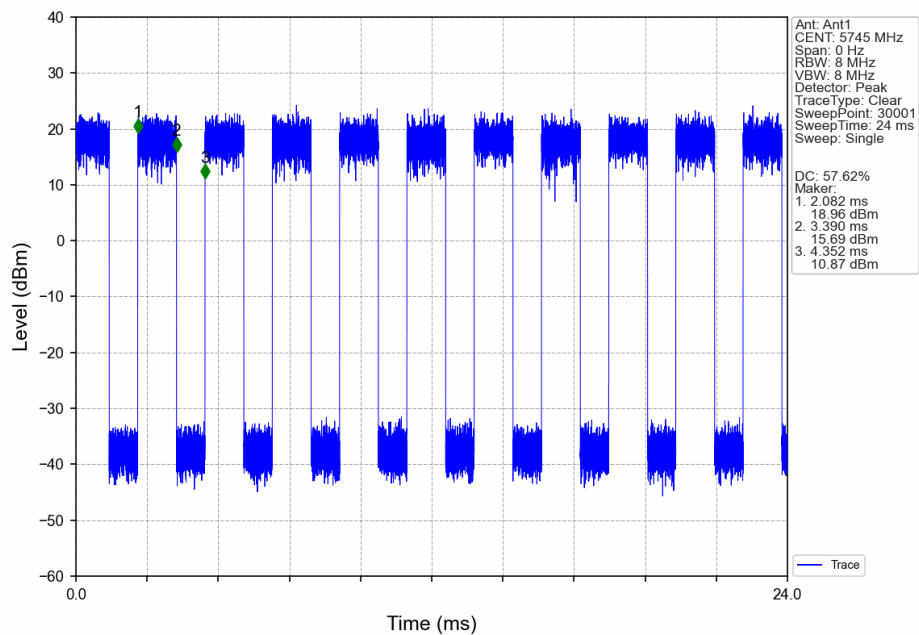
802.11ac(VHT20) MCH 5200MHz Ant0 NTN



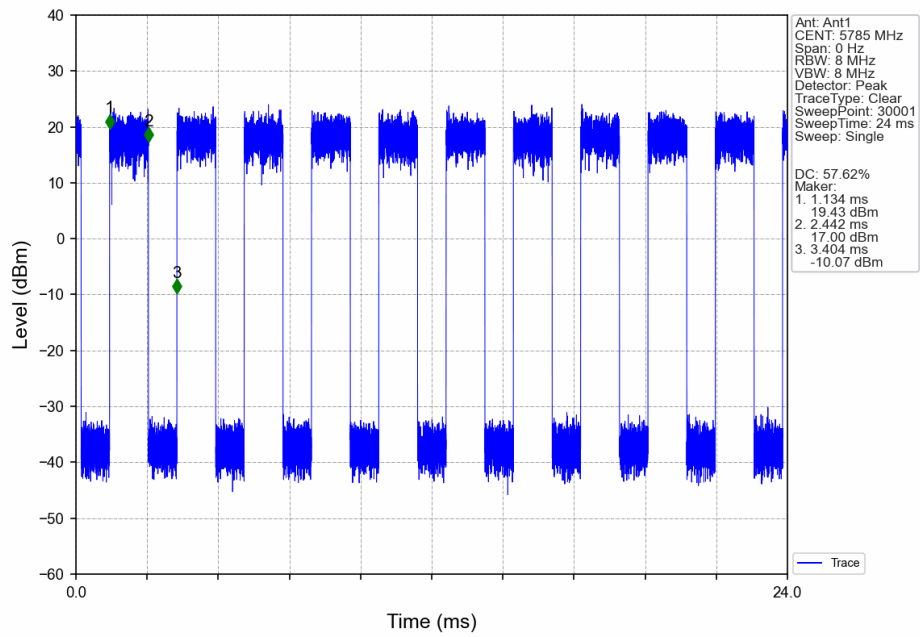
802.11ac(VHT20) HCH 5240MHz Ant0 NTNV



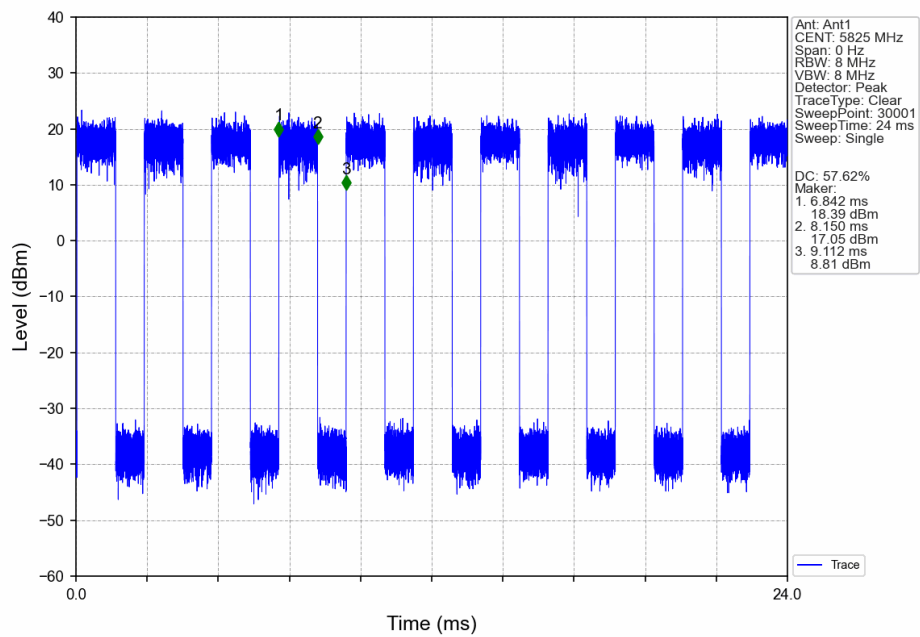
802.11ac(VHT20) LCH 5745MHz Ant0 NTNV



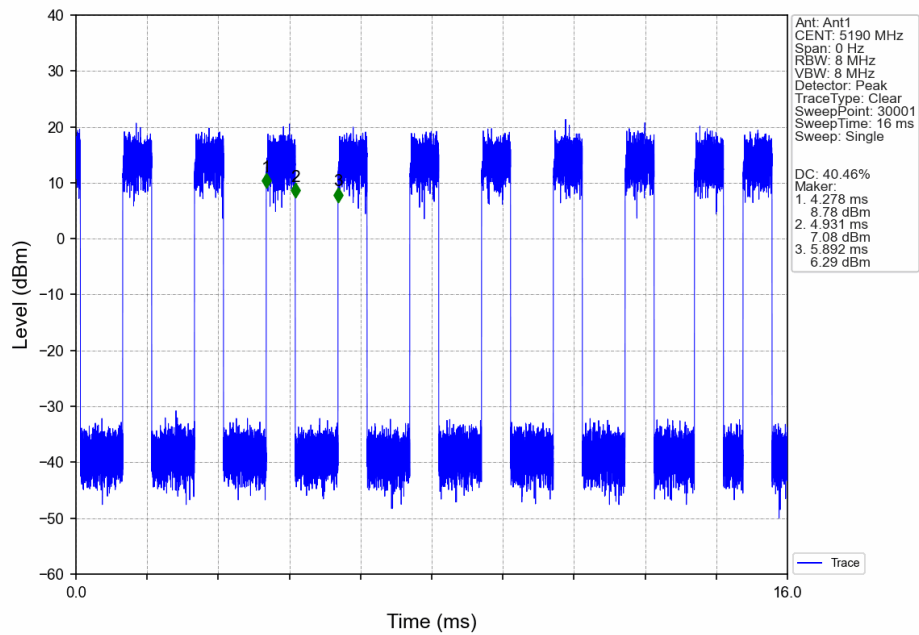
802.11ac(VHT20) MCH 5785MHz Ant0 NTN



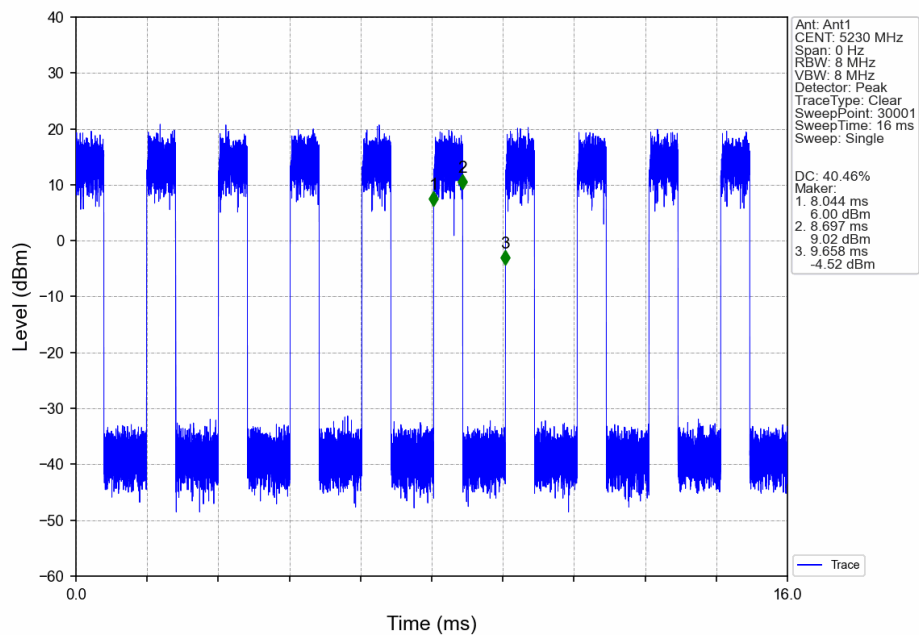
802.11ac(VHT20) HCH 5825MHz Ant0 NTN



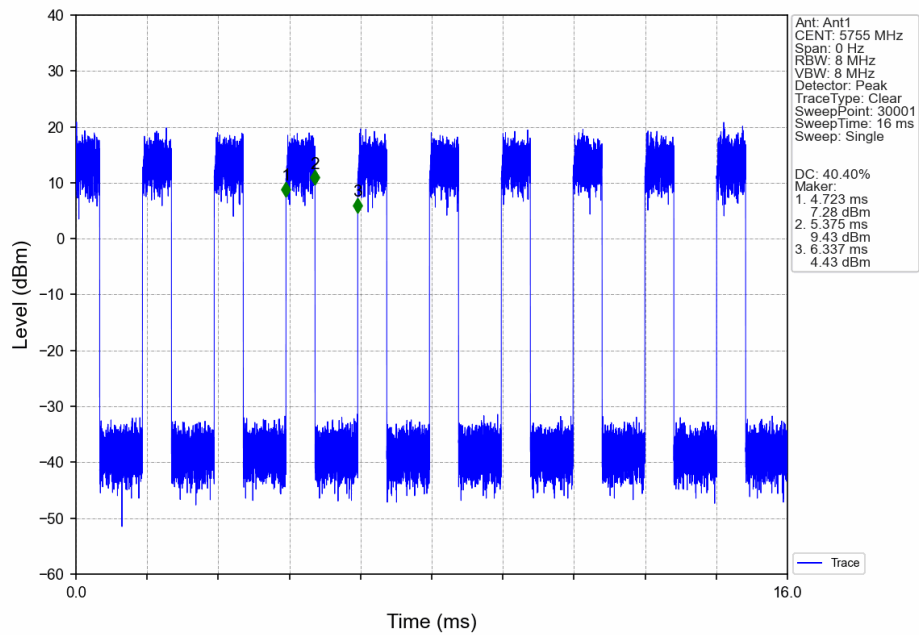
802.11ac(VHT40) LCH 5190MHz Ant0 NTN



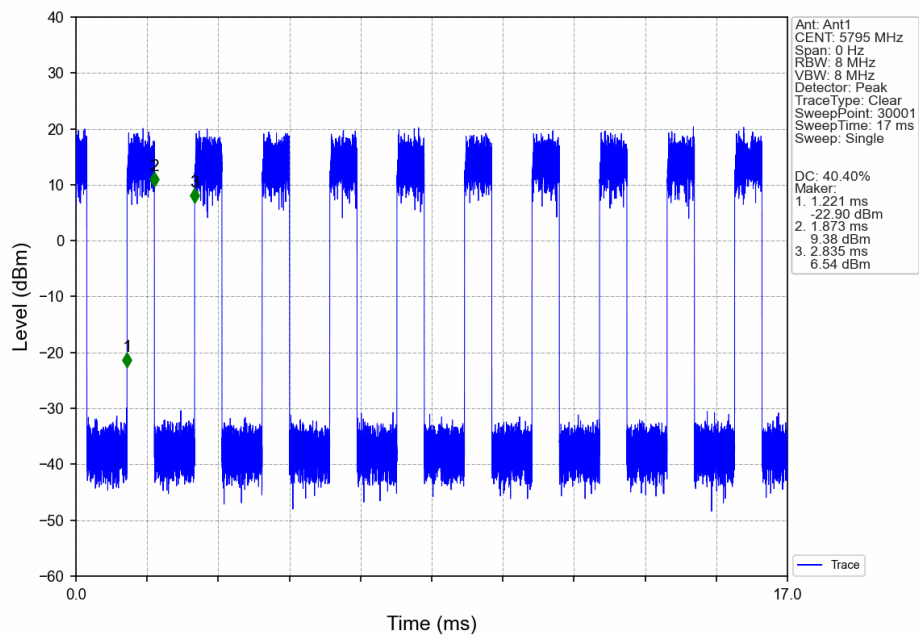
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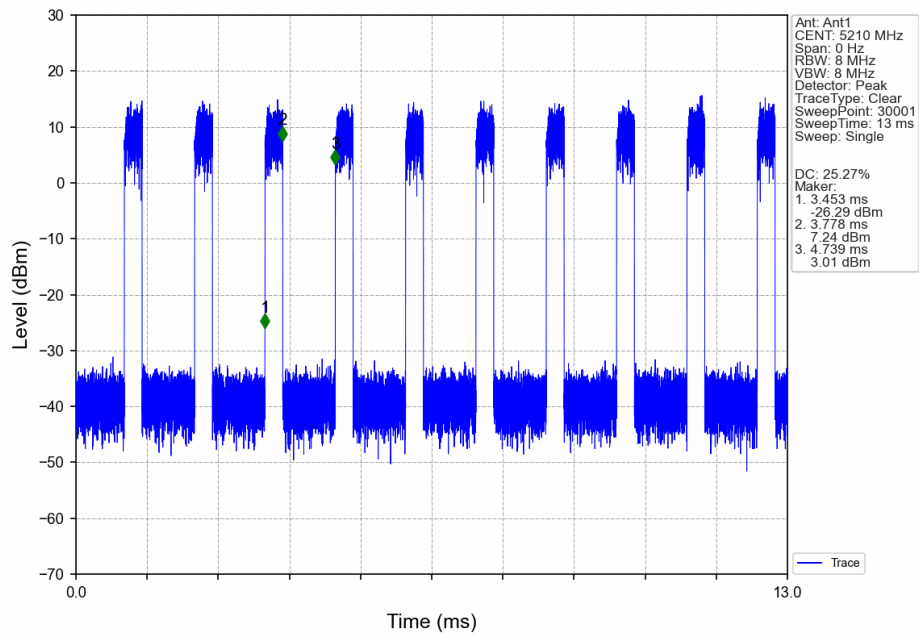
802.11ac(VHT40) LCH 5755MHz Ant0 NTN



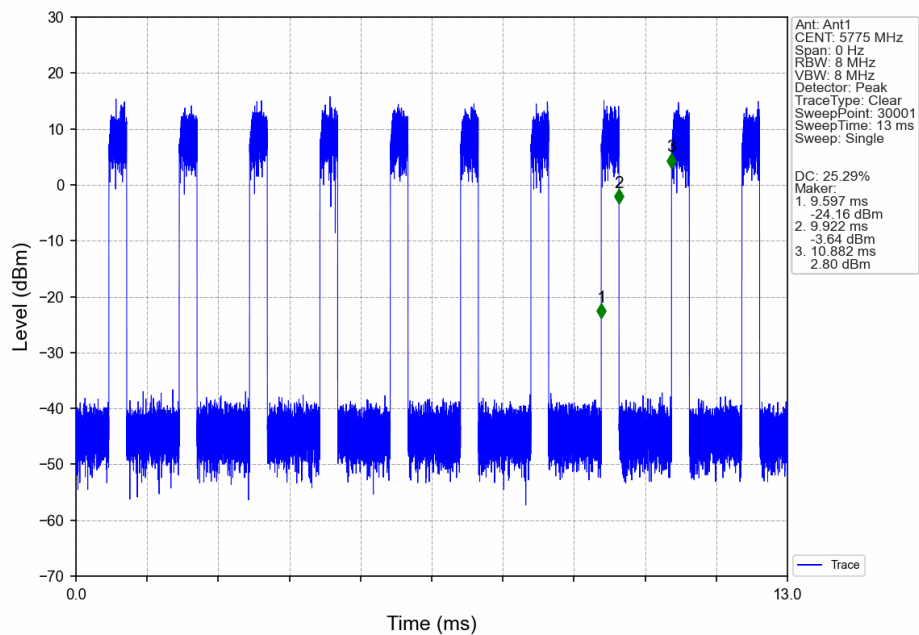
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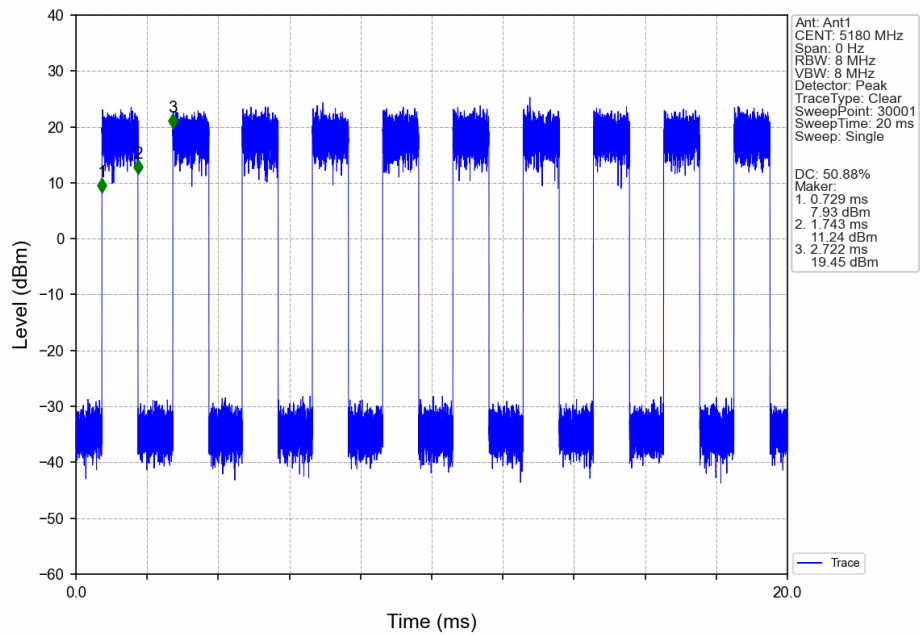
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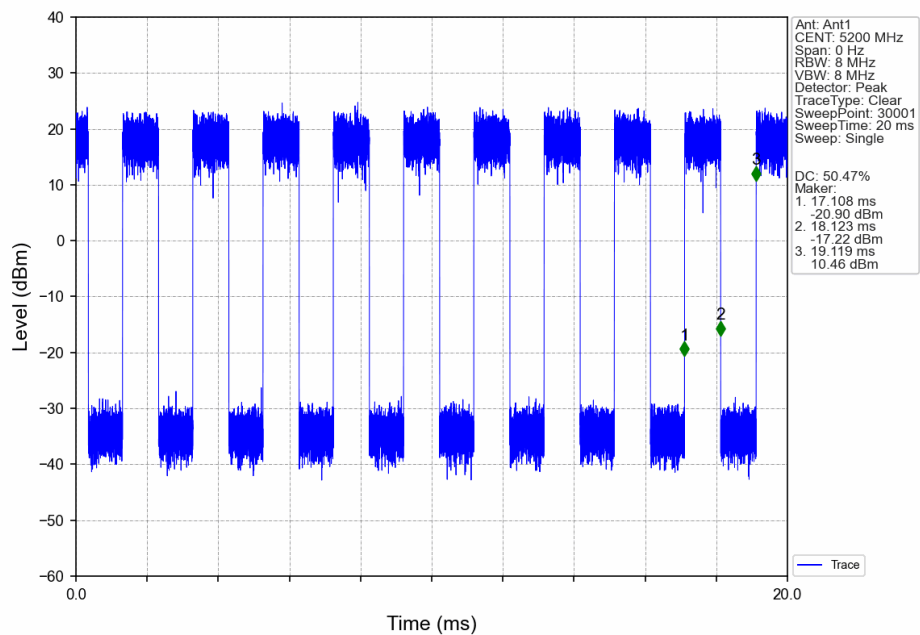
802.11ac(VHT80) MCH 5775MHz Ant0 NTN



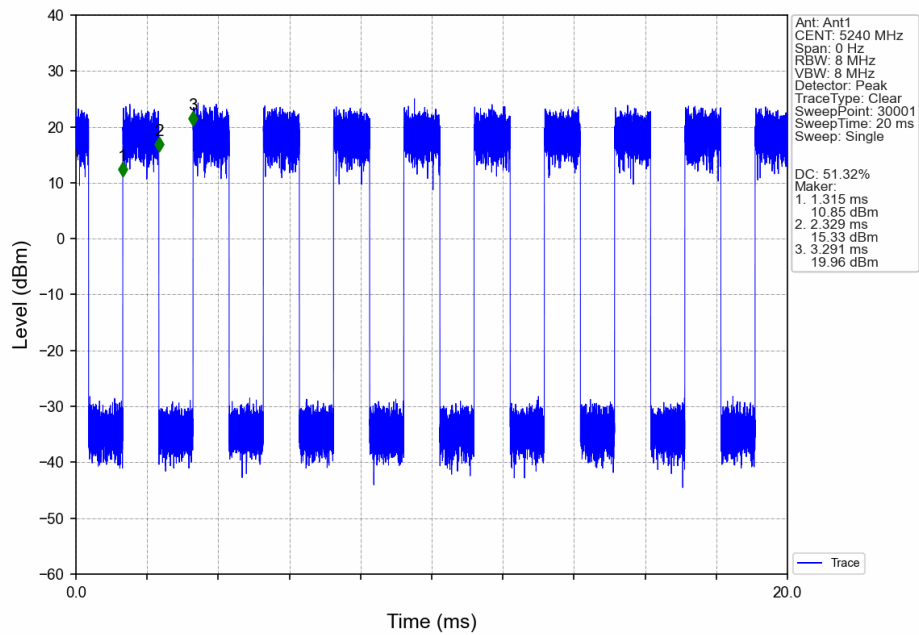
802.11ax(HEW20) LCH 5180MHz RU242 Left Ant0 NTN



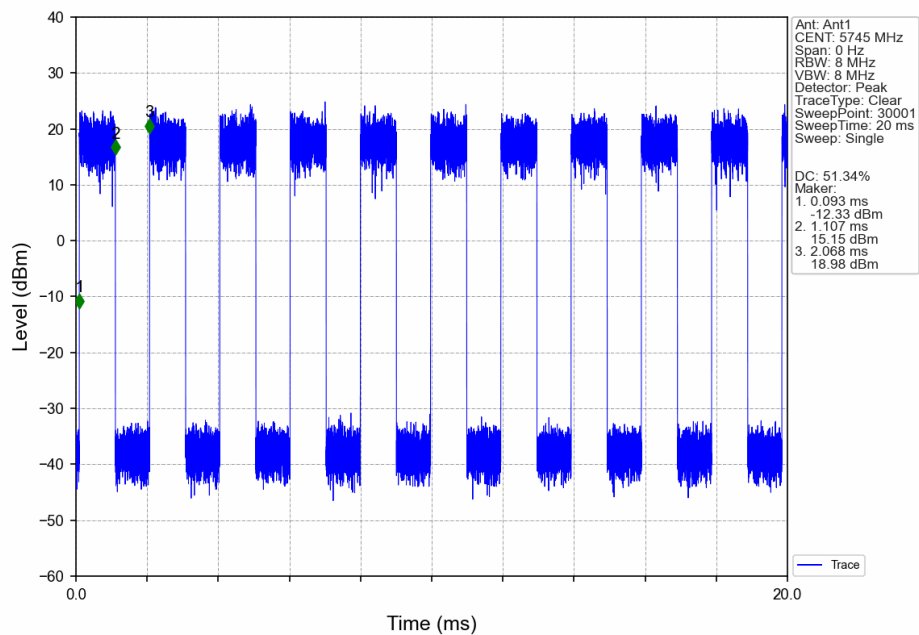
802.11ax(HEW20) MCH 5200MHz RU242 Left Ant0 NTN



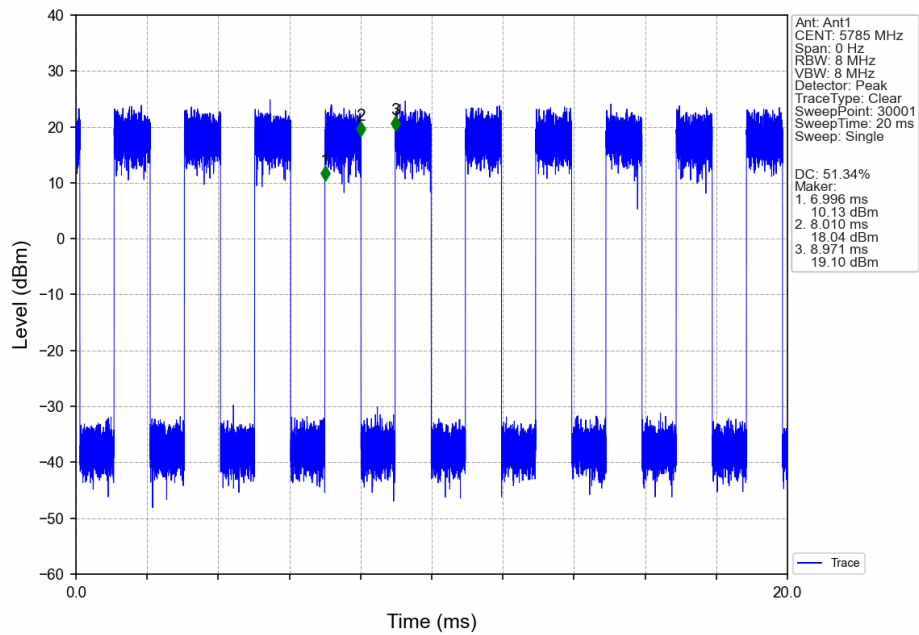
802.11ax(HEW20) HCH 5240MHz RU242 Left Ant0 NTN



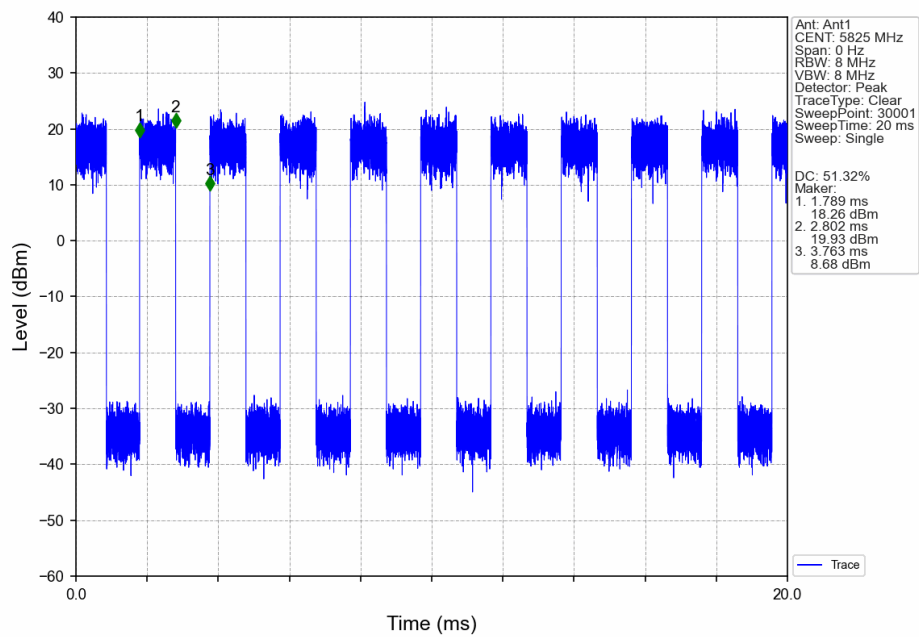
802.11ax(HEW20) LCH 5745MHz RU242 Left Ant0 NTN



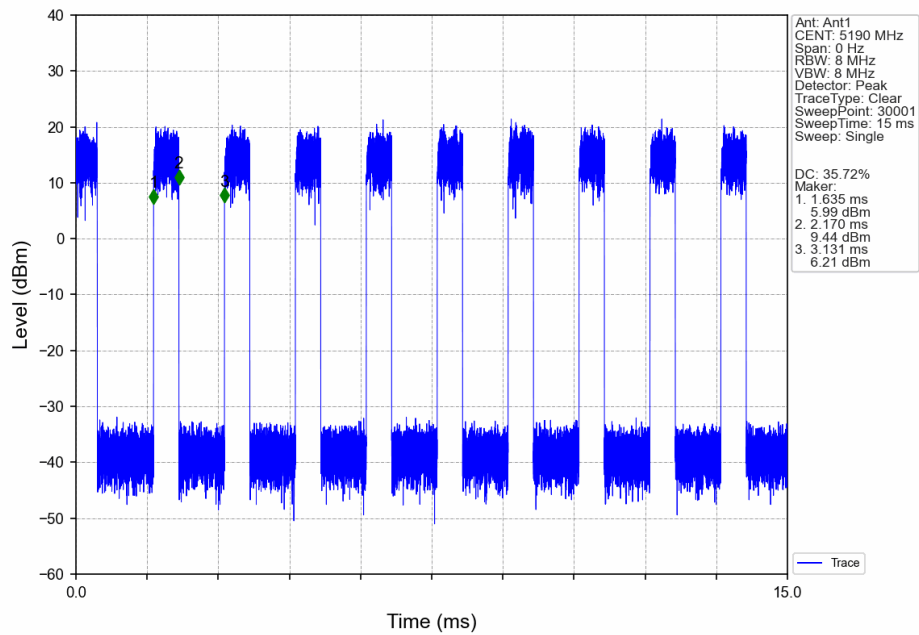
802.11ax(HEW20) MCH 5785MHz RU242 Left Ant0 NTN



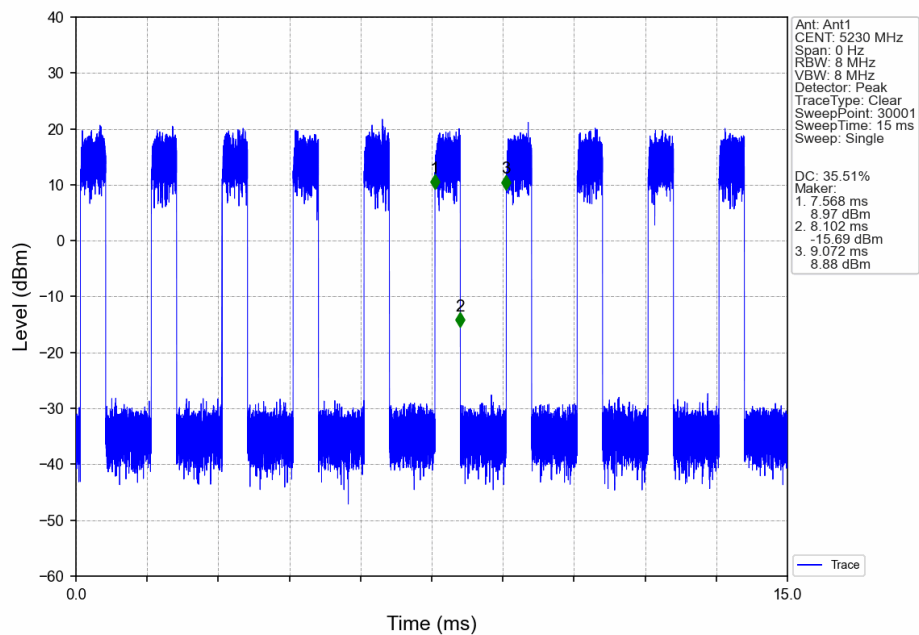
802.11ax(HEW20) HCH 5825MHz RU242 Left Ant0 NTN



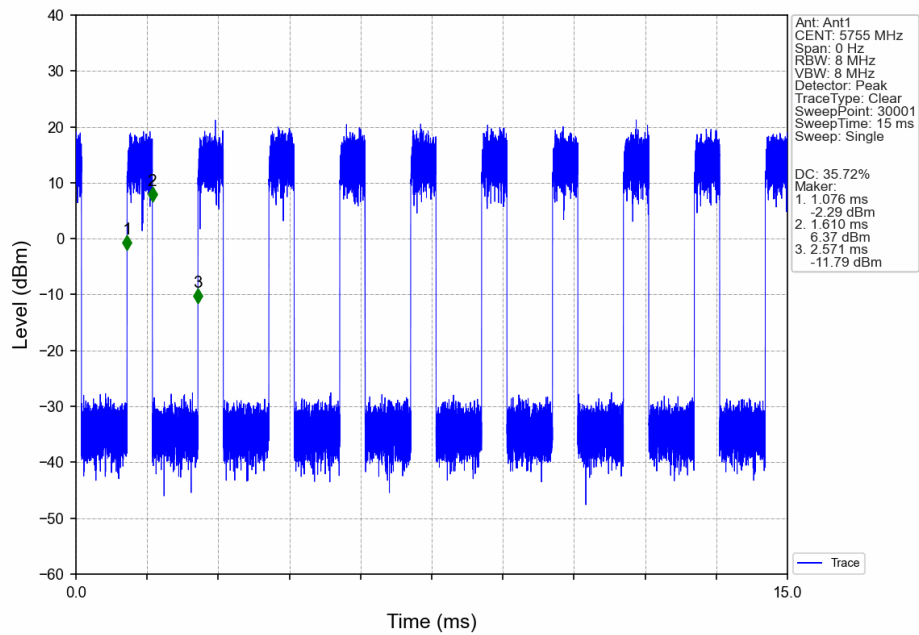
802.11ax(HEW40) LCH 5190MHz RU484 Left Ant0 NTN



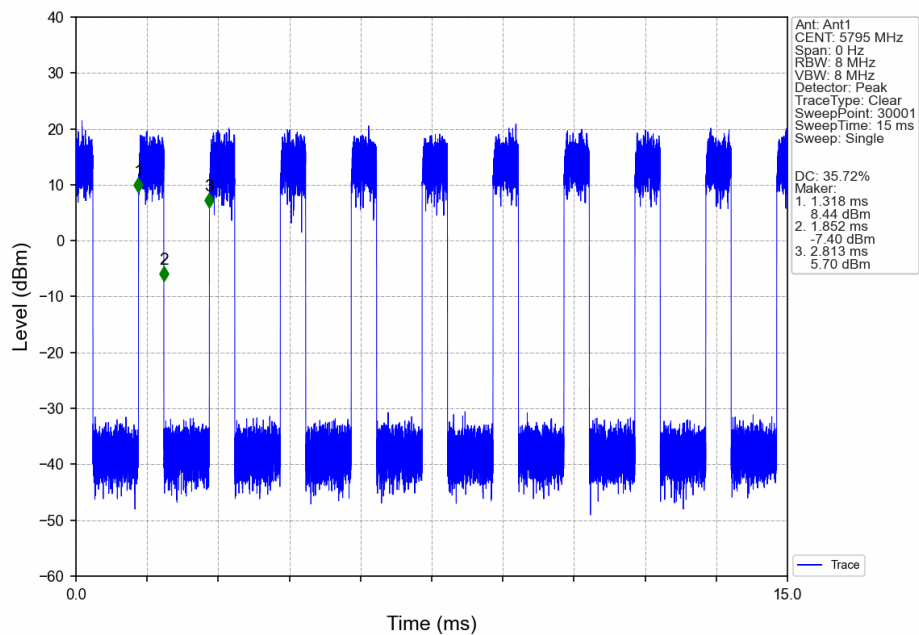
802.11ax(HEW40) HCH 5230MHz RU484 Left Ant0 NTN



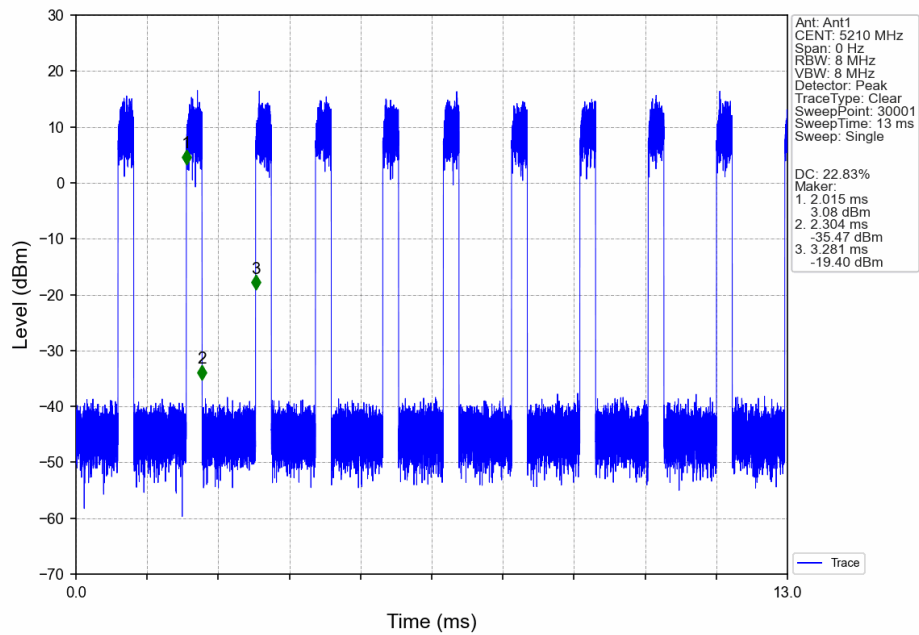
802.11ax(HEW40) LCH 5755MHz RU484 Left Ant0 NTN



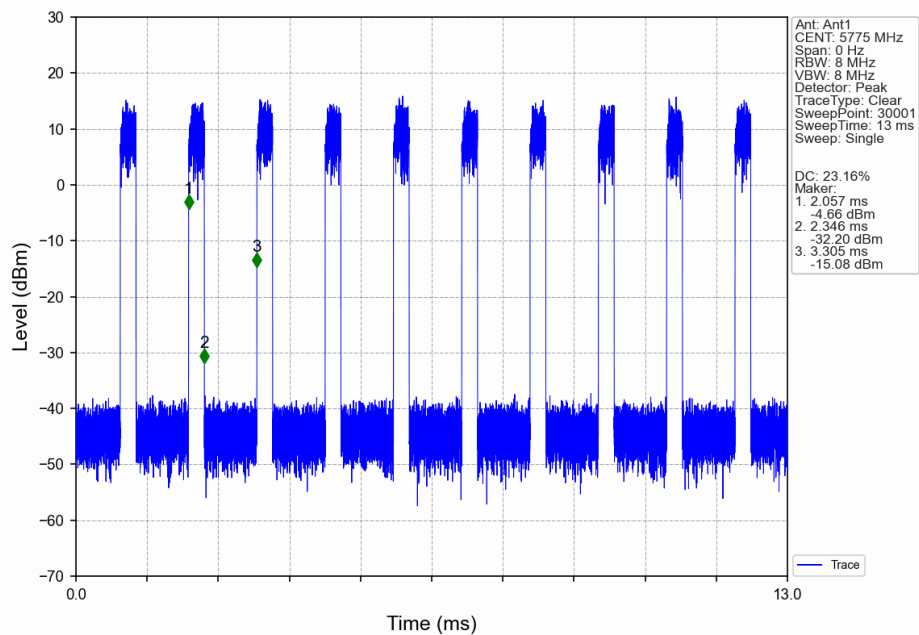
802.11ax(HEW40) HCH 5795MHz RU484 Left Ant0 NTN



802.11ax(HEW80) MCH 5210MHz RU996 Left Ant0 NTNv

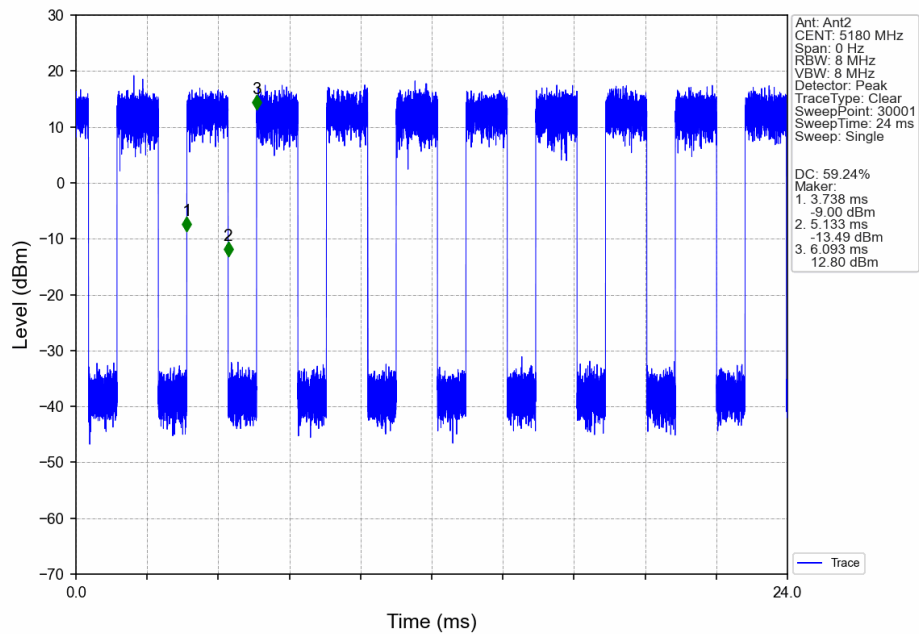


802.11ax(HEW80) MCH 5775MHz RU996 Left Ant0 NTNv

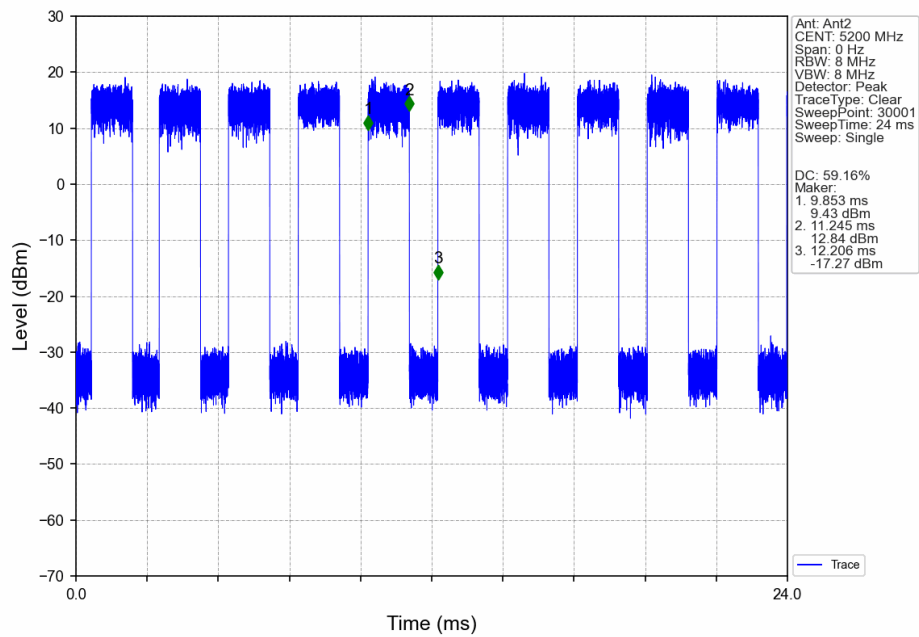


1.2.2 Ant1

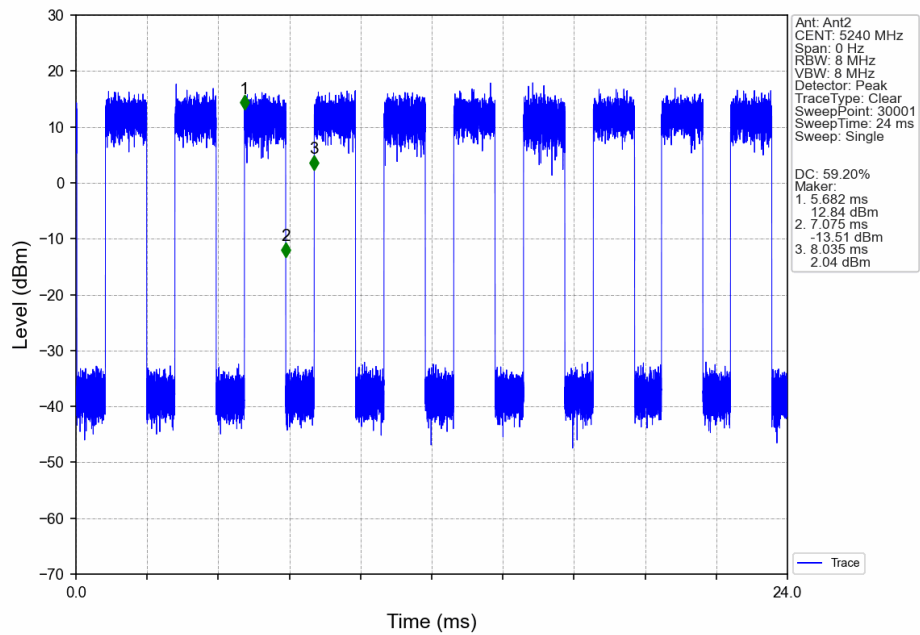
802.11a LCH 5180MHz Ant1 NTN



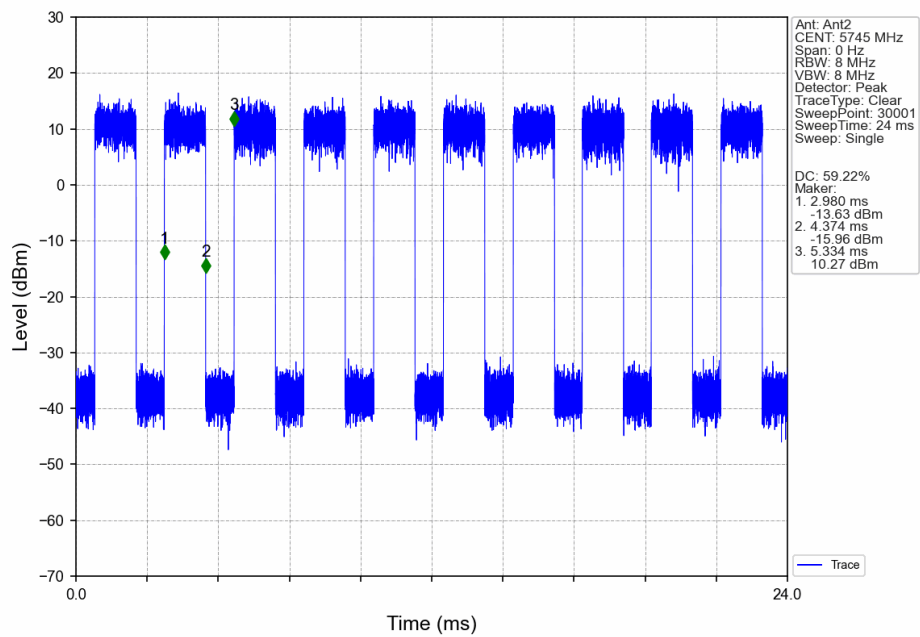
802.11a_MCH_5200MHz_Ant1 NTN



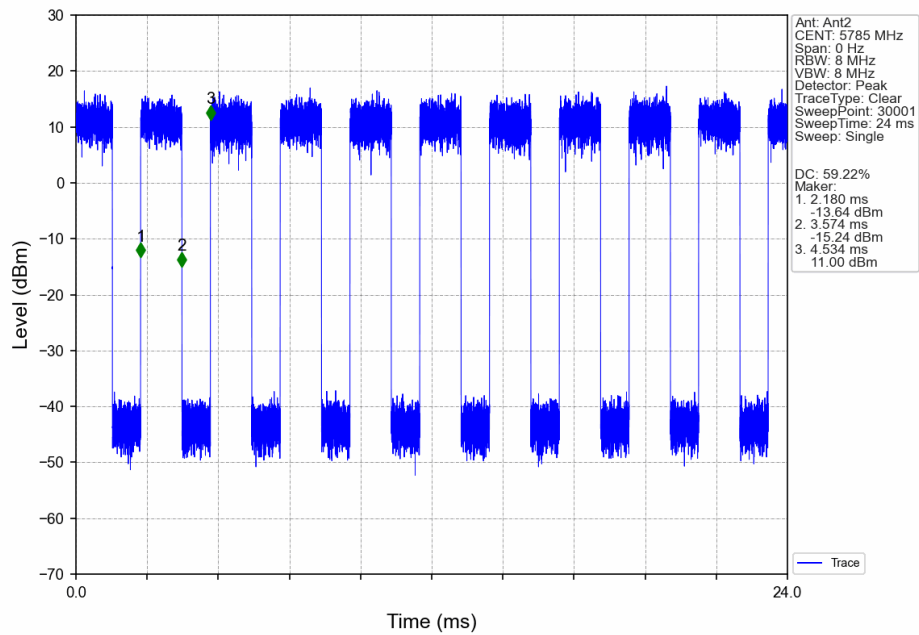
802.11a HCH 5240MHz Ant1 NTN



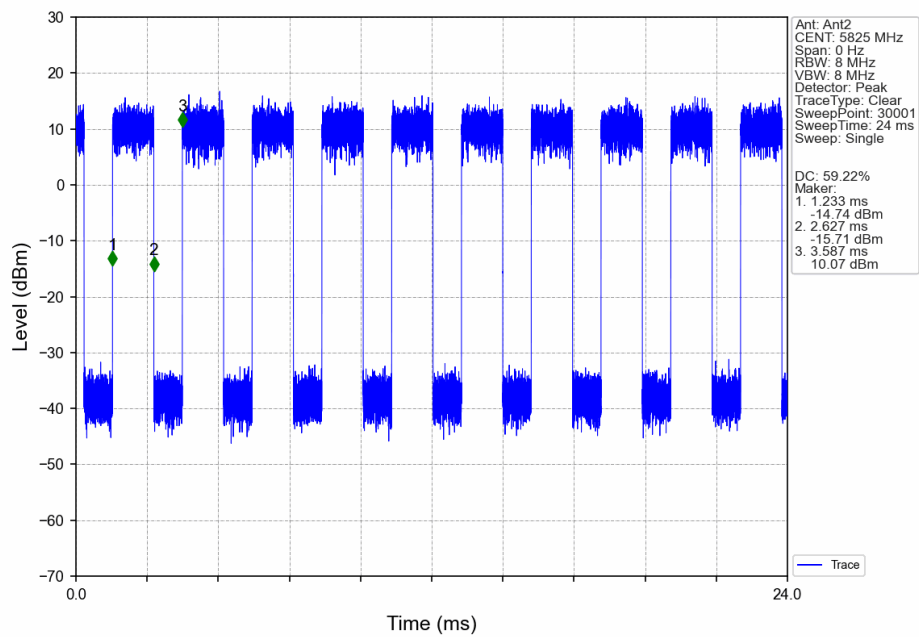
802.11a LCH 5745MHz Ant1 NTN



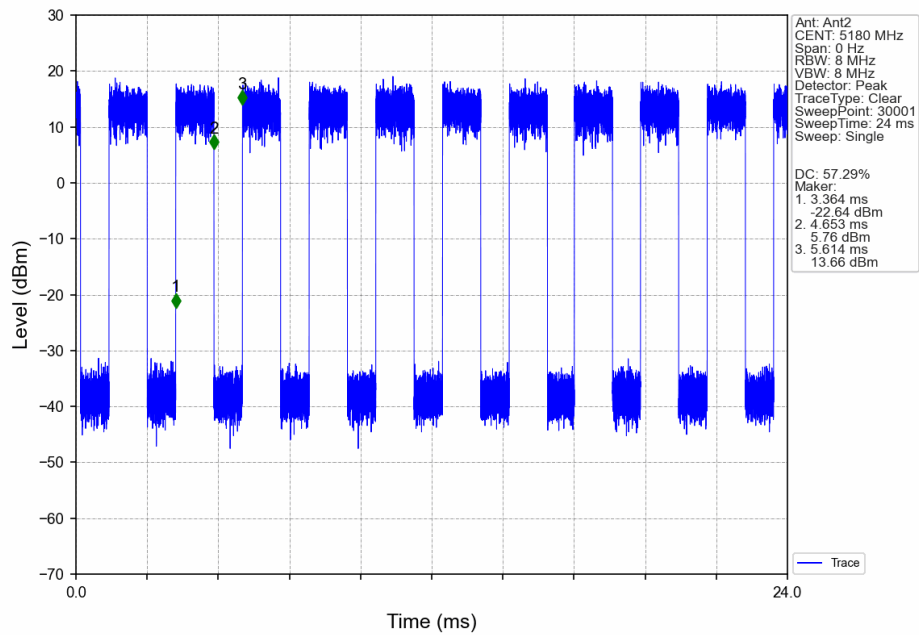
802.11a MCH 5785MHz Ant1 NTN



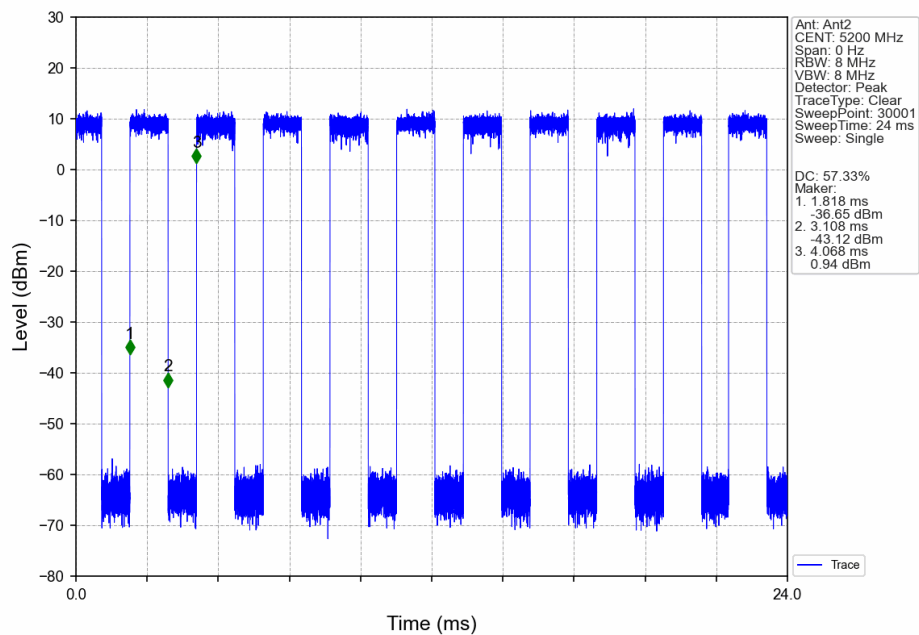
802.11a HCH 5825MHz Ant1 NTN



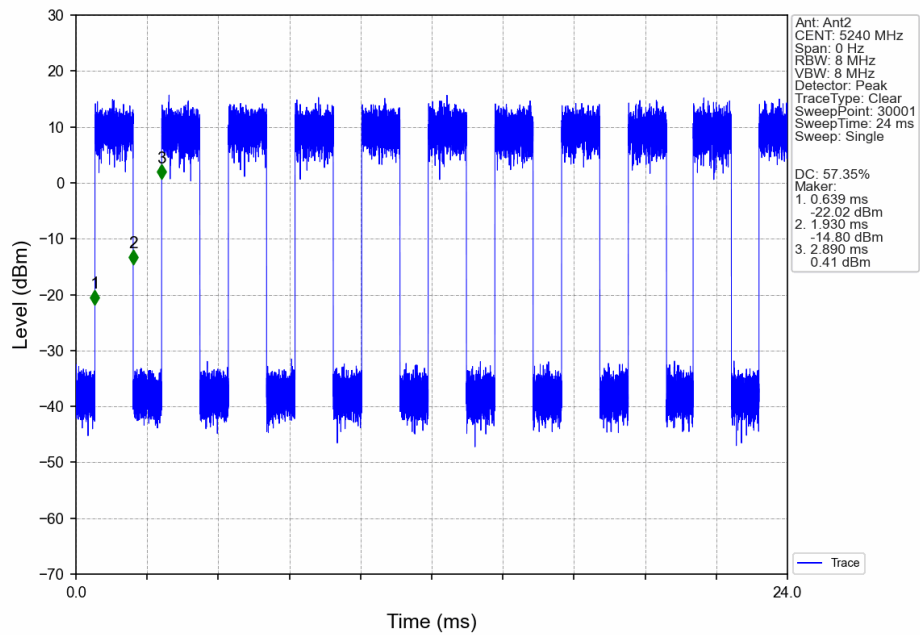
802.11n(HT20) LCH 5180MHz Ant1 NTN



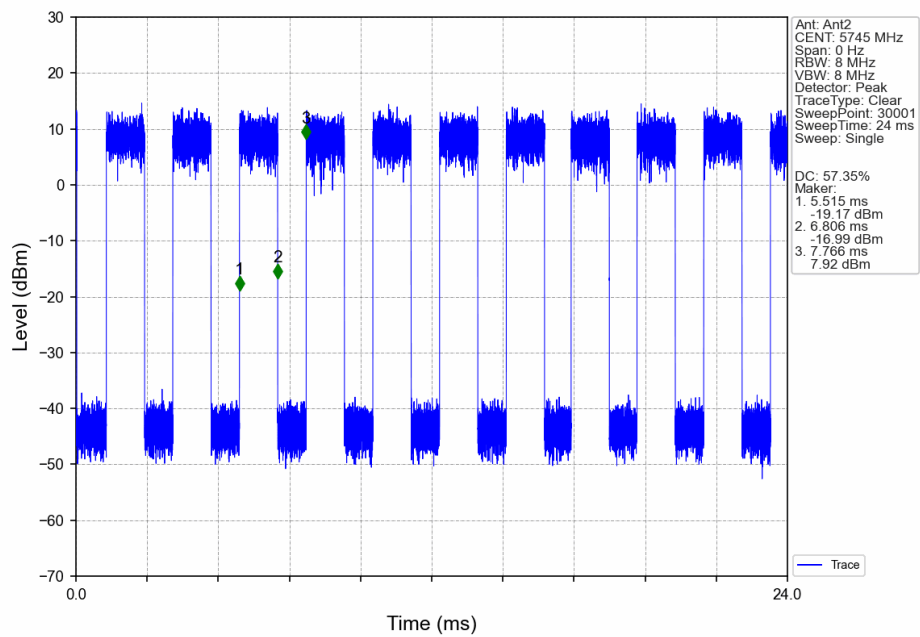
802.11n(HT20) MCH 5200MHz Ant1 NTN



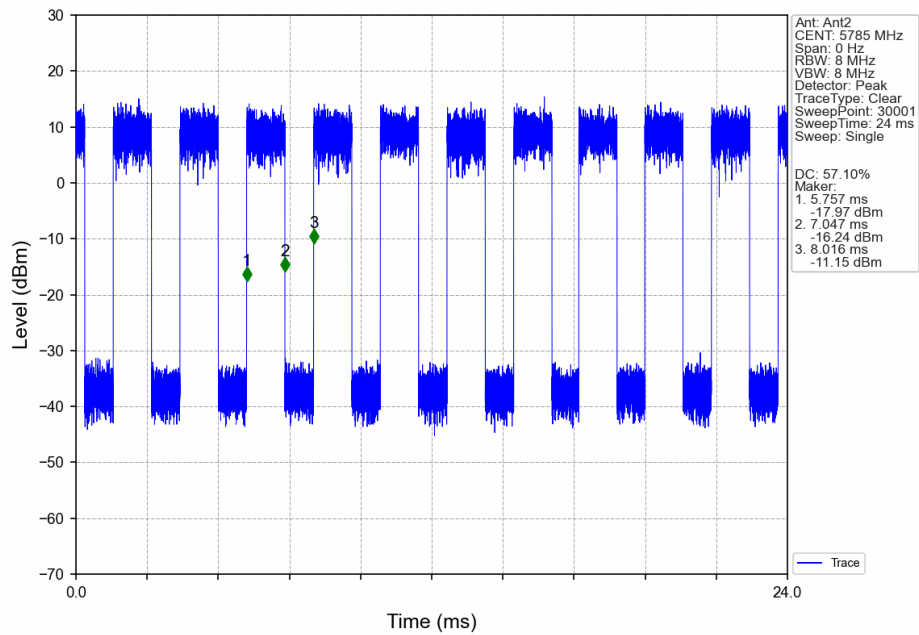
802.11n(HT20) HCH 5240MHz Ant1 NTN



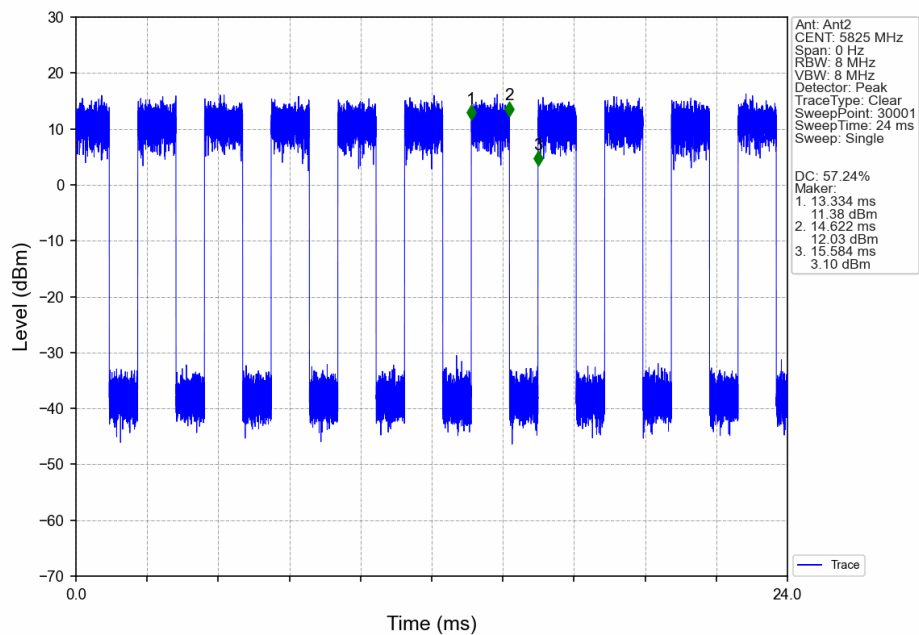
802.11n(HT20) LCH 5745MHz Ant1 NTN



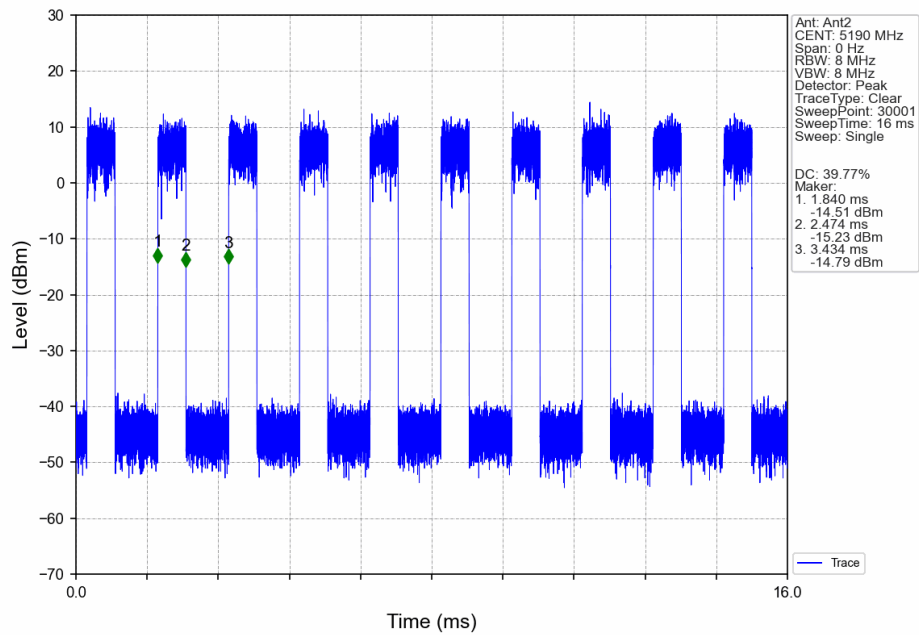
802.11n(HT20) MCH 5785MHz Ant1 NTN



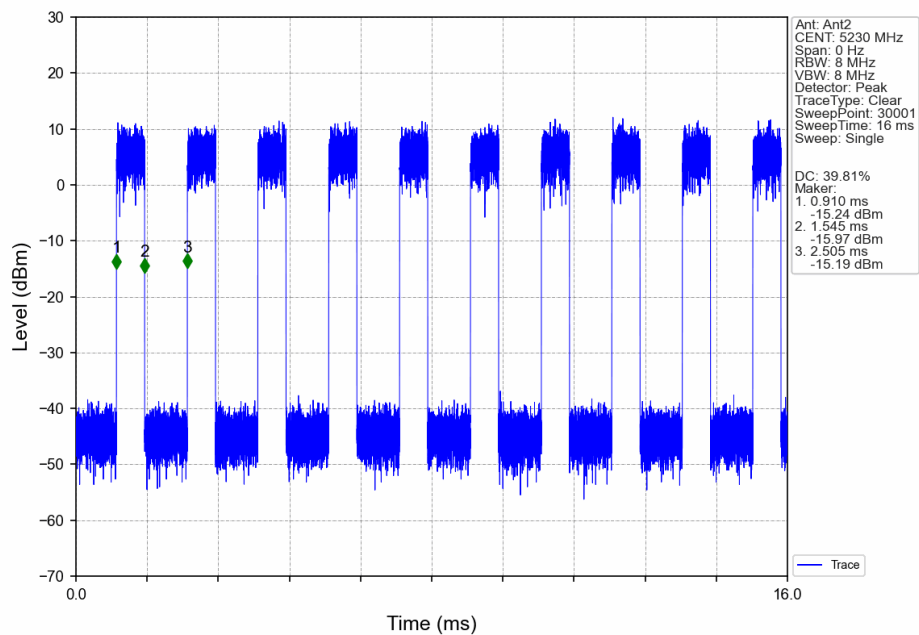
802.11n(HT20) HCH 5825MHz Ant1 NTN



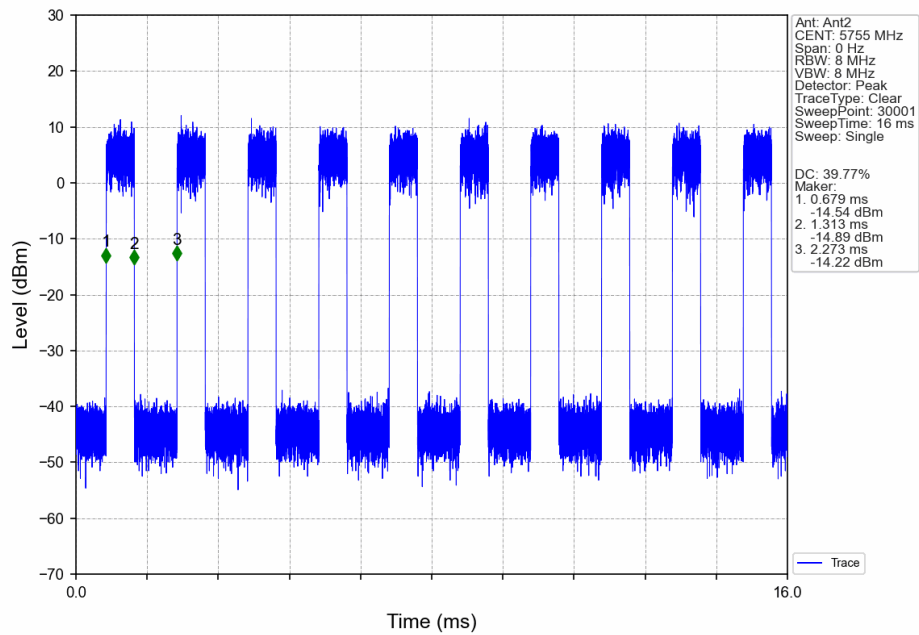
802.11n(HT40) LCH 5190MHz Ant1 NTN



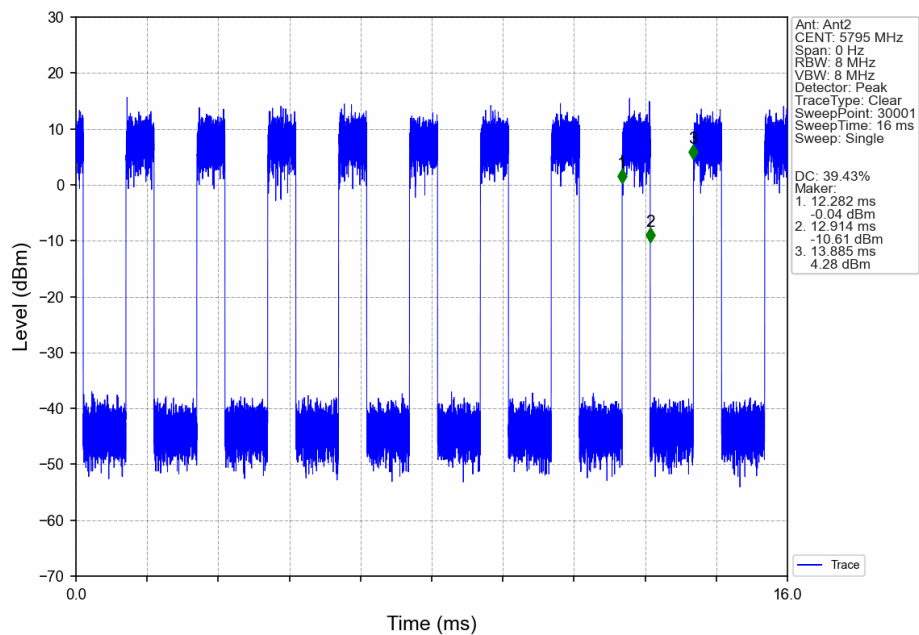
802.11n(HT40) HCH 5230MHz Ant1 NTN



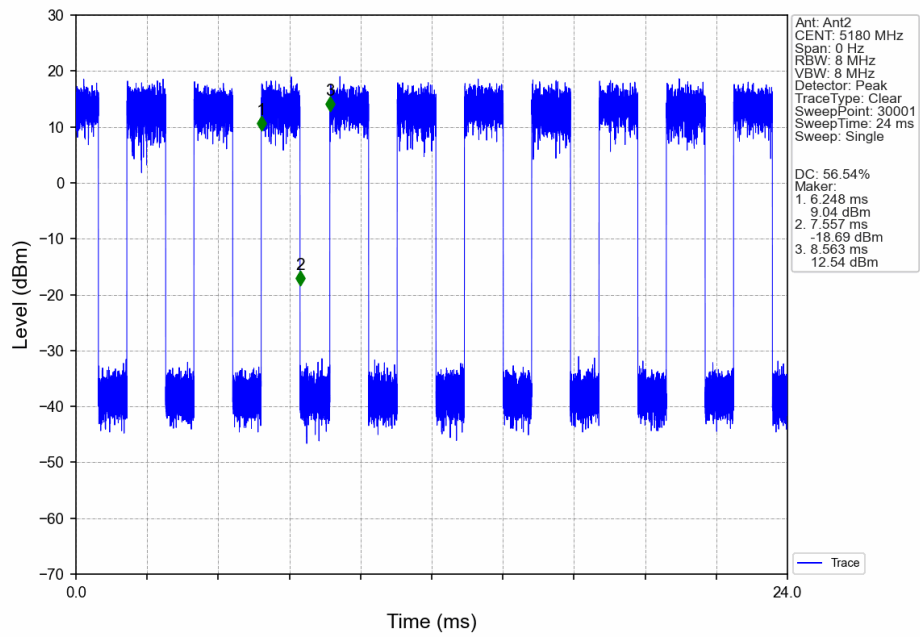
802.11n(HT40) LCH 5755MHz Ant1 NTV



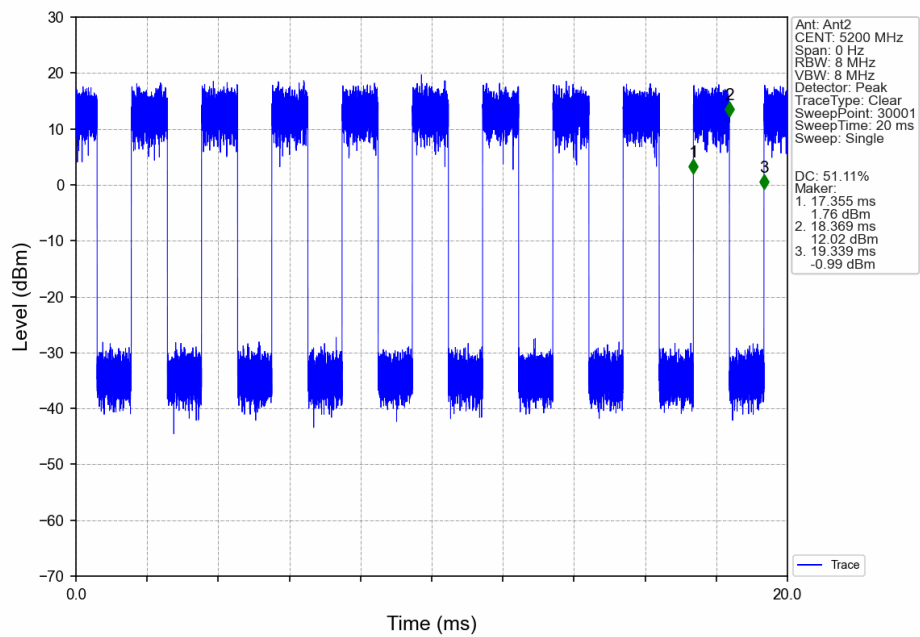
802.11n(HT40) HCH 5795MHz Ant1 NTV



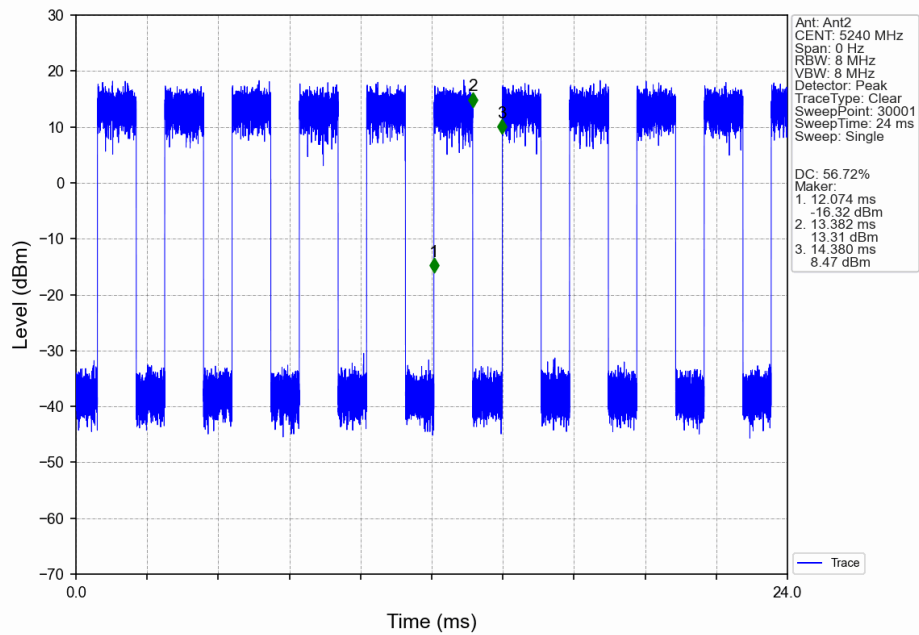
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



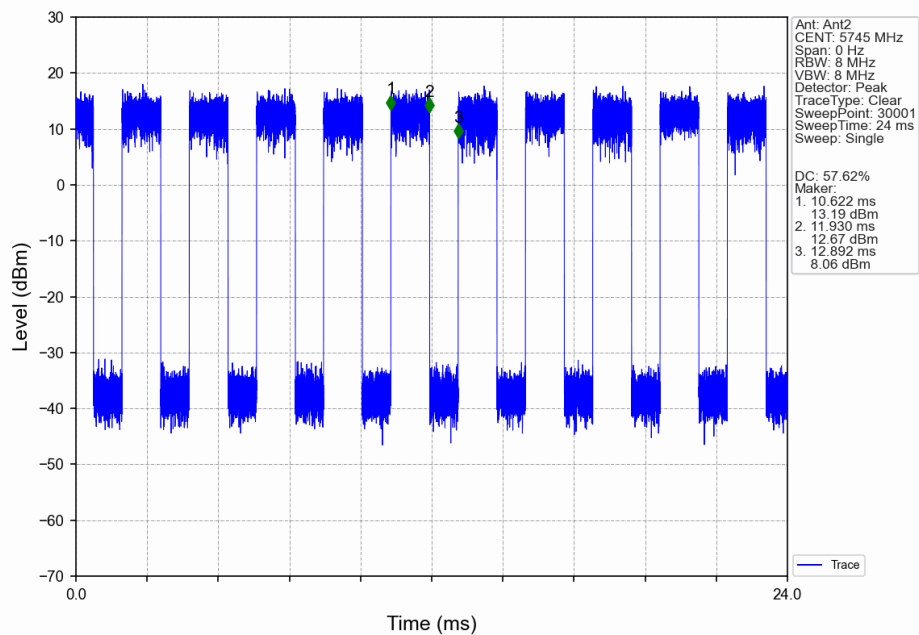
802.11ac(VHT20) MCH 5200MHz Ant1 NTN



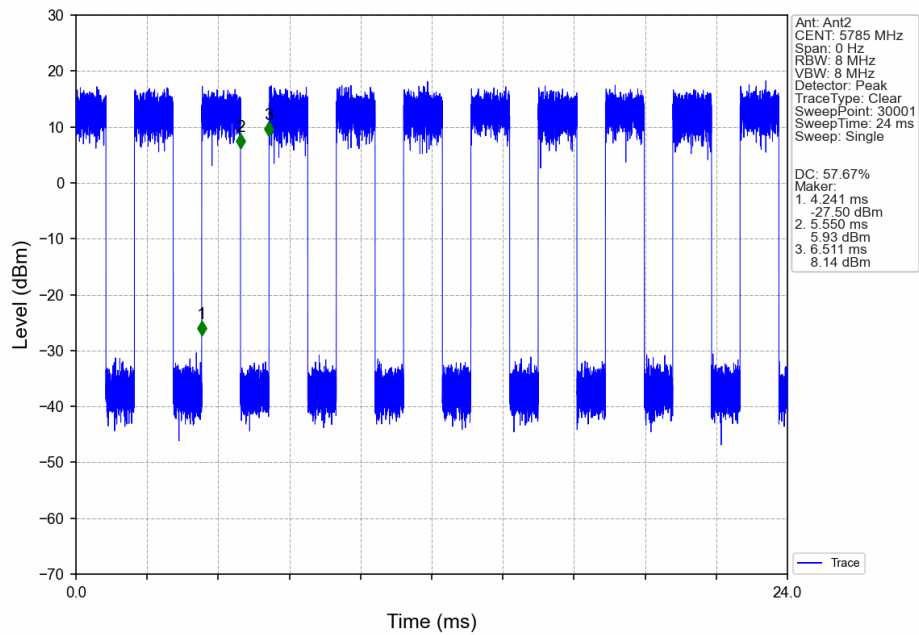
802.11ac(VHT20) HCH 5240MHz Ant1 NTV



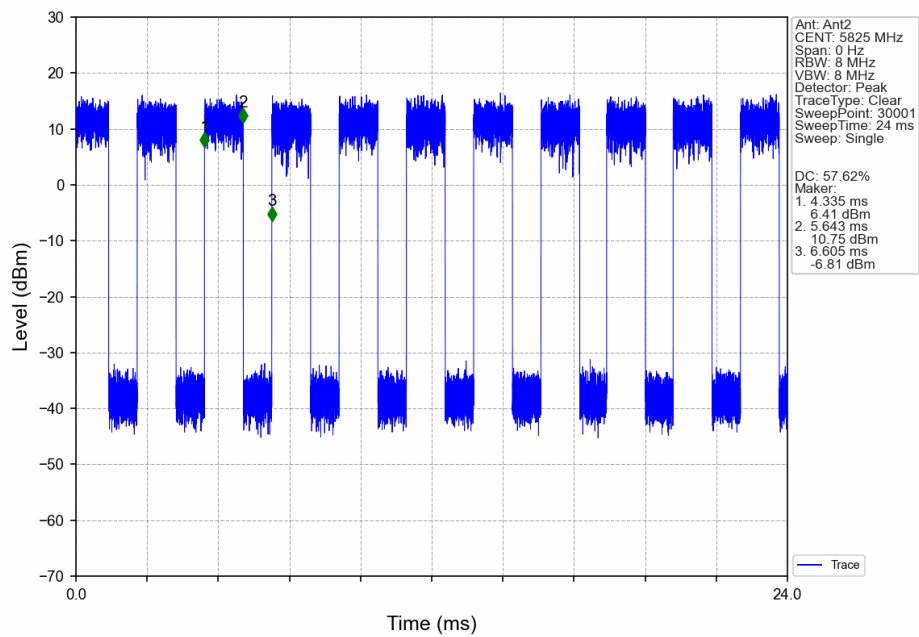
802.11ac(VHT20) LCH 5745MHz Ant1 NTV



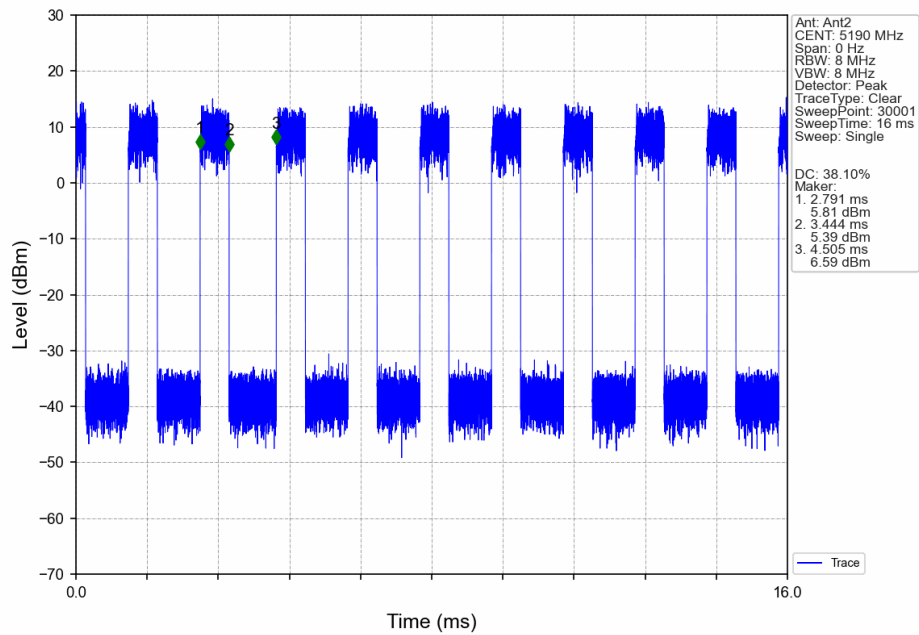
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



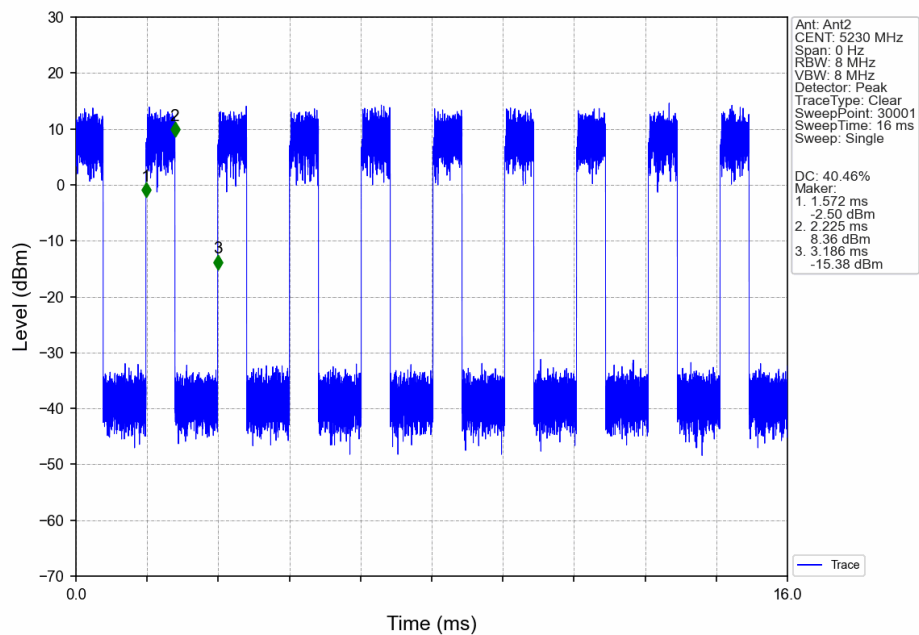
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



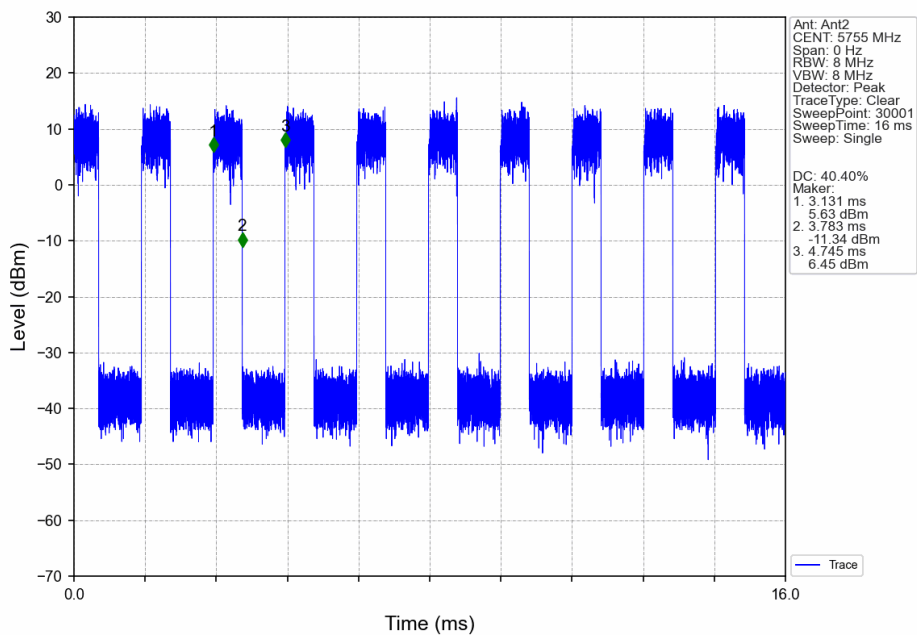
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



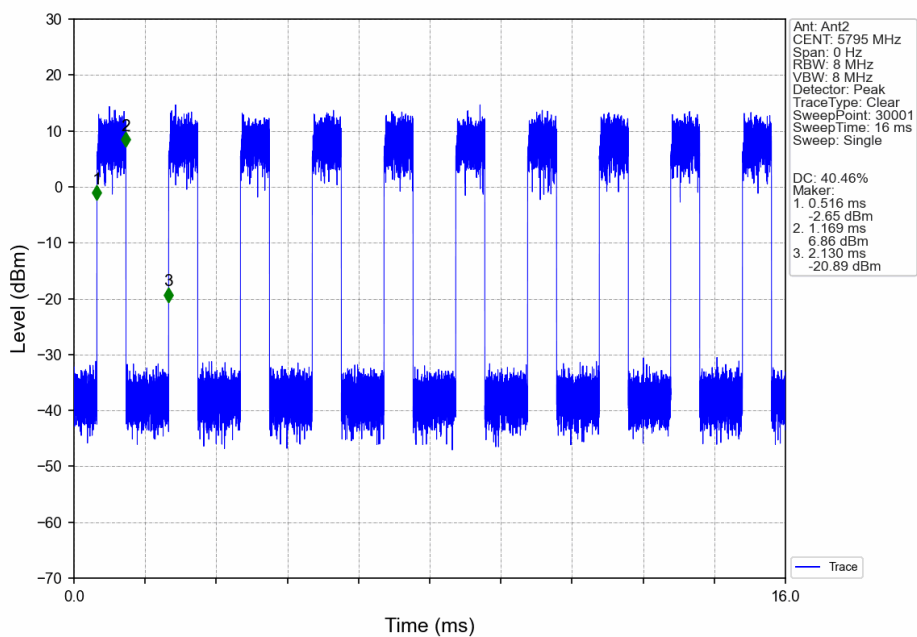
802.11ac(VHT40) HCH 5230MHz Ant1 NTN



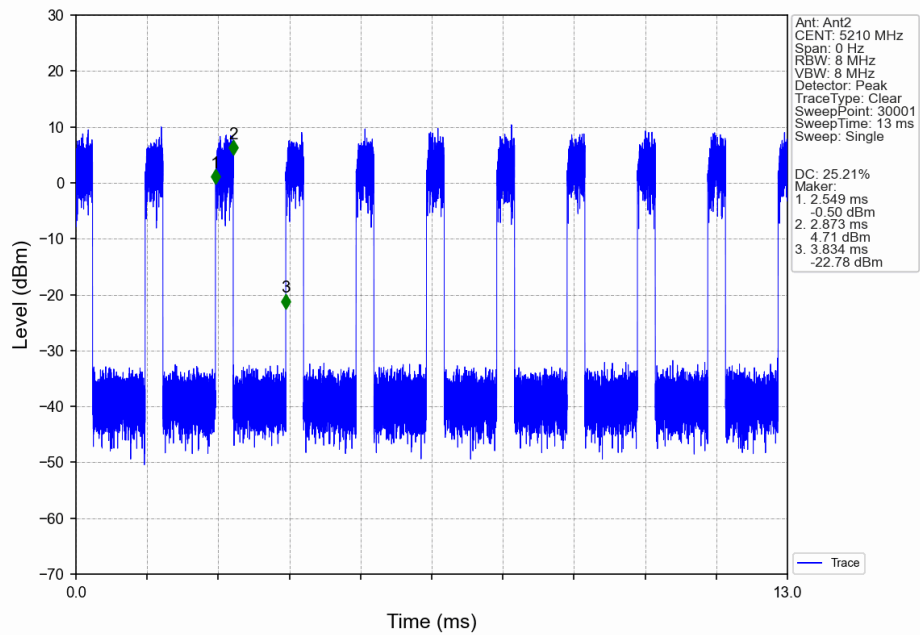
802.11ac(VHT40) LCH 5755MHz Ant1 NTN



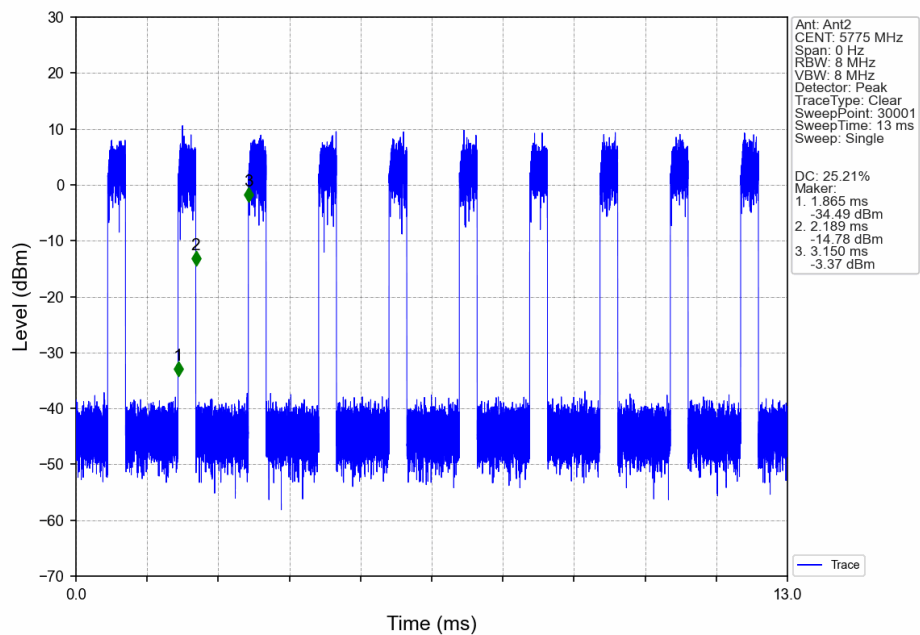
802.11ac(VHT40) HCH 5795MHz Ant1 NTN



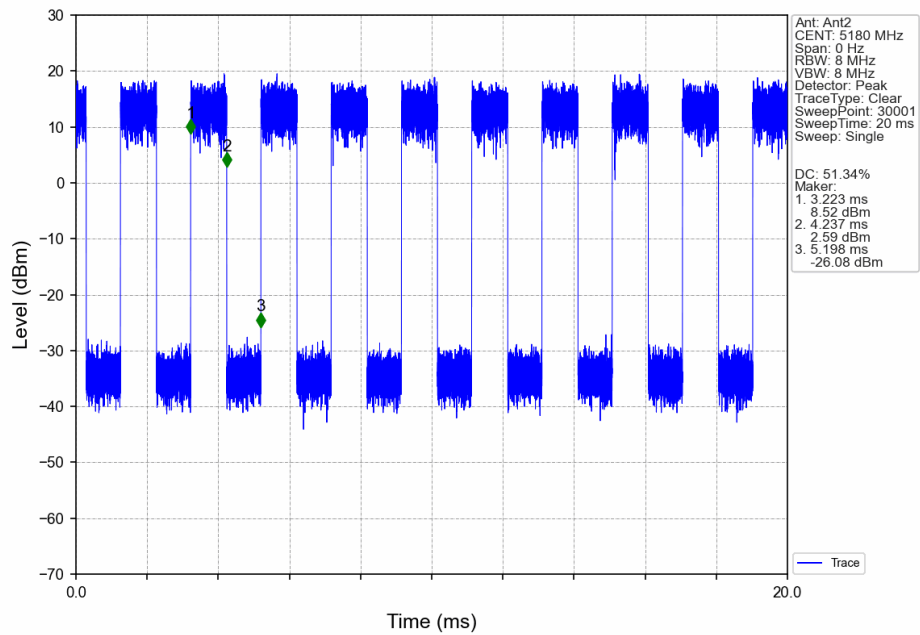
802.11ac(VHT80) MCH 5210MHz Ant1 NTN



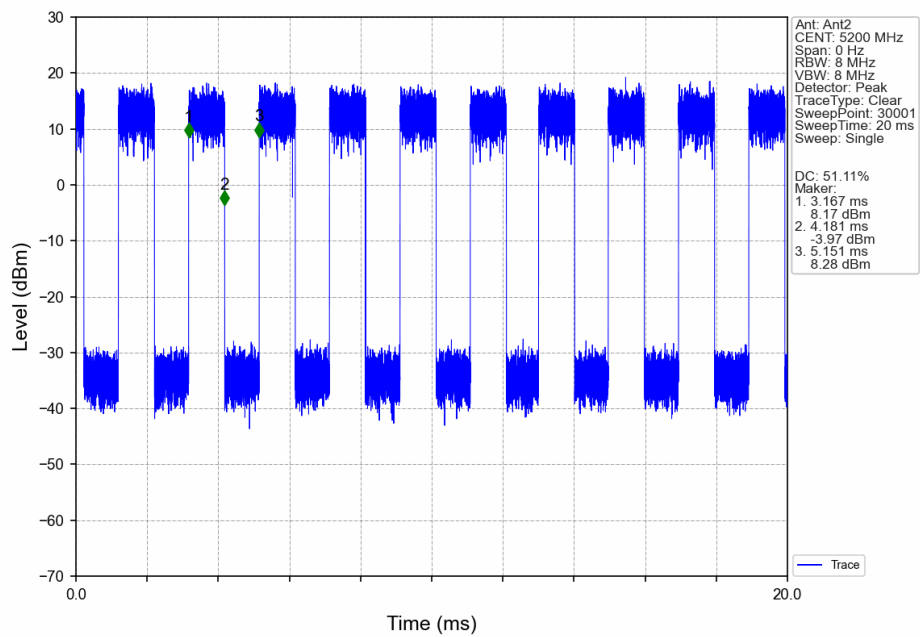
802.11ac(VHT80) MCH 5775MHz Ant1 NTN



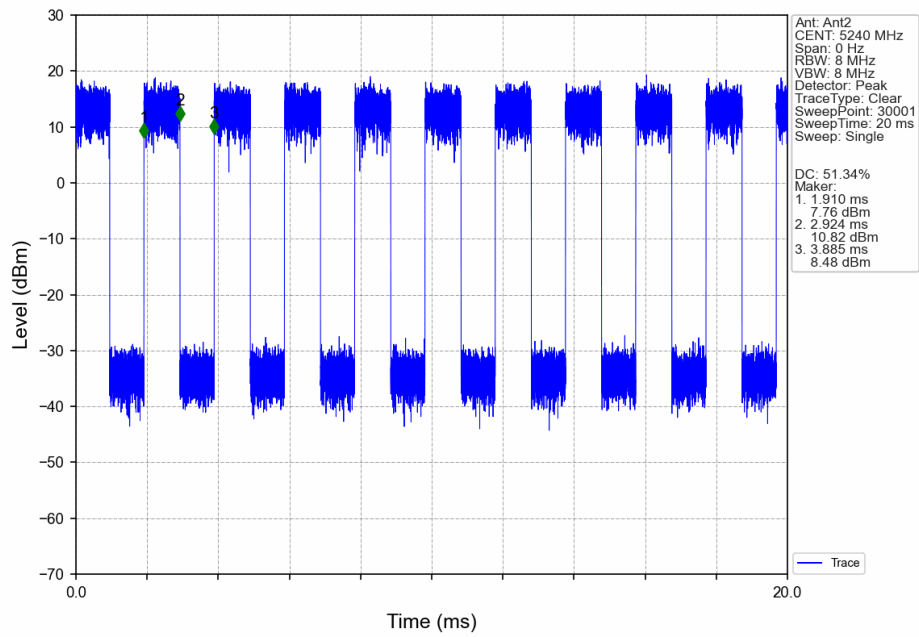
802.11ax(HEW20) LCH 5180MHz RU242 Left Ant1 NTN



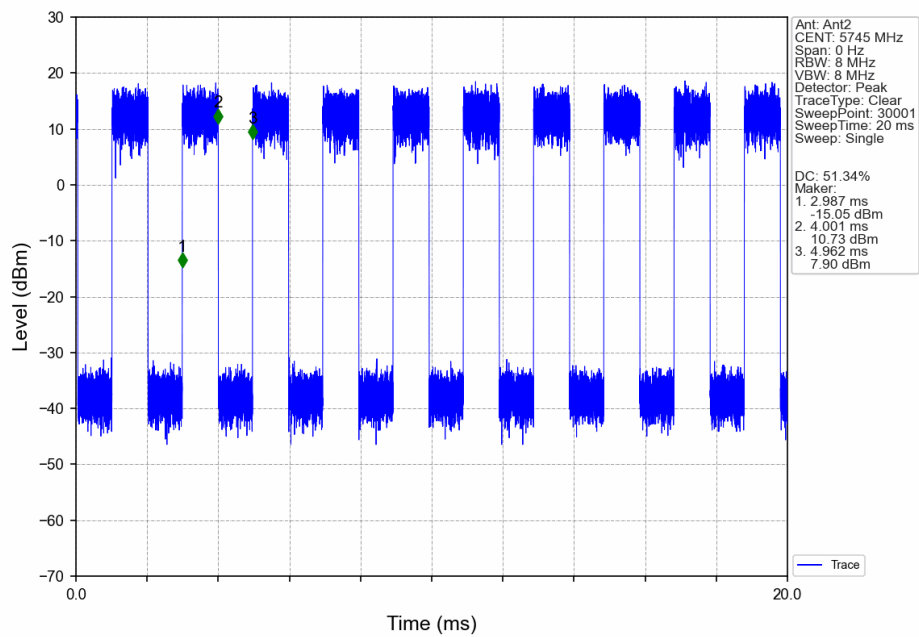
802.11ax(HEW20) MCH 5200MHz RU242 Left Ant1 NTN



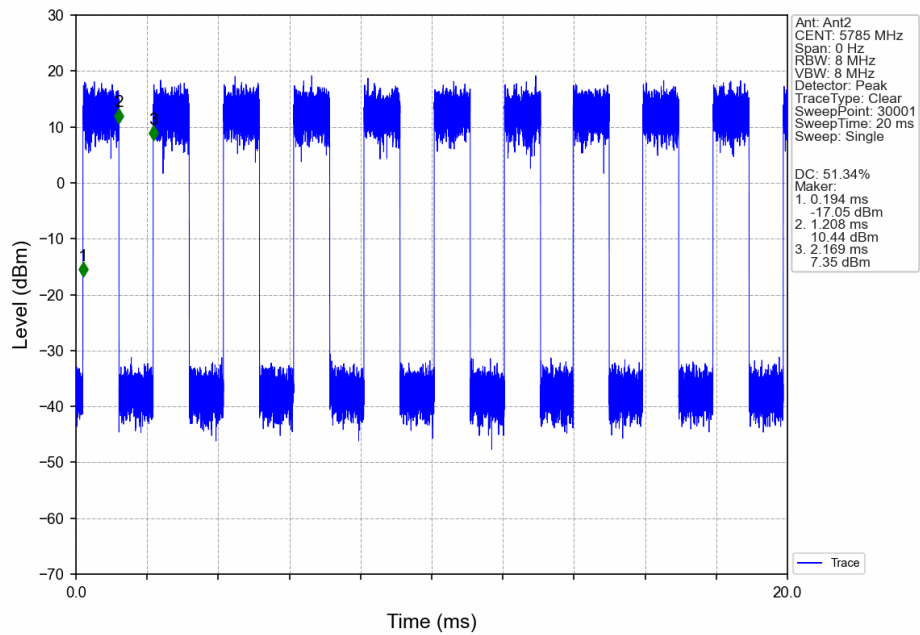
802.11ax(HEW20) HCH 5240MHz RU242 Left Ant1 NTN



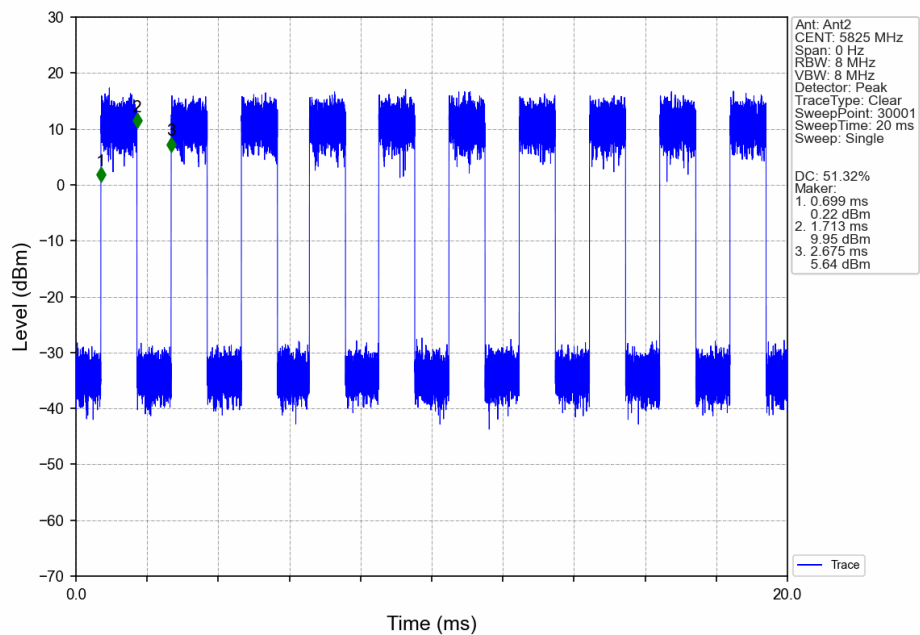
802.11ax(HEW20) LCH 5745MHz RU242 Left Ant1 NTN



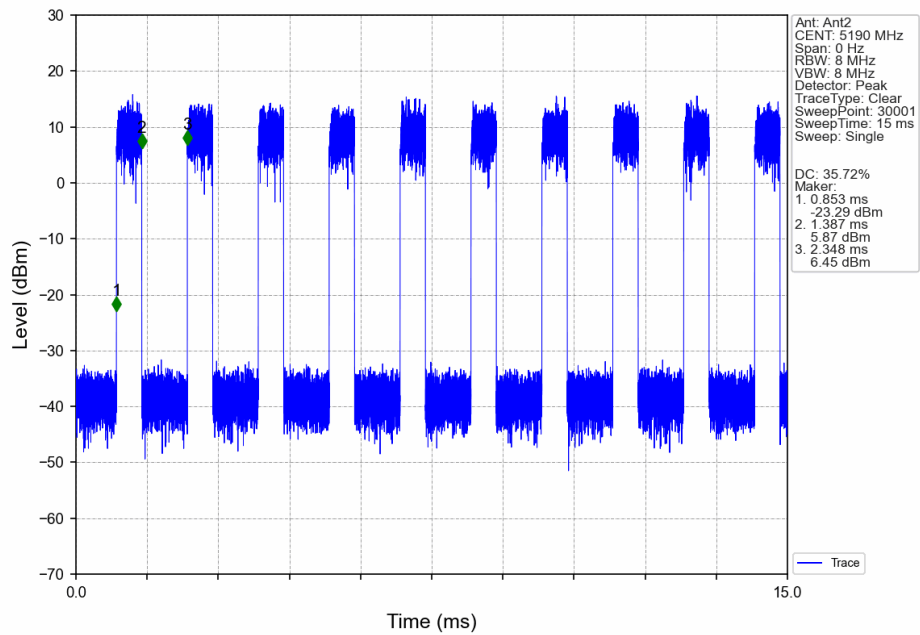
802.11ax(HEW20) MCH 5785MHz RU242 Left Ant1 NTN



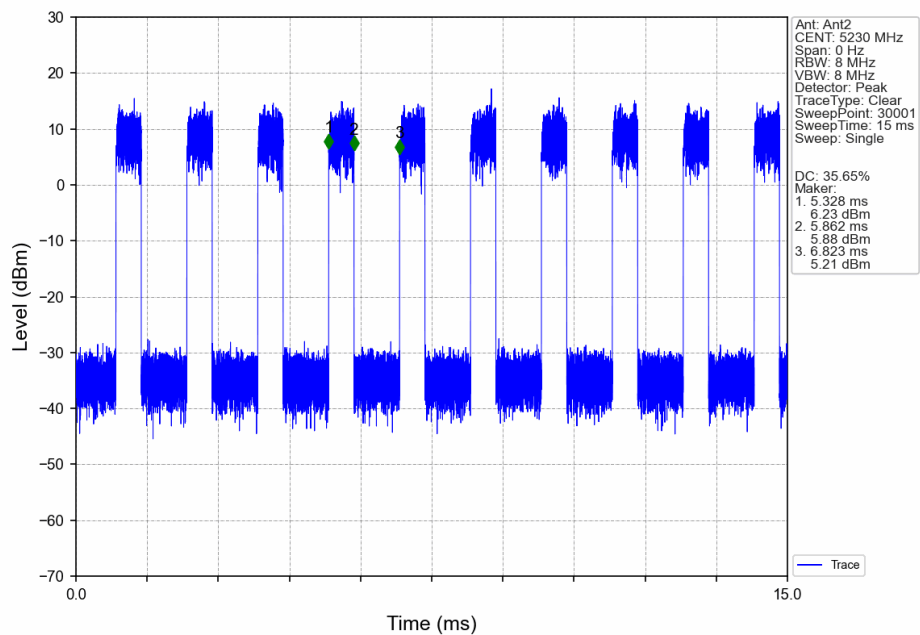
802.11ax(HEW20) HCH 5825MHz RU242 Left Ant1 NTN



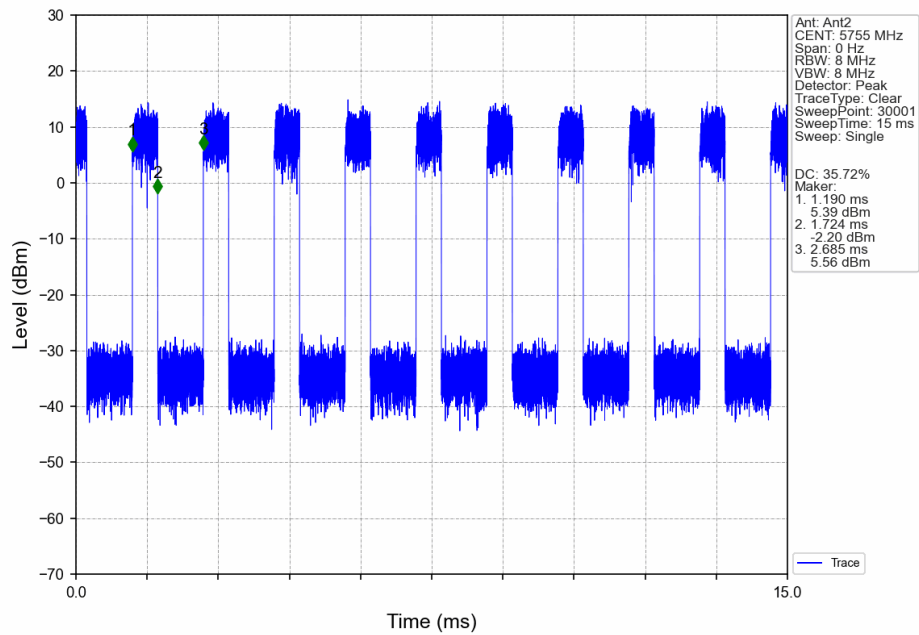
802.11ax(HEW40) LCH 5190MHz RU484 Left Ant1 NTN



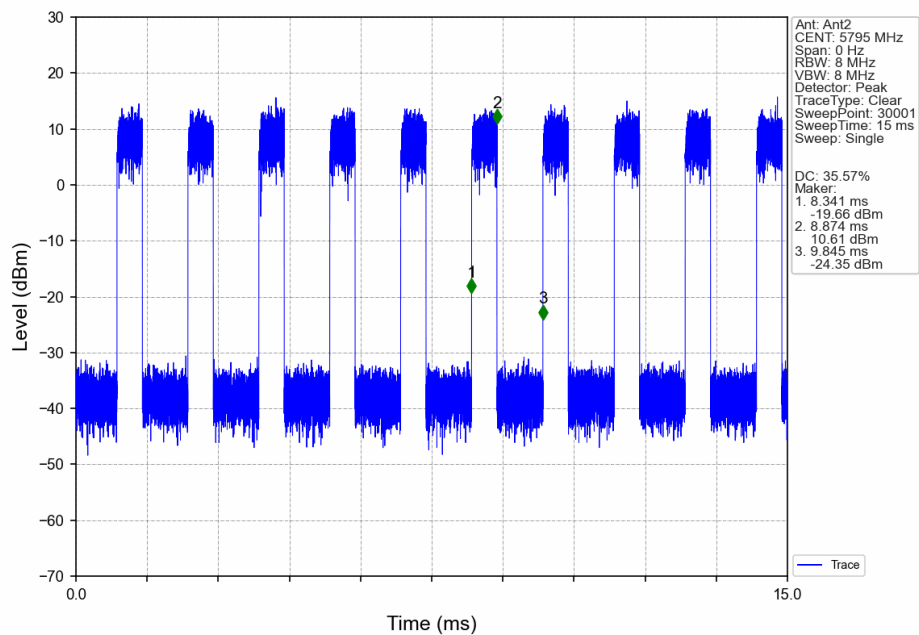
802.11ax(HEW40) HCH 5230MHz RU484 Left Ant1 NTN



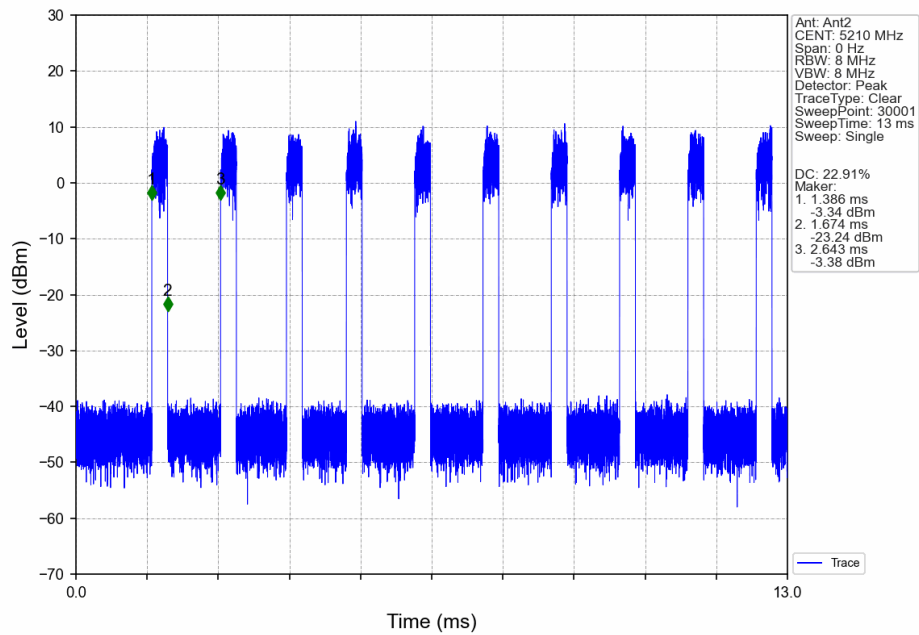
802.11ax(HEW40) LCH 5755MHz RU484 Left Ant1 NTN



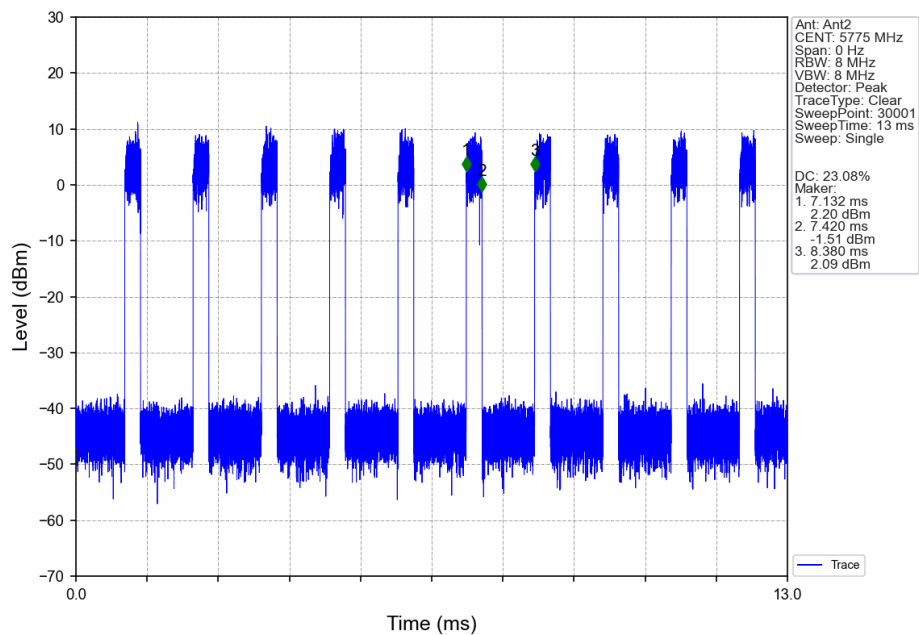
802.11ax(HEW40) HCH 5795MHz RU484 Left Ant1 NTN



802.11ax(HEW80) MCH 5210MHz RU996 Left Ant1 NTNv



802.11ax(HEW80) MCH 5775MHz RU996 Left Ant1 NTNv



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	0	17.288	/	Pass
					1	17.381	/	Pass
		5200	/	/	0	17.446	/	Pass
					1	17.189	/	Pass
		5240	/	/	0	17.357	/	Pass
					1	17.492	/	Pass
		5745	/	/	0	17.215	/	Pass
					1	17.456	/	Pass
		5785	/	/	0	17.255	/	Pass
					1	17.312	/	Pass
		5825	/	/	0	17.270	/	Pass
					1	17.440	/	Pass
802.11n (HT20)	MIMO	5180	/	/	0	17.946	/	Pass
					1	17.718	/	Pass
		5200	/	/	0	18.246	/	Pass
					1	18.006	/	Pass
		5240	/	/	0	18.015	/	Pass
					1	17.720	/	Pass
		5745	/	/	0	17.942	/	Pass
					1	17.803	/	Pass
		5785	/	/	0	18.000	/	Pass
					1	17.716	/	Pass
		5825	/	/	0	18.211	/	Pass
					1	18.023	/	Pass
802.11n (HT40)	MIMO	5190	/	/	0	36.186	/	Pass
					1	36.209	/	Pass
		5230	/	/	0	36.231	/	Pass
					1	36.122	/	Pass
		5755	/	/	0	36.147	/	Pass
					1	36.265	/	Pass
		5795	/	/	0	36.575	/	Pass
					1	36.616	/	Pass
802.11ac (VHT20)	MIMO	5180	/	/	0	18.179	/	Pass
					1	17.829	/	Pass
		5200	/	/	0	18.922	/	Pass
					1	18.886	/	Pass
		5240	/	/	0	18.142	/	Pass
					1	17.850	/	Pass
		5745	/	/	0	17.997	/	Pass
					1	17.855	/	Pass
		5785	/	/	0	18.090	/	Pass
					1	17.791	/	Pass
		5825	/	/	0	18.040	/	Pass
					1	17.835	/	Pass
802.11ac (VHT40)	MIMO	5190	/	/	0	36.433	/	Pass
					1	36.438	/	Pass
		5230	/	/	0	36.365	/	Pass

		5755	/	/	1	36.466	/	Pass
					0	36.386	/	Pass
		5795	/	/	1	36.405	/	Pass
					0	36.385	/	Pass
					1	36.299	/	Pass
					0	36.424	/	Pass
802.11ac (VHT80)	MIMO	5210	/	/	1	76.640	/	Pass
					0	76.352	/	Pass
		5775	/	/	1	76.278	/	Pass
					0	76.278	/	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	0	18.902	/	Pass
					1	18.878	/	Pass
		5200	RU242	Left	0	18.907	/	Pass
					1	18.922	/	Pass
		5240	RU242	Left	0	18.884	/	Pass
					1	18.939	/	Pass
		5745	RU242	Left	0	18.840	/	Pass
					1	18.842	/	Pass
		5785	RU242	Left	0	18.858	/	Pass
					1	18.869	/	Pass
		5825	RU242	Left	0	18.838	/	Pass
					1	18.903	/	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	0	37.786	/	Pass
					1	37.666	/	Pass
		5230	RU484	Left	0	37.831	/	Pass
					1	37.913	/	Pass
		5755	RU484	Left	0	37.695	/	Pass
					1	37.740	/	Pass
		5795	RU484	Left	0	37.716	/	Pass
					1	37.844	/	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	0	78.198	/	Pass
					1	78.292	/	Pass
		5775	RU996	Left	0	77.866	/	Pass
					1	78.018	/	Pass

2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	0	15.066	>=0.5	Pass
					1	13.872	>=0.5	Pass
		5785	/	/	0	15.108	>=0.5	Pass
					1	15.108	>=0.5	Pass
		5825	/	/	0	15.148	>=0.5	Pass
					1	15.141	>=0.5	Pass
802.11n (HT20)	MIMO	5745	/	/	0	15.108	>=0.5	Pass
					1	15.107	>=0.5	Pass
		5785	/	/	0	15.132	>=0.5	Pass
					1	15.083	>=0.5	Pass
		5825	/	/	0	15.130	>=0.5	Pass
					1	15.099	>=0.5	Pass
802.11n (HT40)	MIMO	5755	/	/	0	35.121	>=0.5	Pass
					1	35.112	>=0.5	Pass
		5795	/	/	0	35.133	>=0.5	Pass
					1	35.111	>=0.5	Pass
802.11ac (VHT20)	MIMO	5745	/	/	0	15.018	>=0.5	Pass
					1	15.122	>=0.5	Pass
		5785	/	/	0	15.100	>=0.5	Pass
					1	15.059	>=0.5	Pass

		5825	/	/	0	13.915	≥ 0.5	Pass
					1	15.107	≥ 0.5	Pass
802.11ac (VHT40)	MIMO	5755	/	/	0	35.058	≥ 0.5	Pass
					1	35.100	≥ 0.5	Pass
		5795	/	/	0	35.137	≥ 0.5	Pass
					1	35.076	≥ 0.5	Pass
802.11ac (VHT80)	MIMO	5775	/	/	0	75.524	≥ 0.5	Pass
					1	75.597	≥ 0.5	Pass
802.11ax (HEW20)	MIMO	5745	RU242	Left	0	15.505	≥ 0.5	Pass
					1	15.550	≥ 0.5	Pass
		5785	RU242	Left	0	15.978	≥ 0.5	Pass
					1	15.144	≥ 0.5	Pass
		5825	RU242	Left	0	15.710	≥ 0.5	Pass
					1	15.151	≥ 0.5	Pass
802.11ax (HEW40)	MIMO	5755	RU484	Left	0	36.277	≥ 0.5	Pass
					1	35.149	≥ 0.5	Pass
		5795	RU484	Left	0	37.148	≥ 0.5	Pass
					1	35.163	≥ 0.5	Pass
802.11ax (HEW80)	MIMO	5775	RU996	Left	0	78.005	≥ 0.5	Pass
					1	77.457	≥ 0.5	Pass

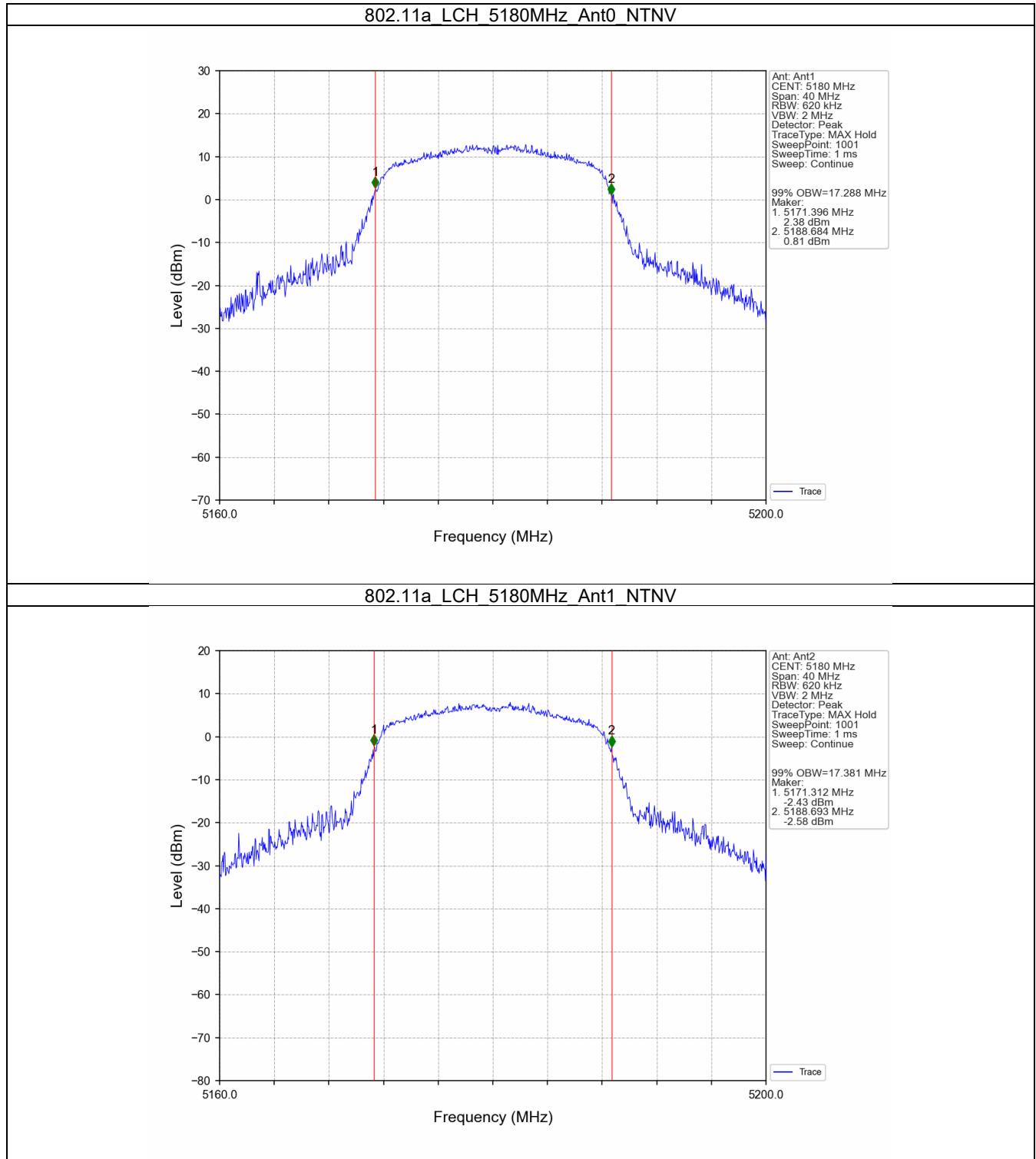
2.1.3 26dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	0	19.894	/	Pass
					1	19.618	/	Pass
		5200	/	/	0	21.607	/	Pass
					1	22.970	/	Pass
		5240	/	/	0	20.305	/	Pass
					1	20.911	/	Pass
802.11n (HT20)	MIMO	5180	/	/	0	20.002	/	Pass
					1	19.988	/	Pass
		5200	/	/	0	19.955	/	Pass
					1	20.922	/	Pass
		5240	/	/	0	20.015	/	Pass
					1	19.802	/	Pass
802.11n (HT40)	MIMO	5190	/	/	0	40.338	/	Pass
					1	39.542	/	Pass
		5230	/	/	0	40.152	/	Pass
					1	39.976	/	Pass
802.11ac (VHT20)	MIMO	5180	/	/	0	20.592	/	Pass
					1	19.865	/	Pass
		5200	/	/	0	19.882	/	Pass
					1	19.992	/	Pass
		5240	/	/	0	20.115	/	Pass
					1	21.228	/	Pass
802.11ac (VHT40)	MIMO	5190	/	/	0	40.259	/	Pass
					1	40.106	/	Pass
		5230	/	/	0	40.823	/	Pass
					1	40.422	/	Pass
802.11ac (VHT80)	MIMO	5210	/	/	0	80.369	/	Pass
					1	87.057	/	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	0	19.871	/	Pass
					1	20.299	/	Pass
		5200	RU242	Left	0	19.846	/	Pass
					1	20.570	/	Pass
		5240	RU242	Left	0	19.860	/	Pass
					0	19.860	/	Pass

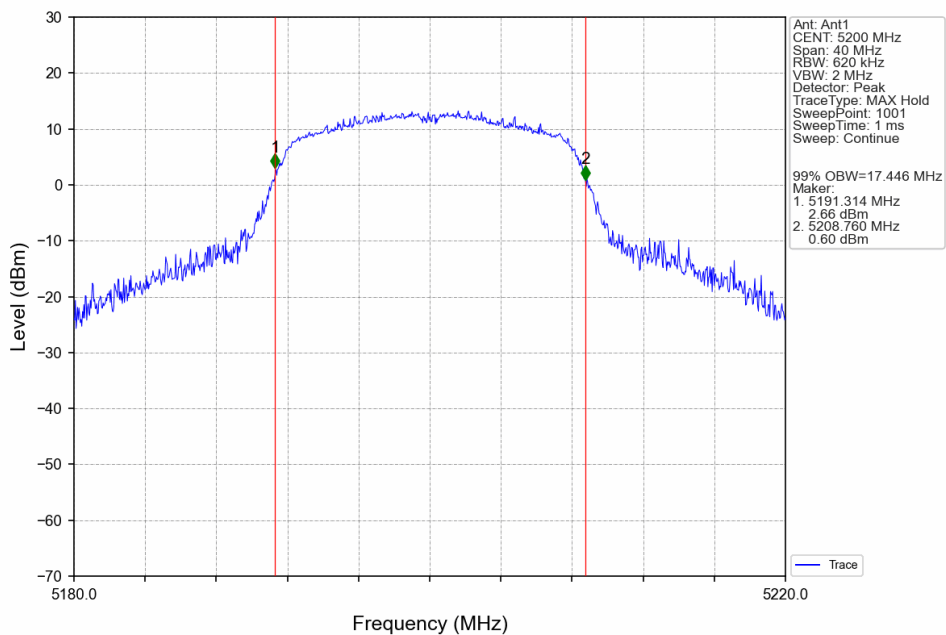
					1	19.894	/	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	0	39.599	/	Pass
					1	39.672	/	Pass
					0	39.814	/	Pass
802.11ax (HEW80)	MIMO	5230	RU484	Left	1	39.643	/	Pass
					0	80.575	/	Pass
					1	80.475	/	Pass

2.2 Test Graph

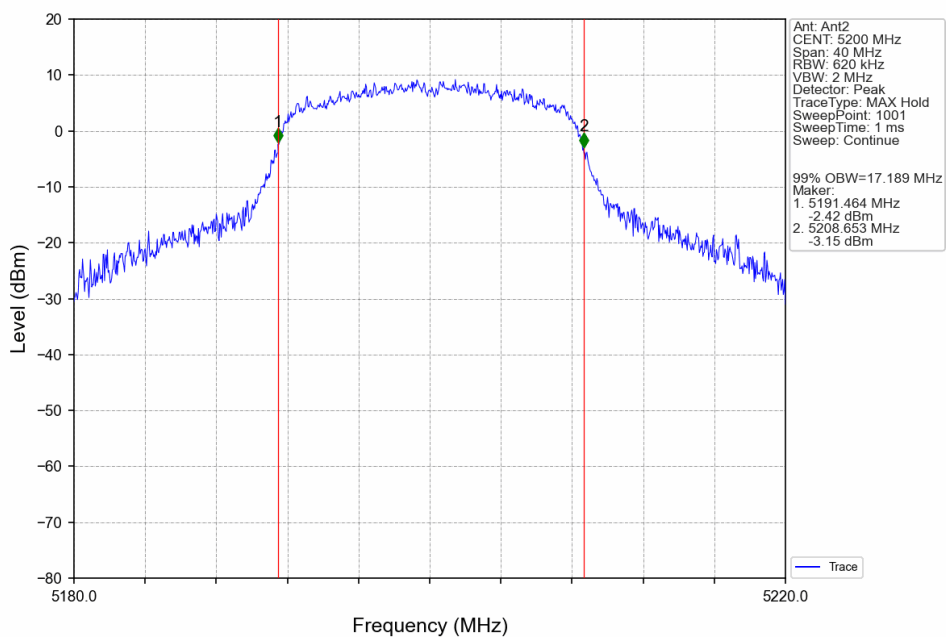
2.2.1 OBW



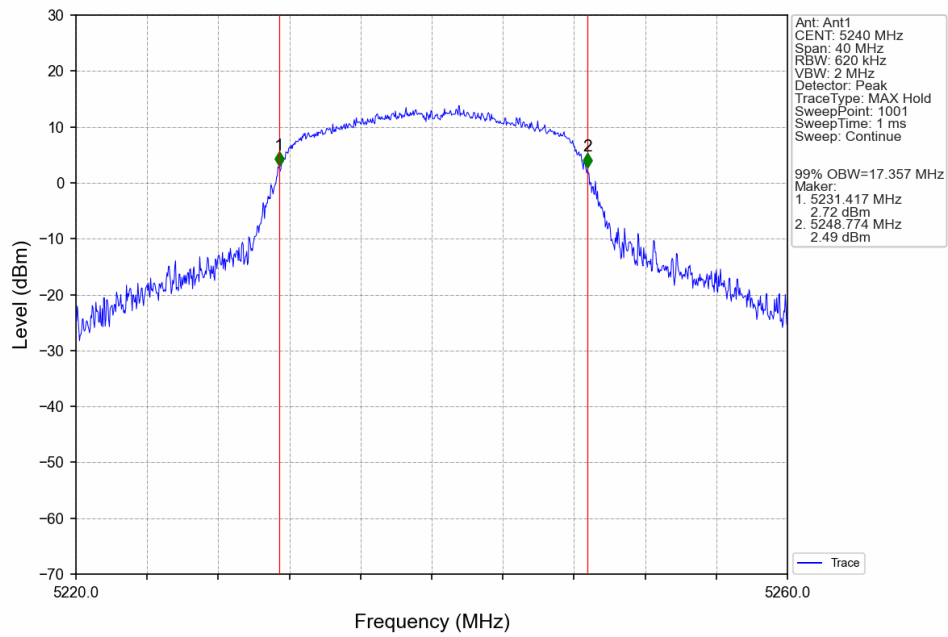
802.11a MCH 5200MHz Ant0 NTNv



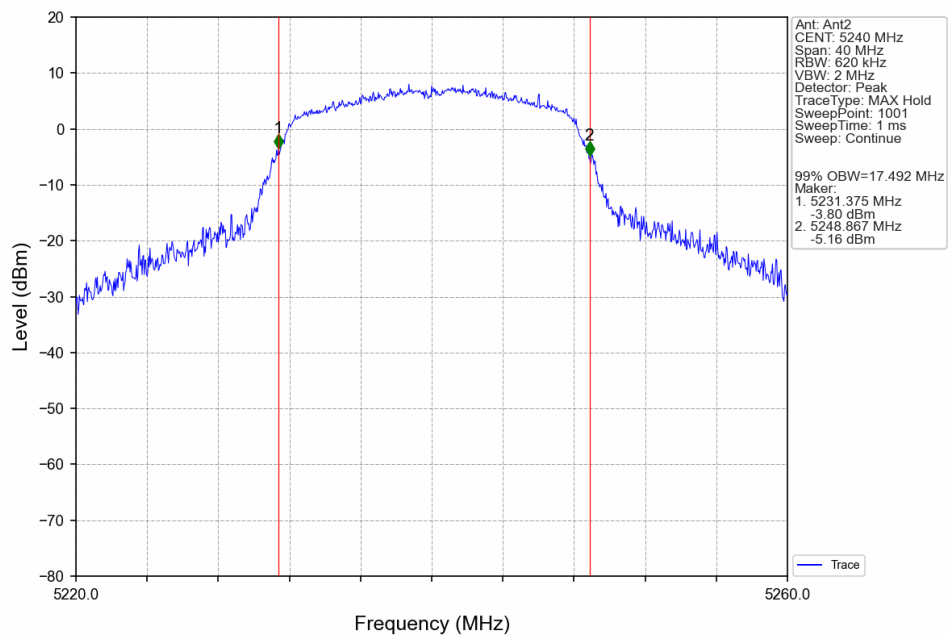
802.11a MCH 5200MHz Ant1 NTNv



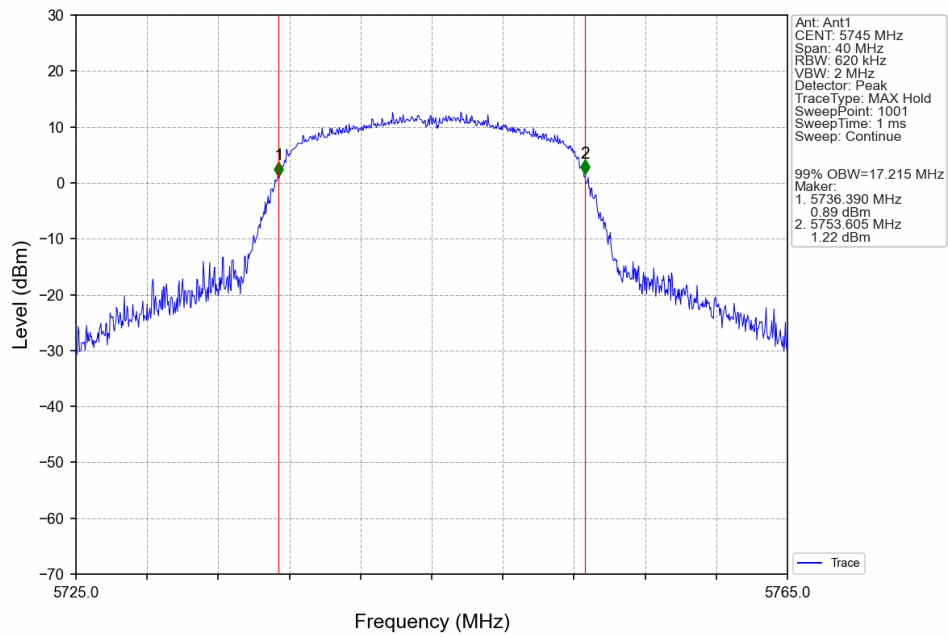
802.11a_HCH_5240MHz_Ant0_NTNV



802.11a_HCH_5240MHz_Ant1_NTNV



802.11a LCH 5745MHz Ant0 NTN



802.11a LCH 5745MHz Ant1 NTN

