

Appendix RF test data for WIFI5G

1. Duty Cycle

1.1 Test Result

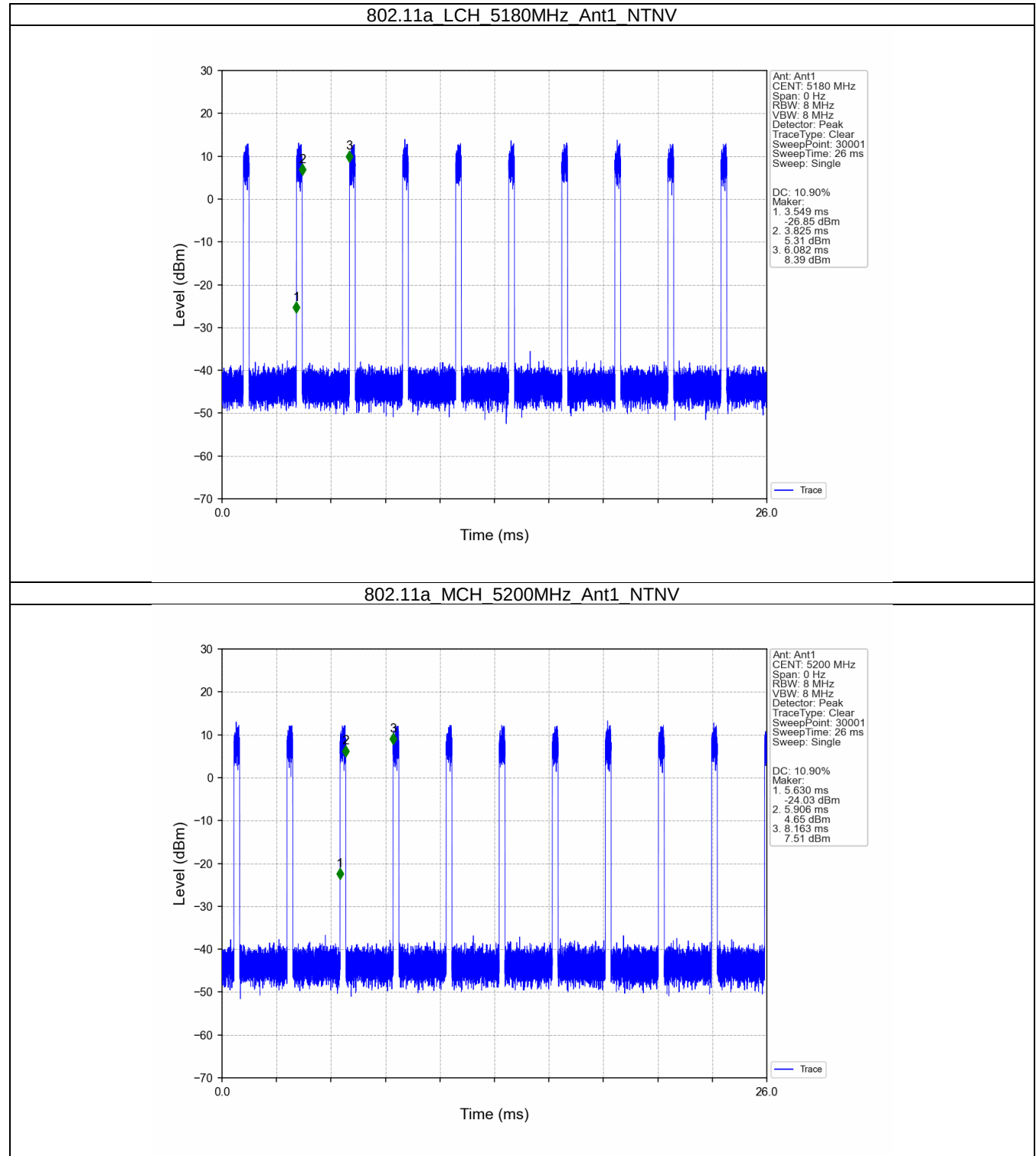
1.1.1 Ant1

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	/	/	0.276	2.533	10.90	9.63	0.04
		5200	/	/	0.276	2.533	10.90	9.63	0.03
		5240	/	/	0.276	2.533	10.90	9.63	0.03
		5260	/	/	0.275	2.532	10.86	9.64	0.03
		5300	/	/	0.276	2.533	10.90	9.63	0.04
		5320	/	/	0.276	2.533	10.90	9.63	0.03
		5500	/	/	0.276	2.533	10.90	9.63	0.00
		5580	/	/	0.276	2.533	10.90	9.63	0.00
		5700	/	/	0.276	2.533	10.90	9.63	0.04
		5745	/	/	0.275	2.532	10.86	9.64	0.06
		5785	/	/	0.275	2.532	10.86	9.64	0.03
		5825	/	/	0.277	2.534	10.93	9.61	0.00
802.11n (HT20)	SISO	5180	/	/	0.297	2.555	11.62	9.35	0.03
		5200	/	/	0.297	2.555	11.62	9.35	0.03
		5240	/	/	0.297	2.556	11.62	9.35	0.03
		5260	/	/	0.297	2.556	11.62	9.35	0.07
		5300	/	/	0.297	2.556	11.62	9.35	0.00
		5320	/	/	0.297	2.556	11.62	9.35	0.03
		5500	/	/	0.297	2.555	11.62	9.35	0.04
		5580	/	/	0.297	2.555	11.62	9.35	0.03
		5700	/	/	0.298	2.556	11.66	9.33	0.00
		5745	/	/	0.296	2.555	11.59	9.36	0.07
		5785	/	/	0.297	2.556	11.62	9.35	0.03
		5825	/	/	0.298	2.555	11.66	9.33	0.00
802.11n (HT40)	SISO	5190	/	/	0.293	2.641	11.09	9.55	0.04
		5230	/	/	0.293	2.641	11.09	9.55	0.04
		5270	/	/	0.293	2.640	11.10	9.55	0.03
		5310	/	/	0.293	2.641	11.09	9.55	0.04
		5510	/	/	0.292	2.640	11.06	9.56	0.07
		5550	/	/	0.293	2.640	11.10	9.55	0.04
		5670	/	/	0.293	2.641	11.09	9.55	0.04
		5755	/	/	0.293	2.640	11.10	9.55	0.04
802.11ac (VHT20)	SISO	5795	/	/	0.294	2.641	11.13	9.53	0.04
		5180	/	/	0.301	2.560	11.76	9.30	0.03
		5200	/	/	0.300	2.559	11.72	9.31	0.07
		5240	/	/	0.300	2.559	11.72	9.31	0.06
		5260	/	/	0.301	2.560	11.76	9.30	0.04
		5300	/	/	0.300	2.560	11.72	9.31	0.06
		5320	/	/	0.300	2.559	11.72	9.31	0.06
		5500	/	/	0.300	2.559	11.72	9.31	0.07
		5580	/	/	0.300	2.560	11.72	9.31	0.04
		5700	/	/	0.300	2.560	11.72	9.31	0.04
		5745	/	/	0.302	2.560	11.80	9.28	0.03
		5785	/	/	0.301	2.560	11.76	9.30	0.03
802.11ac (VHT40)	SISO	5825	/	/	0.301	2.560	11.76	9.30	0.03
		5190	/	/	0.301	2.562	11.75	9.30	0.03
		5230	/	/	0.302	2.562	11.79	9.29	0.03
		5270	/	/	0.300	2.561	11.71	9.31	0.03
		5310	/	/	0.301	2.562	11.75	9.30	0.03
	SISO	5510	/	/	0.301	2.562	11.75	9.30	0.03

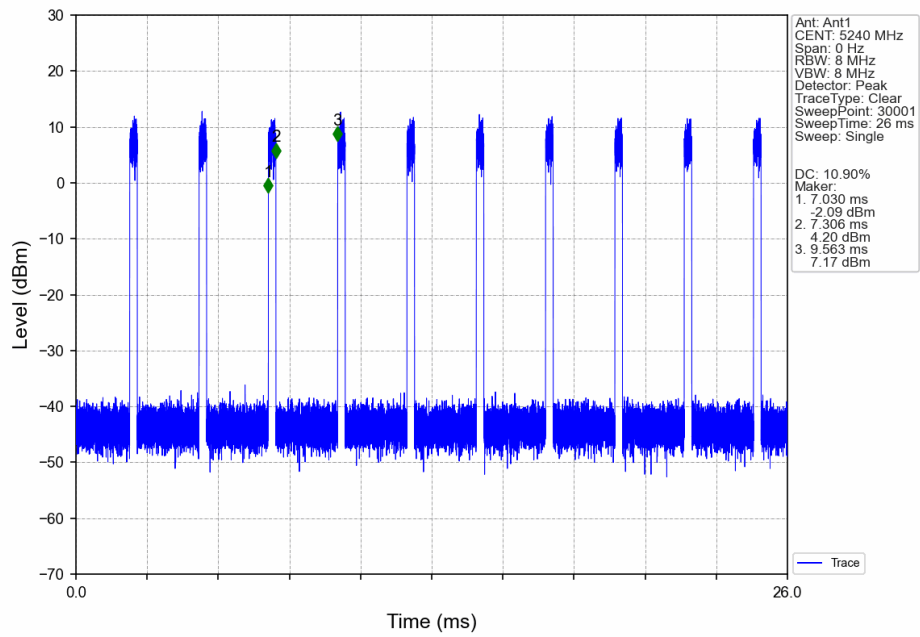
		5550	/	/	0.301	2.562	11.75	9.30	0.03
		5670	/	/	0.301	2.561	11.75	9.30	0.04
		5755	/	/	0.302	2.562	11.79	9.29	0.03
		5795	/	/	0.302	2.562	11.79	9.29	0.04
802.11ax (HEW20)	SISO	5180	SU	/	0.266	2.663	9.99	10.00	0.04
		5200	SU	/	0.265	2.663	9.95	10.02	0.04
		5240	SU	/	0.265	2.662	9.95	10.02	0.04
		5260	SU	/	0.265	2.663	9.95	10.02	0.04
		5300	SU	/	0.266	2.663	9.99	10.00	0.04
		5320	SU	/	0.265	2.663	9.95	10.02	0.04
		5500	SU	/	0.265	2.663	9.95	10.02	0.04
		5580	SU	/	0.265	2.663	9.95	10.02	0.04
		5700	SU	/	0.265	2.663	9.95	10.02	0.04
		5745	SU	/	0.265	2.663	9.95	10.02	0.04
		5785	SU	/	0.265	2.663	9.95	10.02	0.04
		5825	SU	/	0.265	2.663	9.95	10.02	0.04
802.11ax (HEW40)	SISO	5190	SU	/	0.265	2.655	9.98	10.01	0.04
		5230	SU	/	0.265	2.655	9.98	10.01	0.04
		5270	SU	/	0.265	2.654	9.98	10.01	0.04
		5310	SU	/	0.265	2.654	9.98	10.01	0.04
		5510	SU	/	0.265	2.654	9.98	10.01	0.04
		5550	SU	/	0.265	2.654	9.98	10.01	0.04
		5670	SU	/	0.265	2.654	9.98	10.01	0.04
		5755	SU	/	0.266	2.655	10.02	9.99	0.04
		5795	SU	/	0.265	2.654	9.98	10.01	0.04

1.2 Test Graph

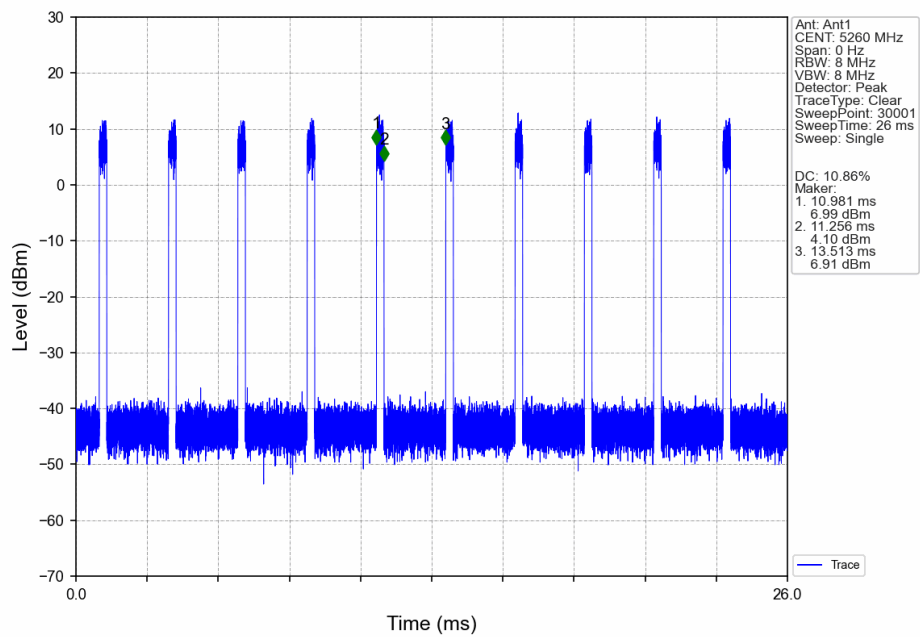
1.2.1 Ant1



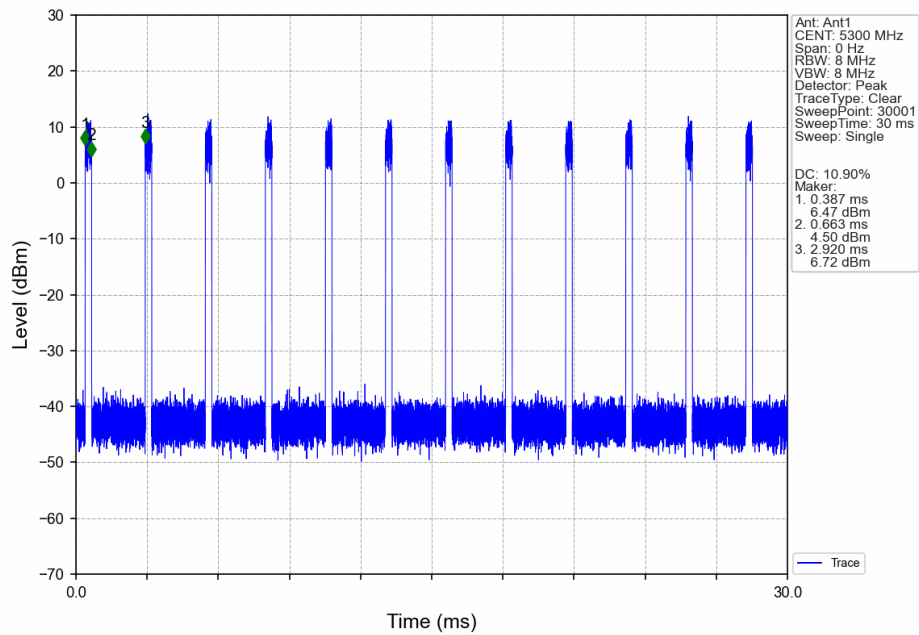
802.11a HCH 5240MHz Ant1 NTN



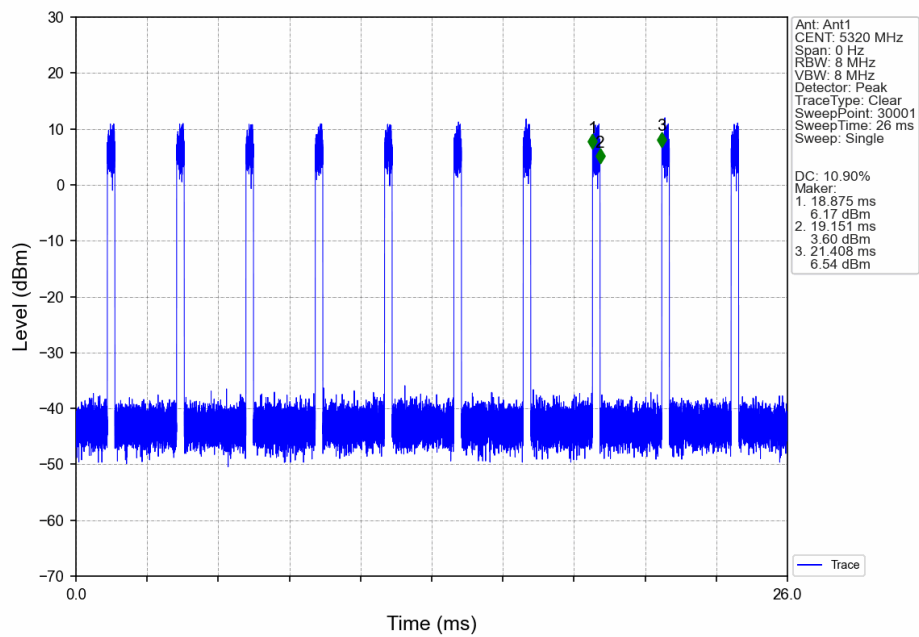
802.11a LCH 5260MHz Ant1 NTN



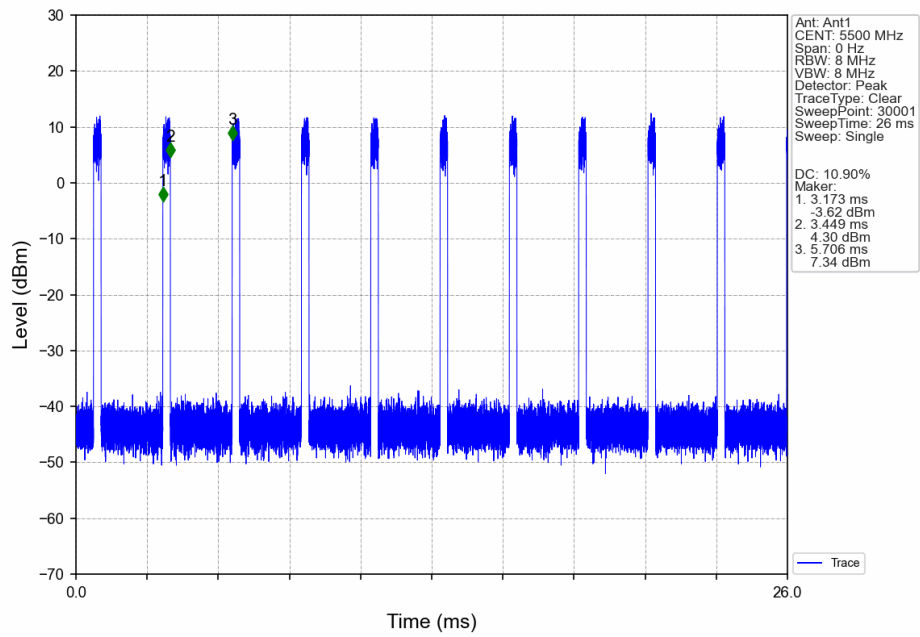
802.11a MCH 5300MHz Ant1 NTN



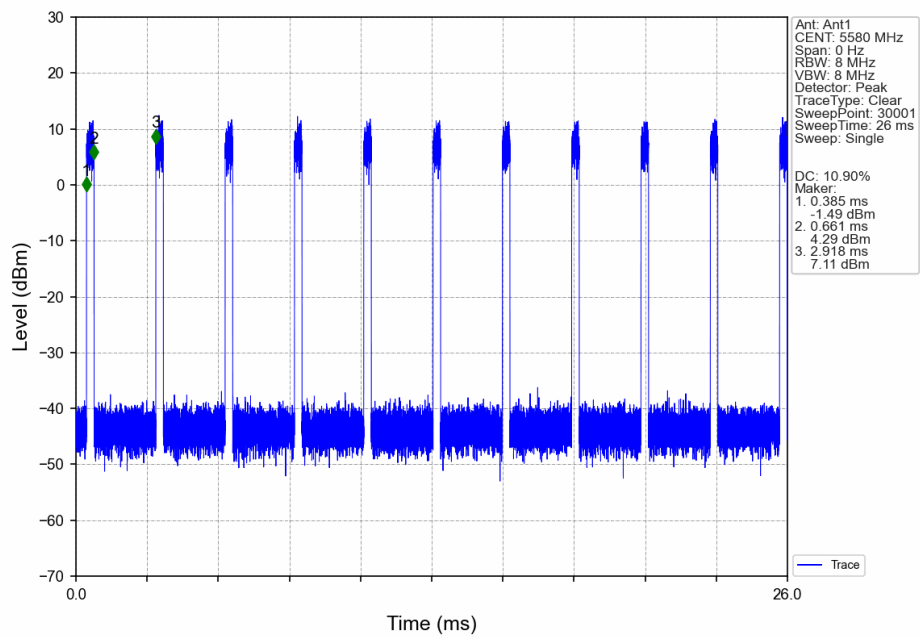
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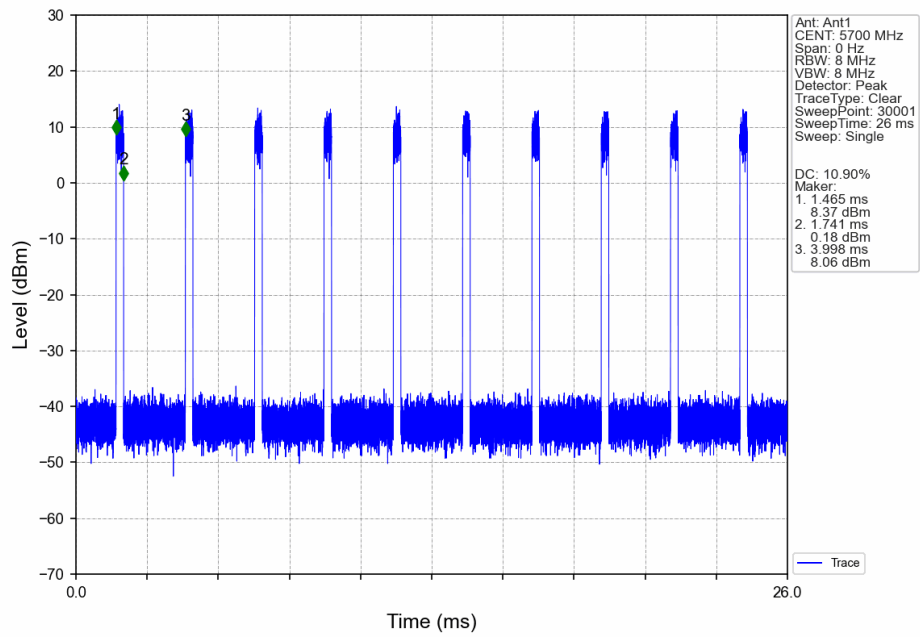
802.11a LCH 5500MHz Ant1 NTNV



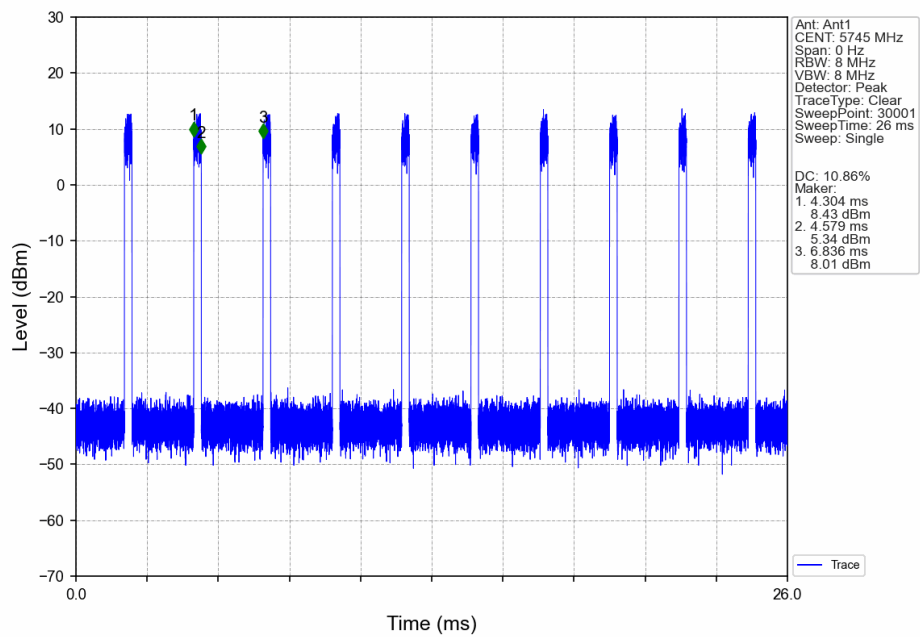
802.11a MCH 5580MHz Ant1 NTNV



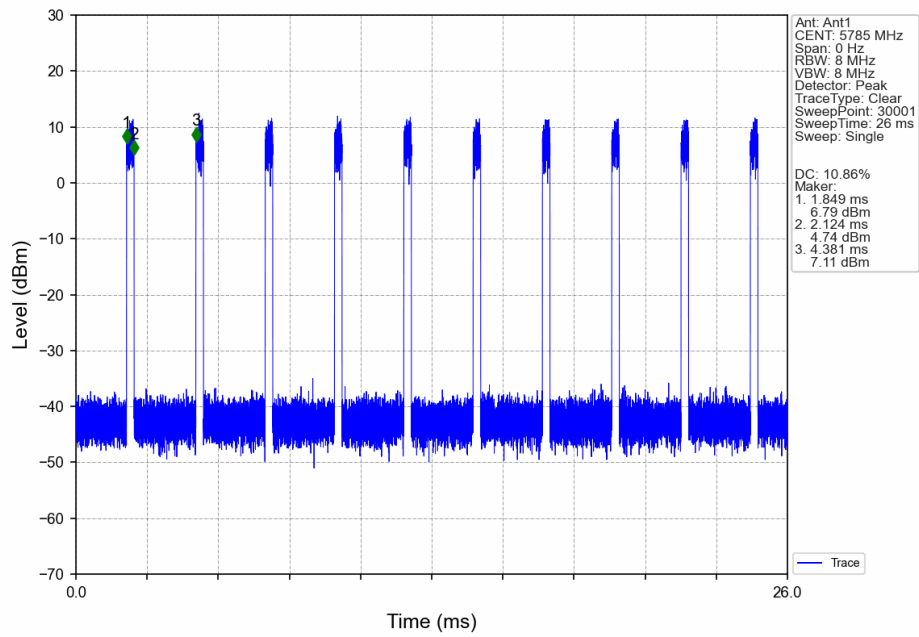
802.11a HCH 5700MHz Ant1 NTN



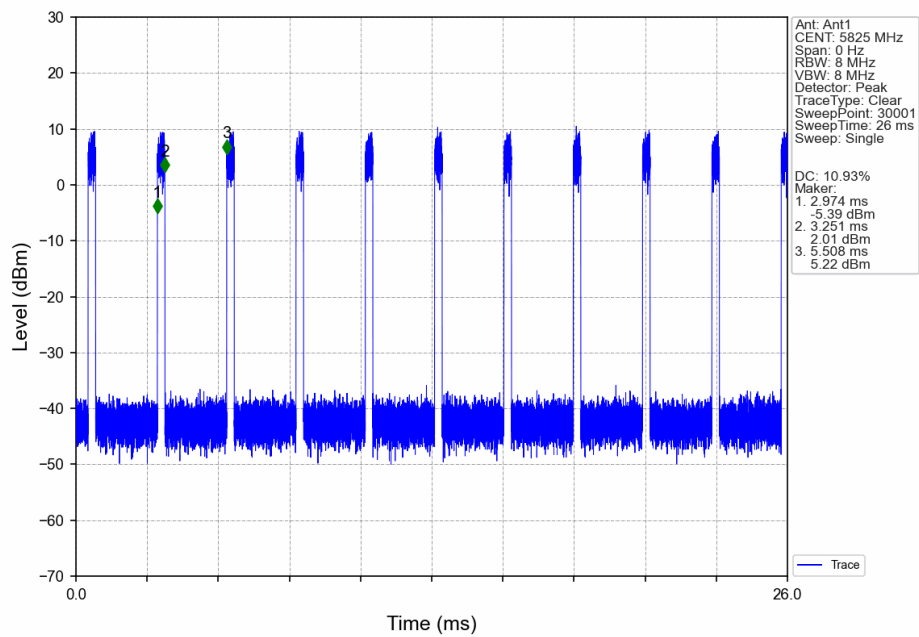
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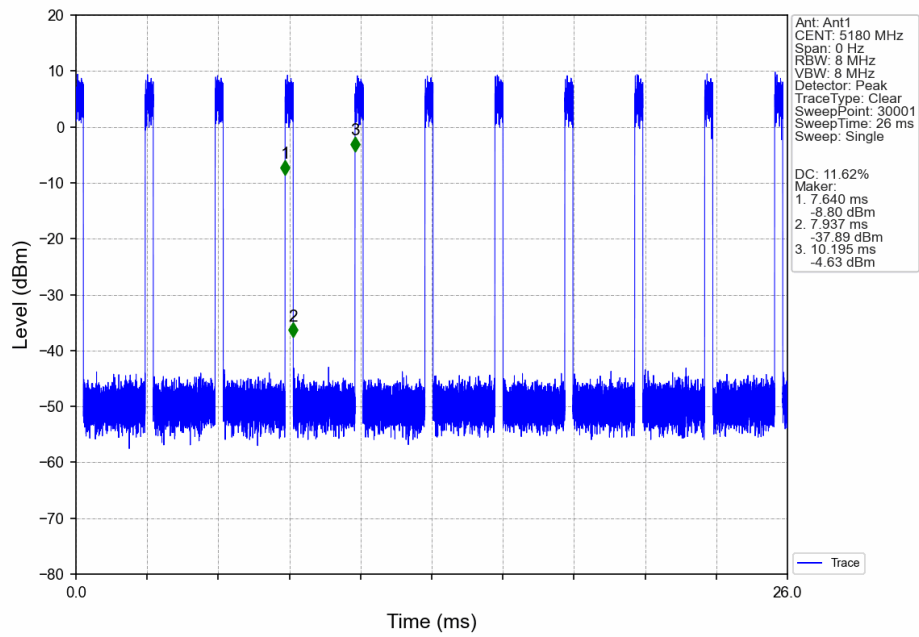
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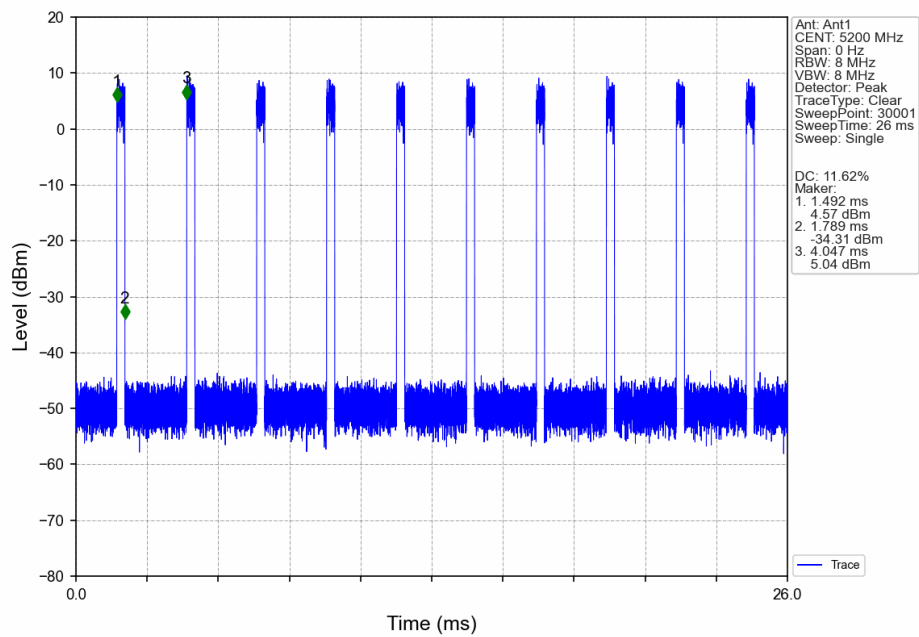
802.11a HCH 5825MHz Ant1 NTN



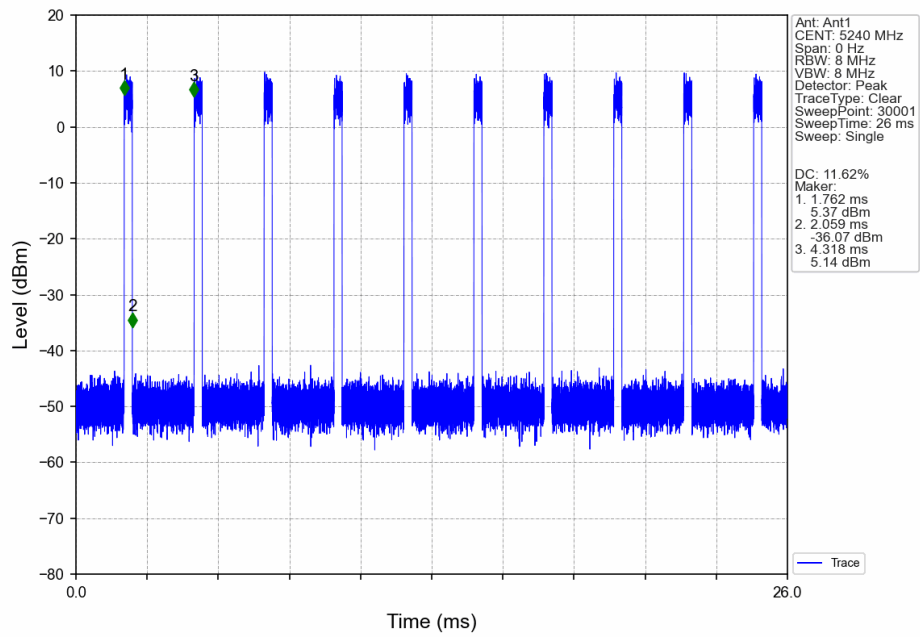
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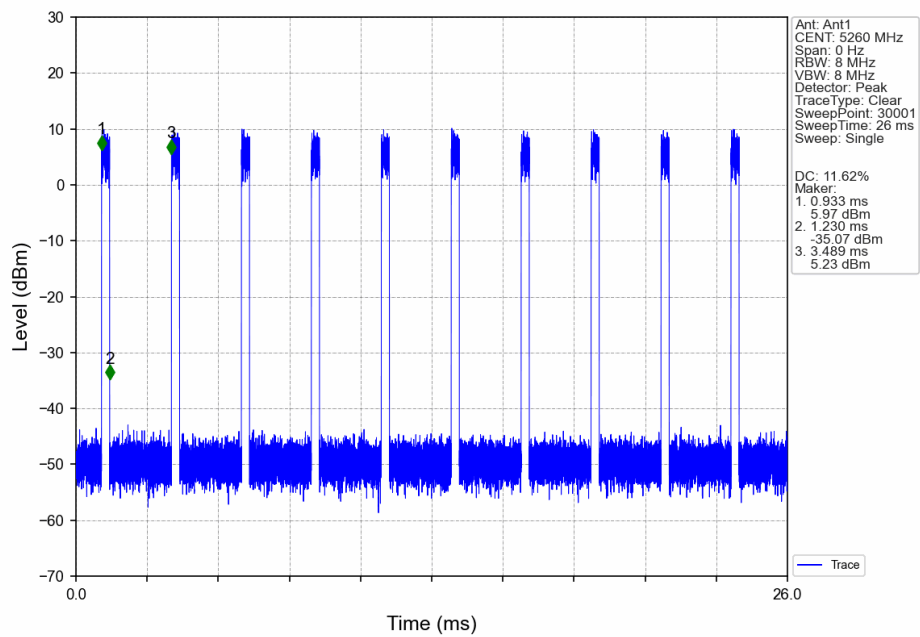
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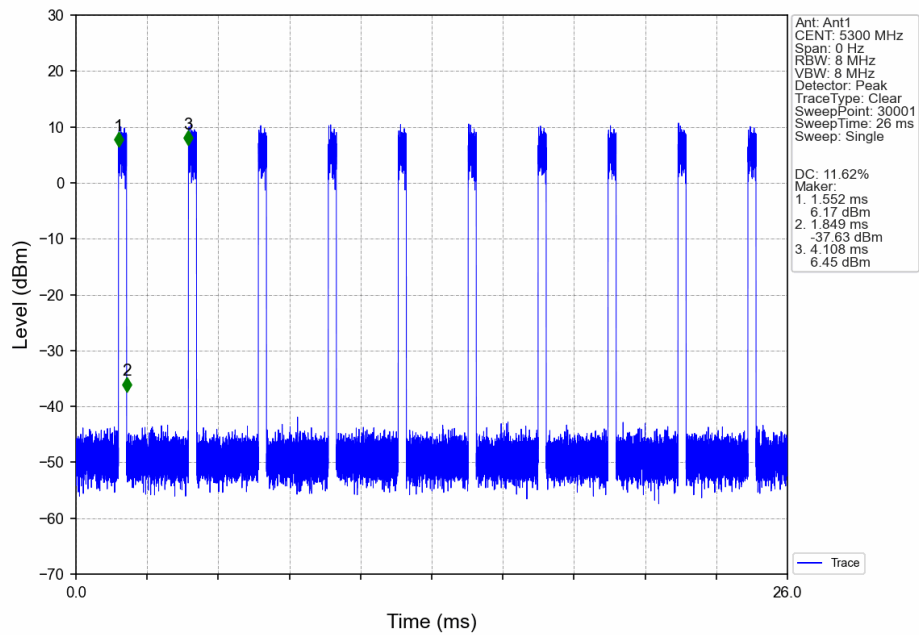
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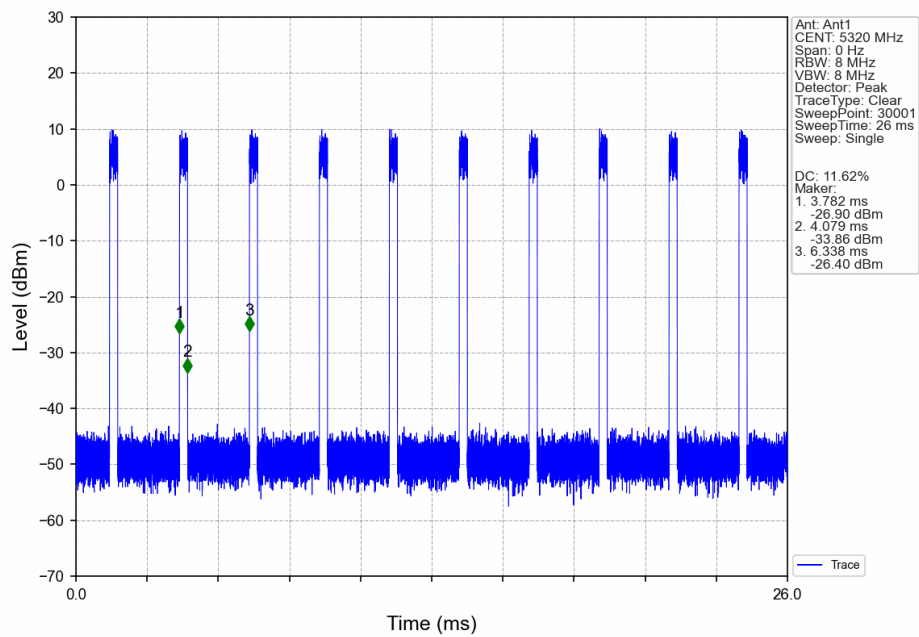
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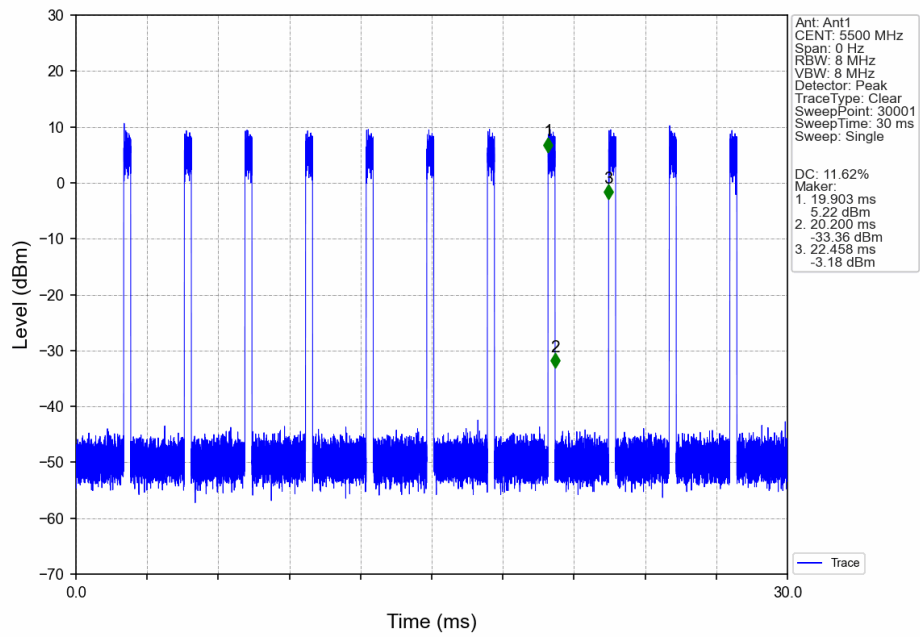
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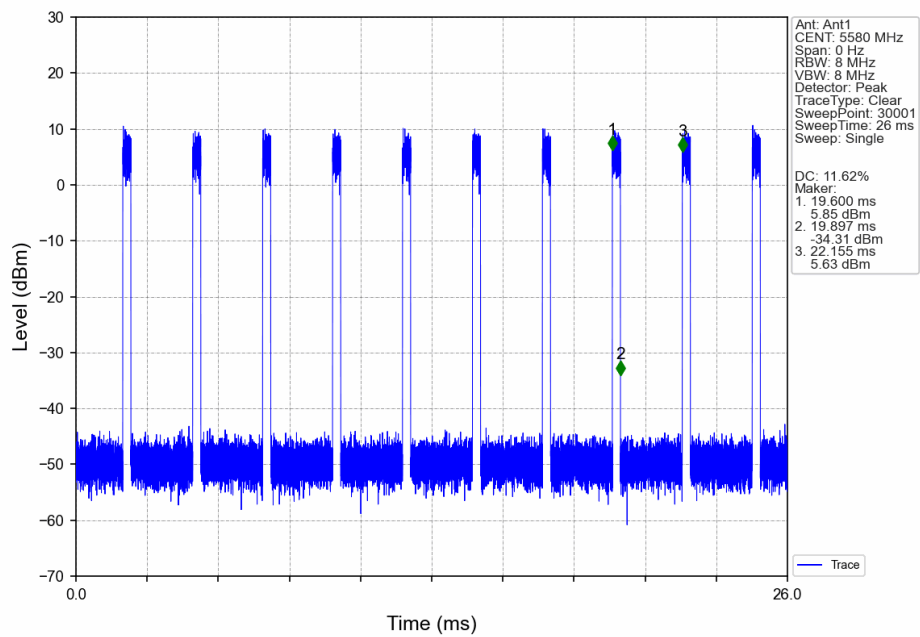
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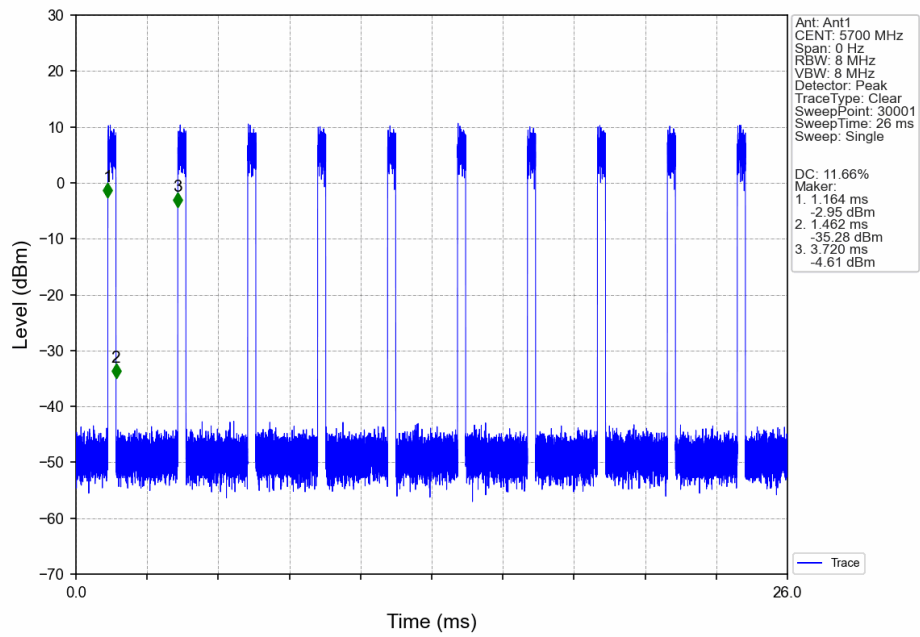
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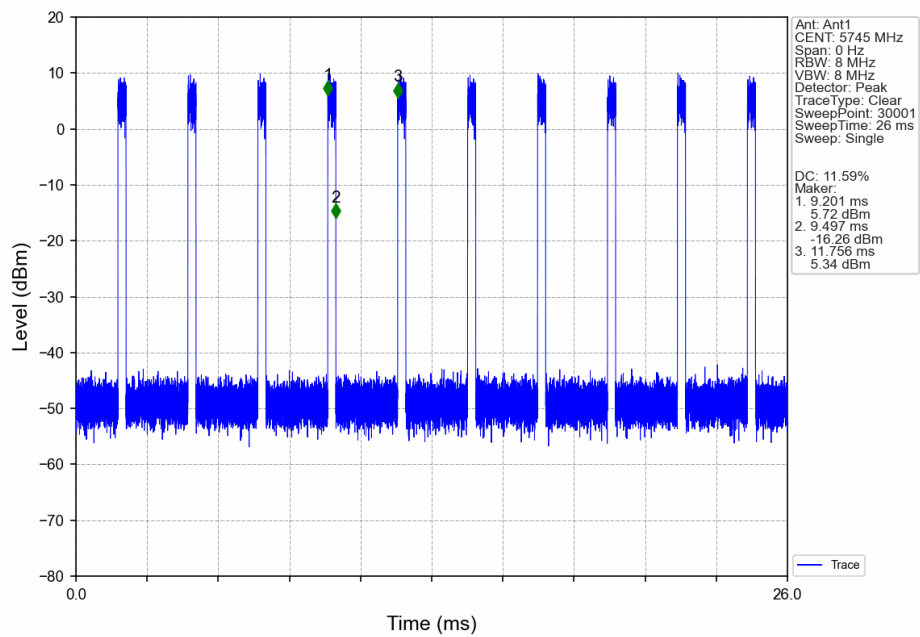
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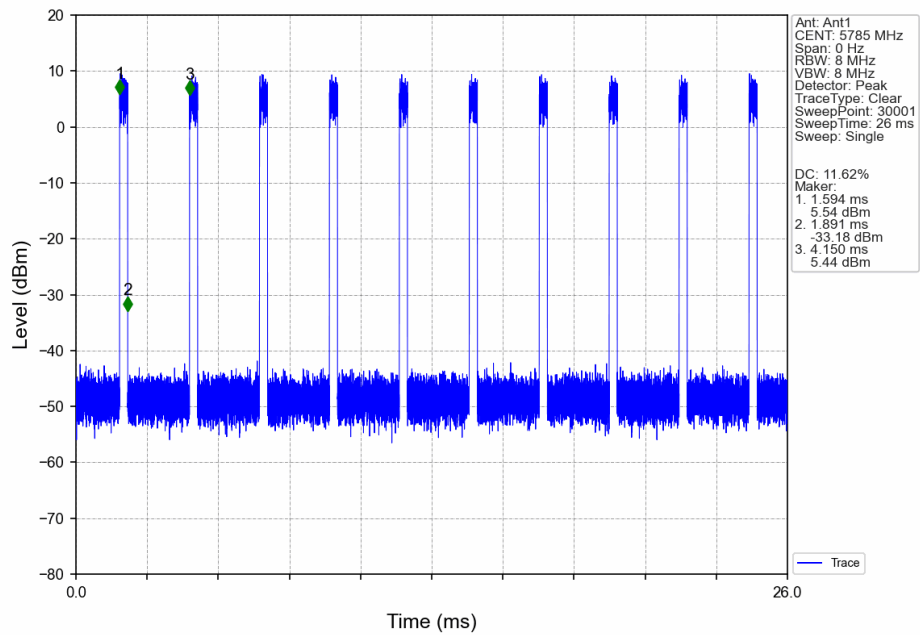
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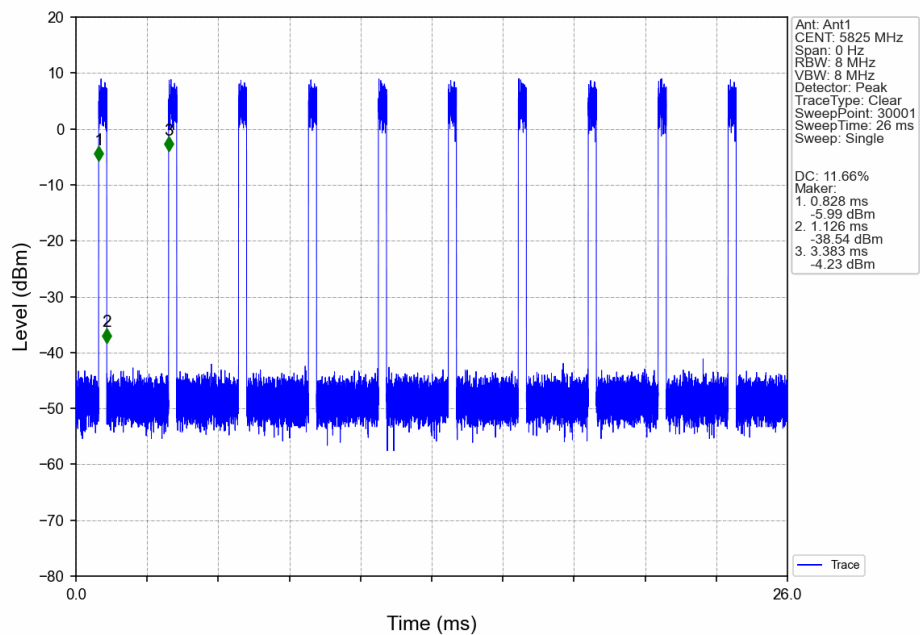
802.11n(HT20) LCH 5745MHz Ant1 NTN



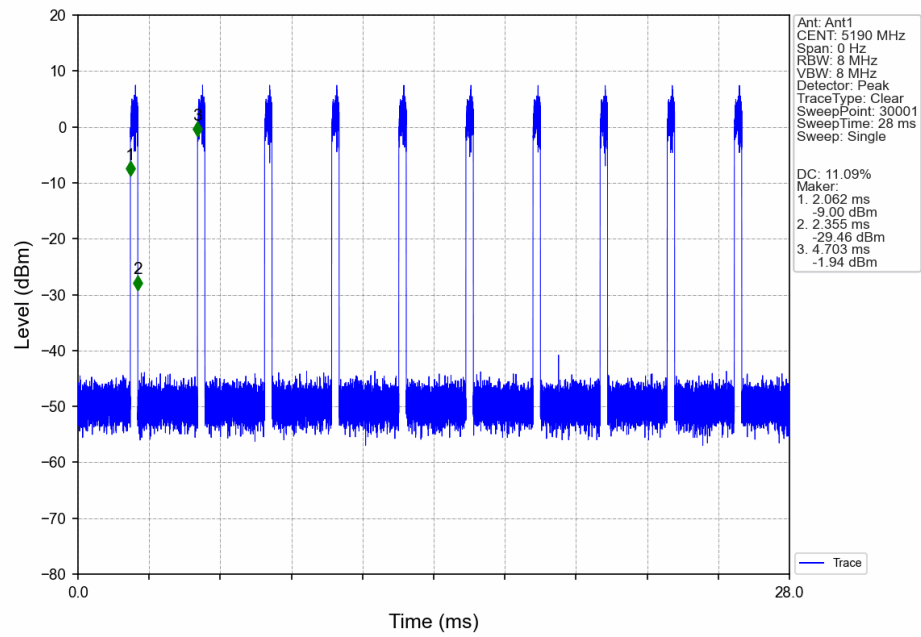
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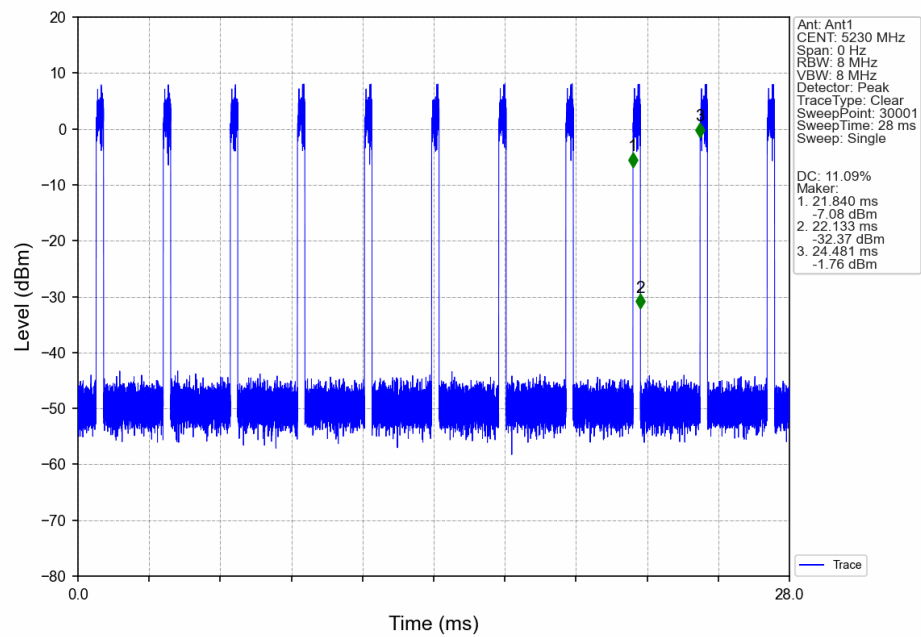
802.11n(HT20) HCH 5825MHz Ant1 NTN



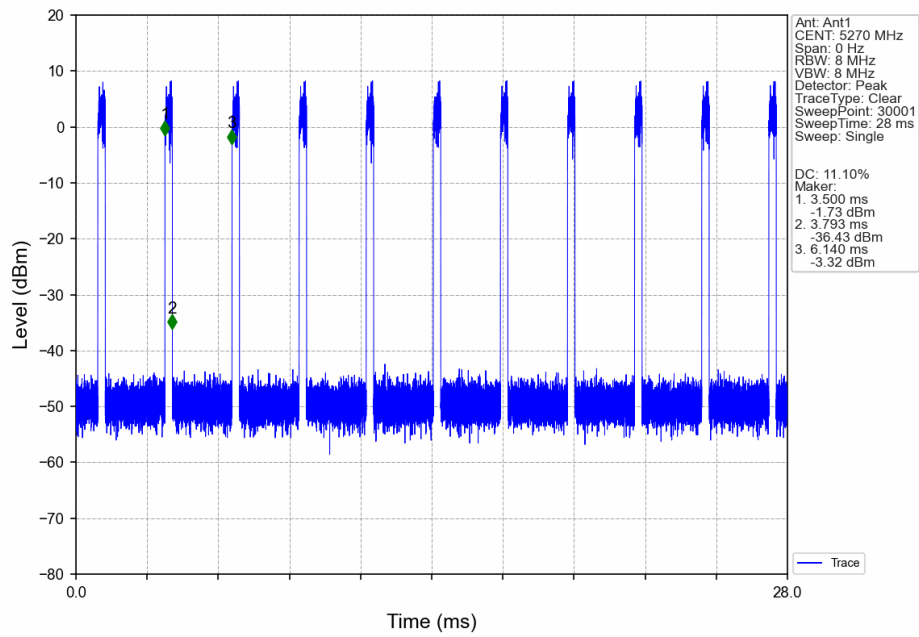
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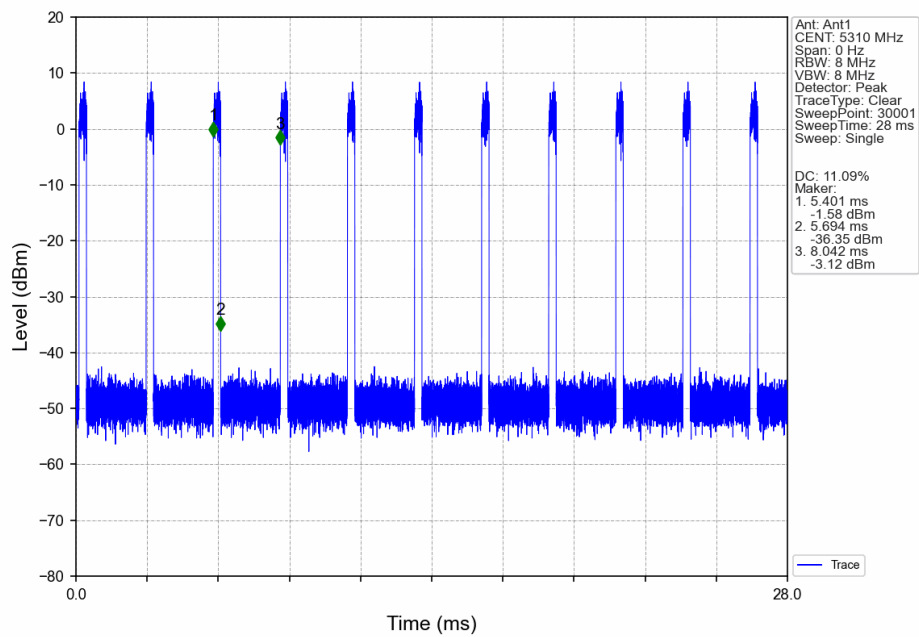
802.11n(HT40) HCH 5230MHz Ant1 NTNV



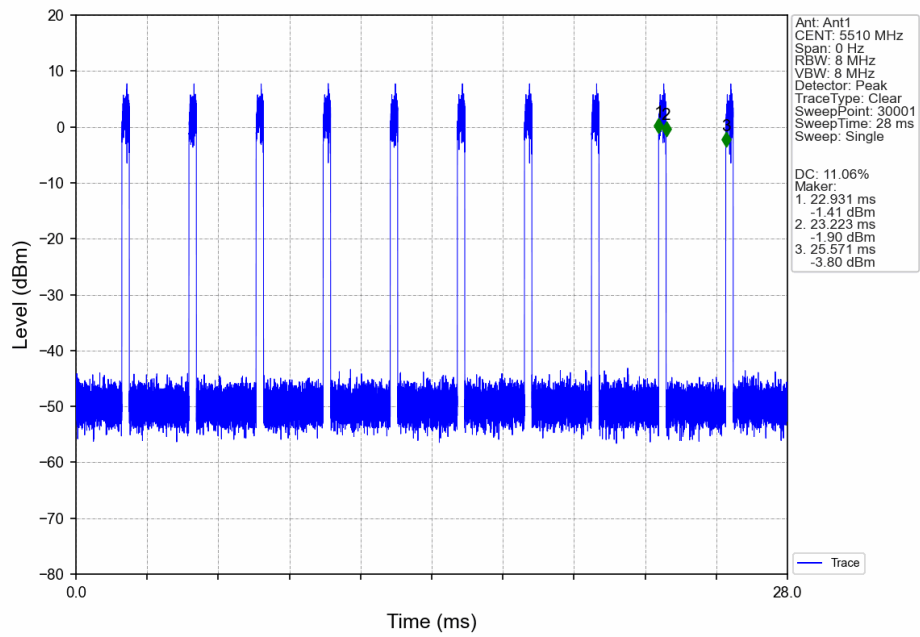
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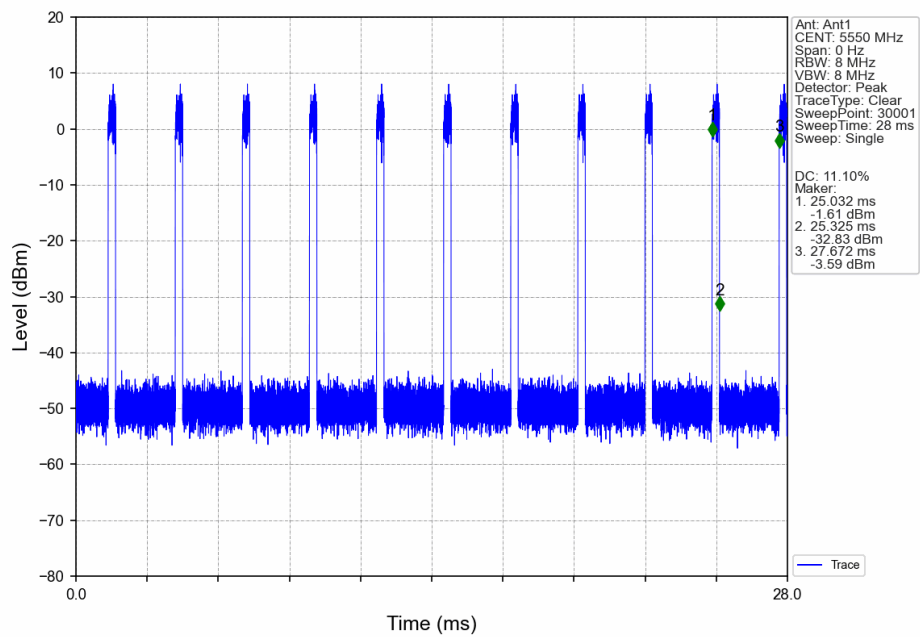
802.11n(HT40) HCH 5310MHz Ant1 NTVN



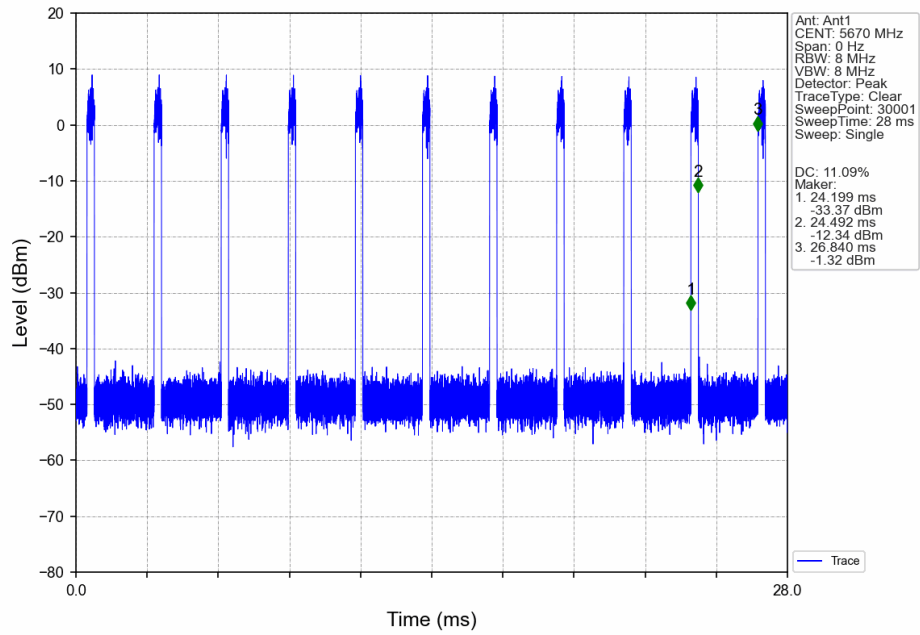
802.11n(HT40) LCH 5510MHz Ant1 NTV



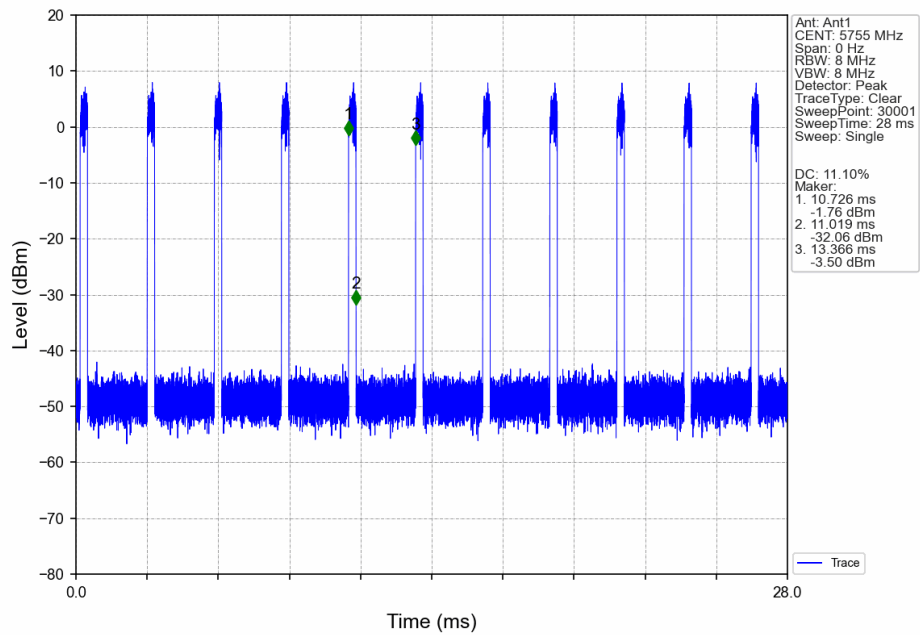
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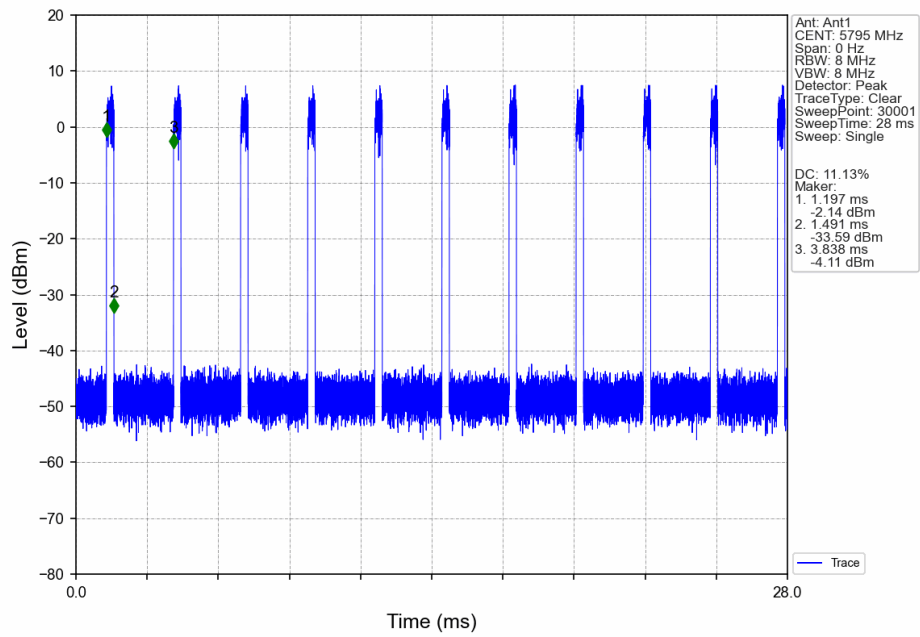
802.11n(HT40) HCH 5670MHz Ant1 NTN



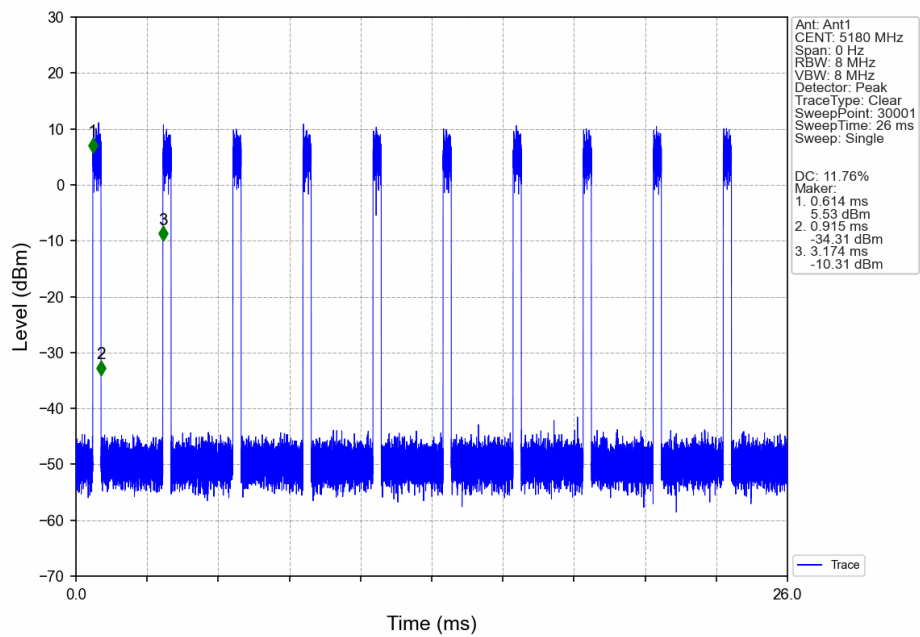
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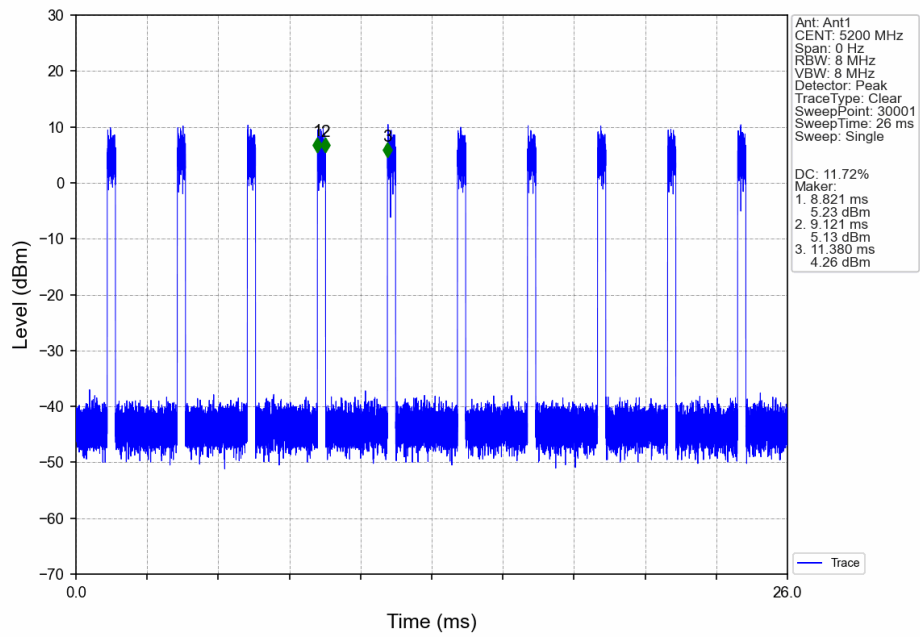
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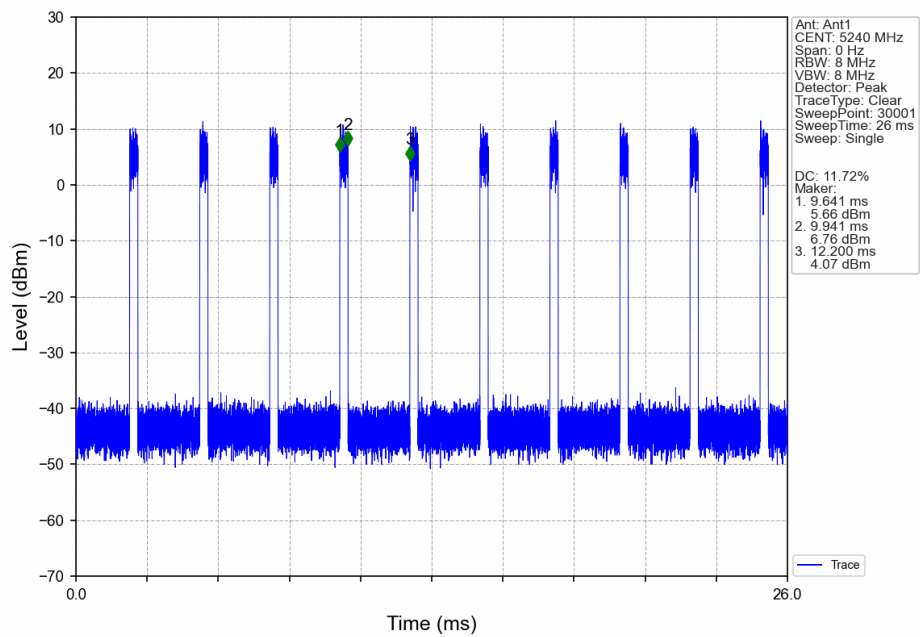
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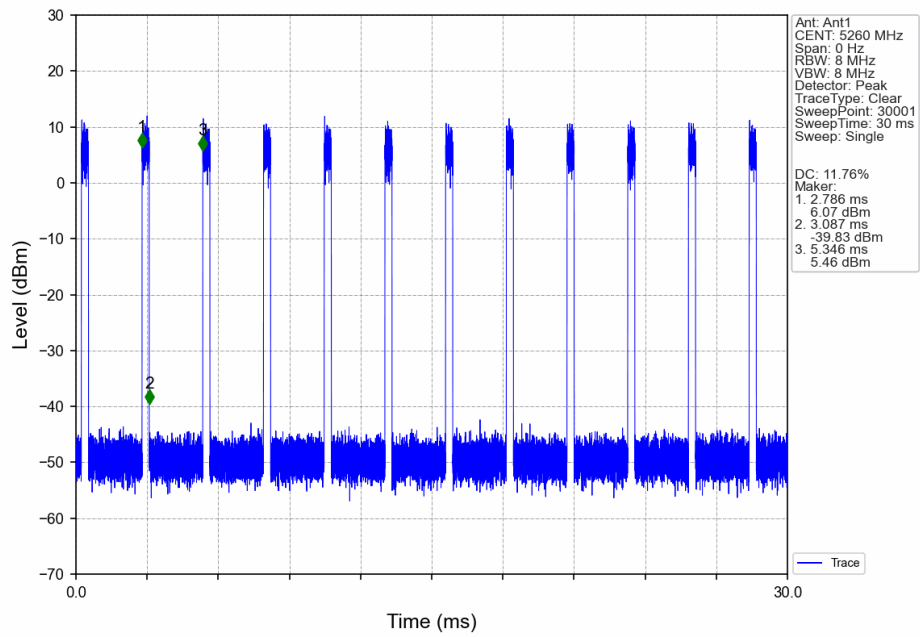
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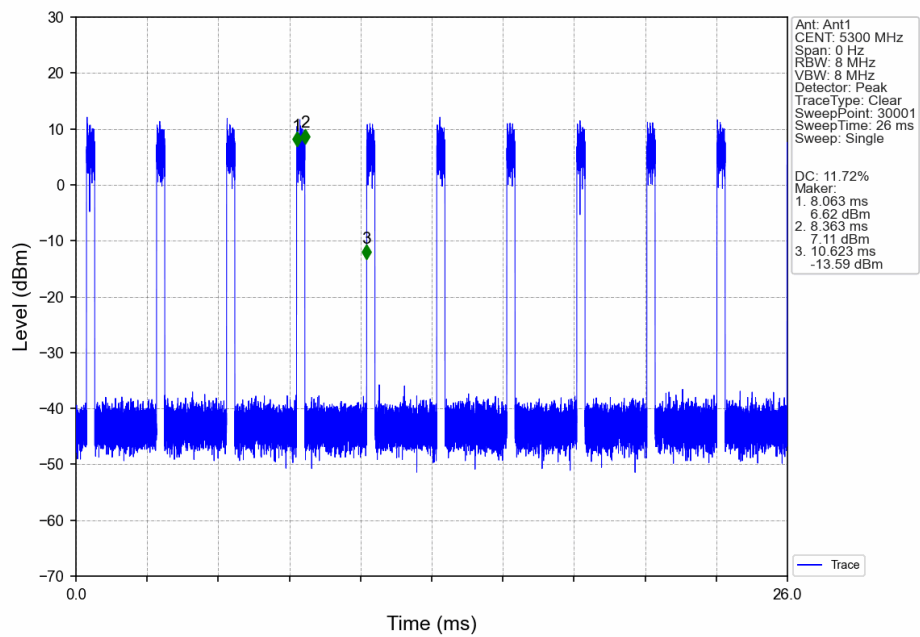
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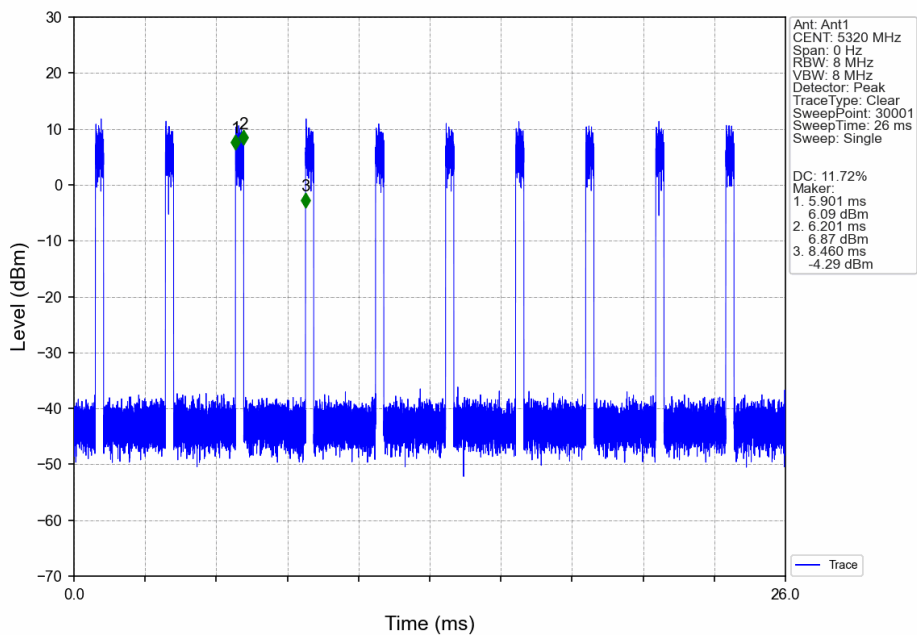
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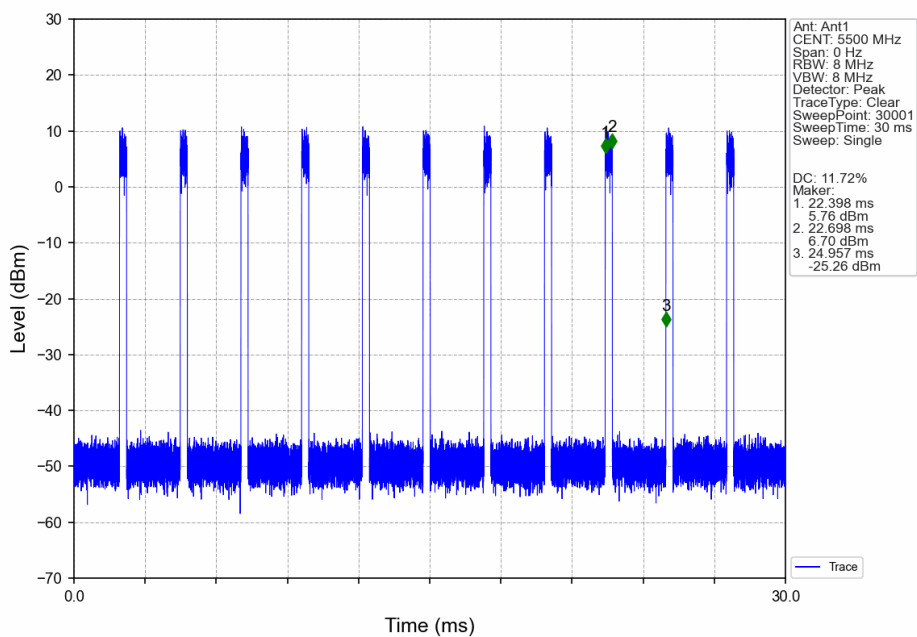
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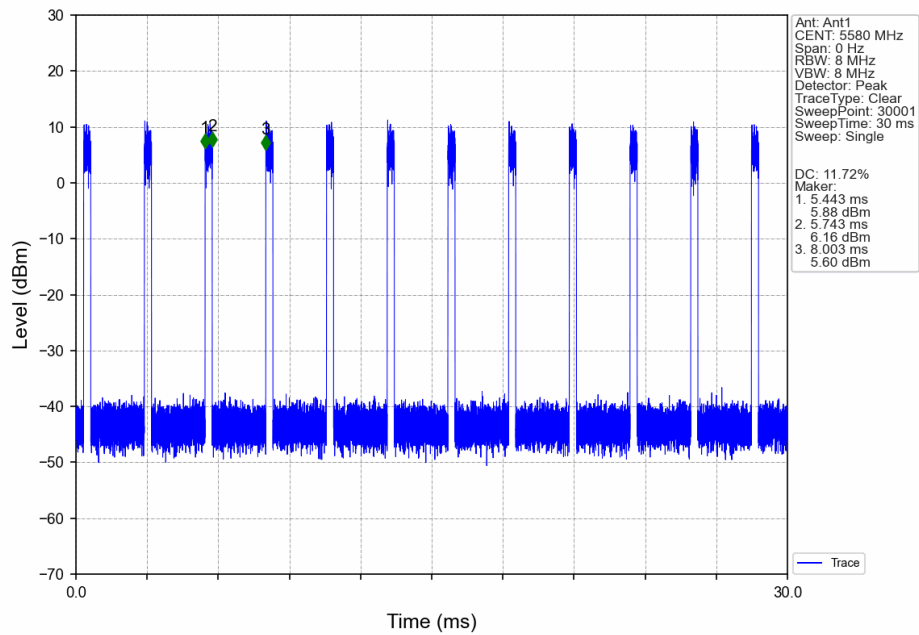
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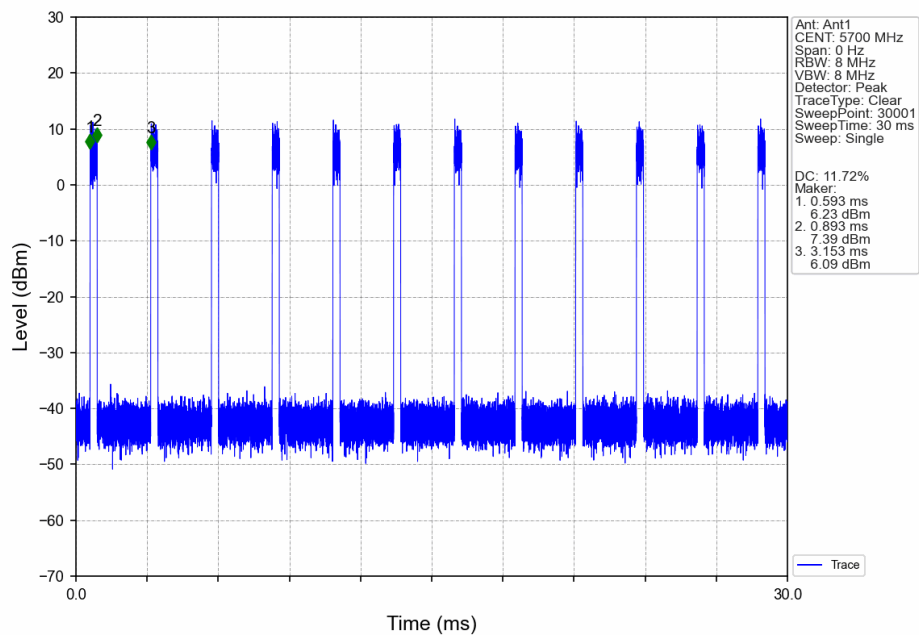
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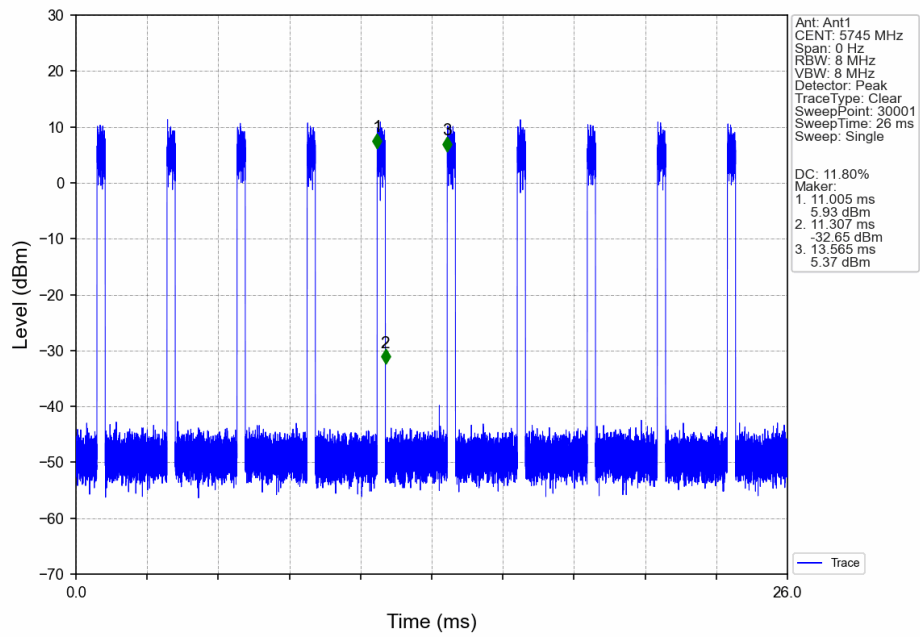
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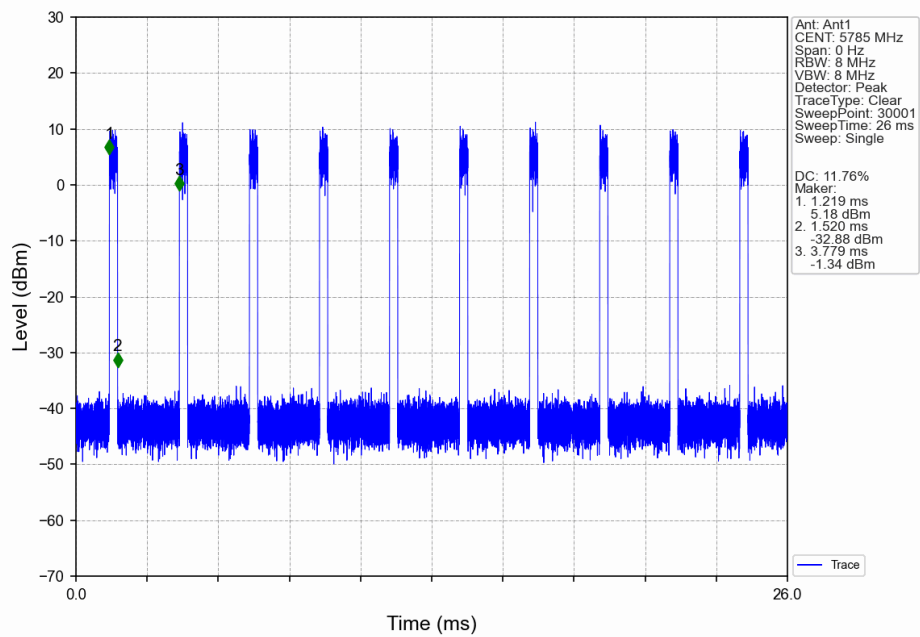
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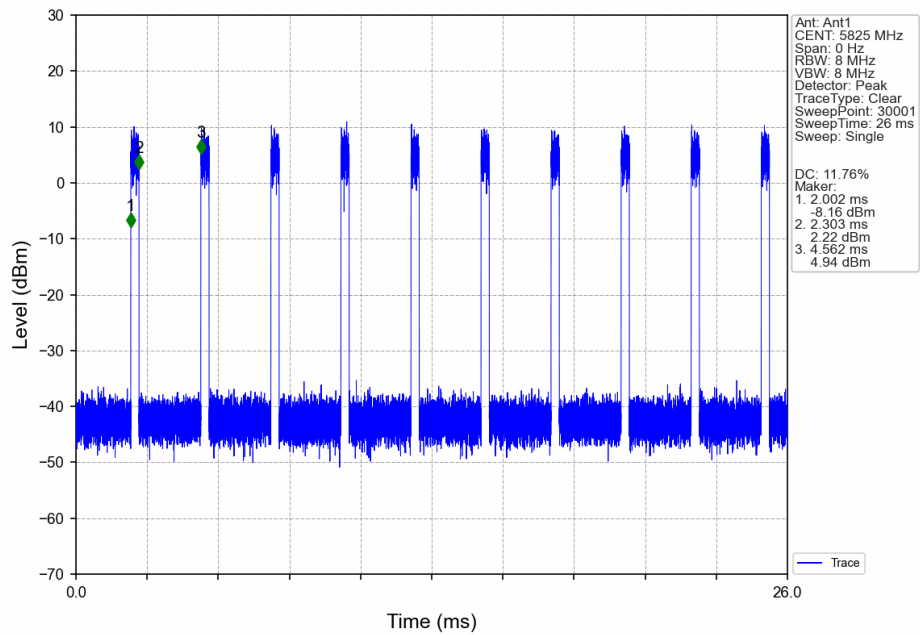
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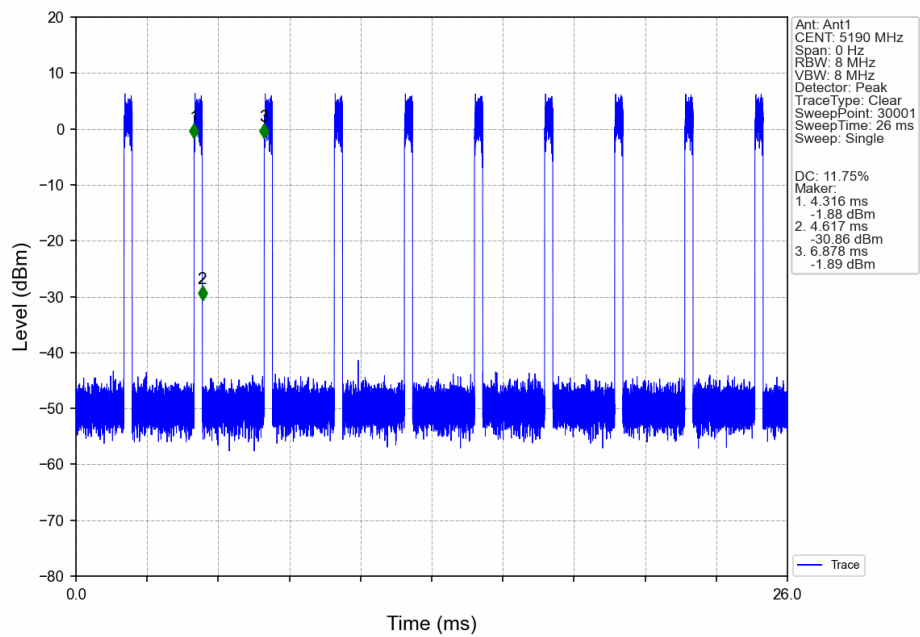
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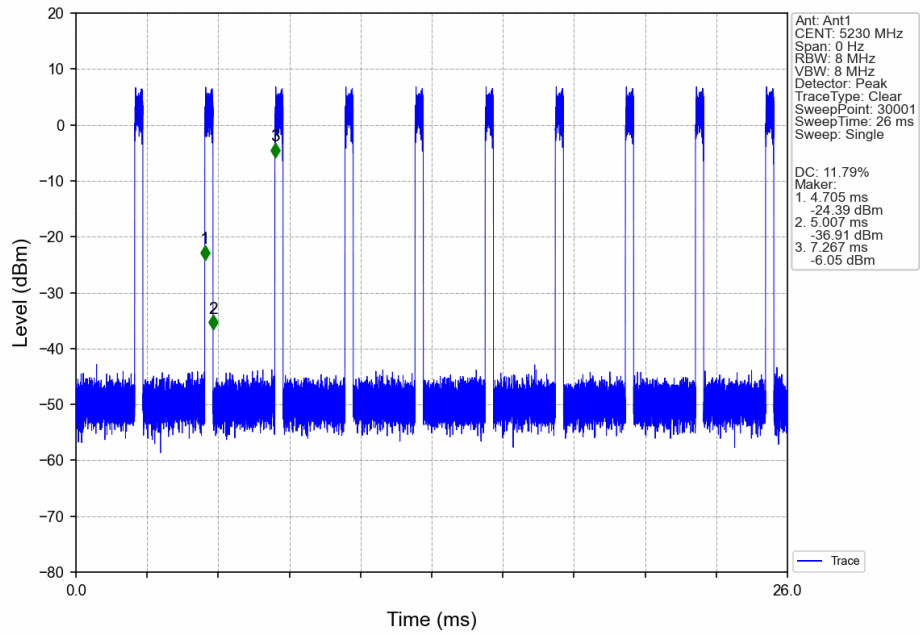
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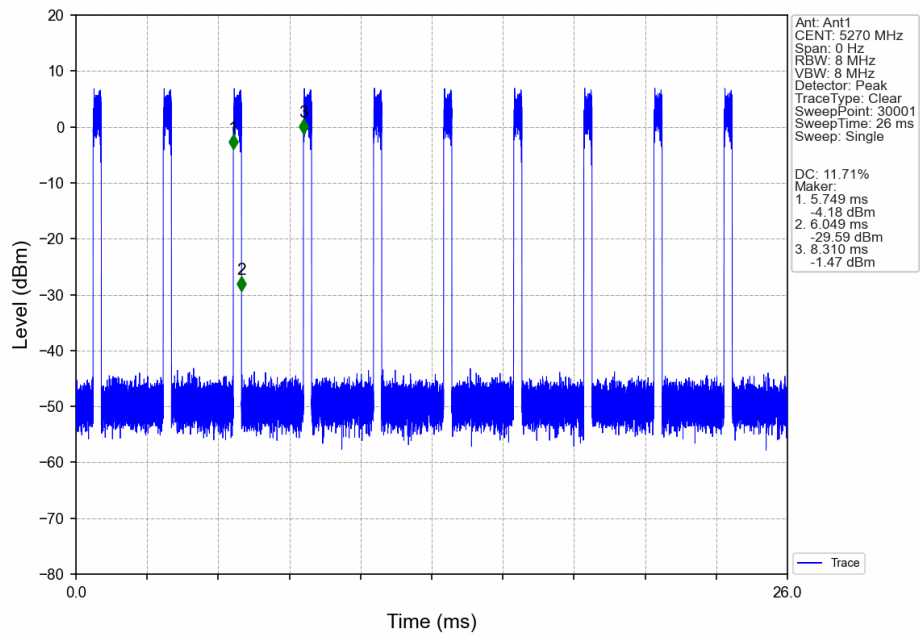
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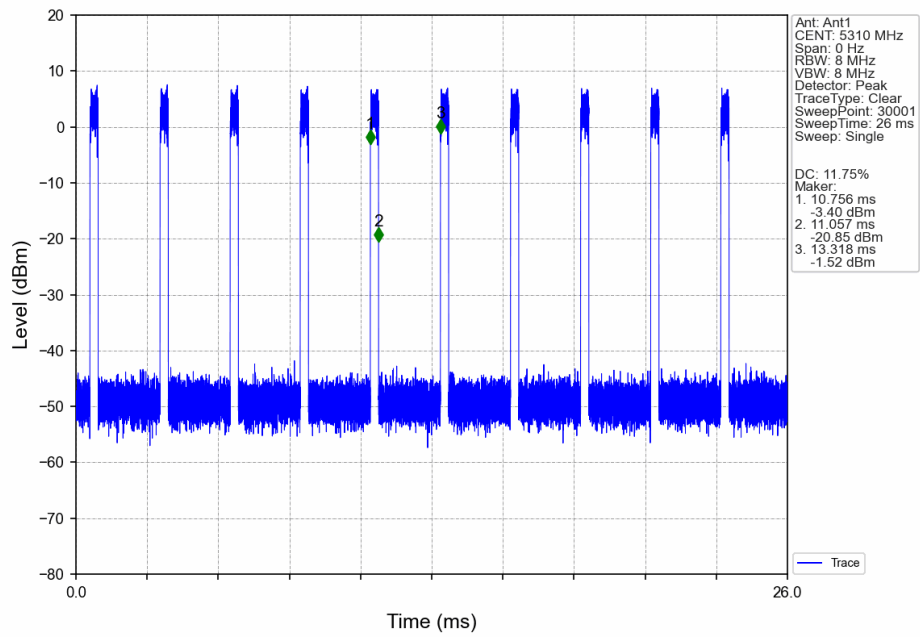
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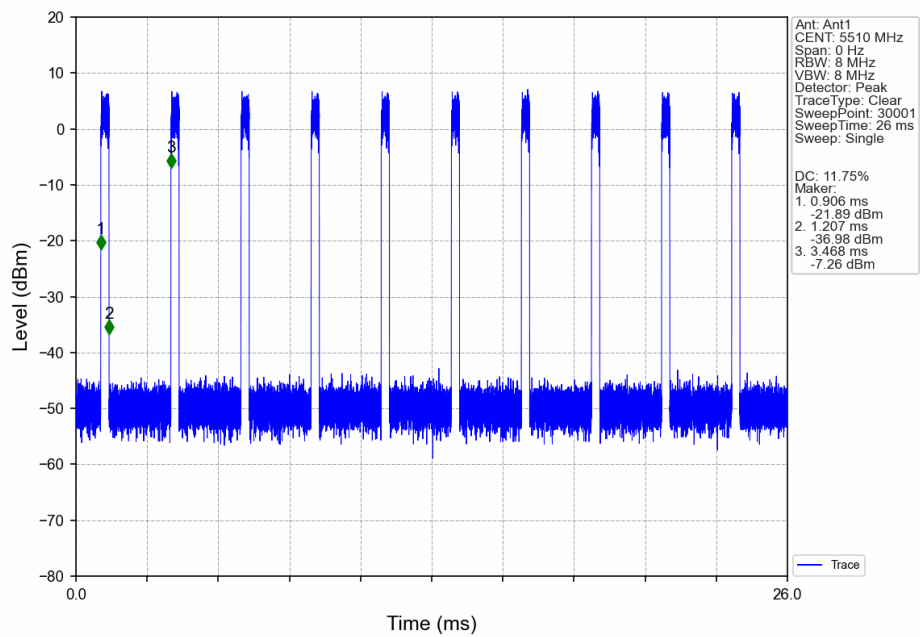
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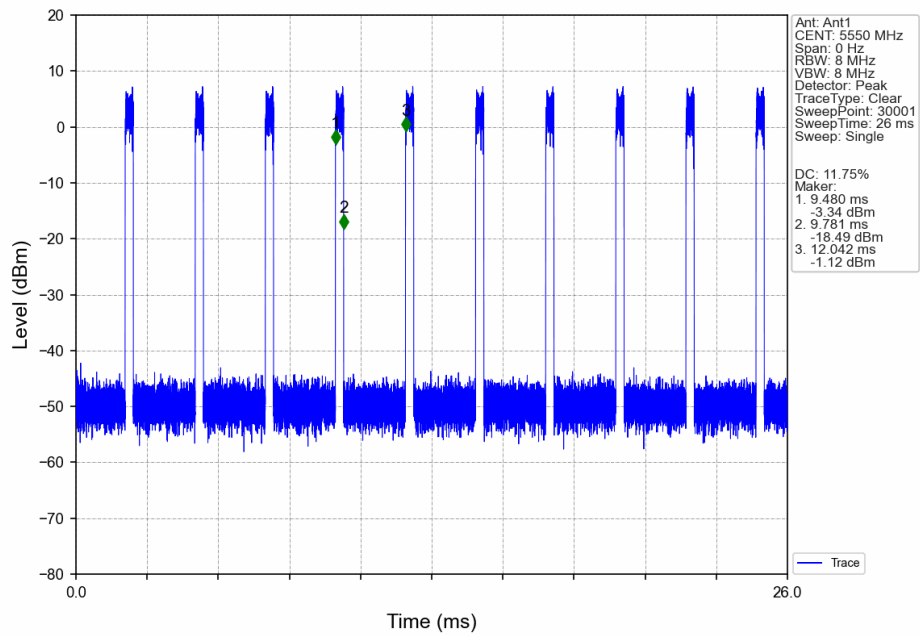
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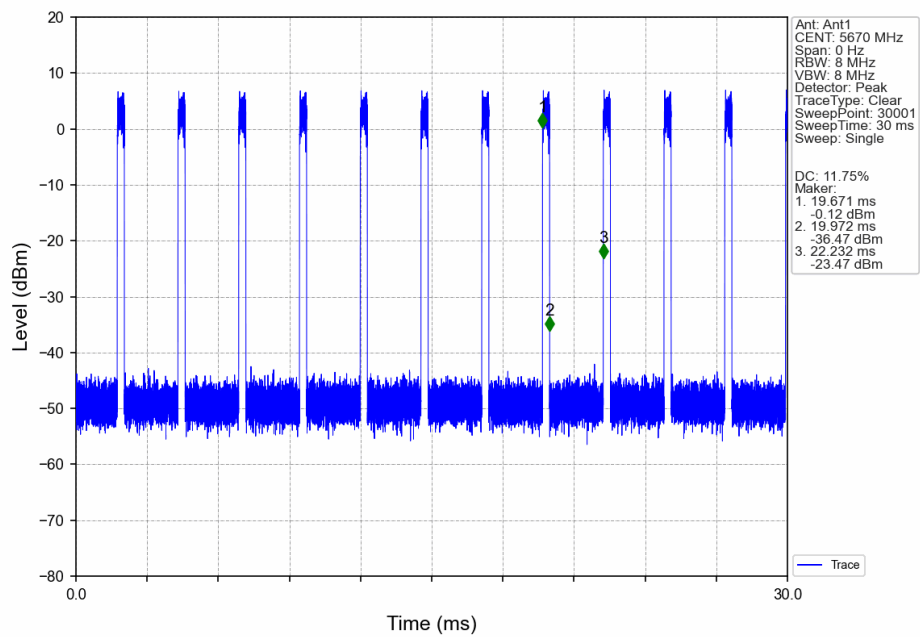
802.11ac(VHT40) LCH 5510MHz Ant1 NTVN



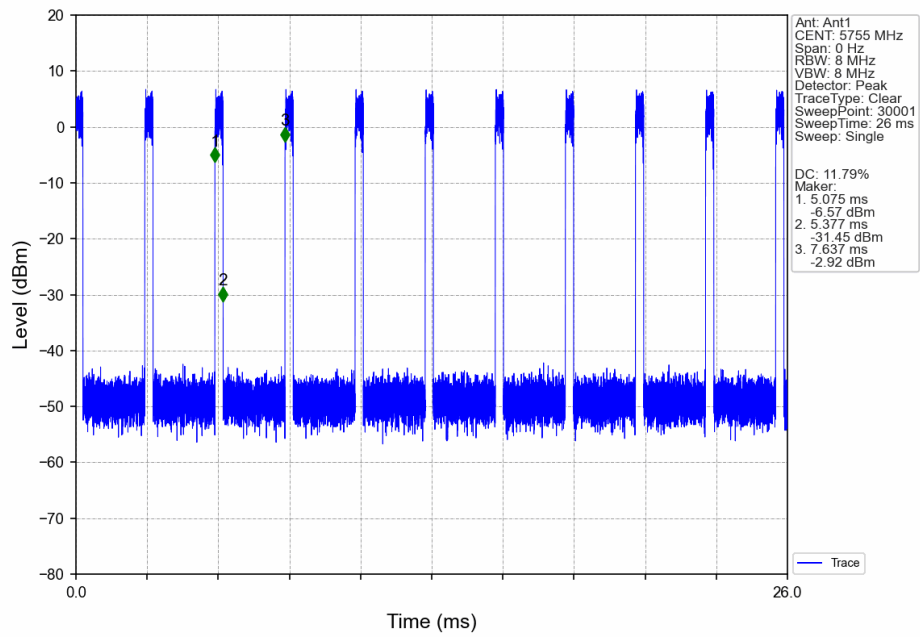
802.11ac(VHT40) MCH 5550MHz Ant1 NTN



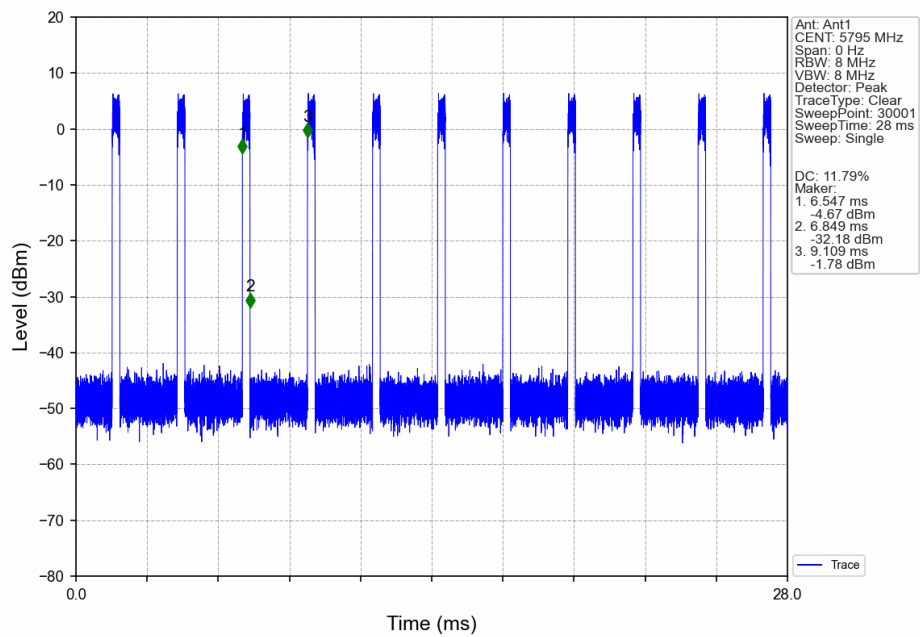
802.11ac(VHT40) HCH 5670MHz Ant1 NTN



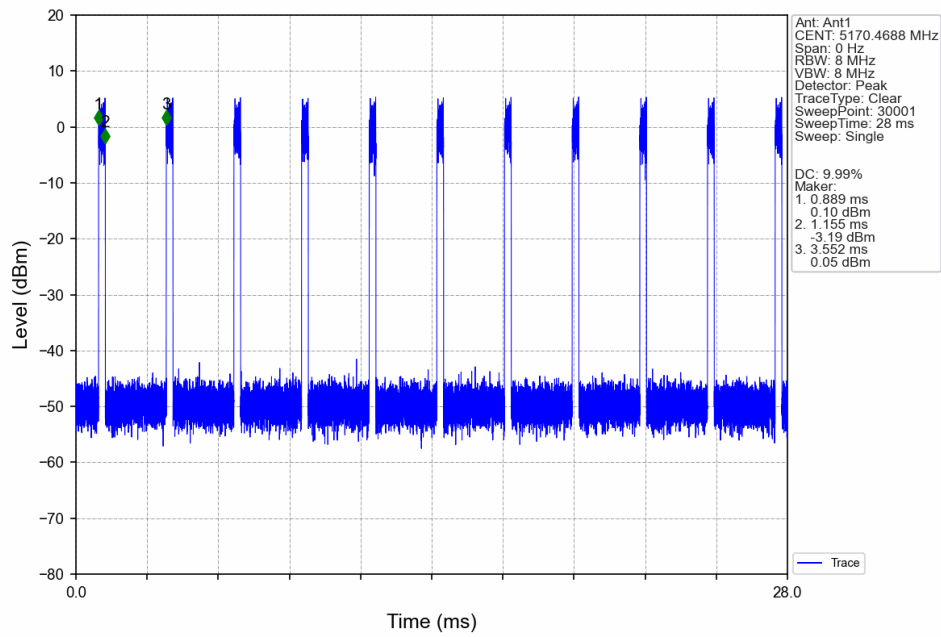
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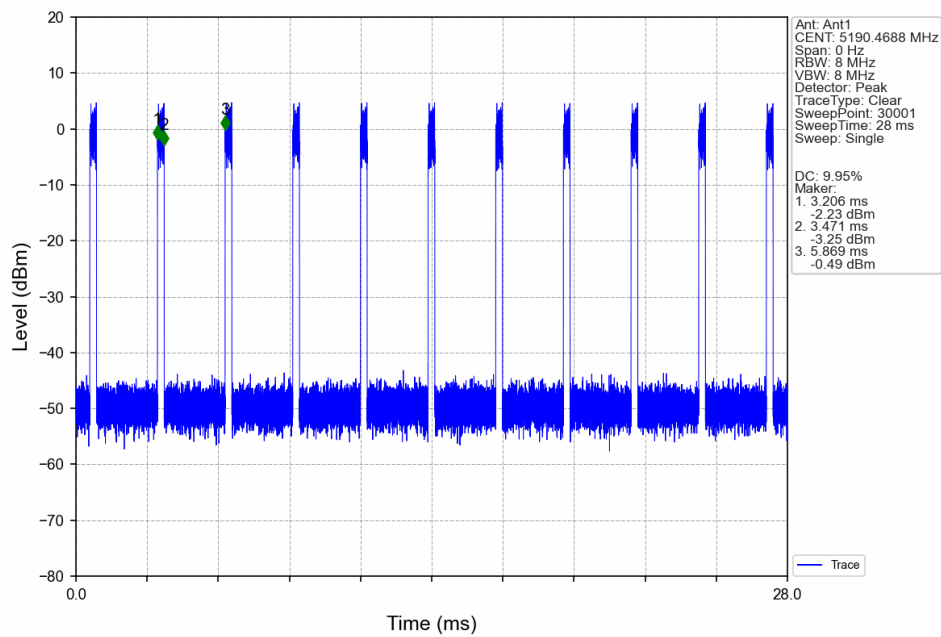
802.11ac(VHT40) HCH 5795MHz Ant1 NTN



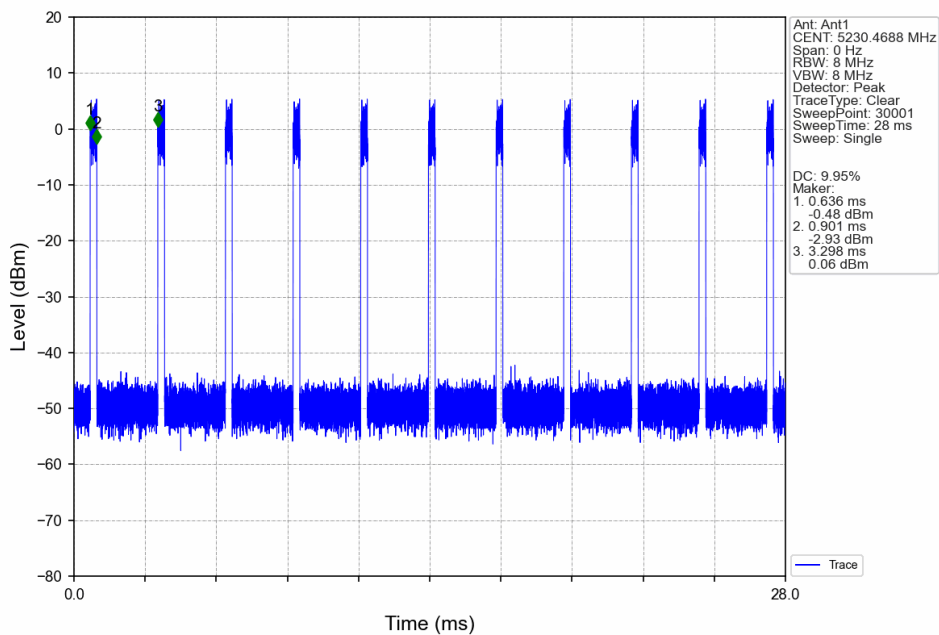
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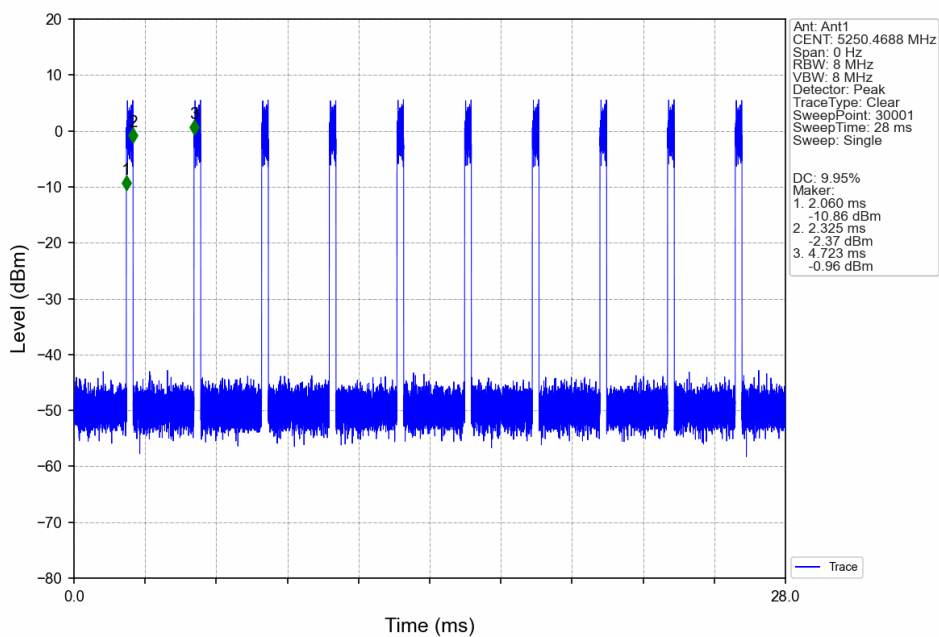
802.11ax(HEW20) MCH 5200MHz SU / Ant1 NTN



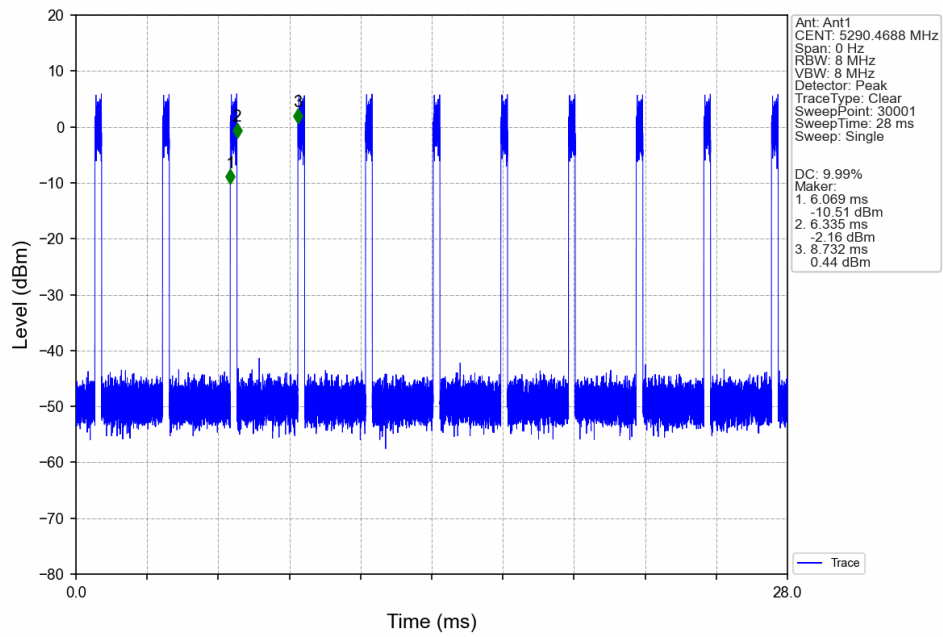
802.11ax(HEW20) HCH 5240MHz SU / Ant1 NTN



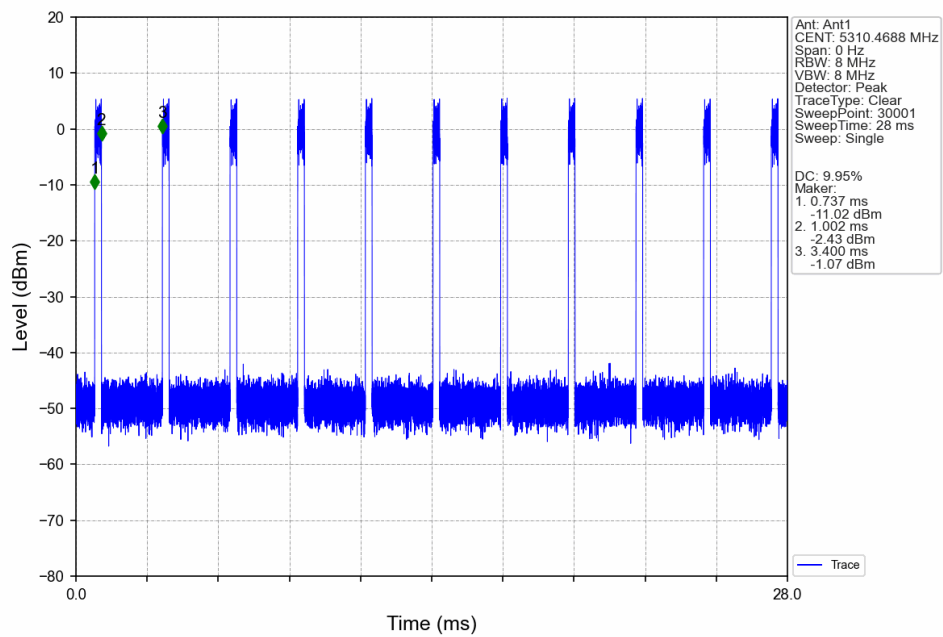
802.11ax(HEW20) LCH 5260MHz SU / Ant1 NTN



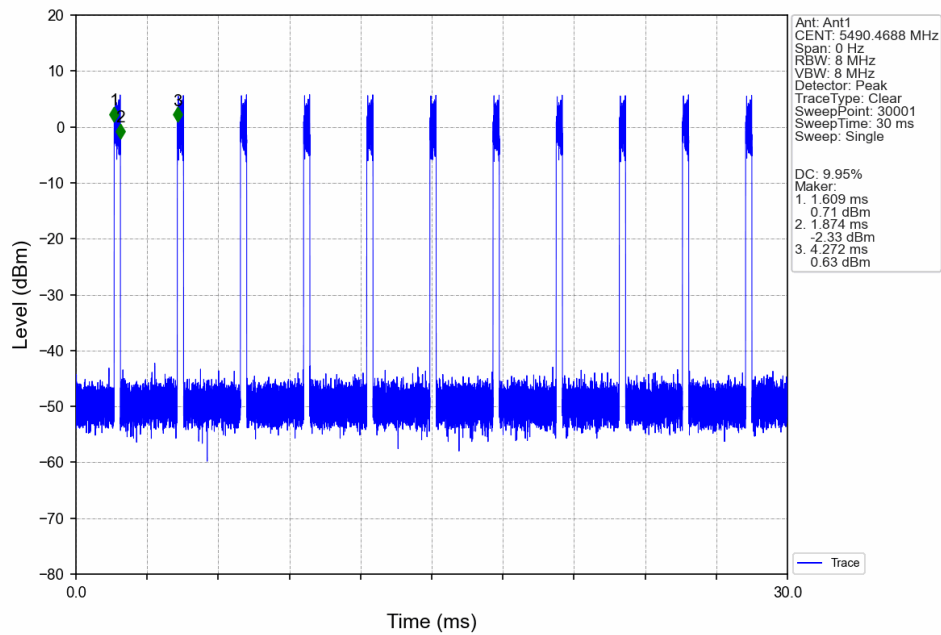
802.11ax(HEW20) MCH 5300MHz SU / Ant1 NTN



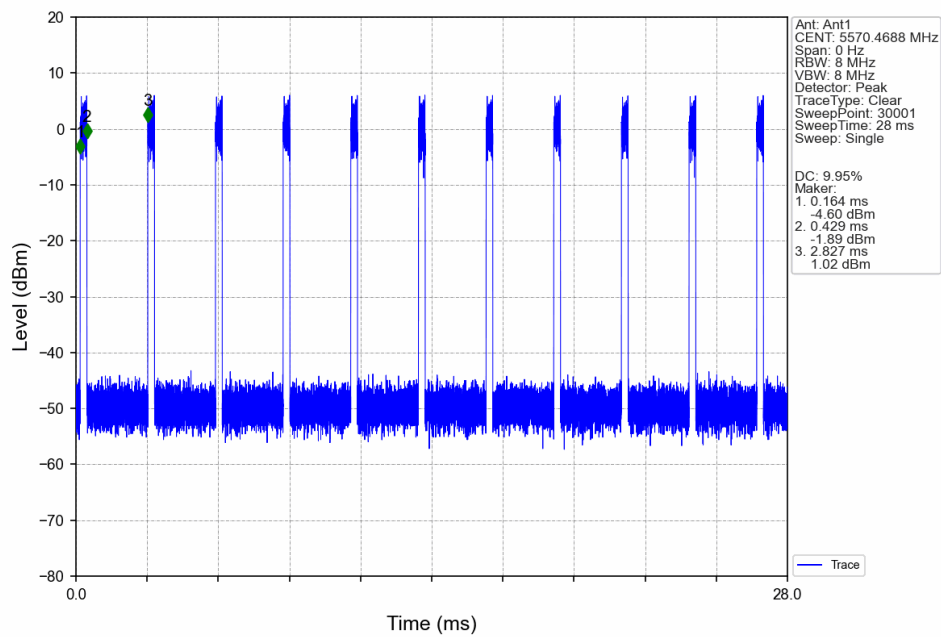
802.11ax(HEW20) HCH 5320MHz SU / Ant1 NTN



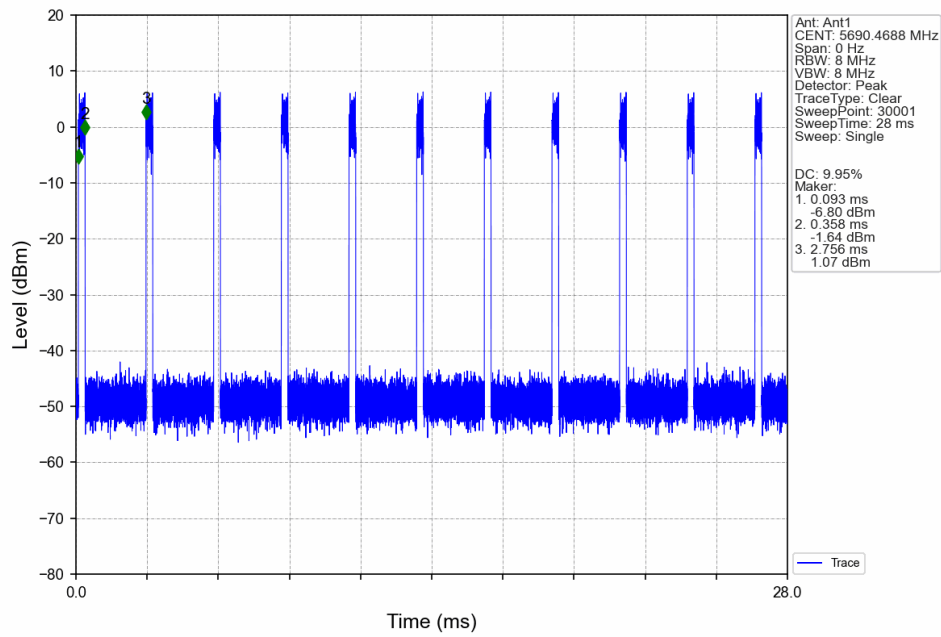
802.11ax(HEW20) LCH 5500MHz SU / Ant1 NTN



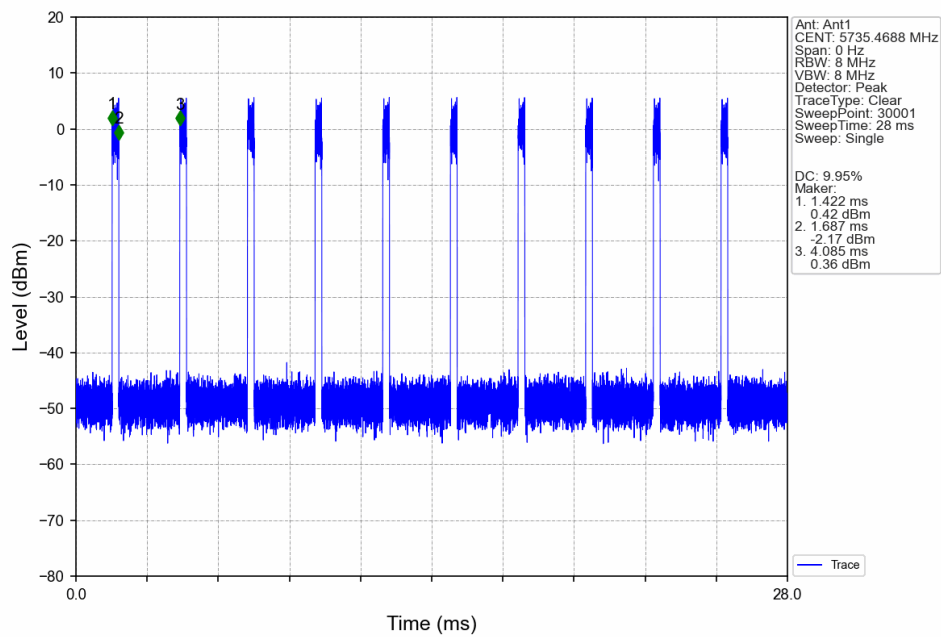
802.11ax(HEW20) MCH 5580MHz SU / Ant1 NTN



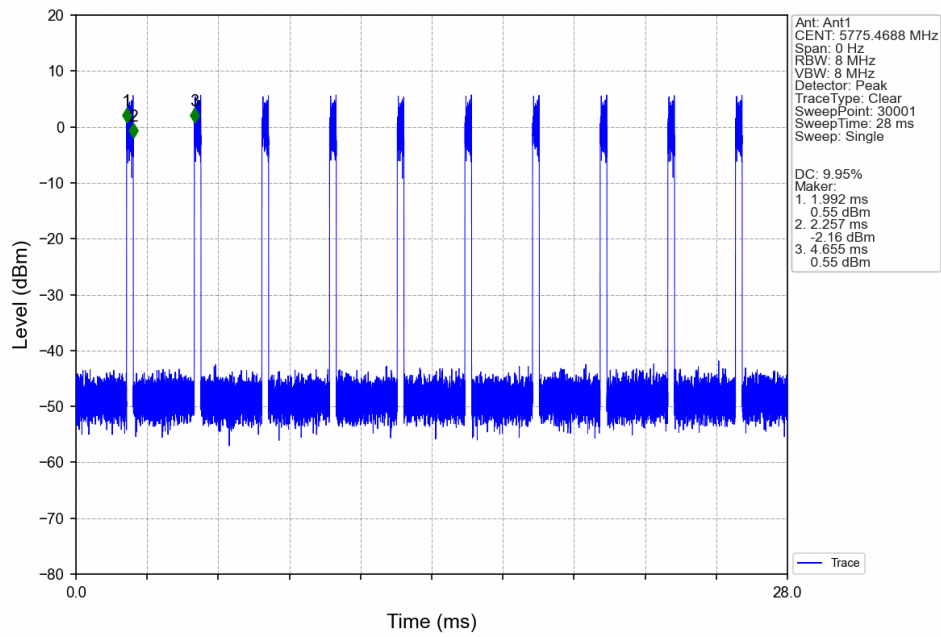
802.11ax(HEW20) HCH 5700MHz SU / Ant1 NTN



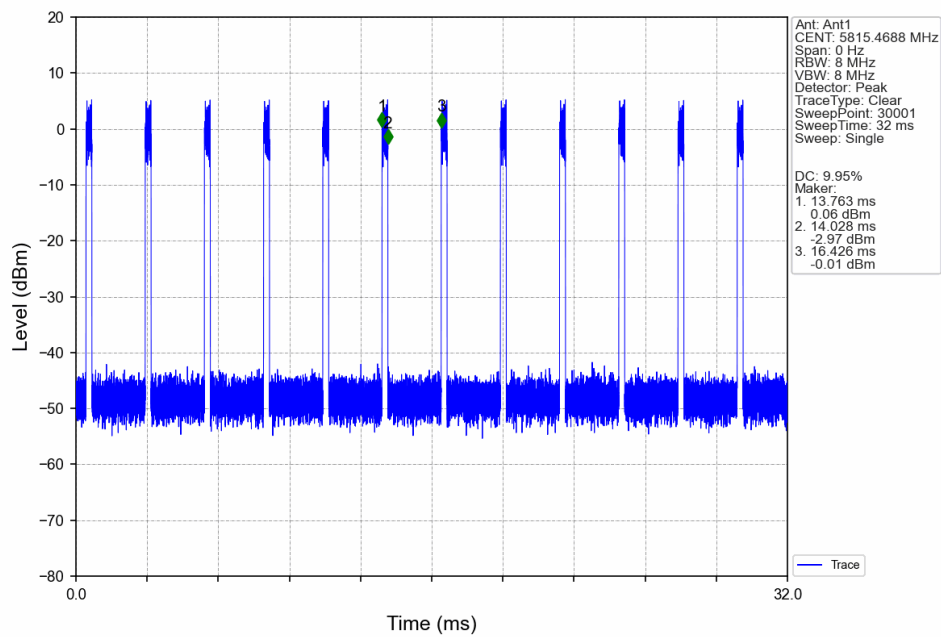
802.11ax(HEW20) LCH 5745MHz SU / Ant1 NTN



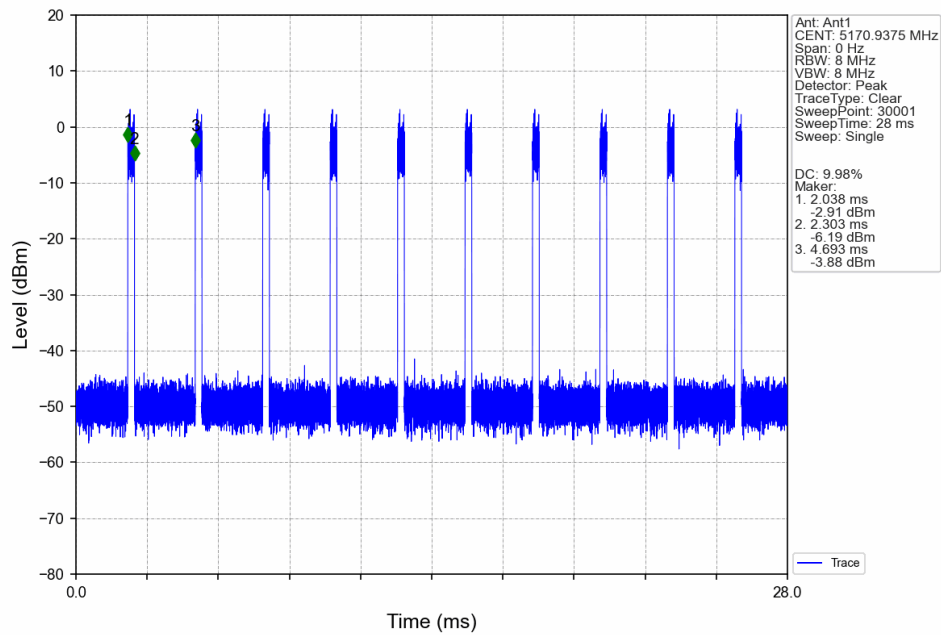
802.11ax(HEW20) MCH 5785MHz SU / Ant1 NTN



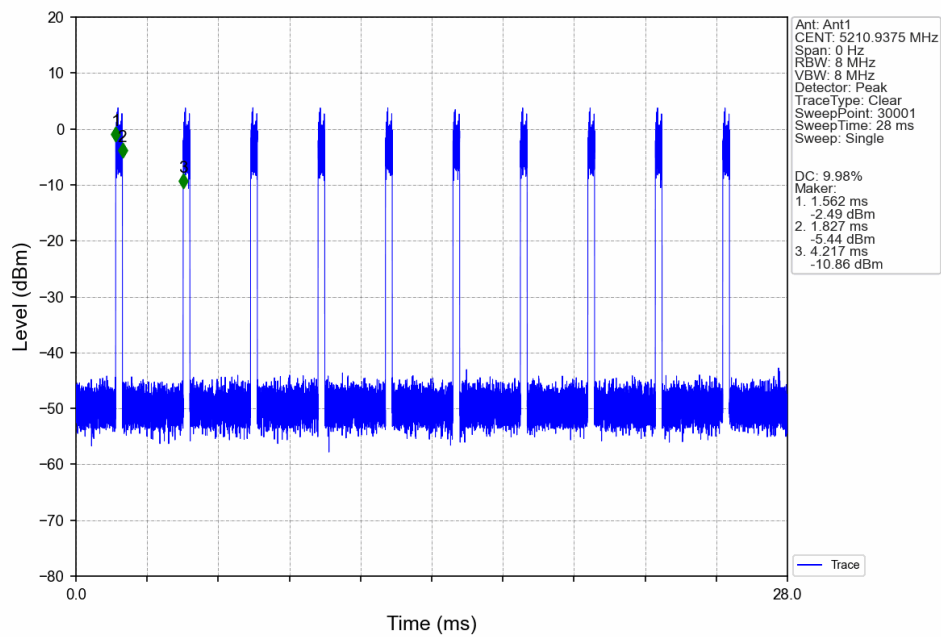
802.11ax(HEW20) HCH 5825MHz SU / Ant1 NTN



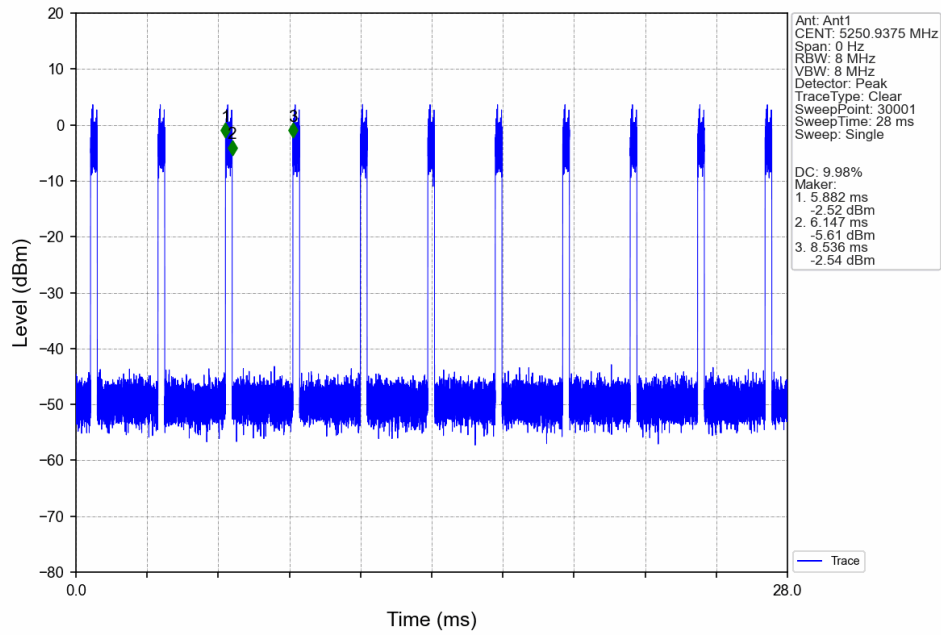
802.11ax(HEW40) LCH 5190MHz SU / Ant1 NTN



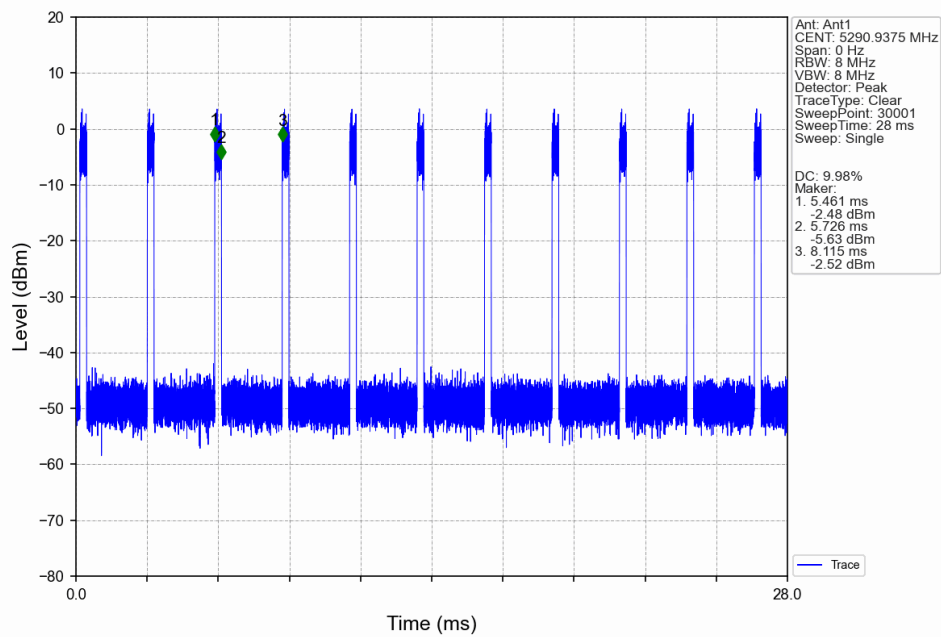
802.11ax(HEW40) HCH 5230MHz SU / Ant1 NTN



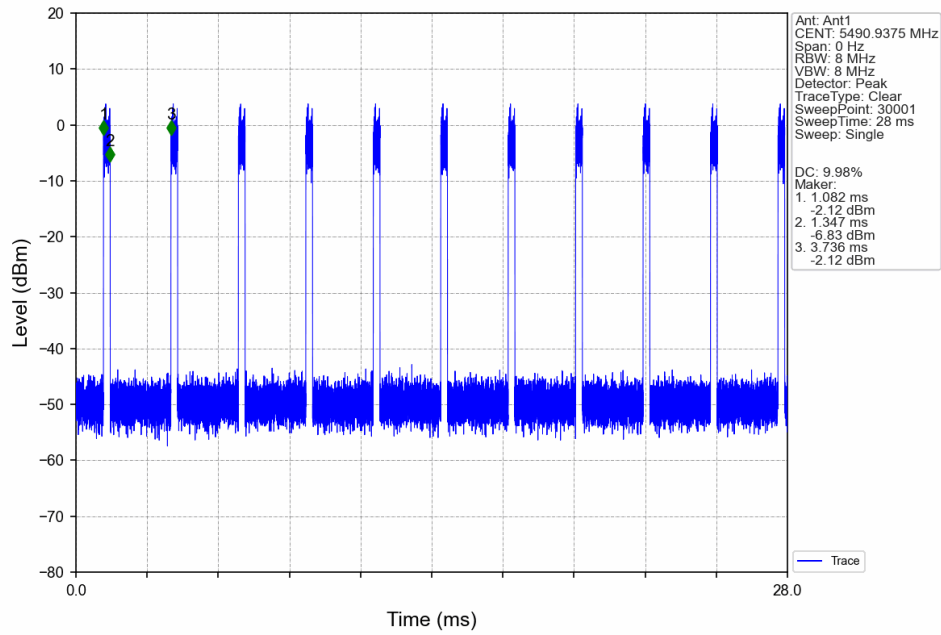
802.11ax(HEW40) LCH 5270MHz SU / Ant1 NTN



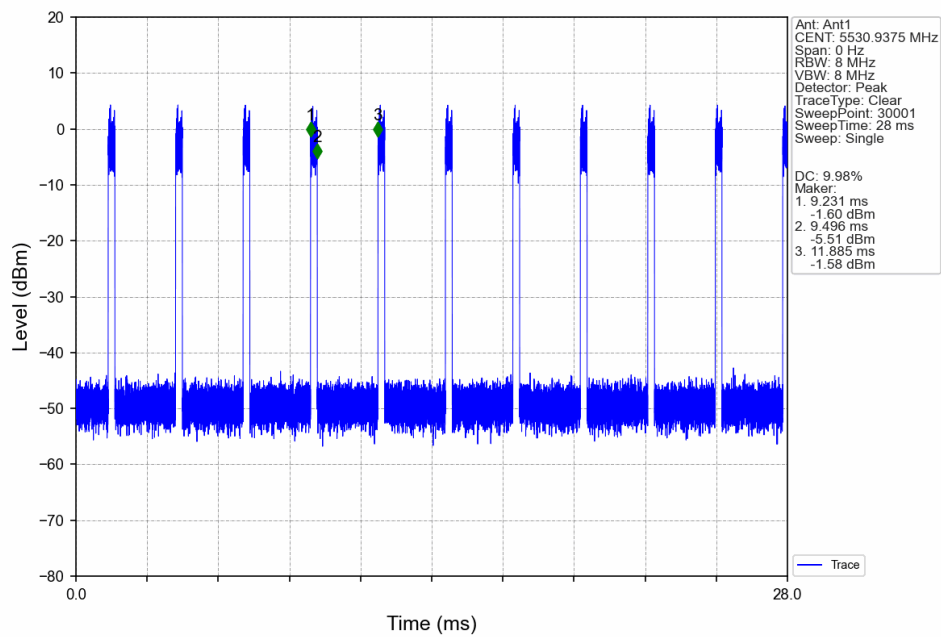
802.11ax(HEW40) HCH 5310MHz SU / Ant1 NTN



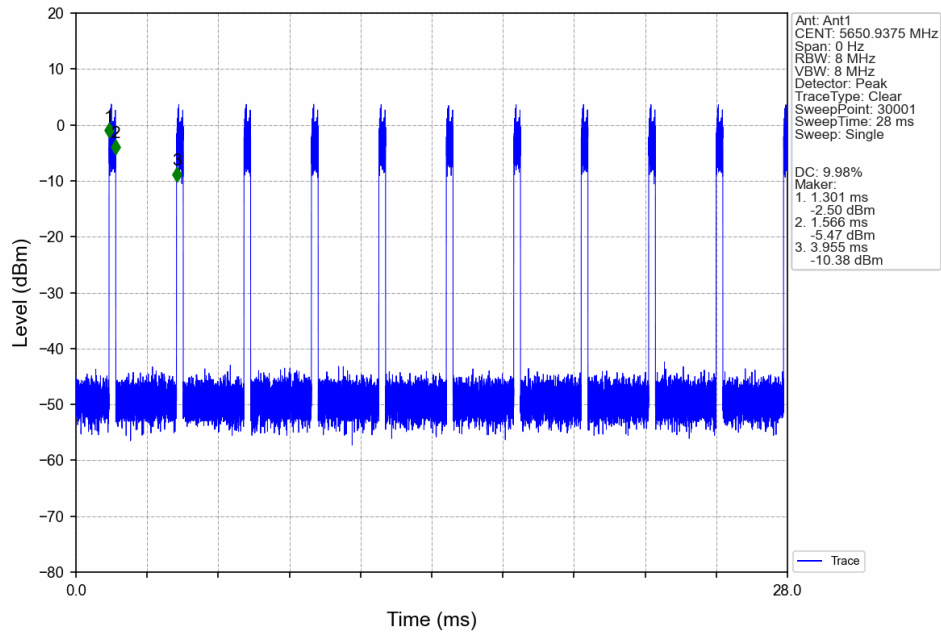
802.11ax(HEW40) LCH 5510MHz SU / Ant1 NTN



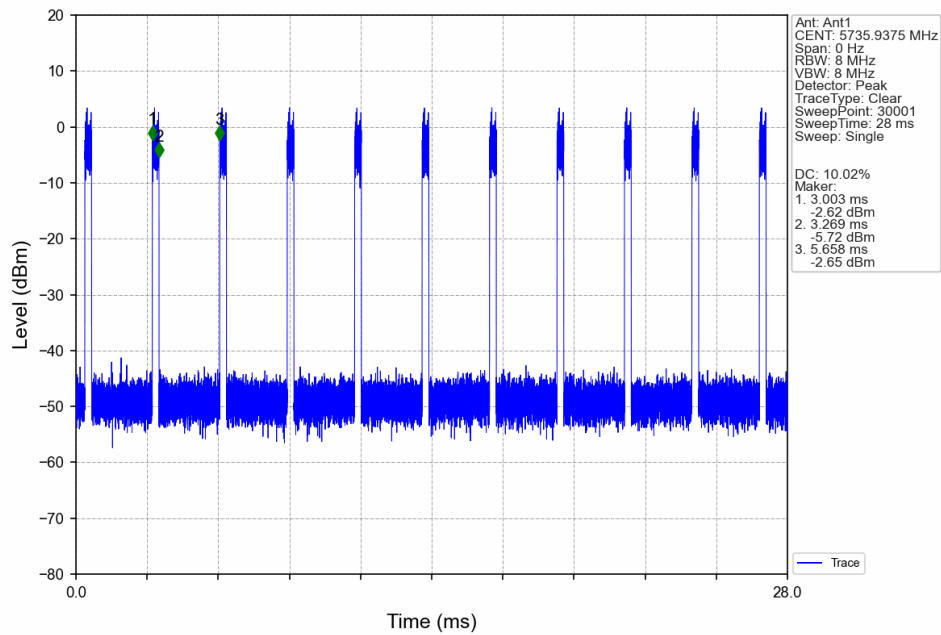
802.11ax(HEW40) MCH 5550MHz SU / Ant1 NTN



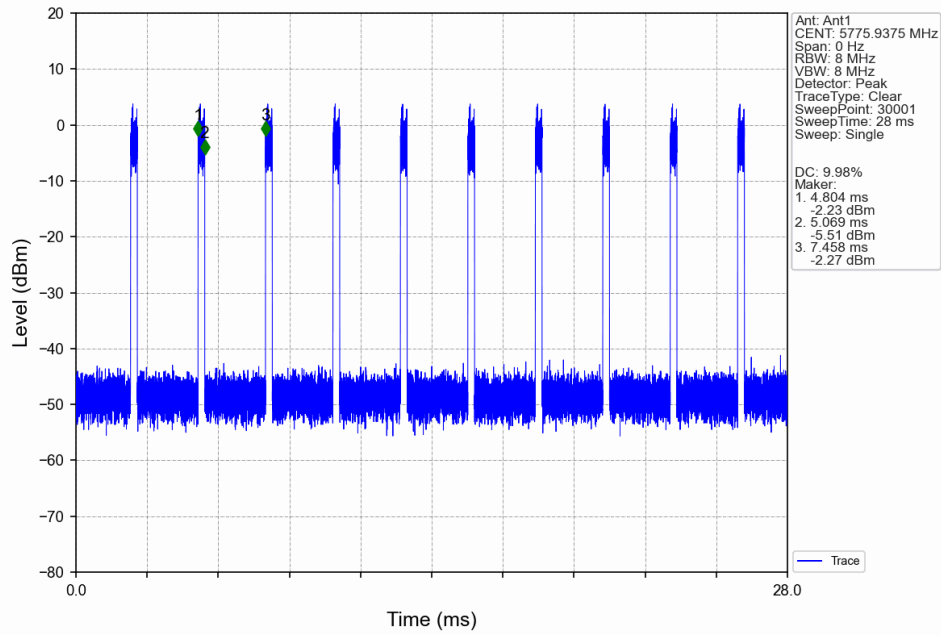
802.11ax(HEW40) HCH 5670MHz SU / Ant1 NTN



802.11ax(HEW40) LCH 5755MHz SU / Ant1 NTN



802.11ax(HEW40) HCH 5795MHz SU / Ant1 NTN



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	/	/	1	16.367	/	Pass
		5200	/	/	1	16.394	/	Pass
		5240	/	/	1	16.426	/	Pass
		5260	/	/	1	16.422	/	Pass
		5300	/	/	1	16.399	/	Pass
		5320	/	/	1	16.403	/	Pass
		5500	/	/	1	16.412	/	Pass
		5580	/	/	1	16.473	/	Pass
		5700	/	/	1	16.361	/	Pass
		5745	/	/	1	16.336	/	Pass
		5785	/	/	1	16.368	/	Pass
		5825	/	/	1	16.388	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	17.610	/	Pass
		5200	/	/	1	17.572	/	Pass
		5240	/	/	1	17.587	/	Pass
		5260	/	/	1	17.598	/	Pass
		5300	/	/	1	17.618	/	Pass
		5320	/	/	1	17.606	/	Pass
		5500	/	/	1	17.598	/	Pass
		5580	/	/	1	17.601	/	Pass
		5700	/	/	1	17.611	/	Pass
		5745	/	/	1	17.649	/	Pass
		5785	/	/	1	17.609	/	Pass
		5825	/	/	1	17.611	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	36.084	/	Pass
		5230	/	/	1	35.939	/	Pass
		5270	/	/	1	35.992	/	Pass
		5310	/	/	1	36.020	/	Pass
		5510	/	/	1	35.999	/	Pass
		5550	/	/	1	35.958	/	Pass
		5670	/	/	1	35.968	/	Pass
		5755	/	/	1	36.074	/	Pass
		5795	/	/	1	35.981	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	17.670	/	Pass
		5200	/	/	1	17.661	/	Pass
		5240	/	/	1	17.659	/	Pass
		5260	/	/	1	17.671	/	Pass
		5300	/	/	1	17.678	/	Pass
		5320	/	/	1	17.632	/	Pass
		5500	/	/	1	17.670	/	Pass
		5580	/	/	1	17.675	/	Pass
		5700	/	/	1	17.602	/	Pass
		5745	/	/	1	17.651	/	Pass
		5785	/	/	1	17.668	/	Pass
		5825	/	/	1	17.691	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	36.032	/	Pass
		5230	/	/	1	35.967	/	Pass

		5270	/	/	1	36.052	/	Pass
		5310	/	/	1	35.995	/	Pass
		5510	/	/	1	35.983	/	Pass
		5550	/	/	1	36.105	/	Pass
		5670	/	/	1	36.053	/	Pass
		5755	/	/	1	36.056	/	Pass
		5795	/	/	1	36.058	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	18.871	/	Pass
		5200	SU	/	1	18.825	/	Pass
		5240	SU	/	1	18.908	/	Pass
		5260	SU	/	1	18.844	/	Pass
		5300	SU	/	1	18.857	/	Pass
		5320	SU	/	1	18.900	/	Pass
		5500	SU	/	1	18.887	/	Pass
		5580	SU	/	1	18.791	/	Pass
		5700	SU	/	1	18.880	/	Pass
		5745	SU	/	1	18.906	/	Pass
		5785	SU	/	1	18.941	/	Pass
		5825	SU	/	1	18.833	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	37.775	/	Pass
		5230	SU	/	1	37.877	/	Pass
		5270	SU	/	1	37.802	/	Pass
		5310	SU	/	1	37.834	/	Pass
		5510	SU	/	1	37.666	/	Pass
		5550	SU	/	1	37.838	/	Pass
		5670	SU	/	1	37.814	/	Pass
		5755	SU	/	1	37.963	/	Pass
		5795	SU	/	1	37.794	/	Pass

2.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	19.129	/	Pass
		5200	/	/	1	18.685	/	Pass
		5240	/	/	1	19.350	/	Pass
		5260	/	/	1	19.075	/	Pass
		5300	/	/	1	18.999	/	Pass
		5320	/	/	1	19.514	/	Pass
		5500	/	/	1	19.409	/	Pass
		5580	/	/	1	20.820	/	Pass
		5700	/	/	1	19.264	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	20.794	/	Pass
		5200	/	/	1	21.618	/	Pass
		5240	/	/	1	20.680	/	Pass
		5260	/	/	1	20.754	/	Pass
		5300	/	/	1	20.579	/	Pass
		5320	/	/	1	21.323	/	Pass
		5500	/	/	1	20.781	/	Pass
		5580	/	/	1	21.329	/	Pass
802.11n (HT40)	SISO	5700	/	/	1	19.863	/	Pass
		5190	/	/	1	39.082	/	Pass
		5230	/	/	1	39.004	/	Pass
		5270	/	/	1	39.012	/	Pass
		5310	/	/	1	38.887	/	Pass
		5510	/	/	1	39.001	/	Pass
		5550	/	/	1	39.047	/	Pass
		5670	/	/	1	39.173	/	Pass

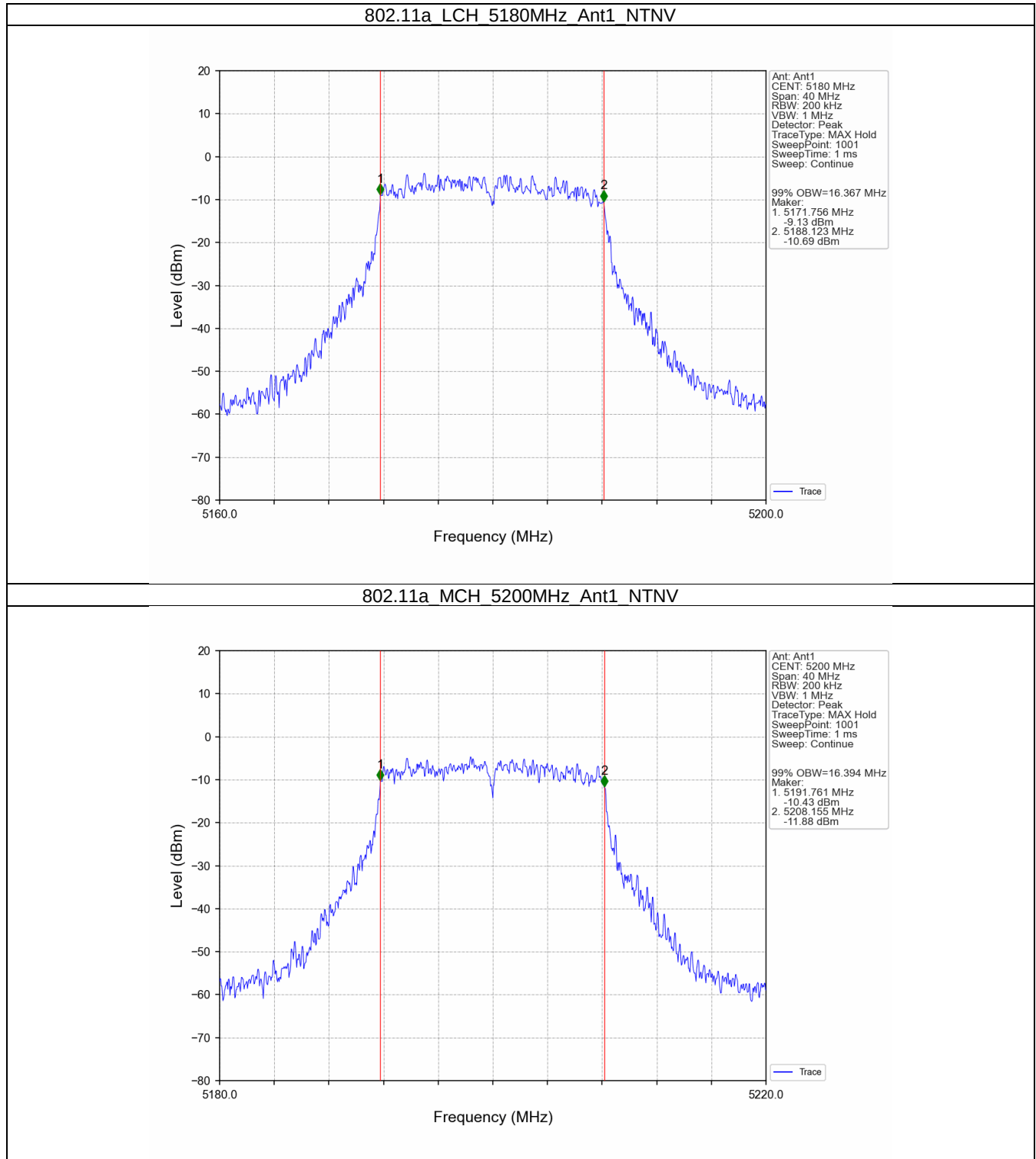
802.11ac (VHT20)	SISO	5180	/	/	1	21.811	/	Pass
		5200	/	/	1	21.680	/	Pass
		5240	/	/	1	22.288	/	Pass
		5260	/	/	1	22.104	/	Pass
		5300	/	/	1	22.153	/	Pass
		5320	/	/	1	22.236	/	Pass
		5500	/	/	1	21.345	/	Pass
		5580	/	/	1	22.259	/	Pass
802.11ac (VHT40)	SISO	5700	/	/	1	22.098	/	Pass
		5190	/	/	1	38.908	/	Pass
		5230	/	/	1	38.933	/	Pass
		5270	/	/	1	38.717	/	Pass
		5310	/	/	1	38.808	/	Pass
		5510	/	/	1	38.803	/	Pass
		5550	/	/	1	38.857	/	Pass
802.11ax (HEW20)	SISO	5670	/	/	1	38.723	/	Pass
		5180	SU	/	1	21.295	/	Pass
		5200	SU	/	1	21.347	/	Pass
		5240	SU	/	1	21.338	/	Pass
		5260	SU	/	1	21.511	/	Pass
		5300	SU	/	1	21.457	/	Pass
		5320	SU	/	1	20.991	/	Pass
		5500	SU	/	1	20.419	/	Pass
802.11ax (HEW40)	SISO	5580	SU	/	1	21.216	/	Pass
		5700	SU	/	1	21.099	/	Pass
		5190	SU	/	1	40.279	/	Pass
		5230	SU	/	1	40.098	/	Pass
		5270	SU	/	1	40.173	/	Pass
		5310	SU	/	1	40.311	/	Pass
		5510	SU	/	1	40.169	/	Pass
	SISO	5550	SU	/	1	40.245	/	Pass
		5670	SU	/	1	40.307	/	Pass

2.1.3 6dB BW

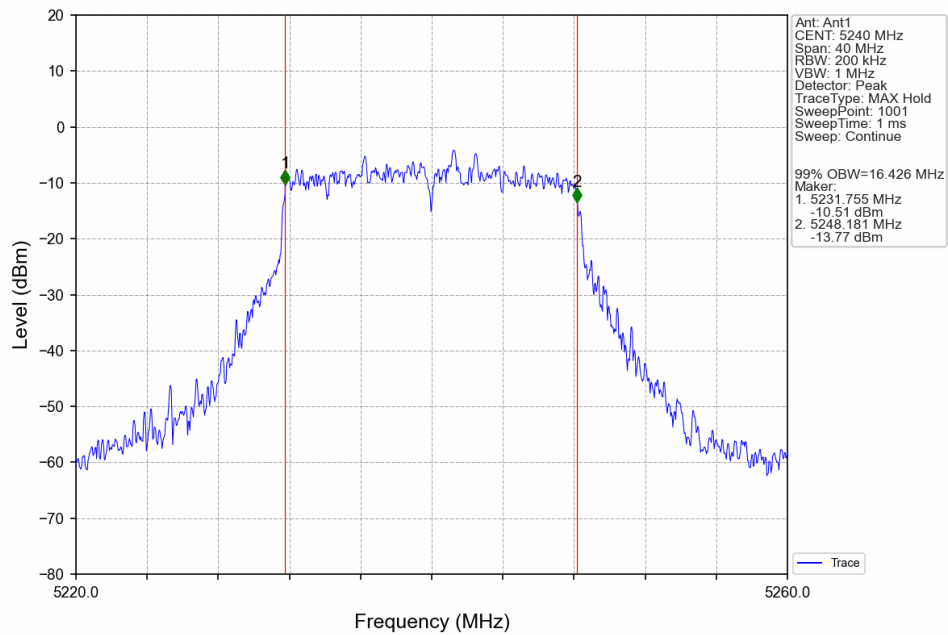
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	15.126	>=0.5	Pass
		5785	/	/	1	13.906	>=0.5	Pass
		5825	/	/	1	16.321	>=0.5	Pass
802.11n (HT20)	SISO	5745	/	/	1	16.689	>=0.5	Pass
		5785	/	/	1	16.383	>=0.5	Pass
		5825	/	/	1	17.287	>=0.5	Pass
802.11n (HT40)	SISO	5755	/	/	1	33.907	>=0.5	Pass
		5795	/	/	1	35.477	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	14.651	>=0.5	Pass
		5785	/	/	1	15.631	>=0.5	Pass
		5825	/	/	1	14.383	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	31.210	>=0.5	Pass
		5795	/	/	1	35.462	>=0.5	Pass
802.11ax (HEW20)	SISO	5745	SU	/	1	12.662	>=0.5	Pass
		5785	SU	/	1	16.348	>=0.5	Pass
		5825	SU	/	1	16.745	>=0.5	Pass
802.11ax (HEW40)	SISO	5755	SU	/	1	35.187	>=0.5	Pass
		5795	SU	/	1	34.379	>=0.5	Pass

2.2 Test Graph

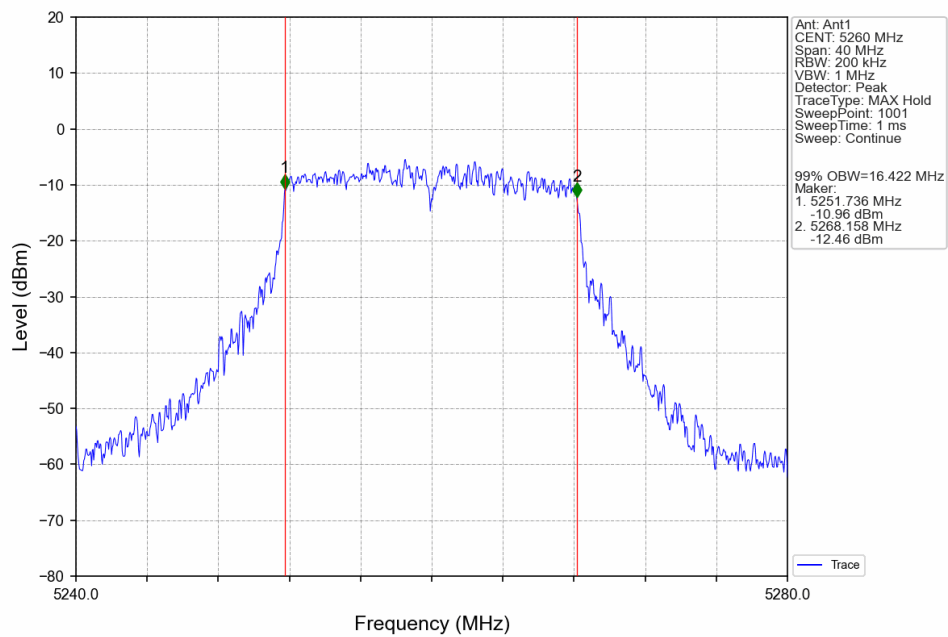
2.2.1 OBW



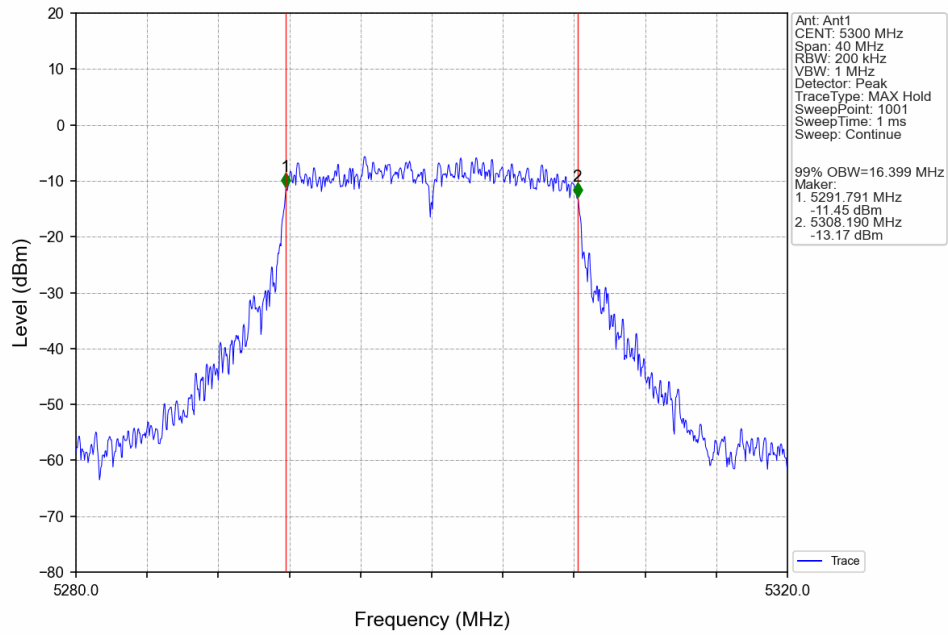
802.11a HCH 5240MHz Ant1 NTN



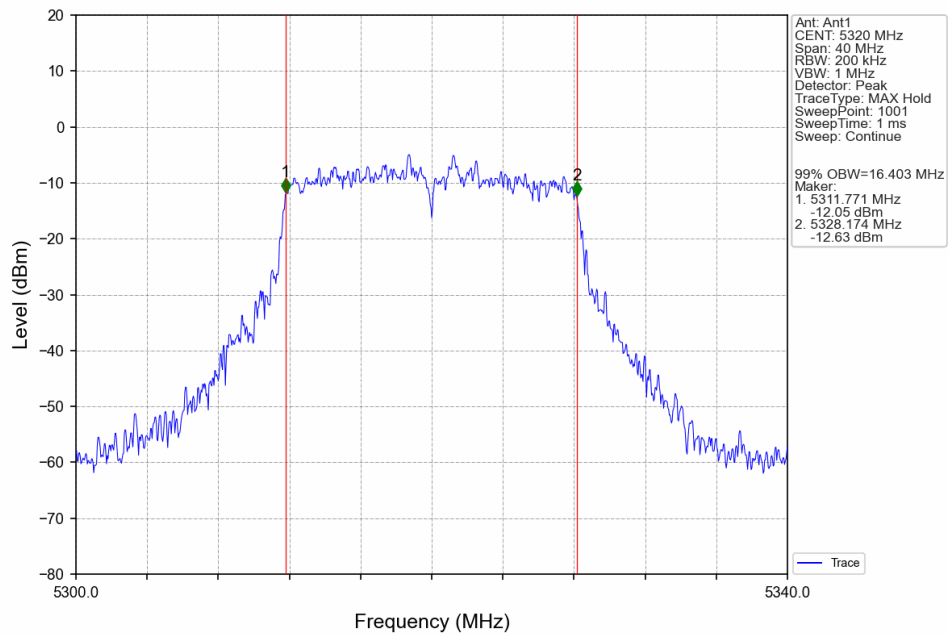
802.11a LCH 5260MHz Ant1 NTN



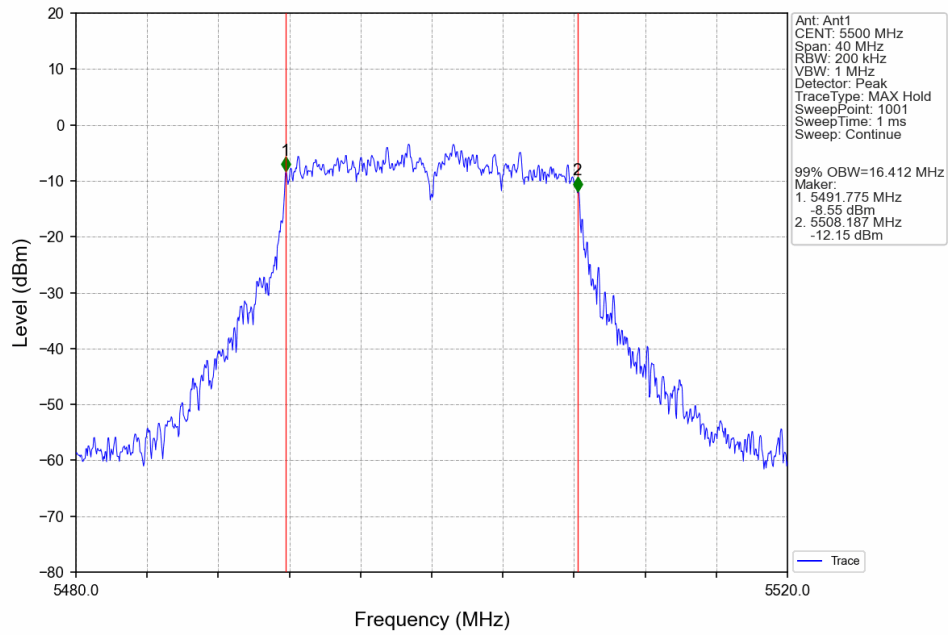
802.11a MCH 5300MHz Ant1 NTN



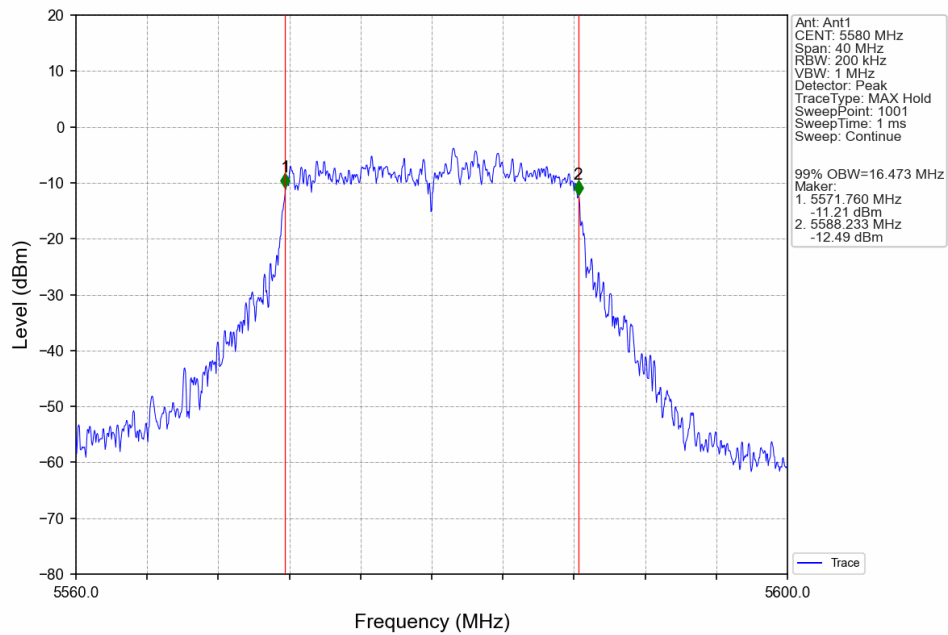
802.11a HCH 5320MHz Ant1 NTN



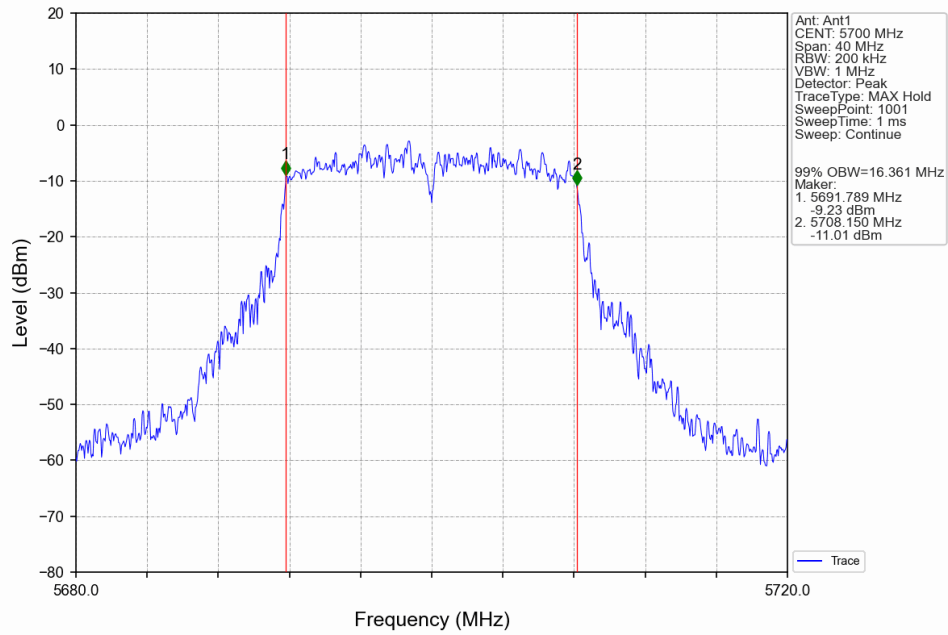
802.11a LCH 5500MHz Ant1 NTNV



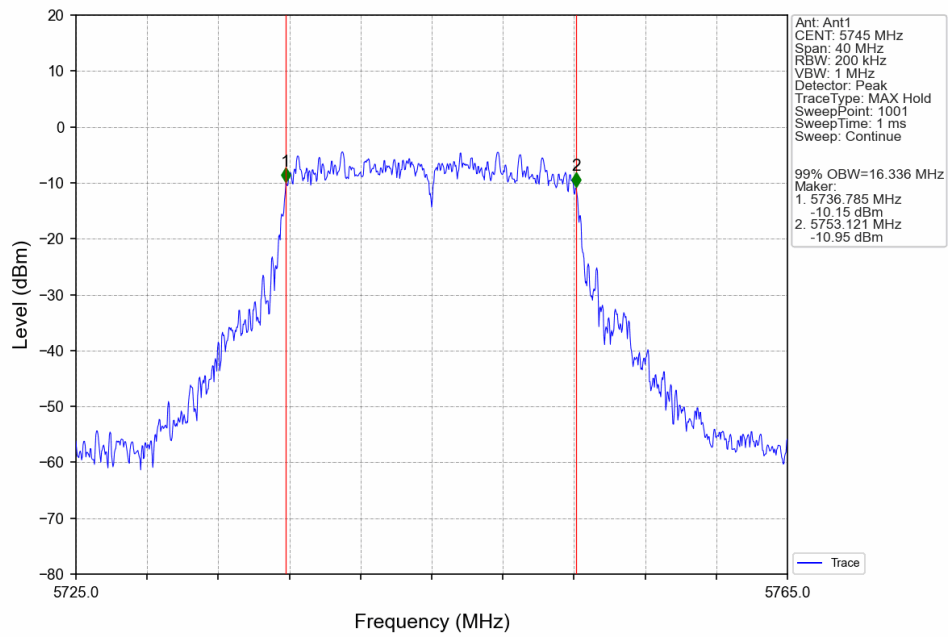
802.11a MCH 5580MHz Ant1 NTNV



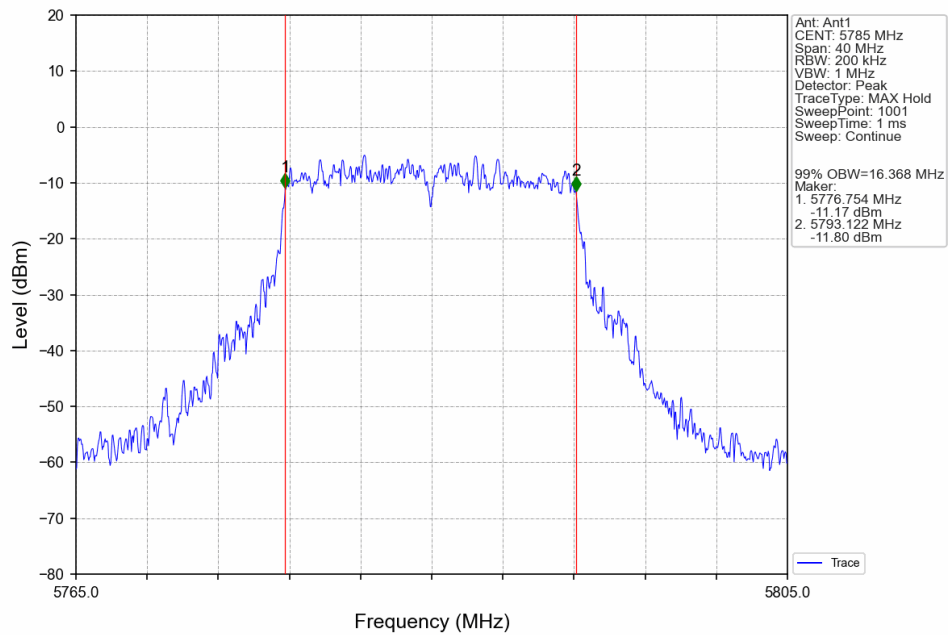
802.11a HCH 5700MHz Ant1 NTN



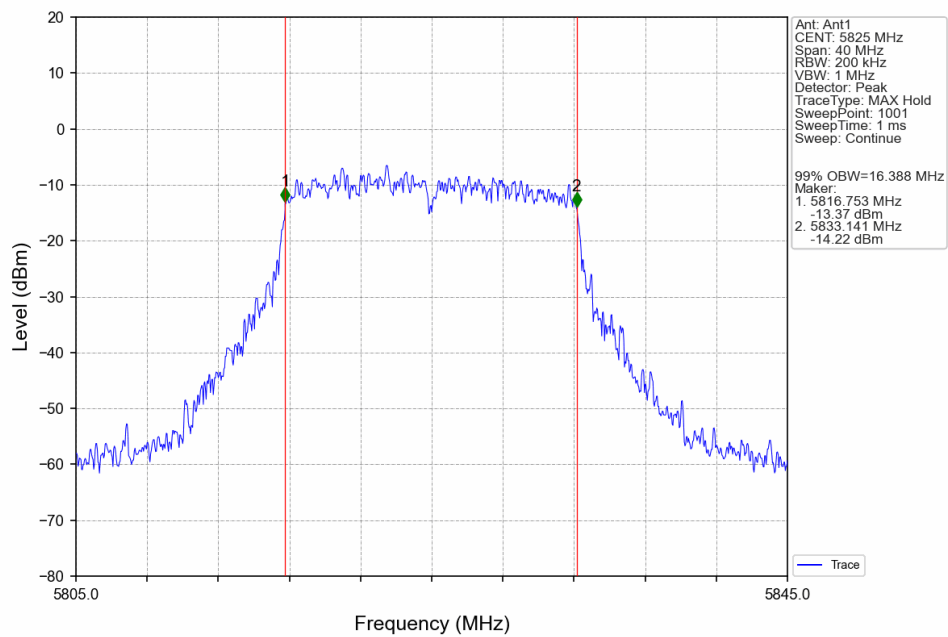
802.11a LCH 5745MHz Ant1 NTN



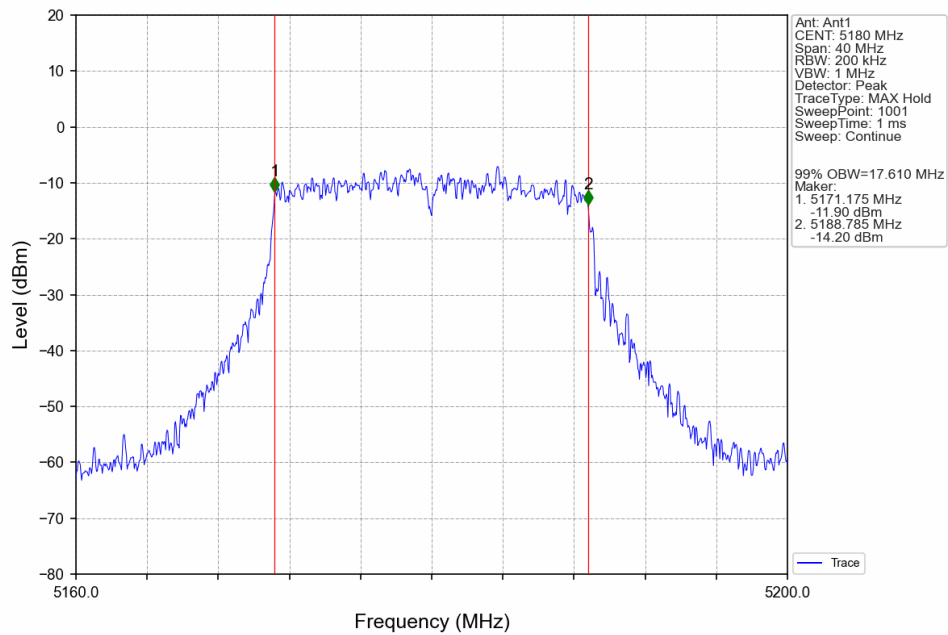
802.11a MCH 5785MHz Ant1 NTV



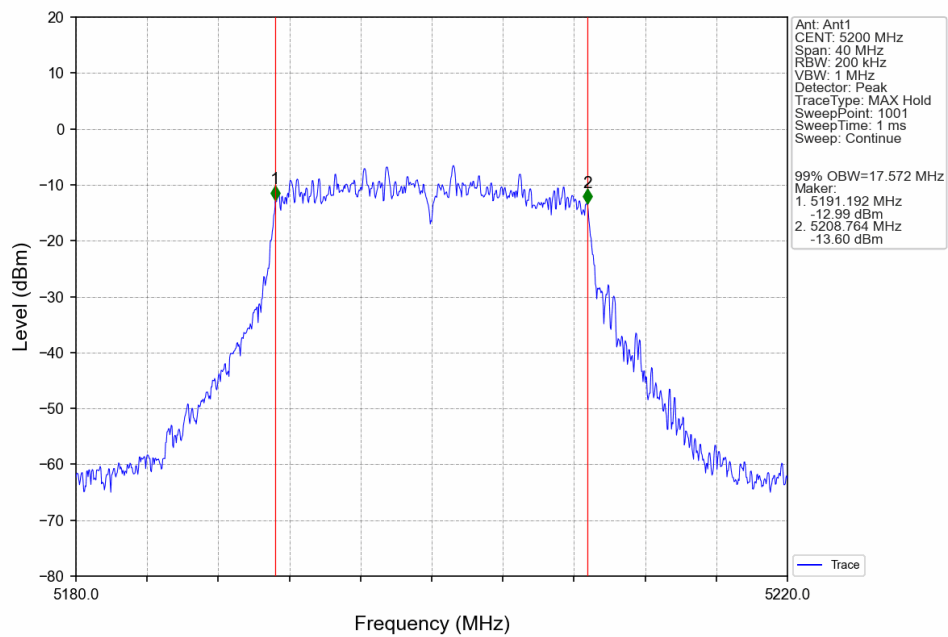
802.11a HCH 5825MHz Ant1 NTV



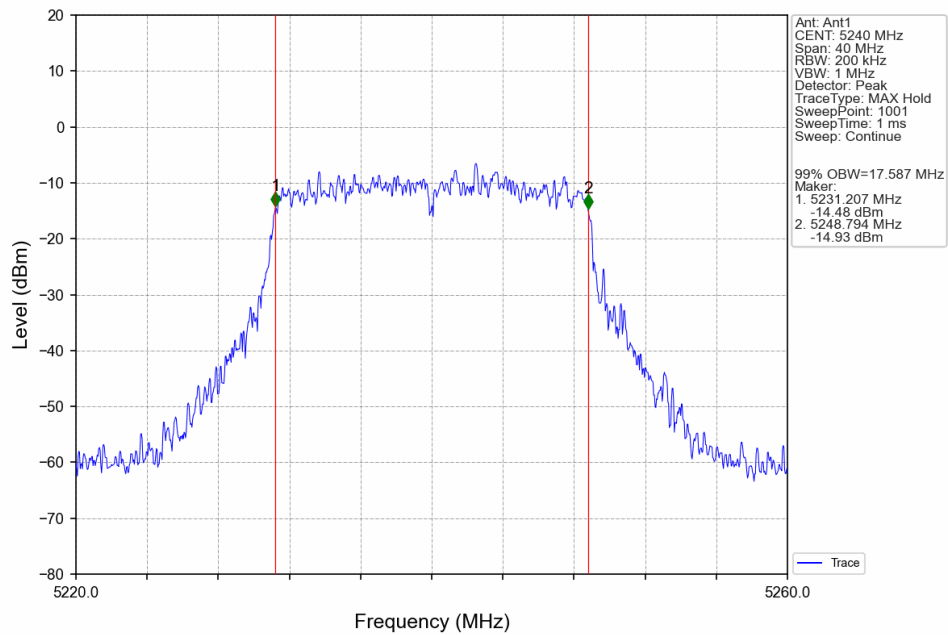
802.11n(HT20) LCH 5180MHz Ant1 NTN



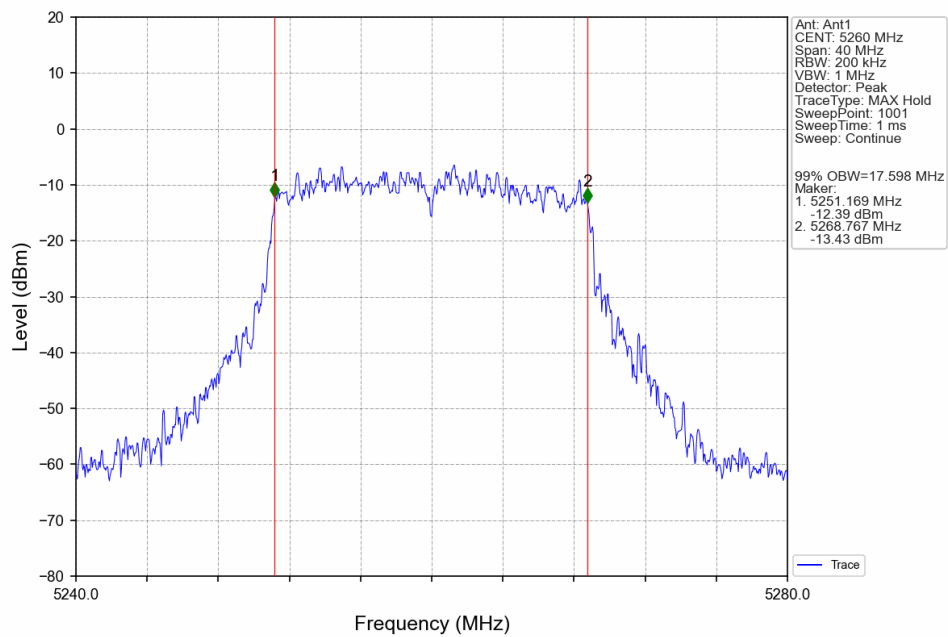
802.11n(HT20) MCH 5200MHz Ant1 NTN



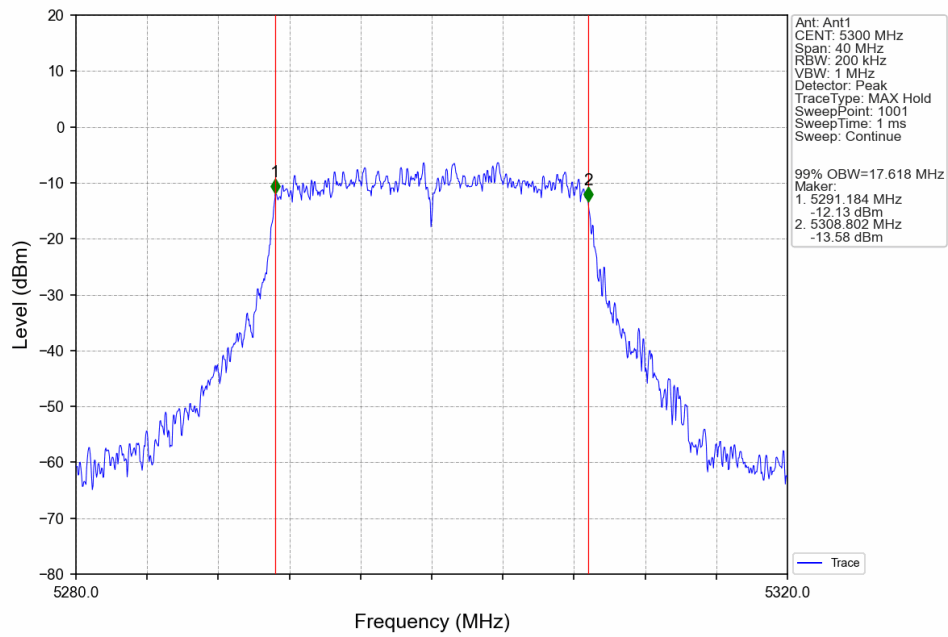
802.11n(HT20) HCH 5240MHz Ant1 NTN



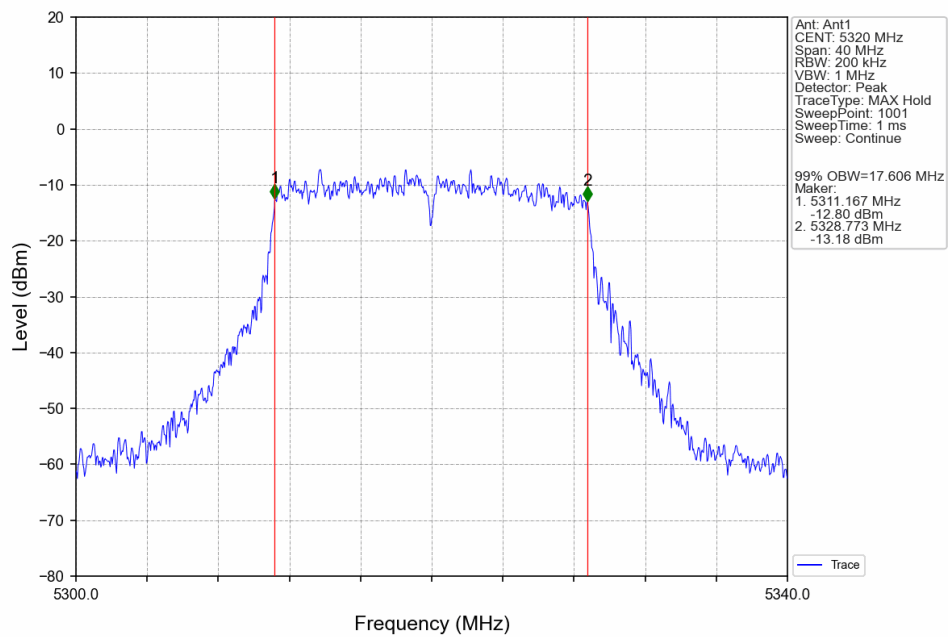
802.11n(HT20) LCH 5260MHz Ant1 NTN



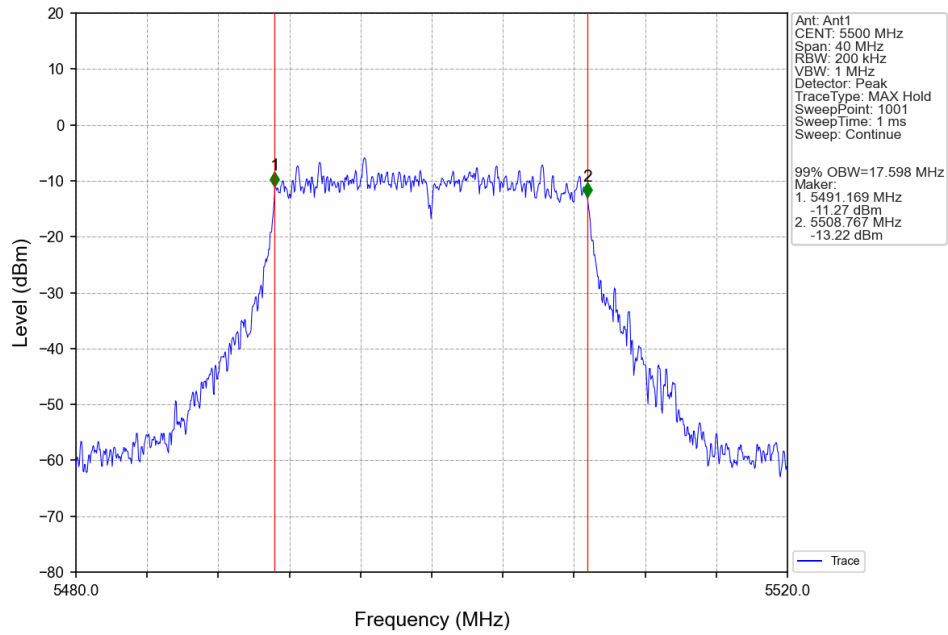
802.11n(HT20) MCH 5300MHz Ant1 NTNV



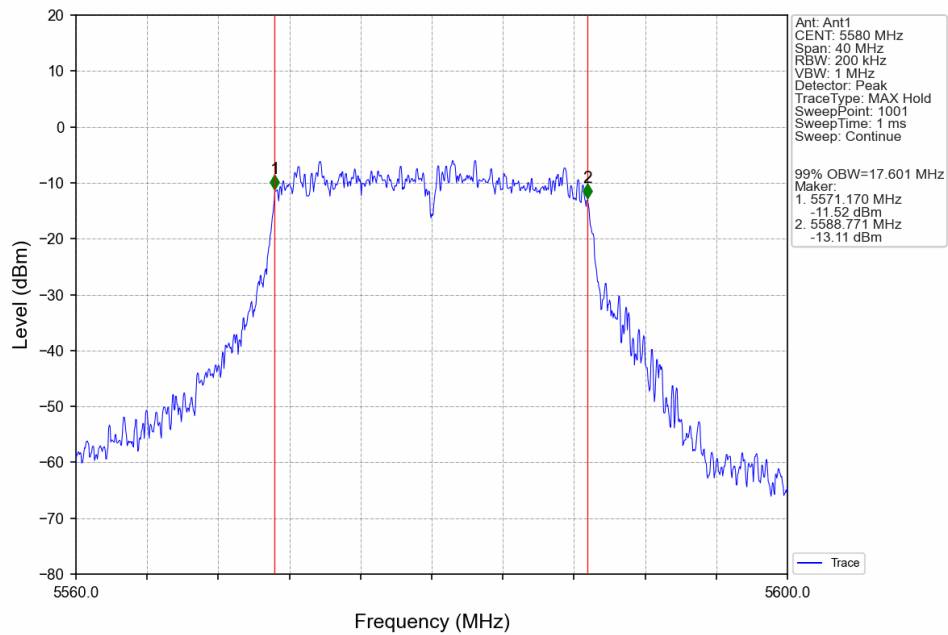
802.11n(HT20) HCH 5320MHz Ant1 NTNV



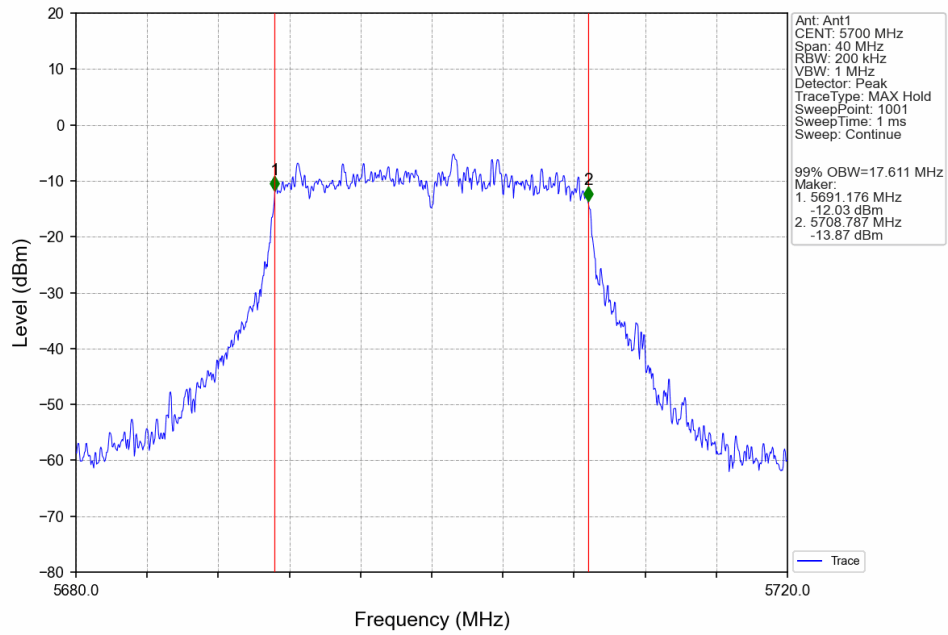
802.11n(HT20) LCH 5500MHz Ant1 NTN



802.11n(HT20) MCH 5580MHz Ant1 NTN



802.11n(HT20) HCH 5700MHz Ant1 NTN



802.11n(HT20) LCH 5745MHz Ant1 NTN

