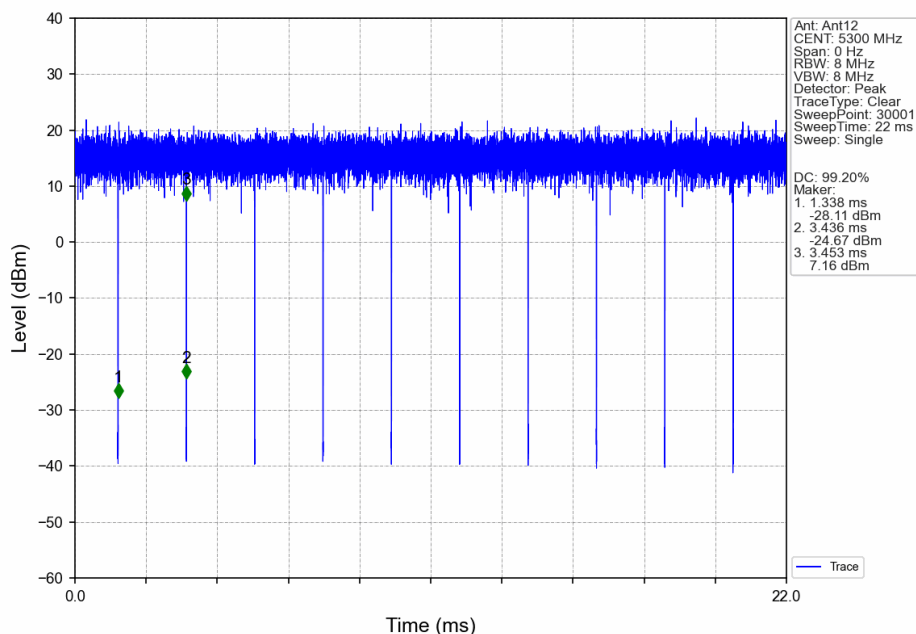
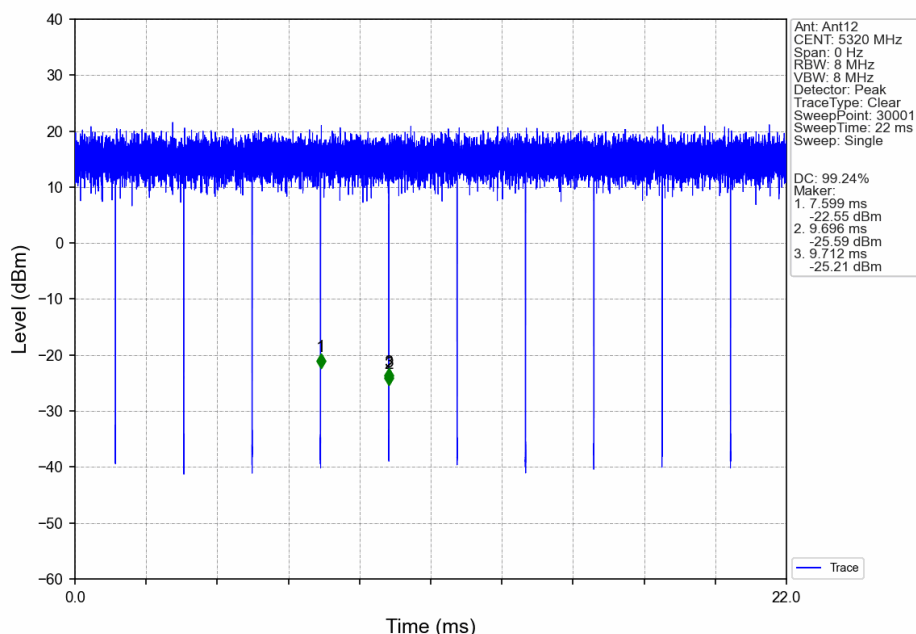


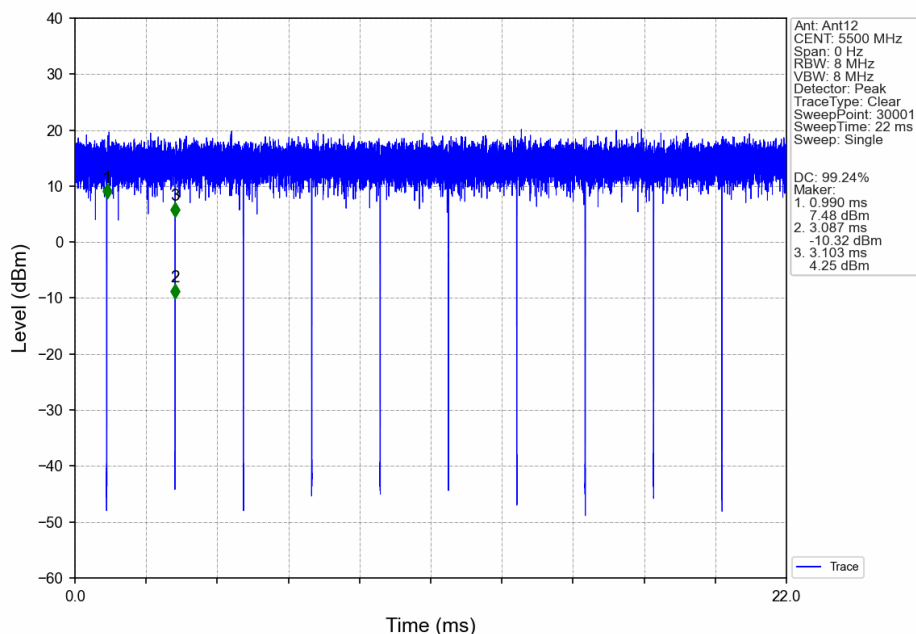
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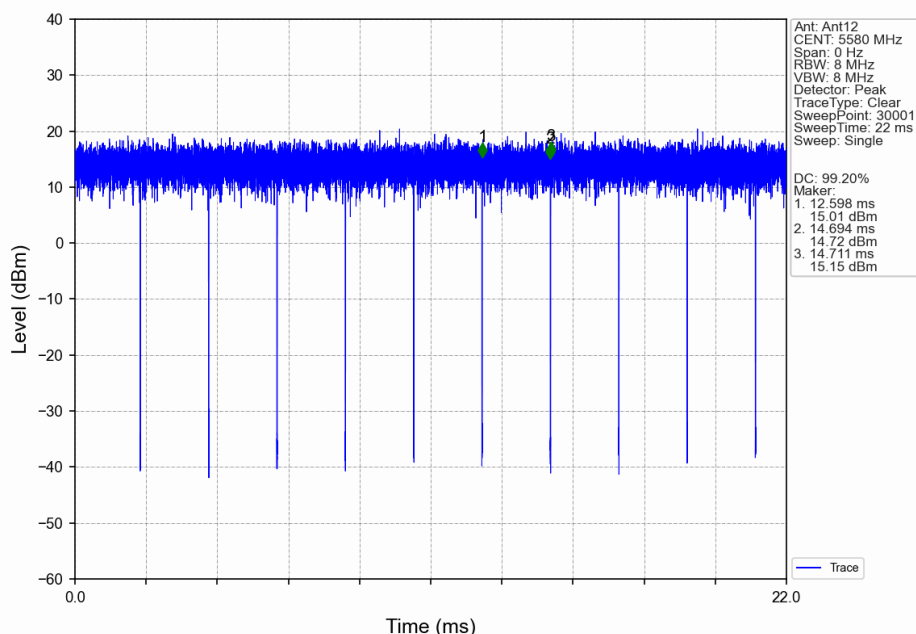
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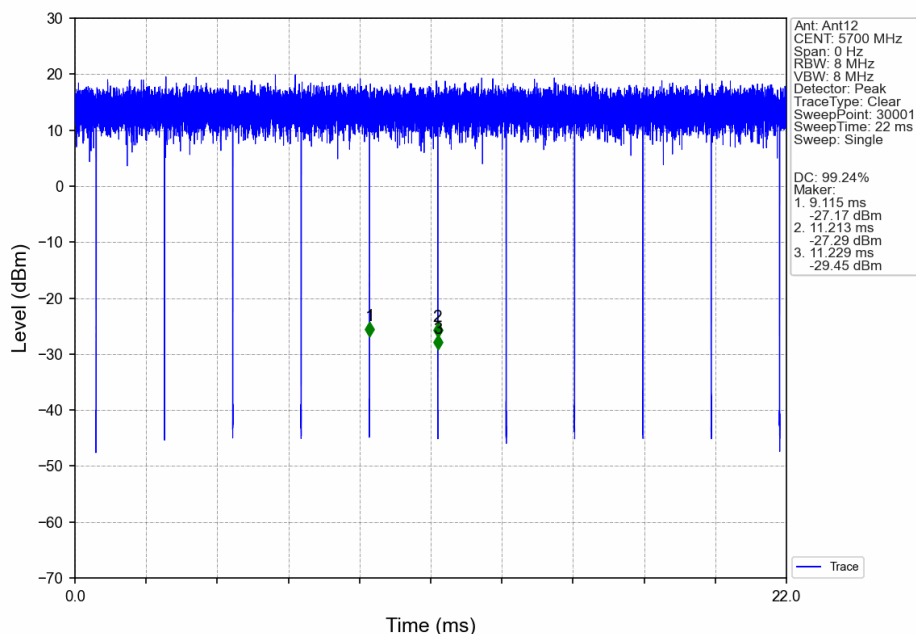
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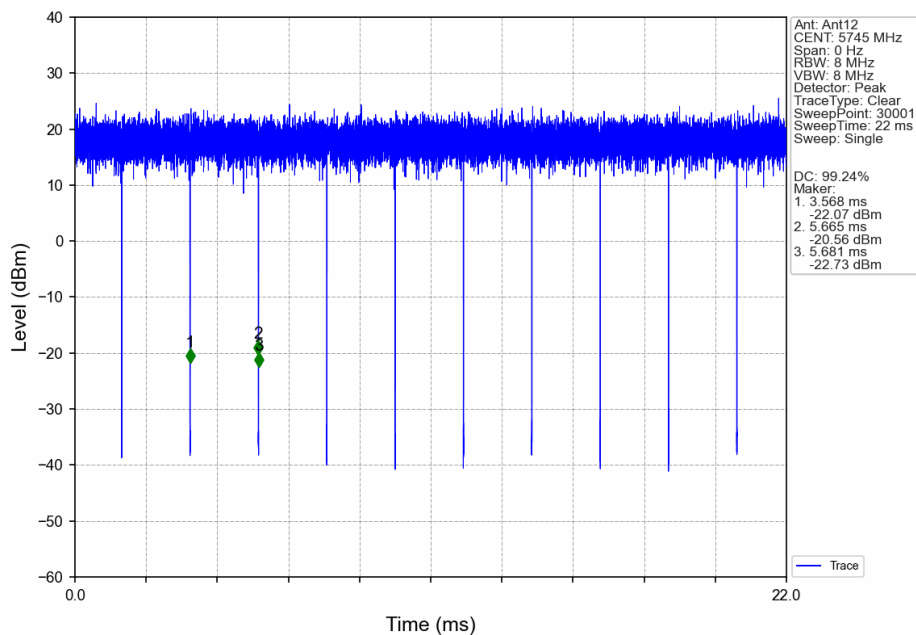
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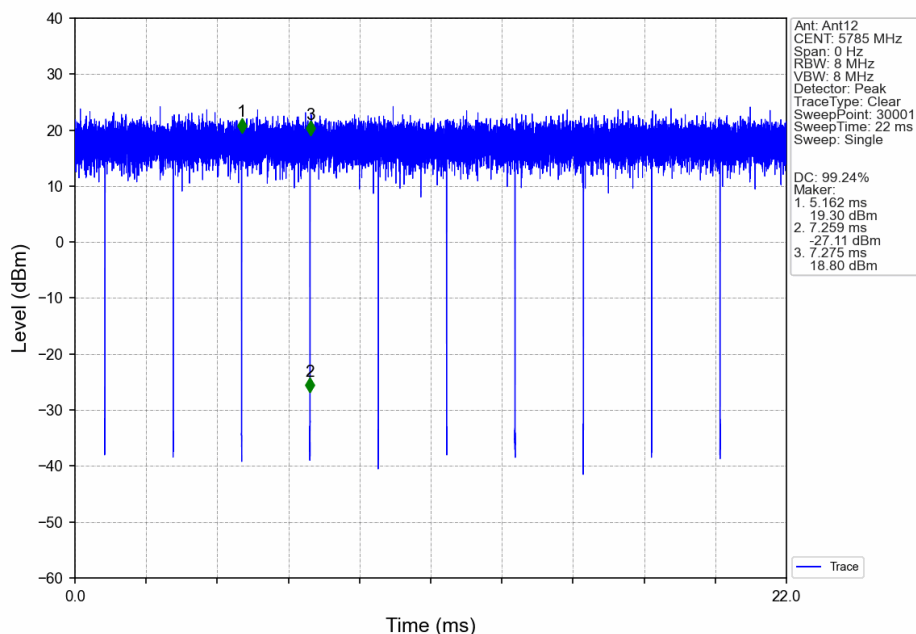
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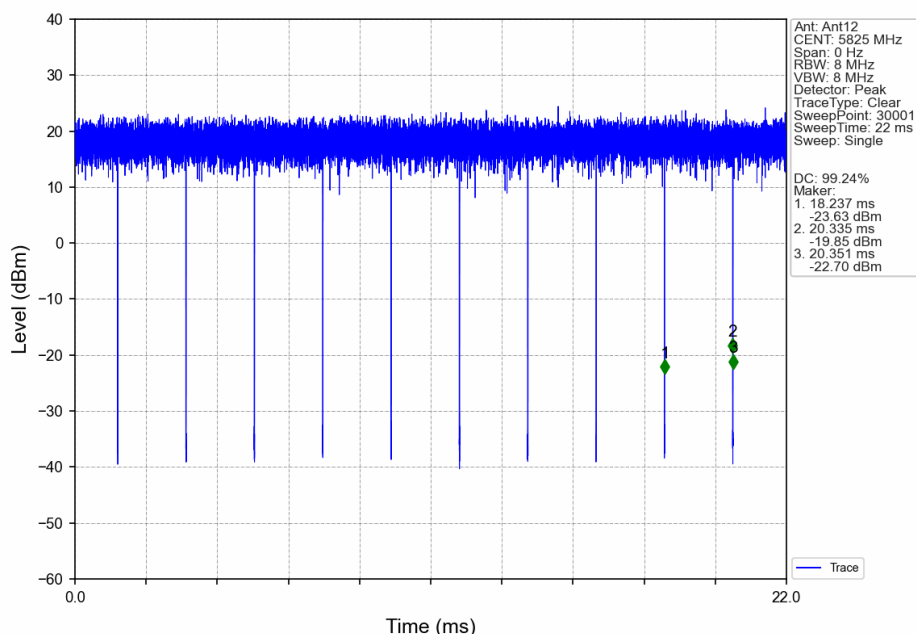
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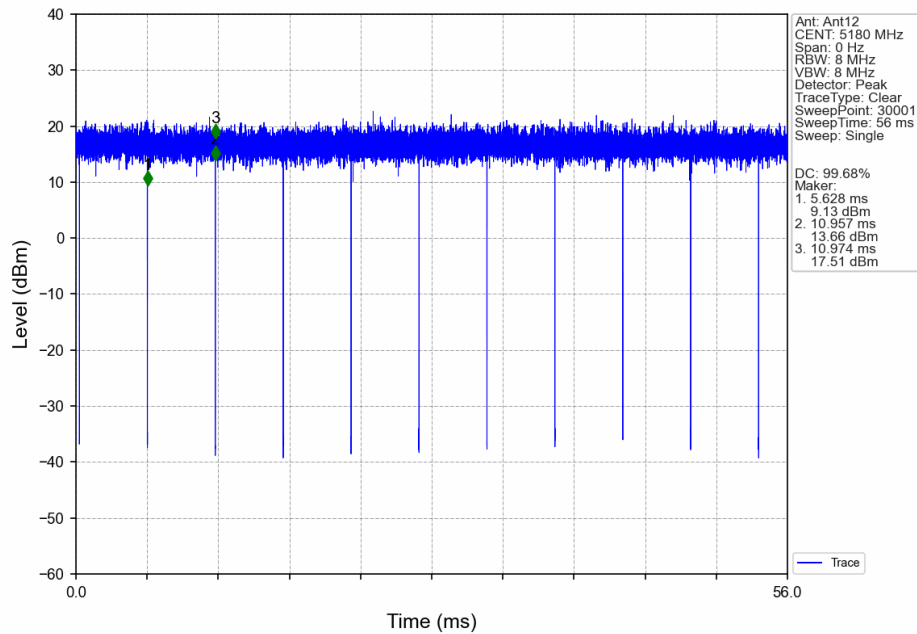
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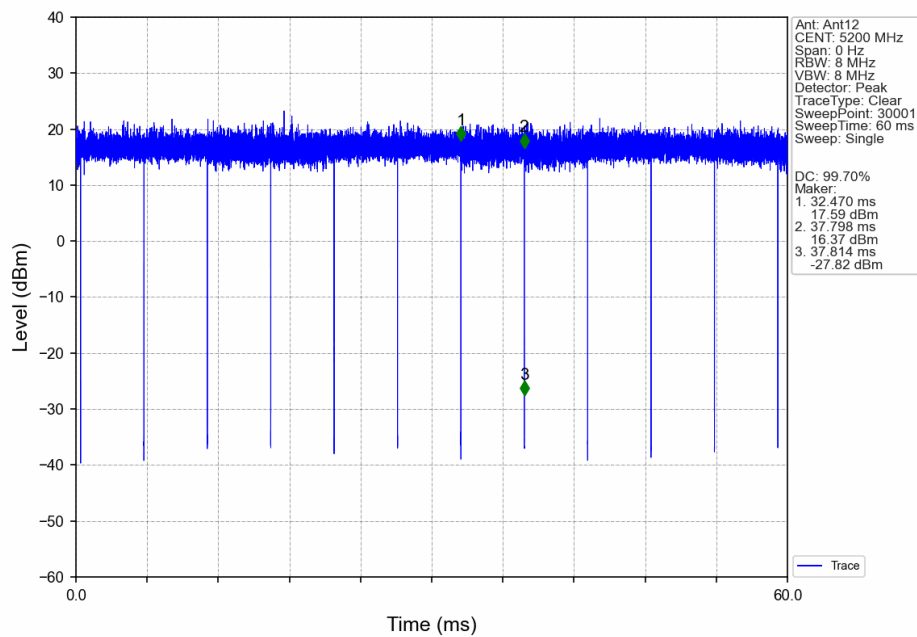
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802.11n(HT20)_LCH_5180MHz_Ant12_NTNV



802.11n(HT20)_MCH_5200MHz_Ant12_NTNV



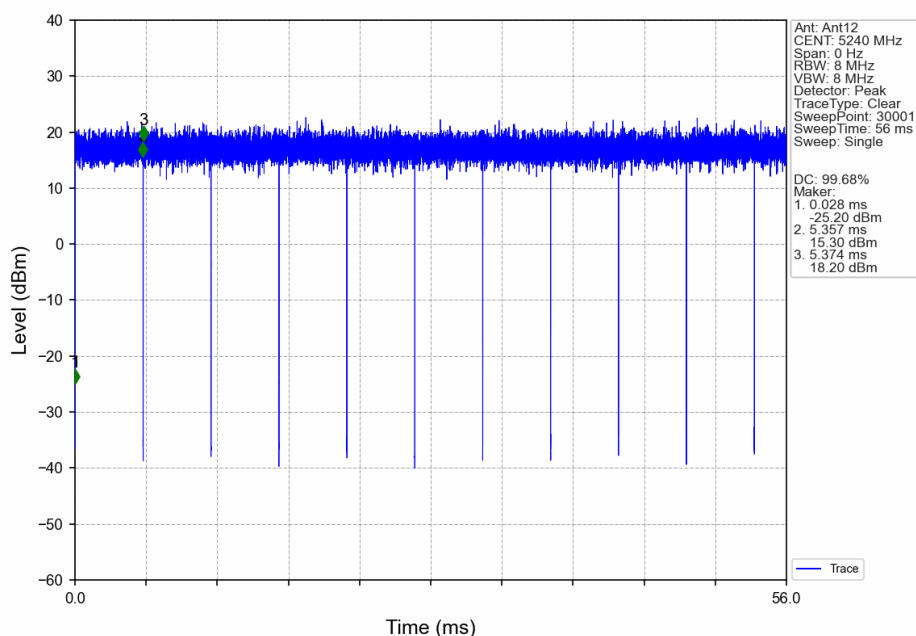
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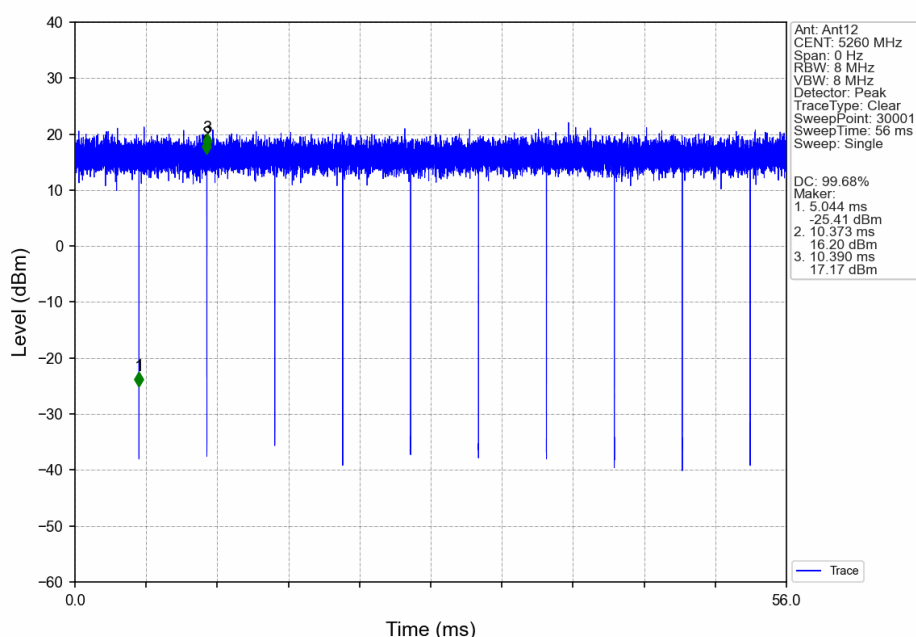
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Shenzhen Branch Testing & Calibration Laboratory

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中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

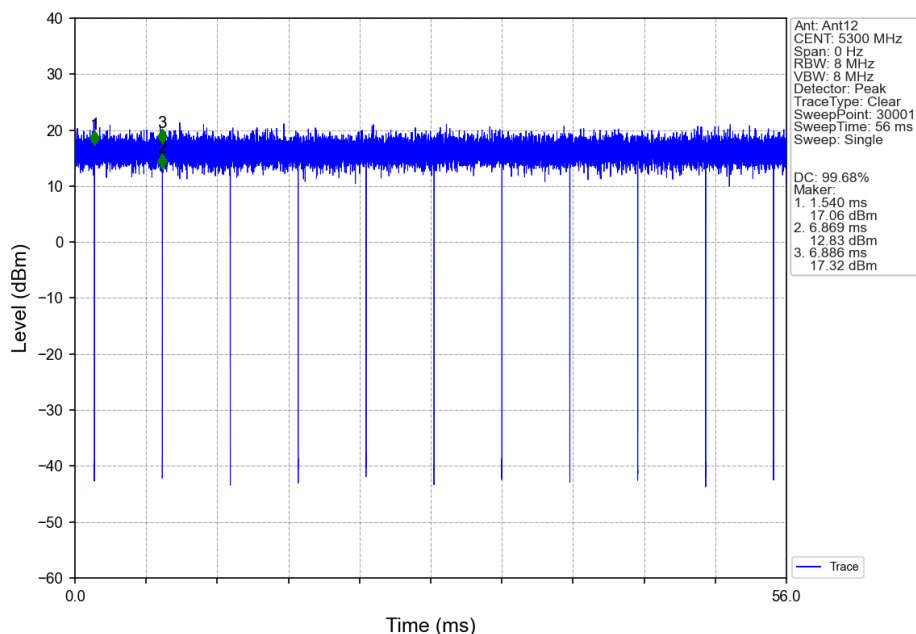
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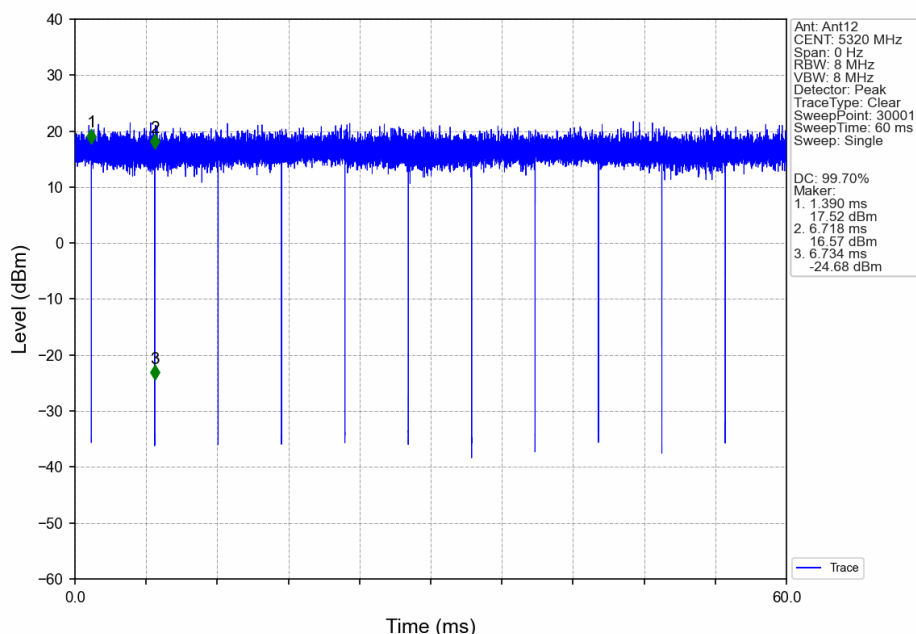
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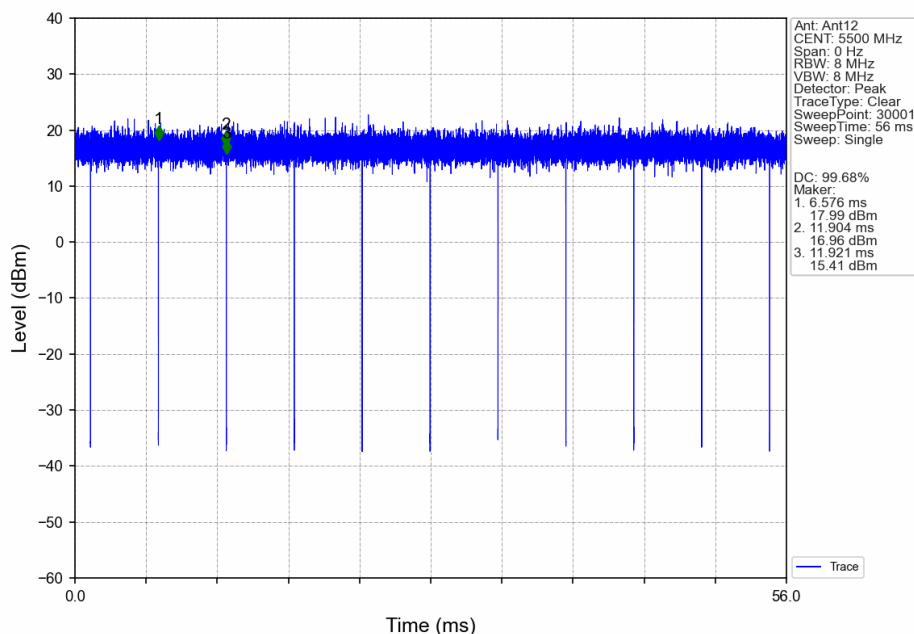
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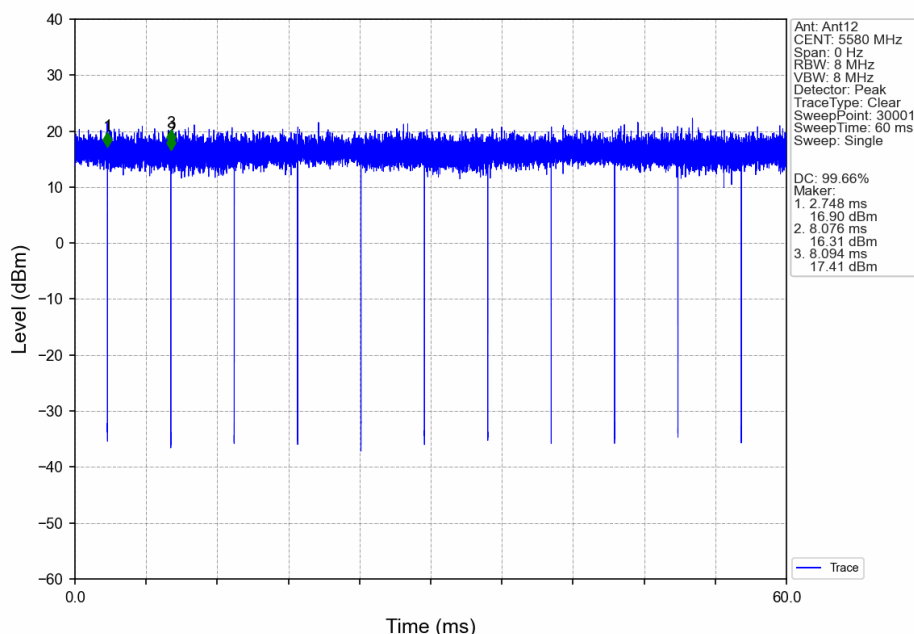
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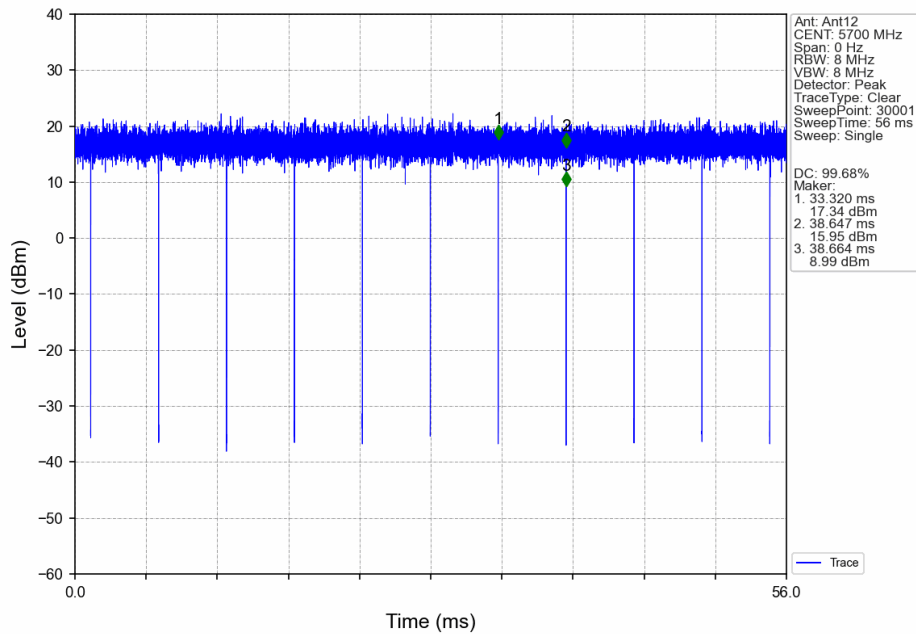
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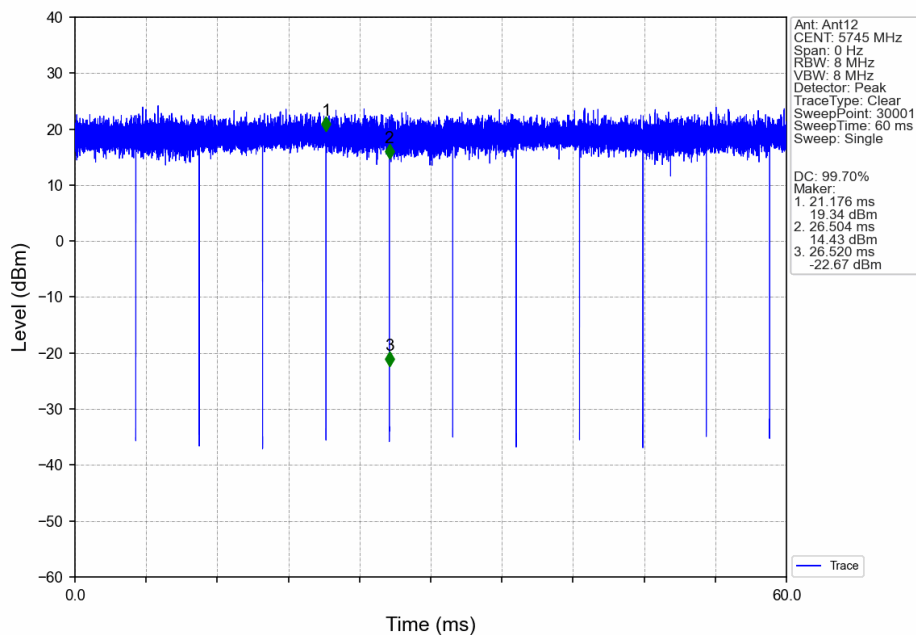
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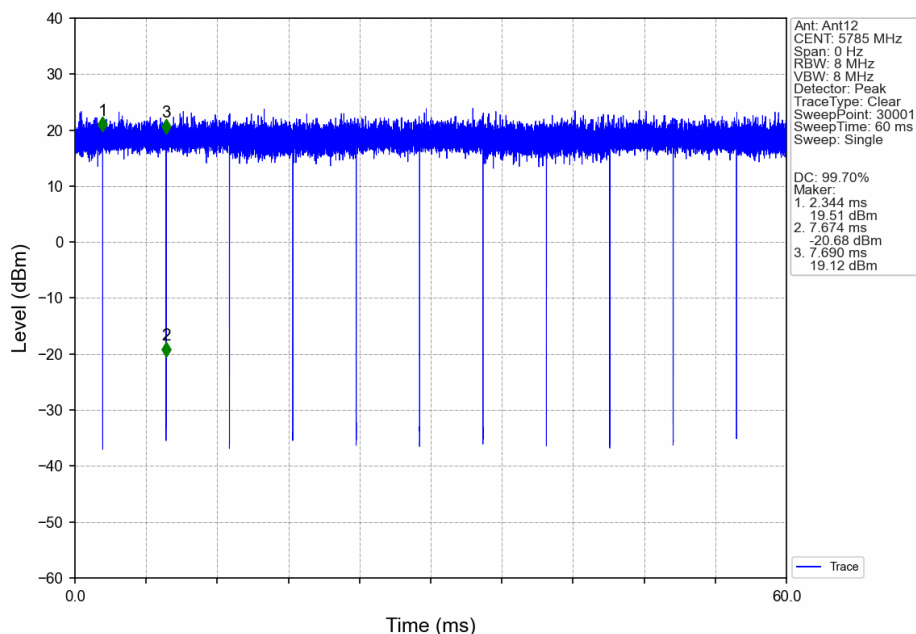
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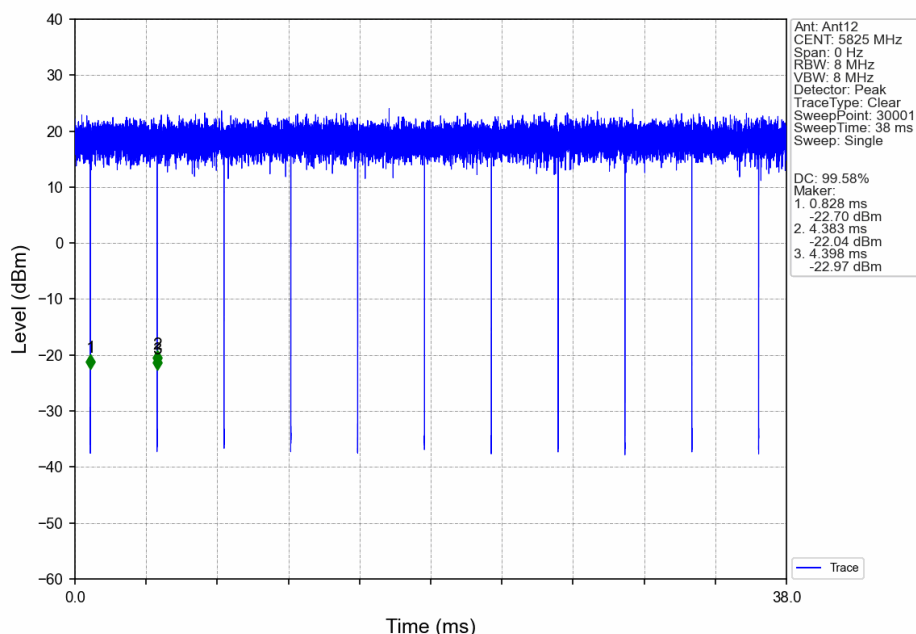
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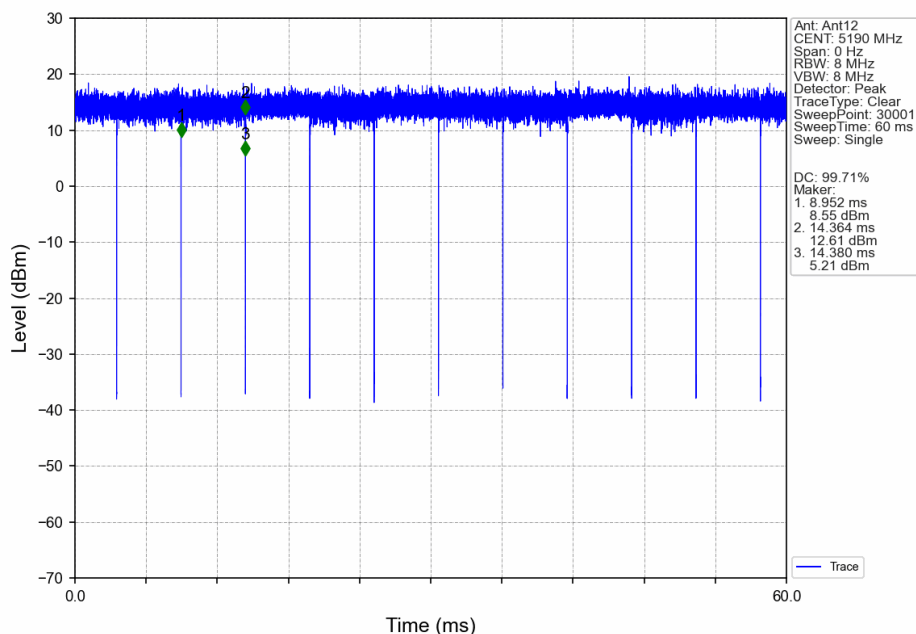
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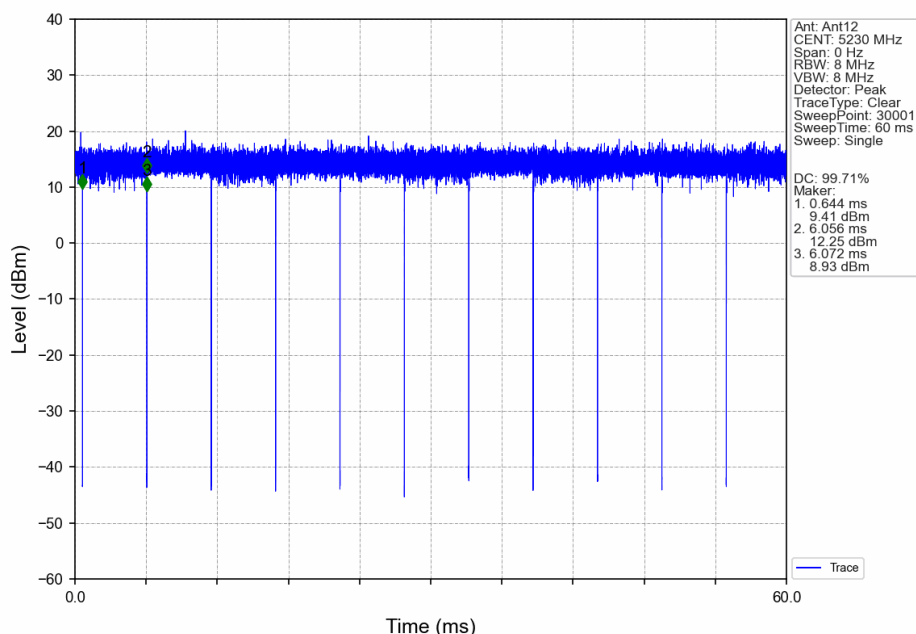
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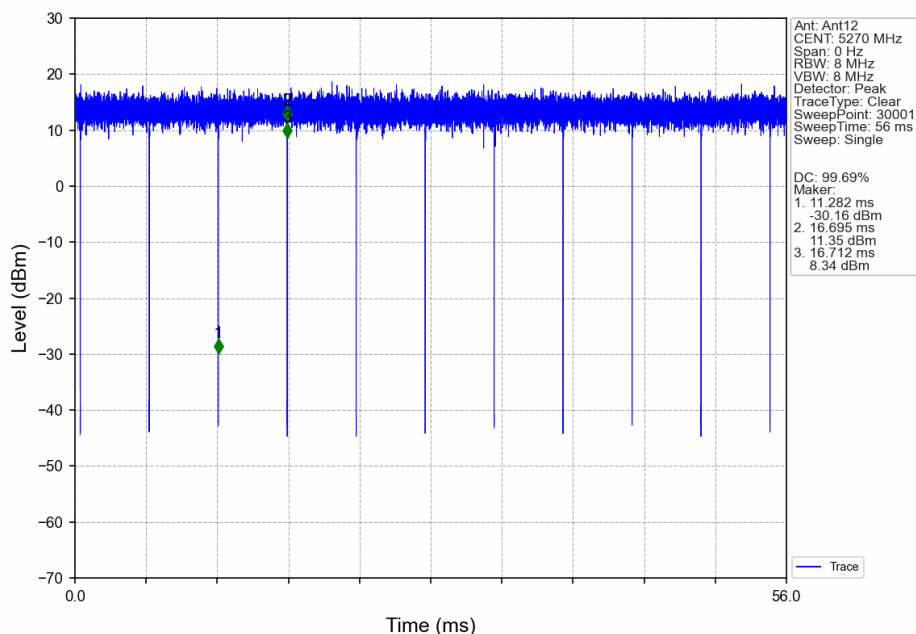
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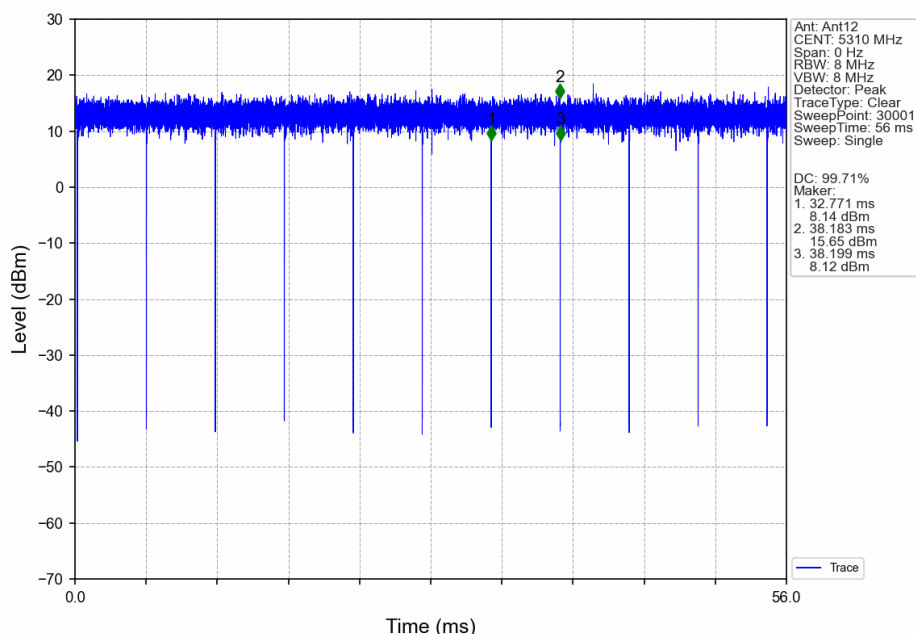
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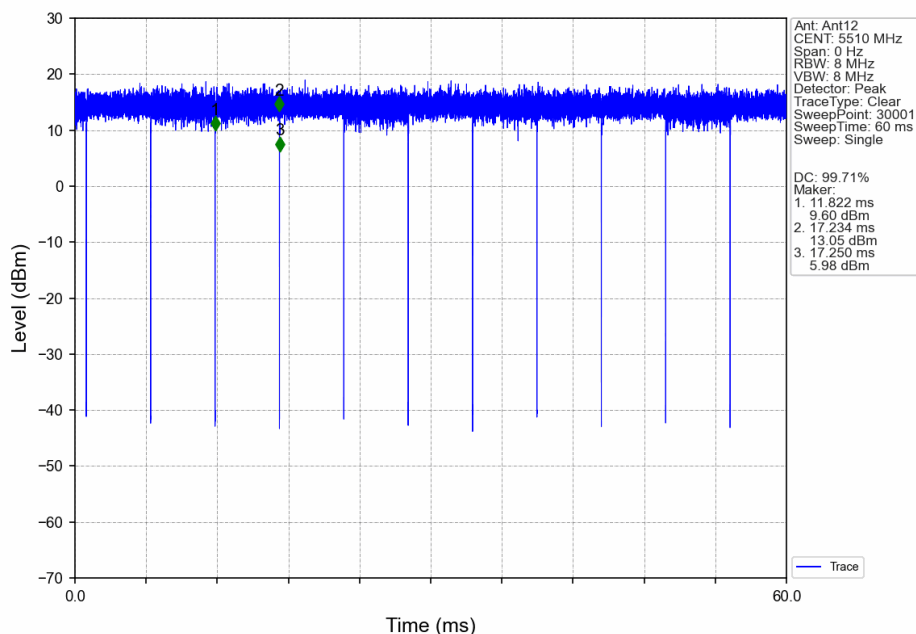
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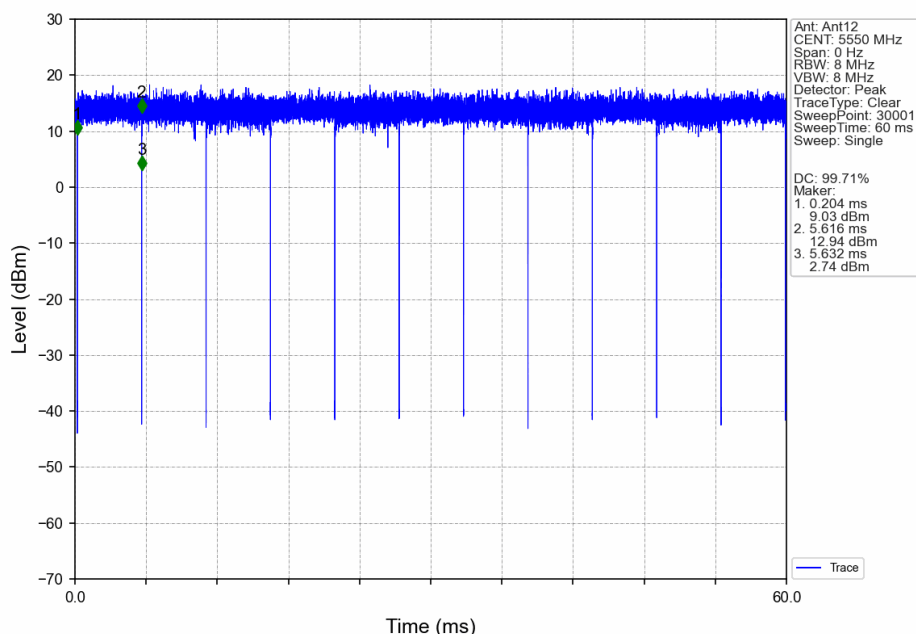
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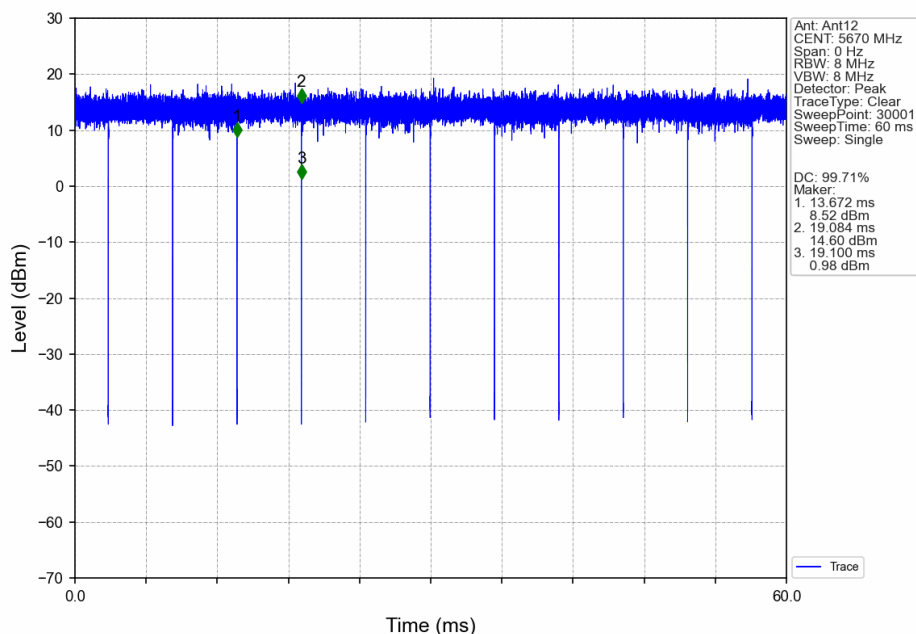
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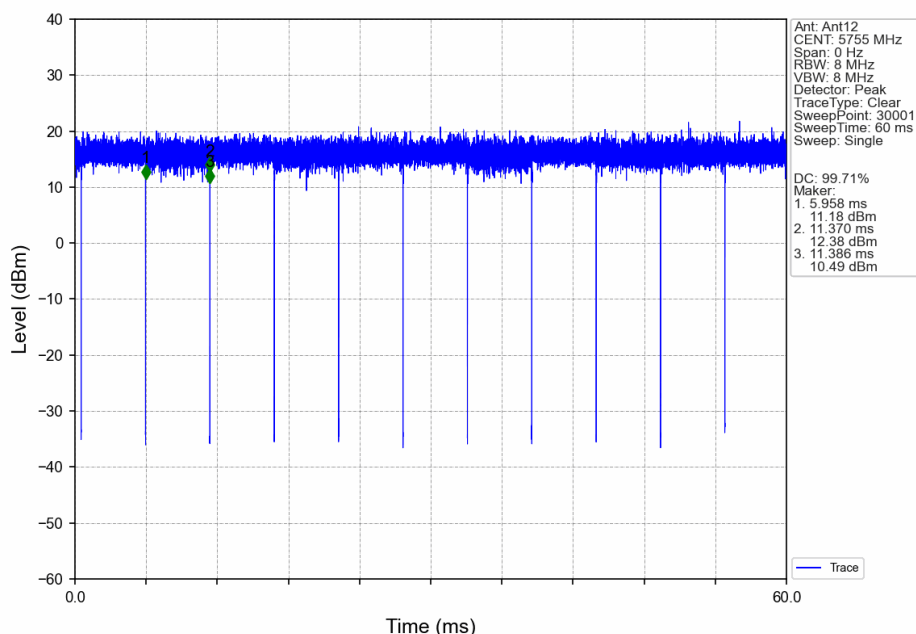
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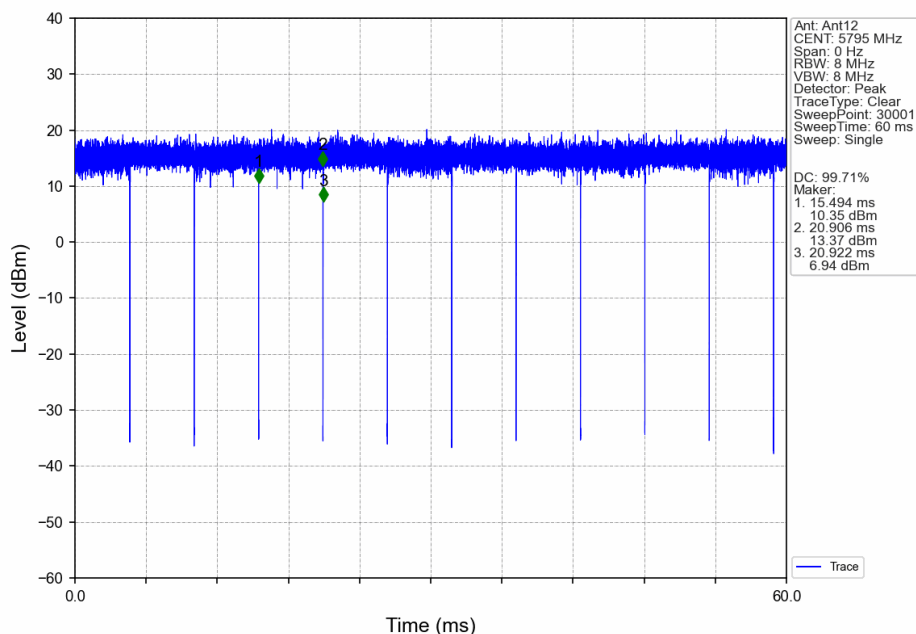
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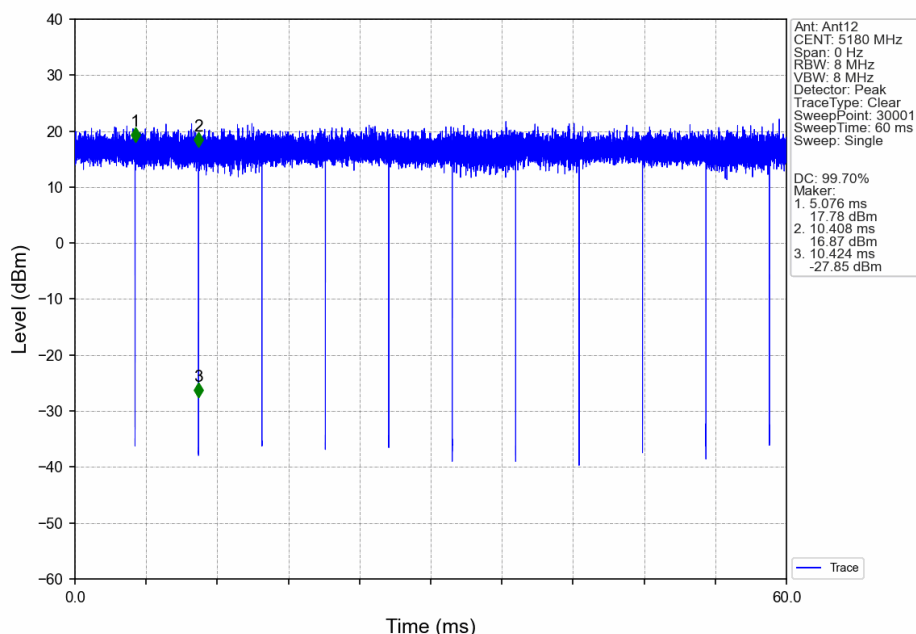
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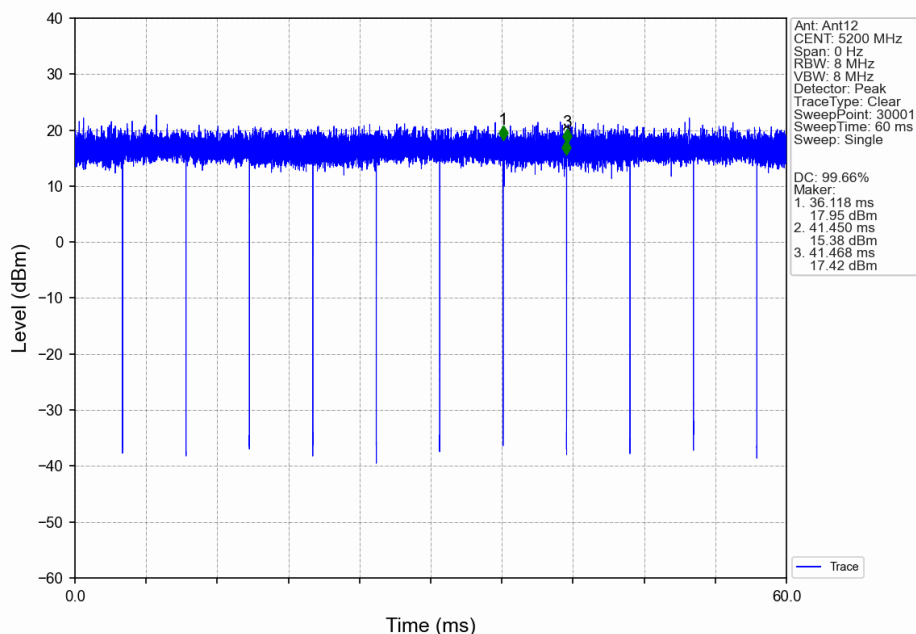
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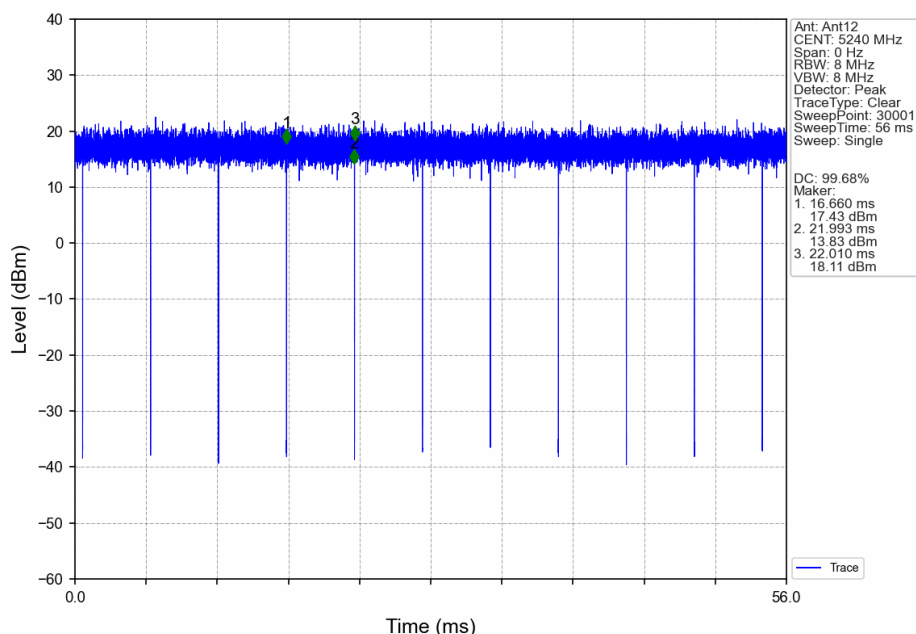
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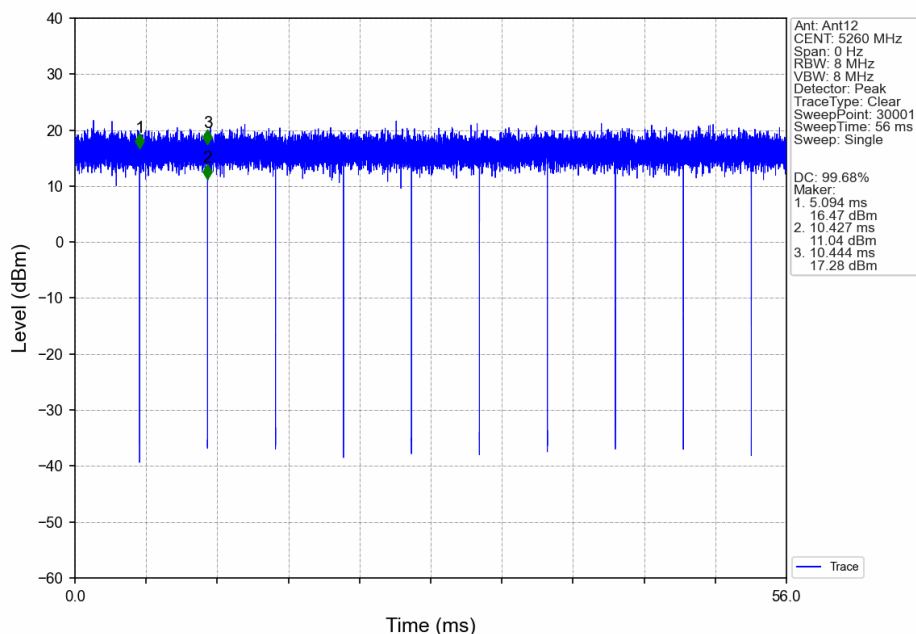
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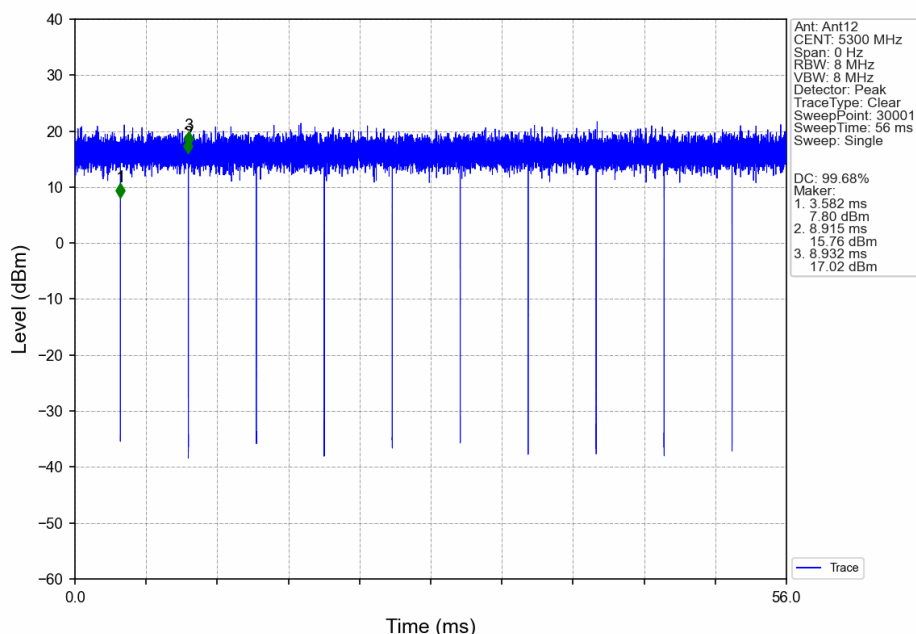
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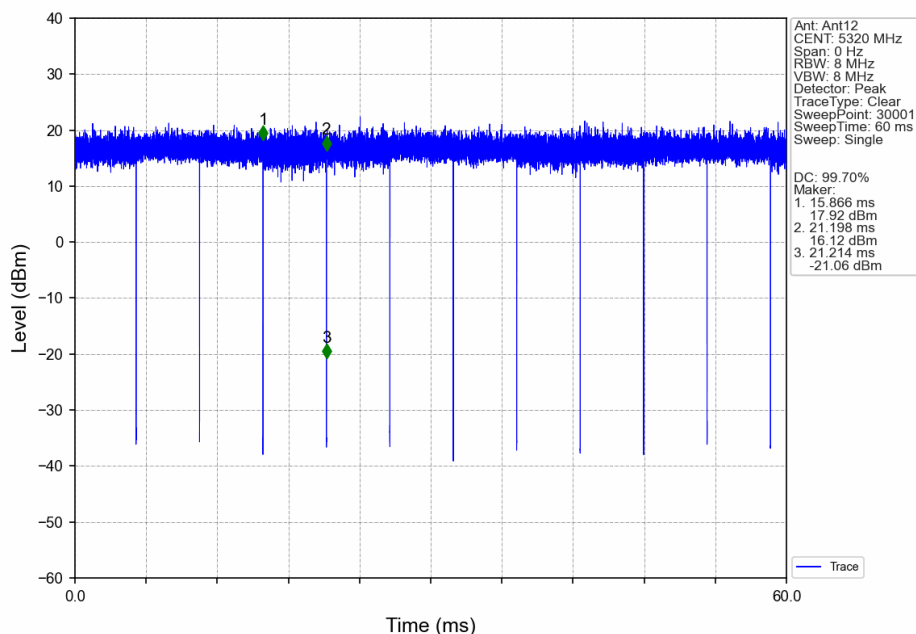
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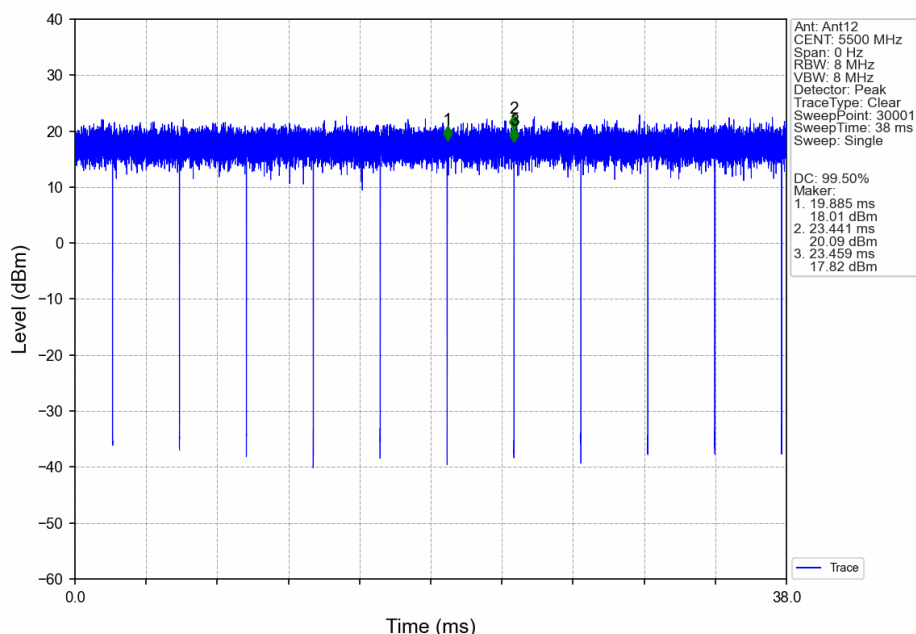
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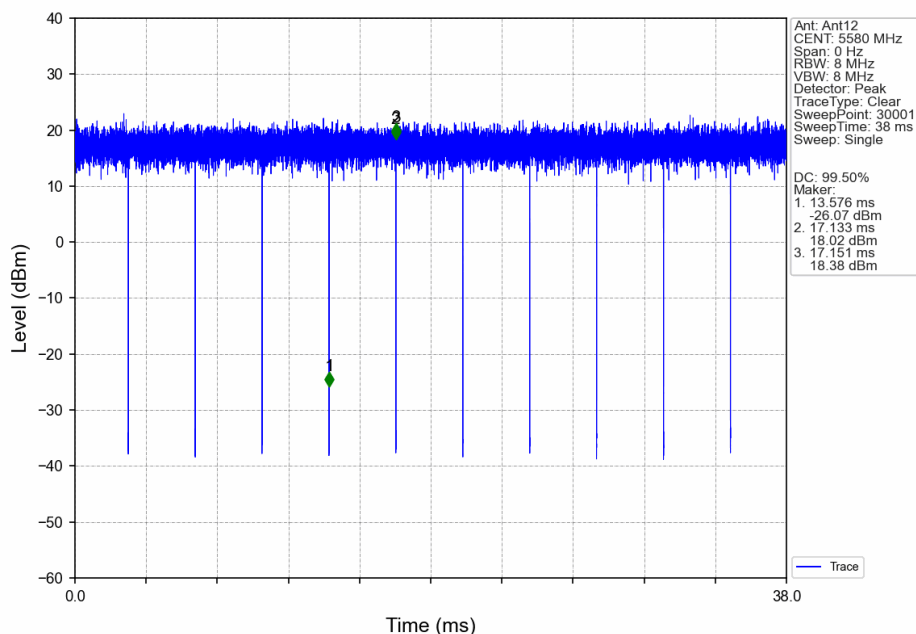
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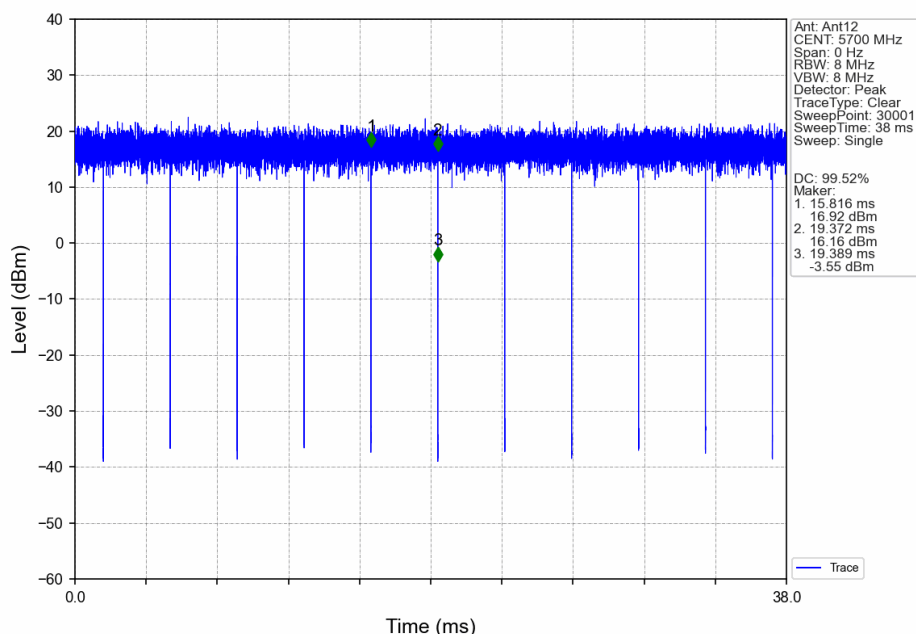
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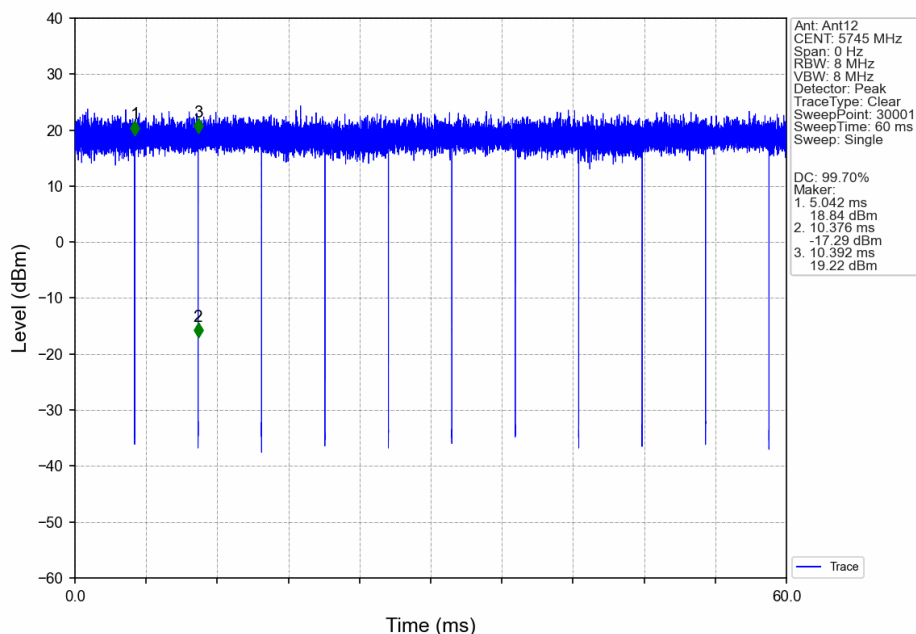
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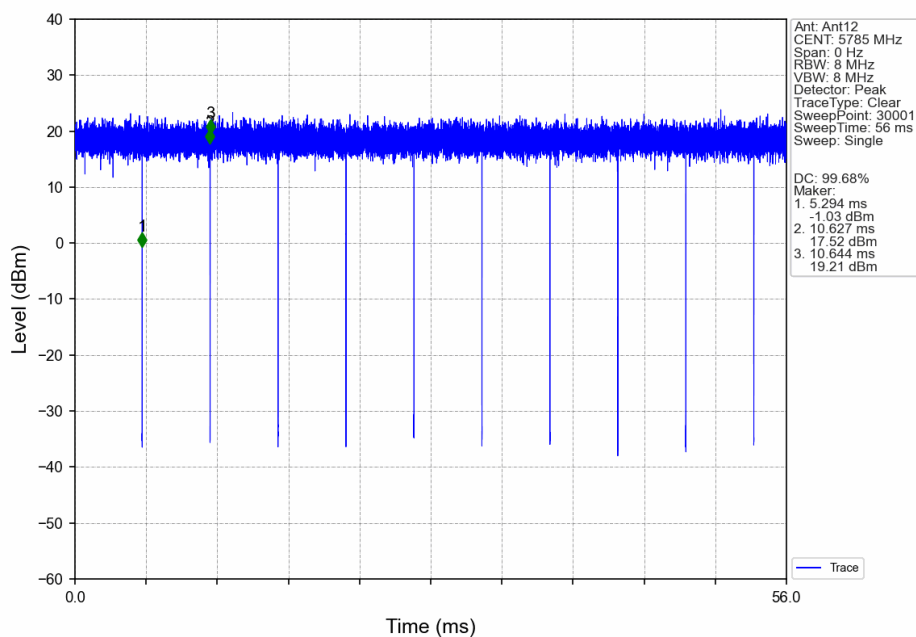
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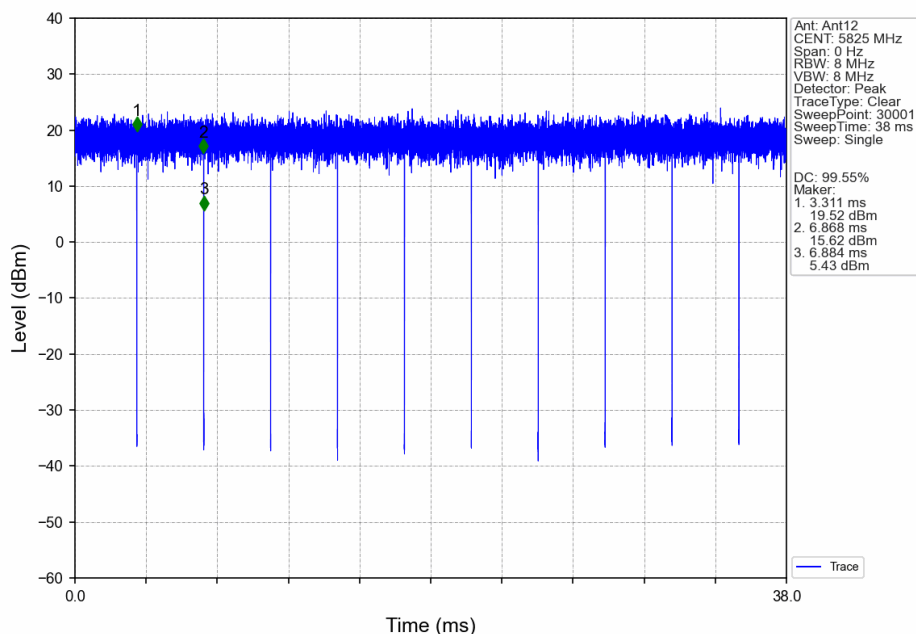
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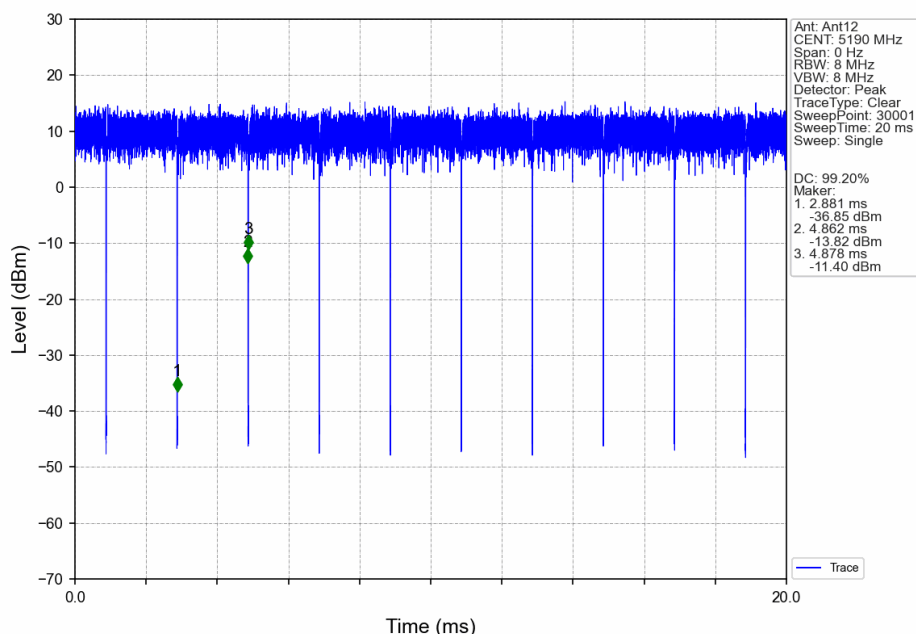
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802.11ac(VHT20)_HCH_5825MHz_Ant12_NTNV



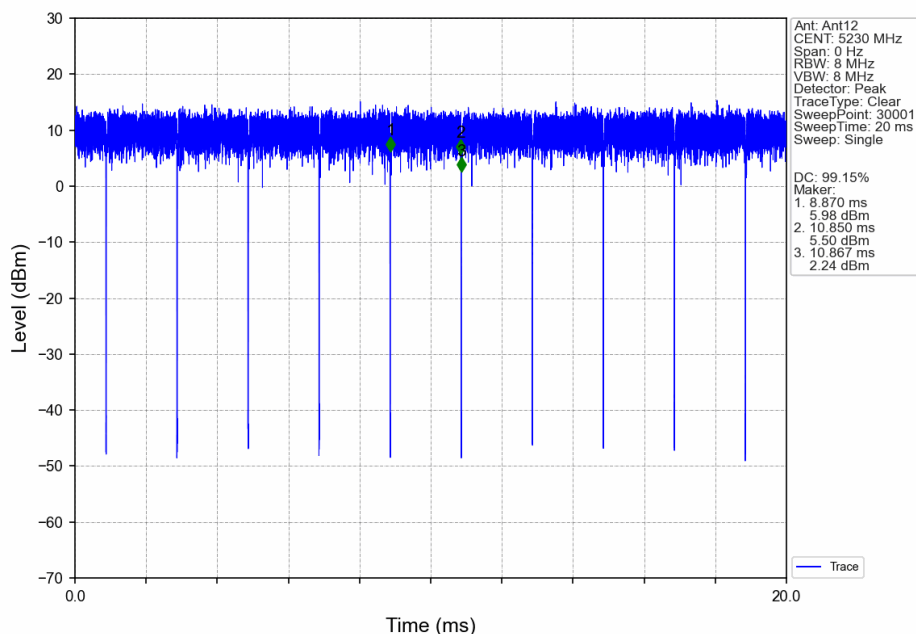
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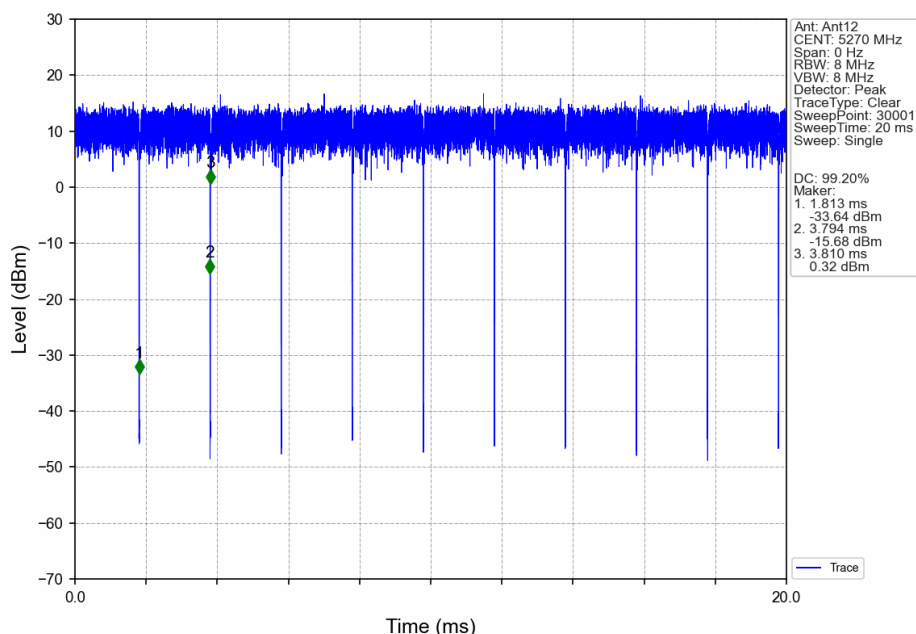
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802.11ac(VHT40)_HCH_5230MHz_Ant12_NTNV



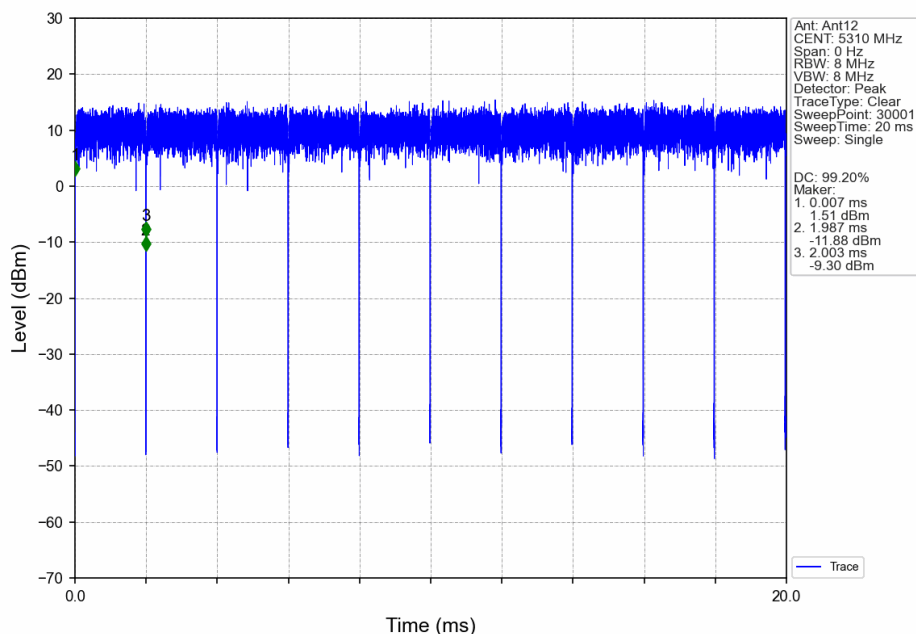
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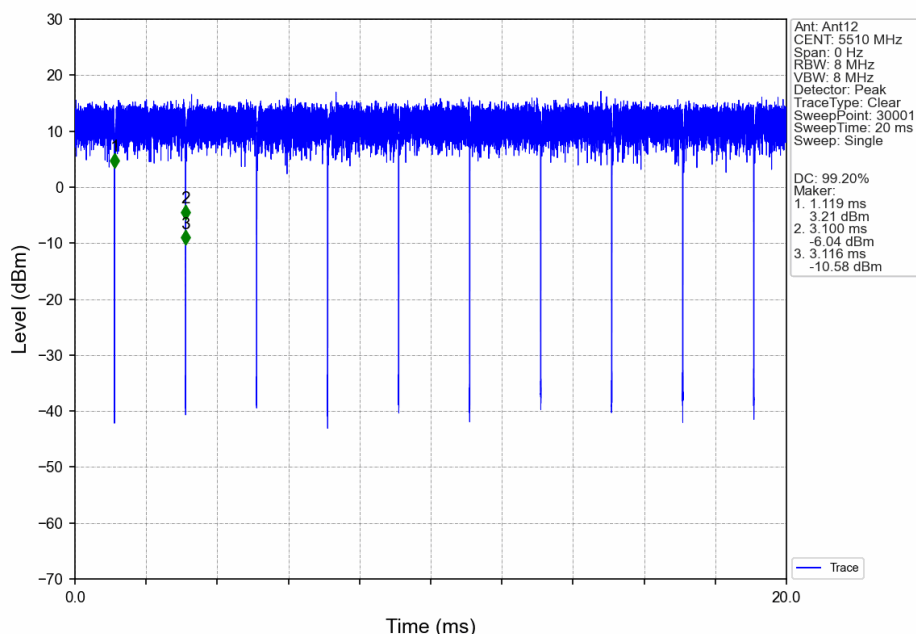
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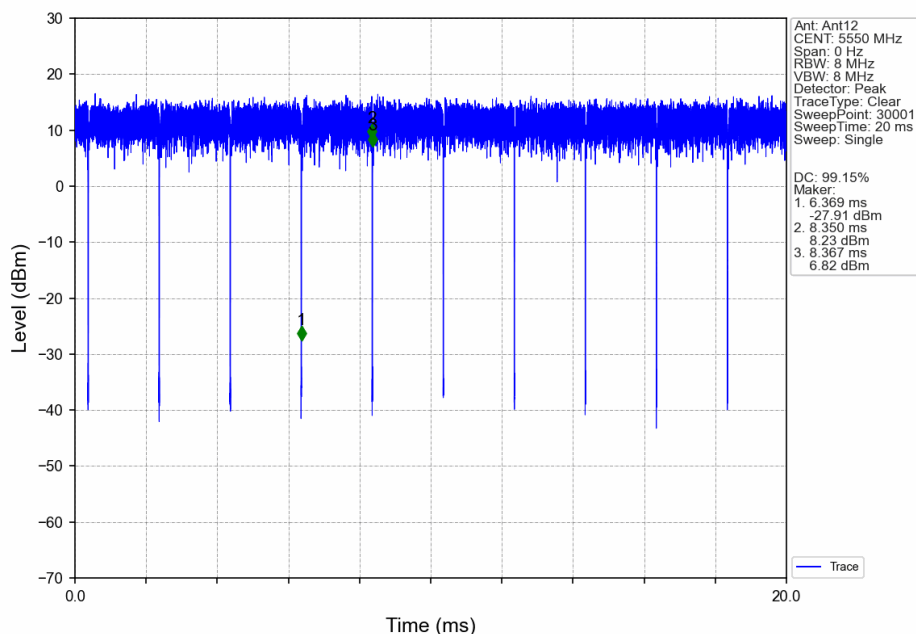
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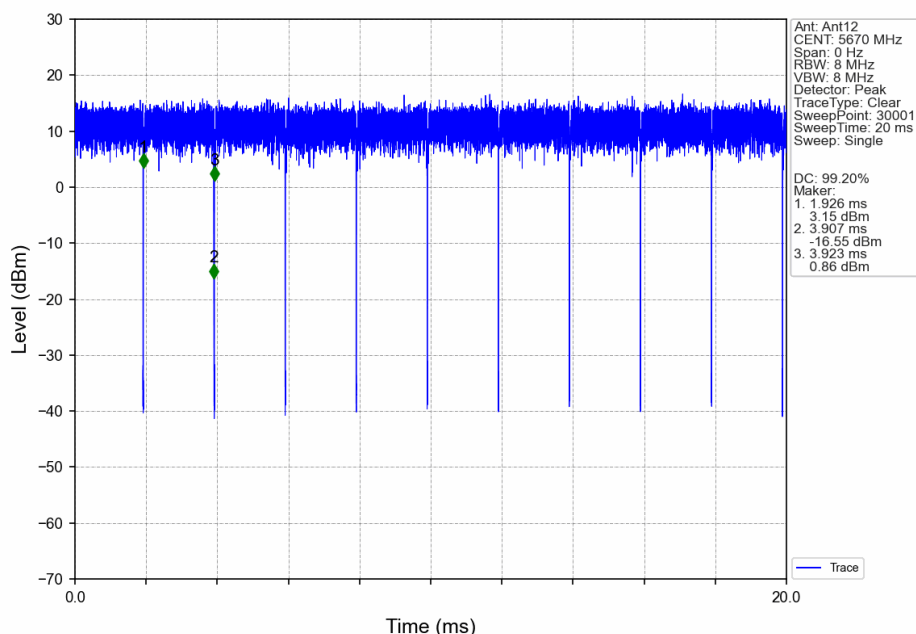
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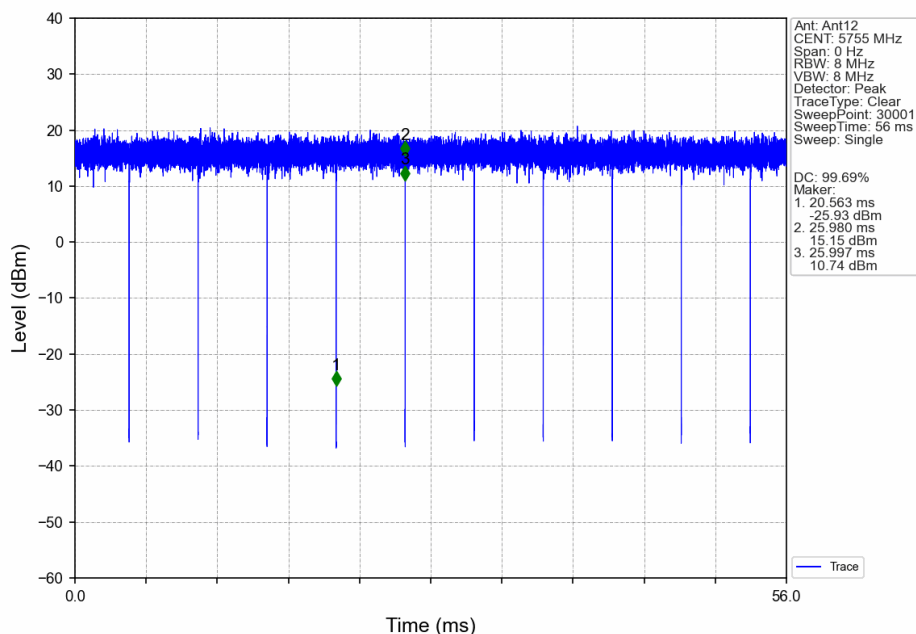
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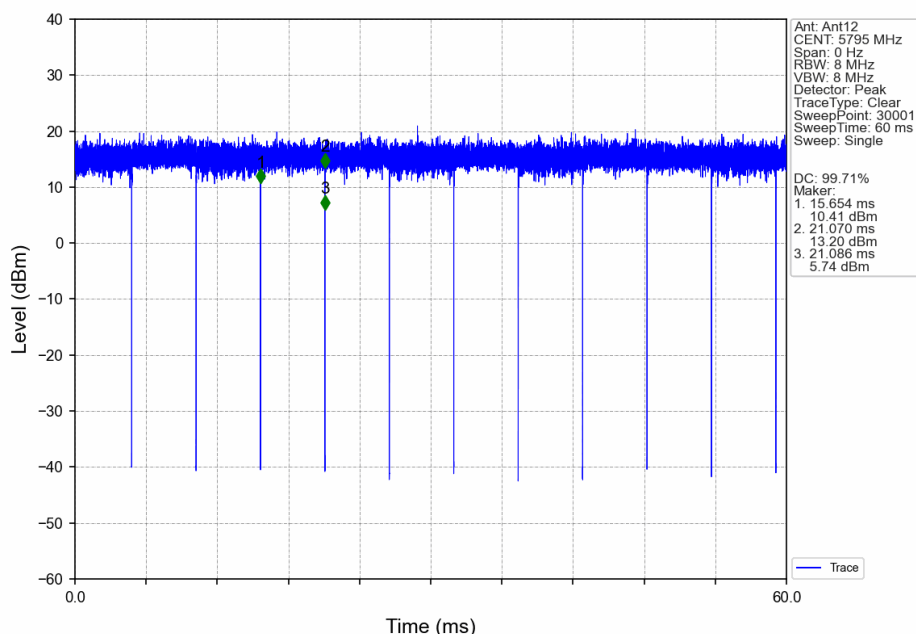
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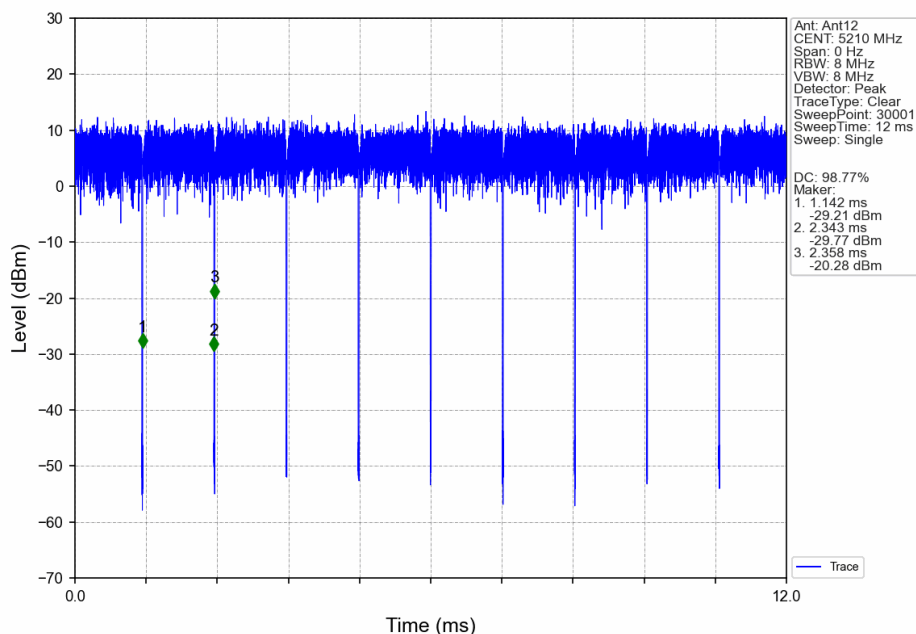
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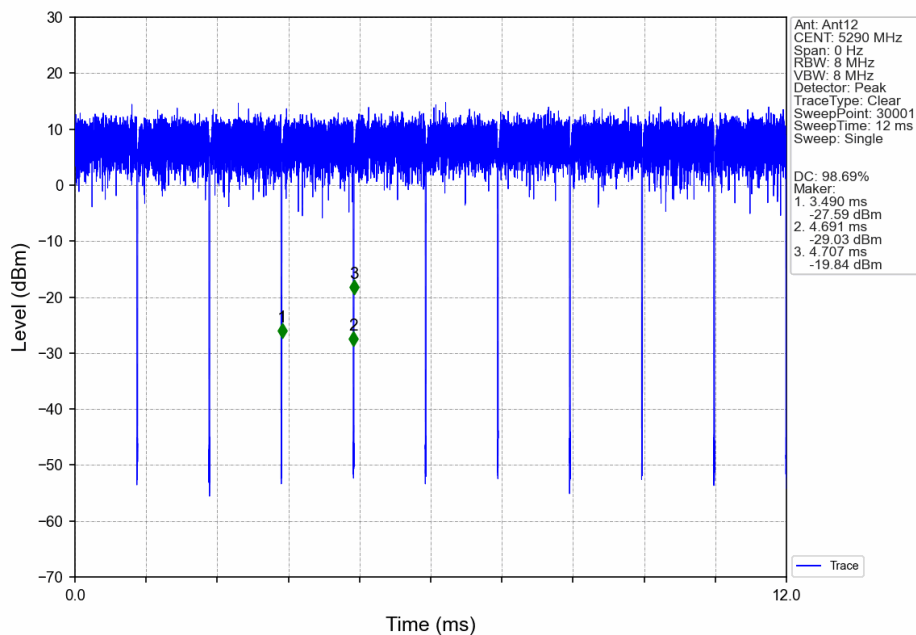
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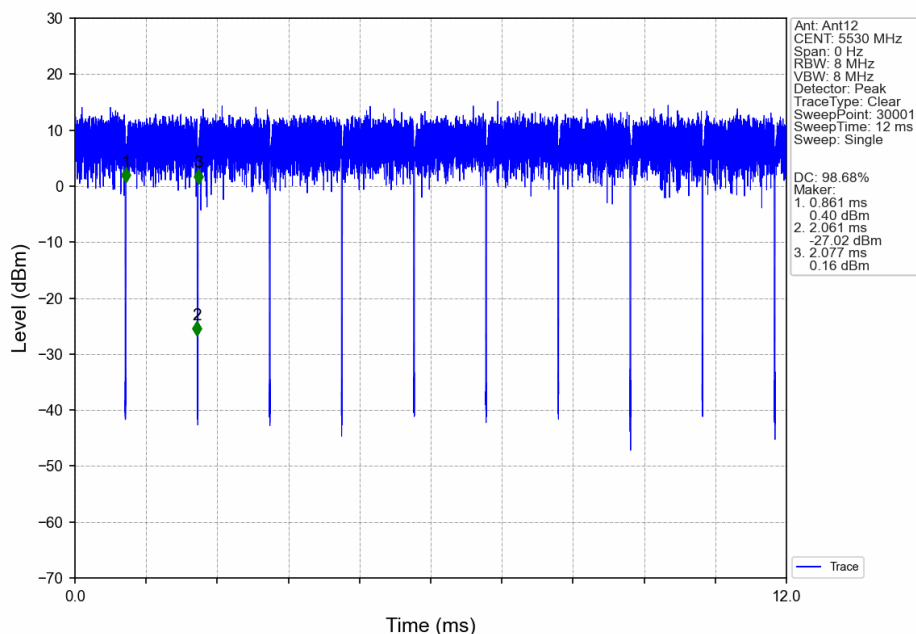
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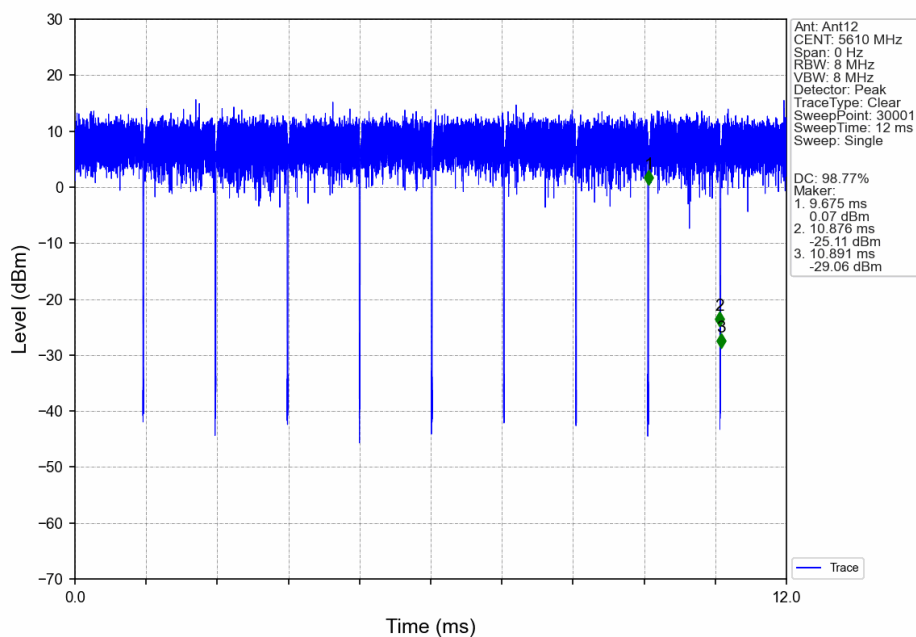
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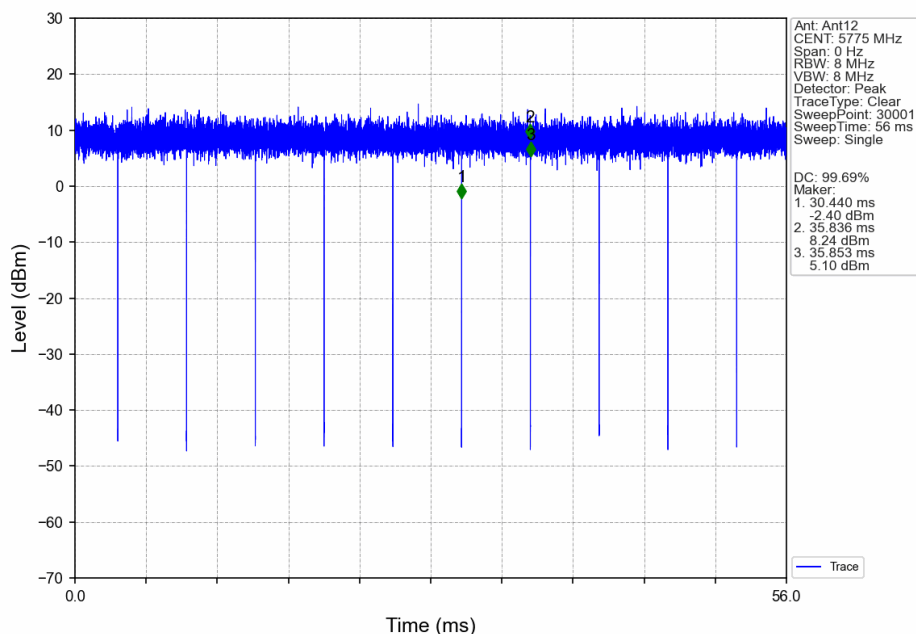
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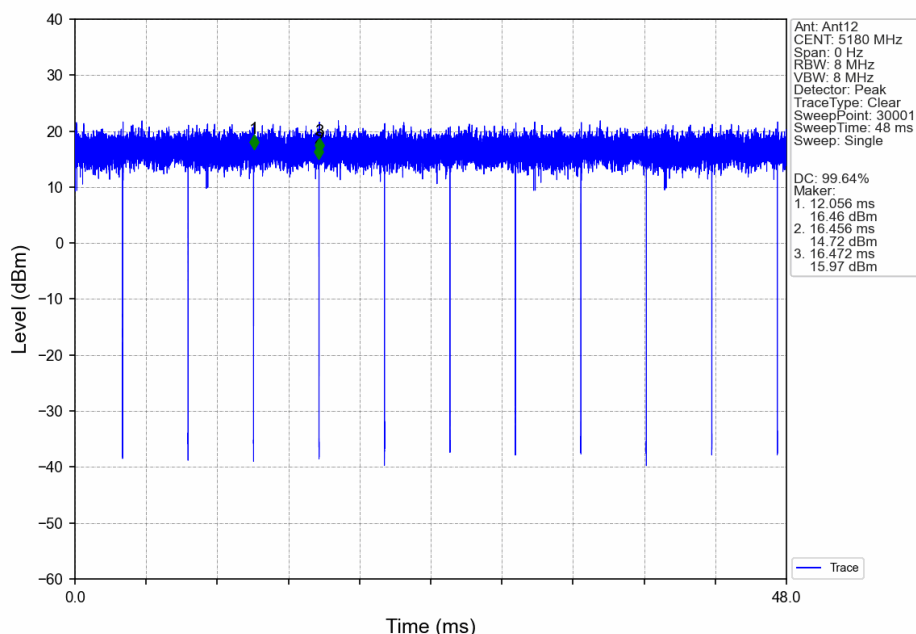
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802.11ac(VHT80)_MCH_5775MHz_Ant12_NTNV



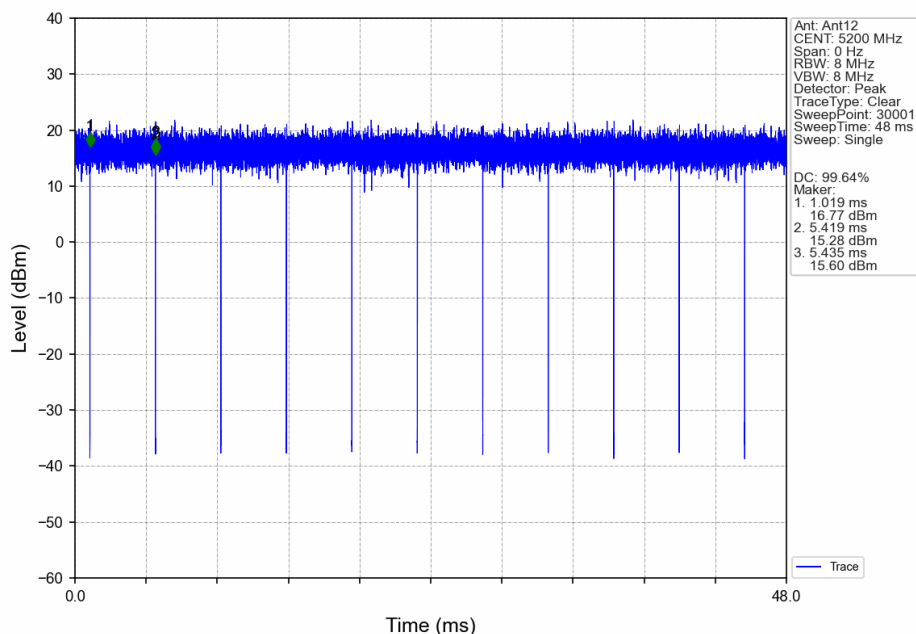
802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant12_NTNV



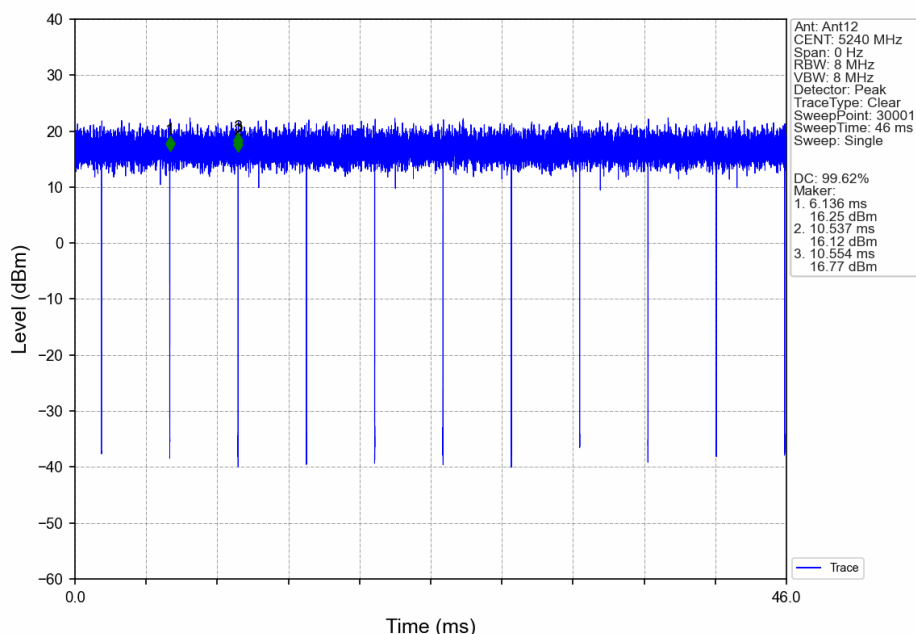
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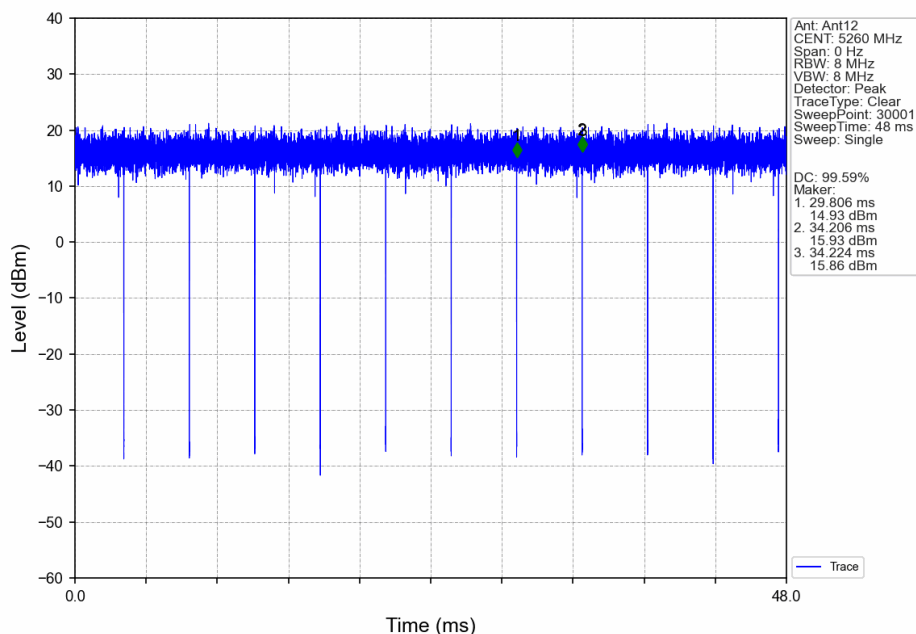
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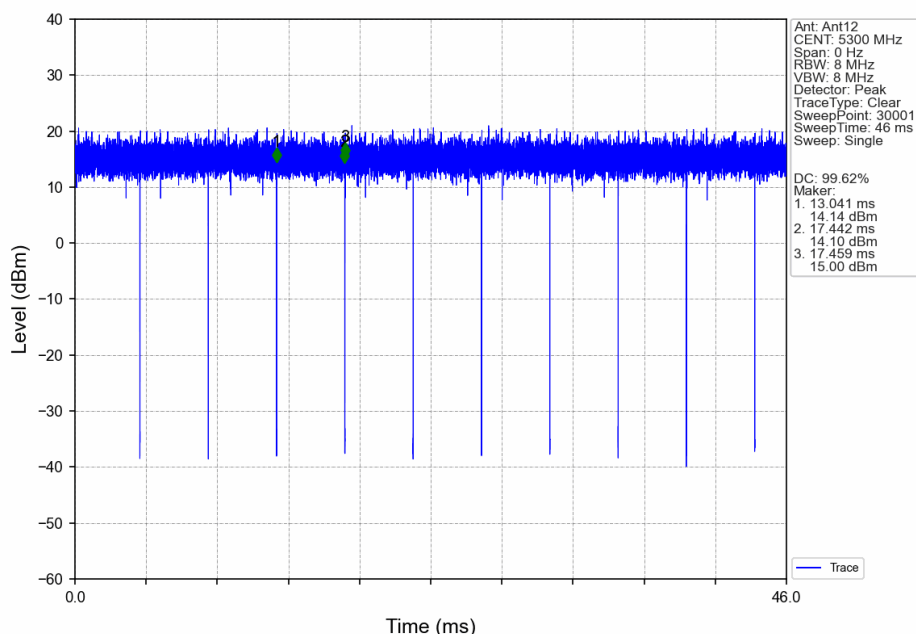
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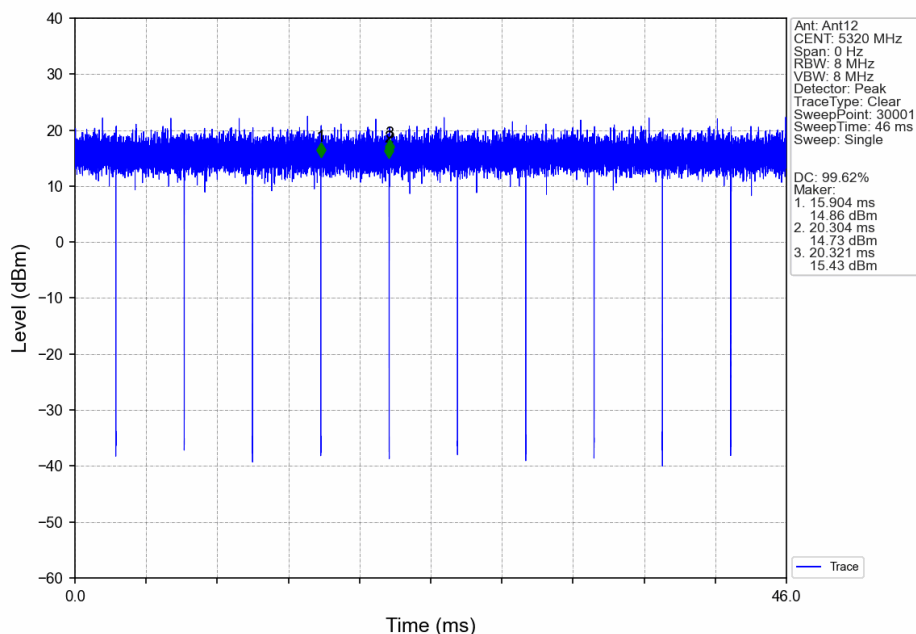
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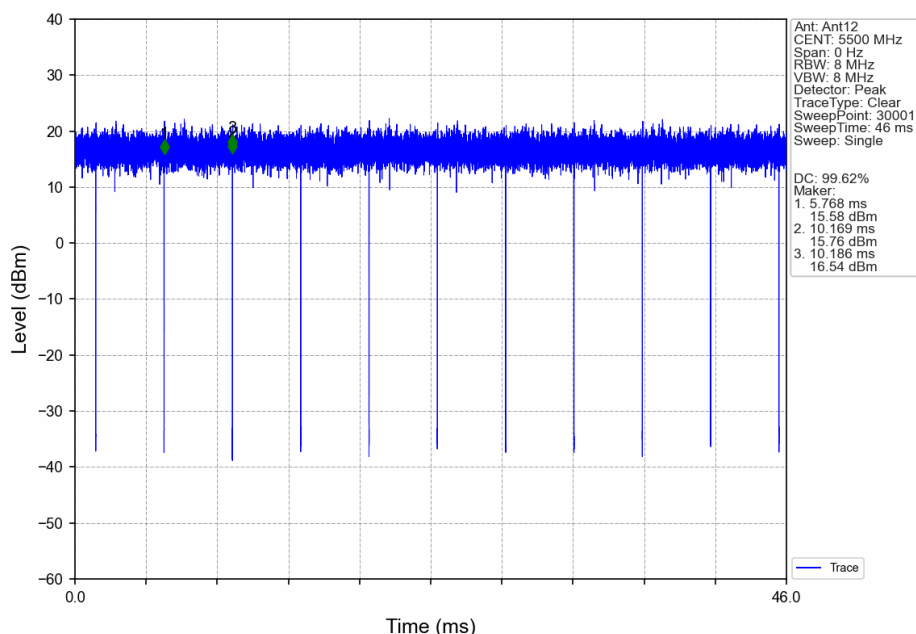
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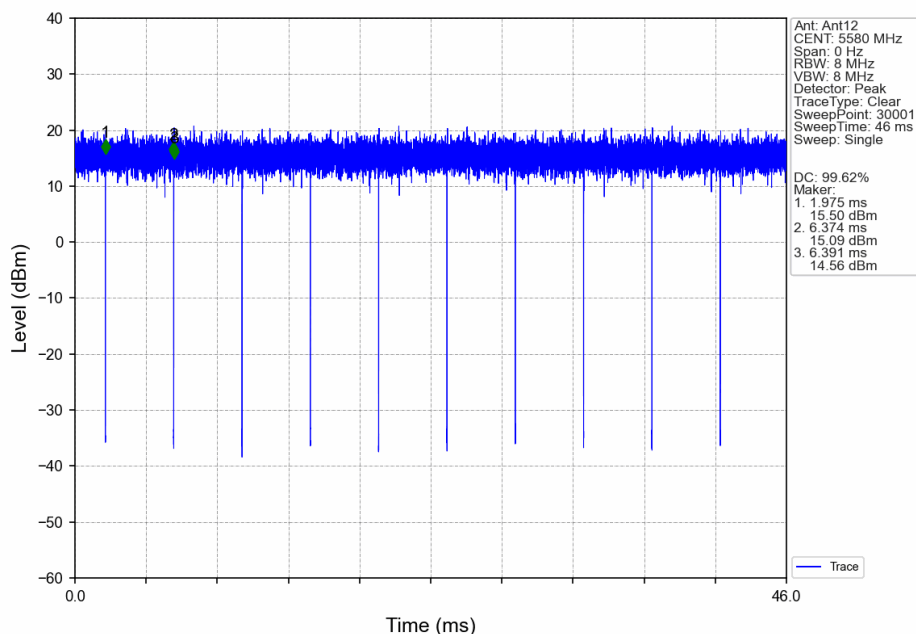
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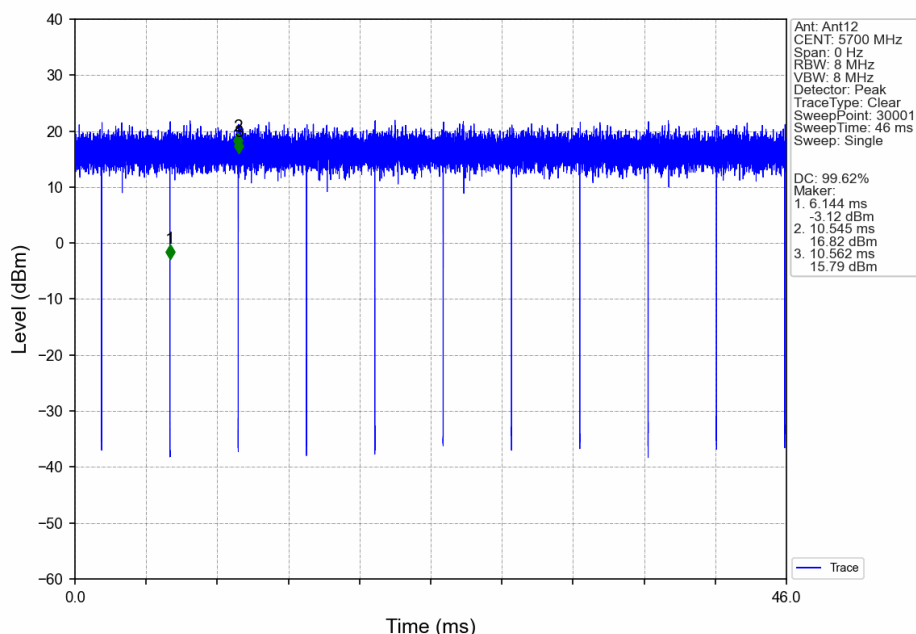
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802.11ax(HEW20)_MCH_5580MHz_RU242_Left_Ant12_NTNV



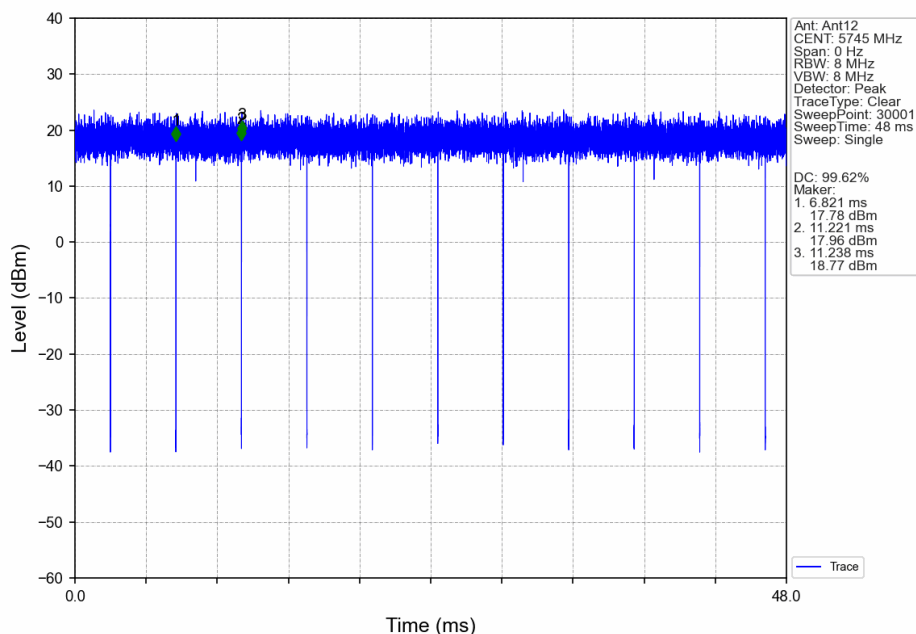
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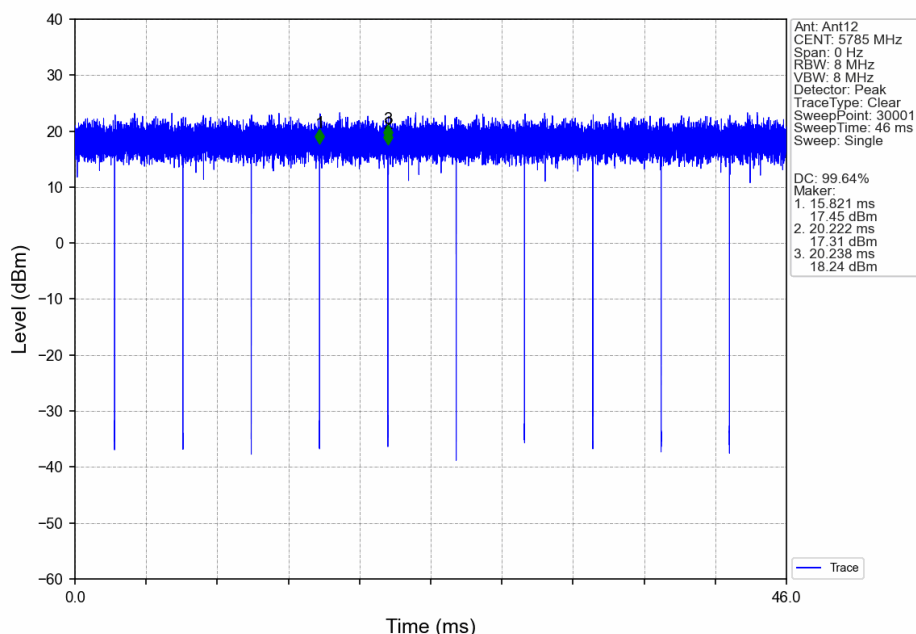
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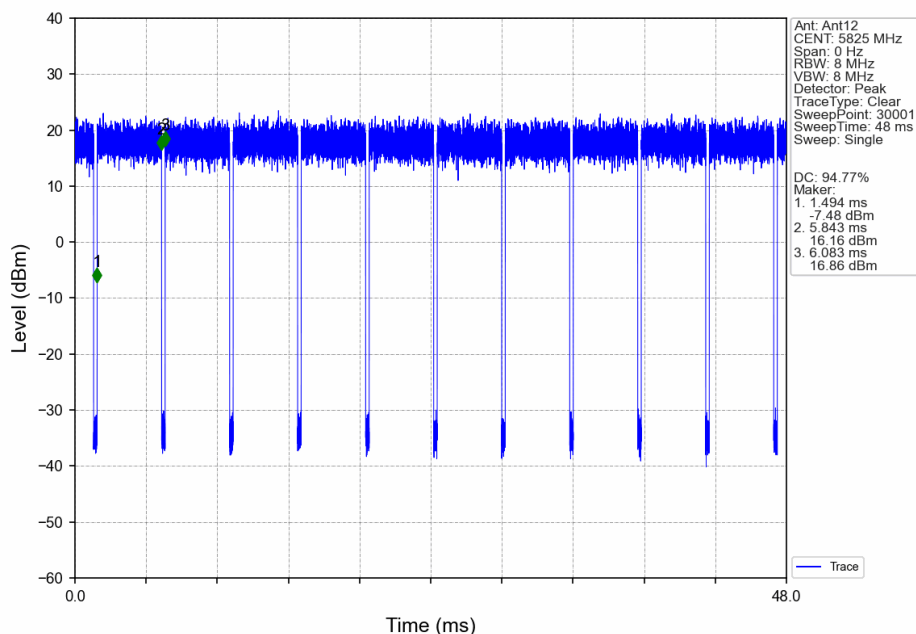
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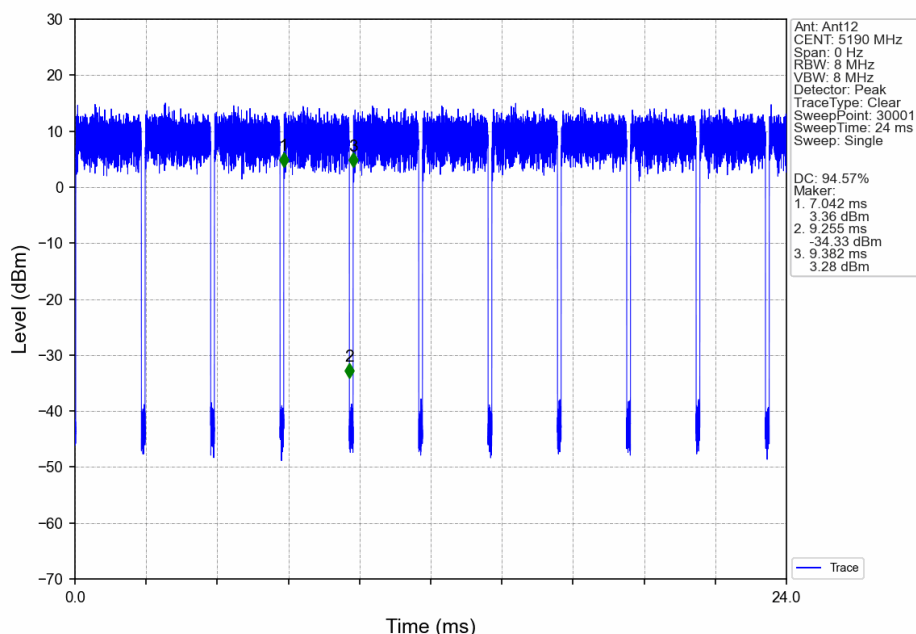
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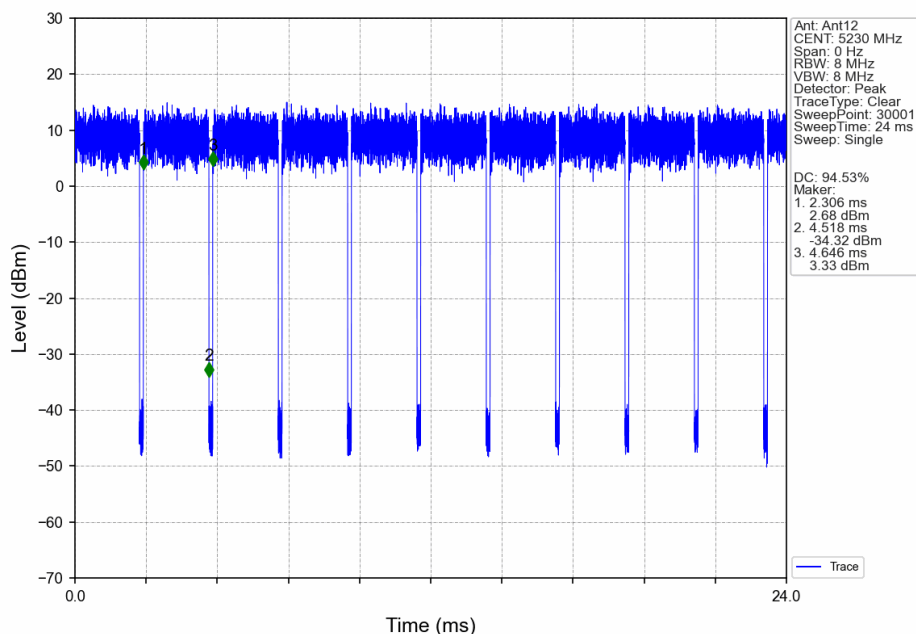
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant12_NTNV



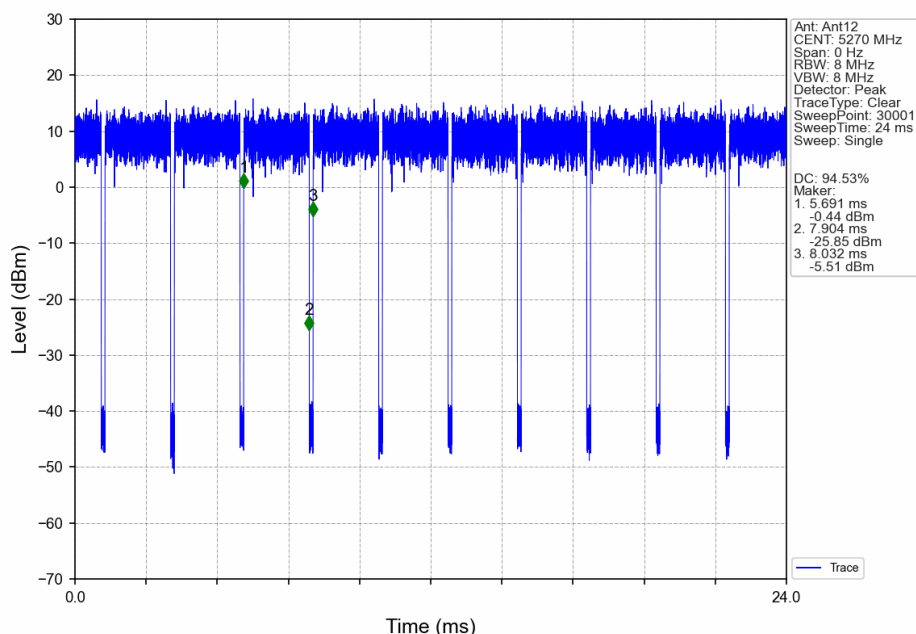
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802.11ax(HEW40)_HCH_5230MHz_RU484_Left_Ant12_NTNV



802.11ax(HEW40)_LCH_5270MHz_RU484_Left_Ant12_NTNV



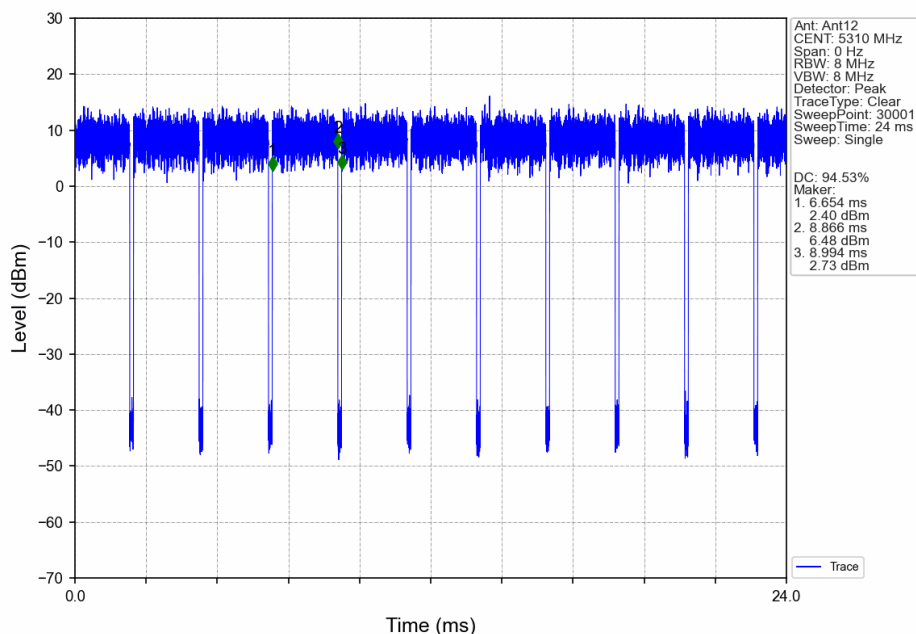
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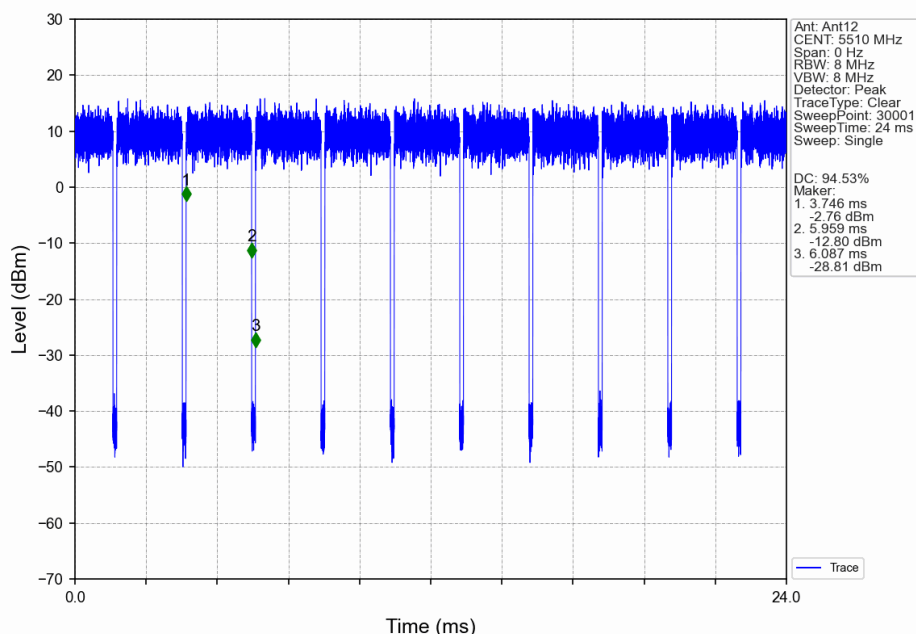
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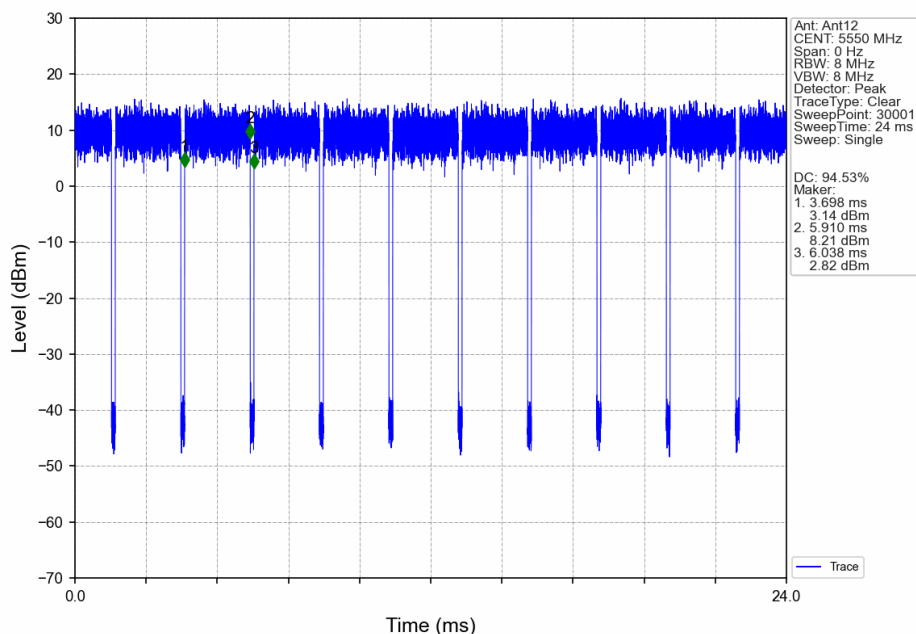
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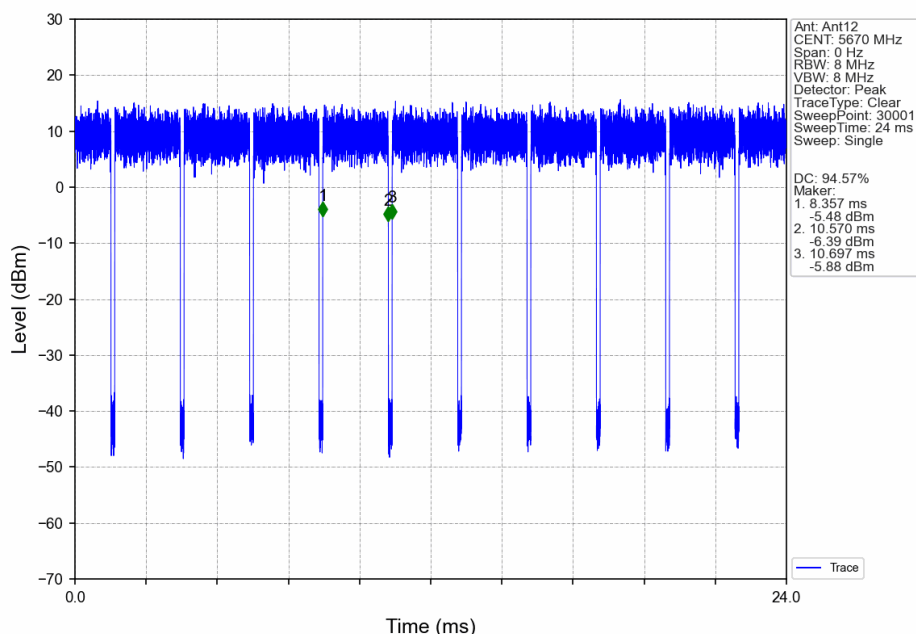
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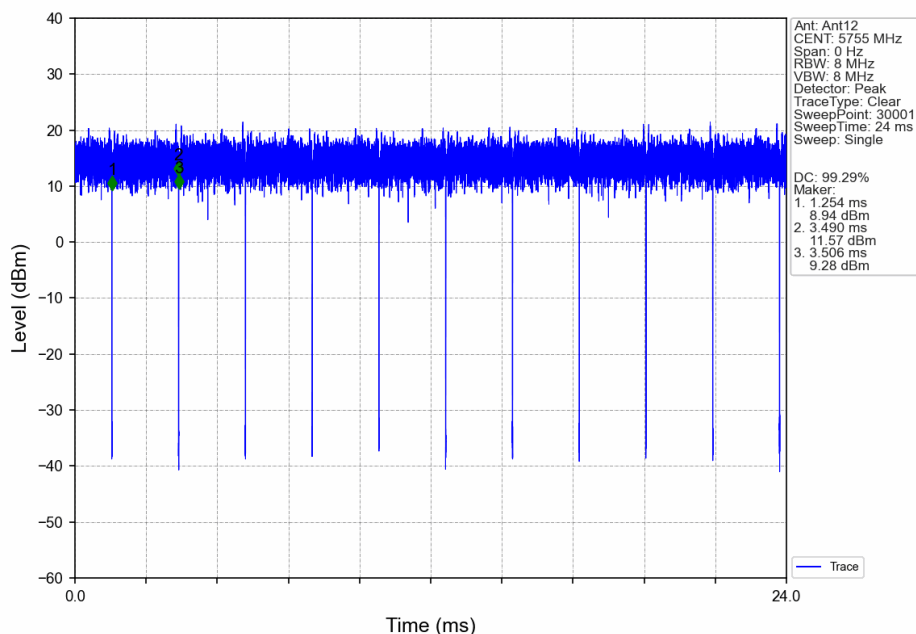
802.11ax(HEW40)_MCH_5550MHz_RU484_Left_Ant12_NTNV



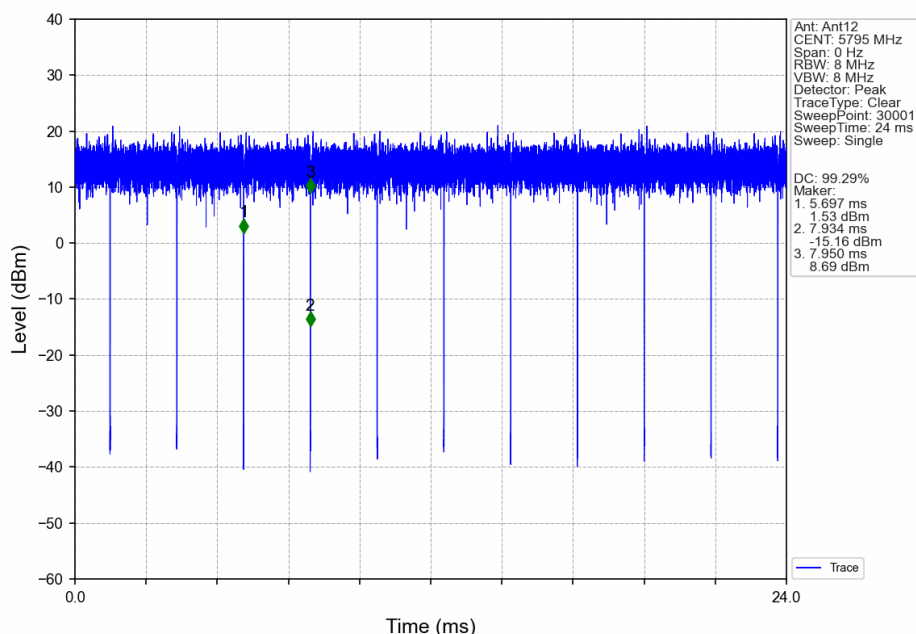
802.11ax(HEW40)_HCH_5670MHz_RU484_Left_Ant12_NTNV



802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant12_NTNV



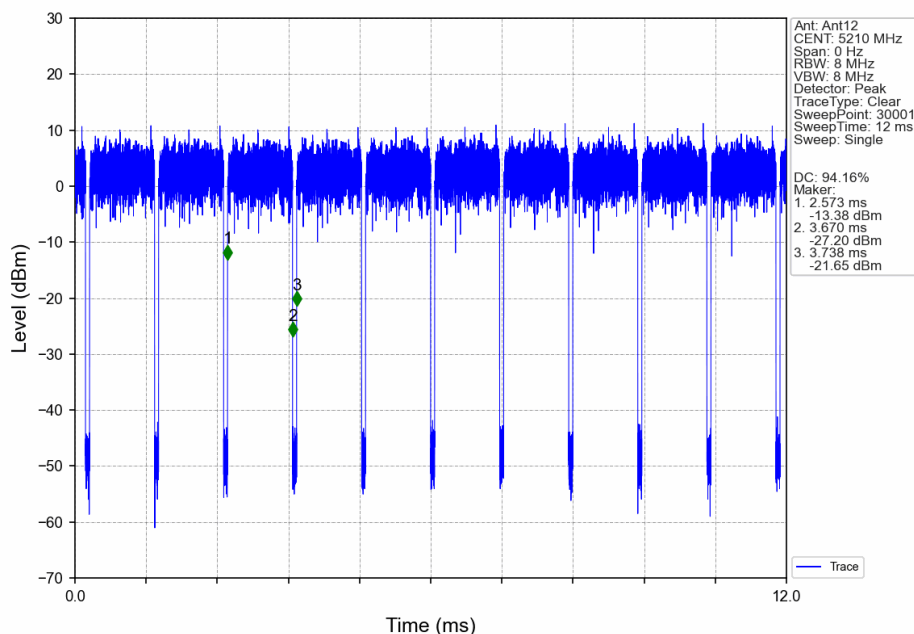
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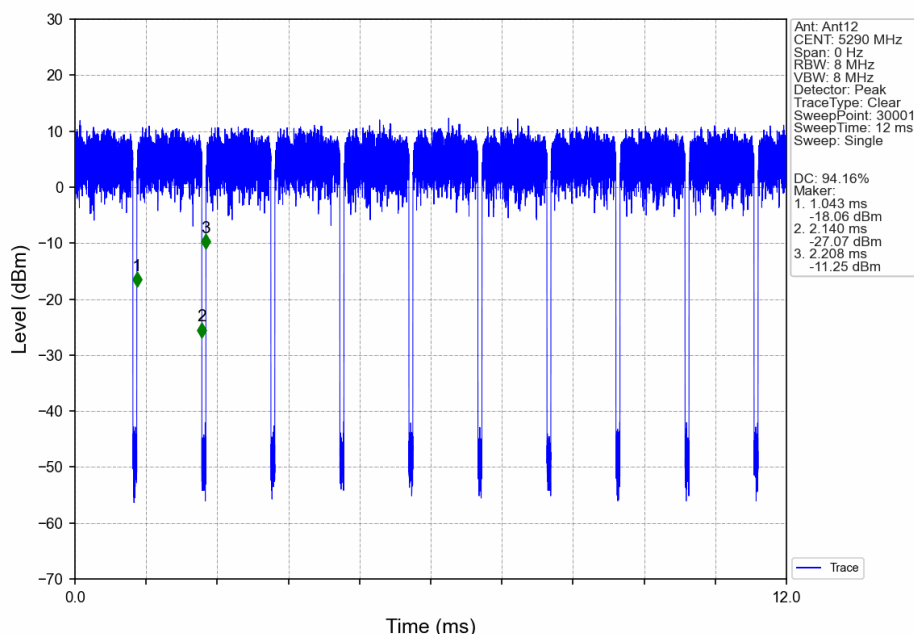
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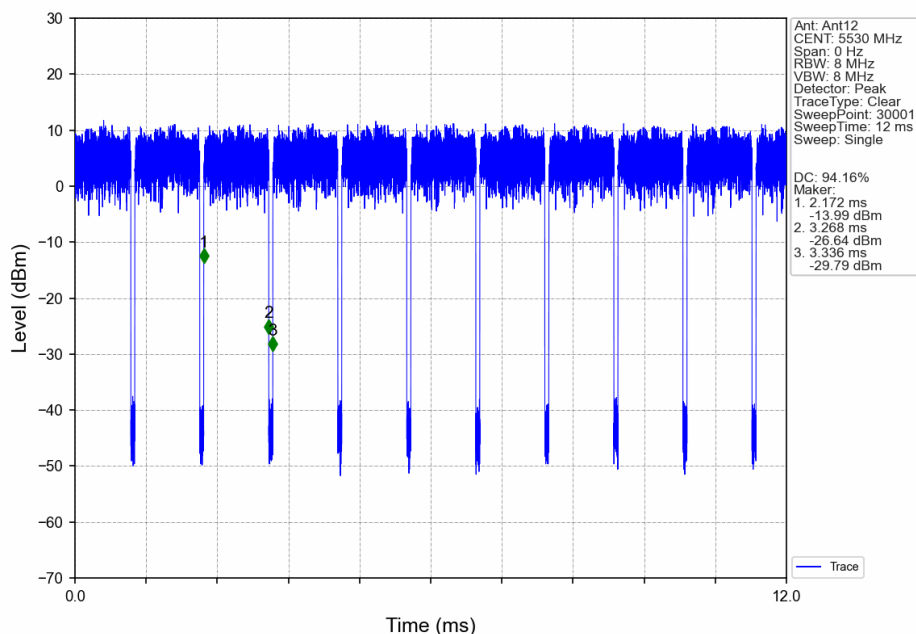
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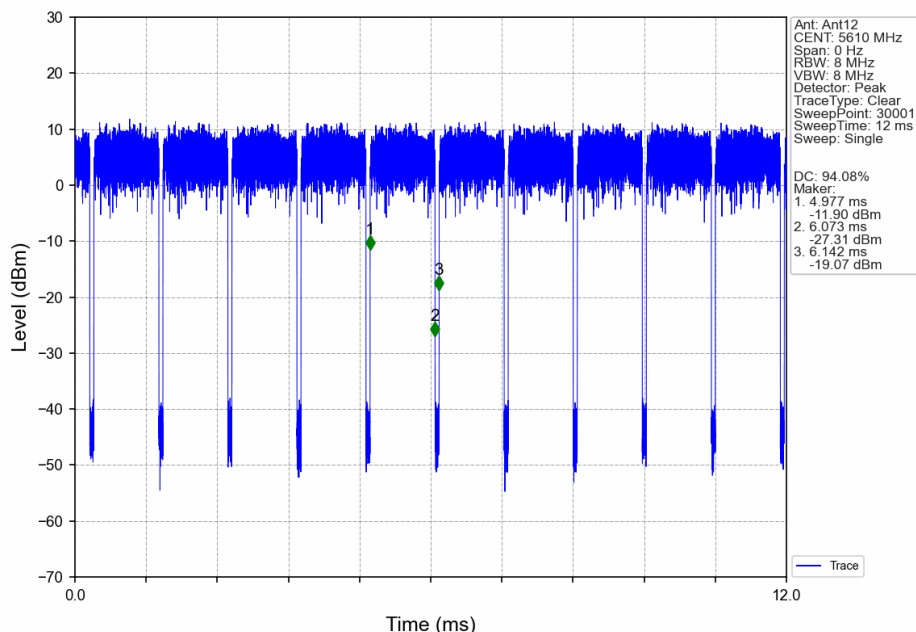
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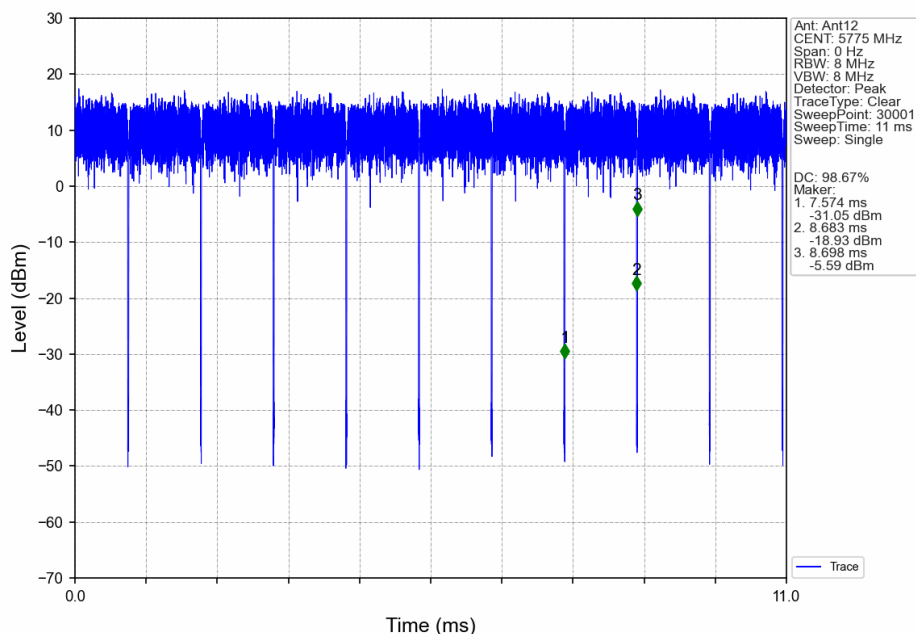
802.11ax(HEW80)_LCH_5530MHz_RU996_Left_Ant12_NTNV



802.11ax(HEW80)_HCH_5610MHz_RU996_Left_Ant12_NTNV



802.11ax(HEW80)_MCH_5775MHz_RU996_Left_Ant12_NTNV



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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	/	/	12	16.828	/	Pass
		5200	/	/	12	16.791	/	Pass
		5240	/	/	12	16.762	/	Pass
		5260	/	/	12	16.825	/	Pass
		5300	/	/	12	16.810	/	Pass
		5320	/	/	12	16.785	/	Pass
		5500	/	/	12	16.578	/	Pass
		5580	/	/	12	16.614	/	Pass
		5700	/	/	12	16.586	/	Pass
		5745	/	/	12	16.818	/	Pass
		5785	/	/	12	16.798	/	Pass
		5825	/	/	12	16.642	/	Pass
802.11n (HT20)	SISO	5180	/	/	12	17.917	/	Pass
		5200	/	/	12	17.931	/	Pass
		5240	/	/	12	17.883	/	Pass
		5260	/	/	12	17.900	/	Pass
		5300	/	/	12	17.924	/	Pass
		5320	/	/	12	17.896	/	Pass
		5500	/	/	12	17.903	/	Pass
		5580	/	/	12	17.908	/	Pass
		5700	/	/	12	17.899	/	Pass
		5745	/	/	12	17.902	/	Pass
		5785	/	/	12	17.859	/	Pass
		5825	/	/	12	17.819	/	Pass
802.11n (HT40)	SISO	5190	/	/	12	36.305	/	Pass
		5230	/	/	12	36.337	/	Pass
		5270	/	/	12	36.297	/	Pass
		5310	/	/	12	36.288	/	Pass
		5510	/	/	12	36.268	/	Pass
		5550	/	/	12	36.236	/	Pass
		5670	/	/	12	36.279	/	Pass



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241000395408

Page: 320 of 498

		5755	/	/	12	36.367	/	Pass
		5795	/	/	12	36.254	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	12	17.906	/	Pass
		5200	/	/	12	17.940	/	Pass
		5240	/	/	12	17.906	/	Pass
		5260	/	/	12	17.896	/	Pass
		5300	/	/	12	17.917	/	Pass
		5320	/	/	12	17.890	/	Pass
		5500	/	/	12	17.805	/	Pass
		5580	/	/	12	17.778	/	Pass
		5700	/	/	12	17.770	/	Pass
		5745	/	/	12	17.895	/	Pass
		5785	/	/	12	17.892	/	Pass
		5825	/	/	12	17.832	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	12	36.140	/	Pass
		5230	/	/	12	36.113	/	Pass
		5270	/	/	12	36.099	/	Pass
		5310	/	/	12	36.071	/	Pass
		5510	/	/	12	36.116	/	Pass
		5550	/	/	12	36.073	/	Pass
		5670	/	/	12	36.149	/	Pass
		5755	/	/	12	36.326	/	Pass
802.11ac (VHT80)	SISO	5795	/	/	12	36.290	/	Pass
		5210	/	/	12	75.527	/	Pass
		5290	/	/	12	75.438	/	Pass
		5530	/	/	12	75.442	/	Pass
		5610	/	/	12	75.482	/	Pass
802.11ax (HEW20)	SISO	5775	/	/	12	75.838	/	Pass
		5180	RU242	Left	12	19.633	/	Pass
		5200	RU242	Left	12	19.637	/	Pass
		5240	RU242	Left	12	19.583	/	Pass
		5260	RU242	Left	12	20.087	/	Pass
		5300	RU242	Left	12	19.620	/	Pass
		5320	RU242	Left	12	19.493	/	Pass
		5500	RU242	Left	12	19.595	/	Pass
		5580	RU242	Left	12	19.905	/	Pass
		5700	RU242	Left	12	19.440	/	Pass
		5745	RU242	Left	12	24.096	/	Pass
		5785	RU242	Left	12	20.179	/	Pass
		5825	RU242	Left	12	21.849	/	Pass



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241000395408

Page: 321 of 498

802.11ax (HEW40)	SISO	5190	RU484	Left	12	38.877	/	Pass
		5230	RU484	Left	12	38.772	/	Pass
		5270	RU484	Left	12	38.875	/	Pass
		5310	RU484	Left	12	38.870	/	Pass
		5510	RU484	Left	12	38.927	/	Pass
		5550	RU484	Left	12	38.793	/	Pass
		5670	RU484	Left	12	39.226	/	Pass
		5755	RU484	Left	12	47.383	/	Pass
		5795	RU484	Left	12	43.374	/	Pass
802.11ax (HEW80)	SISO	5210	RU996	Left	12	78.821	/	Pass
		5290	RU996	Left	12	78.835	/	Pass
		5530	RU996	Left	12	78.783	/	Pass
		5610	RU996	Left	12	79.309	/	Pass
		5775	RU996	Left	12	97.581	/	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	/	/	12	16.080	>=0.5	Pass
		5785	/	/	12	16.325	>=0.5	Pass
		5825	/	/	12	15.052	>=0.5	Pass
802.11n (HT20)	SISO	5745	/	/	12	17.062	>=0.5	Pass
		5785	/	/	12	16.903	>=0.5	Pass
		5825	/	/	12	15.020	>=0.5	Pass
802.11n (HT40)	SISO	5755	/	/	12	35.542	>=0.5	Pass
		5795	/	/	12	35.932	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	12	16.827	>=0.5	Pass
		5785	/	/	12	16.497	>=0.5	Pass
		5825	/	/	12	15.165	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	12	36.075	>=0.5	Pass
		5795	/	/	12	35.463	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	/	/	12	75.068	>=0.5	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	12	19.095	>=0.5	Pass
		5785	RU242	Left	12	19.114	>=0.5	Pass
		5825	RU242	Left	12	19.113	>=0.5	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	12	38.150	>=0.5	Pass
		5795	RU484	Left	12	38.122	>=0.5	Pass
802.11ax (HEW80)	SISO	5775	RU996	Left	12	78.158	>=0.5	Pass



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241000395408

Page: 322 of 498

2.1.3 26dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	12	19.914	/	Pass
		5200	/	/	12	19.678	/	Pass
		5240	/	/	12	19.992	/	Pass
		5260	/	/	12	19.484	/	Pass
		5300	/	/	12	19.574	/	Pass
		5320	/	/	12	19.724	/	Pass
		5500	/	/	12	18.663	/	Pass
		5580	/	/	12	18.904	/	Pass
		5700	/	/	12	18.561	/	Pass
802.11n (HT20)	SISO	5180	/	/	12	20.957	/	Pass
		5200	/	/	12	20.618	/	Pass
		5240	/	/	12	20.721	/	Pass
		5260	/	/	12	20.490	/	Pass
		5300	/	/	12	20.715	/	Pass
		5320	/	/	12	20.562	/	Pass
		5500	/	/	12	20.502	/	Pass
		5580	/	/	12	20.796	/	Pass
		5700	/	/	12	20.178	/	Pass
802.11n (HT40)	SISO	5190	/	/	12	39.899	/	Pass
		5230	/	/	12	39.971	/	Pass
		5270	/	/	12	39.994	/	Pass
		5310	/	/	12	40.056	/	Pass
		5510	/	/	12	40.105	/	Pass
		5550	/	/	12	40.099	/	Pass
		5670	/	/	12	39.887	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	12	20.774	/	Pass
		5200	/	/	12	20.652	/	Pass
		5240	/	/	12	21.191	/	Pass
		5260	/	/	12	20.575	/	Pass
		5300	/	/	12	20.540	/	Pass
		5320	/	/	12	20.783	/	Pass
		5500	/	/	12	20.038	/	Pass
		5580	/	/	12	20.088	/	Pass
		5700	/	/	12	19.800	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	12	39.886	/	Pass
		5230	/	/	12	40.134	/	Pass



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241000395408

Page: 323 of 498

		5270	/	/	12	39.910	/	Pass
		5310	/	/	12	39.296	/	Pass
		5510	/	/	12	39.189	/	Pass
		5550	/	/	12	39.334	/	Pass
		5670	/	/	12	39.572	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	12	81.828	/	Pass
		5290	/	/	12	81.464	/	Pass
		5530	/	/	12	80.893	/	Pass
		5610	/	/	12	81.012	/	Pass
802.11ax (HEW20)	SISO	5180	RU242	Left	12	27.307	/	Pass
		5200	RU242	Left	12	24.380	/	Pass
		5240	RU242	Left	12	24.297	/	Pass
		5260	RU242	Left	12	35.512	/	Pass
		5300	RU242	Left	12	22.539	/	Pass
		5320	RU242	Left	12	22.438	/	Pass
		5500	RU242	Left	12	26.044	/	Pass
		5580	RU242	Left	12	35.483	/	Pass
802.11ax (HEW40)	SISO	5700	RU242	Left	12	22.271	/	Pass
		5190	RU484	Left	12	44.279	/	Pass
		5230	RU484	Left	12	43.917	/	Pass
		5270	RU484	Left	12	44.092	/	Pass
		5310	RU484	Left	12	43.790	/	Pass
		5510	RU484	Left	12	46.387	/	Pass
		5550	RU484	Left	12	45.173	/	Pass
802.11ax (HEW80)	SISO	5670	RU484	Left	12	57.413	/	Pass
		5210	RU996	Left	12	86.616	/	Pass
		5290	RU996	Left	12	87.093	/	Pass
		5530	RU996	Left	12	86.585	/	Pass
		5610	RU996	Left	12	86.613	/	Pass



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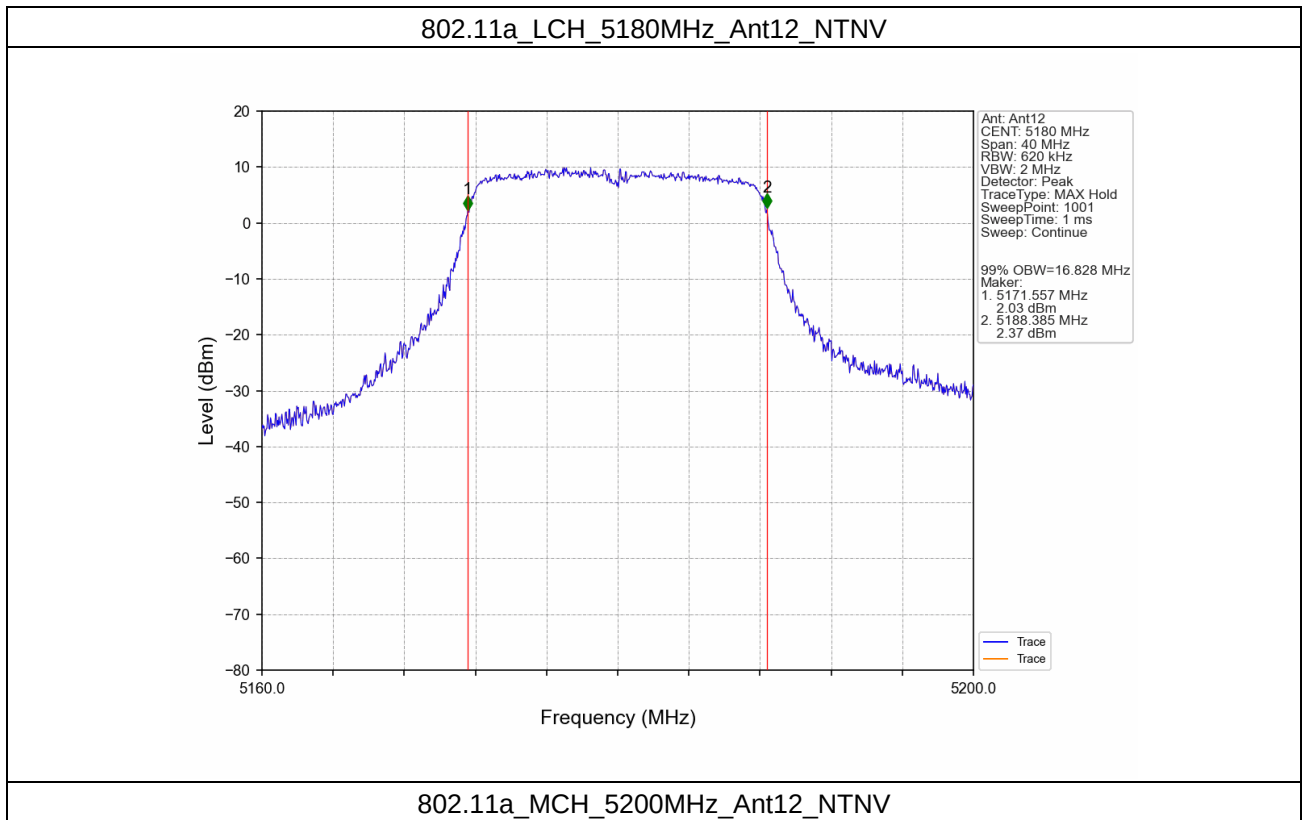
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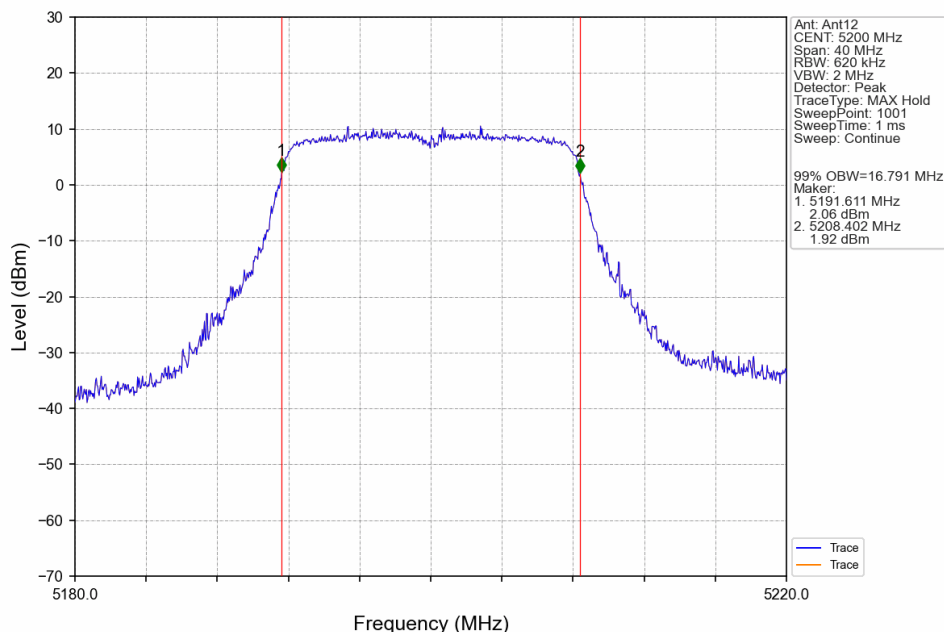
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2.2 Test Graph

2.2.1 OBW

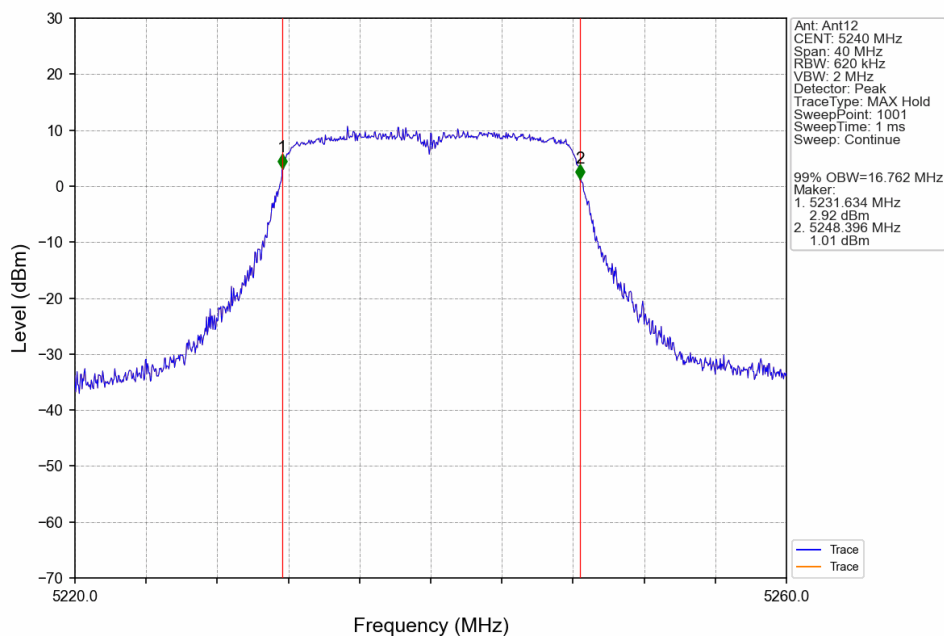




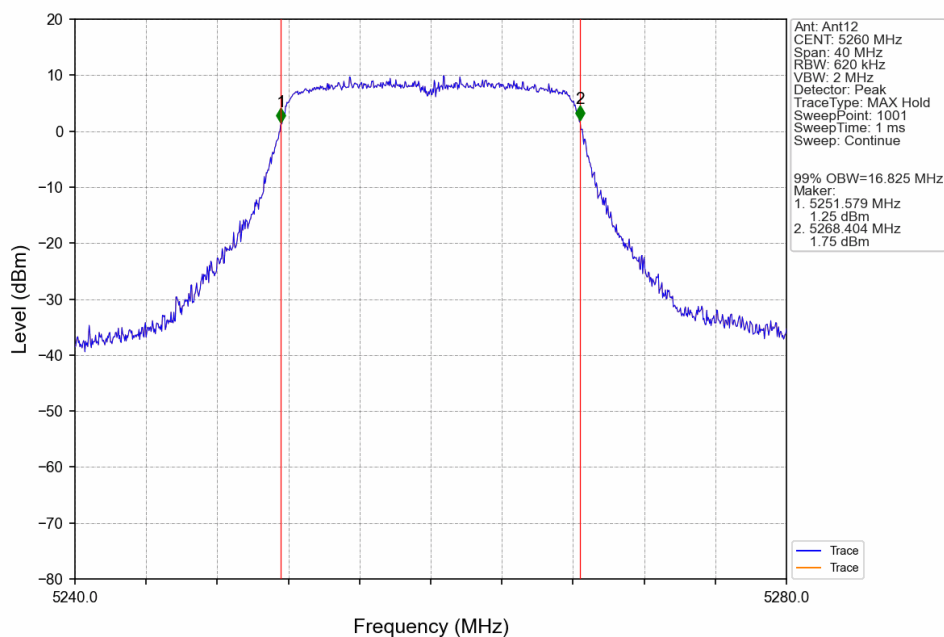
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802.11a_HCH_5240MHz_Ant12_NTNV



802.11a_LCH_5260MHz_Ant12_NTNV



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