

Appendix for 5G Wi-Fi

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1. Duty Cycle

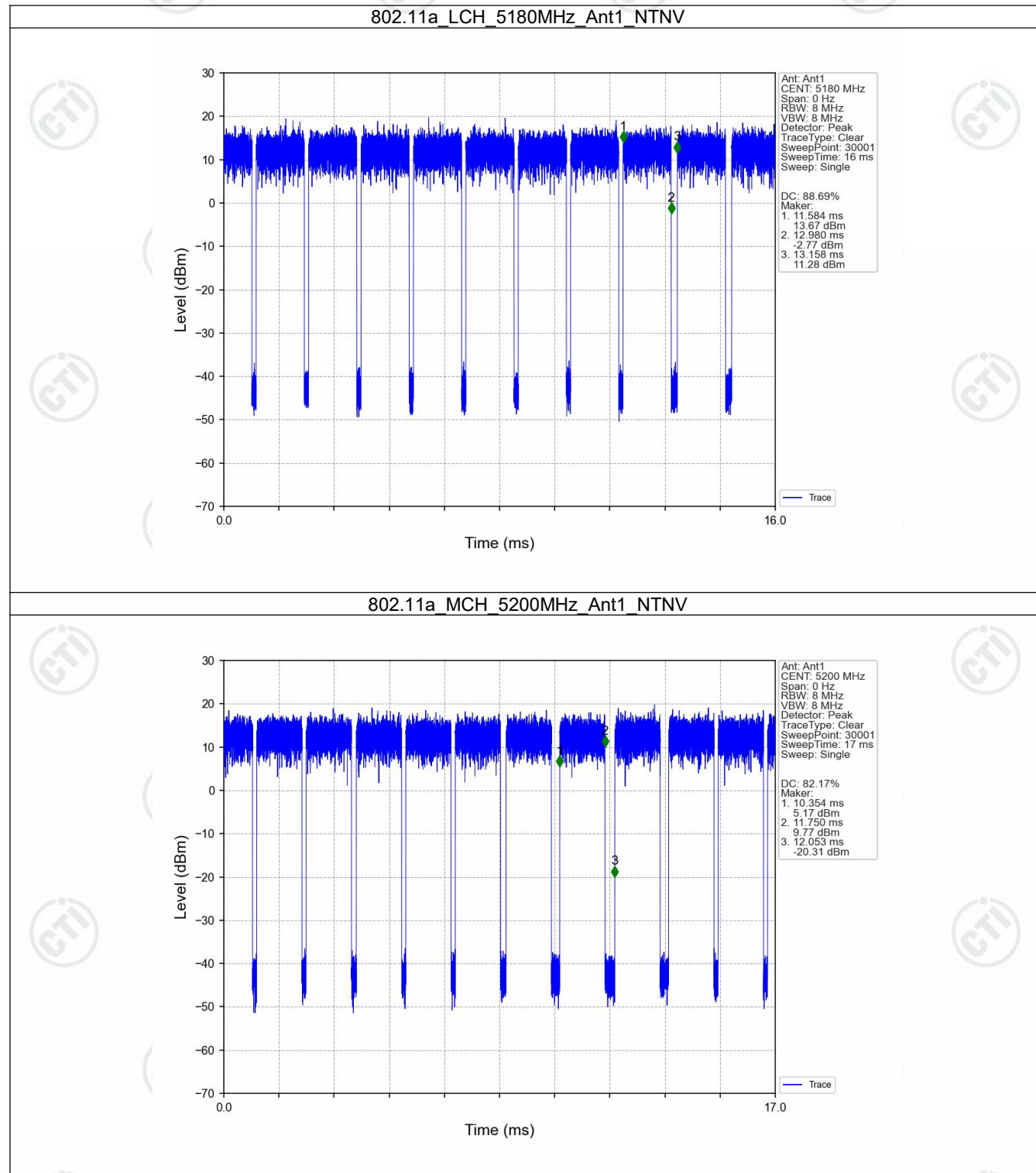
1.1 Test Result

1.1.1 Ant1

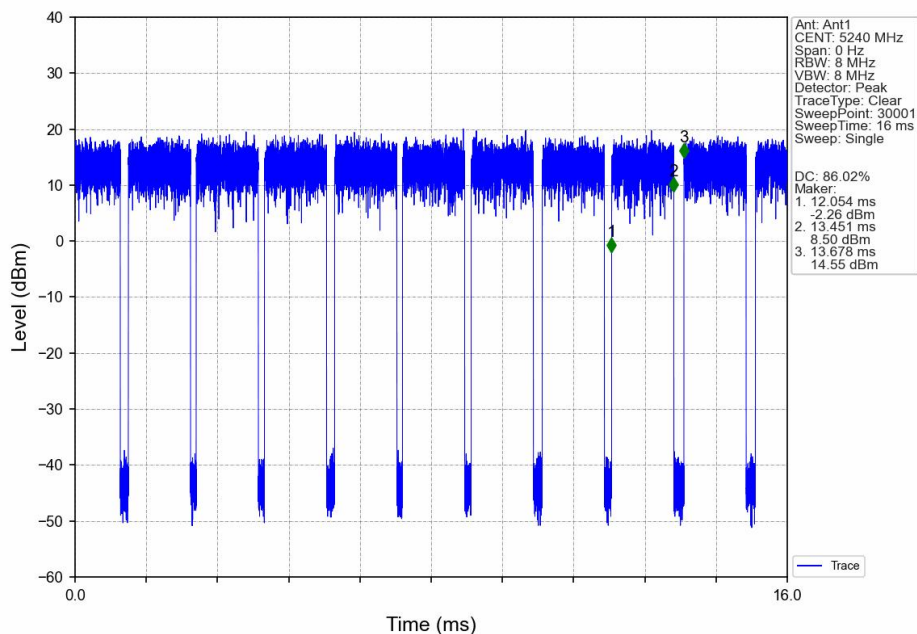
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	1.396	1.574	88.69	0.52	3.18
		5200	/	/	1.396	1.699	82.17	0.85	9.45
		5240	/	/	1.397	1.624	86.02	0.65	5.63
		5745	/	/	1.396	1.548	90.18	0.45	1.61
		5785	/	/	1.396	1.659	84.15	0.75	7.43
		5825	/	/	1.397	1.633	85.55	0.68	6.08
802.11n (HT20)	SISO	5180	/	/	5.094	5.272	96.62	0.15	1.00
		5200	/	/	5.093	5.218	97.60	0.11	0.04
		5240	/	/	5.094	5.272	96.62	0.15	1.00
		5745	/	/	5.090	5.258	96.80	0.14	0.82
		5785	/	/	5.089	5.267	96.62	0.15	1.00
		5825	/	/	5.088	5.306	95.89	0.18	1.32
802.11n (HT40)	SISO	5190	/	/	4.908	5.061	96.98	0.13	0.72
		5230	/	/	4.917	5.079	96.81	0.14	1.08
		5755	/	/	4.897	5.056	96.86	0.14	0.71
		5795	/	/	4.897	5.186	94.43	0.25	2.37
802.11ac (VHT20)	SISO	5180	/	/	5.120	5.758	88.92	0.51	9.09
		5200	/	/	5.100	5.328	95.72	0.19	1.88
		5240	/	/	5.101	5.310	96.06	0.17	1.51
		5745	/	/	5.102	5.526	92.33	0.35	5.35
		5785	/	/	5.104	5.320	95.94	0.18	1.68
		5825	/	/	5.102	5.328	95.76	0.19	1.81
802.11ac (VHT40)	SISO	5190	/	/	4.909	5.068	96.86	0.14	0.68
		5230	/	/	4.910	5.078	96.69	0.15	0.90
		5755	/	/	4.911	5.424	90.54	0.43	7.02
		5795	/	/	4.930	5.542	88.96	0.51	8.55
802.11ax (HEW20)	SISO	5180	SU	/	3.873	4.042	95.82	0.19	1.10
		5200	SU	/	3.876	4.105	94.42	0.25	2.38
		5240	SU	/	3.873	4.099	94.49	0.25	2.34
		5745	SU	/	3.877	4.046	95.82	0.19	1.11
		5785	SU	/	3.876	4.341	89.29	0.49	7.60
		5825	SU	/	3.878	4.105	94.47	0.25	2.38
802.11ax (HEW40)	SISO	5190	SU	/	3.874	4.109	94.28	0.26	2.54
		5230	SU	/	3.873	4.141	93.53	0.29	2.94
		5755	SU	/	3.874	4.135	93.69	0.28	3.22
		5795	SU	/	3.872	4.041	95.82	0.19	1.11

1.2 Test Graph

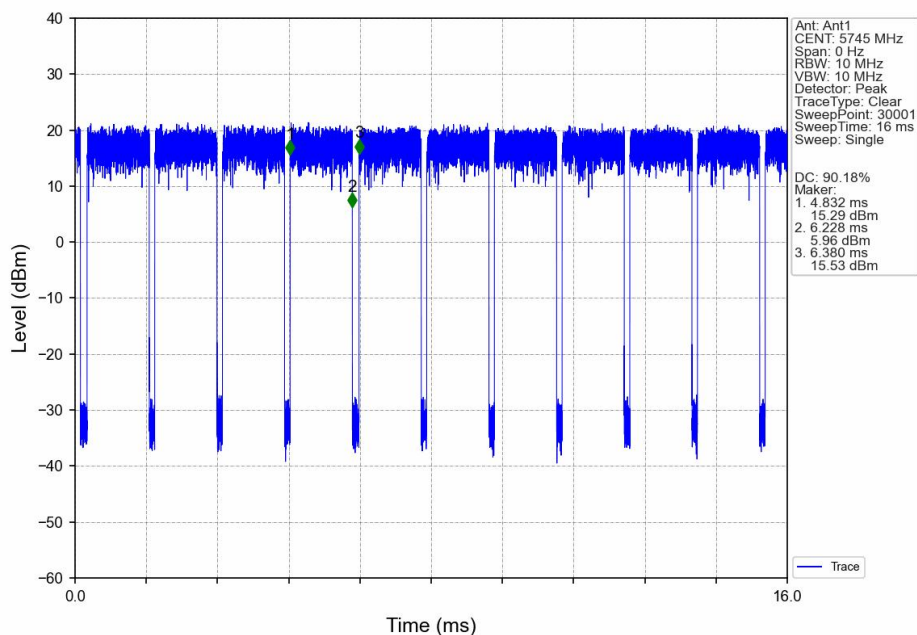
1.2.1 Ant1



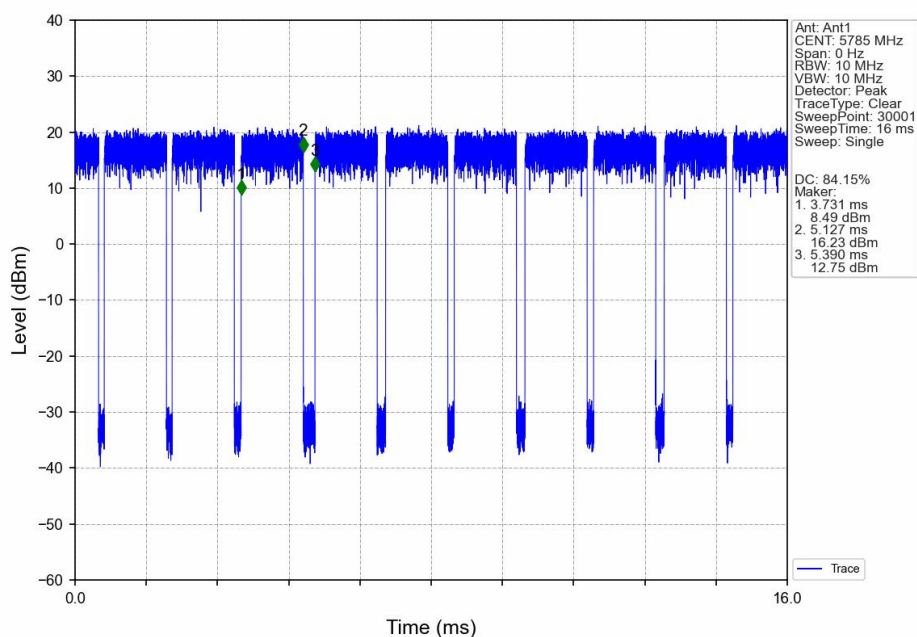
802.11a_HCH_5240MHz_Ant1_NTNV



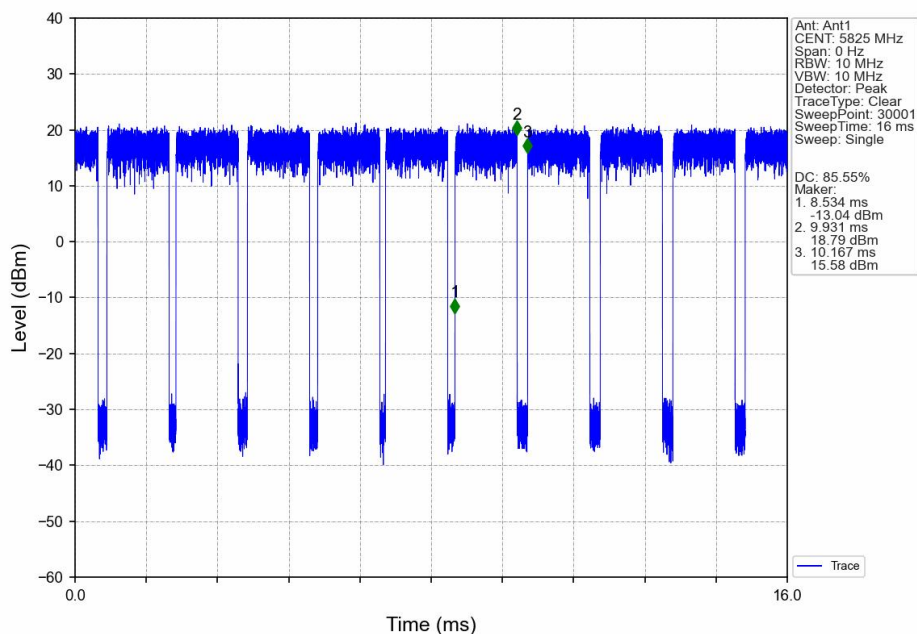
802.11a_LCH_5745MHz_Ant1_NTNV



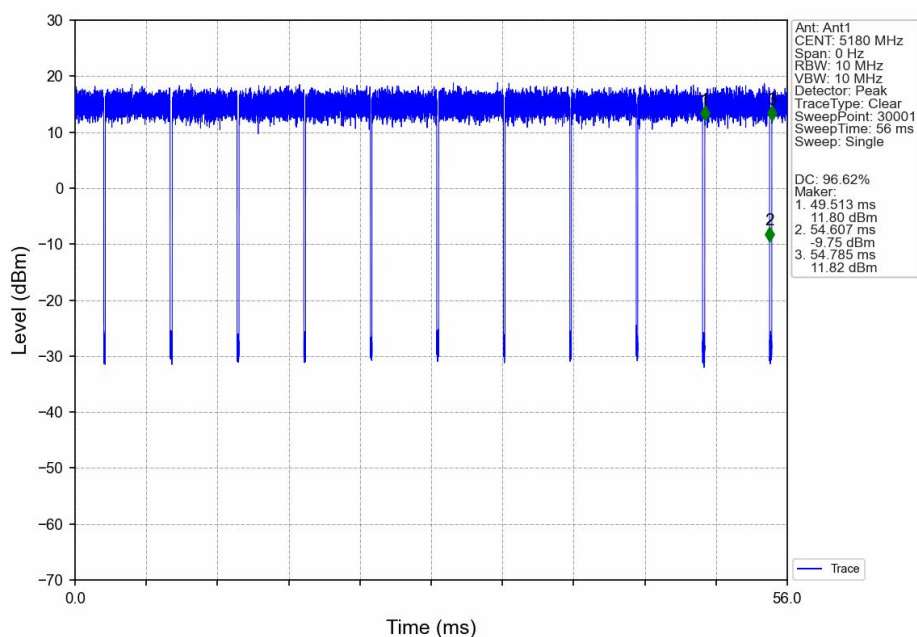
802.11a_MCH_5785MHz_Ant1_NTNV



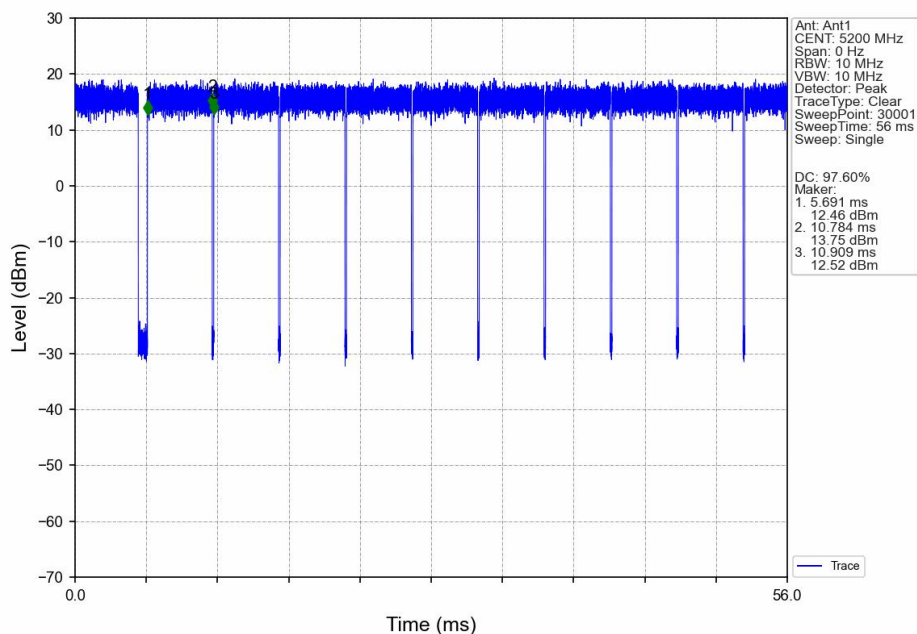
802.11a_HCH_5825MHz_Ant1_NTNV



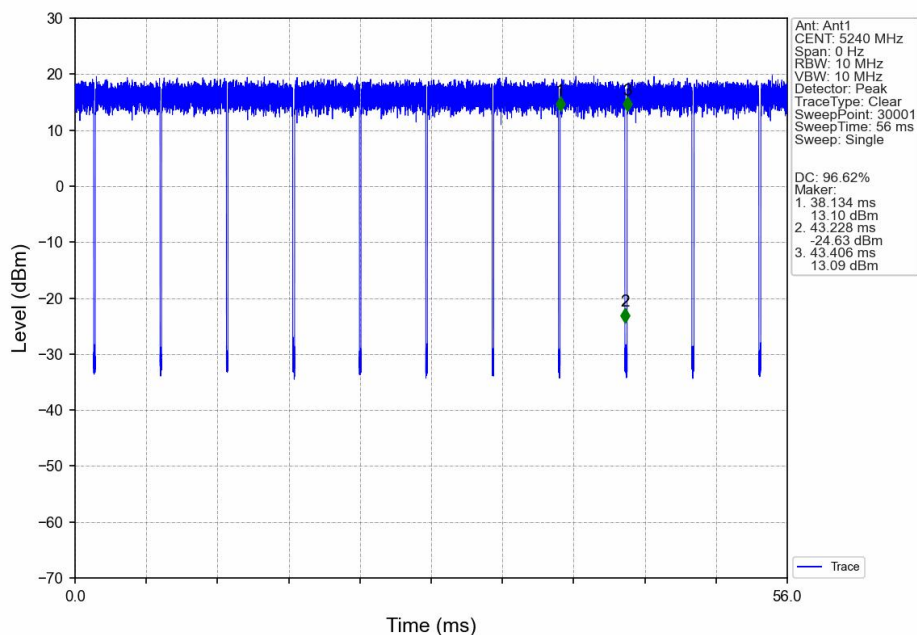
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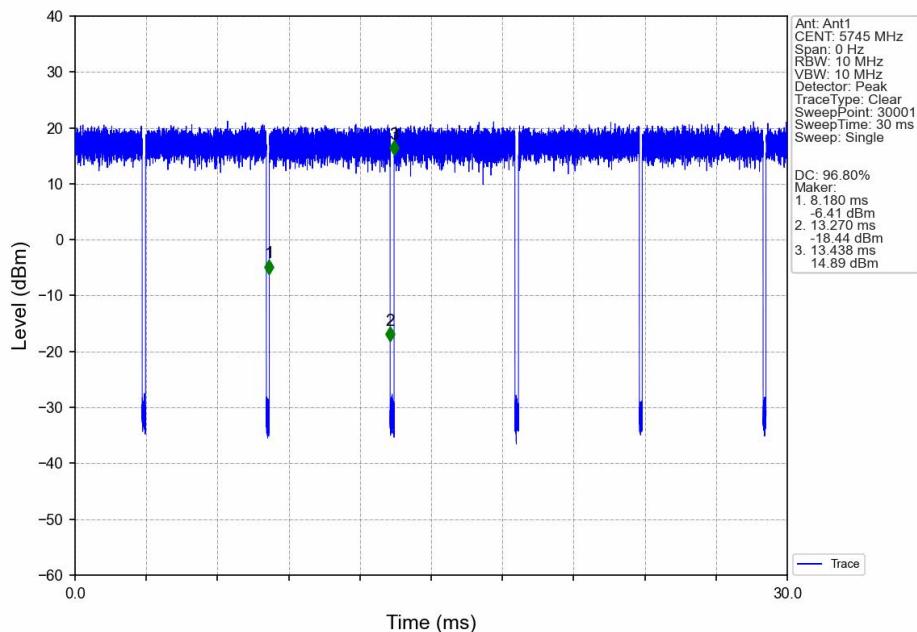
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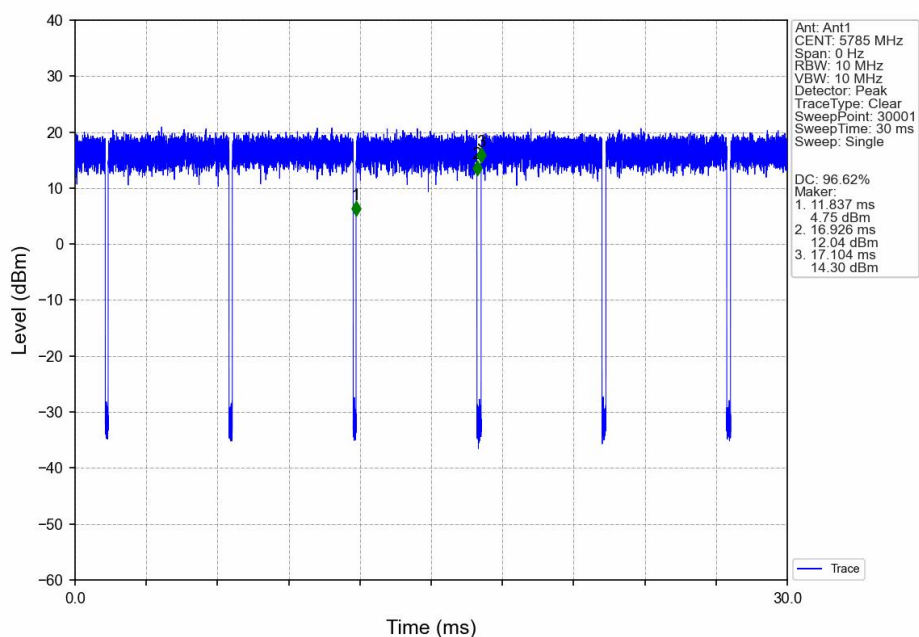
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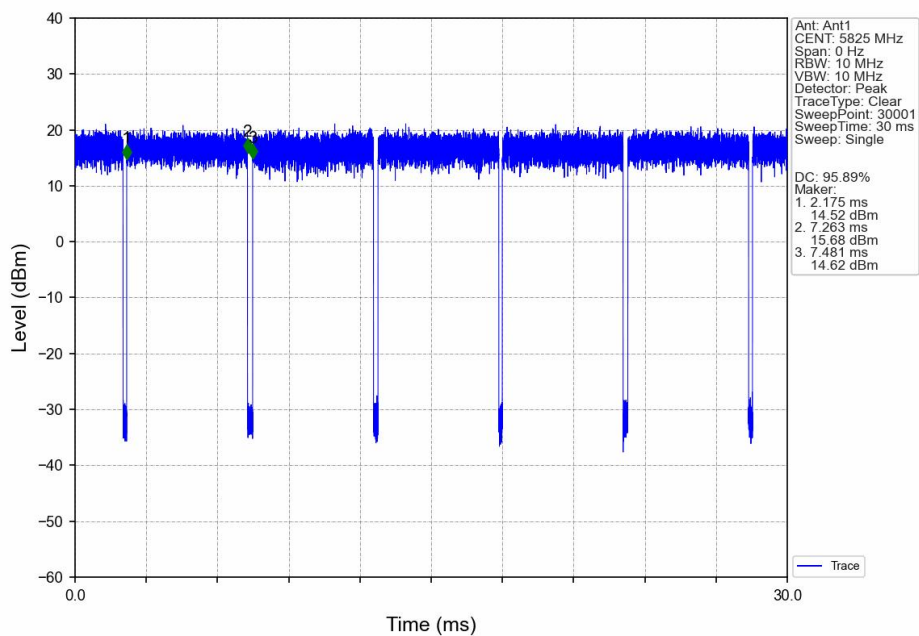
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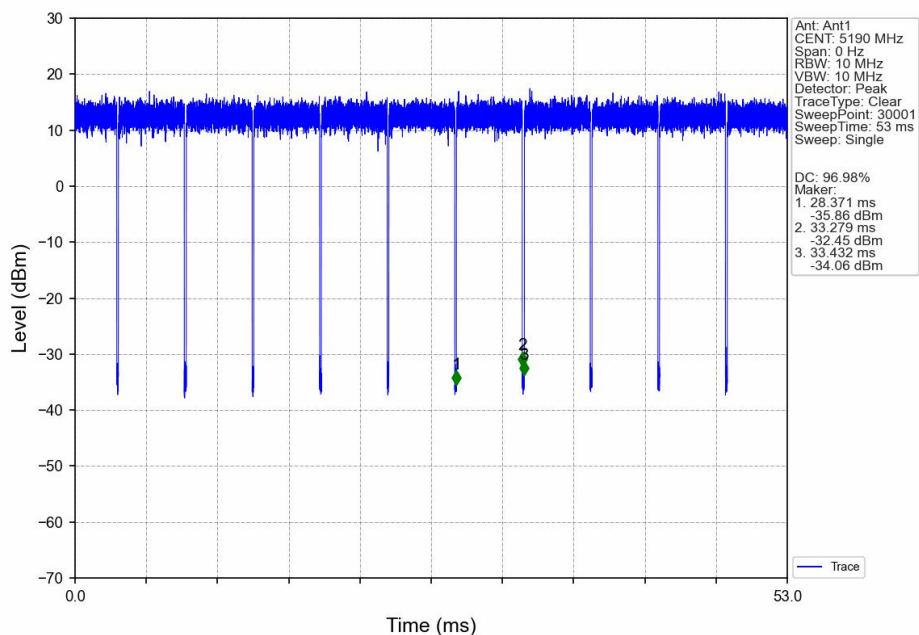
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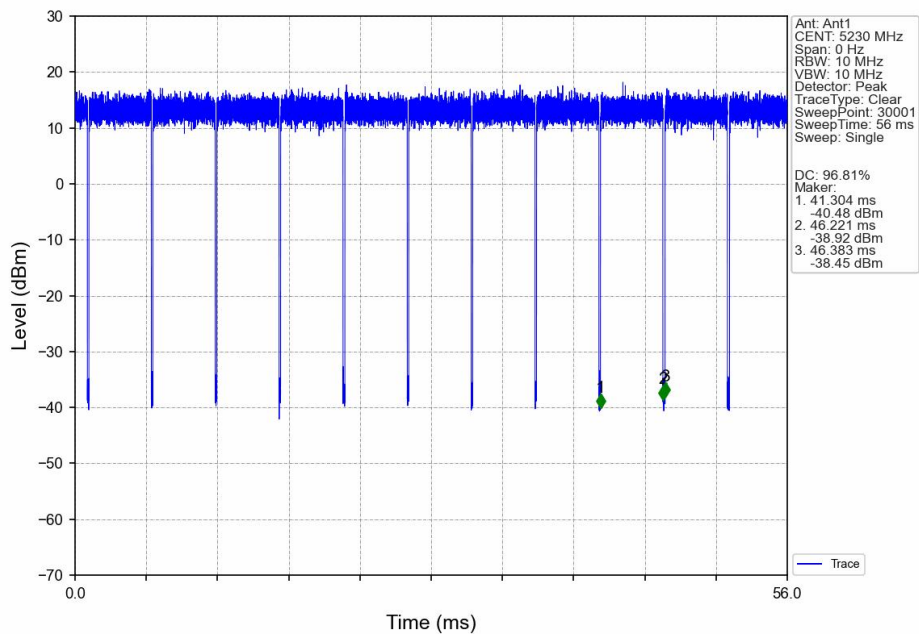
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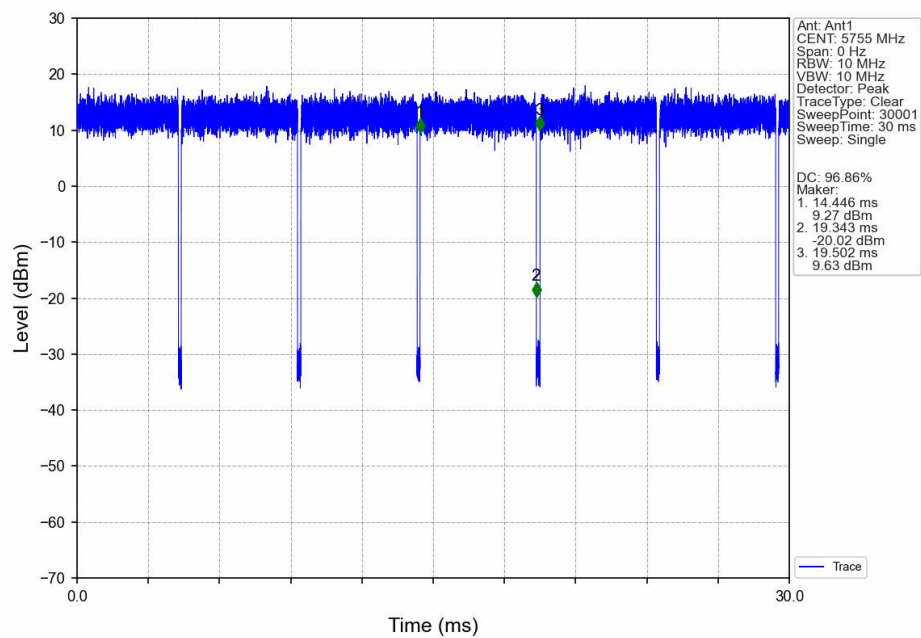
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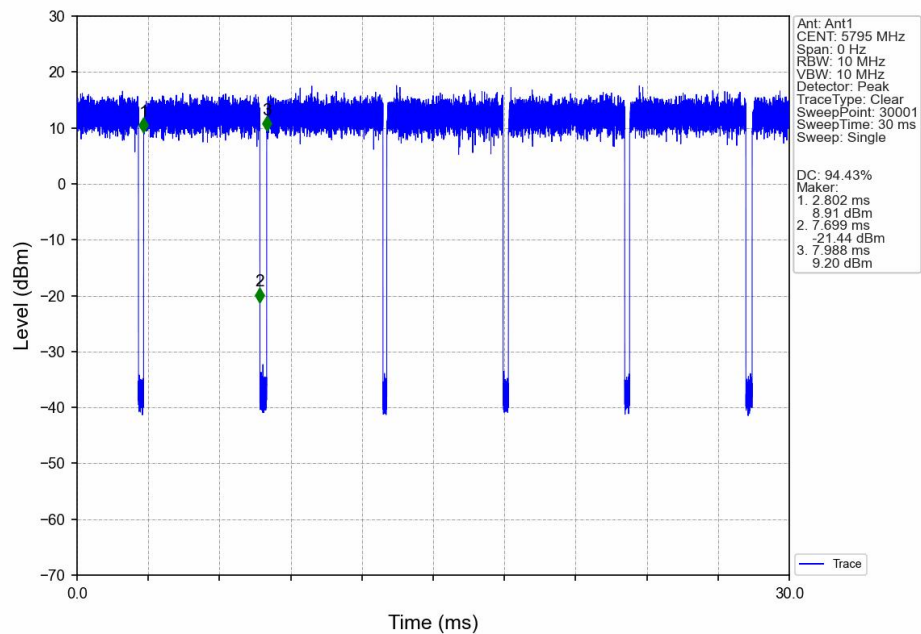
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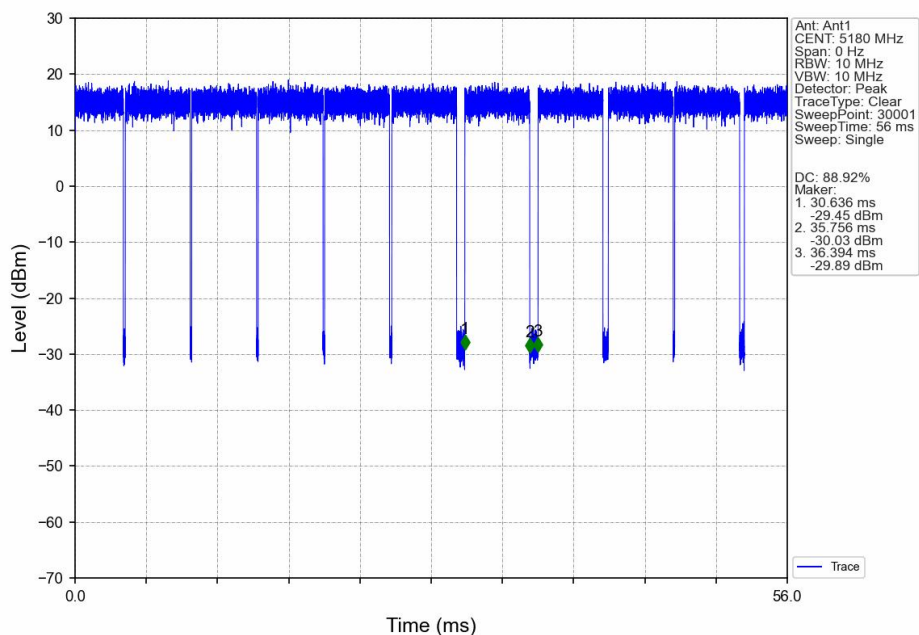
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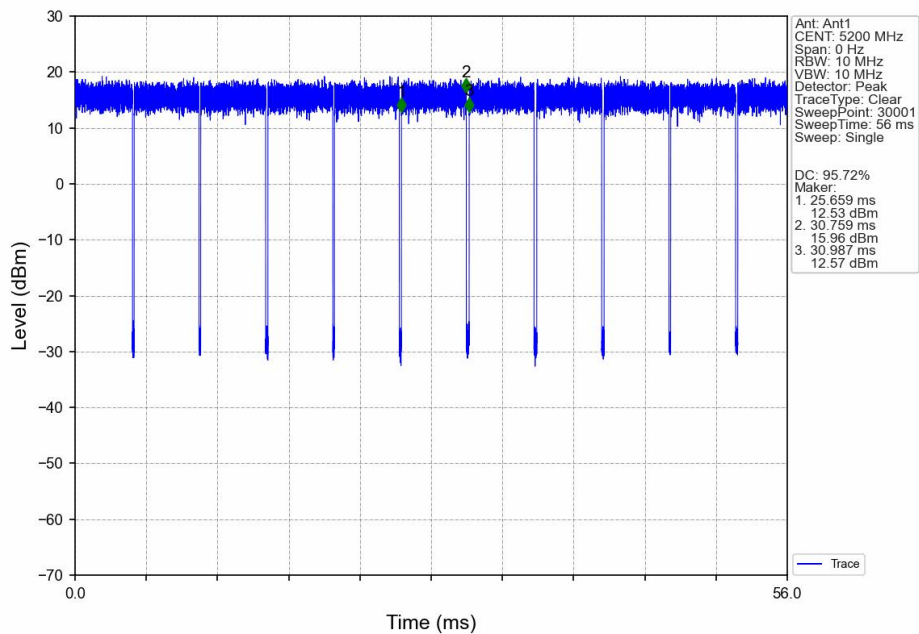
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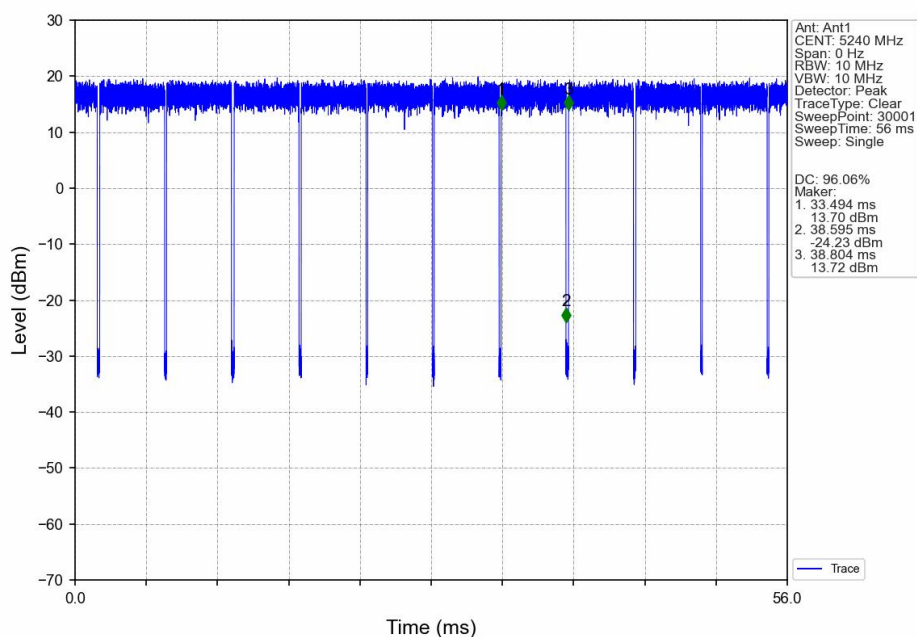
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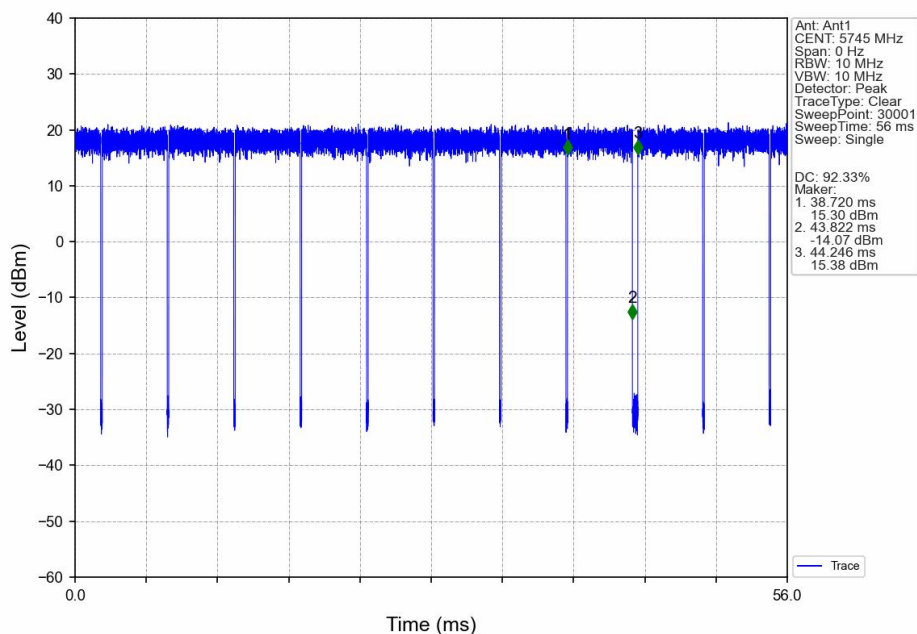
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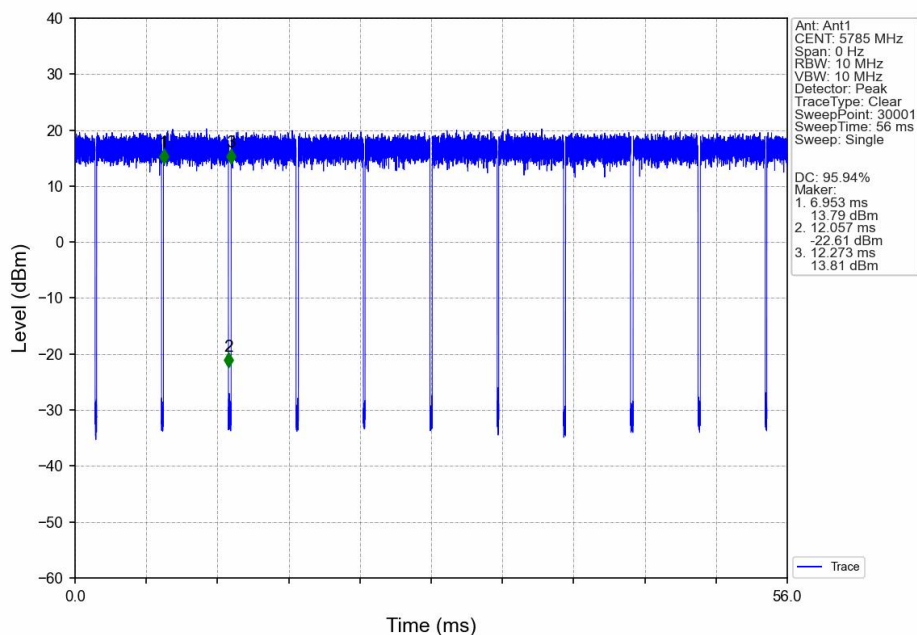
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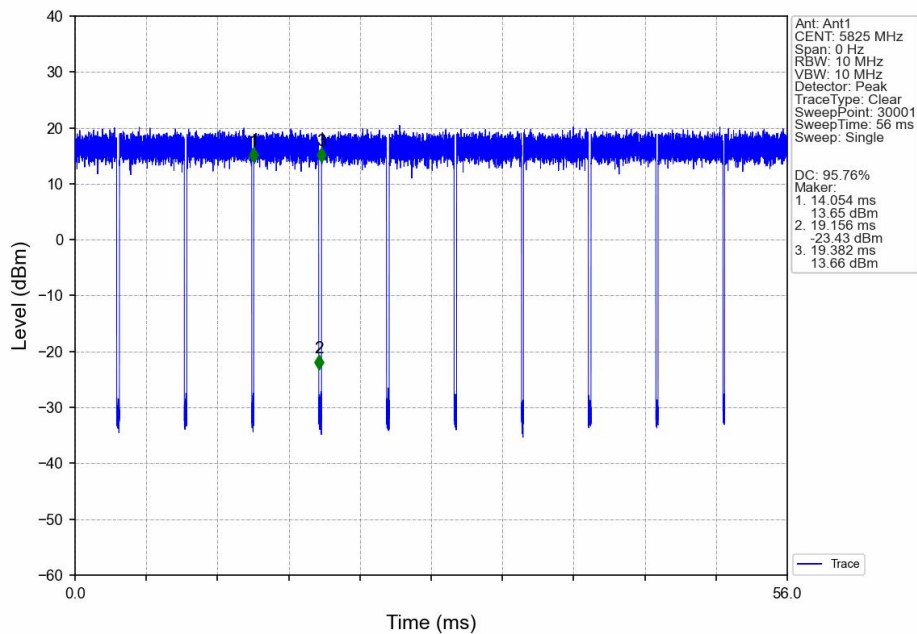
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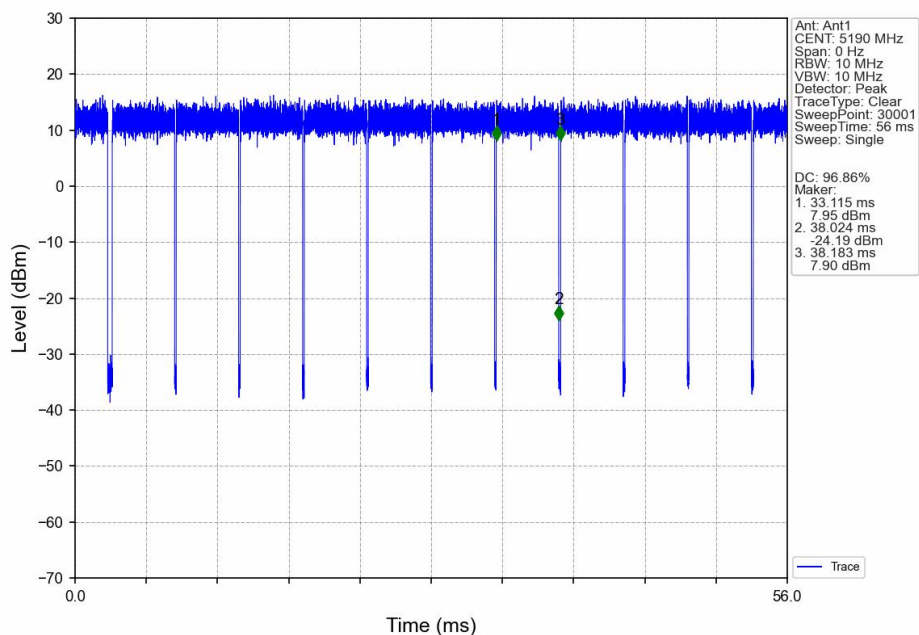
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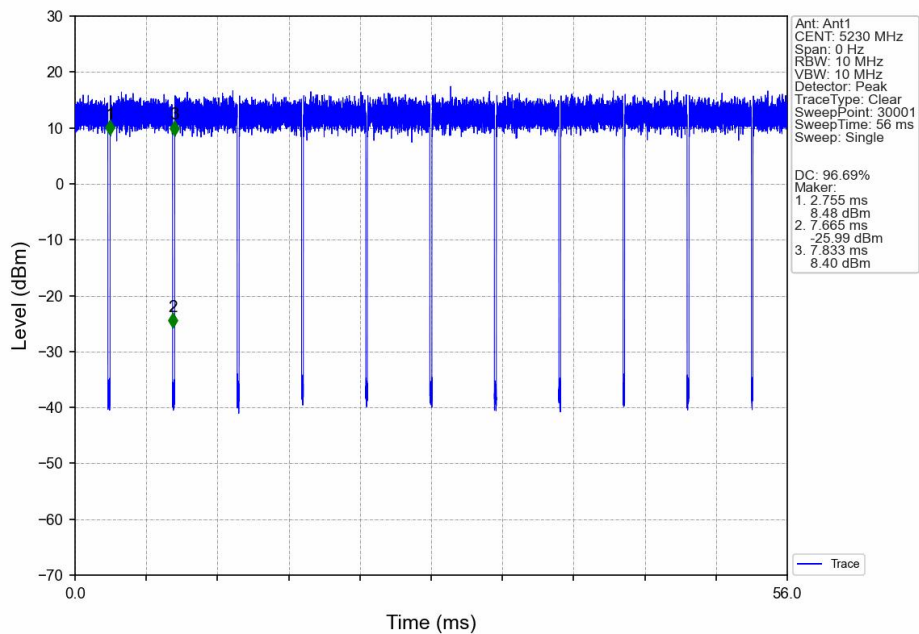
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



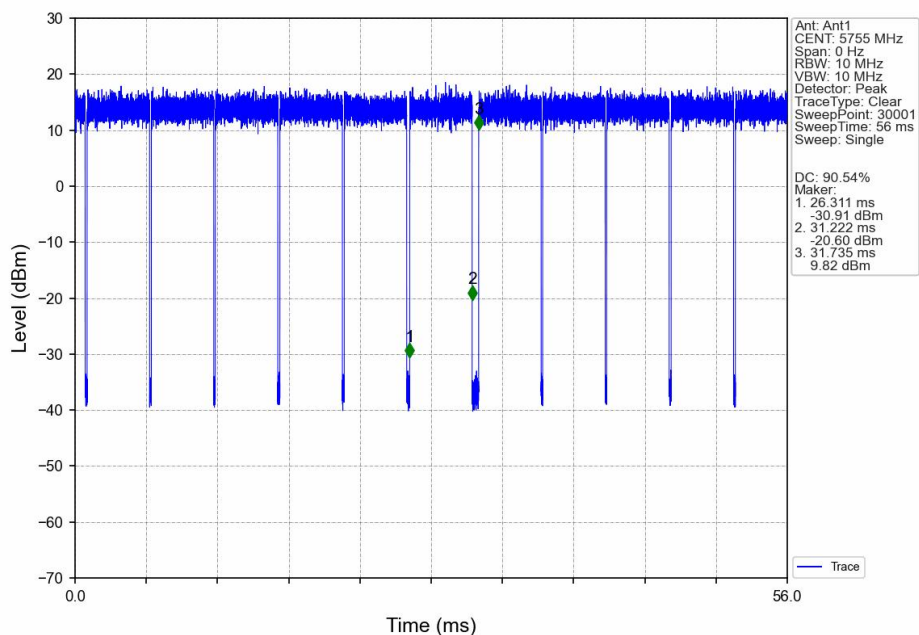
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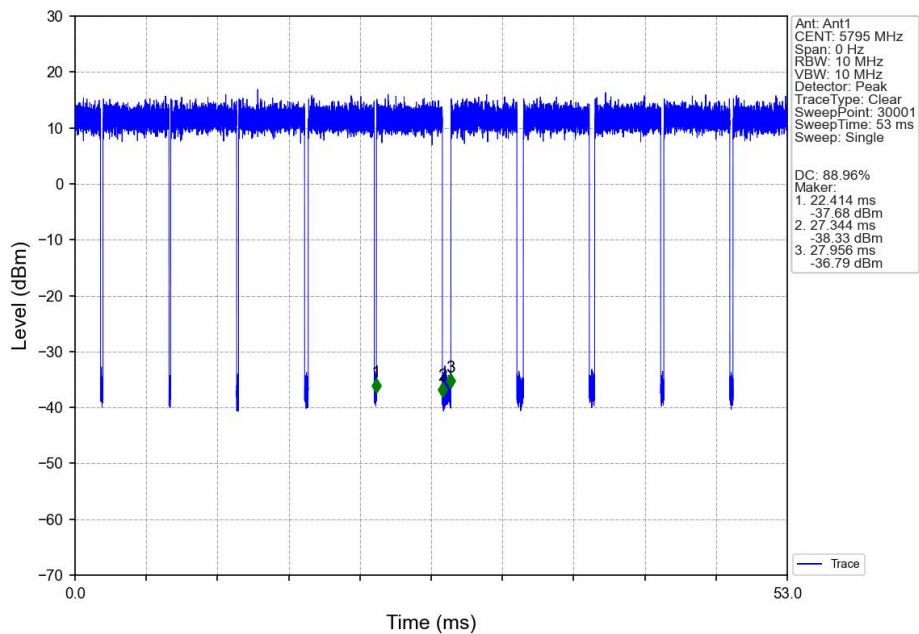
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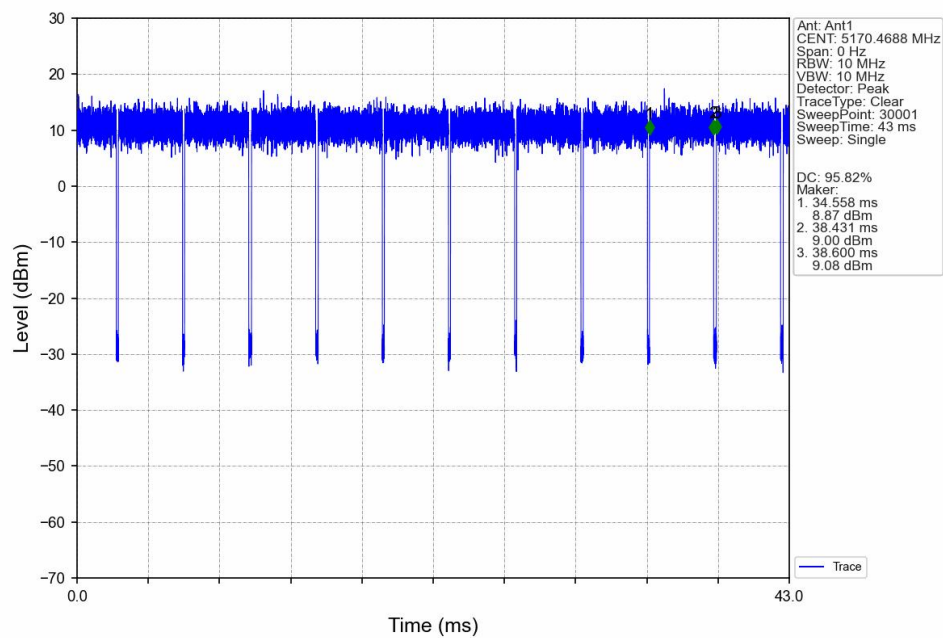
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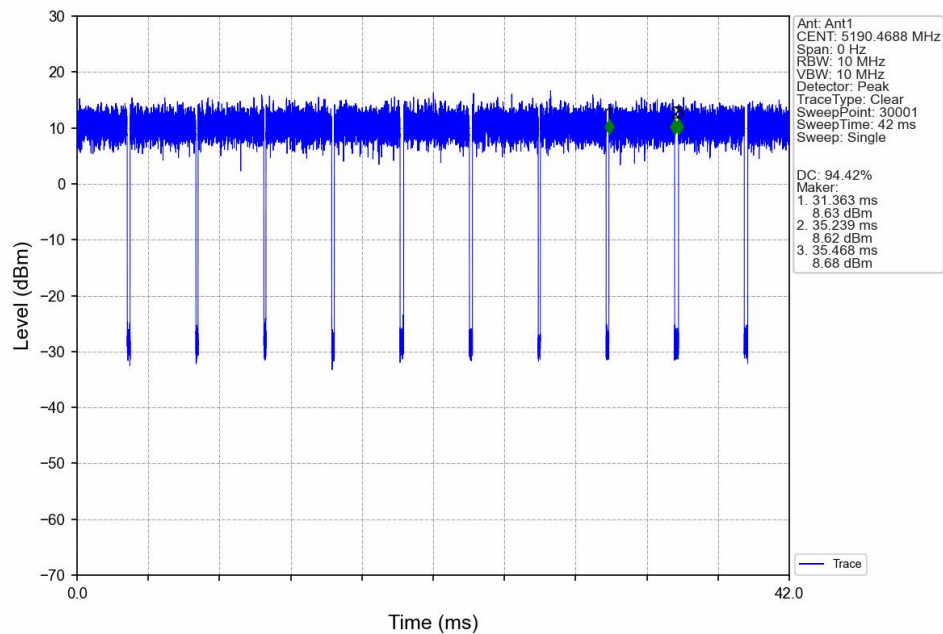
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



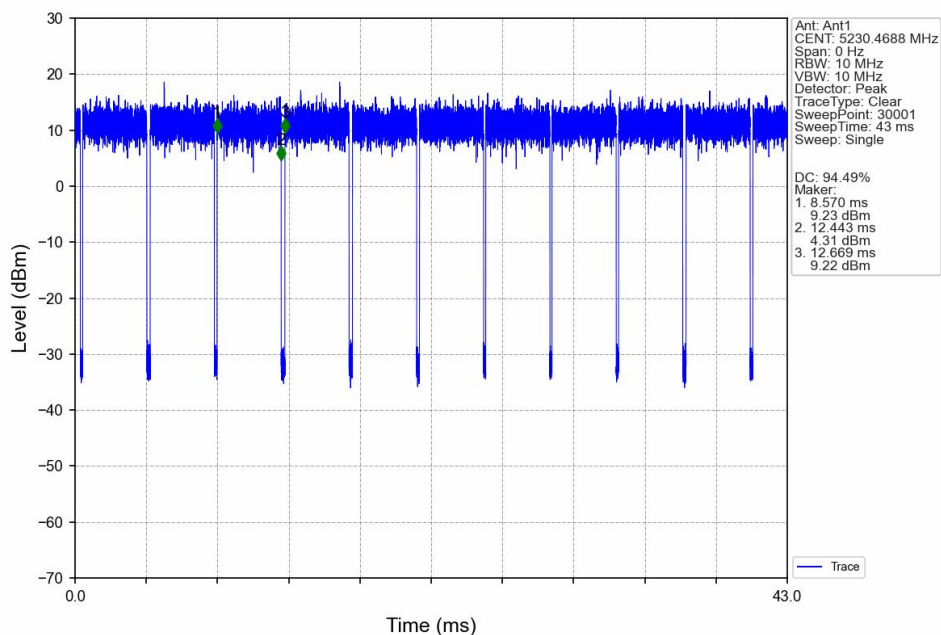
802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



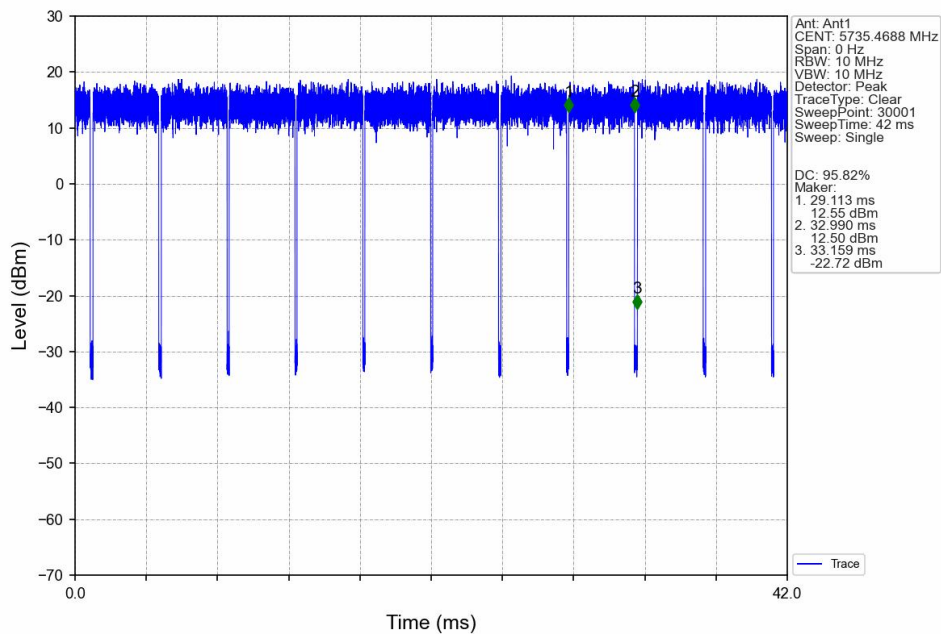
802.11ax(HEW20)_MCH_5200MHz_SU_ / Ant1_NTNV



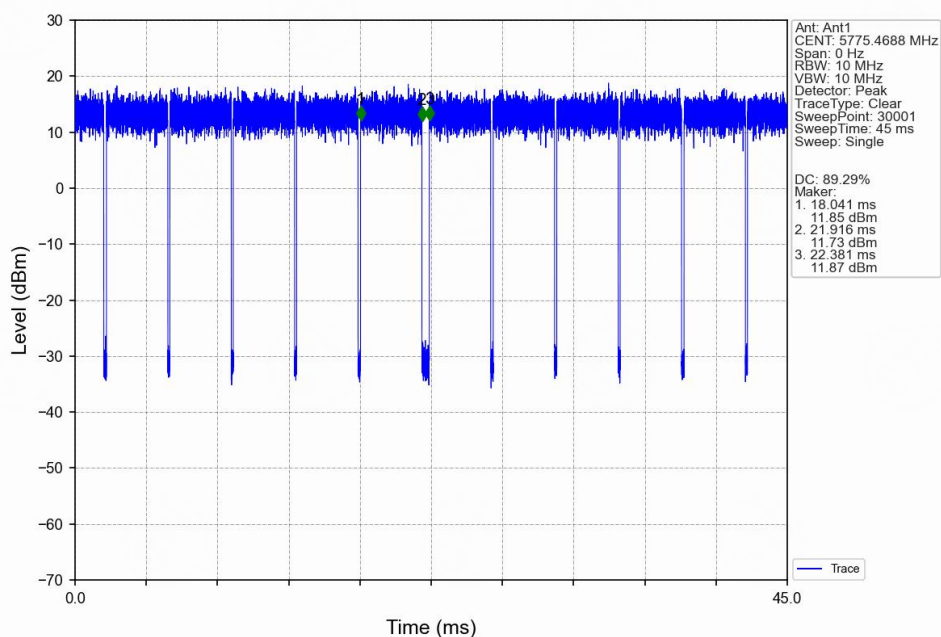
802.11ax(HEW20)_HCH_5240MHz_SU_/_Ant1_NTNV



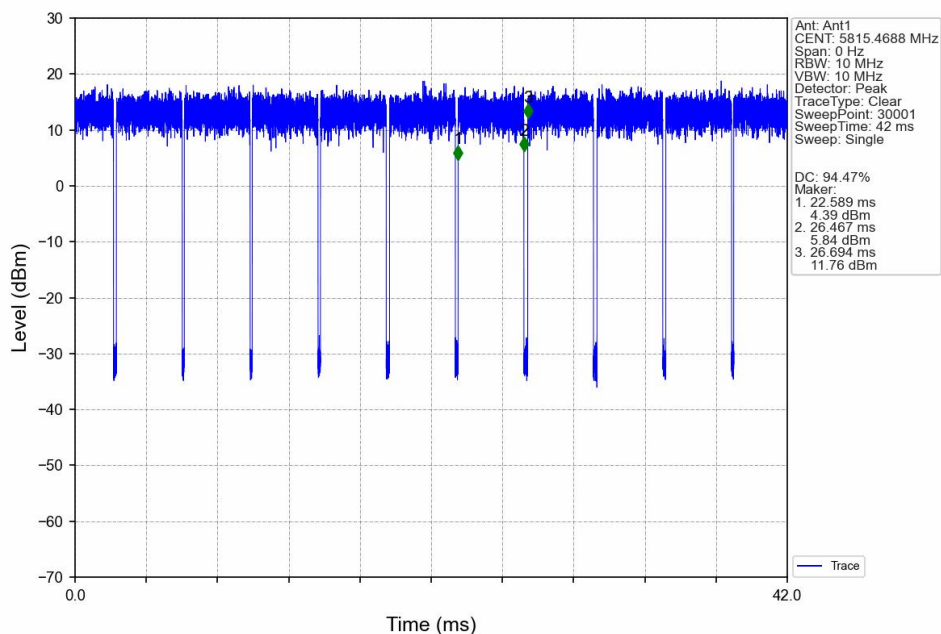
802.11ax(HEW20)_LCH_5745MHz_SU_/_Ant1_NTNV



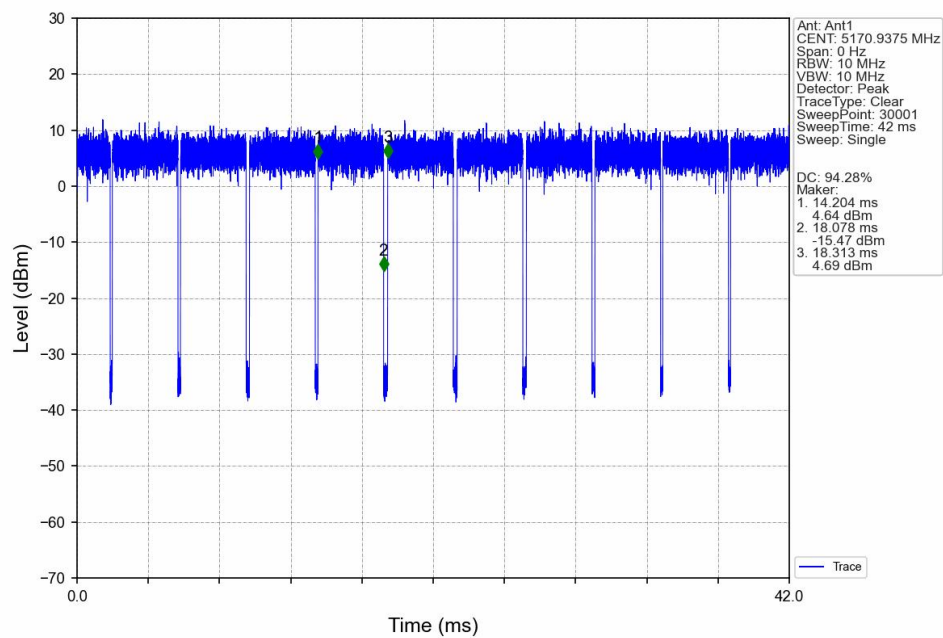
802.11ax(HEW20)_MCH_5785MHz_SU_/_Ant1_NTNV



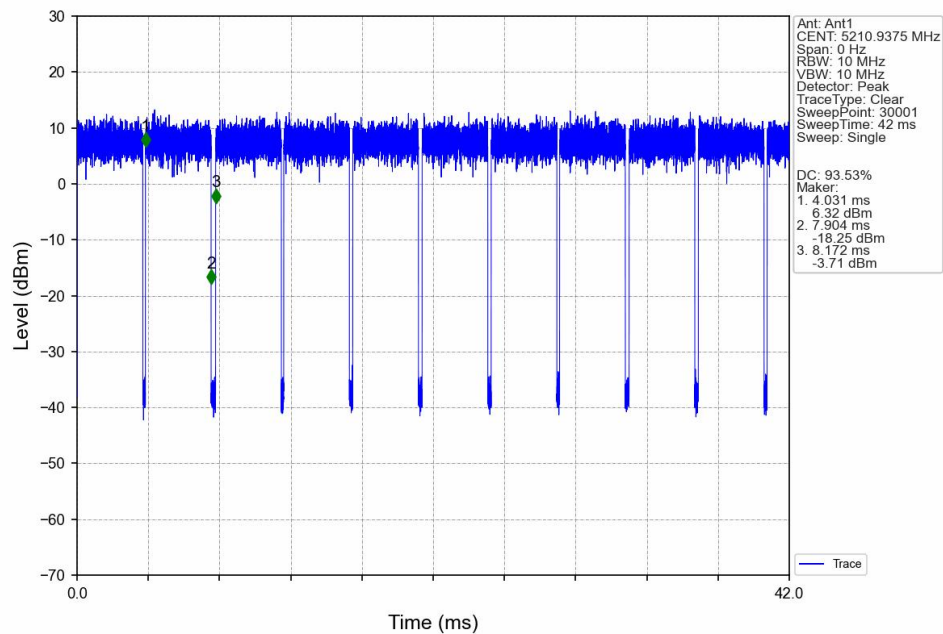
802.11ax(HEW20)_HCH_5825MHz_SU_/_Ant1_NTNV



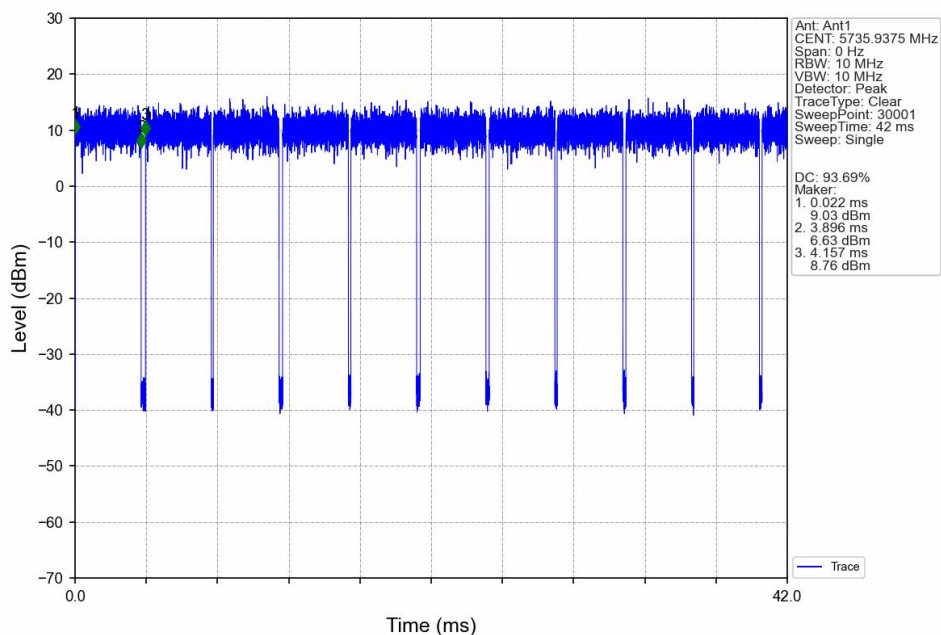
802.11ax(HEW40)_LCH_5190MHz_SU_/_Ant1_NTNV



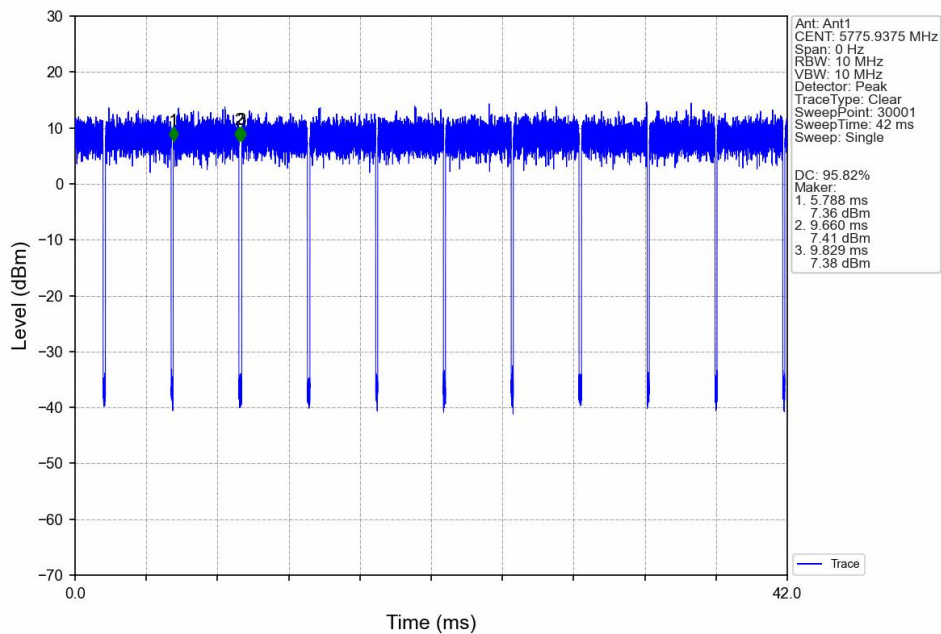
802.11ax(HEW40)_HCH_5230MHz_SU_/_Ant1_NTNV



802.11ax(HEW40)_LCH_5755MHz_SU_ / _Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_SU_ / _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	/	/	1	16.639	/	Pass
		5200	/	/	1	16.629	/	Pass
		5240	/	/	1	16.654	/	Pass
		5745	/	/	1	16.881	/	Pass
		5785	/	/	1	16.806	/	Pass
		5825	/	/	1	16.864	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	17.884	/	Pass
		5200	/	/	1	17.927	/	Pass
		5240	/	/	1	17.926	/	Pass
		5745	/	/	1	18.061	/	Pass
		5785	/	/	1	18.030	/	Pass
		5825	/	/	1	17.996	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	36.660	/	Pass
		5230	/	/	1	36.773	/	Pass
		5755	/	/	1	36.996	/	Pass
		5795	/	/	1	36.878	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	17.915	/	Pass
		5200	/	/	1	17.911	/	Pass
		5240	/	/	1	17.909	/	Pass
		5745	/	/	1	18.041	/	Pass
		5785	/	/	1	18.032	/	Pass
		5825	/	/	1	17.978	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	36.562	/	Pass
		5230	/	/	1	36.727	/	Pass
		5755	/	/	1	36.988	/	Pass
		5795	/	/	1	36.972	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	19.065	/	Pass
		5200	SU	/	1	19.163	/	Pass
		5240	SU	/	1	19.120	/	Pass
		5745	SU	/	1	19.194	/	Pass
		5785	SU	/	1	19.306	/	Pass
		5825	SU	/	1	19.259	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	38.054	/	Pass
		5230	SU	/	1	37.961	/	Pass
		5755	SU	/	1	38.265	/	Pass
		5795	SU	/	1	38.182	/	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	23.845	/	Pass
		5200	/	/	1	24.759	/	Pass
		5240	/	/	1	24.506	/	Pass

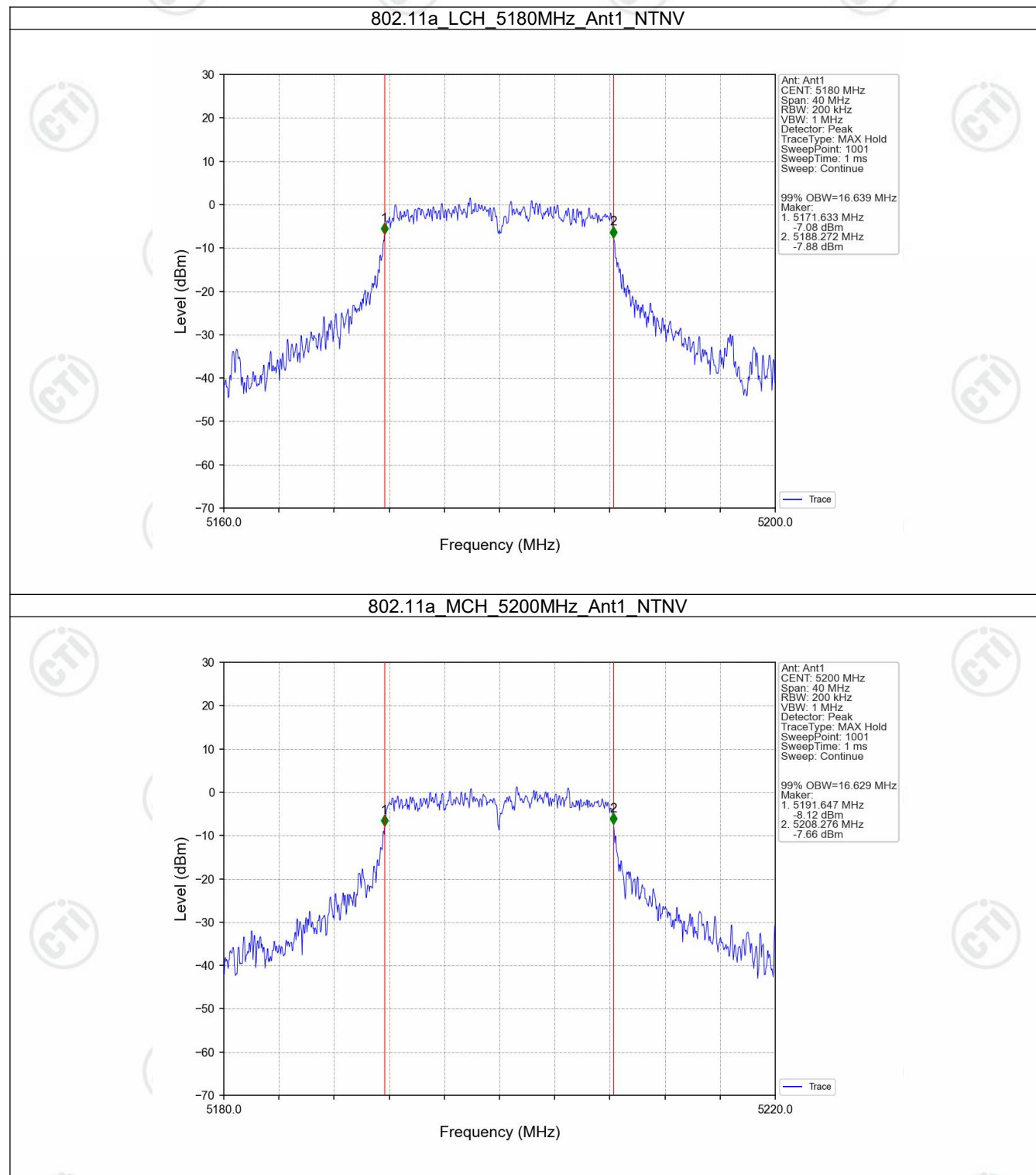
802.11n (HT20)	SISO	5180	/	/	1	26.818	/	Pass
		5200	/	/	1	26.686	/	Pass
		5240	/	/	1	27.435	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	46.138	/	Pass
		5230	/	/	1	66.425	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	27.063	/	Pass
		5200	/	/	1	27.179	/	Pass
		5240	/	/	1	28.022	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	45.829	/	Pass
		5230	/	/	1	46.164	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	26.472	/	Pass
		5200	SU	/	1	25.823	/	Pass
		5240	SU	/	1	25.784	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	43.443	/	Pass
		5230	SU	/	1	45.722	/	Pass

2.1.3 6dB BW

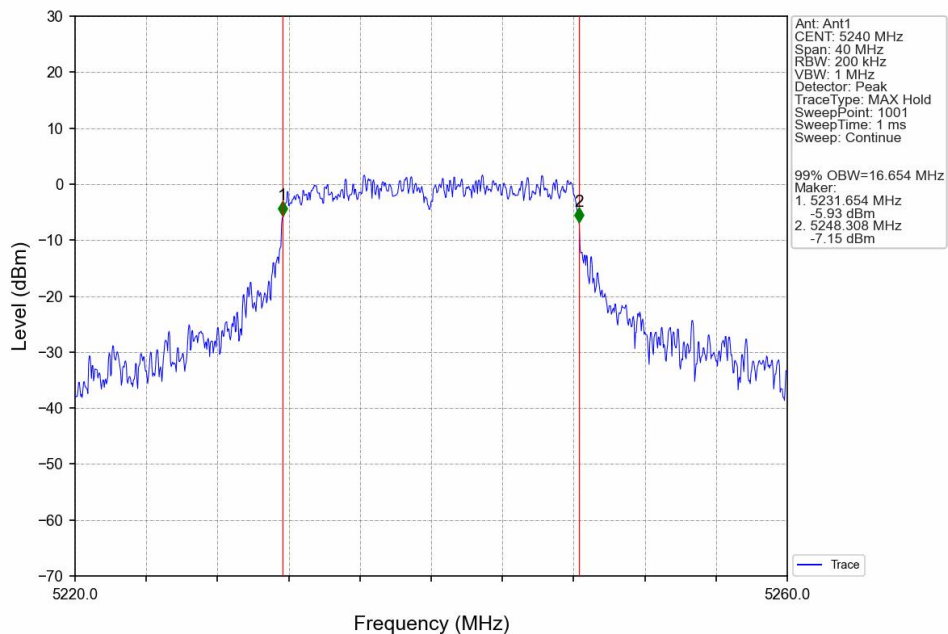
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	16.411	>=0.5	Pass
		5785	/	/	1	16.403	>=0.5	Pass
		5825	/	/	1	16.383	>=0.5	Pass
802.11n (HT20)	SISO	5745	/	/	1	17.641	>=0.5	Pass
		5785	/	/	1	17.639	>=0.5	Pass
		5825	/	/	1	17.650	>=0.5	Pass
802.11n (HT40)	SISO	5755	/	/	1	36.557	>=0.5	Pass
		5795	/	/	1	36.403	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	17.668	>=0.5	Pass
		5785	/	/	1	17.656	>=0.5	Pass
		5825	/	/	1	17.647	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	36.398	>=0.5	Pass
		5795	/	/	1	36.420	>=0.5	Pass
802.11ax (HEW20)	SISO	5745	SU	/	1	18.800	>=0.5	Pass
		5785	SU	/	1	18.976	>=0.5	Pass
		5825	SU	/	1	18.950	>=0.5	Pass
802.11ax (HEW40)	SISO	5755	SU	/	1	38.078	>=0.5	Pass
		5795	SU	/	1	37.951	>=0.5	Pass

2.2 Test Graph

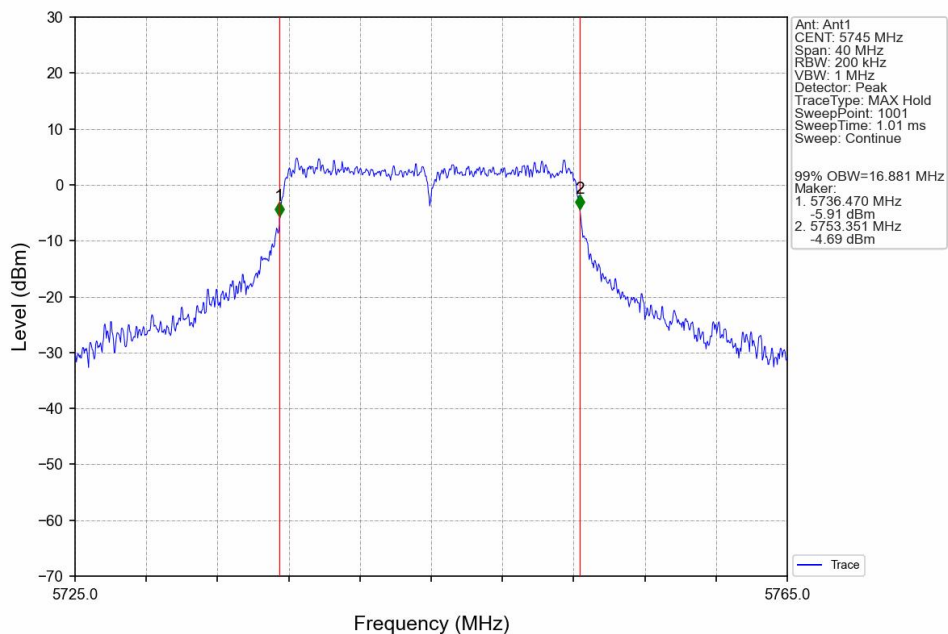
2.2.1 OBW



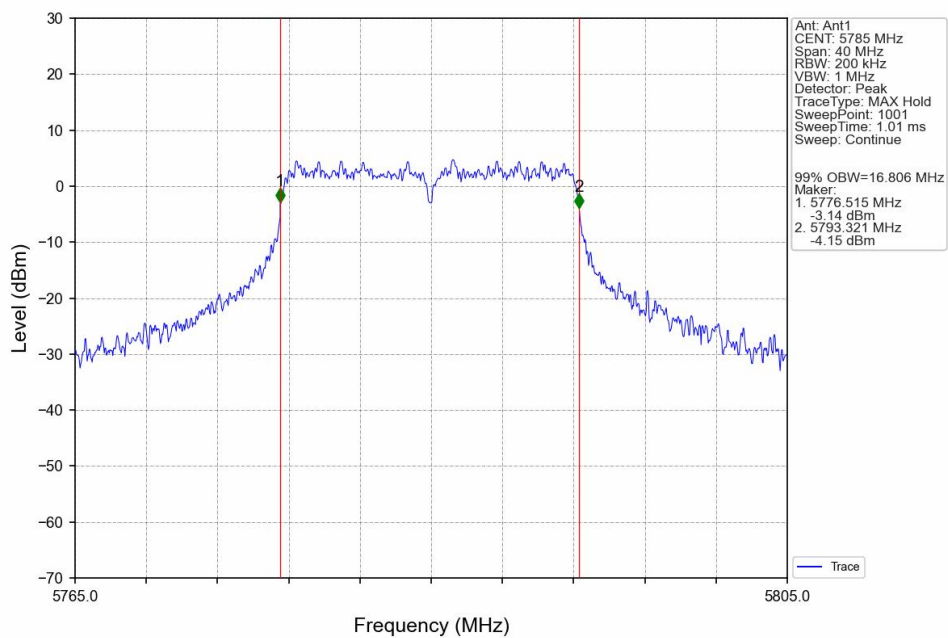
802.11a_HCH_5240MHz_Ant1_NTNV



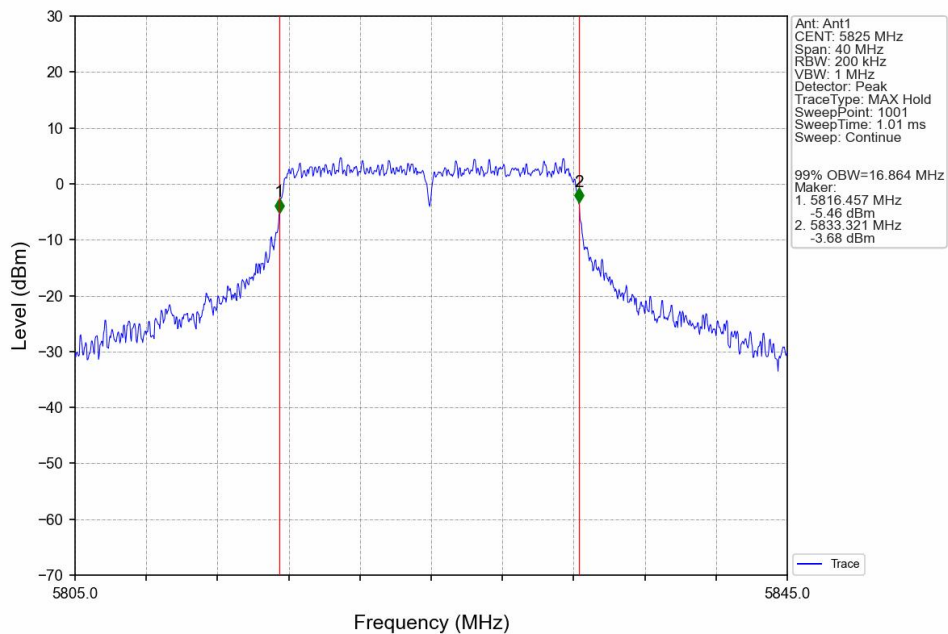
802.11a_LCH_5745MHz_Ant1_NTNV



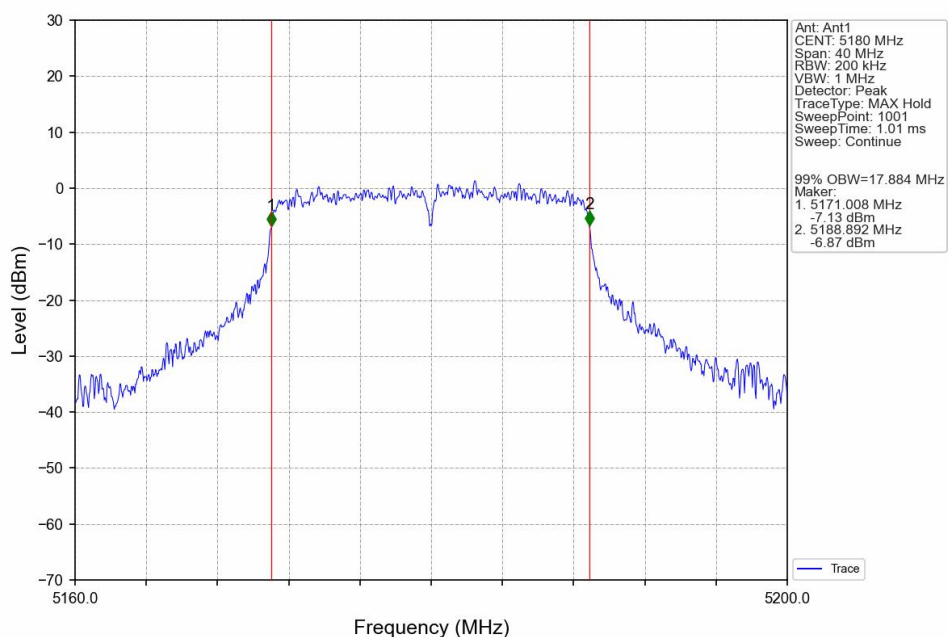
802.11a_MCH_5785MHz_Ant1_NTNV



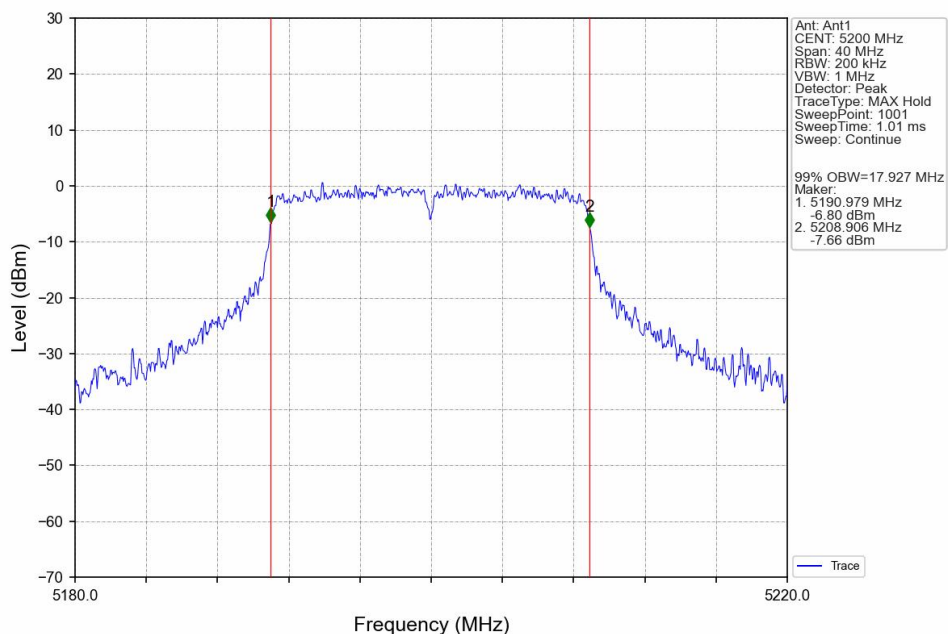
802.11a_HCH_5825MHz_Ant1_NTNV



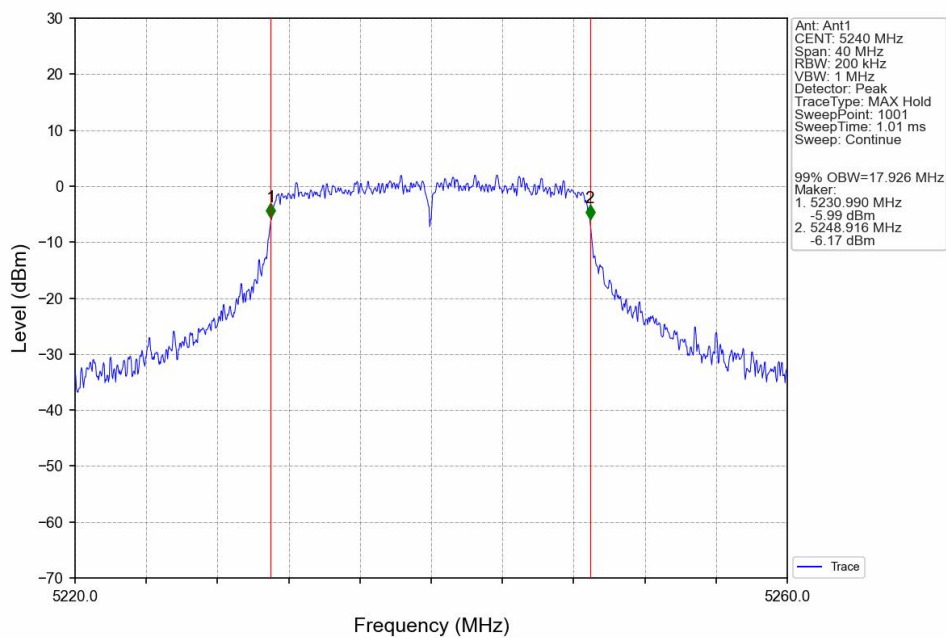
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



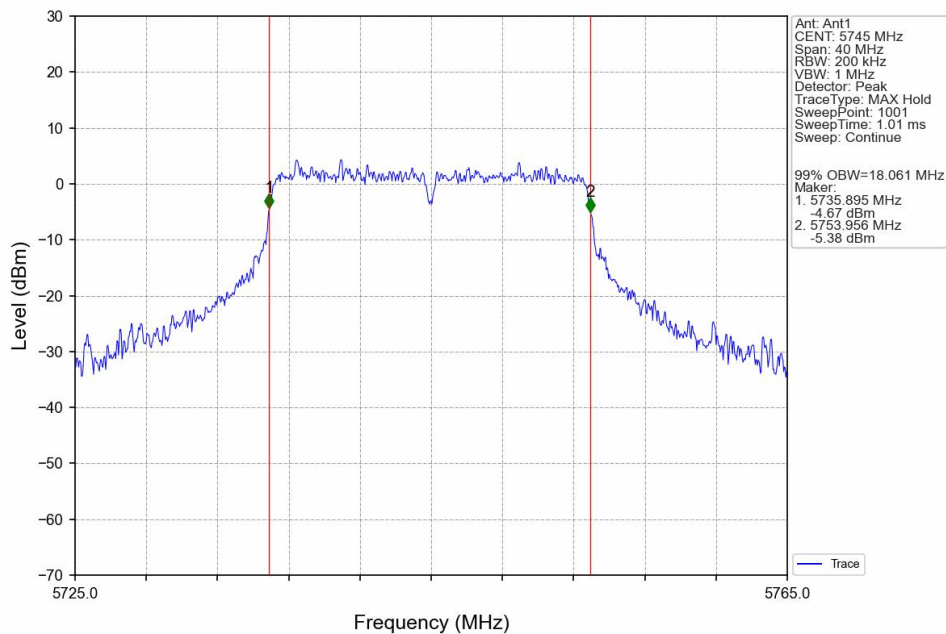
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



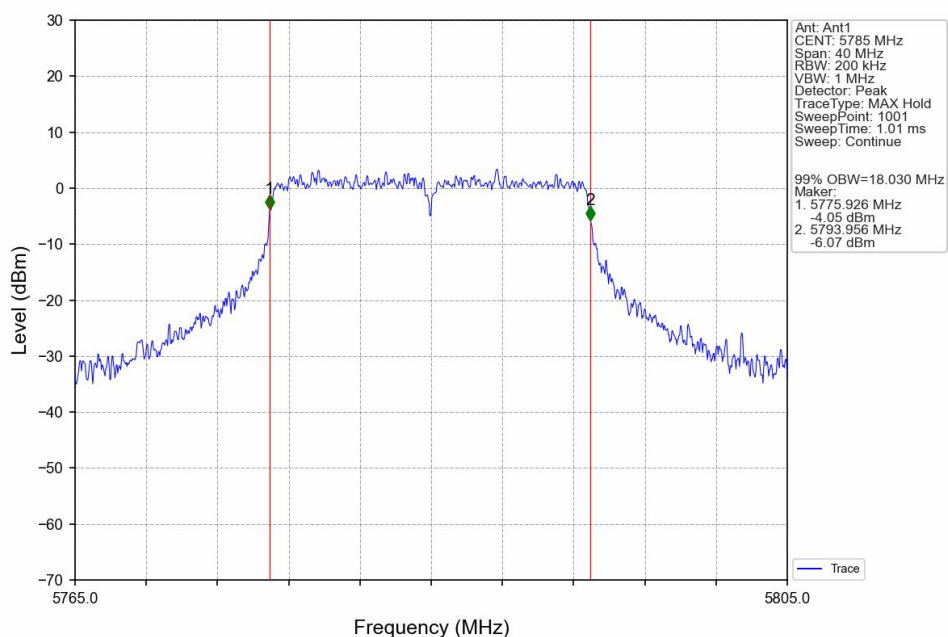
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



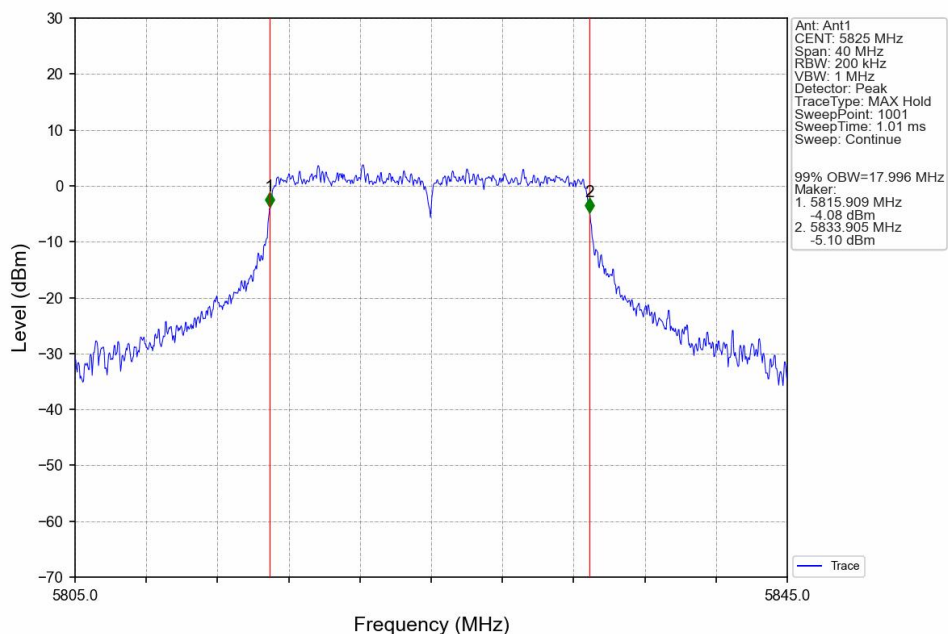
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



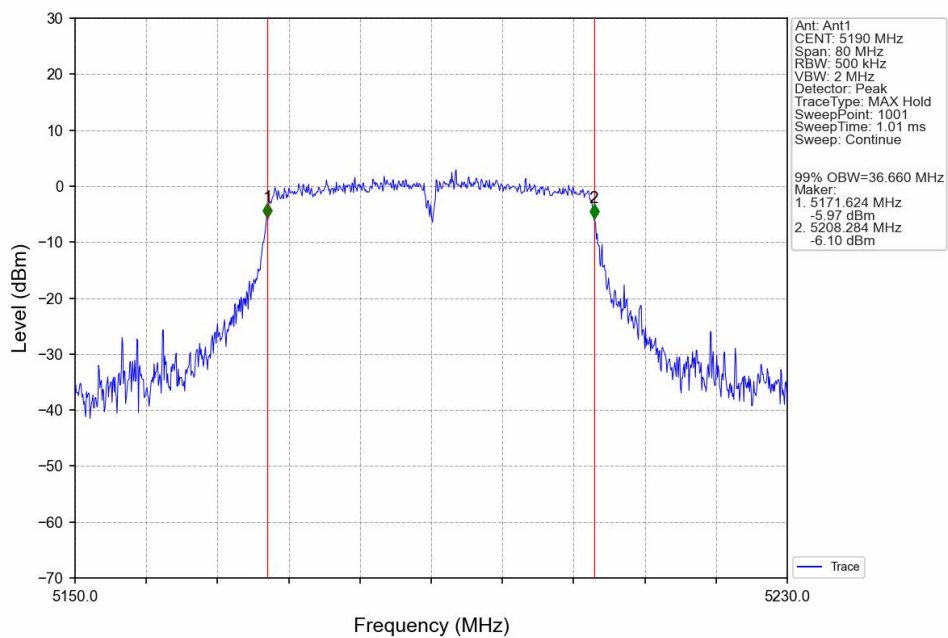
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

