

Appendix 5G Wi-Fi Band1,4

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1. Duty Cycle

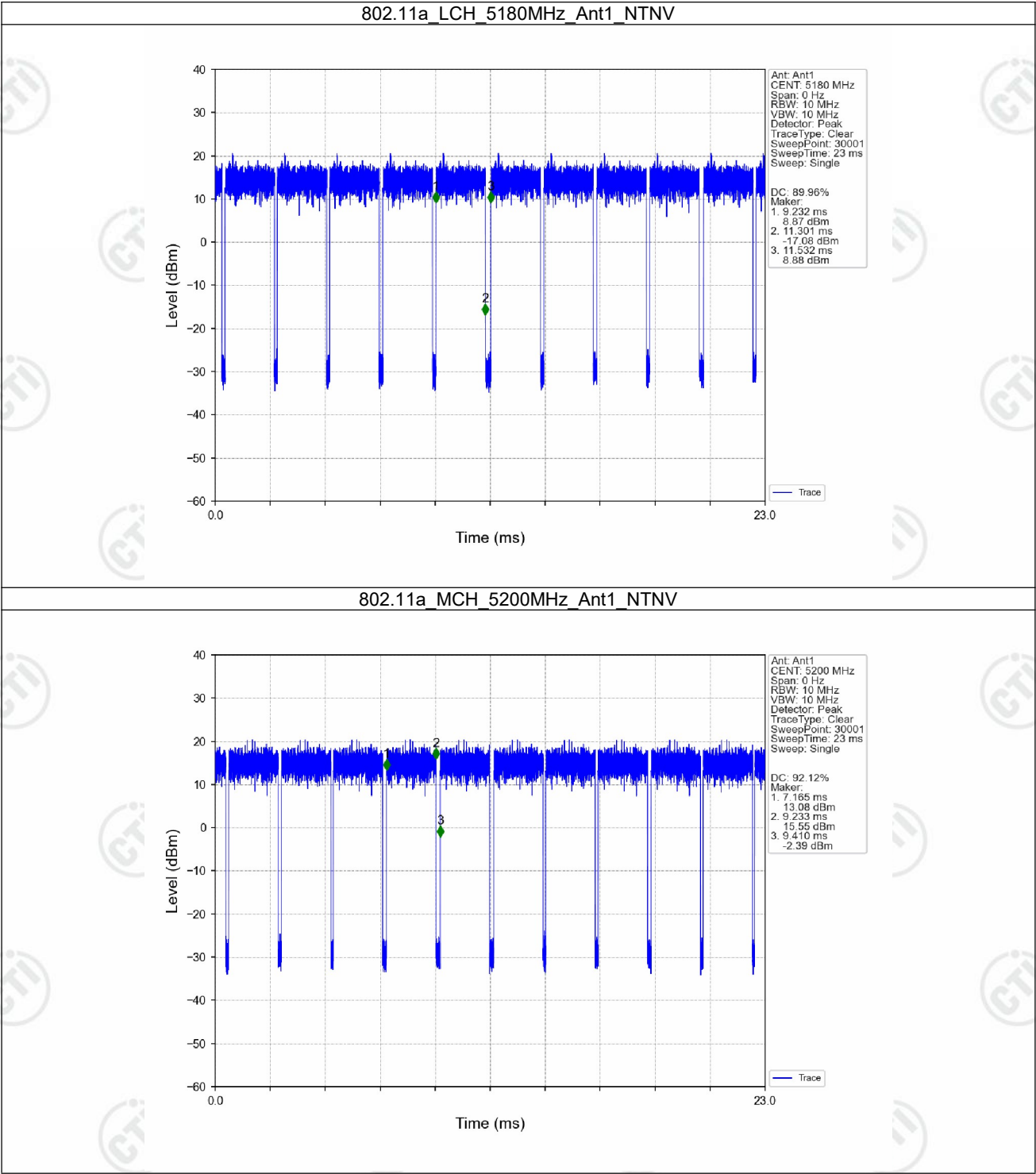
1.1 Test Result

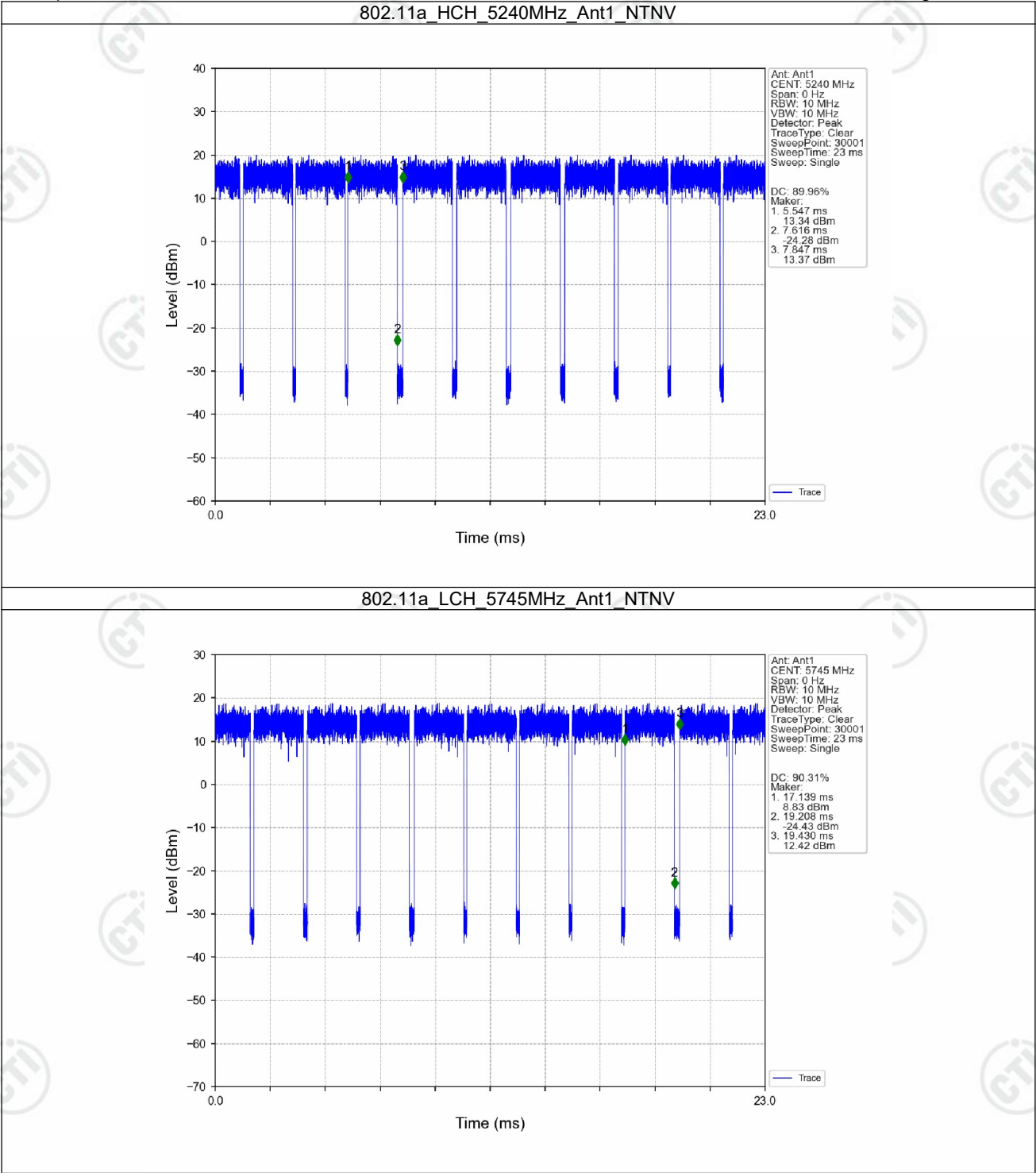
1.1.1 Ant1

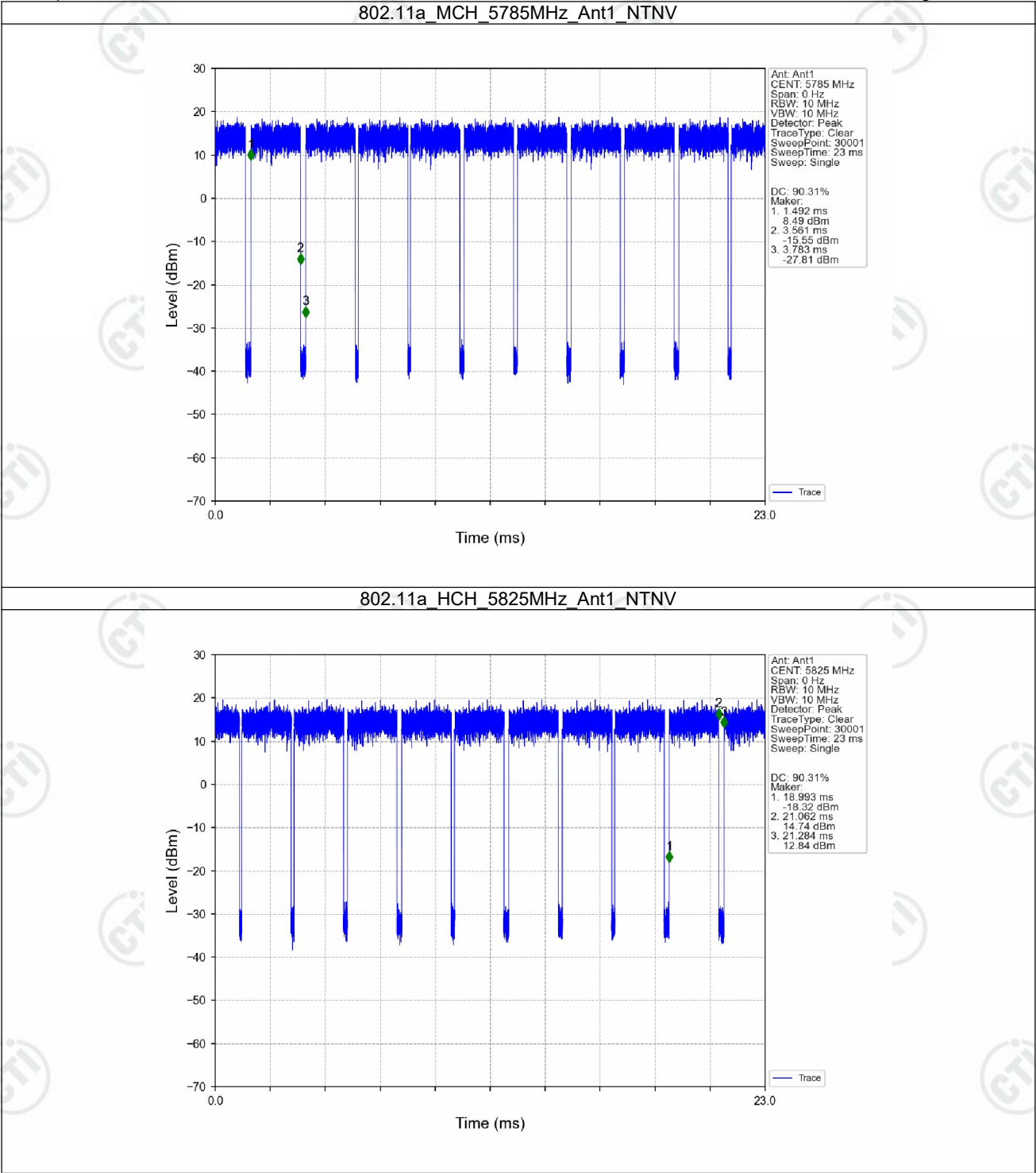
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	2.069	2.300	89.96	0.46	4.84
		5200	2.068	2.245	92.12	0.36	3.46
		5240	2.069	2.300	89.96	0.46	5.20
		5745	2.069	2.291	90.31	0.44	3.75
		5785	2.069	2.291	90.31	0.44	4.48
		5825	2.069	2.291	90.31	0.44	4.07
802.11n (HT20)	SISO	5180	1.921	2.151	89.31	0.49	5.52
		5200	1.920	2.151	89.26	0.49	5.98
		5240	1.920	2.114	90.82	0.42	4.45
		5745	1.920	2.151	89.26	0.49	5.98
		5785	1.920	2.151	89.26	0.49	5.56
		5825	1.920	2.106	91.17	0.40	4.12
802.11ac (VHT20)	SISO	5180	2.069	2.515	82.27	0.85	3.06
		5200	2.068	2.560	80.78	0.93	4.20
		5240	2.069	2.560	80.82	0.92	2.94
		5745	2.069	2.560	80.82	0.92	4.50
		5785	2.069	2.561	80.79	0.93	4.20
		5825	2.069	2.551	81.11	0.91	3.60

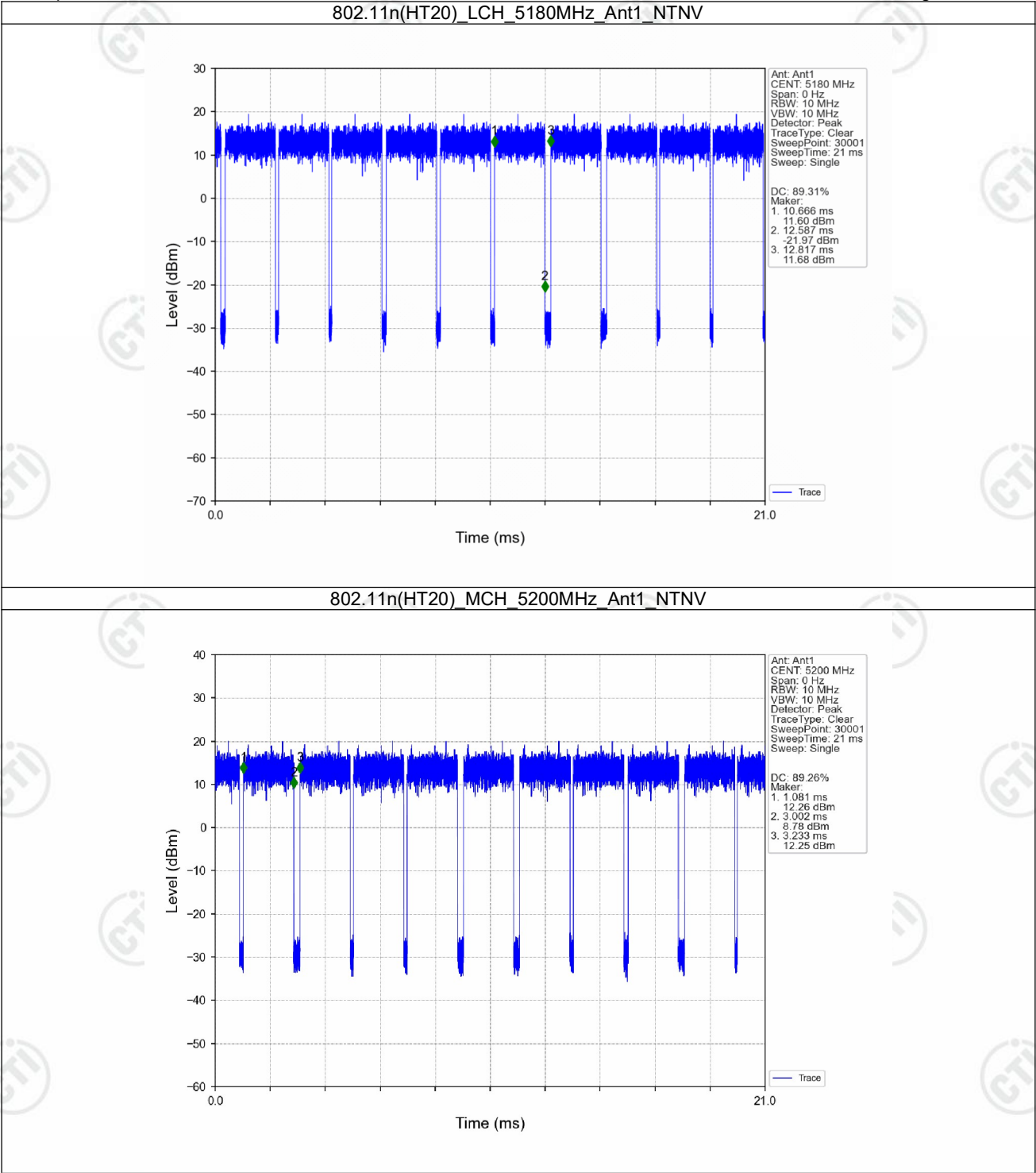
1.2 Test Graph

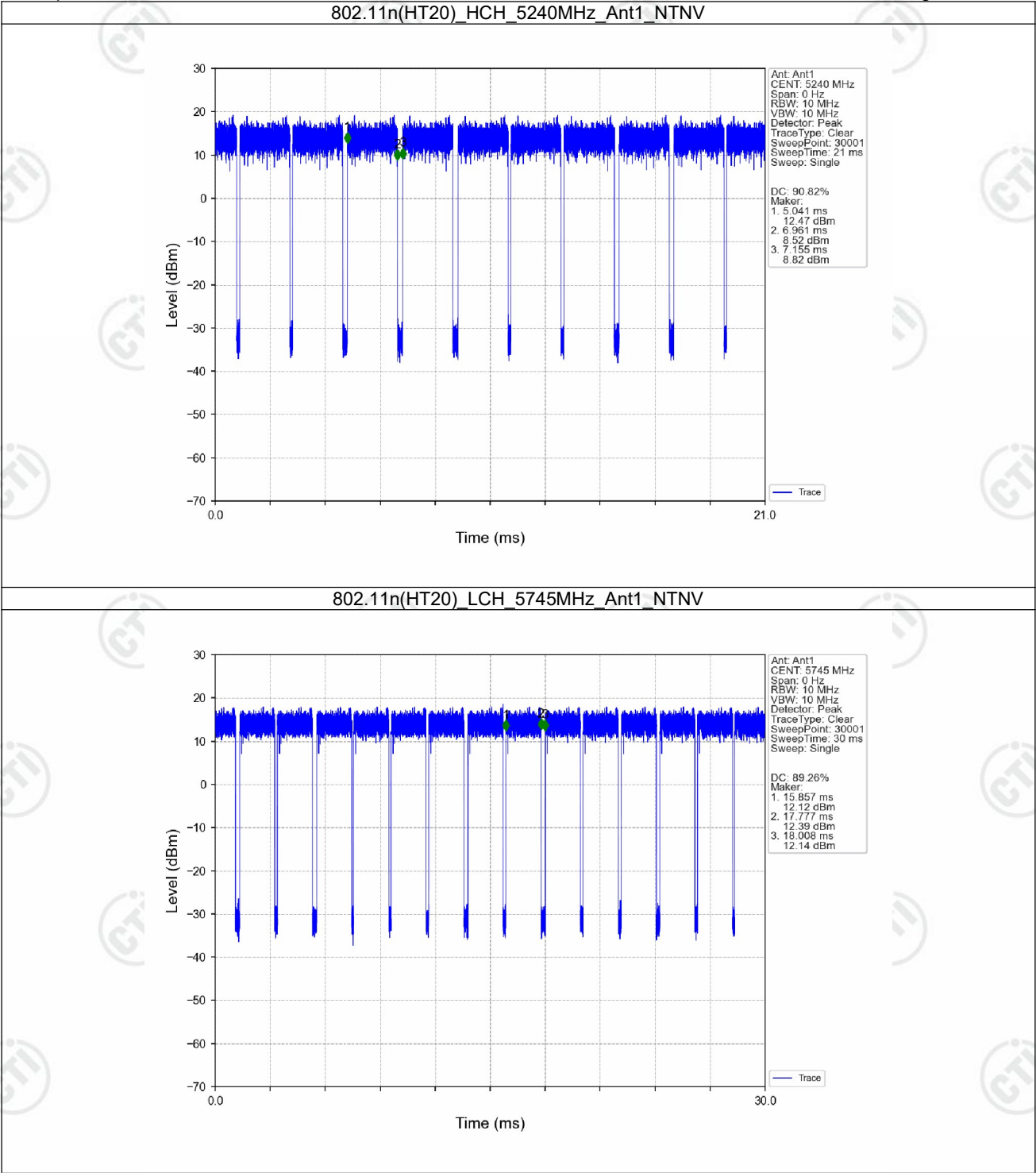
1.2.1 Ant1

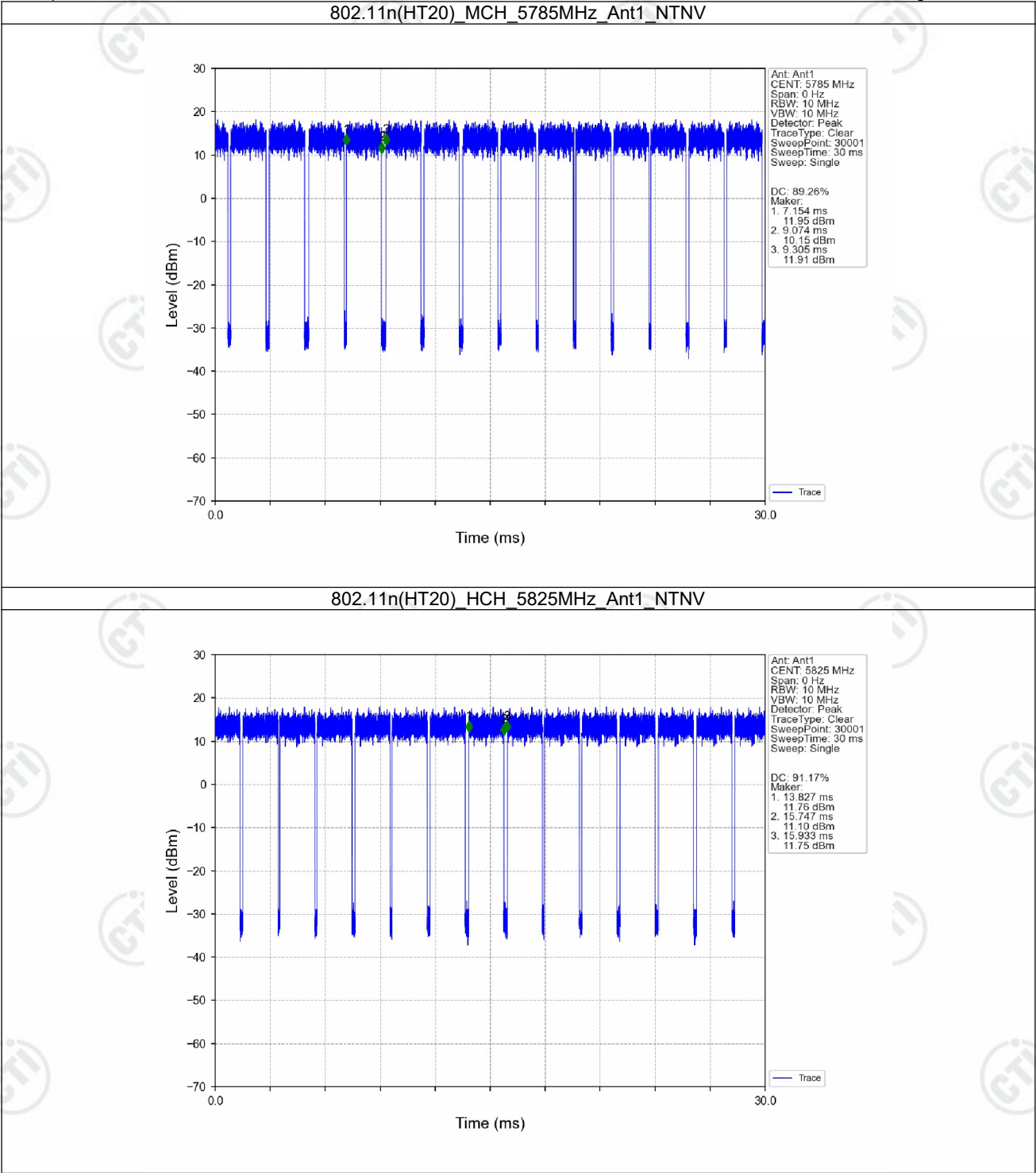


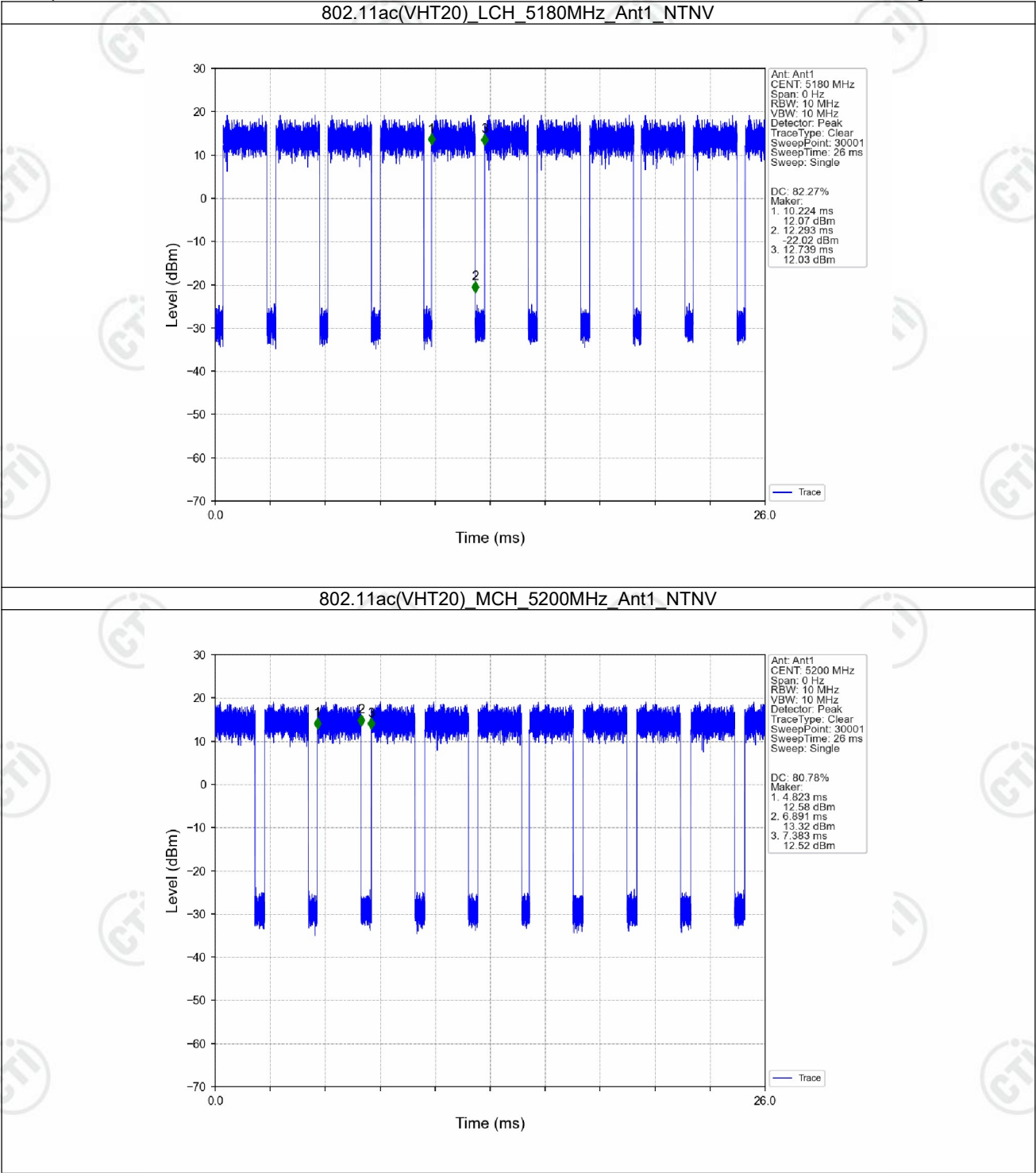




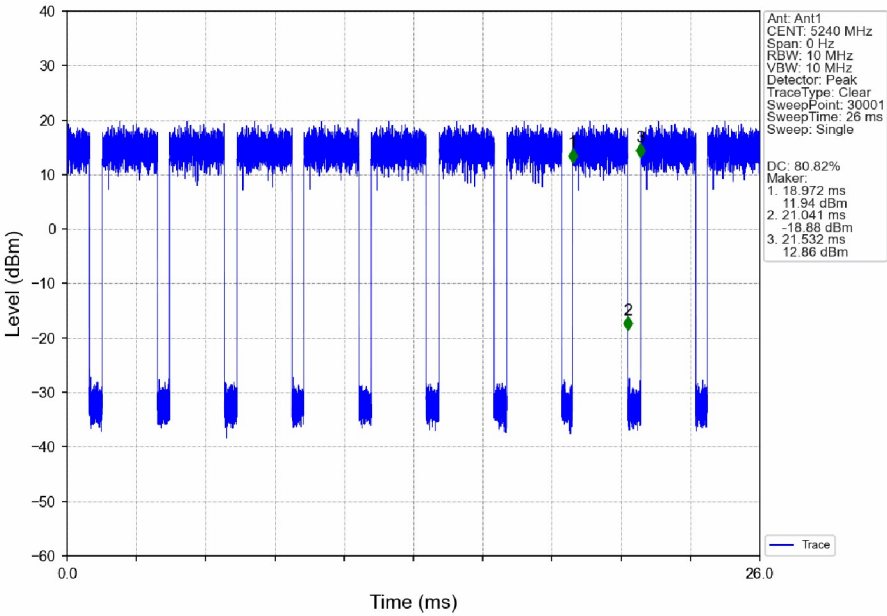




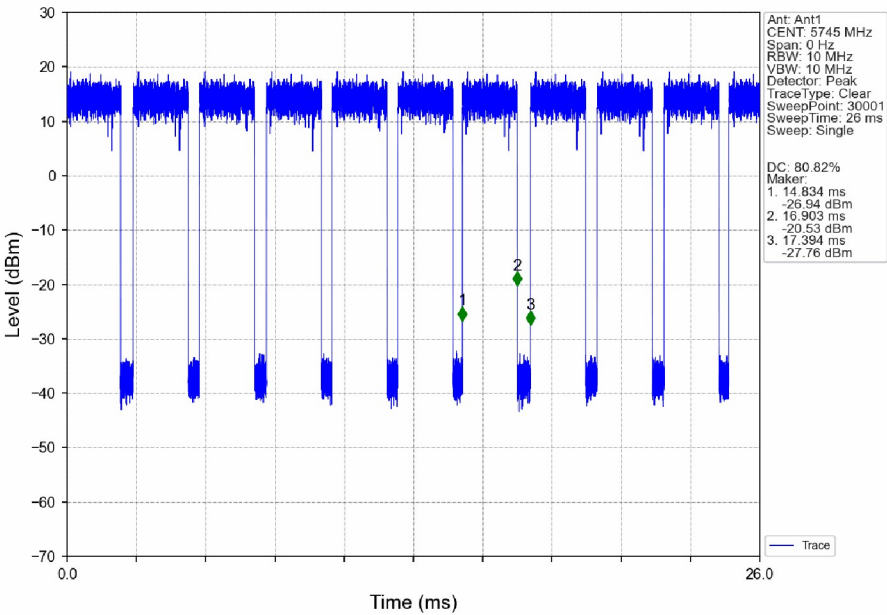


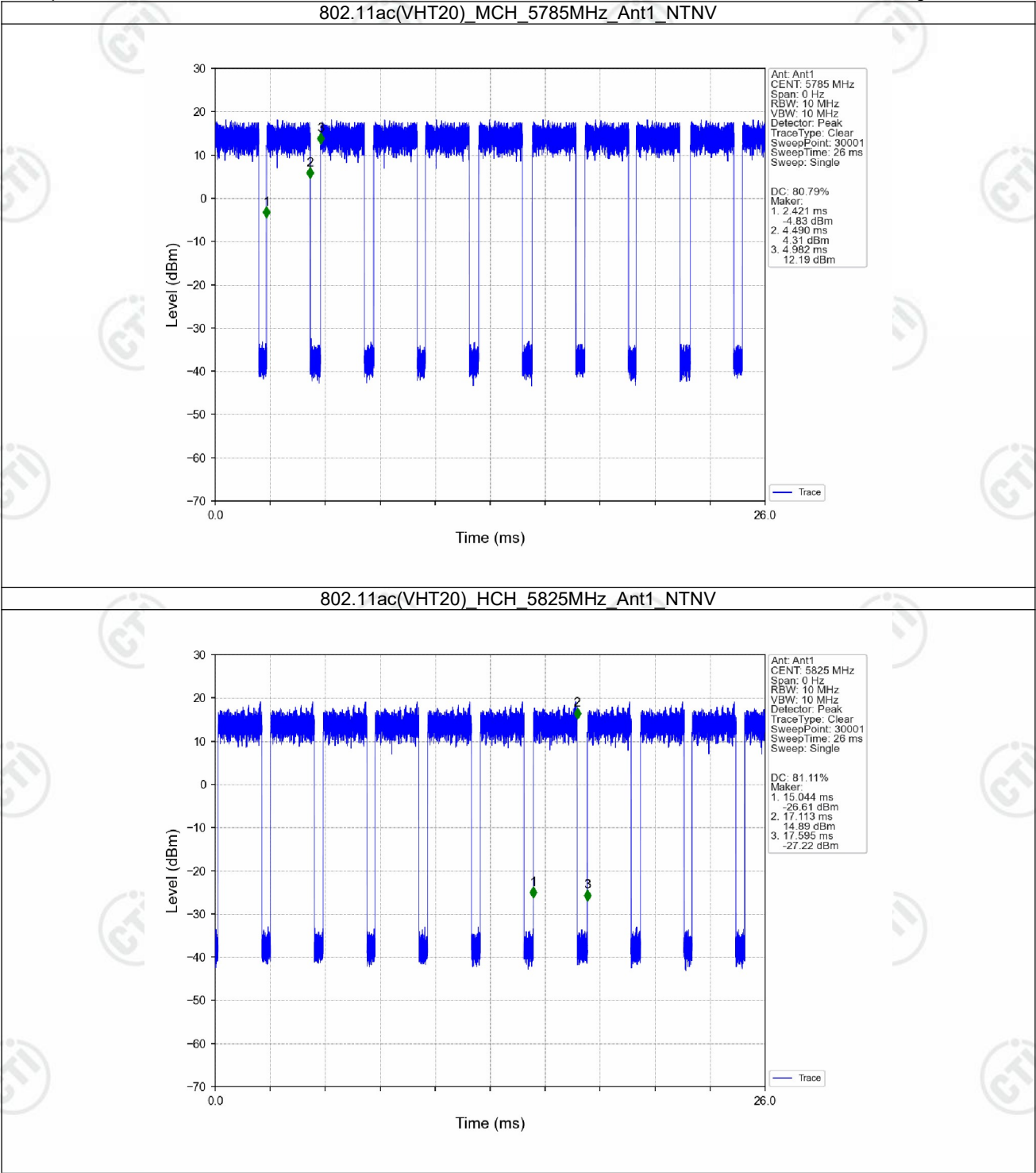


802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV





2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	16.447	/	Pass
		5200	1	16.493	/	Pass
		5240	1	16.496	/	Pass
		5745	1	16.497	/	Pass
		5785	1	16.502	/	Pass
		5825	1	16.465	/	Pass
802.11n (HT20)	SISO	5180	1	17.625	/	Pass
		5200	1	17.623	/	Pass
		5240	1	17.661	/	Pass
		5745	1	17.603	/	Pass
		5785	1	17.616	/	Pass
		5825	1	17.630	/	Pass
802.11ac (VHT20)	SISO	5180	1	16.458	/	Pass
		5200	1	16.473	/	Pass
		5240	1	16.485	/	Pass
		5745	1	16.587	/	Pass
		5785	1	16.505	/	Pass
		5825	1	16.486	/	Pass

2.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	20.740	/	Pass
		5200	1	20.777	/	Pass
		5240	1	20.951	/	Pass
802.11n (HT20)	SISO	5180	1	21.446	/	Pass
		5200	1	21.621	/	Pass
		5240	1	21.873	/	Pass
802.11ac (VHT20)	SISO	5180	1	20.877	/	Pass
		5200	1	20.964	/	Pass
		5240	1	21.258	/	Pass

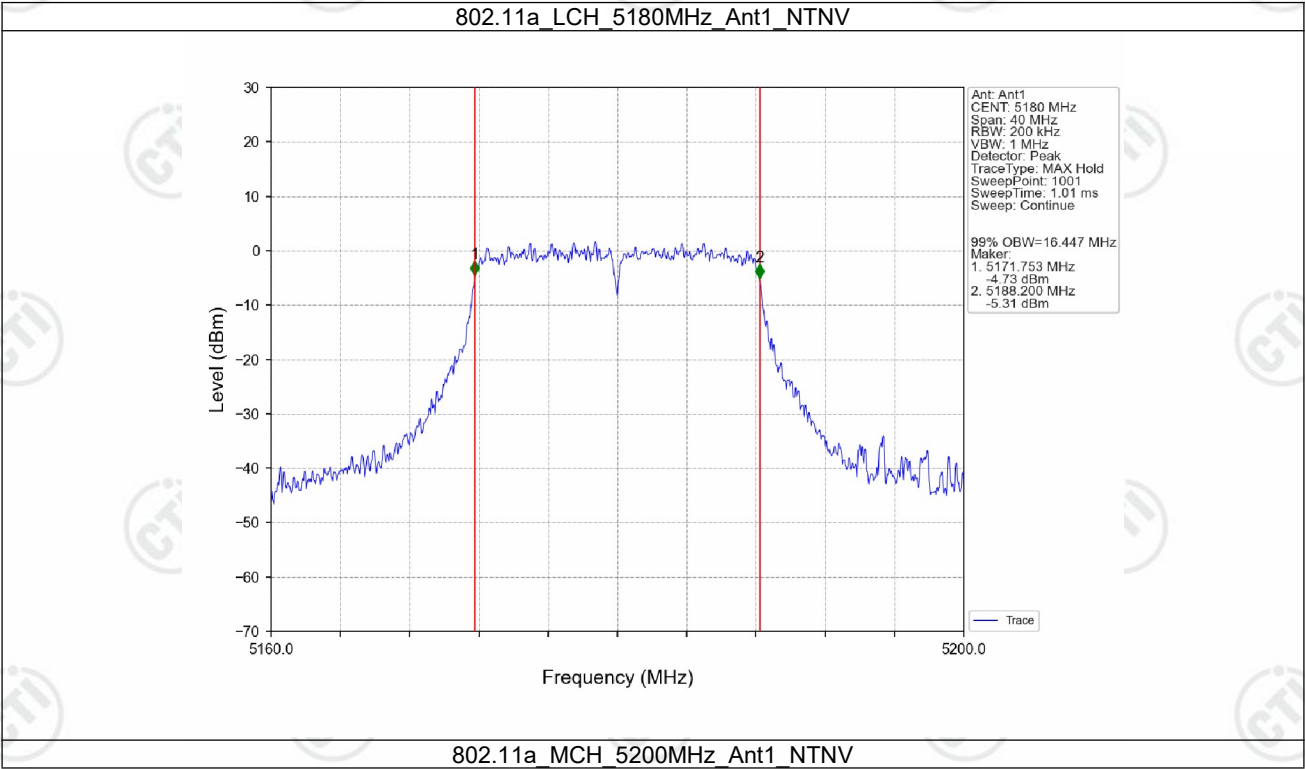
2.1.3 6dB BW

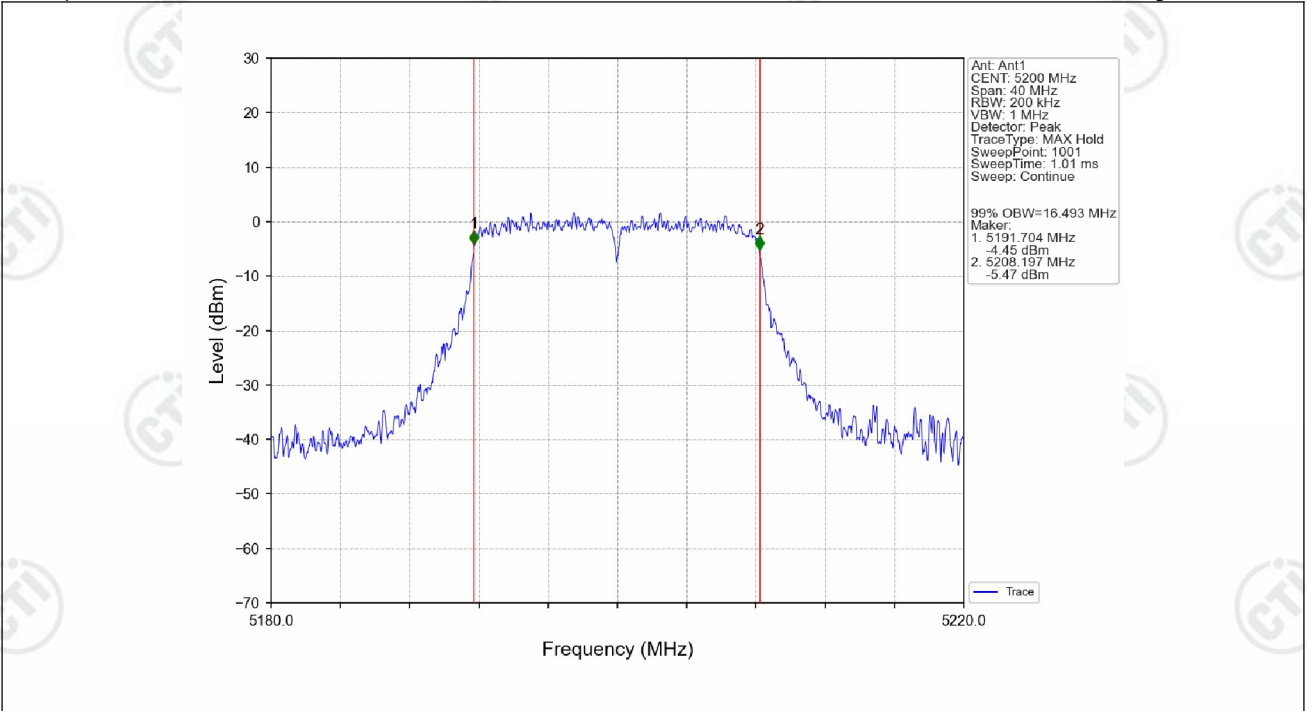
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.322	≥ 0.5	Pass
		5785	1	16.341	≥ 0.5	Pass
		5825	1	16.354	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	1	16.750	≥ 0.5	Pass
		5785	1	17.072	≥ 0.5	Pass
		5825	1	16.728	≥ 0.5	Pass
802.11ac (VHT20)	SISO	5745	1	16.323	≥ 0.5	Pass
		5785	1	16.341	≥ 0.5	Pass

		5825	1	16.374	>=0.5	Pass
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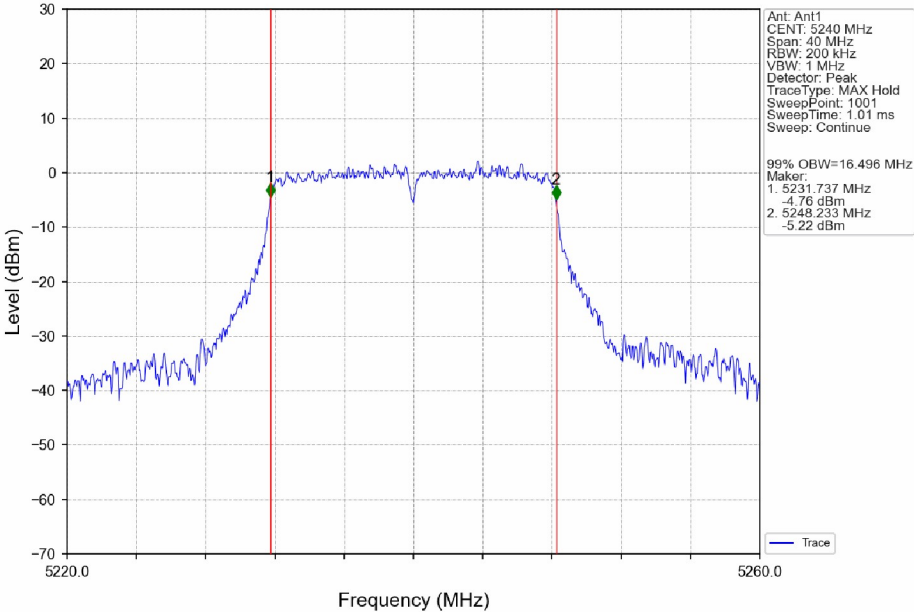
2.2 Test Graph

2.2.1 OBW





802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_LCH_5745MHz_Ant1_NTNV

