

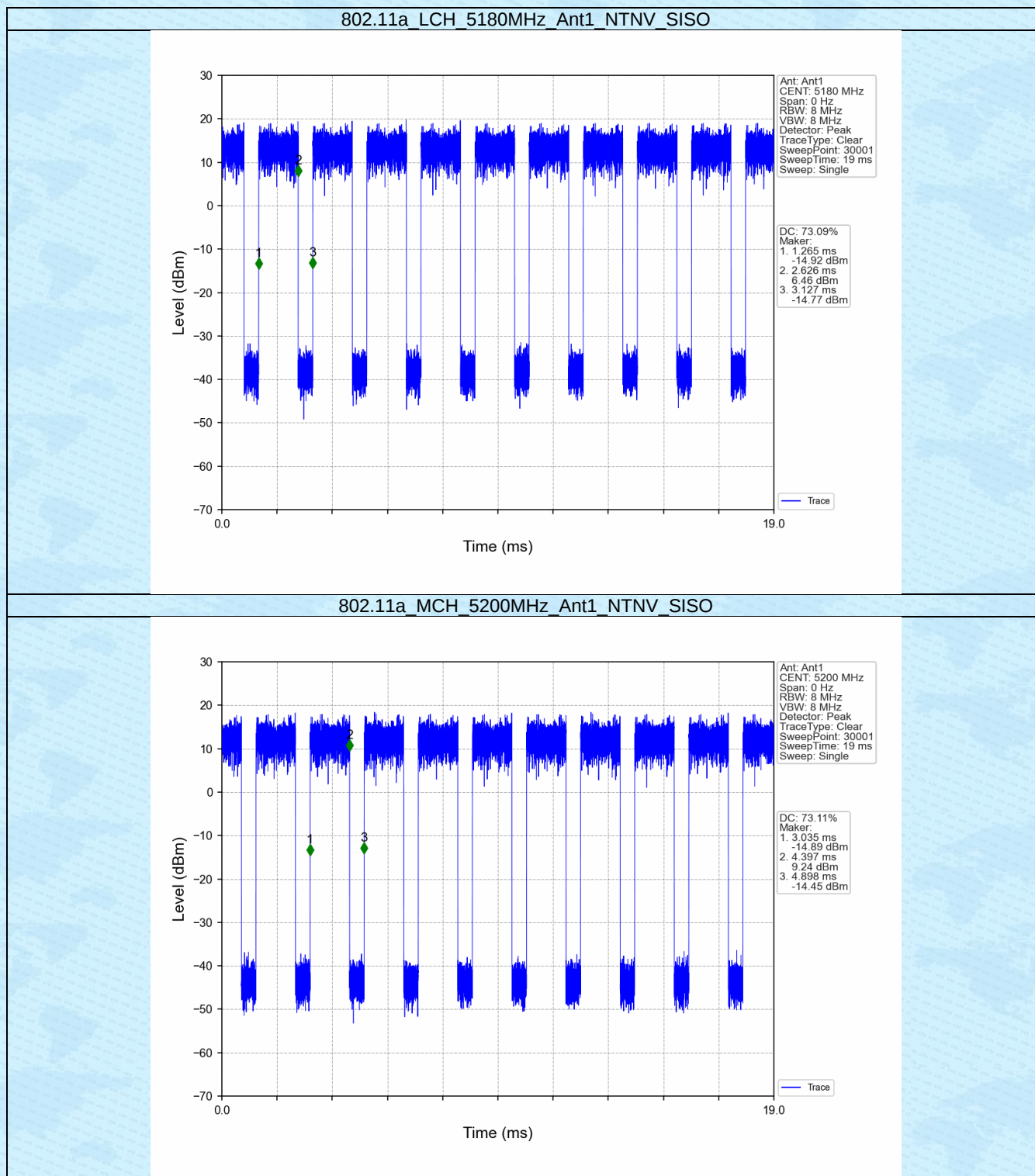
1. Duty Cycle

1.1 Ant1

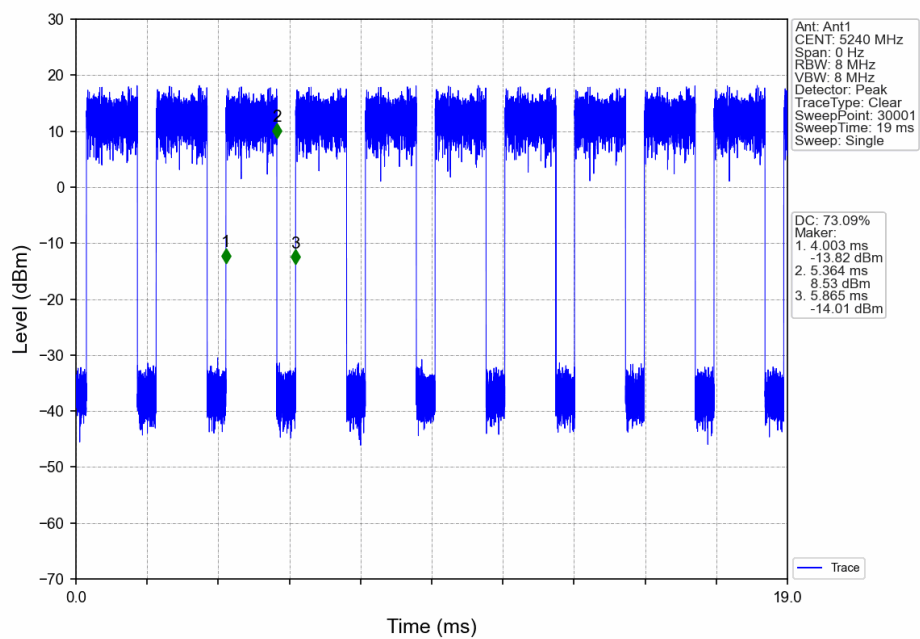
1.1.1 Test Result

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	1.361	1.862	73.09	1.36	0.03
		5200	1.362	1.863	73.11	1.36	0.03
		5240	1.361	1.862	73.09	1.36	0.03
802.11n (HT20)	SISO	5180	1.361	1.862	73.09	1.36	0.03
		5200	1.361	1.862	73.09	1.36	0.02
		5240	1.362	1.863	73.11	1.36	0.03
802.11n (HT40)	SISO	5190	0.633	1.134	55.82	2.53	0.01
		5230	0.633	1.134	55.82	2.53	0.03
802.11n (HT20)	MIMO	5180	1.274	1.774	71.82	1.44	0.00
		5200	1.274	1.775	71.77	1.44	0.00
		5240	1.274	1.775	71.77	1.44	0.00
802.11n (HT40)	MIMO	5190	0.633	1.134	55.82	2.53	0.03
		5230	0.634	1.134	55.91	2.53	0.03
802.11ac (VHT20)	SISO	5180	1.277	1.778	71.82	1.44	0.03
		5200	1.278	1.778	71.88	1.43	0.01
		5240	1.277	1.778	71.82	1.44	0.03
802.11ac (VHT40)	SISO	5190	1.276	1.778	71.77	1.44	0.03
		5230	0.634	1.134	55.91	2.53	0.01
802.11ac (VHT80)	SISO	5210	0.318	0.818	38.88	4.10	0.02
802.11ac (VHT20)	MIMO	5180	1.274	1.775	71.77	1.44	0.02
		5200	1.273	1.774	71.76	1.44	0.03
		5240	1.274	1.775	71.77	1.44	0.03
802.11ac (VHT40)	MIMO	5190	0.633	1.134	55.82	2.53	0.03
		5230	0.634	1.135	55.86	2.53	0.03
802.11ac (VHT80)	MIMO	5210	0.318	0.818	38.88	4.10	0.03

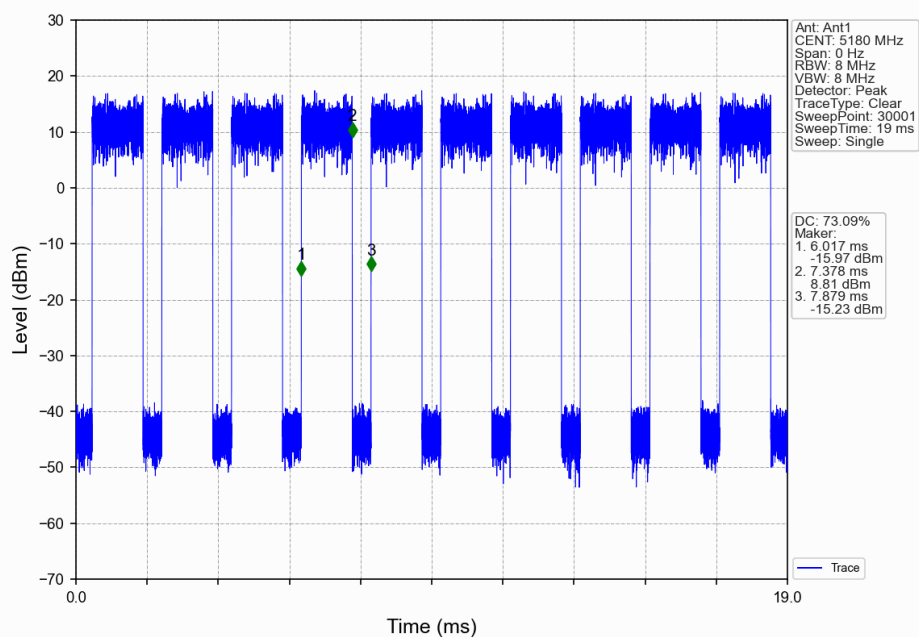
1.1.2 Test Graph



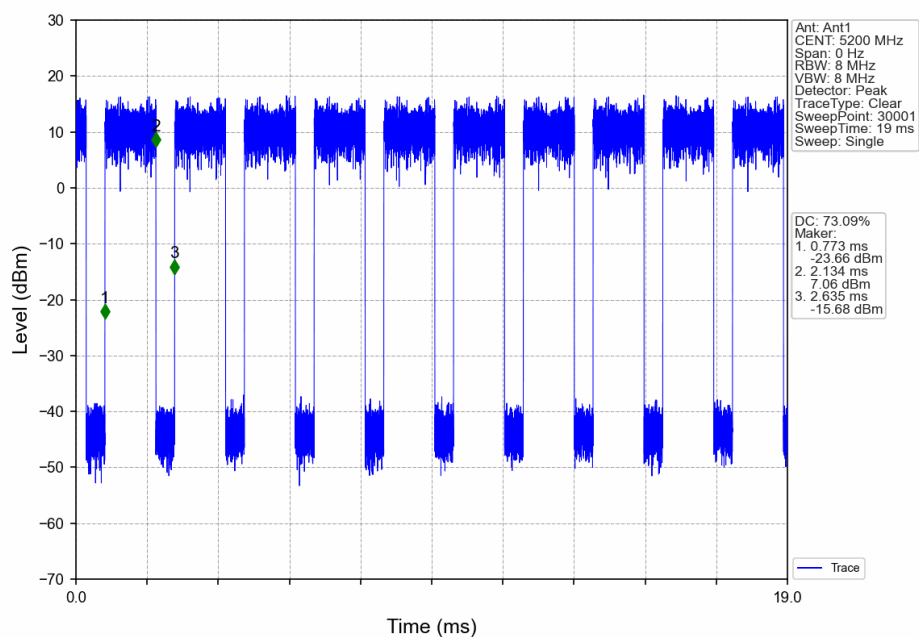
802.11a_HCH_5240MHz_Ant1_NTNV_SISO



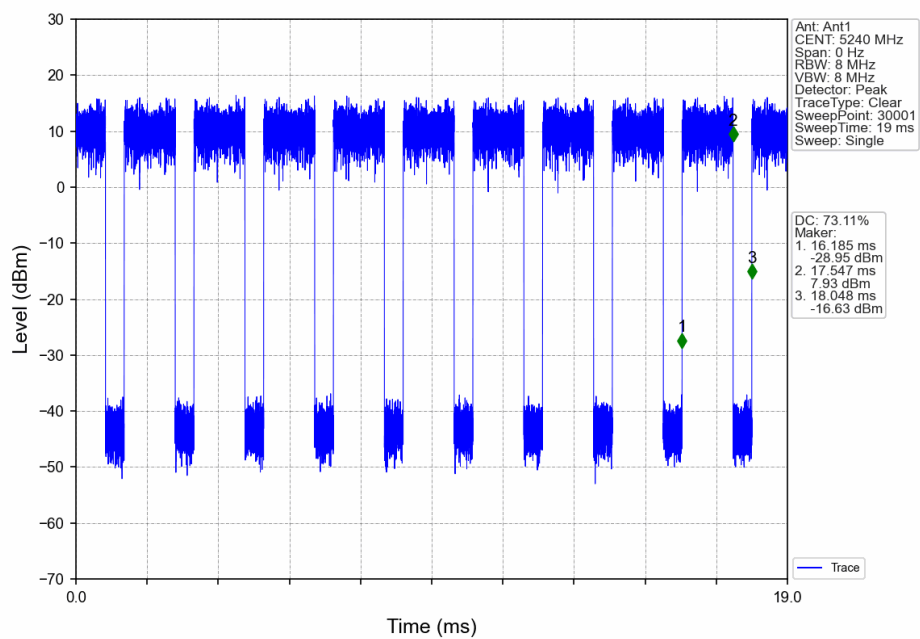
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV_SISO



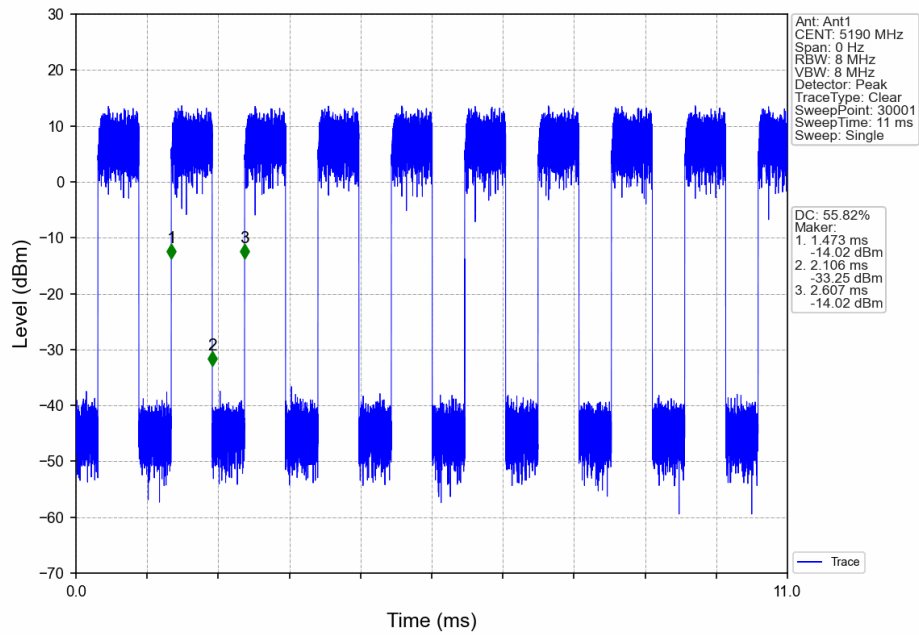
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV_SISO



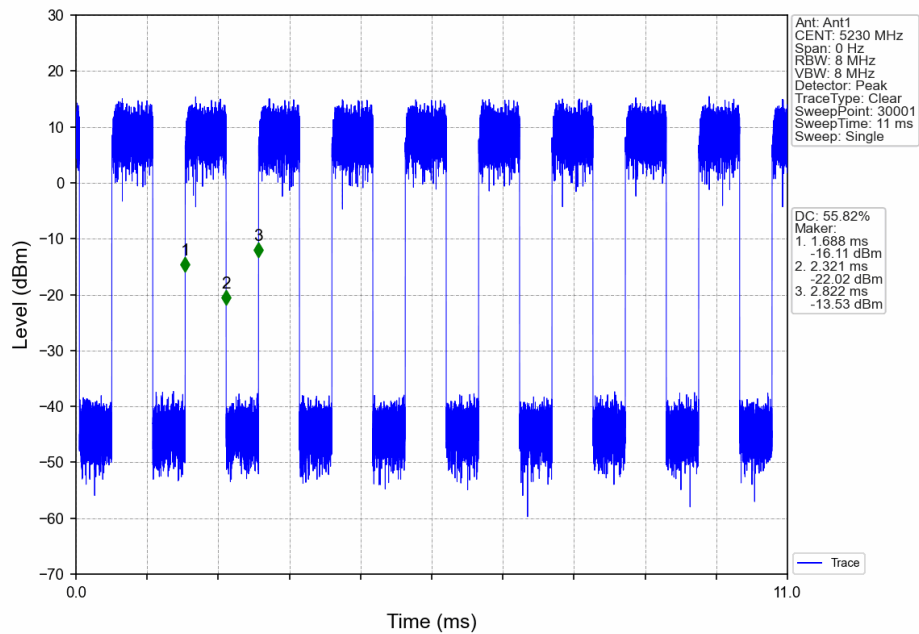
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV_SISO



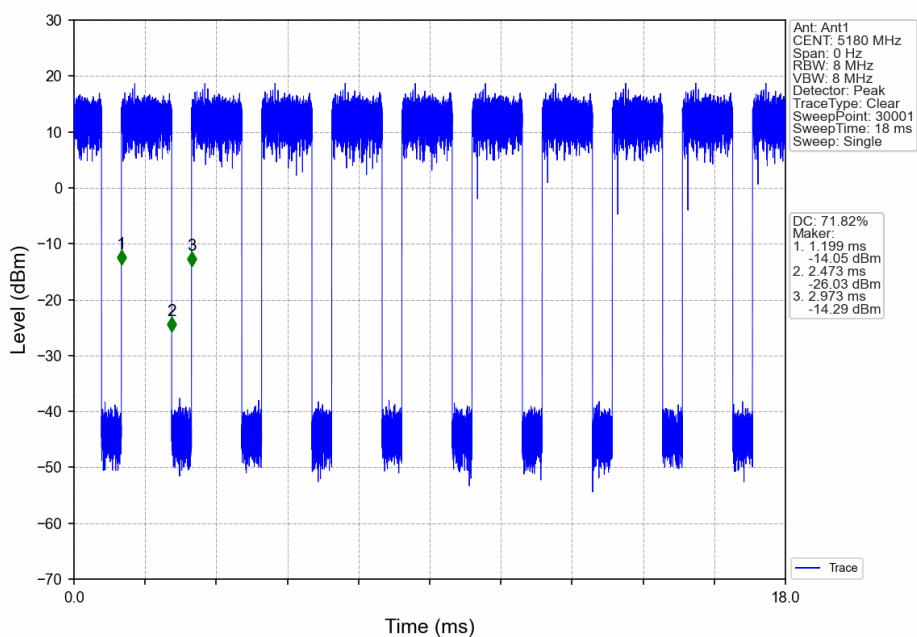
802.11n(HT40) LCH 5190MHz Ant1 NTNVSISO



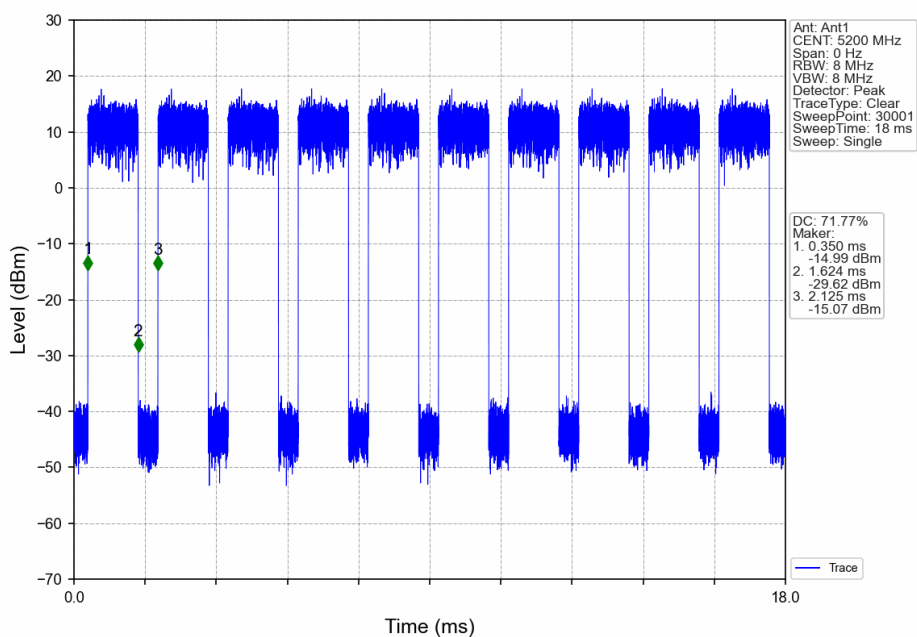
802.11n(HT40) HCH 5230MHz Ant1 NTNVSISO



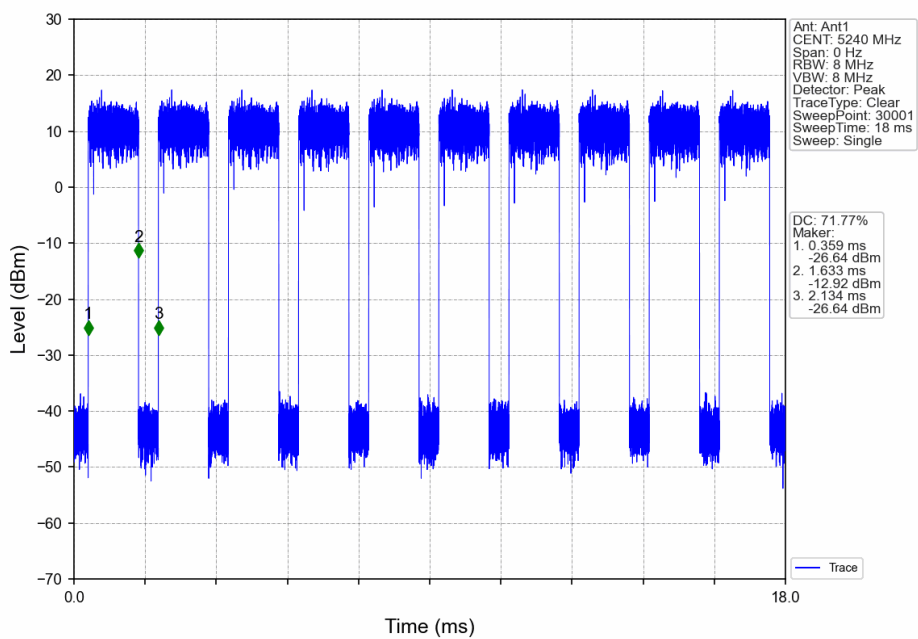
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV_MIMO



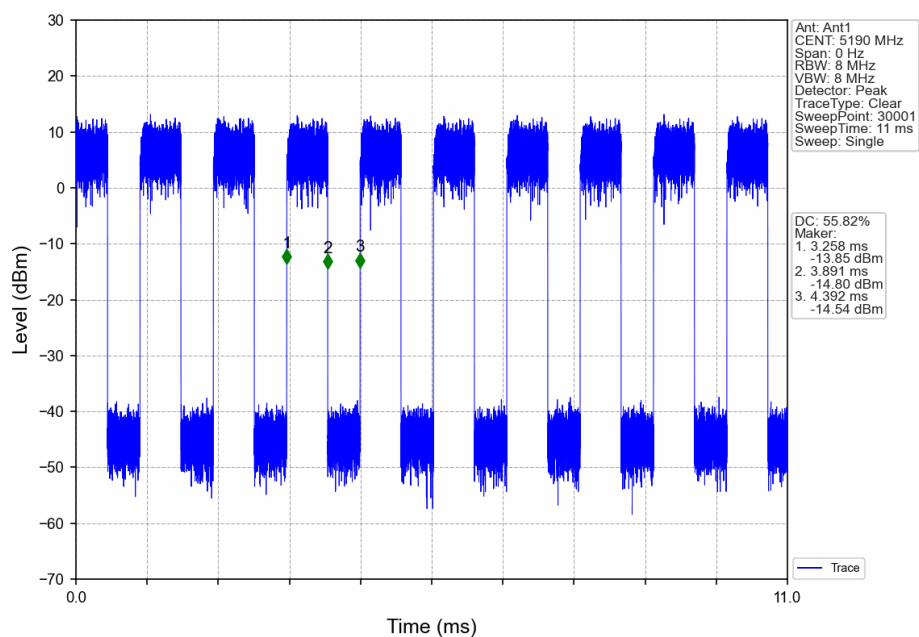
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV_MIMO



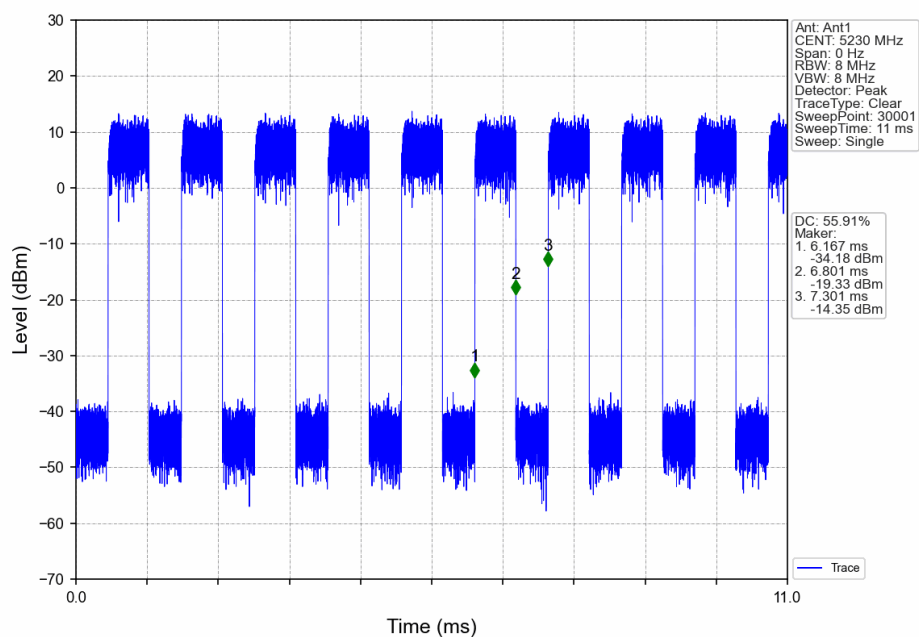
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV_MIMO



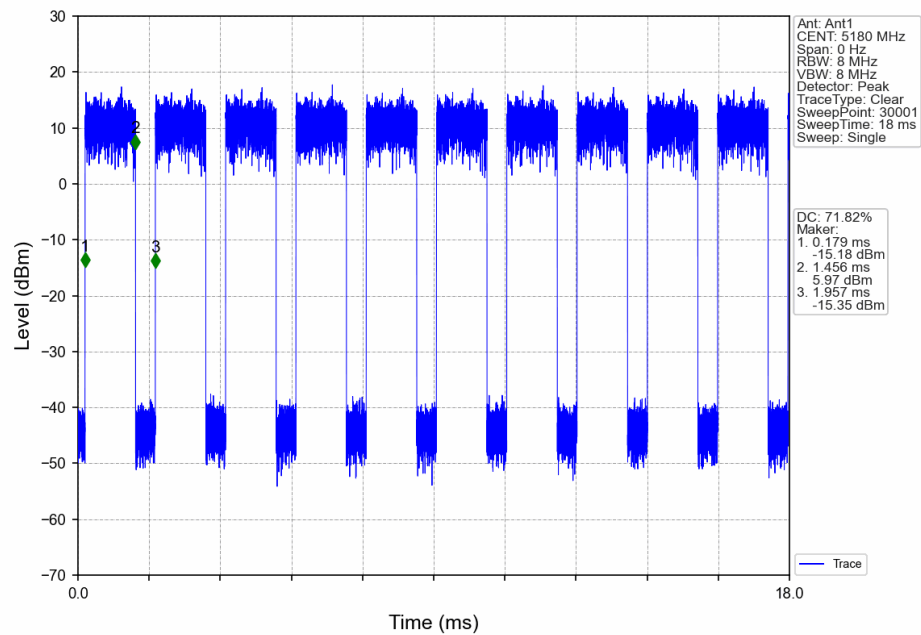
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV_MIMO



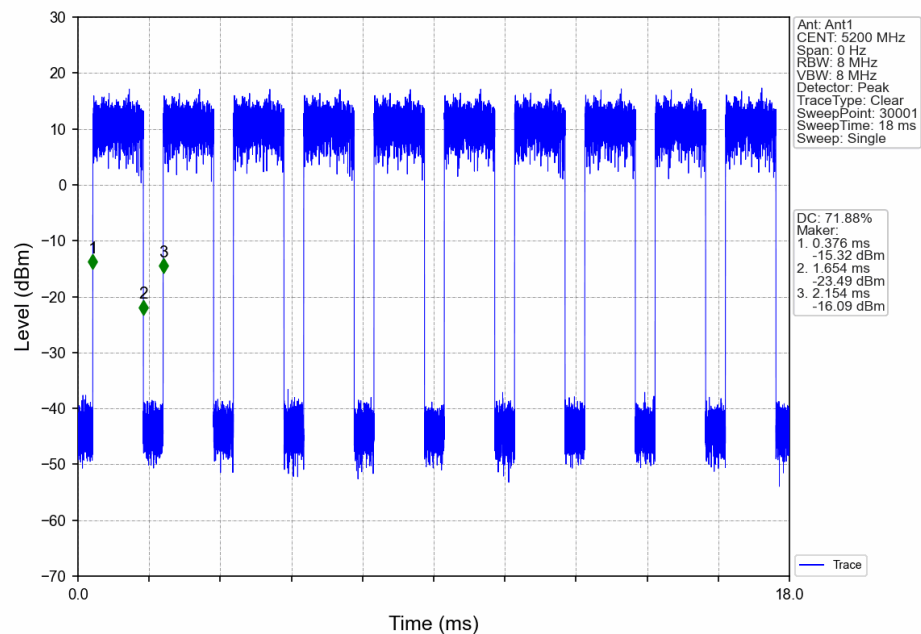
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV_MIMO



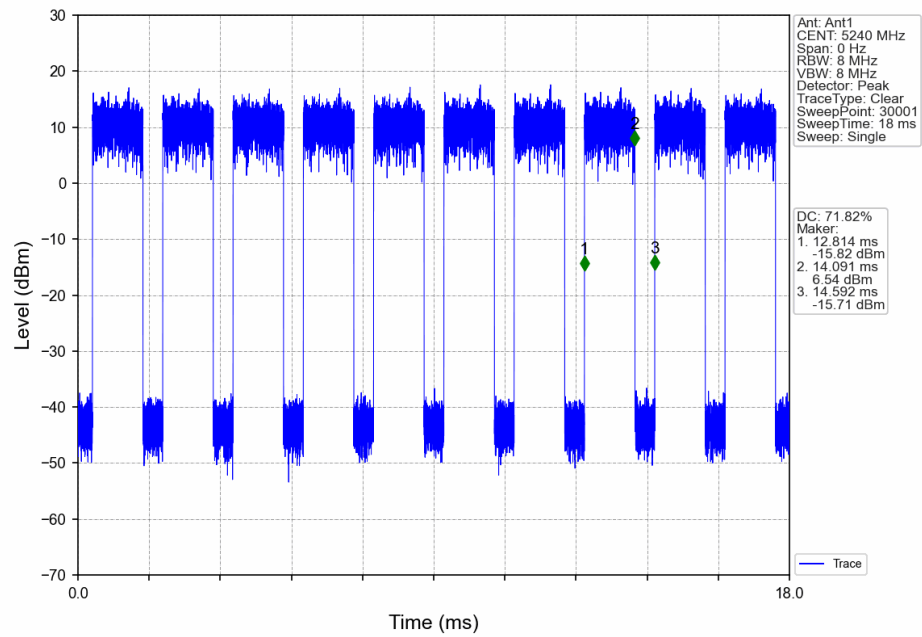
802.11ac(VHT20) LCH 5180MHz Ant1 NTN_V_SISO



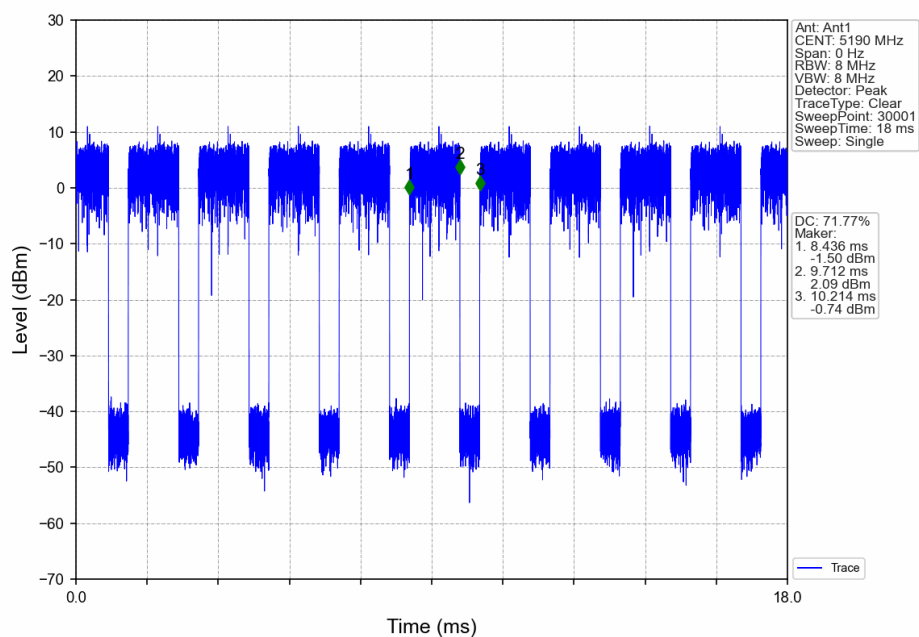
802.11ac(VHT20) MCH 5200MHz Ant1 NTN_V_SISO



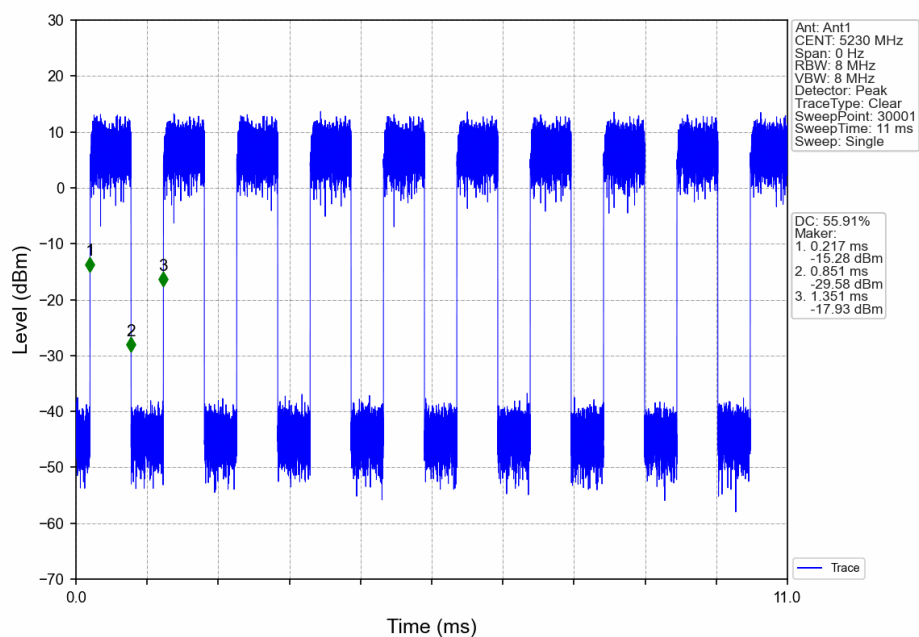
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV_SISO

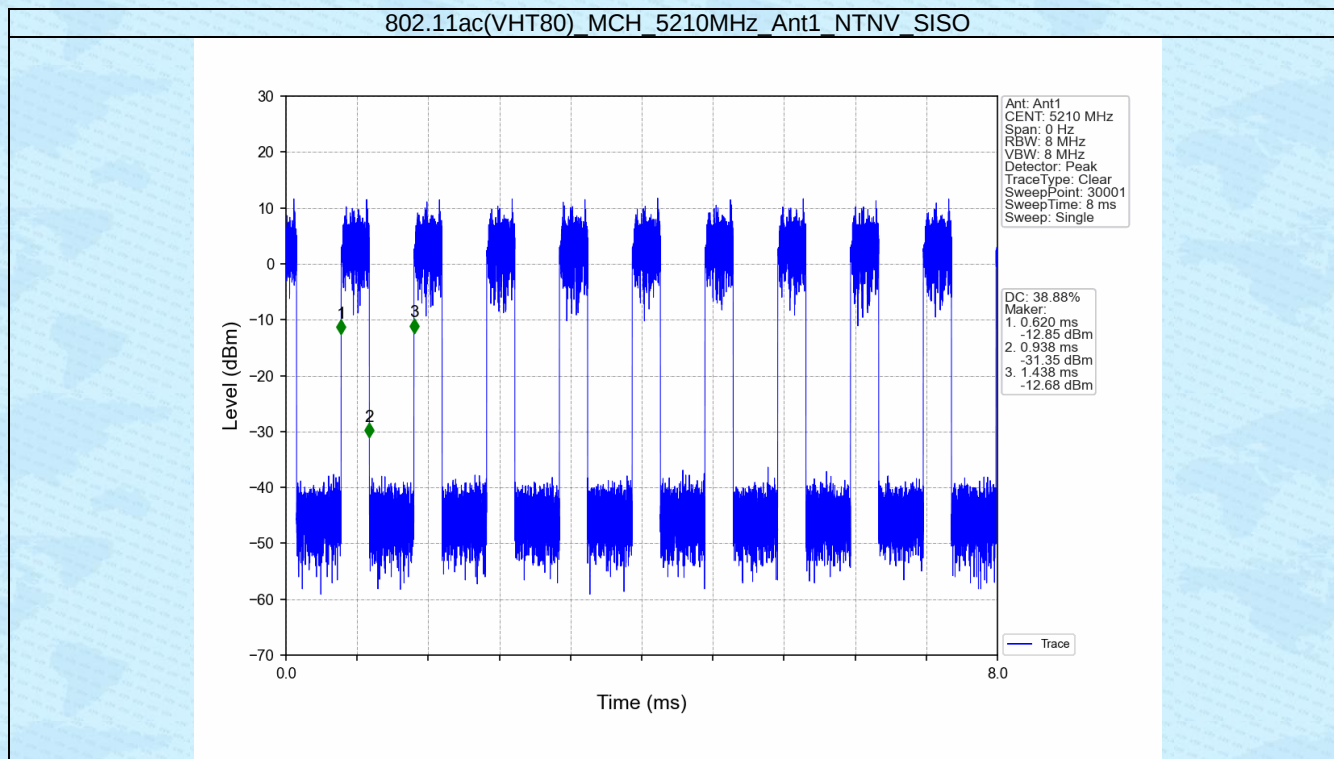


802.11ac(VHT40) LCH 5190MHz Ant1 NTNVSISO

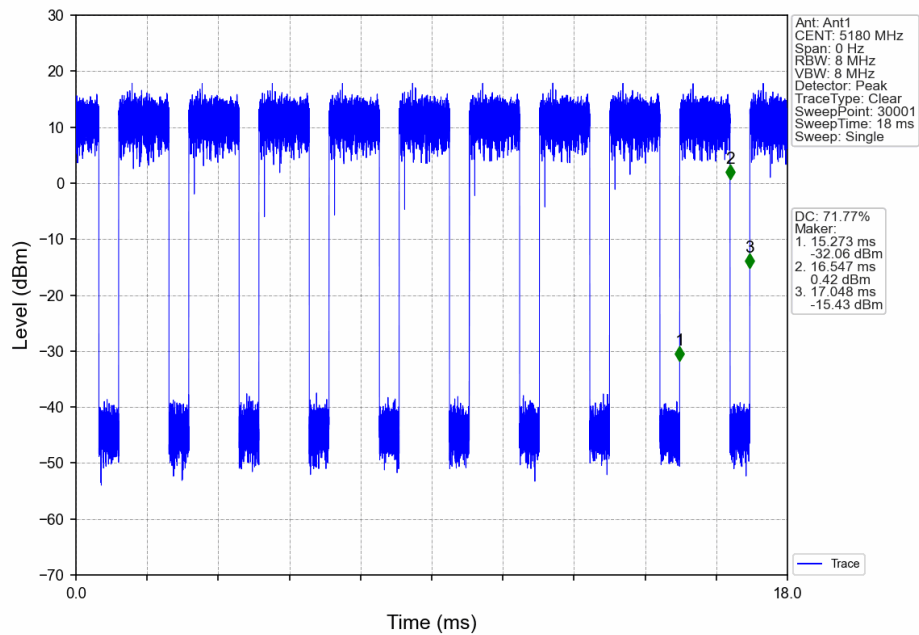


802.11ac(VHT40) HCH 5230MHz Ant1 NTNVSISO

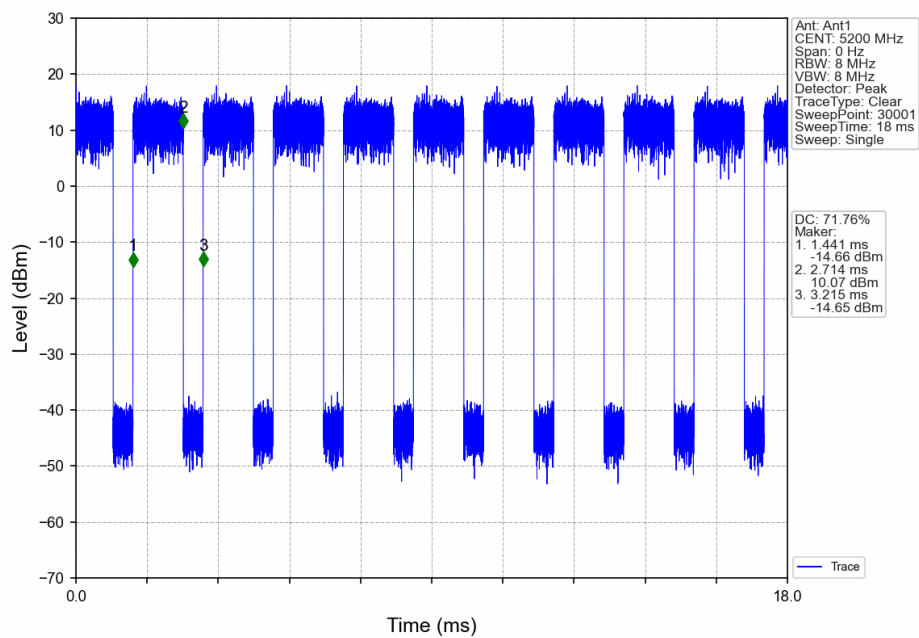




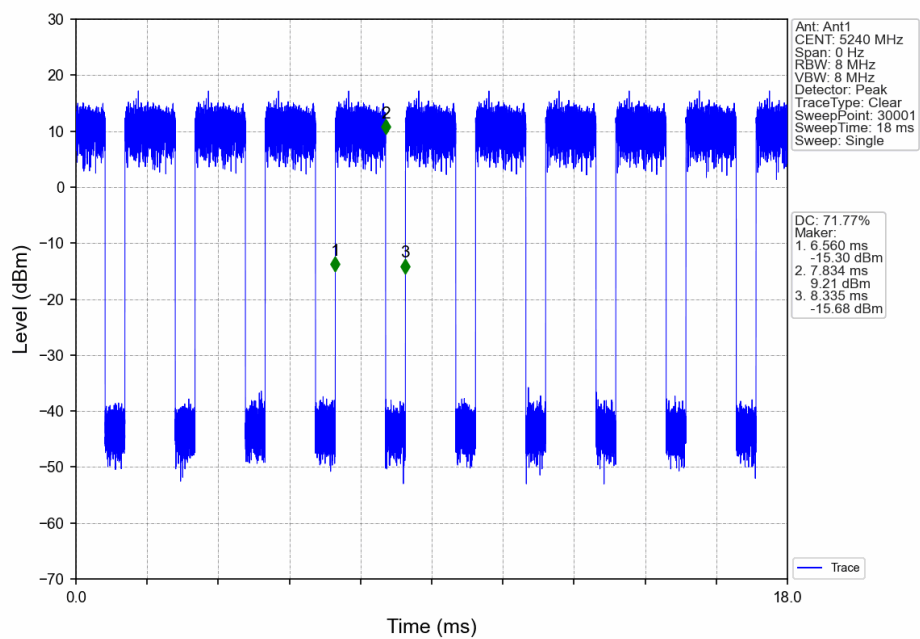
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV_MIMO



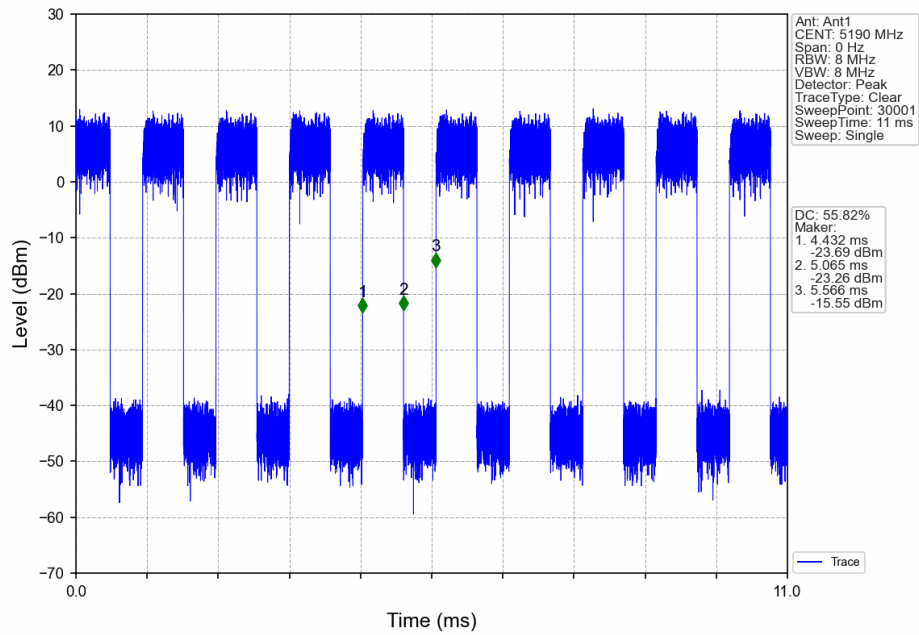
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV_MIMO



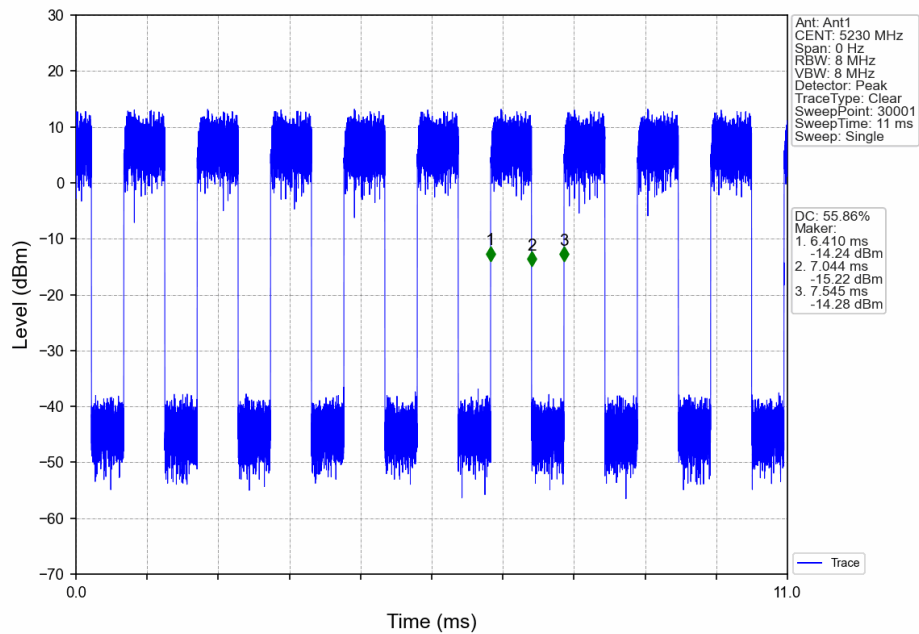
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV_MIMO

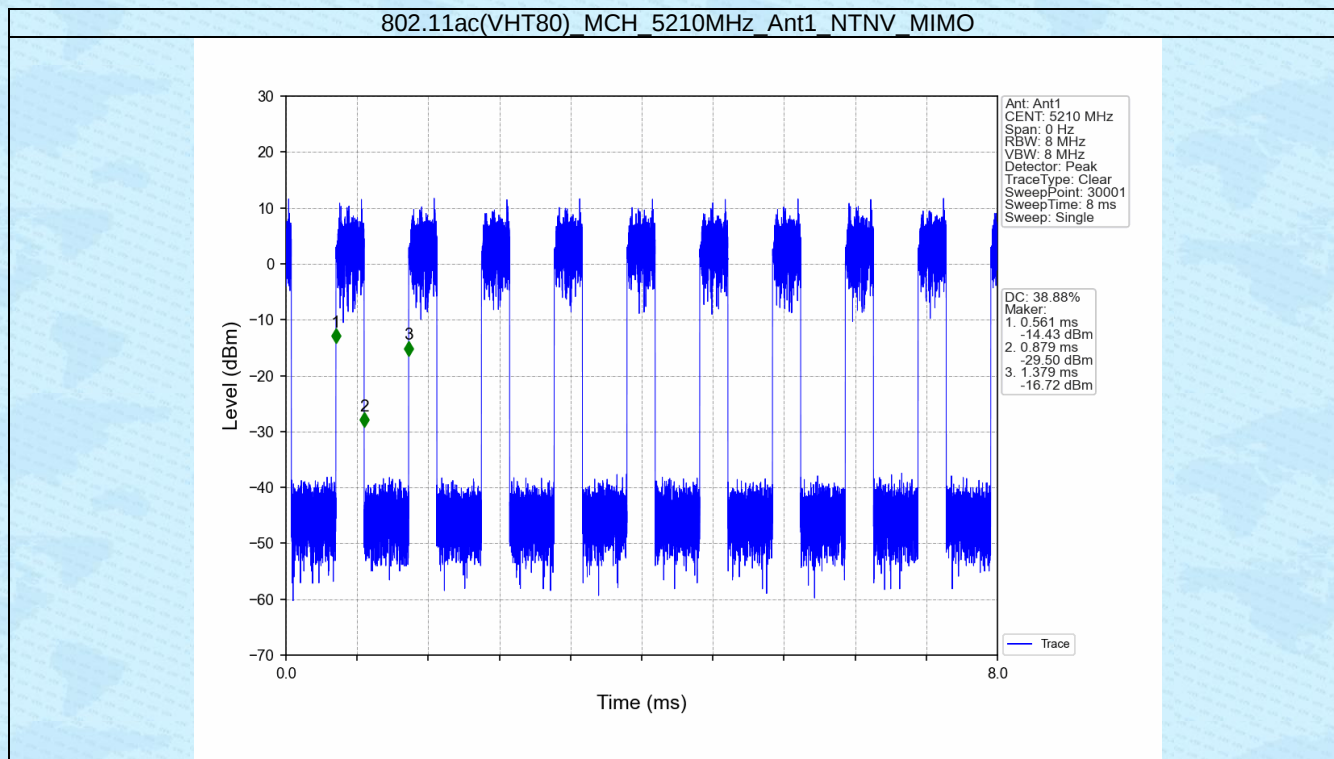


802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV_MIMO



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV_MIMO



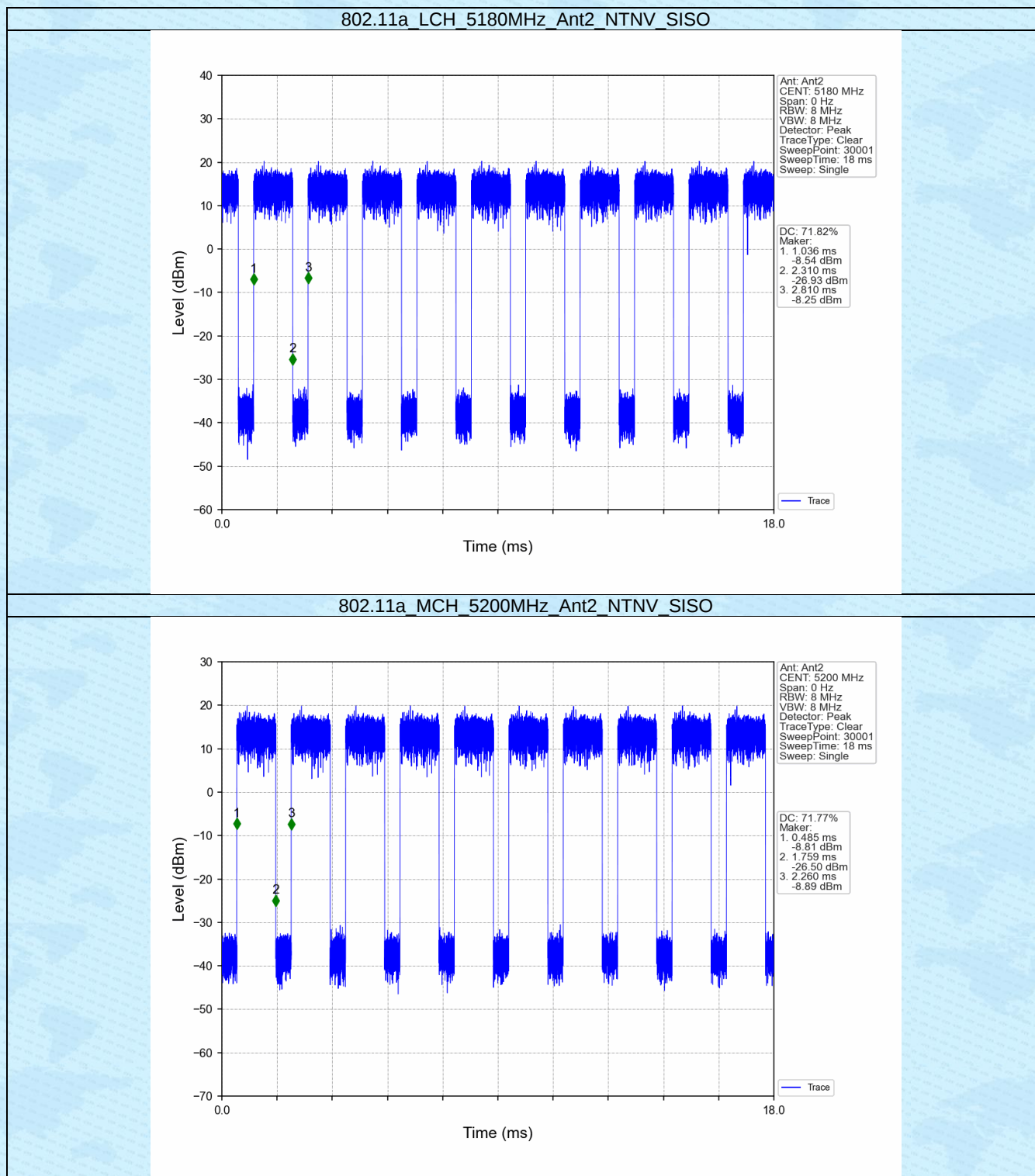


1.2 Ant2

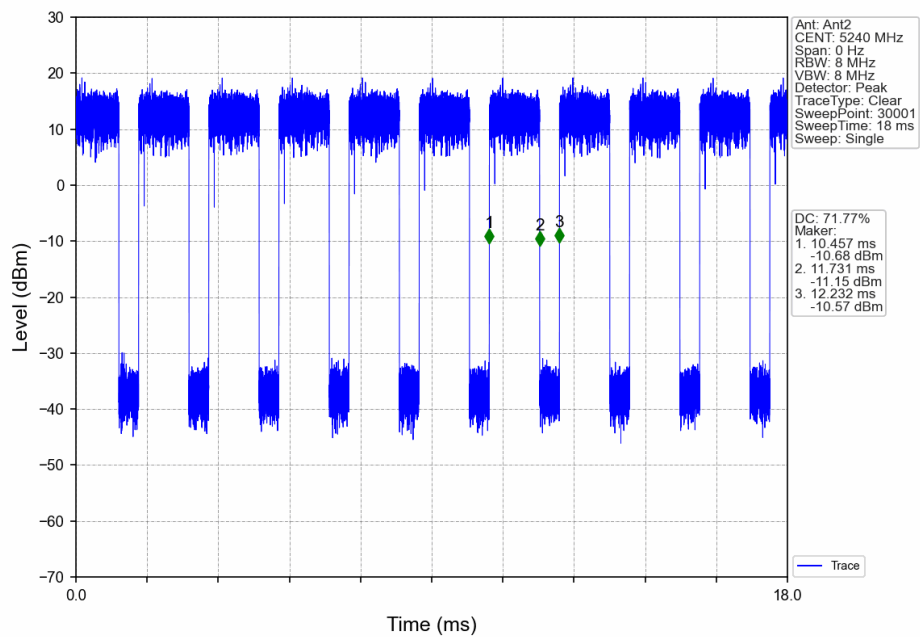
1.2.1 Test Result

Ant2							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	1.274	1.774	71.82	1.44	0.00
		5200	1.274	1.775	71.77	1.44	0.00
		5240	1.274	1.775	71.77	1.44	0.03
802.11n (HT20)	SISO	5180	1.362	1.863	73.11	1.36	0.03
		5200	1.273	1.774	71.76	1.44	0.00
		5240	1.274	1.775	71.77	1.44	0.00
802.11n (HT40)	SISO	5190	0.634	1.134	55.91	2.53	0.05
		5230	0.633	1.134	55.82	2.53	0.05
802.11n (HT20)	MIMO	5180	1.274	1.774	71.82	1.44	0.00
		5200	1.273	1.774	71.76	1.44	0.03
		5240	1.273	1.774	71.76	1.44	0.00
802.11n (HT40)	MIMO	5190	0.633	1.134	55.82	2.53	0.03
		5230	0.633	1.134	55.82	2.53	0.03
802.11ac (VHT20)	SISO	5180	1.277	1.778	71.82	1.44	0.03
		5200	1.278	1.779	71.84	1.44	0.03
		5240	1.277	1.778	71.82	1.44	0.01
802.11ac (VHT40)	SISO	5190	0.637	1.138	55.98	2.52	0.04
		5230	0.637	1.138	55.98	2.52	0.03
802.11ac (VHT80)	SISO	5210	0.318	0.818	38.88	4.10	0.03
802.11ac (VHT20)	MIMO	5180	1.277	1.778	71.82	1.44	0.03
		5200	1.277	1.778	71.82	1.44	0.03
		5240	1.278	1.779	71.84	1.44	0.03
802.11ac (VHT40)	MIMO	5190	0.638	1.138	56.06	2.51	0.04
		5230	0.638	1.139	56.01	2.52	0.04
802.11ac (VHT80)	MIMO	5210	0.318	0.819	38.83	4.11	0.03

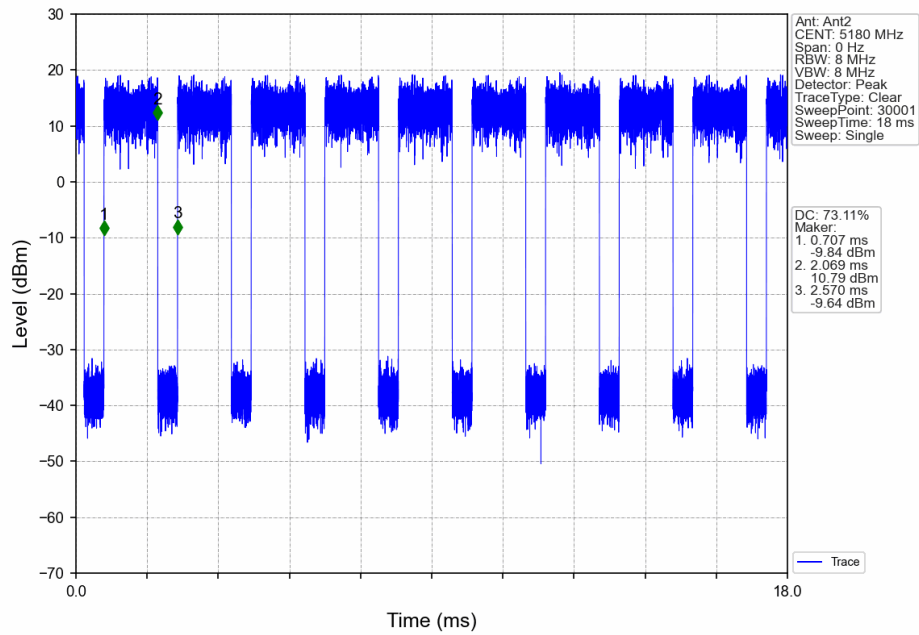
1.2.2 Test Graph



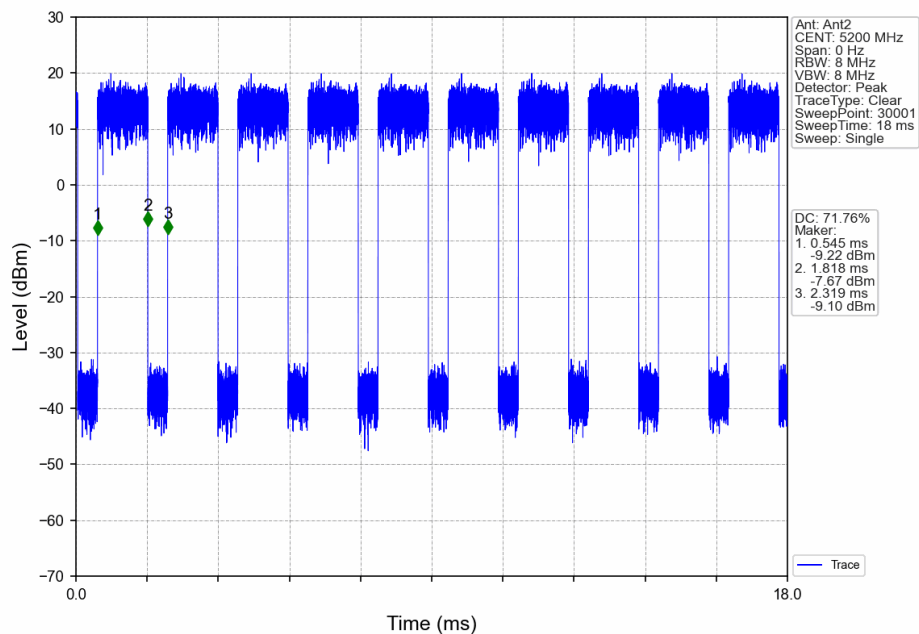
802.11a_HCH_5240MHz_Ant2_NTNV_SISO



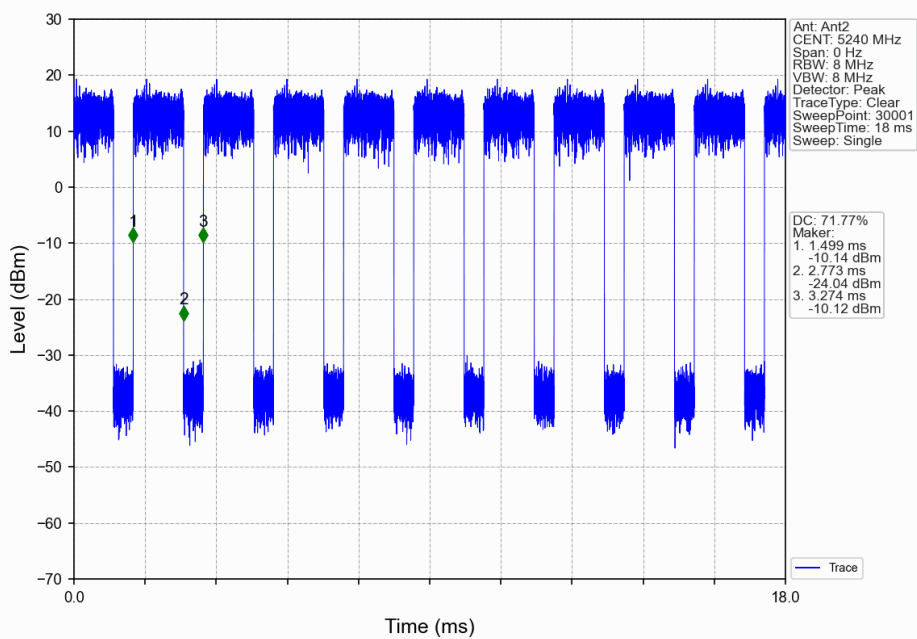
802.11n(HT20)_LCH_5180MHz_Ant2_NTNV_SISO



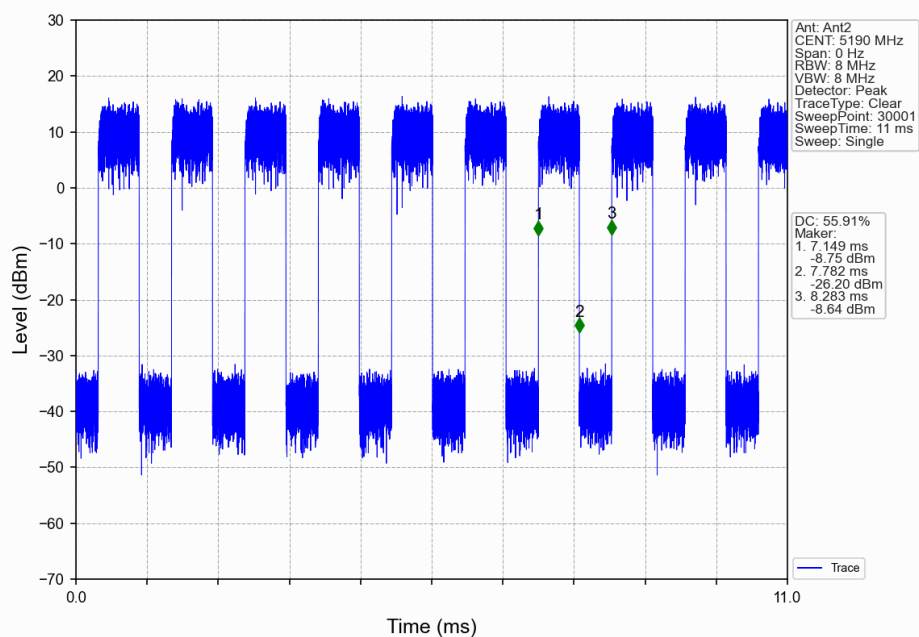
802.11n(HT20)_MCH_5200MHz_Ant2_NTNV_SISO



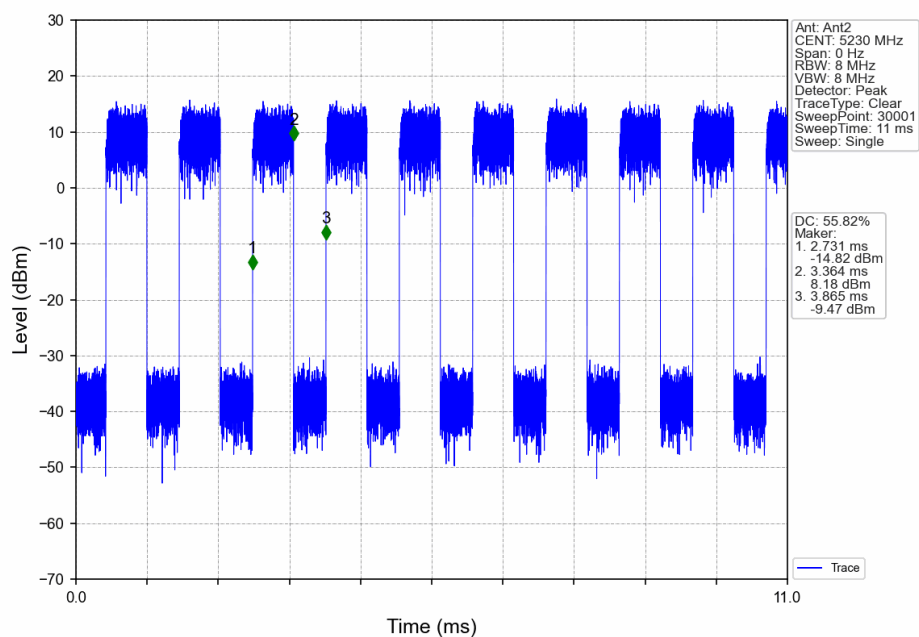
802.11n(HT20)_HCH_5240MHz_Ant2_NTNV_SISO



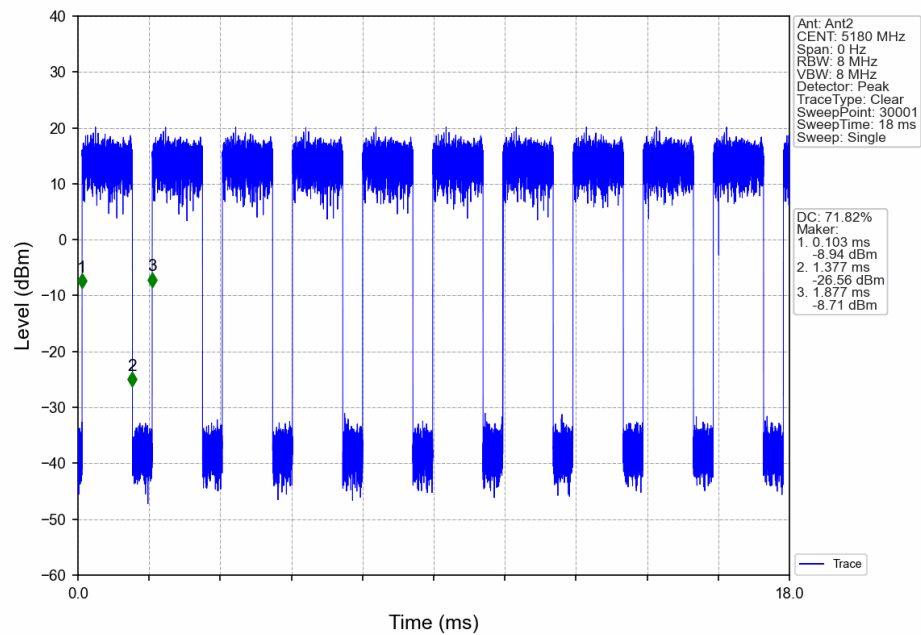
802.11n(HT40)_LCH_5190MHz_Ant2_NTNV_SISO



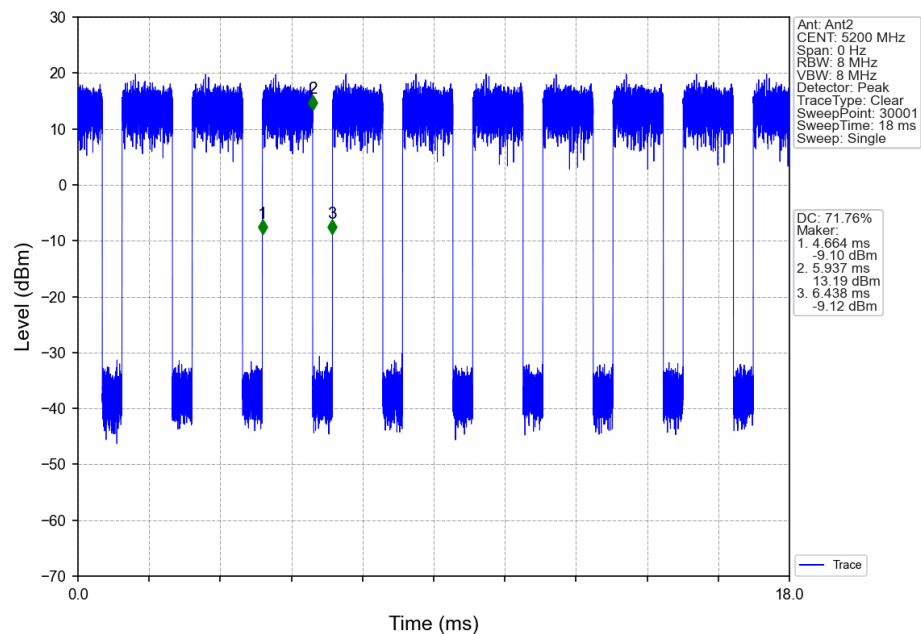
802.11n(HT40)_HCH_5230MHz_Ant2_NTNV_SISO



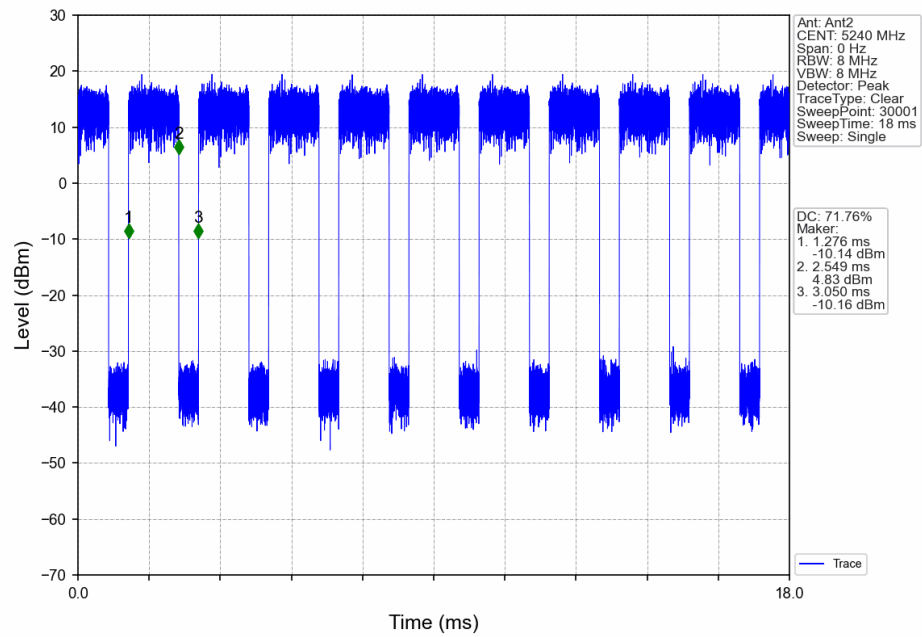
802.11n(HT20)_LCH_5180MHz_Ant2_NTNV_MIMO



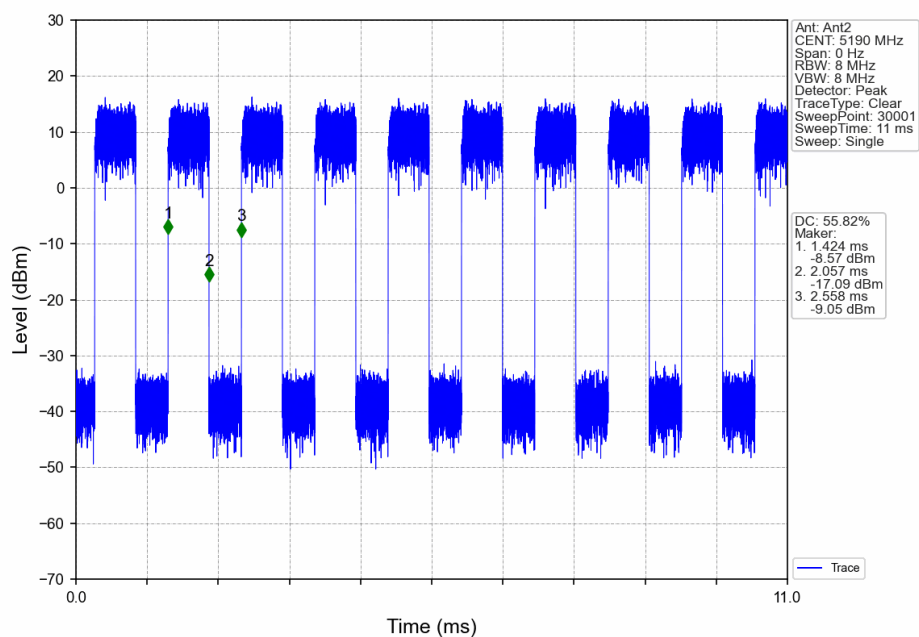
802.11n(HT20)_MCH_5200MHz_Ant2_NTNV_MIMO



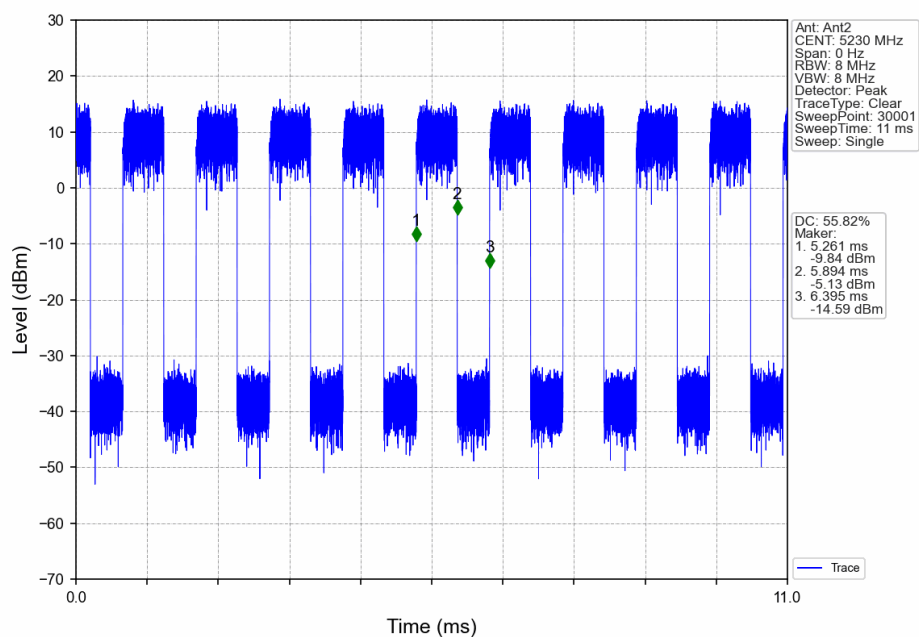
802.11n(HT20)_HCH_5240MHz_Ant2_NTNV_MIMO



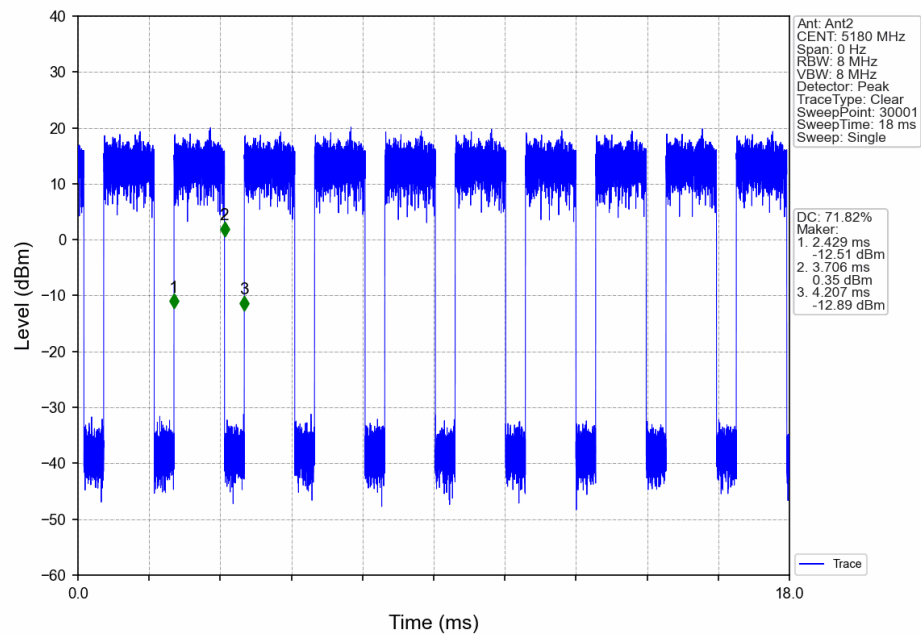
802.11n(HT40)_LCH_5190MHz_Ant2_NTNV_MIMO



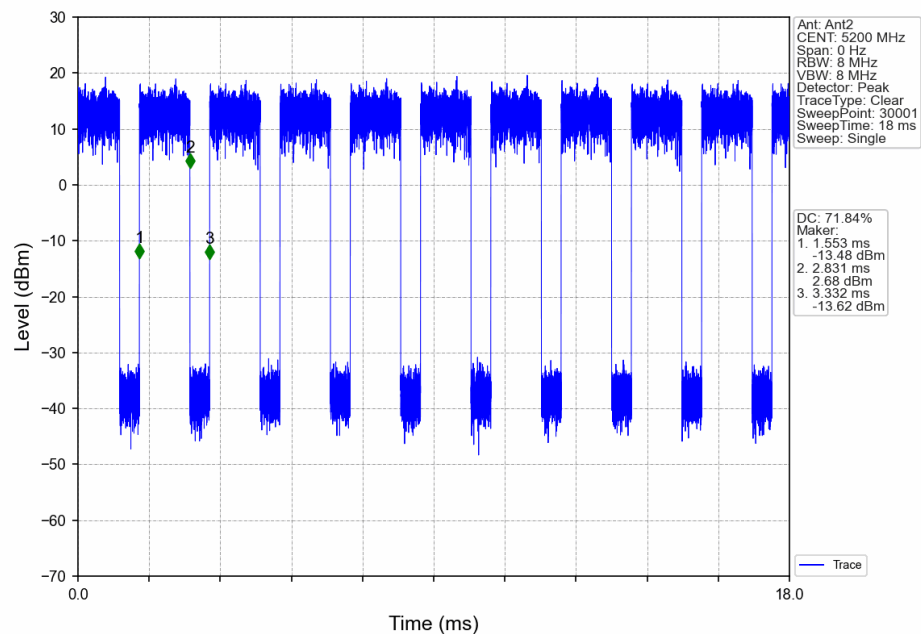
802.11n(HT40)_HCH_5230MHz_Ant2_NTNV_MIMO



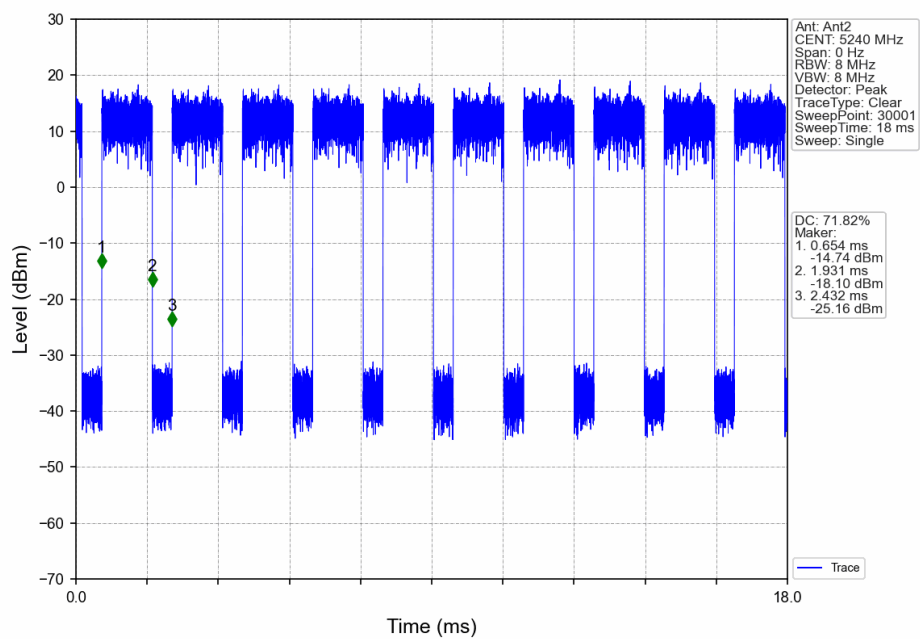
802.11ac(VHT20) LCH 5180MHz Ant2 NTNVSISO



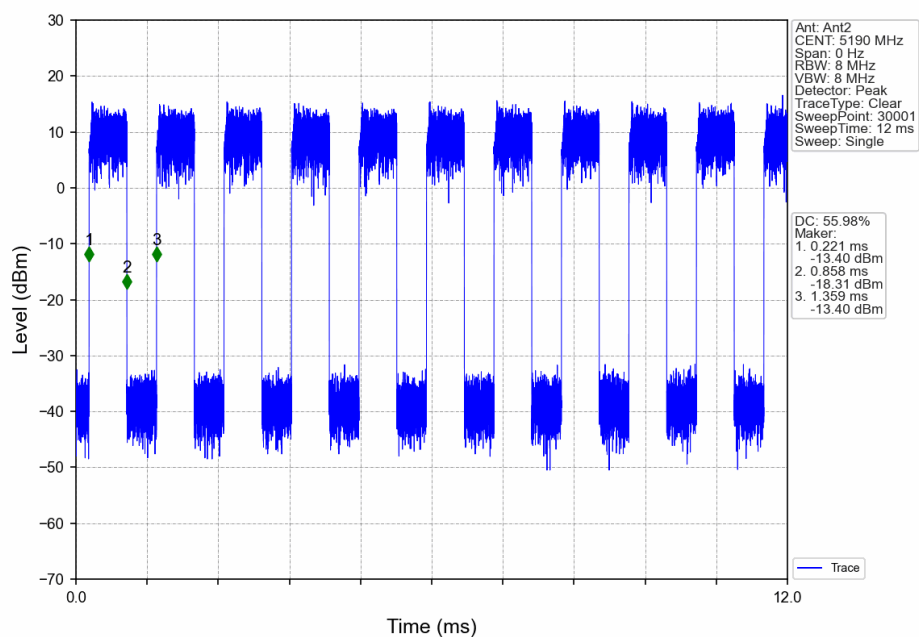
802.11ac(VHT20) MCH 5200MHz Ant2 NTNVSISO



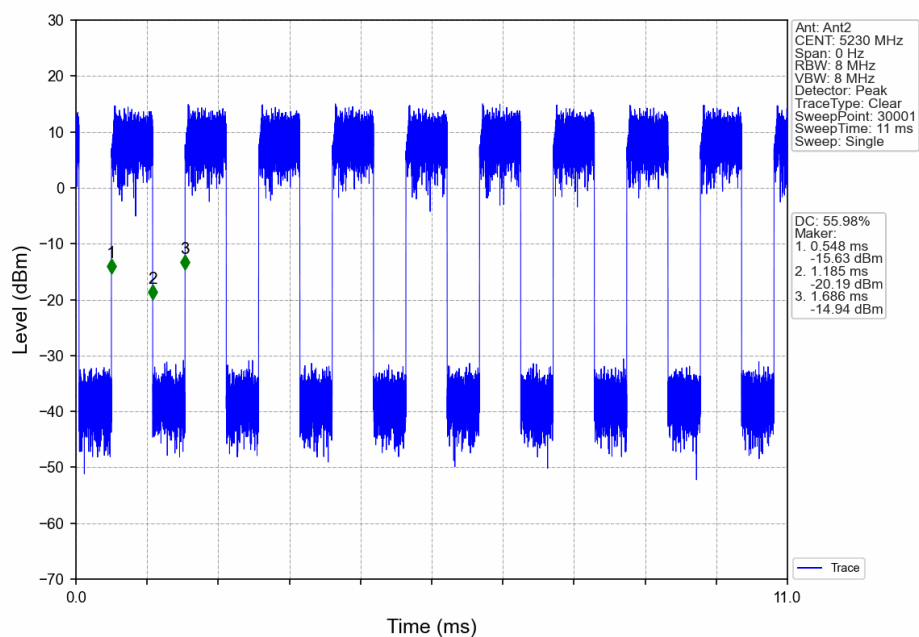
802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV_SISO

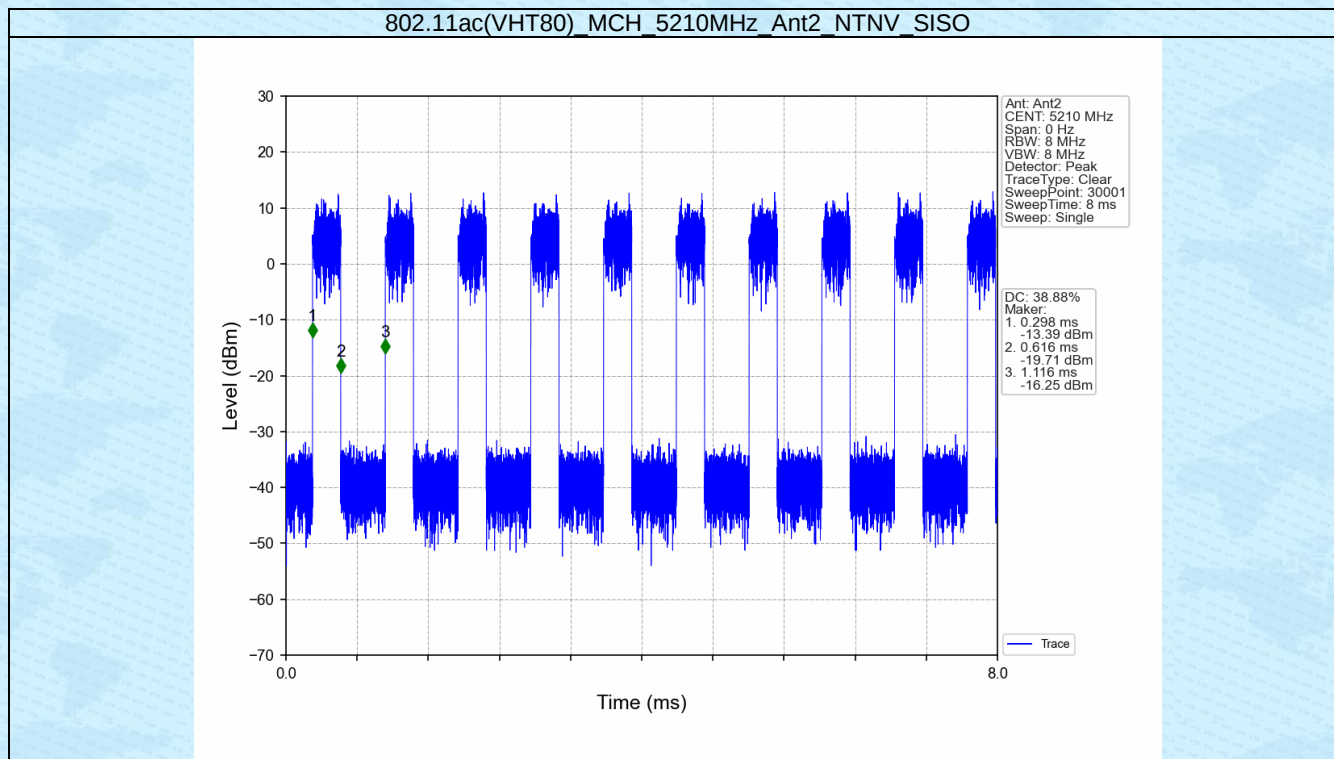


802.11ac(VHT40) LCH_5190MHz_Ant2_NTNV_SISO

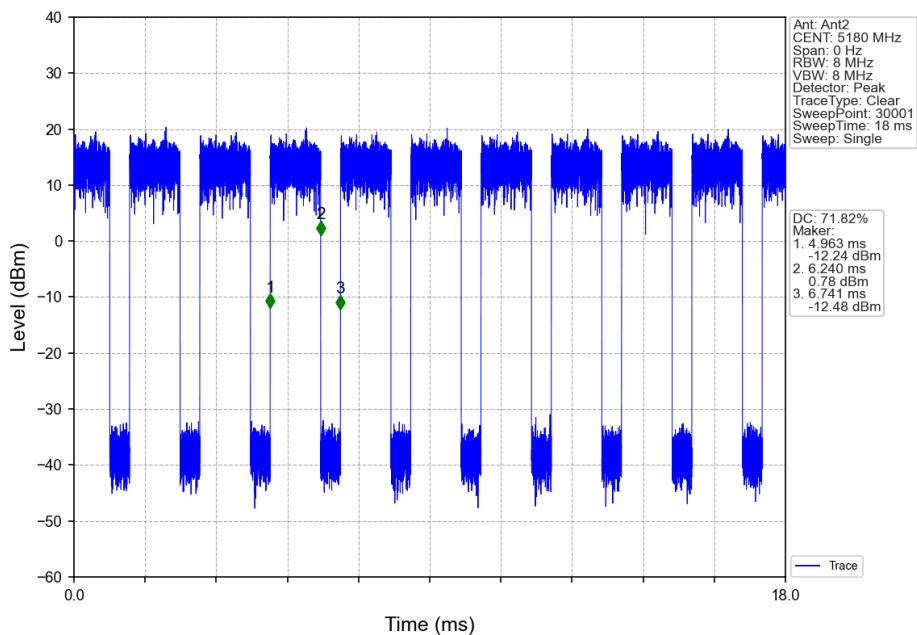


802.11ac(VHT40) HCH_5230MHz_Ant2_NTNV_SISO

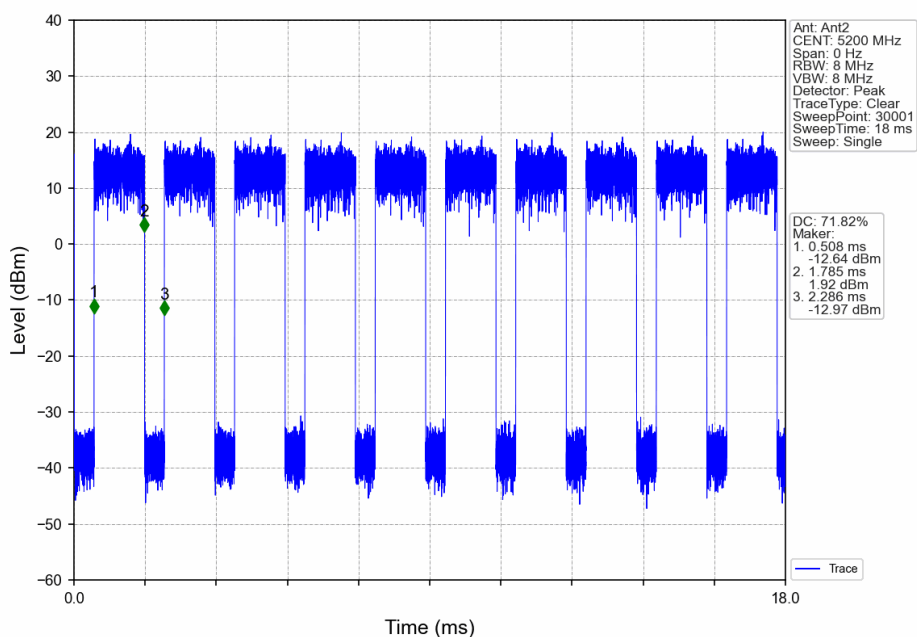




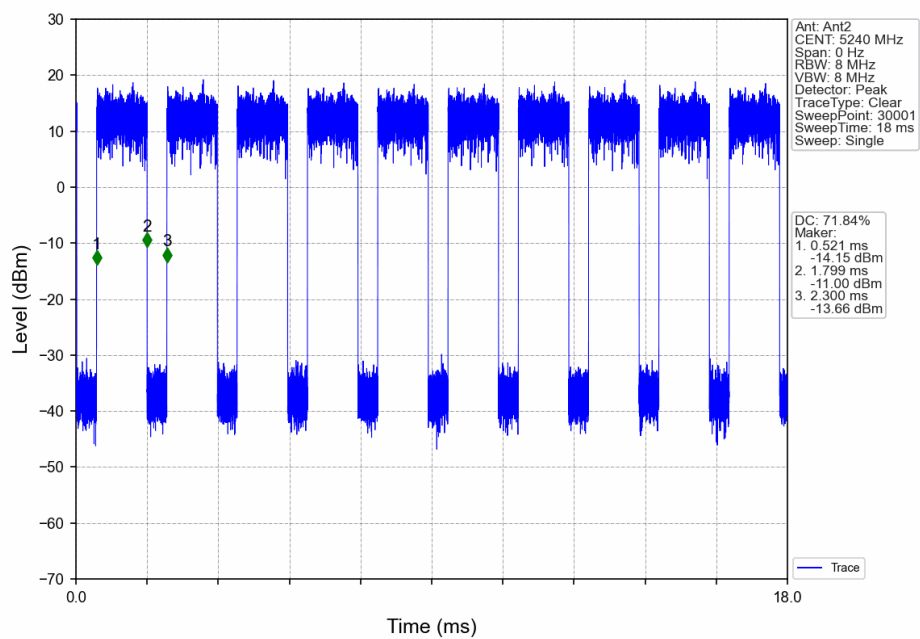
802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV_MIMO



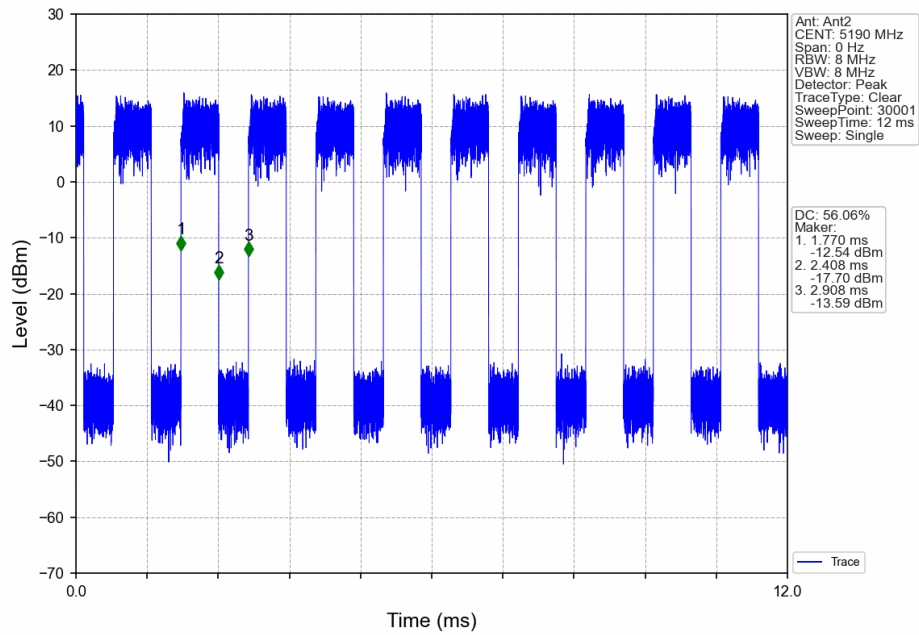
802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV_MIMO



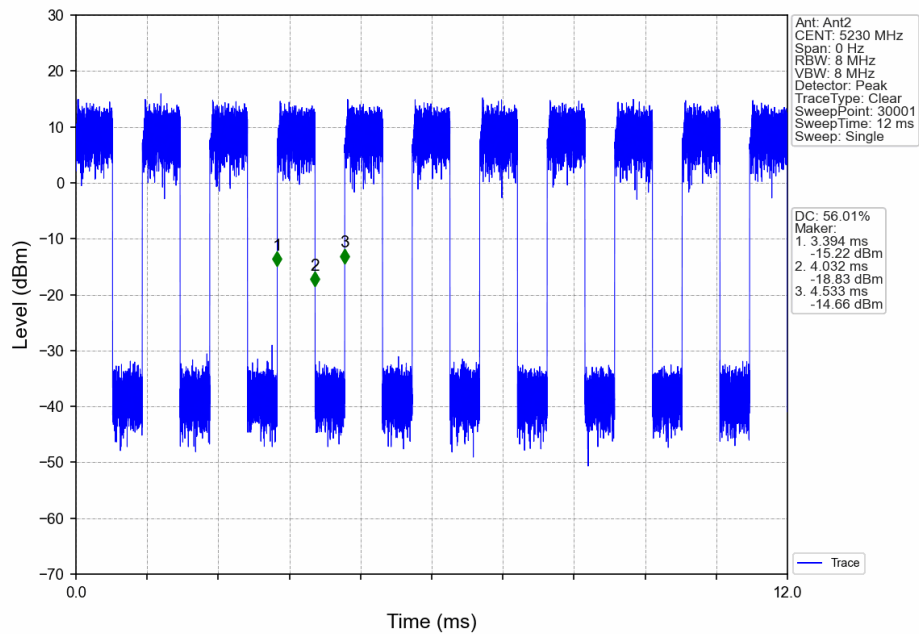
802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV_MIMO

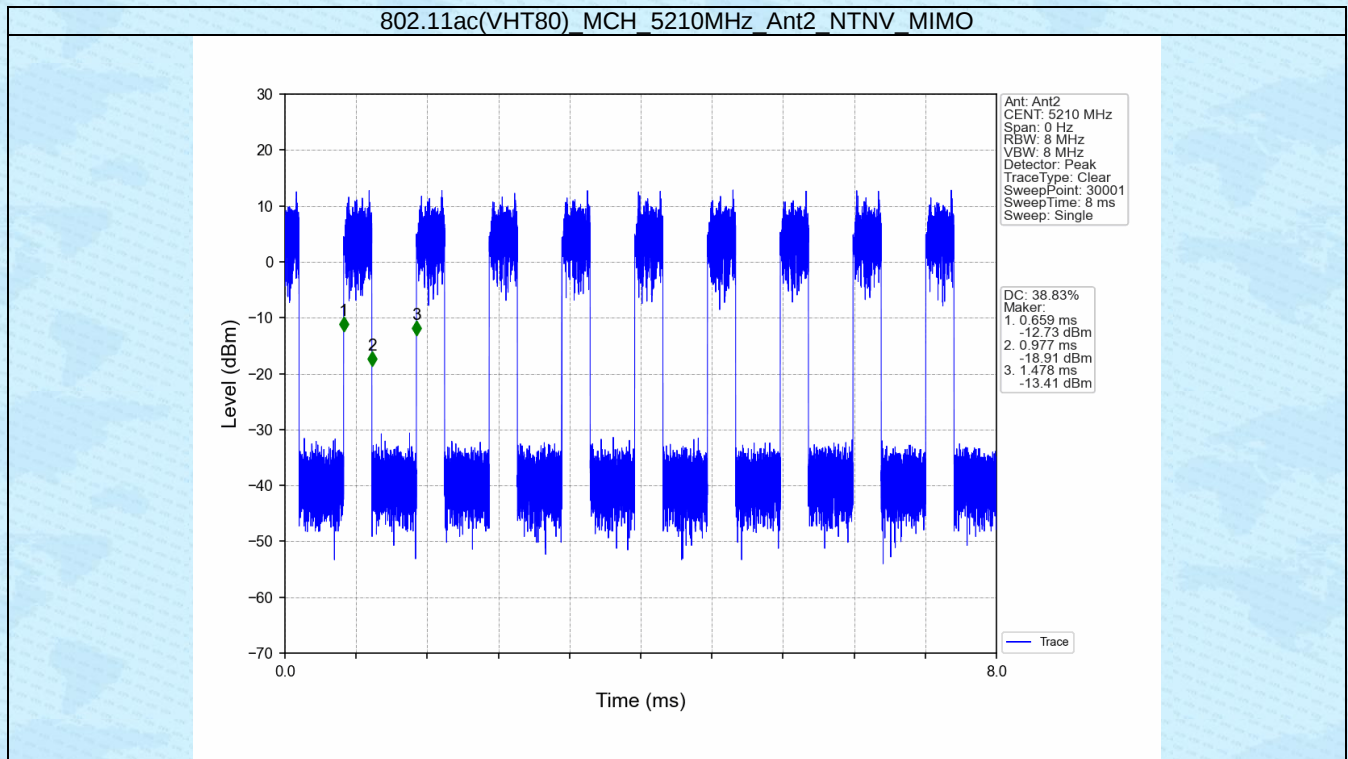


802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV_MIMO



802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV_MIMO





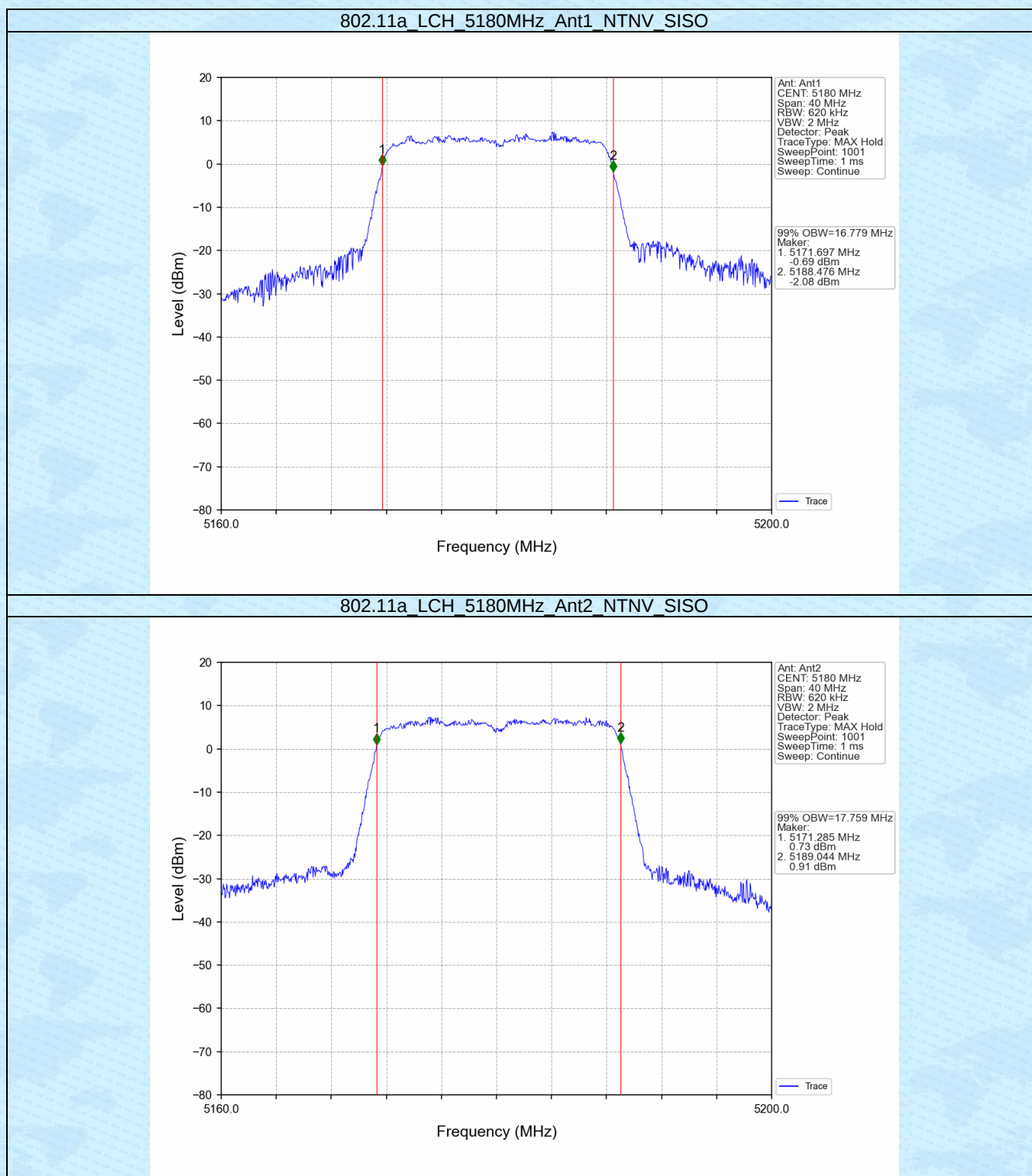
2. Bandwidth

2.1 OBW

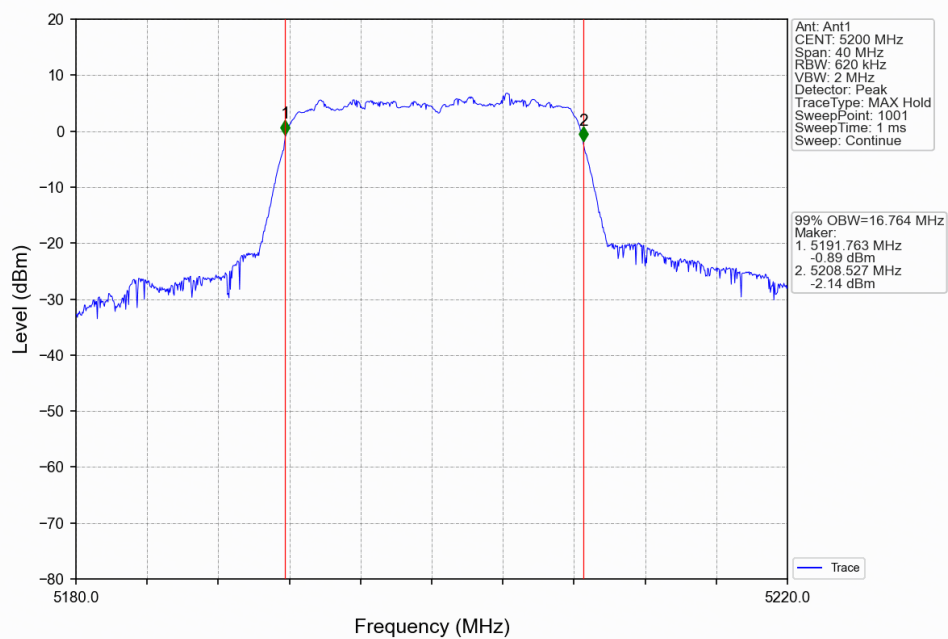
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	16.779	Pass
			2	17.759	Pass
		5200	1	16.764	Pass
			2	17.768	Pass
		5240	1	16.777	Pass
			2	17.776	Pass
802.11n (HT20)	SISO	5180	1	16.675	Pass
			2	16.612	Pass
		5200	1	16.697	Pass
			2	17.785	Pass
		5240	1	16.672	Pass
			2	17.777	Pass
802.11n (HT40)	SISO	5190	1	36.775	Pass
			2	36.489	Pass
		5230	1	36.832	Pass
			2	36.394	Pass
802.11n (HT20)	MIMO	5180	1	17.799	Pass
			2	17.763	Pass
		5200	1	17.809	Pass
			2	17.777	Pass
		5240	1	17.805	Pass
			2	17.772	Pass
802.11n (HT40)	MIMO	5190	1	36.655	Pass
			2	36.493	Pass
		5230	1	36.657	Pass
			2	36.482	Pass
802.11ac (VHT20)	SISO	5180	1	17.754	Pass
			2	17.745	Pass
		5200	1	17.769	Pass
			2	17.741	Pass
		5240	1	17.759	Pass
			2	17.721	Pass
802.11ac (VHT40)	SISO	5190	1	36.654	Pass
			2	36.290	Pass
		5230	1	36.657	Pass
			2	36.252	Pass
802.11ac (VHT80)	SISO	5210	1	74.766	Pass
			2	74.774	Pass
802.11ac (VHT20)	MIMO	5180	1	17.802	Pass
			2	17.740	Pass
		5200	1	17.811	Pass
			2	17.739	Pass
		5240	1	17.806	Pass
			2	17.726	Pass
802.11ac (VHT40)	MIMO	5190	1	36.661	Pass
			2	36.293	Pass
		5230	1	36.632	Pass
			2	36.269	Pass
802.11ac (VHT80)	MIMO	5210	1	74.793	Pass
			2	74.777	Pass

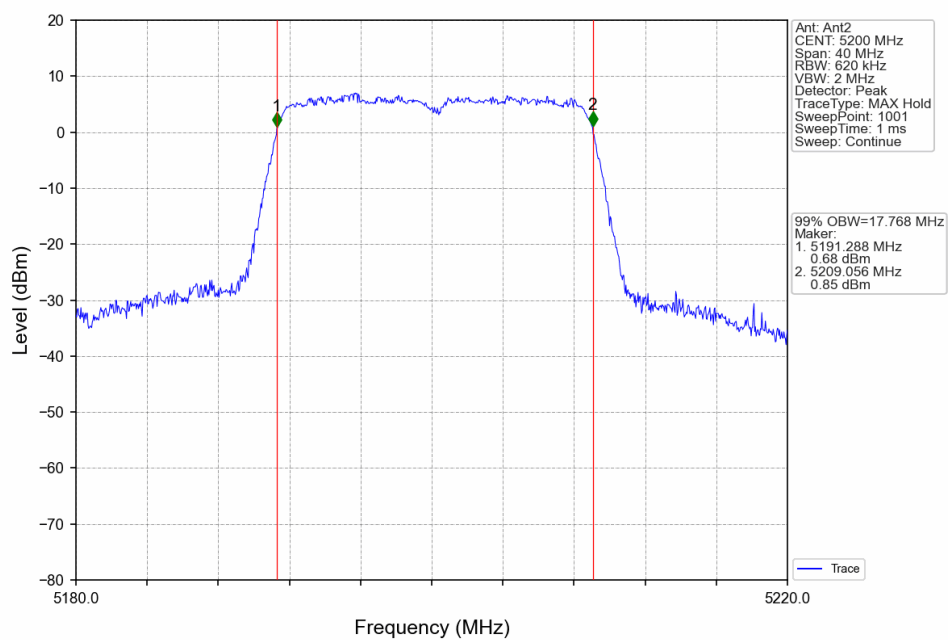
2.1.2 Test Graph



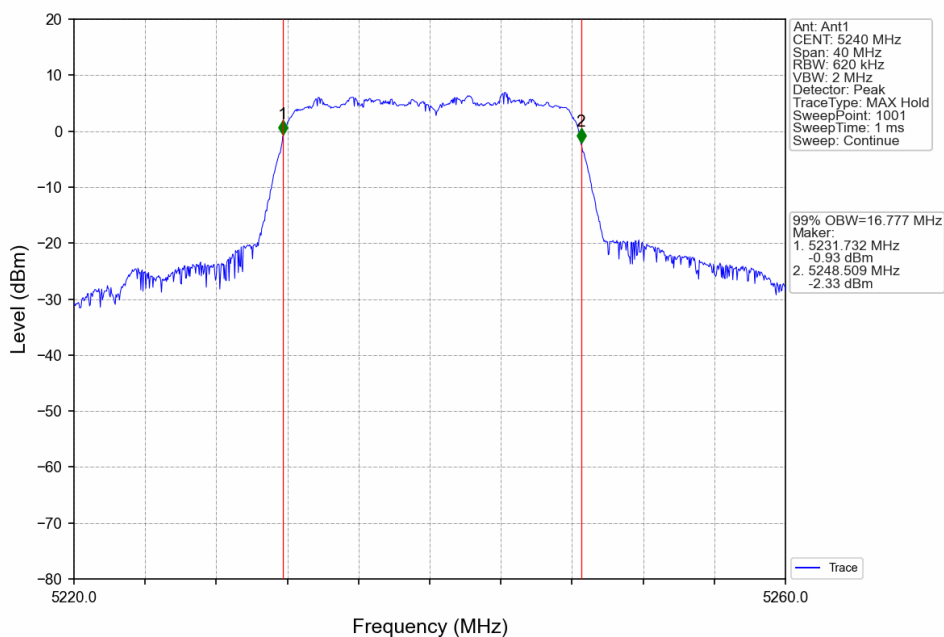
802.11a_MCH_5200MHz_Ant1_NTNV_SISO



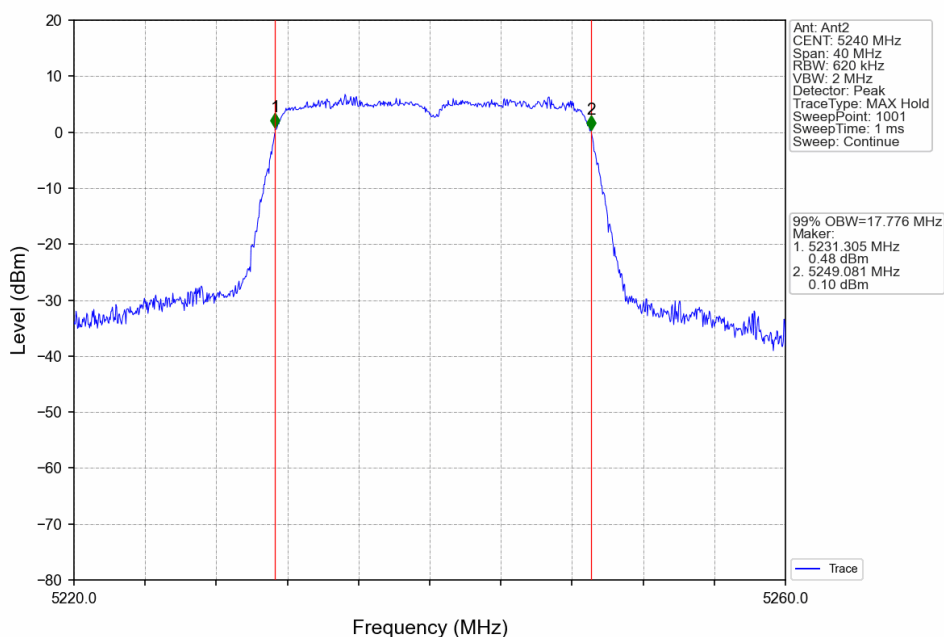
802.11a_MCH_5200MHz_Ant2_NTNV_SISO



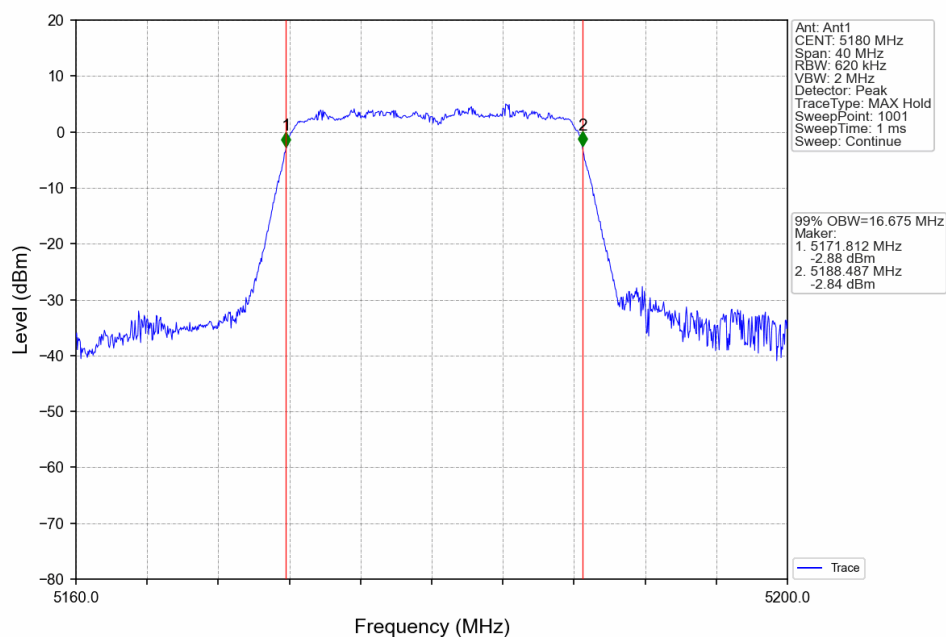
802.11a_HCH_5240MHz_Ant1_NTNV_SISO



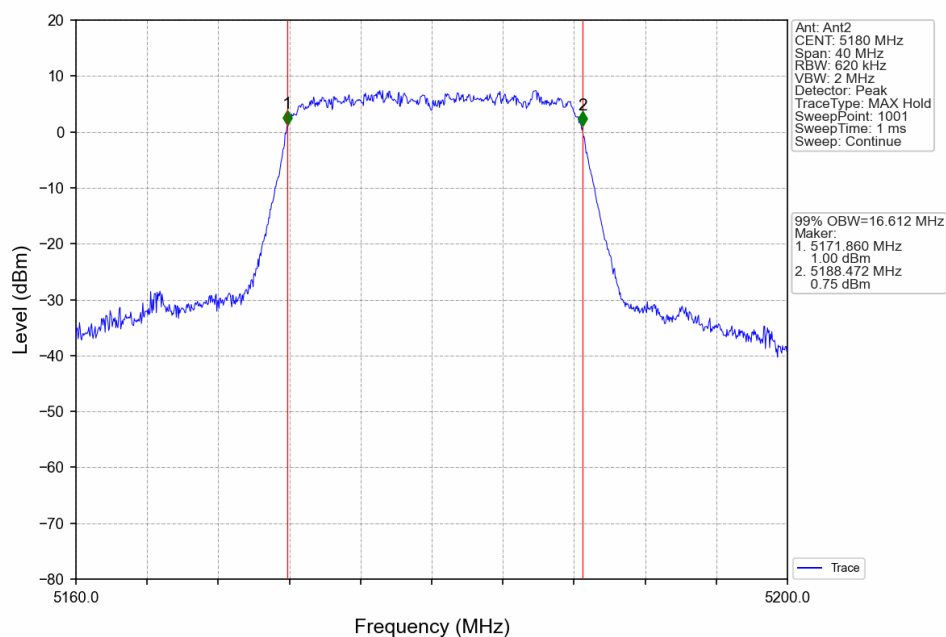
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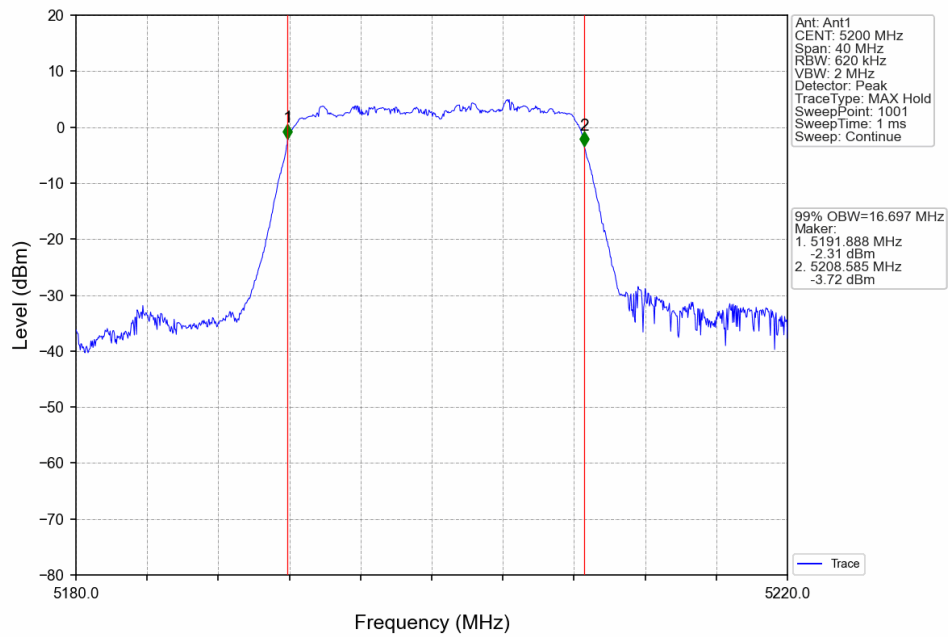
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV_SISO



802.11n(HT20)_LCH_5180MHz_Ant2_NTNV_SISO



802.11n(HT20)_MCH_5200MHz_Ant1_NTNV_SISO



802.11n(HT20)_MCH_5200MHz_Ant2_NTNV_SISO

