

Appendix RF Test Data for WIFI 5G

Company: : Huizhou Huizhi Technology Co., Ltd

EUT : WIFI MODULE

FCC ID: : 2BGY7-HZ02

Model Number : HZ-TA22UV1.0

Report No. : HTT2025061079F03

Reviewed By : Heber He

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	1.361	1.862	73.09	1.36	0.03
		5200	1.361	1.862	73.09	1.36	0.03
		5240	1.361	1.862	73.09	1.36	0.03
		5260	1.362	1.863	73.11	1.36	0.03
		5300	1.362	1.863	73.11	1.36	0.03
		5320	1.362	1.863	73.11	1.36	0.03
		5500	1.362	1.863	73.11	1.36	0.03
		5580	1.362	1.863	73.11	1.36	0.03
		5700	1.362	1.863	73.11	1.36	0.03
		5745	1.362	1.863	73.11	1.36	0.03
		5785	1.362	1.863	73.11	1.36	0.03
		5825	1.361	1.862	73.09	1.36	0.03
802.11n (HT20)	MIMO	5180	1.273	1.774	71.76	1.44	0.03
		5200	1.273	1.774	71.76	1.44	0.03
		5240	1.273	1.774	71.76	1.44	0.03
		5260	1.273	1.774	71.76	1.44	0.03
		5300	1.274	1.775	71.77	1.44	0.02
		5320	1.274	1.775	71.77	1.44	0.03
		5500	1.274	1.775	71.77	1.44	0.02
		5580	1.273	1.774	71.76	1.44	0.03
		5700	1.274	1.775	71.77	1.44	0.02
		5745	1.274	1.774	71.82	1.44	0.01
		5785	1.274	1.775	71.77	1.44	0.02
		5825	1.274	1.775	71.77	1.44	0.02
802.11n (HT40)	MIMO	5190	0.634	1.134	55.91	2.53	0.03
		5230	0.634	1.134	55.91	2.53	0.03
		5270	0.634	1.134	55.91	2.53	0.01
		5310	0.634	1.134	55.91	2.53	0.03
		5510	0.634	1.134	55.91	2.53	0.03
		5550	0.634	1.134	55.91	2.53	0.03
		5670	0.634	1.135	55.86	2.53	0.03
		5755	0.633	1.134	55.82	2.53	0.01
		5795	0.634	1.134	55.91	2.53	0.03
802.11ac (VHT20)	MIMO	5180	1.273	1.774	71.76	1.44	0.03
		5200	1.274	1.775	71.77	1.44	0.03
		5240	1.274	1.775	71.77	1.44	0.02
		5260	1.277	1.777	71.86	1.43	0.01
		5300	1.277	1.778	71.82	1.44	0.03
		5320	1.277	1.778	71.82	1.44	0.01
		5500	1.277	1.778	71.82	1.44	0.03
		5580	1.278	1.779	71.84	1.44	0.03
		5700	1.278	1.779	71.84	1.44	0.03
		5745	1.277	1.778	71.82	1.44	0.01
		5785	1.277	1.778	71.82	1.44	0.03
		5825	1.277	1.778	71.82	1.44	0.03
802.11ac (VHT40)	MIMO	5190	0.633	1.134	55.82	2.53	0.01
		5230	0.633	1.134	55.82	2.53	0.03
		5270	0.638	1.138	56.06	2.51	0.01
		5310	0.638	1.138	56.06	2.51	0.01

		5510	0.637	1.138	55.98	2.52	0.01
		5550	0.638	1.138	56.06	2.51	0.01
		5670	0.637	1.138	55.98	2.52	0.01
		5755	0.637	1.138	55.98	2.52	0.03
		5795	0.638	1.139	56.01	2.52	0.03
802.11ac (VHT80)	MIMO	5210	0.318	0.819	38.83	4.11	0.03
		5290	0.318	0.818	38.88	4.10	0.03
		5530	0.318	0.818	38.88	4.10	0.03
		5610	0.318	0.818	38.88	4.10	0.03
		5775	0.318	0.819	38.83	4.11	0.03

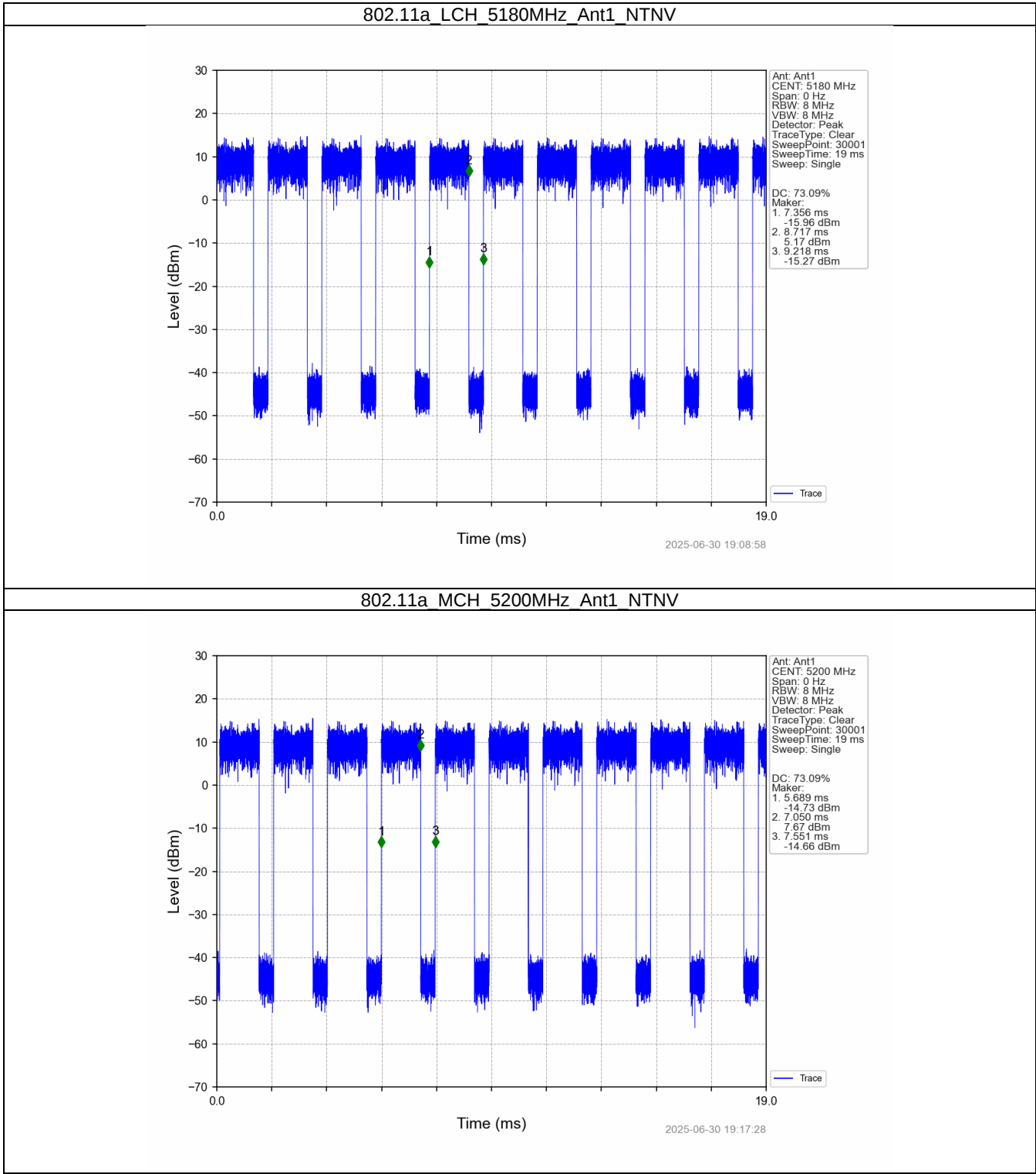
1.1.2 Ant2

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	1.362	1.863	73.11	1.36	0.02
		5200	1.362	1.863	73.11	1.36	0.02
		5240	1.362	1.862	73.15	1.36	0.03
		5260	1.362	1.863	73.11	1.36	0.03
		5300	1.362	1.863	73.11	1.36	0.02
		5320	1.362	1.862	73.15	1.36	0.03
		5500	1.361	1.862	73.09	1.36	0.03
		5580	1.361	1.862	73.09	1.36	0.03
		5700	1.362	1.863	73.11	1.36	0.03
		5745	1.362	1.863	73.11	1.36	0.03
		5785	1.362	1.863	73.11	1.36	0.02
		5825	1.361	1.862	73.09	1.36	0.03
802.11n (HT20)	MIMO	5180	1.274	1.775	71.77	1.44	0.03
		5200	1.273	1.774	71.76	1.44	0.03
		5240	1.273	1.774	71.76	1.44	0.03
		5260	1.273	1.774	71.76	1.44	0.03
		5300	1.274	1.775	71.77	1.44	0.02
		5320	1.273	1.774	71.76	1.44	0.03
		5500	1.273	1.774	71.76	1.44	0.03
		5580	1.273	1.774	71.76	1.44	0.03
		5700	1.274	1.775	71.77	1.44	0.03
		5745	1.273	1.774	71.76	1.44	0.03
		5785	1.274	1.775	71.77	1.44	0.02
		5825	1.273	1.774	71.76	1.44	0.03
802.11n (HT40)	MIMO	5190	0.633	1.134	55.82	2.53	0.01
		5230	0.634	1.134	55.91	2.53	0.03
		5270	0.634	1.134	55.91	2.53	0.01
		5310	0.633	1.134	55.82	2.53	0.05
		5510	0.633	1.134	55.82	2.53	0.03
		5550	0.633	1.134	55.82	2.53	0.03
		5670	0.633	1.134	55.82	2.53	0.05
		5755	0.633	1.134	55.82	2.53	0.03
		5795	0.634	1.135	55.86	2.53	0.03
802.11ac (VHT20)	MIMO	5180	1.274	1.775	71.77	1.44	0.03
		5200	1.273	1.774	71.76	1.44	0.03
		5240	1.274	1.775	71.77	1.44	0.02
		5260	1.278	1.779	71.84	1.44	0.03
		5300	1.277	1.778	71.82	1.44	0.03
		5320	1.277	1.778	71.82	1.44	0.03
		5500	1.277	1.778	71.82	1.44	0.03
		5580	1.278	1.779	71.84	1.44	0.03
		5700	1.278	1.779	71.84	1.44	0.03

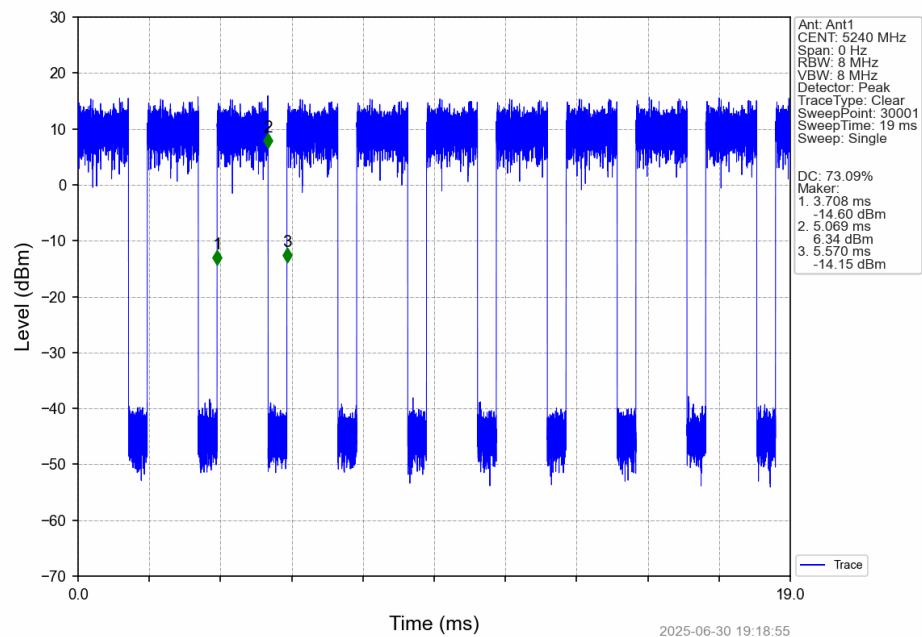
		5745	1.277	1.778	71.82	1.44	0.03
		5785	1.277	1.778	71.82	1.44	0.03
		5825	1.278	1.779	71.84	1.44	0.03
802.11ac (VHT40)	MIMO	5190	0.634	1.135	55.86	2.53	0.03
		5230	0.633	1.134	55.82	2.53	0.03
		5270	0.638	1.138	56.06	2.51	0.01
		5310	0.638	1.139	56.01	2.52	0.03
		5510	0.638	1.139	56.01	2.52	0.02
		5550	0.638	1.139	56.01	2.52	0.02
		5670	0.637	1.138	55.98	2.52	0.03
		5755	0.637	1.138	55.98	2.52	0.05
		5795	0.638	1.139	56.01	2.52	0.02
802.11ac (VHT80)	MIMO	5210	0.318	0.819	38.83	4.11	0.02
		5290	0.317	0.818	38.75	4.12	0.02
		5530	0.318	0.818	38.88	4.10	0.02
		5610	0.318	0.818	38.88	4.10	0.02
		5775	0.318	0.818	38.88	4.10	0.03

1.2 Test Graph

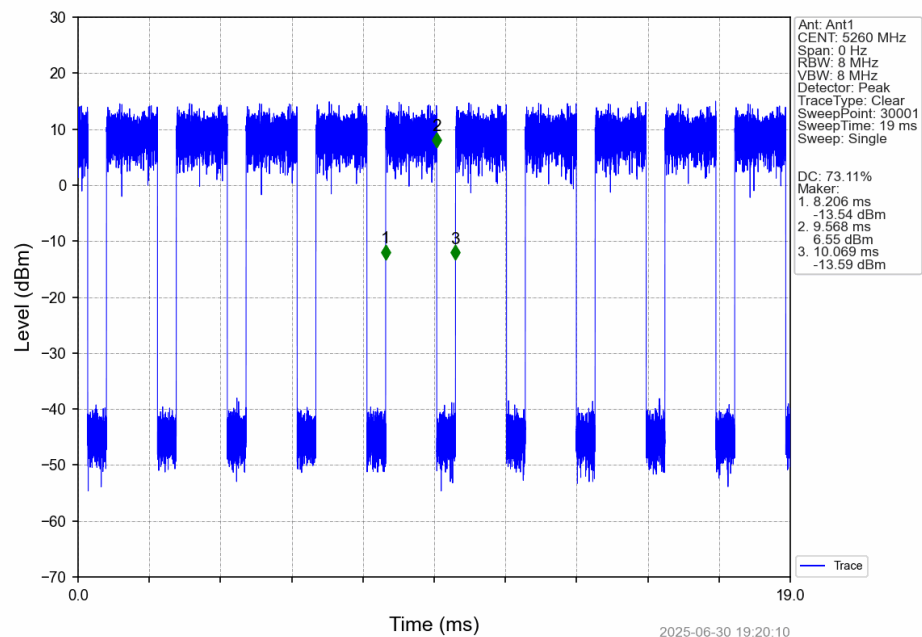
1.2.1 Ant1



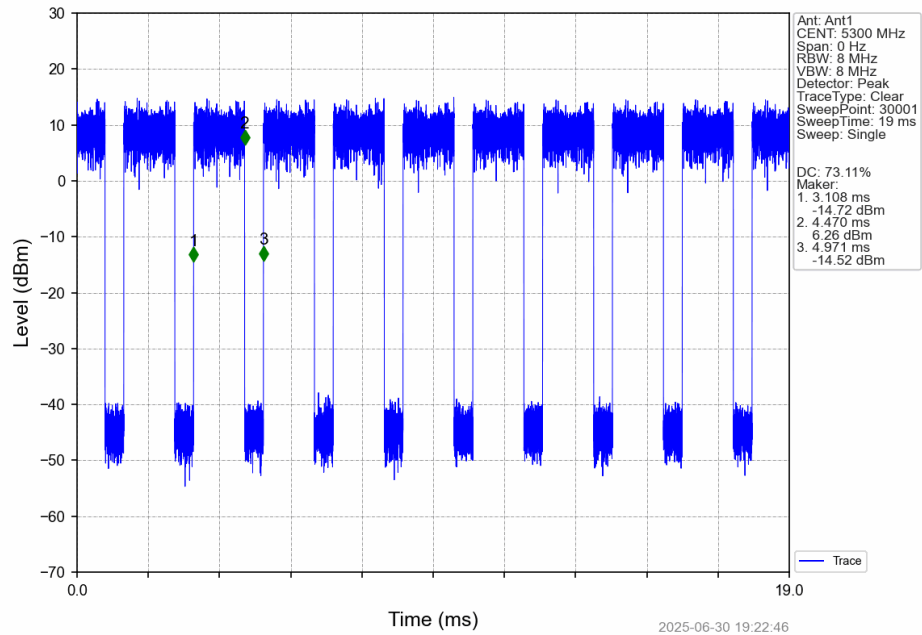
802.11a_HCH_5240MHz_Ant1_NTNV



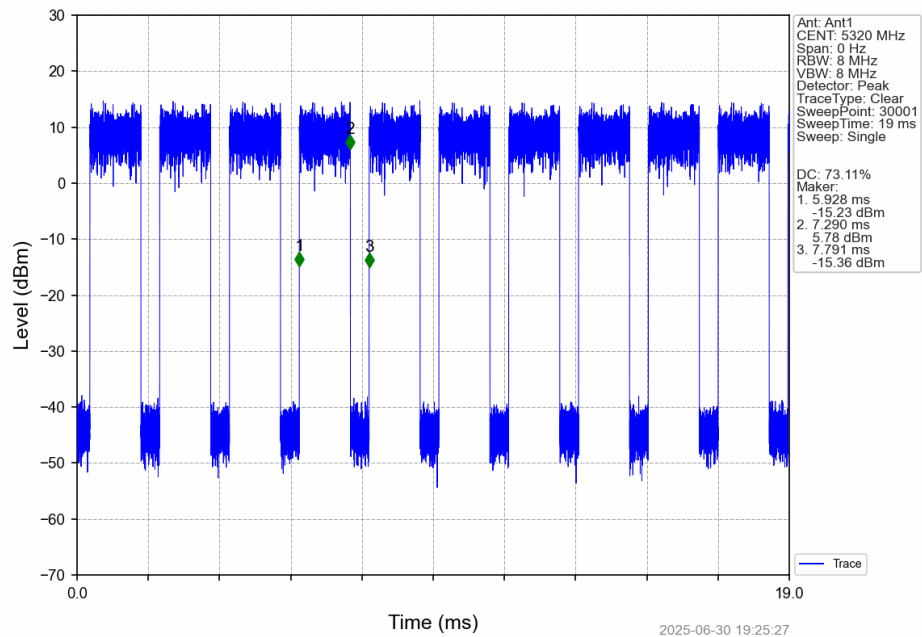
802.11a_LCH_5260MHz_Ant1_NTNV



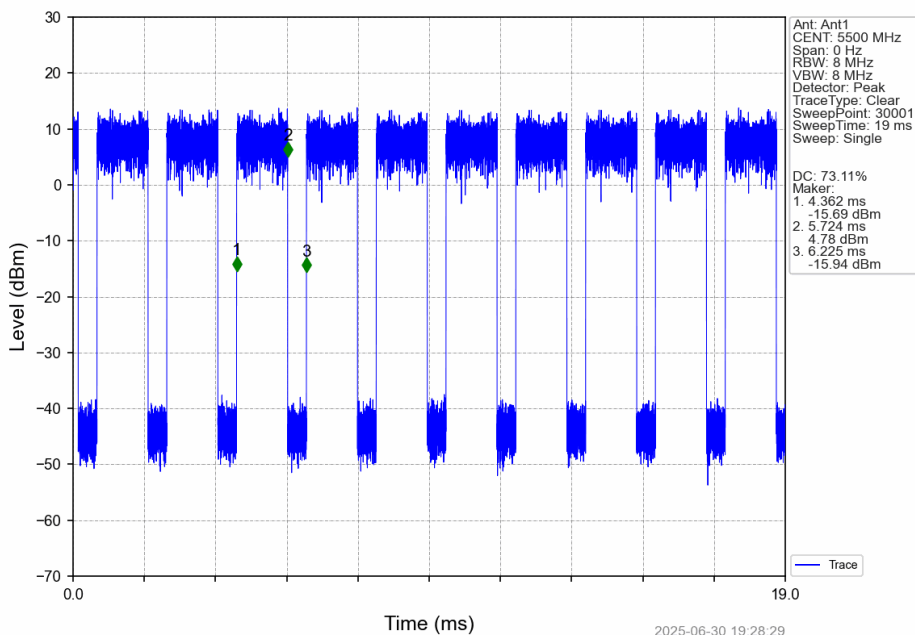
802.11a_MCH_5300MHz_Ant1_NTNV



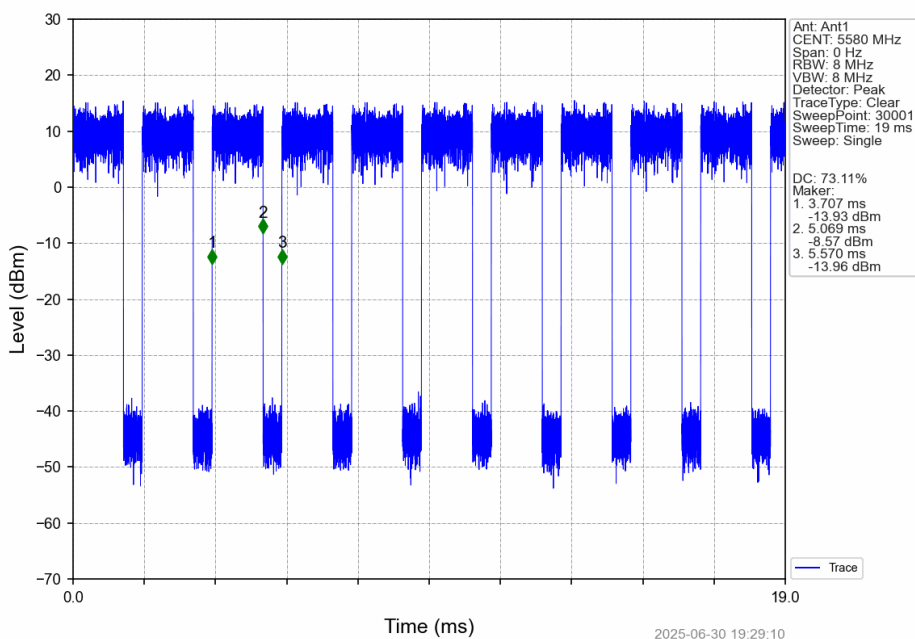
802.11a_HCH_5320MHz_Ant1_NTNV



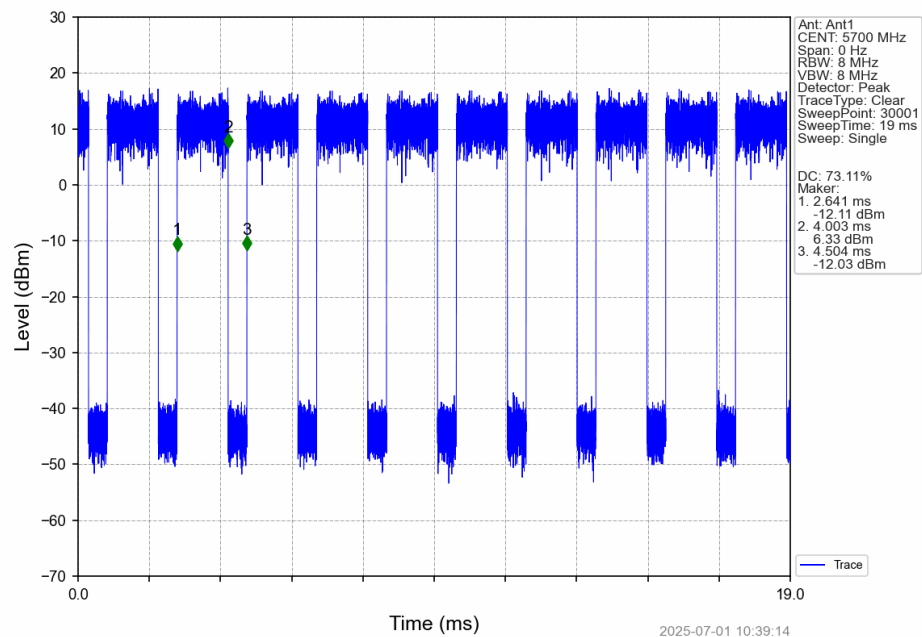
802.11a LCH 5500MHz Ant1 NTN



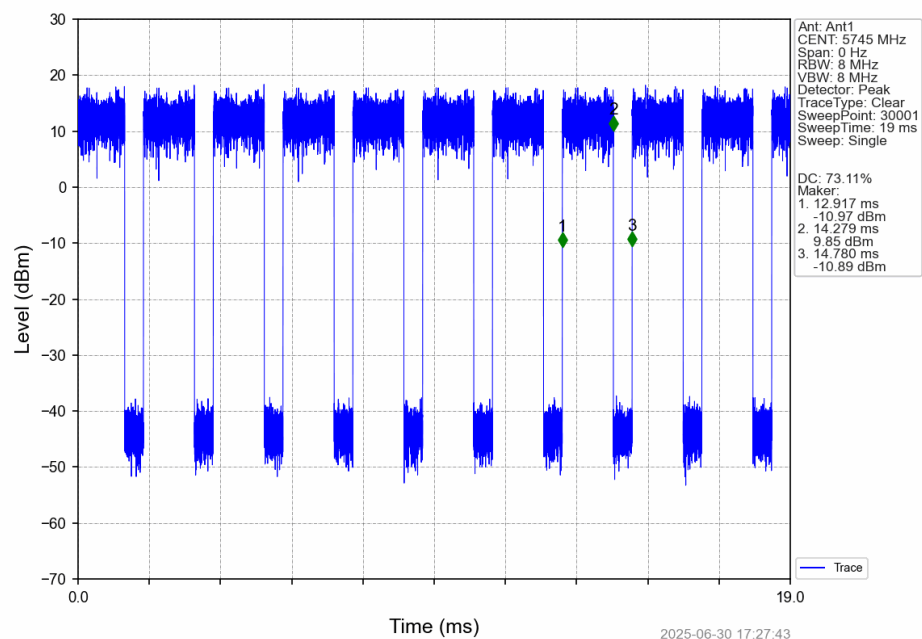
802.11a_MCH_5580MHz_Ant1_NTN



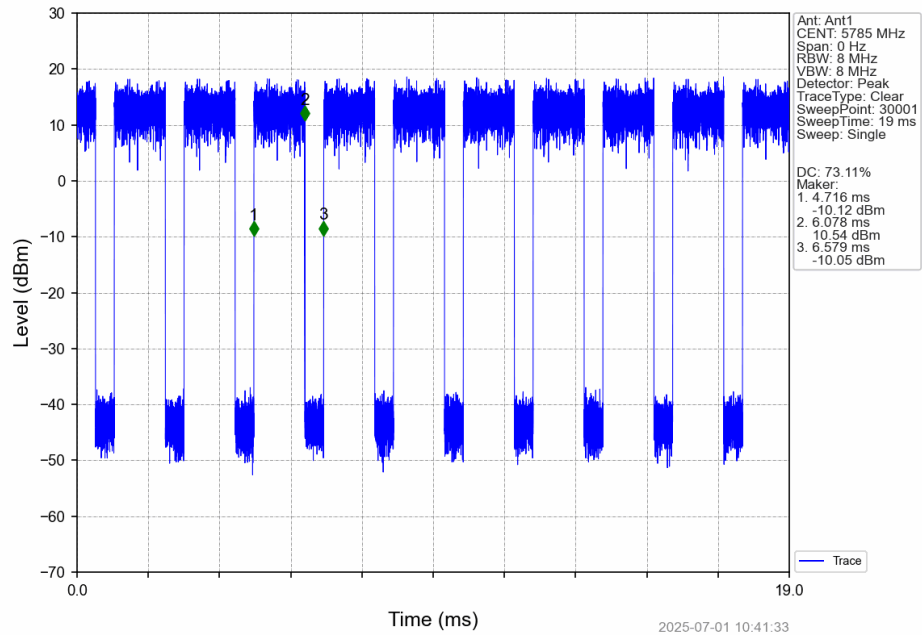
802.11a_HCH_5700MHz_Ant1_NTNV



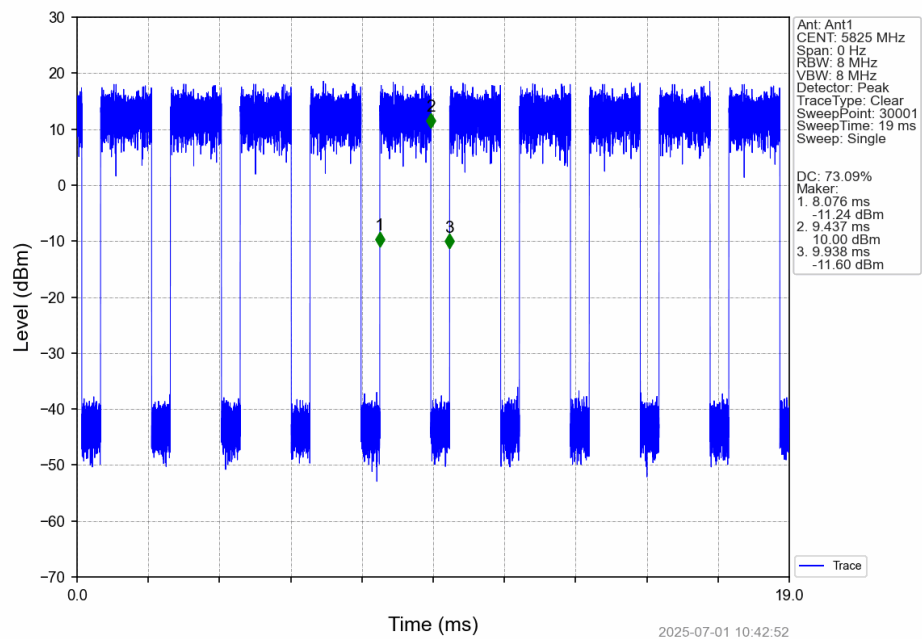
802.11a_LCH_5745MHz_Ant1_NTNV



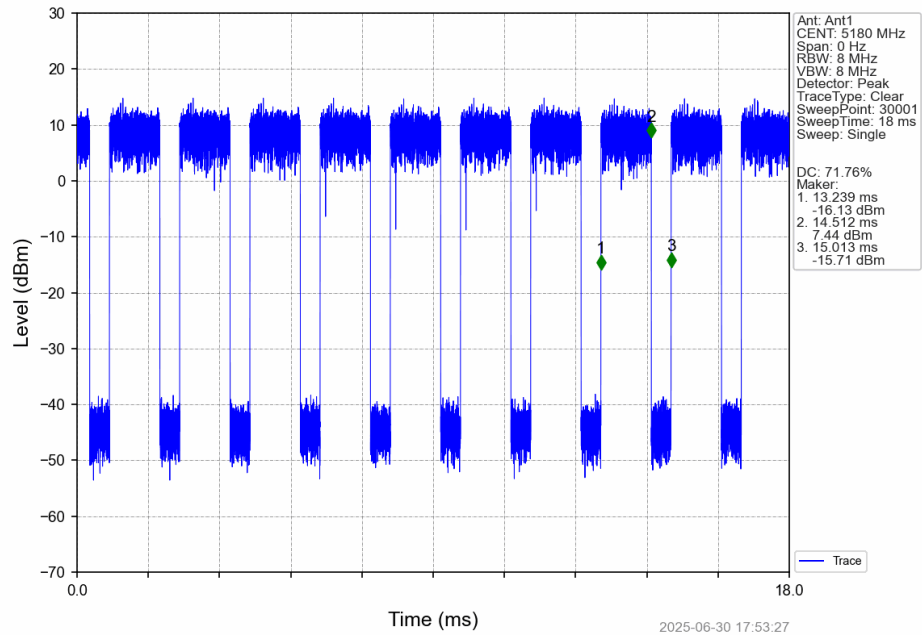
802.11a MCH 5785MHz Ant1 NTN



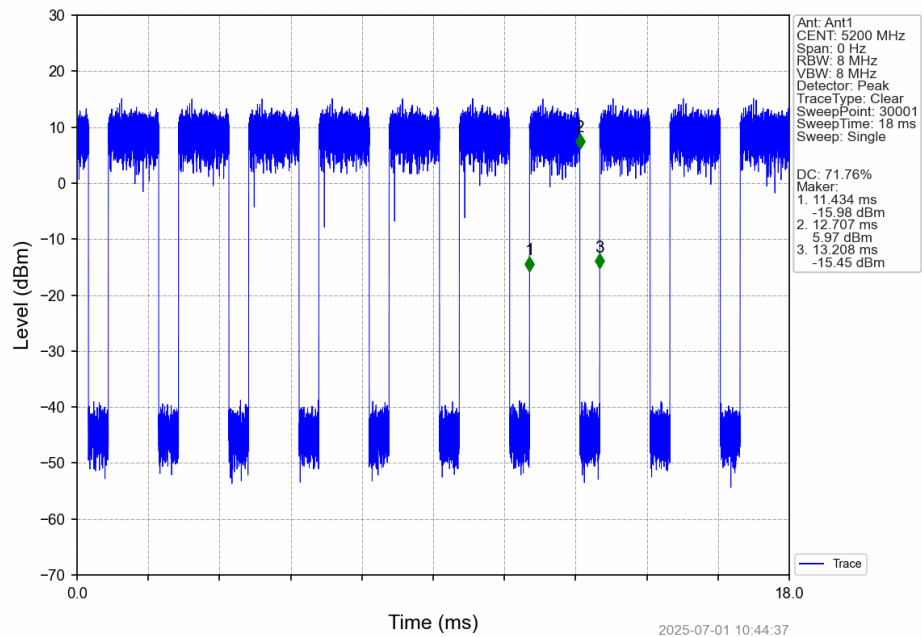
802.11a_HCH_5825MHz_Ant1_NTNV



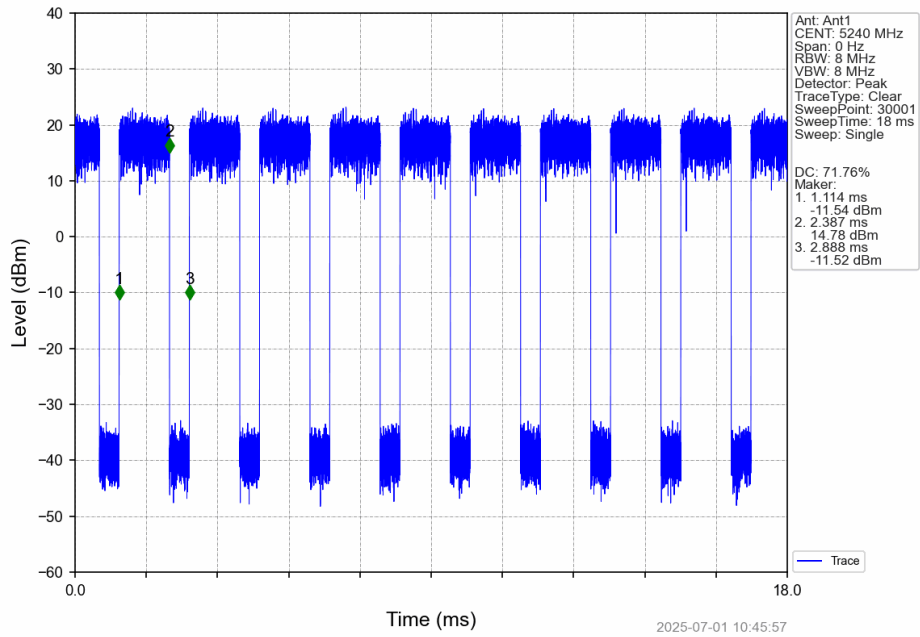
802.11n(HT20) LCH 5180MHz Ant1 NTN



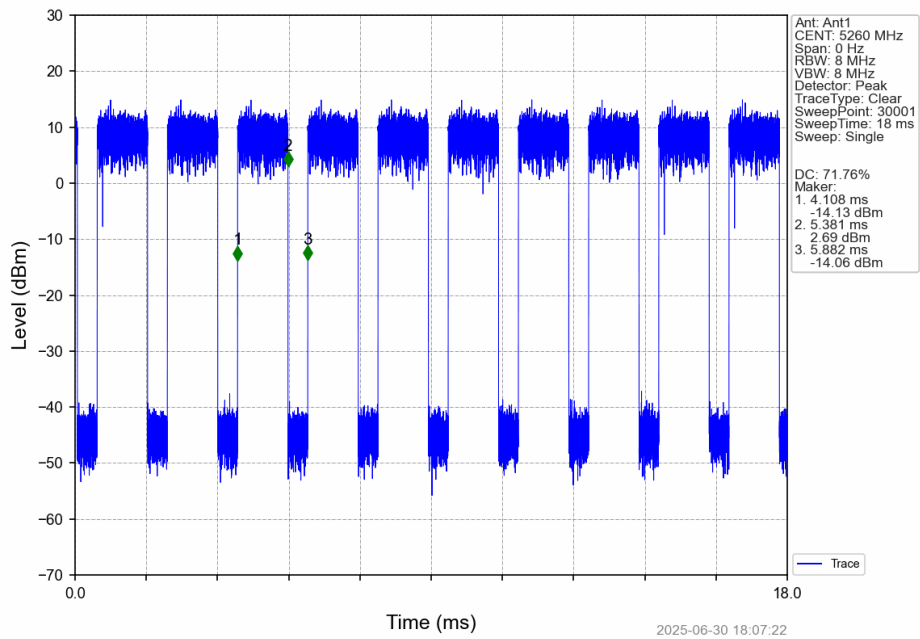
802.11n(HT20)_MCH_5200MHz_Ant1_NTN



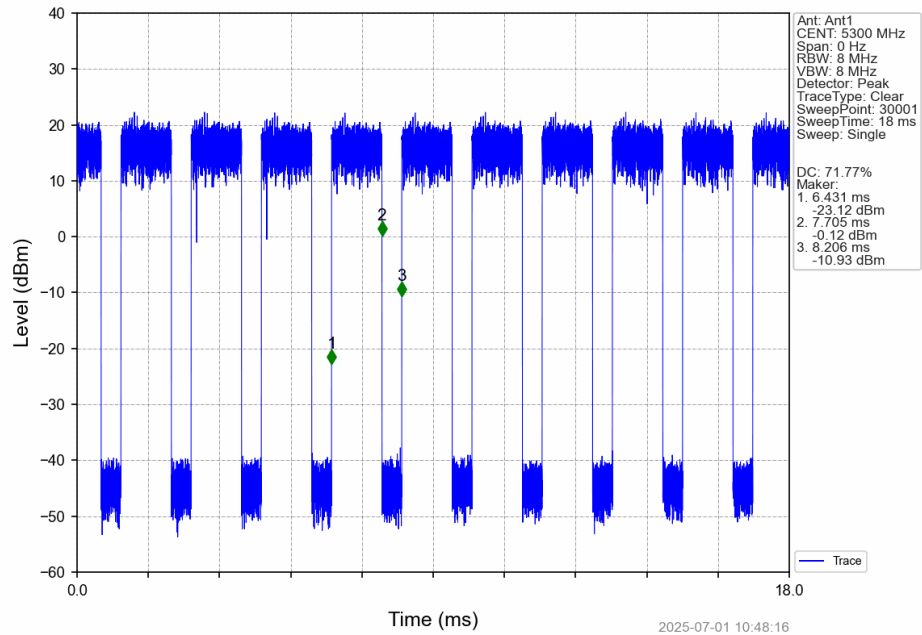
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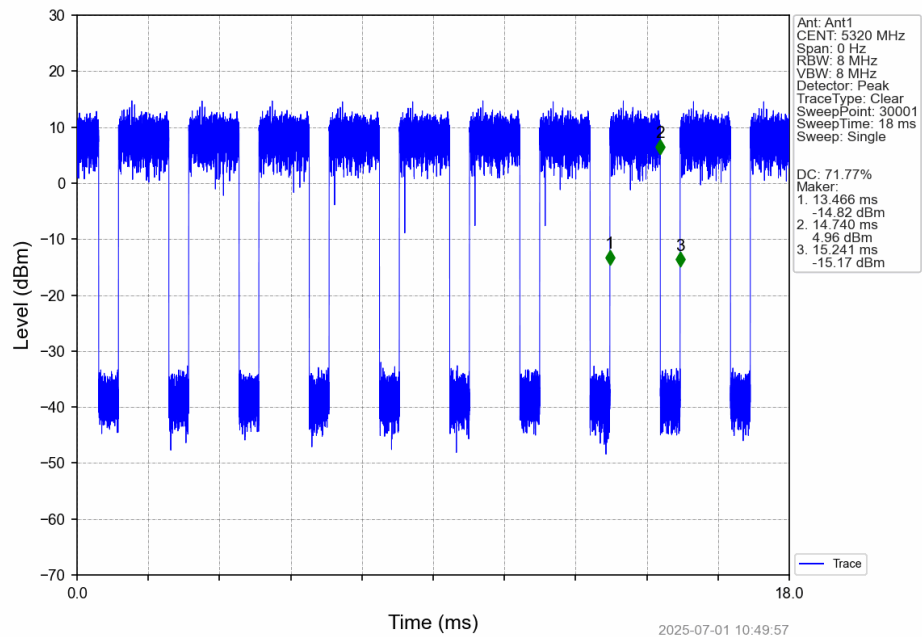
802.11n(HT20)_LCH_5260MHz_Ant1_NTN



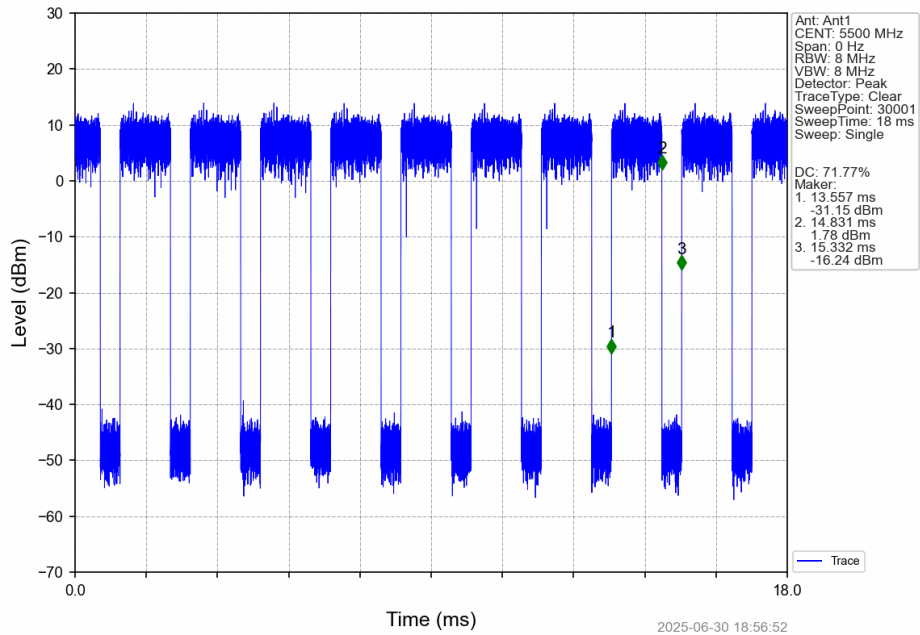
802.11n(HT20) MCH 5300MHz Ant1 NTN



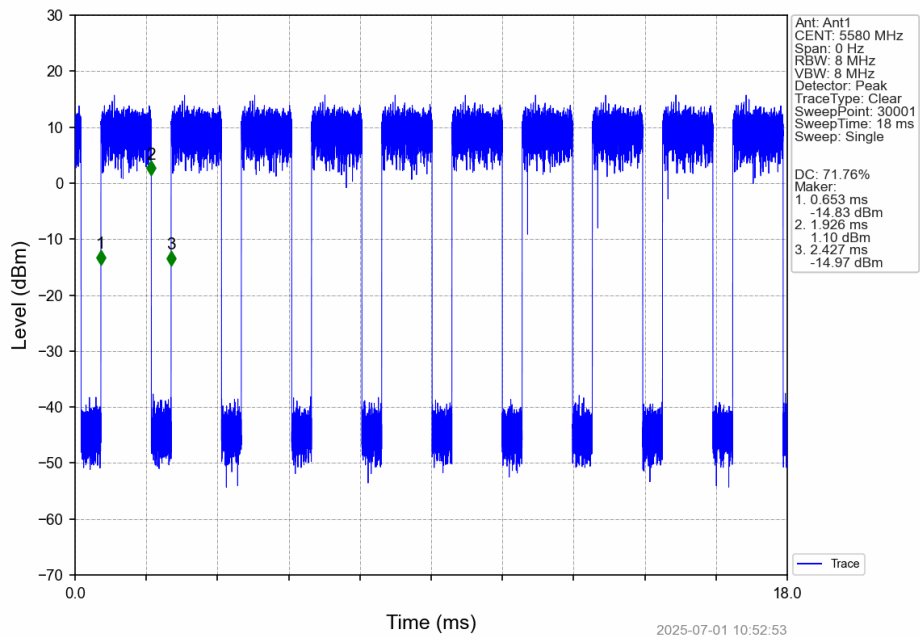
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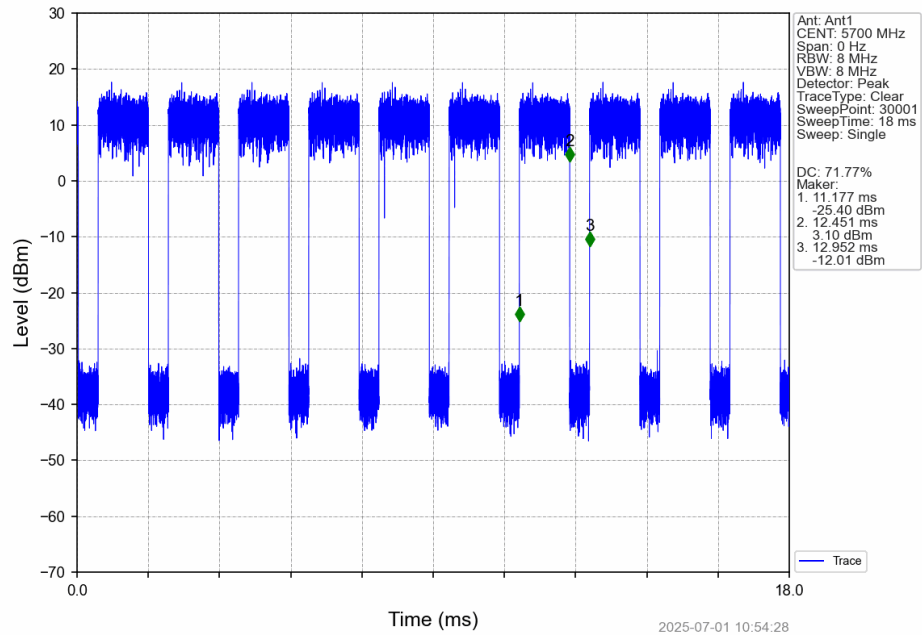
802.11n(HT20) LCH 5500MHz Ant1 NTN



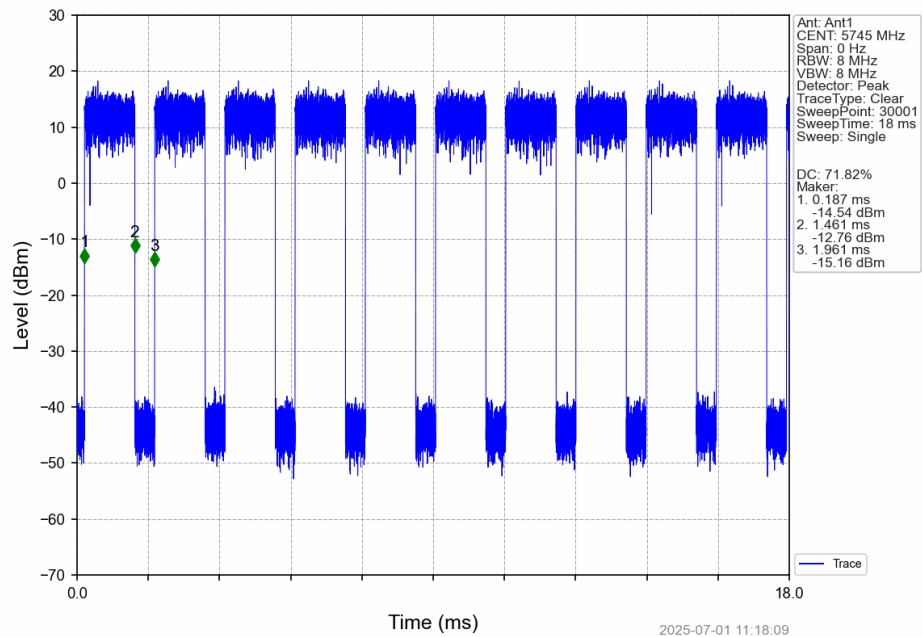
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



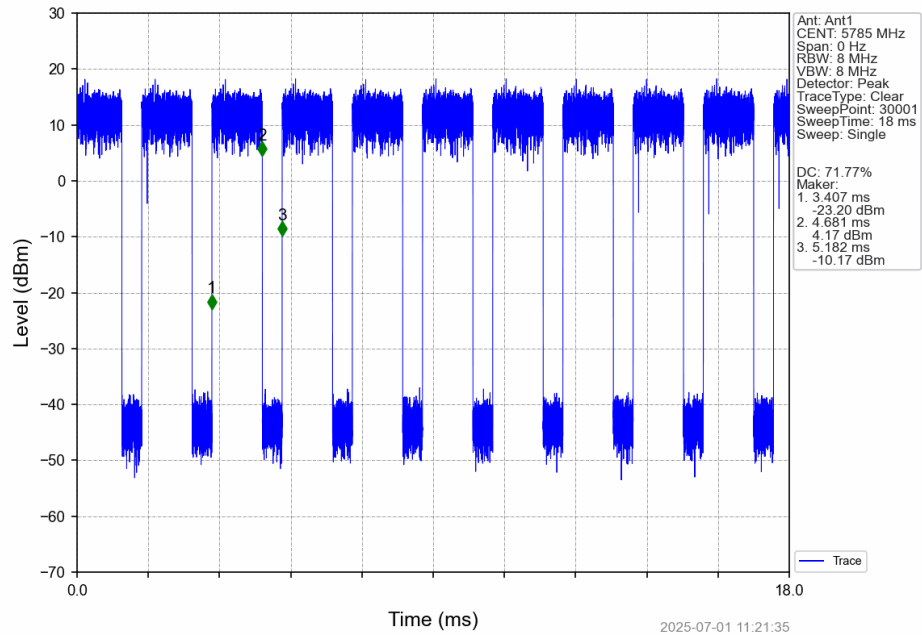
802.11n(HT20) HCH 5700MHz Ant1 NTN



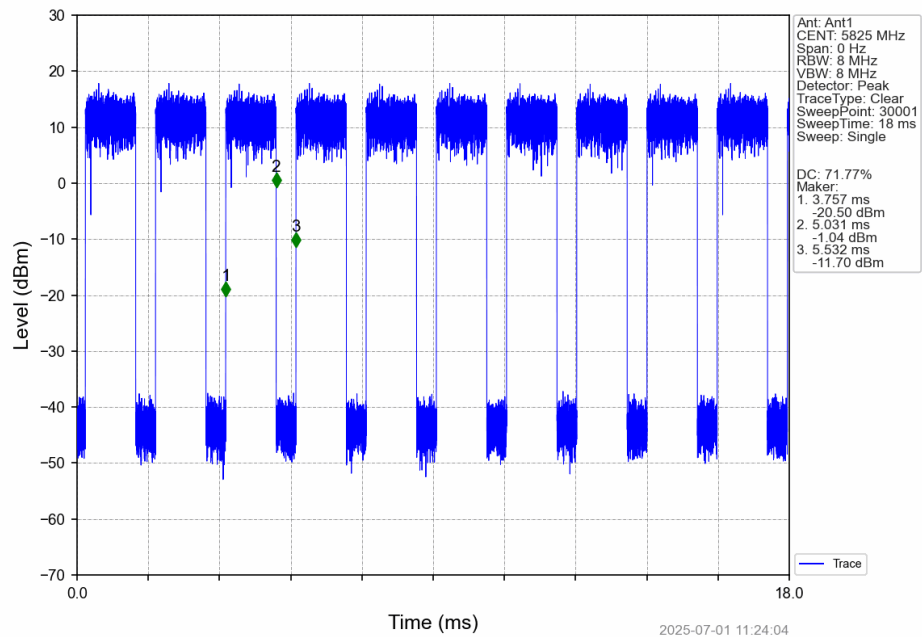
802.11n(HT20)_LCH_5745MHz_Ant1_NTN



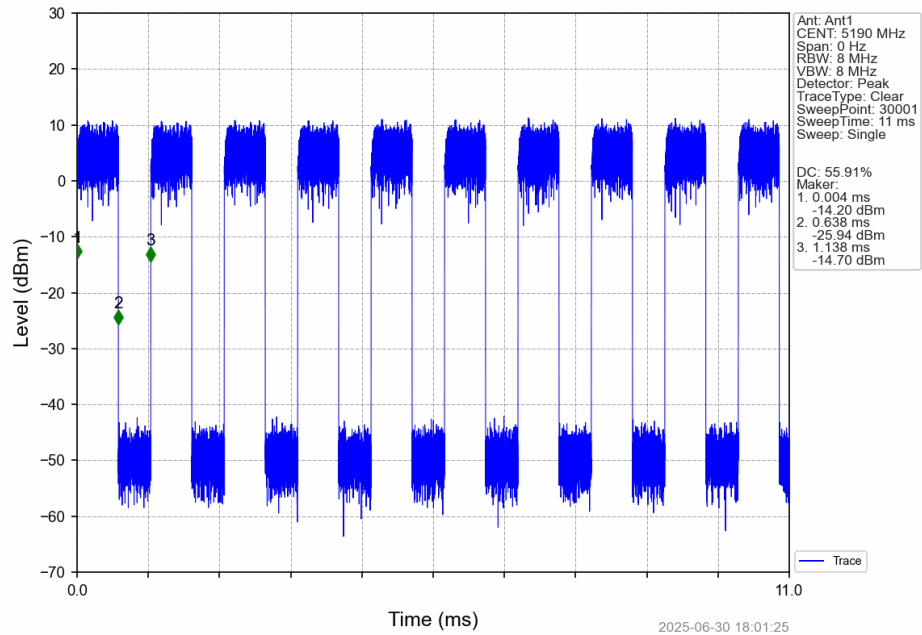
802.11n(HT20) MCH 5785MHz Ant1 NTN



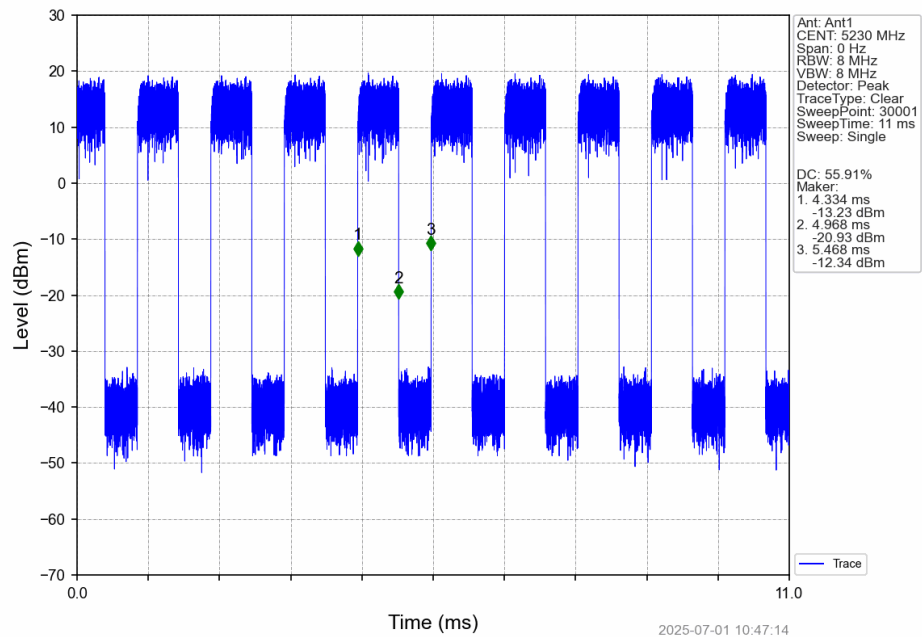
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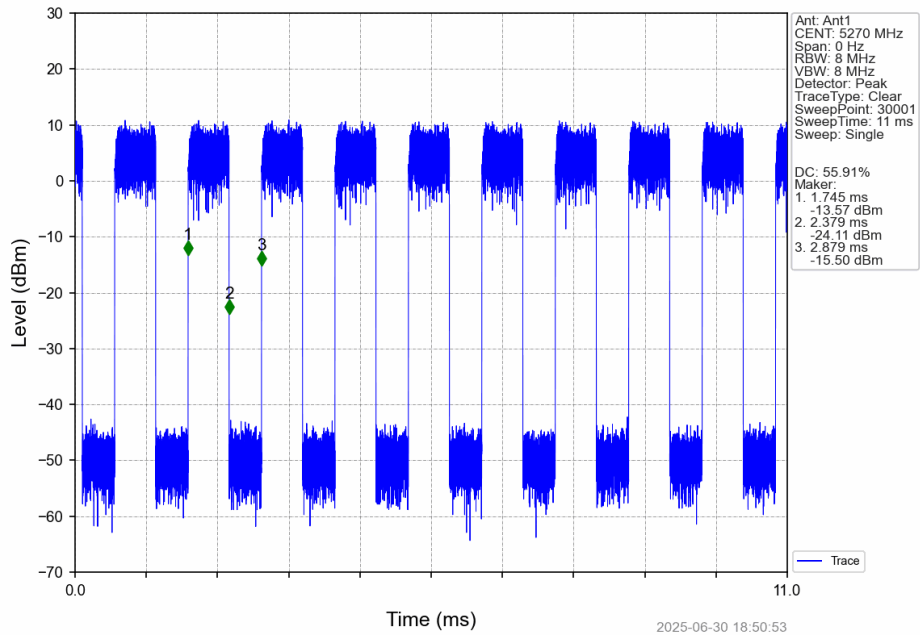
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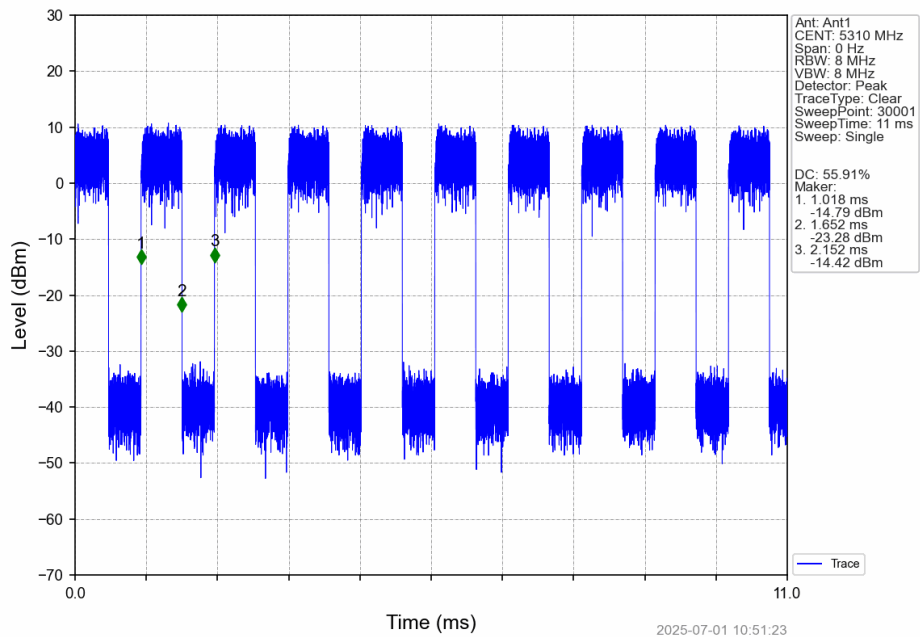
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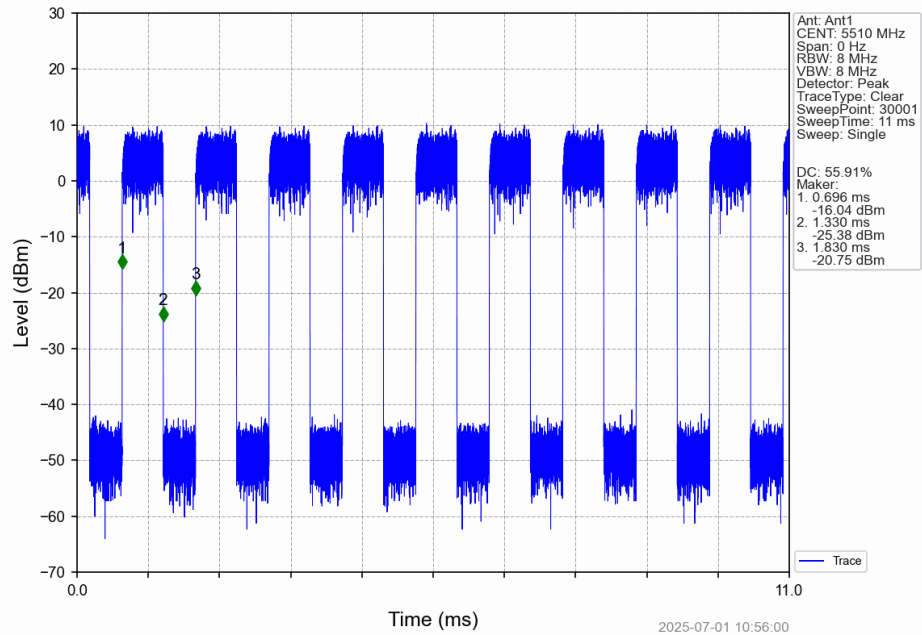
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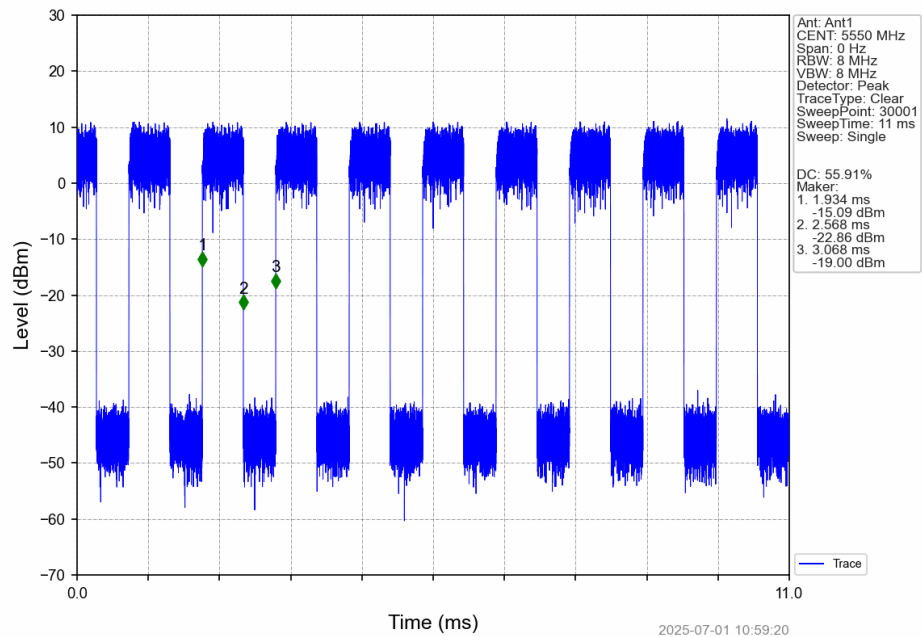
802.11n(HT40)_HCH_5310MHz_Ant1_NTN



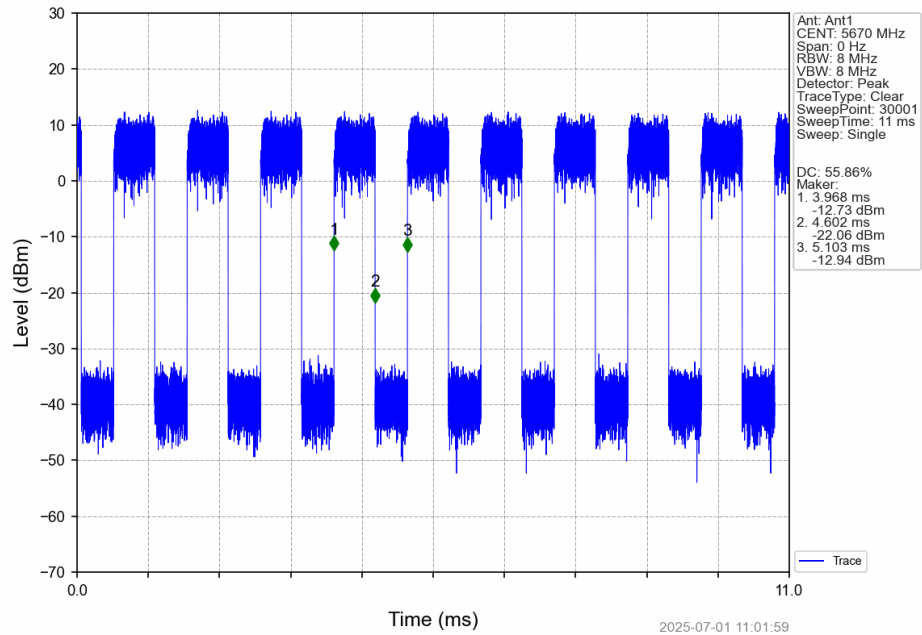
802.11n(HT40) LCH 5510MHz Ant1 NTN



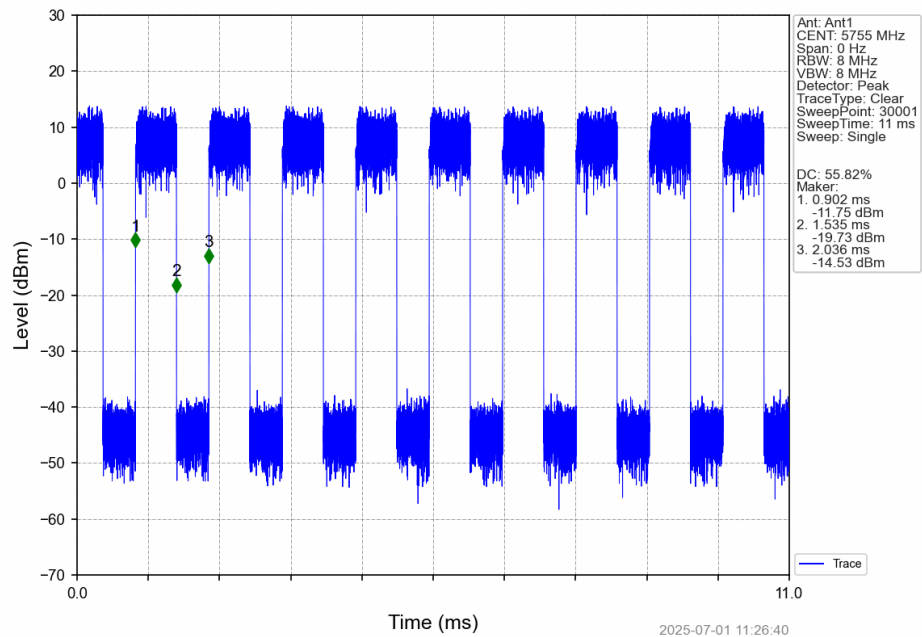
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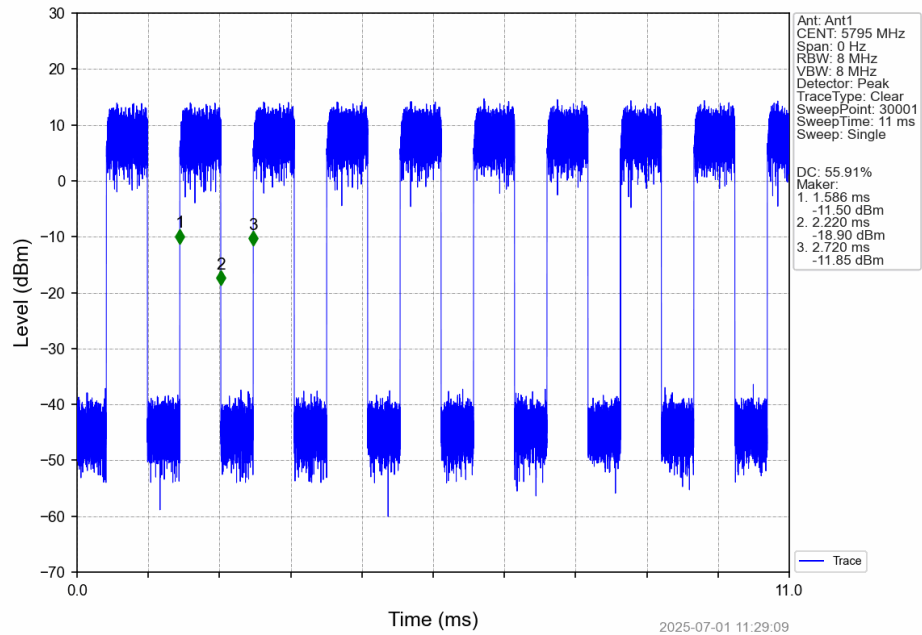
802.11n(HT40) HCH 5670MHz Ant1 NTN



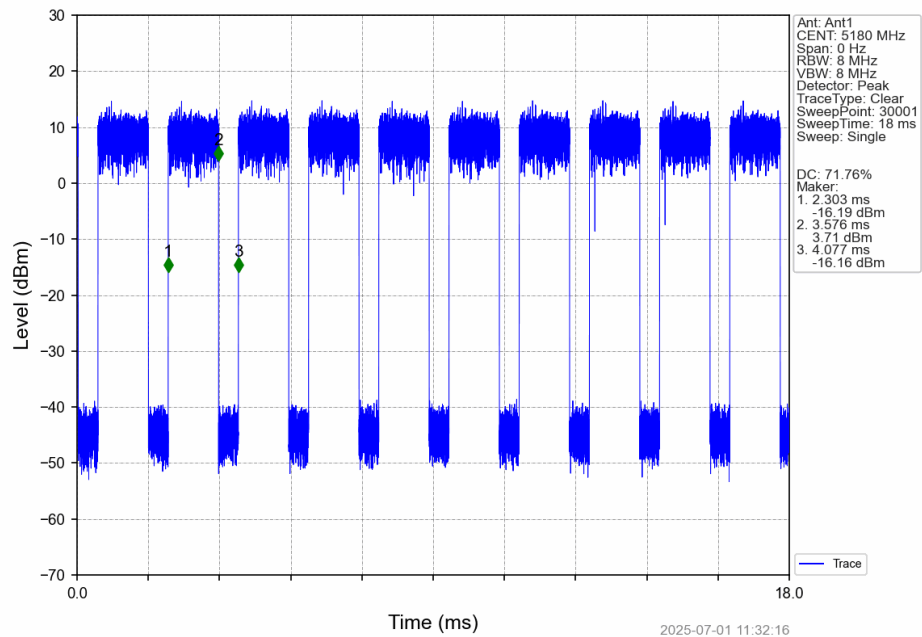
802.11n(HT40)_LCH_5755MHz_Ant1_NTN



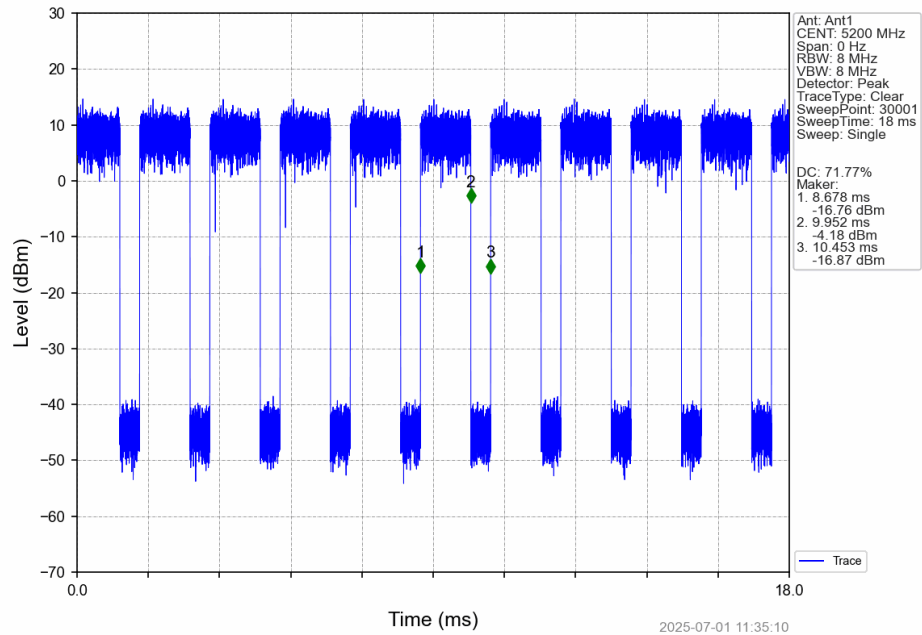
802.11n(HT40) HCH 5795MHz Ant1 NTN



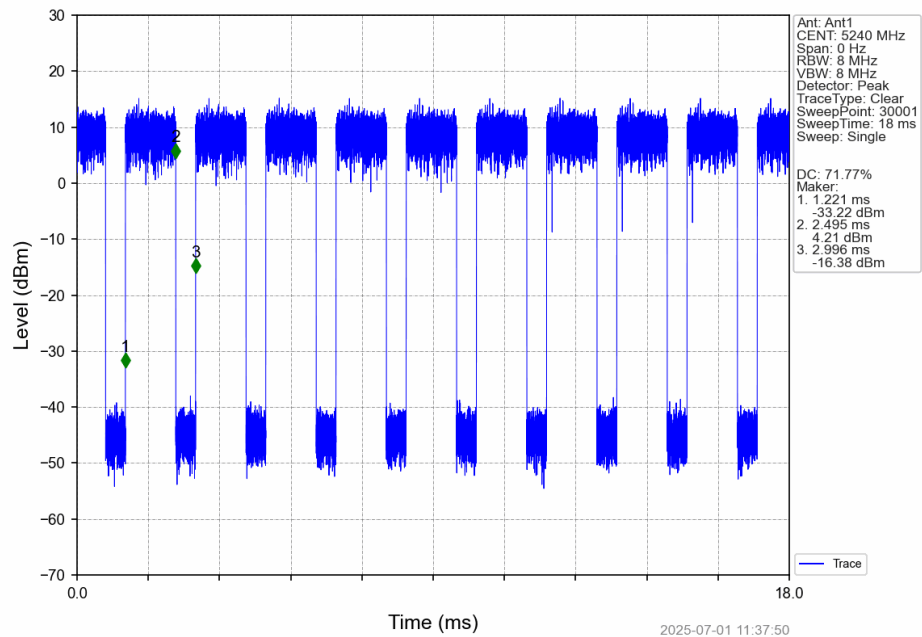
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTN



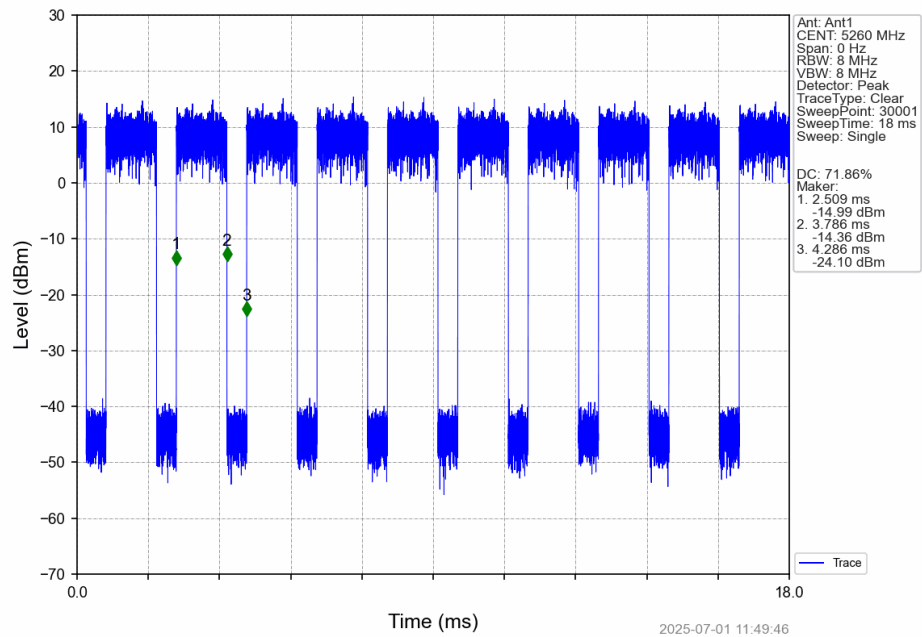
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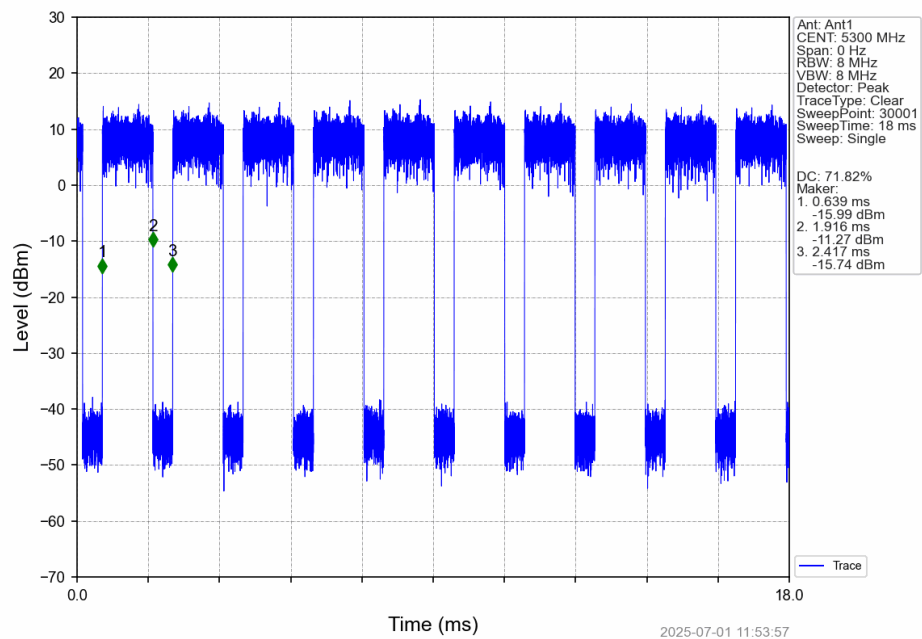
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTN



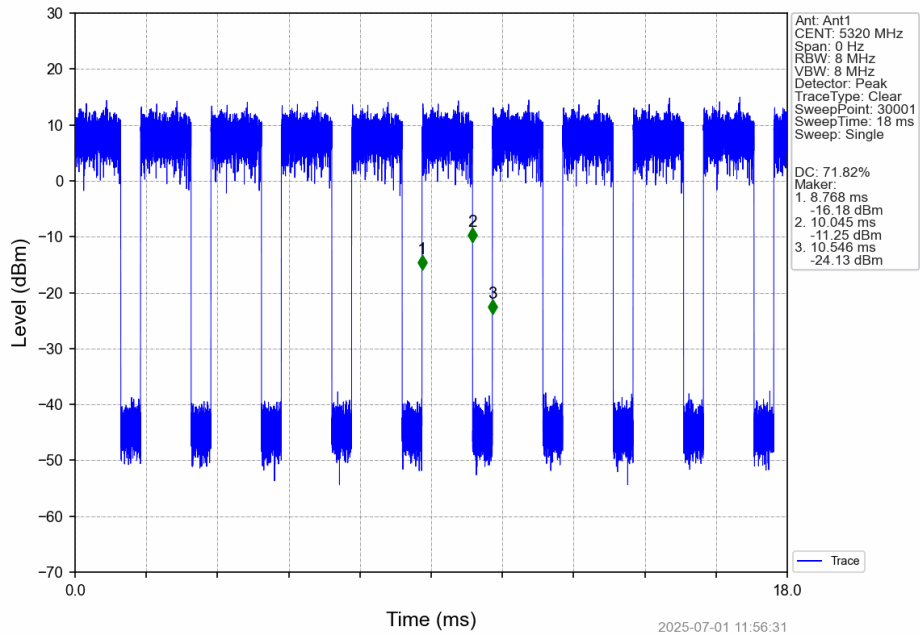
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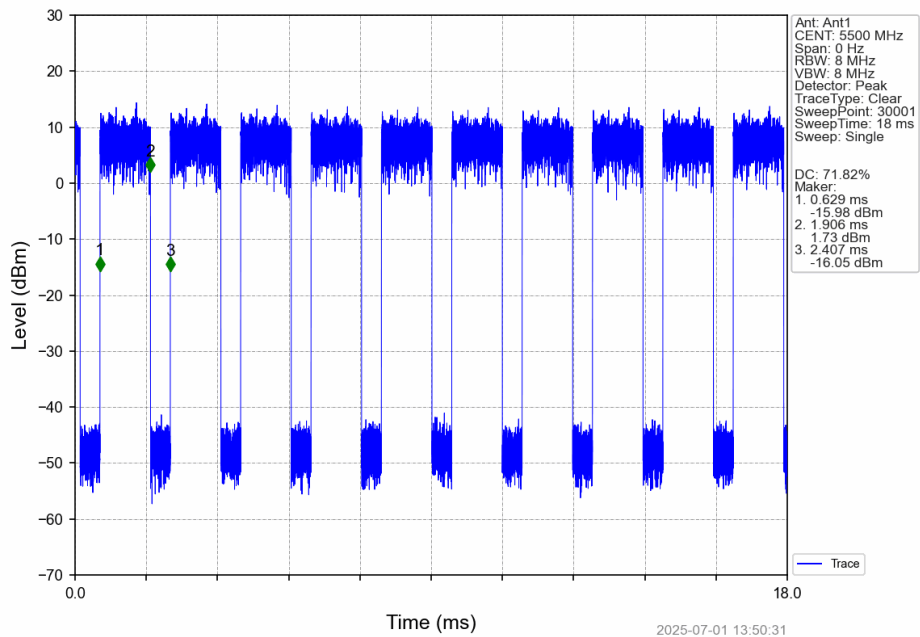
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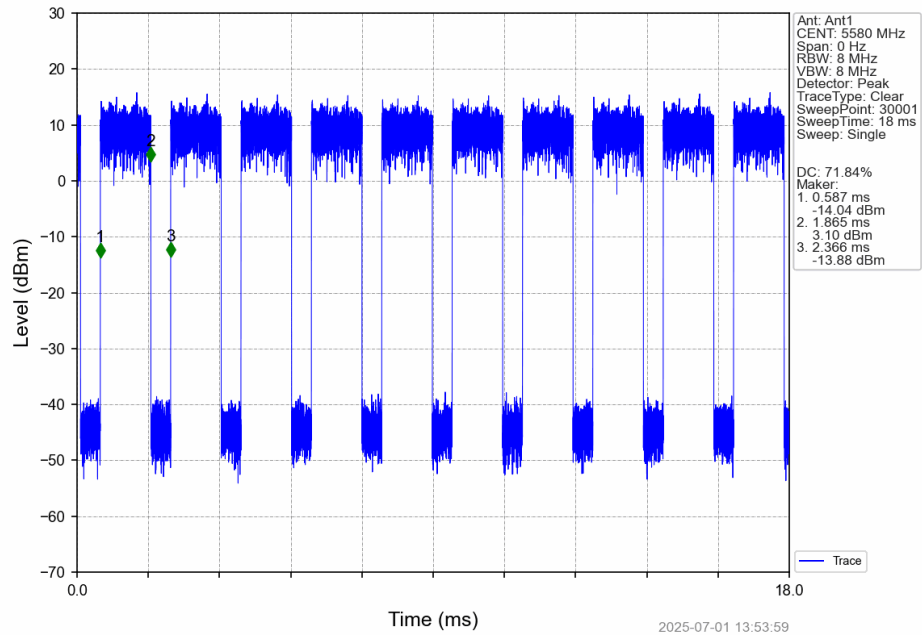
802.11ac(VHT20) HCH 5320MHz Ant1 NTN



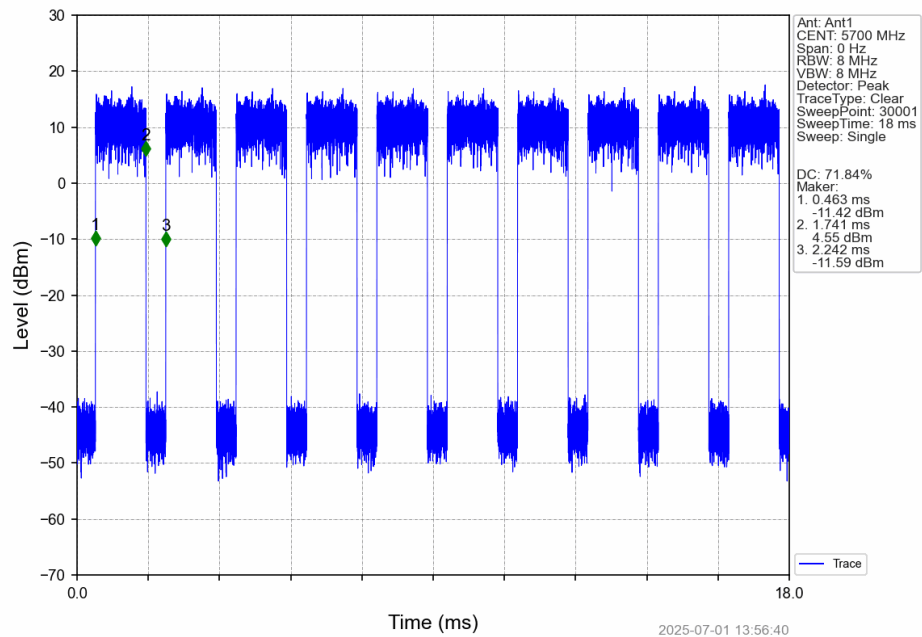
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTN



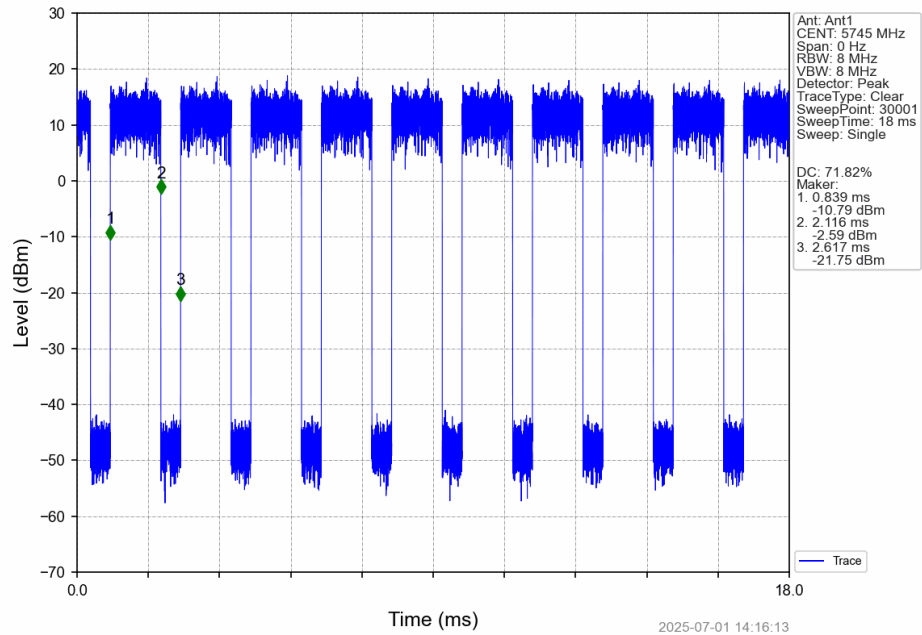
802.11ac(VHT20) MCH 5580MHz Ant1 NTN



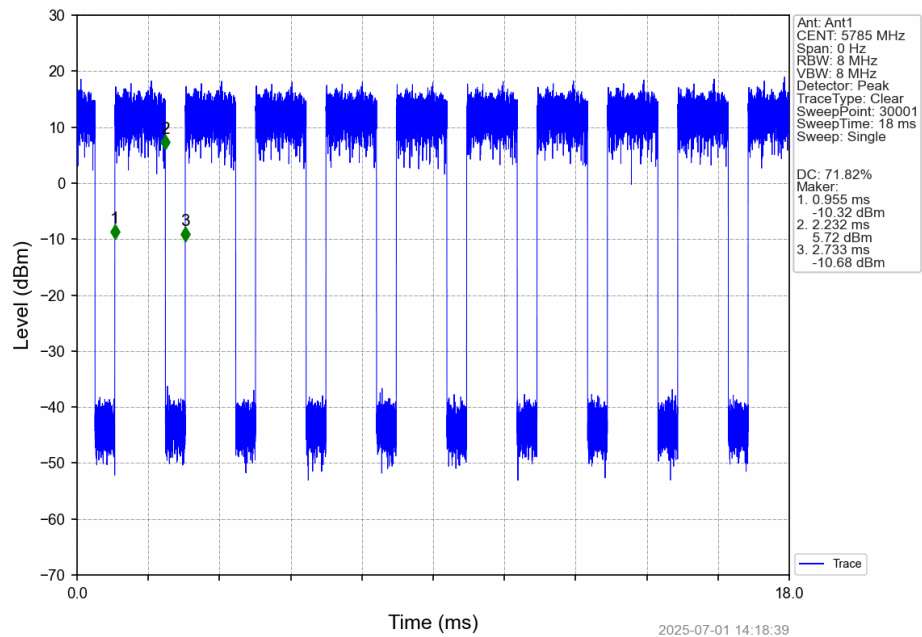
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTN



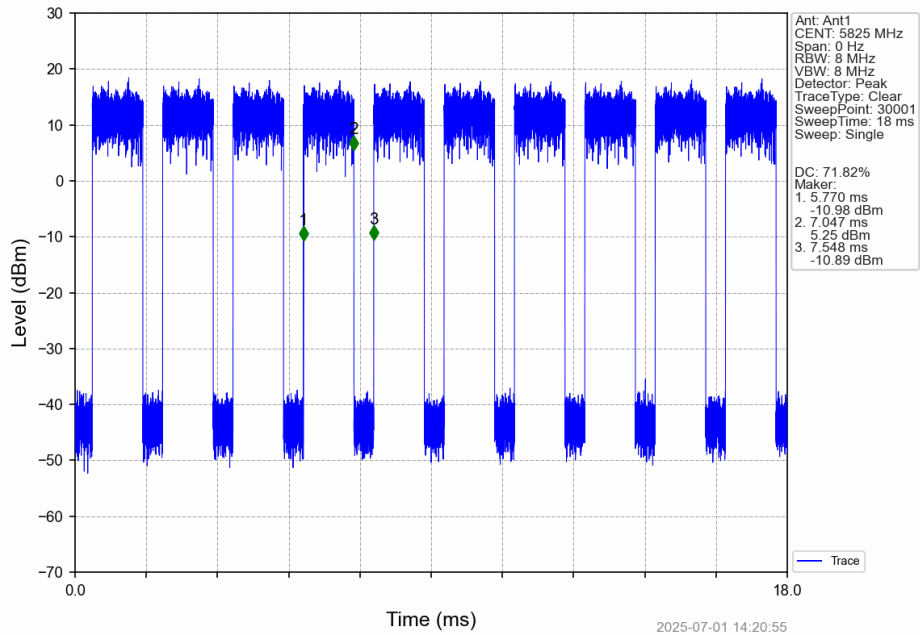
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



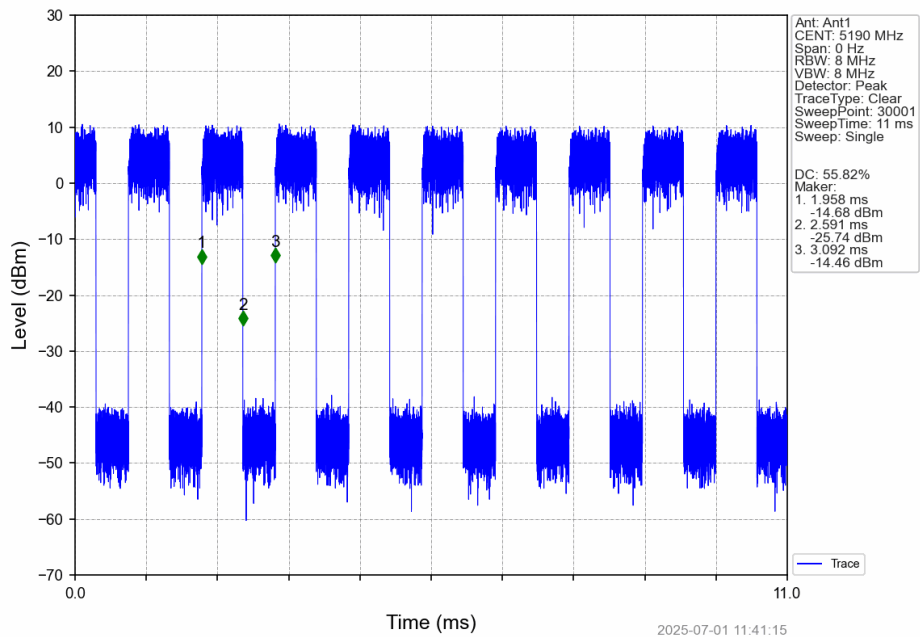
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



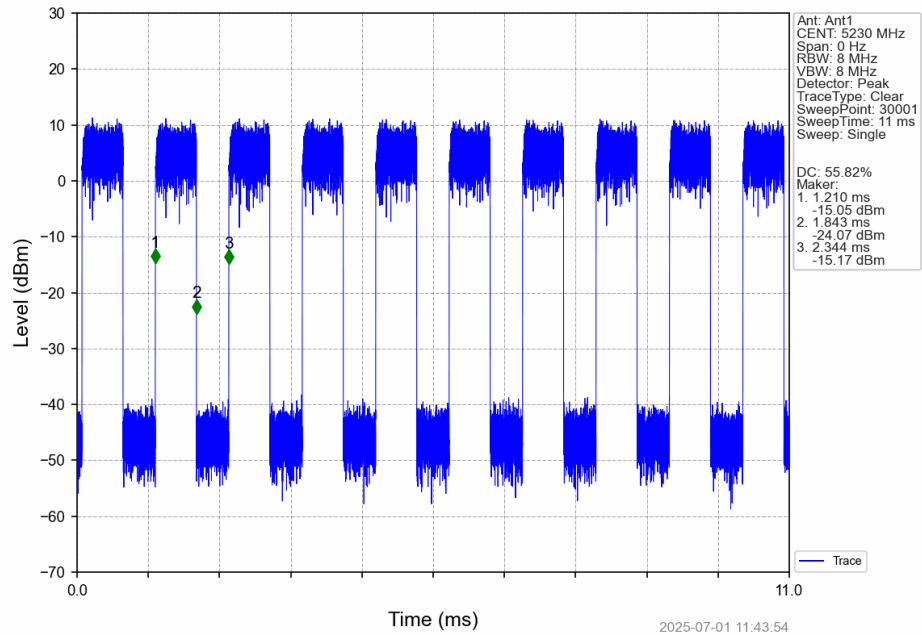
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



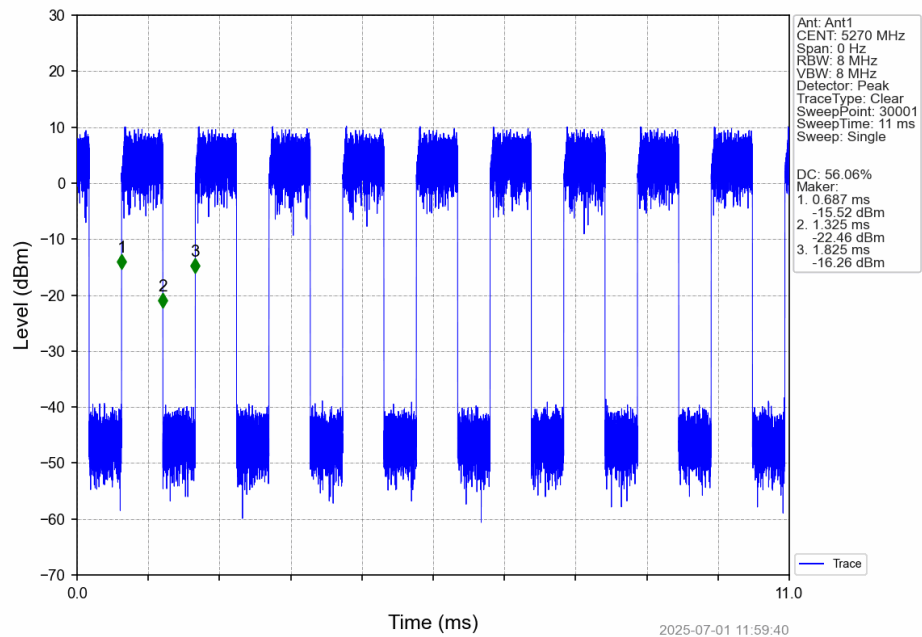
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTN



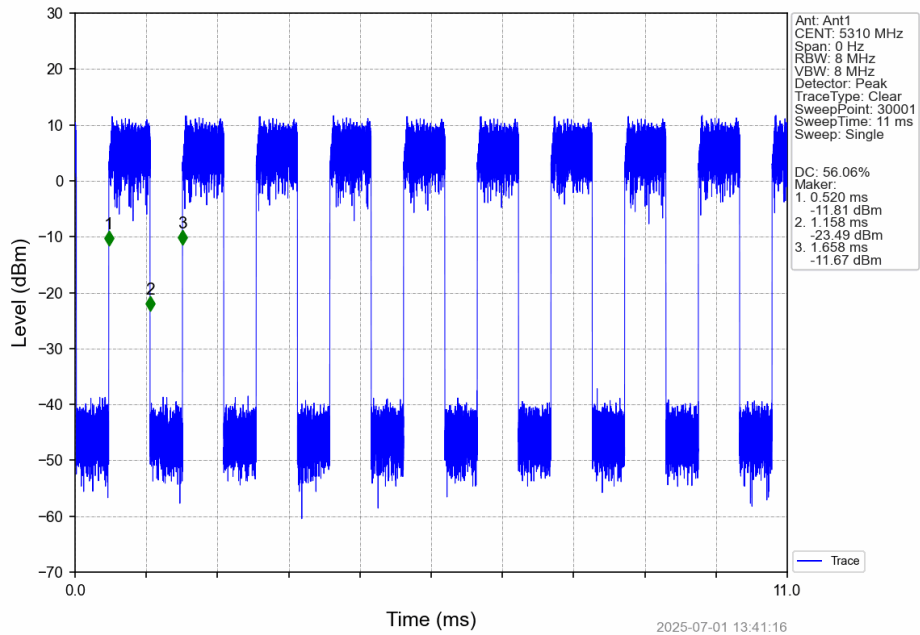
802.11ac(VHT40) HCH 5230MHz Ant1 NTN



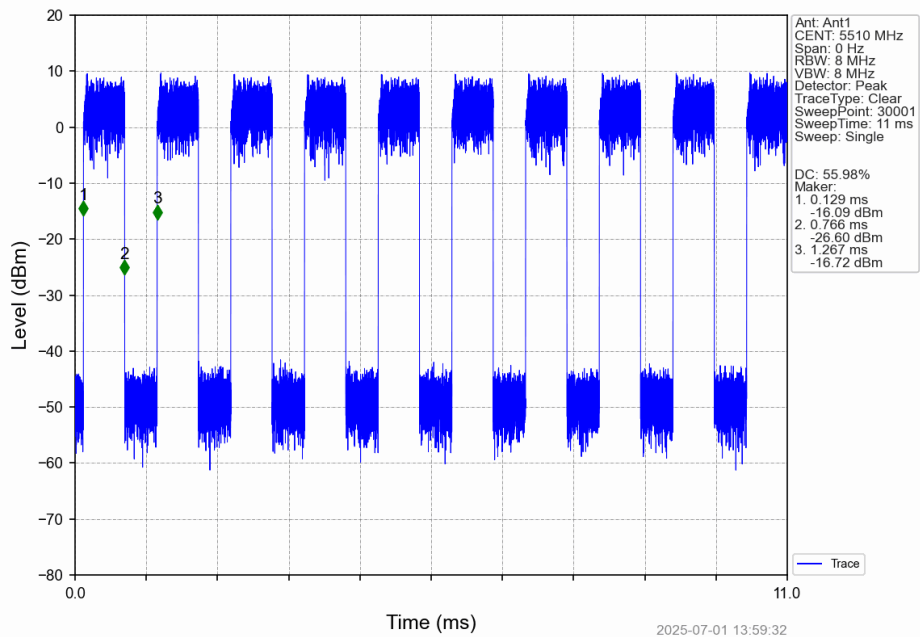
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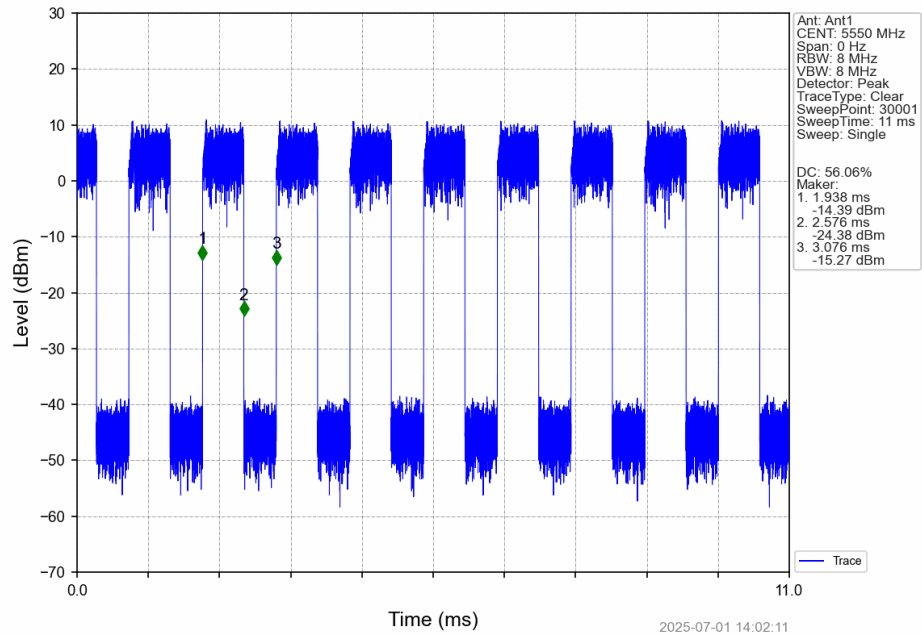
802.11ac(VHT40) HCH 5310MHz Ant1 NTN



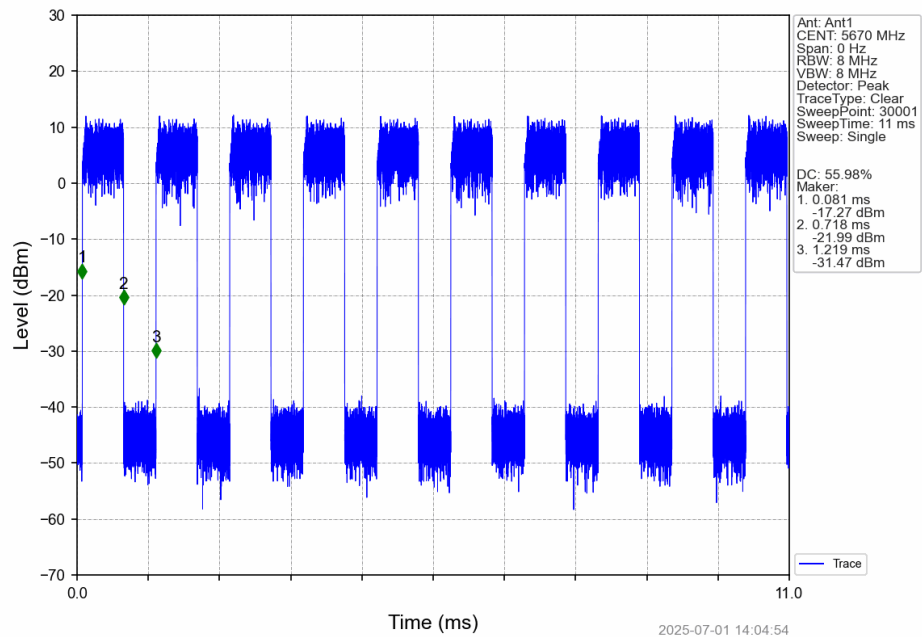
802.11ac(VHT40)_LCH_5510MHz_Ant1_NTN



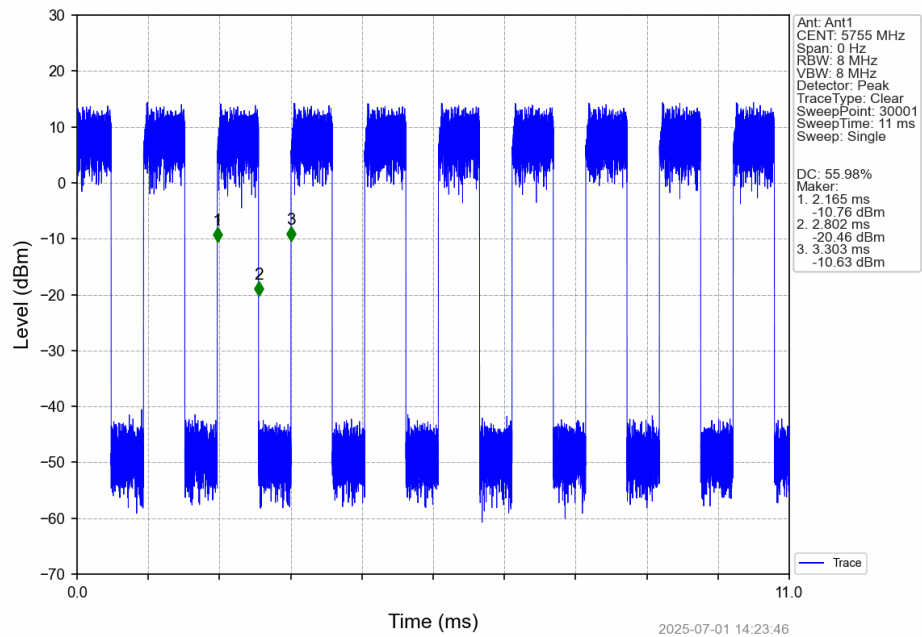
802.11ac(VHT40) MCH 5550MHz Ant1 NTN



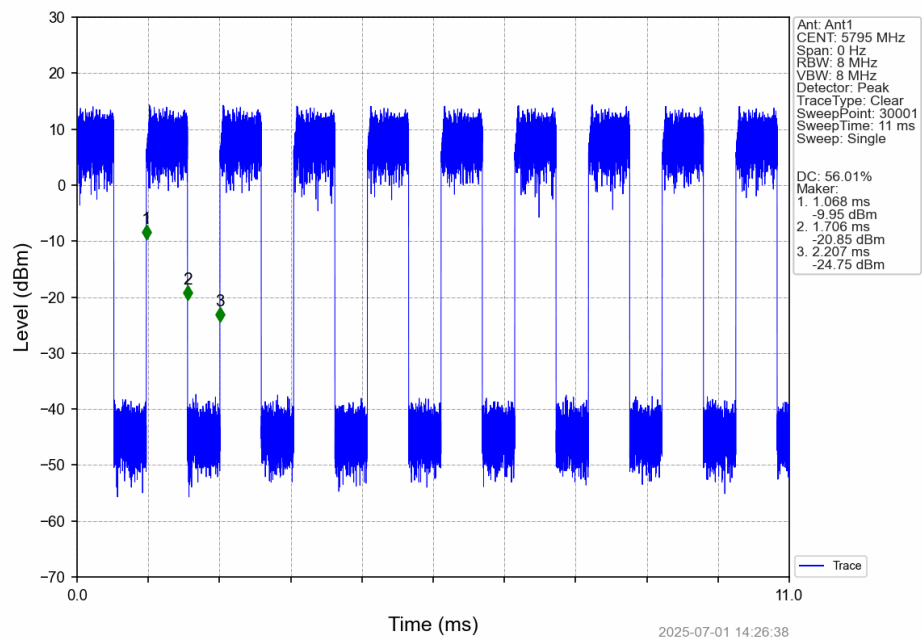
802.11ac(VHT40)_HCH_5670MHz_Ant1_NTN



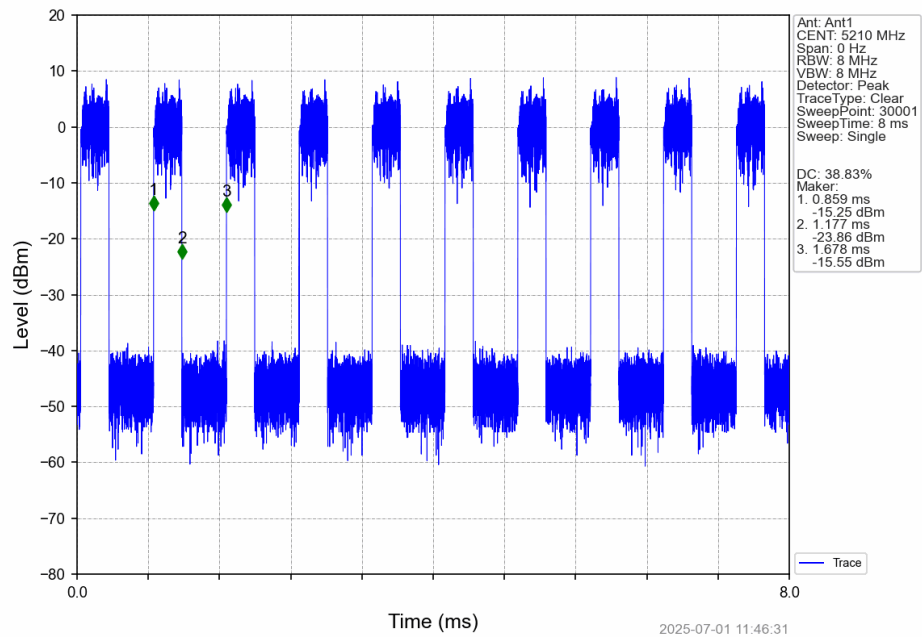
802.11ac(VHT40) LCH 5755MHz Ant1 NTN



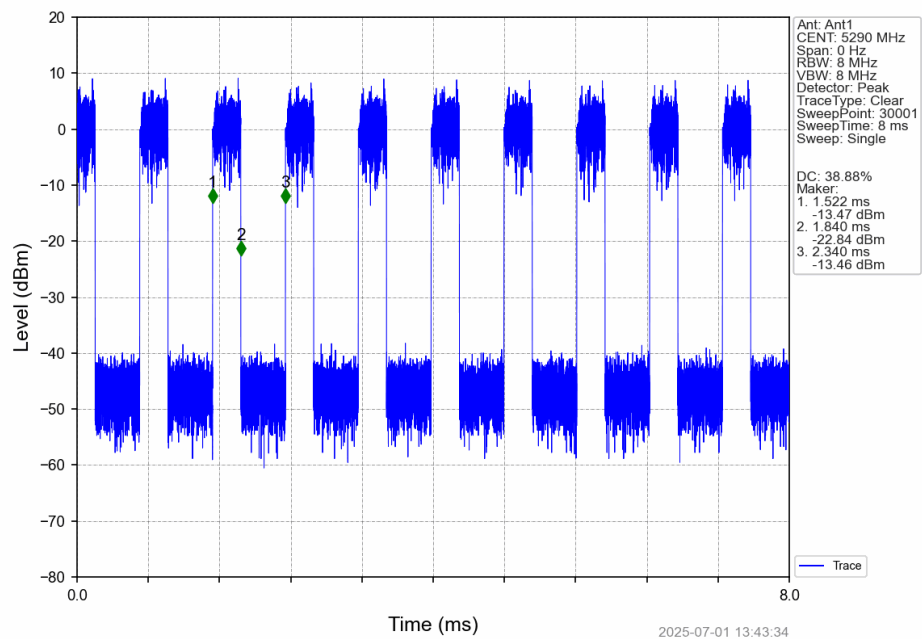
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTN



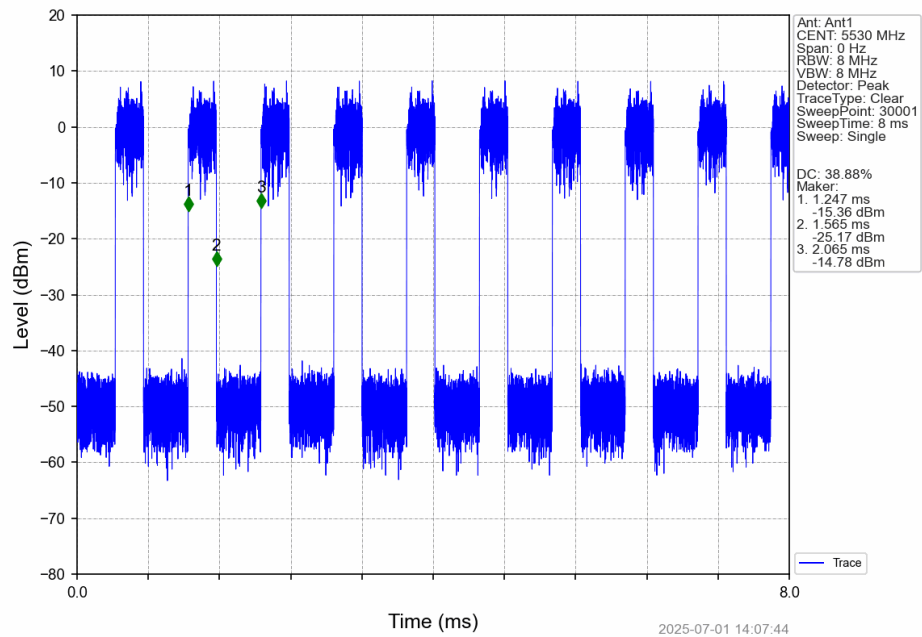
802.11ac(VHT80) MCH 5210MHz Ant1 NTN



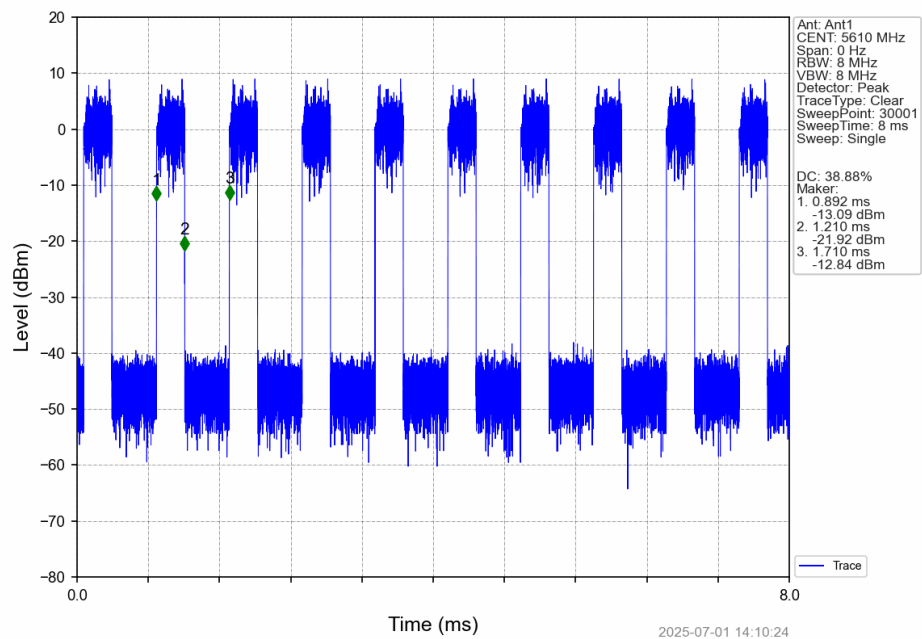
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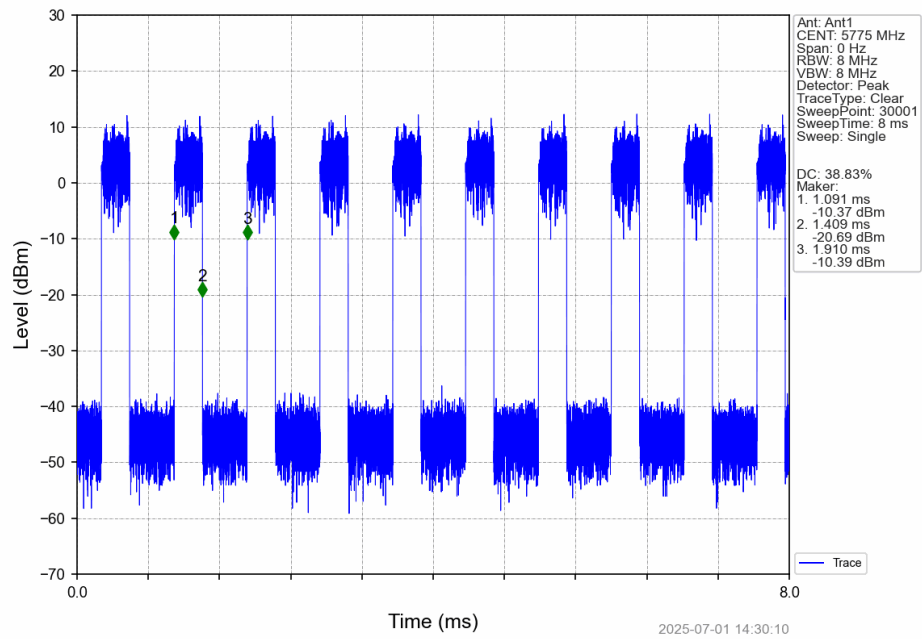
802.11ac(VHT80) LCH 5530MHz Ant1 NTN



802.11ac(VHT80)_HCH_5610MHz_Ant1_NTN

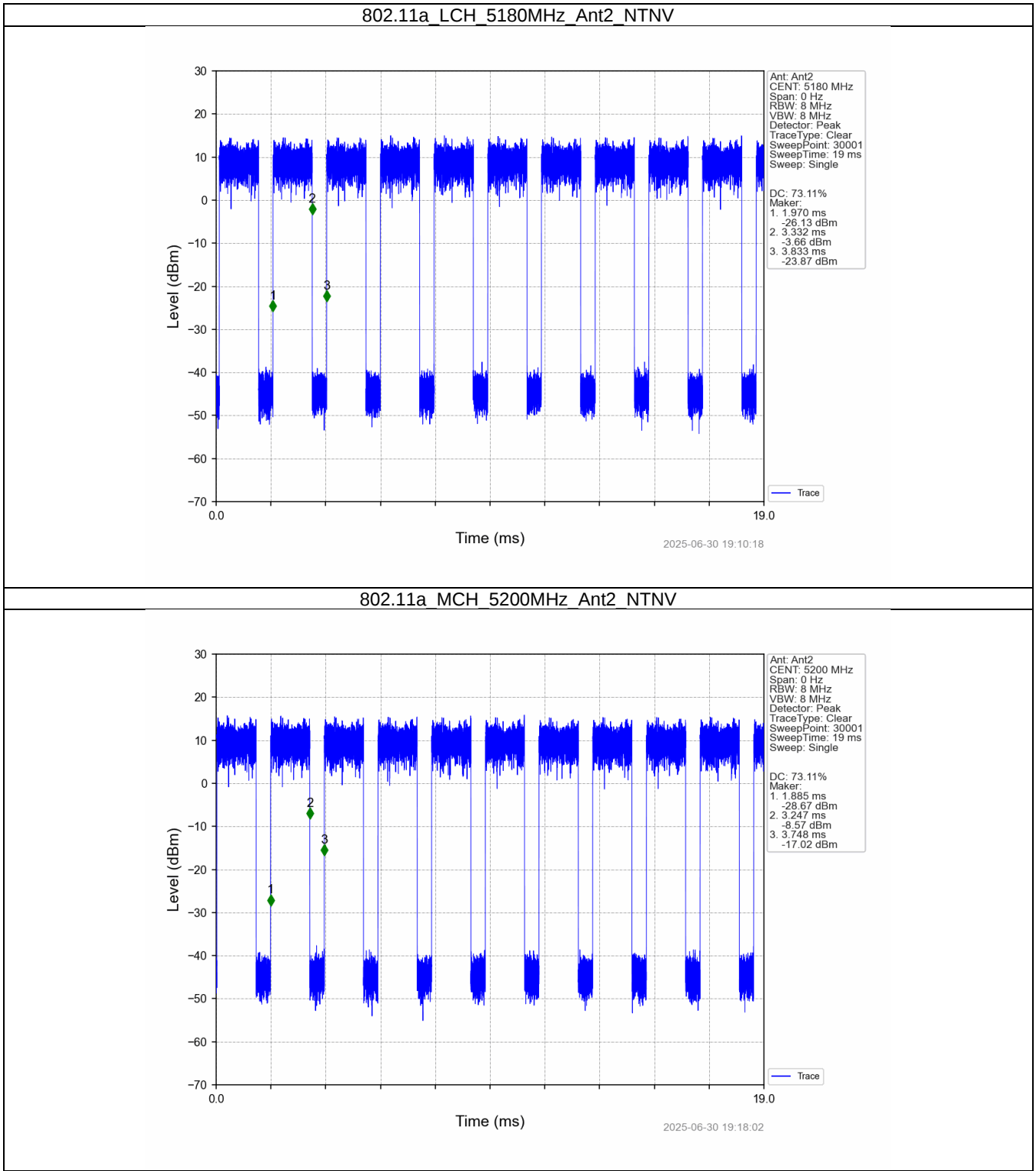


802.11ac(VHT80) MCH 5775MHz Ant1 NTN

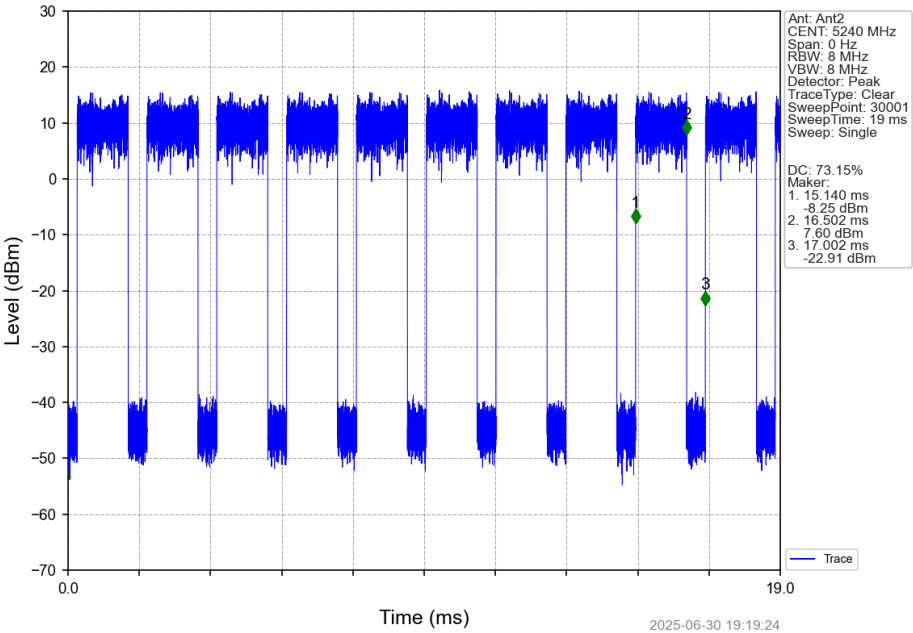


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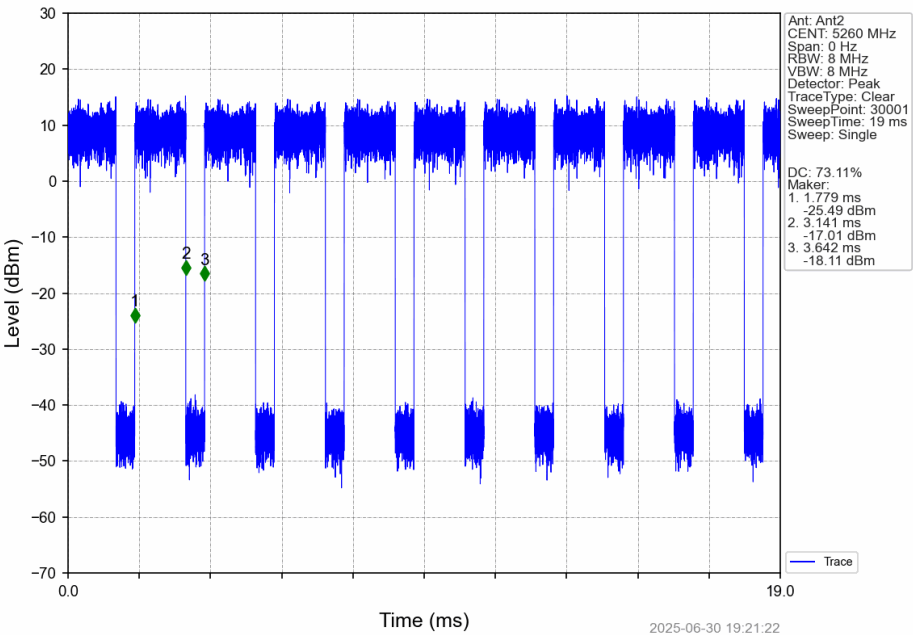
1.2.2 Ant2



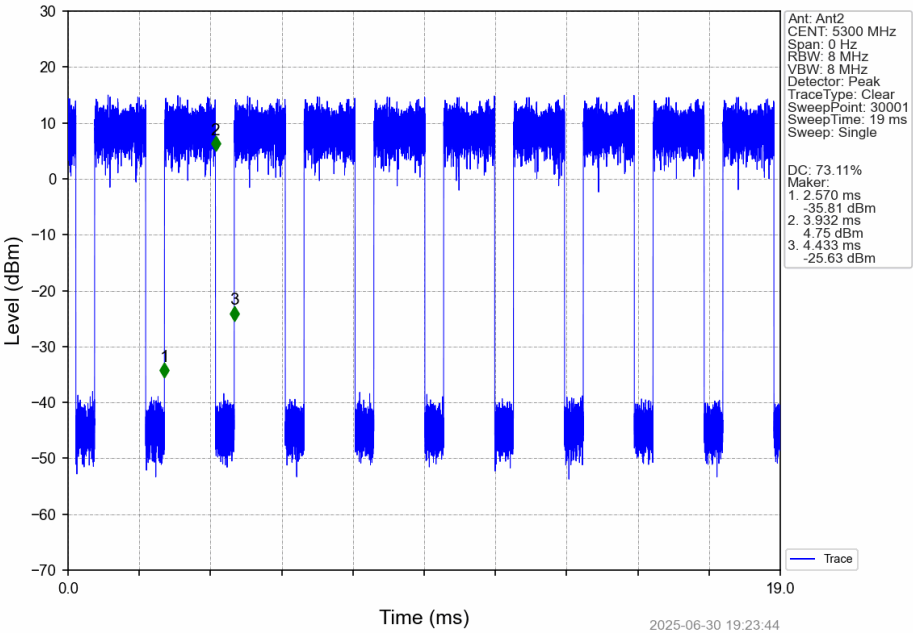
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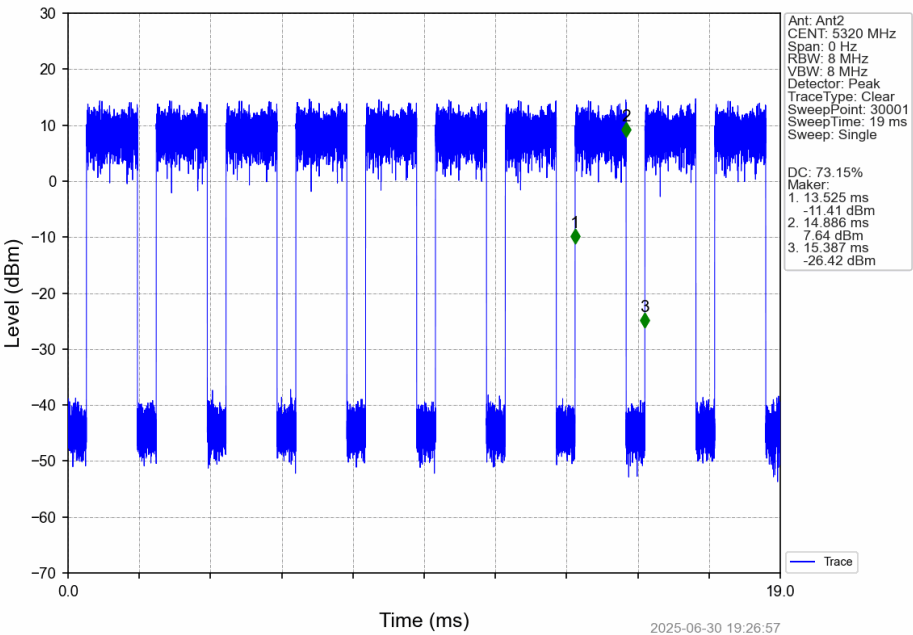
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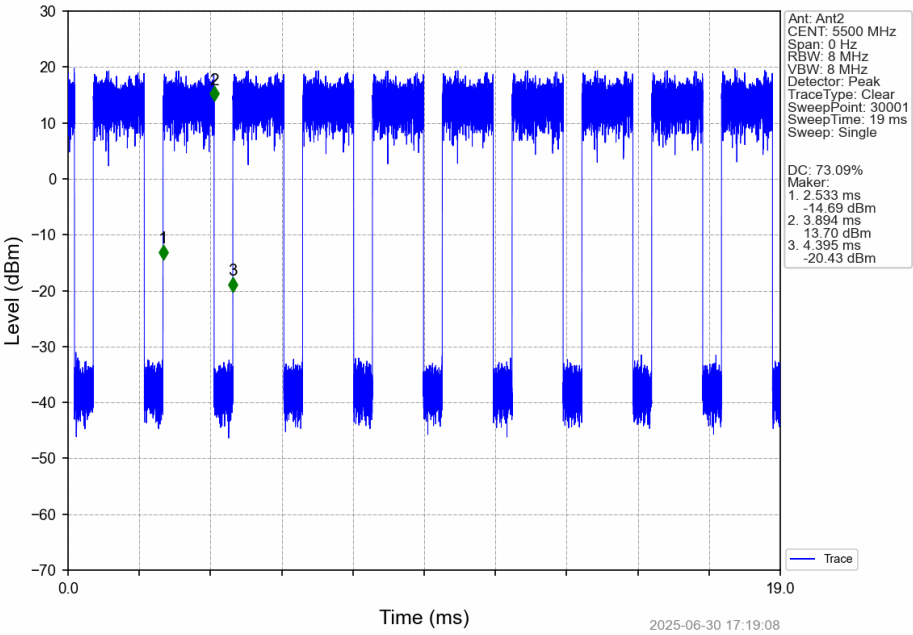
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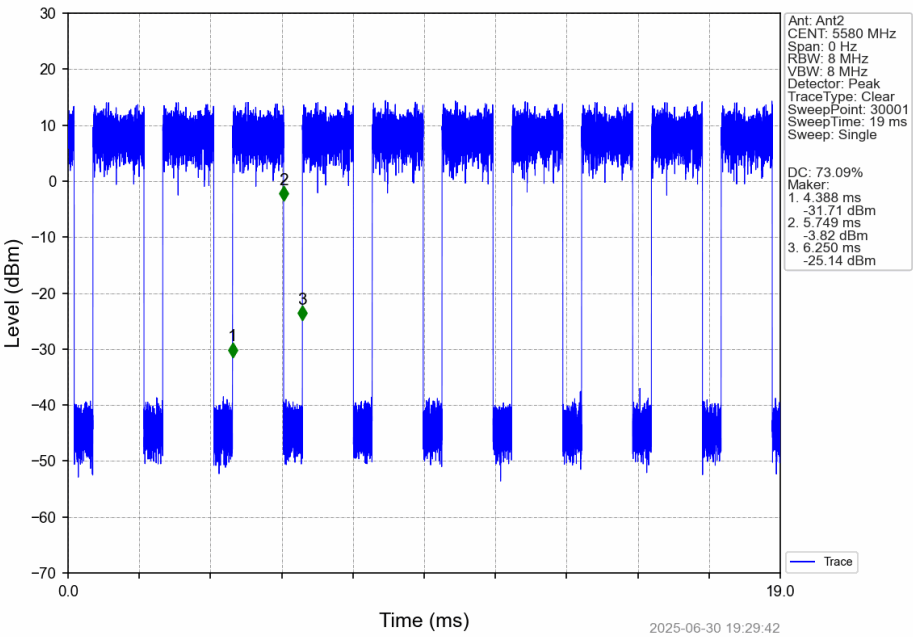
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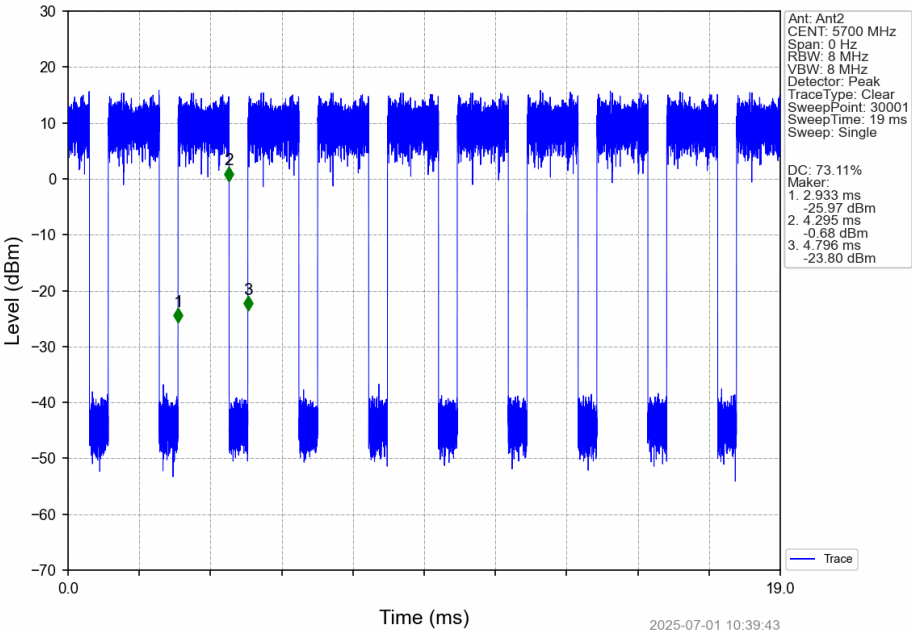
802.11a LCH 5500MHz Ant2 NTN



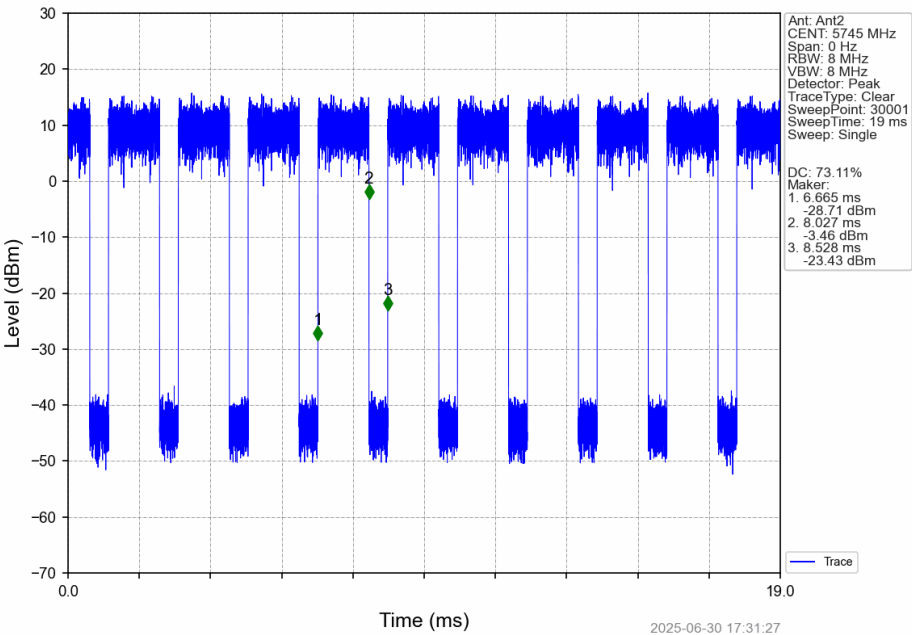
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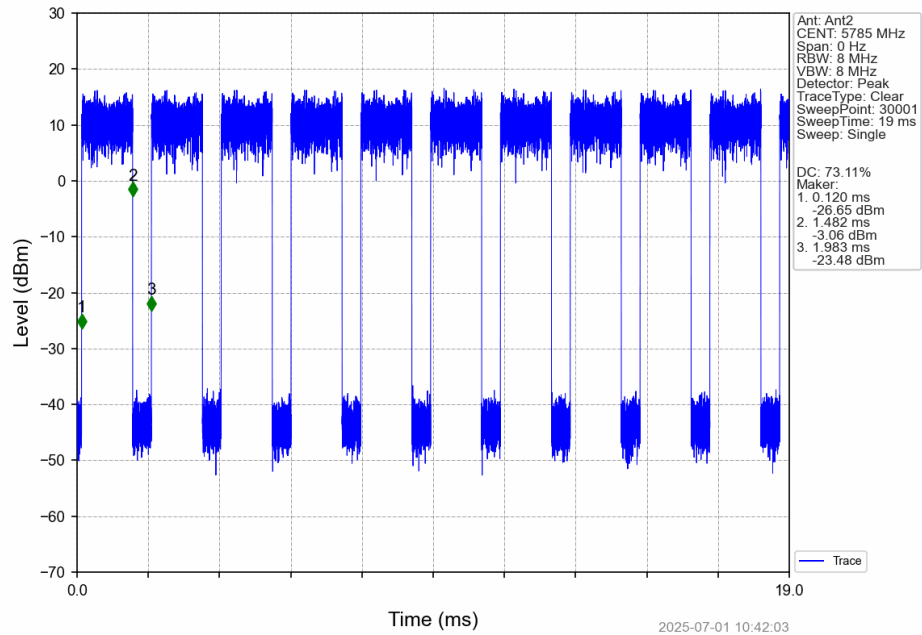
802.11a_HCH_5700MHz_Ant2_NTNV



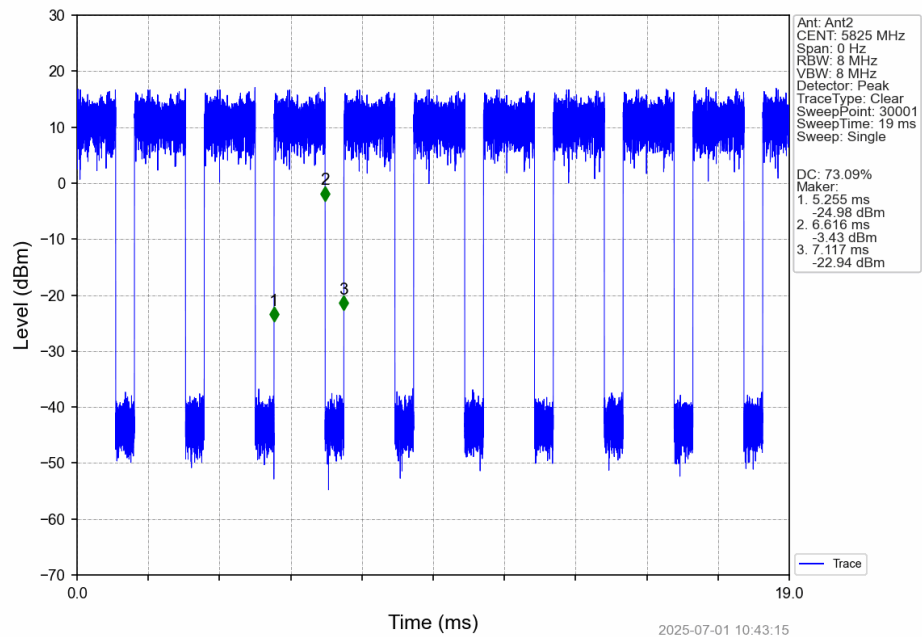
802.11a_LCH_5745MHz_Ant2_NTNV



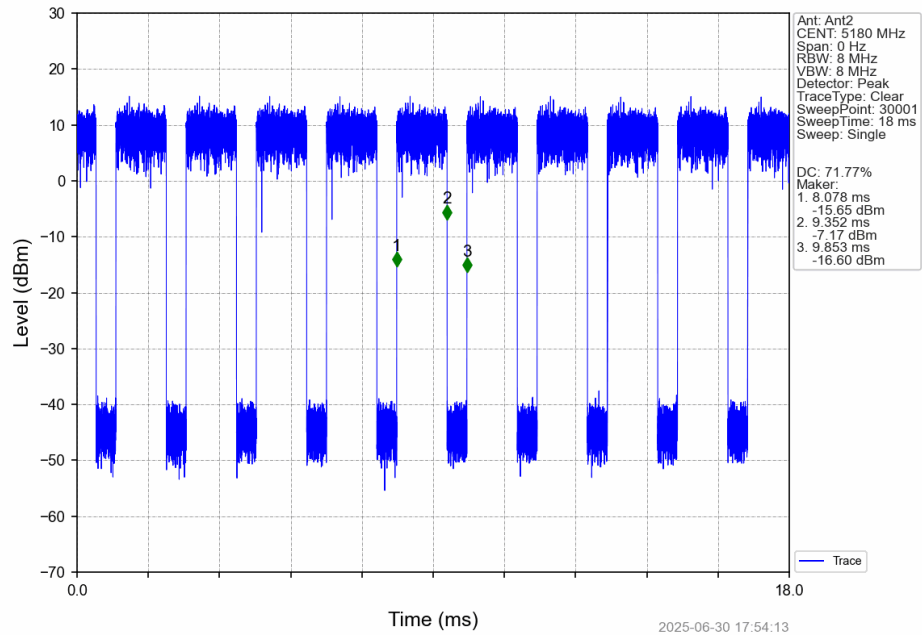
802.11a_MCH_5785MHz_Ant2_NTNV



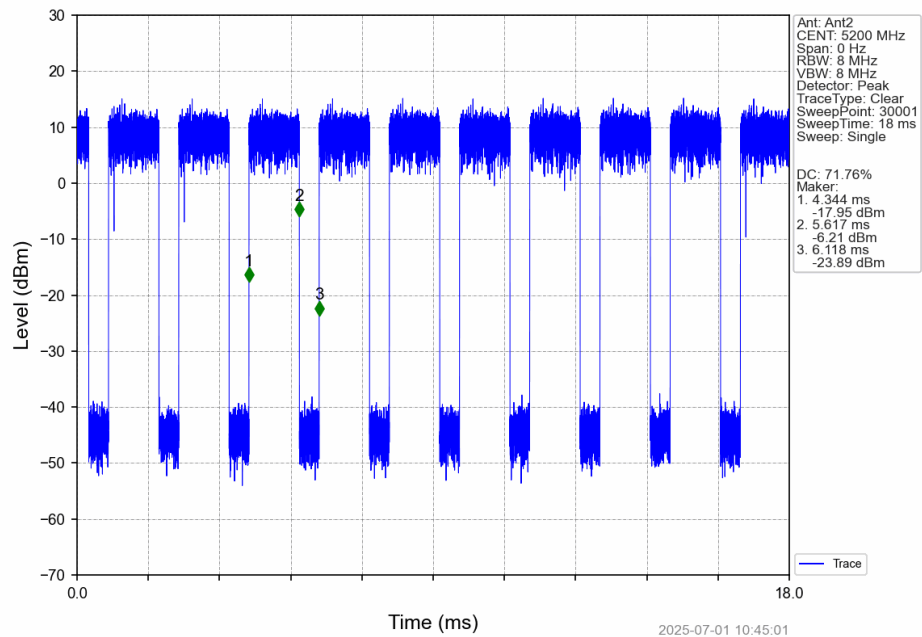
802.11a_HCH_5825MHz_Ant2_NTNV



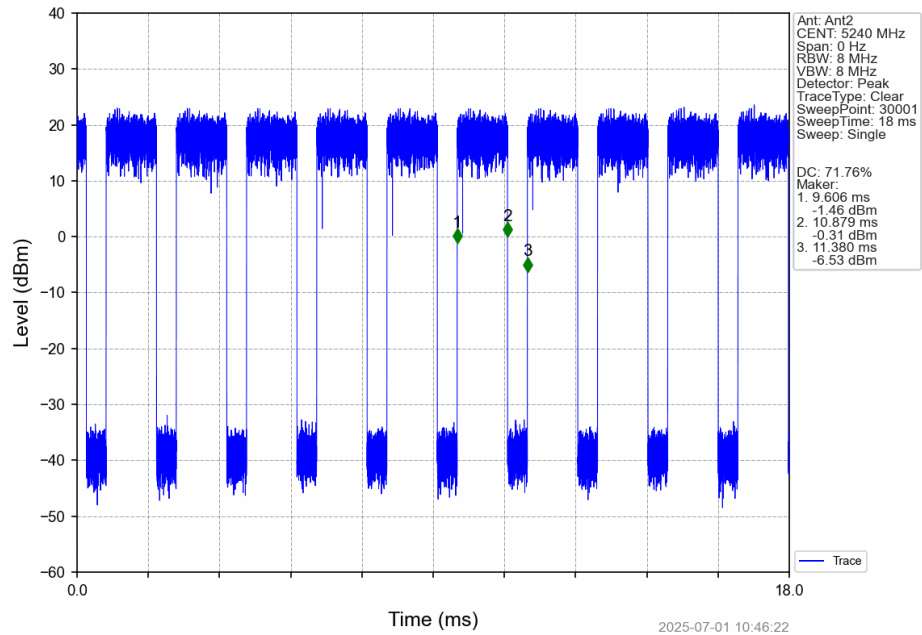
802.11n(HT20) LCH 5180MHz Ant2 NTN



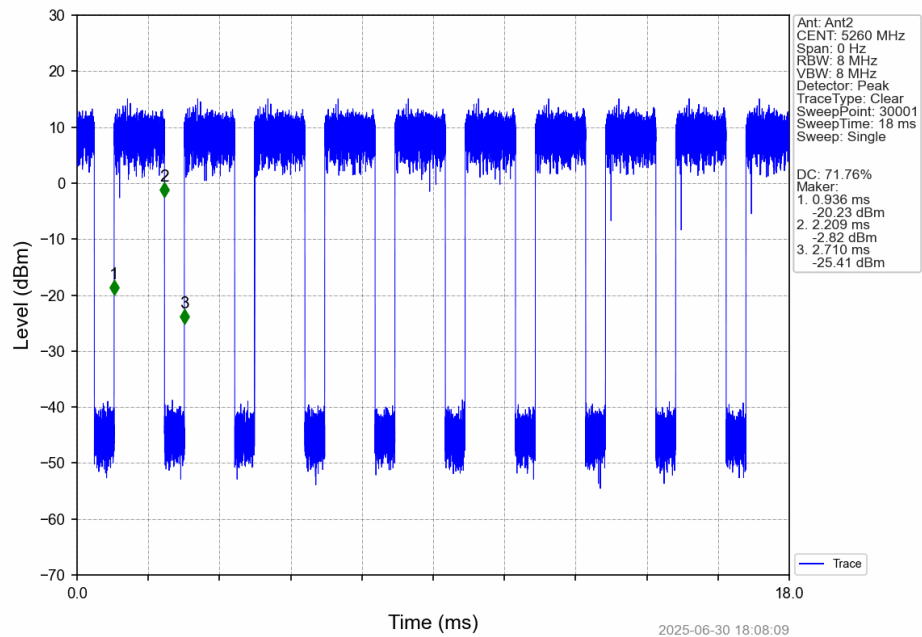
802.11n(HT20)_MCH_5200MHz_Ant2_NTN



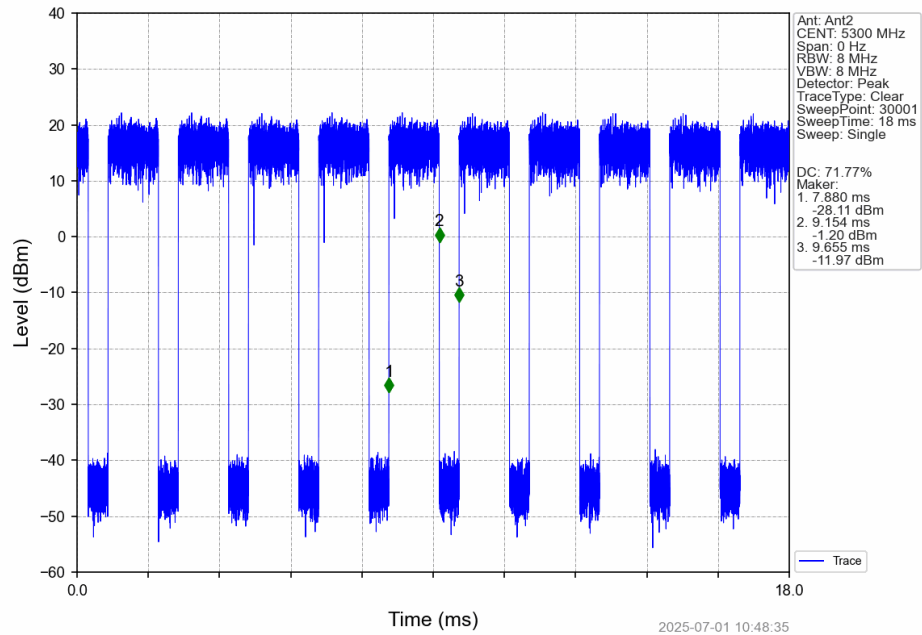
802.11n(HT20) HCH 5240MHz Ant2 NTN



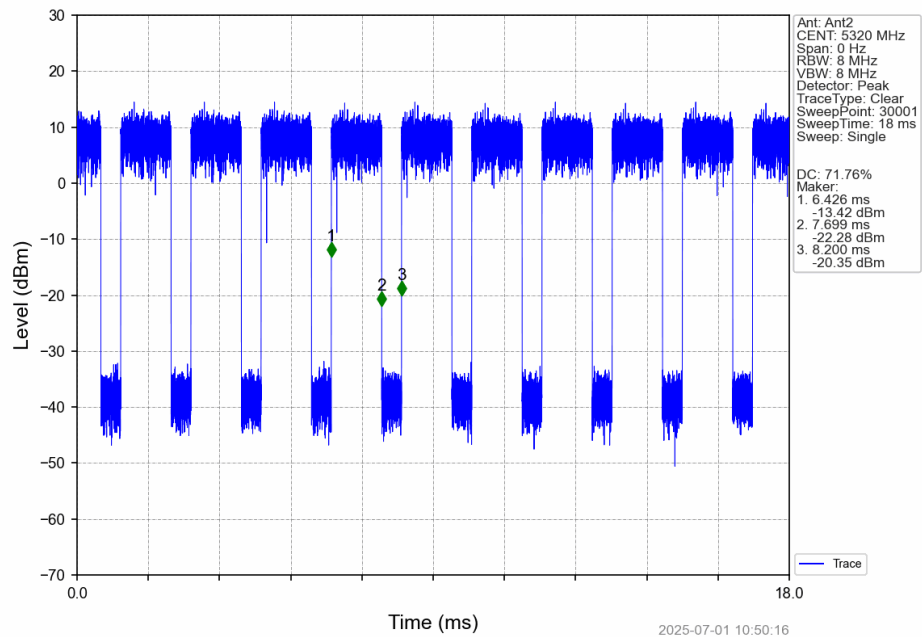
802.11n(HT20)_LCH_5260MHz_Ant2_NTN



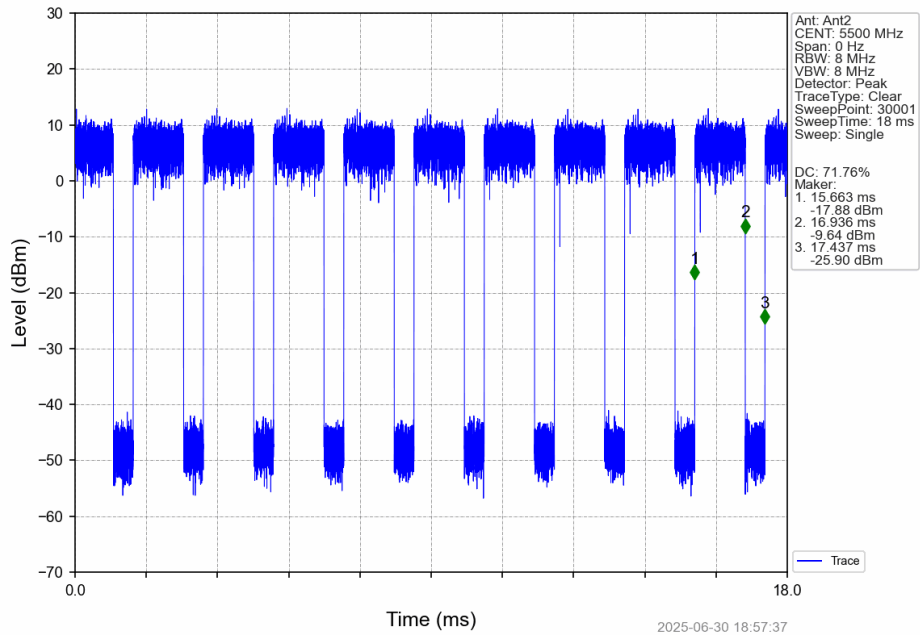
802.11n(HT20) MCH 5300MHz Ant2 NTN



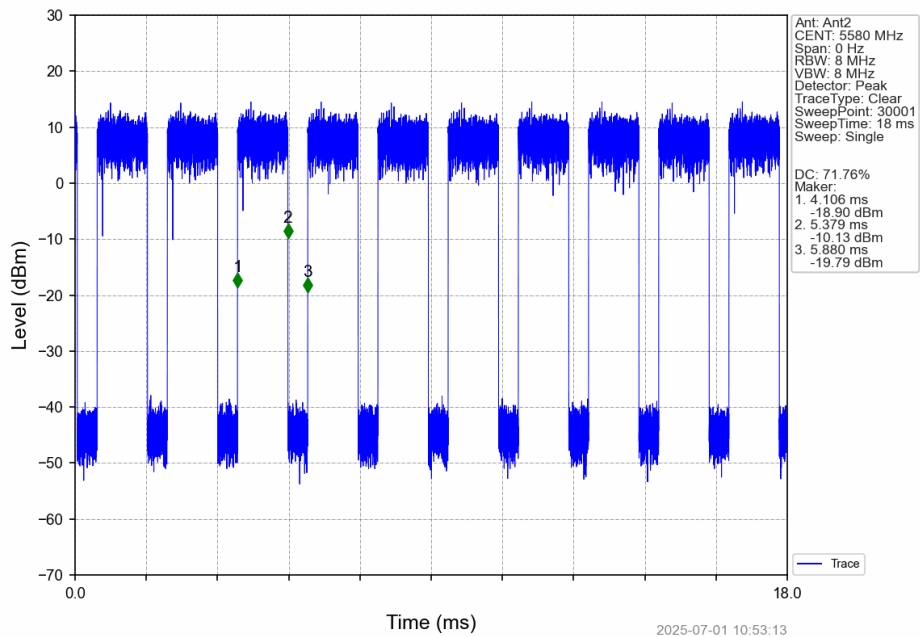
802.11n(HT20)_HCH 5320MHz_Ant2 NTN



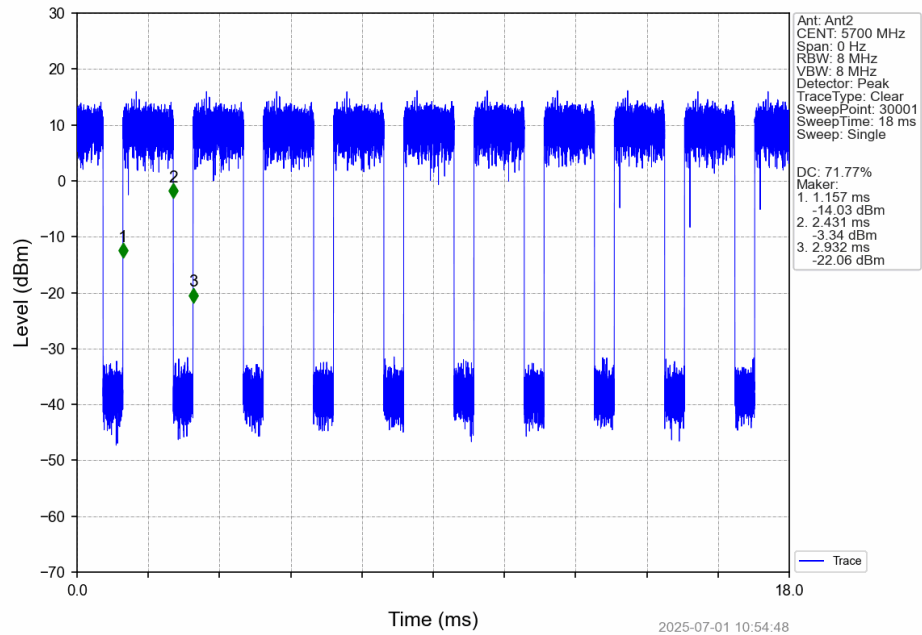
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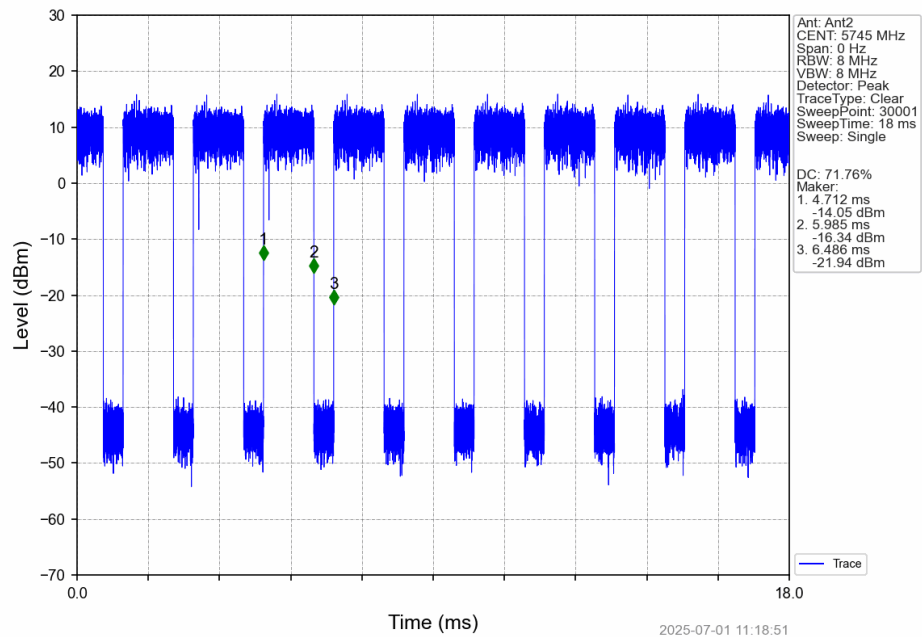
802.11n(HT20)_MCH_5580MHz_Ant2_NTN



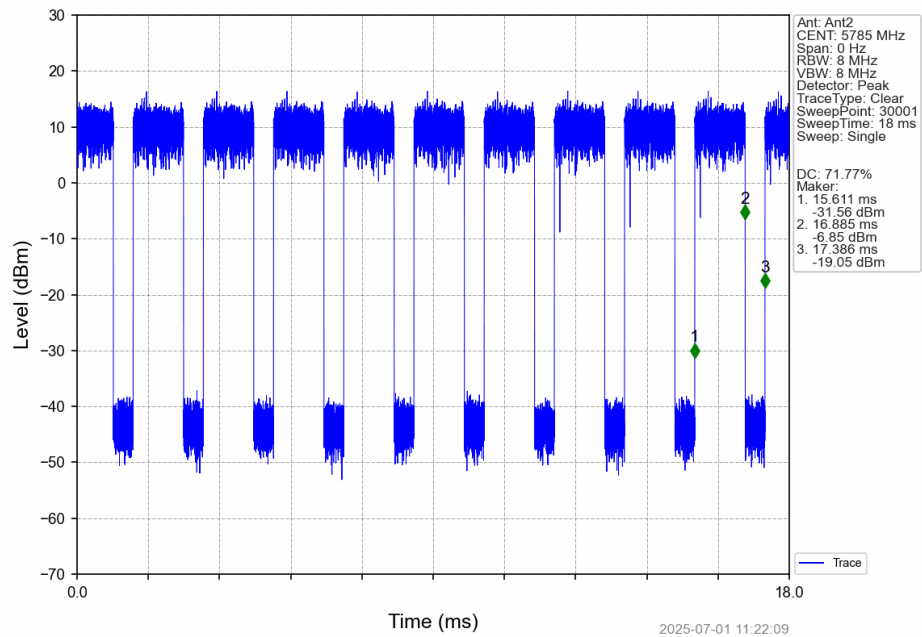
802.11n(HT20) HCH 5700MHz Ant2 NTN



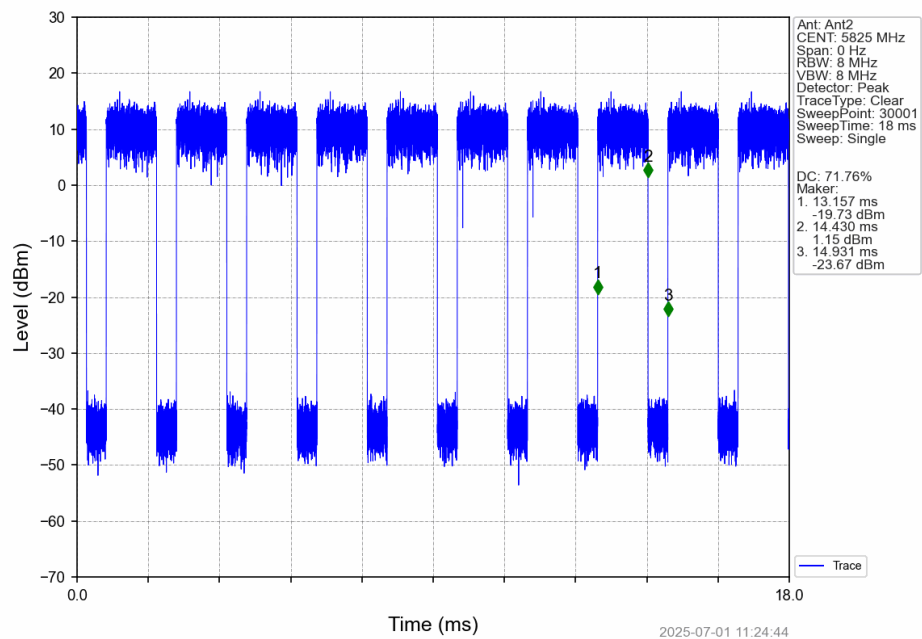
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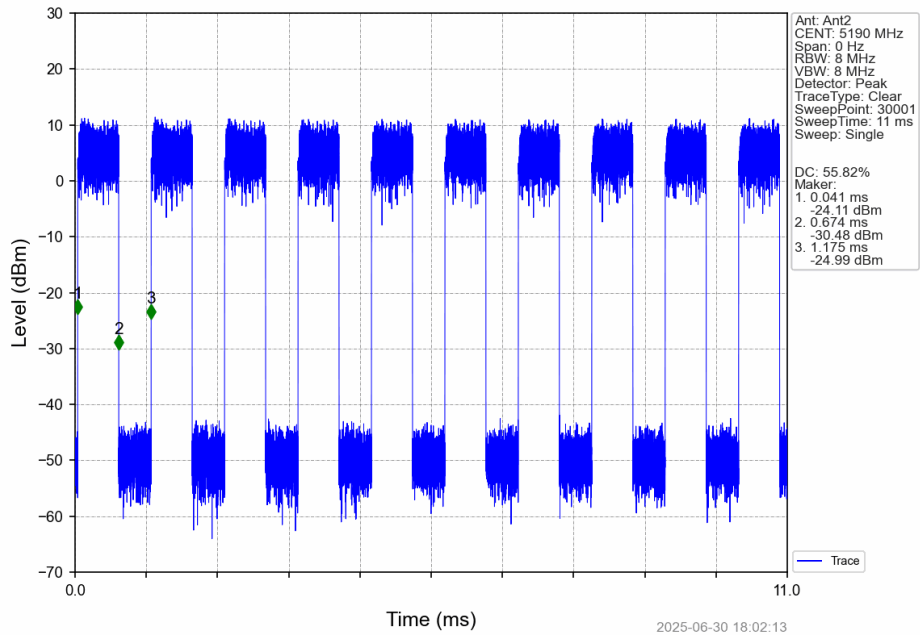
802.11n(HT20) MCH 5785MHz Ant2 NTN



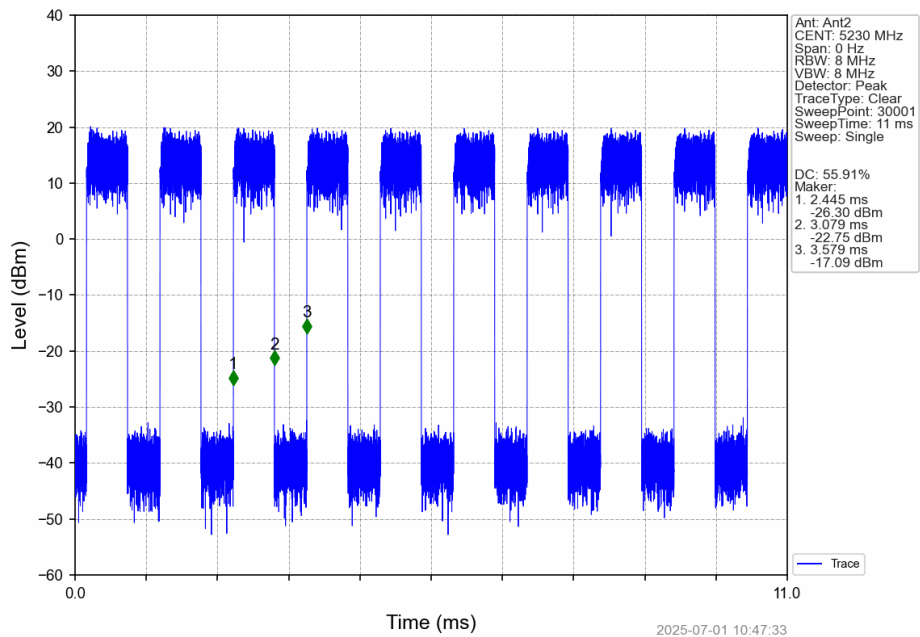
802.11n(HT20)_HCH_5825MHz_Ant2 NTN



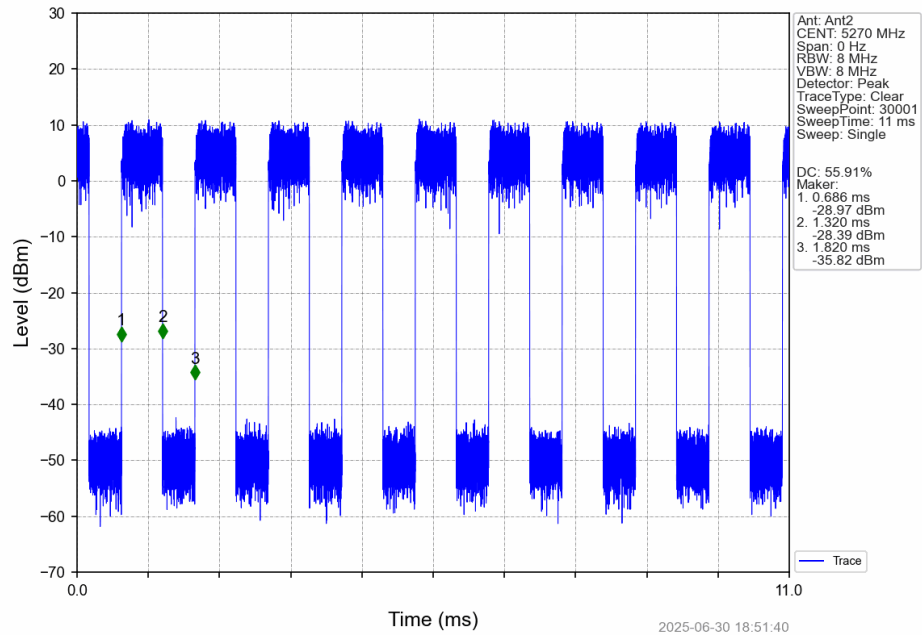
802.11n(HT40) LCH 5190MHz Ant2 NTN



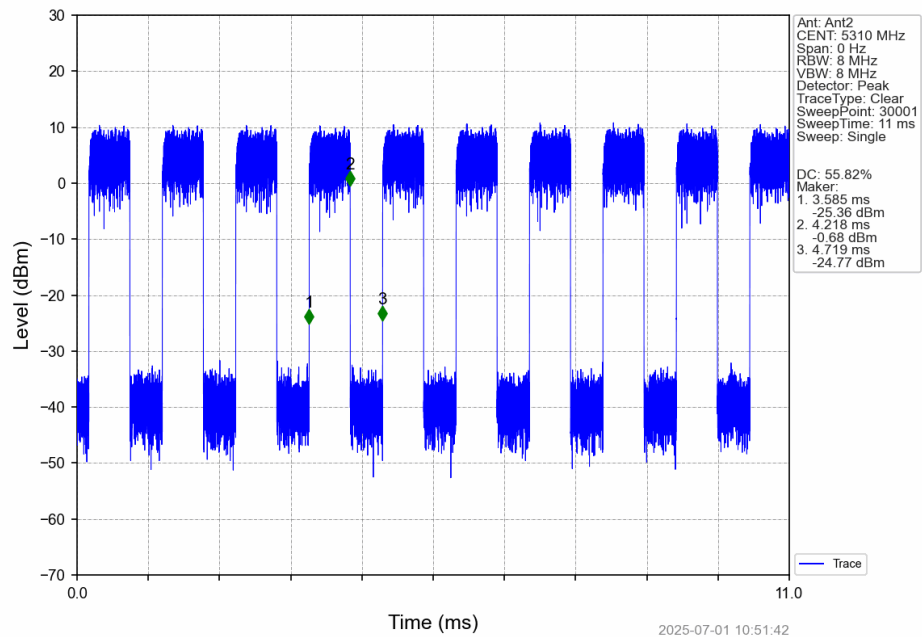
802.11n(HT40)_HCH_5230MHz_Ant2_NTN



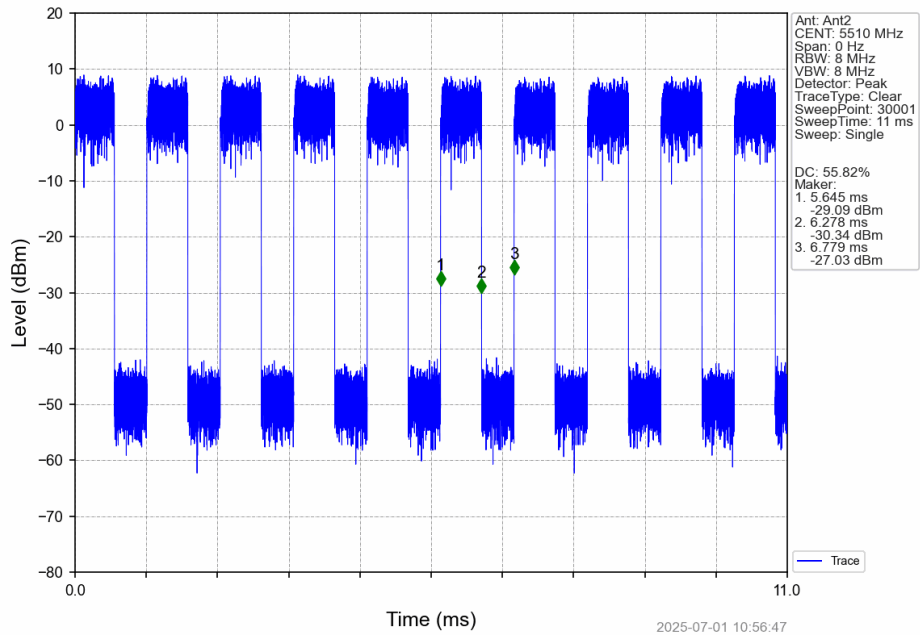
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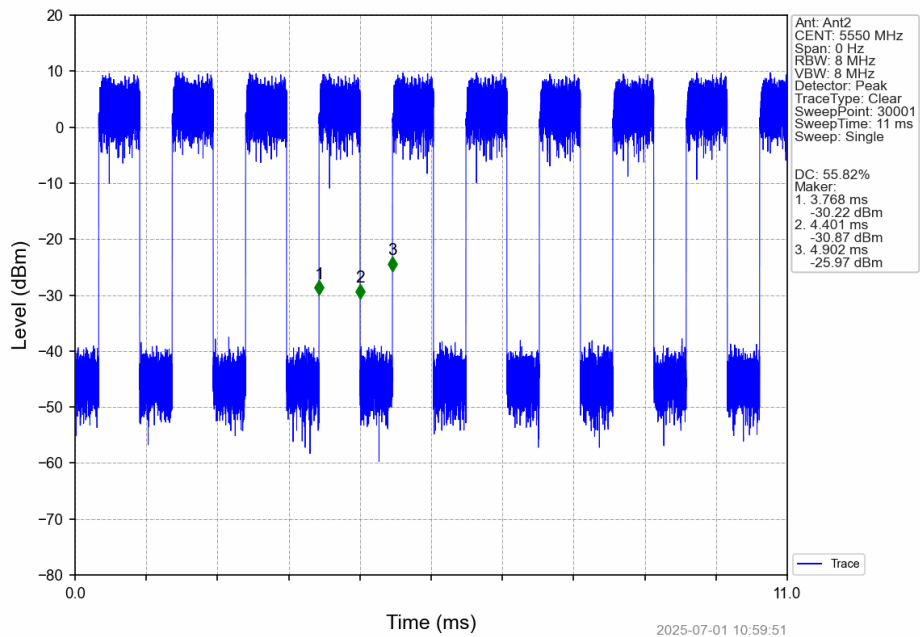
802.11n(HT40)_HCH_5310MHz_Ant2_NTN



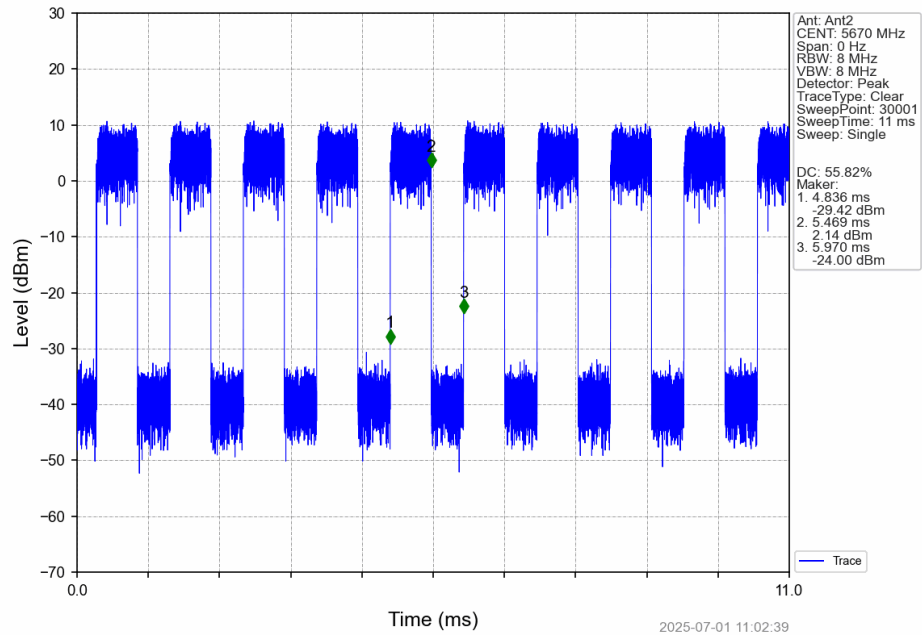
802.11n(HT40) LCH 5510MHz Ant2 NTN



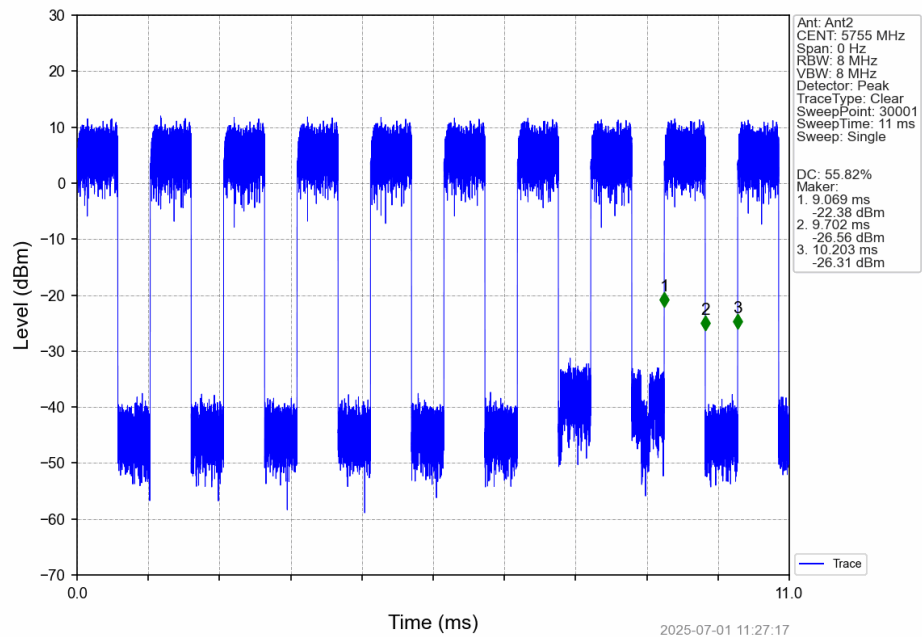
802.11n(HT40)_MCH_5550MHz_Ant2_NTN



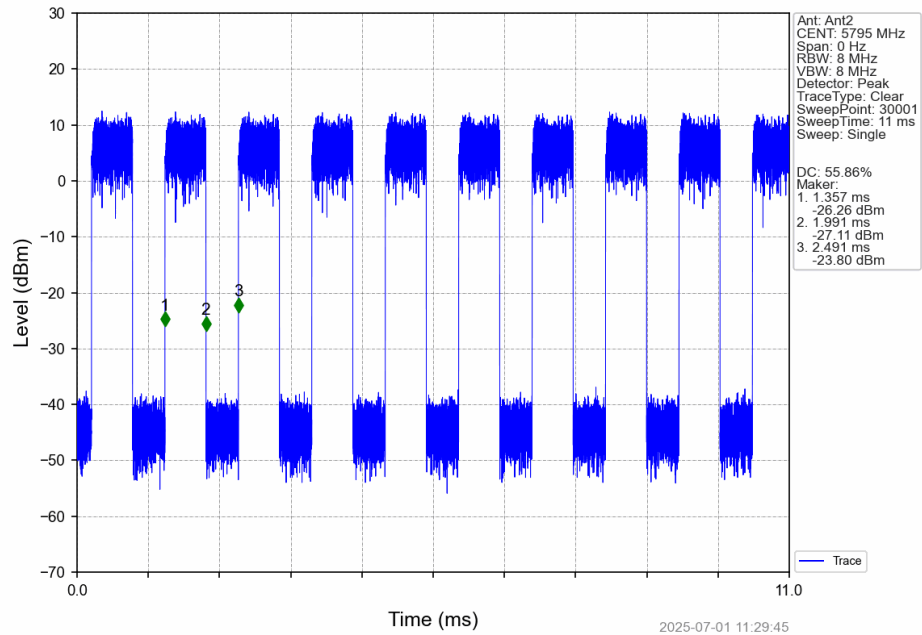
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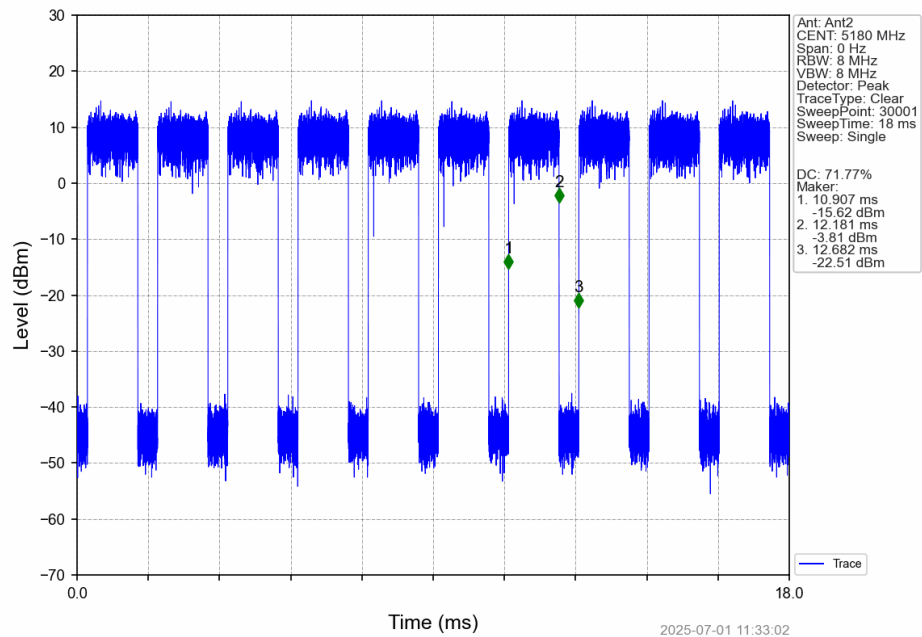
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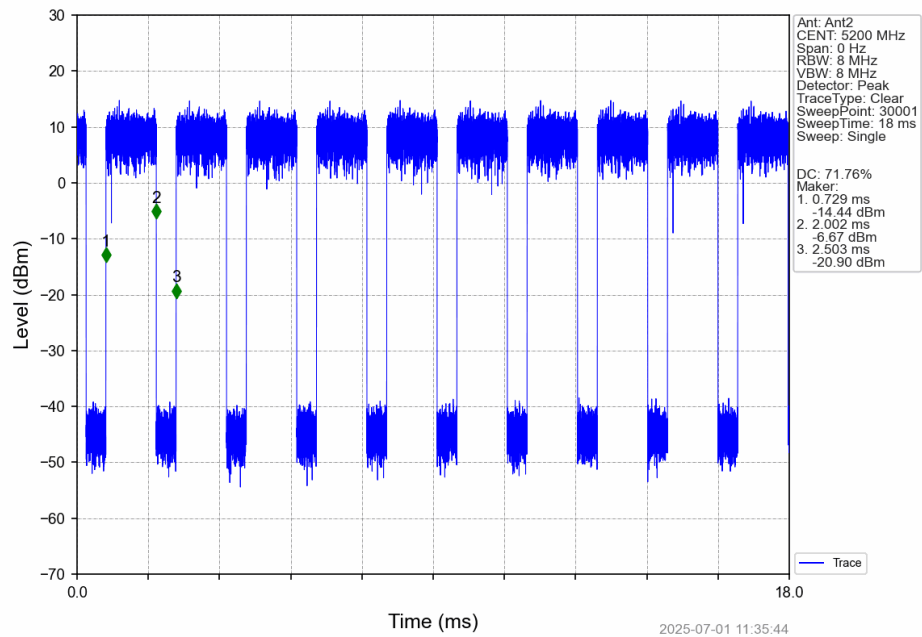
802.11n(HT40) HCH 5795MHz Ant2 NTN



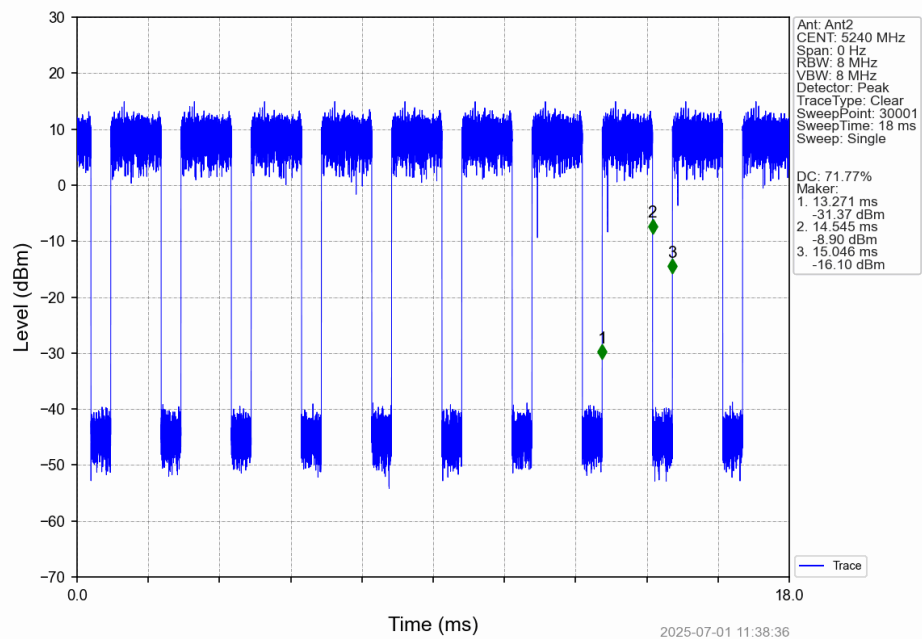
802.11ac(VHT20)_LCH_5180MHz_Ant2_NTN



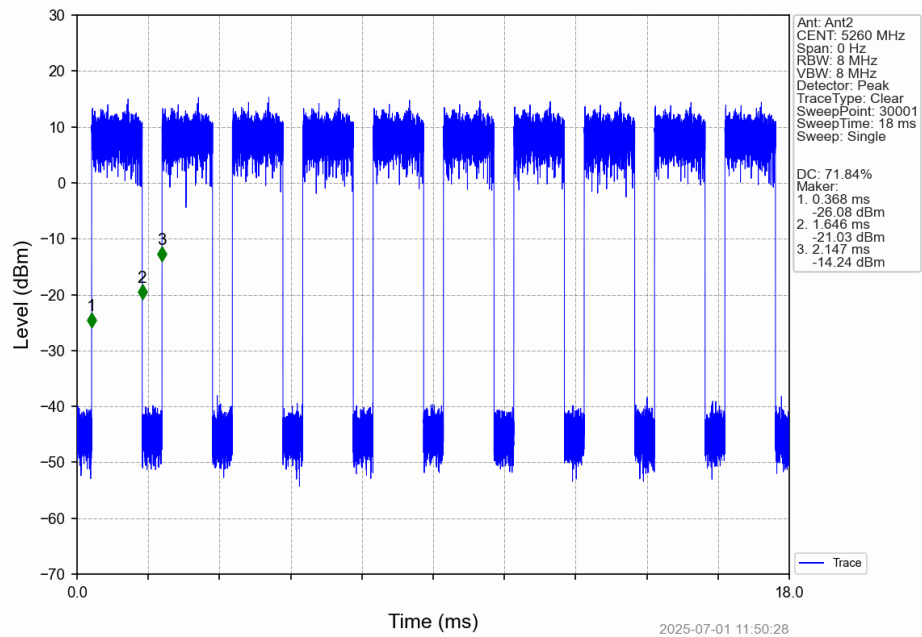
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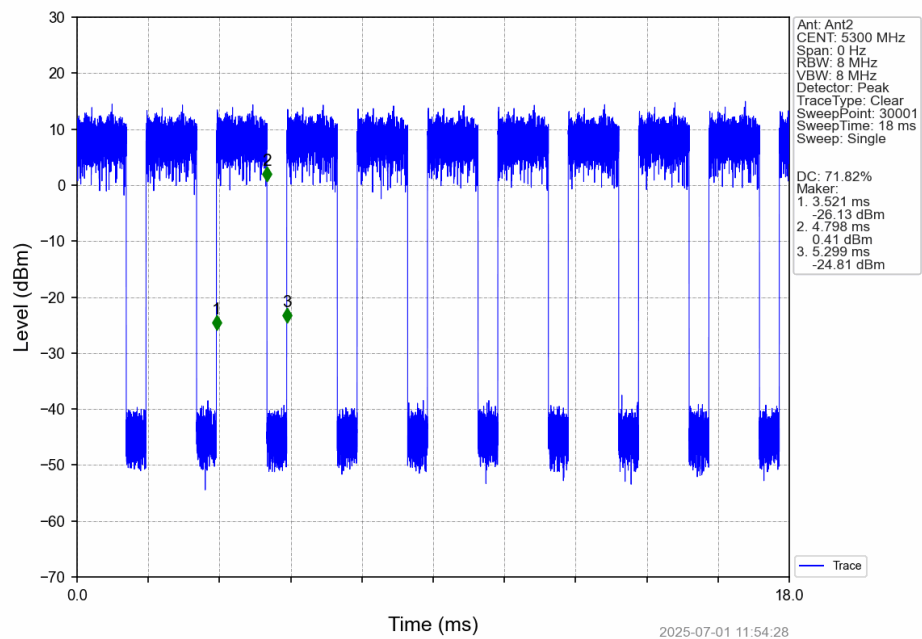
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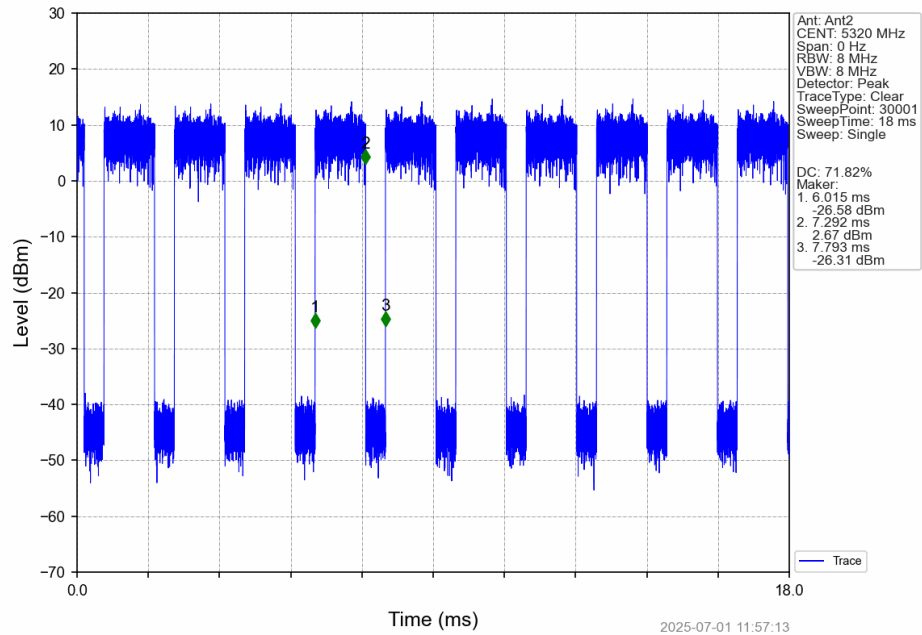
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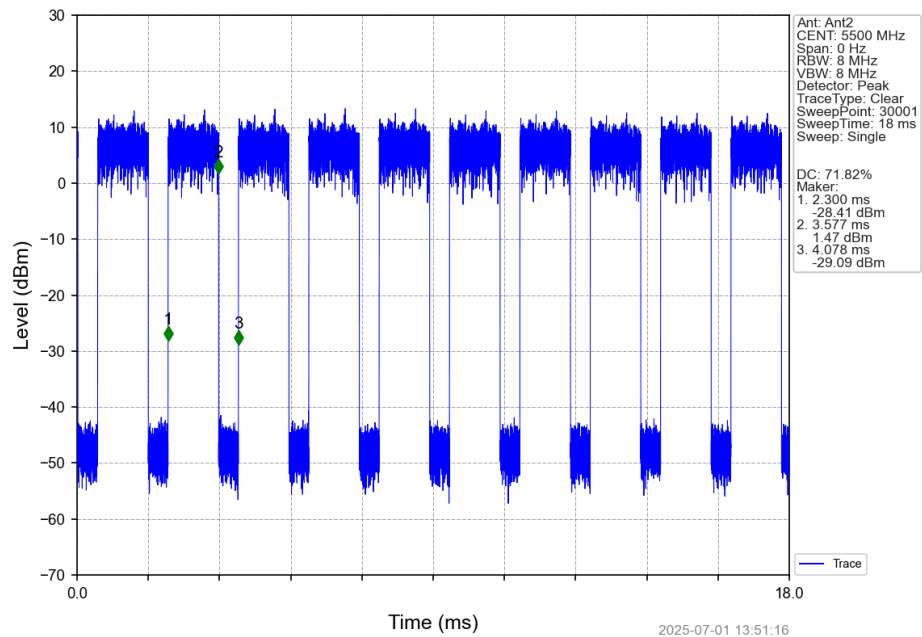
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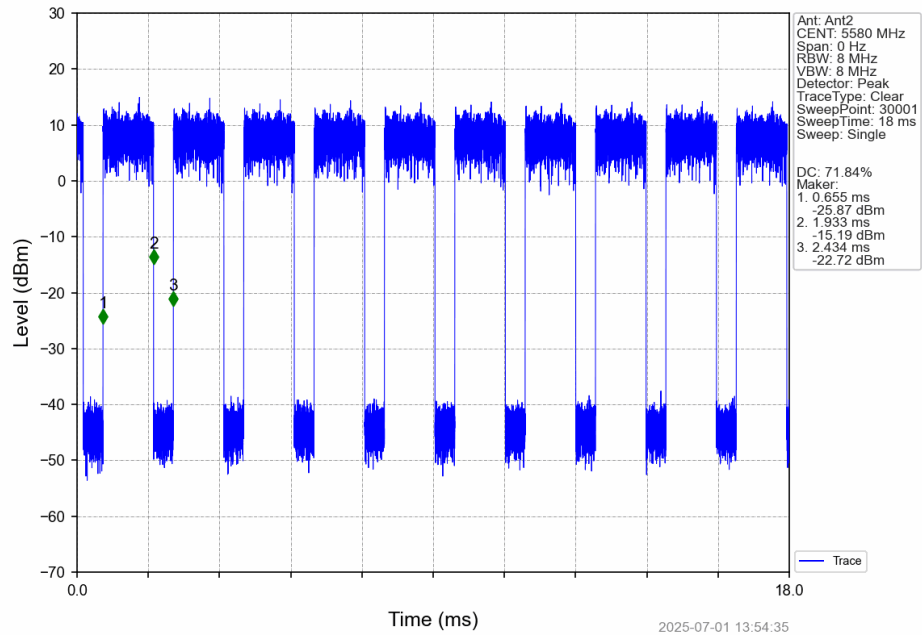
802.11ac(VHT20) HCH 5320MHz Ant2 NTN



802.11ac(VHT20)_LCH_5500MHz_Ant2_NTN



802.11ac(VHT20) MCH 5580MHz Ant2 NTN



802.11ac(VHT20)_HCH_5700MHz_Ant2_NTN

