

Appendix RF test data for 5G WIFI

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	/	/	1.360	1.863	73.00	1.37	0.03
		5200	/	/	1.360	1.862	73.04	1.36	0.03
		5240	/	/	1.360	1.862	73.04	1.36	0.01
		5260	/	/	1.360	1.863	73.00	1.37	0.03
		5300	/	/	1.360	1.862	73.04	1.36	0.03
		5320	/	/	1.360	1.862	73.04	1.36	0.02
		5500	/	/	1.361	1.863	73.05	1.36	0.03
		5580	/	/	1.360	1.862	73.04	1.36	0.03
		5700	/	/	1.360	1.862	73.04	1.36	0.03
		5745	/	/	1.360	1.862	73.04	1.36	0.01
		5785	/	/	1.361	1.863	73.05	1.36	0.03
		5825	/	/	1.360	1.863	73.00	1.37	0.03
802.11n (HT20)	MIMO	5180	/	/	1.272	1.774	71.70	1.44	0.03
		5200	/	/	1.272	1.774	71.70	1.44	0.03
		5240	/	/	1.273	1.774	71.76	1.44	0.01
		5260	/	/	1.272	1.774	71.70	1.44	0.03
		5300	/	/	1.273	1.775	71.72	1.44	0.03
		5320	/	/	1.272	1.775	71.66	1.45	0.03
		5500	/	/	1.272	1.774	71.70	1.44	0.03
		5580	/	/	1.273	1.775	71.72	1.44	0.03
		5700	/	/	1.273	1.775	71.72	1.44	0.03
		5745	/	/	1.272	1.775	71.66	1.45	0.04
		5785	/	/	1.272	1.774	71.70	1.44	0.04
		5825	/	/	1.272	1.774	71.70	1.44	0.04
802.11n (HT40)	MIMO	5190	/	/	0.633	1.135	55.77	2.54	0.02
		5230	/	/	0.633	1.135	55.77	2.54	0.02
		5270	/	/	0.633	1.135	55.77	2.54	0.01
		5310	/	/	0.633	1.135	55.77	2.54	0.02
		5510	/	/	0.633	1.135	55.77	2.54	0.05
		5550	/	/	0.633	1.135	55.77	2.54	0.02
		5670	/	/	0.633	1.135	55.77	2.54	0.01
		5755	/	/	0.633	1.134	55.82	2.53	0.02
		5795	/	/	0.633	1.135	55.77	2.54	0.03
802.11ac (VHT20)	MIMO	5180	/	/	1.277	1.778	71.82	1.44	0.03
		5200	/	/	1.276	1.778	71.77	1.44	0.03
		5240	/	/	1.277	1.778	71.82	1.44	0.01
		5260	/	/	1.277	1.779	71.78	1.44	0.03
		5300	/	/	1.276	1.778	71.77	1.44	0.03
		5320	/	/	1.277	1.779	71.78	1.44	0.06
		5500	/	/	1.277	1.779	71.78	1.44	0.06
		5580	/	/	1.277	1.778	71.82	1.44	0.03
		5700	/	/	1.277	1.778	71.82	1.44	0.03
		5745	/	/	1.277	1.779	71.78	1.44	0.03
		5785	/	/	1.277	1.778	71.82	1.44	0.01
		5825	/	/	1.276	1.778	71.77	1.44	0.07
802.11ac (VHT40)	MIMO	5190	/	/	0.637	1.139	55.93	2.52	0.03
		5230	/	/	0.636	1.139	55.84	2.53	0.04
		5270	/	/	0.636	1.138	55.89	2.53	0.03
		5310	/	/	0.637	1.138	55.98	2.52	0.00
		5510	/	/	0.637	1.139	55.93	2.52	0.02

		5550	/	/	0.636	1.138	55.89	2.53	0.03
		5670	/	/	0.637	1.139	55.93	2.52	0.02
		5755	/	/	0.637	1.139	55.93	2.52	0.03
		5795	/	/	0.637	1.139	55.93	2.52	0.00
802.11ac (VHT80)	MIMO	5210	/	/	0.317	0.819	38.71	4.12	0.03
		5290	/	/	0.317	0.819	38.71	4.12	0.01
		5530	/	/	0.317	0.819	38.71	4.12	0.03
		5610	/	/	0.317	0.819	38.71	4.12	0.03
		5775	/	/	0.317	0.819	38.71	4.12	0.01
802.11ax (HEW20)	MIMO	5180	SU	/	1.169	1.671	69.96	1.55	0.00
		5200	SU	/	1.169	1.671	69.96	1.55	0.00
		5240	SU	/	1.168	1.670	69.94	1.55	0.00
		5260	SU	/	1.168	1.670	69.94	1.55	0.00
		5300	SU	/	1.168	1.671	69.90	1.56	0.03
		5320	SU	/	1.168	1.671	69.90	1.56	0.03
		5500	SU	/	1.164	1.666	69.87	1.56	0.00
		5580	SU	/	1.164	1.666	69.87	1.56	0.00
		5700	SU	/	1.164	1.666	69.87	1.56	0.00
		5745	SU	/	1.164	1.666	69.87	1.56	0.01
		5785	SU	/	1.164	1.667	69.83	1.56	0.05
		5825	SU	/	1.165	1.667	69.89	1.56	0.00
802.11ax (HEW40)	MIMO	5190	SU	/	0.617	1.119	55.14	2.59	0.01
		5230	SU	/	0.616	1.118	55.10	2.59	0.01
		5270	SU	/	0.616	1.118	55.10	2.59	0.01
		5310	SU	/	0.617	1.119	55.14	2.59	0.03
		5510	SU	/	0.616	1.118	55.10	2.59	0.05
		5550	SU	/	0.617	1.119	55.14	2.59	0.01
		5670	SU	/	0.616	1.119	55.05	2.59	0.03
		5755	SU	/	0.616	1.118	55.10	2.59	0.01
		5795	SU	/	0.616	1.118	55.10	2.59	0.03
802.11ax (HEW80)	MIMO	5210	SU	/	0.332	0.834	39.81	4.00	0.03
		5290	SU	/	0.333	0.835	39.88	3.99	0.03
		5530	SU	/	0.332	0.834	39.81	4.00	0.03
		5610	SU	/	0.332	0.834	39.81	4.00	0.02
		5775	SU	/	0.332	0.834	39.81	4.00	0.01

1.1.2 Ant2

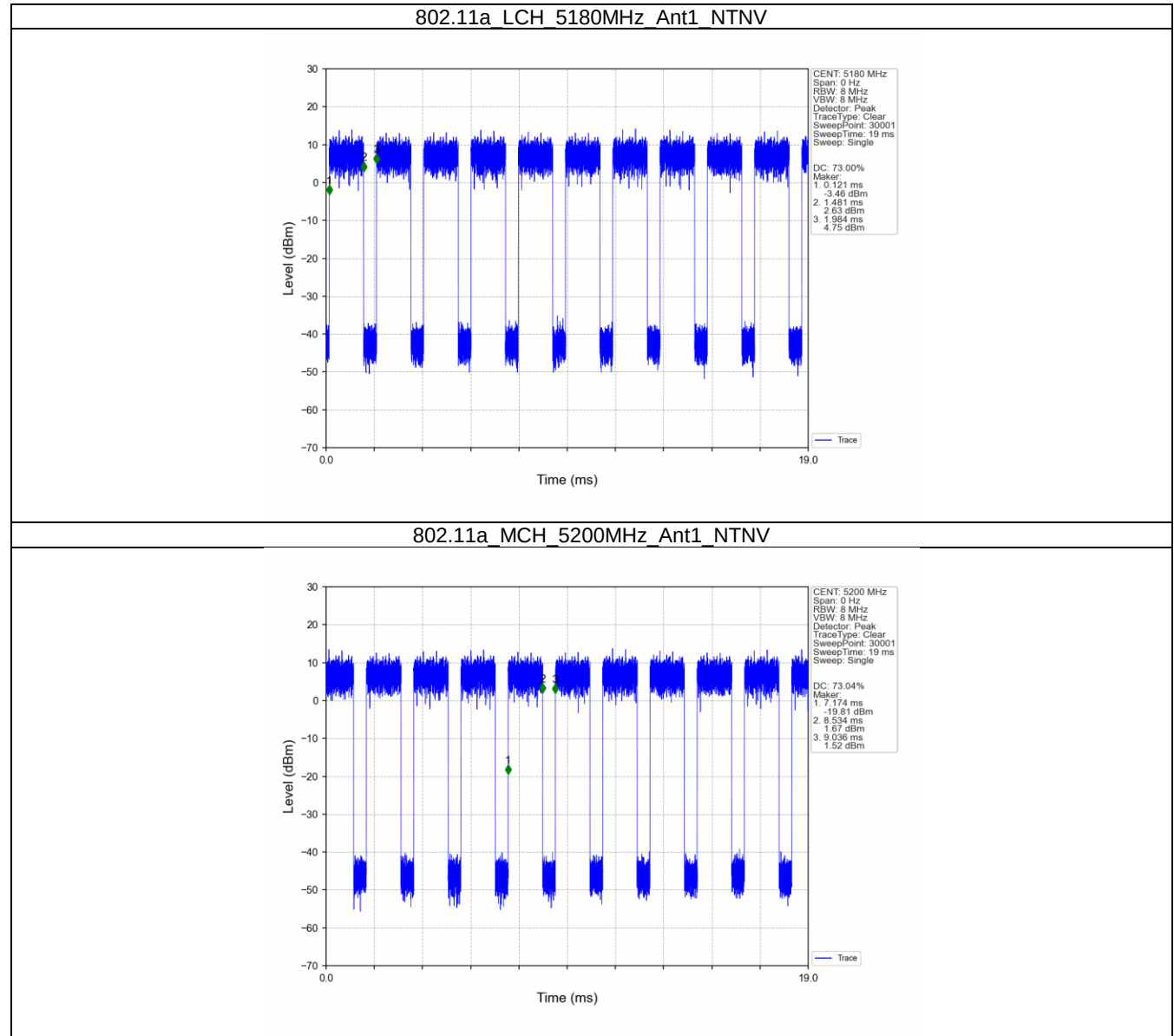
Ant2									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	1.360	1.862	73.04	1.36	0.03
		5200	/	/	1.361	1.863	73.05	1.36	0.03
		5240	/	/	1.361	1.863	73.05	1.36	0.03
		5260	/	/	1.361	1.863	73.05	1.36	0.03
		5300	/	/	1.361	1.863	73.05	1.36	0.02
		5320	/	/	1.361	1.862	73.09	1.36	0.01
		5500	/	/	1.360	1.862	73.04	1.36	0.03
		5580	/	/	1.360	1.862	73.04	1.36	0.01
		5700	/	/	1.360	1.862	73.04	1.36	0.01
		5745	/	/	1.360	1.862	73.04	1.36	0.03
		5785	/	/	1.360	1.862	73.04	1.36	0.01
		5825	/	/	1.361	1.862	73.09	1.36	0.03
802.11n (HT20)	MIMO	5180	/	/	1.273	1.775	71.72	1.44	0.01
		5200	/	/	1.272	1.774	71.70	1.44	0.01
		5240	/	/	1.272	1.774	71.70	1.44	0.01
		5260	/	/	1.272	1.774	71.70	1.44	0.03
		5300	/	/	1.273	1.775	71.72	1.44	0.03

		5320	/	/	1.272	1.774	71.70	1.44	0.01
		5500	/	/	1.272	1.775	71.66	1.45	0.03
		5580	/	/	1.272	1.774	71.70	1.44	0.06
		5700	/	/	1.272	1.774	71.70	1.44	0.03
		5745	/	/	1.272	1.774	71.70	1.44	0.03
		5785	/	/	1.272	1.775	71.66	1.45	0.03
		5825	/	/	1.273	1.775	71.72	1.44	0.03
802.11n (HT40)	MIMO	5190	/	/	0.633	1.135	55.77	2.54	0.03
		5230	/	/	0.633	1.135	55.77	2.54	0.03
		5270	/	/	0.633	1.135	55.77	2.54	0.03
		5310	/	/	0.633	1.135	55.77	2.54	0.03
		5510	/	/	0.633	1.134	55.82	2.53	0.01
		5550	/	/	0.633	1.135	55.77	2.54	0.01
		5670	/	/	0.633	1.135	55.77	2.54	0.03
802.11ac (VHT20)	MIMO	5755	/	/	0.633	1.135	55.77	2.54	0.02
		5795	/	/	0.632	1.134	55.73	2.54	0.03
		5180	/	/	1.277	1.779	71.78	1.44	0.03
		5200	/	/	1.276	1.778	71.77	1.44	0.03
		5240	/	/	1.277	1.778	71.82	1.44	0.03
		5260	/	/	1.277	1.779	71.78	1.44	0.03
		5300	/	/	1.277	1.779	71.78	1.44	0.03
		5320	/	/	1.276	1.778	71.77	1.44	0.03
		5500	/	/	1.277	1.779	71.78	1.44	0.03
		5580	/	/	1.277	1.778	71.82	1.44	0.03
		5700	/	/	1.276	1.778	71.77	1.44	0.03
		5745	/	/	1.277	1.779	71.78	1.44	0.03
		5785	/	/	1.276	1.778	71.77	1.44	0.03
		5825	/	/	1.277	1.779	71.78	1.44	0.03
802.11ac (VHT40)	MIMO	5190	/	/	0.637	1.138	55.98	2.52	0.03
		5230	/	/	0.637	1.139	55.93	2.52	0.00
		5270	/	/	0.637	1.139	55.93	2.52	0.00
		5310	/	/	0.637	1.139	55.93	2.52	0.00
		5510	/	/	0.637	1.138	55.98	2.52	0.02
		5550	/	/	0.637	1.139	55.93	2.52	0.02
		5670	/	/	0.636	1.138	55.89	2.53	0.01
802.11ac (VHT80)	MIMO	5755	/	/	0.637	1.139	55.93	2.52	0.00
		5795	/	/	0.637	1.139	55.93	2.52	0.00
		5210	/	/	0.316	0.818	38.63	4.13	0.03
		5290	/	/	0.317	0.819	38.71	4.12	0.03
		5530	/	/	0.317	0.818	38.75	4.12	0.03
802.11ax (HEW20)	MIMO	5610	/	/	0.317	0.819	38.71	4.12	0.03
		5775	/	/	0.317	0.819	38.71	4.12	0.03
		5180	SU	/	1.168	1.670	69.94	1.55	0.00
		5200	SU	/	1.169	1.671	69.96	1.55	0.00
		5240	SU	/	1.169	1.671	69.96	1.55	0.00
		5260	SU	/	1.169	1.671	69.96	1.55	0.00
		5300	SU	/	1.168	1.670	69.94	1.55	0.00
		5320	SU	/	1.168	1.670	69.94	1.55	0.03
		5500	SU	/	1.164	1.667	69.83	1.56	0.00
		5580	SU	/	1.165	1.667	69.89	1.56	0.00
		5700	SU	/	1.164	1.666	69.87	1.56	0.00
		5745	SU	/	1.164	1.666	69.87	1.56	0.00
802.11ax (HEW40)	MIMO	5785	SU	/	1.164	1.666	69.87	1.56	0.03
		5825	SU	/	1.164	1.666	69.87	1.56	0.03
		5190	SU	/	0.617	1.119	55.14	2.59	0.03
		5230	SU	/	0.617	1.119	55.14	2.59	0.03
		5270	SU	/	0.616	1.119	55.05	2.59	0.02
		5310	SU	/	0.616	1.118	55.10	2.59	0.03
		5510	SU	/	0.616	1.118	55.10	2.59	0.01

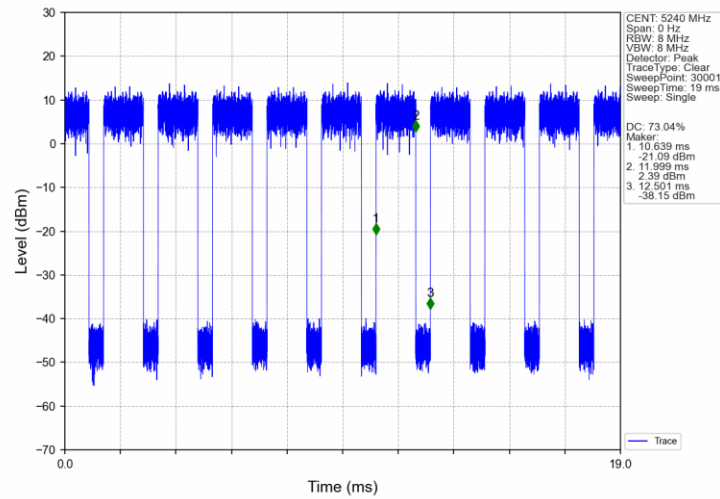
802.11ax (HEW80)		5550	SU	/	0.617	1.119	55.14	2.59	0.01
		5670	SU	/	0.617	1.119	55.14	2.59	0.03
		5755	SU	/	0.616	1.118	55.10	2.59	0.02
		5795	SU	/	0.616	1.119	55.05	2.59	0.03
	MIMO	5210	SU	/	0.332	0.834	39.81	4.00	0.03
		5290	SU	/	0.332	0.834	39.81	4.00	0.01
		5530	SU	/	0.333	0.835	39.88	3.99	0.03
		5610	SU	/	0.333	0.835	39.88	3.99	0.02
		5775	SU	/	0.333	0.835	39.88	3.99	0.03

1.2 Test Graph

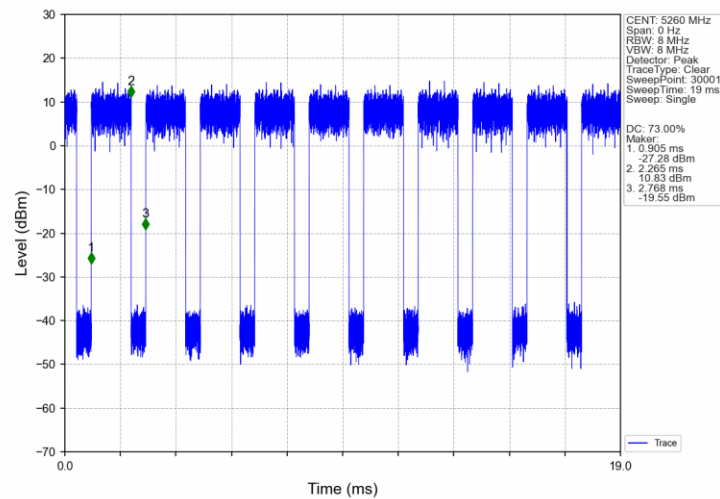
1.2.1 Ant1



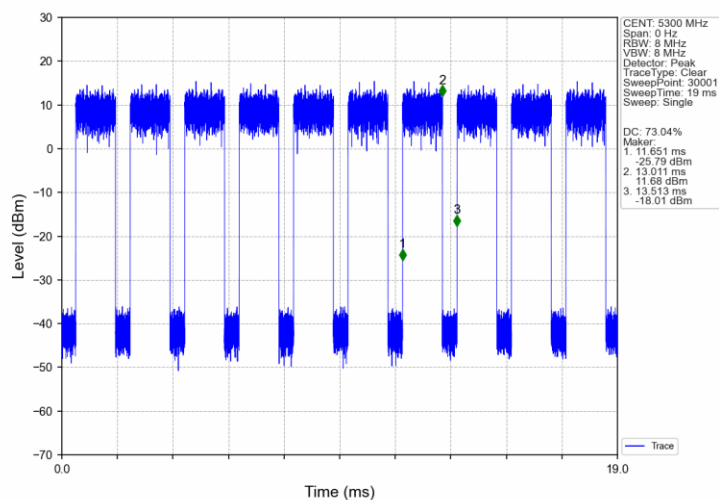
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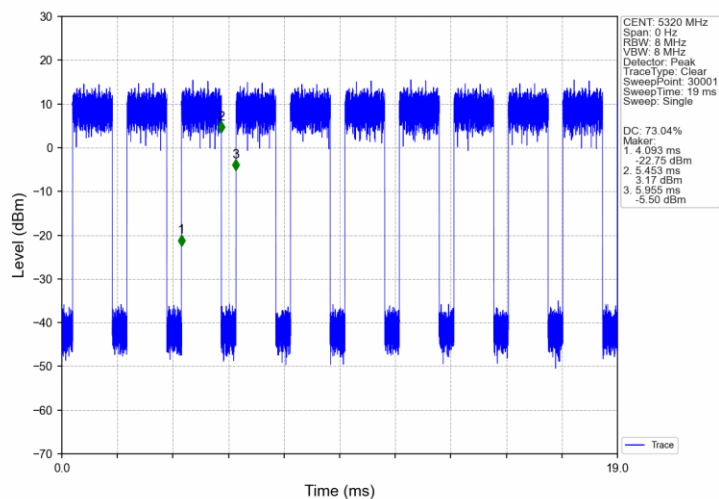
802.11a_LCH_5260MHz_Ant1_NTNV



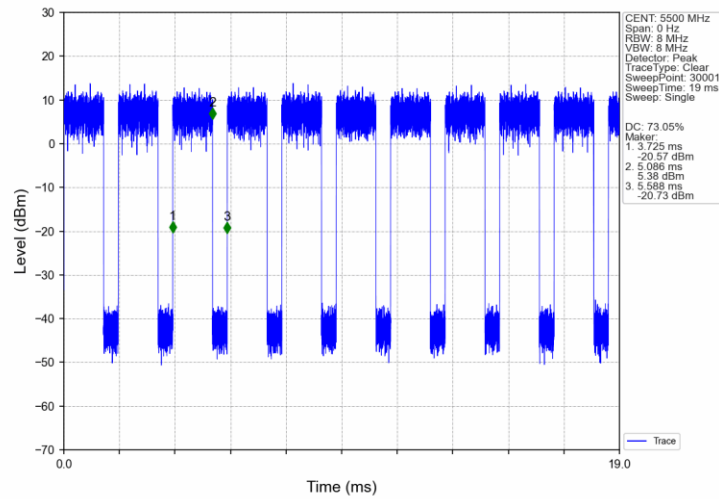
802.11a_MCH_5300MHz_Ant1_NTNV



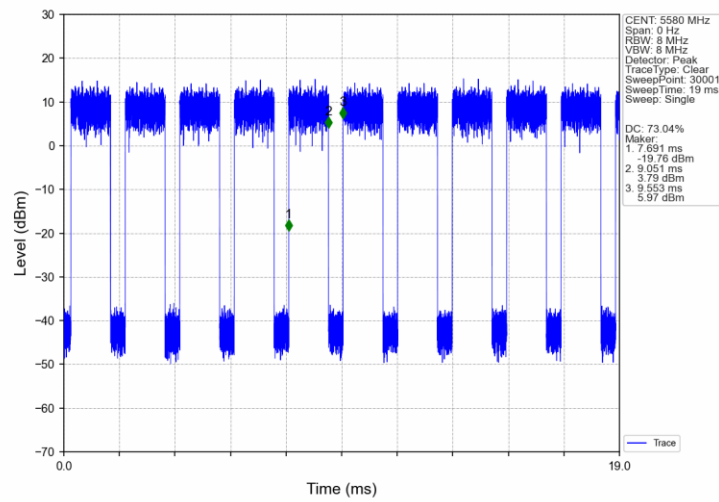
802.11a_HCH_5320MHz_Ant1_NTNV



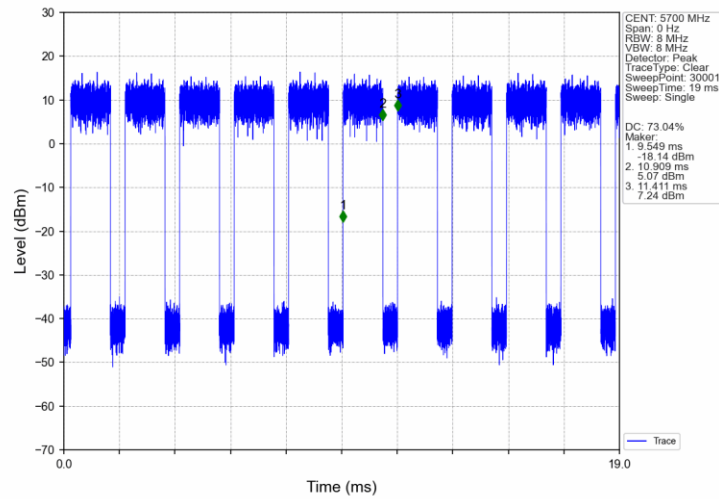
802.11a LCH 5500MHz Ant1 NTV



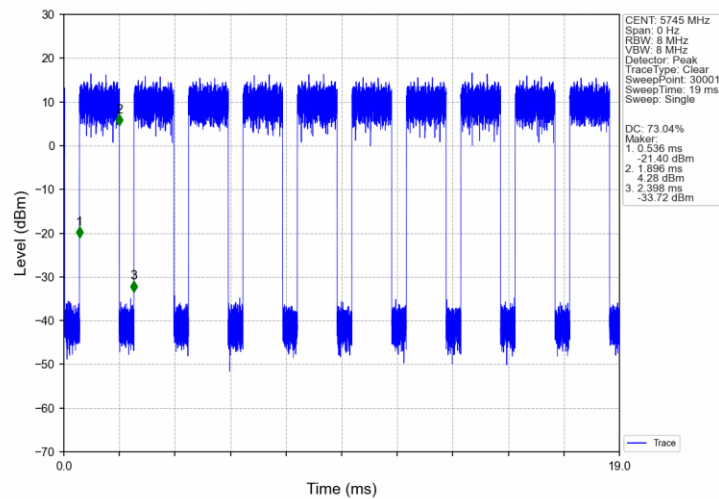
802.11a_MCH 5580MHz_Ant1_NTV



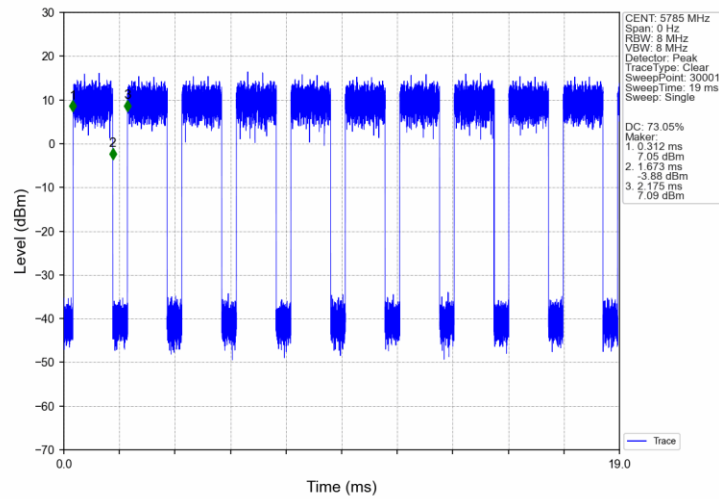
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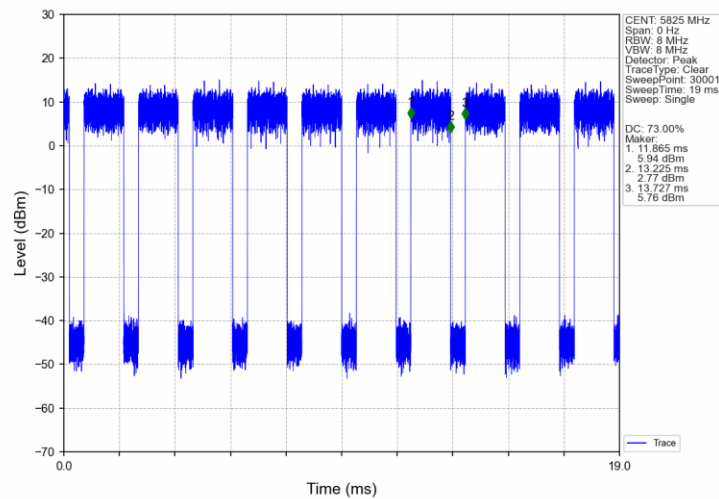
802.11a_LCH_5745MHz_Ant1_NTNV



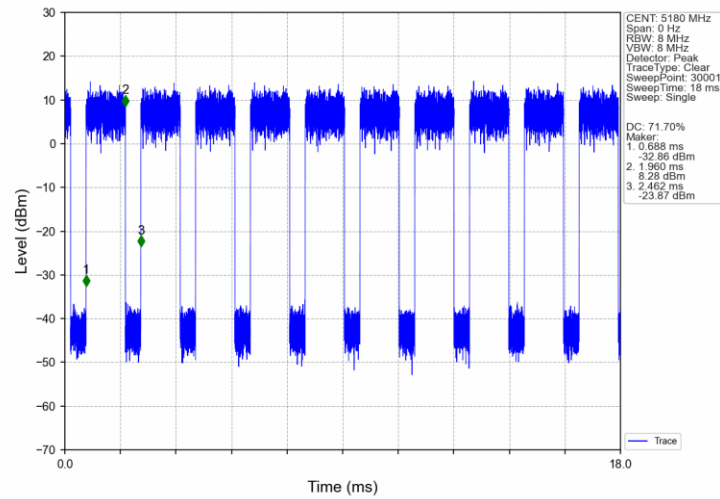
802.11a_MCH_5785MHz_Ant1_NTNV



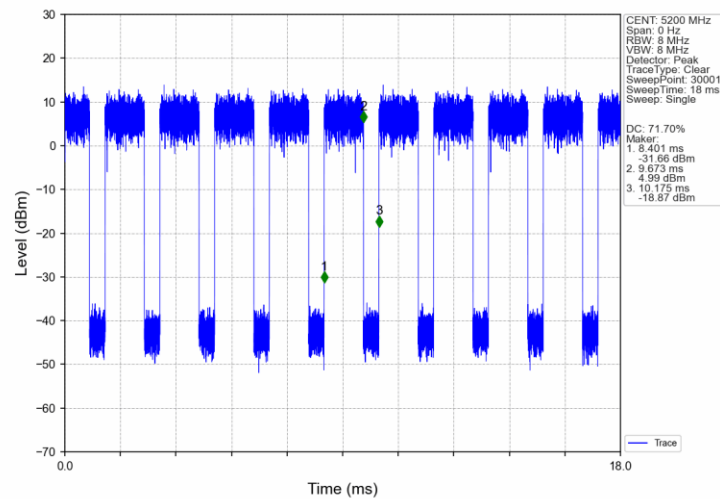
802.11a_HCH_5825MHz_Ant1_NTNV



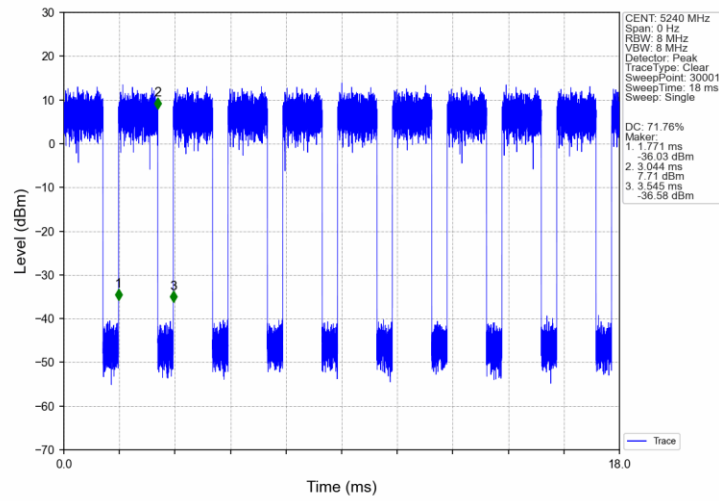
802.11n(HT20) LCH 5180MHz Ant1 NTN



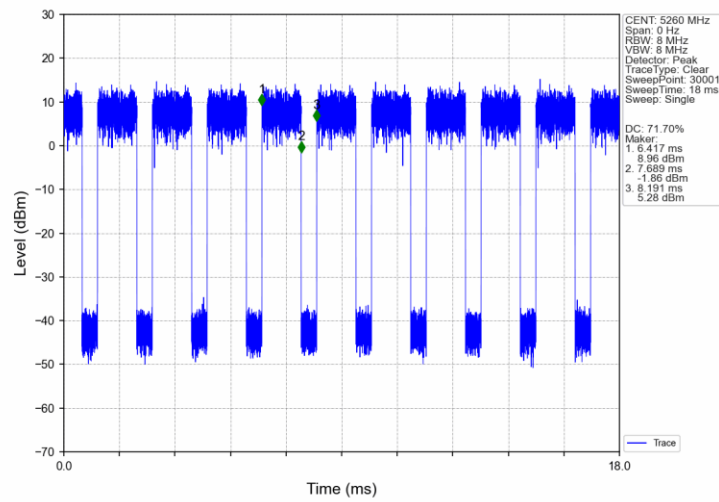
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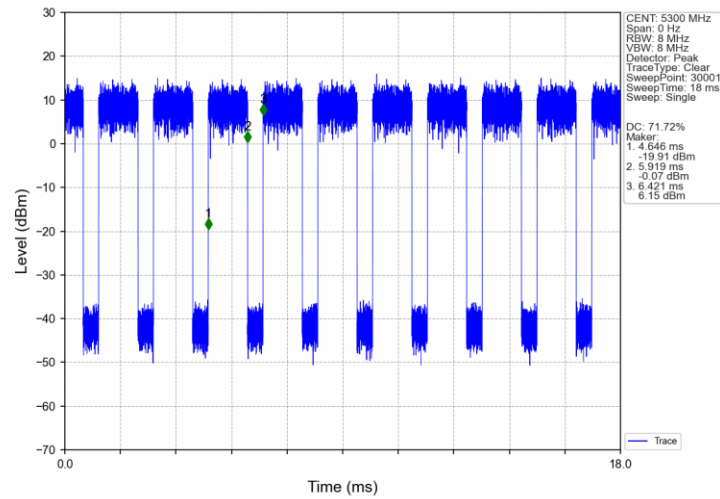
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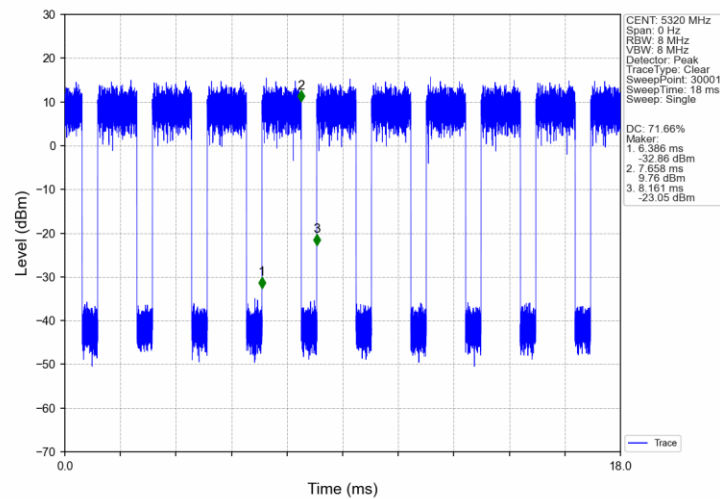
802.11n(HT20) LCH 5260MHz Ant1 NTV



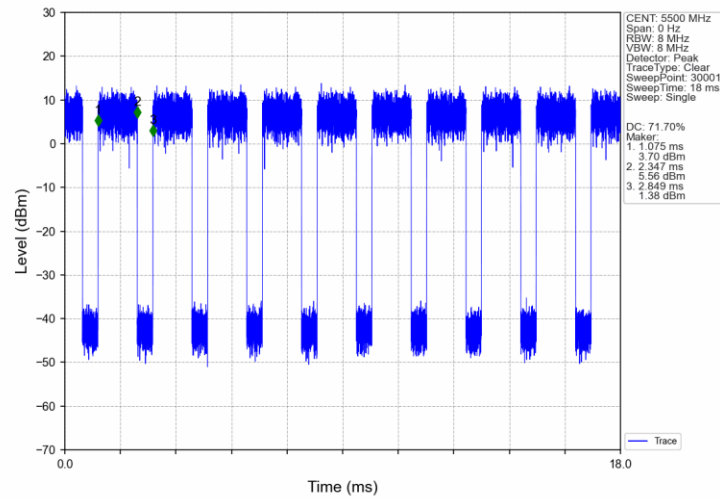
802.11n(HT20) MCH 5300MHz Ant1 NTN



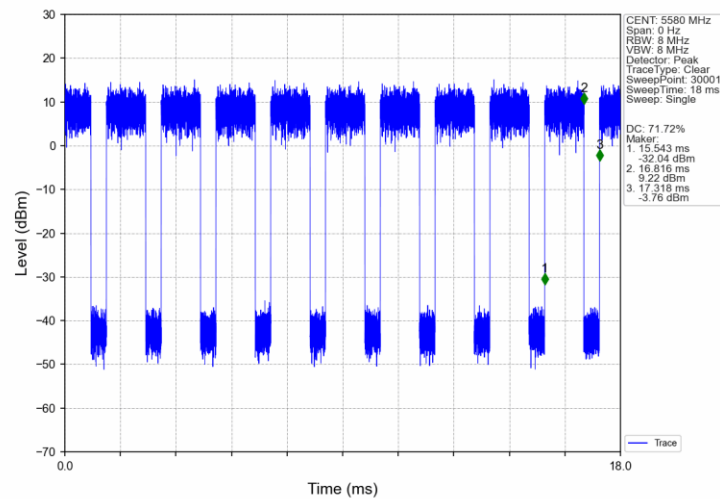
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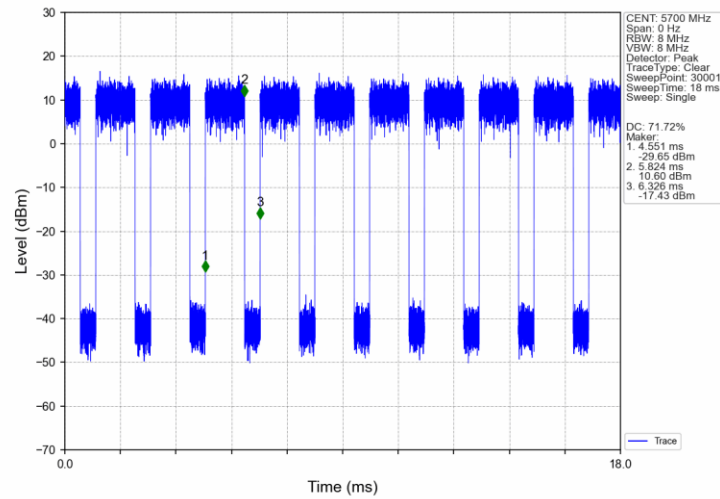
802.11n(HT20) LCH 5500MHz Ant1 NTN



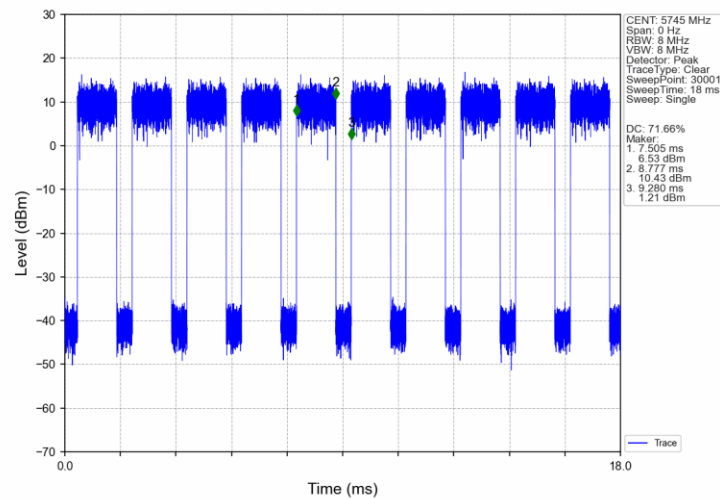
802.11n(HT20) MCH 5580MHz Ant1 NTN



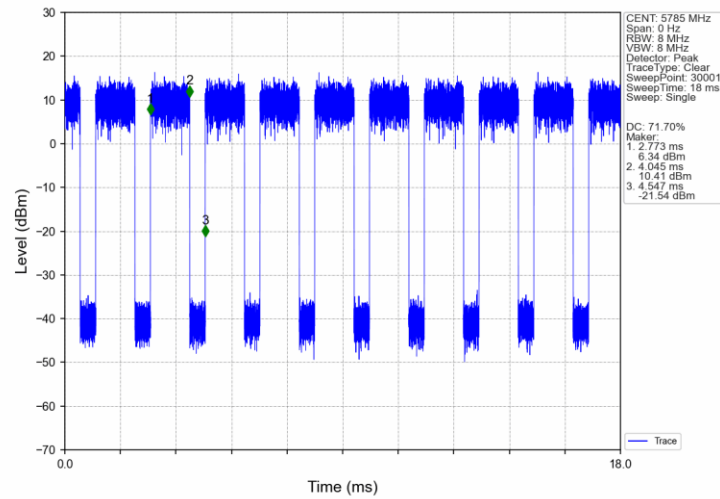
802.11n(HT20) HCH 5700MHz Ant1 NTN



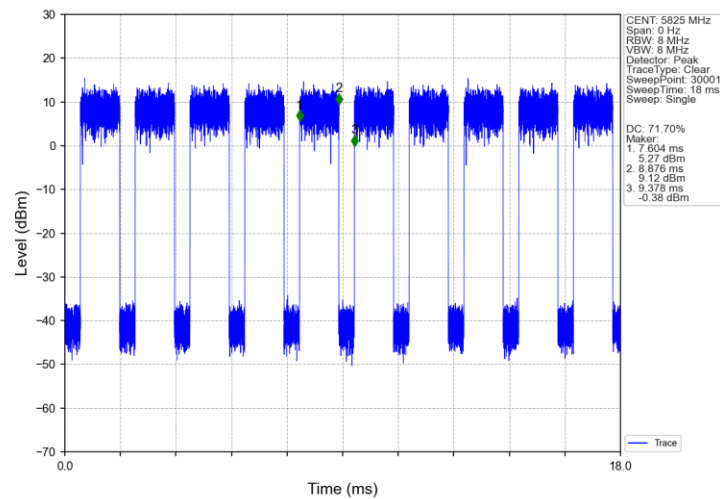
802.11n(HT20) LCH 5745MHz Ant1 NTN



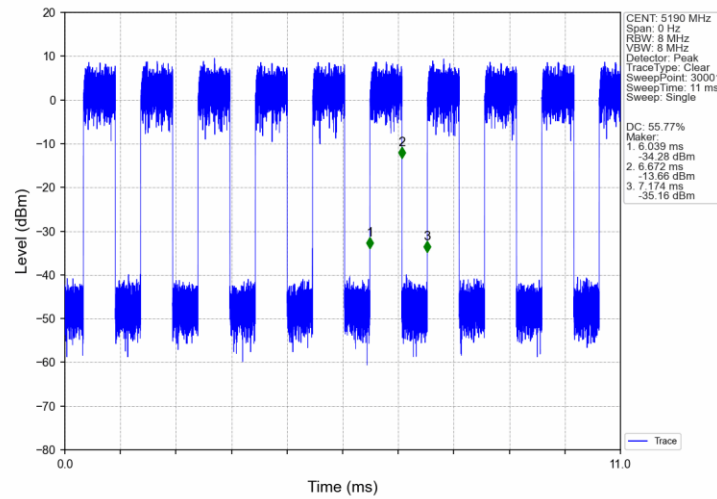
802.11n(HT20) MCH 5785MHz Ant1 NTN



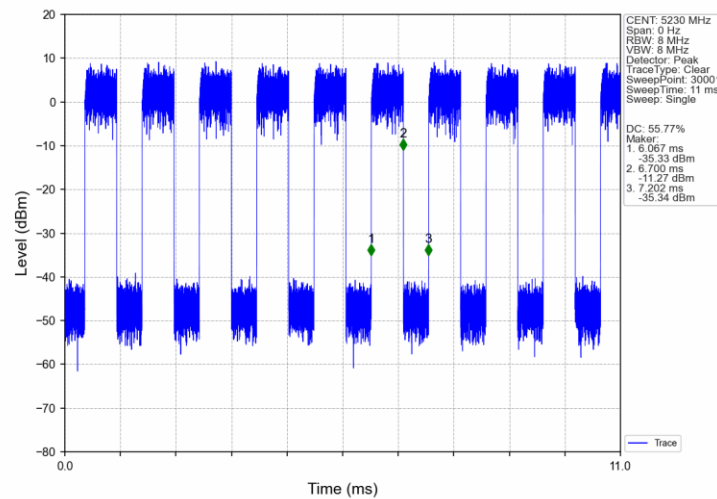
802.11n(HT20) HCH 5825MHz Ant1 NTN



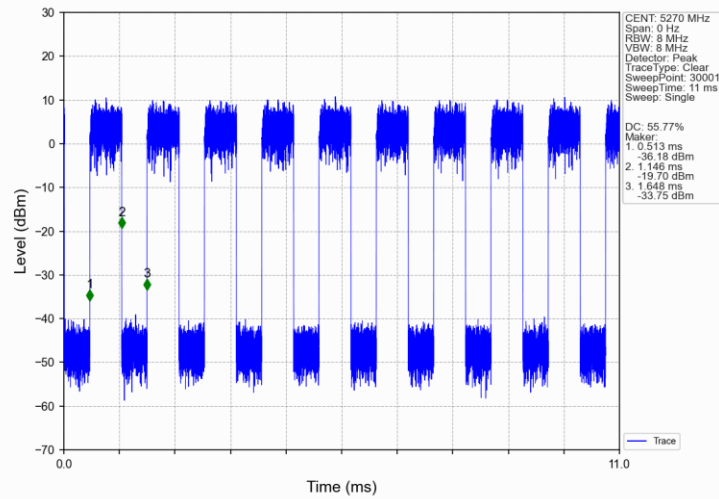
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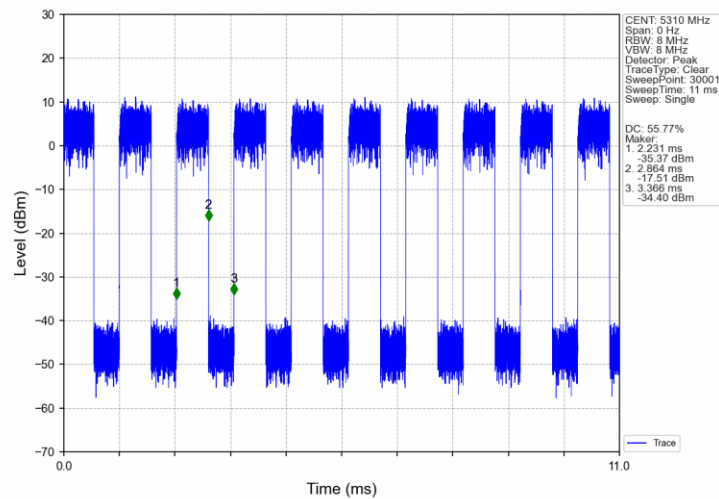
802.11n(HT40) HCH 5230MHz Ant1 NTN



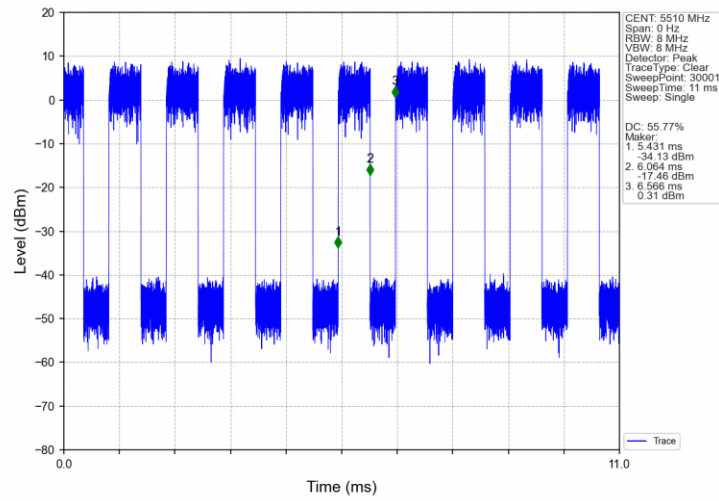
802.11n(HT40) LCH 5270MHz Ant1 NTN



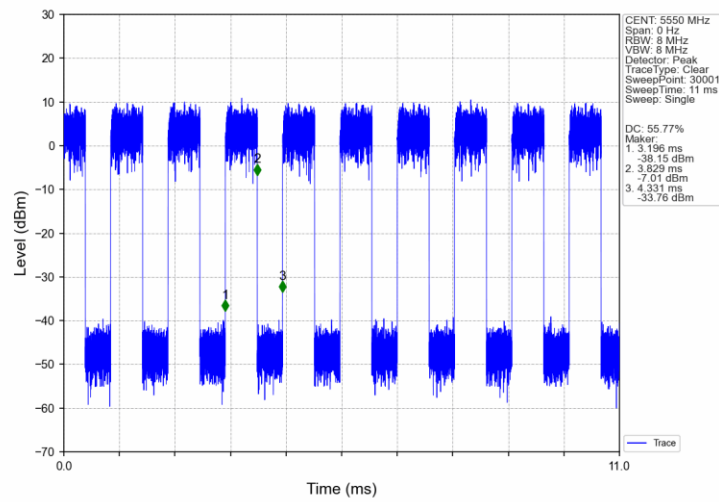
802.11n(HT40)_HCH 5310MHz_Ant1 NTN



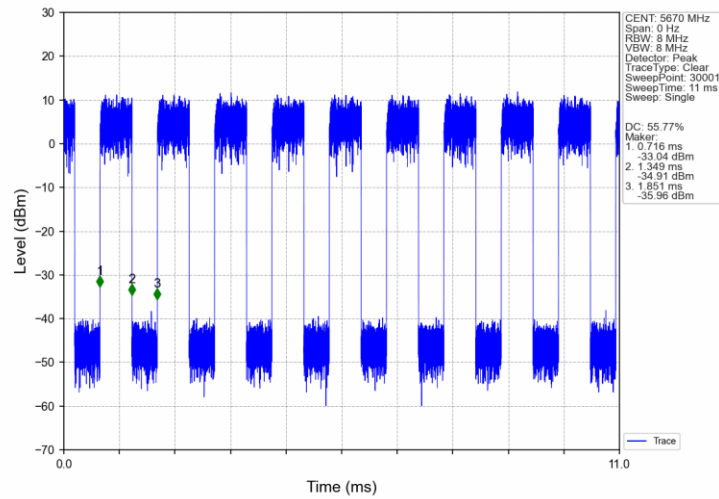
802.11n(HT40) LCH 5510MHz Ant1 NTN



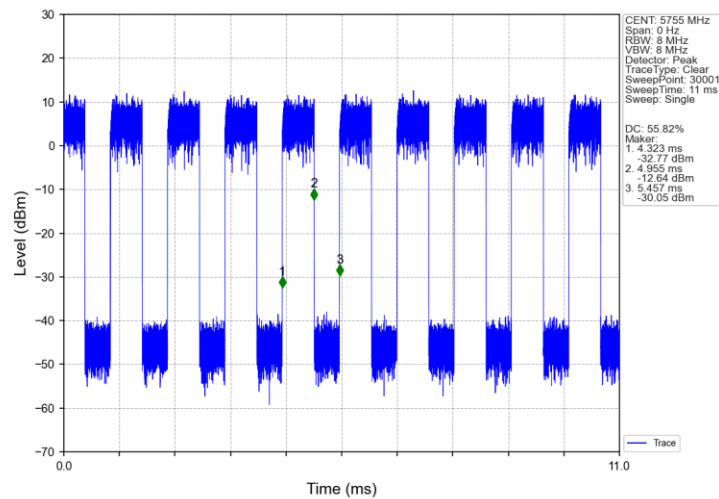
802.11n(HT40)_MCH_5550MHz_Ant1_NTN



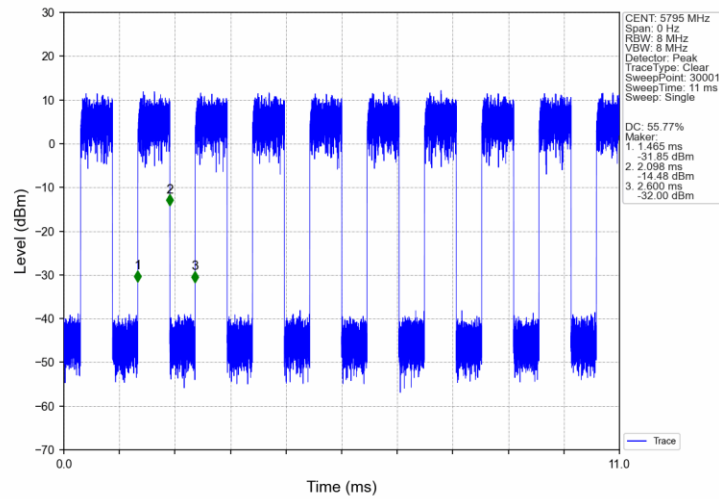
802.11n(HT40) HCH 5670MHz Ant1 NTN



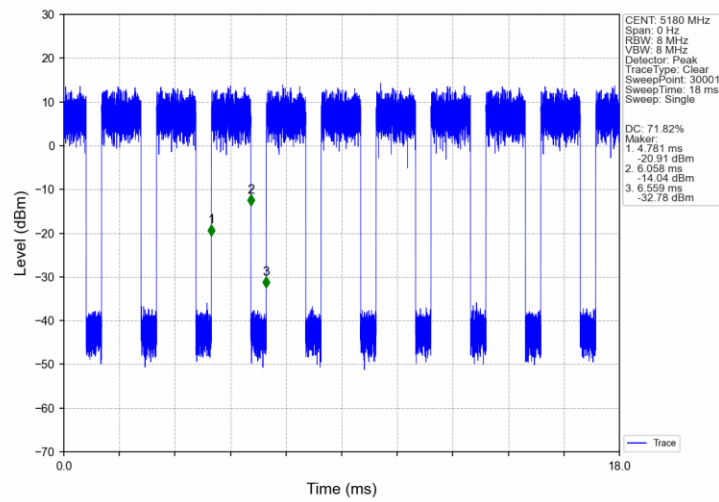
802.11n(HT40) LCH 5755MHz Ant1 NTN



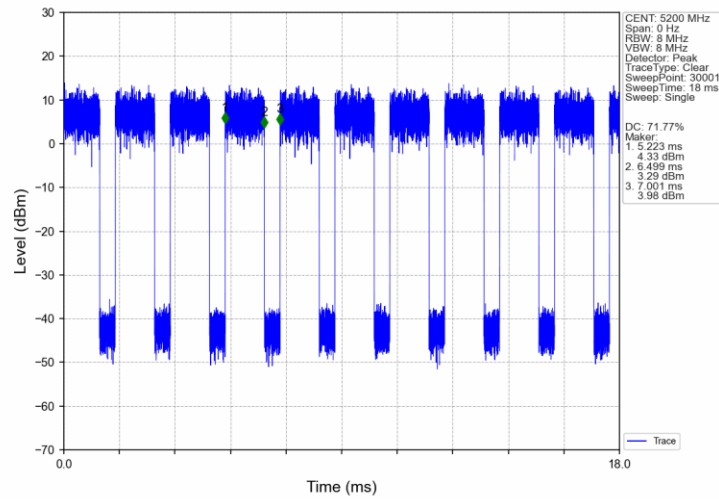
802.11n(HT40) HCH 5795MHz_Ant1_NTNV



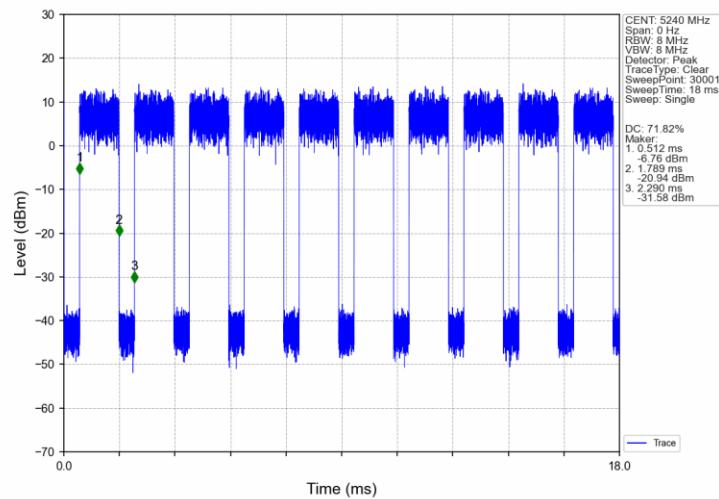
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



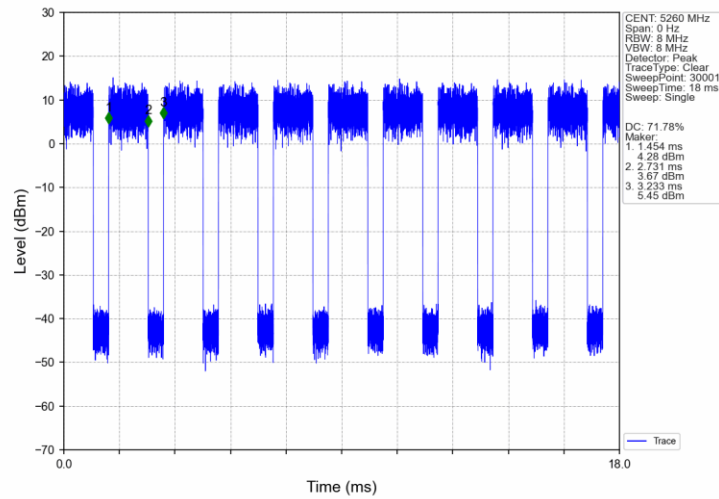
802.11ac(VHT20) MCH 5200MHz Ant1 NTN



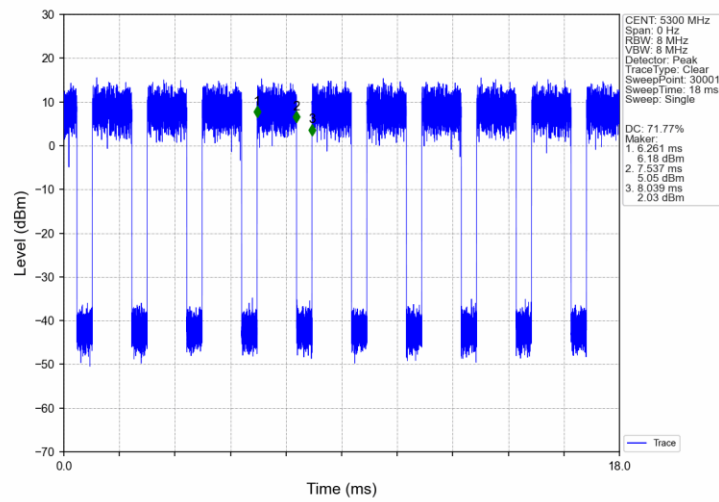
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



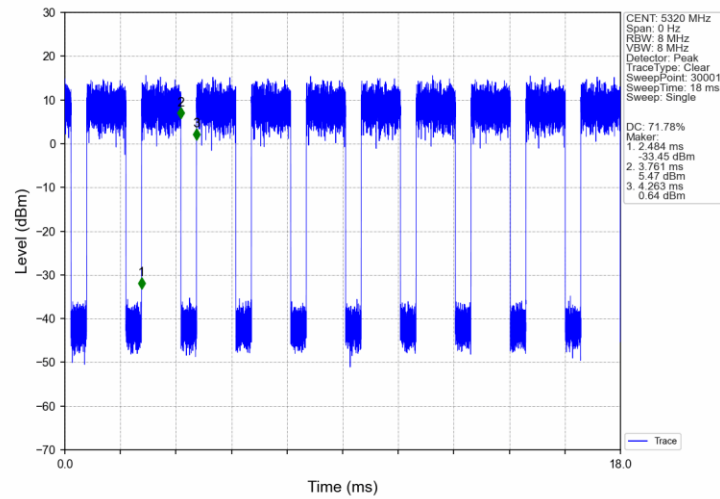
802.11ac(VHT20) LCH 5260MHz Ant1 NTN



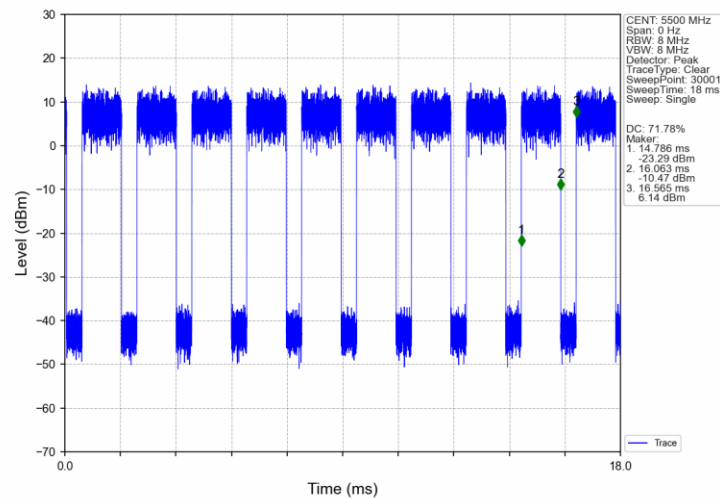
802.11ac(VHT20) MCH 5300MHz Ant1 NTN



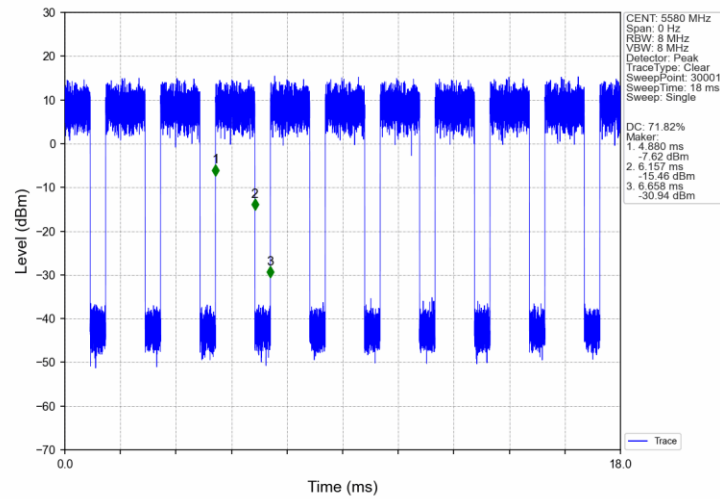
802.11ac(VHT20) HCH 5320MHz Ant1 NTN



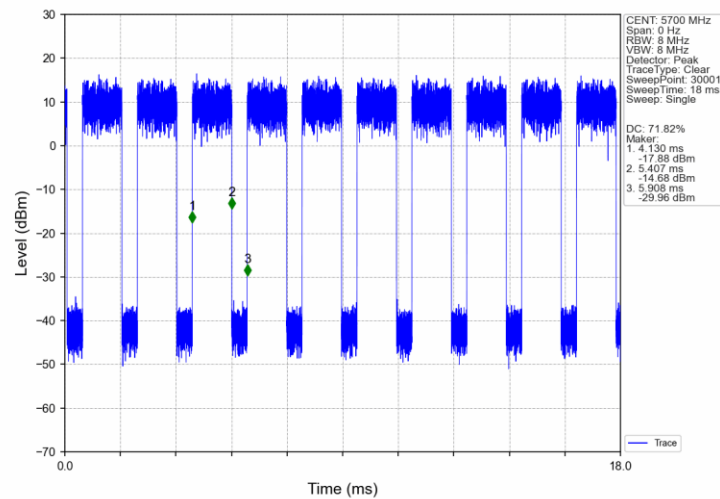
802.11ac(VHT20) LCH 5500MHz Ant1 NTN



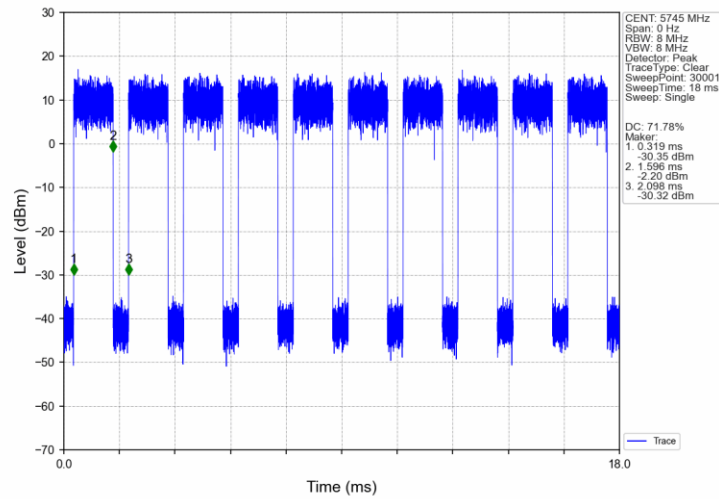
802.11ac(VHT20) MCH 5580MHz Ant1 NTN



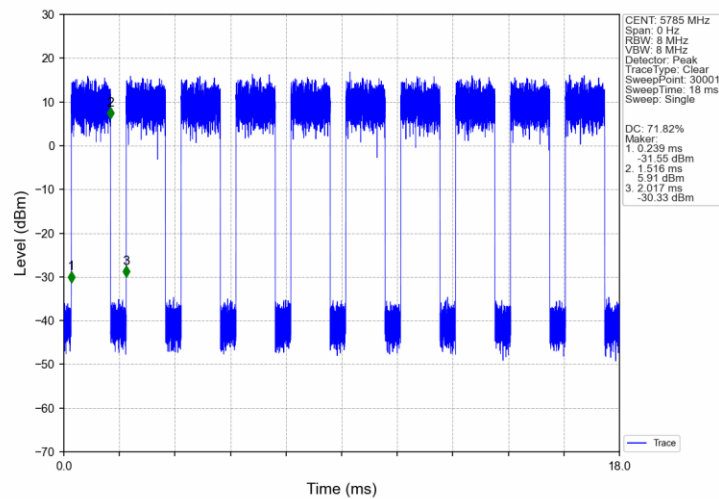
802.11ac(VHT20) HCH 5700MHz Ant1 NTN



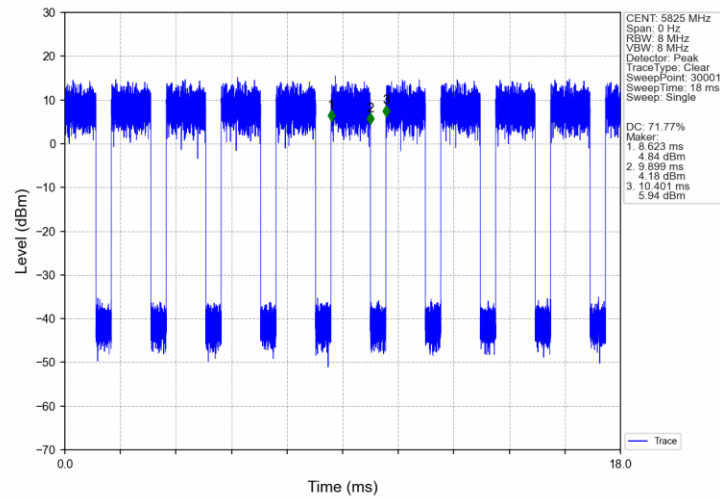
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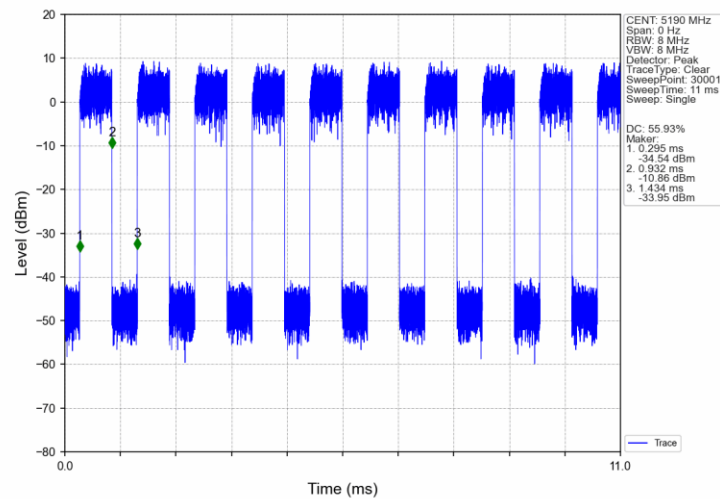
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



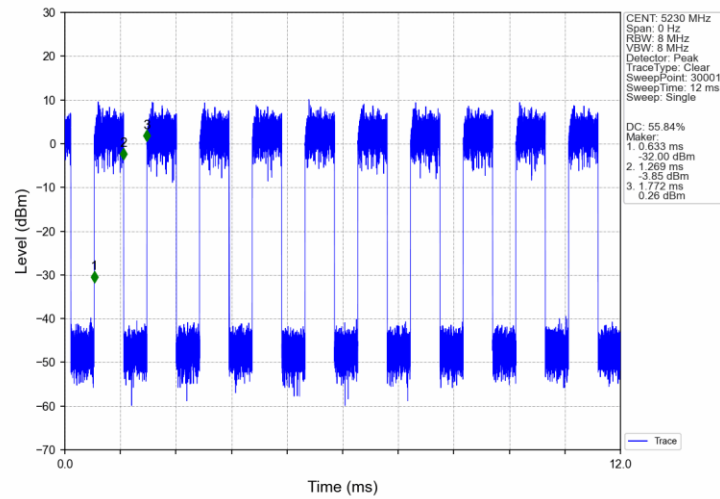
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



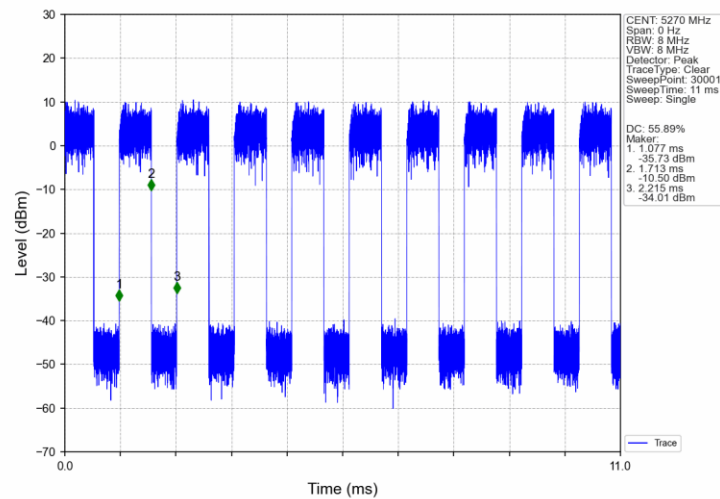
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



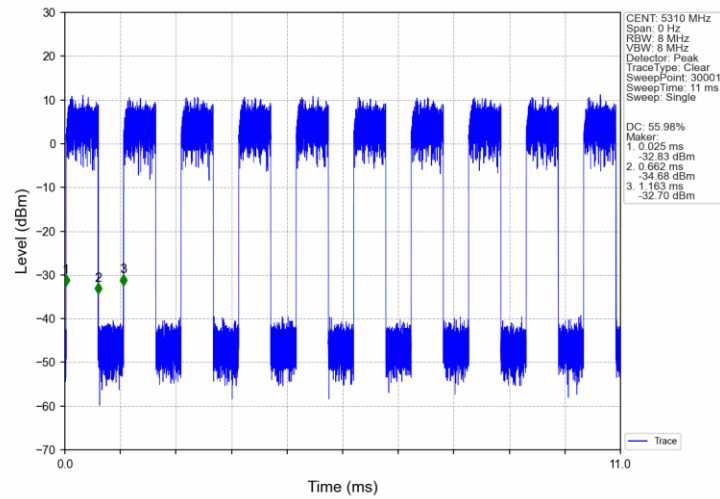
802.11ac(VHT40) HCH 5230MHz Ant1 NTN



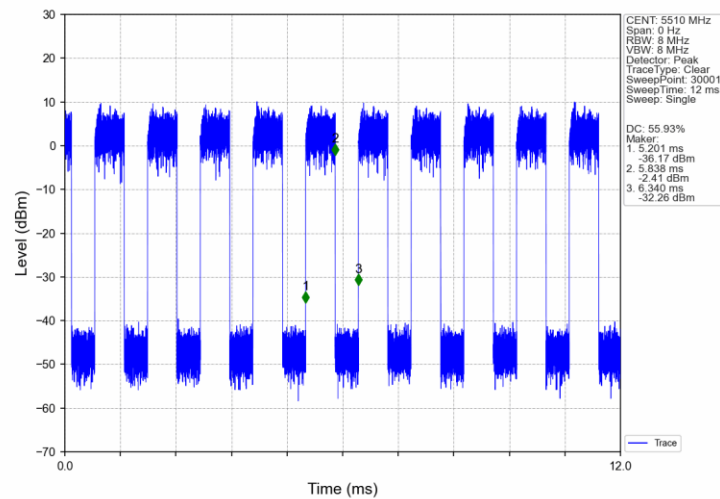
802.11ac(VHT40) LCH 5270MHz Ant1 NTN



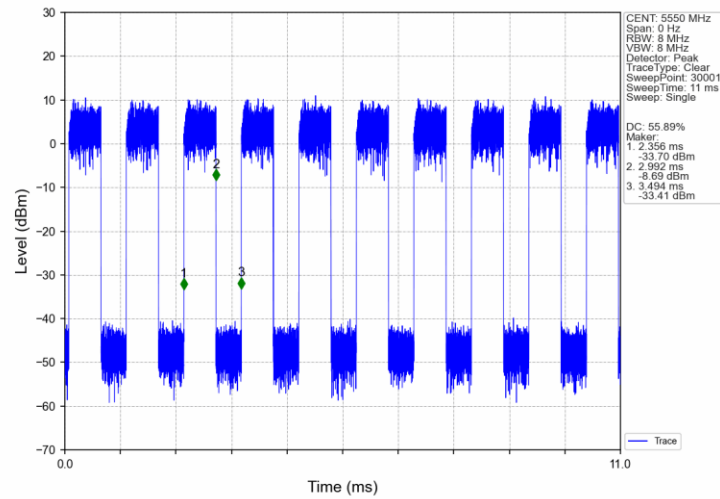
802.11ac(VHT40) HCH 5310MHz Ant1 NTN



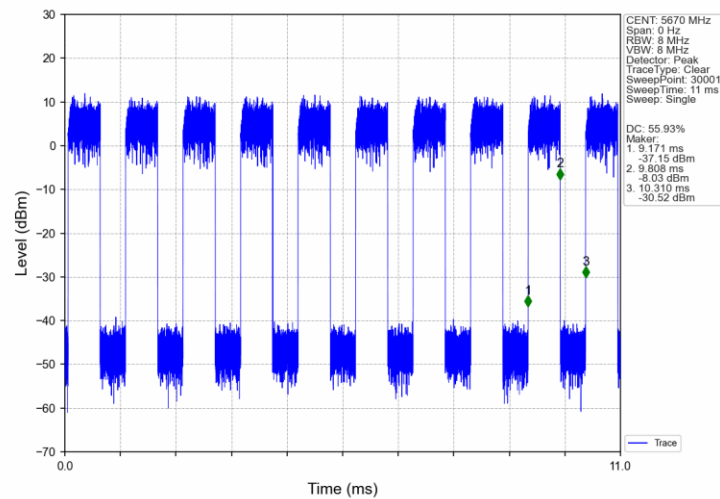
802.11ac(VHT40) LCH 5510MHz Ant1 NTN



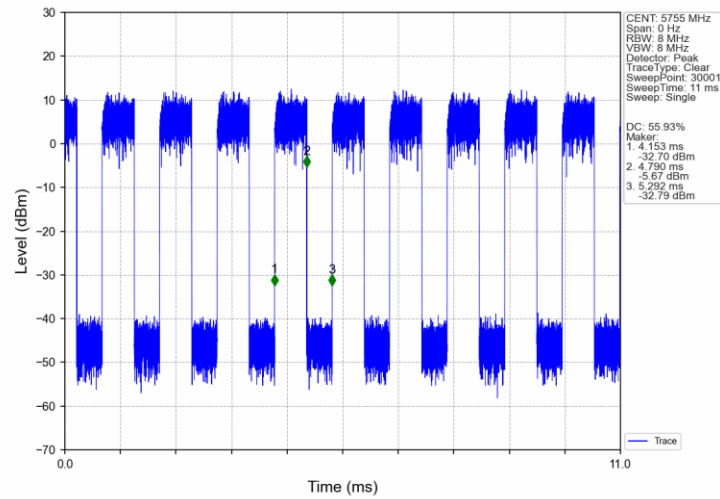
802.11ac(VHT40) MCH 5550MHz Ant1 NTN



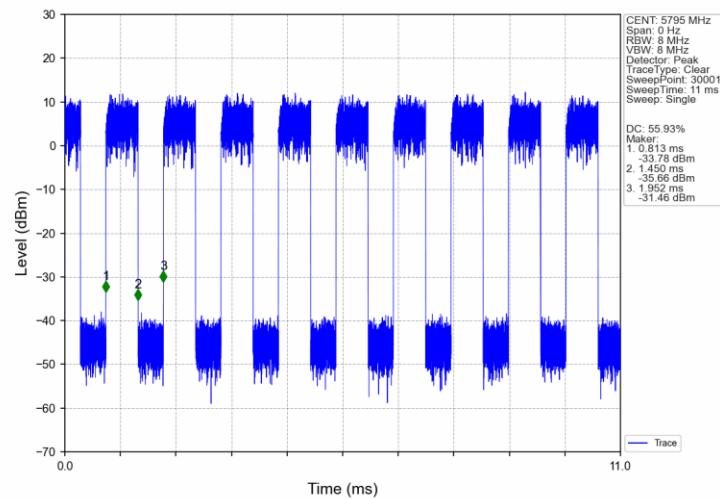
802.11ac(VHT40) HCH 5670MHz Ant1 NTN



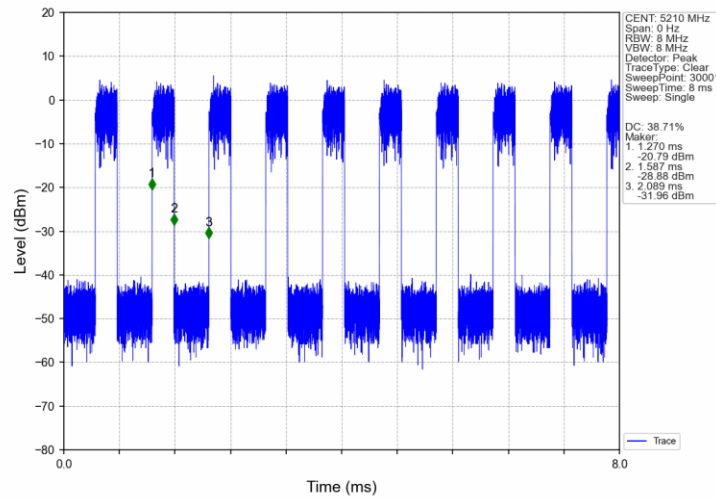
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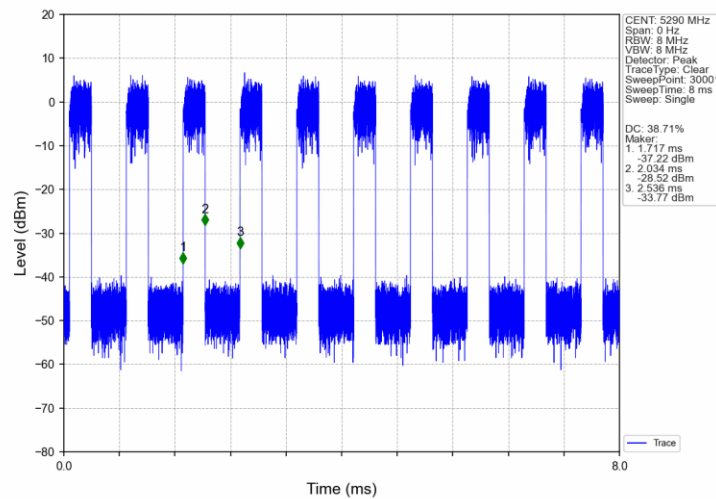
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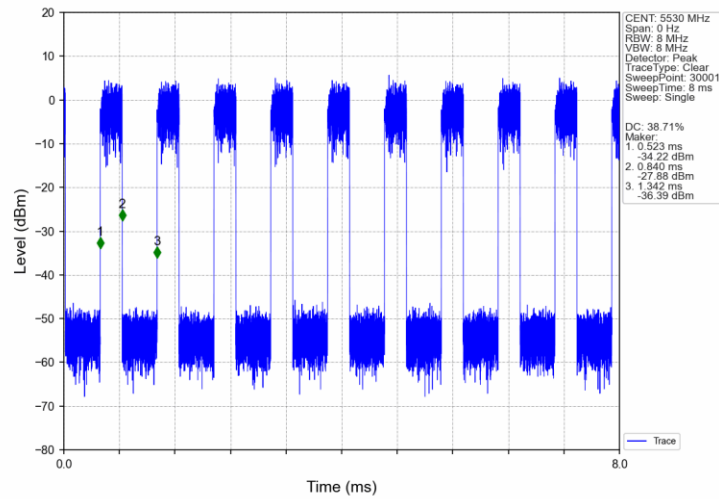
802.11ac(VHT80) MCH 5210MHz Ant1 NTN



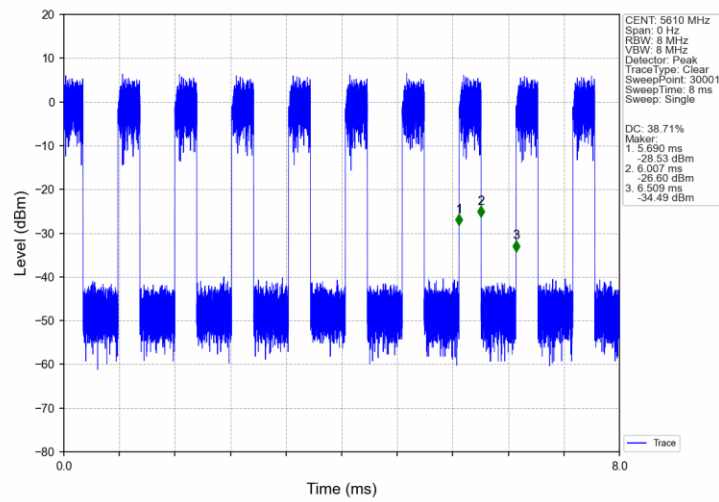
802.11ac(VHT80) MCH 5290MHz Ant1 NTN



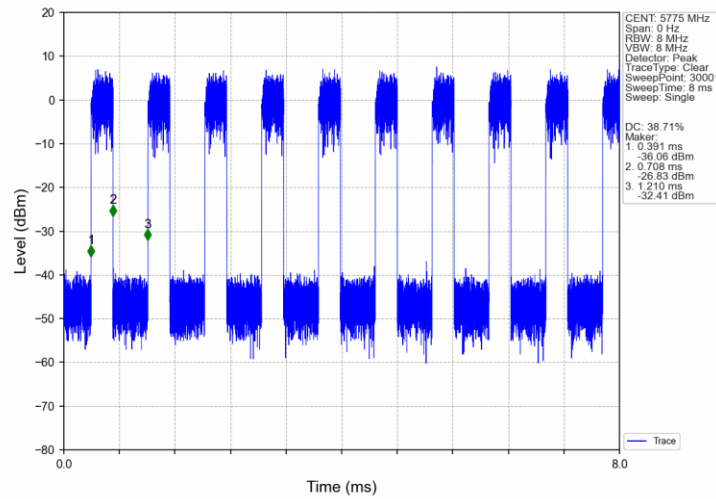
802.11ac(VHT80) LCH 5530MHz Ant1 NTN



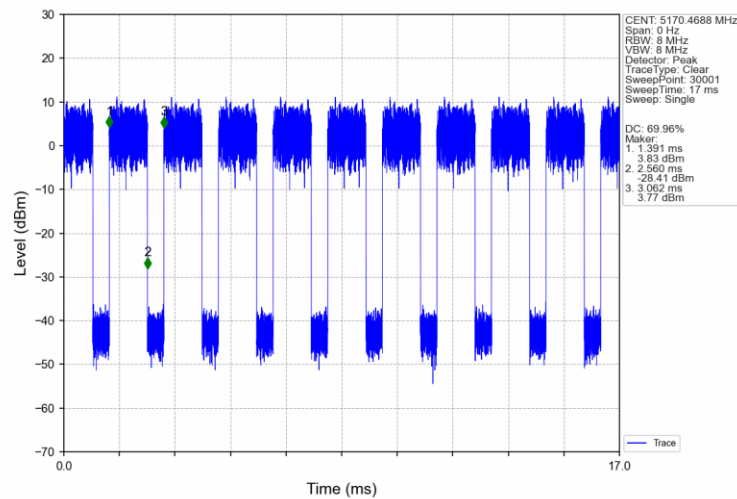
802.11ac(VHT80) HCH 5610MHz Ant1 NTN



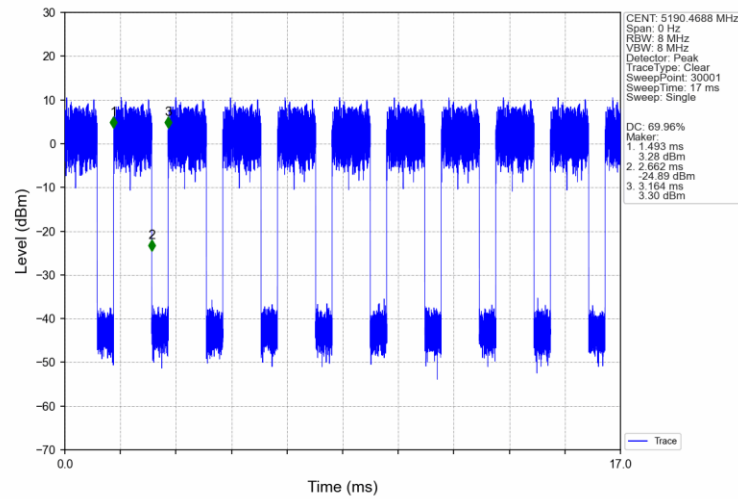
802.11ac(VHT80) MCH 5775MHz Ant1 NTNv



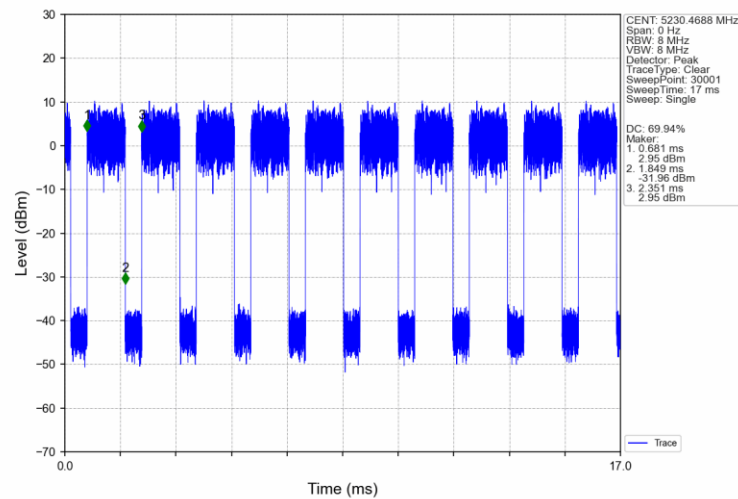
802.11ax(HEW20) LCH 5180MHz SU / Ant1 NTNv



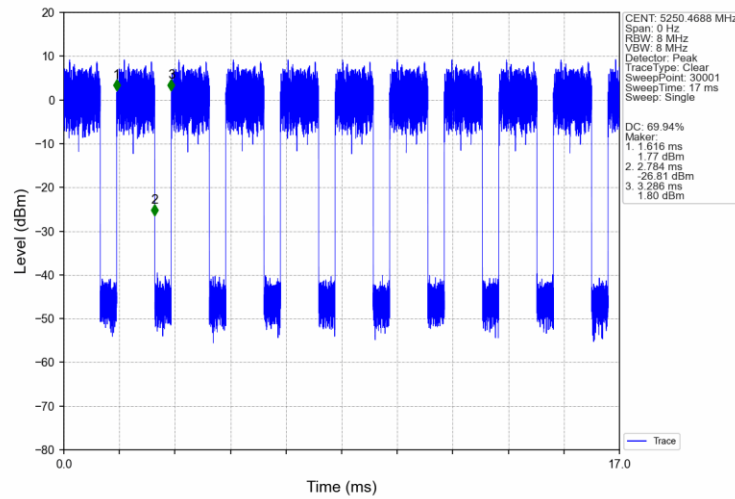
802.11ax(HEW20) MCH 5200MHz SU / Ant1 NTNv



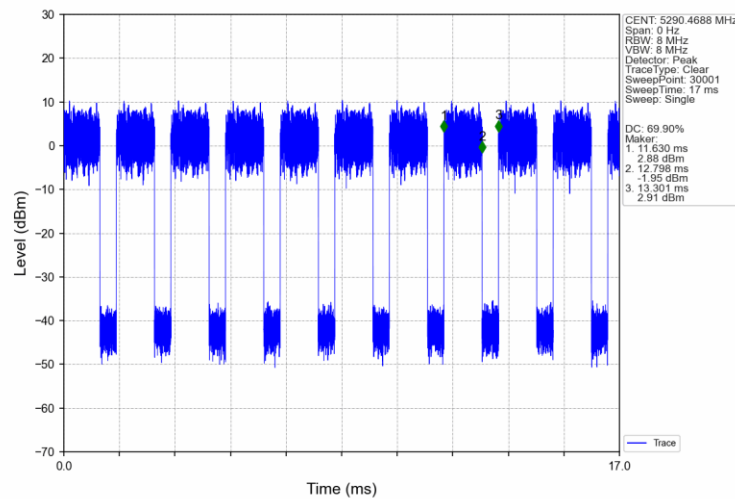
802.11ax(HEW20) HCH 5240MHz SU / Ant1 NTNv



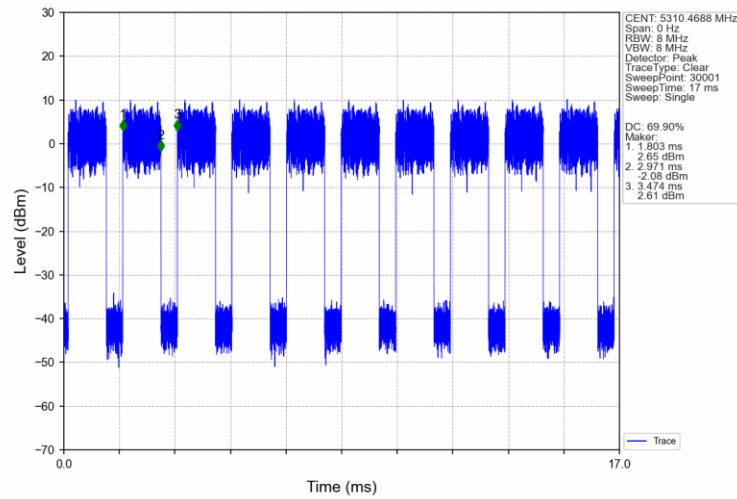
802.11ax(HEW20) LCH 5260MHz SU / Ant1 NTN



802.11ax(HEW20) MCH 5300MHz SU / Ant1 NTN



802.11ax(HEW20) HCH 5320MHz SU / Ant1 NTN



802.11ax(HEW20) LCH 5500MHz SU / Ant1 NTN

