

Appendix RF test data for WIFI5G

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	MIMO	5180	/	/	2.023	12.043	16.80	7.75	0.03
		5200	/	/	2.023	12.040	16.80	7.75	0.03
		5240	/	/	2.023	12.566	16.10	7.93	0.72
		5745	/	/	2.023	12.043	16.80	7.75	0.03
		5785	/	/	2.023	12.183	16.61	7.80	0.23
		5825	/	/	2.023	12.040	16.80	7.75	0.03
802.11n (HT20)	MIMO	5180	/	/	1.887	11.907	15.85	8.00	0.03
		5200	/	/	1.886	11.903	15.84	8.00	0.03
		5240	/	/	1.886	11.900	15.85	8.00	0.02
		5745	/	/	1.887	11.907	15.85	8.00	0.03
		5785	/	/	1.890	11.937	15.83	8.00	0.04
		5825	/	/	1.887	11.903	15.85	8.00	0.03
802.11n (HT40)	MIMO	5190	/	/	0.930	11.286	8.24	10.84	0.26
		5230	/	/	0.930	11.240	8.27	10.82	0.22
		5755	/	/	0.927	10.947	8.47	10.72	0.04
		5795	/	/	0.927	10.940	8.47	10.72	0.03
802.11ac (VHT20)	MIMO	5180	/	/	1.897	11.993	15.82	8.01	0.11
		5200	/	/	1.897	12.337	15.38	8.13	0.55
		5240	/	/	1.896	11.916	15.91	7.98	0.01
		5745	/	/	5.090	15.110	33.69	4.73	0.03
		5785	/	/	5.090	15.110	33.69	4.73	0.03
		5825	/	/	5.093	15.107	33.71	4.72	0.00
802.11ac (VHT40)	MIMO	5190	/	/	0.936	10.956	8.54	10.68	0.01
		5230	/	/	0.937	11.067	8.47	10.72	0.12
		5755	/	/	4.896	14.913	32.83	4.84	0.01
		5795	/	/	4.897	14.917	32.83	4.84	0.01
802.11ac (VHT80)	MIMO	5210	/	/	0.450	10.470	4.30	13.67	0.03
		5775	/	/	2.284	12.304	18.56	7.31	0.03
802.11ax (HEW20)	MIMO	5180	SU	/	1.457	11.477	12.69	8.96	0.03
		5200	SU	/	1.456	11.476	12.69	8.97	0.03
		5240	SU	/	1.457	11.474	12.70	8.96	0.03
		5745	SU	/	3.870	13.890	27.86	5.55	0.01
		5785	SU	/	3.870	13.890	27.86	5.55	0.01
		5825	SU	/	3.870	13.887	27.87	5.55	0.01
802.11ax (HEW40)	MIMO	5190	SU	/	1.960	12.150	16.13	7.92	0.26
		5230	SU	/	1.960	11.973	16.37	7.86	0.02
		5755	SU	/	3.866	13.880	27.85	5.55	0.01
		5795	SU	/	3.866	13.953	27.71	5.57	0.15
802.11ax (HEW80)	MIMO	5210	SU	/	1.877	11.897	15.78	8.02	0.03
		5775	SU	/	1.876	11.890	15.78	8.02	0.02

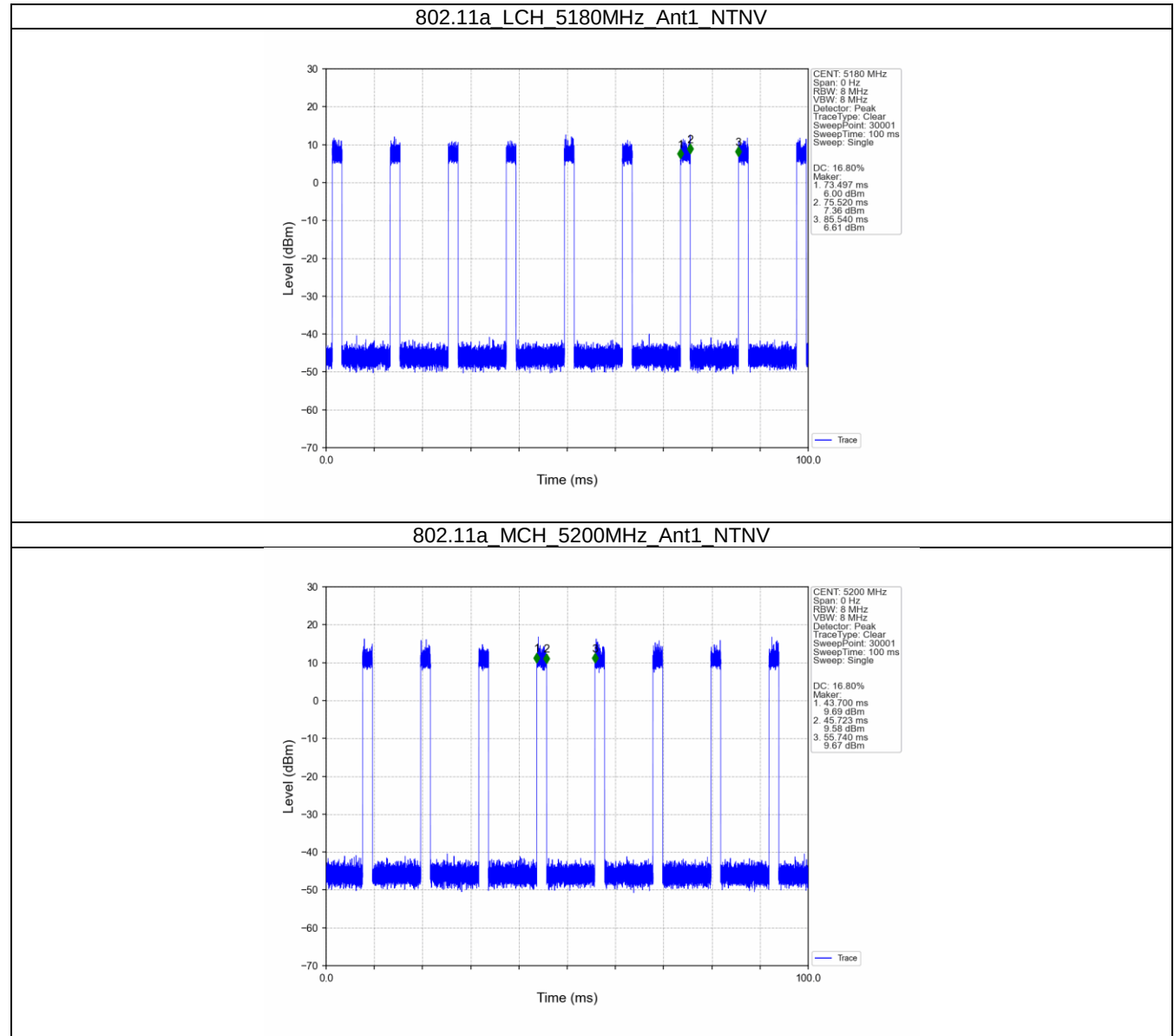
1.1.2 Ant2

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	MIMO	5180	/	/	2.024	12.044	16.81	7.75	0.03
		5200	/	/	2.023	12.040	16.80	7.75	0.03
		5240	/	/	2.024	12.040	16.81	7.74	0.03

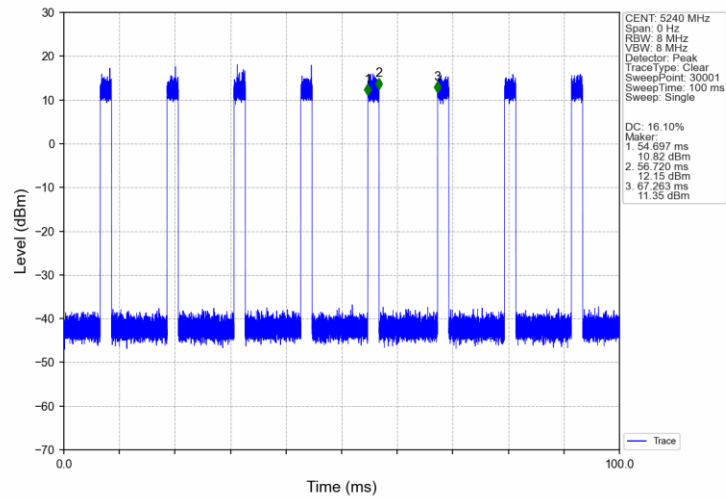
		5745	/	/	2.023	12.043	16.80	7.75	0.03
		5785	/	/	2.023	12.043	16.80	7.75	0.03
		5825	/	/	2.024	12.040	16.81	7.74	0.03
802.11n (HT20)	MIMO	5180	/	/	1.887	11.907	15.85	8.00	0.03
		5200	/	/	1.887	11.903	15.85	8.00	0.03
		5240	/	/	1.890	12.003	15.75	8.03	0.13
		5745	/	/	1.886	11.906	15.84	8.00	0.03
		5785	/	/	1.890	11.937	15.83	8.00	0.05
		5825	/	/	1.886	11.906	15.84	8.00	0.03
802.11n (HT40)	MIMO	5190	/	/	0.926	10.946	8.46	10.73	0.03
		5230	/	/	0.927	10.940	8.47	10.72	0.03
		5755	/	/	0.927	10.947	8.47	10.72	0.03
		5795	/	/	0.927	10.947	8.47	10.72	0.03
802.11ac (VHT20)	MIMO	5180	/	/	1.897	11.917	15.92	7.98	0.01
		5200	/	/	1.897	11.917	15.92	7.98	0.01
		5240	/	/	1.897	11.917	15.92	7.98	0.01
		5745	/	/	5.090	15.110	33.69	4.73	0.03
		5785	/	/	5.093	15.110	33.71	4.72	0.01
		5825	/	/	5.090	15.107	33.69	4.72	0.02
802.11ac (VHT40)	MIMO	5190	/	/	0.937	11.160	8.40	10.76	0.16
		5230	/	/	0.937	10.957	8.55	10.68	0.01
		5755	/	/	4.897	14.984	32.68	4.86	0.15
		5795	/	/	4.897	14.917	32.83	4.84	0.02
802.11ac (VHT80)	MIMO	5210	/	/	0.453	11.307	4.01	13.97	0.32
		5775	/	/	2.283	12.307	18.55	7.32	0.04
802.11ax (HEW20)	MIMO	5180	SU	/	1.457	11.477	12.69	8.96	0.03
		5200	SU	/	1.457	11.477	12.69	8.96	0.04
		5240	SU	/	1.457	11.477	12.69	8.96	0.01
		5745	SU	/	3.870	13.916	27.81	5.56	0.07
		5785	SU	/	3.870	13.890	27.86	5.55	0.03
802.11ax (HEW40)	MIMO	5825	SU	/	3.870	13.890	27.86	5.55	0.01
		5190	SU	/	1.960	11.980	16.36	7.86	0.03
		5230	SU	/	1.960	11.977	16.36	7.86	0.03
		5755	SU	/	3.867	13.887	27.85	5.55	0.01
802.11ax (HEW80)	MIMO	5795	SU	/	3.867	13.887	27.85	5.55	0.01
		5210	SU	/	1.877	11.917	15.75	8.03	0.06
		5775	SU	/	1.877	11.917	15.75	8.03	0.06

1.2 Test Graph

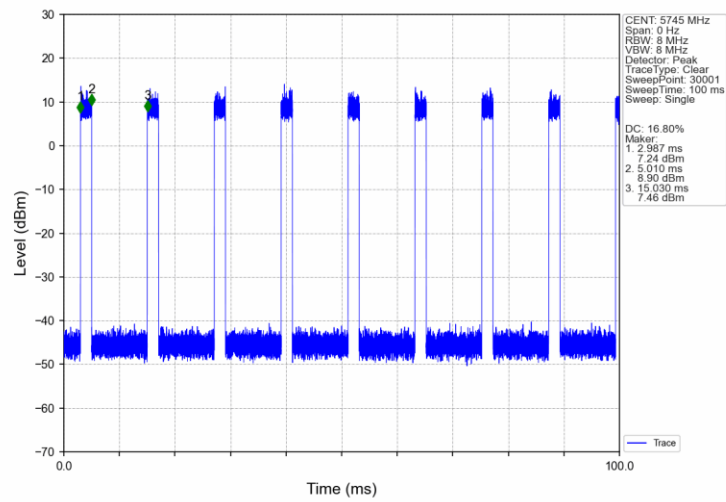
1.2.1 Ant1



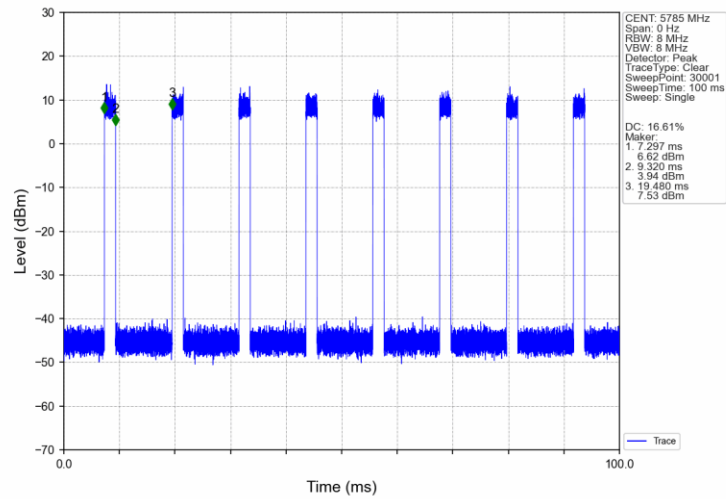
802.11a_HCH_5240MHz_Ant1_NTNV



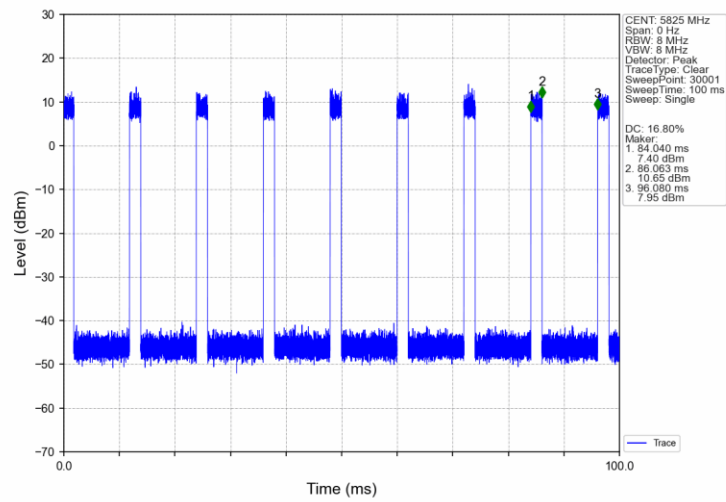
802.11a_LCH_5745MHz_Ant1_NTNV



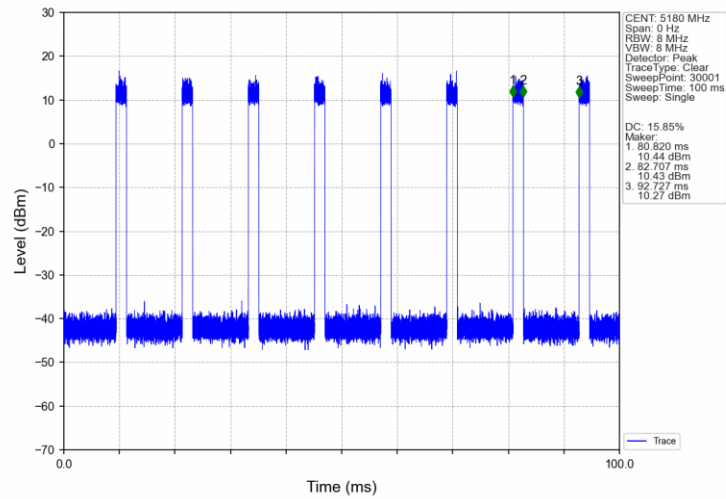
802.11a_MCH_5785MHz_Ant1_NTNV



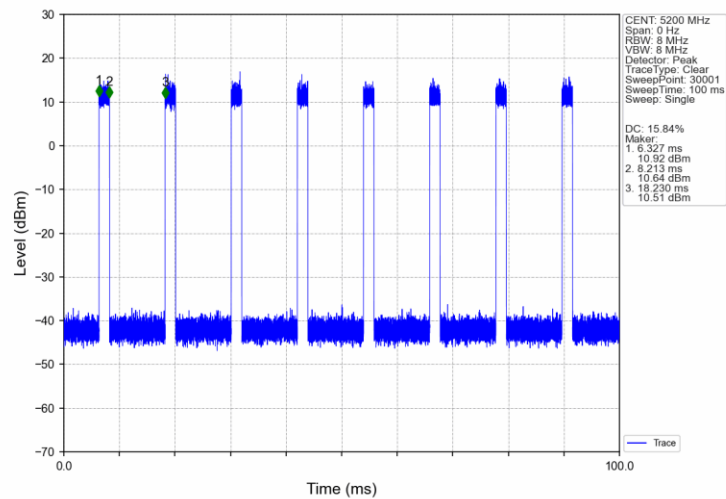
802.11a_HCH_5825MHz_Ant1_NTNV



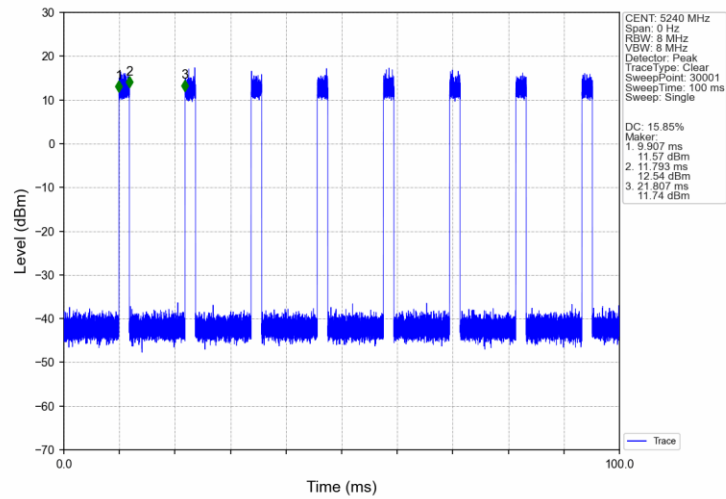
802.11n(HT20) LCH 5180MHz Ant1 NTN



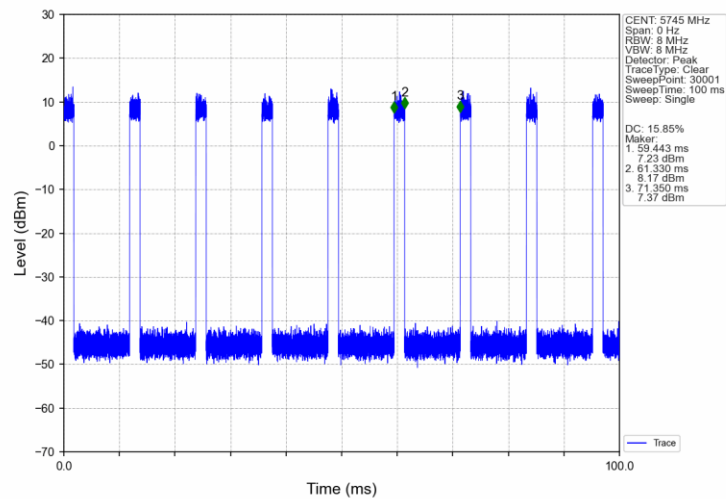
802.11n(HT20) MCH 5200MHz Ant1 NTN



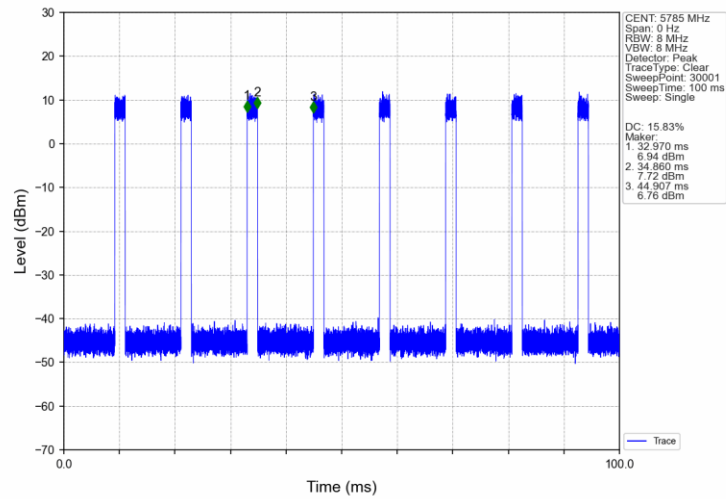
802.11n(HT20) HCH 5240MHz Ant1 NTN



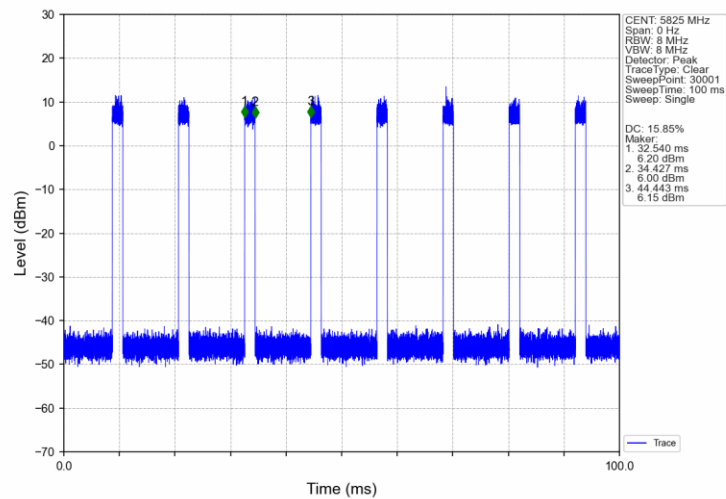
802.11n(HT20) LCH 5745MHz Ant1 NTN



802.11n(HT20) MCH 5785MHz Ant1 NTN

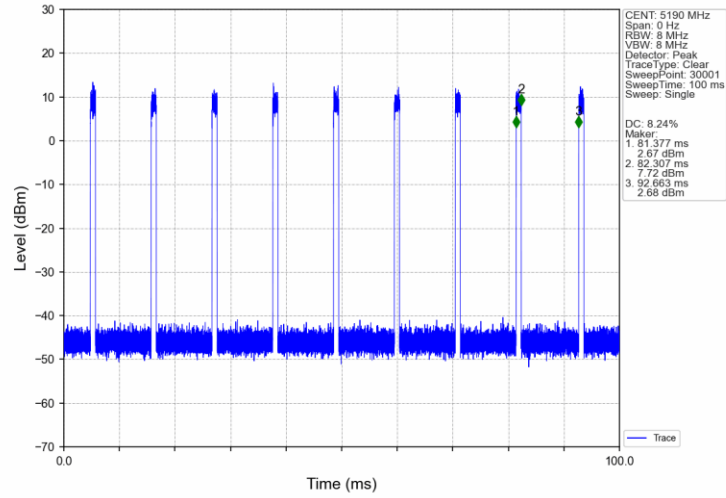


802.11n(HT20) HCH 5825MHz Ant1 NTN

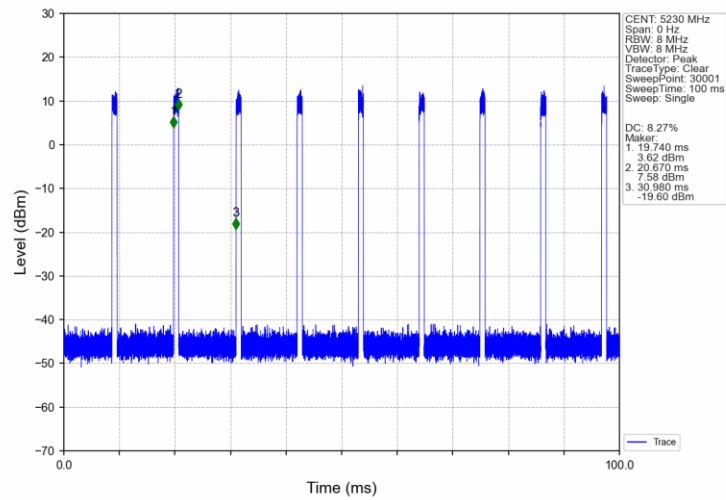




802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

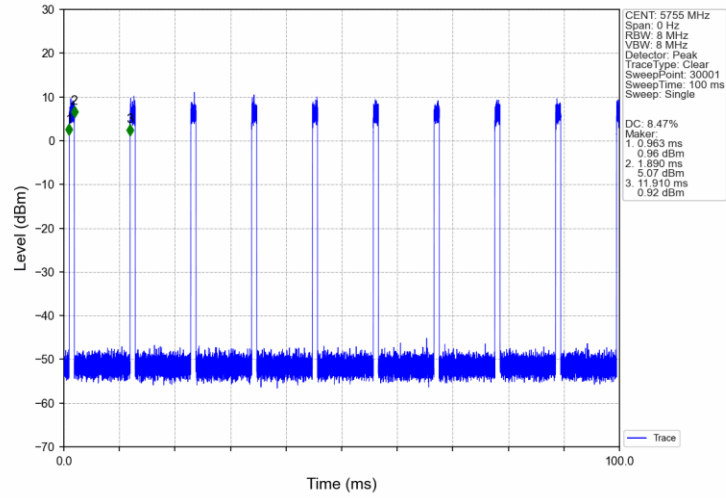


802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

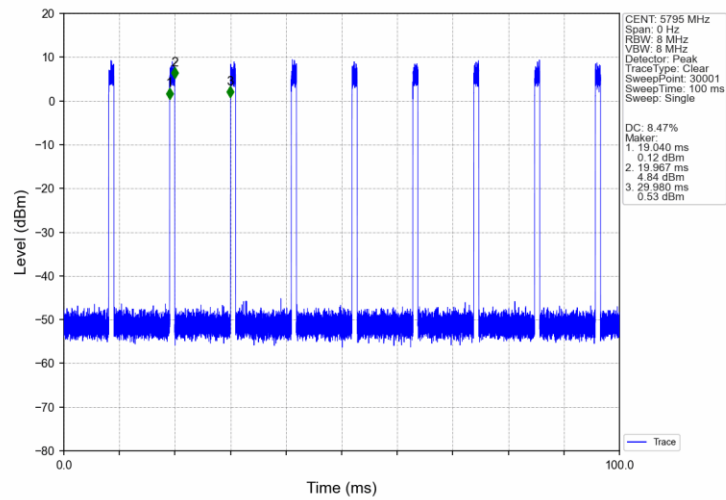




802.11n(HT40)_LCH_5755MHz_Ant1_NTNV

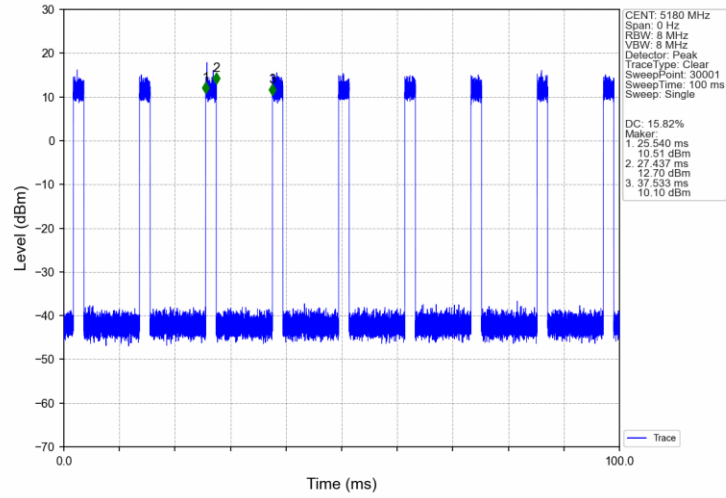


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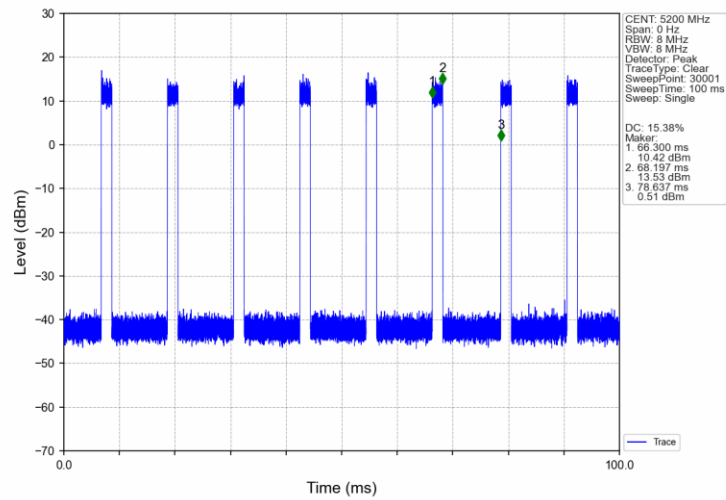




802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



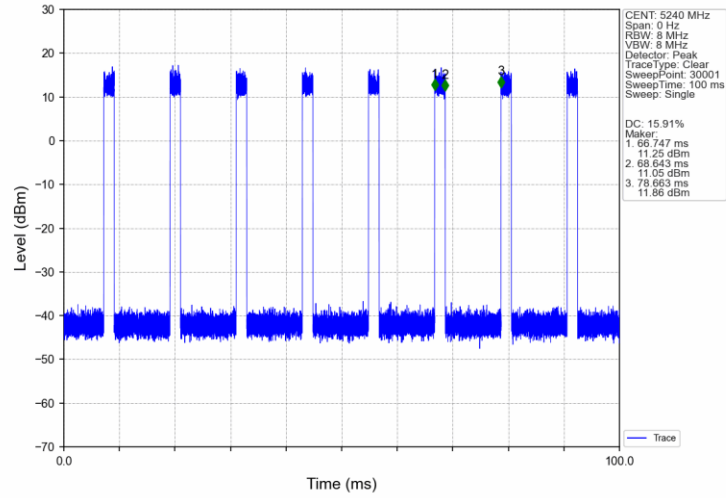
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



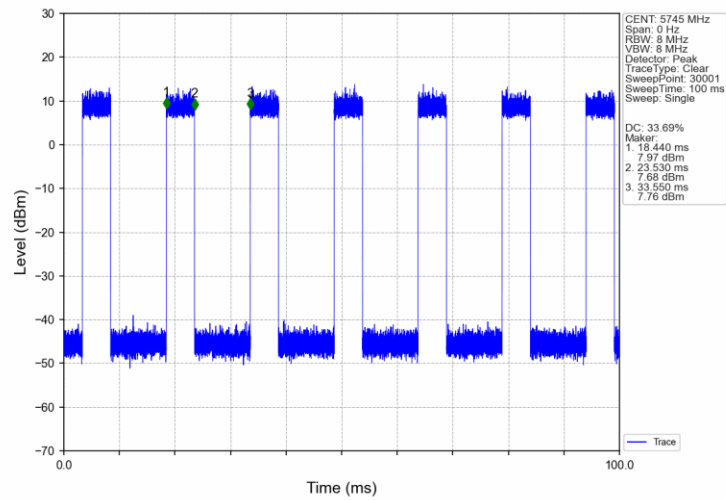


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802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV

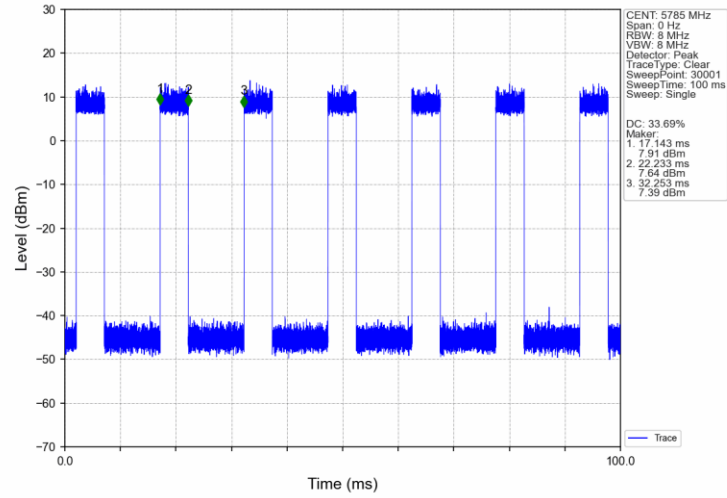


802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV

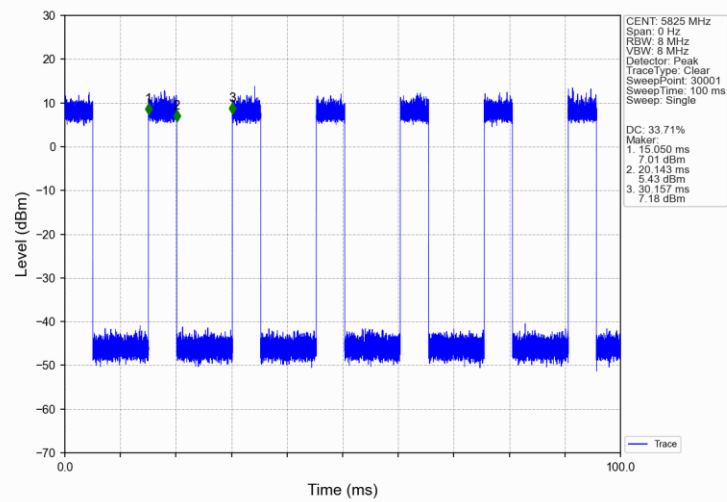




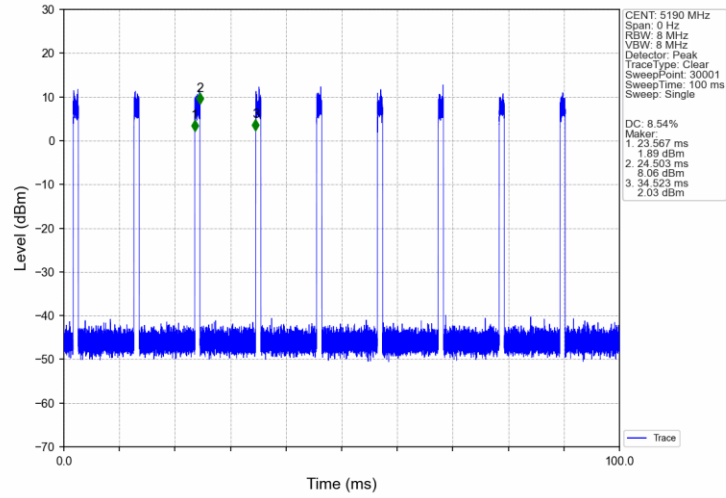
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



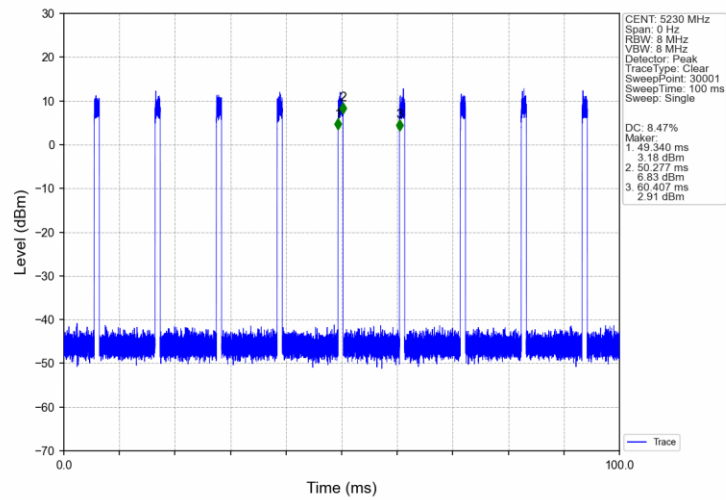
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV

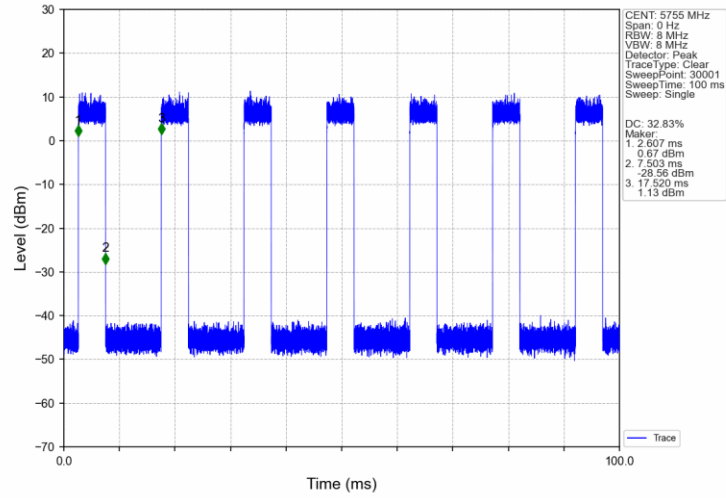


802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

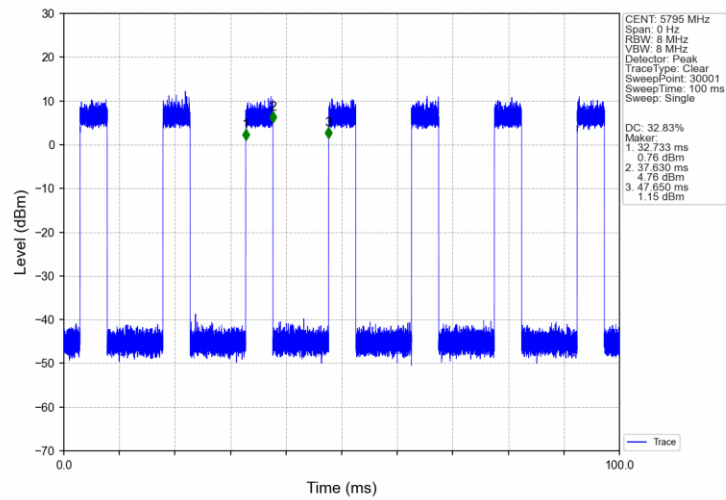




802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



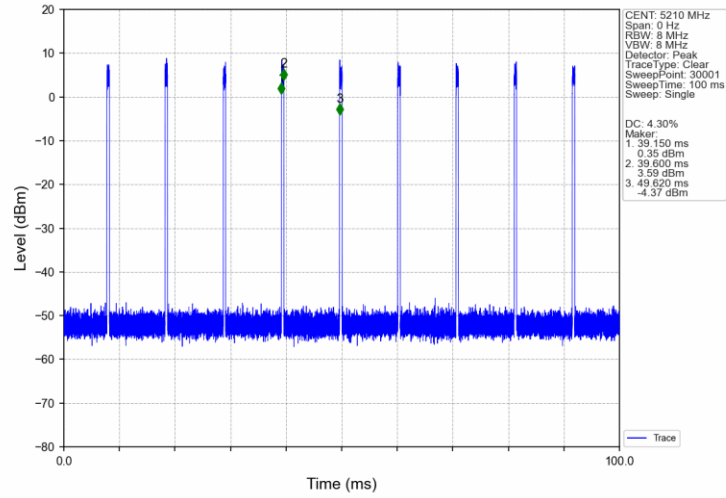
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



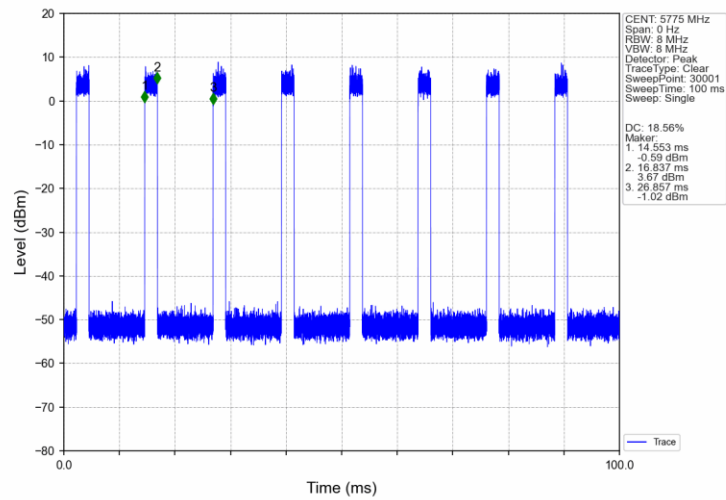


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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

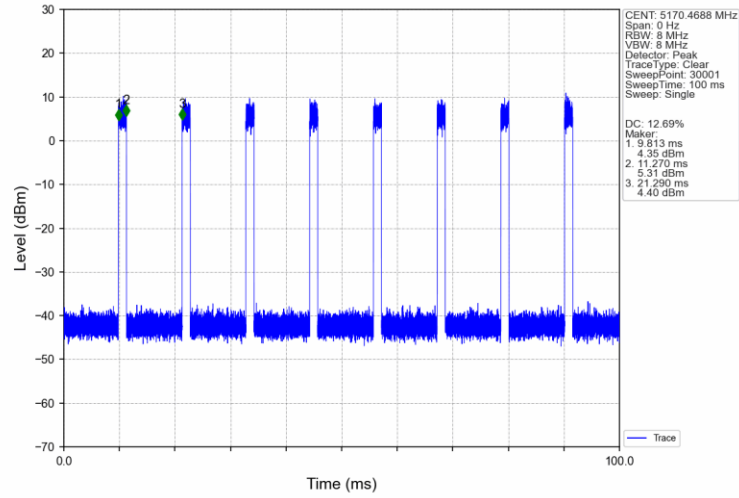


802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV

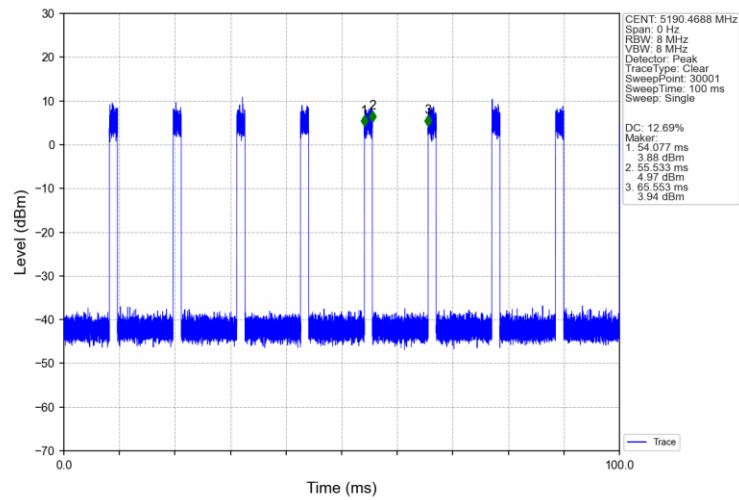




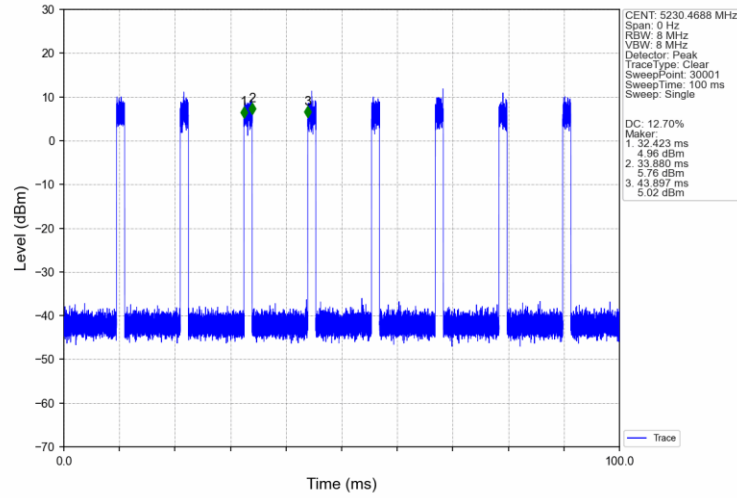
802.11ax(HEW20)_LCH_5180MHz_SU_ / _Ant1_NTNV



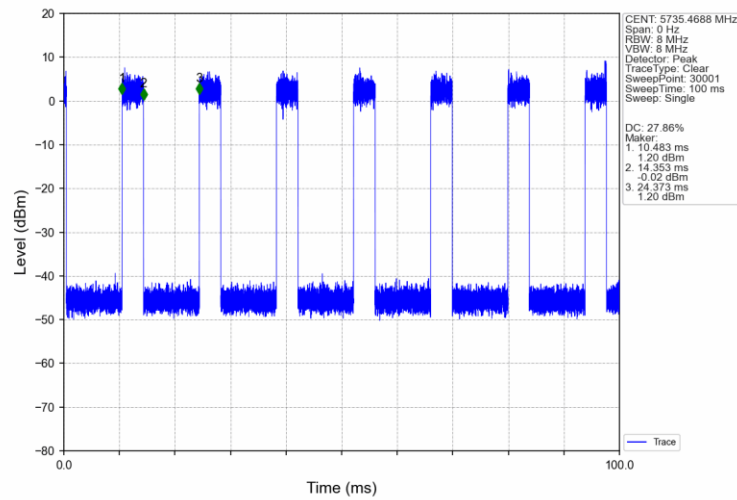
802.11ax(HEW20)_MCH_5200MHz_SU_ / _Ant1_NTNV



802.11ax(HEW20)_HCH_5240MHz_SU_/_Ant1_NTNV

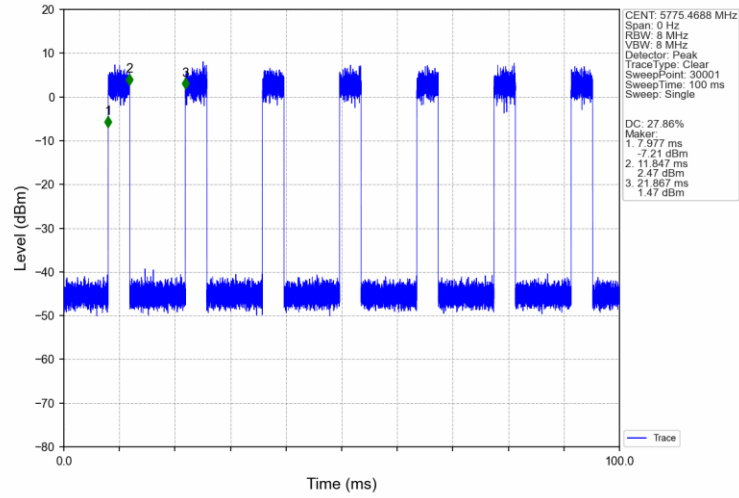


802.11ax(HEW20)_LCH_5745MHz_SU_/_Ant1_NTNV

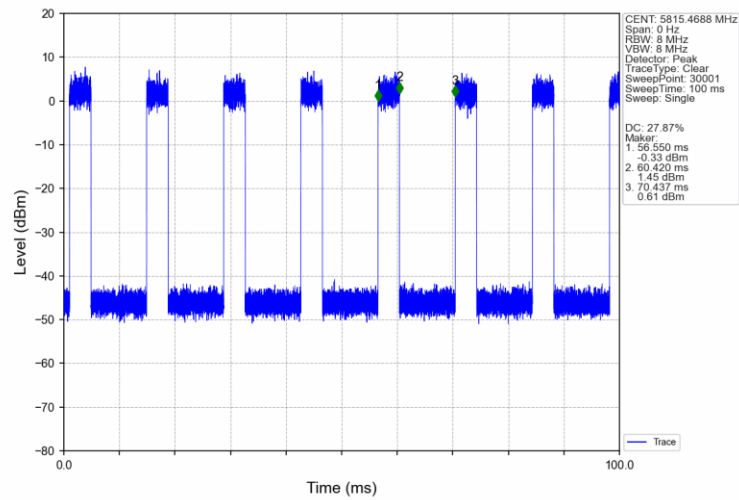




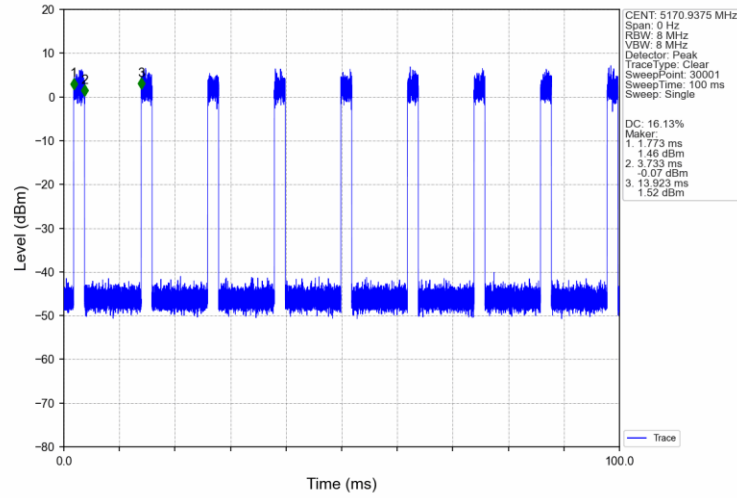
802.11ax(HEW20)_MCH_5785MHz_SU_ / Ant1_NTNV



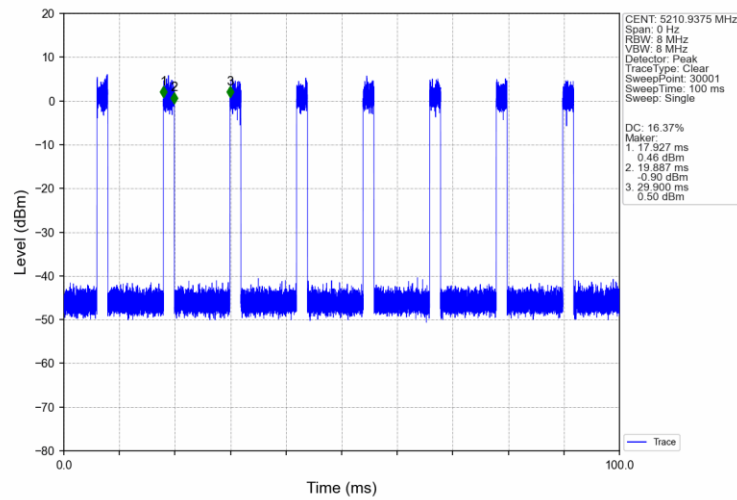
802.11ax(HEW20)_HCH_5825MHz_SU_ / Ant1_NTNV



802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV

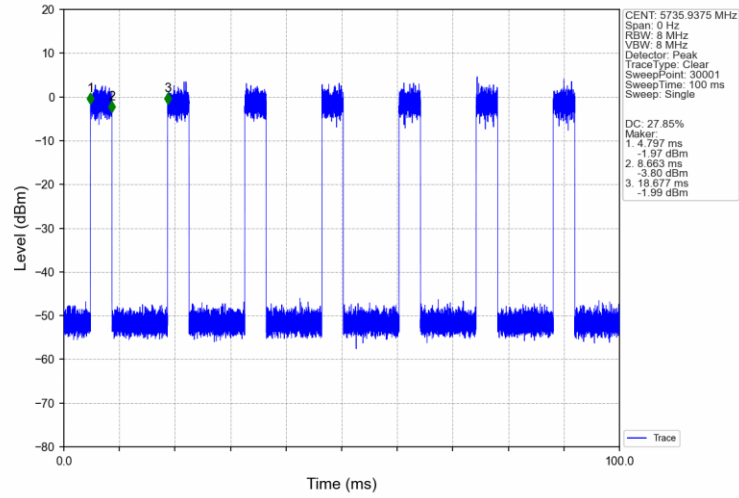


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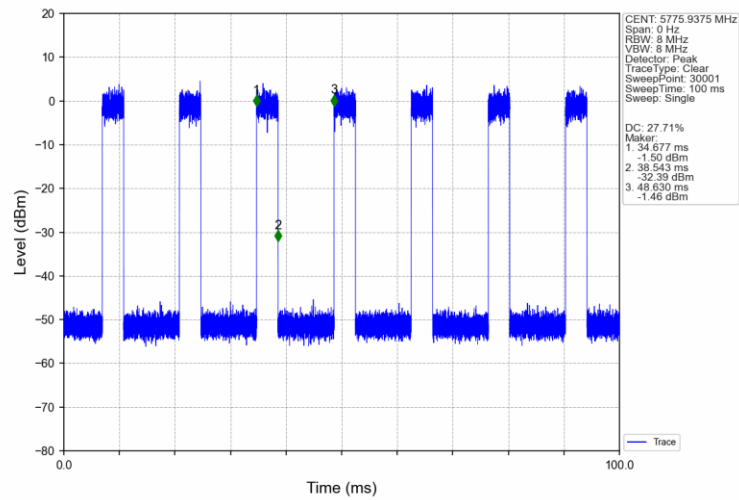




802.11ax(HEW40)_LCH_5755MHz_SU_/_Ant1_NTNV



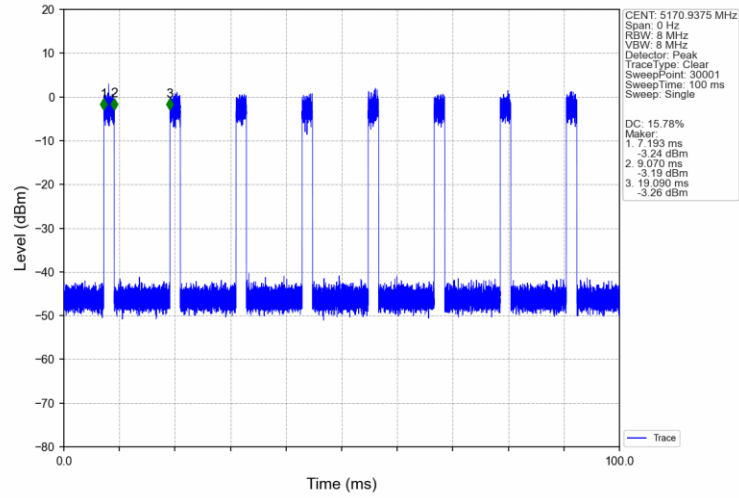
802.11ax(HEW40)_HCH_5795MHz_SU_/_Ant1_NTNV



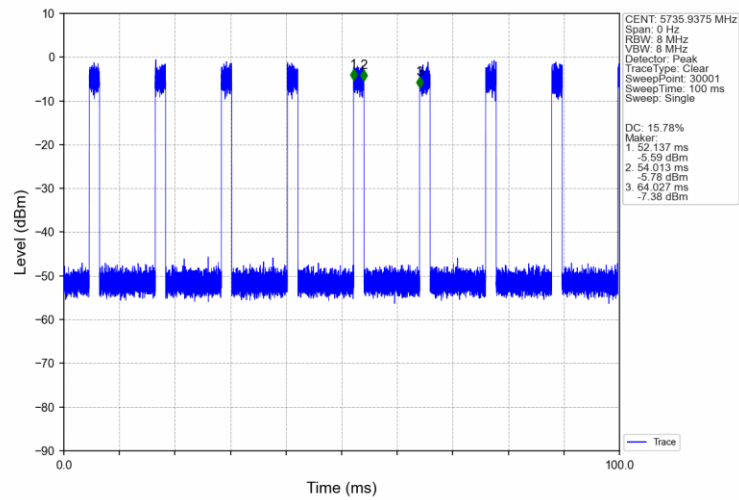


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802.11ax(HEW80)_MCH_5210MHz_SU_/_Ant1_NTNV

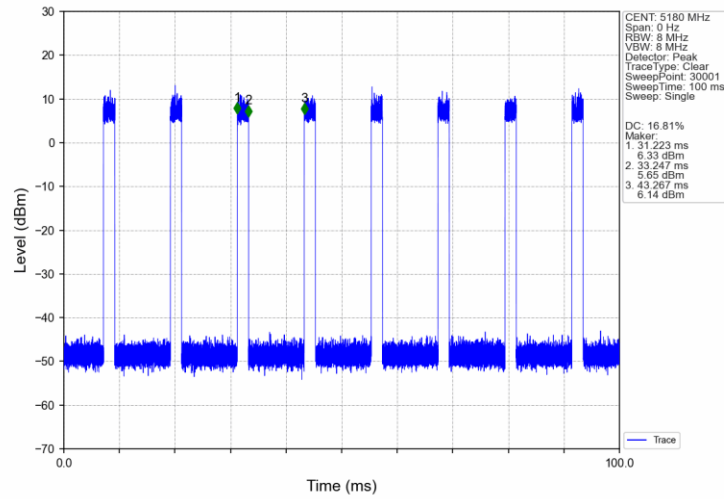


802.11ax(HEW80)_MCH_5775MHz_SU_/_Ant1_NTNV

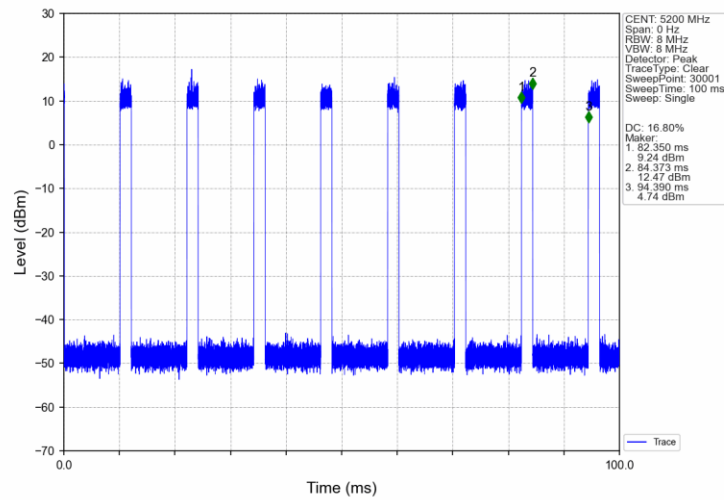


1.2.2 Ant2

802.11a_LCH_5180MHz_Ant2_NTNV

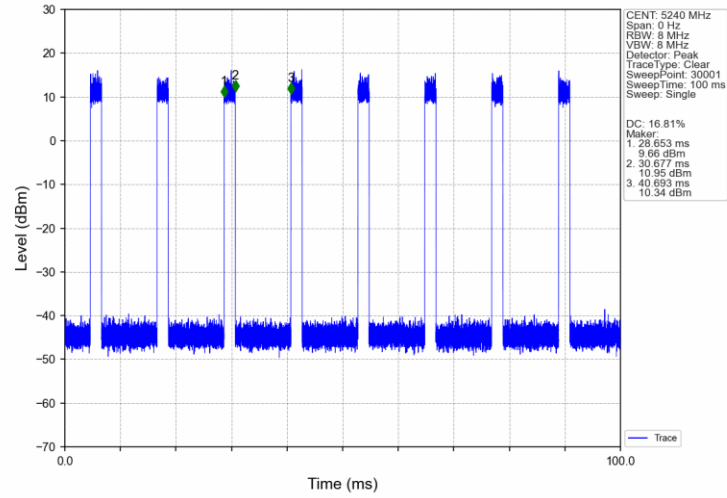


802.11a_MCH_5200MHz_Ant2_NTNV

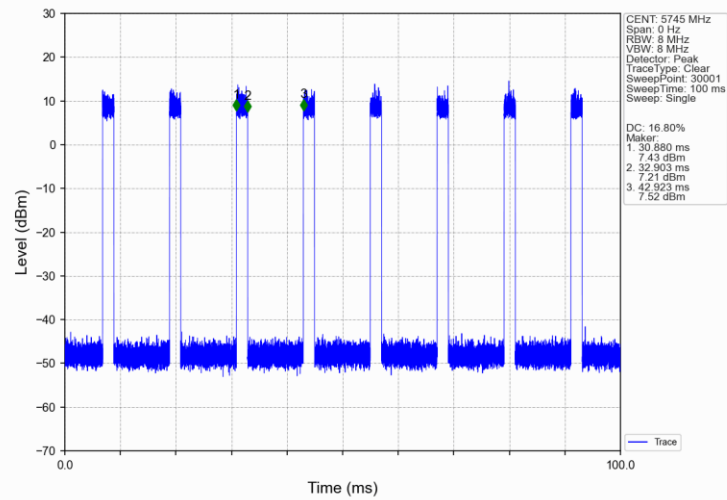




802.11a_HCH_5240MHz_Ant2_NTNV



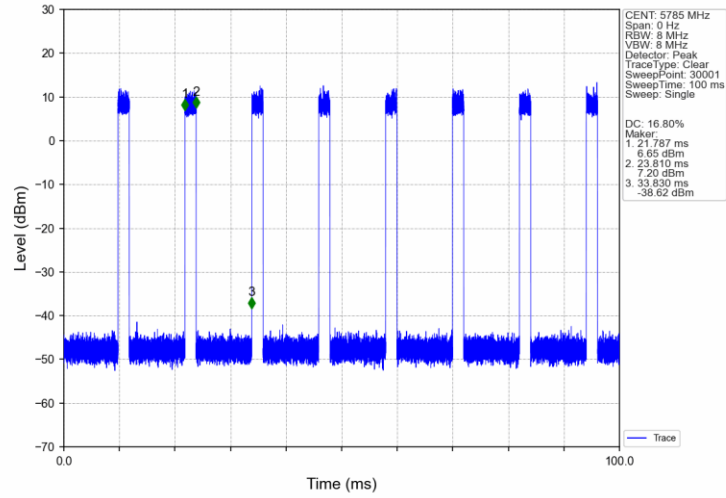
802.11a_LCH_5745MHz_Ant2_NTNV



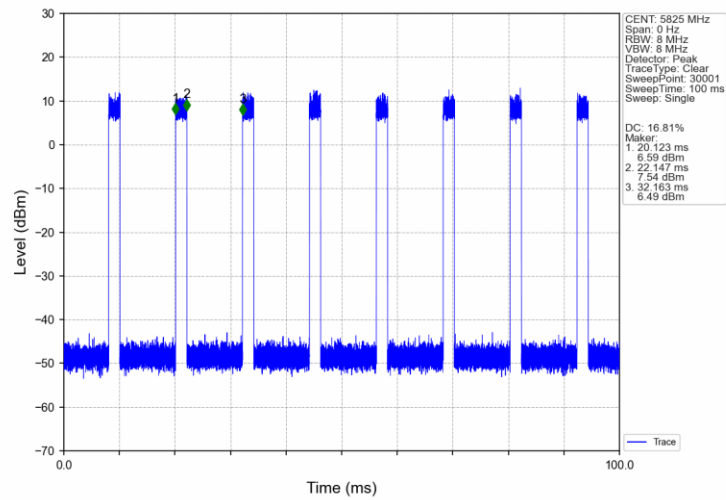


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802.11a_MCH_5785MHz_Ant2_NTNV



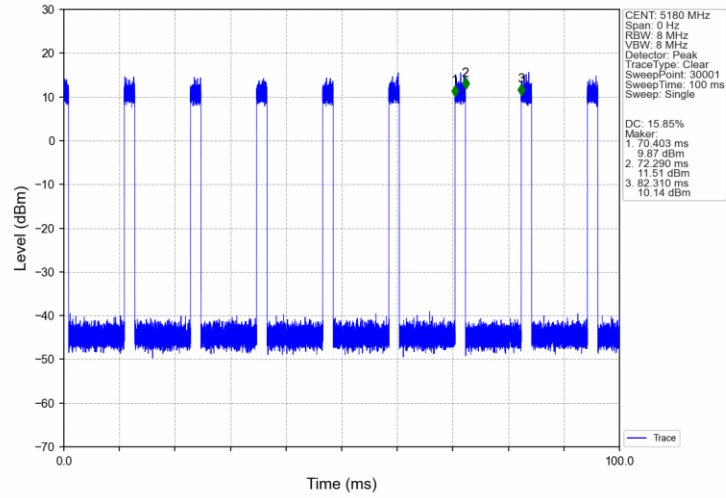
802.11a_HCH_5825MHz_Ant2_NTNV



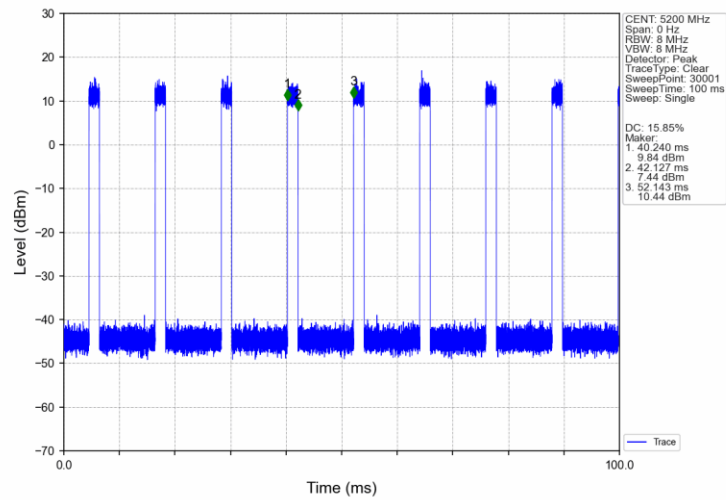


260417018FW4M1

802.11n(HT20)_LCH_5180MHz_Ant2_NTNV

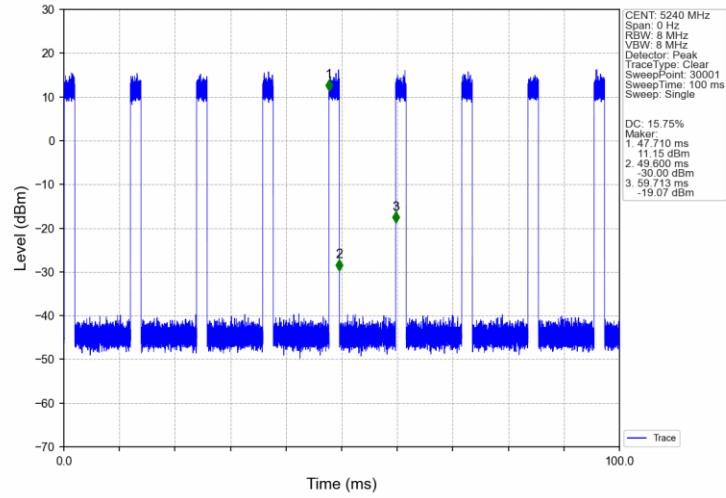


802.11n(HT20)_MCH_5200MHz_Ant2_NTNV

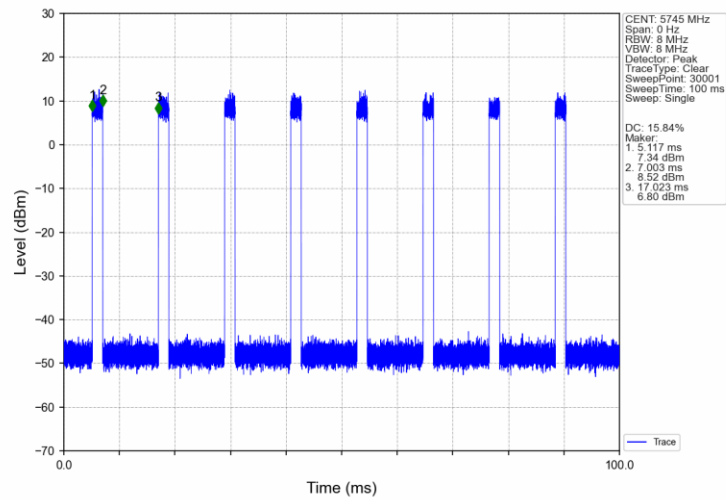




802.11n(HT20)_HCH_5240MHz_Ant2_NTNV

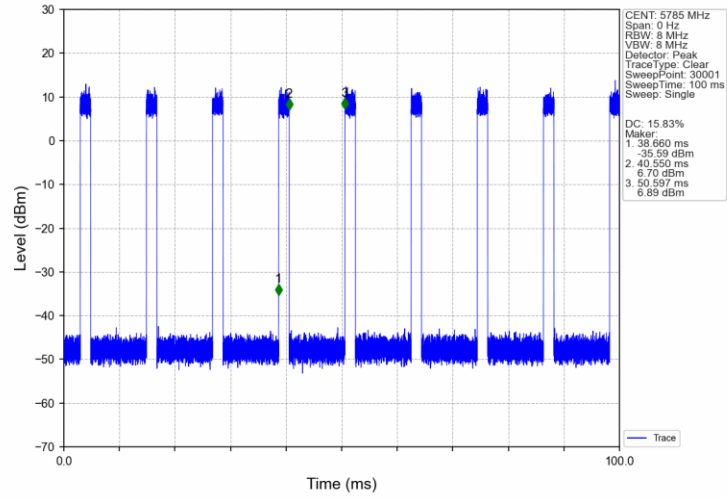


802.11n(HT20)_LCH_5745MHz_Ant2_NTNV

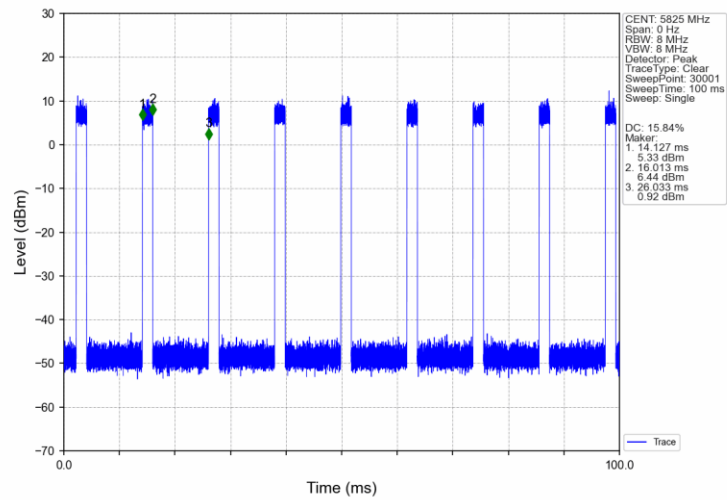




802.11n(HT20)_MCH_5785MHz_Ant2_NTNV

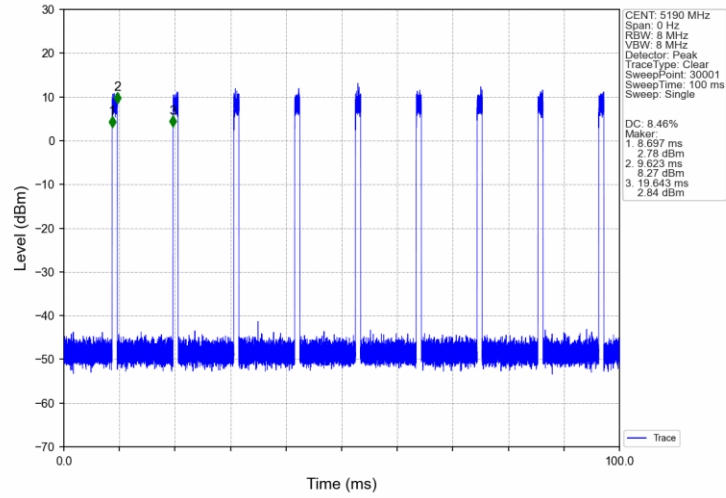


802.11n(HT20)_HCH_5825MHz_Ant2_NTNV

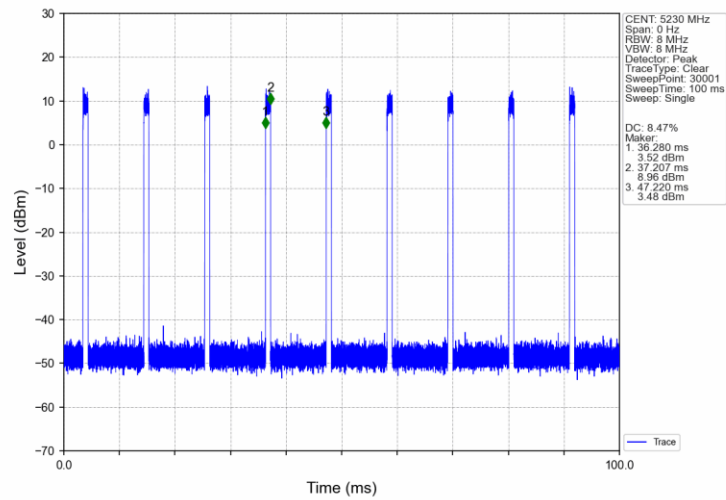




802.11n(HT40)_LCH_5190MHz_Ant2_NTNV

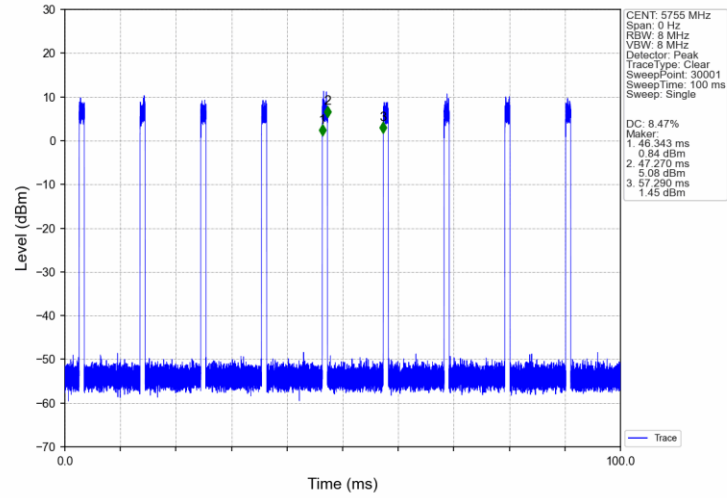


802.11n(HT40)_HCH_5230MHz_Ant2_NTNV

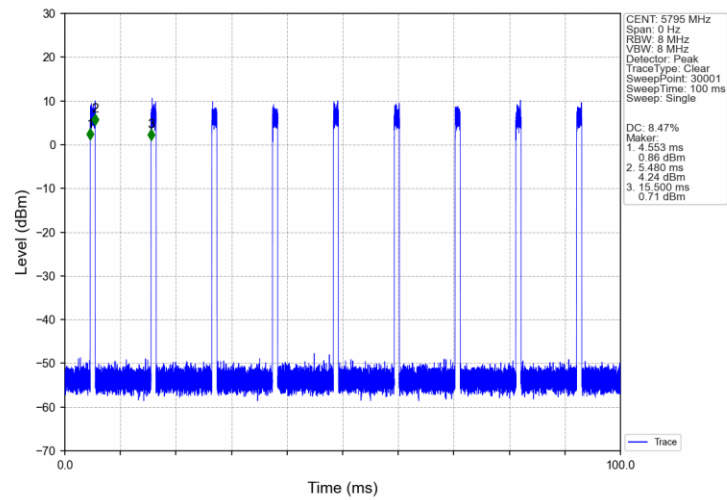




802.11n(HT40)_LCH_5755MHz_Ant2_NTNV

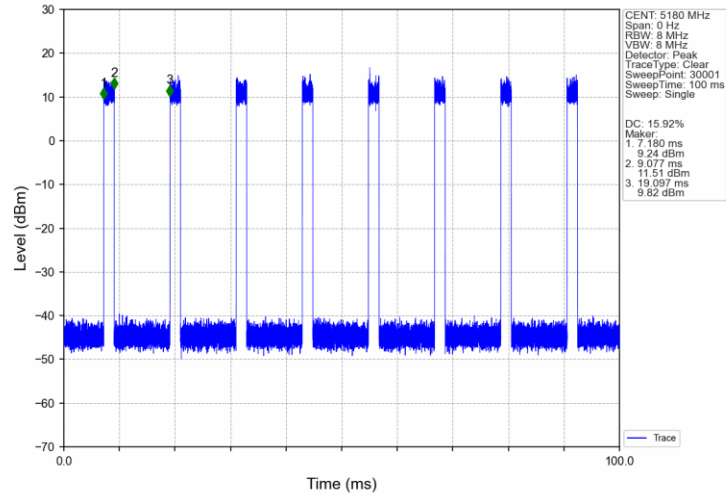


802.11n(HT40)_HCH_5795MHz_Ant2_NTNV

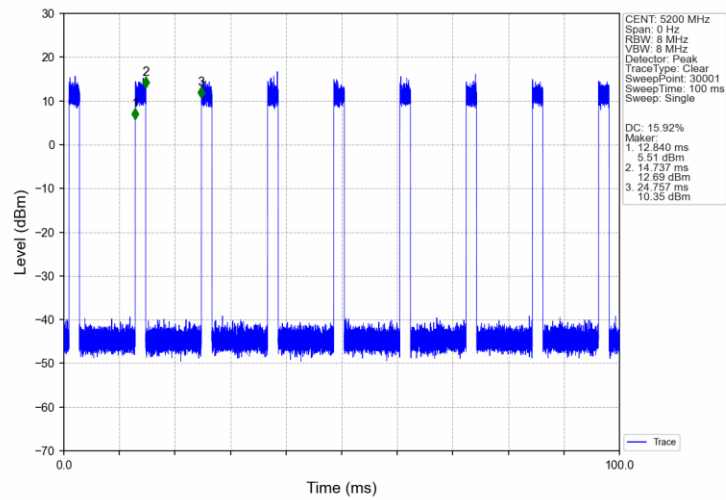




802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV

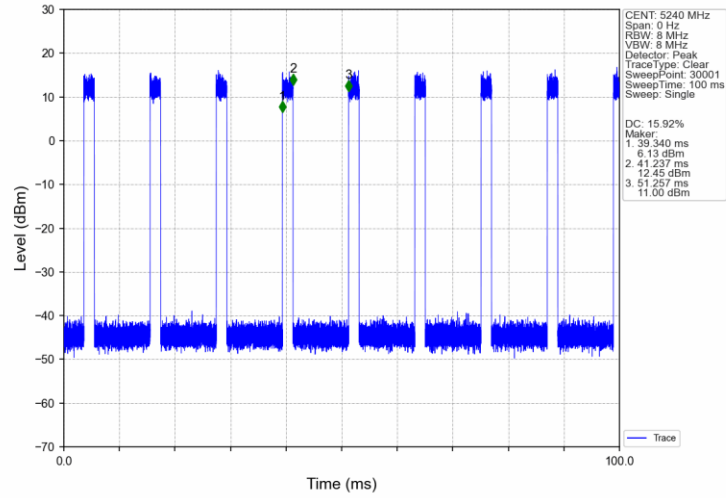


802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV

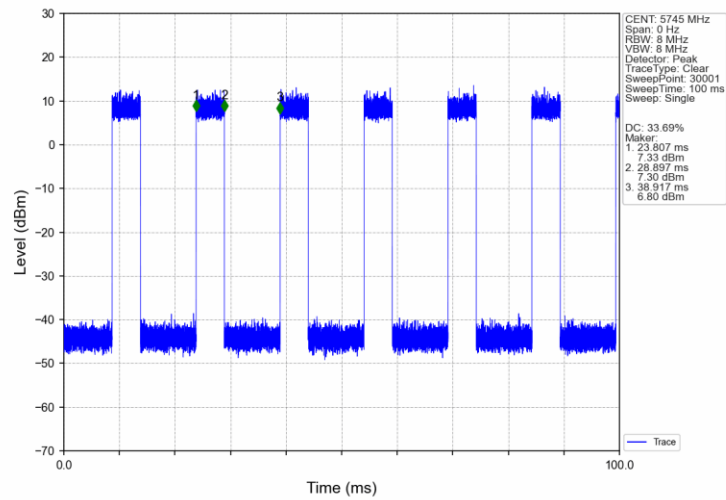




802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV

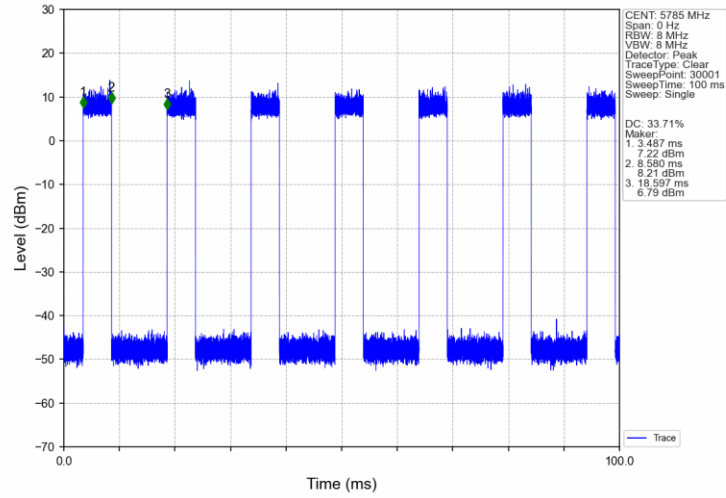


802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV

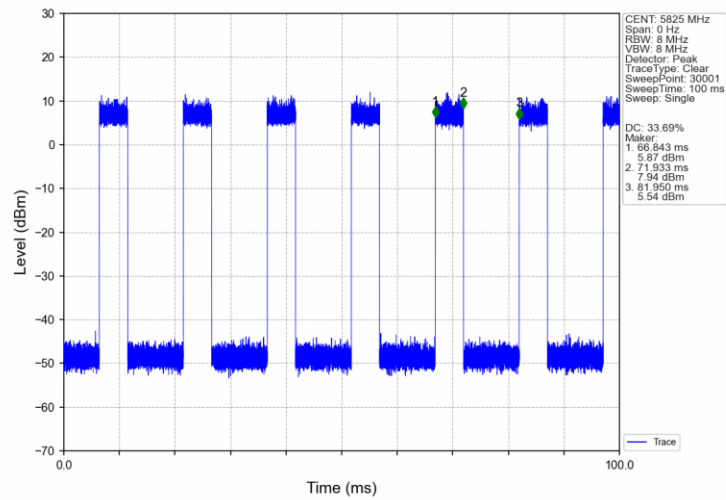




802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV

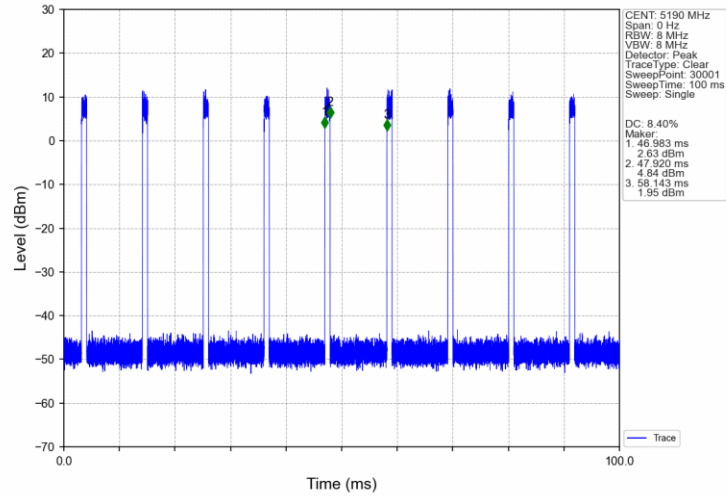


802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV

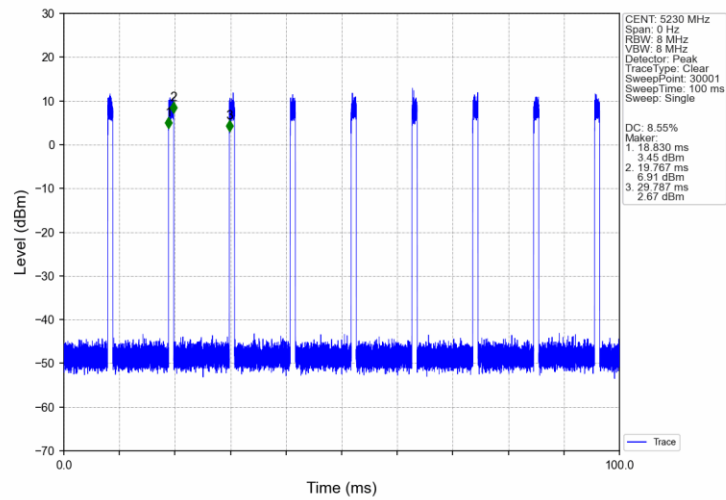




802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



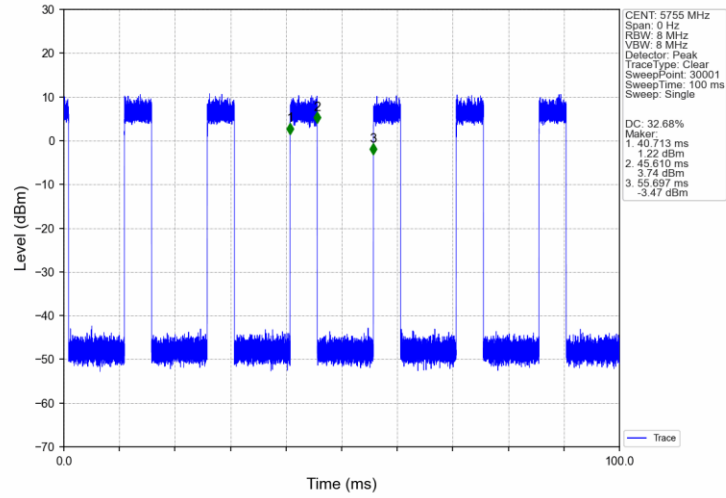
802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



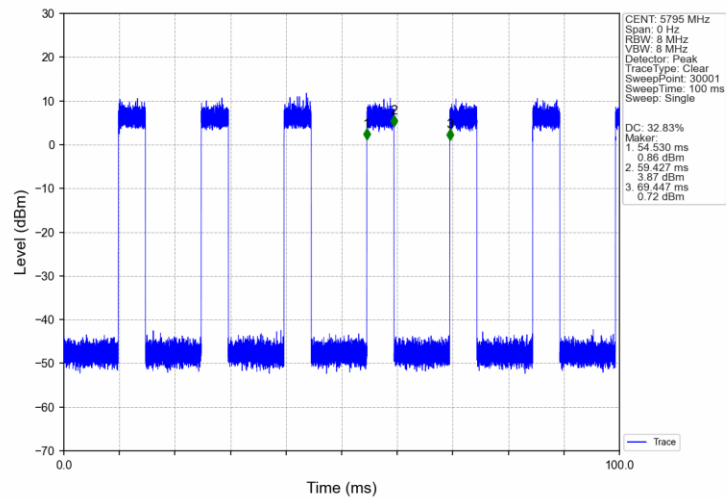


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802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV

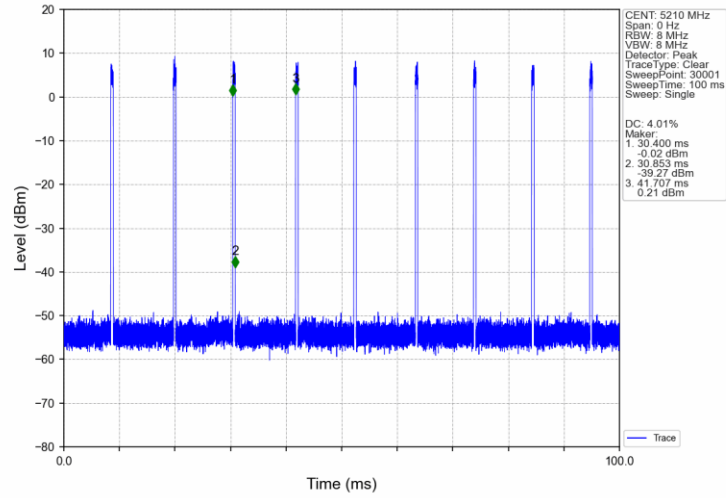


802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV

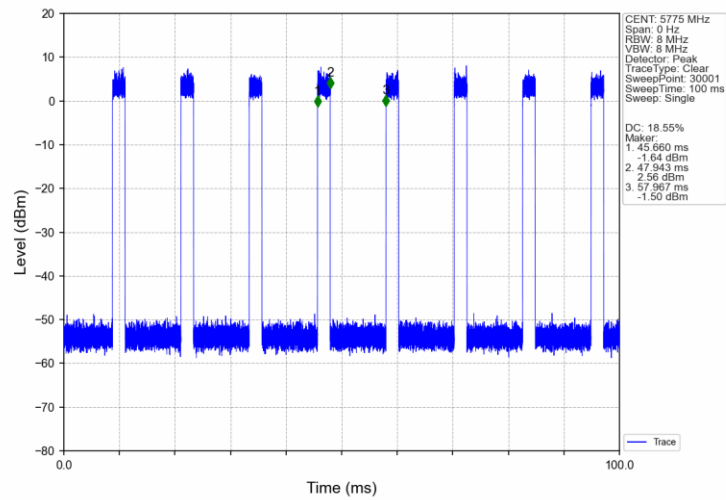




802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV

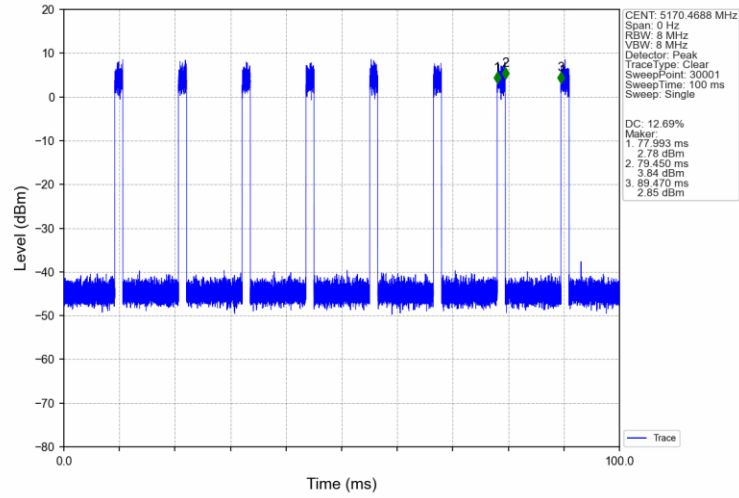


802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV

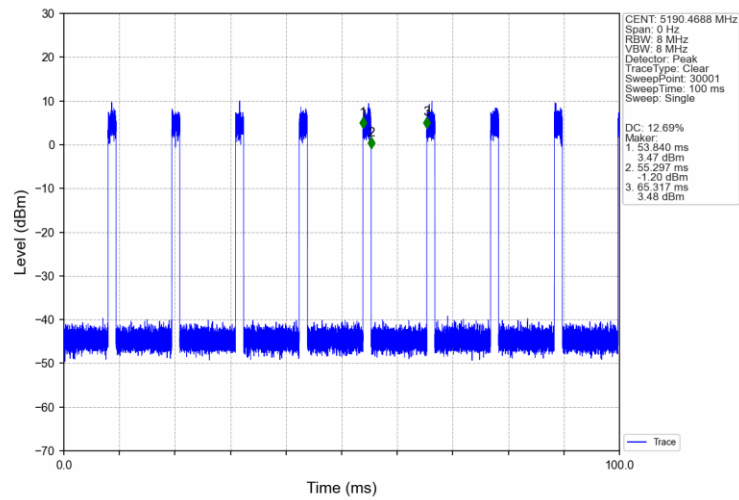




802.11ax(HEW20)_LCH_5180MHz_SU_/_Ant2_NTNV

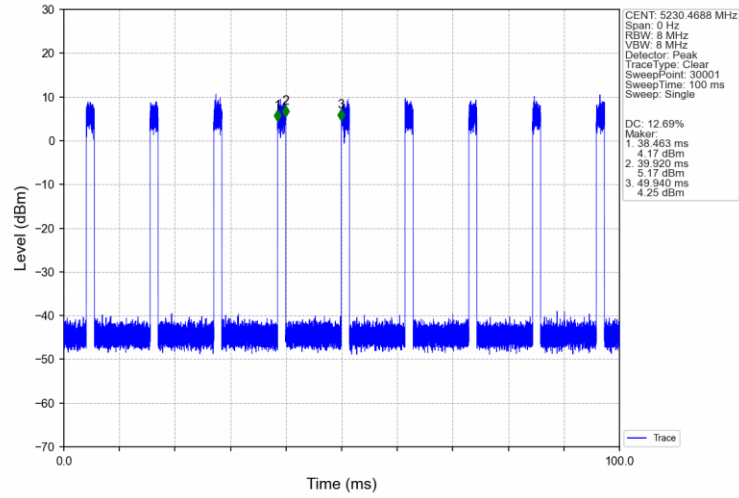


802.11ax(HEW20)_MCH_5200MHz_SU_/_Ant2_NTNV





802.11ax(HEW20)_HCH_5240MHz_SU_/_Ant2_NTNV



802.11ax(HEW20)_LCH_5745MHz_SU_/_Ant2_NTNV

