

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	/	/	0.337	0.438	76.94	1.14	0.05
		5200	/	/	0.337	0.439	76.77	1.15	0.09
		5240	/	/	0.336	0.438	76.71	1.15	0.03
		5745	/	/	0.337	0.439	76.77	1.15	0.04
		5785	/	/	0.337	0.438	76.94	1.14	0.03
		5825	/	/	0.337	0.439	76.77	1.15	0.03
802.11n (HT20)	MIMO	5180	/	/	0.325	0.426	76.29	1.18	0.01
		5200	/	/	0.324	0.426	76.06	1.19	0.06
		5240	/	/	0.325	0.427	76.11	1.19	0.06
		5745	/	/	0.324	0.426	76.06	1.19	0.03
		5785	/	/	0.325	0.427	76.11	1.19	0.01
		5825	/	/	0.325	0.426	76.29	1.18	0.06
802.11n (HT40)	MIMO	5190	/	/	0.176	0.428	41.12	3.86	0.03
		5230	/	/	0.176	0.428	41.12	3.86	0.03
		5755	/	/	0.177	0.428	41.36	3.83	0.03
		5795	/	/	0.177	0.429	41.26	3.84	0.06
802.11ac (VHT20)	MIMO	5180	/	/	0.328	0.430	76.28	1.18	0.03
		5200	/	/	0.329	0.431	76.33	1.17	0.03
		5240	/	/	0.329	0.431	76.33	1.17	0.01
		5745	/	/	0.329	0.431	76.33	1.17	0.05
		5785	/	/	0.329	0.431	76.33	1.17	0.06
		5825	/	/	0.329	0.431	76.33	1.17	0.05
802.11ac (VHT40)	MIMO	5190	/	/	0.181	0.283	63.96	1.94	0.04
		5230	/	/	0.181	0.283	63.96	1.94	0.06
		5755	/	/	0.181	0.283	63.96	1.94	0.05
		5795	/	/	0.181	0.282	64.18	1.93	0.04
802.11ac (VHT80)	MIMO	5210	/	/	0.105	0.207	50.72	2.95	0.03
		5775	/	/	0.104	0.206	50.49	2.97	0.03
802.11ax (HEW20)	MIMO	5180	SU	/	0.274	0.376	72.87	1.37	0.04
		5200	SU	/	0.274	0.376	72.87	1.37	0.04
		5240	SU	/	0.274	0.376	72.87	1.37	0.04
		5745	SU	/	0.274	0.376	72.87	1.37	0.04
		5785	SU	/	0.274	0.376	72.87	1.37	0.06
		5825	SU	/	0.274	0.376	72.87	1.37	0.04
802.11ax (HEW40)	MIMO	5190	SU	/	0.165	0.267	61.80	2.09	0.07
		5230	SU	/	0.165	0.268	61.57	2.11	0.04
		5755	SU	/	0.165	0.267	61.80	2.09	0.01
		5795	SU	/	0.165	0.267	61.80	2.09	0.02
802.11ax (HEW80)	MIMO	5210	SU	/	0.112	0.214	52.34	2.81	0.03
		5775	SU	/	0.113	0.215	52.56	2.79	0.05

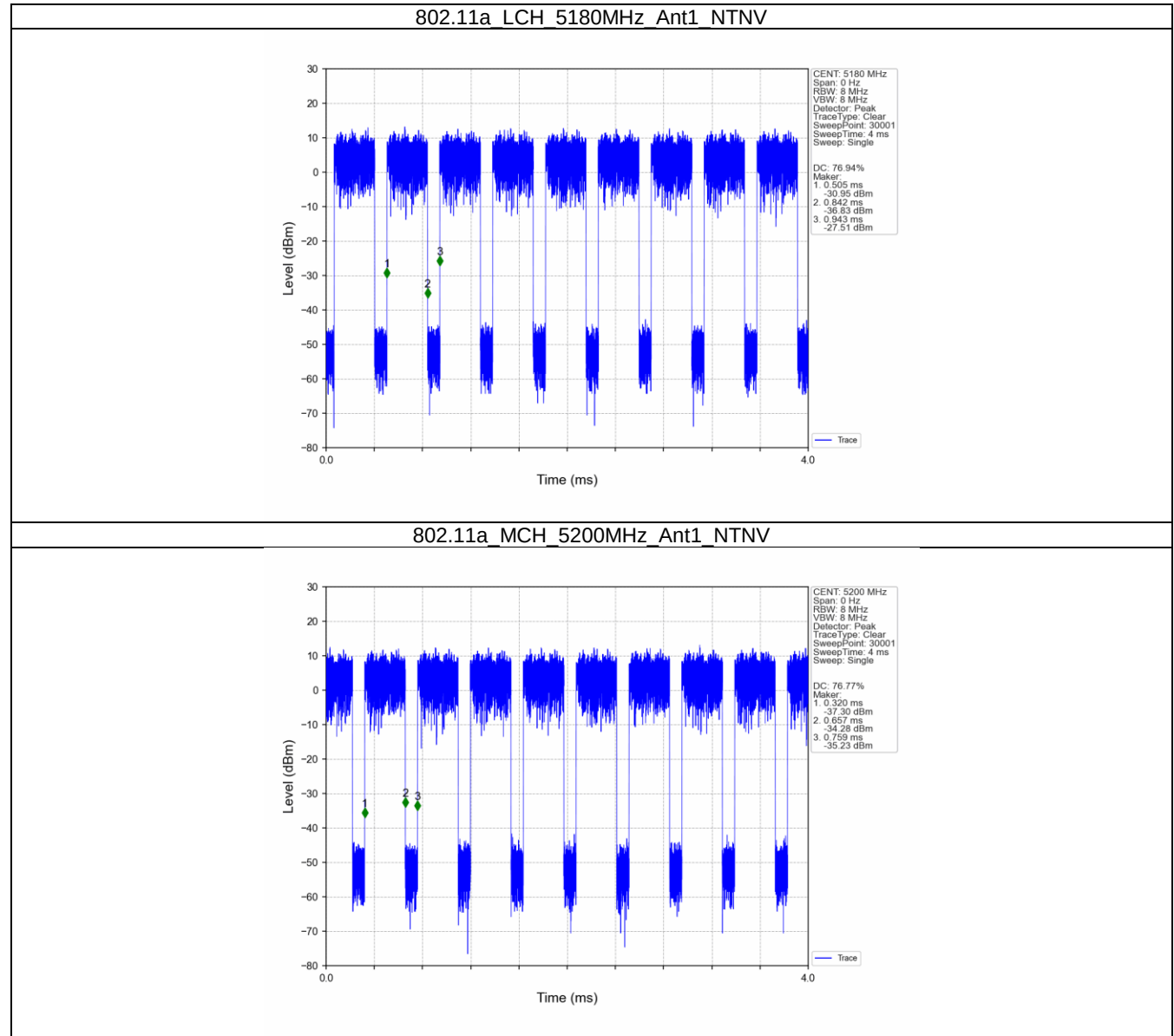
1.1.2 Ant2

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	/	/	0.337	0.438	76.94	1.14	0.05
		5200	/	/	0.337	0.438	76.94	1.14	0.03
		5240	/	/	0.337	0.439	76.77	1.15	0.03

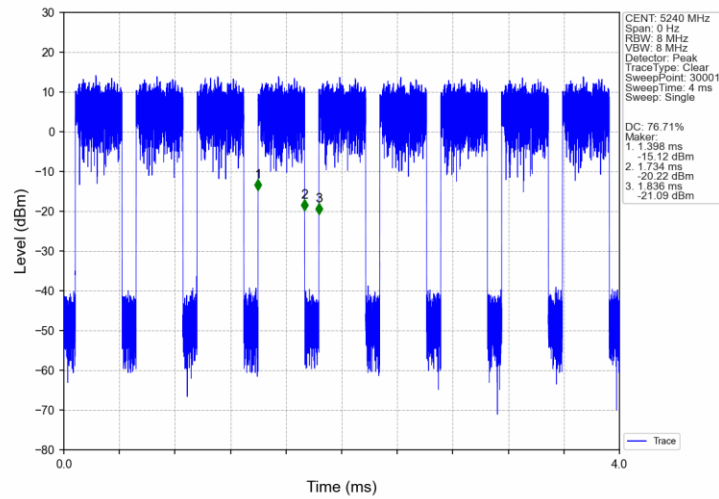
		5745	/	/	0.337	0.439	76.77	1.15	0.05
		5785	/	/	0.337	0.439	76.77	1.15	0.03
		5825	/	/	0.336	0.438	76.71	1.15	0.06
802.11n (HT20)	MIMO	5180	/	/	0.325	0.427	76.11	1.19	0.03
		5200	/	/	0.325	0.426	76.29	1.18	0.01
		5240	/	/	0.325	0.427	76.11	1.19	0.03
		5745	/	/	0.325	0.427	76.11	1.19	0.03
		5785	/	/	0.325	0.427	76.11	1.19	0.03
		5825	/	/	0.325	0.427	76.11	1.19	0.02
802.11n (HT40)	MIMO	5190	/	/	0.177	0.429	41.26	3.84	0.03
		5230	/	/	0.177	0.428	41.36	3.83	0.02
		5755	/	/	0.177	0.428	41.36	3.83	0.03
		5795	/	/	0.177	0.428	41.36	3.83	0.02
802.11ac (VHT20)	MIMO	5180	/	/	0.329	0.430	76.51	1.16	0.03
		5200	/	/	0.328	0.430	76.28	1.18	0.01
		5240	/	/	0.329	0.431	76.33	1.17	0.03
		5745	/	/	0.329	0.430	76.51	1.16	0.03
		5785	/	/	0.329	0.431	76.33	1.17	0.05
		5825	/	/	0.329	0.430	76.51	1.16	0.03
802.11ac (VHT40)	MIMO	5190	/	/	0.181	0.282	64.18	1.93	0.02
		5230	/	/	0.180	0.282	63.83	1.95	0.11
		5755	/	/	0.181	0.282	64.18	1.93	0.06
		5795	/	/	0.180	0.282	63.83	1.95	0.06
802.11ac (VHT80)	MIMO	5210	/	/	0.105	0.206	50.97	2.93	0.05
		5775	/	/	0.105	0.207	50.72	2.95	0.05
802.11ax (HEW20)	MIMO	5180	SU	/	0.274	0.376	72.87	1.37	0.04
		5200	SU	/	0.274	0.376	72.87	1.37	0.04
		5240	SU	/	0.274	0.376	72.87	1.37	0.06
		5745	SU	/	0.274	0.376	72.87	1.37	0.04
		5785	SU	/	0.274	0.376	72.87	1.37	0.04
802.11ax (HEW40)	MIMO	5825	SU	/	0.274	0.376	72.87	1.37	0.04
		5190	SU	/	0.165	0.267	61.80	2.09	0.11
		5230	SU	/	0.165	0.267	61.80	2.09	0.04
		5755	SU	/	0.165	0.267	61.80	2.09	0.04
802.11ax (HEW80)	MIMO	5795	SU	/	0.165	0.268	61.57	2.11	0.04
		5210	SU	/	0.112	0.214	52.34	2.81	0.08
		5775	SU	/	0.112	0.214	52.34	2.81	0.06

1.2 Test Graph

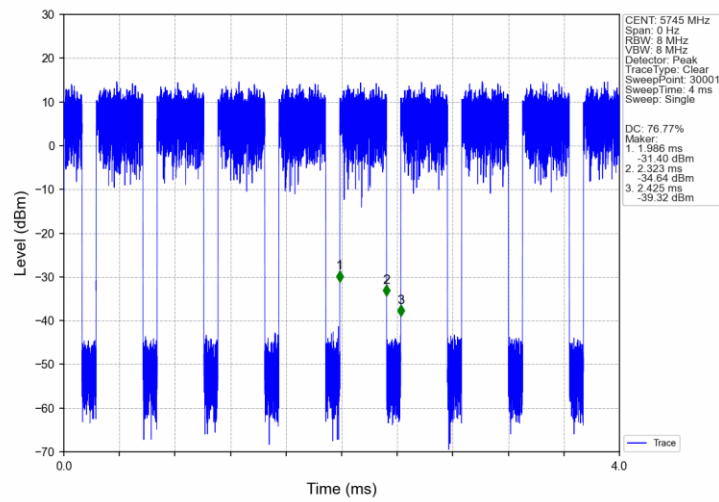
1.2.1 Ant1



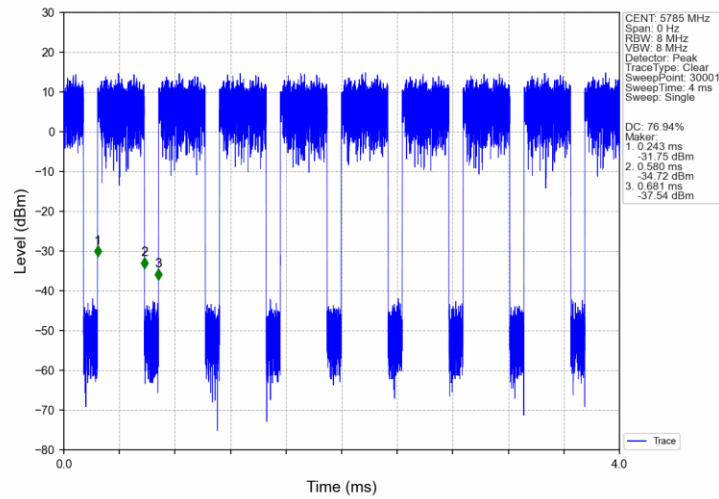
802.11a_HCH_5240MHz_Ant1_NTNV



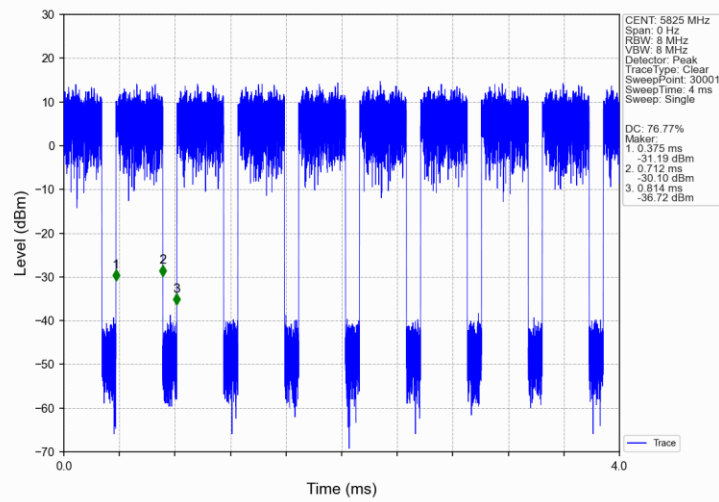
802.11a_LCH_5745MHz_Ant1_NTNV



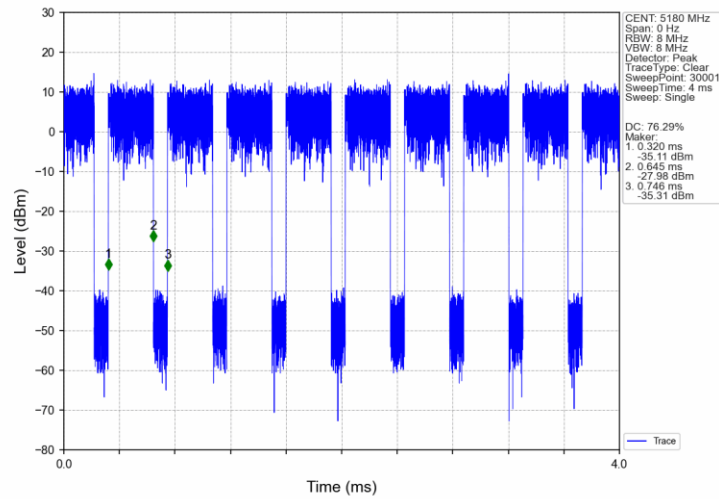
802.11a_MCH_5785MHz_Ant1_NTNV



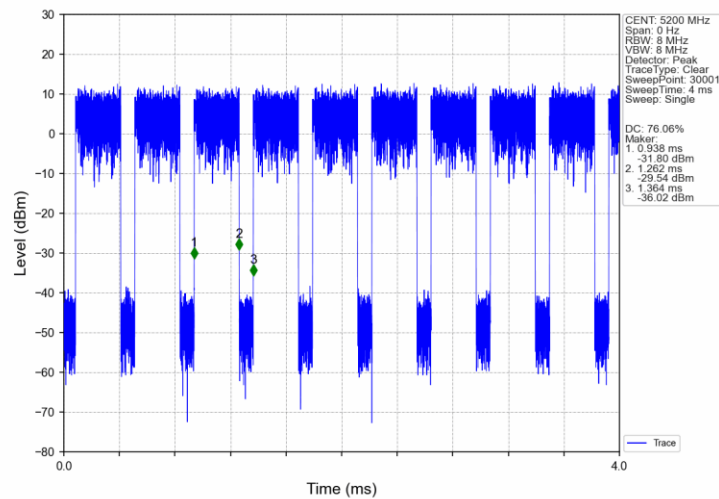
802.11a_HCH_5825MHz_Ant1_NTNV



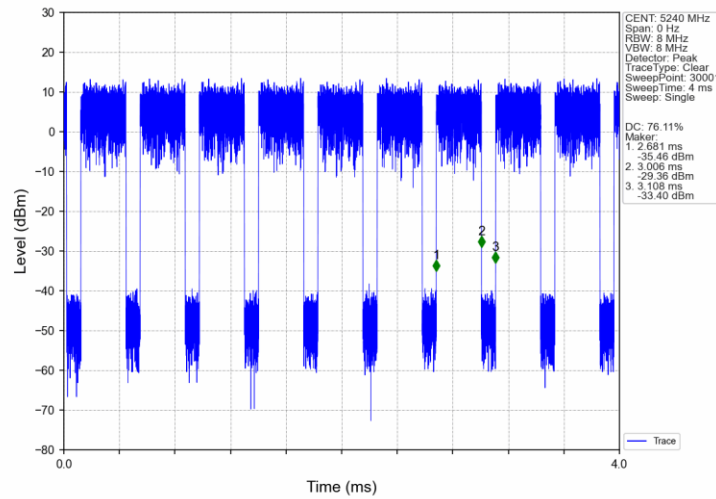
802.11n(HT20) LCH 5180MHz Ant1 NTN



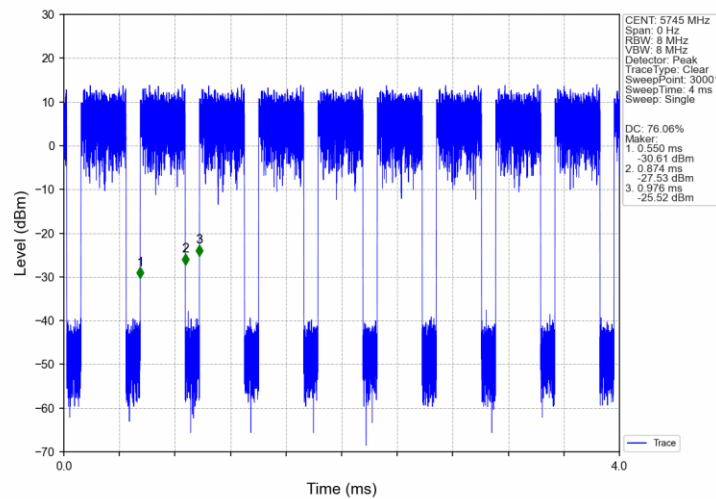
802.11n(HT20) MCH 5200MHz Ant1 NTN



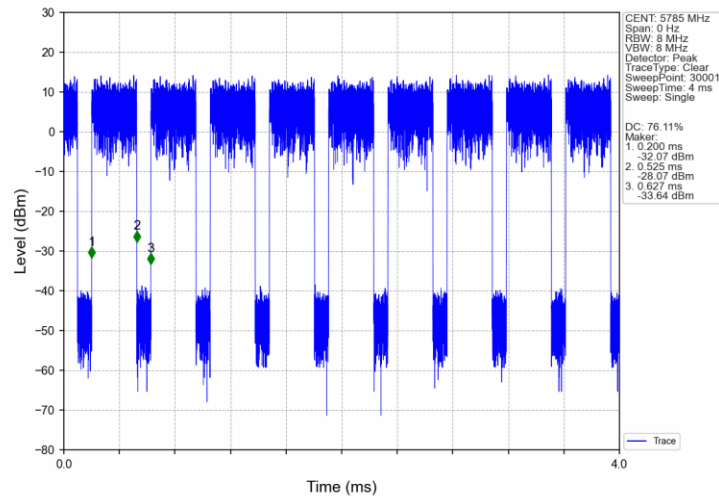
802.11n(HT20) HCH 5240MHz Ant1 NTV



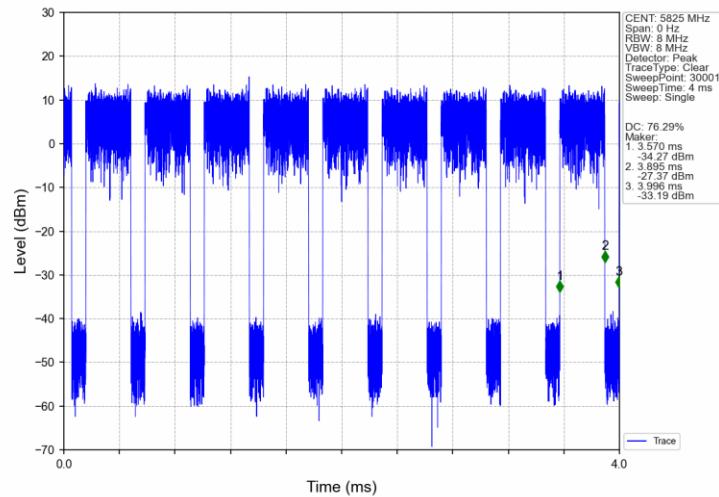
802.11n(HT20) LCH 5745MHz Ant1 NTV



802.11n(HT20) MCH 5785MHz Ant1 NTN



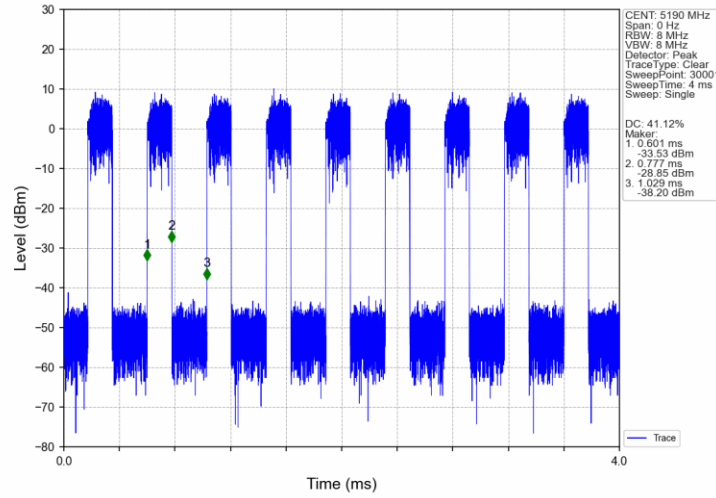
802.11n(HT20) HCH 5825MHz Ant1 NTN



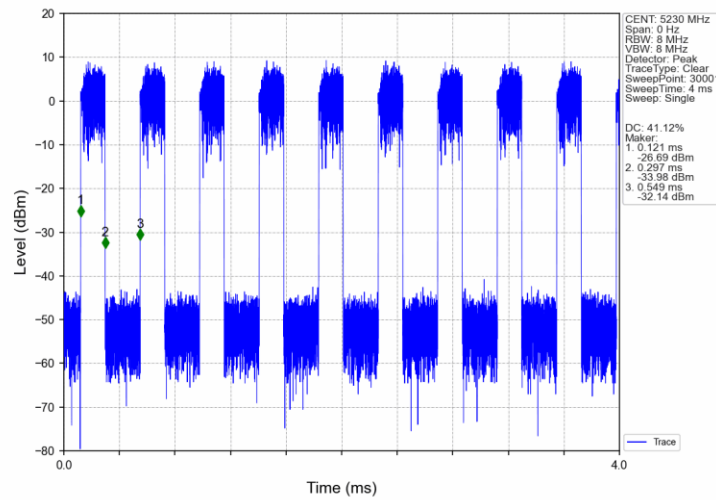


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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

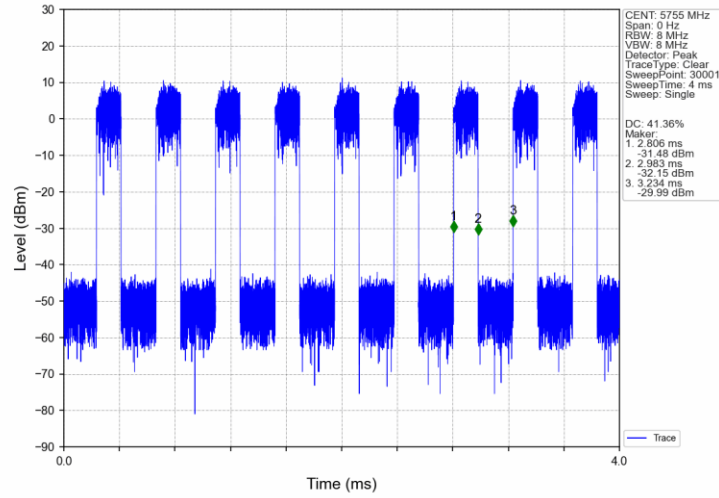


802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

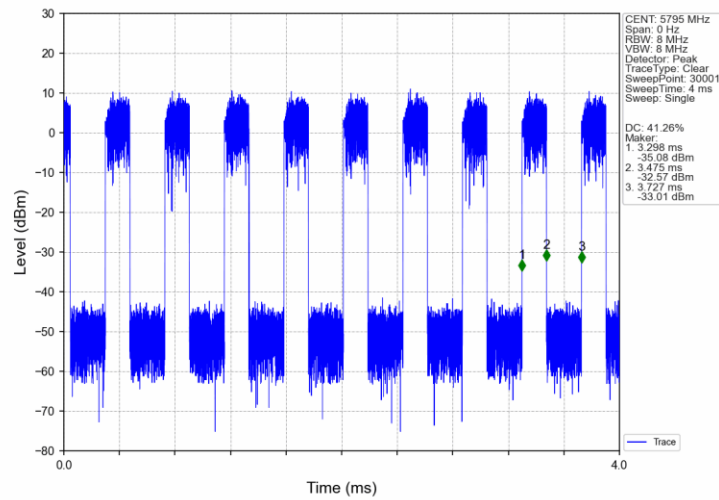




802.11n(HT40)_LCH_5755MHz_Ant1_NTNV

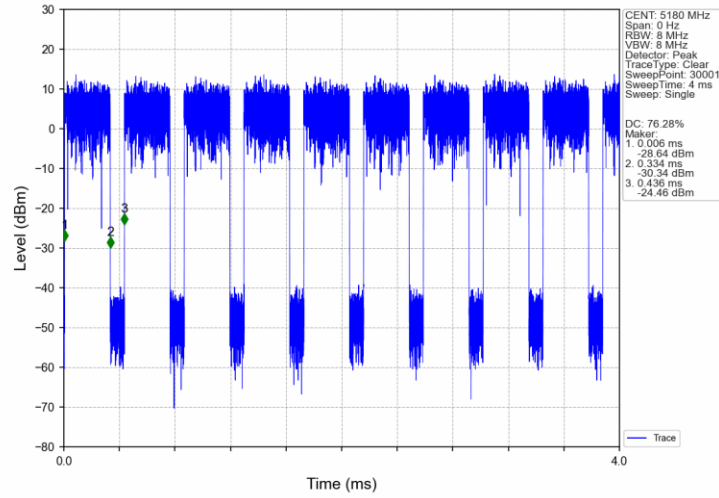


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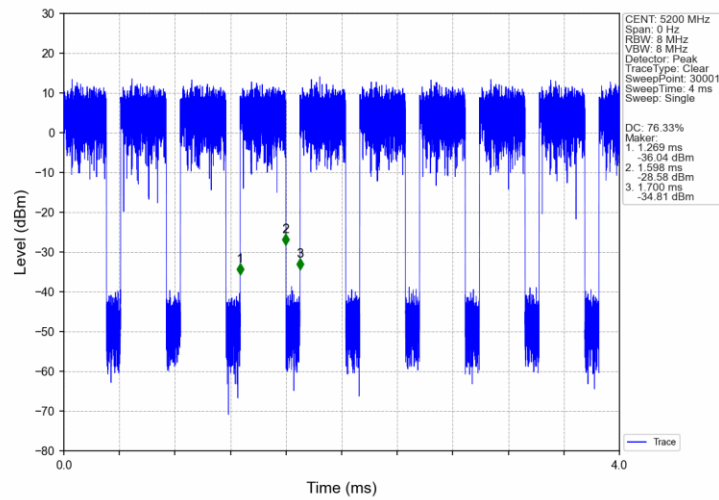




802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

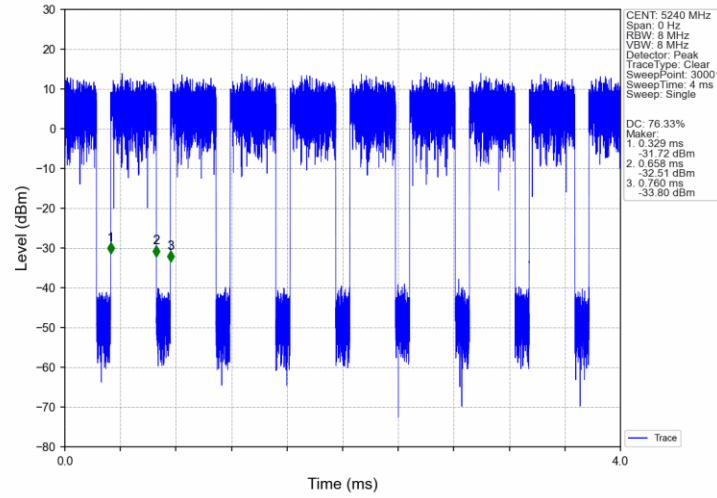


802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

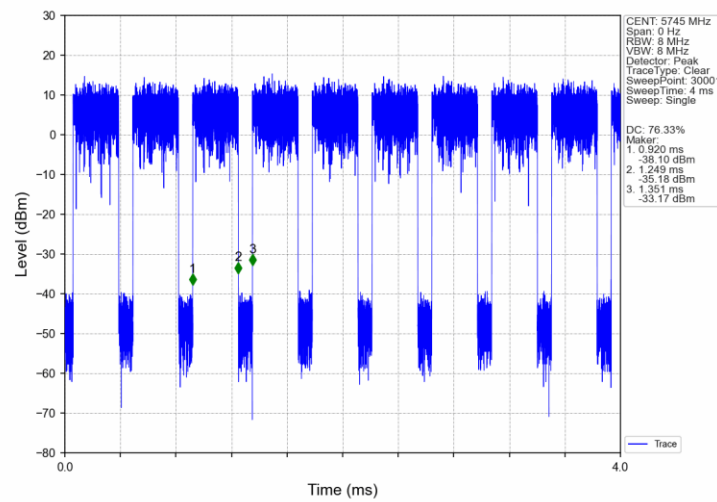




802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV

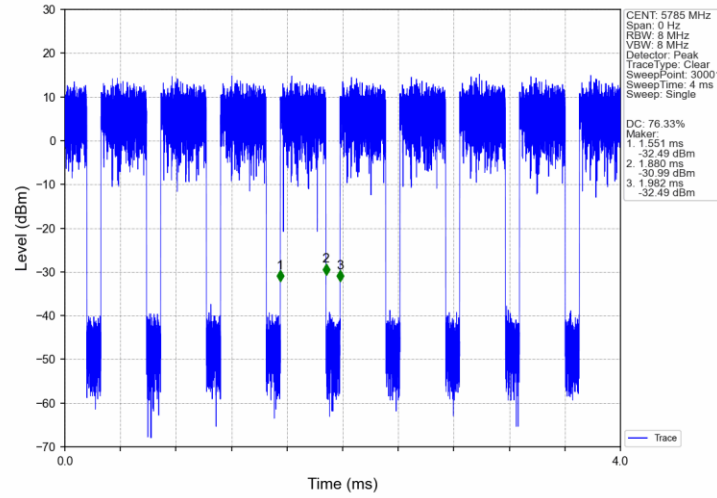


802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV

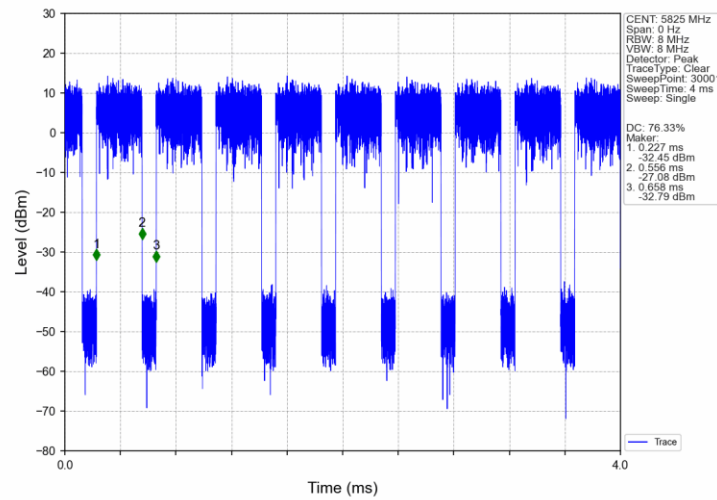




802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV

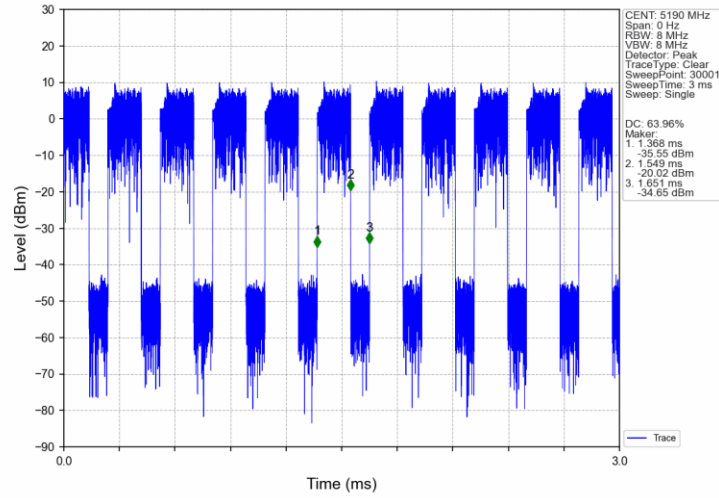


802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV

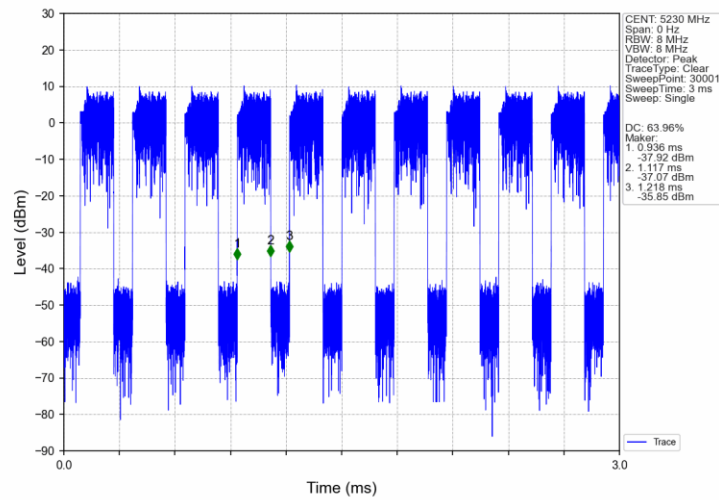




802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV

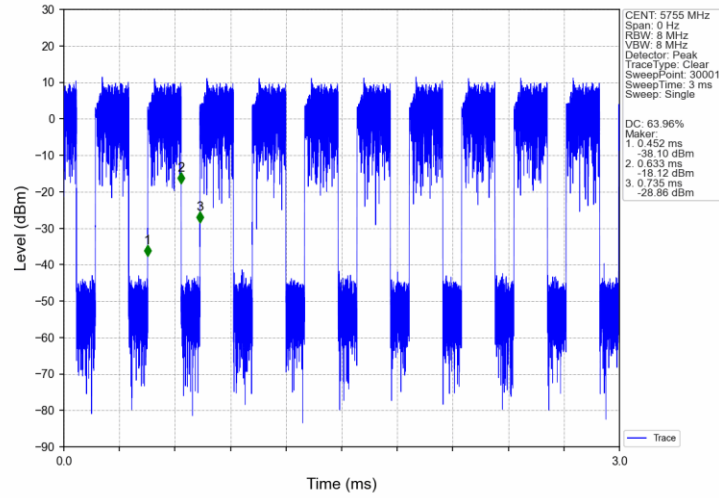


802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

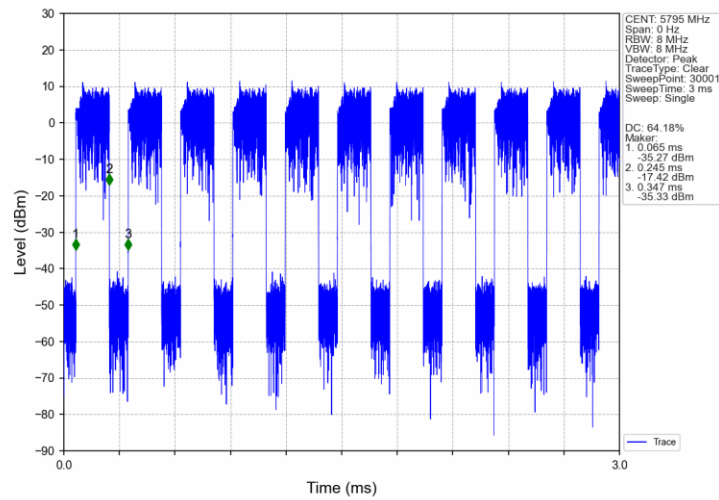




802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV

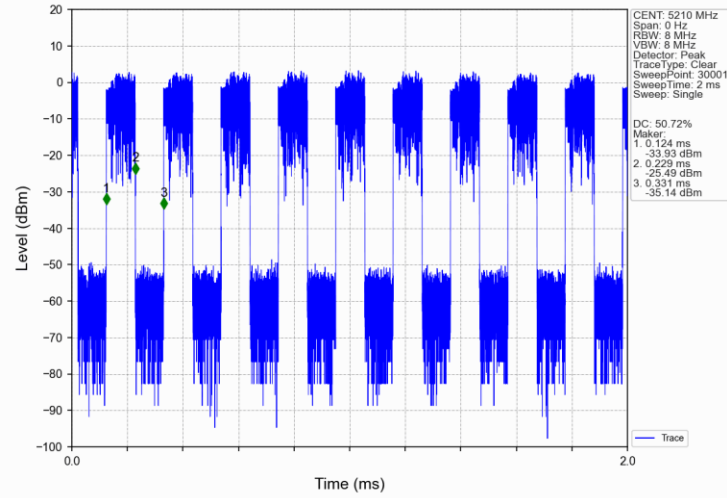


802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV

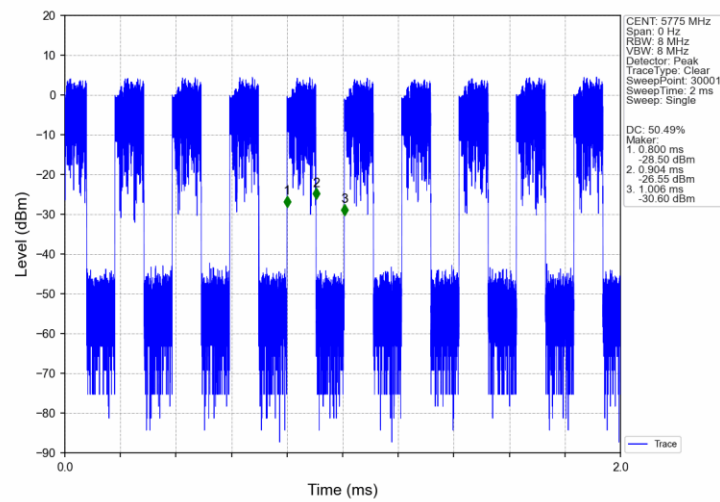




802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

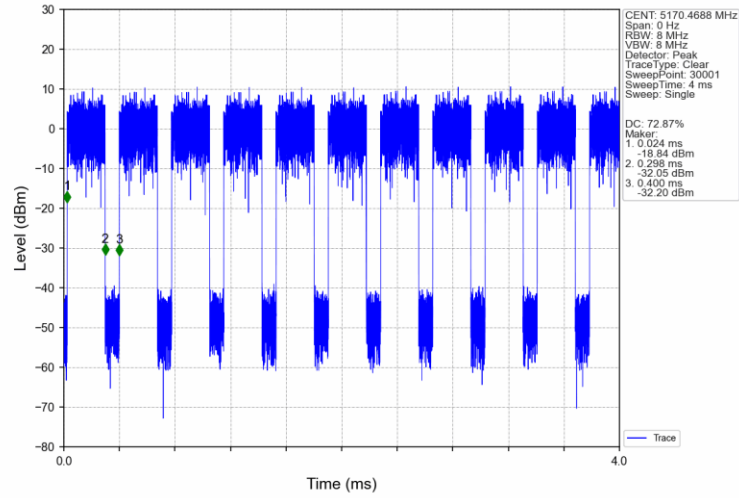


802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV

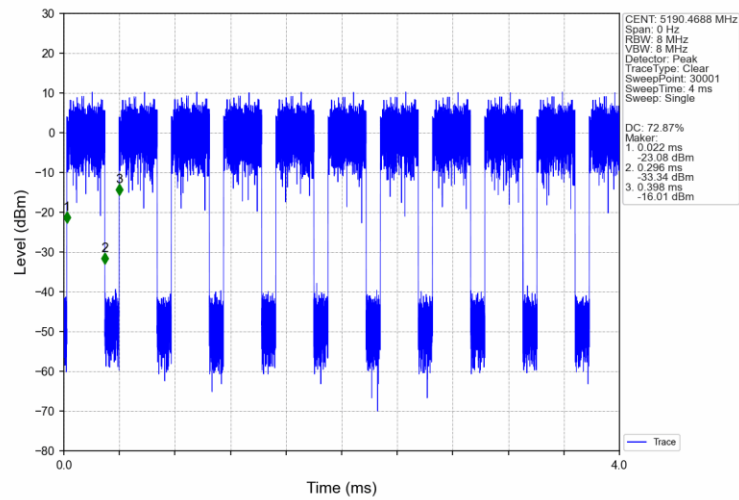




802.11ax(HEW20)_LCH_5180MHz_SU_/_Ant1_NTNV



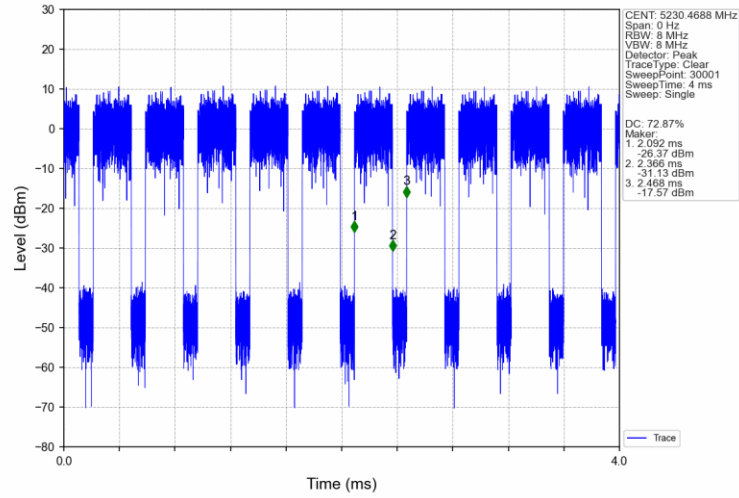
802.11ax(HEW20)_MCH_5200MHz_SU_/_Ant1_NTNV



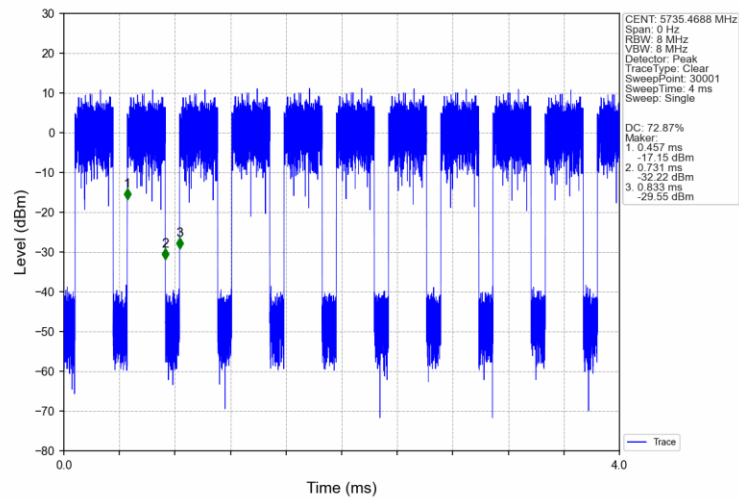


260417017FW4M1

802.11ax(HEW20)_HCH_5240MHz_SU_/_Ant1_NTNV

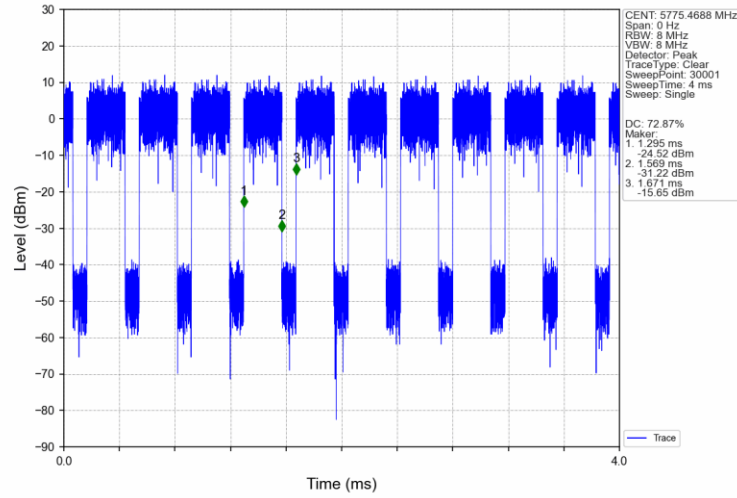


802.11ax(HEW20)_LCH_5745MHz_SU_/_Ant1_NTNV

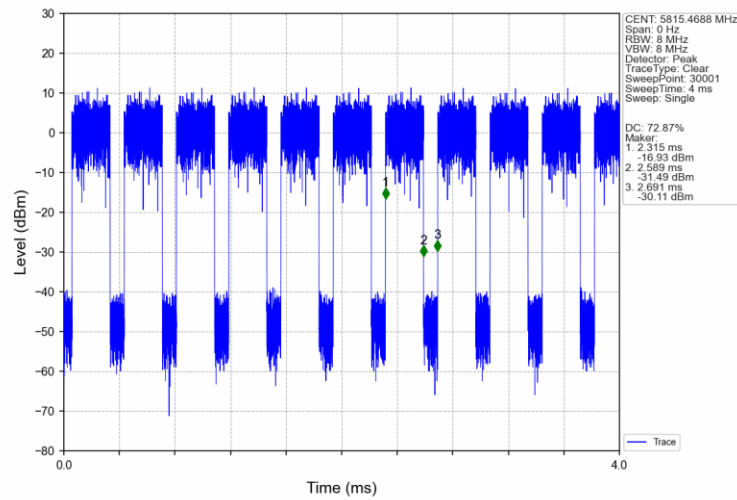




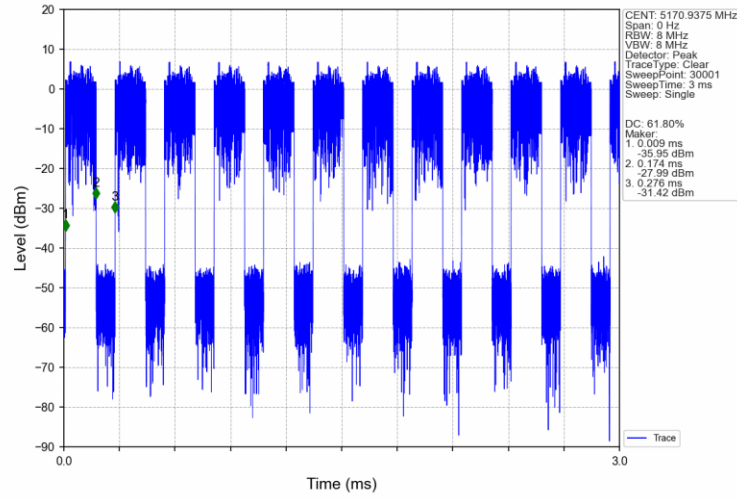
802.11ax(HEW20)_MCH_5785MHz_SU_ / Ant1_NTNV



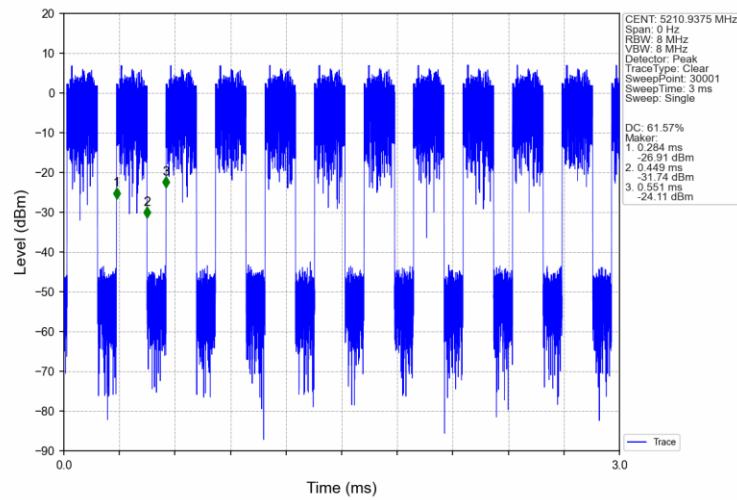
802.11ax(HEW20)_HCH_5825MHz_SU_ / Ant1_NTNV



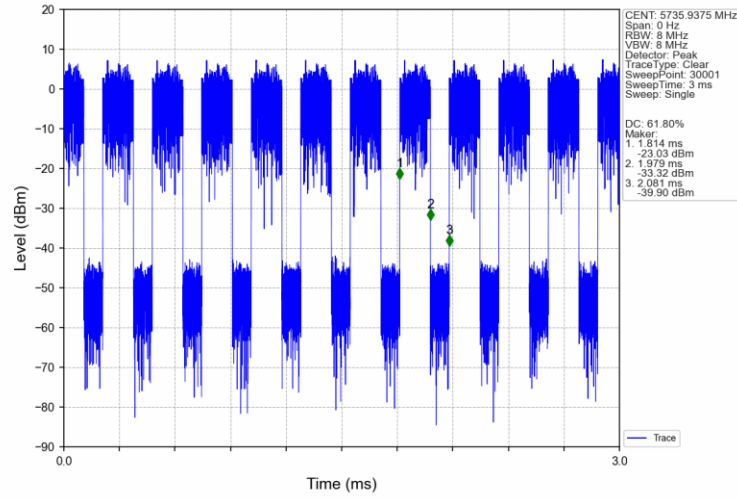
802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV



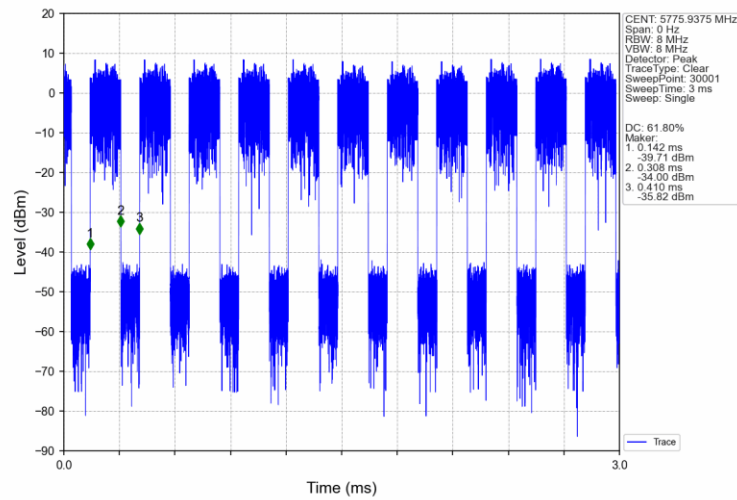
802.11ax(HEW40)_HCH_5230MHz_SU_ / Ant1_NTNV



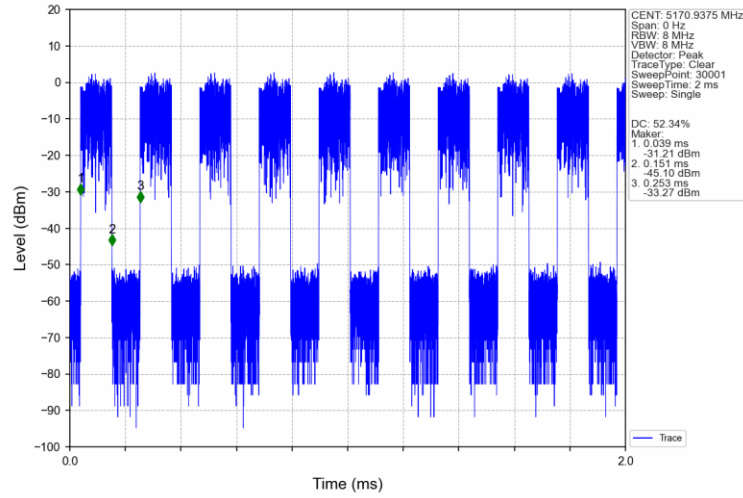
802.11ax(HEW40)_LCH_5755MHz_SU_ / _Ant1_NTNV



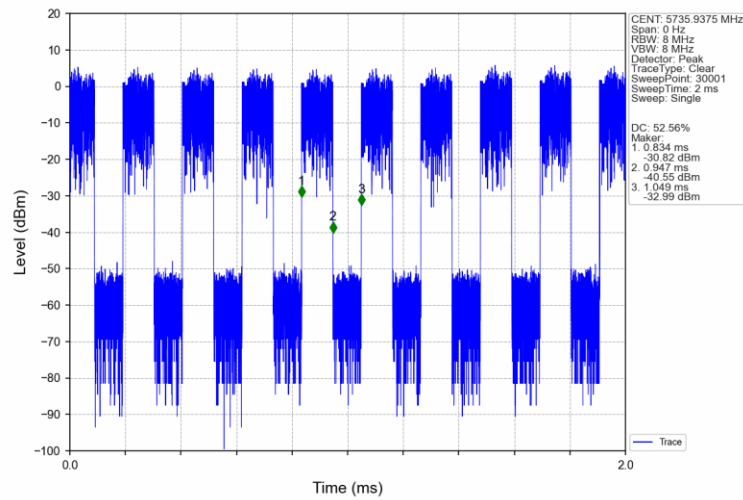
802.11ax(HEW40)_HCH_5795MHz_SU_ / _Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_SU_ / Ant1_NTNV

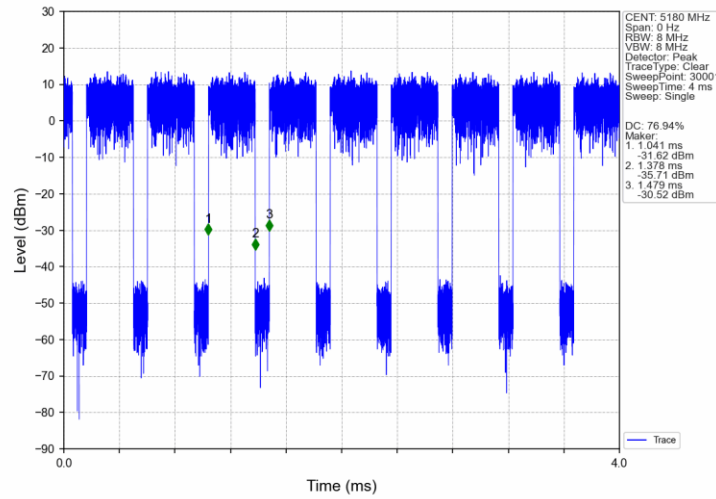


802.11ax(HEW80)_MCH_5775MHz_SU_ / Ant1_NTNV

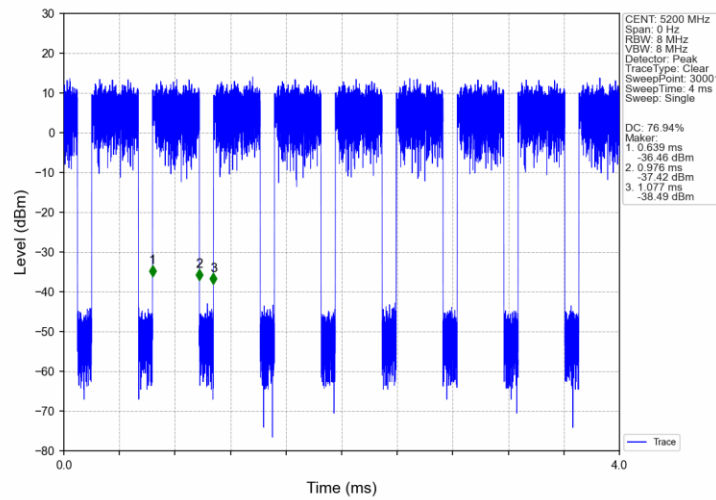


1.2.2 Ant2

802.11a_LCH_5180MHz_Ant2_NTNV

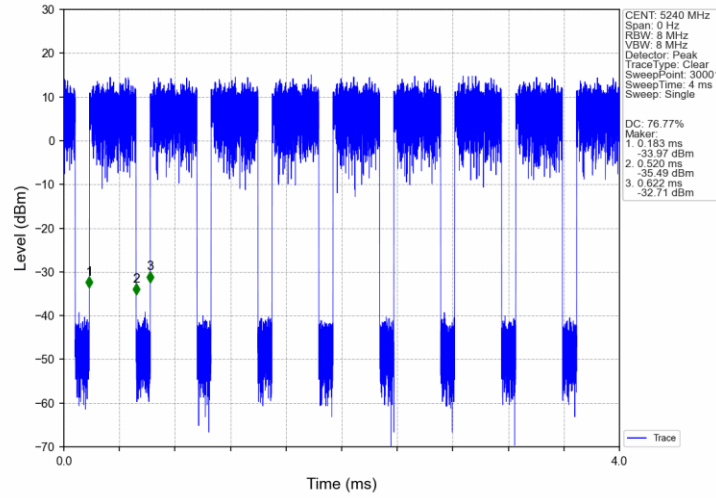


802.11a_MCH_5200MHz_Ant2_NTNV

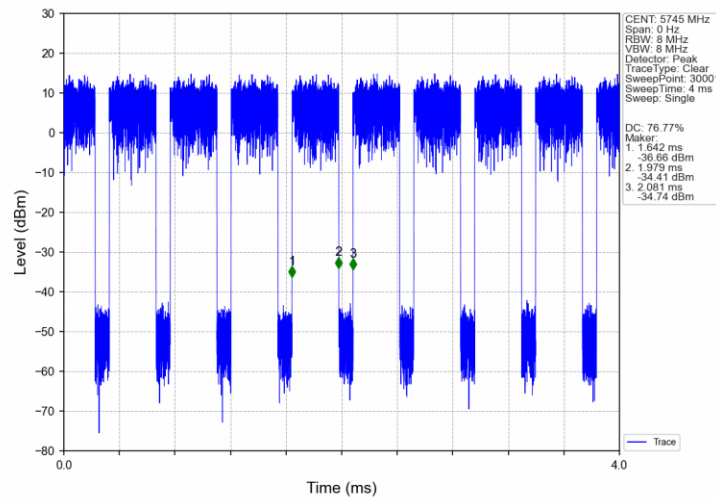




802.11a_HCH_5240MHz_Ant2_NTNV

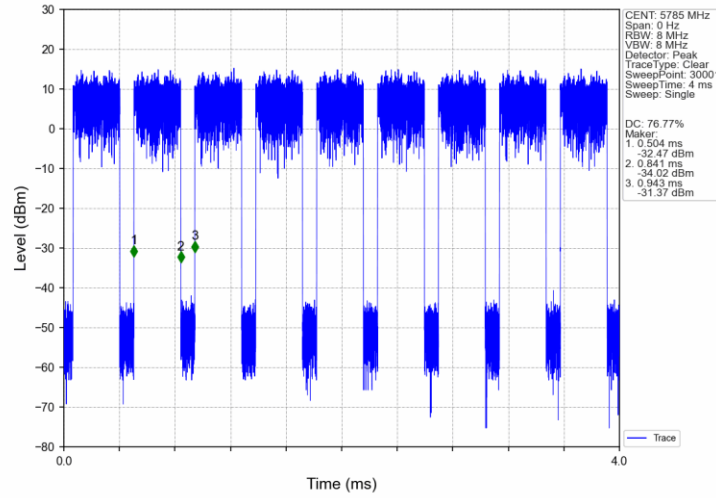


802.11a_LCH_5745MHz_Ant2_NTNV

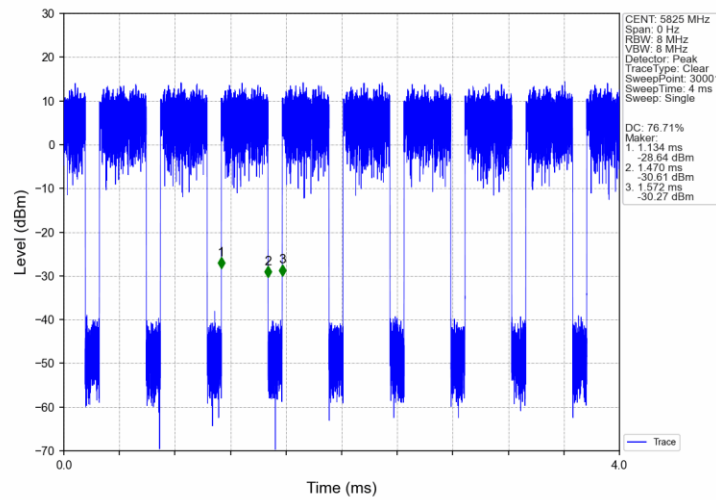




802.11a_MCH_5785MHz_Ant2_NTNV

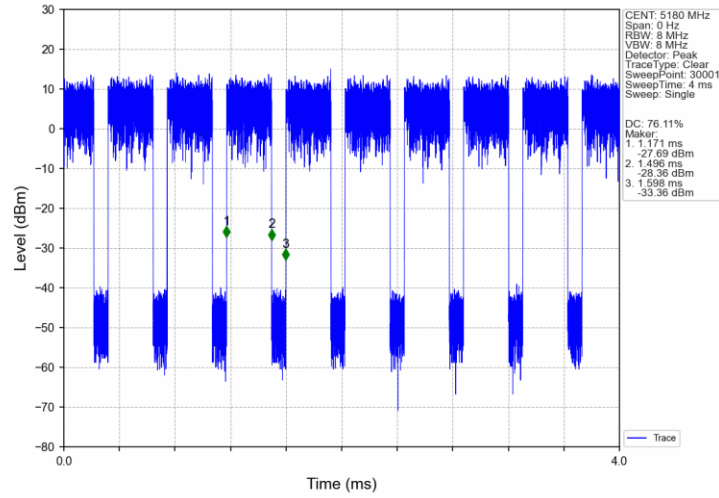


802.11a_HCH_5825MHz_Ant2_NTNV

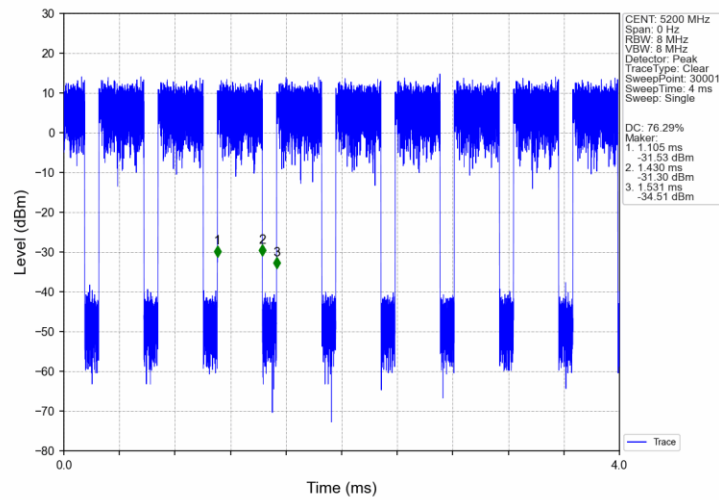




802.11n(HT20)_LCH_5180MHz_Ant2_NTNV

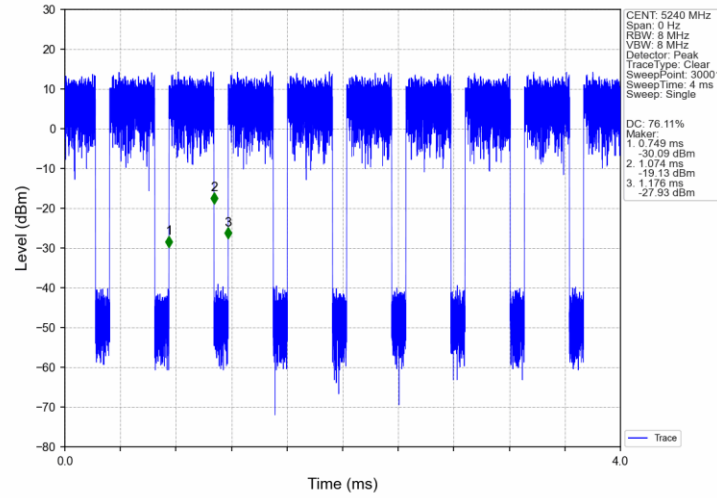


802.11n(HT20)_MCH_5200MHz_Ant2_NTNV

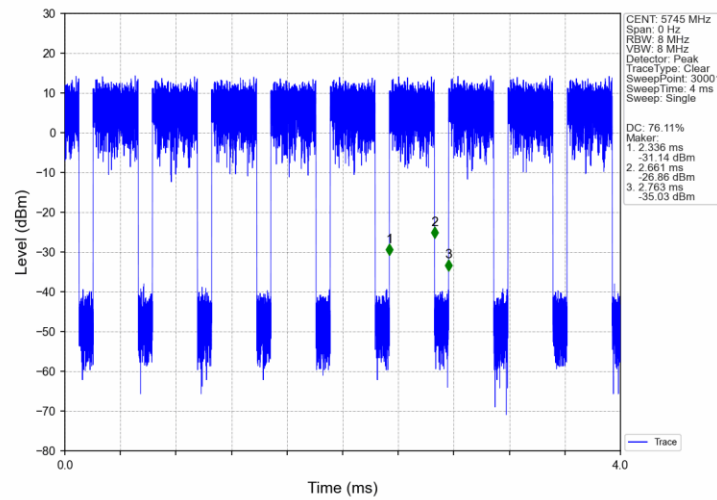




802.11n(HT20)_HCH_5240MHz_Ant2_NTNV

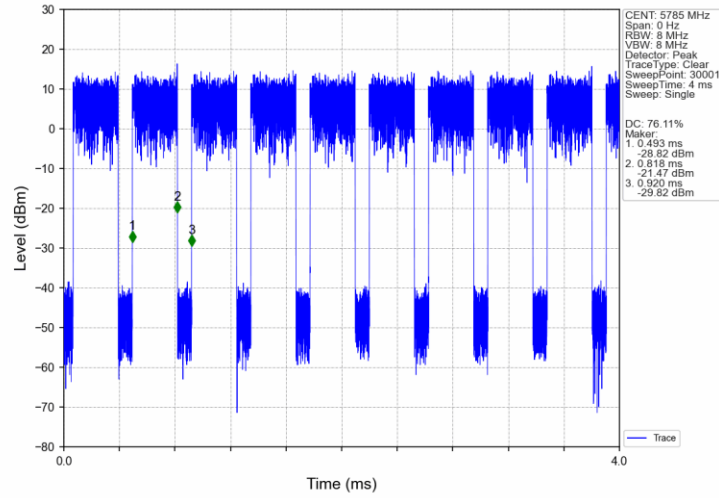


802.11n(HT20)_LCH_5745MHz_Ant2_NTNV

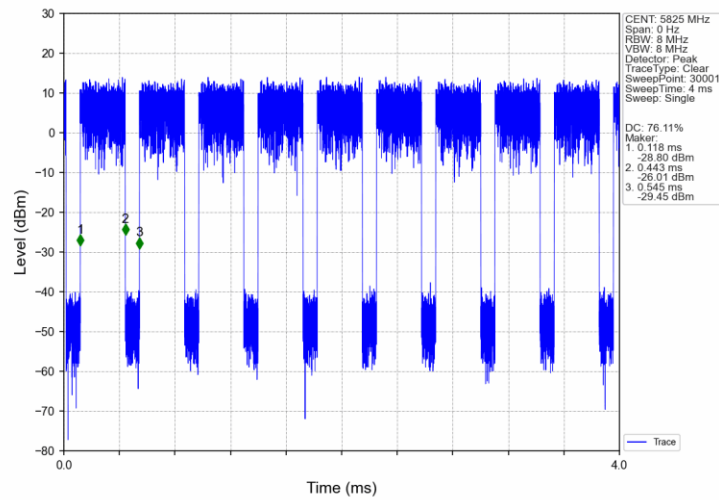




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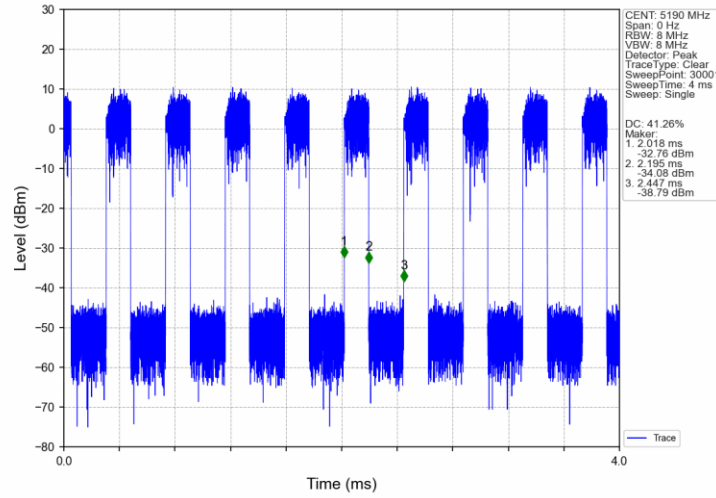


802.11n(HT20)_HCH_5825MHz_Ant2_NTNV

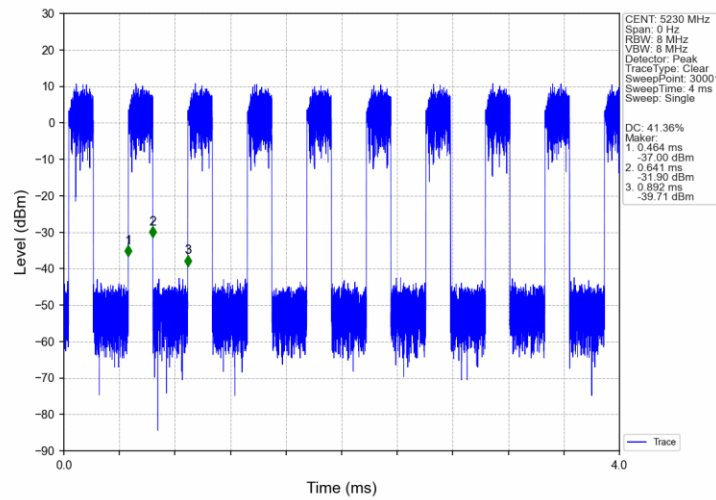




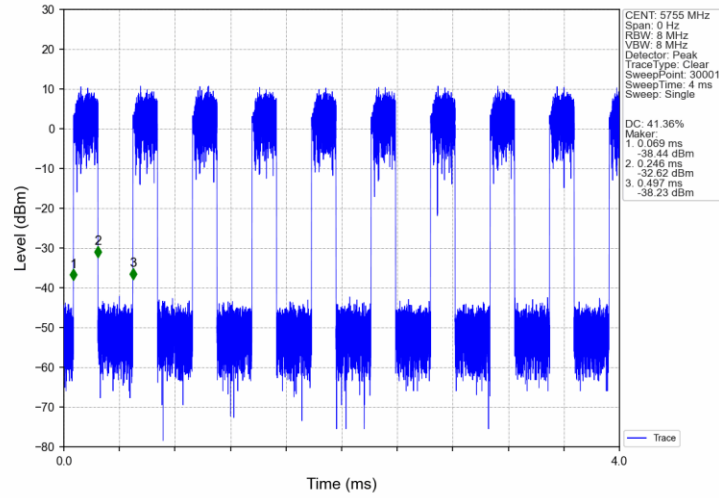
802.11n(HT40)_LCH_5190MHz_Ant2_NTNV



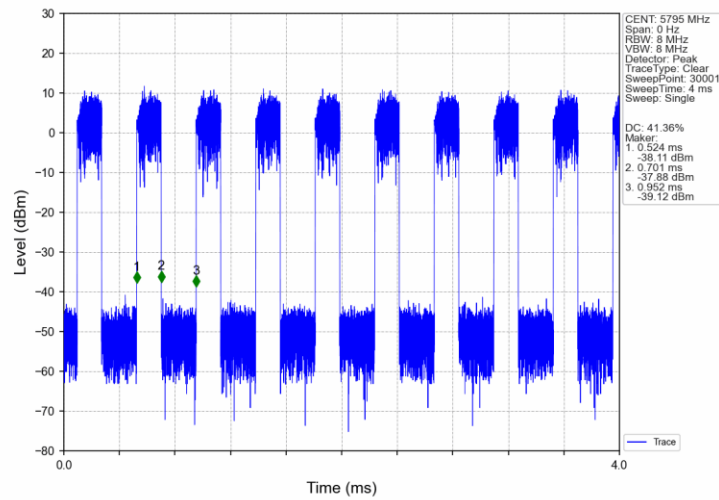
802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



802.11n(HT40)_LCH_5755MHz_Ant2_NTNV

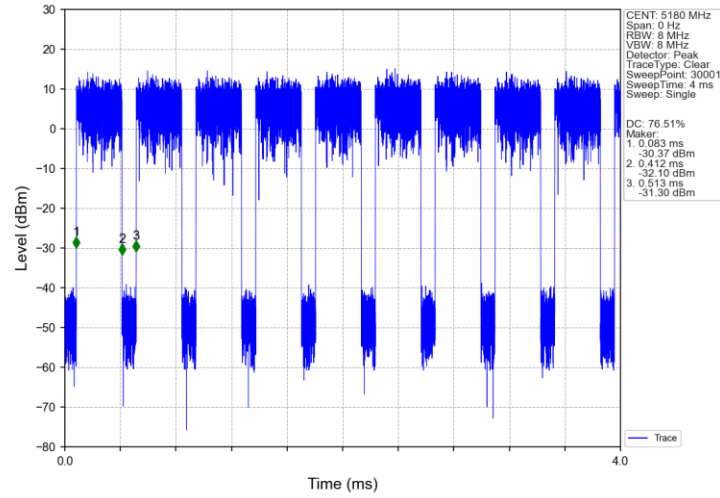


802.11n(HT40)_HCH_5795MHz_Ant2_NTNV

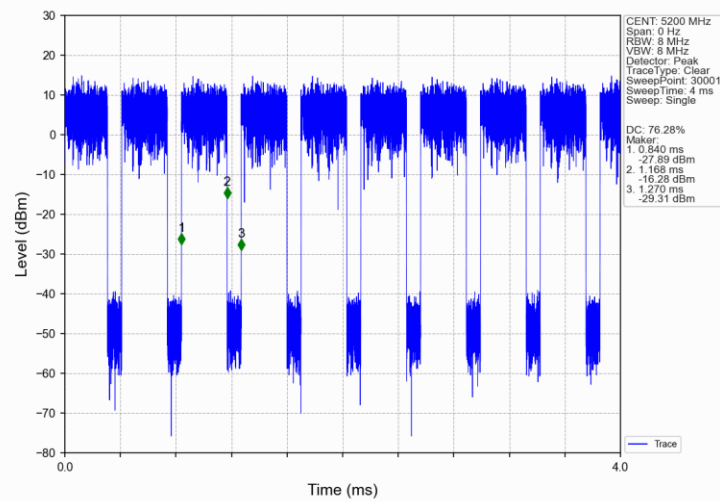




802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV

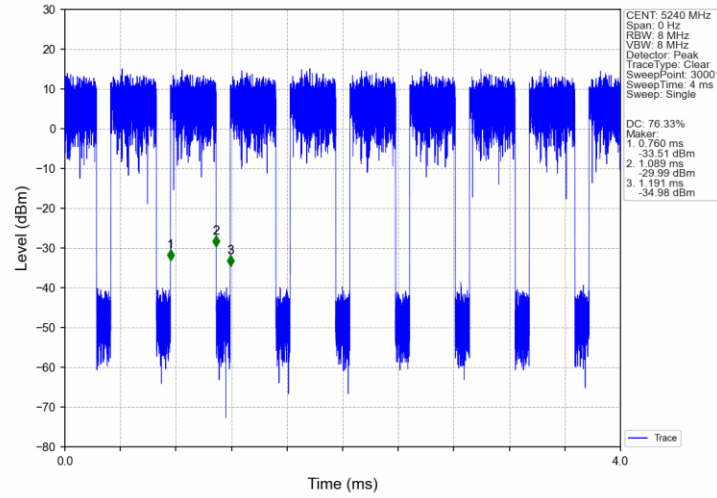


802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV

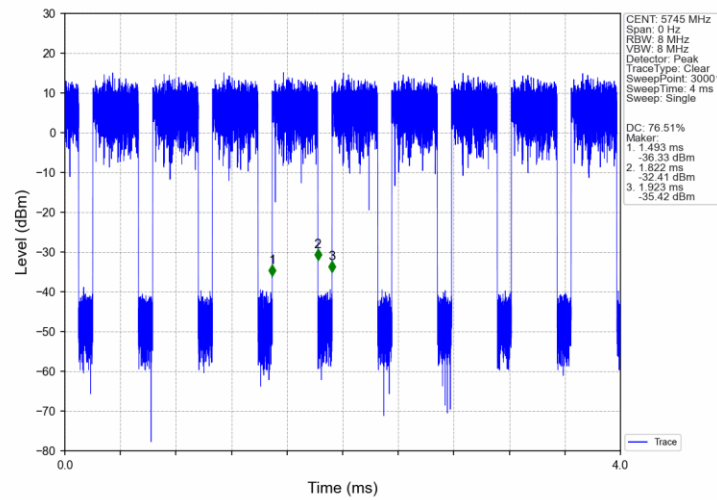




802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV

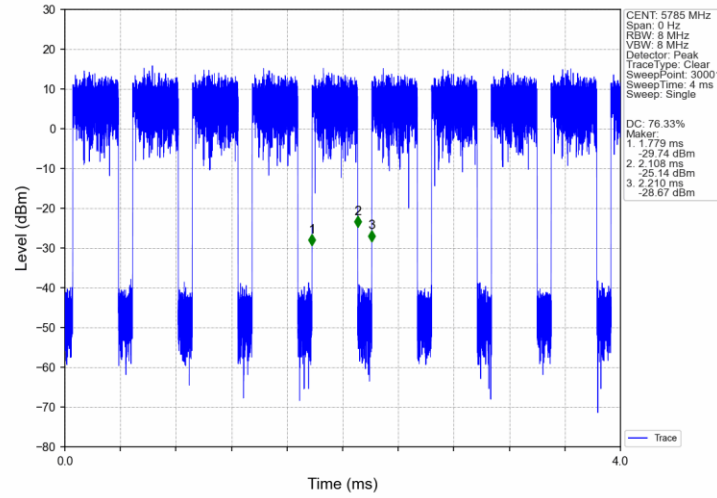


802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV





802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV

