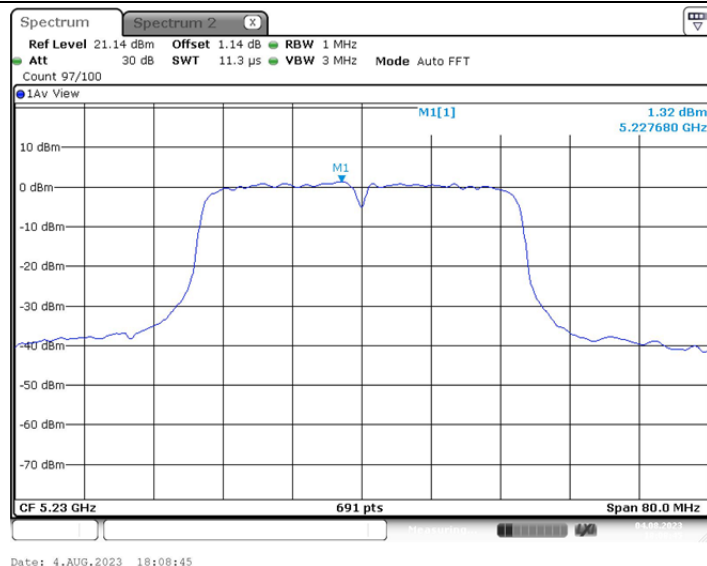
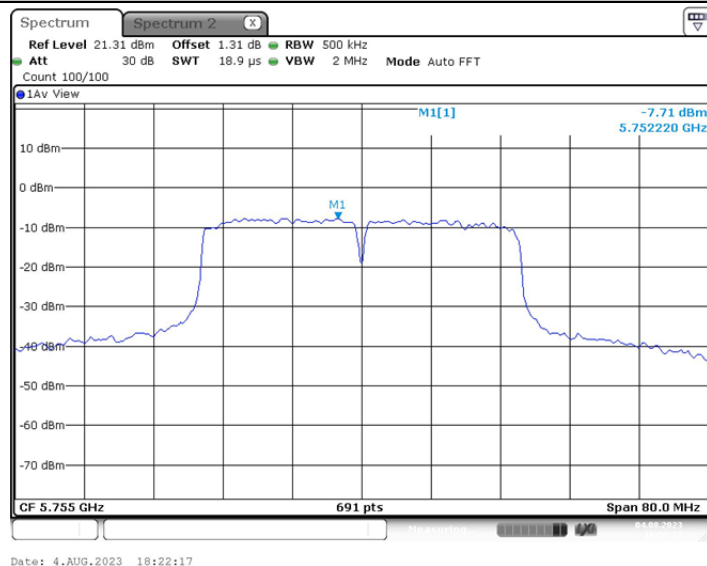
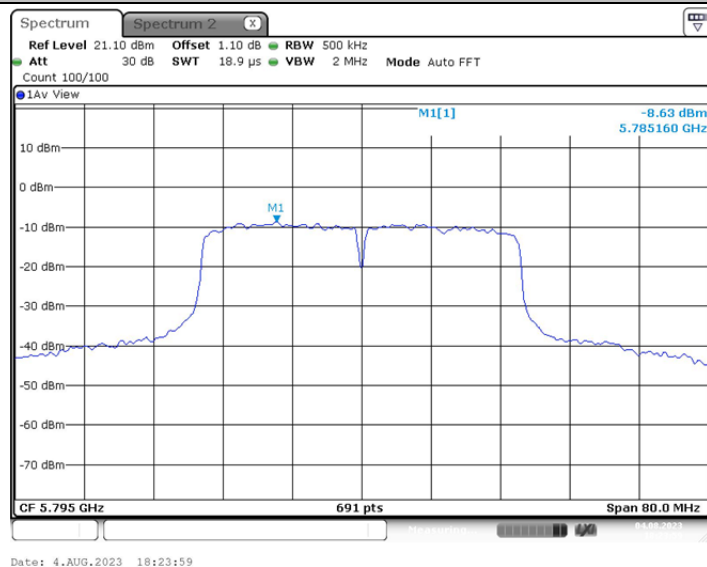




802.11ax(HE40)_5755



802.11ax(HE40)_5795



Appendix D: Frequency Stability

Test Result

Voltage							
Test Mode	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20MHz	5180	NV	NT	-66900	-12.915058	20	PASS
		LV	NT	-66900	-12.915058	20	PASS
		HV	NT	-66900	-12.915058	20	PASS
	5200	NV	NT	-66900	-12.865385	20	PASS
		LV	NT	-66900	-12.865385	20	PASS
		HV	NT	-67900	-13.057692	20	PASS
	5240	NV	NT	-64900	-12.385496	20	PASS
		LV	NT	-64900	-12.385496	20	PASS
		HV	NT	-64900	-12.385496	20	PASS
	5745	NV	NT	-68900	-11.993037	20	PASS
		LV	NT	-69900	-12.167102	20	PASS
		HV	NT	-69900	-12.167102	20	PASS
	5785	NV	NT	-70900	-12.255834	20	PASS
		LV	NT	-70900	-12.255834	20	PASS
		HV	NT	-70900	-12.255834	20	PASS
	5825	NV	NT	-71900	-12.343348	20	PASS
		LV	NT	-69900	-12.000000	20	PASS
		HV	NT	-70900	-12.171674	20	PASS
40MHz	5190	NV	NT	-62900	-12.119461	20	PASS
		LV	NT	-63900	-12.312139	20	PASS
		HV	NT	-62900	-12.119461	20	PASS
	5230	NV	NT	-64900	-12.409178	20	PASS
		LV	NT	-63900	-12.217973	20	PASS
		HV	NT	-62900	-12.026769	20	PASS
	5755	NV	NT	-69900	-12.145960	20	PASS
		LV	NT	-69900	-12.145960	20	PASS
		HV	NT	-69900	-12.145960	20	PASS
	5795	NV	NT	-69900	-12.062123	20	PASS
		LV	NT	-69900	-12.062123	20	PASS
		HV	NT	-69900	-12.062123	20	PASS

Temperature							
Test Mode	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
802.11ac(VH T20)	5180	NV	0	-66900	-12.915058	20	PASS
		NV	10	-66900	-12.915058	20	PASS
		NV	20	-66900	-12.915058	20	PASS
		NV	30	-66900	-12.915058	20	PASS
		NV	40	-66900	-12.915058	20	PASS
	5200	NV	0	-67900	-13.057692	20	PASS
		NV	10	-67900	-13.057692	20	PASS
		NV	20	-67900	-13.057692	20	PASS
		NV	30	-67900	-13.057692	20	PASS
		NV	40	-67900	-13.057692	20	PASS
	5240	NV	0	-64900	-12.385496	20	PASS
		NV	10	-64900	-12.385496	20	PASS
		NV	20	-64900	-12.385496	20	PASS
		NV	30	-65900	-12.576336	20	PASS
		NV	40	-64900	-12.385496	20	PASS
	5745	NV	0	-69900	-12.167102	20	PASS
		NV	10	-69900	-12.167102	20	PASS
		NV	20	-69900	-12.167102	20	PASS
		NV	30	-68900	-11.993037	20	PASS
		NV	40	-69900	-12.167102	20	PASS
	5785	NV	0	-70900	-12.255834	20	PASS
		NV	10	-69900	-12.082973	20	PASS
		NV	20	-70900	-12.255834	20	PASS
		NV	30	-70900	-12.255834	20	PASS
		NV	40	-69900	-12.082973	20	PASS
	5825	NV	0	-70900	-12.171674	20	PASS
		NV	10	-70900	-12.171674	20	PASS
		NV	20	-69900	-12.000000	20	PASS
		NV	30	-70900	-12.171674	20	PASS
		NV	40	-69900	-12.000000	20	PASS
802.11ac(VH T40)	5190	NV	0	-63900	-12.312139	20	PASS
		NV	10	-62900	-12.119461	20	PASS
		NV	20	-63900	-12.312139	20	PASS
		NV	30	-62900	-12.119461	20	PASS
		NV	40	-62900	-12.119461	20	PASS
	5230	NV	0	-62900	-12.026769	20	PASS
		NV	10	-62900	-12.026769	20	PASS
		NV	20	-62900	-12.026769	20	PASS
		NV	30	-64900	-12.409178	20	PASS
		NV	40	-63900	-12.217973	20	PASS
	5755	NV	0	-69900	-12.145960	20	PASS
		NV	10	-69900	-12.145960	20	PASS
		NV	20	-69900	-12.145960	20	PASS

		NV	30	-68900	-11.972198	20	PASS
		NV	40	-68900	-11.972198	20	PASS
	5795	NV	0	-70900	-12.234685	20	PASS
		NV	10	-69900	-12.062123	20	PASS
		NV	20	-69900	-12.062123	20	PASS
		NV	30	-70900	-12.234685	20	PASS
		NV	40	-69900	-12.062123	20	PASS

Appendix E: Duty Cycle

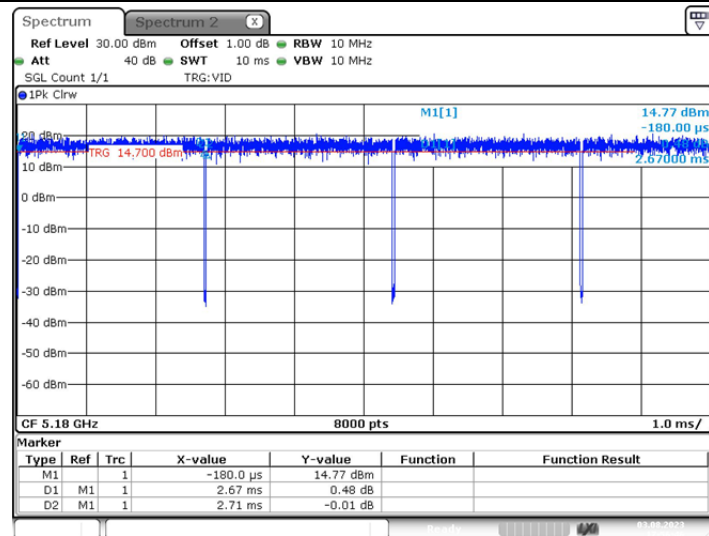
Test Result

Test Mode	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)	Duty factor (dB)
802.11a	5180	2.67	2.71	98.52	0.375	1	0.06
	5200	2.68	2.71	98.89	0.373	1	0.05
	5240	2.68	2.71	98.89	0.373	1	0.05
	5745	2.68	2.71	98.89	0.373	1	0.05
	5785	2.68	2.71	98.89	0.373	1	0.05
	5825	2.68	2.71	98.89	0.373	1	0.05
802.11n(HT20)	5180	2.50	2.60	96.15	0.400	1	0.17
	5200	2.50	2.53	98.81	0.400	1	0.05
	5240	2.49	2.69	92.57	0.402	1	0.34
	5745	2.49	2.53	98.42	0.402	1	0.07
	5785	2.49	2.52	98.81	0.402	1	0.05
	5825	2.50	2.53	98.81	0.400	1	0.05
802.11n(HT40)	5190	1.22	1.25	97.60	0.820	1	0.11
	5230	1.22	1.26	96.83	0.820	1	0.14
	5755	1.22	1.25	97.60	0.820	1	0.11
	5795	1.22	1.26	96.83	0.820	1	0.14
802.11ac(VHT20)	5180	1.27	1.31	96.95	0.787	1	0.13
	5200	1.27	1.31	96.95	0.787	1	0.13
	5240	1.27	1.31	96.95	0.787	1	0.13
	5745	1.27	1.31	96.95	0.787	1	0.13
	5785	1.27	1.31	96.95	0.787	1	0.13
	5825	1.27	1.30	97.69	0.787	1	0.10
802.11ac(VHT40)	5190	0.63	0.67	94.03	1.587	3	0.27
	5230	0.63	0.67	94.03	1.587	3	0.27
	5755	0.63	0.67	94.03	1.587	3	0.27
	5795	0.64	0.67	95.52	1.563	3	0.20
802.11ax(HE20)	5180	1.91	1.94	98.45	0.524	1	0.07
	5200	1.91	1.94	98.45	0.524	1	0.07
	5240	1.91	1.94	98.45	0.524	1	0.07
	5745	1.91	1.94	98.45	0.524	1	0.07
	5785	1.91	1.94	98.45	0.524	1	0.07
	5825	1.91	1.94	98.45	0.524	1	0.07
802.11ax(HE40)	5190	1.22	1.26	96.83	0.820	1	0.14
	5230	1.22	1.26	96.83	0.820	1	0.14
	5755	1.23	1.32	93.18	0.813	1	0.31
	5795	1.23	1.26	97.62	0.813	1	0.10

Note: Duty Cycle Factor = $10 \cdot \log_{10}(1/\text{Duty Cycle})$

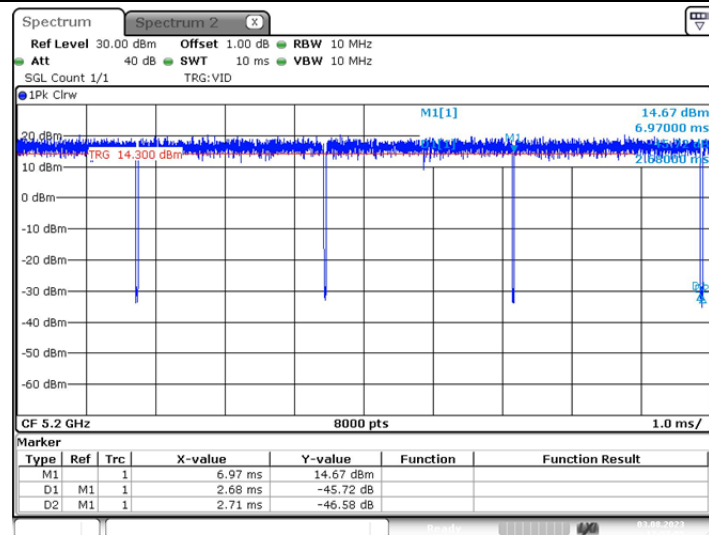
Test Graphs

802.11a_5180



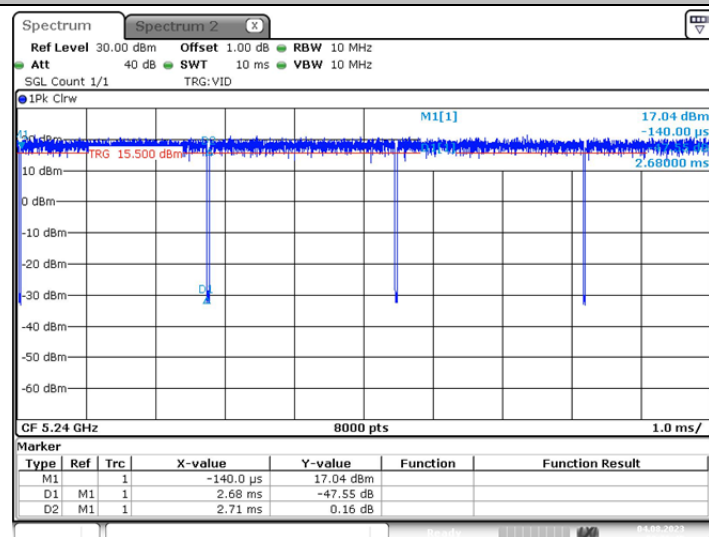
Date: 3.AUG.2023 17:56:45

802.11a_5200



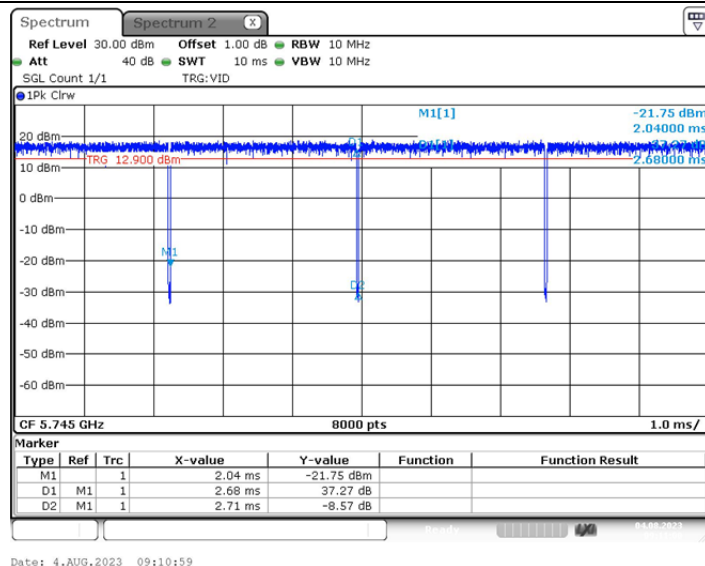
Date: 3.AUG.2023 17:57:55

802.11a_5240

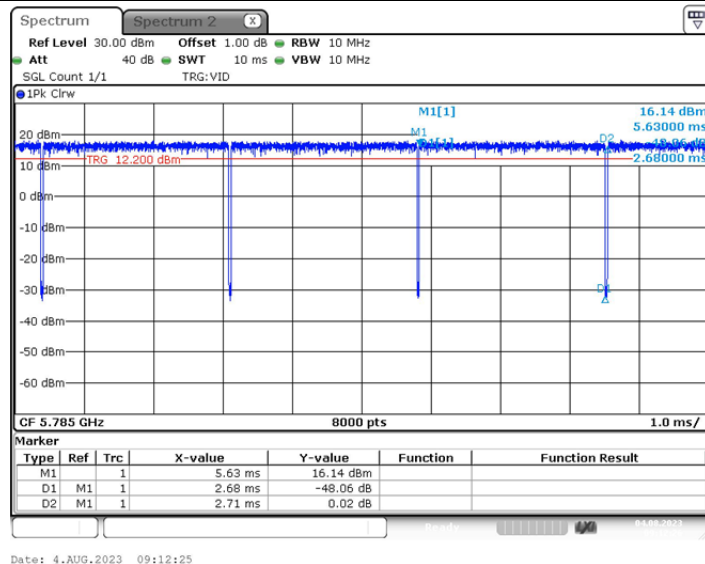


Date: 4.AUG.2023 09:36:45

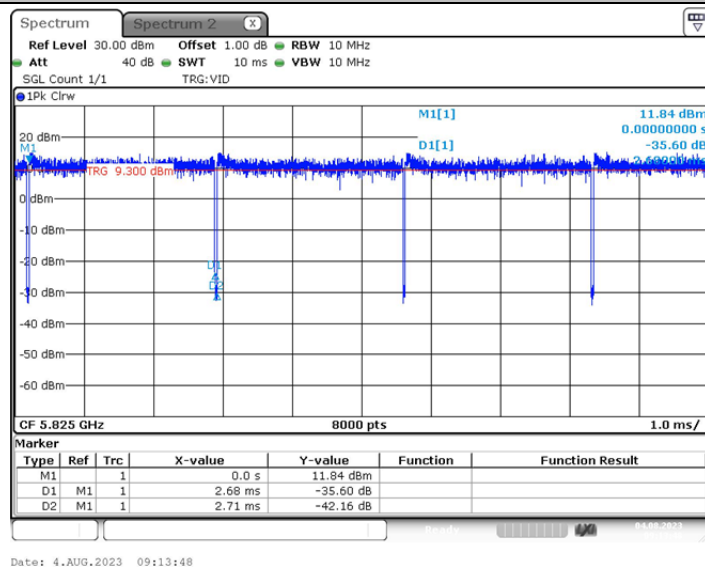
802.11a_5745



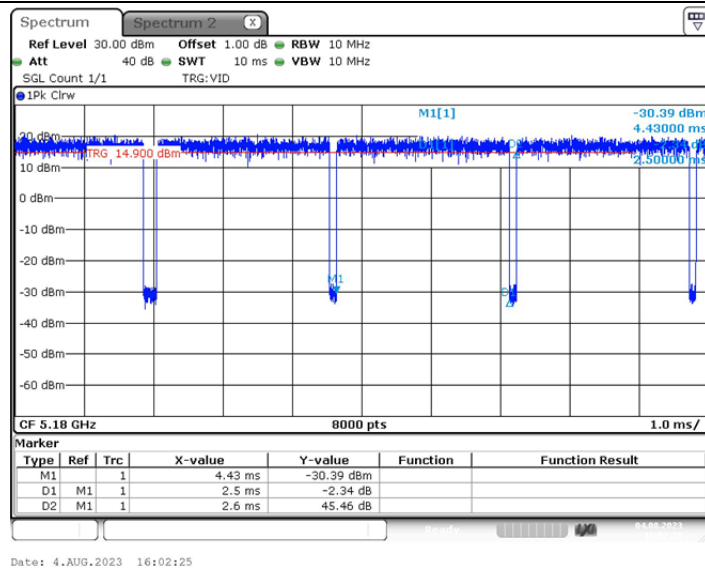
802.11a_5785



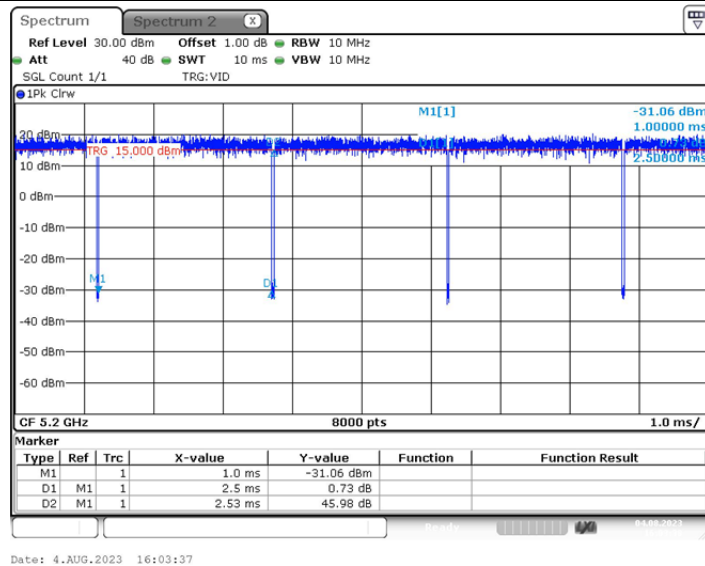
802.11a_5825



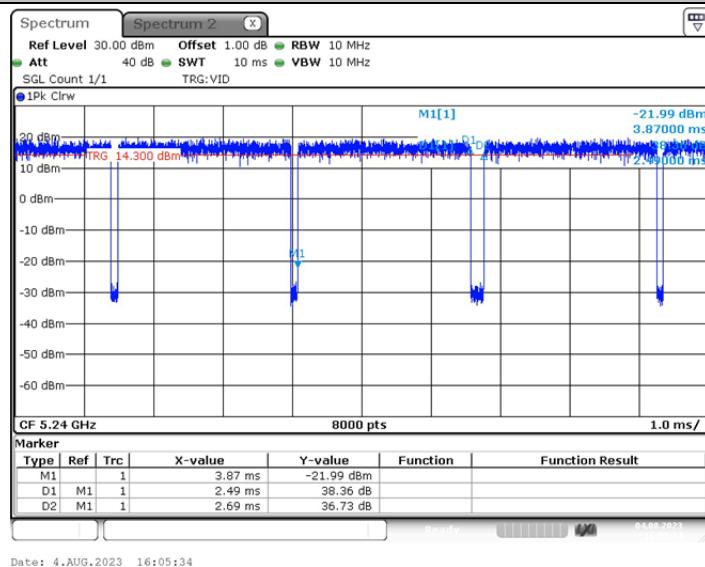
802.11n(HT20)_5180



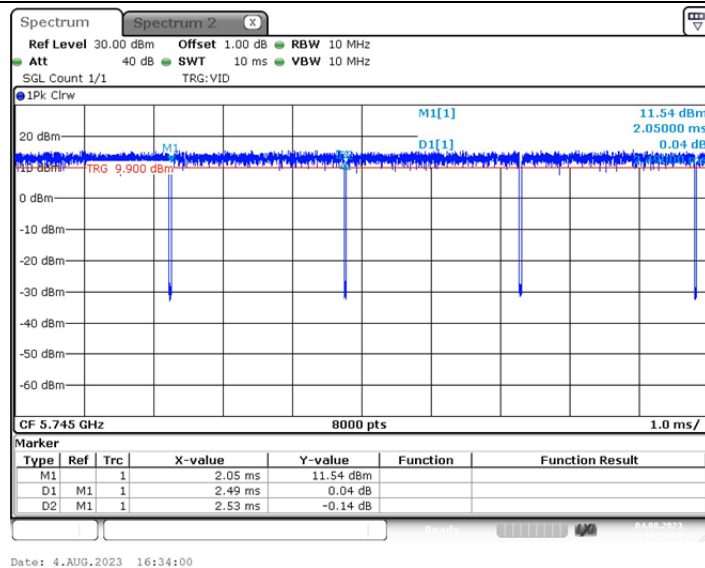
802.11n(HT20)_5200



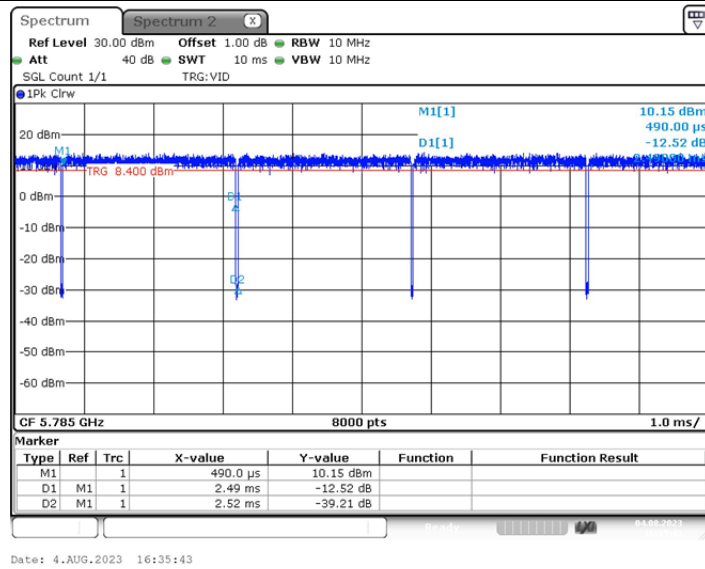
802.11n(HT20)_5240



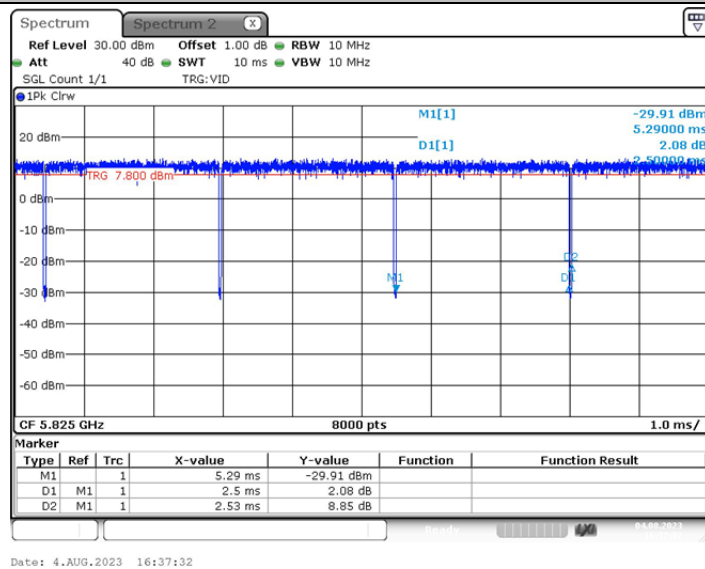
802.11n(HT20)_5745



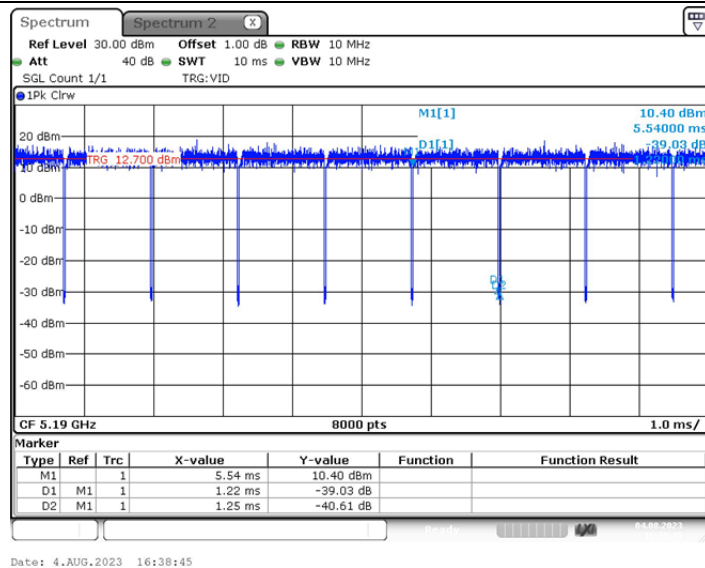
802.11n(HT20)_5785



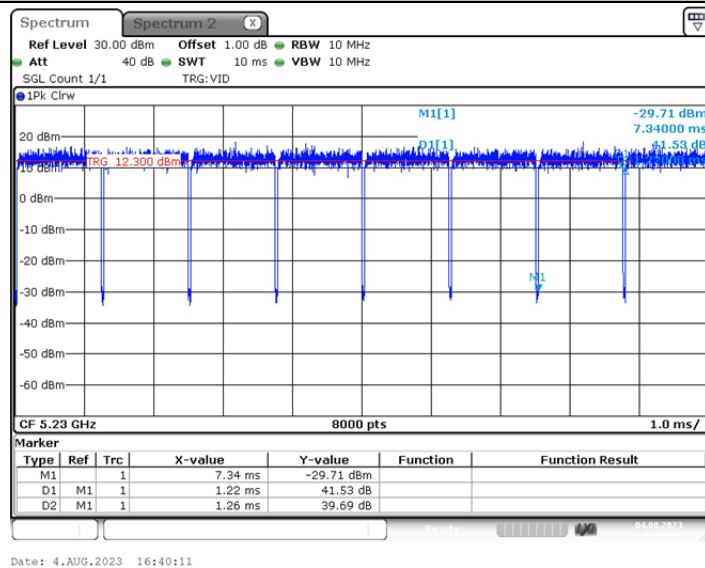
802.11n(HT20)_5825



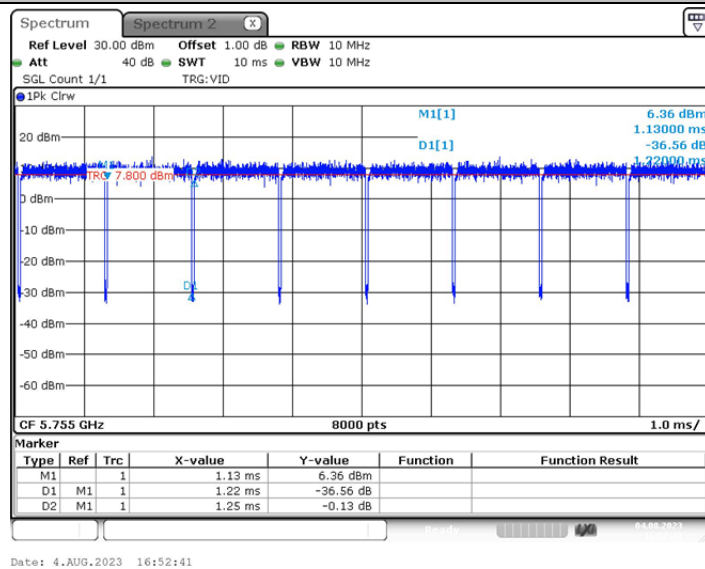
802.11n(HT40)_5190



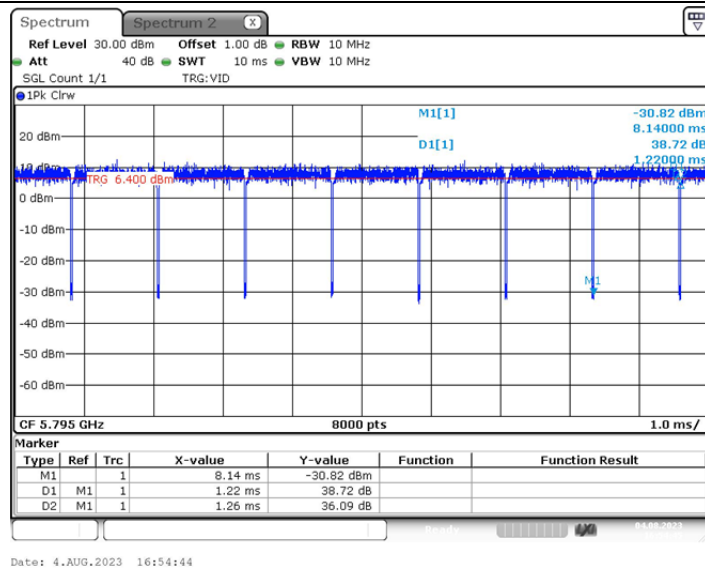
802.11n(HT40)_5230



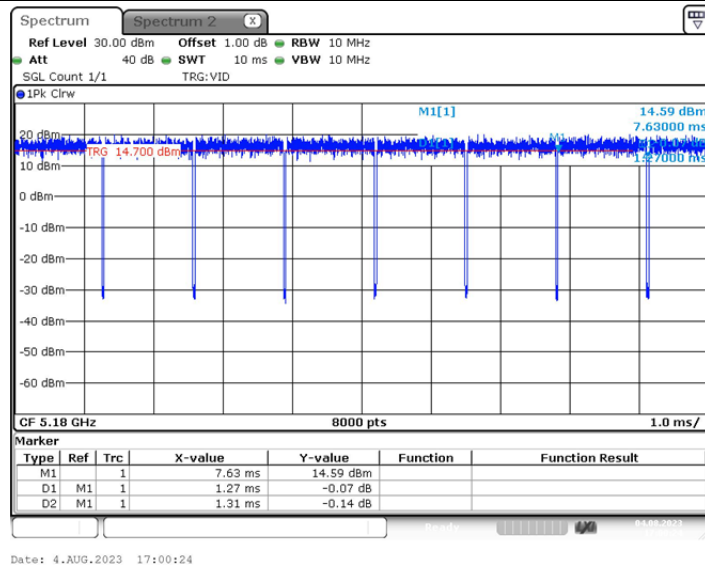
802.11n(HT40)_5755



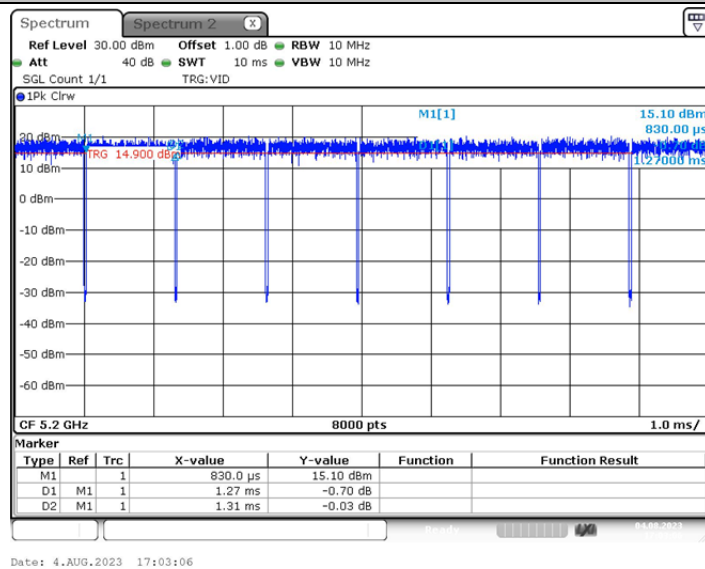
802.11n(HT40)_5795



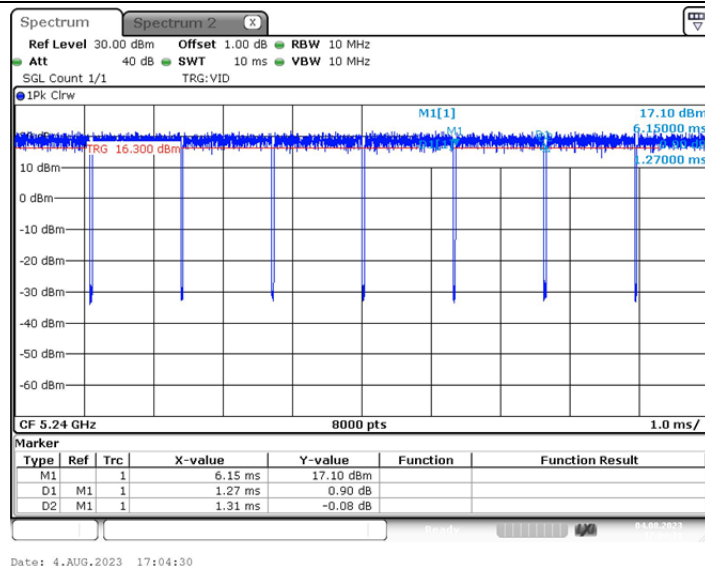
802.11ac(VHT20)_5180



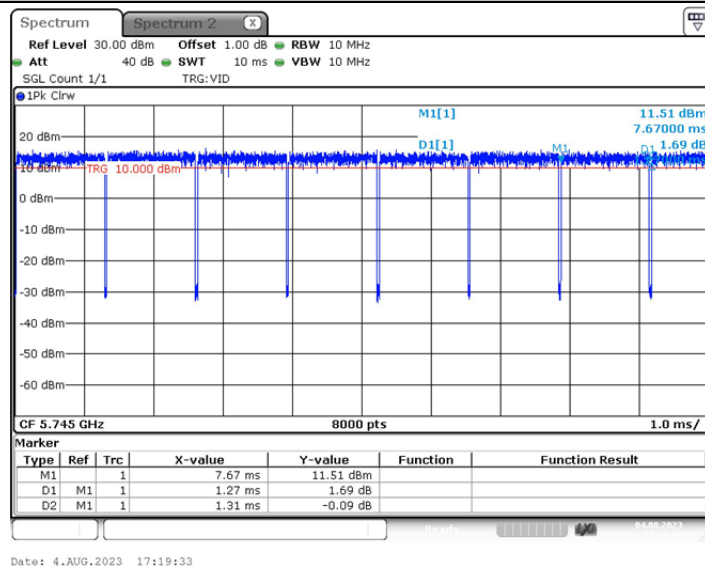
802.11ac(VHT20)_5200



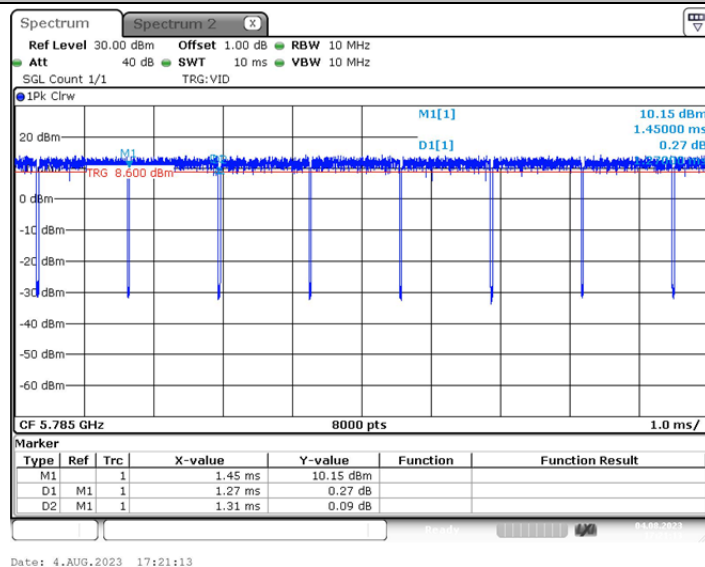
802.11ac(VHT20)_5240



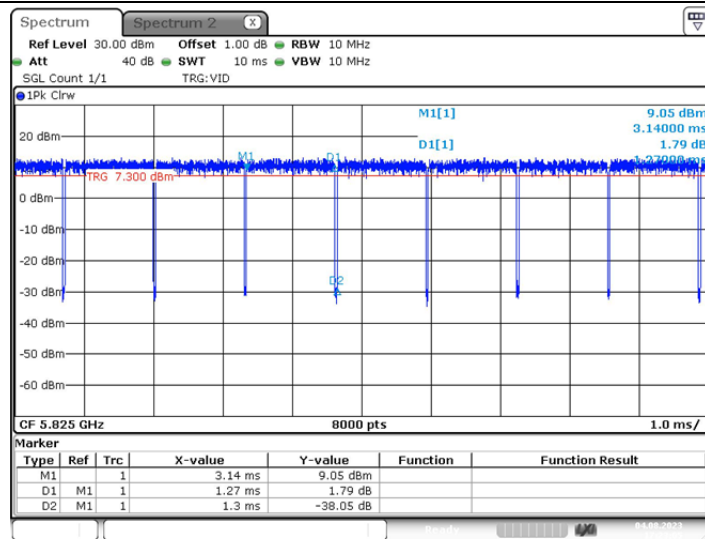
802.11ac(VHT20)_5745



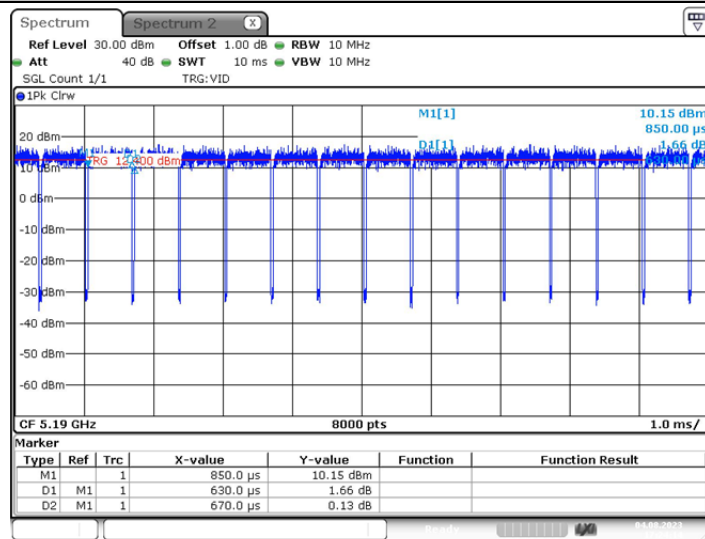
802.11ac(VHT20)_5785



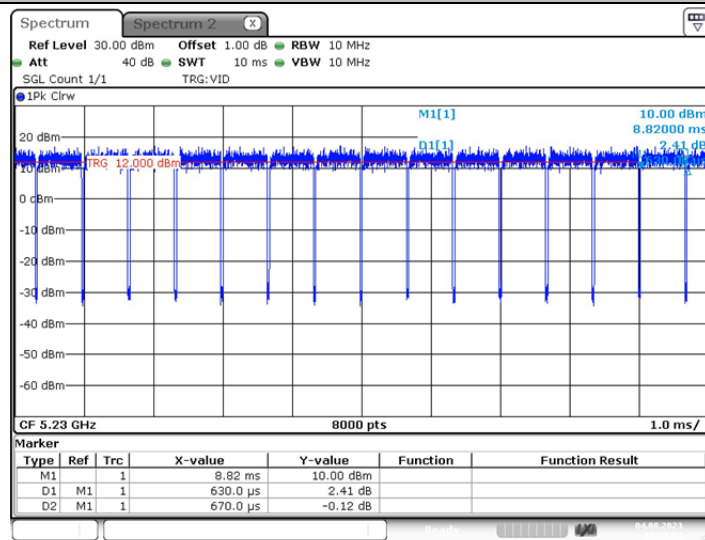
802.11ac(VHT20)_5825



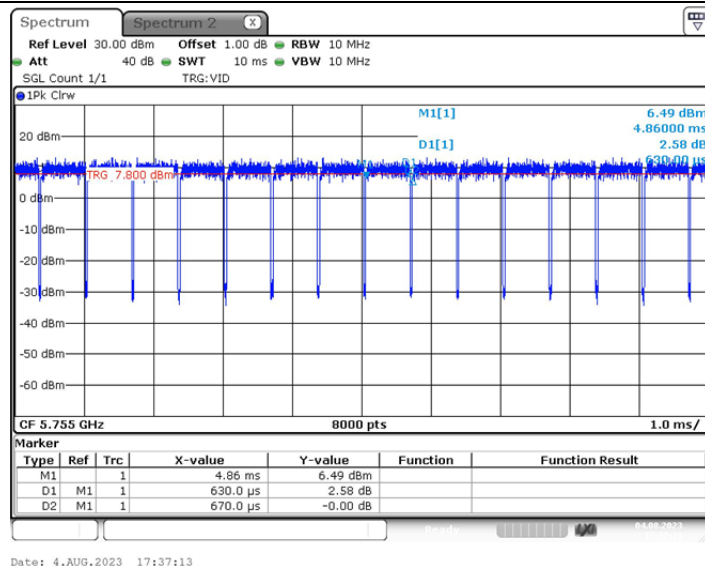
802.11ac(VHT40)_5190



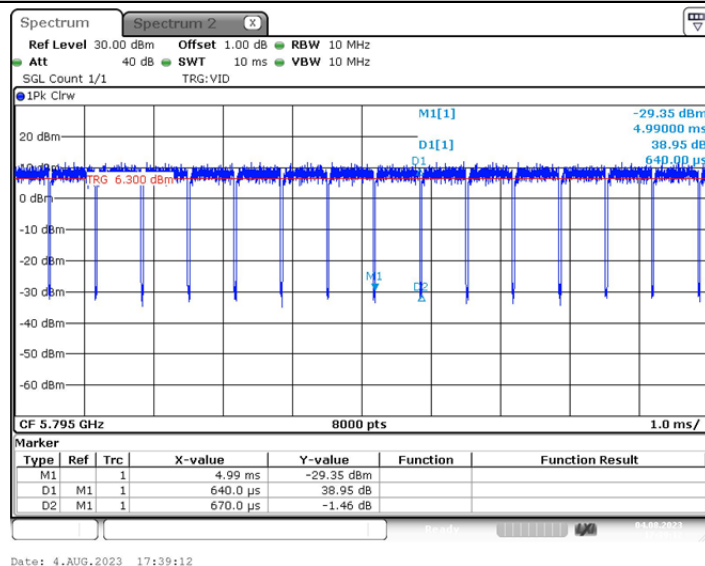
802.11ac(VHT40)_5230



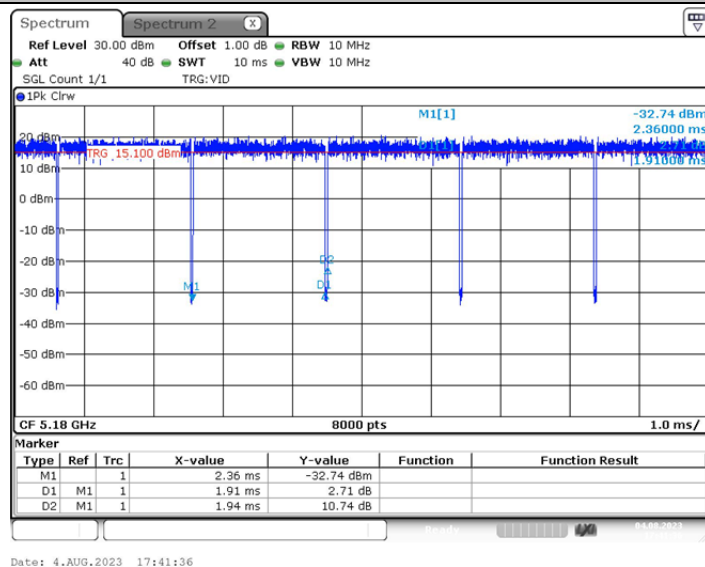
802.11ac(VHT40)_5755



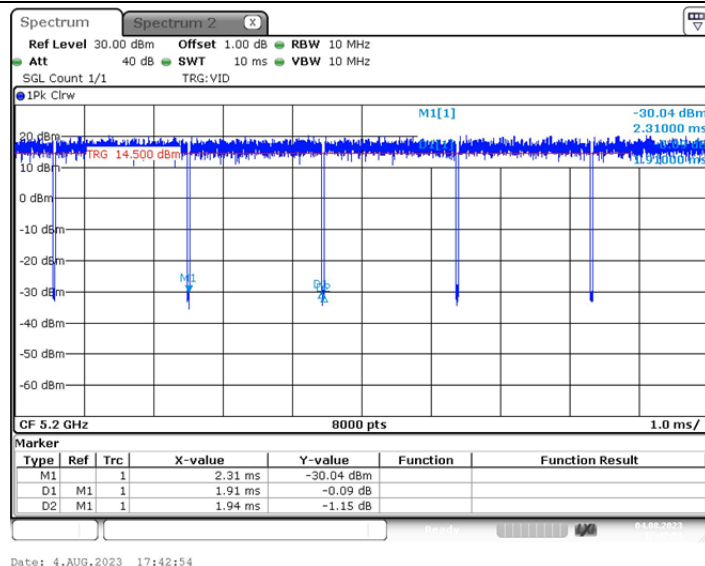
802.11ac(VHT40)_5795



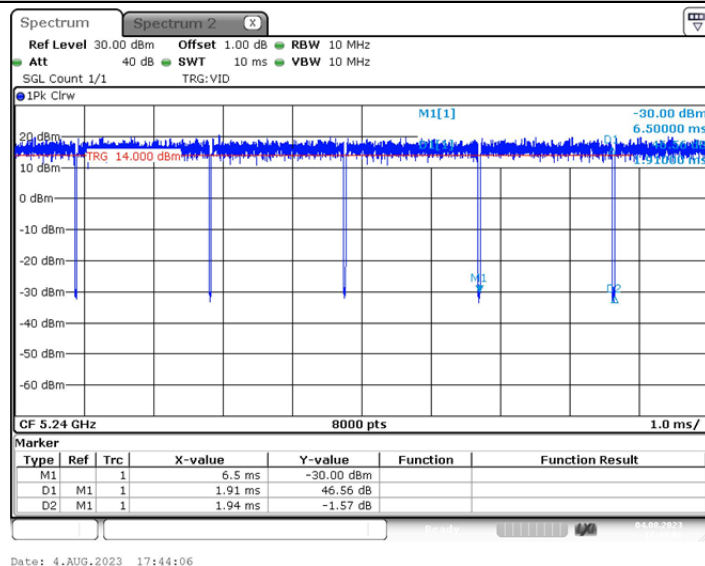
802.11ax(HE20)_5180



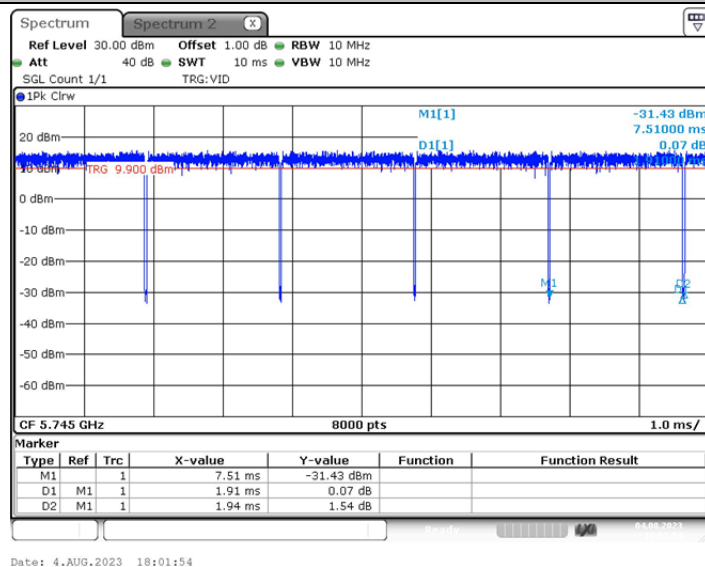
802.11ax(HE20)_5200



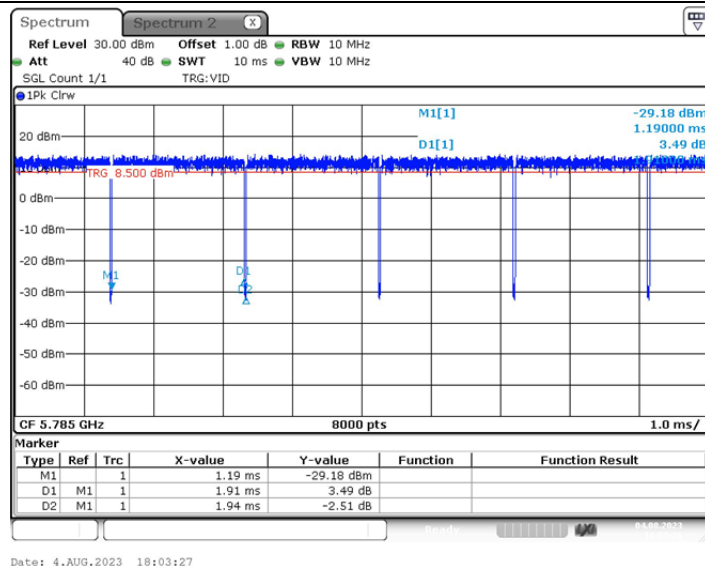
802.11ax(HE20)_5240



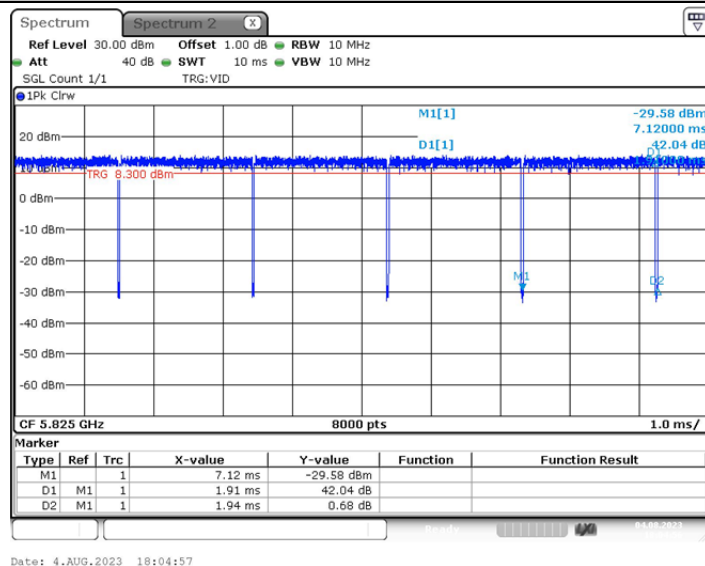
802.11ax(HE20)_5745



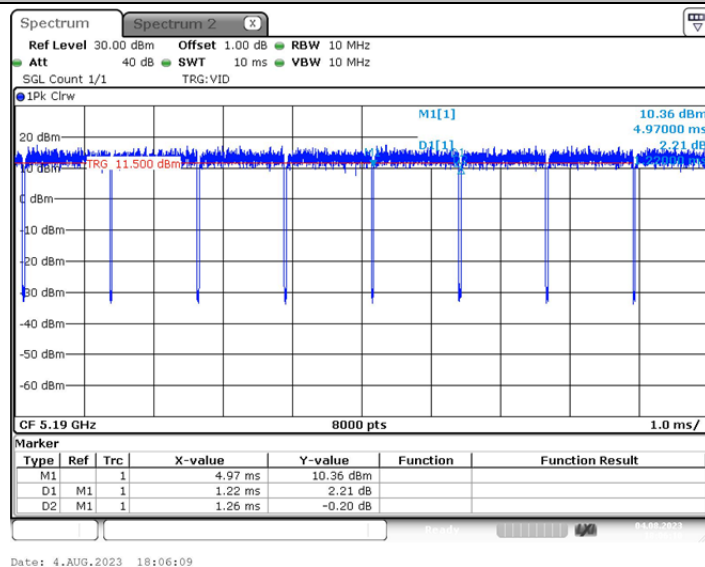
802.11ax(HE20)_5785



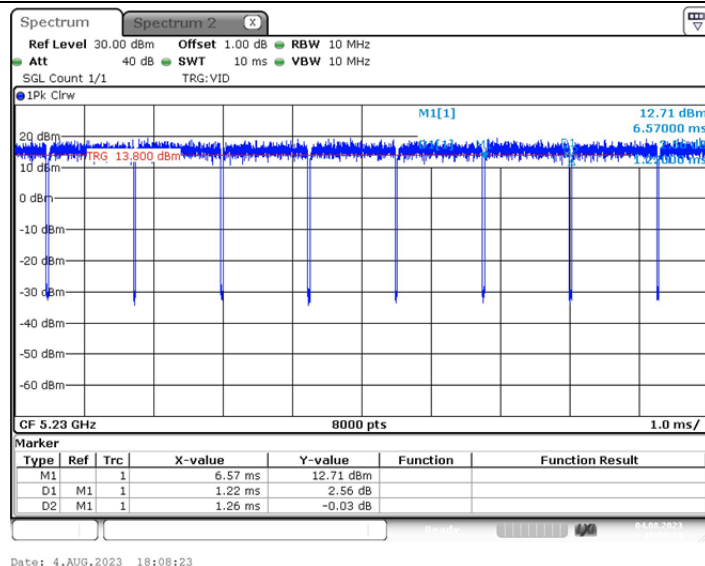
802.11ax(HE20)_5825



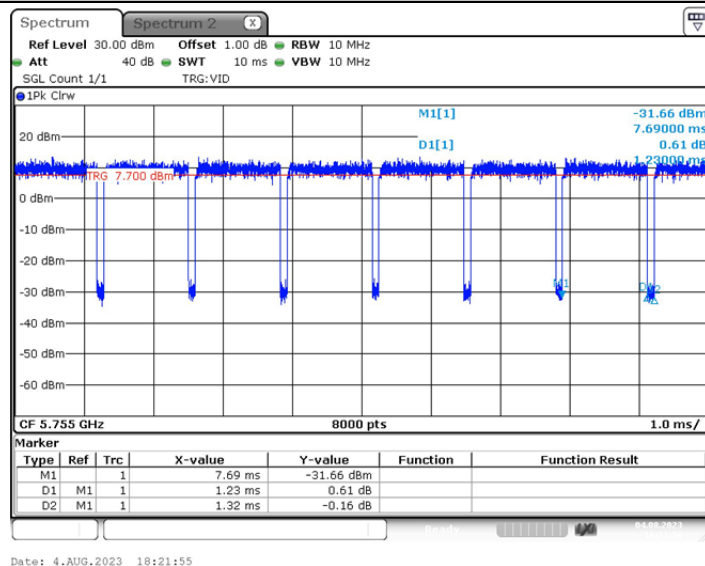
802.11ax(HE40)_5190



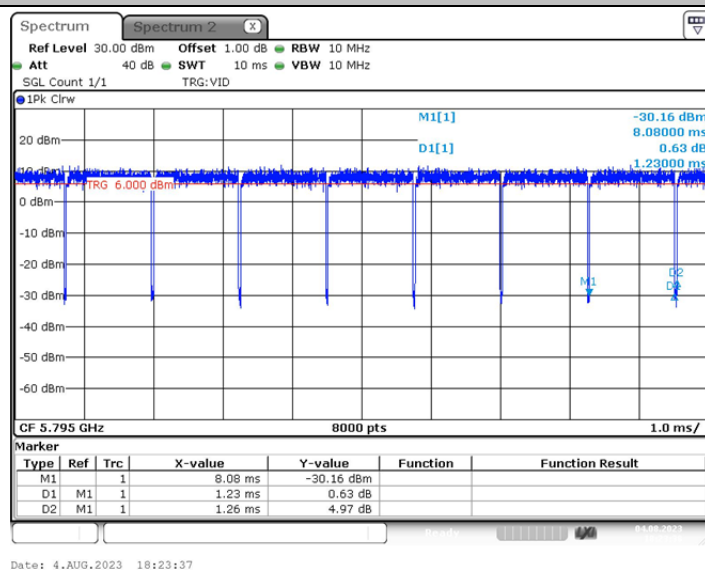
802.11ax(HE40)_5230



802.11ax(HE40)_5755



802.11ax(HE40)_5795



-----End-----