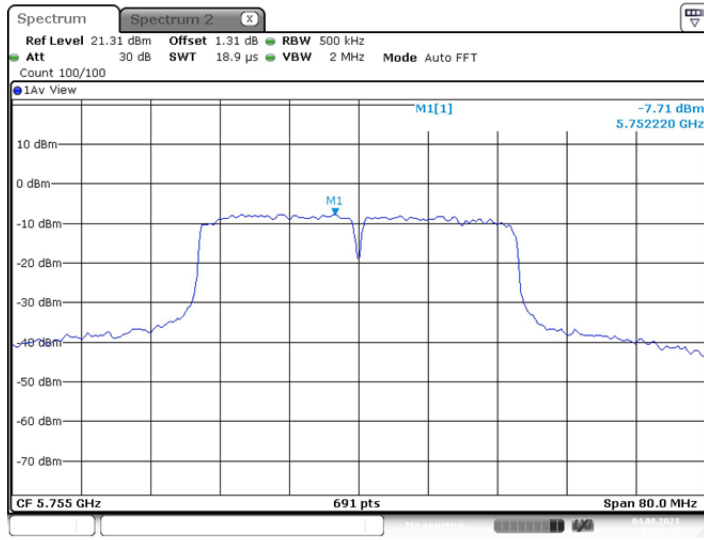


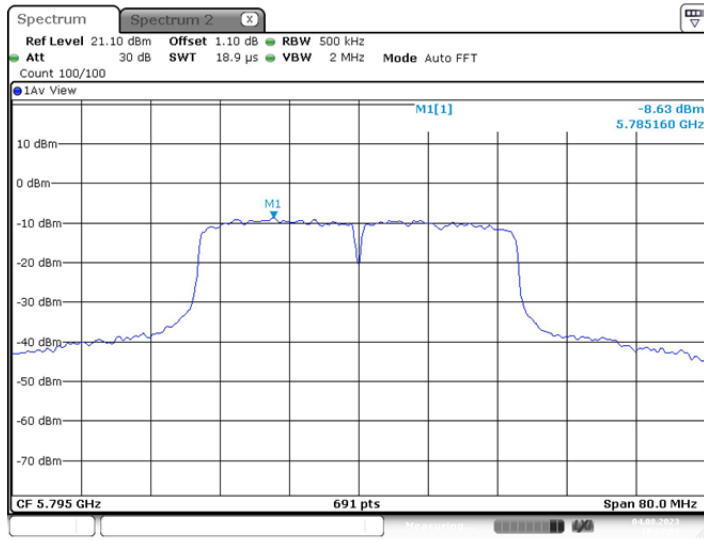
Date: 4.AUG.2023 18:08:45

802.11ax(HE40)\_5755



Date: 4.AUG.2023 18:22:17

802.11ax(HE40)\_5795



Date: 4.AUG.2023 18:23:59

## 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
		NV	40	-69900	-12.062123	20	PASS

## Appendix E: Duty Cycle

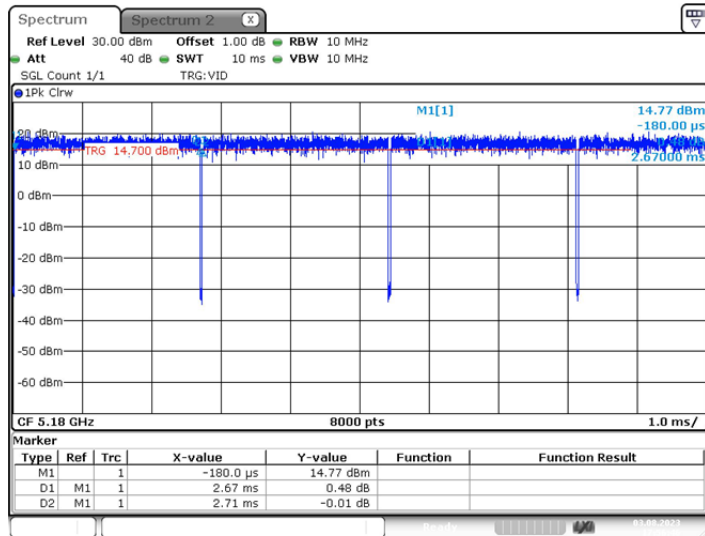
### Test Result

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

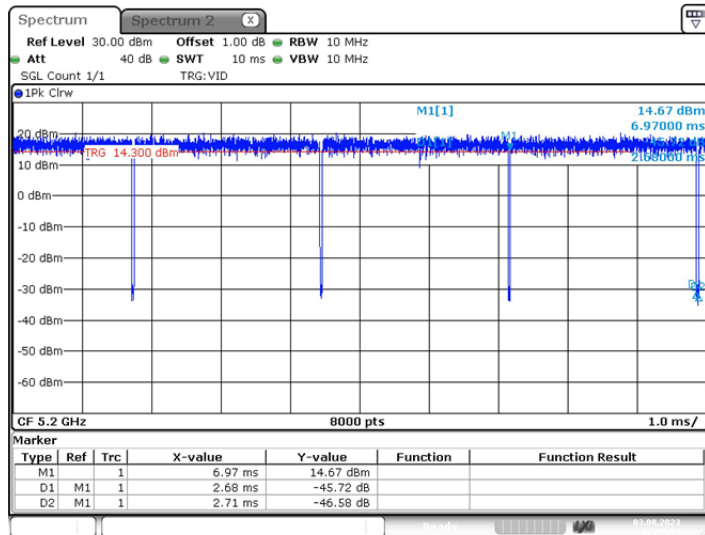
# Test Graphs

## 802.11a\_5180



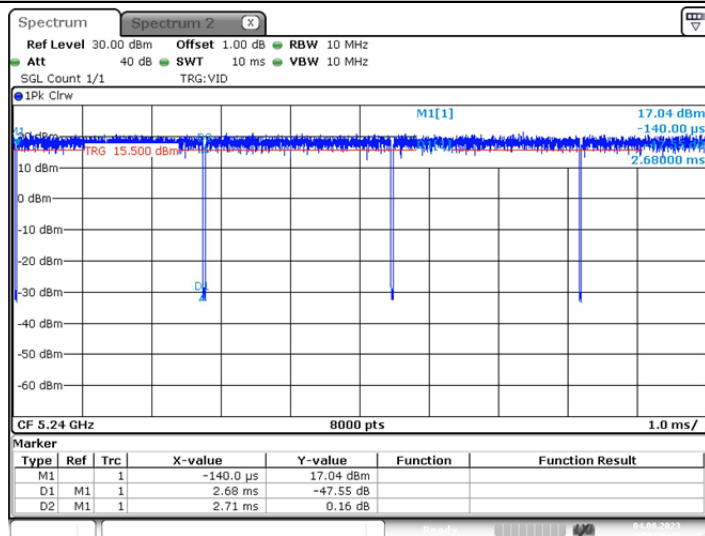
Date: 3.AUG.2023 17:56:45

## 802.11a\_5200



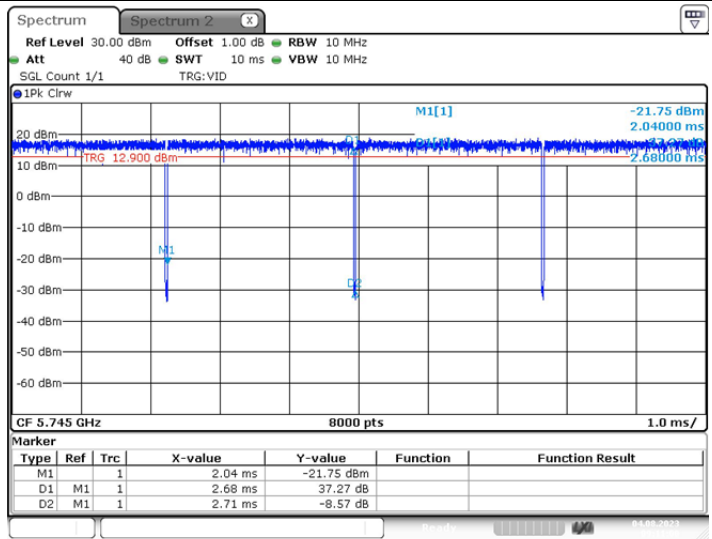
Date: 3.AUG.2023 17:57:55

## 802.11a\_5240



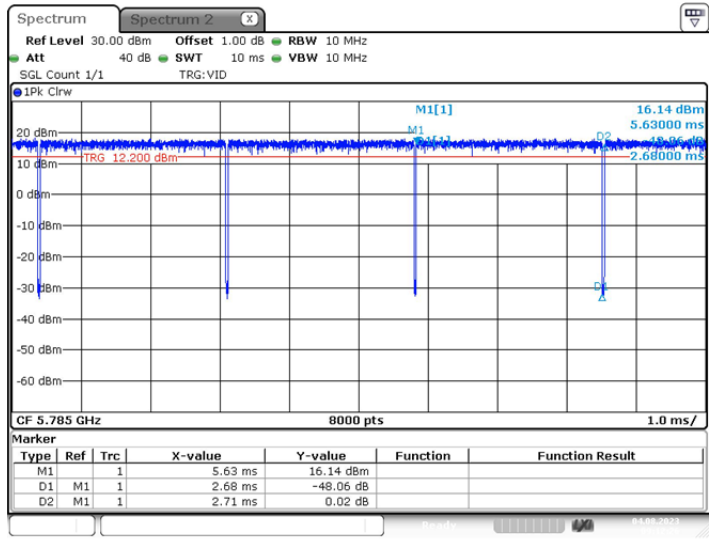
Date: 4.AUG.2023 09:36:45

## 802.11a\_5745



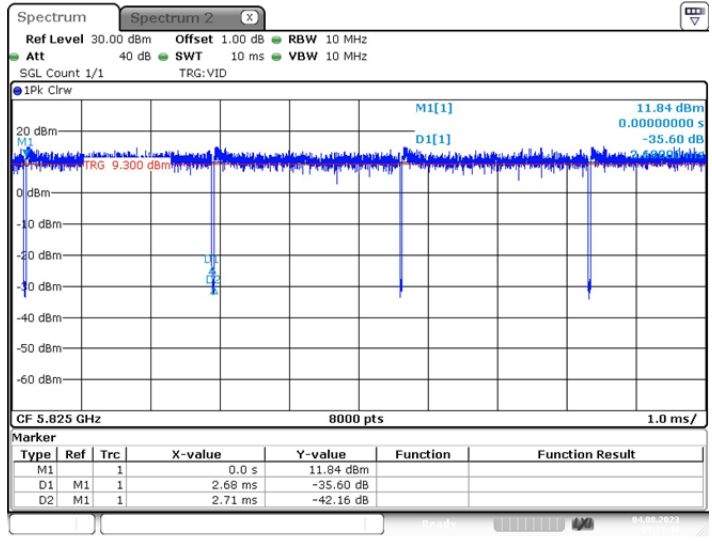
Date: 4.AUG.2023 09:10:59

802.11a\_5785



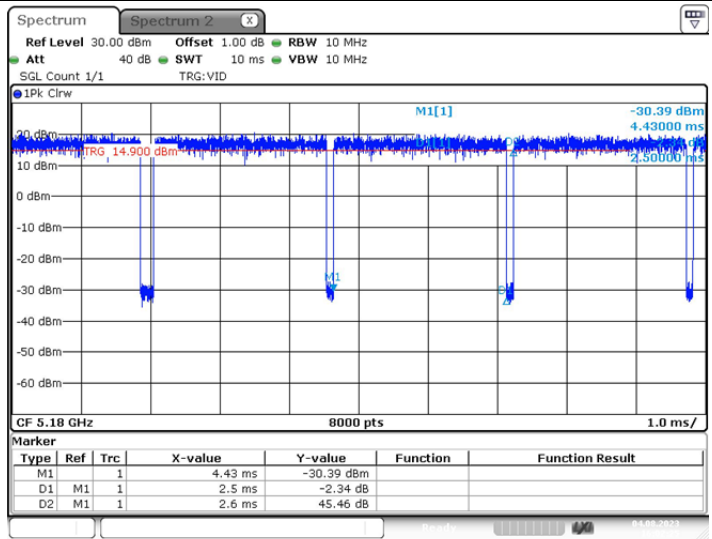
Date: 4.AUG.2023 09:12:25

802.11a\_5825



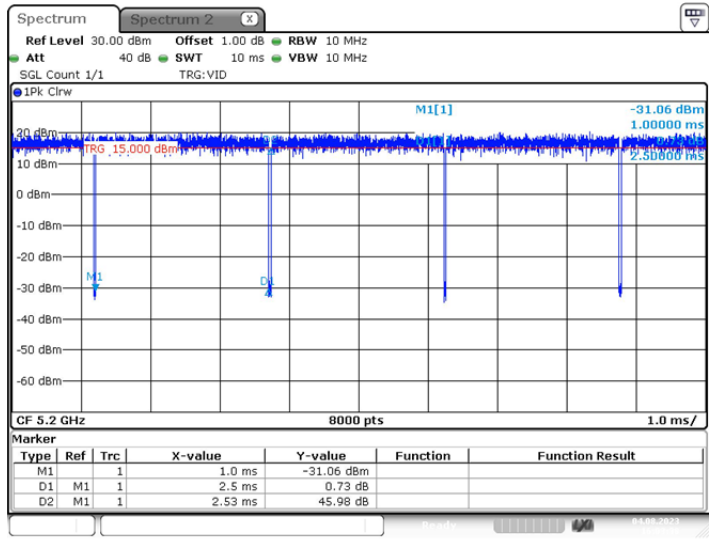
Date: 4.AUG.2023 09:13:48

802.11n(HT20)\_5180



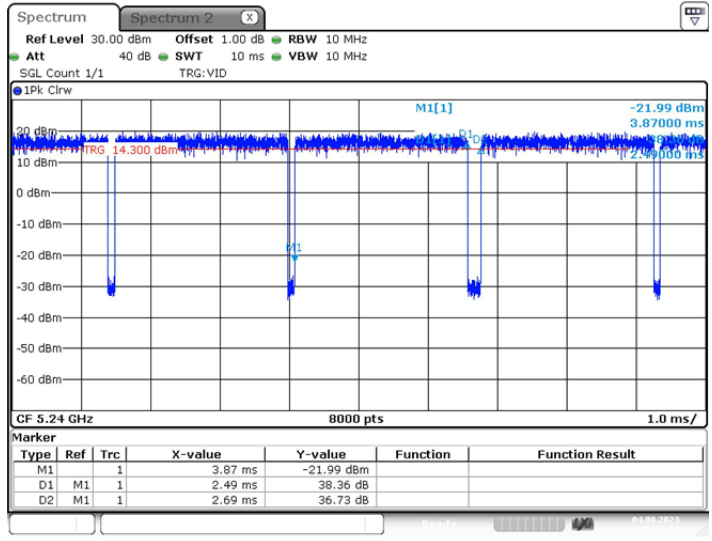
Date: 4.AUG.2023 16:02:25

### 802.11n(HT20)\_5200



Date: 4.AUG.2023 16:03:37

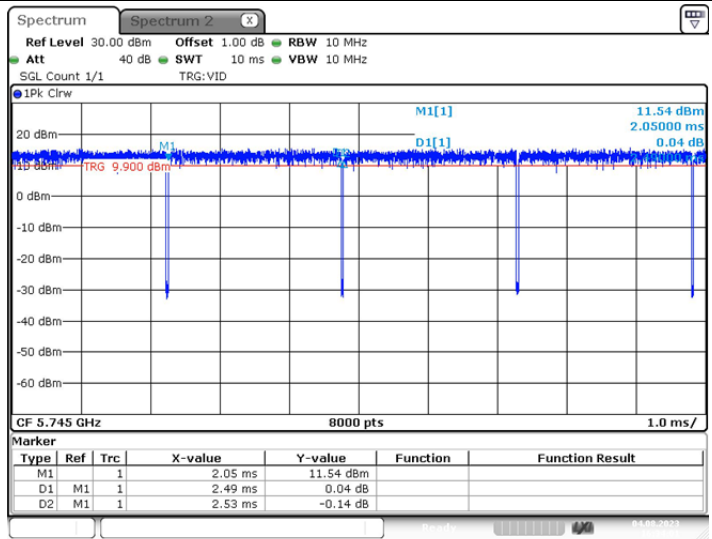
### 802.11n(HT20)\_5240



Date: 4.AUG.2023 16:05:34

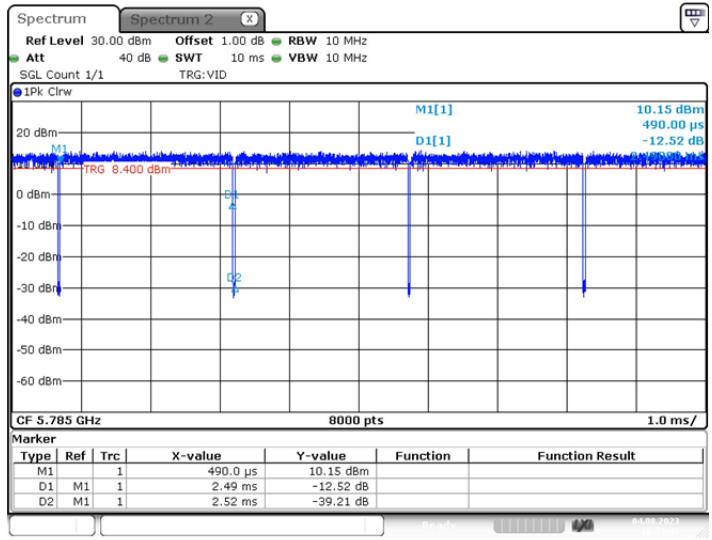
### 802.11n(HT20)\_5745





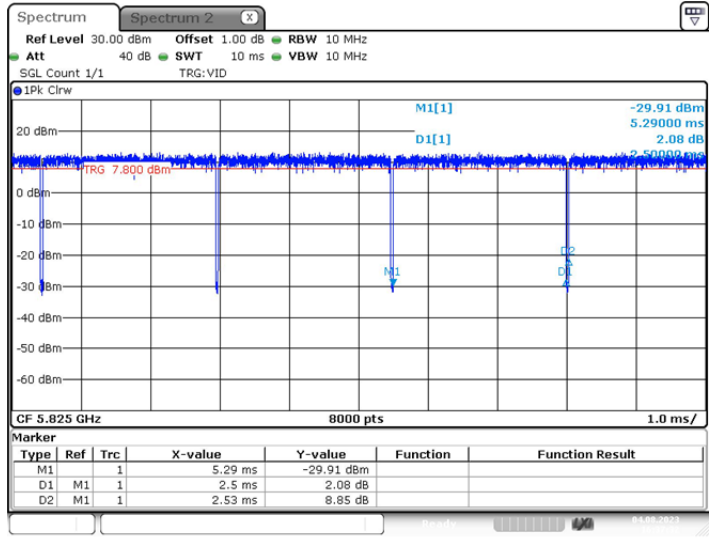
Date: 4.AUG.2023 16:34:00

802.11n(HT20)\_5785



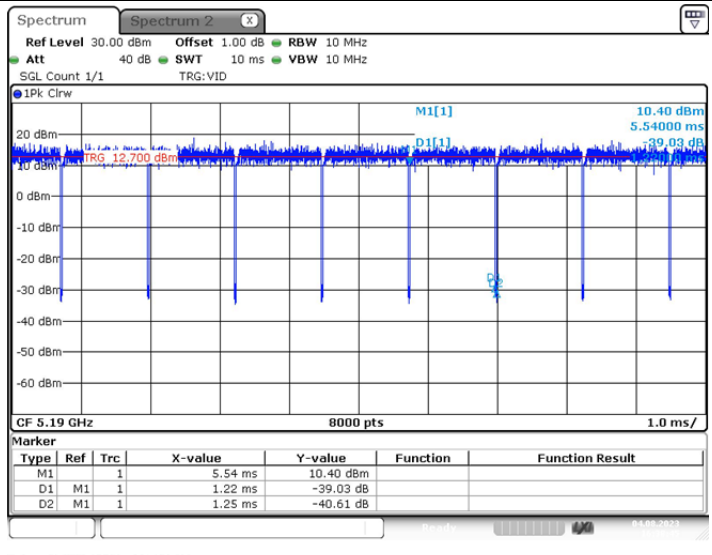
Date: 4.AUG.2023 16:35:43

802.11n(HT20)\_5825



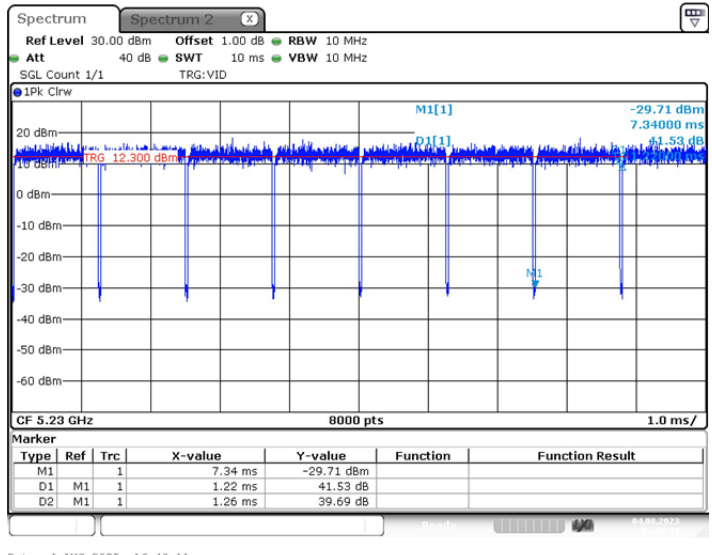
Date: 4.AUG.2023 16:37:32

802.11n(HT40)\_5190



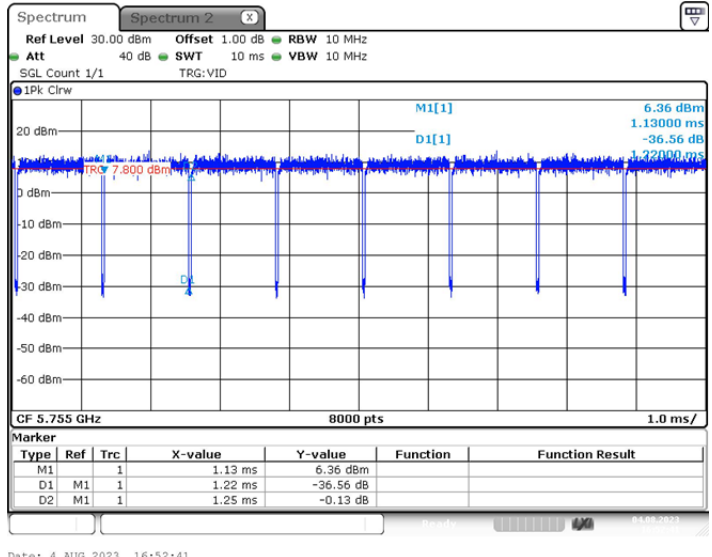
Date: 4.AUG.2023 16:38:45

802.11n(HT40)\_5230



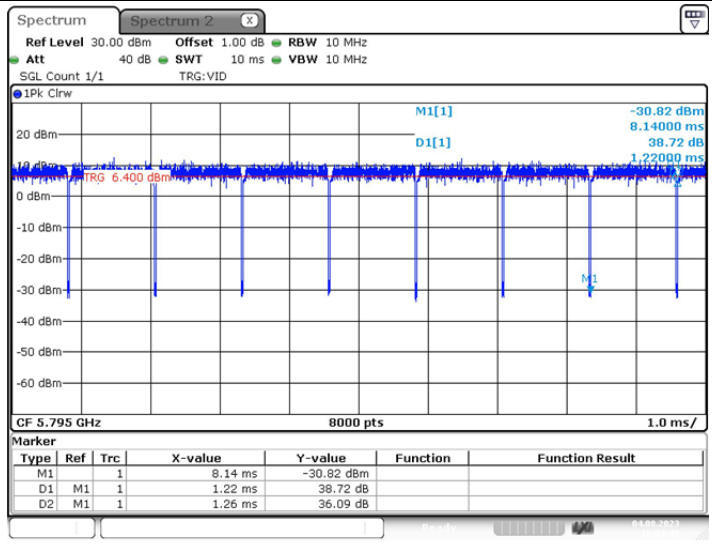
Date: 4.AUG.2023 16:40:11

802.11n(HT40)\_5755

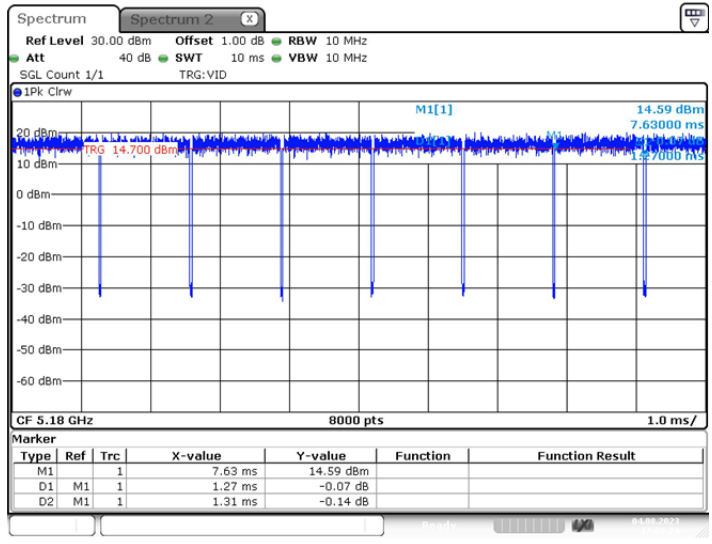


Date: 4.AUG.2023 16:52:41

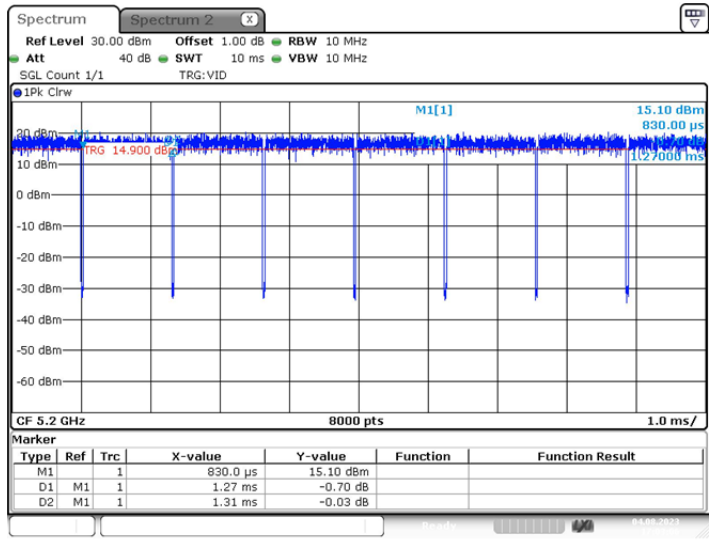
802.11n(HT40)\_5795



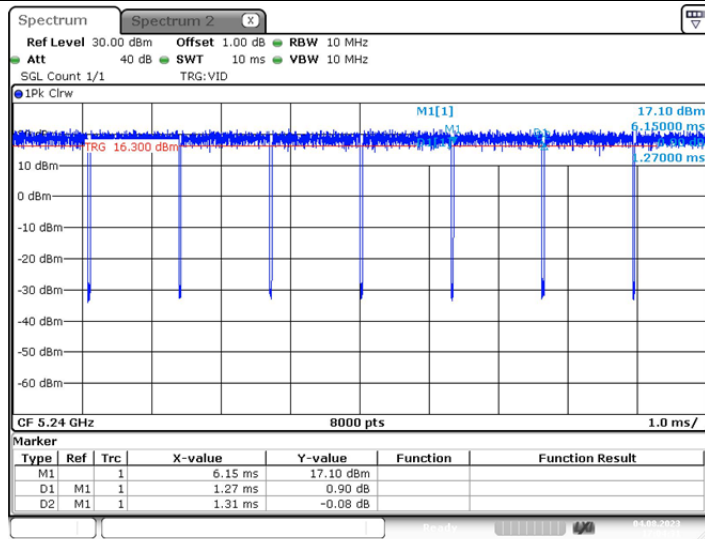
802.11ac(VHT20)\_5180



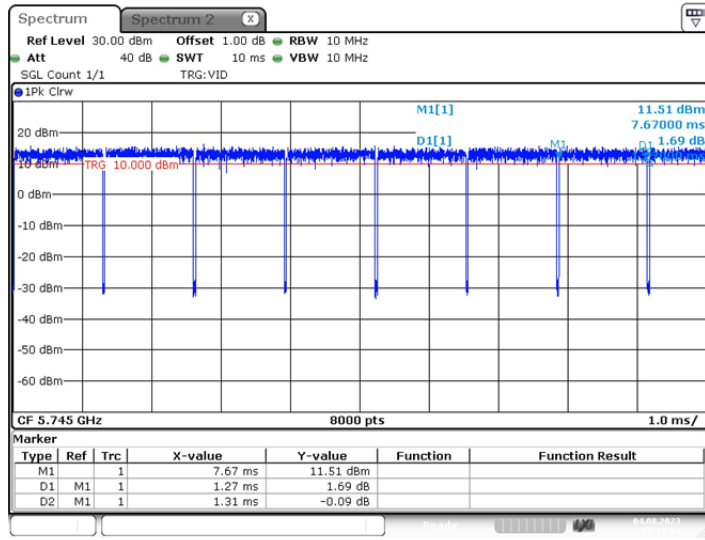
802.11ac(VHT20)\_5200



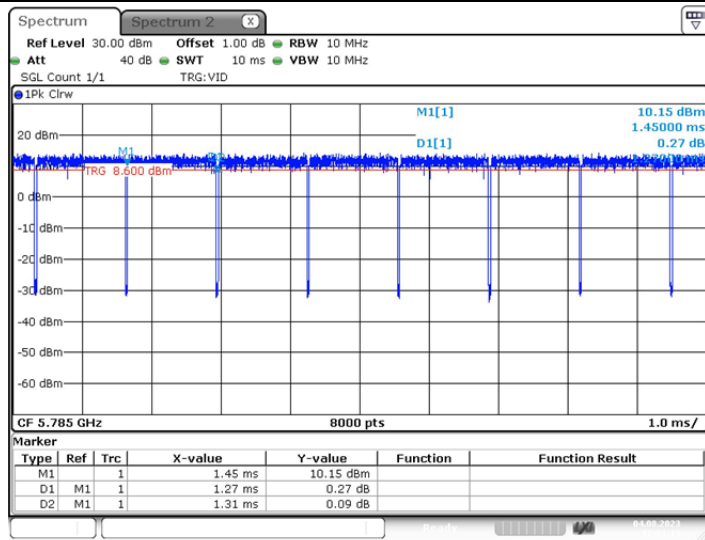
802.11ac(VHT20)\_5240



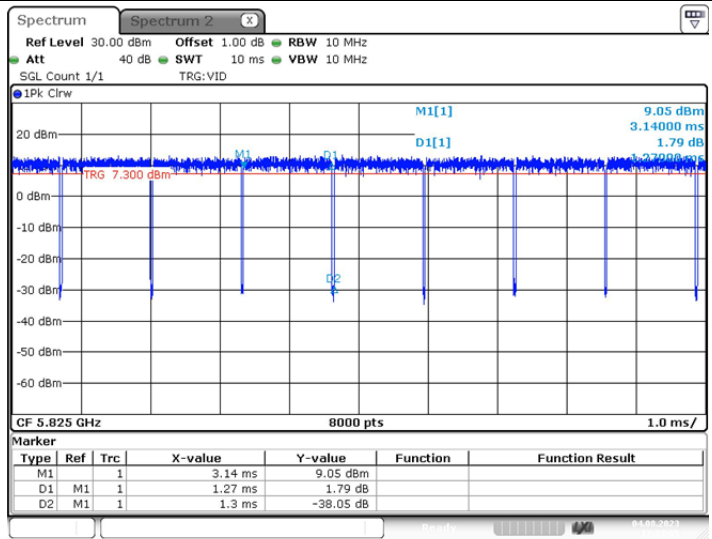
802.11ac(VHT20)\_5745



802.11ac(VHT20)\_5785

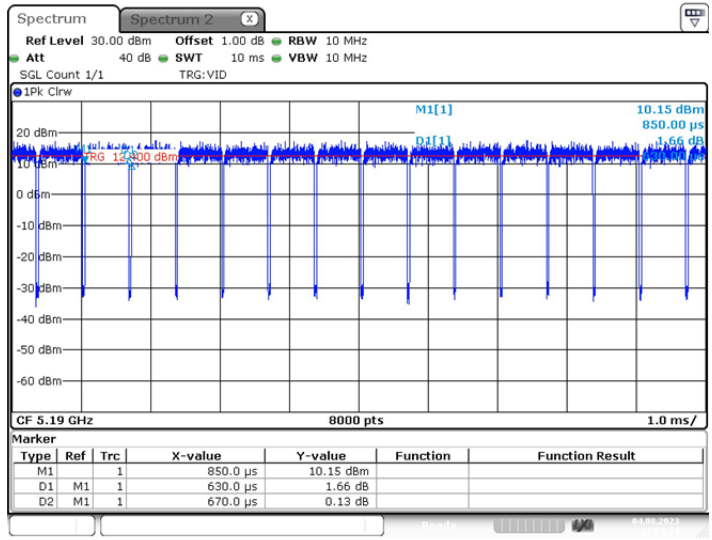


802.11ac(VHT20)\_5825



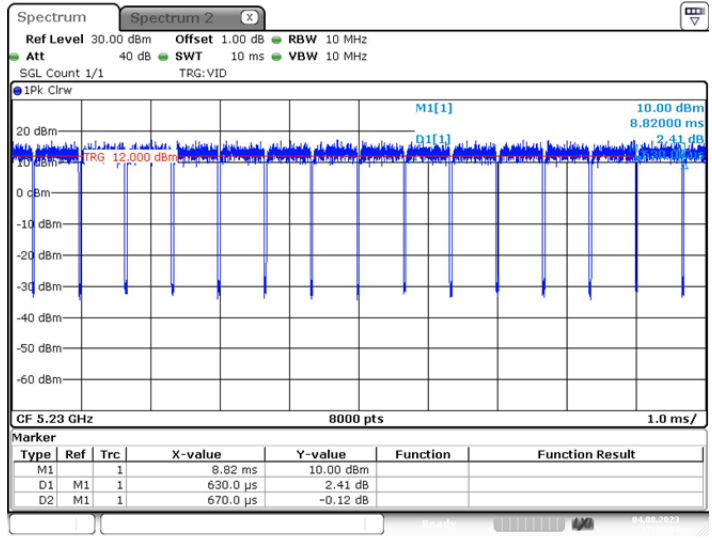
Date: 4.AUG.2023 17:23:04

802.11ac(VHT40)\_5190



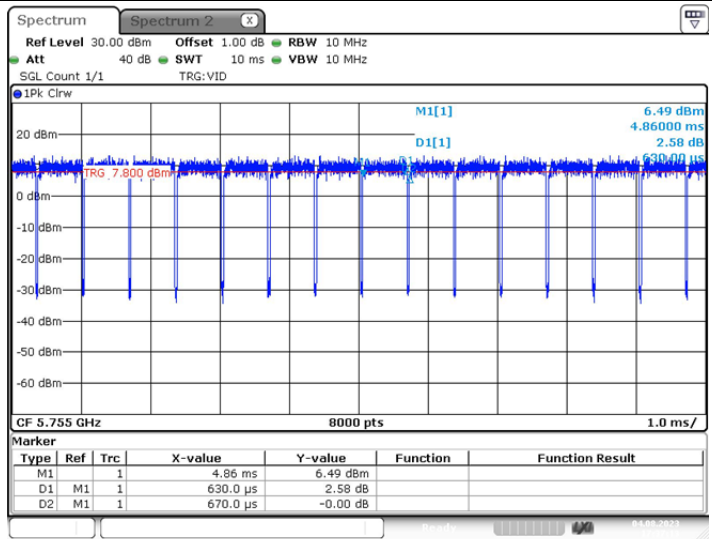
Date: 4.AUG.2023 17:24:14

802.11ac(VHT40)\_5230



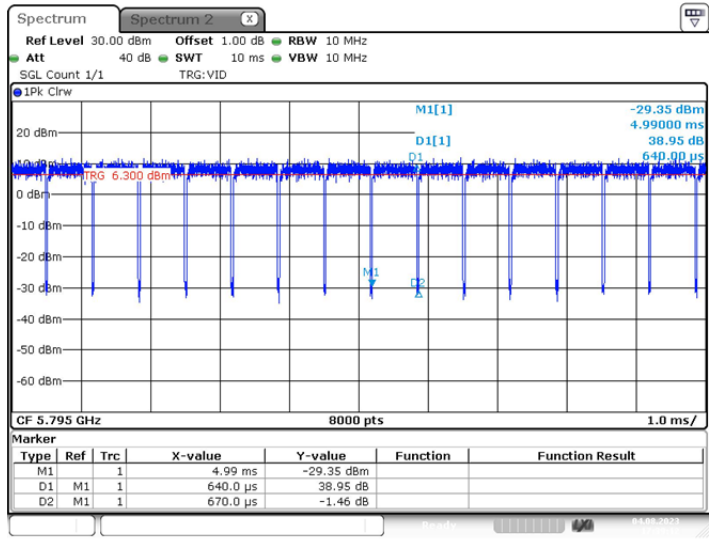
Date: 4.AUG.2023 17:25:54

802.11ac(VHT40)\_5755



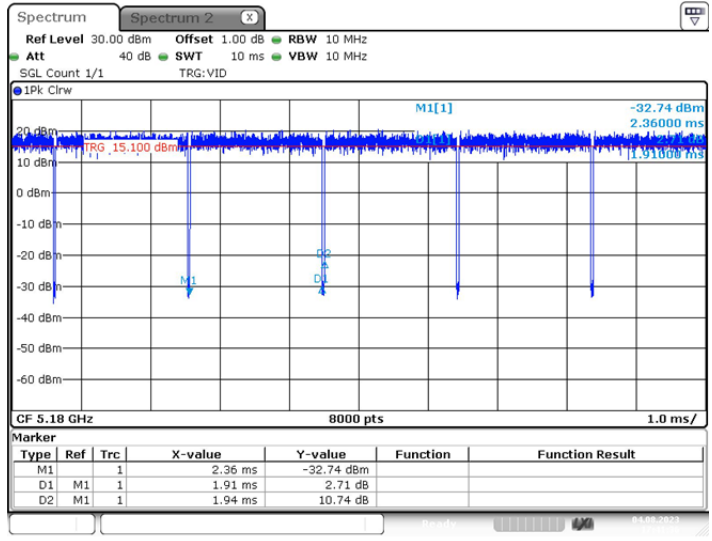
Date: 4.AUG.2023 17:37:13

### 802.11ac(VHT40)\_5795



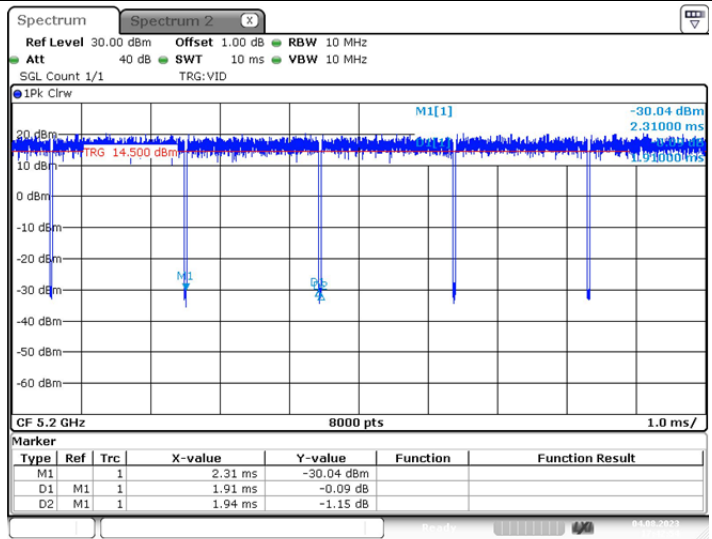
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### 802.11ax(HE20)\_5180



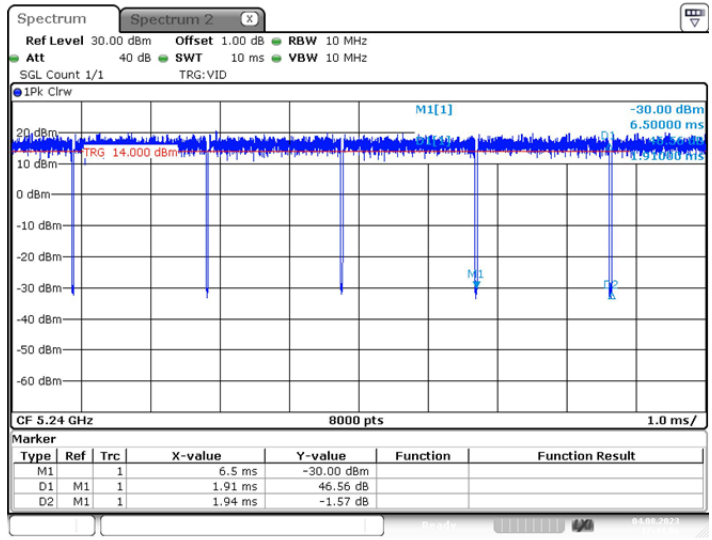
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### 802.11ax(HE20)\_5200



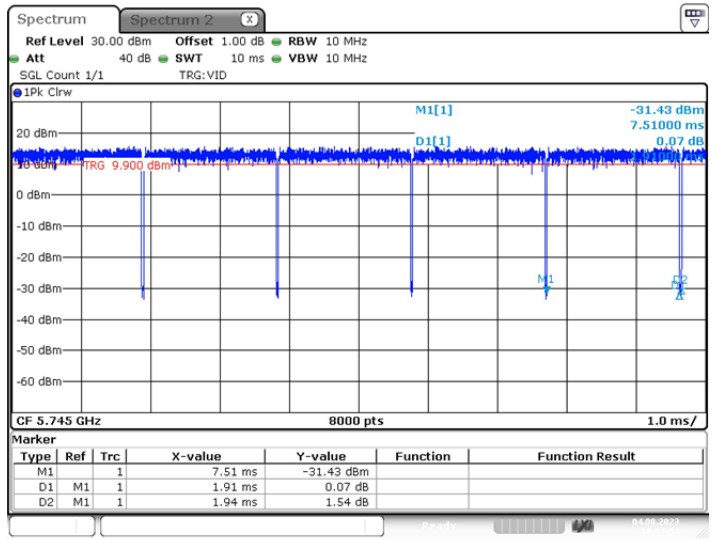
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### 802.11ax(HE20)\_5240



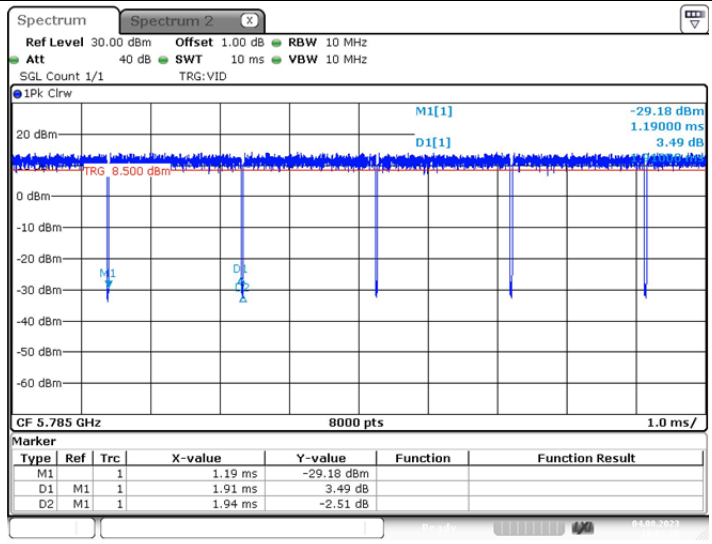
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### 802.11ax(HE20)\_5745



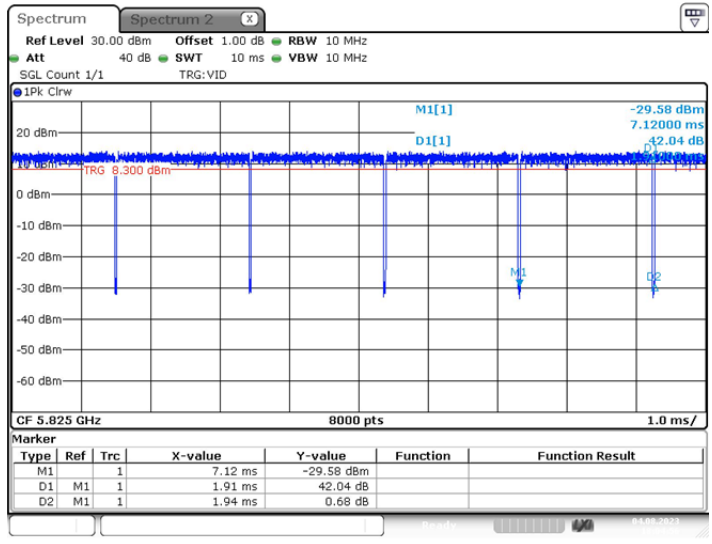
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### 802.11ax(HE20)\_5785



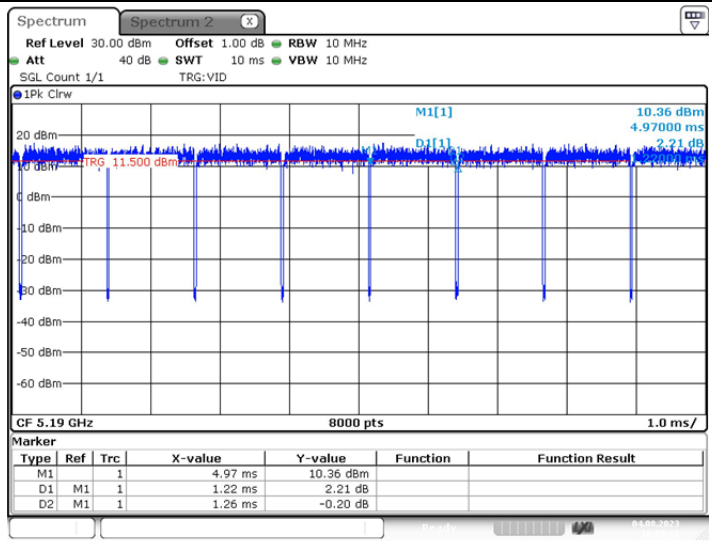
Date: 4.AUG.2023 18:03:27

### 802.11ax(HE20)\_5825



Date: 4.AUG.2023 18:04:57

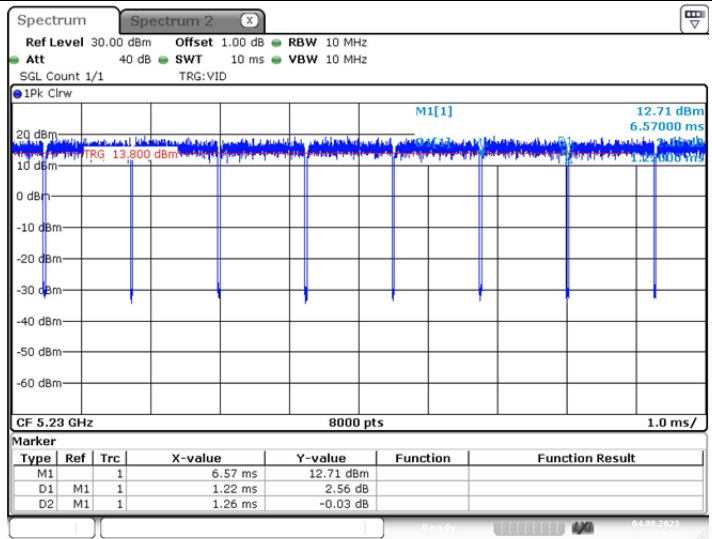
### 802.11ax(HE40)\_5190



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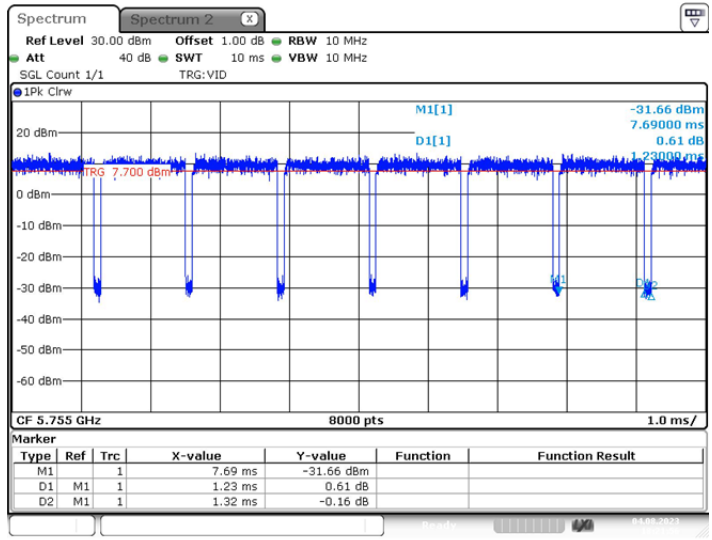
### 802.11ax(HE40)\_5230





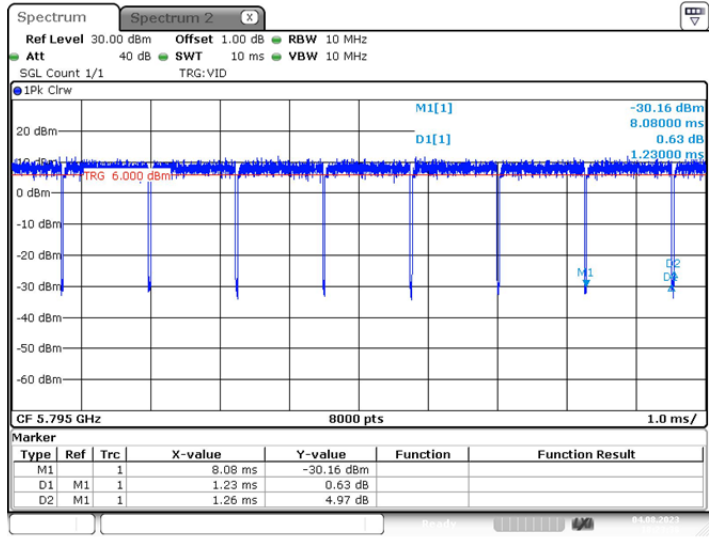
Date: 4.AUG.2023 18:08:23

802.11ax(HE40)\_5755



Date: 4.AUG.2023 18:21:55

802.11ax(HE40)\_5795



Date: 4.AUG.2023 18:23:37

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