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Appendix for 5GHz WIFI

Applicant: Clear Touch Solutions, Inc.

**Address: 1100 Thousand Oaks Blvd. Greenville, SC 29607, United
States**

Product Name: CM100 Microphone Kit

Model: CTS-CM100-245G

FCC ID: 2A2C7-MC07A

IC: 27313-MC07A

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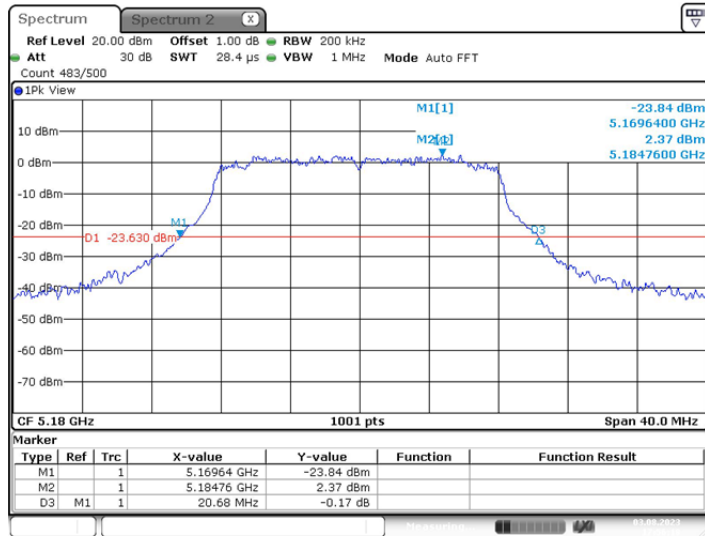
Appendix A1: Emission Bandwidth

Test Result

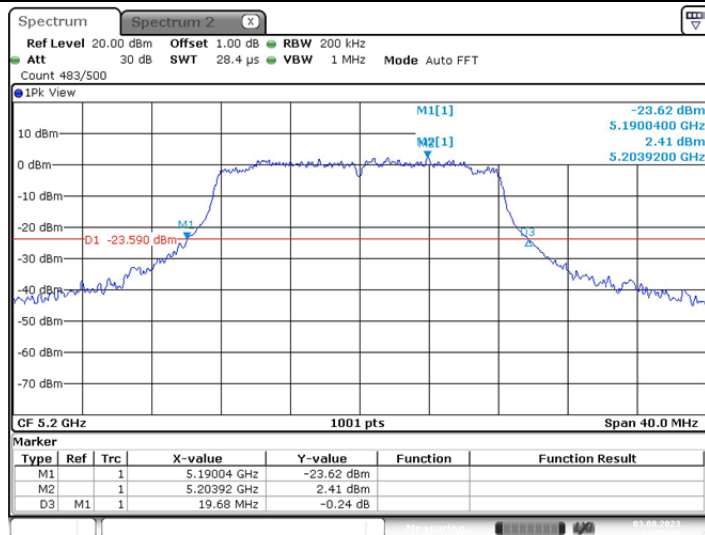
Test Mode	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Verdict
802.11a	5180	20.68	5169.64	5190.32	PASS
	5200	19.68	5190.04	5209.72	PASS
	5240	21.36	5229.24	5250.60	PASS
	5745	27.88	5730.44	5758.32	PASS
	5785	23.56	5773.28	5796.84	PASS
	5825	24.40	5813.00	5837.40	PASS
802.11n(HT20)	5180	20.44	5169.76	5190.20	PASS
	5200	20.08	5189.88	5209.96	PASS
	5240	20.76	5229.60	5250.36	PASS
	5745	21.96	5733.80	5755.76	PASS
	5785	24.52	5773.00	5797.52	PASS
	5825	24.00	5812.96	5836.96	PASS
802.11n(HT40)	5190	41.60	5168.96	5210.56	PASS
	5230	42.08	5208.88	5250.96	PASS
	5755	44.64	5733.80	5778.44	PASS
	5795	43.04	5773.32	5816.36	PASS
802.11ac(VHT20)	5180	20.36	5169.80	5190.16	PASS
	5200	20.28	5189.76	5210.04	PASS
	5240	20.48	5229.60	5250.08	PASS
	5745	21.88	5733.96	5755.84	PASS
	5785	22.60	5773.44	5796.04	PASS
	5825	24.24	5812.68	5836.92	PASS
802.11ac(VHT40)	5190	41.44	5169.20	5210.64	PASS
	5230	42.48	5208.24	5250.72	PASS
	5755	44.24	5732.52	5776.76	PASS
	5795	45.20	5773.32	5818.52	PASS
802.11ax(HE20)	5180	20.96	5169.48	5190.44	PASS
	5200	20.48	5189.76	5210.24	PASS
	5240	20.76	5229.48	5250.24	PASS
	5745	22.04	5734.16	5756.20	PASS
	5785	23.52	5772.48	5796.00	PASS
	5825	27.16	5811.36	5838.52	PASS
802.11ax(HE40)	5190	42.24	5168.96	5211.20	PASS
	5230	41.76	5209.12	5250.88	PASS
	5755	42.32	5734.12	5776.44	PASS
	5795	43.20	5773.24	5816.44	PASS

Test Graphs

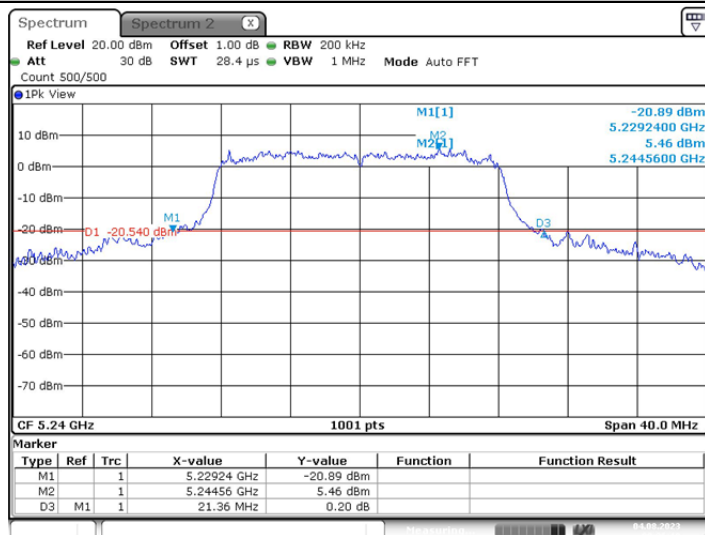
802.11a_5180



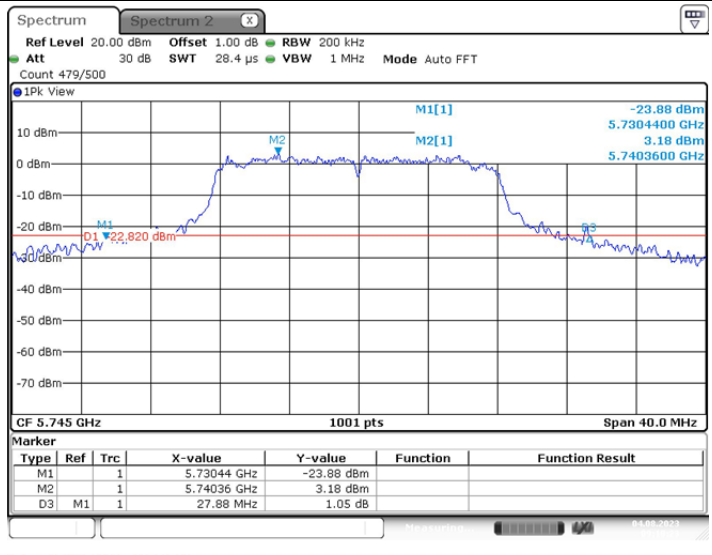
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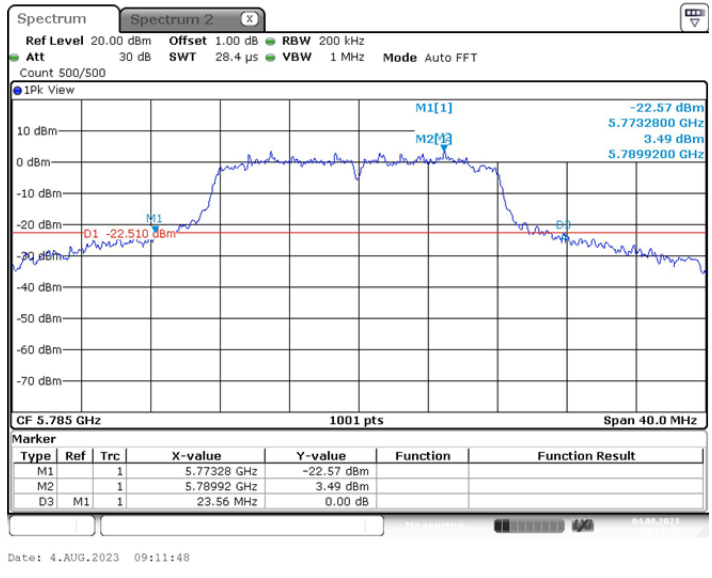
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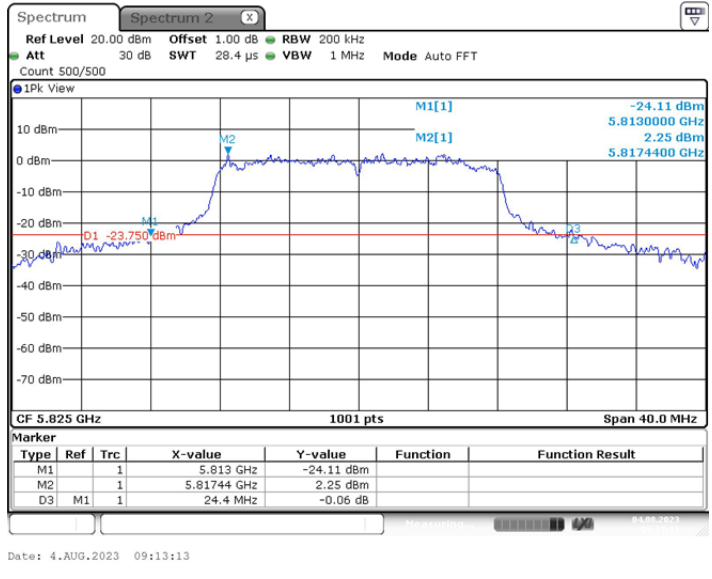
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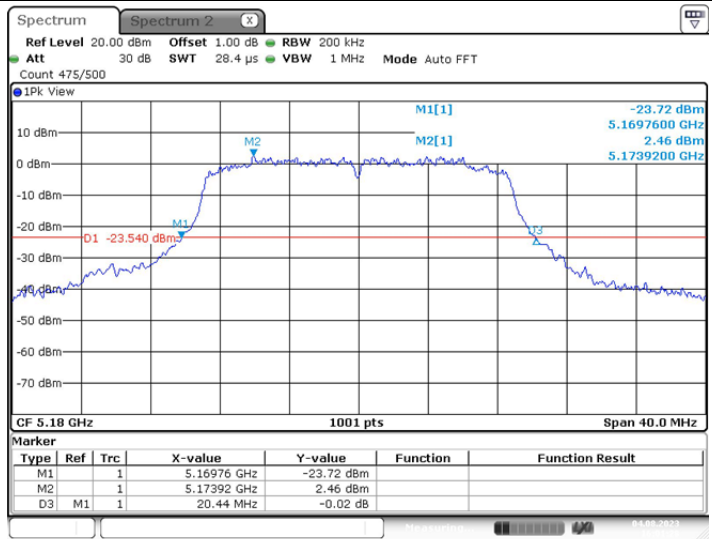
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802.11a_5825

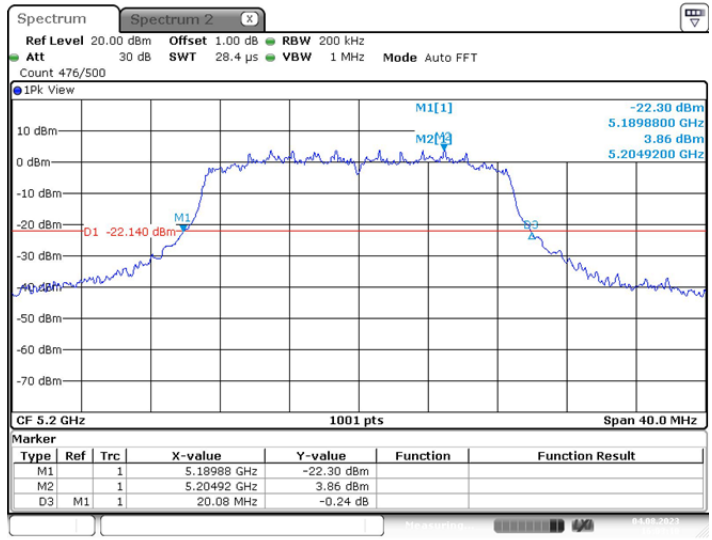


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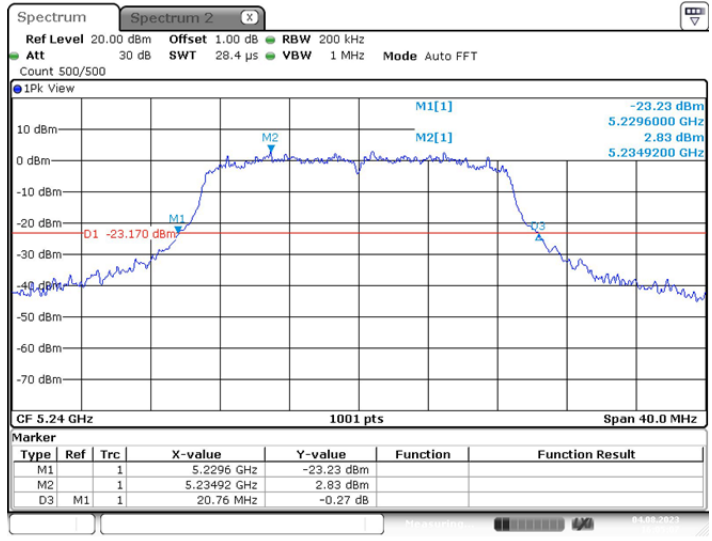
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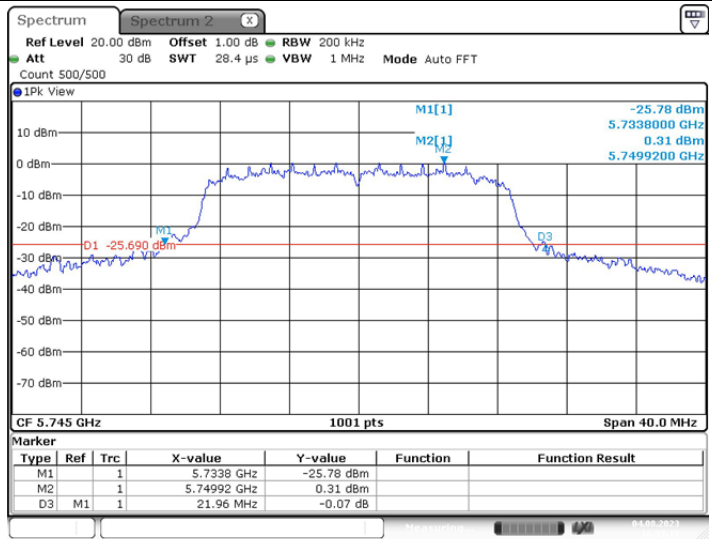
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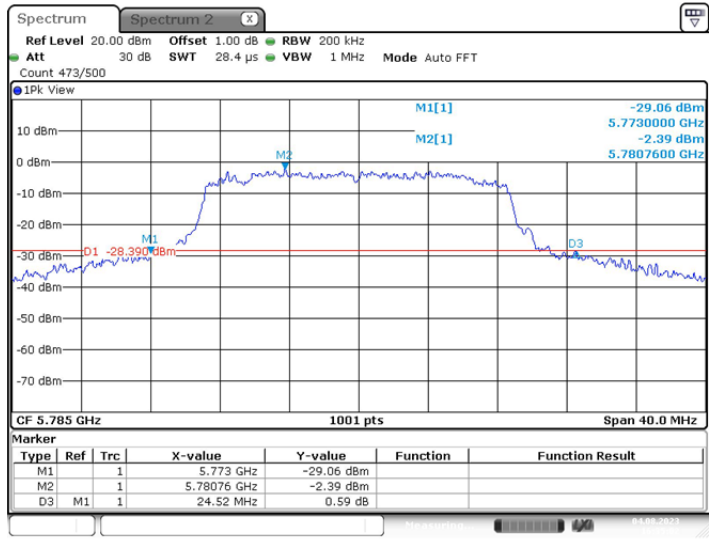
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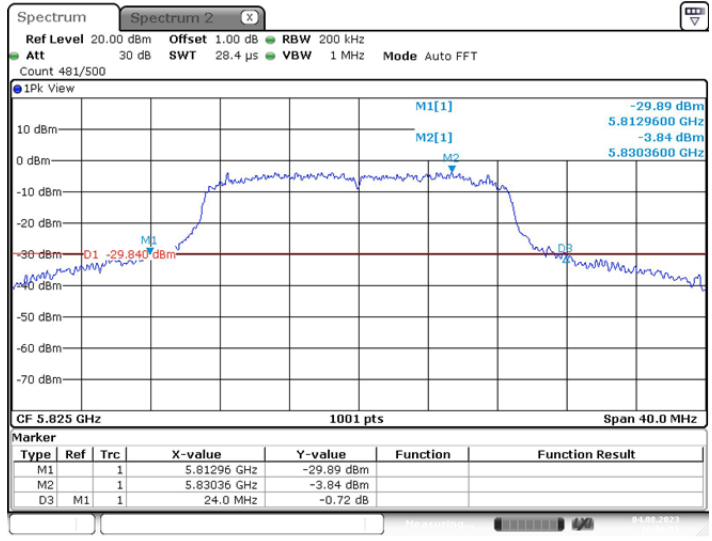
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802.11n(HT20)_5785



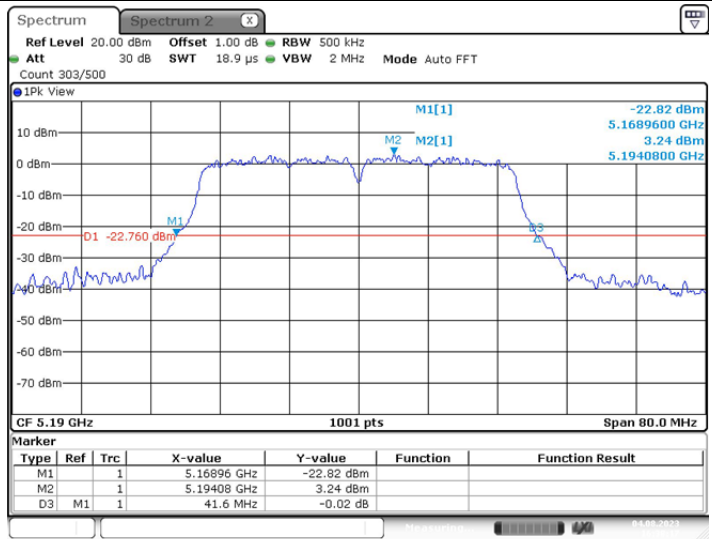
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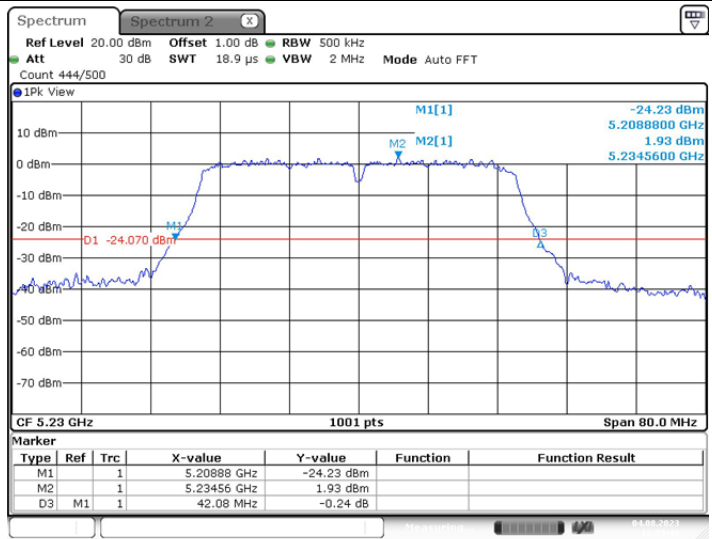


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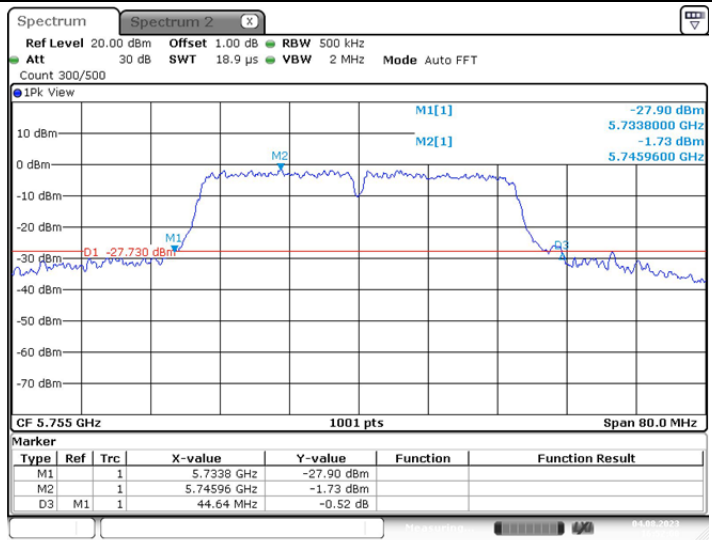
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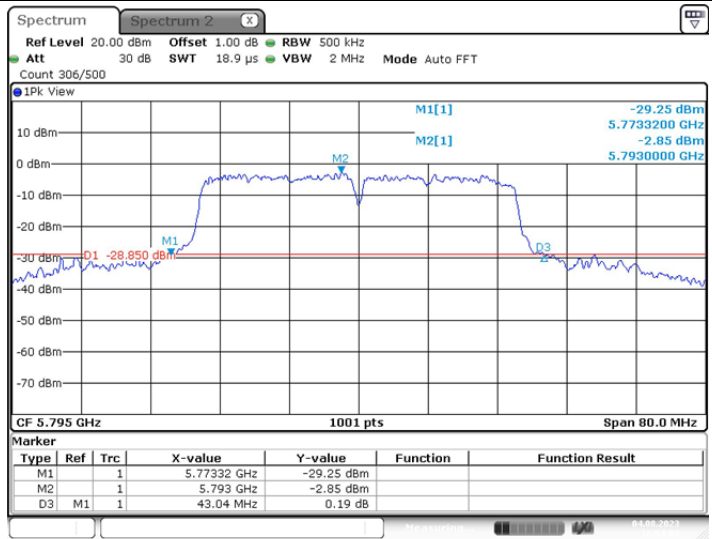
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802.11n(HT40)_5755

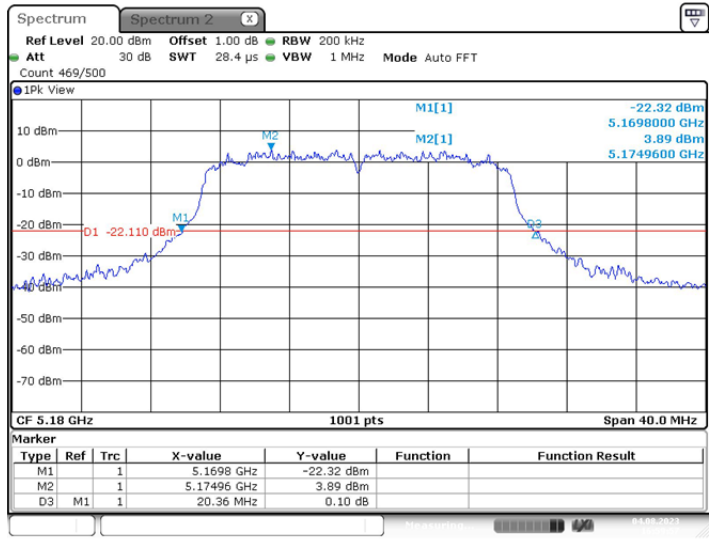


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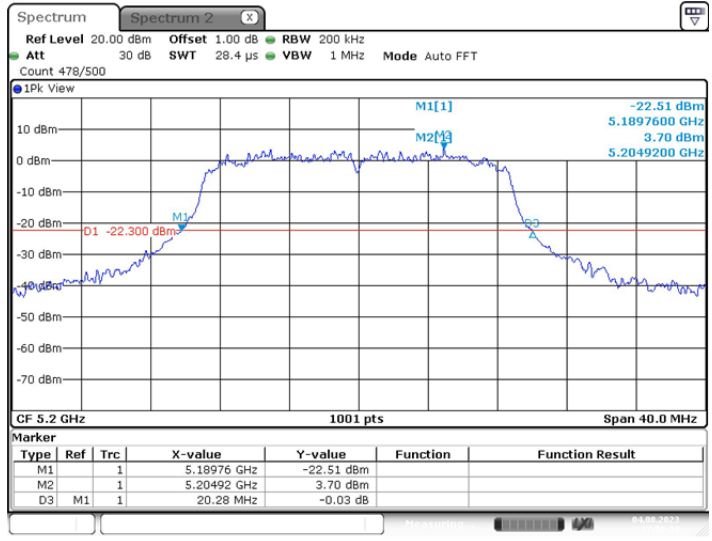
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802.11ac(VHT20)_5180



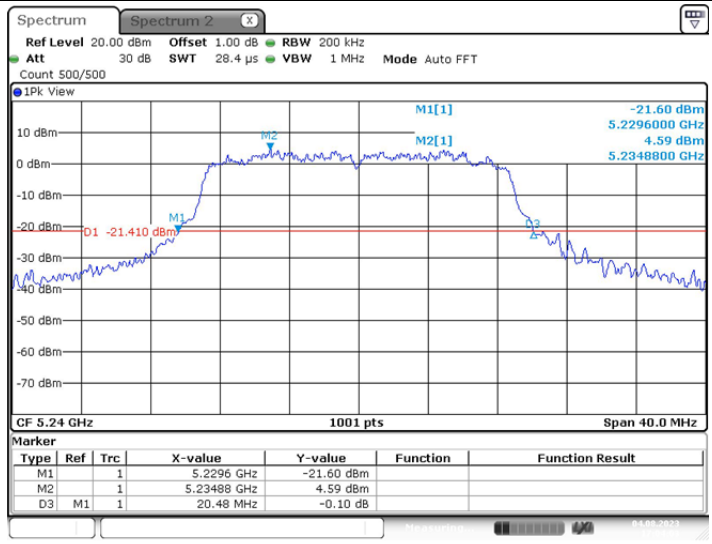
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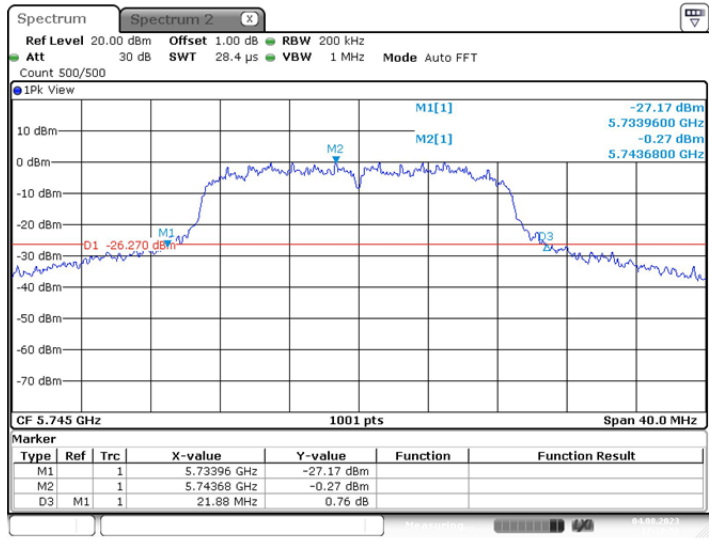
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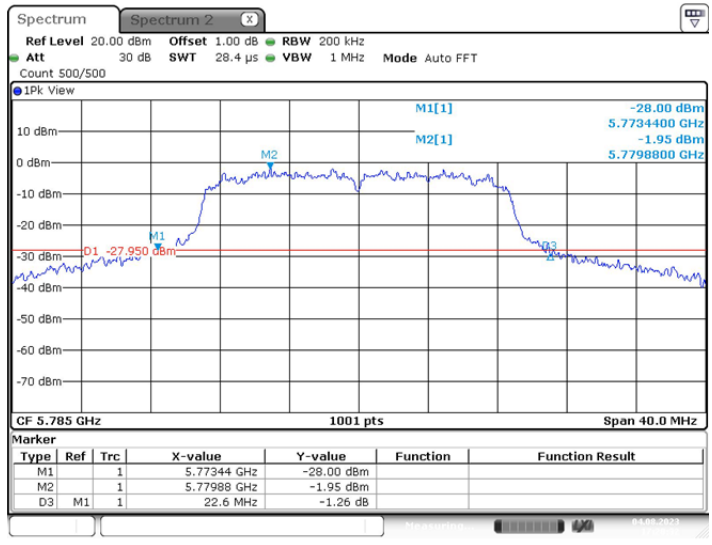
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802.11ac(VHT20)_5745



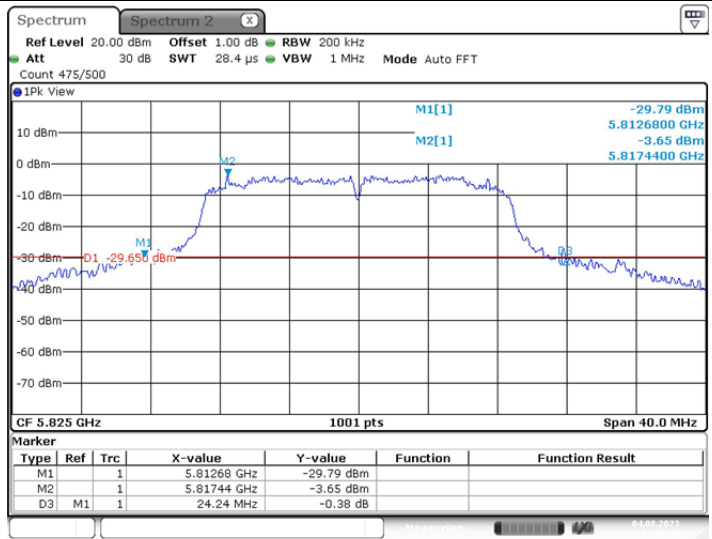
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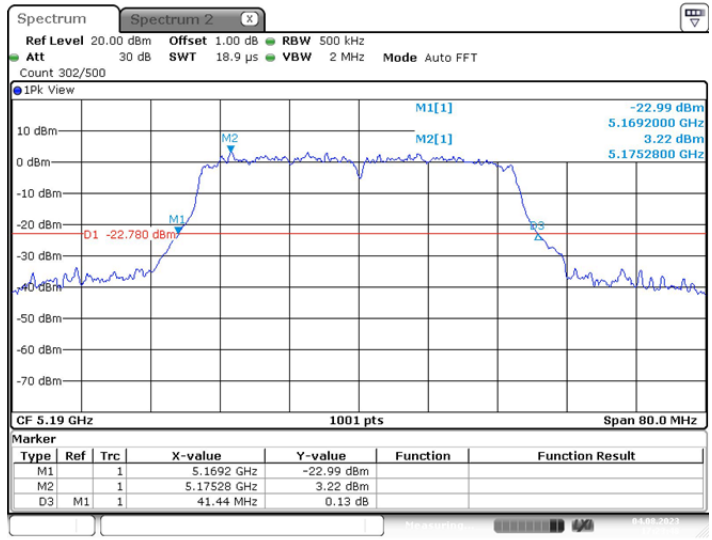


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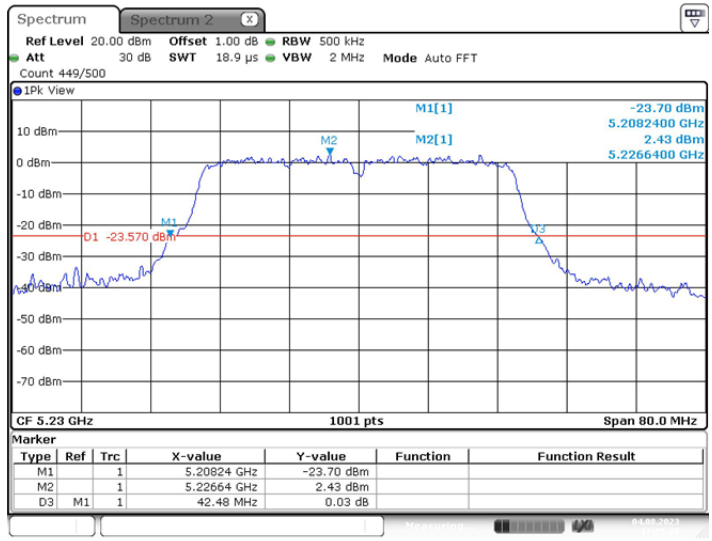
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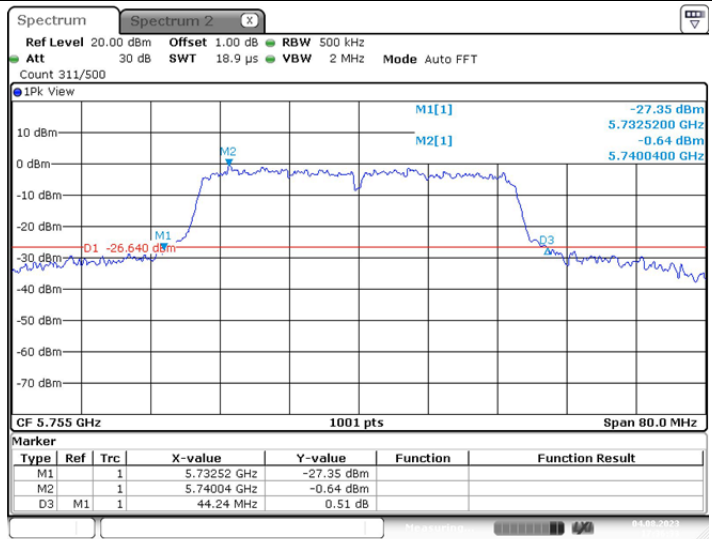
802.11ac(VHT40)_5190



802.11ac(VHT40)_5230

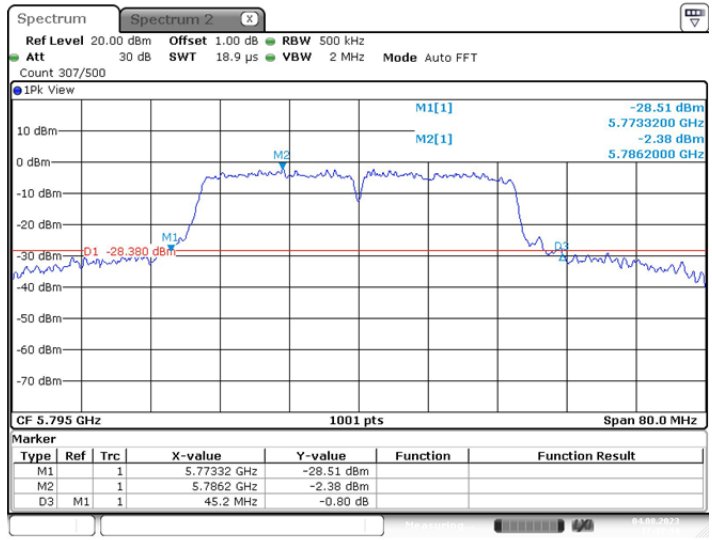


802.11ac(VHT40)_5755



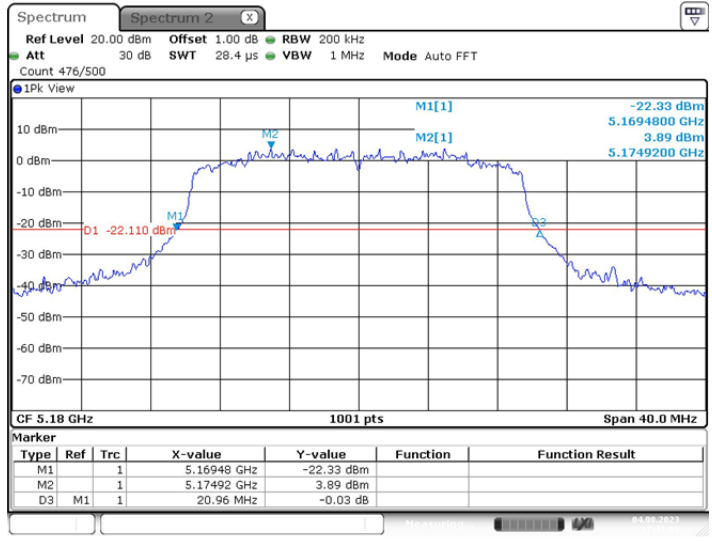
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802.11ac(VHT40)_5795



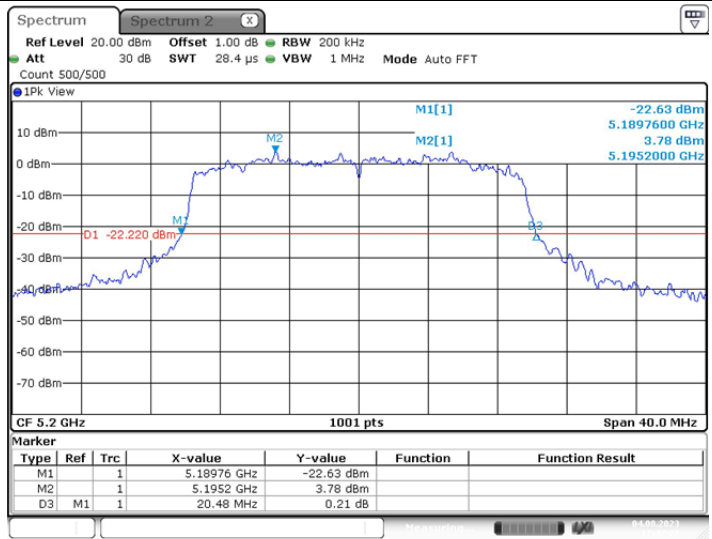
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802.11ax(HE20)_5180



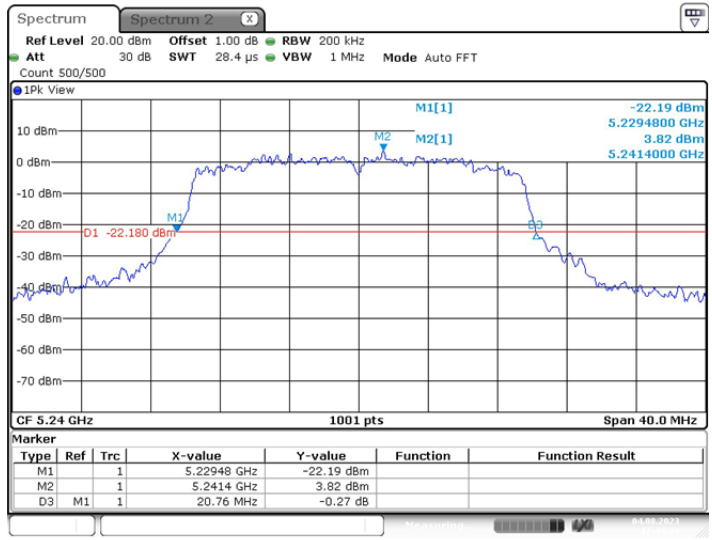
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802.11ax(HE20)_5200



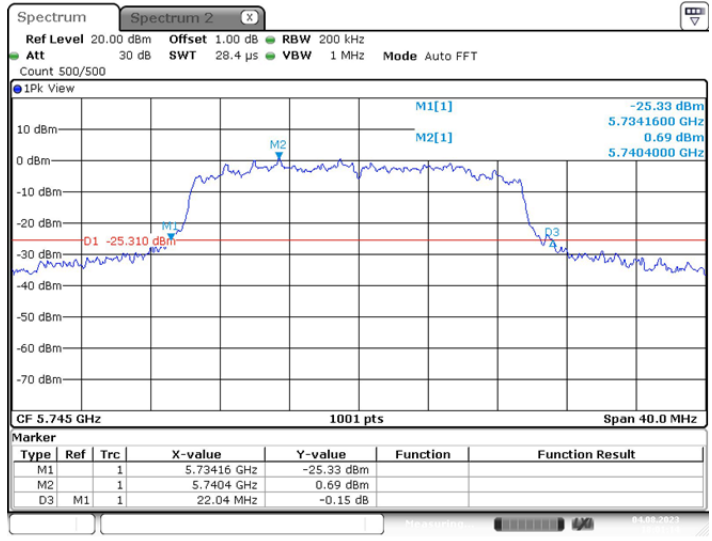
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802.11ax(HE20)_5240



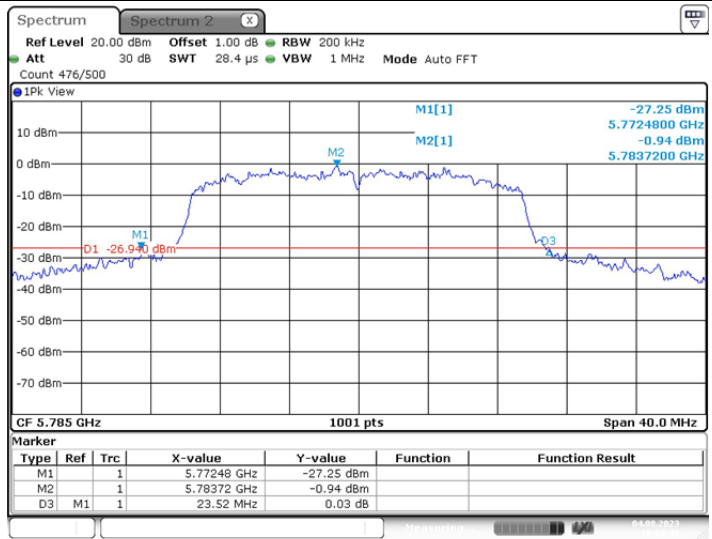
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802.11ax(HE20)_5745



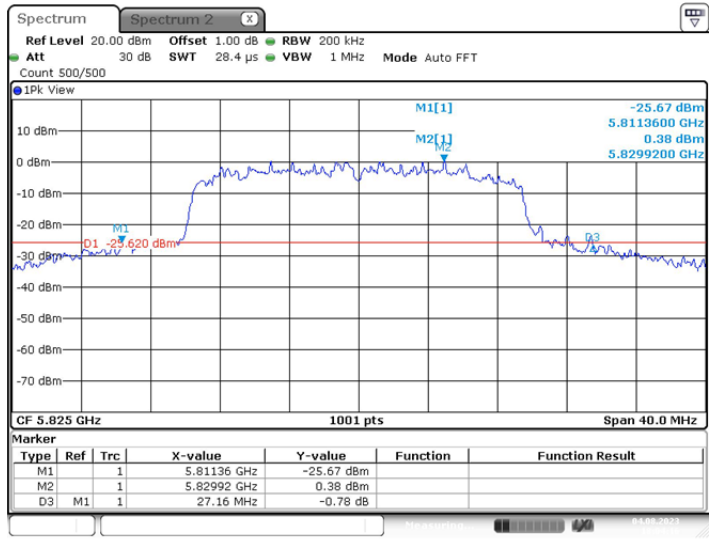
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802.11ax(HE20)_5785



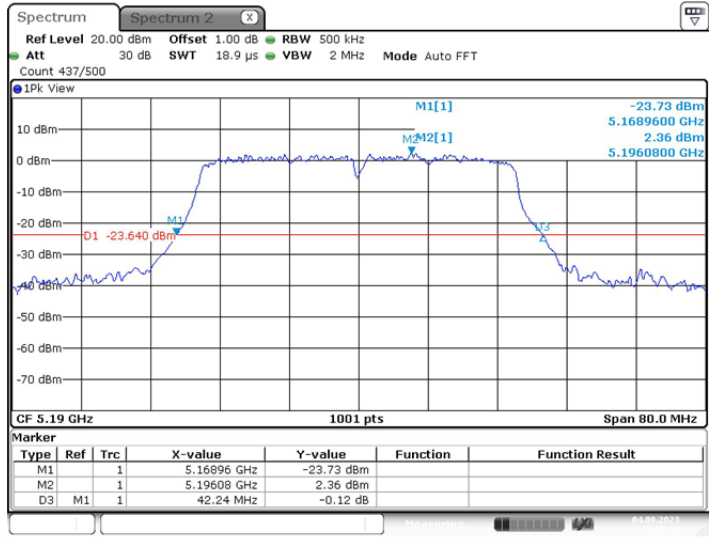
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802.11ax(HE20)_5825



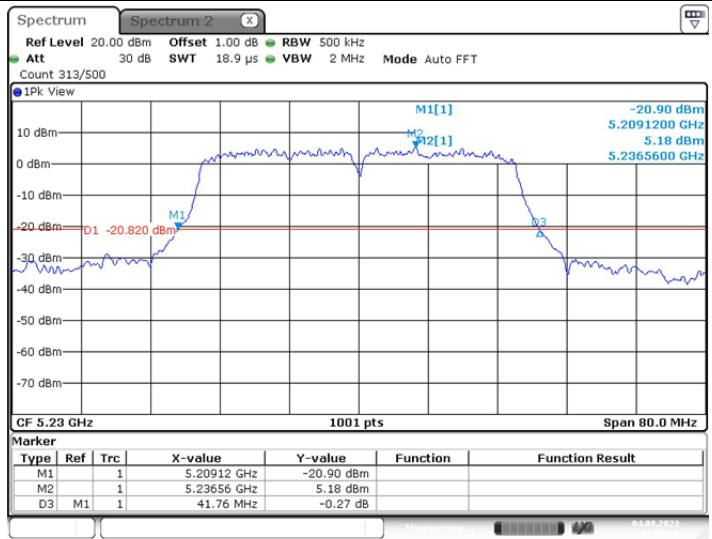
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802.11ax(HE40)_5190



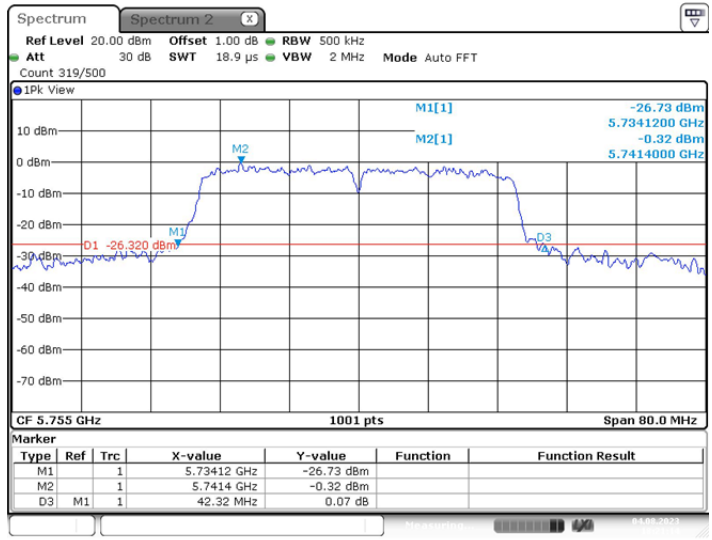
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802.11ax(HE40)_5230



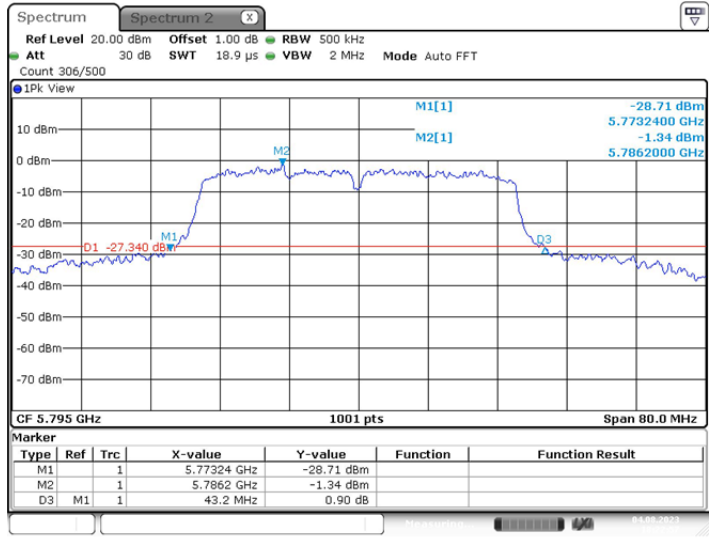
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802.11ax(HE40)_5755



Date: 4.AUG.2023 18:21:14

802.11ax(HE40)_5795



Date: 4.AUG.2023 18:22:57

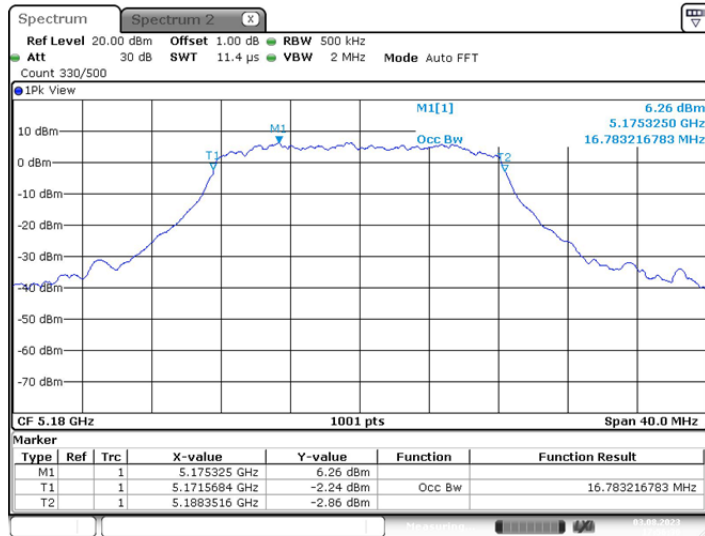
Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
802.11a	5180	16.783	5171.568	5188.352	PASS
	5200	16.903	5191.369	5208.272	PASS
	5240	17.063	5231.409	5248.472	PASS
	5745	17.063	5736.289	5753.352	PASS
	5785	17.582	5776.049	5793.631	PASS
	5825	16.863	5816.489	5833.352	PASS
802.11n(HT20)	5180	17.702	5171.049	5188.751	PASS
	5200	17.662	5191.129	5208.791	PASS
	5240	17.662	5231.129	5248.791	PASS
	5745	18.182	5735.689	5753.871	PASS
	5785	17.822	5776.009	5793.831	PASS
	5825	17.662	5816.089	5833.751	PASS
802.11n(HT40)	5190	36.284	5171.858	5208.142	PASS
	5230	36.204	5211.858	5248.062	PASS
	5755	36.843	5736.299	5773.142	PASS
	5795	36.523	5776.698	5813.222	PASS
802.11ac(VHT20)	5180	17.822	5170.929	5188.751	PASS
	5200	17.742	5191.049	5208.791	PASS
	5240	17.702	5231.049	5248.751	PASS
	5745	17.862	5735.889	5753.751	PASS
	5785	17.742	5776.089	5793.831	PASS
	5825	17.822	5816.009	5833.831	PASS
802.11ac(VHT40)	5190	36.124	5171.778	5207.902	PASS
	5230	36.284	5211.698	5247.982	PASS
	5755	36.364	5736.698	5773.062	PASS
	5795	36.444	5776.618	5813.062	PASS
802.11ax(HE20)	5180	18.741	5170.529	5189.271	PASS
	5200	18.901	5190.490	5209.391	PASS
	5240	18.741	5230.529	5249.271	PASS
	5745	18.941	5735.450	5754.391	PASS
	5785	18.821	5775.490	5794.311	PASS
	5825	18.981	5815.410	5834.391	PASS
802.11ax(HE40)	5190	36.364	5171.698	5208.062	PASS
	5230	36.124	5211.858	5247.982	PASS
	5755	36.843	5736.139	5772.982	PASS
	5795	36.603	5776.538	5813.142	PASS

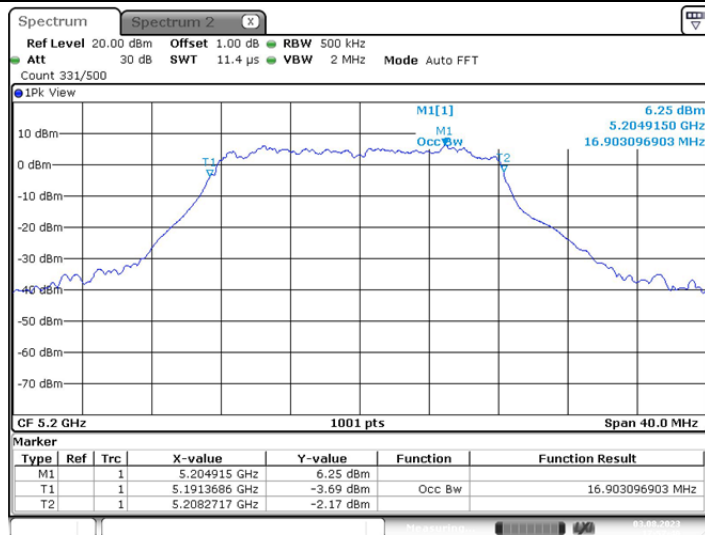
Test Graphs

802.11a_5180



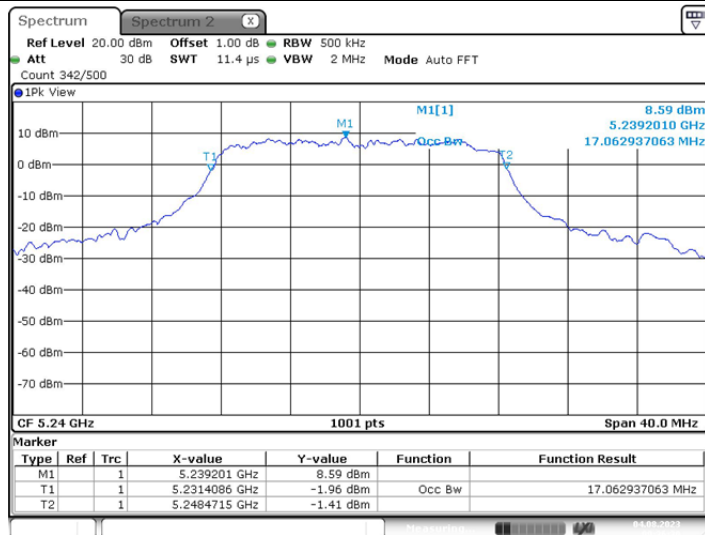
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802.11a_5200



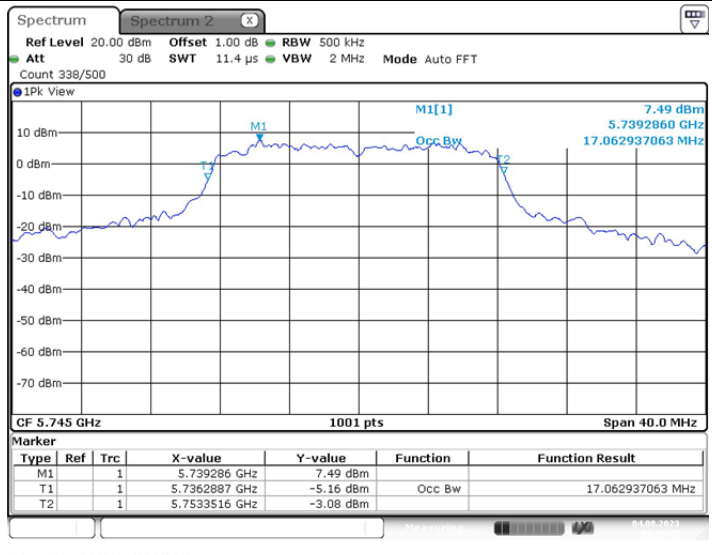
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802.11a_5240

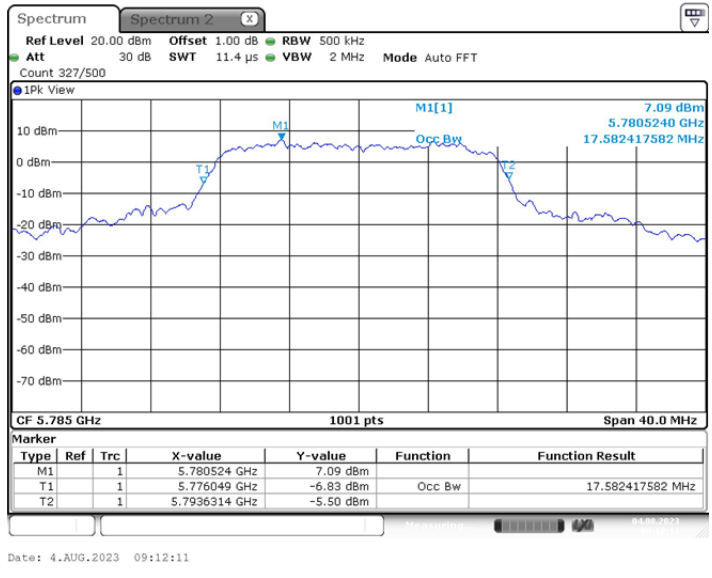


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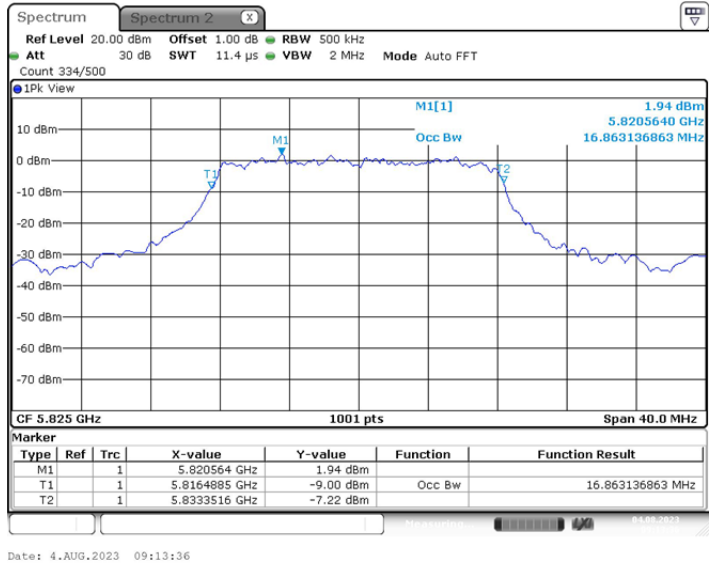
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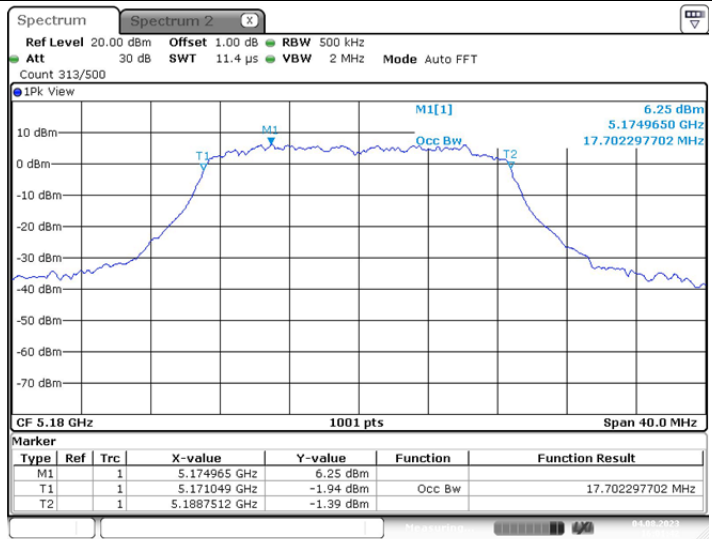
802.11a_5785



802.11a_5825

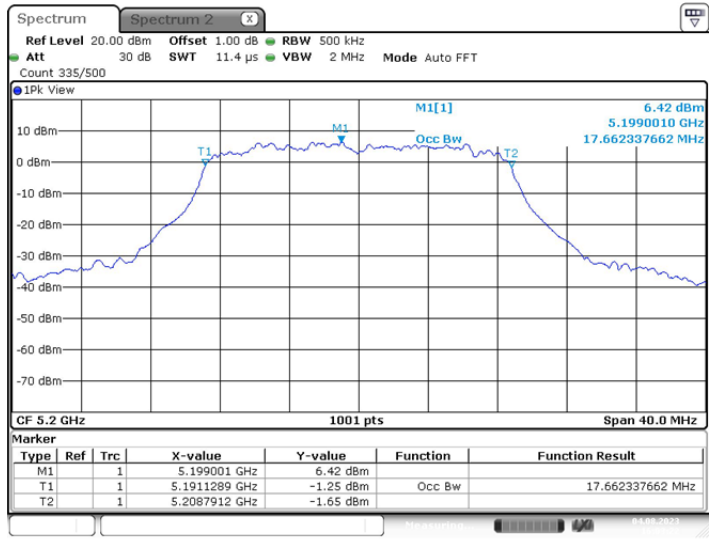


802.11n(HT20)_5180



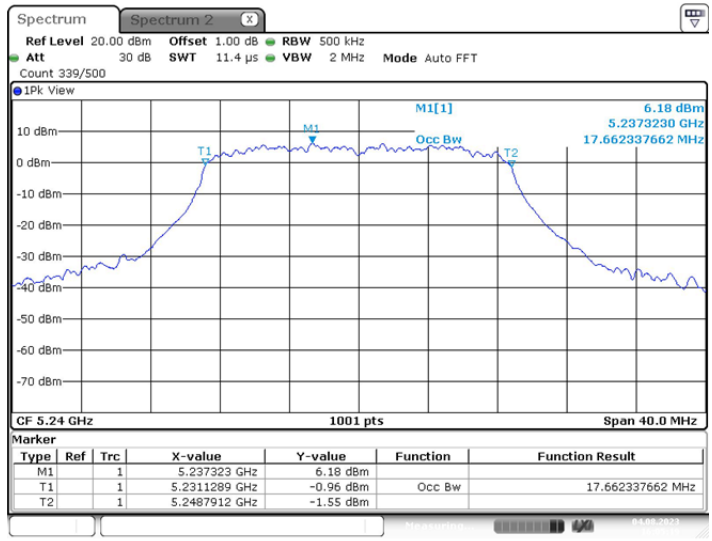
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802.11n(HT20)_5200



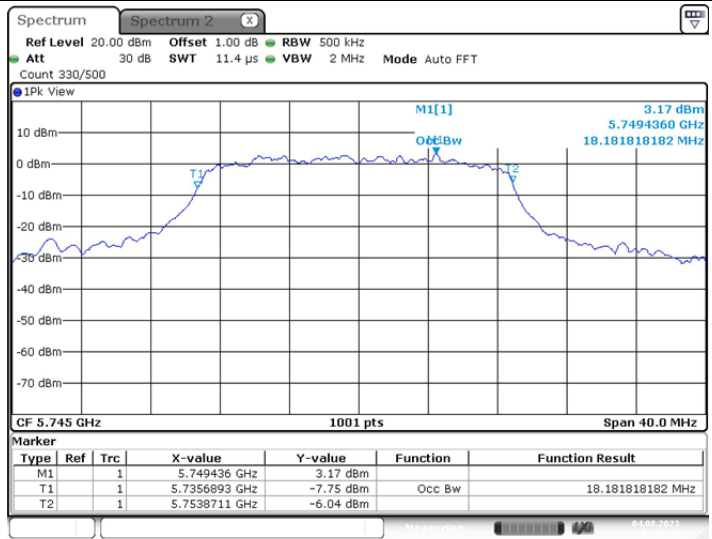
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802.11n(HT20)_5240



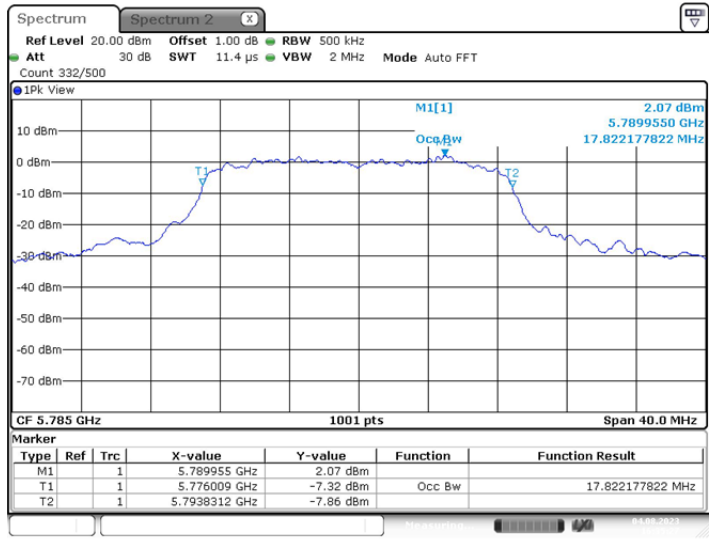
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802.11n(HT20)_5745



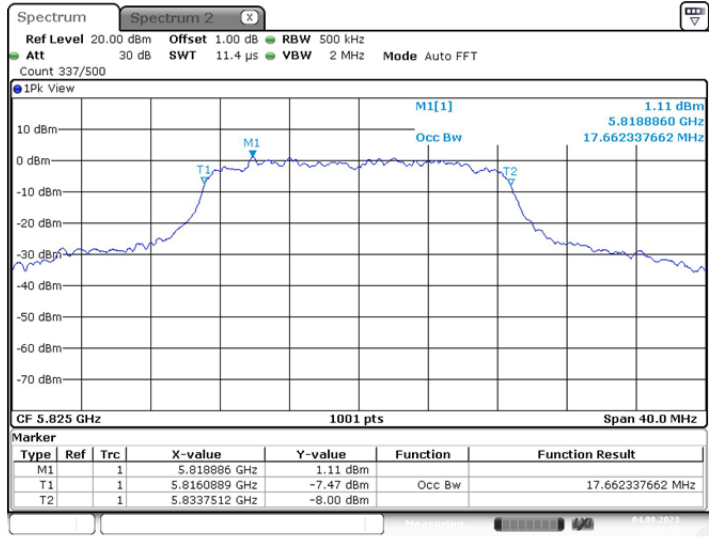
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802.11n(HT20)_5785



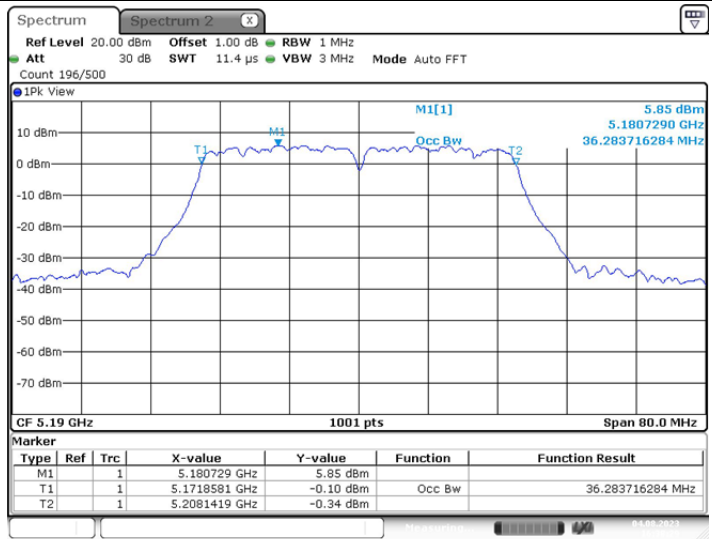
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802.11n(HT20)_5825



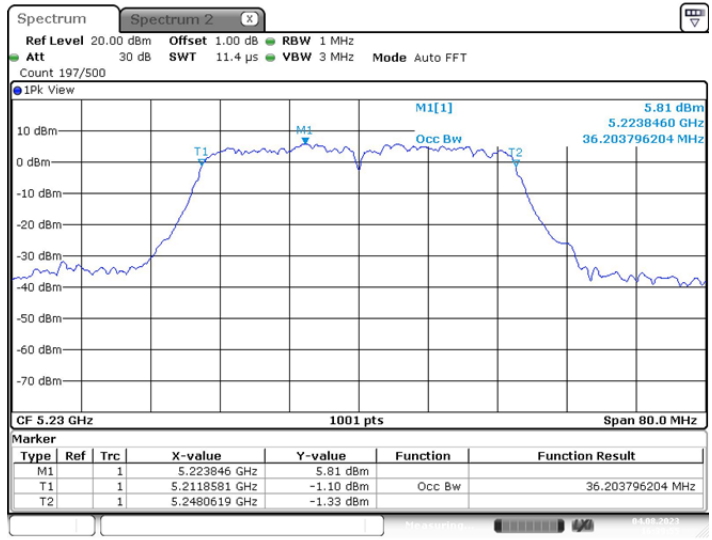
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802.11n(HT40)_5190



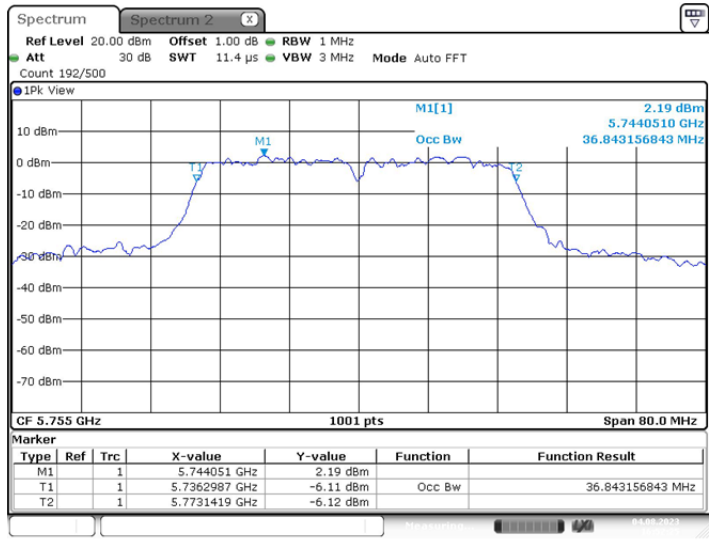
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802.11n(HT40)_5230



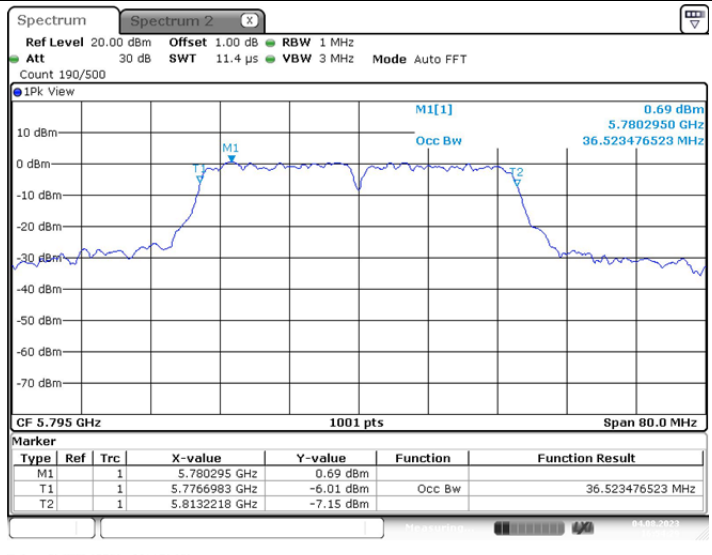
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802.11n(HT40)_5755

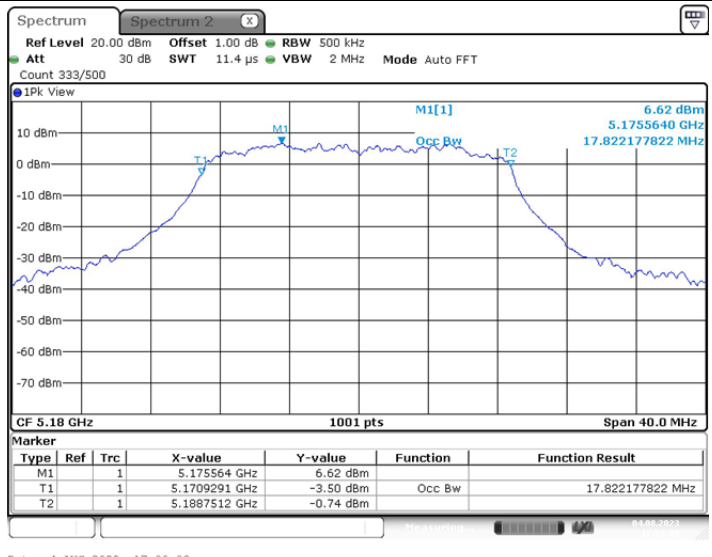


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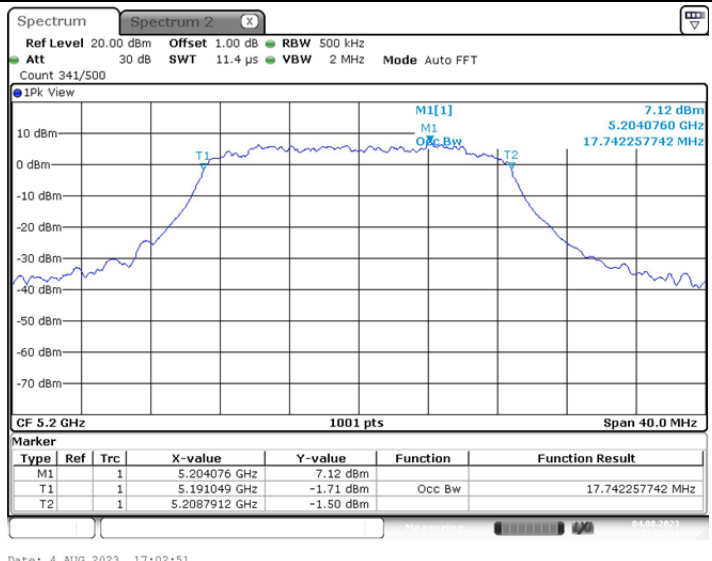
802.11n(HT40)_5795



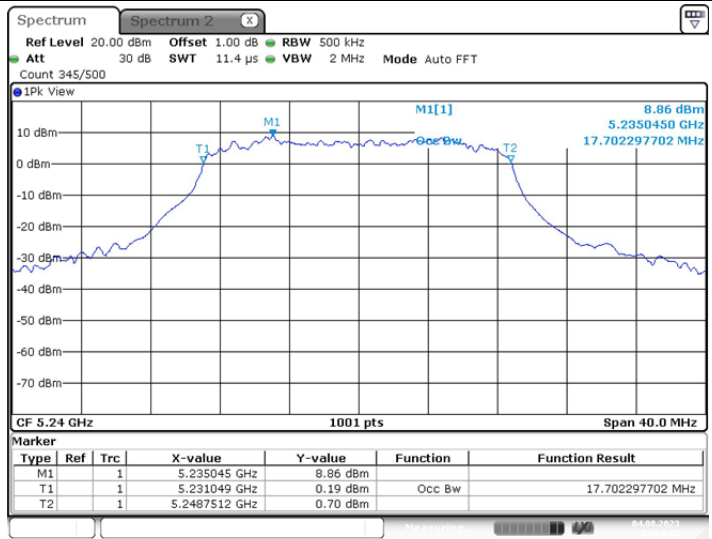
802.11ac(VHT20)_5180



802.11ac(VHT20)_5200

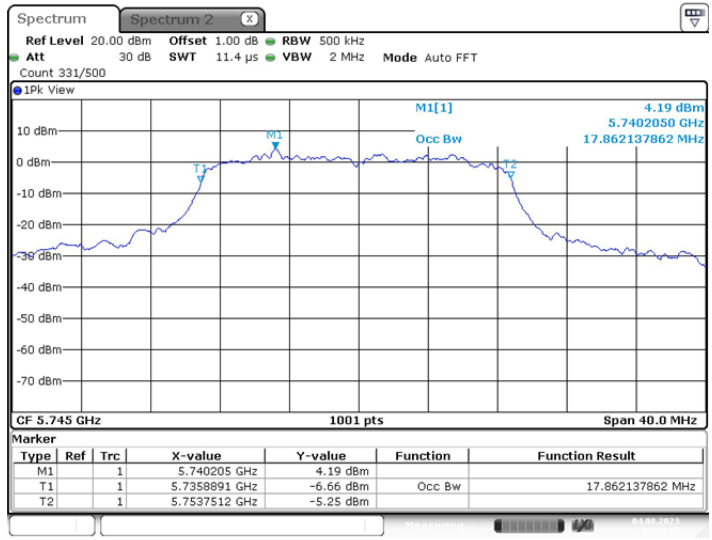


802.11ac(VHT20)_5240



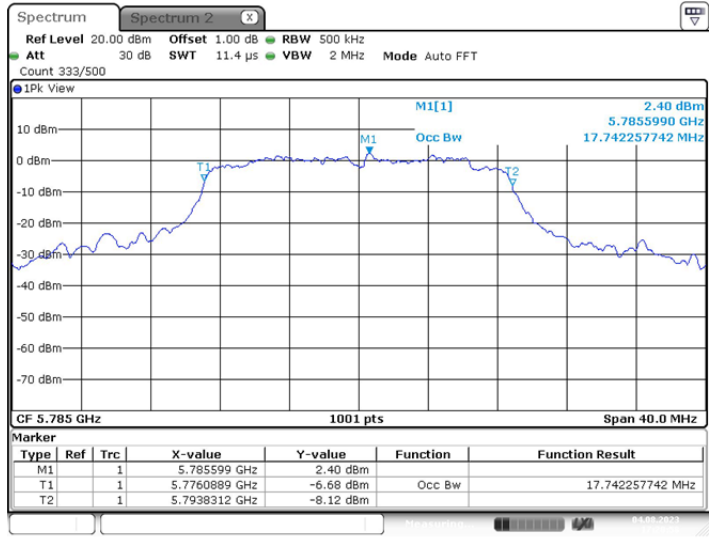
Date: 4.AUG.2023 17:04:15

802.11ac(VHT20)_5745



Date: 4.AUG.2023 17:19:17

802.11ac(VHT20)_5785



Date: 4.AUG.2023 17:20:58

802.11ac(VHT20)_5825