



CTC Laboratories, Inc.

1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China
Tel: +86-755- 27521059 Fax: +86-755- 27521011 Http://www.sz-ctc.org.cn

Appendix for 5GHz WIFI

Applicant: Clear Touch Solutions, Inc.

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

Product Name: CR100 Microphone Receiver

Model: CTS-CR100-245G

FCC ID: 2A2C7-MC07AR

IC: 27313-MC07AR

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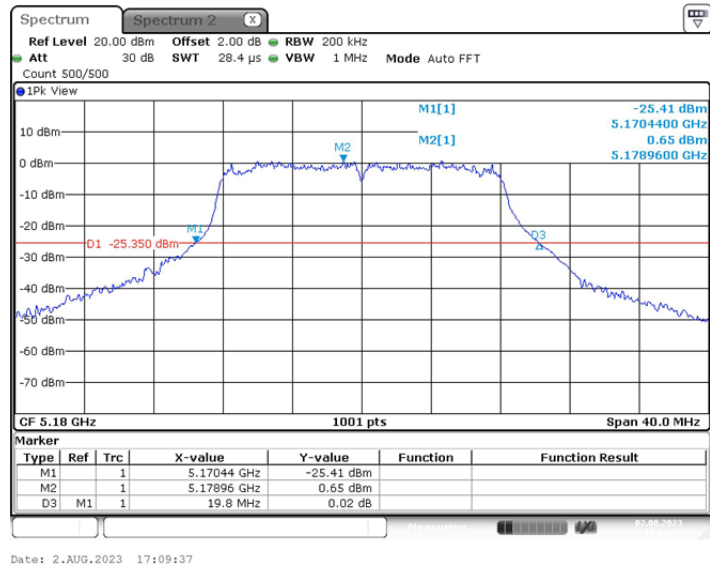
Appendix A1: Emission Bandwidth

Test Result

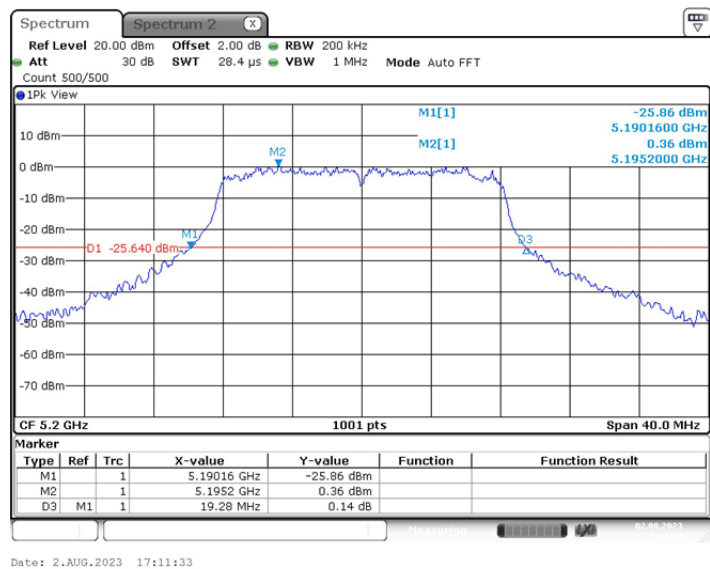
Test Mode	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Verdict
802.11a	5180	19.80	5170.44	5190.24	PASS
	5200	19.28	5190.16	5209.44	PASS
	5240	19.56	5230.08	5249.64	PASS
	5745	19.92	5735.00	5754.92	PASS
	5785	19.60	5775.32	5794.92	PASS
	5825	19.64	5815.36	5835.00	PASS
802.11n(HT20)	5180	21.04	5169.44	5190.48	PASS
	5200	20.24	5189.80	5210.04	PASS
	5240	20.80	5229.56	5250.36	PASS
	5745	20.52	5734.64	5755.16	PASS
	5785	20.36	5774.76	5795.12	PASS
	5825	20.68	5814.84	5835.52	PASS
802.11n(HT40)	5190	42.16	5168.80	5210.96	PASS
	5230	40.48	5209.36	5249.84	PASS
	5755	41.84	5734.12	5775.96	PASS
	5795	41.76	5773.40	5815.16	PASS
802.11ac(VHT20)	5180	20.88	5169.40	5190.28	PASS
	5200	20.64	5189.72	5210.36	PASS
	5240	20.44	5229.84	5250.28	PASS
	5745	21.32	5734.28	5755.60	PASS
	5785	20.48	5774.88	5795.36	PASS
	5825	20.44	5814.60	5835.04	PASS
802.11ac(VHT40)	5190	40.72	5169.68	5210.40	PASS
	5230	41.44	5209.28	5250.72	PASS
	5755	41.60	5734.36	5775.96	PASS
	5795	41.12	5774.20	5815.32	PASS
802.11ax(HE20)	5180	21.16	5169.36	5190.52	PASS
	5200	20.52	5189.60	5210.12	PASS
	5240	20.76	5229.44	5250.20	PASS
	5745	21.08	5734.56	5755.64	PASS
	5785	20.92	5774.44	5795.36	PASS
	5825	20.84	5814.52	5835.36	PASS
802.11ax(HE40)	5190	41.76	5169.12	5210.88	PASS
	5230	42.56	5208.16	5250.72	PASS
	5755	42.08	5733.80	5775.88	PASS
	5795	41.44	5773.80	5815.24	PASS

Test Graphs

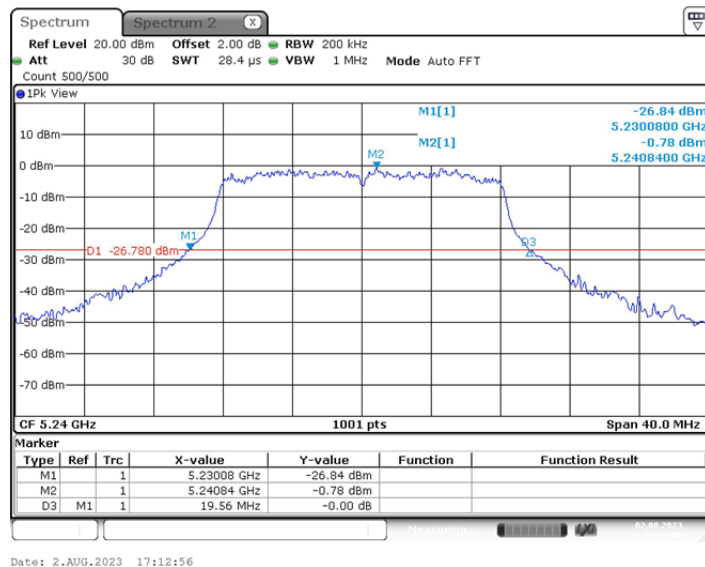
802.11a_5180



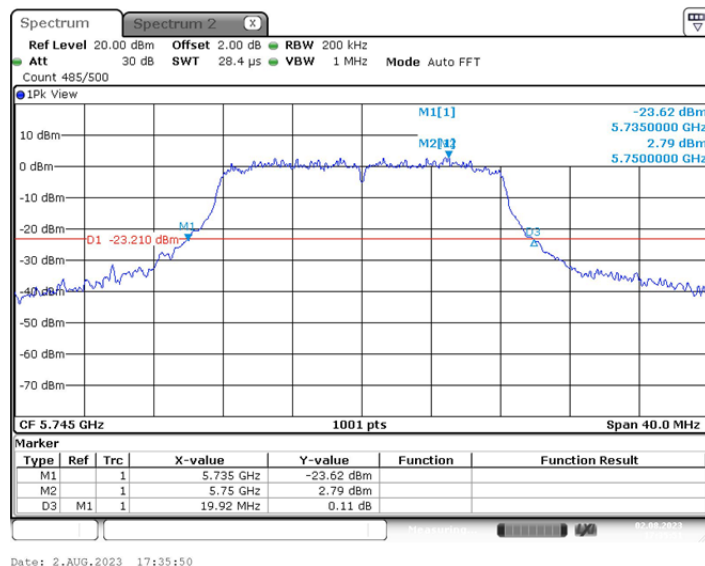
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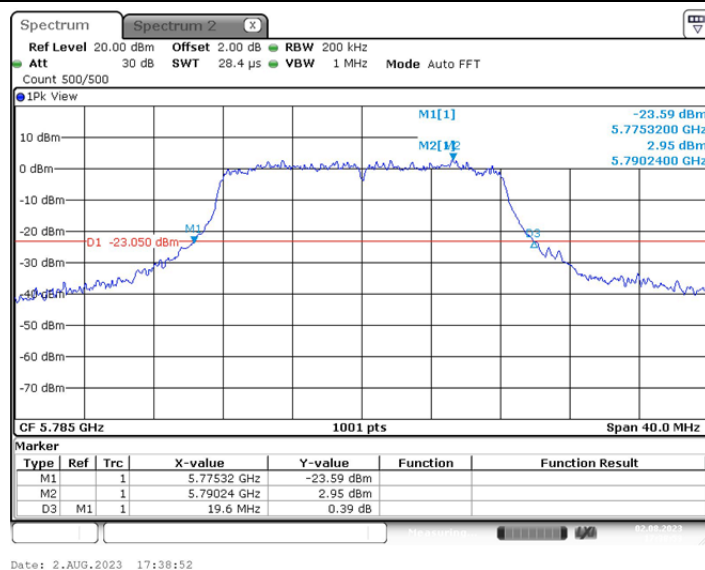
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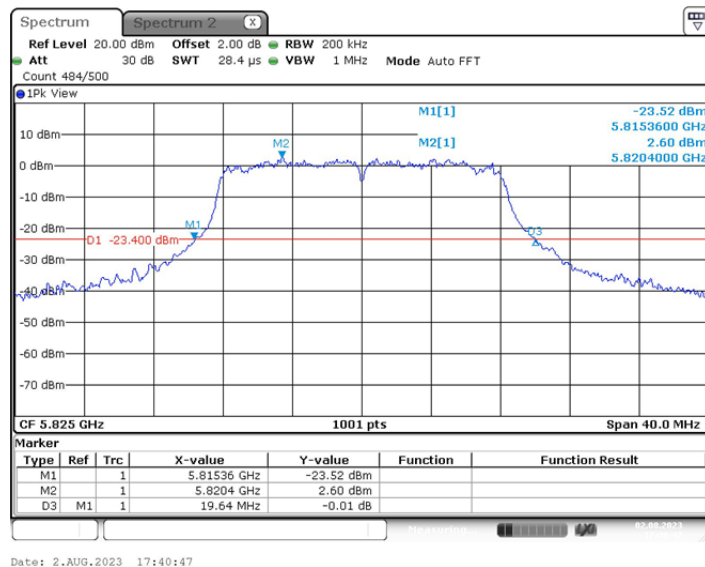
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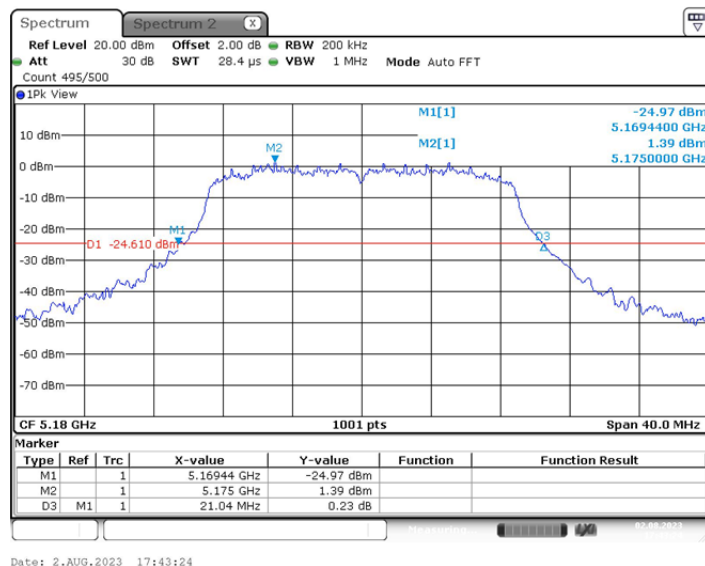
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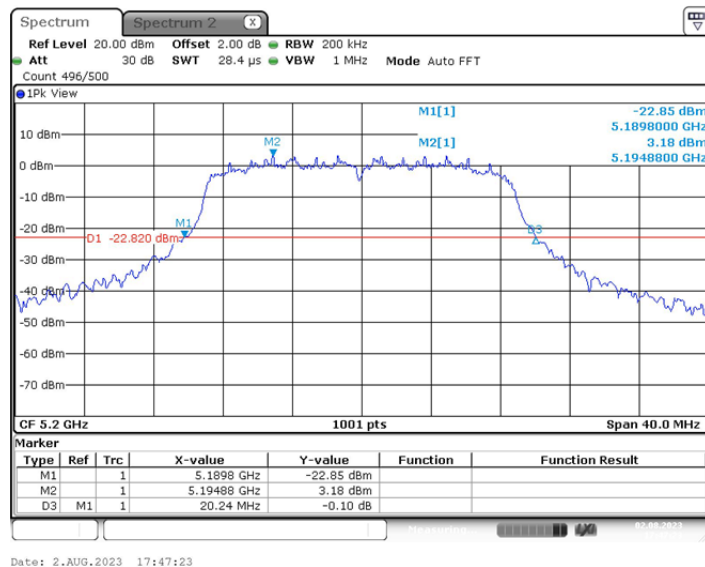
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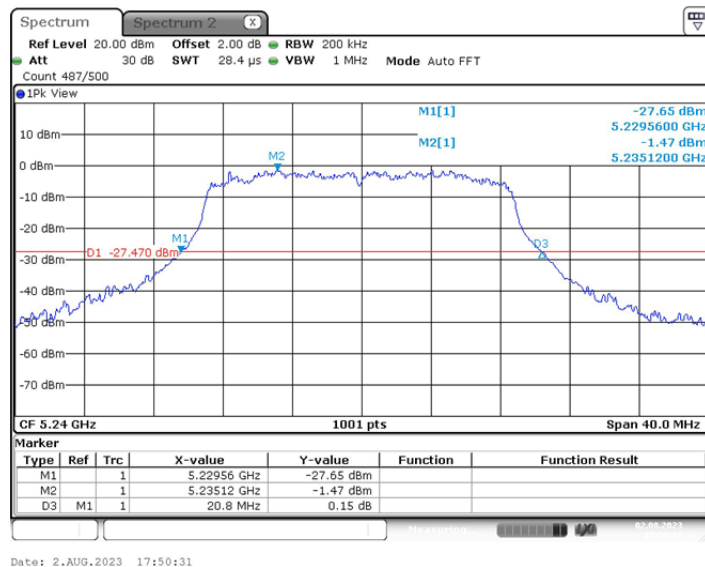
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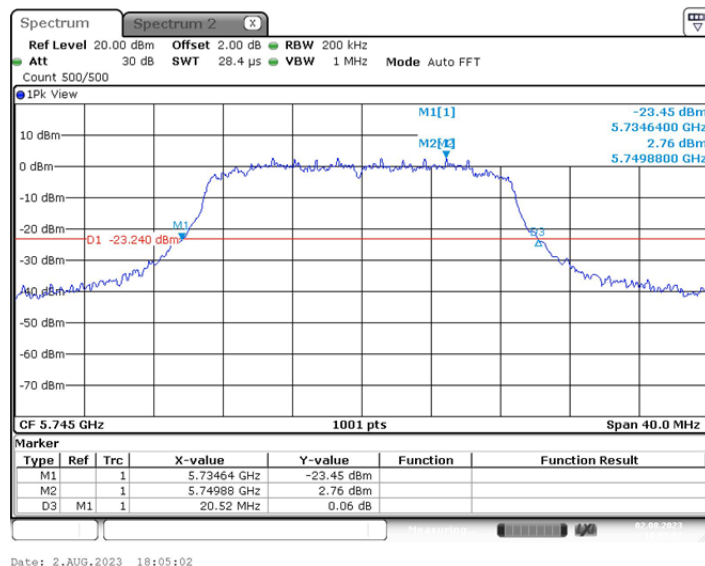
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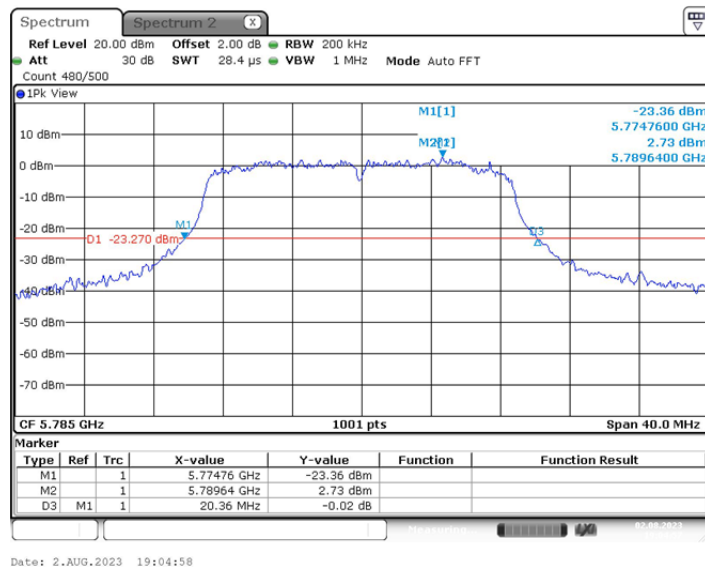
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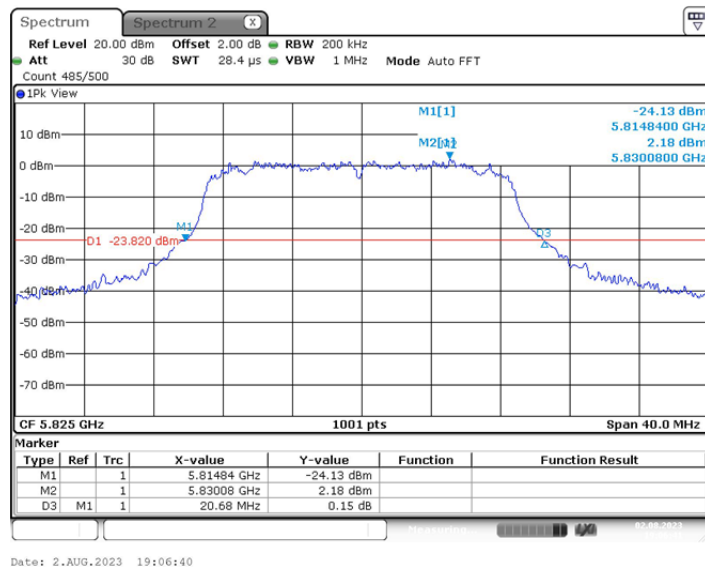
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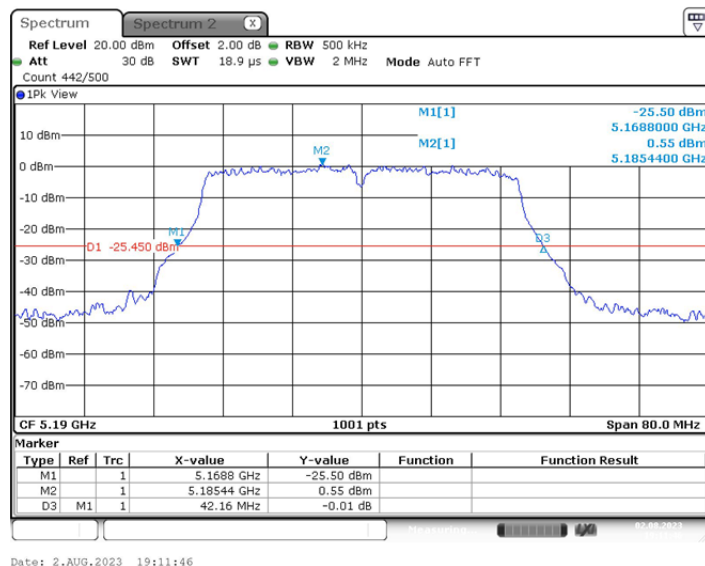
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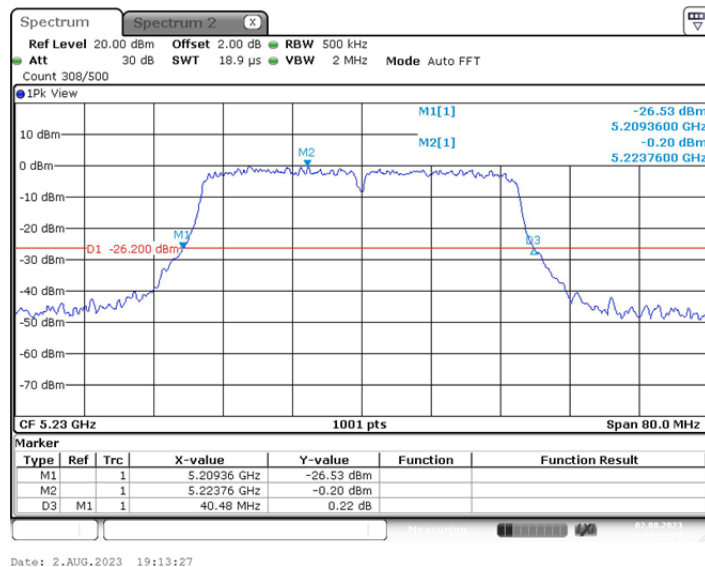
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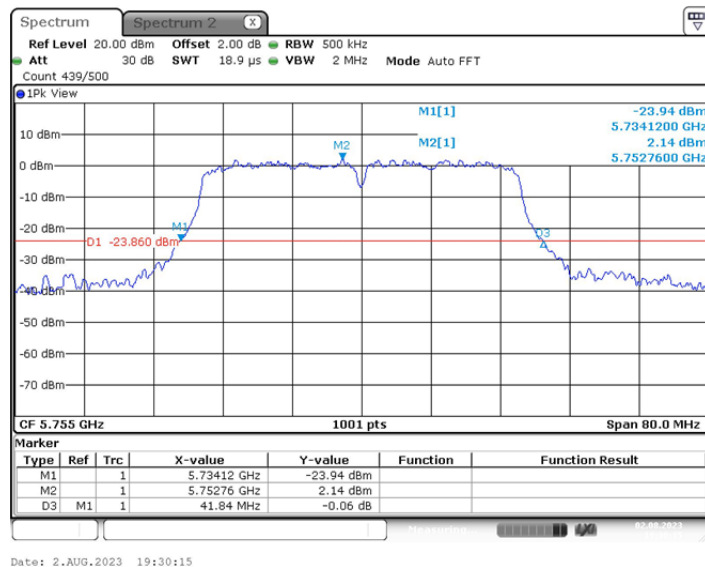
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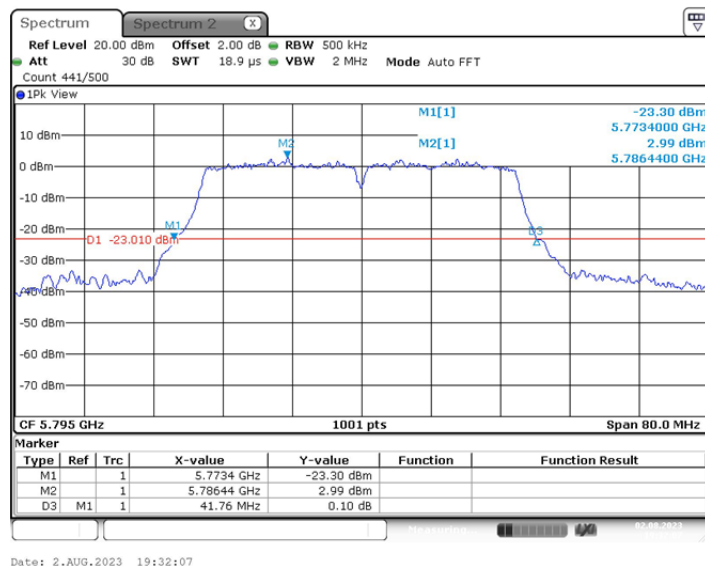
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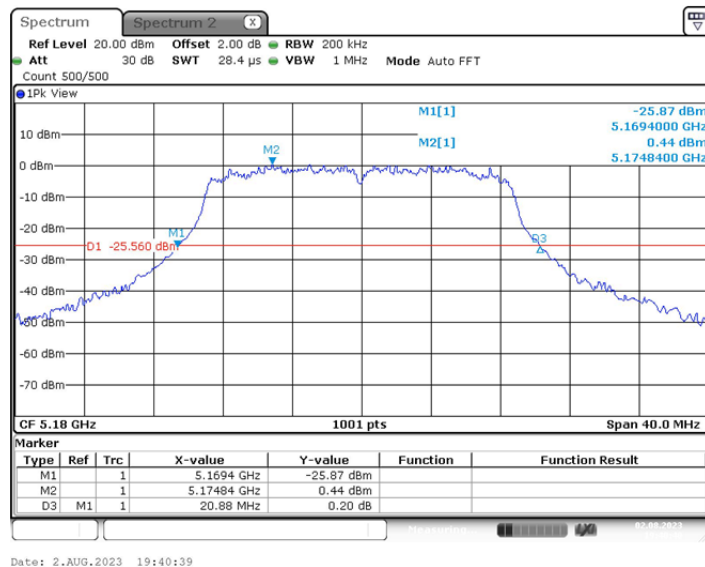
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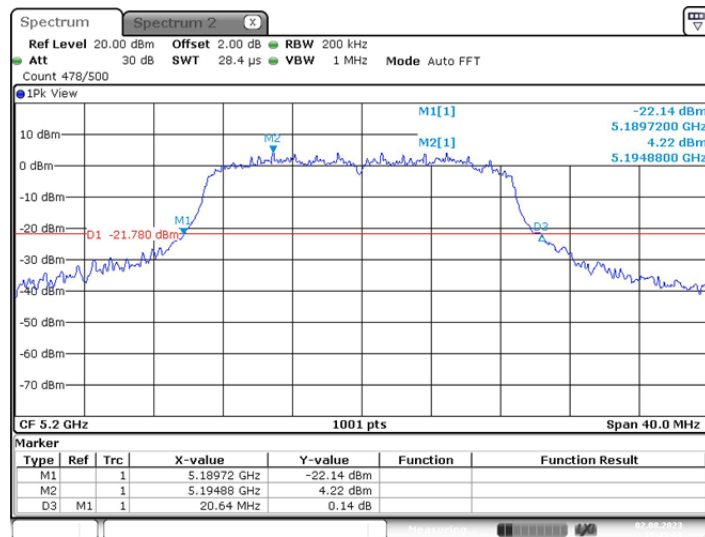
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802.11ac(VHT20)_5180

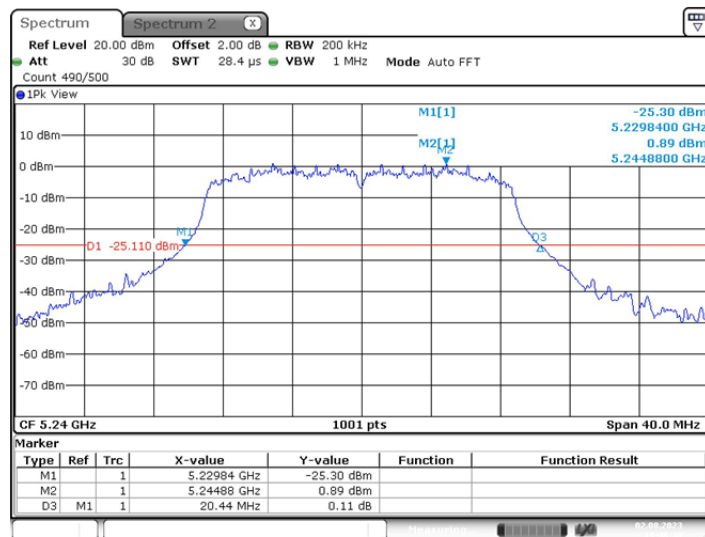


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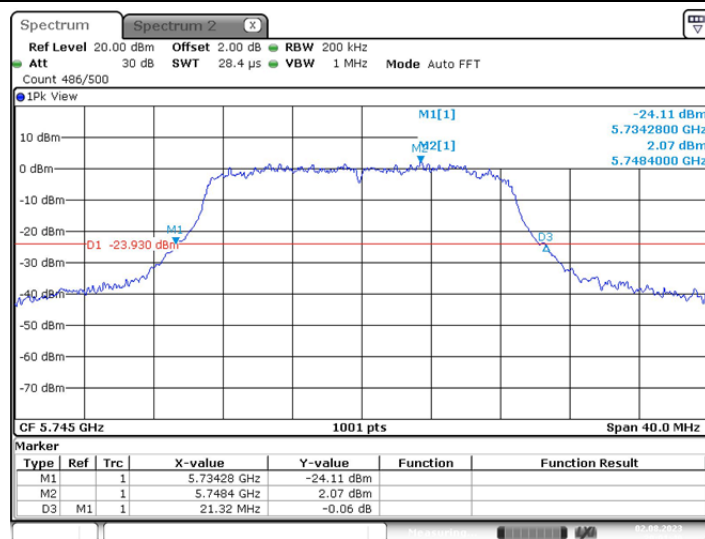
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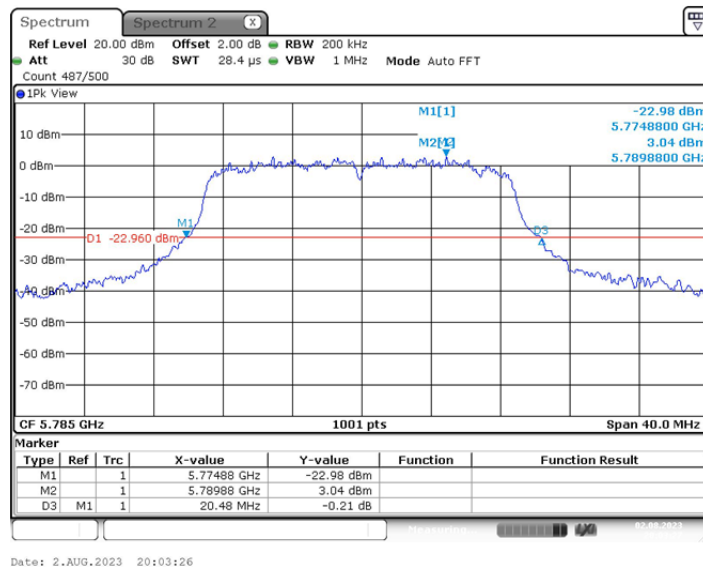
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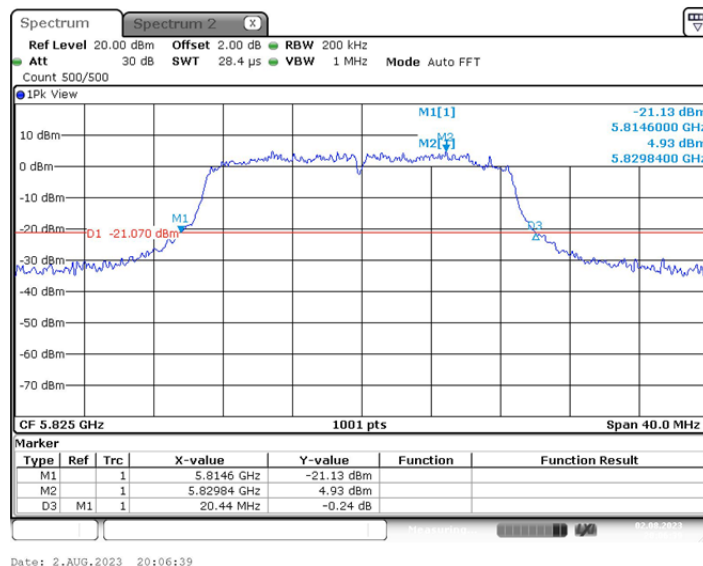


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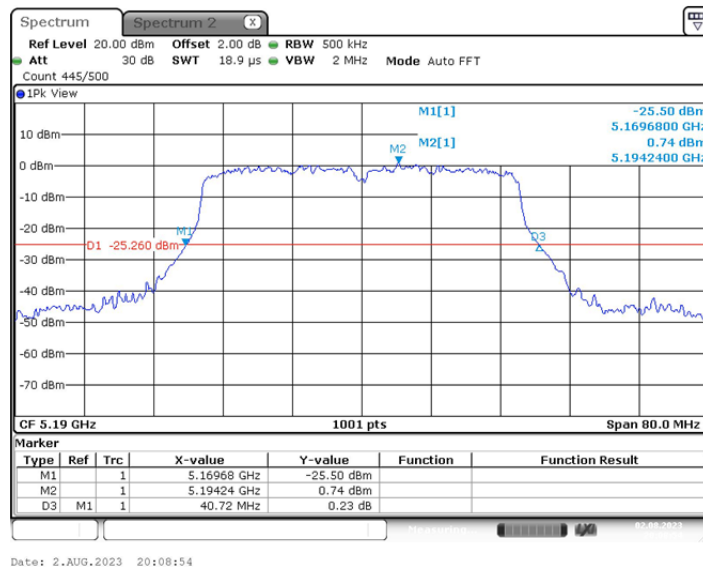
802.11ac(VHT20)_5785



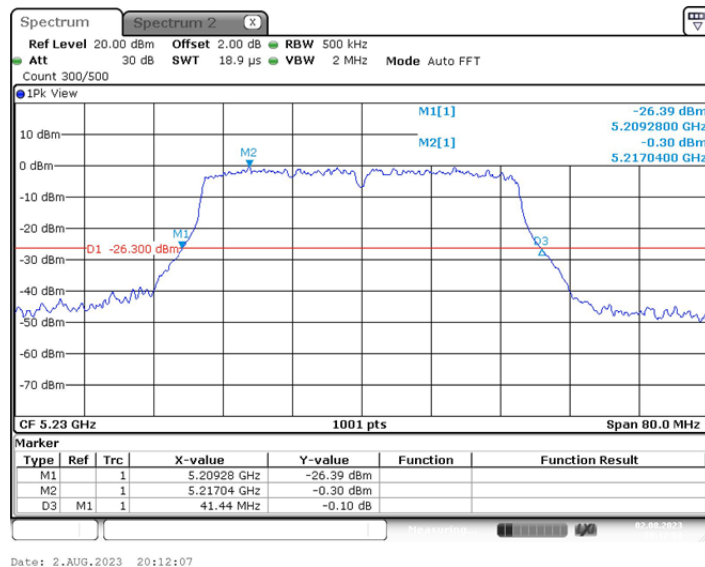
802.11ac(VHT20)_5825



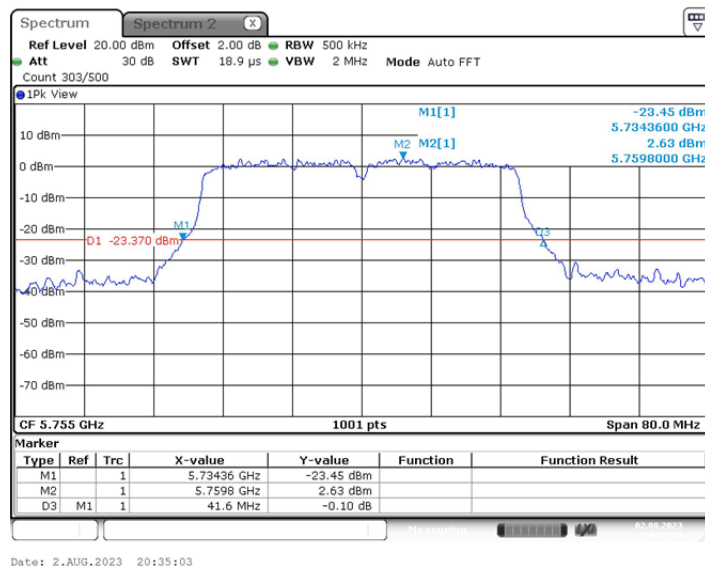
802.11ac(VHT40)_5190



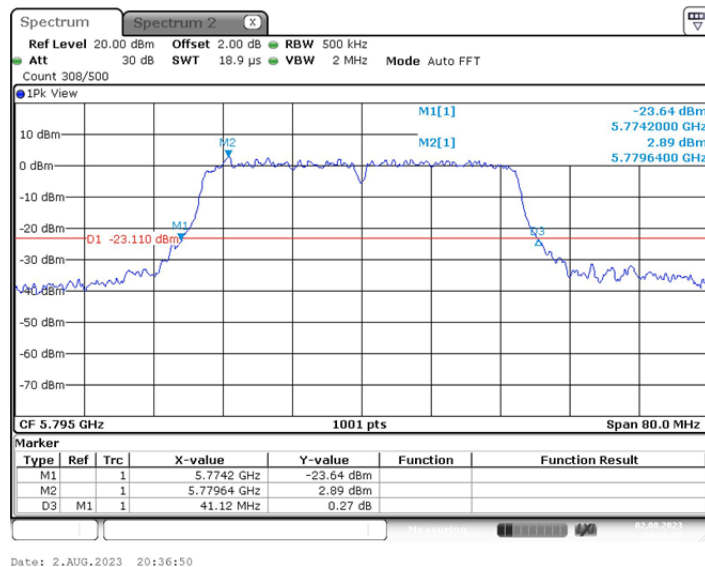
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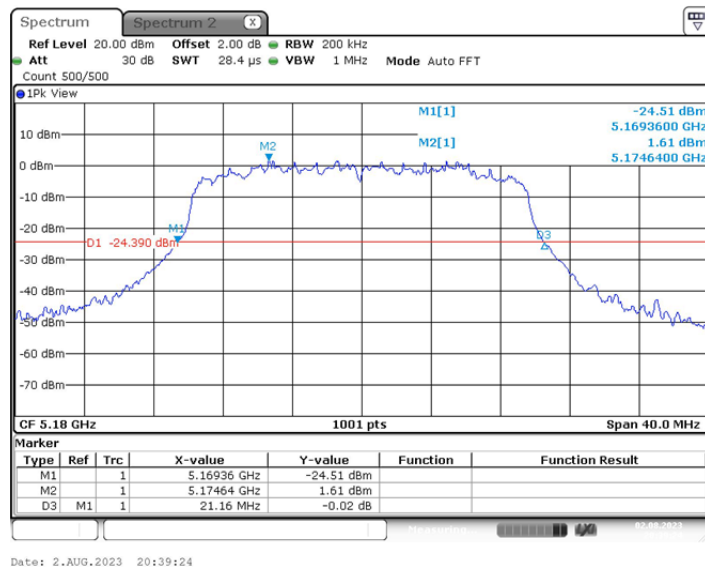
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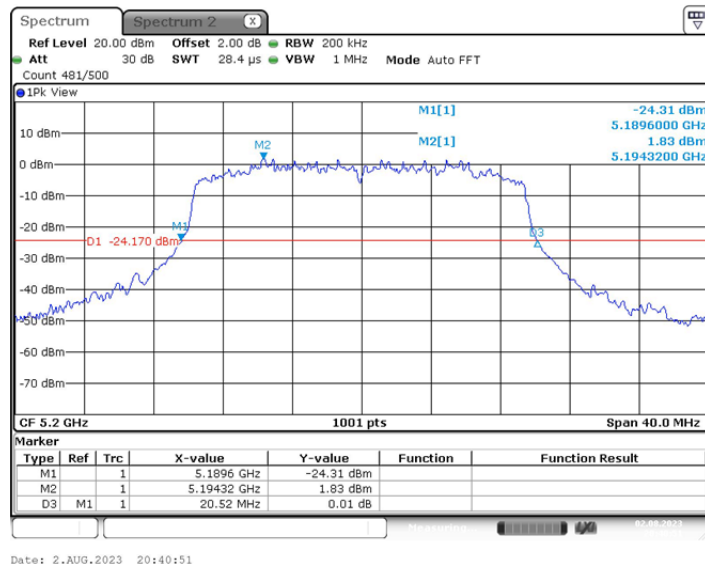
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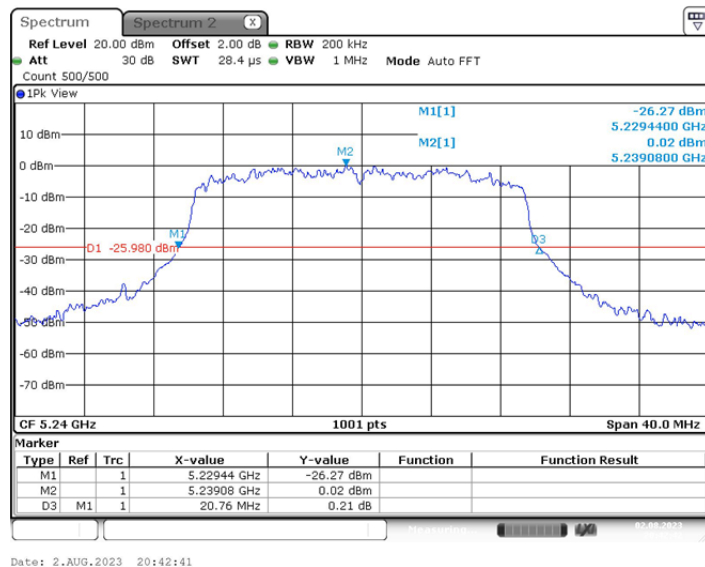
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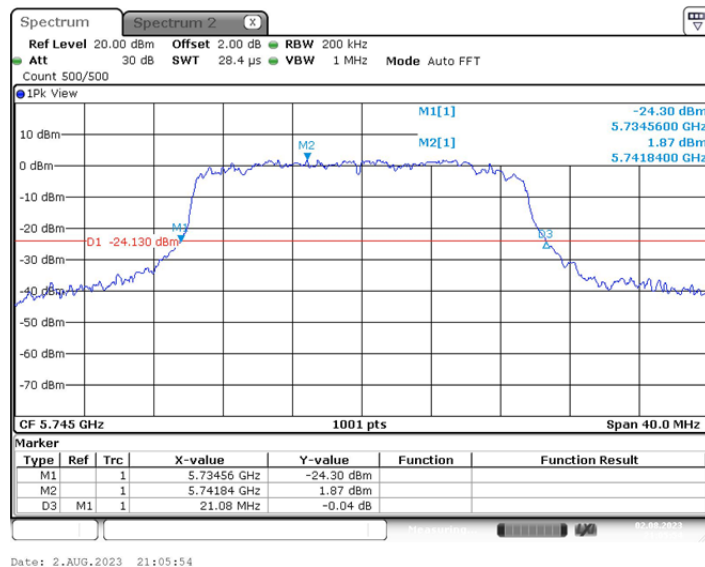
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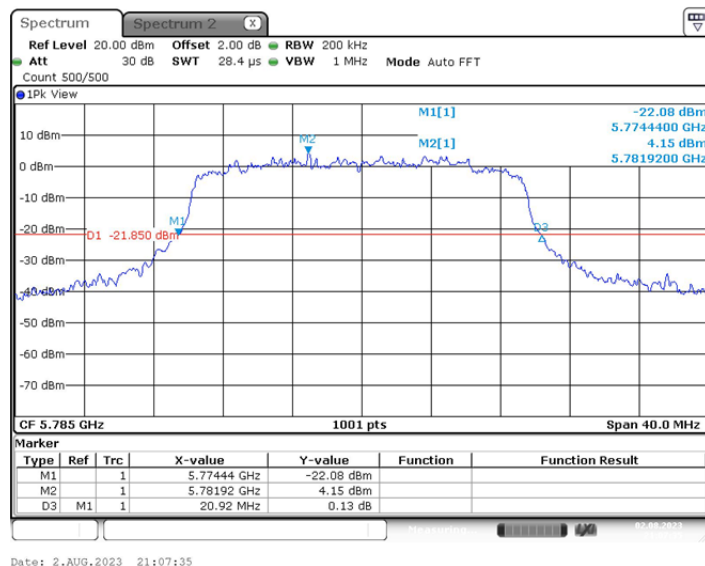
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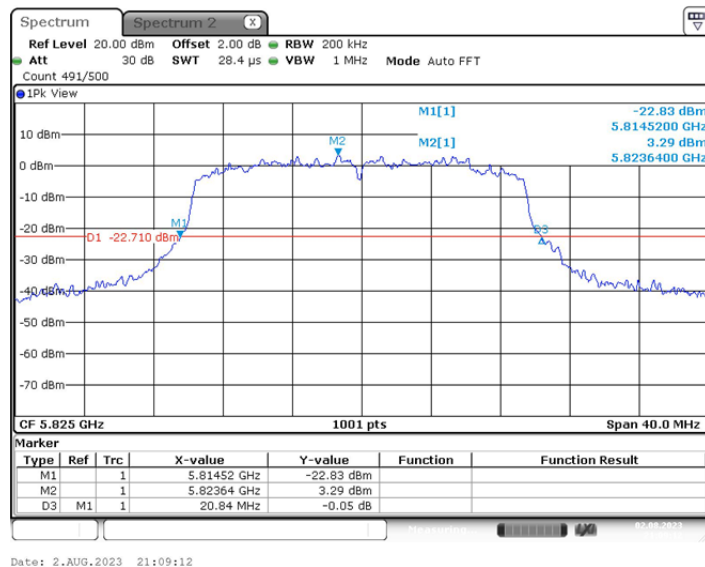
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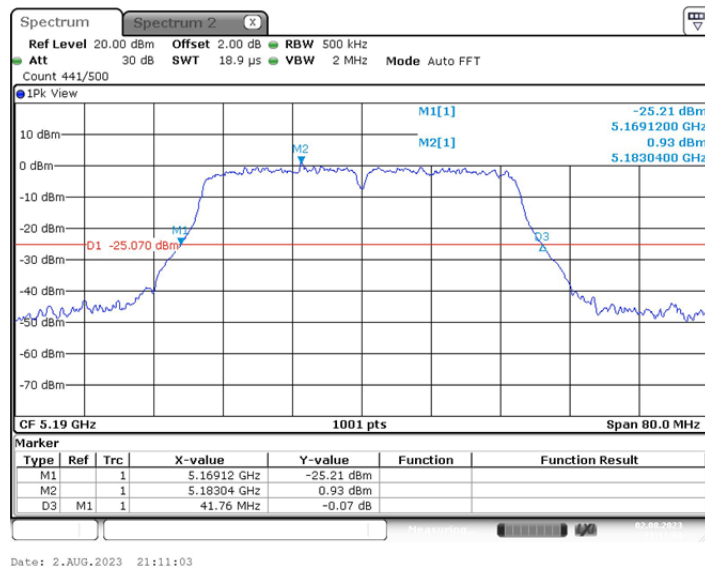
802.11ax(HE20)_5785



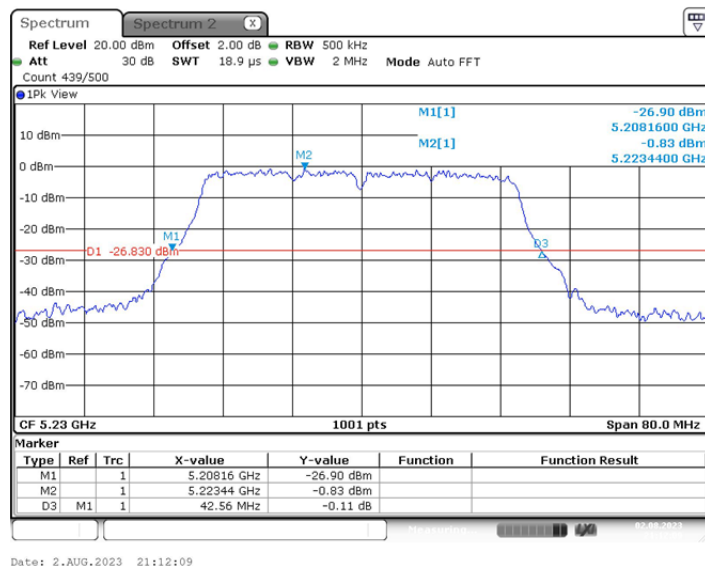
802.11ax(HE20)_5825



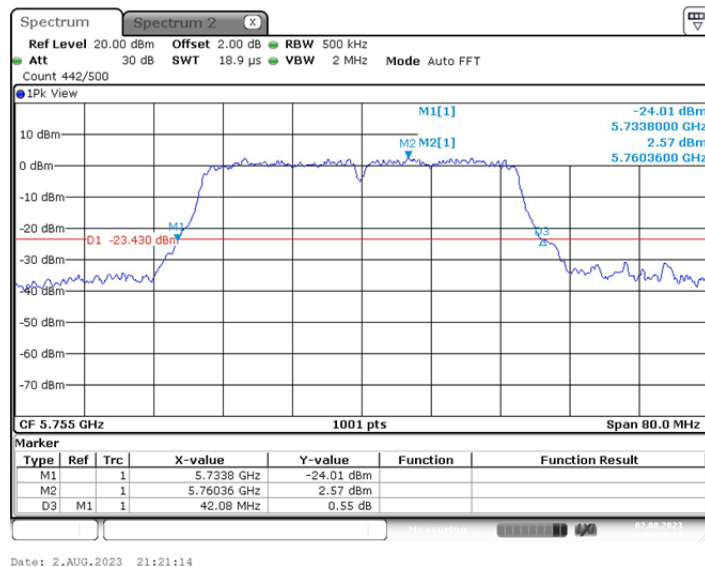
802.11ax(HE40)_5190



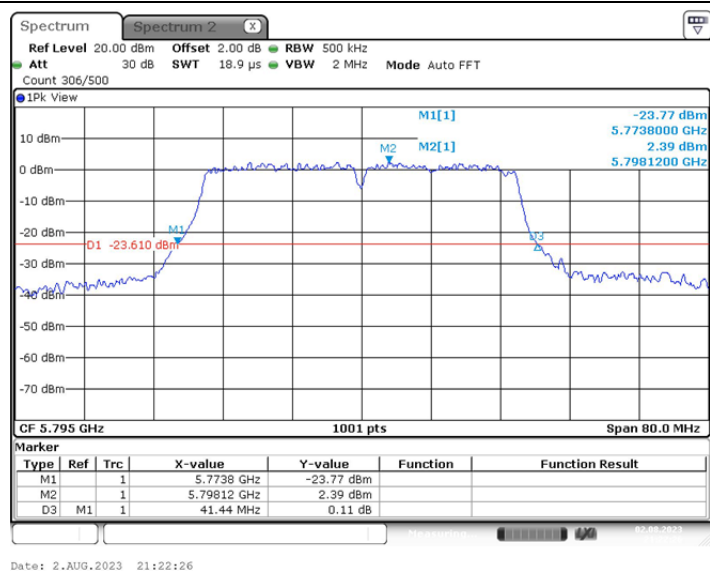
802.11ax(HE40)_5230



802.11ax(HE40)_5755



802.11ax(HE40)_5795



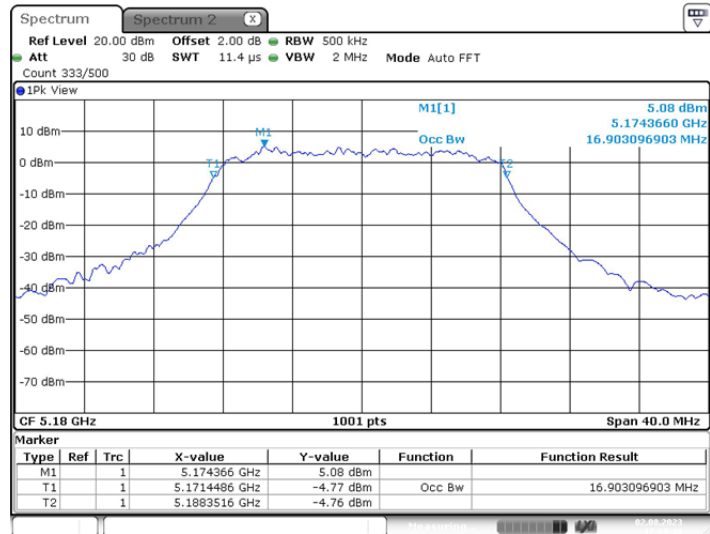
Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
802.11a	5180	16.903	5171.449	5188.352	PASS
	5200	16.823	5191.608	5208.432	PASS
	5240	16.823	5231.608	5248.432	PASS
	5745	16.823	5736.728	5753.551	PASS
	5785	16.743	5776.608	5793.352	PASS
	5825	16.663	5816.648	5833.312	PASS
802.11n(HT20)	5180	17.862	5171.049	5188.911	PASS
	5200	17.742	5191.009	5208.751	PASS
	5240	17.742	5230.929	5248.671	PASS
	5745	17.862	5736.009	5753.871	PASS
	5785	18.022	5775.729	5793.751	PASS
	5825	18.022	5815.969	5833.991	PASS
802.11n(HT40)	5190	36.124	5171.858	5207.982	PASS
	5230	36.204	5211.778	5247.982	PASS
	5755	36.603	5736.459	5773.062	PASS
	5795	36.284	5776.698	5812.982	PASS
802.11ac(VHT20)	5180	17.742	5171.089	5188.831	PASS
	5200	17.622	5191.049	5208.671	PASS
	5240	17.622	5231.049	5248.671	PASS
	5745	17.742	5736.009	5753.751	PASS
	5785	17.862	5776.049	5793.911	PASS
	5825	17.822	5815.929	5833.751	PASS
802.11ac(VHT40)	5190	36.204	5171.778	5207.982	PASS
	5230	36.124	5211.778	5247.902	PASS
	5755	36.284	5736.778	5773.062	PASS
	5795	36.204	5776.698	5812.902	PASS
802.11ax(HE20)	5180	18.741	5170.529	5189.271	PASS
	5200	18.741	5190.529	5209.271	PASS
	5240	18.861	5230.410	5249.271	PASS
	5745	18.781	5735.450	5754.231	PASS
	5785	18.661	5775.490	5794.151	PASS
	5825	18.821	5815.490	5834.311	PASS
802.11ax(HE40)	5190	36.124	5171.778	5207.902	PASS
	5230	36.204	5211.778	5247.982	PASS
	5755	36.364	5736.618	5772.982	PASS
	5795	35.964	5776.858	5812.822	PASS

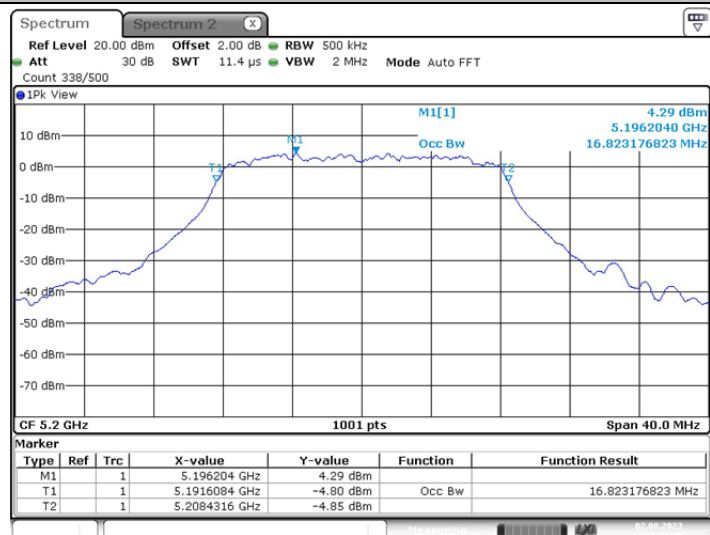
Test Graphs

802.11a_5180



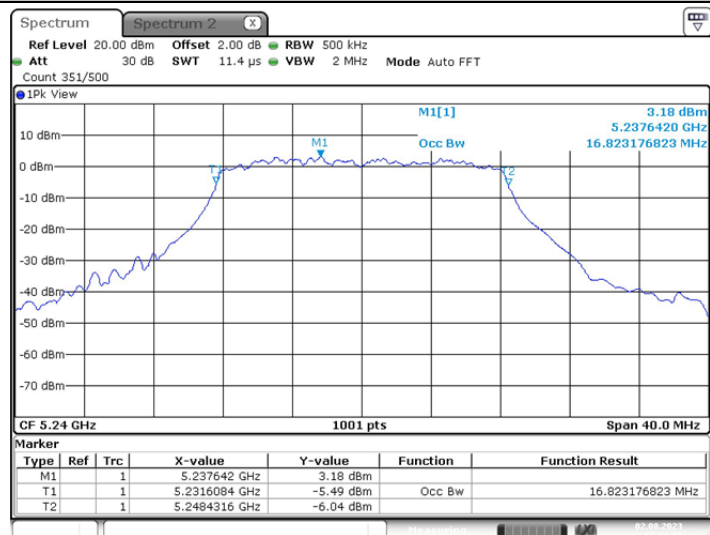
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802.11a_5200



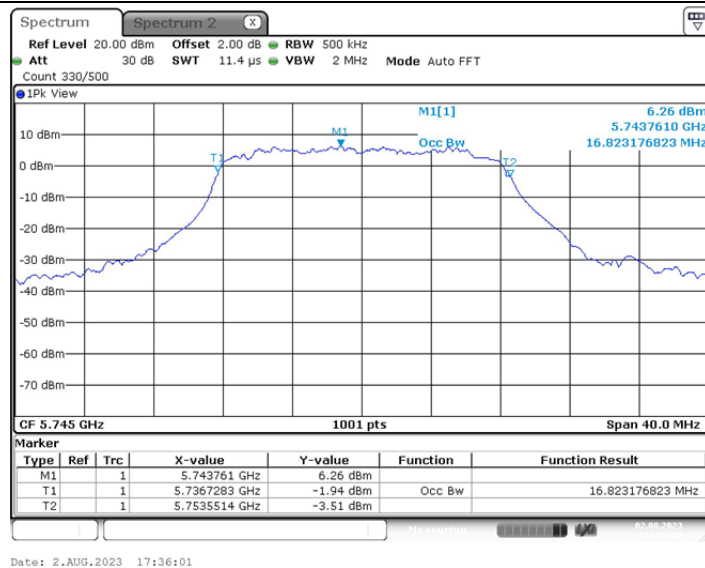
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802.11a_5240

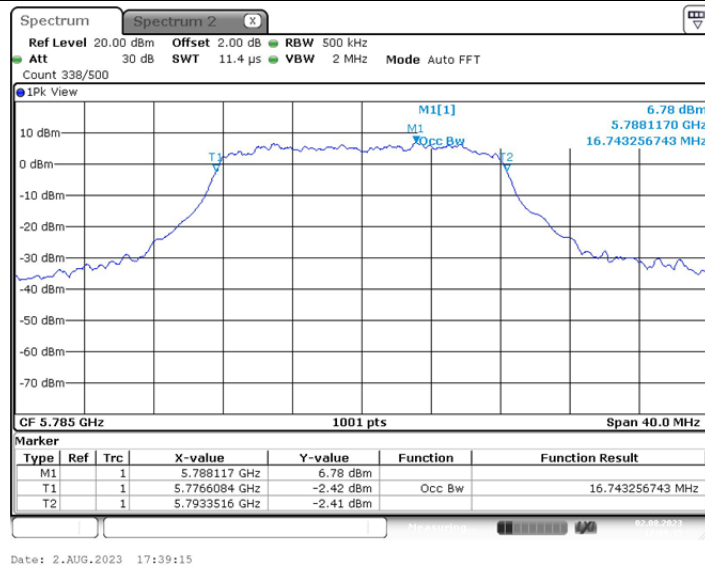


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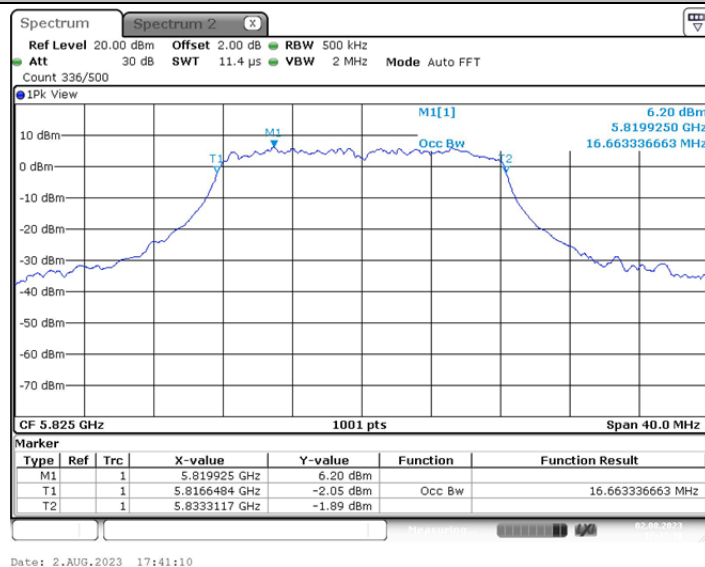
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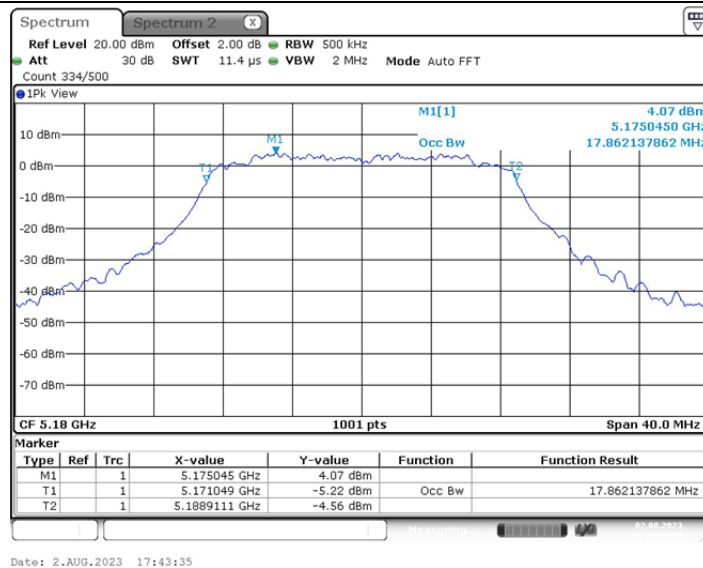
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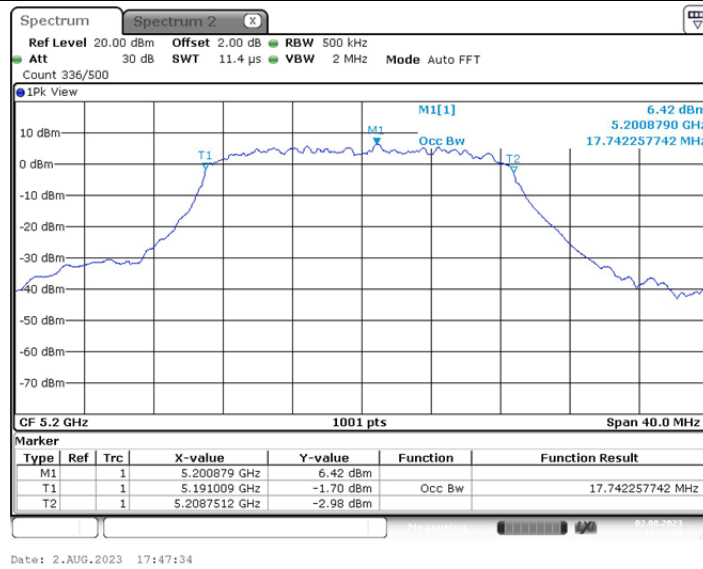
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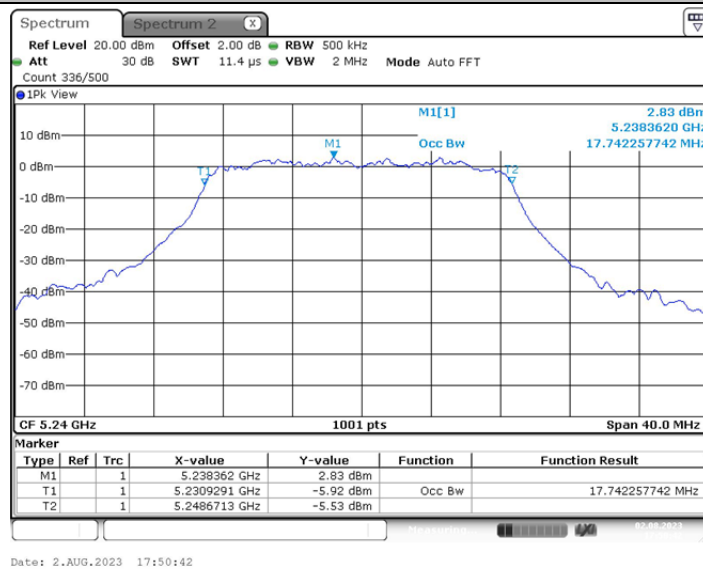
802.11n(HT20)_5180



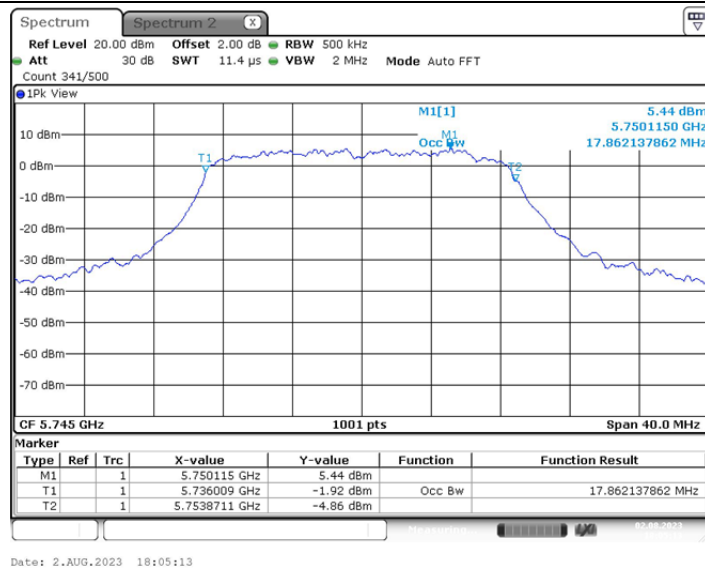
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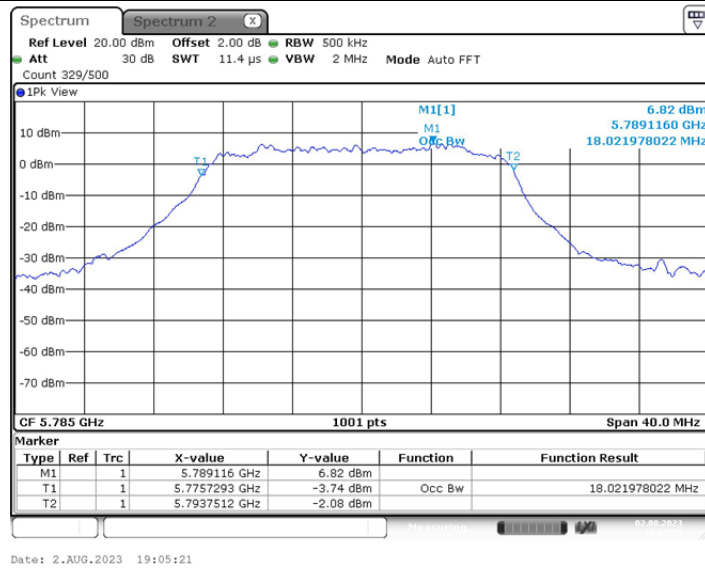
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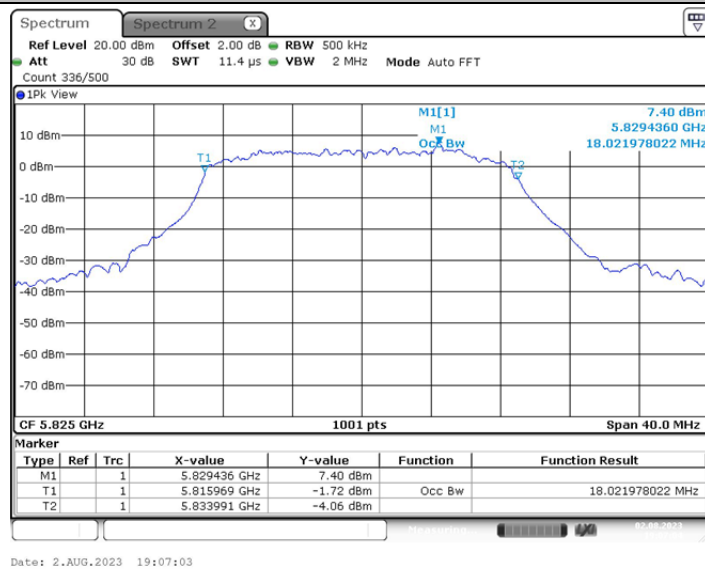
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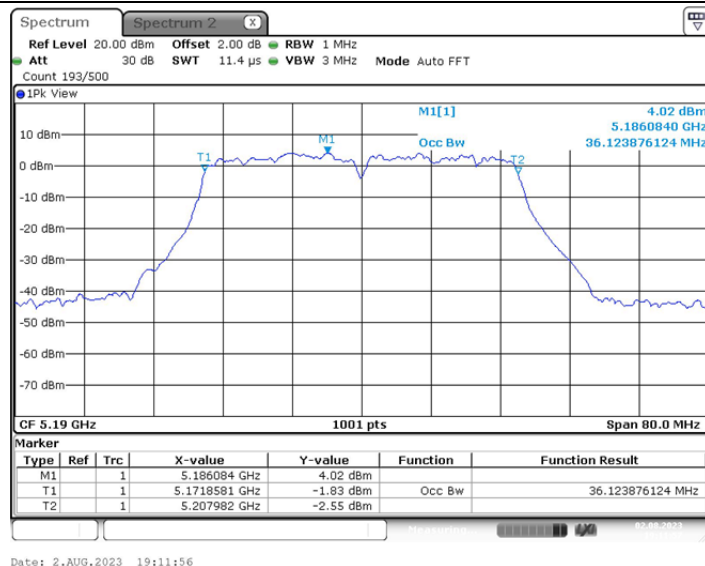
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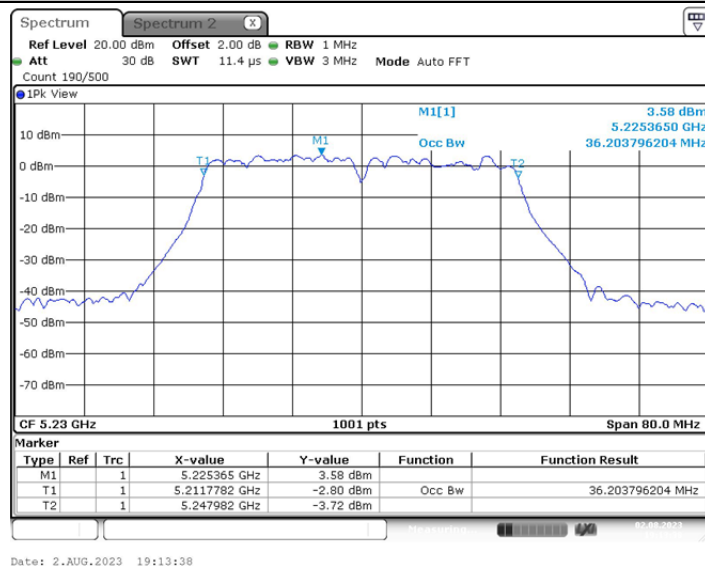
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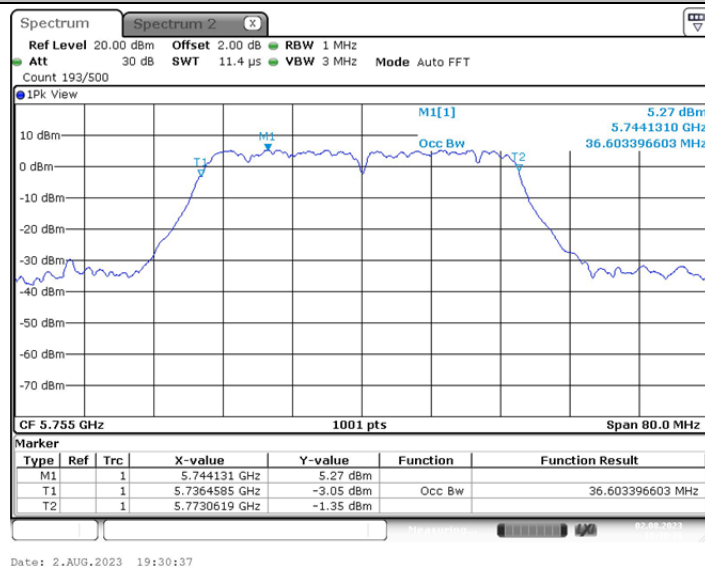
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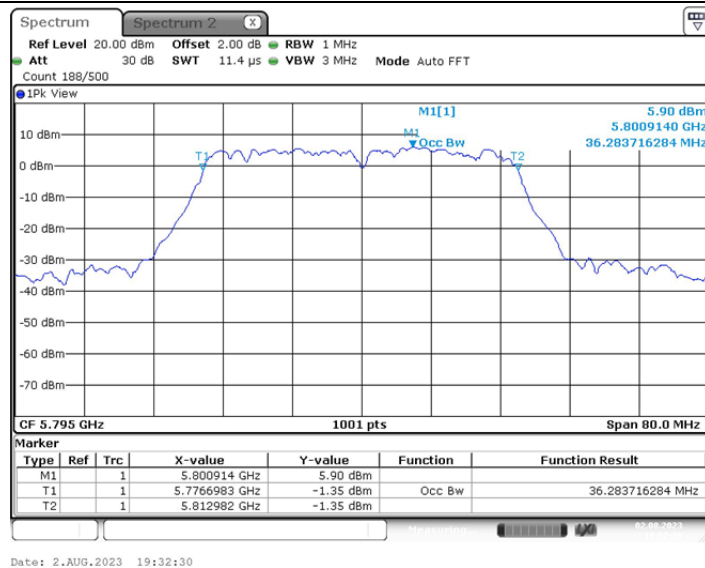
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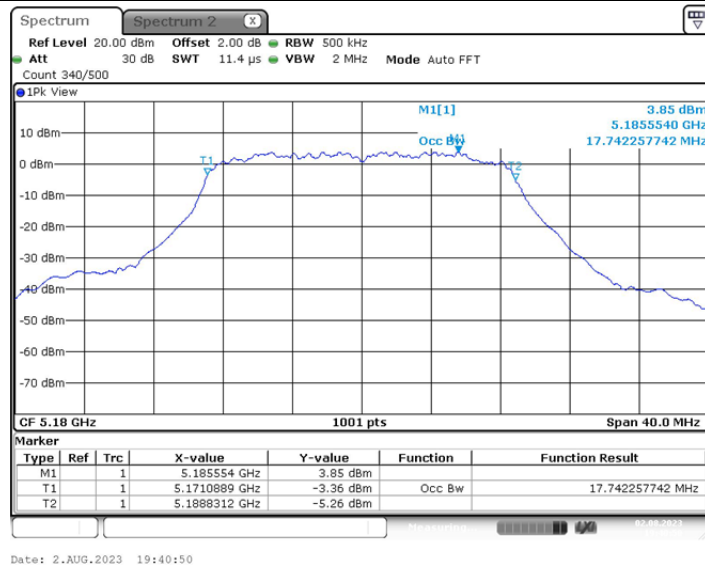
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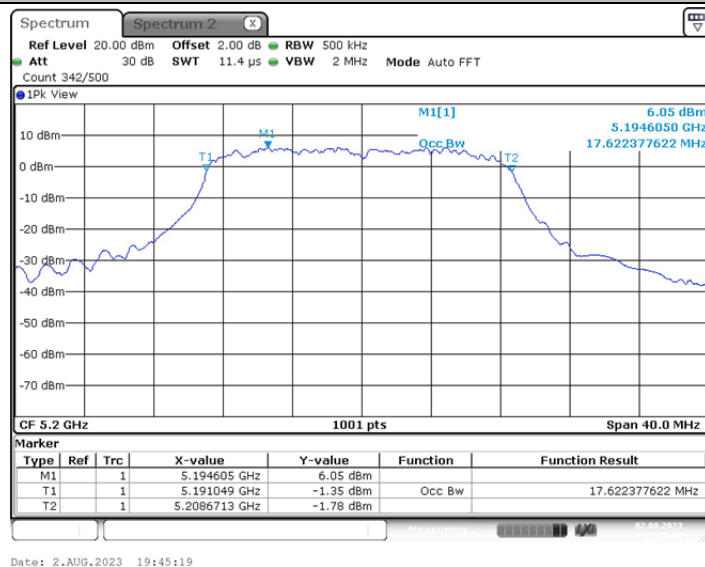
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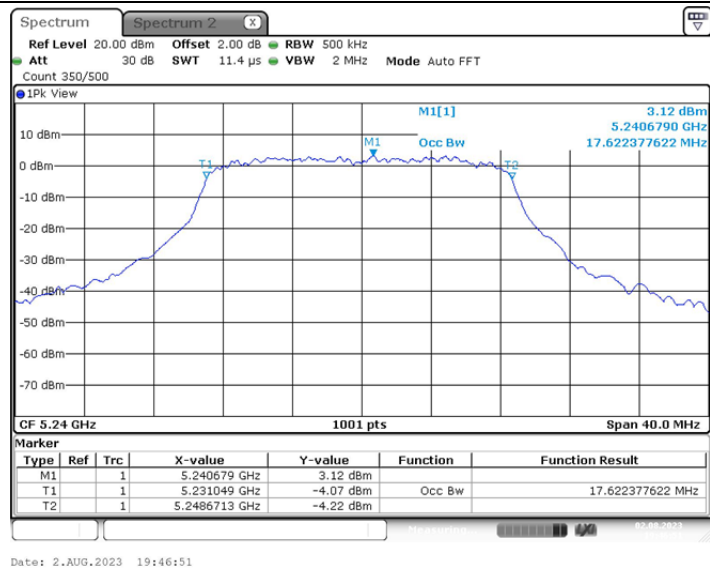
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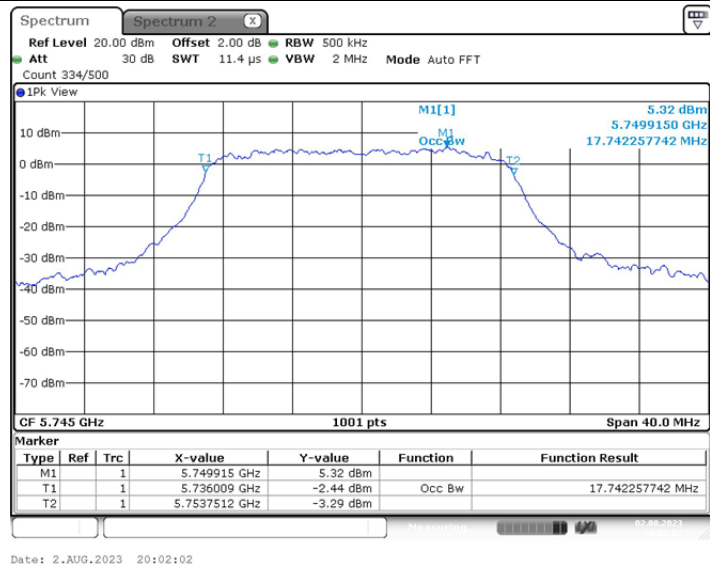
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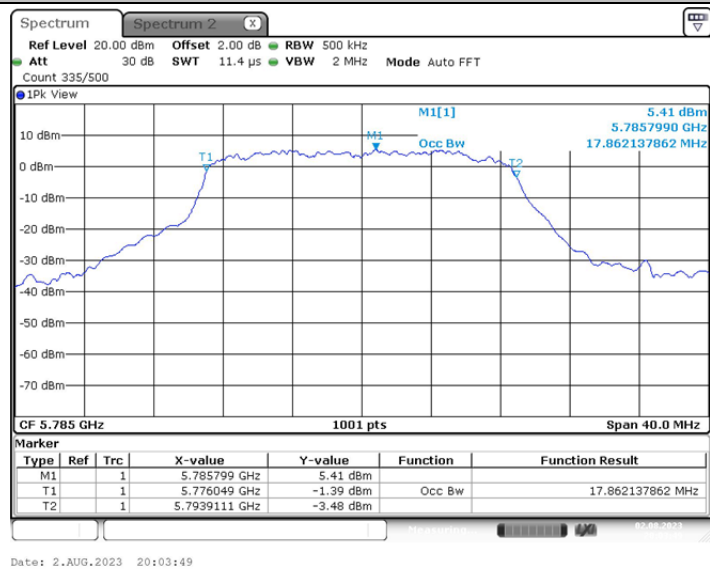
802.11ac(VHT20)_5240



802.11ac(VHT20)_5745



802.11ac(VHT20)_5785



802.11ac(VHT20)_5825