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Appendix for 5G WIFI

Applicant: Imin Technology Pte Ltd

**Address: 11 Bishan Street 21, #03-05 Bosch Building, Singapore
573943**

Product Name: Mobile POS

Model: I21M01

FCC ID: 2AYD5-I21M01

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Appendix A1: Emission Bandwidth

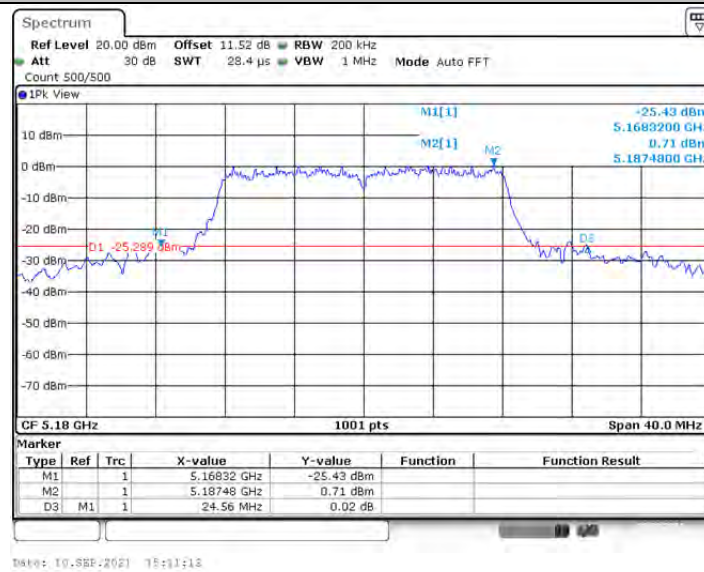
Test Result

Test Mode	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Verdict
802.11a	5180	24.560	5168.320	5192.880	PASS
	5200	21.960	5187.720	5209.680	PASS
	5240	20.240	5229.520	5249.760	PASS
	5260	21.640	5249.880	5271.520	PASS
	5280	21.480	5270.200	5291.680	PASS
	5320	24.480	5305.160	5329.640	PASS
	5500	19.480	5490.080	5509.560	PASS
	5580	22.360	5570.200	5592.560	PASS
	5700	19.520	5690.160	5709.680	PASS
	5745	23.240	5733.680	5756.920	PASS
	5785	20.360	5774.240	5794.600	PASS
	5825	21.920	5813.200	5835.120	PASS
802.11n(HT20)	5180	22.680	5169.680	5192.360	PASS
	5200	20.960	5189.040	5210.000	PASS
	5240	20.240	5229.960	5250.200	PASS
	5260	24.280	5250.120	5274.400	PASS
	5280	22.600	5267.400	5290.000	PASS
	5320	24.080	5309.640	5333.720	PASS
	5500	23.000	5489.000	5512.000	PASS
	5580	23.960	5567.520	5591.480	PASS
	5700	27.000	5686.840	5713.840	PASS
	5745	21.120	5734.160	5755.280	PASS
	5785	29.040	5769.480	5798.520	PASS
	5825	25.040	5811.600	5836.640	PASS
802.11n(HT40)	5190	50.960	5170.080	5221.040	PASS
	5230	41.600	5210.160	5251.760	PASS
	5270	41.280	5250.080	5291.360	PASS
	5310	41.360	5289.920	5331.280	PASS
	5510	49.760	5481.760	5531.520	PASS
	5550	51.840	5521.920	5573.760	PASS
	5670	39.600	5650.160	5689.760	PASS
	5755	39.360	5735.080	5774.440	PASS
	5795	39.520	5775.160	5814.680	PASS
802.11ac(VHT20)	5180	24.280	5169.280	5193.560	PASS
	5200	27.280	5186.320	5213.600	PASS
	5240	25.280	5225.040	5250.320	PASS
	5260	26.360	5246.760	5273.120	PASS
	5280	26.120	5264.200	5290.320	PASS
	5320	25.960	5305.160	5331.120	PASS
	5500	26.280	5485.920	5512.200	PASS
	5580	23.960	5566.280	5590.240	PASS

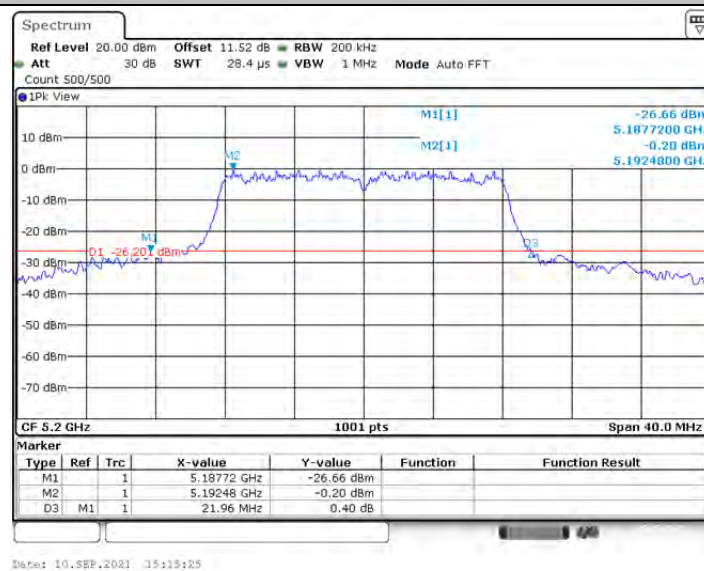
	5700	25.000	5687.560	5712.560	PASS
	5745	24.160	5733.240	5757.400	PASS
	5785	19.800	5775.040	5794.840	PASS
	5825	20.600	5814.720	5835.320	PASS
802.11ac(VHT40)	5190	45.920	5166.640	5212.560	PASS
	5230	40.320	5209.600	5249.920	PASS
	5270	39.680	5250.160	5289.840	PASS
	5310	51.680	5283.280	5334.960	PASS
	5510	51.760	5483.040	5534.800	PASS
	5550	51.440	5523.440	5574.880	PASS
	5670	42.240	5647.680	5689.920	PASS
	5755	41.600	5733.240	5774.840	PASS
	5795	43.280	5772.680	5815.960	PASS
802.11ac(VHT80)	5210	84.000	5170.160	5254.160	PASS
	5290	79.840	5250.160	5330.000	PASS
	5530	83.040	5486.640	5569.680	PASS
	5610	86.240	5570.480	5656.720	PASS
	5775	86.080	5646.480	5732.560	PASS

Test Graphs

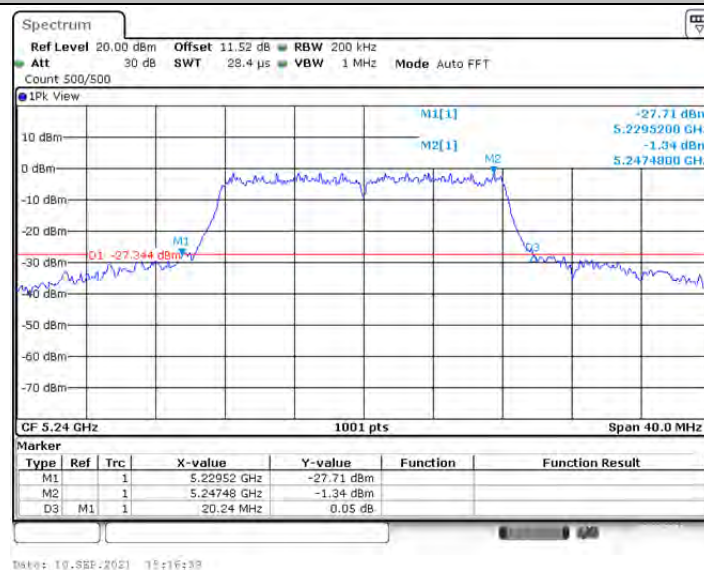
802.11a_5180



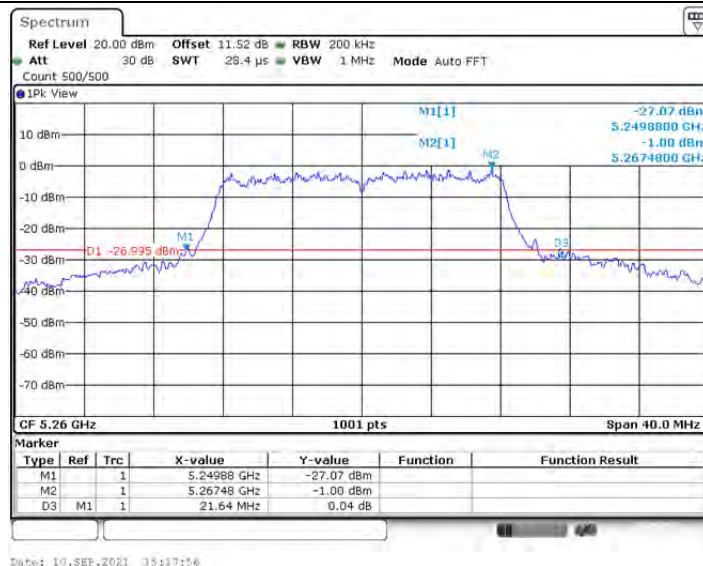
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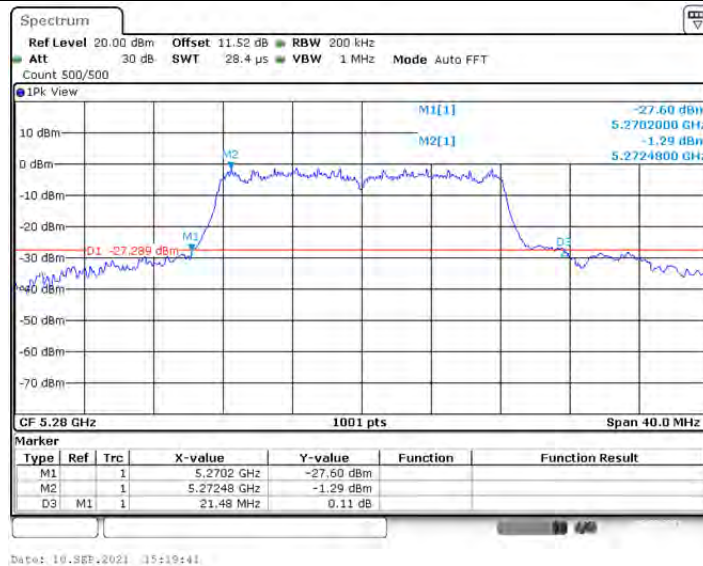
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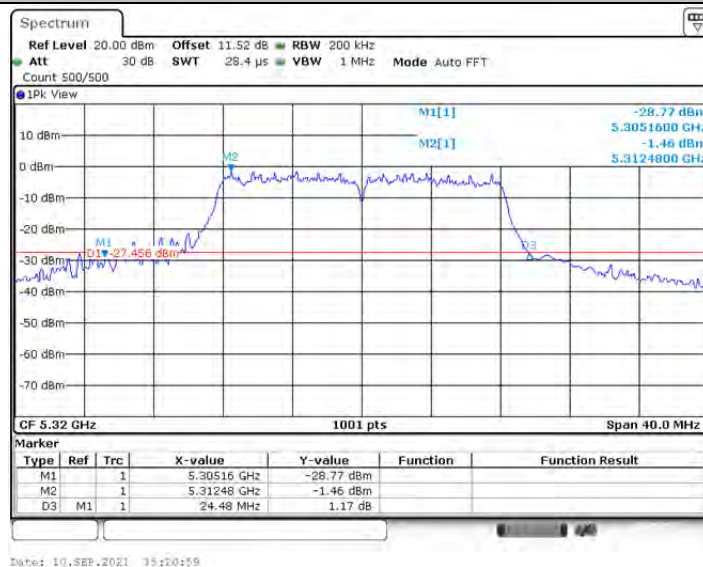
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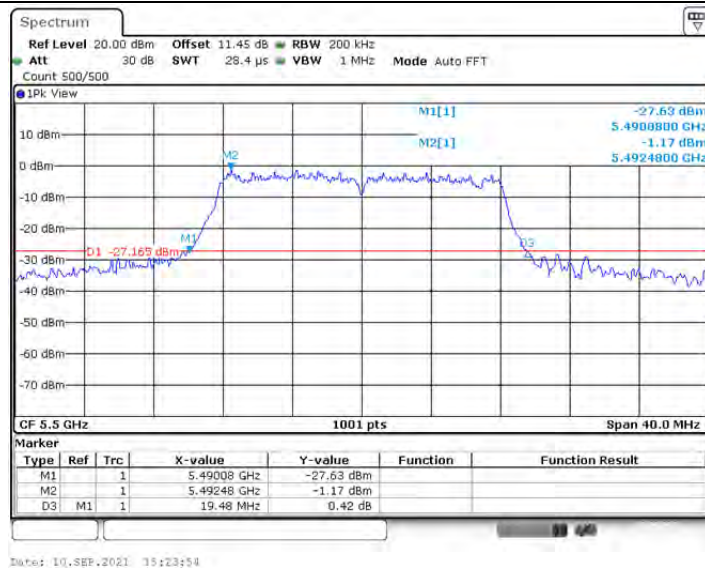
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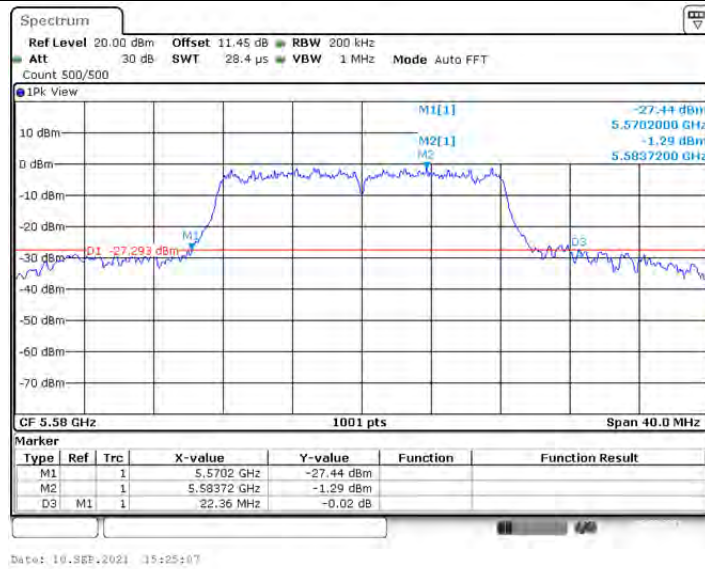
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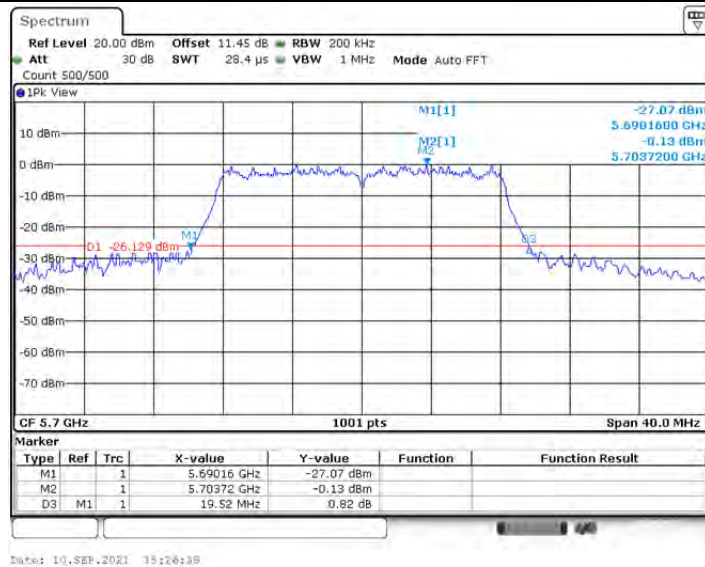
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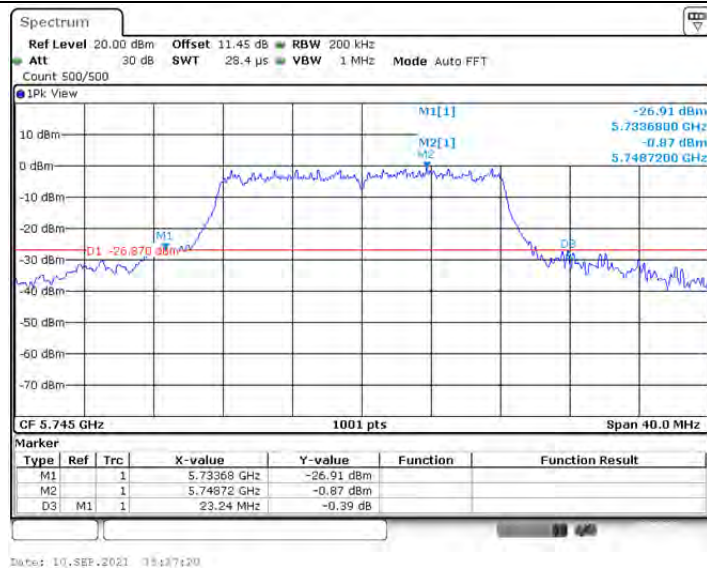
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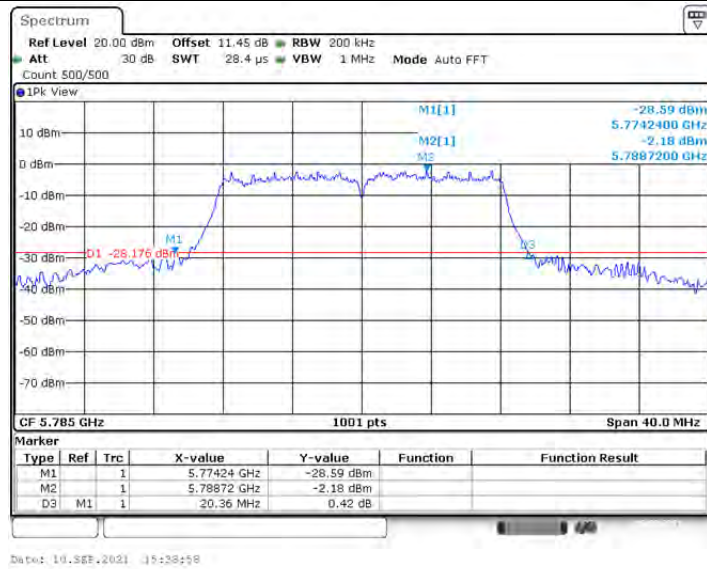
802.11a_5700



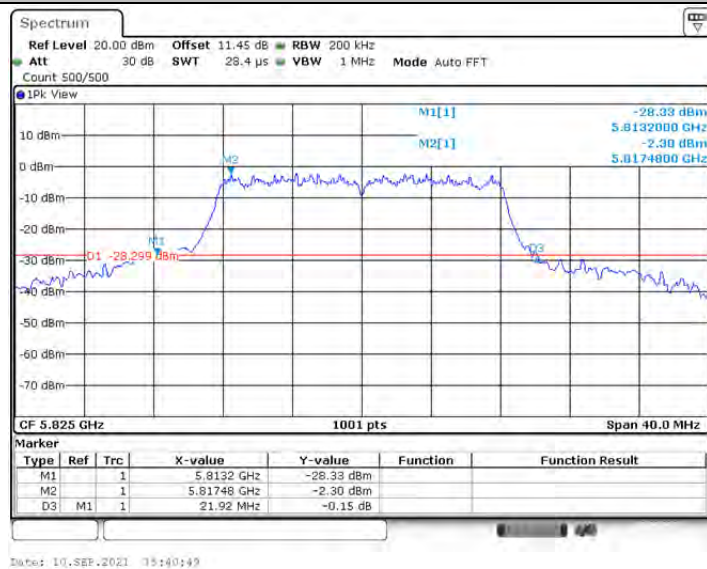
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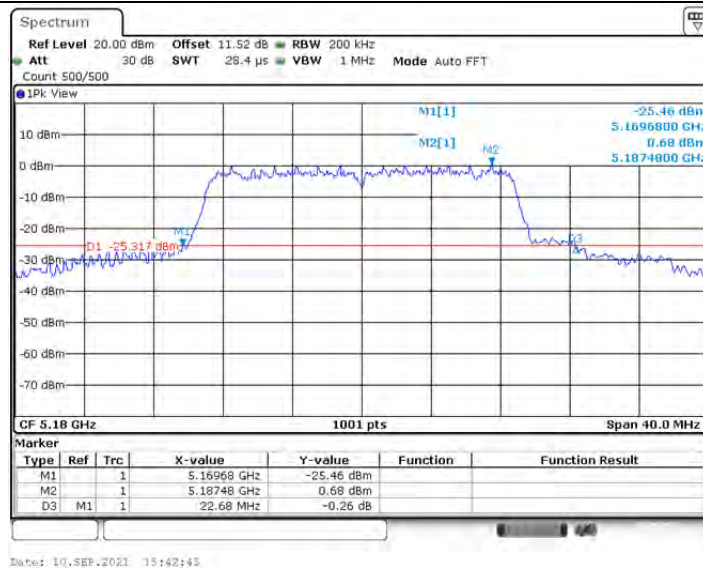
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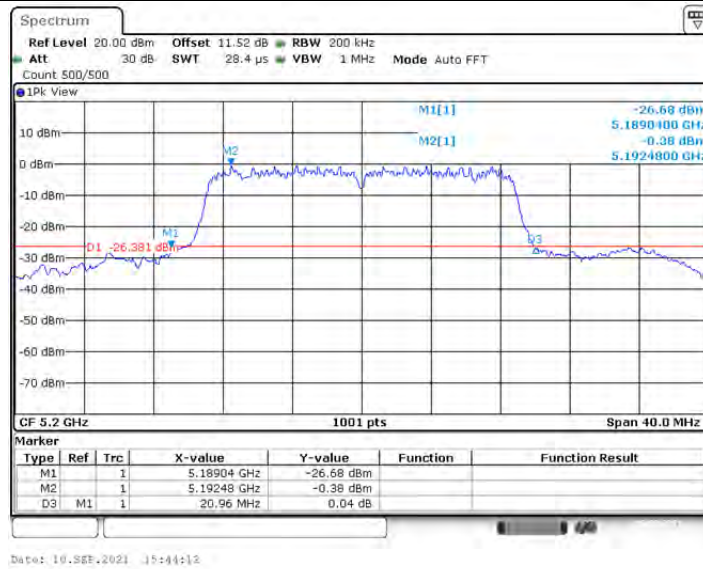
802.11a_5825



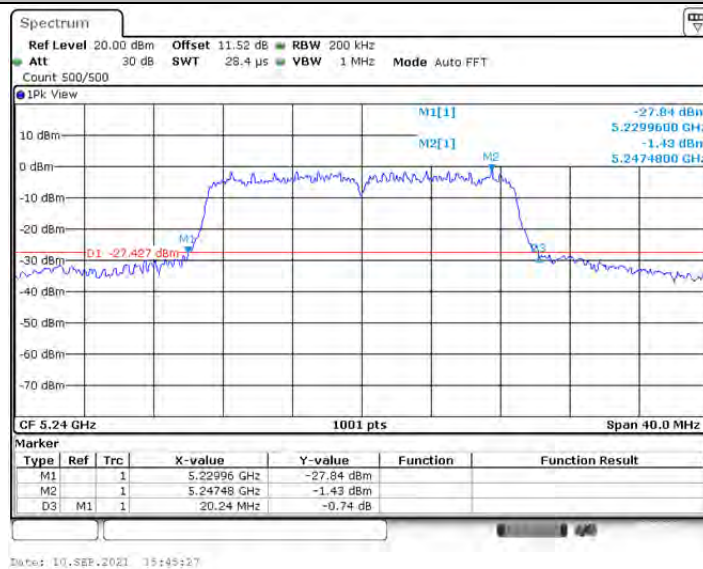
802.11n(HT20)_5180



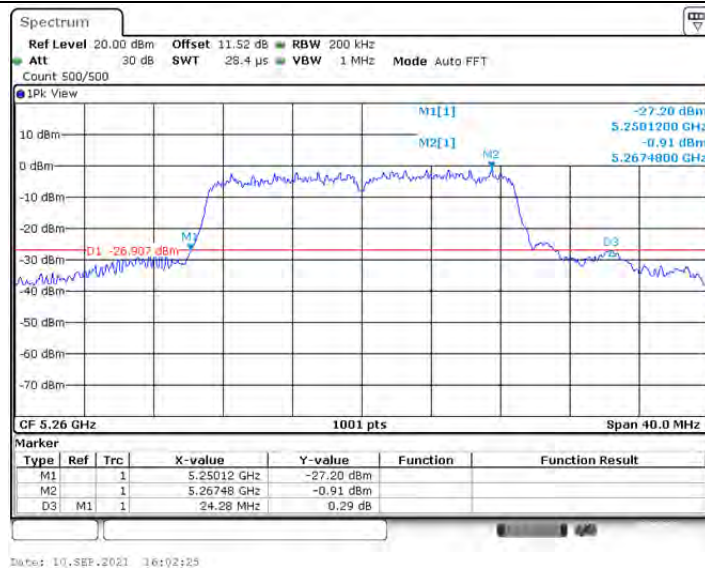
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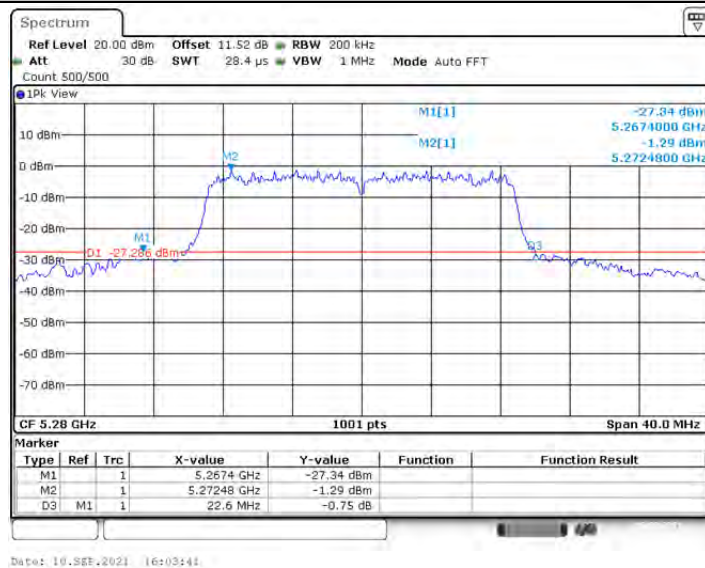
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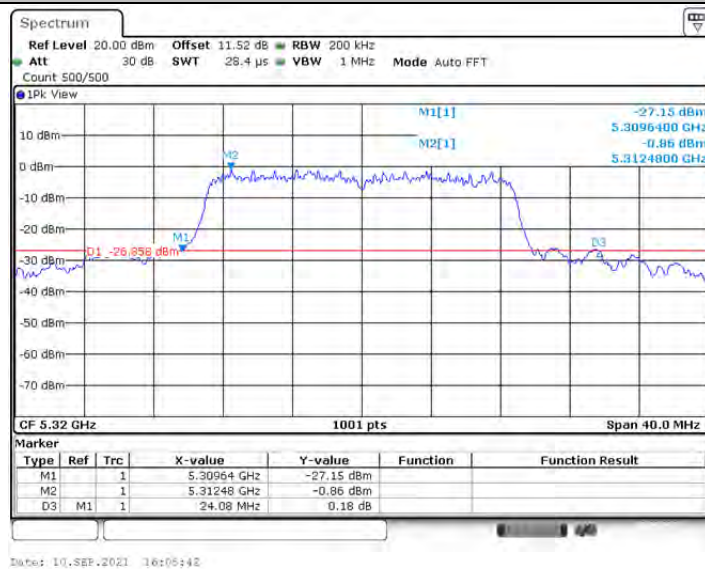
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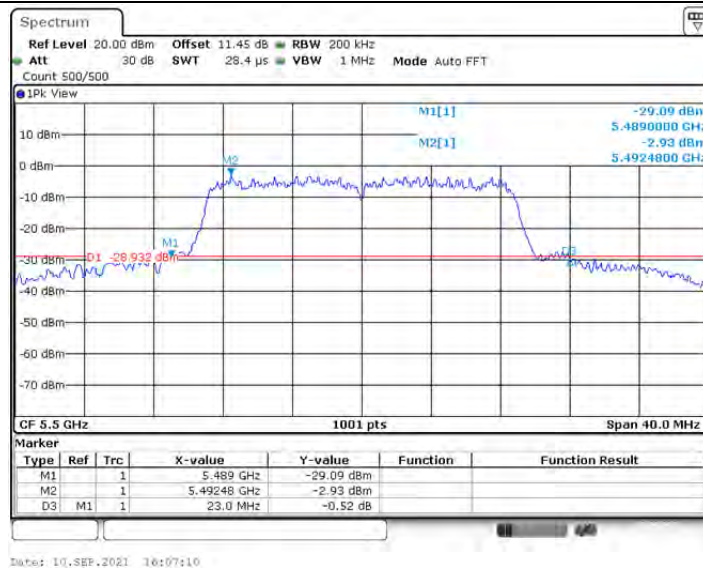
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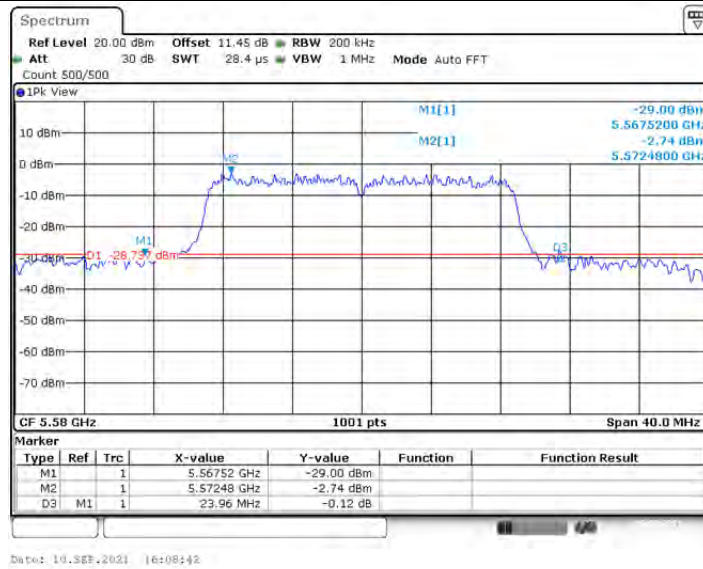
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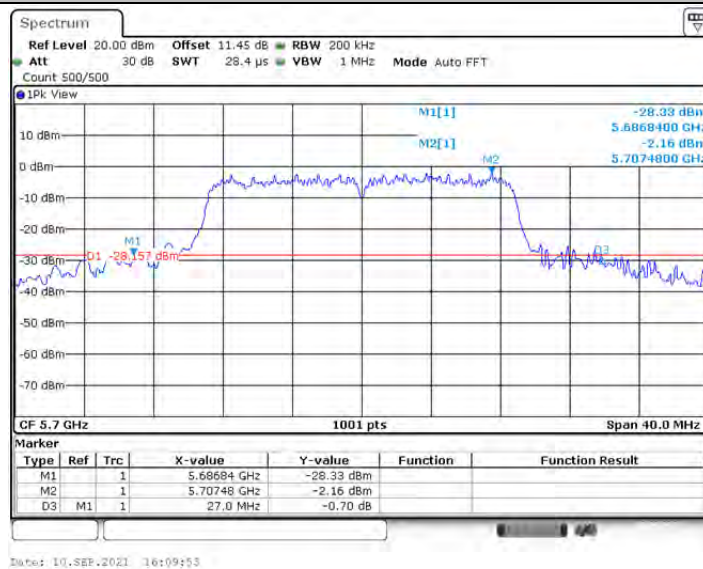
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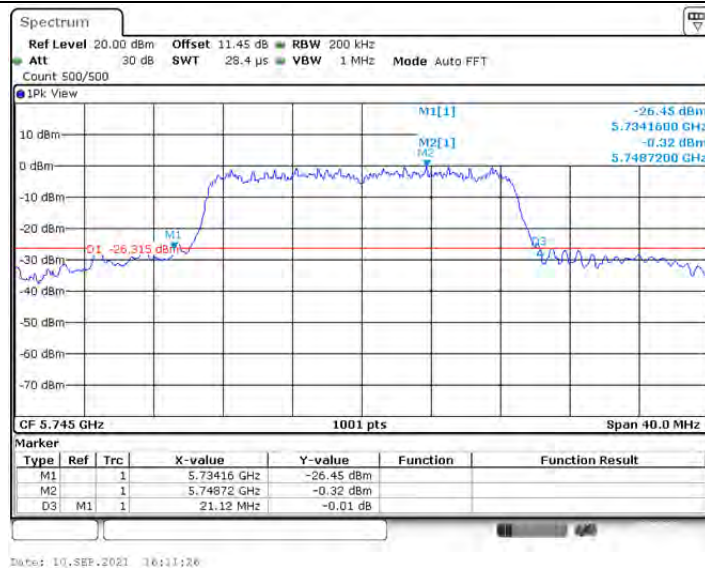
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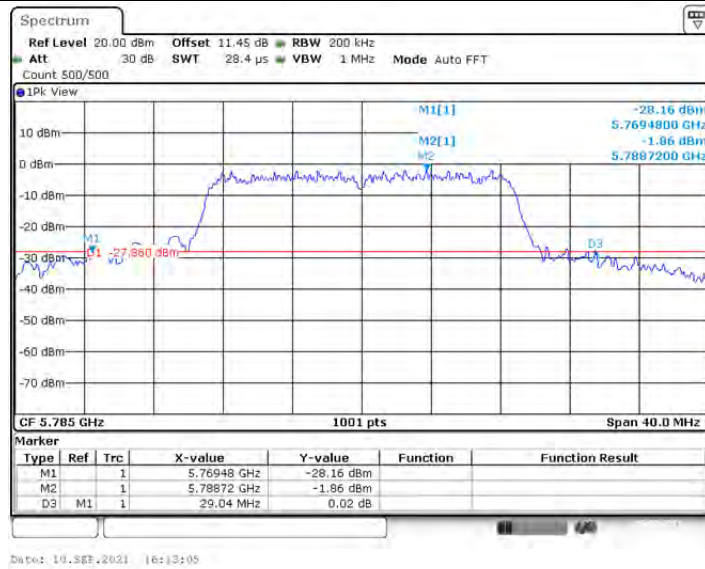
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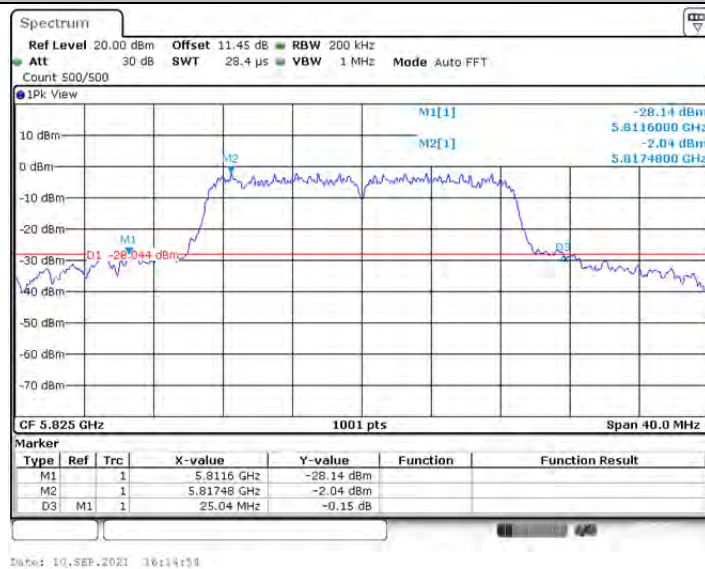
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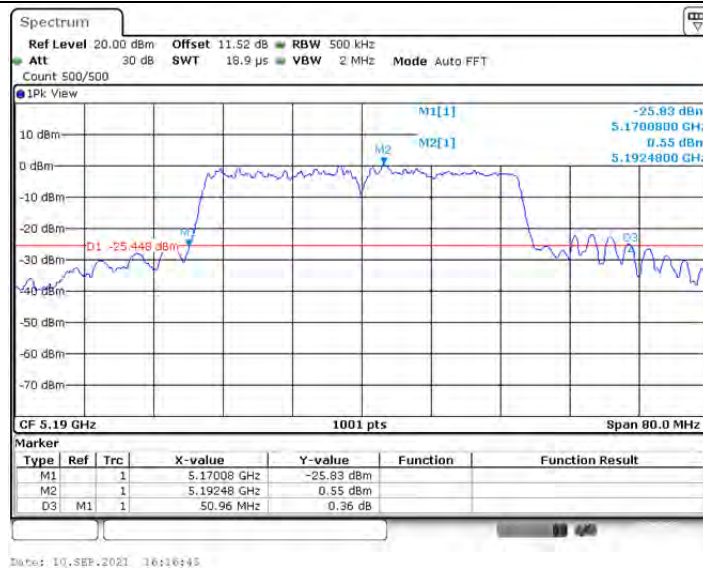
802.11n(HT20)_5785



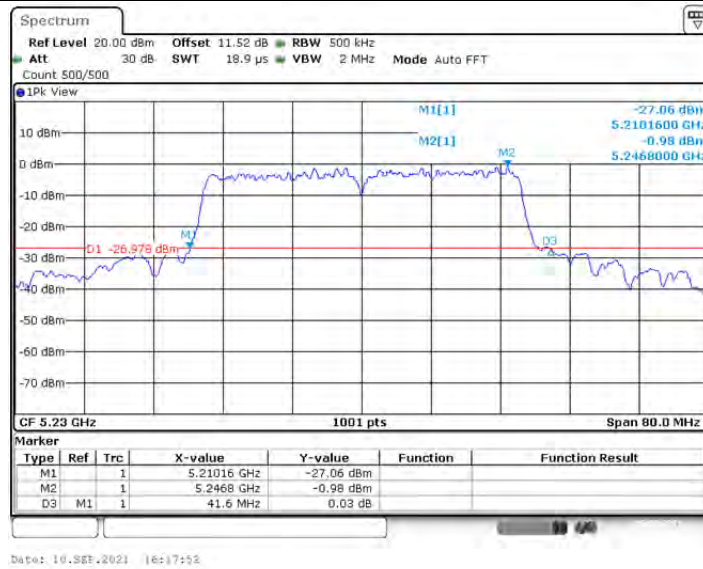
802.11n(HT20)_5825



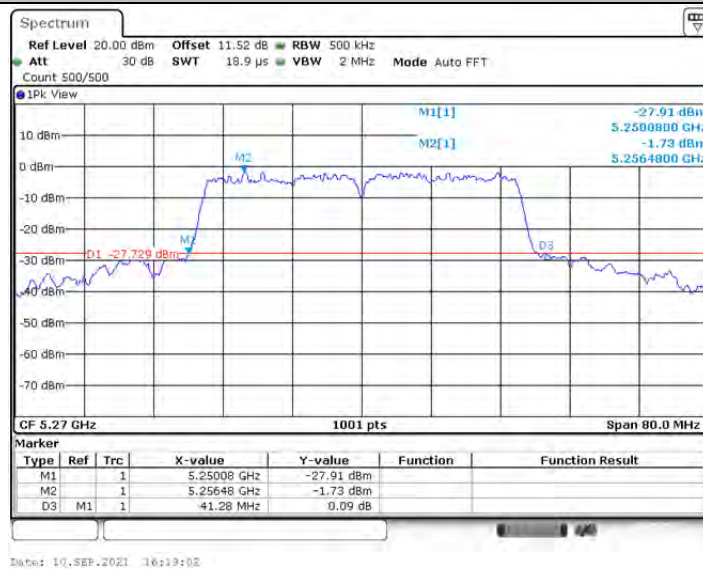
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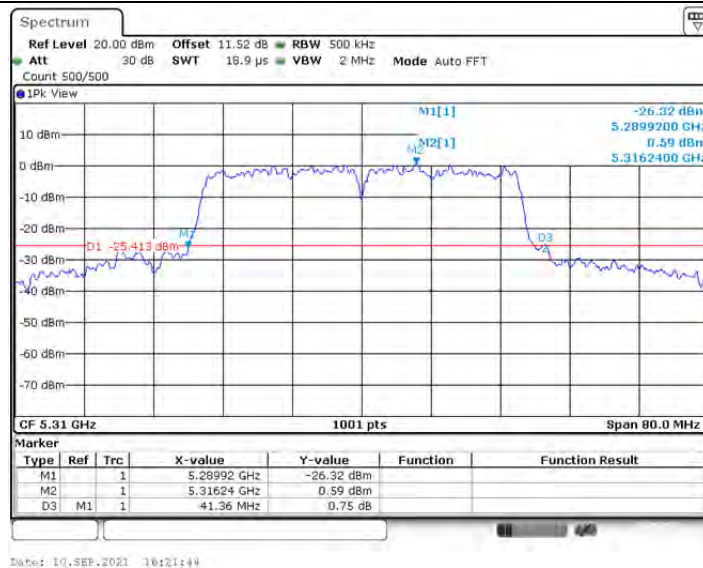
802.11n(HT40)_5230



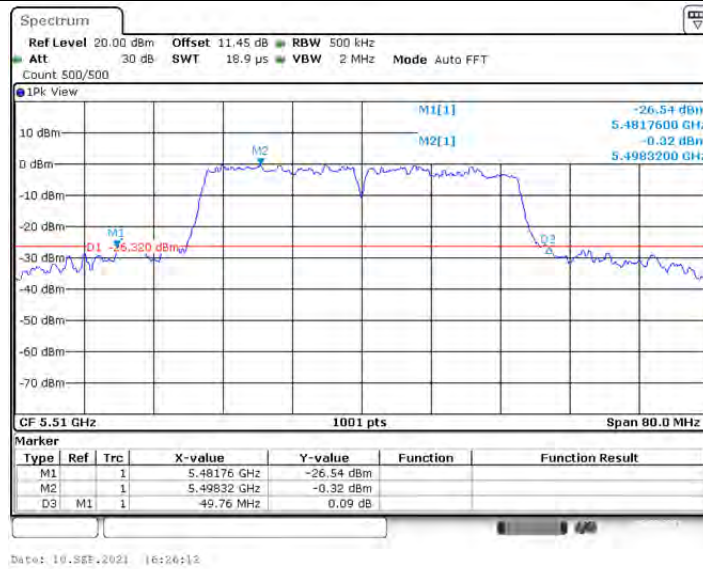
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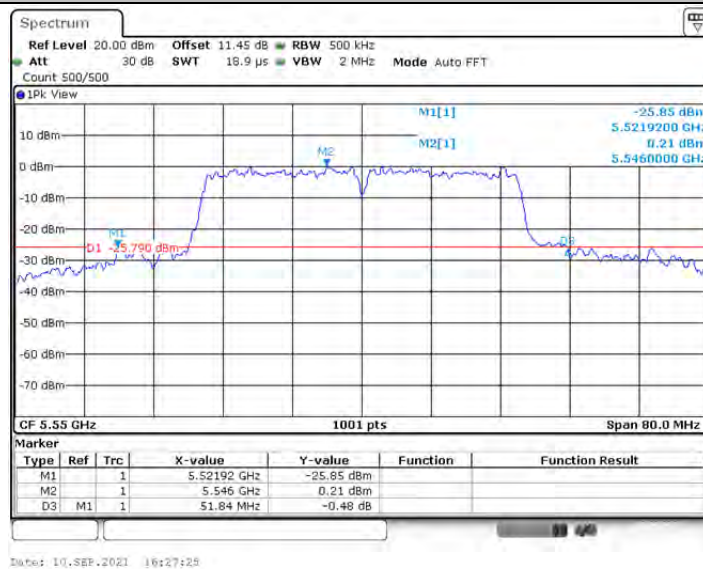
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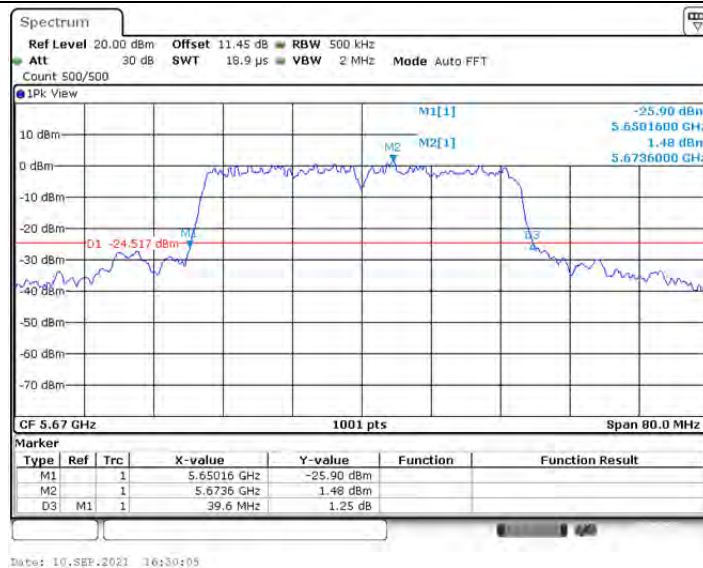
802.11n(HT40)_5510



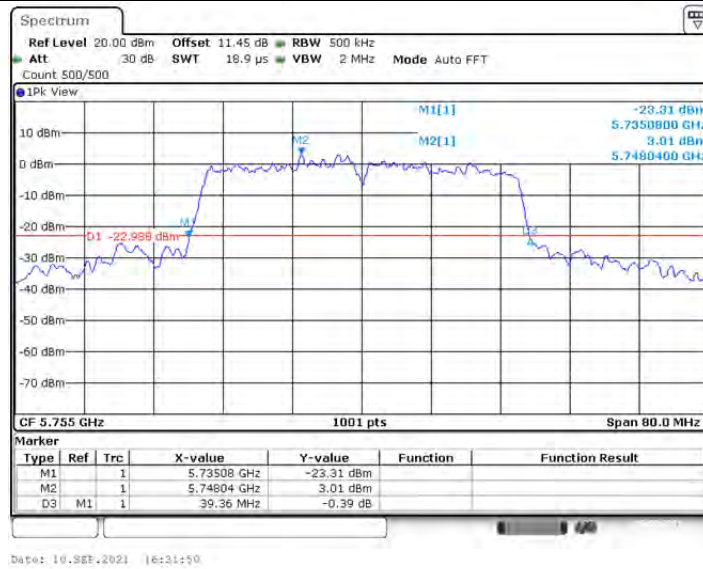
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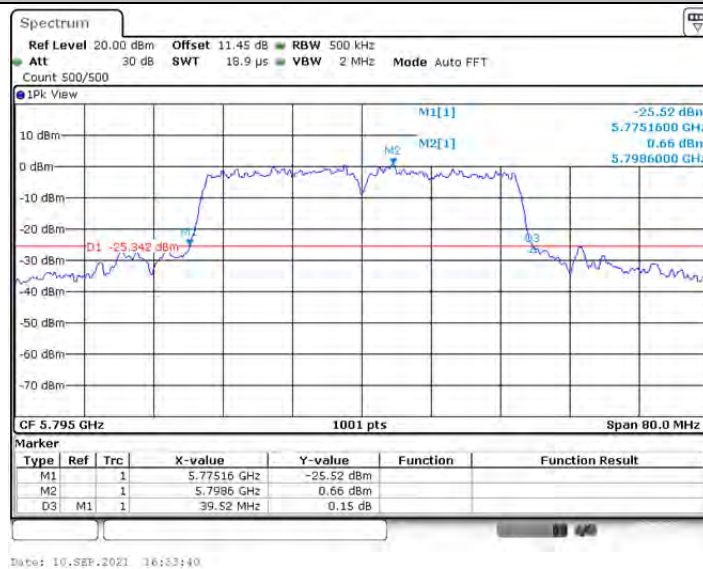
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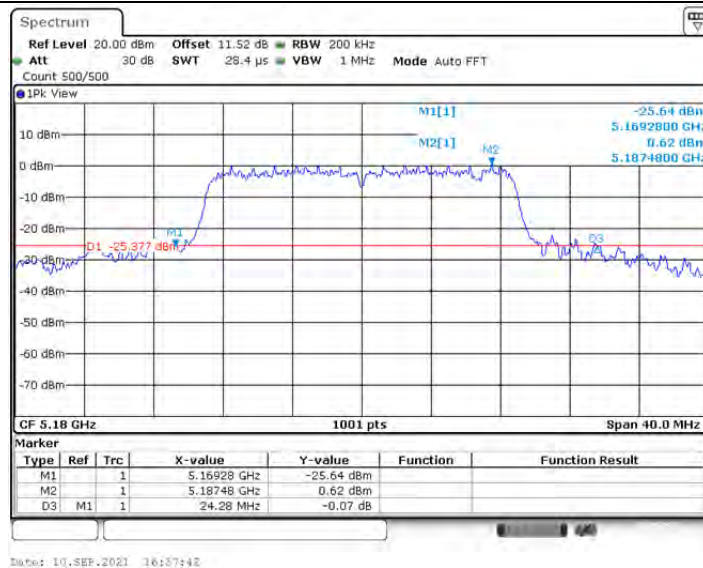
802.11n(HT40)_5755



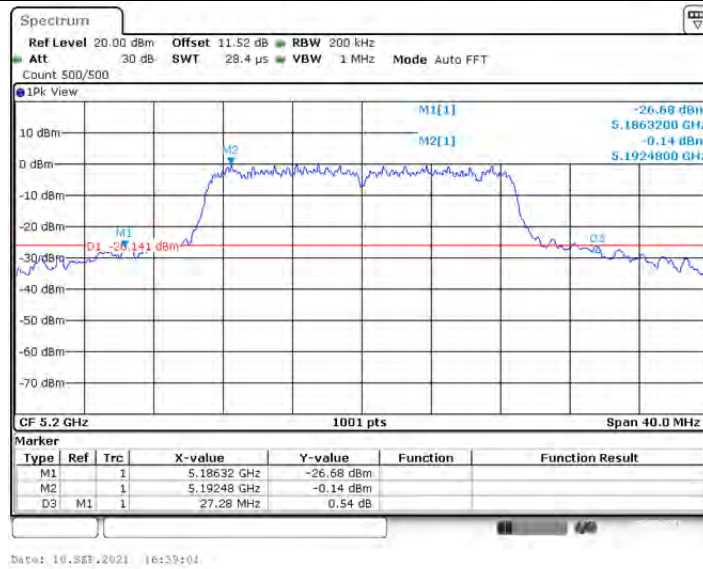
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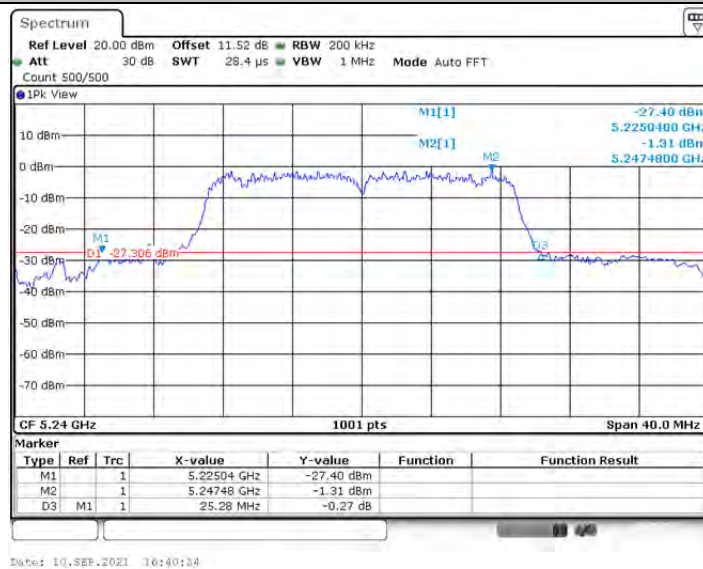
802.11ac(VHT20)_5180



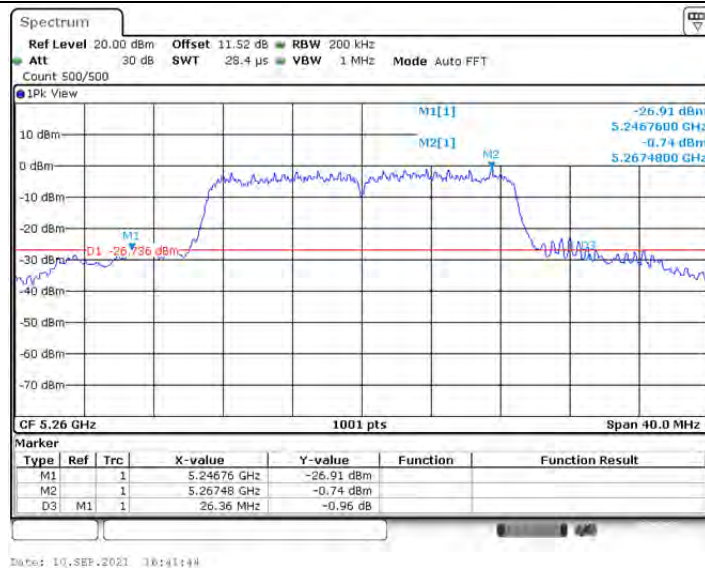
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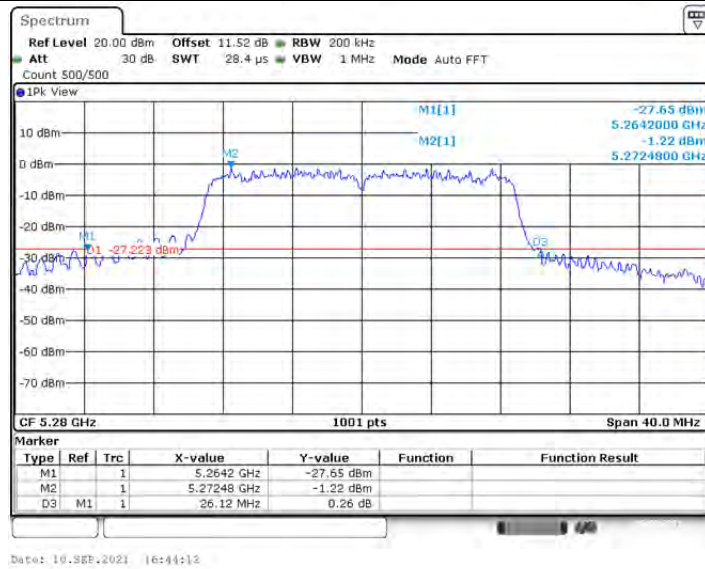
802.11ac(VHT20)_5240



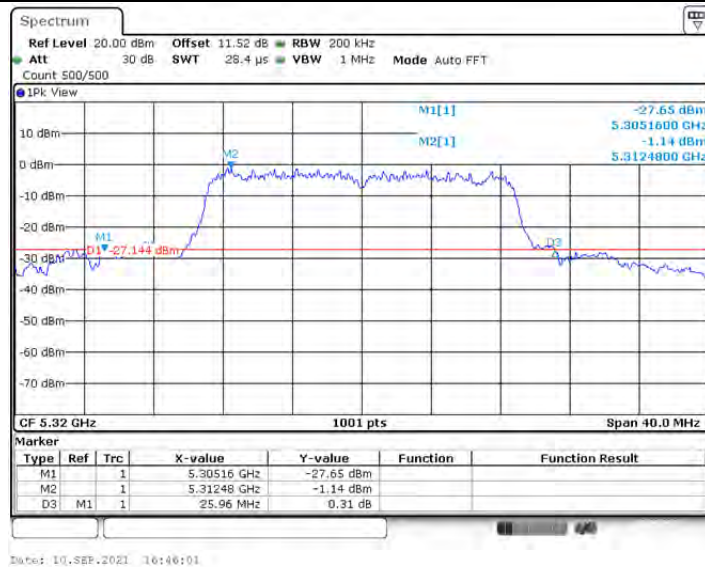
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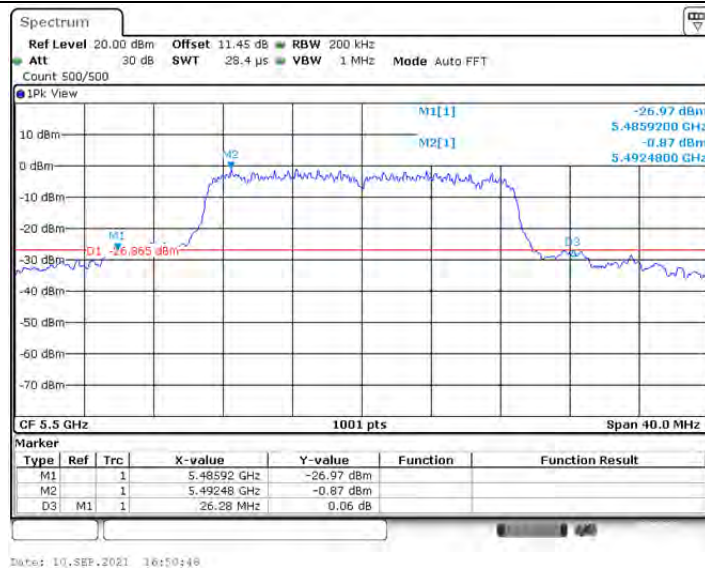
802.11ac(VHT20)_5280



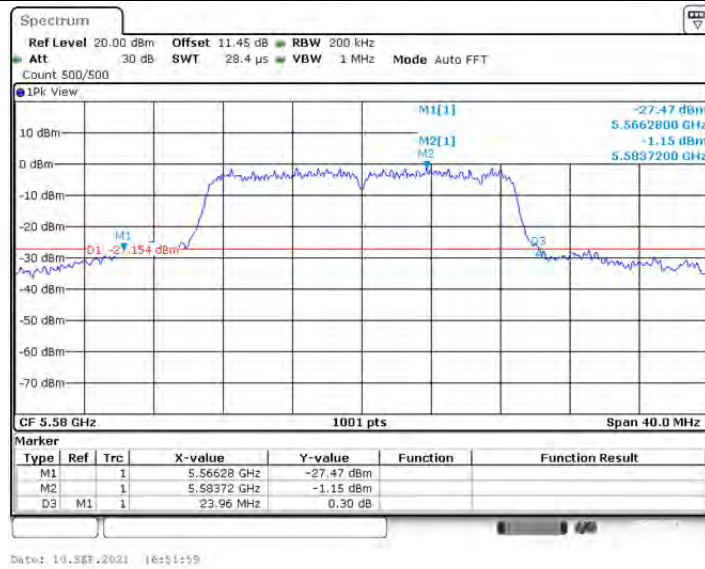
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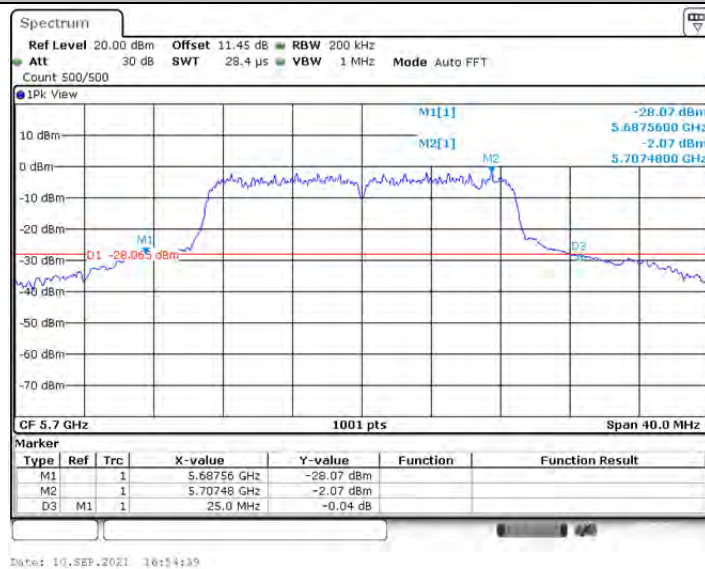
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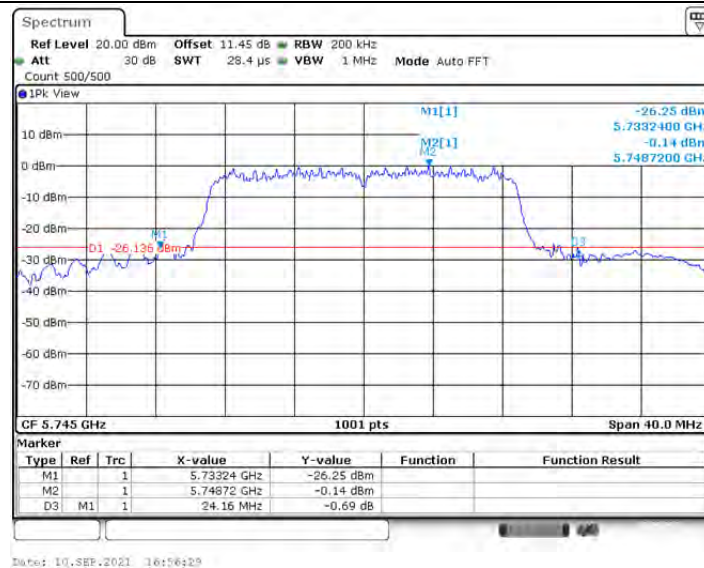
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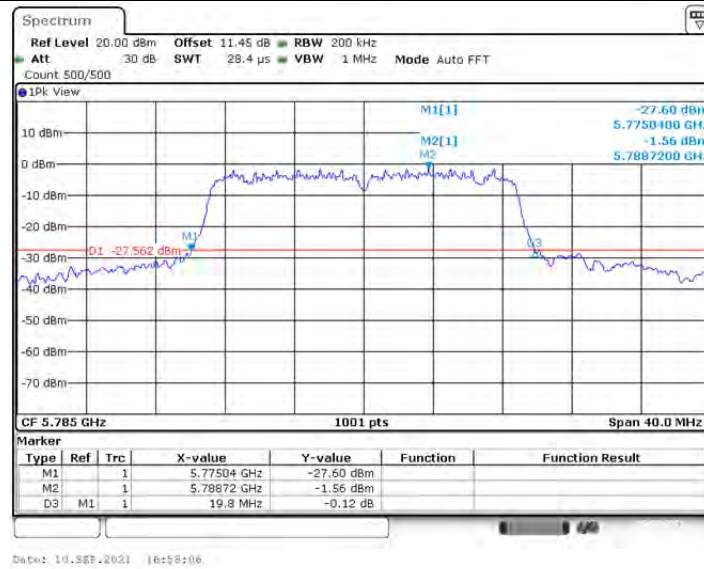
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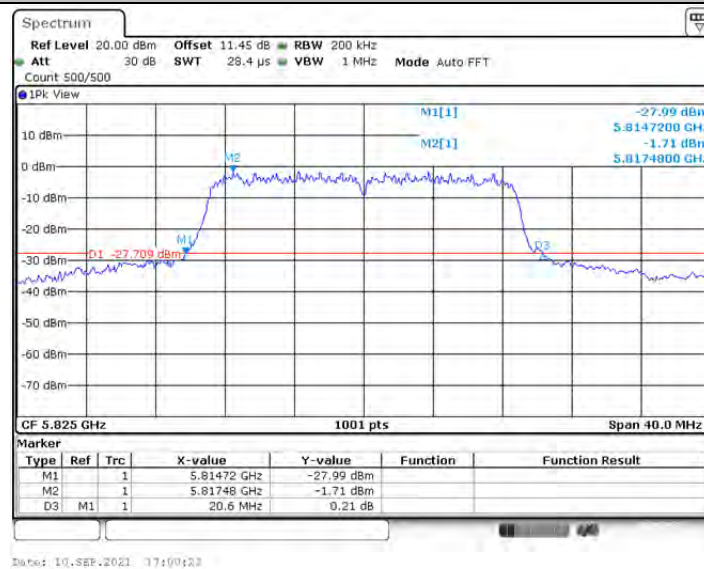
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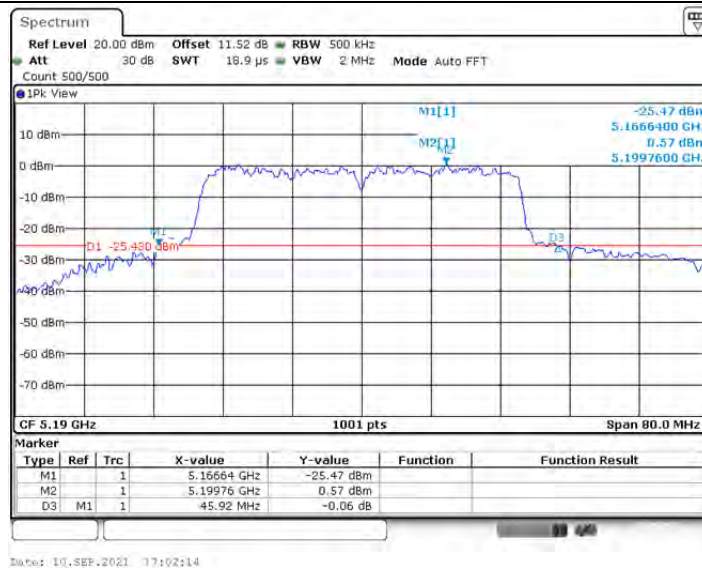
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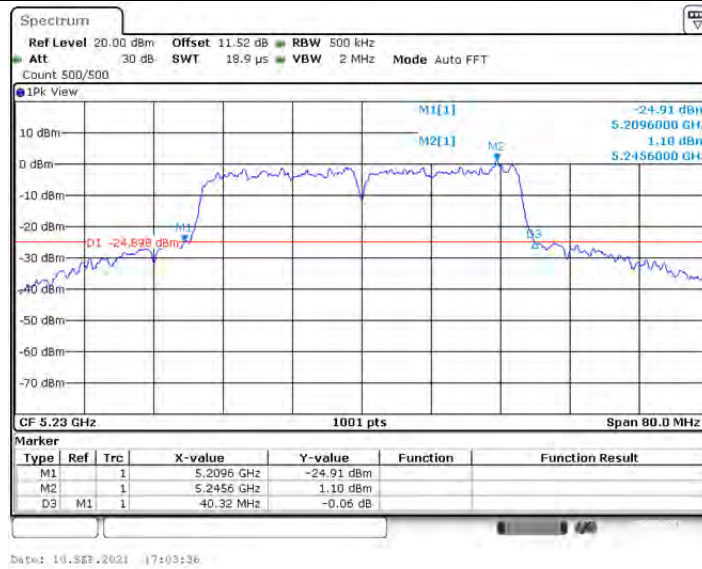
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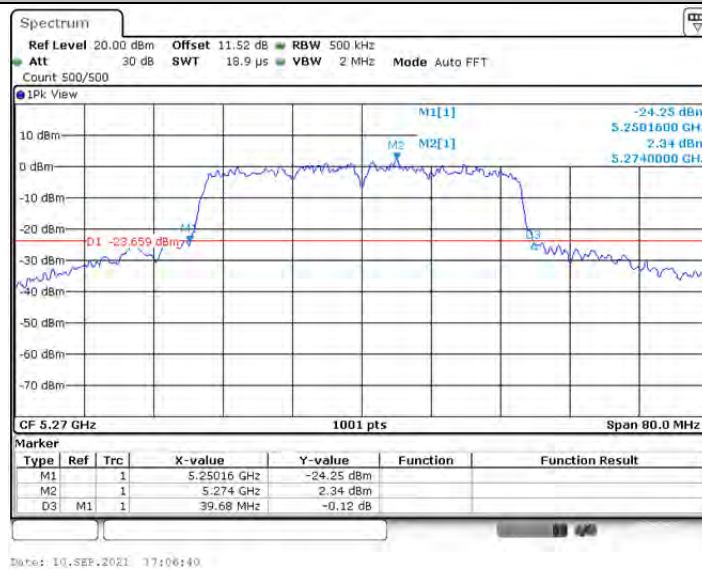
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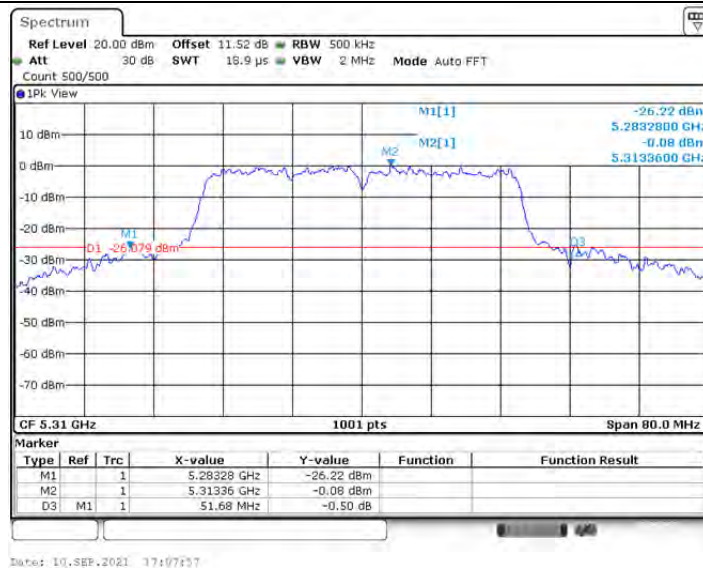
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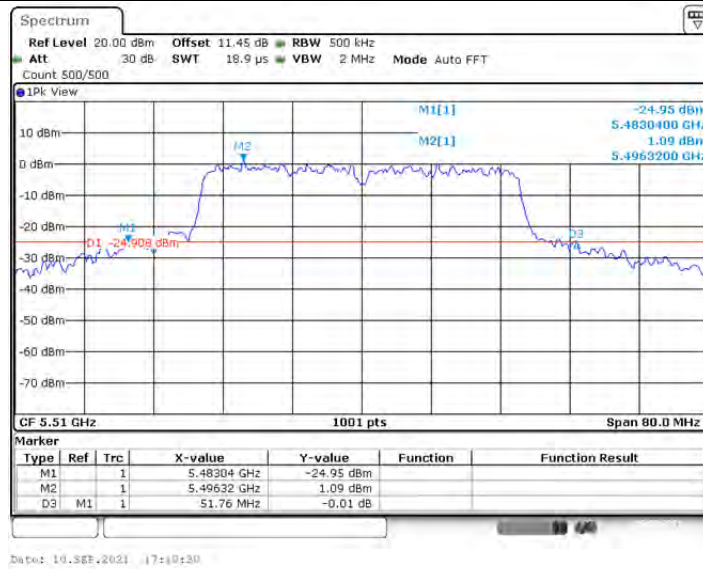
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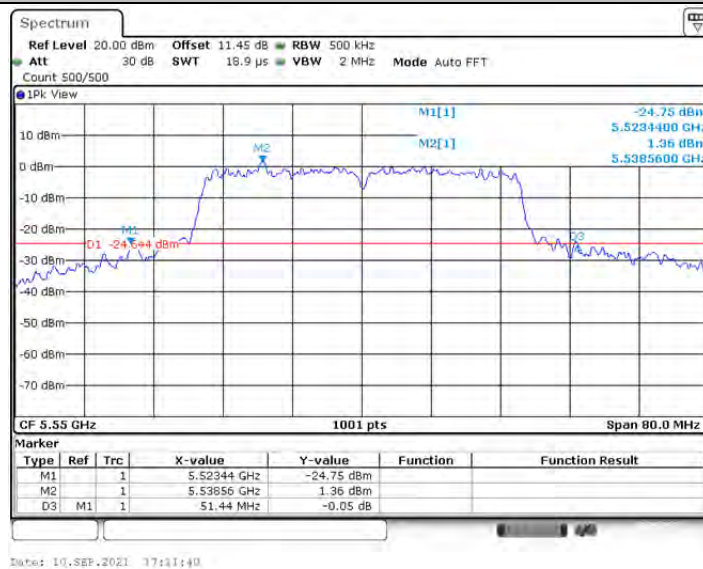
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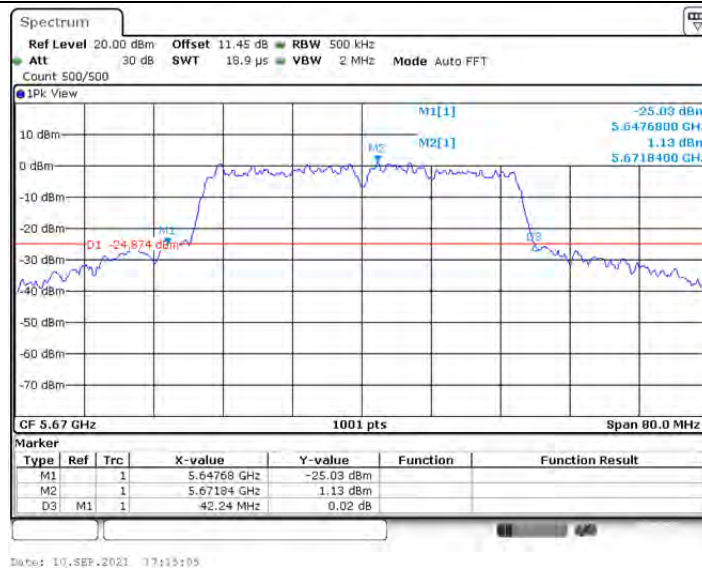
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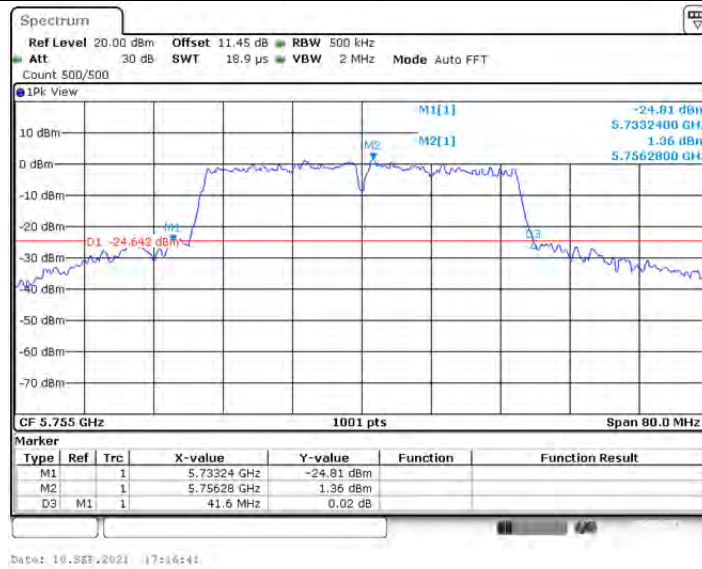
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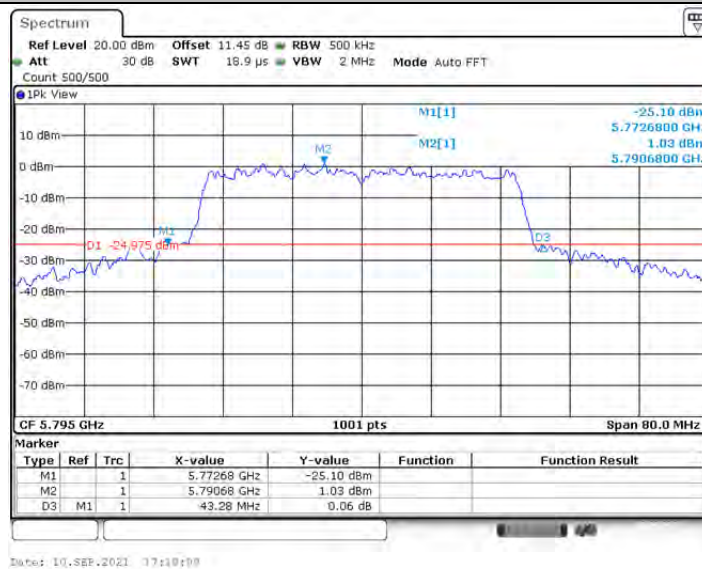
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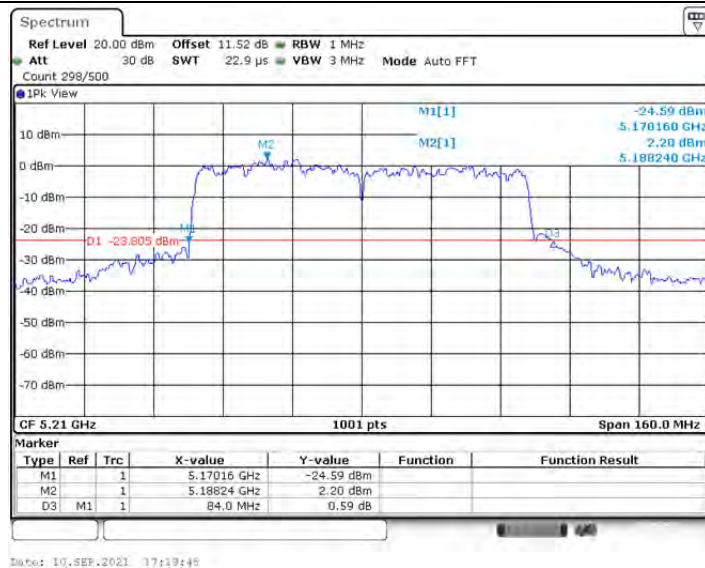
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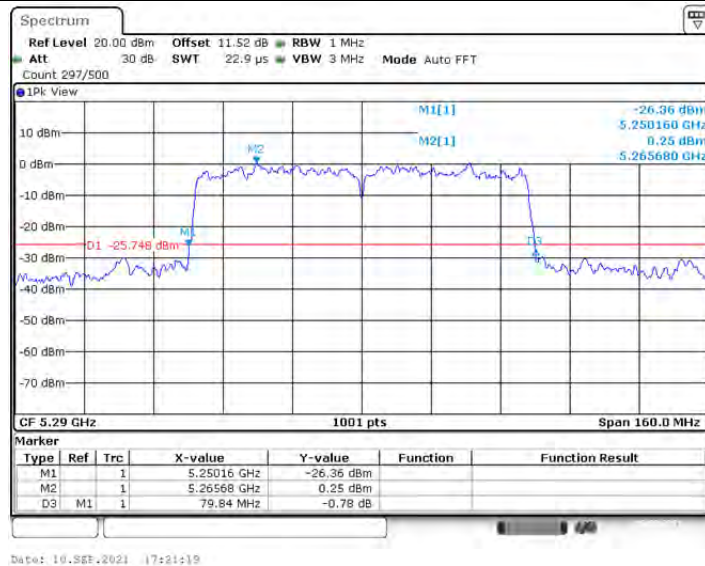
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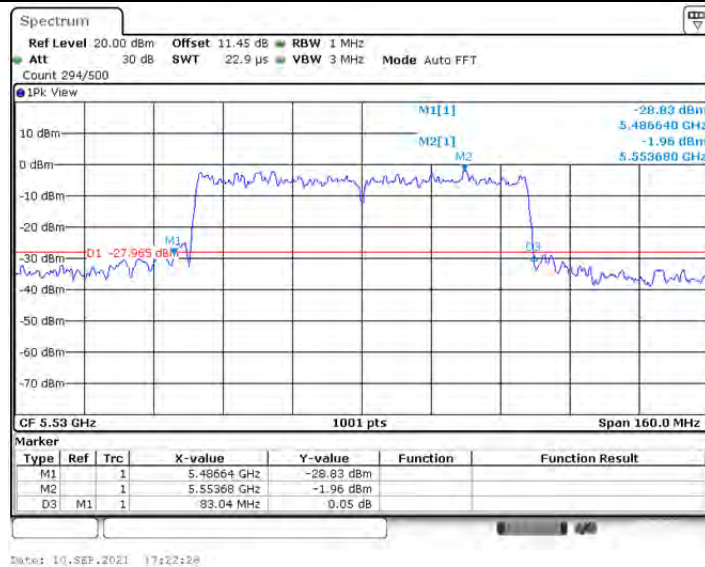
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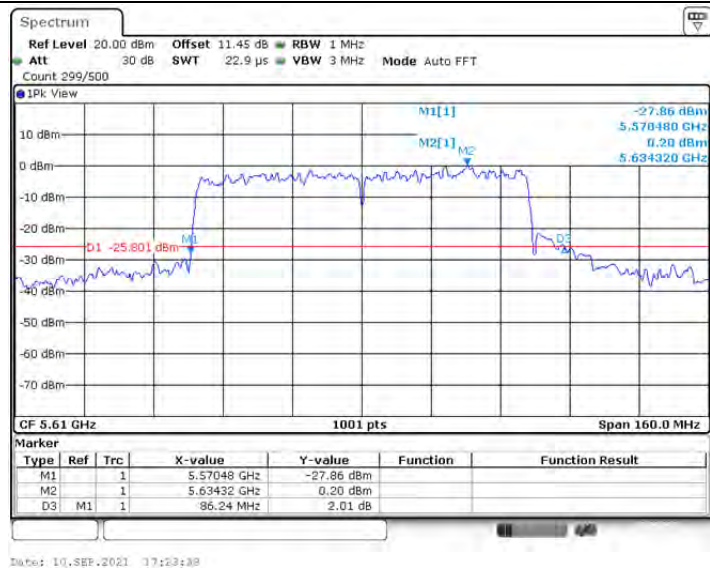
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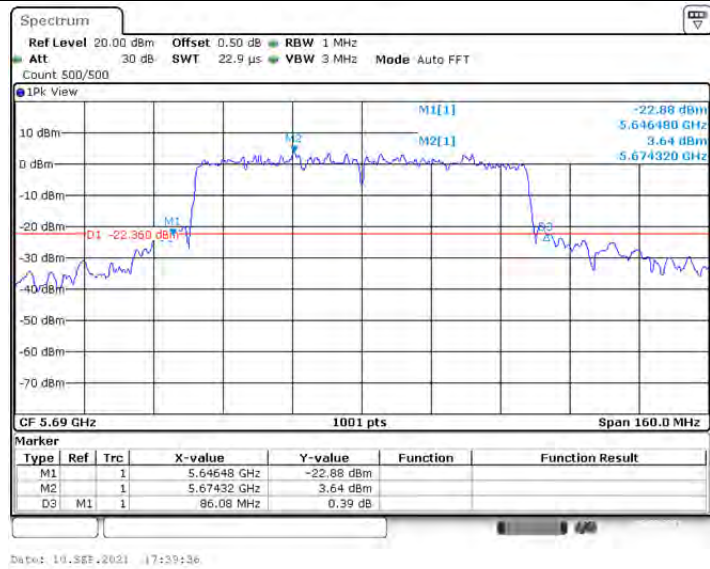
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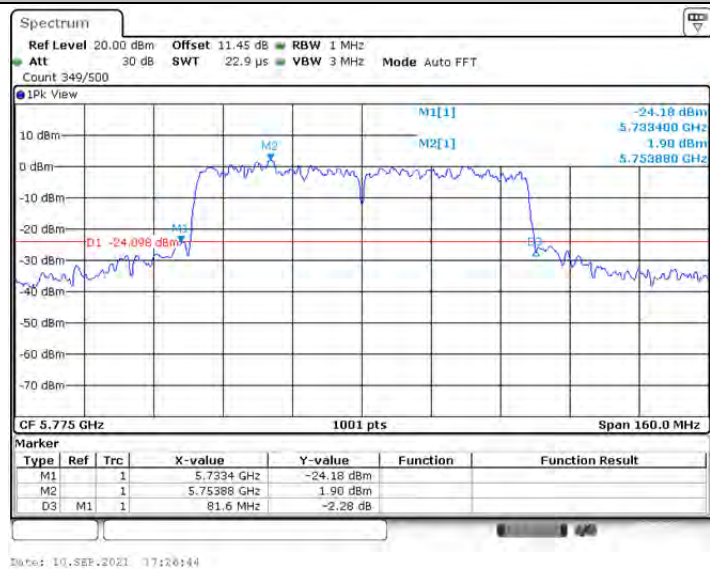
802.11ac(VHT80)_5610



802.11ac(VHT80)_5690



802.11ac(VHT80)_5775



Appendix A2: Occupied channel bandwidth

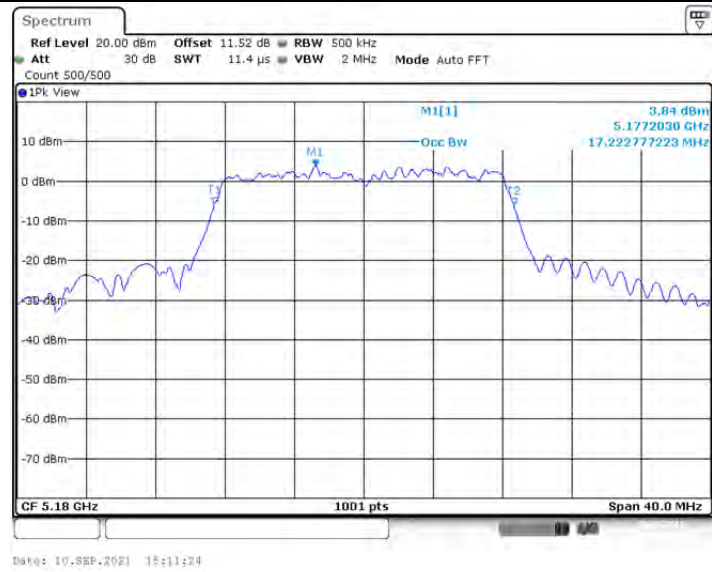
Test Result

Test Mode	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
802.11a	5180	17.223	5171.409	5188.631	PASS
	5200	17.103	5191.369	5208.472	PASS
	5240	16.983	5231.489	5248.472	PASS
	5260	17.023	5251.528	5268.551	PASS
	5280	16.943	5271.489	5288.432	PASS
	5320	17.223	5311.249	5328.472	PASS
	5500	17.183	5491.169	5508.352	PASS
	5580	17.383	5571.528	5588.911	PASS
	5700	17.582	5691.169	5708.751	PASS
	5745	17.143	5736.409	5753.551	PASS
	5785	17.183	5776.369	5793.551	PASS
	5825	17.023	5816.449	5833.472	PASS
	5825	17.023	5816.449	5833.472	PASS
802.11n(HT20)	5180	17.982	5170.969	5188.951	PASS
	5200	17.942	5190.929	5208.871	PASS
	5240	17.942	5231.009	5248.951	PASS
	5260	17.862	5251.089	5268.951	PASS
	5280	18.262	5270.929	5289.191	PASS
	5320	17.902	5310.969	5328.871	PASS
	5500	17.902	5490.969	5508.871	PASS
	5580	17.742	5571.049	5588.791	PASS
	5700	17.982	5691.009	5708.991	PASS
	5745	17.862	5736.089	5753.951	PASS
	5785	17.982	5775.969	5793.951	PASS
	5825	17.982	5815.889	5833.871	PASS
	5825	17.982	5815.889	5833.871	PASS
802.11n(HT40)	5190	36.763	5171.538	5208.302	PASS
	5230	36.763	5211.698	5248.462	PASS
	5270	36.603	5251.618	5288.222	PASS
	5310	36.444	5291.698	5328.142	PASS
	5510	36.364	5491.698	5528.062	PASS
	5550	36.523	5531.698	5568.222	PASS
	5670	36.444	5651.698	5688.142	PASS
	5755	36.364	5736.698	5773.062	PASS
	5795	36.444	5776.778	5813.222	PASS
802.11ac(VHT20)	5180	18.222	5170.849	5189.071	PASS
	5200	18.102	5190.969	5209.071	PASS
	5240	17.742	5231.129	5248.871	PASS
	5260	17.942	5251.129	5269.071	PASS
	5280	17.822	5271.049	5288.871	PASS
	5320	18.142	5310.929	5329.071	PASS
	5500	17.862	5490.929	5508.791	PASS
	5580	18.022	5570.969	5588.991	PASS

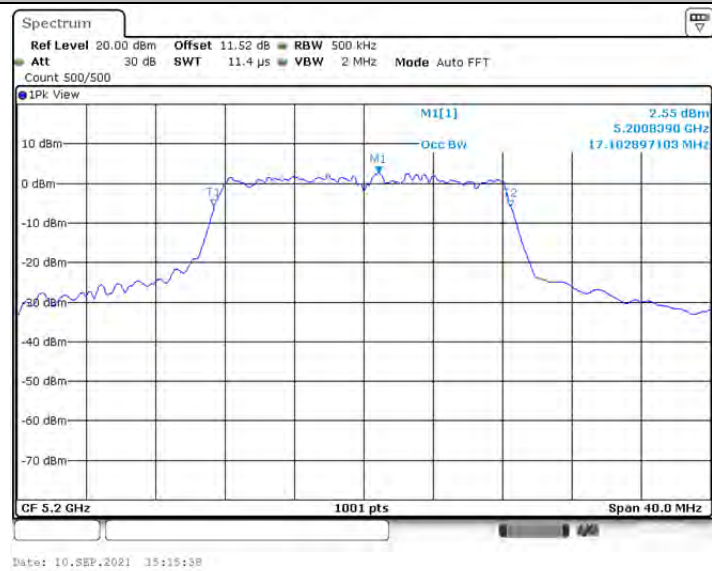
	5700	17.902	5691.009	5708.911	PASS
	5745	17.942	5736.049	5753.991	PASS
	5785	17.982	5776.049	5794.031	PASS
	5825	17.822	5816.009	5833.831	PASS
802.11ac(VHT40)	5190	36.603	5171.618	5208.222	PASS
	5230	36.523	5211.858	5248.382	PASS
	5270	36.284	5251.778	5288.062	PASS
	5310	36.364	5291.778	5328.142	PASS
	5510	36.923	5491.299	5528.222	PASS
	5550	36.444	5531.778	5568.222	PASS
	5670	36.364	5651.698	5688.062	PASS
	5755	36.044	5736.938	5772.982	PASS
	5795	36.444	5776.778	5813.222	PASS
802.11ac(VHT80)	5210	75.764	5171.798	5247.562	PASS
	5290	75.924	5251.958	5327.882	PASS
	5530	76.404	5491.798	5568.202	PASS
	5610	76.244	5571.958	5648.202	PASS
	5775	76.084	5651.798	5727.882	PASS

Test Graphs

802.11a_5180



802.11a_5200



802.11a_5240



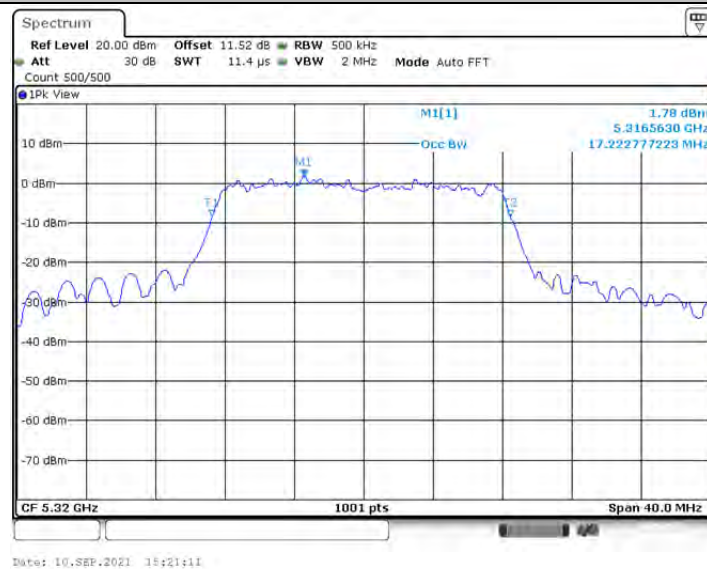
802.11a_5260



802.11a_5280



802.11a_5320



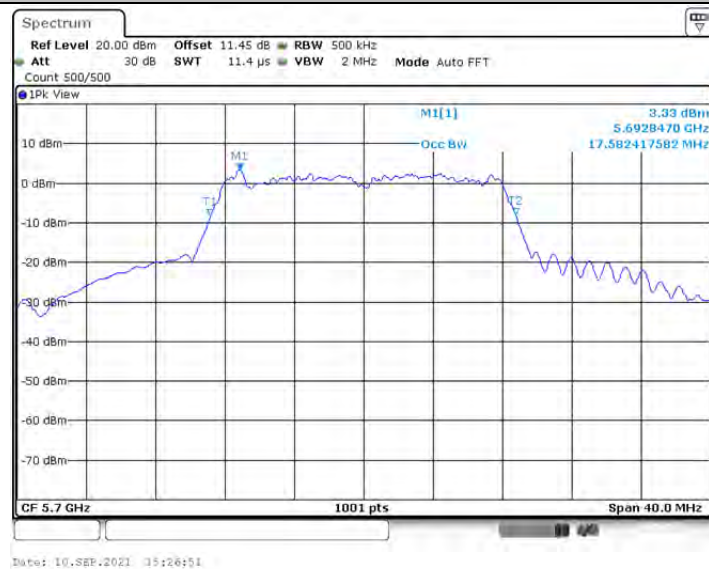
802.11a_5500



802.11a_5580



802.11a_5700



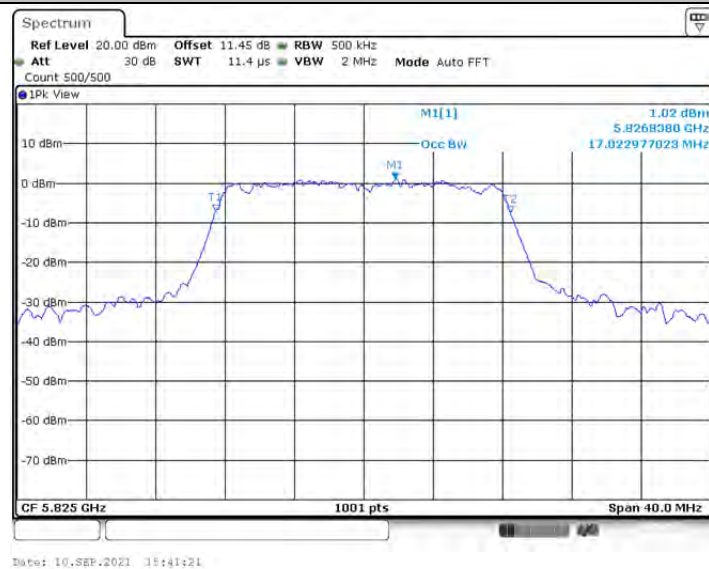
802.11a_5745



802.11a_5785



802.11a_5825



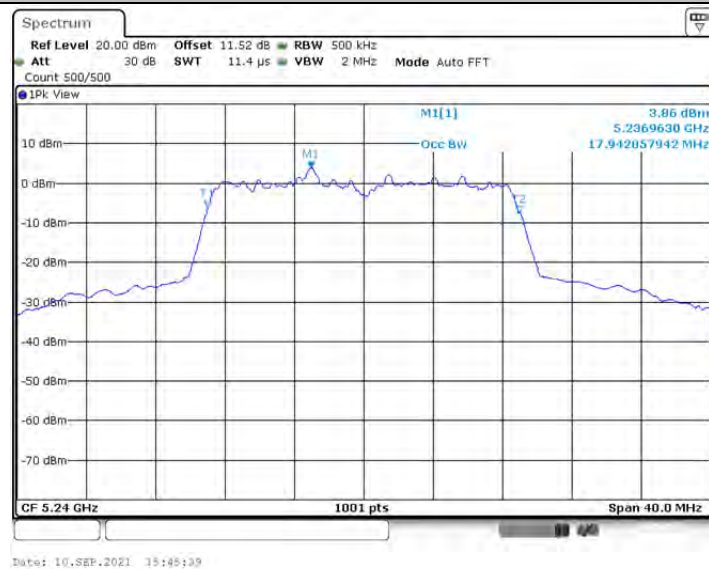
802.11n(HT20)_5180



802.11n(HT20)_5200



802.11n(HT20)_5240



802.11n(HT20)_5260



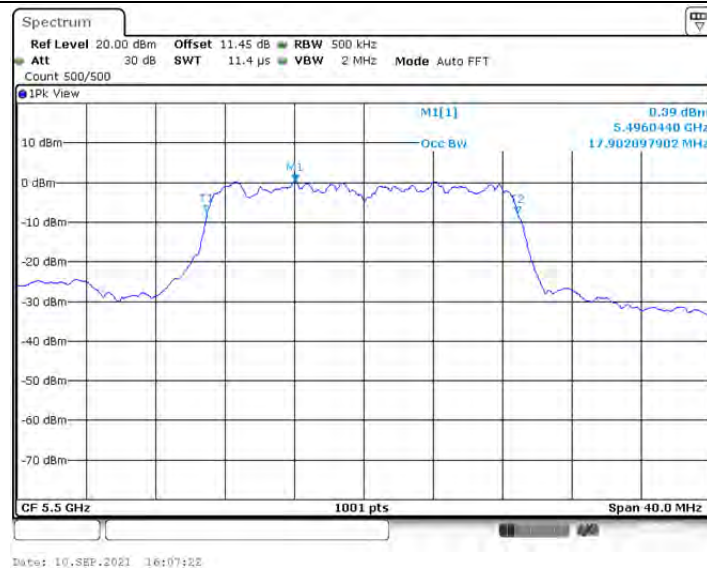
802.11n(HT20)_5280



802.11n(HT20)_5320



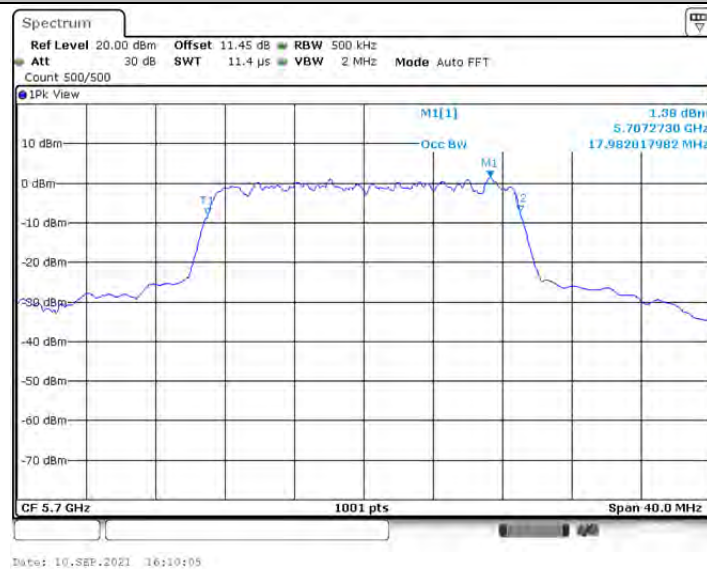
802.11n(HT20)_5500



802.11n(HT20)_5580



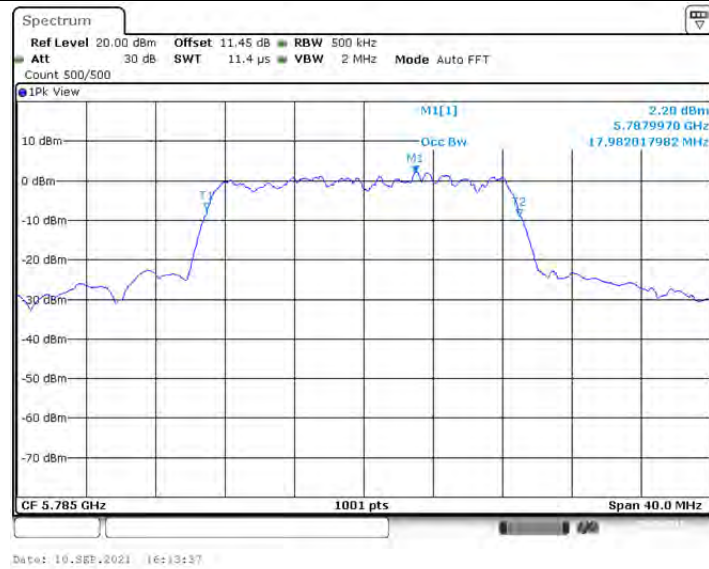
802.11n(HT20)_5700



802.11n(HT20)_5745



802.11n(HT20)_5785



802.11n(HT20)_5825



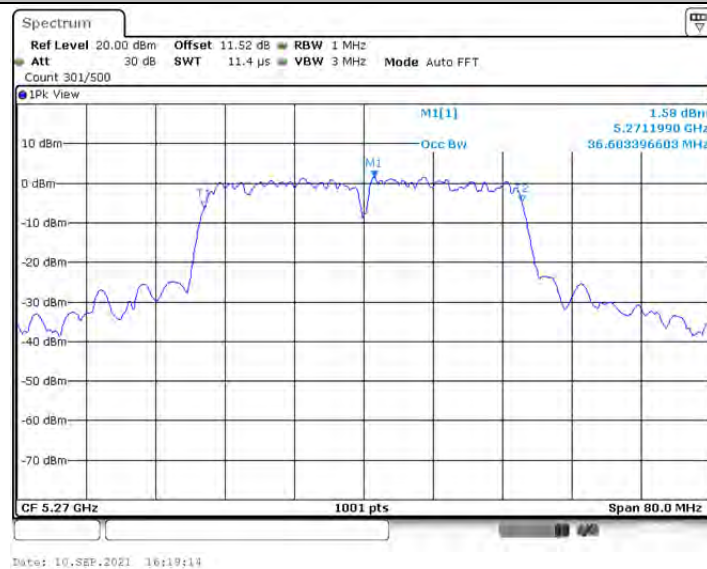
802.11n(HT40)_5190



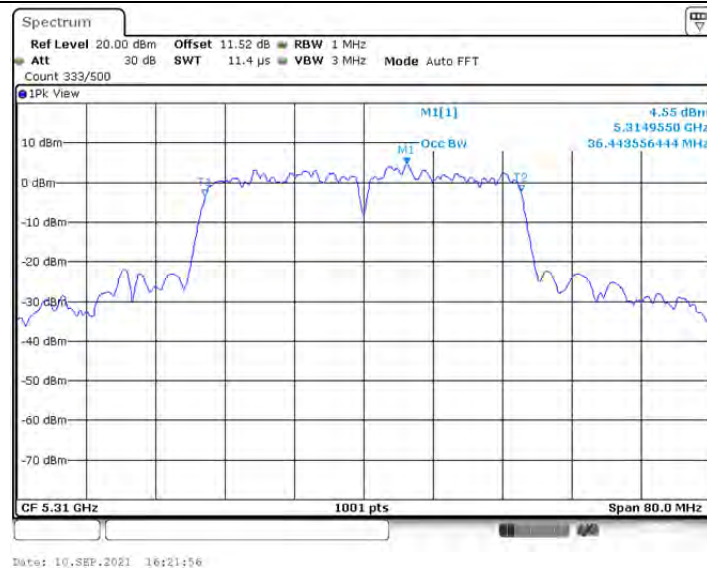
802.11n(HT40)_5230



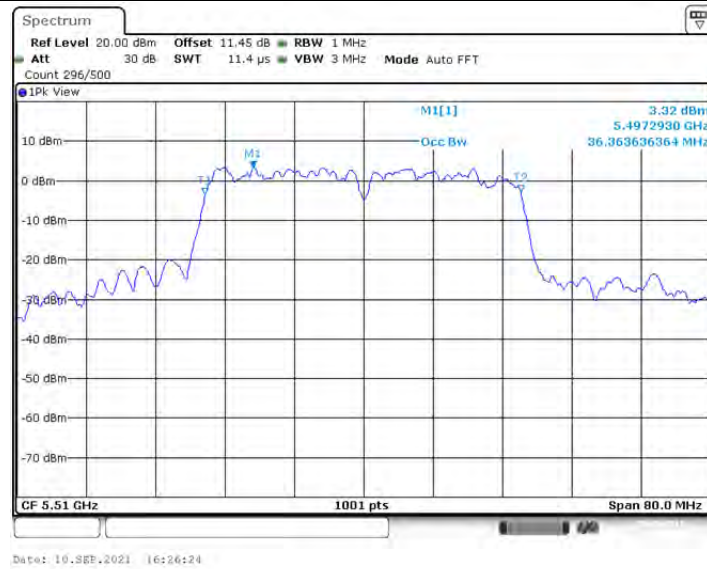
802.11n(HT40)_5270



802.11n(HT40)_5310



802.11n(HT40)_5510



802.11n(HT40)_5550



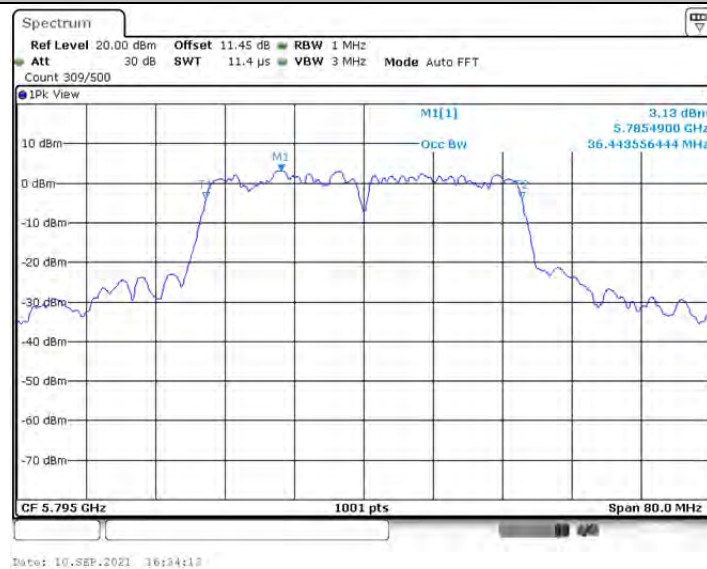
802.11n(HT40)_5670



802.11n(HT40)_5755



802.11n(HT40)_5795



802.11ac(VHT20)_5180



802.11ac(VHT20)_5200



802.11ac(VHT20)_5240



802.11ac(VHT20)_5260



802.11ac(VHT20)_5280



802.11ac(VHT20)_5320



802.11ac(VHT20)_5500



802.11ac(VHT20)_5580



802.11ac(VHT20)_5700



802.11ac(VHT20)_5745



802.11ac(VHT20)_5785



802.11ac(VHT20)_5825



802.11ac(VHT40)_5190



802.11ac(VHT40)_5230



802.11ac(VHT40)_5270



802.11ac(VHT40)_5310



802.11ac(VHT40)_5510



802.11ac(VHT40)_5550



802.11ac(VHT40)_5670



802.11ac(VHT40)_5755



802.11ac(VHT40)_5795



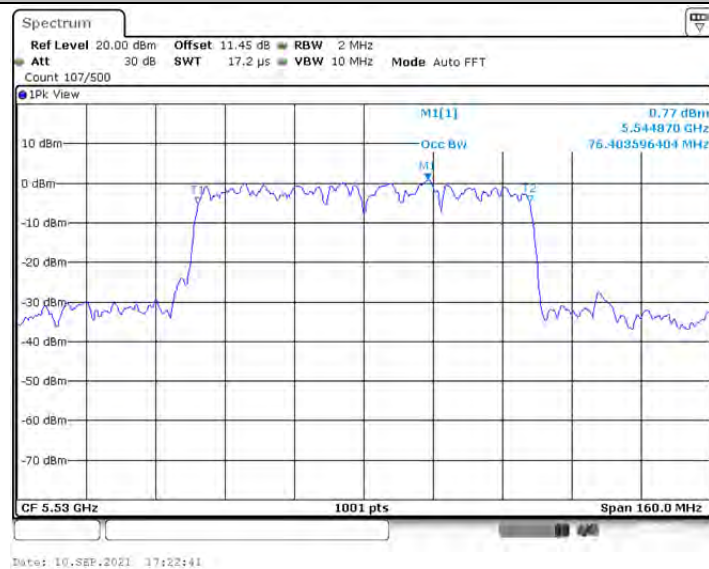
802.11ac(VHT80)_5210



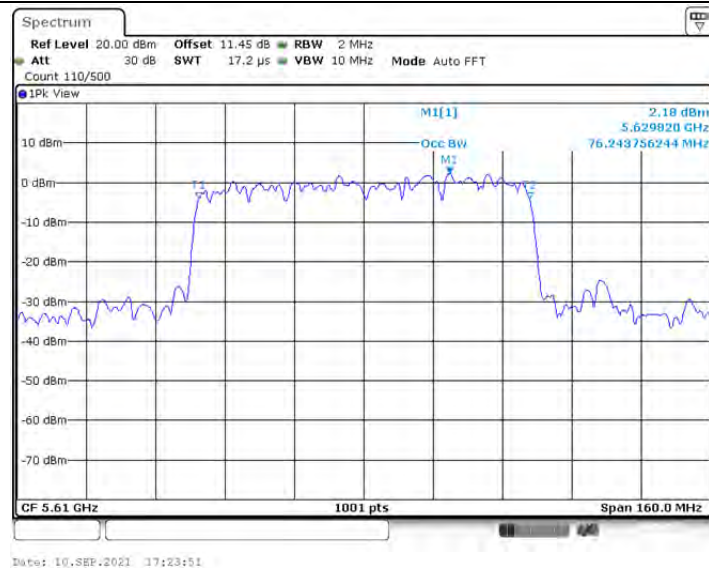
802.11ac(VHT80)_5290



802.11ac(VHT80)_5530



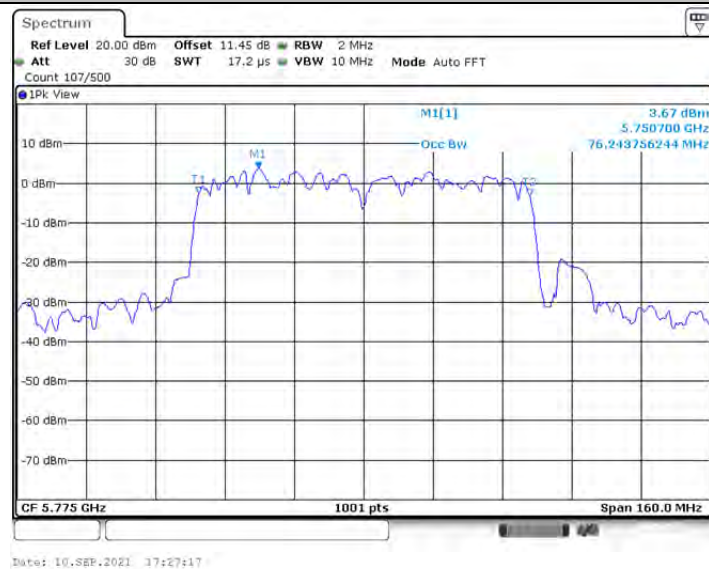
802.11ac(VHT80)_5610



802.11ac(VHT80)_5690



802.11ac(VHT80)_5775



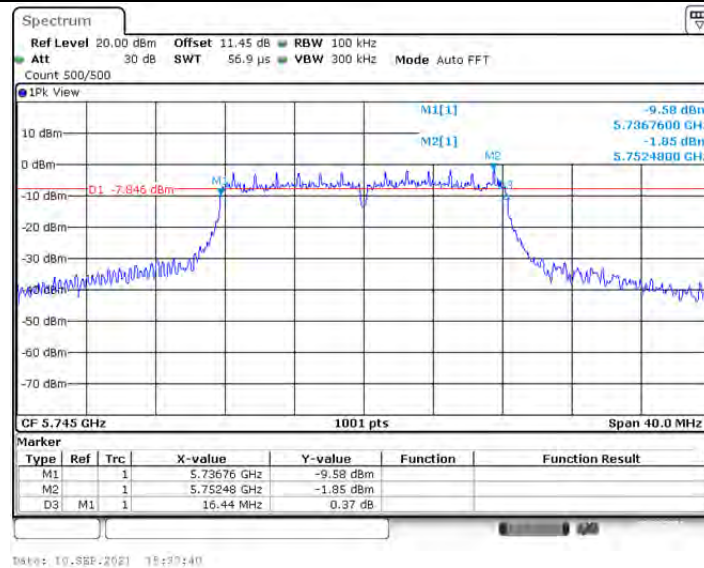
Appendix A3: Min emission bandwidth

Test Result

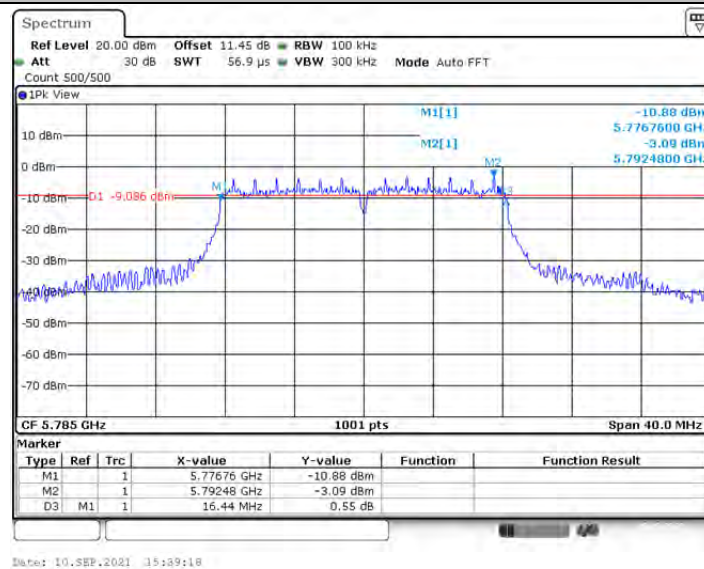
Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
802.11a	Ant1	5745	16.440	5736.760	5753.200	>0.5	PASS
		5785	16.440	5776.760	5793.200	>0.5	PASS
		5825	16.440	5816.760	5833.200	>0.5	PASS
802.11n(HT20)	Ant1	5745	17.320	5736.320	5753.640	>0.5	PASS
		5785	17.640	5776.160	5793.800	>0.5	PASS
		5825	17.480	5816.160	5833.640	>0.5	PASS
802.11n(HT40)	Ant1	5755	35.280	5737.320	5772.600	>0.5	PASS
		5795	35.440	5777.320	5812.760	>0.5	PASS
802.11ac(VHT20)	Ant1	5745	17.440	5736.360	5753.800	>0.5	PASS
		5785	17.520	5776.160	5793.680	>0.5	PASS
		5825	17.480	5816.160	5833.640	>0.5	PASS
802.11ac(VHT40)	Ant1	5755	35.280	5737.320	5772.600	>0.5	PASS
		5795	35.760	5777.240	5813.000	>0.5	PASS
802.11ac(VHT80)	Ant1	5775	75.520	5737.240	5812.760	>0.5	PASS

Test Graphs

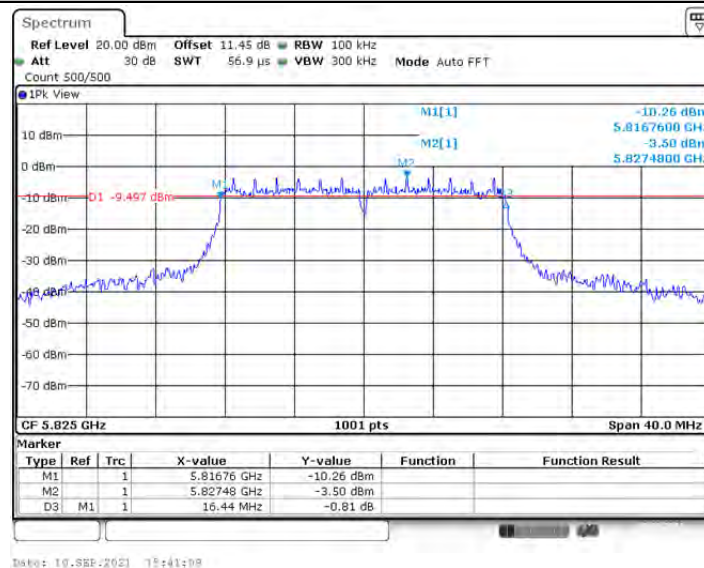
802.11a_5745



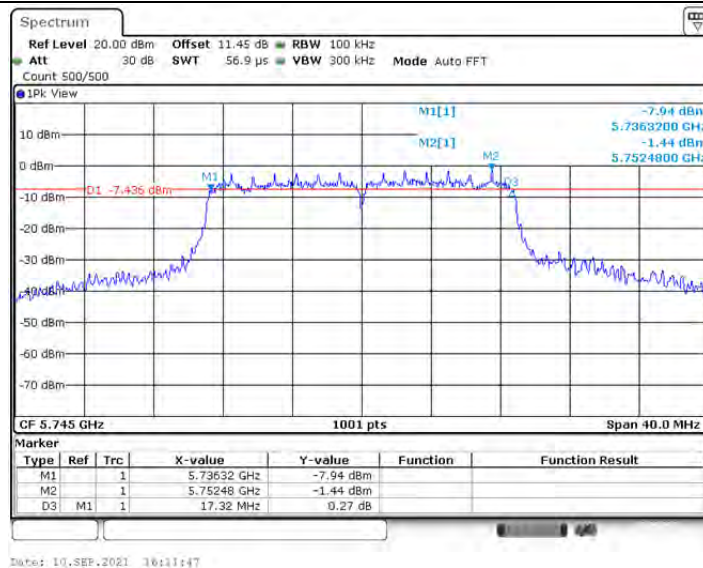
802.11a_5785



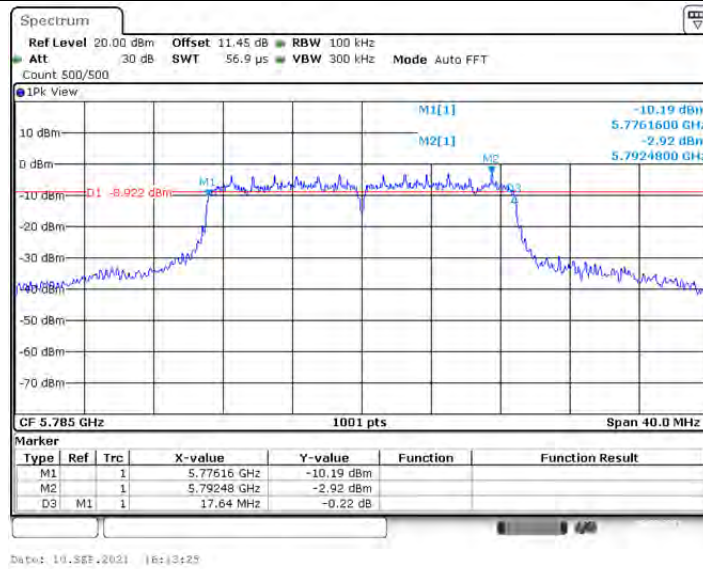
802.11a_5825



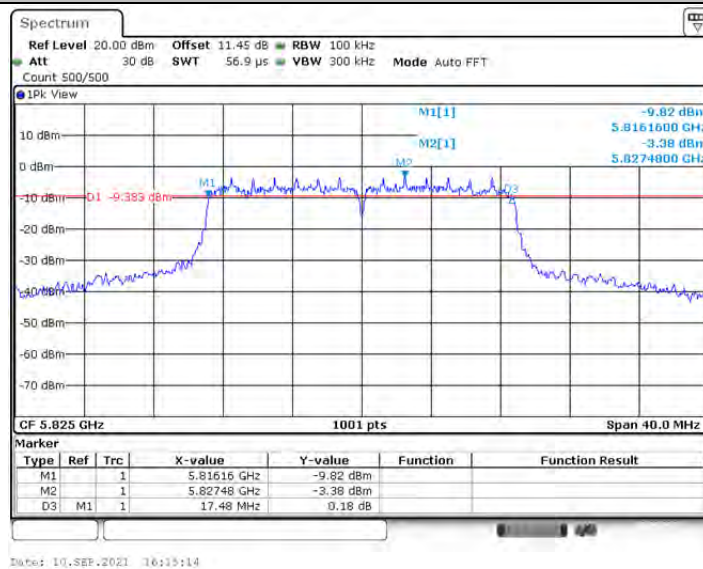
802.11n(HT20)_5745



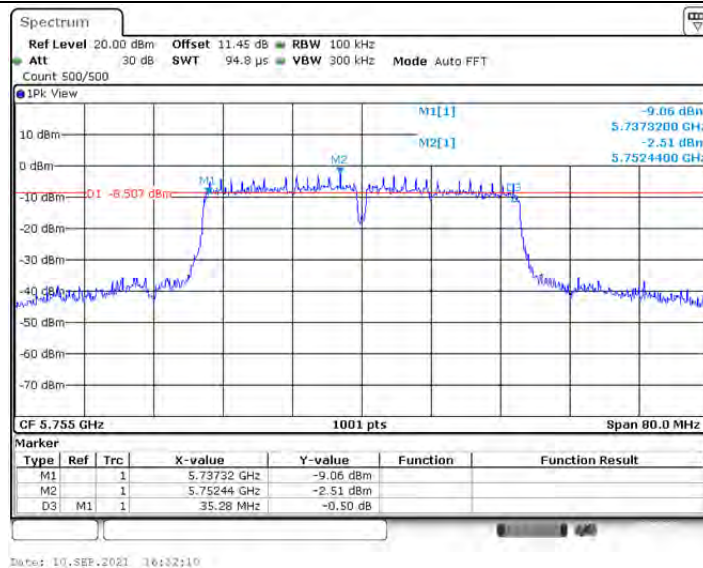
802.11n(HT20)_5785



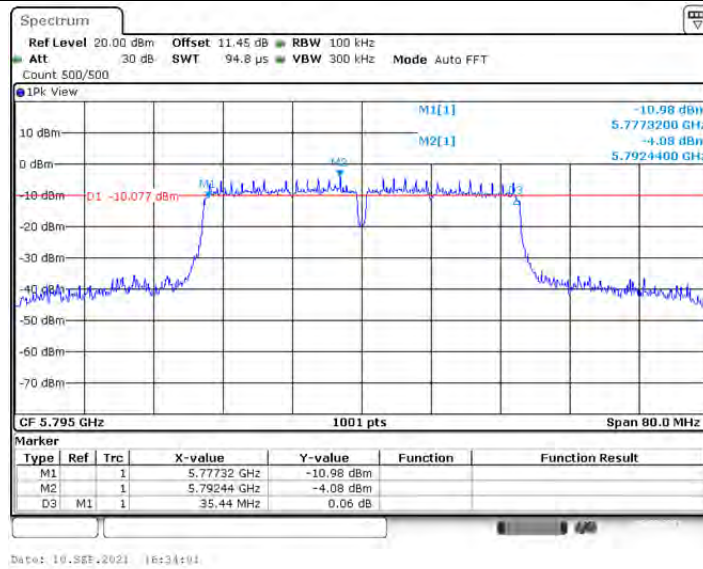
802.11n(HT20)_5825



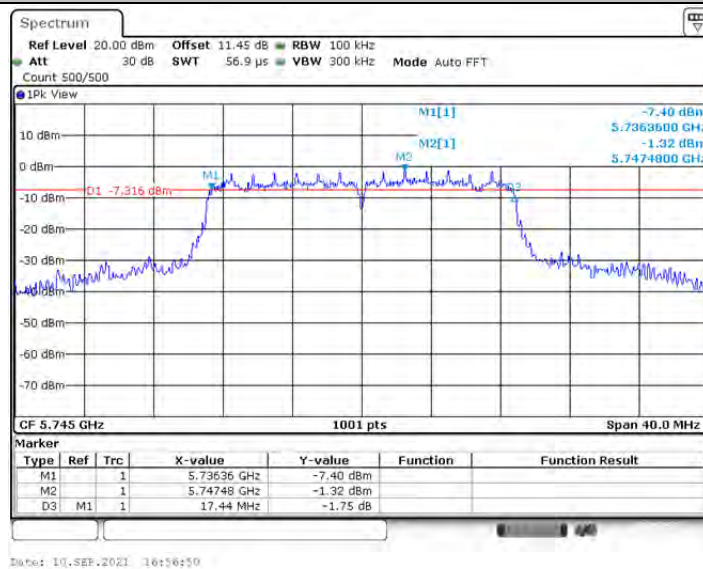
802.11n(HT40)_5755



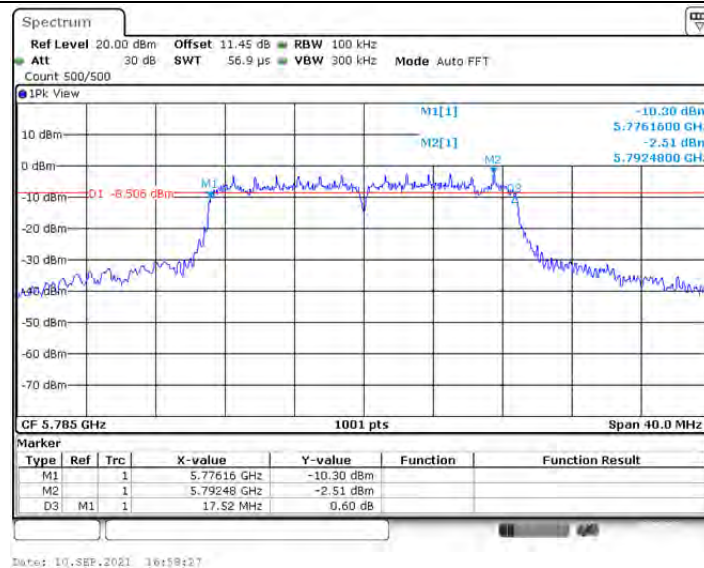
802.11n(HT40)_5795



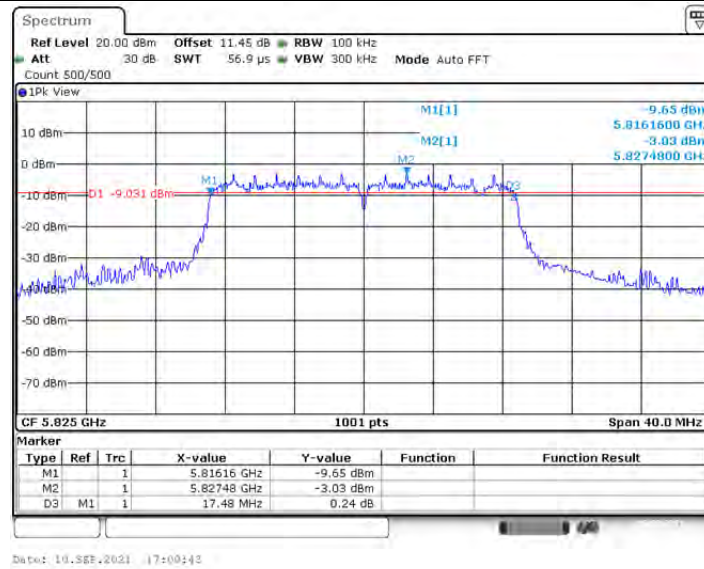
802.11ac(VHT20)_5745



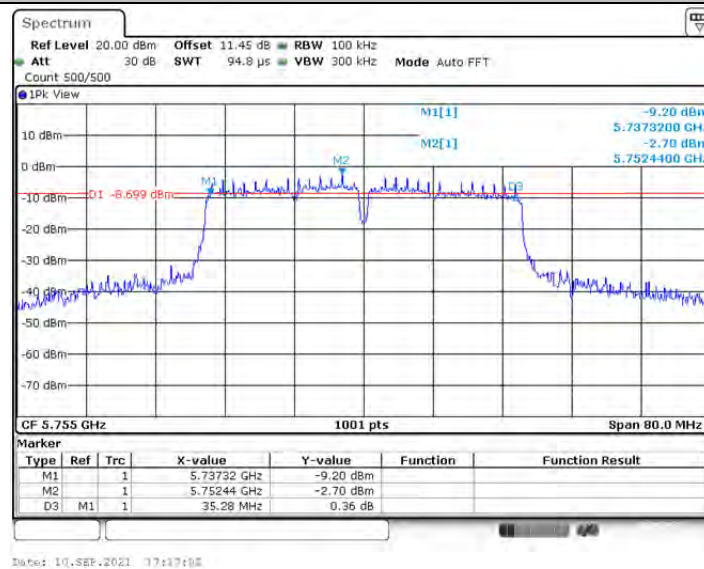
802.11ac(VHT20)_5785



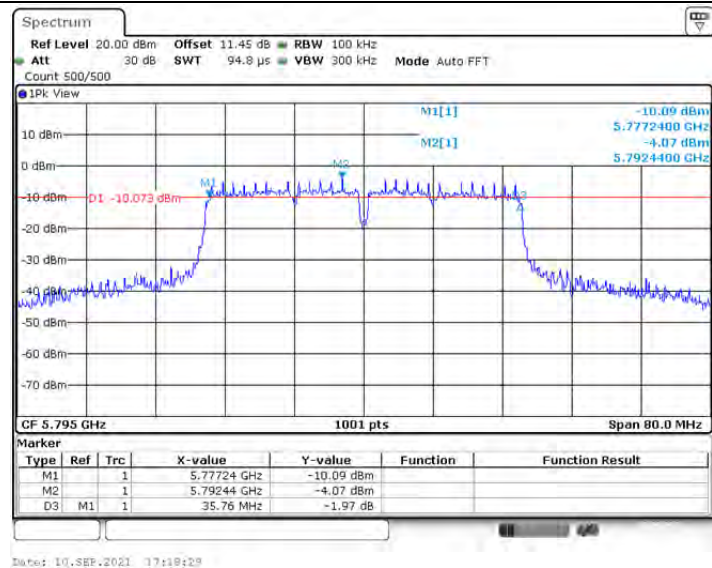
802.11ac(VHT20)_5825



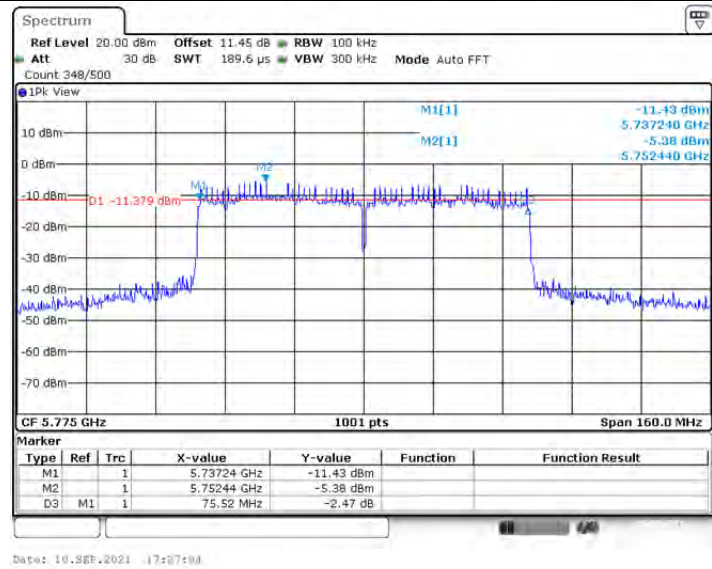
802.11ac(VHT40)_5755



802.11ac(VHT40)_5795



802.11ac(VHT80)_5775



Appendix B: Maximum conducted output power

Test Result

Test Mode	Channel	Result[dBm]	Limit[dBm]	Verdict
802.11a	5180	12.57	<=24	PASS
	5200	11.89	<=24	PASS
	5240	11.52	<=24	PASS
	5260	11.24	<=24	PASS
	5280	11.26	<=24	PASS
	5320	11.57	<=24	PASS
	5500	11.67	<=24	PASS
	5580	12.01	<=24	PASS
	5700	13.19	<=24	PASS
	5745	11.30	<=30	PASS
	5785	10.70	<=30	PASS
	5825	10.12	<=30	PASS
802.11n(HT20)	5180	12.73	<=24	PASS
	5200	12.13	<=24	PASS
	5240	11.47	<=24	PASS
	5260	11.32	<=24	PASS
	5280	11.40	<=24	PASS
	5320	11.67	<=24	PASS
	5500	10.02	<=24	PASS
	5580	10.29	<=24	PASS
	5700	11.41	<=24	PASS
	5745	12.06	<=30	PASS
	5785	11.47	<=30	PASS
	5825	10.75	<=30	PASS
802.11n(HT40)	5190	11.39	<=24	PASS
	5230	11.00	<=24	PASS
	5270	10.26	<=24	PASS
	5310	12.36	<=24	PASS
	5510	12.54	<=24	PASS
	5550	12.72	<=24	PASS
	5670	12.55	<=24	PASS
	5755	12.67	<=30	PASS
	5795	12.23	<=30	PASS
802.11ac(VHT20)	5180	12.70	<=24	PASS
	5200	12.03	<=24	PASS
	5240	11.68	<=24	PASS
	5260	11.25	<=24	PASS
	5280	11.39	<=24	PASS
	5320	11.74	<=24	PASS
	5500	11.84	<=24	PASS
	5580	12.15	<=24	PASS
	5700	11.43	<=24	PASS

	5745	12.11	<=30	PASS
	5785	11.40	<=30	PASS
	5825	10.78	<=30	PASS
802.11ac(VHT40)	5190	11.82	<=24	PASS
	5230	11.12	<=24	PASS
	5270	12.75	<=24	PASS
	5310	13.00	<=24	PASS
	5510	12.51	<=24	PASS
	5550	12.66	<=24	PASS
	5670	12.69	<=24	PASS
	5755	12.77	<=30	PASS
	5795	12.10	<=30	PASS
802.11ac(VHT80)	5210	13.25	<=24	PASS
	5290	12.49	<=24	PASS
	5530	10.38	<=24	PASS
	5610	11.83	<=24	PASS
	5775	11.99	<=30	PASS

Note: Test results increased RF cable loss by 0.5dB.

Appendix C: Maximum power spectral density

Test Result

Test Mode	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
802.11a	5180	8.43	<=11	PASS
	5200	8.12	<=11	PASS
	5240	7.51	<=11	PASS
	5260	7.04	<=11	PASS
	5280	7.49	<=11	PASS
	5320	6.83	<=11	PASS
	5500	7.50	<=11	PASS
	5580	7.57	<=11	PASS
	5700	8.97	<=11	PASS
	5745	3.74	<=30	PASS
	5785	2.33	<=30	PASS
	5825	2.89	<=30	PASS
802.11n(HT20)	5180	8.79	<=11	PASS
	5200	8.72	<=11	PASS
	5240	7.07	<=11	PASS
	5260	7.33	<=11	PASS
	5280	7.58	<=11	PASS
	5320	7.75	<=11	PASS
	5500	5.41	<=11	PASS
	5580	6.23	<=11	PASS
	5700	6.46	<=11	PASS
	5745	5.98	<=30	PASS
	5785	3.17	<=30	PASS
	5825	3.19	<=30	PASS
802.11n(HT40)	5190	6.22	<=11	PASS
	5230	5.09	<=11	PASS
	5270	3.92	<=11	PASS
	5310	5.48	<=11	PASS
	5510	7.08	<=11	PASS
	5550	6.81	<=11	PASS
	5670	7.49	<=11	PASS
	5755	4.40	<=30	PASS
	5795	2.43	<=30	PASS
802.11ac(VHT20)	5180	9.81	<=11	PASS
	5200	7.77	<=11	PASS
	5240	8.38	<=11	PASS
	5260	8.16	<=11	PASS
	5280	7.85	<=11	PASS
	5320	7.08	<=11	PASS
	5500	7.47	<=11	PASS
	5580	7.93	<=11	PASS

	5700	7.28	<=11	PASS
	5745	5.74	<=30	PASS
	5785	4.12	<=30	PASS
	5825	4.86	<=30	PASS
802.11ac(VHT40)	5190	6.29	<=11	PASS
	5230	4.55	<=11	PASS
	5270	7.58	<=11	PASS
	5310	6.24	<=11	PASS
	5510	5.81	<=11	PASS
	5550	6.01	<=11	PASS
	5670	6.53	<=11	PASS
	5755	3.59	<=30	PASS
	5795	2.15	<=30	PASS
802.11ac(VHT80)	5210	4.45	<=11	PASS
	5290	3.03	<=11	PASS
	5530	1.73	<=11	PASS
	5610	2.76	<=11	PASS
	5775	-4.57	<=30	PASS

Note: 1. The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2. The Duty Cycle Factor and RBW Factor is compensated in the graph.

3. 5.725–5.85 GHz correction factor = $10\lg(BW_{Reference}/BW_{Measured}) = 2.22$,

Test Graphs

802.11a_5180



802.11a_5200



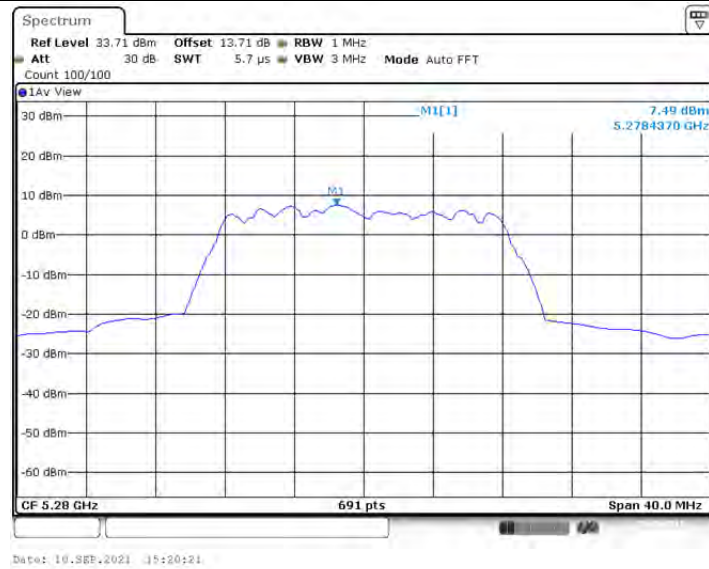
802.11a_5240



802.11a_5260



802.11a_5280



802.11a_5320



802.11a_5500



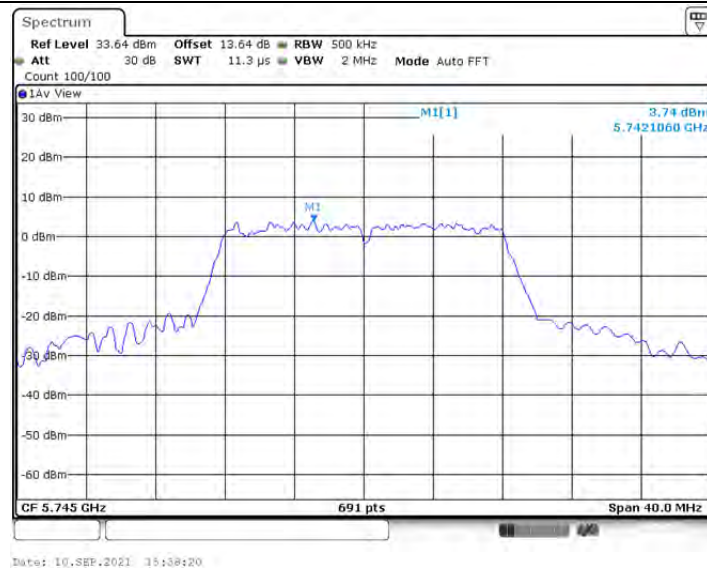
802.11a_5580



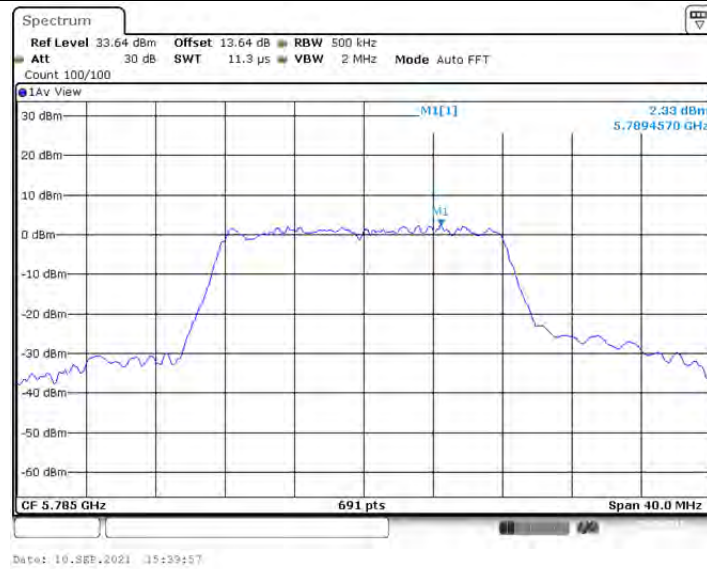
802.11a_5700



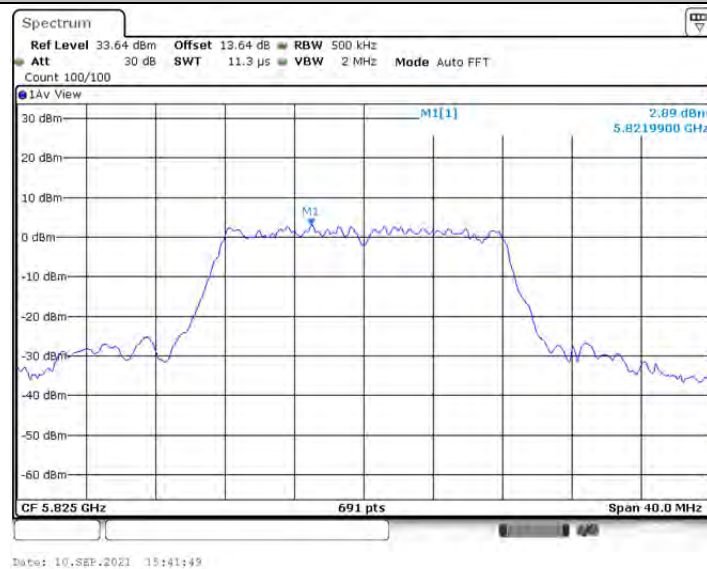
802.11a_5745



802.11a_5785



802.11a_5825



802.11n(HT20)_5180



802.11n(HT20)_5200



802.11n(HT20)_5240



802.11n(HT20)_5260



802.11n(HT20)_5280



802.11n(HT20)_5320



802.11n(HT20)_5500



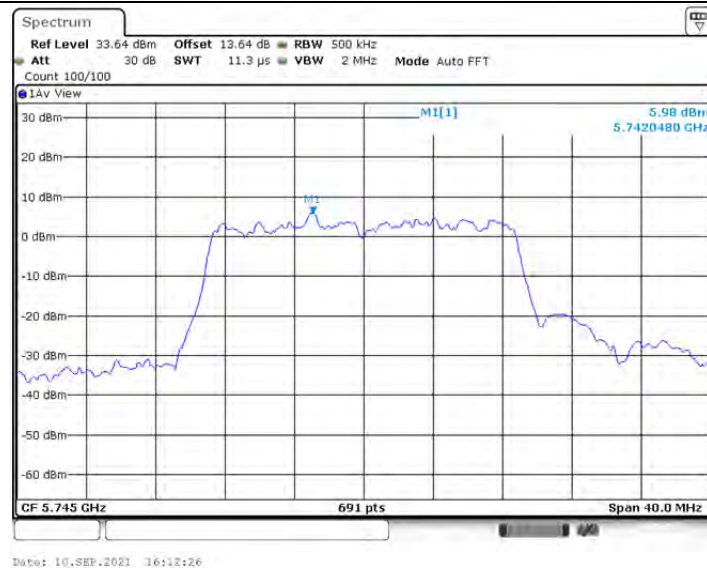
802.11n(HT20)_5580



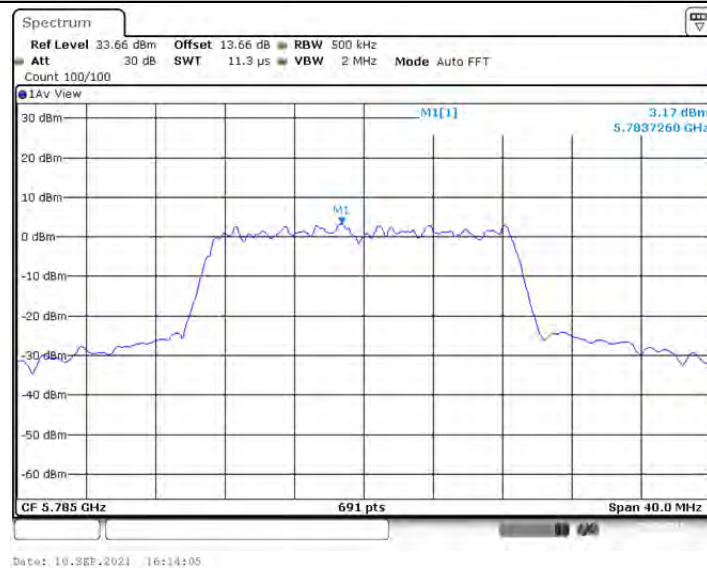
802.11n(HT20)_5700



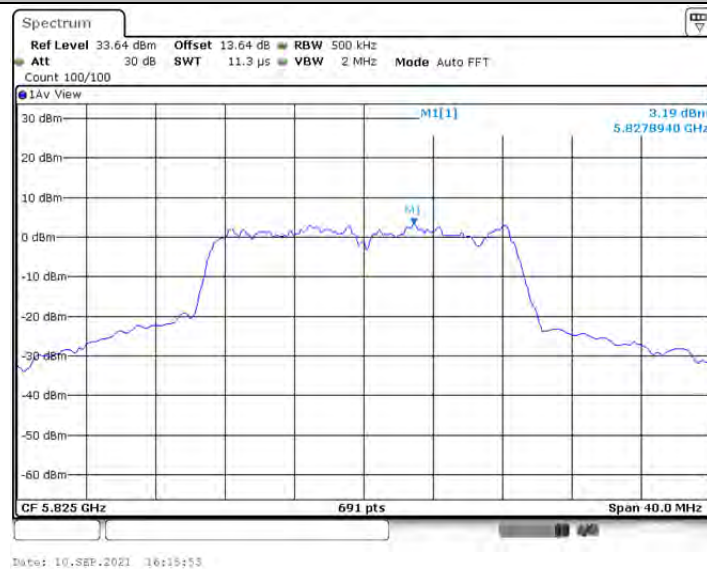
802.11n(HT20)_5745



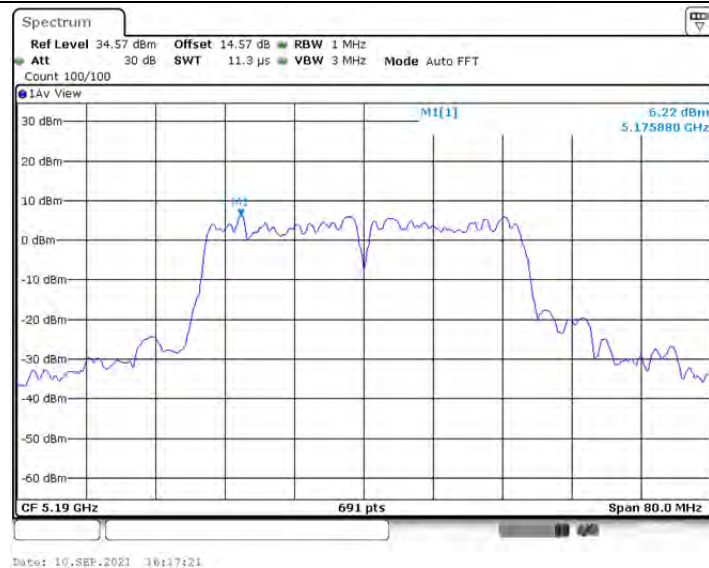
802.11n(HT20)_5785



802.11n(HT20)_5825



802.11n(HT40)_5190



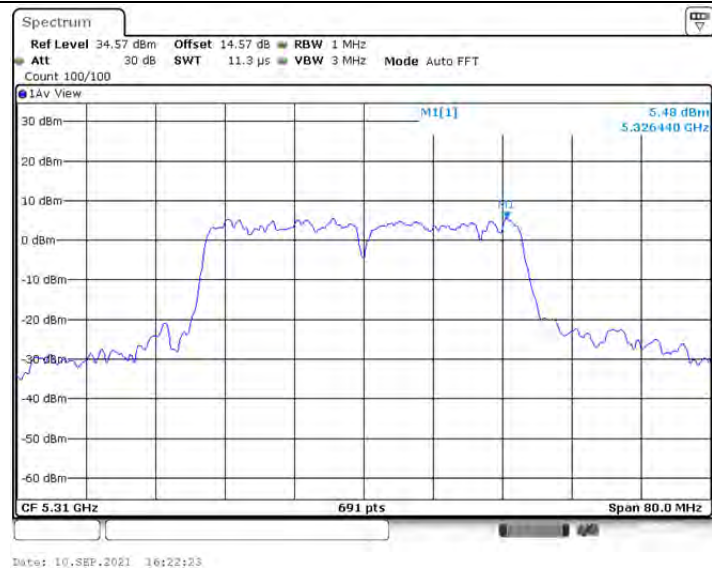
802.11n(HT40)_5230



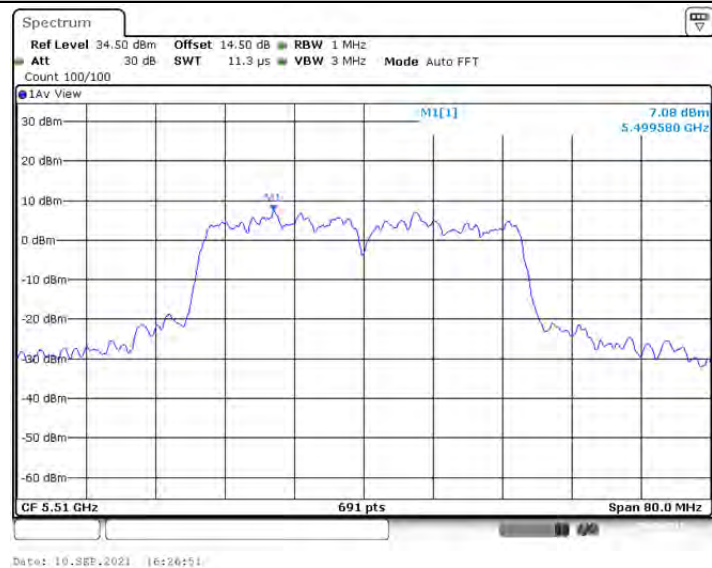
802.11n(HT40)_5270



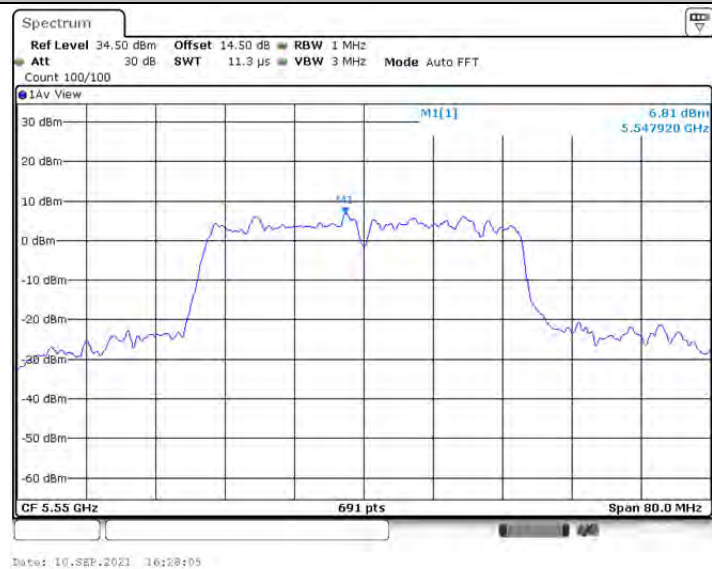
802.11n(HT40)_5310



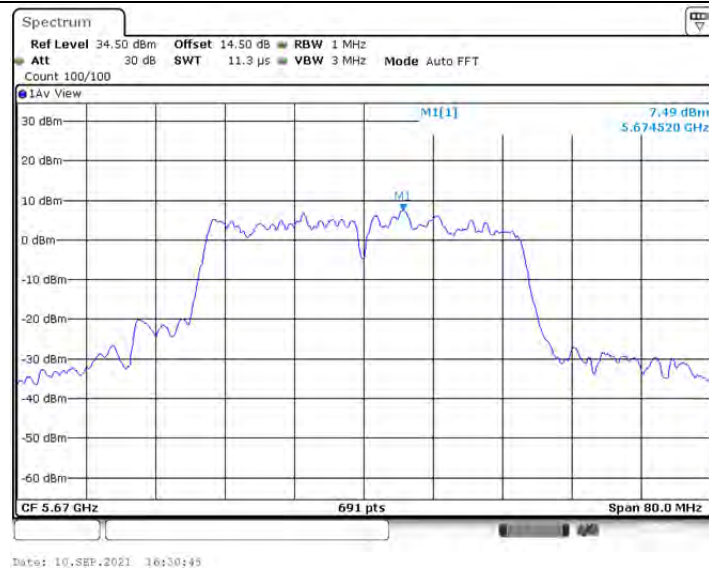
802.11n(HT40)_5510



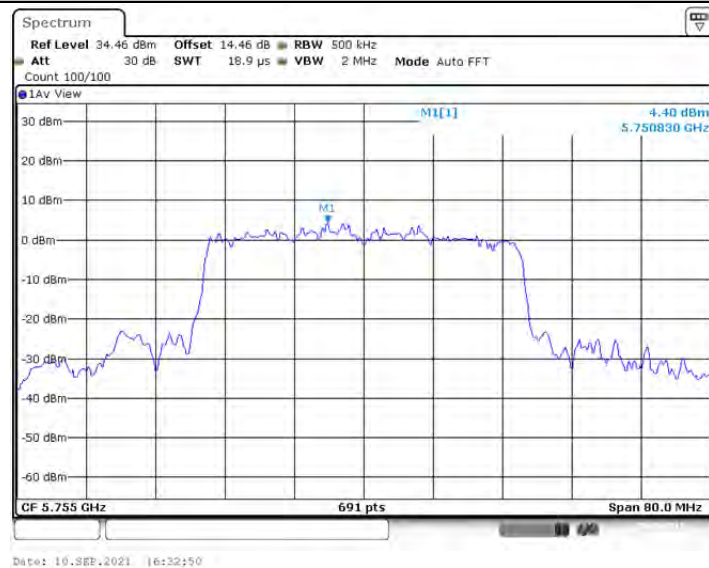
802.11n(HT40)_5550



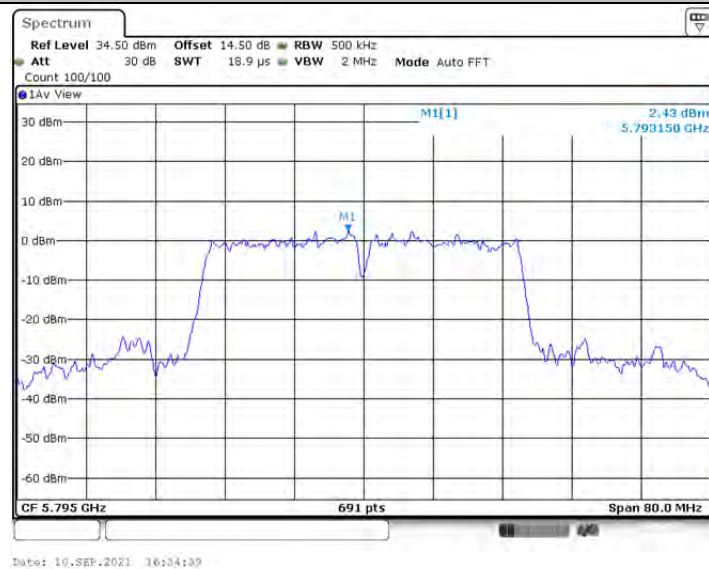
802.11n(HT40)_5670



802.11n(HT40)_5755



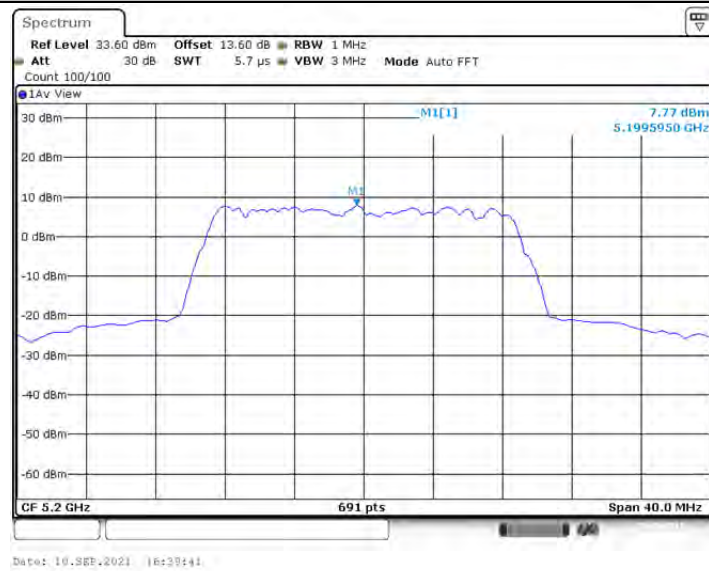
802.11n(HT40)_5795



802.11ac(VHT20)_5180



802.11ac(VHT20)_5200



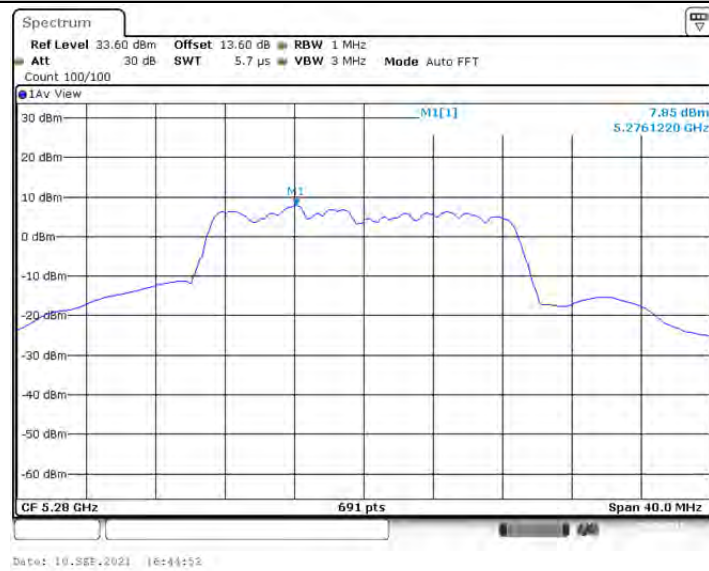
802.11ac(VHT20)_5240



802.11ac(VHT20)_5260



802.11ac(VHT20)_5280



802.11ac(VHT20)_5320



802.11ac(VHT20)_5500



802.11ac(VHT20)_5580



802.11ac(VHT20)_5700



802.11ac(VHT20)_5745



802.11ac(VHT20)_5785



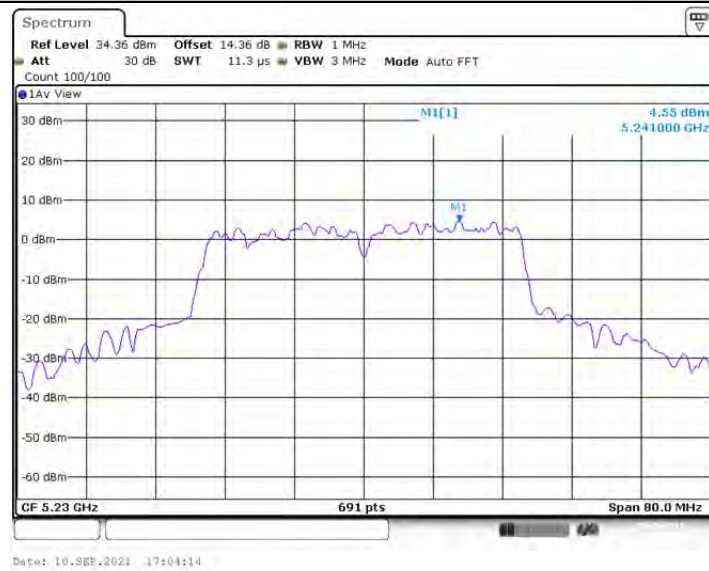
802.11ac(VHT20)_5825



802.11ac(VHT40)_5190



802.11ac(VHT40)_5230



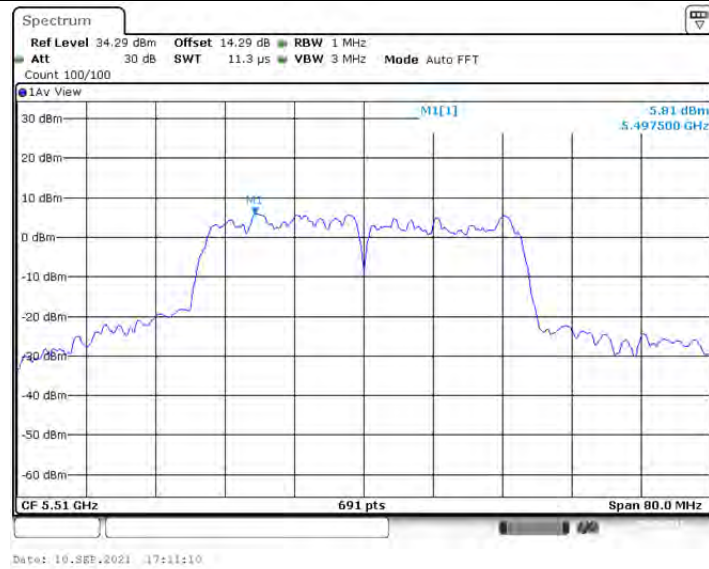
802.11ac(VHT40)_5270



802.11ac(VHT40)_5310



802.11ac(VHT40)_5510



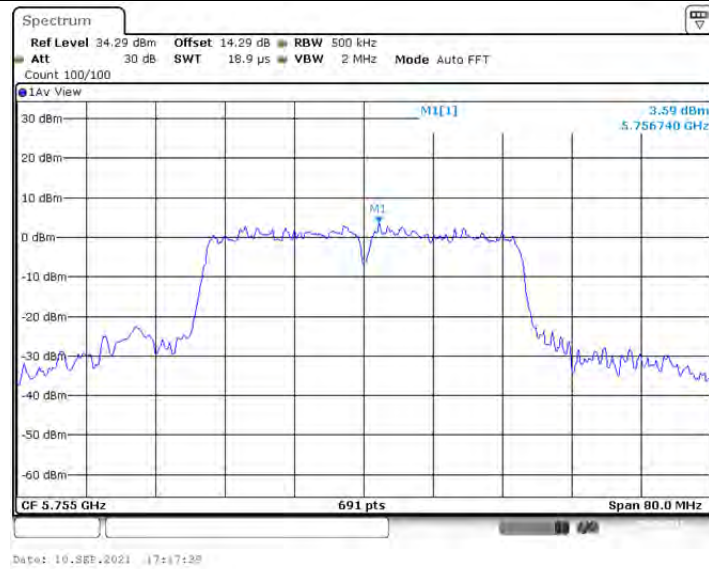
802.11ac(VHT40)_5550



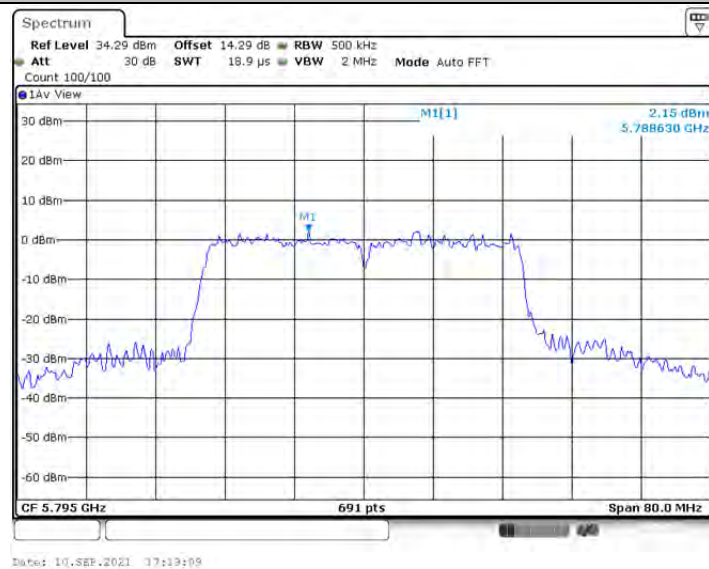
802.11ac(VHT40)_5670



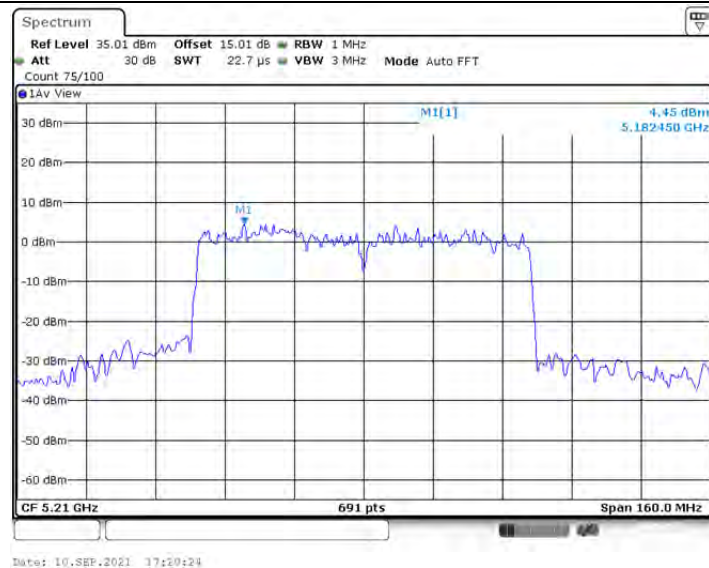
802.11ac(VHT40)_5755



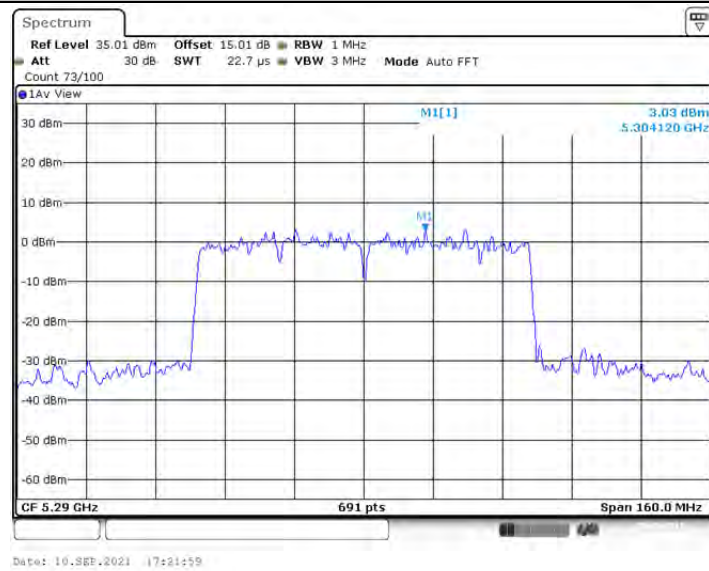
802.11ac(VHT40)_5795



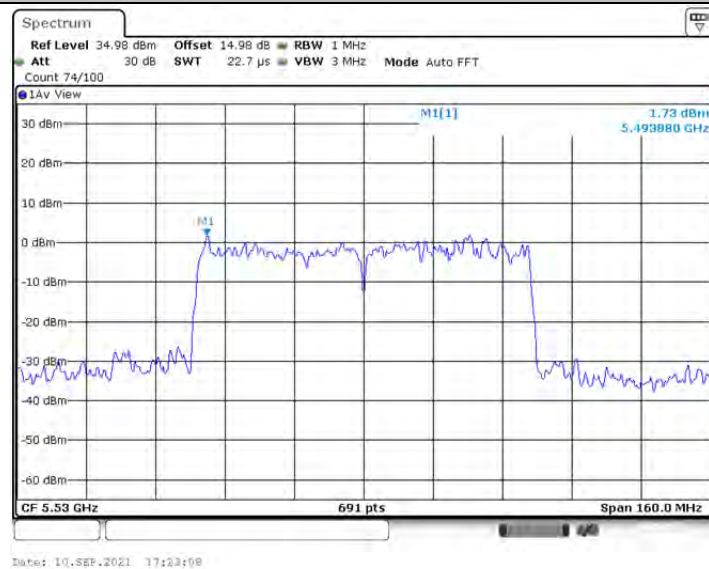
802.11ac(VHT80)_5210



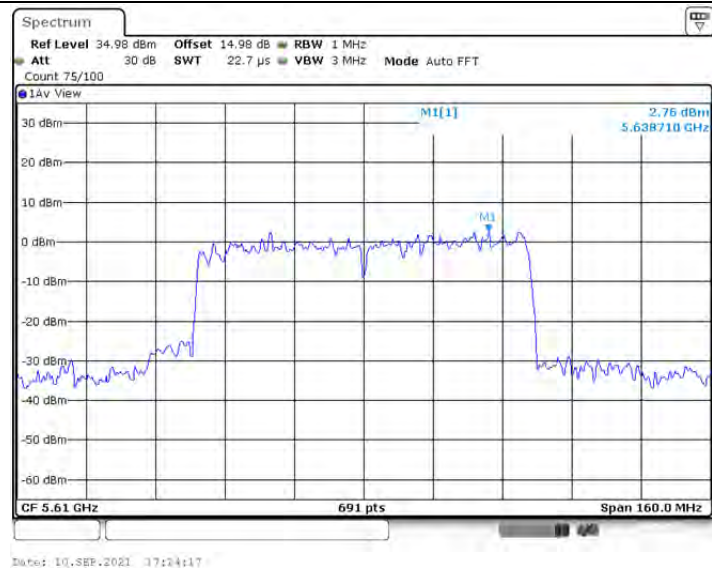
802.11ac(VHT80)_5290



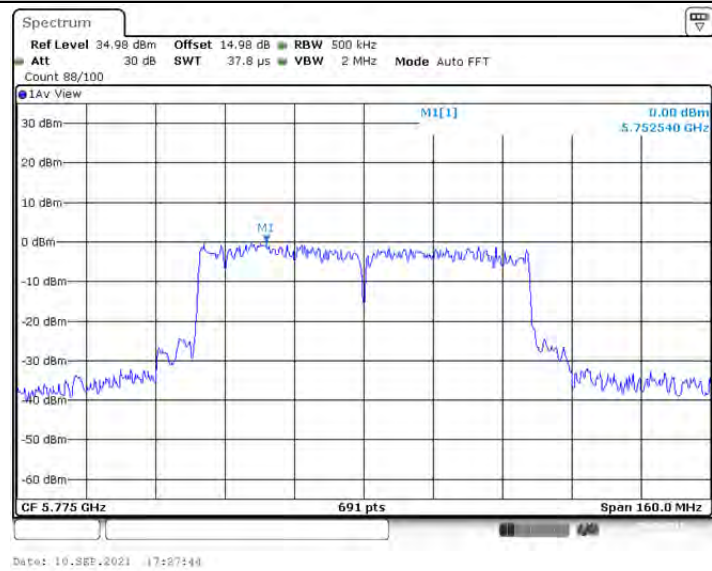
802.11ac(VHT80)_5530



802.11ac(VHT80)_5610



802.11ac(VHT80)_5775



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	-16000	-3.088803	20	PASS
		LV	NT	-16000	-3.088803	20	PASS
		HV	NT	-17000	-3.281853	20	PASS
	5200	NV	NT	-21000	-4.038462	20	PASS
		LV	NT	-21000	-4.038462	20	PASS
		HV	NT	-21000	-4.038462	20	PASS
	5240	NV	NT	-23000	-4.389313	20	PASS
		LV	NT	-23000	-4.389313	20	PASS
		HV	NT	-23000	-4.389313	20	PASS
	5260	NV	NT	-23000	-4.372624	20	PASS
		LV	NT	-23000	-4.372624	20	PASS
		HV	NT	-23000	-4.372624	20	PASS
	5280	NV	NT	-24000	-4.545455	20	PASS
		LV	NT	-23000	-4.356061	20	PASS
		HV	NT	-24000	-4.545455	20	PASS
	5320	NV	NT	-21000	-3.947368	20	PASS
		LV	NT	-20000	-3.759398	20	PASS
		HV	NT	-20000	-3.759398	20	PASS
	5500	NV	NT	-6000	-1.090909	20	PASS
		LV	NT	-7000	-1.272727	20	PASS
		HV	NT	-8000	-1.454545	20	PASS
	5580	NV	NT	-9000	-1.612903	20	PASS
		LV	NT	-9000	-1.612903	20	PASS
		HV	NT	-9000	-1.612903	20	PASS
	5700	NV	NT	-3000	-0.526316	20	PASS
		LV	NT	-4000	-0.701754	20	PASS
		HV	NT	-4000	-0.701754	20	PASS
	5745	NV	NT	-7000	-1.218451	20	PASS
		LV	NT	-7000	-1.218451	20	PASS
		HV	NT	-7000	-1.218451	20	PASS
	5785	NV	NT	-8000	-1.382887	20	PASS
		LV	NT	-9000	-1.555748	20	PASS
		HV	NT	-9000	-1.555748	20	PASS
	5825	NV	NT	-9000	-1.545064	20	PASS
		LV	NT	-9000	-1.545064	20	PASS
		HV	NT	-9000	-1.545064	20	PASS
40MHz	5190	NV	NT	-8000	-1.541426	20	PASS
		LV	NT	-8000	-1.541426	20	PASS
		HV	NT	-8000	-1.541426	20	PASS
	5230	NV	NT	-8000	-1.529637	20	PASS

		LV	NT	-8000	-1.529637	20	PASS
		HV	NT	-8000	-1.529637	20	PASS
	5270	NV	NT	-8000	-1.518027	20	PASS
		LV	NT	-8000	-1.518027	20	PASS
		HV	NT	-8000	-1.518027	20	PASS
	5310	NV	NT	-9000	-1.694915	20	PASS
		LV	NT	-9000	-1.694915	20	PASS
		HV	NT	-9000	-1.694915	20	PASS
	5510	NV	NT	-9000	-1.633394	20	PASS
		LV	NT	-9000	-1.633394	20	PASS
		HV	NT	-9000	-1.633394	20	PASS
	5550	NV	NT	-9000	-1.621622	20	PASS
		LV	NT	-9000	-1.621622	20	PASS
		HV	NT	-9000	-1.621622	20	PASS
	5670	NV	NT	-9000	-1.587302	20	PASS
		LV	NT	-9000	-1.587302	20	PASS
		HV	NT	-9000	-1.587302	20	PASS
	5755	NV	NT	-7000	-1.216334	20	PASS
		LV	NT	-7000	-1.216334	20	PASS
		HV	NT	-8000	-1.390096	20	PASS
	5795	NV	NT	-9000	-1.553063	20	PASS
		LV	NT	-9000	-1.553063	20	PASS
		HV	NT	-9000	-1.553063	20	PASS
80MHz	5210	NV	NT	-8000	-1.535509	20	PASS
		LV	NT	-9000	-1.727447	20	PASS
		HV	NT	-9000	-1.727447	20	PASS
	5290	NV	NT	-10000	-1.890359	20	PASS
		LV	NT	-10000	-1.890359	20	PASS
		HV	NT	-10000	-1.890359	20	PASS
	5775	NV	NT	-10000	-1.808318	20	PASS
		LV	NT	-10000	-1.808318	20	PASS
		HV	NT	-10000	-1.808318	20	PASS

Temperature							
Test Mode	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20MHz	5180	NV	0	-19000	-3.667954	20	PASS
		NV	10	-19000	-3.667954	20	PASS
		NV	20	-19000	-3.667954	20	PASS
		NV	30	-20000	-3.861004	20	PASS
		NV	40	-20000	-3.861004	20	PASS
		NV	50	-20000	-3.861004	20	PASS
	5200	NV	0	-22000	-4.230769	20	PASS
		NV	10	-22000	-4.230769	20	PASS
		NV	20	-22000	-4.230769	20	PASS
		NV	30	-22000	-4.230769	20	PASS
		NV	40	-22000	-4.230769	20	PASS
		NV	50	-22000	-4.230769	20	PASS
	5240	NV	0	-23000	-4.389313	20	PASS
		NV	10	-23000	-4.389313	20	PASS
		NV	20	-23000	-4.389313	20	PASS
		NV	30	-23000	-4.389313	20	PASS
		NV	40	-23000	-4.389313	20	PASS
		NV	50	-23000	-4.389313	20	PASS
	5260	NV	0	-23000	-4.372624	20	PASS
		NV	10	-23000	-4.372624	20	PASS
		NV	20	-23000	-4.372624	20	PASS
		NV	30	-23000	-4.372624	20	PASS
		NV	40	-23000	-4.372624	20	PASS
		NV	50	-23000	-4.372624	20	PASS
	5280	NV	0	-24000	-4.545455	20	PASS
		NV	10	-23000	-4.356061	20	PASS
		NV	20	-23000	-4.356061	20	PASS
		NV	30	-23000	-4.356061	20	PASS
		NV	40	-22000	-4.166667	20	PASS
		NV	50	-22000	-4.166667	20	PASS
	5320	NV	0	-19000	-3.571429	20	PASS
		NV	10	-18000	-3.383459	20	PASS
		NV	20	-18000	-3.383459	20	PASS
		NV	30	-18000	-3.383459	20	PASS
		NV	40	-18000	-3.383459	20	PASS
		NV	50	-17000	-3.195489	20	PASS
	5500	NV	0	-8000	-1.454545	20	PASS
		NV	10	-8000	-1.454545	20	PASS
		NV	20	-8000	-1.454545	20	PASS
		NV	30	-9000	-1.636364	20	PASS
		NV	40	-9000	-1.636364	20	PASS
		NV	50	-9000	-1.636364	20	PASS
	5580	NV	0	-9000	-1.612903	20	PASS

		NV	10	-10000	-1.792115	20	PASS
		NV	20	-10000	-1.792115	20	PASS
		NV	30	-10000	-1.792115	20	PASS
		NV	40	-10000	-1.792115	20	PASS
		NV	50	-9000	-1.612903	20	PASS
	5700	NV	0	-4000	-0.701754	20	PASS
		NV	10	-5000	-0.877193	20	PASS
		NV	20	-6000	-1.052632	20	PASS
		NV	30	-6000	-1.052632	20	PASS
		NV	40	-6000	-1.052632	20	PASS
		NV	50	-7000	-1.22807	20	PASS
	5745	NV	0	-8000	-1.392515	20	PASS
		NV	10	-8000	-1.392515	20	PASS
		NV	20	-8000	-1.392515	20	PASS
		NV	30	-8000	-1.392515	20	PASS
		NV	40	-8000	-1.392515	20	PASS
		NV	50	-8000	-1.392515	20	PASS
	5785	NV	0	-9000	-1.555748	20	PASS
		NV	10	-9000	-1.555748	20	PASS
		NV	20	-9000	-1.555748	20	PASS
		NV	30	-9000	-1.555748	20	PASS
		NV	40	-9000	-1.555748	20	PASS
		NV	50	-9000	-1.555748	20	PASS
	5825	NV	0	-9000	-1.545064	20	PASS
		NV	10	-9000	-1.545064	20	PASS
		NV	20	-9000	-1.545064	20	PASS
		NV	30	-9000	-1.545064	20	PASS
		NV	40	-9000	-1.545064	20	PASS
		NV	50	-9000	-1.545064	20	PASS
40MHz	5190	NV	0	-8000	-1.541426	20	PASS
		NV	10	-8000	-1.541426	20	PASS
		NV	20	-8000	-1.541426	20	PASS
		NV	30	-8000	-1.541426	20	PASS
		NV	40	-8000	-1.541426	20	PASS
		NV	50	-8000	-1.541426	20	PASS
	5230	NV	0	-9000	-1.720841	20	PASS
		NV	10	-8000	-1.529637	20	PASS
		NV	20	-8000	-1.529637	20	PASS
		NV	30	-8000	-1.529637	20	PASS
		NV	40	-8000	-1.529637	20	PASS
		NV	50	-8000	-1.529637	20	PASS
	5270	NV	0	-8000	-1.518027	20	PASS
		NV	10	-8000	-1.518027	20	PASS
		NV	20	-8000	-1.518027	20	PASS
		NV	30	-8000	-1.518027	20	PASS
		NV	40	-8000	-1.518027	20	PASS

	5310	NV	50	-9000	-1.70778	20	PASS
		NV	0	-9000	-1.694915	20	PASS
		NV	10	-8000	-1.506591	20	PASS
		NV	20	-8000	-1.506591	20	PASS
		NV	30	-8000	-1.506591	20	PASS
		NV	40	-8000	-1.506591	20	PASS
		NV	50	-9000	-1.694915	20	PASS
	5510	NV	0	-9000	-1.633394	20	PASS
		NV	10	-9000	-1.633394	20	PASS
		NV	20	-9000	-1.633394	20	PASS
		NV	30	-9000	-1.633394	20	PASS
		NV	40	-9000	-1.633394	20	PASS
		NV	50	-9000	-1.633394	20	PASS
	5550	NV	0	-9000	-1.621622	20	PASS
		NV	10	-9000	-1.621622	20	PASS
		NV	20	-9000	-1.621622	20	PASS
		NV	30	-9000	-1.621622	20	PASS
		NV	40	-9000	-1.621622	20	PASS
		NV	50	-8000	-1.441441	20	PASS
	5670	NV	0	-8000	-1.410935	20	PASS
		NV	10	-7000	-1.234568	20	PASS
		NV	20	-7000	-1.234568	20	PASS
		NV	30	-8000	-1.410935	20	PASS
		NV	40	-8000	-1.410935	20	PASS
		NV	50	-8000	-1.410935	20	PASS
	5755	NV	0	-8000	-1.390096	20	PASS
		NV	10	-8000	-1.390096	20	PASS
		NV	20	-8000	-1.390096	20	PASS
		NV	30	-8000	-1.390096	20	PASS
		NV	40	-8000	-1.390096	20	PASS
		NV	50	-8000	-1.390096	20	PASS
	5795	NV	0	-9000	-1.553063	20	PASS
		NV	10	-9000	-1.553063	20	PASS
		NV	20	-9000	-1.553063	20	PASS
		NV	30	-9000	-1.553063	20	PASS
		NV	40	-9000	-1.553063	20	PASS
		NV	50	-9000	-1.553063	20	PASS
80MHz	5210	NV	0	-9000	-1.727447	20	PASS
		NV	10	-9000	-1.727447	20	PASS
		NV	20	-9000	-1.727447	20	PASS
		NV	30	-9000	-1.727447	20	PASS
		NV	40	-9000	-1.727447	20	PASS
		NV	50	-9000	-1.727447	20	PASS
	5290	NV	0	-10000	-1.890359	20	PASS
		NV	10	-10000	-1.890359	20	PASS
		NV	20	-10000	-1.890359	20	PASS

		NV	30	-10000	-1.890359	20	PASS
		NV	40	-10000	-1.890359	20	PASS
		NV	50	-10000	-1.890359	20	PASS
	5530	NV	0	-10000	-1.808318	20	PASS
		NV	10	-10000	-1.808318	20	PASS
		NV	20	-10000	-1.808318	20	PASS
		NV	30	-10000	-1.808318	20	PASS
		NV	40	-10000	-1.808318	20	PASS
		NV	50	-10000	-1.808318	20	PASS
		NV	50	-10000	-1.808318	20	PASS
	5610	NV	0	-10000	-1.782531	20	PASS
		NV	10	-10000	-1.782531	20	PASS
		NV	20	-10000	-1.782531	20	PASS
		NV	30	-10000	-1.782531	20	PASS
		NV	40	-10000	-1.782531	20	PASS
		NV	50	-10000	-1.782531	20	PASS
	5690	NV	0	-10000	-1.757469	20	PASS
		NV	10	-10000	-1.757469	20	PASS
		NV	20	-10000	-1.757469	20	PASS
		NV	30	-10000	-1.757469	20	PASS
		NV	40	-10000	-1.757469	20	PASS
		NV	50	-10000	-1.757469	20	PASS
	5775	NV	0	-10000	-1.731602	20	PASS
		NV	10	-10000	-1.731602	20	PASS
		NV	20	-10000	-1.731602	20	PASS
		NV	30	-10000	-1.731602	20	PASS
		NV	40	-10000	-1.731602	20	PASS
		NV	50	-10000	-1.731602	20	PASS

Appendix E: Duty Cycle

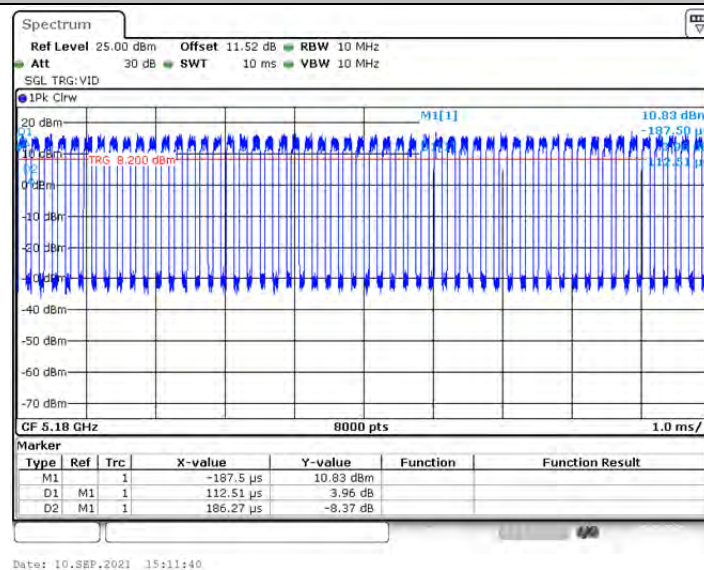
Test Result

Test Mode	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
802.11a	5180	0.11	0.19	60.40	9.09	10
	5200	0.11	0.19	60.67	9.09	10
	5240	0.11	0.19	60.40	9.09	10
	5260	0.11	0.19	60.67	9.09	10
	5280	0.11	0.19	60.40	9.09	10
	5320	0.11	0.19	60.40	9.09	10
	5500	0.11	0.19	60.40	9.09	10
	5580	0.11	0.19	60.00	9.09	10
	5700	0.11	0.19	60.40	9.09	10
	5745	0.11	0.19	60.40	9.09	10
	5785	0.11	0.19	60.40	9.09	10
	5825	0.11	0.19	60.40	9.09	10
802.11n(HT20)	5180	0.11	0.19	60.40	9.09	10
	5200	0.11	0.20	57.69	9.09	10
	5240	0.11	0.19	60.40	9.09	10
	5260	0.11	0.19	60.14	9.09	10
	5280	0.11	0.19	60.14	9.09	10
	5320	0.11	0.19	60.14	9.09	10
	5500	0.11	0.19	60.40	9.09	10
	5580	0.11	0.19	60.40	9.09	10
	5700	0.11	0.19	60.40	9.09	10
	5745	0.11	0.19	60.40	9.09	10
	5785	0.11	0.19	60.14	9.09	10
	5825	0.11	0.19	60.40	9.09	10
802.11n(HT40)	5190	0.07	0.15	49.57	14.29	20
	5230	0.07	0.16	46.77	14.29	20
	5270	0.07	0.15	50.00	14.29	20
	5310	0.07	0.15	49.57	14.29	20
	5510	0.07	0.15	49.57	14.29	20
	5550	0.07	0.15	49.57	14.29	20
	5670	0.07	0.15	49.57	14.29	20
	5755	0.07	0.15	50.00	14.29	20
	5795	0.07	0.15	49.57	14.29	20
802.11ac(VHT20)	5180	0.12	0.19	61.94	8.33	10
	5200	0.12	0.19	61.94	8.33	10
	5240	0.12	0.19	61.29	8.33	10
	5260	0.12	0.19	61.94	8.33	10
	5280	0.12	0.19	61.94	8.33	10
	5320	0.12	0.19	61.29	8.33	10
	5500	0.12	0.19	61.94	8.33	10

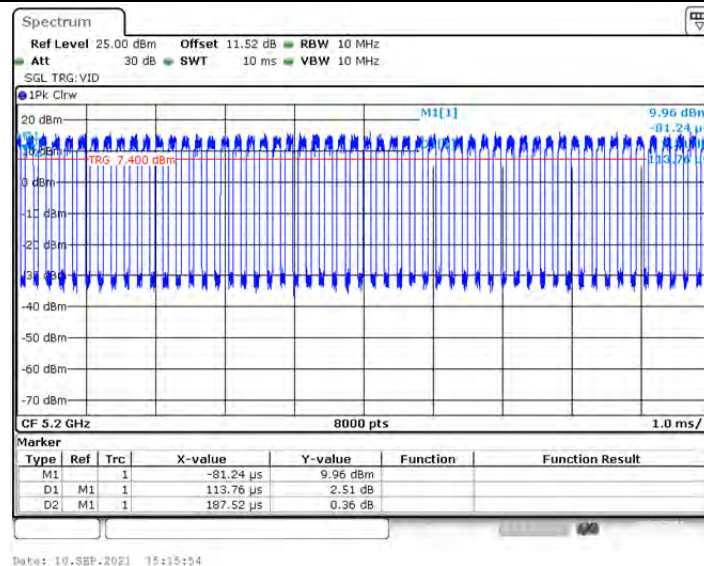
	5580	0.12	0.19	61.29	8.33	10
	5700	0.12	0.19	61.94	8.33	10
	5745	0.12	0.19	61.29	8.33	10
	5785	0.12	0.19	61.94	8.33	10
	5825	0.12	0.19	61.94	8.33	10
802.11ac(VHT40)	5190	0.08	0.16	52.42	12.50	20
	5230	0.08	0.15	52.03	12.50	20
	5270	0.08	0.16	51.61	12.50	20
	5310	0.08	0.16	51.61	12.50	20
	5510	0.08	0.15	52.03	12.50	20
	5550	0.08	0.15	52.03	12.50	20
	5670	0.08	0.15	52.03	12.50	20
	5755	0.08	0.15	52.03	12.50	20
	5795	0.08	0.15	52.03	12.50	20
802.11ac(VHT80)	5210	0.06	0.13	44.76	16.67	20
	5290	0.06	0.13	44.76	16.67	20
	5530	0.06	0.13	44.34	16.67	20
	5610	0.06	0.13	44.34	16.67	20
	5775	0.06	0.13	44.34	16.67	20

Test Graphs

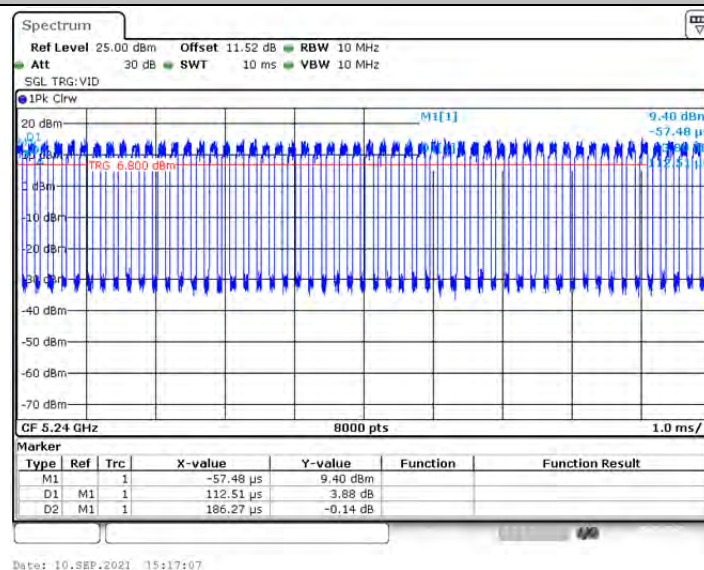
802.11a_5180



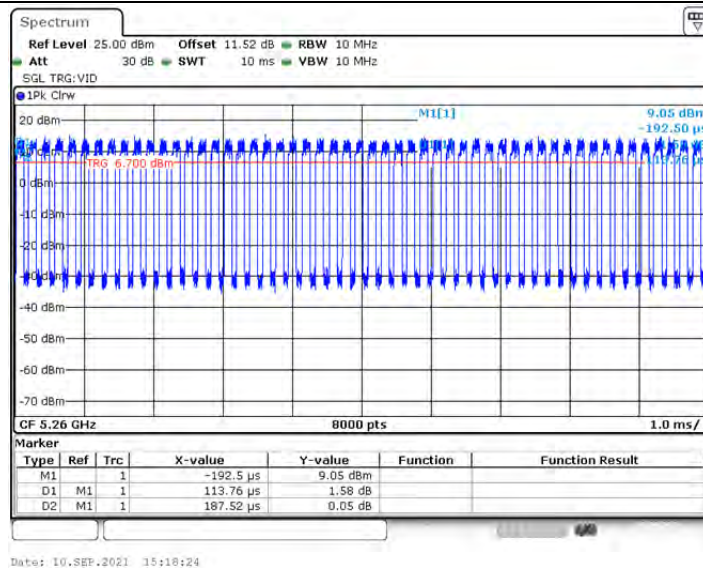
802.11a_5200



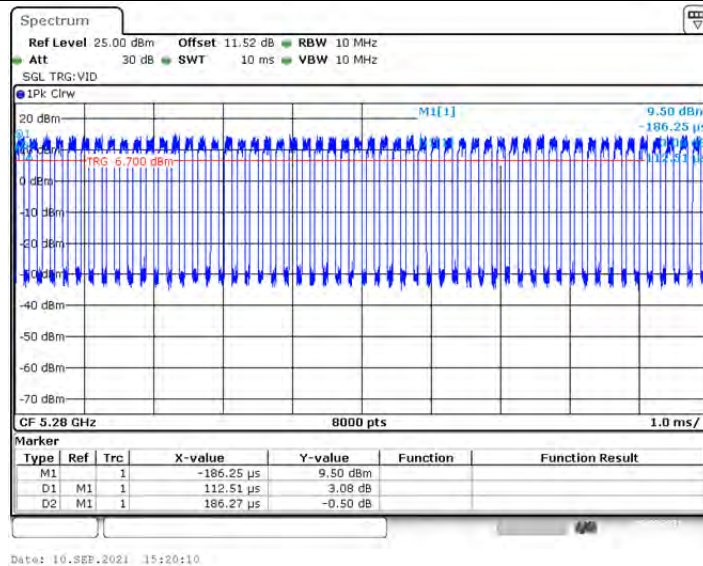
802.11a_5240



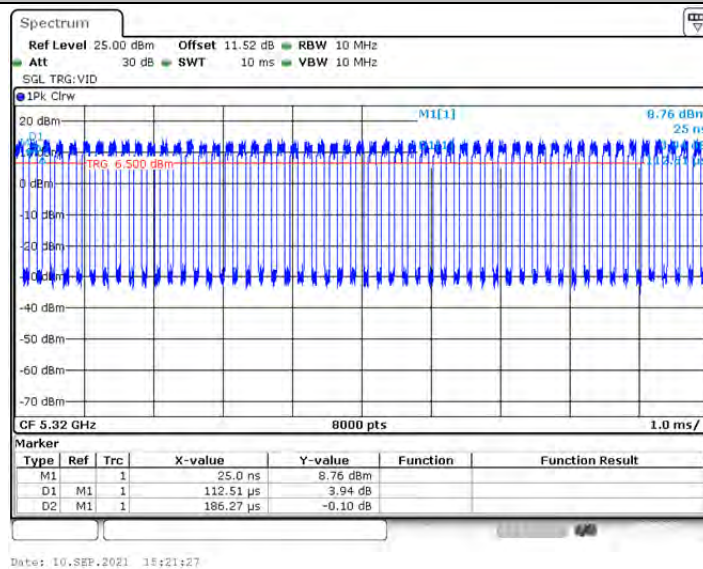
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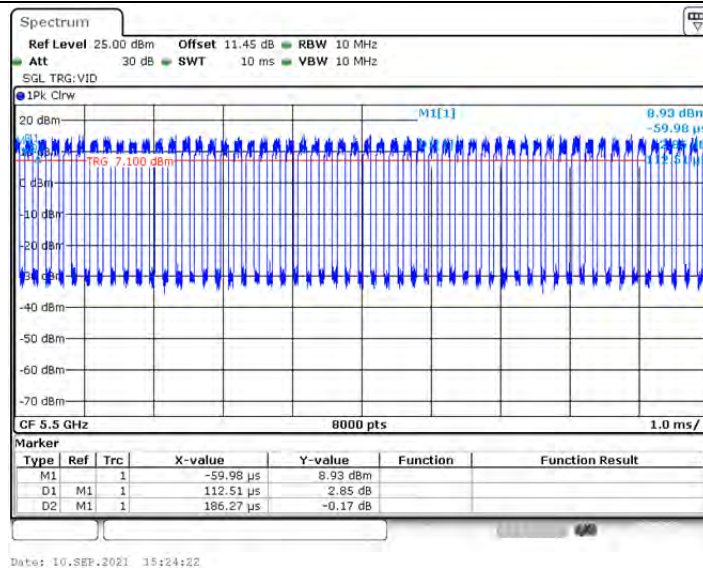
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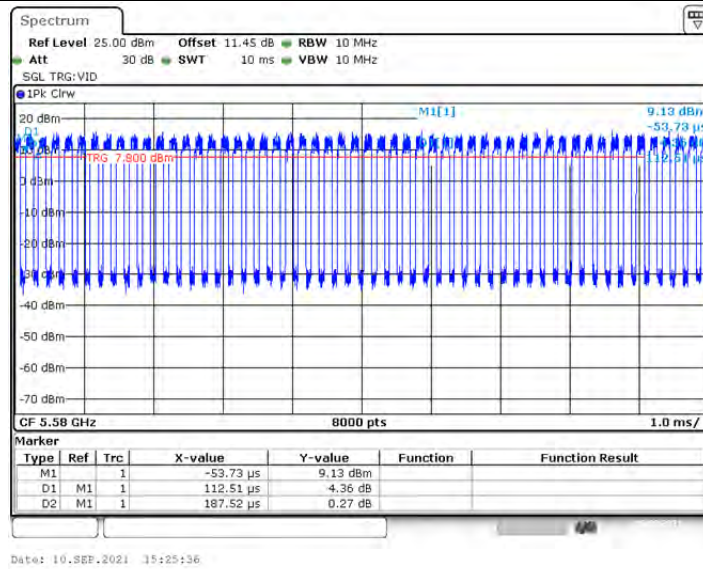
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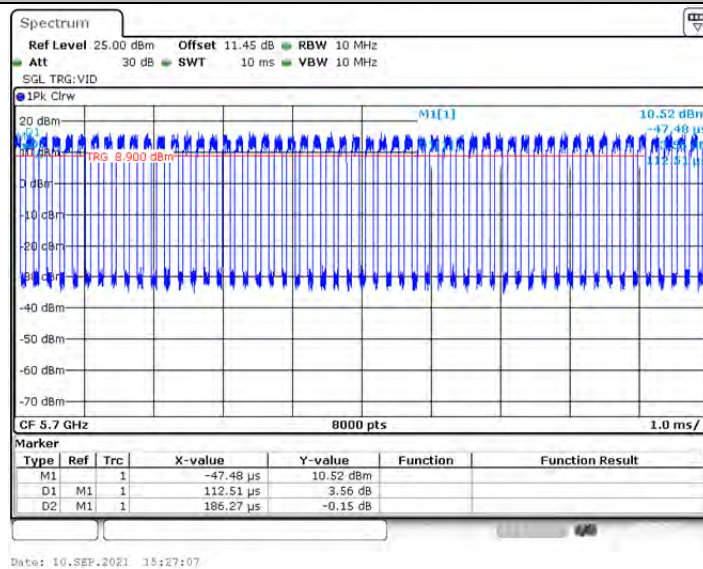
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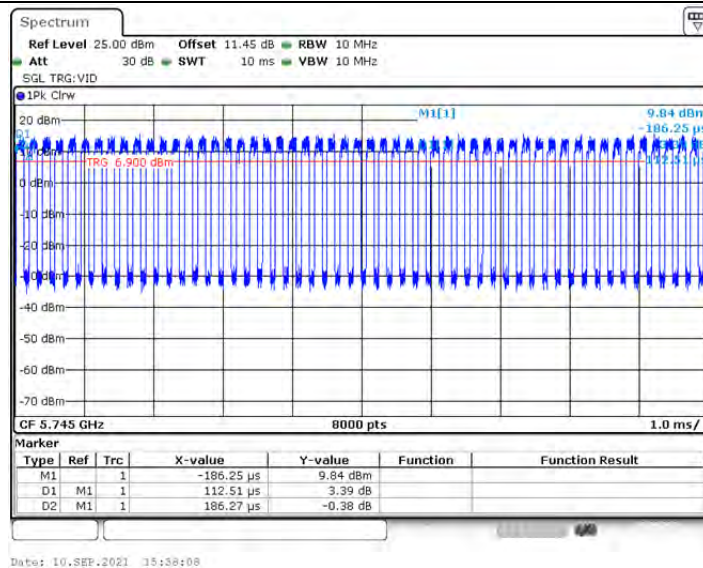
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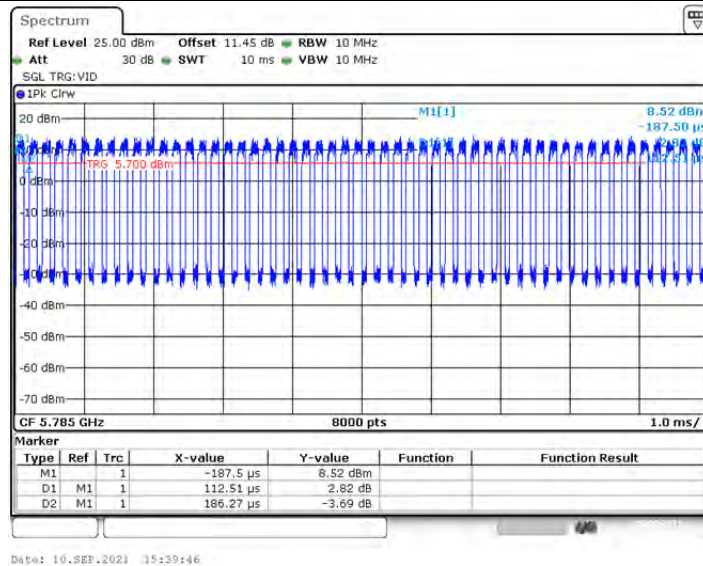
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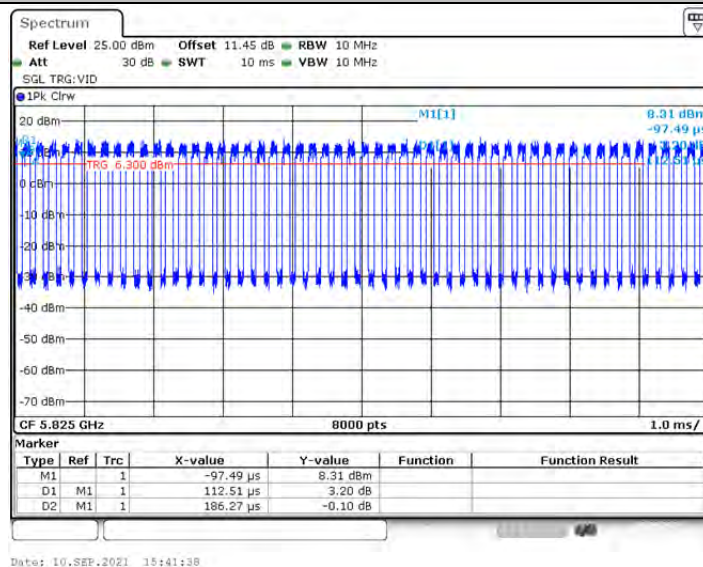
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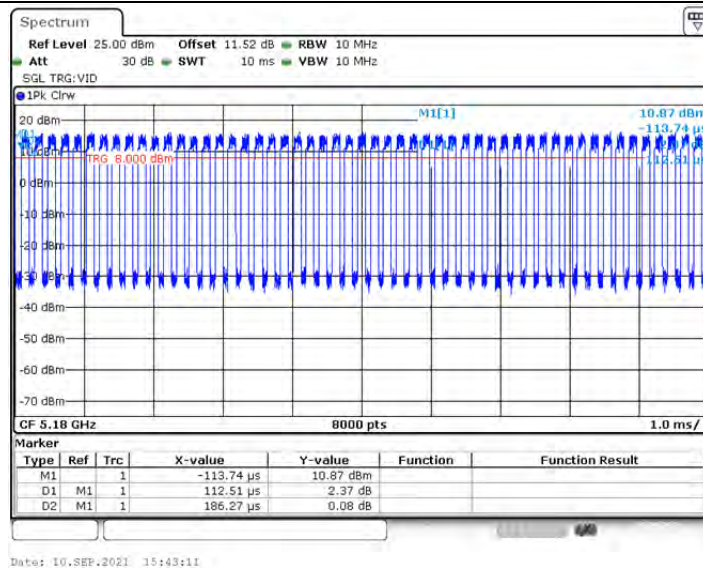
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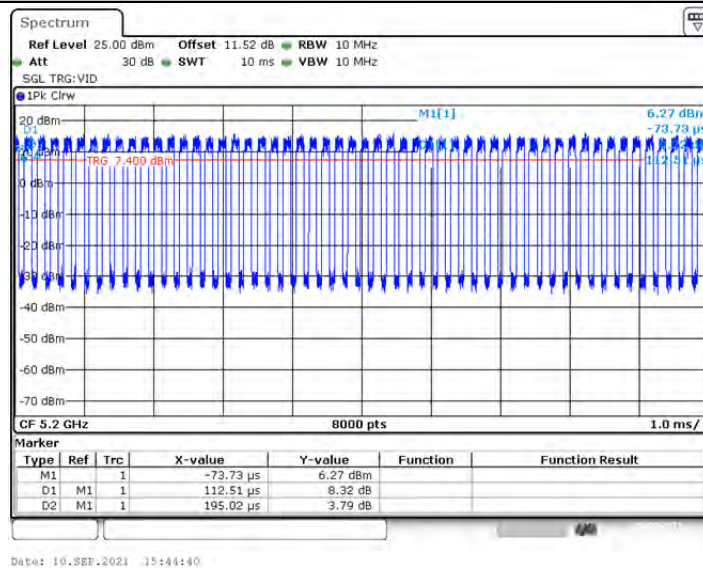
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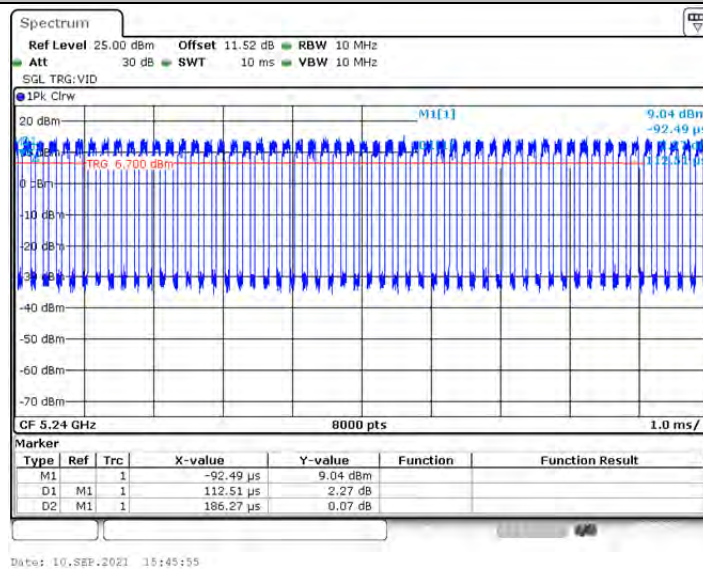
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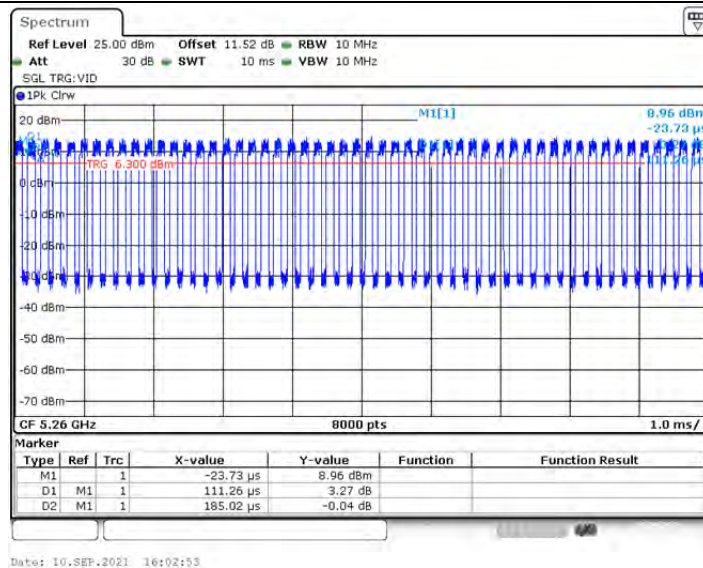
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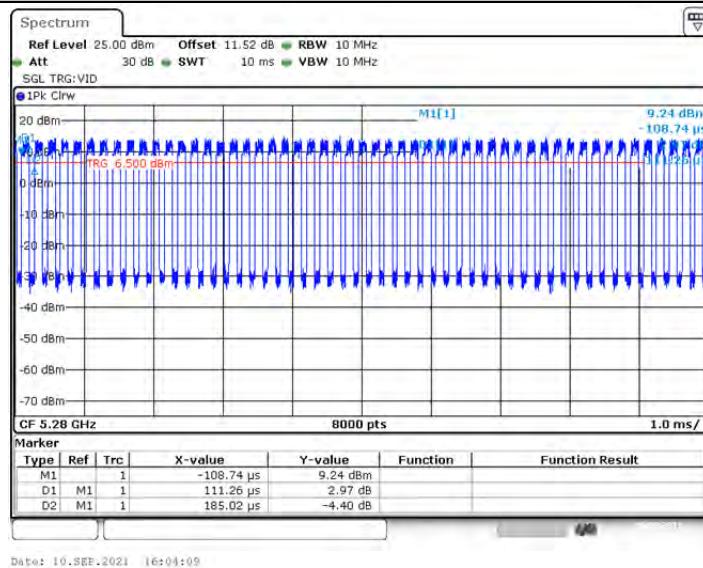
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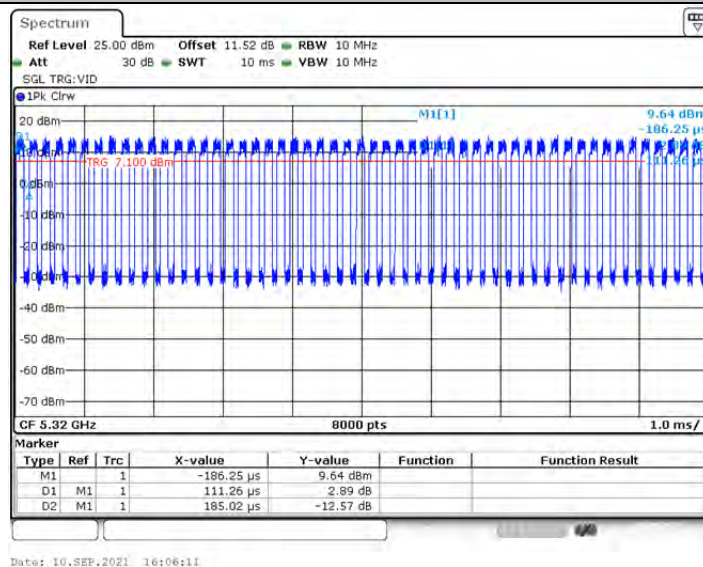
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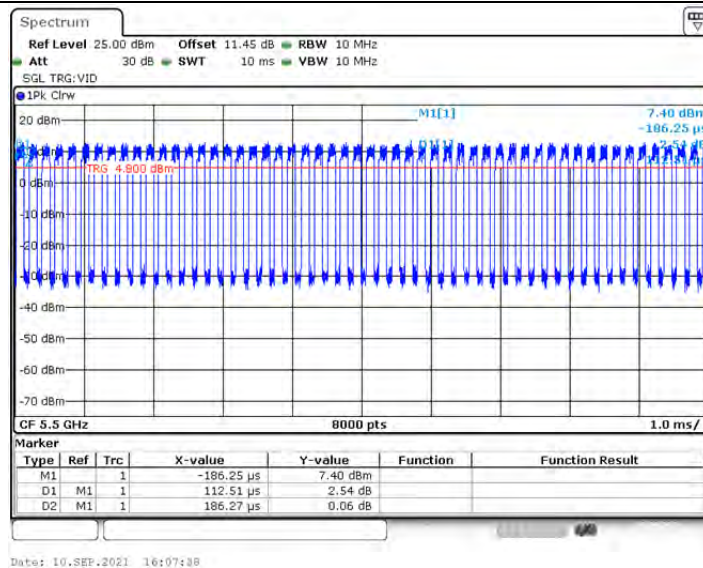
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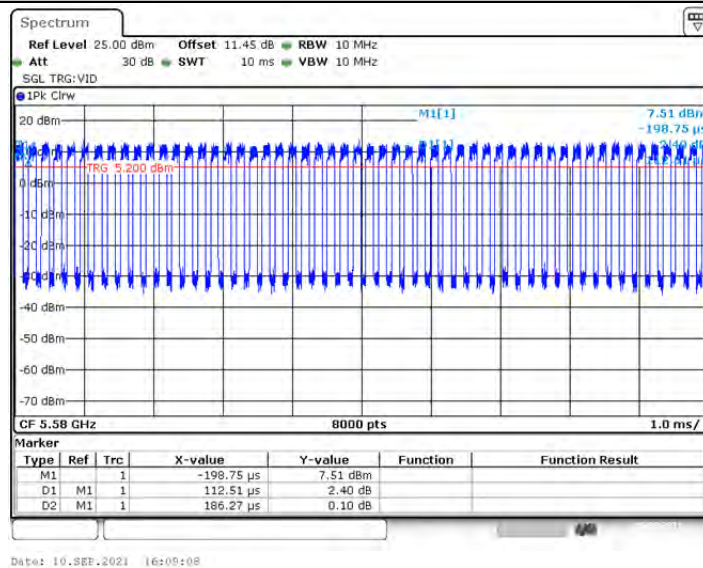
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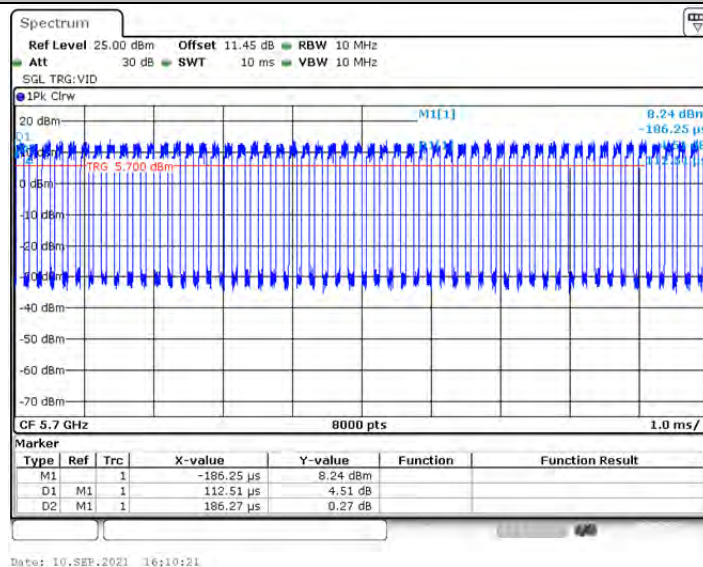
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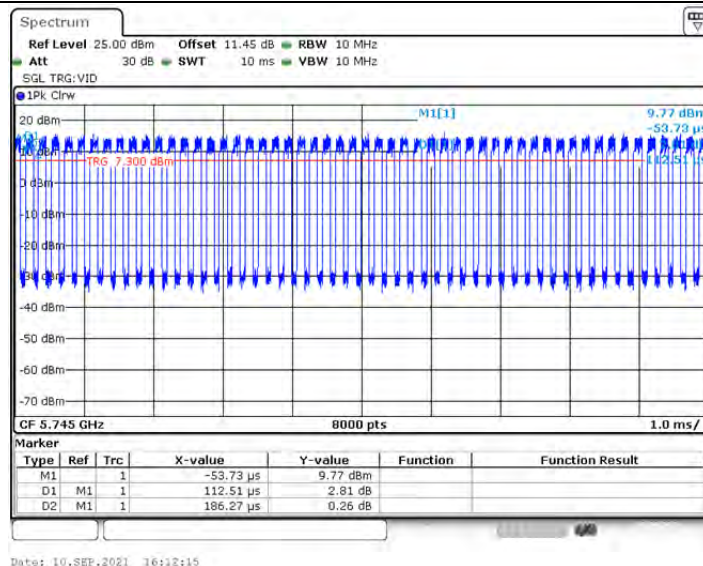
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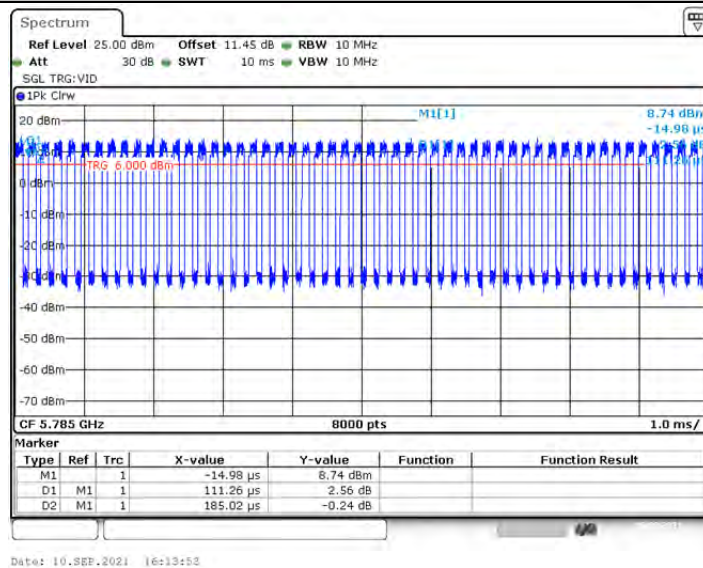
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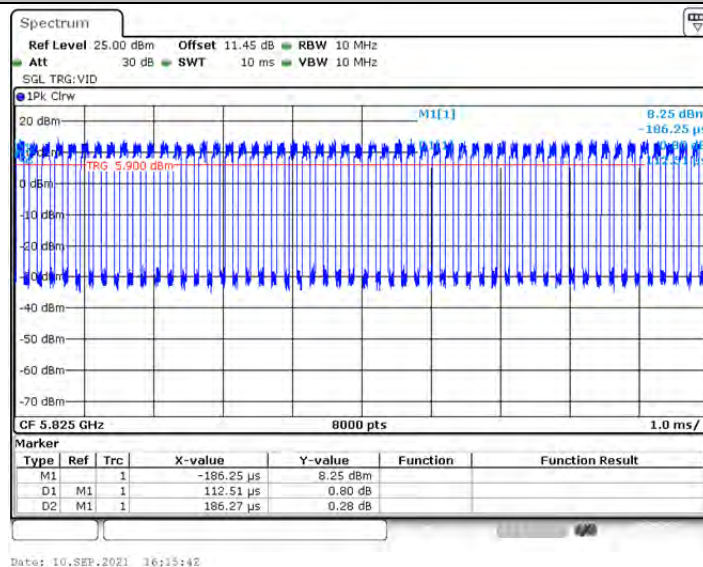
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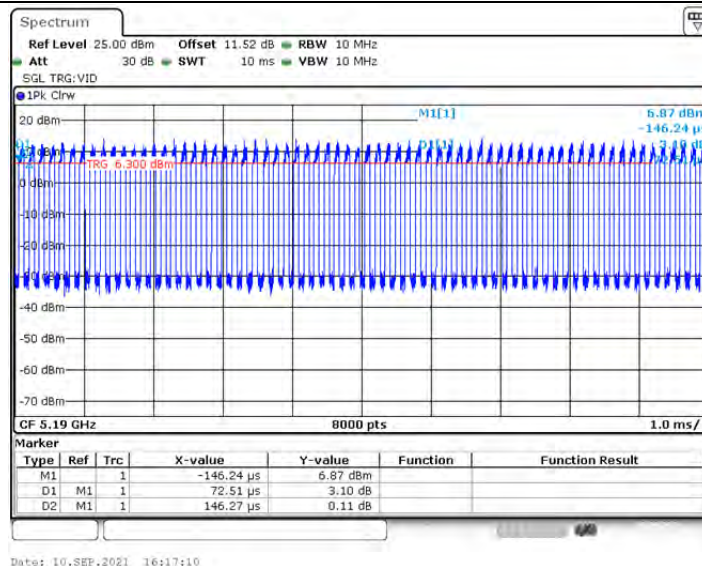
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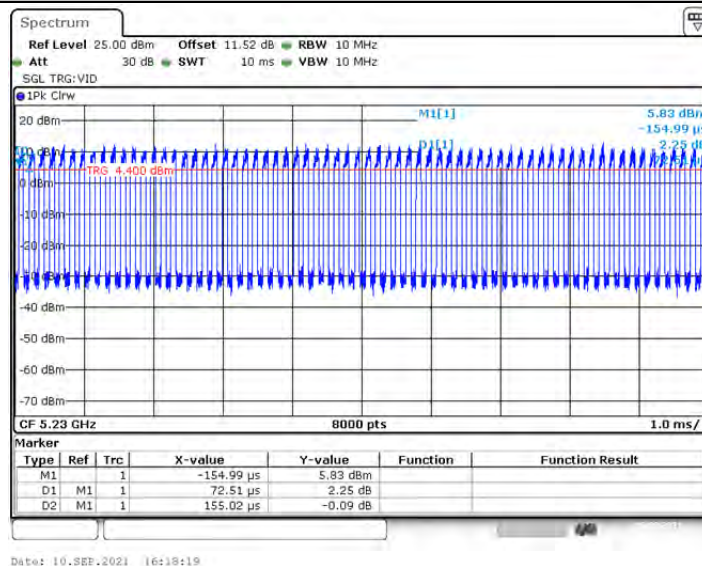
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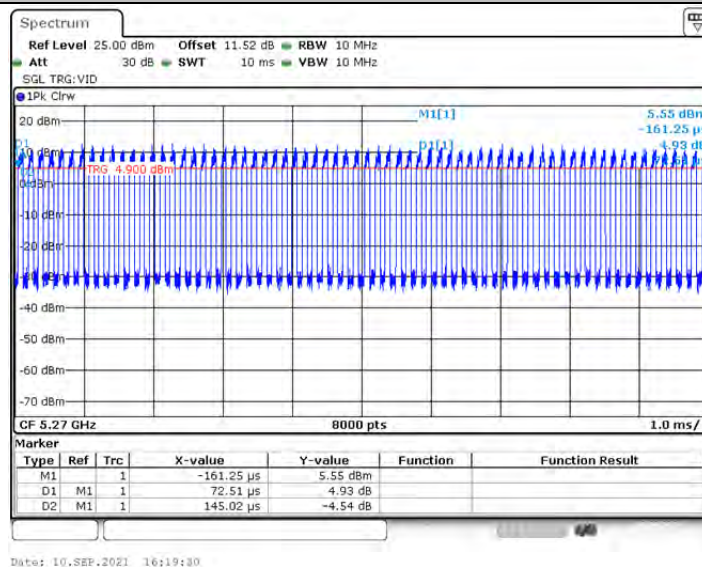
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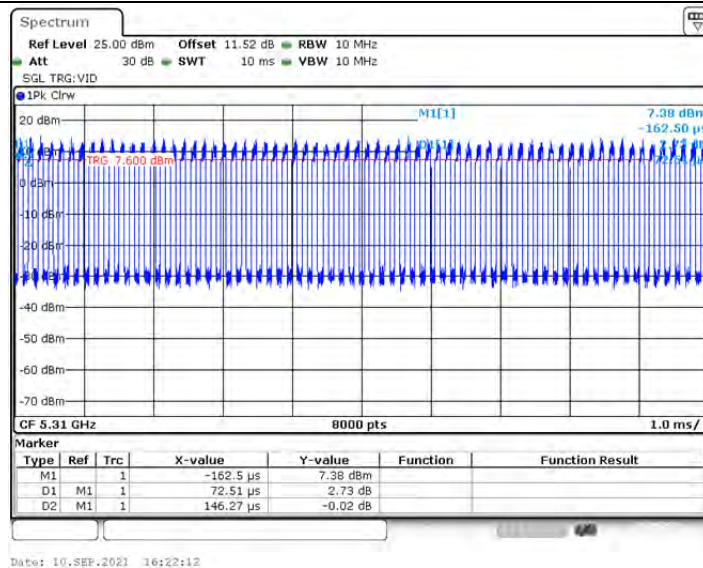
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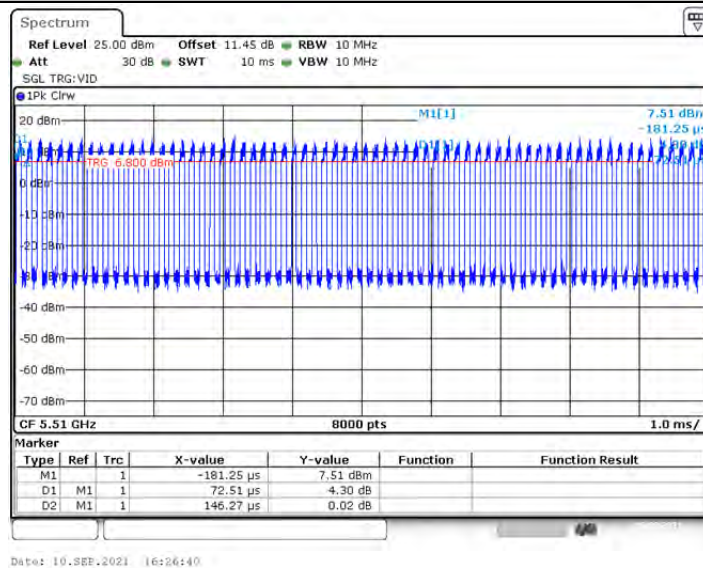
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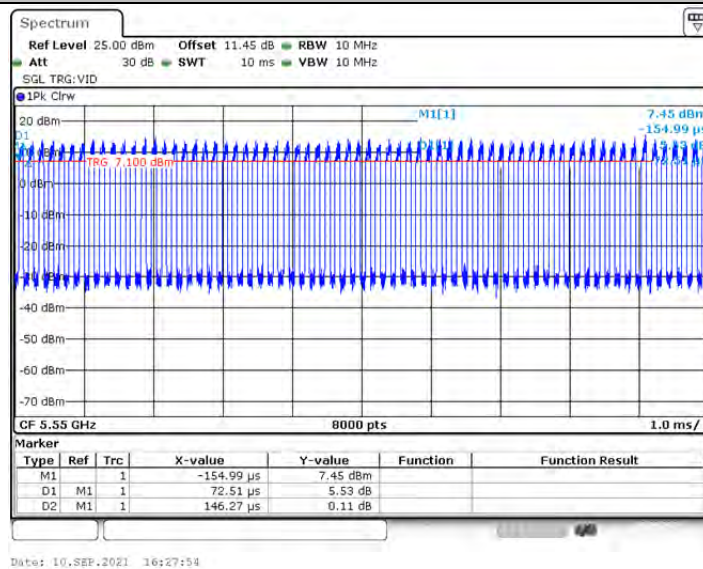
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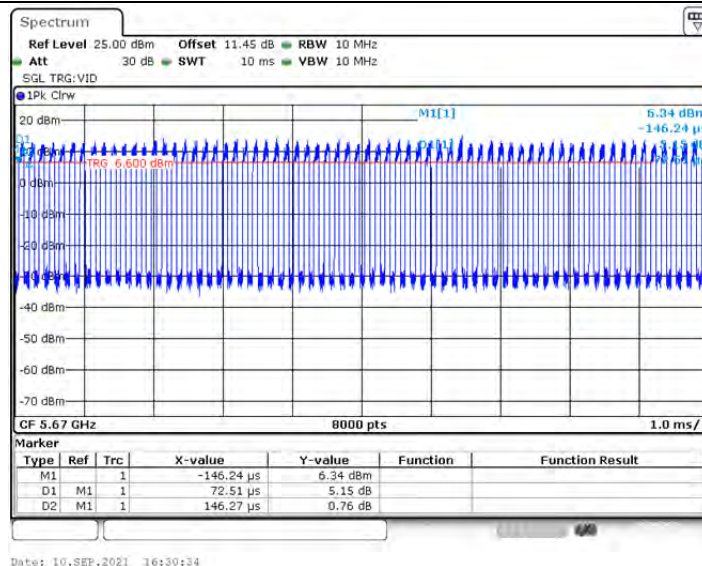
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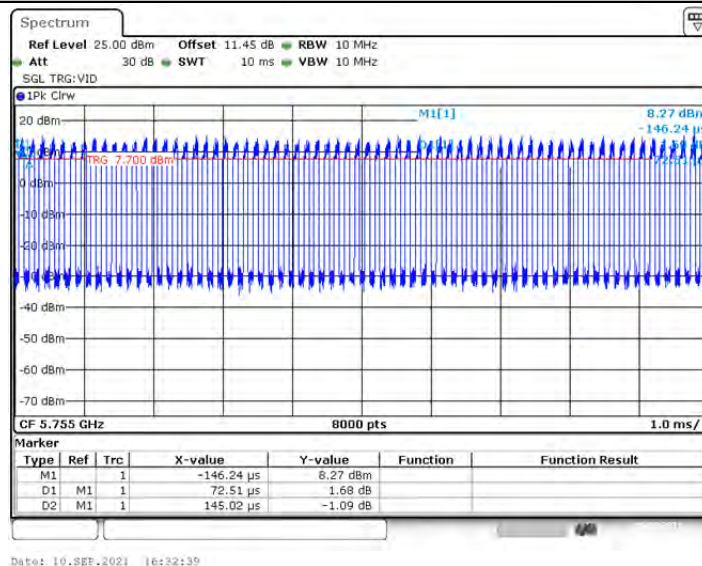
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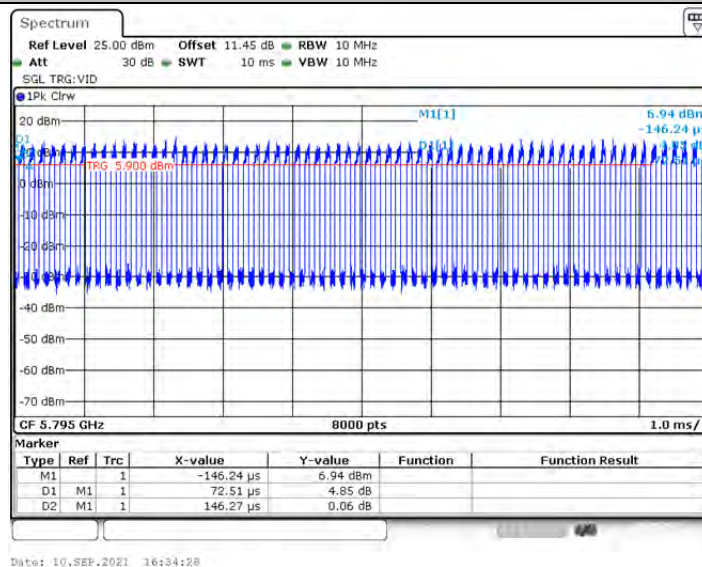
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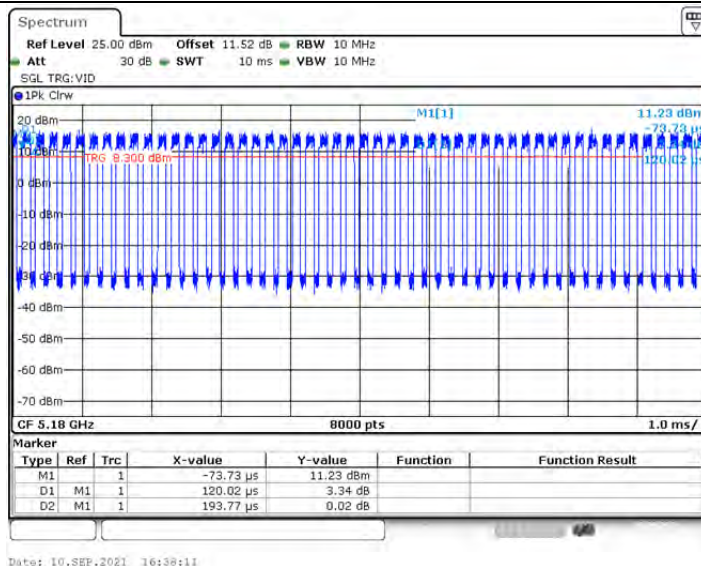
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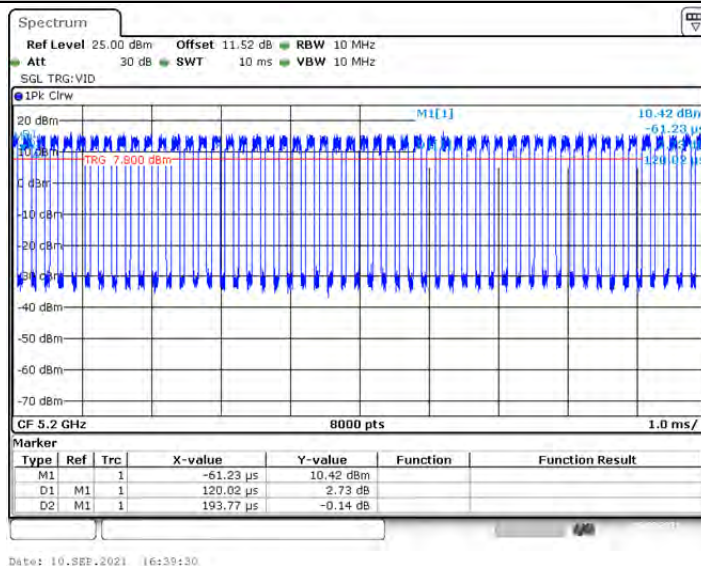
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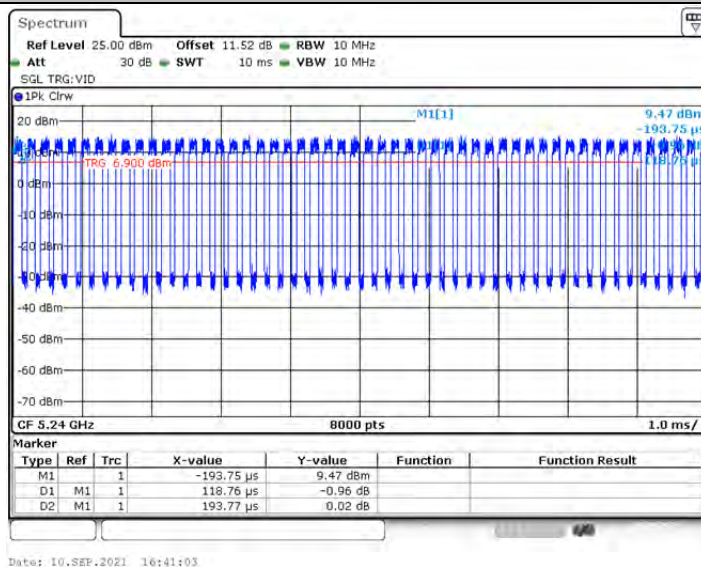
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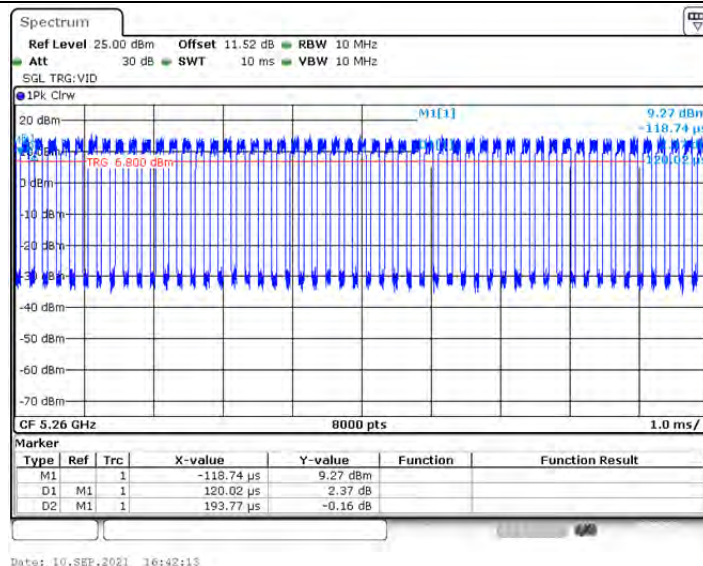
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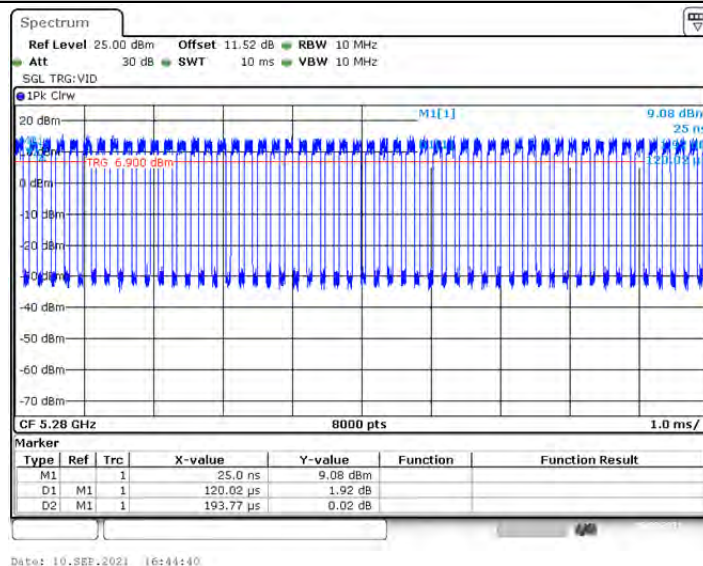
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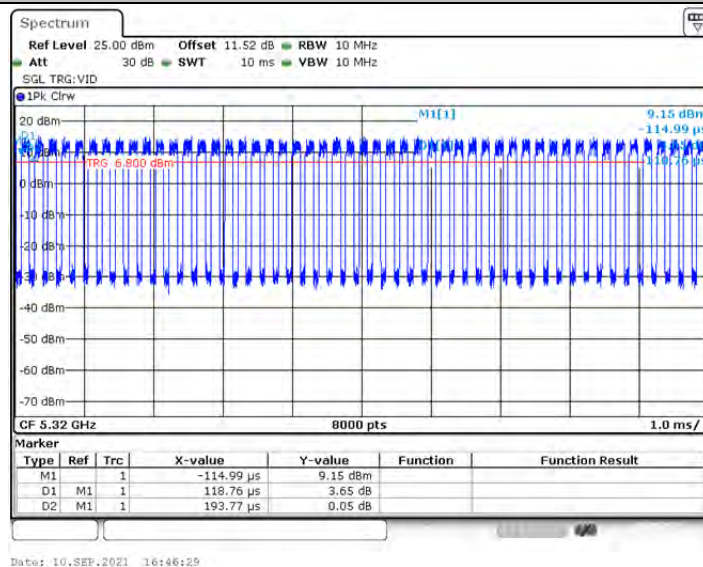
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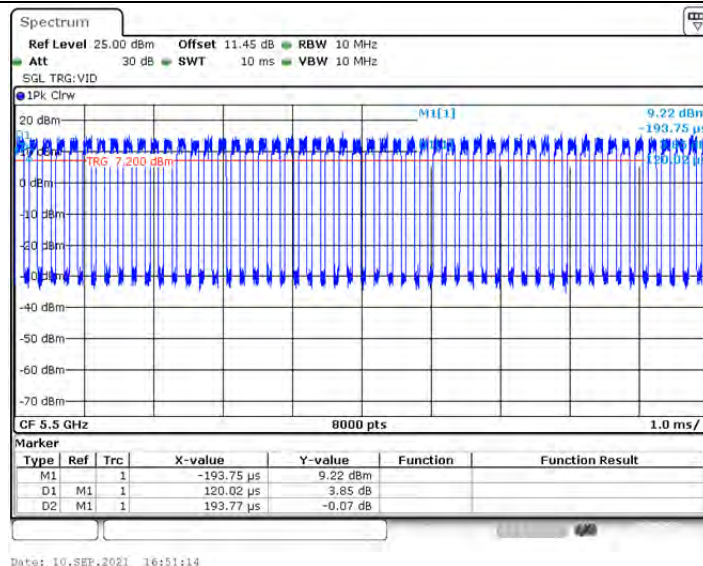
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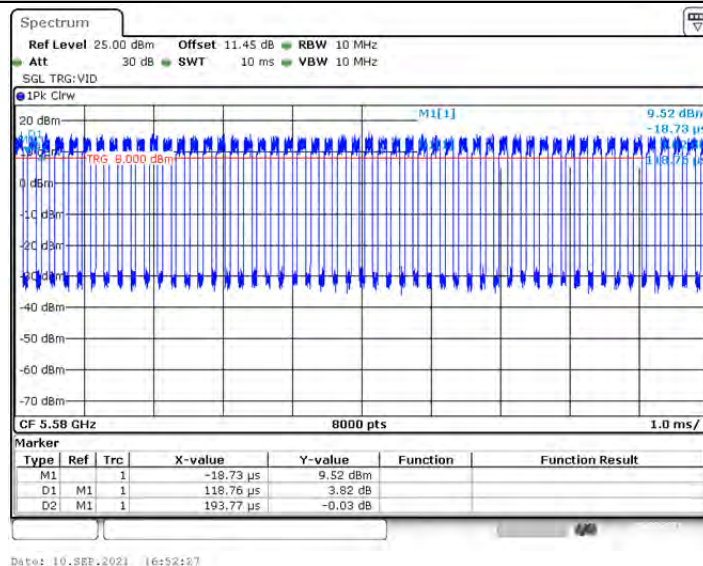
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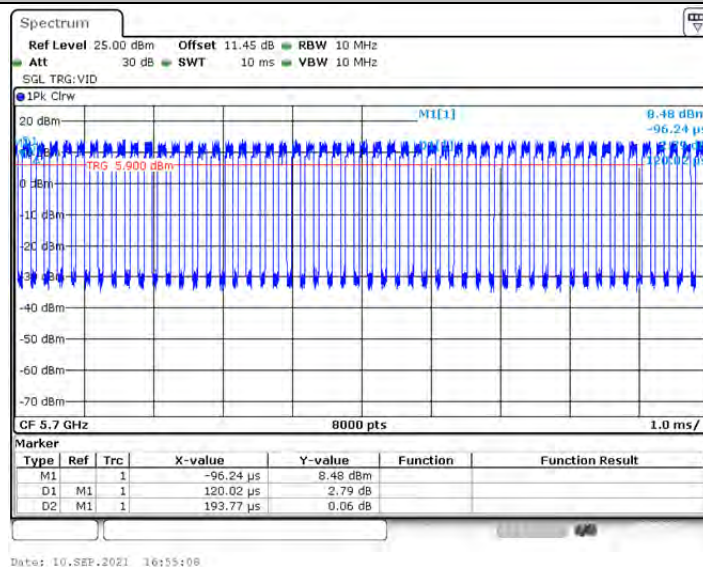
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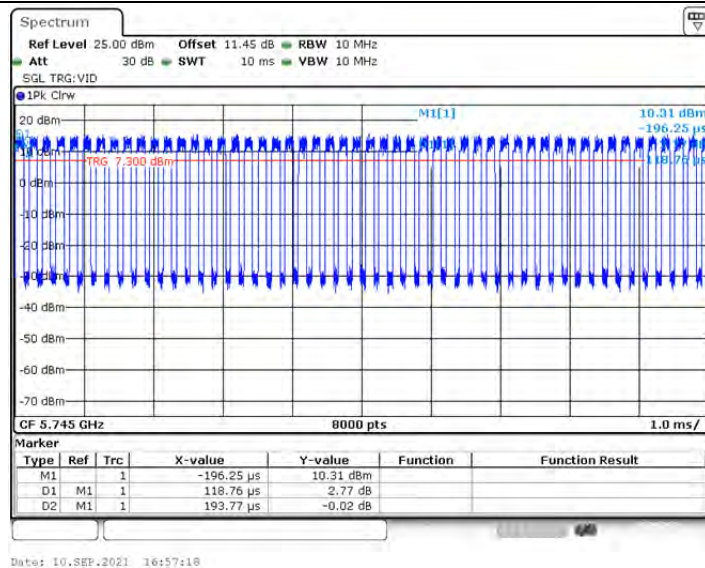
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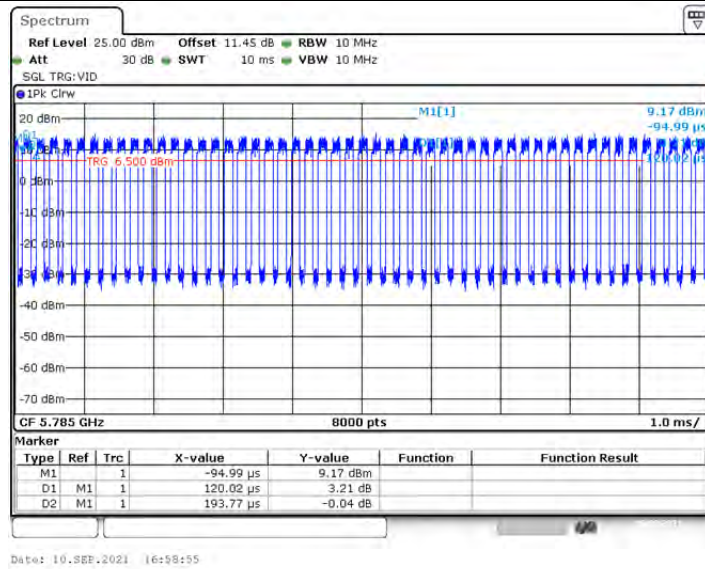
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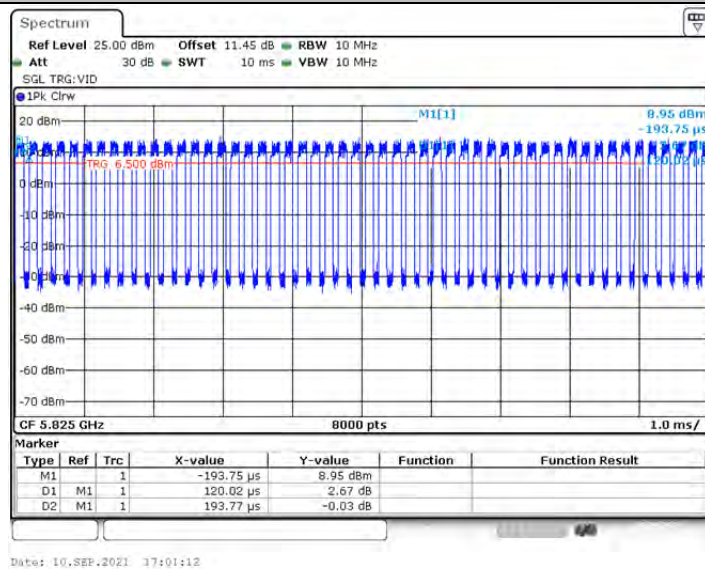
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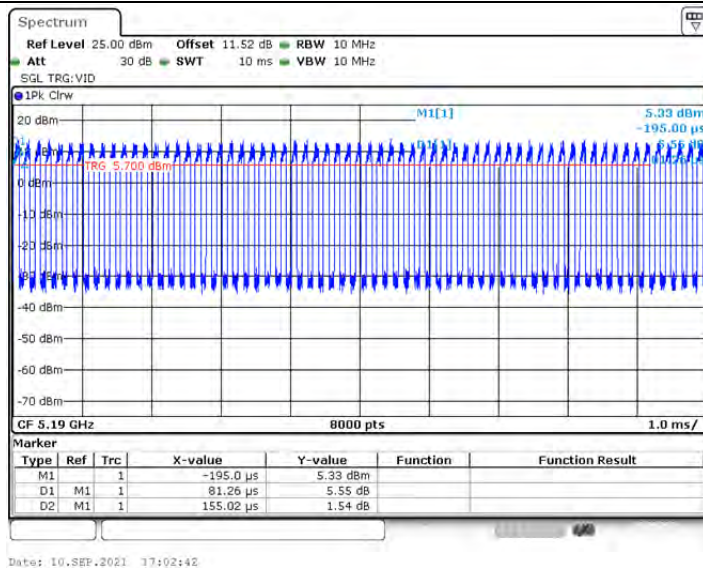
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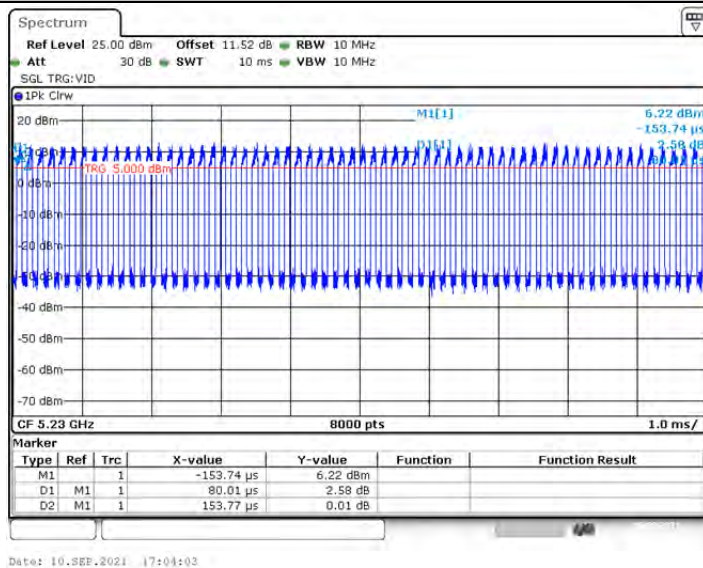
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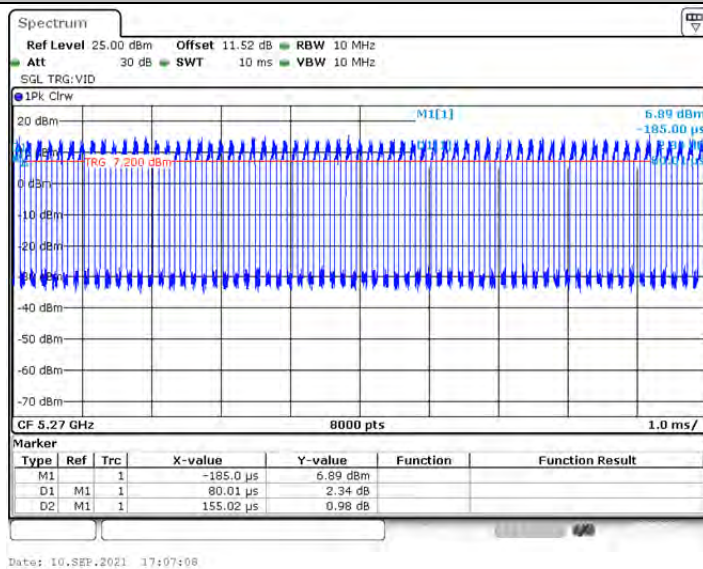
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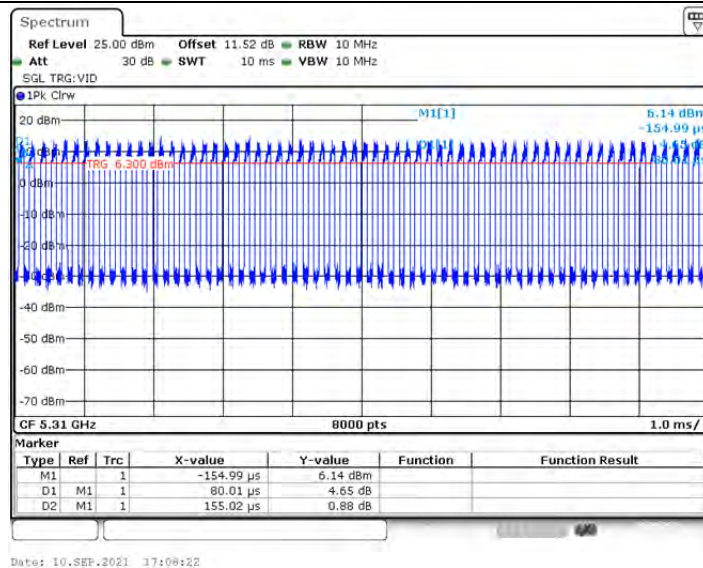
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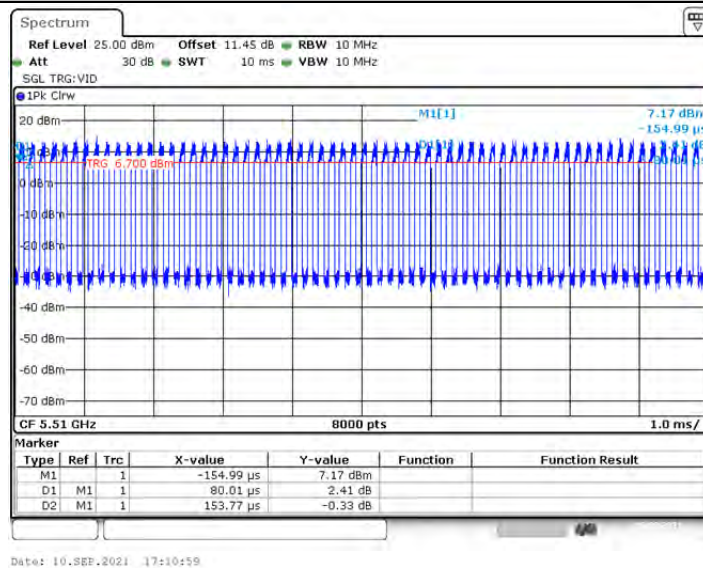
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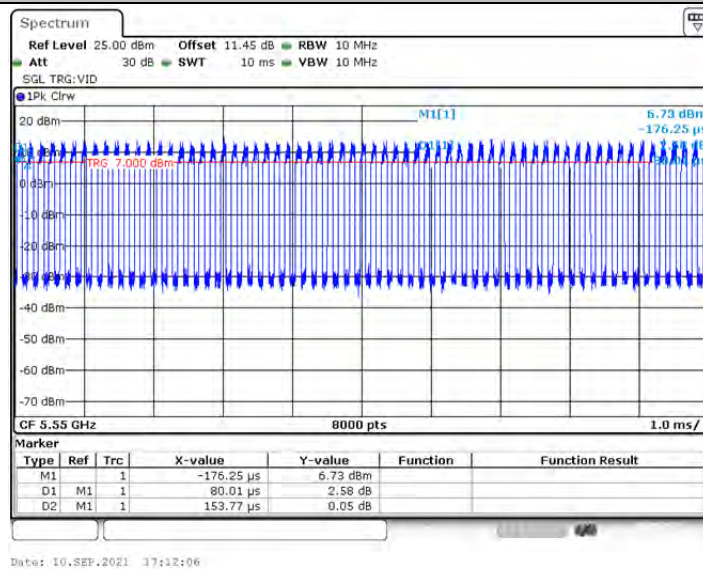
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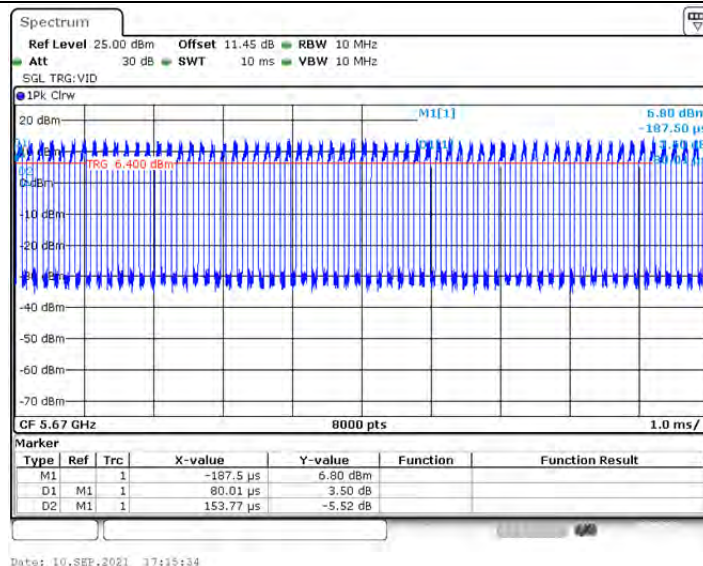
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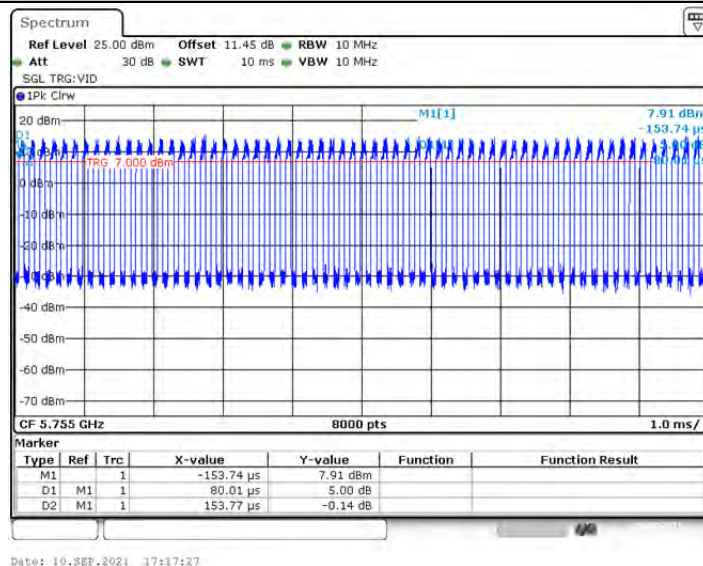
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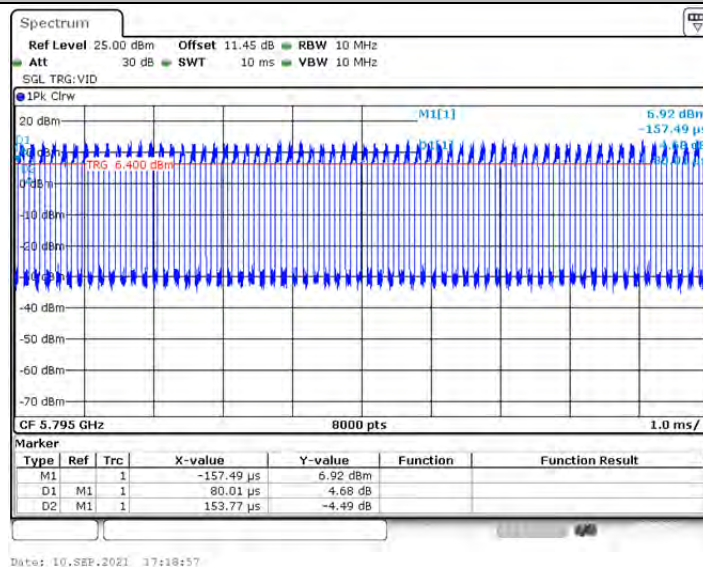
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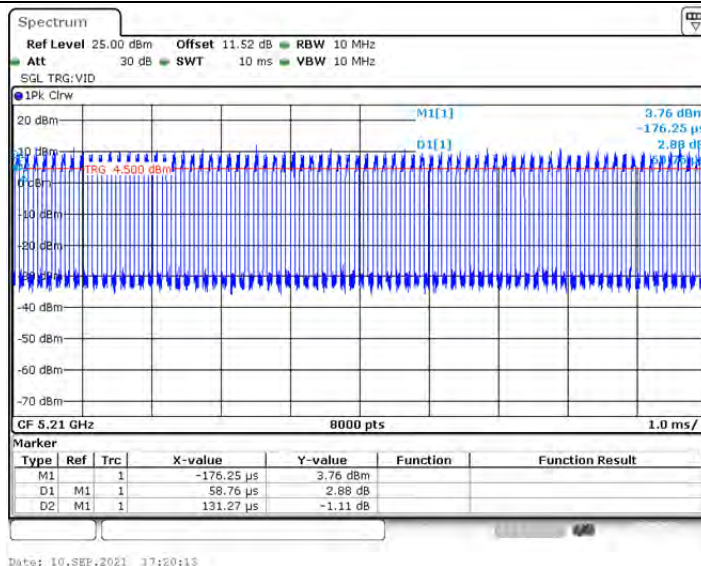
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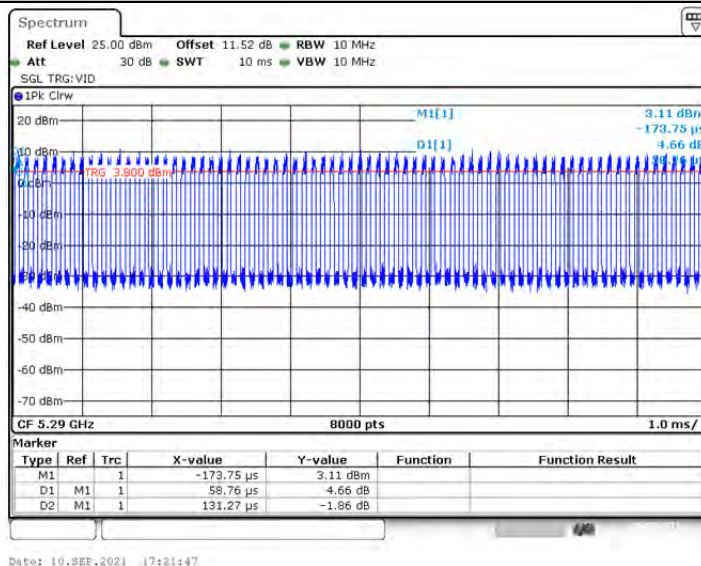
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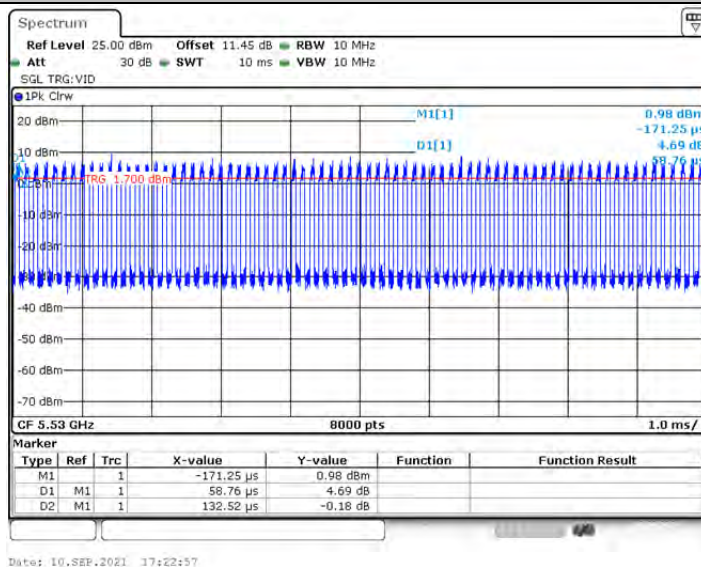
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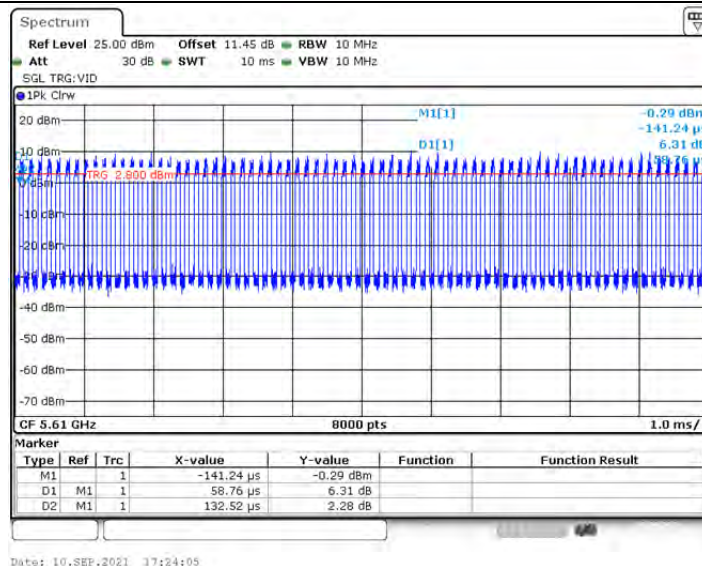
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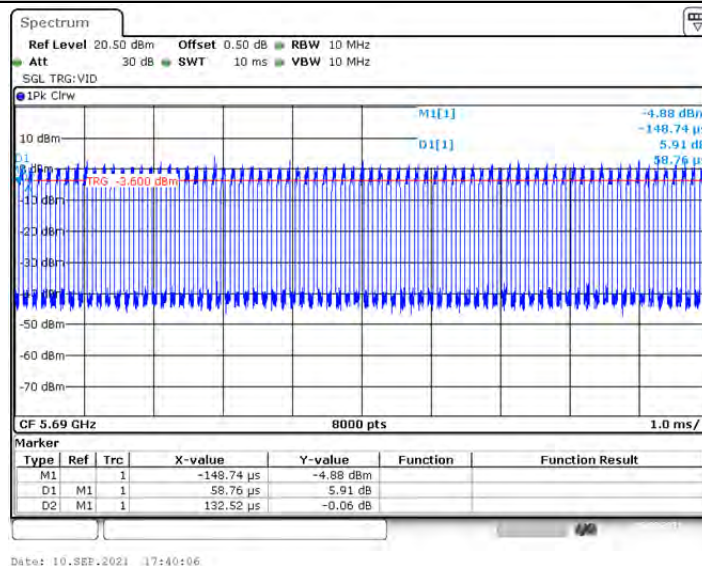
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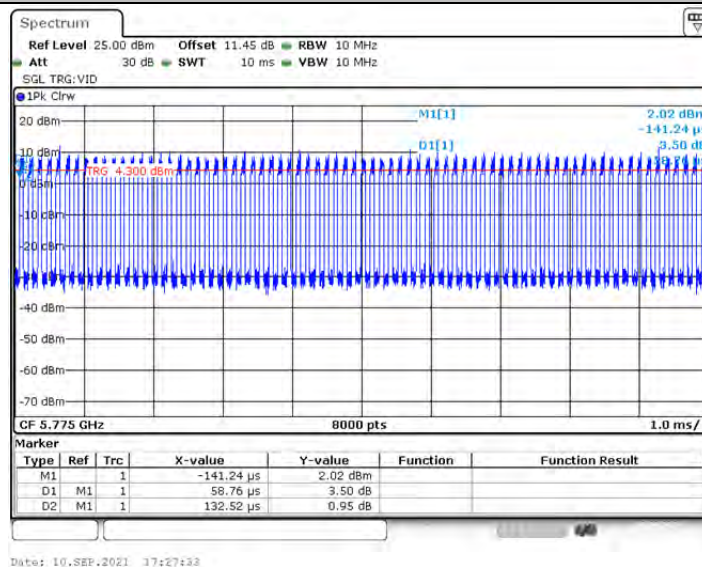
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802.11ac(VHT80)_5690



802.11ac(VHT80)_5775



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