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Appendix for 5G WIFI

FCC ID: 2A3AB-UNO5

Applicant: Foxstar Technology Co., Ltd.

Address: No.366, Xinchen West Road, High-tech Zone, Nanyang City, China

Product Name: LCD PROJECTOR

Product Model: Q1

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Appendix A1: Emission Bandwidth

Test Result

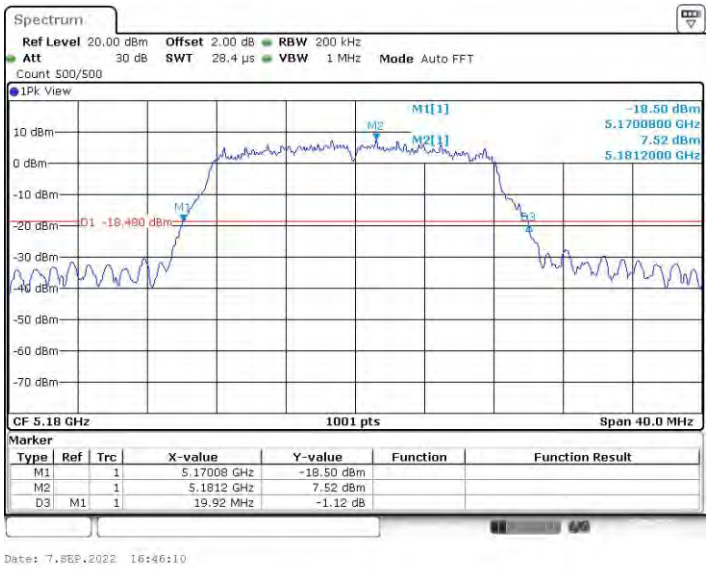
TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.92	5170.08	5190.00	---	PASS
	Ant2	5180	19.64	5170.28	5189.92	---	PASS
	Ant1	5200	21.96	5189.64	5211.60	---	PASS
	Ant2	5200	20.52	5189.64	5210.16	---	PASS
	Ant1	5240	20.68	5229.52	5250.20	---	PASS
	Ant2	5240	20.56	5229.60	5250.16	---	PASS
	Ant1	5260	20.08	5249.80	5269.88	---	PASS
	Ant2	5260	19.84	5250.00	5269.84	---	PASS
	Ant1	5280	20.32	5269.72	5290.04	---	PASS
	Ant2	5280	20.48	5269.60	5290.08	---	PASS
	Ant1	5320	19.76	5310.08	5329.84	---	PASS
	Ant2	5320	19.88	5310.08	5329.96	---	PASS
	Ant1	5500	19.88	5490.08	5509.96	---	PASS
	Ant2	5500	20.24	5489.80	5510.04	---	PASS
	Ant1	5580	20.48	5569.60	5590.08	---	PASS
	Ant2	5580	20.04	5569.84	5589.88	---	PASS
	Ant1	5700	22.60	5688.32	5710.92	---	PASS
	Ant2	5700	20.36	5689.60	5709.96	---	PASS
	Ant1	5745	22.68	5734.48	5757.16	---	PASS
	Ant2	5745	20.52	5734.64	5755.16	---	PASS
	Ant1	5785	20.88	5774.44	5795.32	---	PASS
	Ant2	5785	19.64	5774.96	5794.60	---	PASS
	Ant1	5825	20.28	5814.84	5835.12	---	PASS
	Ant2	5825	20.44	5814.72	5835.16	---	PASS
11N20MIMO	Ant1	5180	20.40	5169.80	5190.20	---	PASS
	Ant2	5180	20.00	5169.96	5189.96	---	PASS
	Ant1	5200	20.28	5189.84	5210.12	---	PASS
	Ant2	5200	20.16	5189.88	5210.04	---	PASS
	Ant1	5240	20.00	5229.84	5249.84	---	PASS
	Ant2	5240	20.28	5229.80	5250.08	---	PASS
	Ant1	5260	20.12	5249.96	5270.08	---	PASS
	Ant2	5260	20.00	5249.96	5269.96	---	PASS
	Ant1	5280	20.20	5269.88	5290.08	---	PASS
	Ant2	5280	20.12	5269.92	5290.04	---	PASS
	Ant1	5320	20.28	5309.88	5330.16	---	PASS
	Ant2	5320	20.08	5309.84	5329.92	---	PASS
	Ant1	5500	20.04	5489.88	5509.92	---	PASS

	Ant2	5500	20.20	5489.84	5510.04	---	PASS
	Ant1	5580	20.12	5569.84	5589.96	---	PASS
	Ant2	5580	20.04	5569.84	5589.88	---	PASS
	Ant1	5700	20.04	5689.88	5709.92	---	PASS
	Ant2	5700	20.32	5689.72	5710.04	---	PASS
	Ant1	5745	20.04	5734.96	5755.00	---	PASS
	Ant2	5745	20.00	5735.04	5755.04	---	PASS
	Ant1	5785	20.28	5774.72	5795.00	---	PASS
	Ant2	5785	20.20	5774.84	5795.04	---	PASS
	Ant1	5825	20.04	5814.88	5834.92	---	PASS
	Ant2	5825	20.08	5814.84	5834.92	---	PASS
11N40MIMO	Ant1	5190	40.32	5169.84	5210.16	---	PASS
	Ant2	5190	40.00	5169.84	5209.84	---	PASS
	Ant1	5230	39.52	5210.16	5249.68	---	PASS
	Ant2	5230	41.52	5209.52	5251.04	---	PASS
	Ant1	5270	40.56	5249.76	5290.32	---	PASS
	Ant2	5270	40.00	5249.84	5289.84	---	PASS
	Ant1	5310	40.88	5289.44	5330.32	---	PASS
	Ant2	5310	39.84	5290.08	5329.92	---	PASS
	Ant1	5510	41.84	5489.28	5531.12	---	PASS
	Ant2	5510	39.36	5490.32	5529.68	---	PASS
	Ant1	5550	41.12	5529.20	5570.32	---	PASS
	Ant2	5550	40.16	5530.00	5570.16	---	PASS
	Ant1	5670	41.28	5649.20	5690.48	---	PASS
	Ant2	5670	40.00	5649.92	5689.92	---	PASS
	Ant1	5755	41.76	5734.12	5775.88	---	PASS
	Ant2	5755	40.96	5734.52	5775.48	---	PASS
	Ant1	5795	40.72	5774.36	5815.08	---	PASS
	Ant2	5795	39.68	5774.92	5814.60	---	PASS
11AC20MIMO	Ant1	5180	20.44	5169.72	5190.16	---	PASS
	Ant2	5180	19.96	5170.00	5189.96	---	PASS
	Ant1	5200	20.44	5189.68	5210.12	---	PASS
	Ant2	5200	20.28	5189.72	5210.00	---	PASS
	Ant1	5240	20.52	5229.68	5250.20	---	PASS
	Ant2	5240	20.48	5229.76	5250.24	---	PASS
	Ant1	5260	20.08	5249.92	5270.00	---	PASS
	Ant2	5260	19.84	5250.12	5269.96	---	PASS
	Ant1	5280	20.64	5269.64	5290.28	---	PASS
	Ant2	5280	19.88	5269.96	5289.84	---	PASS
	Ant1	5320	20.20	5309.92	5330.12	---	PASS
	Ant2	5320	19.96	5309.96	5329.92	---	PASS
	Ant1	5500	20.28	5489.84	5510.12	---	PASS
	Ant2	5500	20.48	5489.68	5510.16	---	PASS

	Ant1	5580	20.12	5569.96	5590.08	---	PASS
	Ant2	5580	19.84	5569.92	5589.76	---	PASS
	Ant1	5700	20.40	5689.68	5710.08	---	PASS
	Ant2	5700	20.00	5689.96	5709.96	---	PASS
	Ant1	5745	20.68	5734.72	5755.40	---	PASS
	Ant2	5745	20.04	5734.92	5754.96	---	PASS
	Ant1	5785	20.20	5774.88	5795.08	---	PASS
	Ant2	5785	20.24	5774.72	5794.96	---	PASS
	Ant1	5825	20.40	5814.72	5835.12	---	PASS
	Ant2	5825	20.00	5814.92	5834.92	---	PASS
11AC40MIMO	Ant1	5190	43.12	5169.36	5212.48	---	PASS
	Ant2	5190	39.84	5169.92	5209.76	---	PASS
	Ant1	5230	41.28	5209.20	5250.48	---	PASS
	Ant2	5230	40.24	5209.76	5250.00	---	PASS
	Ant1	5270	40.64	5249.36	5290.00	---	PASS
	Ant2	5270	40.48	5249.84	5290.32	---	PASS
	Ant1	5310	40.80	5289.44	5330.24	---	PASS
	Ant2	5310	40.16	5290.00	5330.16	---	PASS
	Ant1	5510	40.56	5489.68	5530.24	---	PASS
	Ant2	5510	40.08	5490.00	5530.08	---	PASS
	Ant1	5550	41.20	5529.04	5570.24	---	PASS
	Ant2	5550	40.16	5530.00	5570.16	---	PASS
	Ant1	5670	42.00	5648.88	5690.88	---	PASS
	Ant2	5670	39.52	5650.16	5689.68	---	PASS
	Ant1	5755	41.60	5734.12	5775.72	---	PASS
	Ant2	5755	39.92	5734.84	5774.76	---	PASS
	Ant1	5795	41.04	5774.28	5815.32	---	PASS
	Ant2	5795	39.20	5775.16	5814.36	---	PASS
11AC80MIMO	Ant1	5210	80.32	5169.84	5250.16	---	PASS
	Ant2	5210	79.68	5170.16	5249.84	---	PASS
	Ant1	5290	80.48	5250.16	5330.64	---	PASS
	Ant2	5290	79.36	5250.32	5329.68	---	PASS
	Ant1	5530	81.60	5489.36	5570.96	---	PASS
	Ant2	5530	79.36	5490.32	5569.68	---	PASS
	Ant1	5610	80.96	5568.88	5649.84	---	PASS
	Ant2	5610	79.04	5570.48	5649.52	---	PASS
	Ant1	5775	80.64	5734.84	5815.48	---	PASS
	Ant2	5775	79.52	5734.84	5814.36	---	PASS

Test Graphs

11A_Ant1_5180



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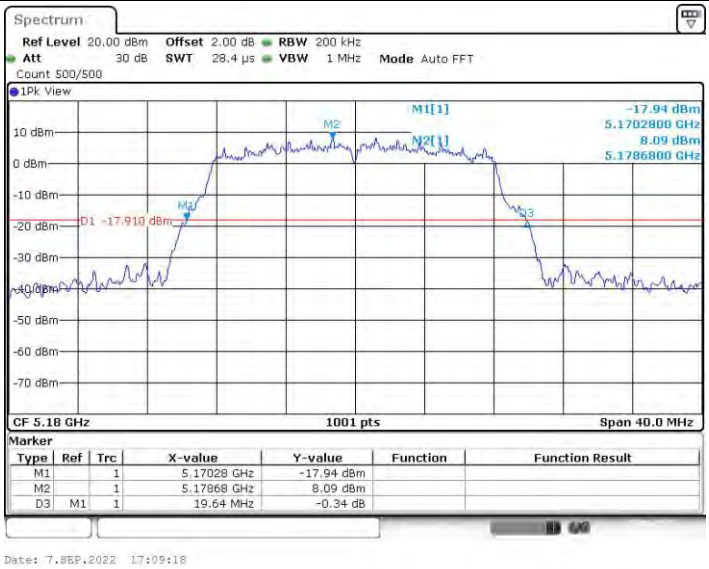

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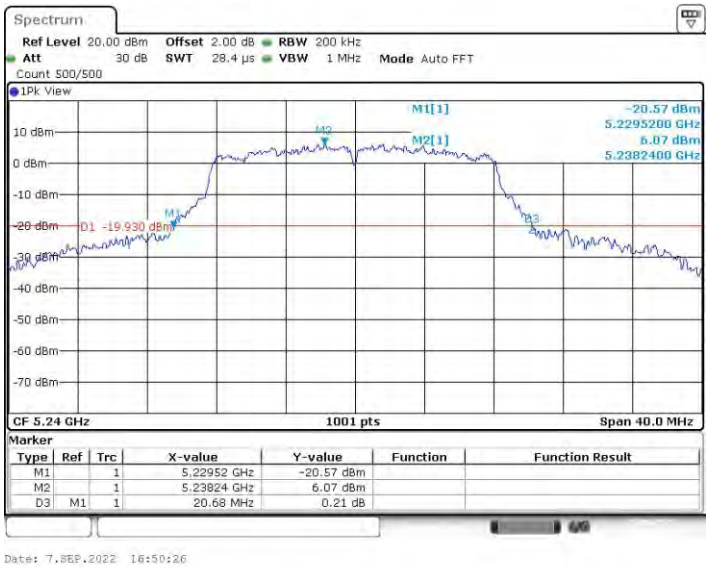
11A_Ant2_5200

11A_Ant1_5240



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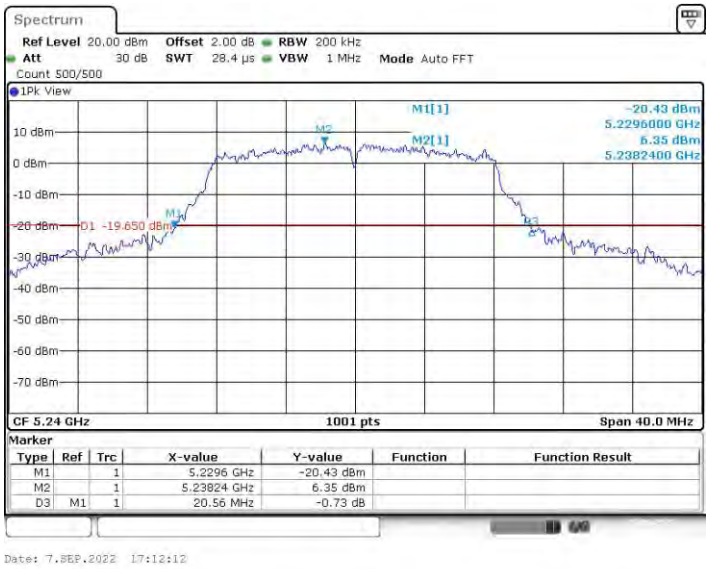

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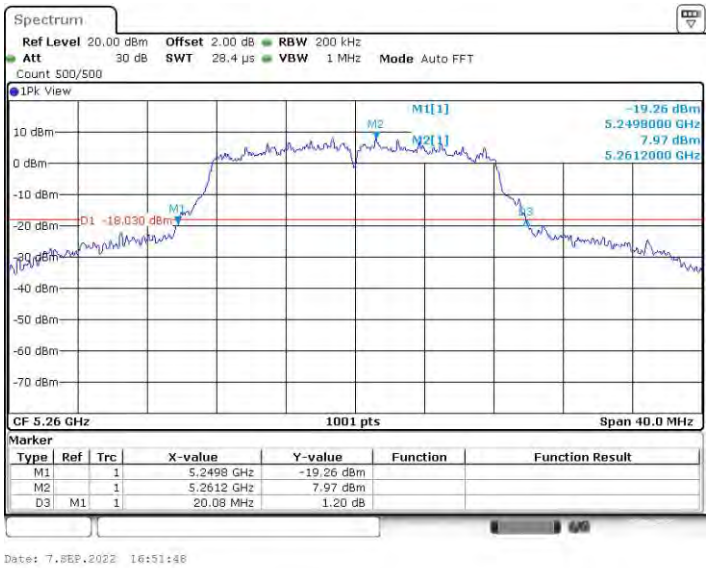

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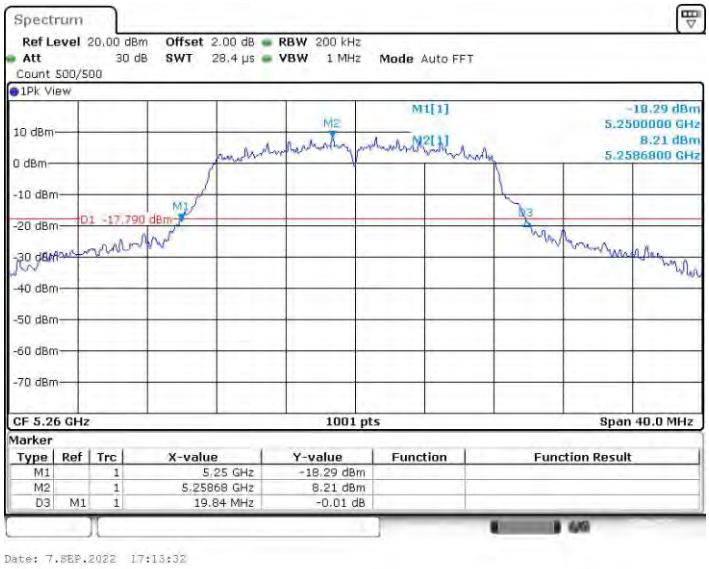

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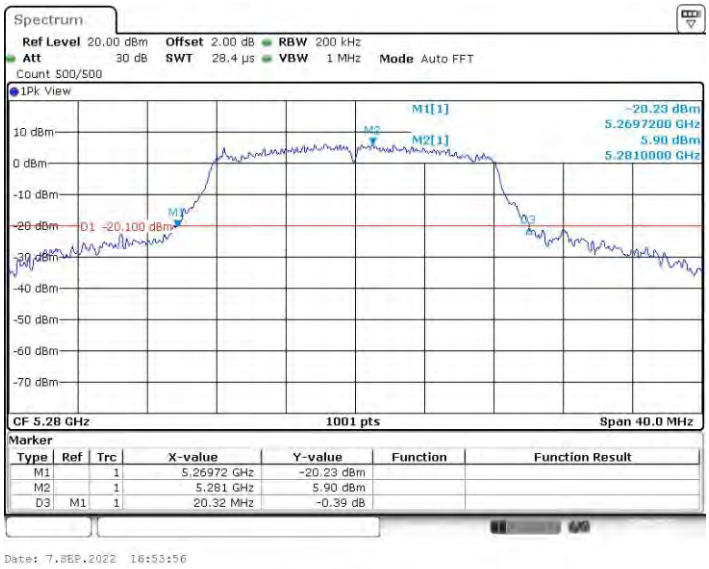

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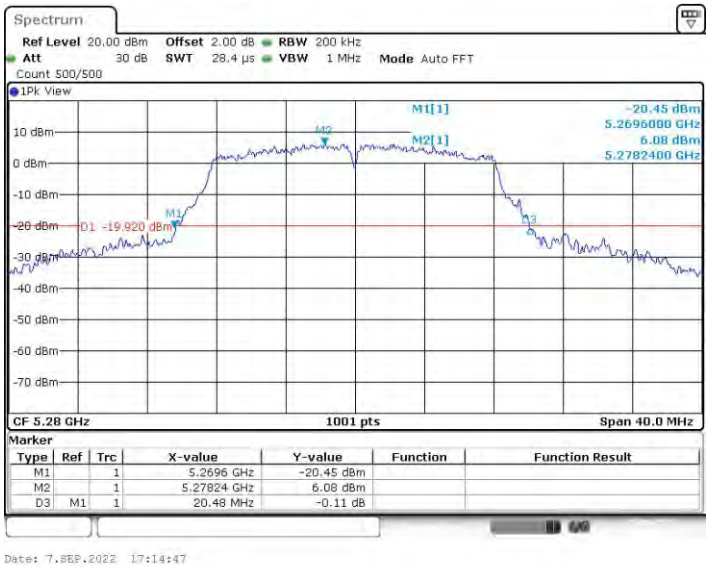

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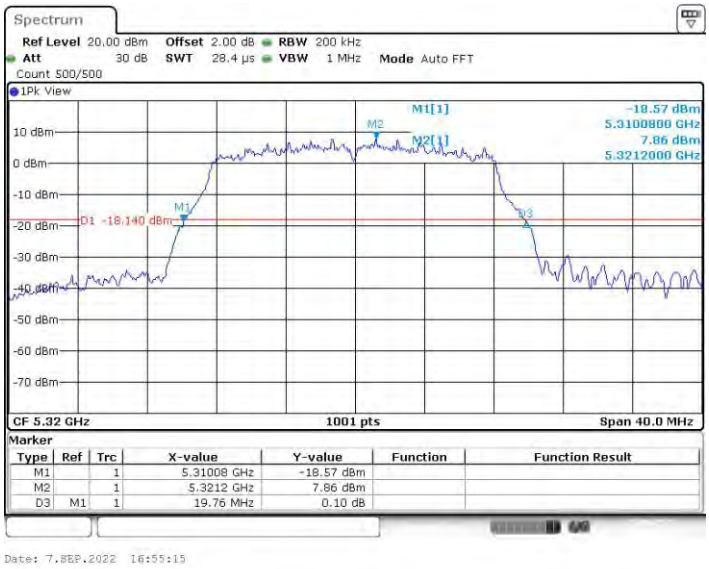

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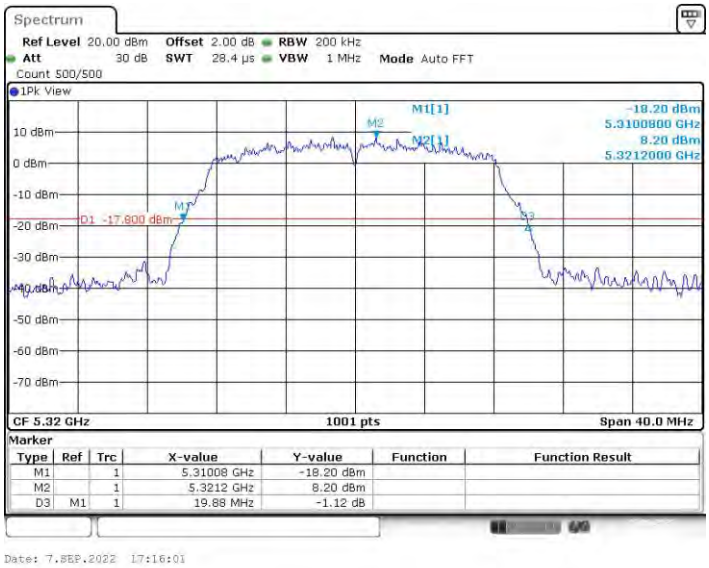

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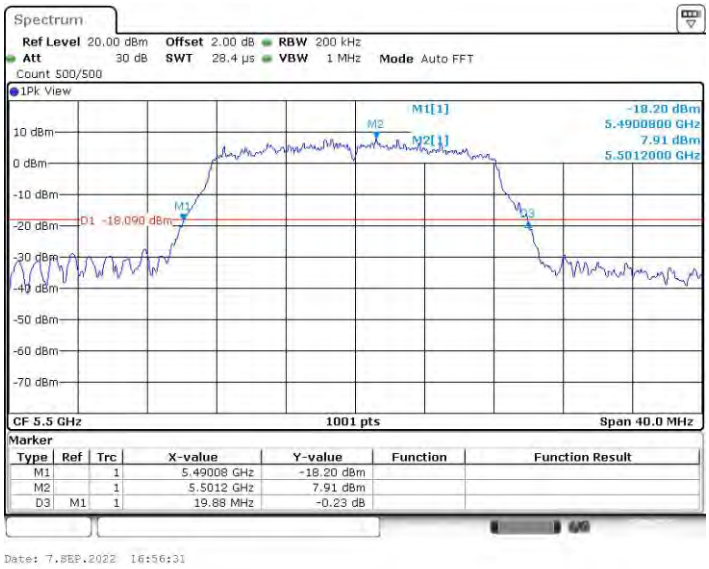

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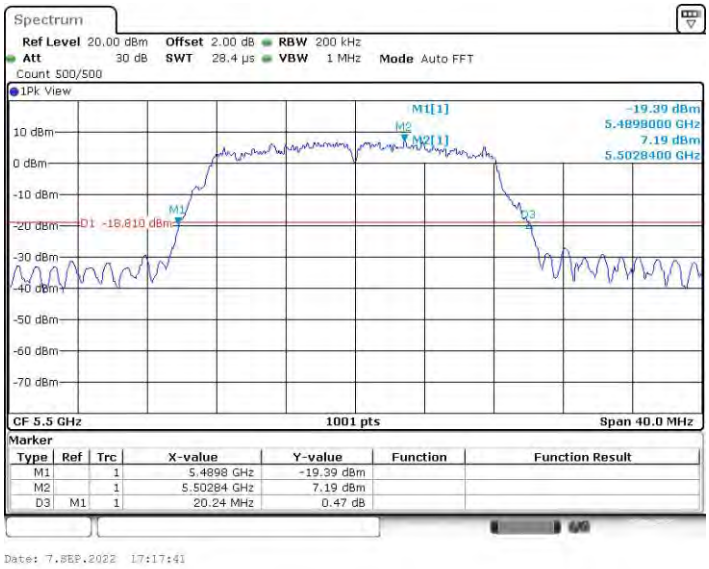

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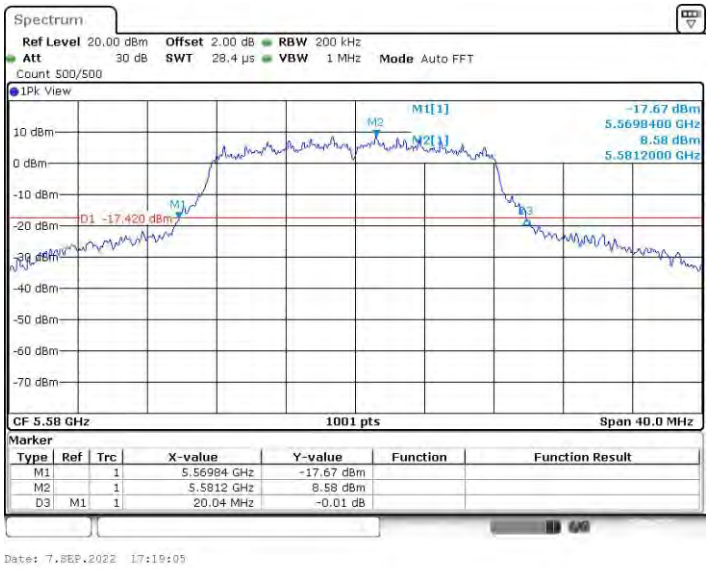
11A_Ant2_5580



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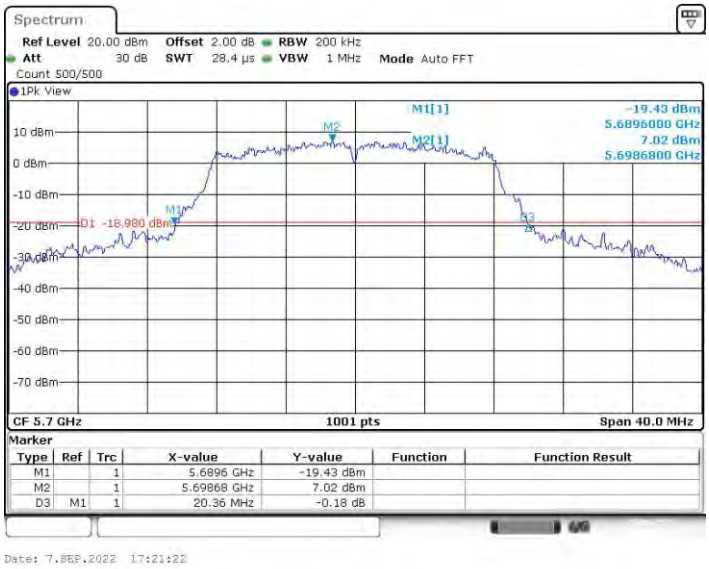
11A_Ant2_5700



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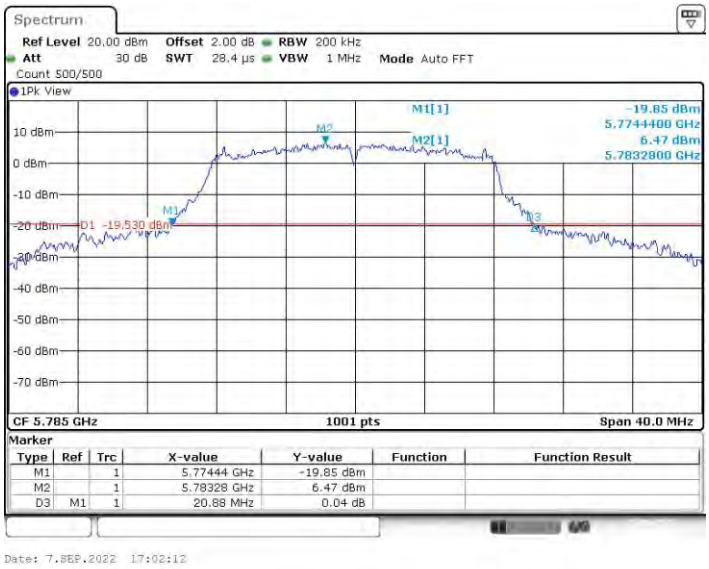
11A_Ant2_5745

11A_Ant1_5785



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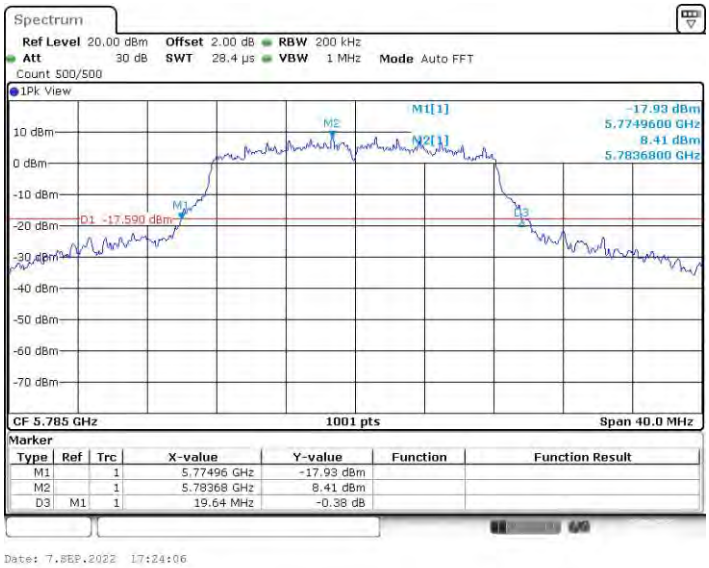

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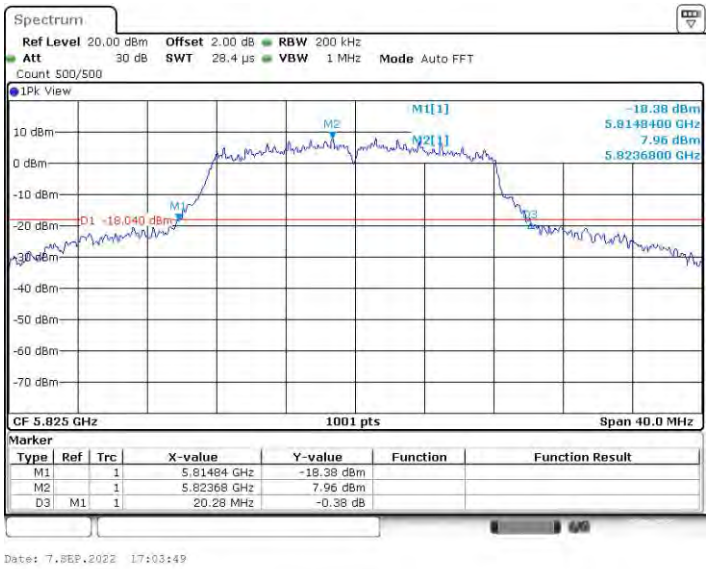

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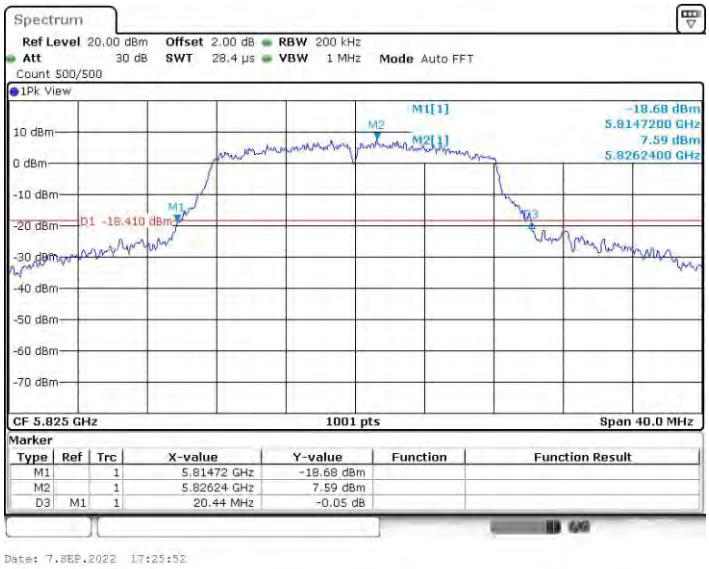

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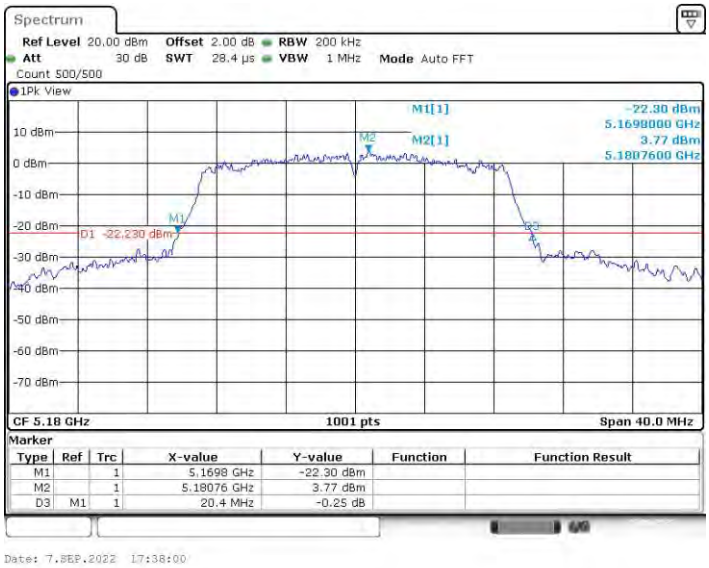

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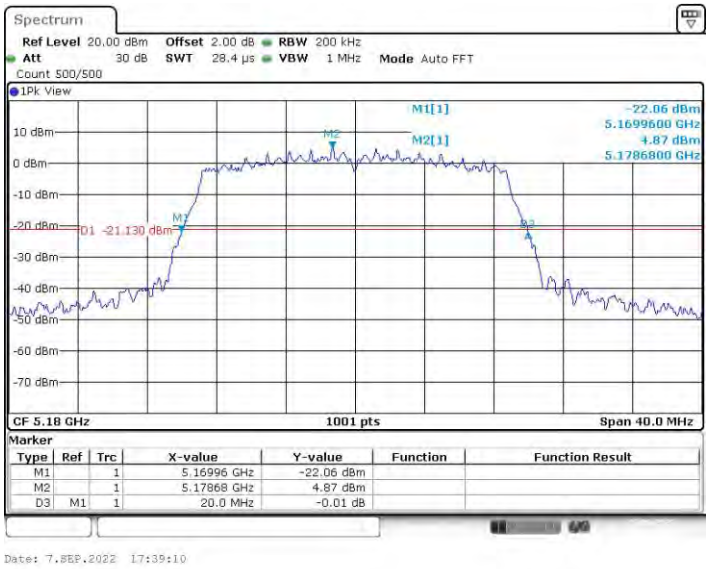

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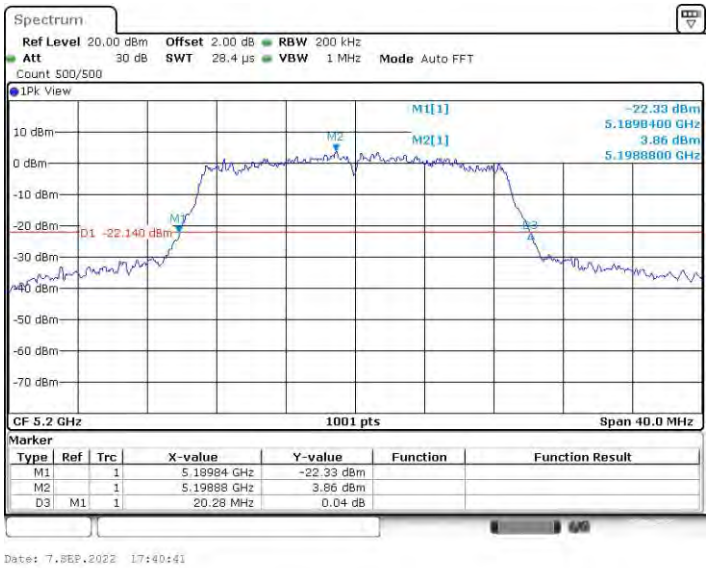

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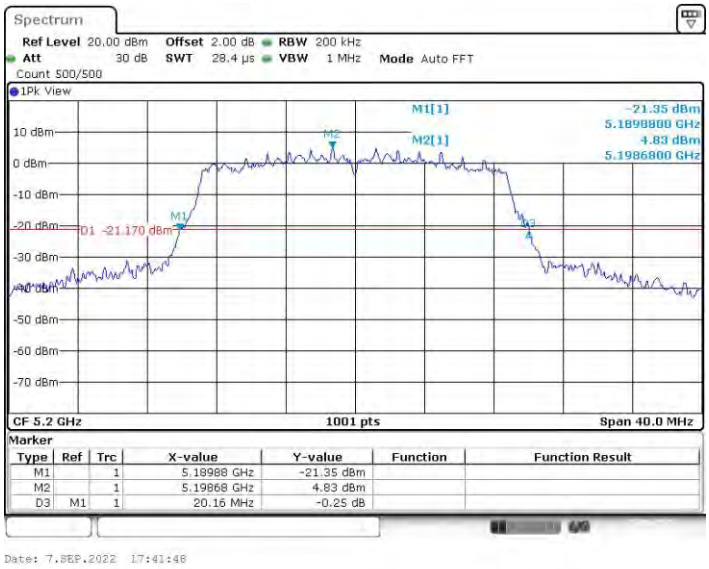

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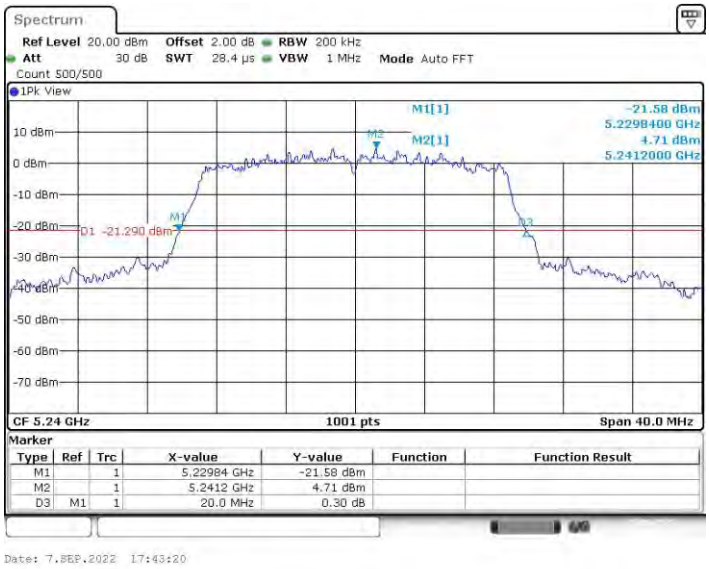

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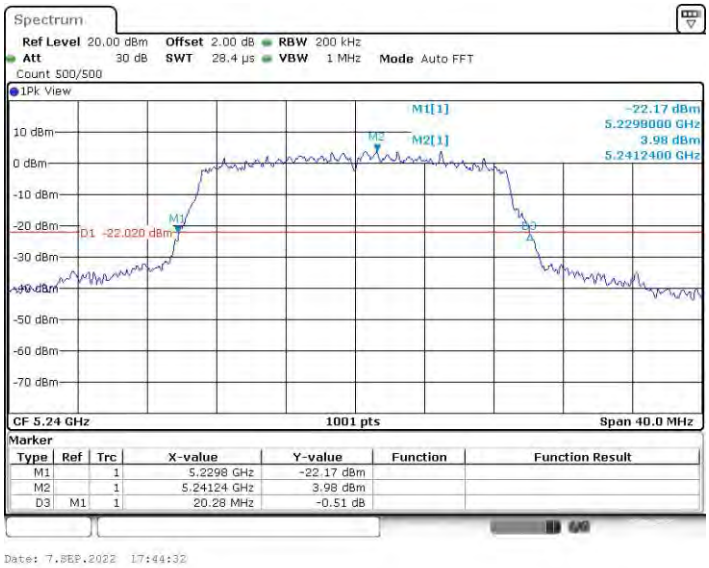

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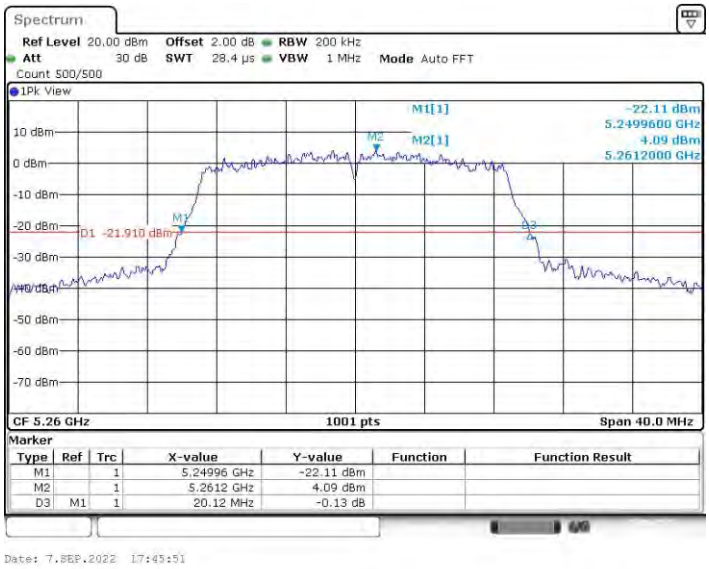

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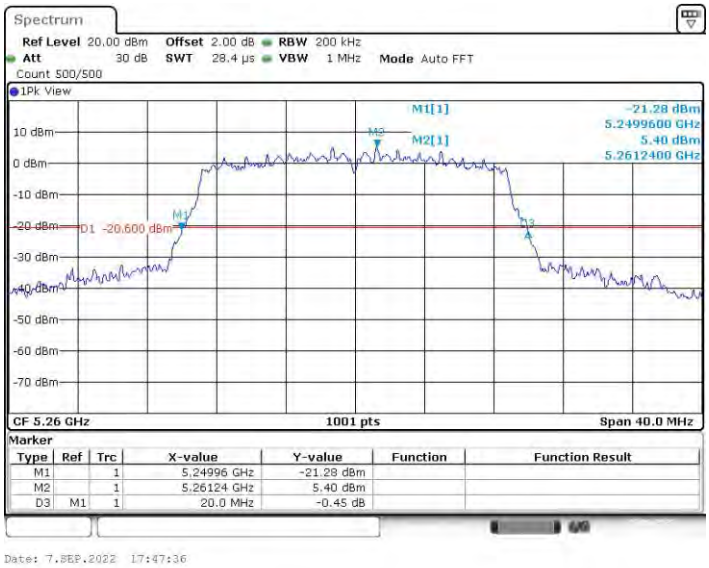

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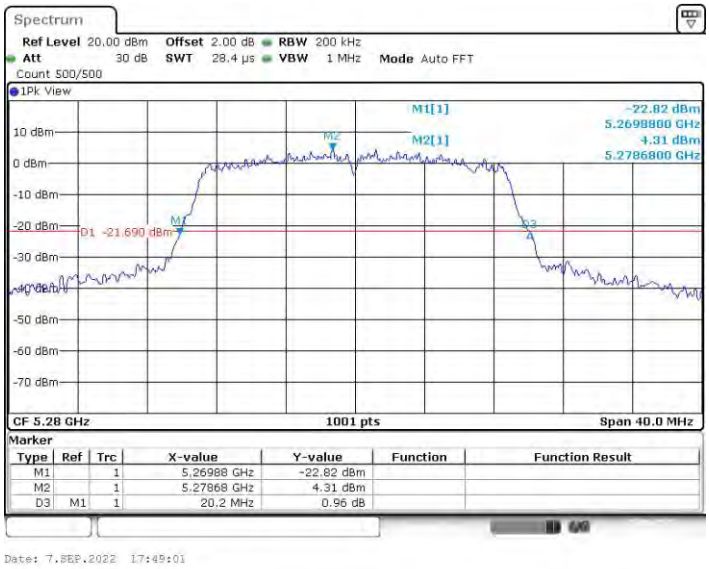

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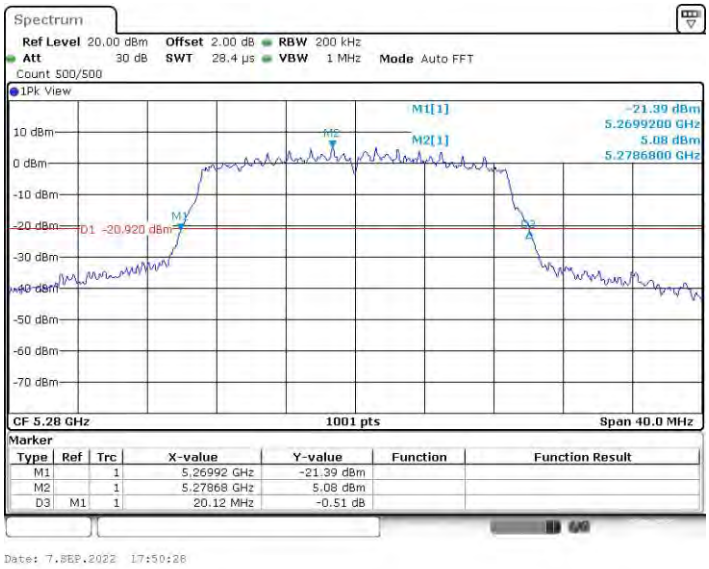

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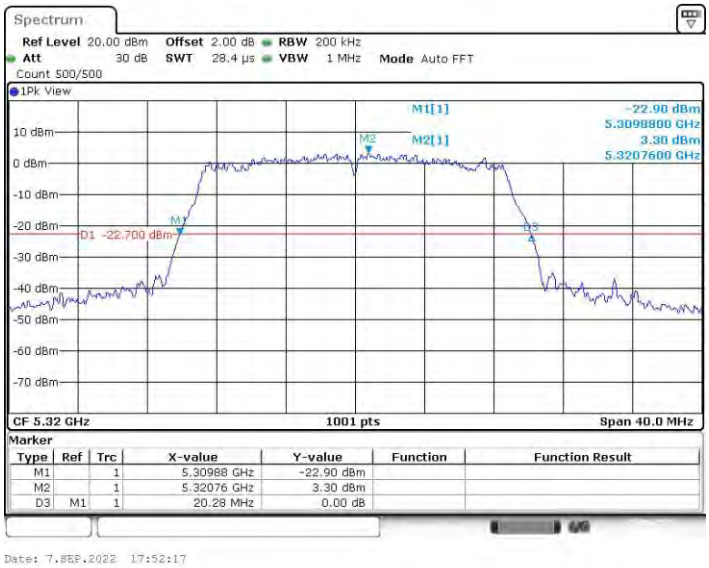

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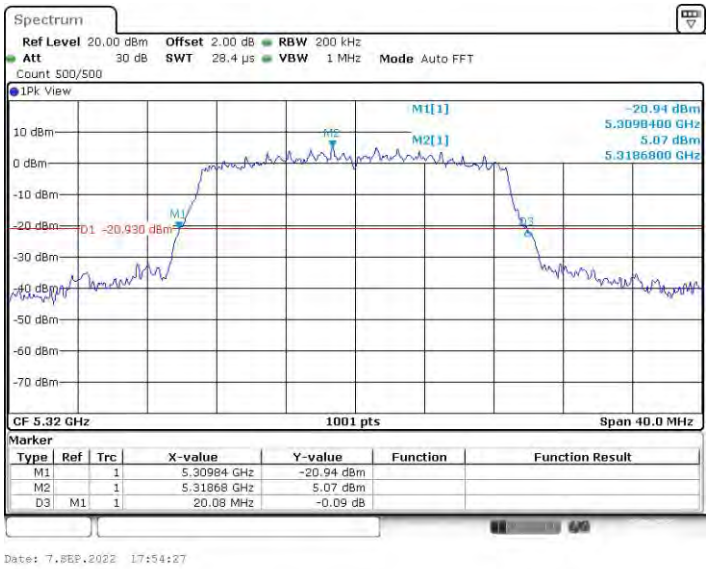

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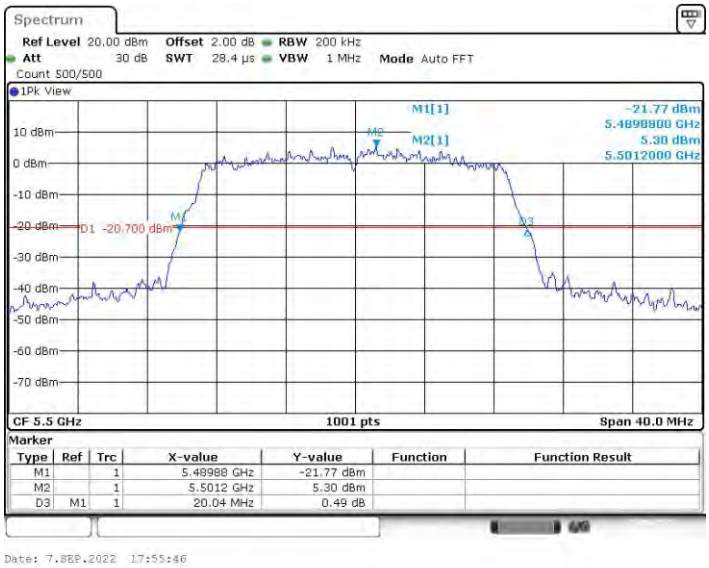

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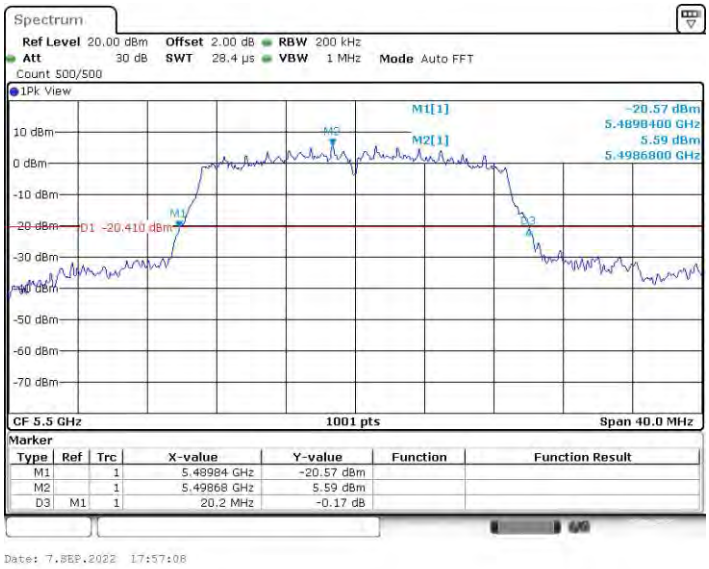

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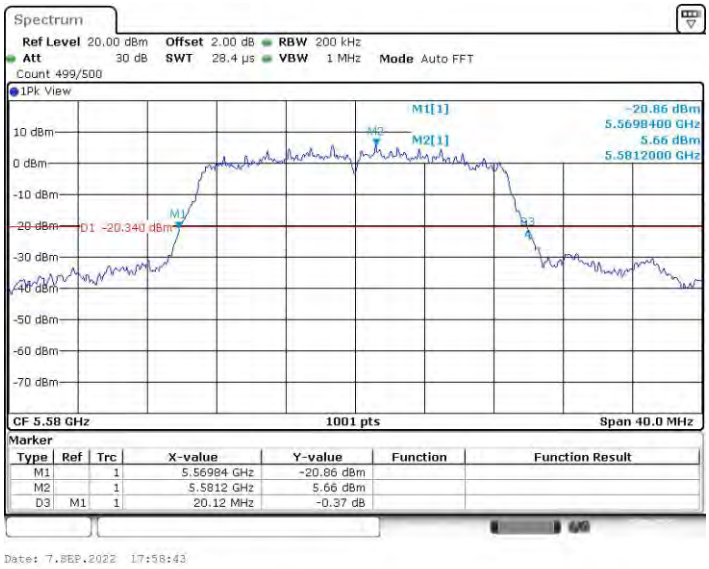

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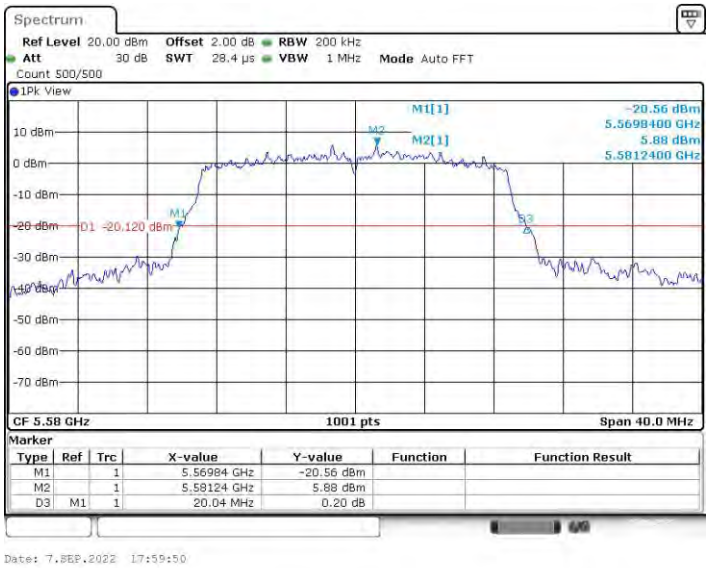

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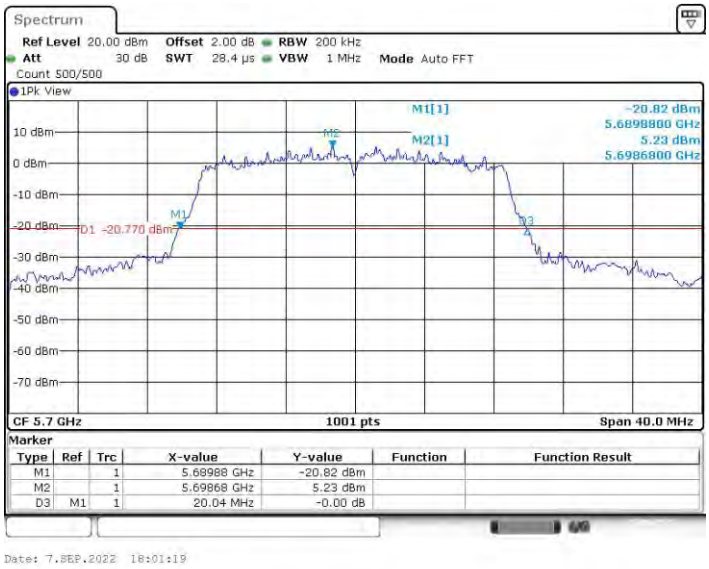

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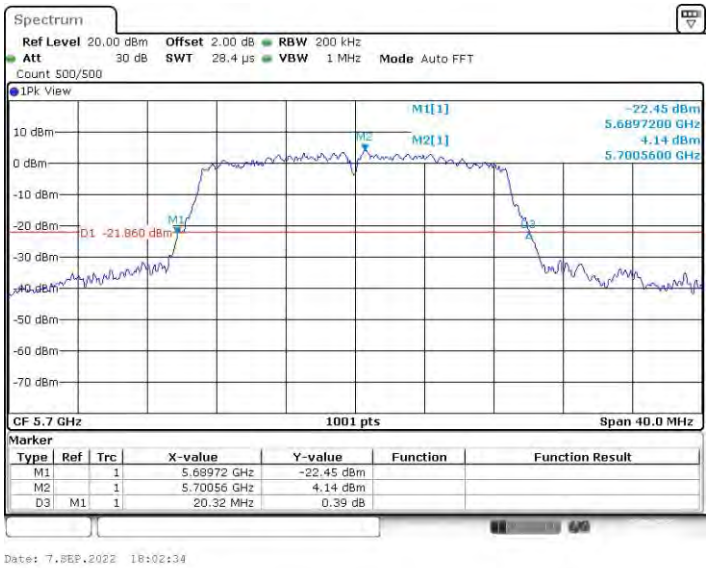

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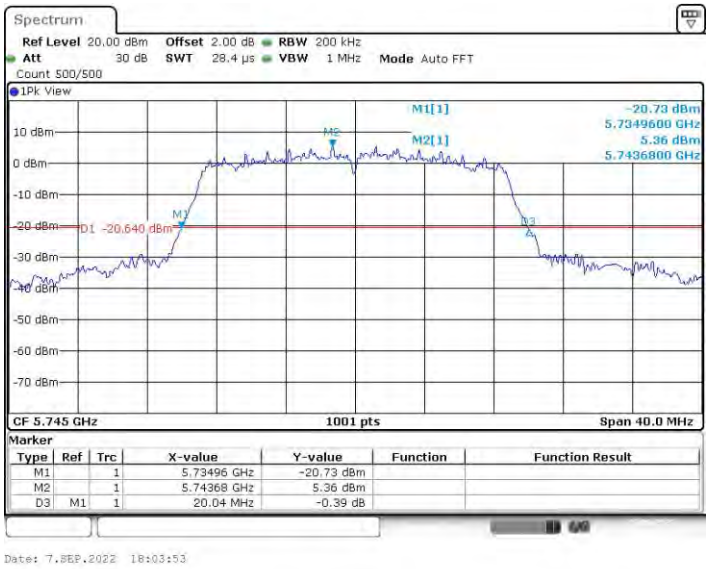

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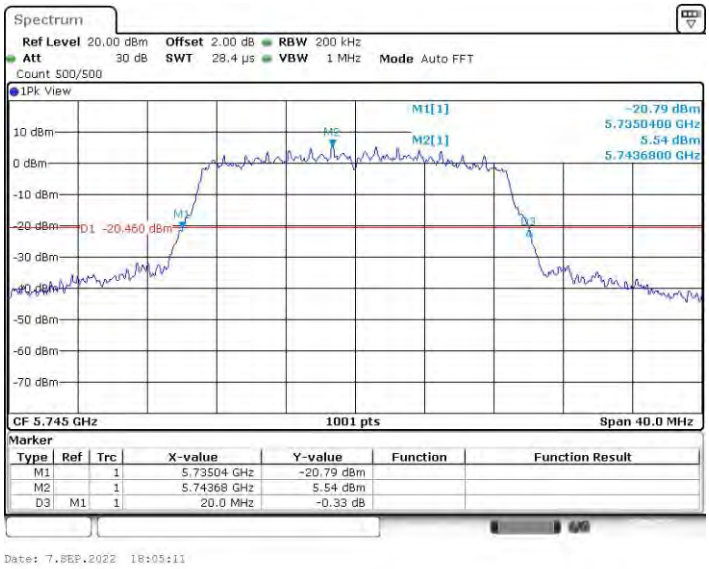

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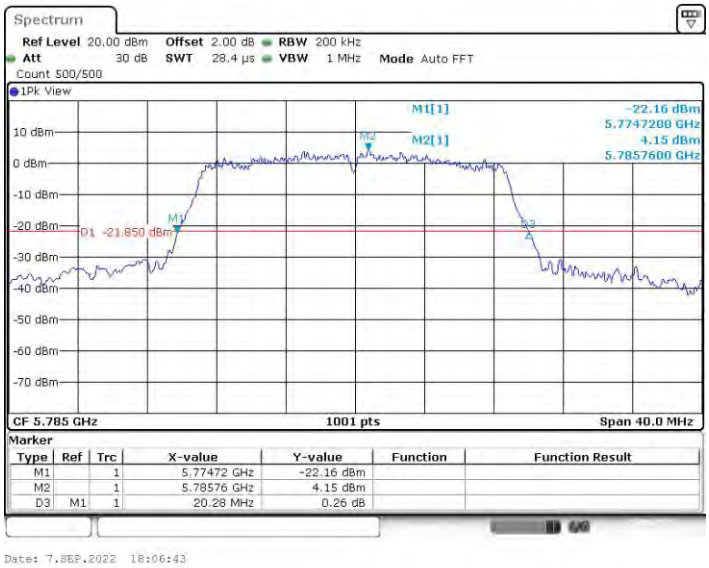

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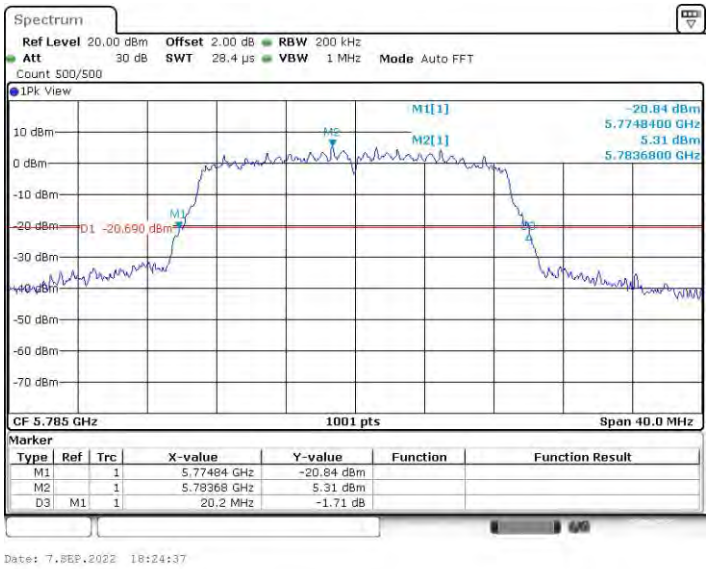

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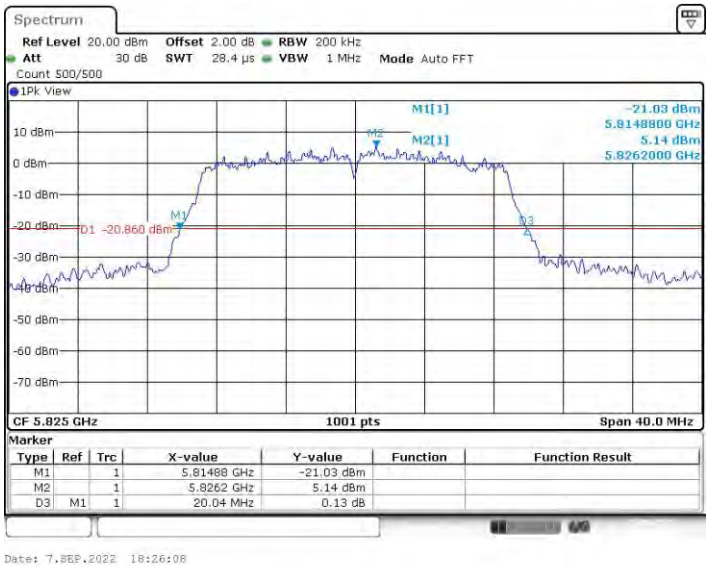

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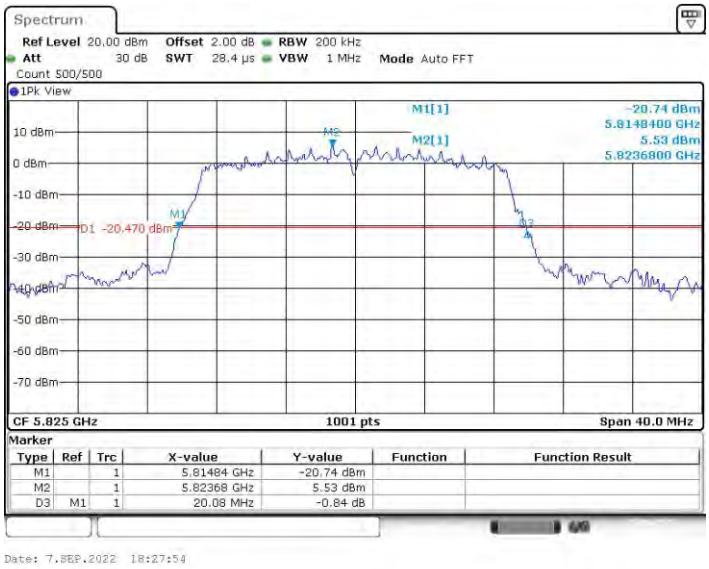

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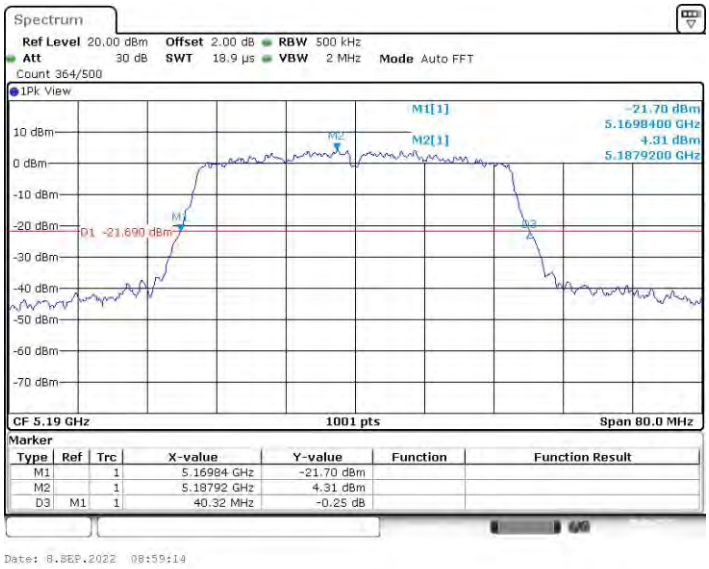

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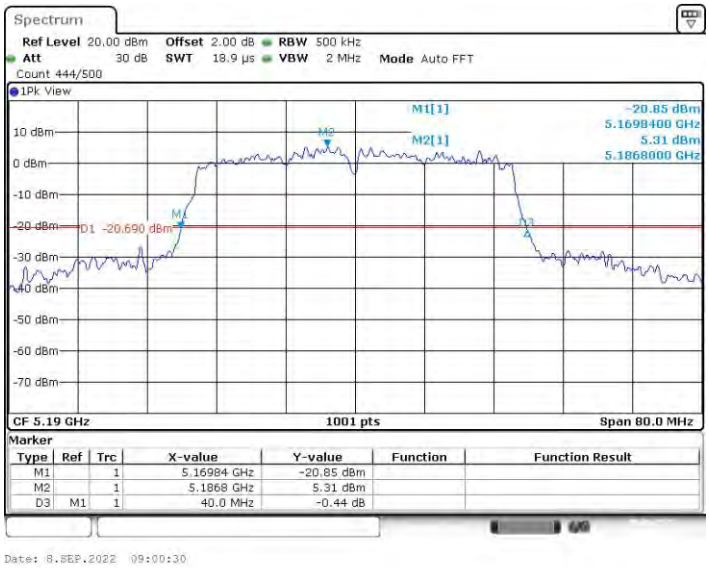

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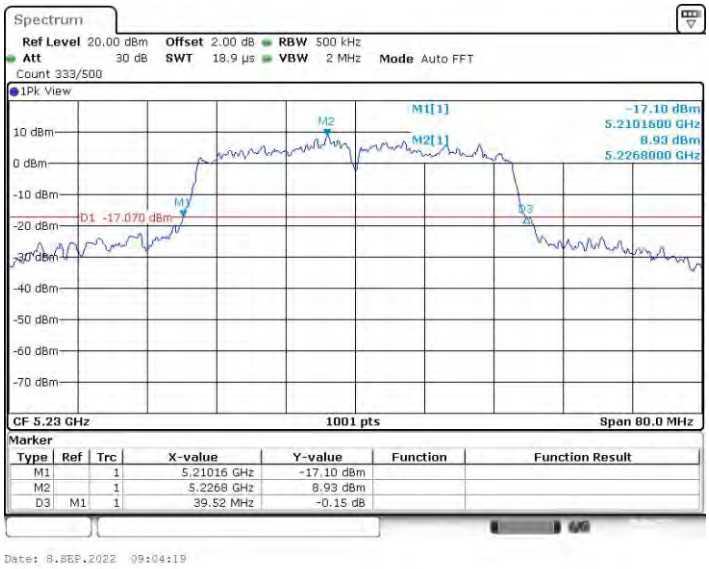

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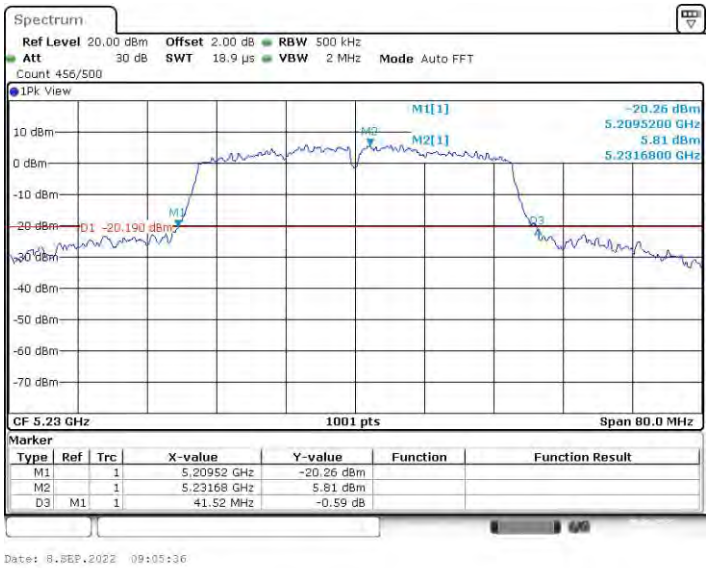

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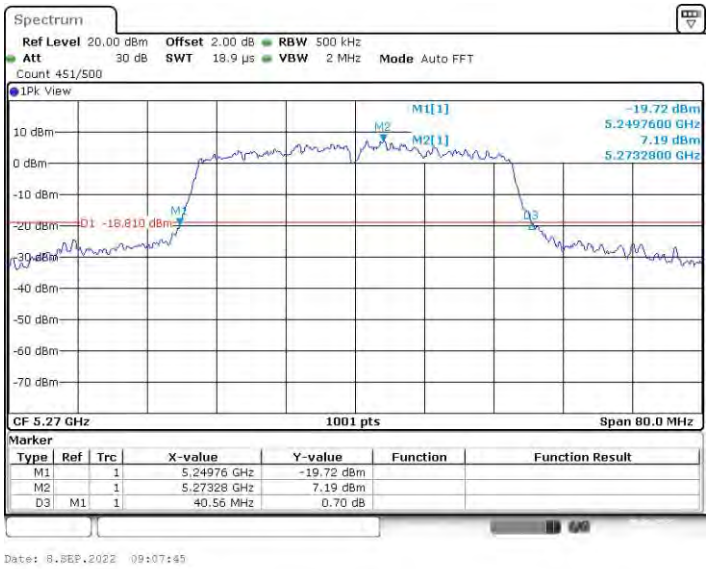

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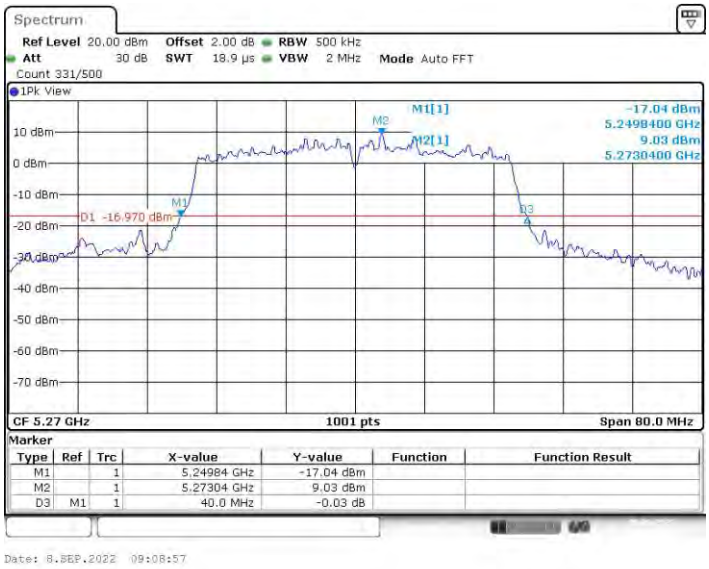

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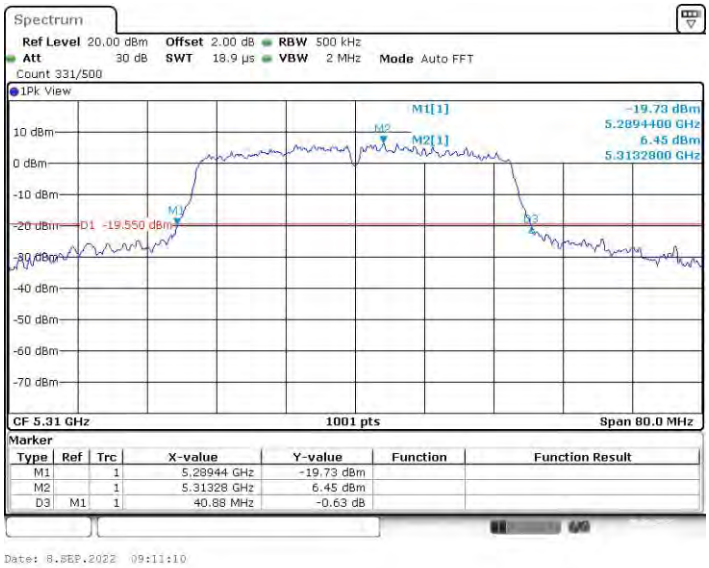

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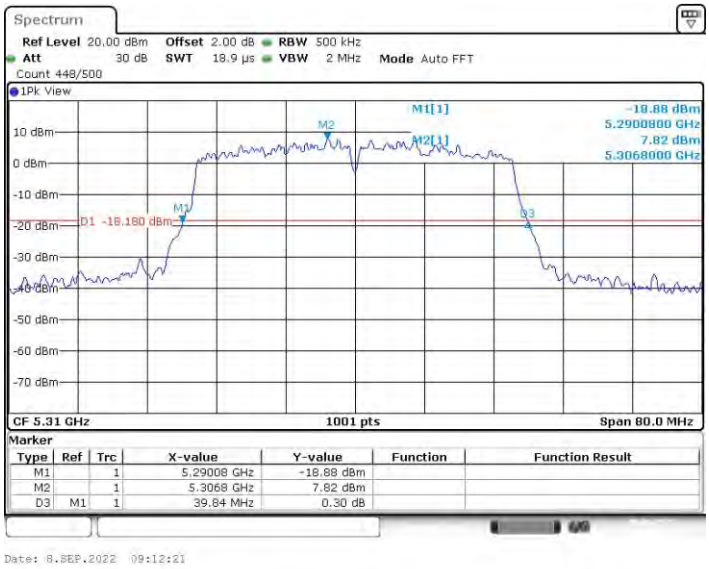

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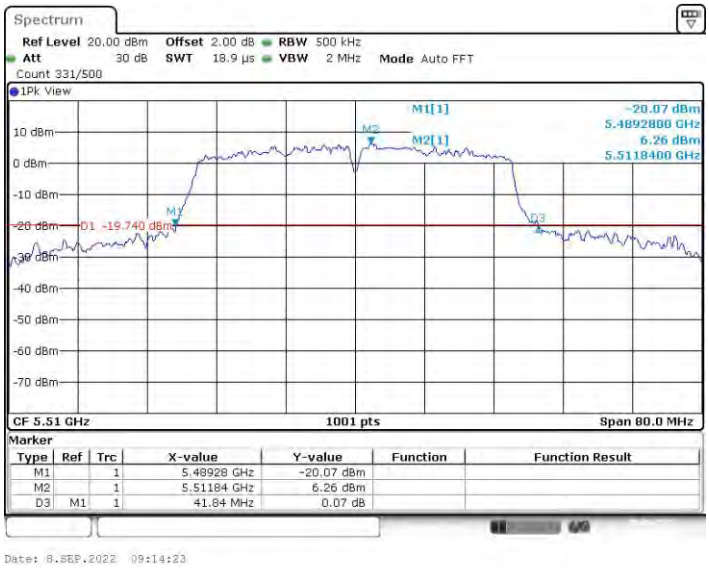

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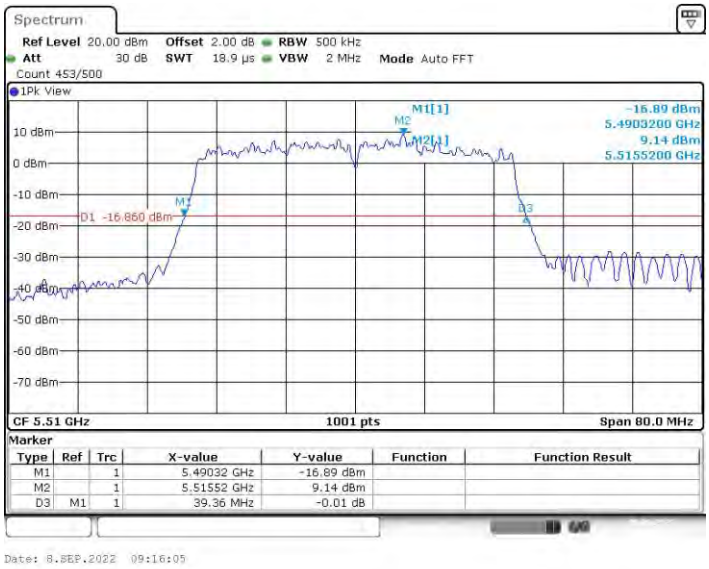

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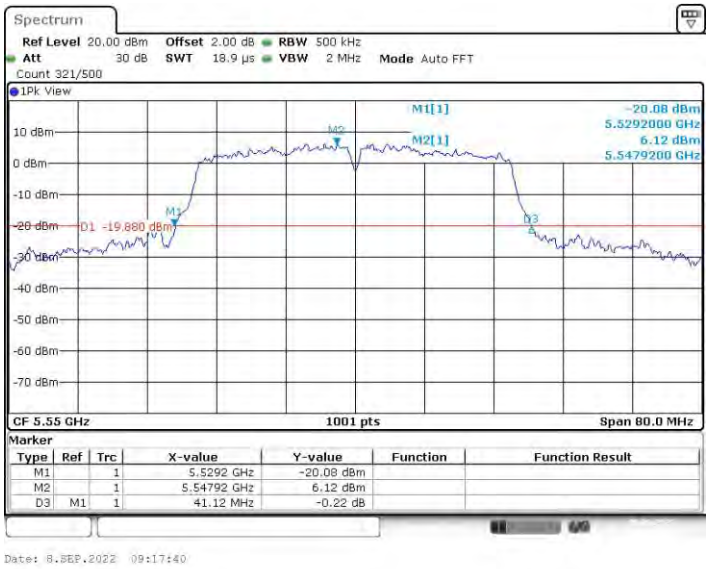

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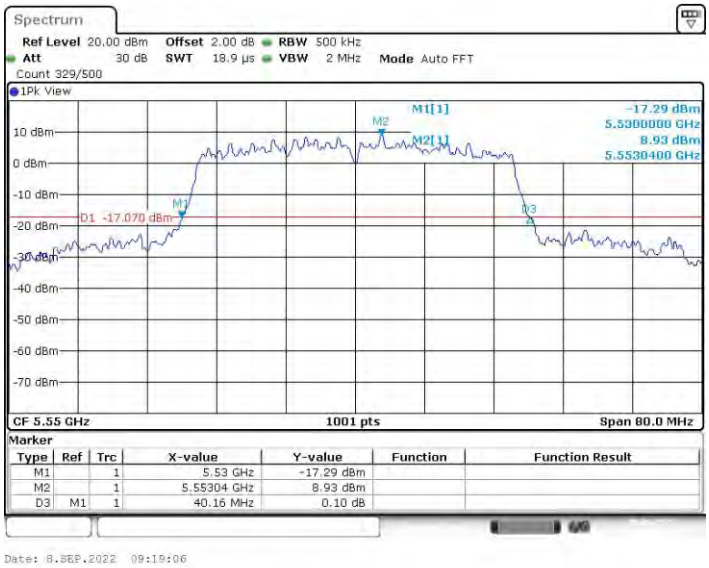

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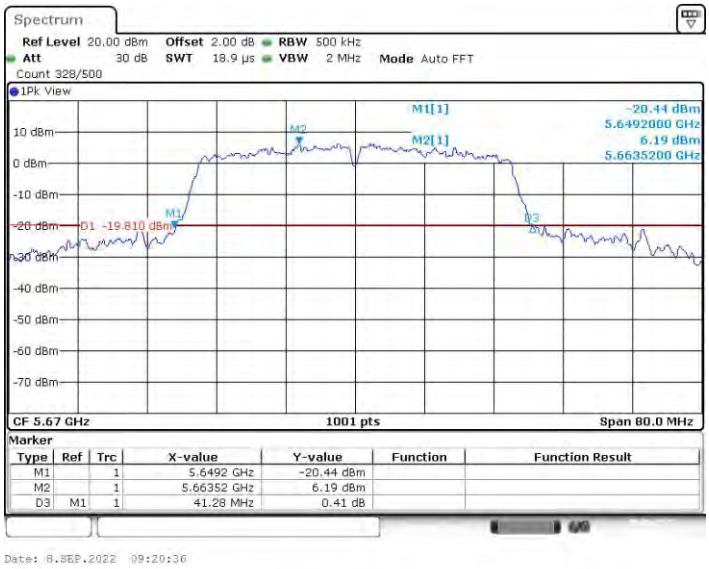

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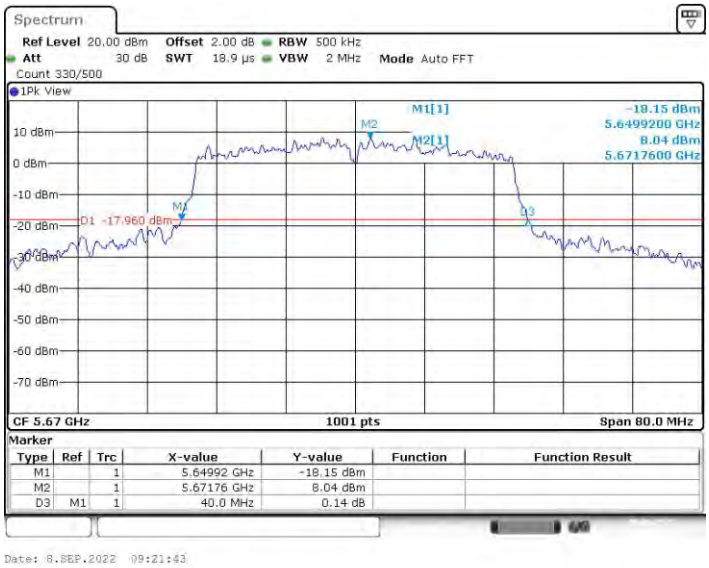

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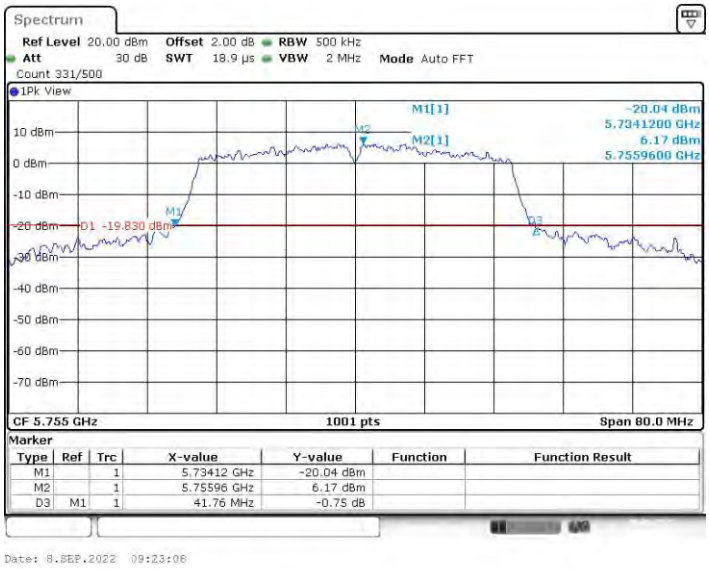

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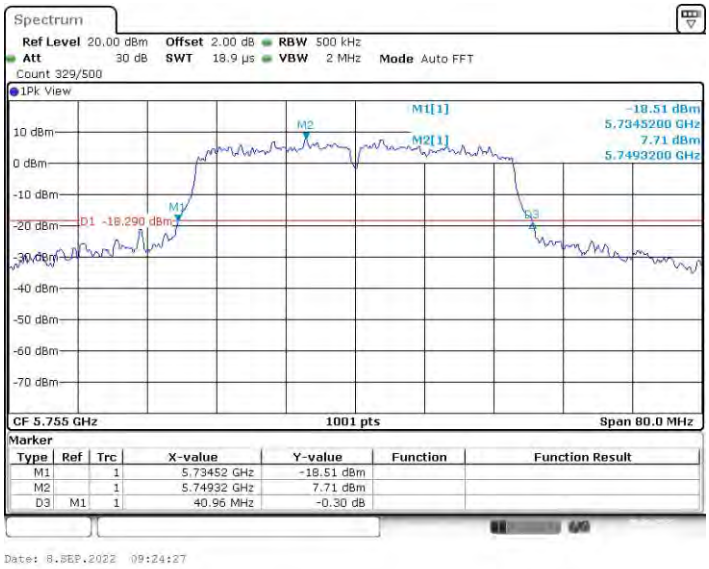

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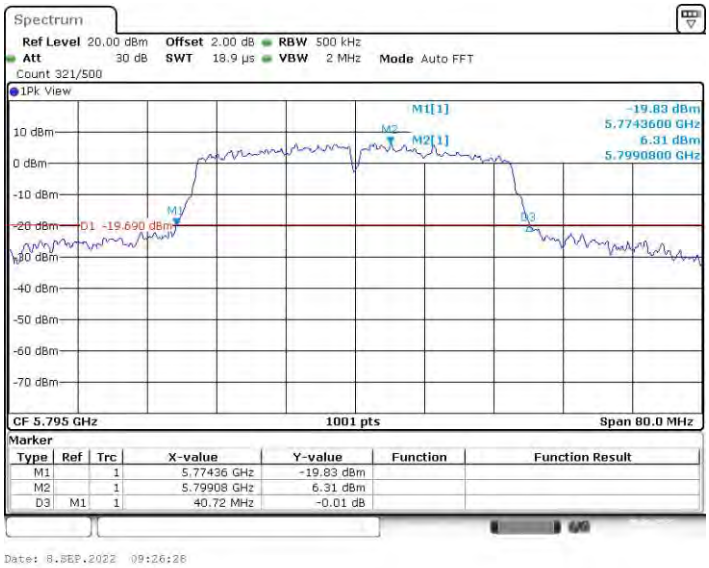

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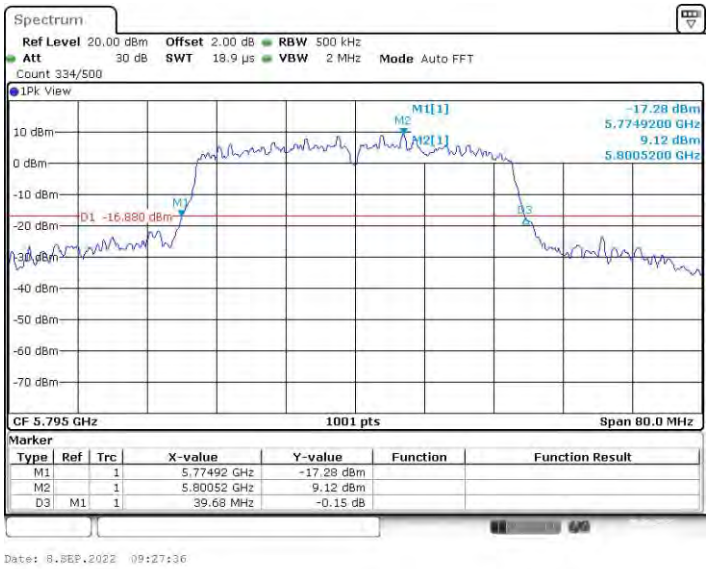

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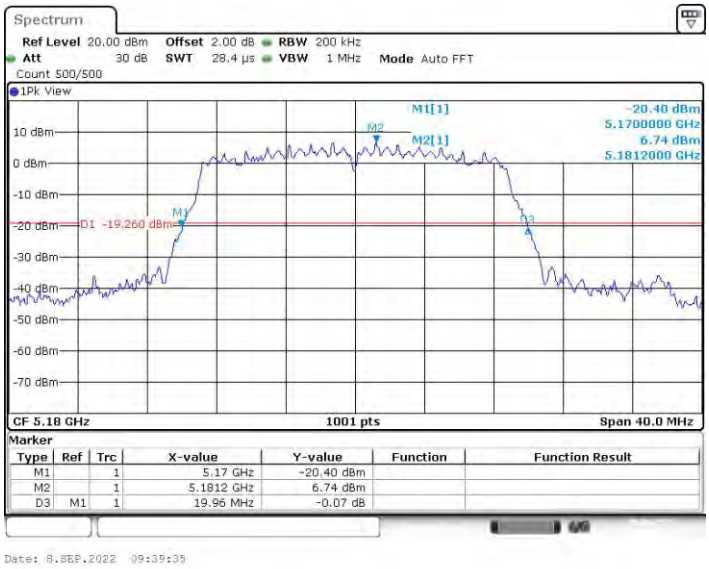

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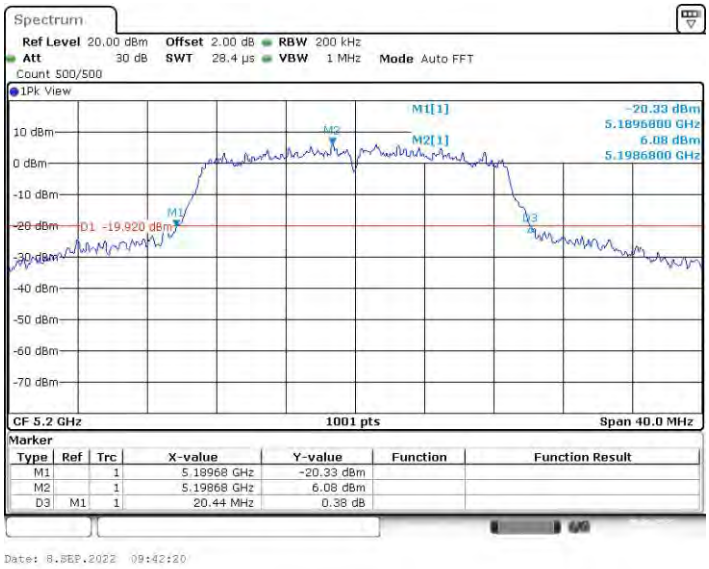

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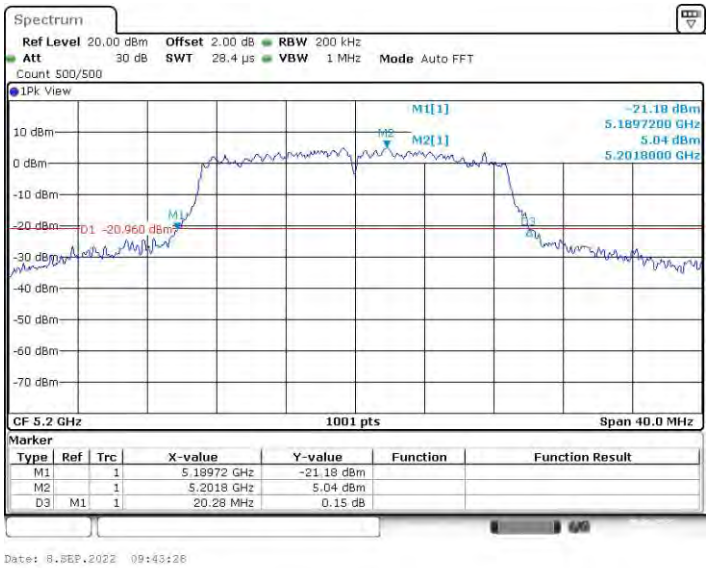

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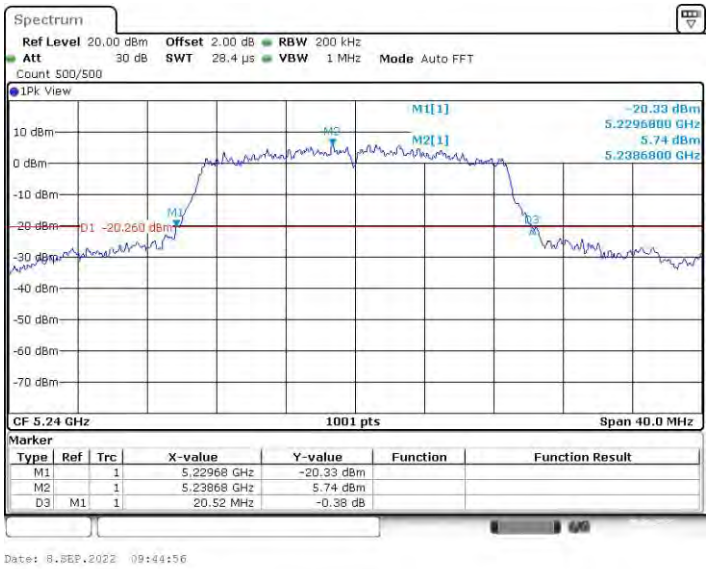

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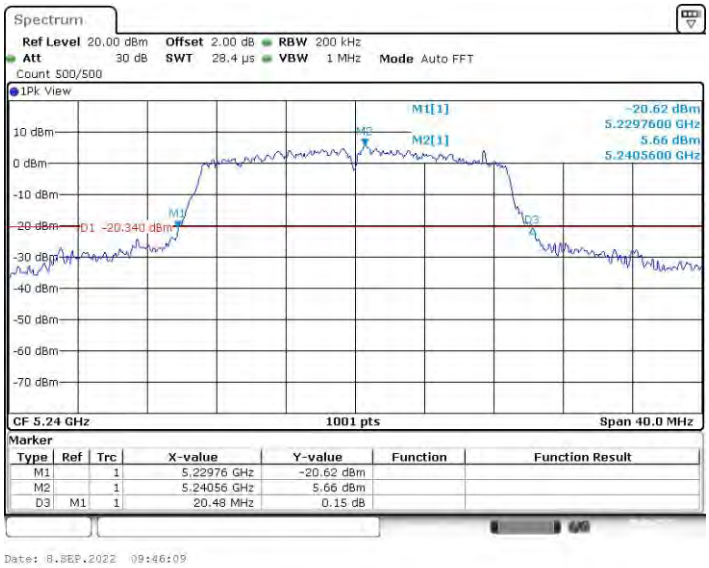

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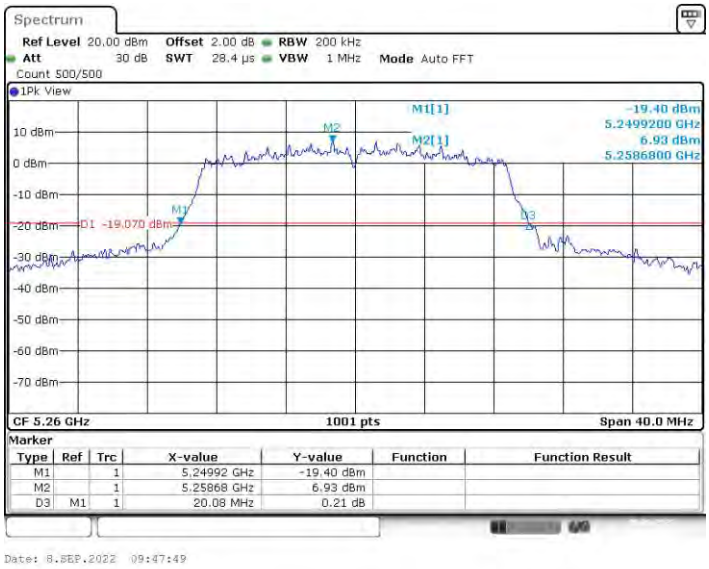

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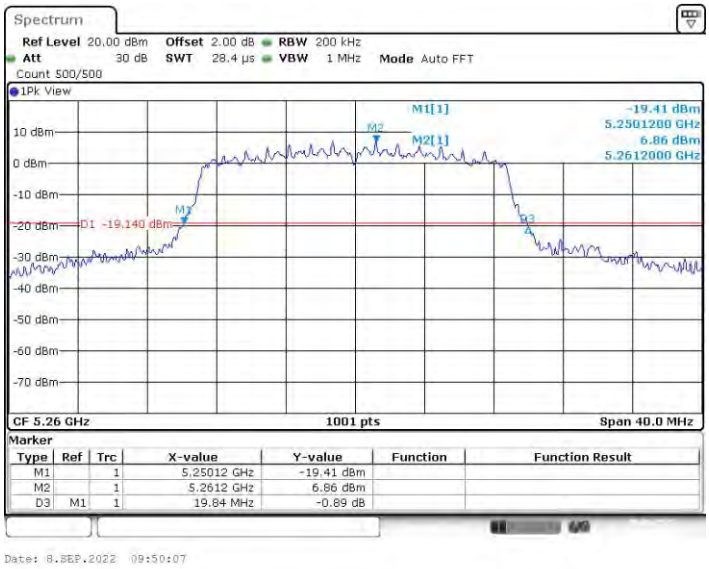

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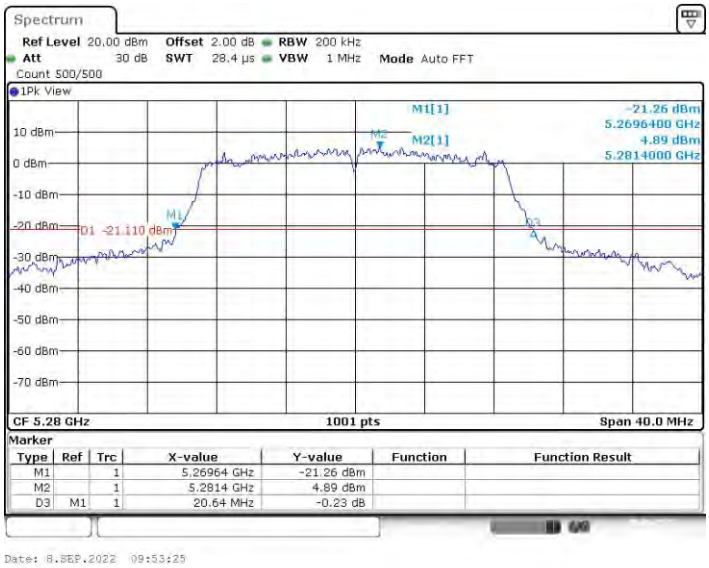

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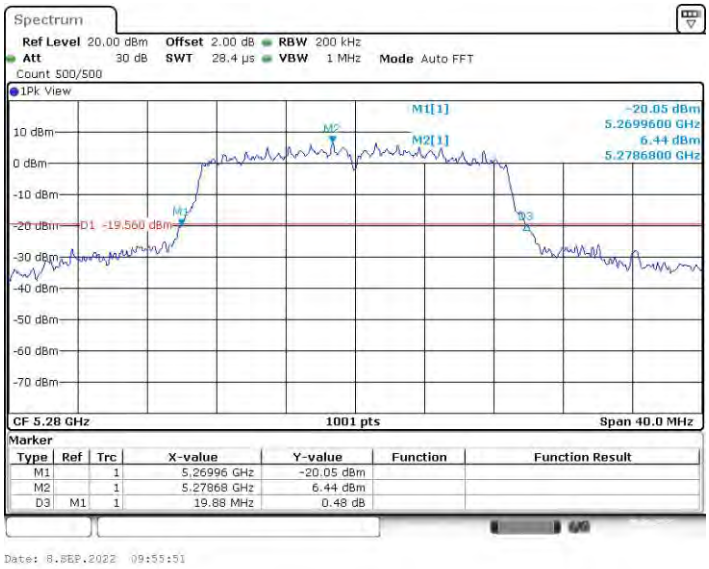

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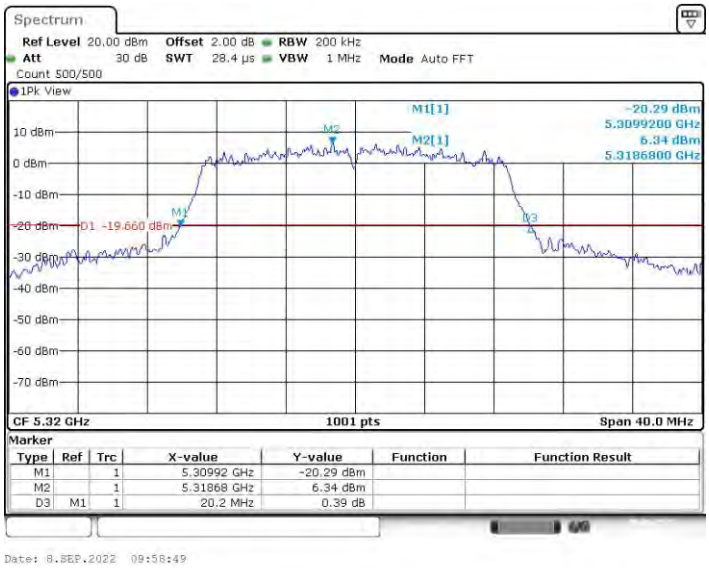

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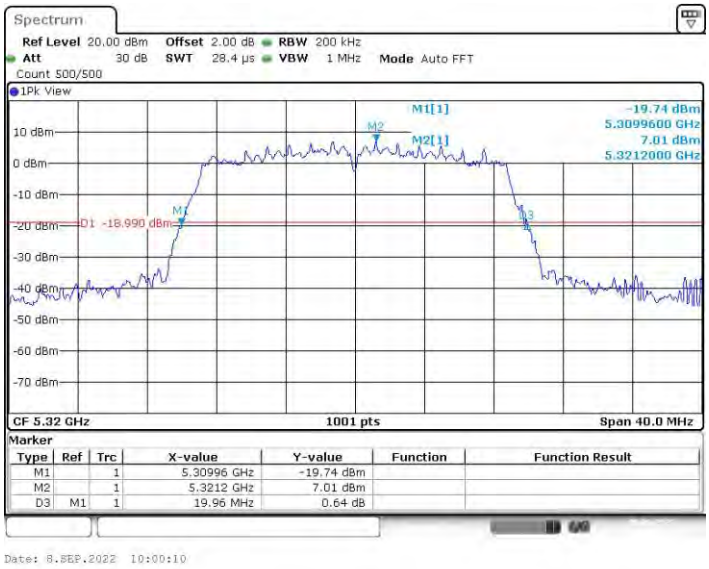

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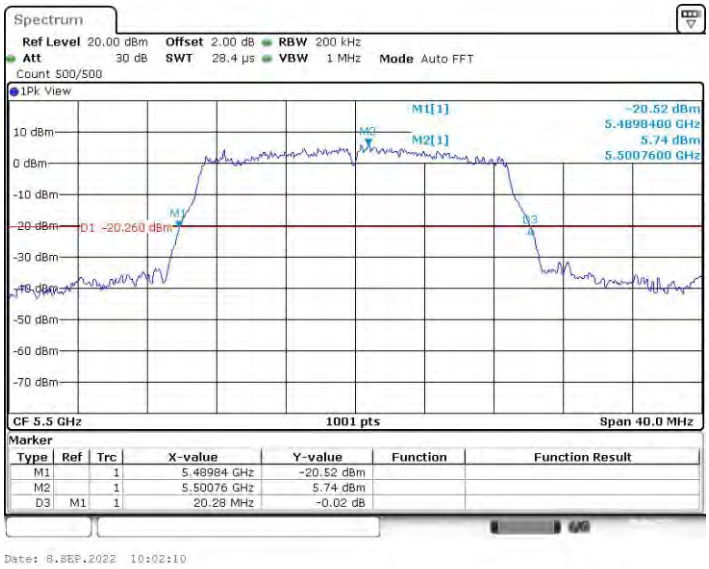

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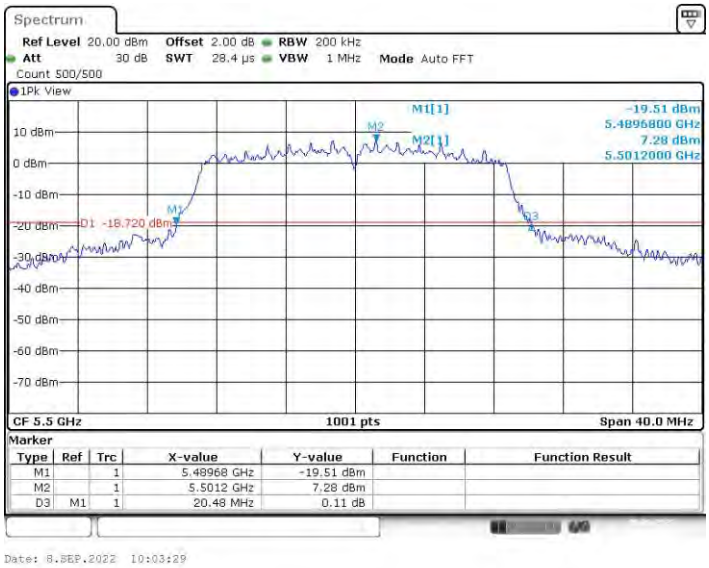

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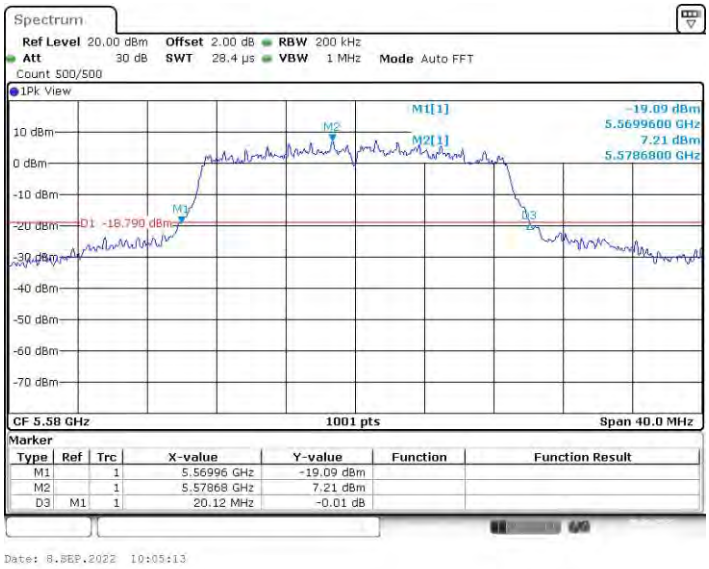

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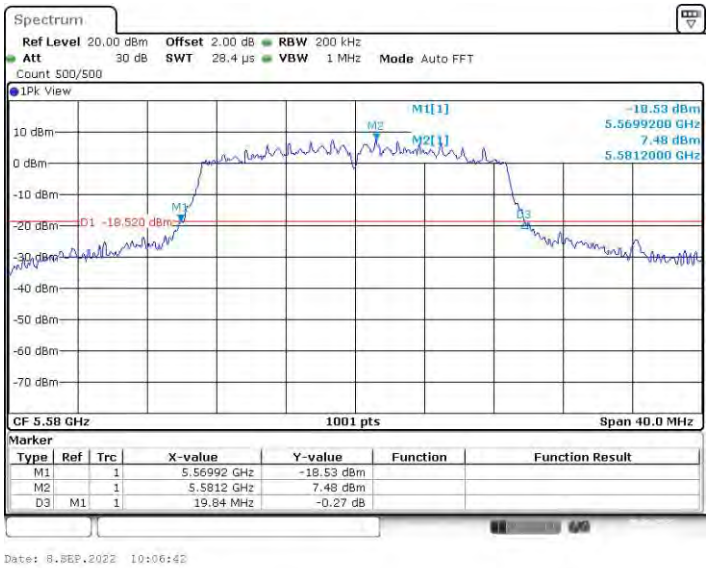

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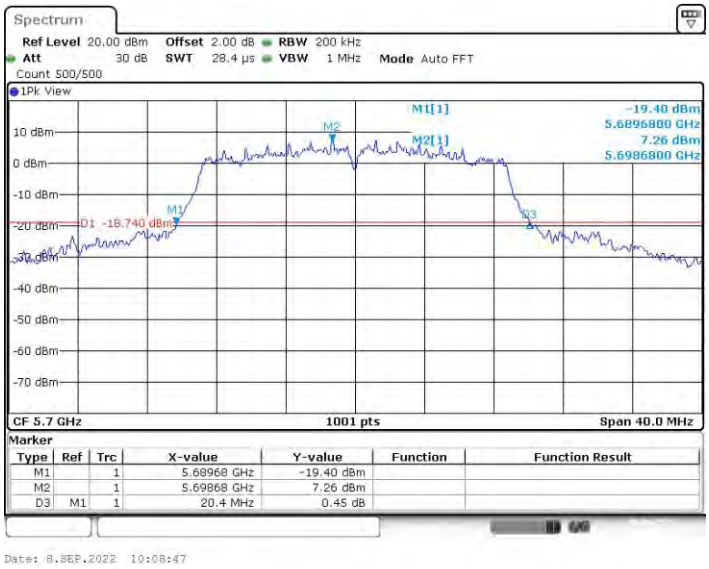

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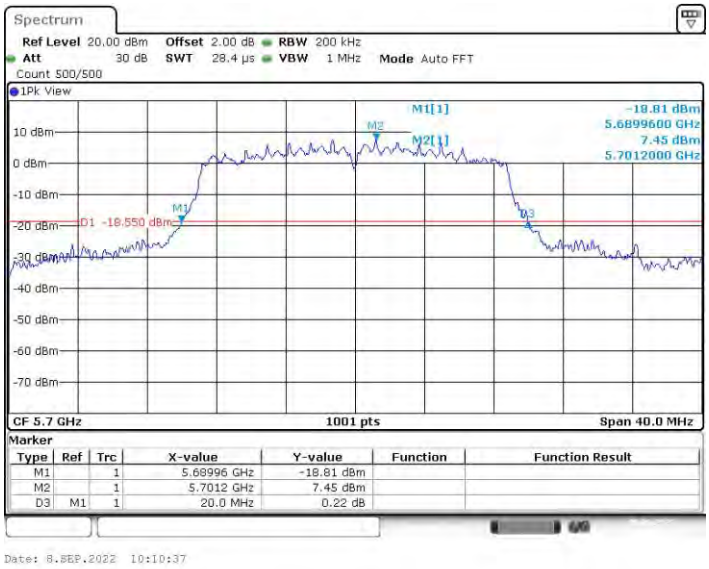

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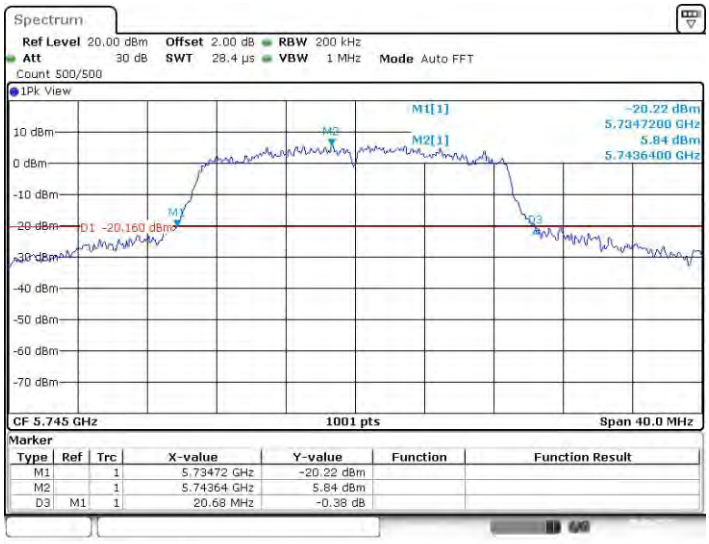

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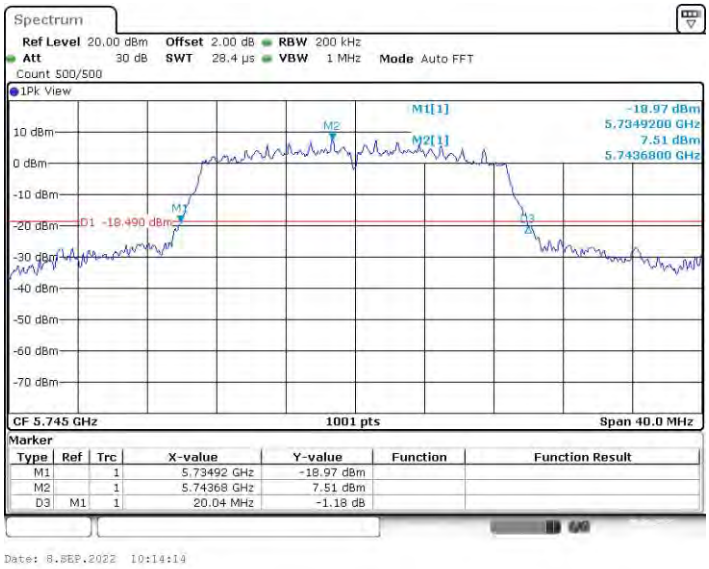

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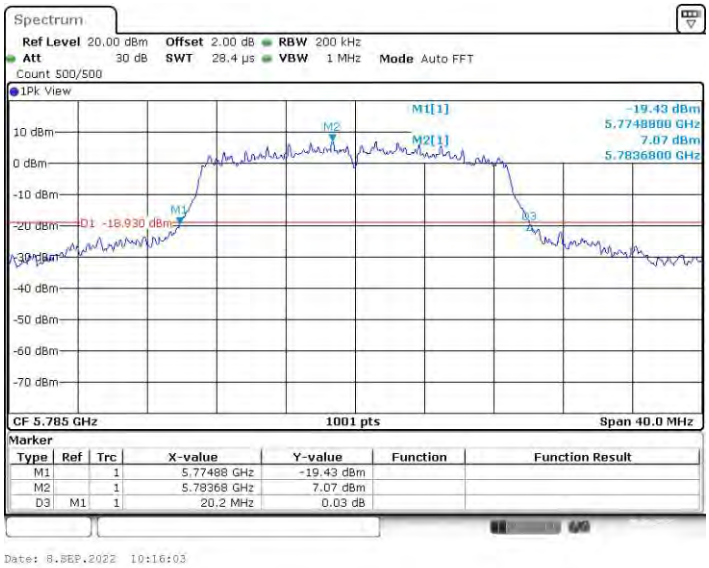

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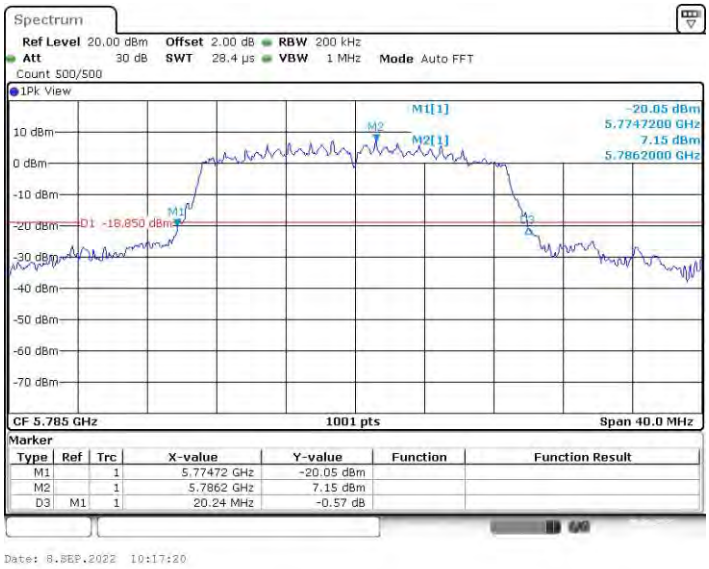

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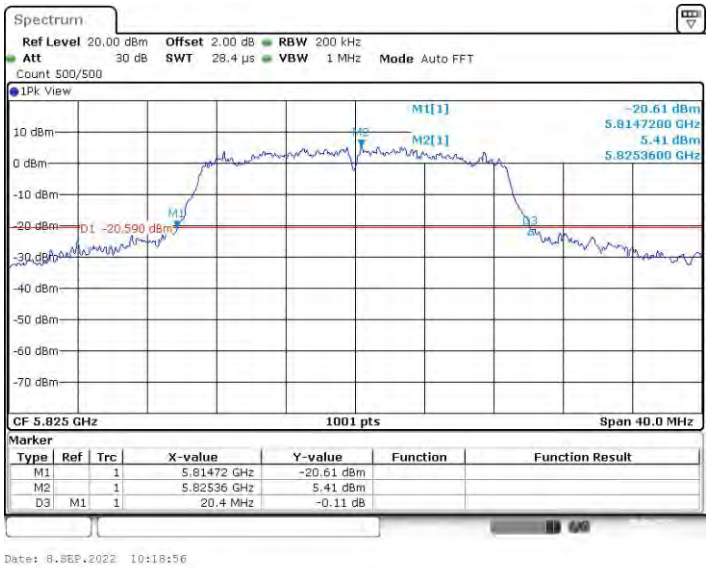
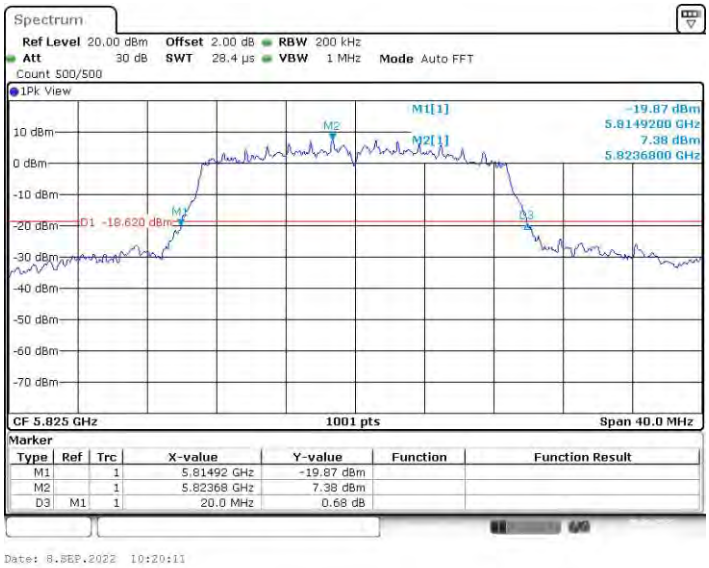
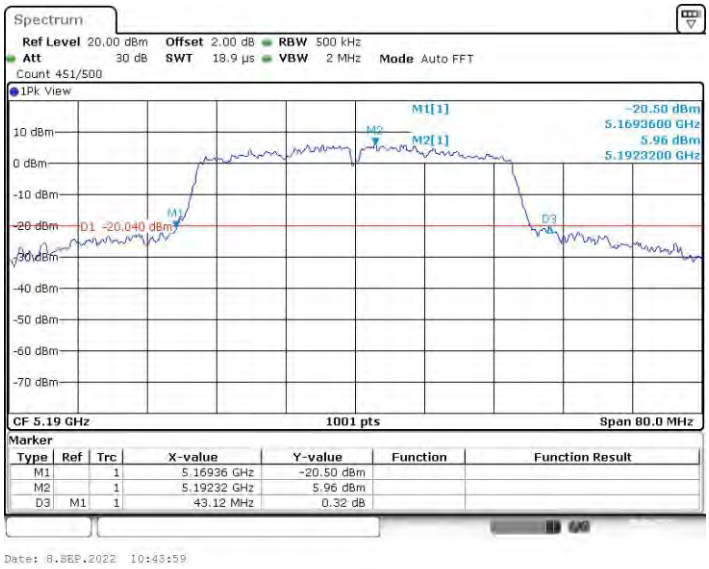


11AC20MIMO_Ant2_5825



11AC40MIMO_Ant1_5190



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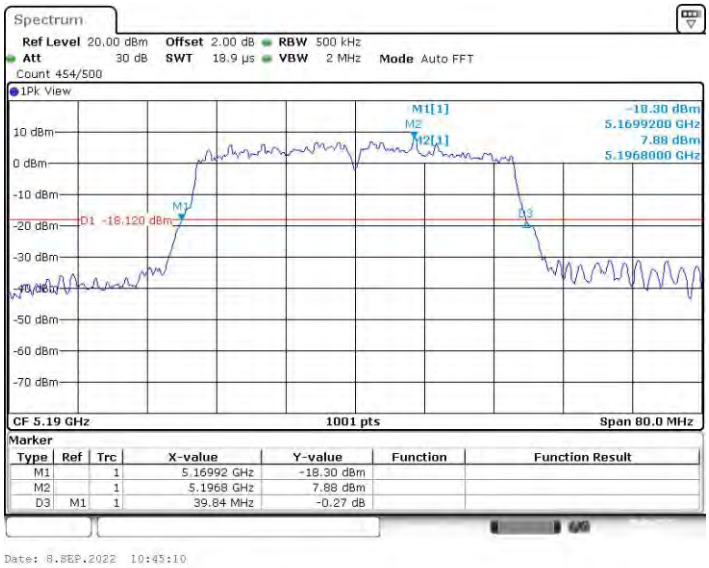
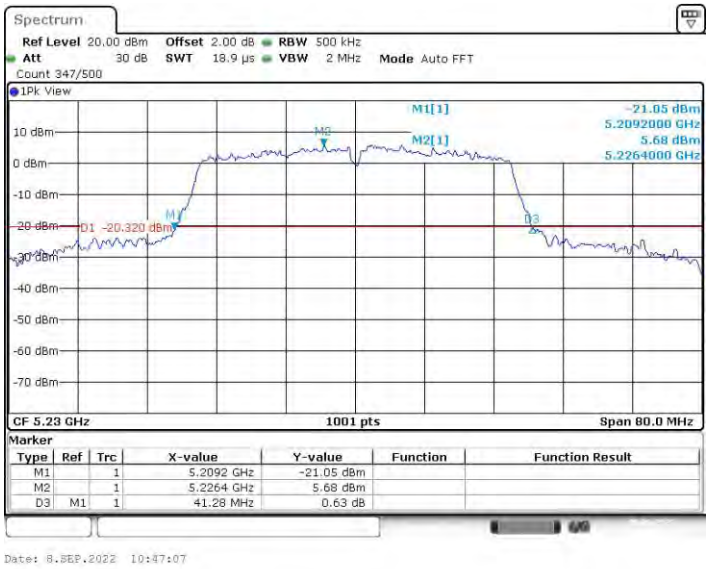
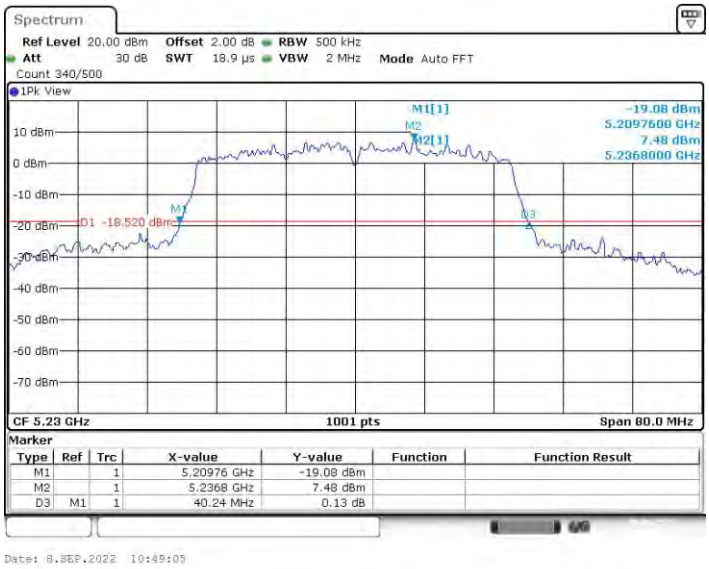


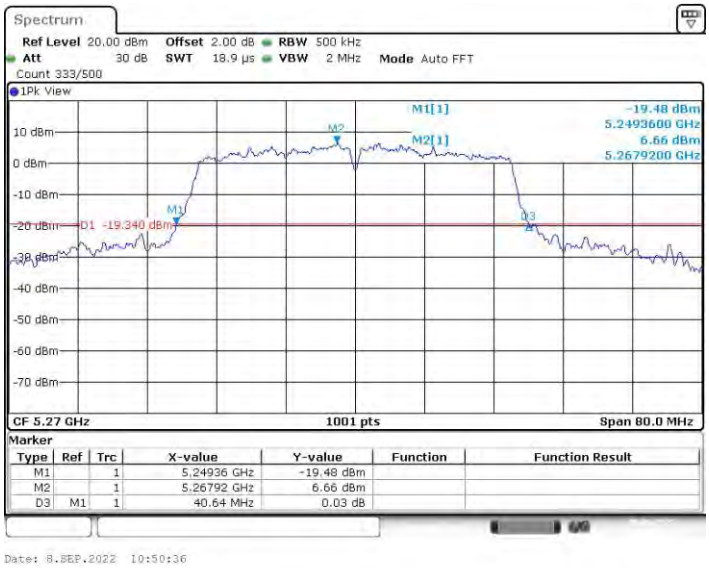
11AC40MIMO_Ant1_5230



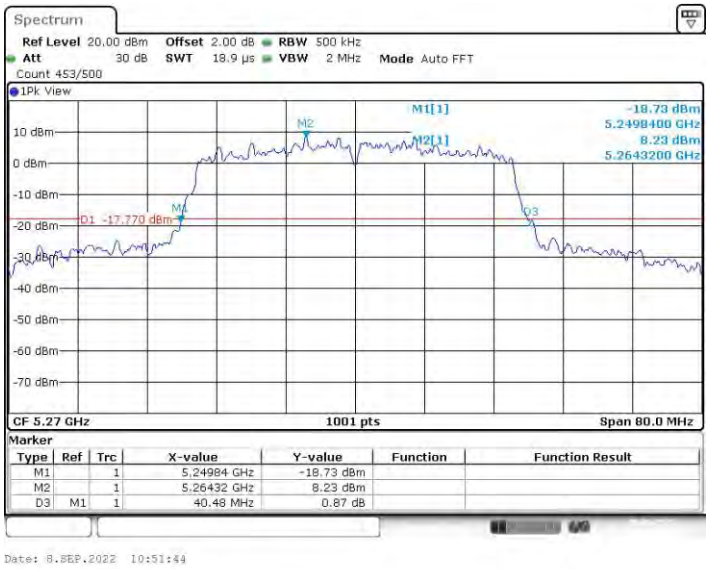
11AC40MIMO_Ant2_5230



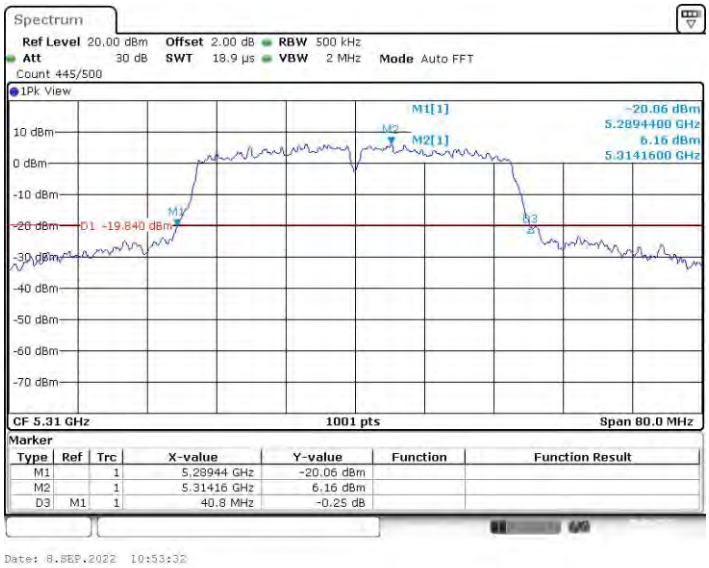
11AC40MIMO_Ant1_5270



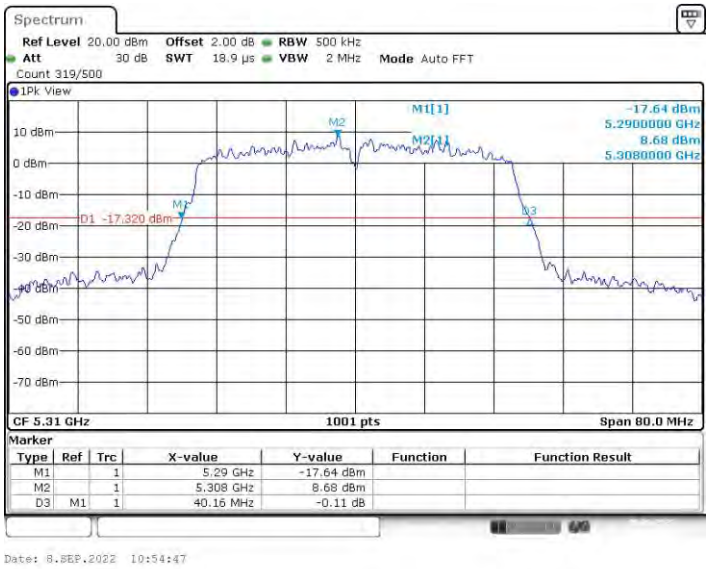
11AC40MIMO_Ant2_5270



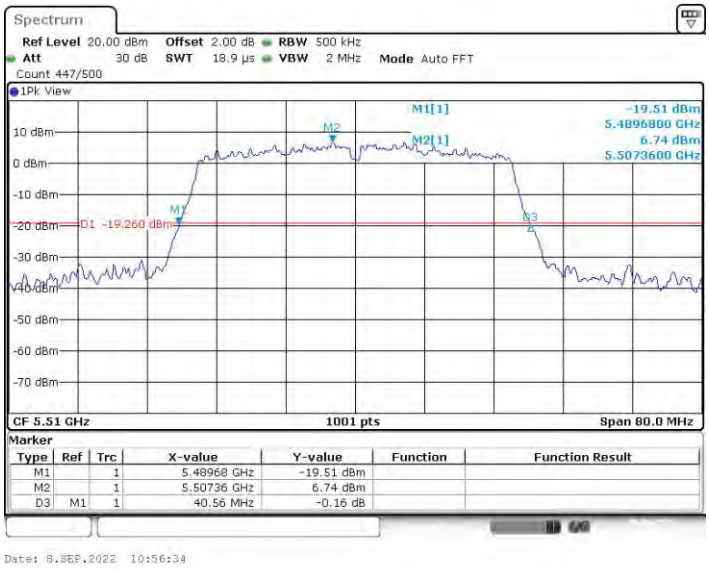
11AC40MIMO_Ant1_5310



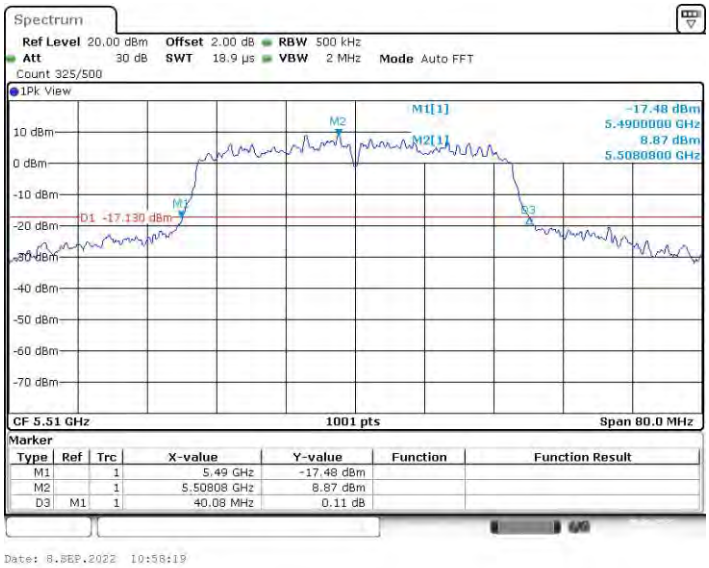
11AC40MIMO_Ant2_5310

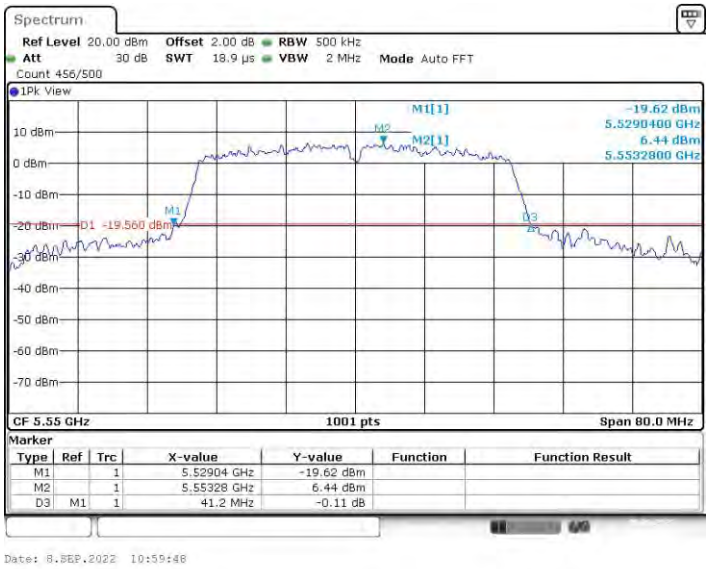


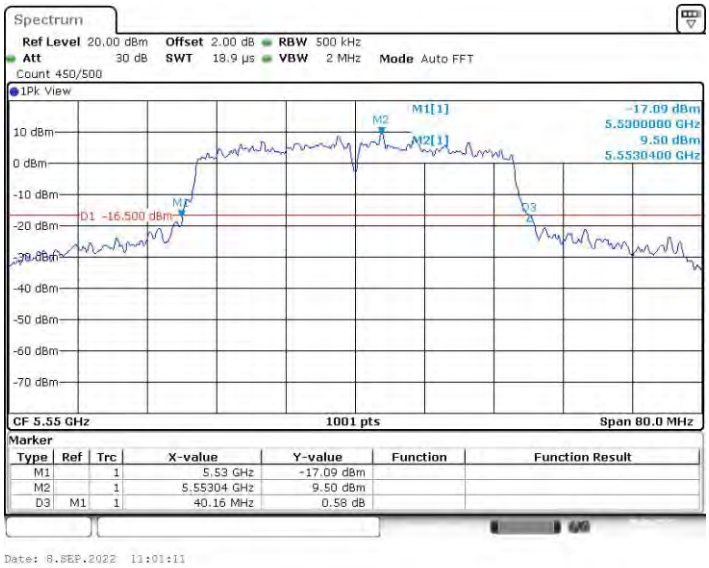
11AC40MIMO_Ant1_5510



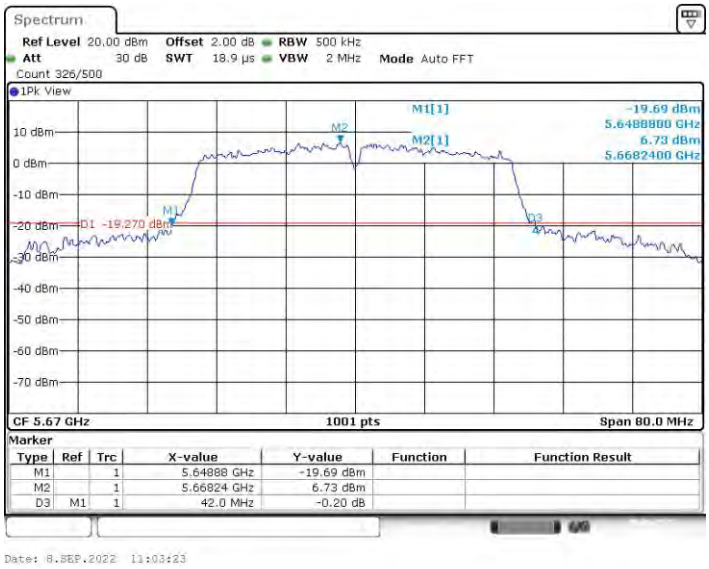
11AC40MIMO_Ant2_5510



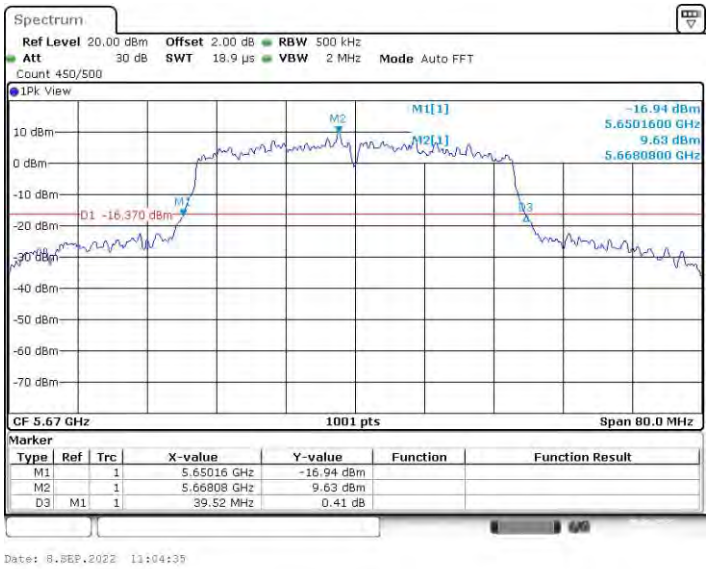
11AC40MIMO_Ant1_5550


11AC40MIMO_Ant2_5550


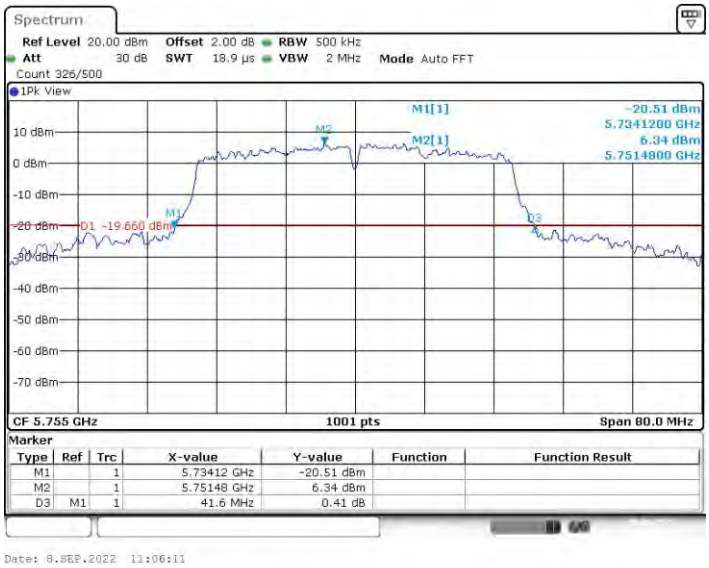
11AC40MIMO_Ant1_5670



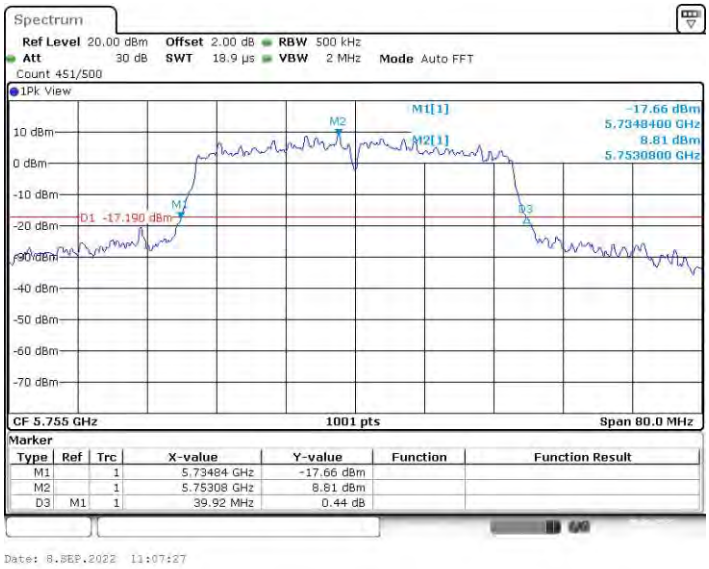
11AC40MIMO_Ant2_5670



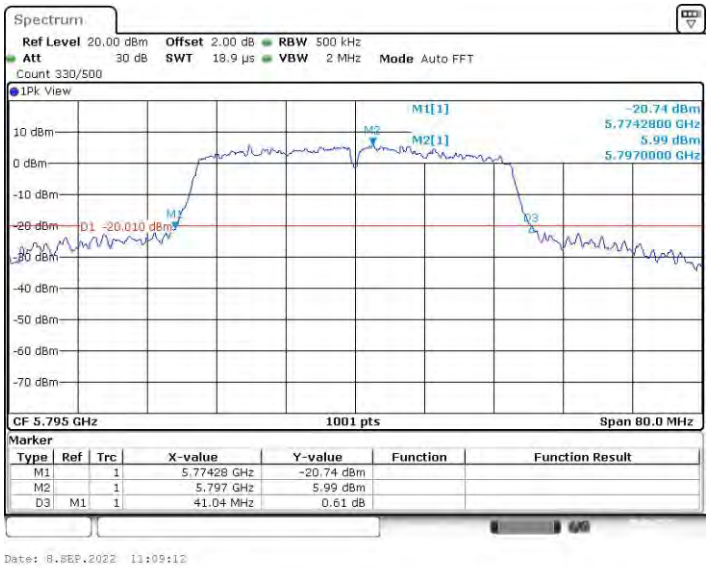
11AC40MIMO_Ant1_5755



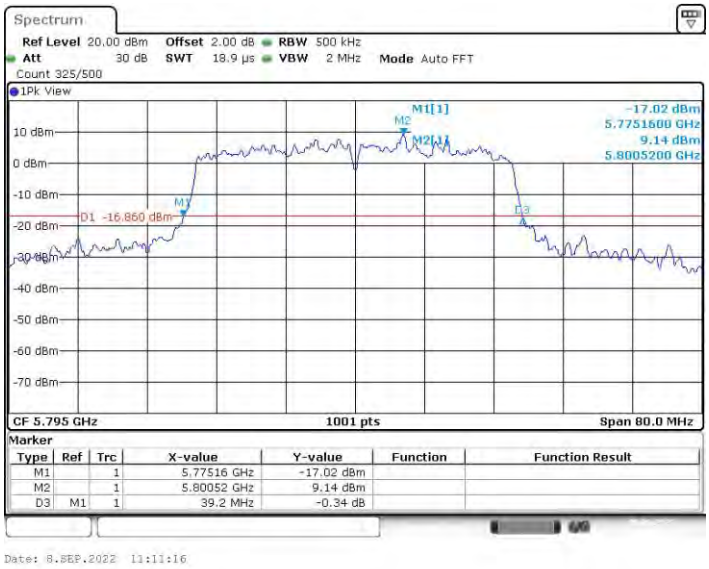
11AC40MIMO_Ant2_5755



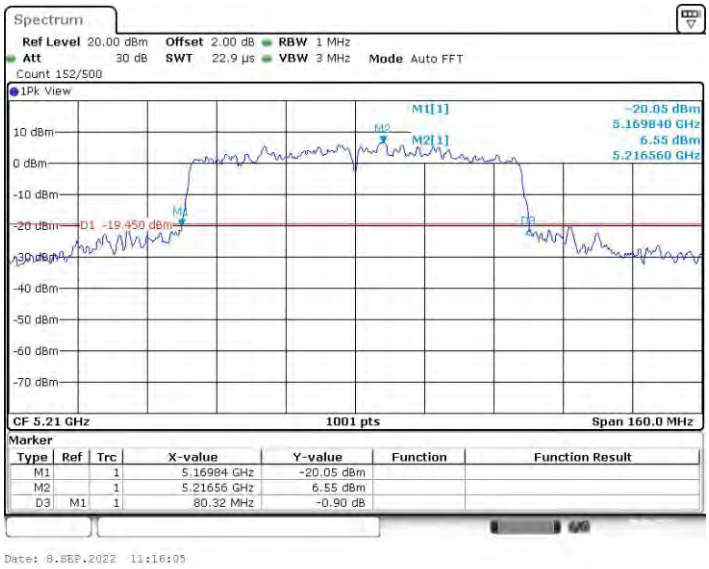
11AC40MIMO_Ant1_5795



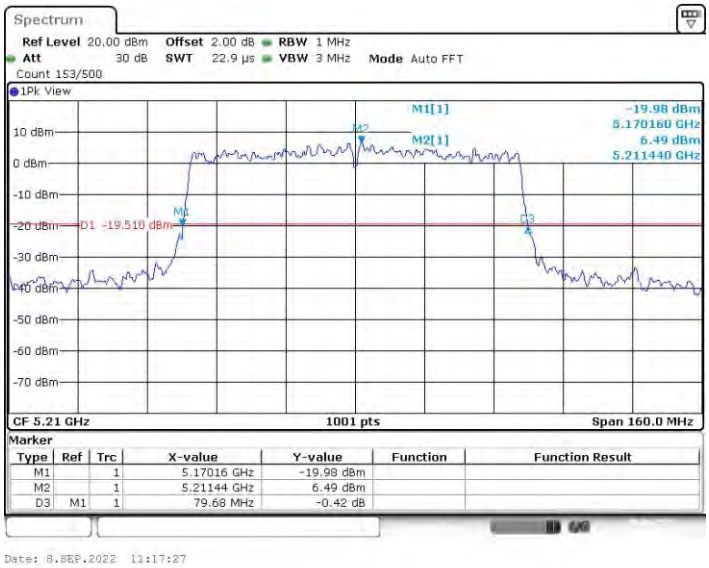
11AC40MIMO_Ant2_5795



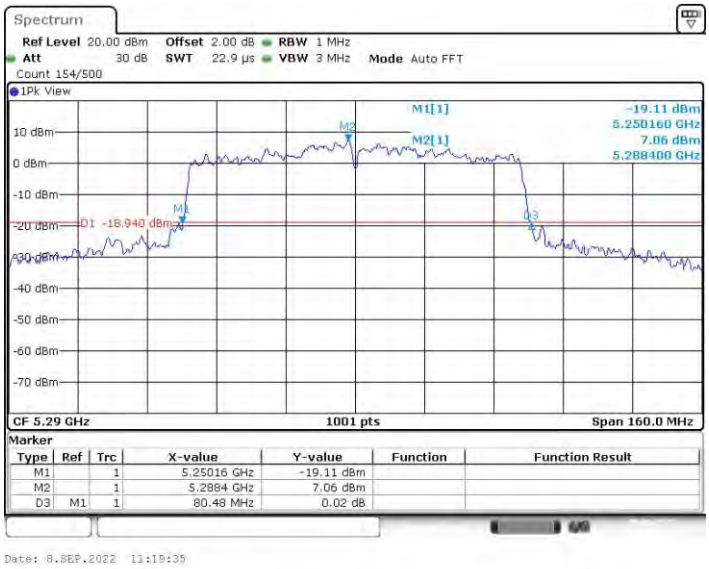
11AC80MIMO_Ant1_5210



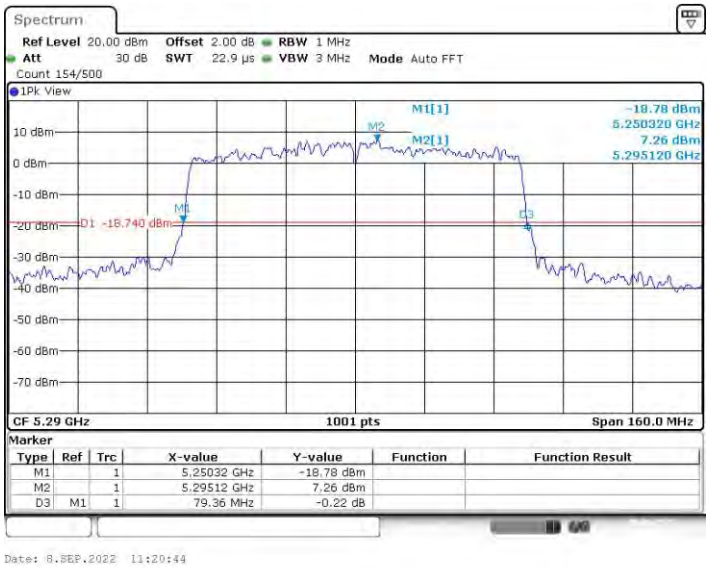
11AC80MIMO_Ant2_5210



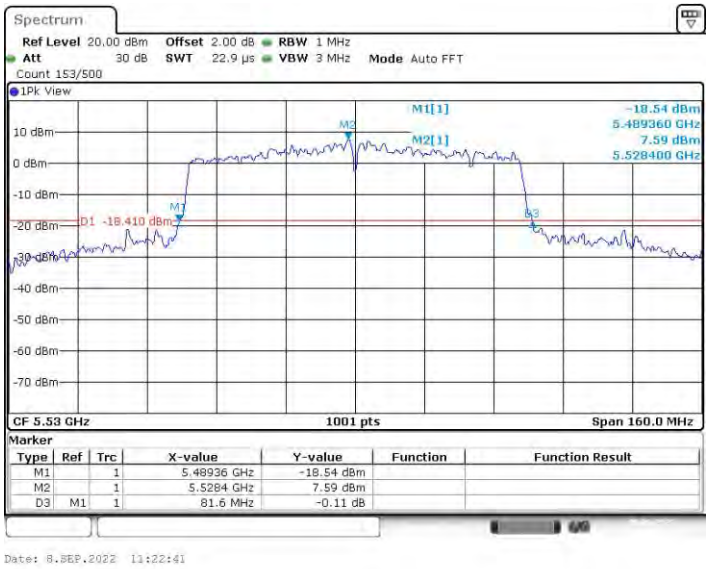
11AC80MIMO_Ant1_5290



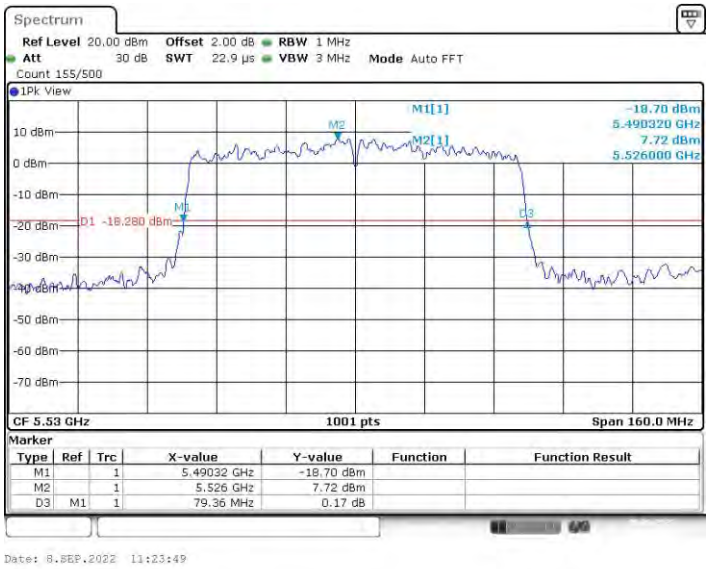
11AC80MIMO_Ant2_5290



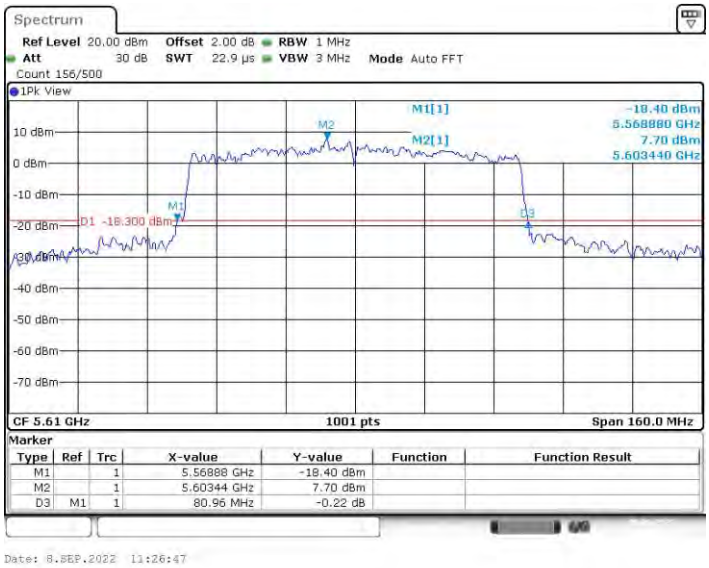
11AC80MIMO_Ant1_5530



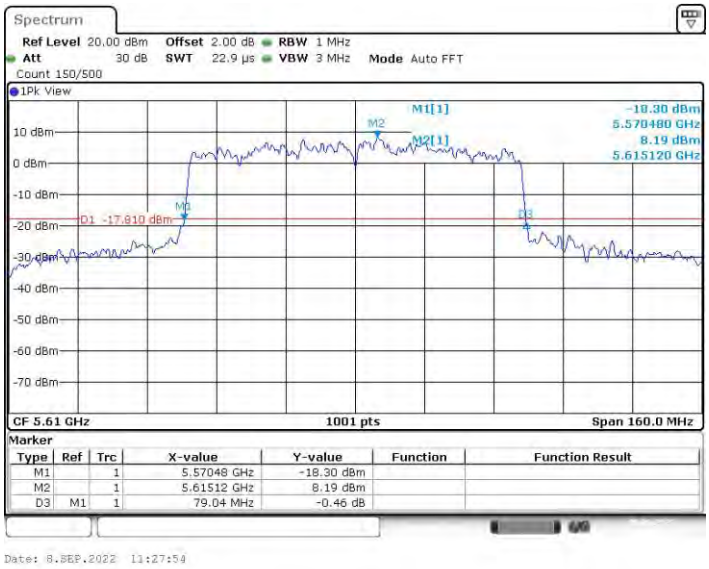
11AC80MIMO_Ant2_5530



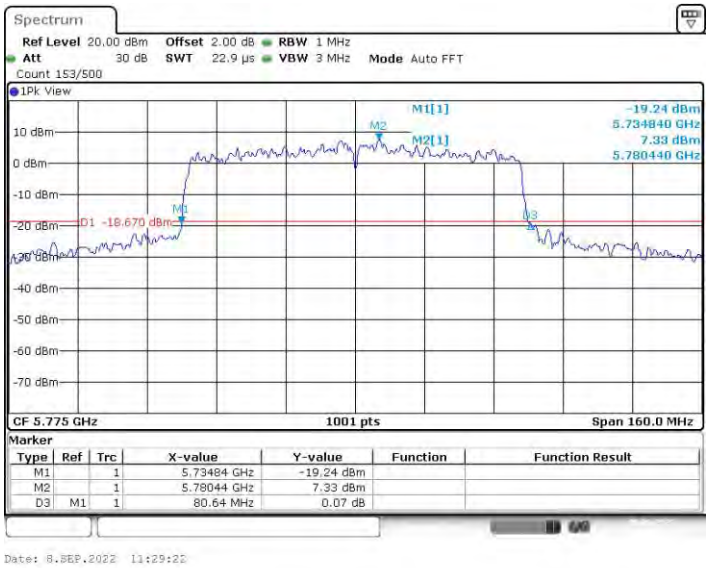
11AC80MIMO_Ant1_5610



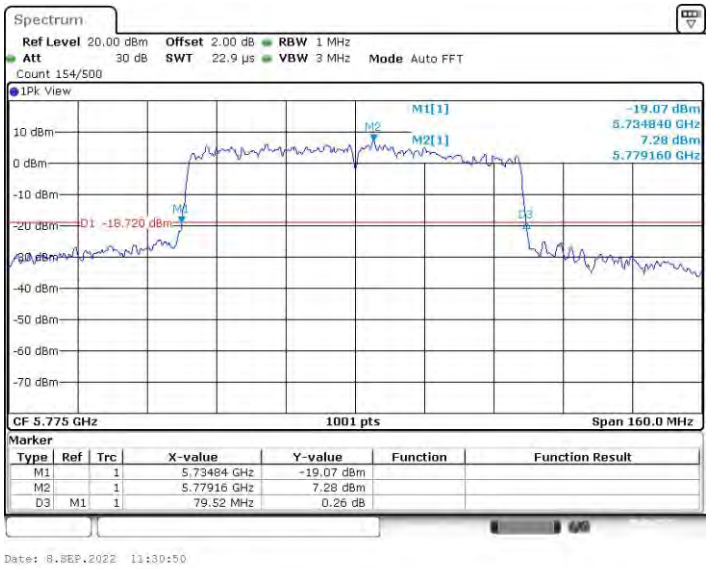
11AC80MIMO_Ant2_5610



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775


Spectrum
Ref Level 20.00 dBm Offset 2.00 dB RBW 1 MHz
Att 30 dB SWT 22.9 µs VBW 3 MHz Mode Auto FFT
Count 154/500
1Pk View
M1[1] -19.07 dBm
5.734840 GHz
M2[1] 7.28 dBm
5.779160 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
D1 -18.720 dBm
CF 5.775 GHz
1001 pts
Span 160.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 5.73484 GHz -19.07 dBm
M2 1 5.77916 GHz 7.28 dBm
D3 M1 1 79.52 MHz 0.26 dB
Date: 8.SEP.2022 11:30:50

Appendix A2: Occupied Channel Bandwidth

Test Result

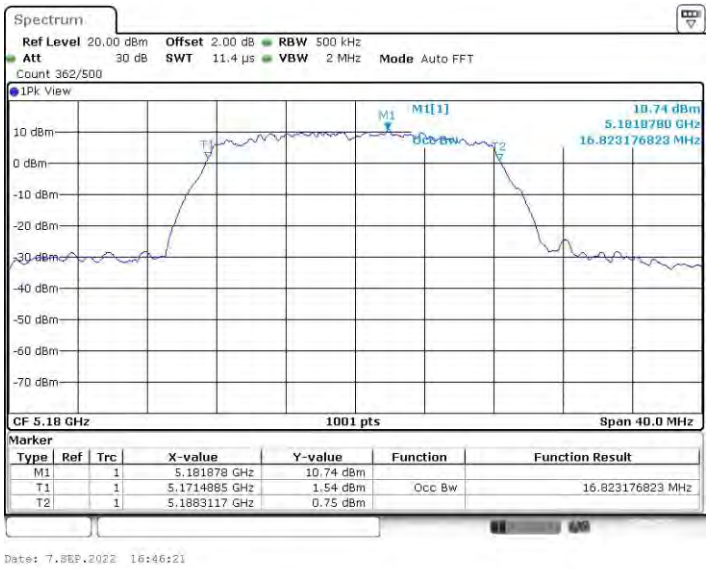
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.823	5171.489	5188.312	---	PASS
	Ant2	5180	17.263	5171.329	5188.591	---	PASS
	Ant1	5200	17.343	5191.169	5208.511	---	PASS
	Ant2	5200	17.143	5191.409	5208.551	---	PASS
	Ant1	5240	16.903	5231.449	5248.352	---	PASS
	Ant2	5240	17.023	5231.449	5248.472	---	PASS
	Ant1	5260	16.943	5251.449	5268.392	---	PASS
	Ant2	5260	17.063	5251.329	5268.392	---	PASS
	Ant1	5280	16.983	5271.369	5288.352	---	PASS
	Ant2	5280	17.103	5271.329	5288.432	---	PASS
	Ant1	5320	16.903	5311.329	5328.232	---	PASS
	Ant2	5320	16.983	5311.329	5328.312	---	PASS
	Ant1	5500	16.903	5491.369	5508.272	---	PASS
	Ant2	5500	16.943	5491.608	5508.551	---	PASS
	Ant1	5580	17.183	5571.289	5588.472	---	PASS
	Ant2	5580	17.103	5571.329	5588.432	---	PASS
	Ant1	5700	17.343	5691.129	5708.472	---	PASS
	Ant2	5700	16.983	5691.528	5708.511	---	PASS
	Ant1	5745	17.143	5736.369	5753.511	---	PASS
	Ant2	5745	16.903	5736.528	5753.432	---	PASS
	Ant1	5785	17.263	5776.329	5793.591	---	PASS
	Ant2	5785	16.783	5776.568	5793.352	---	PASS
	Ant1	5825	17.223	5816.409	5833.631	---	PASS
	Ant2	5825	16.943	5816.409	5833.352	---	PASS
11N20MIMO	Ant1	5180	17.942	5171.049	5188.991	---	PASS
	Ant2	5180	17.702	5171.089	5188.791	---	PASS
	Ant1	5200	18.062	5190.929	5208.991	---	PASS
	Ant2	5200	17.622	5191.129	5208.751	---	PASS
	Ant1	5240	17.822	5231.049	5248.871	---	PASS
	Ant2	5240	17.662	5231.089	5248.751	---	PASS
	Ant1	5260	17.782	5251.049	5268.831	---	PASS
	Ant2	5260	17.622	5251.169	5268.791	---	PASS
	Ant1	5280	17.982	5270.889	5288.871	---	PASS
	Ant2	5280	17.702	5271.089	5288.791	---	PASS
	Ant1	5320	17.942	5310.969	5328.911	---	PASS
	Ant2	5320	17.742	5311.089	5328.831	---	PASS
	Ant1	5500	17.862	5491.009	5508.871	---	PASS
	Ant2	5500	17.622	5491.129	5508.751	---	PASS

	Ant1	5580	17.862	5570.969	5588.831	---	PASS
	Ant2	5580	17.742	5571.049	5588.791	---	PASS
	Ant1	5700	17.862	5690.969	5708.831	---	PASS
	Ant2	5700	17.702	5691.049	5708.751	---	PASS
	Ant1	5745	17.942	5735.969	5753.911	---	PASS
	Ant2	5745	17.702	5736.049	5753.751	---	PASS
	Ant1	5785	17.862	5776.009	5793.871	---	PASS
	Ant2	5785	17.582	5776.169	5793.751	---	PASS
	Ant1	5825	17.942	5815.969	5833.911	---	PASS
	Ant2	5825	17.702	5816.089	5833.791	---	PASS
11N40MIMO	Ant1	5190	36.044	5171.858	5207.902	---	PASS
	Ant2	5190	36.444	5171.698	5208.142	---	PASS
	Ant1	5230	36.683	5211.618	5248.302	---	PASS
	Ant2	5230	36.444	5211.698	5248.142	---	PASS
	Ant1	5270	36.364	5251.778	5288.142	---	PASS
	Ant2	5270	36.444	5251.778	5288.222	---	PASS
	Ant1	5310	36.284	5291.778	5328.062	---	PASS
	Ant2	5310	36.284	5291.938	5328.222	---	PASS
	Ant1	5510	36.364	5491.778	5528.142	---	PASS
	Ant2	5510	36.444	5491.778	5528.222	---	PASS
	Ant1	5550	36.284	5531.858	5568.142	---	PASS
	Ant2	5550	36.204	5531.778	5567.982	---	PASS
	Ant1	5670	36.444	5651.698	5688.142	---	PASS
	Ant2	5670	36.523	5651.778	5688.302	---	PASS
	Ant1	5755	36.284	5736.778	5773.062	---	PASS
	Ant2	5755	36.523	5736.698	5773.222	---	PASS
	Ant1	5795	36.204	5776.778	5812.982	---	PASS
	Ant2	5795	36.364	5776.858	5813.222	---	PASS
11AC20MIMO	Ant1	5180	18.142	5170.929	5189.071	---	PASS
	Ant2	5180	17.702	5171.089	5188.791	---	PASS
	Ant1	5200	18.142	5190.929	5209.071	---	PASS
	Ant2	5200	17.822	5191.009	5208.831	---	PASS
	Ant1	5240	17.902	5231.089	5248.991	---	PASS
	Ant2	5240	17.742	5231.089	5248.831	---	PASS
	Ant1	5260	18.022	5250.929	5268.951	---	PASS
	Ant2	5260	17.742	5251.049	5268.791	---	PASS
	Ant1	5280	18.022	5270.849	5288.871	---	PASS
	Ant2	5280	17.662	5271.089	5288.751	---	PASS
	Ant1	5320	18.102	5310.929	5329.031	---	PASS
	Ant2	5320	17.662	5311.089	5328.751	---	PASS
	Ant1	5500	17.822	5491.089	5508.911	---	PASS
	Ant2	5500	17.782	5491.009	5508.791	---	PASS
	Ant1	5580	18.102	5570.929	5589.031	---	PASS

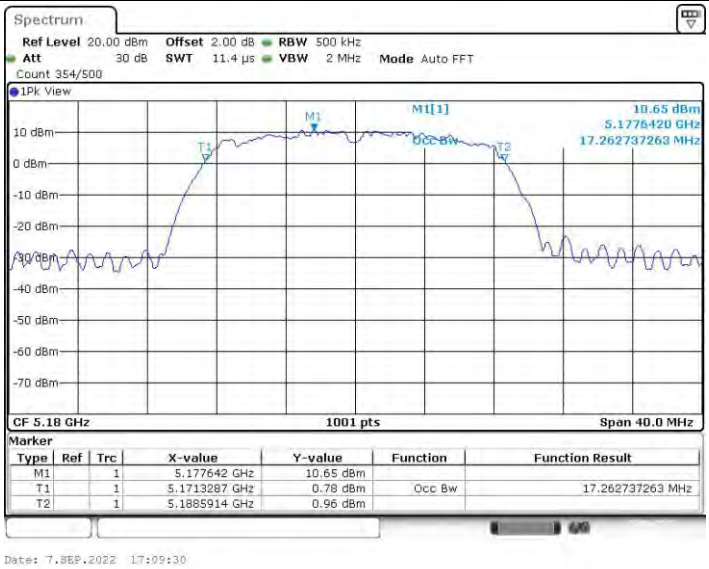
	Ant2	5580	17.702	5571.089	5588.791	---	PASS
	Ant1	5700	18.182	5690.849	5709.031	---	PASS
	Ant2	5700	17.742	5691.049	5708.791	---	PASS
	Ant1	5745	18.182	5735.929	5754.111	---	PASS
	Ant2	5745	17.702	5736.089	5753.791	---	PASS
	Ant1	5785	18.062	5775.929	5793.991	---	PASS
	Ant2	5785	17.662	5776.049	5793.711	---	PASS
	Ant1	5825	18.102	5815.849	5833.951	---	PASS
	Ant2	5825	17.782	5816.009	5833.791	---	PASS
11AC40MIMO	Ant1	5190	36.364	5171.858	5208.222	---	PASS
	Ant2	5190	36.124	5171.858	5207.982	---	PASS
	Ant1	5230	36.204	5211.858	5248.062	---	PASS
	Ant2	5230	36.124	5211.858	5247.982	---	PASS
	Ant1	5270	36.284	5251.858	5288.142	---	PASS
	Ant2	5270	36.603	5251.618	5288.222	---	PASS
	Ant1	5310	36.204	5291.778	5327.982	---	PASS
	Ant2	5310	36.284	5291.858	5328.142	---	PASS
	Ant1	5510	36.204	5491.858	5528.062	---	PASS
	Ant2	5510	36.204	5491.858	5528.062	---	PASS
	Ant1	5550	36.364	5531.698	5568.062	---	PASS
	Ant2	5550	36.364	5531.778	5568.142	---	PASS
	Ant1	5670	36.284	5651.858	5688.142	---	PASS
	Ant2	5670	36.284	5651.778	5688.062	---	PASS
	Ant1	5755	36.364	5736.858	5773.222	---	PASS
	Ant2	5755	36.284	5736.858	5773.142	---	PASS
	Ant1	5795	36.204	5776.778	5812.982	---	PASS
	Ant2	5795	36.603	5776.618	5813.222	---	PASS
11AC80MIMO	Ant1	5210	75.924	5172.278	5248.202	---	PASS
	Ant2	5210	75.604	5172.118	5247.722	---	PASS
	Ant1	5290	75.764	5252.118	5327.882	---	PASS
	Ant2	5290	75.604	5252.278	5327.882	---	PASS
	Ant1	5530	75.764	5492.118	5567.882	---	PASS
	Ant2	5530	75.604	5492.118	5567.722	---	PASS
	Ant1	5610	76.084	5571.958	5648.042	---	PASS
	Ant2	5610	75.445	5572.118	5647.562	---	PASS
	Ant1	5775	75.764	5737.118	5812.882	---	PASS
	Ant2	5775	75.604	5736.798	5812.403	---	PASS

Test Graphs

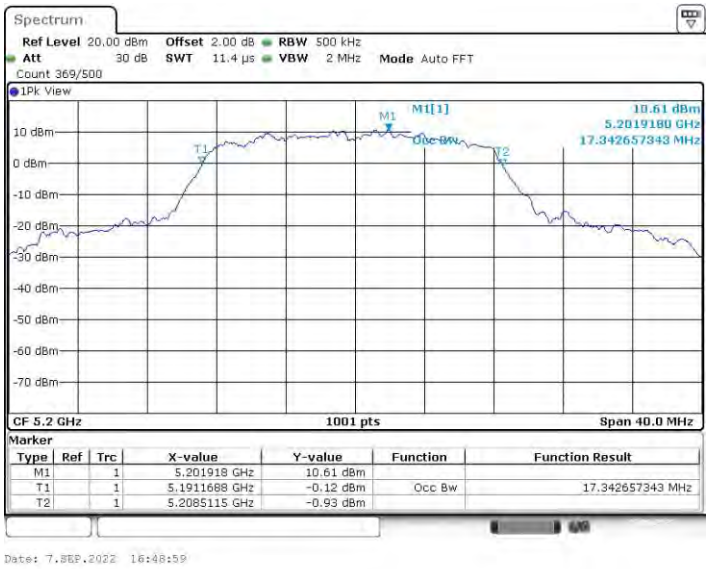
11A_Ant1_5180



11A_Ant2_5180



11A_Ant1_5200



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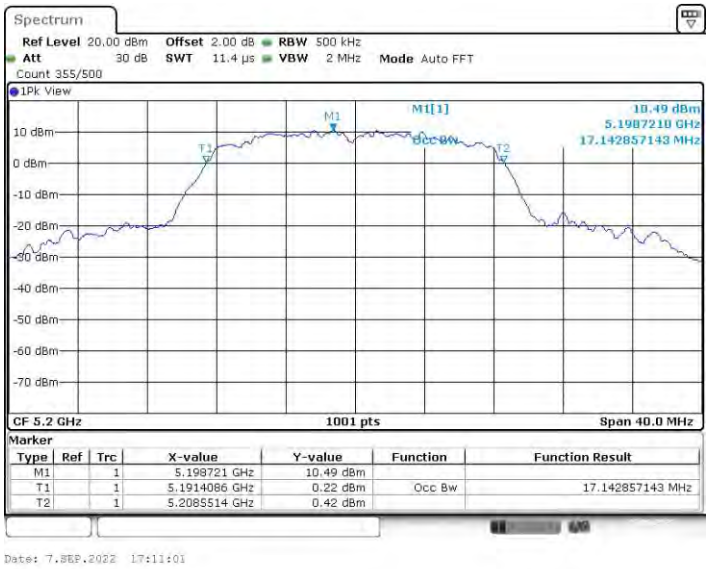

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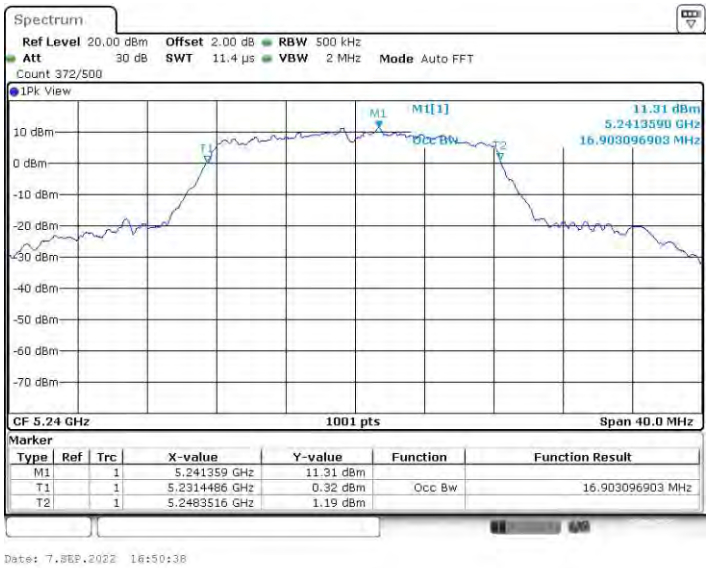

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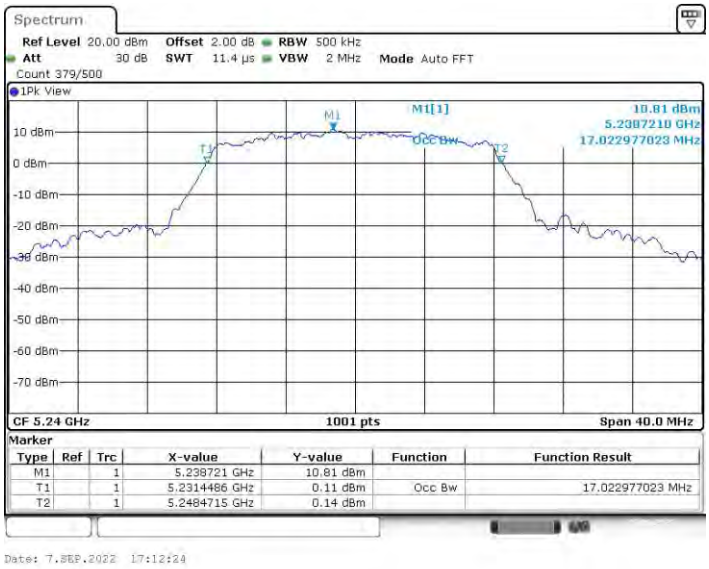
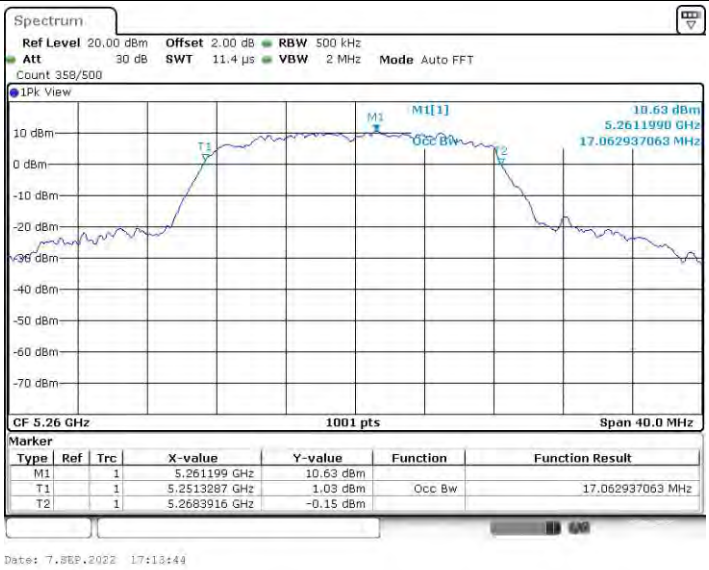


11A_Ant1_5260

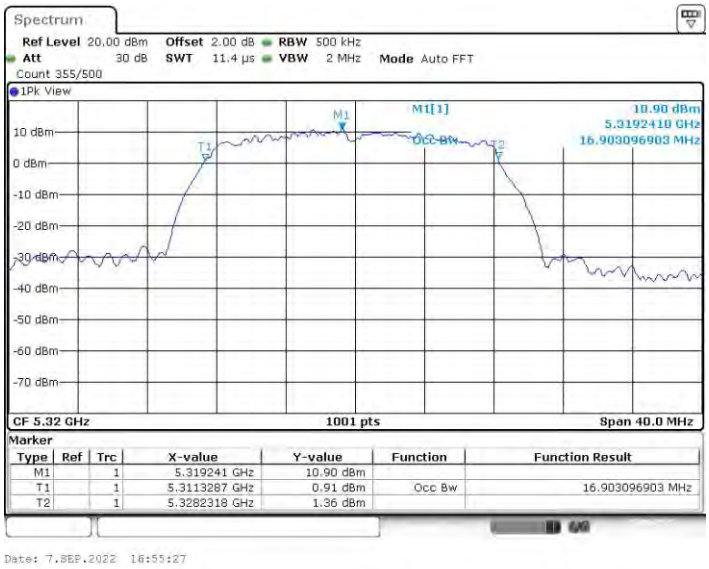
11A_Ant2_5260



11A_Ant1_5280

11A_Ant2_5280

11A_Ant1_5320



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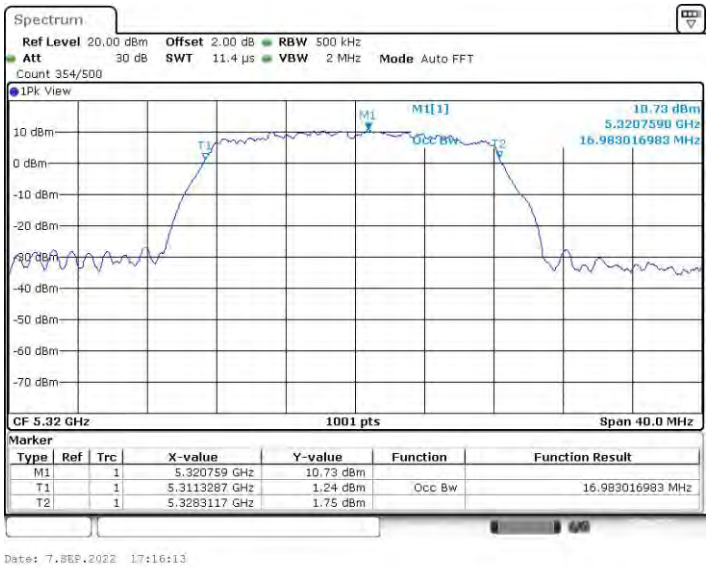

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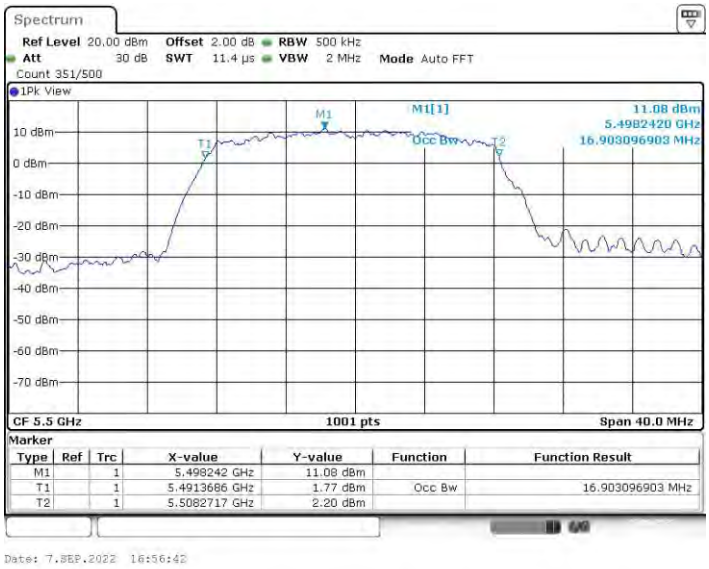

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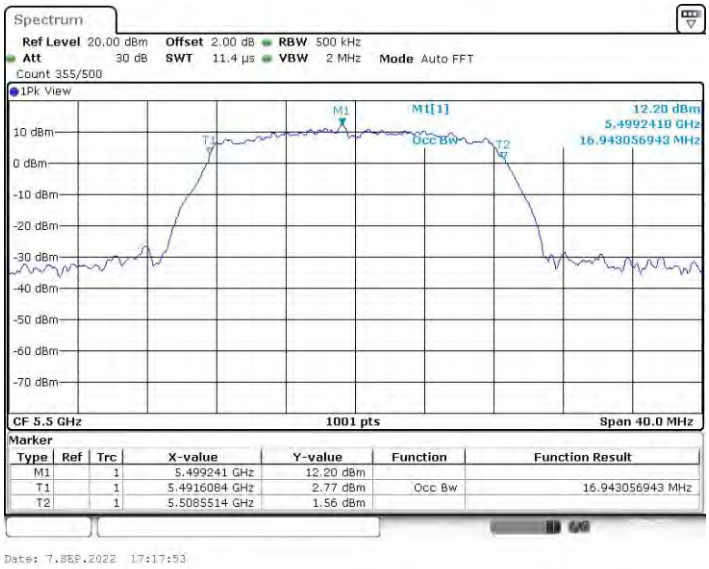
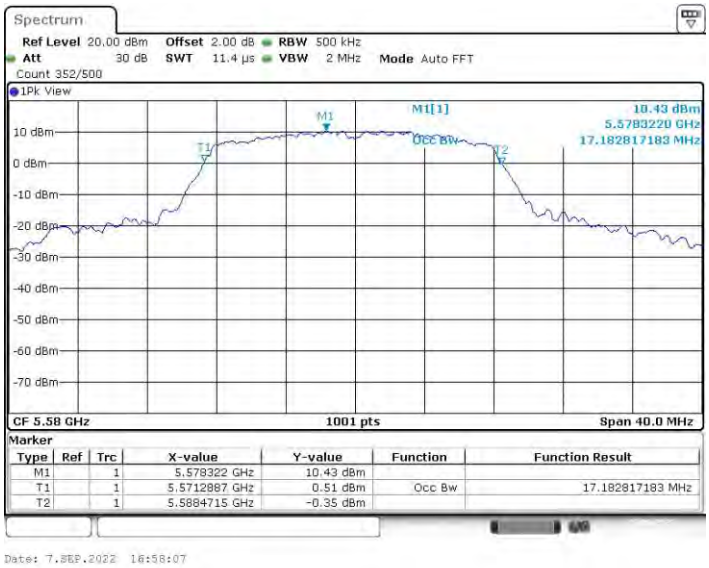


11A_Ant1_5580



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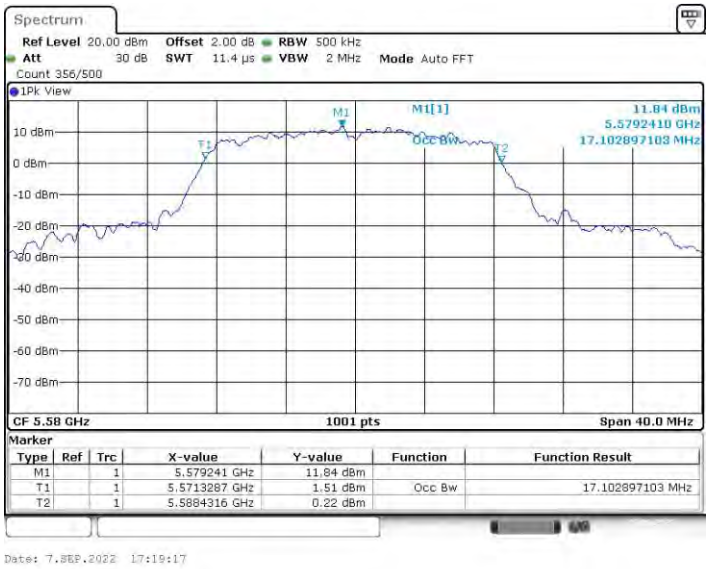

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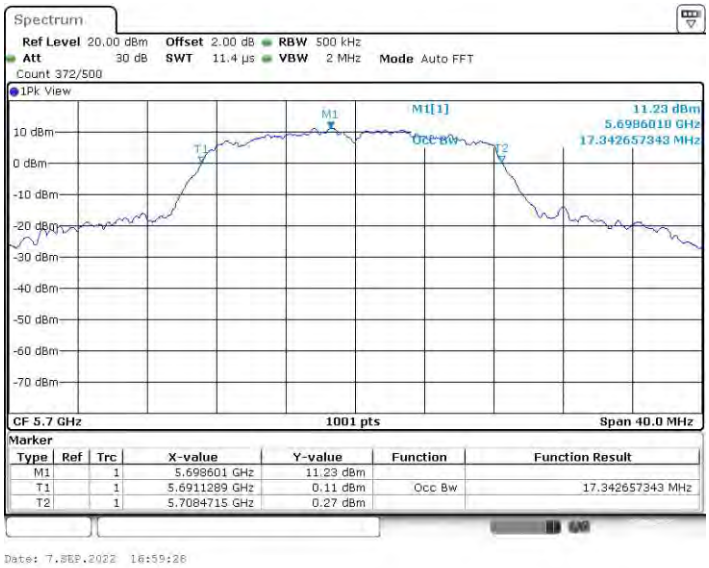

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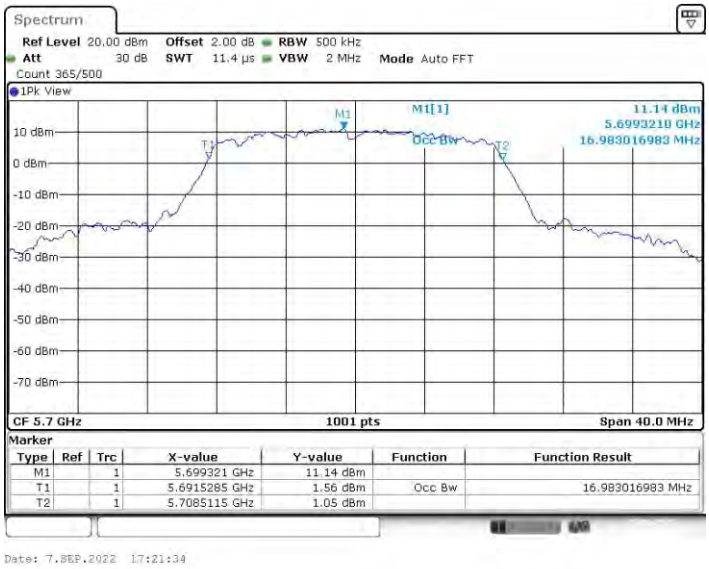

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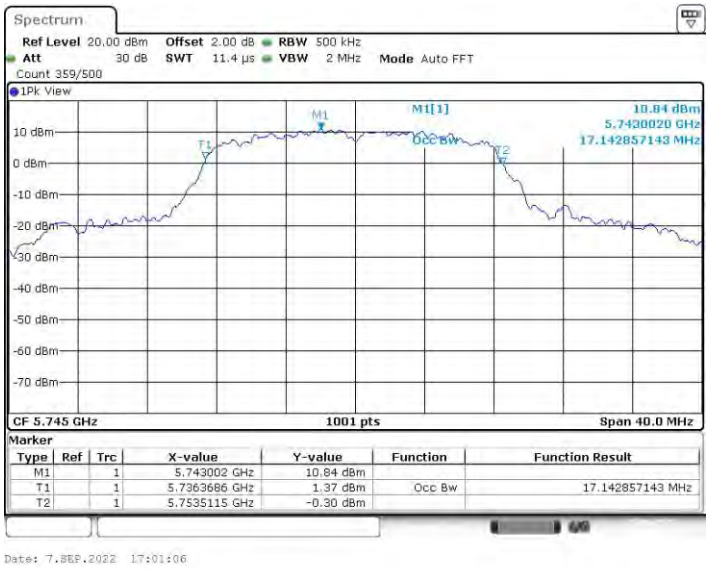

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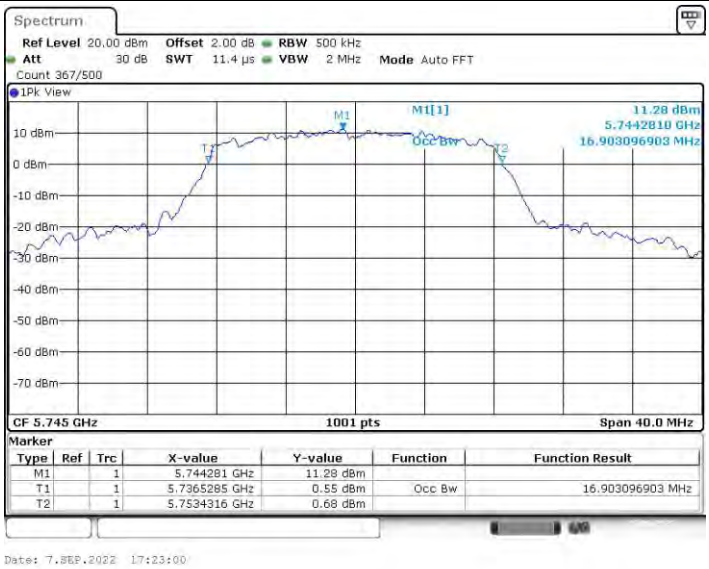

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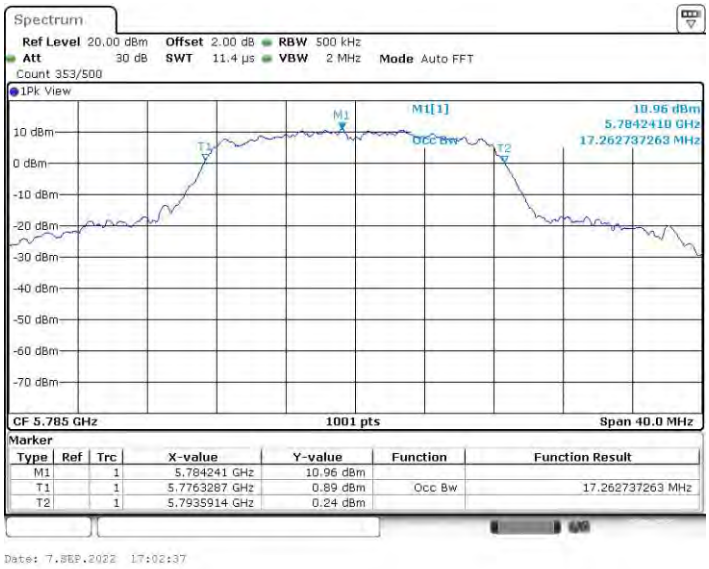

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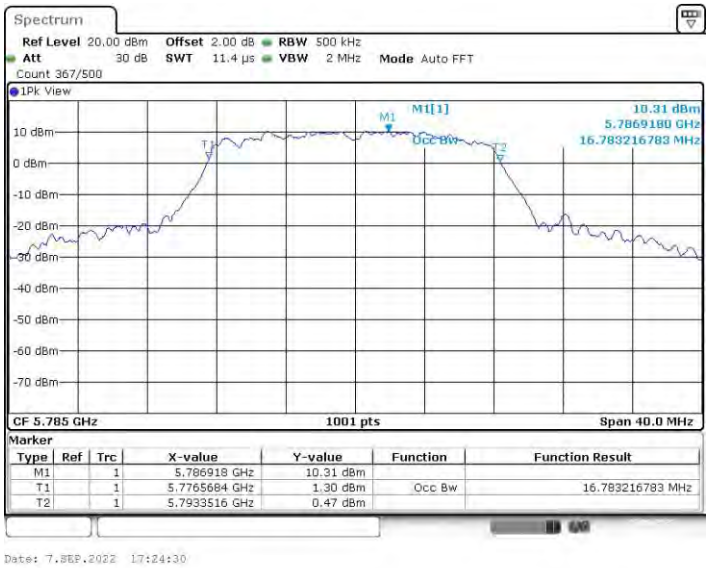

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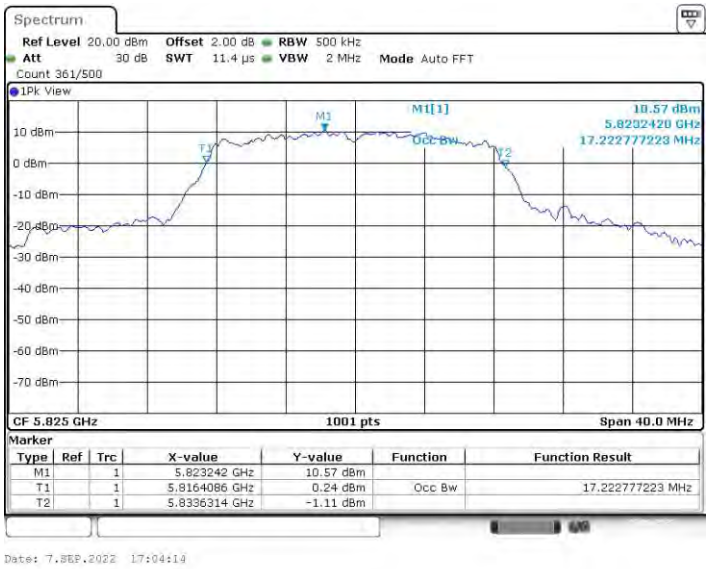

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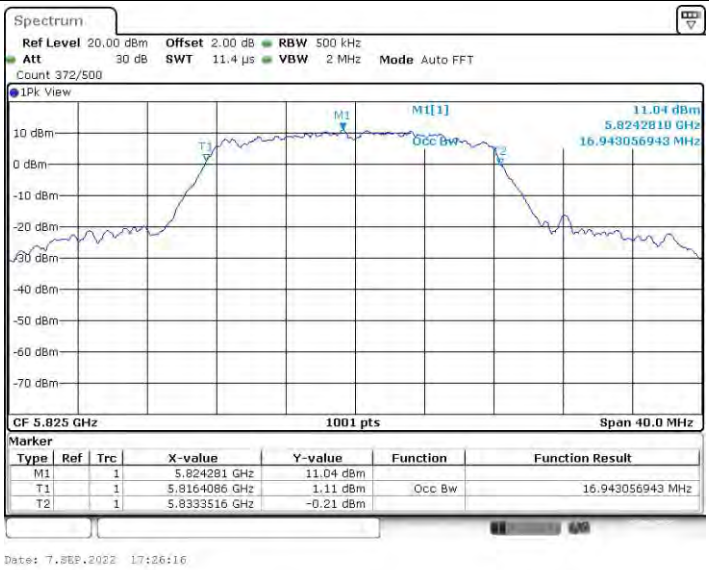
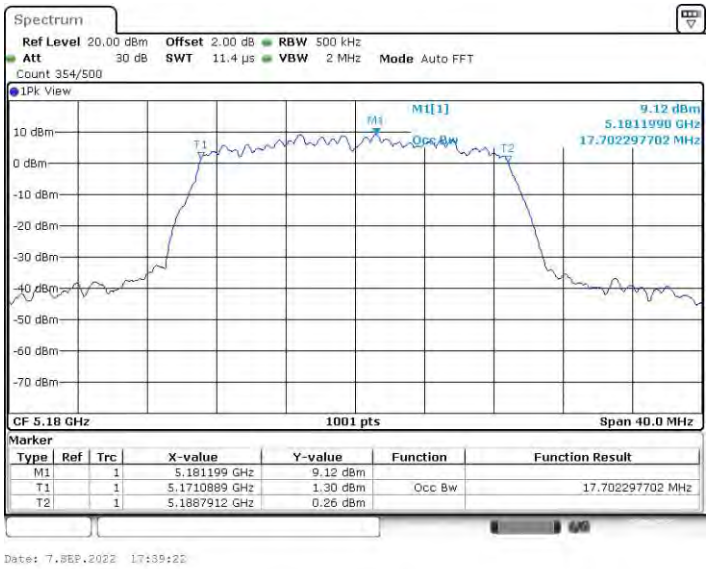


11N20MIMO_Ant1_5180

11N20MIMO_Ant2_5180

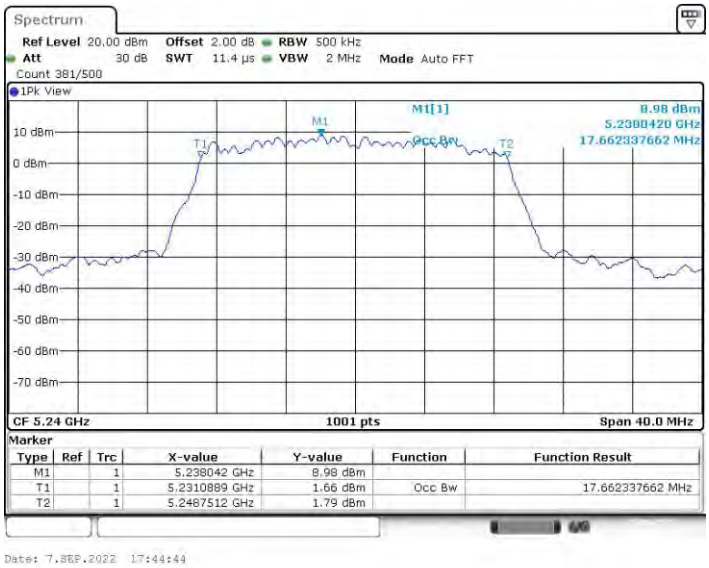


11N20MIMO_Ant1_5200

11N20MIMO_Ant2_5200

11N20MIMO_Ant1_5240

11N20MIMO_Ant2_5240



11N20MIMO_Ant1_5260

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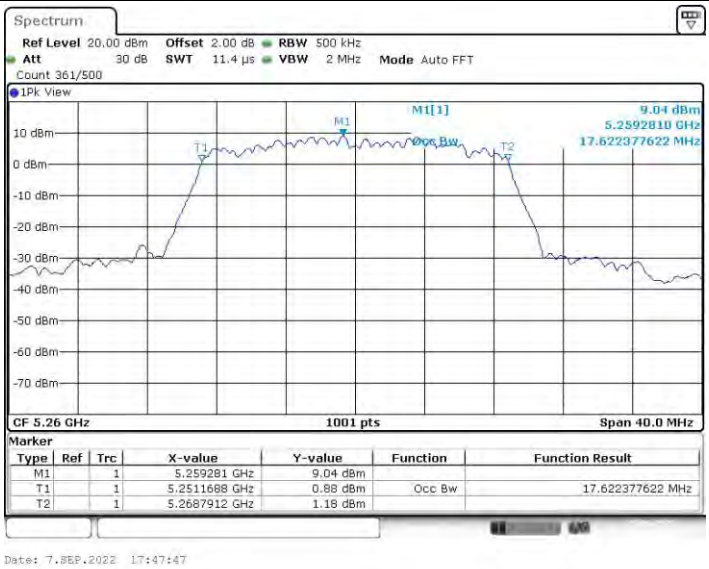

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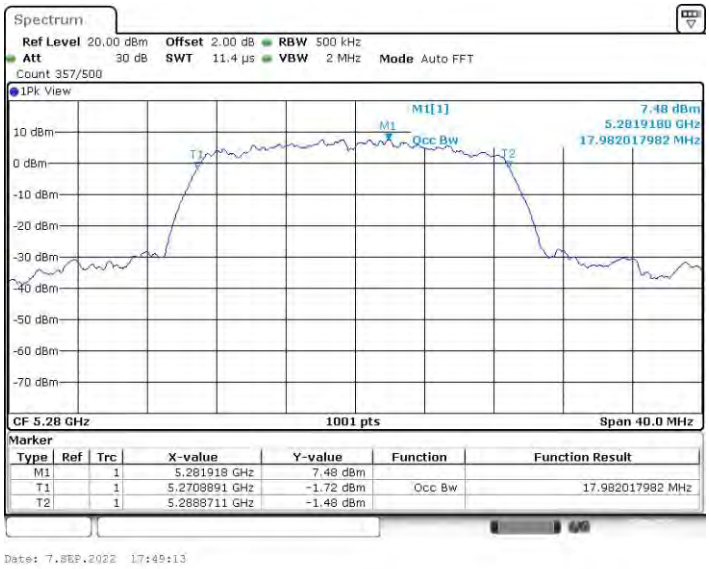

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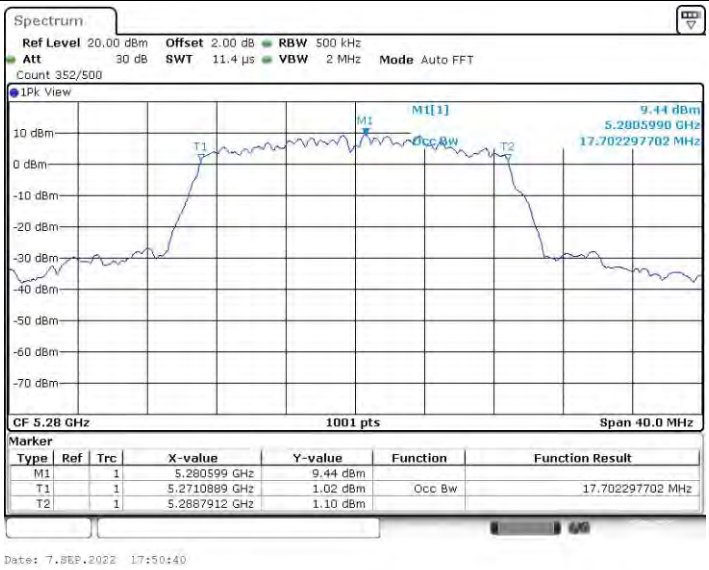
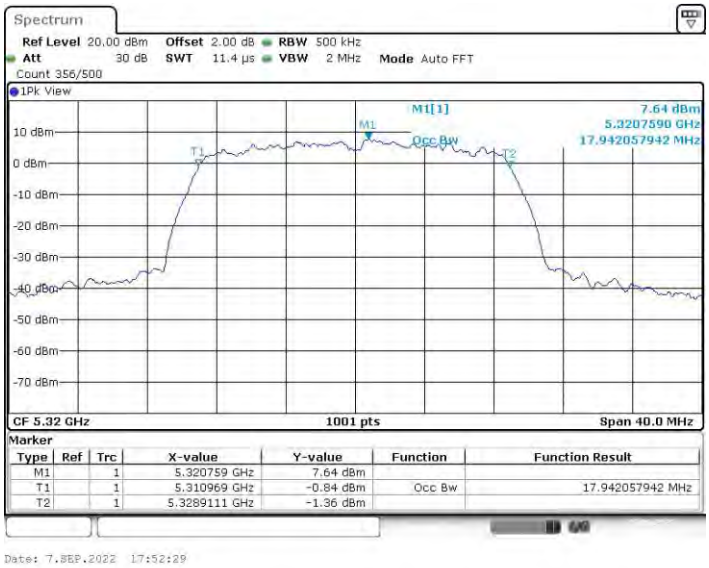
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