

RF Test Data for 5G Wi-Fi (Conducted Measurements)

General Description of EUT	
Product Name:	Tablet PC
Test Model:	IRA T1030
Sample ID:	HC-C-202406-0309-01-02
Environmental Conditions	
Temperature:	22.0℃-25℃
Relative Humidity:	43%-55%
Test Voltage:	DC 3.8V
Test Engineer:	Mike Yan
Note: For a more detailed features description, please refer to the report TBR-C-202406-0309-23	

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1. Emission Bandwidth

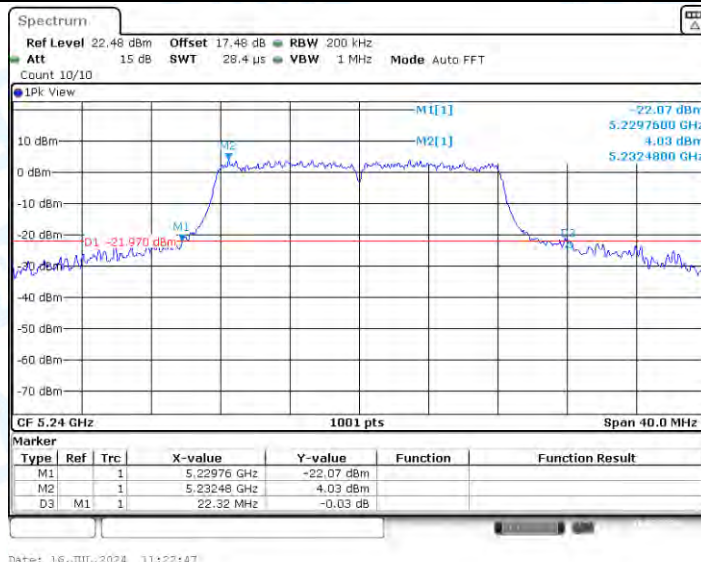
1.1. Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	24.28	5167.68	5191.96	---	---
		5200	22.52	5188.76	5211.28	---	---
		5240	22.32	5229.76	5252.08	---	---
		5260	22.80	5249.80	5272.60	---	---
		5280	22.80	5267.56	5290.36	---	---
		5320	22.76	5309.84	5332.60	---	---
		5500	26.28	5487.08	5513.36	---	---
		5580	23.68	5567.04	5590.72	---	---
		5700	32.36	5685.84	5718.20	---	---
		5745	26.40	5732.04	5758.44	---	---
		5785	27.24	5772.56	5799.80	---	---
		5825	23.84	5814.80	5838.64	---	---
11N20SISO	Ant1	5180	24.56	5167.12	5191.68	---	---
		5200	25.00	5189.04	5214.04	---	---
		5240	26.56	5226.56	5253.12	---	---
		5260	27.20	5244.00	5271.20	---	---
		5280	25.28	5266.08	5291.36	---	---
		5320	23.36	5307.08	5330.44	---	---
		5500	25.52	5487.00	5512.52	---	---
		5580	23.24	5566.72	5589.96	---	---
		5700	27.00	5688.40	5715.40	---	---
		5745	28.00	5731.80	5759.80	---	---
		5785	26.08	5772.76	5798.84	---	---
		5825	25.00	5813.20	5838.20	---	---
11N40SISO	Ant1	5190	41.28	5170.24	5211.52	---	---
		5230	39.76	5210.08	5249.84	---	---
		5270	39.28	5250.24	5289.52	---	---
		5310	39.68	5290.24	5329.92	---	---
		5510	40.72	5490.00	5530.72	---	---
		5550	39.60	5530.08	5569.68	---	---
		5670	40.56	5649.92	5690.48	---	---
		5755	45.68	5735.16	5780.84	---	---
		5795	39.92	5775.00	5814.92	---	---
11AC20SISO	Ant1	5180	25.36	5168.16	5193.52	---	---
		5200	22.96	5188.64	5211.60	---	---
		5240	24.56	5226.60	5251.16	---	---
		5260	25.92	5245.88	5271.80	---	---
		5280	27.68	5266.48	5294.16	---	---
		5320	25.96	5306.96	5332.92	---	---
		5500	28.80	5483.96	5512.76	---	---

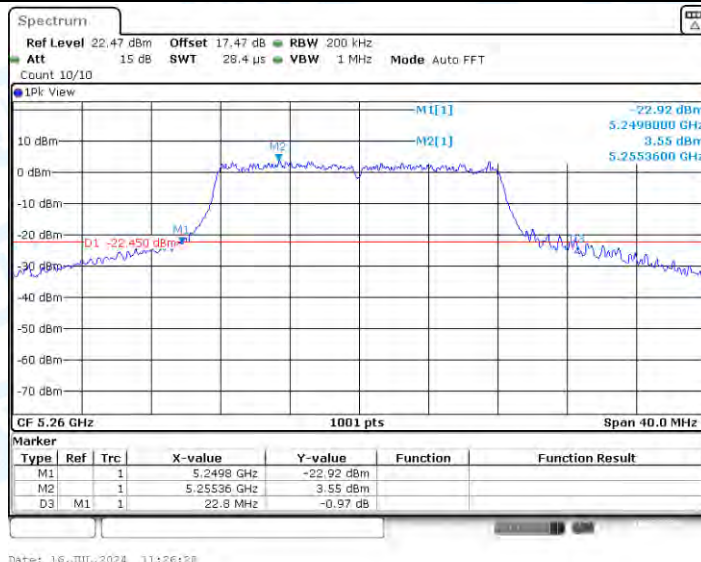
		5580	23.16	5568.68	5591.84	---	---
		5700	28.28	5686.72	5715.00	---	---
		5745	29.56	5731.80	5761.36	---	---
		5785	27.44	5771.76	5799.20	---	---
		5825	27.20	5813.12	5840.32	---	---
11AC40SISO	Ant1	5190	39.76	5170.08	5209.84	---	---
		5230	44.24	5209.20	5253.44	---	---
		5270	42.16	5247.84	5290.00	---	---
		5310	39.76	5289.84	5329.60	---	---
		5510	40.80	5490.00	5530.80	---	---
		5550	39.68	5530.00	5569.68	---	---
		5670	40.24	5649.76	5690.00	---	---
		5755	46.16	5734.84	5781.00	---	---
		5795	40.24	5774.76	5815.00	---	---
11AC80SISO	Ant1	5210	79.84	5170.16	5250.00	---	---
		5290	79.52	5250.16	5329.68	---	---
		5530	79.20	5490.32	5569.52	---	---
		5610	83.52	5566.16	5649.68	---	---
		5775	106.40	5733.56	5839.96	---	---

2.1. Test Graphs

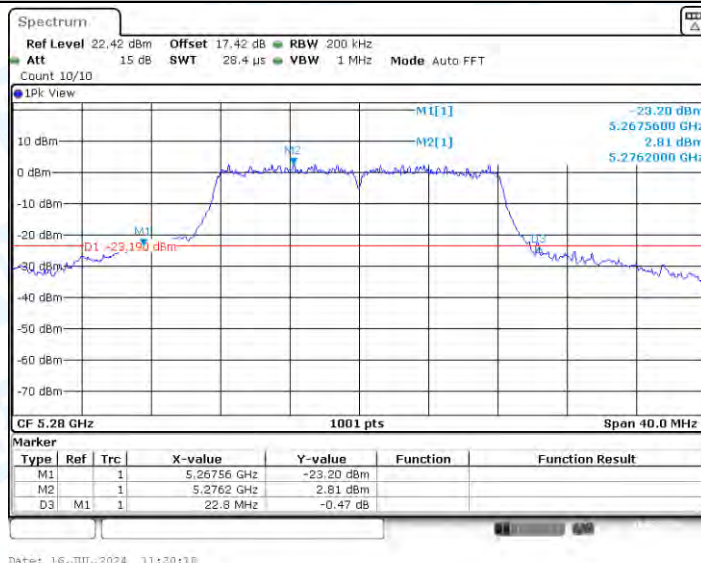




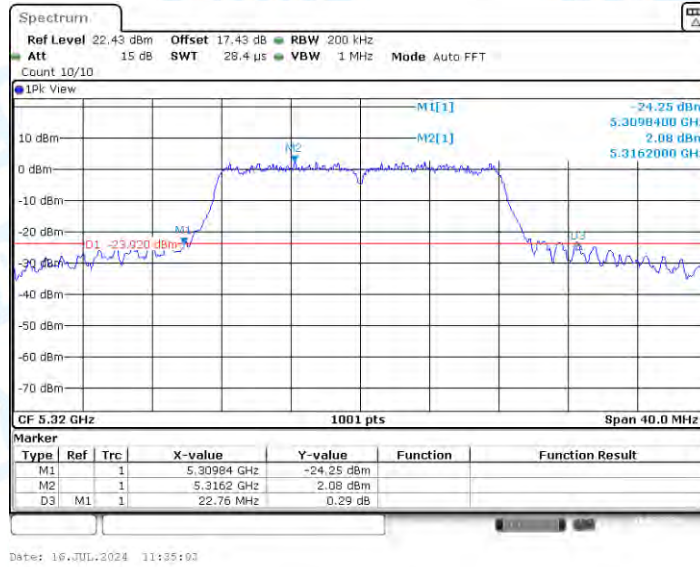
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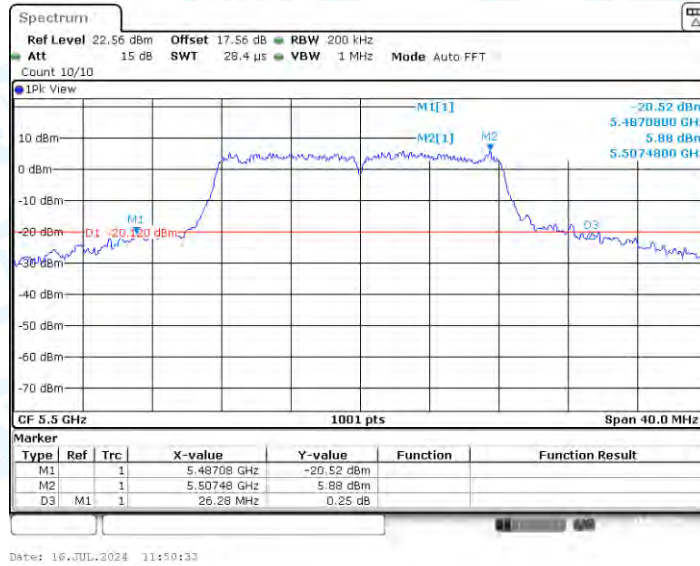
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11A_Ant1_5320



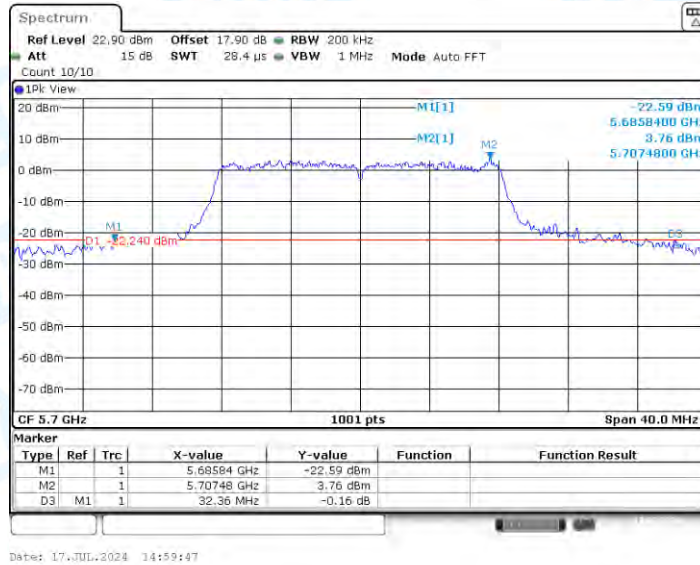
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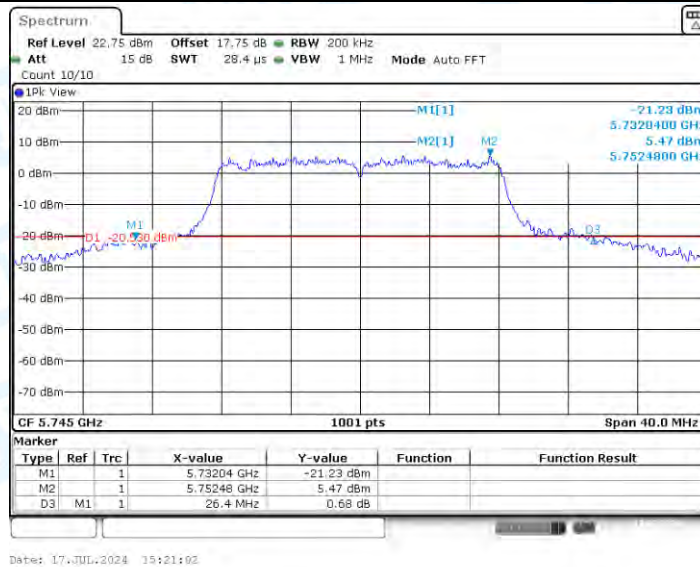
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11A_Ant1_5700



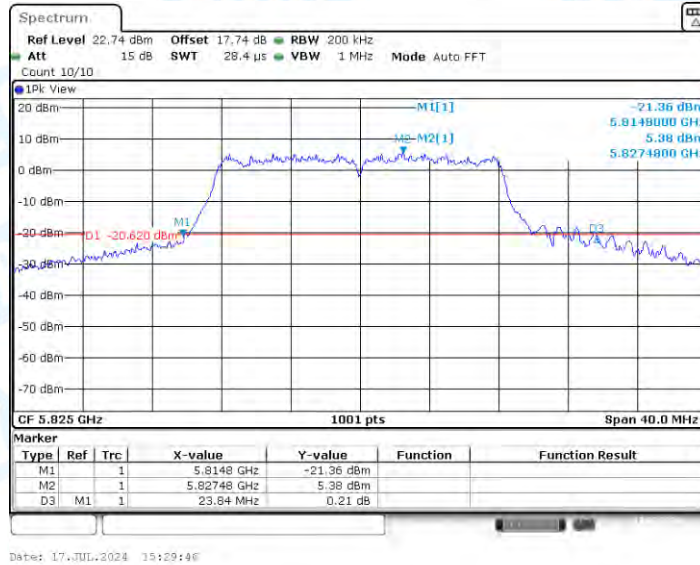
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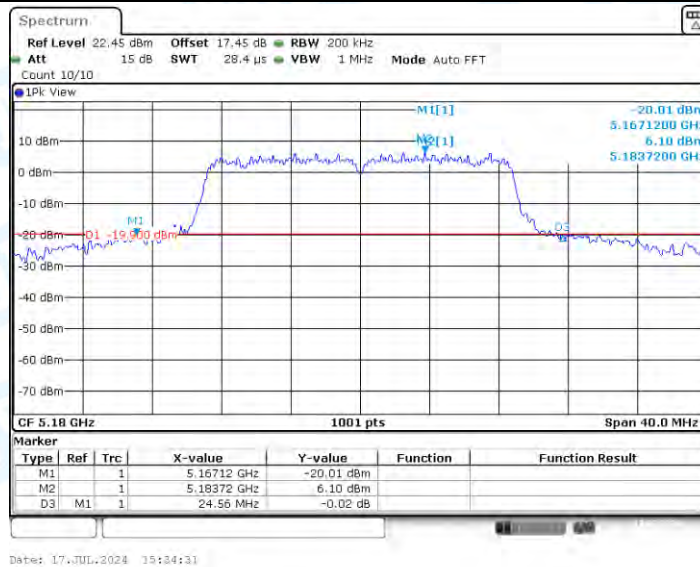
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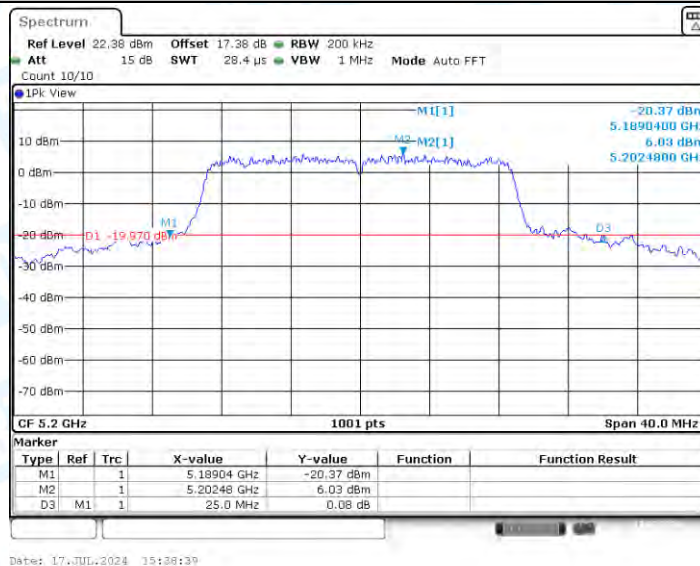
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11N20SISO_Ant1_5180



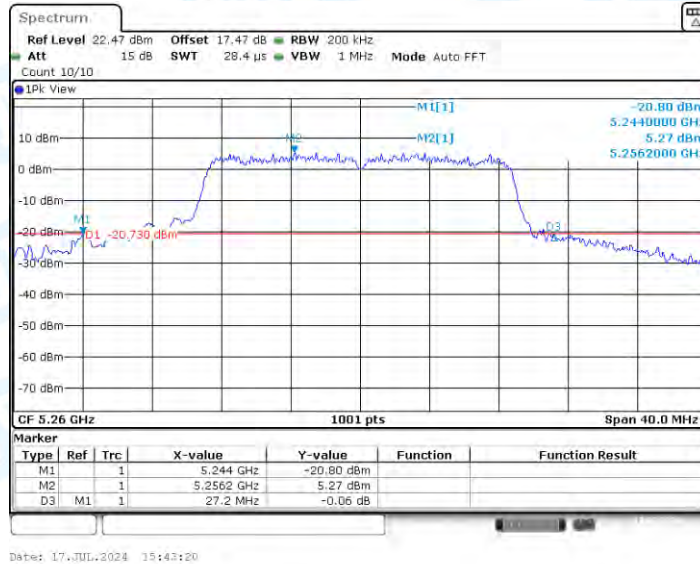
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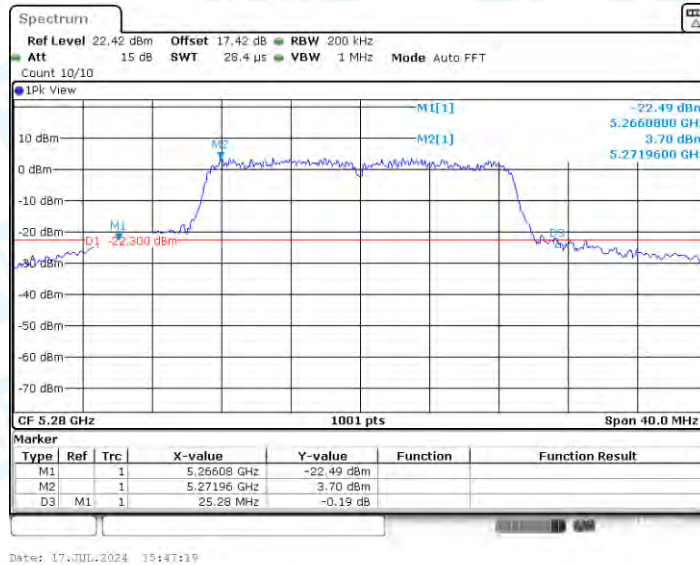
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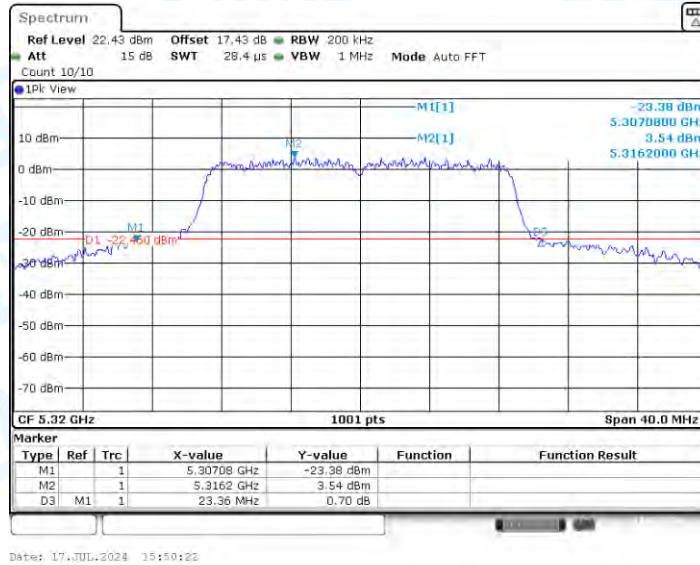
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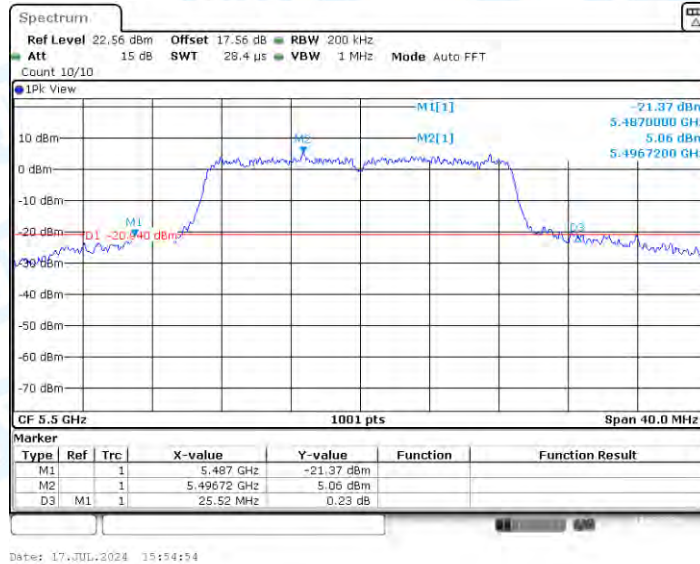
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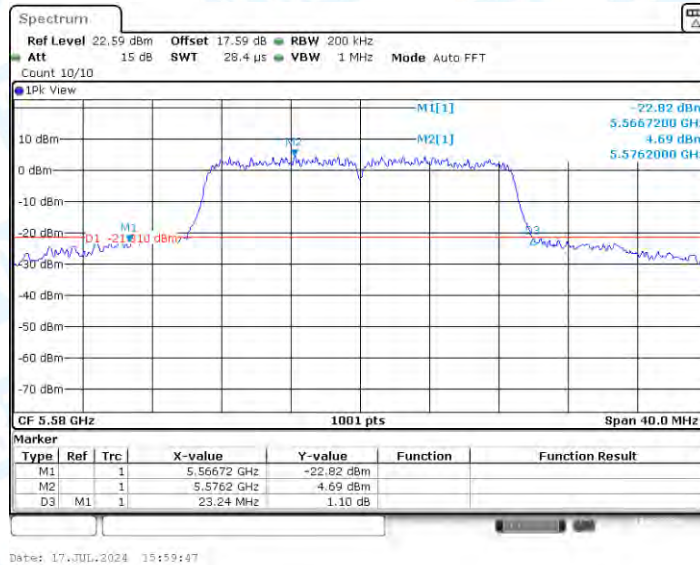
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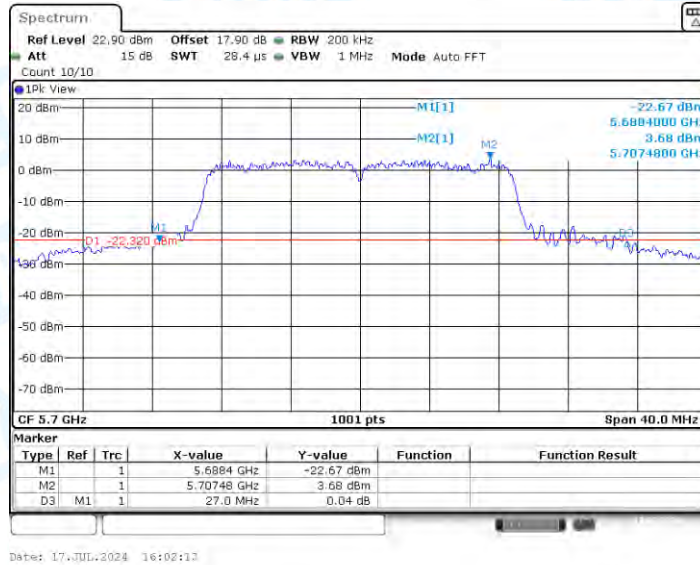
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11N20SISO_Ant1_5580



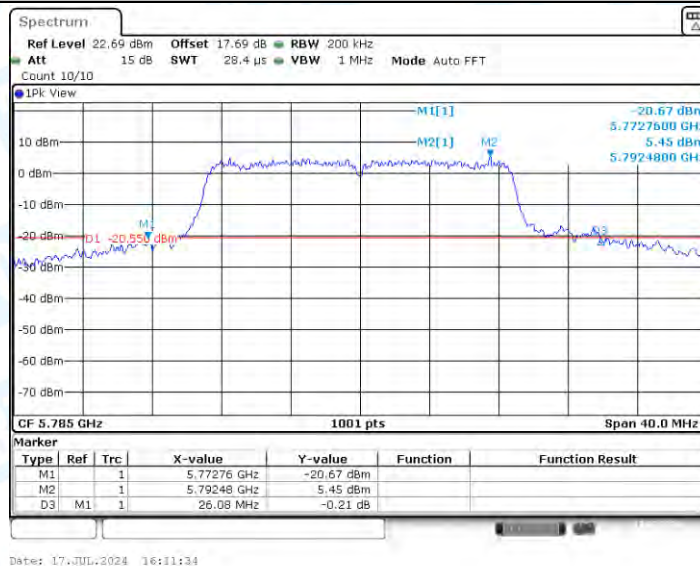
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11N20SISO_Ant1_5745



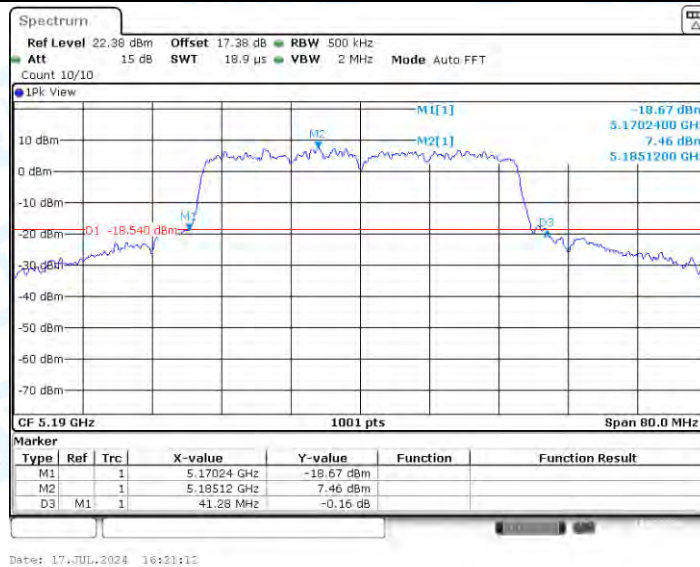
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11N20SISO_Ant1_5825



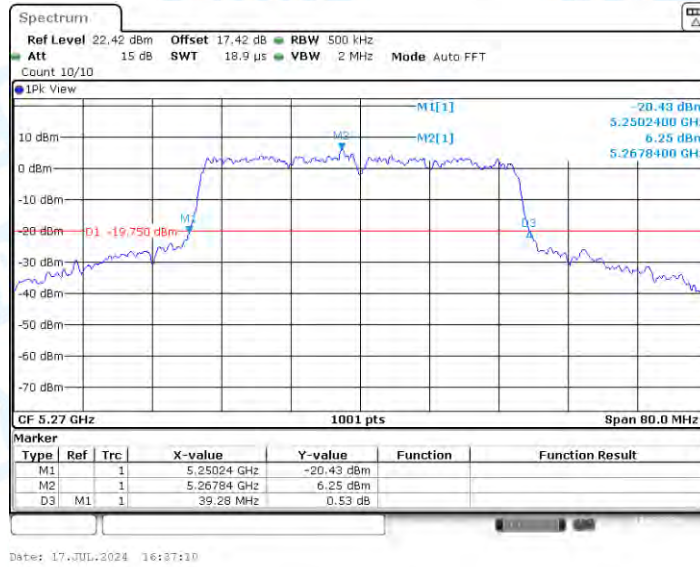
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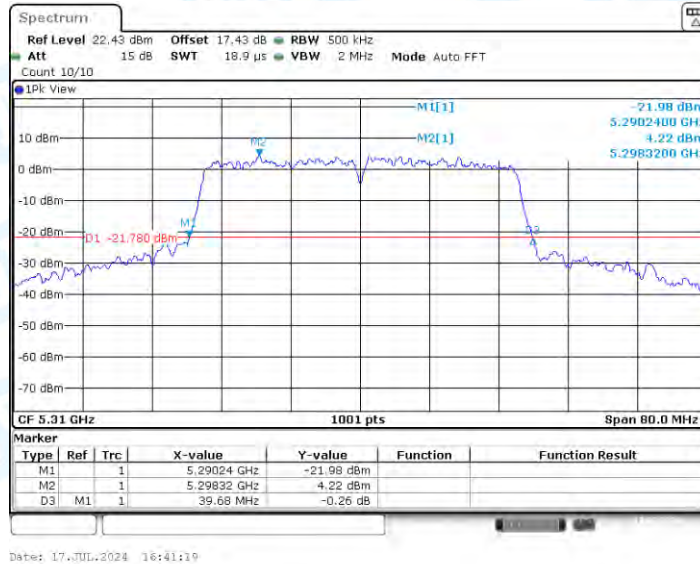
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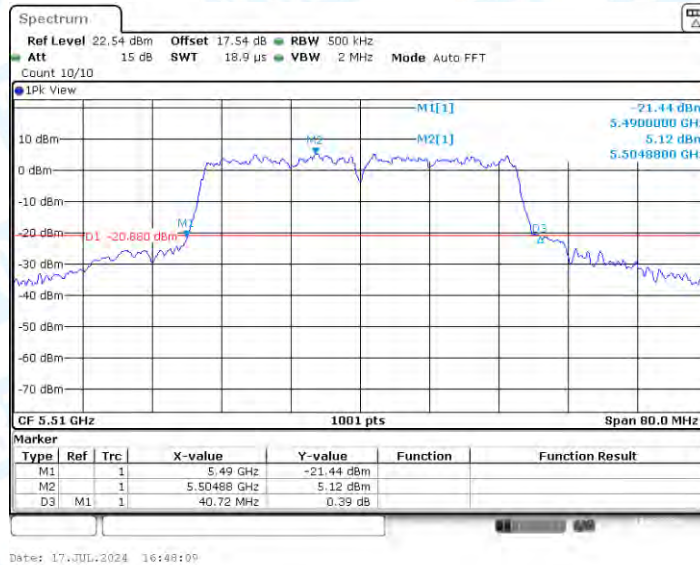
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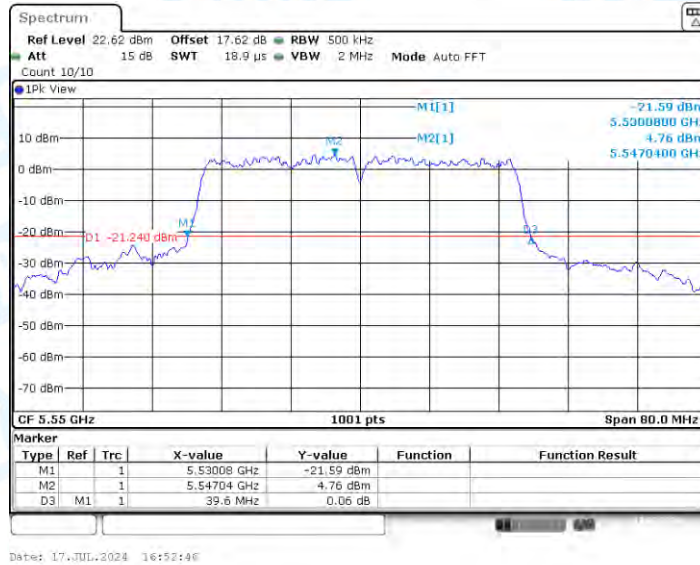
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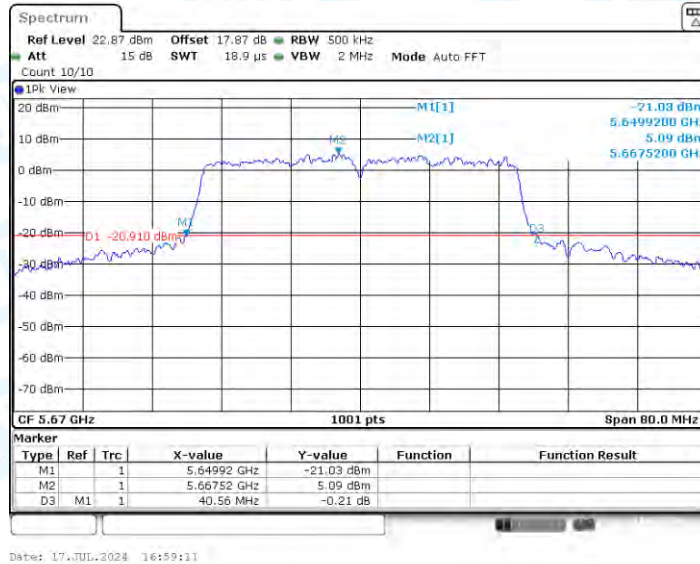
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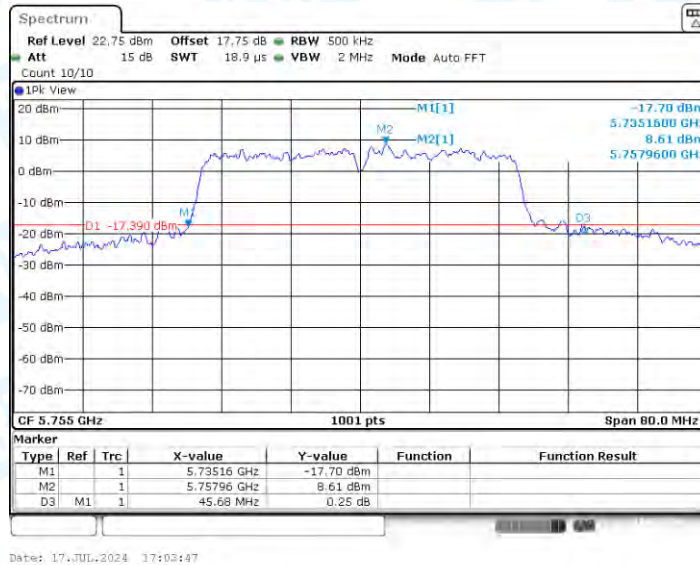
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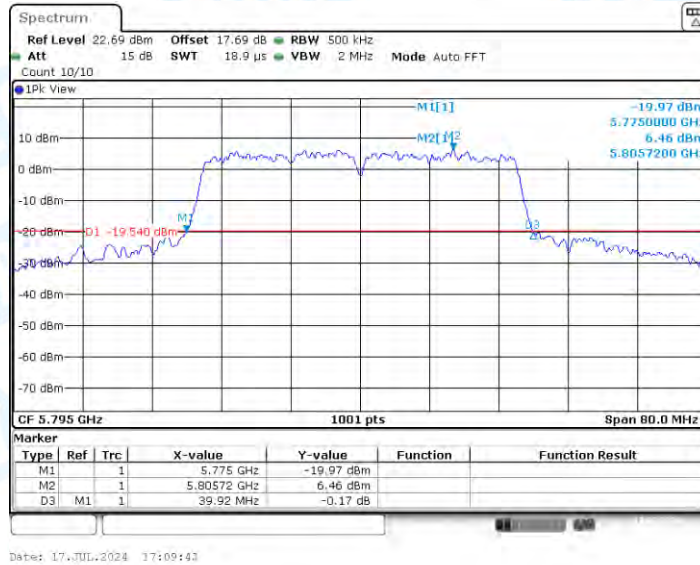
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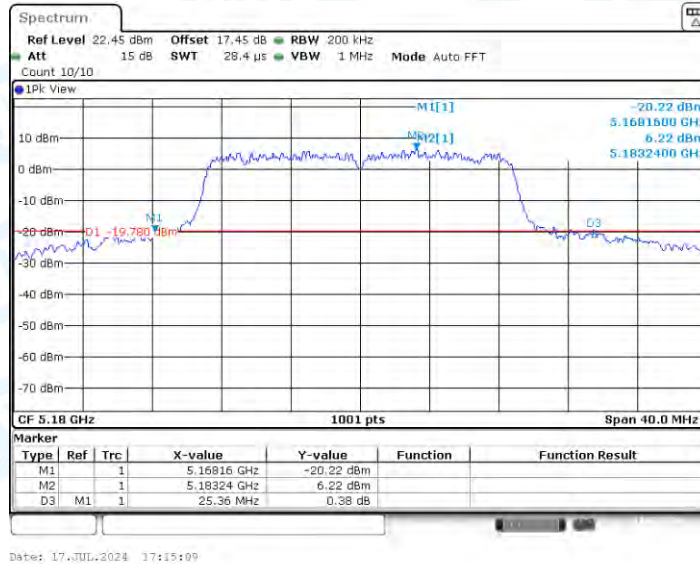
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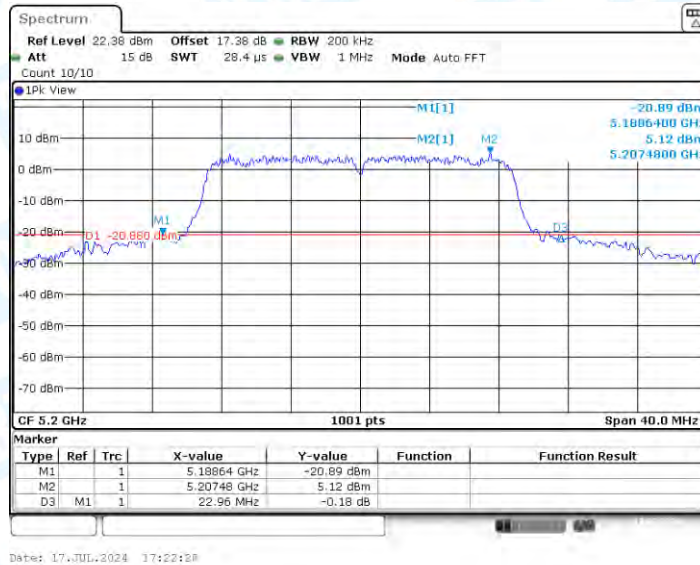
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11AC20SISO_Ant1_5180



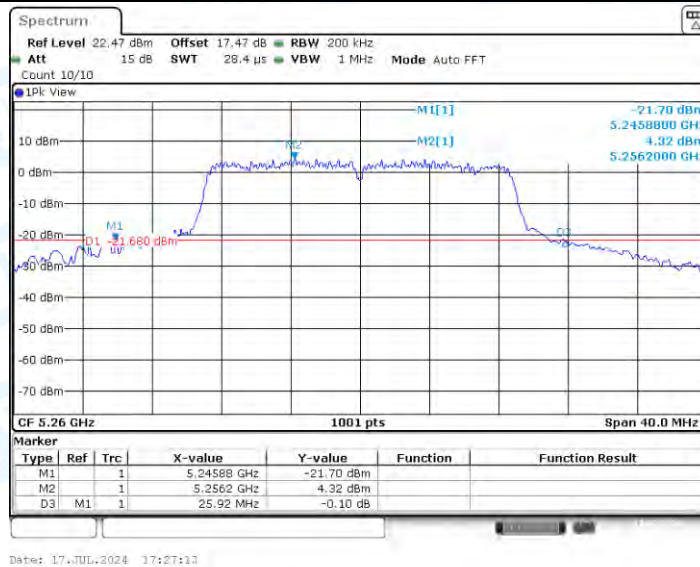
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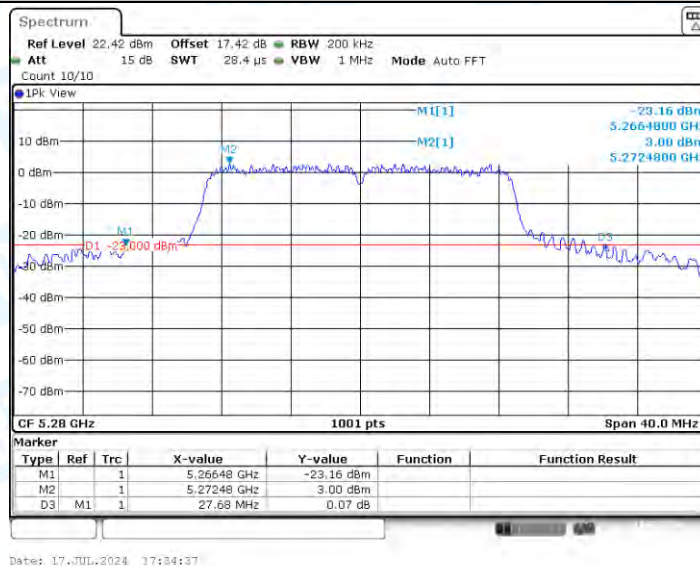
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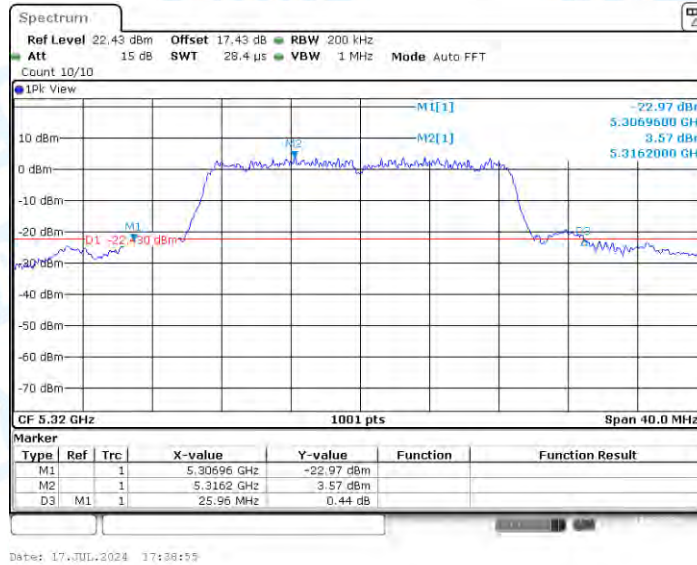
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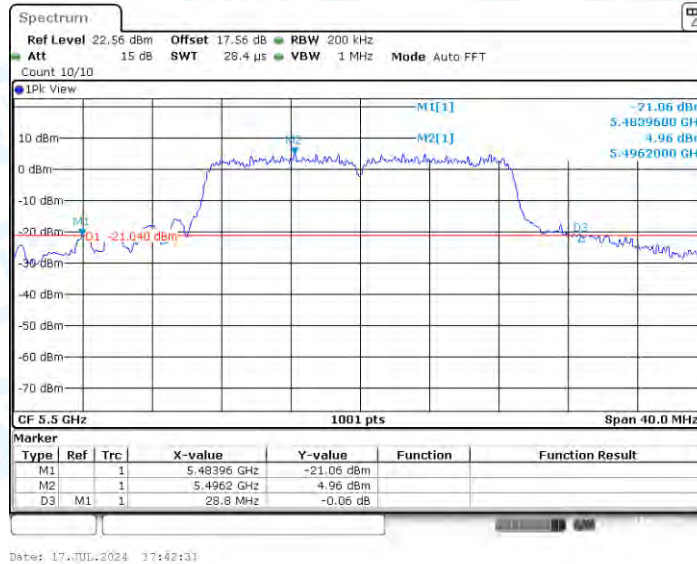
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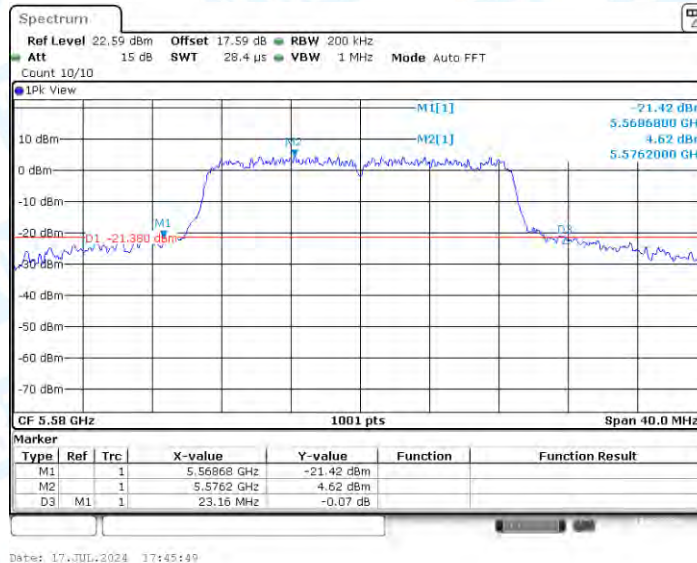
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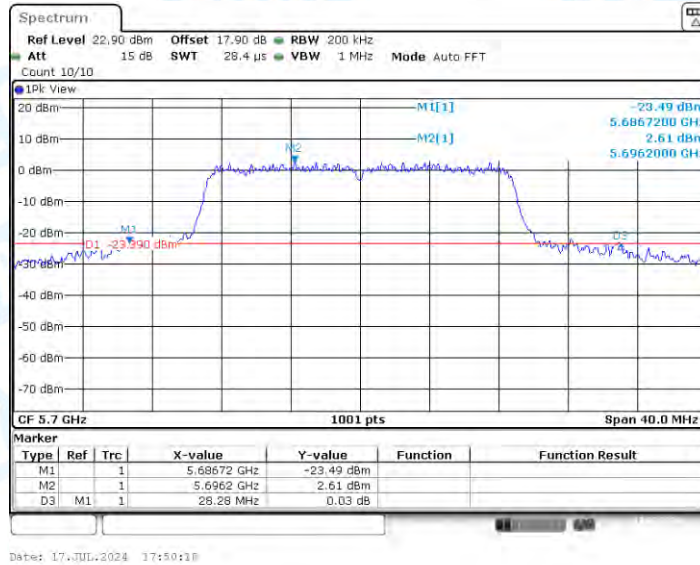
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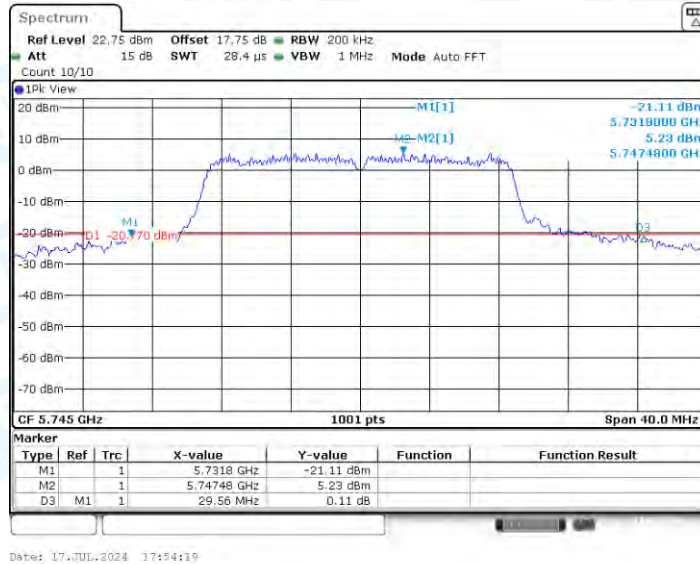
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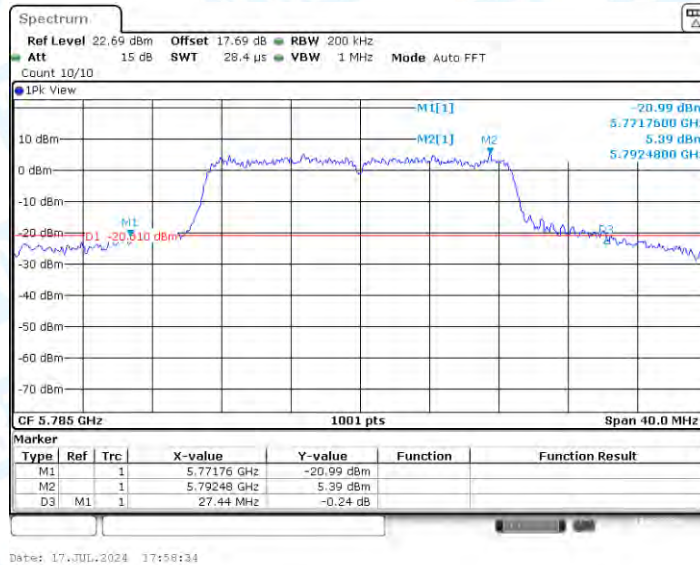
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11AC20SISO_Ant1_5745



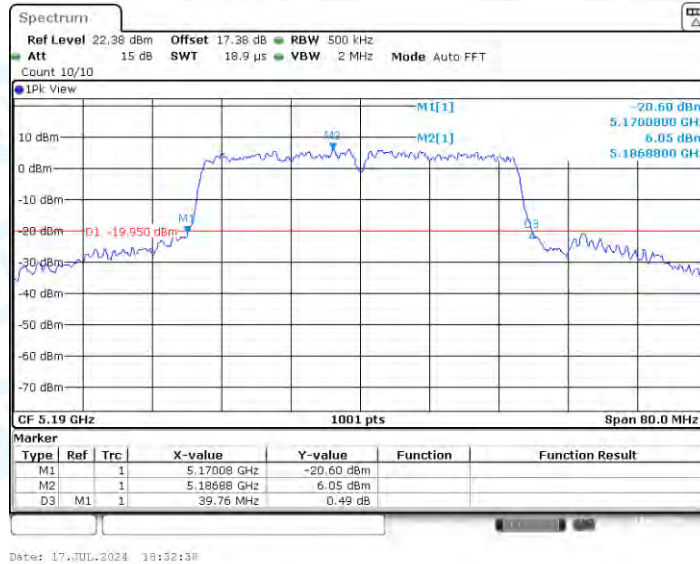
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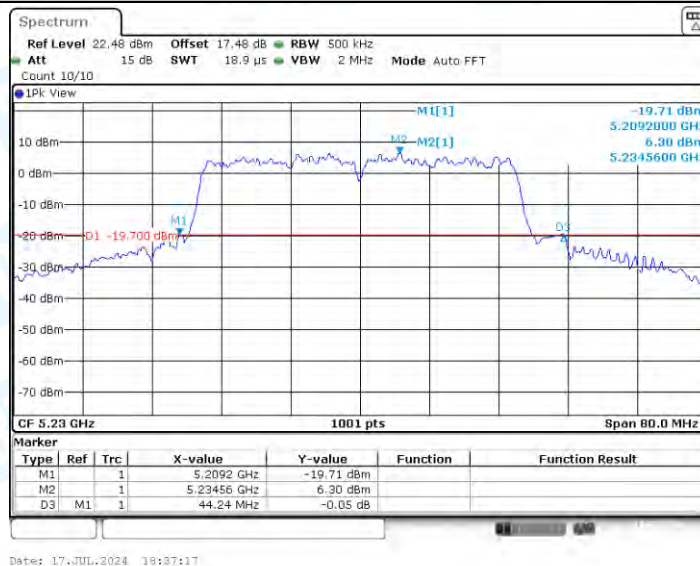
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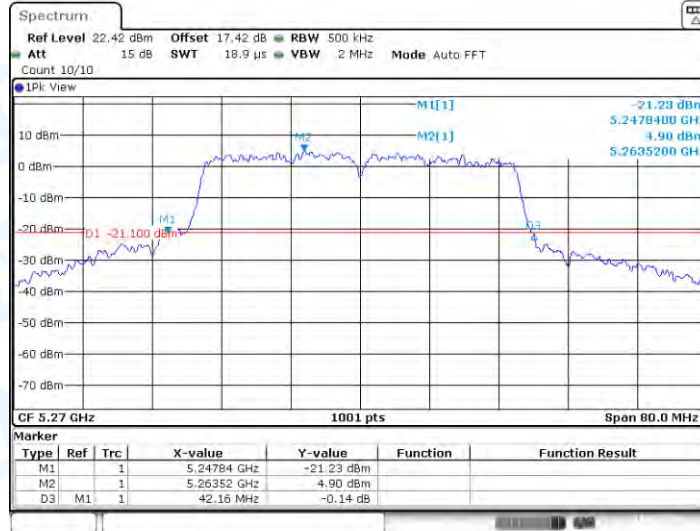
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11AC40SISO_Ant1_5230

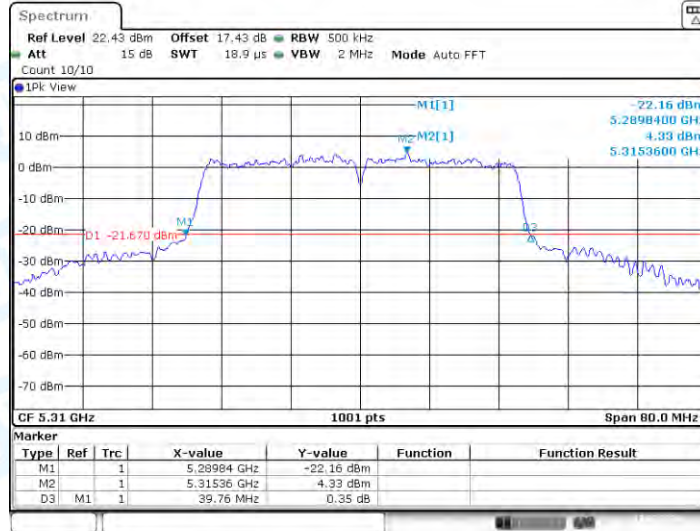


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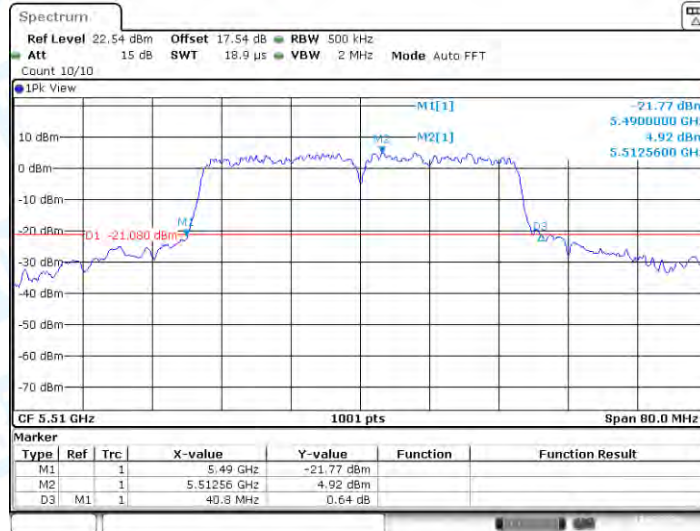
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11AC40SISO_Ant1_5310



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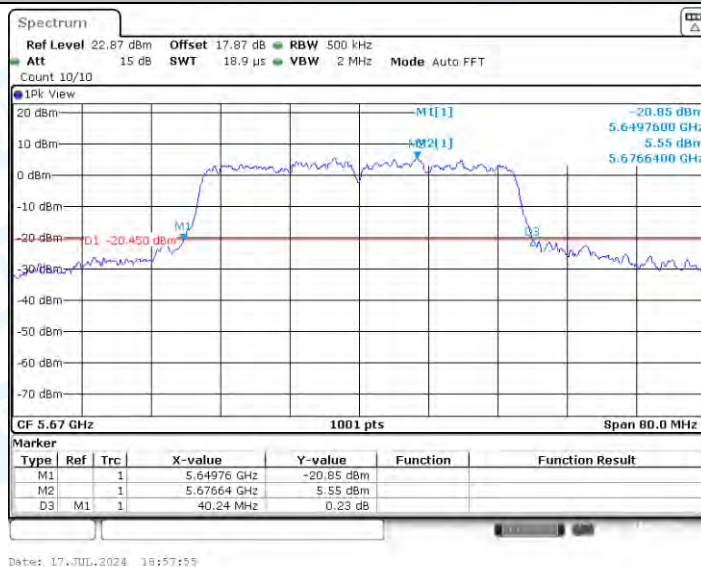


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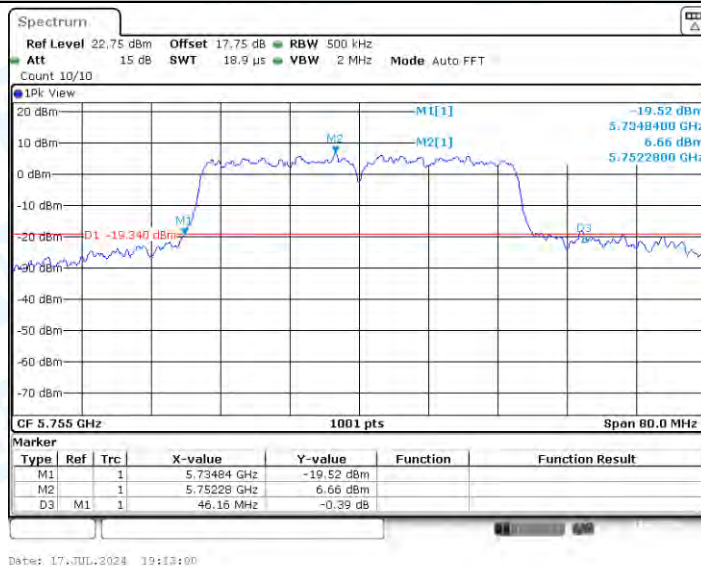
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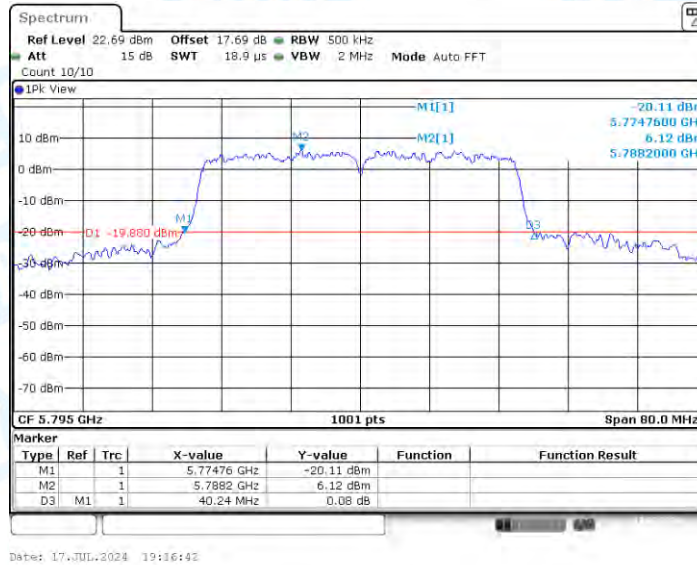
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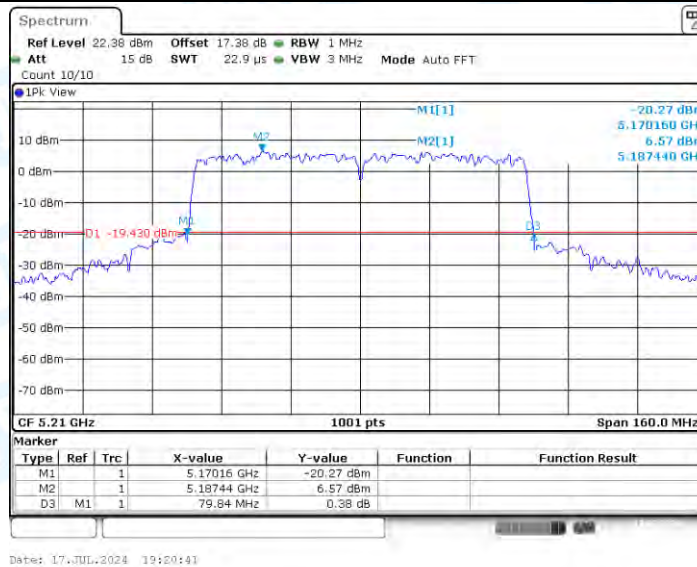
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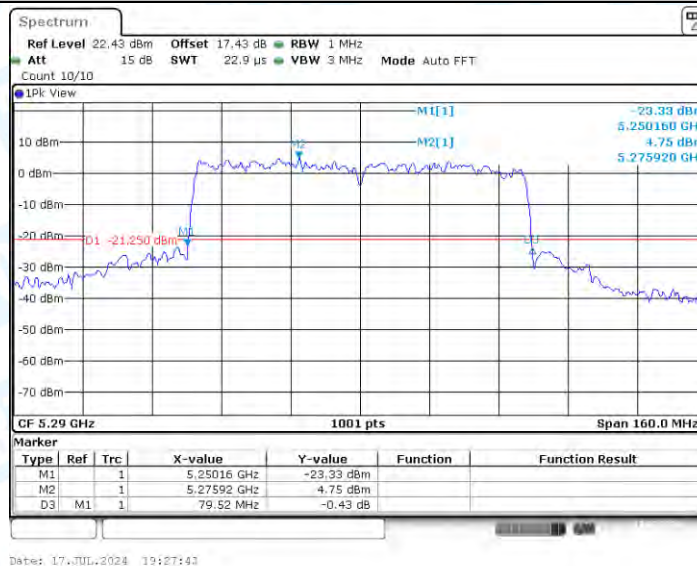
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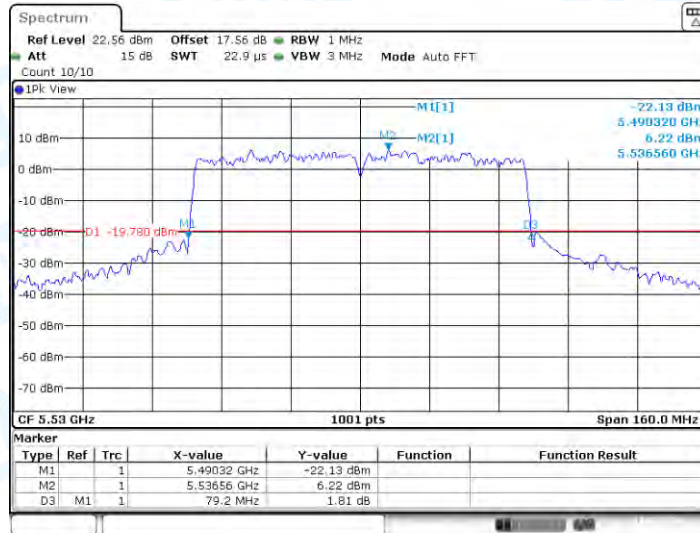
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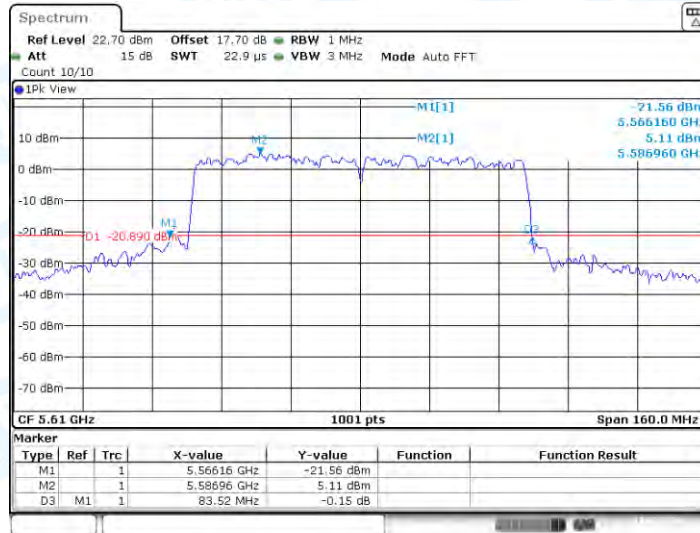


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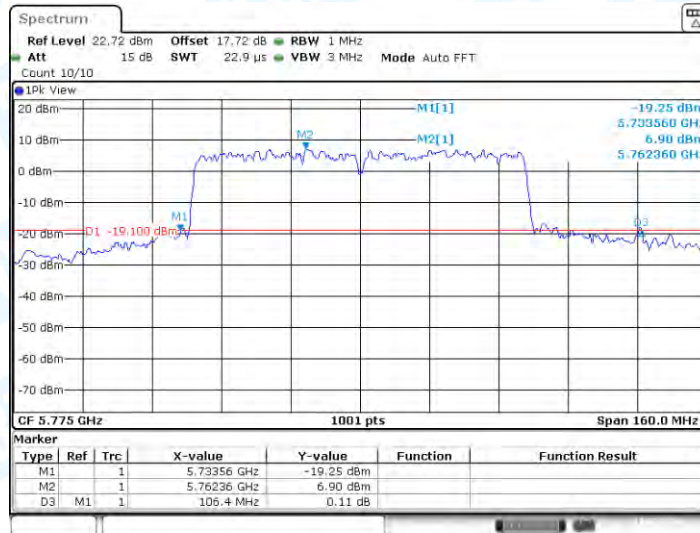
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11AC80SISO_Ant1_5610



Date: 17.JUL.2024 19:39:00

11AC80SISO_Ant1_5775



Date: 17.JUL.2024 19:44:35

2. Occupied channel bandwidth

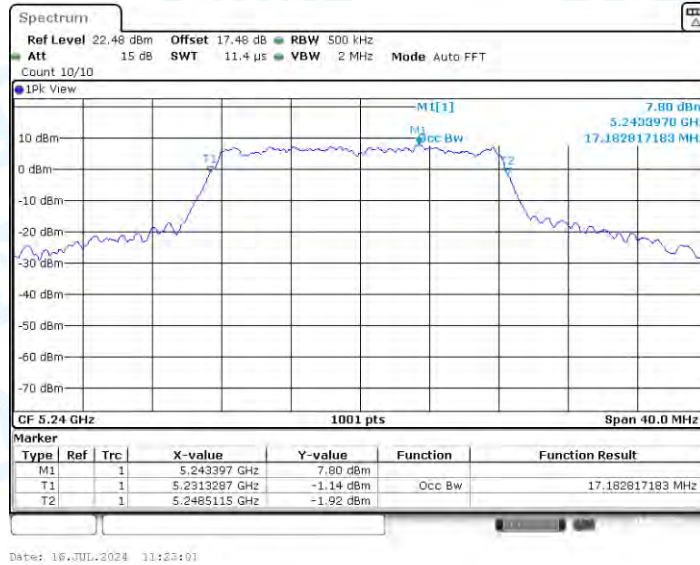
2.1. Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.183	5171.4086	5188.5914	---	---
		5200	17.143	5191.4486	5208.5914	---	---
		5240	17.183	5231.3287	5248.5115	---	---
		5260	17.223	5251.2887	5268.5115	---	---
		5280	17.423	5271.1688	5288.5914	---	---
		5320	17.183	5311.2887	5328.4715	---	---
		5500	17.223	5491.4885	5508.7113	---	---
		5580	17.463	5571.1688	5588.6314	---	---
		5700	17.582	5691.2088	5708.7912	---	---
		5745	17.662	5736.2887	5753.9510	---	---
		5785	17.343	5776.4486	5793.7912	---	---
		5825	17.223	5816.3686	5833.5914	---	---
11N20SISO	Ant1	5180	18.142	5170.8891	5189.0310	---	---
		5200	17.982	5190.9291	5208.9111	---	---
		5240	18.022	5231.0090	5249.0310	---	---
		5260	18.022	5250.9690	5268.9910	---	---
		5280	18.062	5270.8492	5288.9111	---	---
		5320	17.942	5310.8891	5328.8312	---	---
		5500	18.102	5491.0090	5509.1109	---	---
		5580	18.182	5570.8891	5589.0709	---	---
		5700	18.222	5690.9291	5709.1508	---	---
		5745	18.142	5735.9291	5754.0709	---	---
		5785	18.062	5776.0090	5794.0709	---	---
		5825	18.102	5815.8891	5833.9910	---	---
11N40SISO	Ant1	5190	36.683	5171.6983	5208.3816	---	---
		5230	36.364	5211.7782	5248.1419	---	---
		5270	36.284	5251.6184	5287.9021	---	---
		5310	36.284	5291.7782	5328.0619	---	---
		5510	36.364	5491.8581	5528.2218	---	---
		5550	36.364	5531.6983	5568.0619	---	---
		5670	36.523	5651.7782	5688.3017	---	---
		5755	36.843	5736.6184	5773.4615	---	---
		5795	36.284	5776.8581	5813.1419	---	---
11AC20SISO	Ant1	5180	18.222	5171.0490	5189.2707	---	---
		5200	18.022	5190.9690	5208.9910	---	---
		5240	18.022	5230.9690	5248.9910	---	---
		5260	17.822	5251.0490	5268.8711	---	---
		5280	18.022	5270.9291	5288.9510	---	---
		5320	17.902	5311.0090	5328.9111	---	---
		5500	17.902	5491.0490	5508.9510	---	---

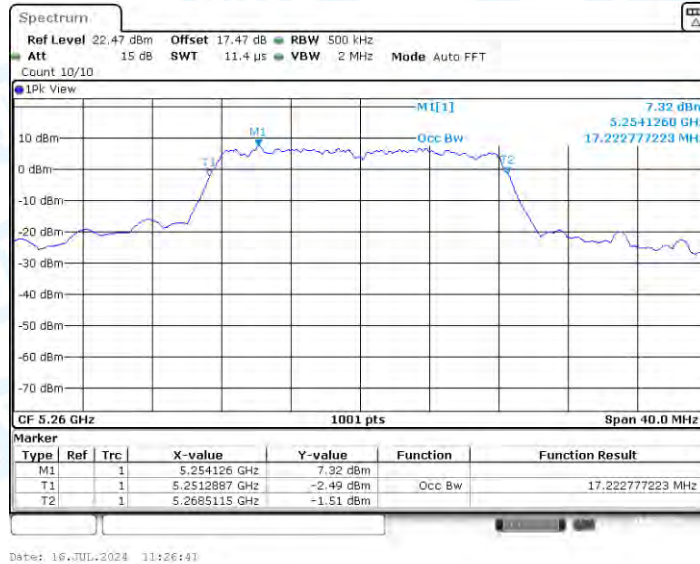
		5580	18.022	5571.0090	5589.0310	---	---
		5700	17.902	5691.0490	5708.9510	---	---
		5745	18.581	5735.9291	5754.5105	---	---
		5785	18.342	5775.8891	5794.2308	---	---
		5825	17.902	5816.0090	5833.9111	---	---
11AC40SISO	Ant1	5190	36.364	5171.7782	5208.1419	---	---
		5230	36.204	5211.8581	5248.0619	---	---
		5270	36.444	5251.6184	5288.0619	---	---
		5310	36.284	5291.7782	5328.0619	---	---
		5510	36.364	5491.7782	5528.1419	---	---
		5550	36.284	5531.8581	5568.1419	---	---
		5670	36.444	5651.7782	5688.2218	---	---
		5755	36.444	5736.8581	5773.3017	---	---
11AC80SISO	Ant1	5795	36.364	5776.8581	5813.2218	---	---
		5210	76.244	5171.9580	5248.2018	---	---
		5290	76.244	5251.7982	5328.0420	---	---
		5530	76.244	5491.9580	5568.2018	---	---
		5610	75.924	5571.7982	5647.7223	---	---
		5775	76.404	5736.9580	5813.3616	---	---

2.2. Test Graphs

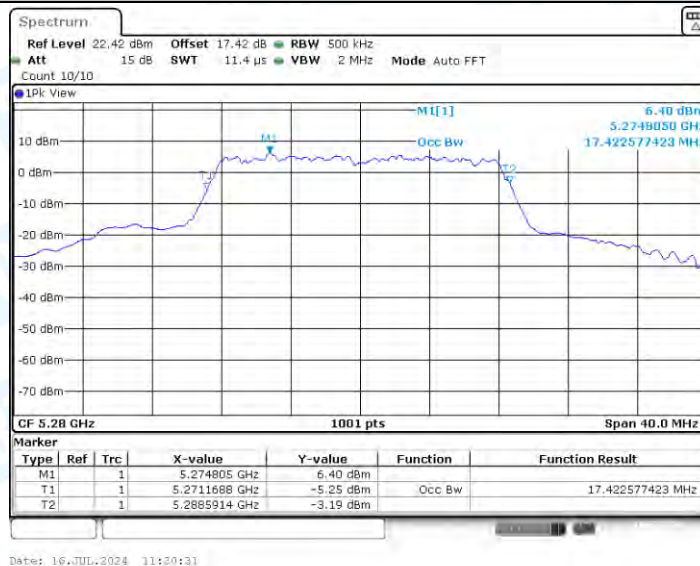




11A_Ant1_5260



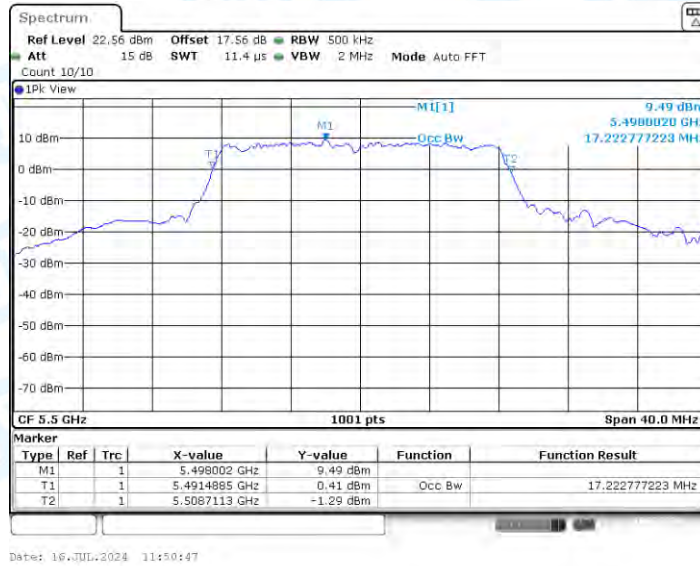
11A_Ant1_5280



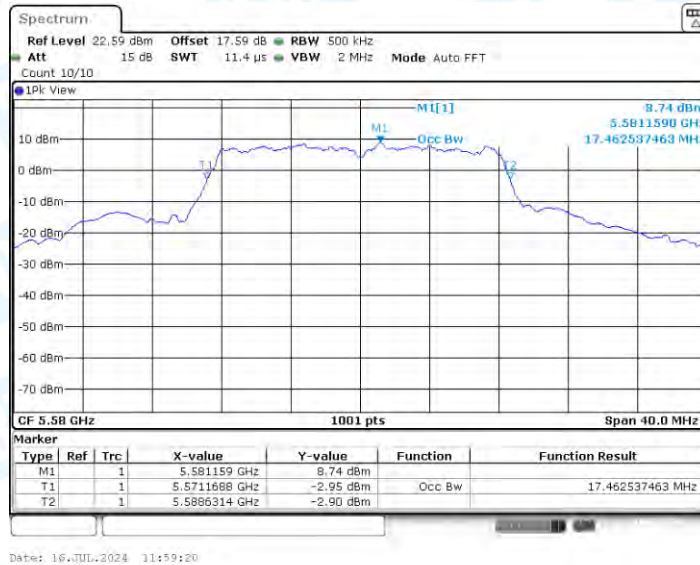
11A_Ant1_5320



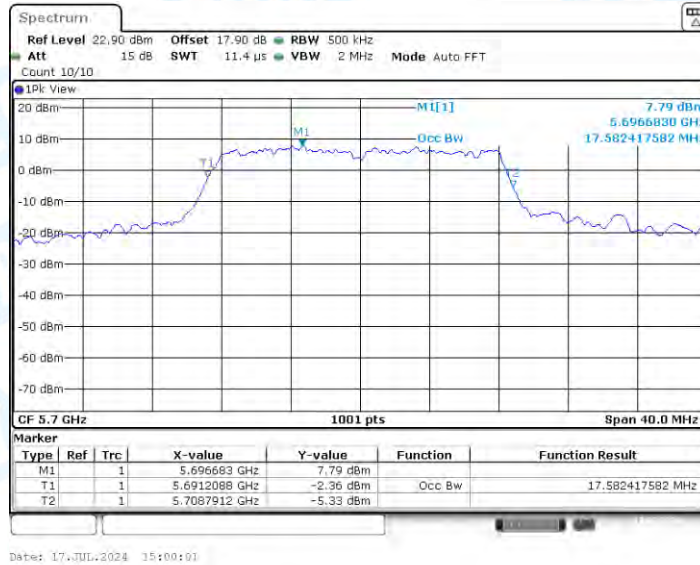
11A_Ant1_5500



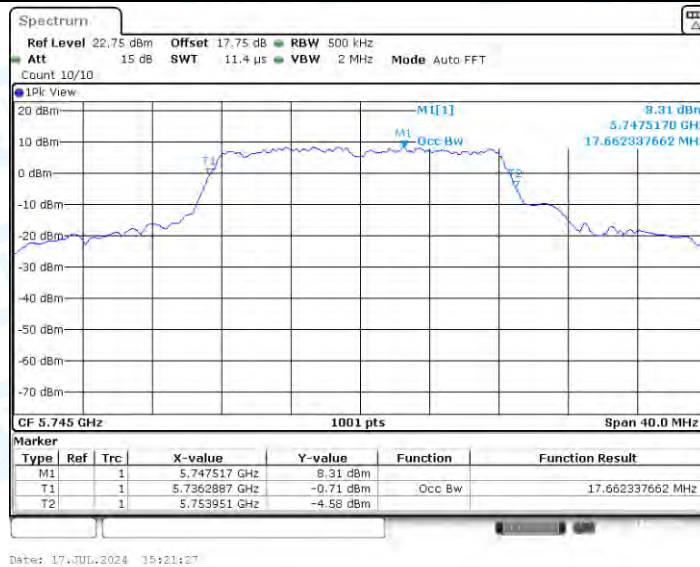
11A_Ant1_5580



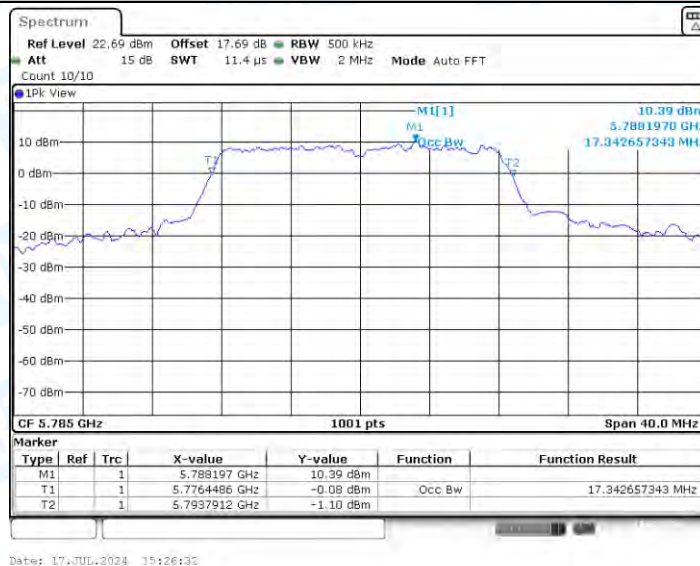
11A_Ant1_5700



11A_Ant1_5745



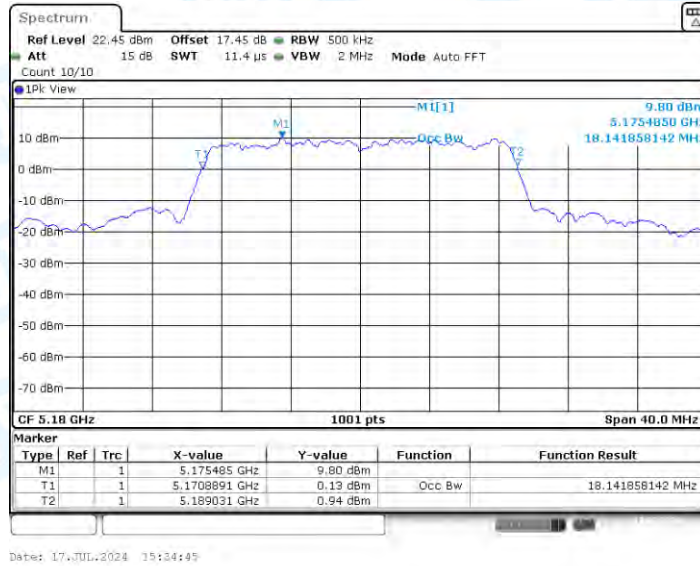
11A_Ant1_5785



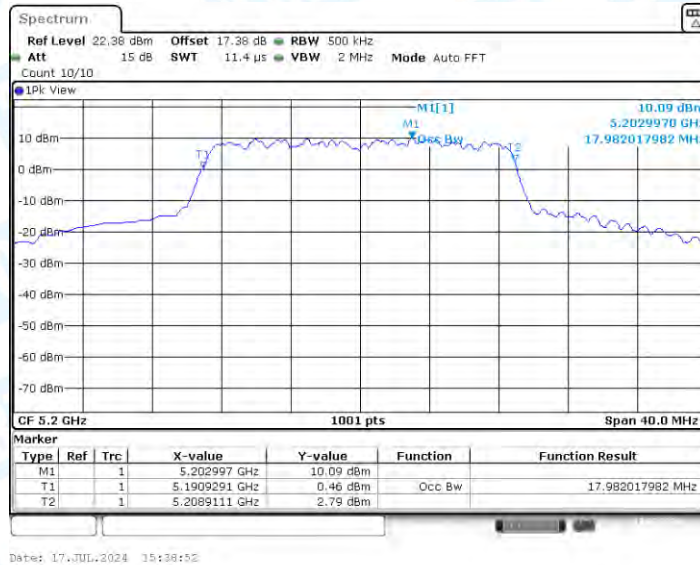
11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



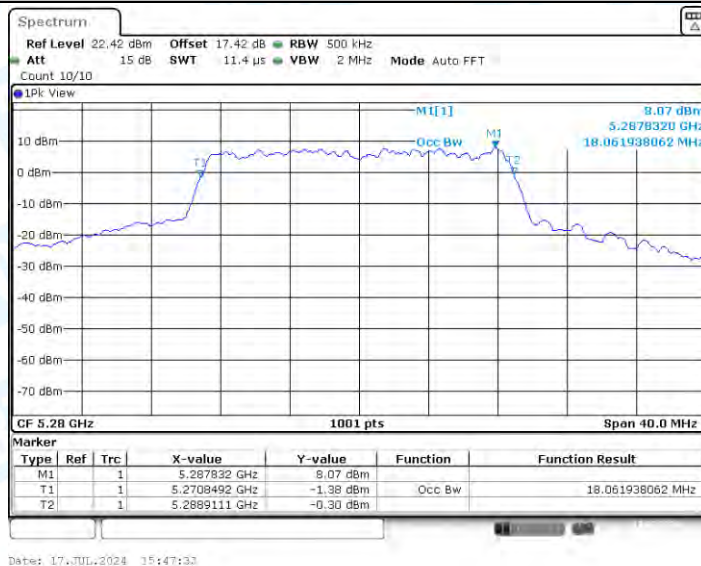
11N20SISO_Ant1_5240



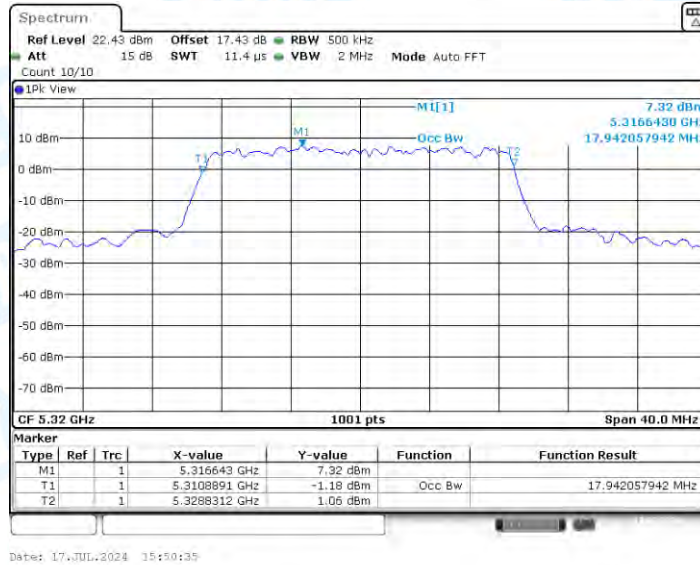
11N20SISO_Ant1_5260



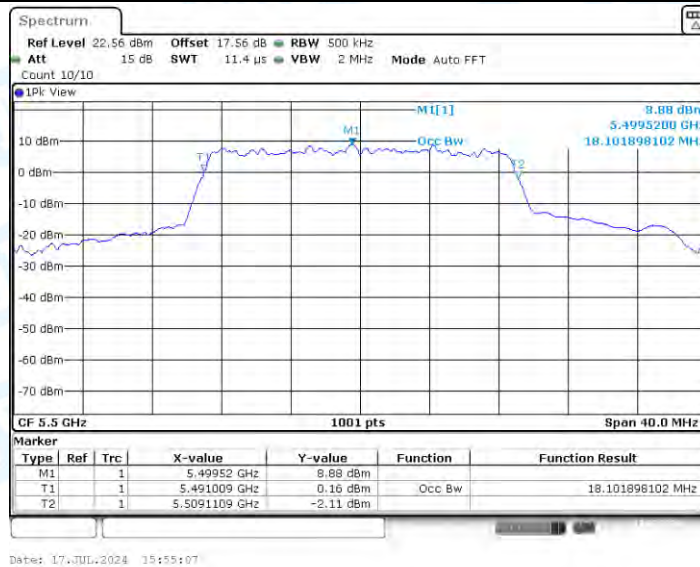
11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



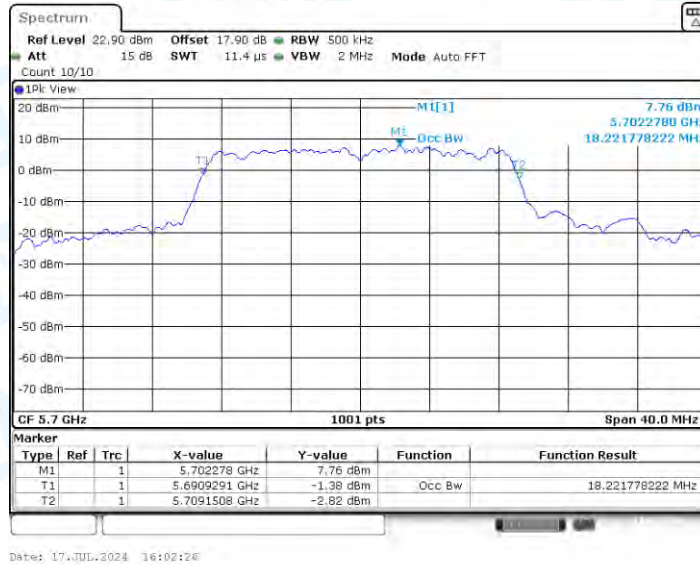
11N20SISO_Ant1_5500



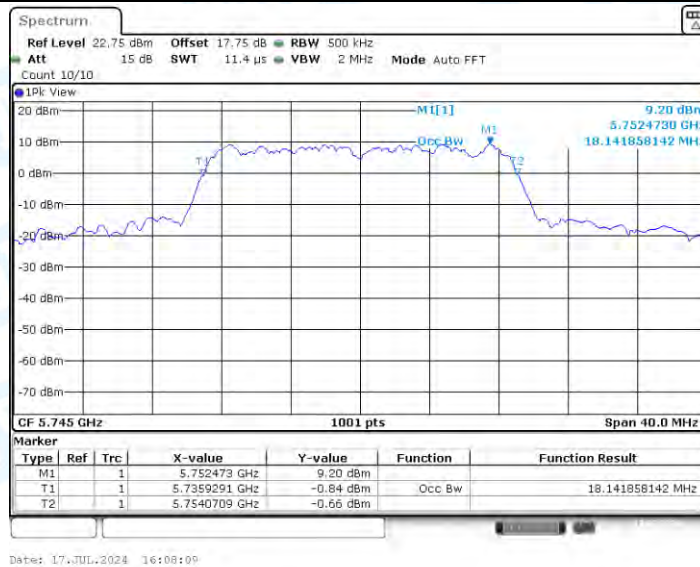
11N20SISO_Ant1_5580



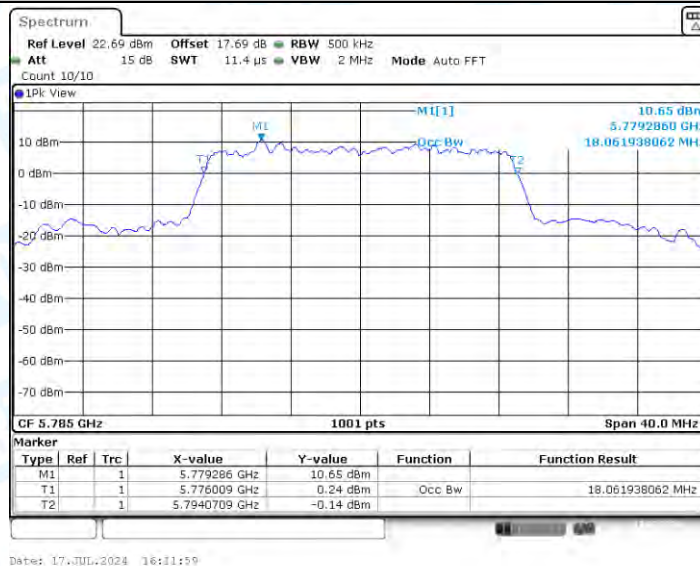
11N20SISO_Ant1_5700



11N20SISO_Ant1_5745



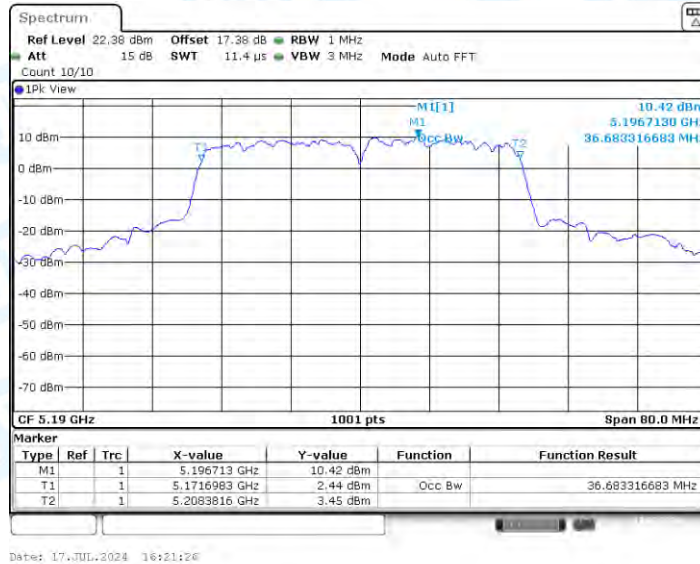
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



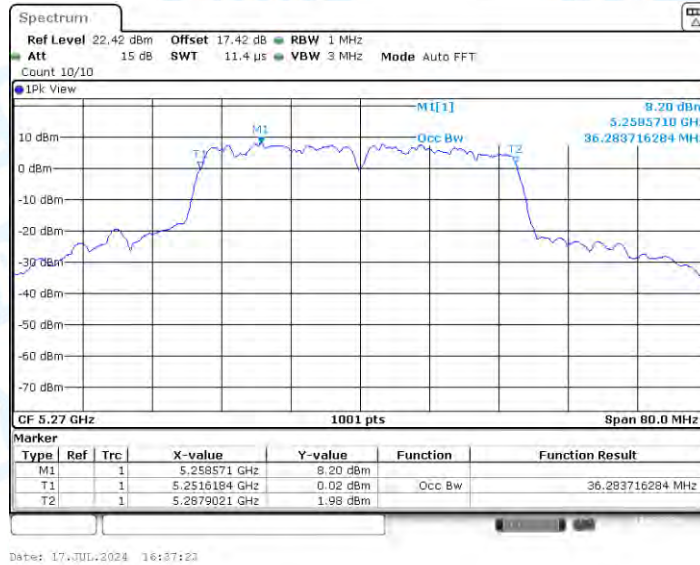
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5270



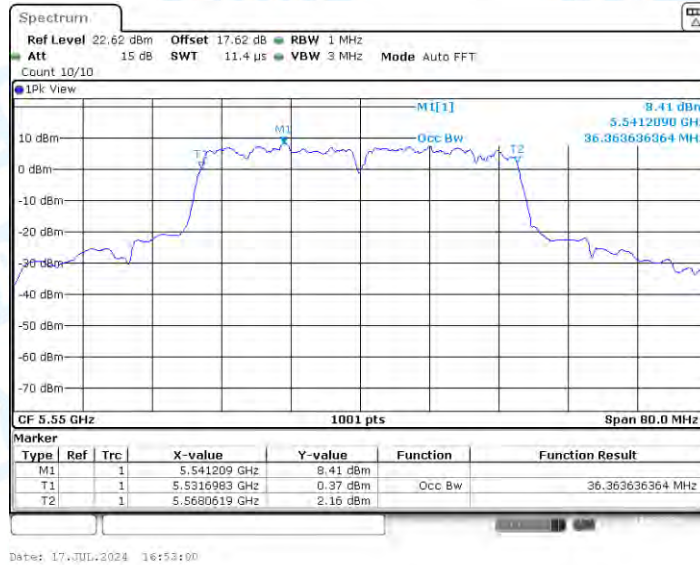
11N40SISO_Ant1_5310



11N40SISO_Ant1_5510



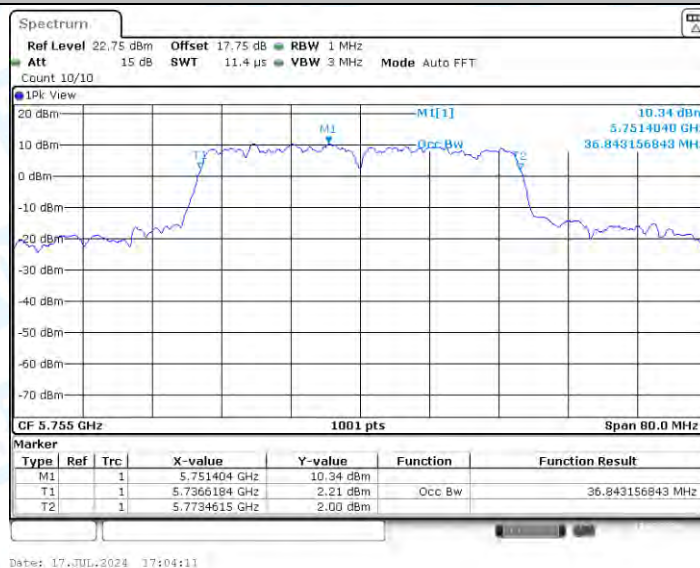
11N40SISO_Ant1_5550



11N40SISO_Ant1_5670



11N40SISO_Ant1_5755



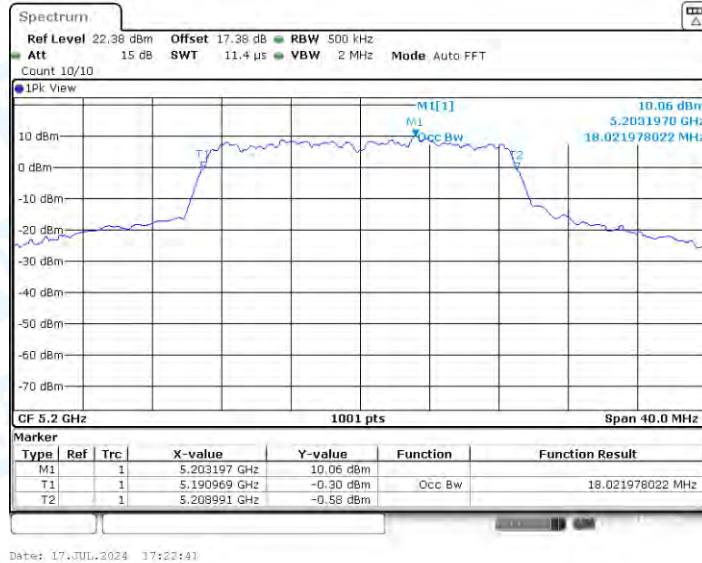
11N40SISO_Ant1_5795



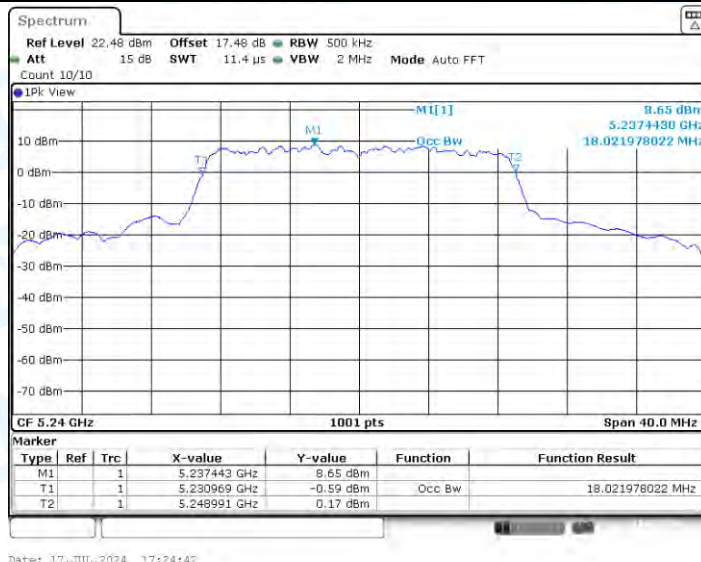
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



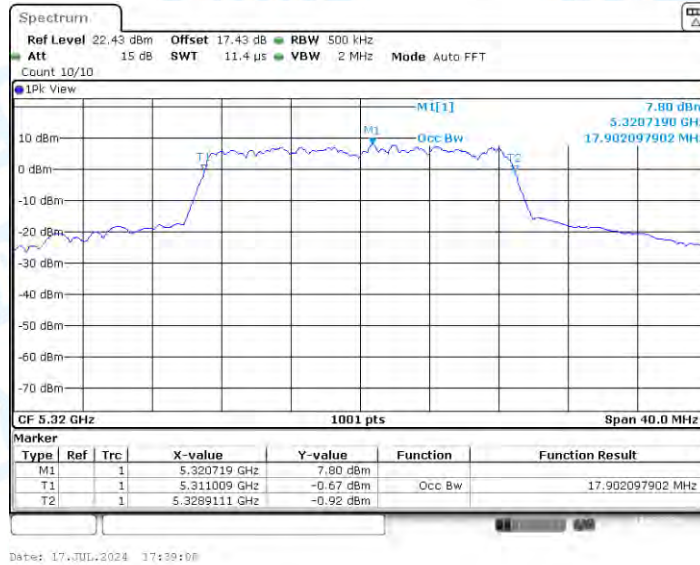
11AC20SISO_Ant1_5260



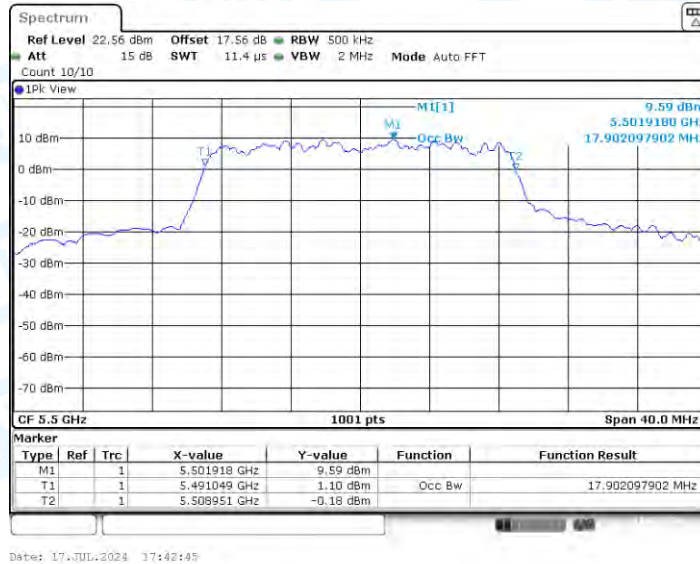
11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



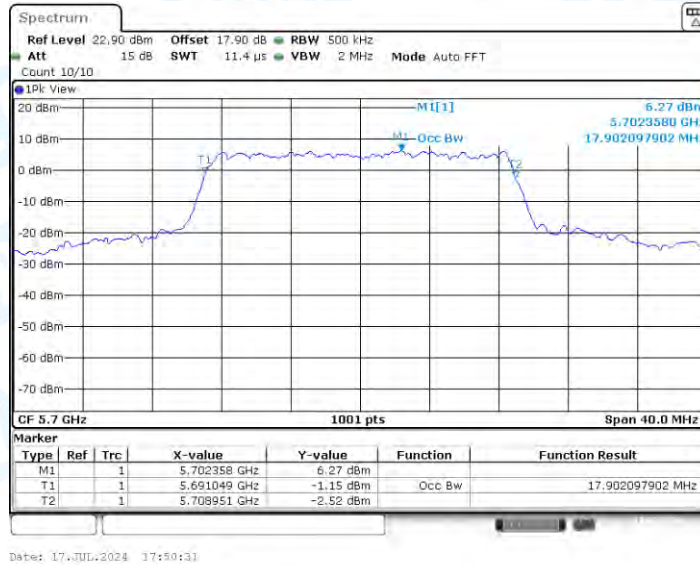
11AC20SISO_Ant1_5500



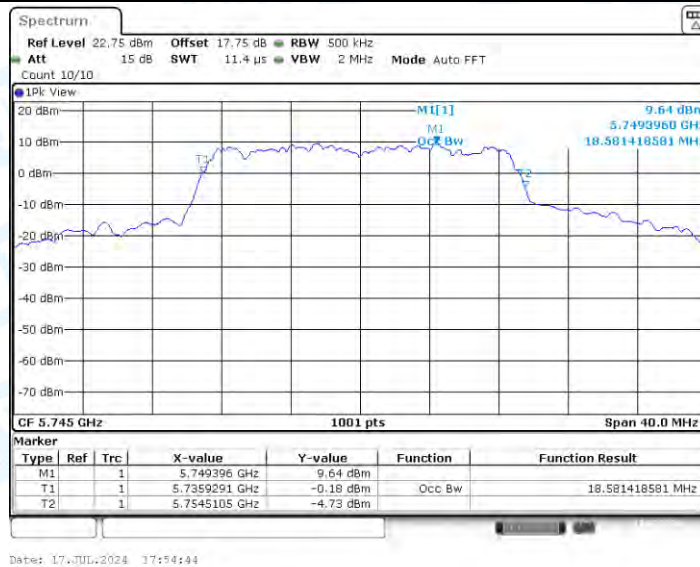
11AC20SISO_Ant1_5580



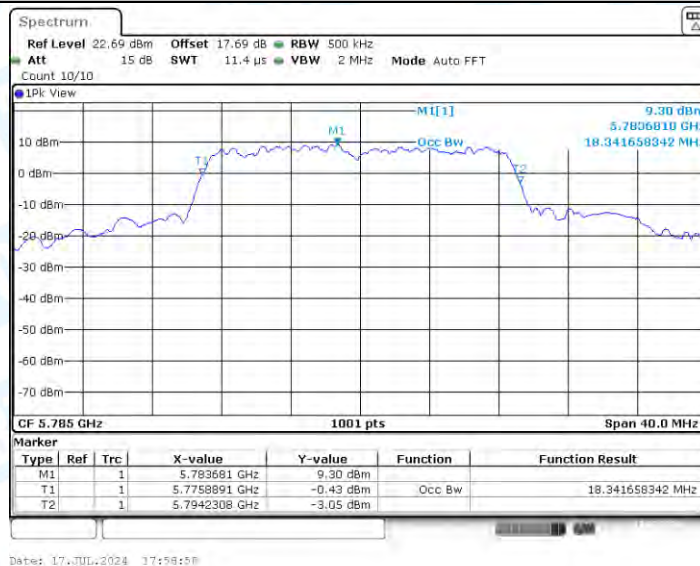
11AC20SISO_Ant1_5700



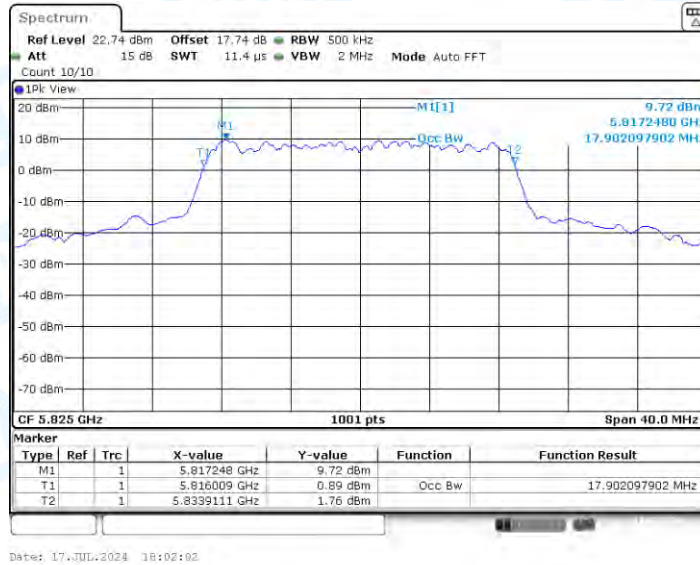
11AC20SISO_Ant1_5745



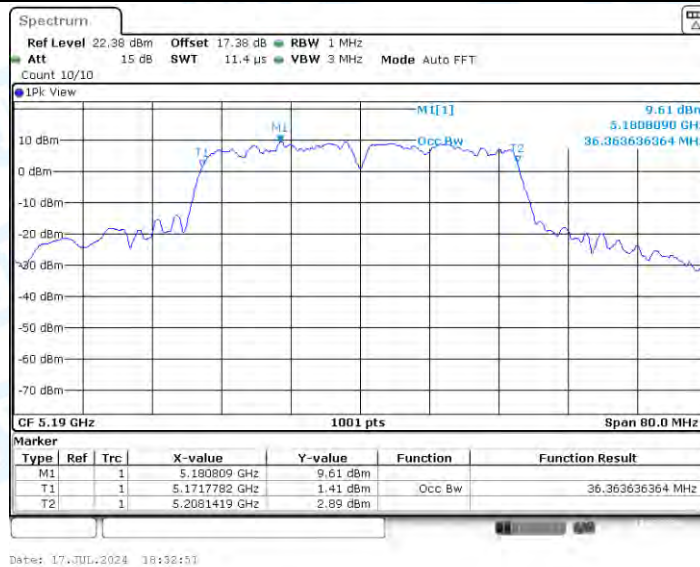
11AC20SISO_Ant1_5785



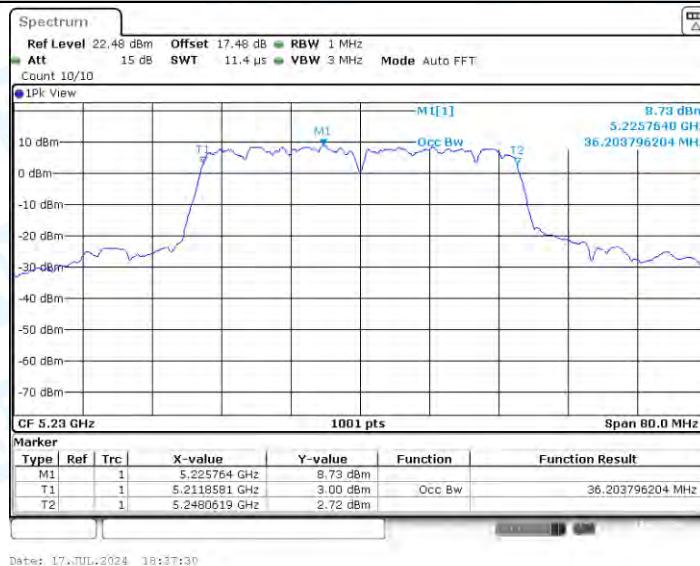
11AC20SISO_Ant1_5825



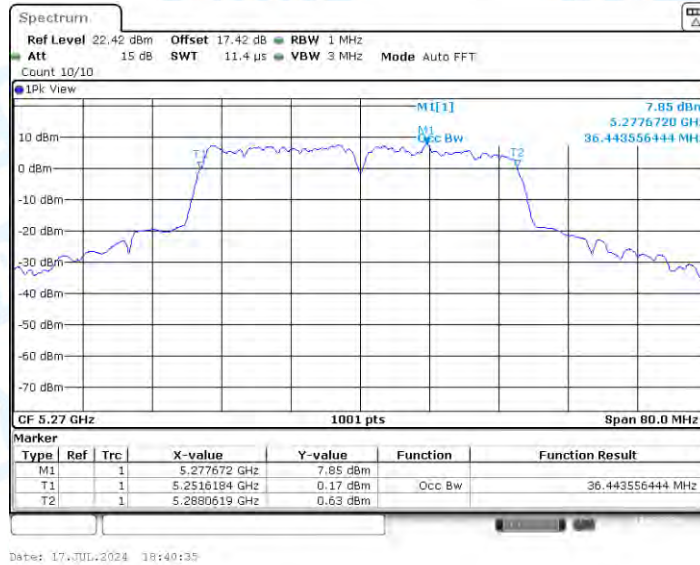
11AC40SISO_Ant1_5190



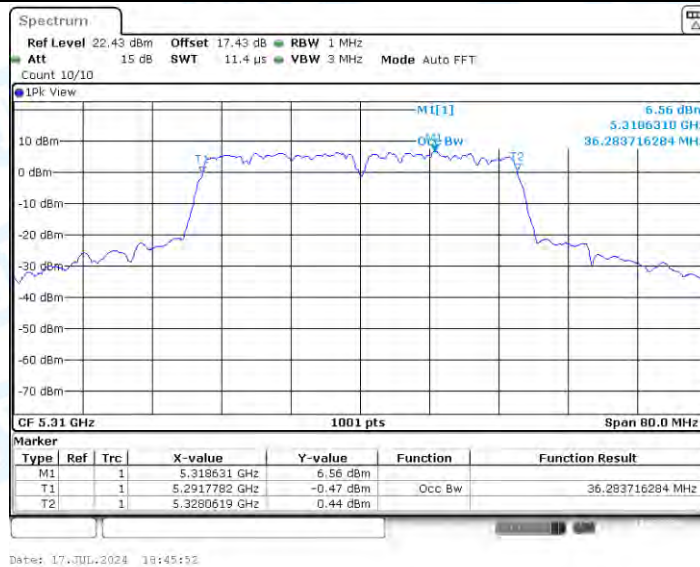
11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5270



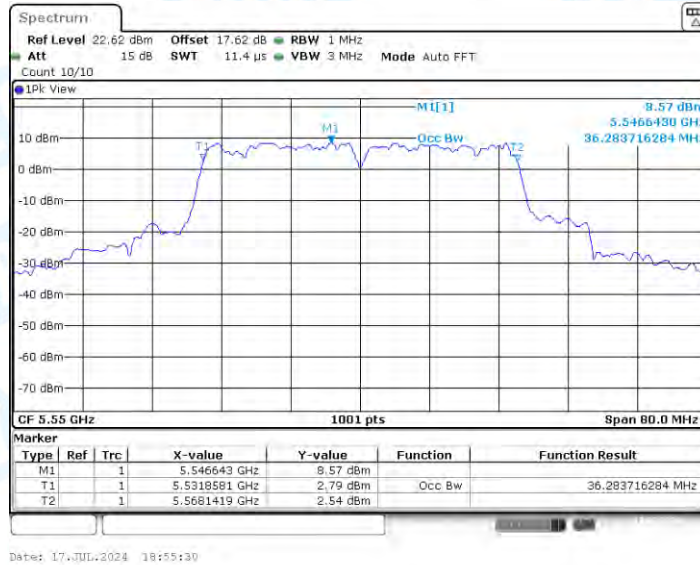
11AC40SISO_Ant1_5310



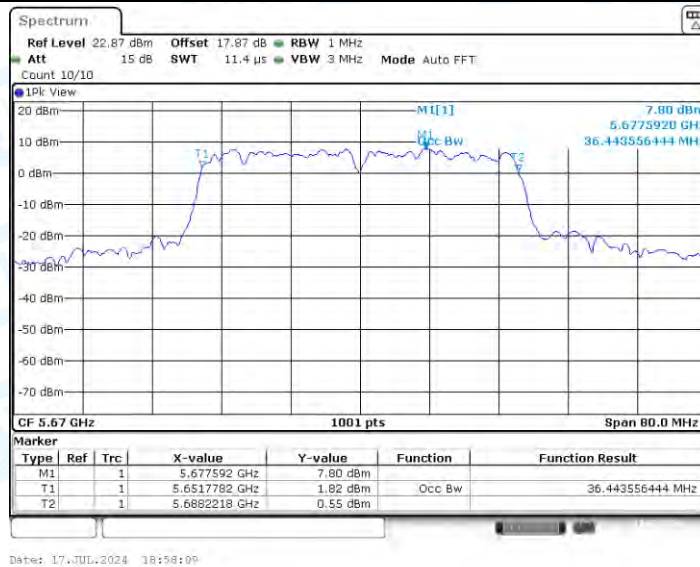
11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5550



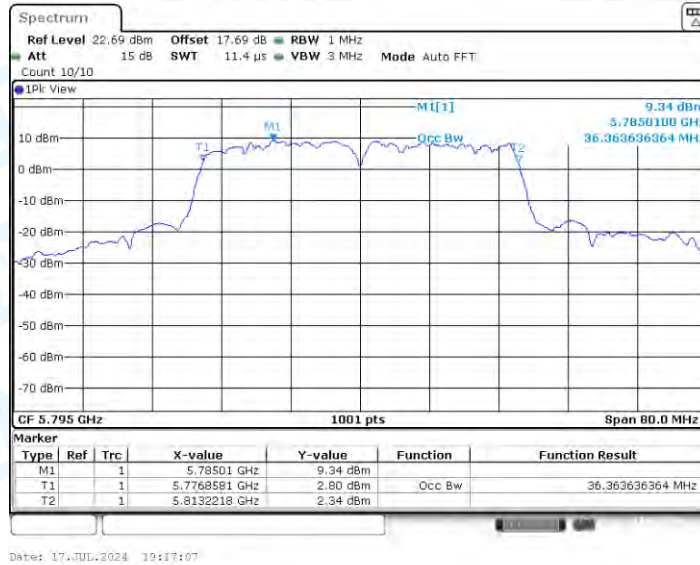
11AC40SISO_Ant1_5670



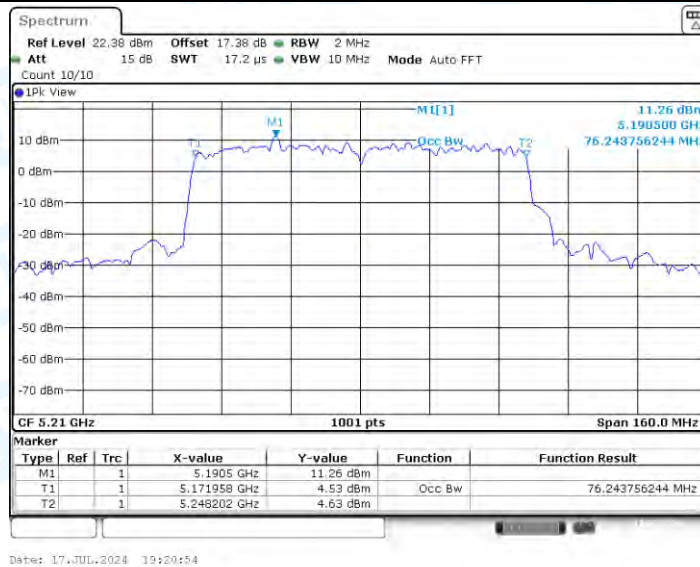
11AC40SISO_Ant1_5755



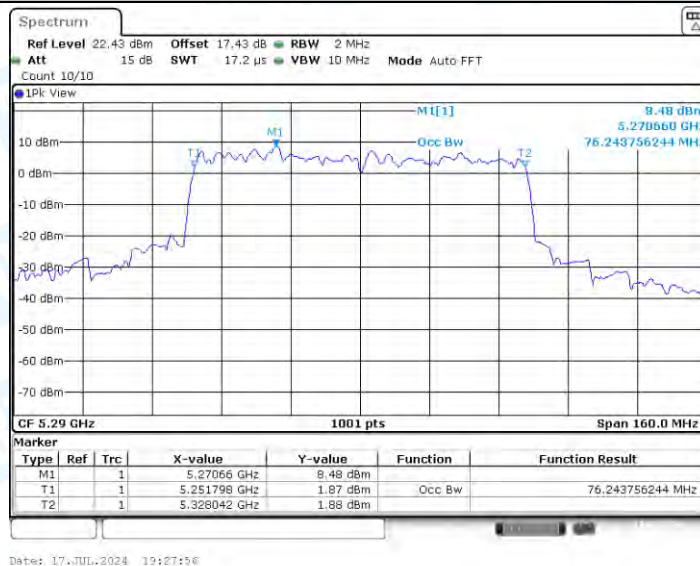
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



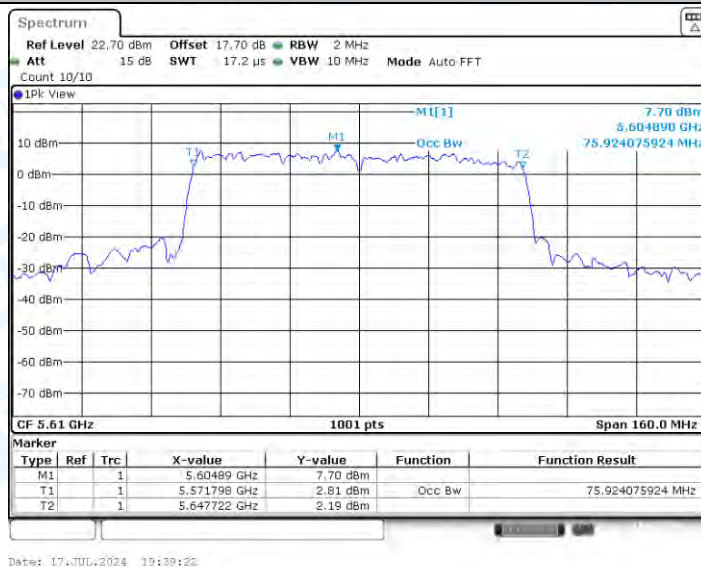
11AC80SISO_Ant1_5290



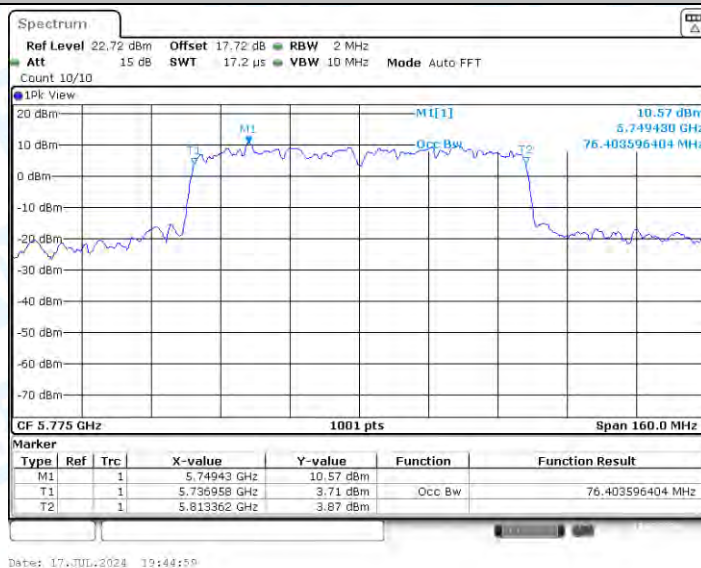
11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



11AC80SISO_Ant1_5775



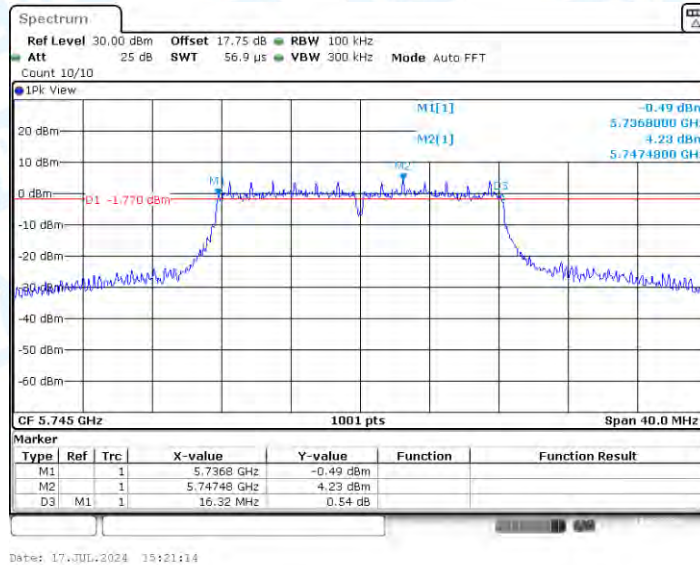
3. Min emission bandwidth

3.1. Test Result

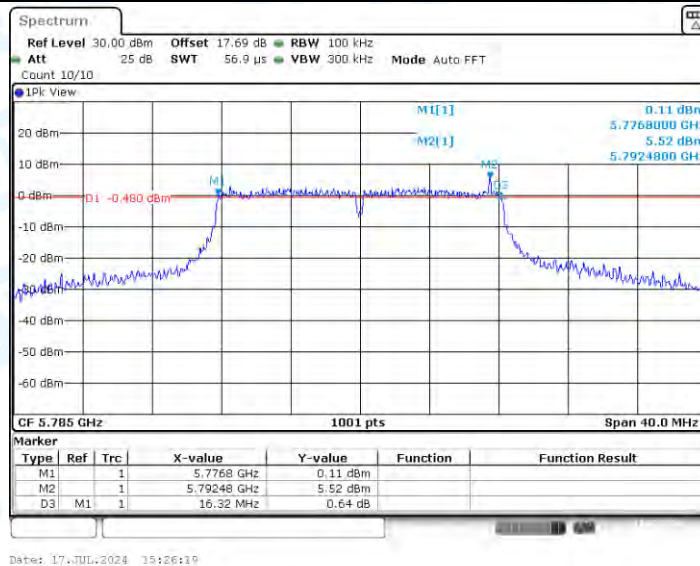
TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.32	5736.80	5753.12	0.5	PASS
		5785	16.32	5776.80	5793.12	0.5	PASS
		5825	16.32	5816.80	5833.12	0.5	PASS
11N20SISO	Ant1	5745	17.40	5736.20	5753.60	0.5	PASS
		5785	17.40	5776.32	5793.72	0.5	PASS
		5825	17.48	5816.24	5833.72	0.5	PASS
11N40SISO	Ant1	5755	35.76	5737.00	5772.76	0.5	PASS
		5795	35.76	5777.16	5812.92	0.5	PASS
11AC20SISO	Ant1	5745	17.24	5736.36	5753.60	0.5	PASS
		5785	17.16	5776.44	5793.60	0.5	PASS
		5825	17.56	5816.20	5833.76	0.5	PASS
11AC40SISO	Ant1	5755	36.16	5737.00	5773.16	0.5	PASS
		5795	36.24	5776.92	5813.16	0.5	PASS
11AC80SISO	Ant1	5775	75.68	5737.24	5812.92	0.5	PASS

3.2.Test Graphs

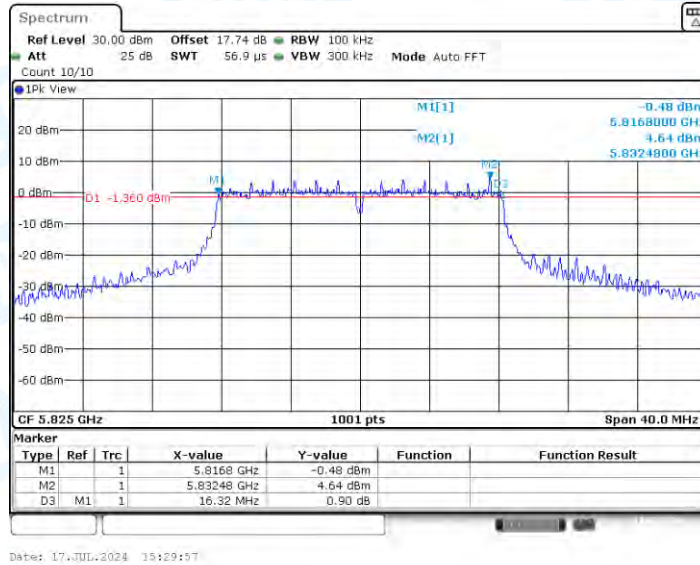
11A_Ant1_5745



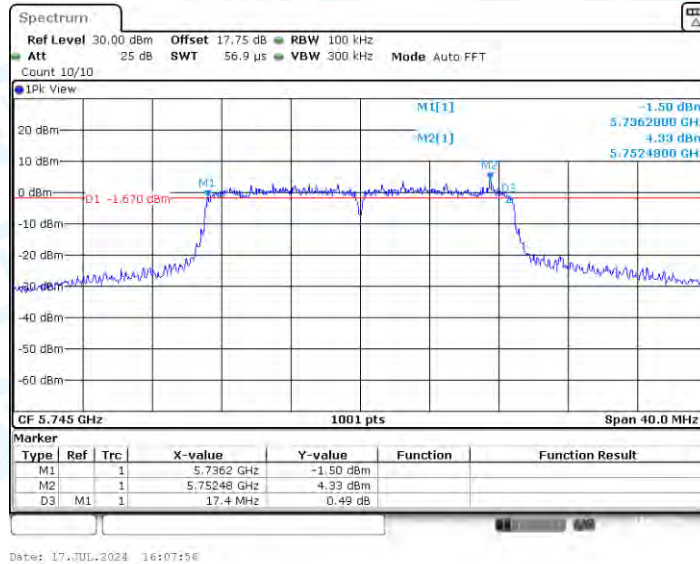
11A_Ant1_5785



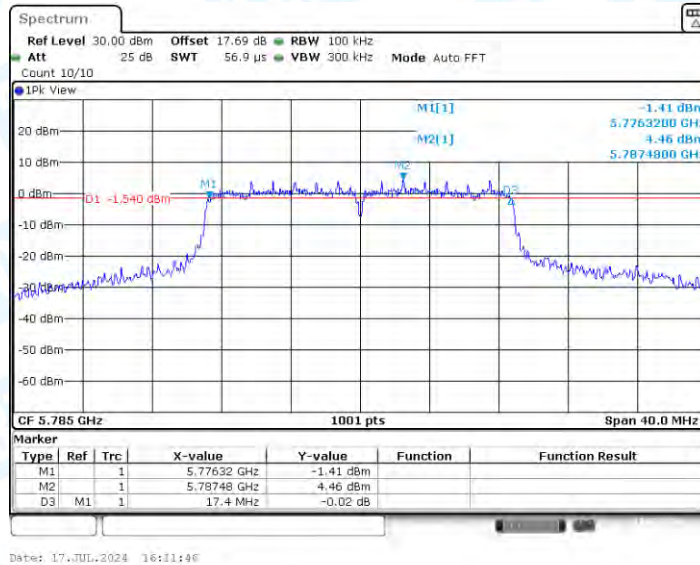
11A_Ant1_5825



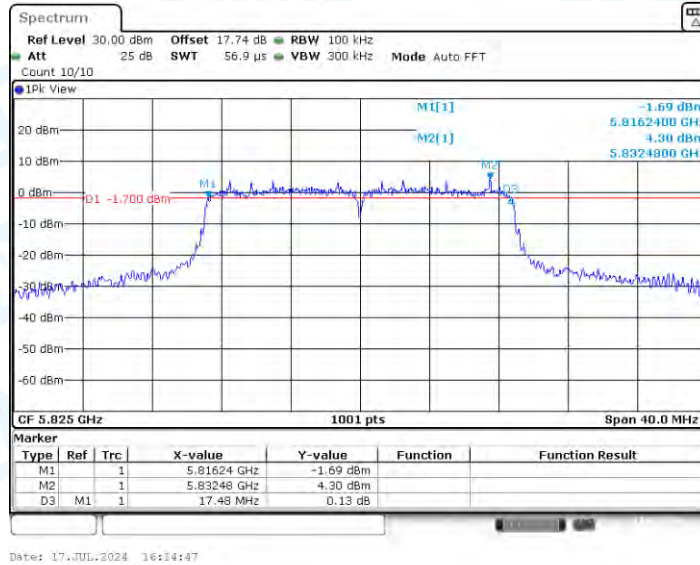
11N20SISO_Ant1_5745



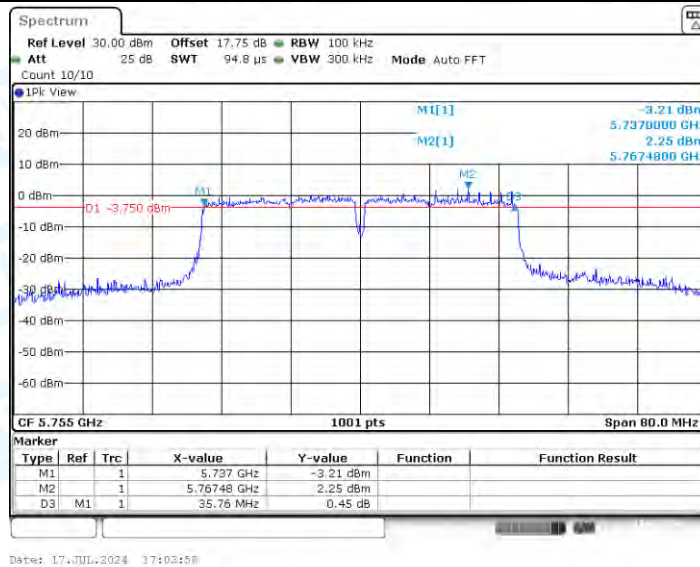
11N20SISO_Ant1_5785



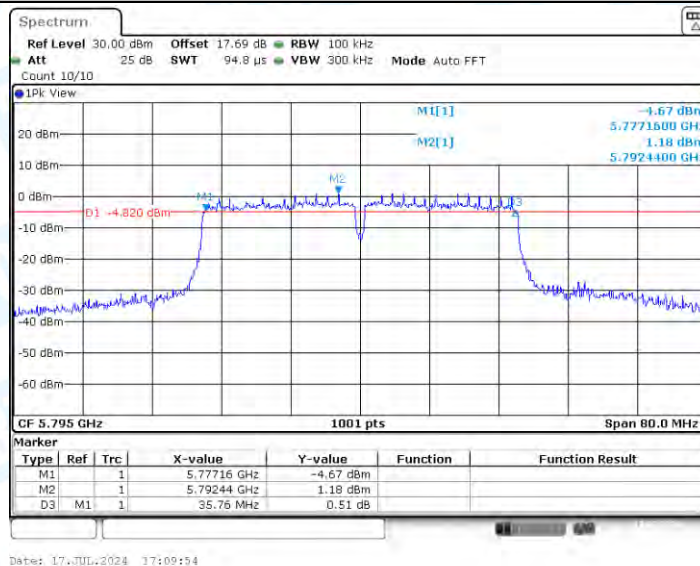
11N20SISO_Ant1_5825



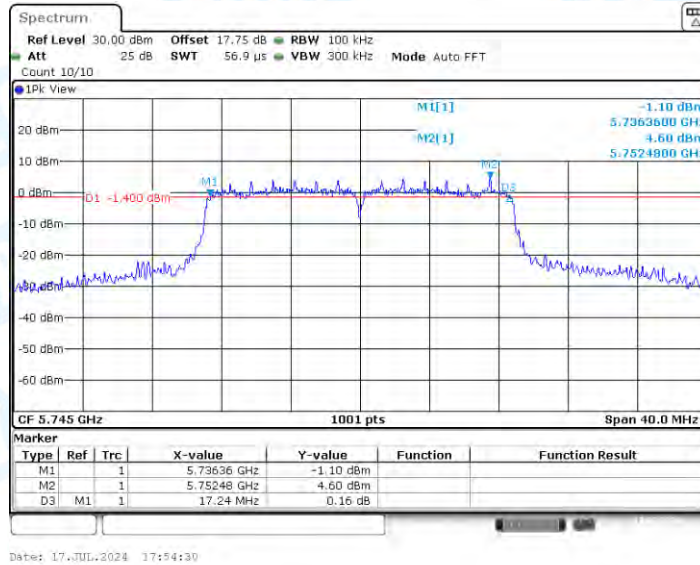
11N40SISO_Ant1_5755



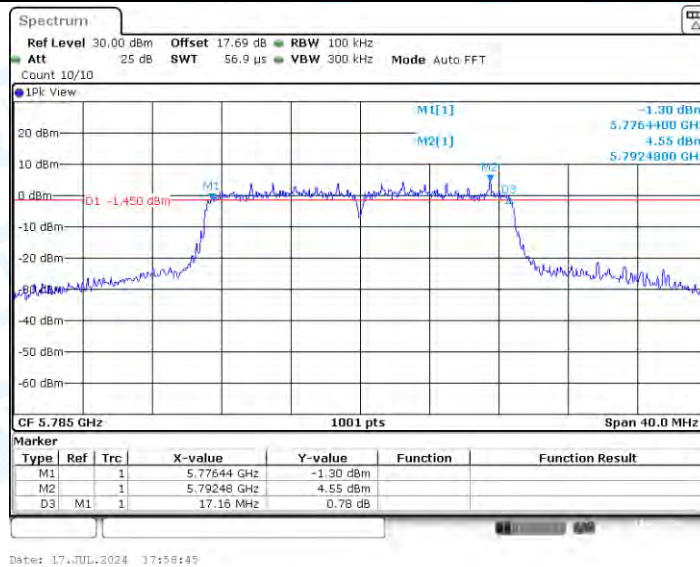
11N40SISO_Ant1_5795



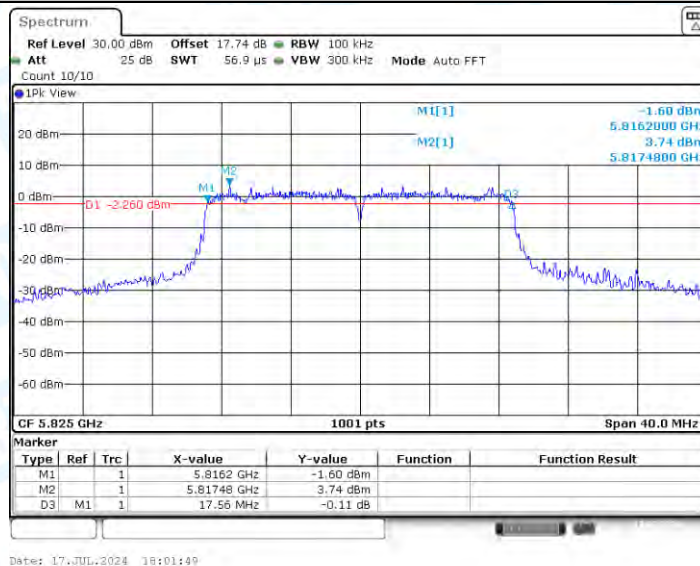
11AC20SISO_Ant1_5745



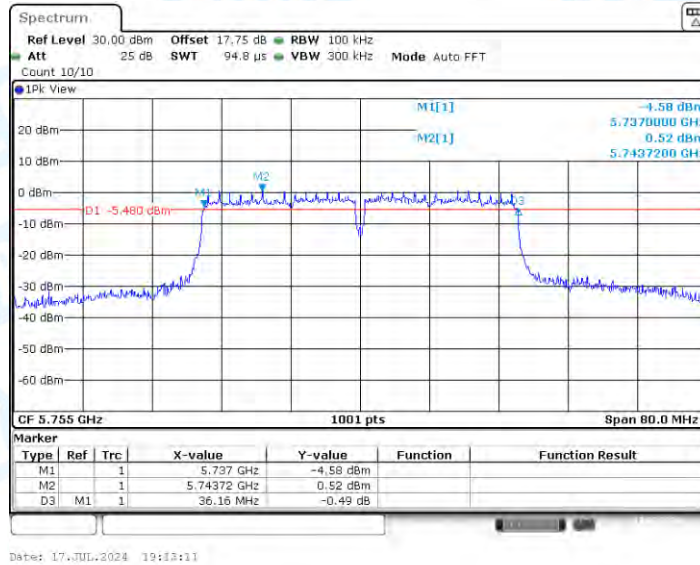
11AC20SISO_Ant1_5785



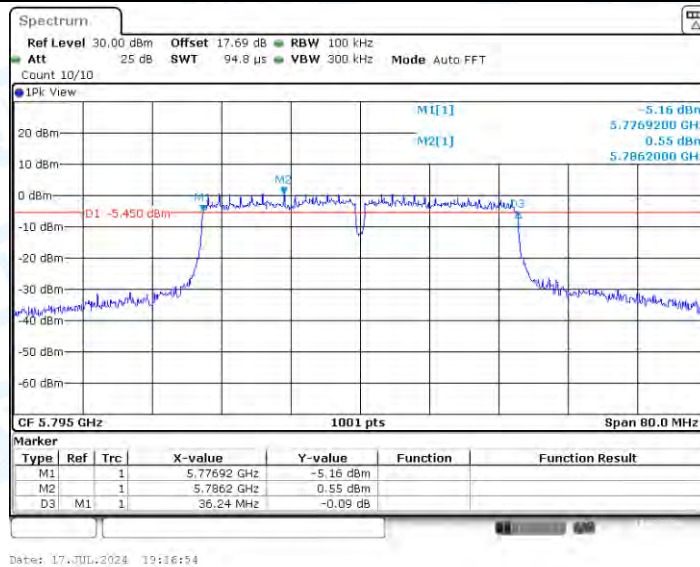
11AC20SISO_Ant1_5825



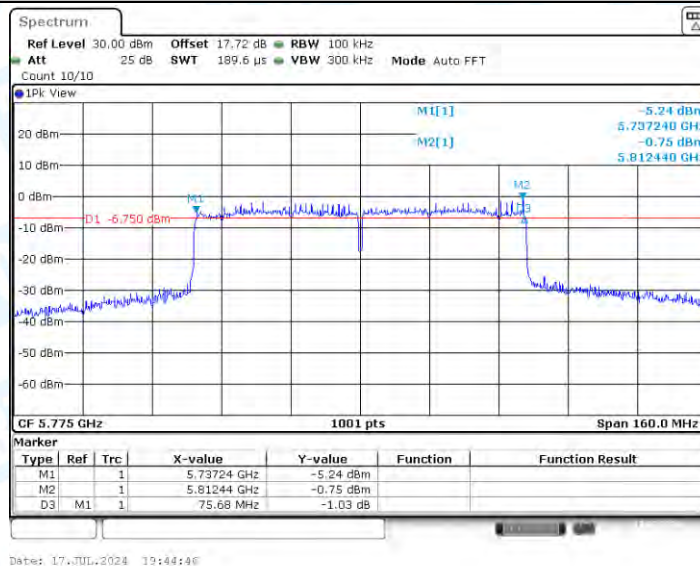
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



4. Maximum conducted output power

4.1. Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	15.84	≤23.98	PASS
		5200	14.58	≤23.98	PASS
		5240	14.14	≤23.98	PASS
		5260	14.57	≤23.98	PASS
		5280	14.77	≤23.98	PASS
		5320	14.96	≤23.98	PASS
		5500	15.86	≤23.98	PASS
		5580	15.06	≤23.98	PASS
		5700	15.23	≤23.98	PASS
		5745	14.83	≤30.00	PASS
		5785	15.99	≤30.00	PASS
		5825	14.77	≤30.00	PASS
11N20SISO	Ant1	5180	15.87	≤23.98	PASS
		5200	15.87	≤23.98	PASS
		5240	15.78	≤23.98	PASS
		5260	14.95	≤23.98	PASS
		5280	14.62	≤23.98	PASS
		5320	14.41	≤23.98	PASS
		5500	15.07	≤23.98	PASS
		5580	14.72	≤23.98	PASS
		5700	13.77	≤23.98	PASS
		5745	15.00	≤30.00	PASS
		5785	15.49	≤30.00	PASS
		5825	15.29	≤30.00	PASS
11N40SISO	Ant1	5190	15.01	≤23.98	PASS
		5230	14.71	≤23.98	PASS
		5270	13.75	≤23.98	PASS
		5310	14.73	≤23.98	PASS
		5510	14.00	≤23.98	PASS
		5550	14.06	≤23.98	PASS
		5670	13.60	≤23.98	PASS
		5755	15.17	≤30.00	PASS
		5795	15.21	≤30.00	PASS
11AC20SISO	Ant1	5180	15.15	≤23.98	PASS
		5200	15.33	≤23.98	PASS
		5240	14.77	≤23.98	PASS
		5260	14.21	≤23.98	PASS
		5280	13.59	≤23.98	PASS
		5320	13.52	≤23.98	PASS

		5500	14.97	≤23.98	PASS
		5580	14.57	≤23.98	PASS
		5700	13.85	≤23.98	PASS
		5745	15.03	≤30.00	PASS
		5785	15.33	≤30.00	PASS
		5825	15.35	≤30.00	PASS
11AC40SISO	Ant1	5190	15.02	≤23.98	PASS
		5230	14.77	≤23.98	PASS
		5270	14.71	≤23.98	PASS
		5310	14.65	≤23.98	PASS
		5510	13.92	≤23.98	PASS
		5550	14.56	≤23.98	PASS
		5670	13.48	≤23.98	PASS
		5755	15.02	≤30.00	PASS
		5795	15.30	≤30.00	PASS
11AC80SISO	Ant1	5210	14.96	≤23.98	PASS
		5290	14.37	≤23.98	PASS
		5530	14.79	≤23.98	PASS
		5610	15.02	≤23.98	PASS
		5775	16.11	≤30.00	PASS

Note: The Duty Cycle Factor is compensated in the graph.

5. Maximum power spectral density

5.1. Test Result

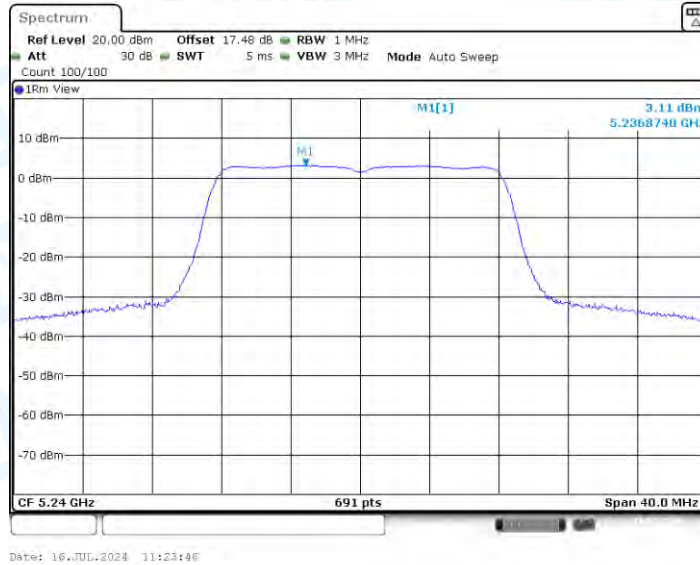
TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	3.78	≤11.00	PASS
		5200	3.67	≤11.00	PASS
		5240	3.21	≤11.00	PASS
		5260	3.68	≤11.00	PASS
		5280	2.70	≤11.00	PASS
		5320	2.42	≤11.00	PASS
		5500	4.81	≤11.00	PASS
		5580	4.26	≤11.00	PASS
		5700	4.55	≤11.00	PASS
		5745	1.09	≤30.00	PASS
		5785	2.19	≤30.00	PASS
		5825	1.11	≤30.00	PASS
11N20SISO	Ant1	5180	4.79	≤11.00	PASS
		5200	4.87	≤11.00	PASS
		5240	4.51	≤11.00	PASS
		5260	4.04	≤11.00	PASS
		5280	3.20	≤11.00	PASS
		5320	3.77	≤11.00	PASS
		5500	3.81	≤11.00	PASS
		5580	3.63	≤11.00	PASS
		5700	2.66	≤11.00	PASS
		5745	1.11	≤30.00	PASS
		5785	1.26	≤30.00	PASS
		5825	1.19	≤30.00	PASS
11N40SISO	Ant1	5190	1.08	≤11.00	PASS
		5230	0.67	≤11.00	PASS
		5270	-0.36	≤11.00	PASS
		5310	0.56	≤11.00	PASS
		5510	-0.01	≤11.00	PASS
		5550	0.62	≤11.00	PASS
		5670	-0.21	≤11.00	PASS
		5755	-1.70	≤30.00	PASS
		5795	-1.88	≤30.00	PASS
11AC20SISO	Ant1	5180	3.95	≤11.00	PASS
		5200	4.09	≤11.00	PASS
		5240	3.68	≤11.00	PASS
		5260	3.20	≤11.00	PASS
		5280	2.22	≤11.00	PASS
		5320	2.35	≤11.00	PASS
		5500	3.87	≤11.00	PASS

		5580	3.60	≤11.00	PASS
		5700	1.59	≤11.00	PASS
		5745	1.09	≤30.00	PASS
		5785	1.21	≤30.00	PASS
		5825	1.27	≤30.00	PASS
11AC40SISO	Ant1	5190	1.04	≤11.00	PASS
		5230	0.71	≤11.00	PASS
		5270	-0.42	≤11.00	PASS
		5310	0.54	≤11.00	PASS
		5510	-0.09	≤11.00	PASS
		5550	0.67	≤11.00	PASS
		5670	-0.28	≤11.00	PASS
		5755	-1.95	≤30.00	PASS
		5795	-1.81	≤30.00	PASS
11AC80SISO	Ant1	5210	-2.40	≤11.00	PASS
		5290	-2.64	≤11.00	PASS
		5530	-2.37	≤11.00	PASS
		5610	-1.84	≤11.00	PASS
		5775	-4.11	≤30.00	PASS

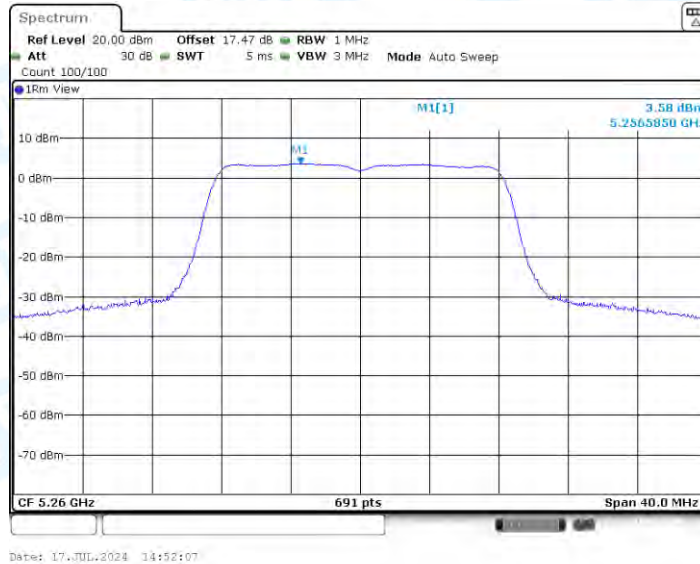
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

5.2.Test Graphs





11A_Ant1_5260



11A_Ant1_5280



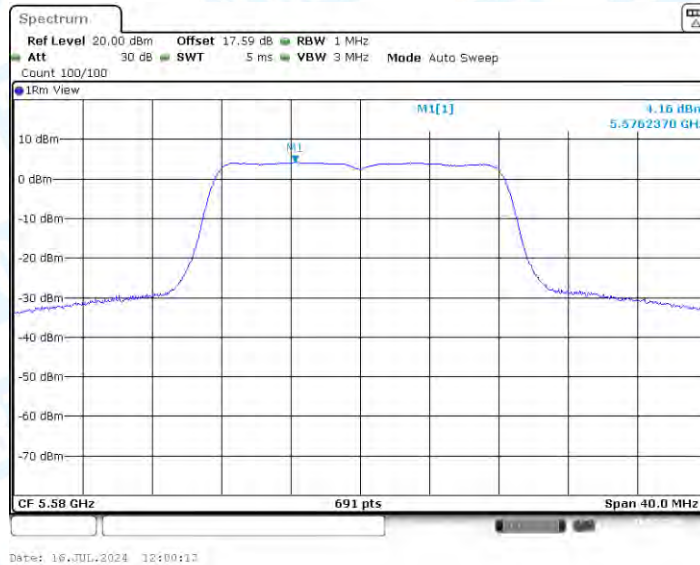
11A_Ant1_5320



11A_Ant1_5500



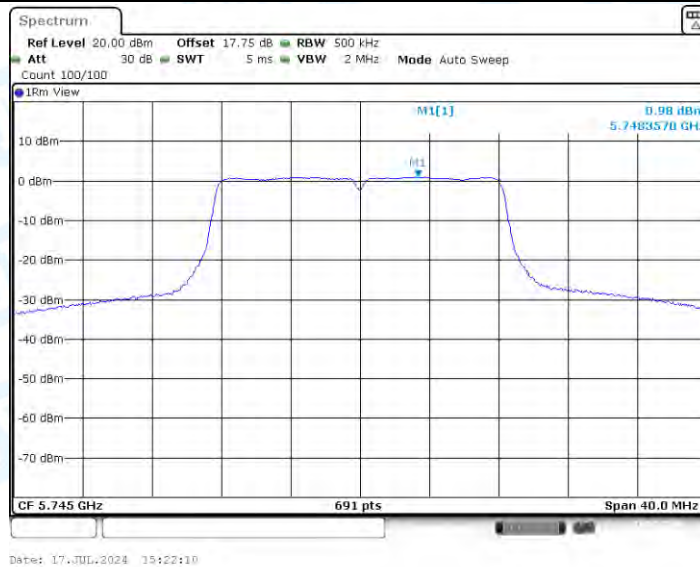
11A_Ant1_5580



11A_Ant1_5700



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



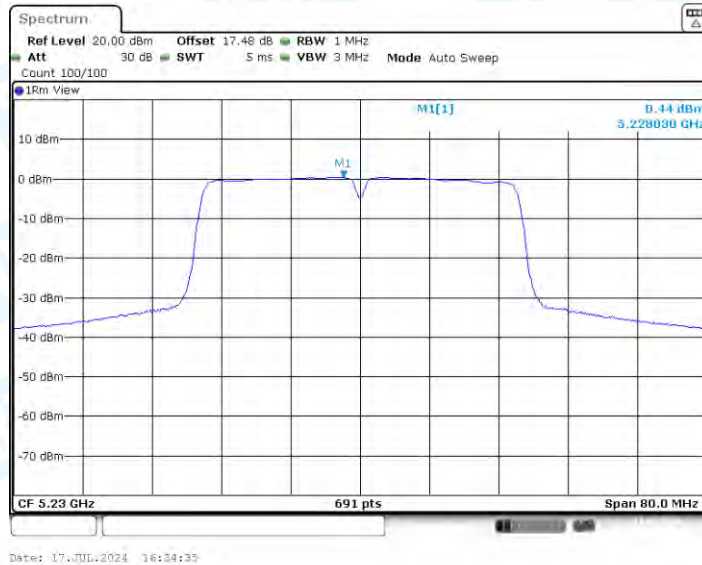
11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11N40SISO_Ant1_5510



11N40SISO_Ant1_5550



11N40SISO_Ant1_5670



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320