

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

General Description of EUT	
EUT Name:	SMART HD CAMERA
Model:	C492A-W6
Sample ID:	HC-C-202411-0234-01-01
Test Standard:	FCC Part 15.407
Environmental Conditions	
Ambient Temperature:	24.9℃
Ambient Humidity:	50%RH
Test Power Supply:	DC 5V
Test Engineer:	ZKN.Zhou
Note: For a more detailed features description, please refer to the report TBR-C-202411-0234-20	

Contents

1: Emission Bandwidth	3
1.1 Test Result	3
1.2 Test Graphs	5
2: Occupied channel bandwidth	15
2.1 Test Result	15
2.2 Test Graphs	17
3: Min emission bandwidth	30
3.1 Test Result-B4	30
3.2 Test Graphs-B4	31
4: Duty Cycle	34
4.1 Test Result	34
4.2 Test Graphs	36
5: Maximum conducted output power	49
5.1 Test Result	49
6: Maximum power spectral density	51
6.1 Test Result	51
6.2 Test Graphs	53
7: Band edge measurements	66
7.1 Test Result B1/2/3	66
7.2 Test Result B4	67
7.3 Test Graphs B1/2/3	69
7.4 Test Graphs B4	74
8: Conducted Spurious Emission	77
8.1 Test Result	77
8.2 Test Graphs	81
9: Frequency Stability	106
9.1 Test Result	106
10: Emissions in Restricted Bands	111
10.1 Test Result	111
10.2 Test Graphs	116

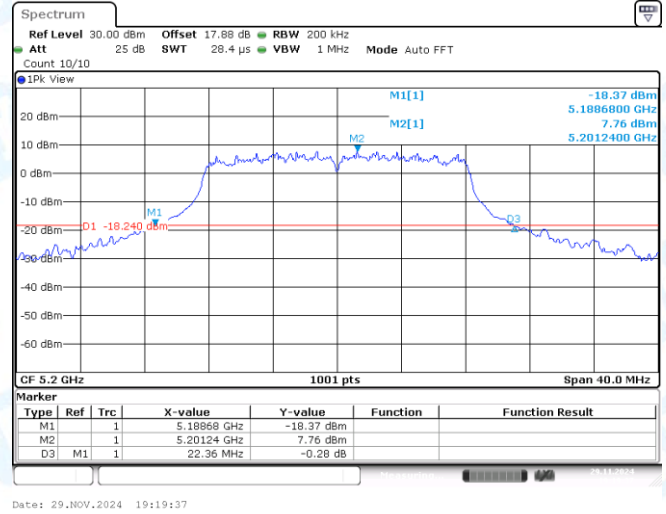
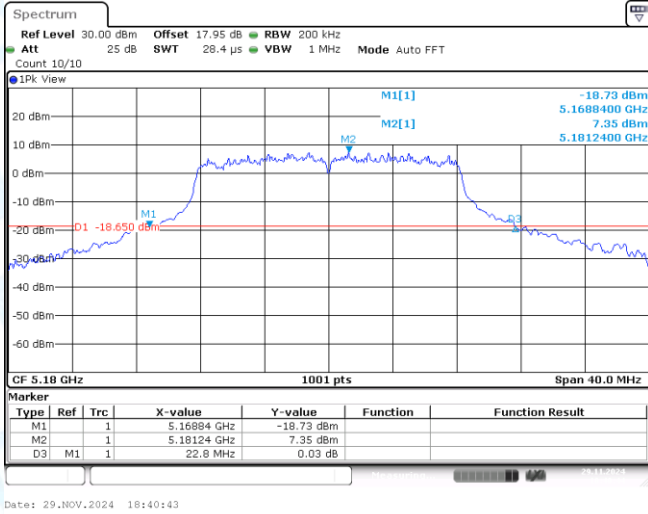
1: Emission Bandwidth

1.1 Test Result

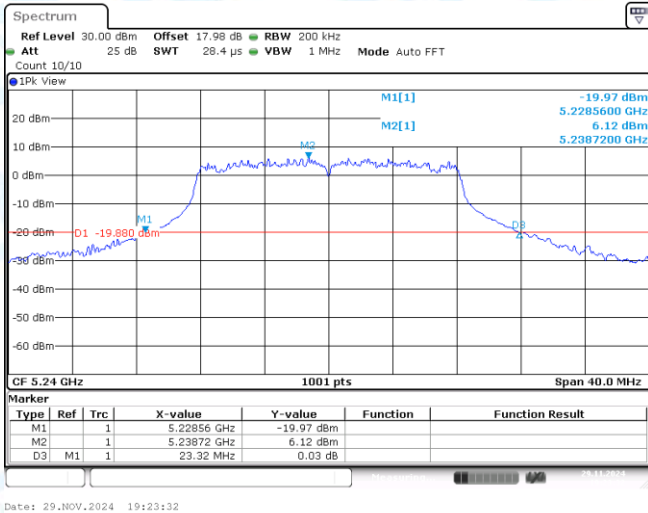
TestMode	Antenna	Frequency[MHz]	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	22.80	5168.84	5191.64	---	---
11A	Ant1	5200	22.36	5188.68	5211.04	---	---
11A	Ant1	5240	23.32	5228.56	5251.88	---	---
11A	Ant1	5260	23.52	5248.28	5271.80	---	---
11A	Ant1	5280	23.12	5268.68	5291.80	---	---
11A	Ant1	5320	22.88	5308.88	5331.76	---	---
11A	Ant1	5500	24.32	5487.60	5511.92	---	---
11A	Ant1	5580	24.20	5568.32	5592.52	---	---
11A	Ant1	5700	23.52	5687.56	5711.08	---	---
11N20SISO	Ant1	5180	23.40	5168.28	5191.68	---	---
11N20SISO	Ant1	5200	23.48	5188.20	5211.68	---	---
11N20SISO	Ant1	5240	24.20	5227.80	5252.00	---	---
11N20SISO	Ant1	5260	24.96	5247.84	5272.80	---	---
11N20SISO	Ant1	5280	24.20	5268.04	5292.24	---	---
11N20SISO	Ant1	5320	23.48	5308.36	5331.84	---	---
11N20SISO	Ant1	5500	25.16	5487.24	5512.40	---	---
11N20SISO	Ant1	5580	24.76	5568.12	5592.88	---	---
11N20SISO	Ant1	5700	24.68	5687.60	5712.28	---	---
11N40SISO	Ant1	5190	44.40	5168.56	5212.96	---	---
11N40SISO	Ant1	5230	45.04	5206.56	5251.60	---	---
11N40SISO	Ant1	5270	45.60	5247.36	5292.96	---	---
11N40SISO	Ant1	5310	45.92	5287.60	5333.52	---	---
11N40SISO	Ant1	5510	46.96	5486.64	5533.60	---	---
11N40SISO	Ant1	5550	49.04	5526.48	5575.52	---	---
11N40SISO	Ant1	5670	45.04	5647.28	5692.32	---	---
11AC20SISO	Ant1	5180	23.80	5168.40	5192.20	---	---
11AC20SISO	Ant1	5200	25.52	5187.40	5212.92	---	---
11AC20SISO	Ant1	5240	23.48	5227.92	5251.40	---	---
11AC20SISO	Ant1	5260	23.64	5248.08	5271.72	---	---
11AC20SISO	Ant1	5280	24.32	5268.04	5292.36	---	---
11AC20SISO	Ant1	5320	24.00	5307.96	5331.96	---	---
11AC20SISO	Ant1	5500	26.20	5487.04	5513.24	---	---
11AC20SISO	Ant1	5580	24.72	5567.80	5592.52	---	---
11AC20SISO	Ant1	5700	25.32	5686.72	5712.04	---	---
11AC40SISO	Ant1	5190	45.76	5167.76	5213.52	---	---
11AC40SISO	Ant1	5230	44.32	5207.68	5252.00	---	---
11AC40SISO	Ant1	5270	45.84	5246.64	5292.48	---	---
11AC40SISO	Ant1	5310	44.88	5287.28	5332.16	---	---
11AC40SISO	Ant1	5510	46.64	5486.88	5533.52	---	---
11AC40SISO	Ant1	5550	46.56	5526.64	5573.20	---	---
11AC40SISO	Ant1	5670	47.20	5646.48	5693.68	---	---

11AX20SISO	Ant1	5180	24.64	5168.28	5192.92	---	---
11AX20SISO	Ant1	5200	24.08	5187.80	5211.88	---	---
11AX20SISO	Ant1	5240	23.60	5228.36	5251.96	---	---
11AX20SISO	Ant1	5260	23.88	5248.00	5271.88	---	---
11AX20SISO	Ant1	5280	24.08	5268.20	5292.28	---	---
11AX20SISO	Ant1	5320	24.52	5307.72	5332.24	---	---
11AX20SISO	Ant1	5500	25.32	5486.96	5512.28	---	---
11AX20SISO	Ant1	5580	25.64	5567.36	5593.00	---	---
11AX20SISO	Ant1	5700	24.52	5687.96	5712.48	---	---
11AX40SISO	Ant1	5190	44.40	5168.00	5212.40	---	---
11AX40SISO	Ant1	5230	44.40	5208.16	5252.56	---	---
11AX40SISO	Ant1	5270	44.56	5247.12	5291.68	---	---
11AX40SISO	Ant1	5310	44.32	5288.88	5333.20	---	---
11AX40SISO	Ant1	5510	44.72	5488.32	5533.04	---	---
11AX40SISO	Ant1	5550	44.00	5527.76	5571.76	---	---
11AX40SISO	Ant1	5670	44.72	5646.96	5691.68	---	---

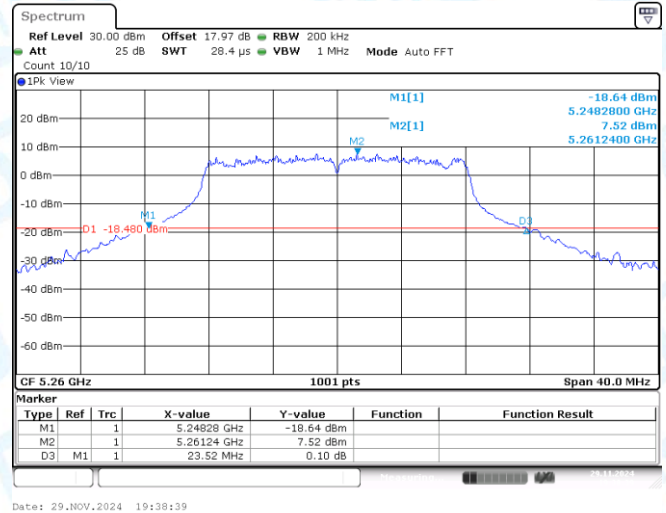
1.2 Test Graphs



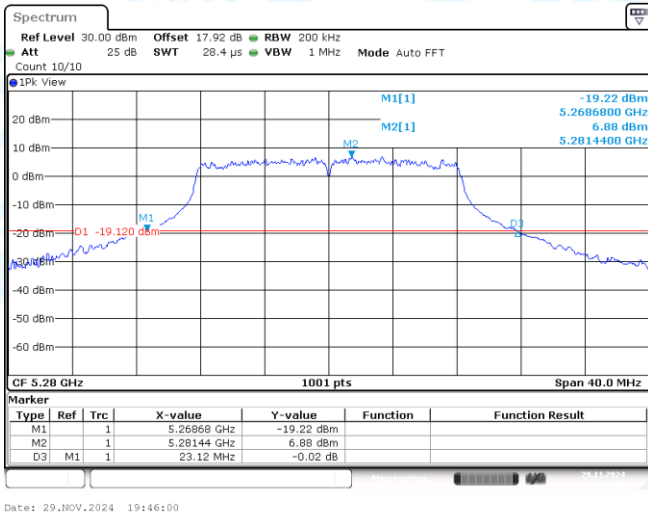
11A-Ant1-5180



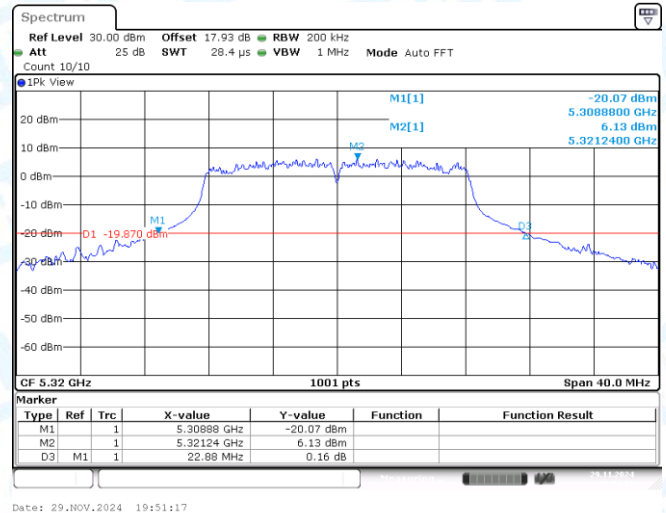
11A-Ant1-5200



11A-Ant1-5240

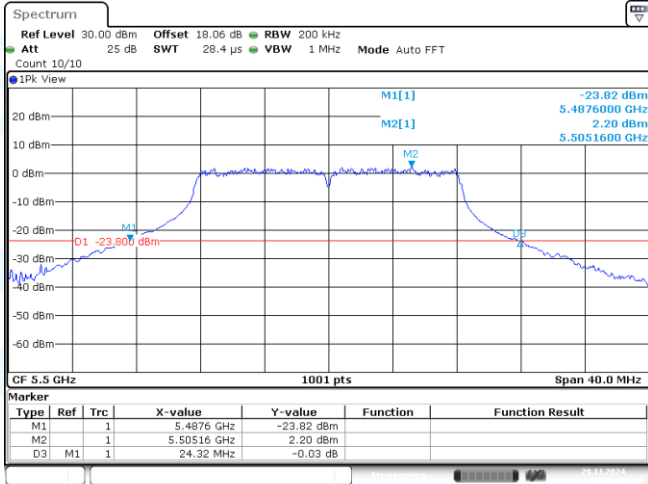


11A-Ant1-5260

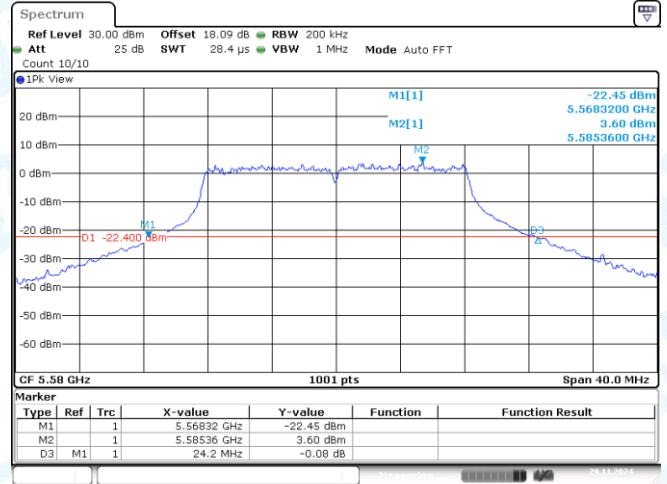


11A-Ant1-5280

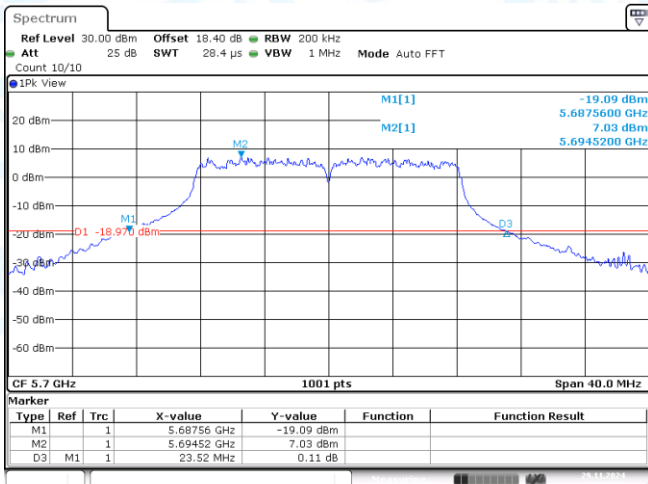
11A-Ant1-5320



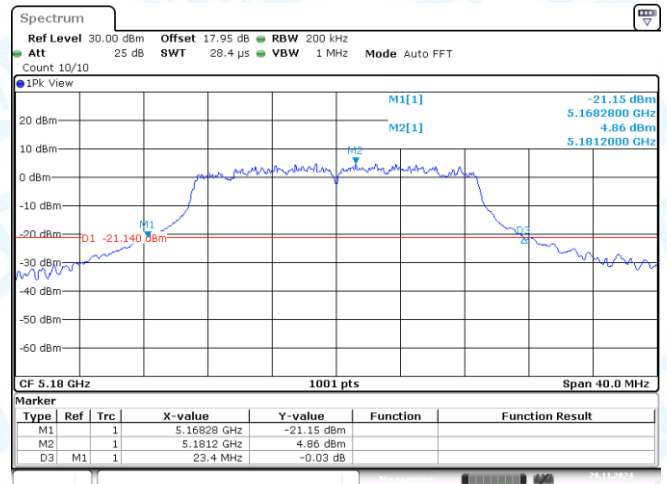
11A-Ant1-5500



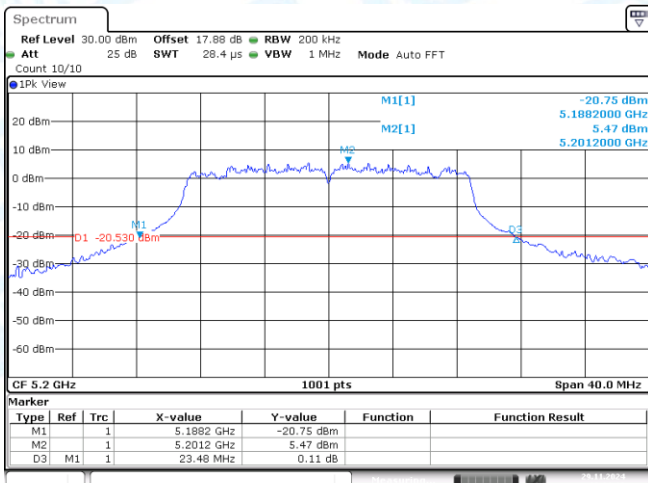
11A-Ant1-5580



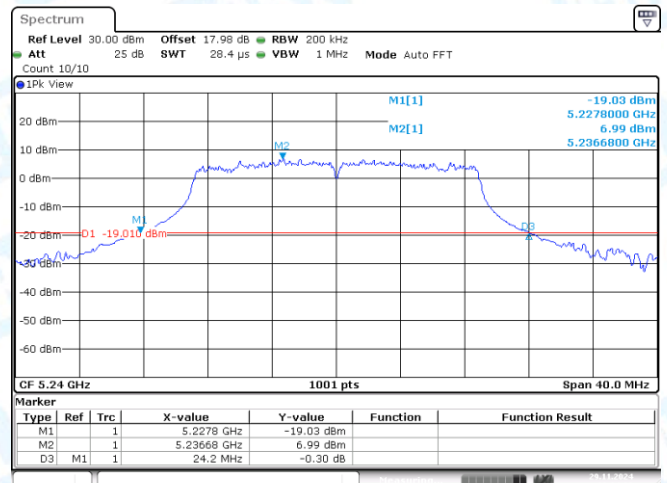
11A-Ant1-5700



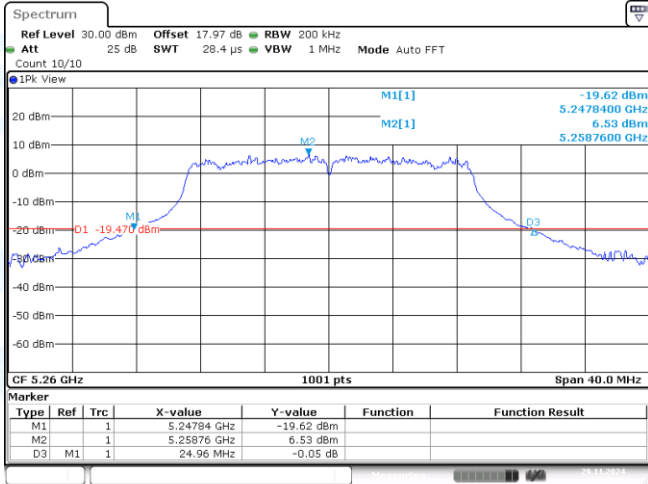
11N20SISO-Ant1-5180



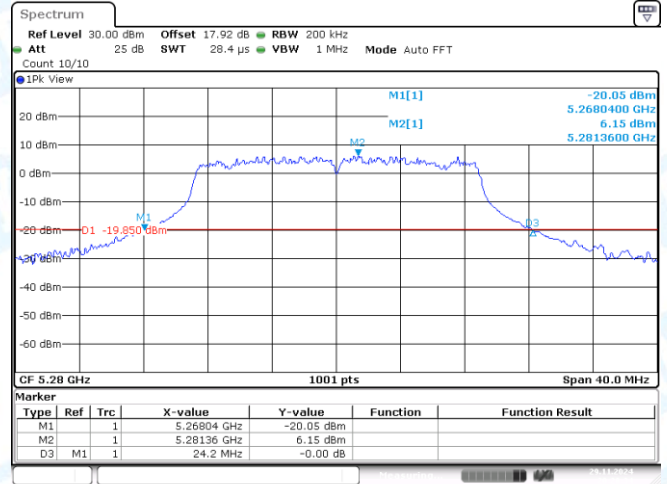
11N20SISO-Ant1-5200



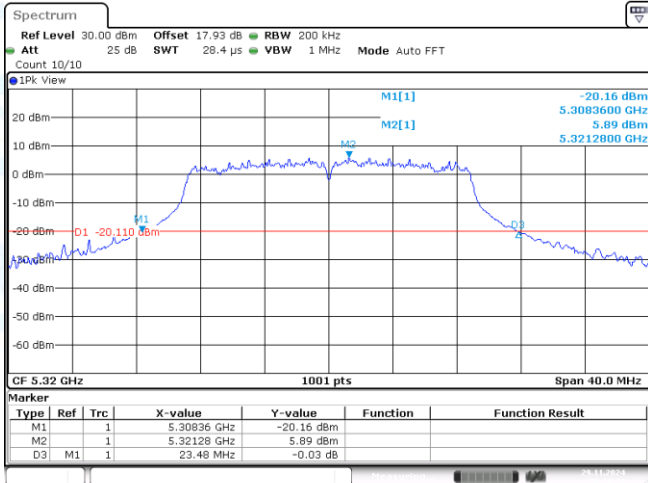
11N20SISO-Ant1-5240



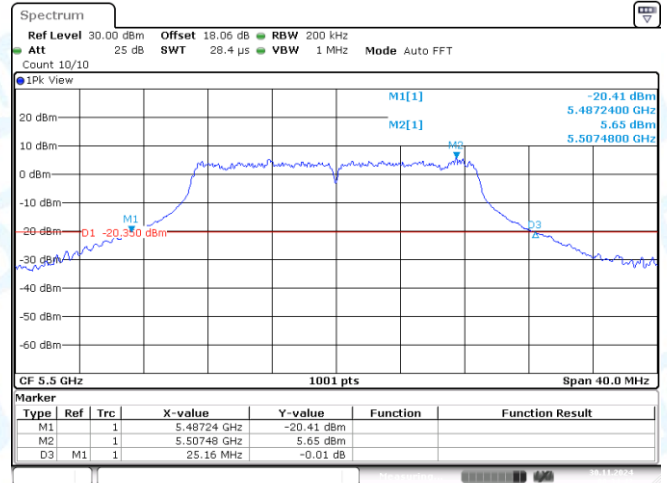
11N20SISO-Ant1-5260



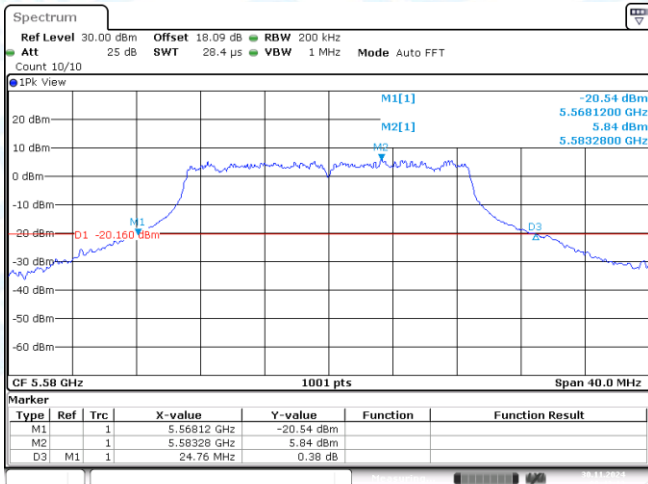
11N20SISO-Ant1-5280



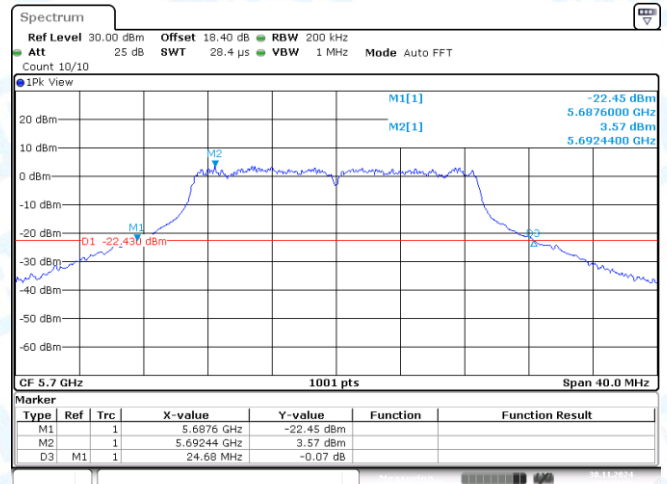
11N20SISO-Ant1-5320



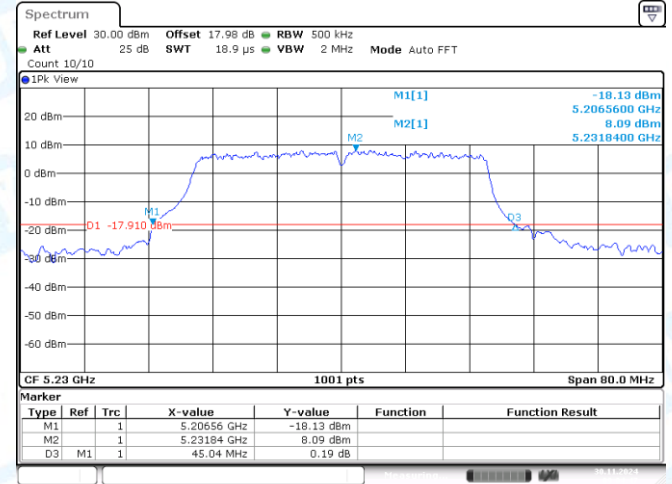
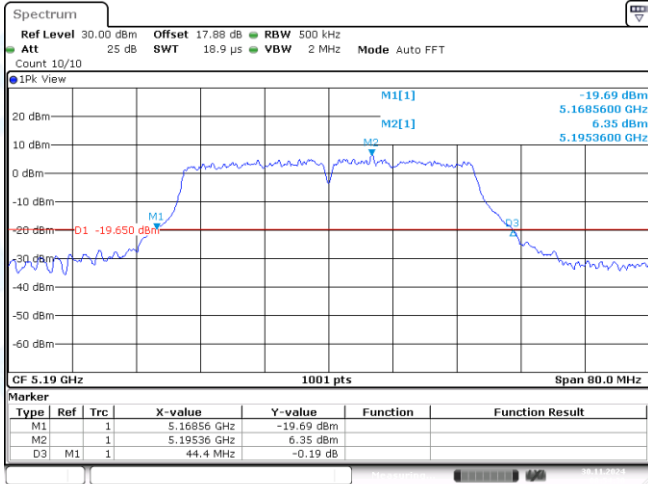
11N20SISO-Ant1-5500



11N20SISO-Ant1-5580

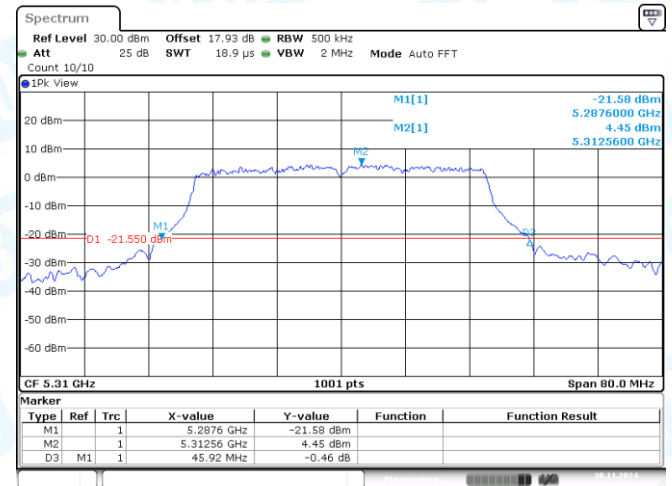
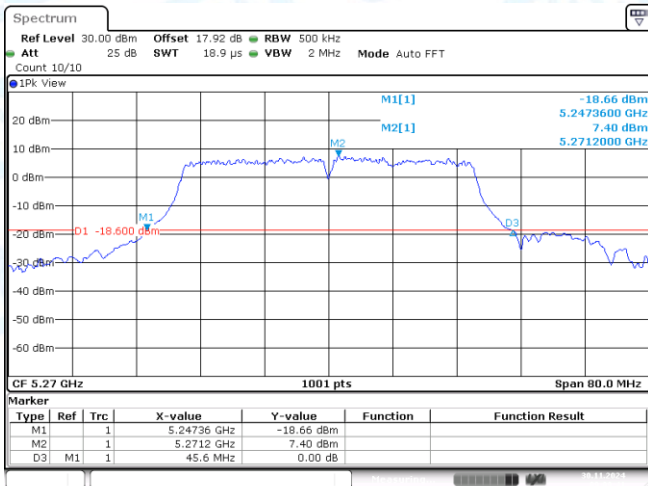


11N20SISO-Ant1-5700



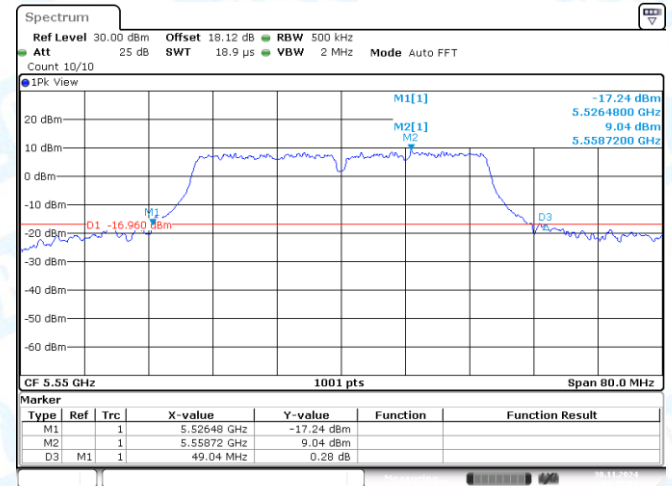
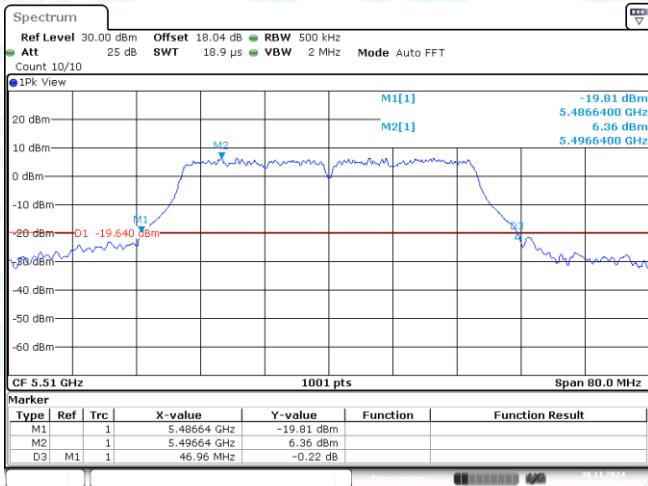
11N40SISO-Ant1-5190

11N40SISO-Ant1-5230



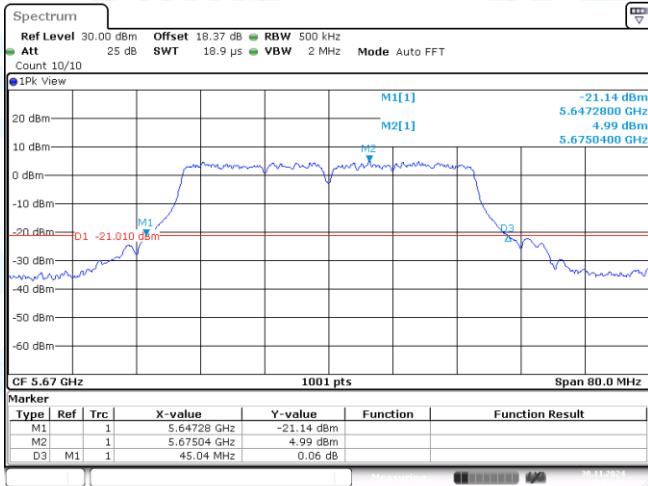
11N40SISO-Ant1-5270

11N40SISO-Ant1-5310

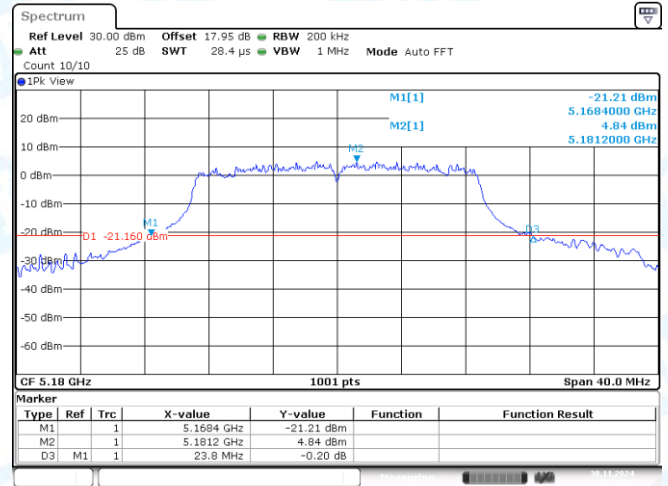


11N40SISO-Ant1-5510

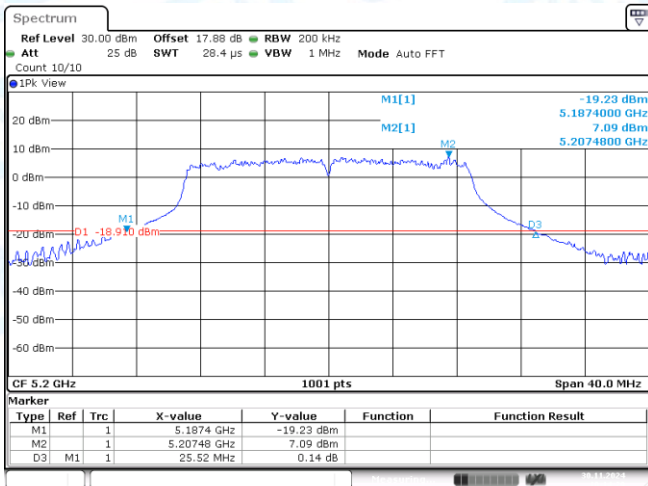
11N40SISO-Ant1-5550



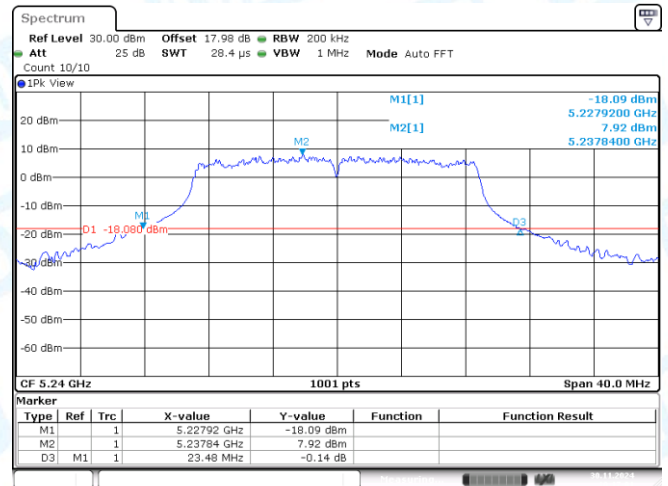
11N40SISO-Ant1-5670



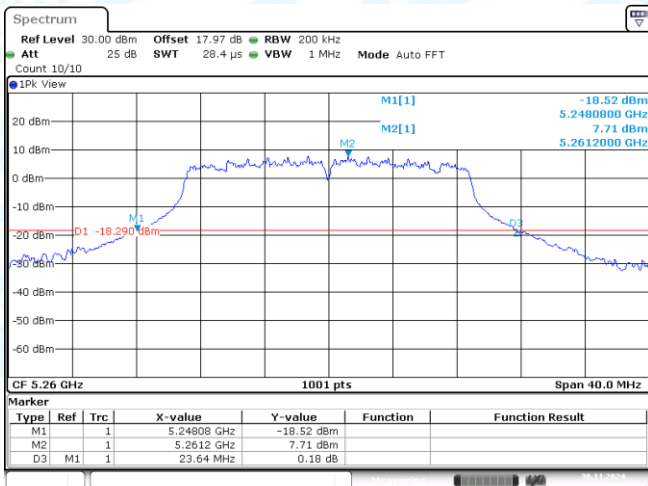
11AC20SISO-Ant1-5180



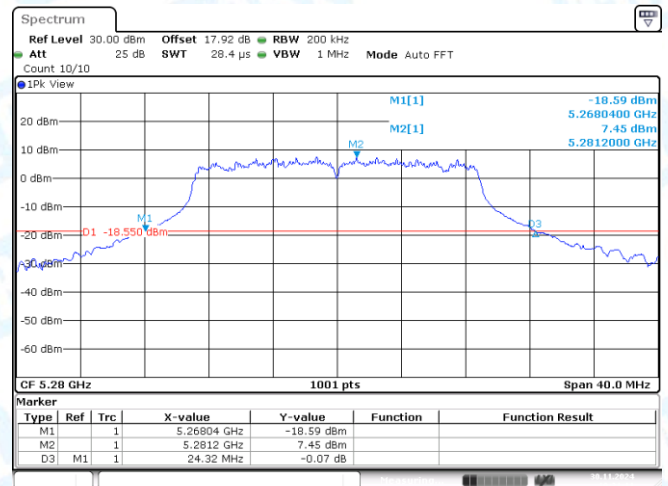
11AC20SISO-Ant1-5200



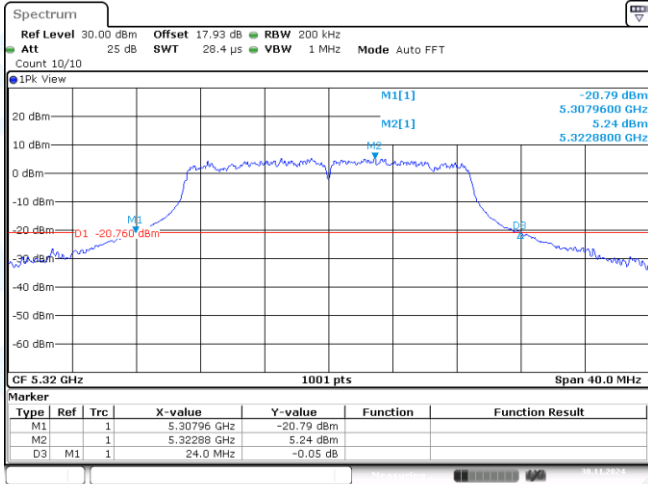
11AC20SISO-Ant1-5240



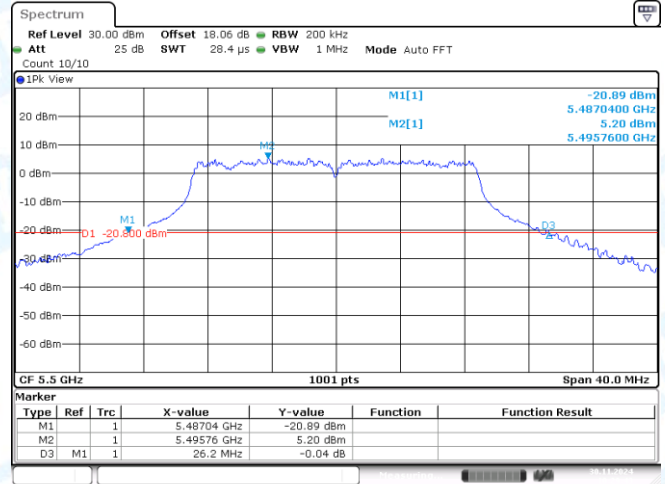
11AC20SISO-Ant1-5260



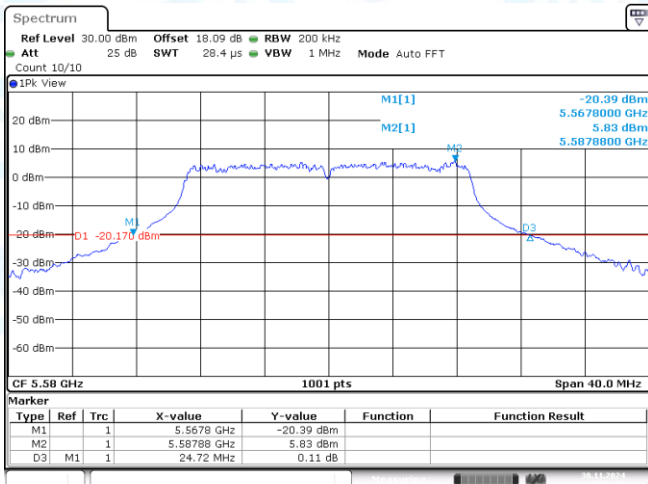
11AC20SISO-Ant1-5280



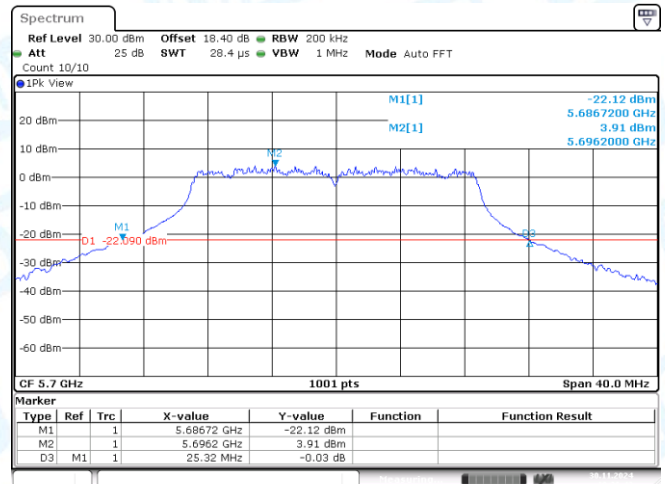
11AC20SISO-Ant1-5320



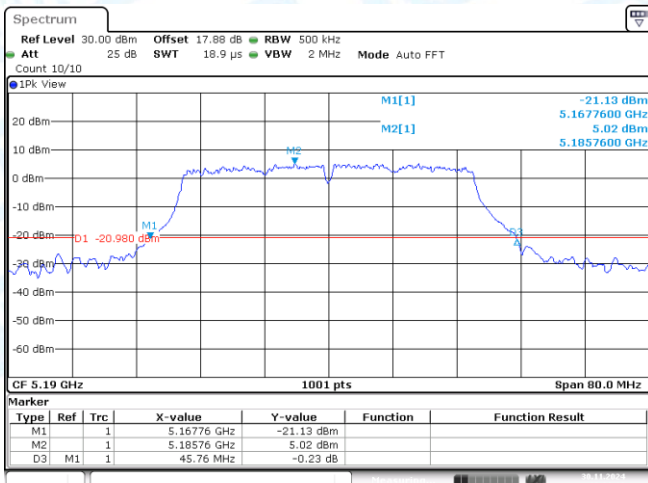
11AC20SISO-Ant1-5500



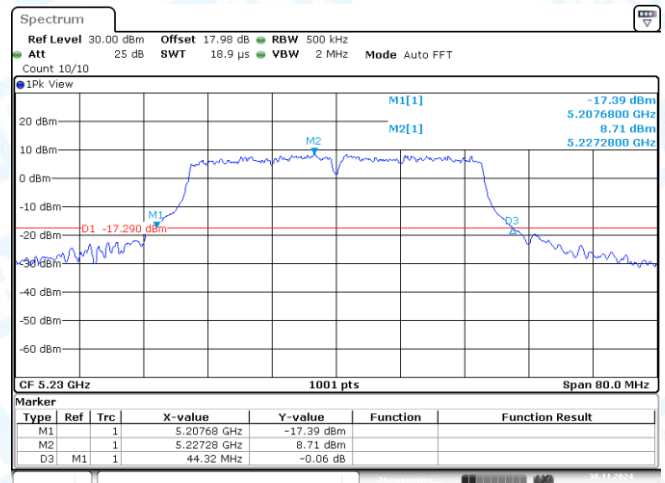
11AC20SISO-Ant1-5580



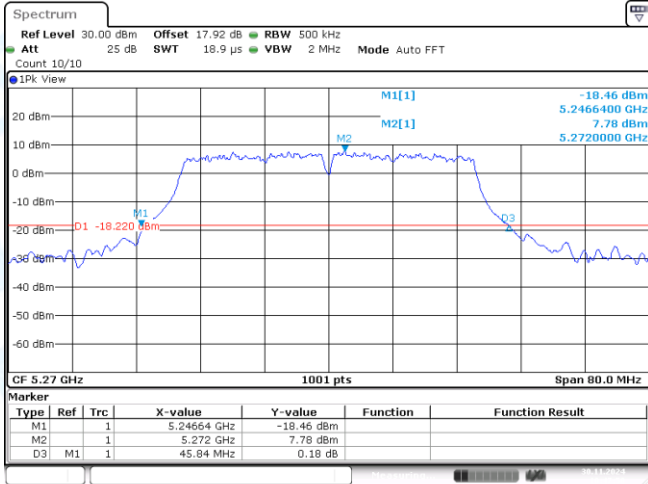
11AC20SISO-Ant1-5700



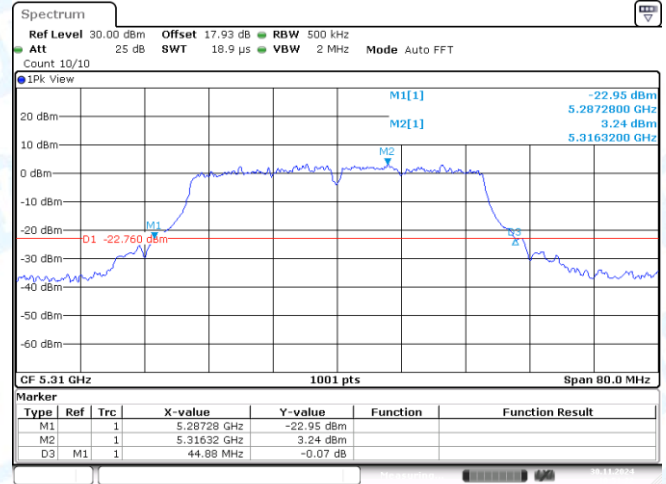
11AC40SISO-Ant1-5190



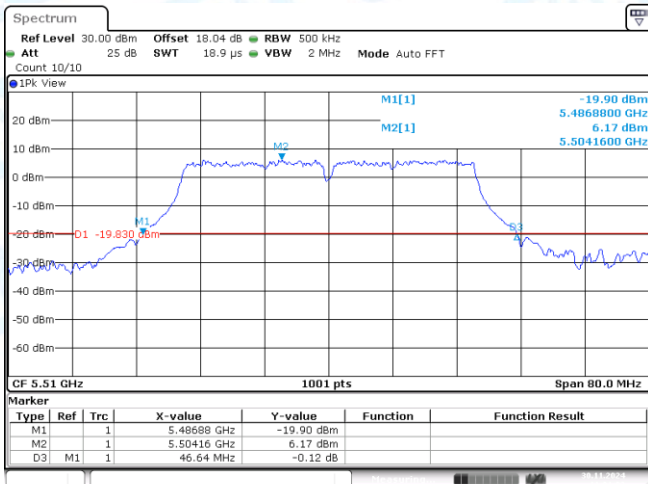
11AC40SISO-Ant1-5230



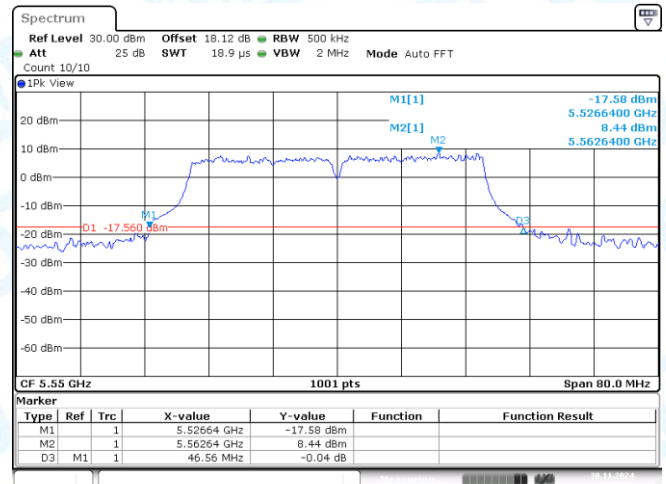
11AC40SISO-Ant1-5270



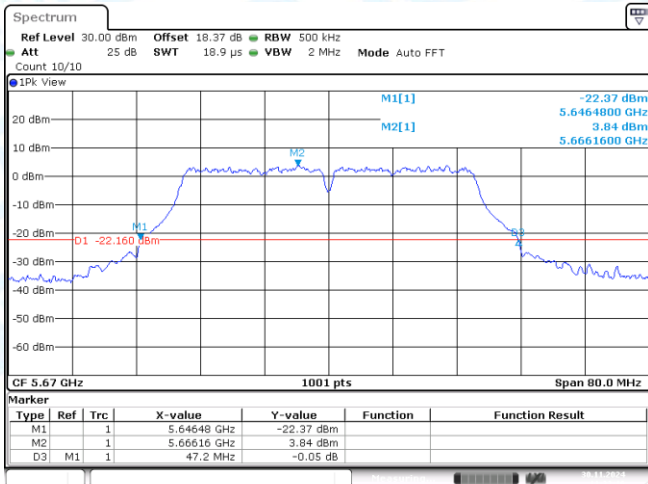
11AC40SISO-Ant1-5310



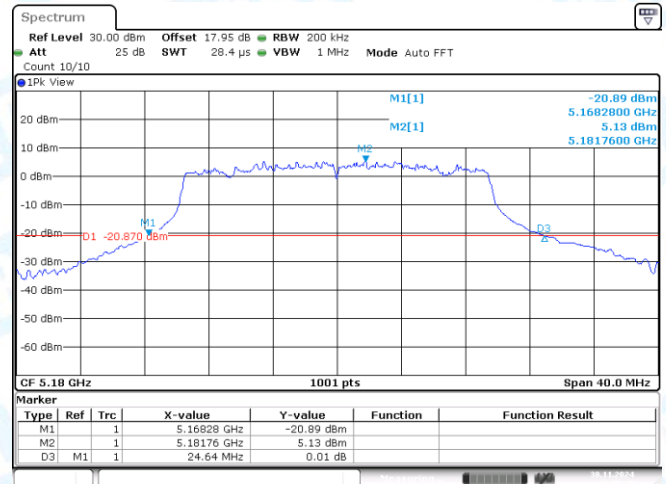
11AC40SISO-Ant1-5510



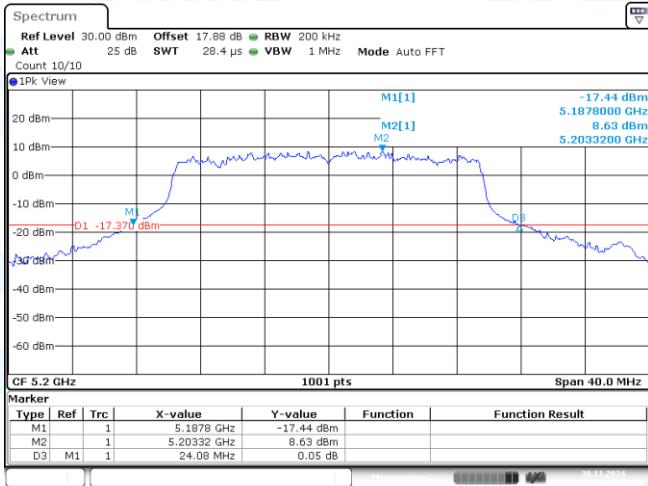
11AC40SISO-Ant1-5550



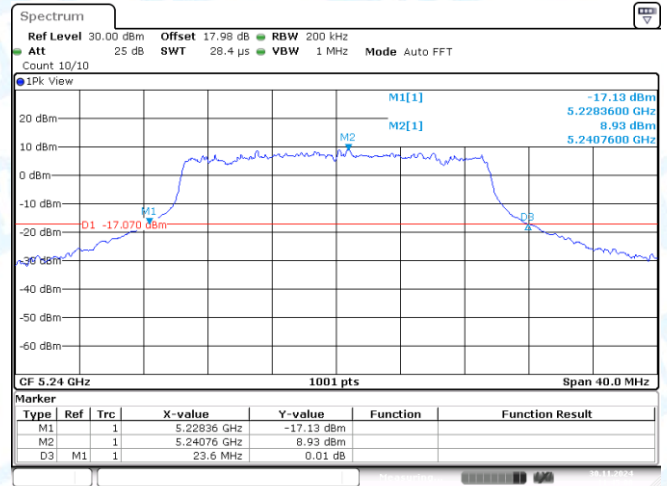
11AC40SISO-Ant1-5670



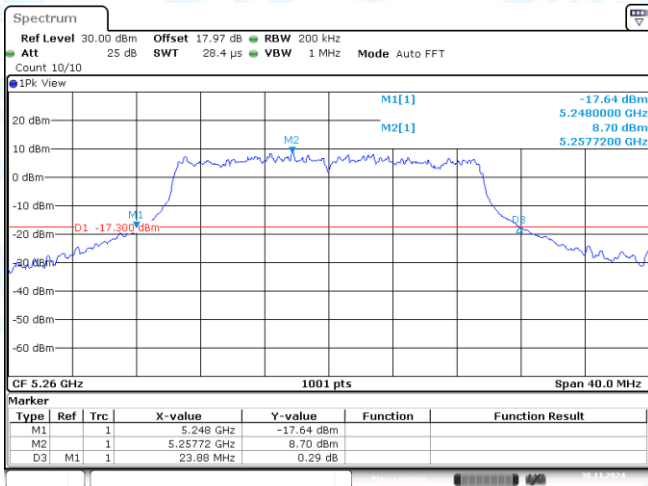
11AX20SISO-Ant1-5180



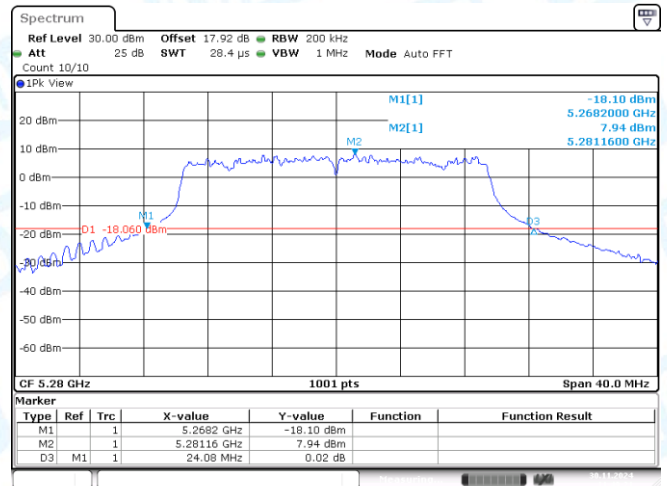
11AX20SISO-Ant1-5200



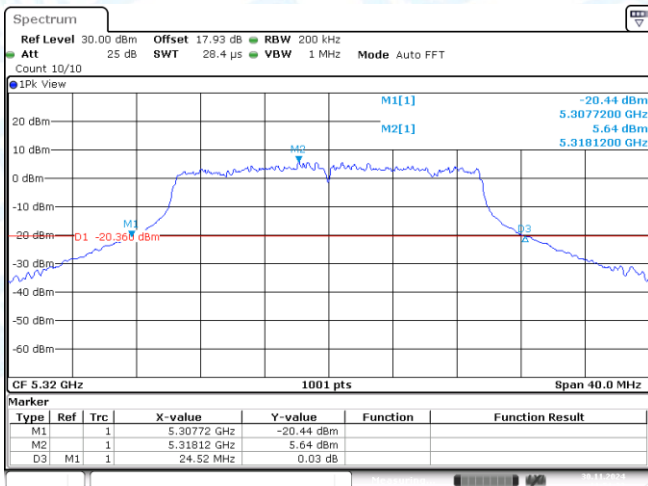
11AX20SISO-Ant1-5240



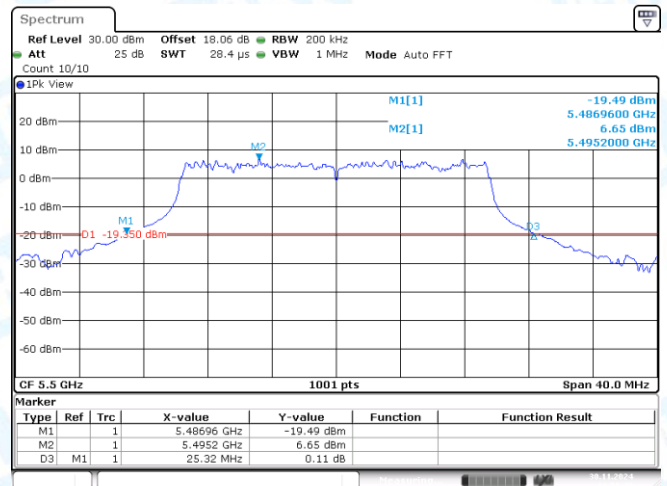
11AX20SISO-Ant1-5260



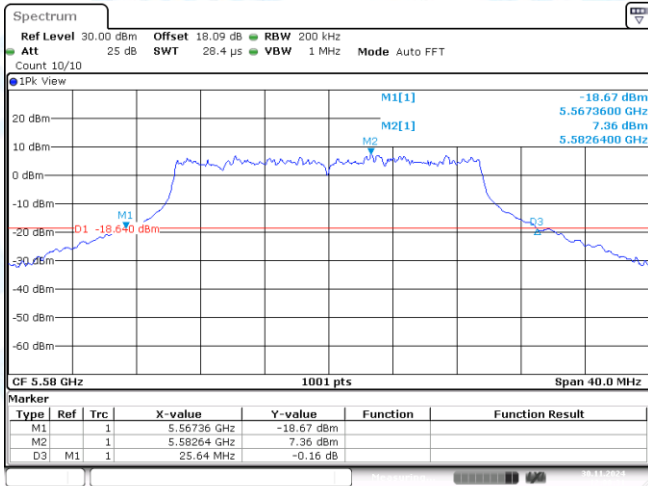
11AX20SISO-Ant1-5280



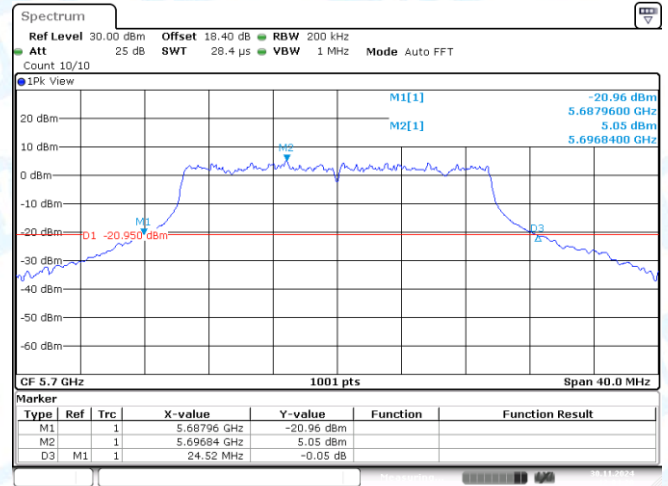
11AX20SISO-Ant1-5320



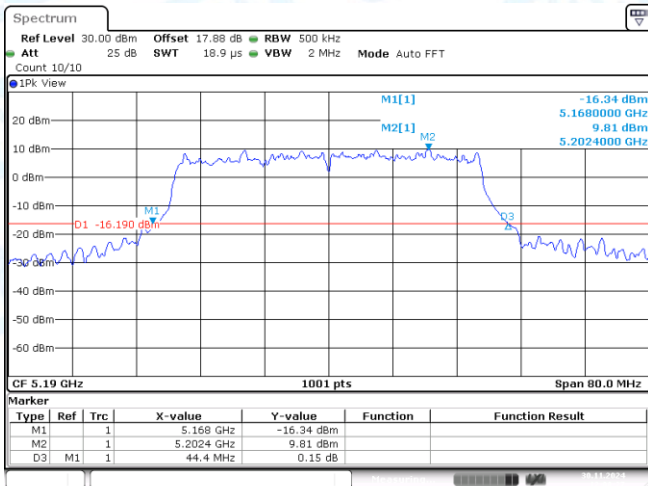
11AX20SISO-Ant1-5500



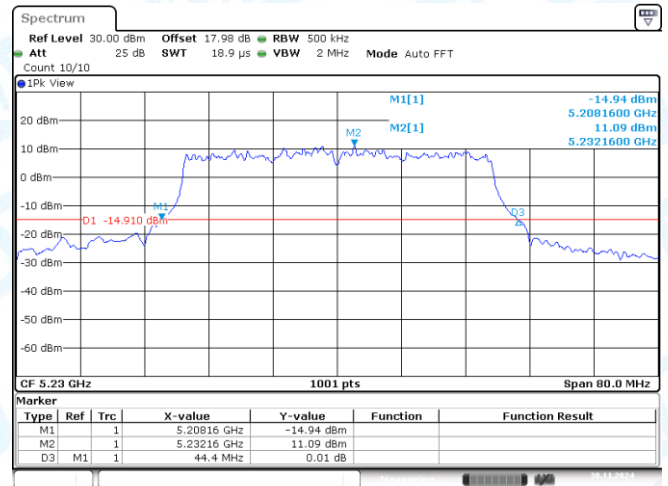
11AX20ISO-Ant1-5580



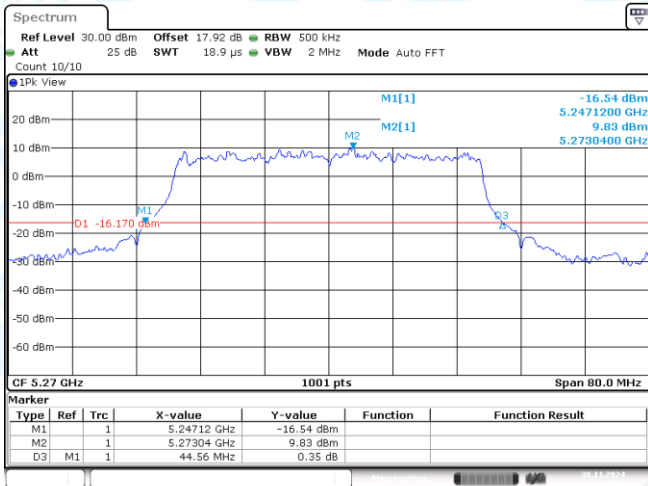
11AX20ISO-Ant1-5700



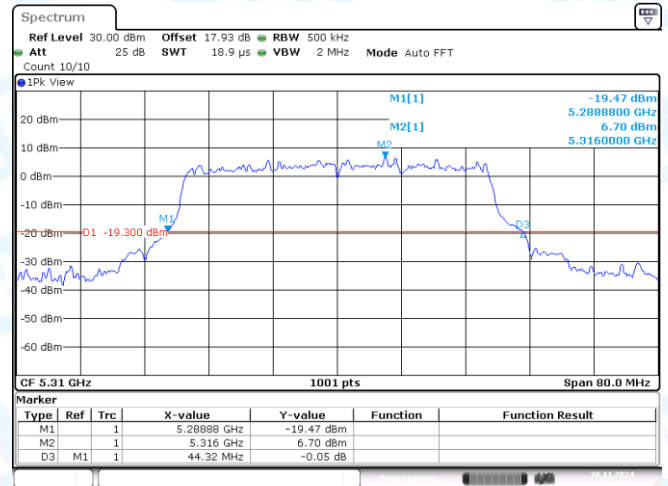
11AX40ISO-Ant1-5190



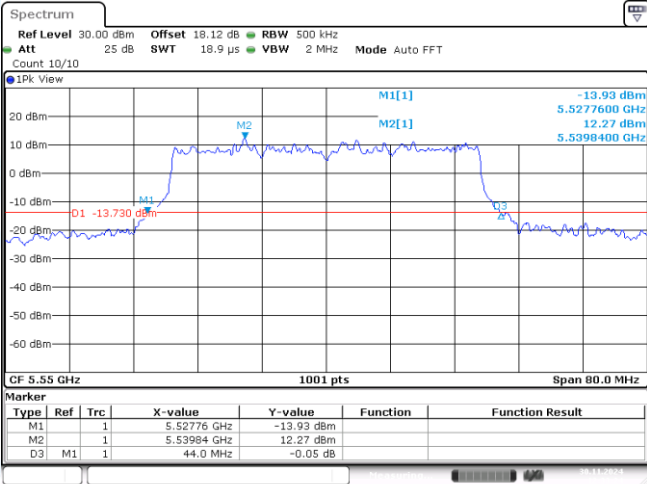
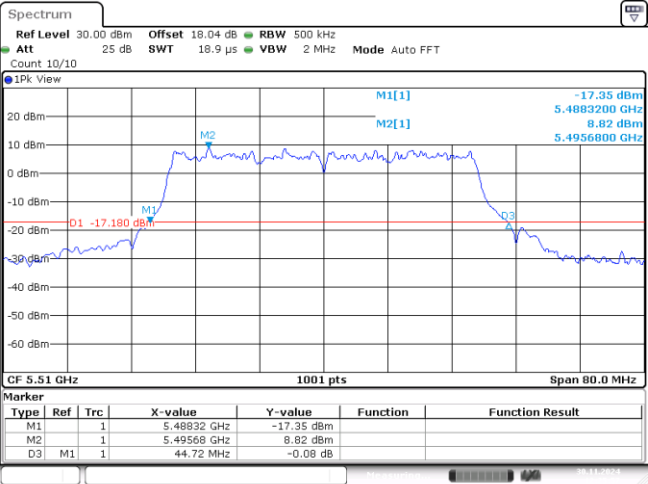
11AX40ISO-Ant1-5230



11AX40ISO-Ant1-5270



11AX40ISO-Ant1-5310



11AX40SISO-Ant1-5510

11AX40SISO-Ant1-5550



11AX40SISO-Ant1-5670

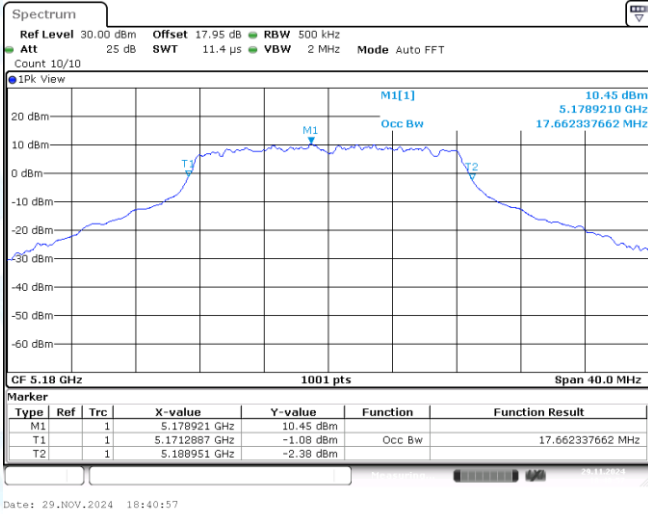
2: Occupied channel bandwidth

2.1 Test Result

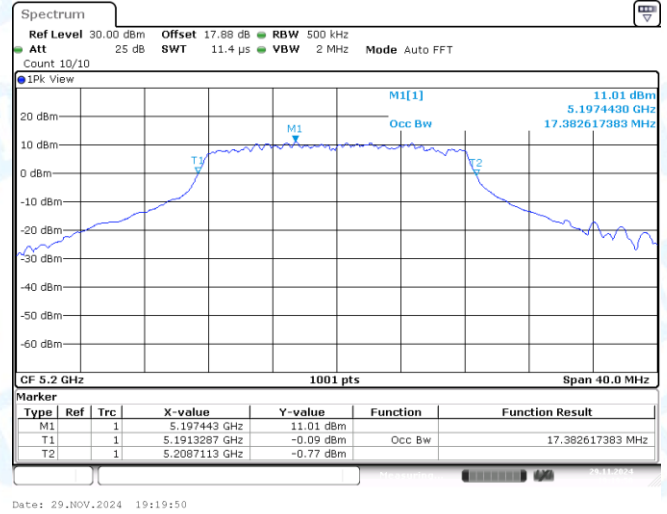
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.662	5171.2887	5188.9510	---	---
11A	Ant1	5200	17.383	5191.3287	5208.7113	---	---
11A	Ant1	5240	17.622	5231.2488	5248.8711	---	---
11A	Ant1	5260	17.742	5250.7692	5268.5115	---	---
11A	Ant1	5280	17.662	5271.0889	5288.7512	---	---
11A	Ant1	5320	17.582	5311.2887	5328.8711	---	---
11A	Ant1	5500	18.142	5490.6893	5508.8312	---	---
11A	Ant1	5580	17.902	5571.2887	5589.1908	---	---
11A	Ant1	5700	18.382	5690.6494	5709.0310	---	---
11A	Ant1	5745	18.342	5735.4496	5753.7912	---	---
11A	Ant1	5785	18.541	5775.1698	5793.7113	---	---
11A	Ant1	5825	17.822	5816.0889	5833.9111	---	---
11N20SISO	Ant1	5180	18.661	5170.6893	5189.3506	---	---
11N20SISO	Ant1	5200	18.581	5190.7293	5209.3107	---	---
11N20SISO	Ant1	5240	19.301	5230.2098	5249.5105	---	---
11N20SISO	Ant1	5260	18.901	5250.6893	5269.5904	---	---
11N20SISO	Ant1	5280	19.66	5270.7293	5290.3896	---	---
11N20SISO	Ant1	5320	18.901	5310.8092	5329.7103	---	---
11N20SISO	Ant1	5500	20.02	5490.6094	5510.6294	---	---
11N20SISO	Ant1	5580	19.181	5570.5295	5589.7103	---	---
11N20SISO	Ant1	5700	19.78	5689.9301	5709.7103	---	---
11N20SISO	Ant1	5745	19.141	5735.2498	5754.3906	---	---
11N20SISO	Ant1	5785	19.461	5774.8901	5794.3506	---	---
11N20SISO	Ant1	5825	19.101	5815.4496	5834.5504	---	---
11N40SISO	Ant1	5190	37.642	5171.4585	5209.1009	---	---
11N40SISO	Ant1	5230	36.923	5211.7782	5248.7013	---	---
11N40SISO	Ant1	5270	37.083	5251.4585	5288.5415	---	---
11N40SISO	Ant1	5310	36.843	5291.5385	5328.3816	---	---
11N40SISO	Ant1	5510	37.083	5491.6184	5528.7013	---	---
11N40SISO	Ant1	5550	37.722	5530.9790	5568.7013	---	---
11N40SISO	Ant1	5670	37.243	5651.3786	5688.6214	---	---
11N40SISO	Ant1	5755	37.163	5736.4585	5773.6214	---	---
11N40SISO	Ant1	5795	38.202	5775.6593	5813.8611	---	---
11AC20SISO	Ant1	5180	18.501	5170.8492	5189.3506	---	---
11AC20SISO	Ant1	5200	18.581	5190.6094	5209.1908	---	---
11AC20SISO	Ant1	5240	18.621	5230.6494	5249.2707	---	---
11AC20SISO	Ant1	5260	18.861	5250.5694	5269.4306	---	---
11AC20SISO	Ant1	5280	18.661	5270.6494	5289.3107	---	---
11AC20SISO	Ant1	5320	18.581	5310.6893	5329.2707	---	---
11AC20SISO	Ant1	5500	19.221	5490.1299	5509.3506	---	---
11AC20SISO	Ant1	5580	20.02	5569.6503	5589.6703	---	---

11AC20SISO	Ant1	5700	19.181	5690.3696	5709.5504	---	---
11AC20SISO	Ant1	5745	19.82	5734.6903	5754.5105	---	---
11AC20SISO	Ant1	5785	18.901	5775.4096	5794.3107	---	---
11AC20SISO	Ant1	5825	19.78	5815.0899	5834.8701	---	---
11AC40SISO	Ant1	5190	36.763	5171.6983	5208.4615	---	---
11AC40SISO	Ant1	5230	37.083	5211.6184	5248.7013	---	---
11AC40SISO	Ant1	5270	36.923	5251.6983	5288.6214	---	---
11AC40SISO	Ant1	5310	37.083	5291.5385	5328.6214	---	---
11AC40SISO	Ant1	5510	37.243	5491.4585	5528.7013	---	---
11AC40SISO	Ant1	5550	38.282	5530.9790	5569.2607	---	---
11AC40SISO	Ant1	5670	37.483	5651.4585	5688.9411	---	---
11AC40SISO	Ant1	5755	37.642	5735.9790	5773.6214	---	---
11AC40SISO	Ant1	5795	37.802	5775.8192	5813.6214	---	---
11AX20SISO	Ant1	5180	19.341	5170.3696	5189.7103	---	---
11AX20SISO	Ant1	5200	19.9	5190.0500	5209.9500	---	---
11AX20SISO	Ant1	5240	19.54	5230.3297	5249.8701	---	---
11AX20SISO	Ant1	5260	19.5	5250.2498	5269.7502	---	---
11AX20SISO	Ant1	5280	19.58	5270.0100	5289.5904	---	---
11AX20SISO	Ant1	5320	19.141	5310.4496	5329.5904	---	---
11AX20SISO	Ant1	5500	19.58	5490.1698	5509.7502	---	---
11AX20SISO	Ant1	5580	19.58	5570.1698	5589.7502	---	---
11AX20SISO	Ant1	5700	19.82	5689.8901	5709.7103	---	---
11AX20SISO	Ant1	5745	20.22	5734.3706	5754.5904	---	---
11AX20SISO	Ant1	5785	19.421	5775.2498	5794.6703	---	---
11AX20SISO	Ant1	5825	19.86	5814.9301	5834.7902	---	---
11AX40SISO	Ant1	5190	37.962	5171.0589	5209.0210	---	---
11AX40SISO	Ant1	5230	38.282	5210.8192	5249.1009	---	---
11AX40SISO	Ant1	5270	38.042	5250.8991	5288.9411	---	---
11AX40SISO	Ant1	5310	38.202	5290.8991	5329.1009	---	---
11AX40SISO	Ant1	5510	38.601	5490.7393	5529.3407	---	---
11AX40SISO	Ant1	5550	38.921	5530.8192	5569.7403	---	---
11AX40SISO	Ant1	5670	38.601	5650.8991	5689.5005	---	---
11AX40SISO	Ant1	5755	38.442	5735.5794	5774.0210	---	---
11AX40SISO	Ant1	5795	38.681	5775.5794	5814.2607	---	---

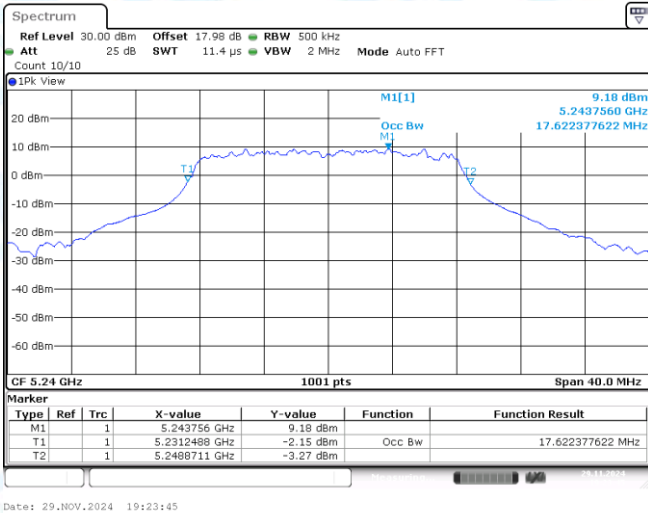
2.2 Test Graphs



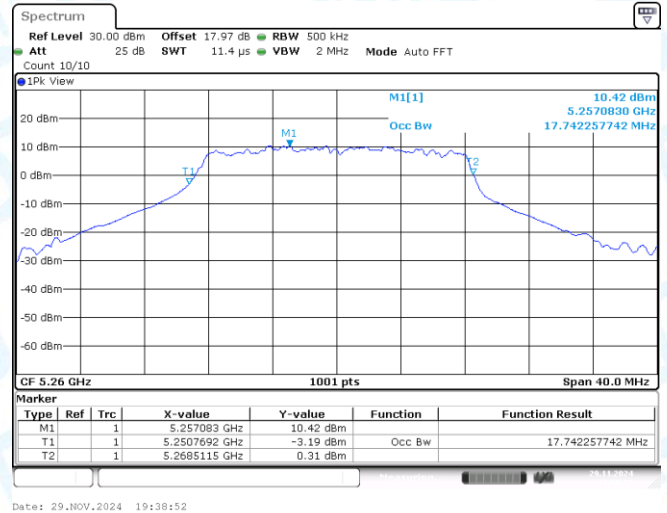
11A-Ant1-5180



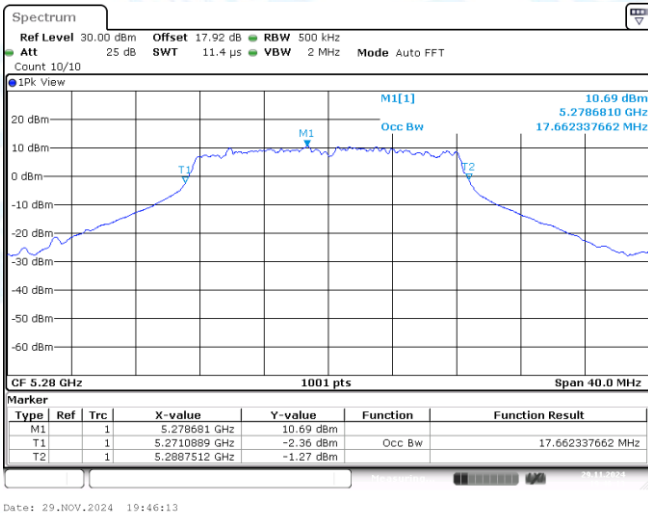
11A-Ant1-5200



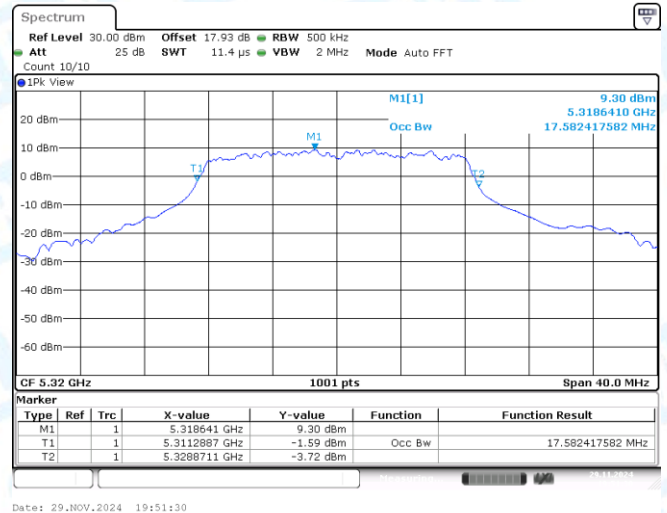
11A-Ant1-5240



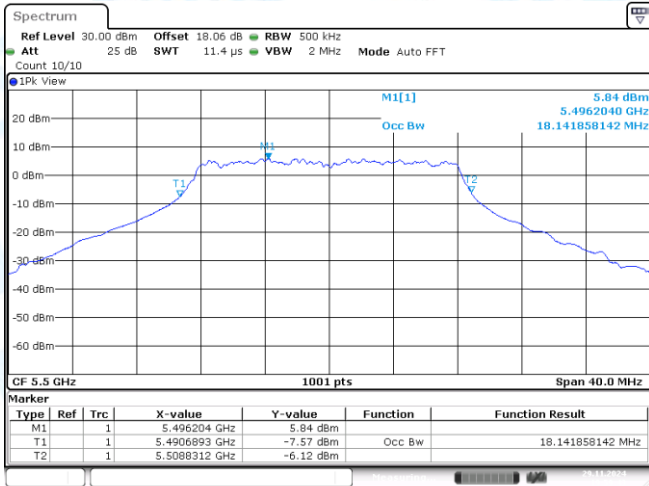
11A-Ant1-5260



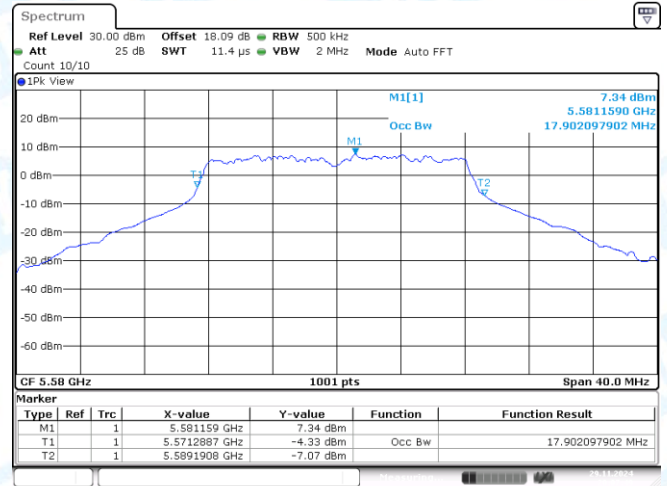
11A-Ant1-5280



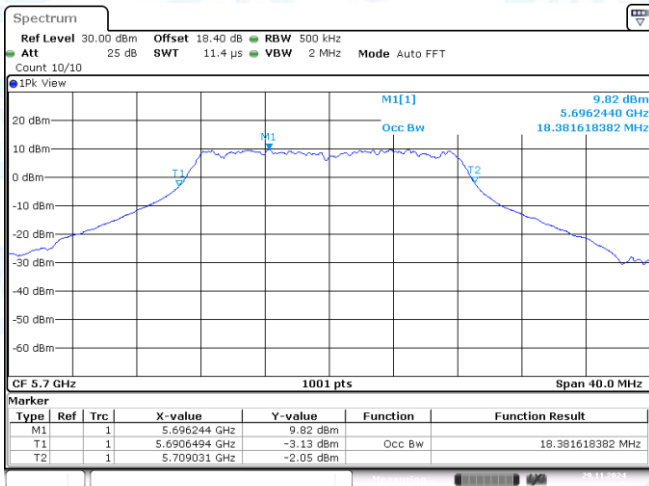
11A-Ant1-5320



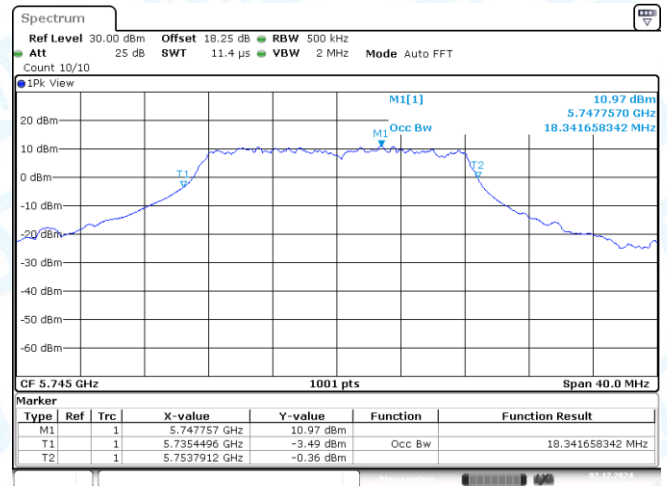
11A-Ant1-5500



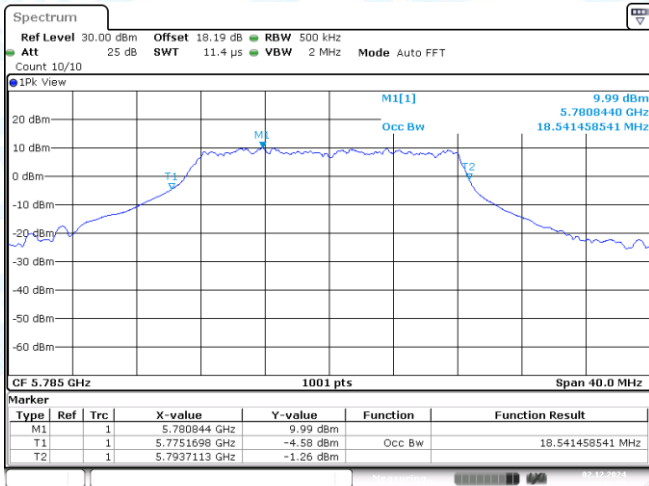
11A-Ant1-5580



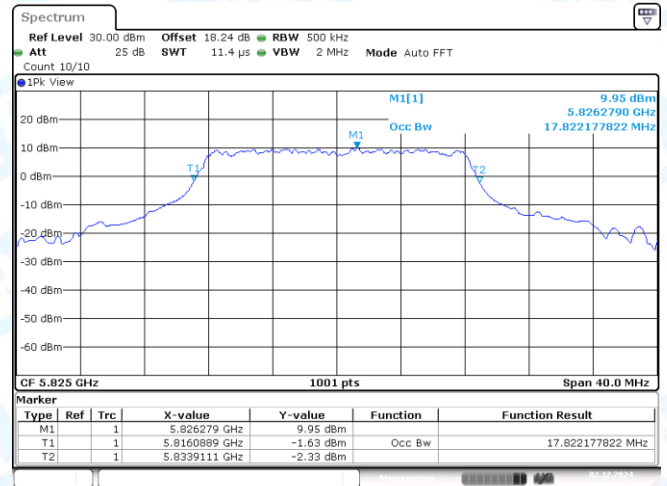
11A-Ant1-5700



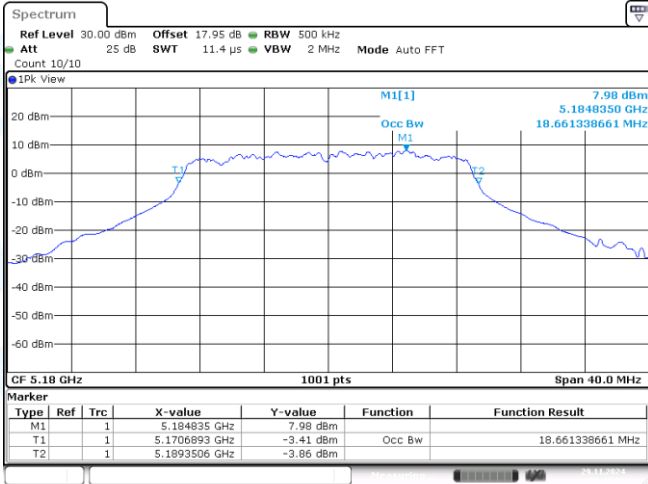
11A-Ant1-5745



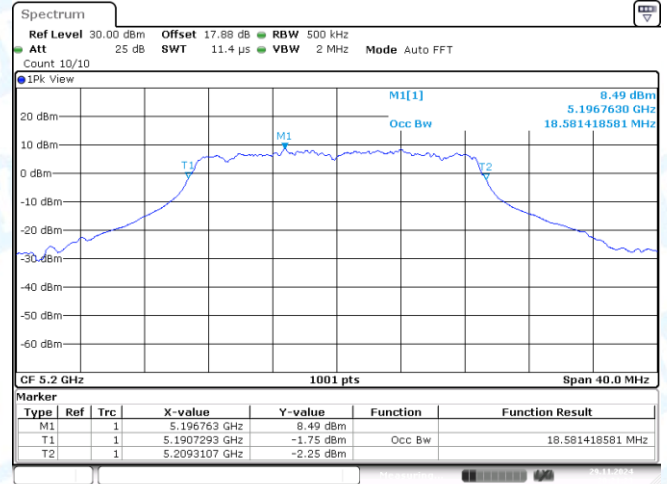
11A-Ant1-5785



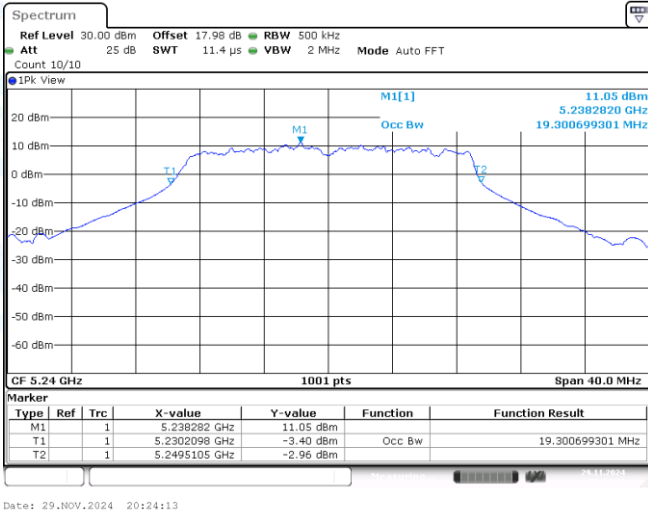
11A-Ant1-5825



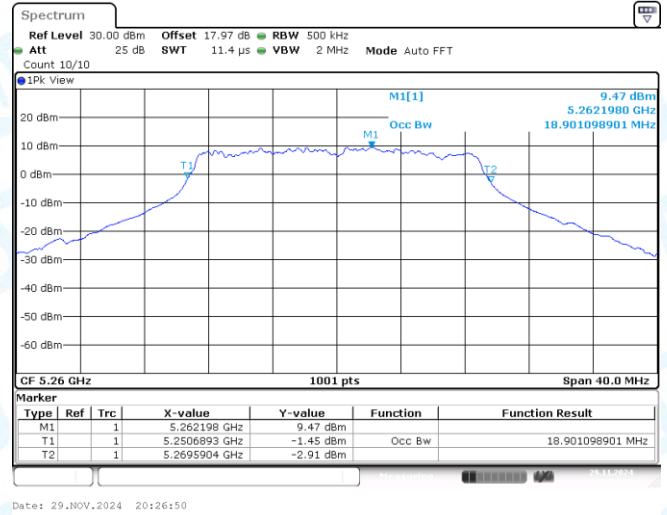
11N20SISO-Ant1-5180



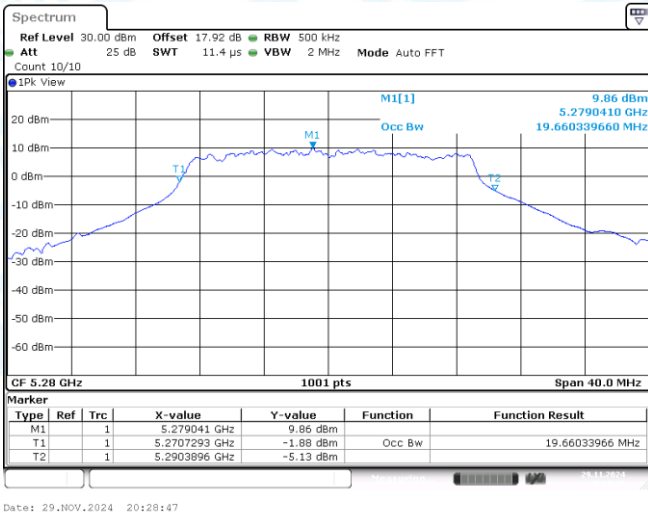
11N20SISO-Ant1-5200



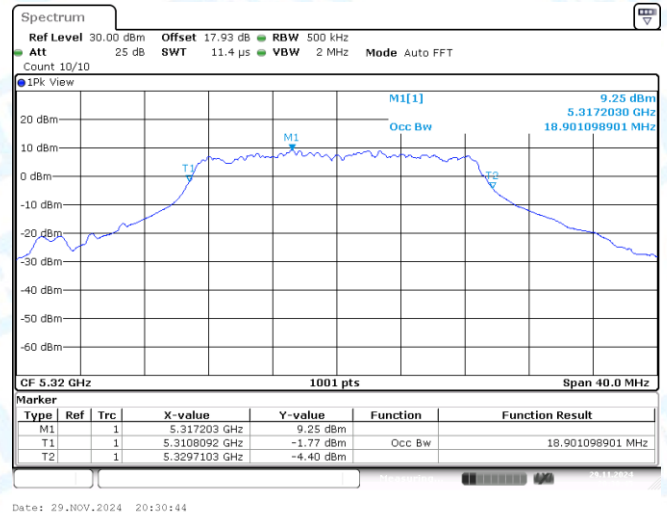
11N20SISO-Ant1-5240



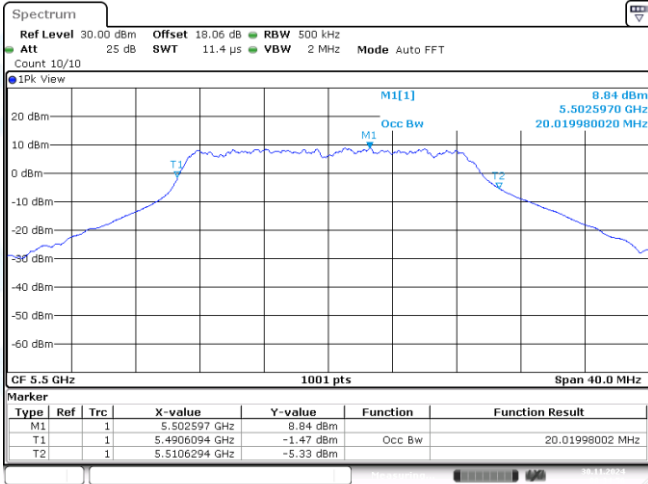
11N20SISO-Ant1-5260



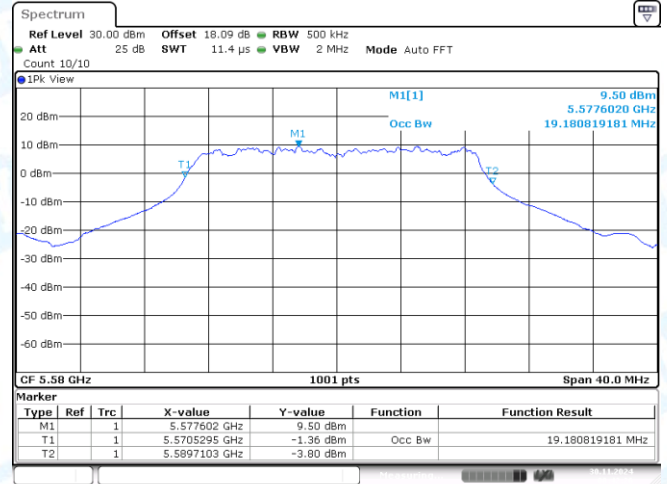
11N20SISO-Ant1-5280



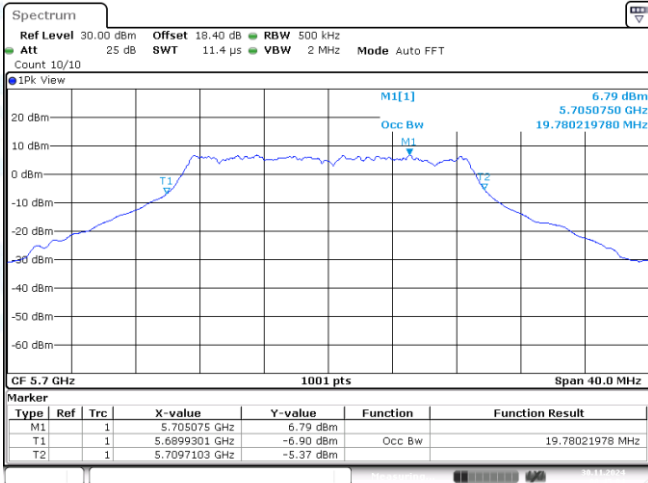
11N20SISO-Ant1-5320



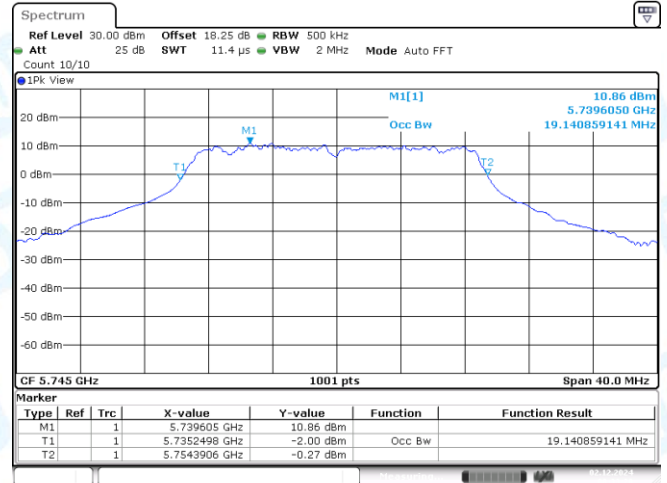
11N20SISO-Ant1-5500



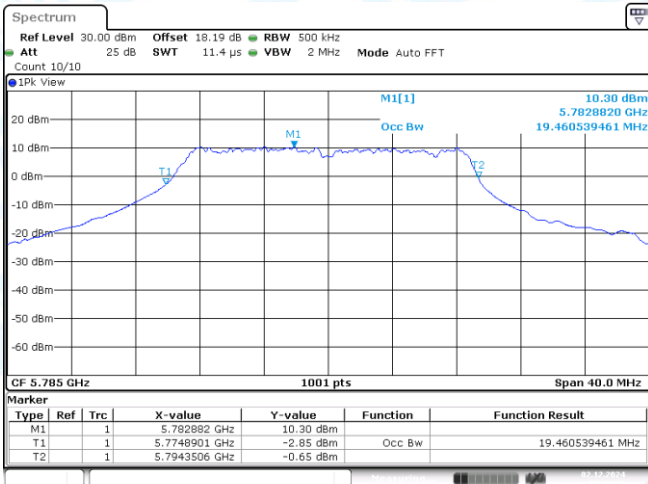
11N20SISO-Ant1-5580



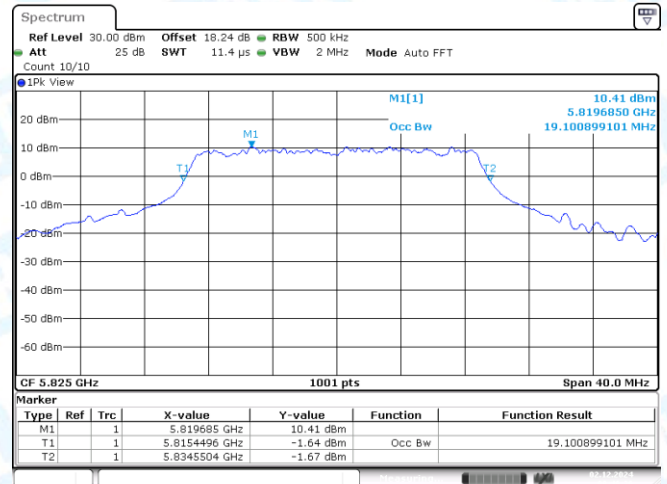
11N20SISO-Ant1-5700



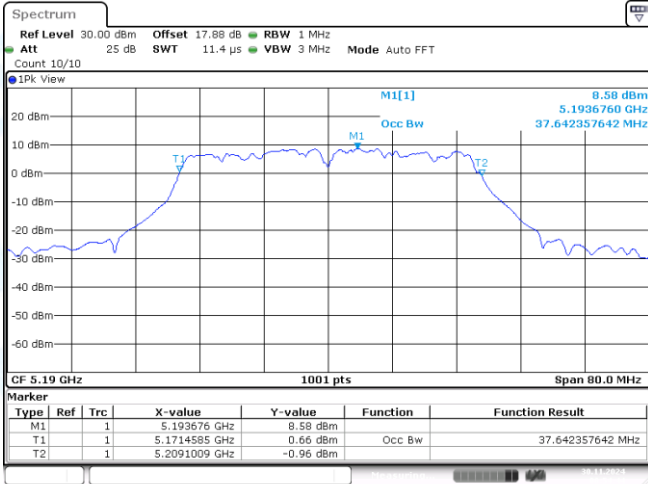
11N20SISO-Ant1-5745



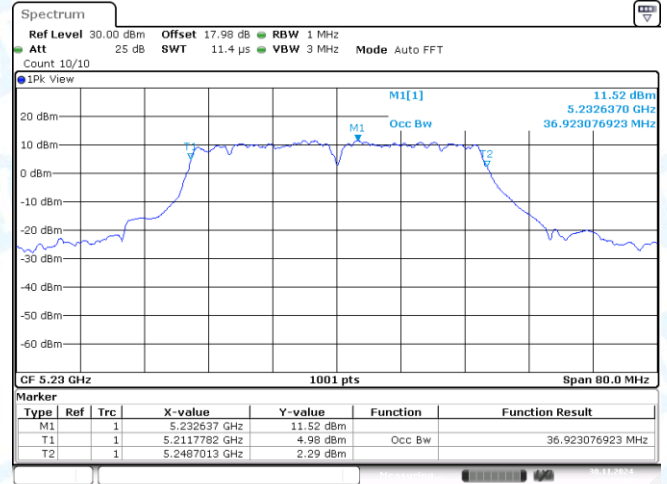
11N20SISO-Ant1-5785



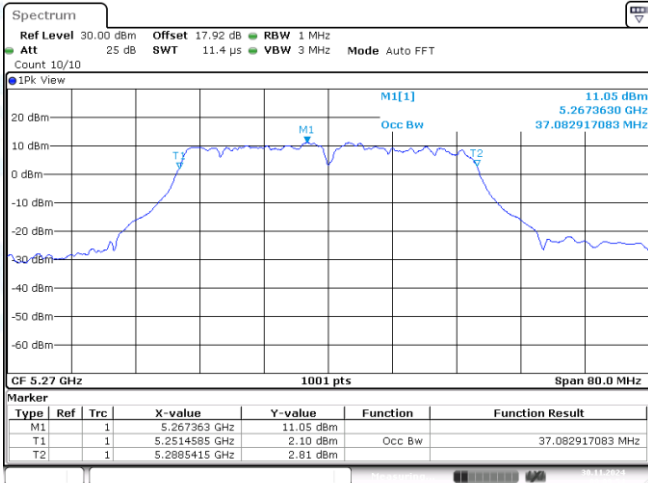
11N20SISO-Ant1-5825



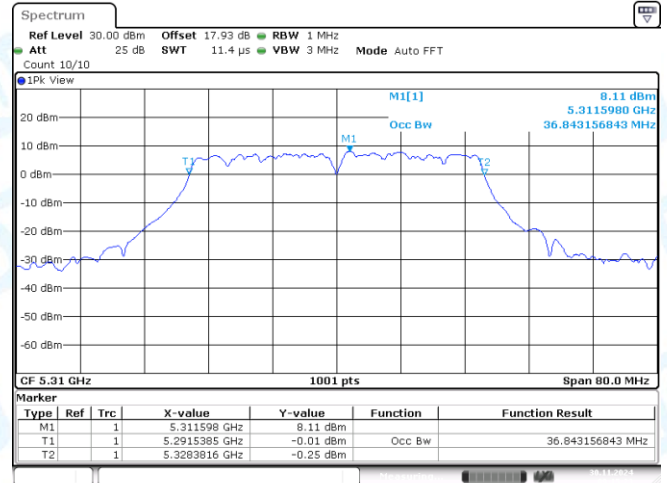
11N40SISO-Ant1-5190



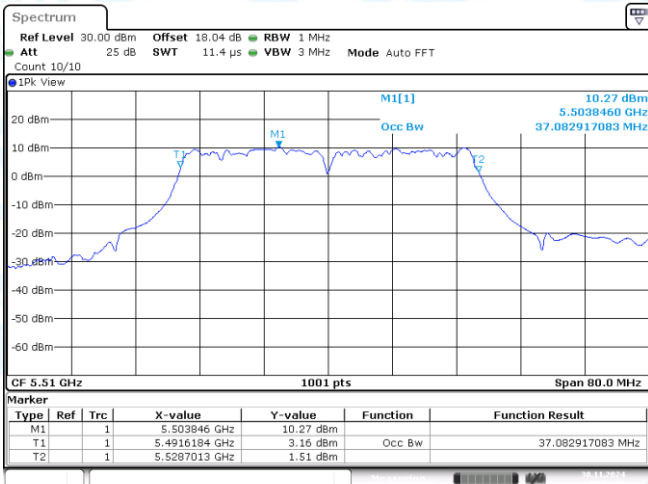
11N40SISO-Ant1-5230



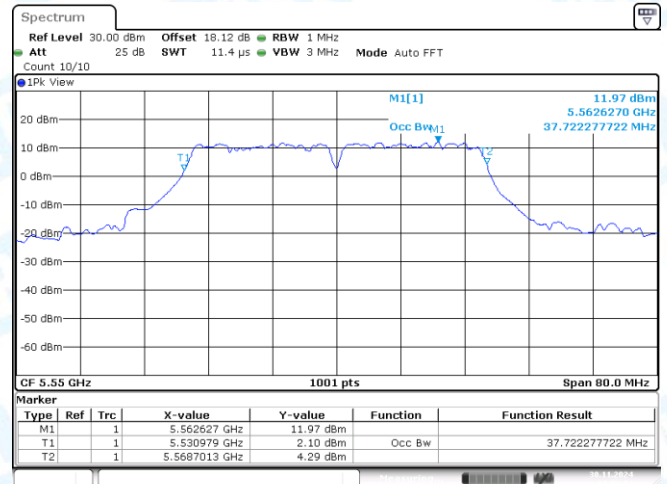
11N40SISO-Ant1-5270



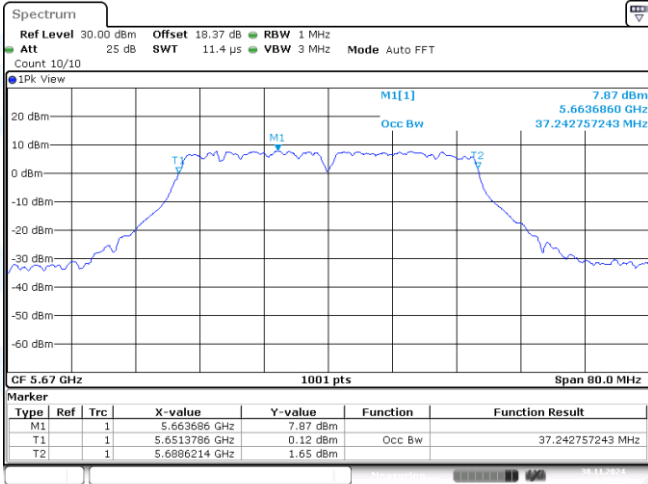
11N40SISO-Ant1-5310



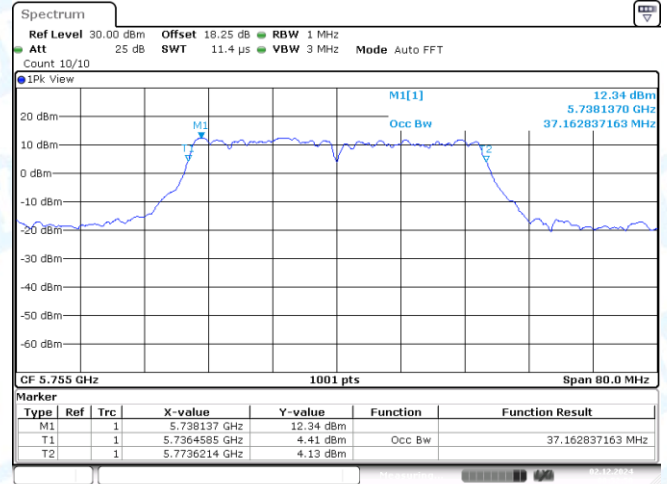
11N40SISO-Ant1-5510



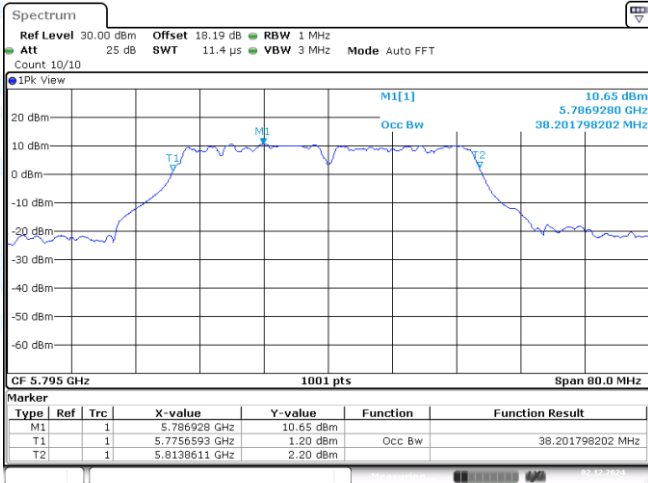
11N40SISO-Ant1-5550



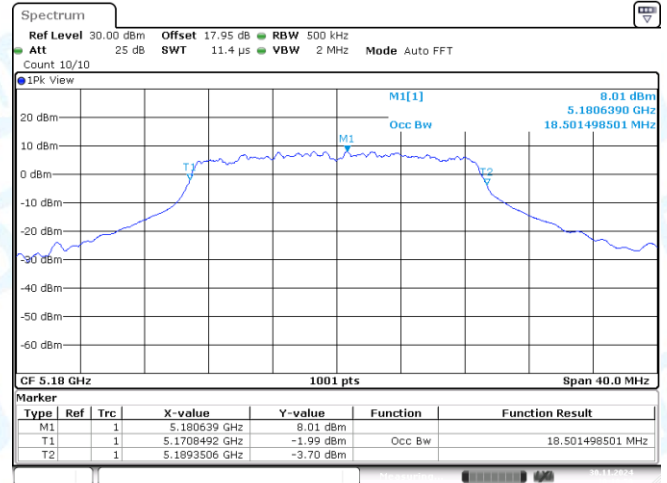
11N40SISO-Ant1-5670



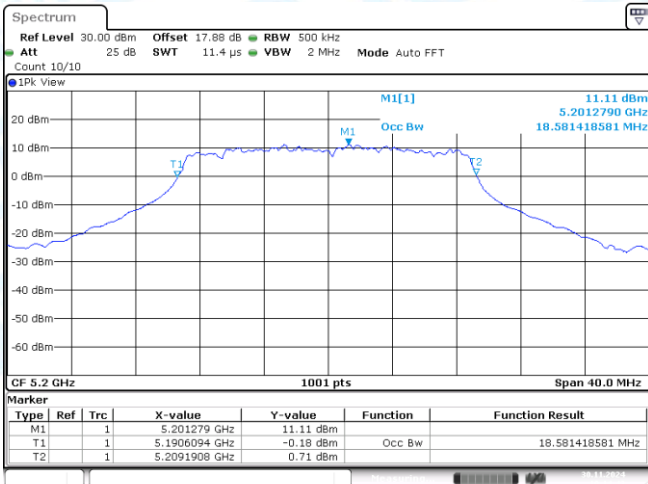
11N40SISO-Ant1-5755



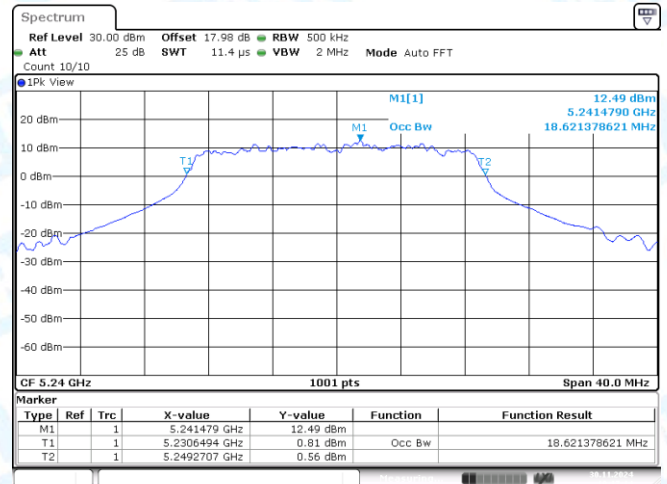
11N40SISO-Ant1-5795



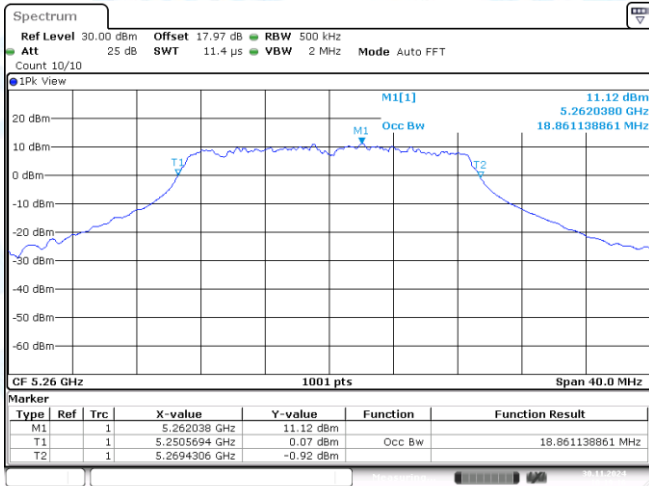
11AC20SISO-Ant1-5180



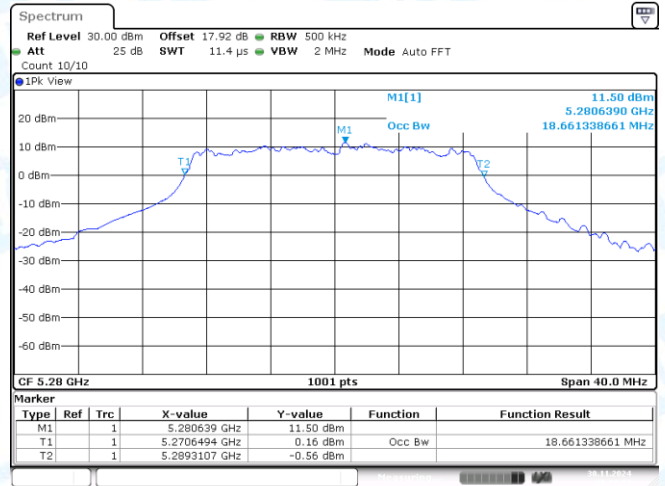
11AC20SISO-Ant1-5200



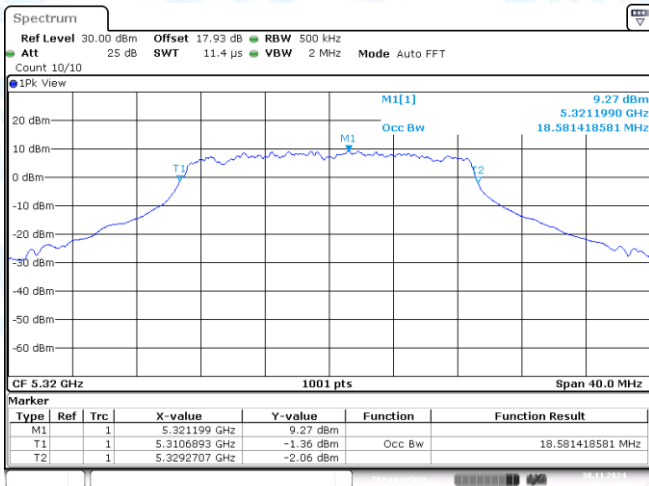
11AC20SISO-Ant1-5240



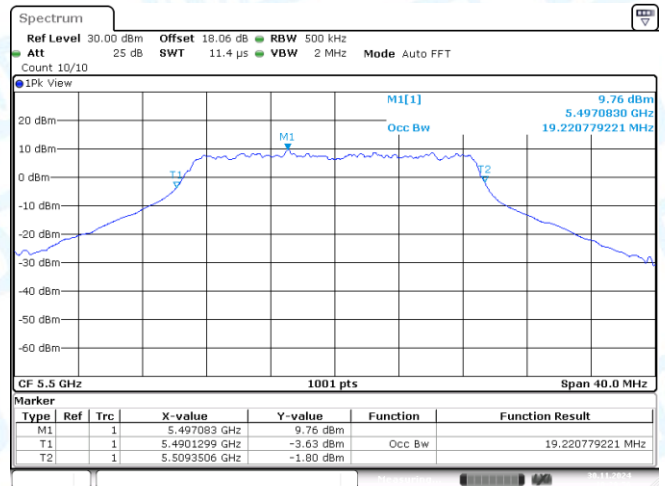
11AC20SISO-Ant1-5260



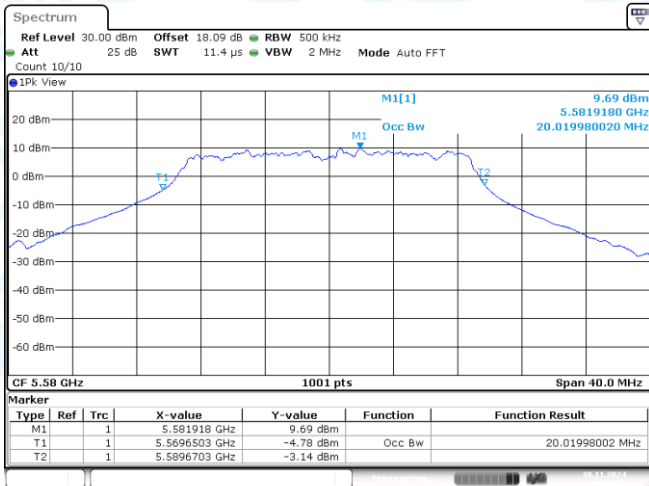
11AC20SISO-Ant1-5280



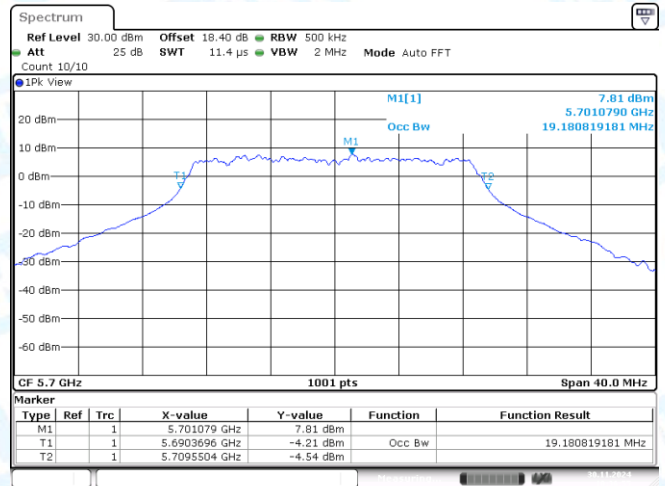
11AC20SISO-Ant1-5320



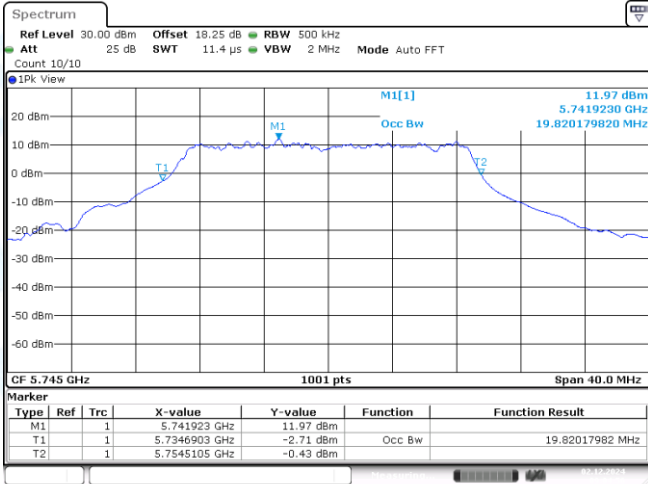
11AC20SISO-Ant1-5500



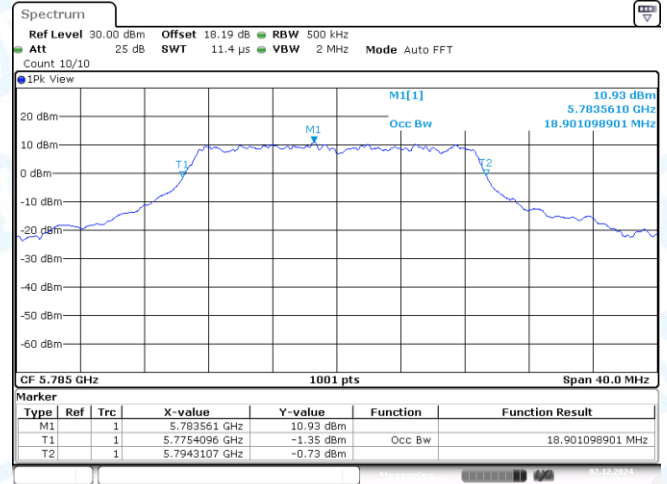
11AC20SISO-Ant1-5580



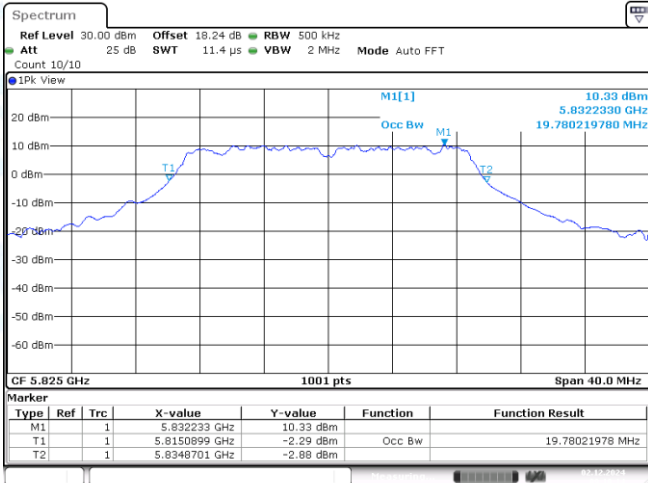
11AC20SISO-Ant1-5700



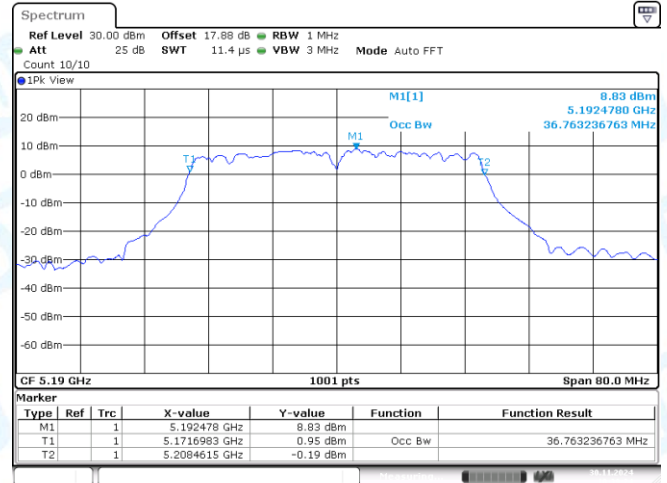
11AC20SISO-Ant1-5745



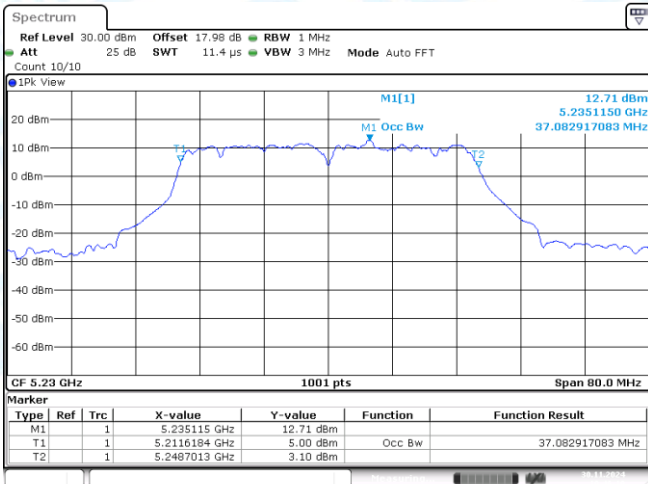
11AC20SISO-Ant1-5785



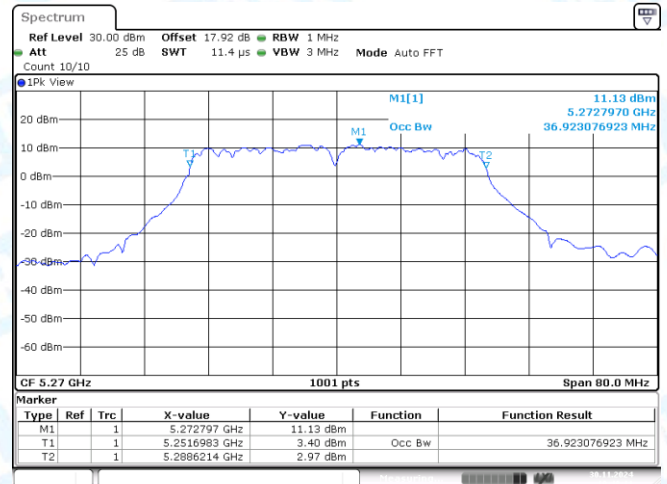
11AC20SISO-Ant1-5825



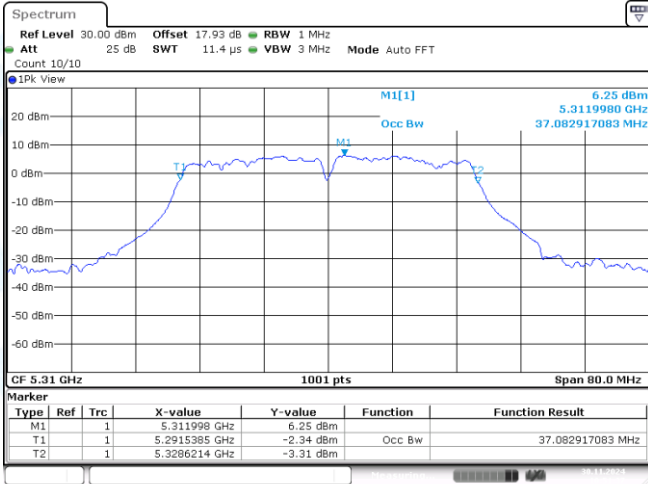
11AC40SISO-Ant1-5190



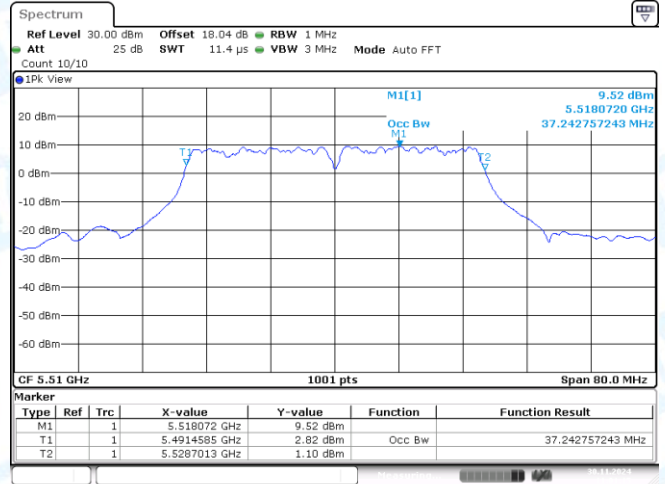
11AC40SISO-Ant1-5230



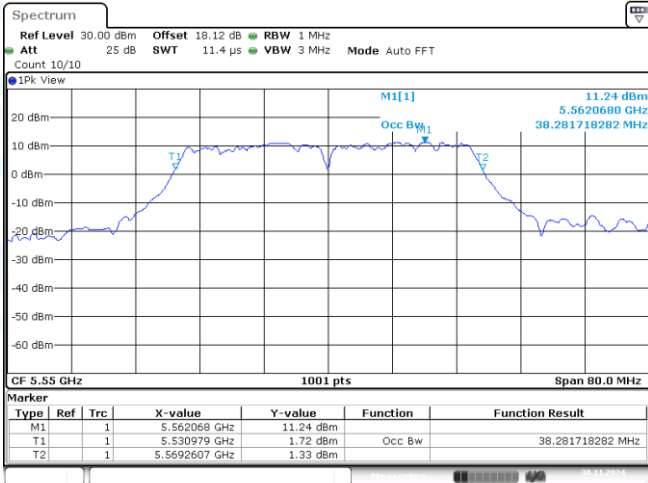
11AC40SISO-Ant1-5270



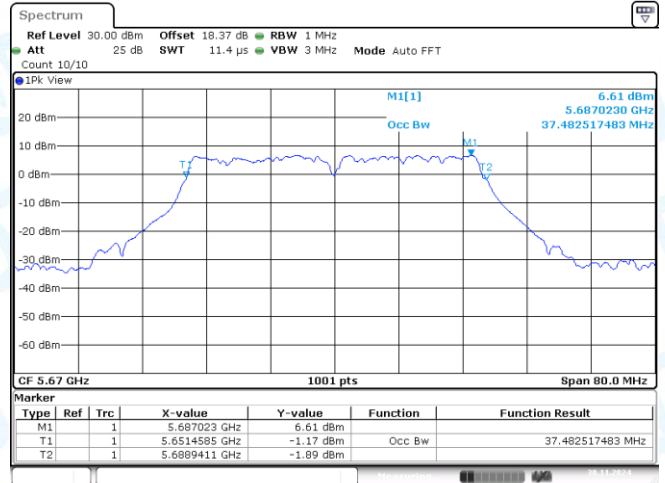
11AC40SISO-Ant1-5310



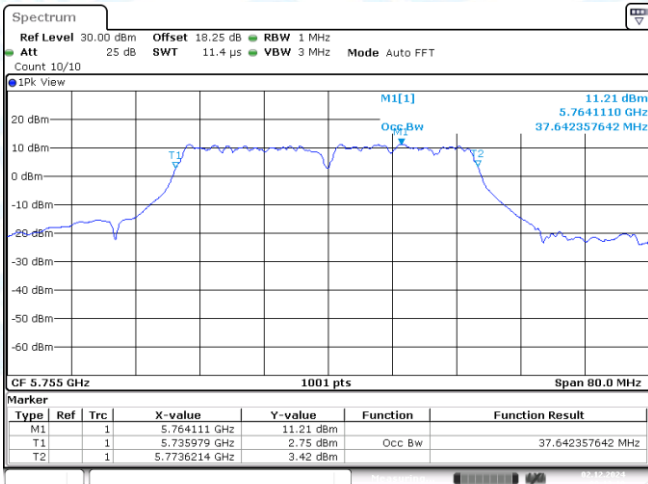
11AC40SISO-Ant1-5510



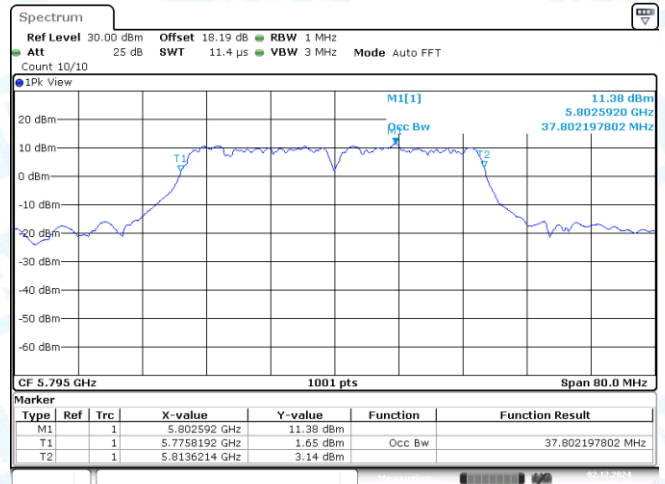
11AC40SISO-Ant1-5550



11AC40SISO-Ant1-5670



11AC40SISO-Ant1-5755



11AC40SISO-Ant1-5795