

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

General Description of EUT	
EUT Name:	Security Indoor Cam
Model:	CM-C2U
Sample ID:	HC-C-202412-0172-01-01
Test Standard:	FCC Part 15.407
Environmental Conditions	
Ambient Temperature:	24.2℃
Ambient Humidity:	47%RH
Test Power Supply:	DC 5V
Test Engineer:	Rick chen
Note: For a more detailed features description, please refer to the report TBR-C-202412-0172-12	

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
7.3 Test Graphs B1/2/3	67
8: Conducted Spurious Emission	72
8.1 Test Result	72
8.2 Test Graphs	76
9: Frequency Stability	101
9.1 Test Result	101
10: Emissions in Restricted Bands	113
10.1 Test Result	113
10.2 Test Graphs	118

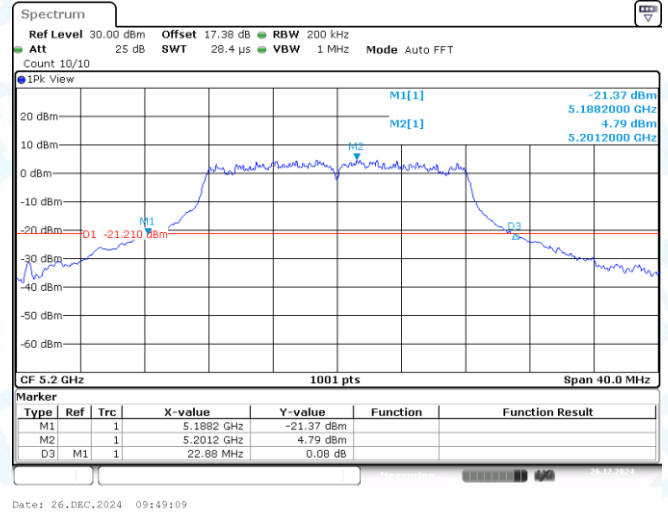
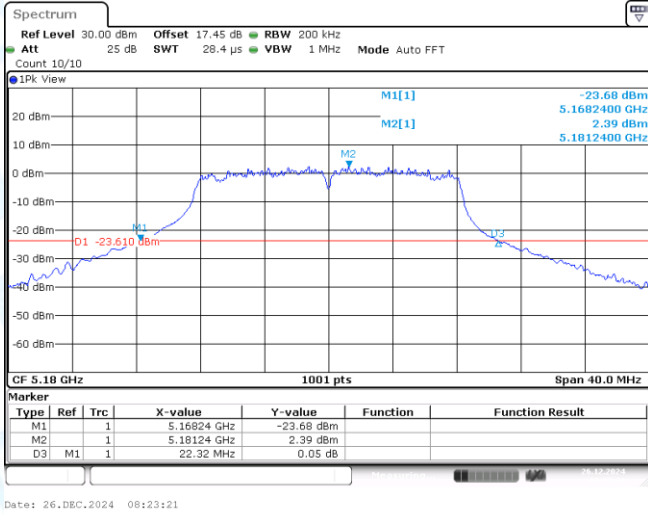
1: Emission Bandwidth

1.1 Test Result

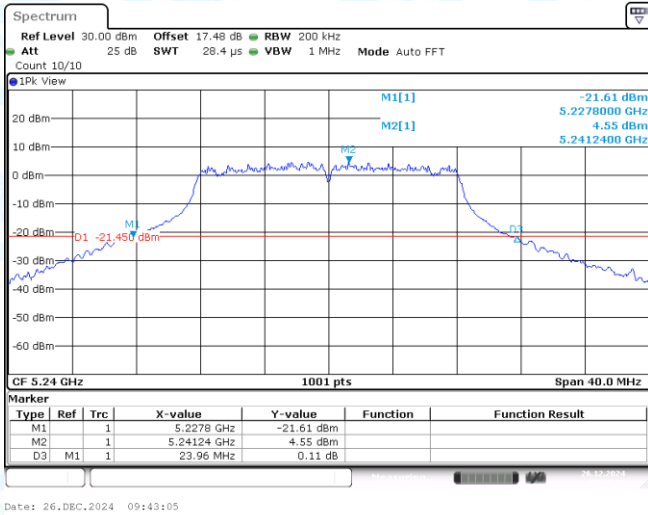
TestMode	Antenna	Frequency[MHz]	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	22.32	5168.24	5190.56	---	---
11A	Ant1	5200	22.88	5188.20	5211.08	---	---
11A	Ant1	5240	23.96	5227.80	5251.76	---	---
11A	Ant1	5260	22.76	5248.16	5270.92	---	---
11A	Ant1	5280	23.52	5268.32	5291.84	---	---
11A	Ant1	5320	22.92	5308.60	5331.52	---	---
11A	Ant1	5500	24.08	5487.76	5511.84	---	---
11A	Ant1	5580	23.44	5567.68	5591.12	---	---
11A	Ant1	5700	23.28	5688.08	5711.36	---	---
11N20SISO	Ant1	5180	23.28	5168.24	5191.52	---	---
11N20SISO	Ant1	5200	23.04	5188.12	5211.16	---	---
11N20SISO	Ant1	5240	24.04	5228.12	5252.16	---	---
11N20SISO	Ant1	5260	22.76	5248.36	5271.12	---	---
11N20SISO	Ant1	5280	23.40	5267.76	5291.16	---	---
11N20SISO	Ant1	5320	23.84	5307.88	5331.72	---	---
11N20SISO	Ant1	5500	23.80	5488.32	5512.12	---	---
11N20SISO	Ant1	5580	23.12	5568.48	5591.60	---	---
11N20SISO	Ant1	5700	24.28	5687.96	5712.24	---	---
11N40SISO	Ant1	5190	43.12	5168.16	5211.28	---	---
11N40SISO	Ant1	5230	44.00	5208.00	5252.00	---	---
11N40SISO	Ant1	5270	45.04	5247.36	5292.40	---	---
11N40SISO	Ant1	5310	43.84	5287.84	5331.68	---	---
11N40SISO	Ant1	5510	45.60	5487.44	5533.04	---	---
11N40SISO	Ant1	5550	44.88	5528.00	5572.88	---	---
11N40SISO	Ant1	5670	44.64	5646.96	5691.60	---	---
11AC20SISO	Ant1	5180	23.52	5168.24	5191.76	---	---
11AC20SISO	Ant1	5200	23.24	5188.24	5211.48	---	---
11AC20SISO	Ant1	5240	23.44	5228.04	5251.48	---	---
11AC20SISO	Ant1	5260	23.28	5248.52	5271.80	---	---
11AC20SISO	Ant1	5280	23.44	5267.80	5291.24	---	---
11AC20SISO	Ant1	5320	24.12	5308.00	5332.12	---	---
11AC20SISO	Ant1	5500	24.24	5488.00	5512.24	---	---
11AC20SISO	Ant1	5580	24.24	5567.36	5591.60	---	---
11AC20SISO	Ant1	5700	24.72	5687.68	5712.40	---	---
11AC40SISO	Ant1	5190	43.20	5168.88	5212.08	---	---
11AC40SISO	Ant1	5230	45.12	5206.72	5251.84	---	---
11AC40SISO	Ant1	5270	45.60	5247.04	5292.64	---	---
11AC40SISO	Ant1	5310	45.76	5286.48	5332.24	---	---
11AC40SISO	Ant1	5510	44.56	5487.20	5531.76	---	---
11AC40SISO	Ant1	5550	45.20	5526.80	5572.00	---	---
11AC40SISO	Ant1	5670	44.40	5647.44	5691.84	---	---

11AX20SISO	Ant1	5180	23.60	5169.20	5192.80	---	---
11AX20SISO	Ant1	5200	23.44	5188.96	5212.40	---	---
11AX20SISO	Ant1	5240	22.64	5228.76	5251.40	---	---
11AX20SISO	Ant1	5260	22.36	5248.80	5271.16	---	---
11AX20SISO	Ant1	5280	22.36	5268.76	5291.12	---	---
11AX20SISO	Ant1	5320	22.92	5308.44	5331.36	---	---
11AX20SISO	Ant1	5500	22.52	5488.60	5511.12	---	---
11AX20SISO	Ant1	5580	23.32	5568.00	5591.32	---	---
11AX20SISO	Ant1	5700	23.60	5688.68	5712.28	---	---
11AX40SISO	Ant1	5190	43.92	5168.24	5212.16	---	---
11AX40SISO	Ant1	5230	43.60	5208.48	5252.08	---	---
11AX40SISO	Ant1	5270	43.44	5247.92	5291.36	---	---
11AX40SISO	Ant1	5310	44.08	5287.76	5331.84	---	---
11AX40SISO	Ant1	5510	43.76	5487.92	5531.68	---	---
11AX40SISO	Ant1	5550	43.84	5528.40	5572.24	---	---
11AX40SISO	Ant1	5670	43.92	5647.52	5691.44	---	---

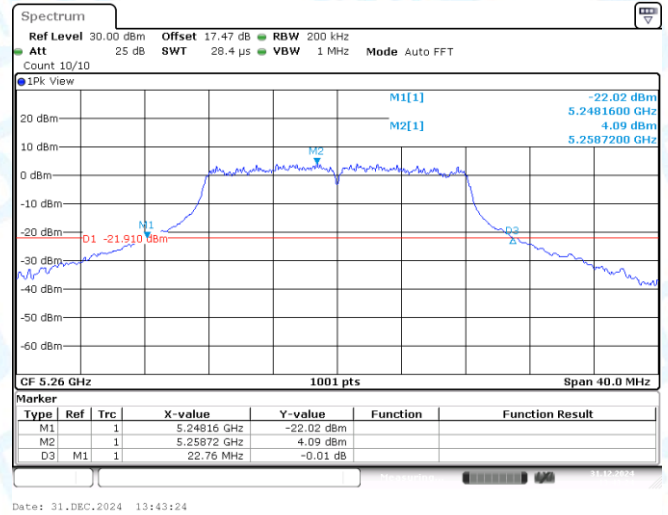
1.2 Test Graphs



11A-Ant1-5180

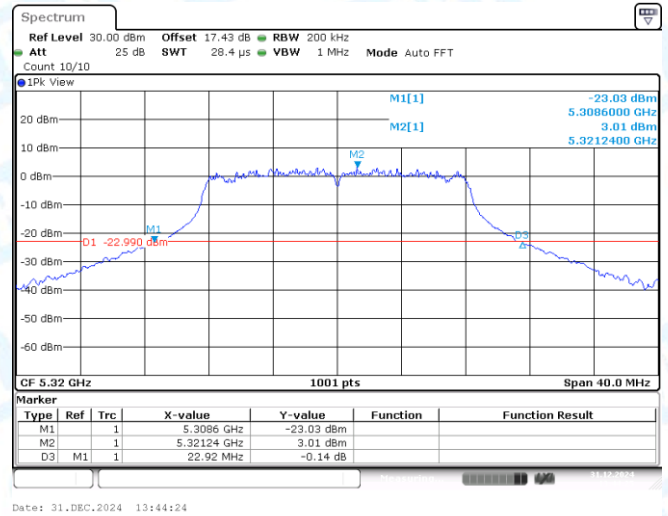
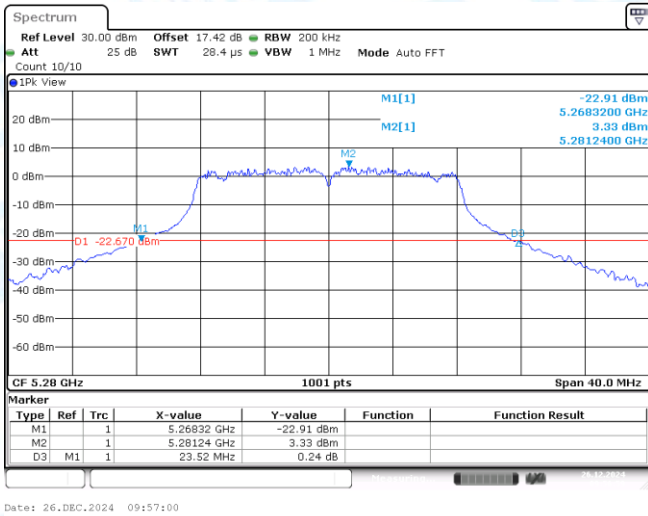


11A-Ant1-5200



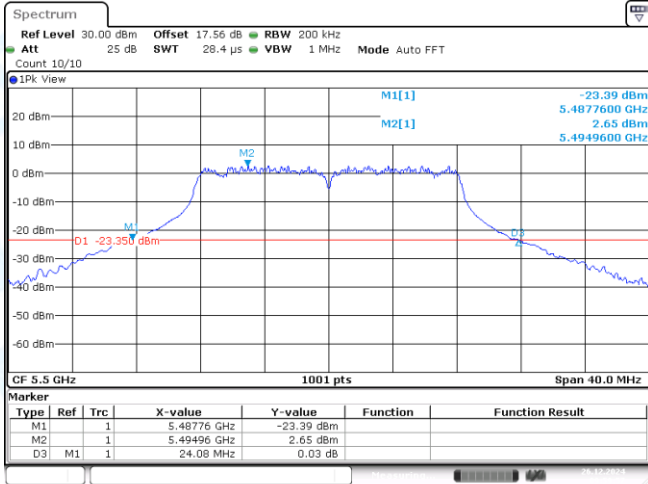
11A-Ant1-5240

11A-Ant1-5260

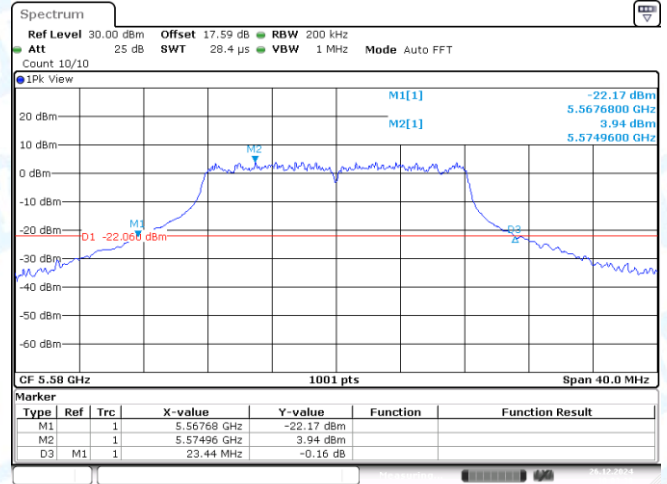


11A-Ant1-5280

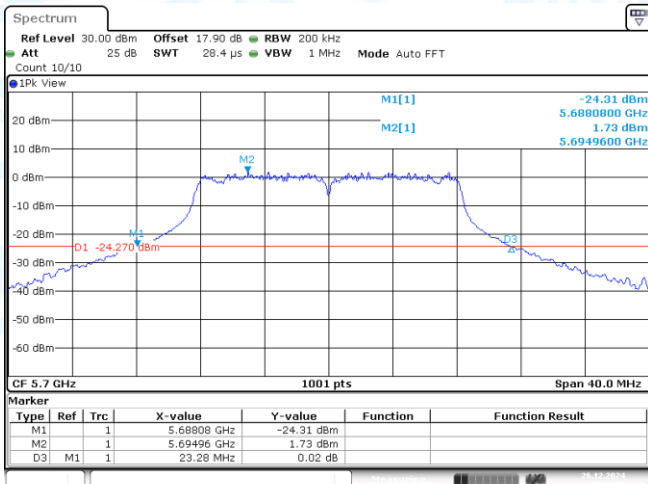
11A-Ant1-5320



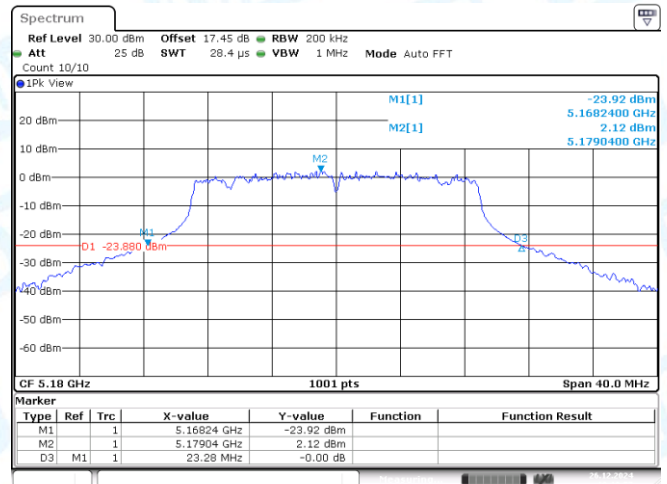
11A-Ant1-5500



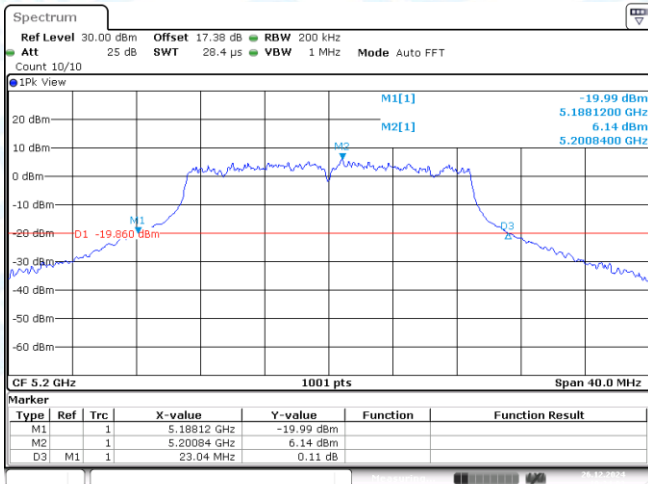
11A-Ant1-5580



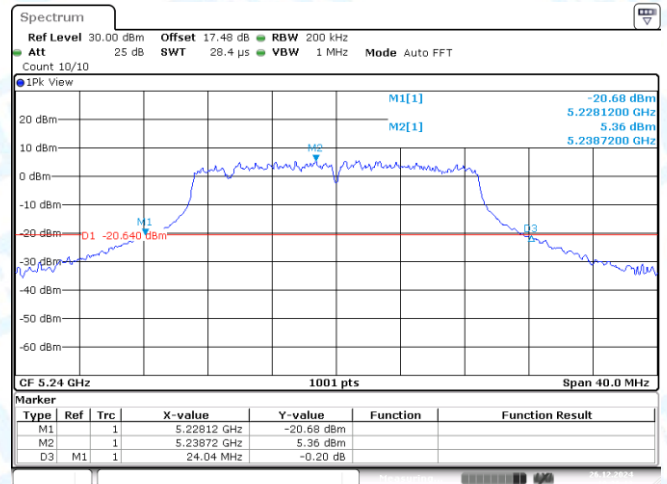
11A-Ant1-5700



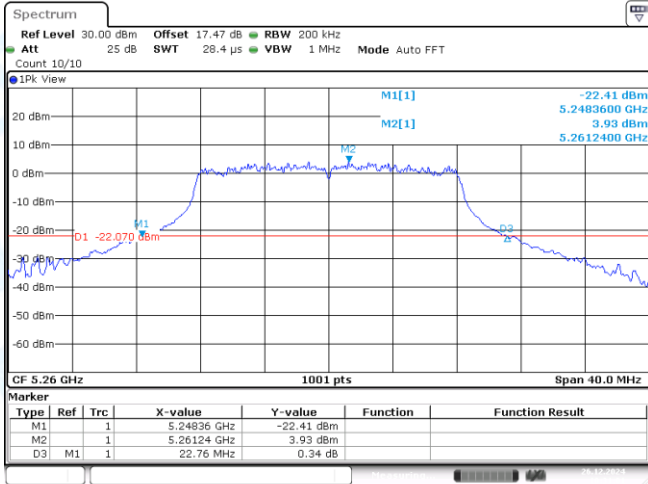
11N20SISO-Ant1-5180



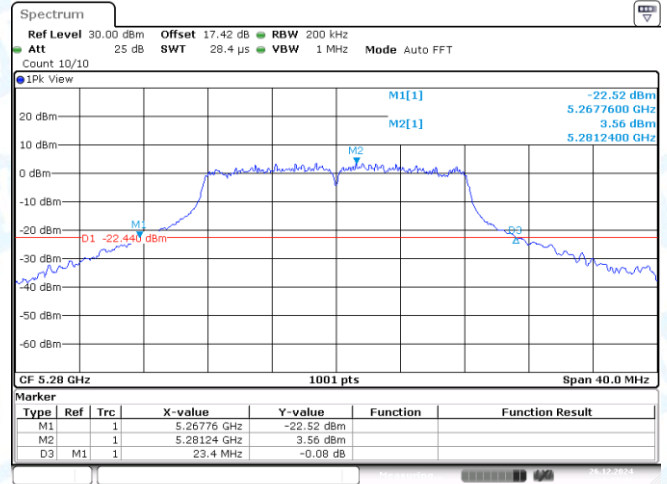
11N20SISO-Ant1-5200



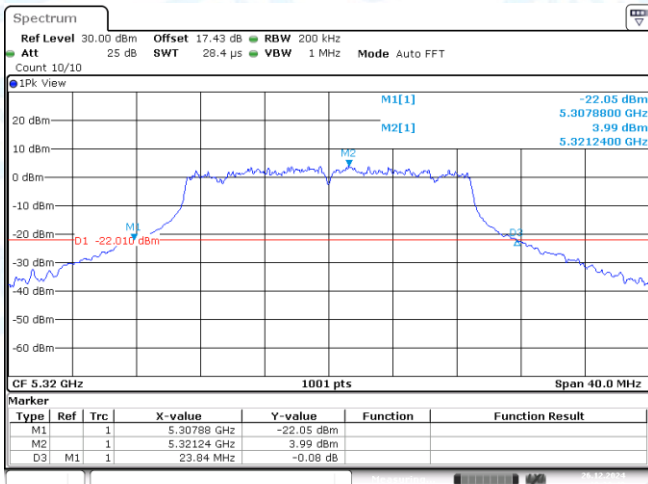
11N20SISO-Ant1-5240



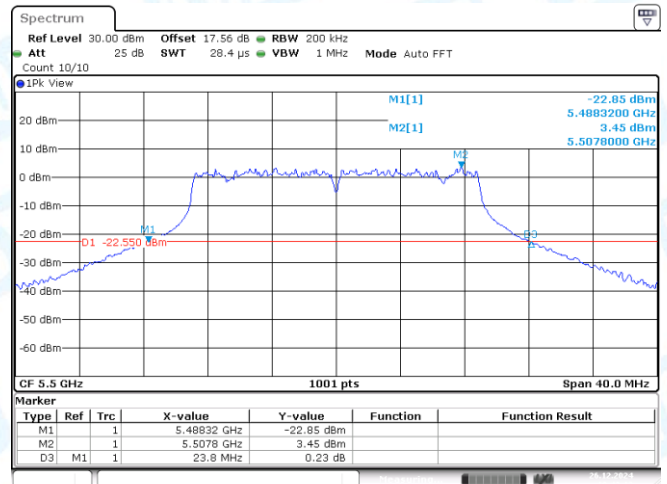
11N20SISO-Ant1-5260



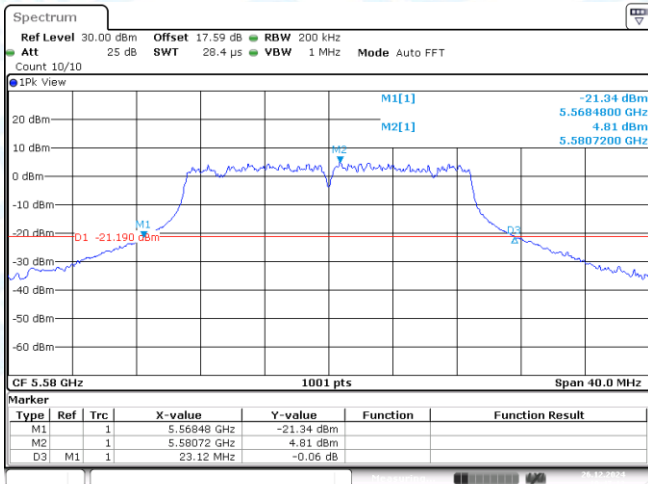
11N20SISO-Ant1-5280



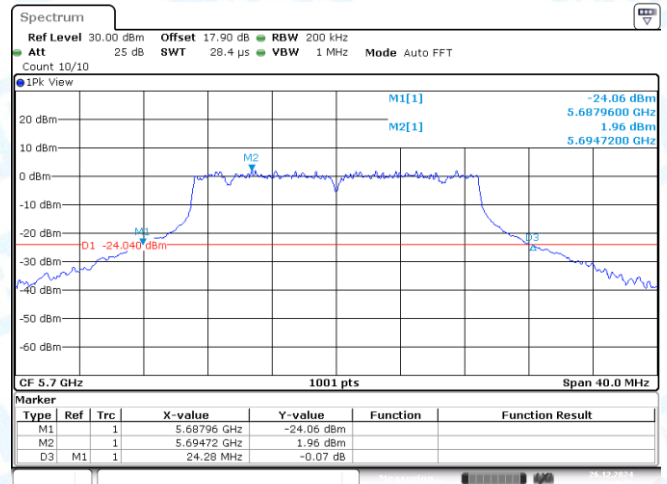
11N20SISO-Ant1-5320



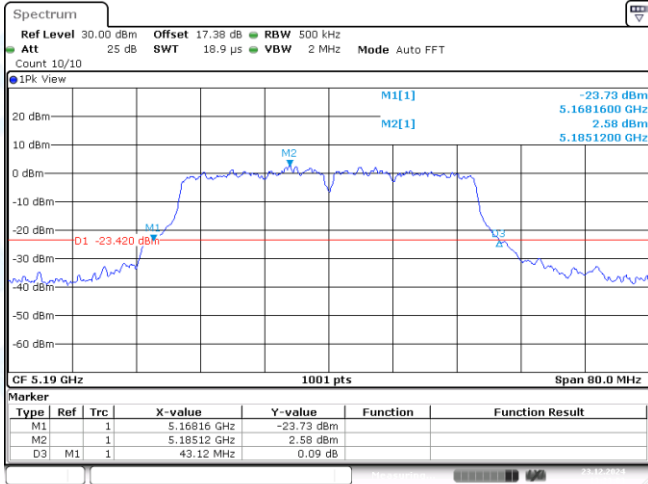
11N20SISO-Ant1-5500



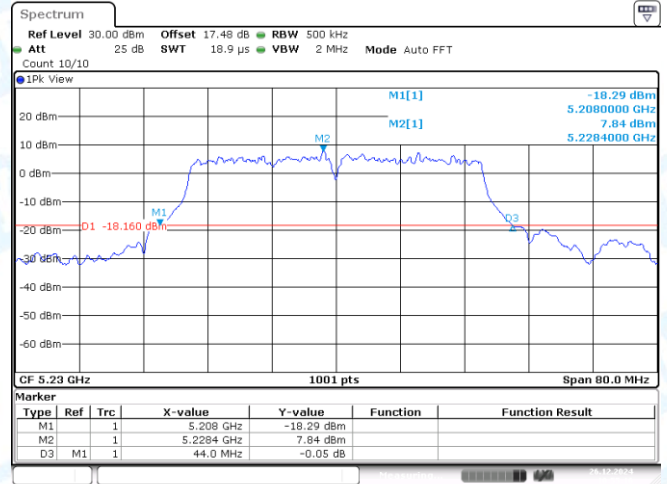
11N20SISO-Ant1-5580



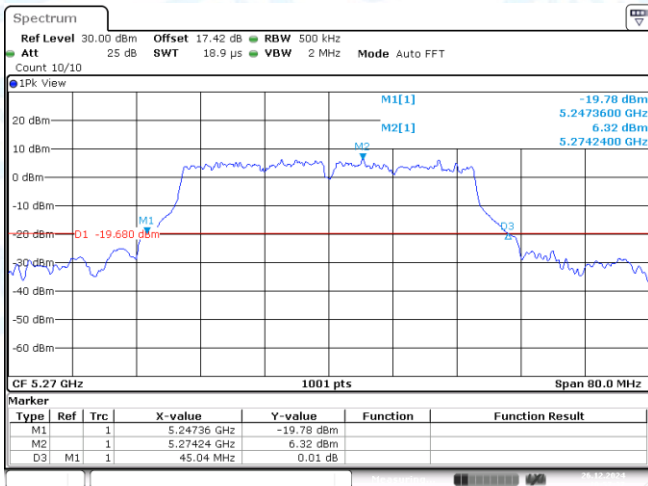
11N20SISO-Ant1-5700



11N40SISO-Ant1-5190



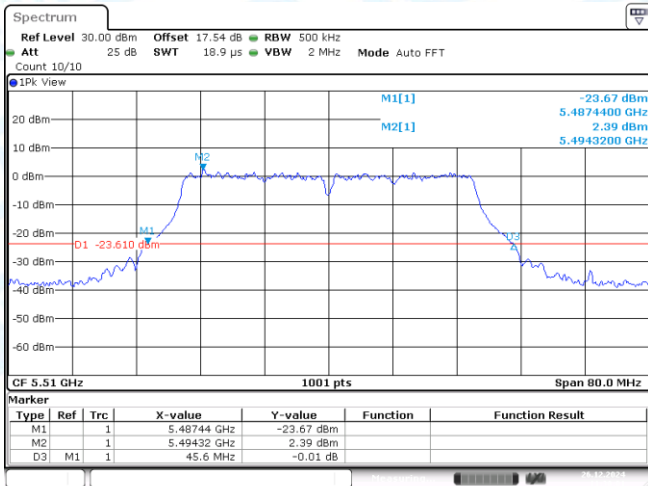
11N40SISO-Ant1-5230



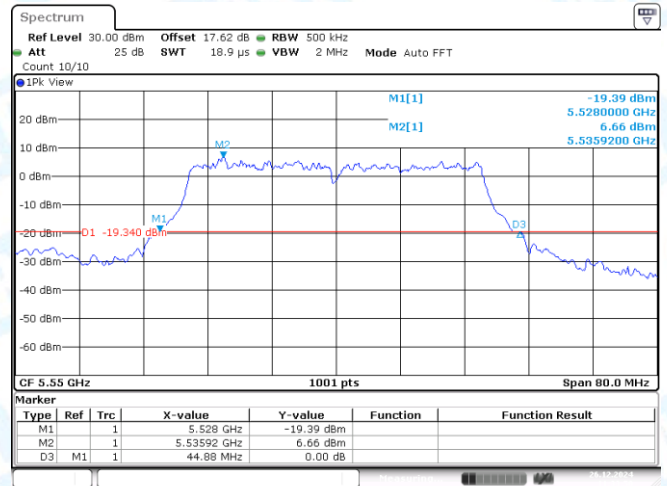
11N40SISO-Ant1-5270



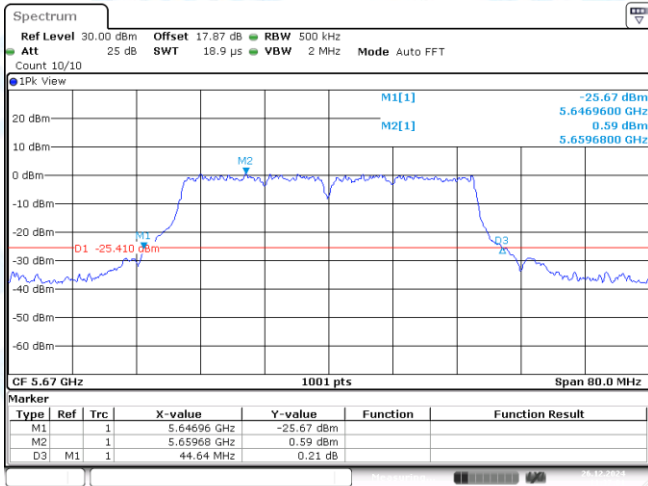
11N40SISO-Ant1-5310



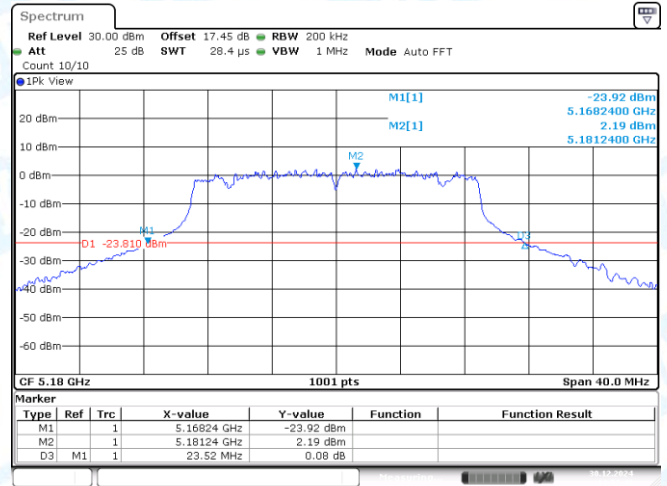
11N40SISO-Ant1-5510



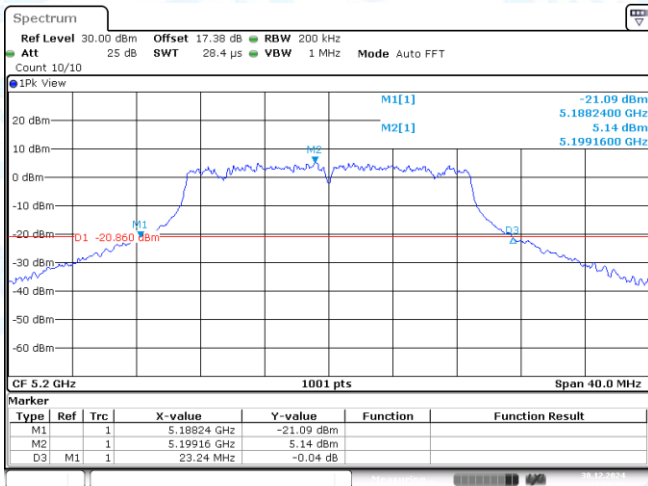
11N40SISO-Ant1-5550



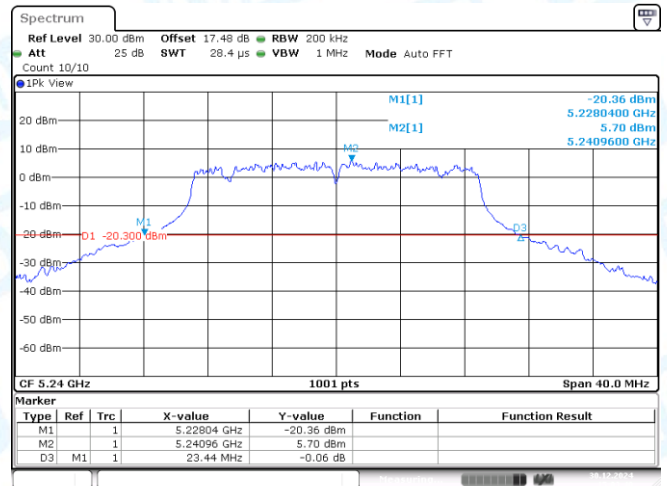
11N40SISO-Ant1-5670



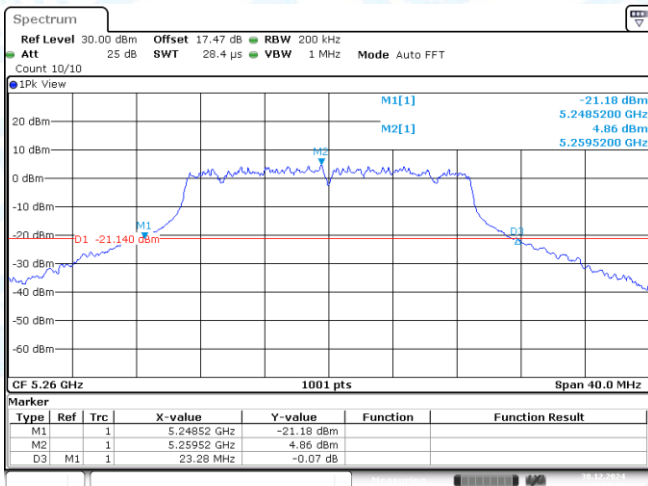
11AC20SISO-Ant1-5180



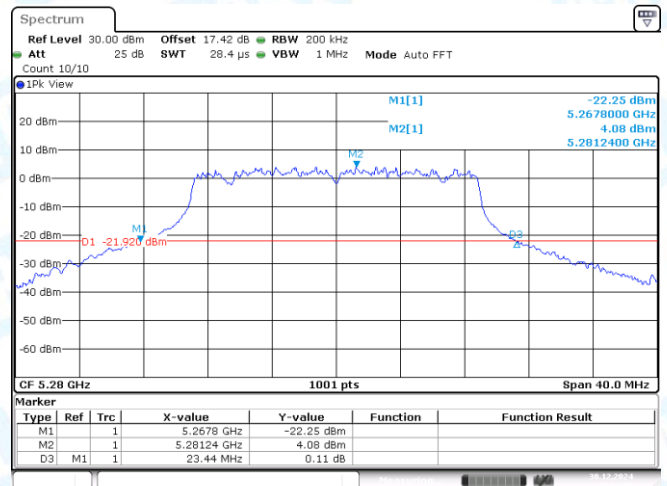
11AC20SISO-Ant1-5200



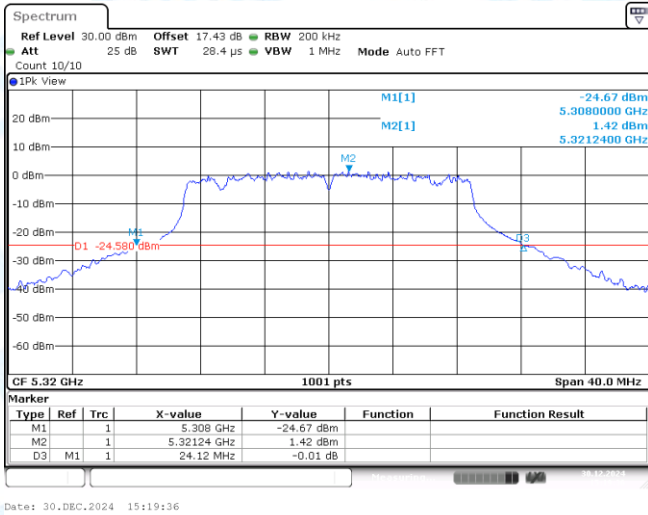
11AC20SISO-Ant1-5240



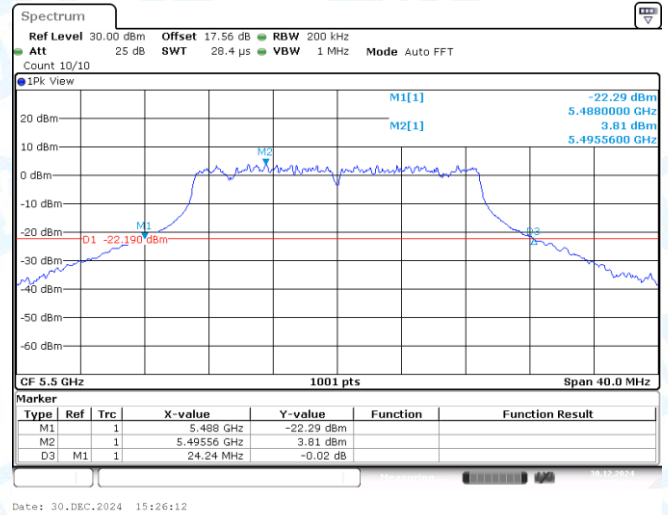
11AC20SISO-Ant1-5260



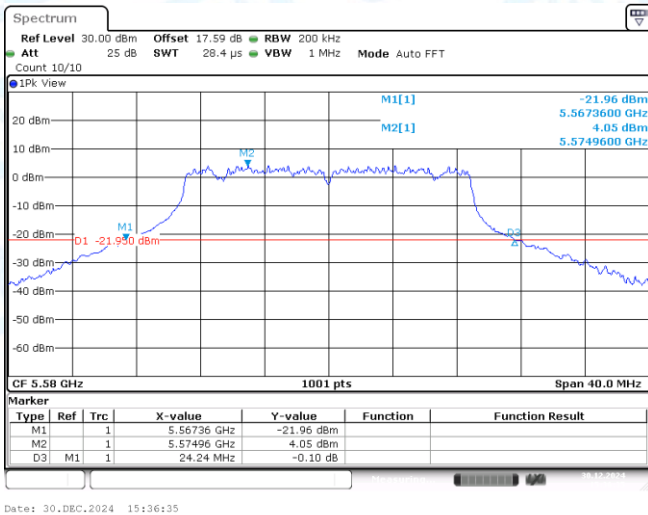
11AC20SISO-Ant1-5280



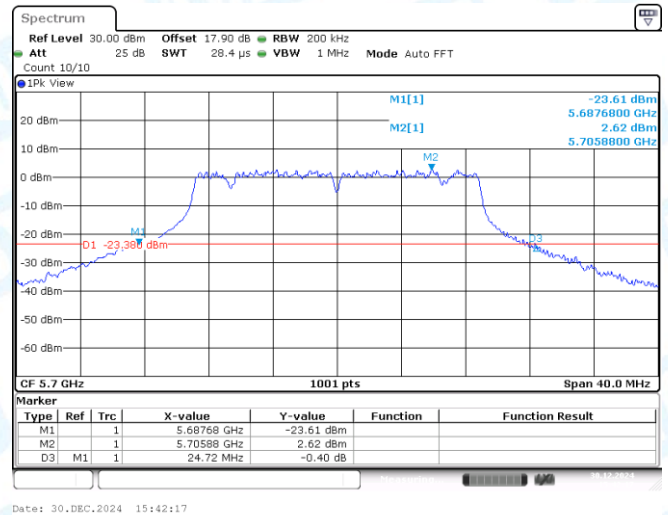
11AC20SISO-Ant1-5320



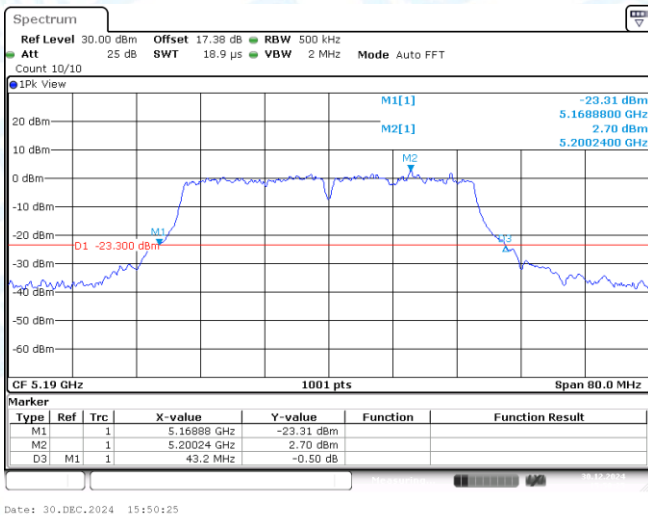
11AC20SISO-Ant1-5500



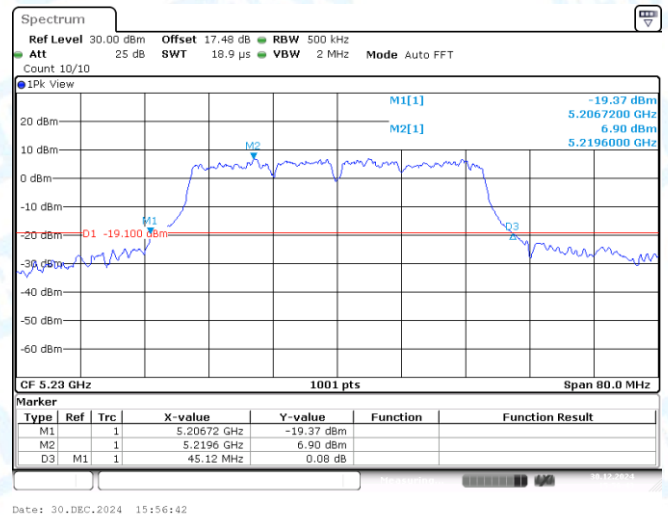
11AC20SISO-Ant1-5580



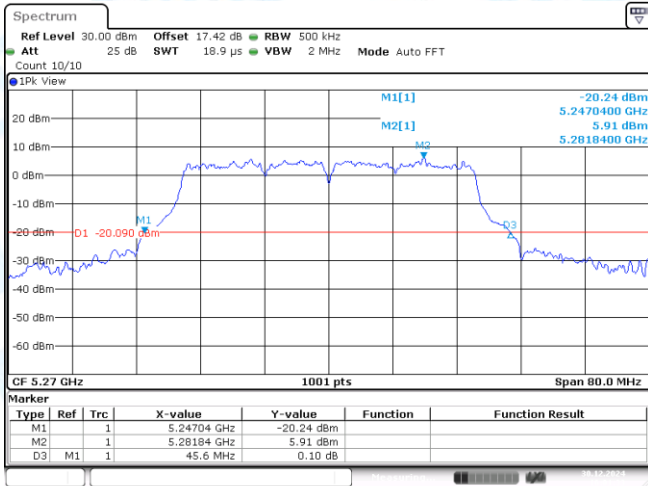
11AC20SISO-Ant1-5700



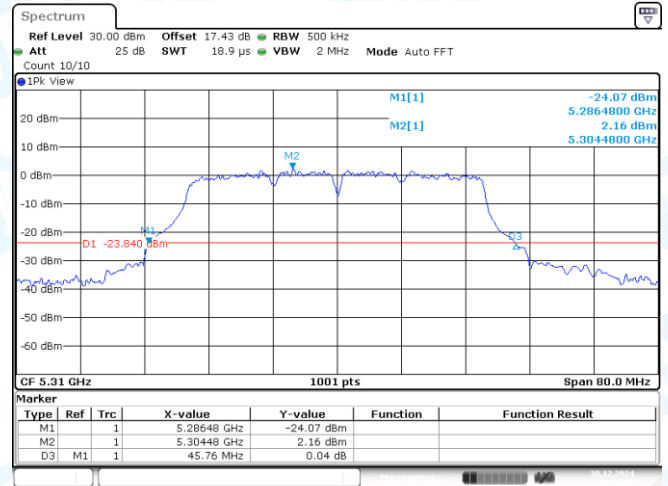
11AC40SISO-Ant1-5190



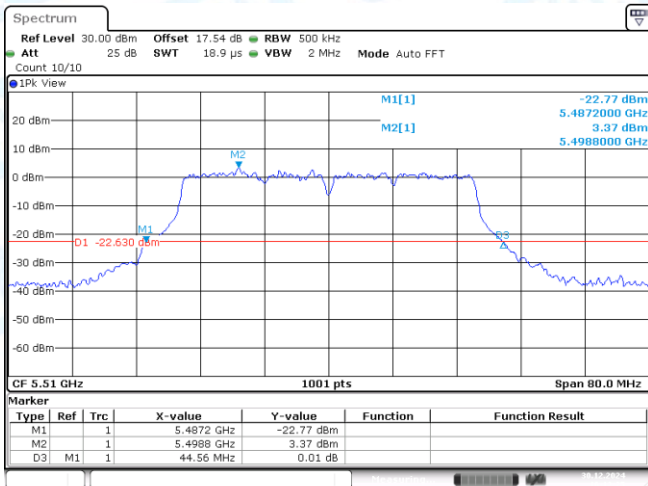
11AC40SISO-Ant1-5230



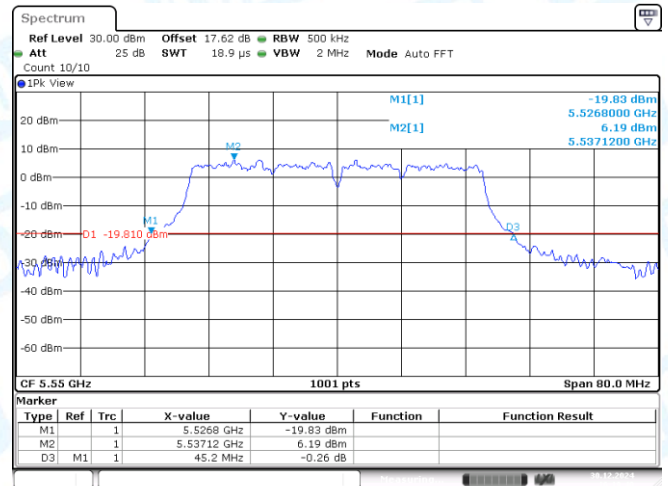
11AC40SISO-Ant1-5270



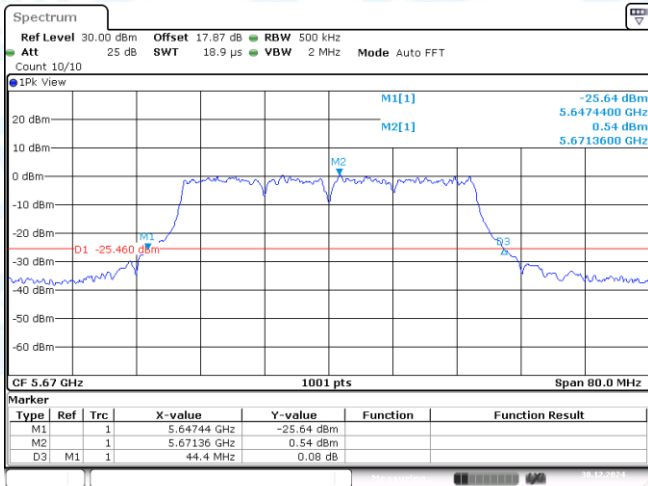
11AC40SISO-Ant1-5310



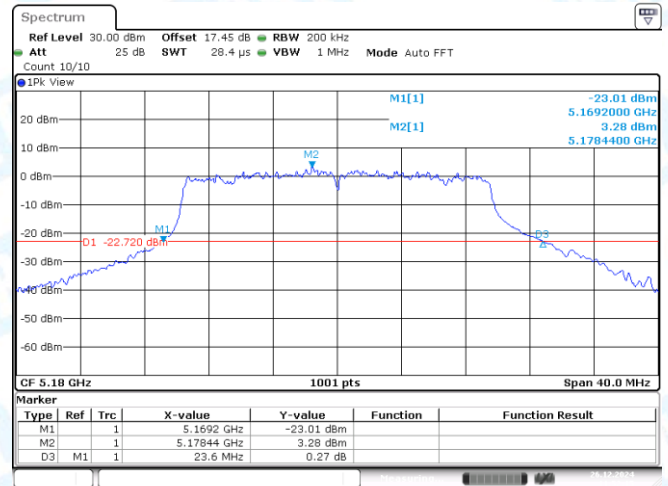
11AC40SISO-Ant1-5510



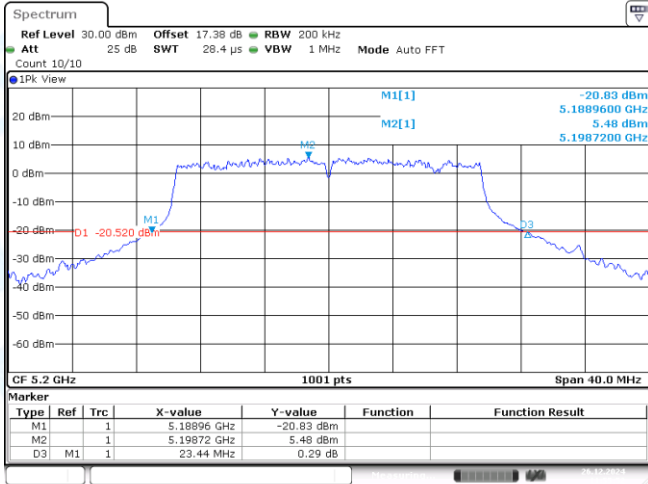
11AC40SISO-Ant1-5550



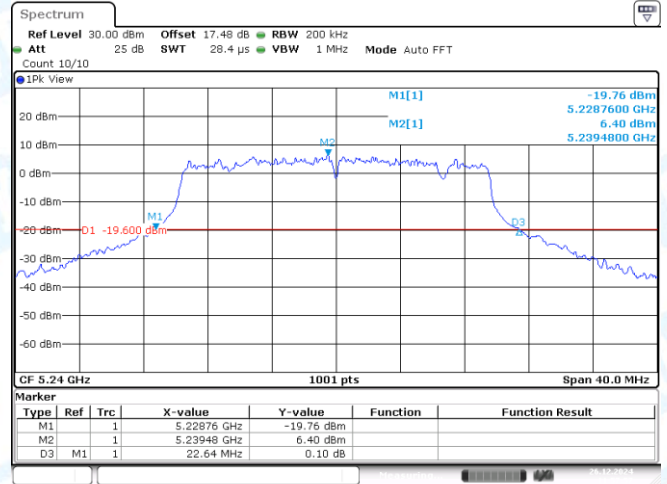
11AC40SISO-Ant1-5670



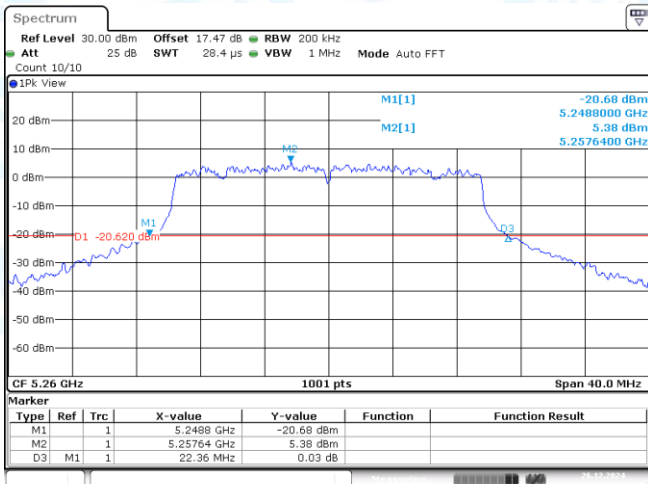
11AX20SISO-Ant1-5180



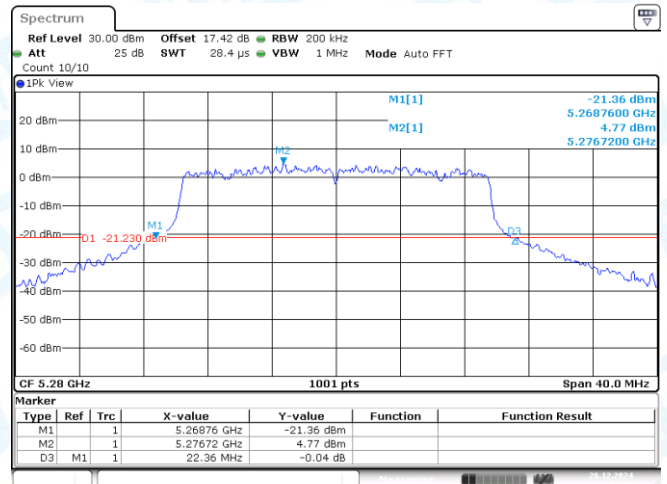
11AX20SISO-Ant1-5200



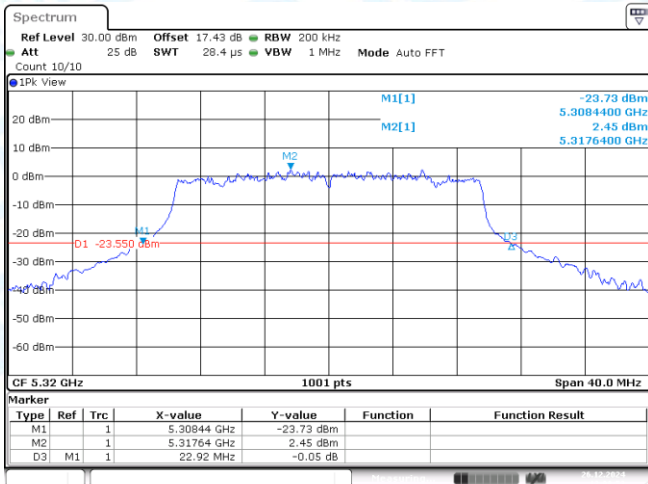
11AX20SISO-Ant1-5240



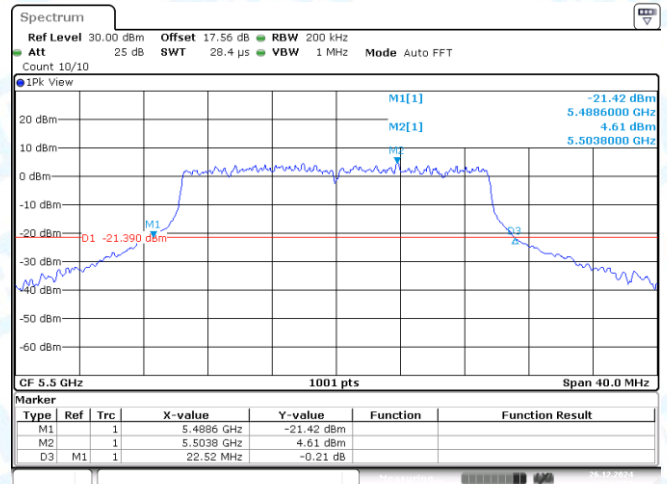
11AX20SISO-Ant1-5260



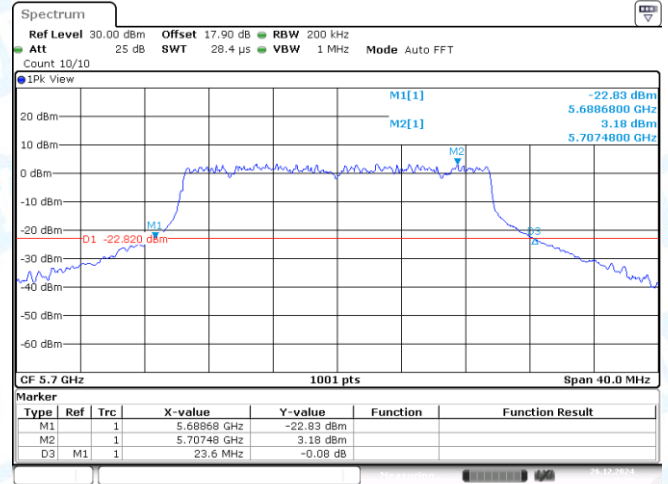
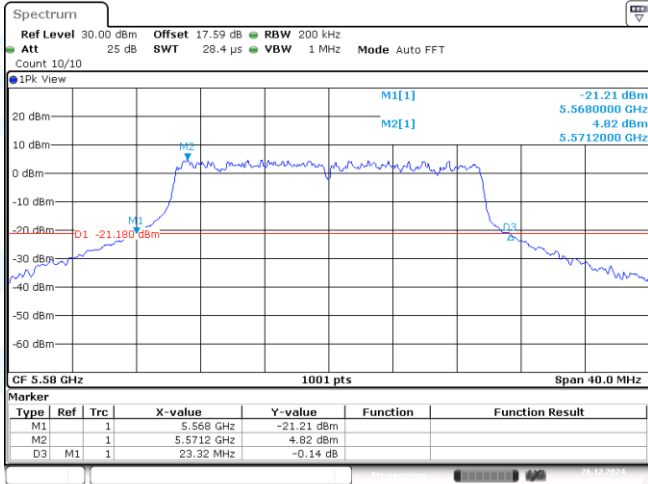
11AX20SISO-Ant1-5280



11AX20SISO-Ant1-5320

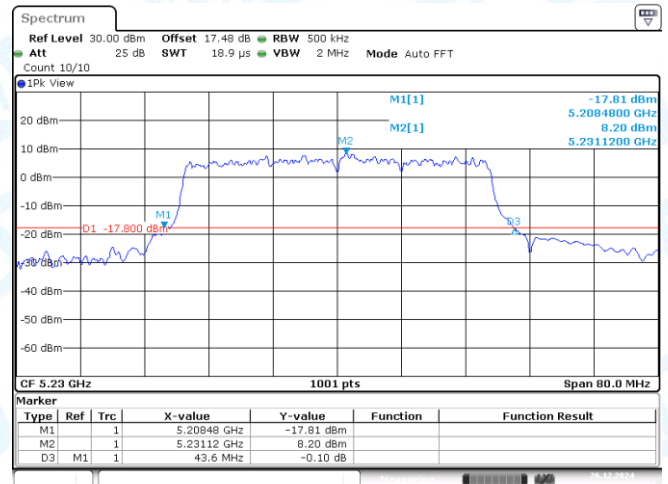
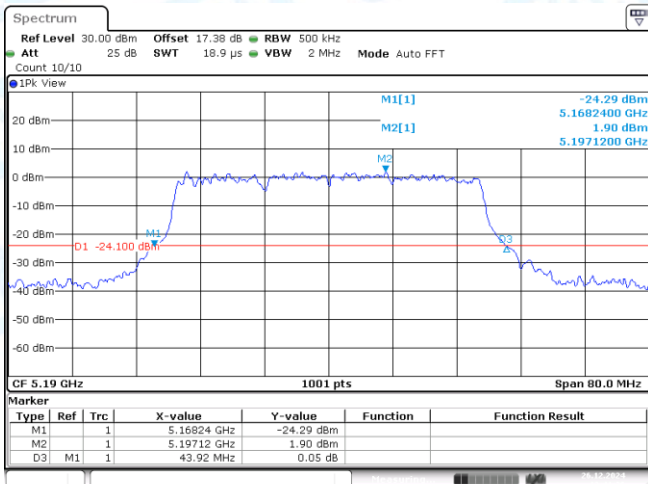


11AX20SISO-Ant1-5500



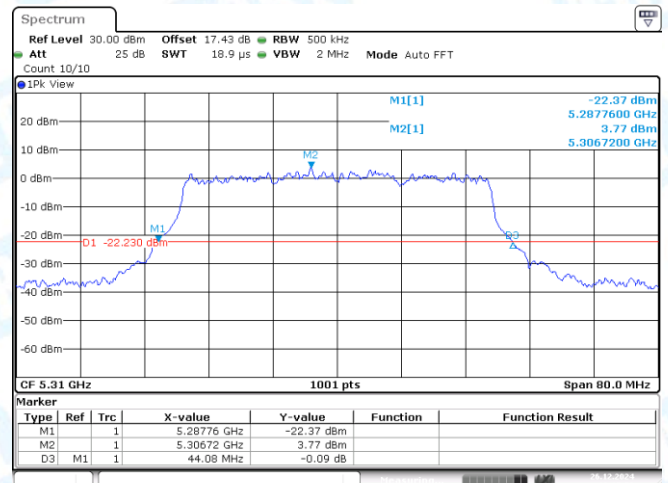
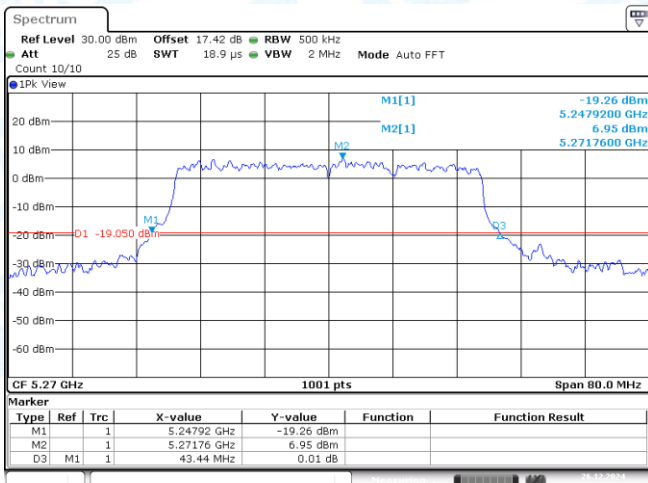
11AX20ISO-Ant1-5580

11AX20ISO-Ant1-5700



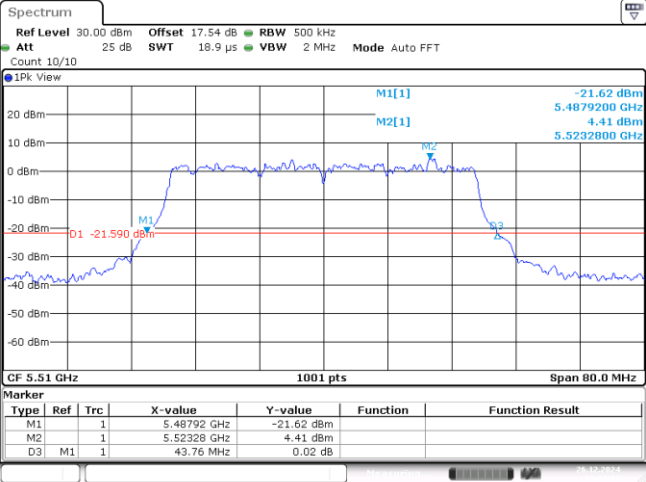
11AX40ISO-Ant1-5190

11AX40ISO-Ant1-5230

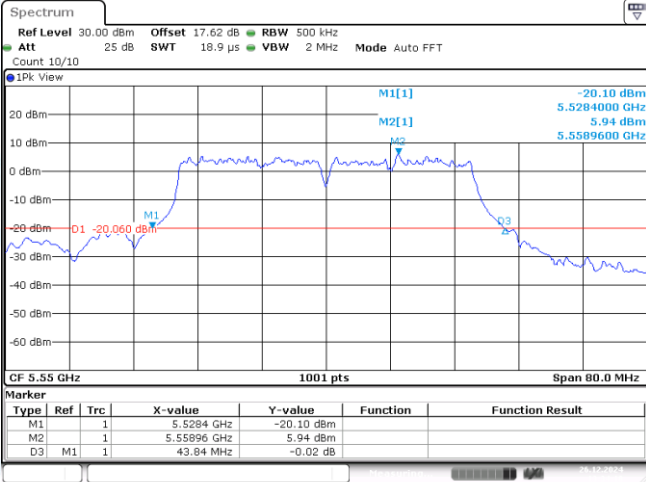


11AX40ISO-Ant1-5270

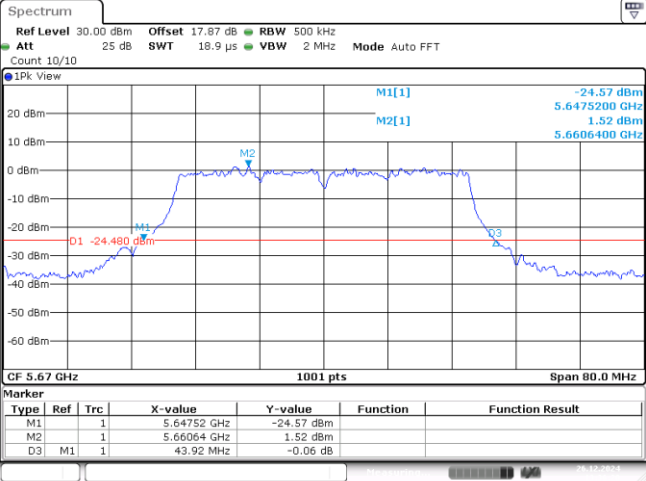
11AX40ISO-Ant1-5310



11AX40SISO-Ant1-5510



11AX40SISO-Ant1-5550



11AX40SISO-Ant1-5670

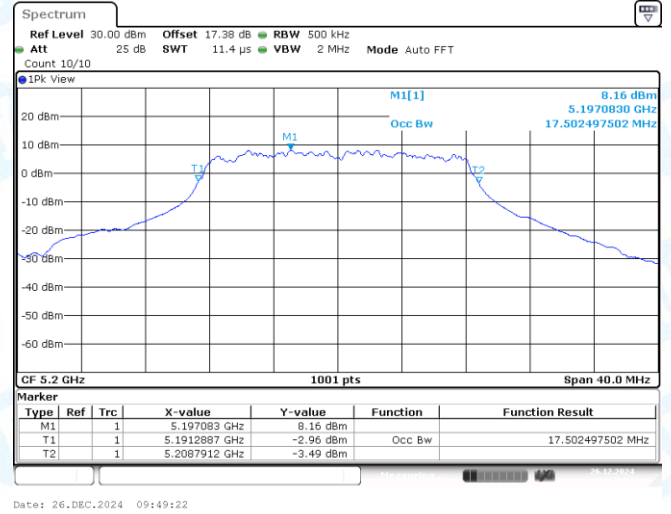
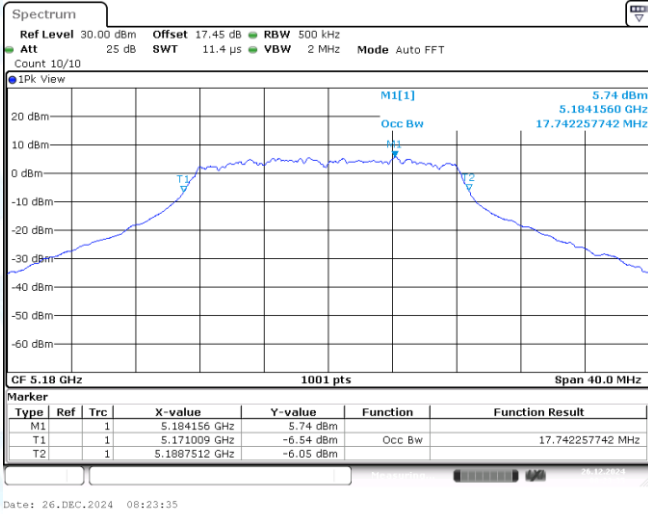
2: Occupied channel bandwidth

2.1 Test Result

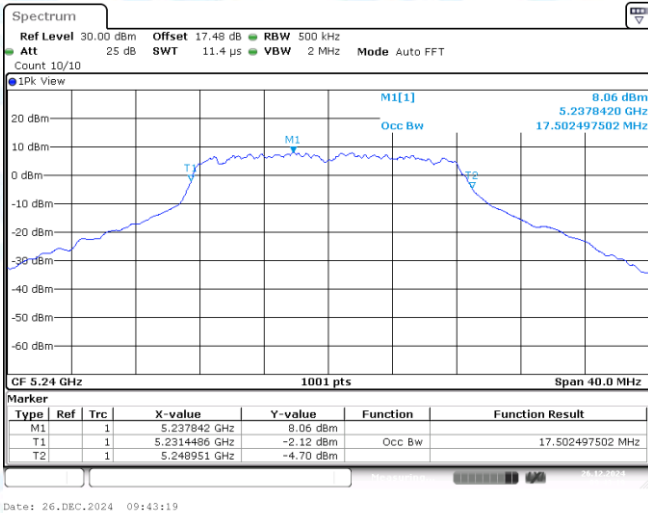
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.742	5171.0090	5188.7512	---	---
11A	Ant1	5200	17.502	5191.2887	5208.7912	---	---
11A	Ant1	5240	17.502	5231.4486	5248.9510	---	---
11A	Ant1	5260	17.502	5251.1688	5268.6713	---	---
11A	Ant1	5280	18.262	5271.0490	5289.3107	---	---
11A	Ant1	5320	17.542	5311.3287	5328.8711	---	---
11A	Ant1	5500	18.142	5490.6094	5508.7512	---	---
11A	Ant1	5580	18.142	5570.7293	5588.8711	---	---
11A	Ant1	5700	18.302	5690.4096	5708.7113	---	---
11A	Ant1	5745	18.382	5735.7293	5754.1109	---	---
11A	Ant1	5785	19.301	5775.1299	5794.4306	---	---
11A	Ant1	5825	18.062	5815.8492	5833.9111	---	---
11N20SISO	Ant1	5180	18.342	5170.8891	5189.2308	---	---
11N20SISO	Ant1	5200	18.741	5190.6094	5209.3506	---	---
11N20SISO	Ant1	5240	18.501	5230.7692	5249.2707	---	---
11N20SISO	Ant1	5260	18.462	5250.2897	5268.7512	---	---
11N20SISO	Ant1	5280	17.423	5271.0889	5288.5115	---	---
11N20SISO	Ant1	5320	18.222	5310.8492	5329.0709	---	---
11N20SISO	Ant1	5500	18.661	5490.8492	5509.5105	---	---
11N20SISO	Ant1	5580	18.661	5570.6893	5589.3506	---	---
11N20SISO	Ant1	5700	19.141	5690.2098	5709.3506	---	---
11N20SISO	Ant1	5745	18.621	5735.6094	5754.2308	---	---
11N20SISO	Ant1	5785	18.821	5775.4096	5794.2308	---	---
11N20SISO	Ant1	5825	18.382	5815.7692	5834.1508	---	---
11N40SISO	Ant1	5190	37.003	5171.7782	5208.7812	---	---
11N40SISO	Ant1	5230	36.683	5211.6184	5248.3017	---	---
11N40SISO	Ant1	5270	37.083	5251.3786	5288.4615	---	---
11N40SISO	Ant1	5310	36.603	5291.6184	5328.2218	---	---
11N40SISO	Ant1	5510	37.562	5491.2188	5528.7812	---	---
11N40SISO	Ant1	5550	37.483	5531.0589	5568.5415	---	---
11N40SISO	Ant1	5670	36.843	5651.6983	5688.5415	---	---
11N40SISO	Ant1	5755	37.163	5736.2987	5773.4615	---	---
11N40SISO	Ant1	5795	37.243	5776.2987	5813.5415	---	---
11AC20SISO	Ant1	5180	18.941	5170.8492	5189.7902	---	---
11AC20SISO	Ant1	5200	18.741	5190.4496	5209.1908	---	---
11AC20SISO	Ant1	5240	18.222	5230.9690	5249.1908	---	---
11AC20SISO	Ant1	5260	19.221	5250.3297	5269.5504	---	---
11AC20SISO	Ant1	5280	18.541	5270.7692	5289.3107	---	---
11AC20SISO	Ant1	5320	18.541	5310.7293	5329.2707	---	---
11AC20SISO	Ant1	5500	18.541	5490.7293	5509.2707	---	---
11AC20SISO	Ant1	5580	18.581	5570.6494	5589.2308	---	---

11AC20SISO	Ant1	5700	18.901	5690.7692	5709.6703	---	---
11AC20SISO	Ant1	5745	18.941	5735.3297	5754.2707	---	---
11AC20SISO	Ant1	5785	18.941	5775.4496	5794.3906	---	---
11AC20SISO	Ant1	5825	18.621	5815.5694	5834.1908	---	---
11AC40SISO	Ant1	5190	36.523	5171.6983	5208.2218	---	---
11AC40SISO	Ant1	5230	37.483	5211.2188	5248.7013	---	---
11AC40SISO	Ant1	5270	36.843	5251.5385	5288.3816	---	---
11AC40SISO	Ant1	5310	36.763	5291.6983	5328.4615	---	---
11AC40SISO	Ant1	5510	37.003	5491.5385	5528.5415	---	---
11AC40SISO	Ant1	5550	37.802	5530.8991	5568.7013	---	---
11AC40SISO	Ant1	5670	37.323	5651.4585	5688.7812	---	---
11AC40SISO	Ant1	5755	37.083	5736.4585	5773.5415	---	---
11AC40SISO	Ant1	5795	37.243	5776.0589	5813.3017	---	---
11AX20SISO	Ant1	5180	19.421	5170.3696	5189.7902	---	---
11AX20SISO	Ant1	5200	19.181	5190.3696	5209.5504	---	---
11AX20SISO	Ant1	5240	19.301	5230.4096	5249.7103	---	---
11AX20SISO	Ant1	5260	19.341	5250.3696	5269.7103	---	---
11AX20SISO	Ant1	5280	19.301	5270.3696	5289.6703	---	---
11AX20SISO	Ant1	5320	19.261	5310.3696	5329.6304	---	---
11AX20SISO	Ant1	5500	19.301	5490.3696	5509.6703	---	---
11AX20SISO	Ant1	5580	19.5	5570.1299	5589.6304	---	---
11AX20SISO	Ant1	5700	19.5	5690.0899	5709.5904	---	---
11AX20SISO	Ant1	5745	19.5	5735.3297	5754.8302	---	---
11AX20SISO	Ant1	5785	19.66	5775.0899	5794.7502	---	---
11AX20SISO	Ant1	5825	19.9	5814.7303	5834.6304	---	---
11AX40SISO	Ant1	5190	38.202	5170.8991	5209.1009	---	---
11AX40SISO	Ant1	5230	38.202	5210.8991	5249.1009	---	---
11AX40SISO	Ant1	5270	38.042	5250.8991	5288.9411	---	---
11AX40SISO	Ant1	5310	37.882	5291.0589	5328.9411	---	---
11AX40SISO	Ant1	5510	38.442	5490.7393	5529.1808	---	---
11AX40SISO	Ant1	5550	37.323	5531.2987	5568.6214	---	---
11AX40SISO	Ant1	5670	36.763	5651.6184	5688.3816	---	---
11AX40SISO	Ant1	5755	38.442	5735.7393	5774.1808	---	---
11AX40SISO	Ant1	5795	38.521	5775.6593	5814.1808	---	---

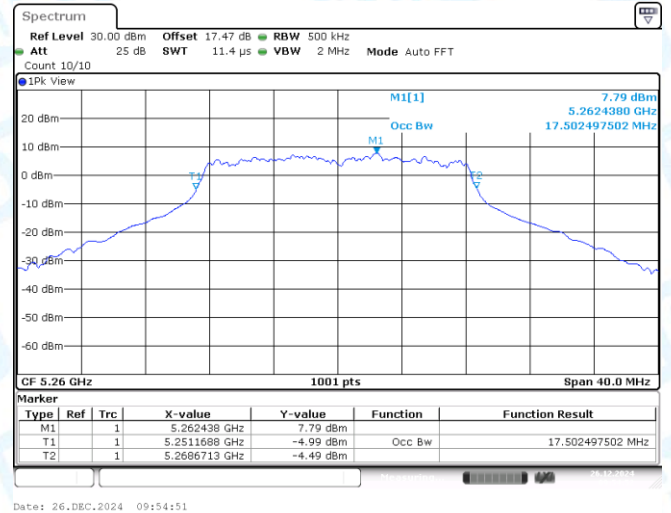
2.2 Test Graphs



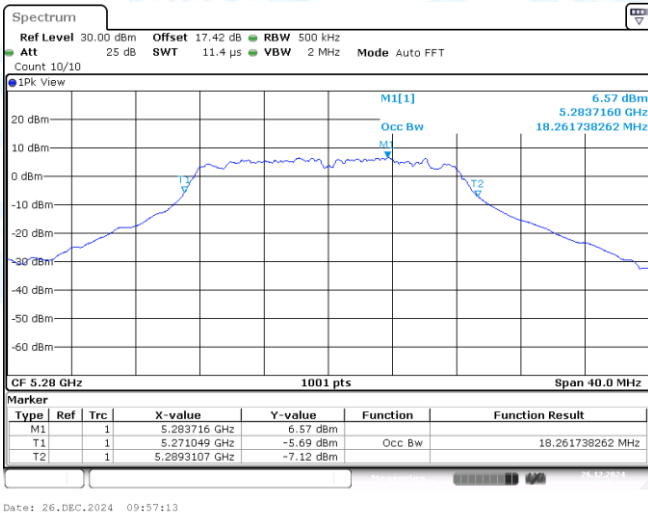
11A-Ant1-5180



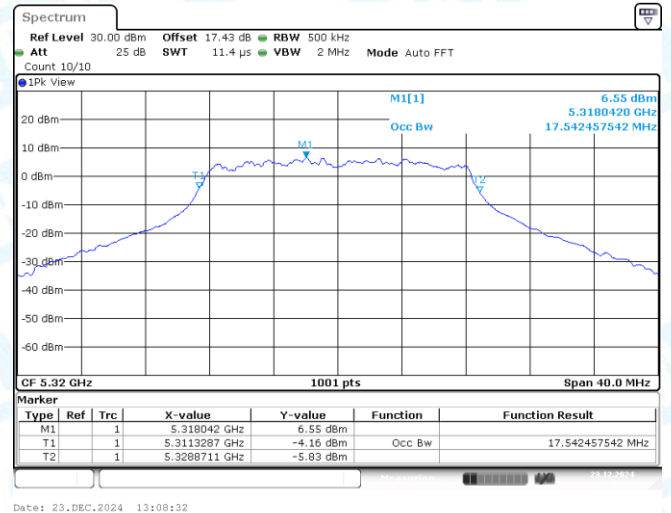
11A-Ant1-5200



11A-Ant1-5240

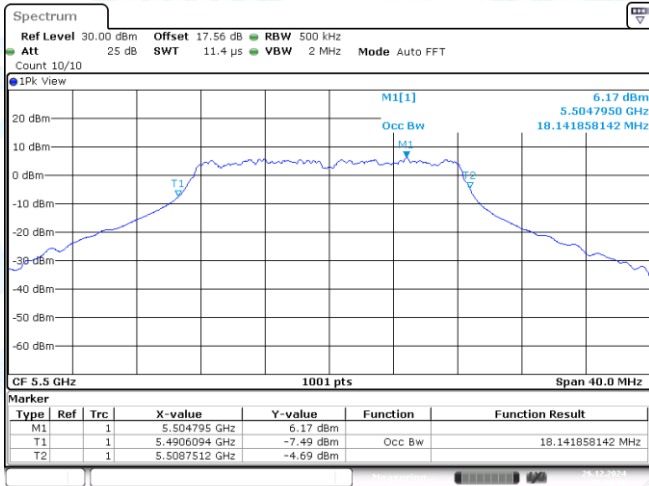


11A-Ant1-5260

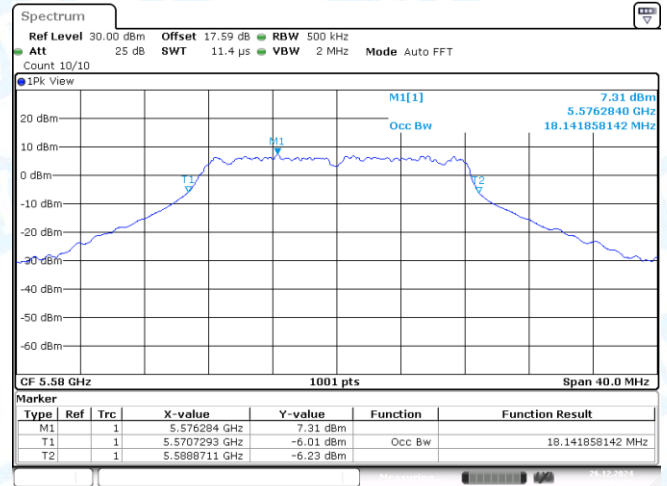


11A-Ant1-5280

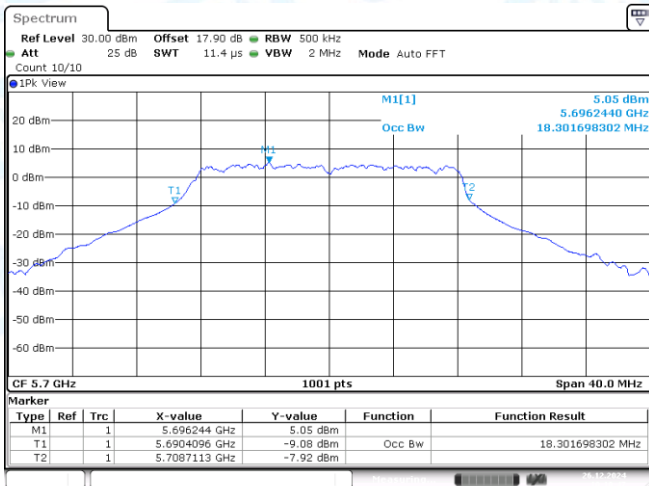
11A-Ant1-5320



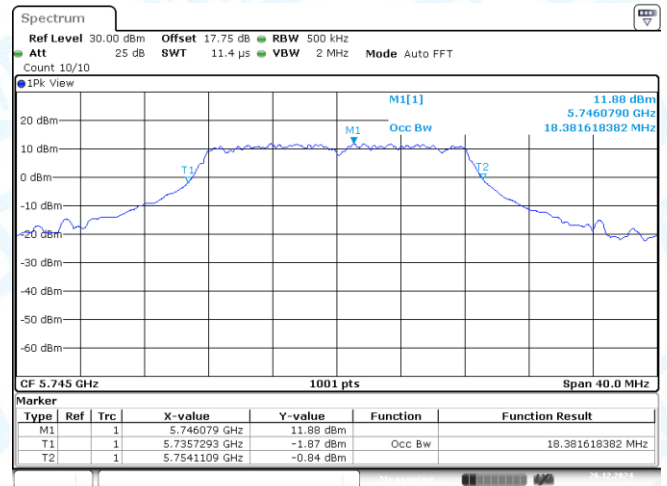
11A-Ant1-5500



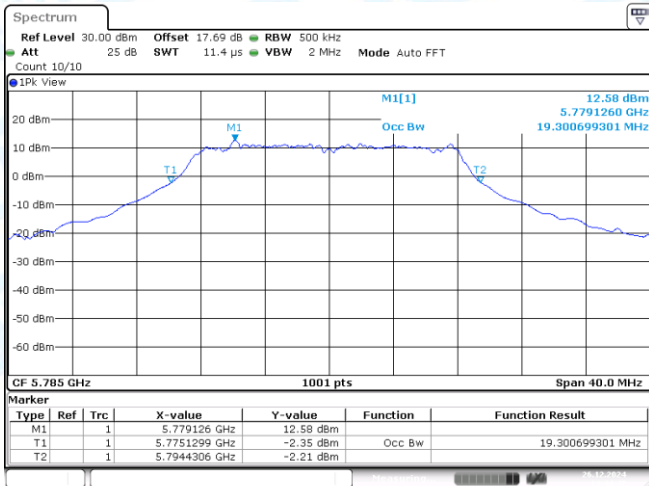
11A-Ant1-5580



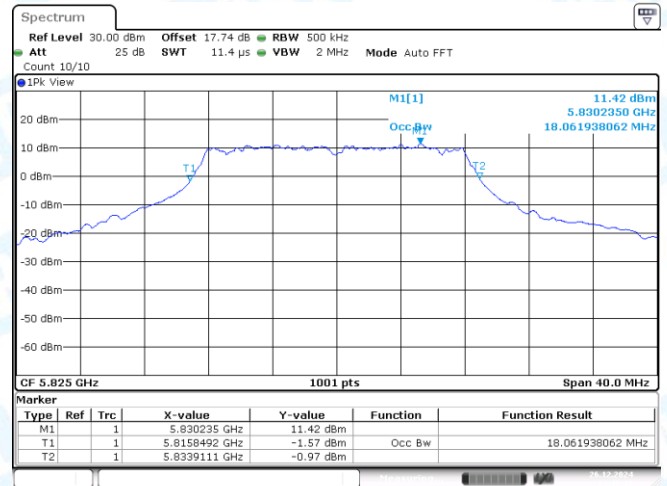
11A-Ant1-5700



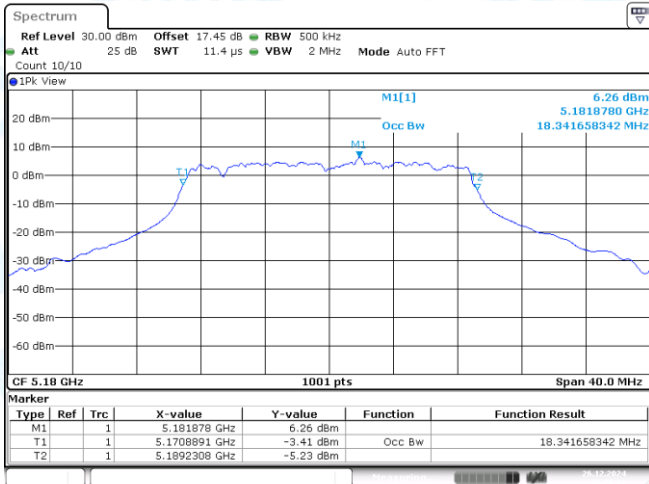
11A-Ant1-5745



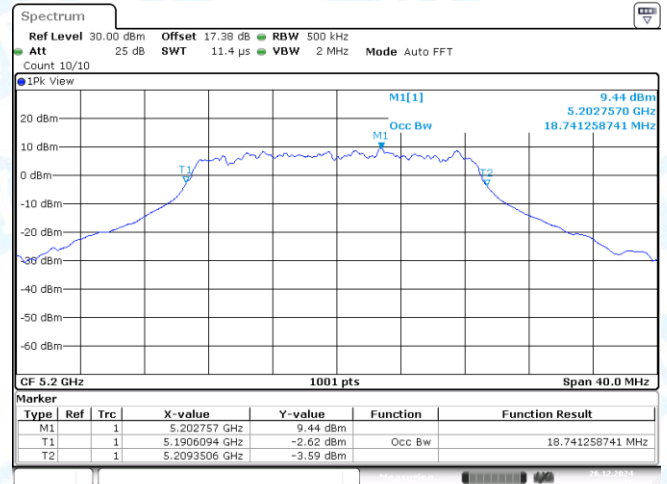
11A-Ant1-5785



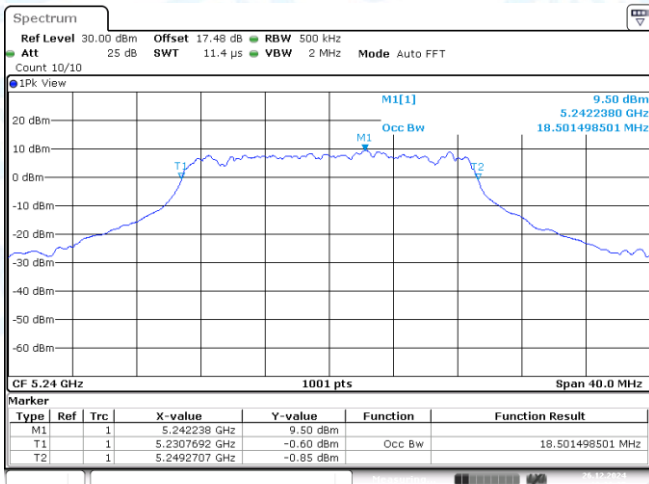
11A-Ant1-5825



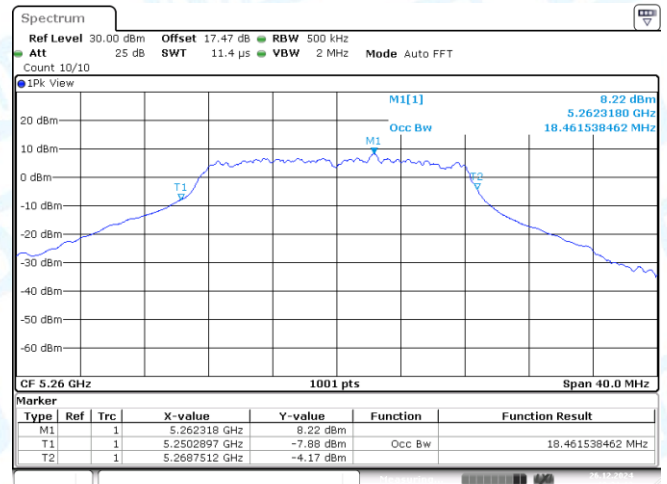
11N20SISO-Ant1-5180



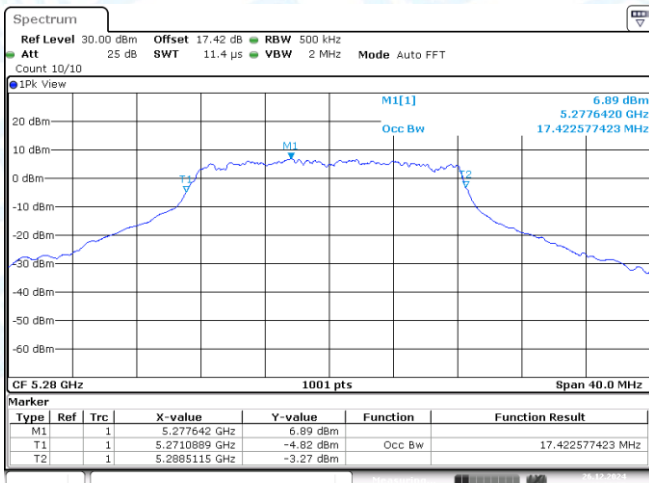
11N20SISO-Ant1-5200



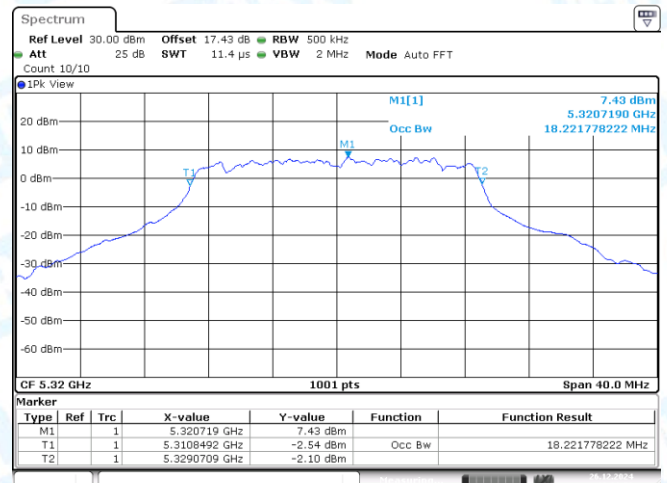
11N20SISO-Ant1-5240



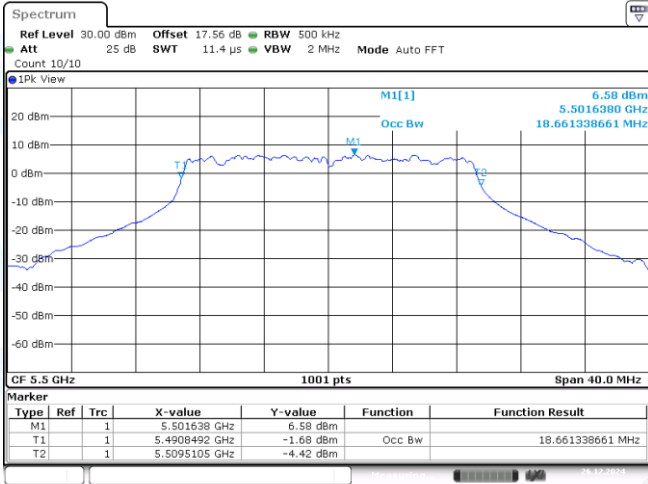
11N20SISO-Ant1-5260



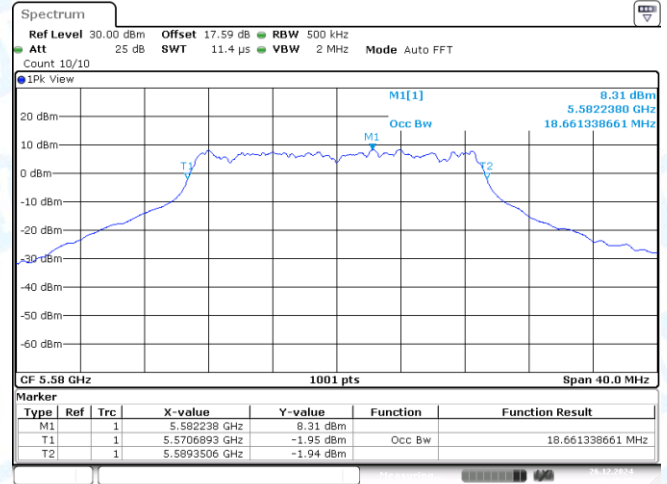
11N20SISO-Ant1-5280



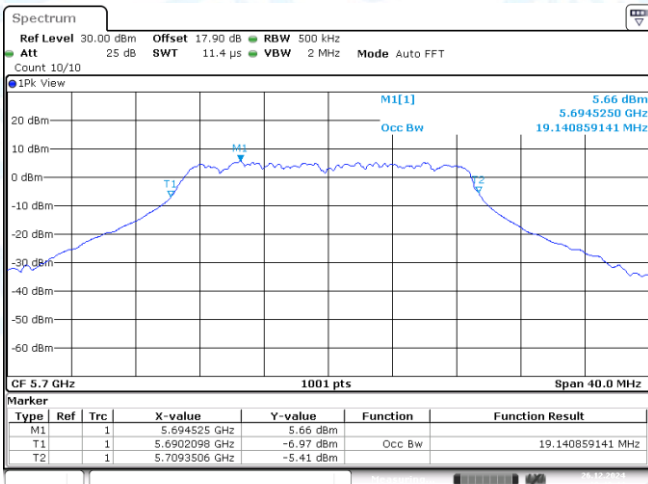
11N20SISO-Ant1-5320



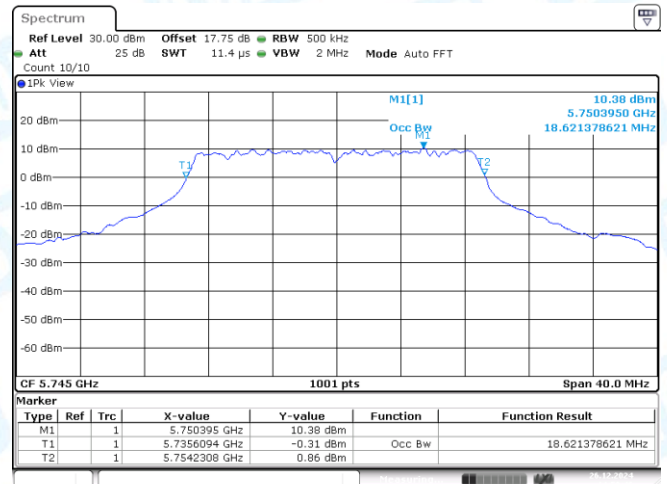
11N20SISO-Ant1-5500



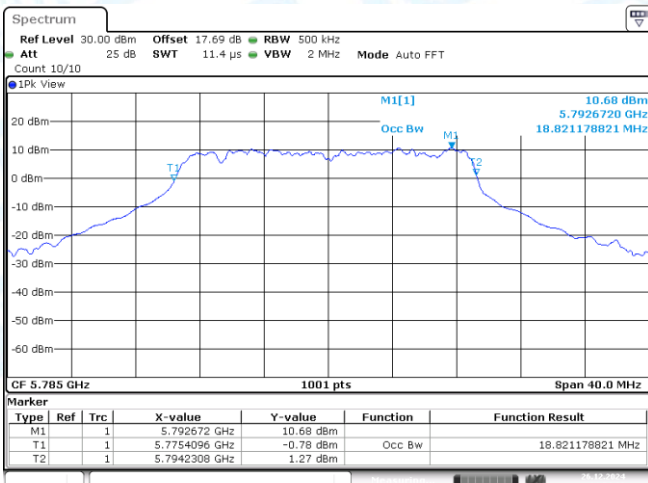
11N20SISO-Ant1-5580



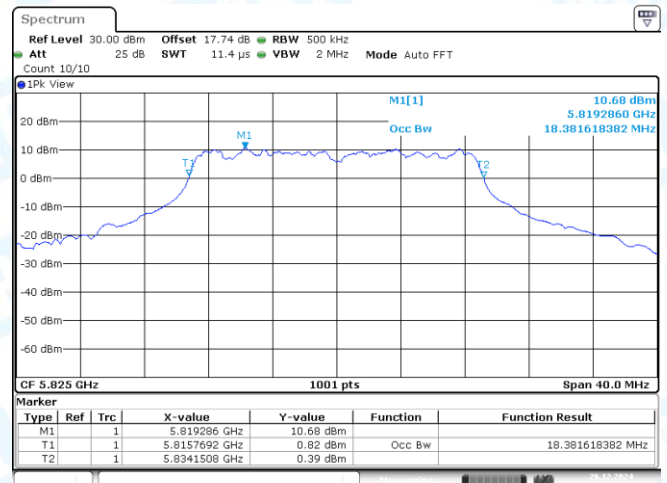
11N20SISO-Ant1-5700



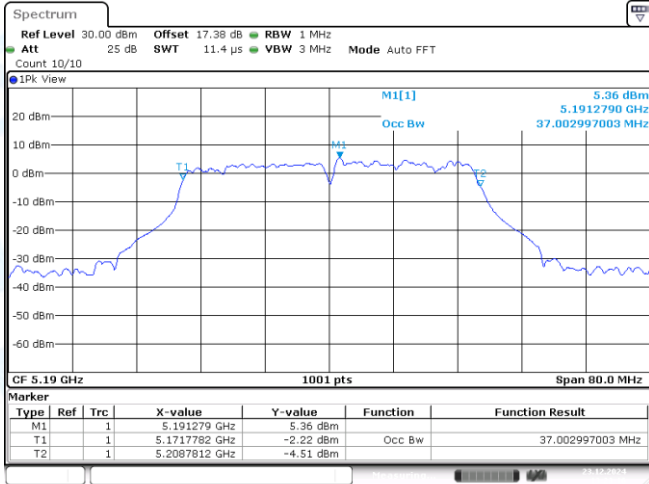
11N20SISO-Ant1-5745



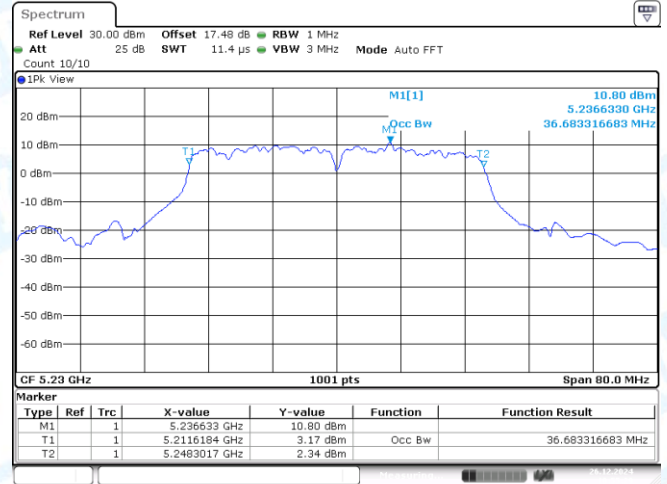
11N20SISO-Ant1-5785



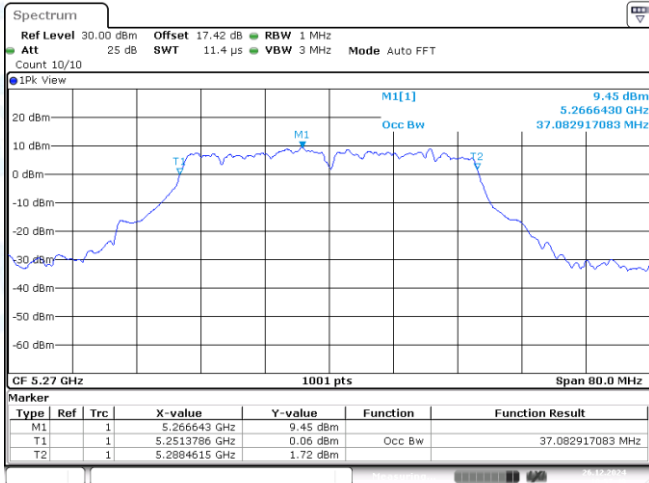
11N20SISO-Ant1-5825



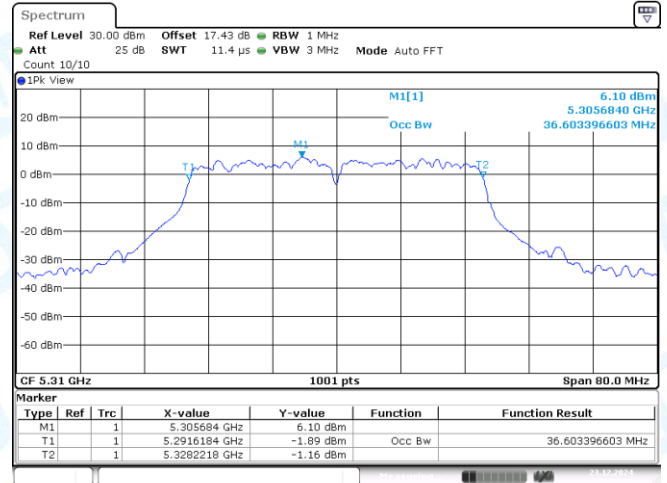
11N40SISO-Ant1-5190



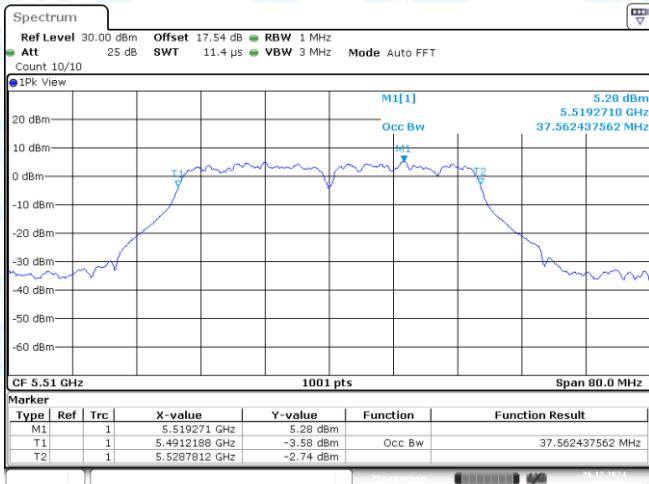
11N40SISO-Ant1-5230



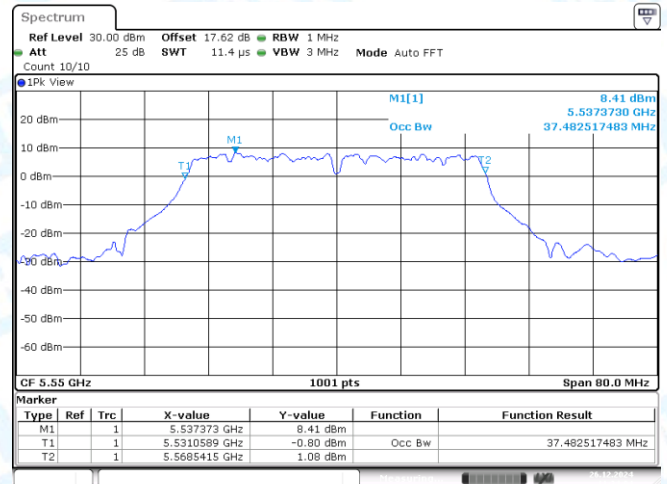
11N40SISO-Ant1-5270



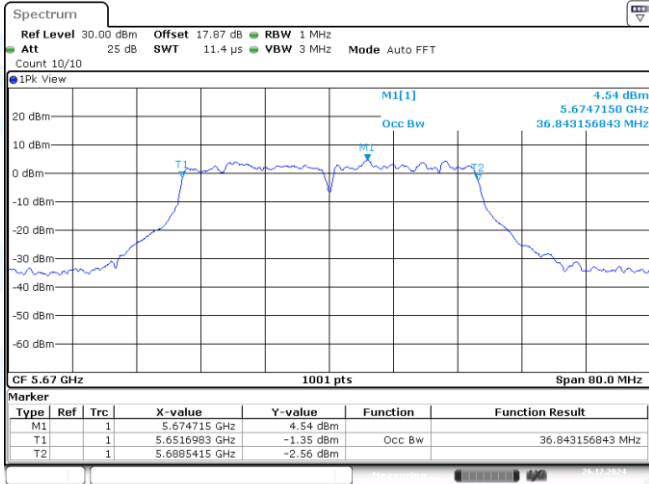
11N40SISO-Ant1-5310



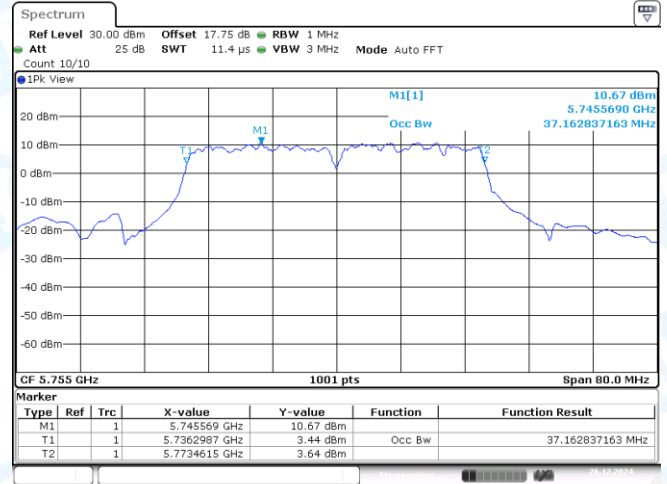
11N40SISO-Ant1-5510



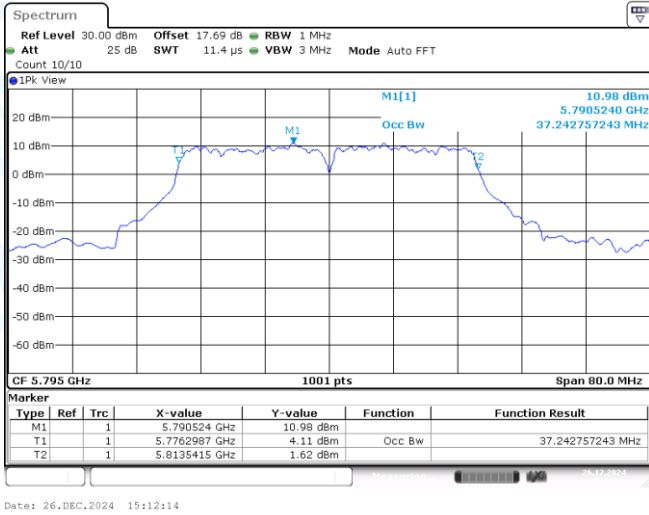
11N40SISO-Ant1-5550



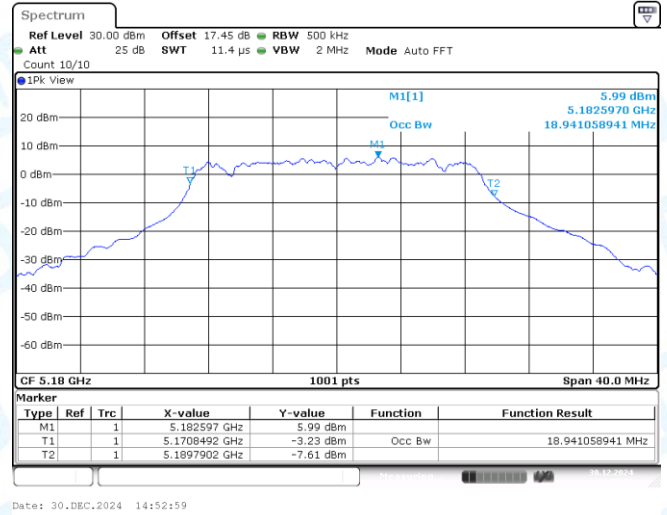
11N40SISO-Ant1-5670



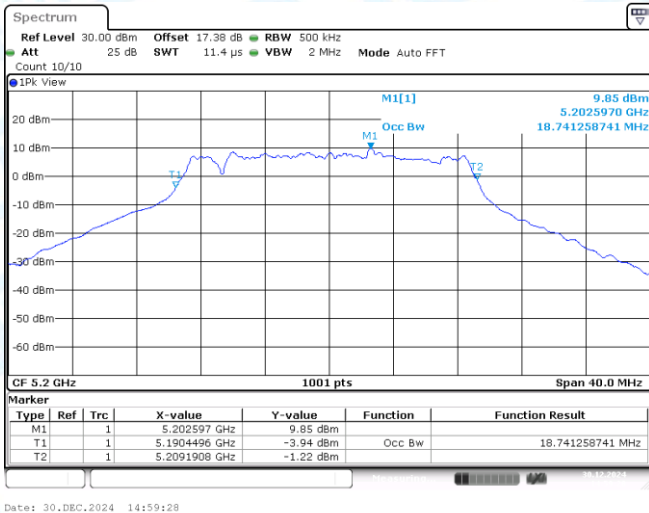
11N40SISO-Ant1-5755



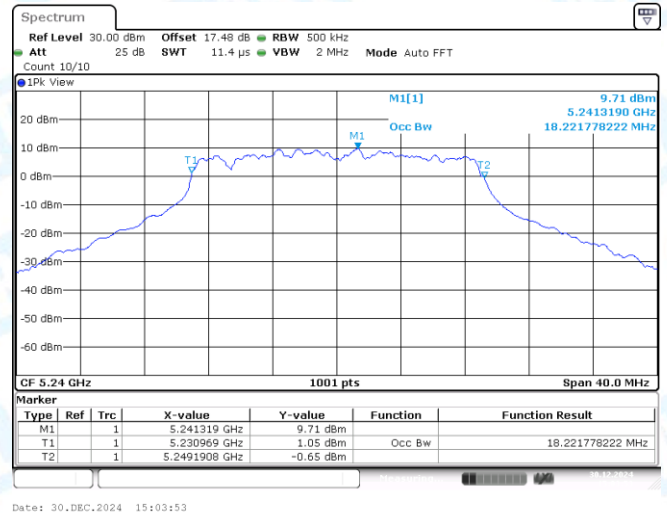
11N40SISO-Ant1-5795



11AC20SISO-Ant1-5180



11AC20SISO-Ant1-5200



11AC20SISO-Ant1-5240