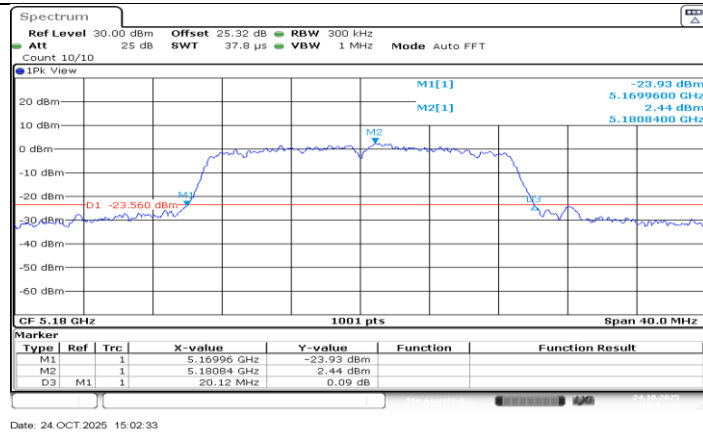
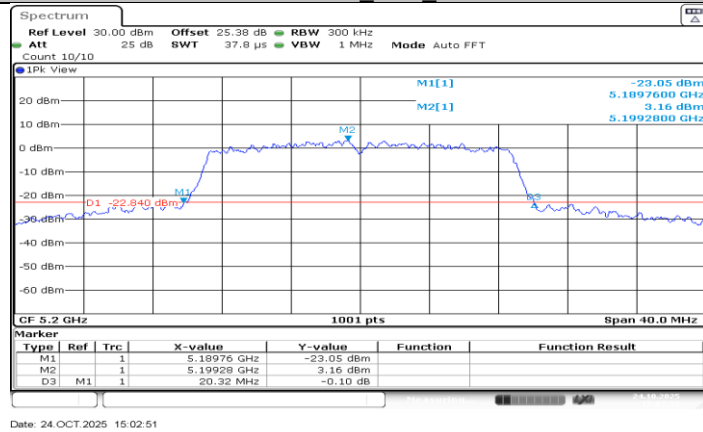
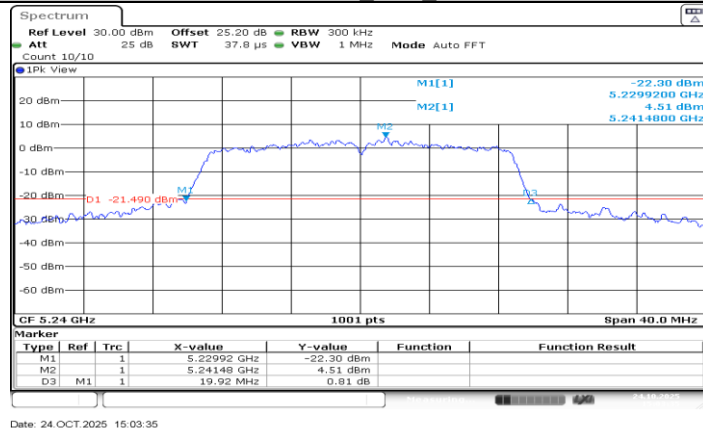




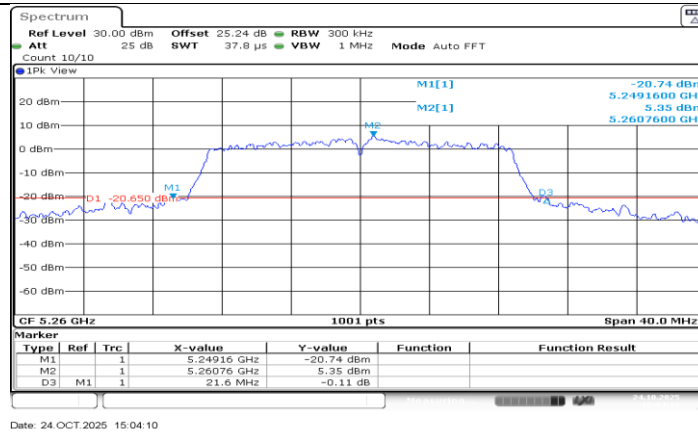
11N20SISO_Ant1_5180



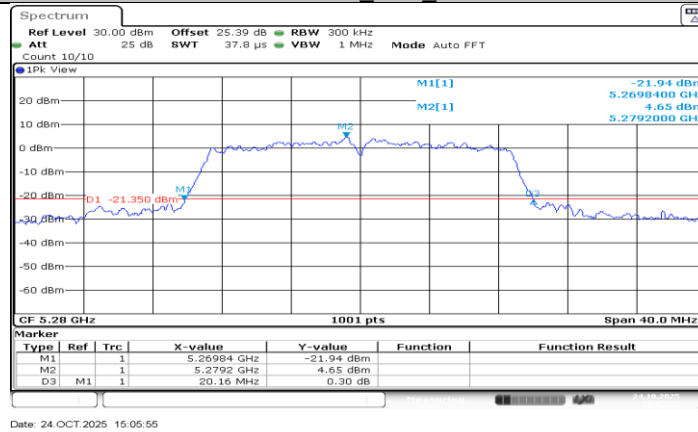
11N20SISO_Ant1_5200



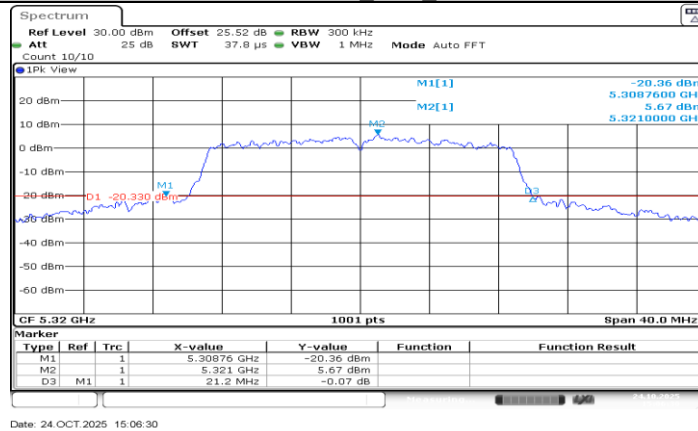
11N20SISO_Ant1_5240



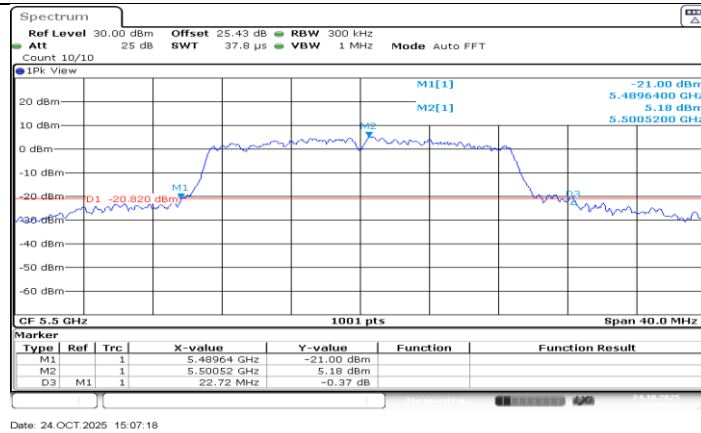
11N20SISO_Ant1_5260



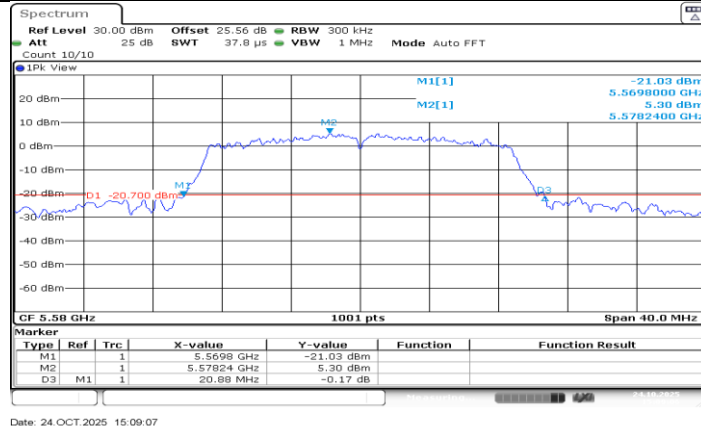
11N20SISO_Ant1_5280



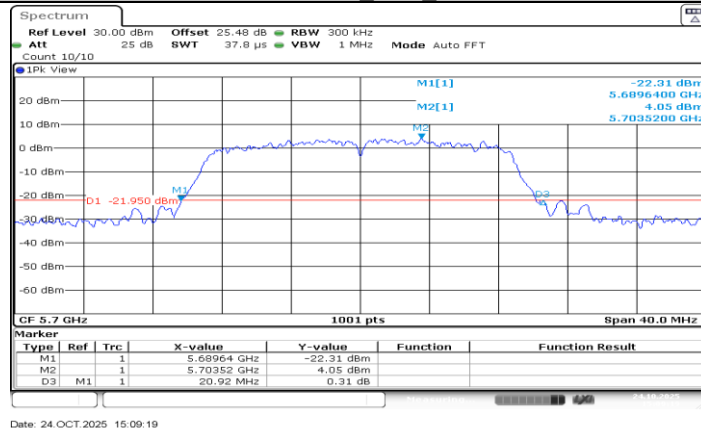
11N20SISO_Ant1_5320



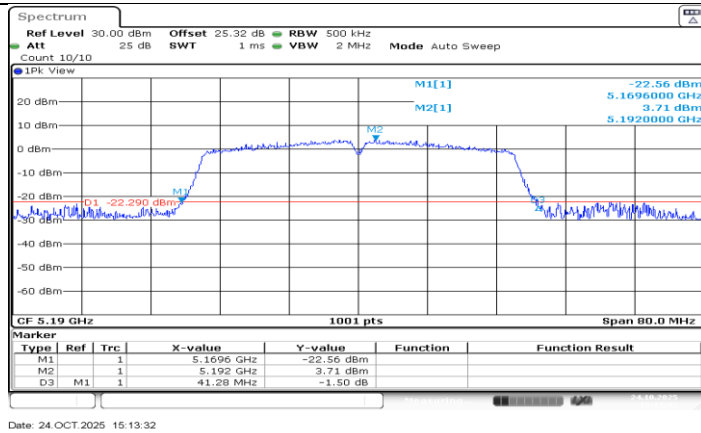
11N20SISO Ant1 5500



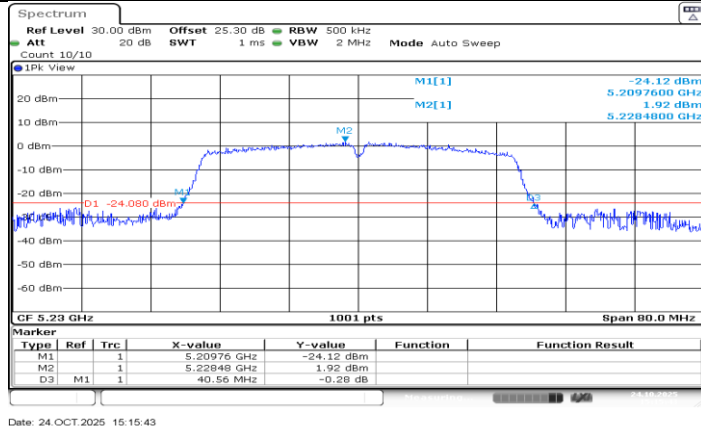
11N20SISO Ant1 5580



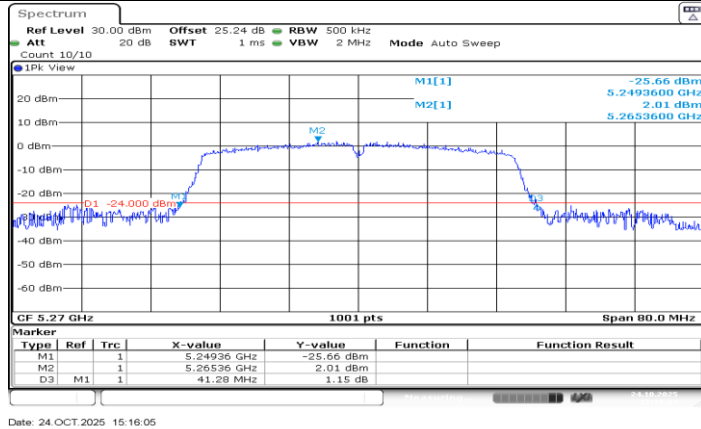
11N20SISO Ant1 5700



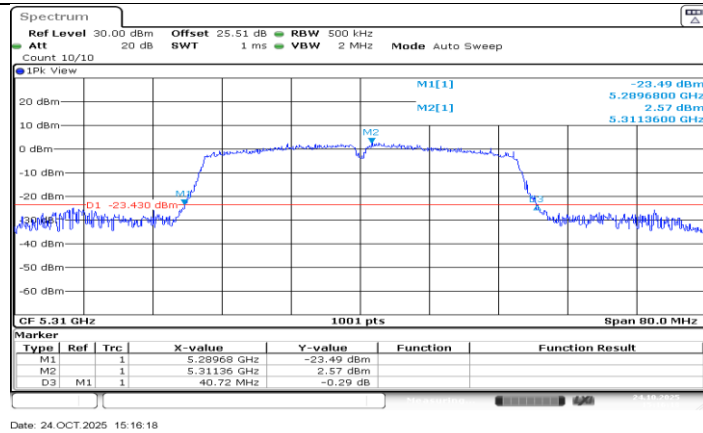
11N40SISO_Ant1_5190



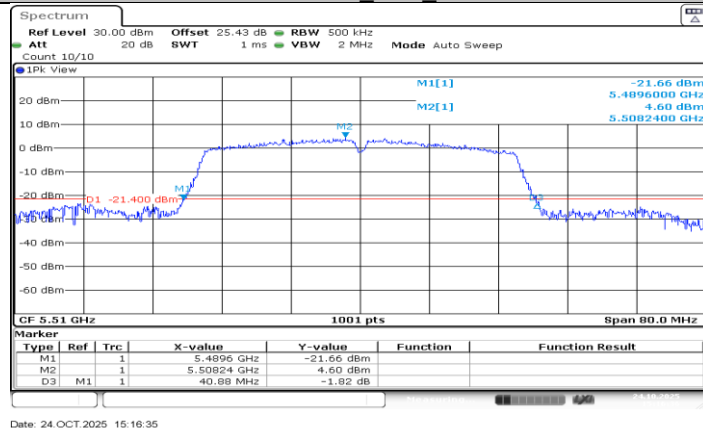
11N40SISO_Ant1_5230



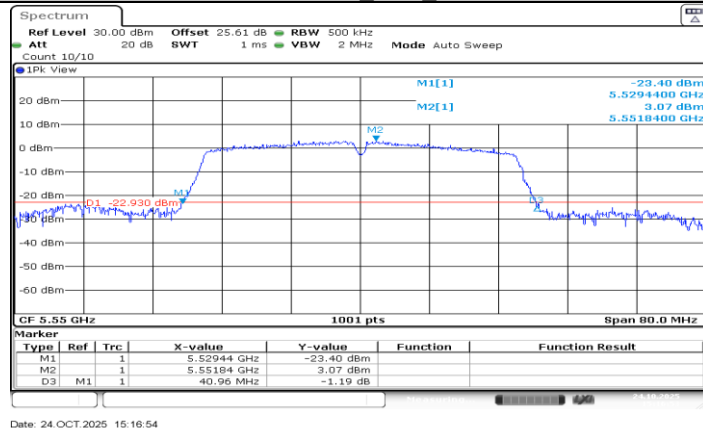
11N40SISO_Ant1_5270



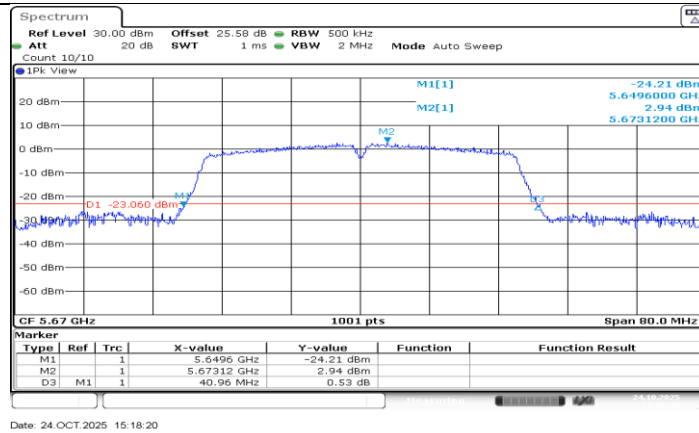
11N40SISO_Ant1_5310



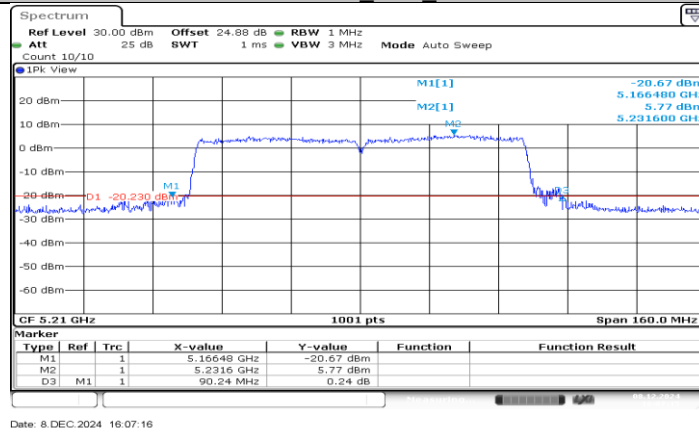
11N40SISO_Ant1_5510



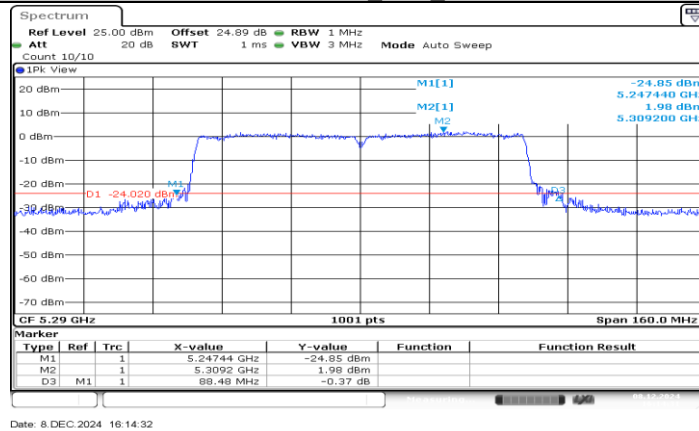
11N40SISO_Ant1_5550



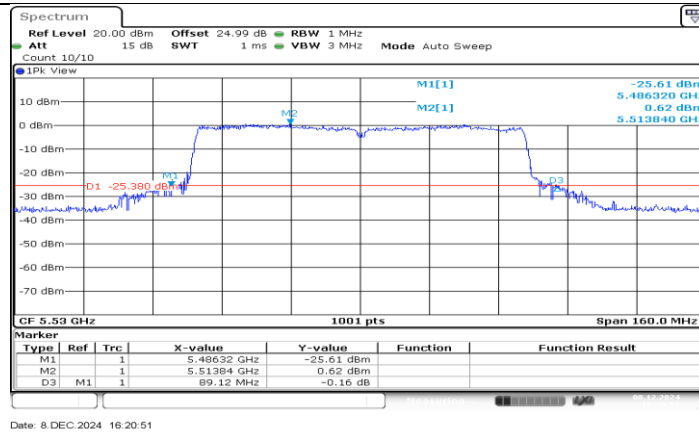
11N40SISO_Ant1_5670



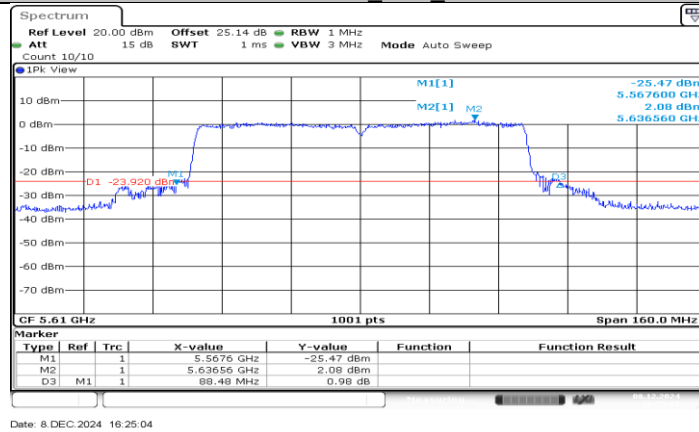
11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5530



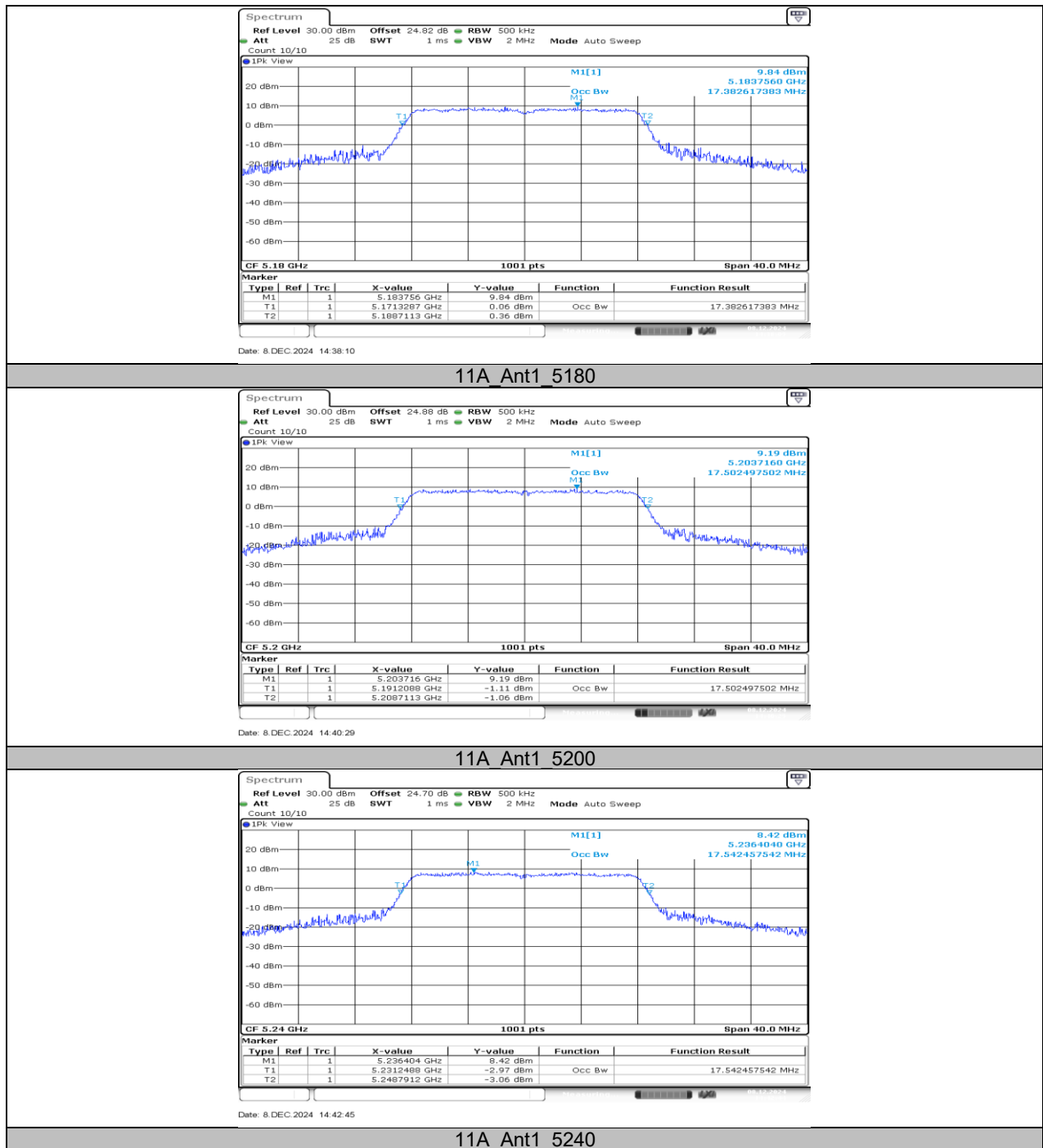
11AC80SISO_Ant1_5610

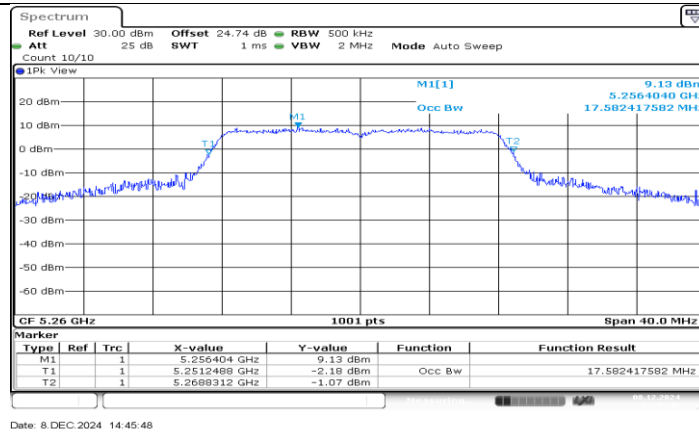
11.2. APPENDIX B: OCCUPIED CHANNEL BANDWIDTH

11.2.1. Test Result

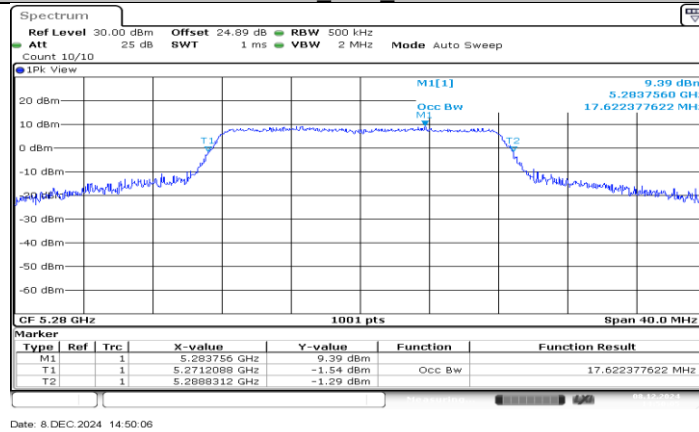
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11A	Ant1	5180	17.383	5171.3287	5188.7113
		5200	17.502	5191.2088	5208.7113
		5240	17.542	5231.2488	5248.7912
		5260	17.582	5251.2488	5268.8312
		5280	17.622	5271.2088	5288.8312
		5320	17.662	5311.2088	5328.8711
		5500	17.982	5491.1688	5509.1508
		5580	17.942	5571.1688	5589.1109
11N20SISO	Ant1	5700	17.622	5691.2088	5708.8312
		5180	18.182	5170.9291	5189.1109
		5200	18.262	5190.8891	5209.1508
		5240	18.222	5230.8891	5249.1109
		5260	18.222	5250.8891	5269.1109
		5280	18.262	5270.8891	5289.1508
		5320	18.302	5310.8492	5329.1508
		5500	18.342	5490.8492	5509.1908
11N40SISO	Ant1	5580	18.302	5570.8891	5589.1908
		5700	18.262	5690.8891	5709.1508
		5190	36.763	5171.6983	5208.4615
		5230	36.843	5211.6983	5248.5415
		5270	36.843	5251.6184	5288.4615
		5310	36.763	5291.6983	5328.4615
		5510	36.923	5491.5385	5528.4615
		5550	36.923	5531.5385	5568.4615
11AC80SISO	Ant1	5670	36.923	5651.6184	5688.5415
		5210	76.244	5172.1179	5248.3616
		5290	76.244	5252.1179	5328.3616
		5530	76.563	5491.7982	5568.3616
		5610	76.723	5571.7982	5648.5215

11.2.2. Test Graphs

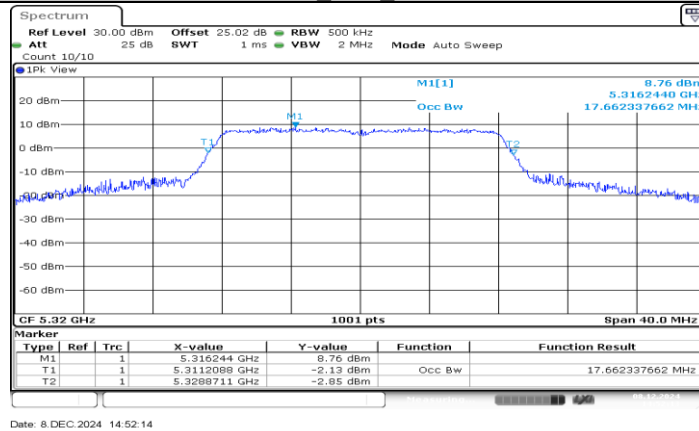




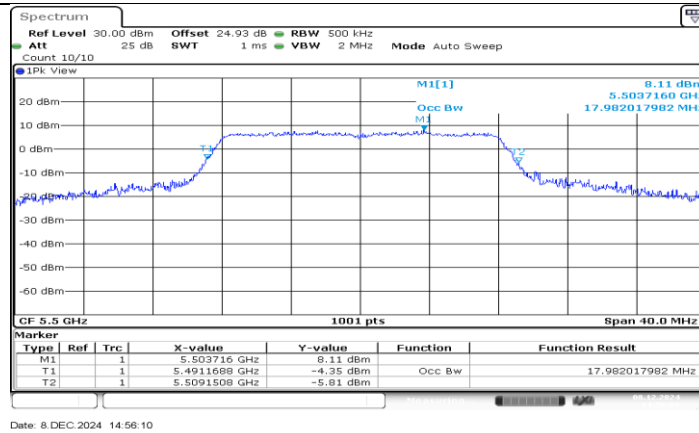
11A Ant1 5260



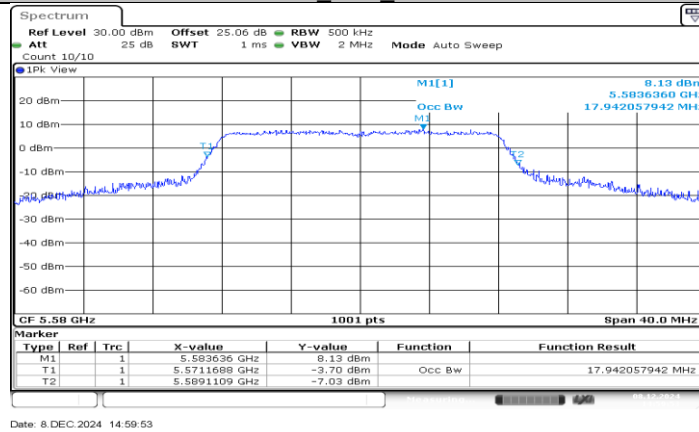
11A Ant1 5280



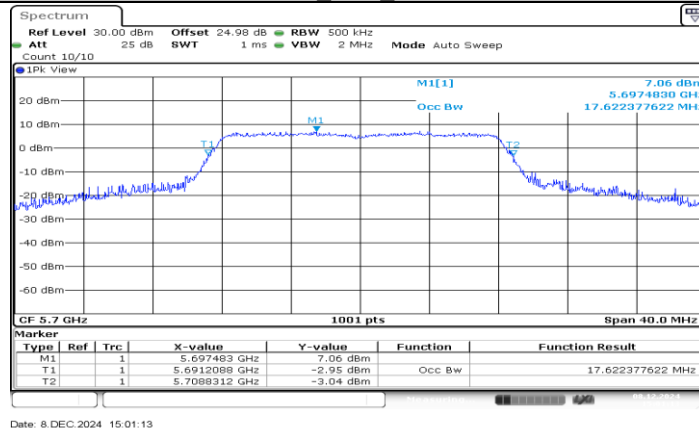
11A Ant1 5320



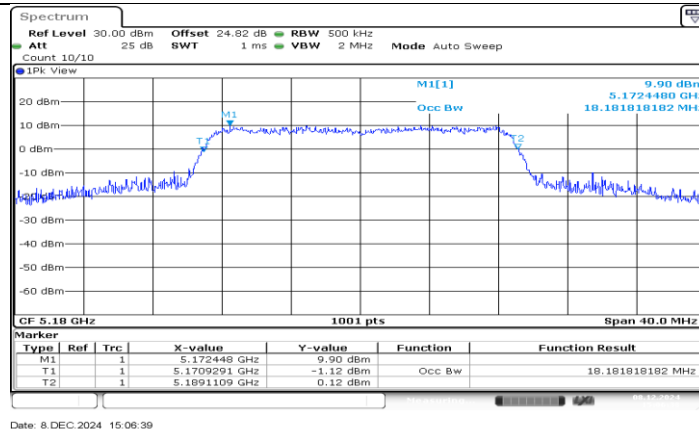
11A Ant1 5500



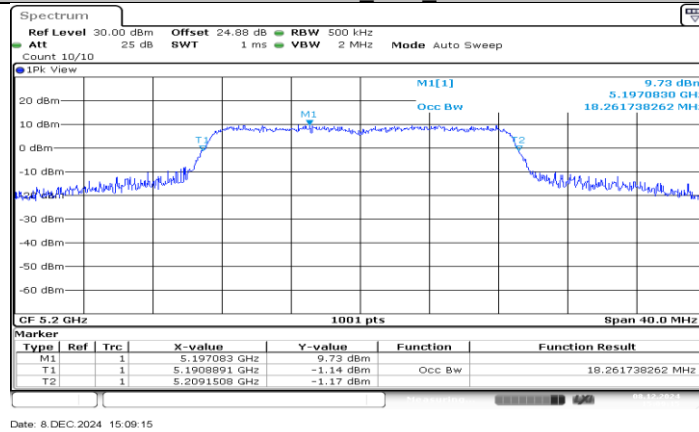
11A Ant1 5580



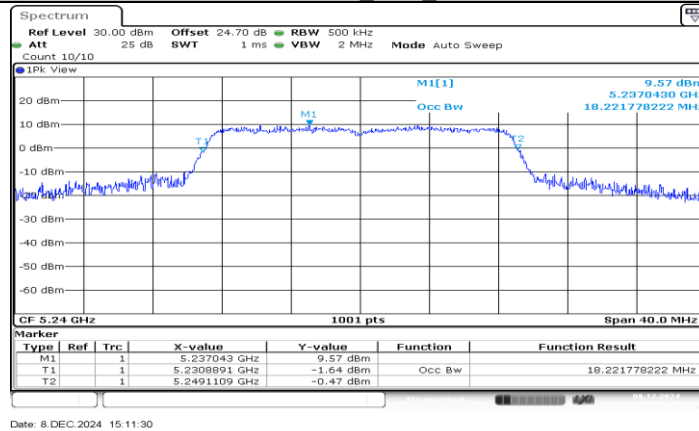
11A Ant1 5700



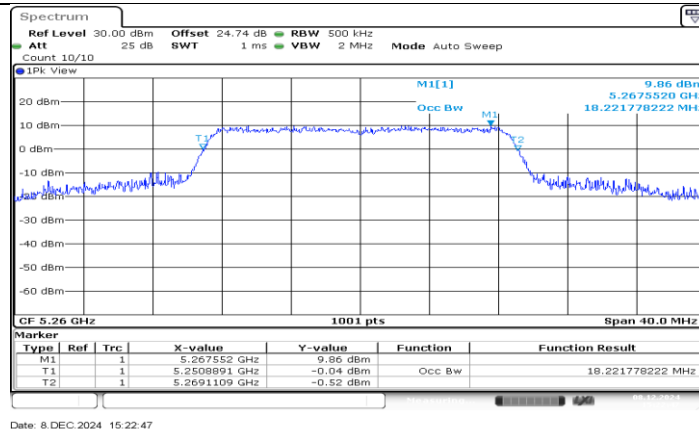
11N20SISO Ant1 5180



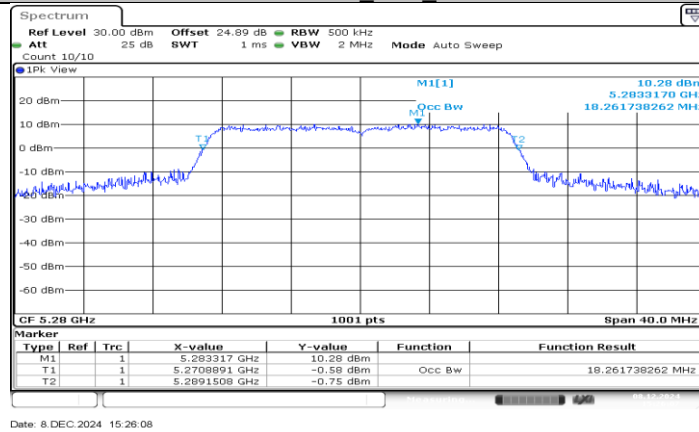
11N20SISO Ant1 5200



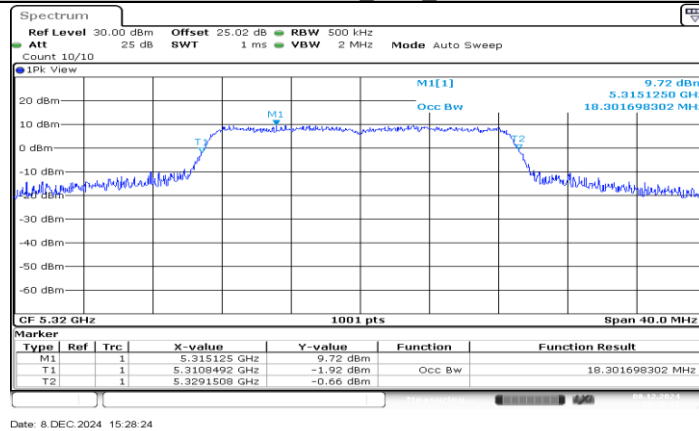
11N20SISO Ant1 5240



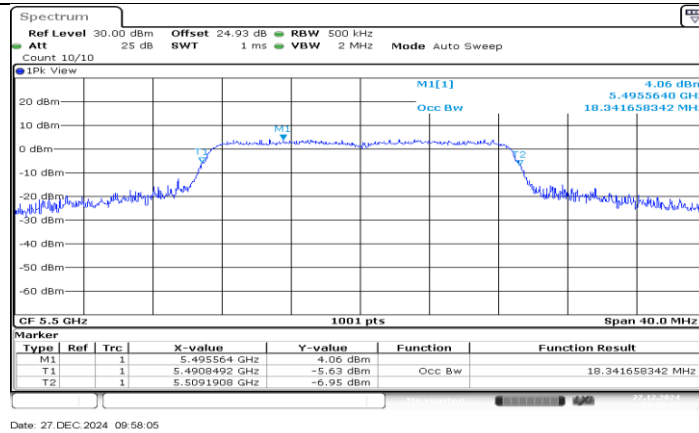
11N20SISO Ant1 5260



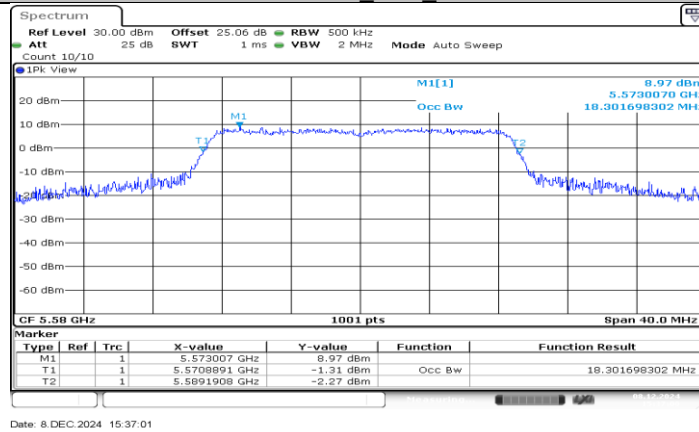
11N20SISO Ant1 5280



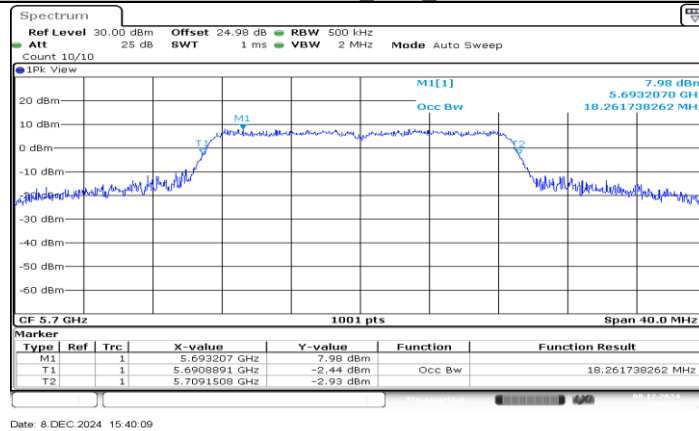
11N20SISO Ant1 5320



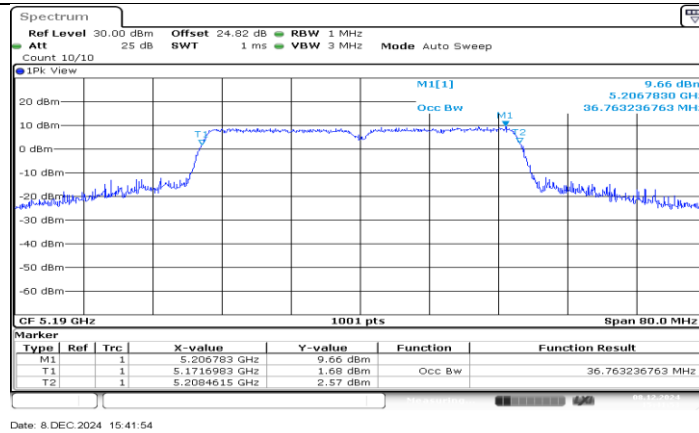
11N20SISO Ant1 5500



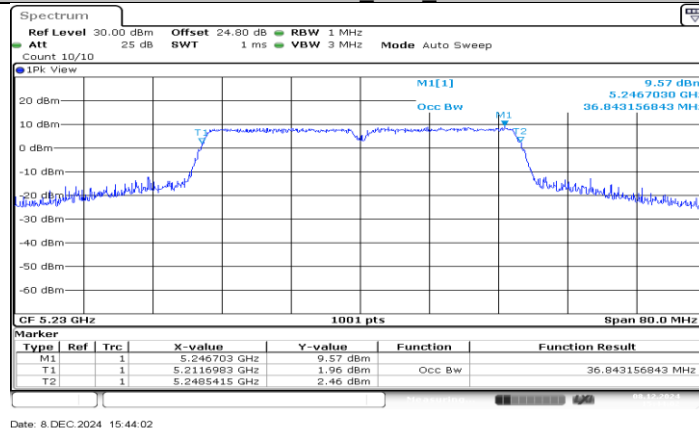
11N20SISO Ant1 5580



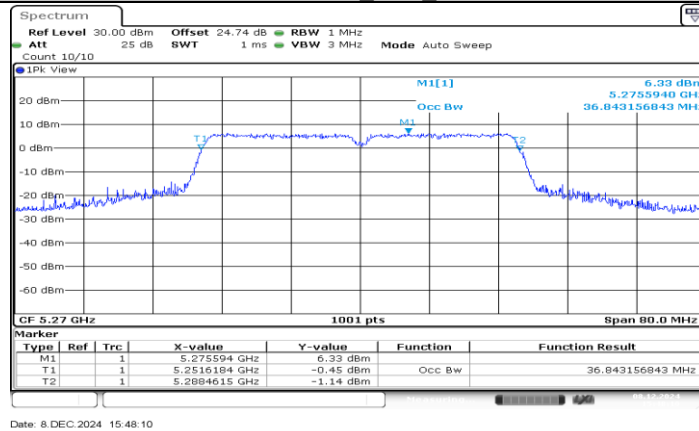
11N20SISO Ant1 5700



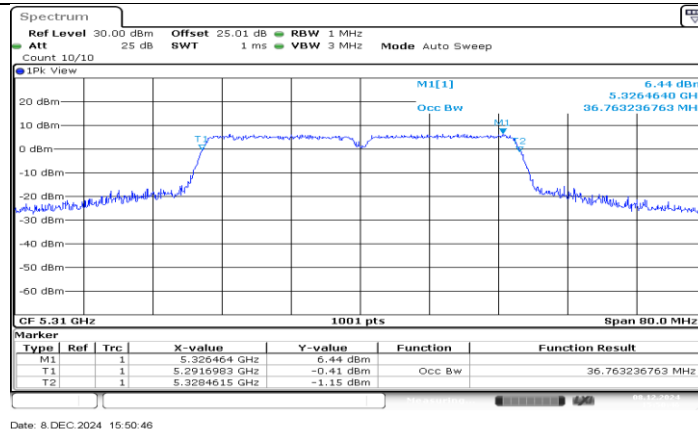
11N40SISO Ant1 5190



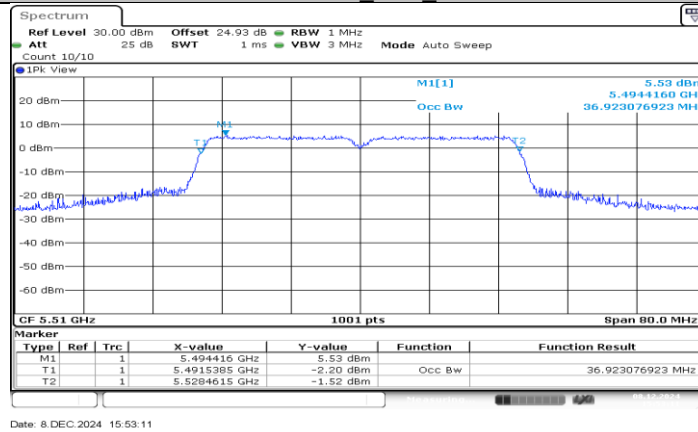
11N40SISO Ant1 5230



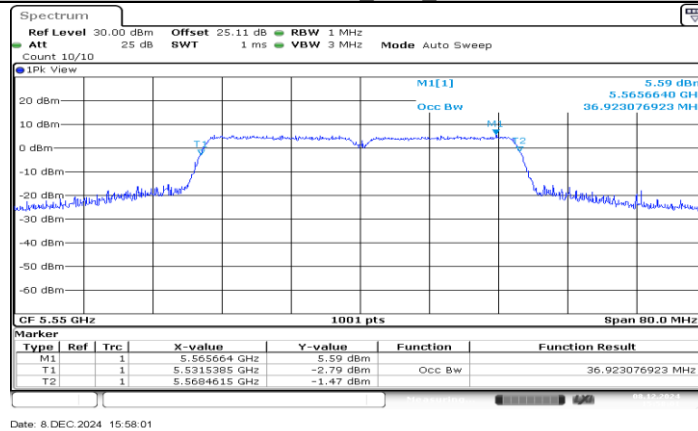
11N40SISO Ant1 5270



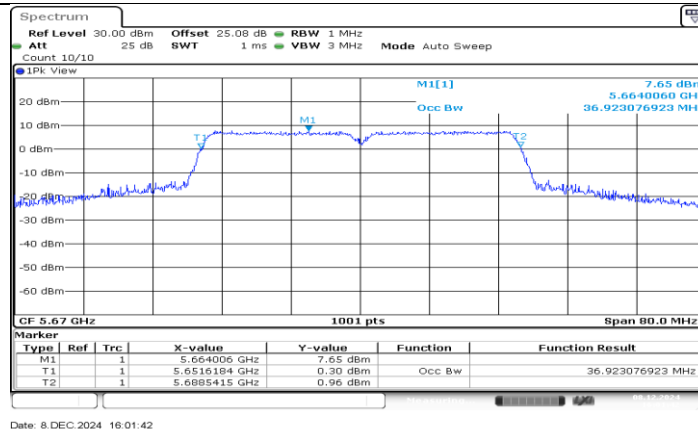
11N40SISO Ant1 5310



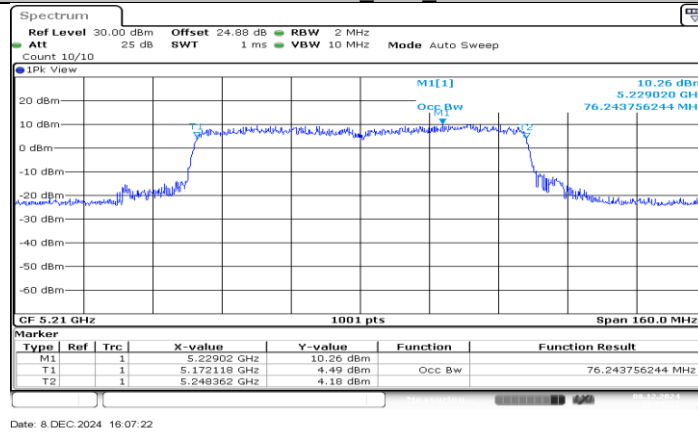
11N40SISO Ant1 5510



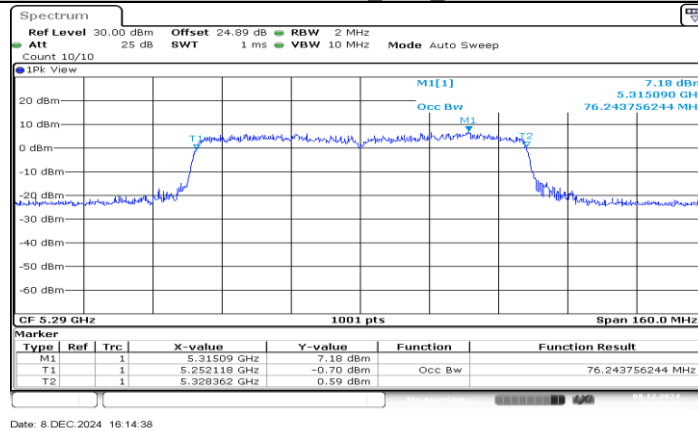
11N40SISO Ant1 5550



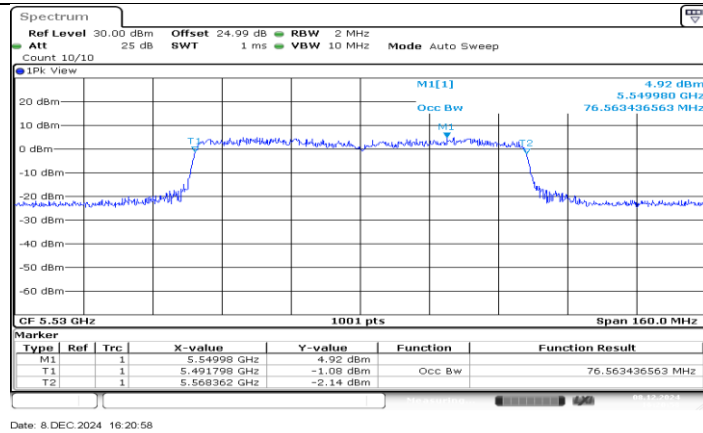
11N40SISO_Ant1_5670



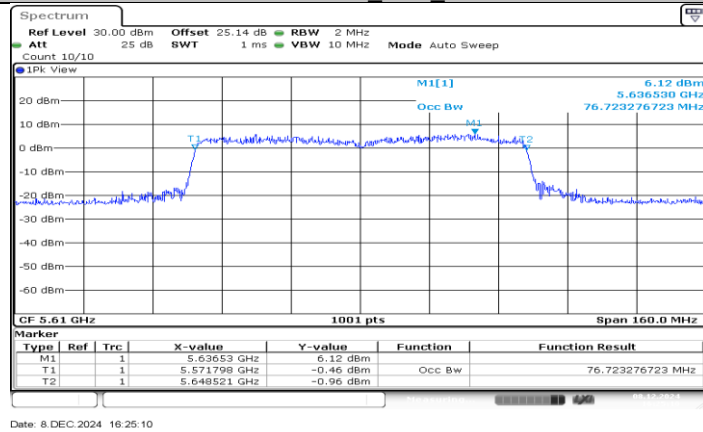
11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610

11.3. APPENDIX C: MAXIMUM CONDUCTED OUTPUT POWER

11.3.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	13.73	≤23.98	---	16.83	≤22.40	PASS
		5200	15.28	≤23.98	---	18.38	≤22.43	PASS
		5240	14.78	≤23.98	---	17.88	≤22.44	PASS
		5260	15.22	≤23.98	≤23.45	18.32	≤29.45	PASS
		5280	15.33	≤23.98	≤23.46	18.43	≤29.46	PASS
		5320	14.98	≤23.98	≤23.47	18.08	≤29.47	PASS
		5500	11.94	≤23.98	≤23.55	15.04	≤29.55	PASS
		5580	11.90	≤23.98	≤23.54	15.00	≤29.54	PASS
11N20SISO	Ant1	5700	10.10	≤23.98	≤23.46	13.20	≤29.46	PASS
		5180	14.99	≤23.98	---	18.09	≤22.60	PASS
		5200	15.28	≤23.98	---	18.38	≤22.62	PASS
		5240	14.93	≤23.98	---	18.03	≤22.61	PASS
		5260	13.30	≤23.98	≤23.61	16.40	≤29.61	PASS
		5280	13.94	≤23.98	≤23.62	17.04	≤29.62	PASS
		5320	12.56	≤23.98	≤23.62	15.66	≤29.62	PASS
		5500	10.84	≤23.98	≤23.63	13.94	≤29.63	PASS
11N40SISO	Ant1	5580	11.08	≤23.98	≤23.62	14.18	≤29.62	PASS
		5700	9.44	≤23.98	≤23.62	12.54	≤29.62	PASS
		5190	12.29	≤23.98	---	15.39	≤23.00	PASS
		5230	12.70	≤23.98	---	15.80	≤23.00	PASS
		5270	12.31	≤23.98	≤23.98	15.41	≤30.00	PASS
		5310	11.86	≤23.98	≤23.98	14.96	≤30.00	PASS
		5510	12.69	≤23.98	≤23.98	15.79	≤30.00	PASS
		5550	13.63	≤23.98	≤23.98	16.73	≤30.00	PASS
11AC80SISO	Ant1	5670	13.04	≤23.98	≤23.98	16.14	≤30.00	PASS
		5210	11.22	≤23.98	---	14.32	≤23.00	PASS
		5290	12.10	≤23.98	≤23.98	15.20	≤30.00	PASS
		5530	11.89	≤23.98	≤23.98	14.99	≤30.00	PASS
		5610	13.12	≤23.98	≤23.98	16.22	≤30.00	PASS

Note: 1. Conducted Power=Meas. Level+ Correction Factor

2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

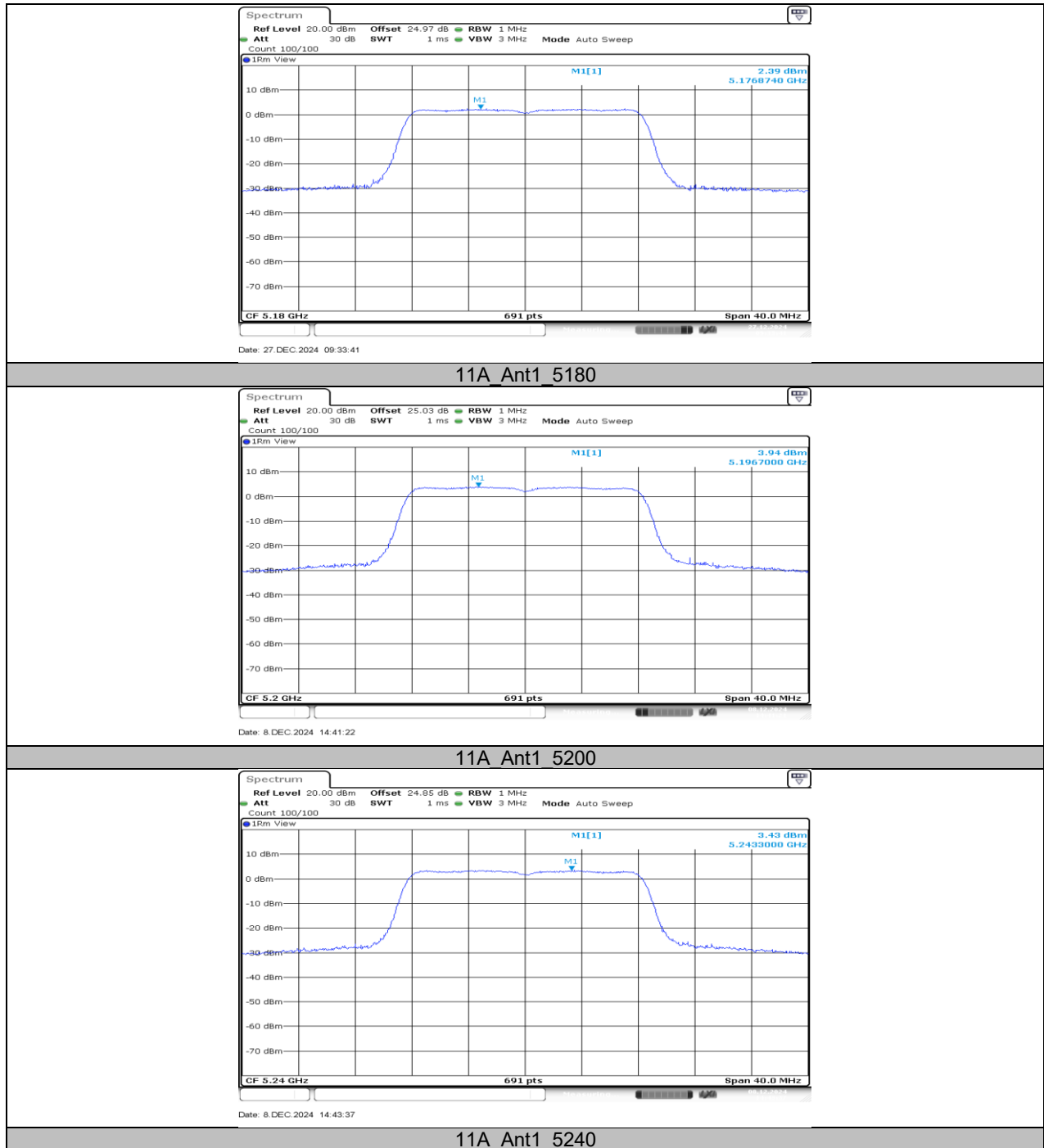
11.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

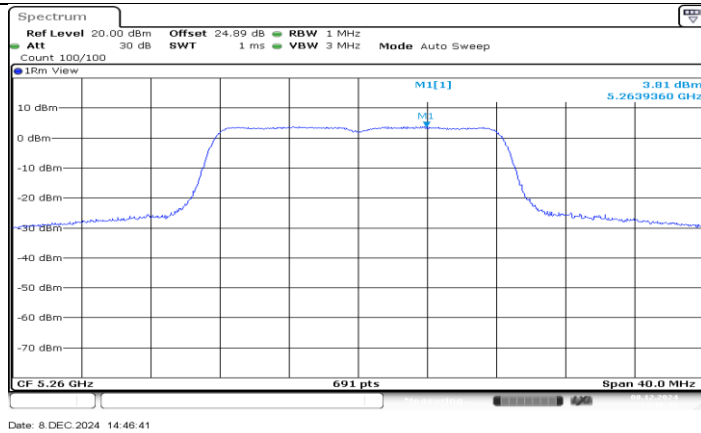
11.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	2.39	≤11.00	5.49	≤10.00	PASS
		5200	3.94	≤11.00	7.04	≤10.00	PASS
		5240	3.43	≤11.00	6.53	≤10.00	PASS
		5260	3.81	≤11.00	6.91	---	PASS
		5280	4.04	≤11.00	7.14	---	PASS
		5320	3.65	≤11.00	6.75	---	PASS
		5500	0.46	≤11.00	3.56	---	PASS
		5580	0.41	≤11.00	3.51	---	PASS
		5700	-1.31	≤11.00	1.79	---	PASS
11N20SISO	Ant1	5180	3.32	≤11.00	6.42	≤10.00	PASS
		5200	3.60	≤11.00	6.70	≤10.00	PASS
		5240	3.35	≤11.00	6.45	≤10.00	PASS
		5260	1.78	≤11.00	4.88	---	PASS
		5280	2.32	≤11.00	5.42	---	PASS
		5320	1.08	≤11.00	4.18	---	PASS
		5500	-0.82	≤11.00	2.28	---	PASS
		5580	-0.54	≤11.00	2.56	---	PASS
		5700	-2.08	≤11.00	1.02	---	PASS
11N40SISO	Ant1	5190	-2.41	≤11.00	0.69	≤10.00	PASS
		5230	-1.67	≤11.00	1.43	≤10.00	PASS
		5270	-2.42	≤11.00	0.68	---	PASS
		5310	-2.87	≤11.00	0.23	---	PASS
		5510	-1.74	≤11.00	1.36	---	PASS
		5550	-0.96	≤11.00	2.14	---	PASS
		5670	-1.58	≤11.00	1.52	---	PASS
11AC80SISO	Ant1	5210	-6.03	≤11.00	-2.93	≤10.00	PASS
		5290	-5.47	≤11.00	-2.37	---	PASS
		5530	-5.66	≤11.00	-2.56	---	PASS
		5610	-4.27	≤11.00	-1.17	---	PASS

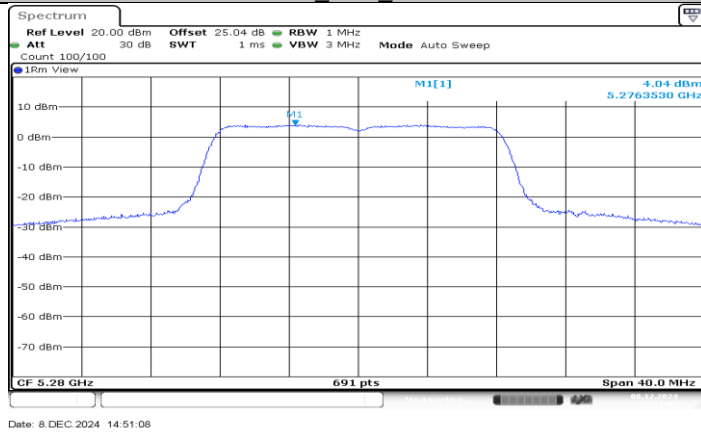
Note: 1. The Duty Cycle Factor and RBW Factor is compensated in the graph.

11.4.2. Test Graphs

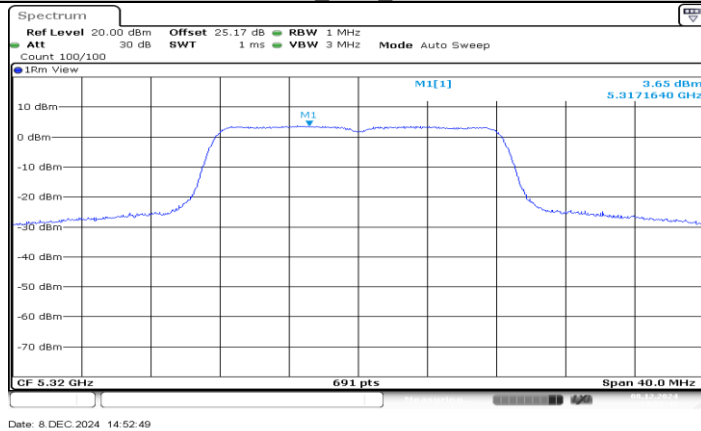




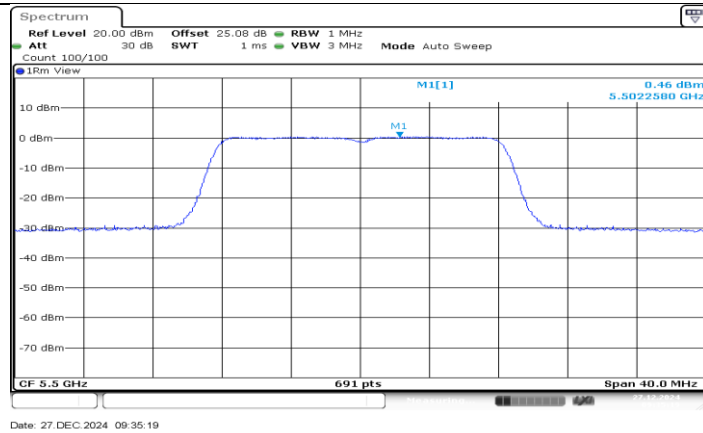
11A Ant1 5260



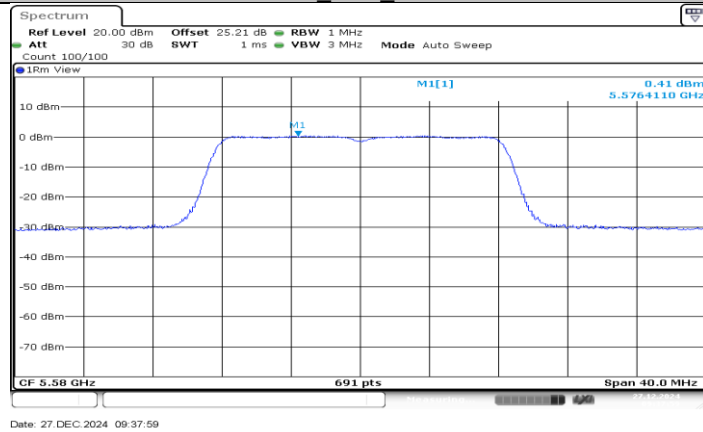
11A Ant1 5280



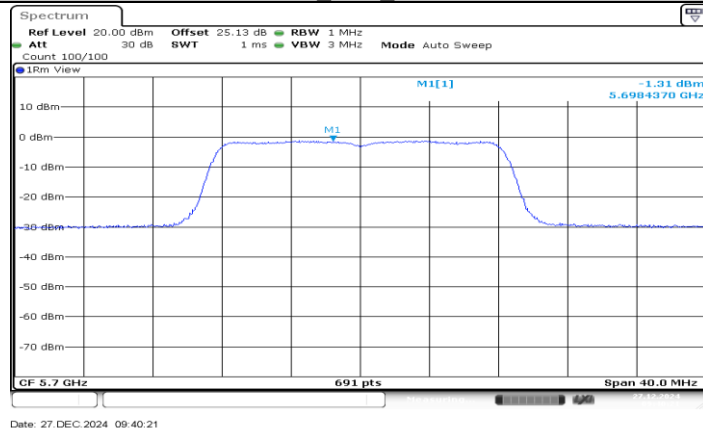
11A Ant1 5320



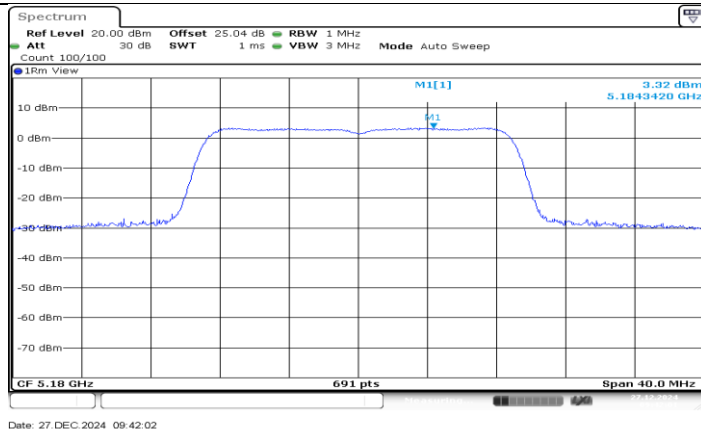
11A_Ant1_5500



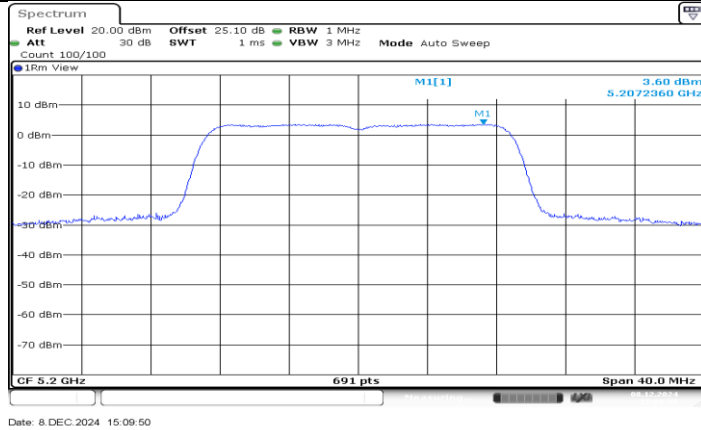
11A_Ant1_5580



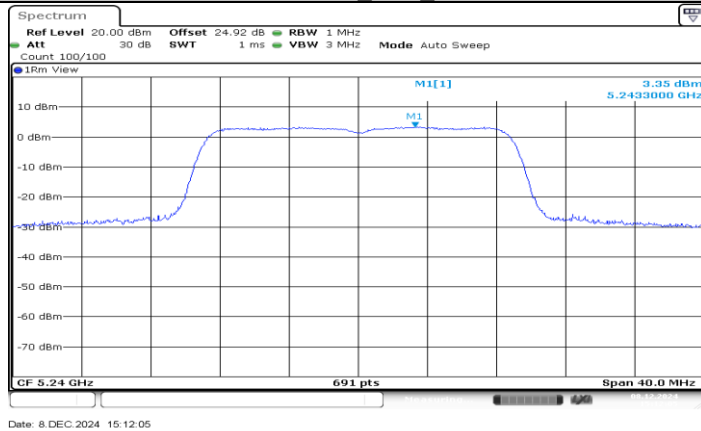
11A_Ant1_5700



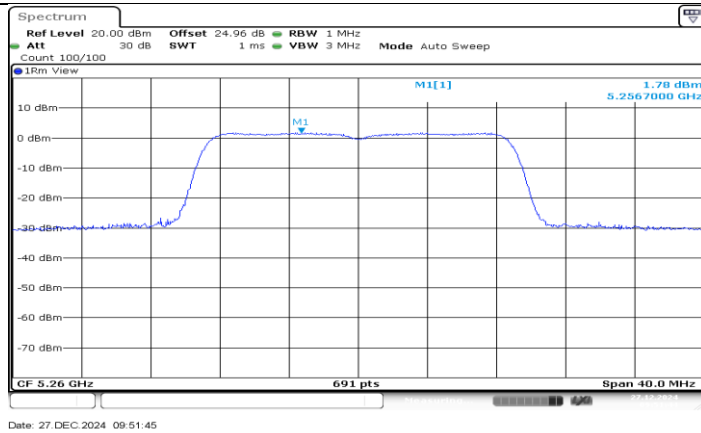
11N20SISO Ant1 5180



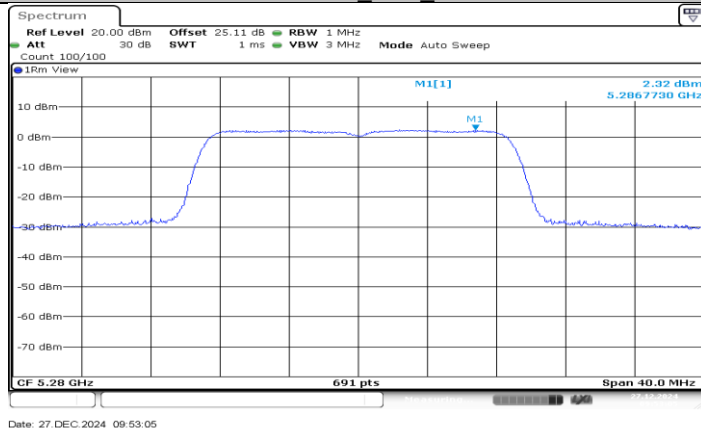
11N20SISO Ant1 5200



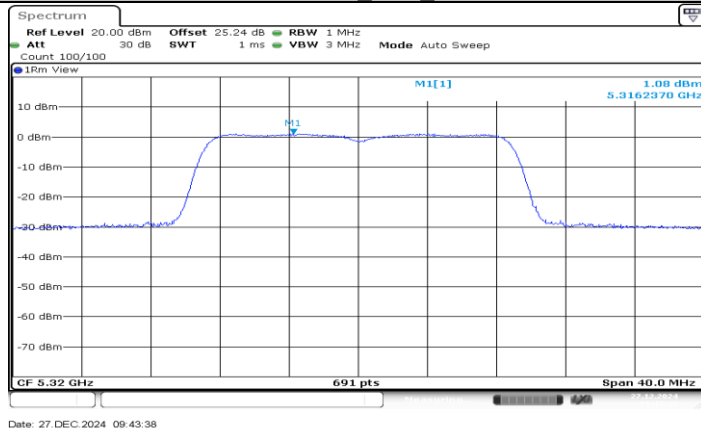
11N20SISO Ant1 5240



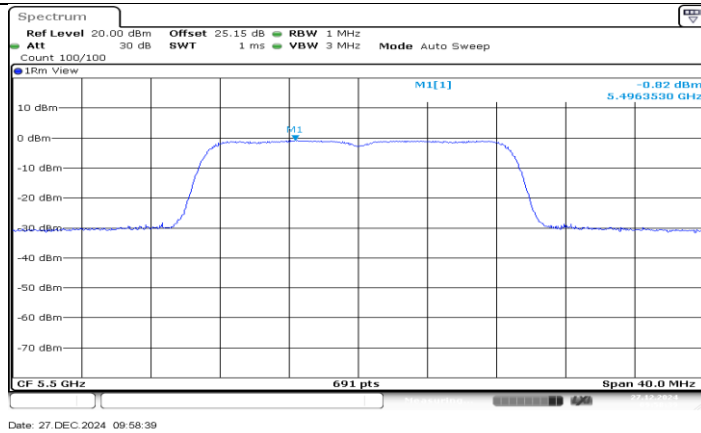
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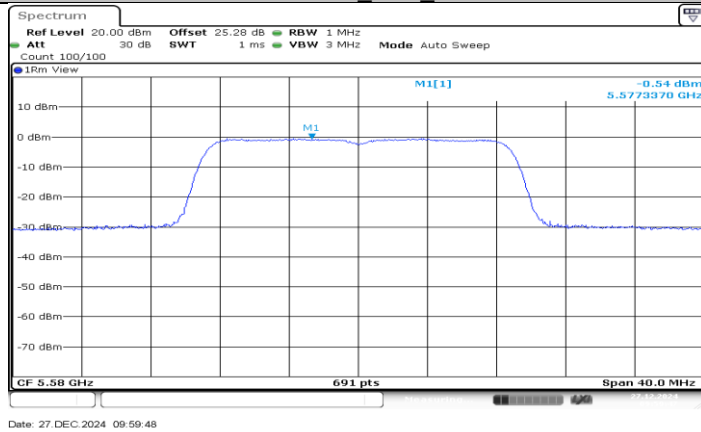
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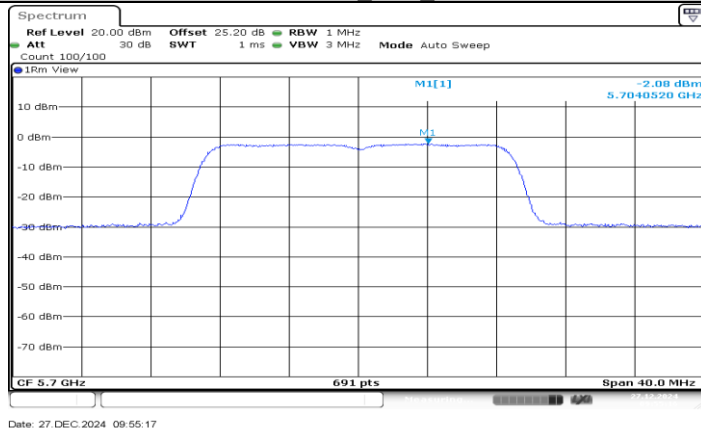
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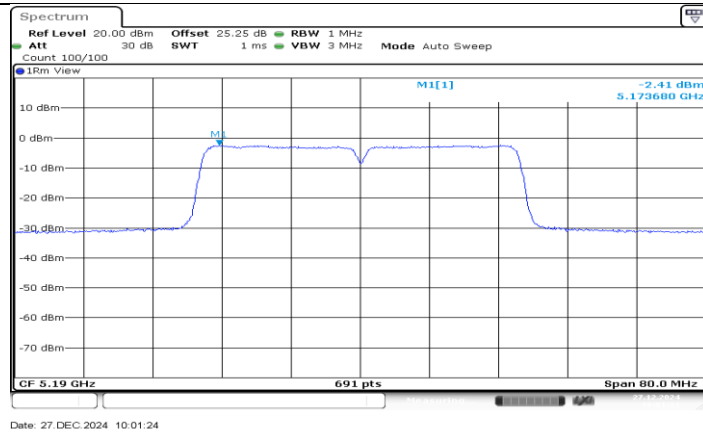
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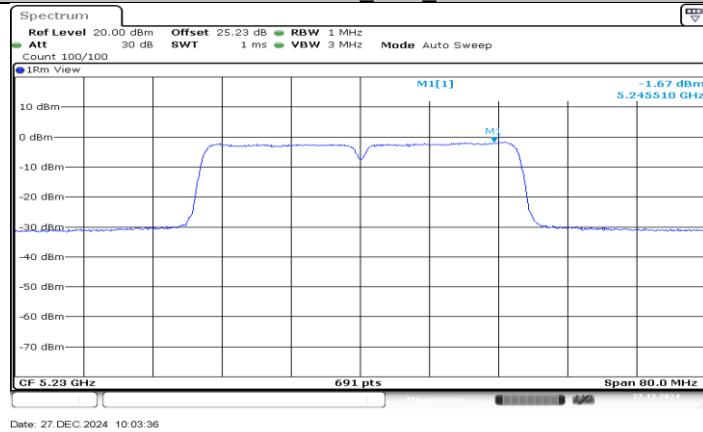
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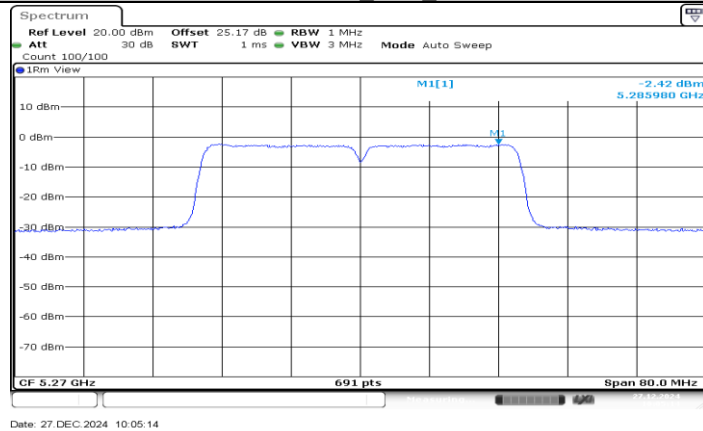
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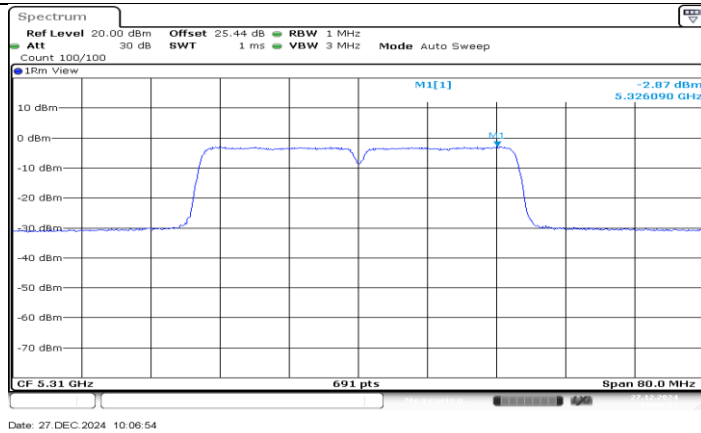
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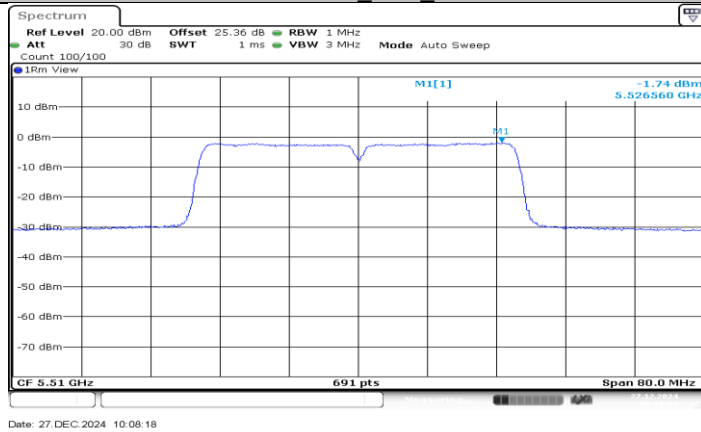
11N40SISO_Ant1_5230



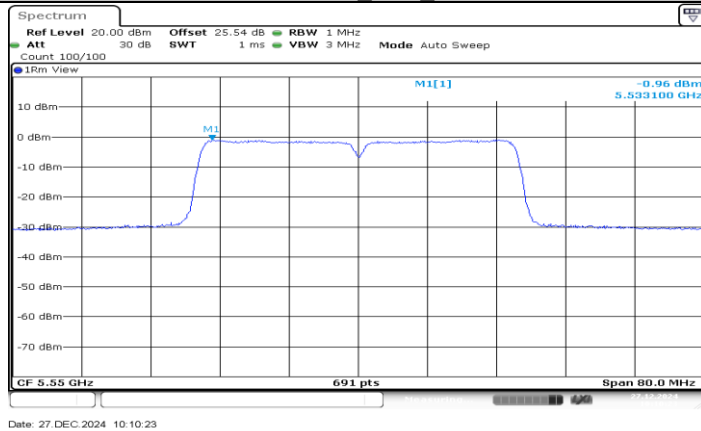
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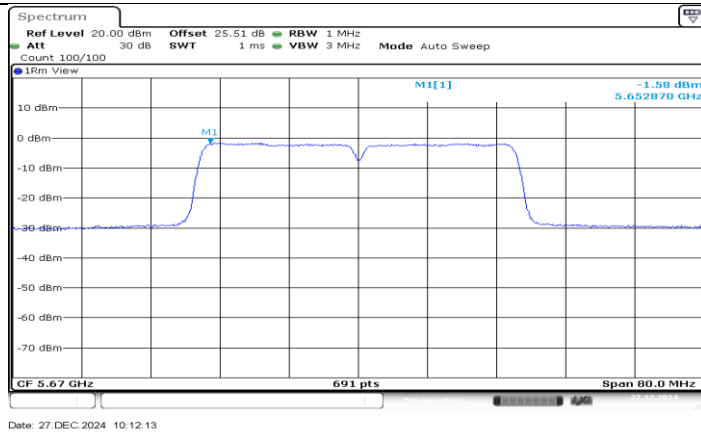
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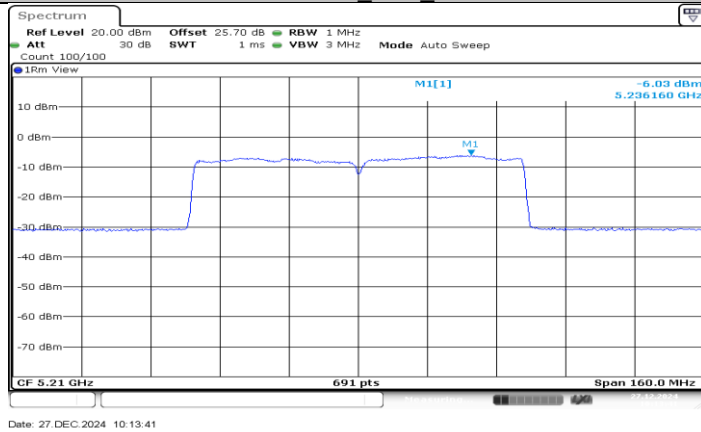
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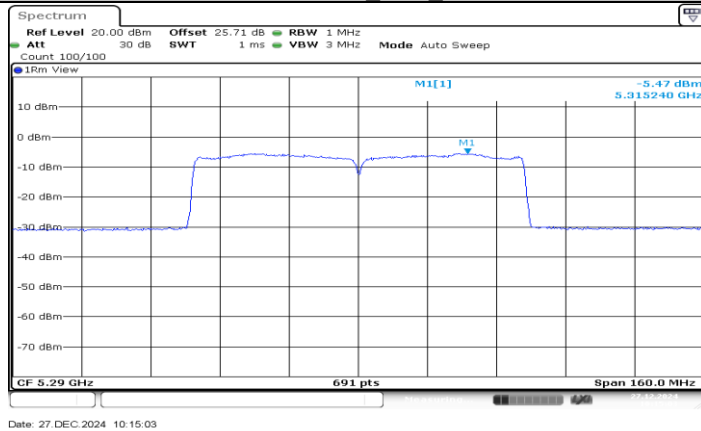
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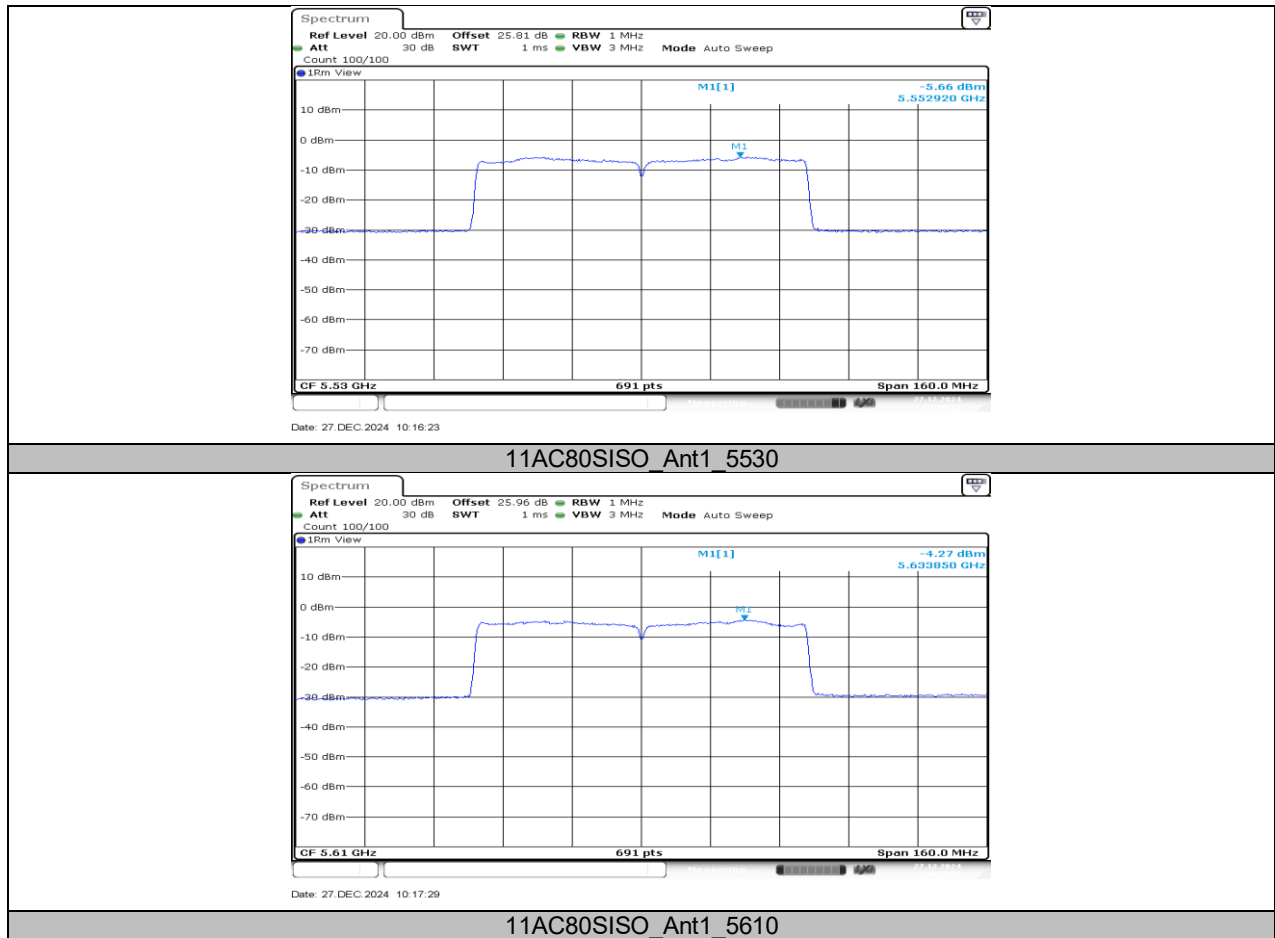
11N40SISO_Ant1_5670



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5290



11.5. APPENDIX E: FREQUENCY STABILITY

11.5.1. Test Result

Frequency Error vs. Voltage									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5199.9885	-2.22	5199.9779	-4.25	5199.9825	-3.37	5200.0139	2.67
TN	VN	5200.0159	3.06	5199.9875	-2.40	5200.0105	2.01	5200.0071	1.36
TN	VH	5200.0091	1.75	5200.0231	4.44	5200.0148	2.85	5199.9851	-2.86
Frequency Error vs. Temperature									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
50	VN	5199.9992	-0.15	5200.0071	1.36	5199.9977	-0.45	5200.0008	0.15
40	VN	5199.9751	-4.78	5199.9817	-3.52	5199.9872	-2.46	5200.0080	1.54
30	VN	5199.9951	-0.94	5199.9780	-4.24	5200.0220	4.24	5200.0097	1.86
20	VN	5199.9956	-0.85	5200.0240	4.62	5200.0066	1.27	5200.0071	1.36
10	VN	5200.0023	0.44	5200.0196	3.76	5199.9873	-2.45	5200.0181	3.48
0	VN	5199.9865	-2.59	5199.9831	-3.24	5200.0244	4.69	5199.9836	-3.15

Note:

1. All test modes and test channels have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 7.5 TEST ENVIRONMENT.

11.6. APPENDIX F: DUTY CYCLE

11.6.1. Test Result

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A	1.38	1.43	0.9650	96.50	0.15	0.72	1
11N20SISO	1.17	1.23	0.9512	95.12	0.22	0.85	1
11N40SISO	0.58	0.64	0.9063	90.63	0.43	1.72	2
11AC80SISO	0.29	0.35	0.8286	82.86	0.82	3.45	4

Note:

Duty Cycle Correction Factor = $10 \log (1/x)$.

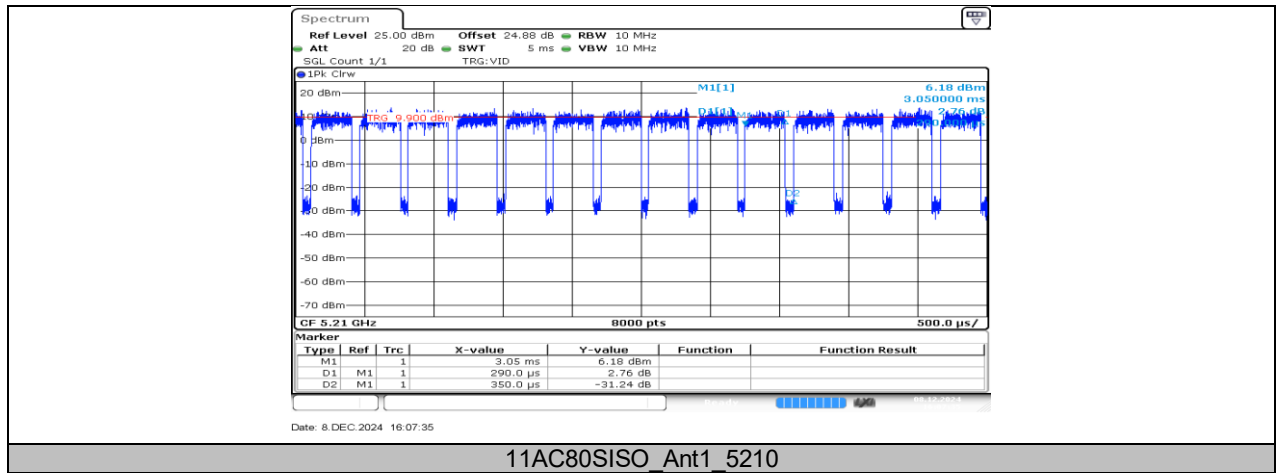
Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.

11.6.2. Test Graphs

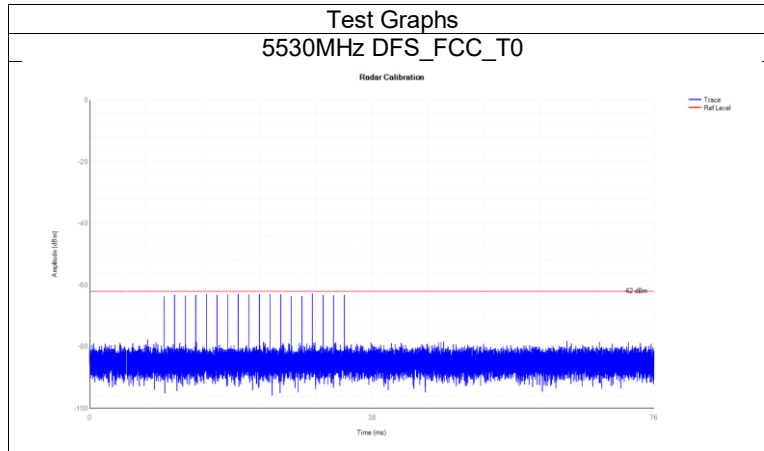




11.7. APPENDIX G: DFS

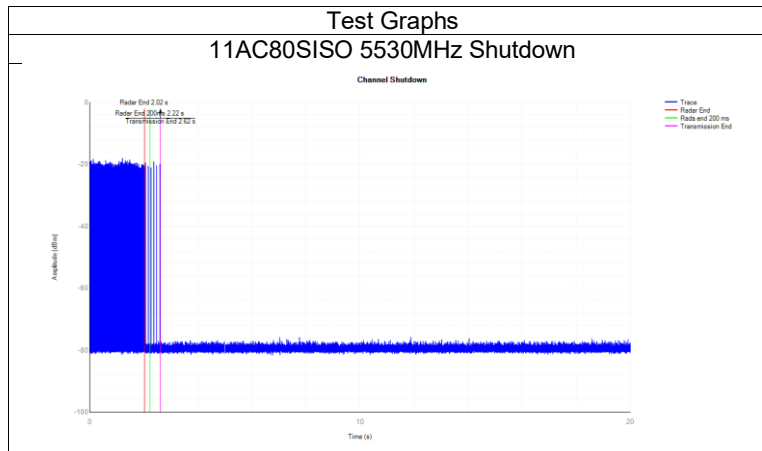
11.7.1. Calibration

Mode	Frequency (MHz)	Type	Result	Verdict
11AC80SISO	5530	DFS_FCC_T0	See test Graph	Pass



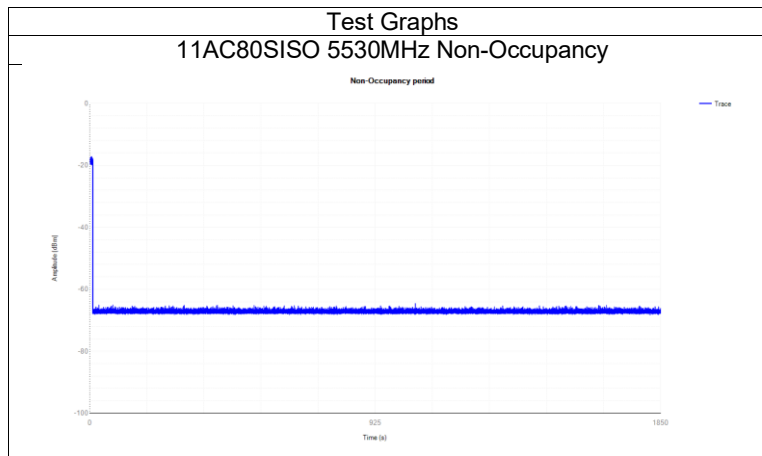
11.7.2. Shutdown Time

Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
11AC80SISO	5530	0.591	10	0.033	0.26	0.027	0.06	Pass



11.7.3. Non-Occupancy

Mode	Frequency (MHz)	Result	Verdict
11AC80SISO	5530	See test Graph	Pass



END OF REPORT