

Appendix for WLAN 5G

Model: VNE-N41

BTL-FCCP-4-2204C233

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1. Appendix A: 6 & 26 dB Bandwidth

1.1 Test Result

26dB Bandwidth

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	23.16	5168.40	5191.56	---	Pass
		5200	21.68	5189.32	5211.00	---	Pass
		5240	21.80	5229.24	5251.04	---	Pass
		5260	22.32	5248.96	5271.28	---	Pass
		5280	21.44	5269.56	5291.00	---	Pass
		5300	22.00	5289.28	5311.28	---	Pass
		5320	22.48	5308.80	5331.28	---	Pass
		5500	22.12	5488.92	5511.04	---	Pass
		5520	23.40	5508.52	5531.92	---	Pass
		5580	23.00	5568.28	5591.28	---	Pass
		5660	23.16	5648.76	5671.92	---	Pass
		5680	22.68	5668.68	5691.36	---	Pass
		5700	22.36	5688.80	5711.16	---	Pass
		5720	22.52	5708.72	5731.24	---	Pass
		5720_UNII-2C	16.28	5708.72	5725	---	Pass
		5720_UNII-3	6.24	5725	5731.24	---	Pass
		5745	23.24	5733.04	5756.28	---	Pass
		5785	24.48	5772.76	5797.24	---	Pass
5825	22.20	5813.88	5836.08	---	Pass		

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11N20SISO	Ant1	5180	22.80	5168.84	5191.64	---	Pass
		5200	23.20	5188.08	5211.28	---	Pass
		5240	21.92	5229.12	5251.04	---	Pass
		5260	22.36	5248.64	5271.00	---	Pass
		5280	22.20	5268.84	5291.04	---	Pass
		5300	23.20	5289.00	5312.20	---	Pass
		5320	23.16	5308.72	5331.88	---	Pass
		5500	22.96	5488.64	5511.60	---	Pass
		5520	24.96	5507.40	5532.36	---	Pass
		5580	25.08	5567.48	5592.56	---	Pass
		5660	23.00	5648.68	5671.68	---	Pass
		5680	23.88	5668.04	5691.92	---	Pass
		5700	22.64	5688.32	5710.96	---	Pass
		5720	25.28	5706.84	5732.12	---	Pass
		5720_UNII-2C	18.16	5706.84	5725	---	Pass
		5720_UNII-3	7.12	5725	5732.12	---	Pass
		5745	23.36	5733.68	5757.04	---	Pass
		5785	22.84	5773.72	5796.56	---	Pass
		5825	22.56	5813.64	5836.20	---	Pass
11N40SISO	Ant1	5190	41.52	5169.28	5210.80	---	Pass
		5230	42.00	5209.12	5251.12	---	Pass
		5270	41.60	5249.28	5290.88	---	Pass
		5310	41.68	5289.12	5330.80	---	Pass
		5510	41.76	5488.88	5530.64	---	Pass
		5550	41.76	5529.12	5570.88	---	Pass
		5630	41.68	5609.12	5650.80	---	Pass
		5670	41.12	5649.36	5690.48	---	Pass
		5710	41.84	5689.12	5730.96	---	Pass
		5710_UNII-2C	35.88	5689.12	5725	---	Pass
		5710_UNII-3	5.96	5725	5730.96	---	Pass
		5755	41.52	5734.28	5775.80	---	Pass
		5795	41.36	5774.36	5815.72	---	Pass

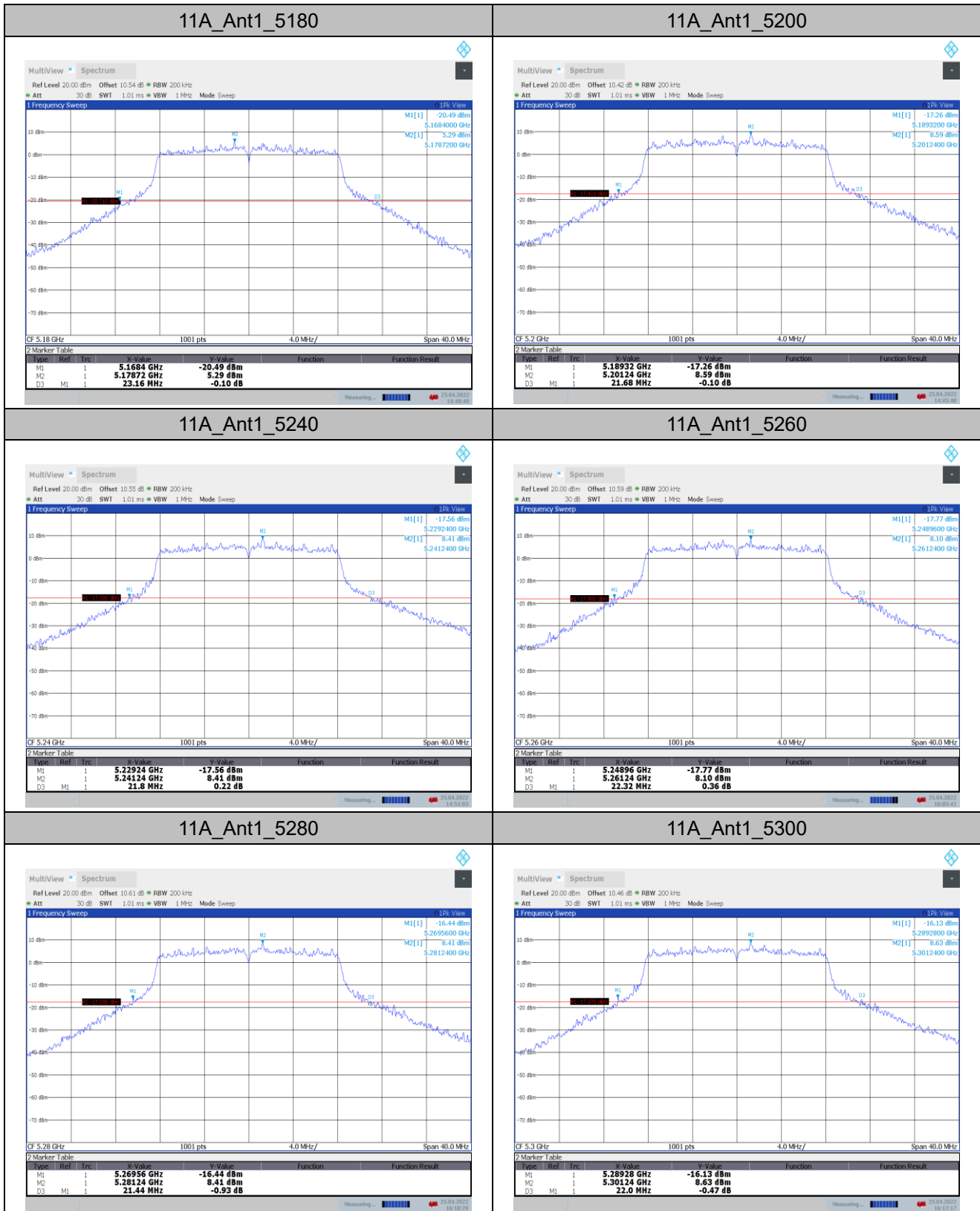
TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11AC20SISO	Ant1	5180	23.00	5168.68	5191.68	---	Pass
		5200	22.24	5189.00	5211.24	---	Pass
		5240	22.76	5228.84	5251.60	---	Pass
		5260	22.32	5248.88	5271.20	---	Pass
		5280	22.96	5268.72	5291.68	---	Pass
		5300	22.68	5288.80	5311.48	---	Pass
		5320	22.48	5308.76	5331.24	---	Pass
		5500	23.32	5488.36	5511.68	---	Pass
		5520	24.68	5508.08	5532.76	---	Pass
		5580	25.08	5567.40	5592.48	---	Pass
		5660	23.84	5648.32	5672.16	---	Pass
		5680	22.96	5668.36	5691.32	---	Pass
		5700	23.24	5688.36	5711.60	---	Pass
		5720	23.76	5708.64	5732.40	---	Pass
		5720_UNII-2C	16.36	5708.64	5725	---	Pass
		5720_UNII-3	7.4	5725	5732.40	---	Pass
		5745	23.72	5733.00	5756.72	---	Pass
		5785	22.64	5773.96	5796.60	---	Pass
5825	24.04	5813.12	5837.16	---	Pass		
11AC40SISO	Ant1	5190	41.68	5169.20	5210.88	---	Pass
		5230	41.44	5209.28	5250.72	---	Pass
		5270	41.60	5249.28	5290.88	---	Pass
		5310	41.44	5289.28	5330.72	---	Pass
		5510	41.76	5488.96	5530.72	---	Pass
		5550	41.52	5529.20	5570.72	---	Pass
		5630	41.28	5609.28	5650.56	---	Pass
		5670	41.60	5649.20	5690.80	---	Pass
		5710	42.08	5689.12	5731.20	---	Pass
		5710_UNII-2C	35.88	5689.12	5725	---	Pass
		5710_UNII-3	6.2	5725	5731.20	---	Pass
		5755	41.60	5734.20	5775.80	---	Pass
		5795	41.52	5774.36	5815.88	---	Pass
11AC80SISO	Ant1	5210	83.84	5168.24	5252.08	---	Pass
		5290	83.84	5248.24	5332.08	---	Pass
		5530	83.84	5488.08	5571.92	---	Pass
		5610	87.04	5566.00	5653.04	---	Pass
		5690	84.00	5647.92	5731.92	---	Pass
		5690_UNII-2C	77.08	5647.92	5725	---	Pass
		5690_UNII-3	6.92	5725	5731.92	---	Pass
		5775	91.52	5731.96	5823.48	---	Pass

6dB Bandwidth

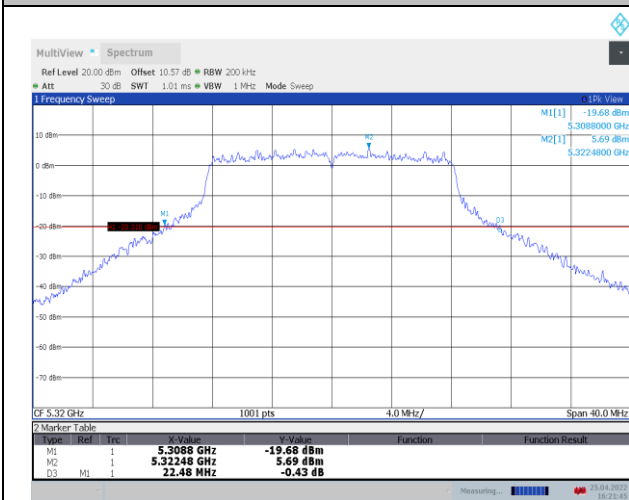
TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.64	5737.20	5752.84	0.5	PASS
		5785	15.32	5777.40	5792.72	0.5	PASS
		5825	15.32	5817.40	5832.72	0.5	PASS
11N20SISO	Ant1	5745	15.52	5737.20	5752.72	0.5	PASS
		5785	15.12	5777.40	5792.52	0.5	PASS
		5825	15.12	5817.40	5832.52	0.5	PASS
11N40SISO	Ant1	5755	35.12	5737.40	5772.52	0.5	PASS
		5795	35.92	5777.16	5813.08	0.5	PASS
11AC20SISO	Ant1	5745	16.28	5736.84	5753.12	0.5	PASS
		5785	15.12	5777.44	5792.56	0.5	PASS
		5825	15.12	5817.40	5832.52	0.5	PASS
11AC40SISO	Ant1	5755	35.44	5737.40	5772.84	0.5	PASS
		5795	35.44	5777.40	5812.84	0.5	PASS
11AC80SISO	Ant1	5775	75.20	5737.40	5812.60	0.5	PASS

1.2 Test Graphs

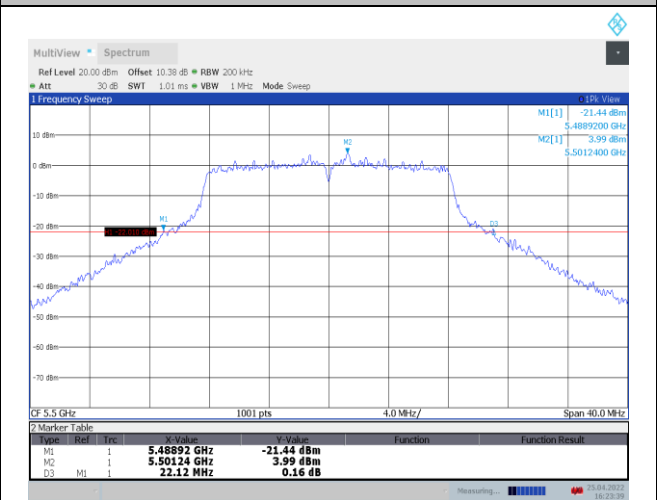
26dB Bandwidth



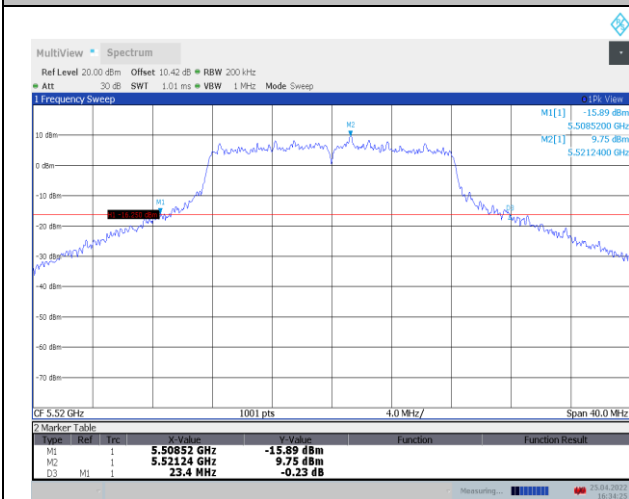
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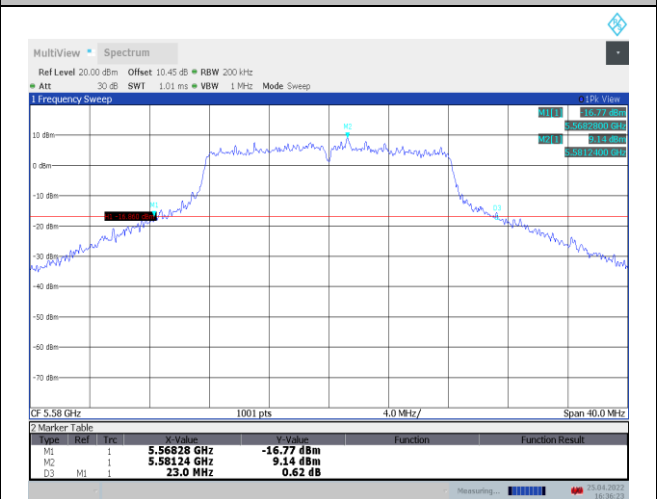
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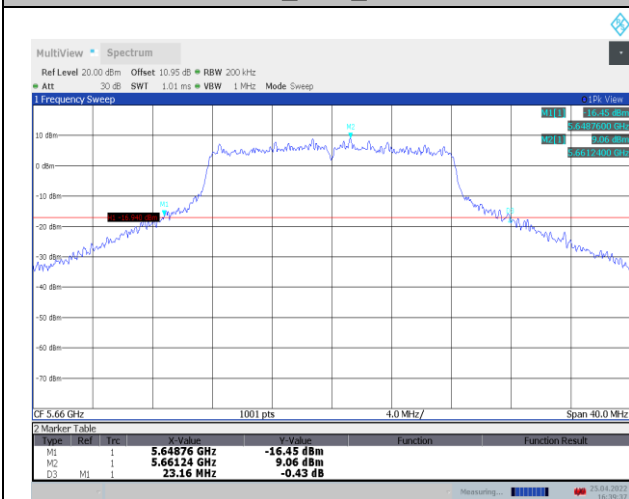
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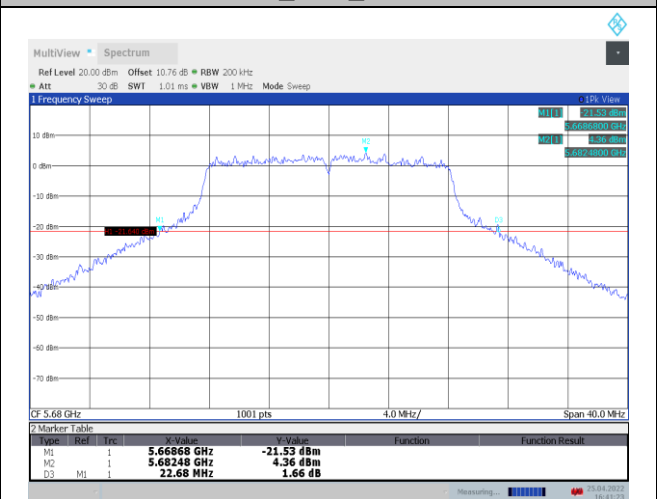
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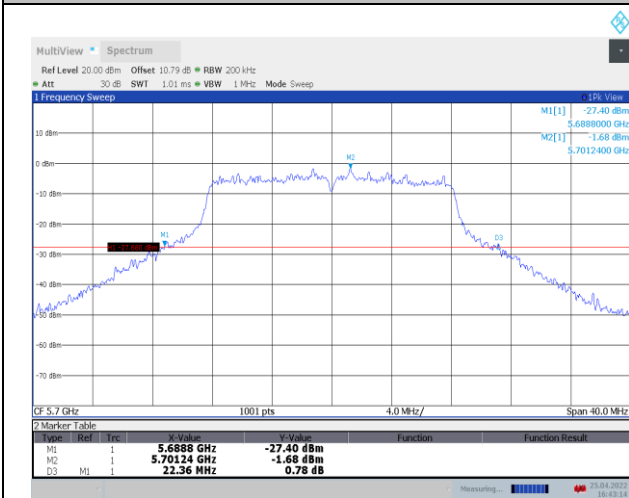
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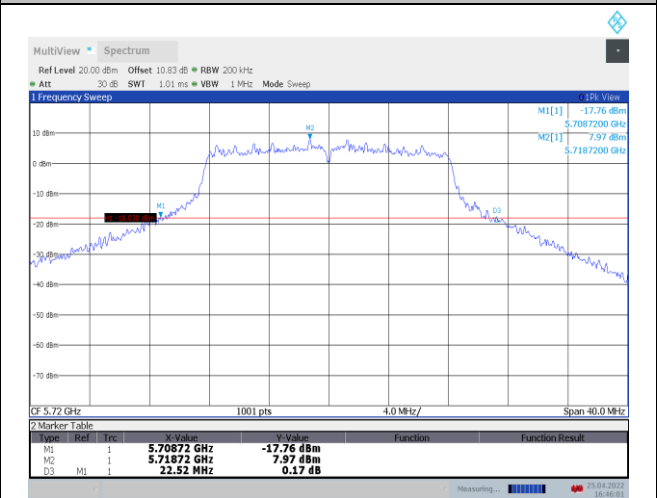
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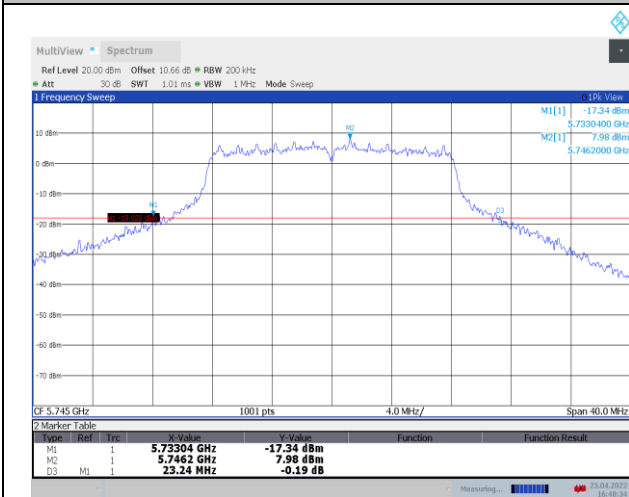
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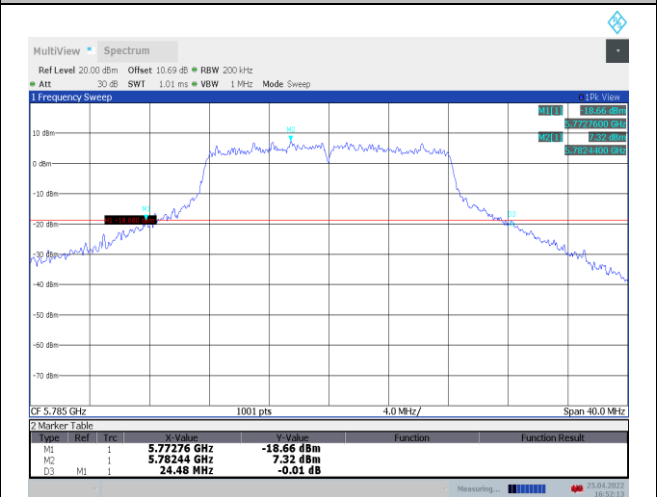
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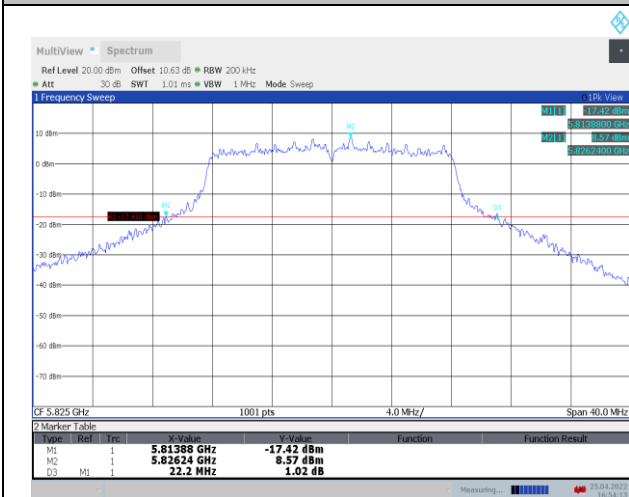
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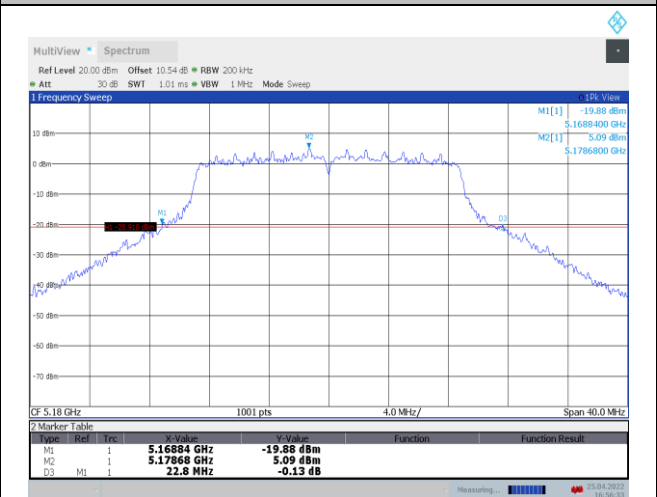
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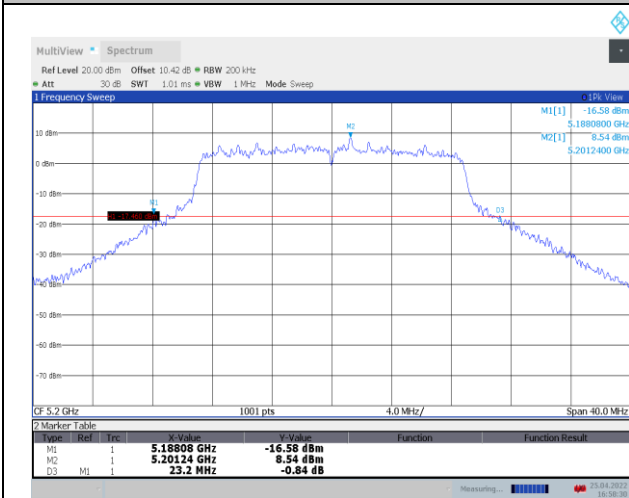
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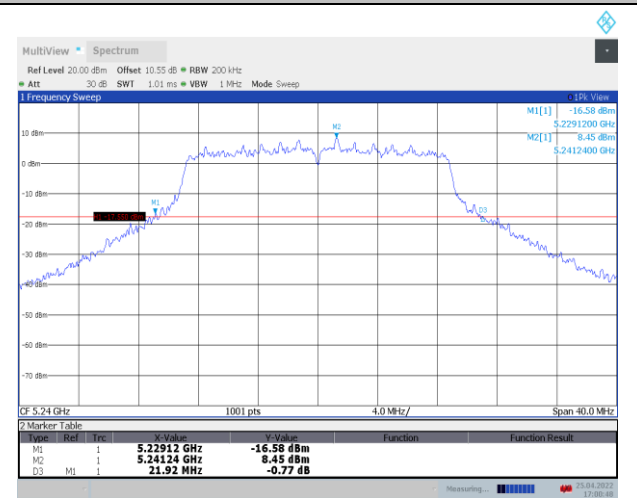
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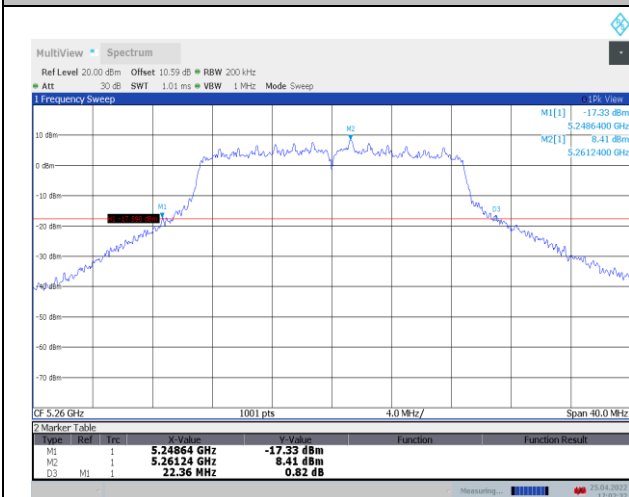
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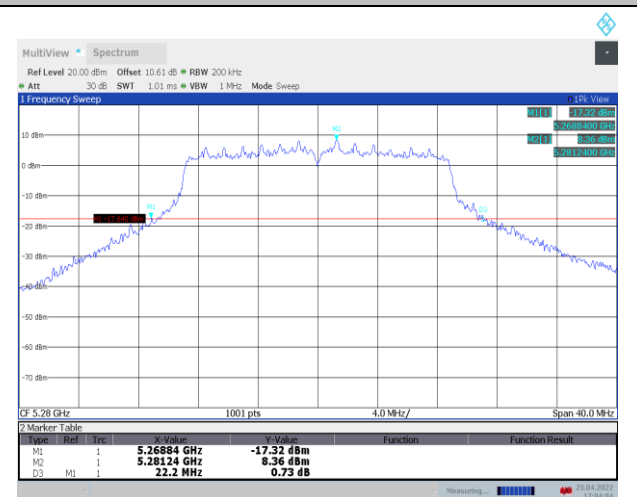
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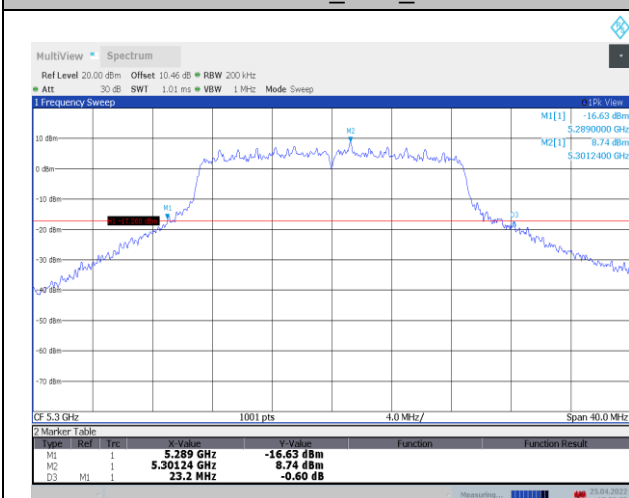
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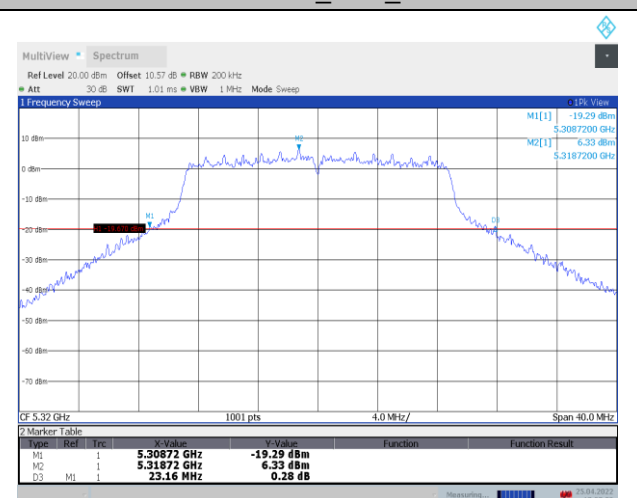
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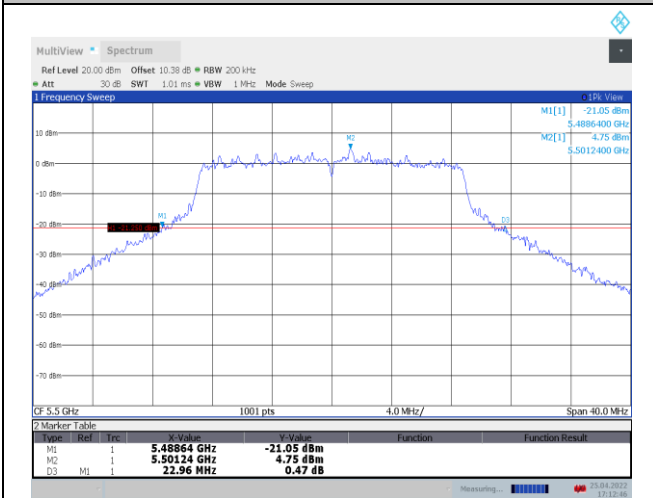
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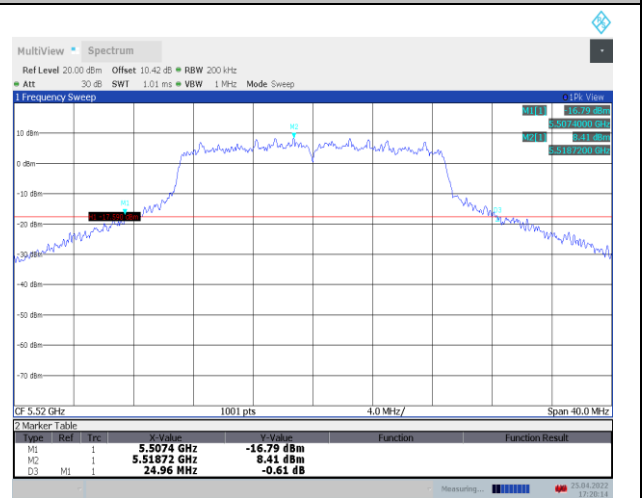
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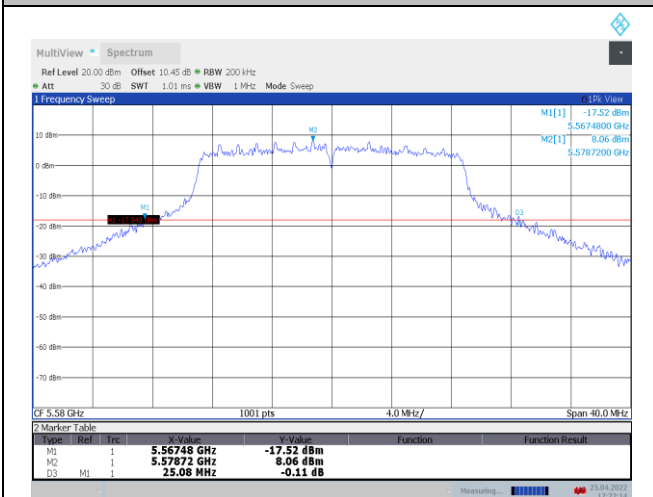
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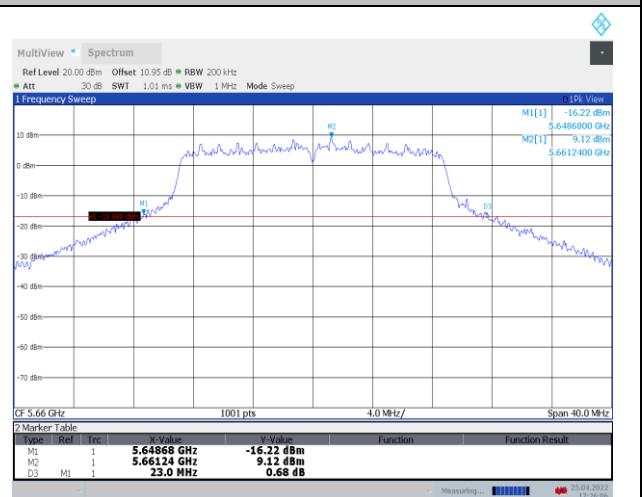
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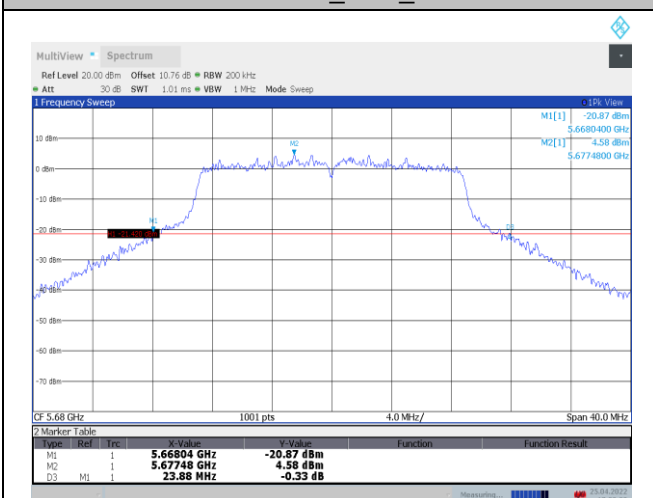
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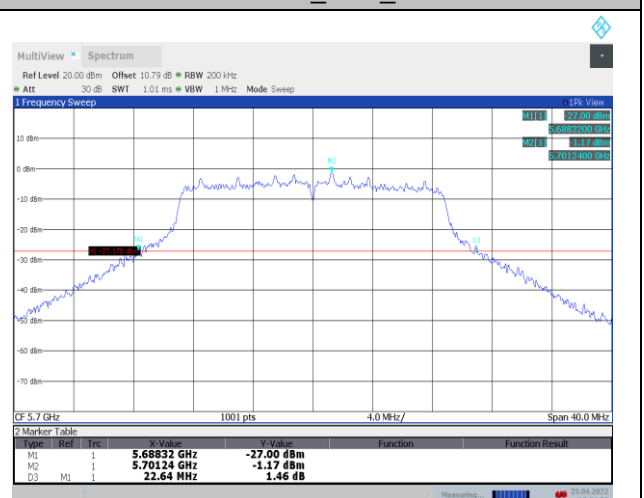
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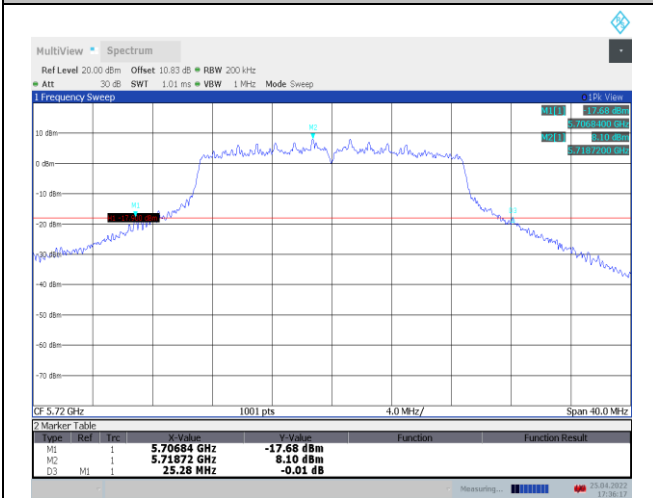
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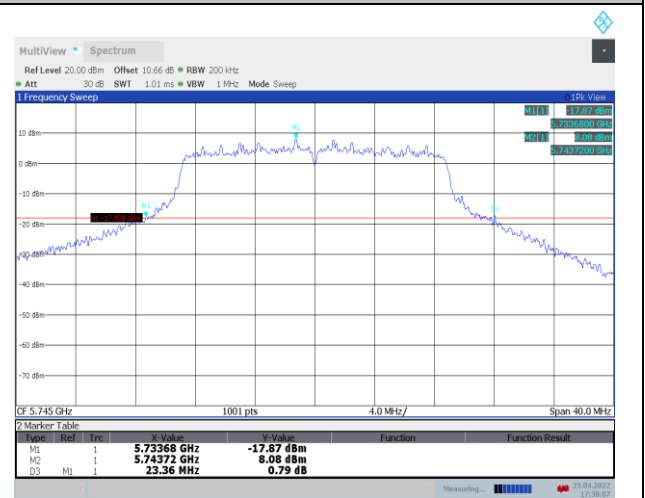
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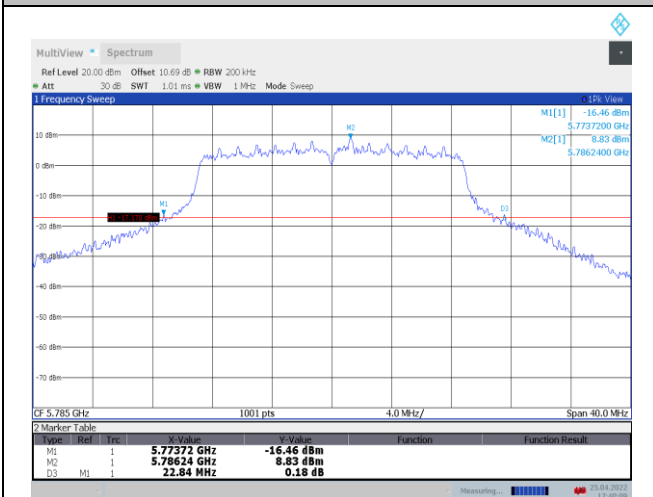
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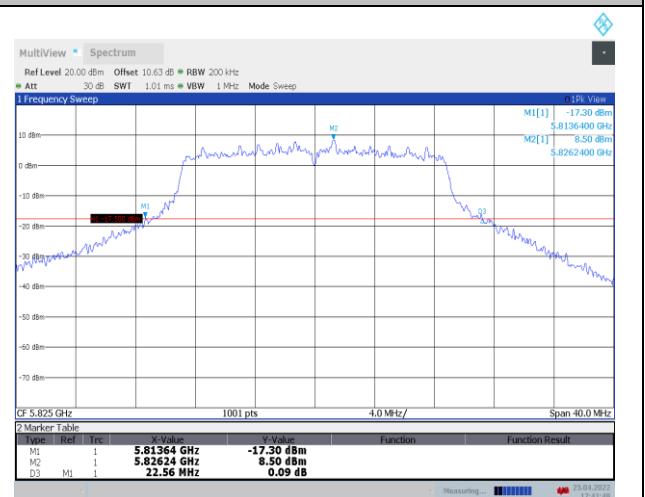
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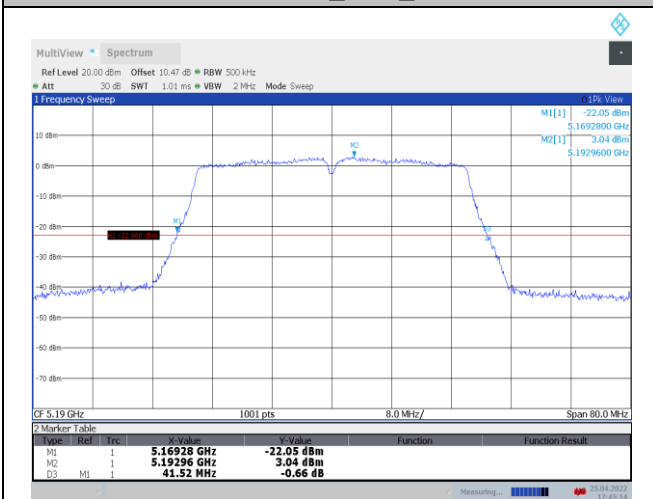
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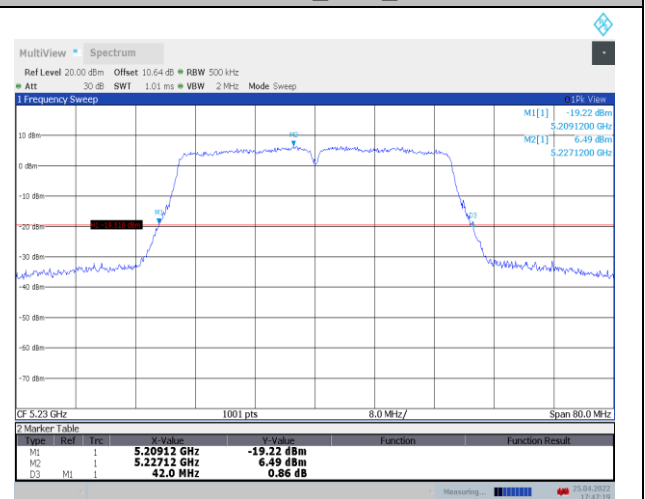
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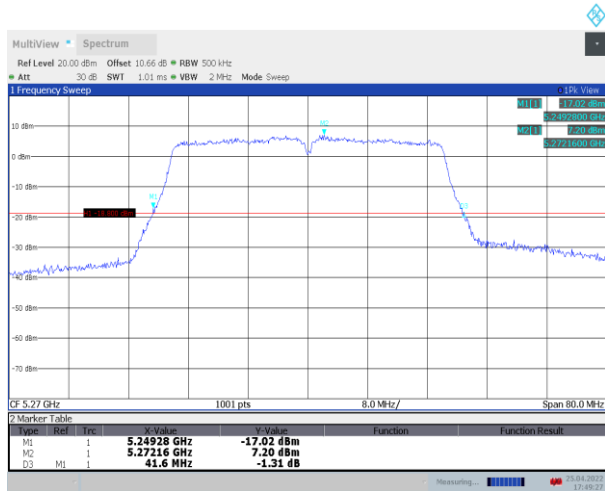
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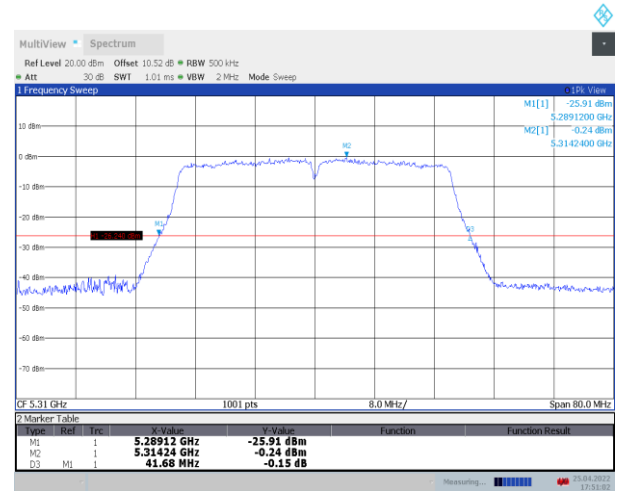
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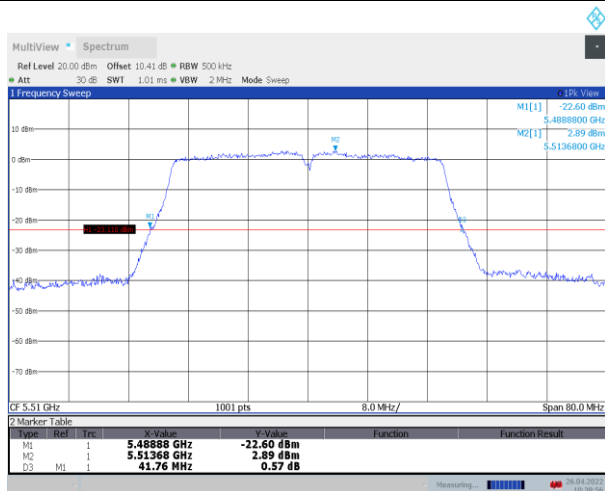
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11N40SISO_Ant1_5310



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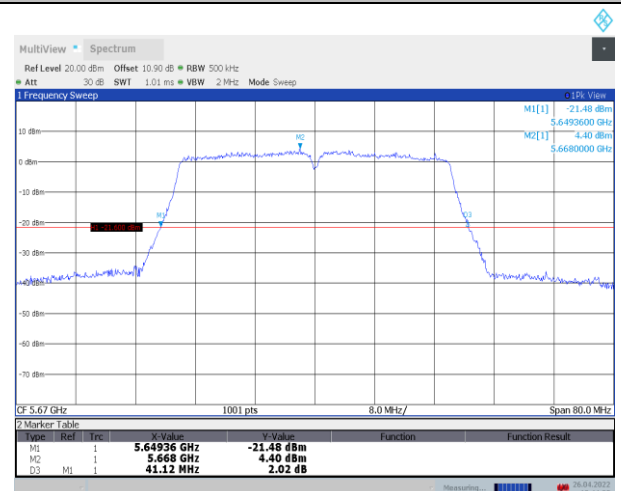
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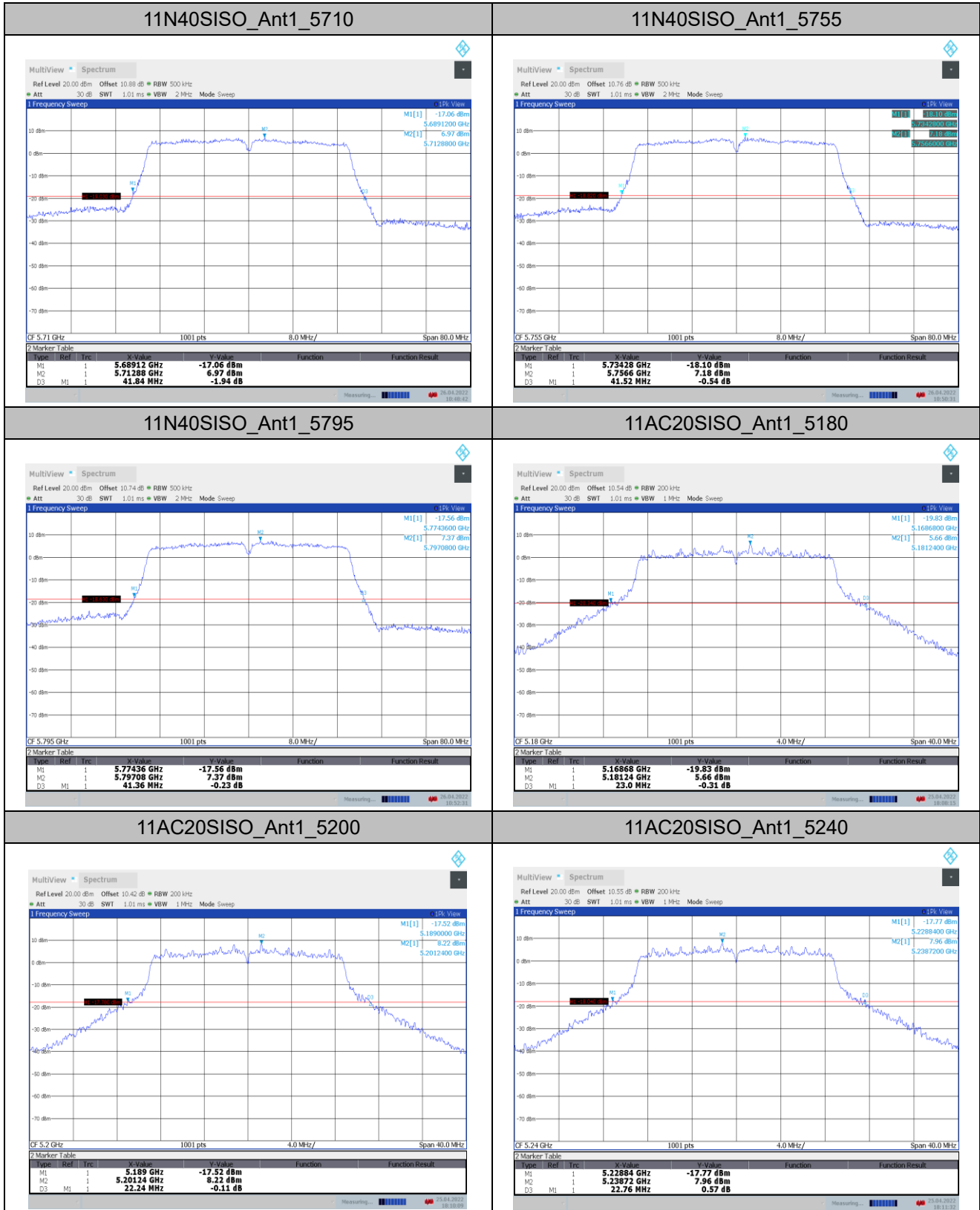


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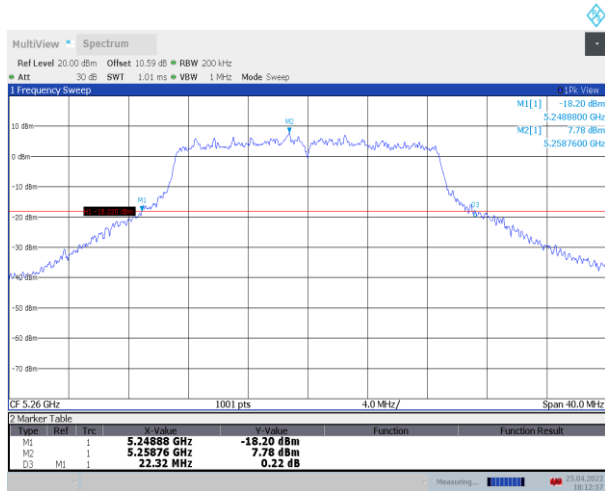


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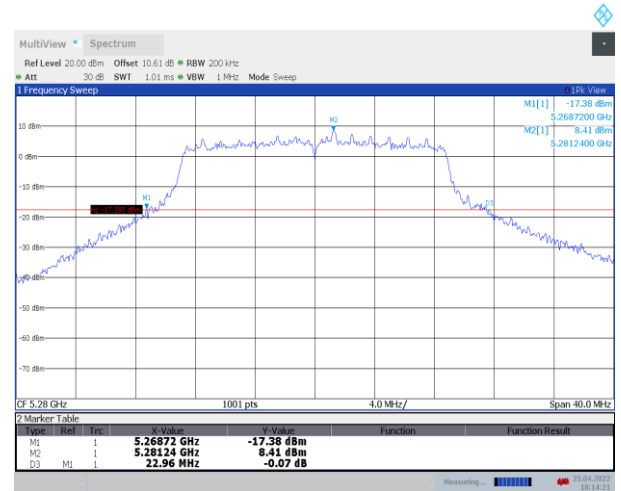




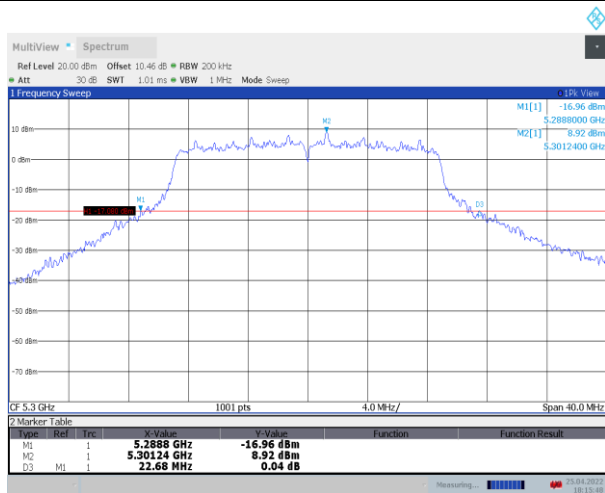
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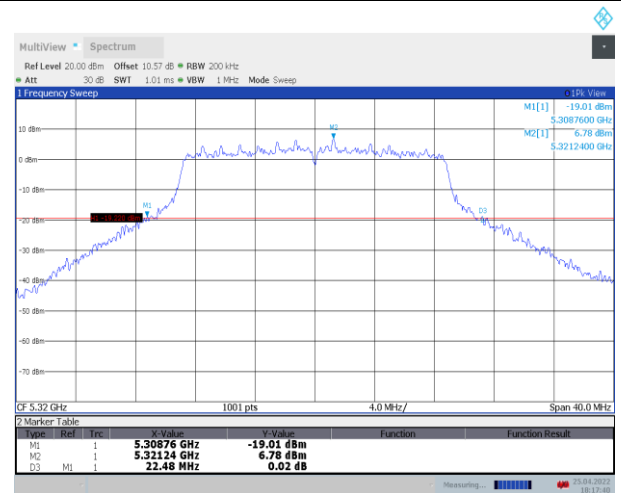
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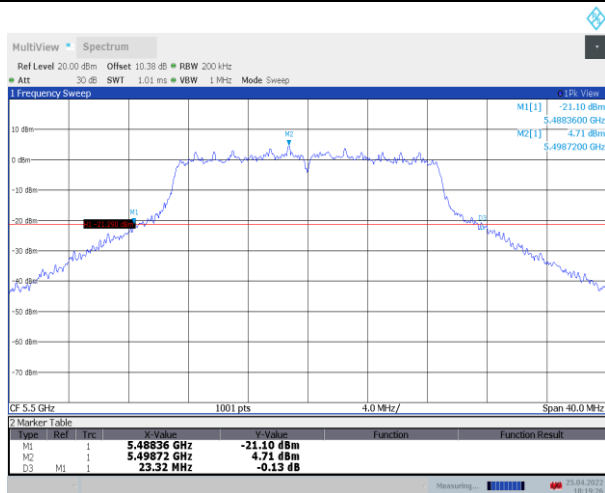
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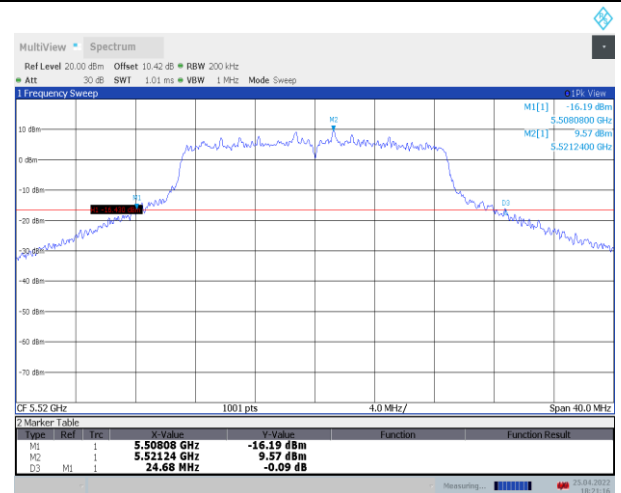
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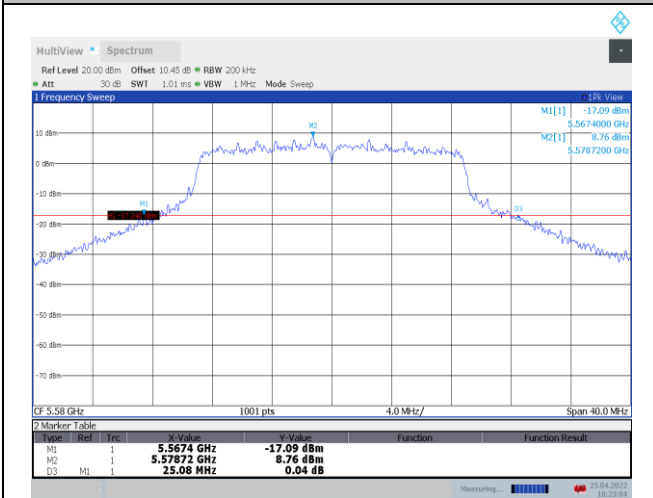
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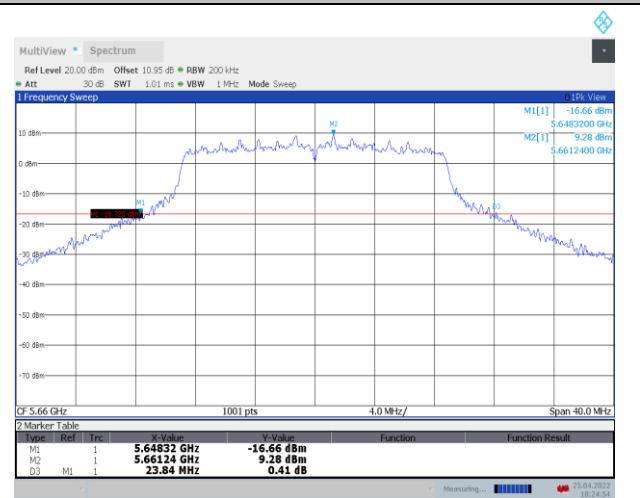
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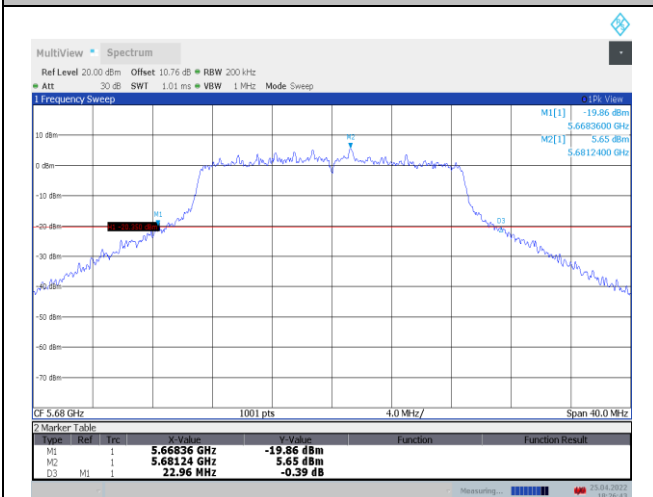
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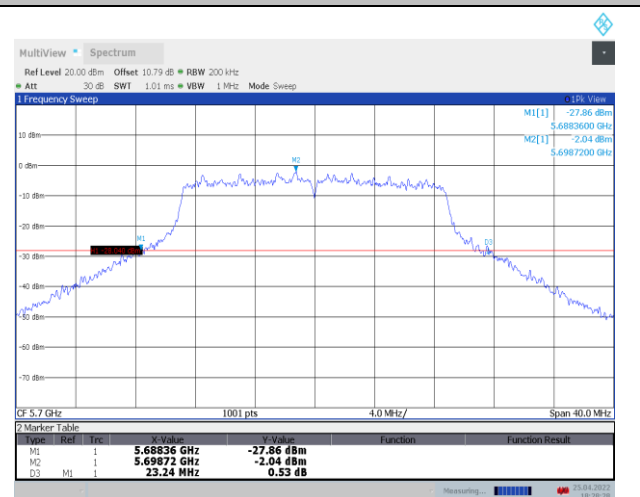
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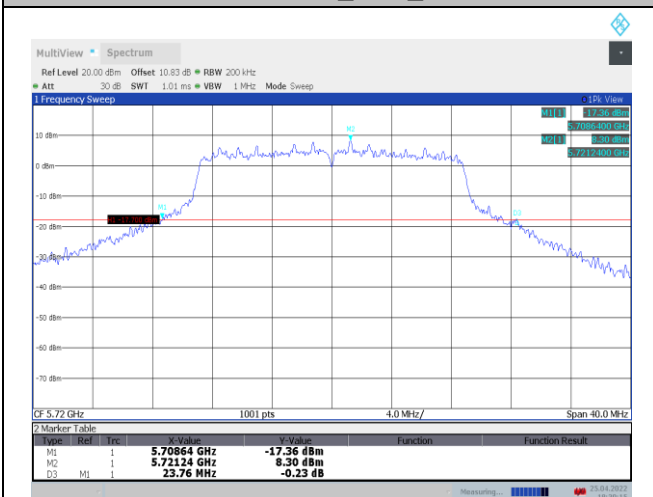
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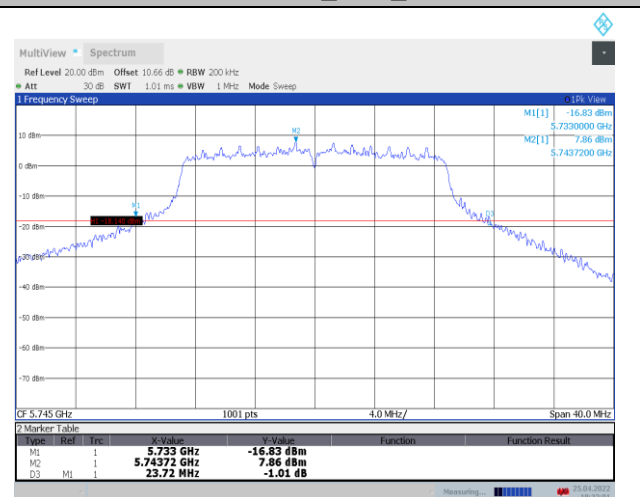
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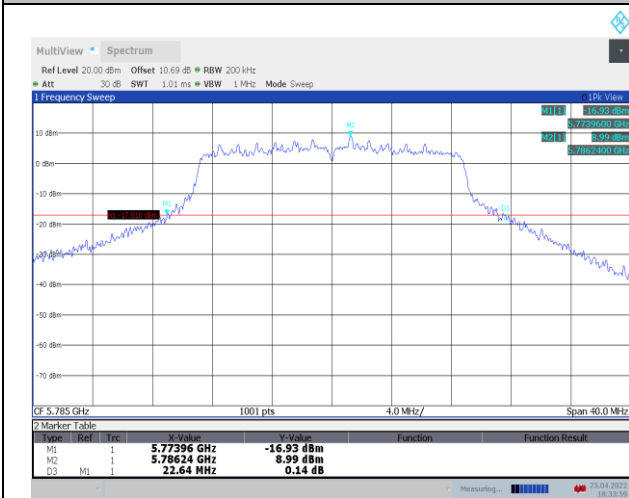
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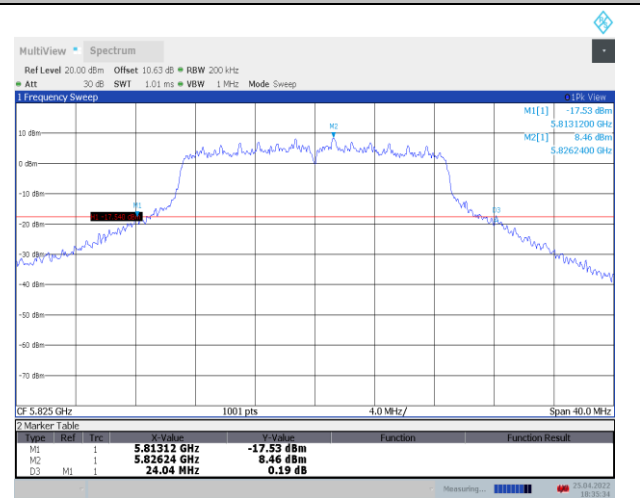
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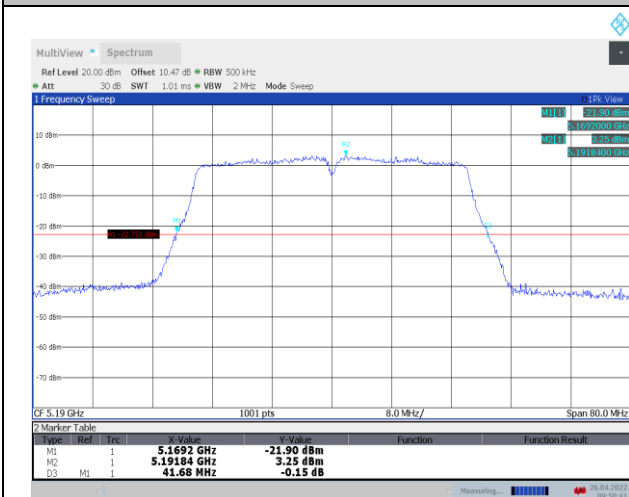
11AC20SISO_Ant1_5785



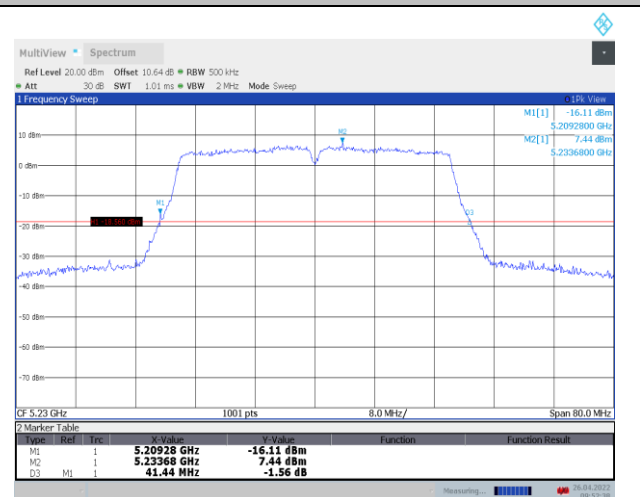
11AC20SISO_Ant1_5825



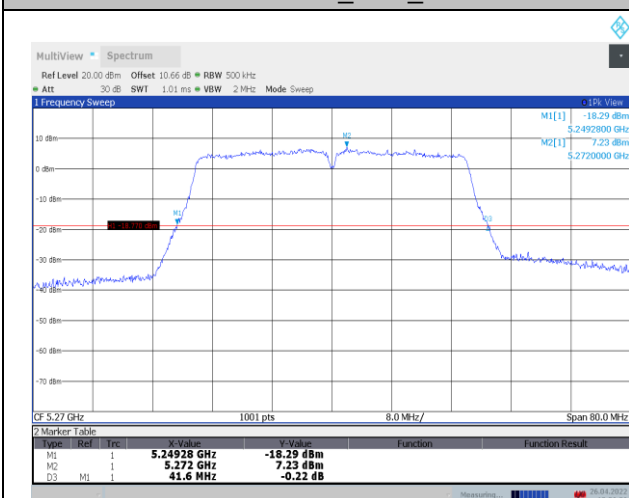
11AC40SISO_Ant1_5190



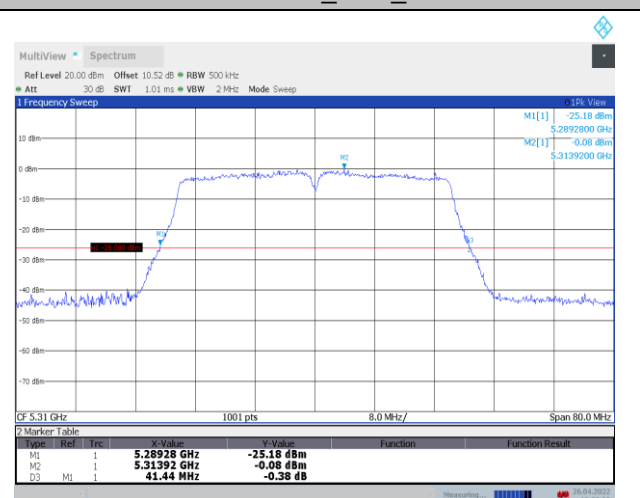
11AC40SISO_Ant1_5270



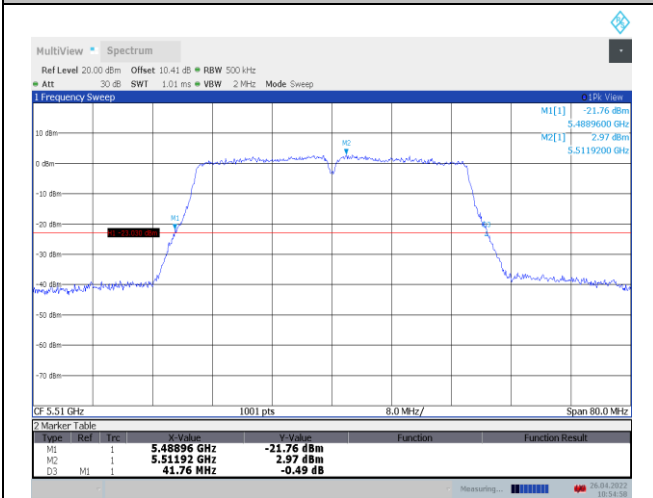
11AC40SISO_Ant1_5230



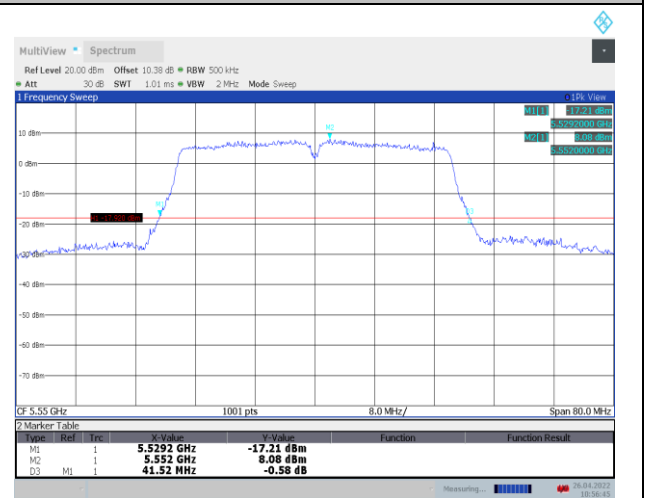
11AC40SISO_Ant1_5310



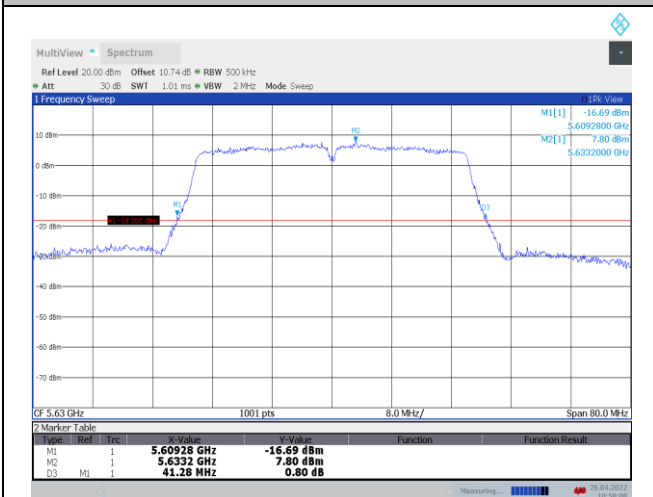
11AC40SISO_Ant1_5510



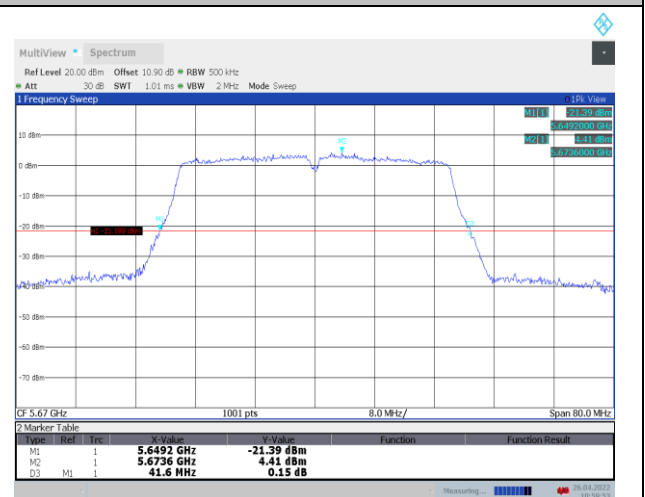
11AC40SISO_Ant1_5550



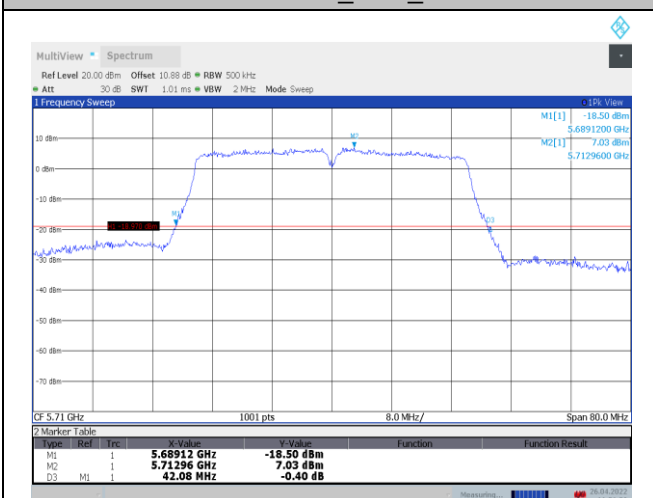
11AC40SISO_Ant1_5630



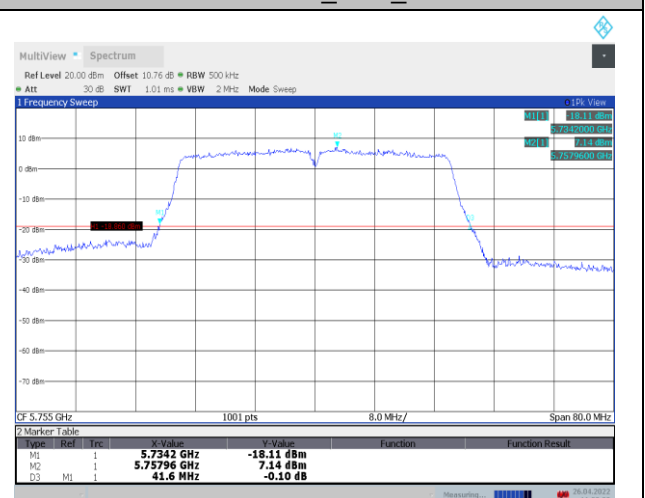
11AC40SISO_Ant1_5670



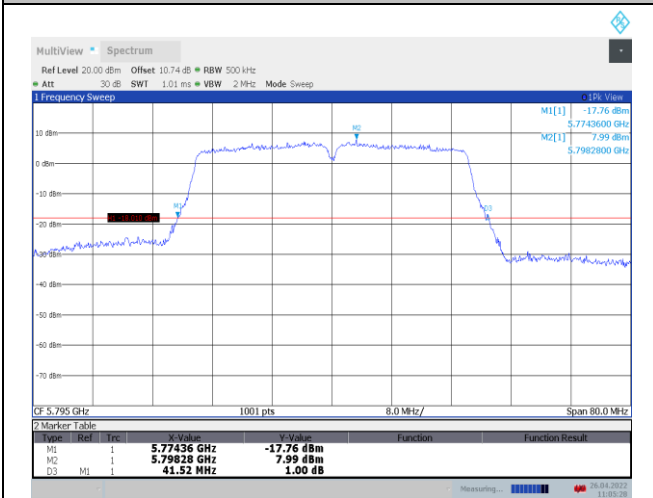
11AC40SISO_Ant1_5710



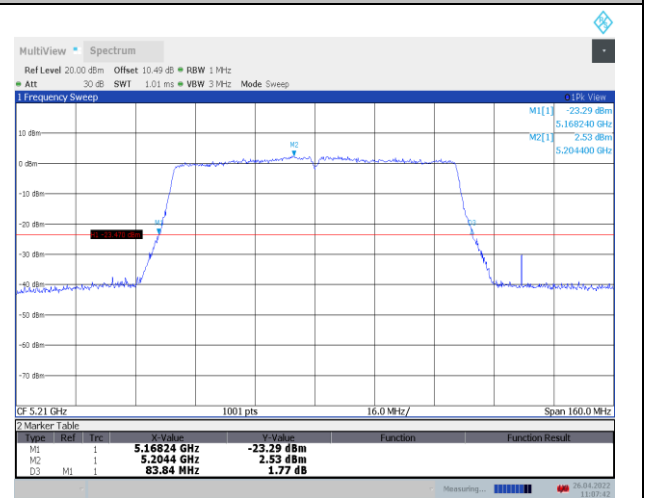
11AC40SISO_Ant1_5755



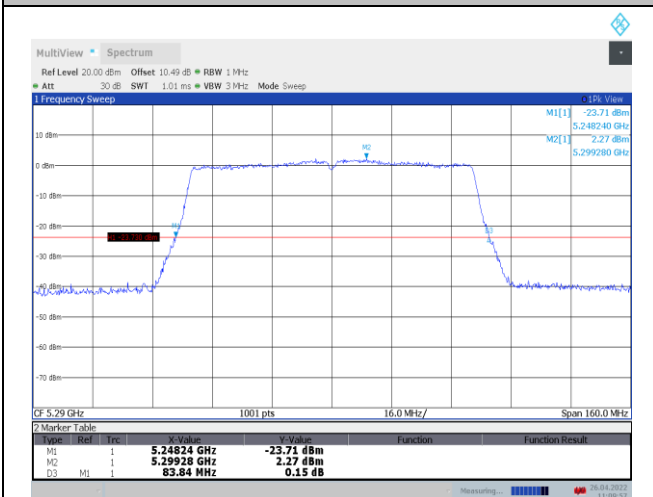
11AC40SISO_Ant1_5795



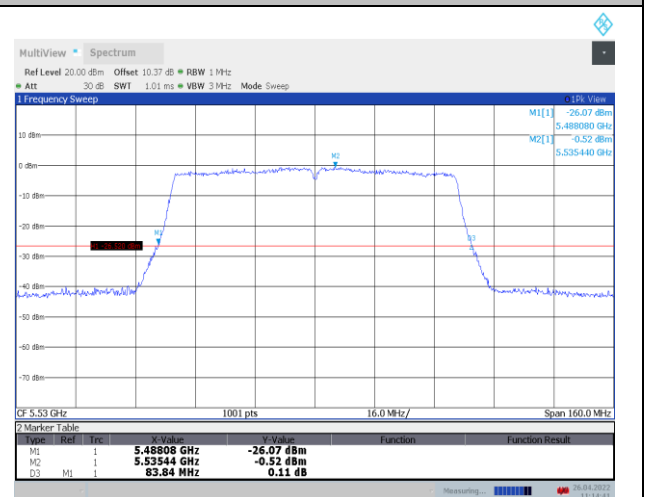
11AC80SISO_Ant1_5210



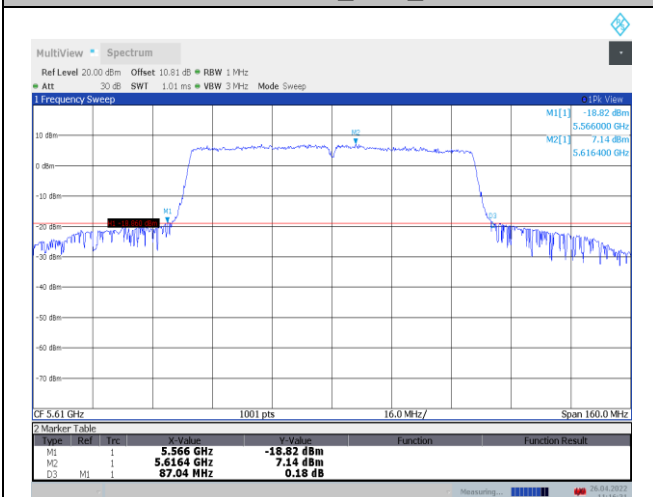
11AC80SISO_Ant1_5290



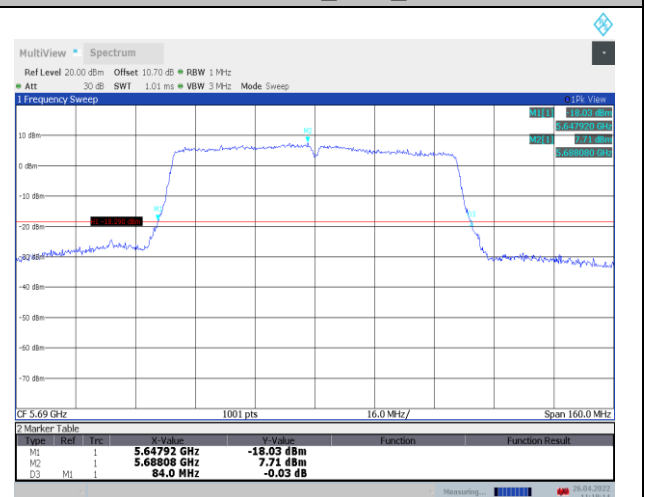
11AC80SISO_Ant1_5530

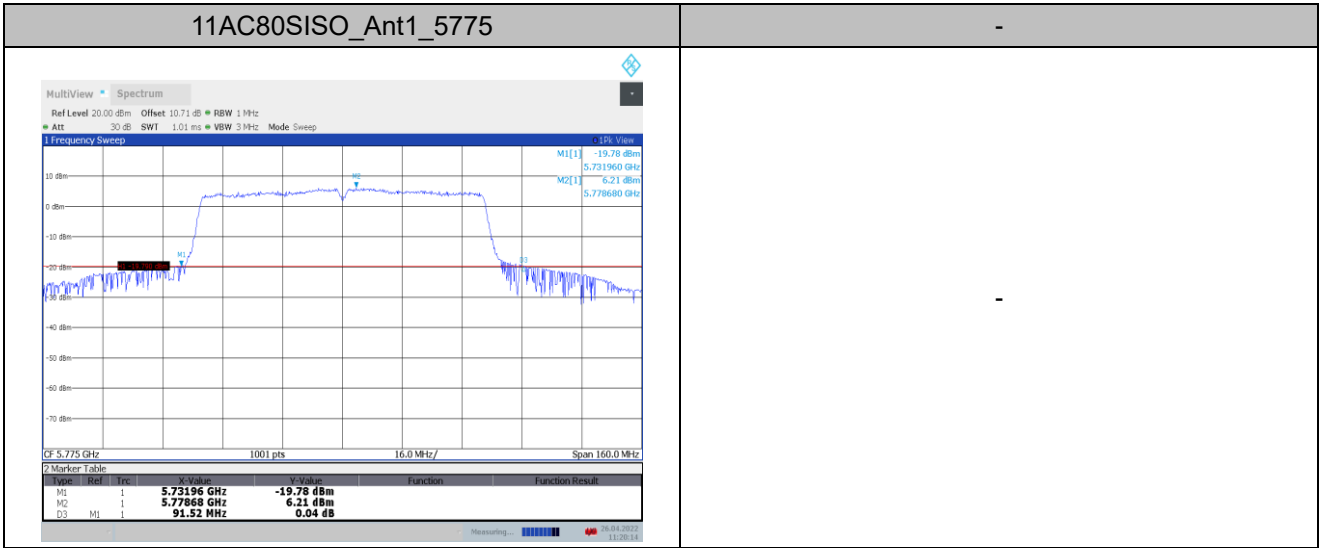


11AC80SISO_Ant1_5610

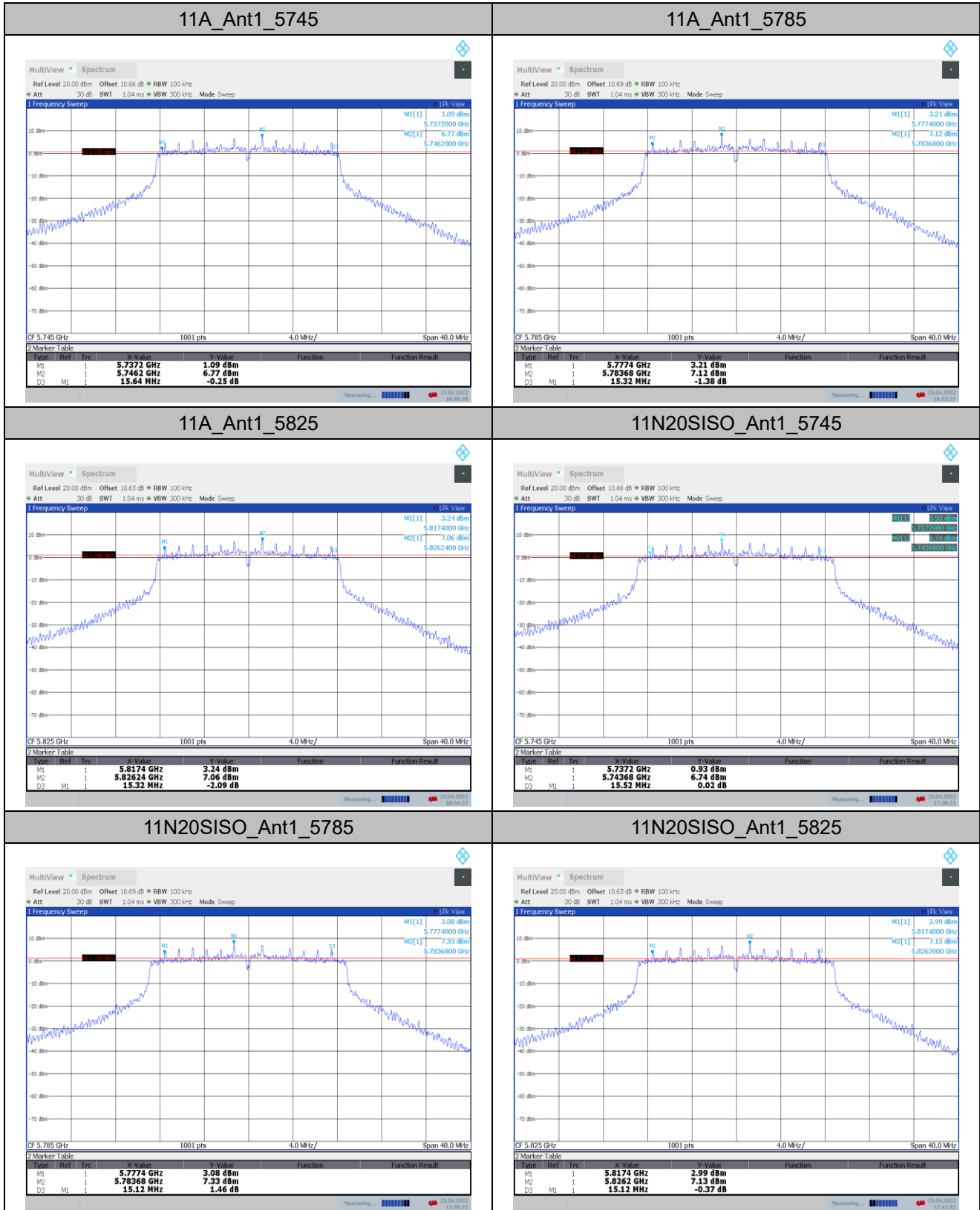


11AC80SISO_Ant1_5690

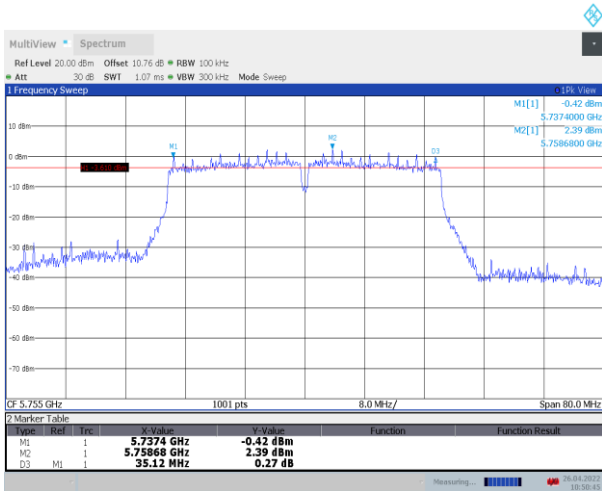




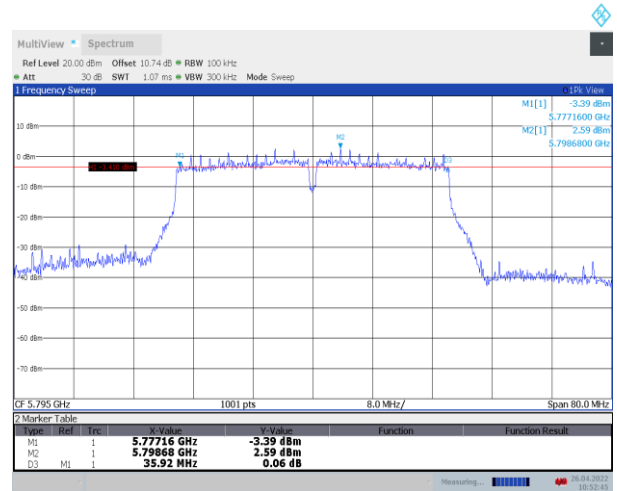
6dB Bandwidth



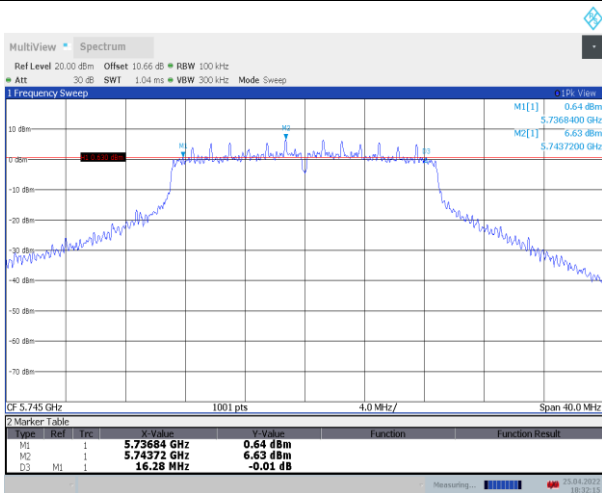
11N40SISO_Ant1_5755



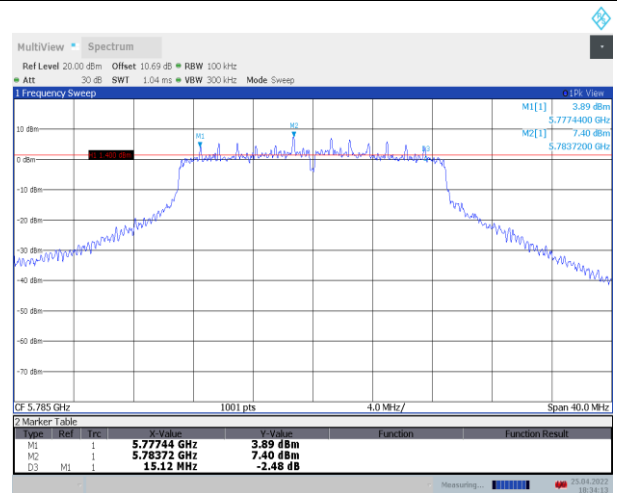
11N40SISO_Ant1_5795



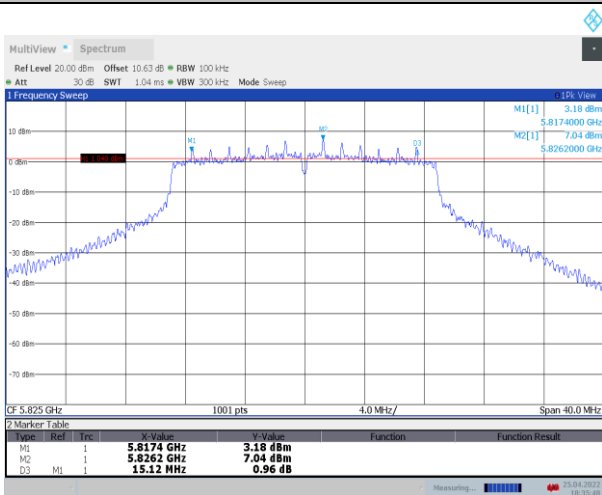
11AC20SISO_Ant1_5745



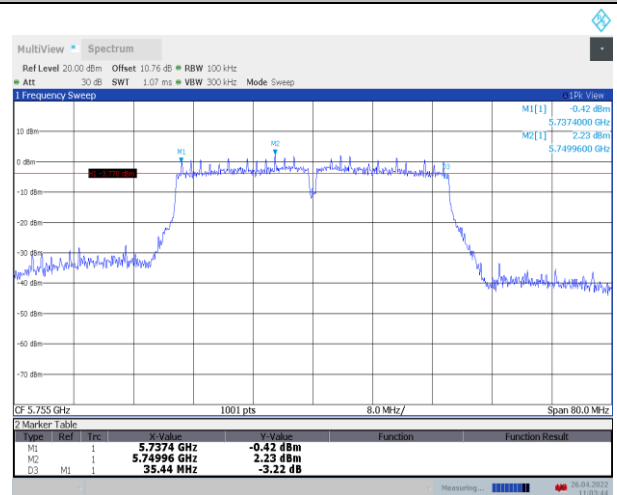
11AC20SISO_Ant1_5785

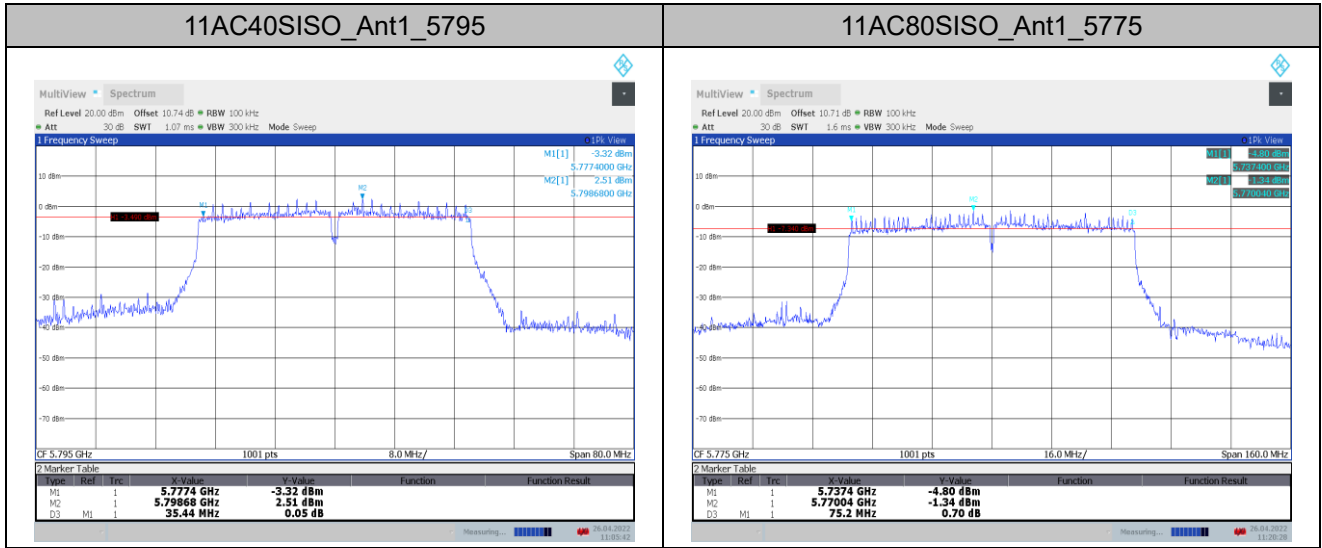


11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755





2. Appendix B: Occupied channel bandwidth

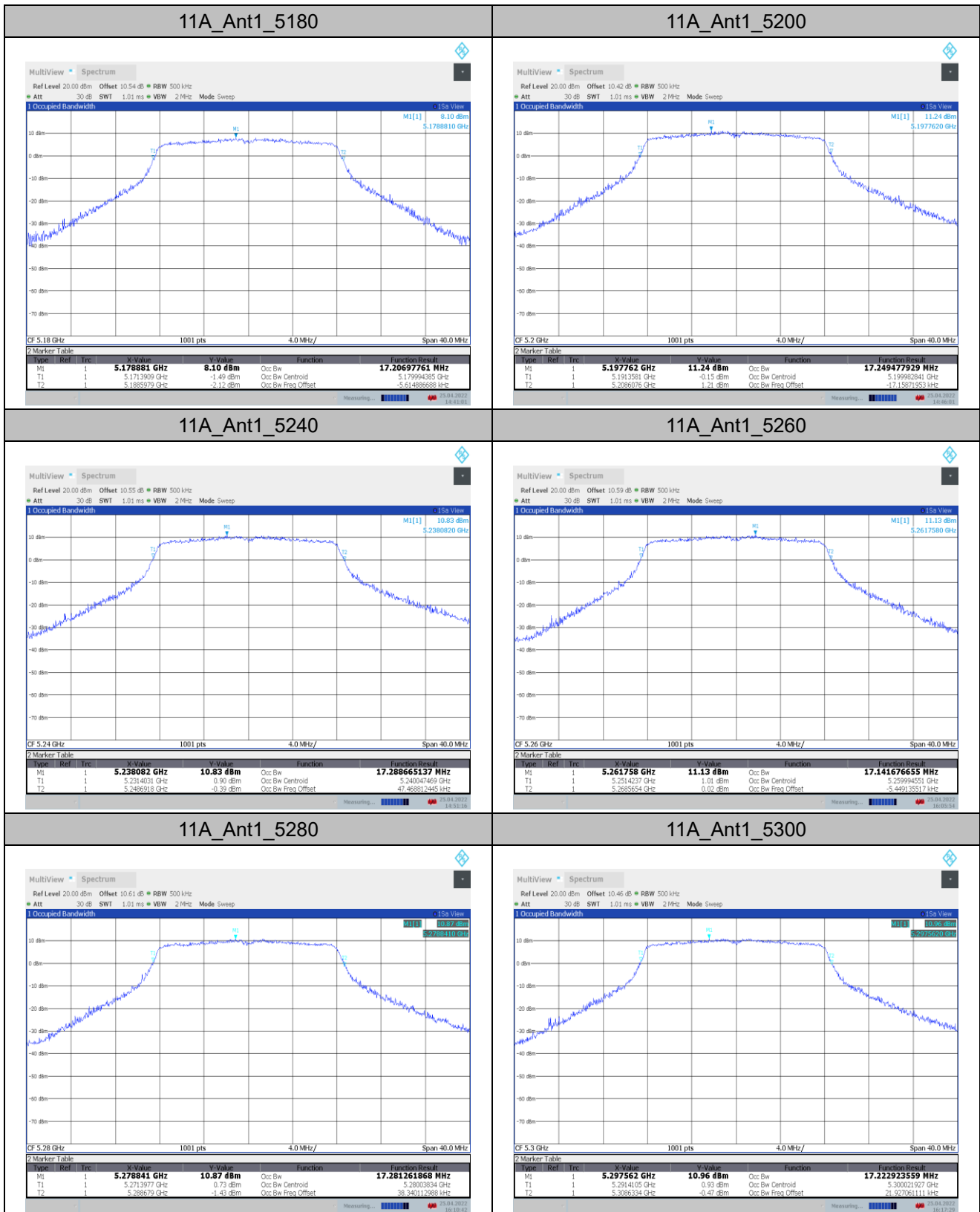
2.1 Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.207	5171.391	5188.598	---	PASS
		5200	17.249	5191.358	5208.608	---	PASS
		5240	17.289	5231.403	5248.692	---	PASS
		5260	17.142	5251.424	5268.565	---	PASS
		5280	17.281	5271.398	5288.679	---	PASS
		5300	17.223	5291.410	5308.633	---	PASS
		5320	17.189	5311.391	5328.580	---	PASS
		5500	17.227	5491.367	5508.594	---	PASS
		5520	17.493	5511.268	5528.761	---	PASS
		5580	17.369	5571.266	5588.635	---	PASS
		5660	17.402	5651.300	5668.703	---	PASS
		5680	17.227	5671.332	5688.559	---	PASS
		5700	17.249	5691.283	5708.533	---	PASS
		5720	17.314	5711.307	5728.621	---	PASS
		5720_UNII-2C	13.693	5711.307	5725	---	PASS
		5720_UNII-3	3.621	5725	5728.621	---	PASS
		5745	17.323	5736.299	5753.622	---	PASS
		5785	17.272	5776.351	5793.623	---	PASS
		5825	17.259	5816.341	5833.600	---	PASS
		11N20SISO	Ant1	5180	18.333	5170.838	5189.171
5200	18.279			5190.832	5209.111	---	PASS
5240	18.314			5230.845	5249.159	---	PASS
5260	18.274			5250.853	5269.127	---	PASS
5280	18.336			5270.853	5289.190	---	PASS
5300	18.322			5290.842	5309.164	---	PASS
5320	18.33			5310.807	5329.137	---	PASS
5500	18.33			5490.799	5509.129	---	PASS
5520	18.544			5510.722	5529.265	---	PASS
5580	18.437			5570.738	5589.174	---	PASS
5660	18.484			5650.734	5669.218	---	PASS
5680	18.34			5670.768	5689.108	---	PASS
5700	18.371			5690.751	5709.121	---	PASS
5720	18.394			5710.747	5729.140	---	PASS
5720_UNII-2C	14.253			5710.747	5725	---	PASS
5720_UNII-3	4.14			5725	5729.140	---	PASS
5745	18.417			5735.745	5754.163	---	PASS
5785	18.363			5775.805	5794.167	---	PASS
5825	18.393			5815.761	5834.154	---	PASS

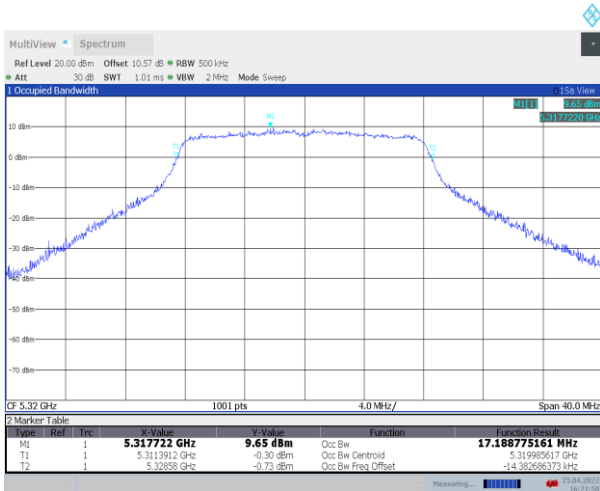
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11N40SISO	Ant1	5190	36.504	5171.720	5208.224	---	PASS
		5230	36.526	5211.744	5248.270	---	PASS
		5270	36.592	5251.683	5288.275	---	PASS
		5310	36.538	5291.696	5328.234	---	PASS
		5510	36.569	5491.661	5528.231	---	PASS
		5550	36.558	5531.676	5568.234	---	PASS
		5630	36.573	5611.680	5648.253	---	PASS
		5670	36.497	5651.682	5688.179	---	PASS
		5710	36.62	5691.587	5728.207	---	PASS
		5710_UNII-2C	33.413	5691.587	5725	---	PASS
		5710_UNII-3	3.207	5725	5728.207	---	PASS
		5755	36.601	5736.654	5773.254	---	PASS
		5795	36.54	5776.726	5813.266	---	PASS
11AC20SISO	Ant1	5180	18.307	5170.840	5189.147	---	PASS
		5200	18.283	5190.824	5209.107	---	PASS
		5240	18.307	5230.848	5249.154	---	PASS
		5260	18.265	5250.845	5269.110	---	PASS
		5280	18.387	5270.815	5289.202	---	PASS
		5300	18.308	5290.864	5309.172	---	PASS
		5320	18.313	5310.816	5329.129	---	PASS
		5500	18.335	5490.804	5509.139	---	PASS
		5520	18.512	5510.743	5529.255	---	PASS
		5580	18.476	5570.736	5589.212	---	PASS
		5660	18.458	5650.759	5669.217	---	PASS
		5680	18.324	5670.763	5689.087	---	PASS
		5700	18.368	5690.736	5709.104	---	PASS
		5720	18.409	5710.748	5729.156	---	PASS
		5720_UNII-2C	14.252	5710.748	5725	---	PASS
		5720_UNII-3	4.156	5725	5729.156	---	PASS
		5745	18.451	5735.723	5754.174	---	PASS
		5785	18.383	5775.791	5794.174	---	PASS
5825	18.348	5815.797	5834.145	---	PASS		

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11AC40SISO	Ant1	5190	36.517	5171.745	5208.262	---	PASS
		5230	36.566	5211.735	5248.301	---	PASS
		5270	36.601	5251.676	5288.277	---	PASS
		5310	36.533	5291.751	5328.284	---	PASS
		5510	36.579	5491.671	5528.251	---	PASS
		5550	36.548	5531.657	5568.206	---	PASS
		5630	36.517	5611.697	5648.215	---	PASS
		5670	36.533	5651.671	5688.204	---	PASS
		5710	36.636	5691.575	5728.210	---	PASS
		5710_UNII-2C	33.425	5691.575	5725	---	PASS
		5710_UNII-3	3.21	5725	5728.210	---	PASS
		5755	36.61	5736.678	5773.288	---	PASS
		5795	36.553	5776.735	5813.288	---	PASS
11AC80SISO	Ant1	5210	76.089	5172.049	5248.138	---	PASS
		5290	76.038	5252.008	5328.046	---	PASS
		5530	76.099	5491.867	5567.966	---	PASS
		5610	76.4	5571.674	5648.074	---	PASS
		5690	75.992	5651.740	5727.732	---	PASS
		5690_UNII-2C	73.26	5651.740	5725	---	PASS
		5690_UNII-3	2.732	5725	5727.732	---	PASS
		5775	76.403	5736.815	5813.218	---	PASS

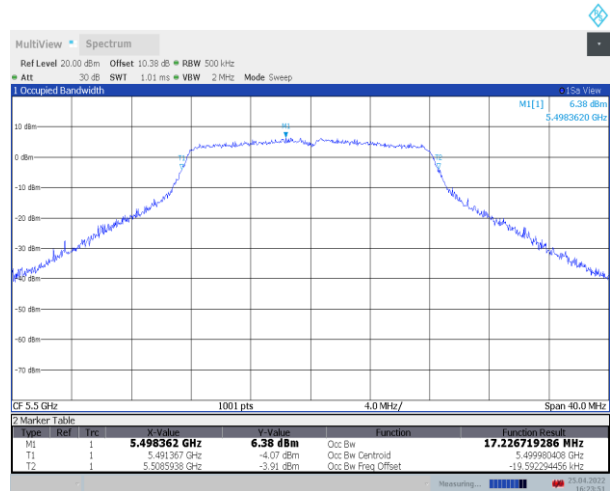
2.2 Test Graphs



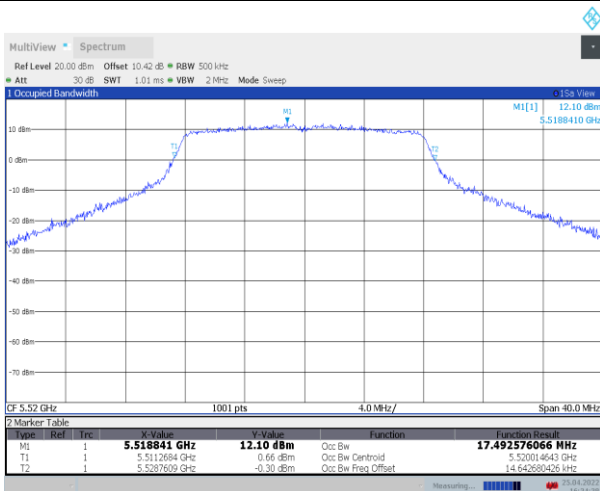
11A_Ant1_5320



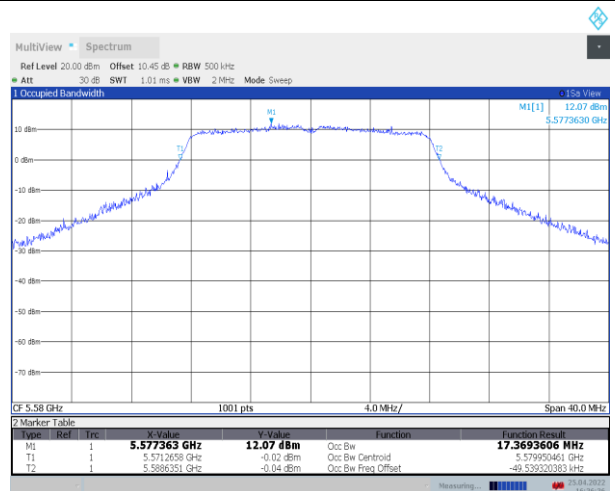
11A_Ant1_5500



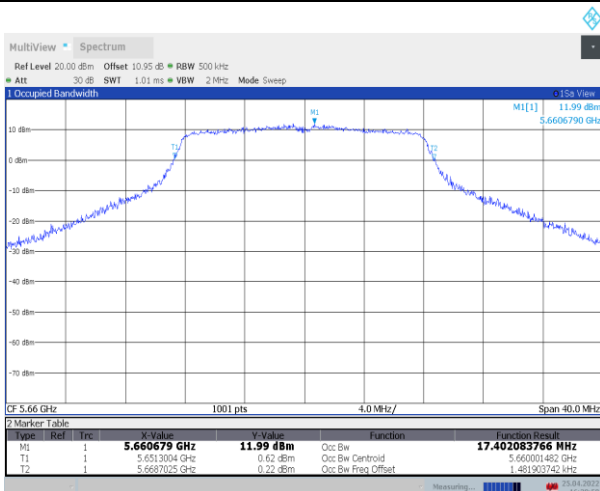
11A_Ant1_5520



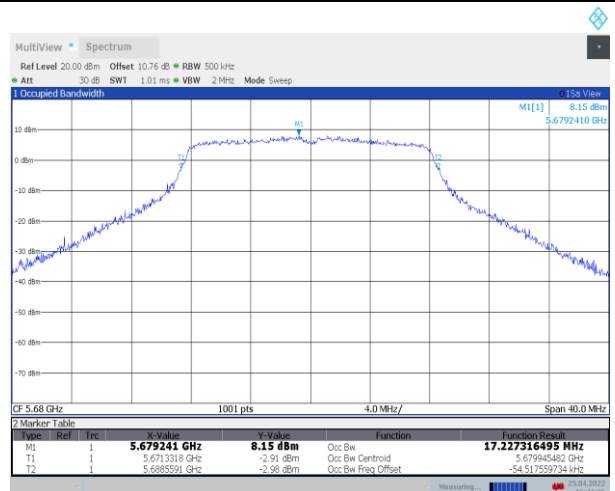
11A_Ant1_5580



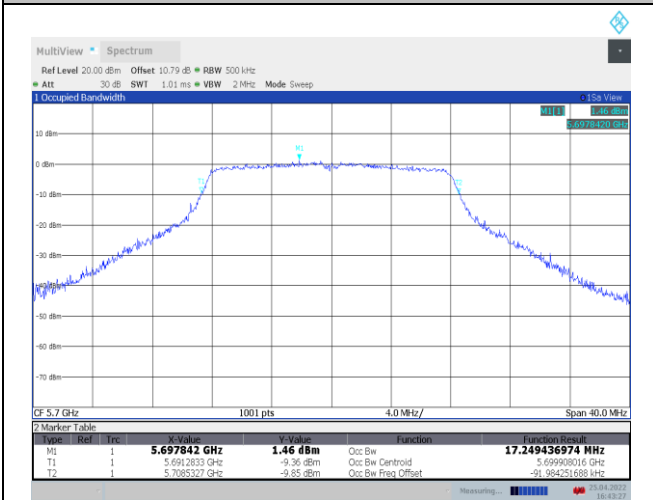
11A_Ant1_5660



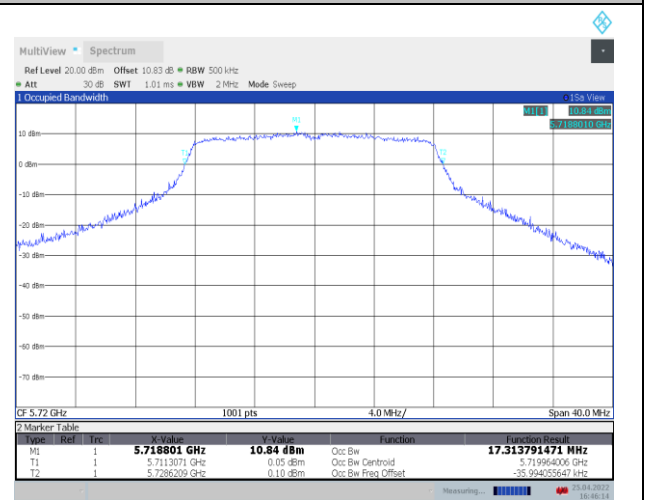
11A_Ant1_5680



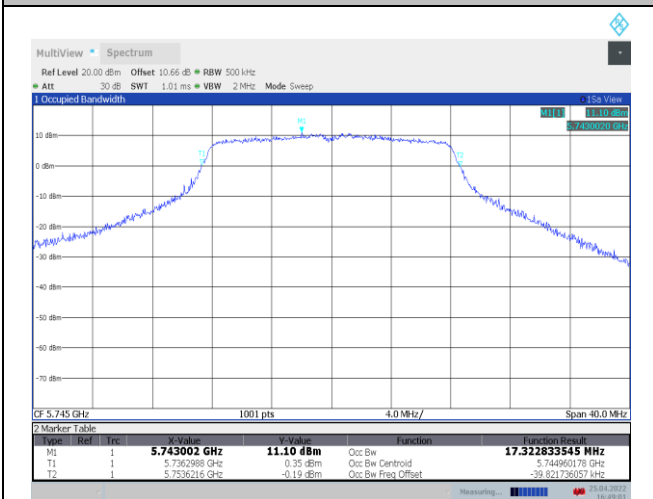
11A_Ant1_5700



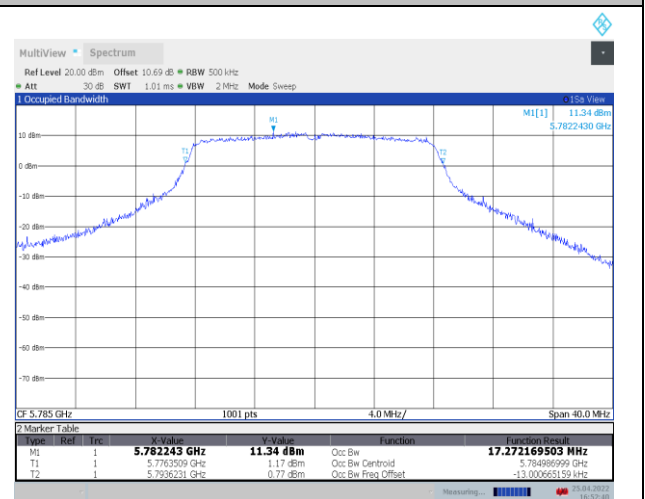
11A_Ant1_5720



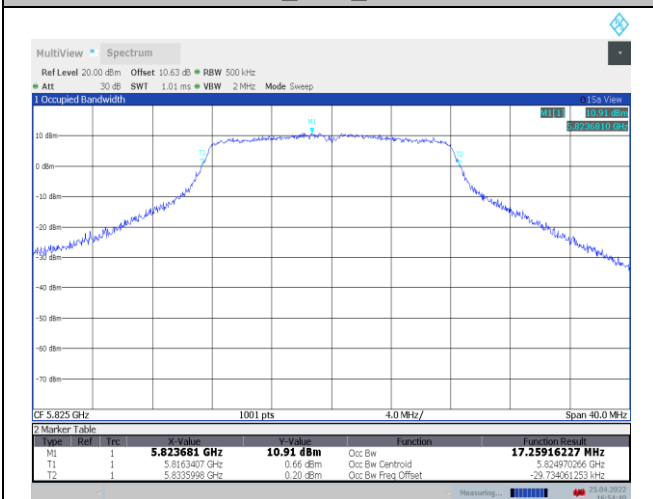
11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180

