

ABOVE 1000 MHz

Note: All the modes have been tested and recorded worst mode in the report.

UNII-1

11A Channel 36 / 5180 MHz									
Frequency	Ant.Pol. H/V	Peak reading (dBuV)	AV reading (dBuV)	Correction Factor	Emission Level		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)
					Peak (dBuV/m)	AV (dBuV/m)			
10358	H	47.57	---	9.03	56.60	---	74	54	-17.4
15524	H	41.38	---	9.87	51.25	---	75	55	-2.75
---	H	---	---	---	---	---	---	---	---
10356	V	44.59	---	9.03	53.62	---	74	54	-20.38
15541	V	40.24	---	9.88	50.12	---	75	55	-3.88
---	V	---	---	---	---	---	---	---	---
11A Channel 40 / 5200 MHz									
Frequency	Ant.Pol. H/V	Peak reading (dBuV)	AV reading (dBuV)	Correction Factor	Emission Level		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)
					Peak (dBuV/m)	AV (dBuV/m)			
10401	H	43.76	---	9.09	52.85	---	74	54	-21.15
15600	H	40.53	---	9.91	50.44	---	75	55	-3.56
---	H	---	---	---	---	---	---	---	---
10401	V	44.75	---	9.09	53.84	---	74	54	-20.16
15600	V	40.57	---	9.91	50.48	---	74	54	-3.52
---	V	---	---	---	---	---	---	---	---
11A Channel 48 / 5240 MHz									
Frequency	Ant.Pol. H/V	Peak reading (dBuV)	AV reading (dBuV)	Correction Factor	Emission Level		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)
					Peak (dBuV/m)	AV (dBuV/m)			
10480	H	43.75	---	9.24	52.99	---	74	54	-21.01
15722	H	40.48	---	10.01	50.49	---	74	54	-3.51
---	H	---	---	---	---	---	---	---	---
10480	V	44.35	---	9.24	53.59	---	74	54	-20.41
15722	V	38.37	---	10.01	48.38	---	74	54	-5.62
---	V	---	---	---	---	---	---	---	---

UNII-2A

11A Channel 52 / 5260 MHz									
Frequency	Ant.Pol. H/V	Peak reading (dBuV)	AV reading (dBuV)	Correction Factor	Emission Level		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)
					Peak (dBuV/m)	AV (dBuV/m)			
10521	H	48.31	---	9.44	57.75	---	74	54	-16.25
15781	H	40.28	---	10.12	50.4	---	75	55	-3.6
---	H	---	---	---	---	---	---	---	---
10523	V	45.12	---	9.46	54.58	---	74	54	-19.42
15782	V	38.61	---	10.13	48.74	---	75	55	-5.26
---	V	---	---	---	---	---	---	---	---
11A Channel 56 / 5280 MHz									
Frequency	Ant.Pol. H/V	Peak reading (dBuV)	AV reading (dBuV)	Correction Factor	Emission Level		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)
					Peak (dBuV/m)	AV (dBuV/m)			
10561	H	43.98	---	9.51	53.49	---	74	54	-20.51
15842	H	39.01	---	10.51	49.52	---	75	55	-4.48
---	H	---	---	---	---	---	---	---	---
10561	V	45.31	---	9.51	54.82	---	74	54	-19.18
15841	V	38.14	---	10.49	48.63	---	74	54	-5.37
---	V	---	---	---	---	---	---	---	---
11A Channel 64 / 5320 MHz									
Frequency	Ant.Pol. H/V	Peak reading (dBuV)	AV reading (dBuV)	Correction Factor	Emission Level		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)
					Peak (dBuV/m)	AV (dBuV/m)			
10641	H	44.54	---	9.63	54.17	---	74	54	-19.83
15961	H	39.01	---	11.25	50.26	---	74	54	-3.74
---	H	---	---	---	---	---	---	---	---
10642	V	45.21	---	9.63	54.84	---	74	54	-19.16
15959	V	38.31	---	11.23	49.54	---	74	54	-4.46
---	V	---	---	---	---	---	---	---	---

UNII-3

11A Channel 149 / 5745 MHz									
Frequency	Ant.Pol. H/V	Peak reading (dBuV)	AV reading (dBuV)	Correction Factor	Emission Level		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)
					Peak (dBuV/m)	AV (dBuV/m)			
11491	H	48.61	---	9.81	58.42	---	74	54	-15.58
17236	H	39.01	---	12.96	51.97	---	75	55	-2.03
---	H	---	---	---	---	---	---	---	---
11493	V	44.02	---	9.81	53.83	---	74	54	-20.17
17235	V	37.02	---	12.95	49.97	---	75	55	-4.03
---	V	---	---	---	---	---	---	---	---
11A Channel 153 / 5765 MHz									
Frequency	Ant.Pol. H/V	Peak reading (dBuV)	AV reading (dBuV)	Correction Factor	Emission Level		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)
					Peak (dBuV/m)	AV (dBuV/m)			
11531	H	43.05	---	9.91	52.96	---	74	54	-21.04
17296	H	37.86	---	13.21	51.07	---	75	55	-2.93
---	H	---	---	---	---	---	---	---	---
11532	V	44.01	---	9.92	53.93	---	74	54	-20.07
17297	V	38.63	---	13.22	51.85	---	74	54	-2.15
---	V	---	---	---	---	---	---	---	---
11A Channel 165/ 5825 MHz									
Frequency	Ant.Pol. H/V	Peak reading (dBuV)	AV reading (dBuV)	Correction Factor	Emission Level		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)
					Peak (dBuV/m)	AV (dBuV/m)			
11651	H	43.05	---	10.01	53.06	---	74	54	-20.94
17478	H	38.51	---	14.01	52.52	---	74	54	-1.48
---	H	---	---	---	---	---	---	---	---
11649	V	44.21	---	9.98	54.19	---	74	54	-19.81
17477	V	37.31	---	13.99	51.30	---	74	54	-2.7
---	V	---	---	---	---	---	---	---	---

Notes:

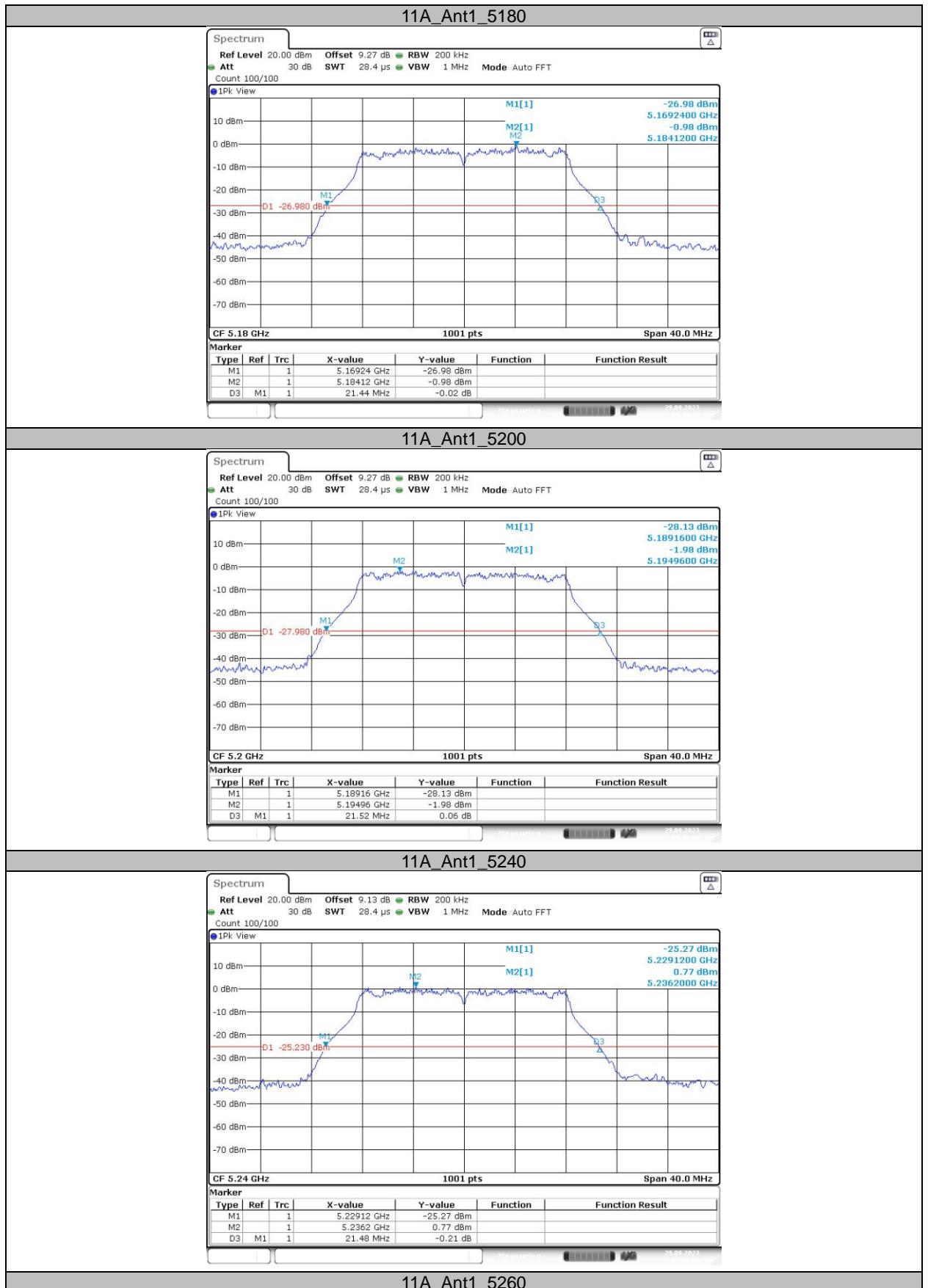
- 1). Radiated emissions measured in frequency range from 9 KHz~10th harmonic or 40GHz (which is less) were made with an instrument using Peak detector mode.
- 2). Data of measurement within this frequency range shown "----" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 3). Worst case data at 1Mbps at IEEE 802.11a.
- 4). Measured Level = Reading Level + Factor, Margin = Measured Level – Limit

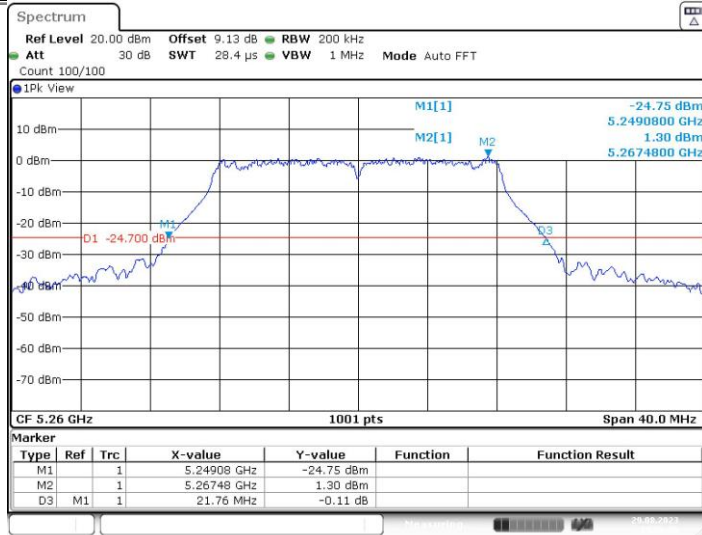
APPENDIX E - BANDWIDTH

Appendix A1: Emission Bandwidth

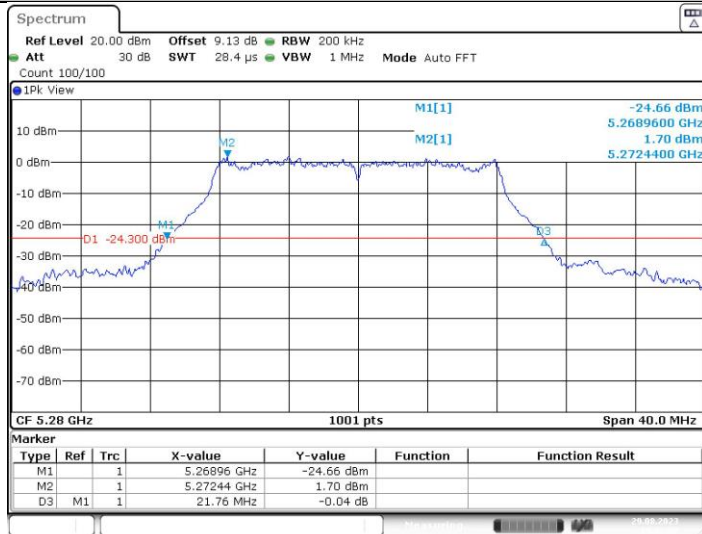
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.44	5169.24	5190.68	---	---
		5200	21.52	5189.16	5210.68	---	---
		5240	21.48	5229.12	5250.60	---	---
		5260	21.76	5249.08	5270.84	---	---
		5280	21.76	5268.96	5290.72	---	---
		5320	21.52	5309.20	5330.72	---	---
		5745	21.96	5733.96	5755.92	---	---
		5785	21.84	5774.00	5795.84	---	---
11N20SISO SO	Ant1	5825	21.88	5814.16	5836.04	---	---
		5180	21.92	5169.04	5190.96	---	---
		5200	21.68	5189.00	5210.68	---	---
		5240	21.92	5229.04	5250.96	---	---
		5260	22.16	5248.80	5270.96	---	---
		5280	21.76	5269.00	5290.76	---	---
		5320	21.76	5309.00	5330.76	---	---
		5745	22.04	5733.92	5755.96	---	---
11N40SISO	Ant1	5785	23.92	5773.64	5797.56	---	---
		5825	24.04	5812.08	5836.12	---	---
		5190	40.88	5169.68	5210.56	---	---
		5230	40.96	5209.52	5250.48	---	---
		5270	41.04	5249.52	5290.56	---	---
		5310	40.88	5289.36	5330.24	---	---
11AC20SISO	Ant1	5755	40.96	5734.60	5775.56	---	---
		5795	40.72	5774.84	5815.56	---	---
		5180	21.80	5169.16	5190.96	---	---
		5200	22.08	5189.00	5211.08	---	---
		5240	21.92	5229.00	5250.92	---	---
		5260	21.68	5249.08	5270.76	---	---
		5280	21.96	5269.04	5291.00	---	---
		5320	21.88	5308.88	5330.76	---	---
11AC40SISO	Ant1	5745	21.56	5734.12	5755.68	---	---
		5785	21.88	5774.04	5795.92	---	---
		5825	22.48	5813.56	5836.04	---	---
		5190	40.56	5169.68	5210.24	---	---
		5230	40.88	5209.60	5250.48	---	---
		5270	40.80	5249.44	5290.24	---	---
11AC80SISO	Ant1	5310	40.80	5289.44	5330.24	---	---
		5755	40.80	5734.52	5775.32	---	---
		5795	40.80	5774.60	5815.40	---	---
		5210	79.84	5170.16	5250.00	---	---
	Ant1	5290	80.00	5249.84	5329.84	---	---
		5775	79.68	5735.16	5814.84	---	---

Test Graphs

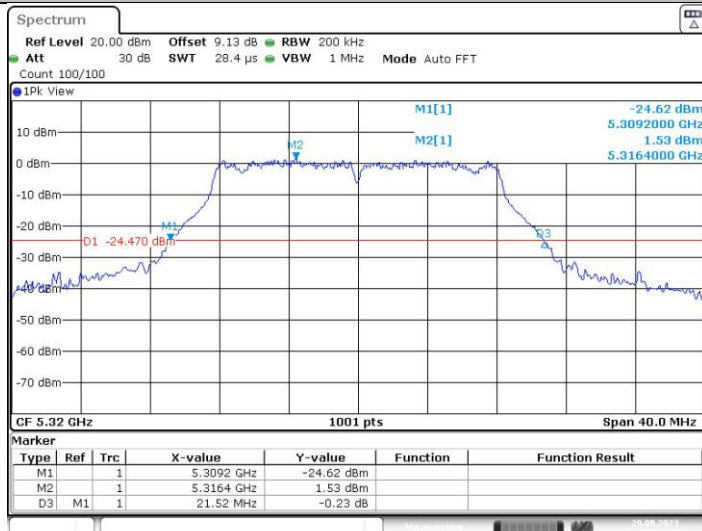




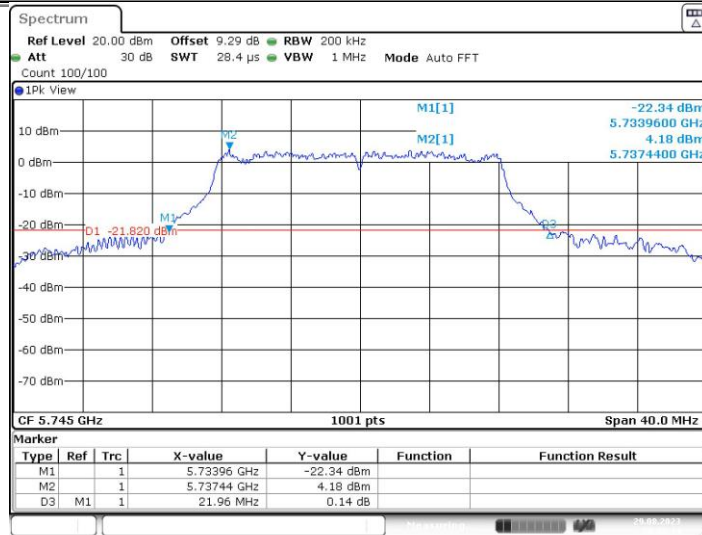
11A_Ant1_5280



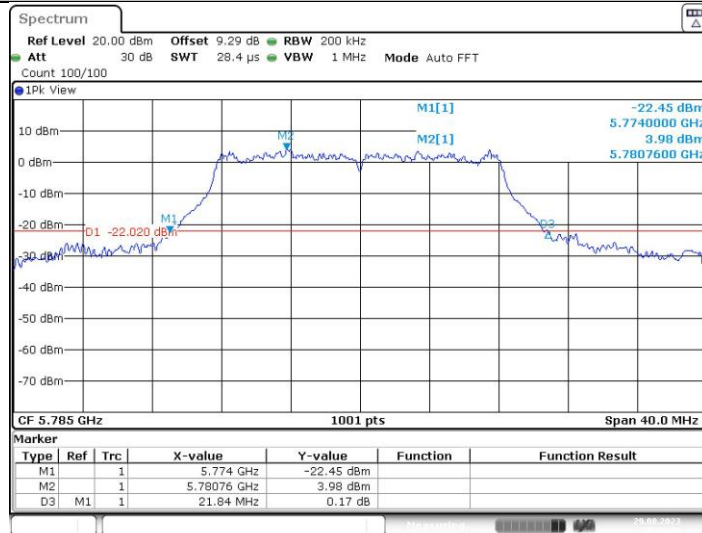
11A_Ant1_5320



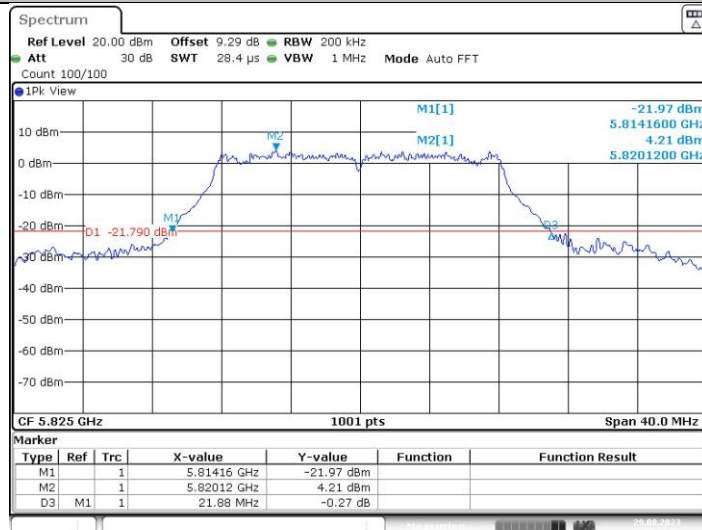
11A_Ant1_5745



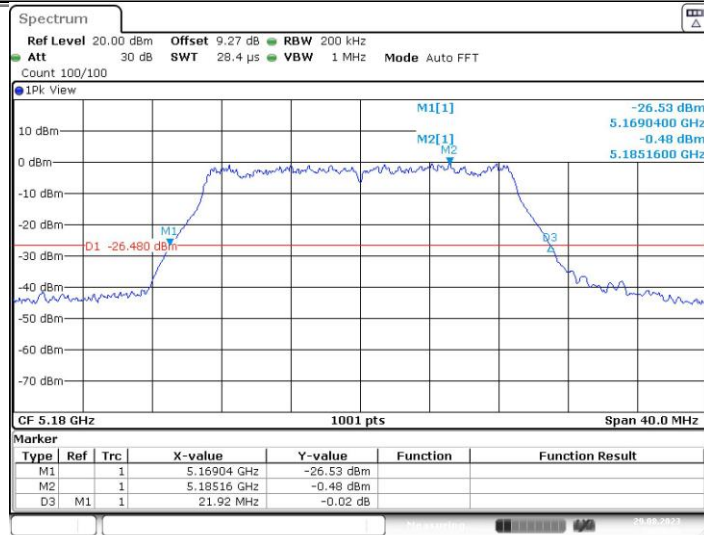
11A_Ant1_5785



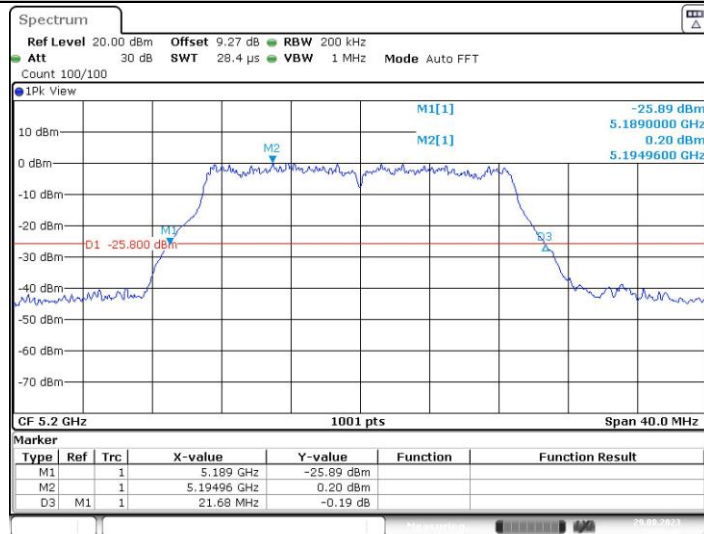
11A_Ant1_5825



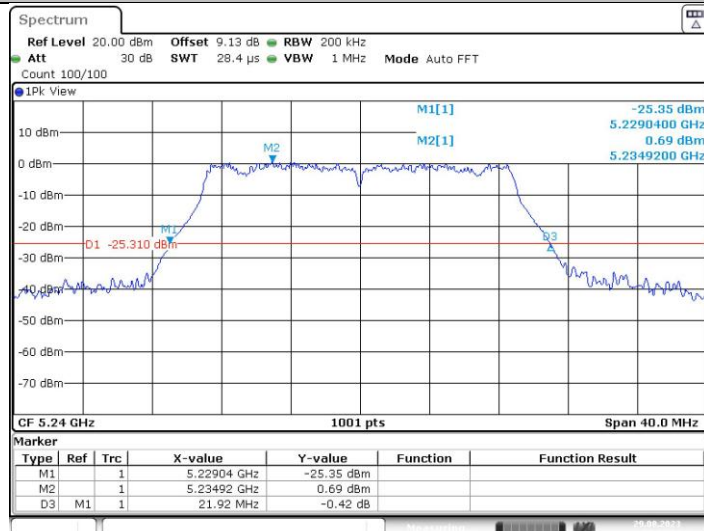
11N20SISO_Ant1_5180



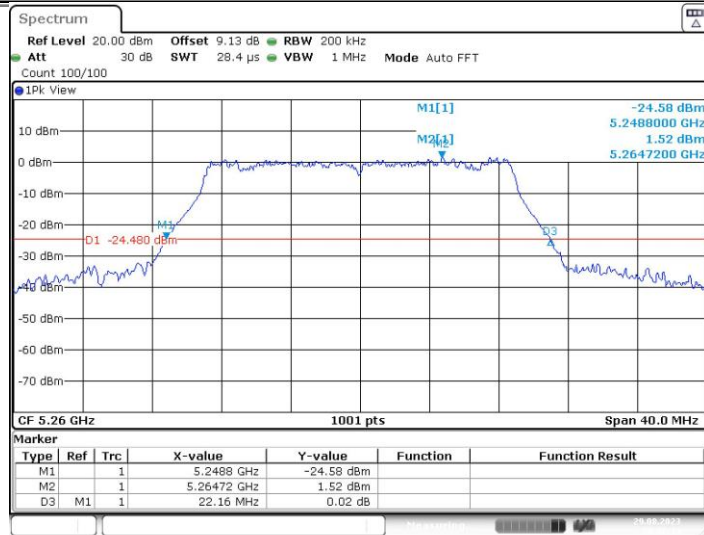
11N20SISO_Ant1_5200



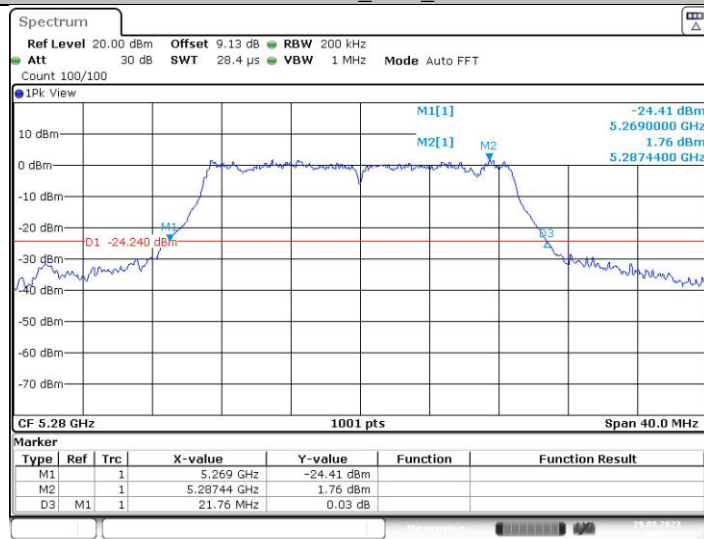
11N20SISO_Ant1_5240



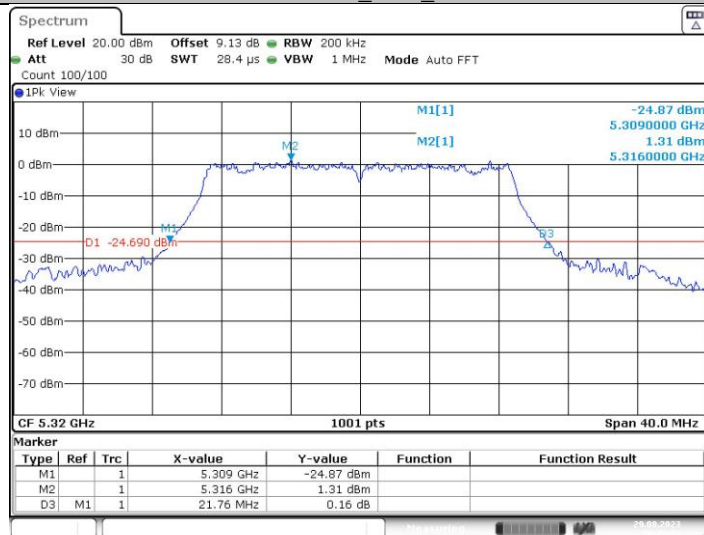
11N20SISO_Ant1_5260



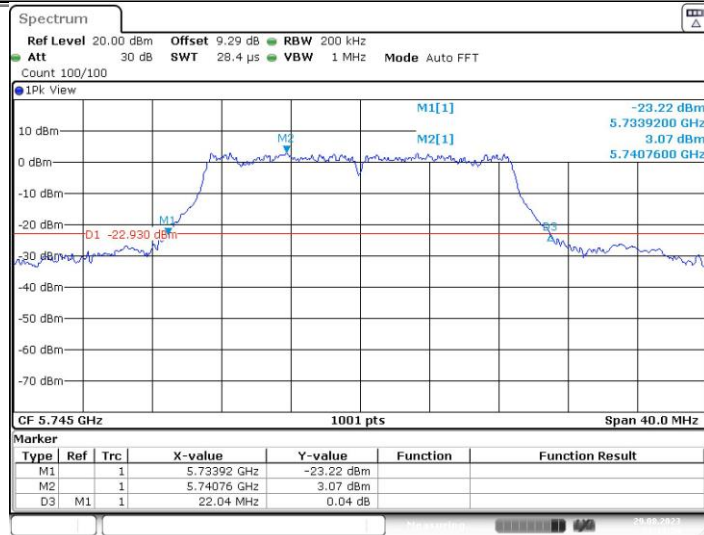
11N20SISO_Ant1_5280



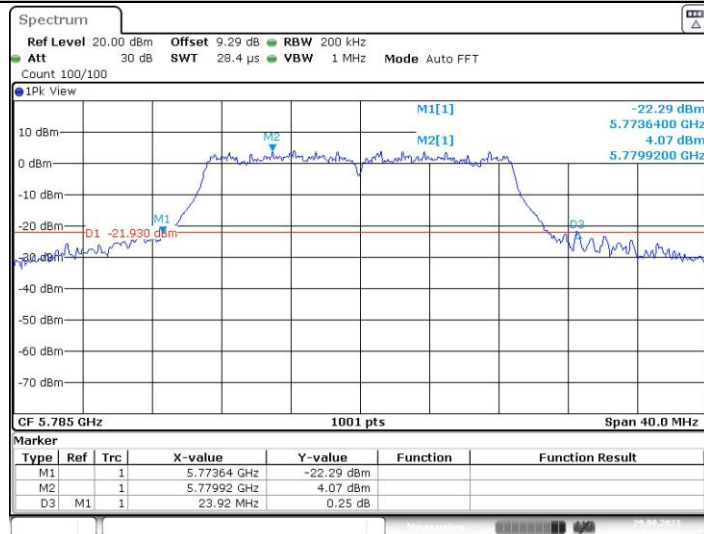
11N20SISO_Ant1_5320



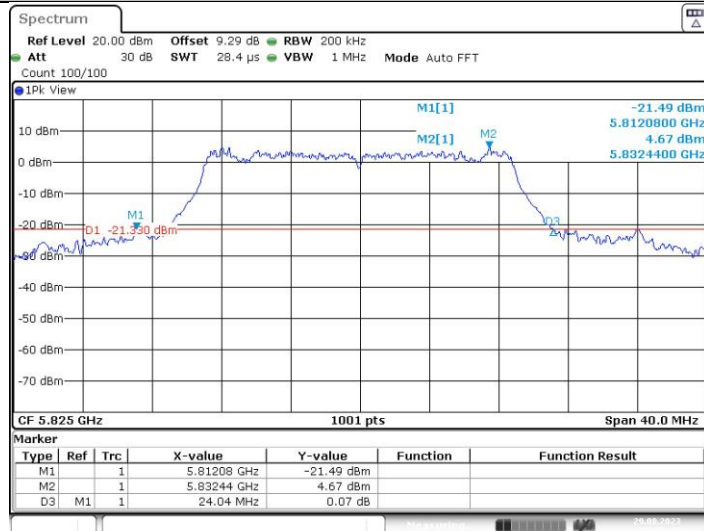
11N20SISO_Ant1_5745



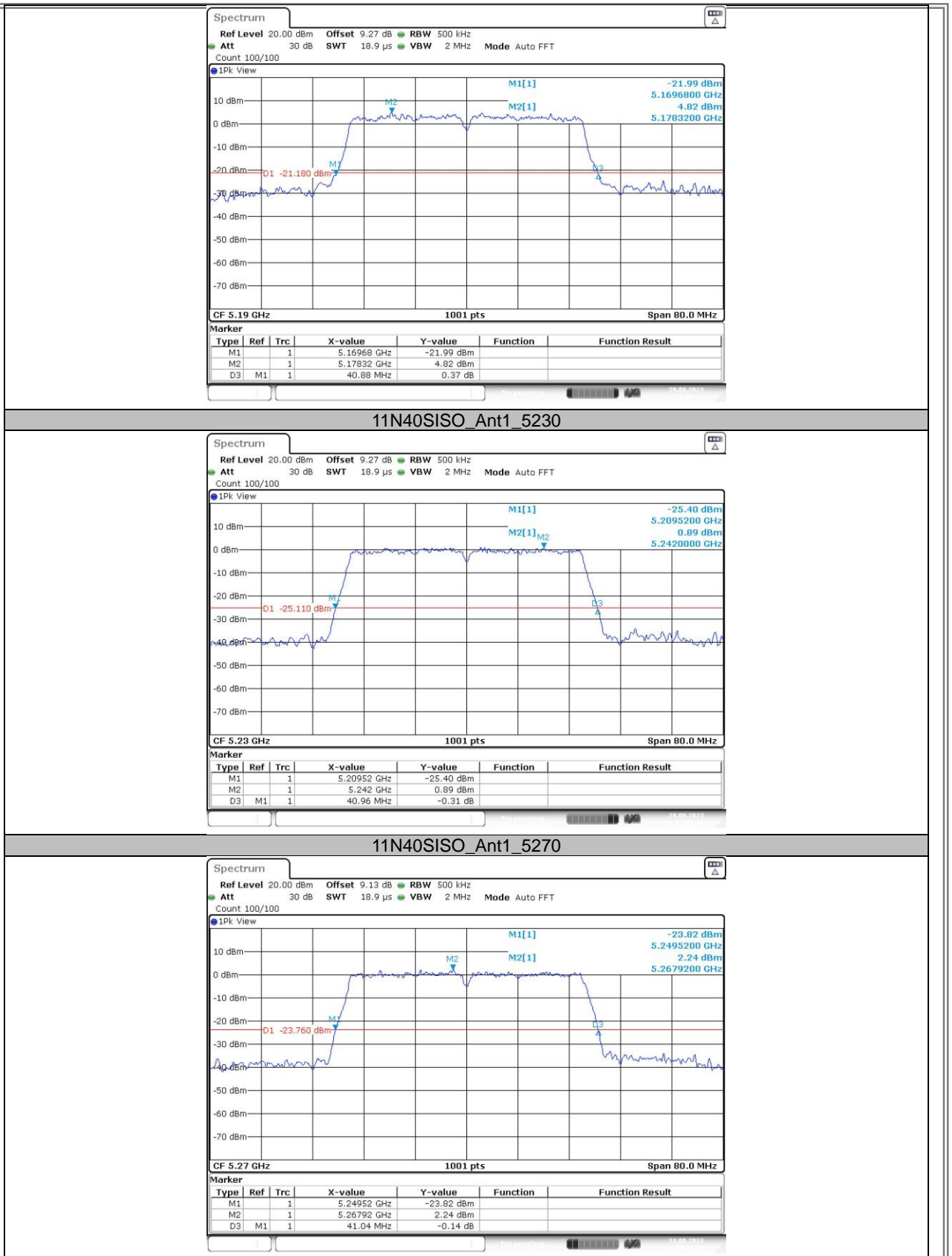
11N20SISO_Ant1_5785



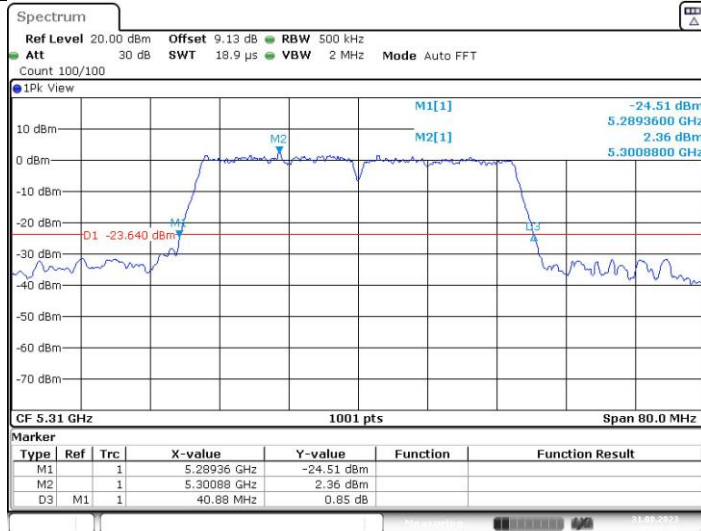
11N20SISO_Ant1_5825



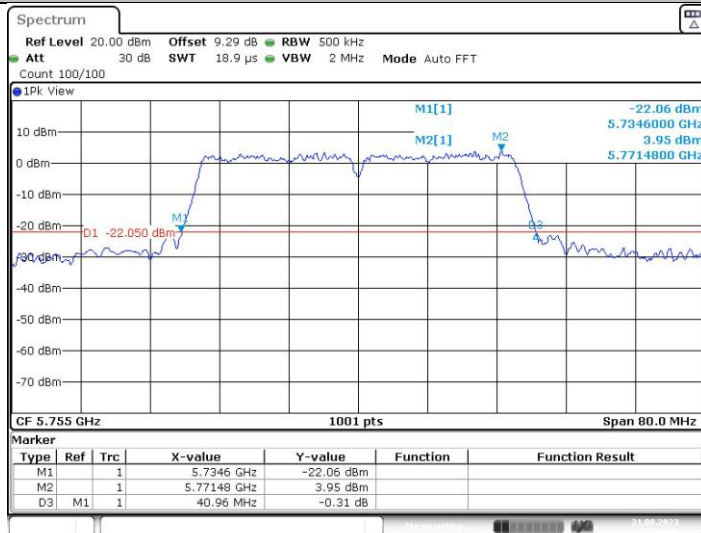
11N40SISO_Ant1_5190



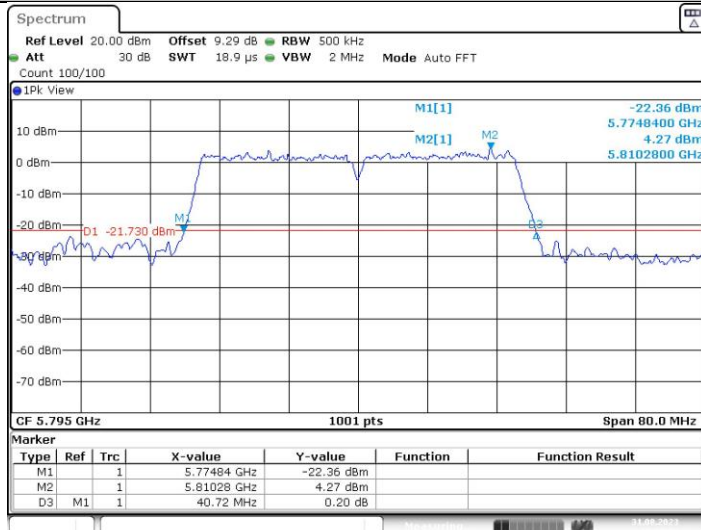
11N40SISO_Ant1_5310



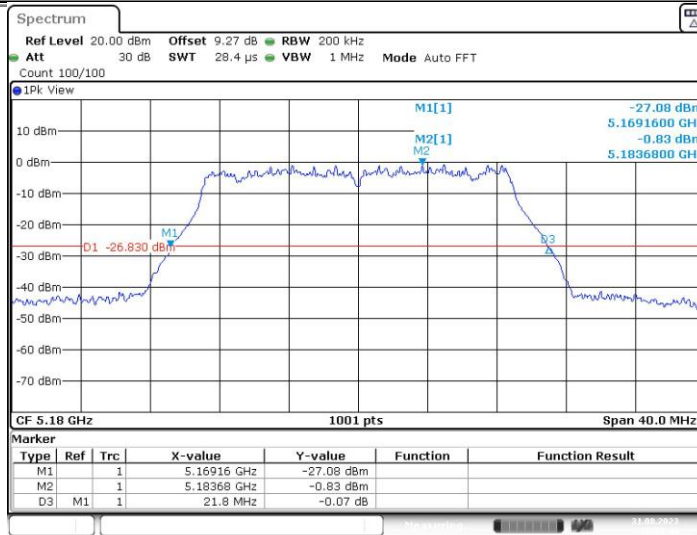
11N40SISO_Ant1_5755



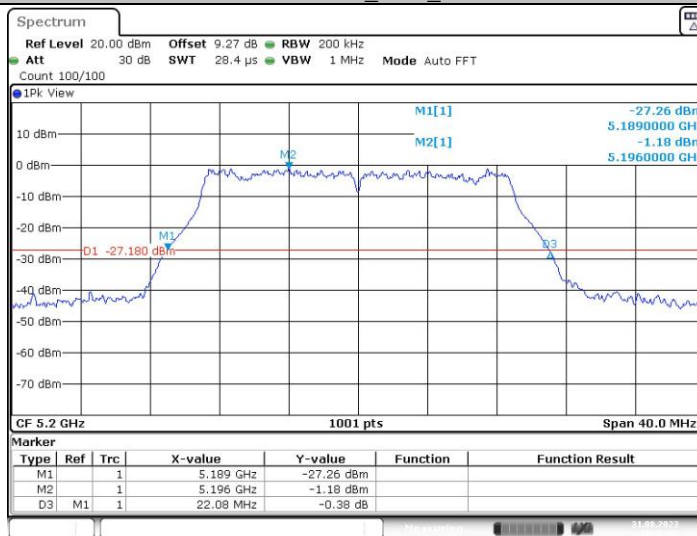
11N40SISO_Ant1_5795



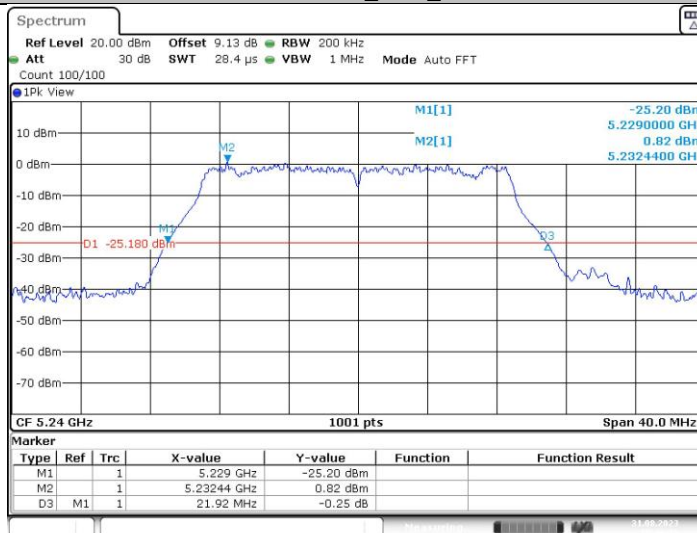
11AC20SISO_Ant1_5180



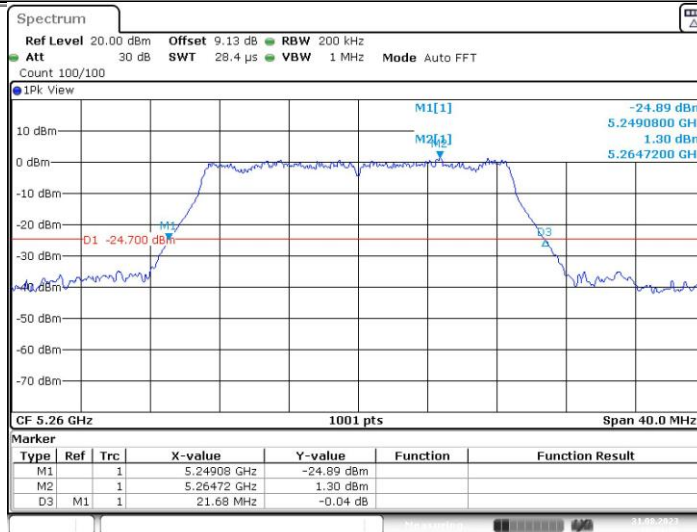
11AC20SISO_Ant1_5200



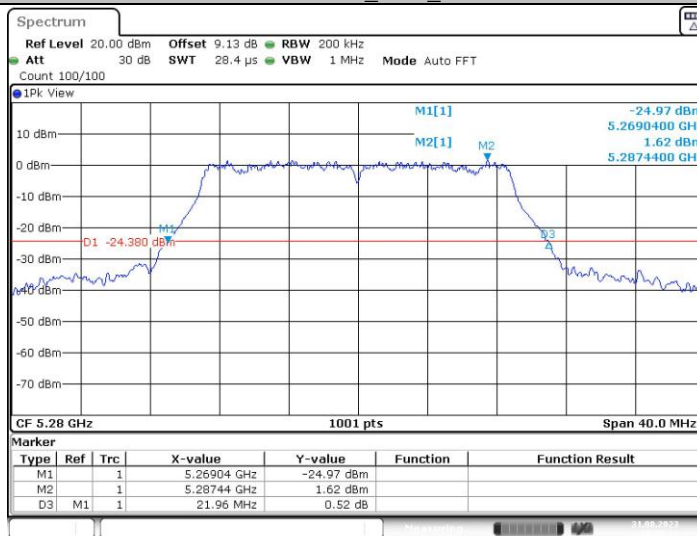
11AC20SISO_Ant1_5240



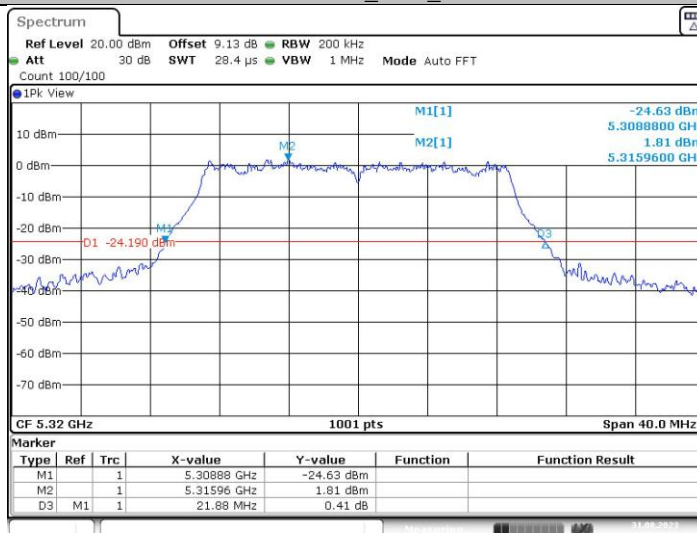
11AC20SISO_Ant1_5260



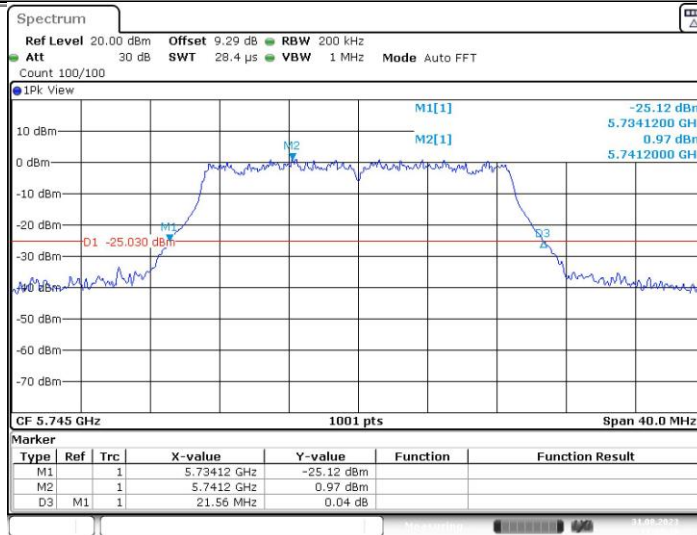
11AC20SISO_Ant1_5280



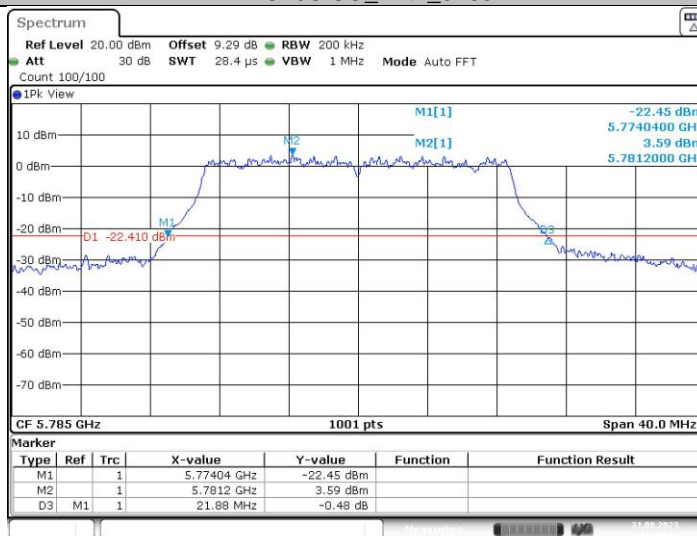
11AC20SISO_Ant1_5320



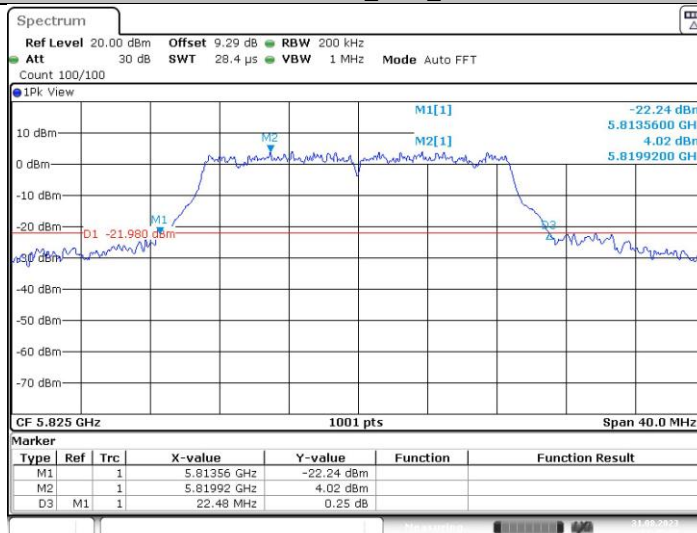
11AC20SISO_Ant1_5745



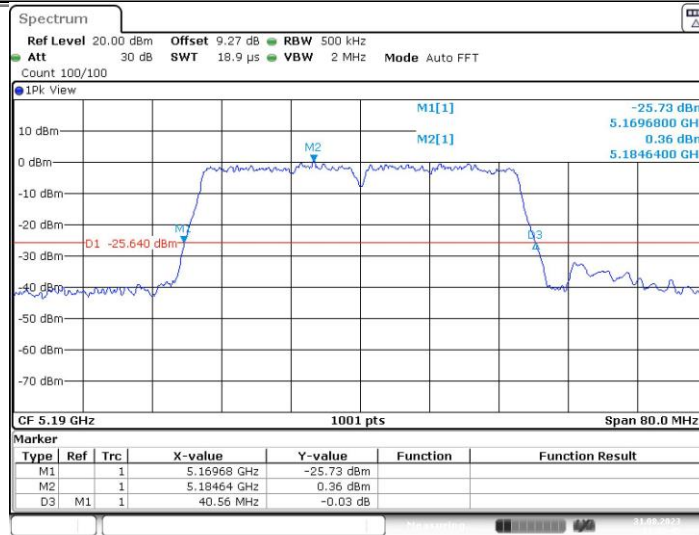
11AC20SISO_Ant1_5785



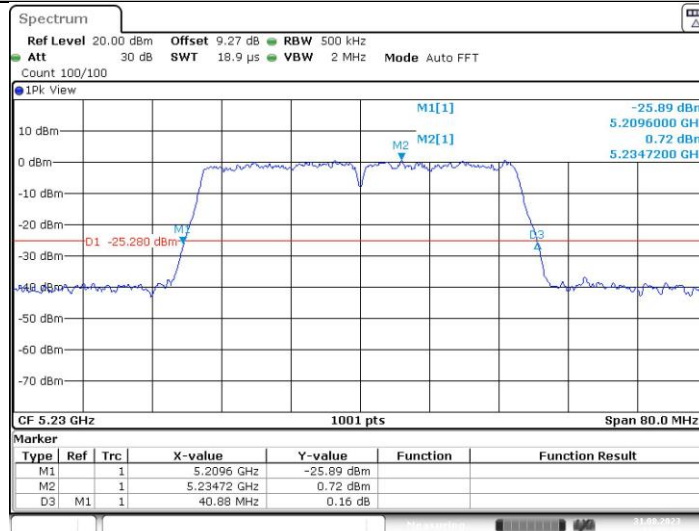
11AC20SISO_Ant1_5825



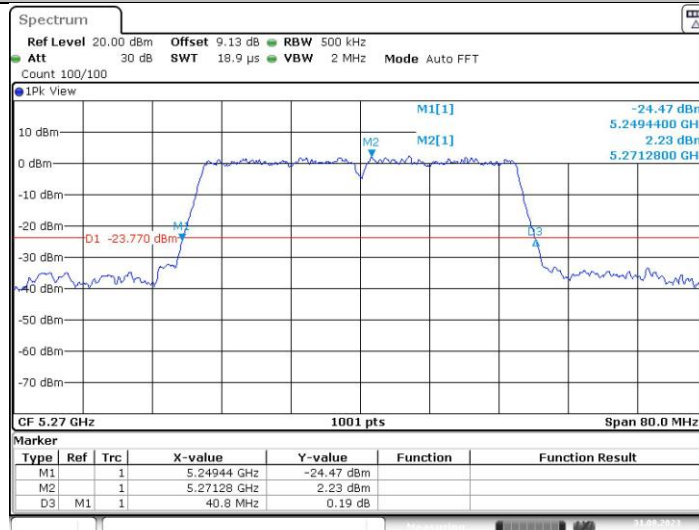
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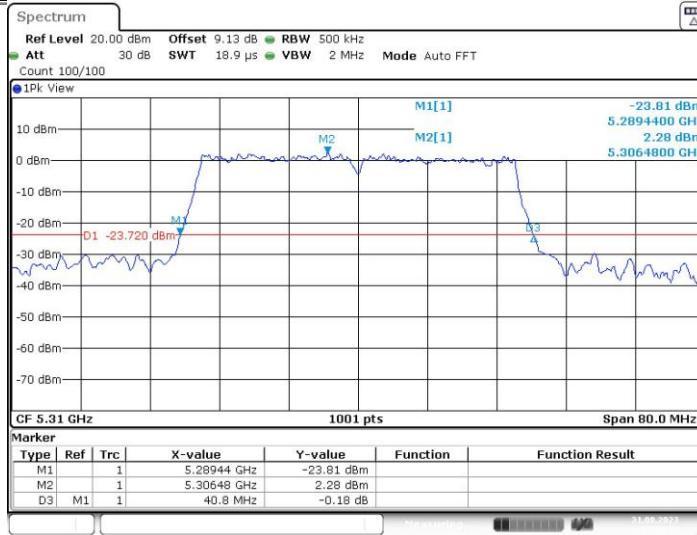
11AC40SISO_Ant1_5230



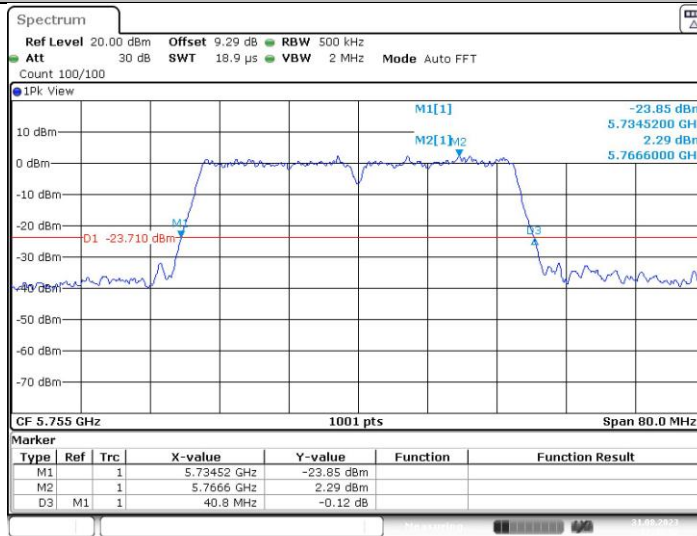
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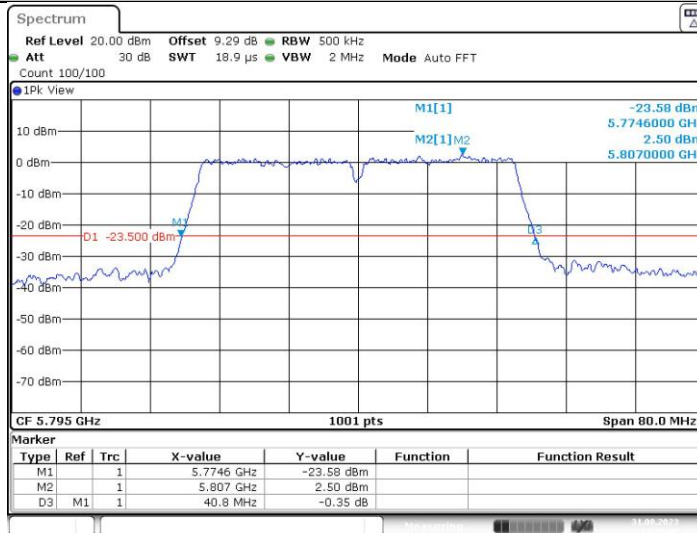
11AC40SISO_Ant1_5310



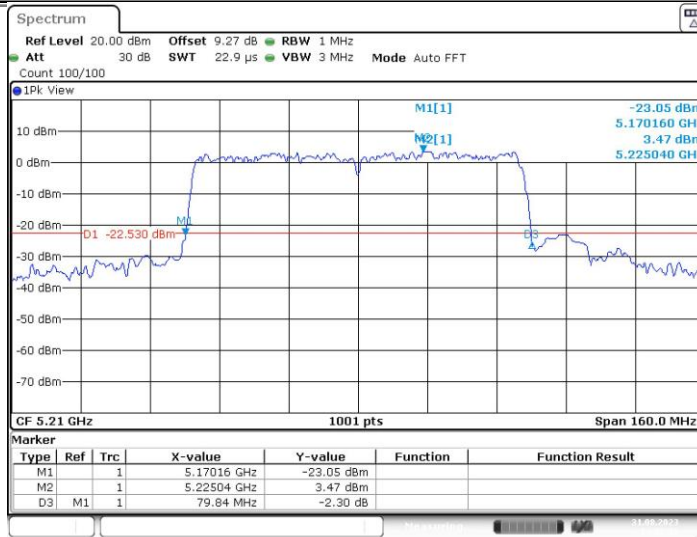
11AC40SISO_Ant1_5755



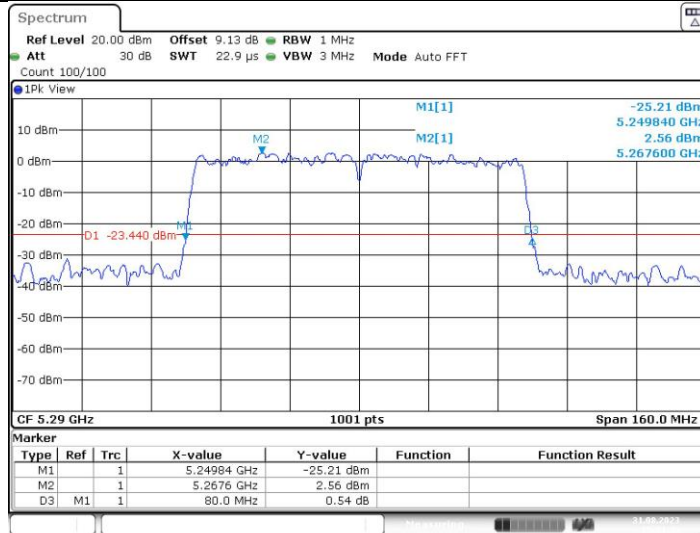
11AC40SISO_Ant1_5795



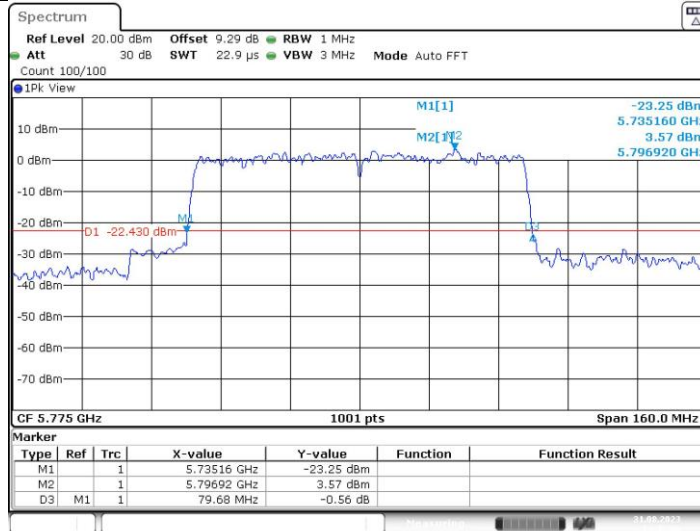
11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5775



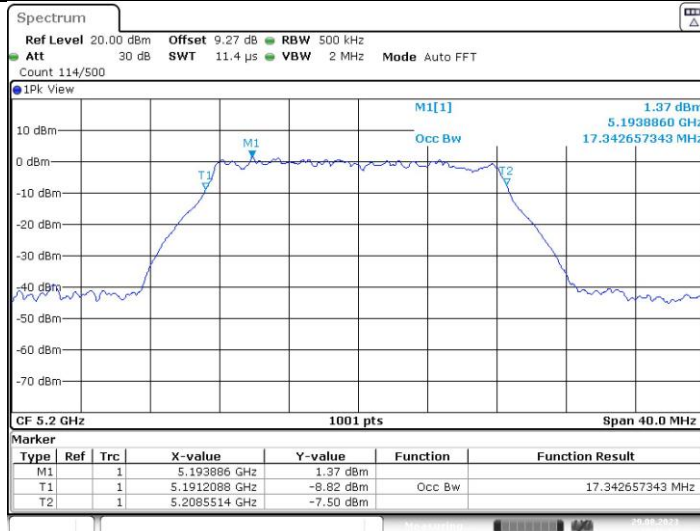
Appendix A2: Occupied channel bandwidth

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.303	5171.3686	5188.6713	---	---
		5200	17.343	5191.2088	5208.5514	---	---
		5240	17.702	5231.2887	5248.9910	---	---
		5260	17.463	5251.2088	5268.6713	---	---
		5280	17.622	5270.9690	5288.5914	---	---
		5320	17.622	5311.0090	5328.6314	---	---
		5745	17.662	5736.1688	5753.8312	---	---
		5785	17.542	5776.0090	5793.5514	---	---
11N20SISO	Ant1	5825	17.782	5816.0490	5833.8312	---	---
		5180	18.581	5170.5295	5189.1109	---	---
		5200	18.342	5190.7293	5209.0709	---	---
		5240	17.942	5231.0090	5248.9510	---	---
		5260	18.182	5250.8492	5269.0310	---	---
		5280	18.621	5270.4096	5289.0310	---	---
		5320	19.181	5310.2098	5329.3906	---	---
		5745	18.142	5735.8492	5753.9910	---	---
11N40SISO	Ant1	5785	18.222	5775.8092	5794.0310	---	---
		5825	18.501	5815.6094	5834.1109	---	---
		5190	36.923	5171.6184	5208.5415	---	---
		5230	36.923	5211.2987	5248.2218	---	---
		5270	36.683	5251.4585	5288.1419	---	---
		5310	36.603	5291.5385	5328.1419	---	---
11AC20SISO	Ant1	5755	36.523	5736.6983	5773.2218	---	---
		5795	37.003	5776.4585	5813.4615	---	---
		5180	18.501	5170.7692	5189.2707	---	---
		5200	18.422	5190.6893	5209.1109	---	---
		5240	18.901	5230.4895	5249.3906	---	---
		5260	18.462	5250.6094	5269.0709	---	---
		5280	18.262	5270.8492	5289.1109	---	---
		5320	18.262	5310.9291	5329.1908	---	---
11AC40SISO	Ant1	5745	18.382	5735.9291	5754.3107	---	---
		5785	18.661	5775.4496	5794.1109	---	---
		5825	18.382	5815.8092	5834.1908	---	---
		5190	36.923	5171.5385	5208.4615	---	---
		5230	36.763	5211.4585	5248.2218	---	---
		5270	36.444	5251.6983	5288.1419	---	---
11AC80SISO	Ant1	5310	36.523	5291.6983	5328.2218	---	---
		5755	36.843	5736.3786	5773.2218	---	---
		5795	36.763	5776.6184	5813.3816	---	---
		5210	75.604	5172.2777	5247.8821	---	---
	Ant1	5290	75.764	5251.7982	5327.5624	---	---
		5775	76.244	5736.7982	5813.0420	---	---

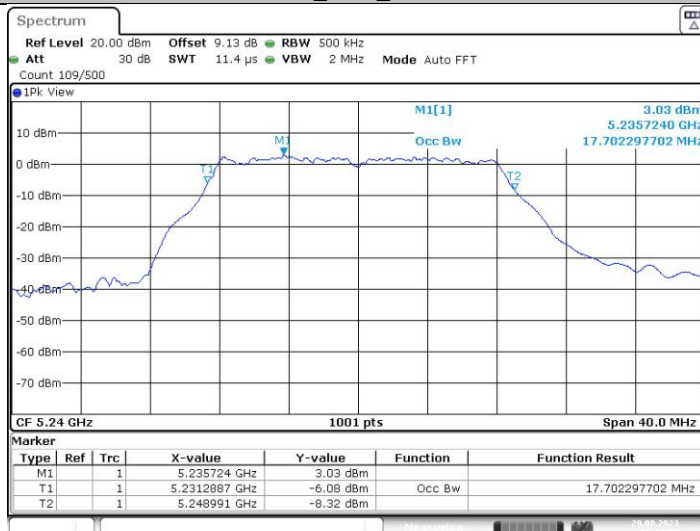
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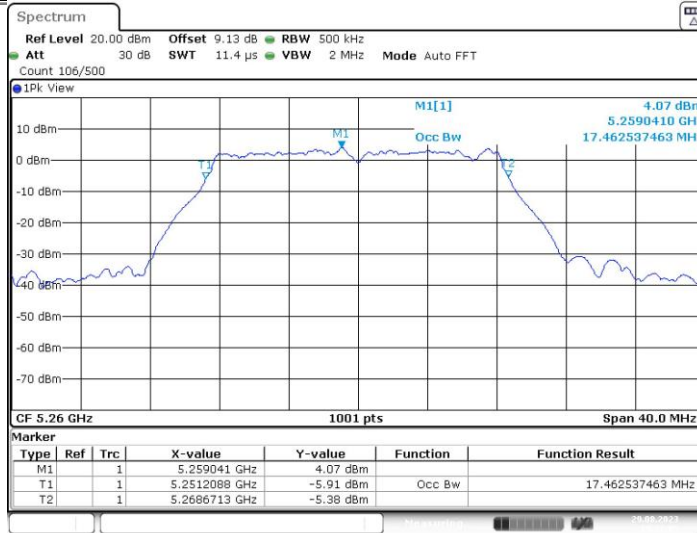
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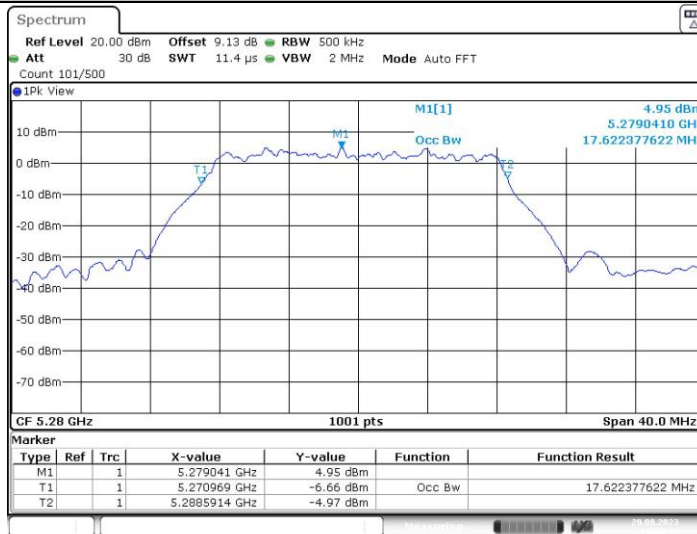
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11A_Ant1_5260



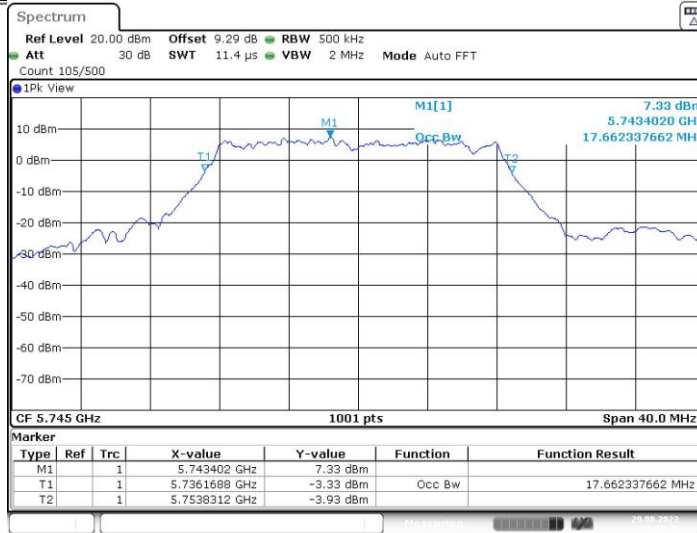
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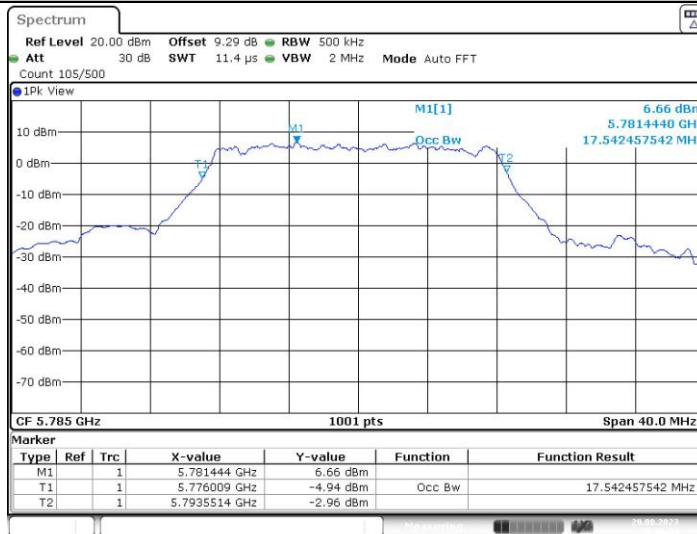
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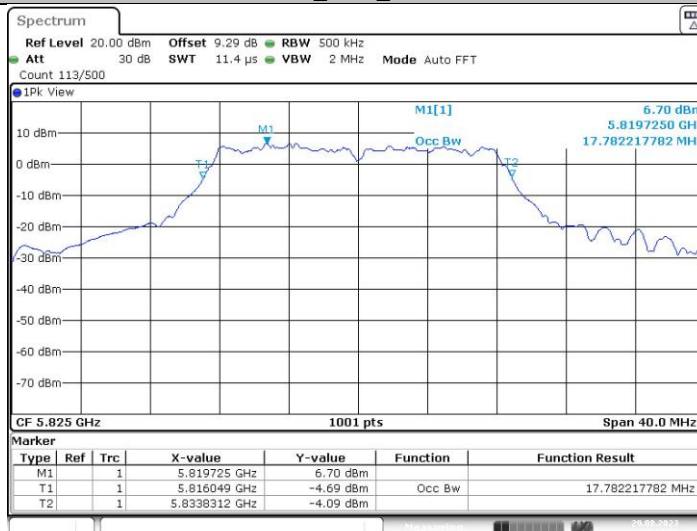
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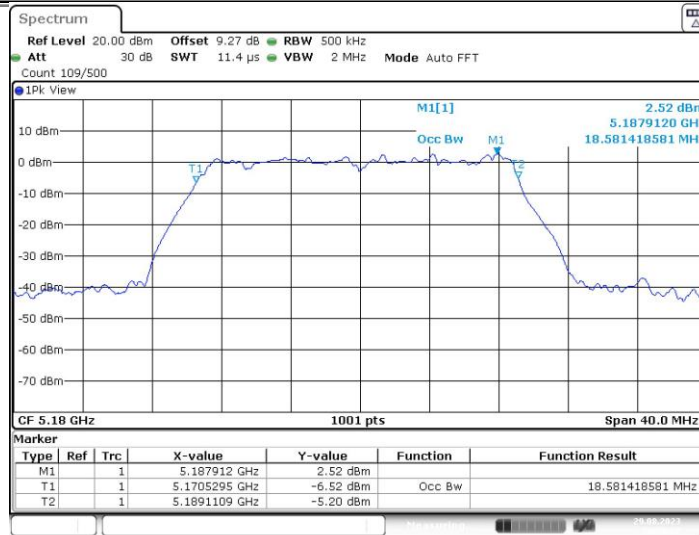
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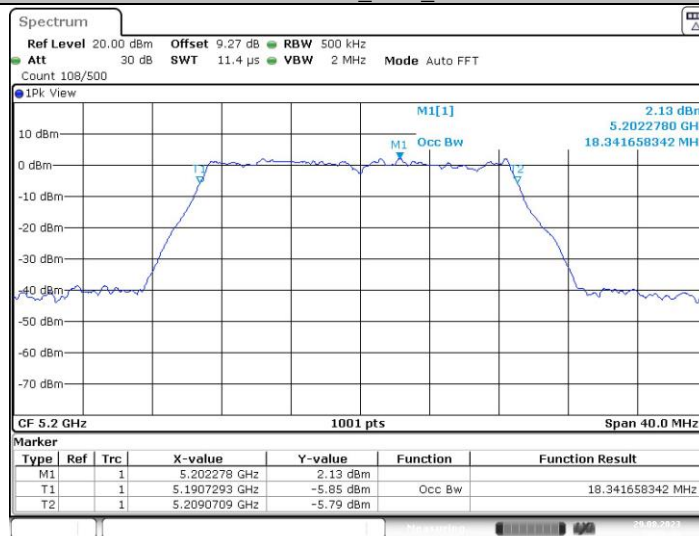
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11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



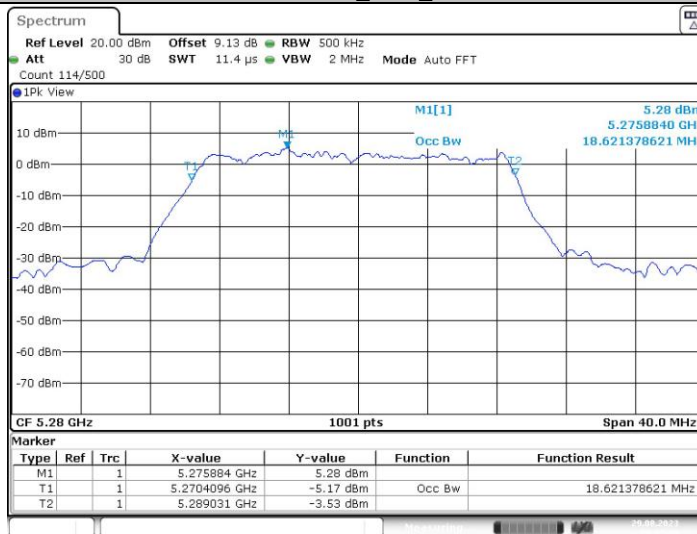
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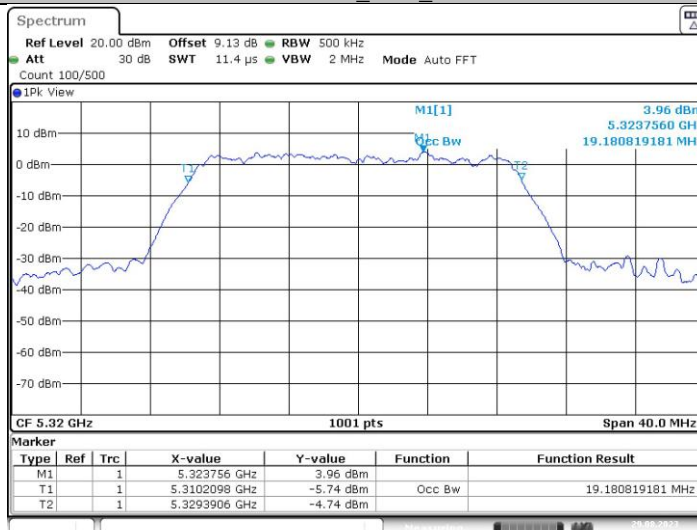
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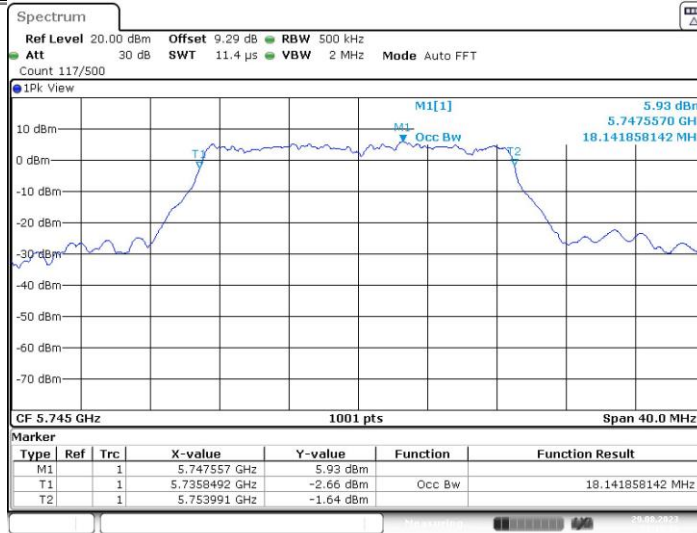
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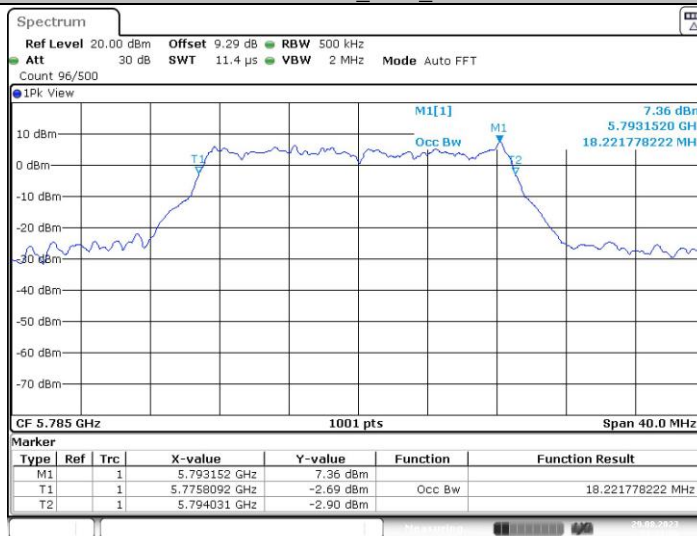
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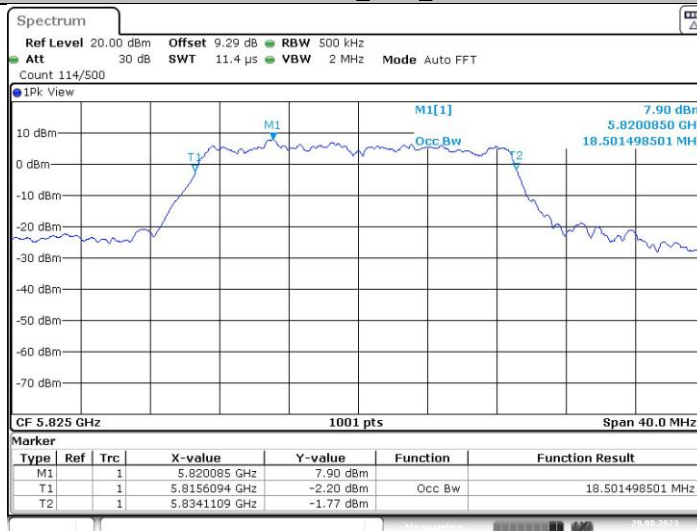
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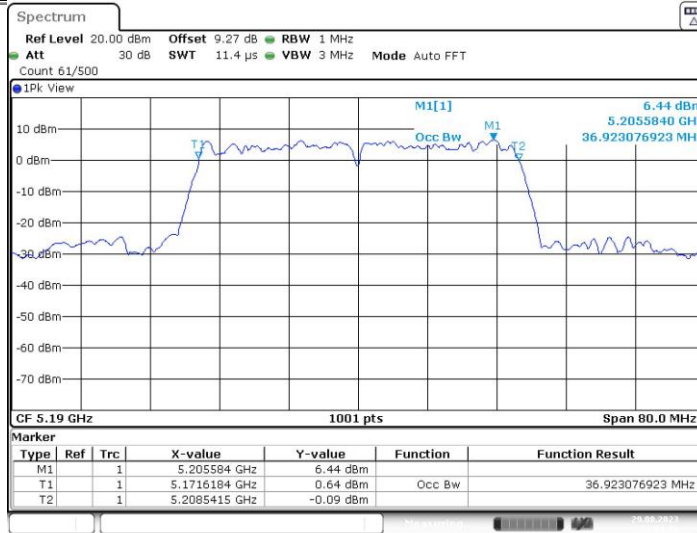
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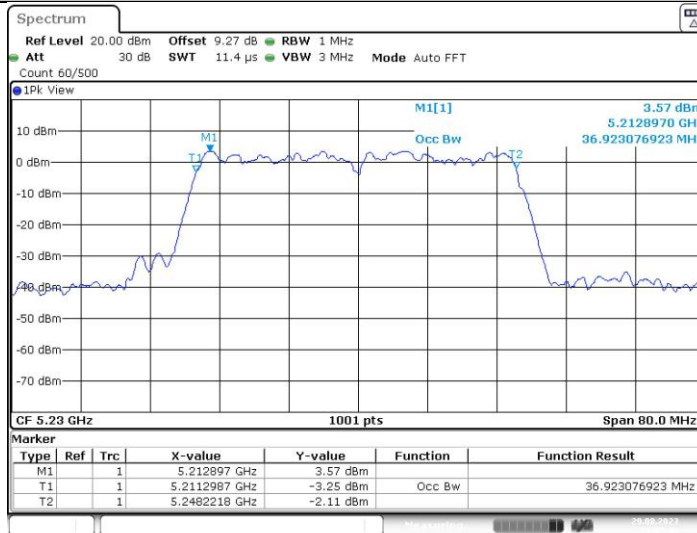
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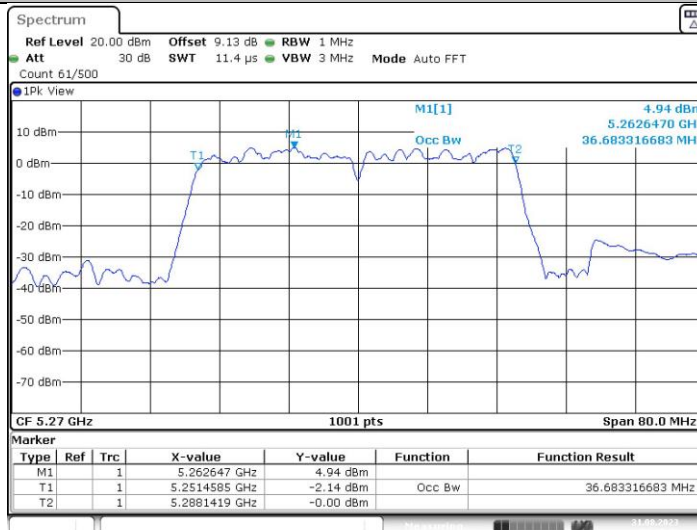
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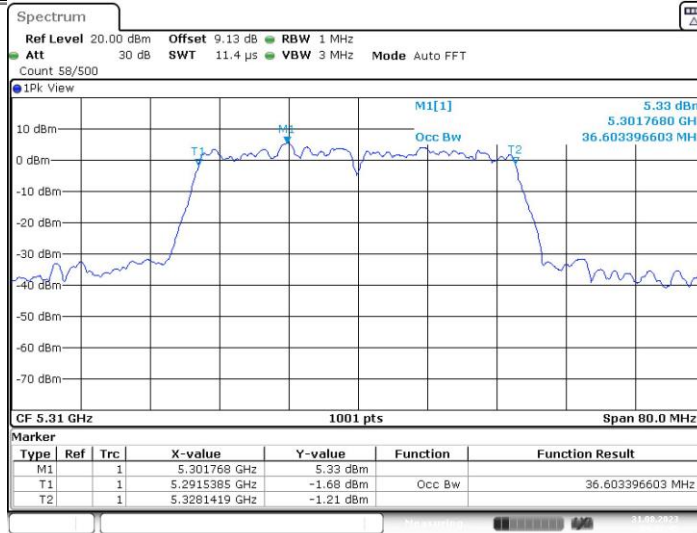
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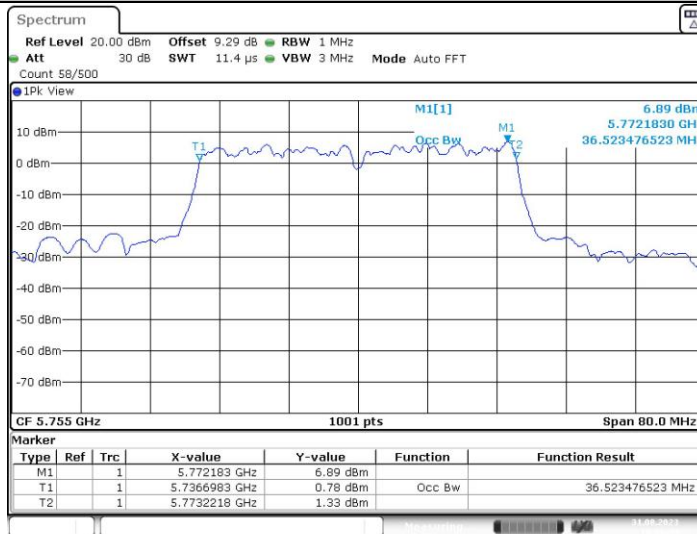
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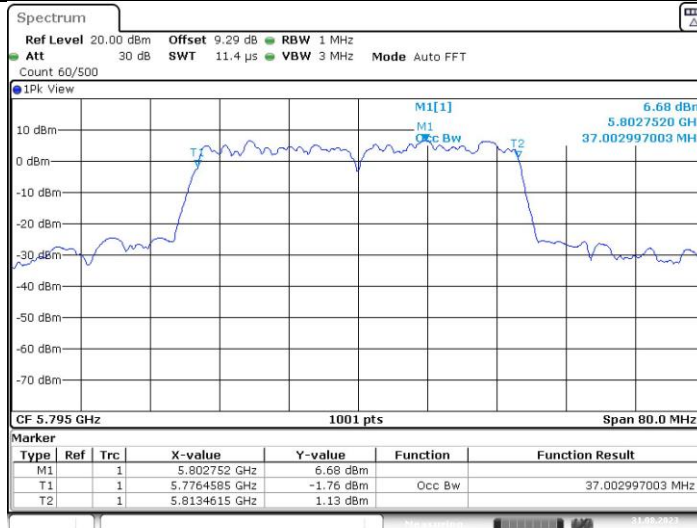
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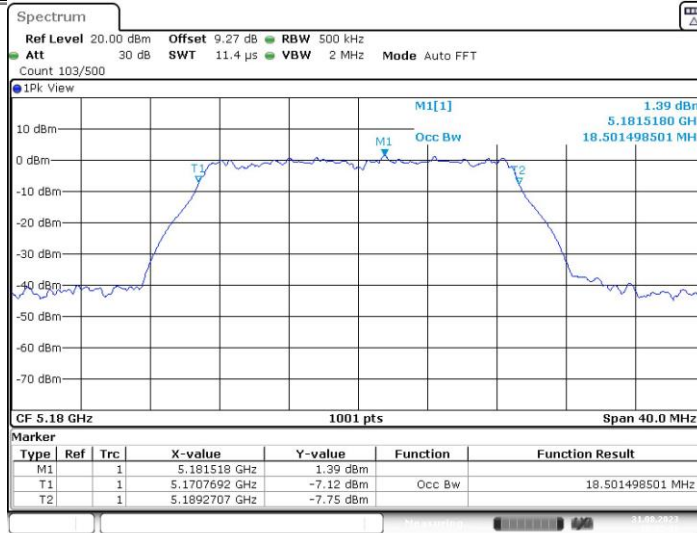
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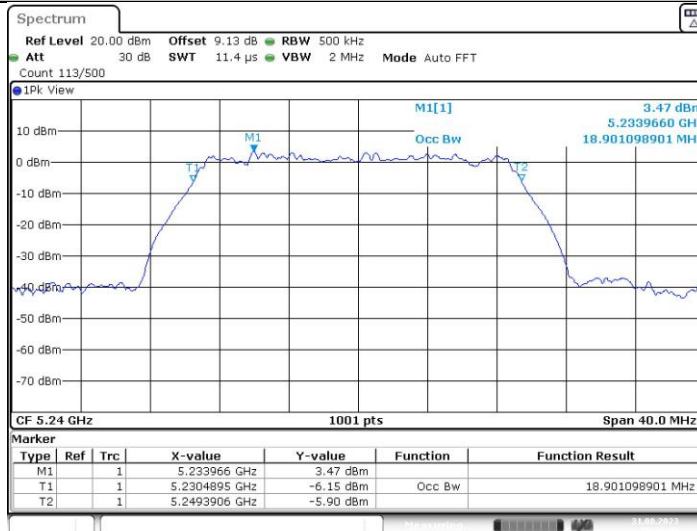
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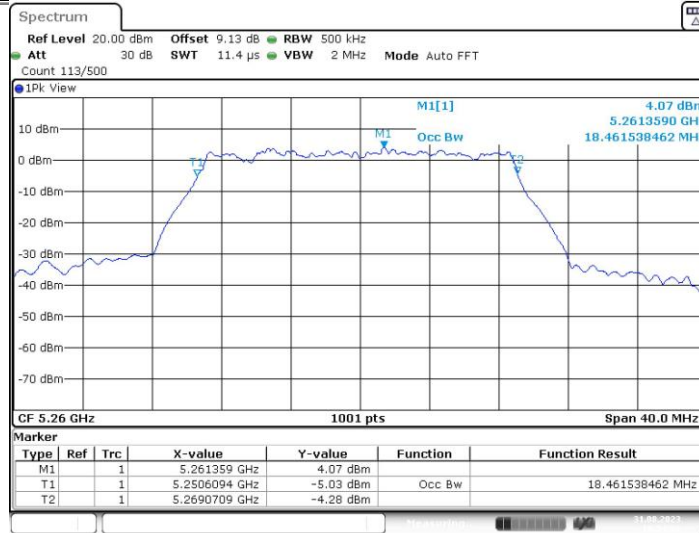
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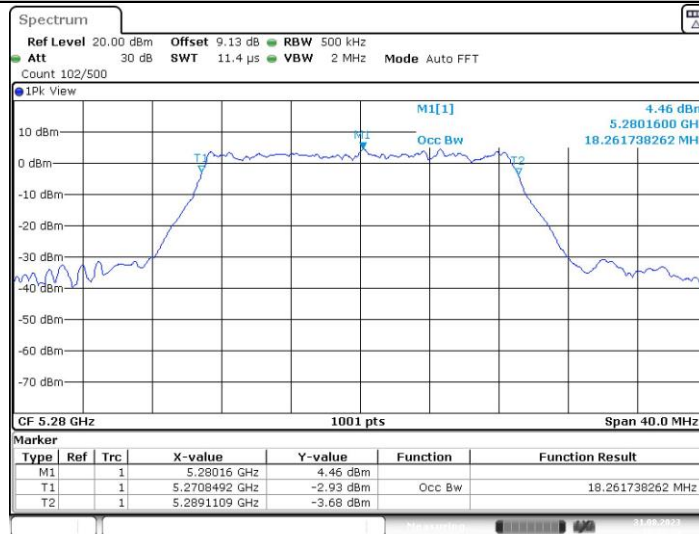
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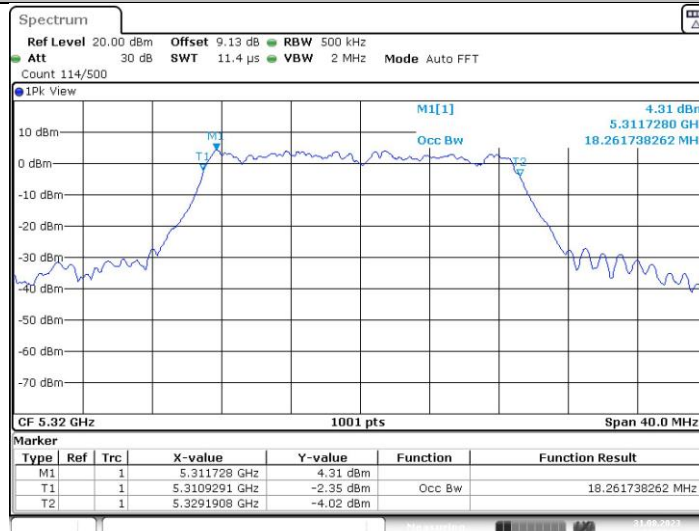
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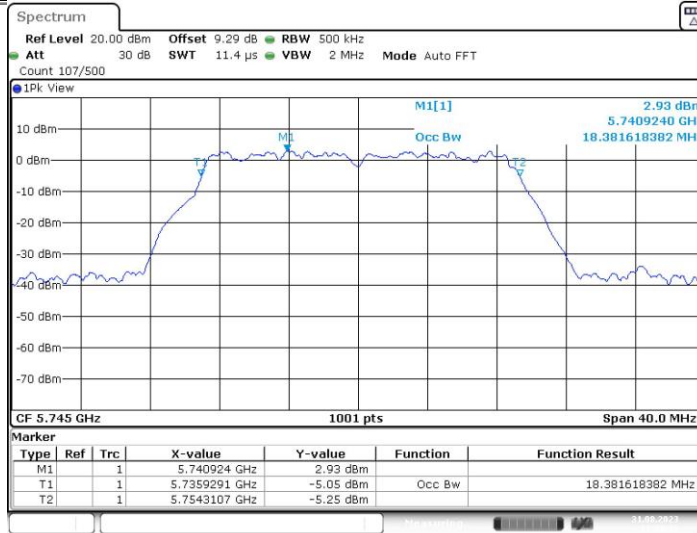
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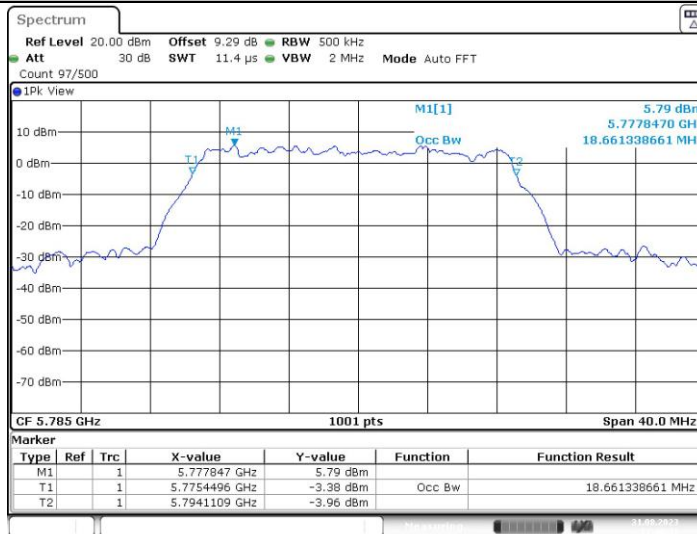
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11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190