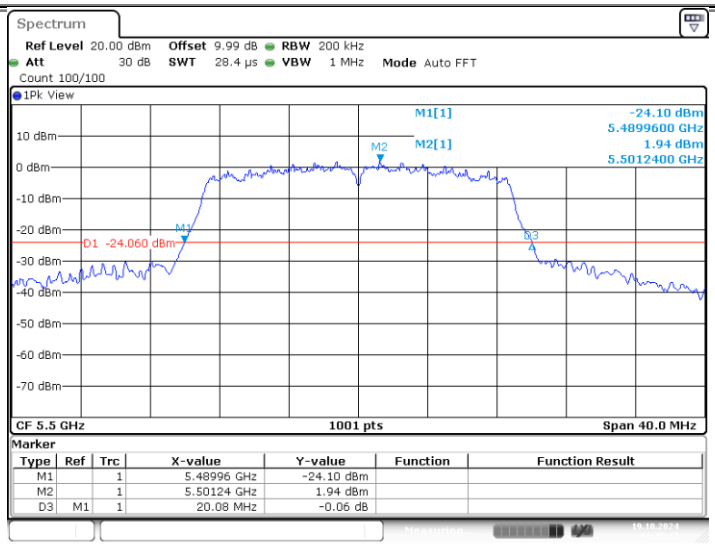

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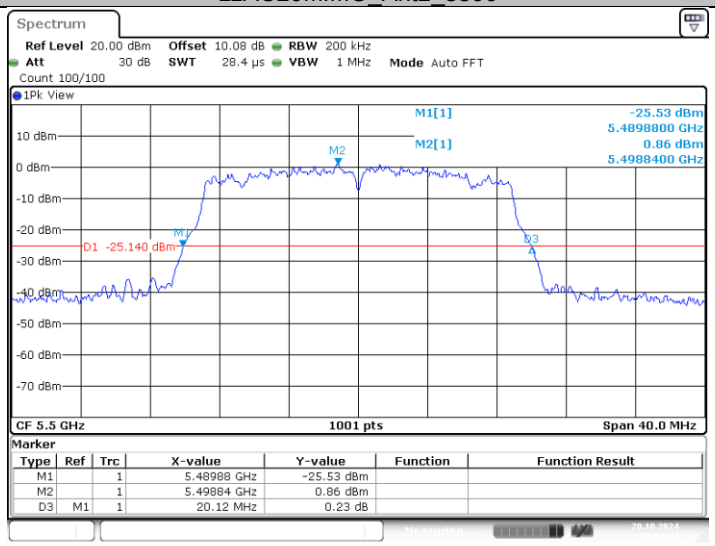

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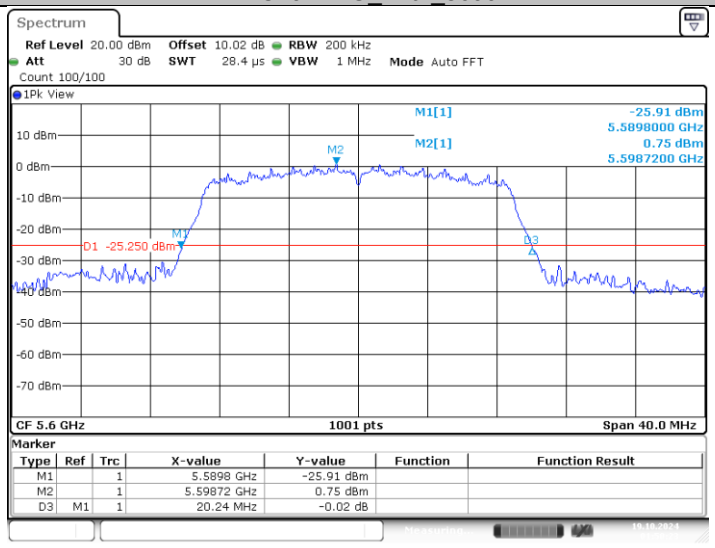

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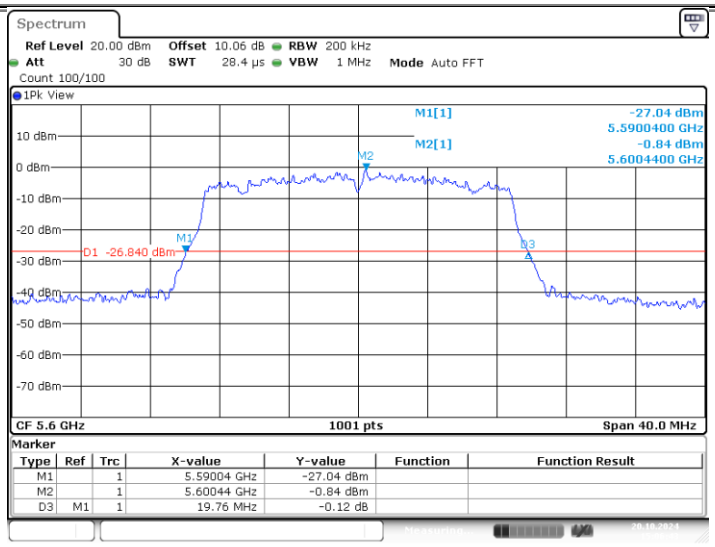

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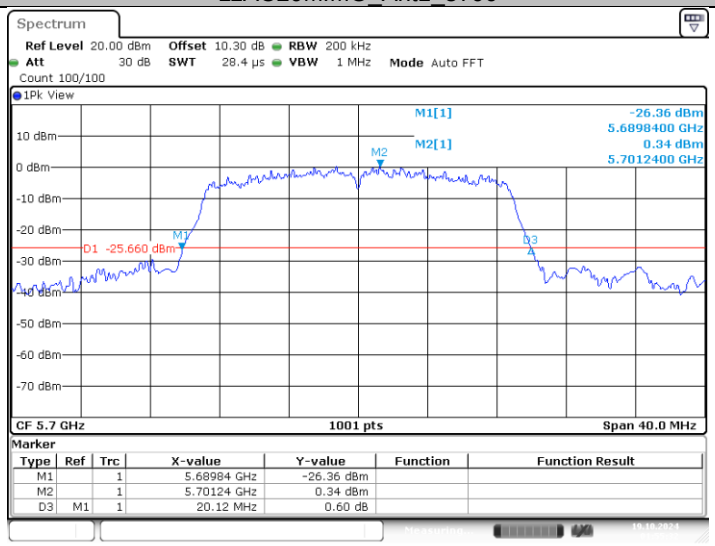

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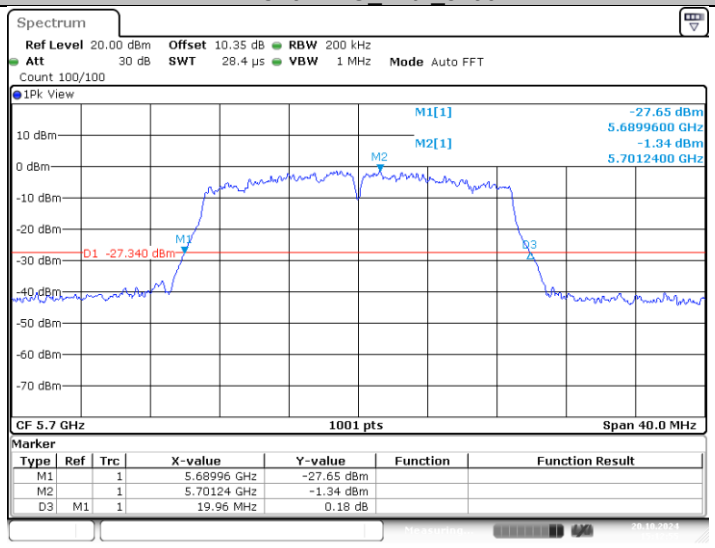

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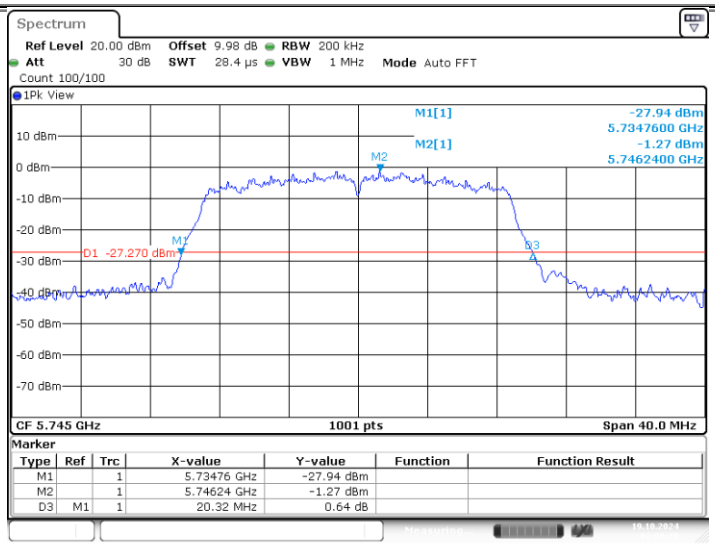

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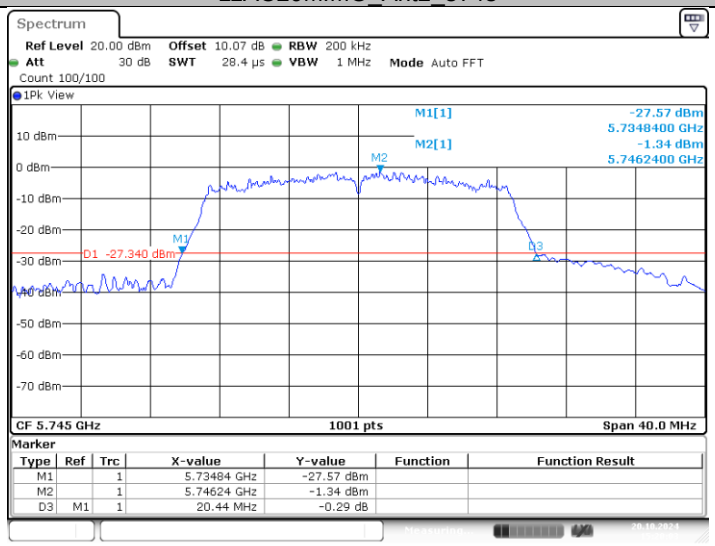

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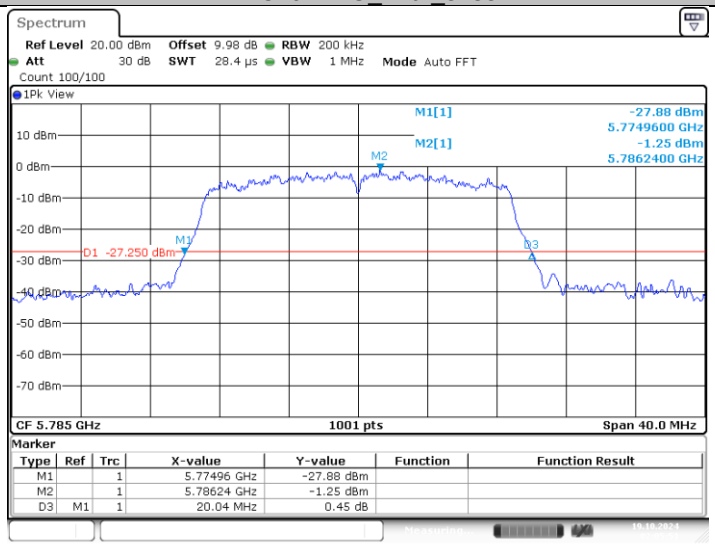

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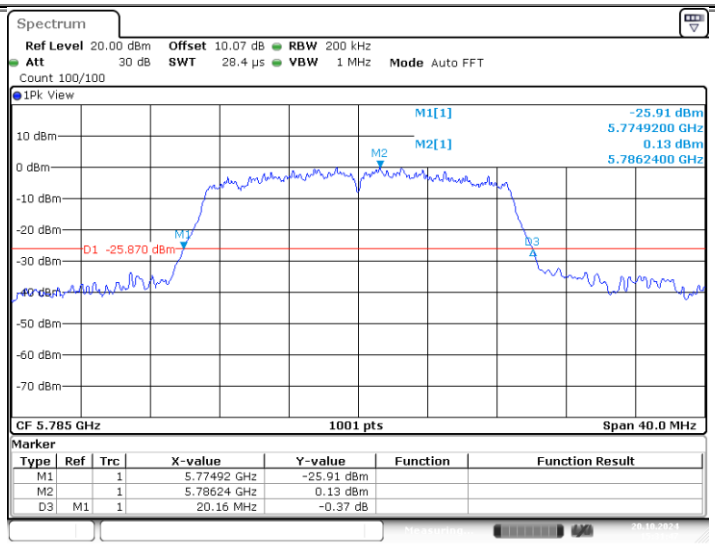

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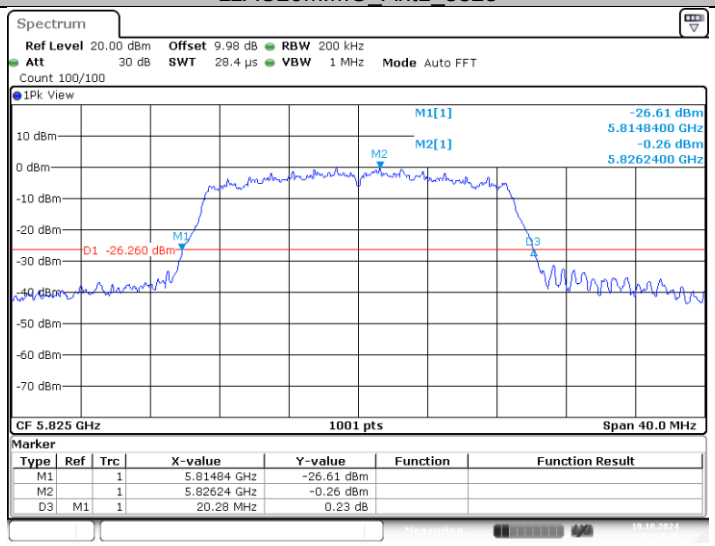

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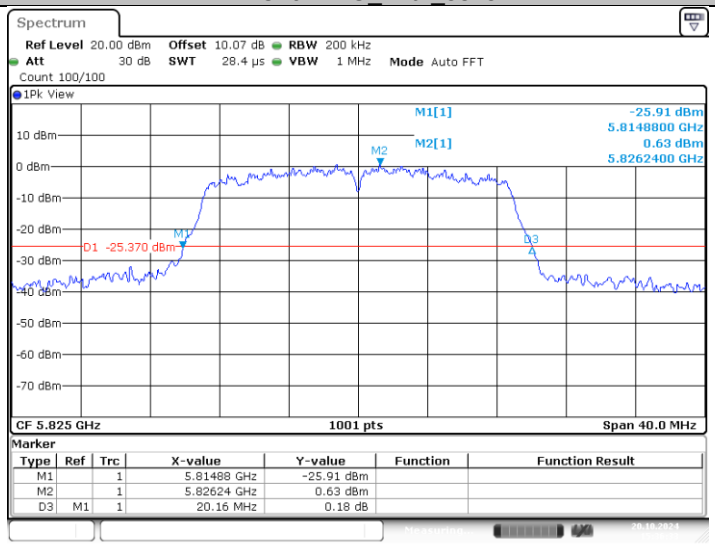

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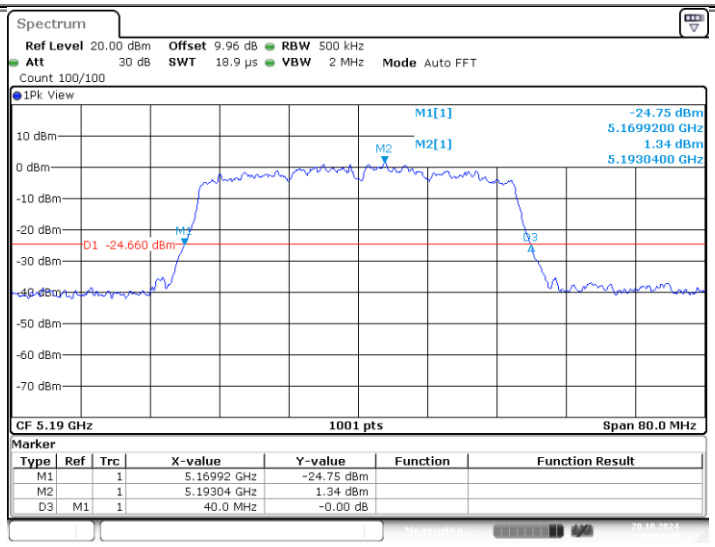

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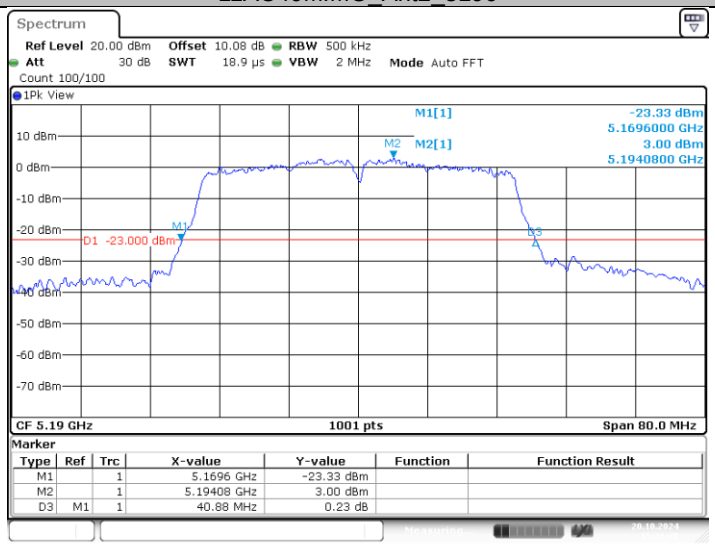

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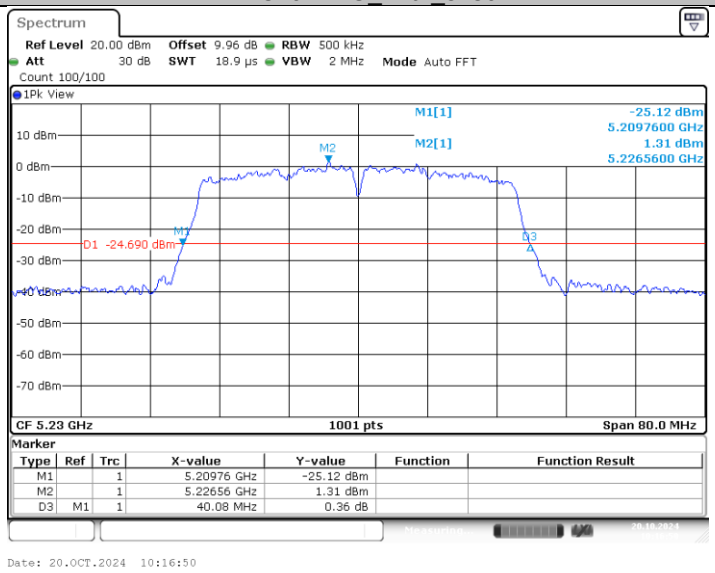

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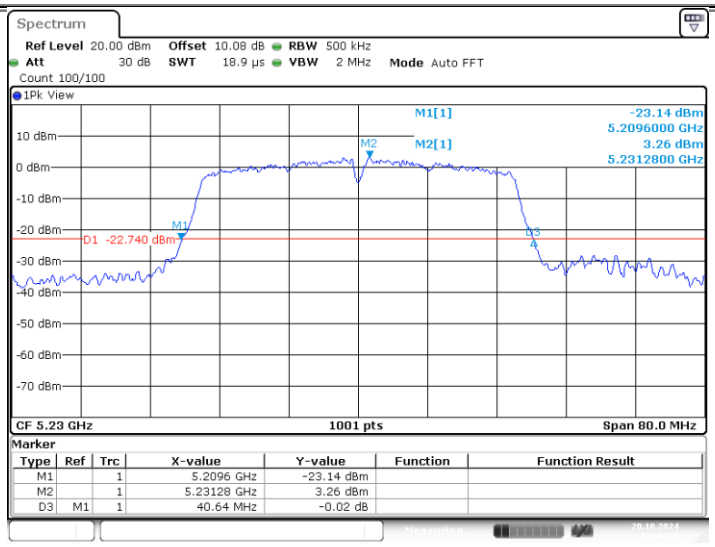

Date: 20.OCT.2024 15:46:50

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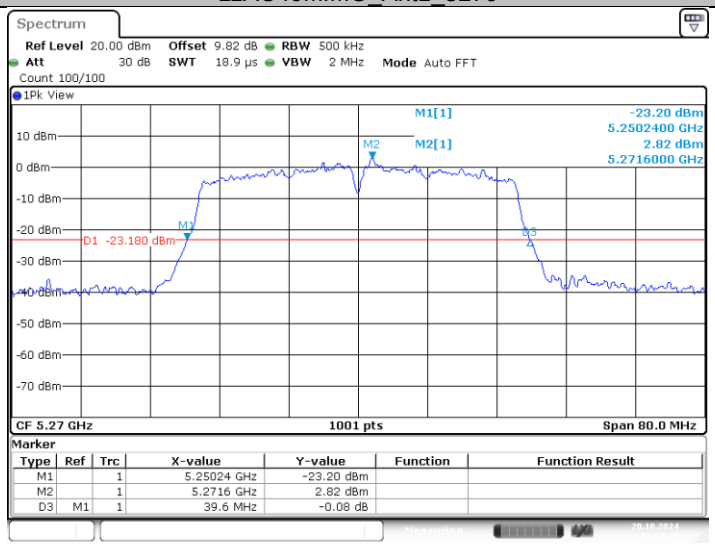

Date: 20.OCT.2024 10:23:27

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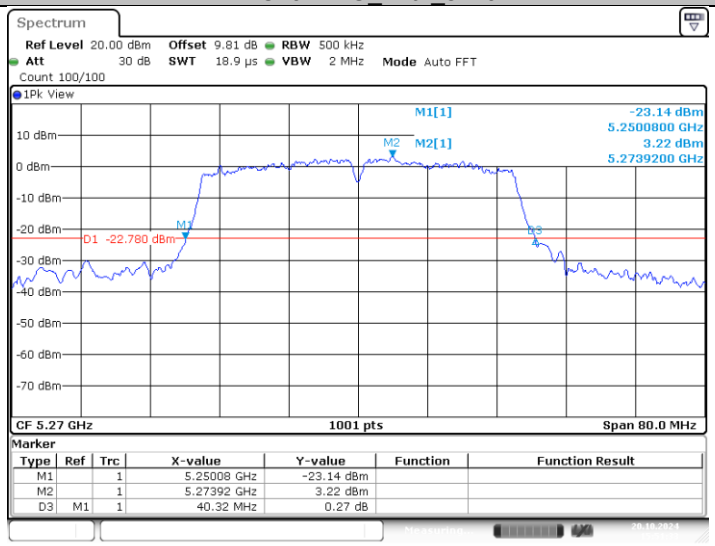

Date: 20.OCT.2024 15:51:33

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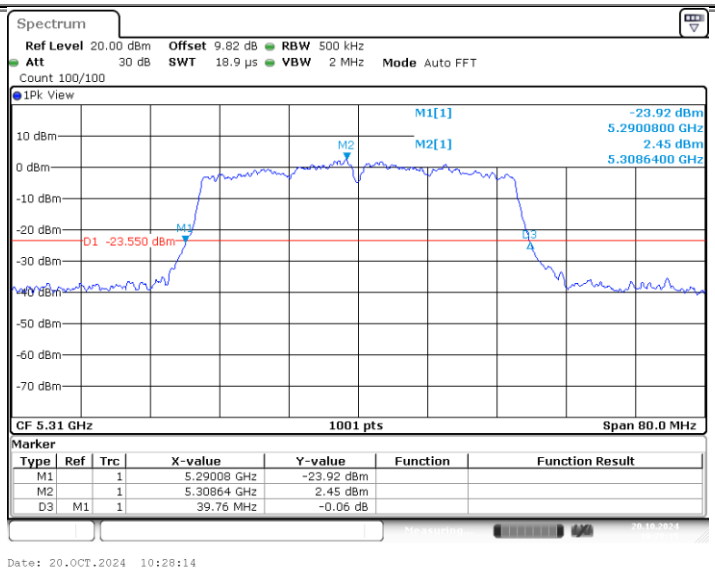

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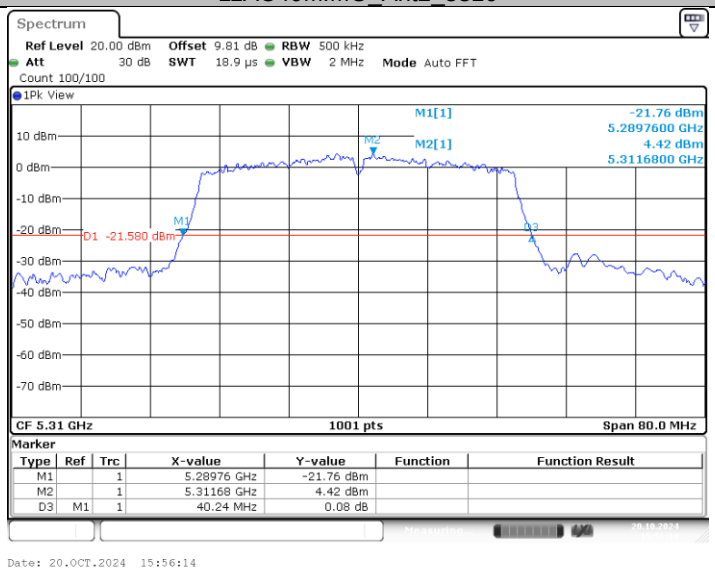

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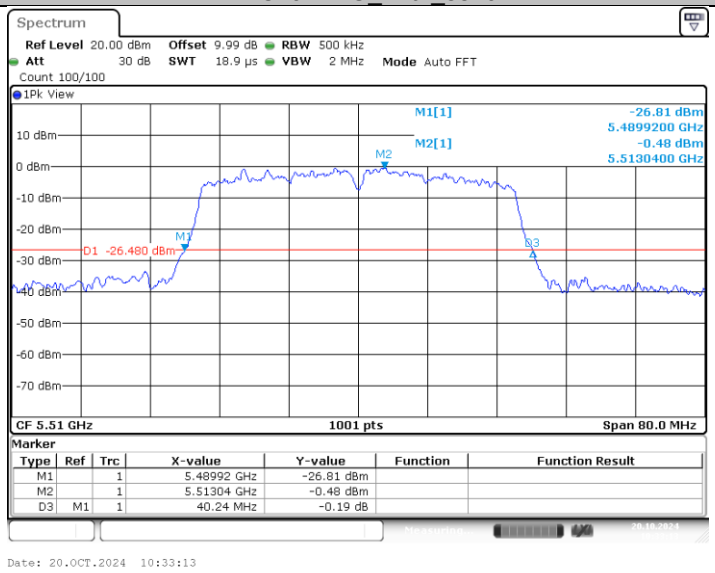

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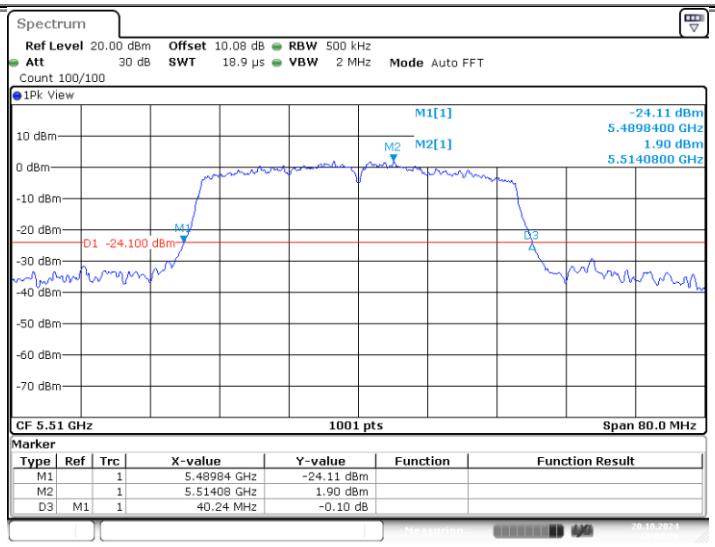

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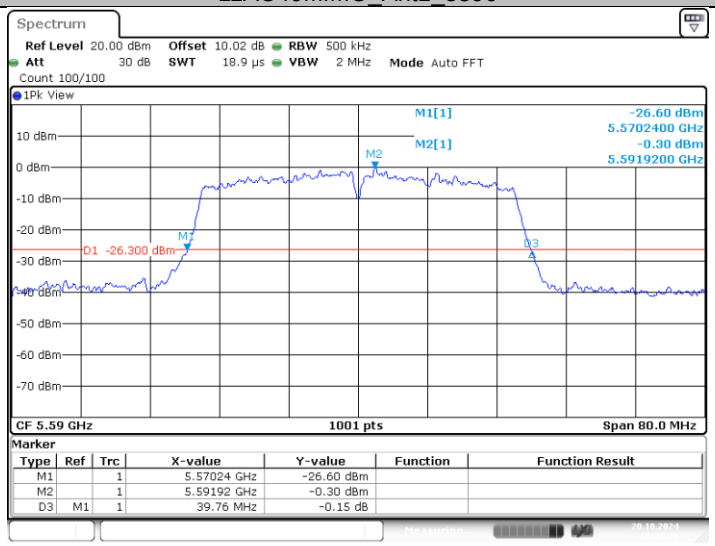

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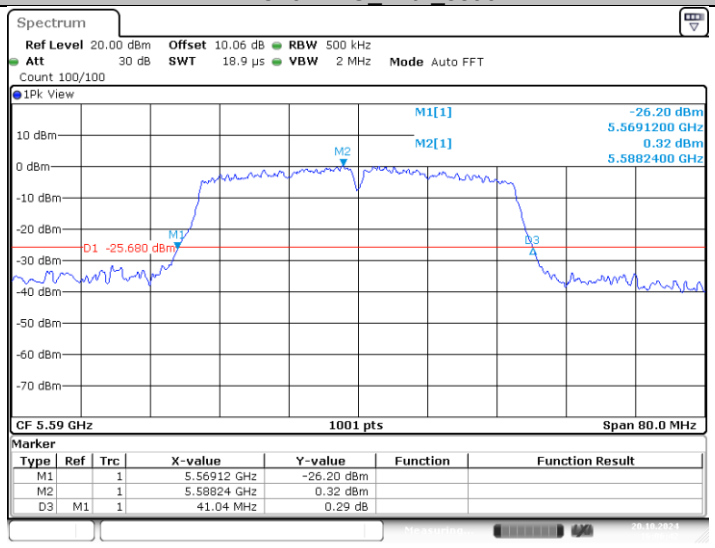

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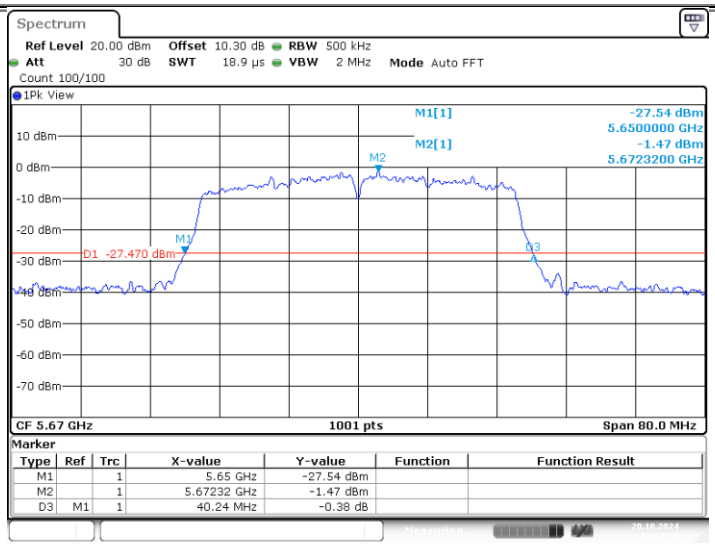

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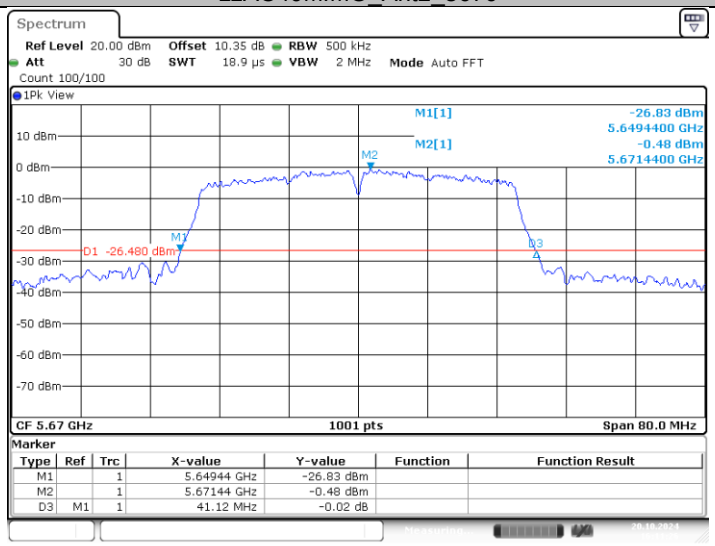

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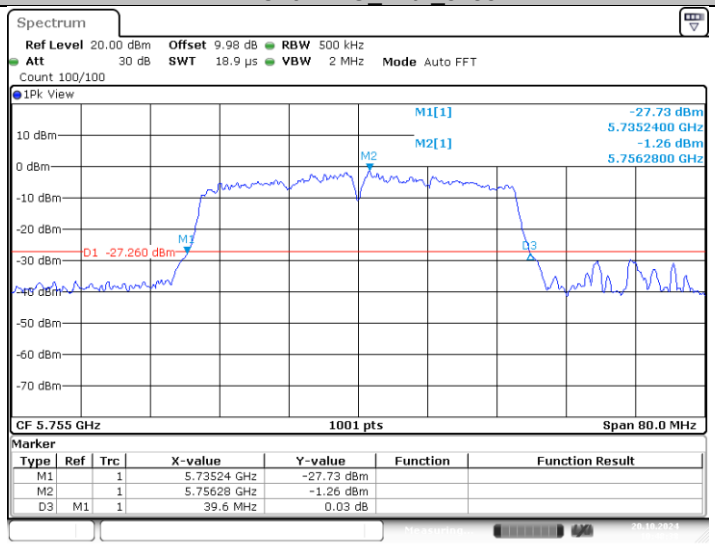

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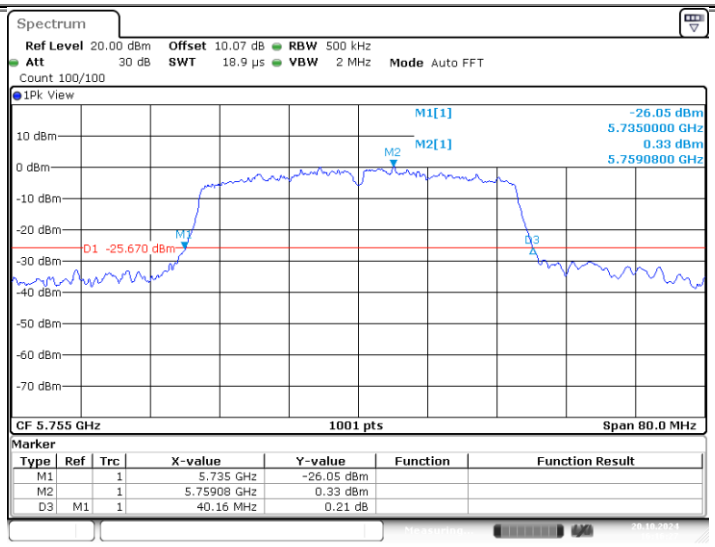

Date: 20.OCT.2024 16:16:26

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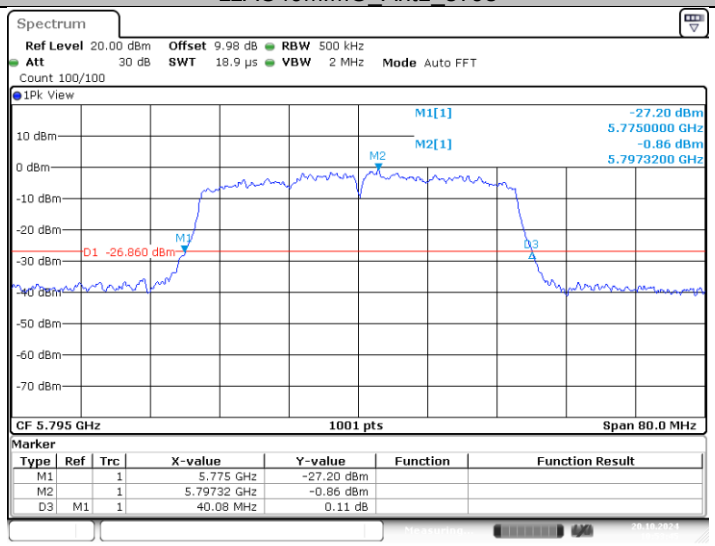

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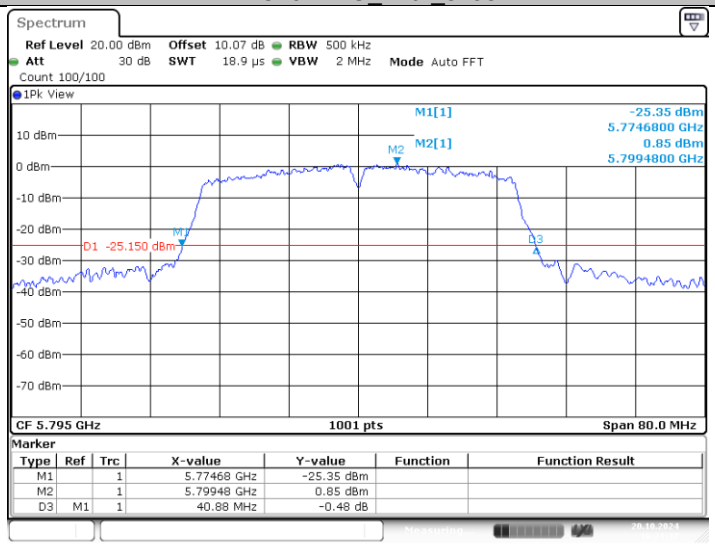

Date: 20.OCT.2024 16:21:37

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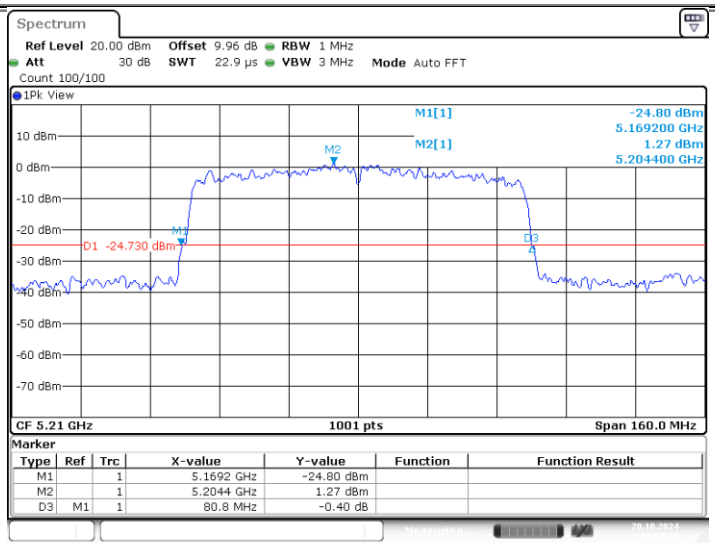

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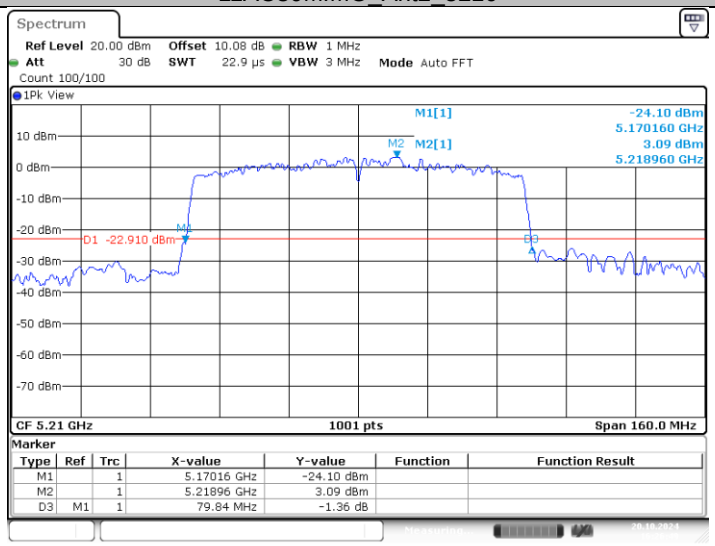

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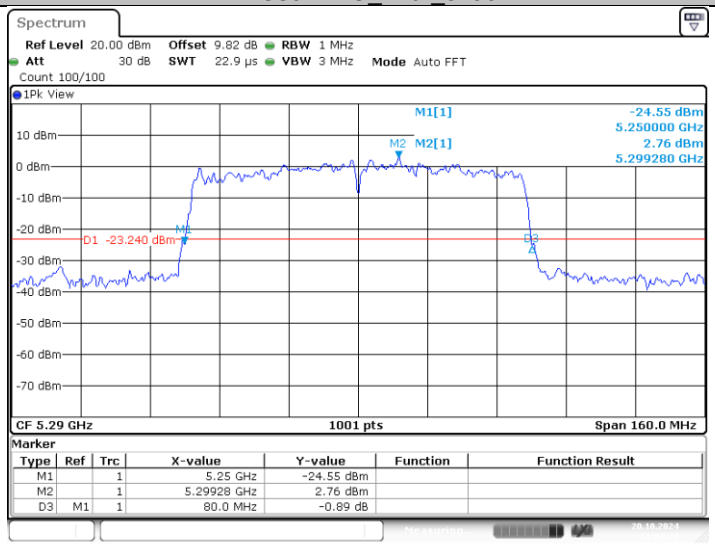

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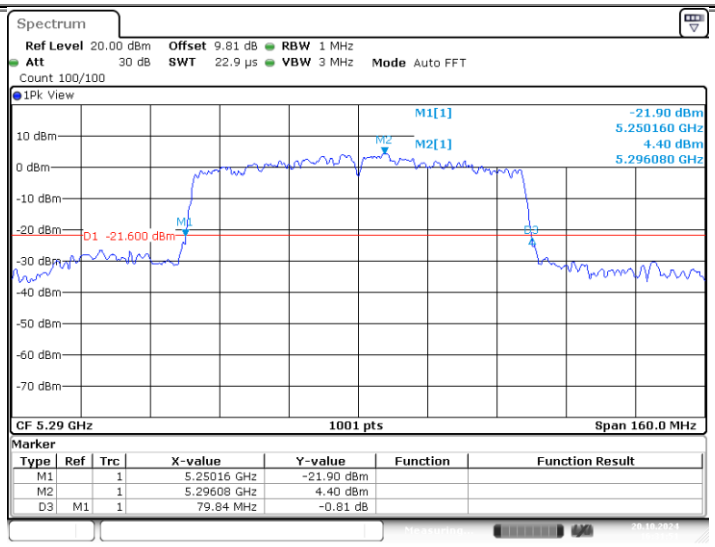

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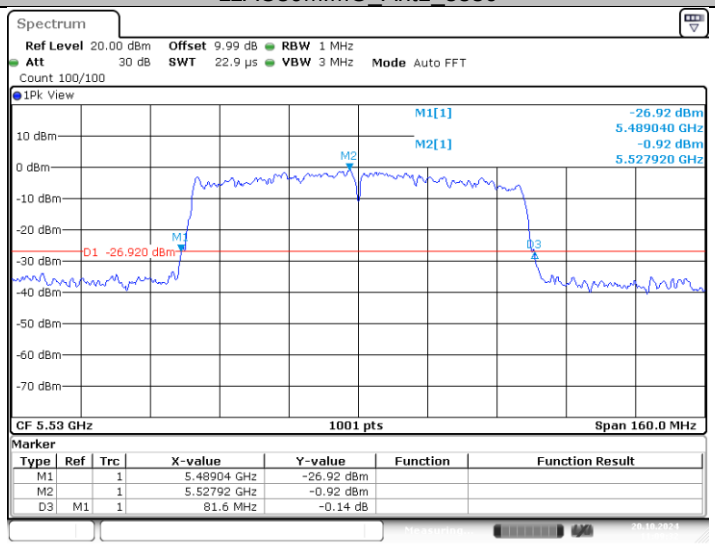

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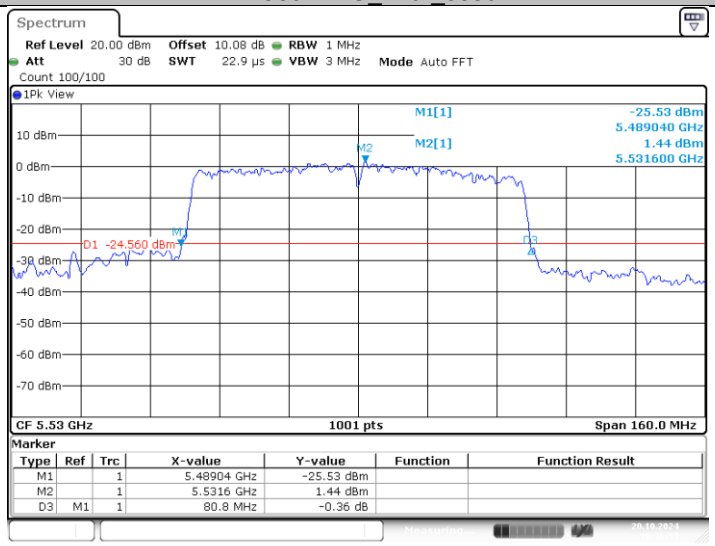

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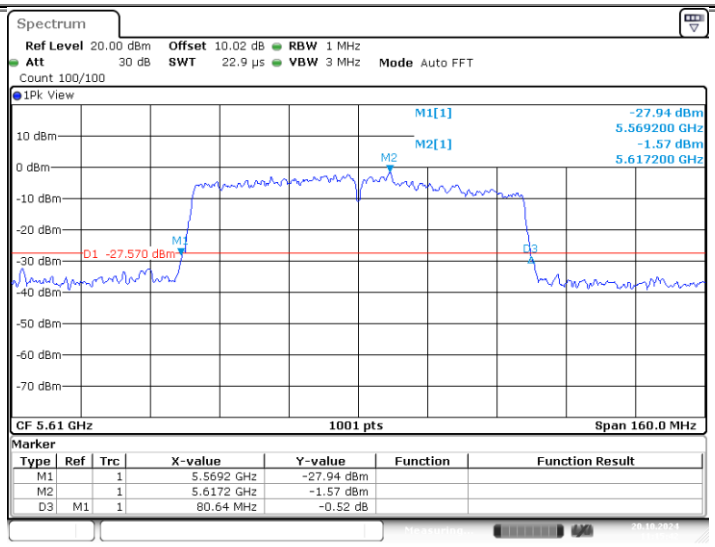

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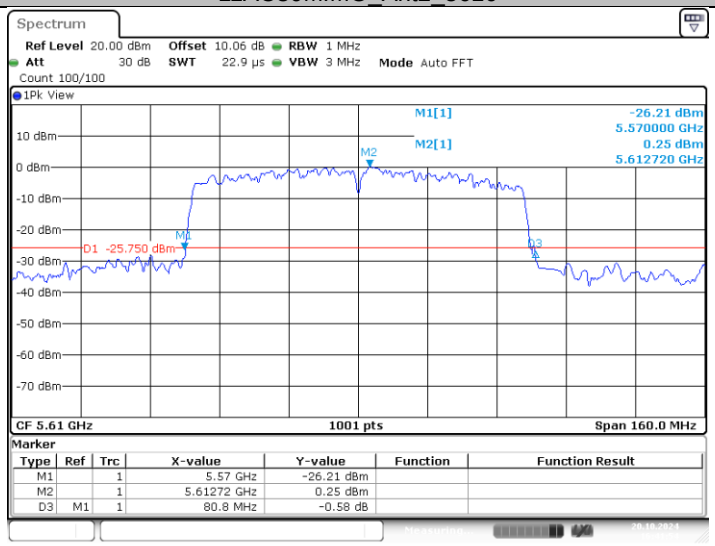

Date: 20.OCT.2024 16:41:54

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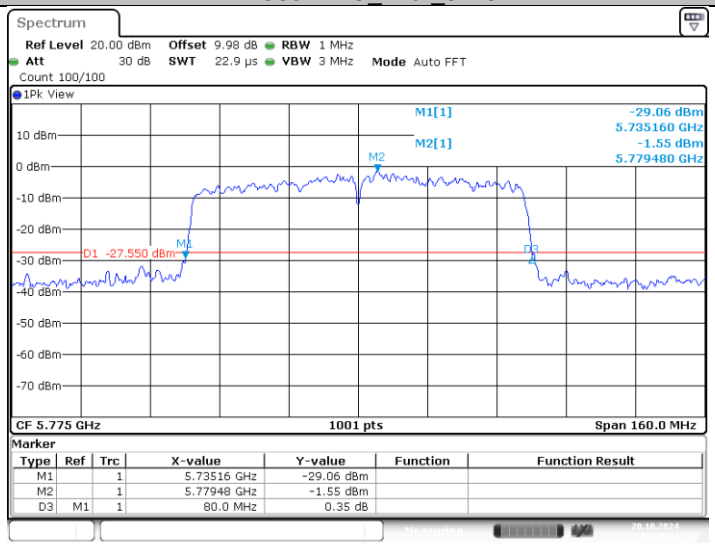

Date: 20.OCT.2024 11:20:52

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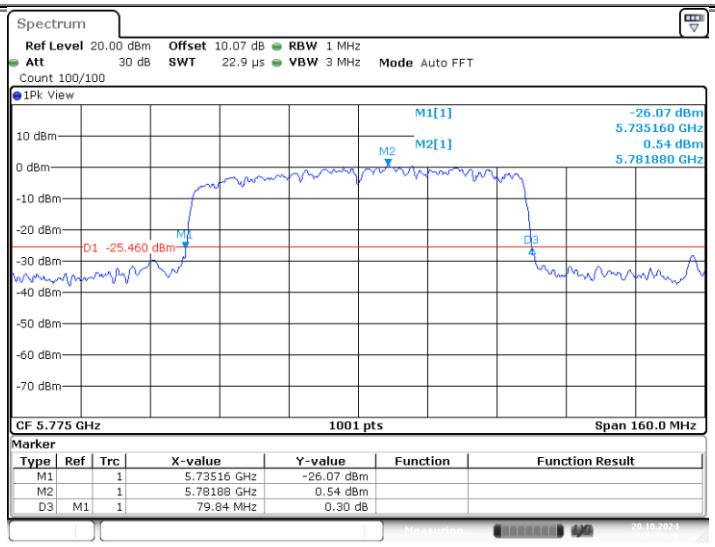

Spectrum
Ref Level 20.00 dBm Offset 10.07 dB RBW 1 MHz
Att 30 dB SWT 22.9 µs VBW 3 MHz Mode Auto FFT
Count 100/100
1Pk View
M1[1] -26.07 dBm
5.735160 GHz
M2[1] 0.54 dBm
5.781880 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
M1
M2
D1 -25.460 dBm
D3
CF 5.775 GHz
1001 pts
Span 160.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 5.73516 GHz -26.07 dBm
M2 1 5.78188 GHz 0.54 dBm
D3 M1 1 79.84 MHz 0.30 dB
Date: 20.OCT.2024 16:47:16

APPENDIXF -MAXIMUM OUTPUT POWER

Test Mode	Antenna	Freq(MHz)	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]
11A	Ant1	5180	12.56	97.20	0.12	12.68	≤23.98
	Ant2	5180	11.43	97.90	0.09	11.52	≤23.98
	Ant1	5200	12.50	97.89	0.09	12.59	≤23.98
	Ant2	5200	11.80	97.20	0.12	11.92	≤23.98
	Ant1	5240	12.26	97.20	0.12	12.38	≤23.98
	Ant2	5240	11.70	97.20	0.12	11.82	≤23.98
	Ant1	5260	12.31	97.20	0.12	12.43	≤23.92
	Ant2	5260	11.65	97.90	0.09	11.74	≤23.95
	Ant1	5280	12.65	97.20	0.12	12.77	≤23.93
	Ant2	5280	12.17	97.18	0.12	12.29	≤23.98
	Ant1	5320	13.24	97.20	0.12	13.36	≤23.98
	Ant2	5320	12.63	97.20	0.12	12.75	≤23.94
	Ant1	5500	11.35	97.90	0.09	11.44	≤23.98
	Ant2	5500	10.61	97.20	0.12	10.73	≤23.94
	Ant1	5580	10.69	97.90	0.09	10.78	≤23.98
	Ant2	5580	8.72	97.90	0.09	8.81	≤23.98
	Ant1	5700	9.87	97.20	0.12	9.99	≤23.98
	Ant2	5700	8.74	97.20	0.12	8.86	≤23.98
	Ant1	5745	8.94	97.90	0.09	9.03	≤30.00
	Ant2	5745	7.75	97.89	0.09	7.84	≤30.00
	Ant1	5785	9.43	97.20	0.12	9.55	≤30.00
	Ant2	5785	9.13	97.90	0.09	9.22	≤30.00
	Ant1	5825	10.14	97.89	0.09	10.23	≤30.00
	Ant2	5825	9.82	97.90	0.09	9.91	≤30.00
11N20MIMO	Ant1	5180	12.84	97.74	0.10	12.94	≤23.98
	Ant2	5180	11.34	97.74	0.10	11.44	≤23.98
	total	5180	---	---	---	15.26	≤23.98
	Ant1	5200	12.74	96.27	0.17	12.91	≤23.98
	Ant2	5200	11.88	97.74	0.10	11.98	≤23.98
	total	5200	---	---	---	15.48	≤23.98
	Ant1	5240	12.46	97.74	0.10	12.56	≤23.98
	Ant2	5240	11.82	97.74	0.10	11.92	≤23.98
	total	5240	---	---	---	15.26	≤23.98
	Ant1	5260	12.44	97.01	0.13	12.57	≤23.98
	Ant2	5260	11.84	97.74	0.10	11.94	≤23.98
	total	5260	---	---	---	15.28	≤23.98
	Ant1	5300	13.17	97.01	0.13	13.30	≤23.98
	Ant2	5300	12.84	97.74	0.10	12.94	≤23.98
	total	5300	---	---	---	16.13	≤23.98
	Ant1	5320	13.39	97.74	0.10	13.49	≤23.98
	Ant2	5320	12.77	97.74	0.10	12.87	≤23.98
	total	5320	---	---	---	16.20	≤23.98
	Ant1	5500	11.45	97.74	0.10	11.55	≤23.98
	Ant2	5500	10.80	97.01	0.13	10.93	≤23.98
	total	5500	---	---	---	14.26	≤23.98
	Ant1	5600	10.31	97.76	0.10	10.41	≤23.98
	Ant2	5600	9.18	97.74	0.10	9.28	≤23.98
	total	5600	---	---	---	12.89	≤23.98
	Ant1	5700	9.95	96.99	0.13	10.08	≤23.98
	Ant2	5700	9.32	97.01	0.13	9.45	≤23.98
	total	5700	---	---	---	12.79	≤23.98
	Ant1	5745	8.91	97.01	0.13	9.04	≤30.00
	Ant2	5745	8.64	96.27	0.17	8.81	≤30.00
	total	5745	---	---	---	11.94	≤30.00
	Ant1	5785	9.33	96.99	0.13	9.46	≤30.00
	Ant2	5785	9.69	97.74	0.10	9.79	≤30.00
	total	5785	---	---	---	12.64	≤30.00
	Ant1	5825	10.07	97.01	0.13	10.20	≤30.00
	Ant2	5825	10.20	97.01	0.13	10.33	≤30.00
	total	5825	---	---	---	**13.28**	≤30.00

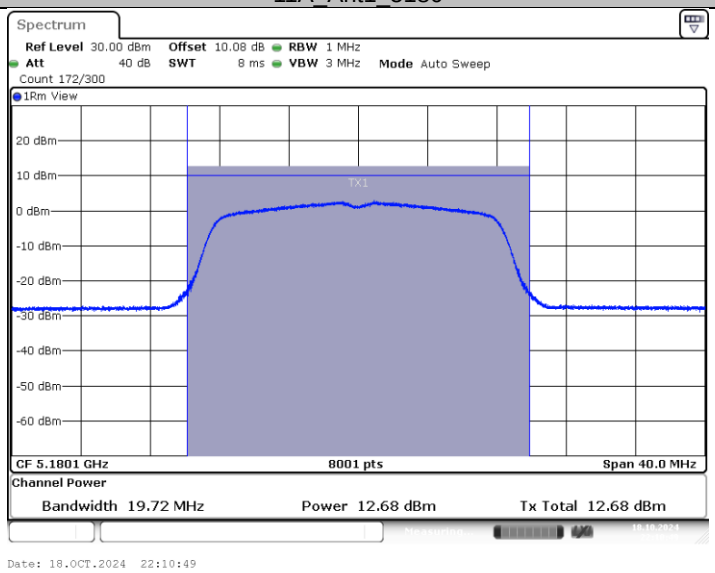
	11N40MIMO	Ant1	5190	12.80	95.59	0.20	13.00	≤23.98
		Ant2	5190	12.30	94.12	0.26	12.56	≤23.98
		total	5190	---	---	---	**15.80**	≤23.98
		Ant1	5230	12.55	94.20	0.26	12.81	≤23.98
		Ant2	5230	12.34	94.12	0.26	12.60	≤23.98
		total	5230	---	---	---	15.72	≤23.98
		Ant1	5270	13.02	94.20	0.26	13.28	≤23.98
		Ant2	5270	11.81	95.59	0.20	12.01	≤23.98
		total	5270	---	---	---	15.70	≤23.98
		Ant1	5310	13.02	95.59	0.20	13.22	≤23.98
		Ant2	5310	13.10	94.20	0.26	13.36	≤23.98
		total	5310	---	---	---	**16.30**	≤23.98
		Ant1	5510	11.53	95.59	0.20	11.73	≤23.98
		Ant2	5510	11.15	94.20	0.26	11.41	≤23.98
		total	5510	---	---	---	**14.58**	≤23.98
		Ant1	5590	10.82	95.59	0.20	11.02	≤23.98
		Ant2	5590	9.63	95.59	0.20	9.83	≤23.98
		total	5590	---	---	---	13.48	≤23.98
		Ant1	5670	10.02	94.20	0.26	10.28	≤23.98
		Ant2	5670	8.79	94.12	0.26	9.05	≤23.98
		total	5670	---	---	---	12.72	≤23.98
		Ant1	5755	9.08	94.20	0.26	9.34	≤30.00
		Ant2	5755	9.18	94.20	0.26	9.44	≤30.00
		total	5755	---	---	---	12.40	≤30.00
		Ant1	5795	9.81	95.59	0.20	10.01	≤30.00
		Ant2	5795	10.18	94.20	0.26	10.44	≤30.00
		total	5795	---	---	---	13.24	≤30.00
	11AC20MIMO	Ant1	5180	12.54	97.04	0.13	12.67	≤23.98
		Ant2	5180	11.94	96.30	0.16	12.10	≤23.98
		total	5180	---	---	---	15.40	≤23.98
		Ant1	5200	12.85	97.78	0.10	12.95	≤23.98
		Ant2	5200	10.53	85.00	0.71	11.24	≤23.98
		total	5200	---	---	---	15.19	≤23.98
		Ant1	5240	12.46	97.04	0.13	12.59	≤23.98
		Ant2	5240	10.36	80.95	0.92	11.28	≤23.98
		total	5240	---	---	---	14.99	≤23.98
		Ant1	5260	12.45	97.04	0.13	12.58	≤23.98
		Ant2	5260	10.27	85.00	0.71	10.98	≤23.98
		total	5260	---	---	---	14.86	≤23.98
		Ant1	5300	13.18	97.04	0.13	13.31	≤23.98
		Ant2	5300	11.17	80.95	0.92	12.09	≤23.98
		total	5300	---	---	---	15.75	≤23.98
		Ant1	5320	13.27	97.04	0.13	13.40	≤23.98
		Ant2	5320	11.02	80.95	0.92	11.94	≤23.97
		total	5320	---	---	---	15.74	≤23.98
		Ant1	5500	11.32	97.76	0.10	11.42	≤23.98
		Ant2	5500	9.32	80.95	0.92	10.24	≤23.98
		total	5500	---	---	---	13.88	≤23.98
		Ant1	5600	9.93	97.78	0.10	10.03	≤23.98
		Ant2	5600	6.91	80.00	0.97	7.88	≤23.96
		total	5600	---	---	---	12.10	≤23.98
		Ant1	5700	9.60	96.32	0.16	9.76	≤23.98
		Ant2	5700	7.02	80.95	0.92	7.94	≤23.98
		total	5700	---	---	---	11.95	≤23.98
		Ant1	5745	7.85	97.04	0.13	7.98	≤30.00
		Ant2	5745	8.29	97.78	0.10	8.39	≤30.00
		total	5745	---	---	---	11.20	≤30.00
		Ant1	5785	8.23	97.04	0.13	8.36	≤30.00
		Ant2	5785	9.40	97.04	0.13	9.53	≤30.00
		total	5785	---	---	---	11.99	≤30.00
		Ant1	5825	9.00	97.04	0.13	9.13	≤30.00
		Ant2	5825	9.95	97.76	0.10	10.05	≤30.00
		total	5825	---	---	---	12.62	≤30.00
	11AC40MIMO	Ant1	5190	7.81	71.43	1.46	9.27	≤23.98
		Ant2	5190	11.97	95.59	0.20	12.17	≤23.98
		total	5190	---	---	---	13.97	≤23.98
		Ant1	5230	7.62	71.43	1.46	9.08	≤23.98

	Ant2	5230	12.20	95.59	0.20	12.40	≤23.98
	total	5230	---	---	---	14.06	≤23.98
	Ant1	5270	8.39	78.57	1.05	9.44	≤23.98
	Ant2	5270	12.14	95.65	0.19	12.33	≤23.98
	total	5270	---	---	---	14.13	≤23.98
	Ant1	5310	9.03	71.43	1.46	10.49	≤23.98
	Ant2	5310	12.97	94.20	0.26	13.23	≤23.98
	total	5310	---	---	---	15.08	≤23.98
	Ant1	5510	6.94	71.43	1.46	8.40	≤23.98
	Ant2	5510	10.99	95.65	0.19	11.18	≤23.98
	total	5510	---	---	---	13.02	≤23.98
	Ant1	5590	6.17	71.43	1.46	7.63	≤23.98
	Ant2	5590	9.48	94.20	0.26	9.74	≤23.98
	total	5590	---	---	---	11.82	≤23.98
	Ant1	5670	5.68	71.43	1.46	7.14	≤23.98
	Ant2	5670	8.67	94.20	0.26	8.93	≤23.98
	total	5670	---	---	---	11.14	≤23.98
	Ant1	5755	5.41	71.43	1.46	6.87	≤30.00
	Ant2	5755	9.01	94.20	0.26	9.27	≤30.00
	total	5755	---	---	---	11.24	≤30.00
	Ant1	5795	6.32	71.43	1.46	7.78	≤30.00
	Ant2	5795	10.05	95.59	0.20	10.25	≤30.00
	total	5795	---	---	---	12.20	≤30.00
11AC80MIMO	Ant1	5210	8.27	53.85	2.69	10.96	≤23.98
	Ant2	5210	12.13	88.89	0.51	12.64	≤23.98
	total	5210	---	---	---	14.89	≤23.98
	Ant1	5290	8.96	40.00	3.98	12.94	≤23.98
	Ant2	5290	12.50	88.89	0.51	13.01	≤23.98
	total	5290	---	---	---	15.99	≤23.98
	Ant1	5530	6.51	58.33	2.34	8.85	≤23.98
	Ant2	5530	10.36	88.89	0.51	10.87	≤23.98
	total	5530	---	---	---	12.99	≤23.98
	Ant1	5610	5.15	63.64	1.96	7.11	≤23.98
	Ant2	5610	8.95	88.89	0.51	9.46	≤23.98
	total	5610	---	---	---	11.45	≤23.98
	Ant1	5775	5.22	70.00	1.55	6.77	≤30.00
	Ant2	5775	9.51	88.89	0.51	10.02	≤30.00
	total	5775	---	---	---	11.70	≤30.00

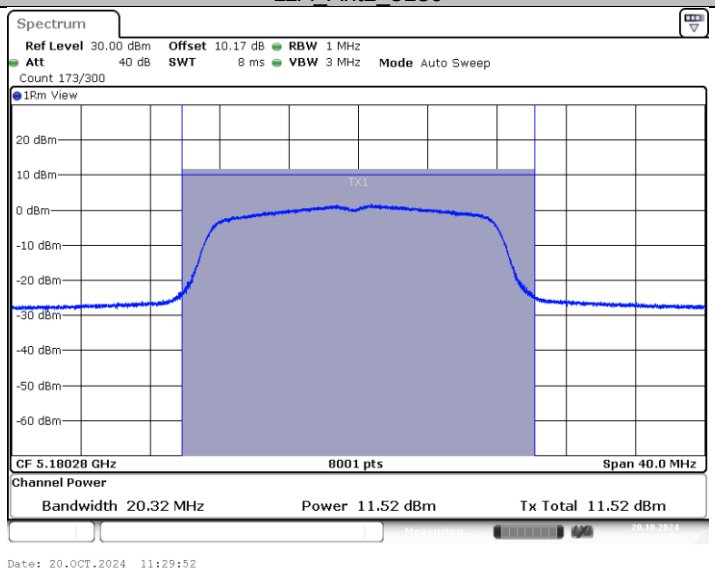
The measure-and-sum technique shall be used for measuring in-band transmit power of a device. Total power is the sum of the conducted power levels measured at the various output ports.
(First measure the power (mW) of each antenna separately, and the total power is equal to Ant1mW + Ant2mW+….)

The Duty Cycle Factor is compensated in the graph.

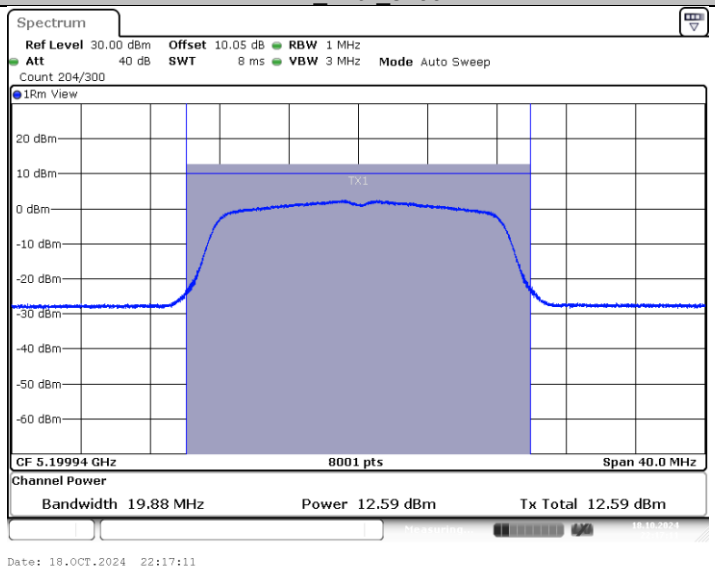
11A_Ant1_5180



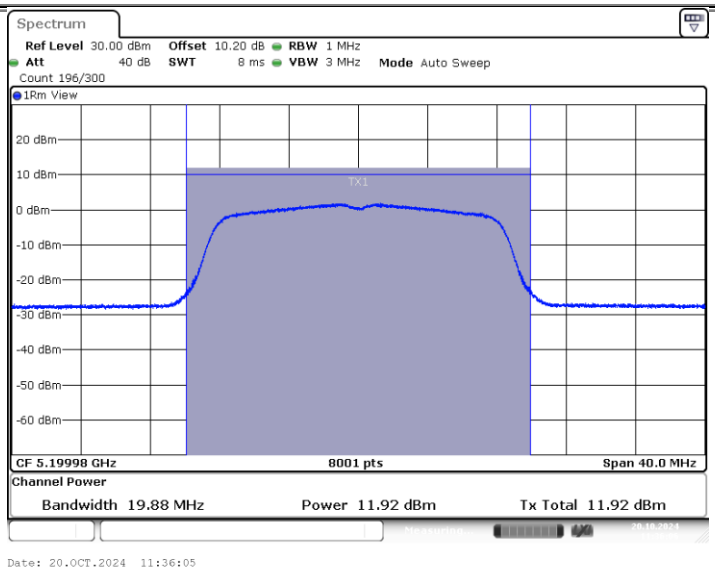
11A_Ant2_5180



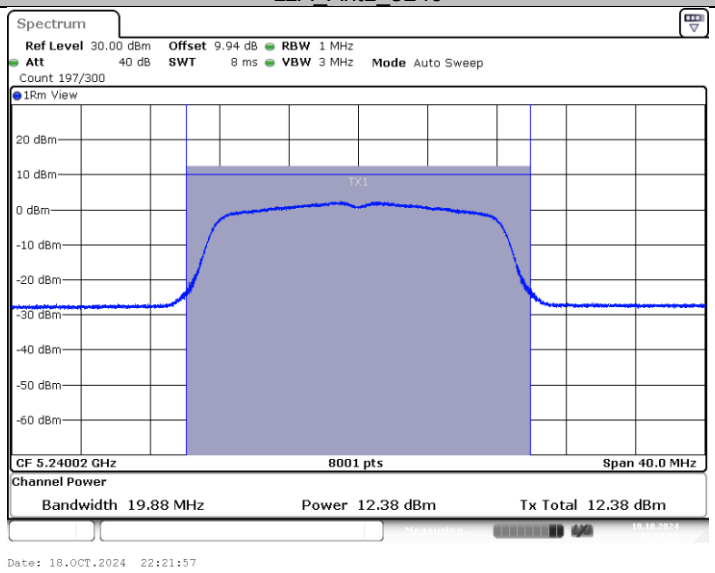
11A_Ant1_5200



11A_Ant2_5200



11A_Ant1_5240



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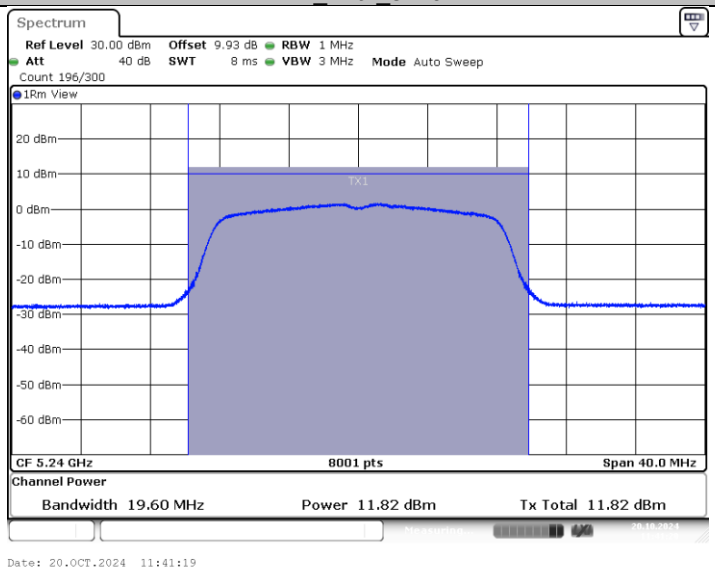
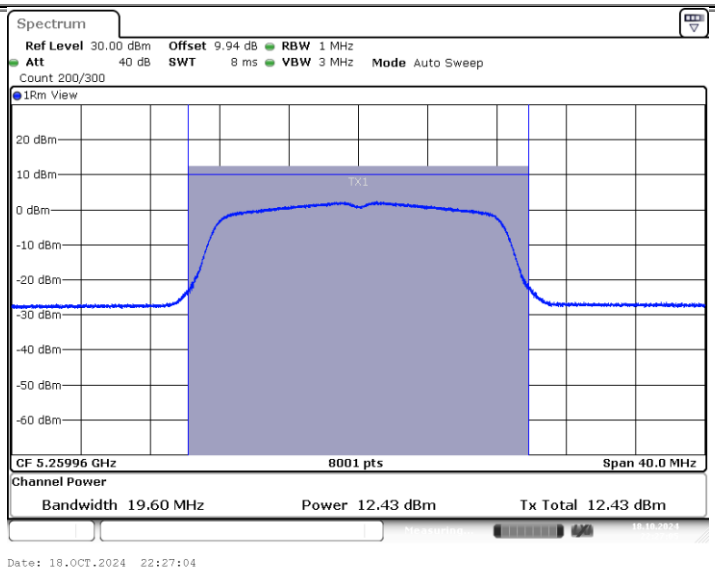


11A_Ant1_5260



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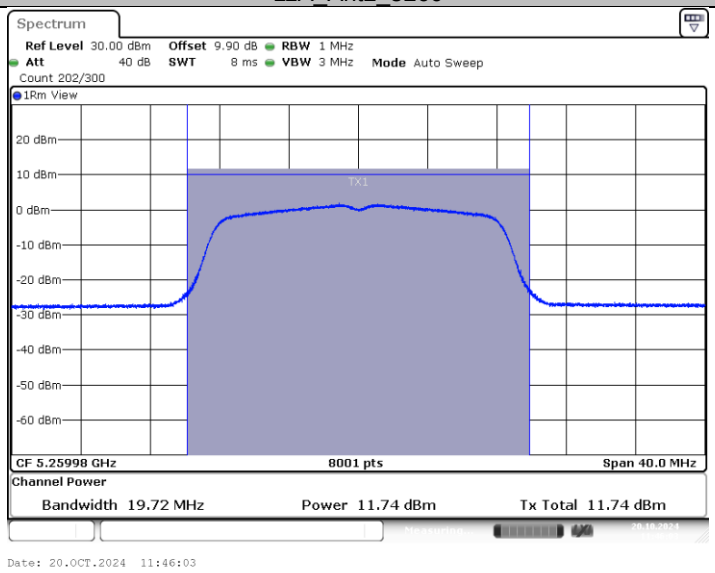

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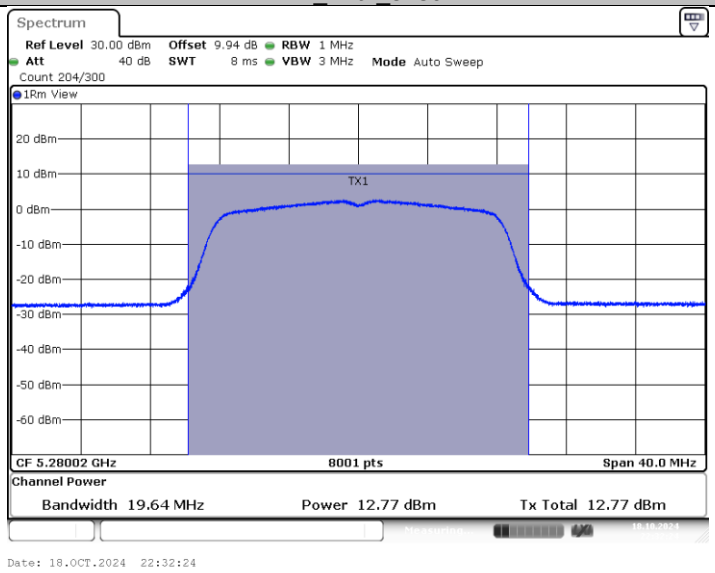
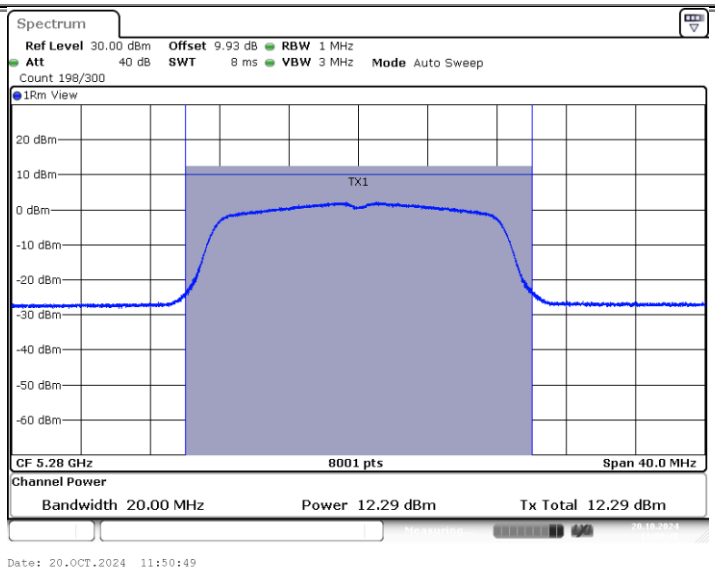
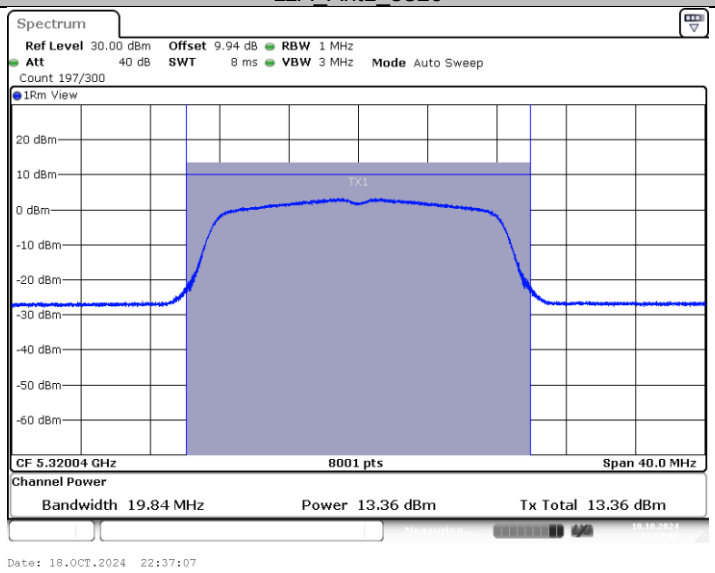


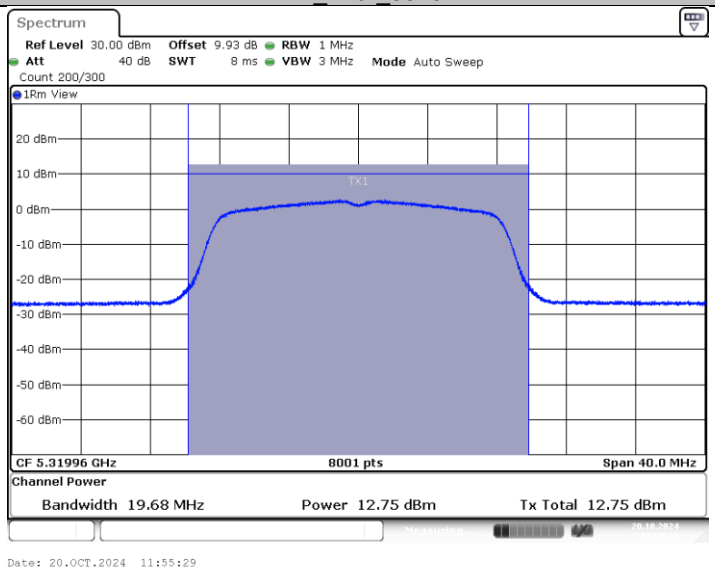
11A_Ant2_5280



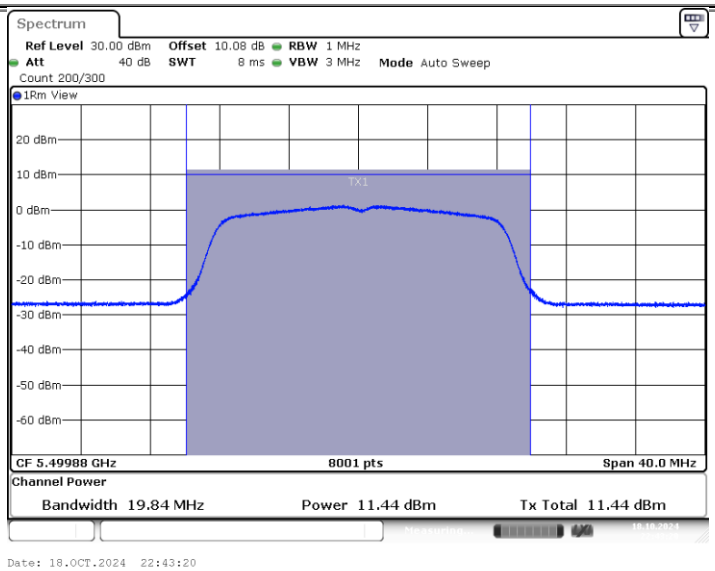
11A_Ant1_5320



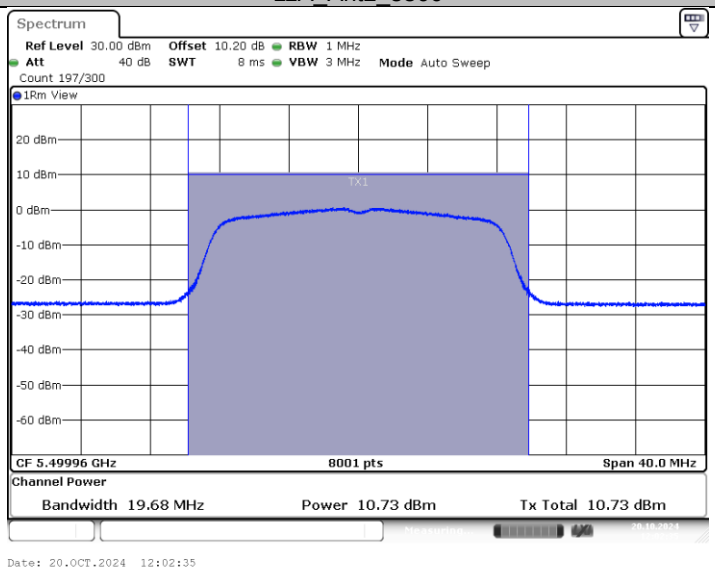
11A_Ant2_5320



11A_Ant1_5500



11A_Ant2_5500



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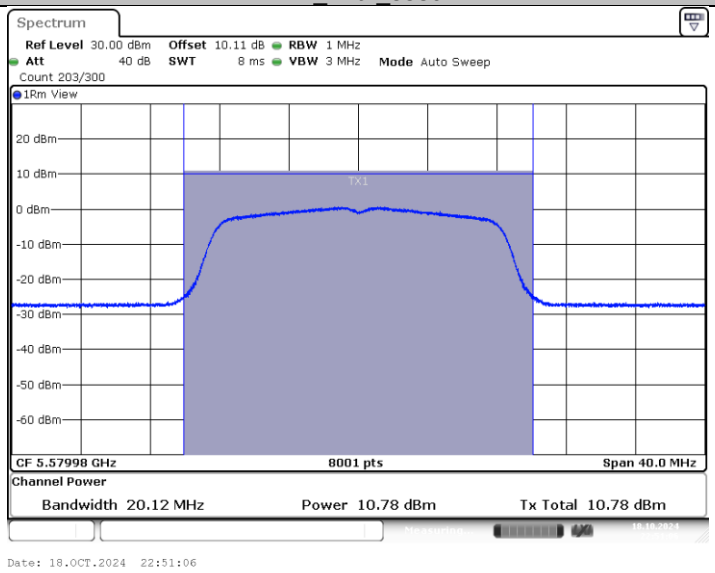

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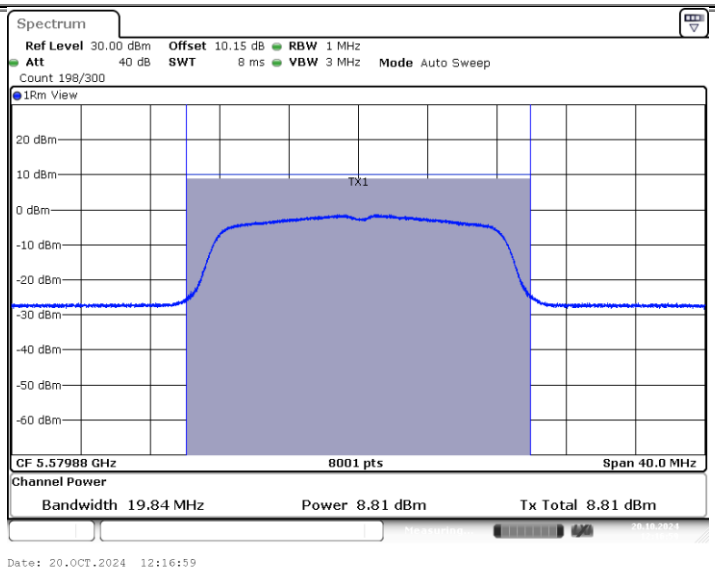
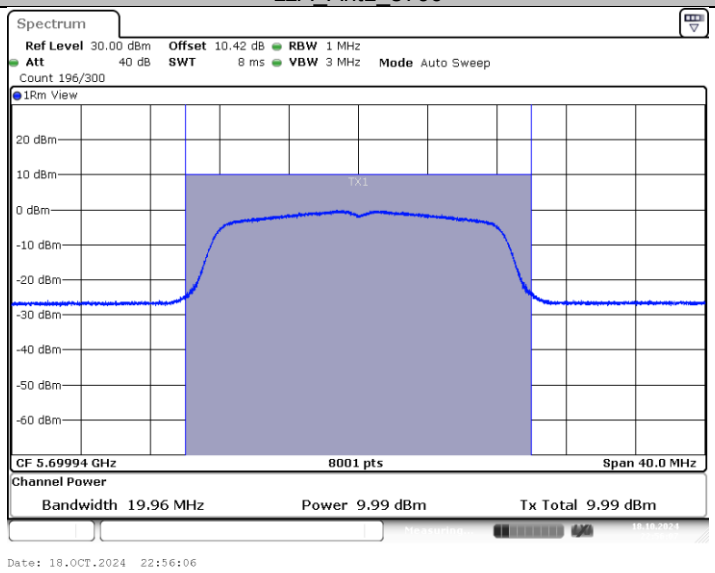
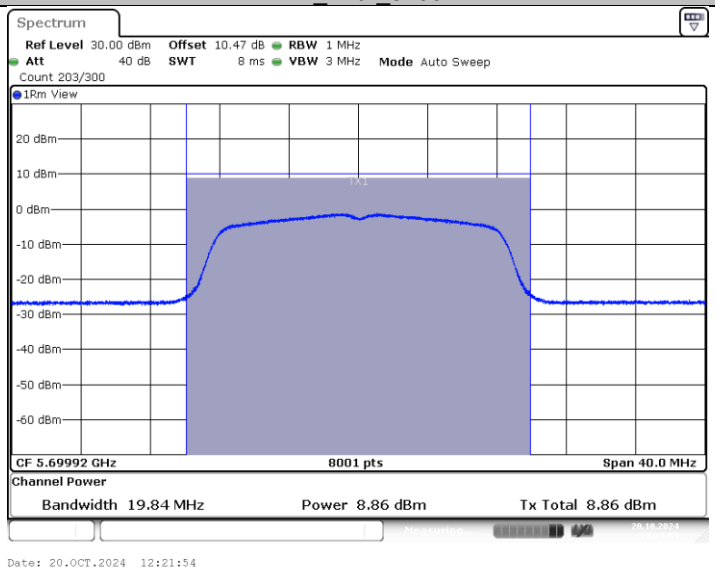


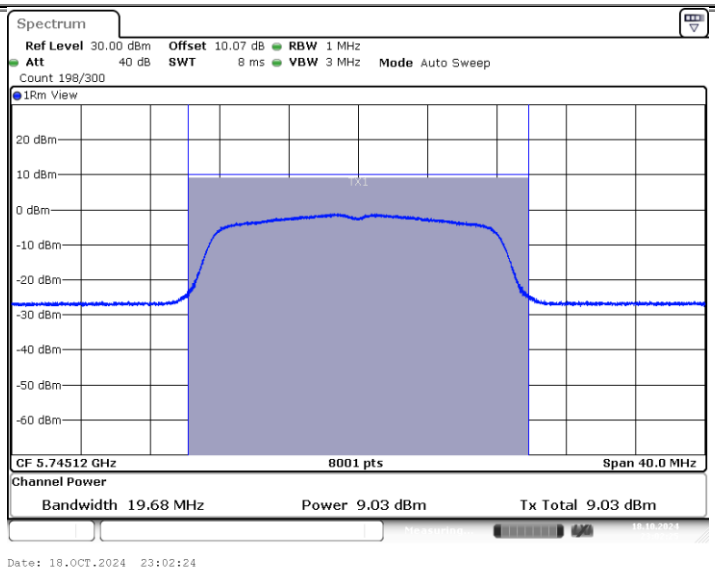
11A_Ant1_5700



11A_Ant2_5700



11A_Ant1_5745



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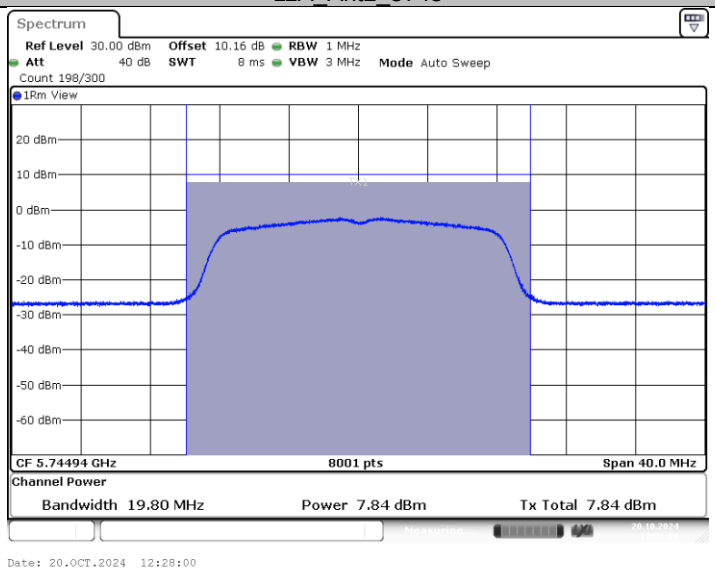

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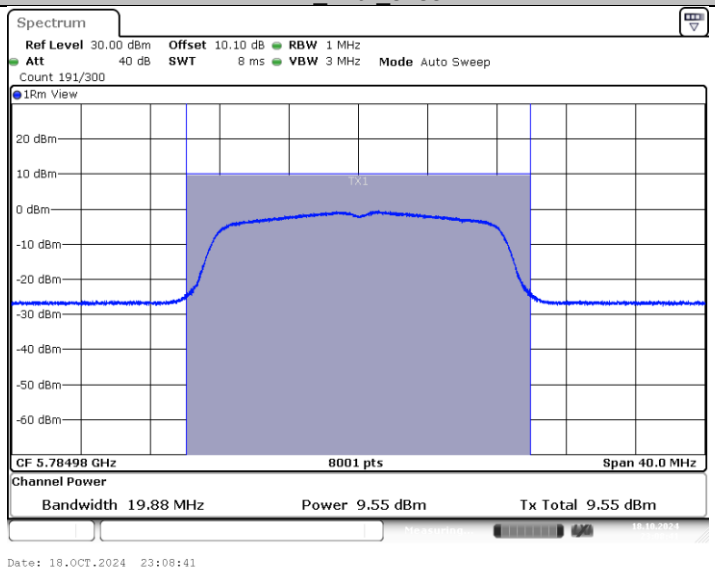

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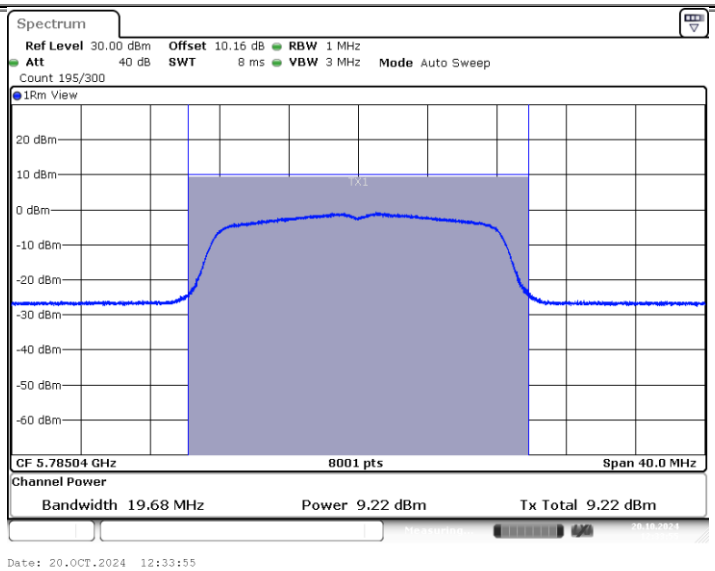
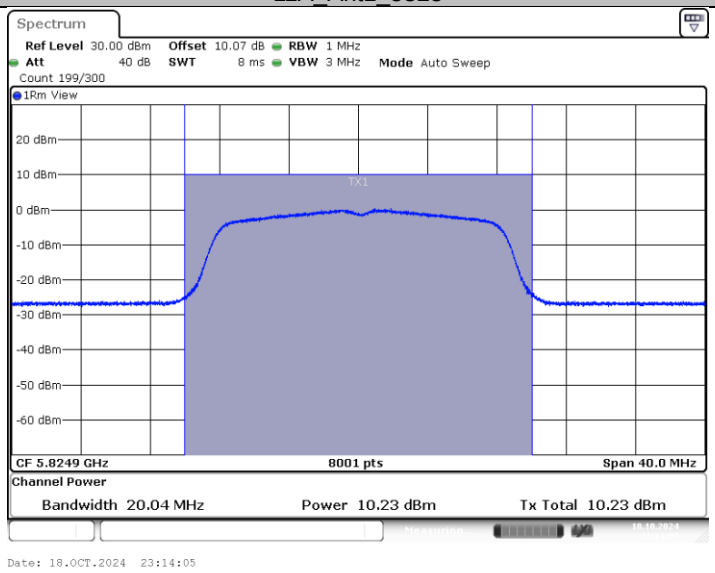
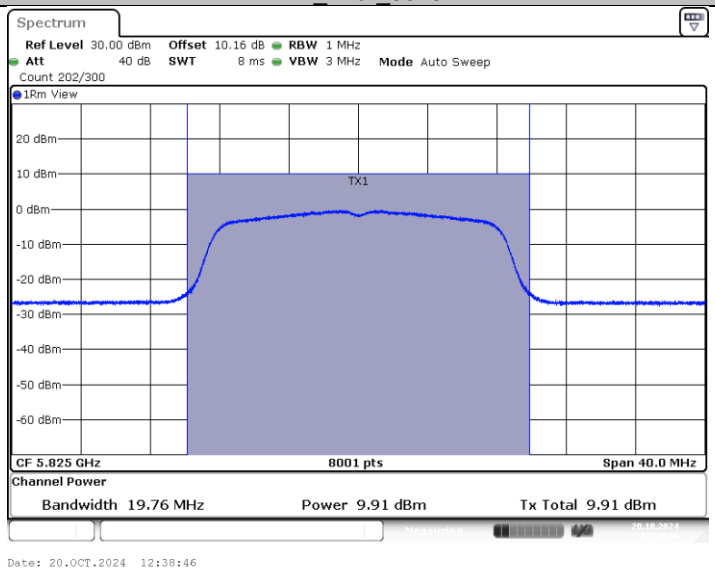


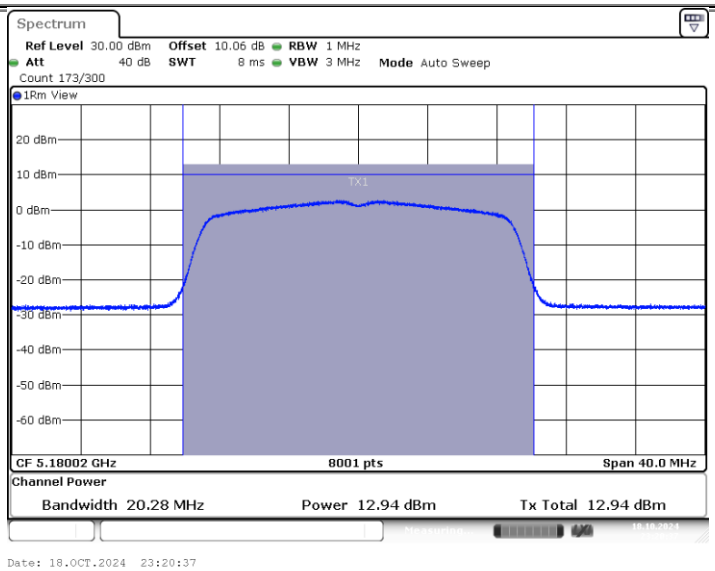
11A_Ant1_5825



11A_Ant2_5825



11N20MIMO_Ant1_5180



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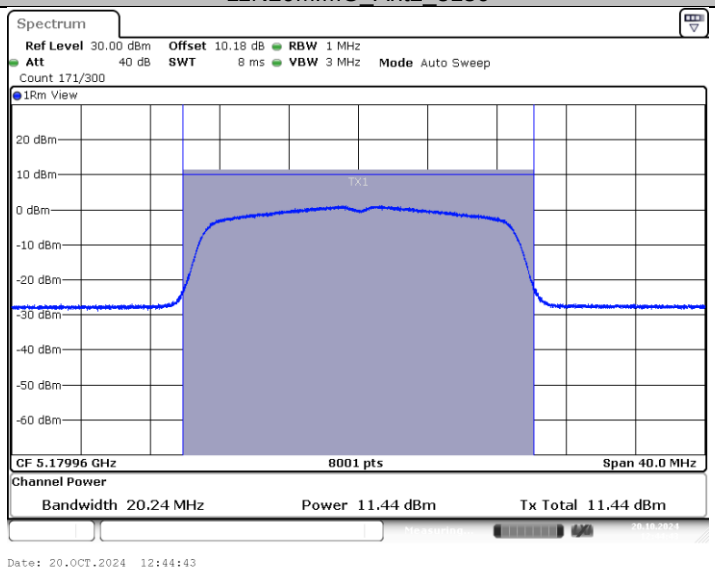

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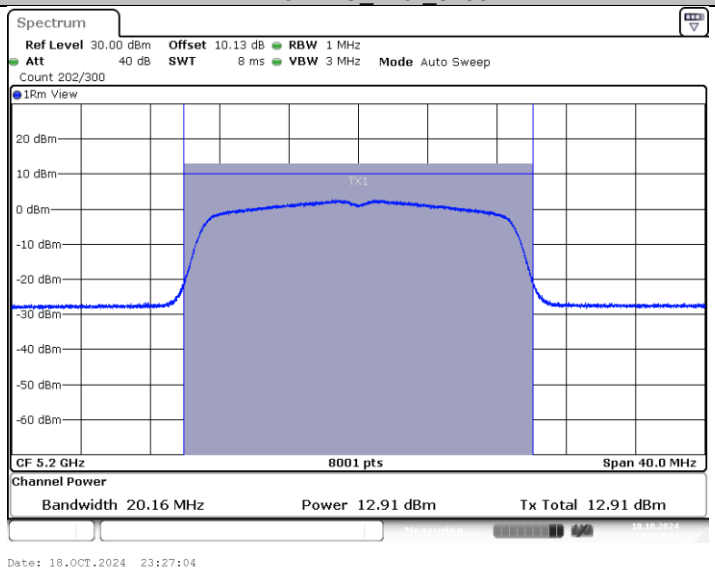

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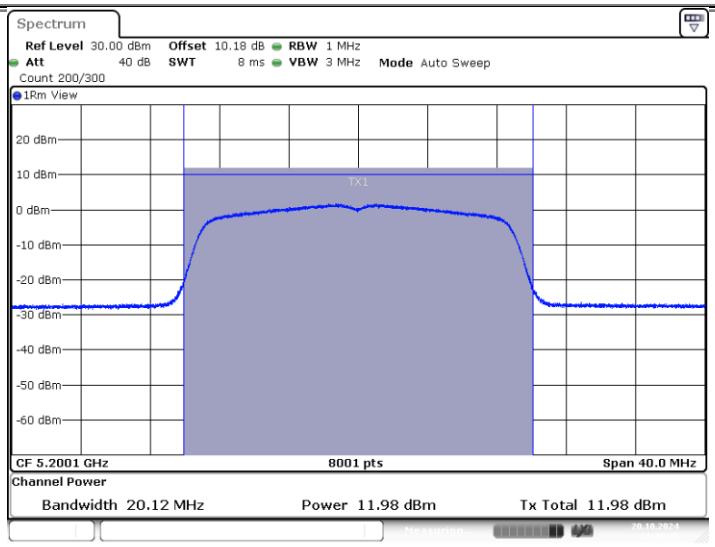

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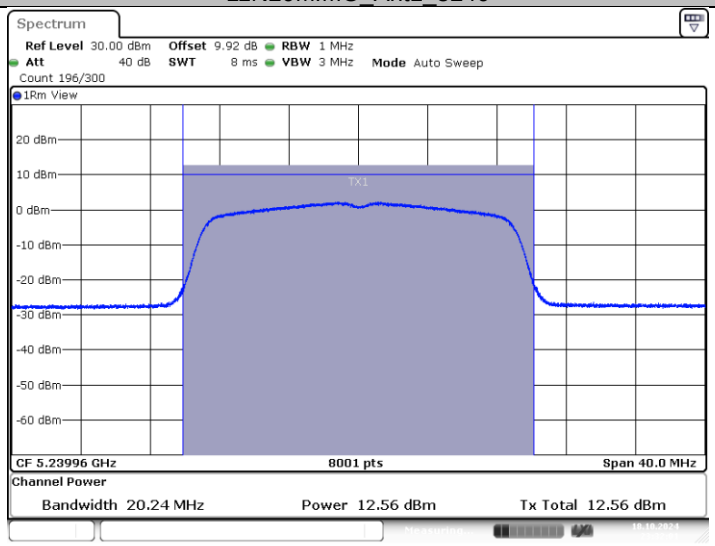

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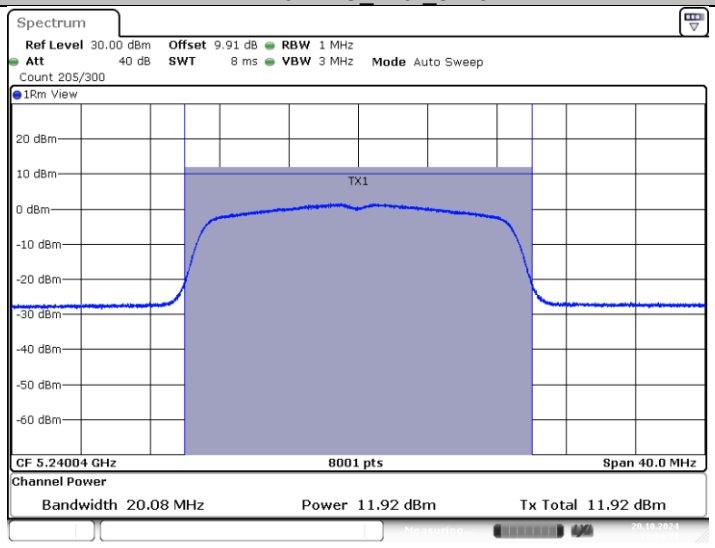

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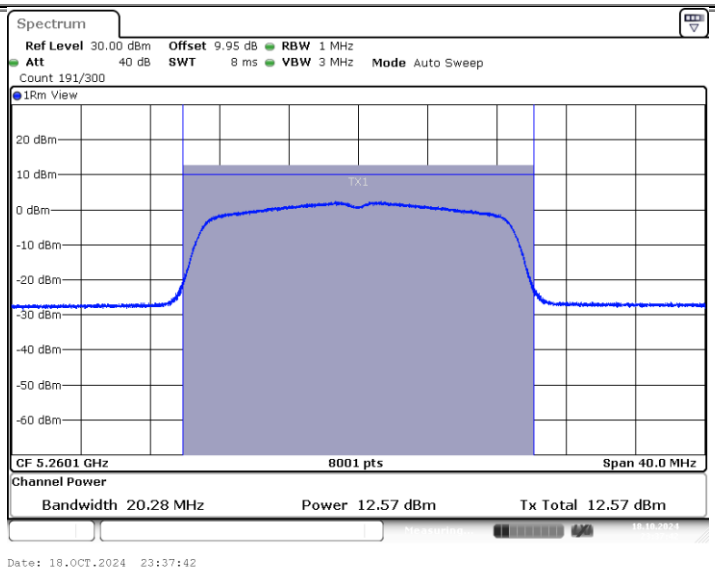

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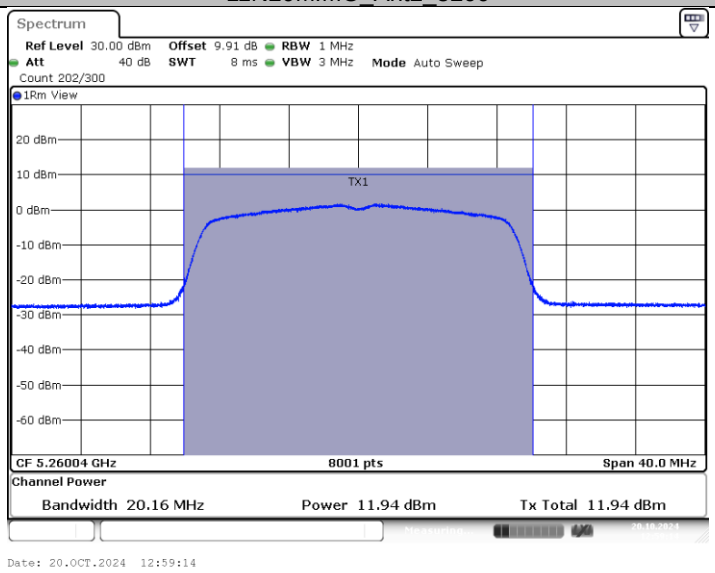

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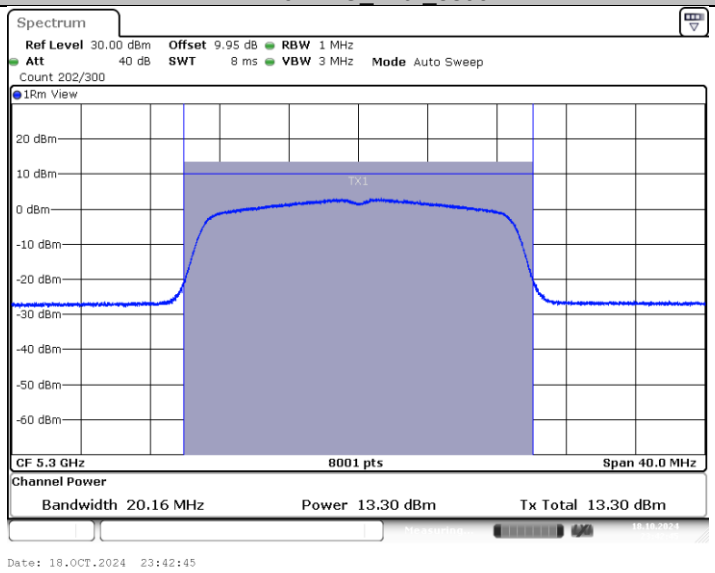
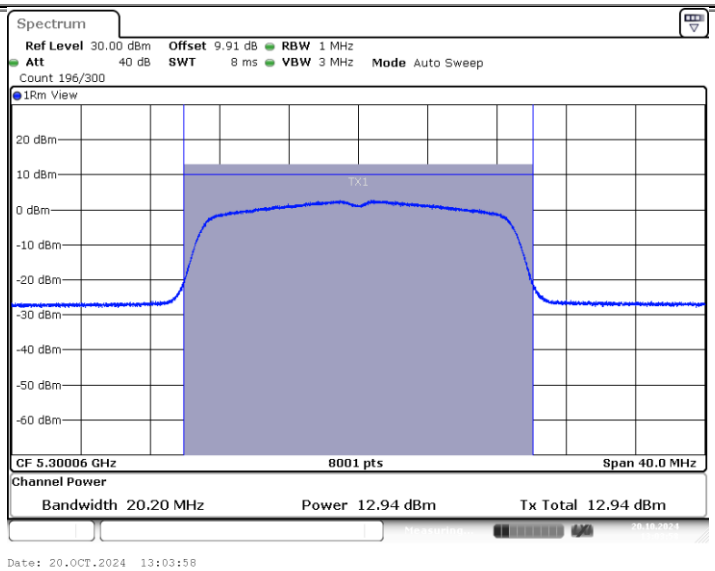


11N20MIMO_Ant2_5300



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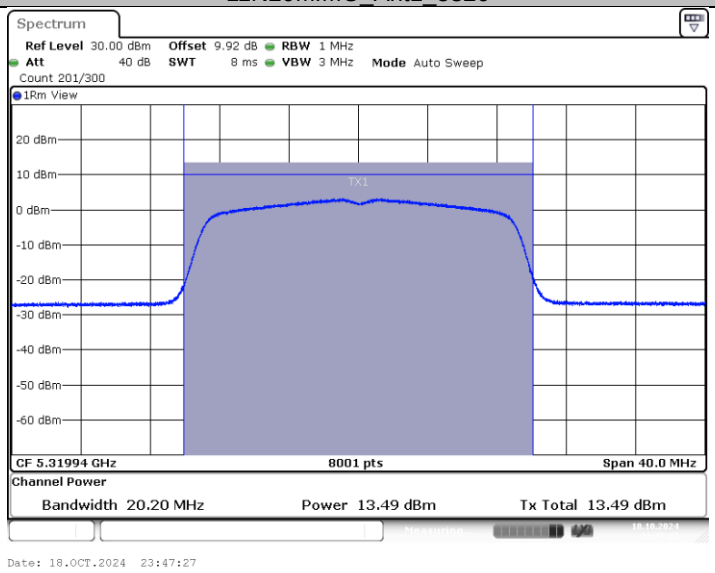

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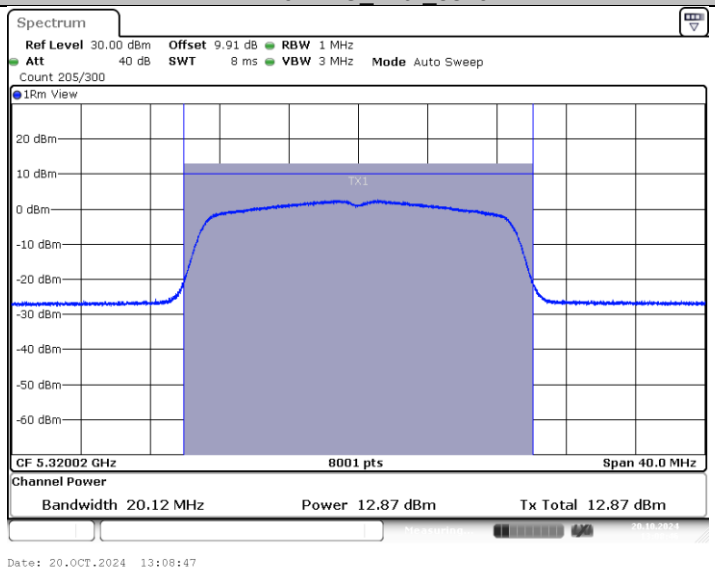

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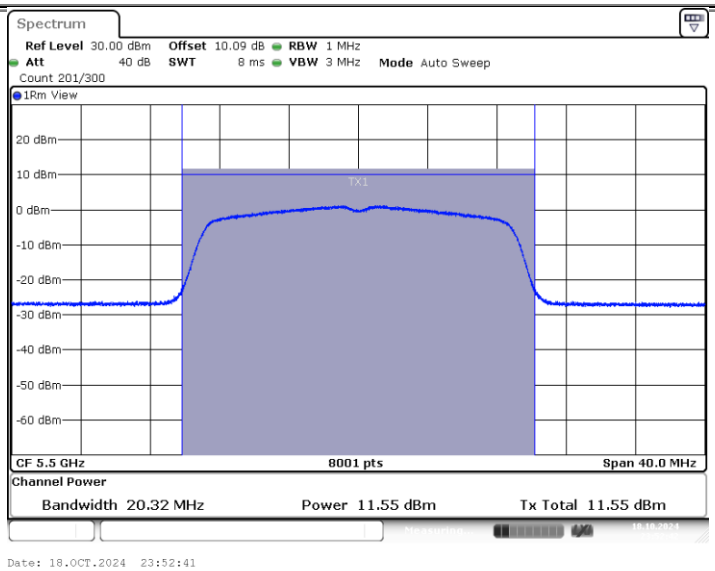

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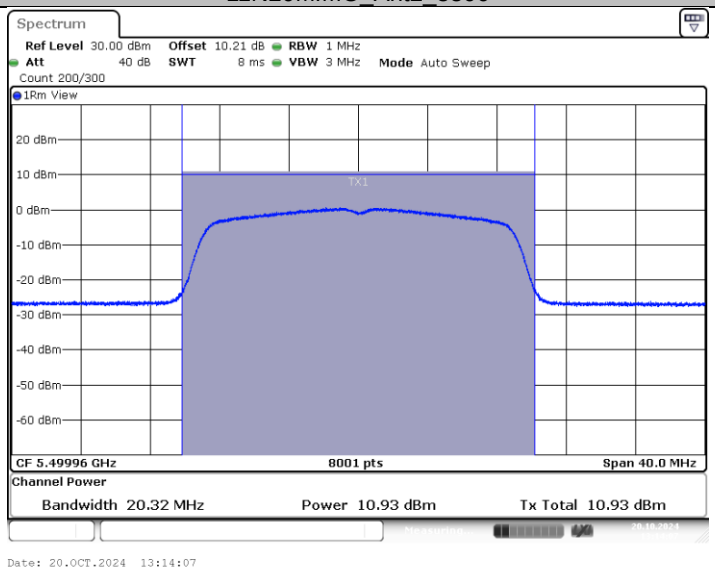

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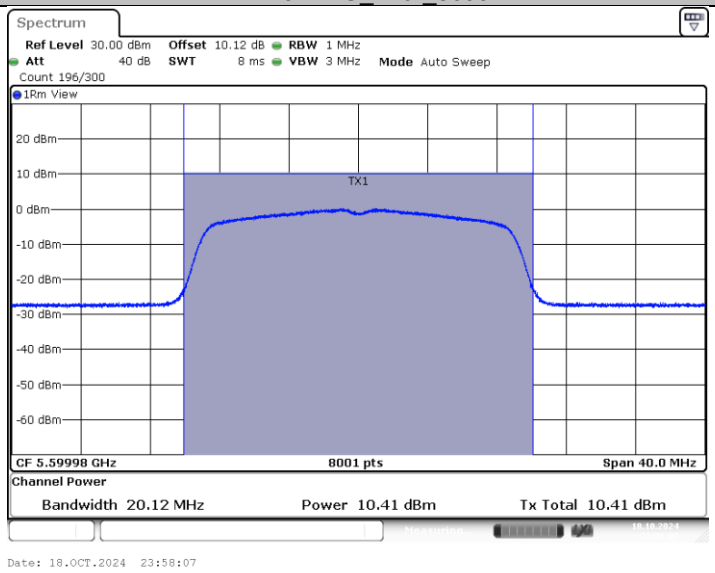

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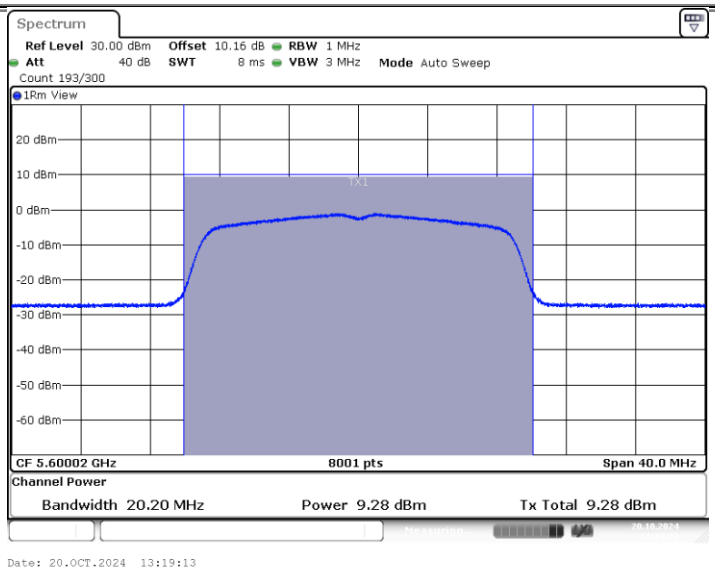

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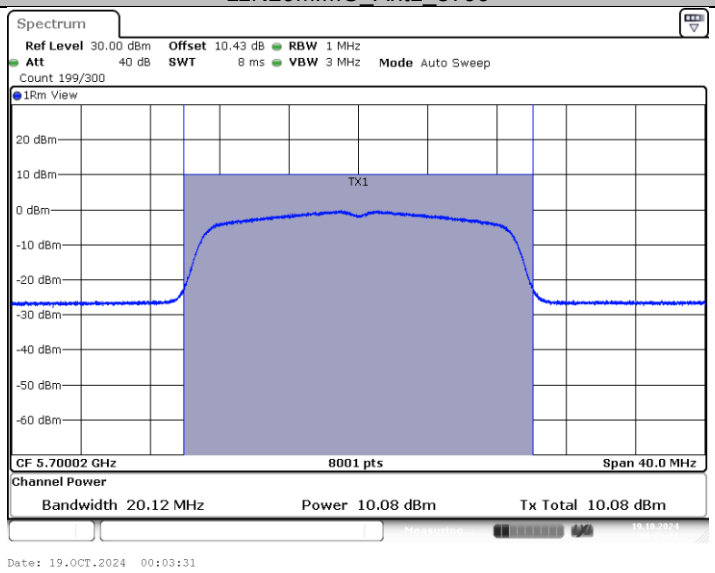

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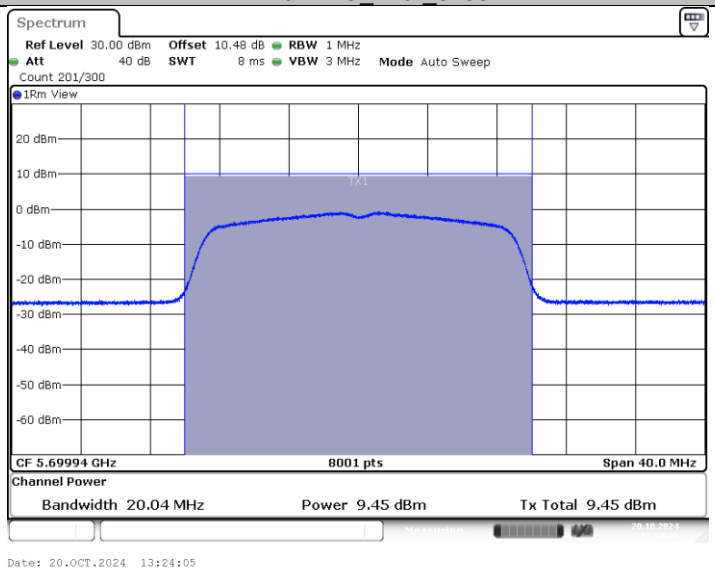

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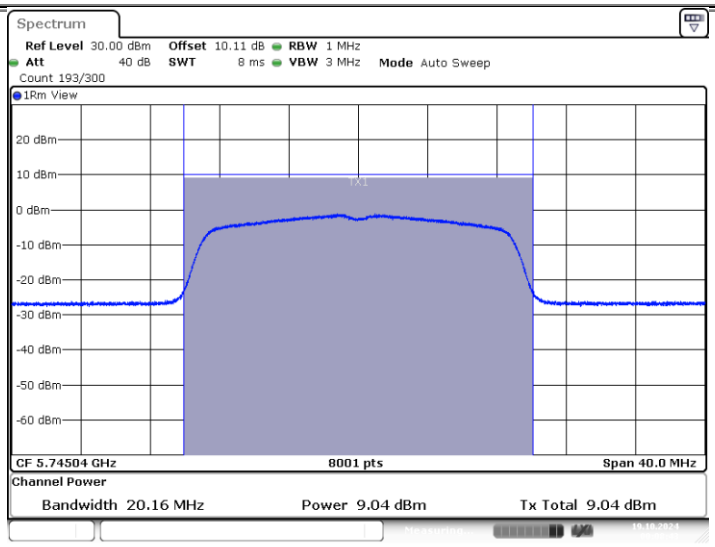

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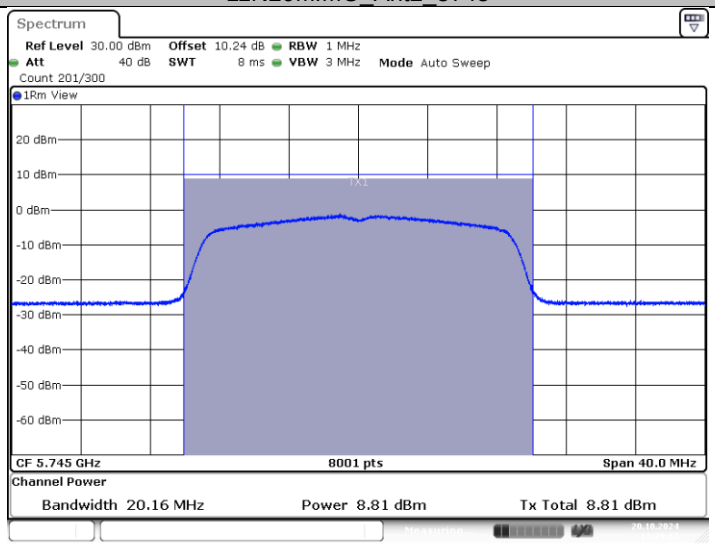

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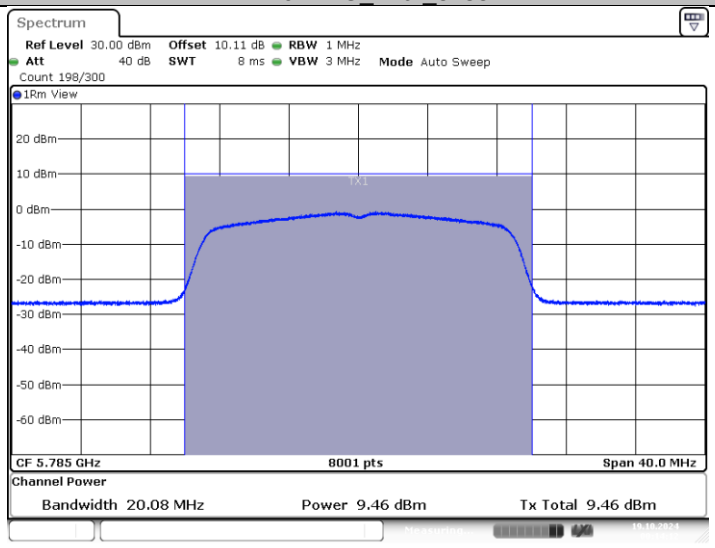

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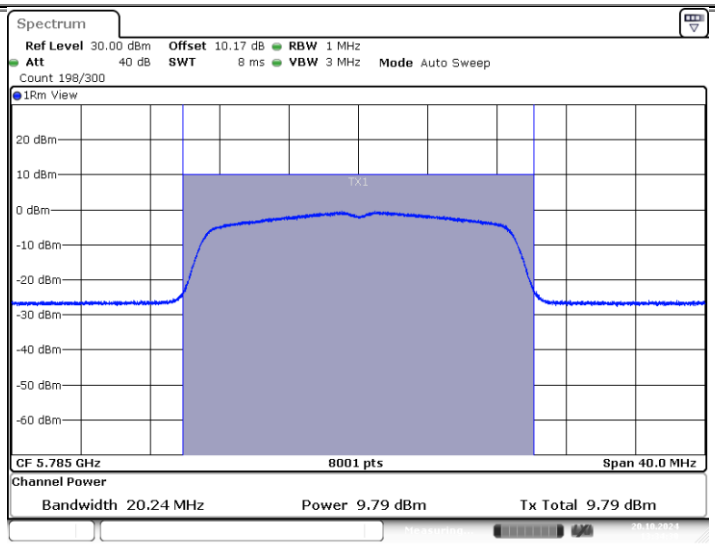

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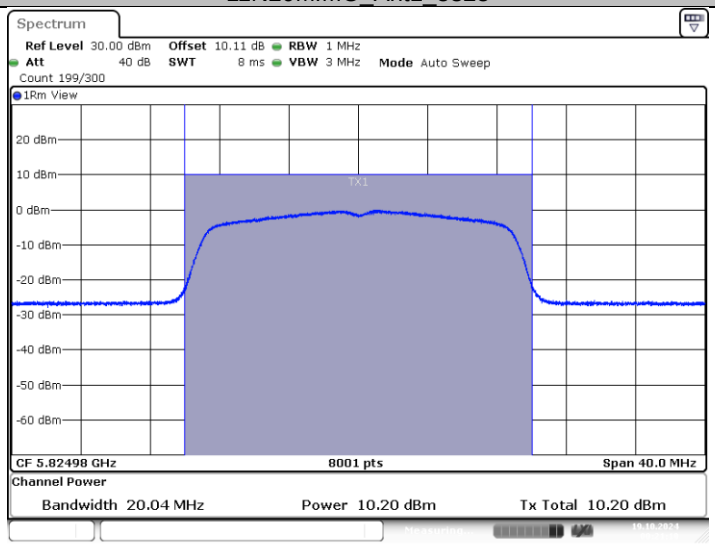

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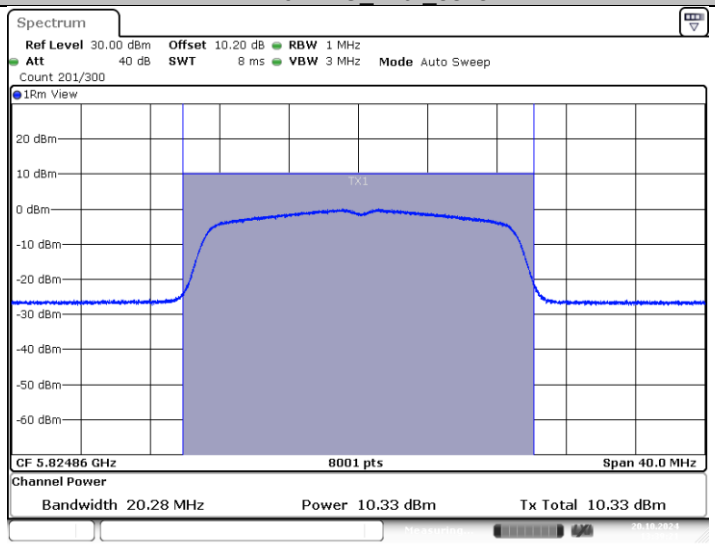

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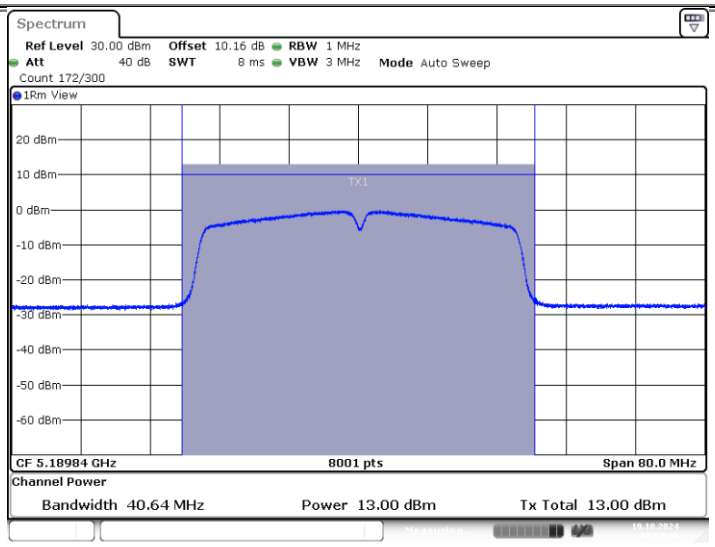

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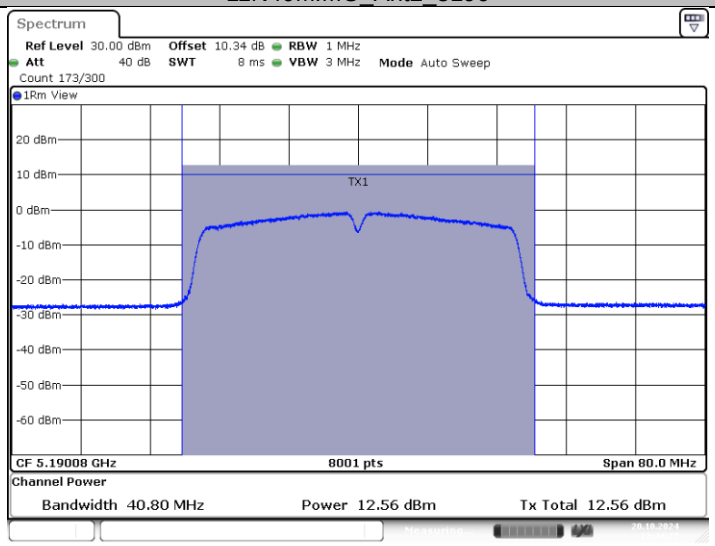

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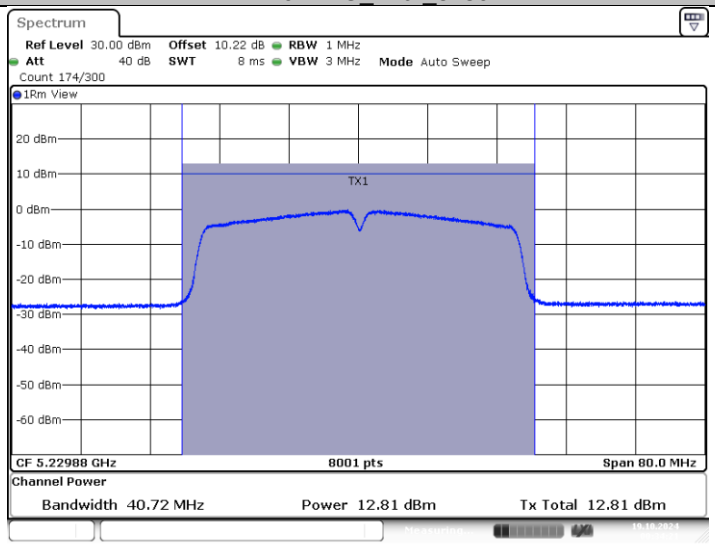

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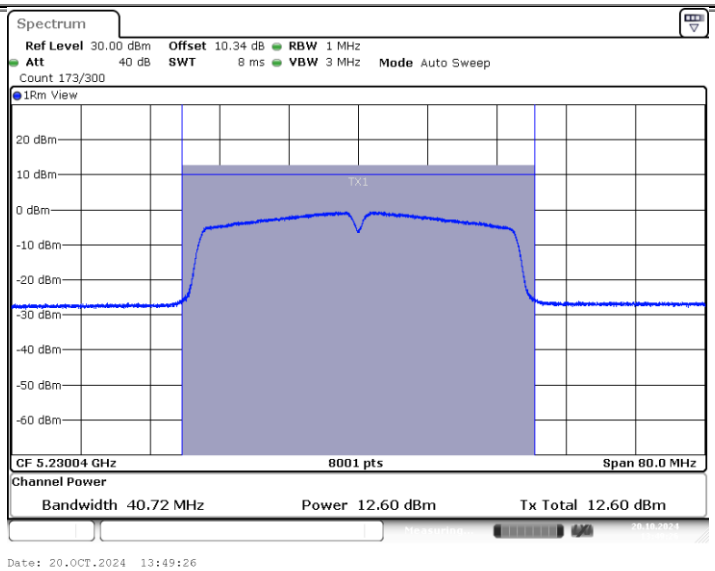

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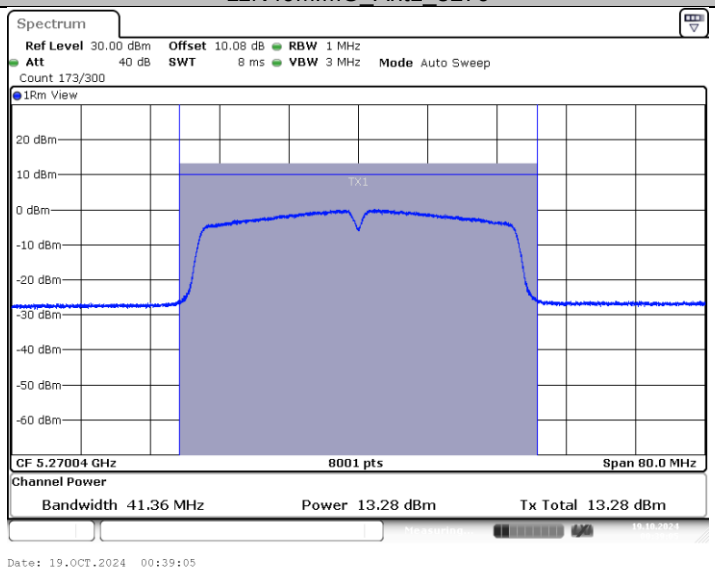

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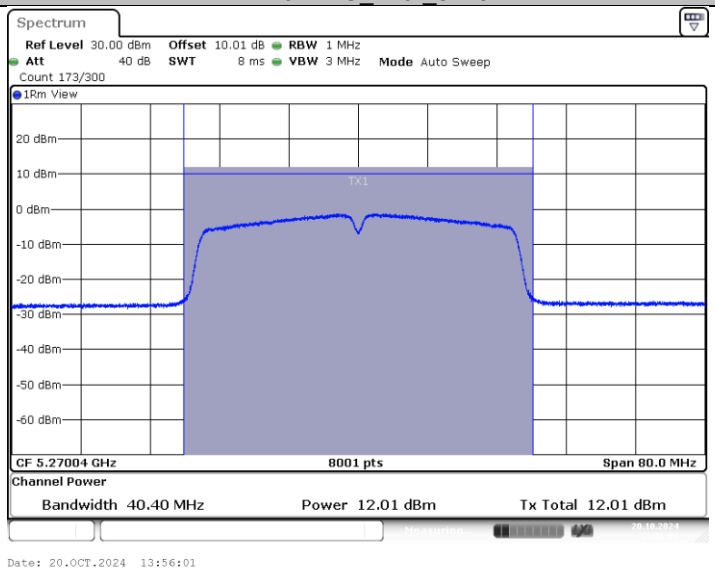

11N40MIMO_Ant1_5310