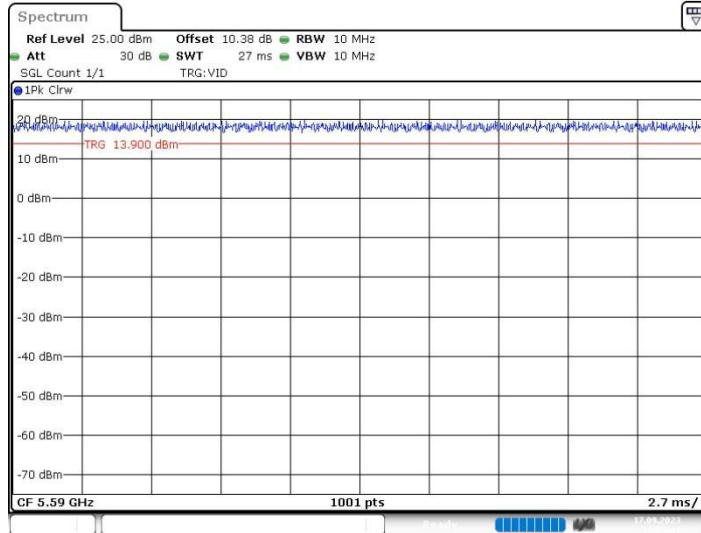


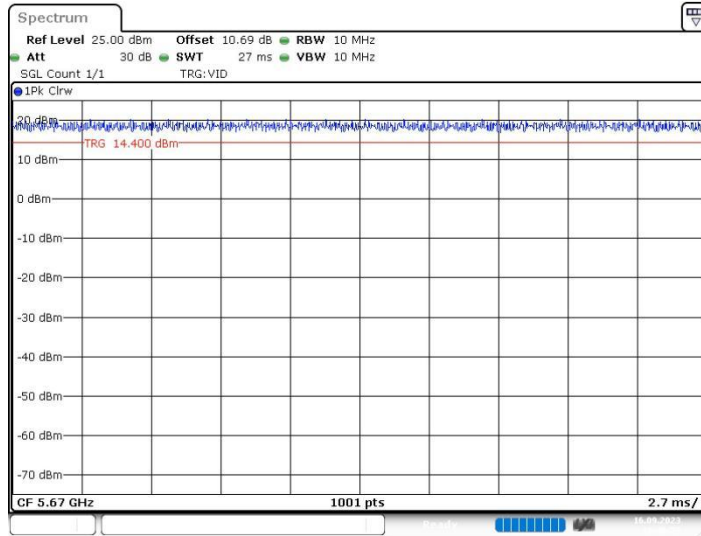
Date: 16.SEP.2023 16:45:56

11N40SISO_Ant2_5590



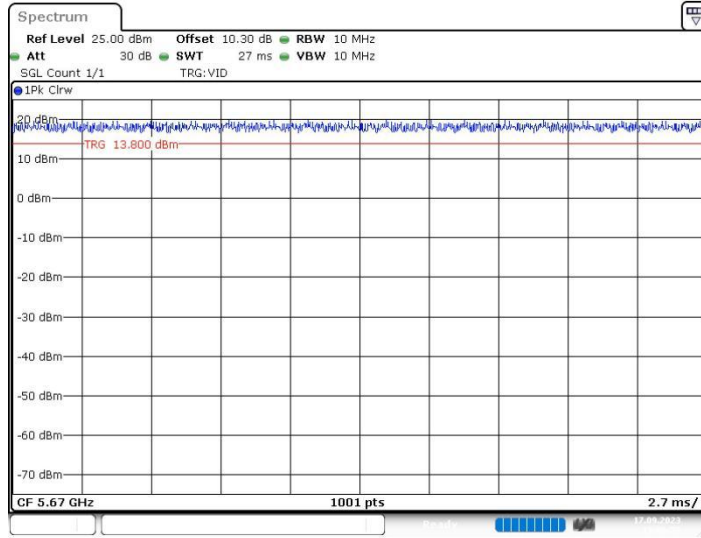
Date: 17.SEP.2023 15:05:41

11N40SISO_Ant1_5670



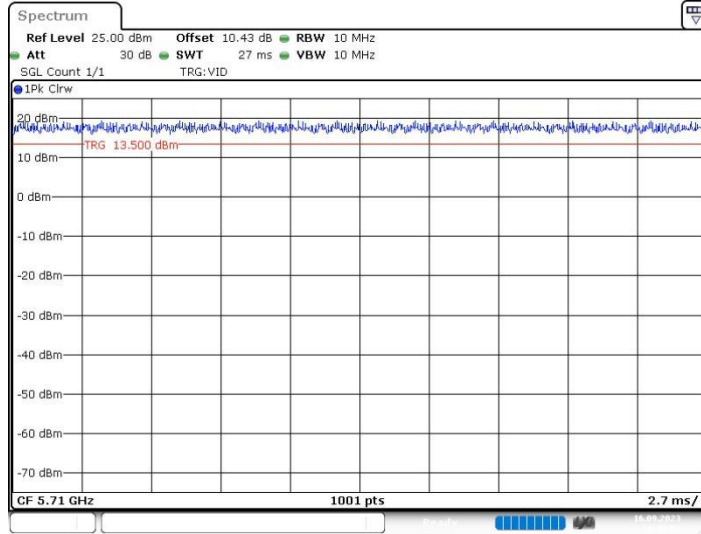
Date: 16.SEP.2023 16:46:59

11N40SISO_Ant2_5670



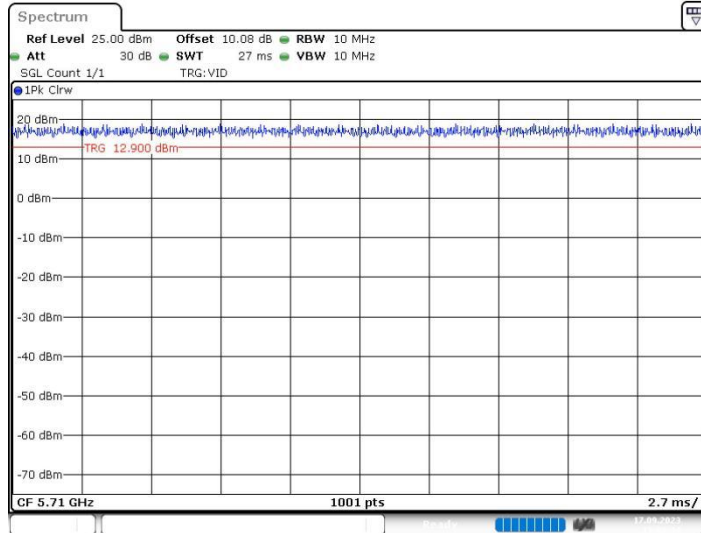
Date: 17.SEP.2023 15:06:59

11N40SISO_Ant1_5710



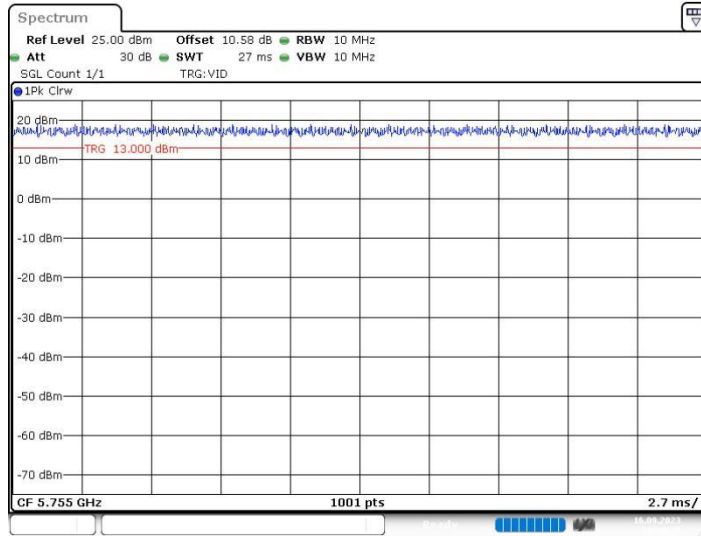
Date: 16.SEP.2023 16:48:02

11N40SISO_Ant2_5710



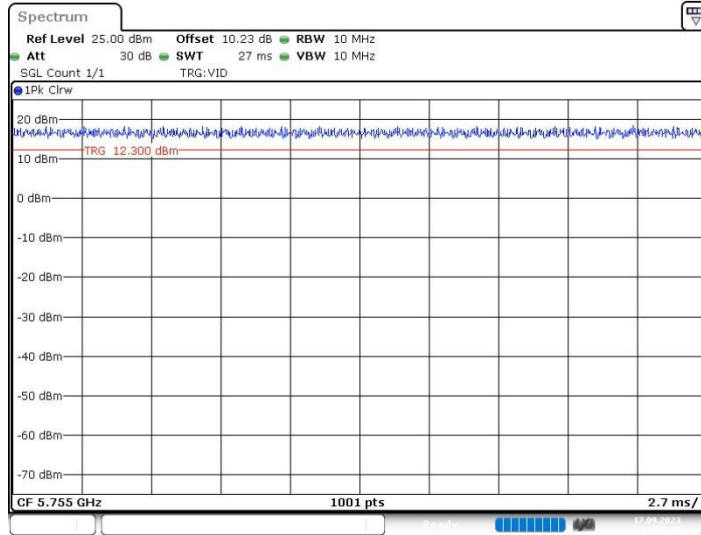
Date: 17.SEP.2023 15:08:14

11N40SISO_Ant1_5755



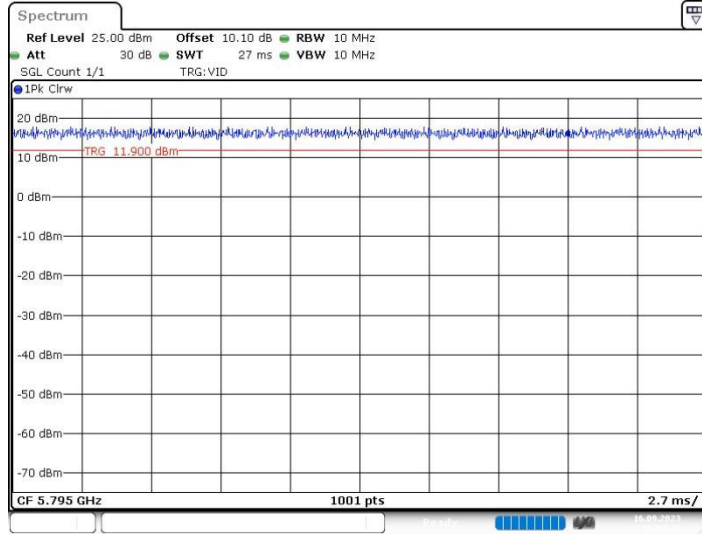
Date: 16.SEP.2023 16:49:21

11N40SISO_Ant2_5755

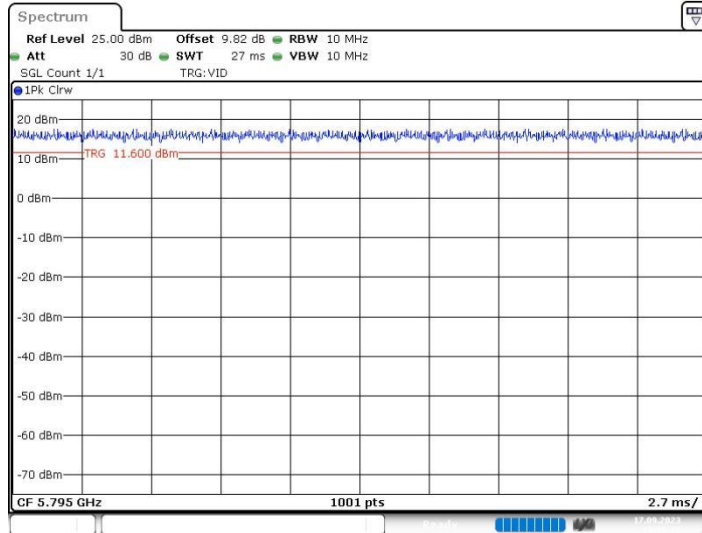


Date: 17.SEP.2023 15:09:45

11N40SISO_Ant1_5795



11N40ISO_Ant2_5795





Appendix C: Transmit Power

Test Result

Test Mode	Antenna	Frequency [MHz]	Conducted Power [dBm]	Limit for FCC [dBm]	Limit For IC [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit For FCC [dBm]	EIRP Limit For IC [dBm]	Verdict
11A	Ant1	5180	15.10	≤23.98	---	4.55	19.65	---	≤22.31	PASS
	Ant2	5180	14.32	≤23.98	---	2.88	17.20	---	≤22.3	PASS
	Ant1	5200	15.38	≤23.98	---	4.55	19.93	---	≤22.41	PASS
	Ant2	5200	14.13	≤23.98	---	2.88	17.01	---	≤22.33	PASS
	Ant1	5240	15.32	≤23.98	---	4.55	19.87	---	≤22.38	PASS
	Ant2	5240	14.08	≤23.98	---	2.88	16.96	---	≤22.31	PASS
	Ant1	5260	16.83	≤23.98	≤23.46	4.55	21.38	≤26.99	≤29.46	PASS
	Ant2	5260	15.85	≤23.98	≤23.38	2.88	18.73	≤26.99	≤29.38	PASS
	Ant1	5280	16.58	≤23.98	≤23.41	4.55	21.13	≤26.99	≤29.41	PASS
	Ant2	5280	15.85	≤23.98	≤23.32	2.88	18.73	≤26.99	≤29.32	PASS
	Ant1	5320	16.75	≤23.98	≤23.37	4.55	21.30	≤26.99	≤29.37	PASS
	Ant2	5320	15.93	≤23.98	≤23.35	2.88	18.81	≤26.99	≤29.35	PASS
	Ant1	5500	17.49	≤23.98	≤23.46	4.55	22.04	≤26.99	≤29.46	PASS
	Ant2	5500	17.41	≤23.98	≤23.46	2.88	20.29	≤26.99	≤29.46	PASS
	Ant1	5600	17.13	≤23.98	≤23.39	4.55	21.68	≤26.99	≤29.39	PASS
	Ant2	5600	16.05	≤23.98	≤23.33	2.88	18.93	≤26.99	≤29.33	PASS
	Ant1	5700	15.52	≤23.98	≤23.33	4.55	20.07	≤26.99	≤29.33	PASS
	Ant2	5700	15.60	≤23.98	≤23.33	2.88	18.48	≤26.99	≤29.33	PASS
	Ant1	5720_UNII-2C	14.58	≤23.41	≤22.36	4.55	19.13	≤26.99	≤28.36	PASS
	Ant2	5720_UNII-2C	14.62	≤23.48	≤22.38	2.88	17.50	≤26.99	≤28.38	PASS
	Ant1	5720_UNII-3	6.71	≤30.00	≤30.00	4.55	9.40	---	---	PASS
	Ant2	5720_UNII-3	6.52	≤30.00	≤30.00	2.88	19.67	---	---	PASS
	Ant1	5745	15.12	≤30.00	≤30.00	4.55	17.84	---	---	PASS
	Ant2	5745	14.96	≤30.00	≤30.00	2.88	19.14	---	---	PASS
Ant1	5785	14.59	≤30.00	≤30.00	4.55	17.23	---	---	PASS	
Ant2	5785	14.35	≤30.00	≤30.00	2.88	20.99	---	---	PASS	
Ant1	5825	16.44	≤30.00	≤30.00	4.55	17.82	---	---	PASS	
Ant2	5825	14.94	≤30.00	≤30.00	2.88	19.11	---	---	PASS	
11N20SI SO	Ant1	5180	14.56	≤23.98	---	4.55	16.64	---	≤23.08	PASS
	Ant2	5180	13.76	≤23.98	---	2.88	19.56	---	≤22.55	PASS



	Ant1	5200	15.01	≤23.98	---	4.55	16.96	---	≤22.62	PASS	
	Ant2	5200	14.08	≤23.98	---	2.88	19.87	---	≤22.54	PASS	
	Ant1	5240	15.32	≤23.98	---	4.55	17.44	---	≤22.58	PASS	
	Ant2	5240	14.56	≤23.98	---	2.88	21.98	---	≤22.57	PASS	
	Ant1	5260	17.43	≤23.98	≤23.77	4.55	19.44	≤26.99	≤29.77	PASS	
	Ant2	5260	16.56	≤23.98	≤23.66	2.88	21.53	≤26.99	≤29.66	PASS	
	Ant1	5280	16.98	≤23.98	≤23.67	4.55	19.41	≤26.99	≤29.67	PASS	
	Ant2	5280	16.53	≤23.98	≤23.57	2.88	21.03	≤26.99	≤29.57	PASS	
	Ant1	5320	16.48	≤23.98	≤23.60	4.55	19.50	≤26.99	≤29.6	PASS	
	Ant2	5320	16.62	≤23.98	≤23.59	2.88	21.90	≤26.99	≤29.59	PASS	
	Ant1	5500	17.35	≤23.98	≤23.66	4.55	20.82	≤26.99	≤29.66	PASS	
	Ant2	5500	17.94	≤23.98	≤23.75	2.88	21.15	≤26.99	≤29.75	PASS	
	Ant1	5600	16.60	≤23.98	≤23.61	4.55	19.46	≤26.99	≤29.61	PASS	
	Ant2	5600	16.58	≤23.98	≤23.59	2.88	20.05	≤26.99	≤29.59	PASS	
	Ant1	5700	15.50	≤23.98	≤23.57	4.55	19.17	≤26.99	≤29.57	PASS	
	Ant2	5700	16.29	≤23.98	≤23.57	2.88	19.52	≤26.99	≤29.57	PASS	
	Ant1	5720_ UNII-2C	14.97	≤22.91	≤22.45	4.55	18.14	≤26.99	≤28.45	PASS	
	Ant2	5720_ UNII-2C	15.26	≤23.81	≤22.50	2.88	11.30	≤26.99	≤28.50	PASS	
	Ant1	5720_ UNII-3	6.75	≤30.00	≤30.00	4.55	10.42	---	---	PASS	
	Ant2	5720_ UNII-3	7.54	≤30.00	≤30.00	2.88	19.99	---	---	PASS	
	Ant1	5745	15.44	≤30.00	≤30.00	4.55	18.49	---	---	PASS	
	Ant2	5745	15.61	≤30.00	≤30.00	2.88	18.94	---	---	PASS	
	Ant1	5785	14.39	≤30.00	≤30.00	4.55	17.93	---	---	PASS	
	Ant2	5785	15.05	≤30.00	≤30.00	2.88	19.47	---	---	PASS	
	Ant1	5825	14.92	≤30.00	≤30.00	4.55	18.47	---	---	PASS	
	Ant2	5825	15.59	≤30.00	≤30.00	2.88	18.03	---	---	PASS	
	11N40SI SO	Ant1	5190	13.48	≤23.98	0.00	4.55	15.02	---	≤23.00	PASS
		Ant2	5190	12.14	≤23.98	0.00	2.88	17.85	---	≤23.00	PASS
		Ant1	5230	13.30	≤23.98	0.00	4.55	14.92	---	≤23.00	PASS
		Ant2	5230	12.04	≤23.98	0.00	2.88	19.32	---	≤23.00	PASS
		Ant1	5270	14.77	≤23.98	≤23.98	4.55	16.61	≤26.99	≤30.00	PASS
		Ant2	5270	13.73	≤23.98	≤23.98	2.88	19.33	≤26.99	≤30.00	PASS
Ant1		5310	14.78	≤23.98	≤23.98	4.55	16.83	≤26.99	≤30.00	PASS	
Ant2		5310	13.95	≤23.98	≤23.98	2.88	19.74	≤26.99	≤30.00	PASS	
Ant1		5510	15.19	≤23.98	≤23.98	4.55	17.83	≤26.99	≤30.00	PASS	
Ant2		5510	14.95	≤23.98	≤23.98	2.88	19.56	≤26.99	≤30.00	PASS	
Ant1		5590	15.01	≤23.98	≤23.98	4.55	17.51	≤26.99	≤30.00	PASS	
Ant2		5590	14.63	≤23.98	≤23.98	2.88	19.57	≤26.99	≤30.00	PASS	



Ant1	5670	15.02	≤23.98	≤23.98	4.55	17.49	≤26.99	≤30.00	PASS
Ant2	5670	14.61	≤23.98	≤23.98	2.88	18.35	≤26.99	≤30.00	PASS
Ant1	5710_ UNII-2C	13.80	≤23.98	≤23.98	4.55	16.15	≤26.99	≤30.00	PASS
Ant2	5710_ UNII-2C	13.27	≤23.98	≤23.98	2.88	4.54	≤26.99	≤30.00	PASS
Ant1	5710_ UNII-3	-0.01	≤30.00	≤30.00	4.55	2.04	---	---	PASS
Ant2	5710_ UNII-3	-0.84	≤30.00	≤30.00	2.88	18.22	---	---	PASS
Ant1	5755	13.67	≤30.00	≤30.00	4.55	15.96	---	---	PASS
Ant2	5755	13.08	≤30.00	≤30.00	2.88	17.03	---	---	PASS
Ant1	5795	12.48	≤30.00	≤30.00	4.55	15.28	---	---	PASS
Ant2	5795	12.40	≤30.00	≤30.00	2.88	19.65	---	---	PASS

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



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency [MHz]	PSD [dBm/MHz]	PSD Limit [dBm/MHz]	EIRP.PSD [dBm/MHz]	EIRP.PSD Limit [dBm/MHz]	Verdict
11A	Ant1	5180	4.93	≤11.00	9.48	≤10.00	PASS
	Ant2	5180	3.68	≤11.00	6.56	≤10.00	PASS
	Ant1	5200	4.91	≤11.00	9.46	≤10.00	PASS
	Ant2	5200	3.71	≤11.00	6.59	≤10.00	PASS
	Ant1	5240	4.94	≤11.00	9.49	≤10.00	PASS
	Ant2	5240	3.22	≤11.00	6.10	≤10.00	PASS
	Ant1	5260	7.69	≤11.00	12.24	---	PASS
	Ant2	5260	5.63	≤11.00	8.51	---	PASS
	Ant1	5280	7.19	≤11.00	11.74	---	PASS
	Ant2	5280	5.75	≤11.00	8.63	---	PASS
	Ant1	5320	7.76	≤11.00	12.31	---	PASS
	Ant2	5320	5.63	≤11.00	8.51	---	PASS
	Ant1	5500	8.34	≤11.00	12.89	---	PASS
	Ant2	5500	7.79	≤11.00	10.67	---	PASS
	Ant1	5600	7.97	≤11.00	12.52	---	PASS
	Ant2	5600	6.04	≤11.00	8.92	---	PASS
	Ant1	5700	6.06	≤11.00	10.61	---	PASS
	Ant2	5700	5.16	≤11.00	8.04	---	PASS
	Ant1	5720_UNII -2C	6.1	≤11.00	10.65	---	PASS
	Ant2	5720_UNII -2C	5.15	≤11.00	8.03	---	PASS
	Ant1	5720_UNII -3	0.45	≤11.00	5.00	---	PASS
	Ant2	5720_UNII -3	0	≤11.00	2.88	---	PASS
	Ant1	5745	2.98	≤30.00	7.53	---	PASS
	Ant2	5745	1.86	≤30.00	4.74	---	PASS
Ant1	5785	2.68	≤30.00	7.23	---	PASS	
Ant2	5785	1.51	≤30.00	4.39	---	PASS	
Ant1	5825	2.5	≤30.00	7.05	---	PASS	
Ant2	5825	1.64	≤30.00	4.52	---	PASS	
11N20SIS O	Ant1	5180	4.37	≤11.00	8.92	≤10.00	PASS
	Ant2	5180	3.75	≤11.00	6.63	≤10.00	PASS
	Ant1	5200	4.23	≤11.00	8.78	≤10.00	PASS



	Ant2	5200	3.16	≤11.00	6.04	≤10.00	PASS
	Ant1	5240	4.45	≤11.00	9.00	≤10.00	PASS
	Ant2	5240	3.28	≤11.00	6.16	≤10.00	PASS
	Ant1	5260	7.45	≤11.00	12.00	---	PASS
	Ant2	5260	6.74	≤11.00	9.62	---	PASS
	Ant1	5280	6.94	≤11.00	11.49	---	PASS
	Ant2	5280	5.98	≤11.00	8.86	---	PASS
	Ant1	5320	7.15	≤11.00	11.70	---	PASS
	Ant2	5320	6.47	≤11.00	9.35	---	PASS
	Ant1	5500	7.82	≤11.00	12.37	---	PASS
	Ant2	5500	8.34	≤11.00	11.22	---	PASS
	Ant1	5600	7.28	≤11.00	11.83	---	PASS
	Ant2	5600	6.54	≤11.00	9.42	---	PASS
	Ant1	5700	6.08	≤11.00	10.63	---	PASS
	Ant2	5700	5.98	≤11.00	8.86	---	PASS
	Ant1	5720_UNII -2C	5.78	≤11.00	10.33	---	PASS
	Ant2	5720_UNII -2C	5.66	≤11.00	8.54	---	PASS
	Ant1	5720_UNII -3	0.13	≤11.00	4.68	---	PASS
	Ant2	5720_UNII -3	0.4	≤11.00	3.28	---	PASS
	Ant1	5745	2.9	≤30.00	7.45	---	PASS
	Ant2	5745	2.74	≤30.00	5.62	---	PASS
	Ant1	5785	2.41	≤30.00	6.96	---	PASS
	Ant2	5785	1.97	≤30.00	4.85	---	PASS
	Ant1	5825	2.46	≤30.00	7.01	---	PASS
Ant2	5825	2.38	≤30.00	5.26	---	PASS	
11N40SIS O	Ant1	5190	0.69	≤11.00	5.24	≤10.00	PASS
	Ant2	5190	-0.76	≤11.00	2.12	≤10.00	PASS
	Ant1	5230	0.41	≤11.00	4.96	≤10.00	PASS
	Ant2	5230	-0.7	≤11.00	2.18	≤10.00	PASS
	Ant1	5270	1.71	≤11.00	6.26	---	PASS
	Ant2	5270	0.82	≤11.00	3.70	---	PASS
	Ant1	5310	1.77	≤11.00	6.32	---	PASS
	Ant2	5310	0.91	≤11.00	3.79	---	PASS
	Ant1	5510	2.68	≤11.00	7.23	---	PASS
	Ant2	5510	2.08	≤11.00	4.96	---	PASS
	Ant1	5590	2.21	≤11.00	6.76	---	PASS
	Ant2	5590	1.28	≤11.00	4.16	---	PASS
	Ant1	5670	1.69	≤11.00	6.24	---	PASS

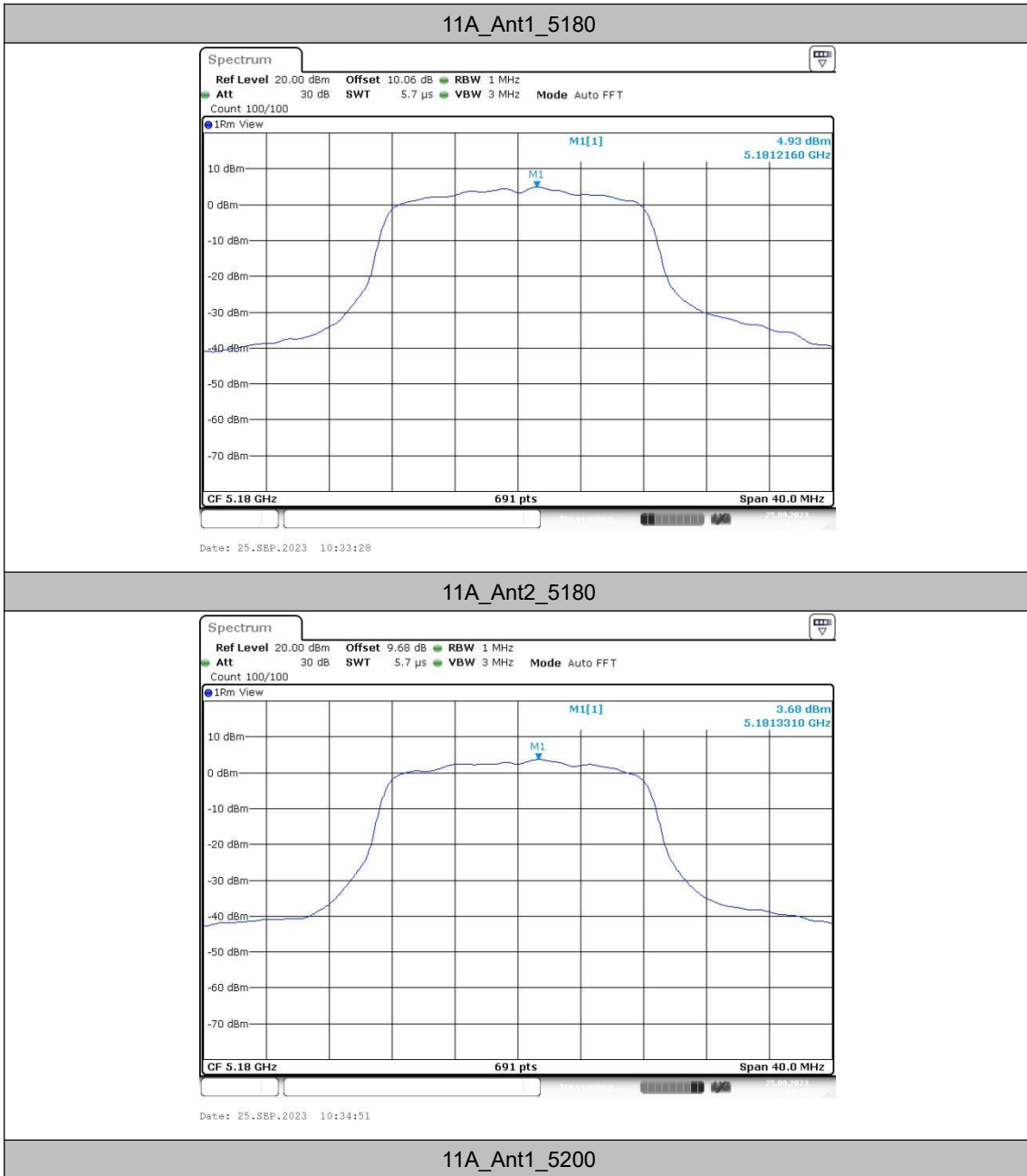


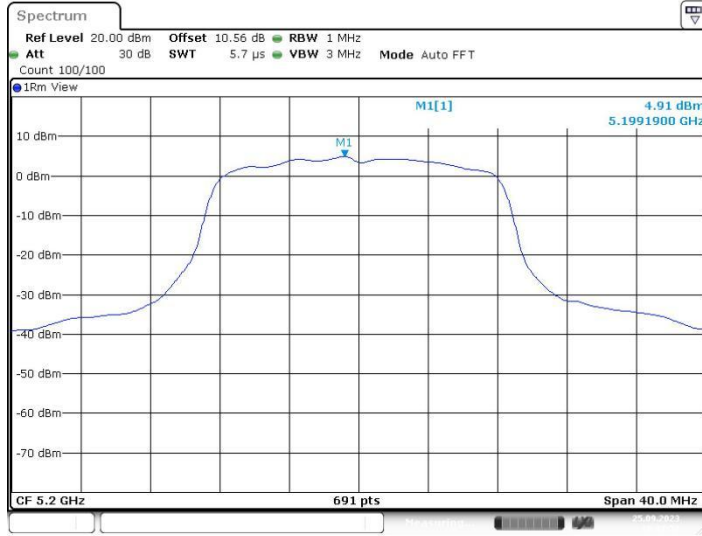
Ant2	5670	1.49	≤11.00	4.37	---	PASS
Ant1	5710_UNII -2C	0.48	≤11.00	5.03	---	PASS
Ant2	5710_UNII -2C	0.22	≤11.00	3.10	---	PASS
Ant1	5710_UNII -3	-7.3	≤11.00	-2.75	---	PASS
Ant2	5710_UNII -3	-7.61	≤11.00	-4.73	---	PASS
Ant1	5755	-2.31	≤30.00	2.24	---	PASS
Ant2	5755	-2.64	≤30.00	0.24	---	PASS
Ant1	5795	-3.3	≤30.00	1.25	---	PASS
Ant2	5795	-3.15	≤30.00	-0.27	---	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.



Test Graphs

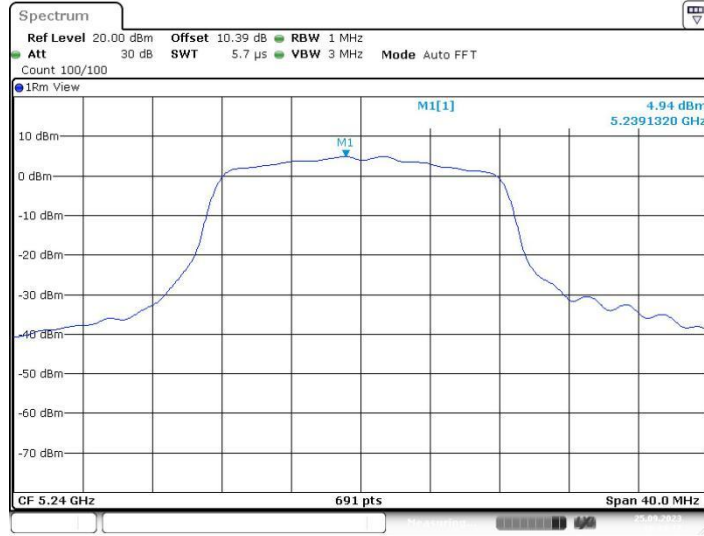




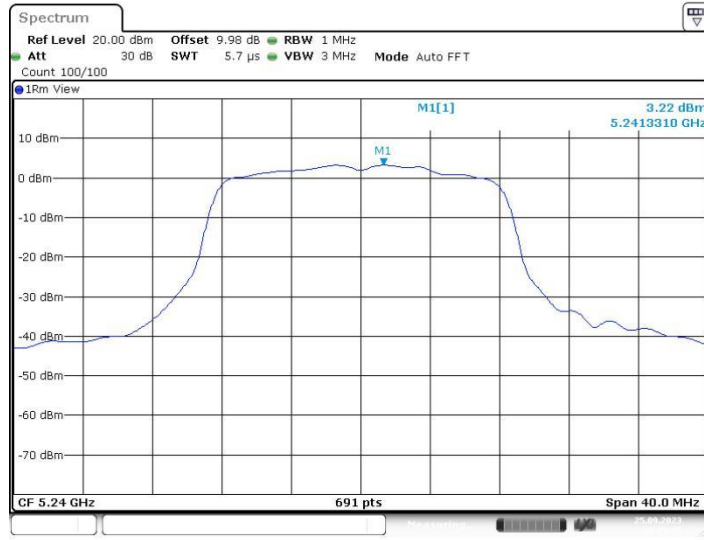
11A_Ant2_5200



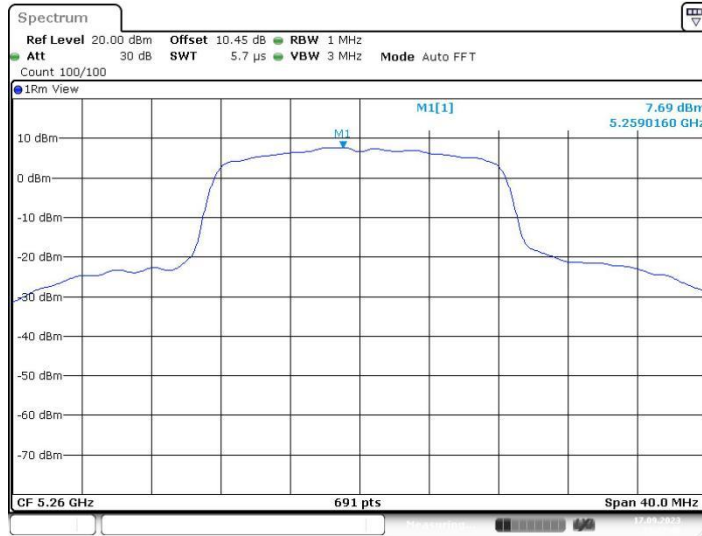
11A_Ant1_5240



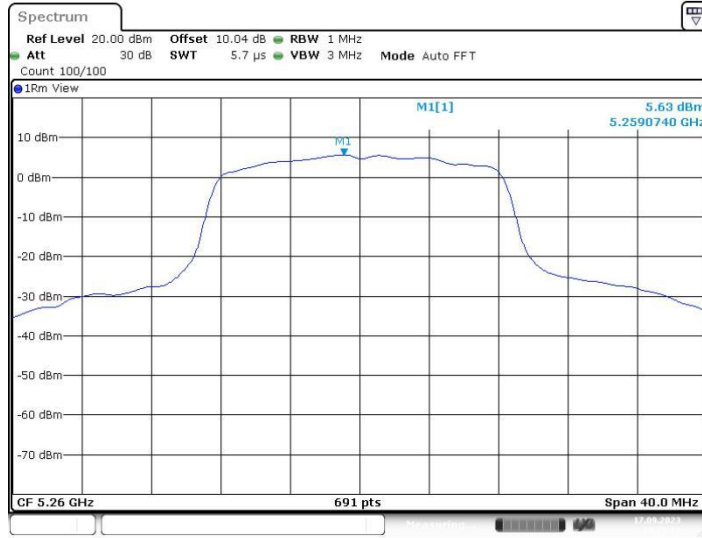
11A_Ant2_5240



11A_Ant1_5260



11A_Ant2_5260



11A_Ant1_5280



Date: 17.SEP.2023 13:23:46

11A_Ant2_5280



Date: 17.SEP.2023 14:26:27

11A_Ant1_5320



Date: 17.SEP.2023 13:23:59

11A_Ant2_5320



Date: 17.SEP.2023 14:27:39

11A_Ant1_5500



11A_Ant2_5500



11A_Ant1_5600



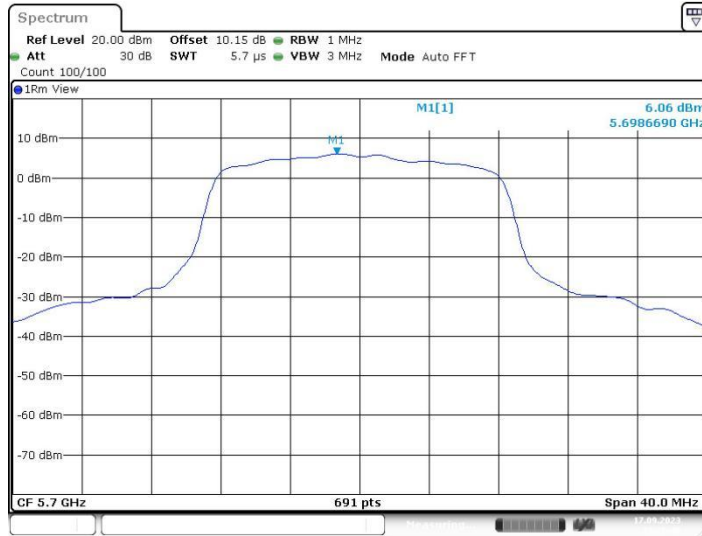
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11A_Ant2_5600

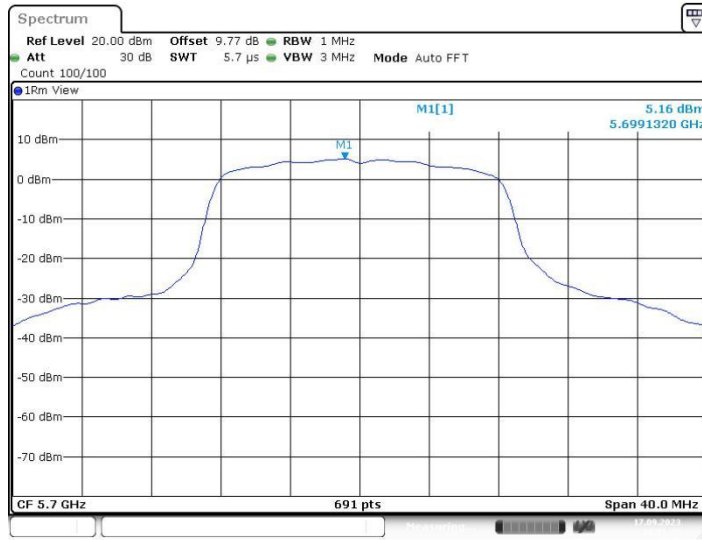


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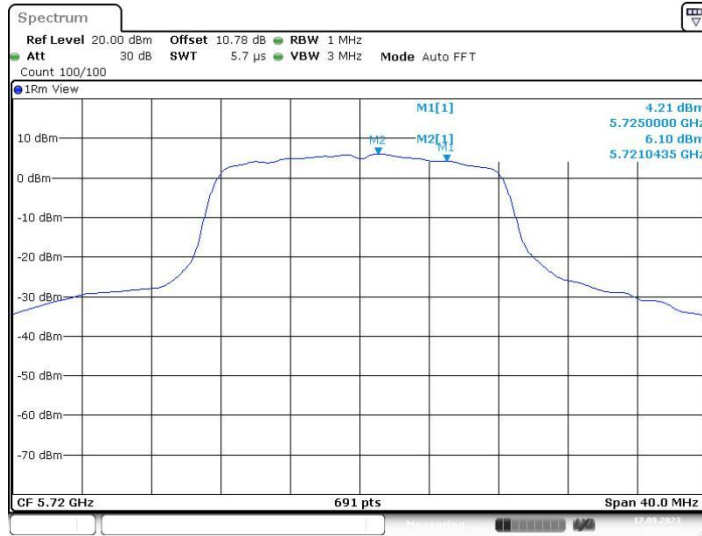
11A_Ant1_5700



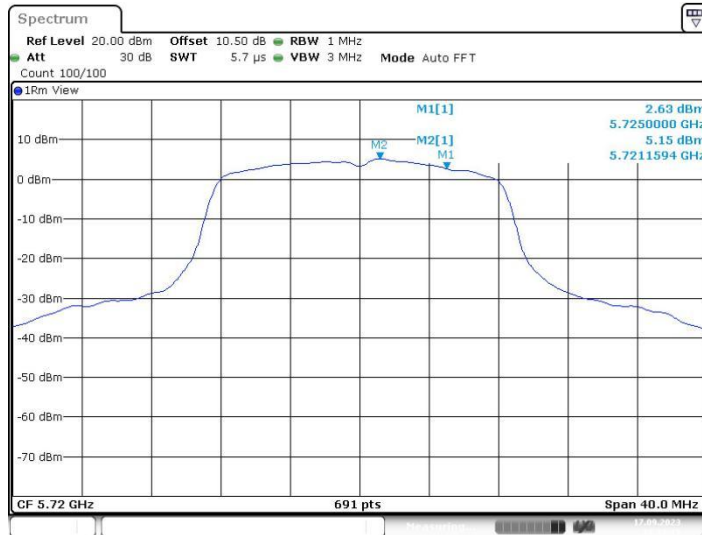
11A_Ant2_5700



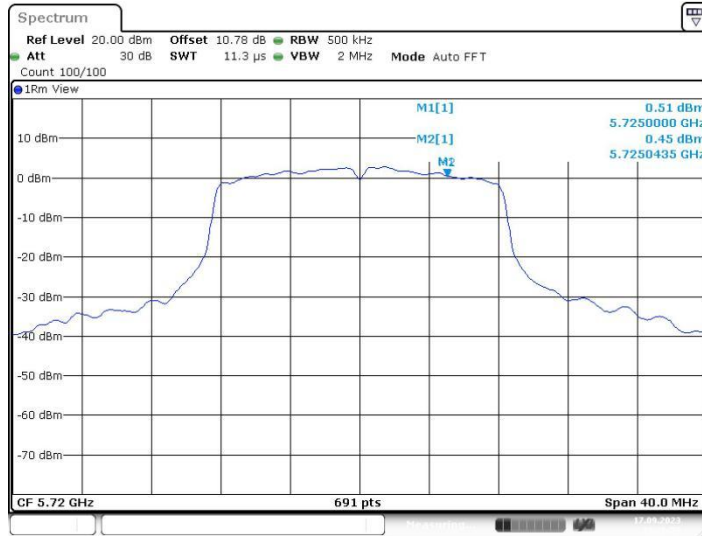
11A_Ant1_5720_UNII-2C



11A_Ant2_5720_UNII-2C

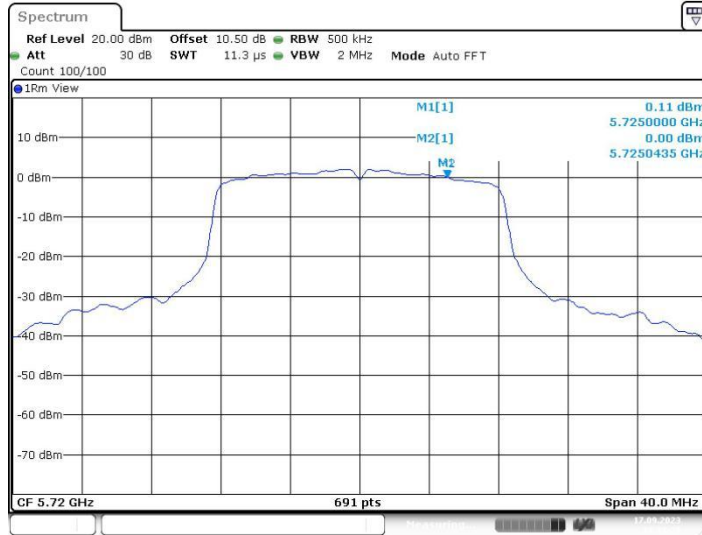


11A_Ant1_5720_UNII-3



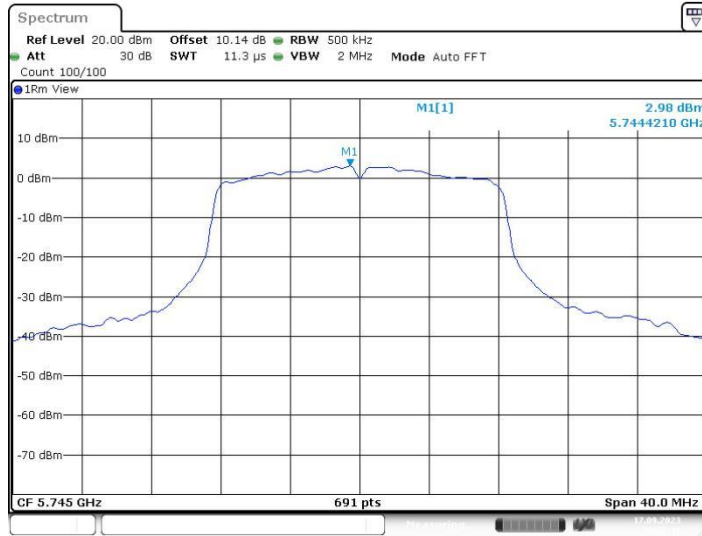
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11A_Ant2_5720_UNII-3



Date: 17.SEP.2023 14:33:20

11A_Ant1_5745



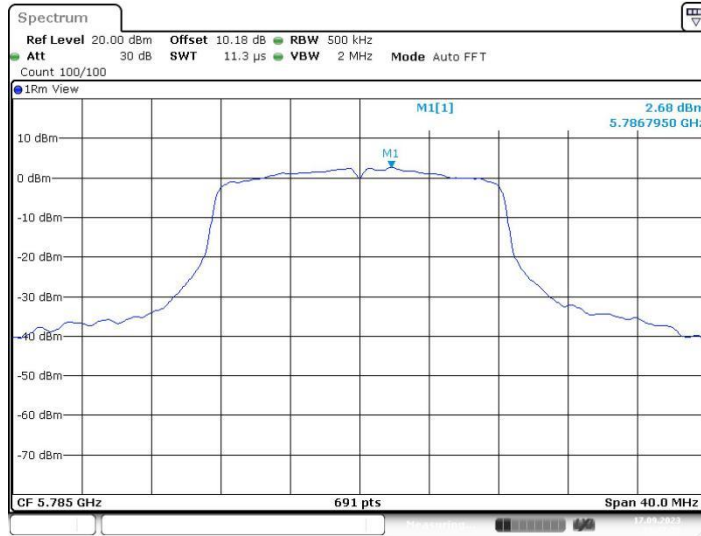
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11A_Ant2_5745

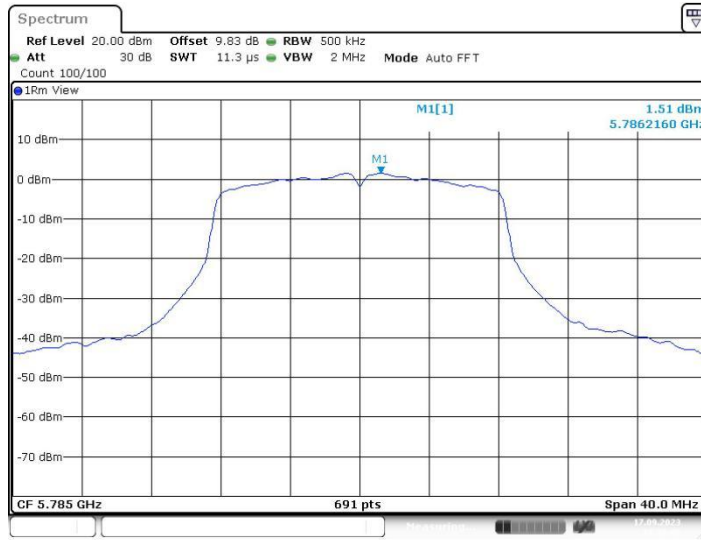


Date: 17.SEP.2023 14:34:39

11A_Ant1_5785



11A_Ant2_5785

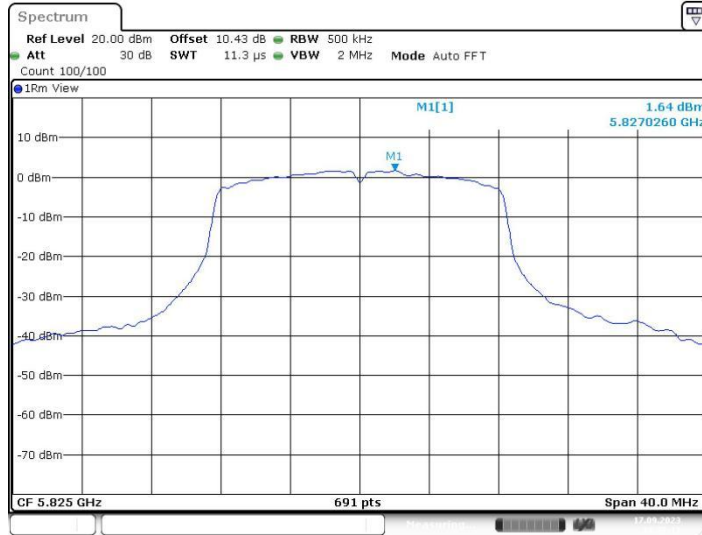


11A_Ant1_5825



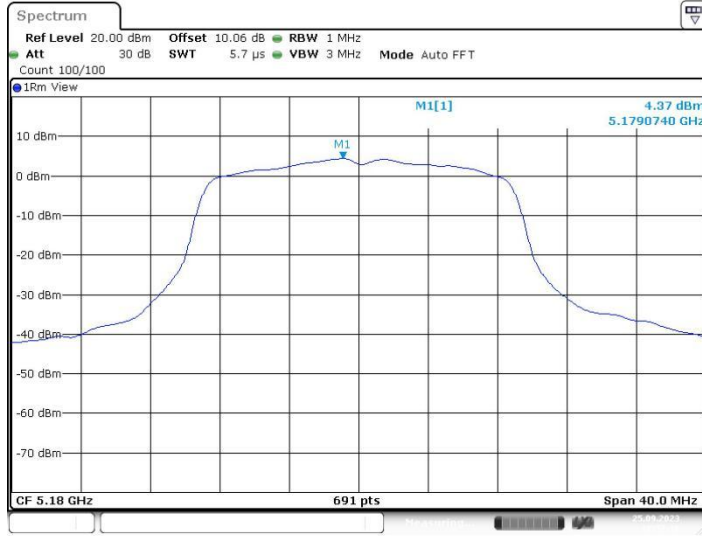
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11A_Ant2_5825

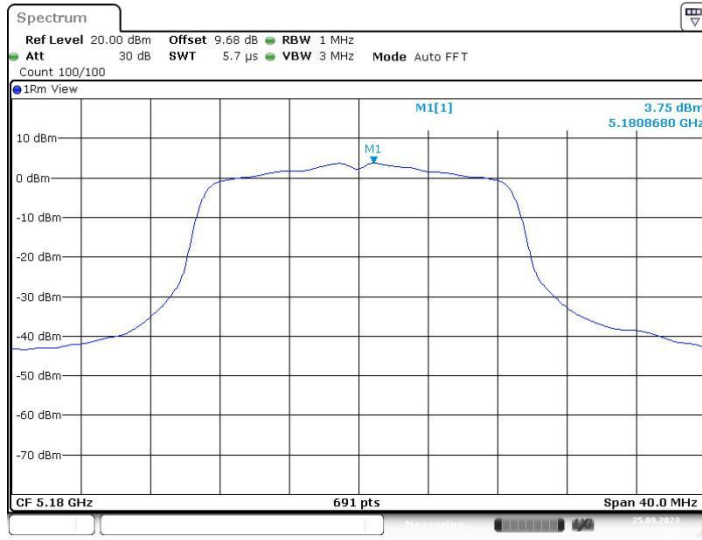


Date: 17.SEP.2023 14:37:11

11N20SISO_Ant1_5180



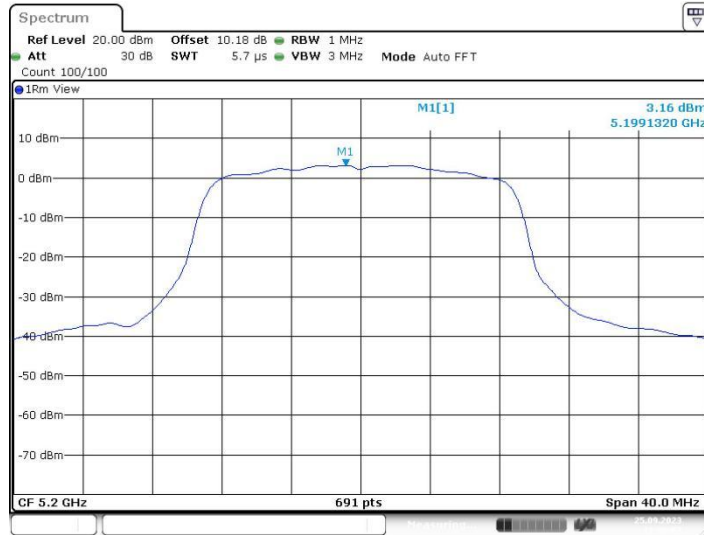
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11N20SISO_Ant1_5200



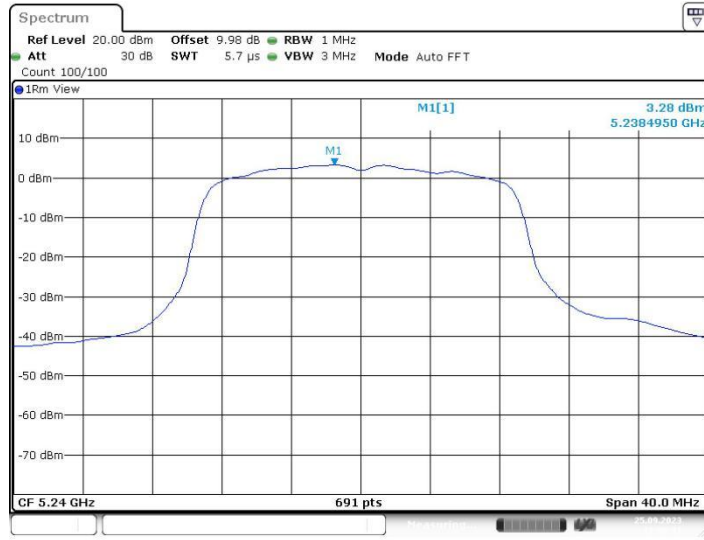
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11N20SISO_Ant1_5240



11N20SISO_Ant2_5240

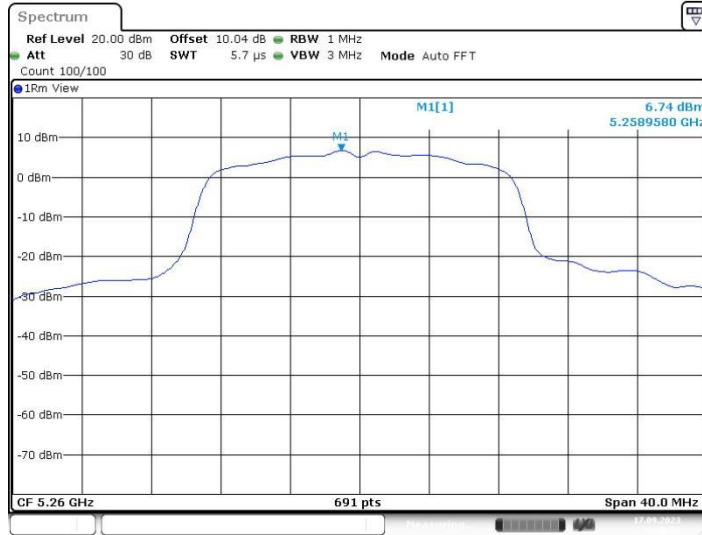


11N20SISO_Ant1_5260



Date: 17.SEP.2023 13:49:01

11N20SISO_Ant2_5260

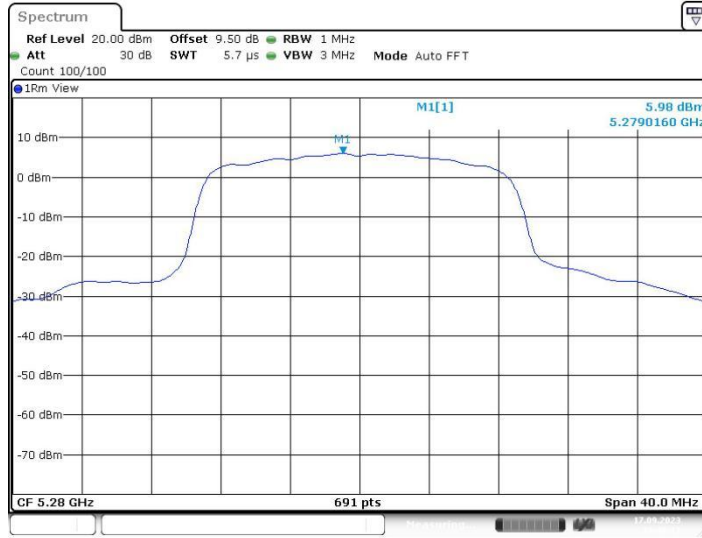


Date: 17.SEP.2023 14:46:53

11N20SISO_Ant1_5280



11N20SISO_Ant2_5280



11N20SISO_Ant1_5320



Date: 17.SEP.2023 13:54:35

11N20SISO_Ant2_5320



Date: 17.SEP.2023 14:49:23

11N20SISO_Ant1_5500



Date: 17.SEP.2023 14:00:49

11N20SISO_Ant2_5500



Date: 17.SEP.2023 14:50:38

11N20SISO_Ant1_5600



Date: 17.SEP.2023 14:02:53

11N20SISO_Ant2_5600



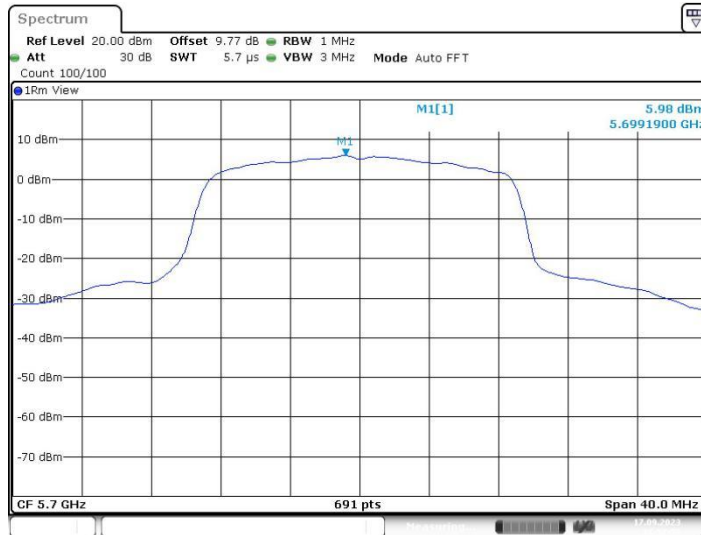
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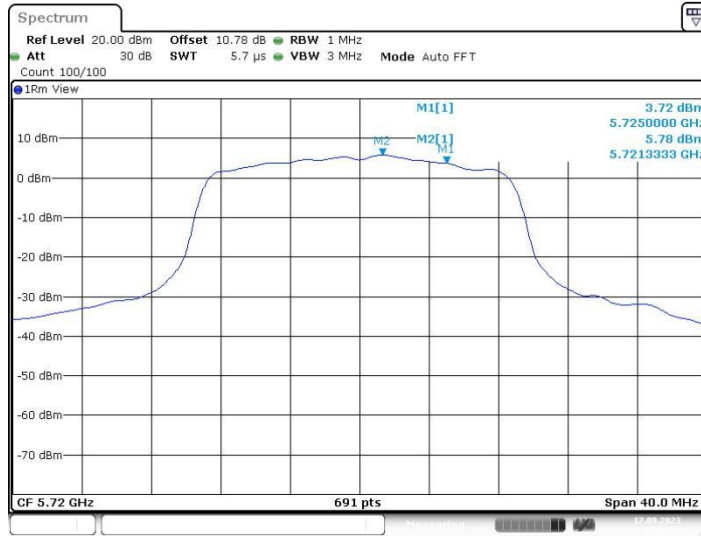
Date: 17.SEP.2023 14:04:53

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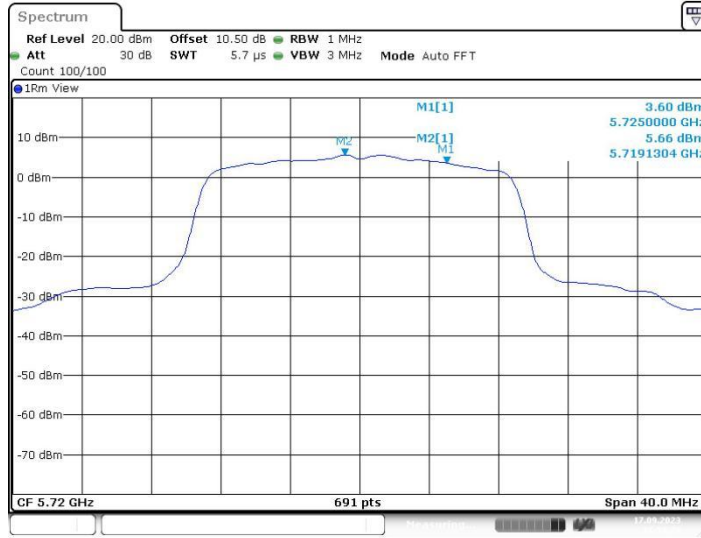
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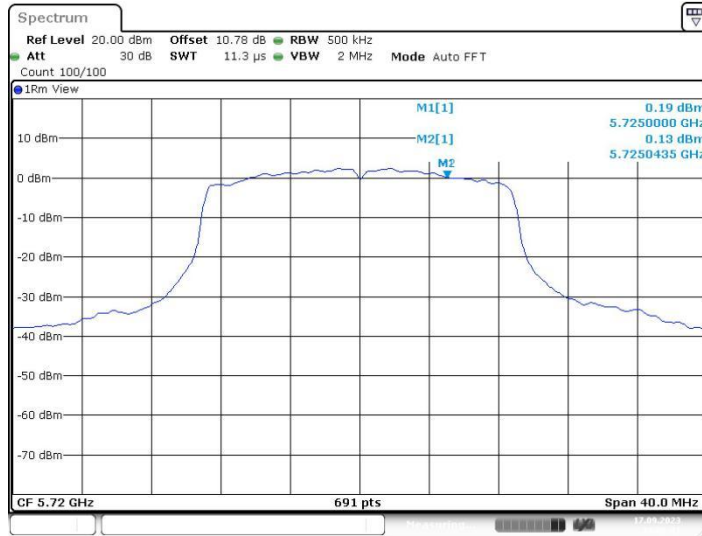
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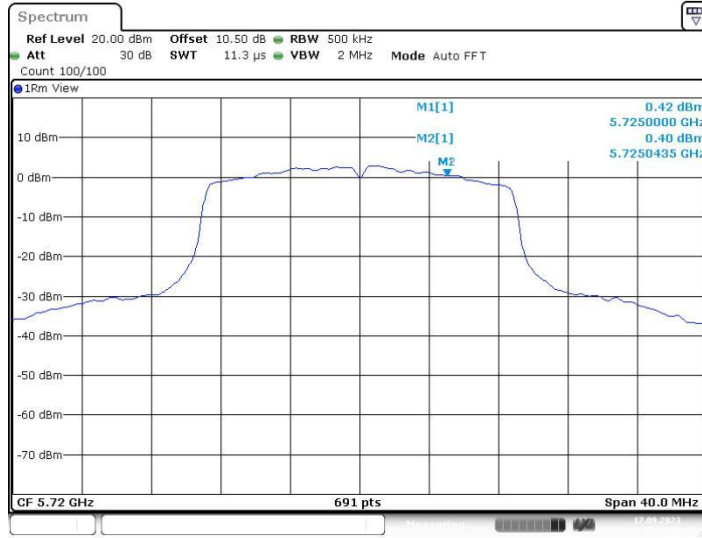
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11N20SISO_Ant1_5720_UNII-3



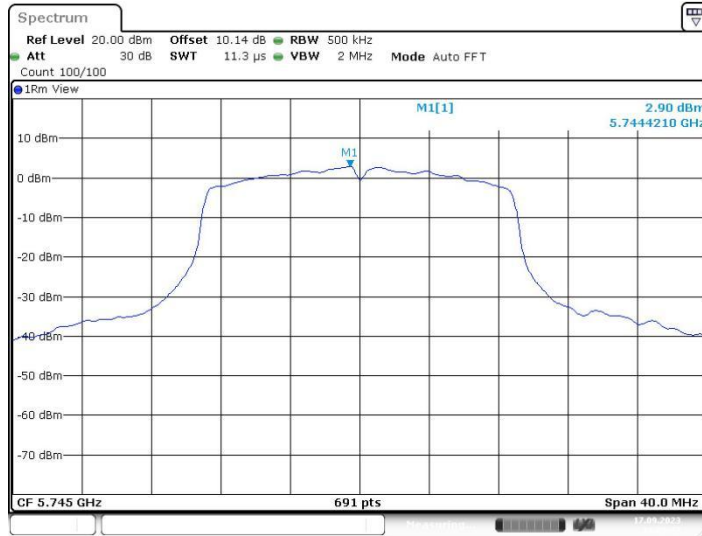
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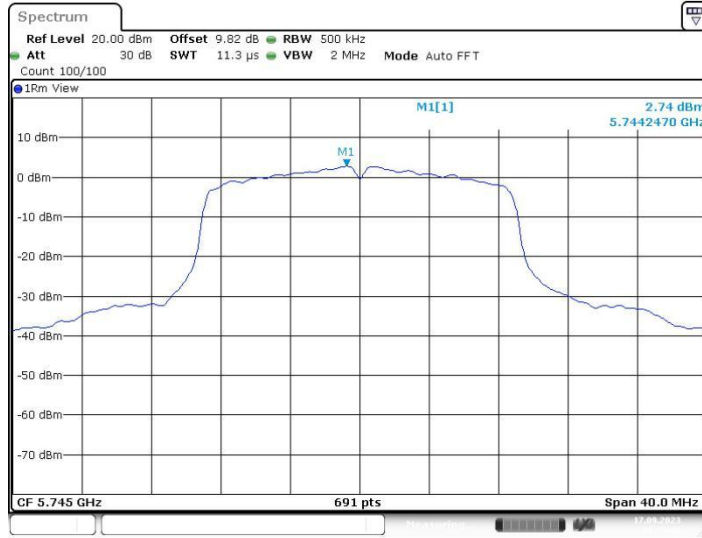
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11N20SISO_Ant1_5745



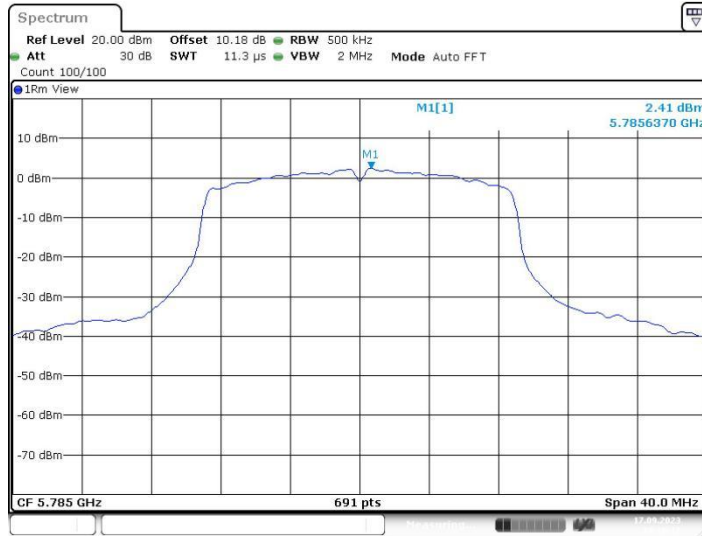
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11N20SISO_Ant2_5745



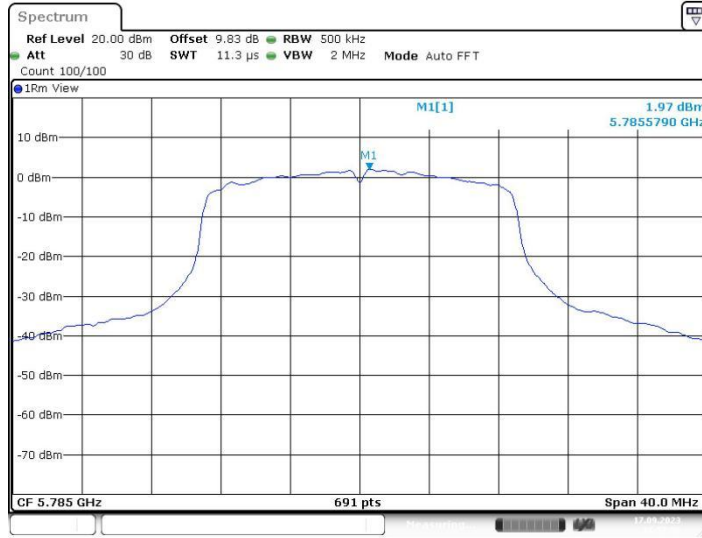
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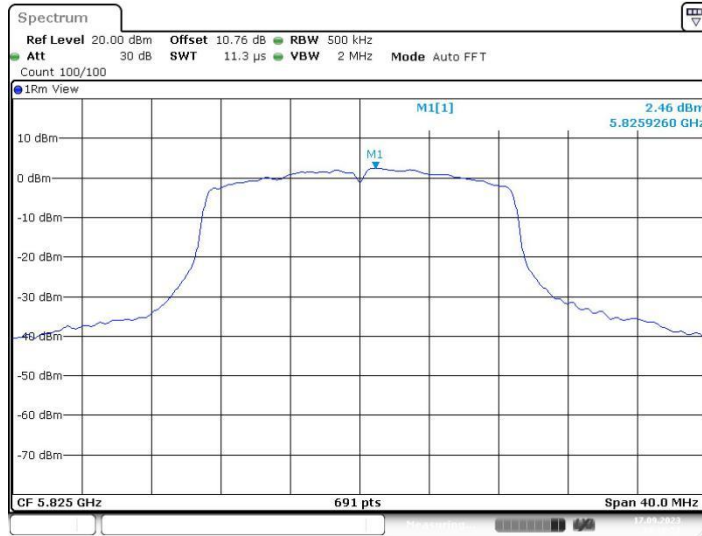
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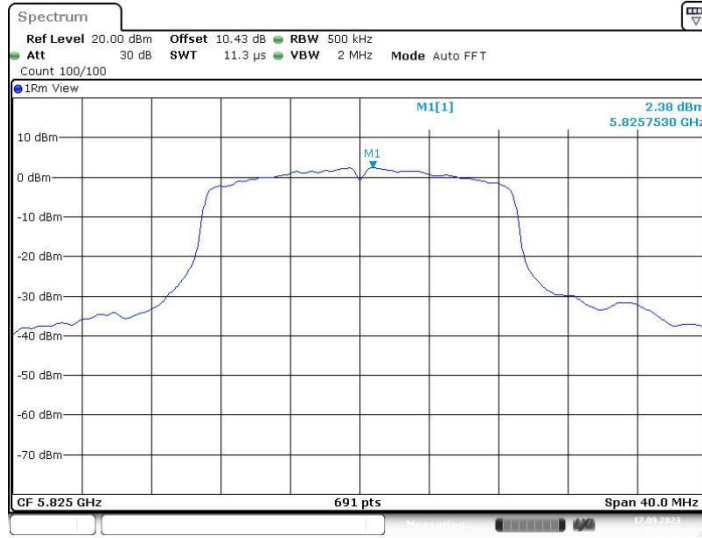


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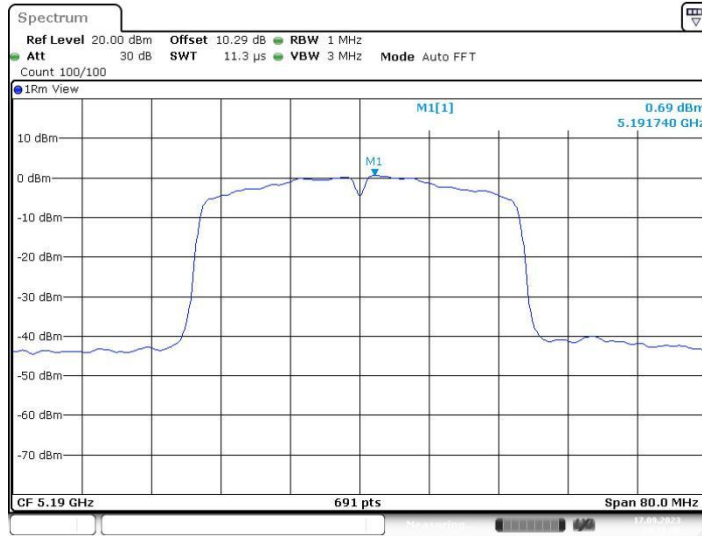
11N20SISO_Ant1_5825



11N20SISO_Ant2_5825



11N40SISO_Ant1_5190



11N40SISO_Ant2_5190

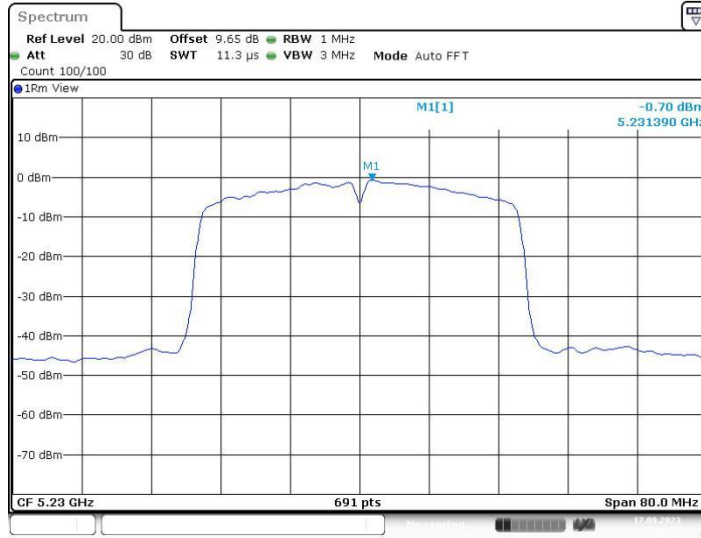


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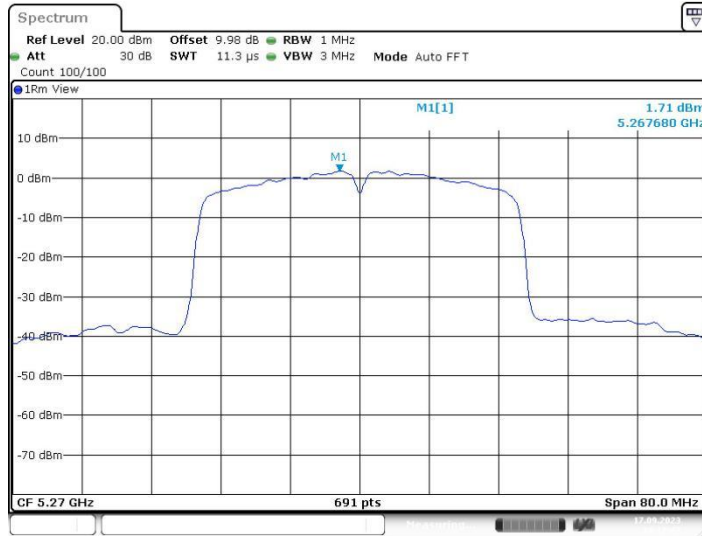
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11N40SISO_Ant2_5230



Date: 17.SEP.2023 15:00:51

11N40SISO_Ant1_5270



Date: 17.SEP.2023 14:12:48

11N40SISO_Ant2_5270

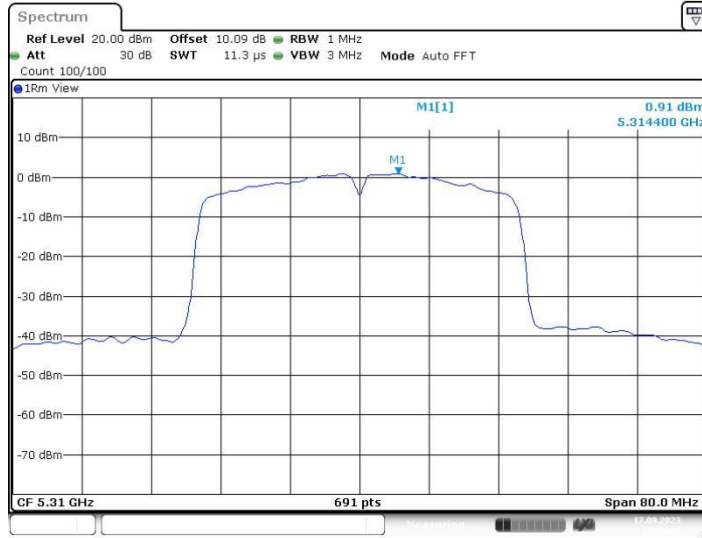


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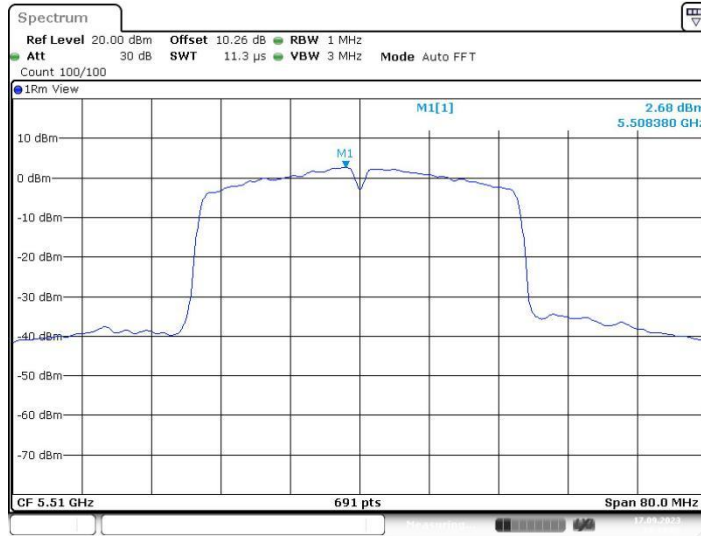
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11N40SISO_Ant2_5310



11N40SISO_Ant1_5510



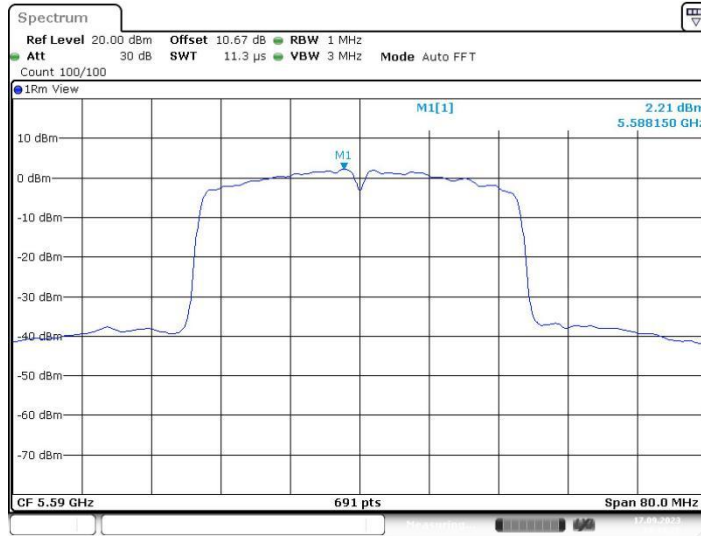
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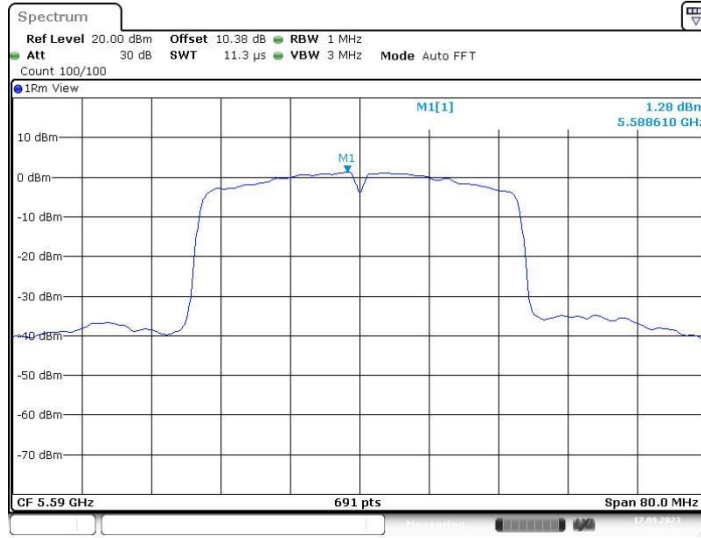
Date: 17.SEP.2023 15:04:40

11N40SISO_Ant1_5590



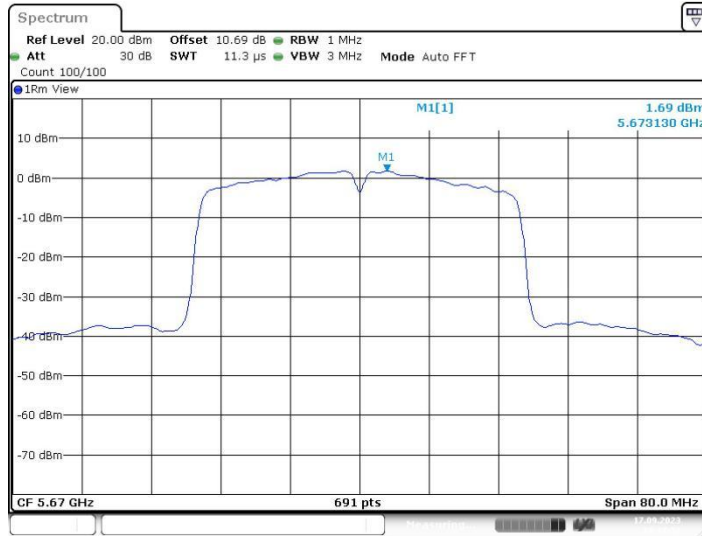
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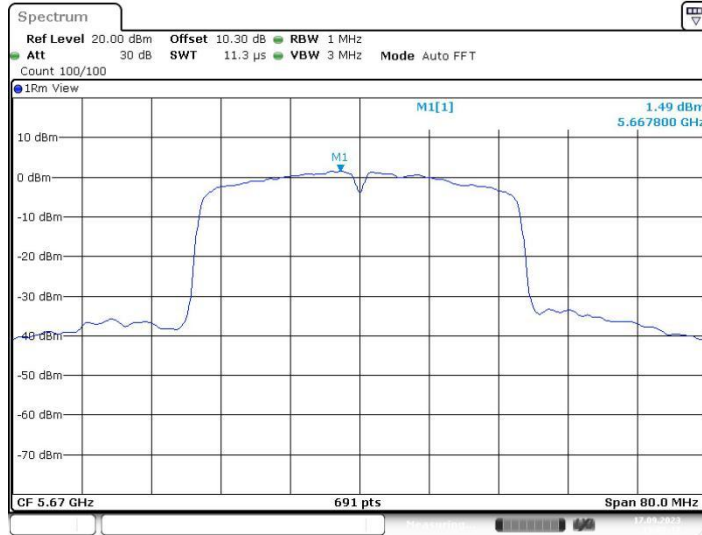
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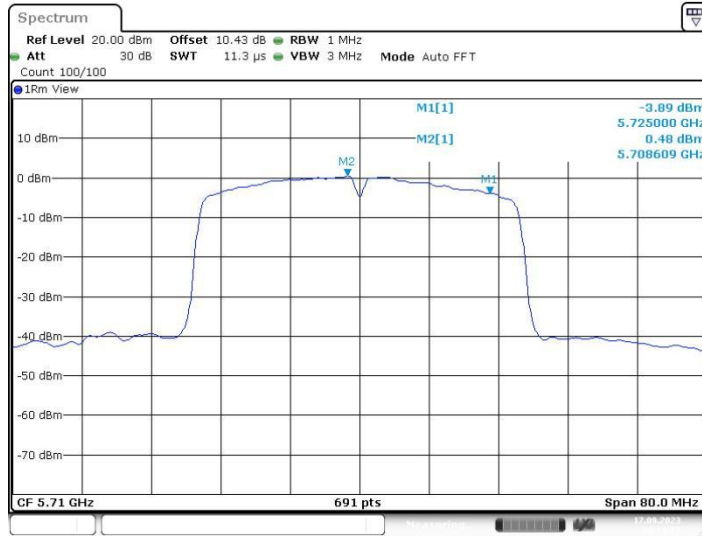
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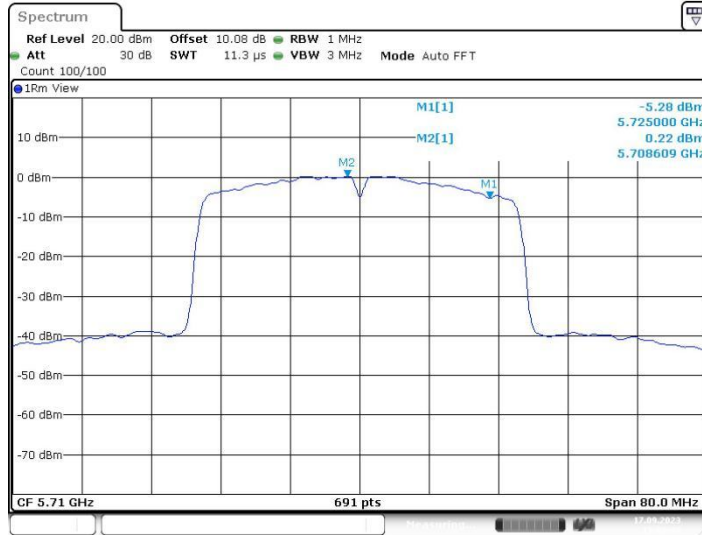
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11N40SISO_Ant1_5710_UNII-2C



Date: 17.SEP.2023 14:15:17

11N40SISO_Ant2_5710_UNII-2C



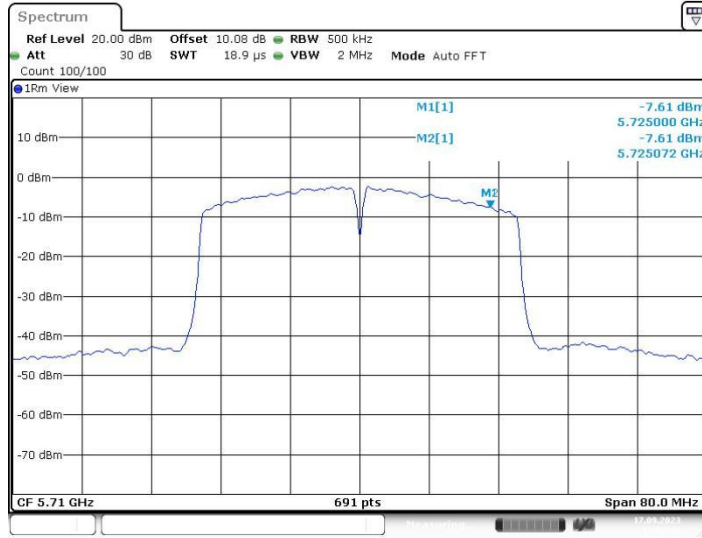
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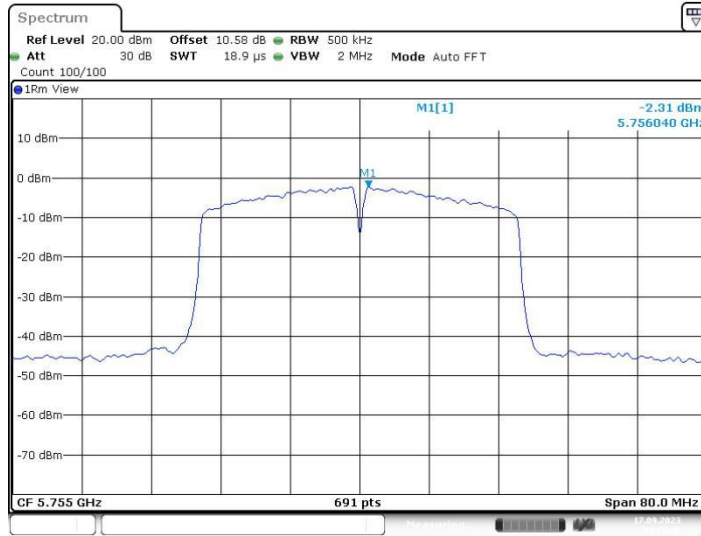
Date: 17.SEP.2023 14:15:22

11N40SISO_Ant2_5710_UNII-3

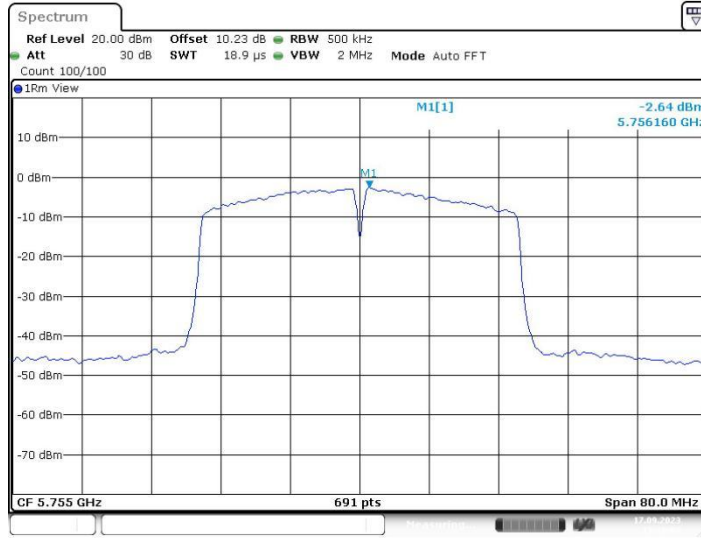


Date: 17.SEP.2023 15:08:49

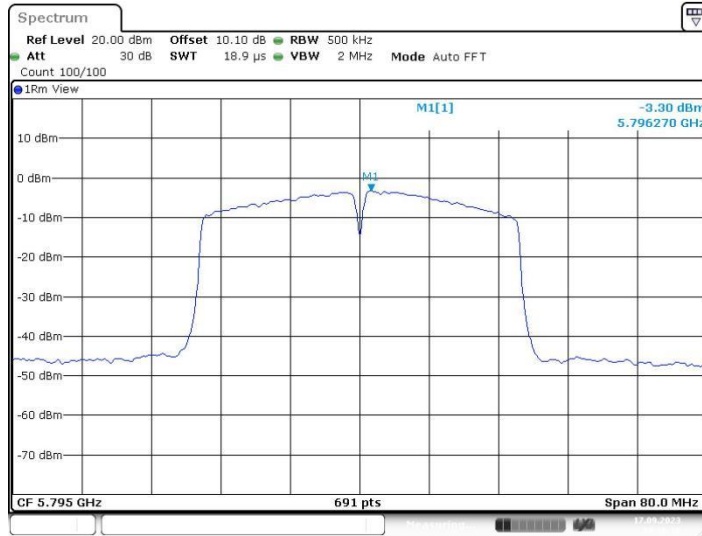
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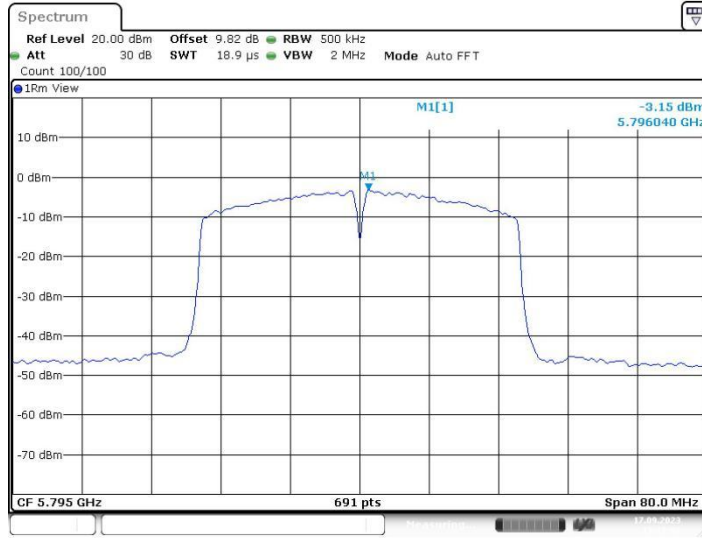
11N40SISO_Ant2_5755



11N40SISO_Ant1_5795



11N40SISO_Ant2_5795





Appendix E: Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Frequency[MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-5000.00	-0.965251	20	PASS
			LV	NT	-5000.00	-0.965251	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5180	NV	NT	-7500.00	-1.447876	20	PASS
			LV	NT	-10000.00	-1.930502	20	PASS
			HV	NT	-7500.00	-1.447876	20	PASS

Temperature								
TestMode	Antenna	Frequency[MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	-5000.00	-0.965251	20	PASS
			NV	-20	-5000.00	-0.965251	20	PASS
			NV	-10	-2500.00	-0.482625	20	PASS
			NV	0	-2500.00	-0.482625	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-5000.00	-0.965251	20	PASS
			NV	40	-2500.00	-0.482625	20	PASS
	Ant2	5180	NV	50	0.00	0.000000	20	PASS
			NV	-30	-7500.00	-1.447876	20	PASS
			NV	-20	-7500.00	-1.447876	20	PASS
			NV	-10	-7500.00	-1.447876	20	PASS
			NV	0	-7500.00	-1.447876	20	PASS
			NV	10	5000.00	0.965251	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-7500.00	-1.447876	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-7500.00	-1.447876	20	PASS