

RF Test Data for 5G Wi-Fi (Conducted Measurements)

General Description of EUT	
Product Name:	Eudora
Test Model:	E10 Pro
Sample ID:	202312-0233-1-2#
Environmental Conditions	
Temperature:	25°C
Relative Humidity:	55%
Test Voltage:	DC 3.8V
Test Engineer:	Yan zhen ming
Note: For a more detailed features description, please refer to the report TBR-C-202312-0233-23 The report only show the worst case data.	

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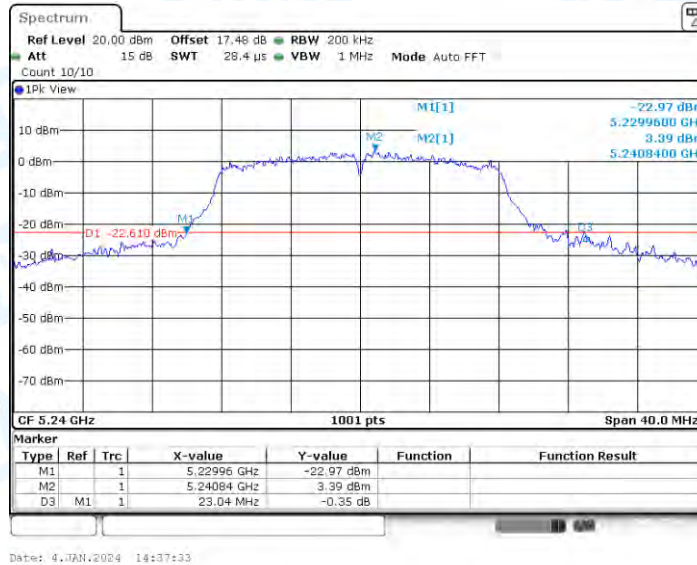
1. Emission Bandwidth

1.1. Test Result

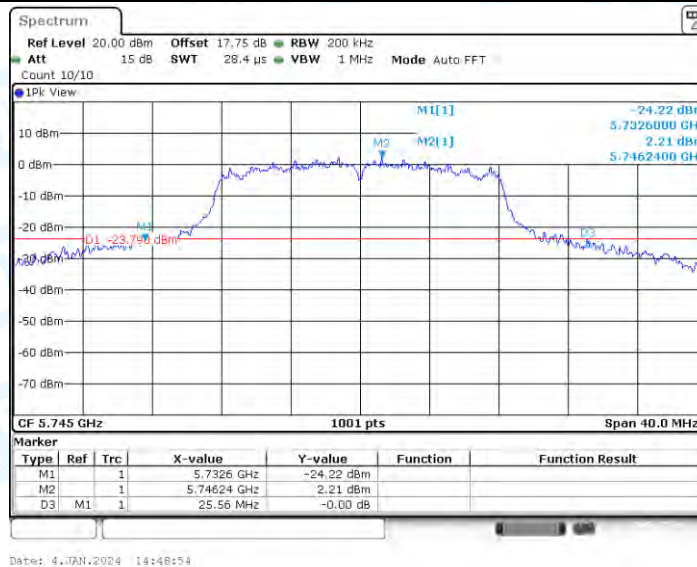
TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.00	5170.08	5190.08	---	---
		5200	19.76	5190.04	5209.80	---	---
		5240	23.04	5229.96	5253.00	---	---
		5745	25.56	5732.60	5758.16	---	---
		5785	28.08	5770.24	5798.32	---	---
		5825	24.56	5812.64	5837.20	---	---
11N20SISO	Ant1	5180	21.72	5168.24	5189.96	---	---
		5200	20.60	5189.48	5210.08	---	---
		5240	22.04	5228.24	5250.28	---	---
		5745	26.68	5731.52	5758.20	---	---
		5785	32.56	5768.12	5800.68	---	---
		5825	23.88	5812.40	5836.28	---	---
11N40SISO	Ant1	5190	53.04	5157.36	5210.40	---	---
		5230	62.96	5190.80	5253.76	---	---
		5755	66.88	5720.84	5787.72	---	---
		5795	65.12	5763.00	5828.12	---	---
11AC20SISO	Ant1	5180	20.04	5169.88	5189.92	---	---
		5200	21.24	5188.72	5209.96	---	---
		5240	26.84	5227.16	5254.00	---	---
		5745	33.40	5727.92	5761.32	---	---
		5785	35.16	5767.80	5802.96	---	---
		5825	32.40	5808.96	5841.36	---	---
11AC40SISO	Ant1	5190	60.48	5154.48	5214.96	---	---
		5230	40.64	5209.68	5250.32	---	---
		5755	65.28	5719.40	5784.68	---	---
		5795	55.12	5765.72	5820.84	---	---
11AC80SISO	Ant1	5210	113.28	5157.68	5270.96	---	---
		5775	100.80	5719.80	5820.60	---	---

2.1. Test Graphs

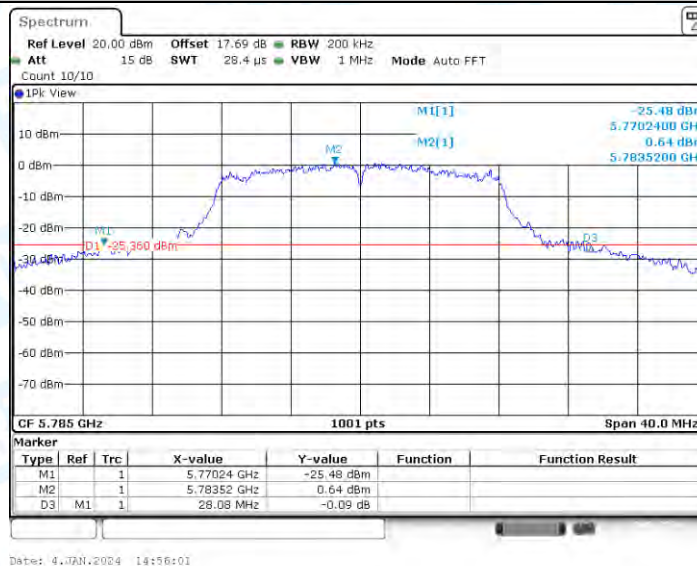




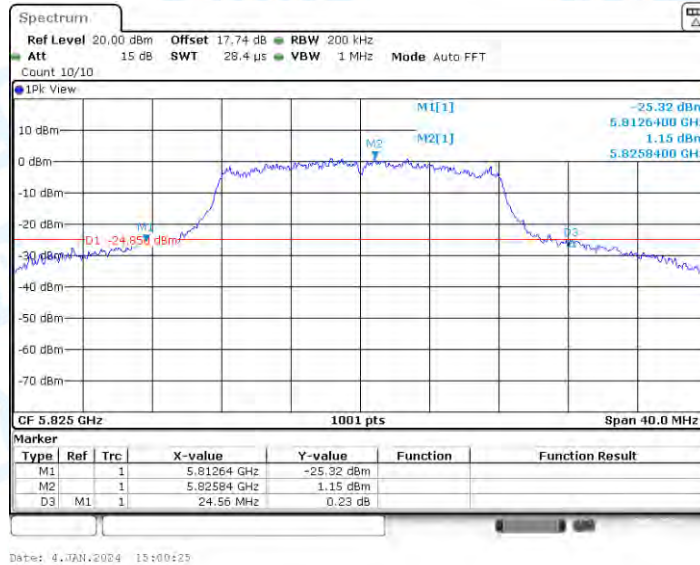
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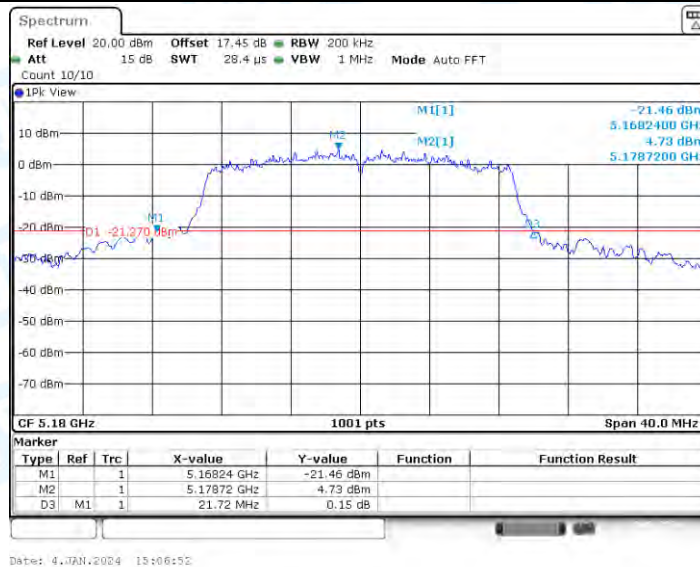
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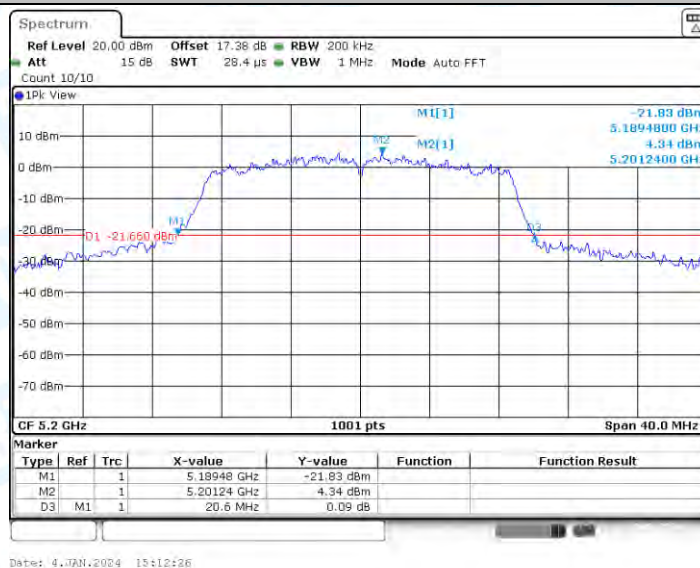
11A_Ant1_5825



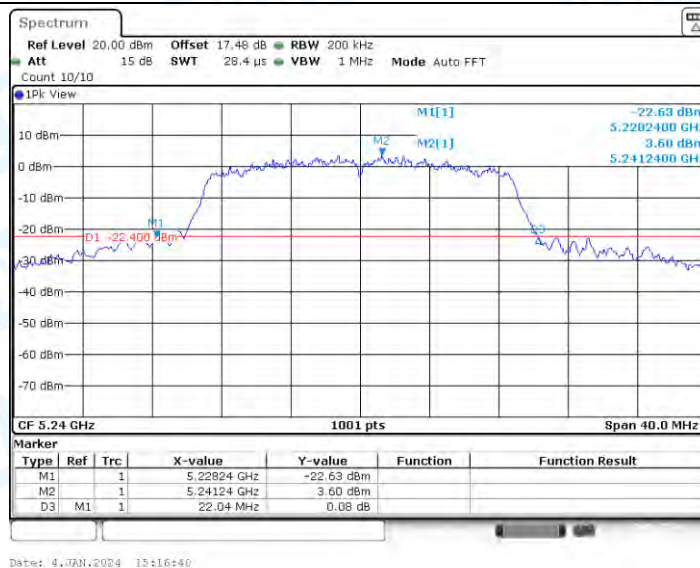
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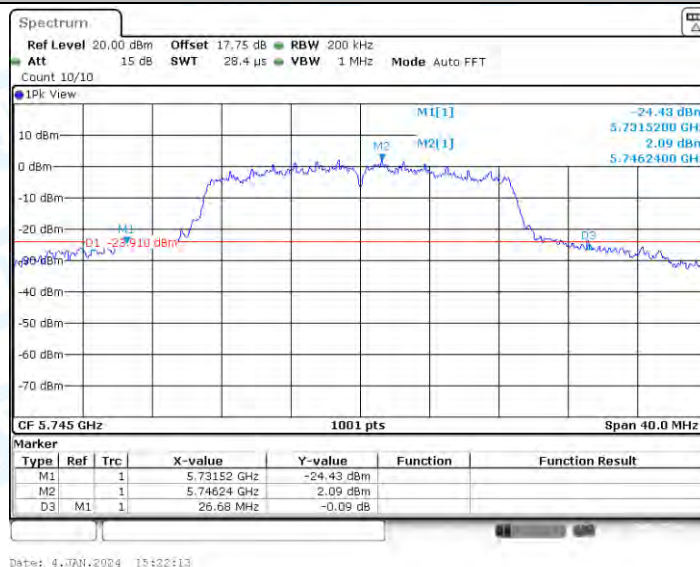
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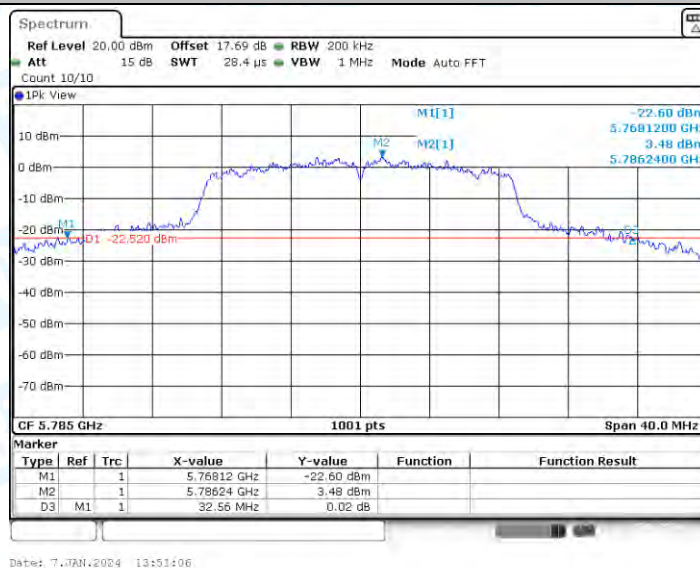
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11N20SISO_Ant1_5745



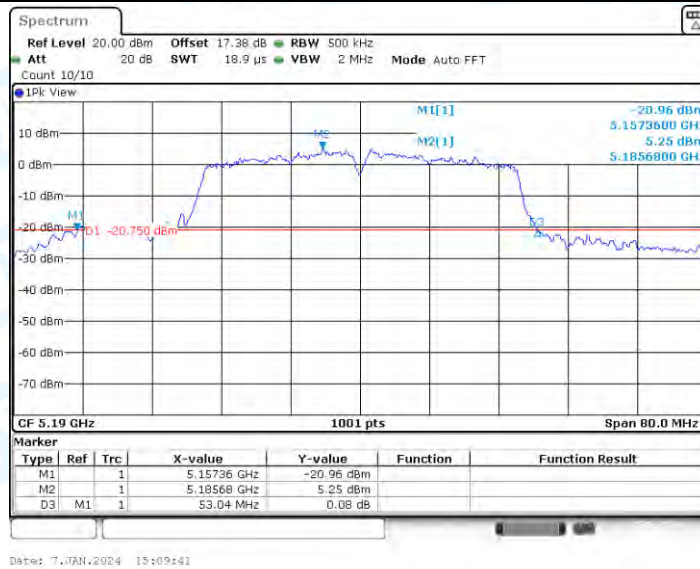
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11N20SISO_Ant1_5825



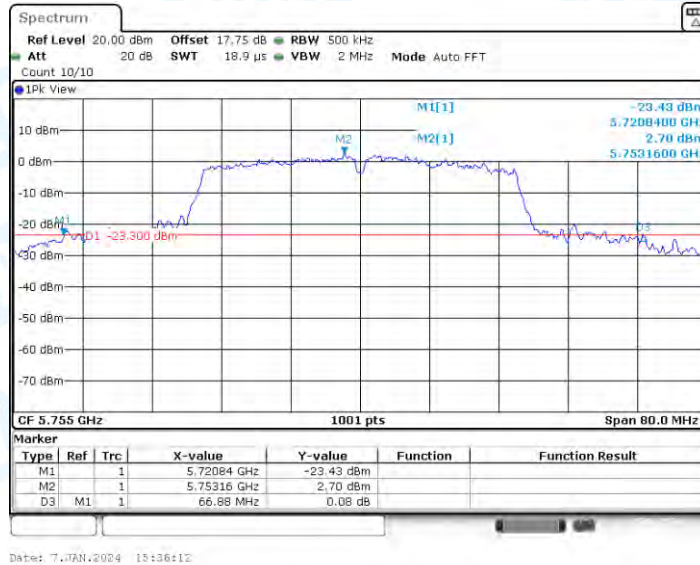
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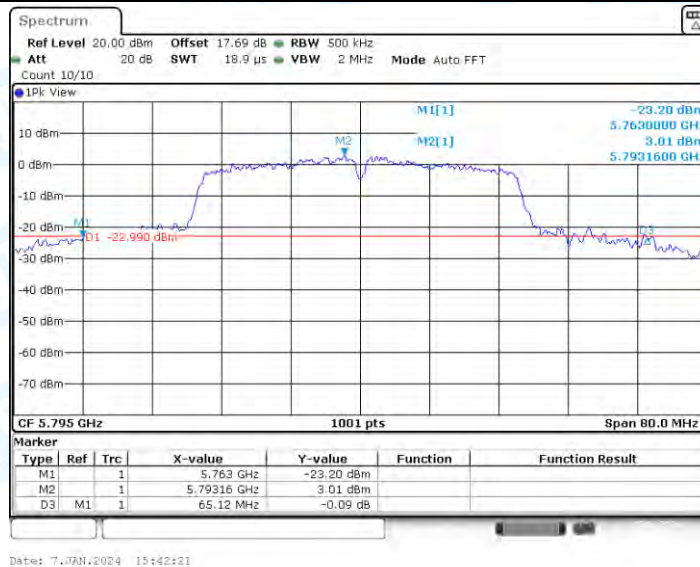
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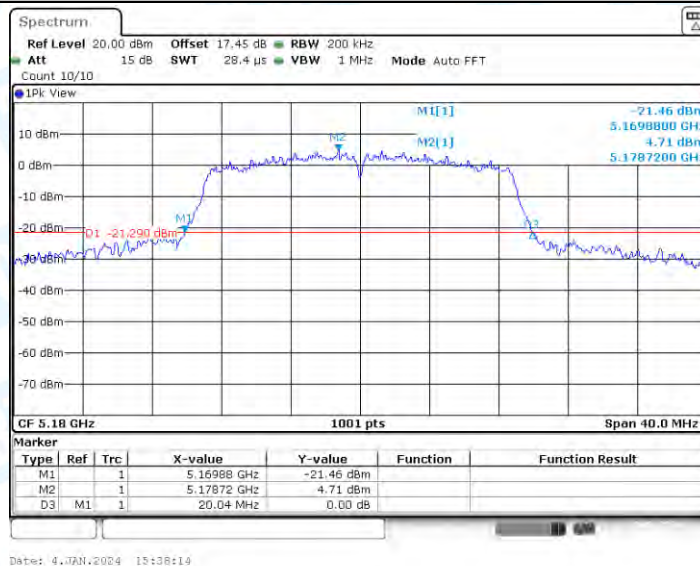
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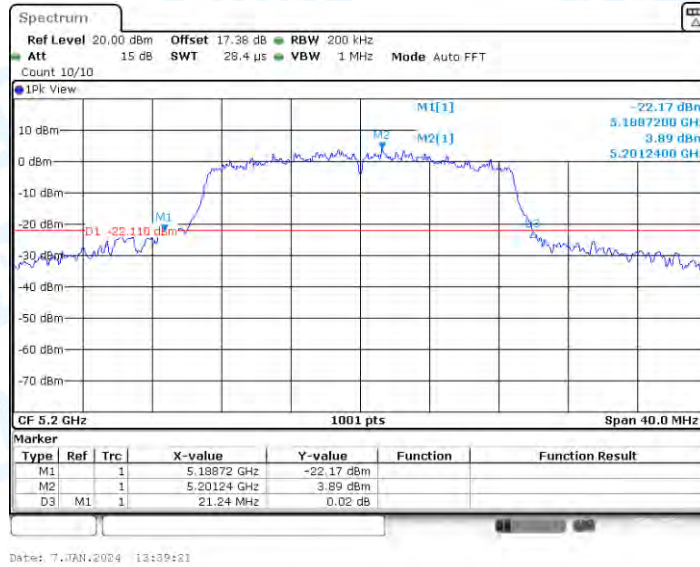
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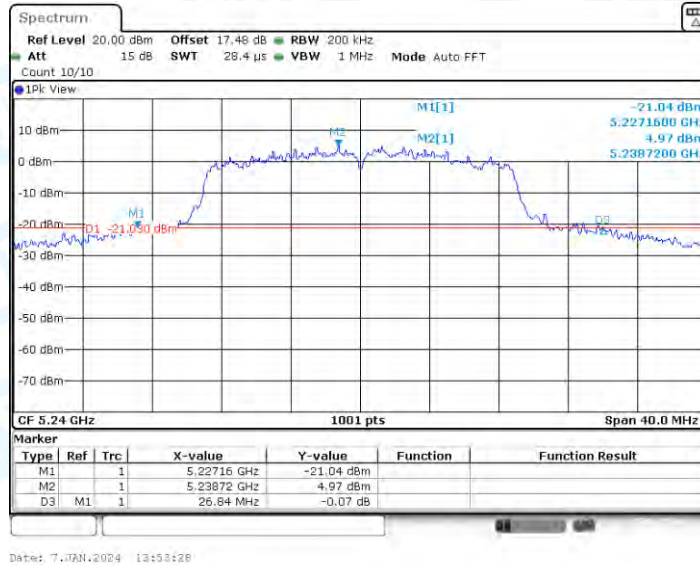
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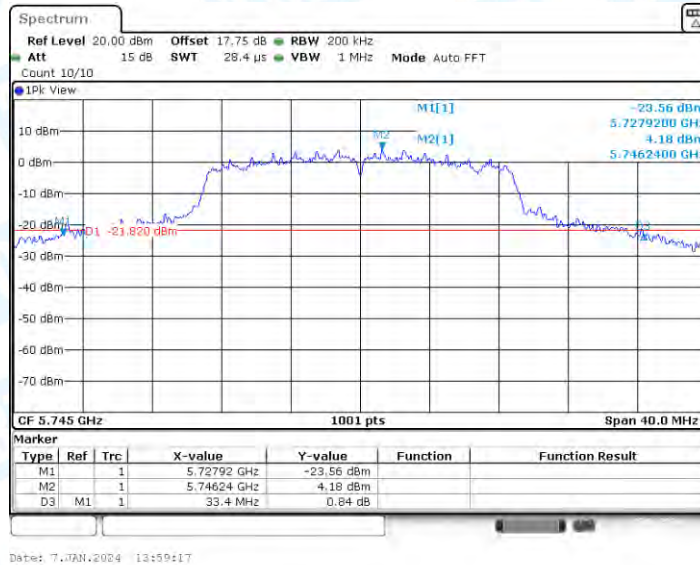
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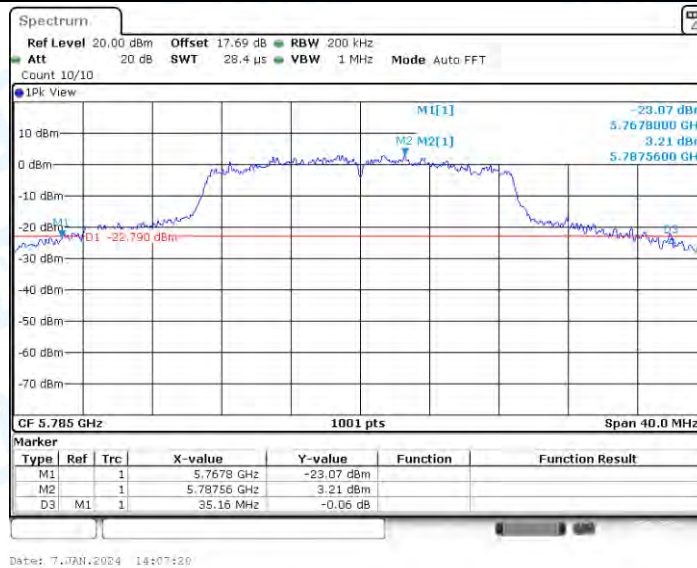
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11AC20SISO_Ant1_5745



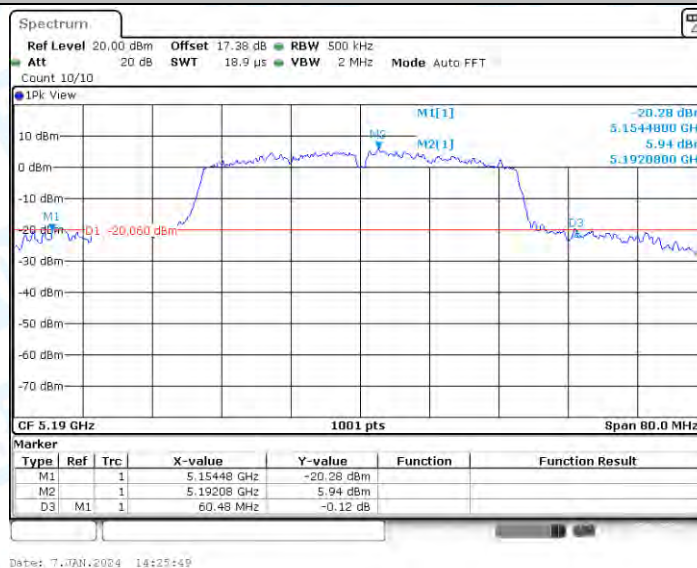
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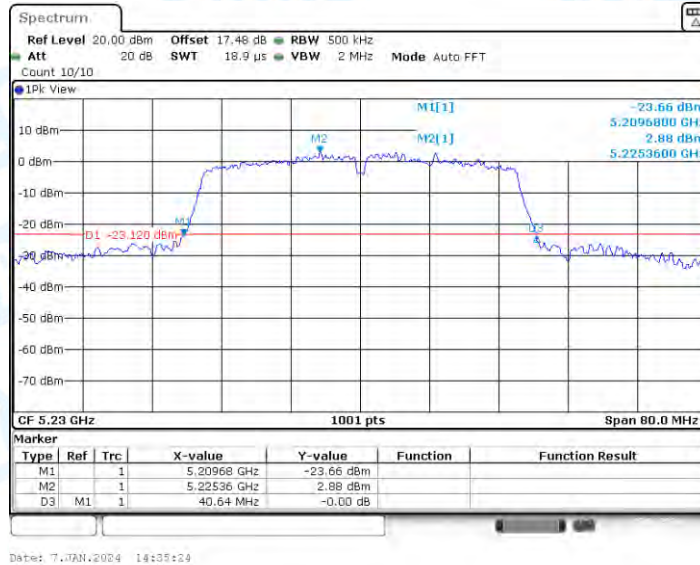
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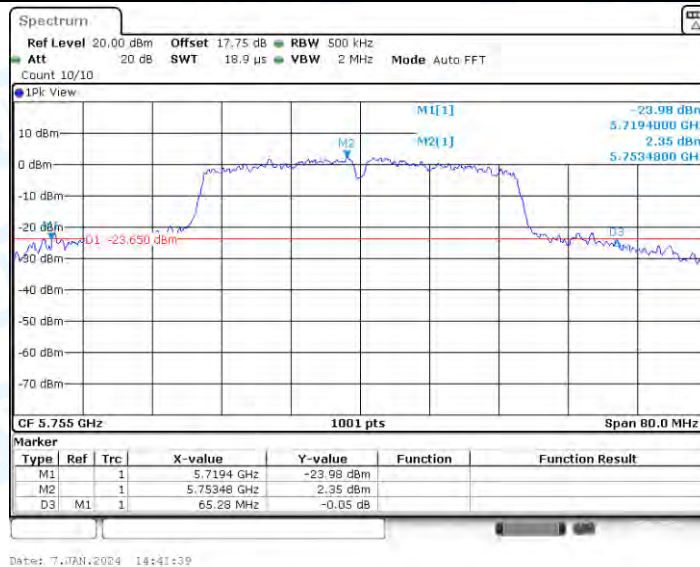
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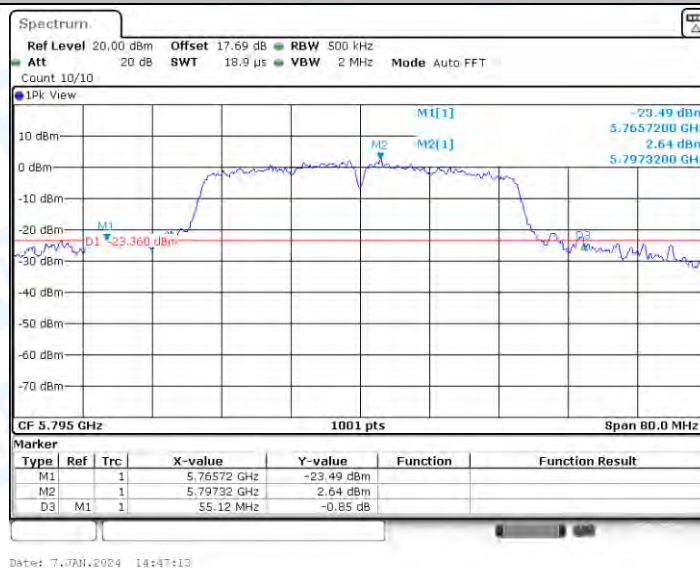
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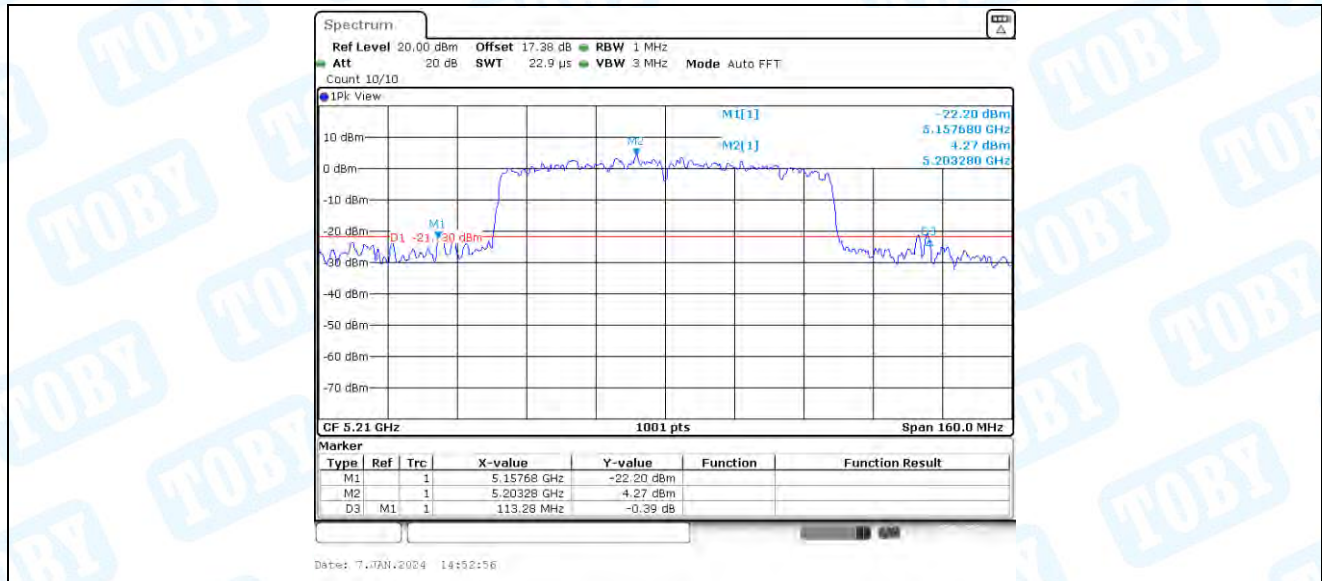
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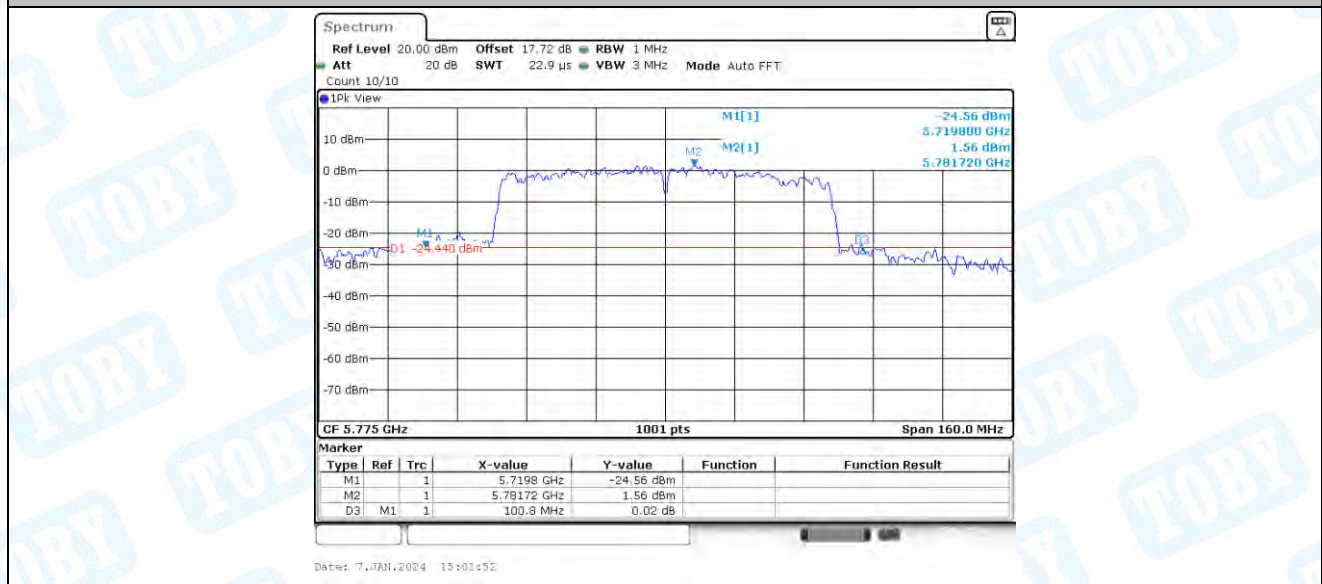
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



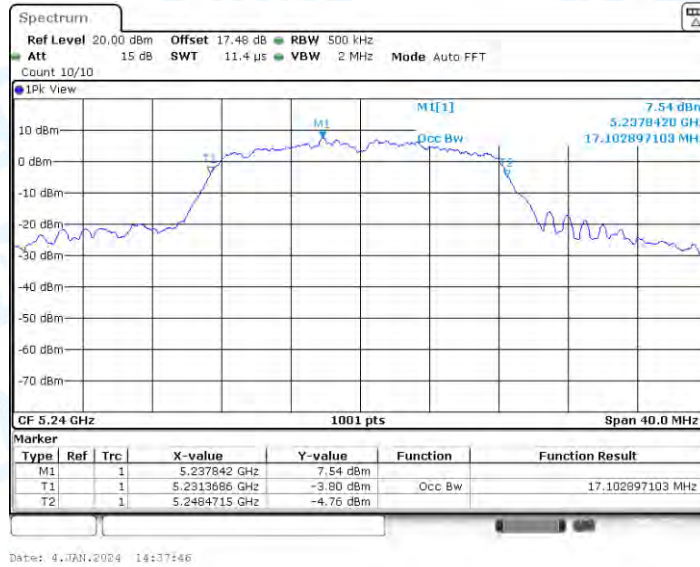
2. Occupied channel bandwidth

2.1. Test Result

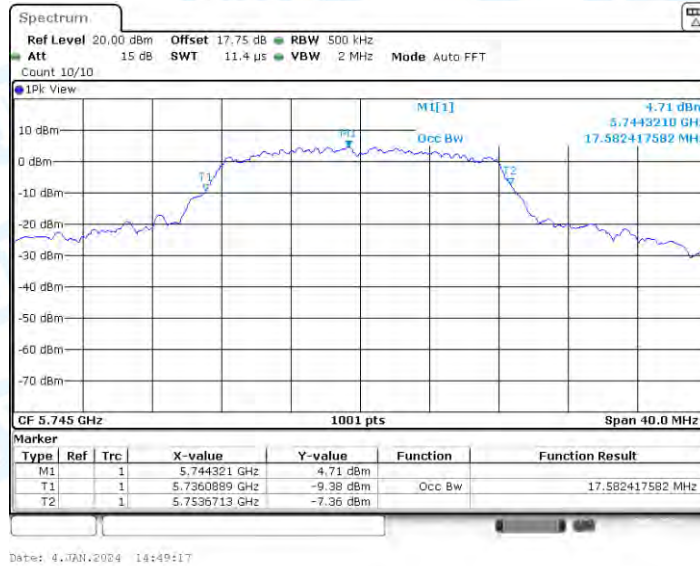
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.023	5171.4885	5188.5115	---	---
		5200	17.143	5191.3686	5208.5115	---	---
		5240	17.103	5231.3686	5248.4715	---	---
		5745	17.582	5736.0889	5753.6713	---	---
		5785	17.463	5776.3686	5793.8312	---	---
		5825	17.502	5816.2887	5833.7912	---	---
11N20SISO	Ant1	5180	17.982	5171.0490	5189.0310	---	---
		5200	18.142	5190.8492	5208.9910	---	---
		5240	18.062	5230.9291	5248.9910	---	---
		5745	18.541	5735.6893	5754.2308	---	---
		5785	18.222	5775.8492	5794.0709	---	---
		5825	18.222	5815.8891	5834.1109	---	---
11N40SISO	Ant1	5190	36.444	5171.7782	5208.2218	---	---
		5230	36.683	5211.6184	5248.3017	---	---
		5755	36.523	5736.6983	5773.2218	---	---
		5795	37.163	5776.2987	5813.4615	---	---
11AC20SISO	Ant1	5180	18.062	5170.9291	5188.9910	---	---
		5200	18.142	5190.8092	5208.9510	---	---
		5240	18.741	5230.6893	5249.4306	---	---
		5745	20.02	5734.7303	5754.7502	---	---
		5785	19.78	5774.9301	5794.7103	---	---
		5825	19.221	5815.2498	5834.4705	---	---
11AC40SISO	Ant1	5190	36.523	5171.6983	5208.2218	---	---
		5230	36.364	5211.7782	5248.1419	---	---
		5755	36.523	5736.6184	5773.1419	---	---
		5795	36.523	5776.6184	5813.1419	---	---
11AC80SISO	Ant1	5210	75.924	5171.9580	5247.8821	---	---
		5775	76.404	5736.4785	5812.8821	---	---

2.2. Test Graphs





11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



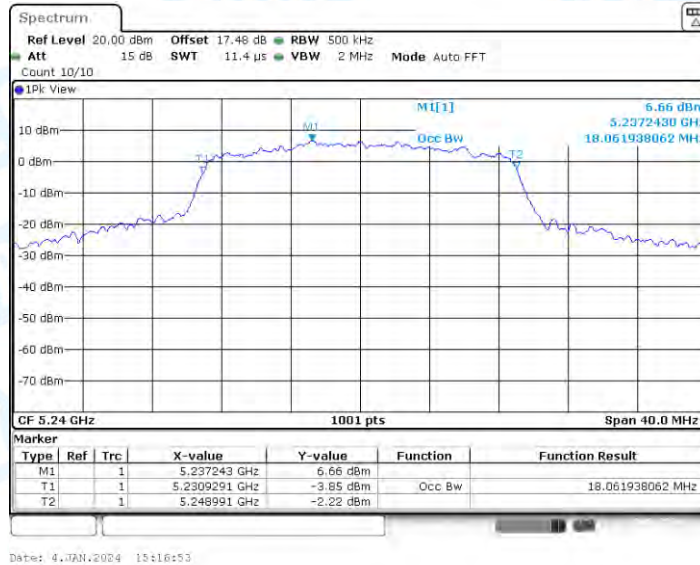
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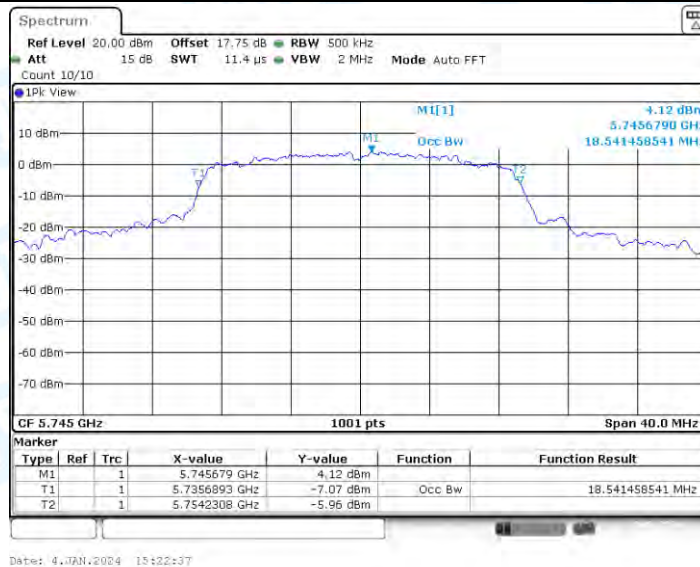
11N20SISO_Ant1_5200



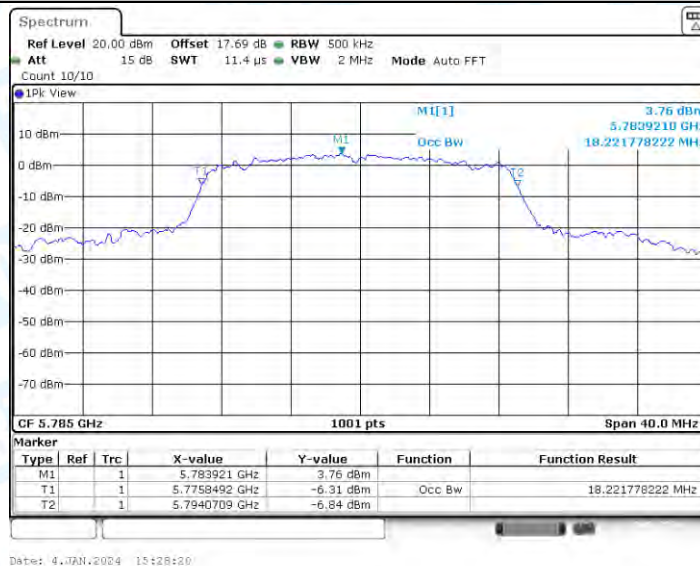
11N20SISO_Ant1_5240



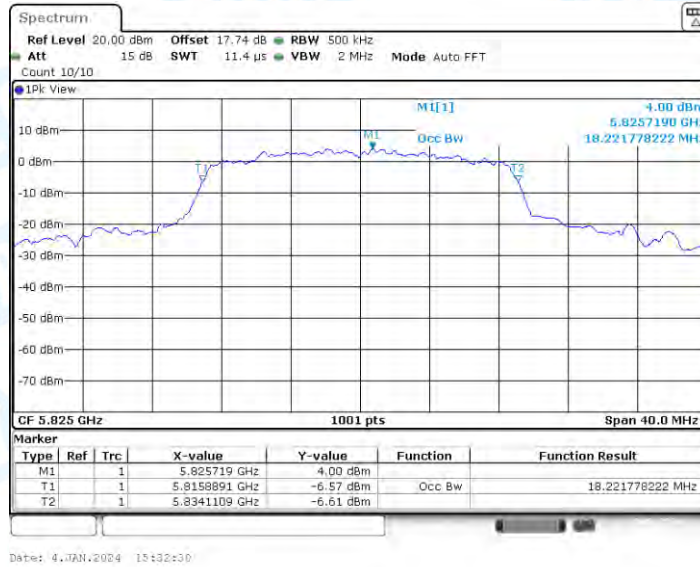
11N20SISO_Ant1_5745



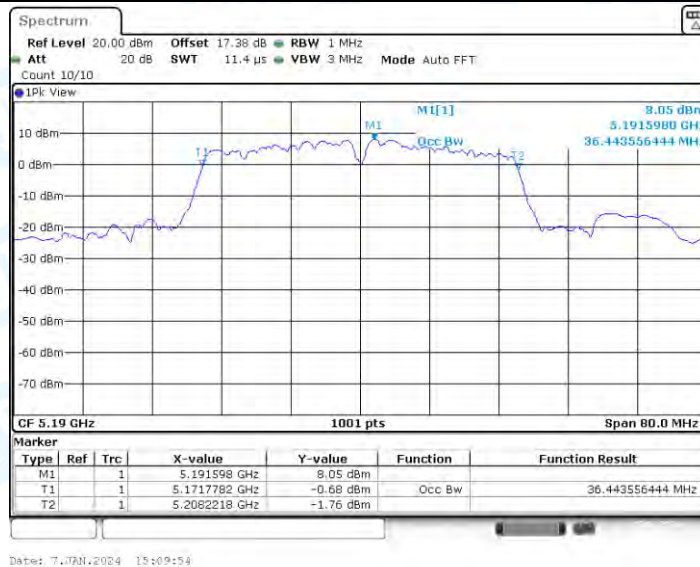
11N20SISO_Ant1_5785



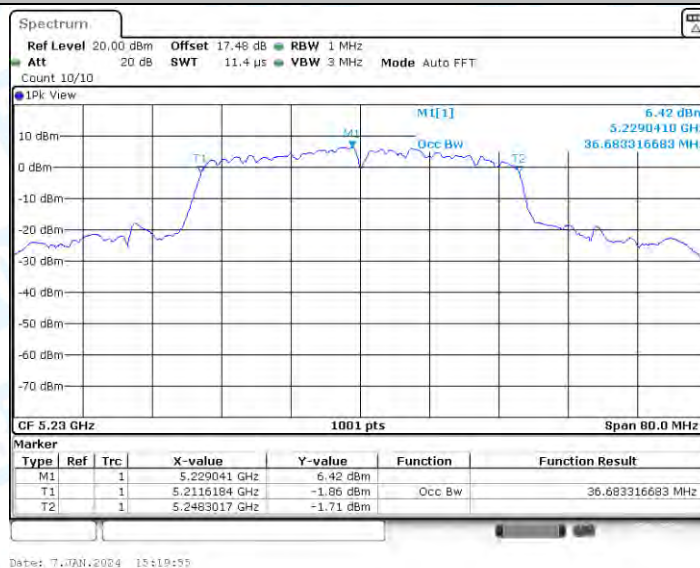
11N20SISO_Ant1_5825



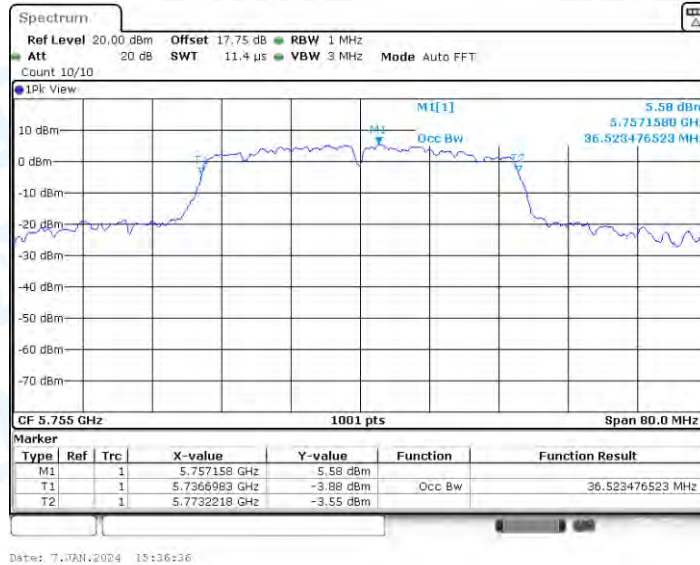
11N40SISO_Ant1_5190



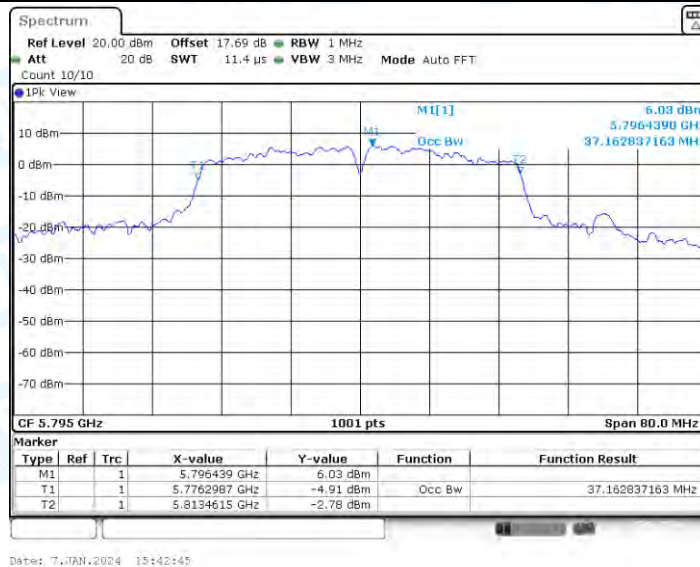
11N40SISO_Ant1_5230



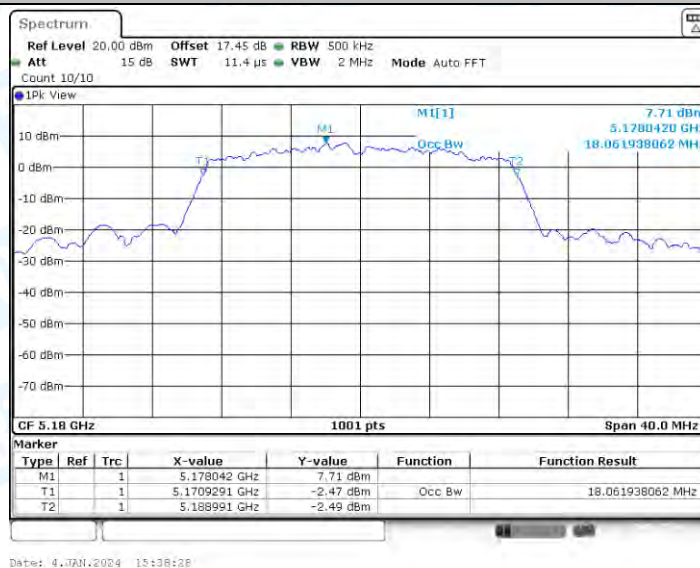
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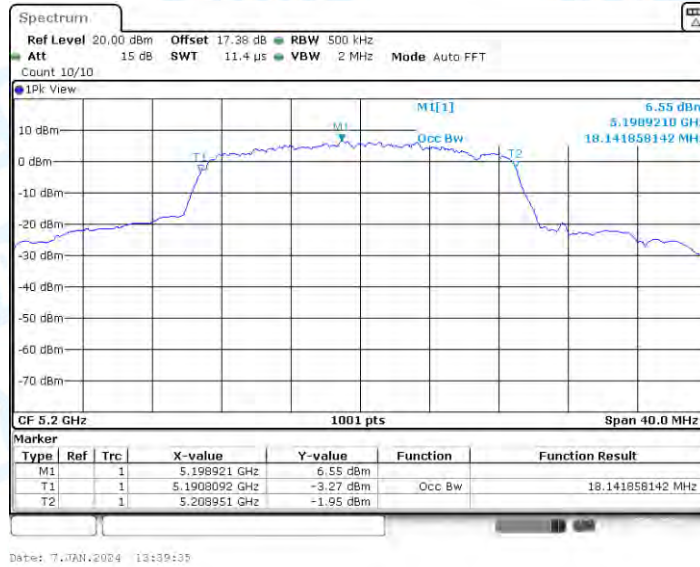
11N40SISO_Ant1_5795



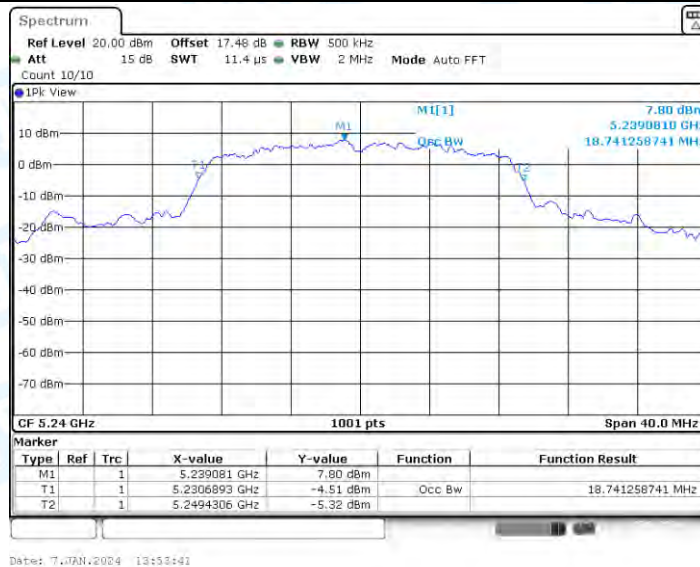
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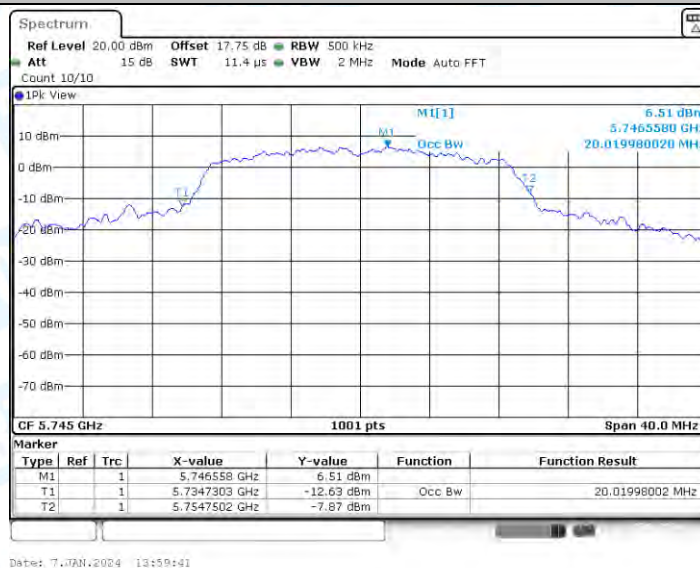
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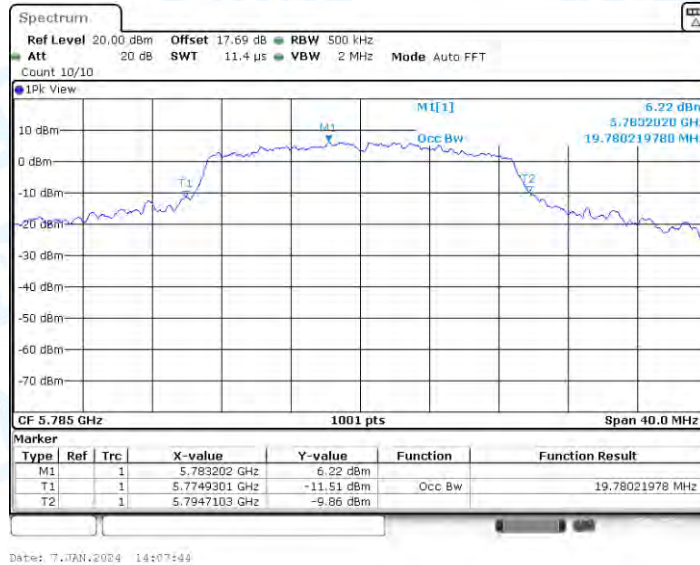
11AC20SISO_Ant1_5240



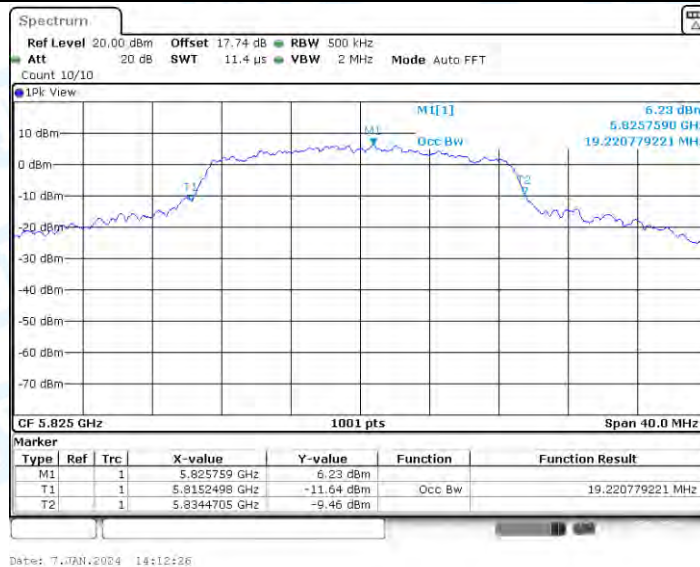
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



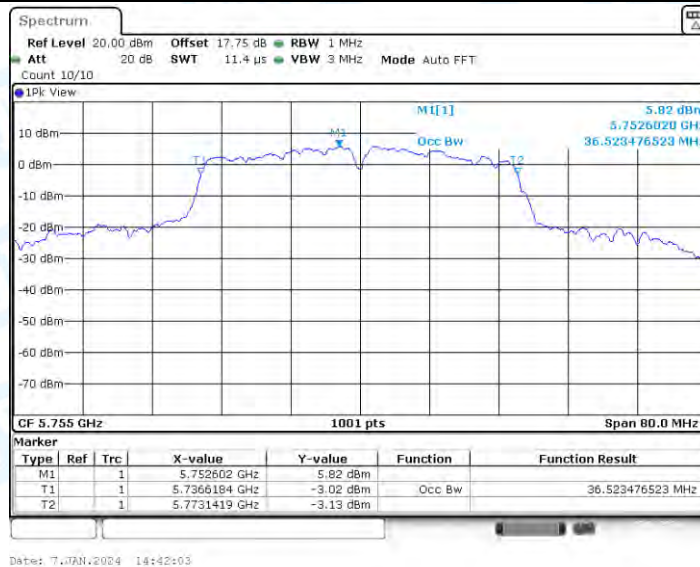
11AC40SISO_Ant1_5190



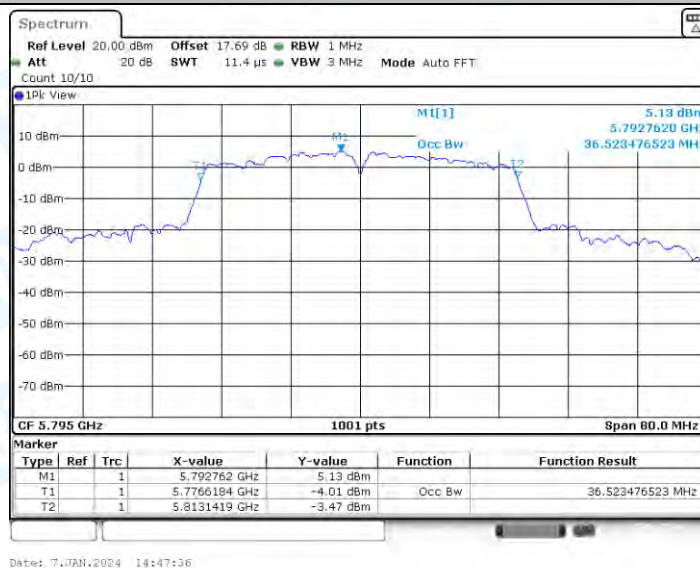
11AC40SISO_Ant1_5230



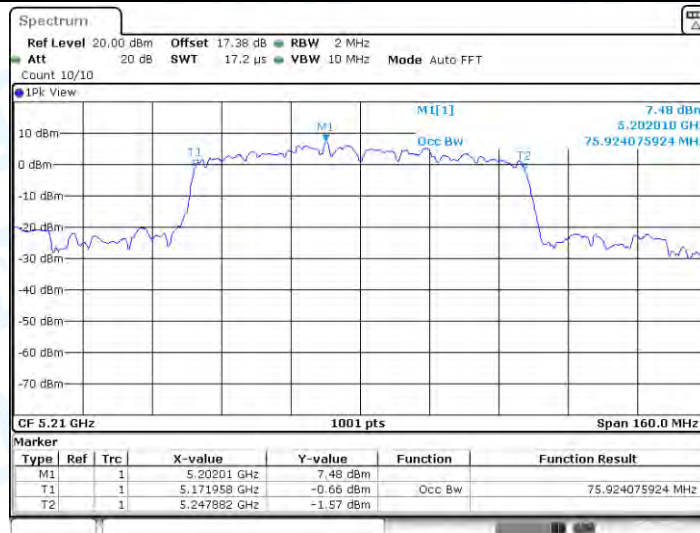
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795

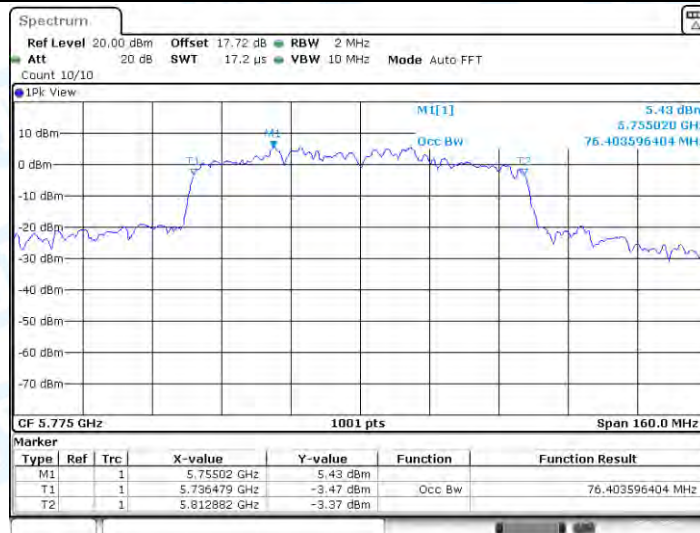


11AC80SISO_Ant1_5210



Date: 7.JAN.2024 14:53:09

11AC80SISO_Ant1_5775



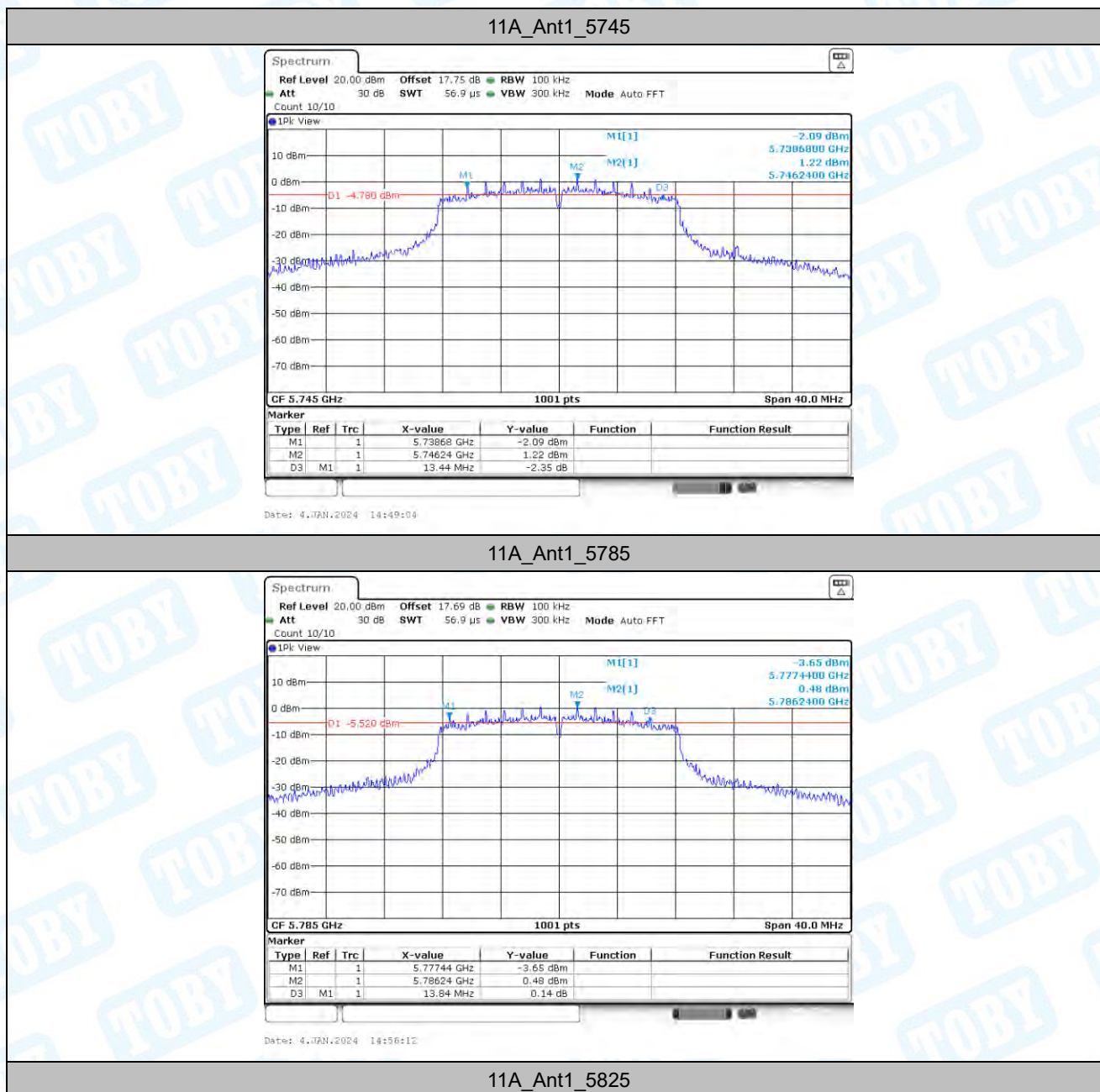
Date: 7.JAN.2024 15:02:16

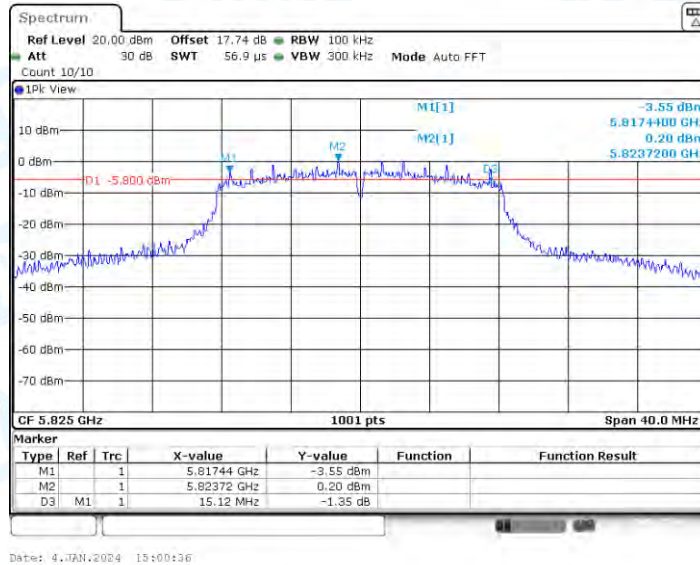
3. Min emission bandwidth

3.1. Test Result

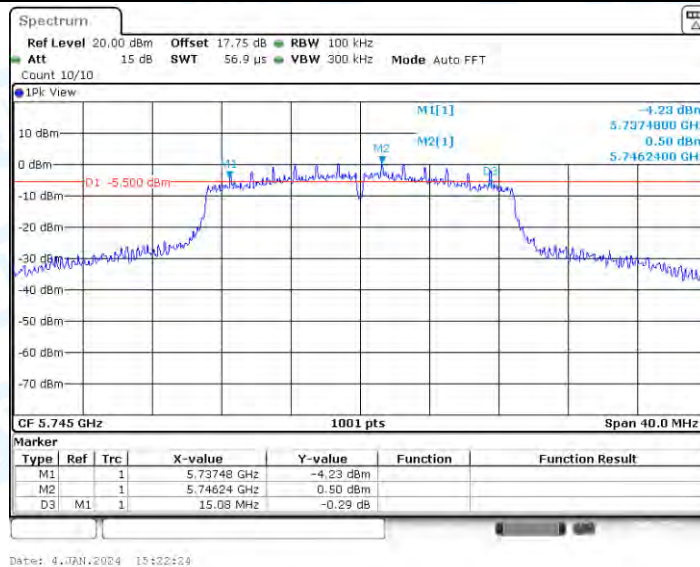
TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	13.44	5738.68	5752.12	0.5	PASS
		5785	13.84	5777.44	5791.28	0.5	PASS
		5825	15.12	5817.44	5832.56	0.5	PASS
11N20SISO	Ant1	5745	15.08	5737.48	5752.56	0.5	PASS
		5785	15.12	5777.44	5792.56	0.5	PASS
		5825	15.04	5817.52	5832.56	0.5	PASS
11N40SISO	Ant1	5755	35.12	5737.40	5772.52	0.5	PASS
		5795	35.12	5777.40	5812.52	0.5	PASS
11AC20SISO	Ant1	5745	15.12	5737.44	5752.56	0.5	PASS
		5785	15.12	5777.44	5792.56	0.5	PASS
		5825	15.12	5817.44	5832.56	0.5	PASS
11AC40SISO	Ant1	5755	35.12	5737.40	5772.52	0.5	PASS
		5795	35.12	5777.40	5812.52	0.5	PASS
11AC80SISO	Ant1	5775	73.92	5738.68	5812.60	0.5	PASS

3.2. Test Graphs

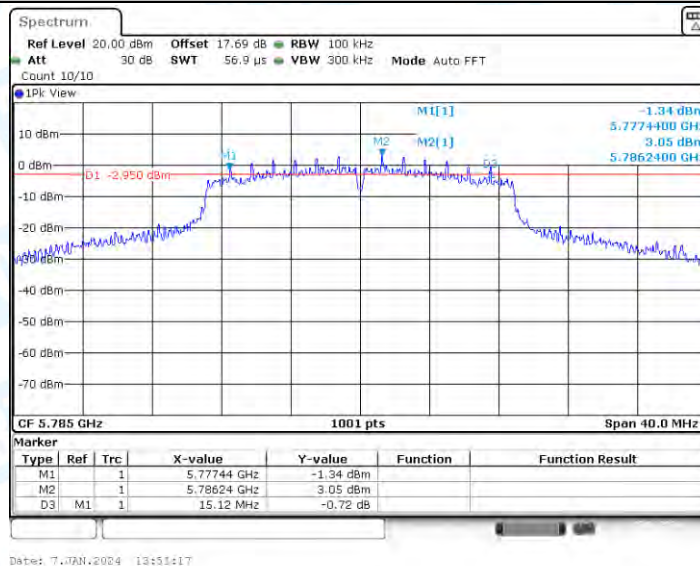




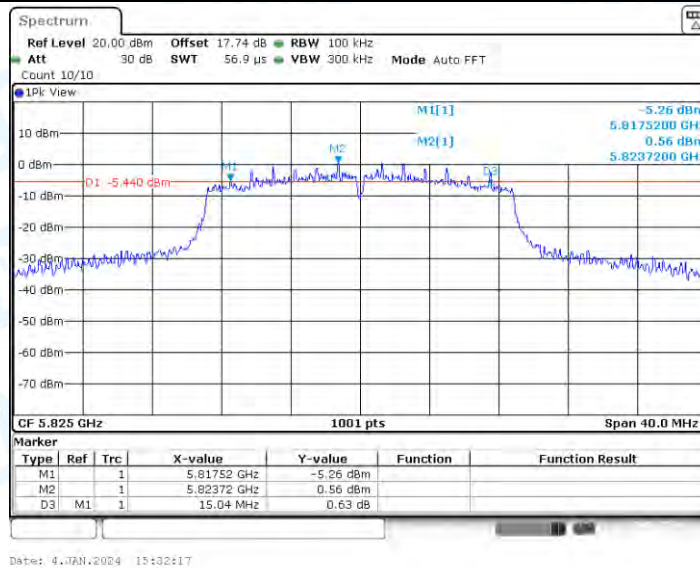
11N20SISO_Ant1_5745



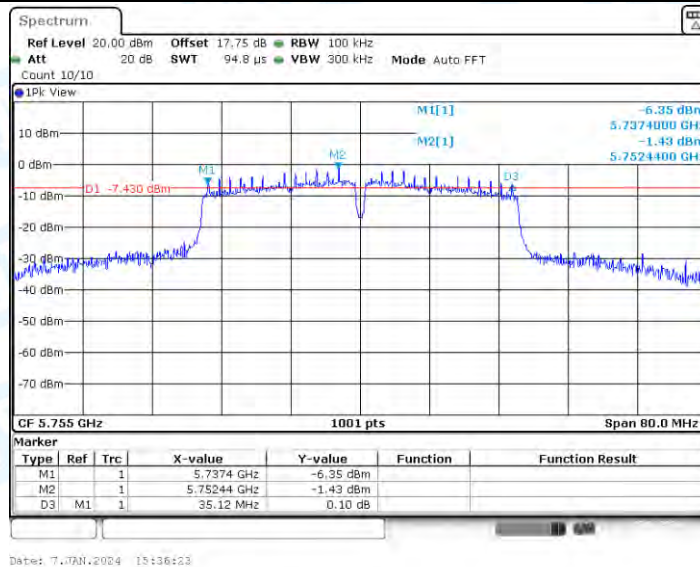
11N20SISO_Ant1_5785



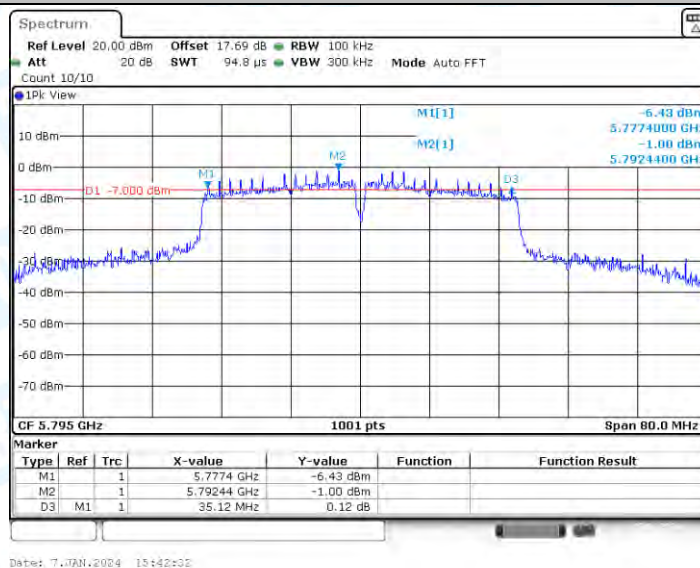
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11N40SISO_Ant1_5755



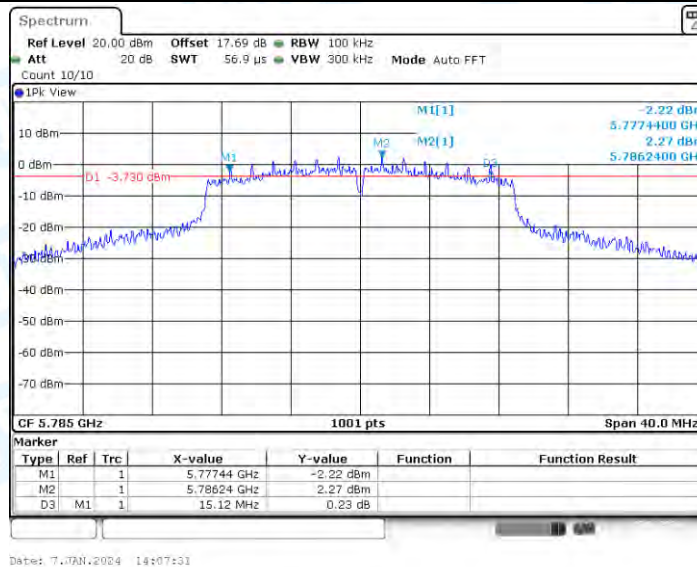
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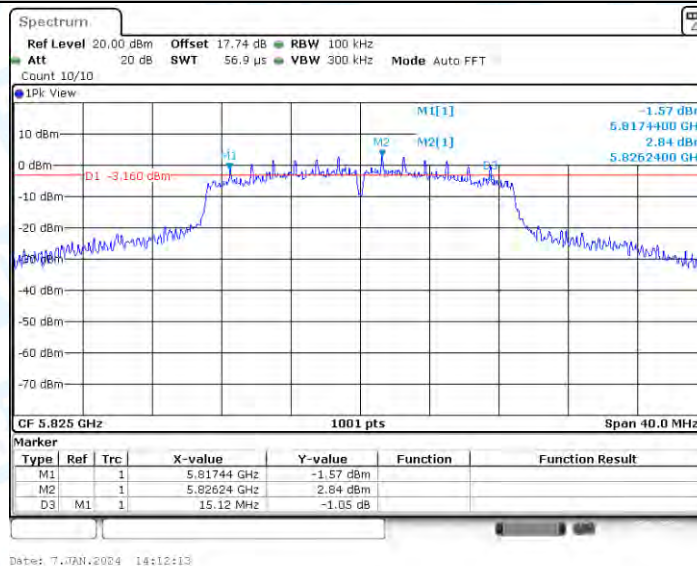
11AC20SISO_Ant1_5745



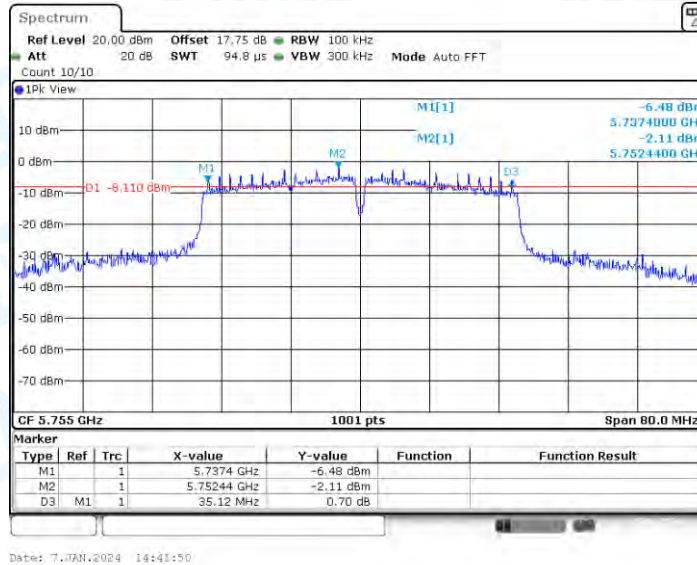
11AC20SISO_Ant1_5785



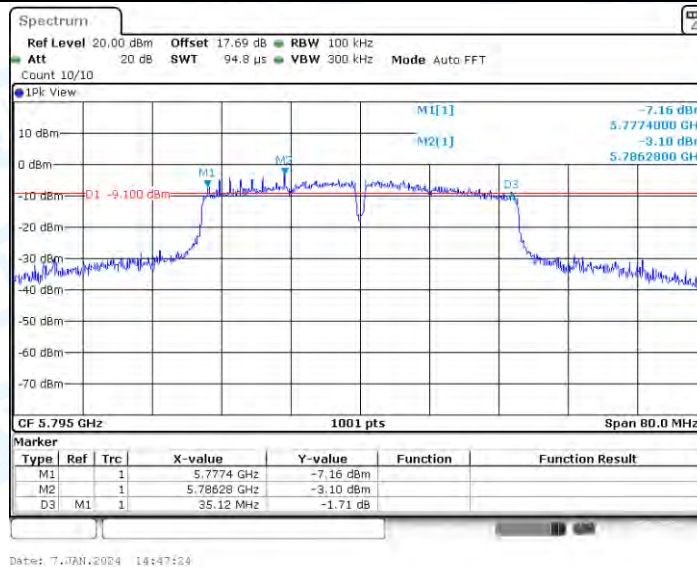
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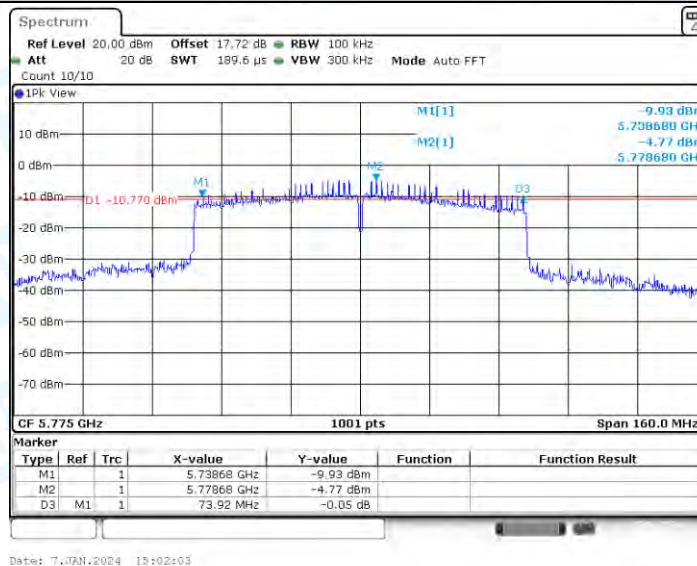
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



4. Maximum conducted output power

4.1. Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	13.27	≤23.98	PASS
		5200	13.28	≤23.98	PASS
		5240	12.69	≤23.98	PASS
		5745	12.04	≤30.00	PASS
		5785	12.67	≤30.00	PASS
		5825	12.24	≤30.00	PASS
11N20SISO	Ant1	5180	13.39	≤23.98	PASS
		5200	13.16	≤23.98	PASS
		5240	12.48	≤23.98	PASS
		5745	13.78	≤30.00	PASS
		5785	12.54	≤30.00	PASS
		5825	13.28	≤30.00	PASS
11N40SISO	Ant1	5190	13.71	≤23.98	PASS
		5230	11.97	≤23.98	PASS
		5755	11.35	≤30.00	PASS
		5795	11.65	≤30.00	PASS
11AC20SISO	Ant1	5180	13.33	≤23.98	PASS
		5200	13.29	≤23.98	PASS
		5240	13.45	≤23.98	PASS
		5745	12.84	≤30.00	PASS
		5785	12.58	≤30.00	PASS
		5825	12.28	≤30.00	PASS
11AC40SISO	Ant1	5190	12.78	≤23.98	PASS
		5230	12.04	≤23.98	PASS
		5755	11.37	≤30.00	PASS
		5795	11.16	≤30.00	PASS
11AC80SISO	Ant1	5210	12.67	≤23.98	PASS
		5775	10.96	≤30.00	PASS

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

5. Maximum power spectral density

5.1. Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	3.86	≤11.00	PASS
		5200	3.16	≤11.00	PASS
		5240	2.55	≤11.00	PASS
		5745	-0.58	≤30.00	PASS
		5785	-0.13	≤30.00	PASS
		5825	-1.34	≤30.00	PASS
11N20SISO	Ant1	5180	3.42	≤11.00	PASS
		5200	3.38	≤11.00	PASS
		5240	2.14	≤11.00	PASS
		5745	1.01	≤30.00	PASS
		5785	-0.60	≤30.00	PASS
		5825	0.52	≤30.00	PASS
11N40SISO	Ant1	5190	0.37	≤11.00	PASS
		5230	-1.18	≤11.00	PASS
		5755	-4.57	≤30.00	PASS
		5795	-4.25	≤30.00	PASS
11AC20SISO	Ant1	5180	3.20	≤11.00	PASS
		5200	2.09	≤11.00	PASS
		5240	3.04	≤11.00	PASS
		5745	-0.18	≤30.00	PASS
		5785	-0.33	≤30.00	PASS
		5825	-0.83	≤30.00	PASS
11AC40SISO	Ant1	5190	-0.32	≤11.00	PASS
		5230	-1.37	≤11.00	PASS
		5755	-4.56	≤30.00	PASS
		5795	-5.05	≤30.00	PASS
11AC80SISO	Ant1	5210	-3.91	≤11.00	PASS
		5775	-8.11	≤30.00	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.

5.2. Test Graphs

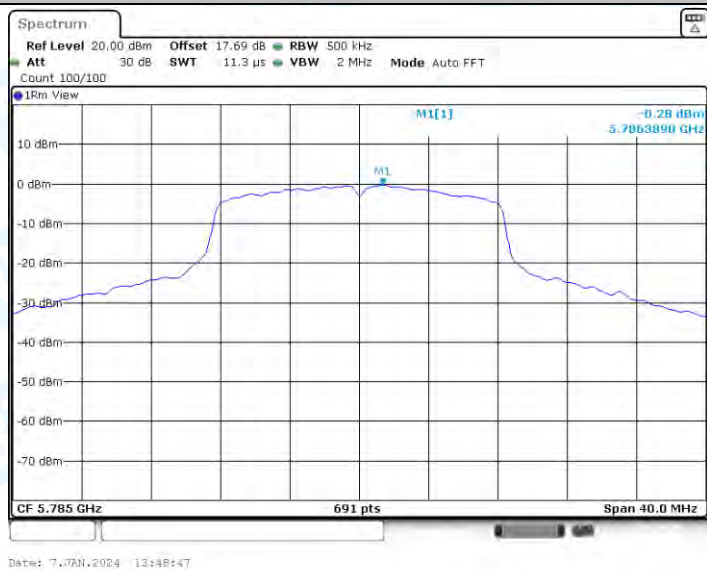




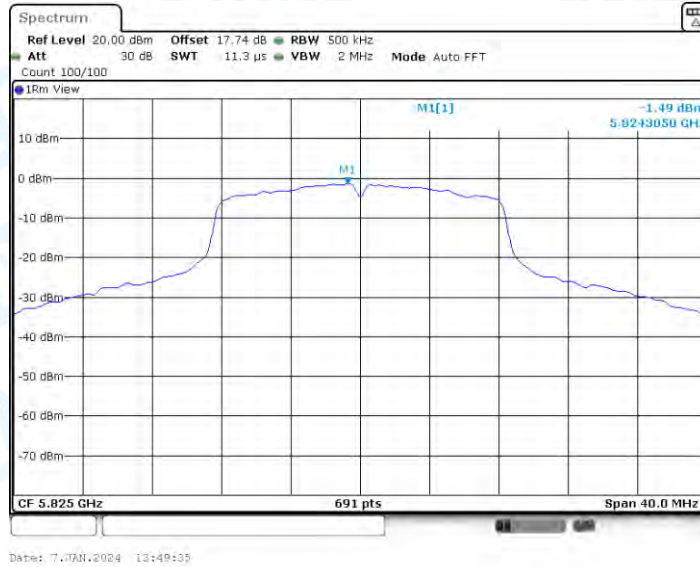
11A_Ant1_5745



11A_Ant1_5785



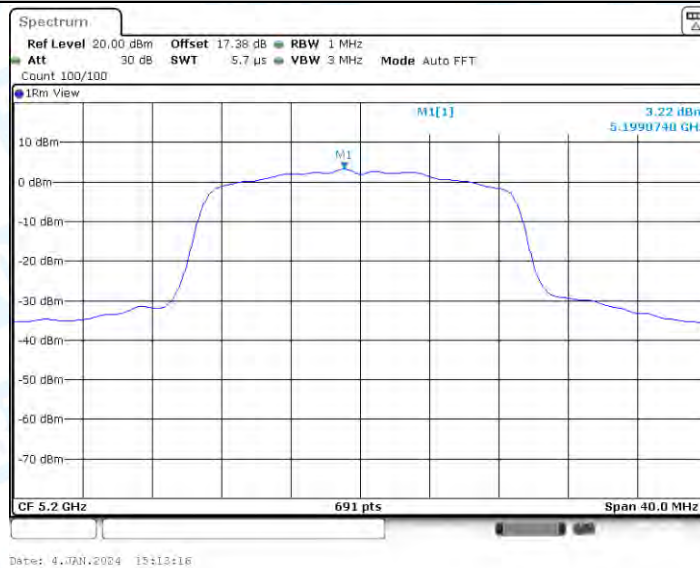
11A_Ant1_5825



11N20SISO_Ant1_5180



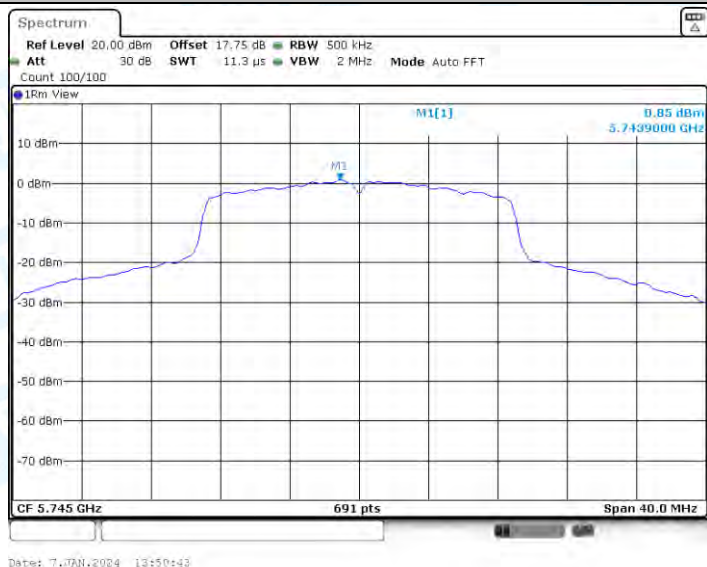
11N20SISO_Ant1_5200



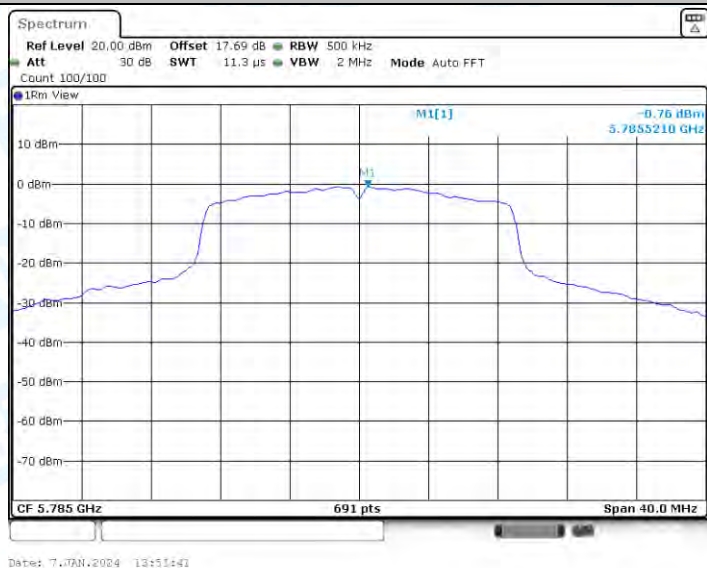
11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



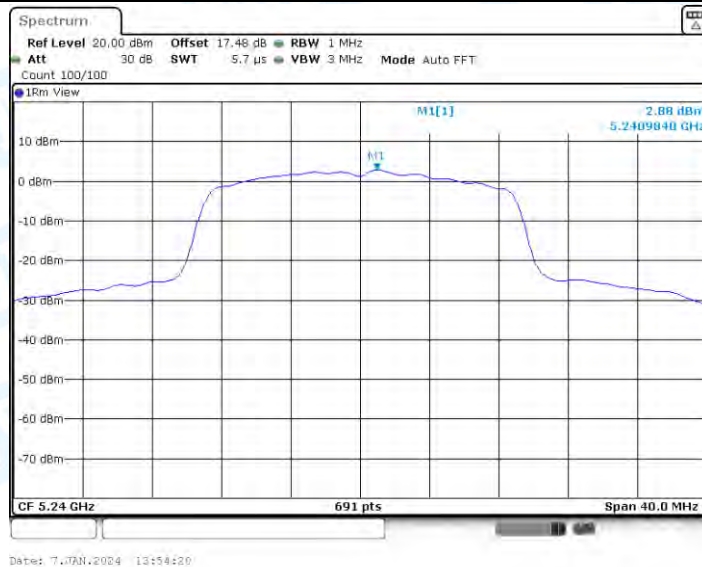
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11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



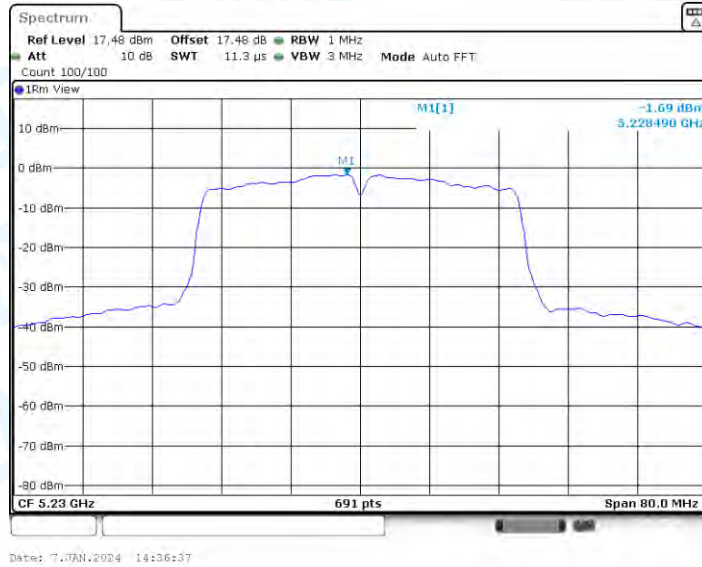
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190



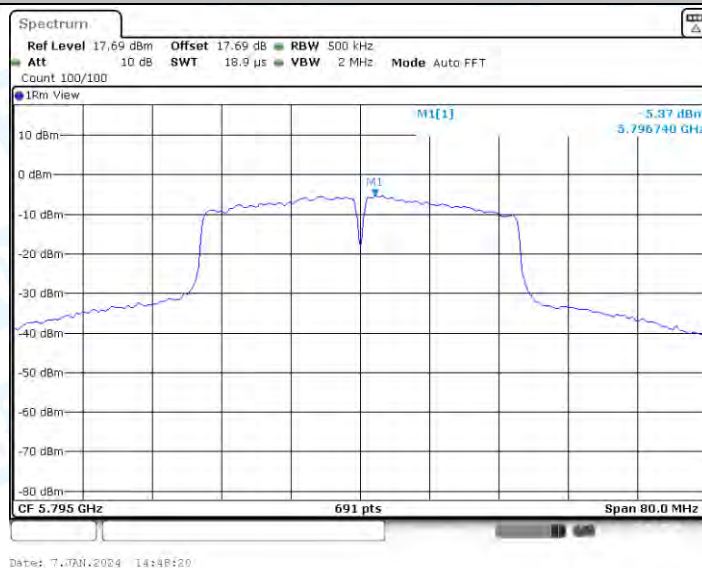
11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



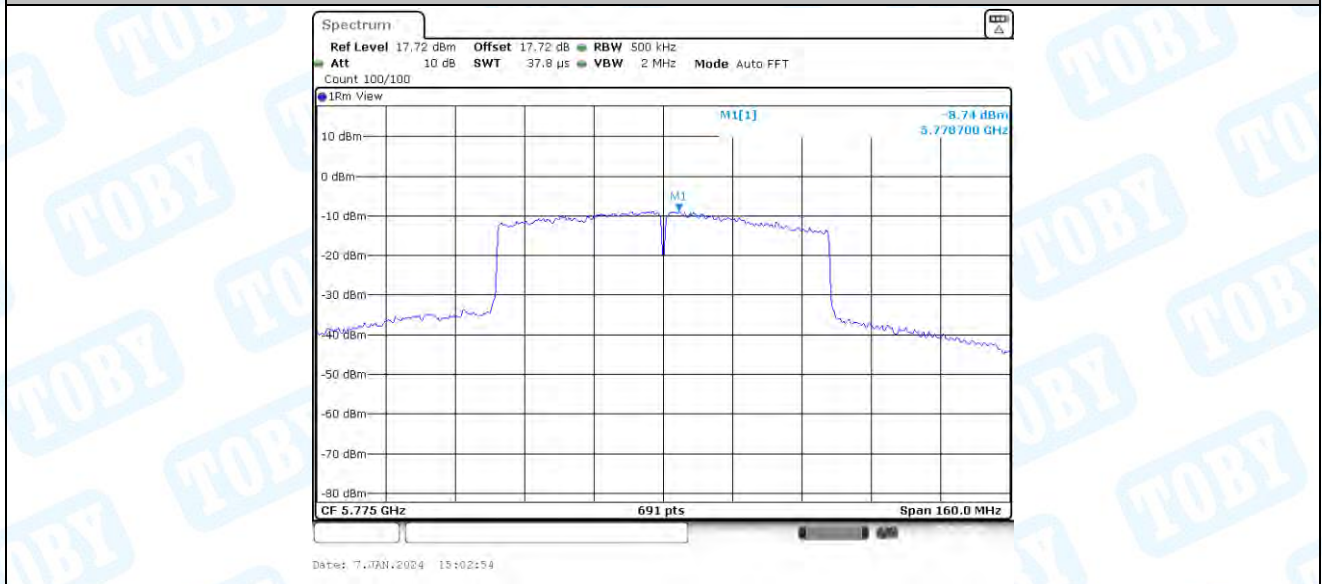
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



6. Band edge measurements

6.1. Test Result

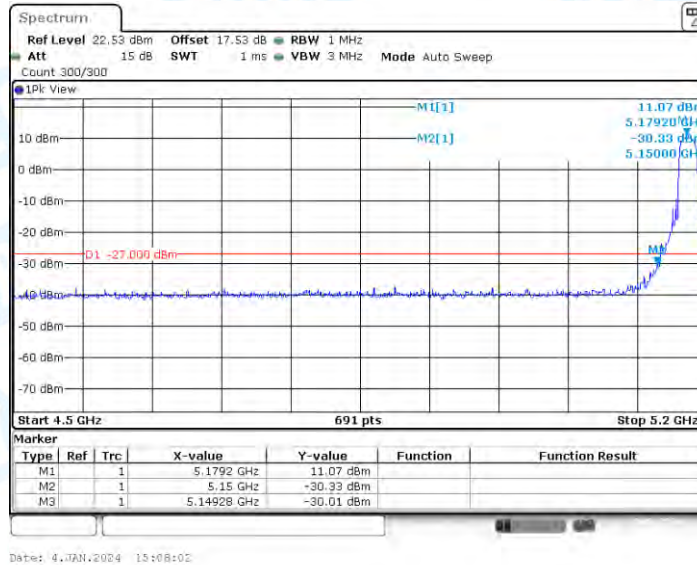
TestMode	Antenna	ChName	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-32.02	≤-27	PASS
		High	5240	-42.29	≤-27	PASS
11N20SISO	Ant1	Low	5180	-30.01	≤-27	PASS
		High	5240	-41.92	≤-27	PASS
11N40SISO	Ant1	Low	5190	-28.35	≤-27	PASS
		High	5230	-45.62	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-28.08	≤-27	PASS
		High	5240	-41.09	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-27.54	≤-27	PASS
		High	5230	-41.8	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-28.46	≤-27	PASS
		High	5210	-33.55	≤-27	PASS

TestMode	Antenna	ChName	Channel	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-39.43	≤4.20	PASS
				5700~5720	-28.51	≤15.27	PASS
				5720~5725	-22.98	≤26.24	PASS
				5760~5650	-41.99	≤-27	PASS
		High	5825	5850~5855	-31.4	≤17.14	PASS
				5855~5875	-32.95	≤10.10	PASS
				5875~5925	-39.94	≤-18.07	PASS
				5925~5935	-41.15	≤-27	PASS
11N20SISO	Ant1	Low	5745	5650~5700	-38.56	≤7.66	PASS
				5700~5720	-28.7	≤14.62	PASS
				5720~5725	-22.42	≤20.92	PASS
				5760~5650	-41.1	≤-27	PASS
		High	5825	5850~5855	-30.92	≤22.04	PASS
				5855~5875	-34.44	≤10.27	PASS
				5875~5925	-39.16	≤-11.70	PASS
				5925~5935	-40.05	≤-27	PASS
11N40SISO	Ant1	Low	5755	5650~5700	-29.15	≤9.98	PASS
				5700~5720	-19.07	≤15.53	PASS
				5720~5725	-16.26	≤25.26	PASS
				5780~5650	-42.98	≤-27	PASS
		High	5795	5850~5855	-34.9	≤16.39	PASS
				5855~5875	-35.78	≤10.64	PASS
				5875~5925	-41.76	≤-20.47	PASS
				5925~5935	-46.56	≤-27	PASS

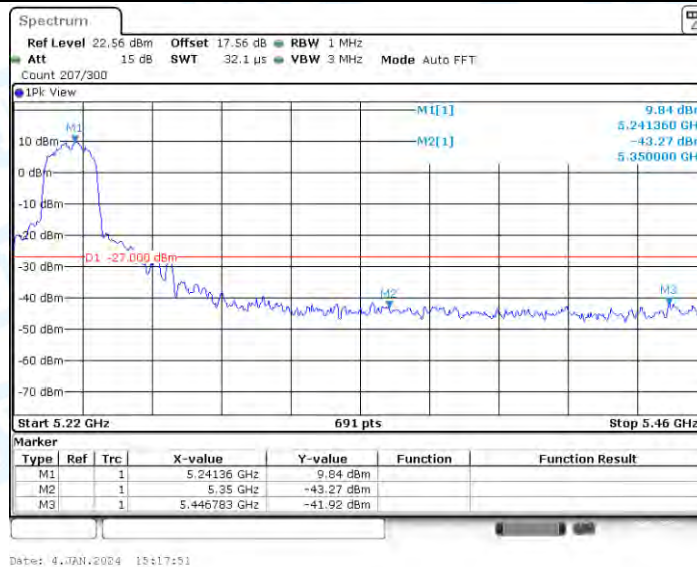
11AC20SIS O	Ant1	Low	5745	5650~5700	-34.85	≤8.40	PASS
				5700~5720	-25.62	≤15.27	PASS
				5720~5725	-15.01	≤27.00	PASS
				5760~5650	-41.72	≤-27	PASS
		High	5825	5850~5855	-24.58	≤15.80	PASS
				5855~5875	-30.64	≤10.05	PASS
				5875~5925	-38.92	≤-26.04	PASS
				5925~5935	-40.34	≤-27	PASS
11AC40SIS O	Ant1	Low	5755	5650~5700	-31.94	≤9.84	PASS
				5700~5720	-19.43	≤15.25	PASS
				5720~5725	-19.95	≤19.91	PASS
				5780~5650	-41.39	≤-27	PASS
		High	5795	5850~5855	-33.6	≤16.94	PASS
				5855~5875	-36.79	≤10.04	PASS
				5875~5925	-40.33	≤-21.35	PASS
				5925~5935	-41.15	≤-27	PASS
11AC80SIS O	Ant1	Low	5775	5650~5700	-23.28	≤7.87	PASS
				5700~5720	-19.17	≤14.54	PASS
				5720~5725	-19.38	≤23.86	PASS
				5800~5650	-34.74	≤-27	PASS
		High	5775	5850~5855	-25.07	≤16.23	PASS
				5855~5875	-29.66	≤10.63	PASS
				5875~5925	-35.29	≤-25.46	PASS
				5925~5935	-41.91	≤-27	PASS

6.2. Test Graphs

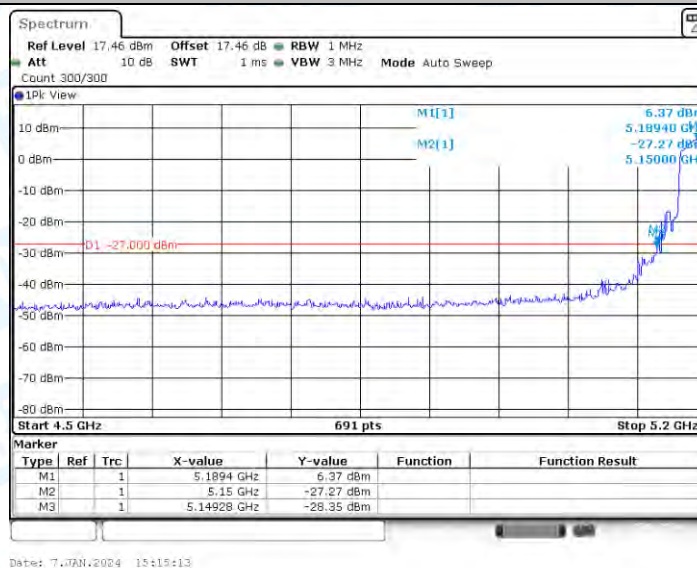




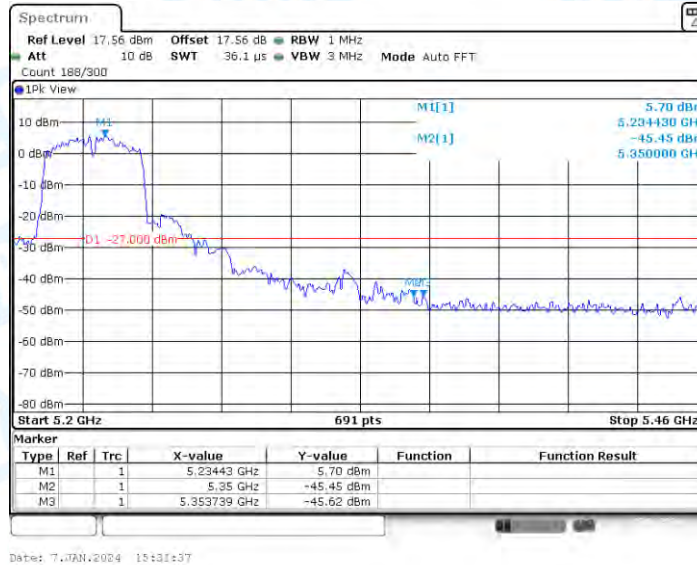
11N20SISO_Ant1_High_5240



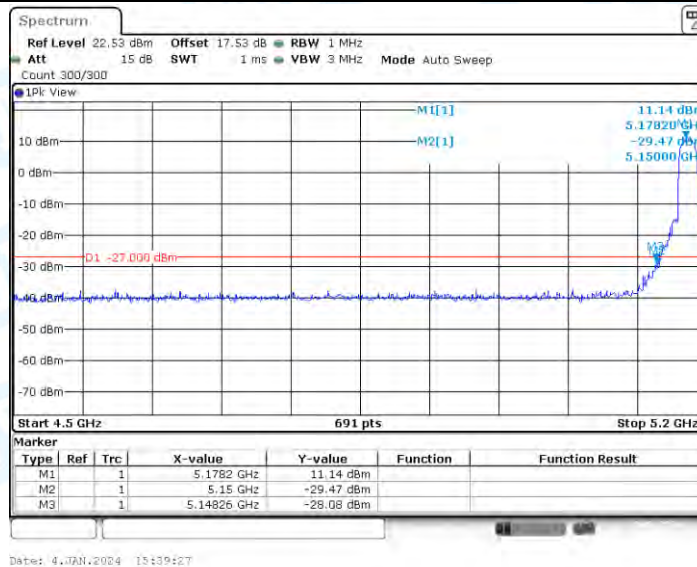
11N40SISO_Ant1_Low_5190



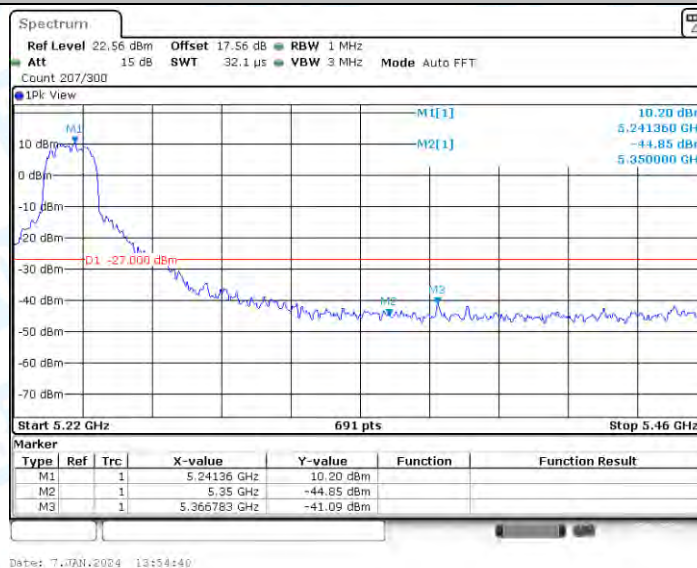
11N40SISO_Ant1_High_5230



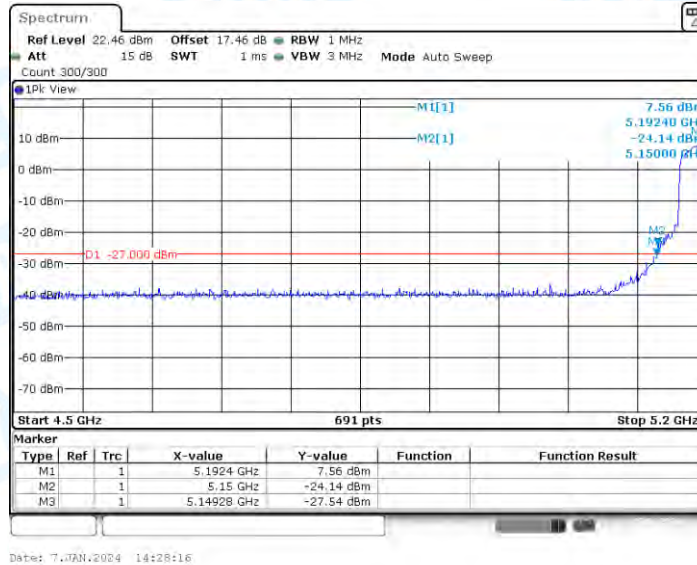
11AC20SISO_Ant1_Low_5180



11AC20SISO_Ant1_High_5240



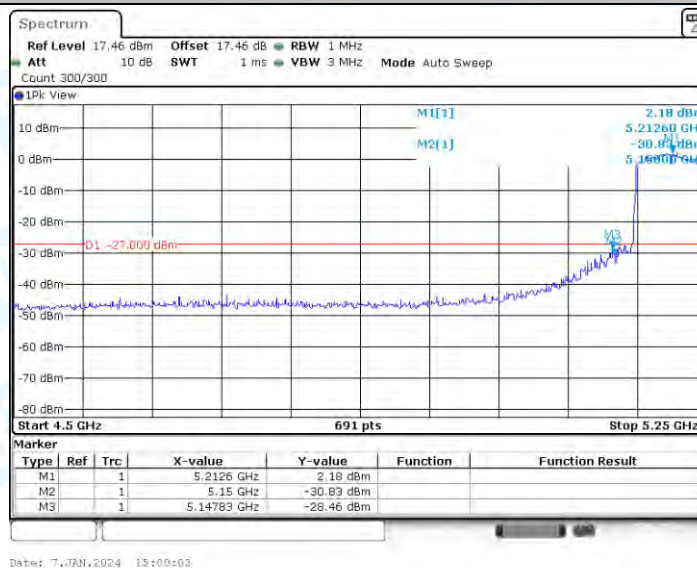
11AC40SISO_Ant1_Low_5190



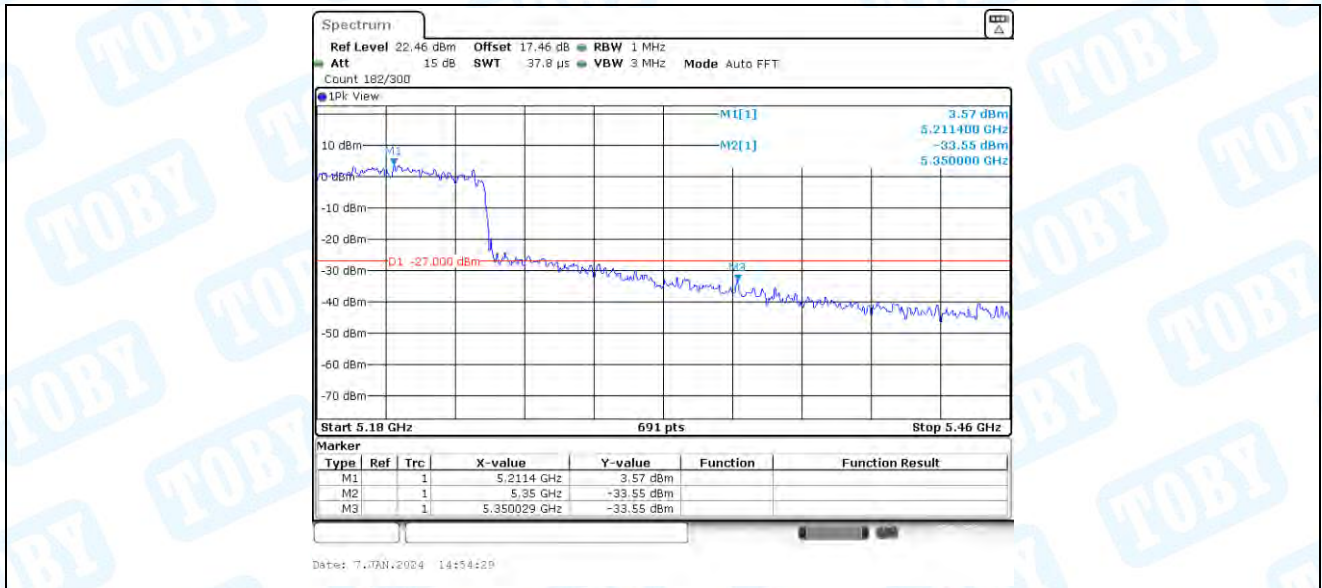
11AC40SISO_Ant1_High_5230



11AC80SISO_Ant1_Low_5210



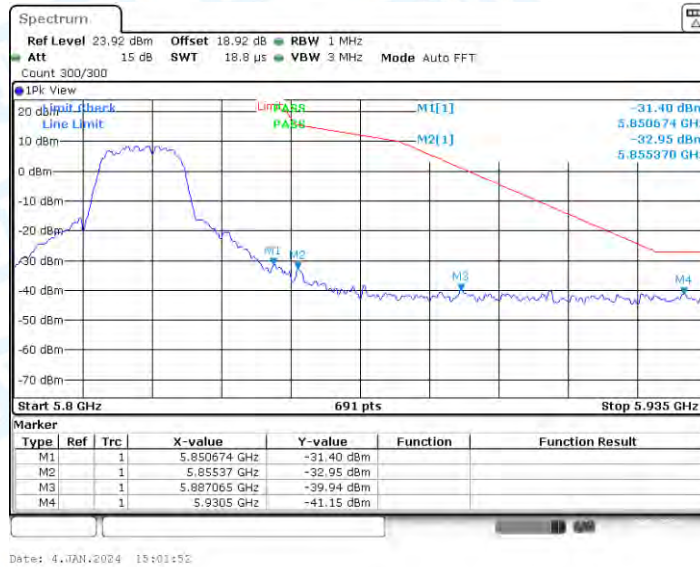
11AC80SISO_Ant1_High_5210



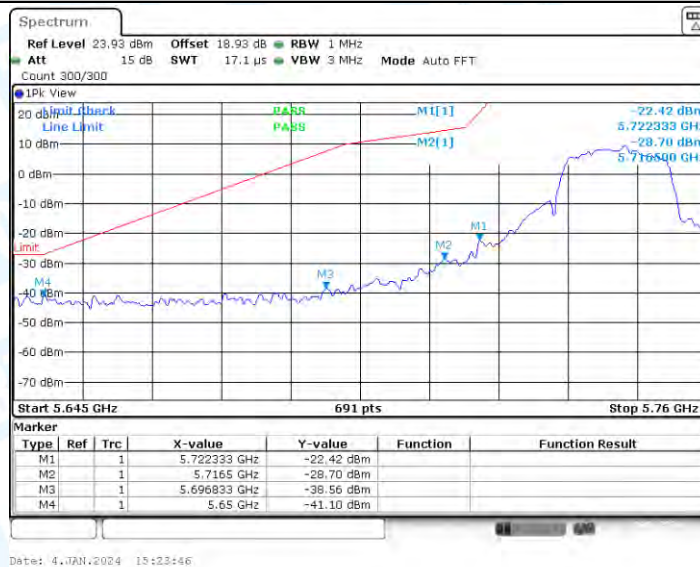
11A_Ant1_Low_5745



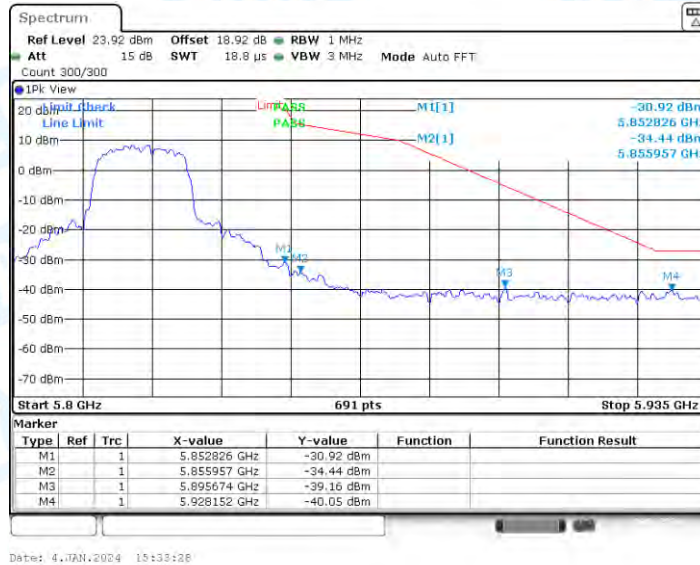
11A_Ant1_High_5825



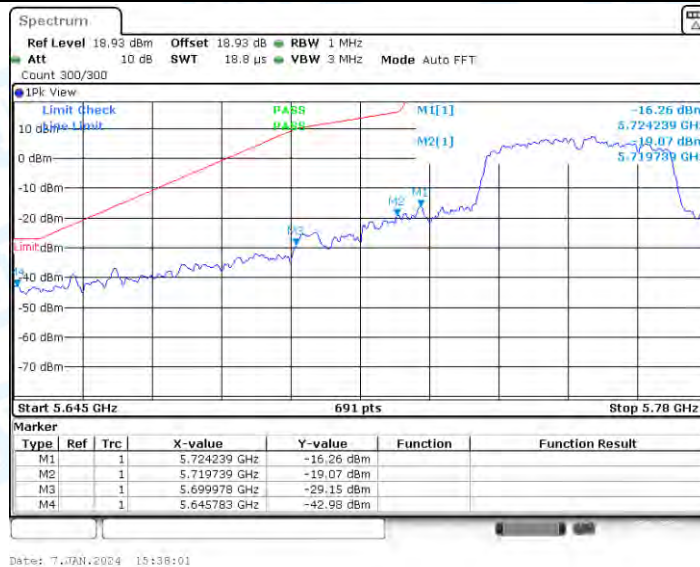
11N20SISO_Ant1_Low_5745



11N20SISO_Ant1_High_5825



11N40SISO_Ant1_Low_5755



11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



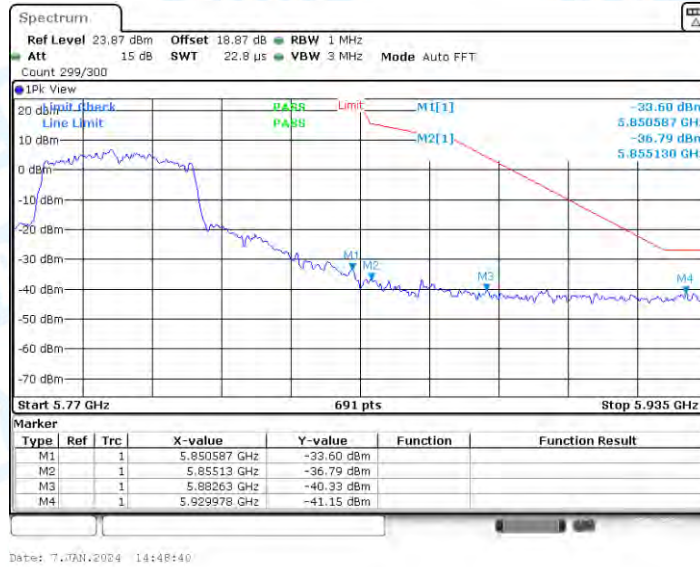
11AC20SISO_Ant1_High_5825



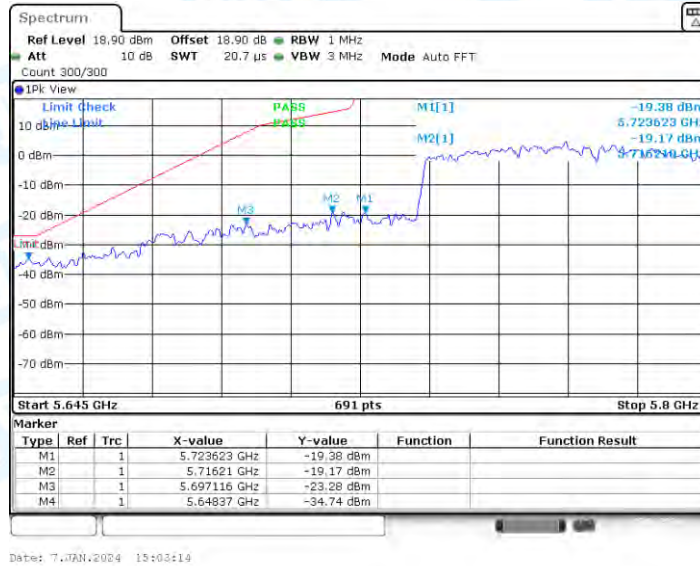
11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775



7. Emissions in Restricted Bands

7.1. Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq [MHz]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5180	AV	4500.000	-53.17	≤-41.20	PASS
				AV	5148.261	-48.37	≤-41.20	PASS
				AV	5150.000	-48	≤-41.20	PASS
				Peak	4500.000	-37.77	≤-21.20	PASS
				Peak	5149.275	-29.8	≤-21.20	PASS
				Peak	5150.000	-29.21	≤-21.20	PASS
		High	5240	AV	5350.000	-51.78	≤-41.20	PASS
				AV	5447.130	-50.31	≤-41.20	PASS
				AV	5460.000	-52.22	≤-41.20	PASS
				Peak	5350.000	-39.88	≤-21.20	PASS
				Peak	5446.783	-38.75	≤-21.20	PASS
				Peak	5460.000	-42.67	≤-21.20	PASS
		Low	5745	Peak	5650.000	-41.45	≤-27.00	PASS
				Peak	5700.000	-38.62	≤10.00	PASS
				Peak	5720.000	-29.36	≤15.60	PASS
				Peak	5725.000	-20.44	≤27.00	PASS
		High	5825	Peak	5850.000	-31.3	≤15.60	PASS
				Peak	5855.000	-34.58	≤27.00	PASS
				Peak	5875.000	-40.33	≤15.60	PASS
				Peak	5925.000	-41.23	≤10.00	PASS
11N20SISO	Ant1	Low	5180	AV	4500.000	-53.53	≤-41.20	PASS
				AV	5149.275	-47.21	≤-41.20	PASS
				AV	5150.000	-46.82	≤-41.20	PASS
				Peak	4500.000	-37.69	≤-21.20	PASS
				Peak	5140.145	-27.85	≤-21.20	PASS
				Peak	5150.000	-25.18	≤-21.20	PASS
		High	5240	AV	5350.000	-51.81	≤-41.20	PASS
				AV	5447.130	-50.05	≤-41.20	PASS
				AV	5460.000	-52.27	≤-41.20	PASS
				Peak	5350.000	-41.72	≤-21.20	PASS
				Peak	5447.478	-38.79	≤-21.20	PASS
				Peak	5460.000	-40.81	≤-21.20	PASS
		Low	5745	Peak	5650.000	-41.26	≤-27.00	PASS
				Peak	5700.000	-36.49	≤10.00	PASS
				Peak	5720.000	-24.35	≤15.60	PASS
				Peak	5725.000	-18.43	≤27.00	PASS
		High	5825	Peak	5850.000	-29.34	≤15.60	PASS
				Peak	5855.000	-31.95	≤27.00	PASS
				Peak	5875.000	-39.8	≤15.60	PASS