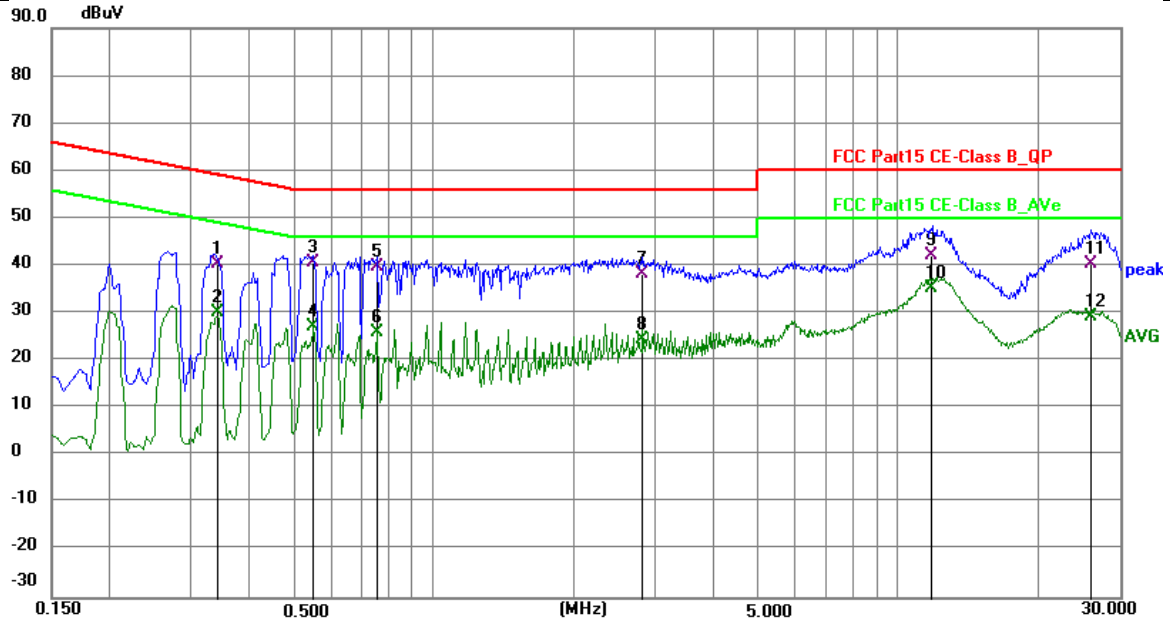


Test Mode	TX N20 ModeChannel 40 (UNII-1)	Phase	Neutral
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.3417	30.73	9.62	40.35	59.16	-18.81	QP	P	
2	0.3417	20.52	9.62	30.14	49.16	-19.02	AVG	P	
3	0.5503	31.14	9.62	40.76	56.00	-15.24	QP	P	
4	0.5503	17.58	9.62	27.20	46.00	-18.80	AVG	P	
5	0.7558	30.25	9.62	39.87	56.00	-16.13	QP	P	
6	0.7558	16.37	9.62	25.99	46.00	-20.01	AVG	P	
7	2.8241	28.58	9.65	38.23	56.00	-17.77	QP	P	
8	2.8241	14.71	9.65	24.36	46.00	-21.64	AVG	P	
9	11.8278	32.50	9.74	42.24	60.00	-17.76	QP	P	
10 *	11.8278	25.44	9.74	35.18	50.00	-14.82	AVG	P	
11	26.1484	30.47	9.82	40.29	60.00	-19.71	QP	P	
12	26.1484	19.36	9.82	29.18	50.00	-20.82	AVG	P	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.
- (3) The test result has included the cable loss.

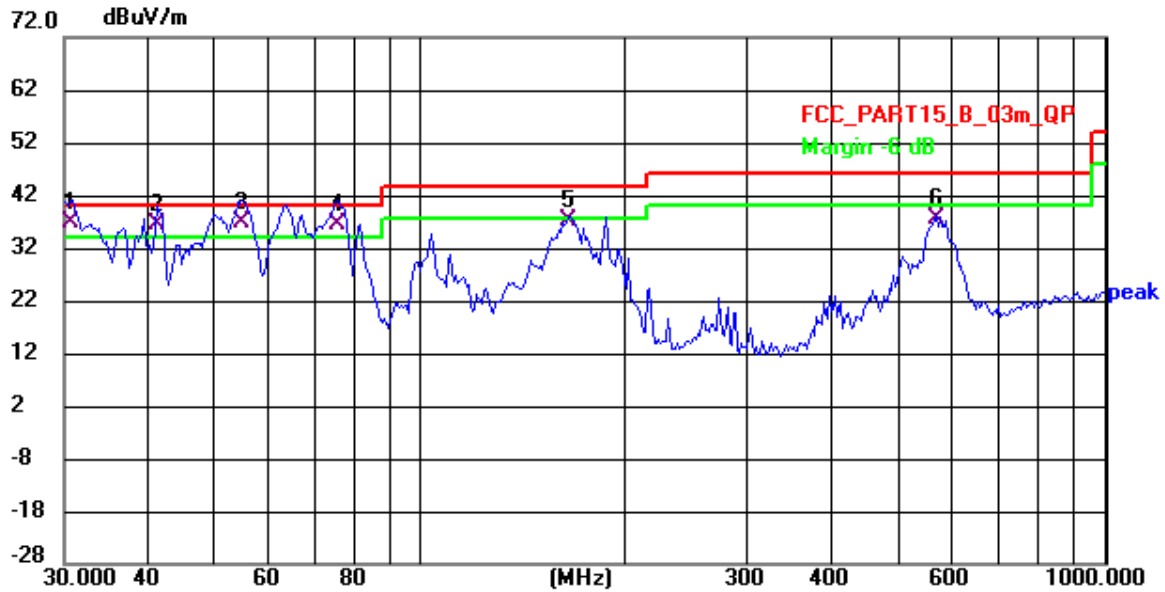
APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

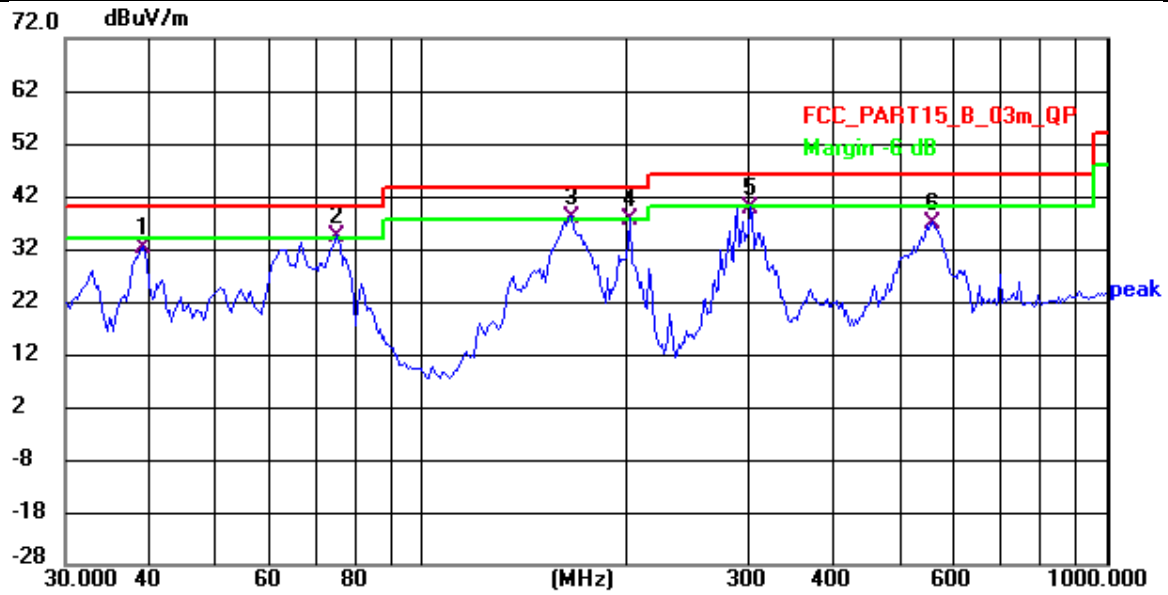
Test Mode	TX N20 ModeChannel 40 (UNII-1)	Polarization	Vertical
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REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX N20 ModeChannel 40 (UNII-1)	Polarization	Horizontal
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	38.908	54.45	-22.26	32.19	40.00	-7.81	QP	200	318	P	
2 !	74.793	59.29	-24.92	34.37	40.00	-5.63	QP	200	200	P	
3 *	165.472	58.84	-20.88	37.96	43.50	-5.54	QP	200	85	P	
4 !	201.454	62.40	-24.74	37.66	43.50	-5.84	QP	100	328	P	
5	300.699	62.02	-22.17	39.85	46.00	-6.15	QP	100	21	P	
6	558.079	52.07	-15.18	36.89	46.00	-9.11	QP	200	97	P	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

Test Result of Band edges.

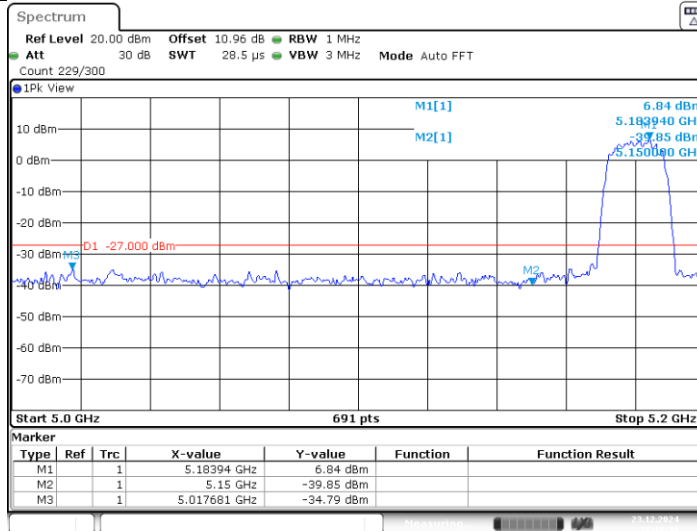
Test Result B1

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-34.79	≤ -27	PASS
		High	5240	-34.2	≤ -27	PASS
11N20SISO	Ant1	Low	5180	-35.09	≤ -27	PASS
		High	5240	-33.88	≤ -27	PASS
11N40SISO	Ant1	Low	5190	-35.8	≤ -27	PASS
		High	5230	-34.29	≤ -27	PASS
11AC20SISO	Ant1	Low	5180	-35.78	≤ -27	PASS
		High	5240	-35.21	≤ -27	PASS
11AC40SISO	Ant1	Low	5190	-34.02	≤ -27	PASS
		High	5230	-34.19	≤ -27	PASS
11AC80SISO	Ant1	High	5210	-34.83	≤ -27	PASS

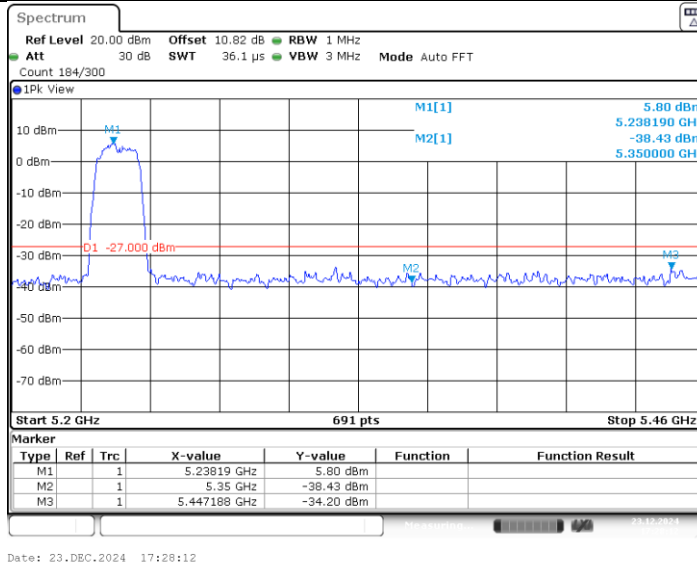
Test Result B4

TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650-5700	-36.75	≤-26.88	PASS
				5700-5720	-35.72	≤10.28	PASS
				5720-5725	-38.5	≤15.98	PASS
				5760-5650	-36.2	≤-27	PASS
		High	5825	5850-5855	-37.14	≤15.65	PASS
				5855-5875	-35.06	≤10.89	PASS
				5875-5925	-36.48	≤-26.87	PASS
				5925-5935	-35.84	≤-27	PASS
11N20SISO	Ant1	Low	5745	5650-5700	-36.5	≤-26.26	PASS
				5700-5720	-30.94	≤15.32	PASS
				5720-5725	-31.03	≤15.98	PASS
				5760-5650	-35.5	≤-27	PASS
		High	5825	5850-5855	-33.09	≤16.10	PASS
				5855-5875	-36.22	≤10.13	PASS
				5875-5925	-35.47	≤-26.87	PASS
				5925-5935	-35.47	≤-27	PASS
11N40SISO	Ant1	Low	5755	5650-5700	-37.11	≤-26.94	PASS
				5700-5720	-27.47	≤15.47	PASS
				5720-5725	-27.66	≤15.90	PASS
				5780-5650	-36.49	≤-27	PASS
		High	5795	5850-5855	-36.8	≤15.85	PASS
				5855-5875	-32.78	≤12.01	PASS
				5875-5925	-37.3	≤-26.97	PASS
				5925-5935	-35.71	≤-27	PASS
11AC20SISO	Ant1	Low	5745	5650-5700	-37.05	≤-26.88	PASS
				5700-5720	-36.21	≤10.14	PASS
				5720-5725	-36.43	≤17.88	PASS
				5760-5650	-36.55	≤-27	PASS
		High	5825	5850-5855	-36.72	≤16.10	PASS
				5855-5875	-36.44	≤10.46	PASS
				5875-5925	-35.51	≤-26.87	PASS
				5925-5935	-34.65	≤-27	PASS
11AC40SISO	Ant1	Low	5755	5650-5700	-36.71	≤-26.94	PASS
				5700-5720	-36.37	≤11.09	PASS
				5720-5725	-34.78	≤15.90	PASS
				5780-5650	-36.35	≤-27	PASS
		High	5795	5850-5855	-36.65	≤15.85	PASS
				5855-5875	-35.1	≤11.14	PASS
				5875-5925	-36.21	≤-26.97	PASS
				5925-5935	-36.19	≤-27	PASS
11AC80SISO	Ant1	Low	5775	5650-5700	-37.87	≤-26.88	PASS
				5700-5720	-33.83	≤10.20	PASS
				5720-5725	-32.9	≤16.18	PASS
				5800-5650	-35.57	≤-27	PASS
		High	5775	5850-5855	-35.09	≤15.98	PASS
				5855-5875	-36.45	≤10.24	PASS
				5875-5925	-36.44	≤-25.87	PASS
				5925-5935	-36.26	≤-27	PASS

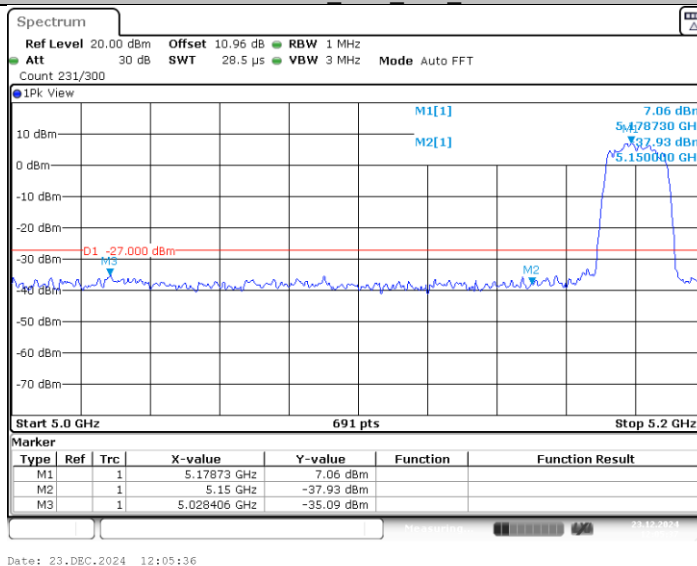
11A_Ant1_Low_5180



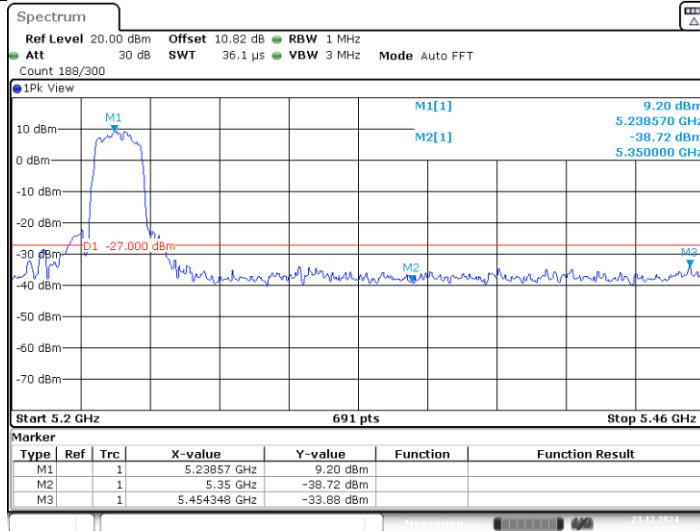
11A_Ant1_High_5240



11N20SISO_Ant1_Low_5180

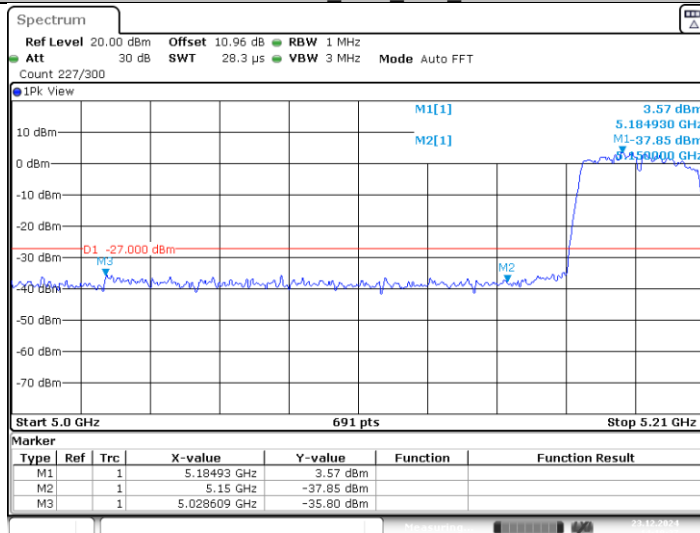


11N20SISO_Ant1_High_5240



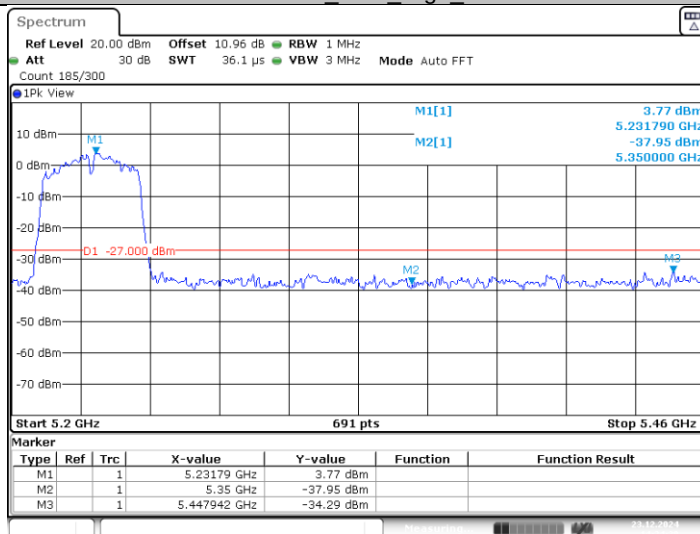
Date: 23.DEC.2024 12:19:21

11N40SISO_Ant1_Low_5190



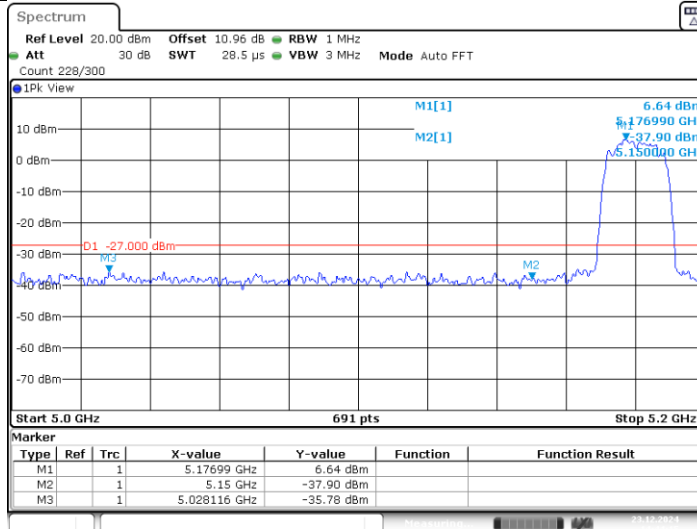
Date: 23.DEC.2024 14:19:37

11N40SISO_Ant1_High_5230



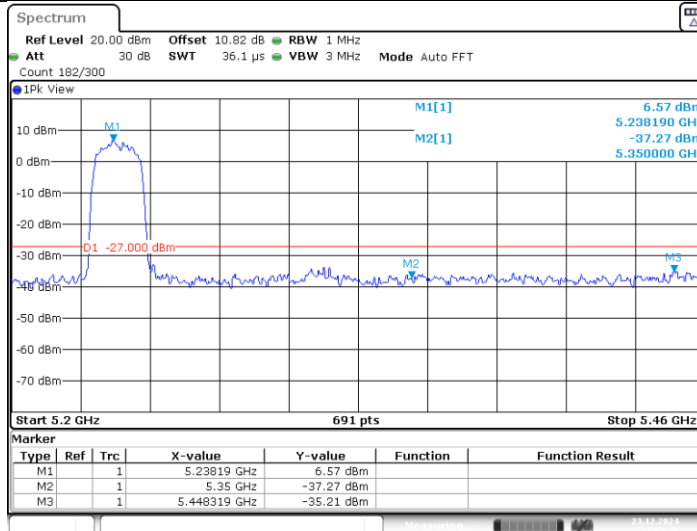
Date: 23.DEC.2024 14:24:39

11AC20SISO_Ant1_Low_5180



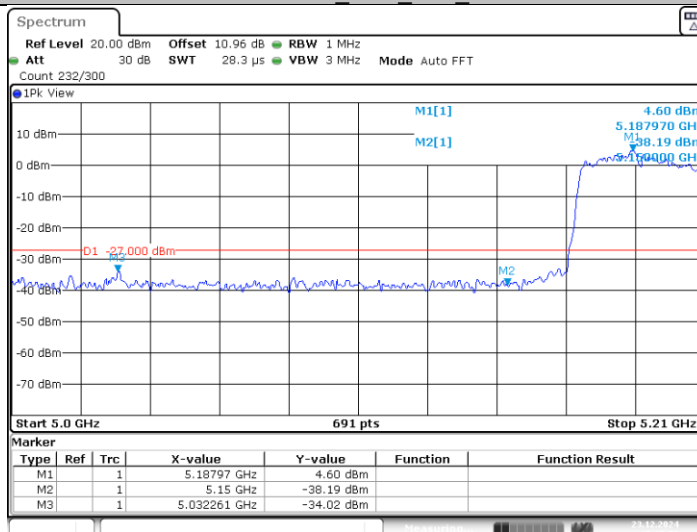
Date: 23.DEC.2024 14:44:15

11AC20SISO_Ant1_High_5240



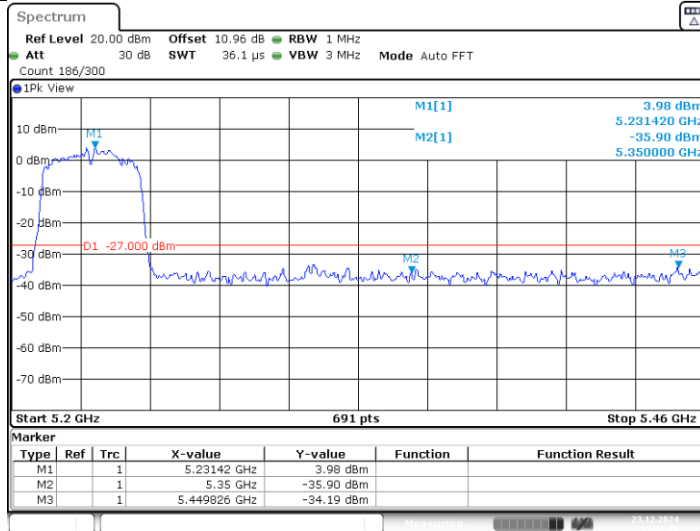
Date: 23.DEC.2024 14:53:48

11AC40SISO_Ant1_Low_5190



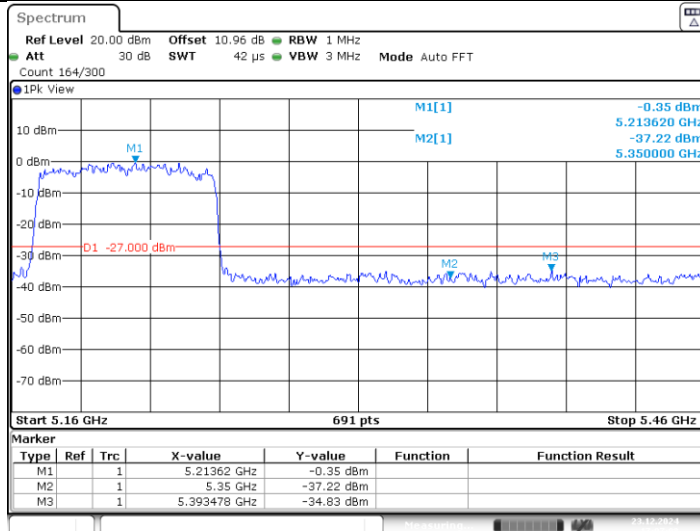
Date: 23.DEC.2024 15:15:52

11AC40SISO_Ant1_High_5230



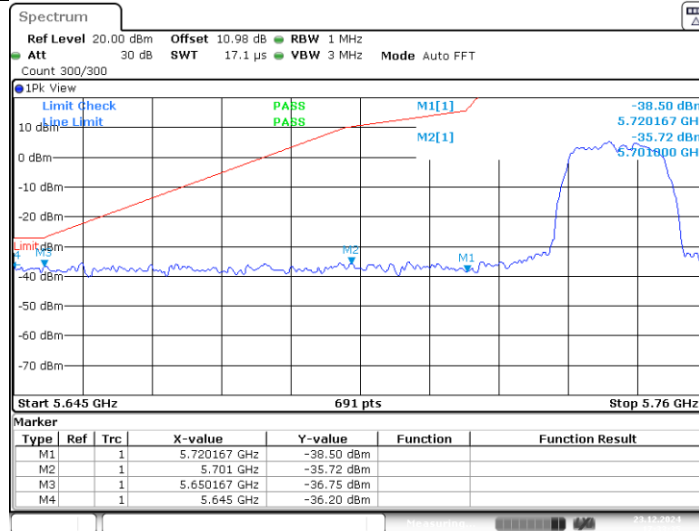
Date: 23.DEC.2024 15:20:48

11AC80SISO_Ant1_High_5210



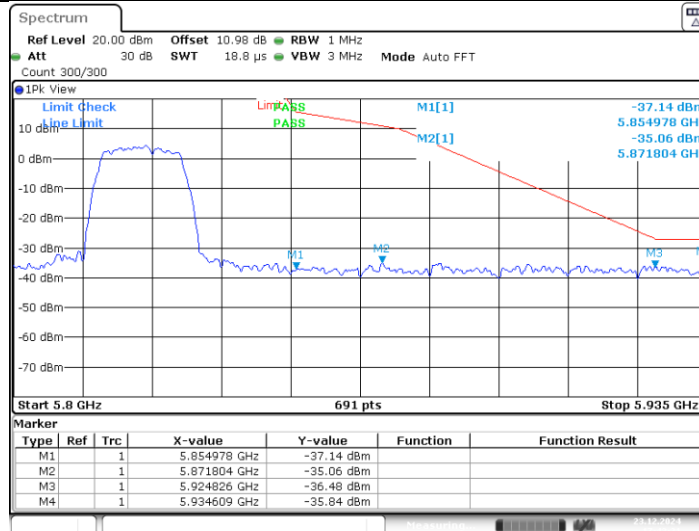
Date: 23.DEC.2024 17:07:07

11A_Ant1_Low_5745



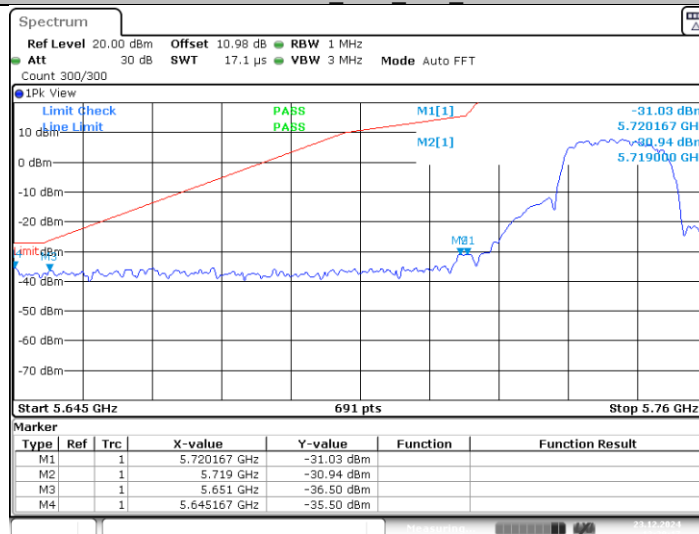
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11A_Ant1_High_5825



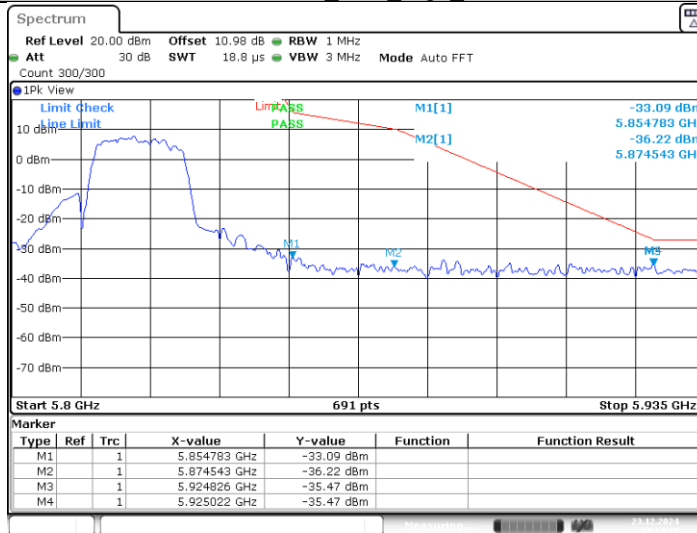
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11N20SISO_Ant1_Low_5745

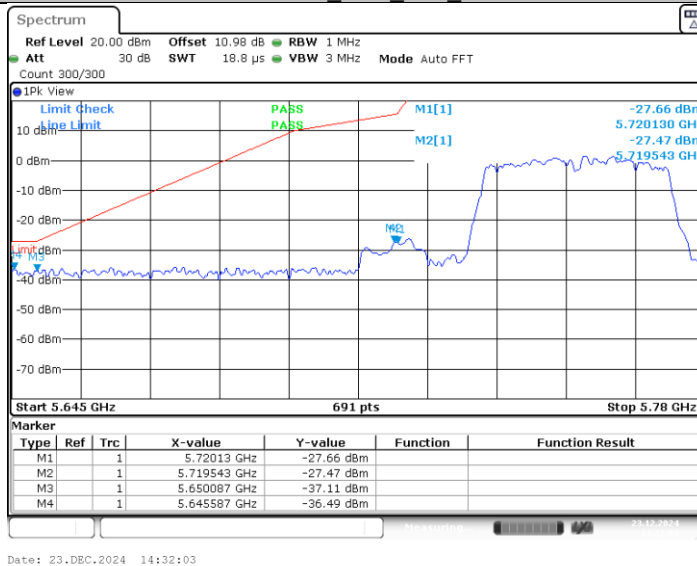


Date: 23.DEC.2024 12:29:17

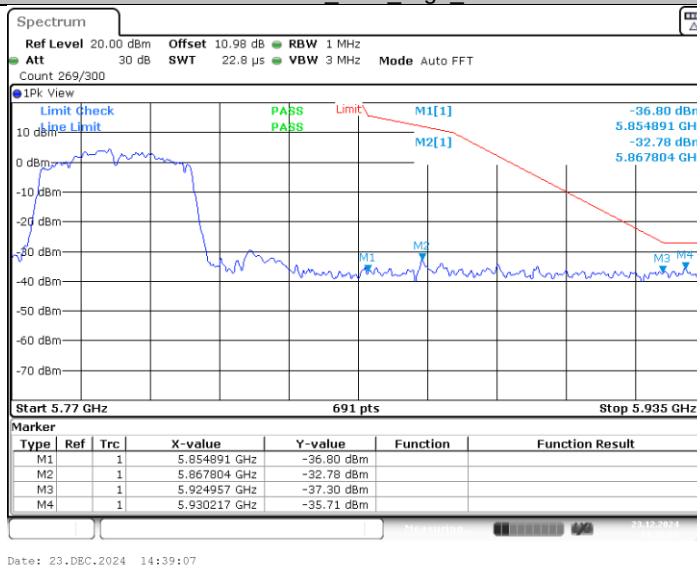
11N20SISO Ant1_High_5825



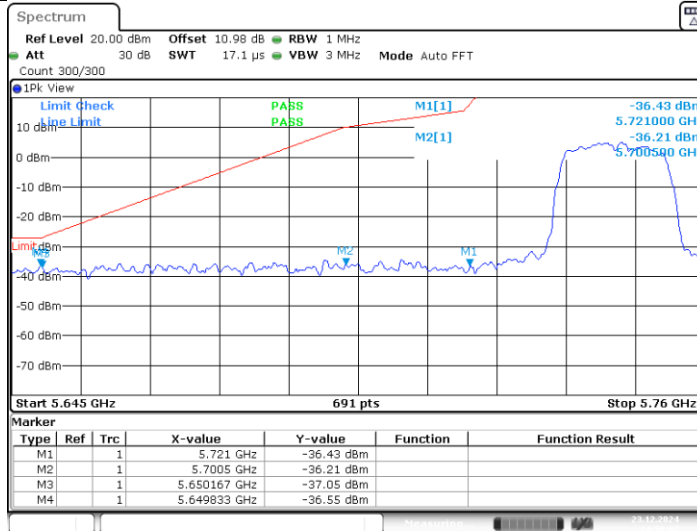
11N40SISO Ant1_Low_5755



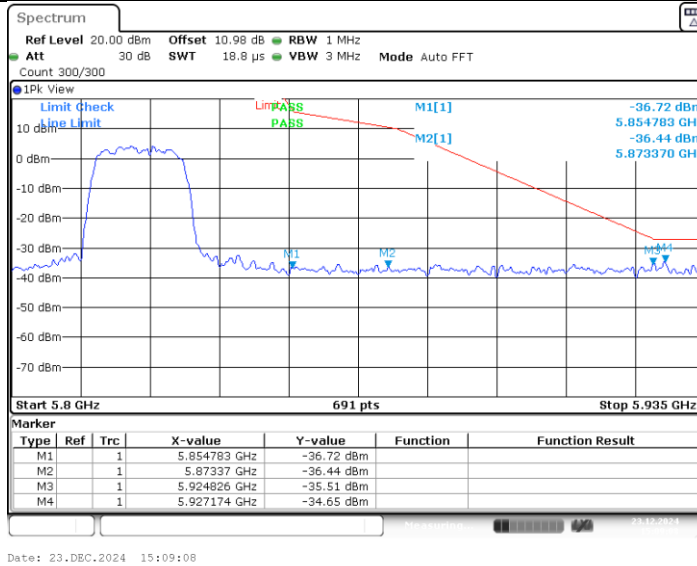
11N40SISO Ant1_High_5795



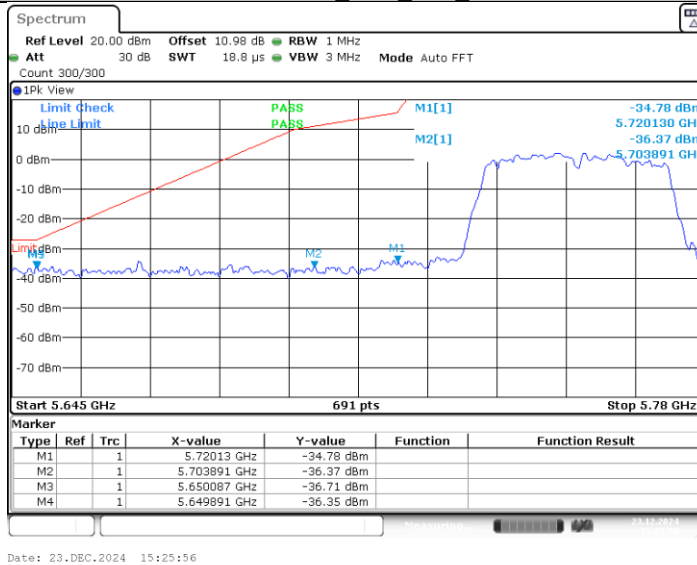
11AC20SISO_Ant1_Low_5745



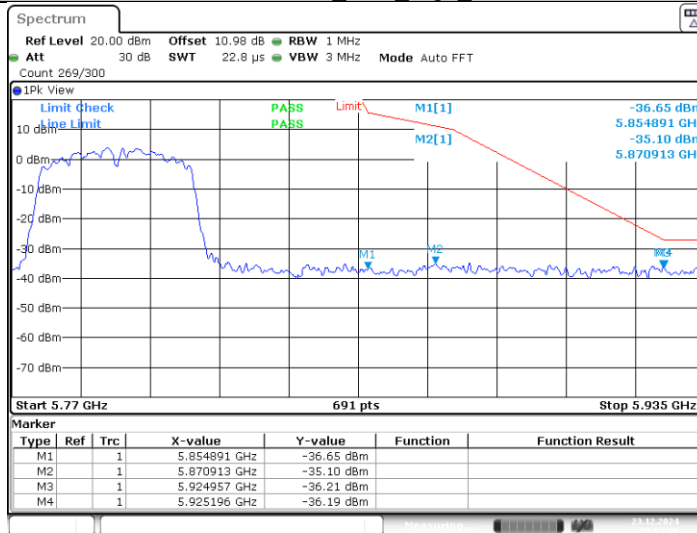
11AC20SISO_Ant1_High_5825



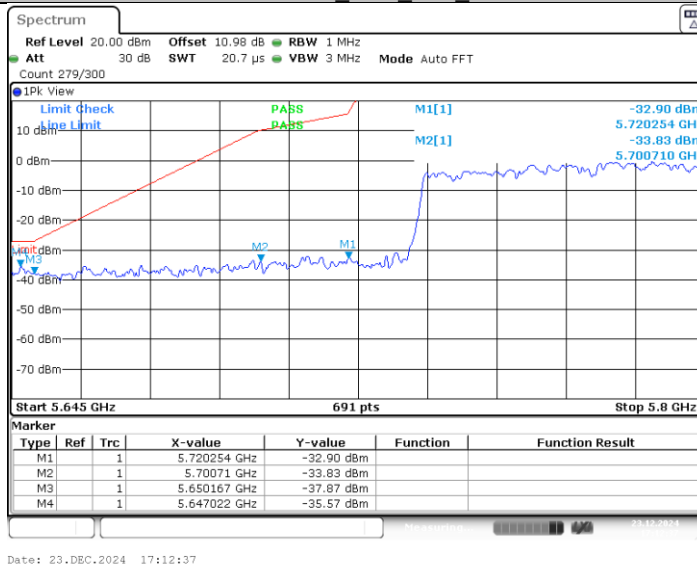
11AC40SISO_Ant1_Low_5755



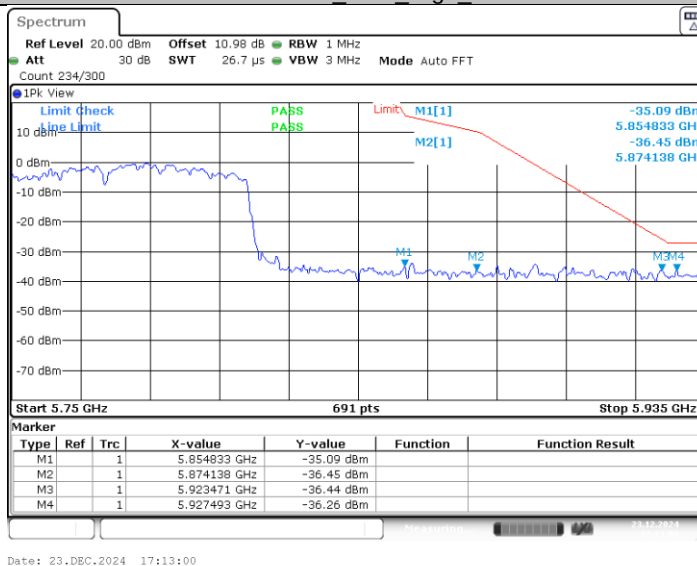
11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775



ABOVE 1000 MHz

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

UNII-1

TX N20 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)			
10651	H	42.76	---	9.03	51.79	---	74	54	-22.21
15523	H	39.71	---	9.87	49.58	---	74	54	-24.42
---	H	---	---	---	---	---	---	---	---
10655	V	44.20	---	9.03	53.23	---	74	54	-20.77
15521	V	39.39	---	9.88	49.27	---	74	54	-24.73
---	V	---	---	---	---	---	---	---	---
TX N20 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)			
10664	H	44.27	---	9.09	53.36	---	74	54	-20.64
15602	H	40.12	---	9.91	50.03	---	74	54	-23.97
---	H	---	---	---	---	---	---	---	---
10664	V	43.68	---	9.09	52.77	---	74	54	-21.23
15603	V	42.52	---	9.91	52.43	---	74	54	-21.57
---	V	---	---	---	---	---	---	---	---
TX N20 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)			
10761	H	44.14	---	9.24	53.38	---	74	54	-20.62
15722	H	43.01	---	10.01	53.02	---	74	54	-20.98
---	H	---	---	---	---	---	---	---	---
10755	V	44.53	---	9.24	53.77	---	74	54	-20.23
15727	V	43.02	---	10.01	53.03	---	74	54	-20.97
---	V	---	---	---	---	---	---	---	---

UNII-3

TX N20 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)			
11723	H	43.72	---	9.81	53.53	---	74	54	-20.47
17733	H	40.96	---	12.96	53.92	---	74	54	-20.08
---	H	---	---	---	---	---	---	---	---
11723	V	43.34	---	9.81	53.15	---	74	54	-20.85
17732	V	40.75	---	12.95	53.70	---	74	54	-20.30
---	V	---	---	---	---	---	---	---	---
TX N20 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)			
11838	H	43.19	---	9.91	53.10	---	74	54	-20.90
18120	H	39.27	---	13.21	52.48	---	74	54	-21.52
---	H	---	---	---	---	---	---	---	---
11846	V	43.59	---	9.92	53.51	---	74	54	-20.49
18354	V	40.40	---	13.22	53.62	---	74	54	-20.38
---	V	---	---	---	---	---	---	---	---
TX N20 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)			
11901	H	43.54	---	10.01	53.55	---	74	54	-20.45
18252	H	39.01	---	14.01	53.02	---	74	54	-20.98
---	H	---	---	---	---	---	---	---	---
11933	V	43.17	---	9.98	53.15	---	74	54	-20.85
18292	V	39.38	---	13.99	53.37	---	74	54	-20.63
---	V	---	---	---	---	---	---	---	---

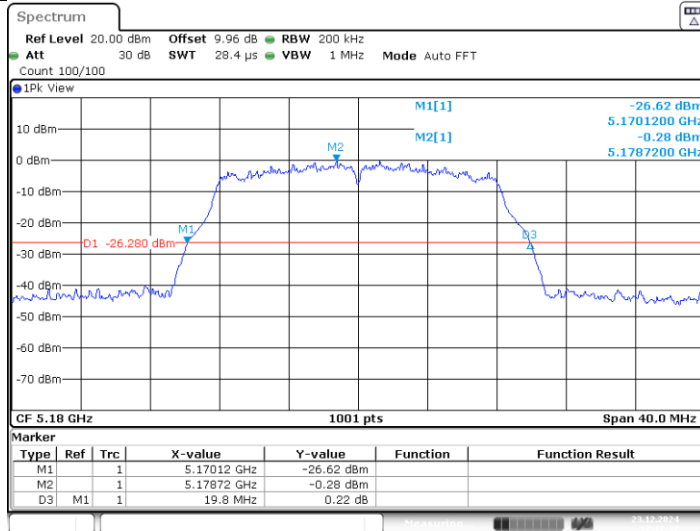
Notes:

- 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). Measured Level = Reading Level + Factor, Margin = Measured Level – Limit

APPENDIX E - BANDWIDTH

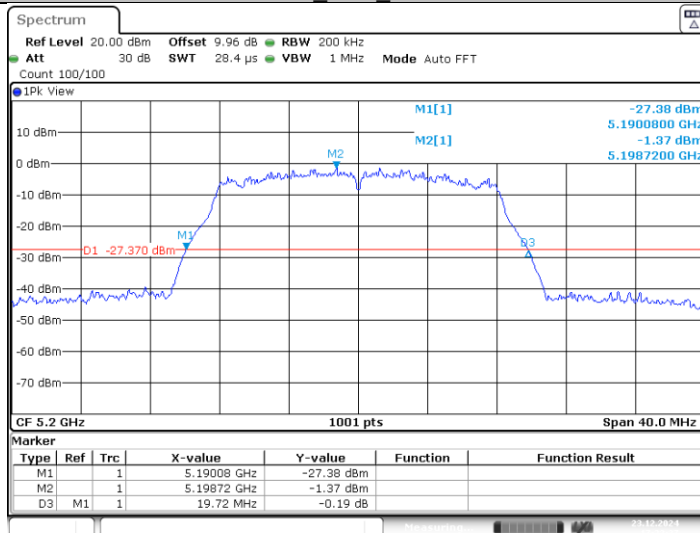
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.80	5170.12	5189.92	---	---
		5200	19.72	5190.08	5209.80	---	---
		5240	19.80	5230.04	5249.84	---	---
		5745	19.80	5735.04	5754.84	---	---
		5785	19.84	5774.96	5794.80	---	---
		5825	19.84	5815.00	5834.84	---	---
11N20SISO	Ant1	5180	20.12	5169.92	5190.04	---	---
		5200	20.24	5189.84	5210.08	---	---
		5240	20.20	5229.92	5250.12	---	---
		5745	21.92	5733.20	5755.12	---	---
		5785	20.08	5775.04	5795.12	---	---
		5825	22.08	5813.04	5835.12	---	---
11N40SISO	Ant1	5190	40.40	5169.68	5210.08	---	---
		5230	40.48	5209.92	5250.40	---	---
		5755	40.96	5734.52	5775.48	---	---
		5795	39.84	5775.08	5814.92	---	---
11AC20SISO	Ant1	5180	20.04	5169.92	5189.96	---	---
		5200	20.28	5189.80	5210.08	---	---
		5240	20.16	5229.88	5250.04	---	---
		5745	20.00	5734.96	5754.96	---	---
		5785	20.16	5774.96	5795.12	---	---
		5825	20.20	5814.76	5834.96	---	---
11AC40SISO	Ant1	5190	40.24	5169.76	5210.00	---	---
		5230	40.32	5209.84	5250.16	---	---
		5755	40.88	5734.60	5775.48	---	---
		5795	40.00	5775.16	5815.16	---	---
11AC80SISO	Ant1	5210	81.28	5169.84	5251.12	---	---
		5775	80.00	5735.00	5815.00	---	---

11A_Ant1_5180



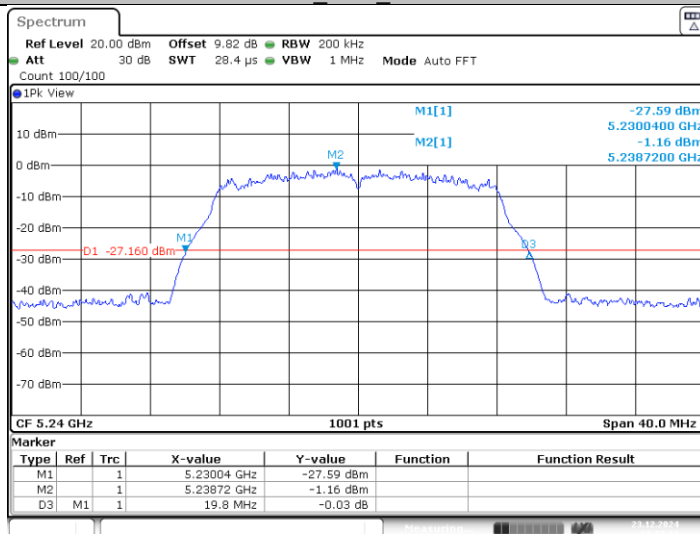
Date: 23.DEC.2024 17:17:37

11A_Ant1_5200



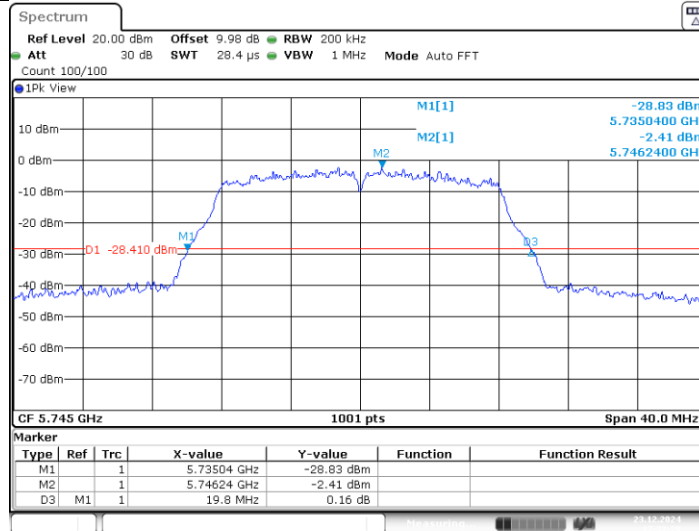
Date: 23.DEC.2024 17:22:36

11A_Ant1_5240

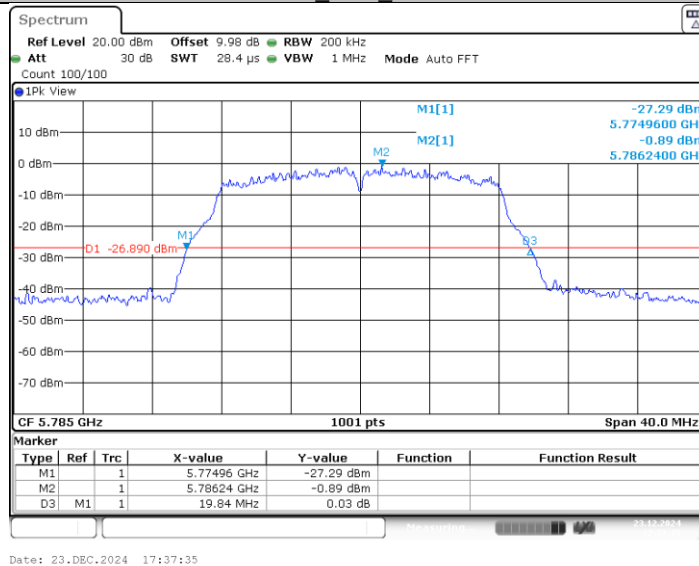


Date: 23.DEC.2024 17:27:13

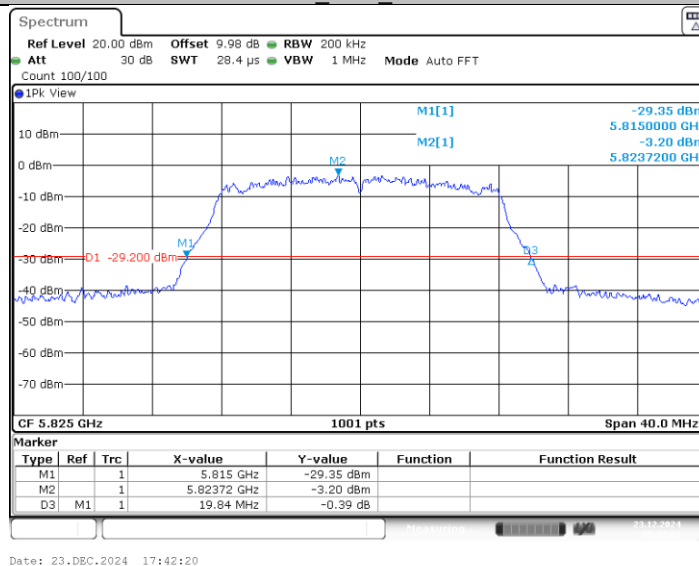
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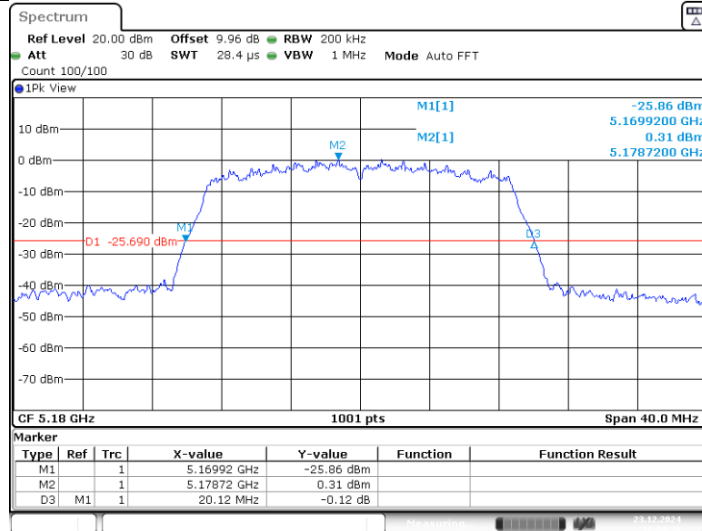
11A_Ant1_5785



11A_Ant1_5825

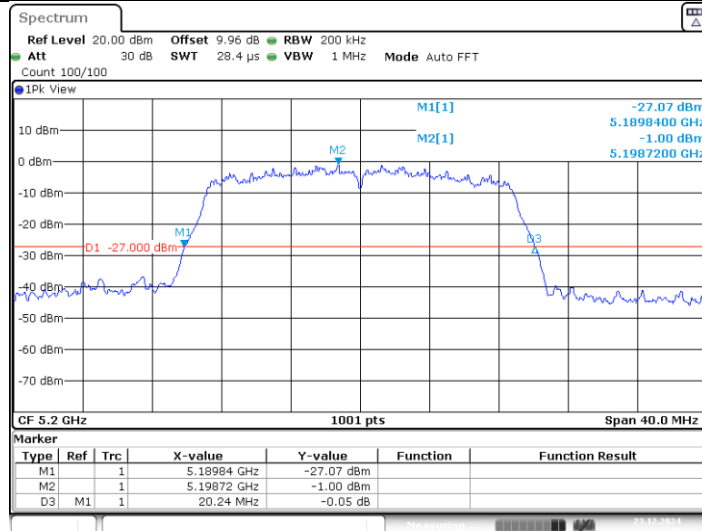


11N20SISO_Ant1_5180



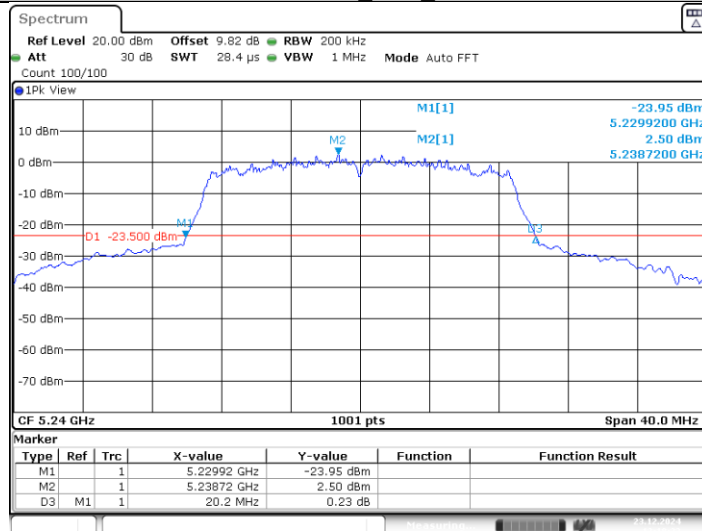
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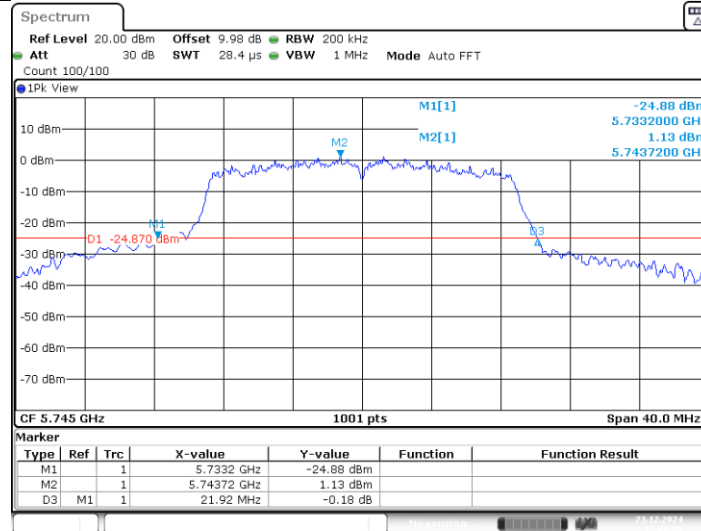
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11N20SISO_Ant1_5240



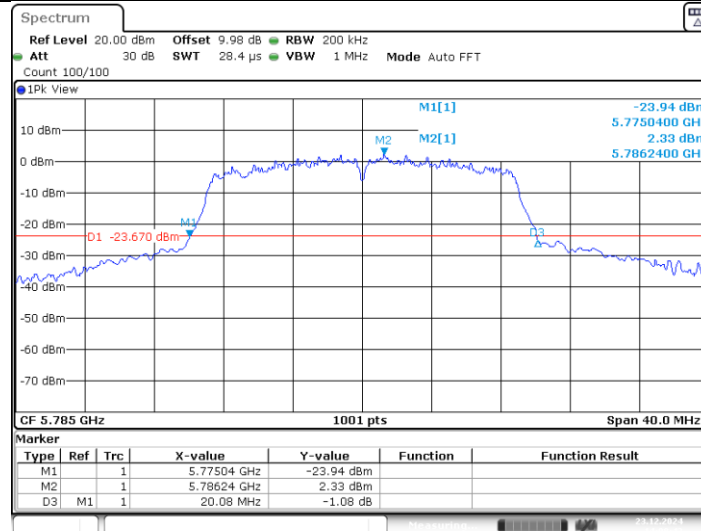
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11N20SISO_Ant1_5745



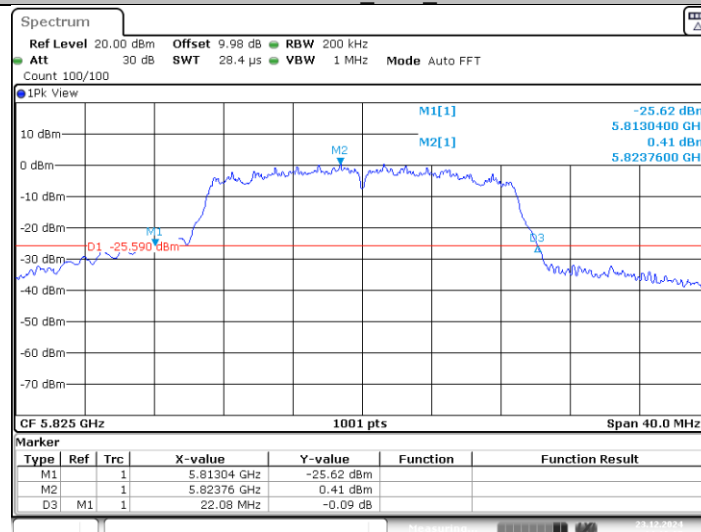
Date: 23.DEC.2024 12:28:08

11N20SISO_Ant1_5785



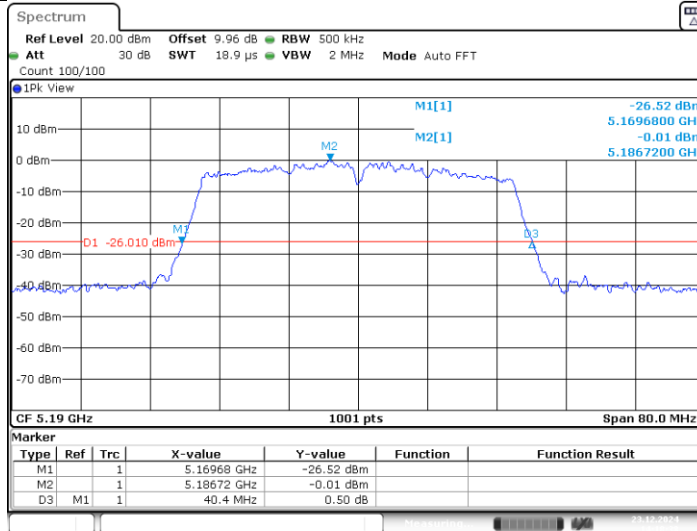
Date: 23.DEC.2024 14:08:41

11N20SISO_Ant1_5825



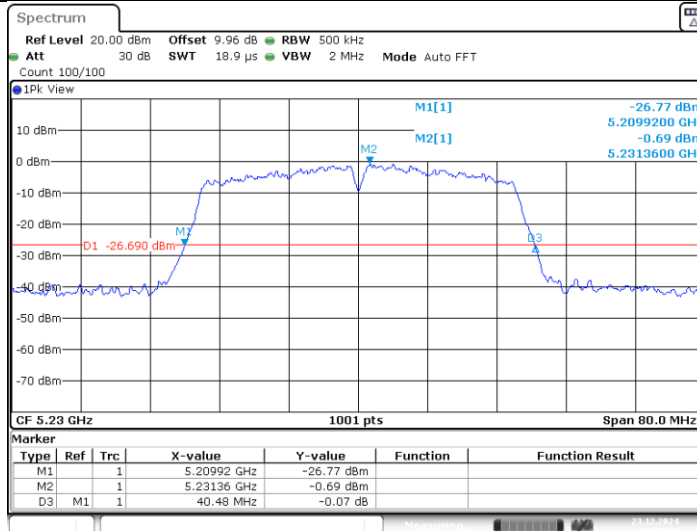
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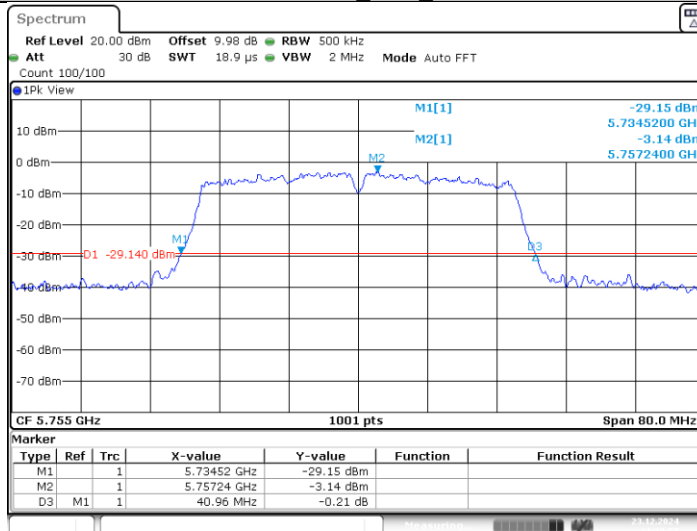
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11N40SISO_Ant1_5230



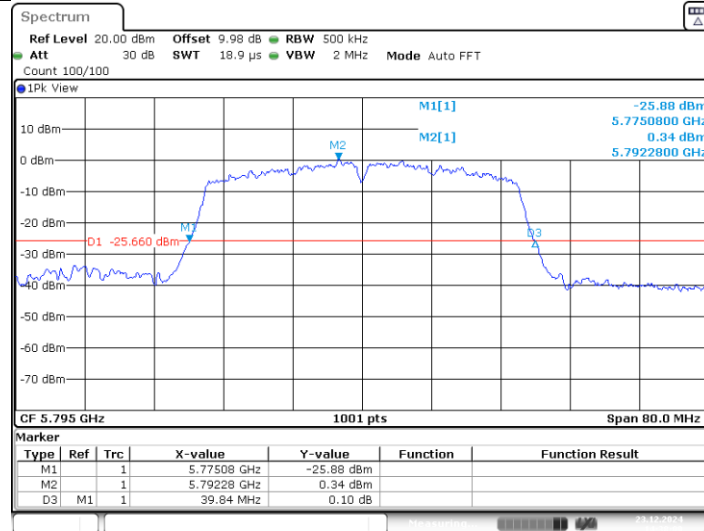
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11N40SISO_Ant1_5755

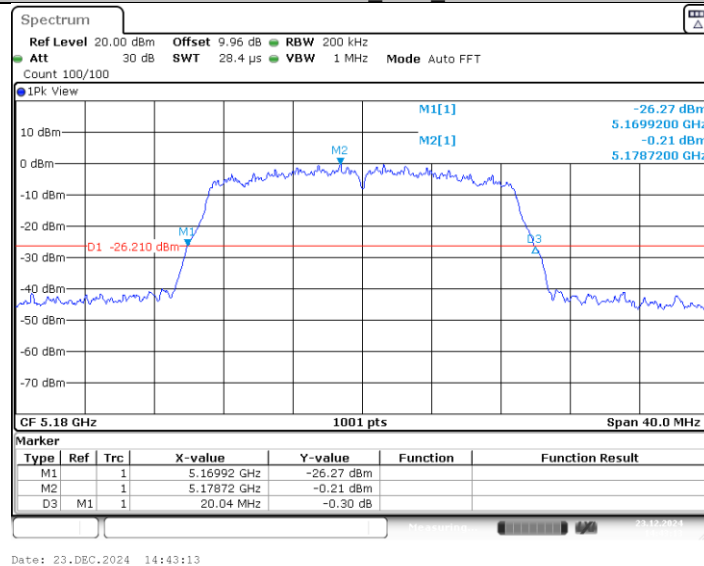


Date: 23.DEC.2024 14:30:56

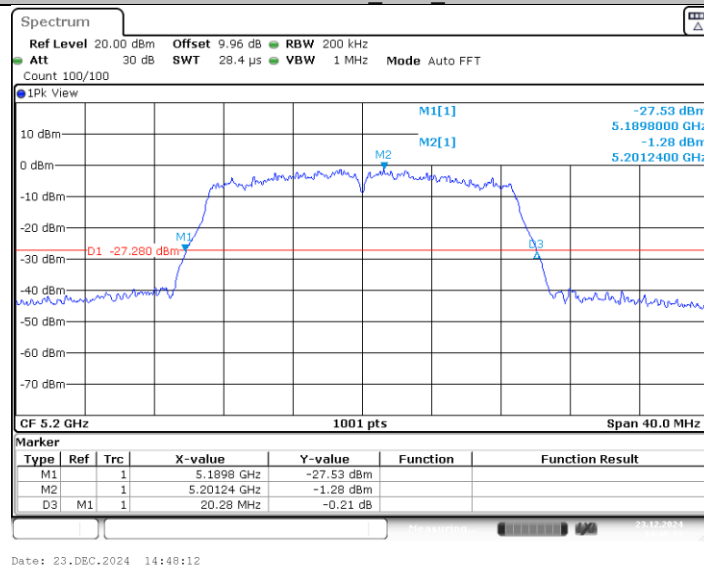
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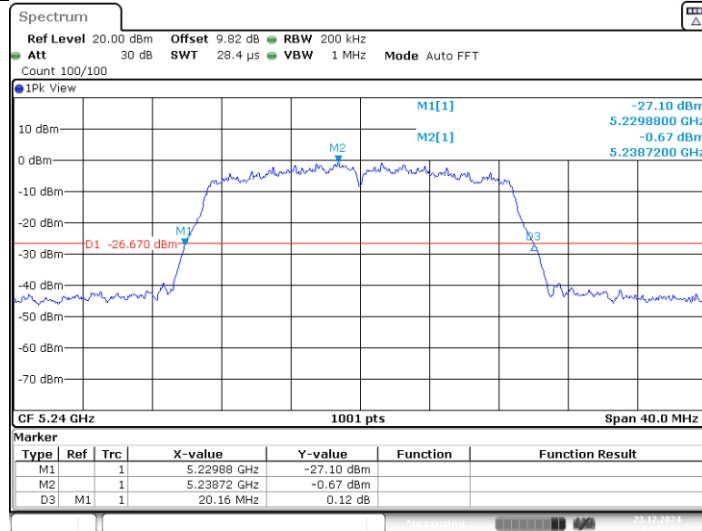
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200

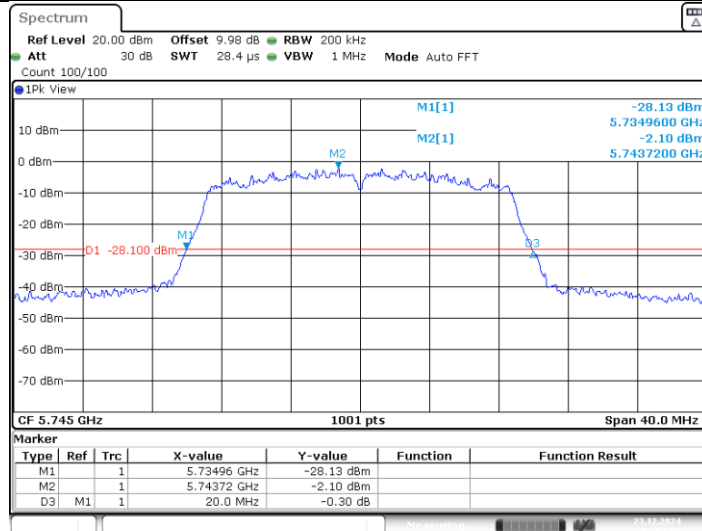


11AC20SISO_Ant1_5240



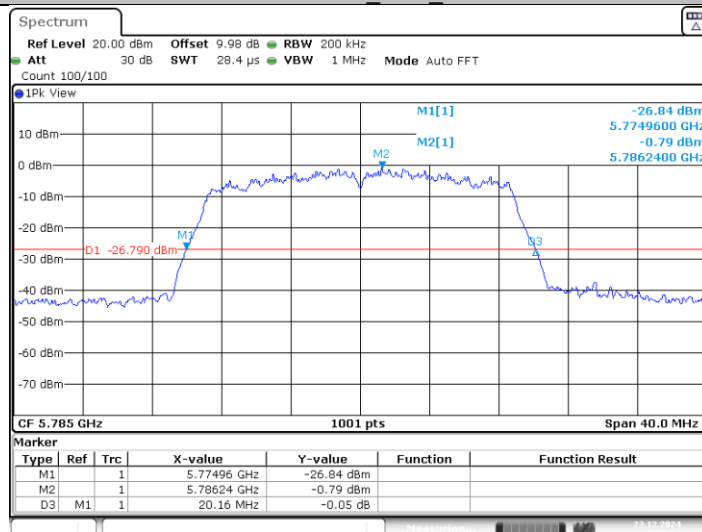
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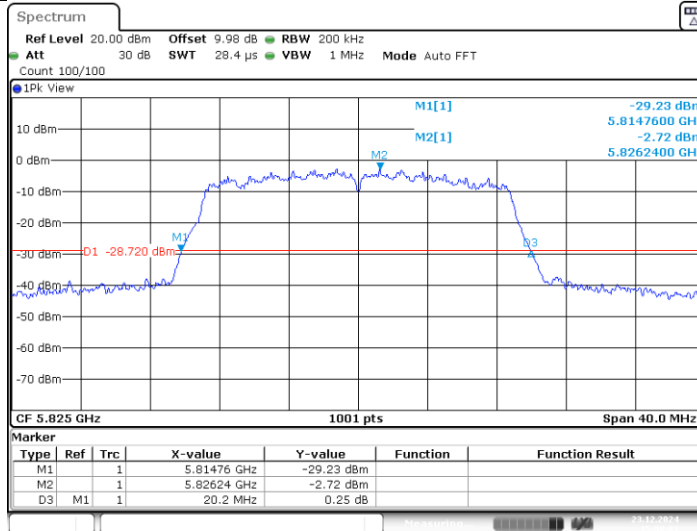
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11AC20SISO_Ant1_5785



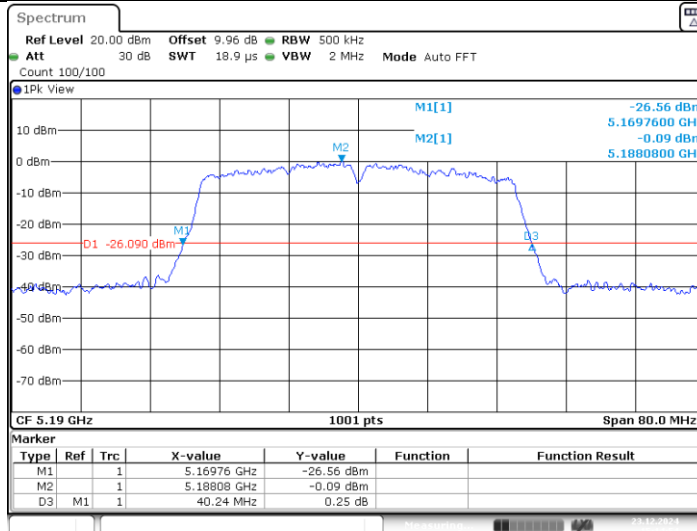
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11AC20SISO_Ant1_5825



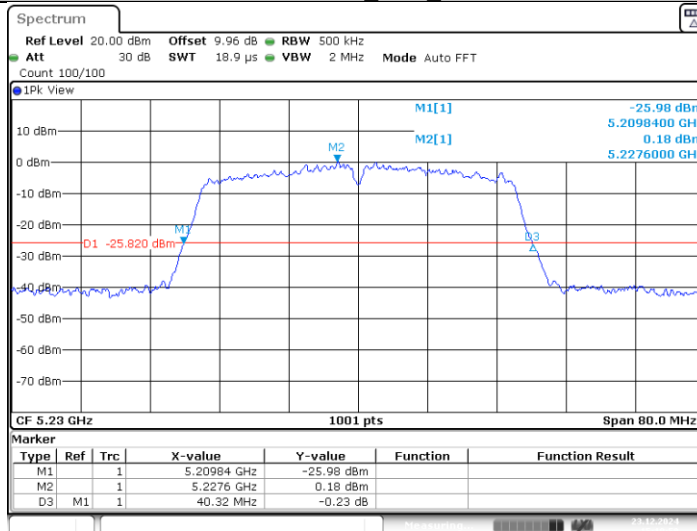
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11AC40SISO_Ant1_5190



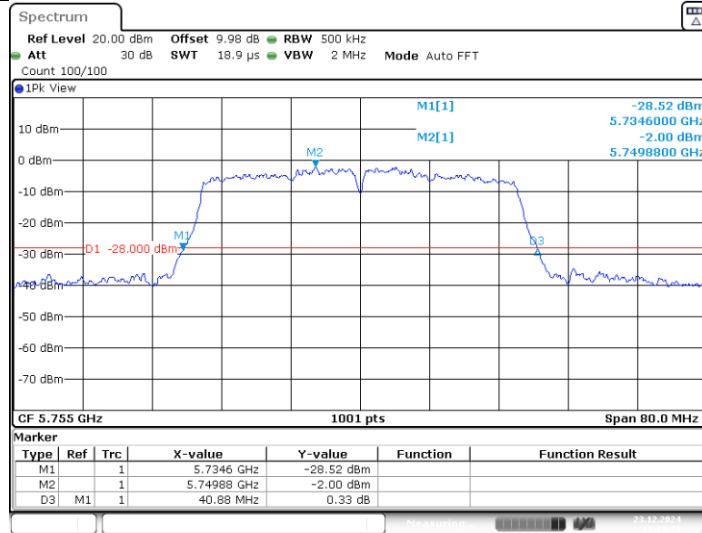
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11AC40SISO_Ant1_5230

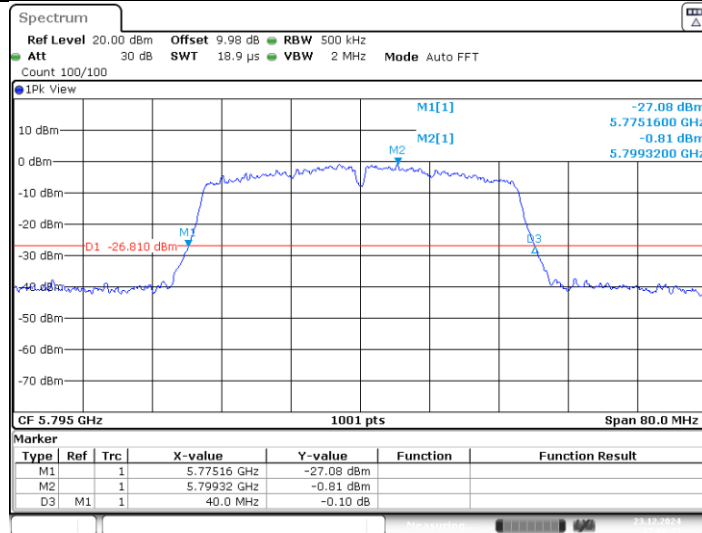


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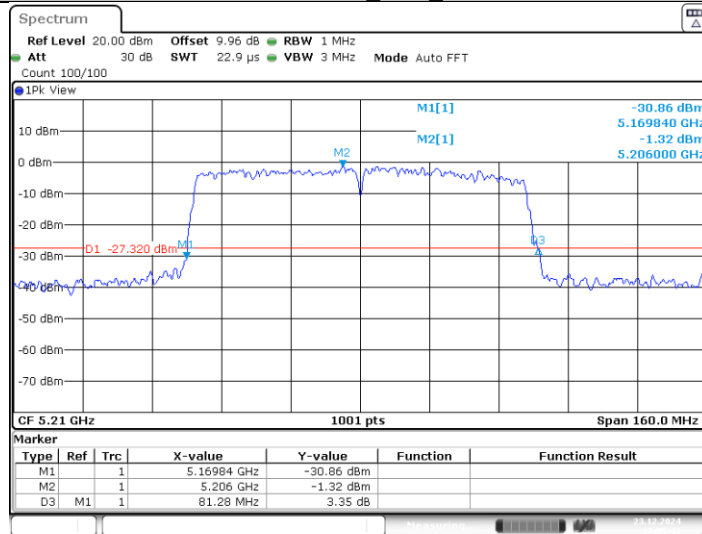
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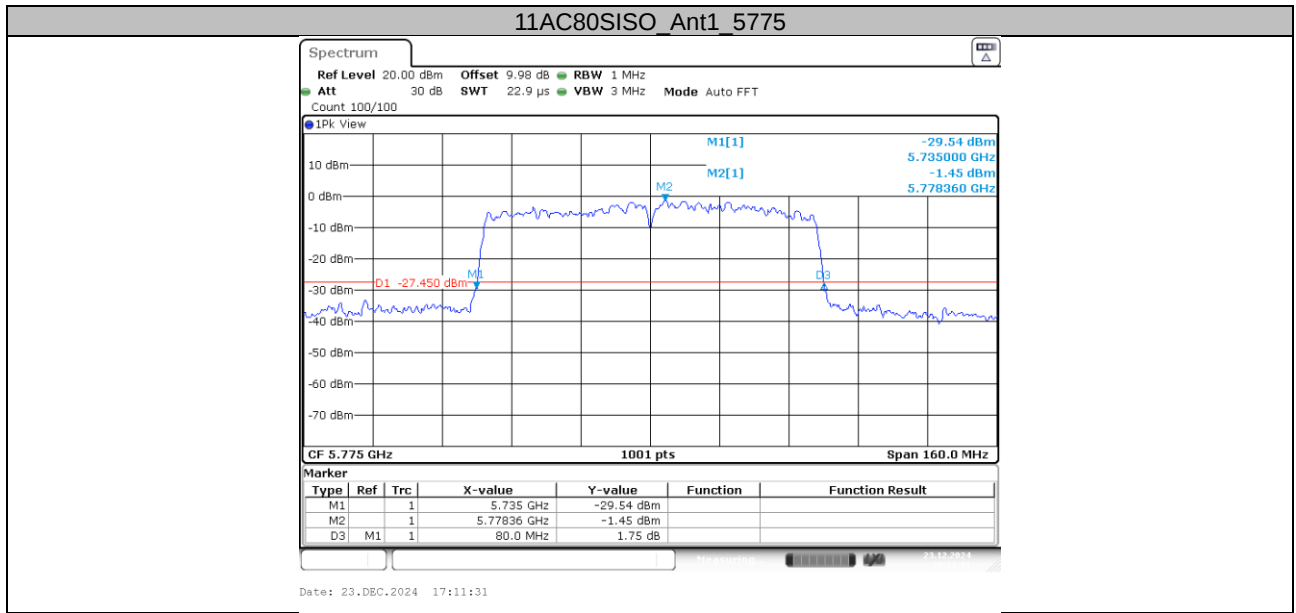


11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210

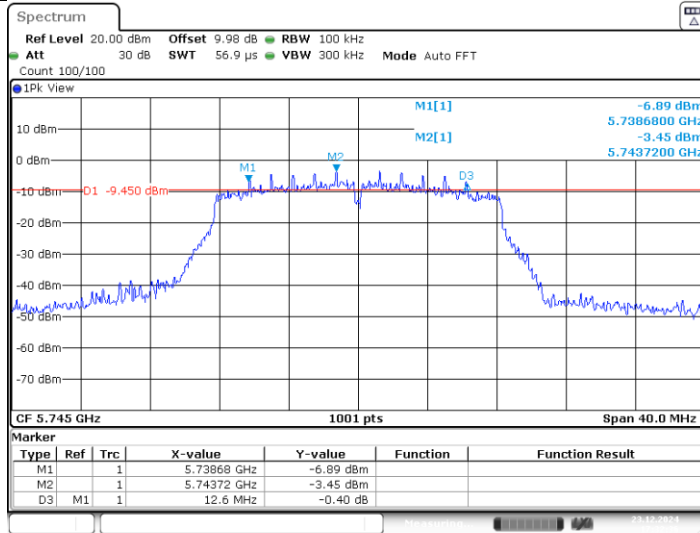




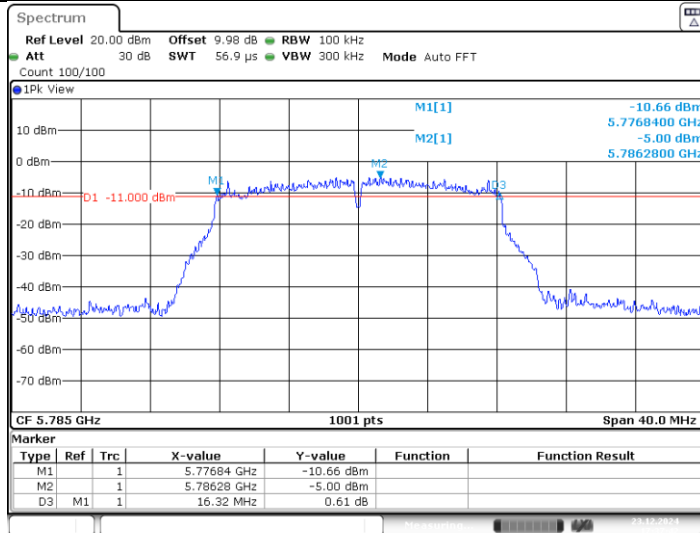
Min emission bandwidth

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	12.60	5738.68	5751.28	0.5	PASS
		5785	16.32	5776.84	5793.16	0.5	PASS
		5825	14.08	5817.20	5831.28	0.5	PASS
11N20SISO	Ant1	5745	17.56	5736.20	5753.76	0.5	PASS
		5785	17.32	5776.48	5793.80	0.5	PASS
		5825	17.56	5816.20	5833.76	0.5	PASS
11N40SISO	Ant1	5755	35.36	5737.16	5772.52	0.5	PASS
		5795	30.08	5782.44	5812.52	0.5	PASS
11AC20SISO	Ant1	5745	17.56	5736.20	5753.76	0.5	PASS
		5785	17.56	5776.20	5793.76	0.5	PASS
		5825	17.56	5816.20	5833.76	0.5	PASS
11AC40SISO	Ant1	5755	28.16	5740.60	5768.76	0.5	PASS
		5795	32.56	5777.48	5810.04	0.5	PASS
11AC80SISO	Ant1	5775	67.20	5737.40	5804.60	0.5	PASS

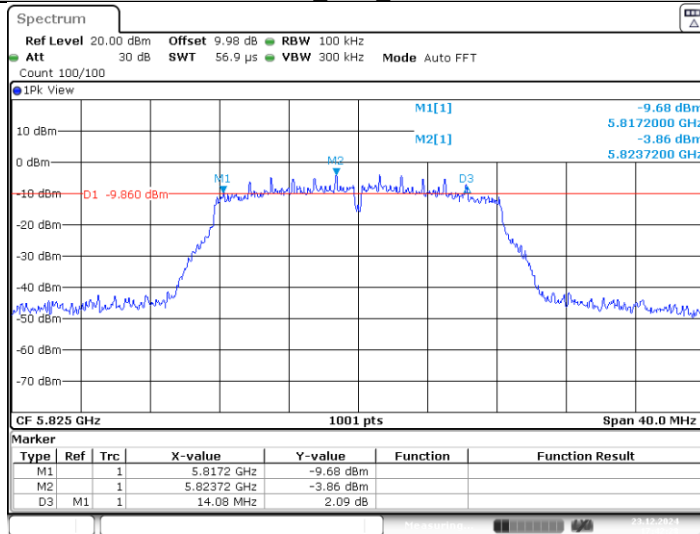
11A_Ant1_5745



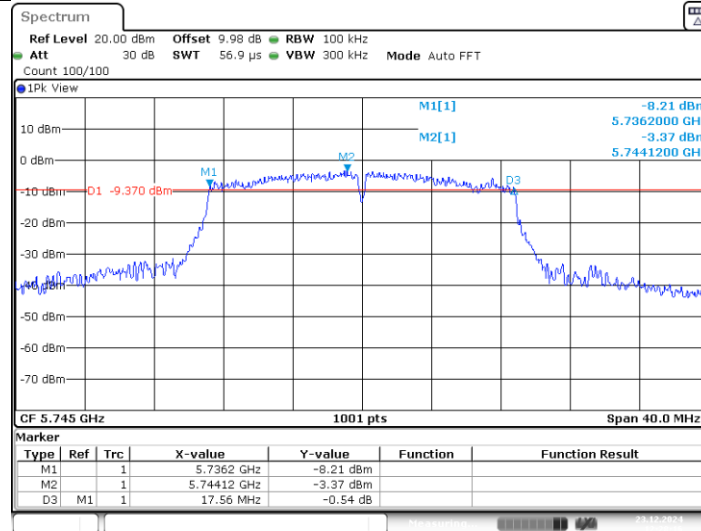
11A_Ant1_5785



11A_Ant1_5825

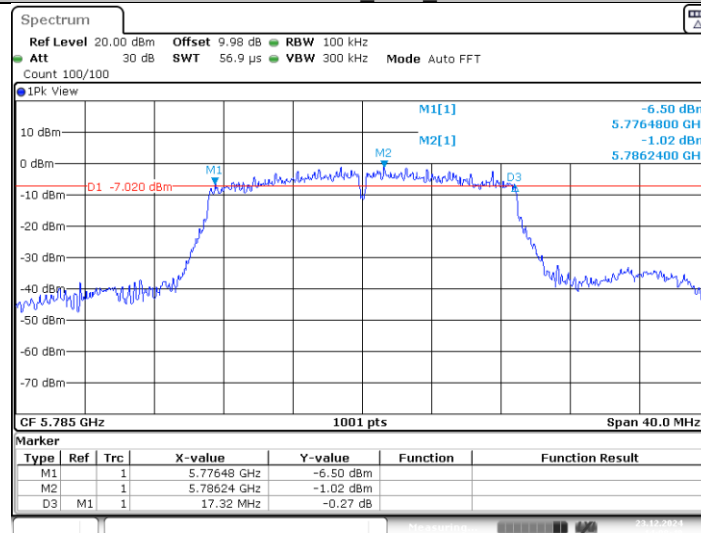


11N20SISO_Ant1_5745



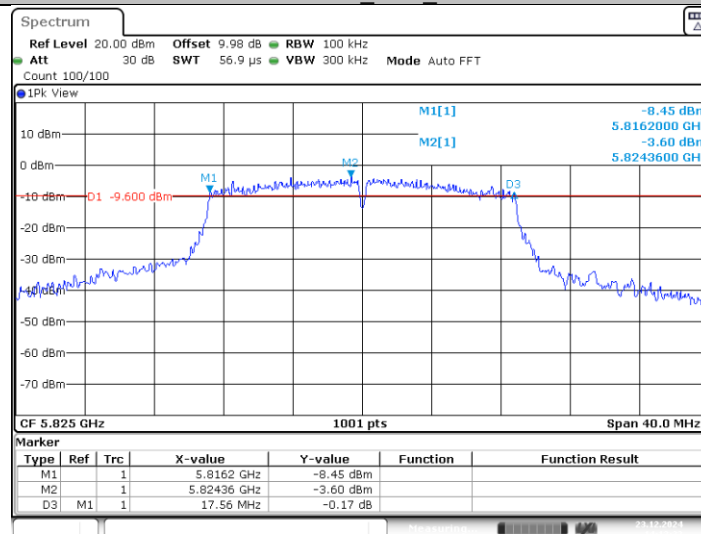
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11N20SISO_Ant1_5785



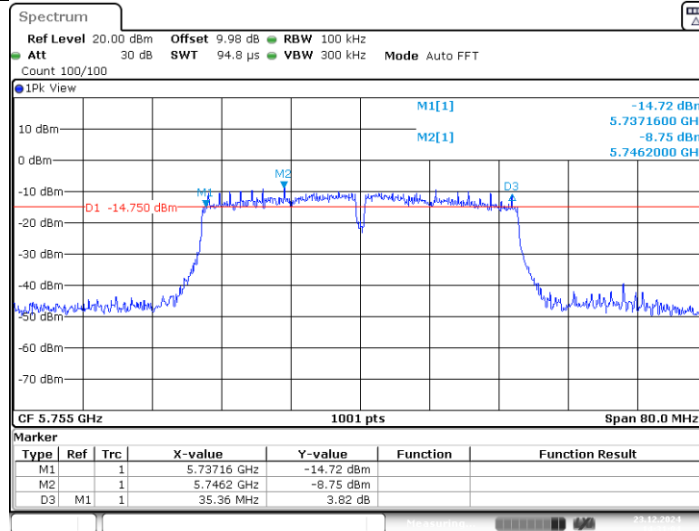
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11N20SISO_Ant1_5825



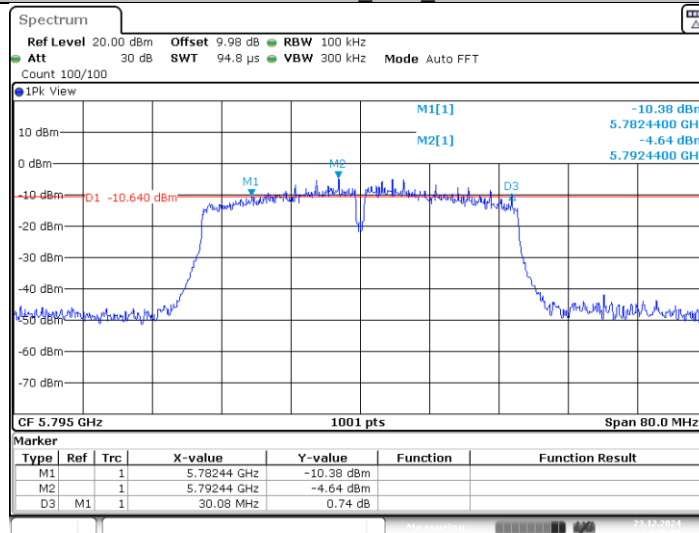
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11N40SISO_Ant1_5755



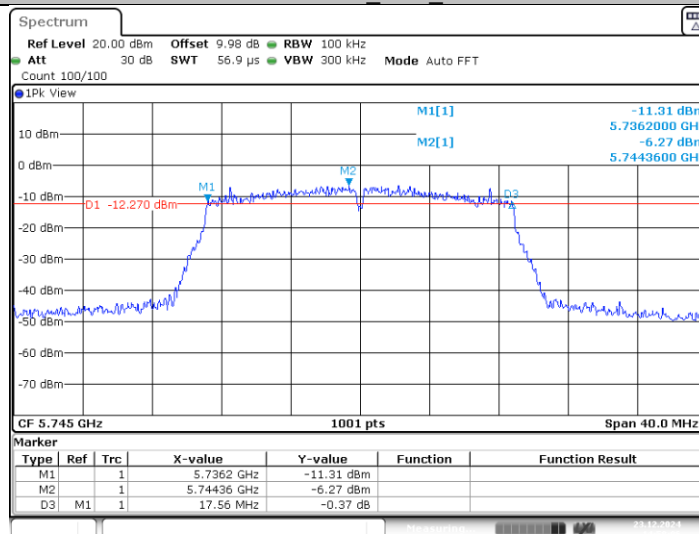
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11N40SISO_Ant1_5795



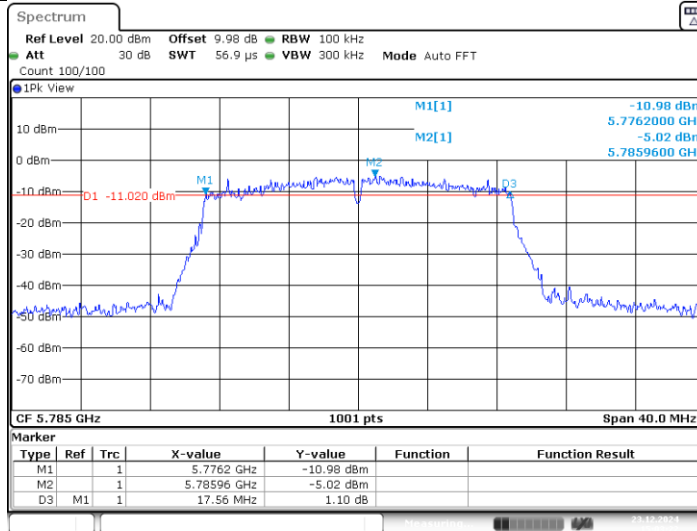
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11AC20SISO_Ant1_5745

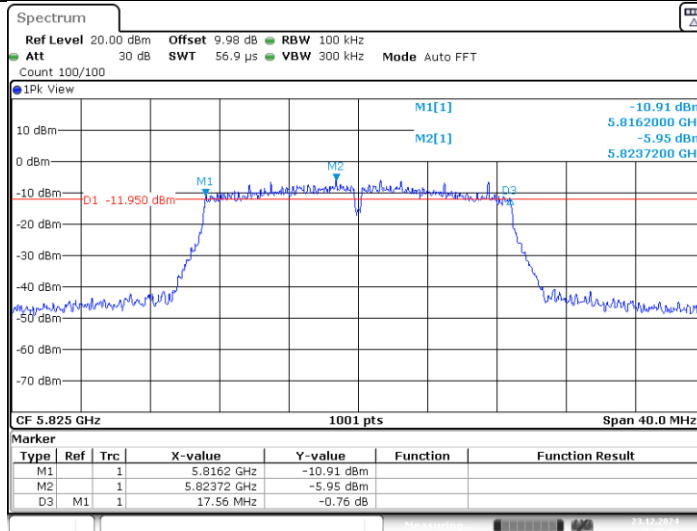


Date: 23.DEC.2024 14:58:05

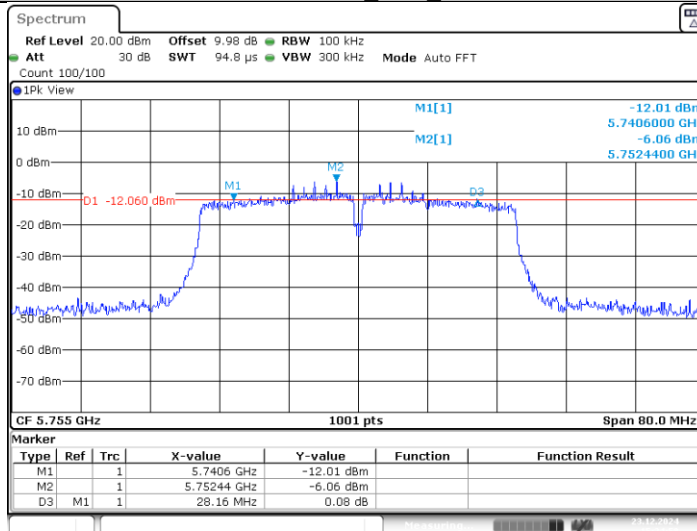
11AC20SISO_Ant1_5785

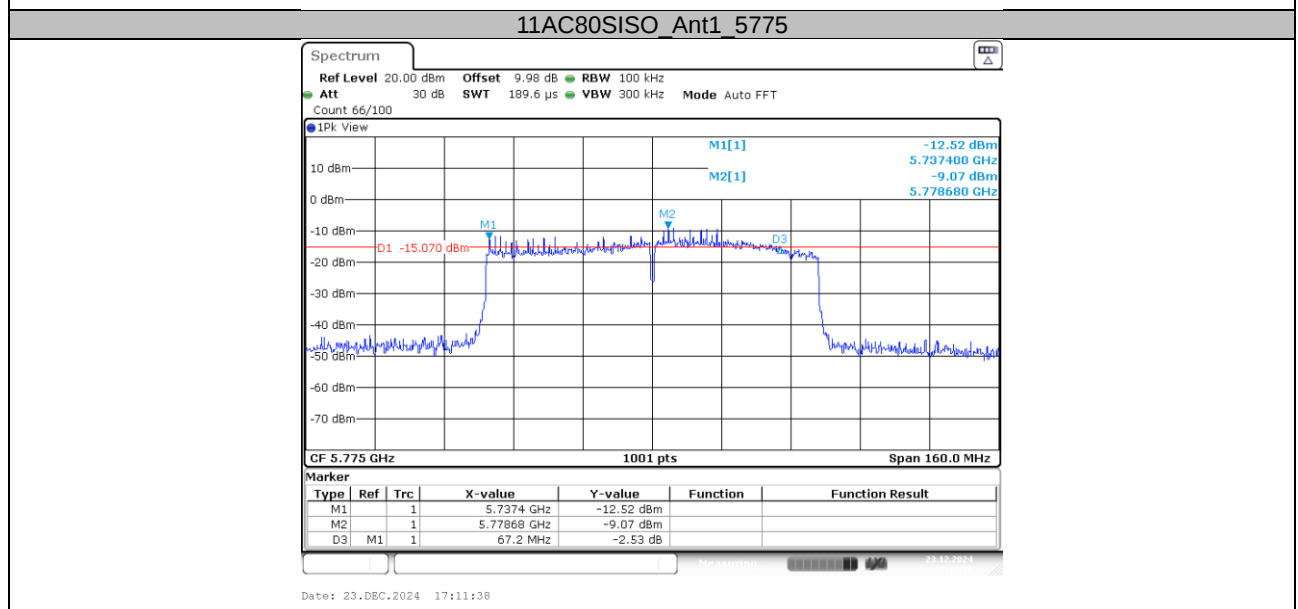
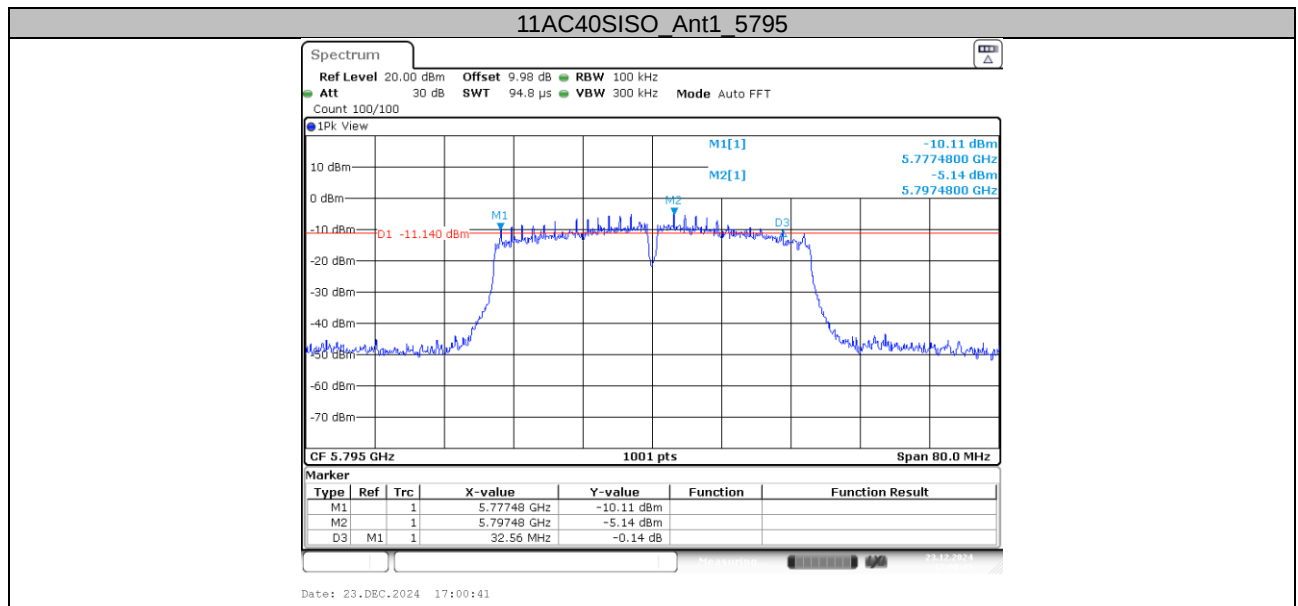


11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



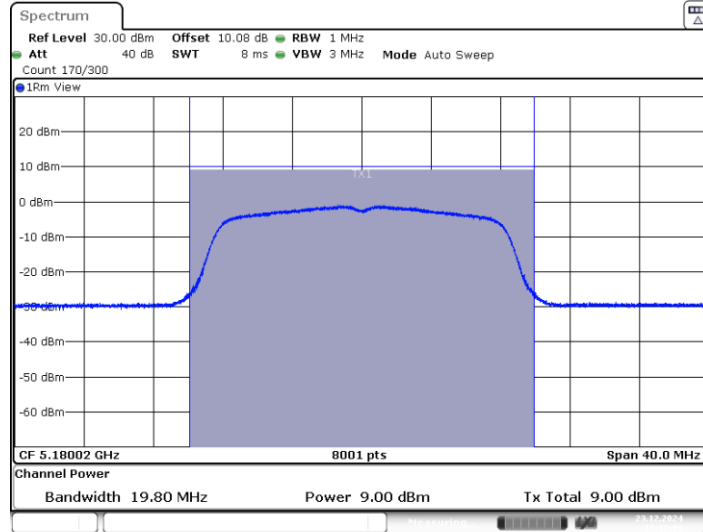


APPENDIX F - MAXIMUM OUTPUT POWER

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	8.88	97.20	0.12	9.00	≤23.98	PASS
		5200	7.94	97.20	0.12	8.06	≤23.98	PASS
		5240	8.05	97.90	0.09	8.14	≤23.98	PASS
		5745	6.91	97.90	0.09	7.00	≤30.00	PASS
		5785	8.18	97.90	0.09	8.27	≤30.00	PASS
		5825	6.68	97.20	0.12	6.80	≤30.00	PASS
11N20SISO	Ant1	5180	9.22	97.01	0.13	9.35	≤23.98	PASS
		5200	8.35	97.01	0.13	8.48	≤23.98	PASS
		5240	11.57	97.74	0.10	11.67	≤23.98	PASS
		5745	10.25	97.01	0.13	10.38	≤30.00	PASS
		5785	11.42	97.01	0.13	11.55	≤30.00	PASS
		5825	9.71	96.99	0.13	9.84	≤30.00	PASS
11N40SISO	Ant1	5190	8.38	94.20	0.26	8.64	≤23.98	PASS
		5230	7.94	95.59	0.20	8.14	≤23.98	PASS
		5755	6.44	94.20	0.26	6.70	≤30.00	PASS
		5795	8.61	94.20	0.26	8.87	≤30.00	PASS
11AC20SISO	Ant1	5180	8.73	97.04	0.13	8.86	≤23.98	PASS
		5200	8.27	97.78	0.10	8.37	≤23.98	PASS
		5240	8.41	97.04	0.13	8.54	≤23.98	PASS
		5745	7.11	97.04	0.13	7.24	≤30.00	PASS
		5785	8.27	97.04	0.13	8.40	≤30.00	PASS
		5825	6.67	97.04	0.13	6.80	≤30.00	PASS
11AC40SISO	Ant1	5190	8.84	94.20	0.26	9.10	≤23.98	PASS
		5230	8.46	95.65	0.19	8.65	≤23.98	PASS
		5755	6.97	95.59	0.20	7.17	≤30.00	PASS
		5795	8.03	94.20	0.26	8.29	≤30.00	PASS
11AC80SISO	Ant1	5210	8.03	91.67	0.38	8.41	≤23.98	PASS
		5775	7.12	91.67	0.38	7.50	≤30.00	PASS

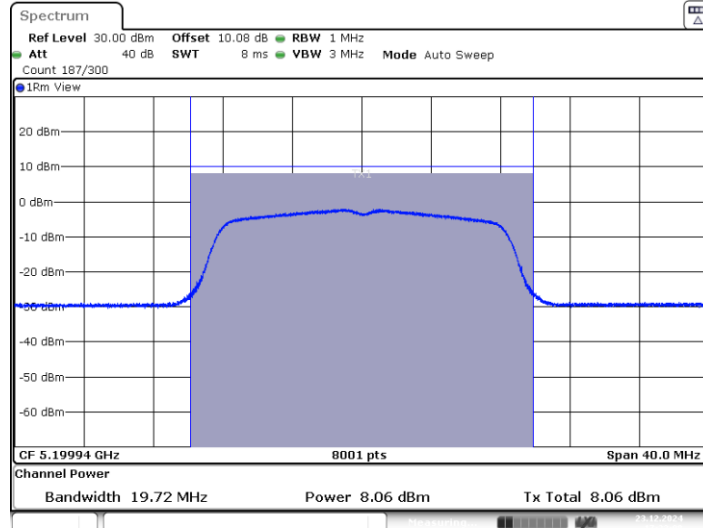
Note: The Duty Cycle Factor is compensated in the graph.

11A_Ant1_5180



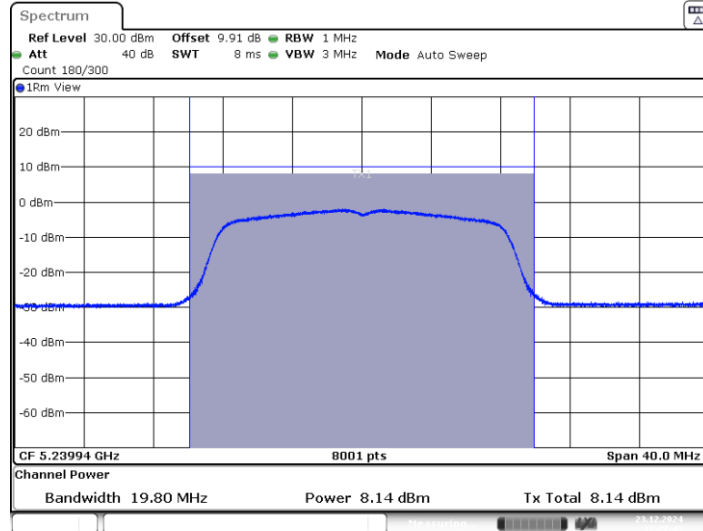
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11A_Ant1_5200



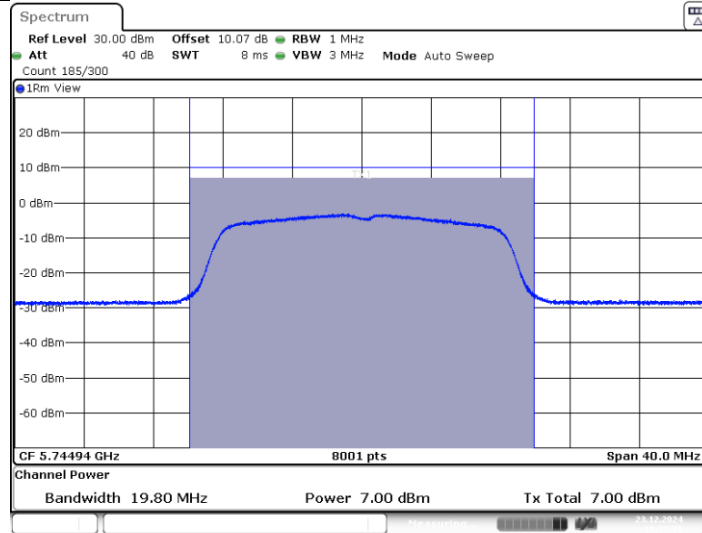
Date: 23.DEC.2024 17:23:08

11A_Ant1_5240

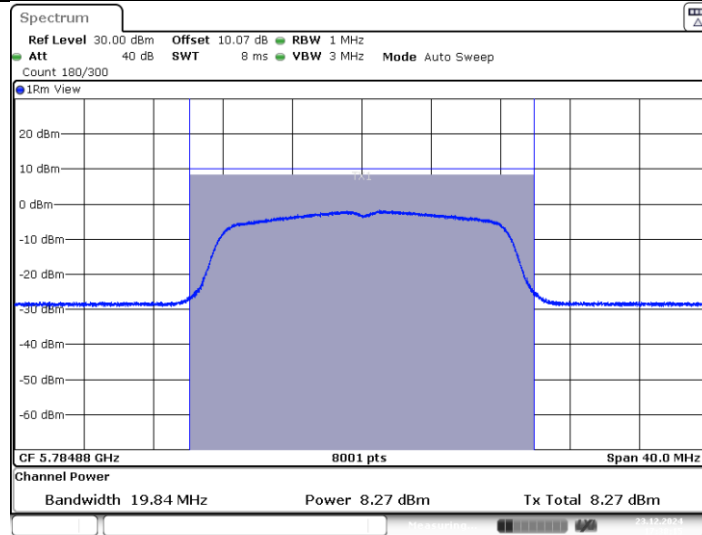


Date: 23.DEC.2024 17:27:44

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825

