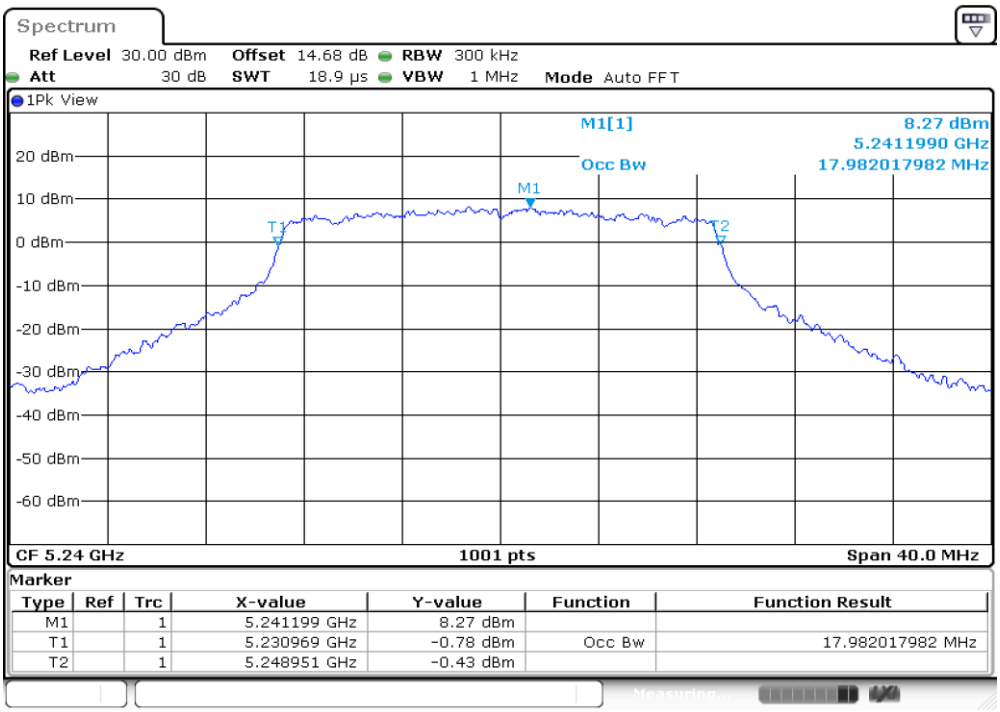
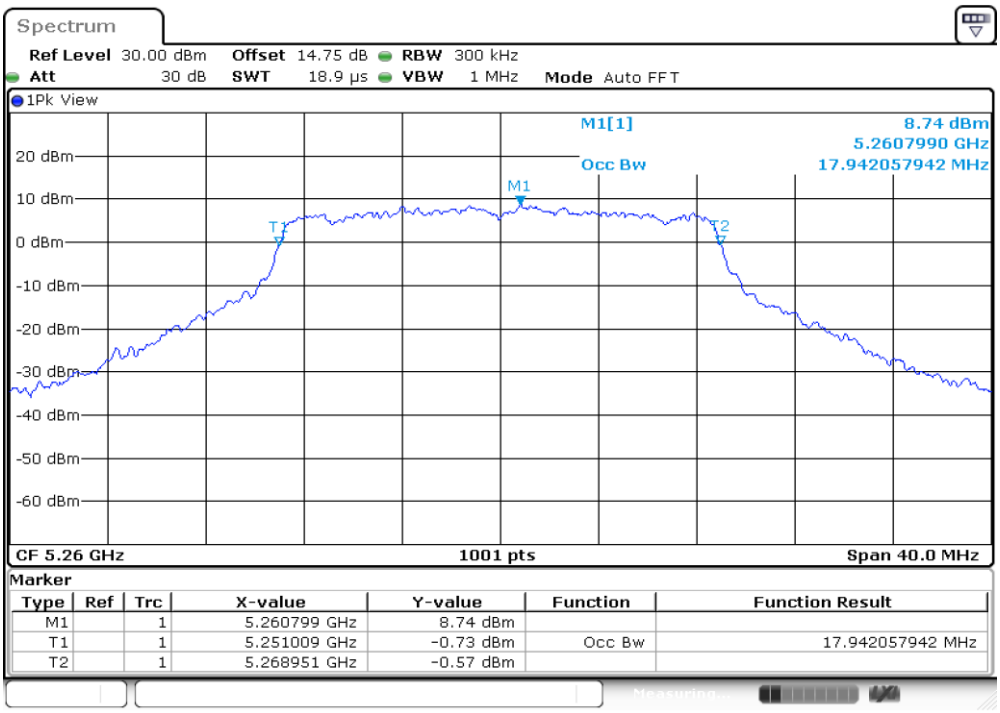
11AC20SISO_Ant6_5240



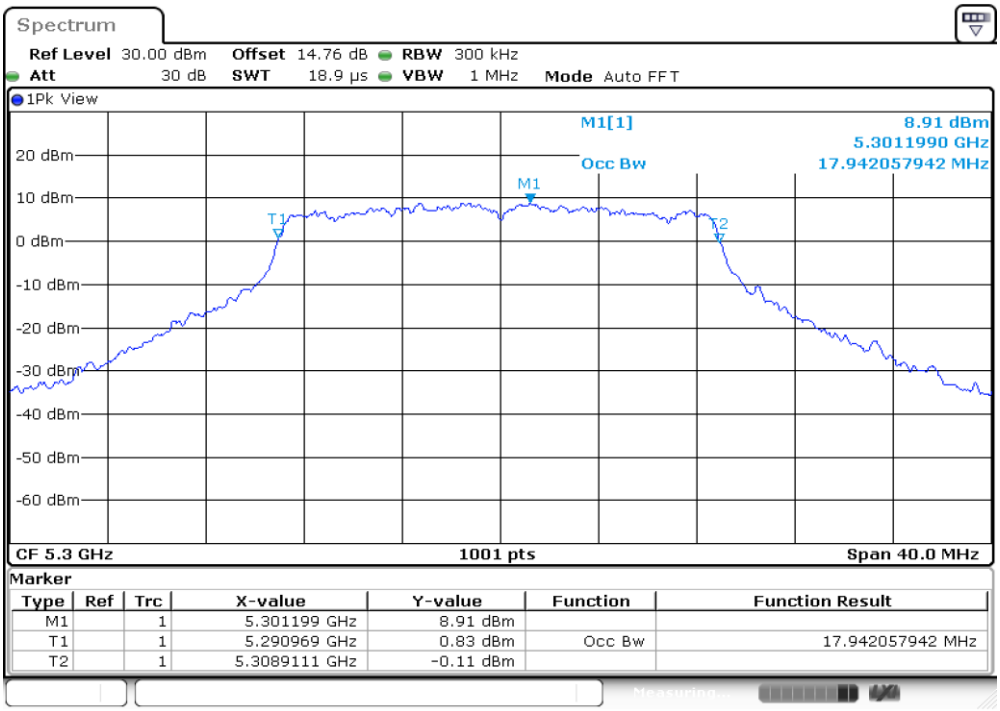
Date: 15.JUN.2023 15:50:51

11AC20SISO_Ant6_5260



Date: 15.JUN.2023 15:52:05

11AC20SISO_Ant6_5300



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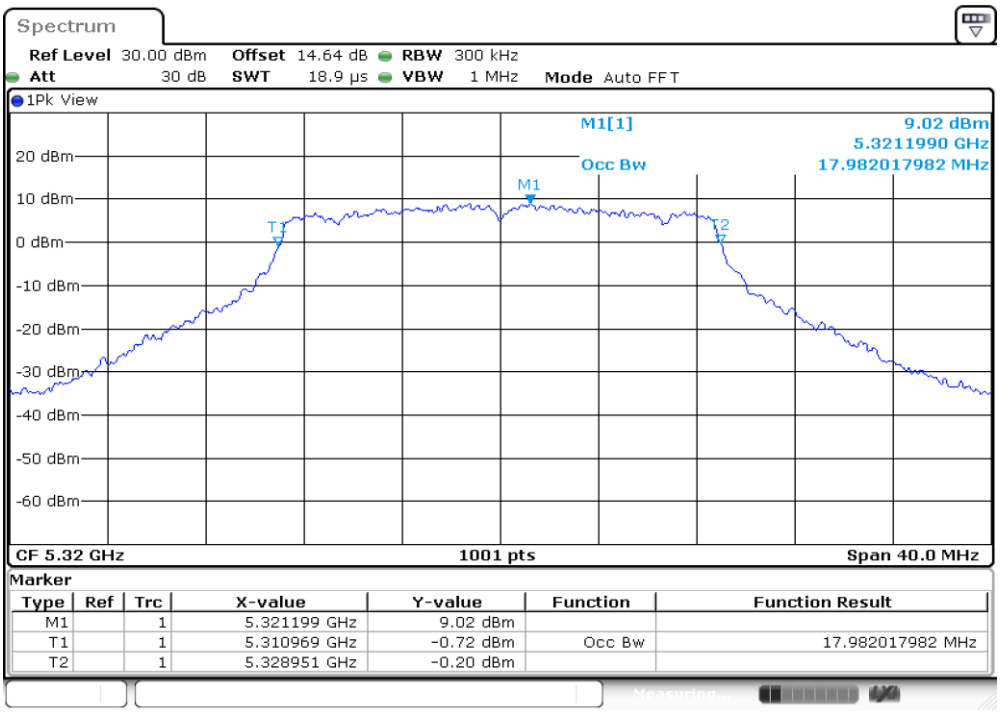
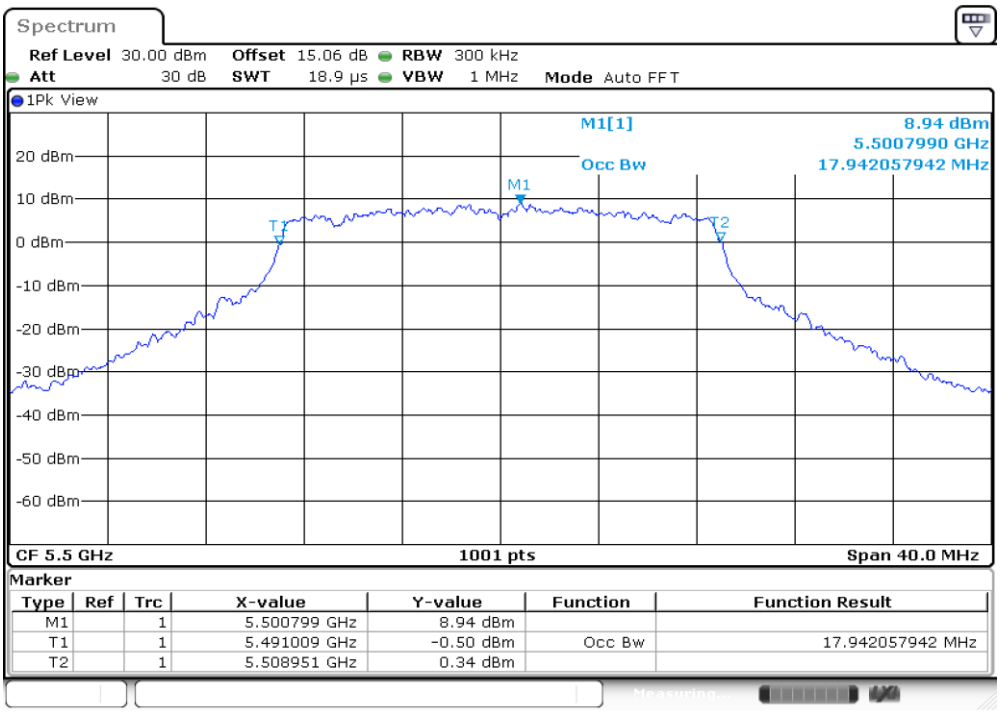
11AC20SISO_Ant6_5320



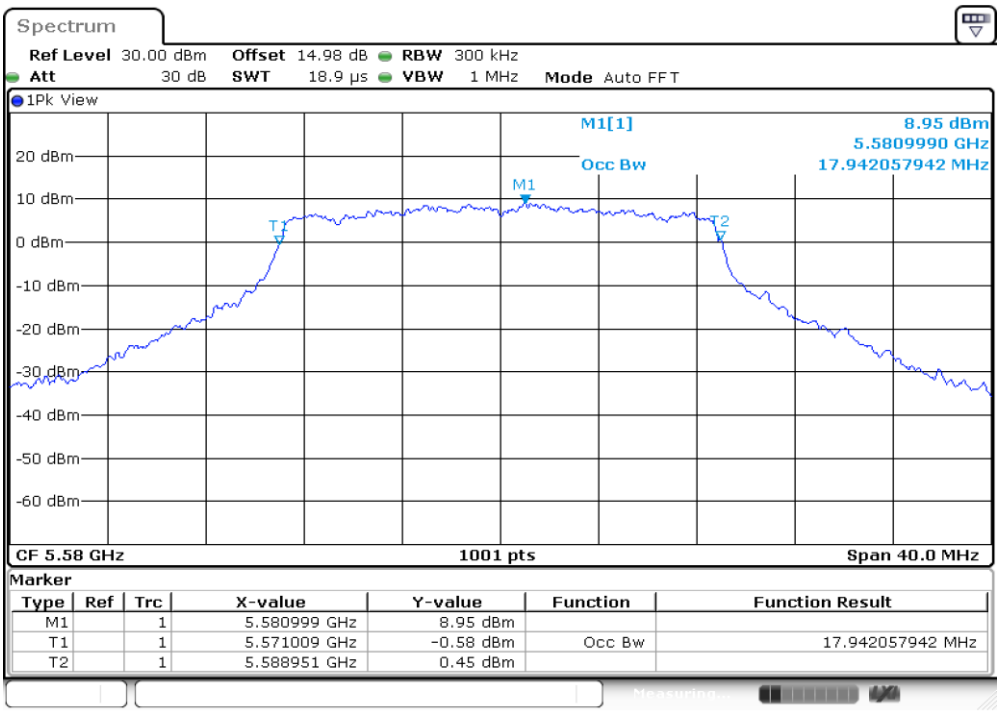
Date: 15.JUN.2023 15:55:17

11AC20SISO_Ant6_5500



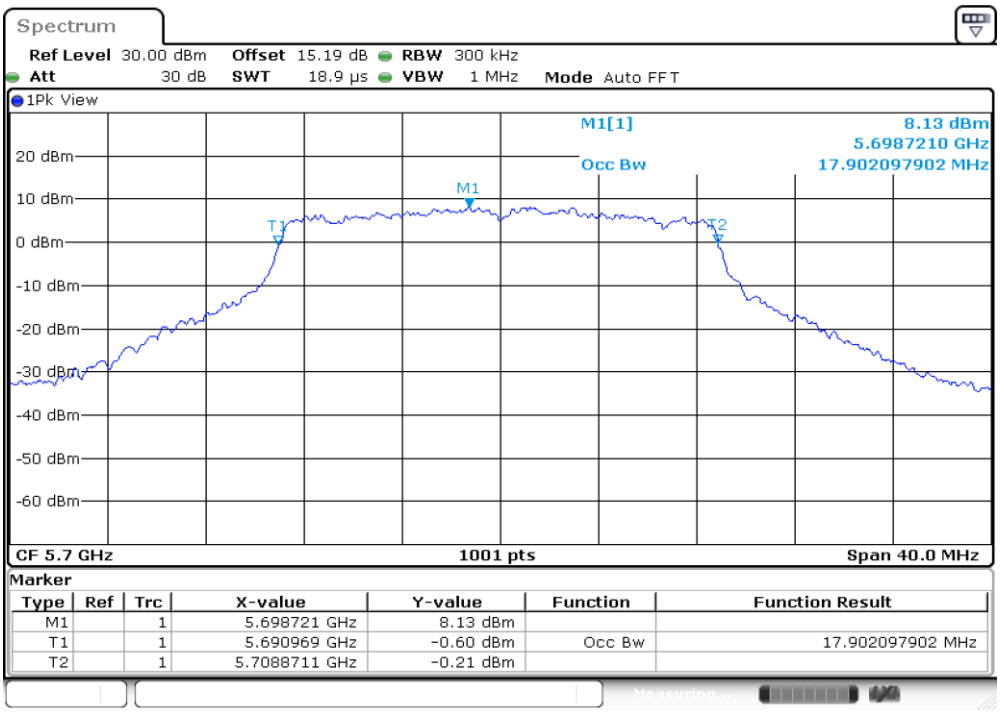
Date: 15.JUN.2023 15:56:16

11AC20SISO_Ant6_5580



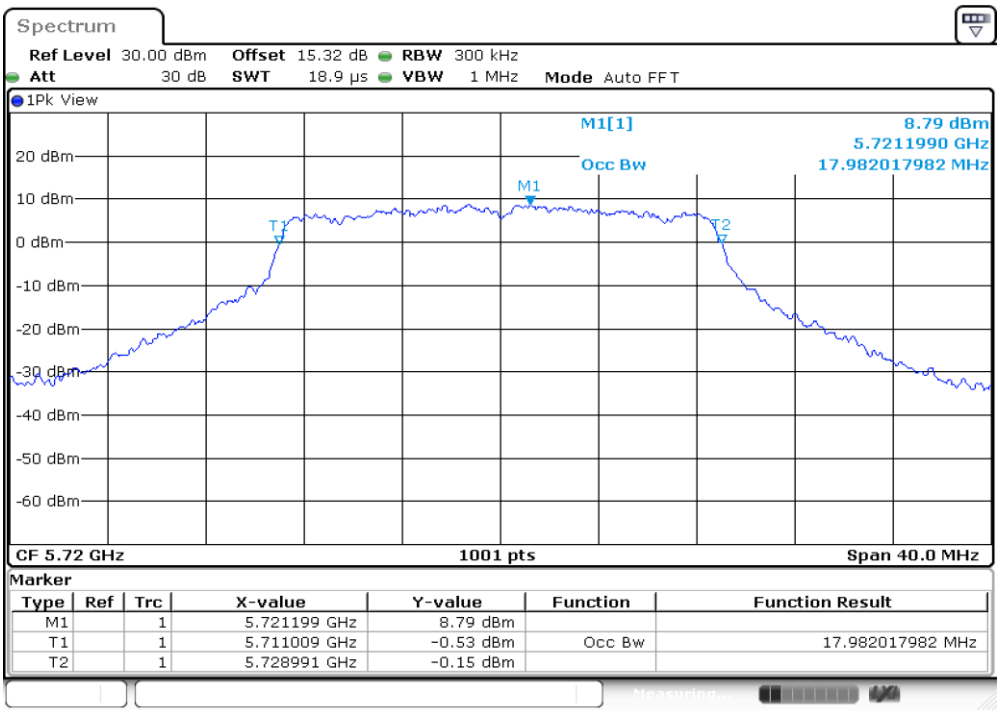
Date: 15.JUN.2023 15:57:28

11AC20SISO_Ant6_5700



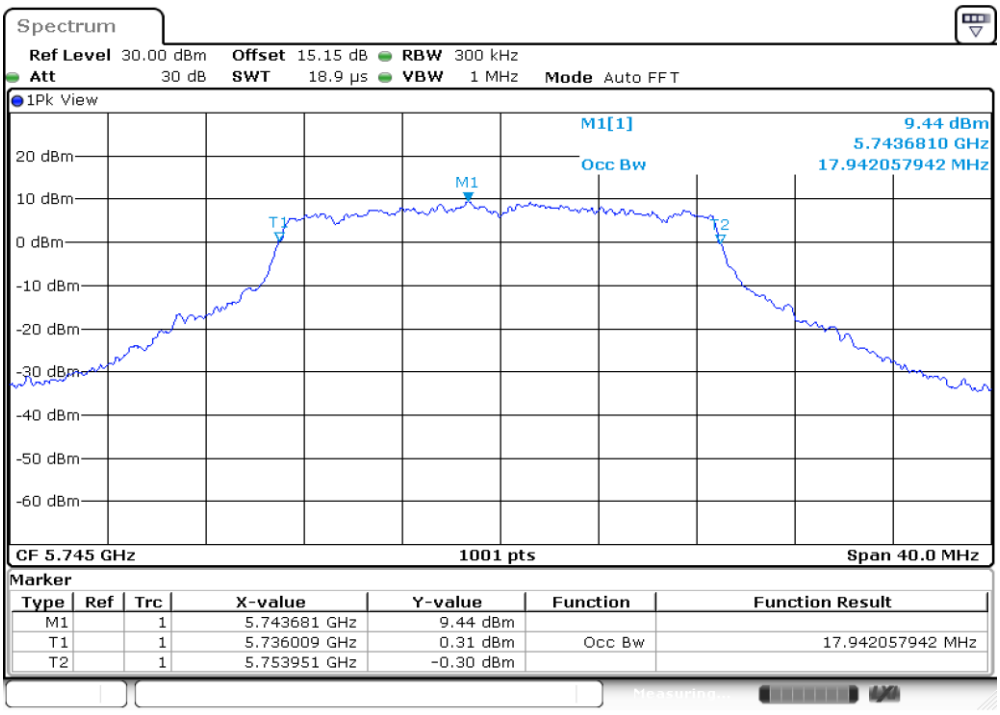
Date: 15.JUN.2023 15:58:23

11AC20SISO_Ant6_5720



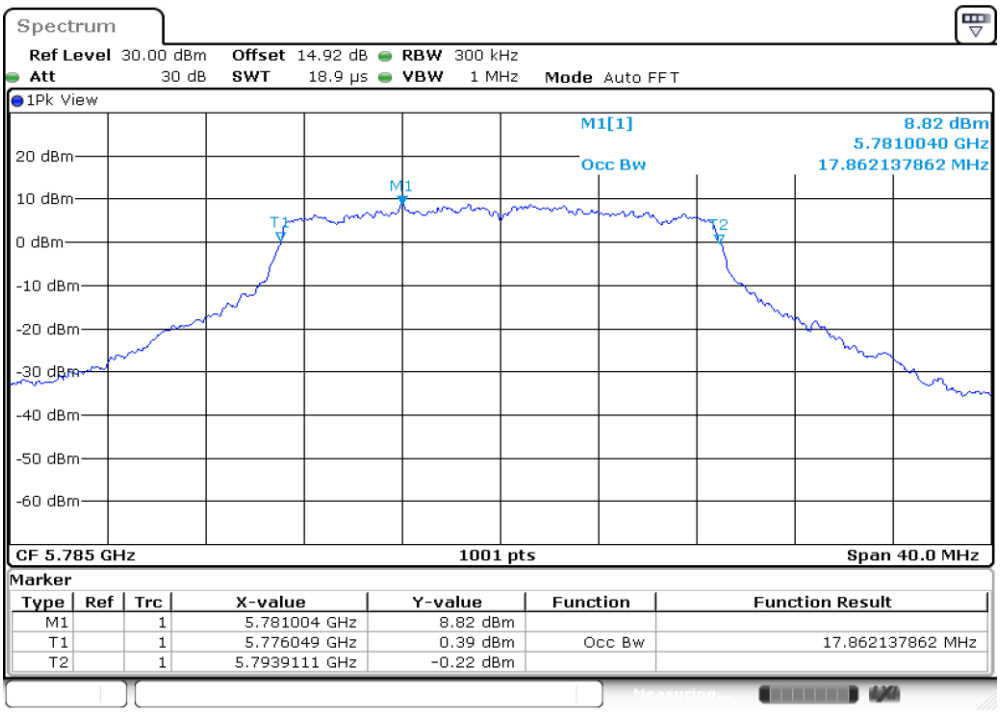
Date: 15.JUN.2023 15:59:17

11AC20SISO_Ant6_5745



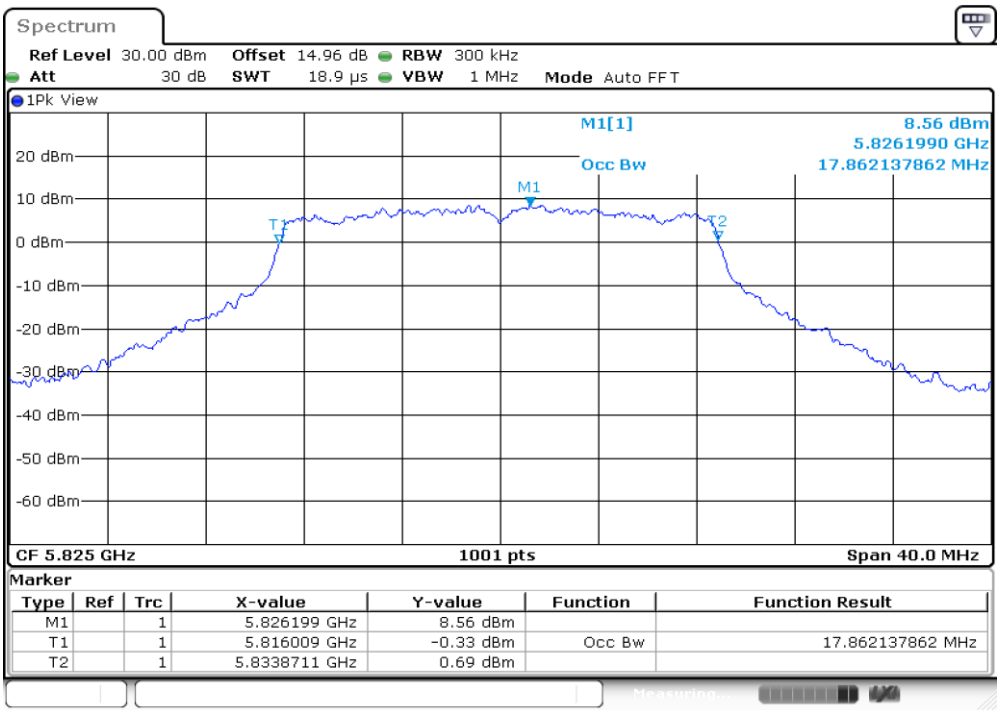
Date: 15.JUN.2023 16:00:27

11AC20SISO_Ant6_5785



Date: 15.JUN.2023 16:01:59

11AC20SISO_Ant6_5825



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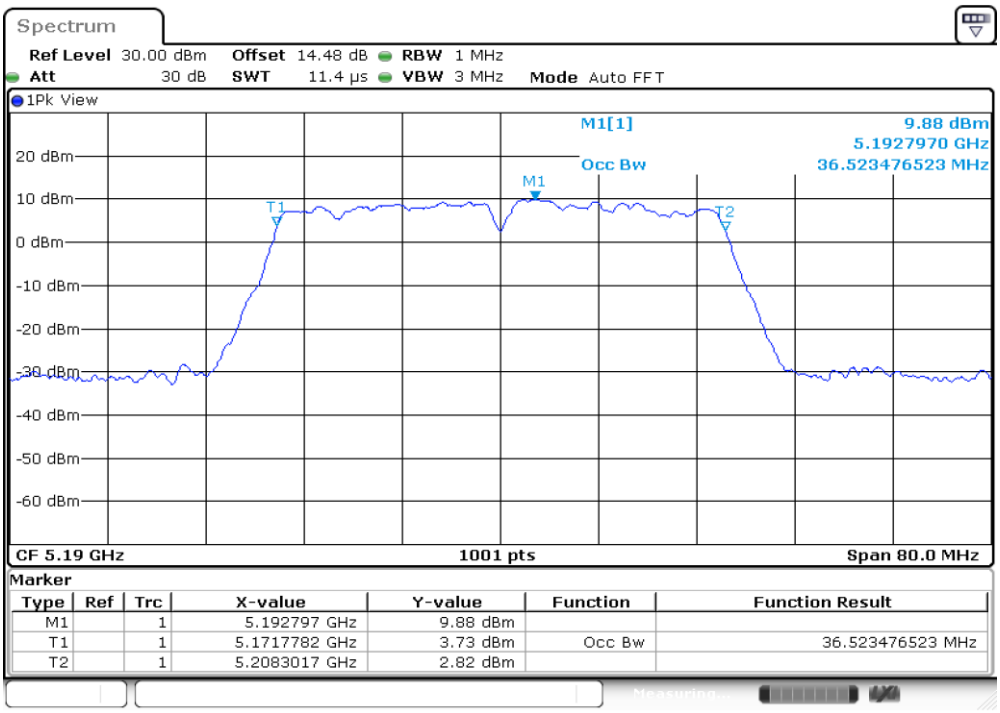

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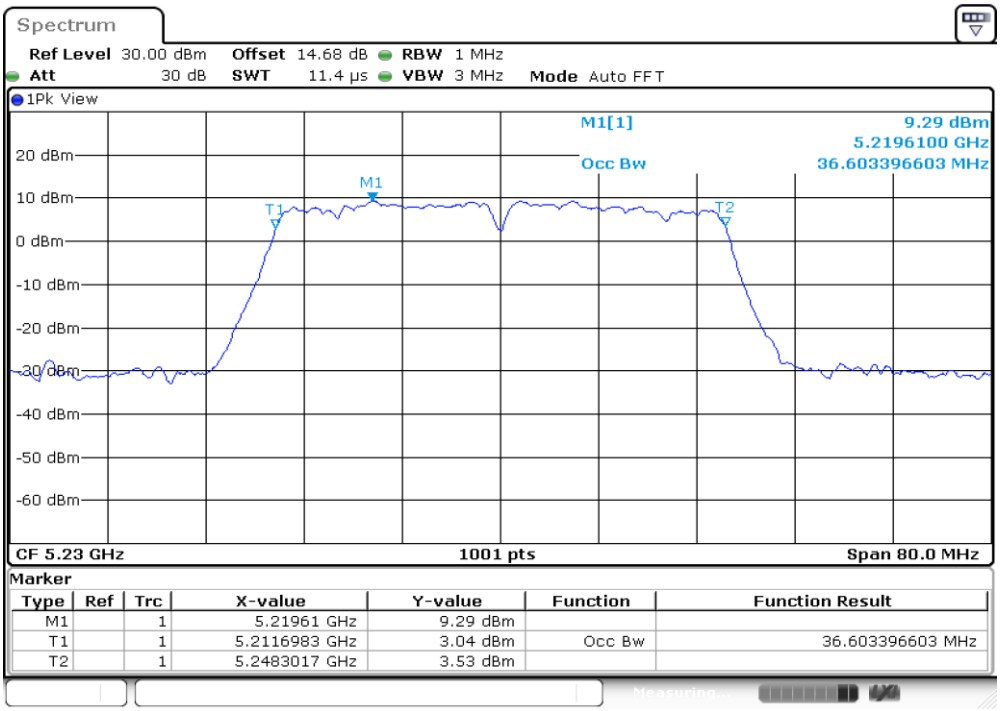

Date: 15.JUN.2023 16:06:51

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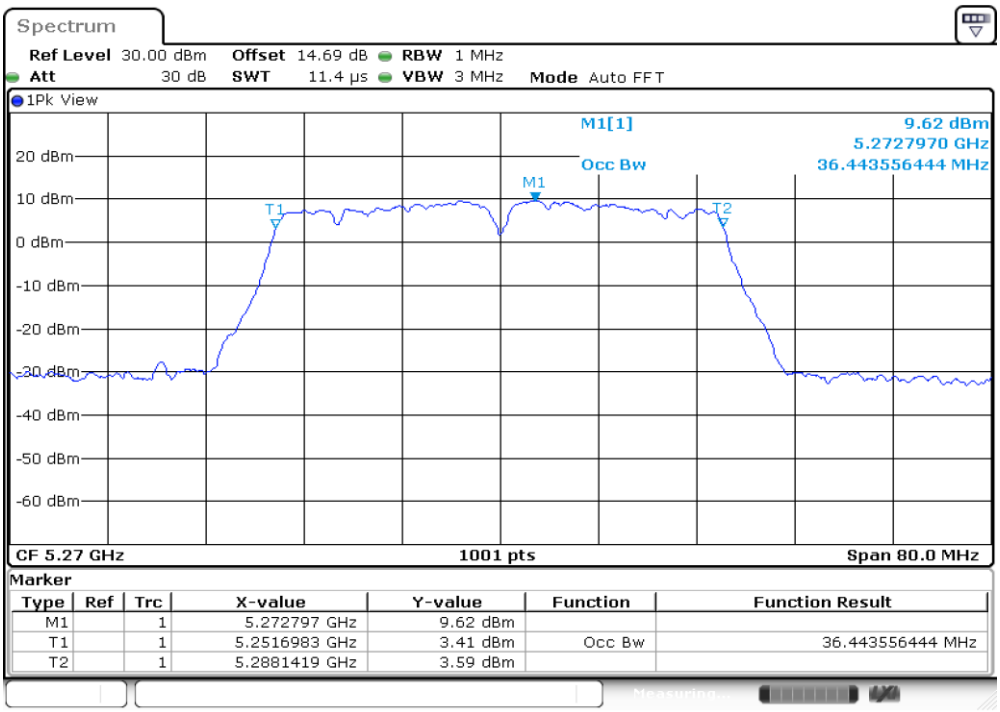
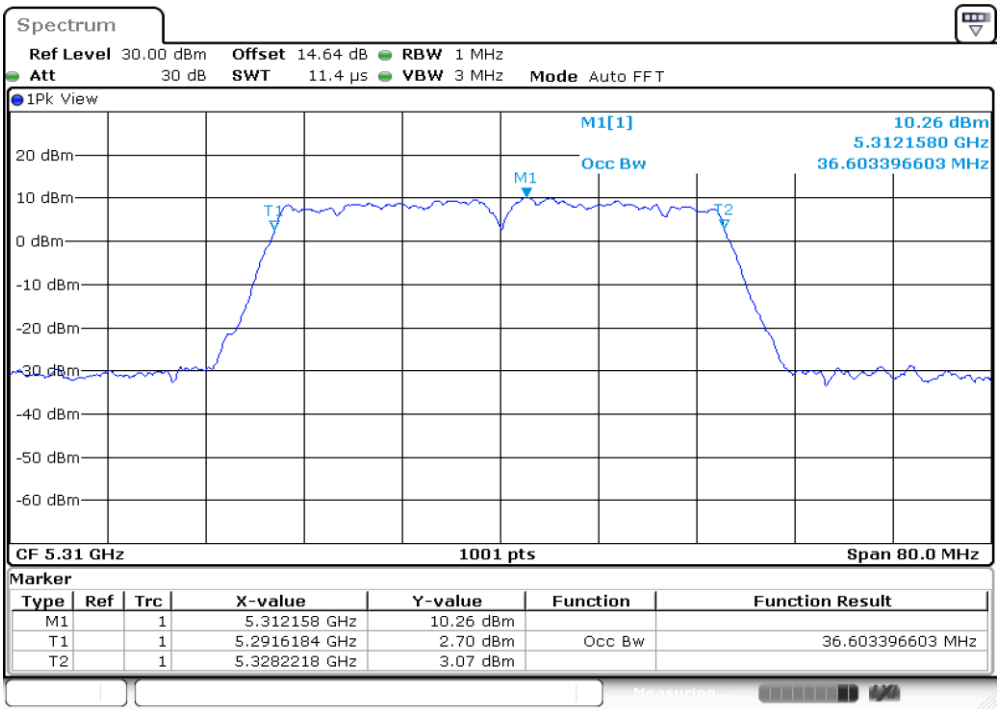


Date: 15.JUN.2023 16:08:16

11AC40SISO_Ant6_5310



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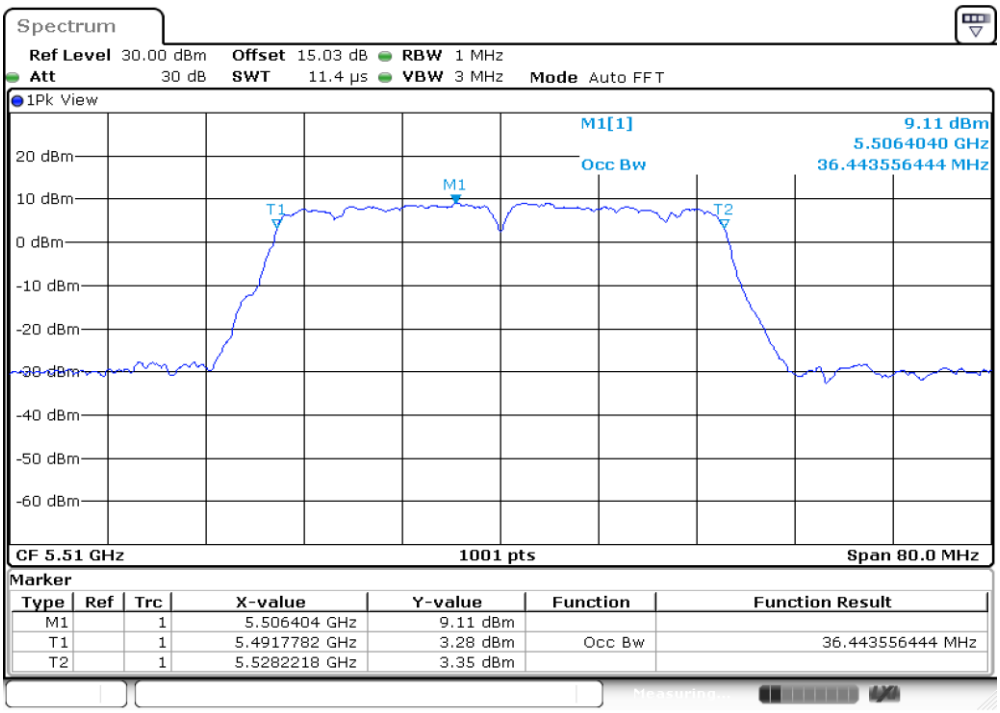

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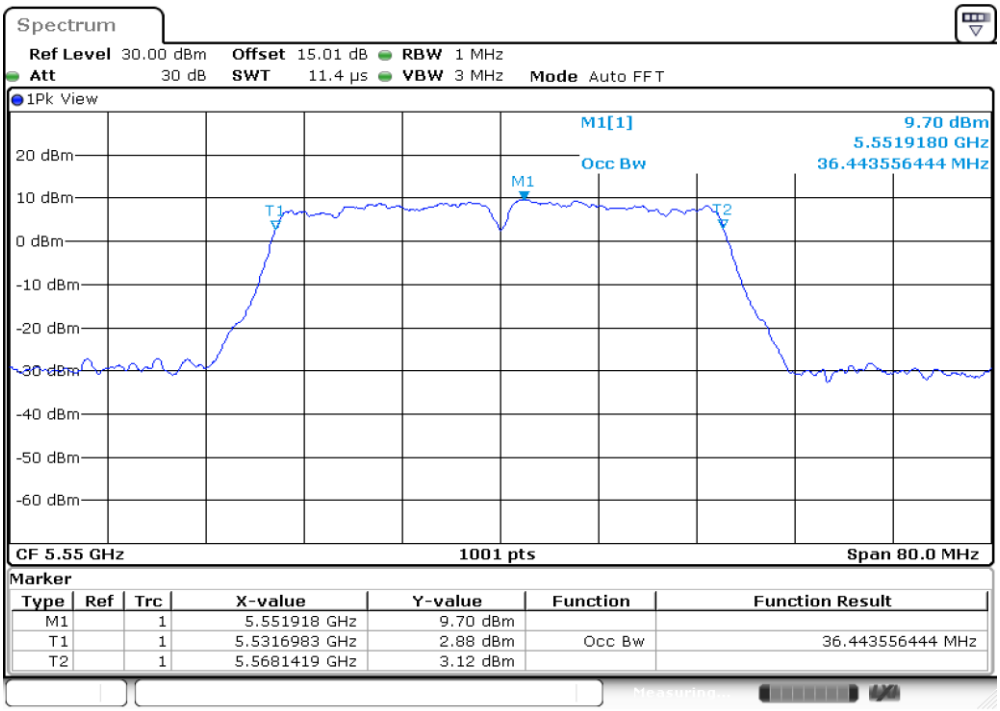

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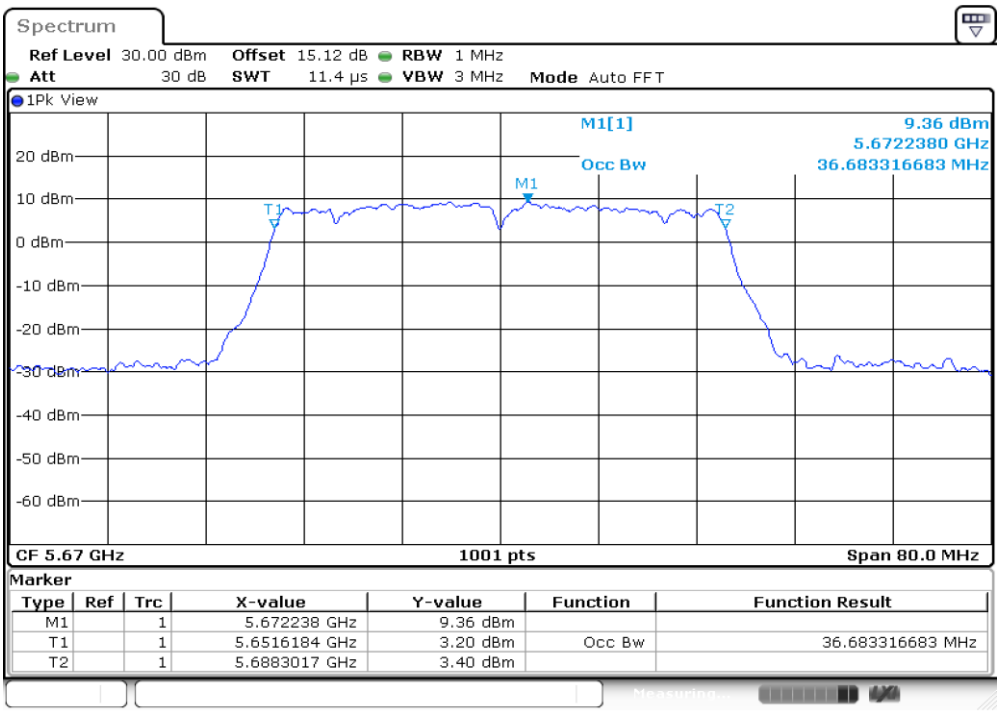
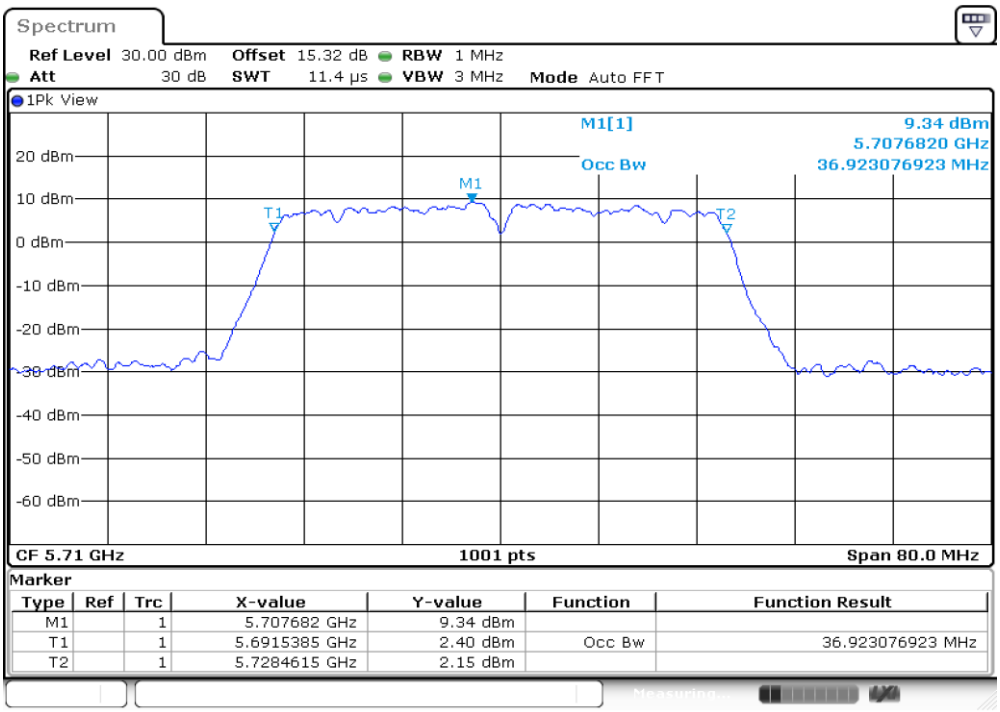
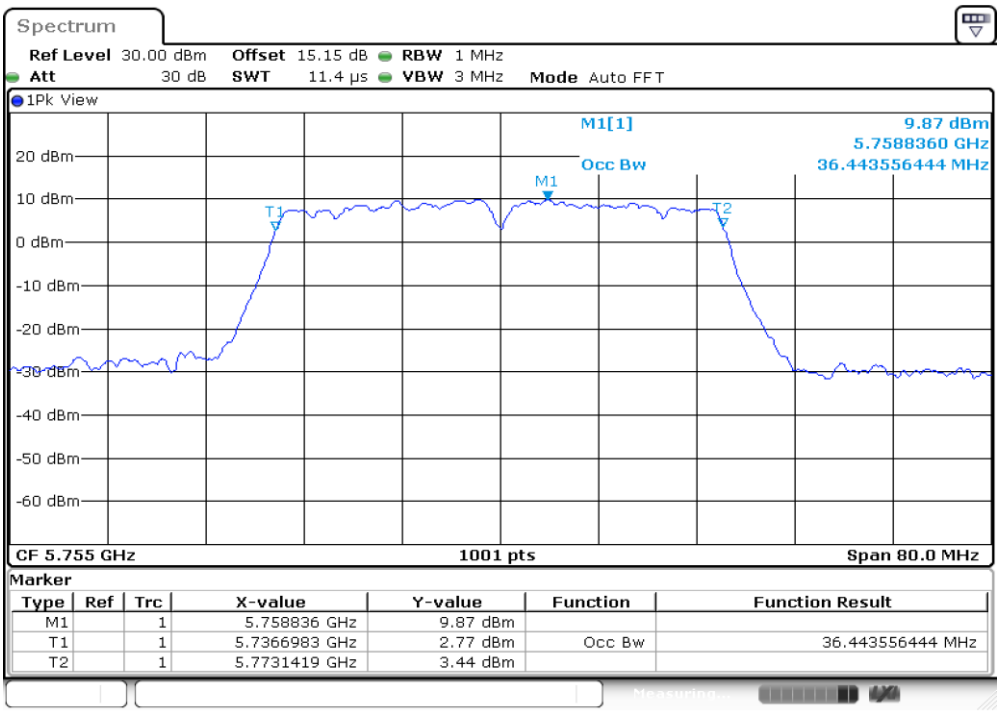


11AC40SISO_Ant6_5710



Date: 15.JUN.2023 16:14:05

11AC40SISO_Ant6_5755



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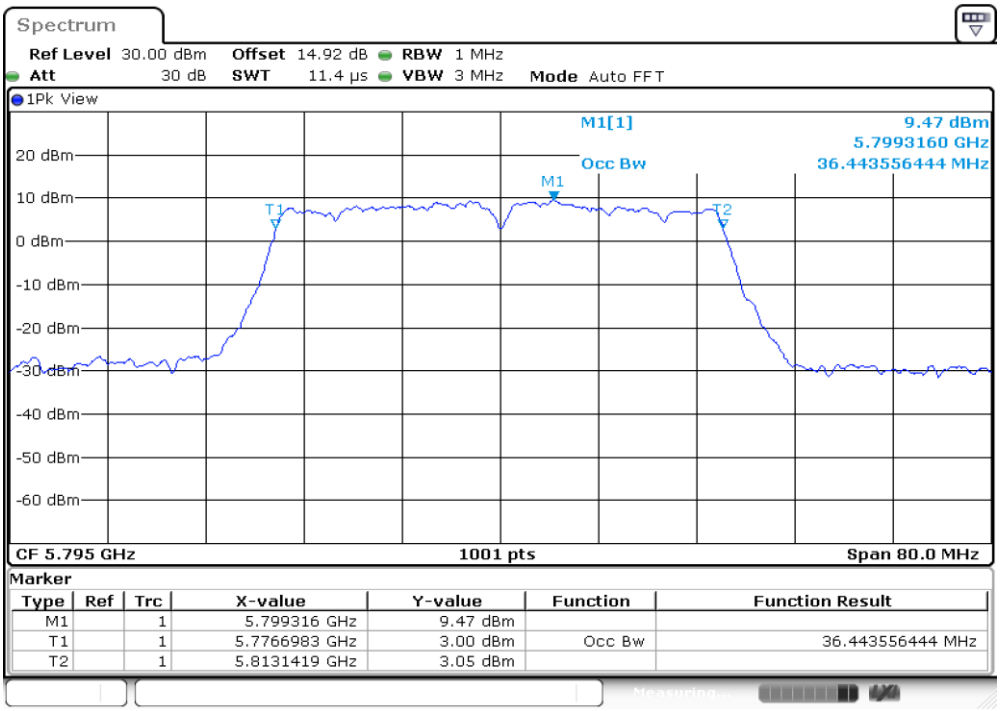
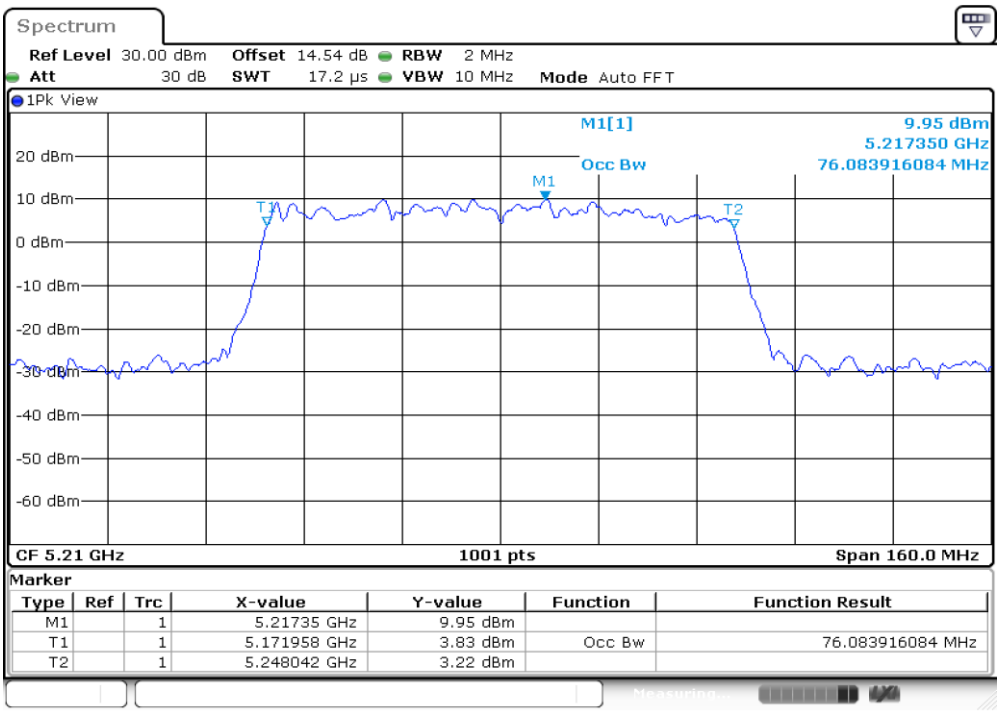
11AC40SISO_Ant6_5795



11AC80SISO_Ant6_5210



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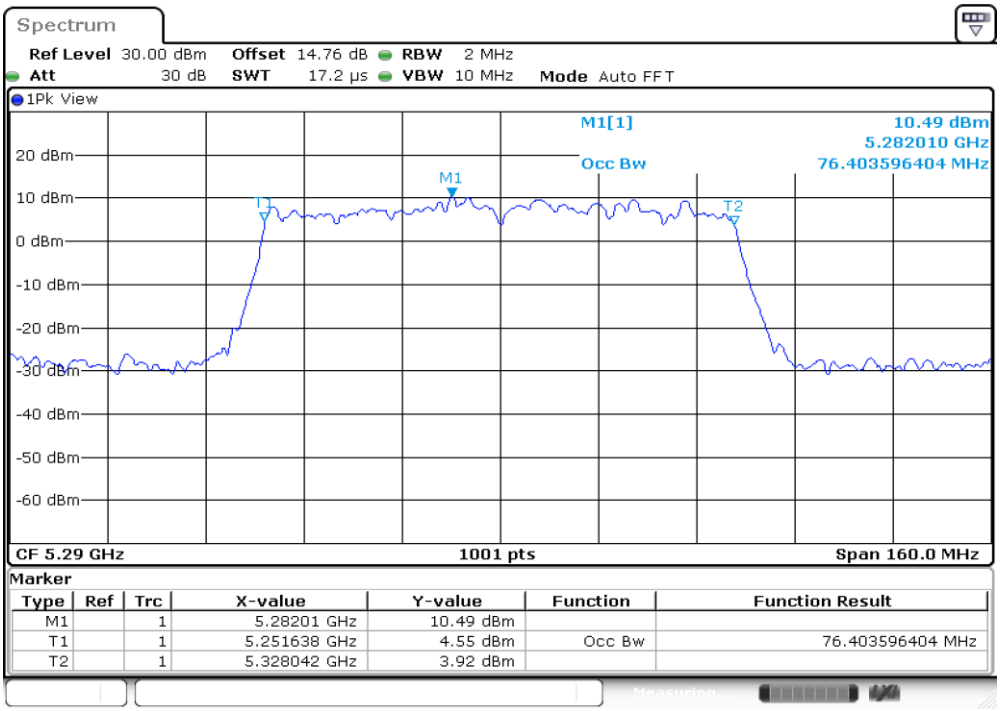

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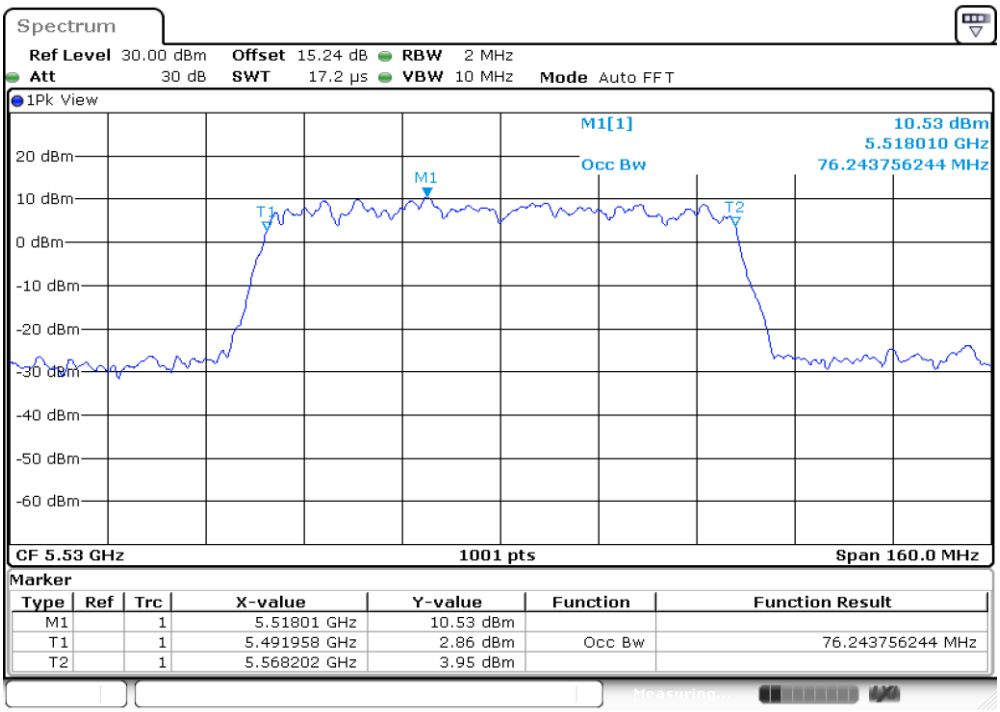

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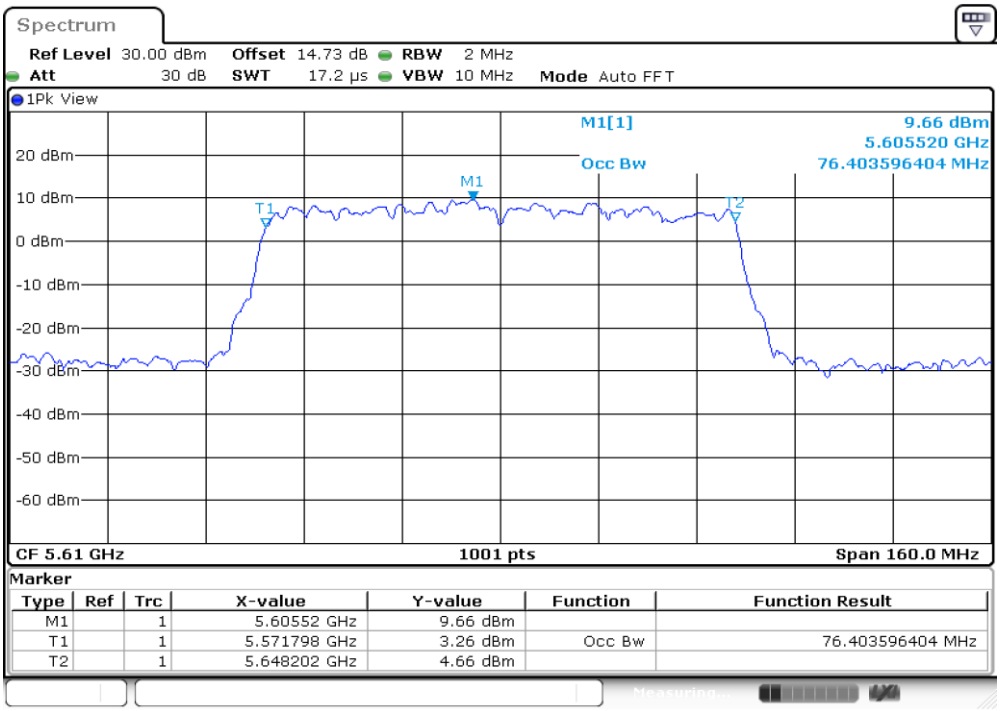
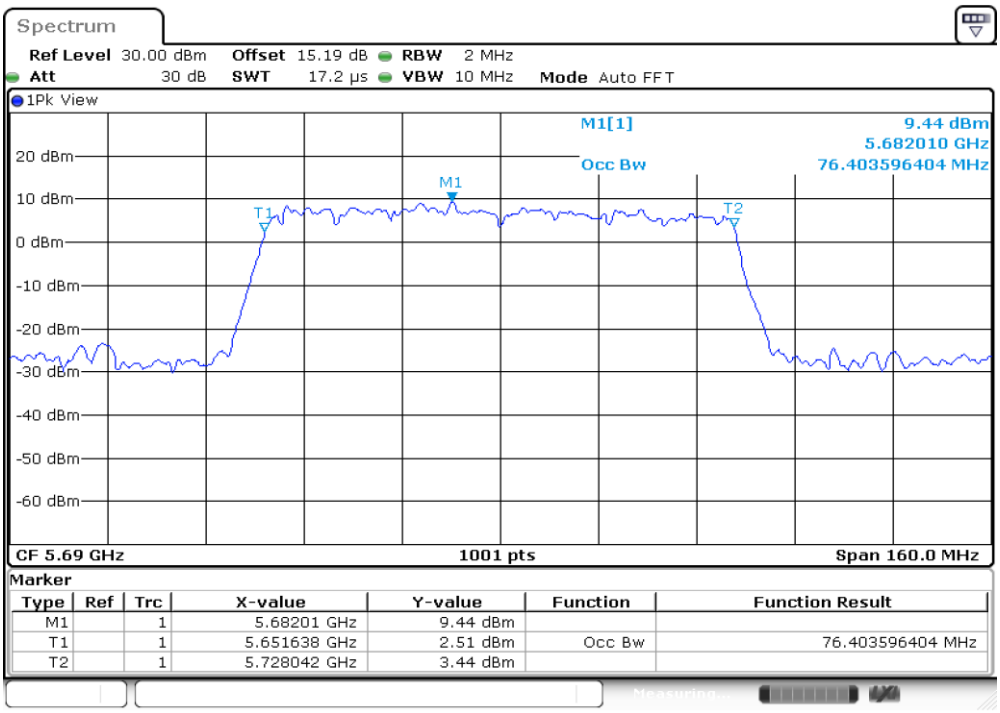
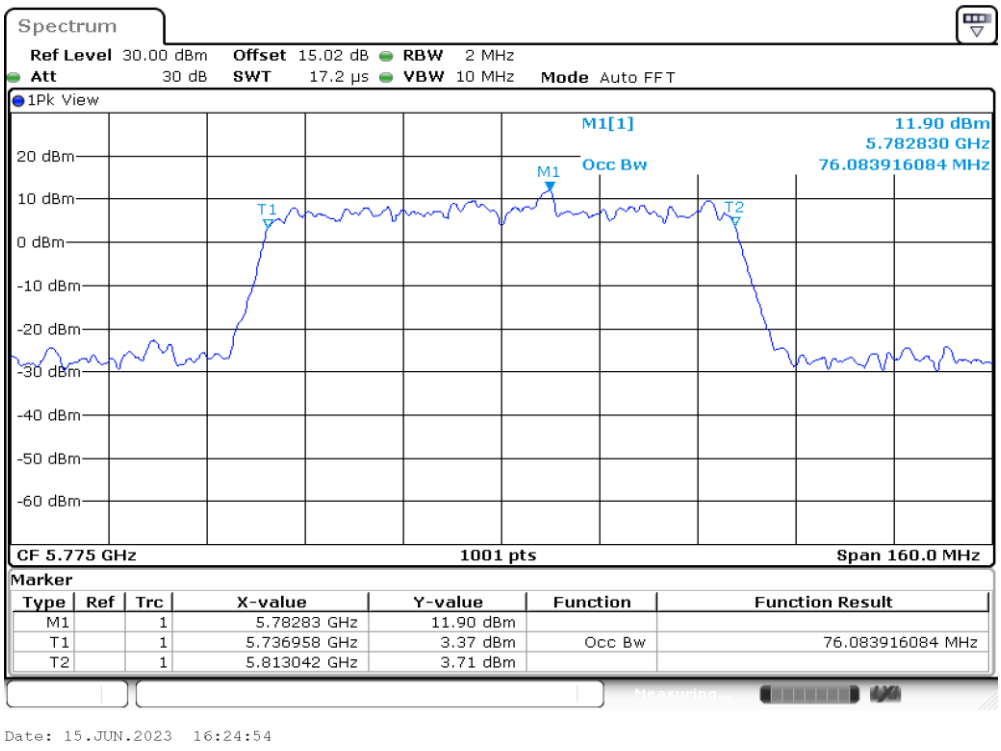


11AC80SISO_Ant6_5690



11AC80SISO_Ant6_5775



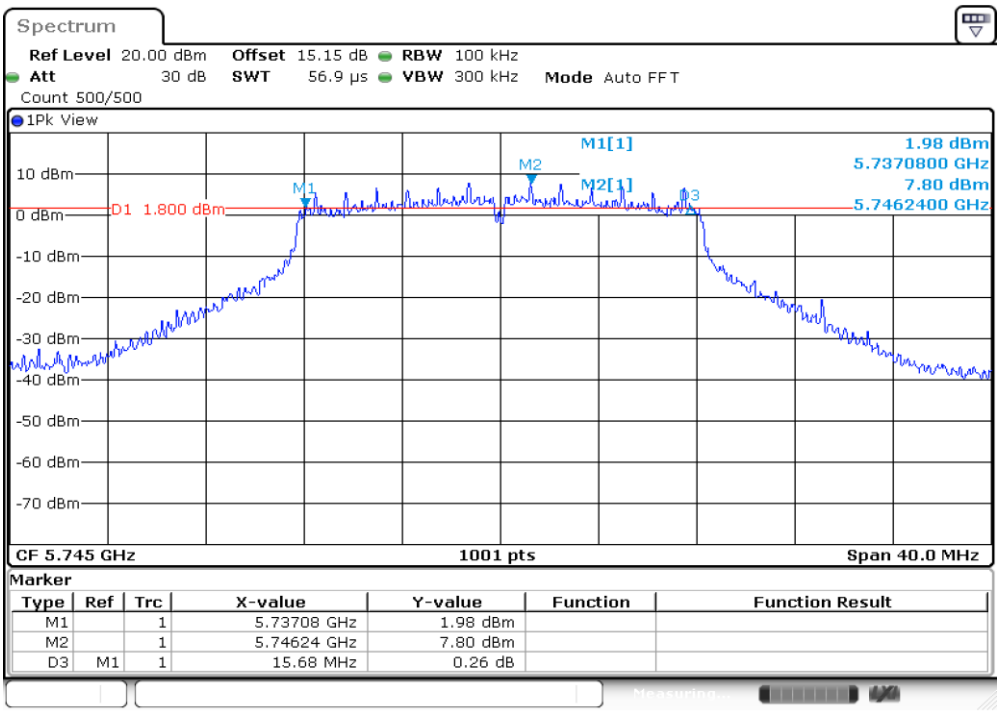
Min emission bandwidth

Test Result B4

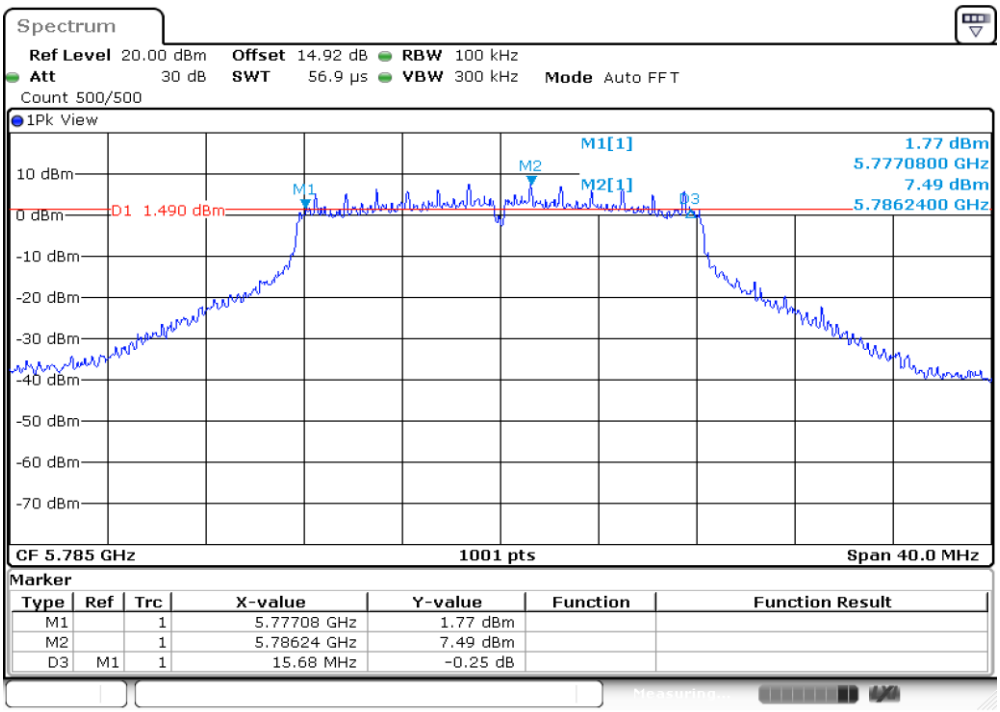
TestMode	Antenna	Freq(MHz)	6dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant6	5745	15.68	5737.08	5752.76	0.5	PASS
		5785	15.68	5777.08	5792.76	0.5	PASS
		5825	15.64	5817.08	5832.72	0.5	PASS
11AC20SISO	Ant6	5745	15.96	5737.40	5753.36	0.5	PASS
		5785	15.12	5777.40	5792.52	0.5	PASS
		5825	15.68	5816.84	5832.52	0.5	PASS
11AC40SISO	Ant6	5755	36.00	5737.08	5773.08	0.5	PASS
		5795	35.44	5777.08	5812.52	0.5	PASS
11AC80SISO	Ant6	5775	75.20	5737.40	5812.60	0.5	PASS

Test Graphs B4

11A_Ant6_5745

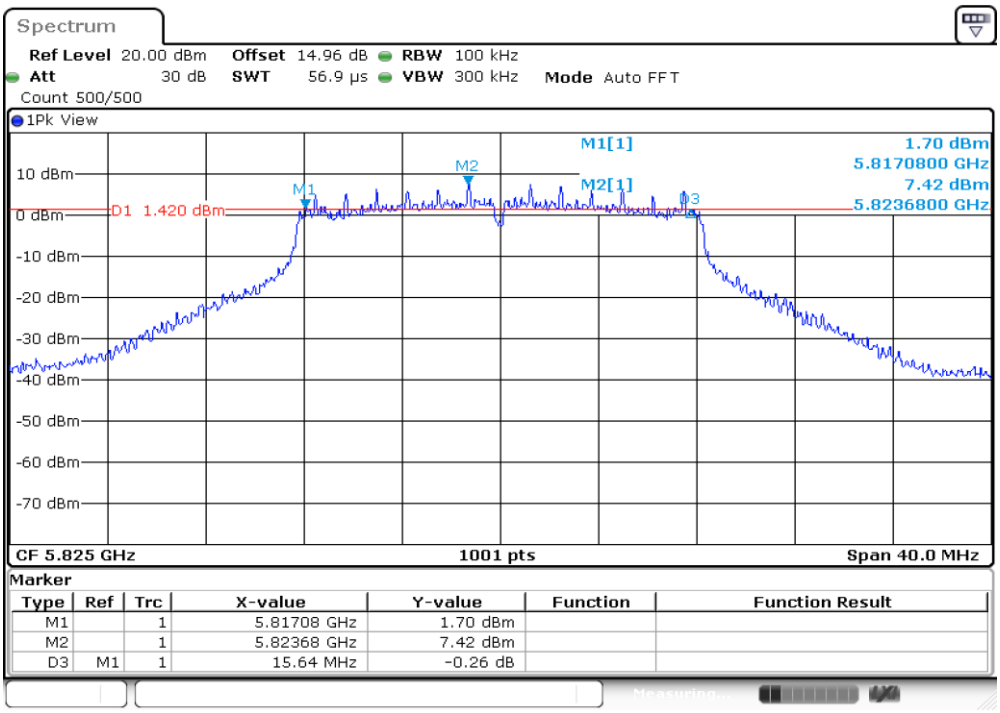


11A_Ant6_5785



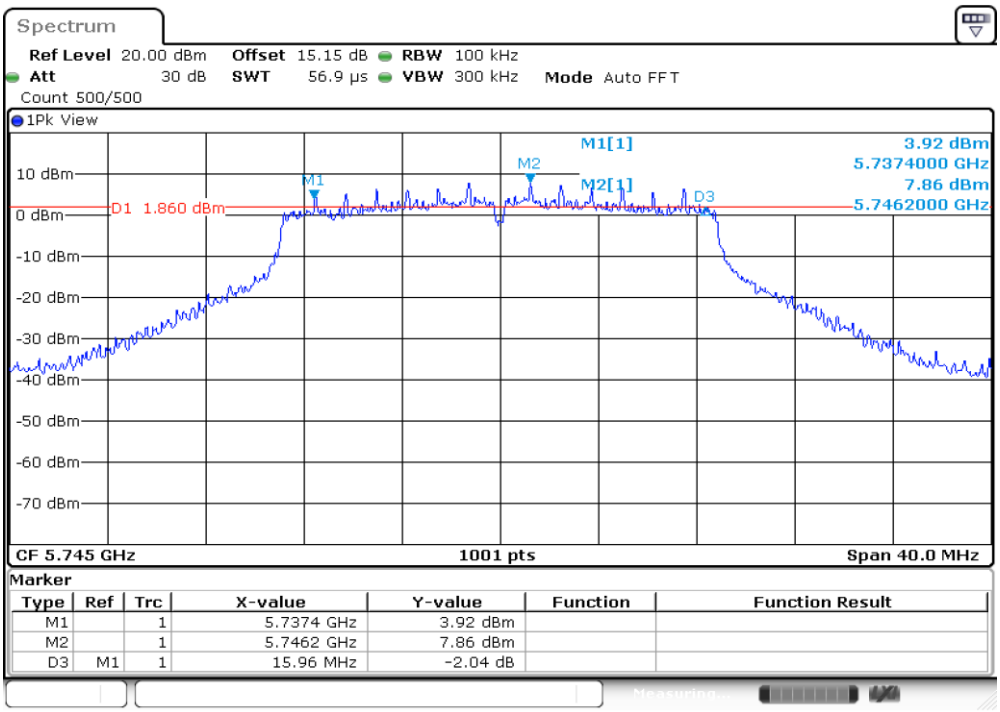
Date: 15.JUN.2023 15:46:10

11A_Ant6_5825



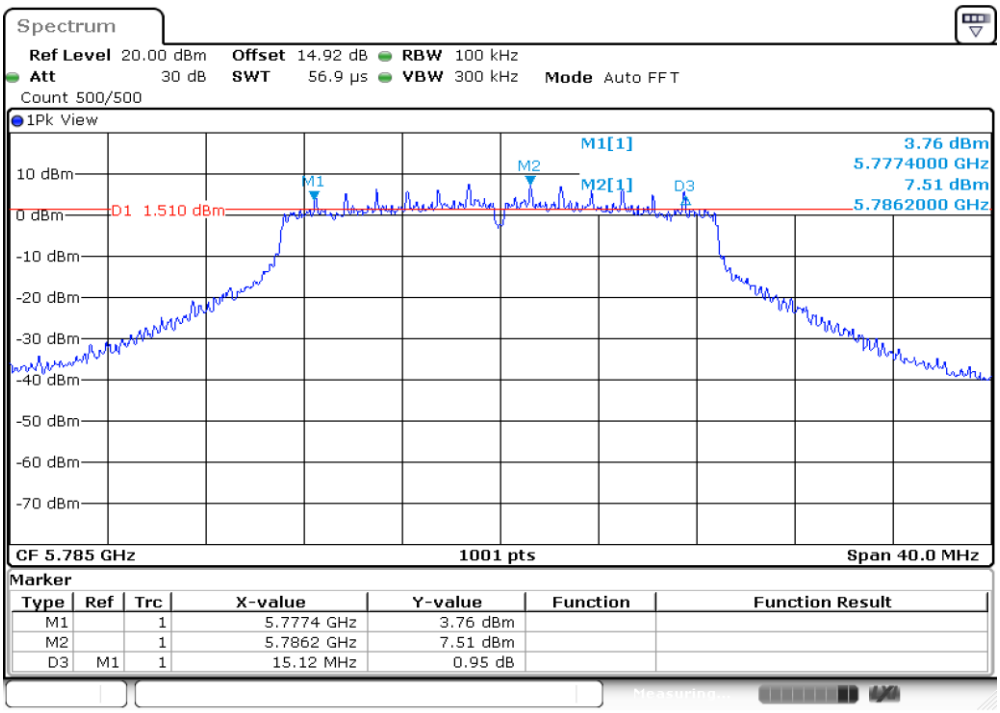
Date: 15.JUN.2023 15:47:14

11AC20SISO_Ant6_5745



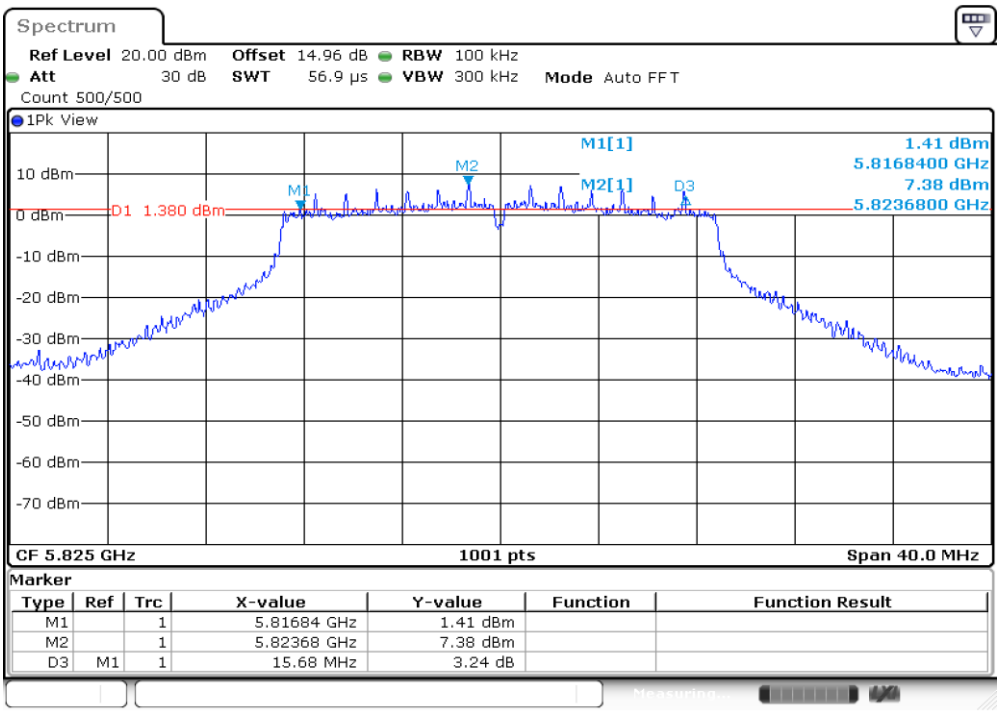
Date: 15.JUN.2023 16:00:07

11AC20SISO_Ant6_5785



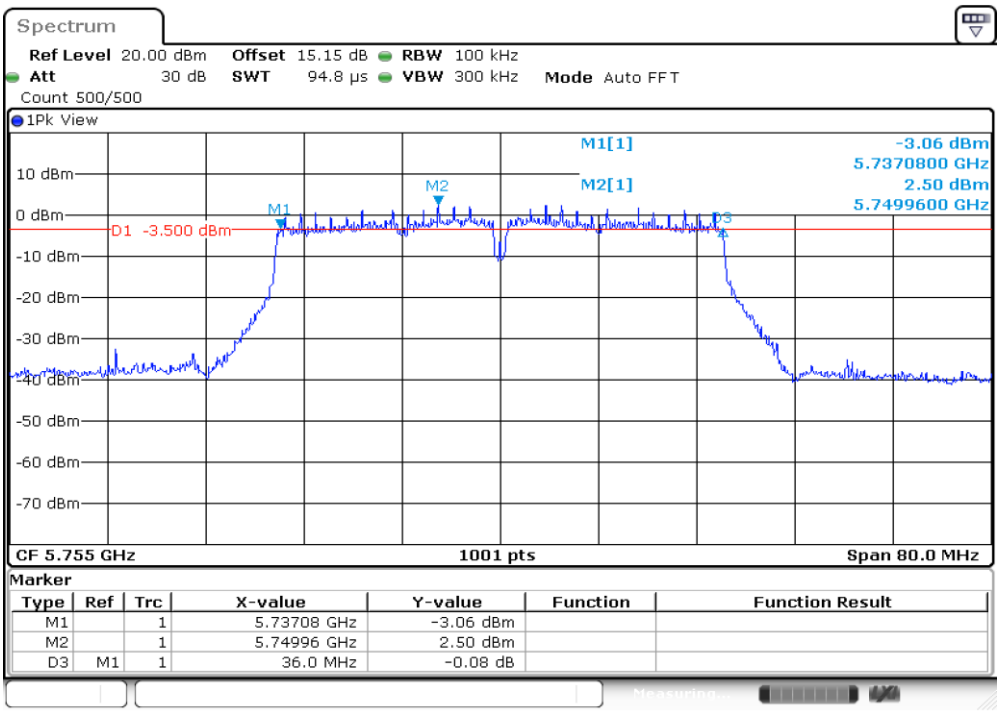
Date: 15.JUN.2023 16:01:42

11AC20SISO_Ant6_5825



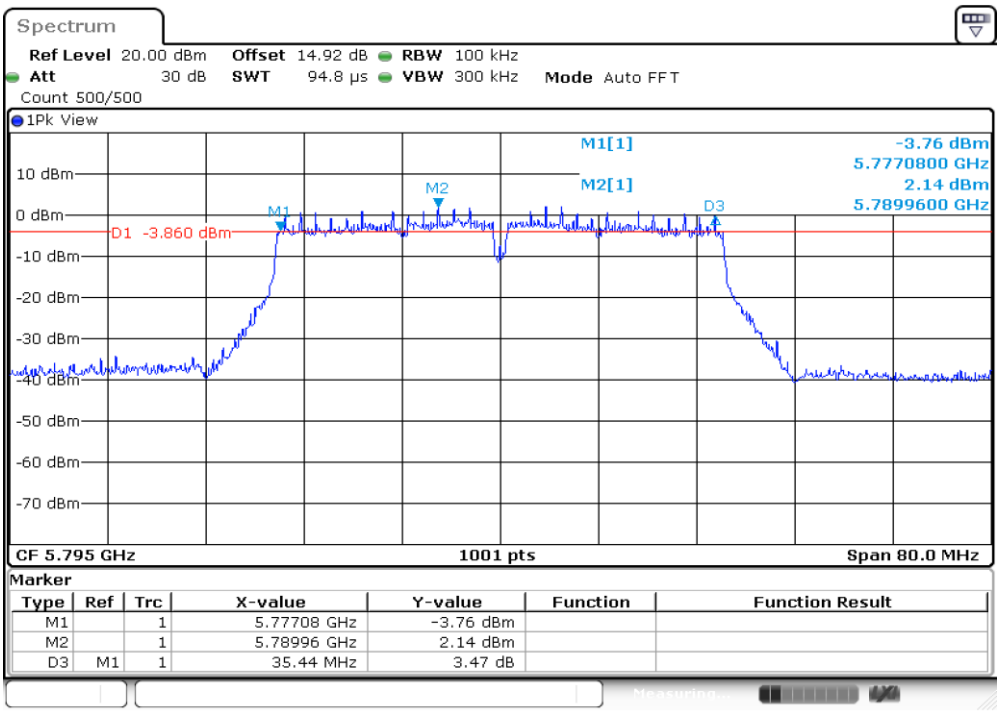
Date: 15.JUN.2023 16:03:16

11AC40SISO_Ant6_5755



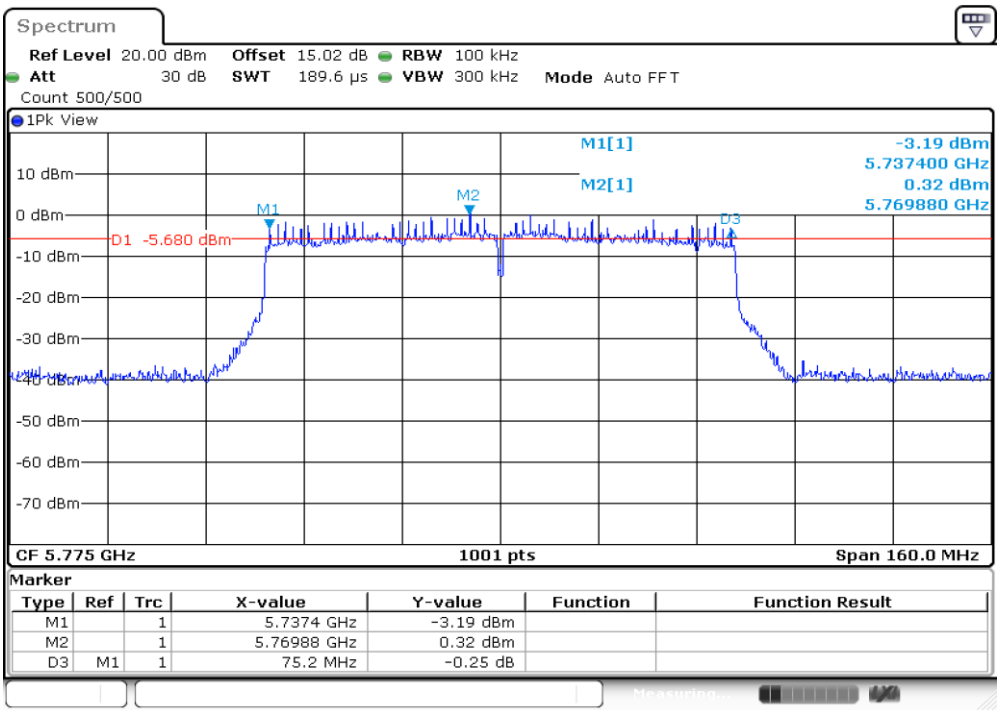
Date: 15.JUN.2023 16:14:58

11AC40SISO_Ant6_5795



Date: 15.JUN.2023 16:18:39

11AC80SISO_Ant6_5775



Date: 15.JUN.2023 16:24:39

Maximum power spectral density

Test Result

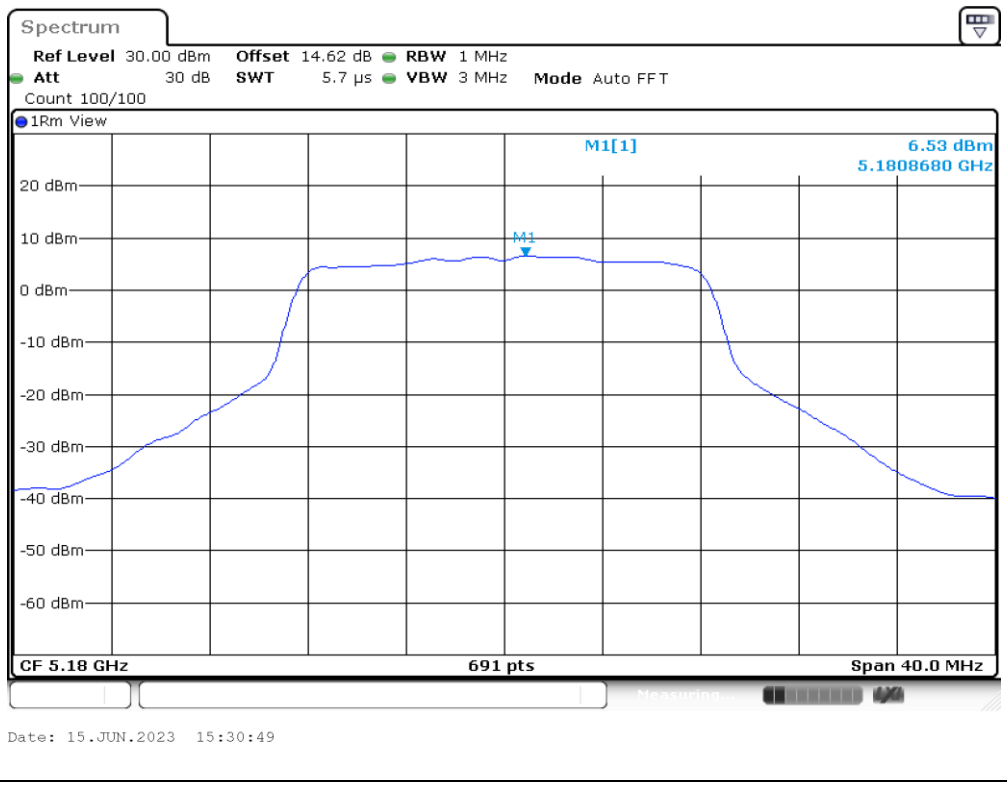
TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant6	5180	6.53	≤11.00	PASS
		5220	6.52	≤11.00	PASS
		5240	6.29	≤11.00	PASS
		5260	6.42	≤11.00	PASS
		5300	7.16	≤11.00	PASS
		5320	6.64	≤11.00	PASS
		5500	6.58	≤11.00	PASS
		5580	6.61	≤11.00	PASS
		5700	6.16	≤11.00	PASS
		5720	6.96	≤11.00	PASS
		5745	4.29	≤30.00	PASS
		5785	3.52	≤30.00	PASS
		5825	3.64	≤30.00	PASS
11AC20SISO	Ant6	5180	6.24	≤11.00	PASS
		5220	6.06	≤11.00	PASS
		5240	5.15	≤11.00	PASS
		5260	6.04	≤11.00	PASS
		5300	6.08	≤11.00	PASS
		5320	6.34	≤11.00	PASS
		5500	6.16	≤11.00	PASS
		5580	6.32	≤11.00	PASS
		5700	5.41	≤11.00	PASS
		5720	5.96	≤11.00	PASS
		5745	3.72	≤30.00	PASS
		5785	3.17	≤30.00	PASS
		5825	3.37	≤30.00	PASS
11AC40SISO	Ant6	5190	2.09	≤11.00	PASS
		5230	1.57	≤11.00	PASS
		5270	1.33	≤11.00	PASS
		5310	1.81	≤11.00	PASS
		5510	1.33	≤11.00	PASS
		5550	1.78	≤11.00	PASS
		5670	1.9	≤11.00	PASS
		5710	1.64	≤11.00	PASS

		5755	-0.97	≤30.00	PASS
		5795	-1.33	≤30.00	PASS
11AC80SISO	Ant6	5210	-1.03	≤11.00	PASS
		5290	-1.07	≤11.00	PASS
		5530	-1.48	≤11.00	PASS
		5610	-1.48	≤11.00	PASS
		5690	-1.54	≤11.00	PASS
		5775	-4.26	≤30.00	PASS

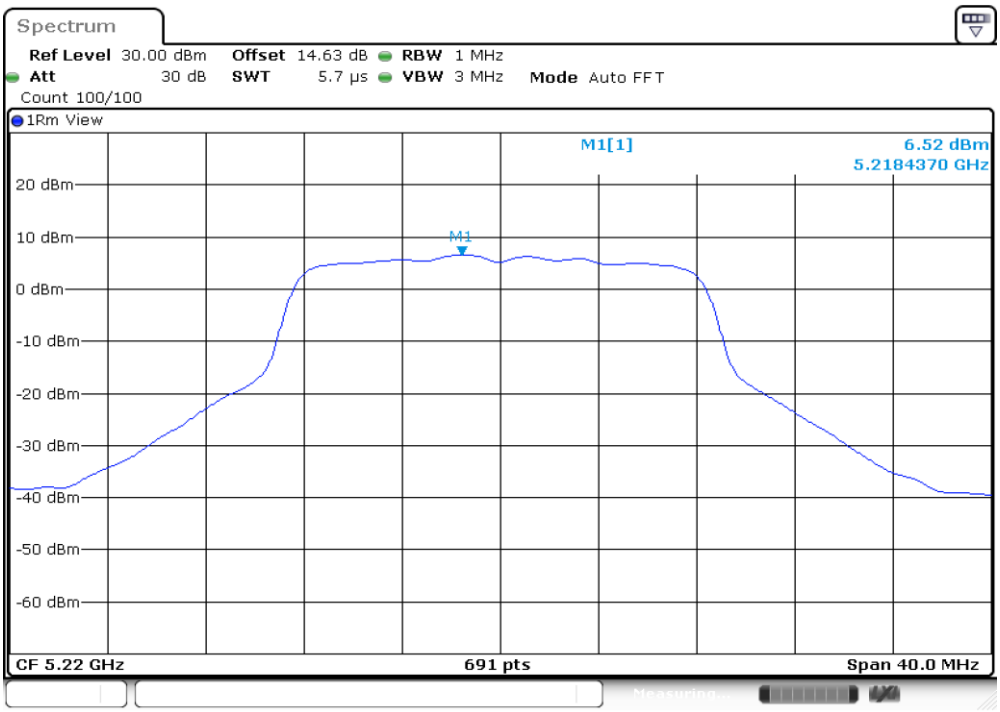
Note：1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and is compensated in the graph.

Test Graphs

11A_Ant6_5180

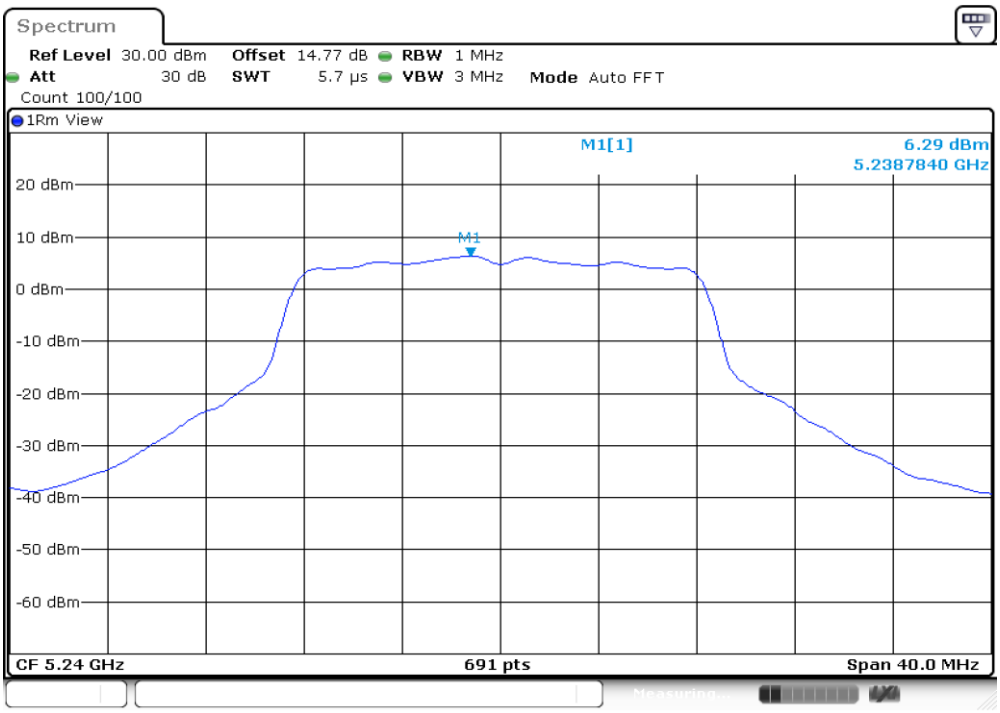


11A_Ant6_5220



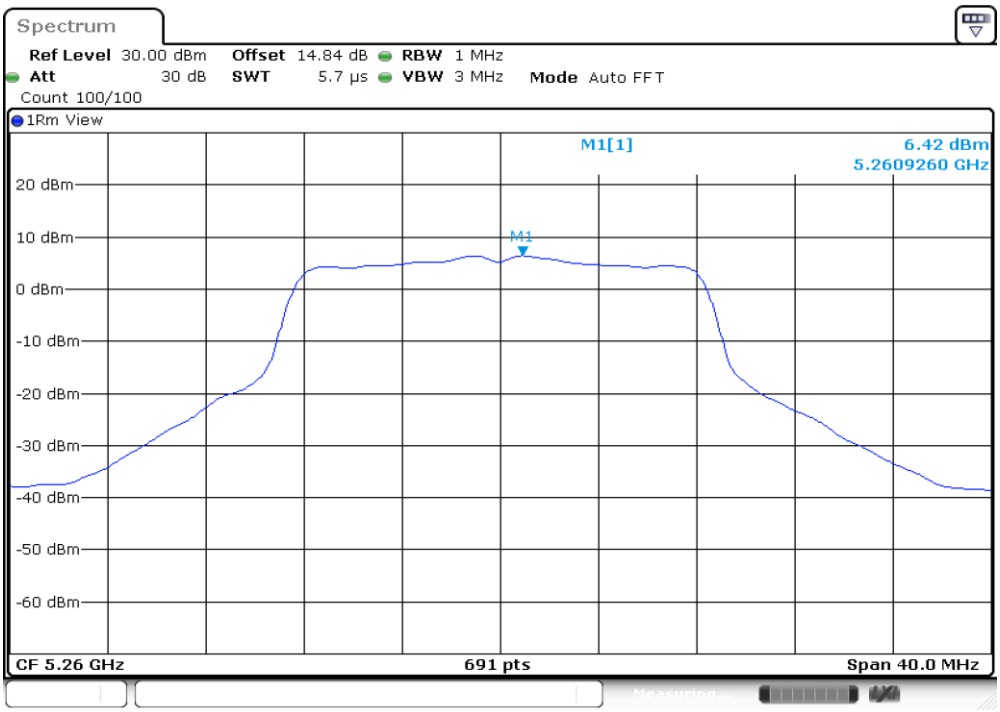
Date: 15.JUN.2023 15:31:50

11A_Ant6_5240



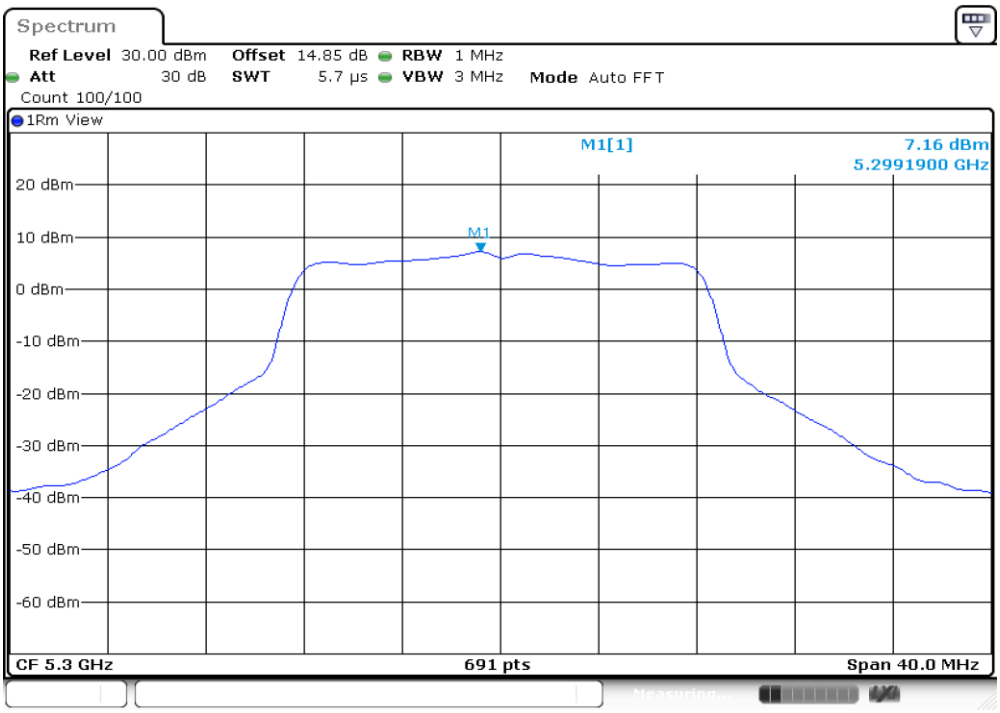
Date: 15.JUN.2023 15:34:32

11A_Ant6_5260



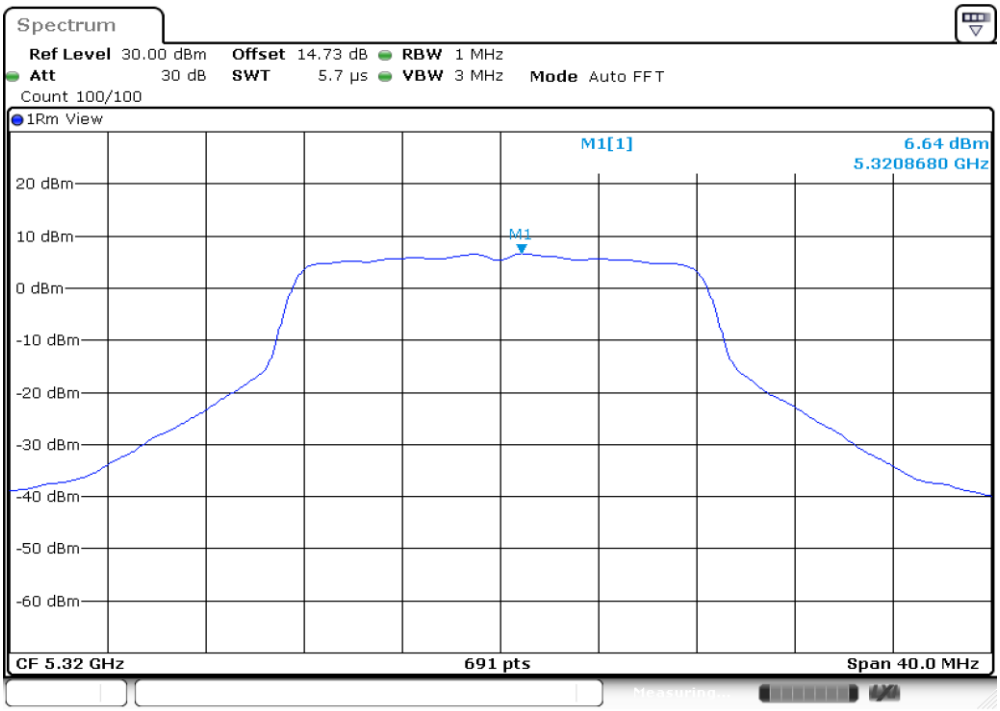
Date: 15.JUN.2023 15:36:38

11A_Ant6_5300



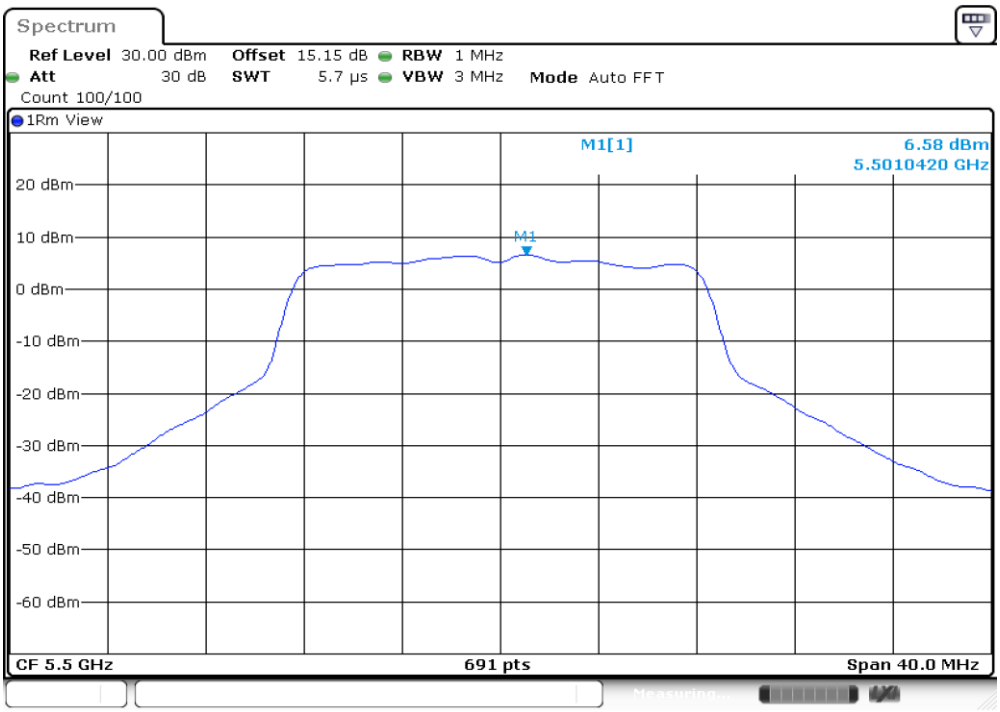
Date: 15.JUN.2023 15:37:33

11A_Ant6_5320



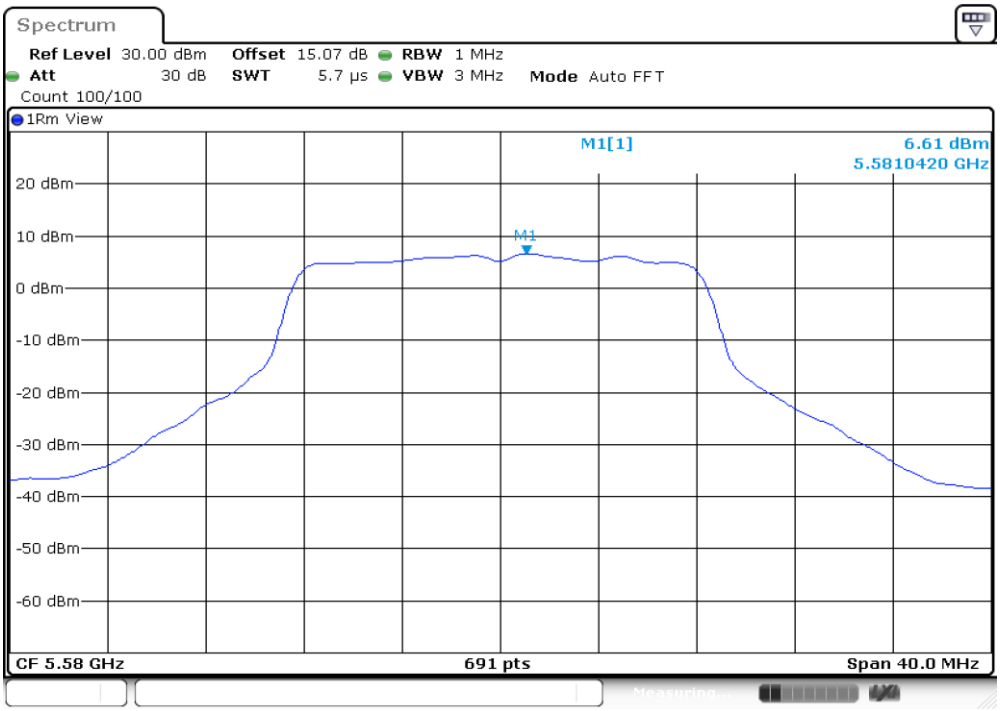
Date: 15.JUN.2023 15:38:30

11A_Ant6_5500



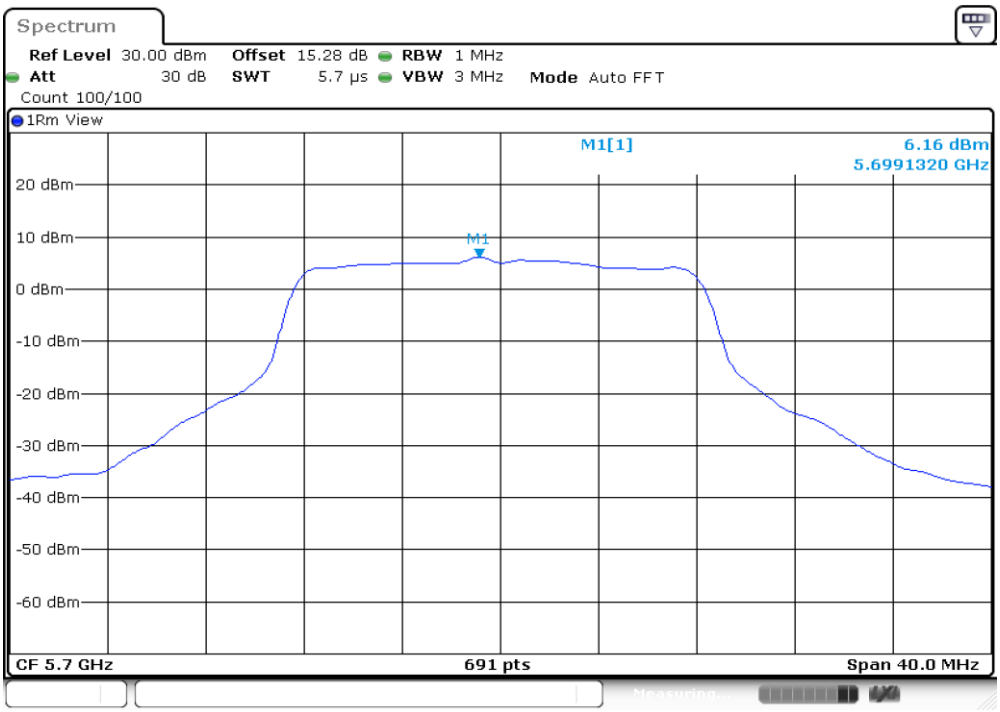
Date: 15.JUN.2023 15:40:22

11A_Ant6_5580



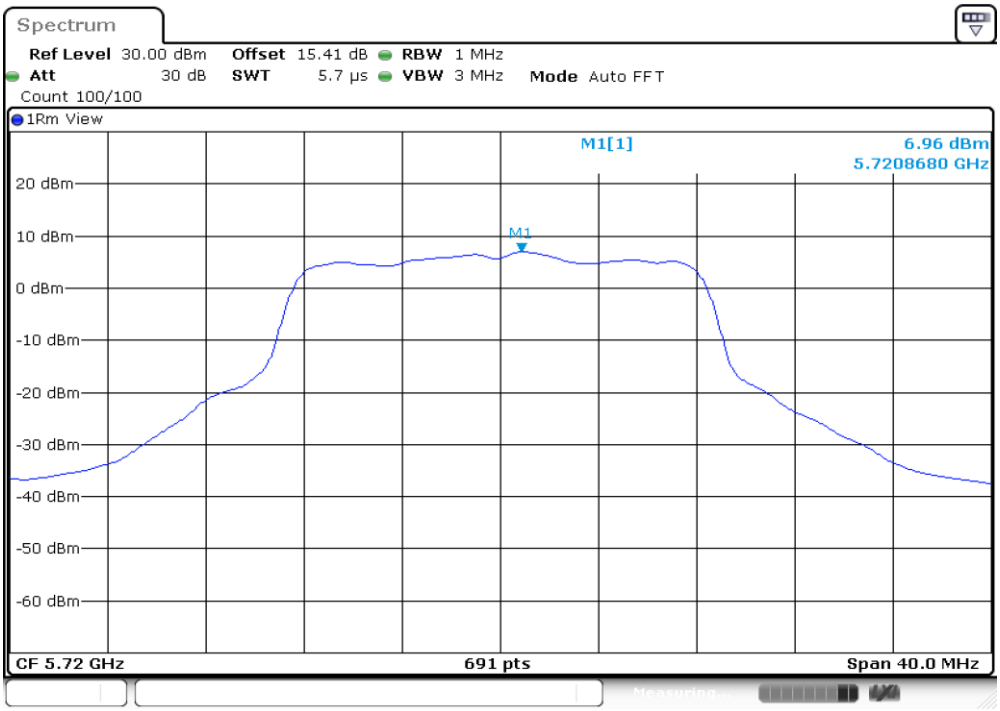
Date: 15.JUN.2023 15:41:51

11A_Ant6_5700



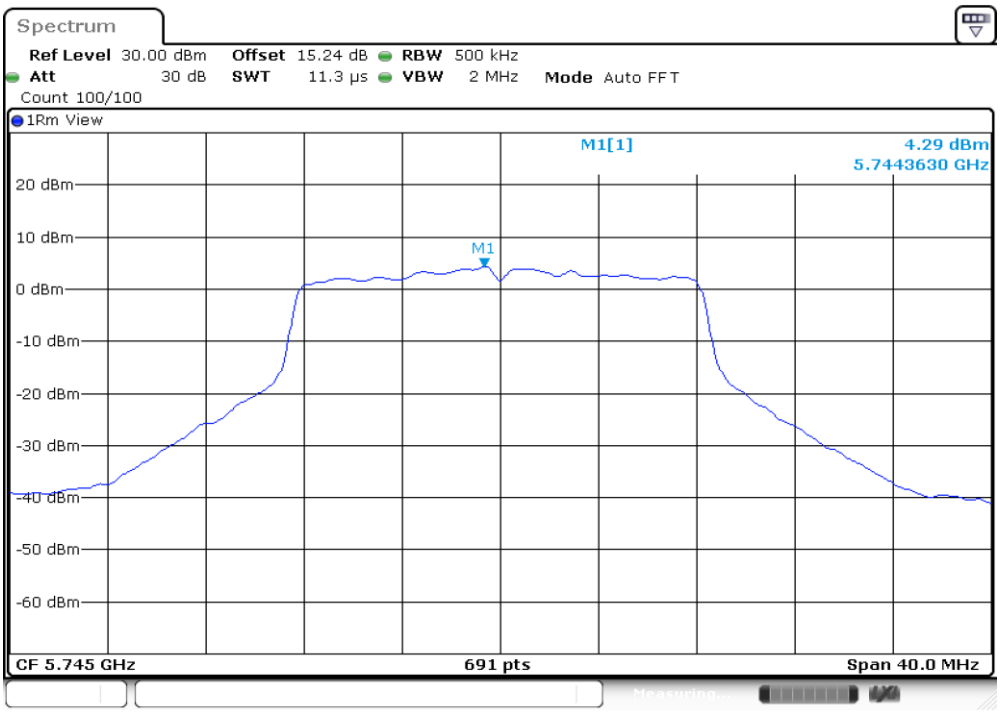
Date: 15.JUN.2023 15:42:49

11A_Ant6_5720



Date: 15.JUN.2023 15:43:43

11A_Ant6_5745



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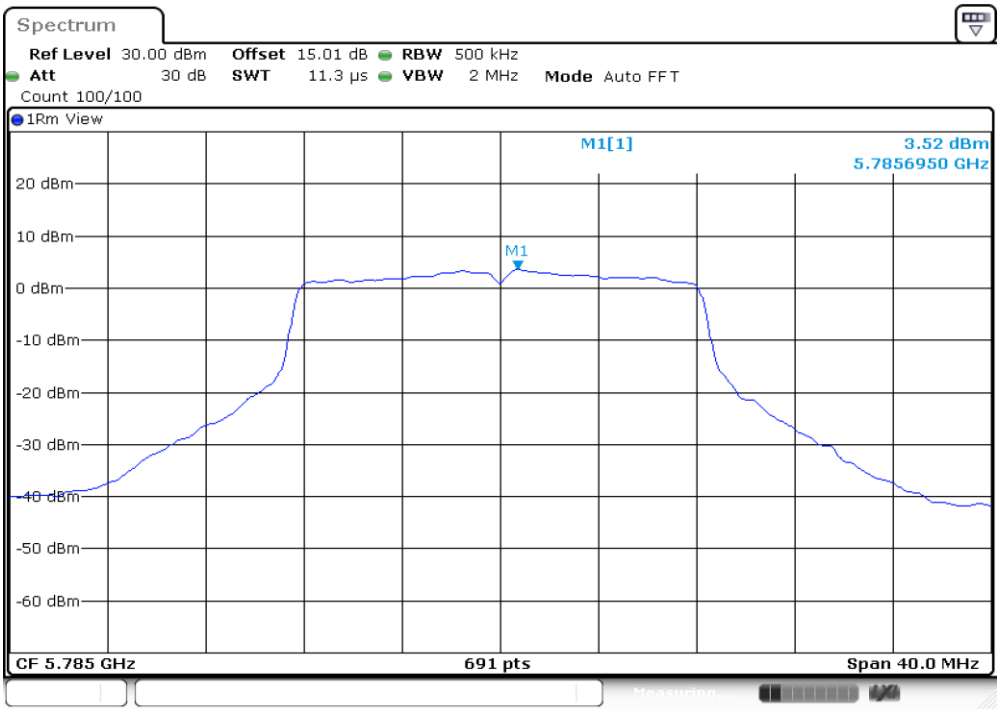
11A_Ant6_5785



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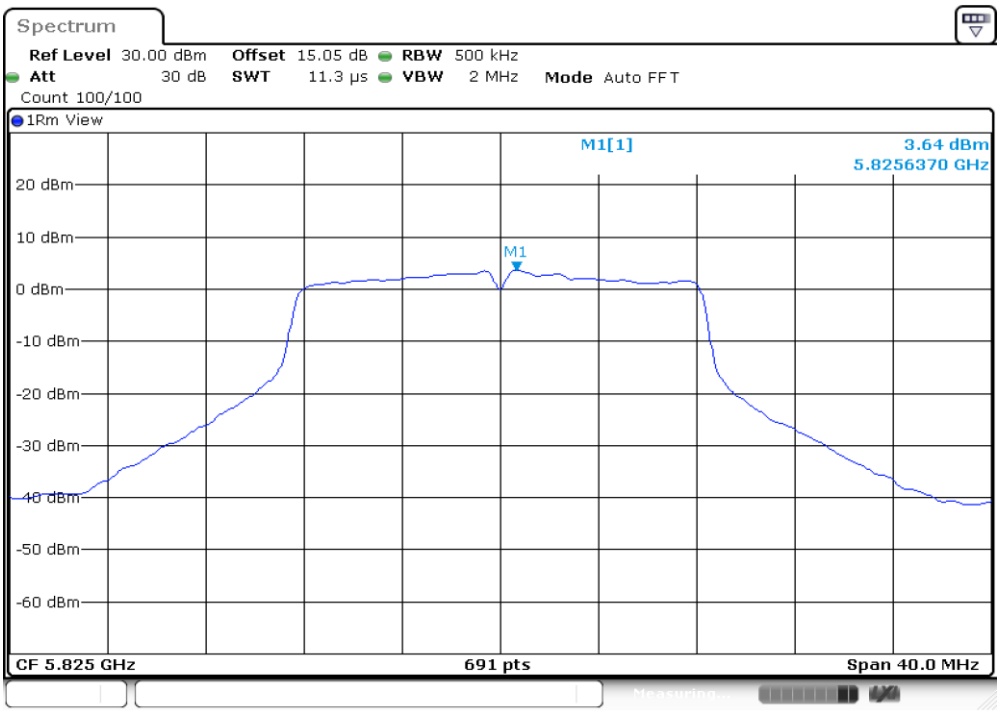

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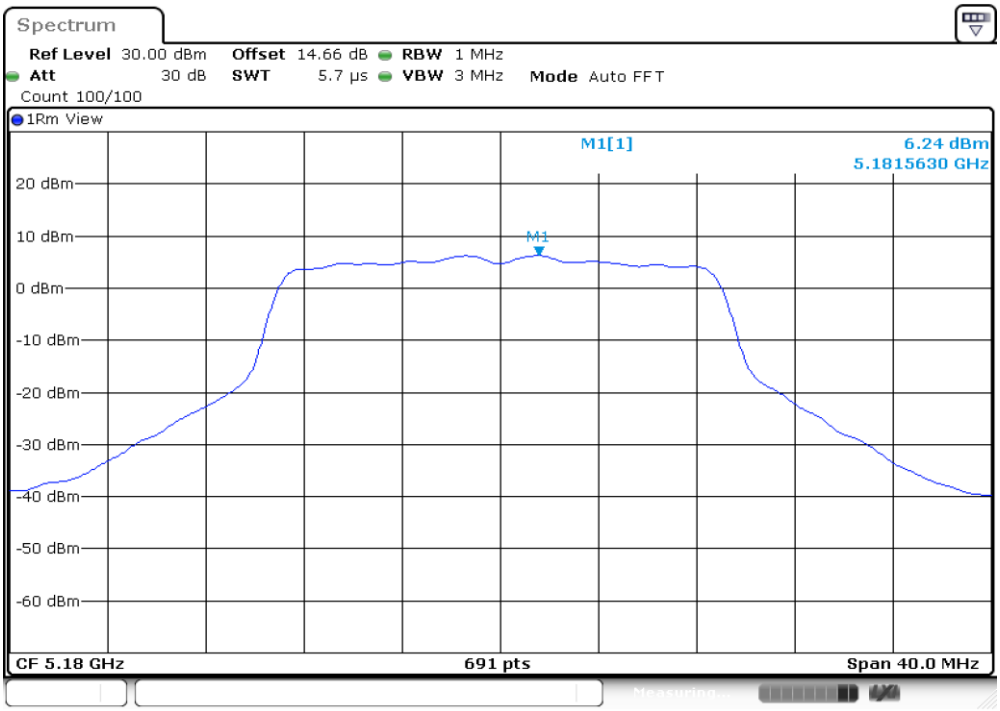

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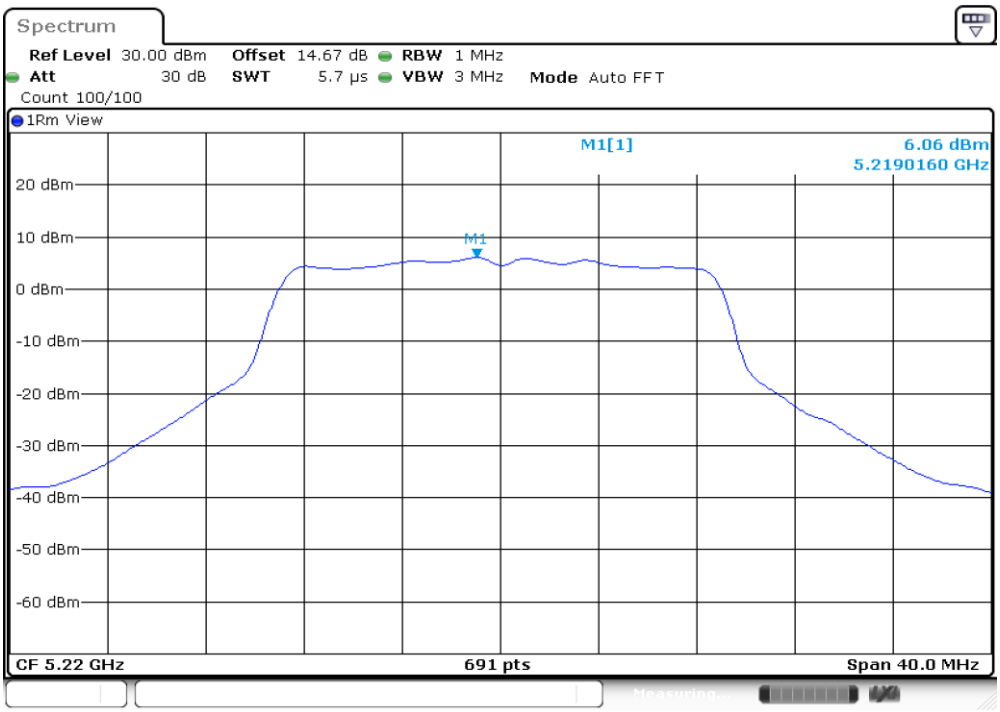

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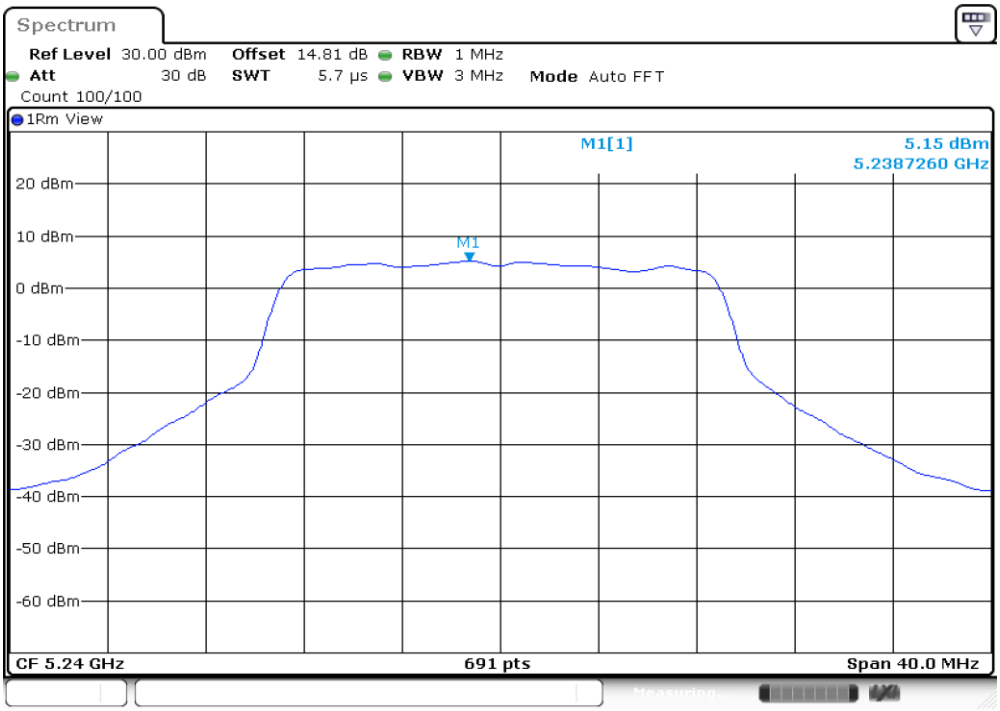

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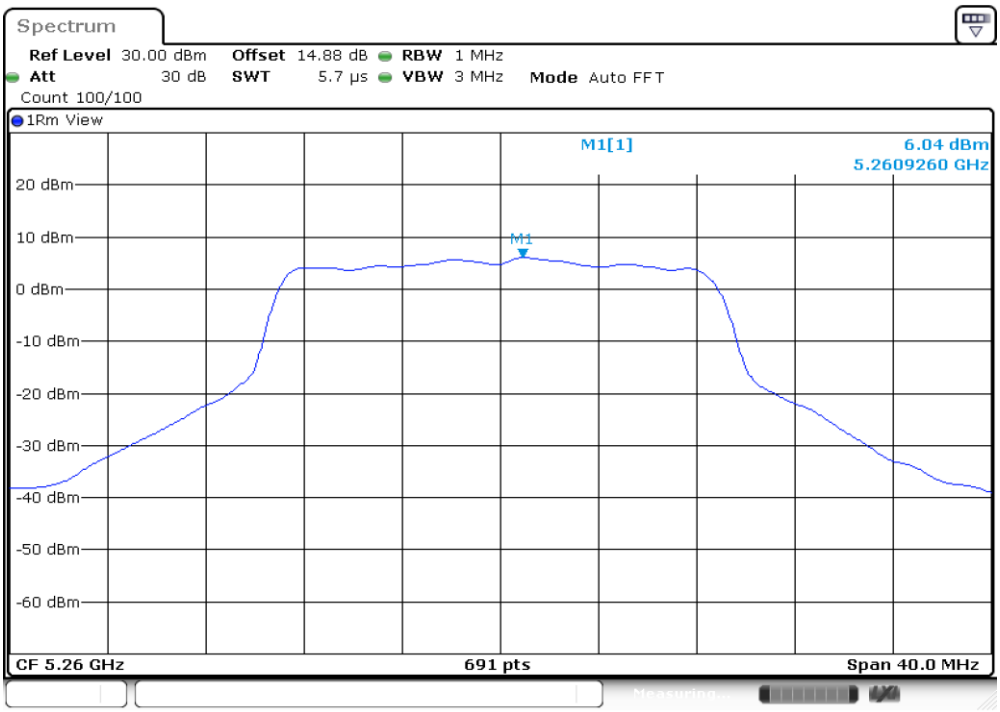

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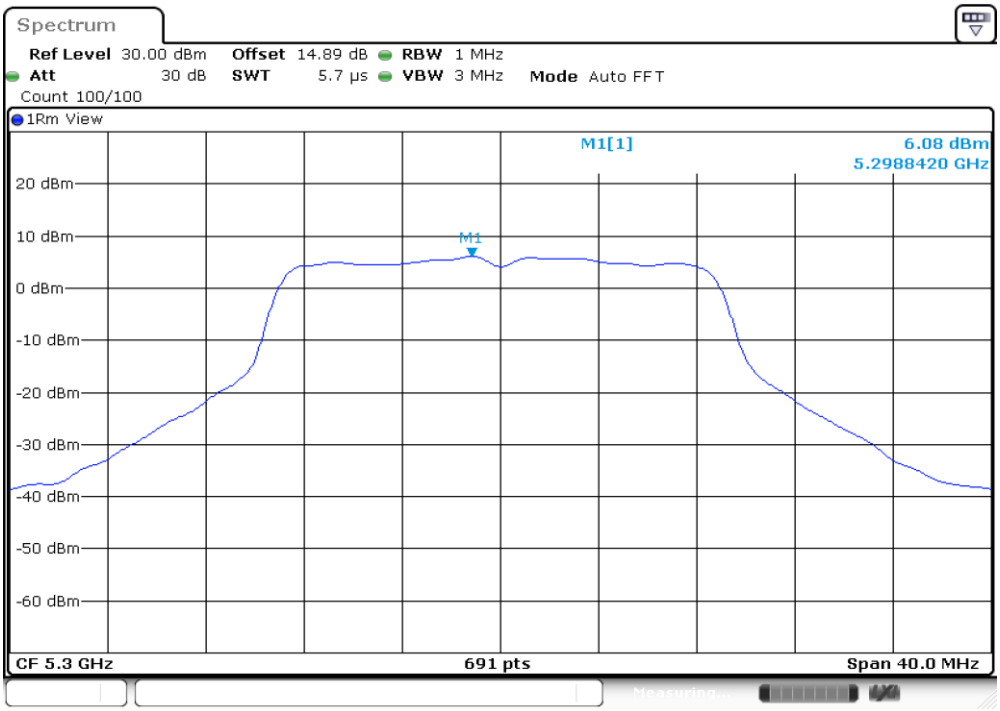

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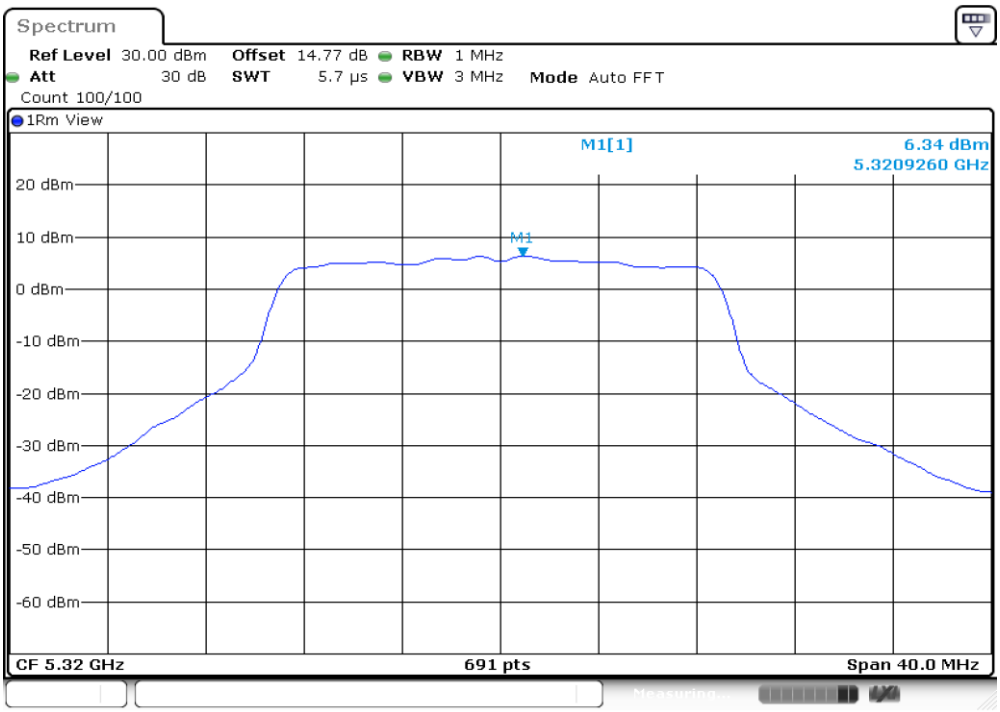

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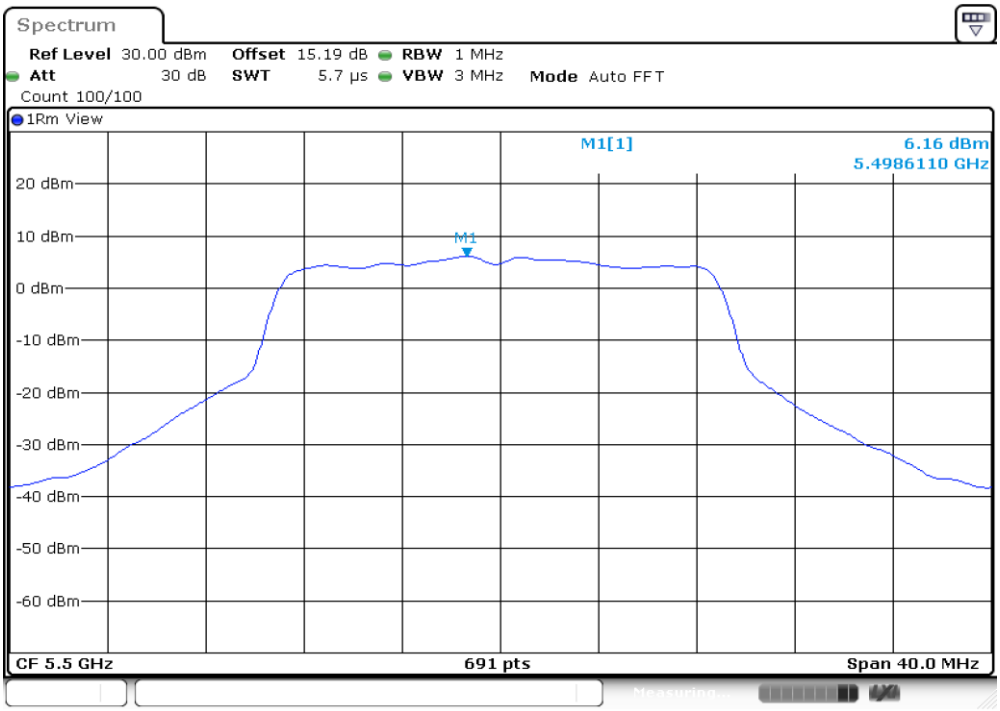

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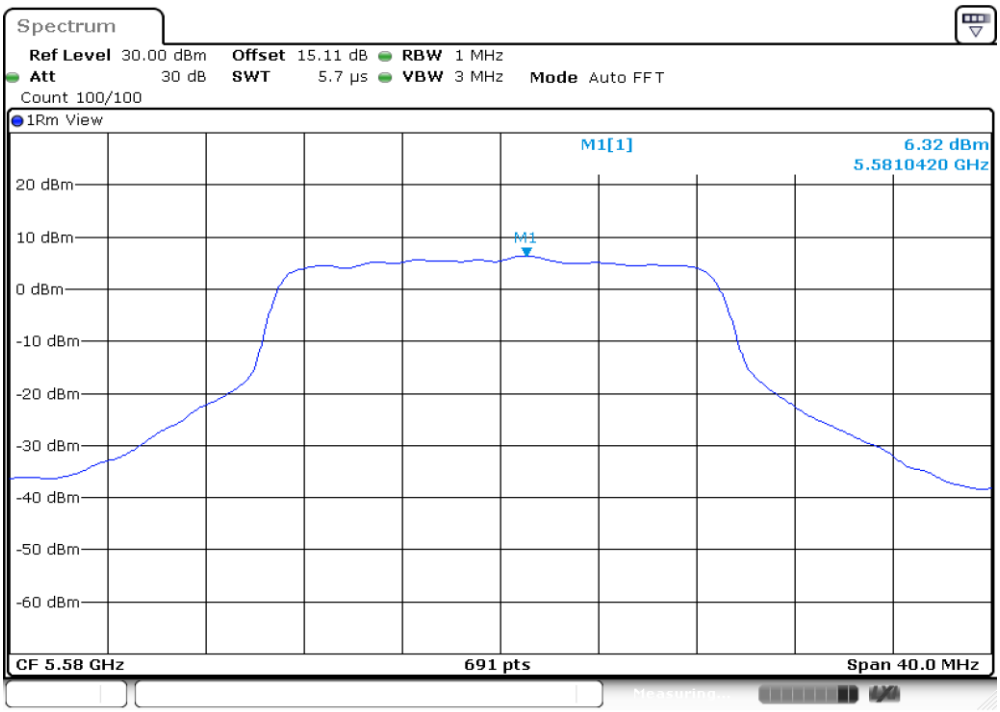

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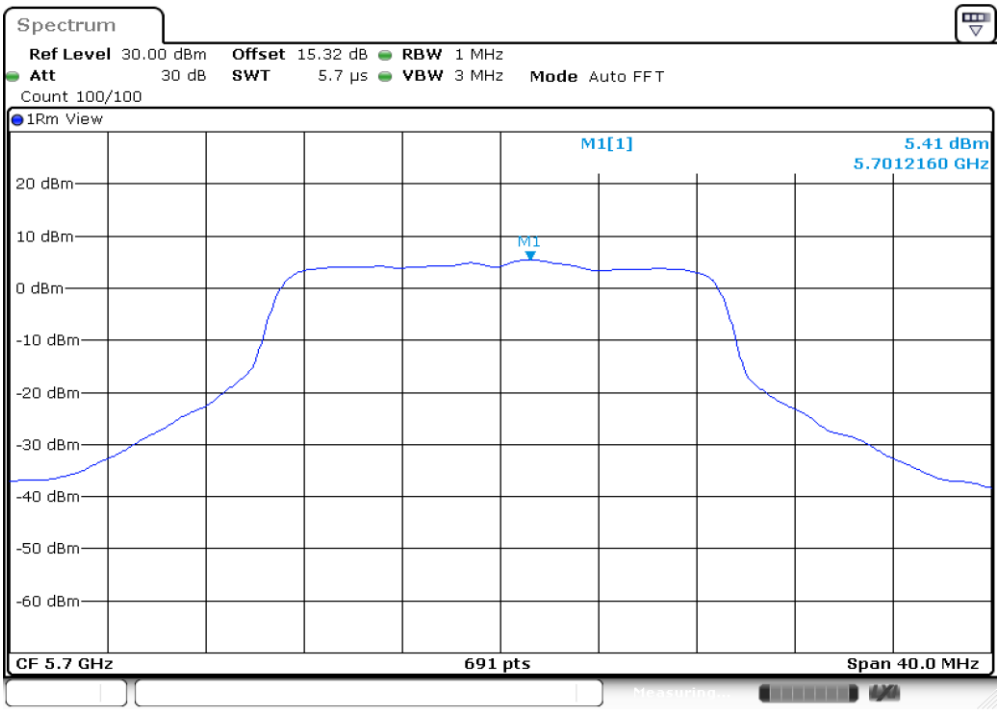

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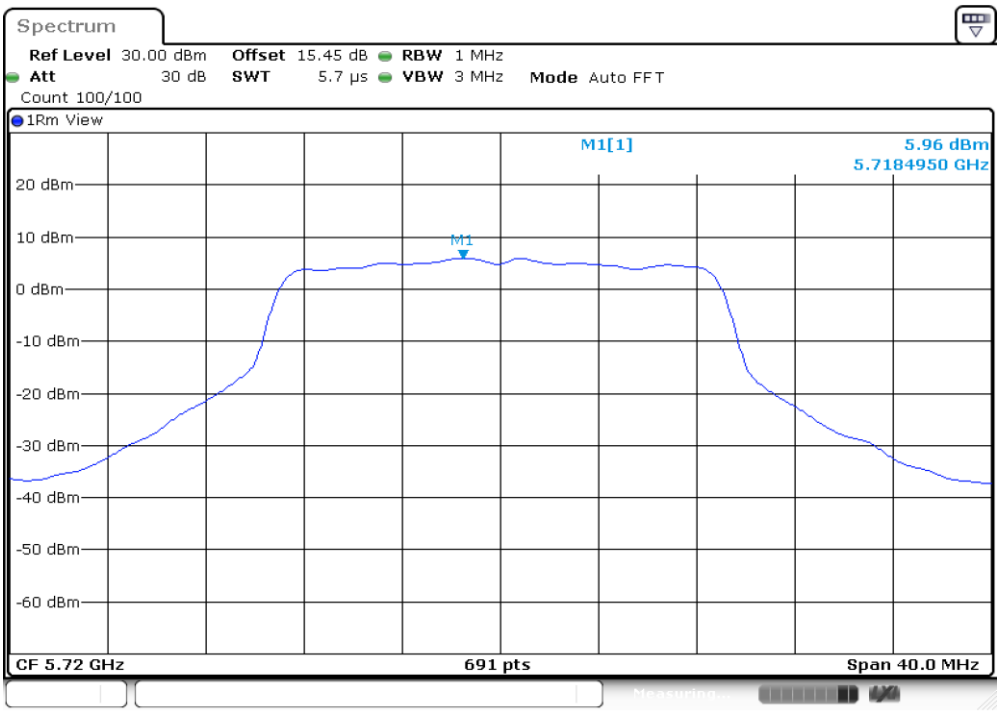

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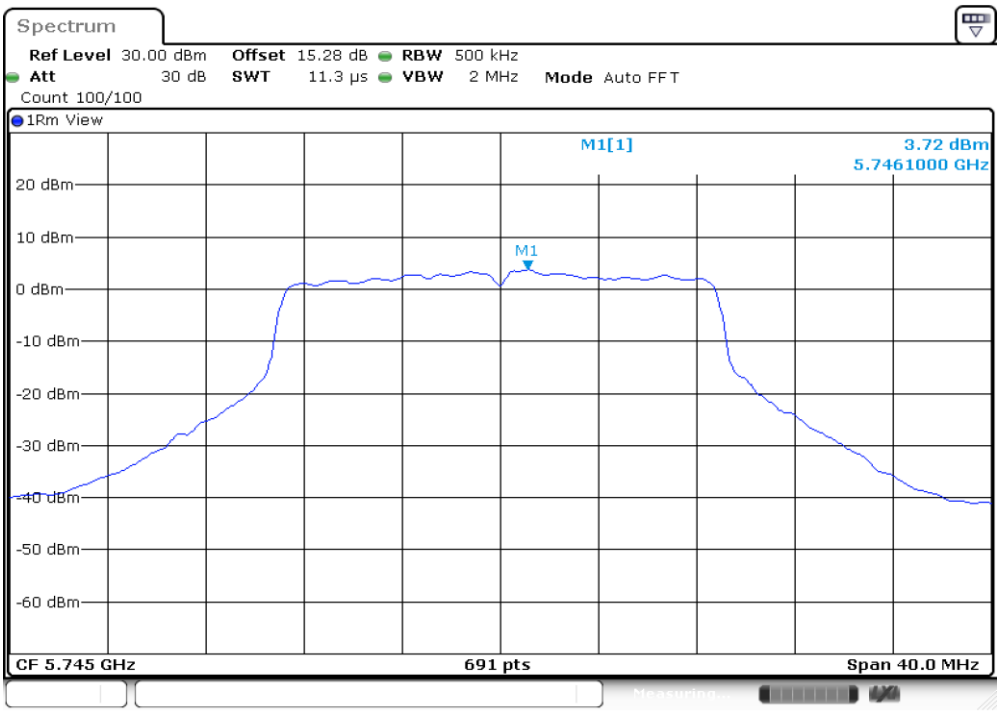

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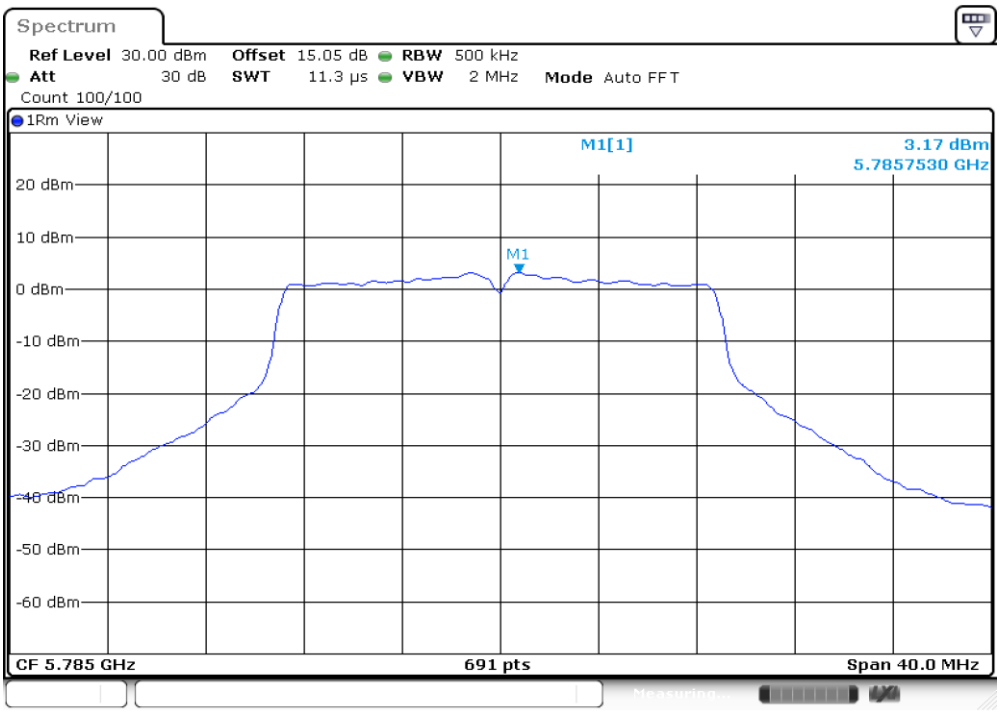

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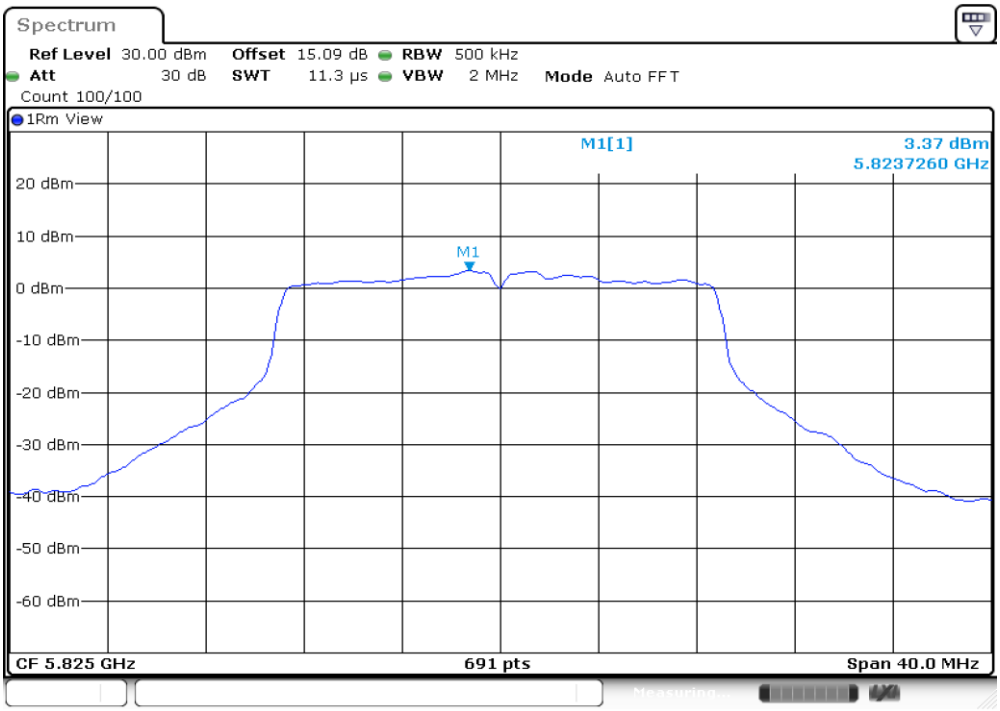

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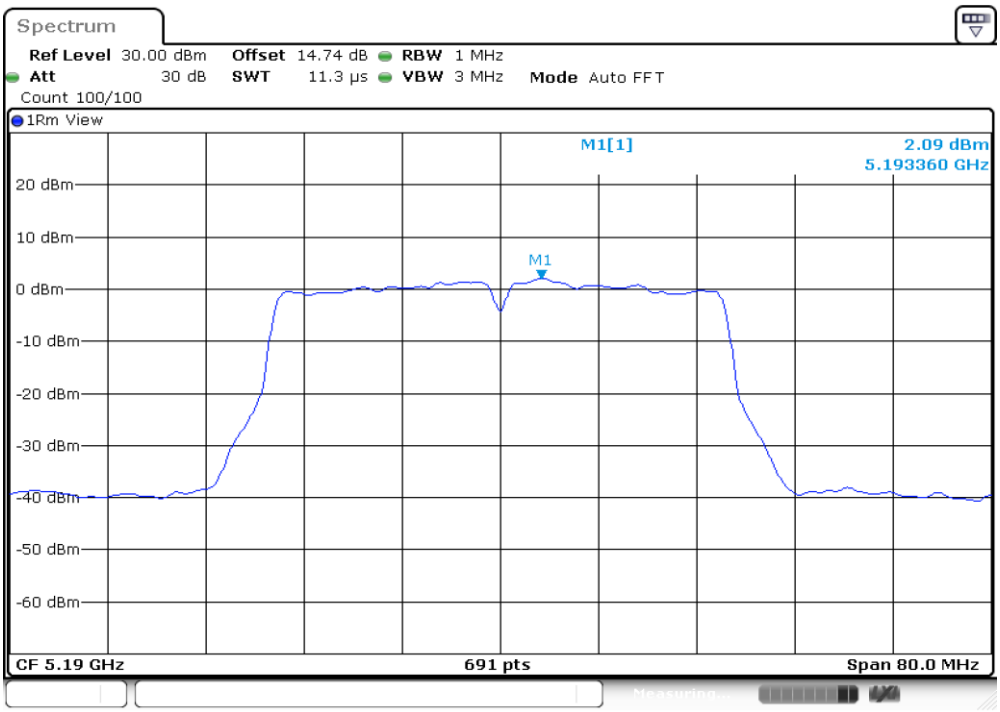

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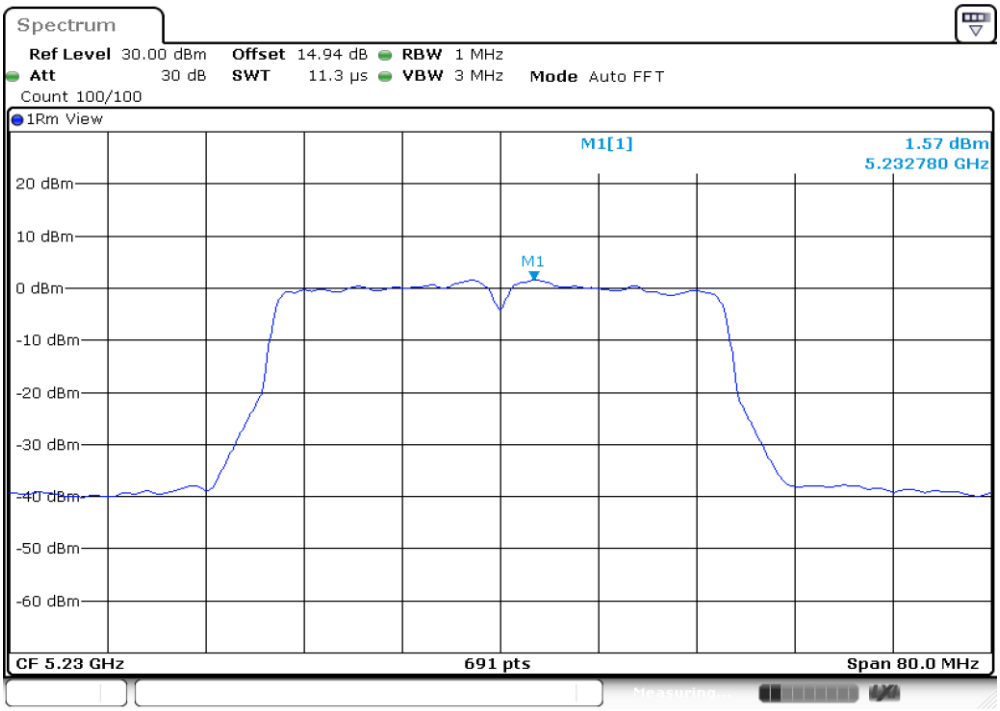

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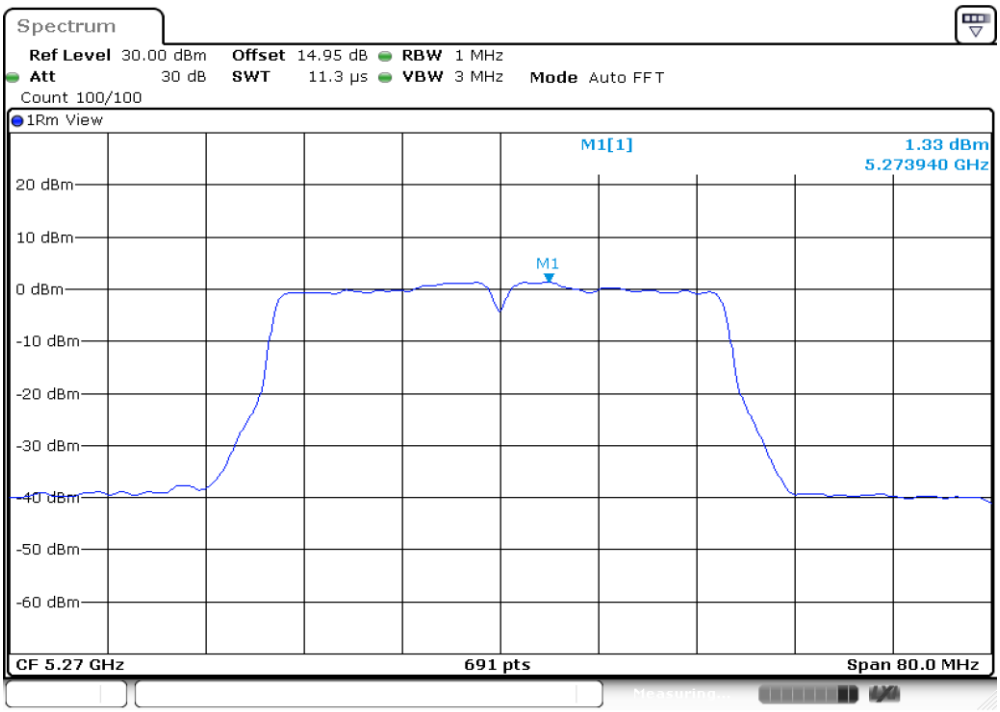

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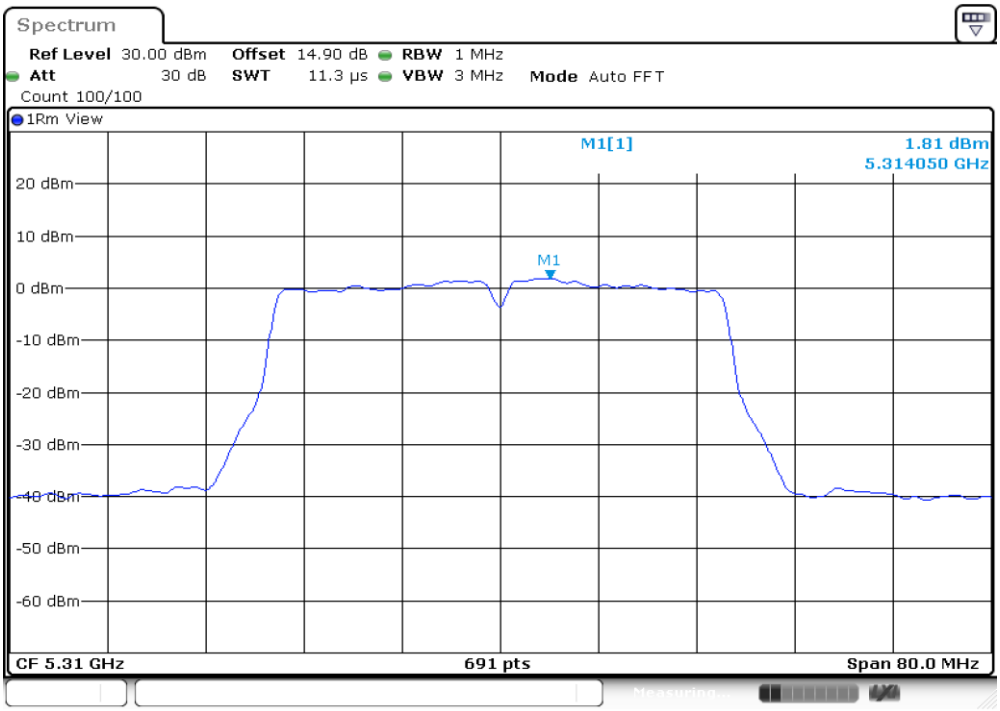

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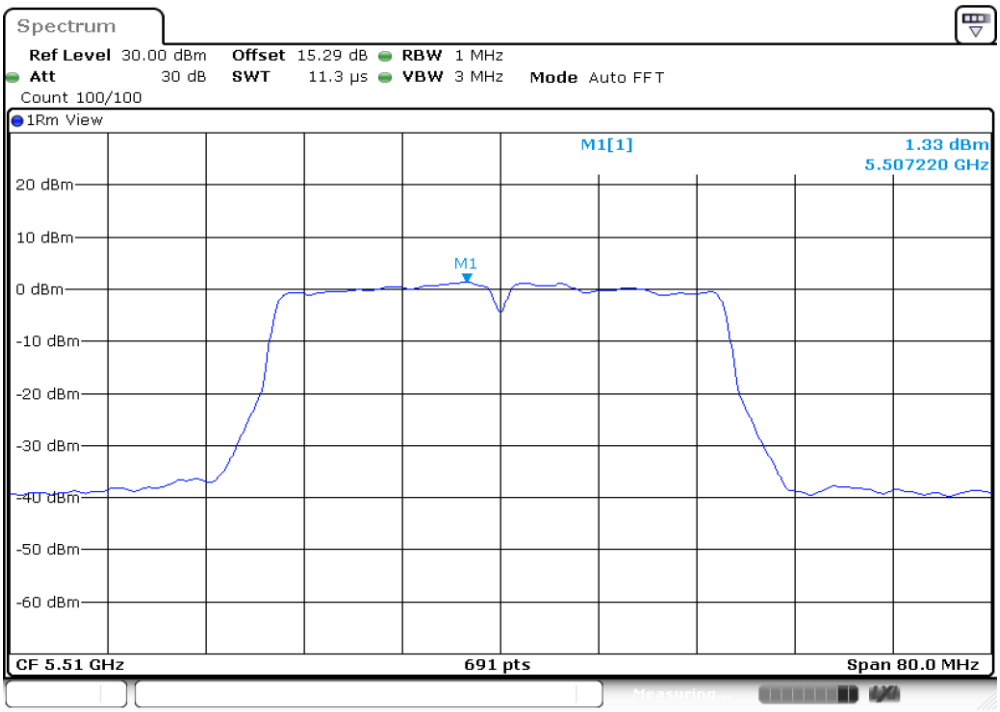

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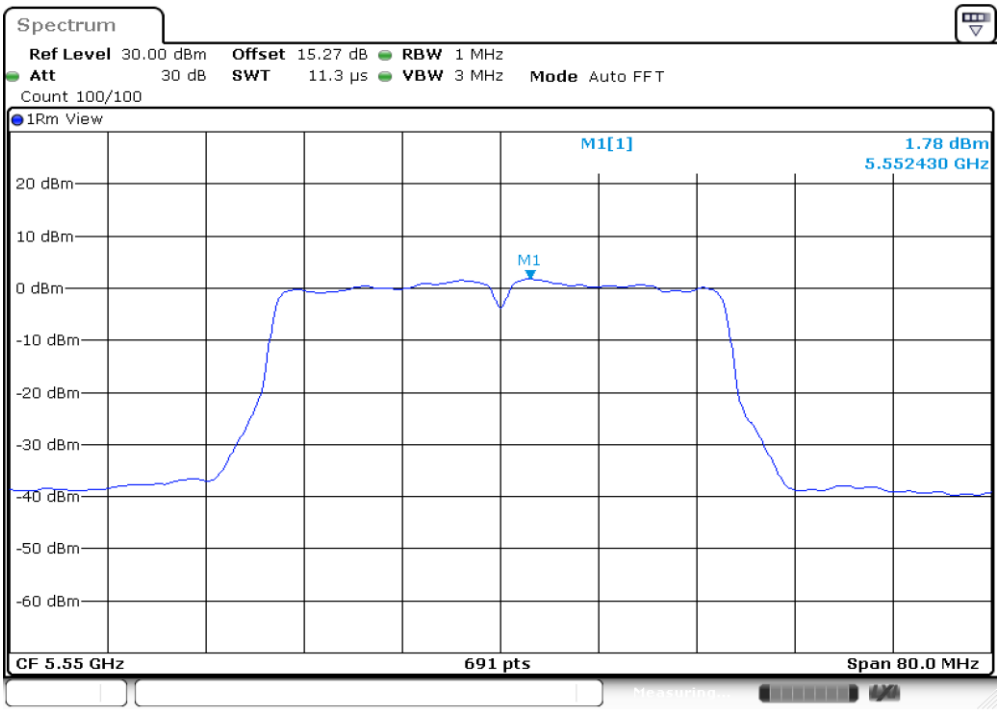

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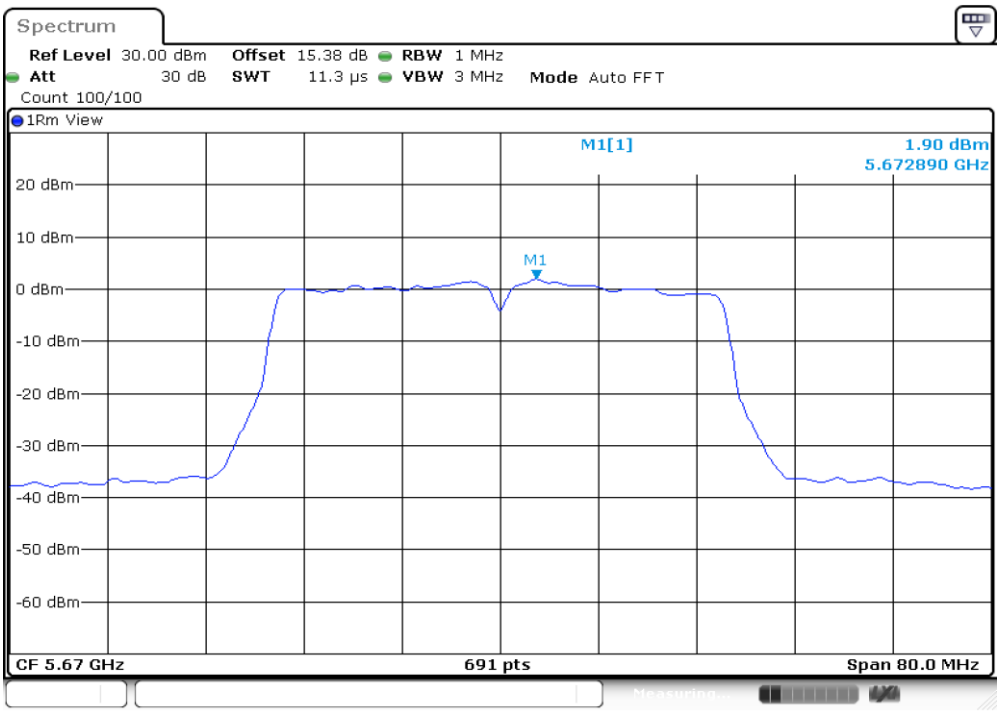

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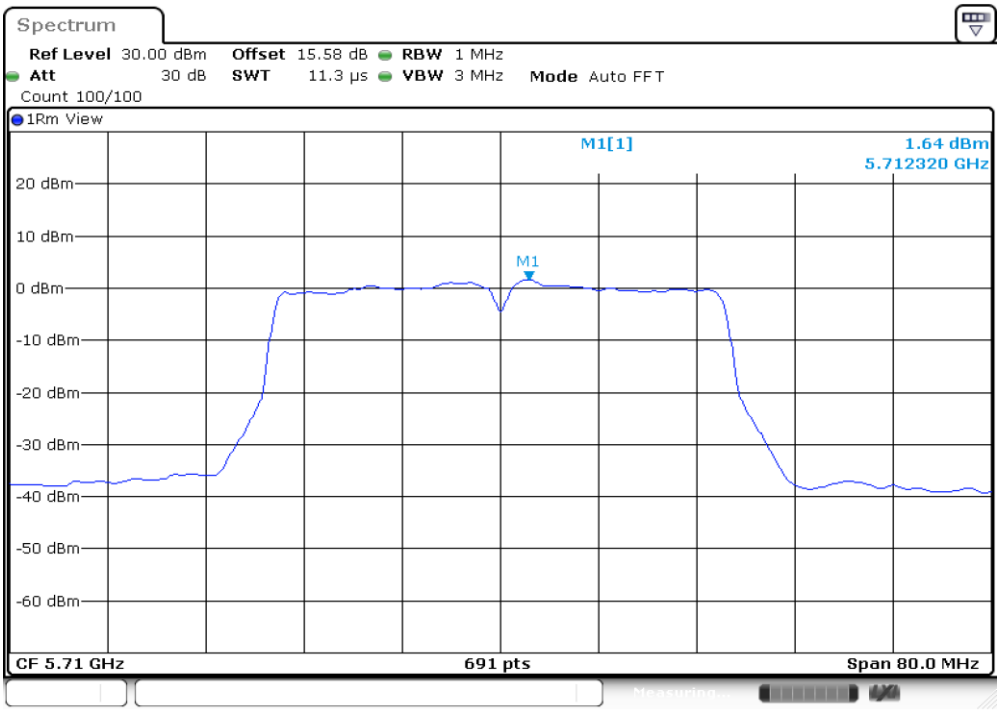

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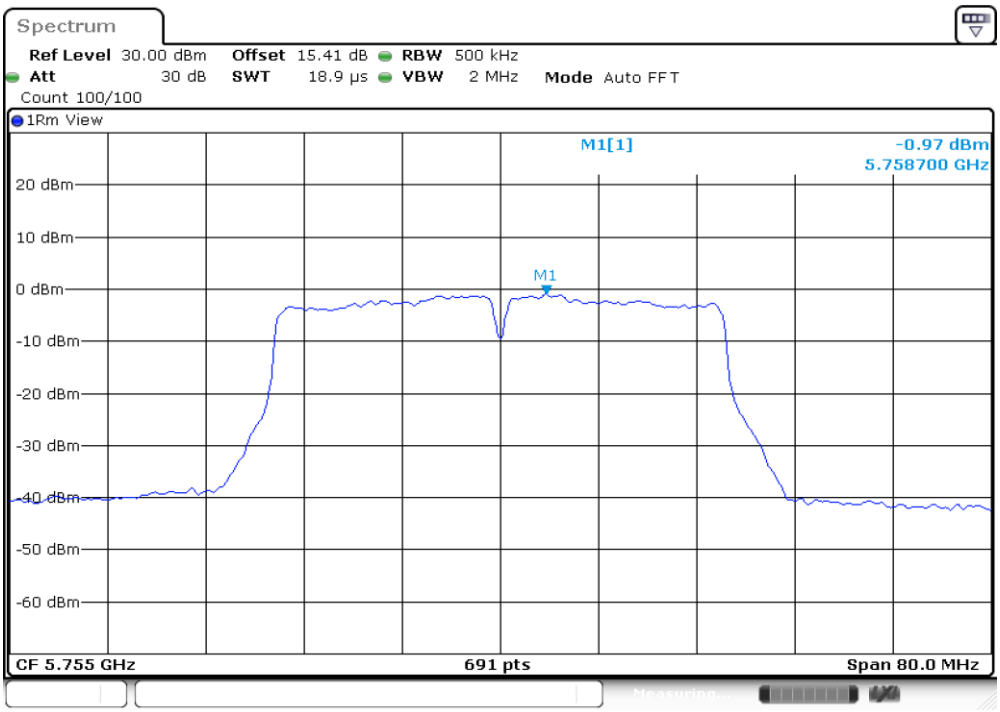

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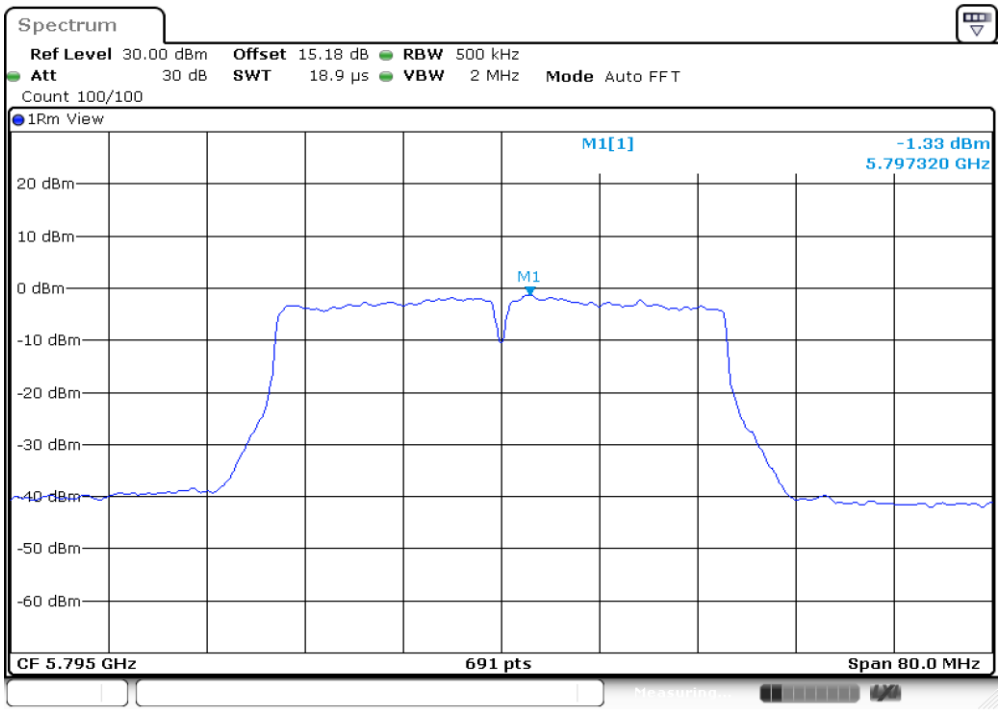

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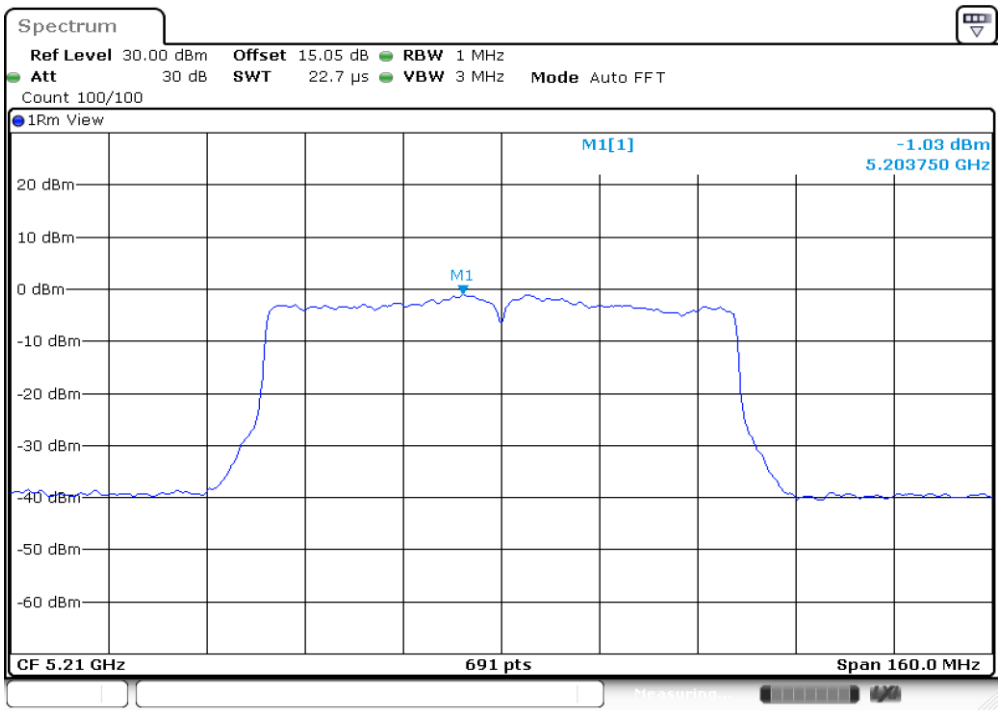

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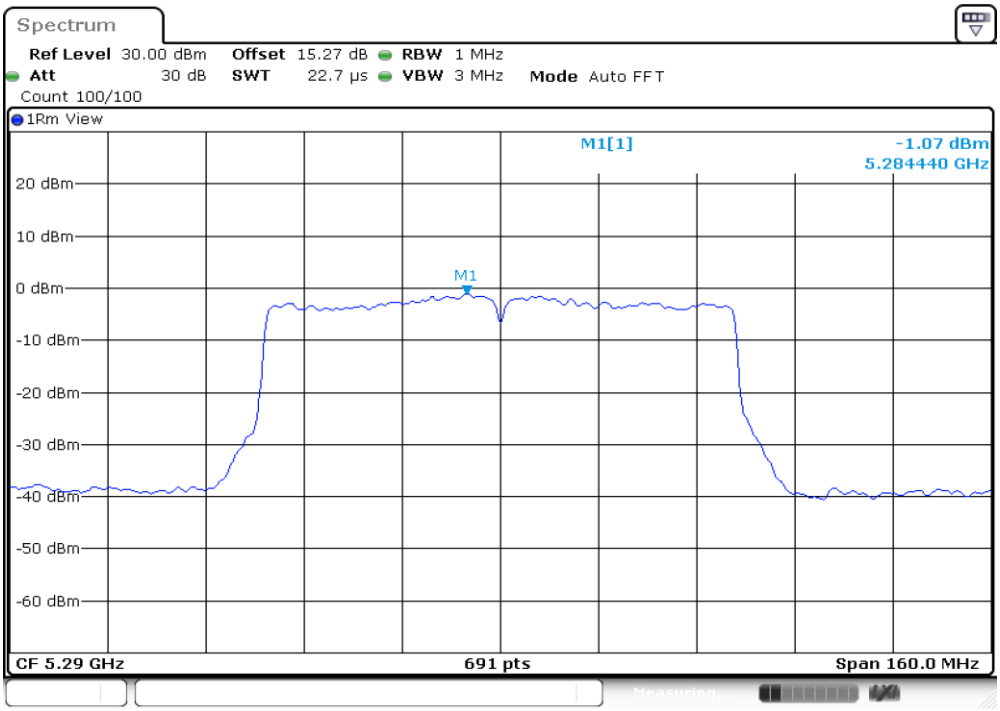

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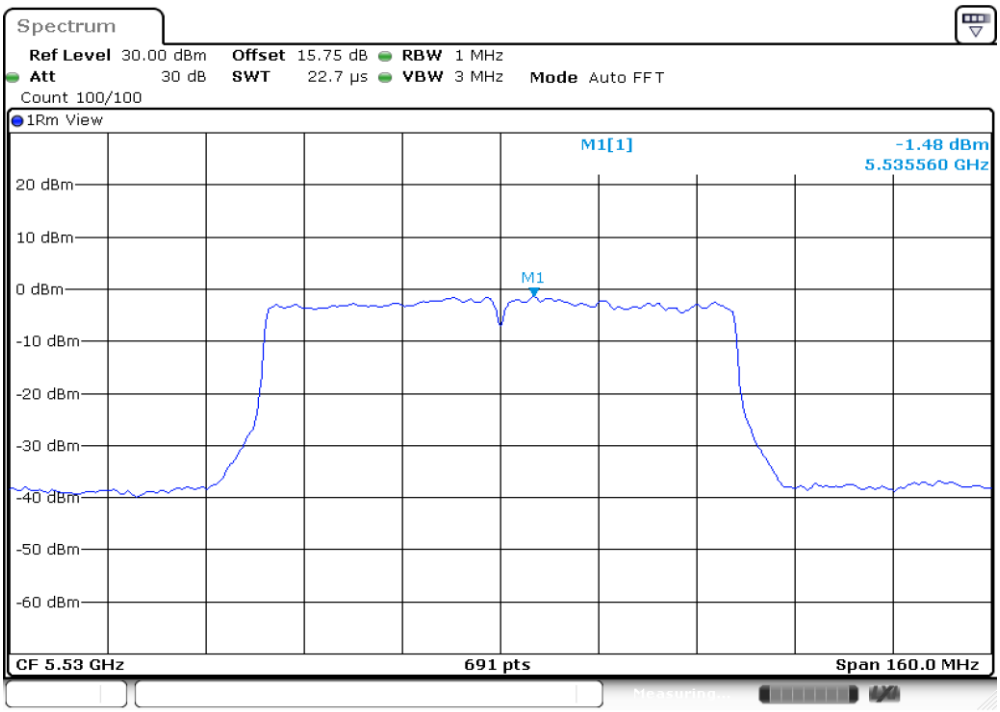

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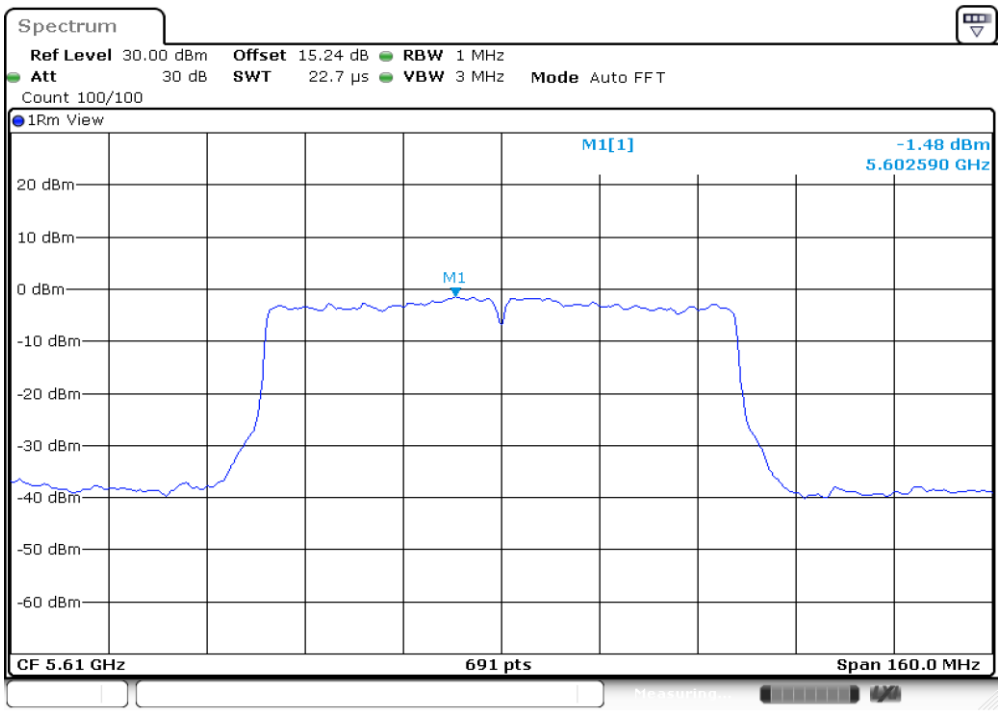

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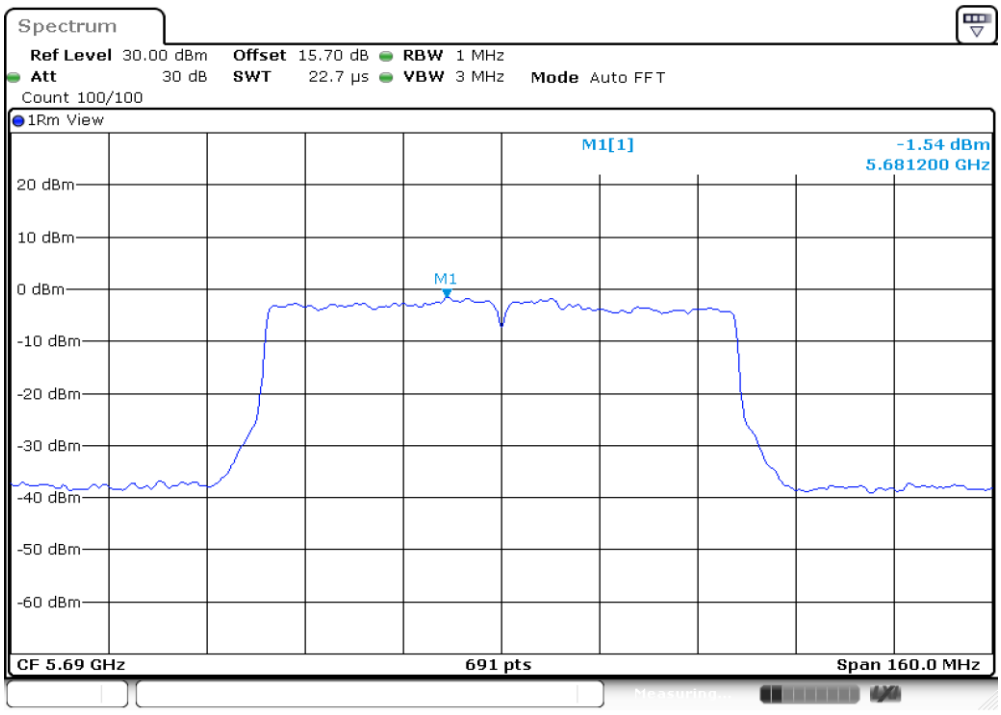

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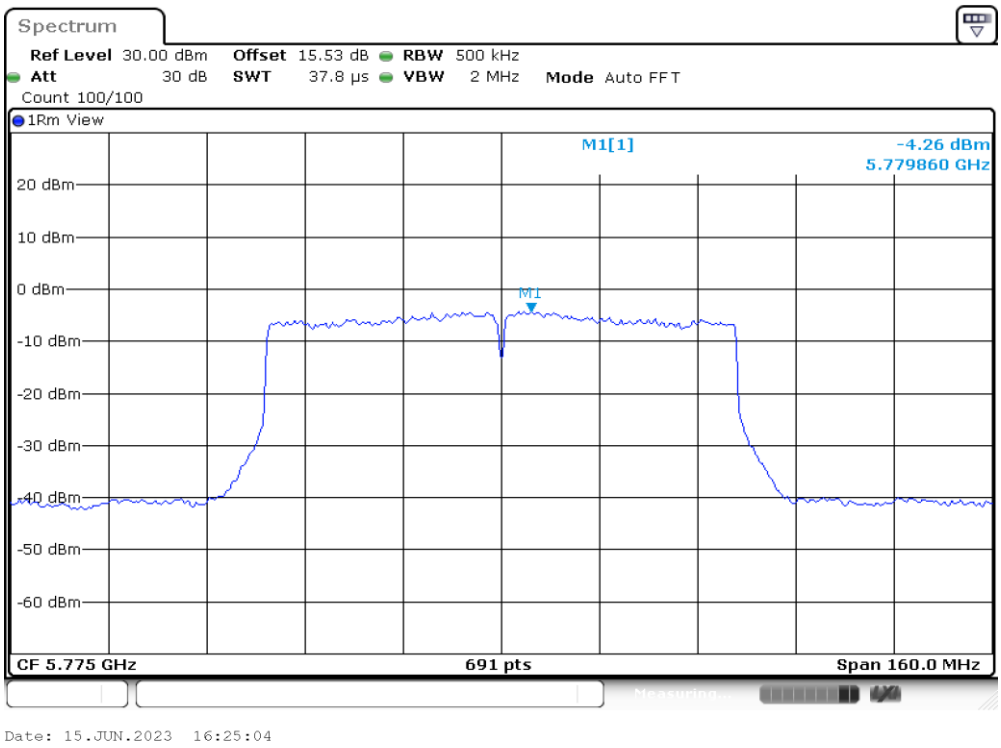
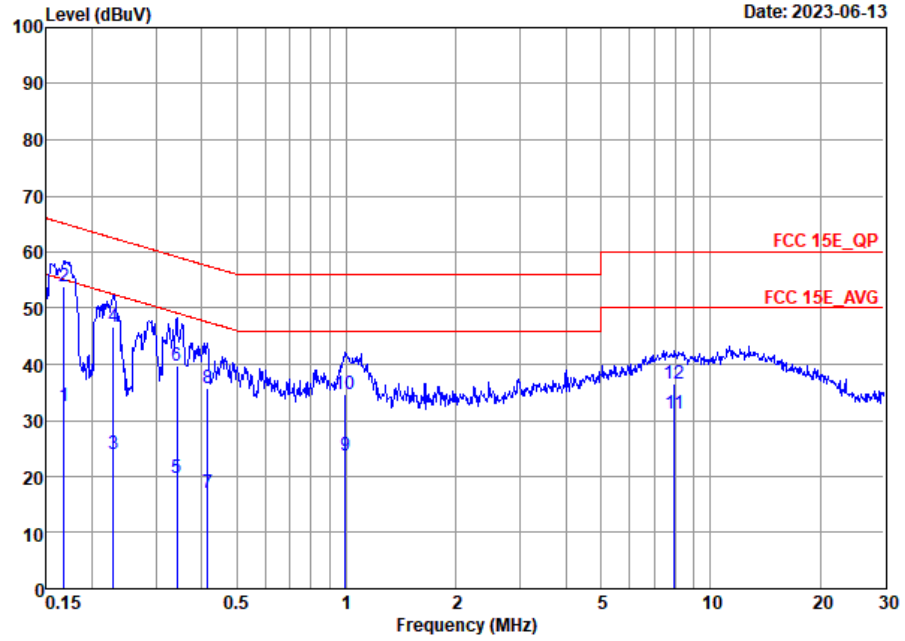


Appendix B. AC Conducted Emission Test Results

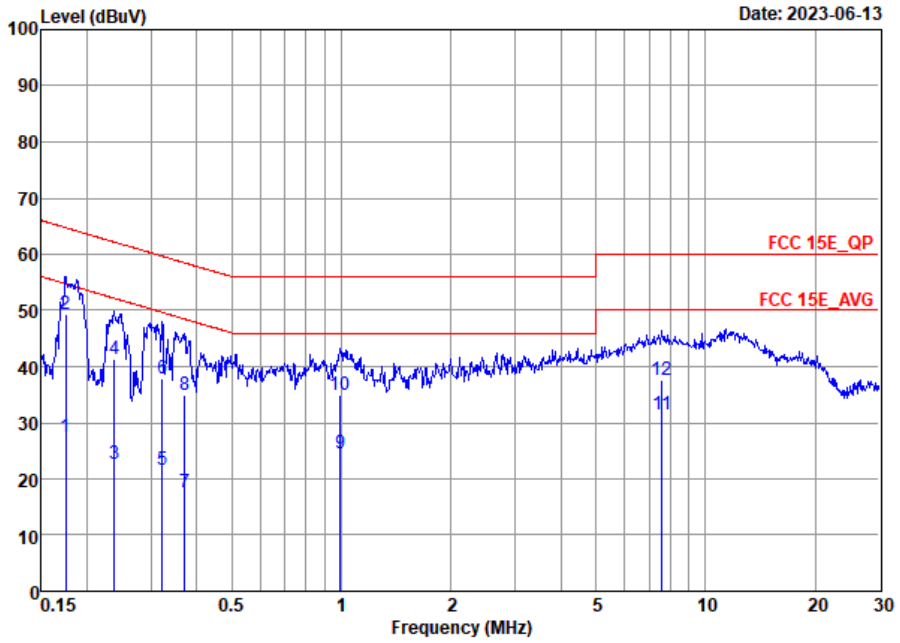
Test Engineer :	Lily Qiu	**Temperature :**	22~24℃
		Relative Humidity :	44~50%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-SZ
Condition: FCC 15E_QP LISN_20230420_L LINE

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.17	32.62	-22.46	55.08	12.00	10.48	10.14	Average
2	*	0.17	53.92	-11.16	65.08	33.30	10.48	10.14	QP
3		0.23	23.94	-28.54	52.48	3.40	10.39	10.15	Average
4		0.23	46.64	-15.84	62.48	26.10	10.39	10.15	QP
5		0.34	19.77	-29.36	49.13	-0.71	10.32	10.16	Average
6		0.34	39.77	-19.36	59.13	19.29	10.32	10.16	QP
7		0.41	17.04	-30.51	47.55	-3.40	10.28	10.16	Average
8		0.41	35.84	-21.71	57.55	15.40	10.28	10.16	QP
9		0.99	23.80	-22.20	46.00	3.40	10.24	10.16	Average
10		0.99	34.70	-21.30	56.00	14.30	10.24	10.16	QP
11		7.98	31.24	-18.76	50.00	10.90	9.97	10.37	Average
12		7.98	36.44	-23.56	60.00	16.10	9.97	10.37	QP

Test Engineer :	Lily Qiu	**Temperature :**	22~24℃
		Relative Humidity :	44~50%
Test Voltage :	120Vac / 60Hz	**Phase :**	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-SZ
Condition: FCC 15E_QP LISN_20230420_N NEUTRAL

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.17	27.56	-27.16	54.72	7.01	10.41	10.14	Average
2	*	0.17	49.26	-15.46	64.72	28.71	10.41	10.14	QP
3		0.24	22.68	-29.49	52.17	2.20	10.33	10.15	Average
4		0.24	41.38	-20.79	62.17	20.90	10.33	10.15	QP
5		0.32	21.64	-28.02	49.66	1.20	10.28	10.16	Average
6		0.32	37.94	-21.72	59.66	17.50	10.28	10.16	QP
7		0.37	17.71	-30.76	48.47	-2.70	10.25	10.16	Average
8		0.37	34.91	-23.56	58.47	14.50	10.25	10.16	QP
9		0.99	24.40	-21.60	46.00	4.00	10.24	10.16	Average
10		0.99	34.90	-21.10	56.00	14.50	10.24	10.16	QP
11		7.61	31.51	-18.49	50.00	11.09	10.05	10.37	Average
12		7.61	37.61	-22.39	60.00	17.19	10.05	10.37	QP

Note:

1. Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
2. Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)

Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	HuaCong Liang	**Relative Humidity :**	50%
		Temperature :	20~22 ℃

Radiated Spurious Emission Test Modes

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	U-NII-1	5.15-5.25	6	802.11a	36	5180	6Mbps	-	-
Mode 2	U-NII-1	5.15-5.25	6	802.11a	44	5220	6Mbps	-	-
Mode 3	U-NII-1	5.15-5.25	6	802.11a	48	5240	6Mbps	-	-
Mode 4	U-NII-2A	5.25-5.35	6	802.11a	52	5260	6Mbps	-	-
Mode 5	U-NII-2A	5.25-5.35	6	802.11a	60	5300	6Mbps	-	-
Mode 6	U-NII-2A	5.25-5.35	6	802.11a	64	5320	6Mbps	-	-
Mode 7	U-NII-2C	5.47-5.725	6	802.11a	100	5500	6Mbps	-	-
Mode 8	U-NII-2C	5.47-5.725	6	802.11a	116	5580	6Mbps	-	-
Mode 9	U-NII-2C	5.47-5.725	6	802.11a	140	5700	6Mbps	-	-
Mode 10	U-NII-1	5.15-5.25	6	802.11ac VHT20	36	5180	MCS0	-	-
Mode 11	U-NII-1	5.15-5.25	6	802.11ac VHT20	44	5220	MCS0	-	-