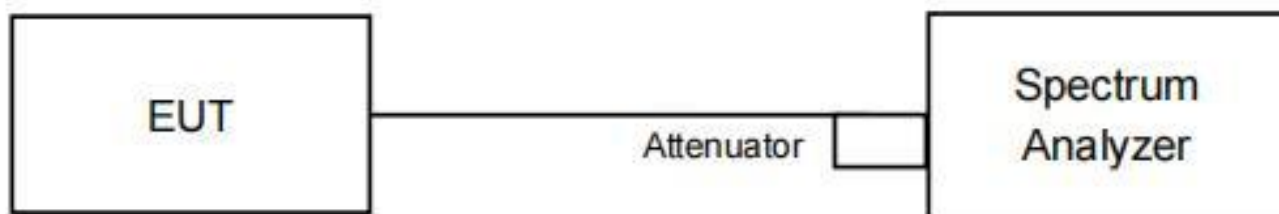


Test Setup Diagram



Measurement Data

ANT 1:

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	11.85	0.15	12.00	≤24.00	PASS
		5200	11.60	0.15	11.75	≤24.00	PASS
		5240	11.65	0.15	11.80	≤24.00	PASS
		5745	4.08	0.15	4.23	≤30.00	PASS
		5785	5.12	0.12	5.24	≤30.00	PASS
		5825	0.21	0.16	0.37	≤30.00	PASS
11N20MIM O	Ant1	5180	11.75	0.13	11.88	≤24.00	PASS
		5200	11.52	0.13	11.65	≤24.00	PASS
		5240	11.67	0.16	11.83	≤24.00	PASS
		5745	3.92	0.17	4.09	≤30.00	PASS
		5785	4.90	0.16	5.06	≤30.00	PASS
		5825	0.69	0.13	0.82	≤30.00	PASS
11N40MIM O	Ant1	5190	11.58	0.32	11.90	≤24.00	PASS
		5230	9.36	0.26	9.62	≤24.00	PASS
		5755	2.55	0.26	2.81	≤30.00	PASS
		5795	4.06	0.32	4.38	≤30.00	PASS
11AC20MI MO	Ant1	5180	11.18	0.16	11.34	≤24.00	PASS
		5200	11.04	0.13	11.17	≤24.00	PASS
		5240	11.17	0.13	11.30	≤24.00	PASS
		5745	3.47	0.16	3.63	≤30.00	PASS
		5785	4.62	0.16	4.78	≤30.00	PASS
		5825	-0.41	0.16	-0.25	≤30.00	PASS
11AC40MI MO	Ant1	5190	10.50	0.32	10.82	≤24.00	PASS
		5230	8.37	0.26	8.63	≤24.00	PASS
		5755	1.08	0.26	1.34	≤30.00	PASS
		5795	2.92	0.26	3.18	≤30.00	PASS
11AC80MI MO	Ant1	5210	9.10	0.50	9.60	≤24.00	PASS
		5775	2.43	0.08	2.51	≤30.00	PASS
11AX20MIM O	Ant1	5180	11.97	0.13	12.10	≤24.00	PASS
		5200	11.52	0.16	11.68	≤24.00	PASS
		5240	11.84	0.16	12.00	≤24.00	PASS
		5745	4.17	0.17	4.34	≤30.00	PASS

		5785	4.50	0.16	4.66	≤30.00	PASS
		5825	-0.26	0.17	-0.09	≤30.00	PASS
11AX40MIM O	Ant1	5190	11.48	0.26	11.74	≤24.00	PASS
		5230	9.58	0.33	9.91	≤24.00	PASS
		5755	1.96	0.33	2.29	≤30.00	PASS
		5795	4.12	0.26	4.38	≤30.00	PASS
11AX80MIM O	Ant1	5210	11.11	0.12	11.23	≤24.00	PASS
		5775	1.96	0.12	2.08	≤30.00	PASS

ANT 2:

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	5180	10.36	0.00	10.36	≤24.00	PASS
		5200	10.56	0.00	10.56	≤24.00	PASS
		5240	10.36	0.00	10.36	≤24.00	PASS
		5745	3.14	0.00	3.14	≤30.00	PASS
		5785	4.10	0.00	4.10	≤30.00	PASS
		5825	-0.88	0.00	-0.88	≤30.00	PASS
11N20MIM O	Ant2	5180	10.78	0.00	10.78	≤24.00	PASS
		5200	10.76	0.00	10.76	≤24.00	PASS
		5240	10.89	0.00	10.89	≤24.00	PASS
		5745	3.52	0.00	3.52	≤30.00	PASS
		5785	4.48	0.00	4.48	≤30.00	PASS
		5825	-0.31	0.00	-0.31	≤30.00	PASS
11N40MIM O	Ant2	5190	10.67	0.00	10.67	≤24.00	PASS
		5230	8.72	0.00	8.72	≤24.00	PASS
		5755	1.55	0.00	1.55	≤30.00	PASS
		5795	3.41	0.00	3.41	≤30.00	PASS
11AC20MI MO	Ant2	5180	10.38	0.00	10.38	≤24.00	PASS
		5200	10.32	0.00	10.32	≤24.00	PASS
		5240	10.44	0.00	10.44	≤24.00	PASS
		5745	3.01	0.00	3.01	≤30.00	PASS
		5785	3.78	0.00	3.78	≤30.00	PASS
		5825	-1.01	0.00	-1.01	≤30.00	PASS
11AC40MI MO	Ant2	5190	9.69	0.00	9.69	≤24.00	PASS
		5230	7.75	0.00	7.75	≤24.00	PASS
		5755	0.41	0.00	0.41	≤30.00	PASS
		5795	2.54	0.00	2.54	≤30.00	PASS
11AC80MI MO	Ant2	5210	8.28	0.00	8.28	≤24.00	PASS
		5775	1.58	0.00	1.58	≤30.00	PASS
11AX20MIM O	Ant2	5180	10.39	0.00	10.39	≤24.00	PASS
		5200	10.34	0.00	10.34	≤24.00	PASS
		5240	10.42	0.00	10.42	≤24.00	PASS
		5745	2.96	0.00	2.96	≤30.00	PASS
		5785	3.72	0.00	3.72	≤30.00	PASS

		5825	-1.08	0.00	-1.08	≤30.00	PASS
11AX40MIM O	Ant2	5190	9.64	0.00	9.64	≤24.00	PASS
		5230	7.73	0.00	7.73	≤24.00	PASS
		5755	0.36	0.00	0.36	≤30.00	PASS
		5795	2.58	0.00	2.58	≤30.00	PASS
11AX80MIM O	Ant2	5210	8.47	0.00	8.47	≤24.00	PASS
		5775	1.51	0.00	1.51	≤30.00	PASS

Limit=Conducted output power Limit-(gains-6dBi)

gain:

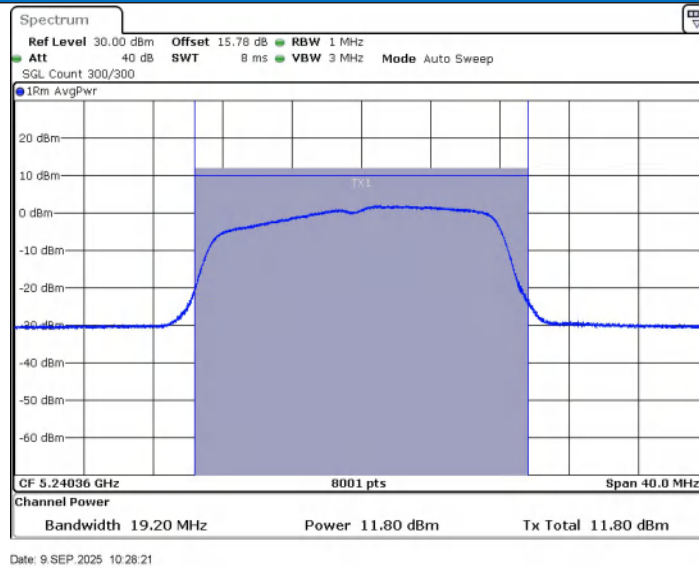
Ant 1 + Ant 2 = 6.12dBi

Test Mode	Antenna	Freq(MHz)	Result [dBm]	Limit [dBm]	Verdict
11N20MIMO	Ant1+Ant2	5180	14.38	≤23.88	PASS
		5200	14.24	≤23.88	PASS
		5240	14.40	≤23.88	PASS
		5745	6.82	≤29.88	PASS
		5785	7.79	≤29.88	PASS
		5825	3.30	≤29.88	PASS
11N40MIMO	Ant1+Ant2	5190	14.34	≤23.88	PASS
		5230	12.20	≤23.88	PASS
		5755	5.24	≤29.88	PASS
		5795	6.93	≤29.88	PASS
11AC20MIMO	Ant1+Ant2	5180	13.90	≤23.88	PASS
		5200	13.78	≤23.88	PASS
		5240	13.90	≤23.88	PASS
		5745	6.34	≤29.88	PASS
		5785	7.32	≤29.88	PASS
		5825	2.40	≤29.88	PASS
11AC40MIMO	Ant1+Ant2	5190	13.30	≤23.88	PASS
		5230	11.22	≤23.88	PASS
		5755	3.91	≤29.88	PASS
		5795	5.88	≤29.88	PASS
11AC80MIMO	Ant1+Ant2	5210	12.00	≤23.88	PASS
		5775	5.08	≤29.88	PASS
11AX20MIMO	Ant1+Ant2	5180	14.34	≤23.88	PASS
		5200	14.07	≤23.88	PASS
		5240	14.29	≤23.88	PASS
		5745	6.71	≤29.88	PASS
		5785	7.23	≤29.88	PASS
		5825	2.45	≤29.88	PASS
11AX40MIMO	Ant1+Ant2	5190	13.83	≤23.88	PASS
		5230	11.97	≤23.88	PASS
		5755	4.44	≤29.88	PASS
		5795	6.58	≤29.88	PASS

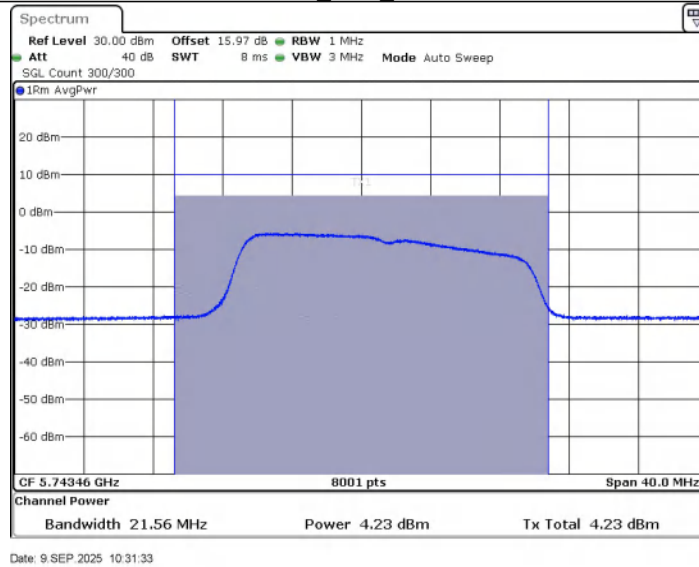
11AX80MIMO	Ant1+Ant2	5210	13.08	≤ 23.88	PASS
		5775	4.81	≤ 29.88	PASS

Ant 1:

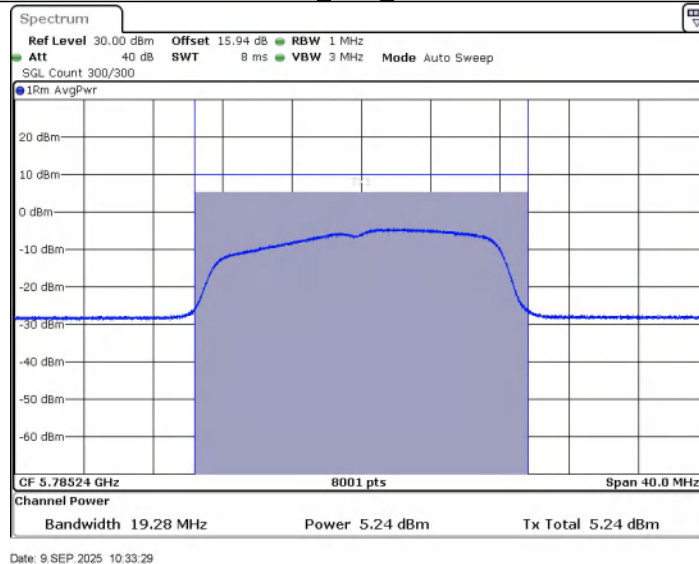




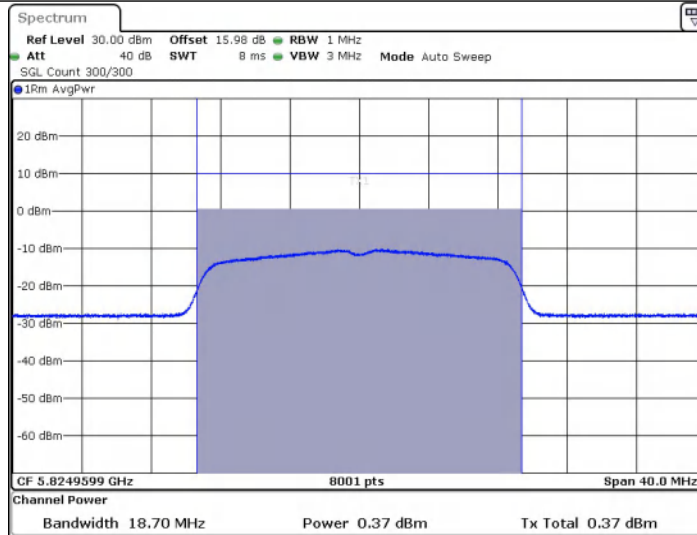
11A_Ant1_5745



11A_Ant1_5785

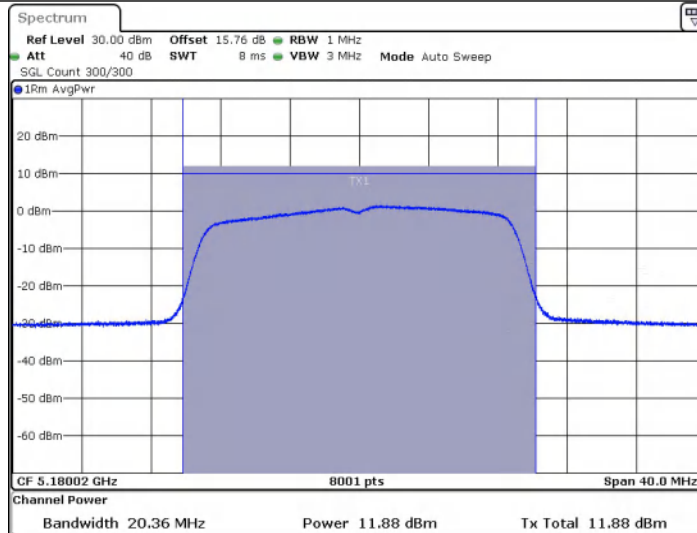


11A_Ant1_5825



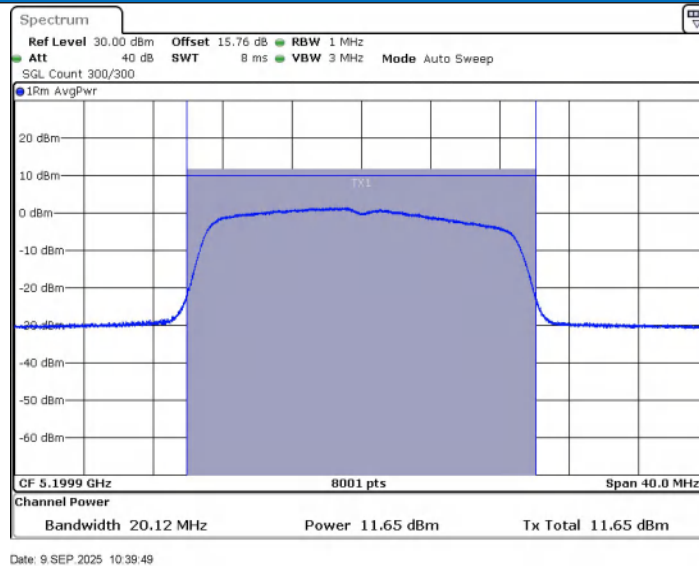
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11N20MIMO_Ant1_5180

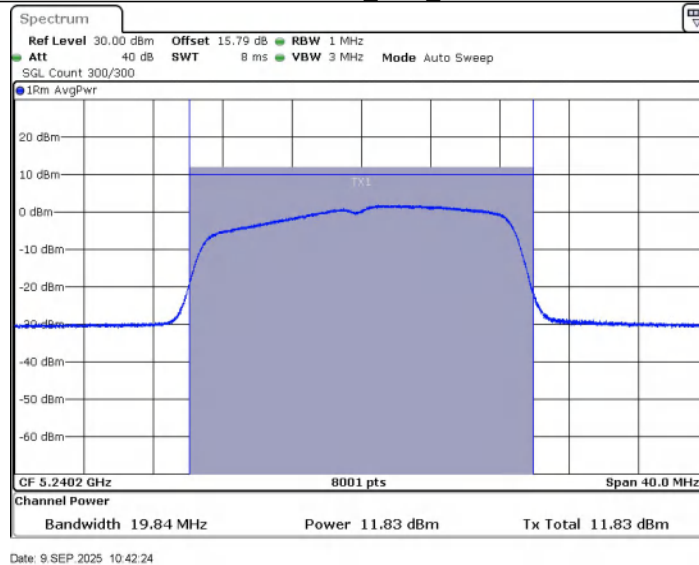


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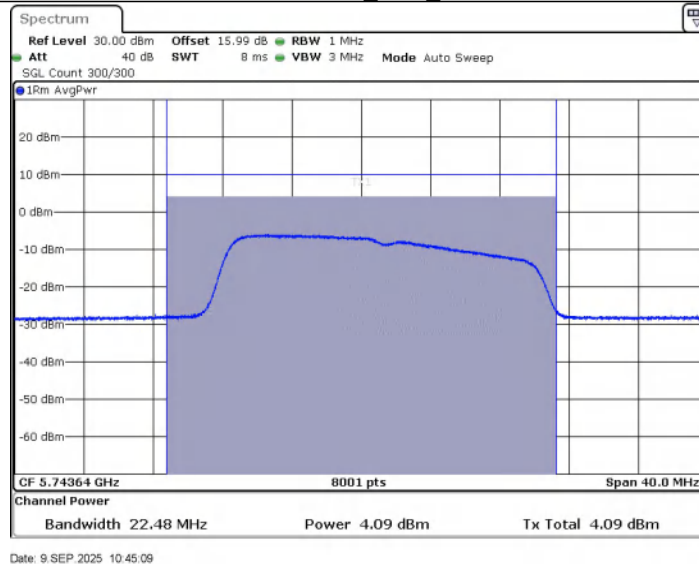
11N20MIMO_Ant1_5200



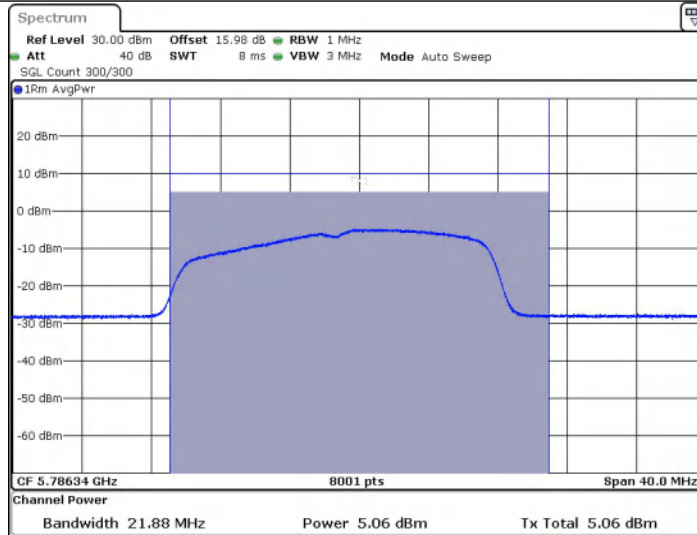
11N20MIMO_Ant1_5240



11N20MIMO_Ant1_5745

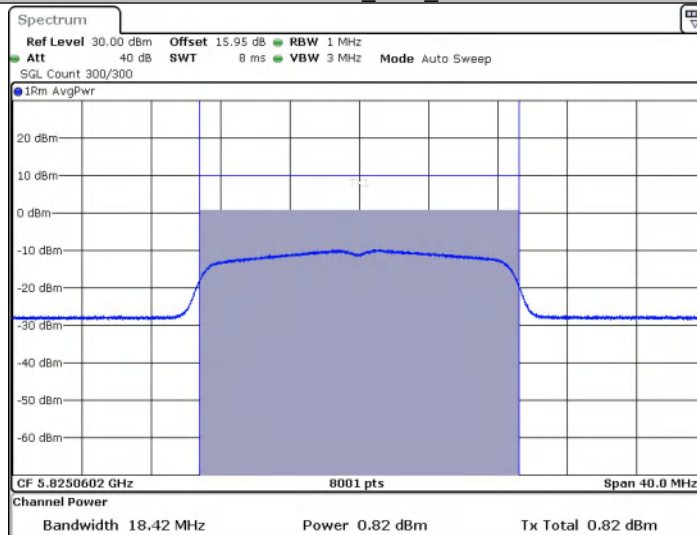


11N20MIMO_Ant1_5785



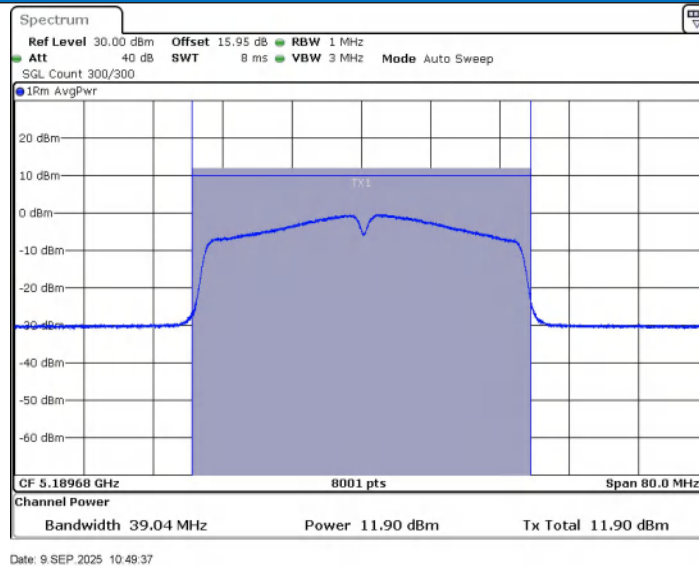
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11N20MIMO_Ant1_5825

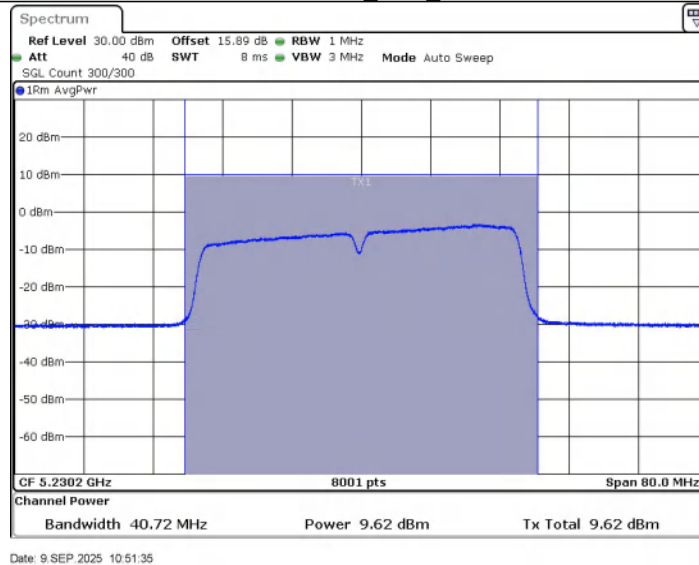


Date: 10 SEP. 2025 15:06:17

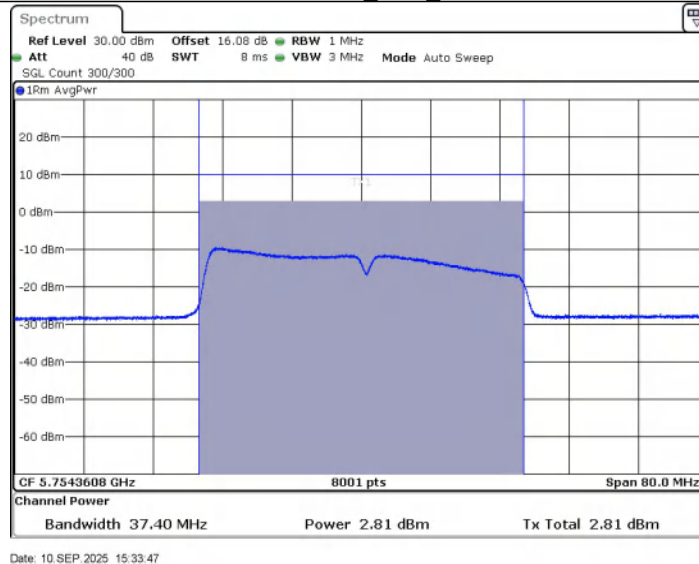
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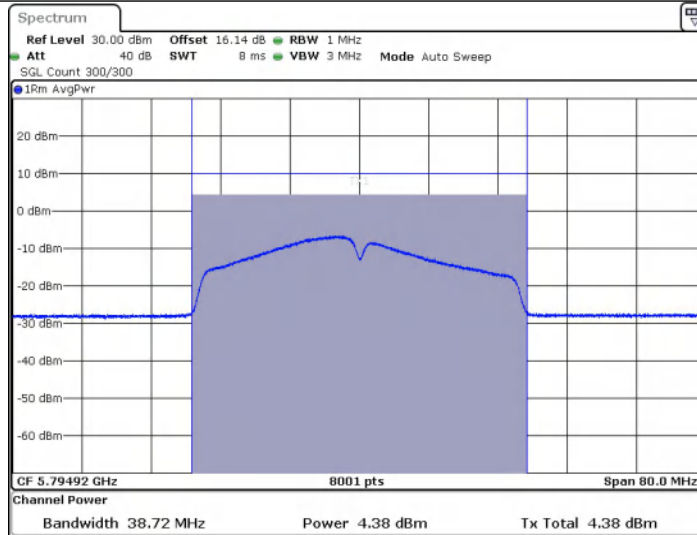
11N40MIMO_Ant1_5230



11N40MIMO_Ant1_5755

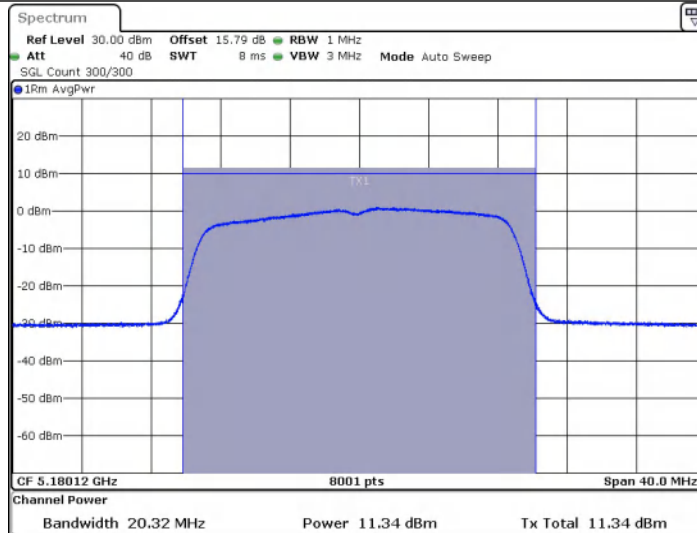


11N40MIMO_Ant1_5795



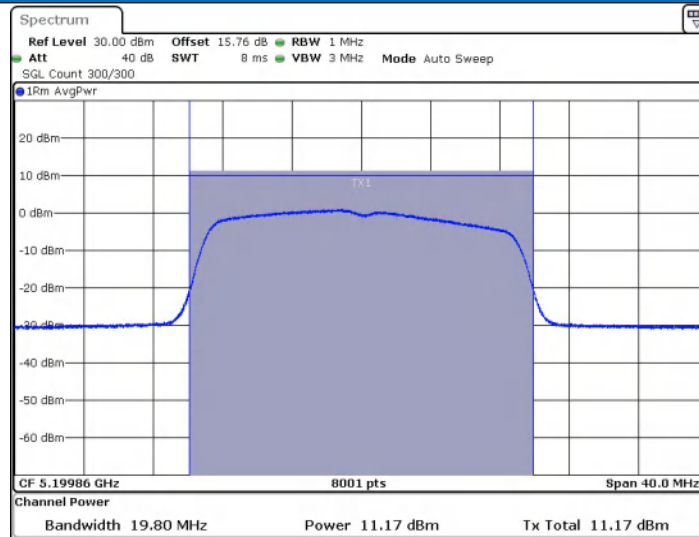
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11AC20MIMO_Ant1_5180



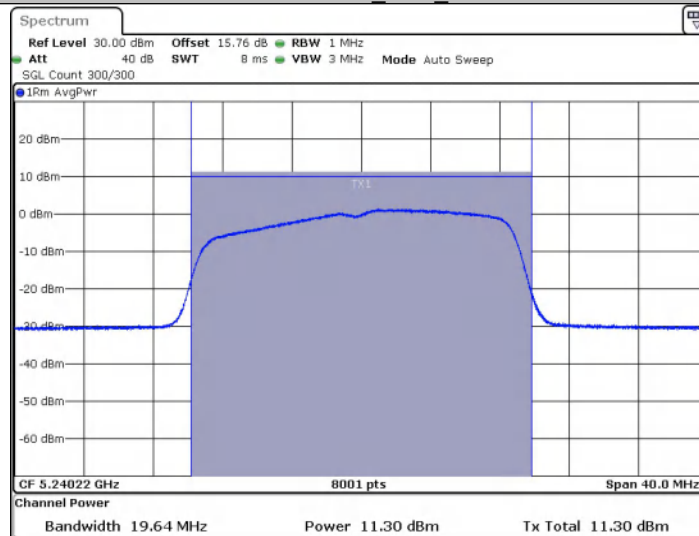
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11AC20MIMO_Ant1_5200



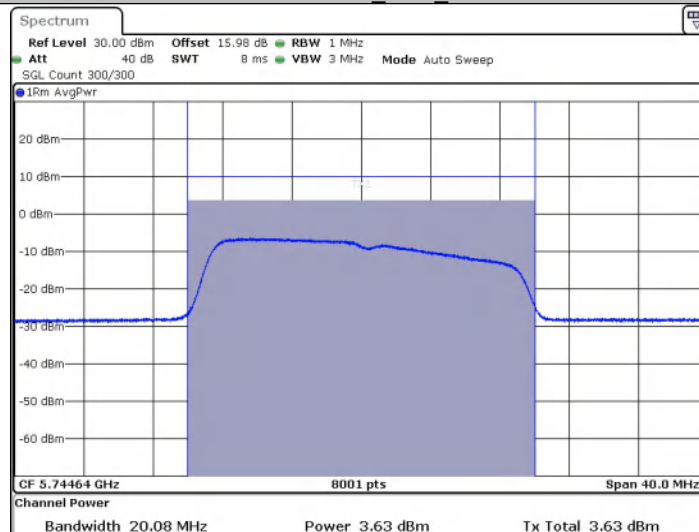
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11AC20MIMO_Ant1_5240



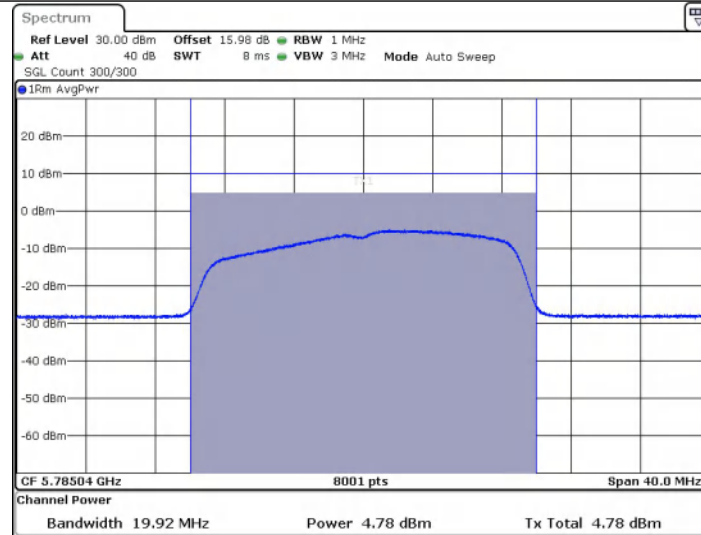
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11AC20MIMO_Ant1_5745



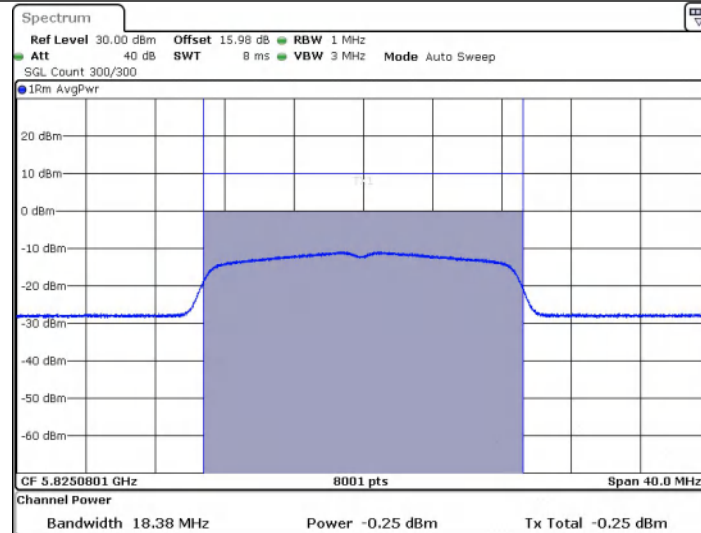
Date: 9 SEP 2025 11:20:24

11AC20MIMO_Ant1_5785



Date: 9 SEP. 2025 11:22:23

11AC20MIMO_Ant1_5825



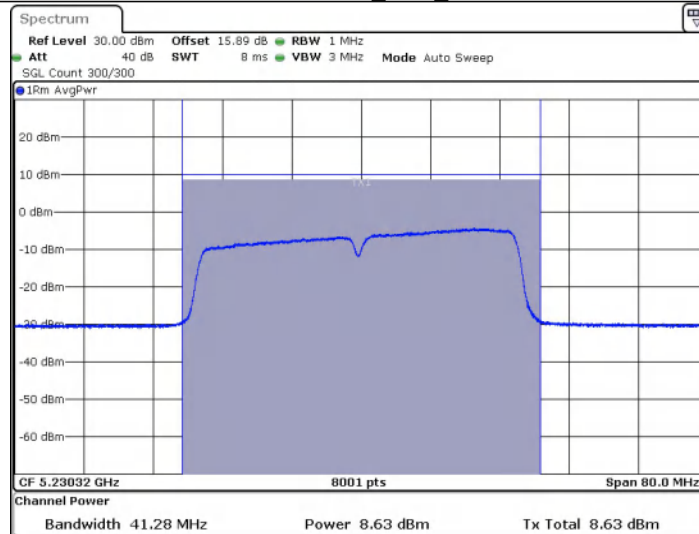
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11AC40MIMO_Ant1_5190



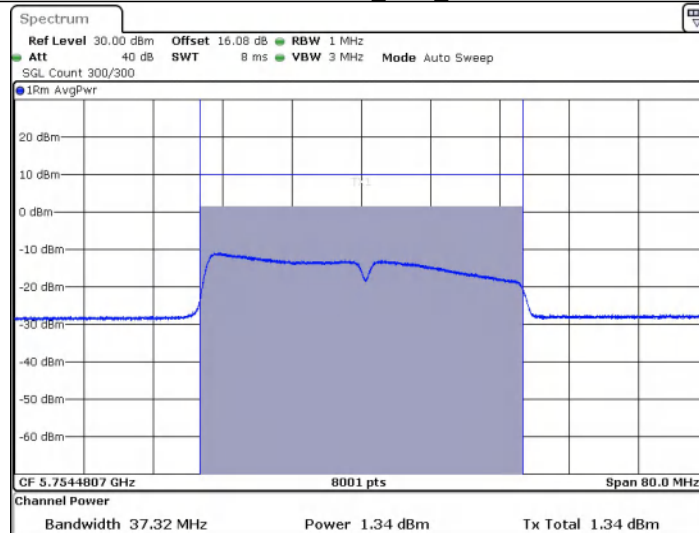
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11AC40MIMO_Ant1_5230



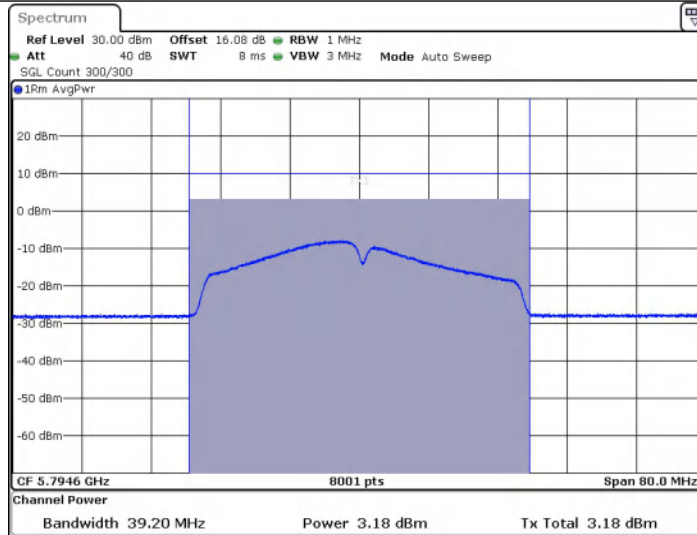
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11AC40MIMO_Ant1_5755



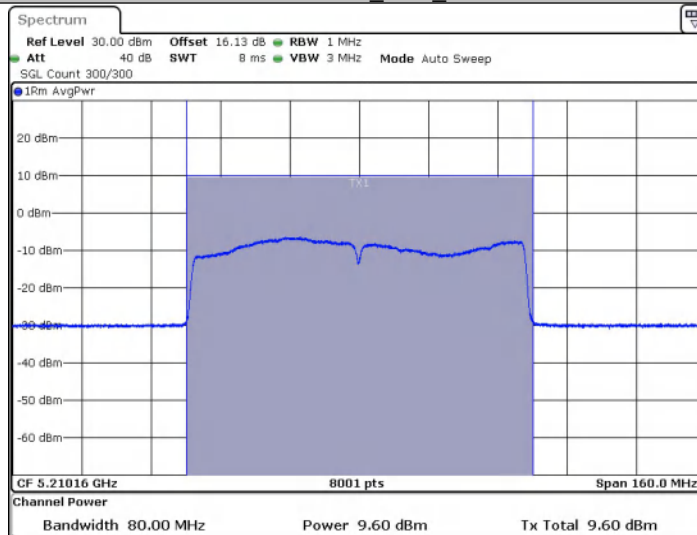
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11AC40MIMO_Ant1_5795



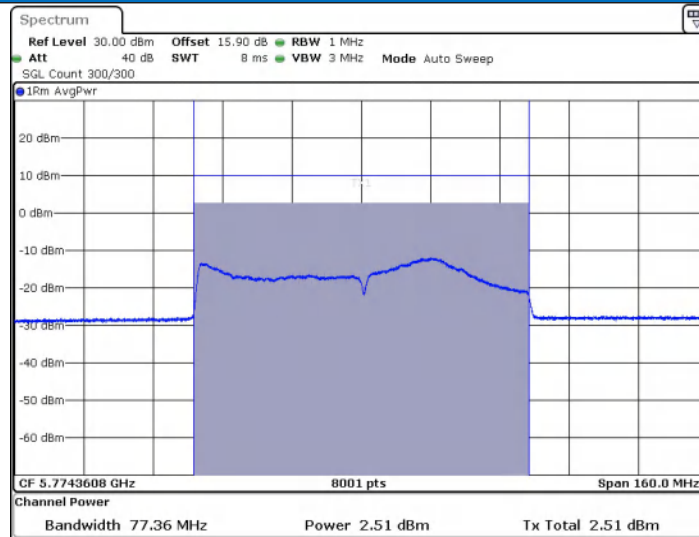
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11AC80MIMO_Ant1_5210



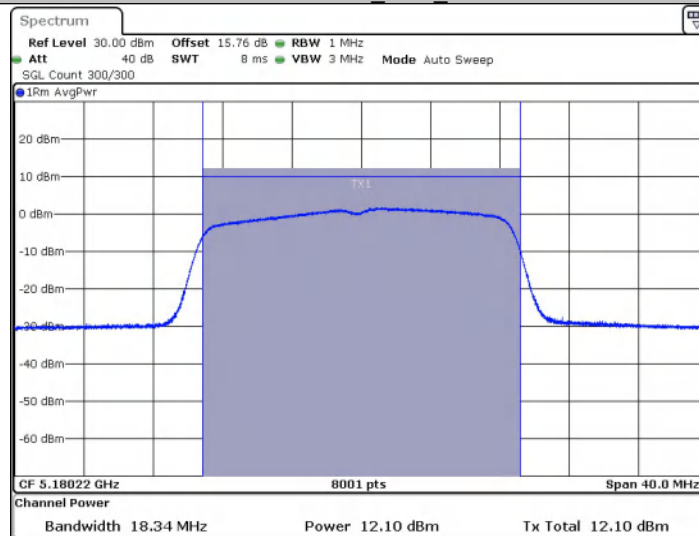
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11AC80MIMO_Ant1_5775



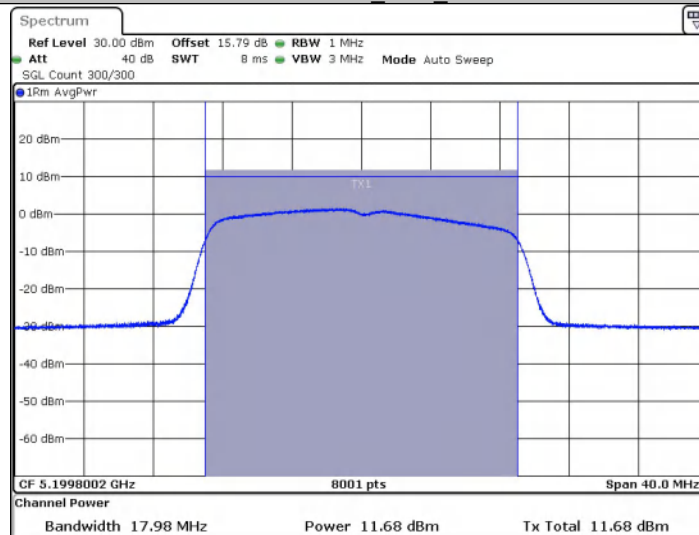
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11AX20MIMO_Ant1_5180



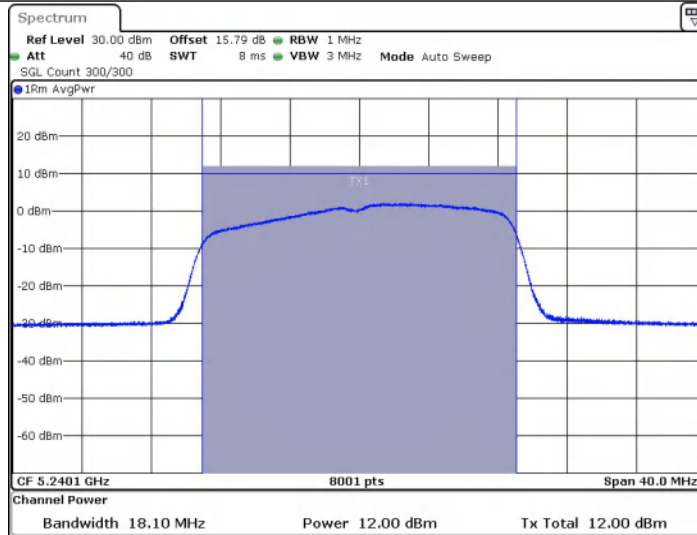
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11AX20MIMO_Ant1_5200

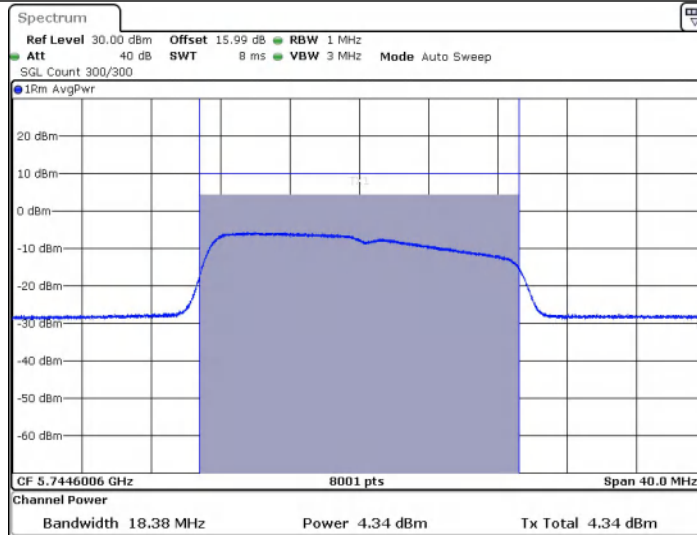


Date: 9 SEP 2025 11:47:00

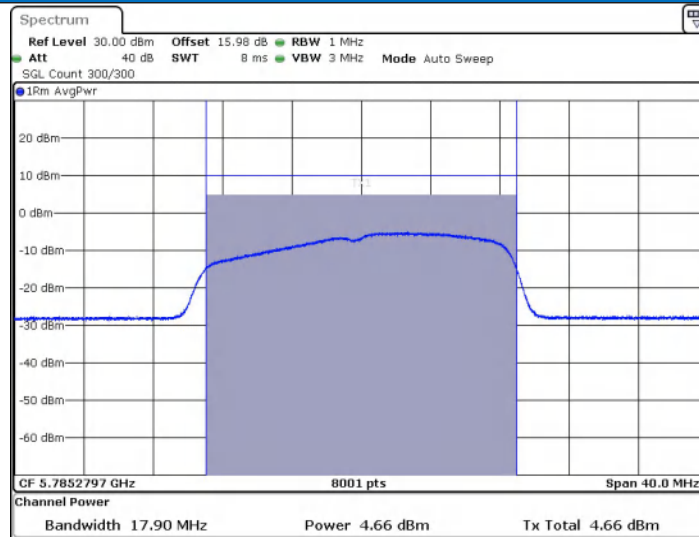
11AX20MIMO_Ant1_5240



11AX20MIMO_Ant1_5745

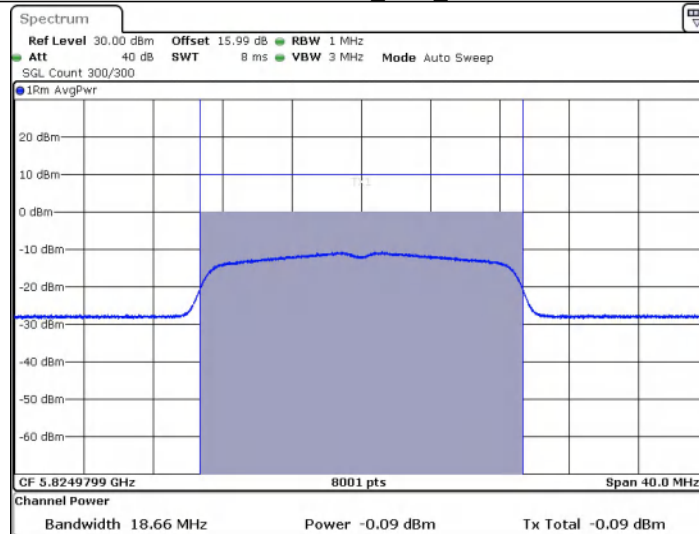


11AX20MIMO_Ant1_5785



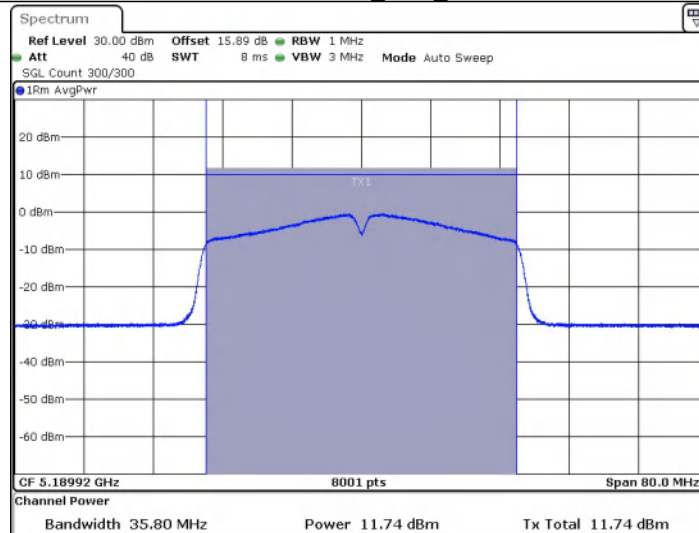
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11AX20MIMO_Ant1_5825



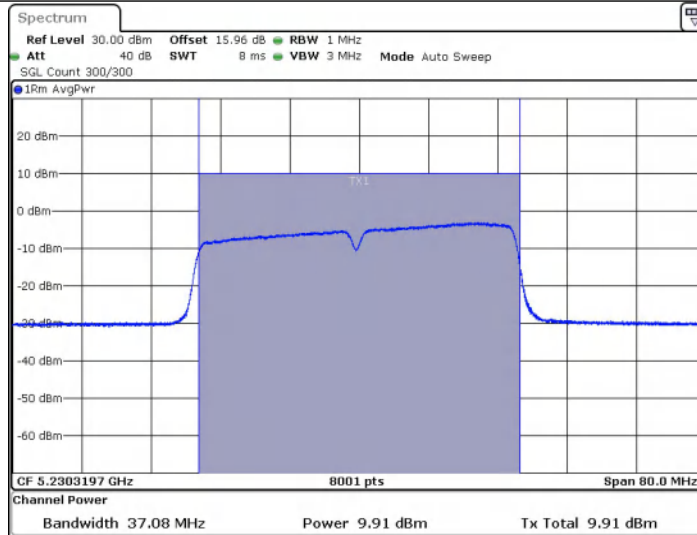
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11AX40MIMO_Ant1_5190

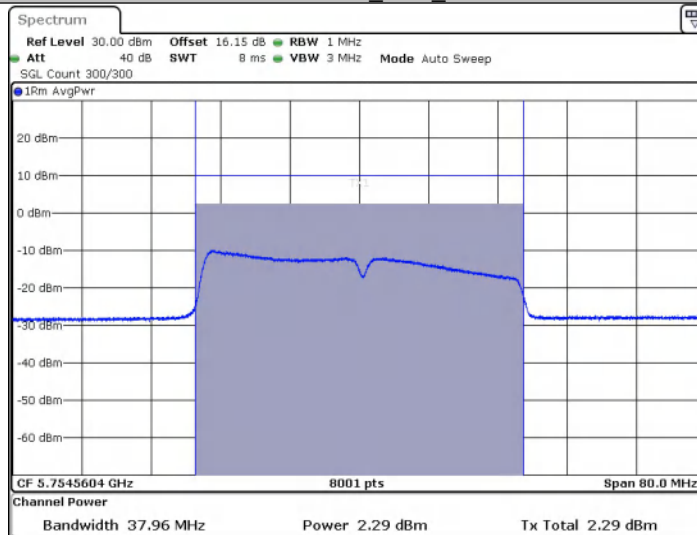


Date: 9 SEP 2025 11:59:09

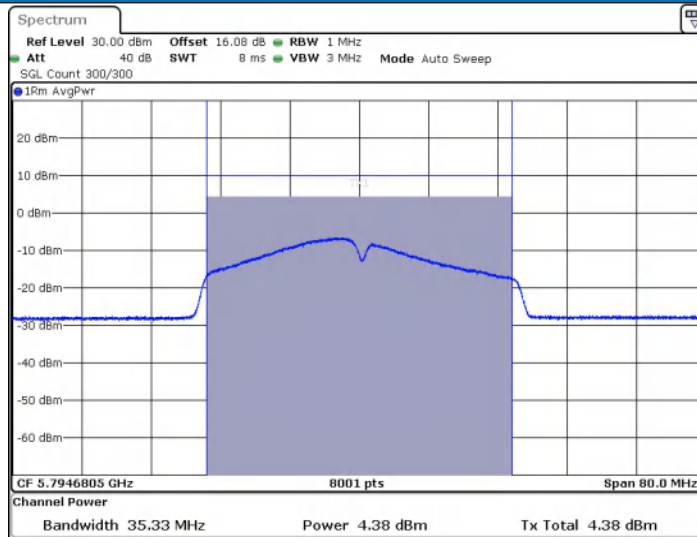
11AX40MIMO_Ant1_5230



11AX40MIMO_Ant1_5755

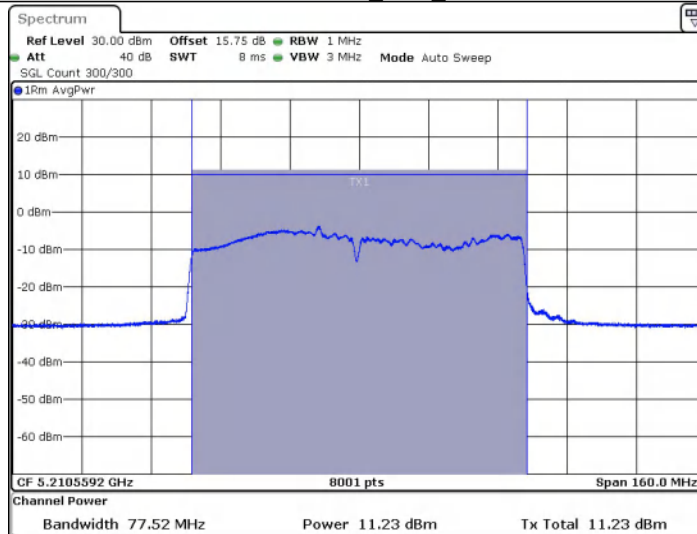


11AX40MIMO_Ant1_5795



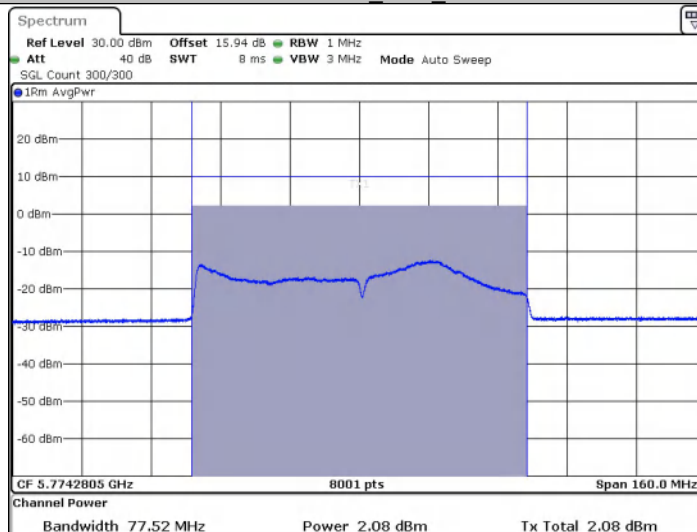
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11AX80MIMO_Ant1_5210



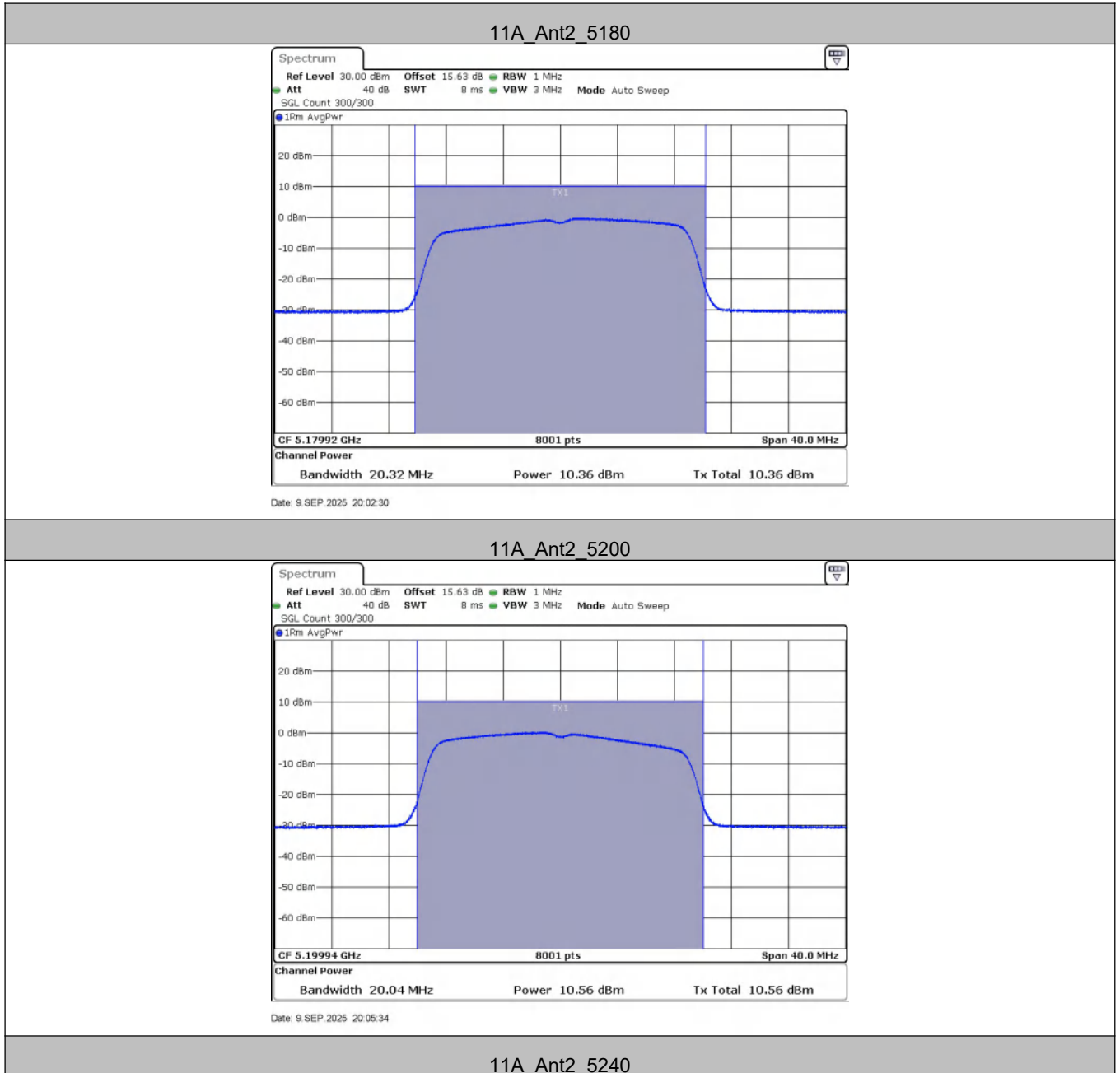
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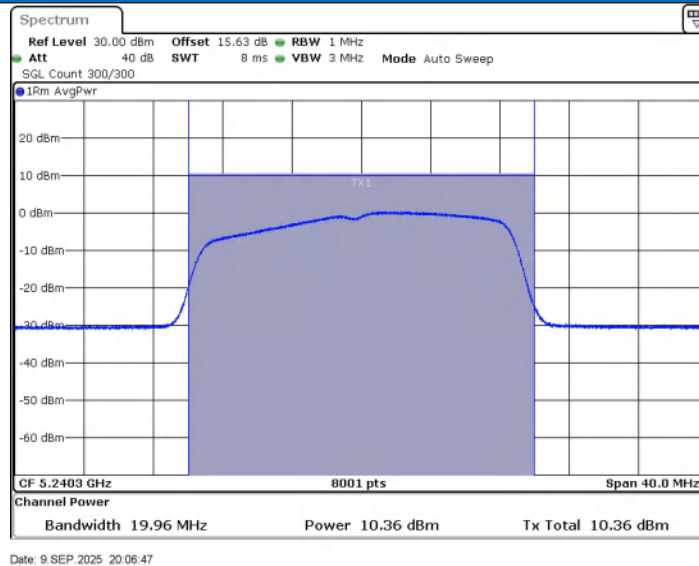
11AX80MIMO_Ant1_5775



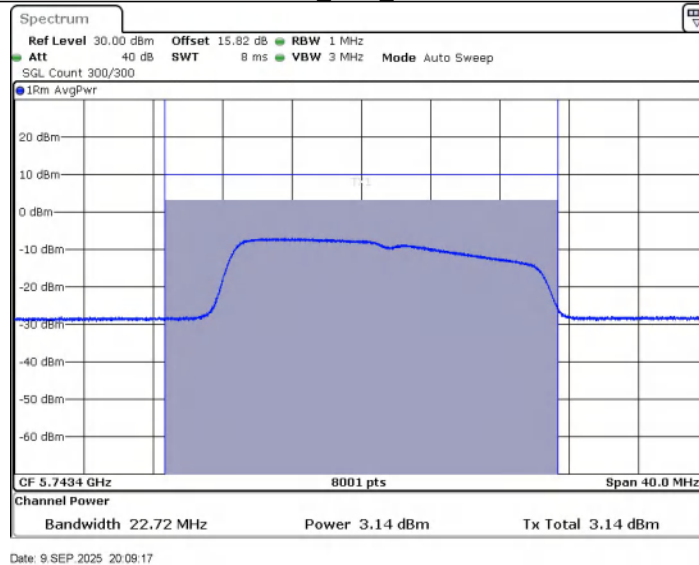
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Ant 2:

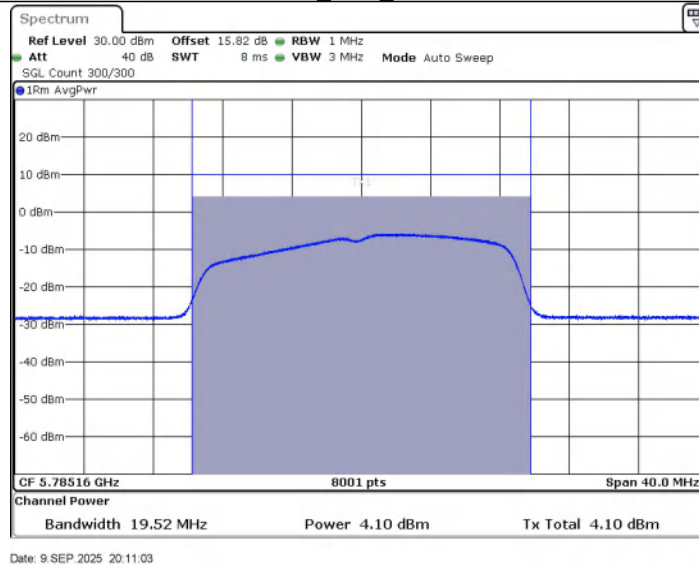




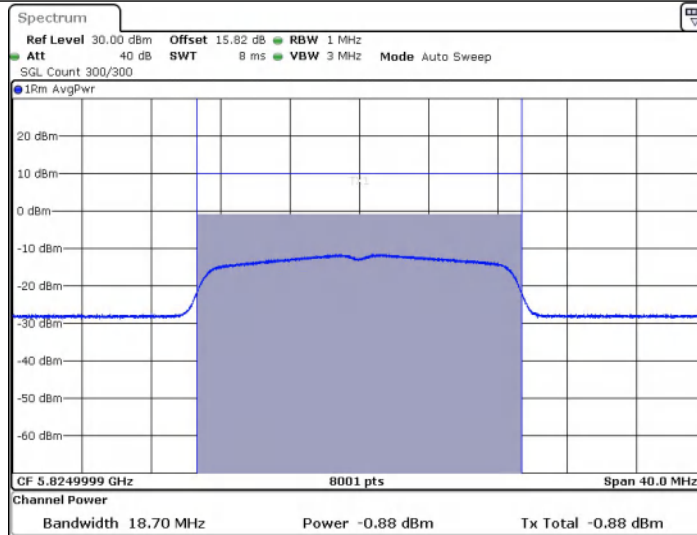
11A_Ant2_5745



11A_Ant2_5785

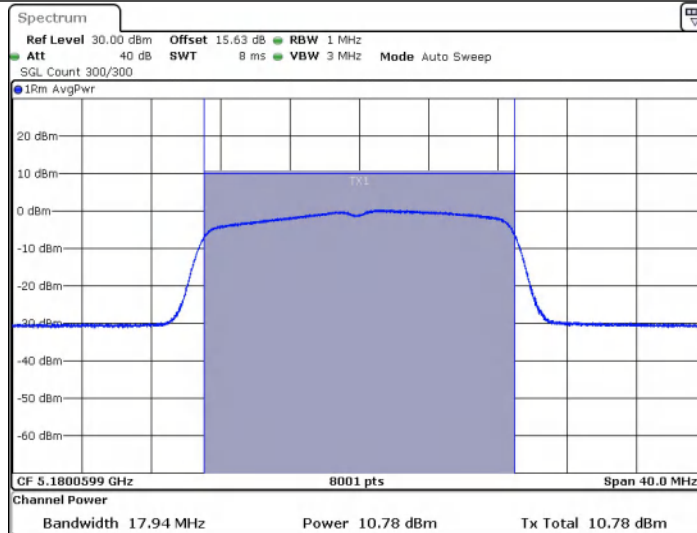


11A_Ant2_5825



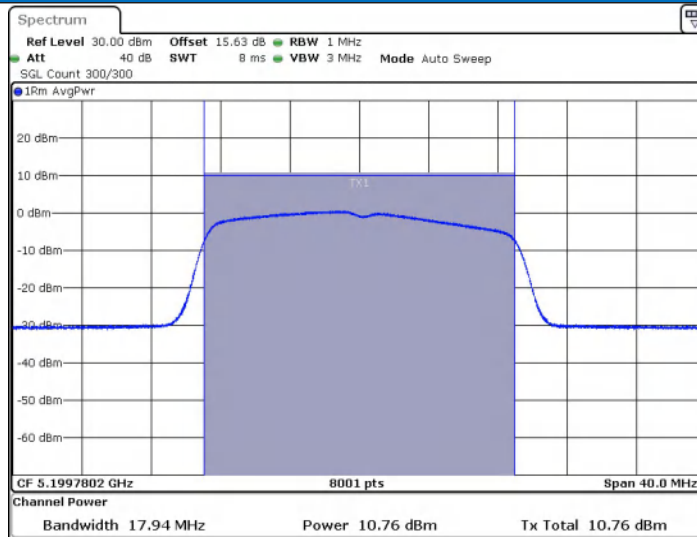
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11N20MIMO_Ant2_5180



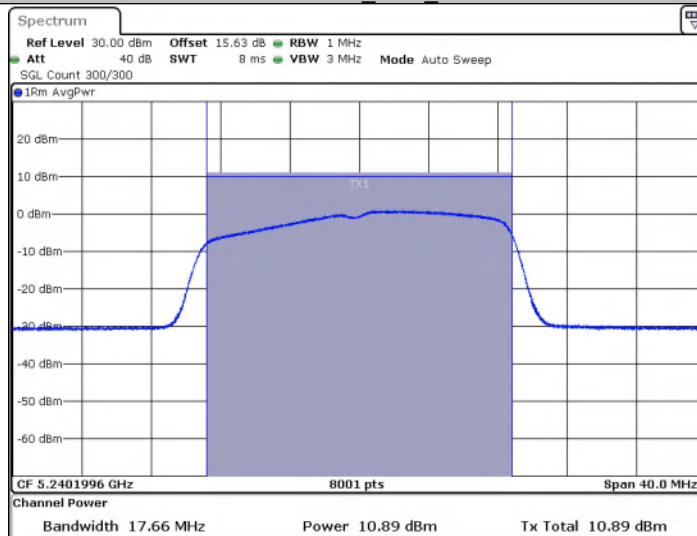
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11N20MIMO_Ant2_5200



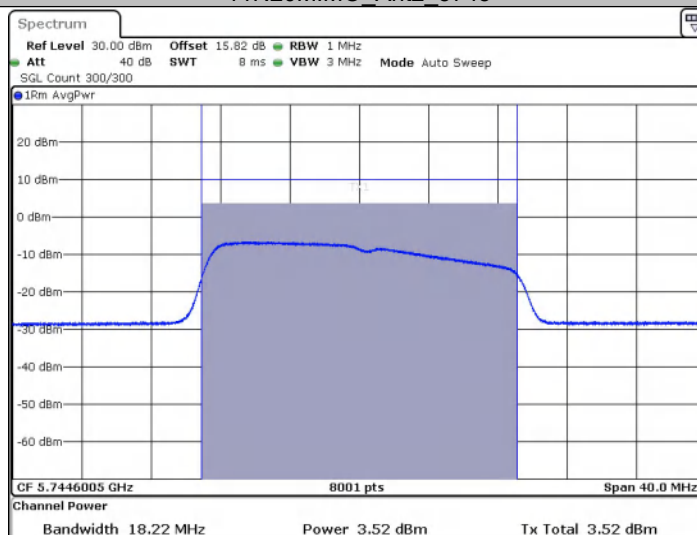
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11N20MIMO_Ant2_5240



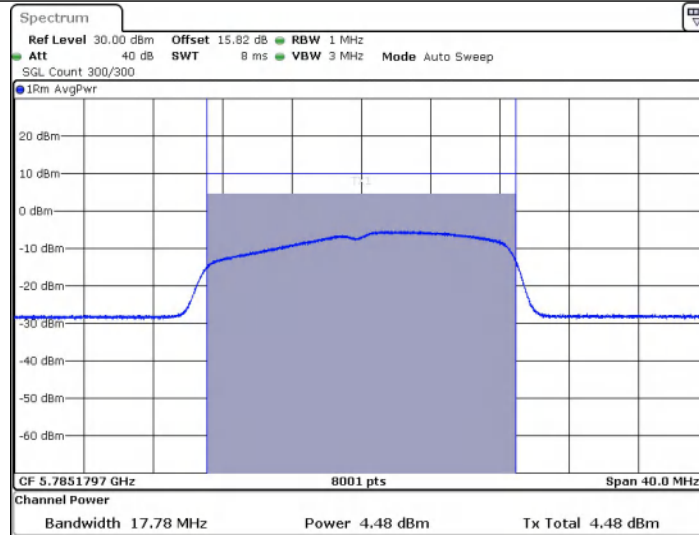
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11N20MIMO_Ant2_5745

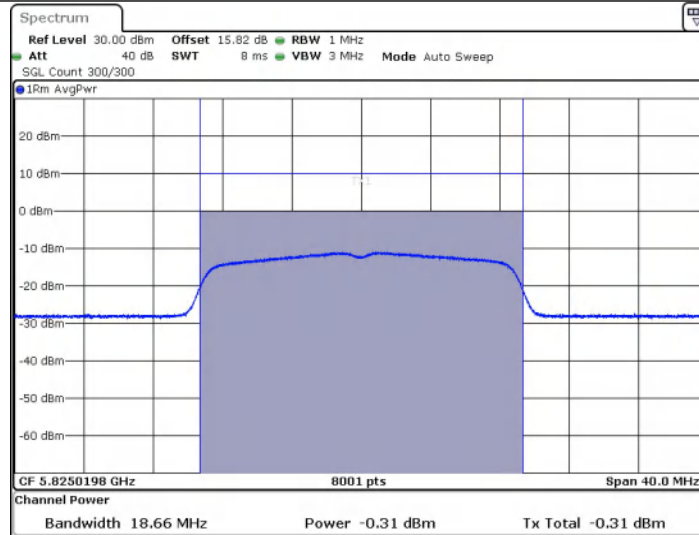


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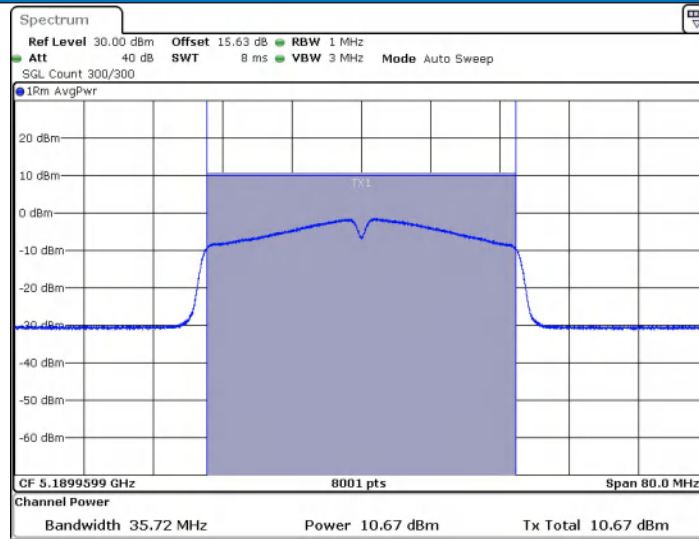
11N20MIMO_Ant2_5785



11N20MIMO_Ant2_5825

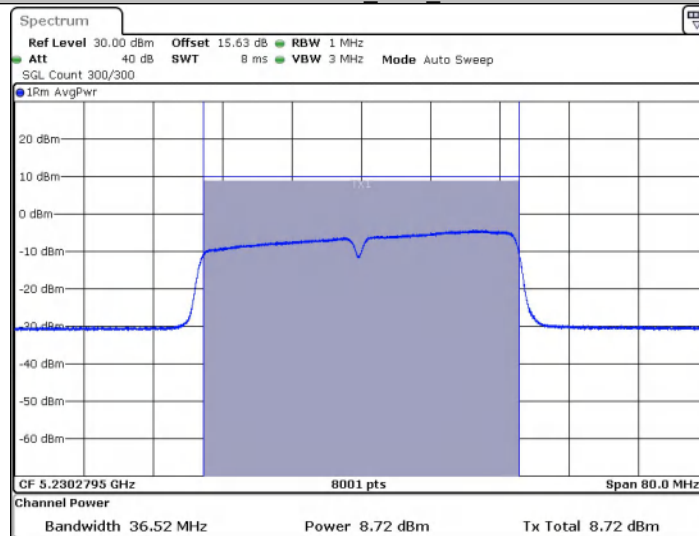


11N40MIMO_Ant2_5190



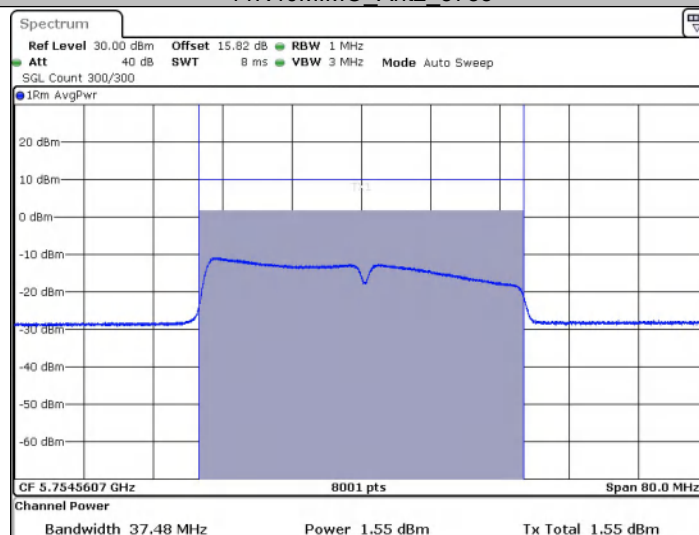
Date: 9 SEP 2025 20:29:23

11N40MIMO_Ant2_5230



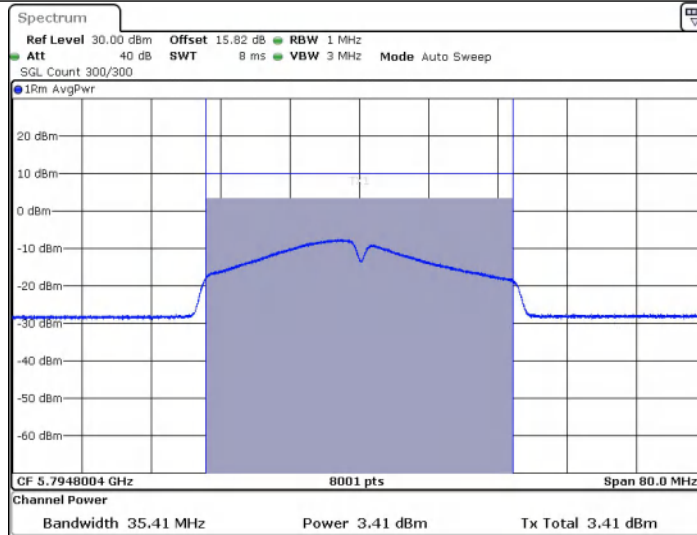
Date: 9 SEP 2025 20:32:01

11N40MIMO_Ant2_5755



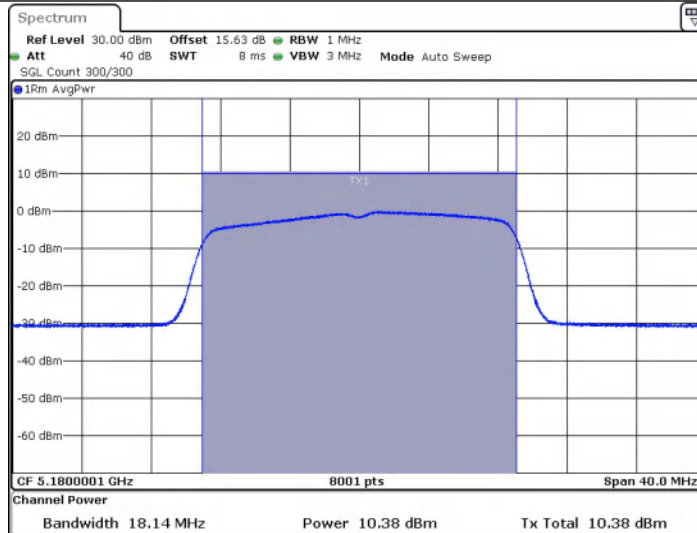
Date: 9 SEP 2025 20:34:33

11N40MIMO_Ant2_5795



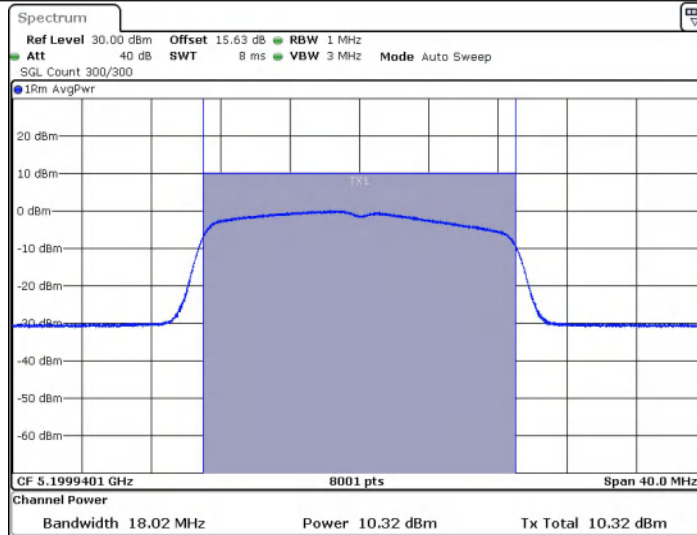
Date: 9 SEP 2025 20:36:21

11AC20MIMO_Ant2_5180



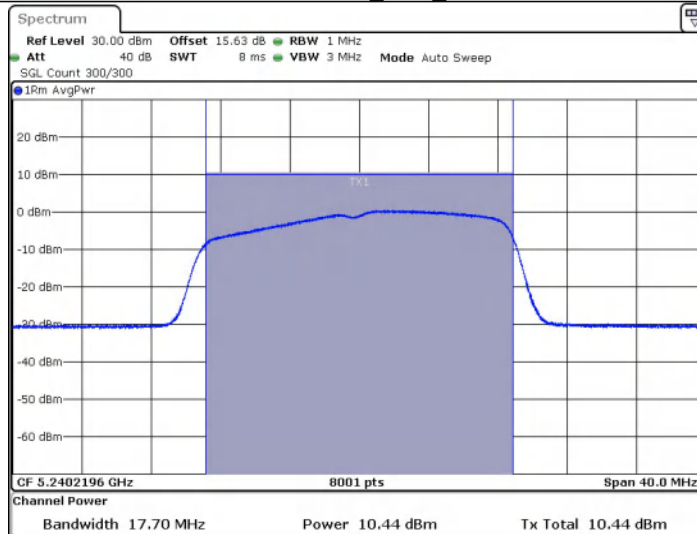
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11AC20MIMO_Ant2_5200



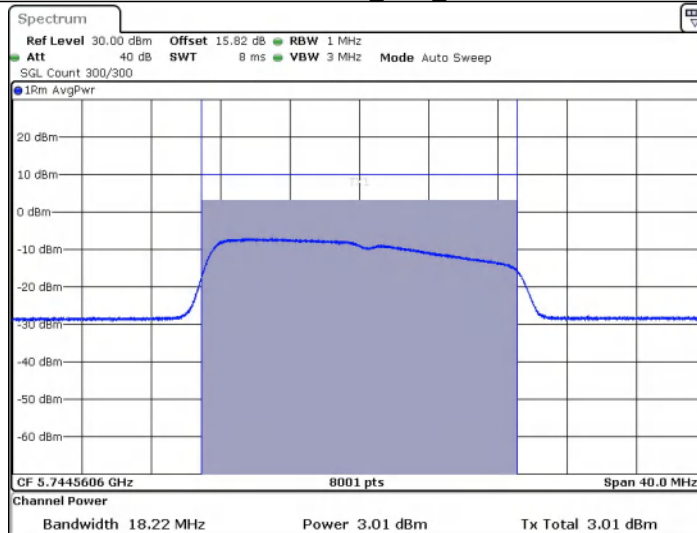
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11AC20MIMO_Ant2_5240



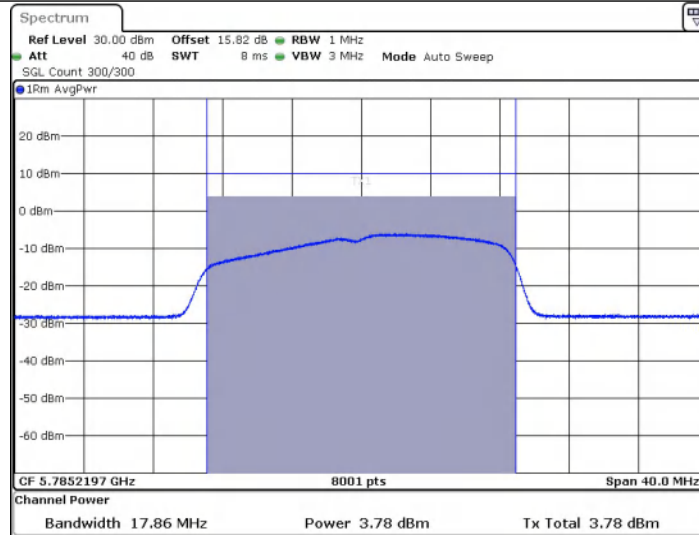
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11AC20MIMO_Ant2_5745



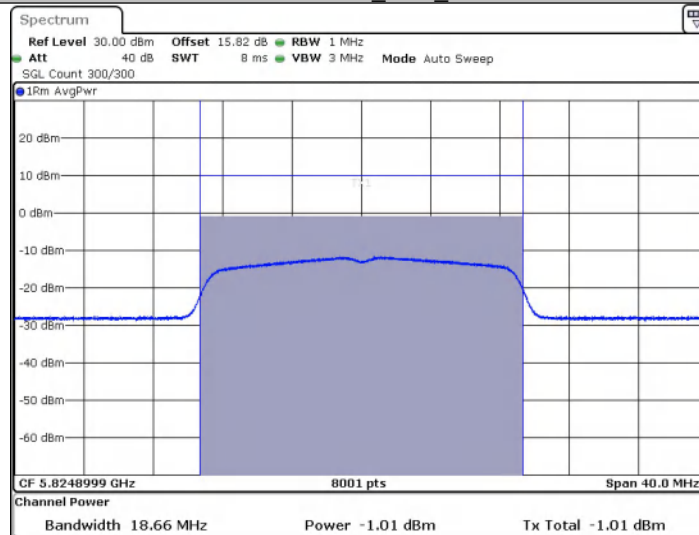
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11AC20MIMO_Ant2_5785



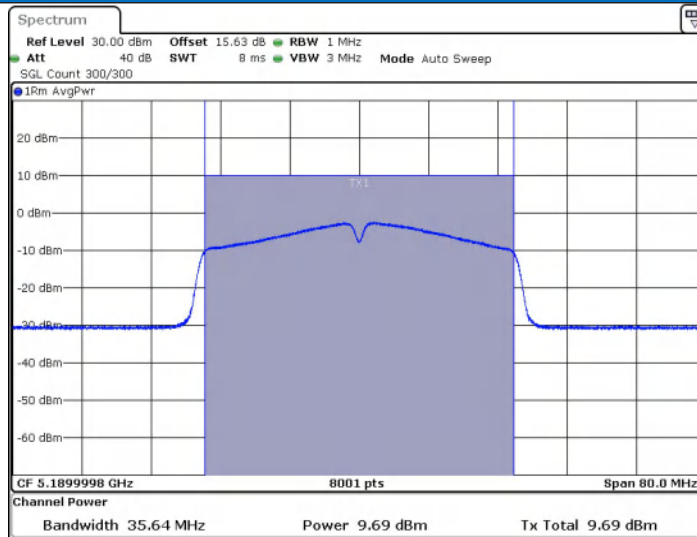
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11AC20MIMO_Ant2_5825



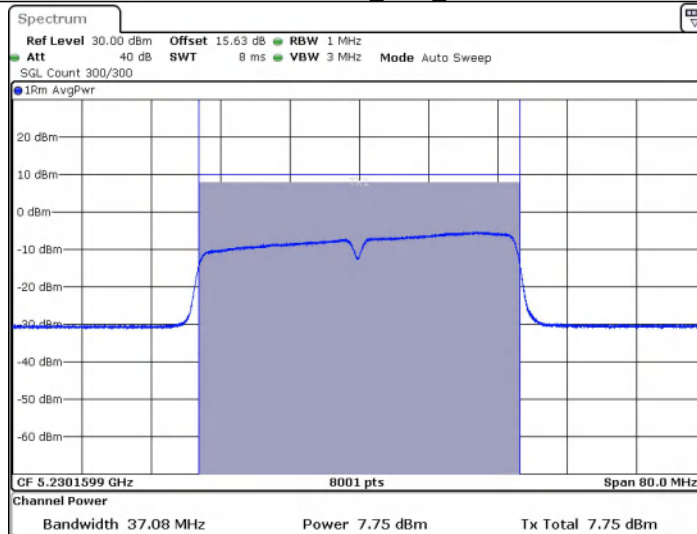
Date: 9 SEP 2025 20:48:38

11AC40MIMO_Ant2_5190



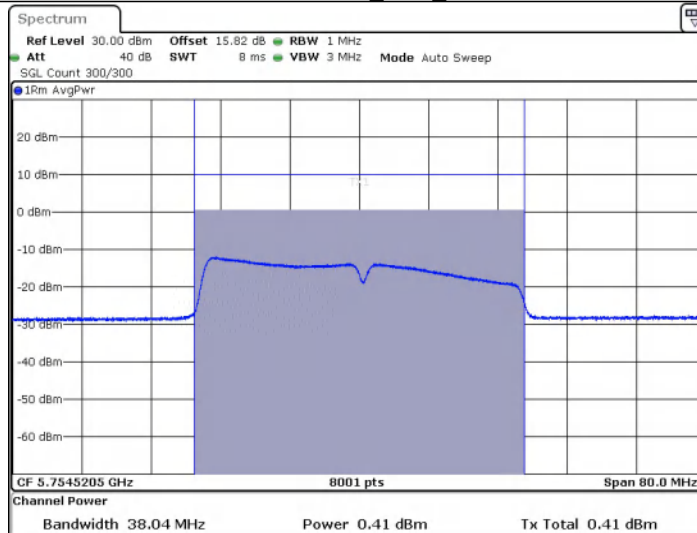
Date: 9 SEP 2025 20:50:25

11AC40MIMO_Ant2_5230



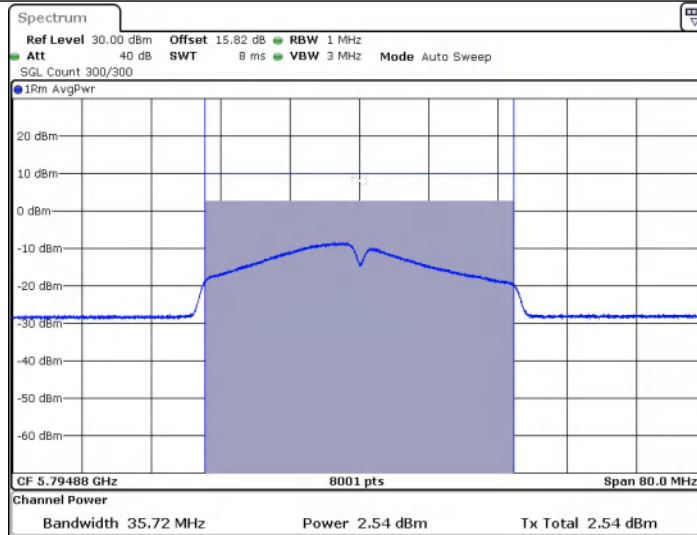
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11AC40MIMO_Ant2_5755

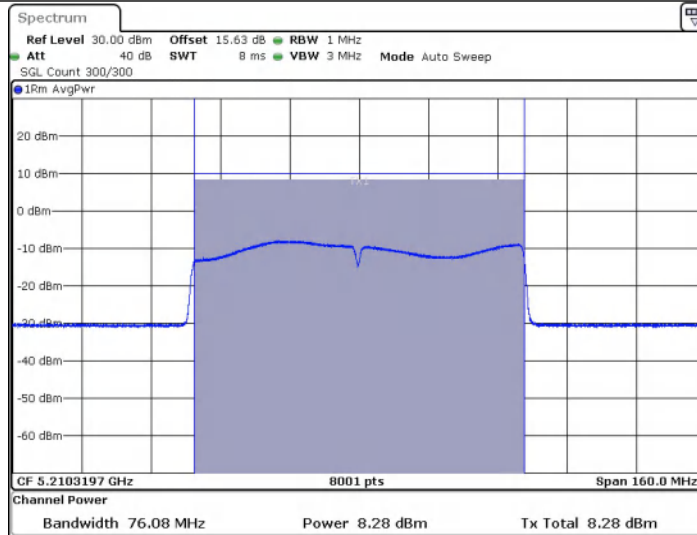


Date: 9 SEP 2025 20:55:58

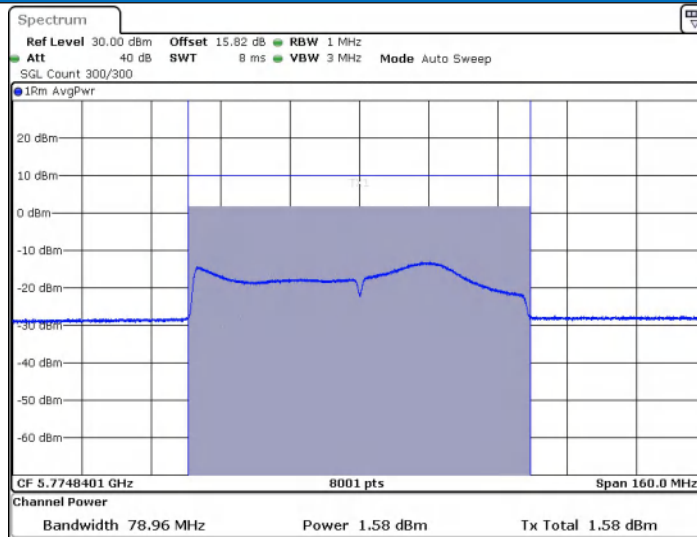
11AC40MIMO_Ant2_5795



11AC80MIMO_Ant2_5210

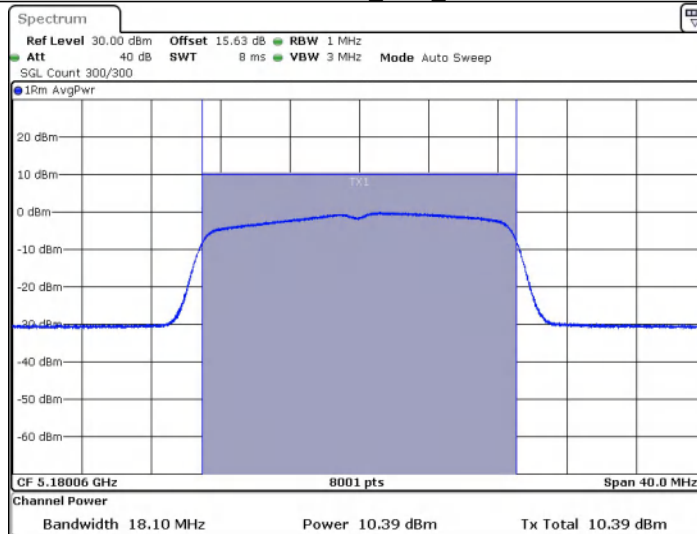


11AC80MIMO_Ant2_5775



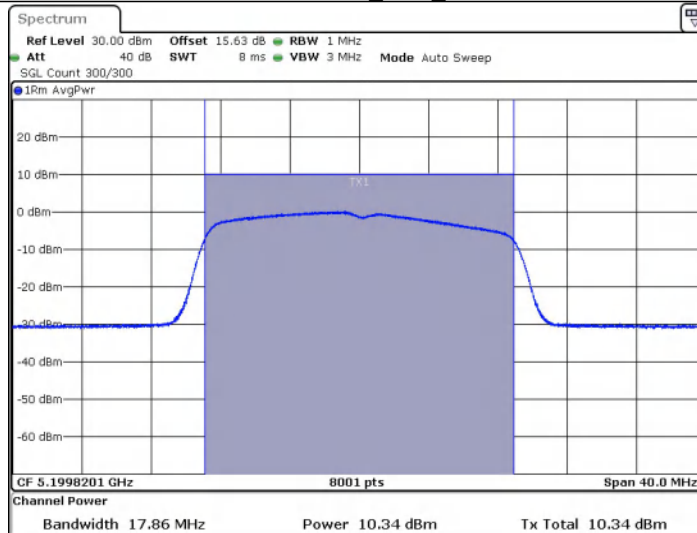
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11AX20MIMO_Ant2_5180



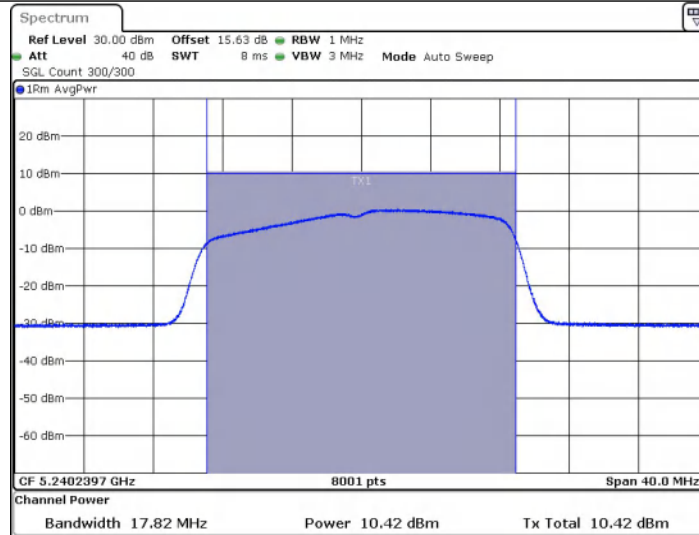
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11AX20MIMO_Ant2_5200

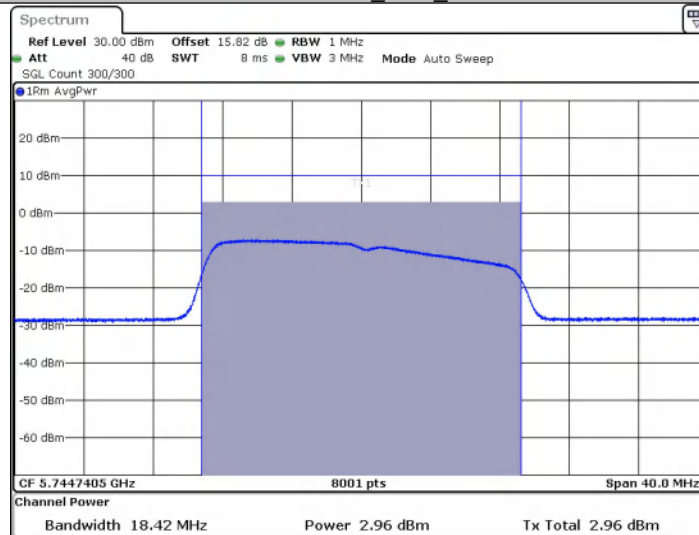


Date: 9 SEP 2025 21:09:03

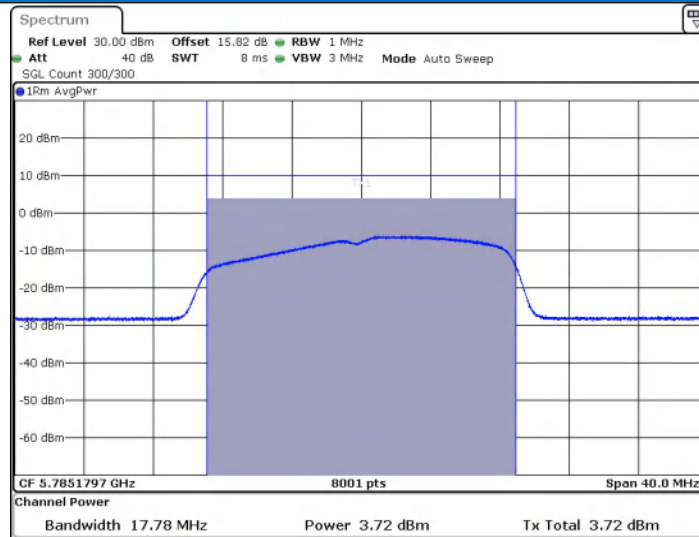
11AX20MIMO_Ant2_5240



11AX20MIMO_Ant2_5745

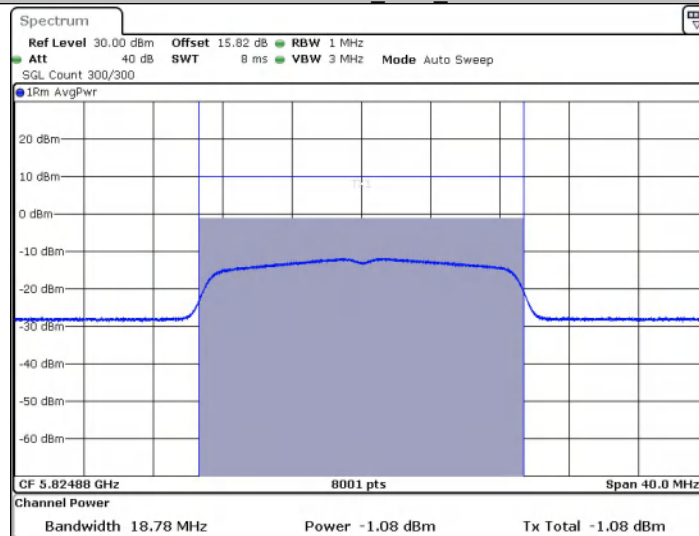


11AX20MIMO_Ant2_5785



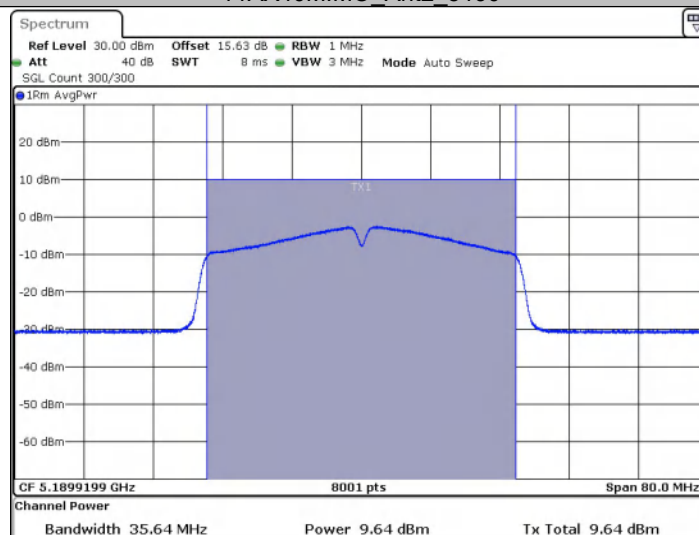
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11AX20MIMO_Ant2_5825



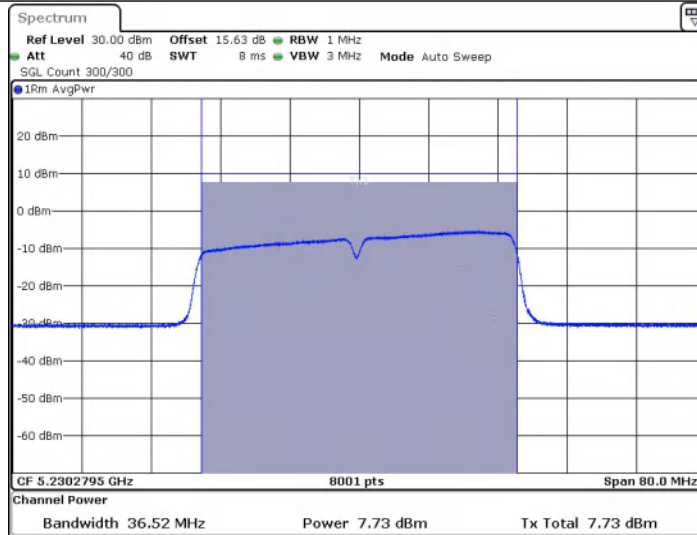
Date: 9 SEP 2025 21:17:16

11AX40MIMO_Ant2_5190



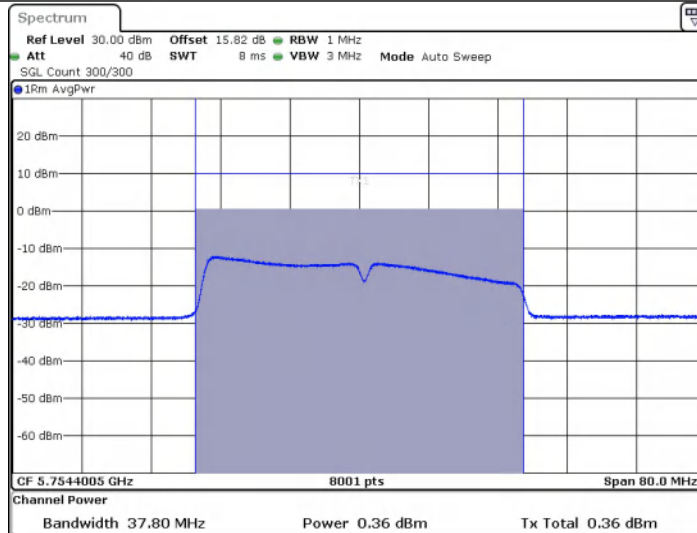
Date: 9 SEP 2025 21:22:45

11AX40MIMO_Ant2_5230



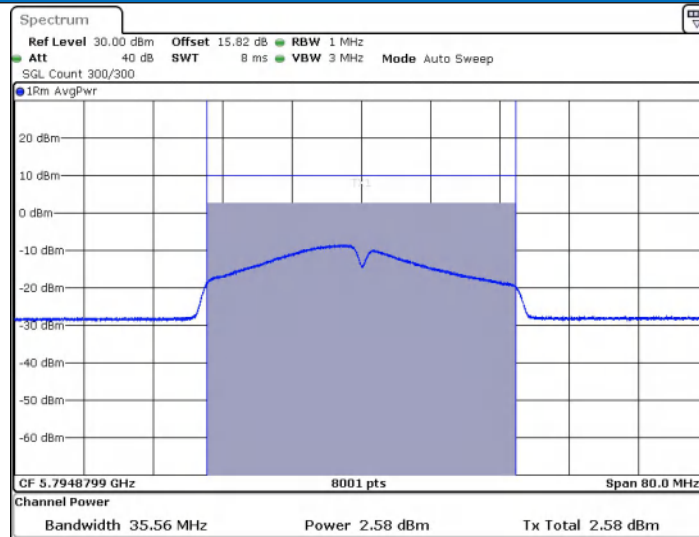
Date: 9 SEP 2025 21:26:42

11AX40MIMO_Ant2_5755



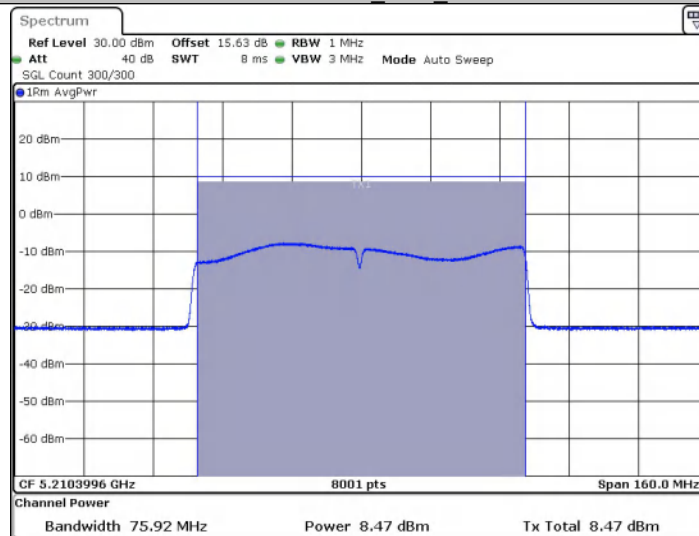
Date: 9 SEP 2025 21:29:09

11AX40MIMO_Ant2_5795



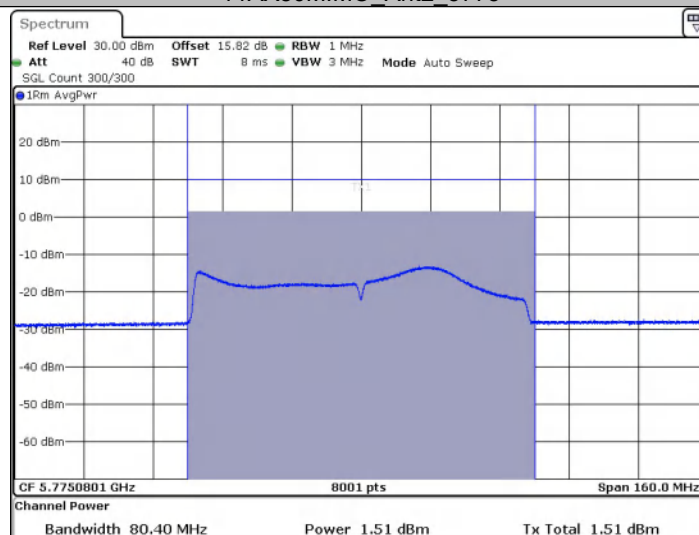
Date: 9 SEP 2025 21:31:16

11AX80MIMO_Ant2_5210



Date: 9 SEP 2025 21:34:15

11AX80MIMO_Ant2_5775



Date: 9 SEP 2025 21:38:44

Remark:

$Av.Power = Meas.Level + 10 \log (1/duty \text{ cycle})$

$E.i.r.p = Av.Power + G$,

G = antenna gain in dBi.

Appendix C): Maximum Power Spectral Density

Test Requirement 47 CFR Part 15, Subpart C 15.407 (a)

Test Method: KDB 789033 D02 II F

Test Procedure:

For 5150-5725MHz:

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on operation frequency individually.
3. Set RBW = 1MHz.
4. Set the VBW $\geq 3 \times$ RBW. Detector = Peak. Trace mode = max hold.

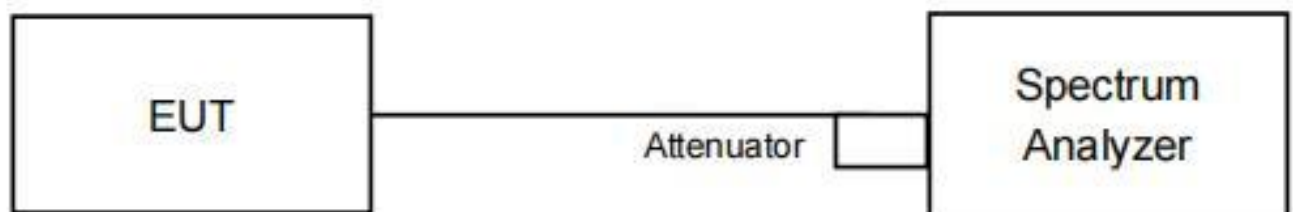
For 5725-5850MHz:

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on operation frequency individually.
3. Set RBW = 500KHz.
4. Set the VBW $\geq 3 \times$ RBW. Detector = Peak. Trace mode = max hold.

Limit:

Frequency band(MHz)	Limit
5150-5250	$\leq 17\text{dBm}$ in 1MHz for master device
	$\leq 11\text{dBm}$ in 1MHz for client device
5250-5350	$\leq 11\text{dBm}$ in 1MHz for client device
5470-5725	$\leq 11\text{dBm}$ in 1MHz for client device
5725-5850	$\leq 30\text{dBm}$ in 500 kHz
Remark:	The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.

Test Setup Diagram



Result Table

Ant 1:

TestMode	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	5180	1.21	≤11.00	PASS
	5200	1.87	≤11.00	PASS
	5240	1.76	≤11.00	PASS
	5745	-8.49	≤30.00	PASS
	5785	-7.72	≤30.00	PASS
	5825	-13.36	≤30.00	PASS
11N20MIMO	5180	1.33	≤11.00	PASS
	5200	1.31	≤11.00	PASS
	5240	2.44	≤11.00	PASS
	5745	-9.08	≤30.00	PASS
	5785	-7.84	≤30.00	PASS
	5825	-12.75	≤30.00	PASS
11N40MIMO	5190	-0.96	≤11.00	PASS
	5230	-2.98	≤11.00	PASS
	5755	-12.94	≤30.00	PASS
	5795	-9.39	≤30.00	PASS
11AC20MIMO	5180	0.77	≤11.00	PASS
	5200	0.43	≤11.00	PASS
	5240	1.41	≤11.00	PASS
	5745	-9.70	≤30.00	PASS
	5785	-8.03	≤30.00	PASS
	5825	-13.70	≤30.00	PASS
11AC40MIMO	5190	-1.89	≤11.00	PASS
	5230	-4.62	≤11.00	PASS
	5755	-14.09	≤30.00	PASS
	5795	-10.73	≤30.00	PASS
11AC80MIMO	5210	-6.82	≤11.00	PASS
	5775	-15.10	≤30.00	PASS
11AX20MIMO	5180	1.54	≤11.00	PASS
	5200	1.34	≤11.00	PASS
	5240	2.29	≤11.00	PASS
	5745	-9.01	≤30.00	PASS
	5785	-8.02	≤30.00	PASS
	5825	-13.19	≤30.00	PASS

11AX40MIMO	5190	-0.08	≤ 11.00	PASS
	5230	-2.82	≤ 11.00	PASS
	5755	-13.40	≤ 30.00	PASS
	5795	-9.93	≤ 30.00	PASS
11AX80MIMO	5210	-3.89	≤ 11.00	PASS
	5775	-15.73	≤ 30.00	PASS

Ant 2:

TestMode	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	5180	-0.26	≤11.00	PASS
	5200	0.10	≤11.00	PASS
	5240	-0.14	≤11.00	PASS
	5745	-9.75	≤30.00	PASS
	5785	-8.92	≤30.00	PASS
	5825	-14.37	≤30.00	PASS
11N20MIMO	5180	0.27	≤11.00	PASS
	5200	0.08	≤11.00	PASS
	5240	1.12	≤11.00	PASS
	5745	-9.88	≤30.00	PASS
	5785	-8.20	≤30.00	PASS
	5825	-13.86	≤30.00	PASS
11N40MIMO	5190	-1.34	≤11.00	PASS
	5230	-4.25	≤11.00	PASS
	5755	-13.94	≤30.00	PASS
	5795	-10.81	≤30.00	PASS
11AC20MIMO	5180	-0.14	≤11.00	PASS
	5200	-0.27	≤11.00	PASS
	5240	0.46	≤11.00	PASS
	5745	-10.41	≤30.00	PASS
	5785	-9.18	≤30.00	PASS
	5825	-14.52	≤30.00	PASS
11AC40MIMO	5190	-2.46	≤11.00	PASS
	5230	-5.53	≤11.00	PASS
	5755	-15.43	≤30.00	PASS
	5795	-11.87	≤30.00	PASS
11AC80MIMO	5210	-7.78	≤11.00	PASS
	5775	-16.47	≤30.00	PASS
11AX20MIMO	5180	-0.39	≤11.00	PASS
	5200	0.40	≤11.00	PASS
	5240	0.58	≤11.00	PASS
	5745	-10.19	≤30.00	PASS
	5785	-9.23	≤30.00	PASS
	5825	-14.84	≤30.00	PASS
11AX40MIMO	5190	-3.15	≤11.00	PASS

11AX80MIMO	5230	-5.30	≤11.00	PASS
	5755	-15.49	≤30.00	PASS
	5795	-11.72	≤30.00	PASS
	5210	-7.72	≤11.00	PASS
	5775	-16.64	≤30.00	PASS

PSD Limit=Conducted output power Limit-(gains-6dBi)

gain:

6.12dBi@5GHz: Wi-Fi: U-NII-1

6.12dBi@5GHz: Wi-Fi: U-NII-3

Ant 1+ Ant 2

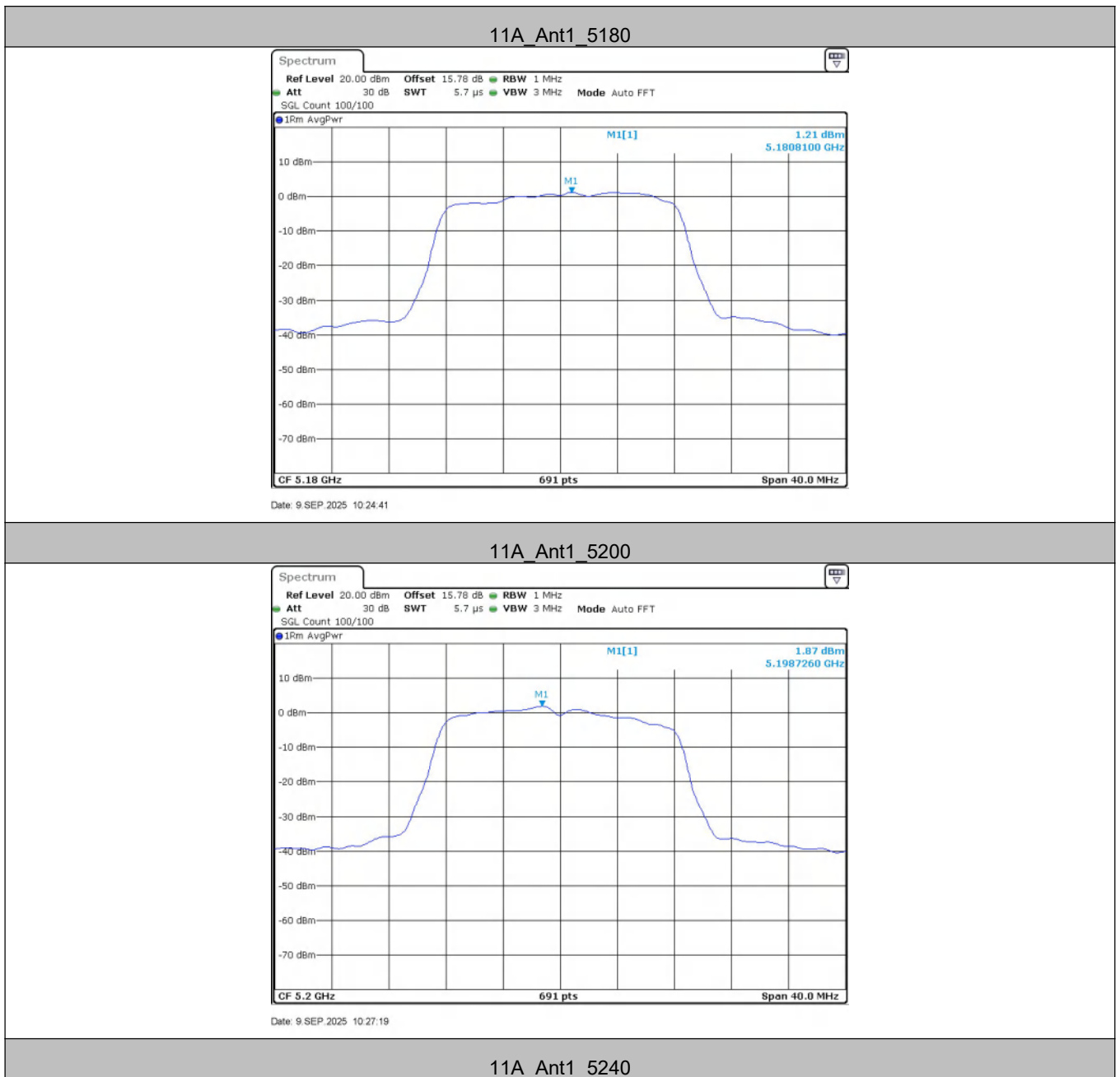
TestMode	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11N20MIMO	5180	3.84	≤11.00	PASS
	5200	3.75	≤11.00	PASS
	5240	4.84	≤11.00	PASS
	5745	-6.45	≤30.00	PASS
	5785	-5.01	≤30.00	PASS
	5825	-10.26	≤30.00	PASS
11N40MIMO	5190	1.86	≤11.00	PASS
	5230	-0.56	≤11.00	PASS
	5755	-10.40	≤30.00	PASS
	5795	-7.03	≤30.00	PASS
11AC20MIMO	5180	3.35	≤11.00	PASS
	5200	3.10	≤11.00	PASS
	5240	3.97	≤11.00	PASS
	5745	-7.03	≤30.00	PASS
	5785	-5.56	≤30.00	PASS
	5825	-11.08	≤30.00	PASS
11AC40MIMO	5190	0.84	≤11.00	PASS
	5230	-2.04	≤11.00	PASS
	5755	-11.70	≤30.00	PASS
	5795	-8.25	≤30.00	PASS
11AC80MIMO	5210	-4.26	≤11.00	PASS
	5775	-12.72	≤30.00	PASS
11AX20MIMO	5180	3.69	≤11.00	PASS
	5200	3.91	≤11.00	PASS
	5240	4.53	≤11.00	PASS

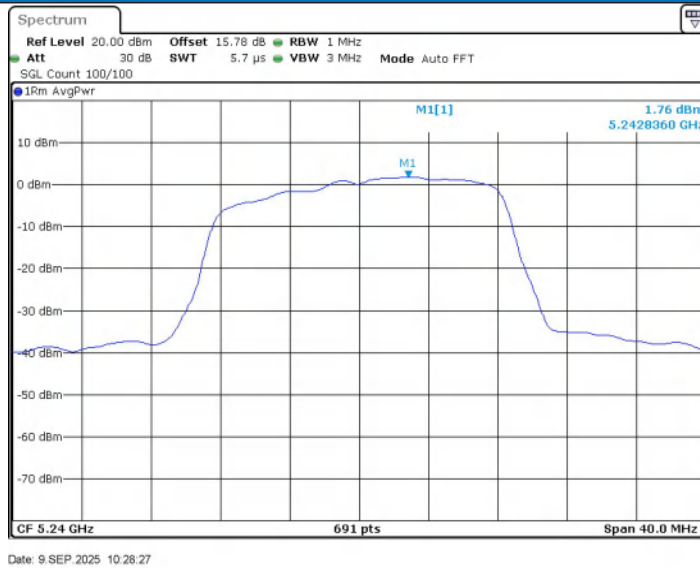
	5745	-6.55	≤ 30.00	PASS
	5785	-5.57	≤ 30.00	PASS
	5825	-10.93	≤ 30.00	PASS
11AX40MIMO	5190	1.66	≤ 11.00	PASS
	5230	-0.88	≤ 11.00	PASS
	5755	-11.31	≤ 30.00	PASS
	5795	-7.72	≤ 30.00	PASS
11AX80MIMO	5210	-2.39	≤ 11.00	PASS
	5775	-13.15	≤ 30.00	PASS

Remark:

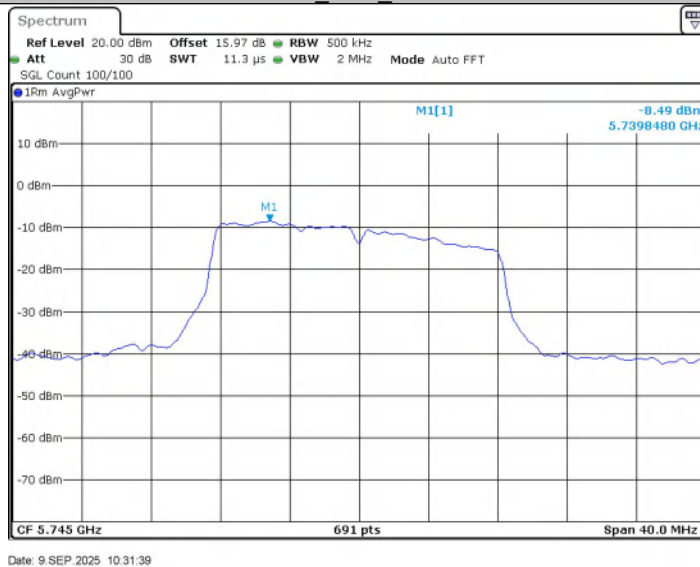
PSD = Meas PSD + Duty Cycle Factor

Ant 1:

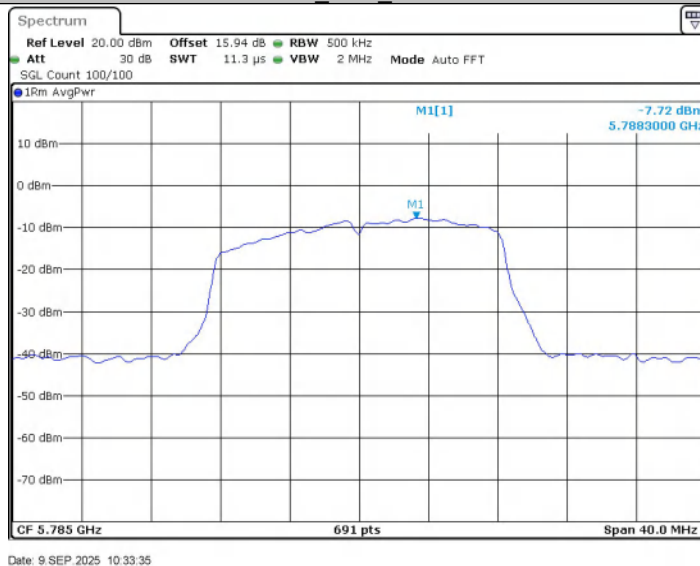




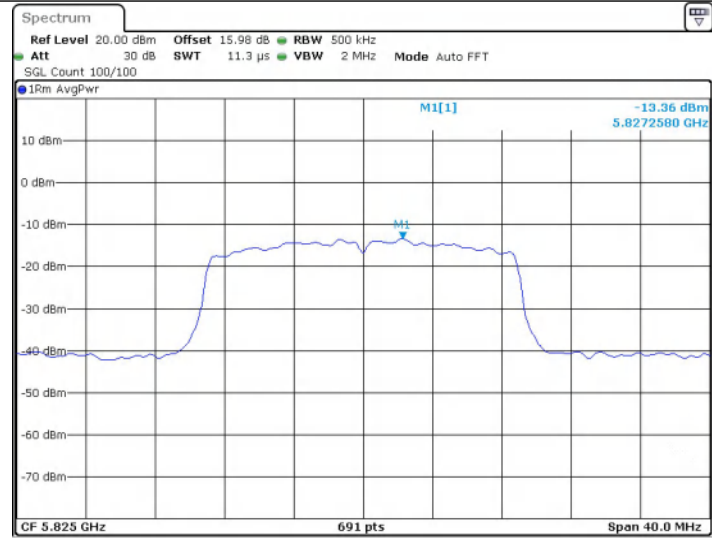
11A_Ant1_5745



11A_Ant1_5785

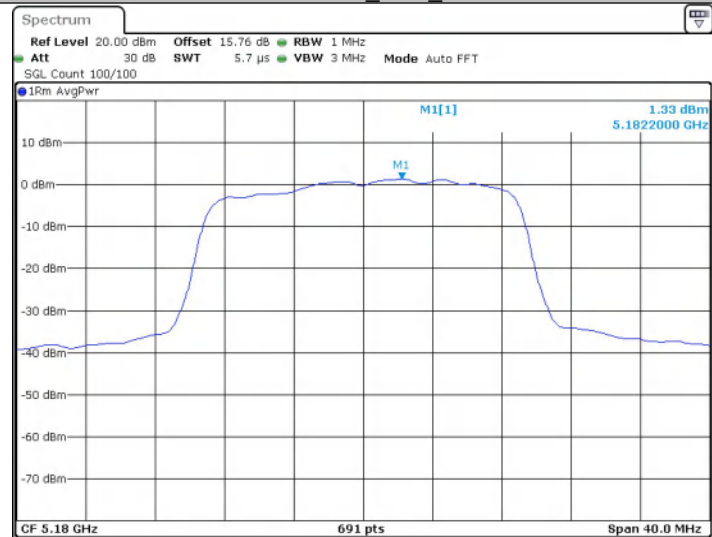


11A_Ant1_5825



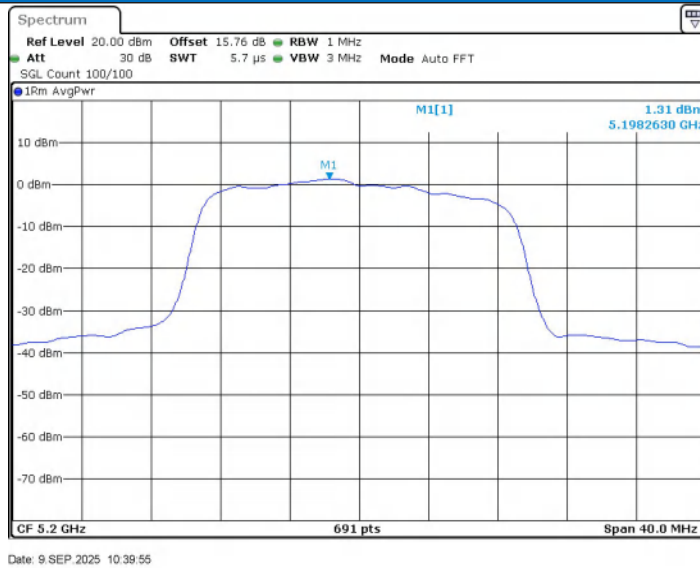
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11N20MIMO_Ant1_5180

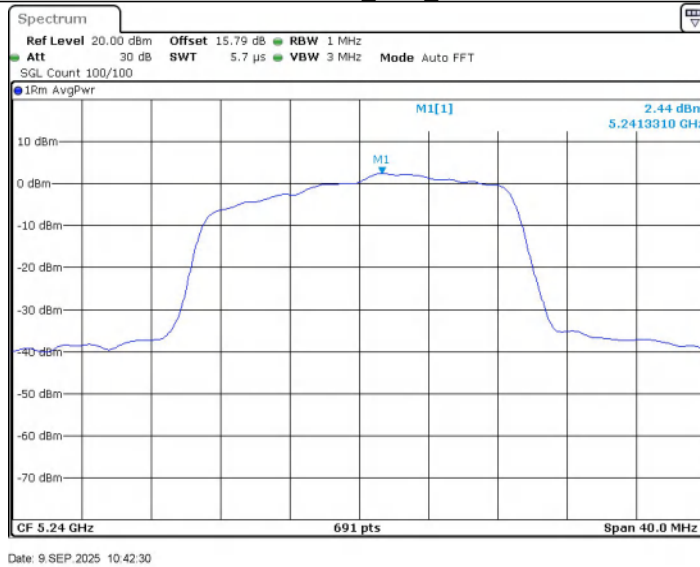


Date: 9 SEP 2025 10:36:43

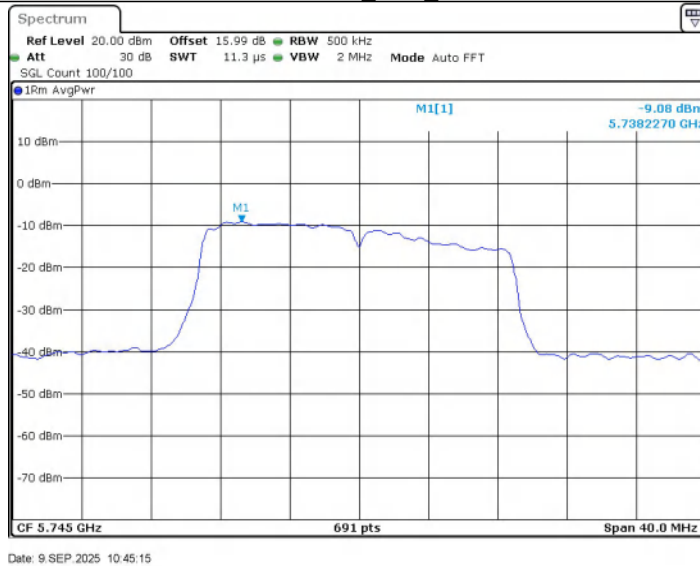
11N20MIMO_Ant1_5200



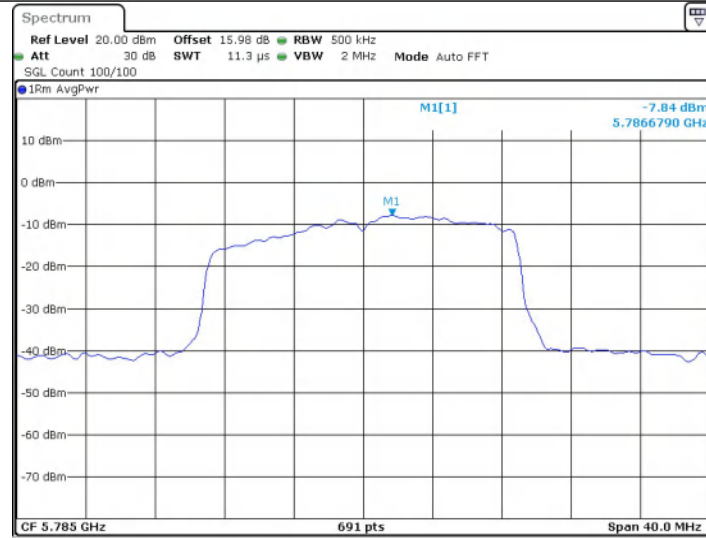
11N20MIMO_Ant1_5240



11N20MIMO_Ant1_5745

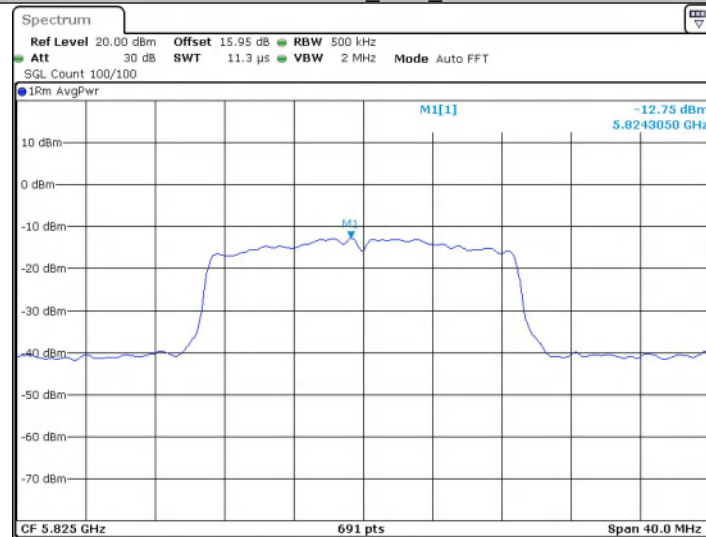


11N20MIMO_Ant1_5785



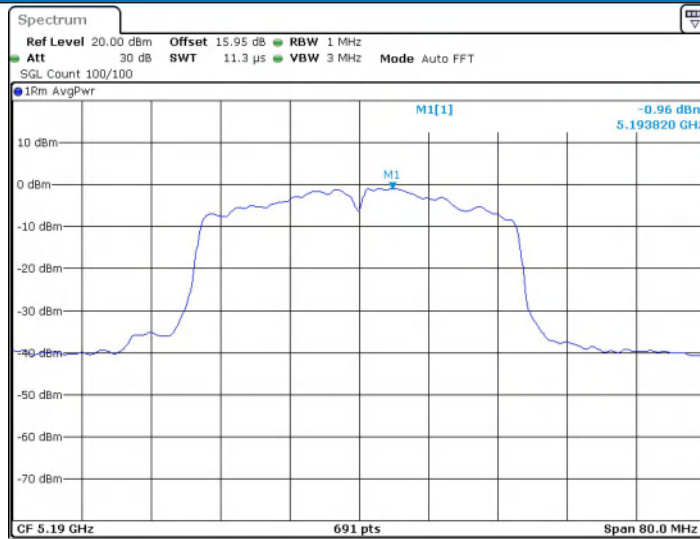
Date: 9 SEP. 2025 10:46:46

11N20MIMO_Ant1_5825



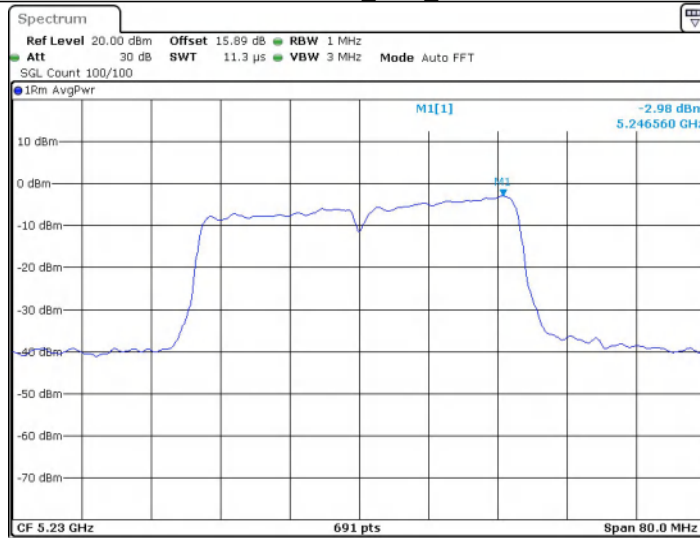
Date: 10 SEP. 2025 15:06:23

11N40MIMO_Ant1_5190



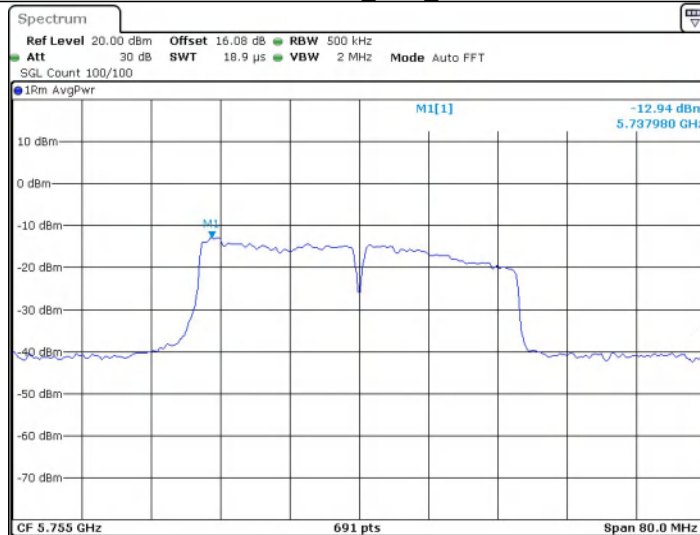
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11N40MIMO_Ant1_5230



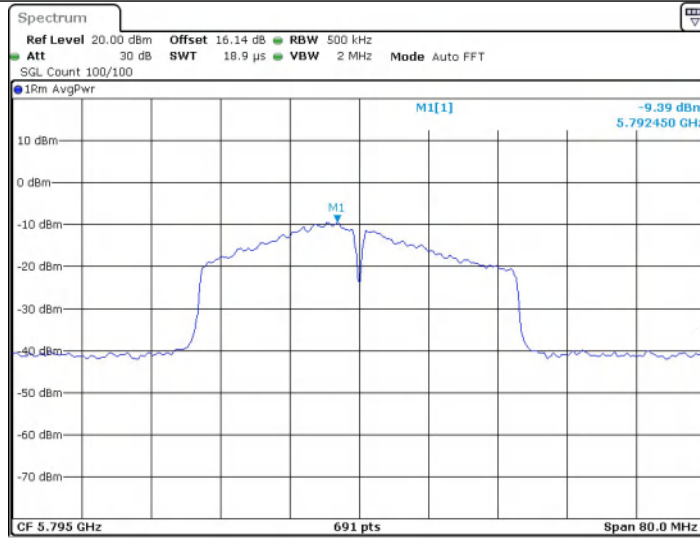
Date: 9 SEP 2025 10:51:41

11N40MIMO_Ant1_5755

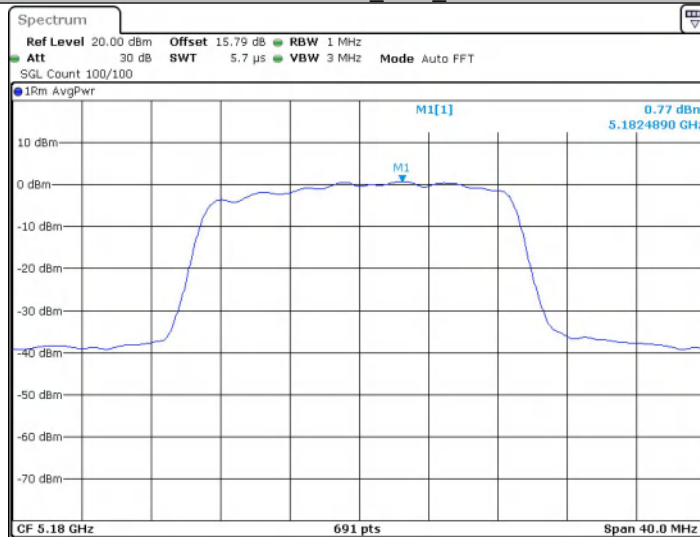


Date: 10 SEP 2025 15:33:53

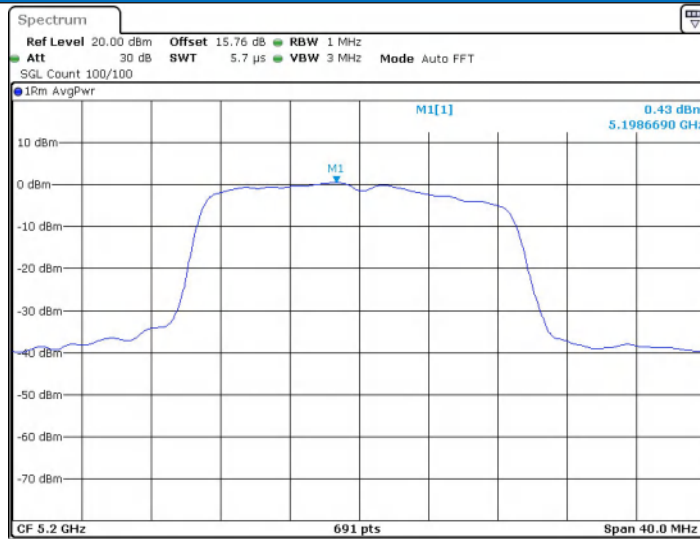
11N40MIMO_Ant1_5795



11AC20MIMO_Ant1_5180

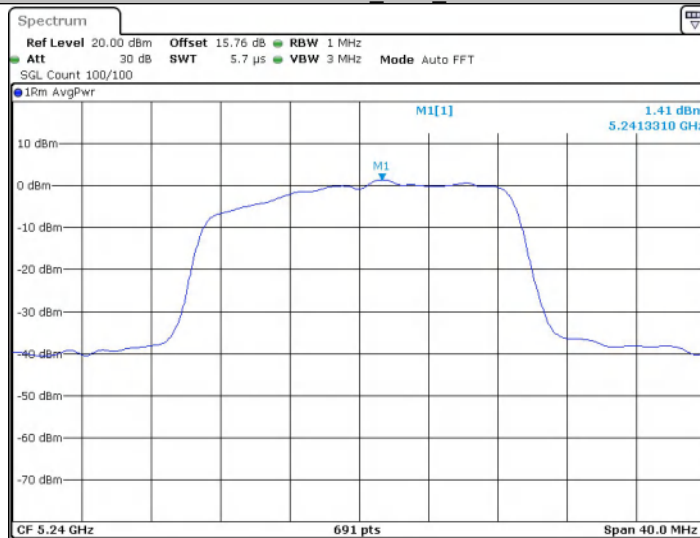


11AC20MIMO_Ant1_5200



Date: 9 SEP 2025 11:16:38

11AC20MIMO_Ant1_5240



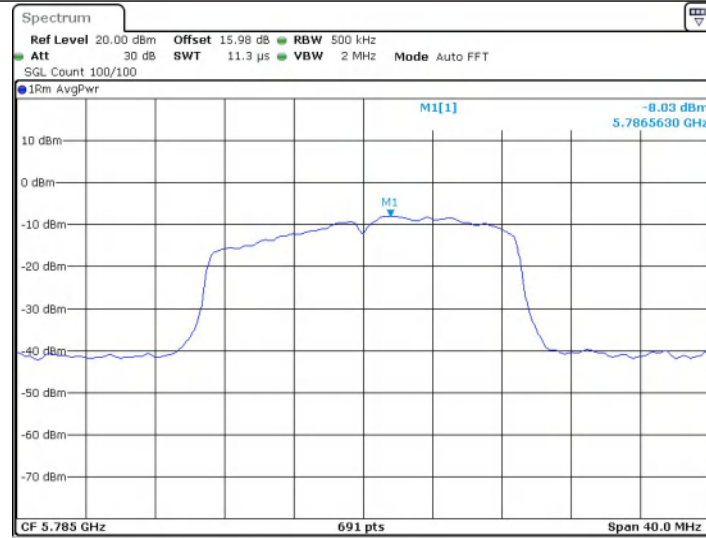
Date: 9 SEP 2025 11:17:52

11AC20MIMO_Ant1_5745



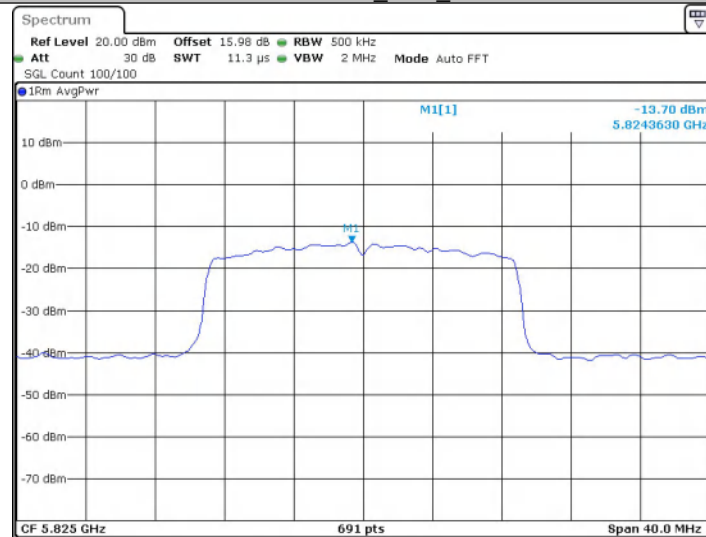
Date: 9 SEP 2025 11:20:30

11AC20MIMO_Ant1_5785



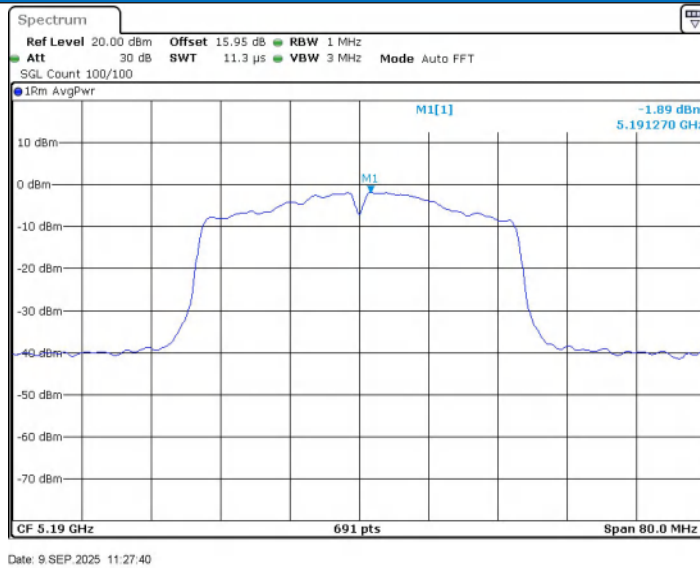
Date: 9 SEP. 2025 11:22:28

11AC20MIMO_Ant1_5825

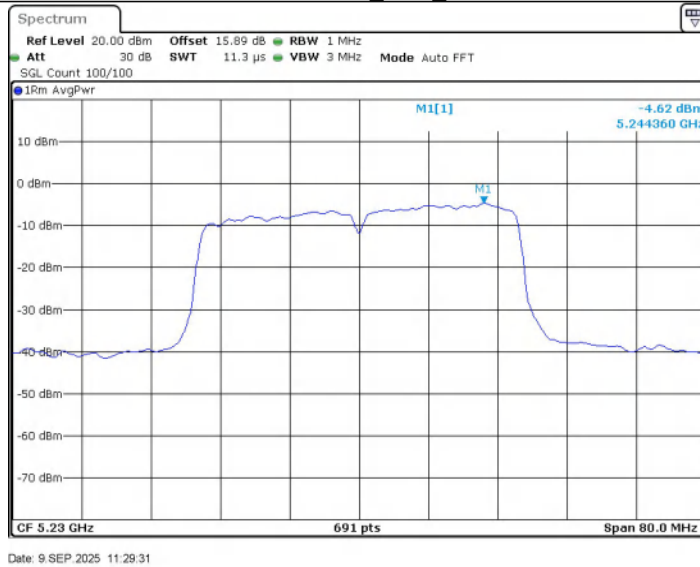


Date: 10 SEP. 2025 15:37:41

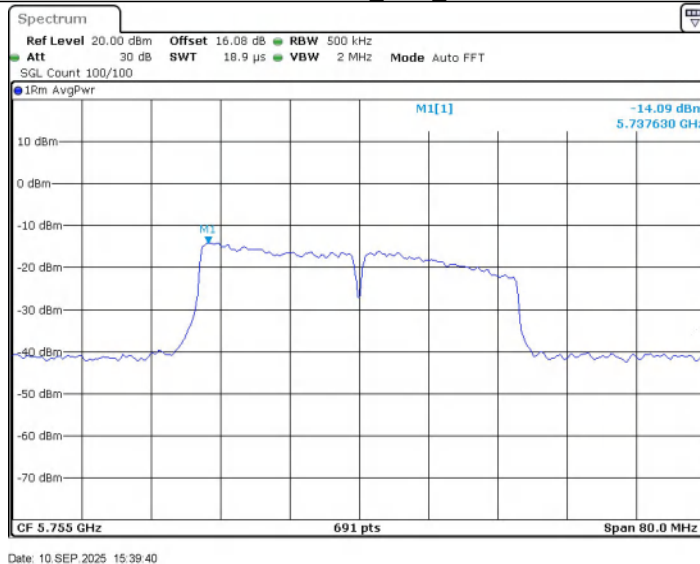
11AC40MIMO_Ant1_5190



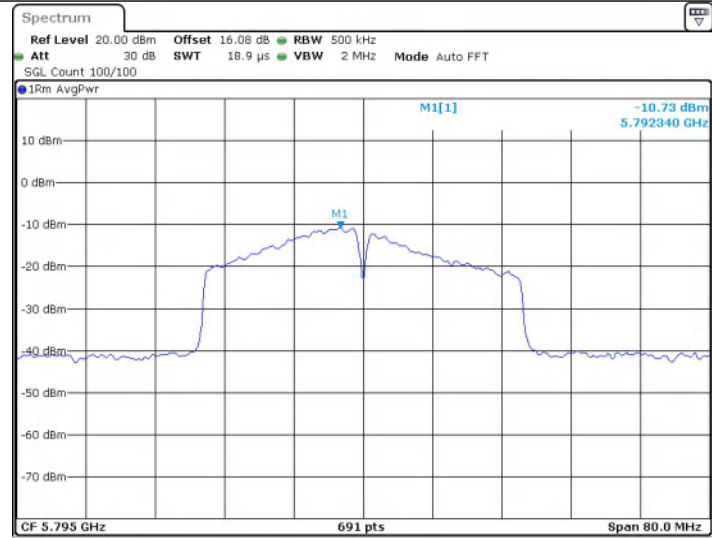
11AC40MIMO_Ant1_5230



11AC40MIMO_Ant1_5755

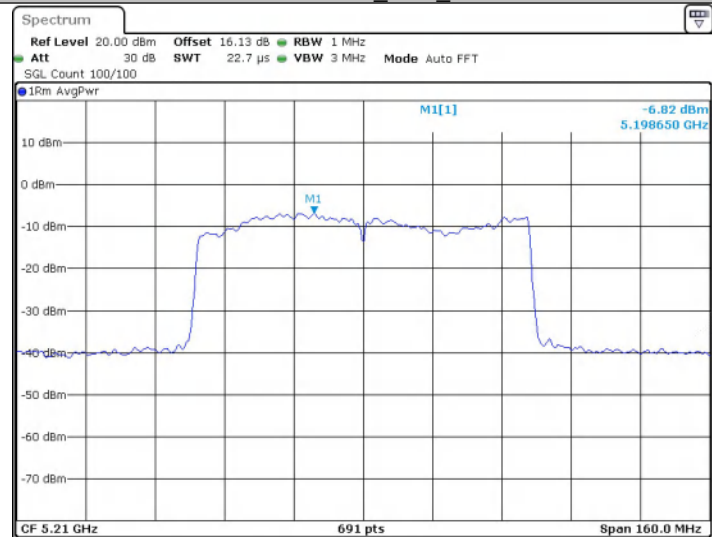


11AC40MIMO_Ant1_5795



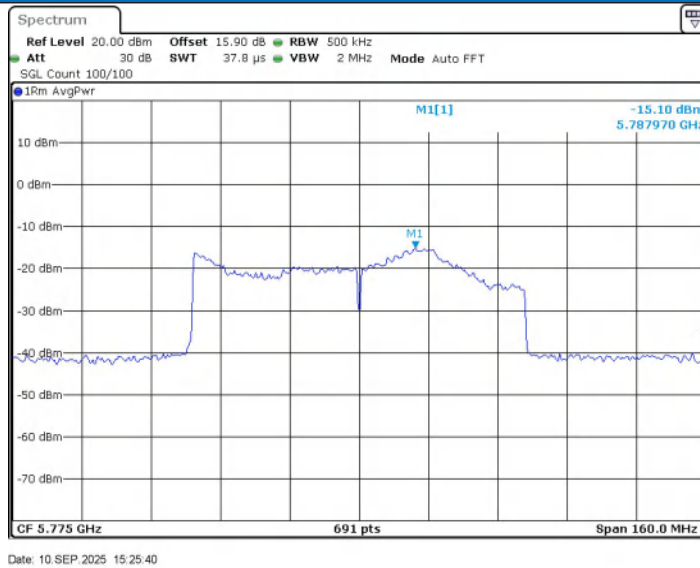
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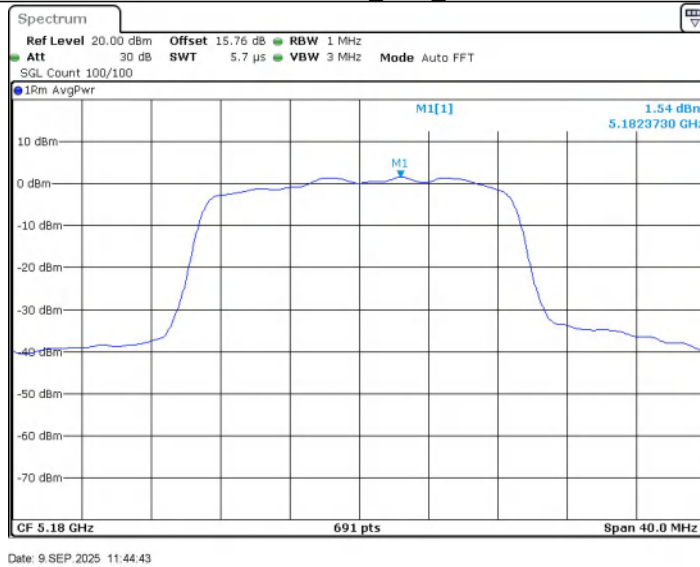


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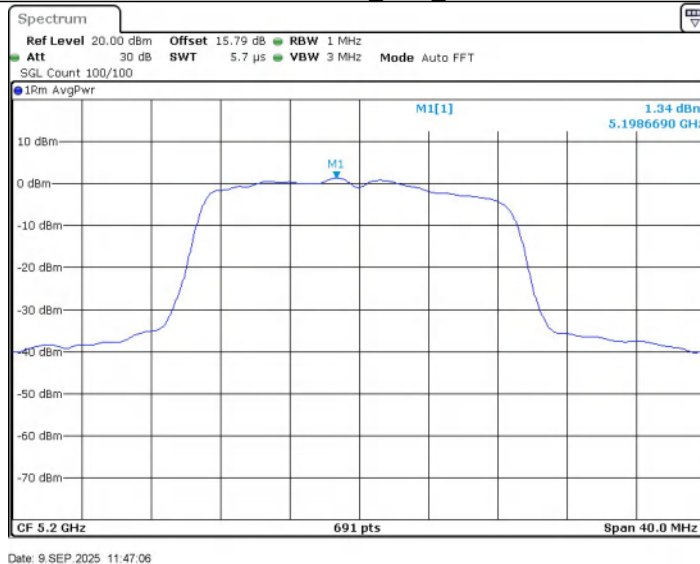
11AC80MIMO_Ant1_5775



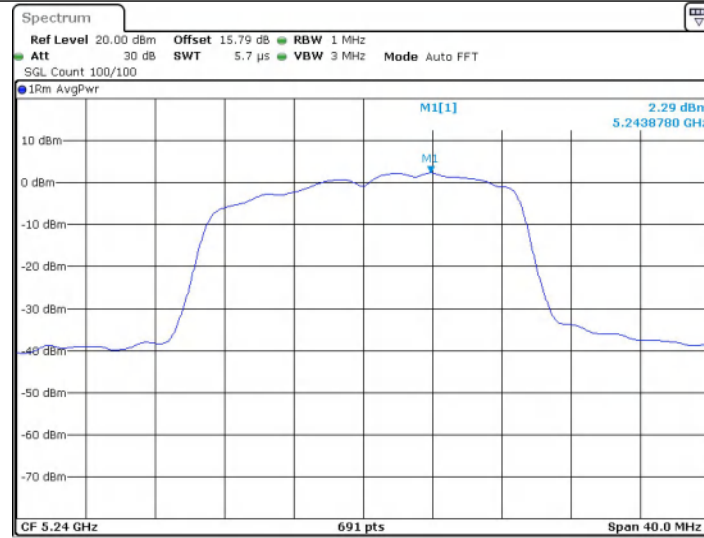
11AX20MIMO_Ant1_5180



11AX20MIMO_Ant1_5200

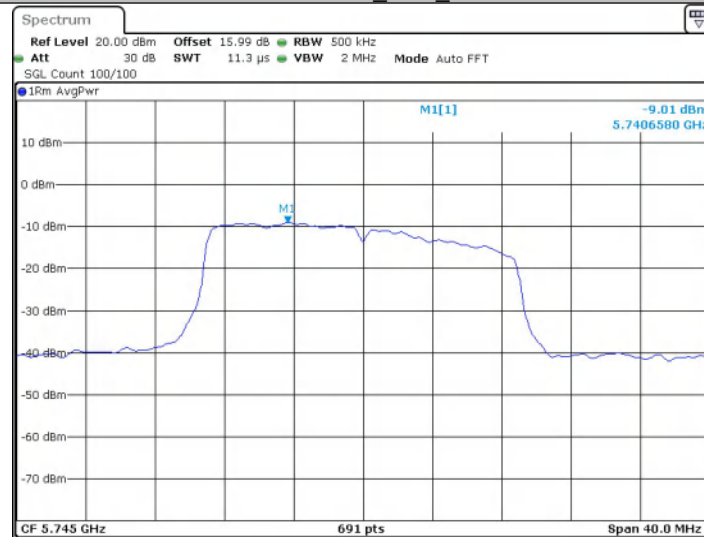


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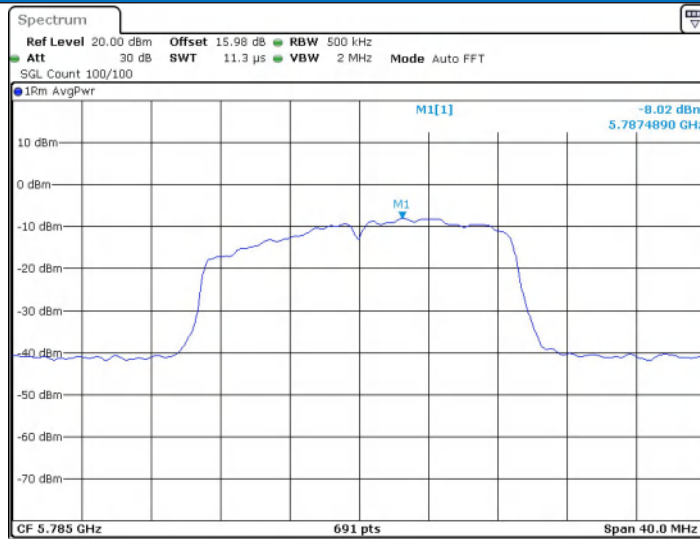
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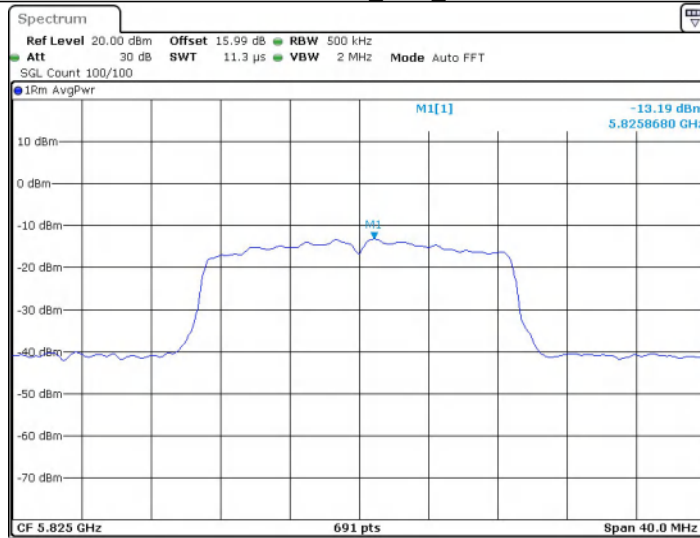
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11AX20MIMO_Ant1_5785



Date: 10 SEP.2025 15:48:24

11AX20MIMO_Ant1_5825



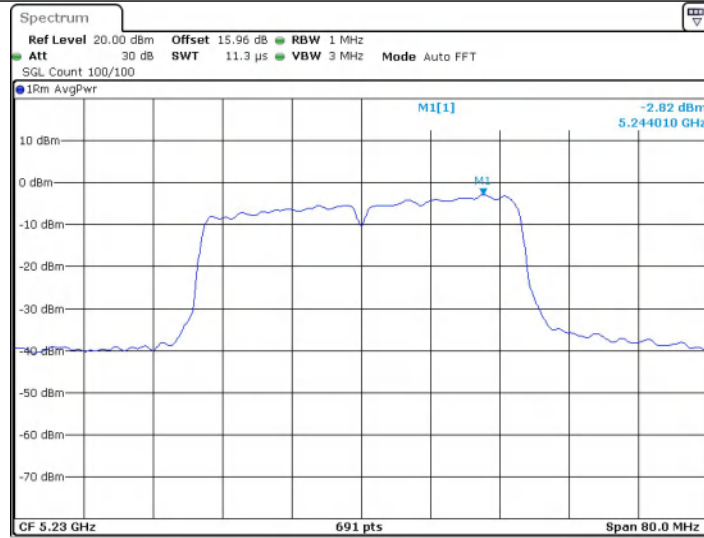
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11AX40MIMO_Ant1_5190



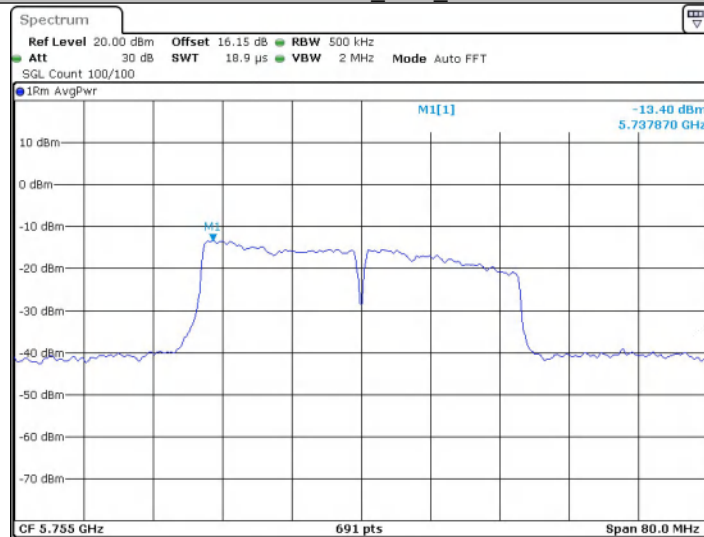
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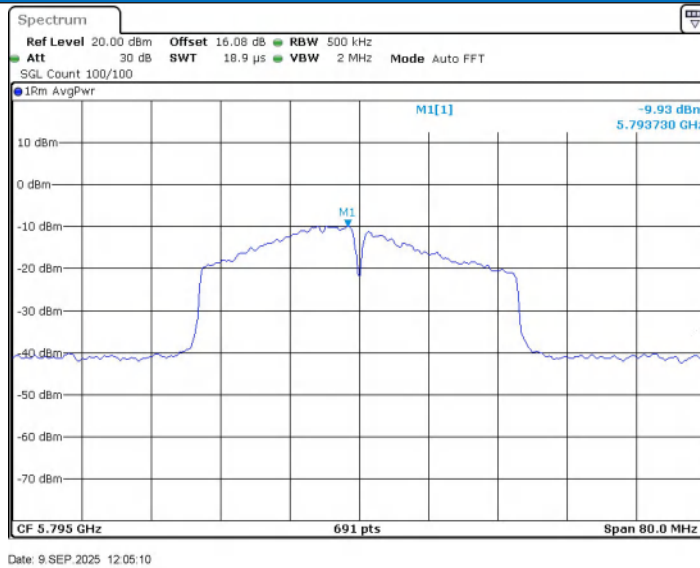
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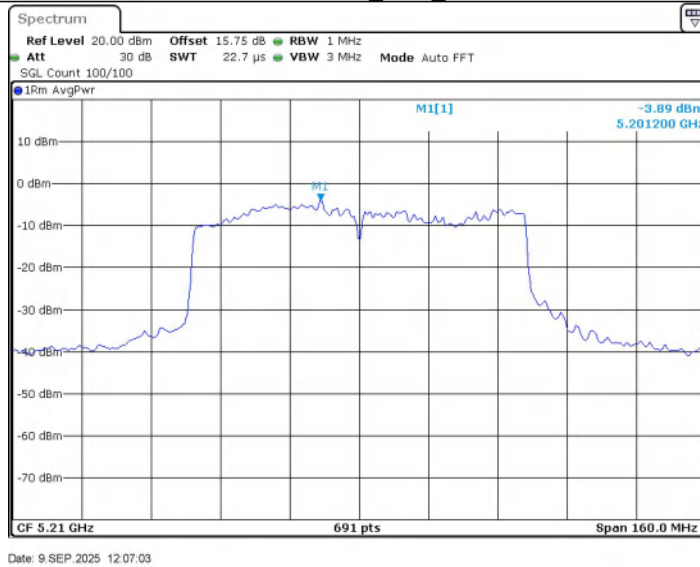


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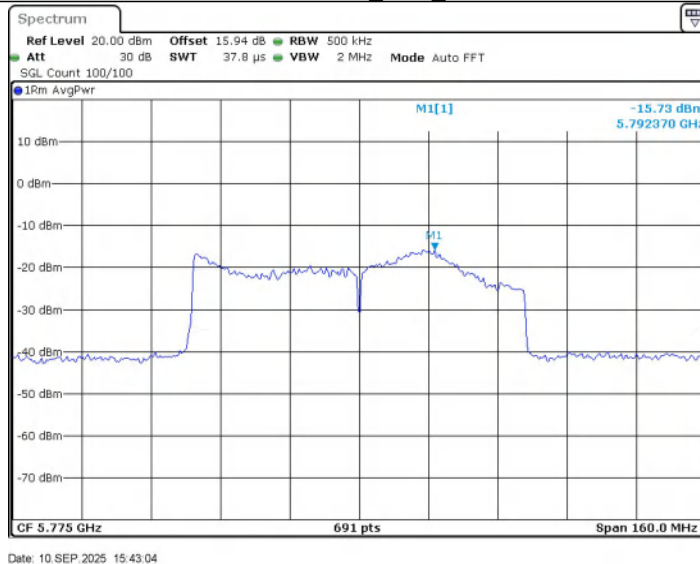
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11AX80MIMO_Ant1_5210

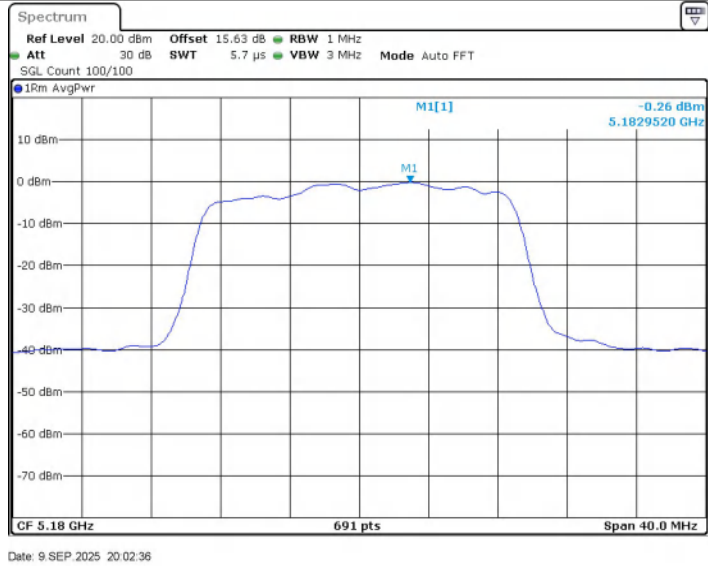


11AX80MIMO_Ant1_5775

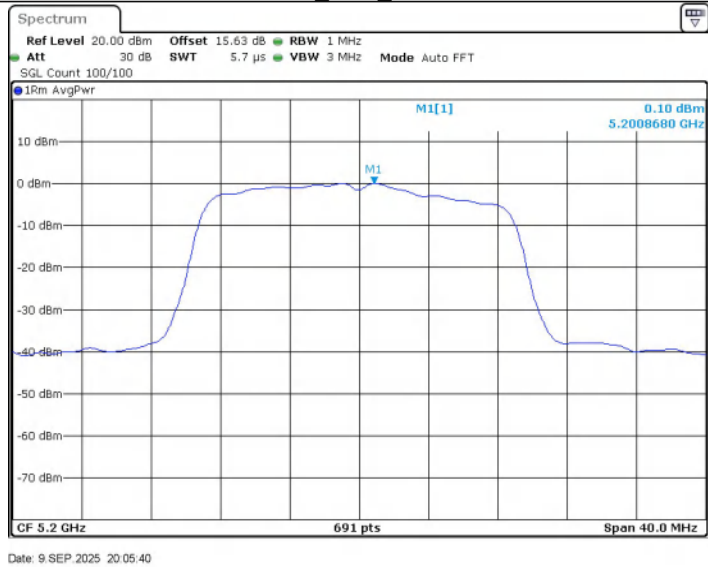


Ant 2:

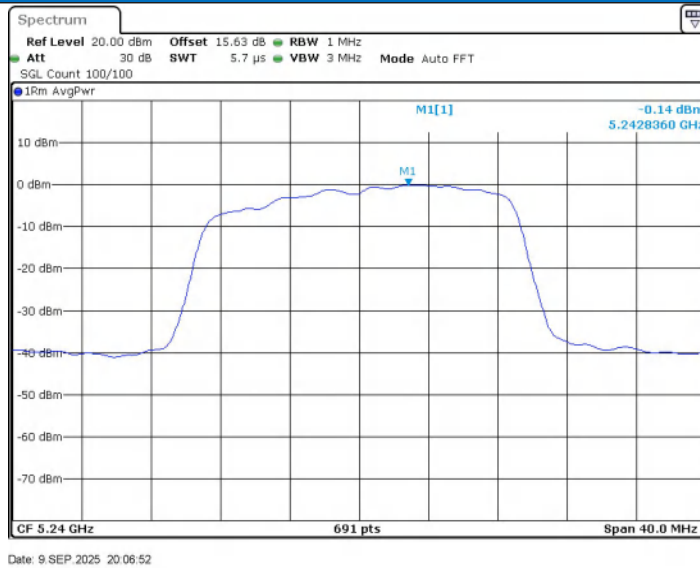
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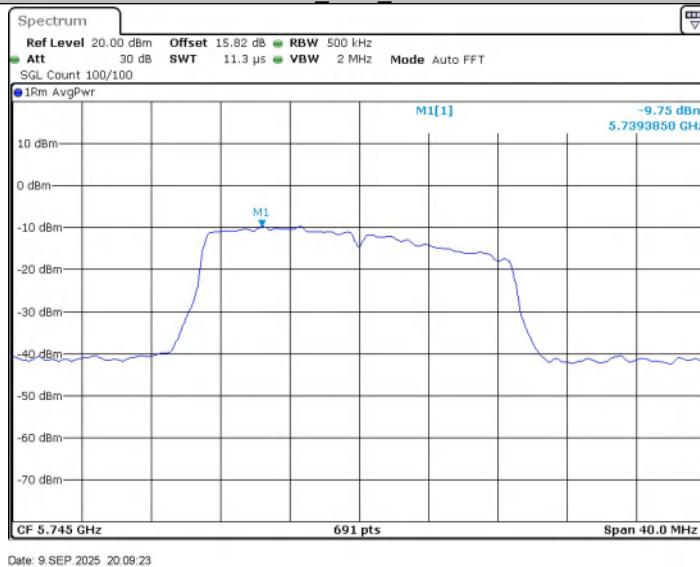
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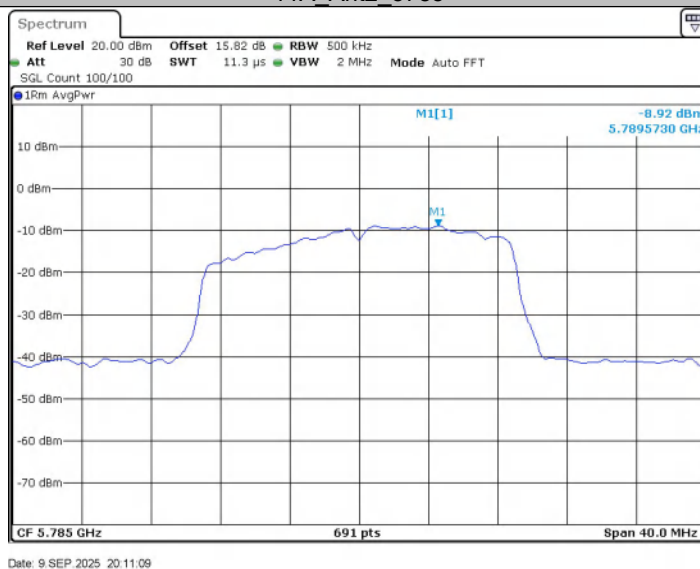
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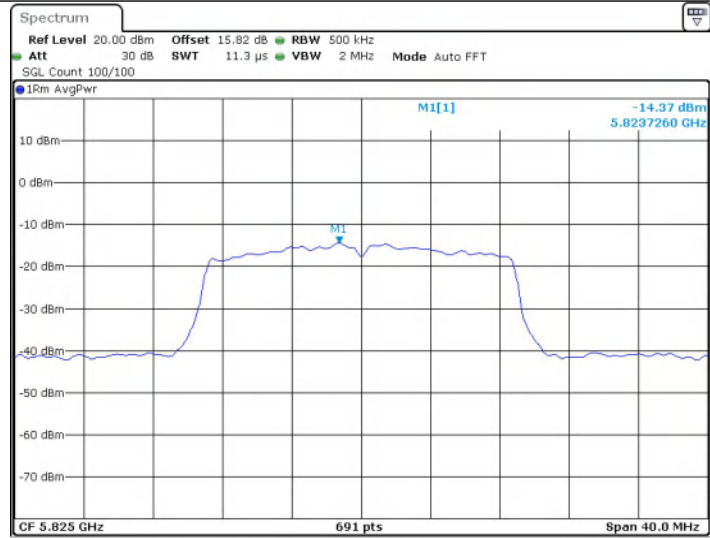
11A_Ant2_5745



11A_Ant2_5785

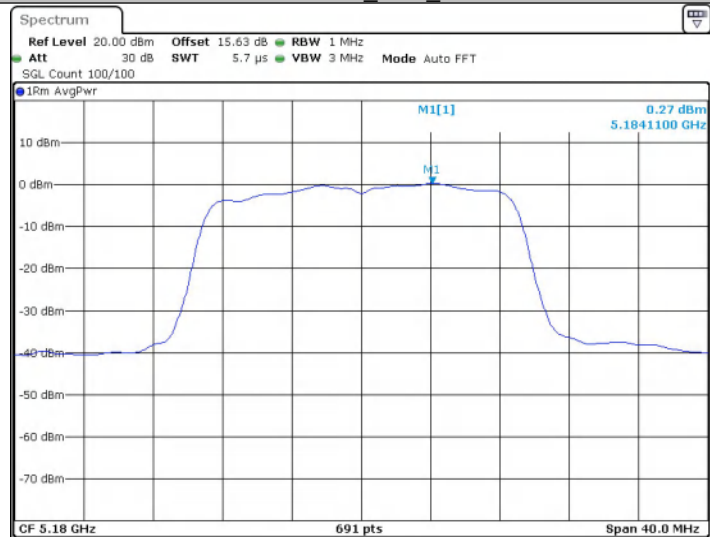


11A_Ant2_5825



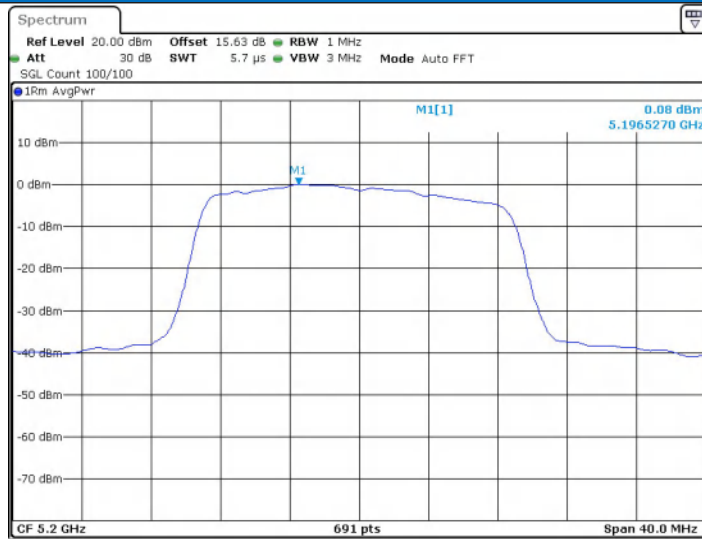
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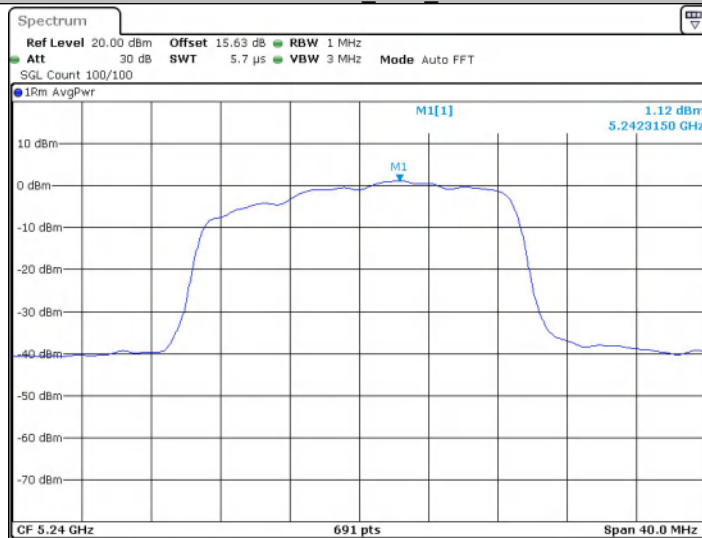
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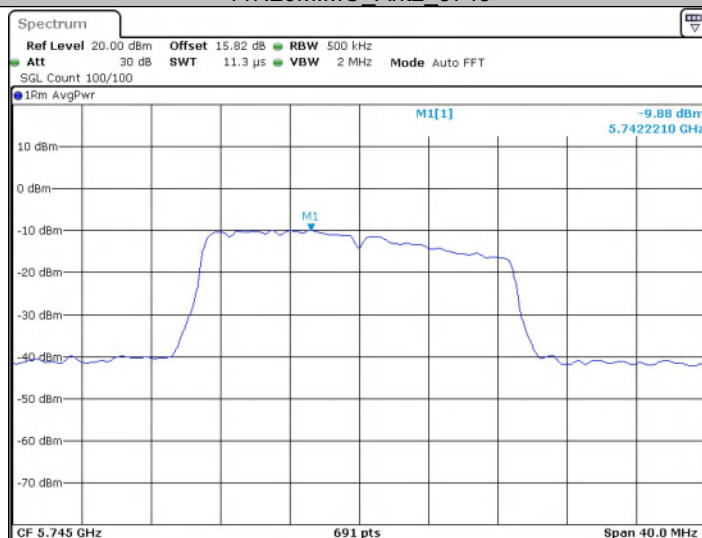
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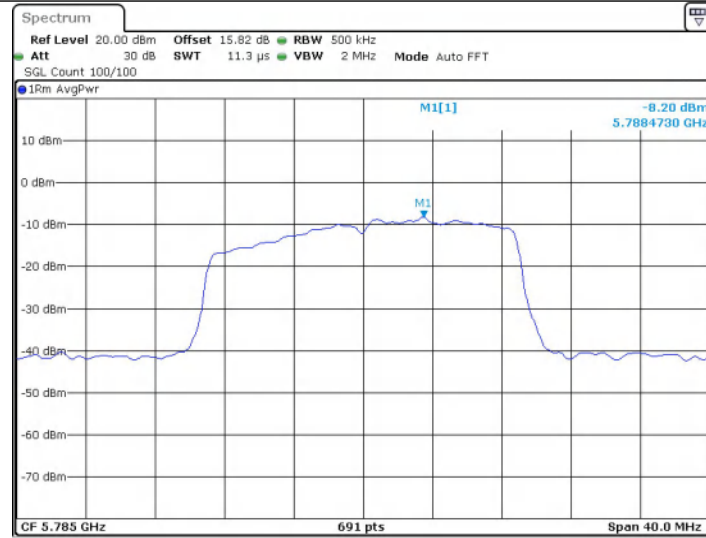
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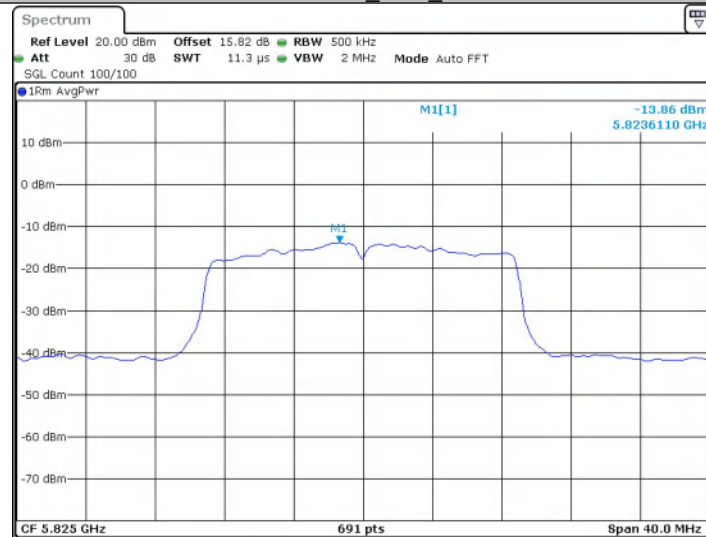
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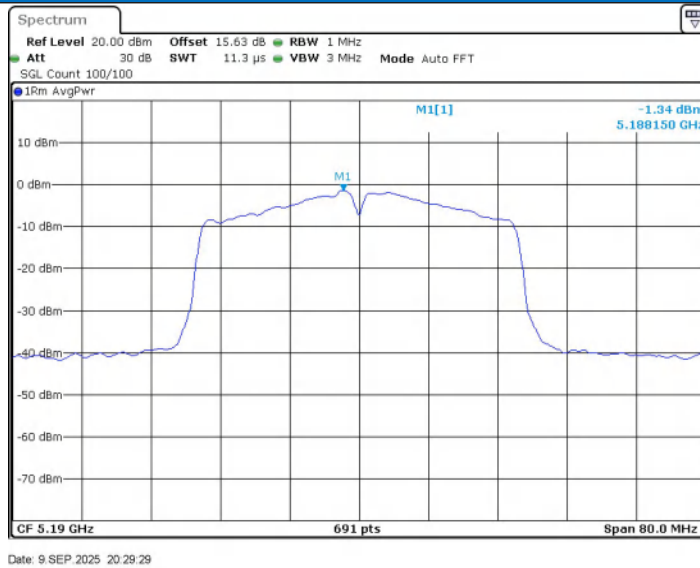
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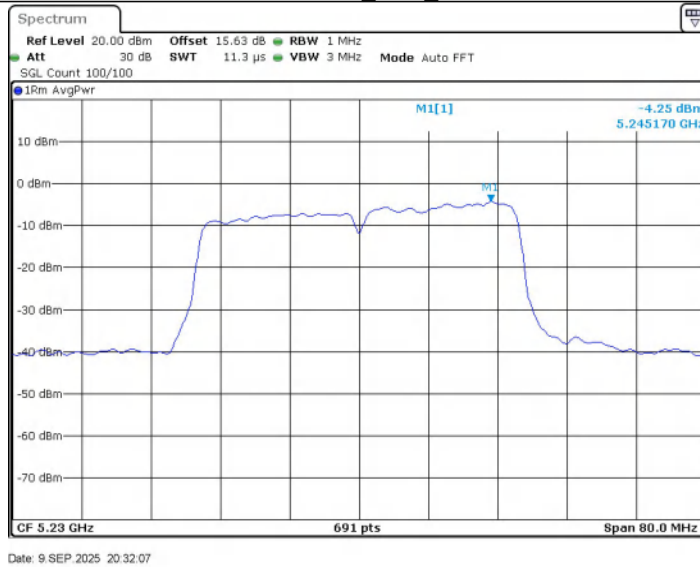


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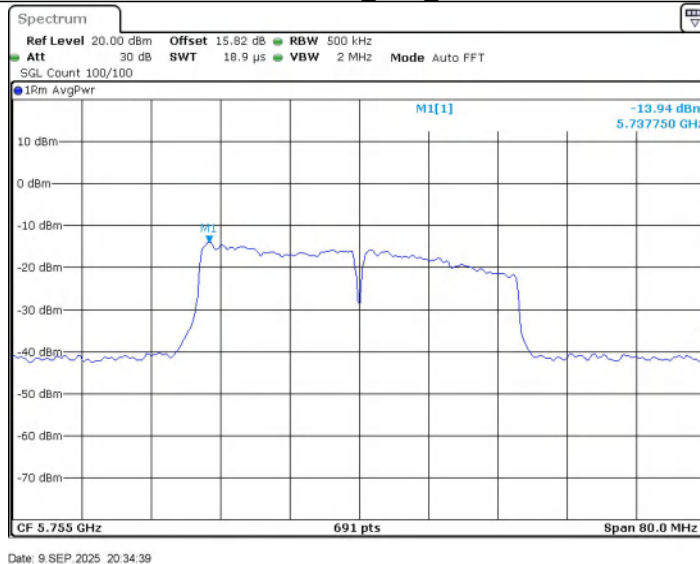
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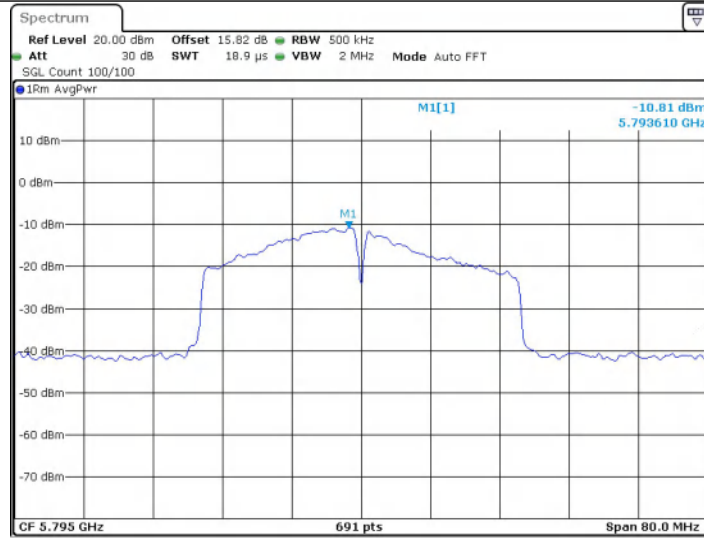
11N40MIMO_Ant2_5230



11N40MIMO_Ant2_5755

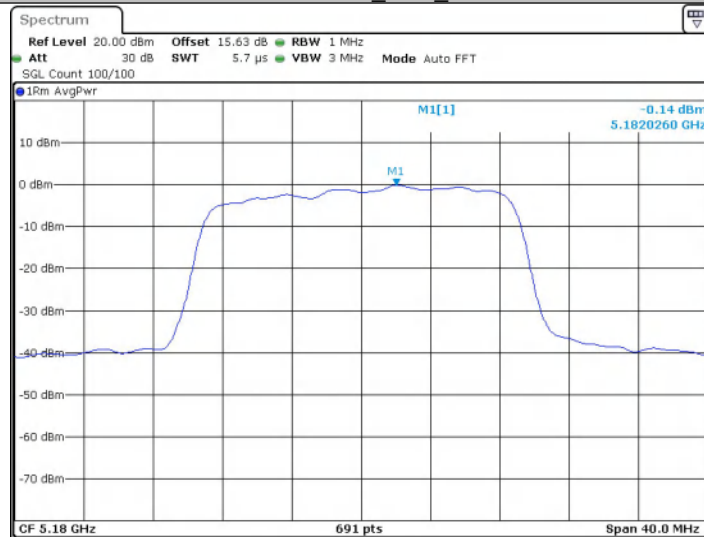


11N40MIMO_Ant2_5795



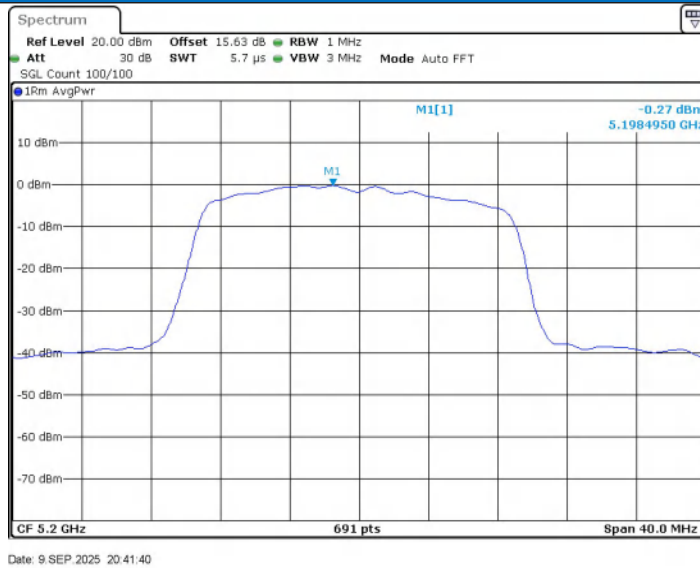
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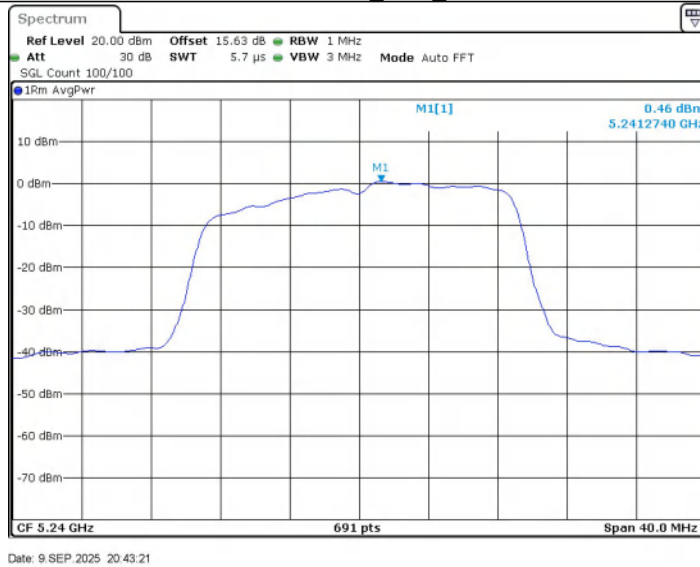


Date: 9 SEP. 2025 20:38:40

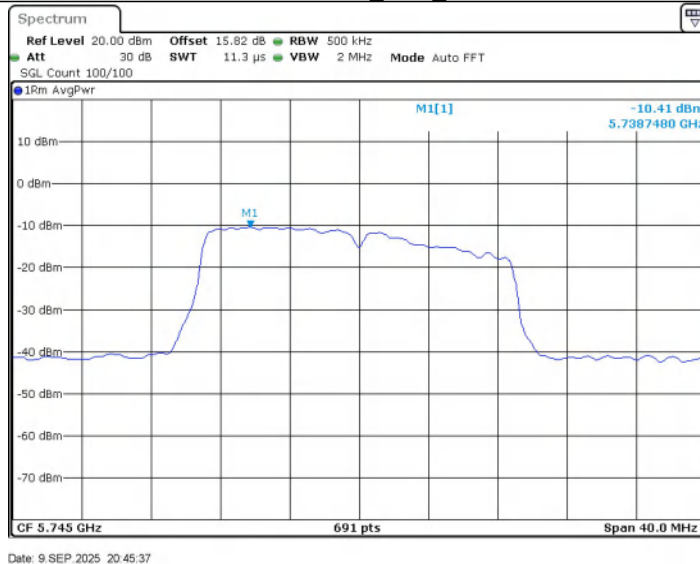
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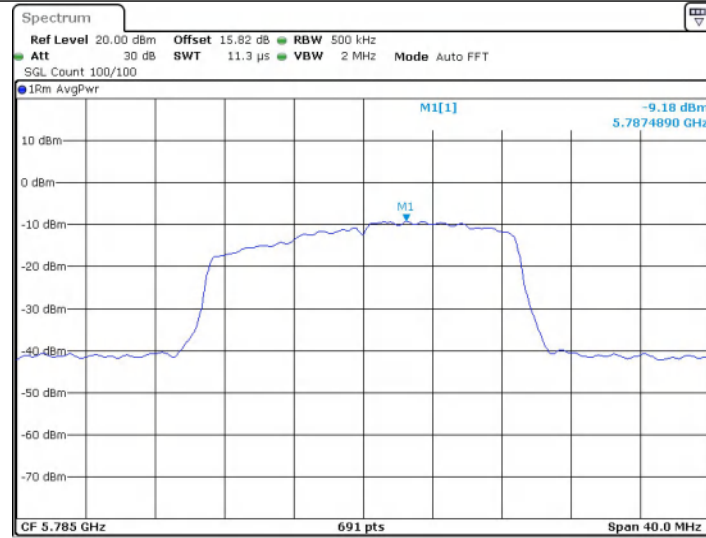
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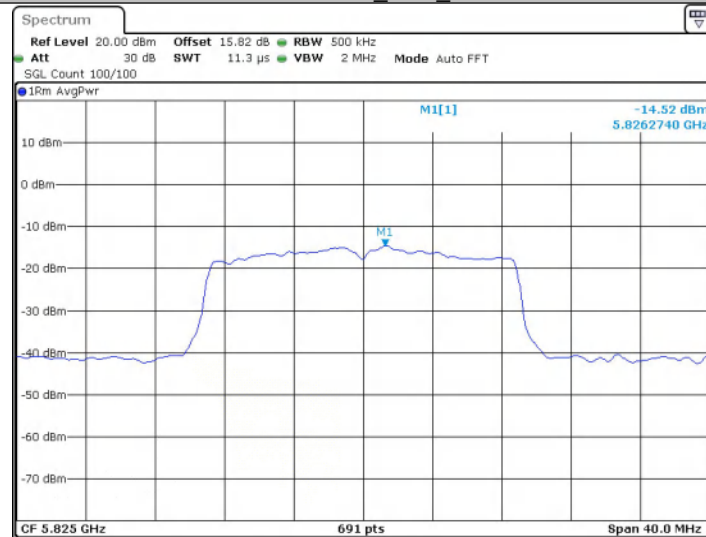


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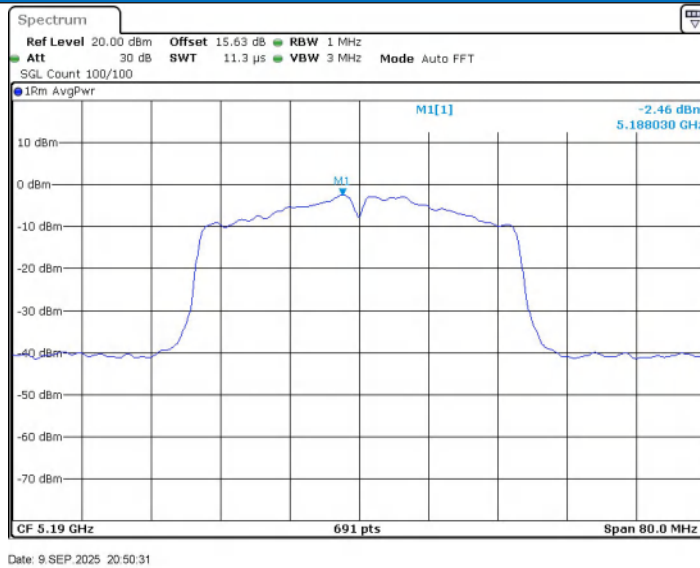
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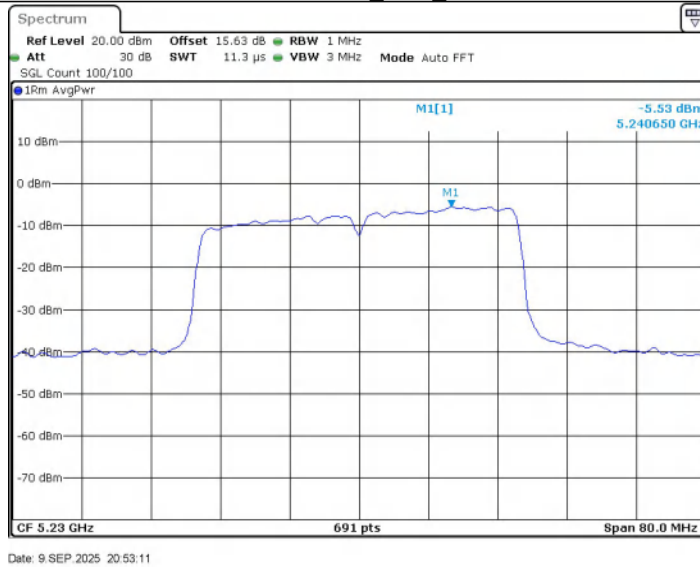


Date: 9 SEP. 2025 20:48:44

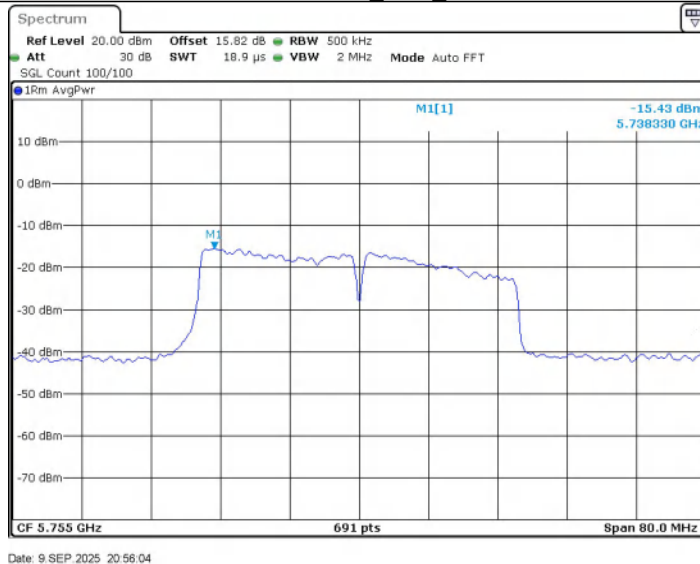
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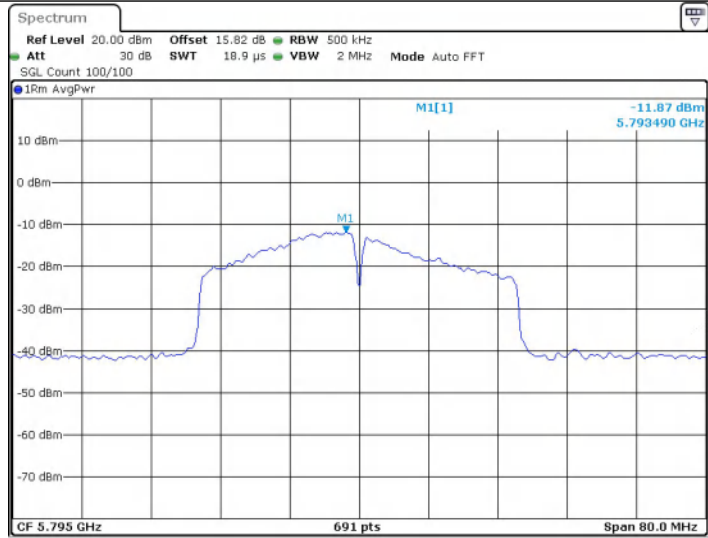
11AC40MIMO_Ant2_5230



11AC40MIMO_Ant2_5755

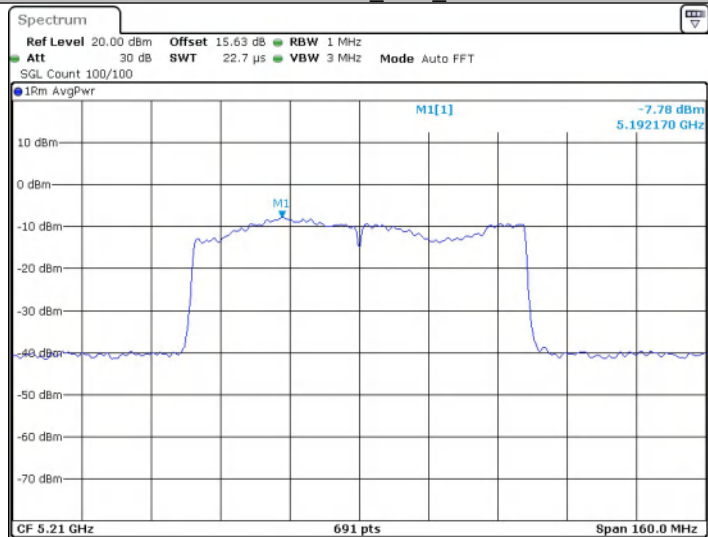


11AC40MIMO_Ant2_5795



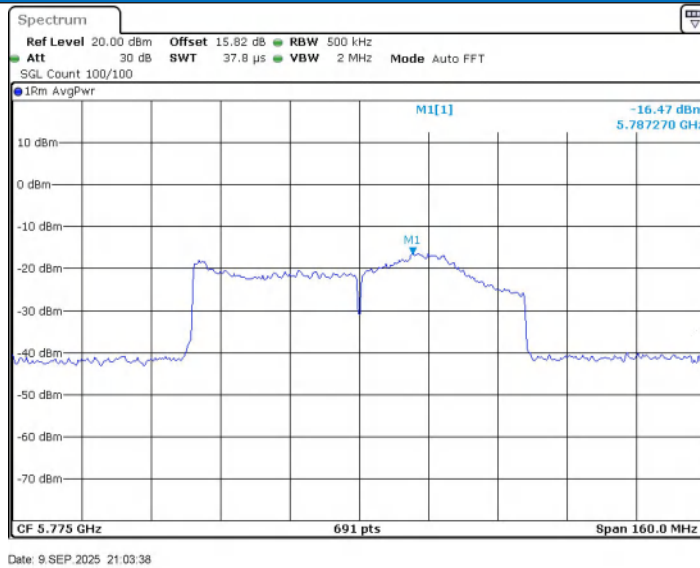
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11AC80MIMO_Ant2_5210

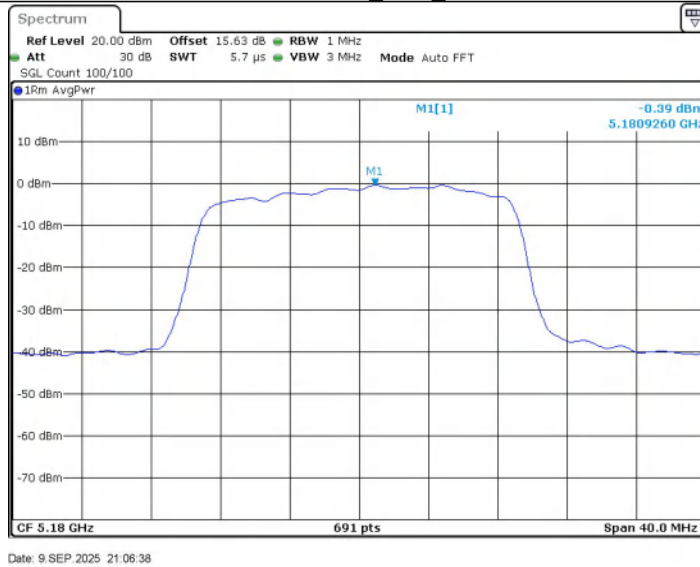


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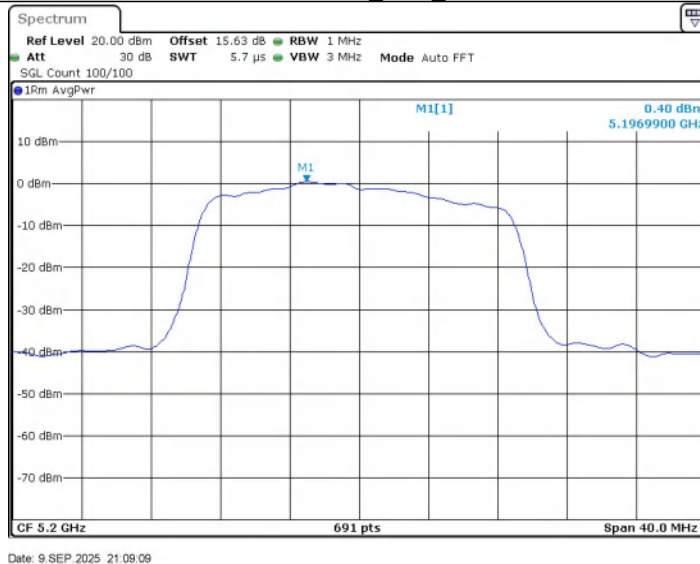
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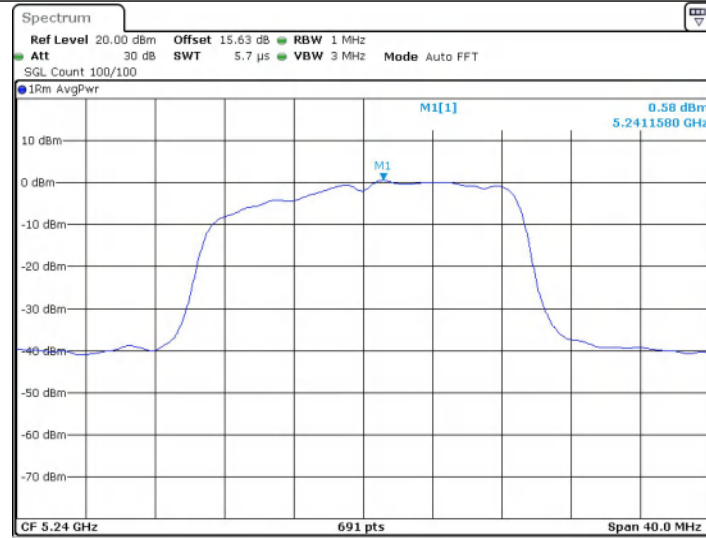
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11AX20MIMO_Ant2_5200

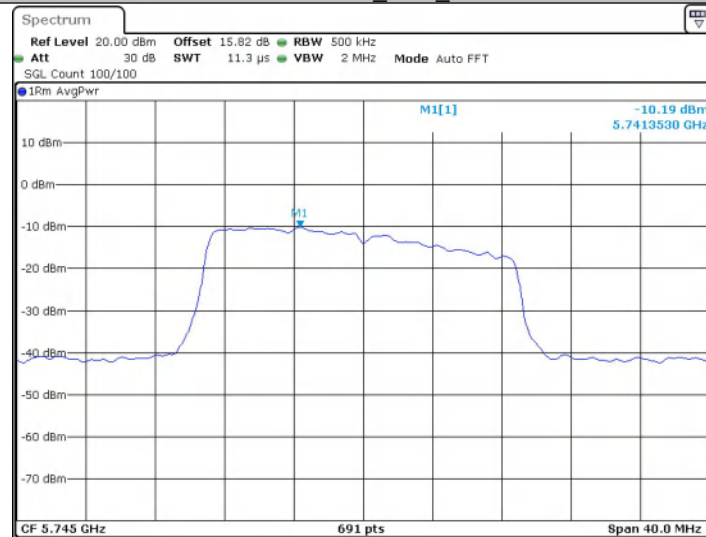


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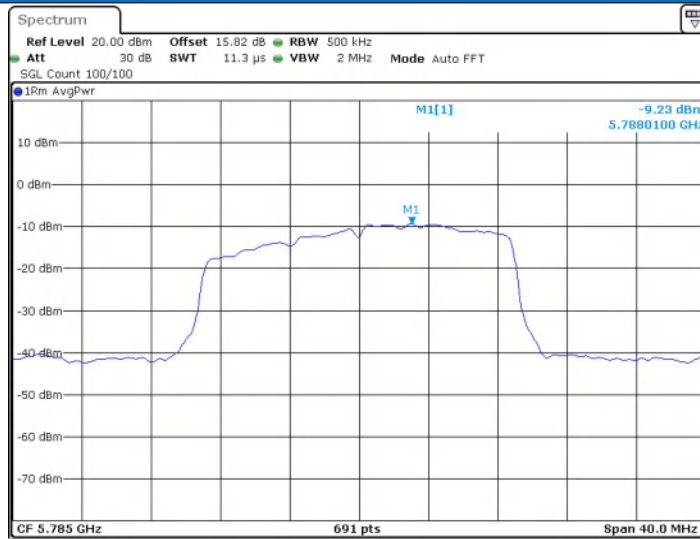
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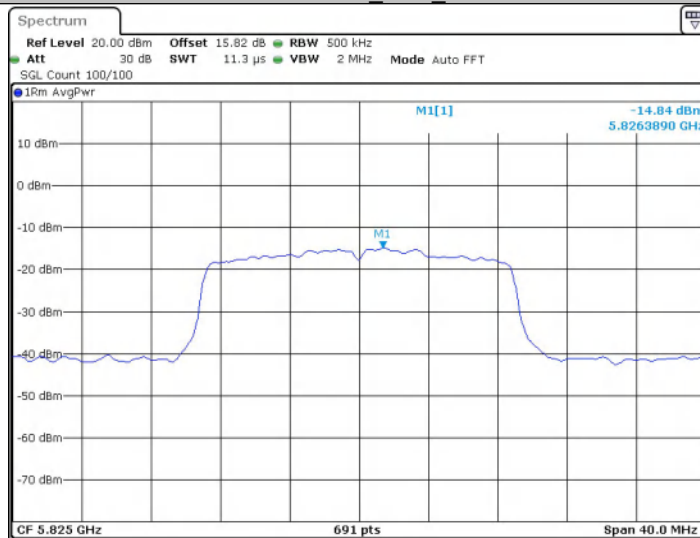
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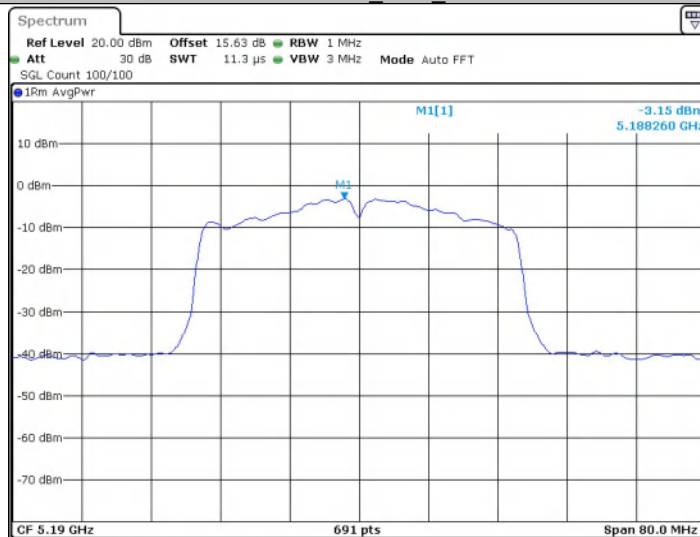
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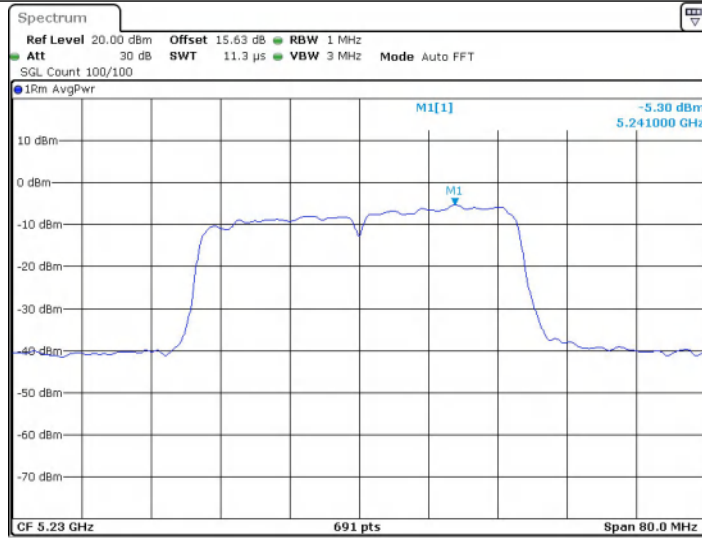
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11AX40MIMO_Ant2_5190



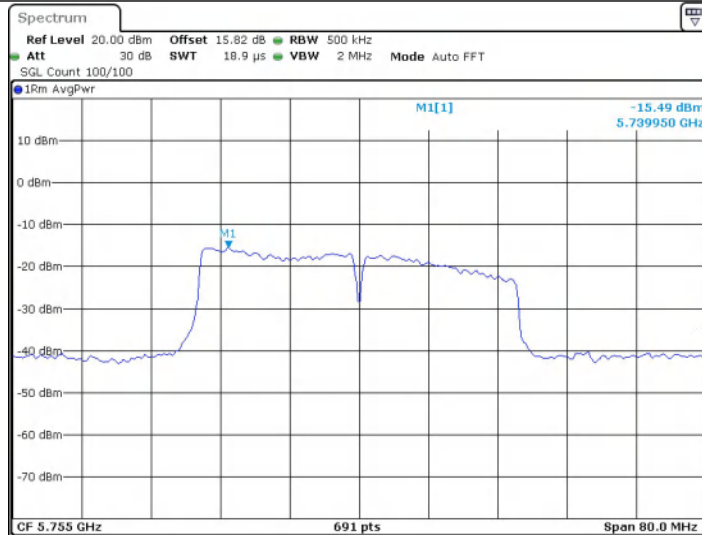
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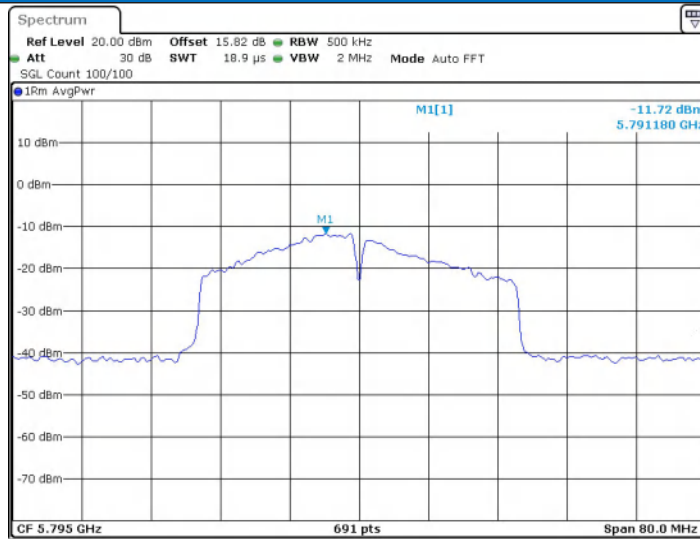
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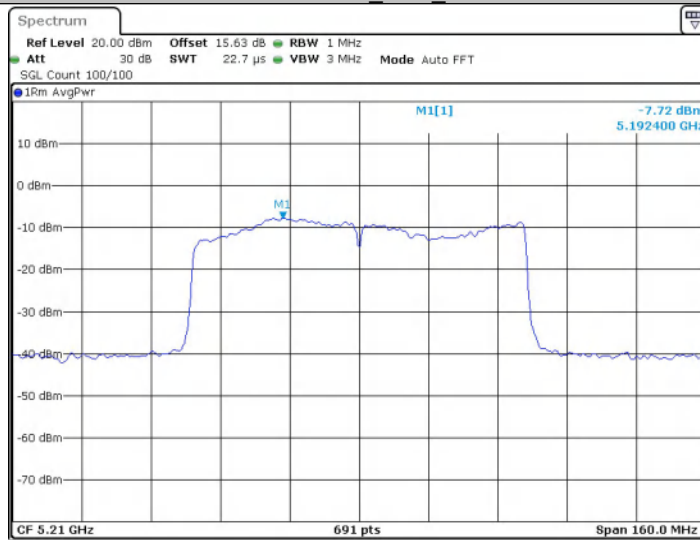
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11AX40MIMO_Ant2_5795



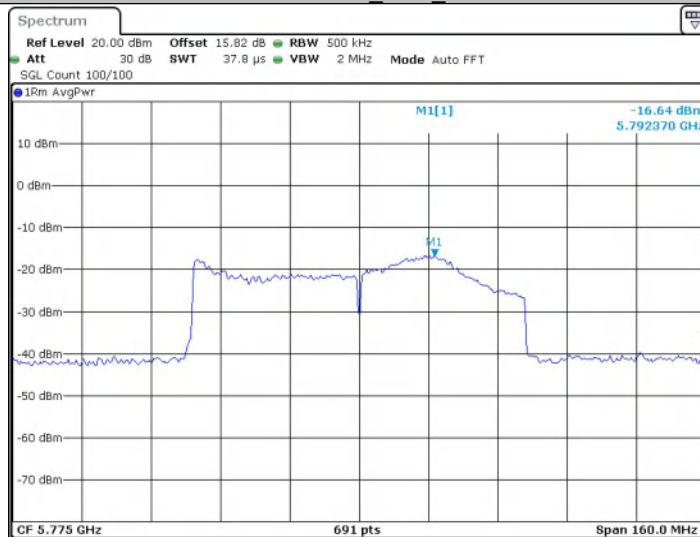
Date: 9 SEP 2025 21:31:22

11AX80MIMO_Ant2_5210



Date: 9 SEP 2025 21:34:23

11AX80MIMO_Ant2_5775



Date: 9 SEP 2025 21:38:51

Appendix D): Band Edge Measurements

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.407(b)

Test Method: KDB 789033 D02 II G

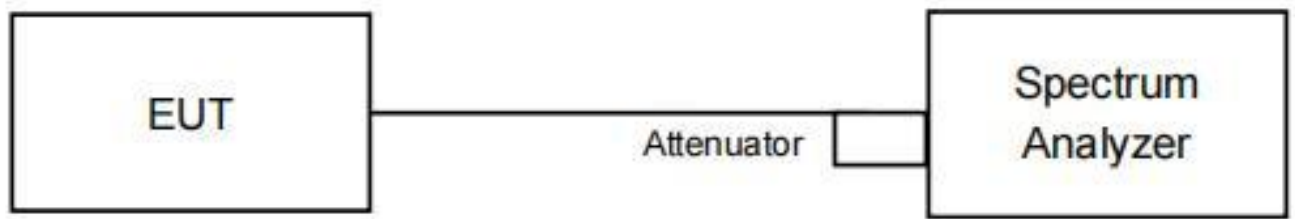
Test Procedure:

1. The EUT operates at transmitting mode. The operate channel is tested to verify the largest transmission and spurious emissions power at the continuous transmission mode.
2. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - (a) PEAK: RBW=VBW=1MHz / Sweep=AUTO
 - (b) AVERAGE: RBW=1MHz ; VBW=1/on time(1KHz) / Sweep=AUTO

Limit:

For transmitters operating in the 5.15-5.25 GHz band:	All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz (68.2dBuV/m).
For transmitters operating in the 5.25-5.35 GHz band:	All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz (68.2dBuV/m).
For transmitters operating in the 5.47-5.725 GHz band:	All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz (68.2dBuV/m).
For transmitters operating in the 5.725-5.85 GHz band:	(i) All emissions shall be limited to a level of -27 dBm/MHz (68.2dBuV/m) at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz (105.2dBuV/m) at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz (110.8dBuV/m) at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz (122.2dBuV/m) at the band edge.

Test Setup Diagram



Ant 1:

7.1.1 Test Result B1

TestMode	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Low	5180	-33.15	≤ -27	PASS
	High	5240	-36	≤ -27	PASS
11N20MIMO	Low	5180	-33.76	≤ -27	PASS
	High	5240	-35.02	≤ -27	PASS
11N40MIMO	Low	5190	-34.31	≤ -27	PASS
	High	5230	-35.62	≤ -27	PASS
11AC20MIMO	Low	5180	-34.31	≤ -27	PASS
	High	5240	-35.14	≤ -27	PASS
11AC40MIMO	Low	5190	-33.69	≤ -27	PASS
	High	5230	-35.24	≤ -27	PASS
11AC80MIMO	Low	5210	-34.06	≤ -27	PASS
	High	5210	-35.55	≤ -27	PASS
11AX20MIMO	Low	5180	-33.89	≤ -27	PASS
	High	5240	-35.93	≤ -27	PASS
11AX40MIMO	Low	5190	-34.61	≤ -27	PASS
	High	5230	-35.27	≤ -27	PASS
11AX80MIMO	Low	5210	-34.13	≤ -27	PASS
	High	5210	-35.07	≤ -27	PASS

7.1.2 Test Result B4

TestMode	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Low	5745	5650~5700	-37.23	≤ -26.75	PASS
			5700~5720	-35.21	≤ 10.98	PASS
			5720~5725	-35.11	≤ 16.36	PASS
			5760~5650	-36.02	≤ -27	PASS
	High	5825	5850~5855	-35.85	≤ 15.65	PASS
			5855~5875	-35.33	≤ 10.13	PASS
			5875~5925	-35.43	≤ -25.86	PASS
			5925~5935	-33.72	≤ -27	PASS
11N20MIMO	Low	5745	5650~5700	-35.49	≤ -26.63	PASS
			5700~5720	-36.04	≤ 10.37	PASS
			5720~5725	-36.35	≤ 15.98	PASS

	High	5825	5760~5650	-36.45	≤ -27	PASS
			5850~5855	-35.66	≤ 15.65	PASS
			5855~5875	-33.37	≤ 11.88	PASS
			5875~5925	-34.92	≤ -26.15	PASS
			5925~5935	-34.66	≤ -27	PASS
11N40MIM O	Low	5755	5650~5700	-36.66	≤ -26.94	PASS
			5700~5720	-34.7	≤ 10.82	PASS
			5720~5725	-34.72	≤ 15.90	PASS
			5780~5650	-35.71	≤ -27	PASS
	High	5795	5850~5855	-36.79	≤ 15.85	PASS
			5855~5875	-35.52	≤ 10.47	PASS
			5875~5925	-35.1	≤ -26.79	PASS
			5925~5935	-35.04	≤ -27	PASS
11AC20MI MO	Low	5745	5650~5700	-37.17	≤ -26.88	PASS
			5700~5720	-35.19	≤ 10.14	PASS
			5720~5725	-36.46	≤ 15.98	PASS
			5760~5650	-35.47	≤ -27	PASS
	High	5825	5850~5855	-35.36	≤ 15.65	PASS
			5855~5875	-33.78	≤ 10.13	PASS
			5875~5925	-33.77	≤ -25.71	PASS
			5925~5935	-34.66	≤ -27	PASS
11AC40MI MO	Low	5755	5650~5700	-36.04	≤ -26.65	PASS
			5700~5720	-35.99	≤ 10.21	PASS
			5720~5725	-35.29	≤ 15.90	PASS
			5780~5650	-35.25	≤ -27	PASS
	High	5795	5850~5855	-34.39	≤ 16.39	PASS
			5855~5875	-33.58	≤ 10.74	PASS
			5875~5925	-35.32	≤ -26.79	PASS
			5925~5935	-33.33	≤ -27	PASS
11AC80MI MO	Low	5775	5650~5700	-35.69	≤ -26.54	PASS
			5700~5720	-35.21	≤ 10.20	PASS
			5720~5725	-34.07	≤ 16.69	PASS
			5800~5650	-35.3	≤ -27	PASS
	High	5775	5850~5855	-35.66	≤ 16.59	PASS
			5855~5875	-34	≤ 10.02	PASS
			5875~5925	-35	≤ -26.46	PASS
			5925~5935	-34.74	≤ -27	PASS

11AX20MIM O	Low	5745	5650~5700	-36.49	≤ -26.01	PASS
			5700~5720	-36.01	≤ 10.33	PASS
			5720~5725	-36.25	≤ 15.98	PASS
			5760~5650	-34.78	≤ -27	PASS
	High	5825	5850~5855	-34.66	≤ 15.65	PASS
			5855~5875	-34.26	≤ 11.61	PASS
			5875~5925	-34.87	≤ -26.73	PASS
			5925~5935	-34.25	≤ -27	PASS
11AX40MIM O	Low	5755	5650~5700	-35.38	≤ -26.65	PASS
			5700~5720	-35.76	≤ 10.49	PASS
			5720~5725	-35.28	≤ 17.24	PASS
			5780~5650	-35.66	≤ -27	PASS
	High	5795	5850~5855	-34.63	≤ 15.85	PASS
			5855~5875	-34.26	≤ 10.61	PASS
			5875~5925	-36.08	≤ -26.61	PASS
			5925~5935	-34.49	≤ -27	PASS
11AX80MIM O	Low	5775	5650~5700	-37.17	≤ -26.88	PASS
			5700~5720	-35.39	≤ 10.26	PASS
			5720~5725	-36.83	≤ 15.67	PASS
			5800~5650	-36	≤ -27	PASS
	High	5775	5850~5855	-35.66	≤ 15.98	PASS
			5855~5875	-34.67	≤ 10.02	PASS
			5875~5925	-35.65	≤ -26.86	PASS
			5925~5935	-34.76	≤ -27	PASS

Ant 2:

7.1.3 Test Result B1

TestMode	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Low	5180	-34.25	≤ -27	PASS
	High	5240	-35.38	≤ -27	PASS
11N20MIMO	Low	5180	-33.9	≤ -27	PASS
	High	5240	-35.07	≤ -27	PASS
11N40MIMO	Low	5190	-34.3	≤ -27	PASS
	High	5230	-35.17	≤ -27	PASS
11AC20MIMO	Low	5180	-34.1	≤ -27	PASS
	High	5240	-35.62	≤ -27	PASS
11AC40MIMO	Low	5190	-33.89	≤ -27	PASS
	High	5230	-35.84	≤ -27	PASS
11AC80MIMO	Low	5210	-33.52	≤ -27	PASS
	High	5210	-35.41	≤ -27	PASS
11AX20MIMO	Low	5180	-33.88	≤ -27	PASS
	High	5240	-35.23	≤ -27	PASS
11AX40MIMO	Low	5190	-34.51	≤ -27	PASS
	High	5230	-34.79	≤ -27	PASS
11AX80MIMO	Low	5210	-32.97	≤ -27	PASS
	High	5210	-35.16	≤ -27	PASS

7.1.4 Test Result B4

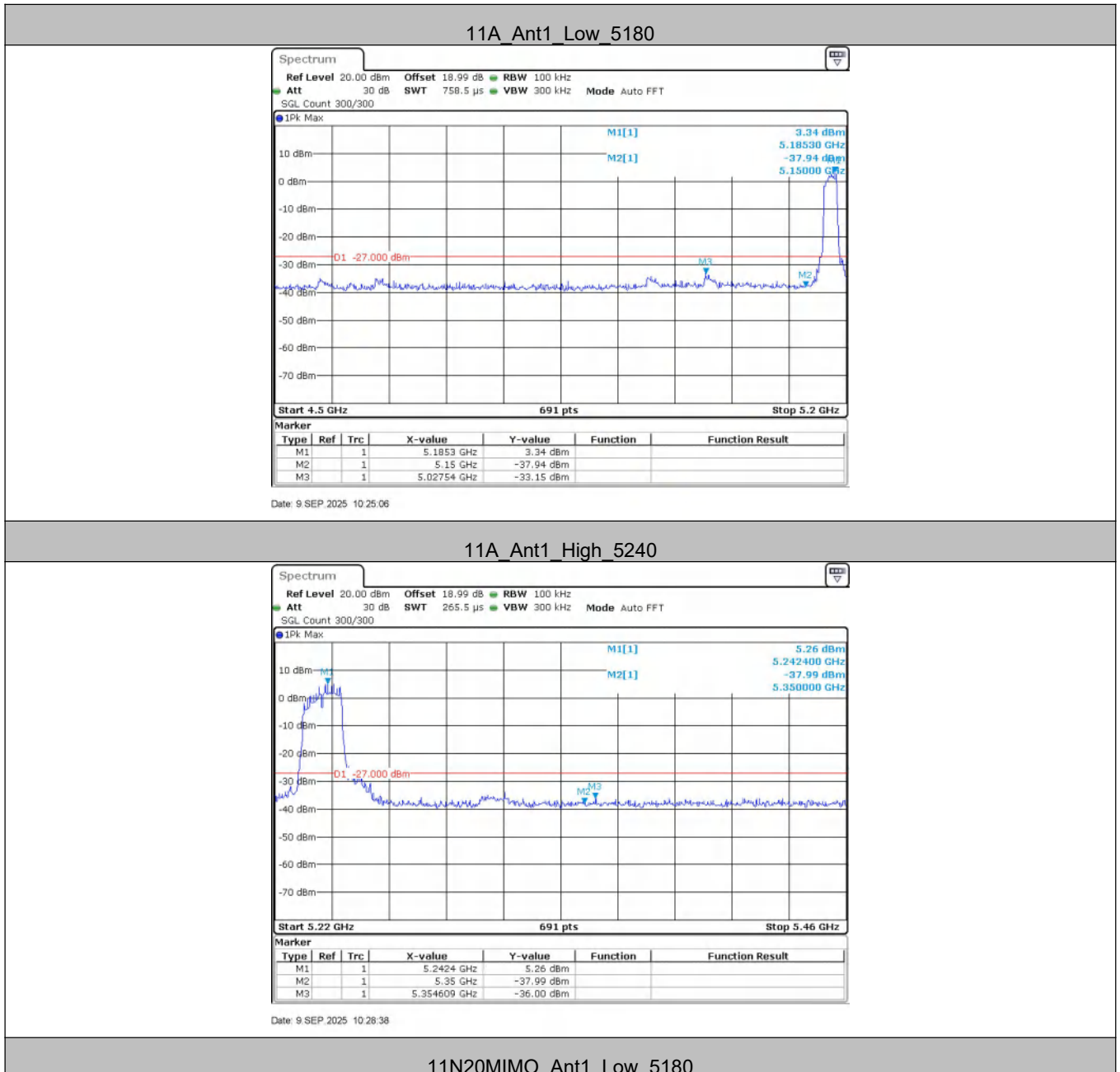
TestMode	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Low	5745	5650~5700	-35.96	≤ -26.14	PASS
			5700~5720	-34.83	≤ 11.35	PASS
			5720~5725	-35.44	≤ 16.74	PASS
			5760~5650	-36	≤ -27	PASS
	High	5825	5850~5855	-34.68	≤ 16.10	PASS
			5855~5875	-33.23	≤ 11.88	PASS
			5875~5925	-34.9	≤ -26.15	PASS
			5925~5935	-34.55	≤ -27	PASS
11N20MIMO	Low	5745	5650~5700	-36.51	≤ -26.38	PASS
			5700~5720	-35.38	≤ 10.79	PASS
			5720~5725	-37.68	≤ 15.98	PASS

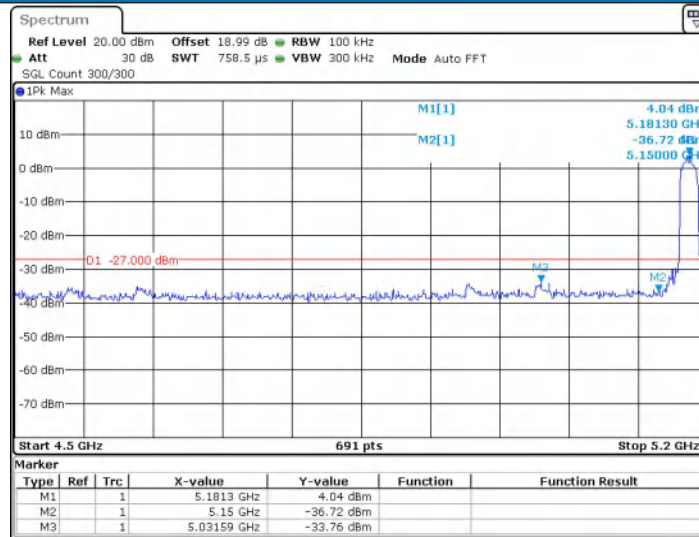
	High	5825	5760~5650	-35.75	≤ -27	PASS
			5850~5855	-34.73	≤ 16.10	PASS
			5855~5875	-34.76	≤ 10.89	PASS
			5875~5925	-34.58	≤ -26.44	PASS
			5925~5935	-32.63	≤ -27	PASS
11N40MIM O	Low	5755	5650~5700	-36.58	≤ -26.50	PASS
			5700~5720	-34.59	≤ 11.03	PASS
			5720~5725	-36.62	≤ 15.90	PASS
			5780~5650	-35.81	≤ -27	PASS
	High	5795	5850~5855	-33.63	≤ 17.48	PASS
			5855~5875	-33.27	≤ 10.21	PASS
			5875~5925	-34.62	≤ -26.61	PASS
			5925~5935	-34.9	≤ -27	PASS
11AC20MI MO	Low	5745	5650~5700	-36.68	≤ -26.63	PASS
			5700~5720	-35.41	≤ 10.14	PASS
			5720~5725	-36.25	≤ 15.98	PASS
			5760~5650	-36.32	≤ -27	PASS
	High	5825	5850~5855	-35.93	≤ 16.10	PASS
			5855~5875	-34.41	≤ 10.24	PASS
			5875~5925	-35.88	≤ -26.73	PASS
			5925~5935	-34.64	≤ -27	PASS
11AC40MI MO	Low	5755	5650~5700	-36.26	≤ -26.36	PASS
			5700~5720	-36.18	≤ 10.27	PASS
			5720~5725	-36.36	≤ 15.90	PASS
			5780~5650	-35.9	≤ -27	PASS
	High	5795	5850~5855	-35.06	≤ 16.94	PASS
			5855~5875	-33.46	≤ 10.21	PASS
			5875~5925	-34.82	≤ -26.61	PASS
			5925~5935	-34.68	≤ -27	PASS
11AC80MI MO	Low	5775	5650~5700	-36.31	≤ -26.54	PASS
			5700~5720	-35.57	≤ 10.58	PASS
			5720~5725	-35.83	≤ 15.67	PASS
			5800~5650	-34.54	≤ -27	PASS
	High	5775	5850~5855	-35.18	≤ 15.98	PASS
			5855~5875	-35.02	≤ 10.32	PASS
			5875~5925	-35.61	≤ -26.86	PASS
			5925~5935	-33.78	≤ -27	PASS

11AX20MIM O	Low	5745	5650~5700	-37.73	≤ -26.88	PASS
			5700~5720	-36.08	≤ 10.09	PASS
			5720~5725	-37.03	≤ 15.98	PASS
			5760~5650	-36.25	≤ -27	PASS
	High	5825	5850~5855	-35.73	≤ 16.54	PASS
			5855~5875	-32.7	≤ 11.39	PASS
			5875~5925	-34.11	≤ -26.44	PASS
			5925~5935	-33.93	≤ -27	PASS
11AX40MIM O	Low	5755	5650~5700	-35.54	≤ -26.07	PASS
			5700~5720	-35	≤ 10.98	PASS
			5720~5725	-35.4	≤ 16.34	PASS
			5780~5650	-34.27	≤ -27	PASS
	High	5795	5850~5855	-34.93	≤ 15.85	PASS
			5855~5875	-34.79	≤ 10.34	PASS
			5875~5925	-35.11	≤ -26.44	PASS
			5925~5935	-34.55	≤ -27	PASS
11AX80MIM O	Low	5775	5650~5700	-36.06	≤ -26.21	PASS
			5700~5720	-35.73	≤ 10.20	PASS
			5720~5725	-37.26	≤ 15.67	PASS
			5800~5650	-35.76	≤ -27	PASS
	High	5775	5850~5855	-35.11	≤ 16.59	PASS
			5855~5875	-33.72	≤ 10.77	PASS
			5875~5925	-34.3	≤ -25.67	PASS
			5925~5935	-34.87	≤ -27	PASS

7.1.5 Test Graphs B1/B4

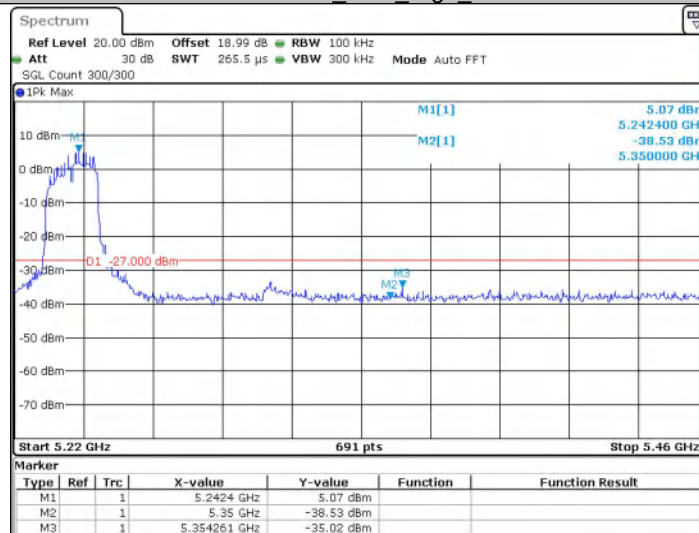
Ant 1:





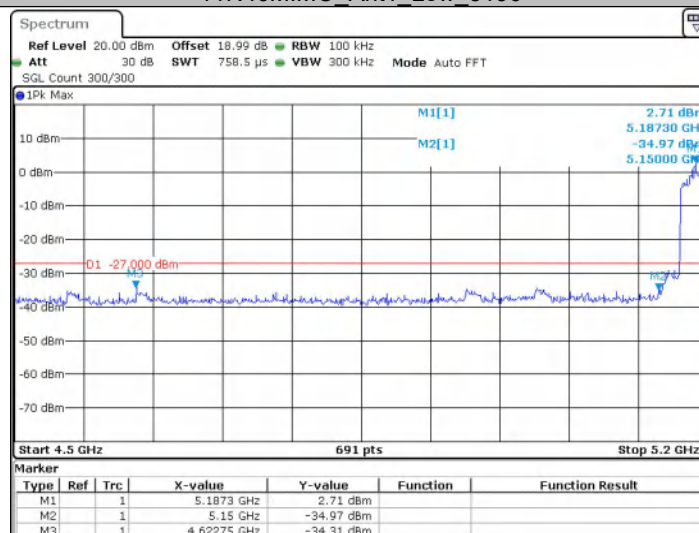
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11N20MIMO_Ant1_High_5240



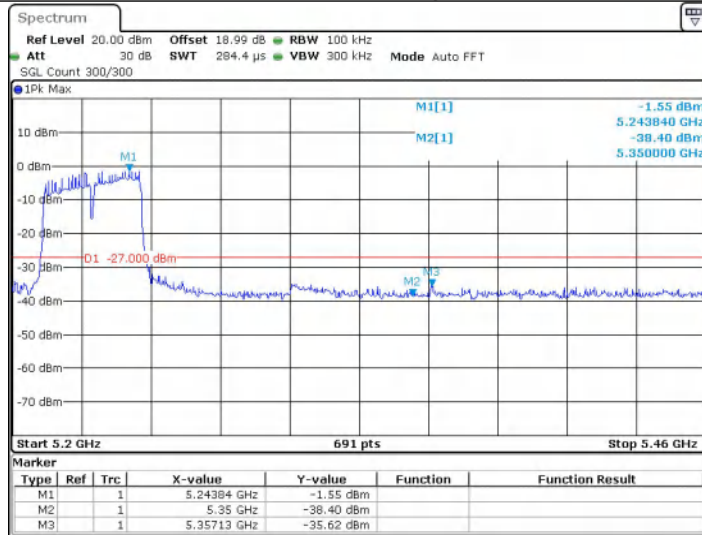
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11N40MIMO_Ant1_Low_5190



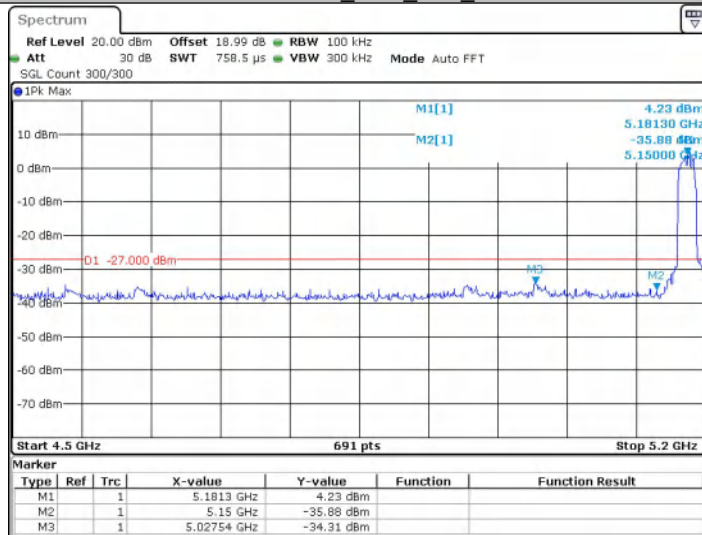
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11N40MIMO_Ant1_High_5230



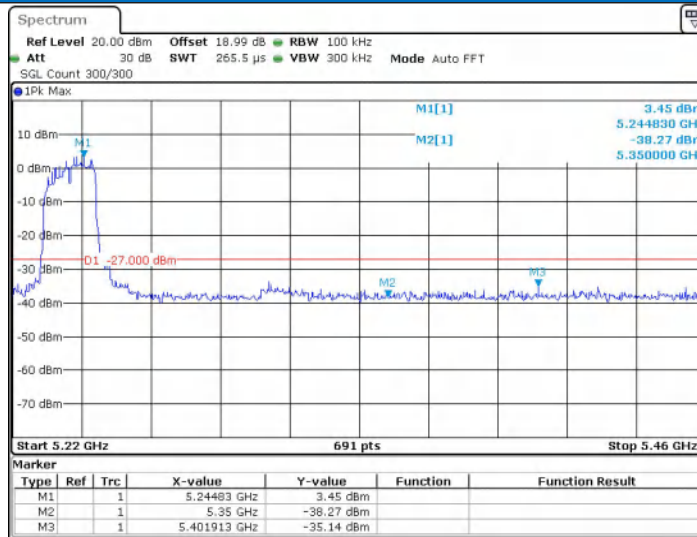
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11AC20MIMO_Ant1_Low_5180



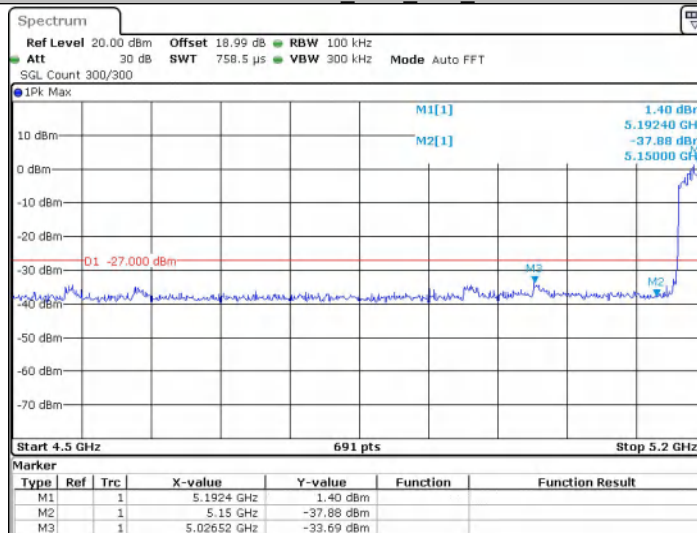
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11AC20MIMO_Ant1_High_5240



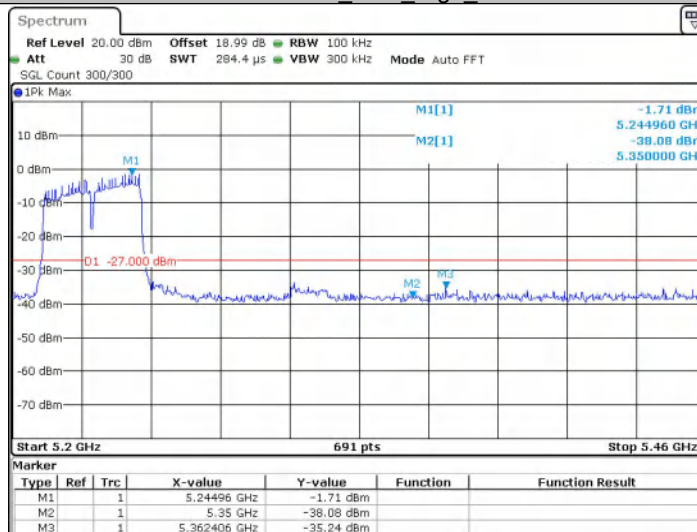
Date: 9 SEP 2025 11:18:03

11AC40MIMO_Ant1_Low_5190



Date: 9 SEP 2025 11:28:04

11AC40MIMO_Ant1_High_5230



Date: 9 SEP 2025 11:29:43