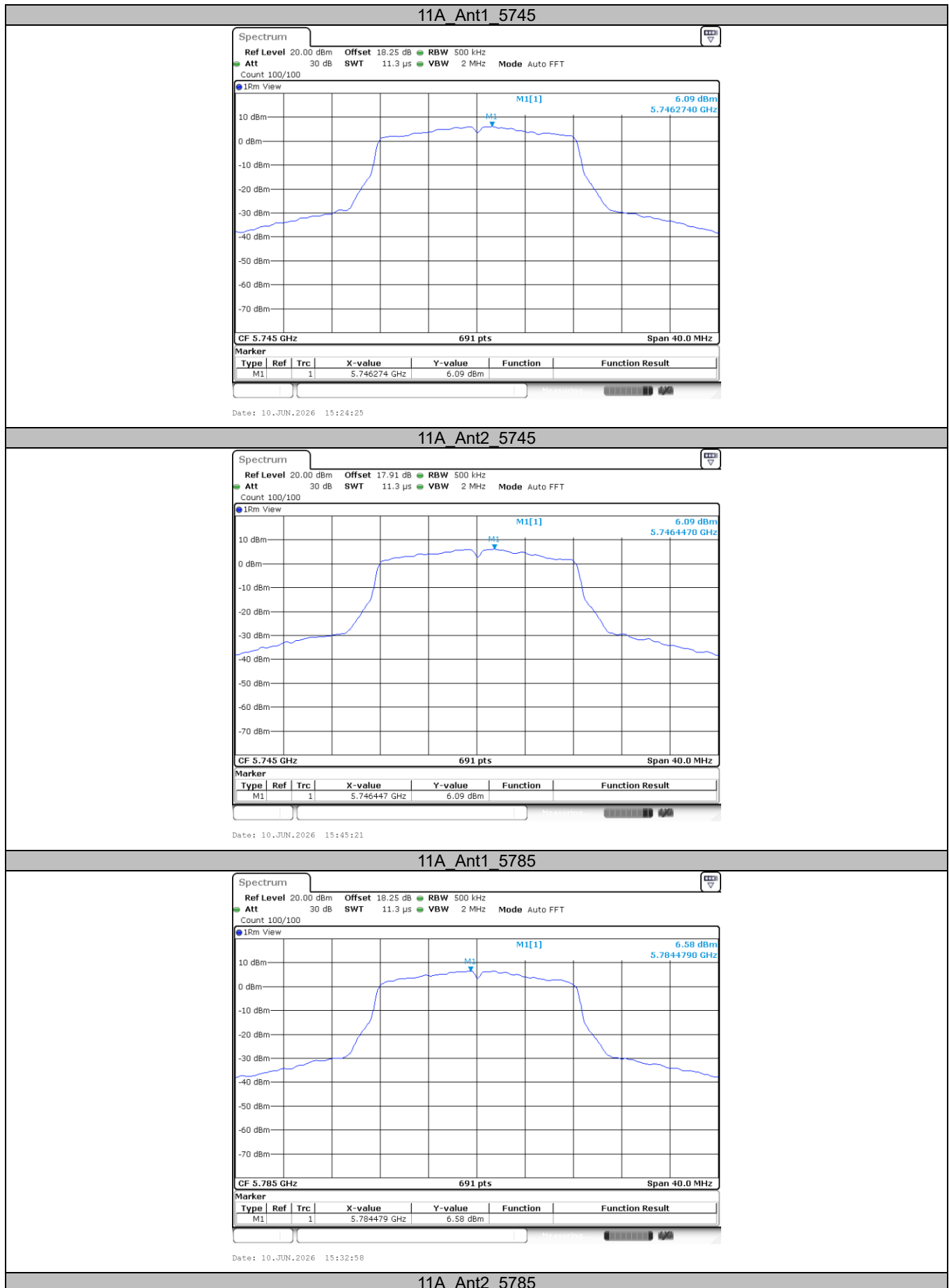


	Ant2	5825	-0.9	0.44	-0.46	/	PASS
	total	5825	---	---	5.02	≤24.42	PASS
11AX40MIMO	Ant1	5755	-2.18	0.75	-1.43	/	PASS
	Ant2	5755	-3.73	0.75	-2.98	/	PASS
	total	5755	---	---	0.87	≤24.42	PASS
	Ant1	5795	-1.18	1.14	-0.04	/	PASS
	Ant2	5795	-4.23	1.14	-3.09	/	PASS
	total	5795	---	---	1.71	≤24.42	PASS
11AX80MIMO	Ant1	5775	-7.51	5.07	-2.44	/	PASS
	Ant2	5775	-10.14	4.93	-5.21	/	PASS
	total	5775	---	---	-0.60	≤24.42	PASS

Test Graphs:



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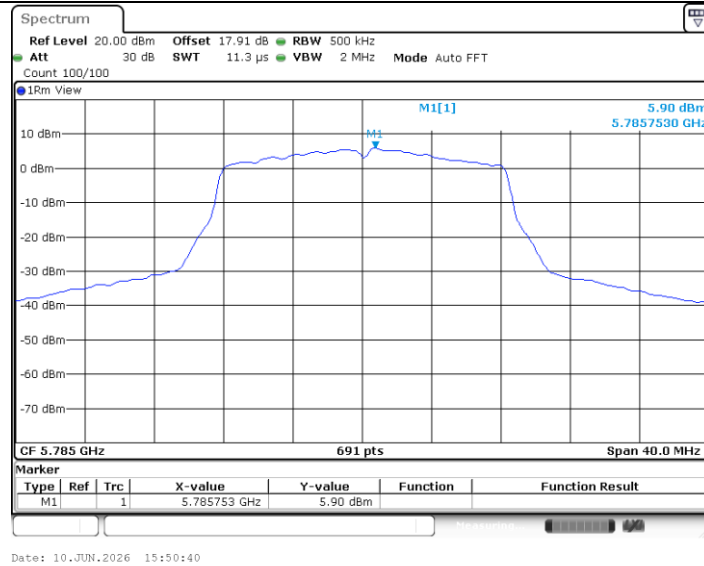
Tel.: (86)755-27521059

Fax: (86)755-27521011

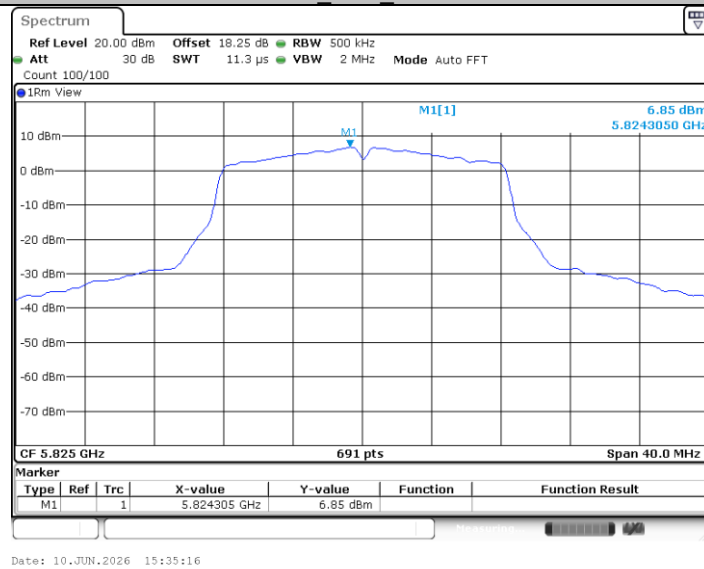
Http://www.sz-ctc.org.cn

TRF No: CTC-TR-062_A5

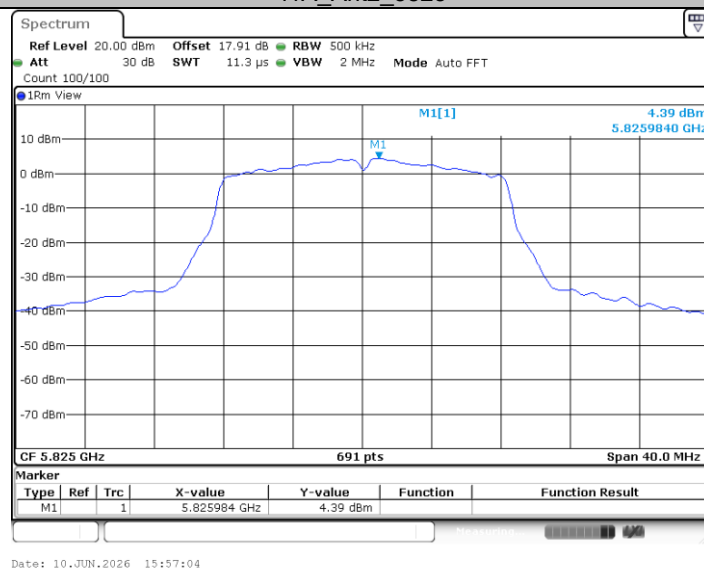
Master TRF : Dated 2026-06-01



11A_Ant1_5825



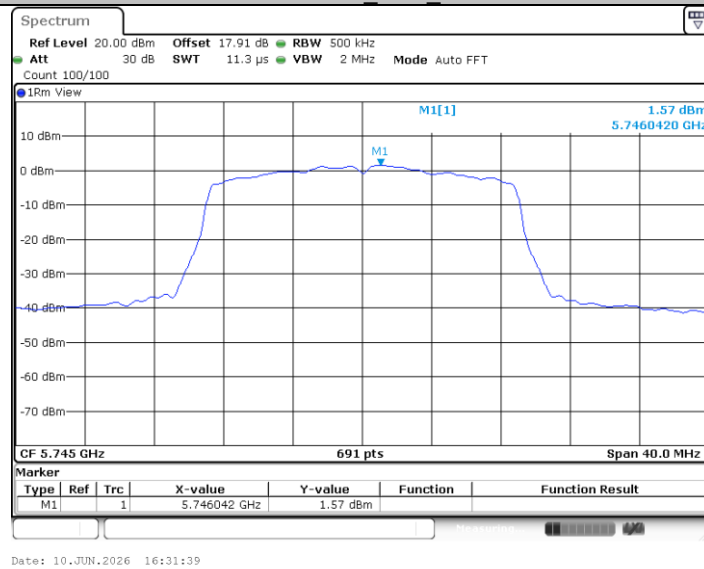
11A_Ant2_5825



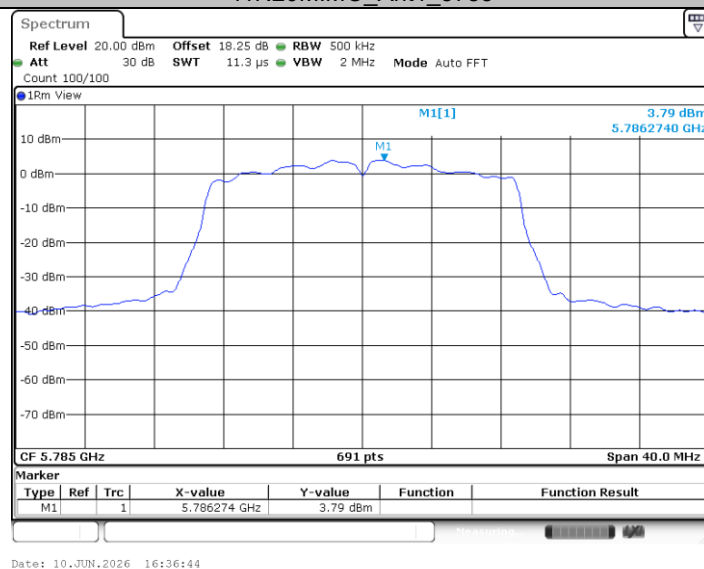
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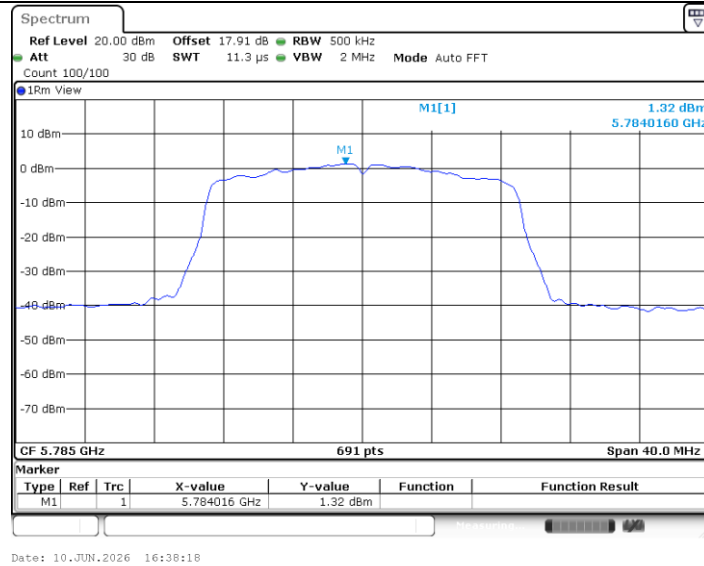
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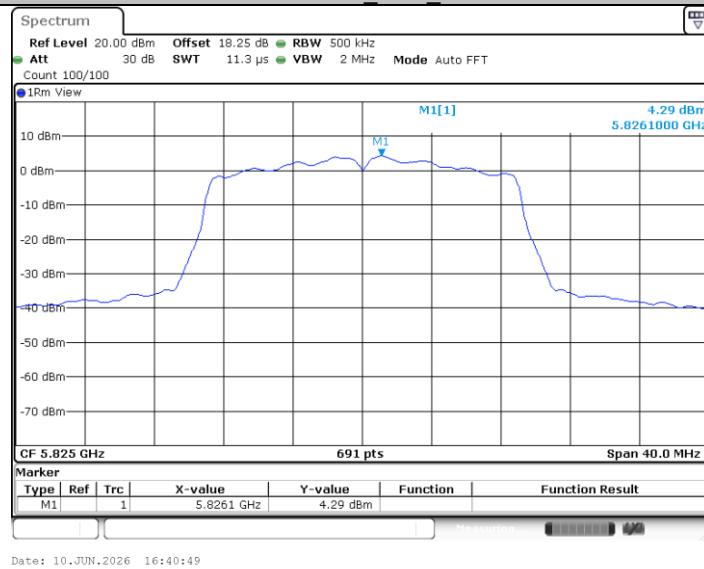
11N20MIMO_Ant1_5785



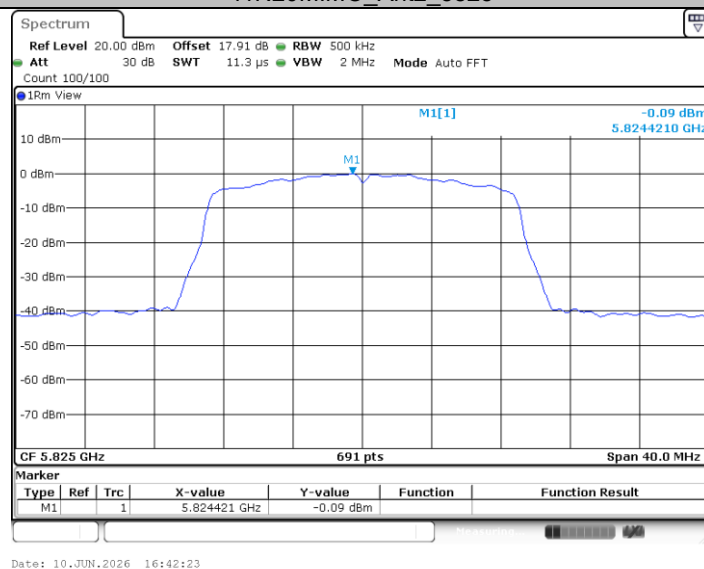
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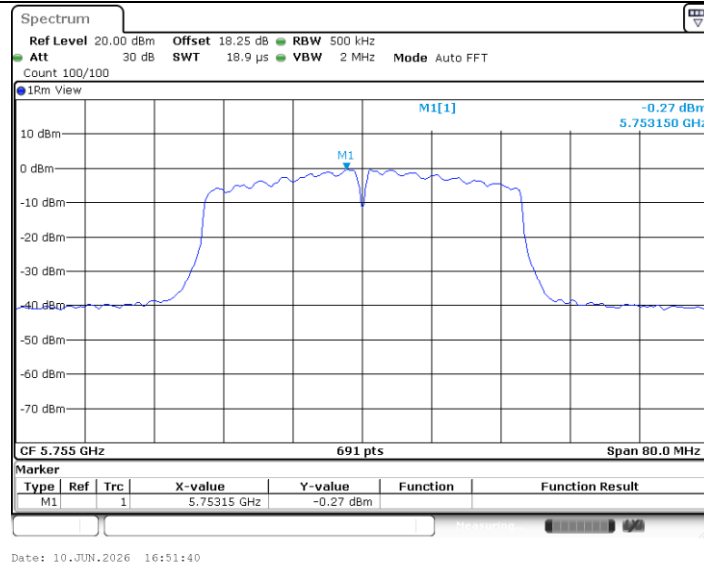
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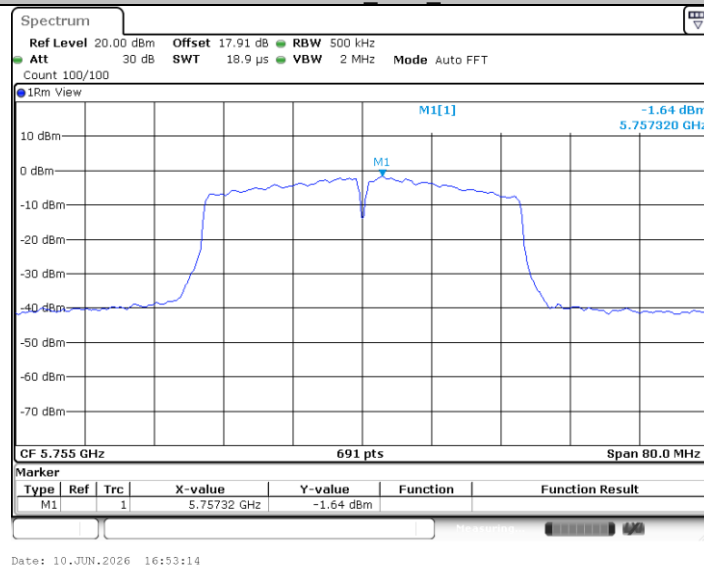
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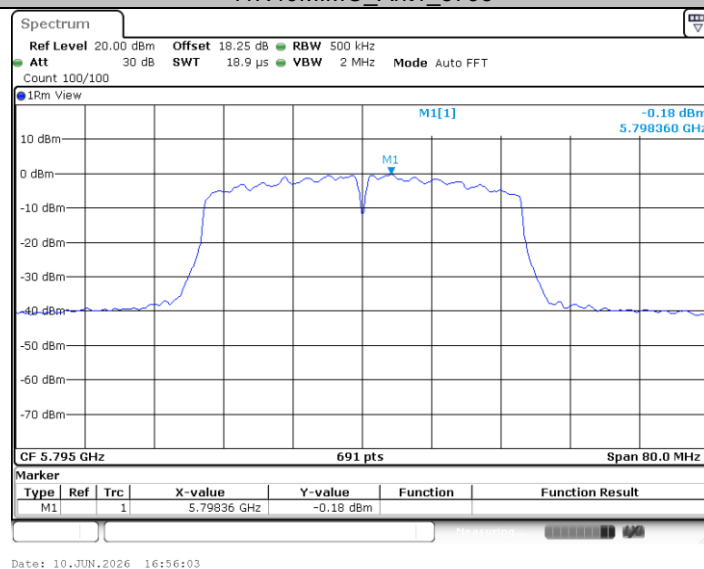
11N40MIMO_Ant1_5755



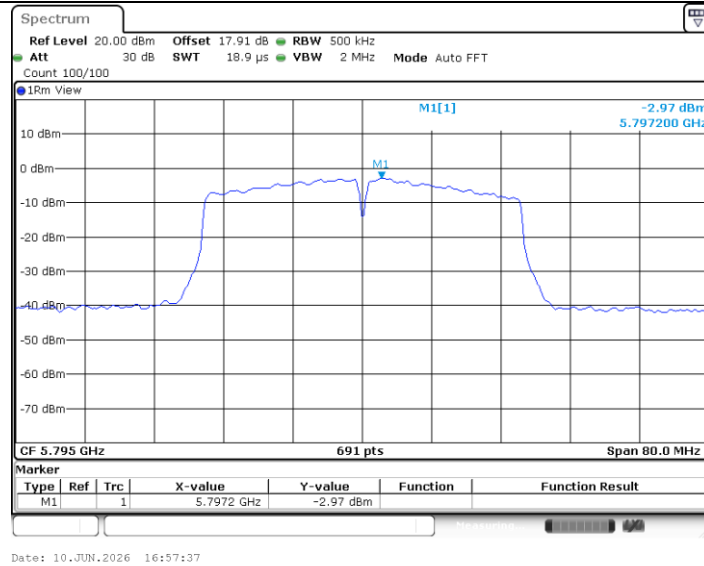
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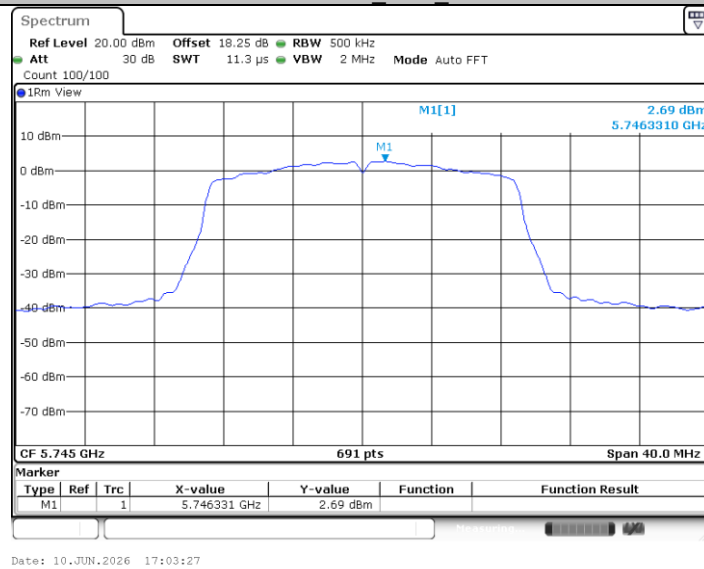
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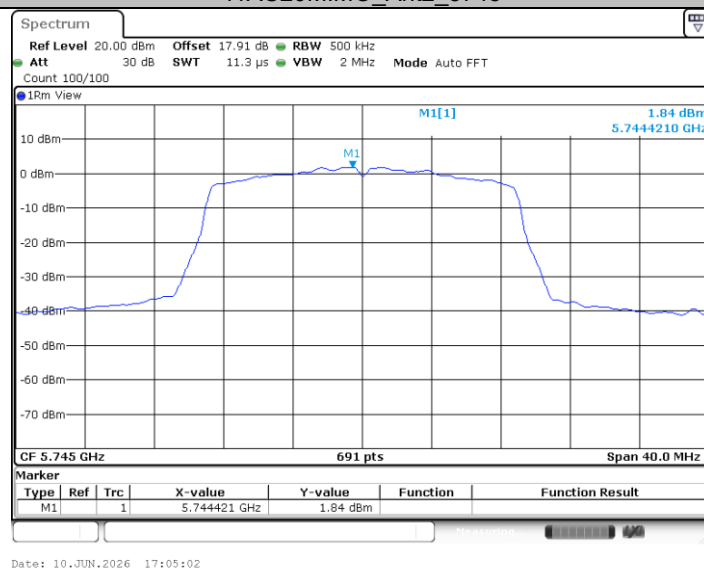
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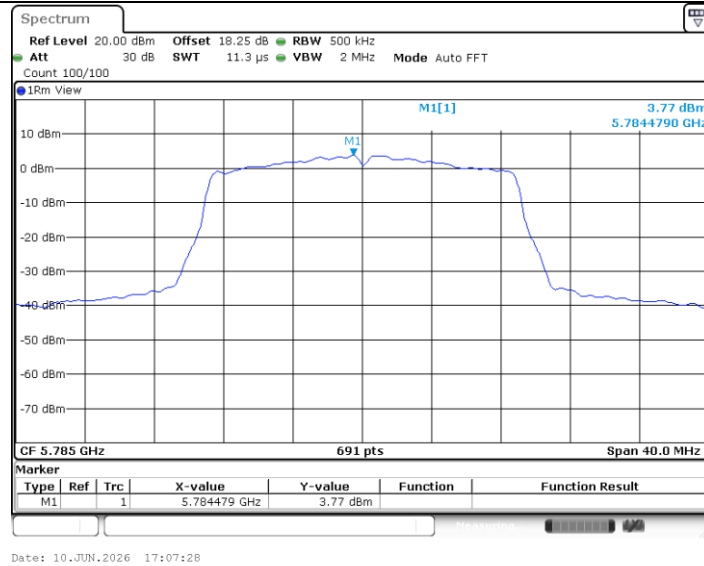
11AC20MIMO_Ant1_5745



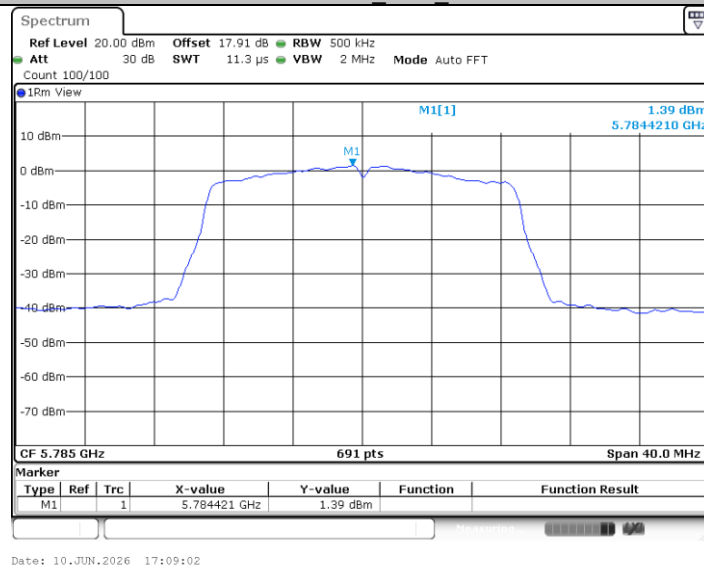
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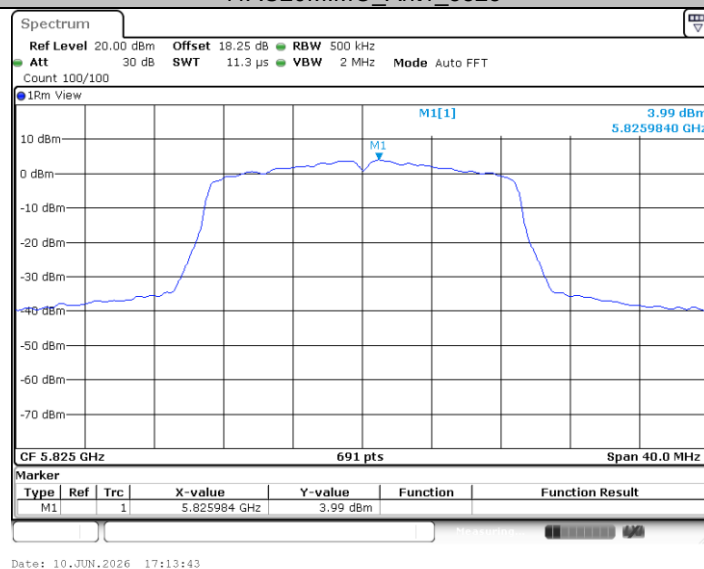
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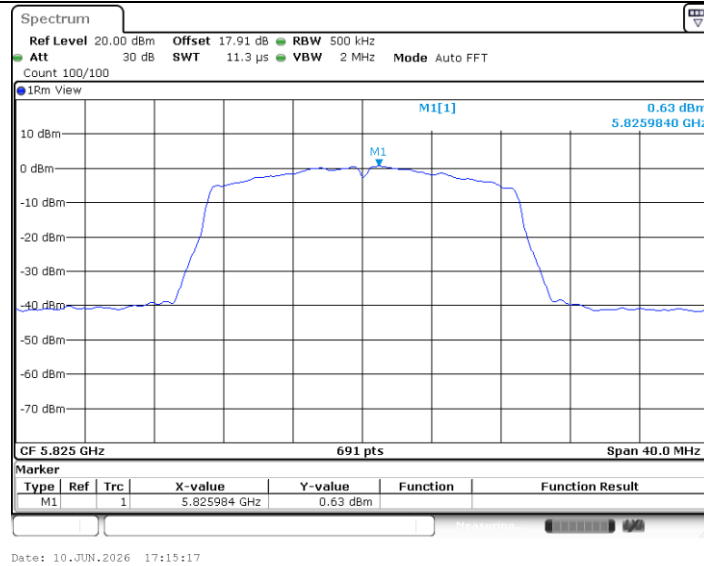
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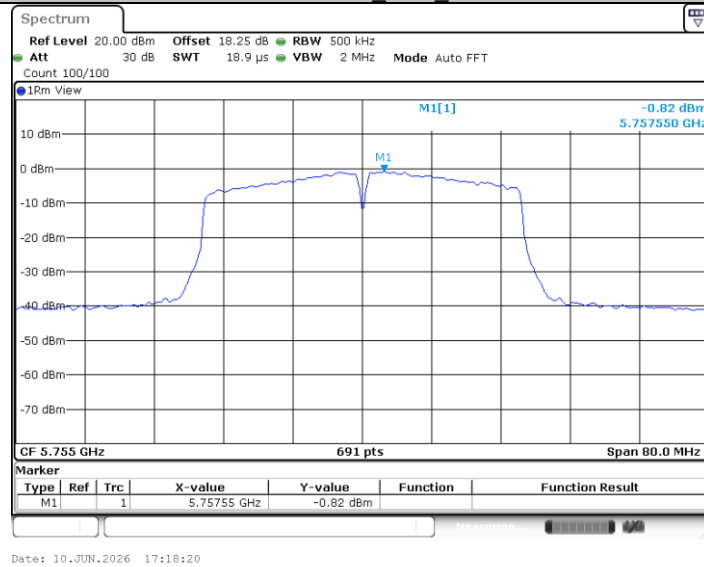
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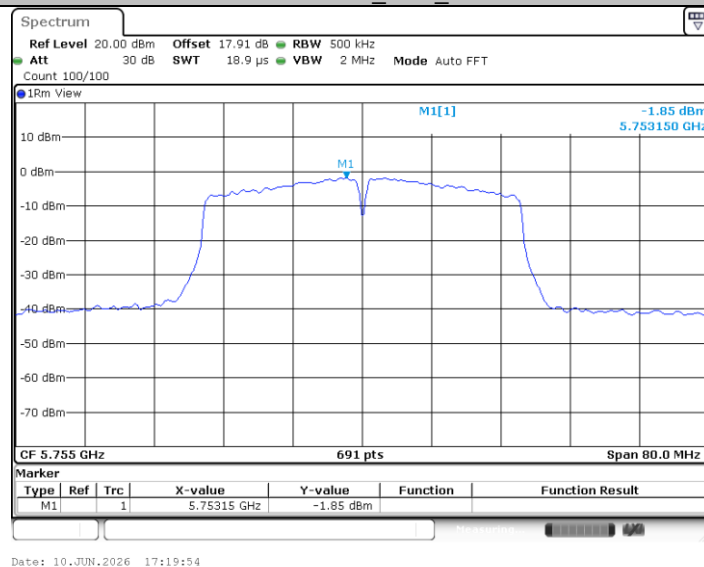
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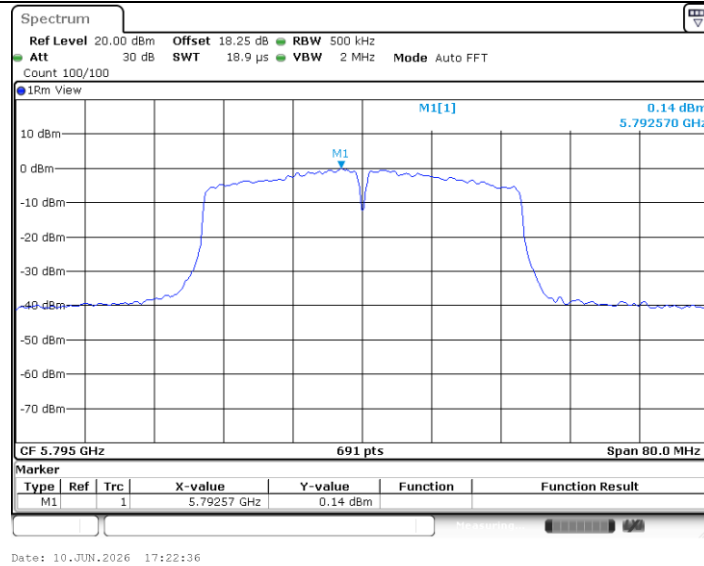
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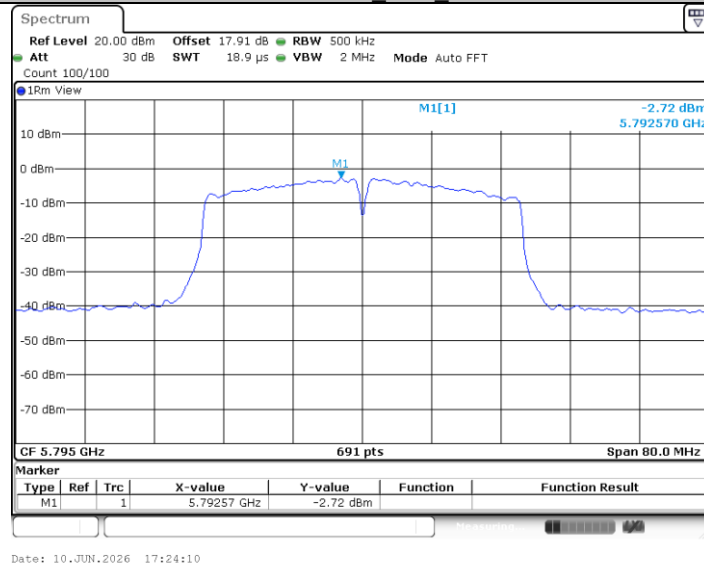
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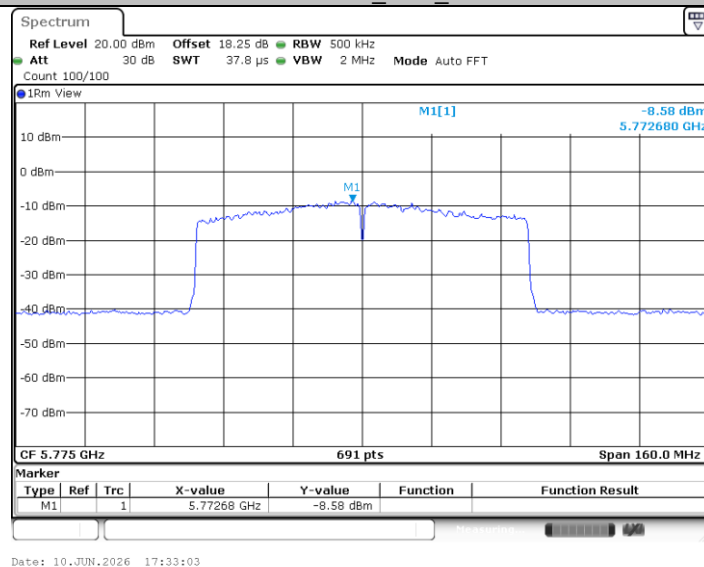
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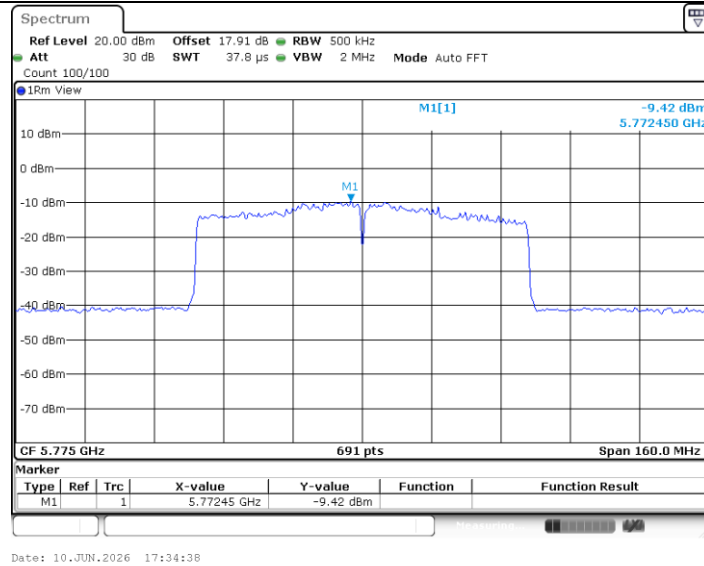
11AC40MIMO_Ant2_5795



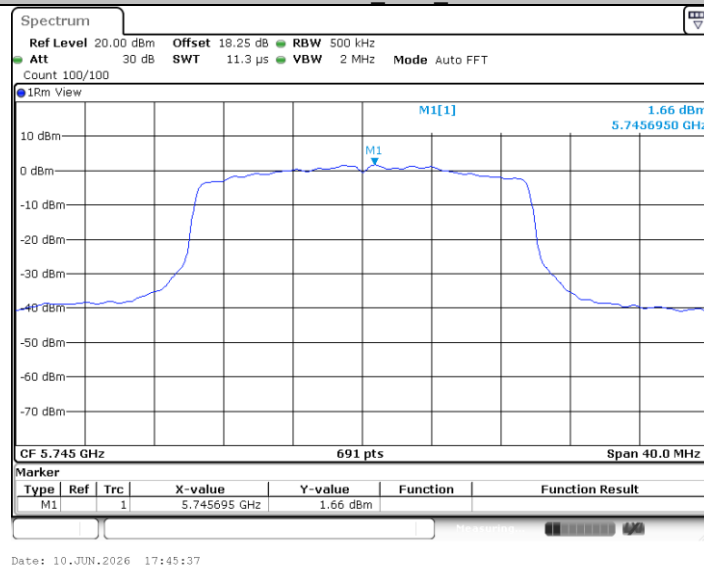
11AC80MIMO_Ant1_5775



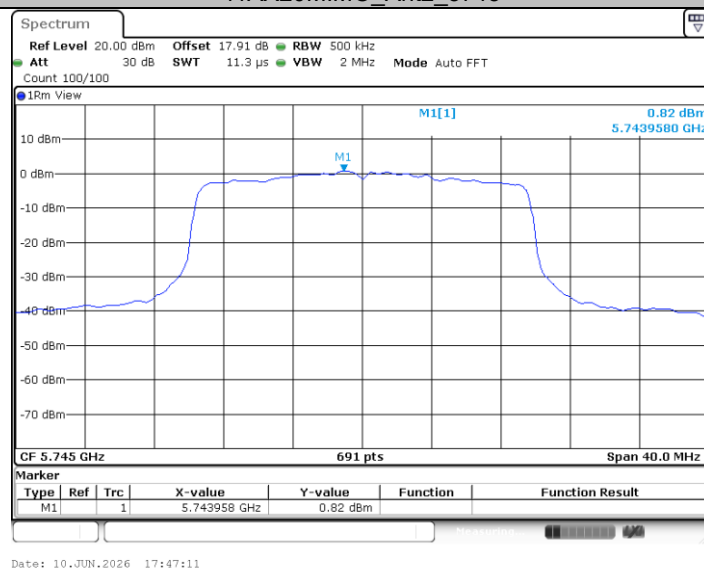
11AC80MIMO_Ant2_5775



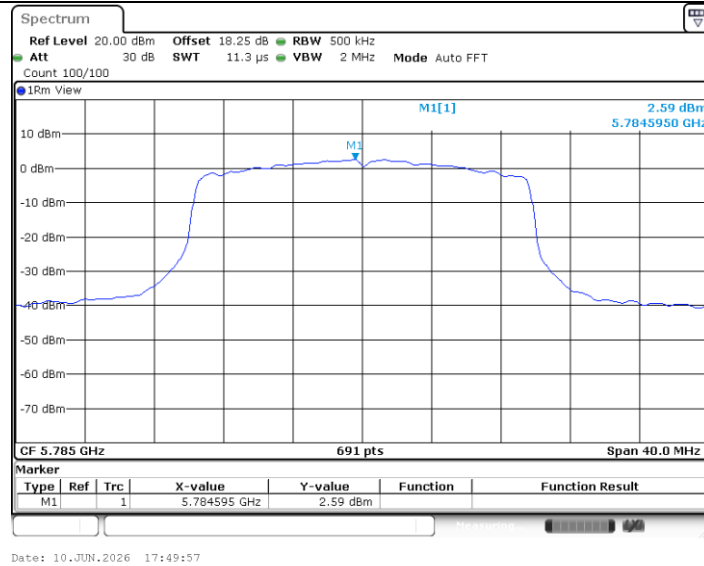
11AX20MIMO_Ant1_5745



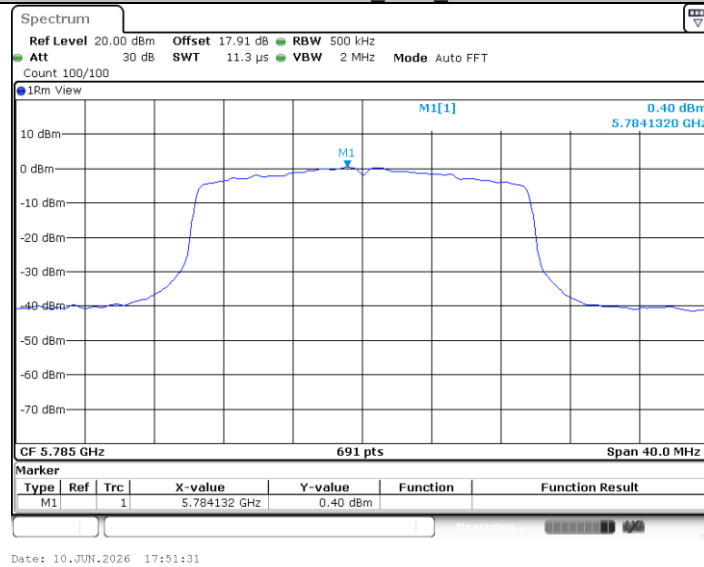
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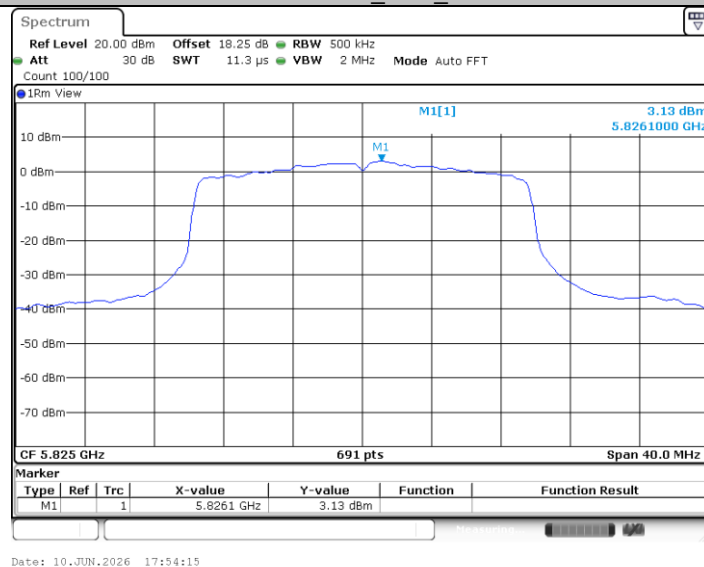
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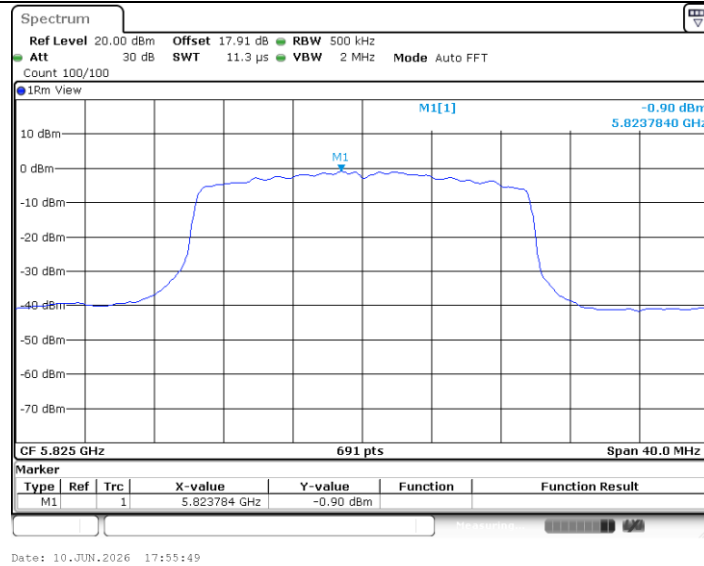
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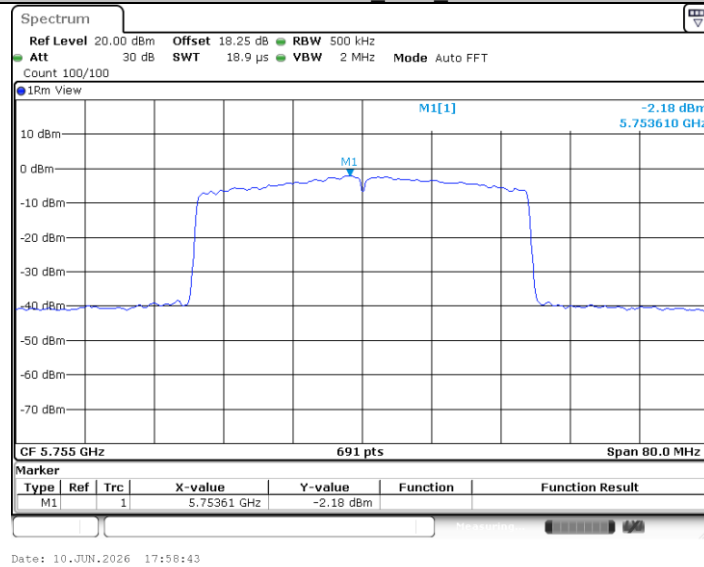
11AX20MIMO_Ant1_5825



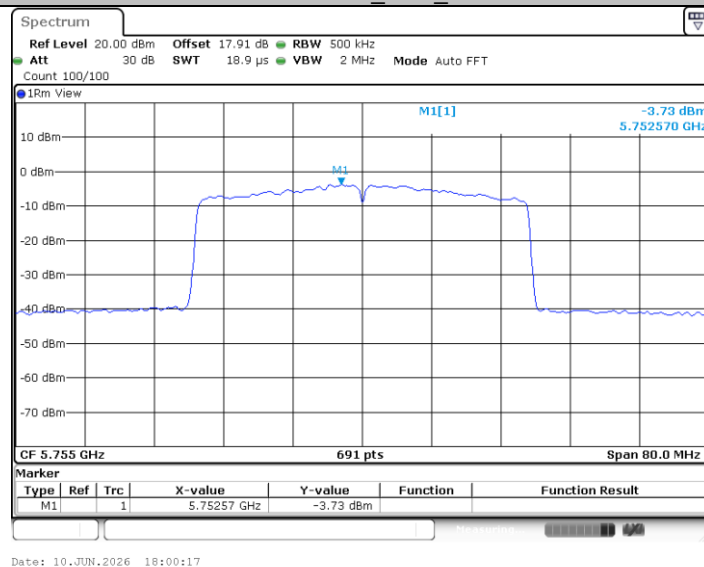
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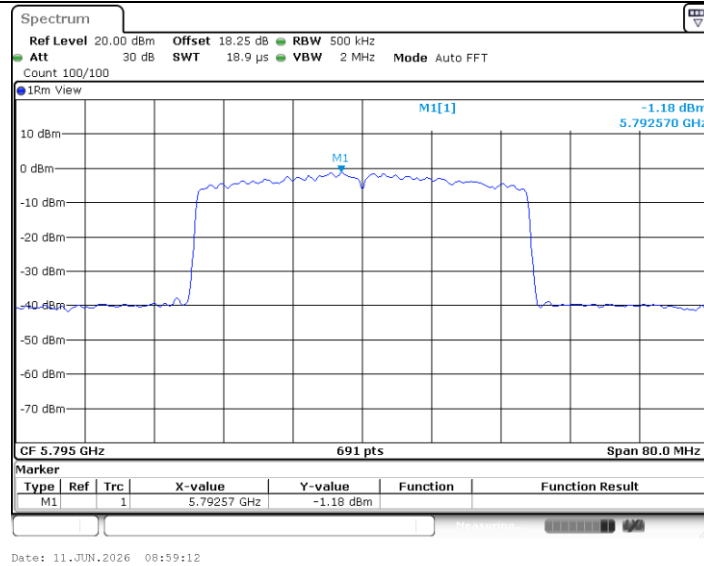
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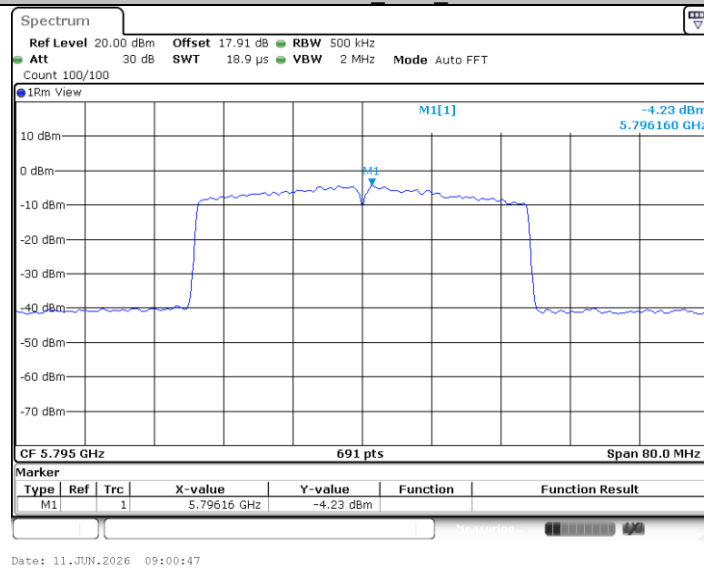
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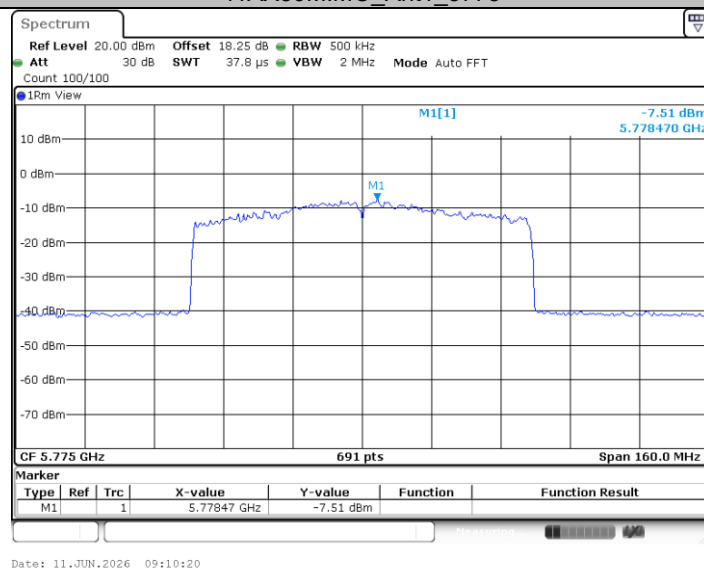
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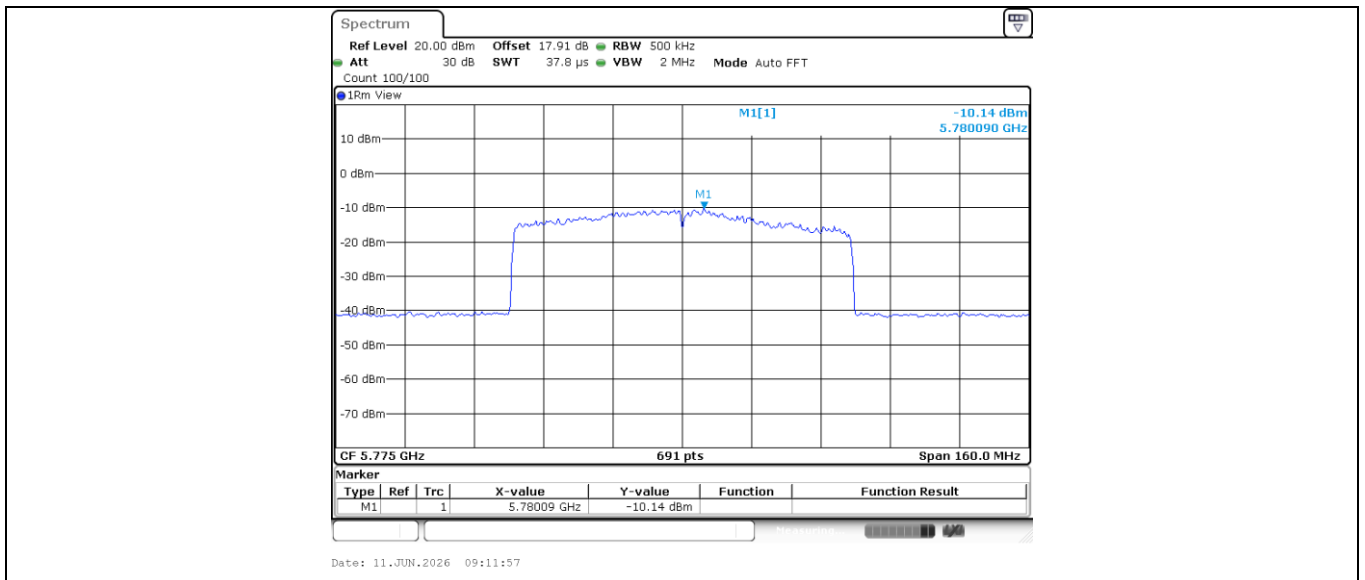
11AX40MIMO_Ant2_5795



11AX80MIMO_Ant1_5775



11AX80MIMO_Ant2_5775



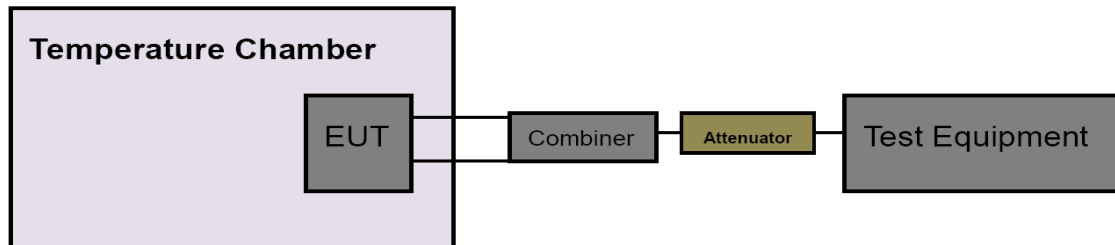
3.7. Frequency Stability

Limit

FCC CFR Title 47 Part 15 Subpart E Section 15.407(g)

Test Item	Limit	Frequency Range (MHz)
Frequency Stability	Specified in the user's manual, the transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band (IEEE 802.11n specification)	5150~5250
		5250~5350
		5500~5700
		5725~5850

Test Configuration



Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above.

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) Set analyzer center frequency to transmitting frequency.
- (3) Set the span to encompass the entire emissions bandwidth (EBW) of the signal.
- (4) Set the RBW to: 8MHz, VBW=8MHz with peak detector and max hold settings.
- (5) The test extreme voltage is to change the primary supply voltage from 10.8V to 13.2V percent of the nominal value.
- (6) Extreme temperature is 0°C~45°C

NOTE: The EUT was set to continuously transmitting in continuously un-modulation transmitting mode.

Test Mode

Please refer to the clause 2.4.

Test Result

Voltage								
TestMode	Antenna	Freq(MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AX20MIM O	Ant1	5745	NV	NT	6490.00	1.129678	20	PASS
			LV	NT	10990.00	1.912968	20	PASS
			HV	NT	12990.00	2.261097	20	PASS
	Ant2	5745	NV	NT	-1000.00	-0.174064	20	PASS
			LV	NT	-500.00	-0.087032	20	PASS
			HV	NT	-1000.00	-0.174064	20	PASS
	Ant1	5785	NV	NT	5000.00	0.864304	20	PASS
			LV	NT	11490.00	1.986171	20	PASS
			HV	NT	14990.00	2.591184	20	PASS
	Ant2	5785	NV	NT	2500.00	0.432152	20	PASS
			LV	NT	2500.00	0.432152	20	PASS
			HV	NT	4000.00	0.691443	20	PASS
	Ant1	5825	NV	NT	3500.00	0.600858	20	PASS
			LV	NT	9990.00	1.715021	20	PASS
			HV	NT	13490.00	2.315880	20	PASS
	Ant2	5825	NV	NT	9990.00	1.715021	20	PASS
			LV	NT	13490.00	2.315880	20	PASS
			HV	NT	16980.00	2.915021	20	PASS
11AX40MIM O	Ant1	5755	NV	NT	3500.00	0.608167	20	PASS
			LV	NT	7490.00	1.301477	20	PASS
			HV	NT	12490.00	2.170287	20	PASS
	Ant2	5755	NV	NT	3500.00	0.608167	20	PASS
			LV	NT	4000.00	0.695048	20	PASS
			HV	NT	11490.00	1.996525	20	PASS
	Ant1	5795	NV	NT	10990.00	1.896462	20	PASS
			LV	NT	14490.00	2.500431	20	PASS
			HV	NT	18980.00	3.275237	20	PASS
	Ant2	5795	NV	NT	2000.00	0.345125	20	PASS
			LV	NT	2500.00	0.431406	20	PASS
			HV	NT	3500.00	0.603969	20	PASS
11AX80MIM O	Ant1	5775	NV	NT	3000.00	0.519481	20	PASS
			LV	NT	1500.00	0.259740	20	PASS
			HV	NT	1500.00	0.259740	20	PASS
	Ant2	5775	NV	NT	3500.00	0.606061	20	PASS
			LV	NT	4000.00	0.692641	20	PASS
			HV	NT	10490.00	1.816450	20	PASS

Temperature								
TestMode	Antenna	Freq(MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AX20MIM O	Ant1	5745	NV	0	14990.00	2.609225	20	PASS
			NV	10	16480.00	2.868581	20	PASS
			NV	20	18480.00	3.216710	20	PASS
			NV	30	20980.00	3.651871	20	PASS
			NV	40	23480.00	4.087032	20	PASS
			NV	45	25470.00	4.433420	20	PASS
	Ant2	5745	NV	0	1500.00	0.261097	20	PASS
			NV	10	7990.00	1.390775	20	PASS
			NV	20	10490.00	1.825936	20	PASS
			NV	30	13490.00	2.348129	20	PASS
			NV	40	17480.00	3.042646	20	PASS
			NV	45	20980.00	3.651871	20	PASS
	Ant1	5785	NV	0	18980.00	3.280899	20	PASS
			NV	10	23480.00	4.058773	20	PASS
			NV	20	28470.00	4.921348	20	PASS
			NV	30	33970.00	5.872083	20	PASS
			NV	40	39460.00	6.821089	20	PASS
			NV	45	44960.00	7.771824	20	PASS
	Ant2	5785	NV	0	10990.00	1.899741	20	PASS

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TRF No: CTC-TR-062_A5

Master TRF : Dated 2026-06-01

			NV	10	13990.00	2.418323	20	PASS
			NV	20	17980.00	3.108038	20	PASS
			NV	30	22480.00	3.885912	20	PASS
			NV	40	26970.00	4.662057	20	PASS
			NV	45	32470.00	5.612792	20	PASS
	Ant1	5825	NV	0	16980.00	2.915021	20	PASS
			NV	10	21480.00	3.687554	20	PASS
			NV	20	25970.00	4.458369	20	PASS
			NV	30	31470.00	5.402575	20	PASS
			NV	40	36960.00	6.345064	20	PASS
	Ant2	5825	NV	45	42460.00	7.289270	20	PASS
			NV	0	21480.00	3.687554	20	PASS
			NV	10	26470.00	4.544206	20	PASS
			NV	20	31970.00	5.488412	20	PASS
			NV	30	37460.00	6.430901	20	PASS
11AX40MIM O	Ant1	5755	NV	40	43460.00	7.460944	20	PASS
			NV	45	48950.00	8.403433	20	PASS
			NV	0	15480.00	2.689835	20	PASS
			NV	10	20480.00	3.558645	20	PASS
			NV	20	24980.00	4.340573	20	PASS
	Ant2	5755	NV	30	30470.00	5.294526	20	PASS
			NV	40	35960.00	6.248480	20	PASS
			NV	45	41960.00	7.291051	20	PASS
			NV	0	13990.00	2.430930	20	PASS
			NV	10	17980.00	3.124240	20	PASS
	Ant1	5795	NV	20	22980.00	3.993050	20	PASS
			NV	30	27970.00	4.860122	20	PASS
			NV	40	33470.00	5.815812	20	PASS
			NV	45	38960.00	6.769765	20	PASS
			NV	0	23480.00	4.051769	20	PASS
11AX80MIM O	Ant2	5795	NV	10	28970.00	4.999137	20	PASS
			NV	20	34970.00	6.034513	20	PASS
			NV	30	39960.00	6.895600	20	PASS
			NV	40	46450.00	8.015531	20	PASS
			NV	45	52450.00	9.050906	20	PASS
	Ant1	5775	NV	0	10990.00	1.896462	20	PASS
			NV	10	13490.00	2.327869	20	PASS
			NV	20	17480.00	3.016393	20	PASS
			NV	30	21980.00	3.792925	20	PASS
			NV	40	26970.00	4.654012	20	PASS
	Ant2	5775	NV	45	31970.00	5.516825	20	PASS
			NV	0	2000.00	0.346320	20	PASS
			NV	10	4000.00	0.692641	20	PASS
			NV	20	10990.00	1.903030	20	PASS
			NV	30	13490.00	2.335931	20	PASS
	Ant1	5775	NV	40	16980.00	2.940260	20	PASS
			NV	45	20980.00	3.632900	20	PASS
			NV	0	13490.00	2.335931	20	PASS
			NV	10	16980.00	2.940260	20	PASS
			NV	20	20980.00	3.632900	20	PASS
	Ant2	5775	NV	30	24980.00	4.325541	20	PASS
			NV	40	29970.00	5.189610	20	PASS
			NV	45	34970.00	6.055411	20	PASS

3.8. Antenna Requirement

Requirement

FCC CFR Title 47 Part 15 Subpart C Section 15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Test Result

Pass.

The transmitter employs an external antenna installed inside the host device. No standard antenna connector is provided. Therefore, the antenna configuration complies with the requirements of FCC §15.203

The directional gain of the antenna is greater than 6dBi, please refer to the EUT internal photographs antenna photo.

*****THE END OF REPORT*****