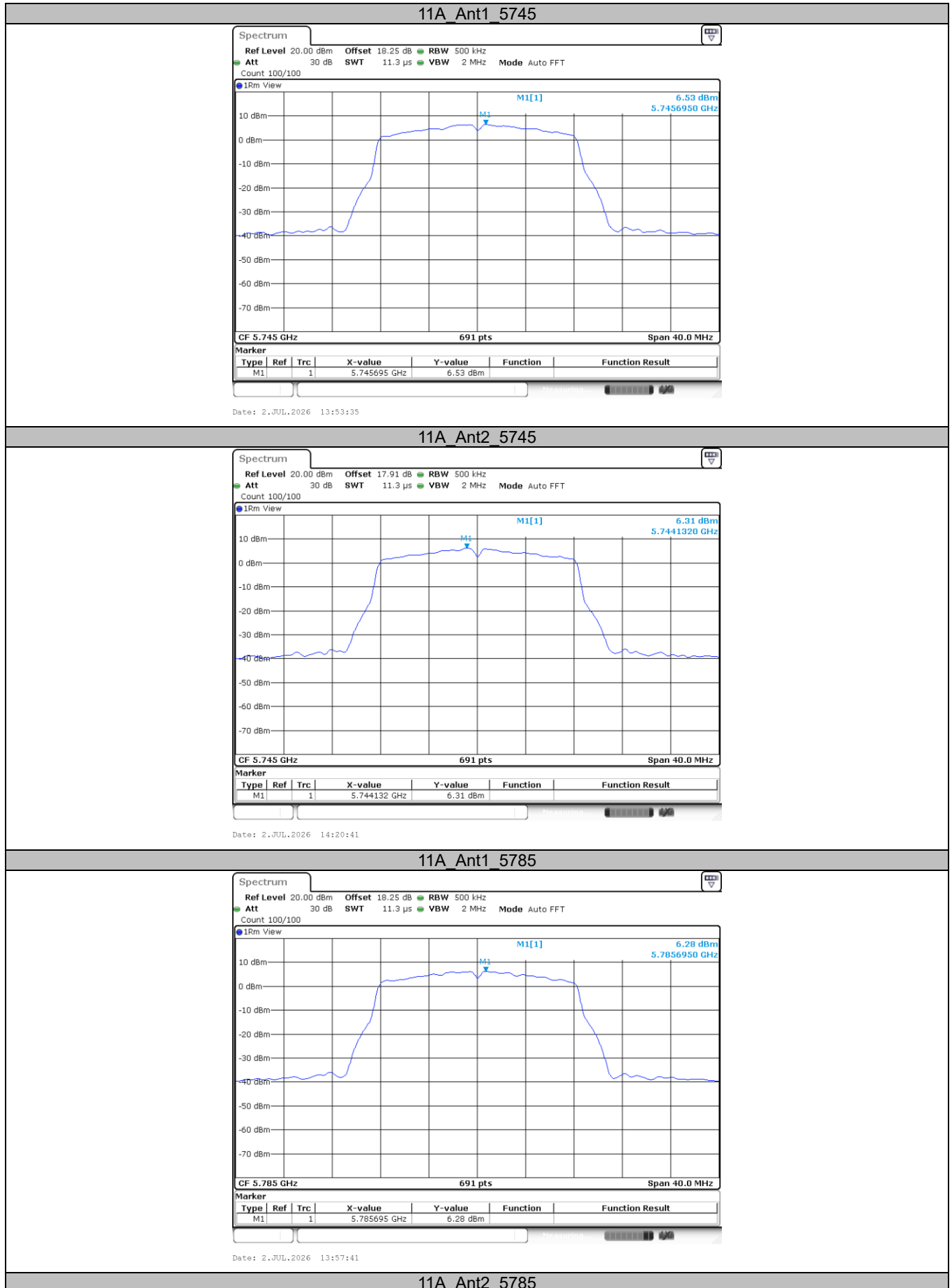


Test Graphs:



CTC Laboratories, Inc.

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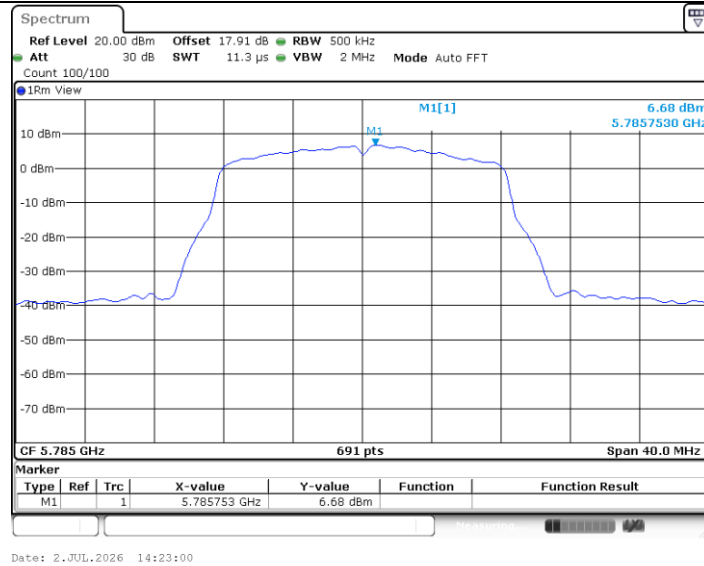
Tel.: (86)755-27521059

Fax: (86)755-27521011

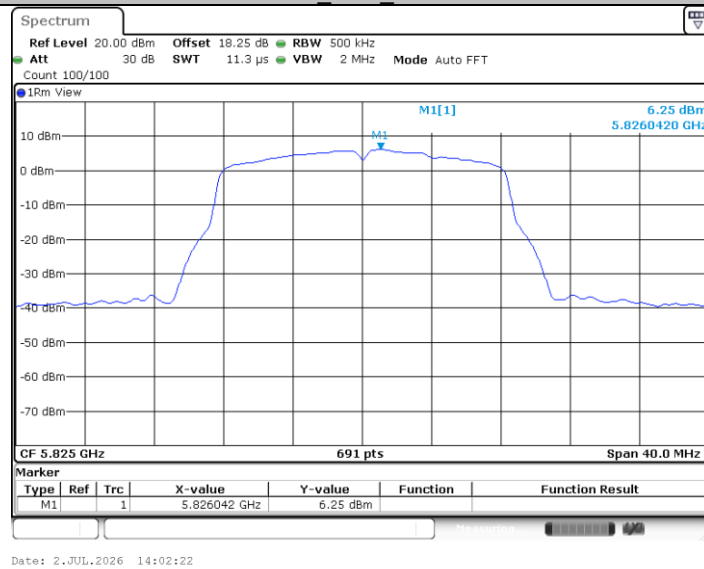
Http://www.sz-ctc.org.cn

TRF No: CTC-TR-062_A5

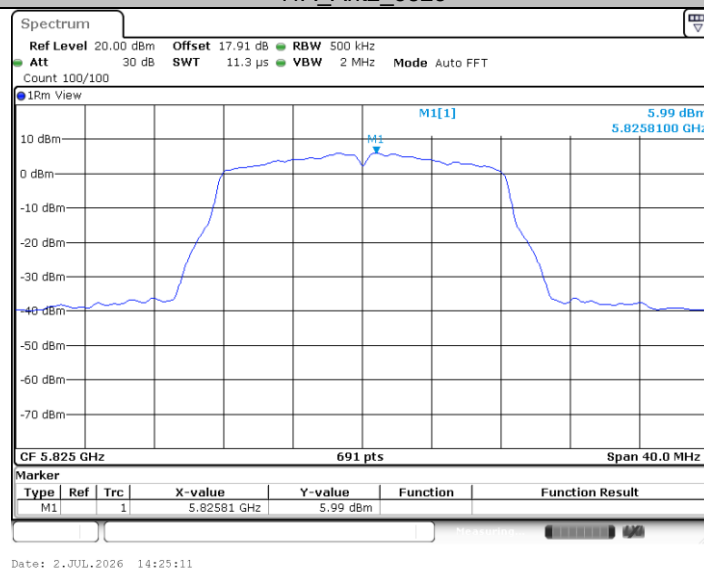
Master TRF : Dated 2026-06-01



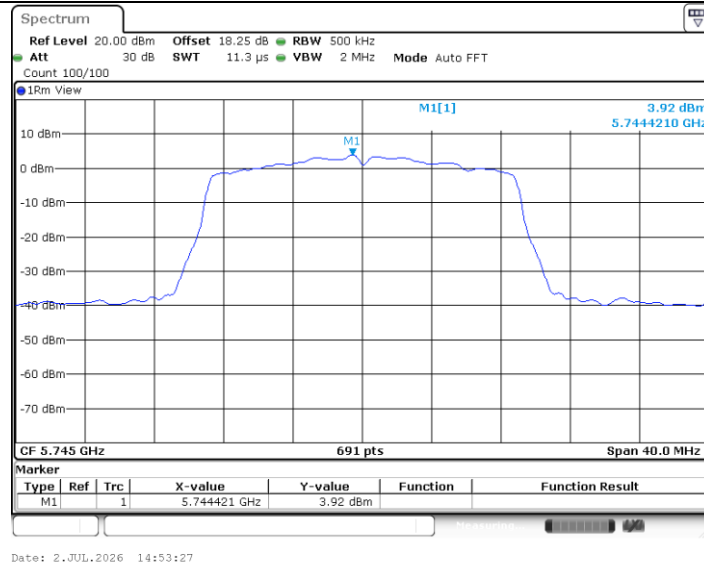
11A_Ant1_5825



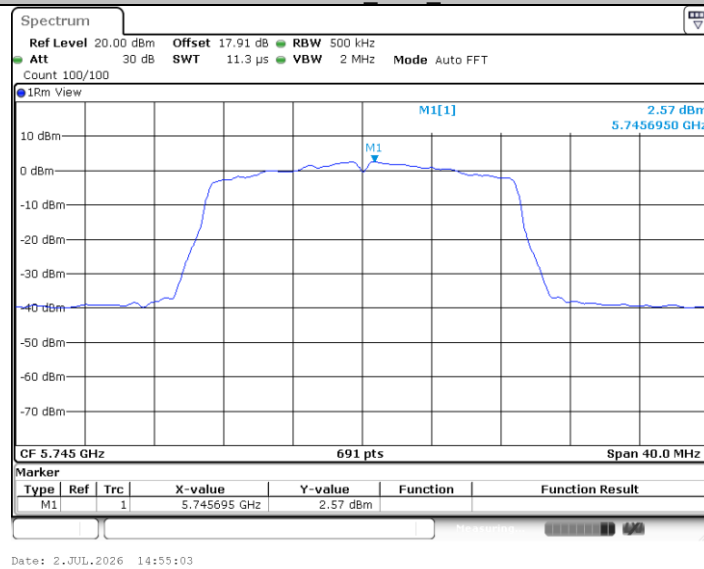
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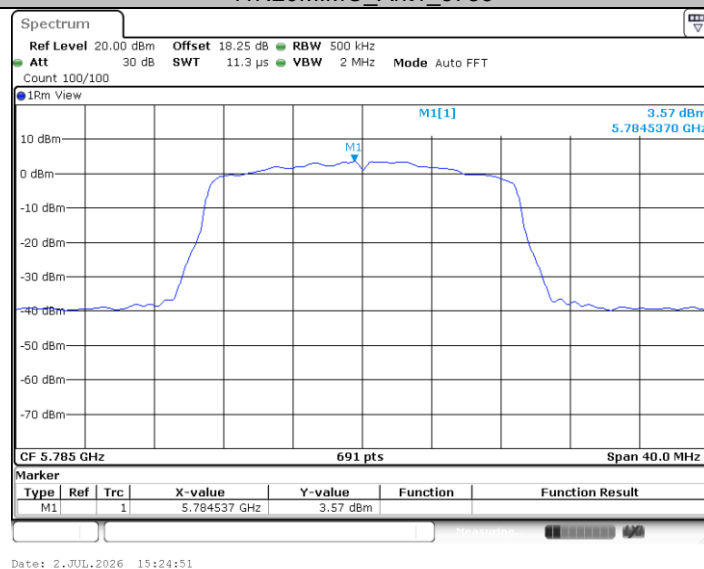
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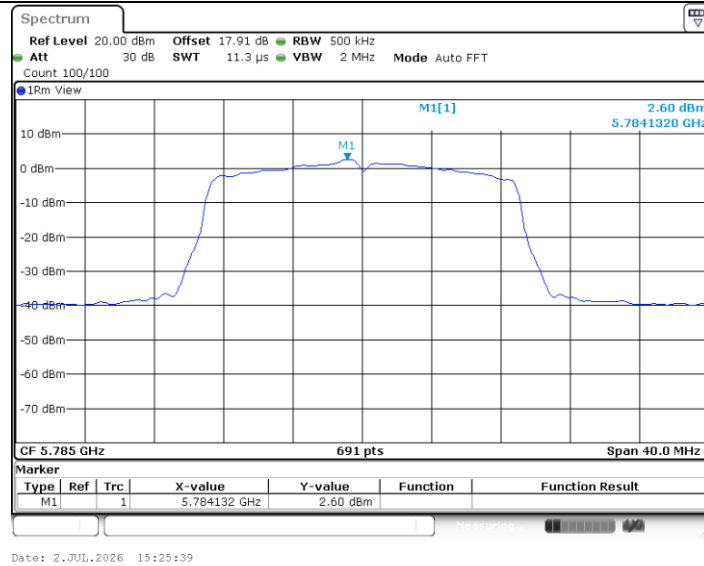
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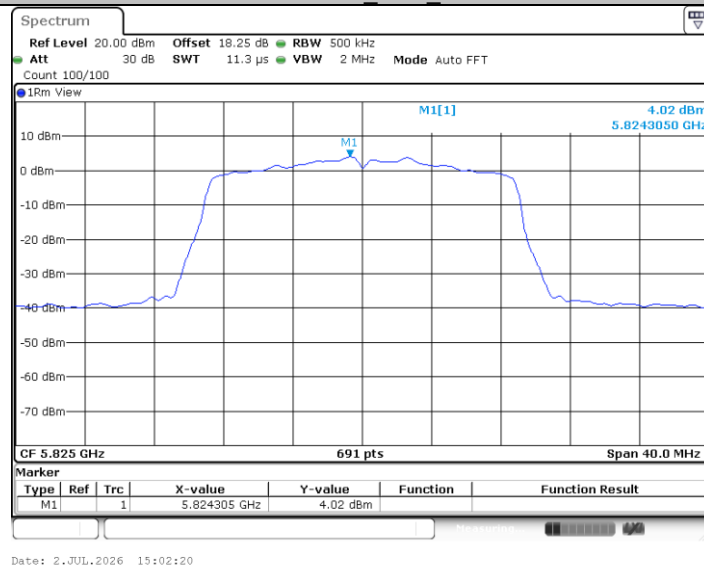
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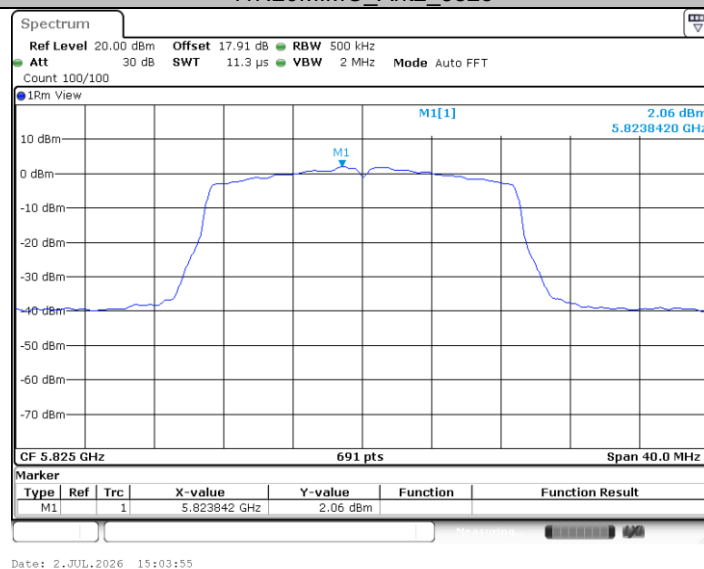
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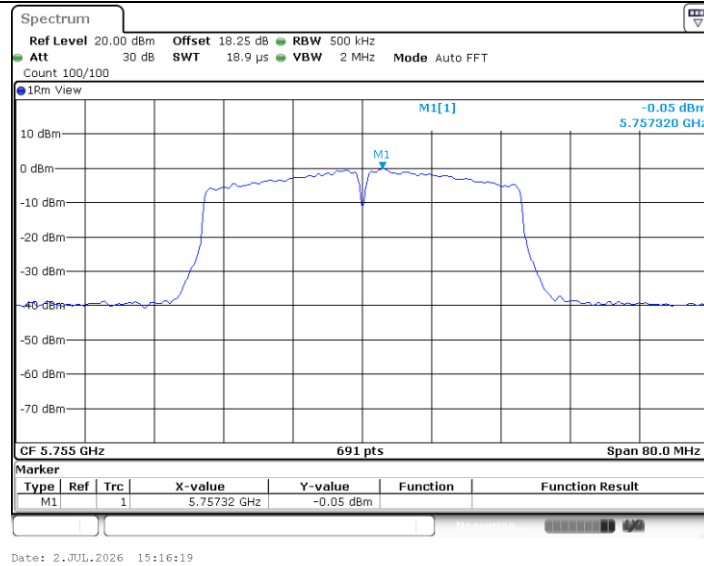
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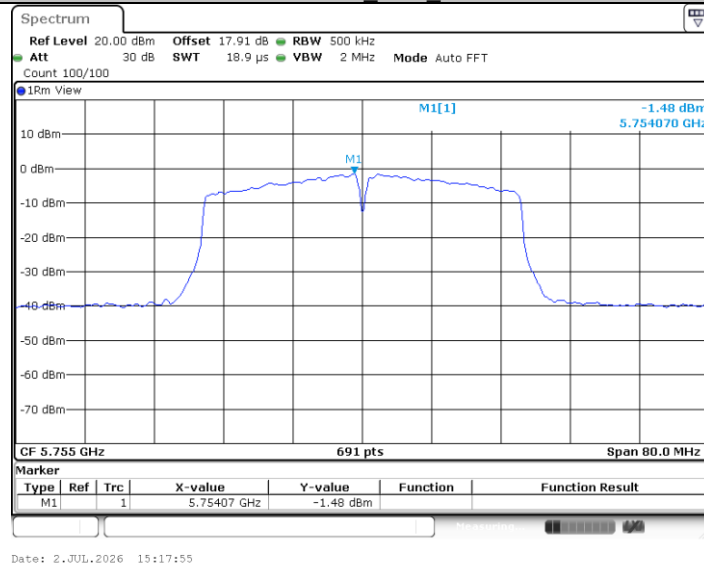
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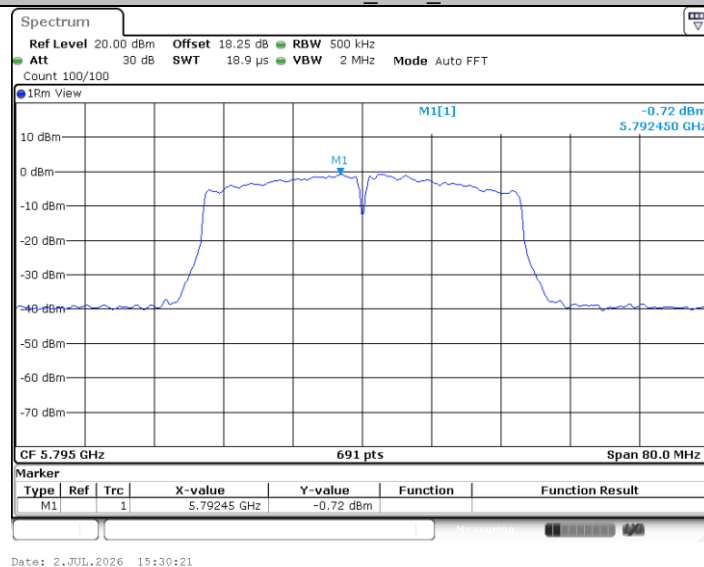
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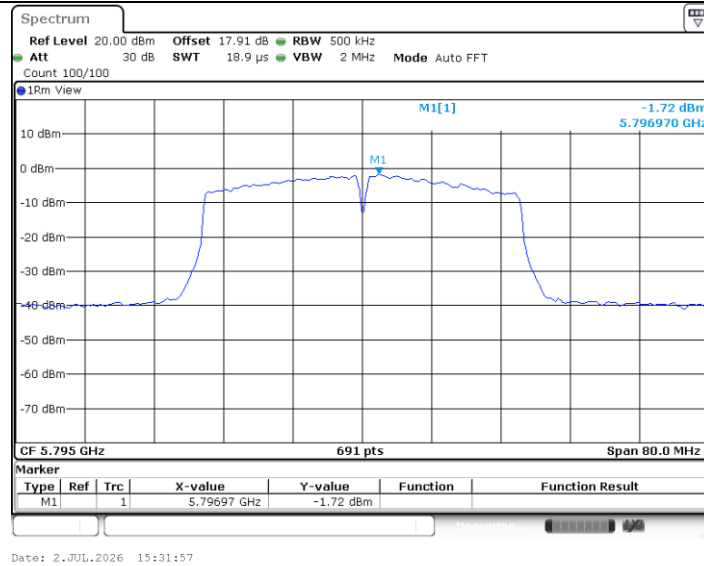
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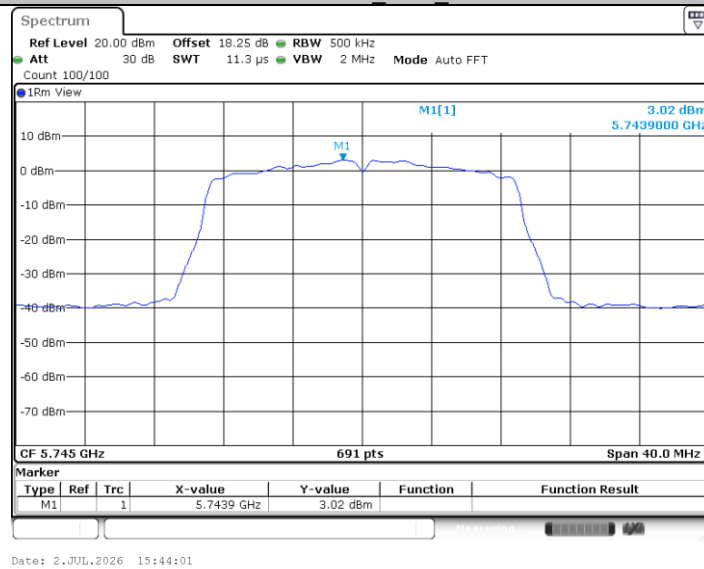
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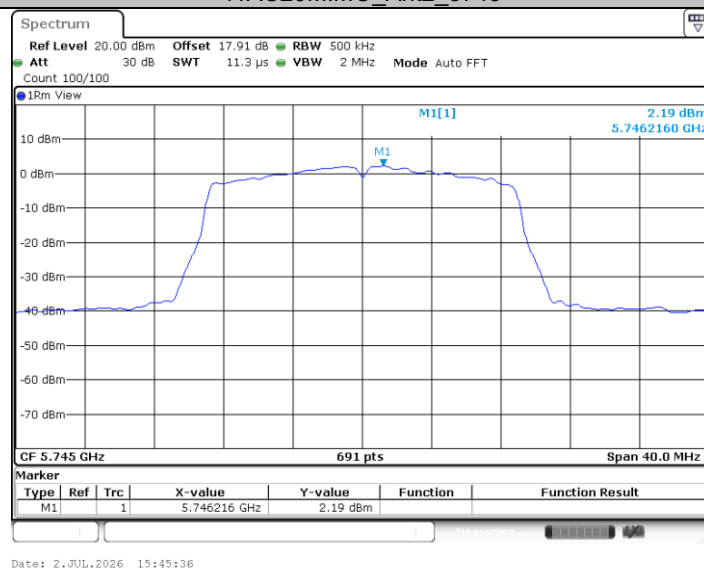
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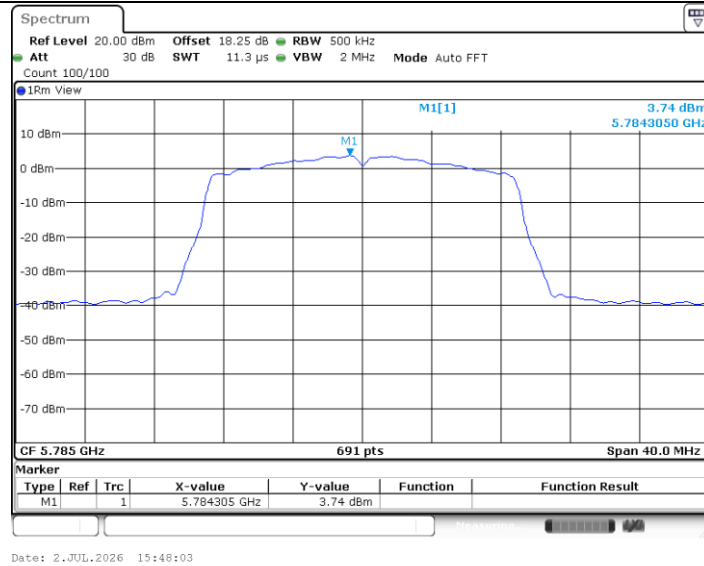
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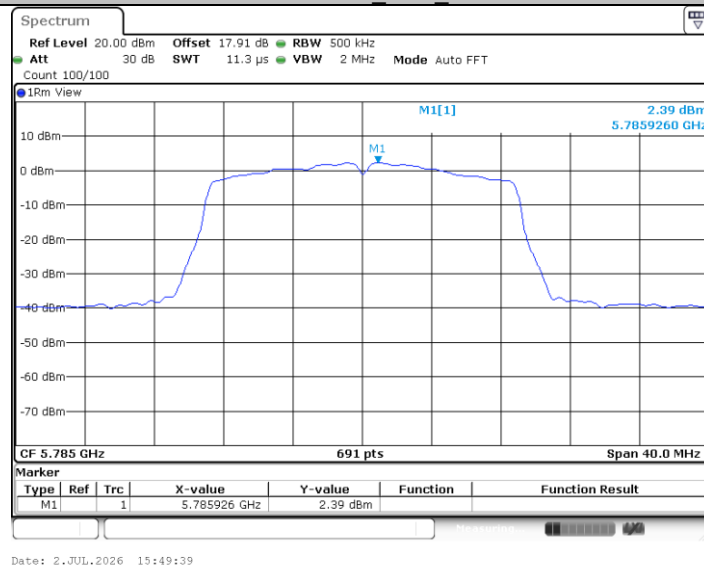
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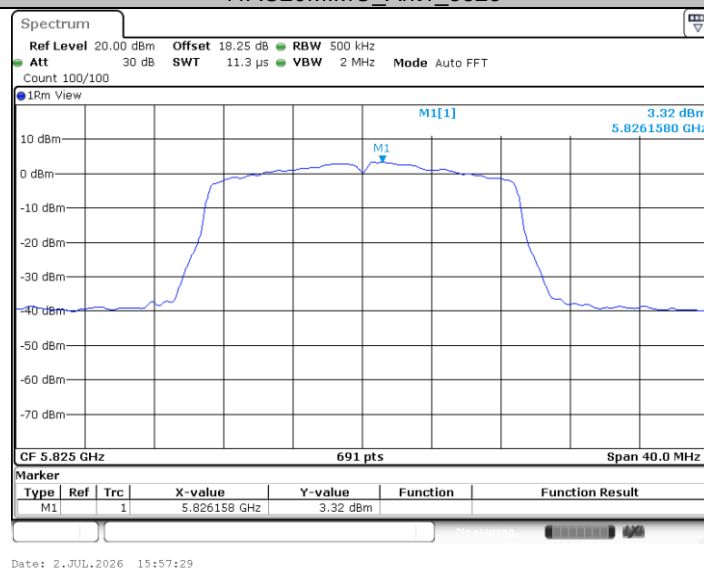
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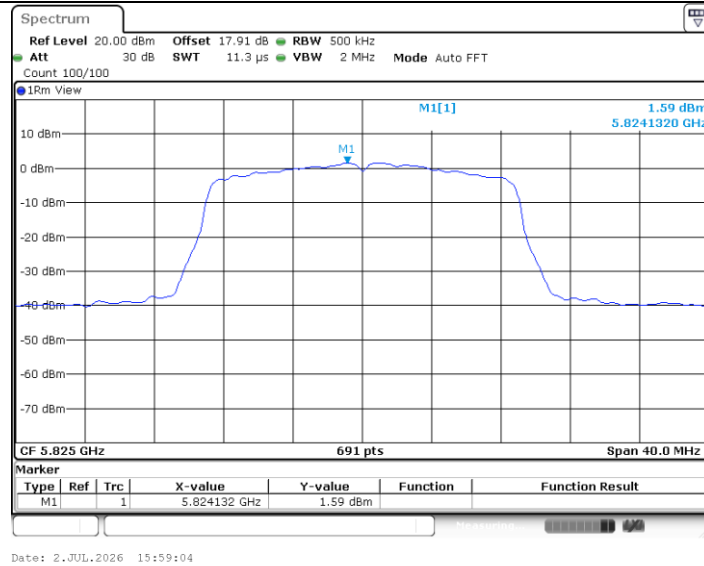
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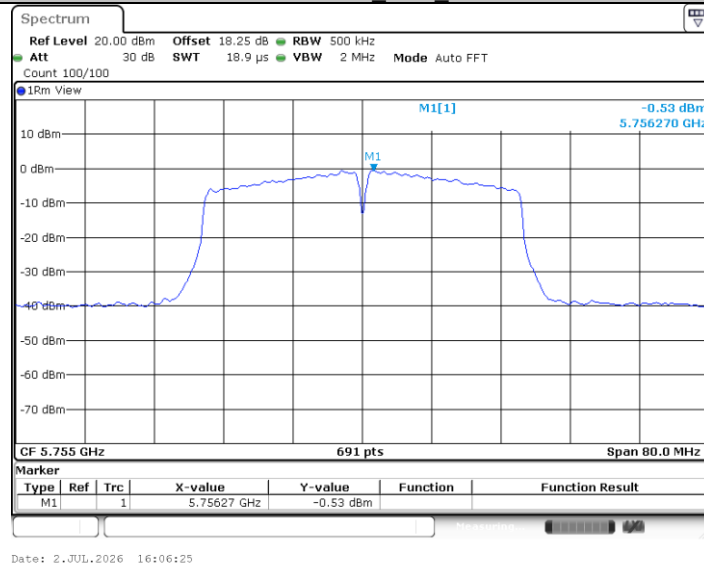
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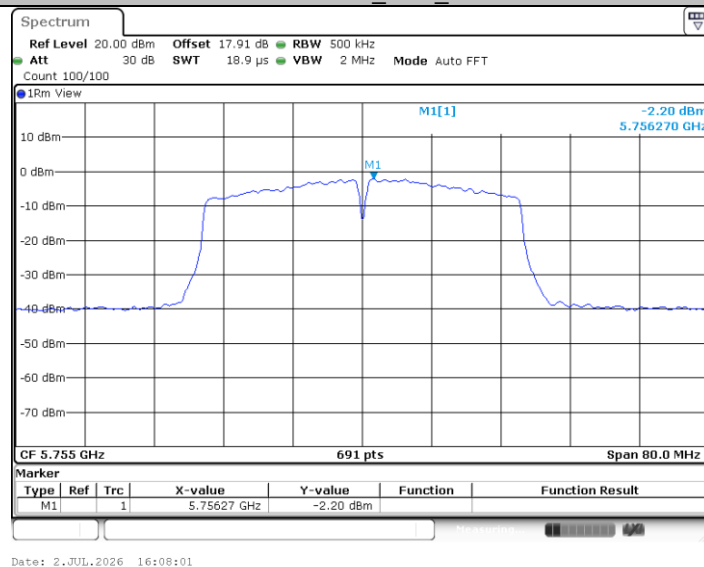
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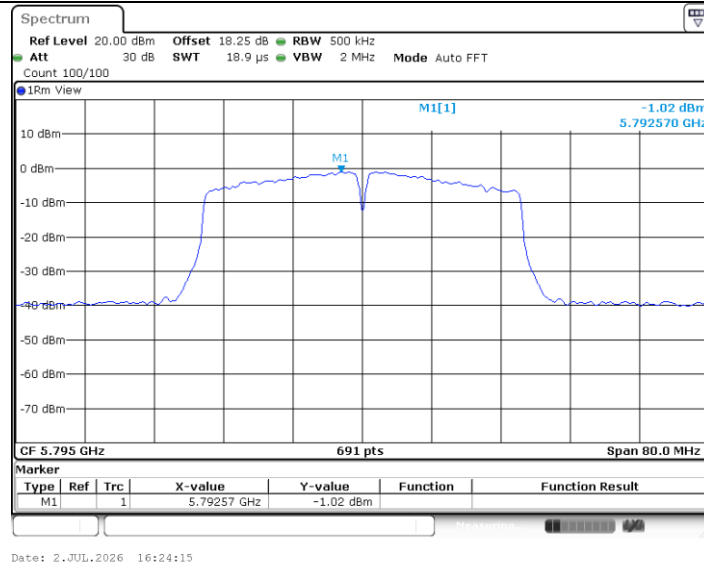
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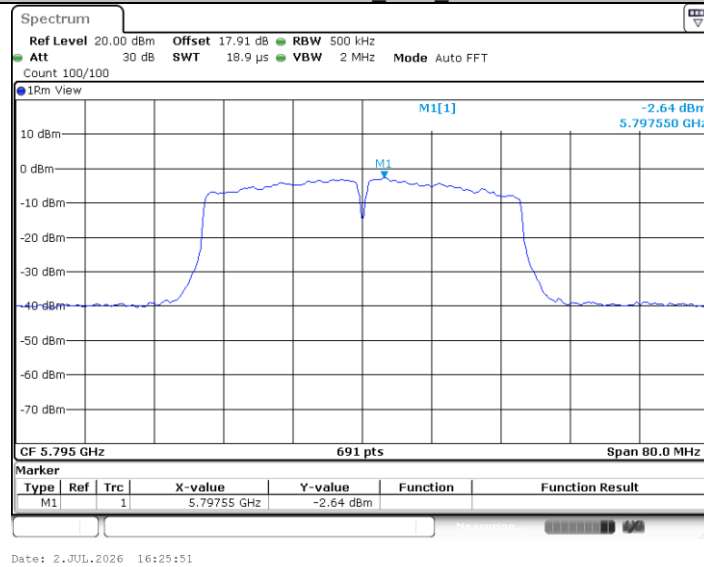
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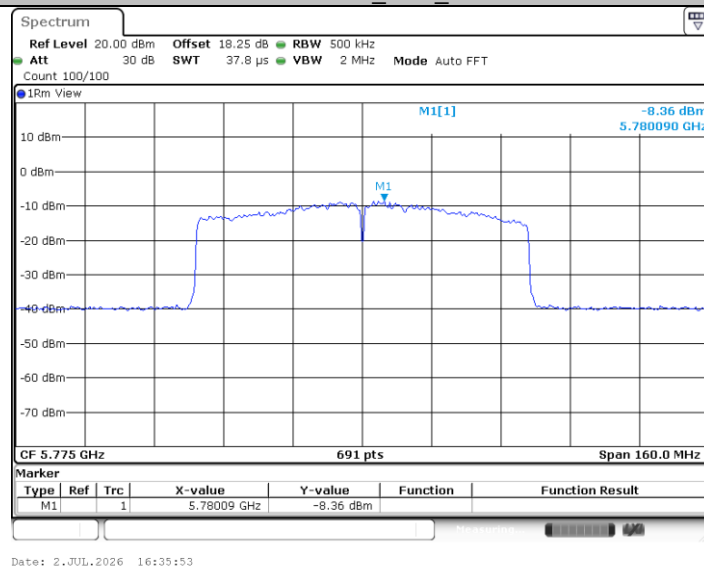
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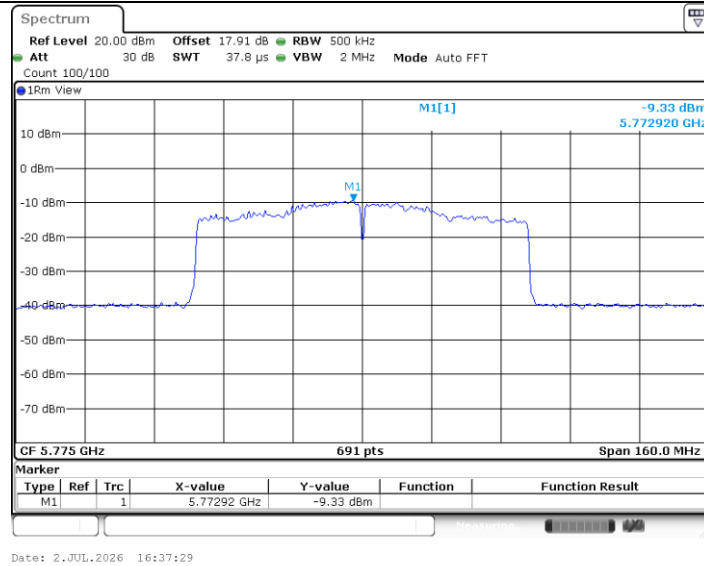
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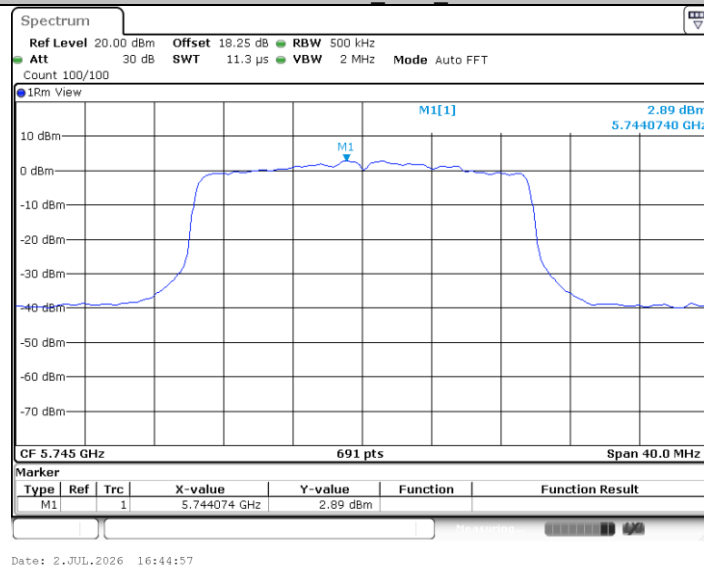
11AC80MIMO_Ant1_5775



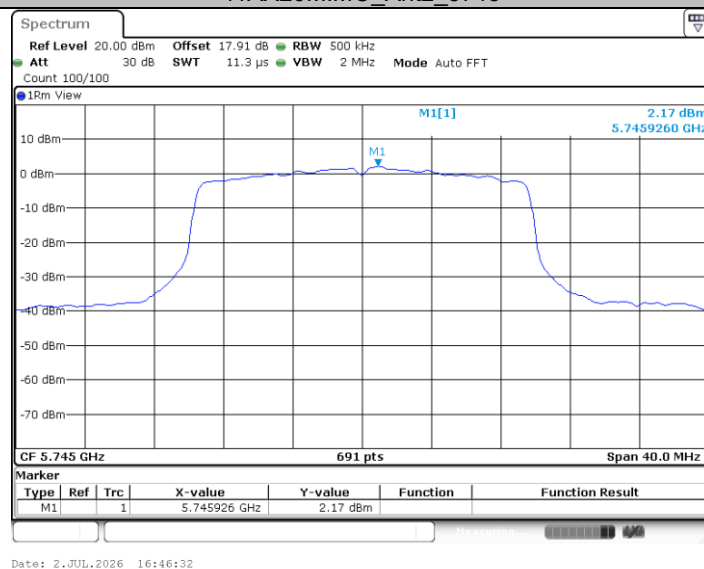
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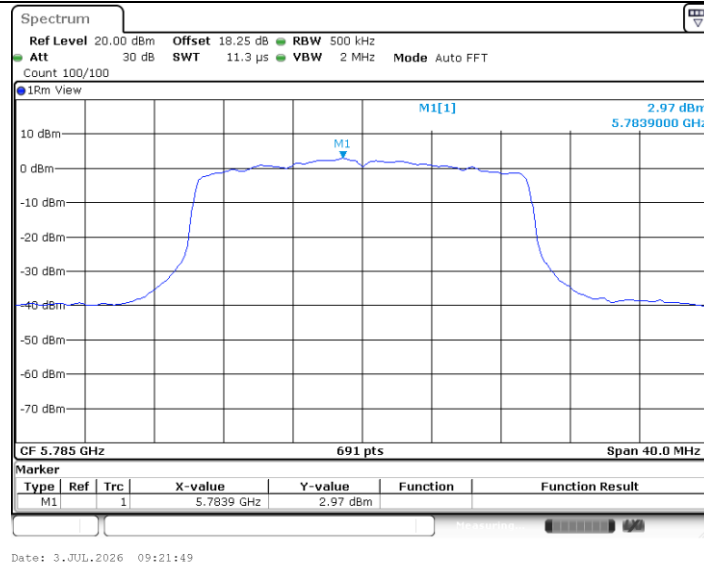
11AX20MIMO_Ant1_5745



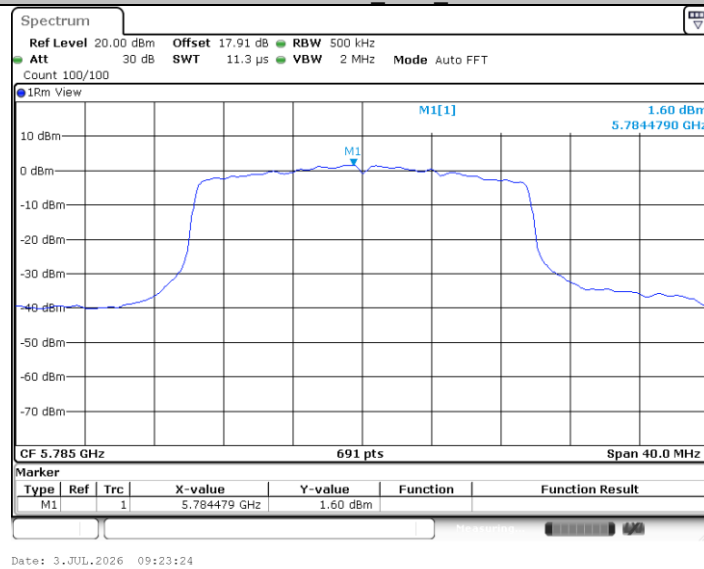
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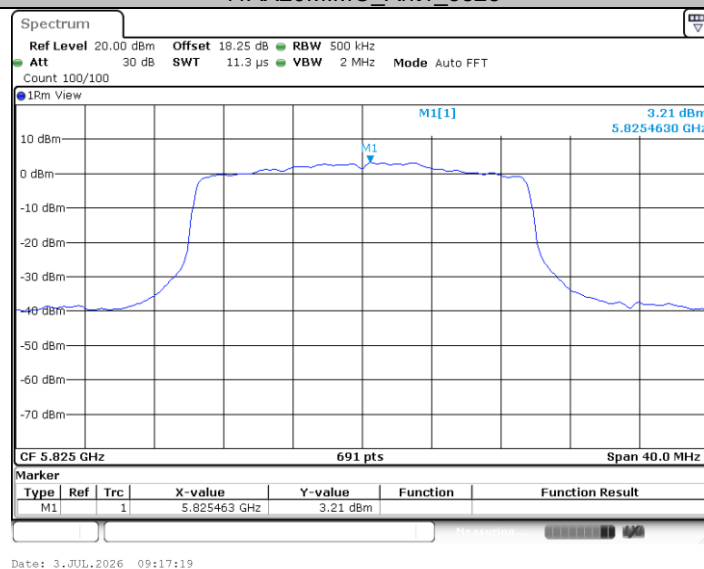
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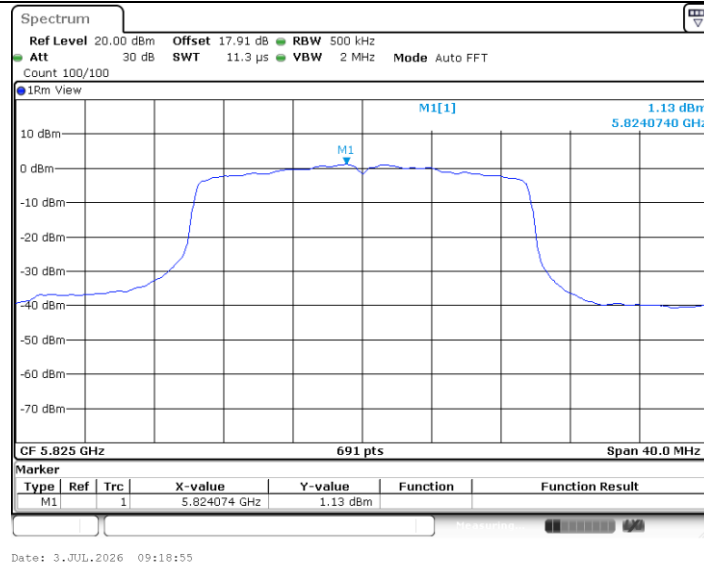
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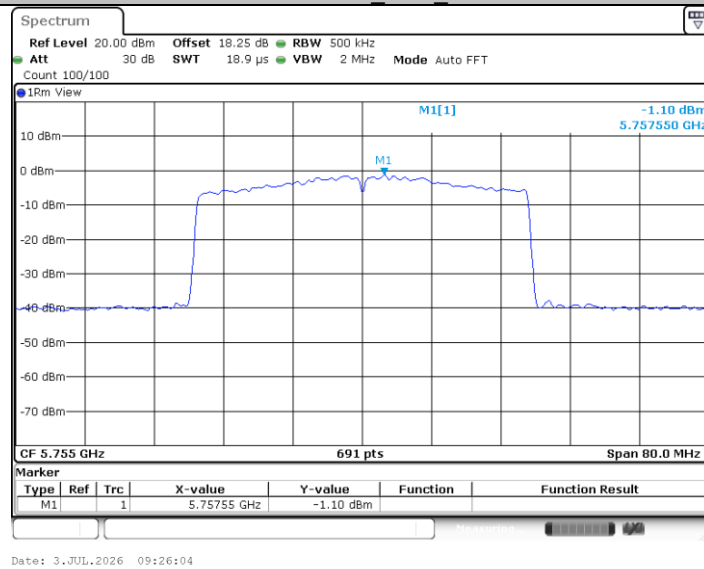
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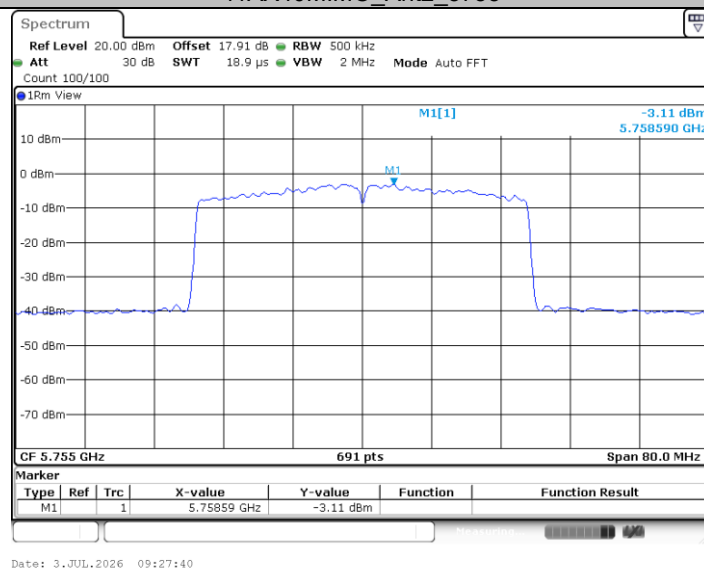
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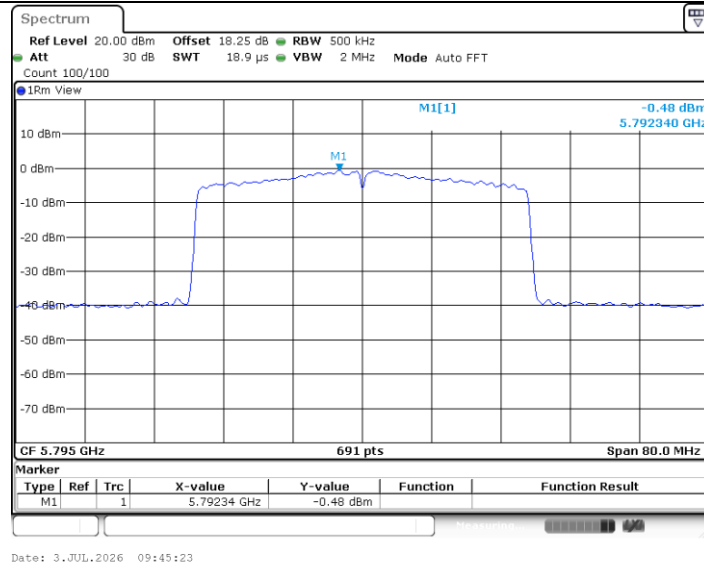
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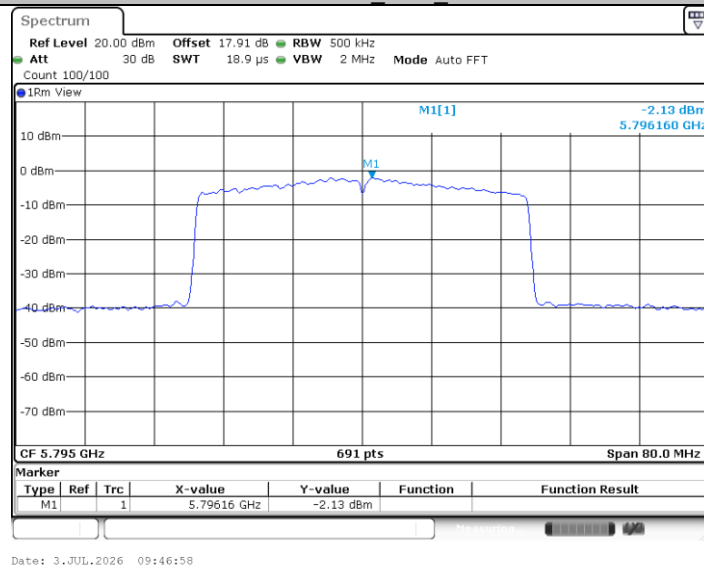
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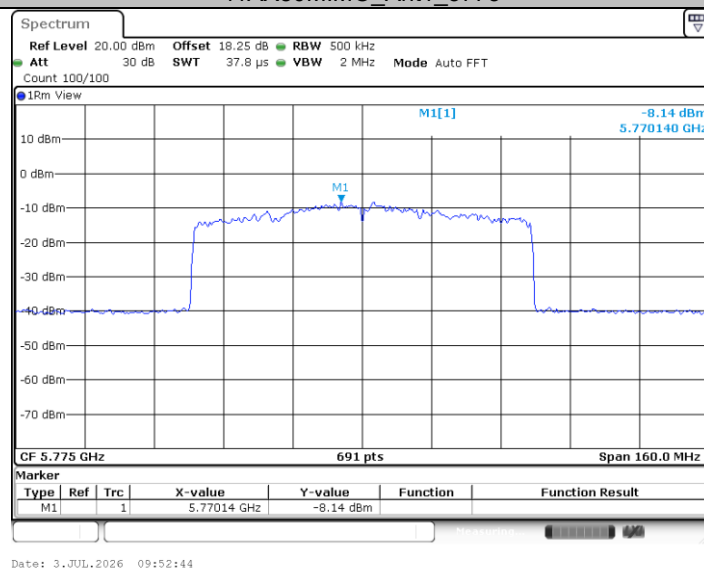
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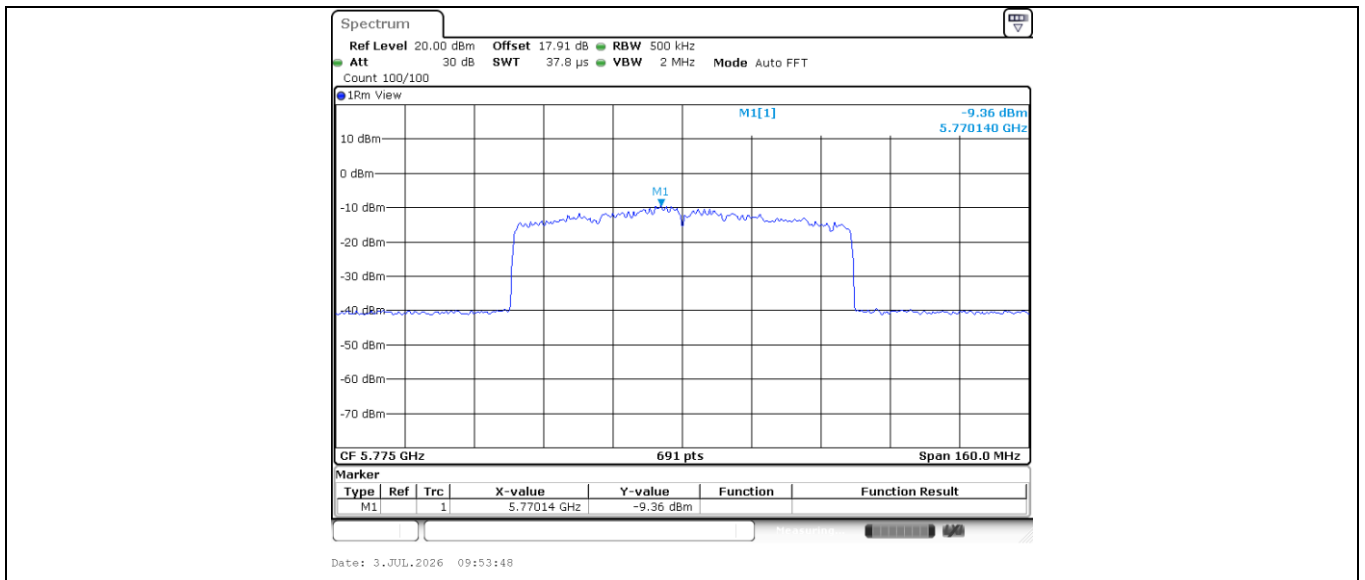
11AX40MIMO_Ant2_5795



11AX80MIMO_Ant1_5775



11AX80MIMO_Ant2_5775



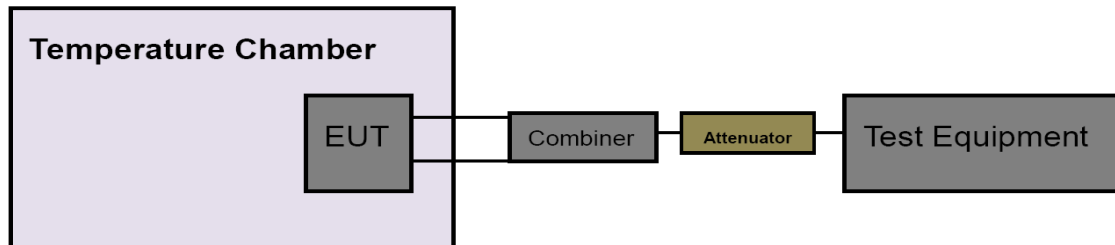
3.7. Frequency Stability

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	23980.00	4.174064	20	PASS
			LV	NT	22480.00	3.912968	20	PASS
			HV	NT	21480.00	3.738903	20	PASS
	Ant2	5745	NV	NT	17480.00	3.042646	20	PASS
			LV	NT	16980.00	2.955614	20	PASS
			HV	NT	16980.00	2.955614	20	PASS
	Ant1	5785	NV	NT	18480.00	3.194468	20	PASS
			LV	NT	17980.00	3.108038	20	PASS
			HV	NT	17480.00	3.021608	20	PASS
	Ant2	5785	NV	NT	17980.00	3.108038	20	PASS
			LV	NT	17480.00	3.021608	20	PASS
			HV	NT	17480.00	3.021608	20	PASS
	Ant1	5825	NV	NT	23480.00	4.030901	20	PASS
			LV	NT	22480.00	3.859227	20	PASS
			HV	NT	21480.00	3.687554	20	PASS
	Ant2	5825	NV	NT	18480.00	3.172532	20	PASS
			LV	NT	18480.00	3.172532	20	PASS
			HV	NT	18480.00	3.172532	20	PASS
11AX40MIM O	Ant1	5755	NV	NT	21480.00	3.732407	20	PASS
			LV	NT	19980.00	3.471764	20	PASS
			HV	NT	18980.00	3.298002	20	PASS
	Ant2	5755	NV	NT	17480.00	3.037359	20	PASS
			LV	NT	16980.00	2.950478	20	PASS
			HV	NT	16980.00	2.950478	20	PASS
	Ant1	5795	NV	NT	20480.00	3.534081	20	PASS
			LV	NT	20480.00	3.534081	20	PASS
			HV	NT	20480.00	3.534081	20	PASS
	Ant2	5795	NV	NT	33970.00	5.861950	20	PASS
			LV	NT	28970.00	4.999137	20	PASS
			HV	NT	26470.00	4.567731	20	PASS
11AX80MIM O	Ant1	5775	NV	NT	23480.00	4.065801	20	PASS
			LV	NT	21980.00	3.806061	20	PASS
			HV	NT	21480.00	3.719481	20	PASS
	Ant2	5775	NV	NT	19480.00	3.373160	20	PASS
			LV	NT	19980.00	3.459740	20	PASS
			HV	NT	19480.00	3.373160	20	PASS

Temperature								
TestMode	Antenna	Freq(MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AX20MIM O	Ant1	5745	NV	0	20980.00	3.651871	20	PASS
			NV	10	19980.00	3.477807	20	PASS
			NV	20	19480.00	3.390775	20	PASS
			NV	30	18980.00	3.303742	20	PASS
			NV	40	17980.00	3.129678	20	PASS
			NV	45	17980.00	3.129678	20	PASS
	Ant2	5745	NV	0	16480.00	2.868581	20	PASS
			NV	10	16480.00	2.868581	20	PASS
			NV	20	16480.00	2.868581	20	PASS
			NV	30	15980.00	2.781549	20	PASS
			NV	40	15980.00	2.781549	20	PASS
			NV	45	15980.00	2.781549	20	PASS
	Ant1	5785	NV	0	17480.00	3.021608	20	PASS
			NV	10	17480.00	3.021608	20	PASS
			NV	20	17480.00	3.021608	20	PASS
			NV	30	16980.00	2.935177	20	PASS
			NV	40	16980.00	2.935177	20	PASS
			NV	45	16980.00	2.935177	20	PASS
	Ant2	5785	NV	0	17480.00	3.021608	20	PASS

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			NV	10	17480.00	3.021608	20	PASS
			NV	20	17480.00	3.021608	20	PASS
			NV	30	17480.00	3.021608	20	PASS
			NV	40	17480.00	3.021608	20	PASS
			NV	45	17480.00	3.021608	20	PASS
	Ant1	5825	NV	0	20980.00	3.601717	20	PASS
			NV	10	19980.00	3.430043	20	PASS
			NV	20	19480.00	3.344206	20	PASS
			NV	30	19480.00	3.344206	20	PASS
			NV	40	18980.00	3.258369	20	PASS
	Ant2	5825	NV	45	18480.00	3.172532	20	PASS
			NV	0	18480.00	3.172532	20	PASS
			NV	10	17980.00	3.086695	20	PASS
			NV	20	17980.00	3.086695	20	PASS
			NV	30	18480.00	3.172532	20	PASS
11AX40MIM O	Ant1	5755	NV	40	18480.00	3.172532	20	PASS
			NV	0	18480.00	3.211121	20	PASS
			NV	10	18480.00	3.211121	20	PASS
			NV	20	17980.00	3.124240	20	PASS
			NV	30	17980.00	3.124240	20	PASS
	Ant2	5755	NV	40	17980.00	3.124240	20	PASS
			NV	45	17480.00	3.037359	20	PASS
			NV	0	16980.00	2.950478	20	PASS
			NV	10	16480.00	2.863597	20	PASS
			NV	20	16480.00	2.863597	20	PASS
	Ant1	5795	NV	30	16480.00	2.863597	20	PASS
			NV	40	16480.00	2.863597	20	PASS
			NV	45	16480.00	2.863597	20	PASS
			NV	0	19980.00	3.447800	20	PASS
			NV	10	19980.00	3.447800	20	PASS
11AX80MIM O	Ant2	5795	NV	20	19980.00	3.447800	20	PASS
			NV	30	19980.00	3.447800	20	PASS
			NV	40	19980.00	3.447800	20	PASS
			NV	45	19980.00	3.447800	20	PASS
			NV	0	24980.00	4.310613	20	PASS
	Ant1	5775	NV	10	23980.00	4.138050	20	PASS
			NV	20	22980.00	3.965487	20	PASS
			NV	30	22480.00	3.879206	20	PASS
			NV	40	21980.00	3.792925	20	PASS
			NV	45	21480.00	3.706644	20	PASS
	Ant2	5775	NV	0	20480.00	3.546320	20	PASS
			NV	10	20480.00	3.546320	20	PASS
			NV	20	20480.00	3.546320	20	PASS
			NV	30	19980.00	3.459740	20	PASS
			NV	40	19980.00	3.459740	20	PASS
	Ant1	5775	NV	45	19980.00	3.459740	20	PASS
			NV	0	19980.00	3.459740	20	PASS
			NV	10	19980.00	3.459740	20	PASS
			NV	20	19980.00	3.459740	20	PASS
			NV	30	19980.00	3.459740	20	PASS
	Ant2	5775	NV	40	19980.00	3.459740	20	PASS
			NV	45	19980.00	3.459740	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*****