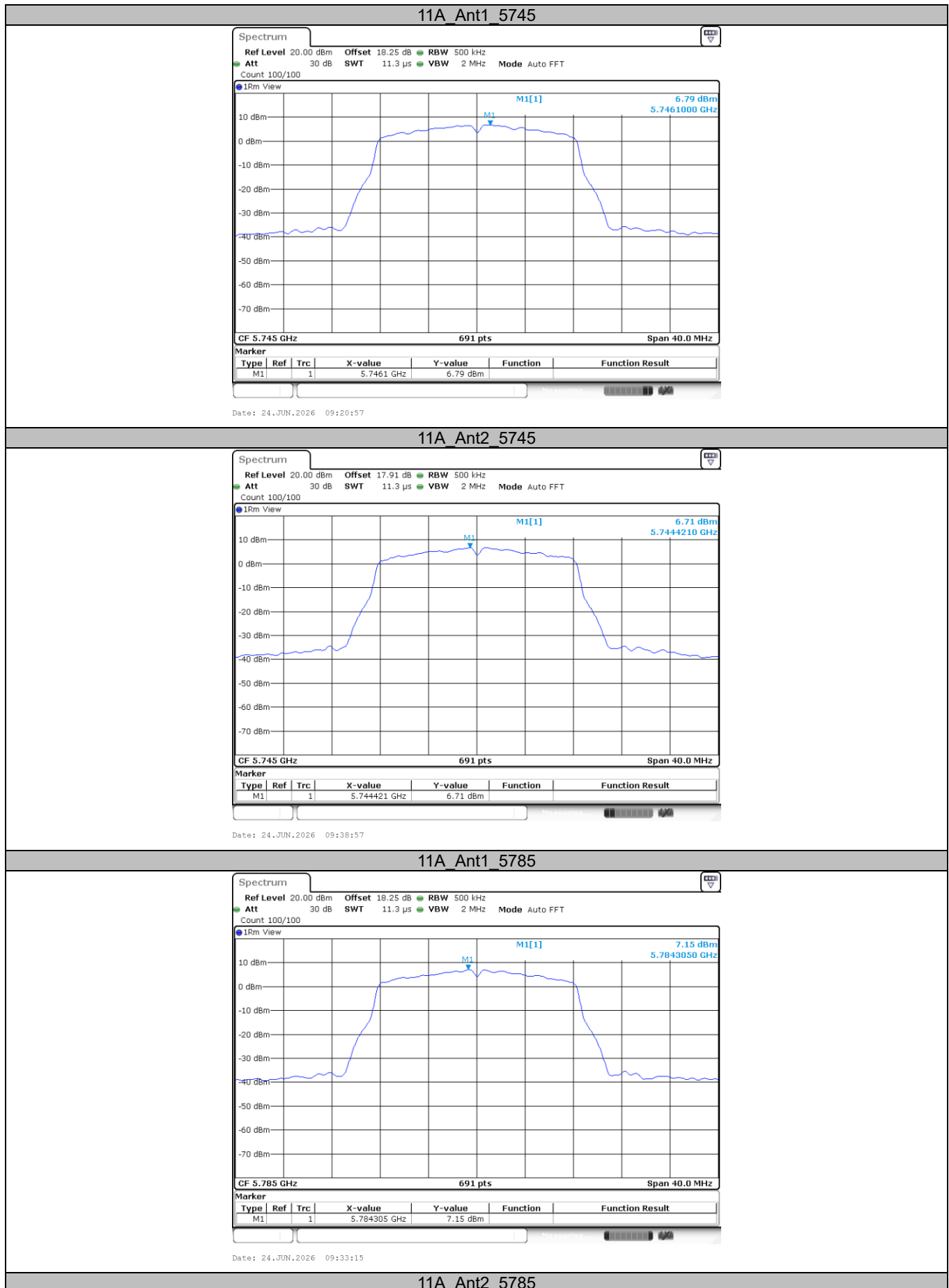


	Ant2	5825	1.12	0.44	1.56	/	PASS
	total	5825	---	---	5.55	≤19.63	PASS
11AX40MIMO	Ant1	5755	-1.66	0.75	-0.91	/	PASS
	Ant2	5755	-2.4	0.75	-1.65	/	PASS
	total	5755	---	---	1.75	≤19.63	PASS
	Ant1	5795	-2.01	0.75	-1.26	/	PASS
	Ant2	5795	-2.6	0.75	-1.85	/	PASS
	total	5795	---	---	1.47	≤19.63	PASS
11AX80MIMO	Ant1	5775	-9.48	4.62	-4.86	/	PASS
	Ant2	5775	-9.83	4.47	-5.36	/	PASS
	total	5775	---	---	-2.09	≤19.63	PASS

Test Graphs:



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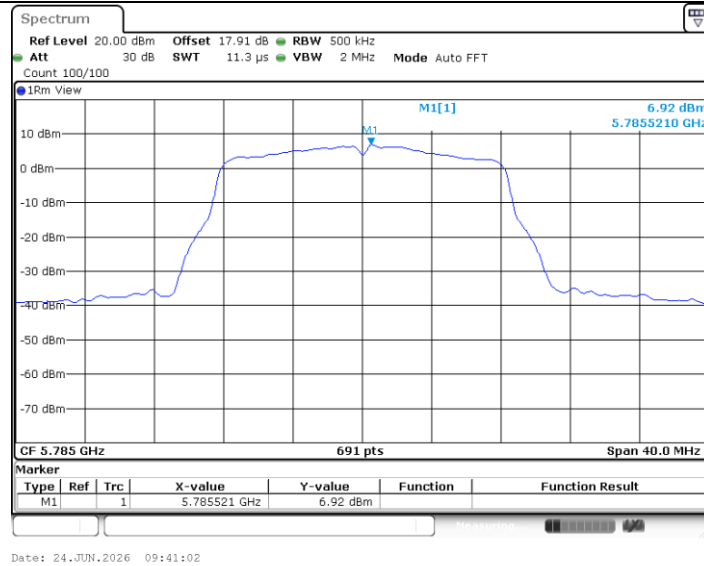
Tel.: (86)755-27521059

Fax: (86)755-27521011

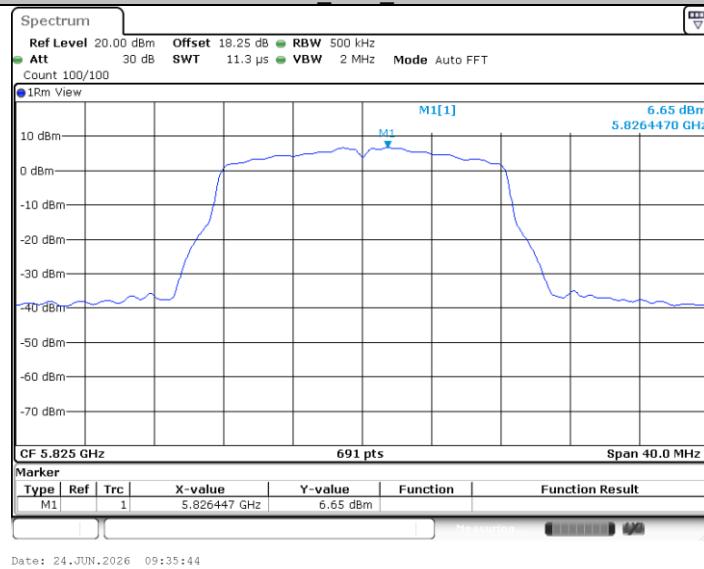
Http://www.sz-ctc.org.cn

TRF No: CTC-TR-062_A5

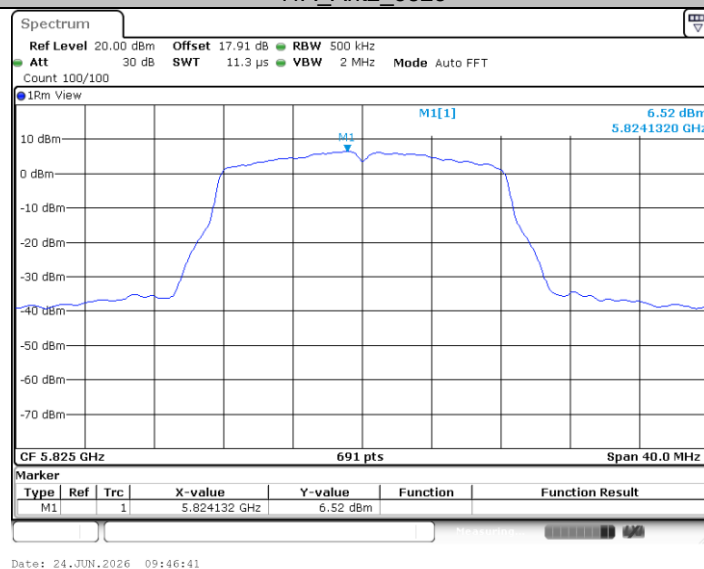
Master TRF : Dated 2026-06-01



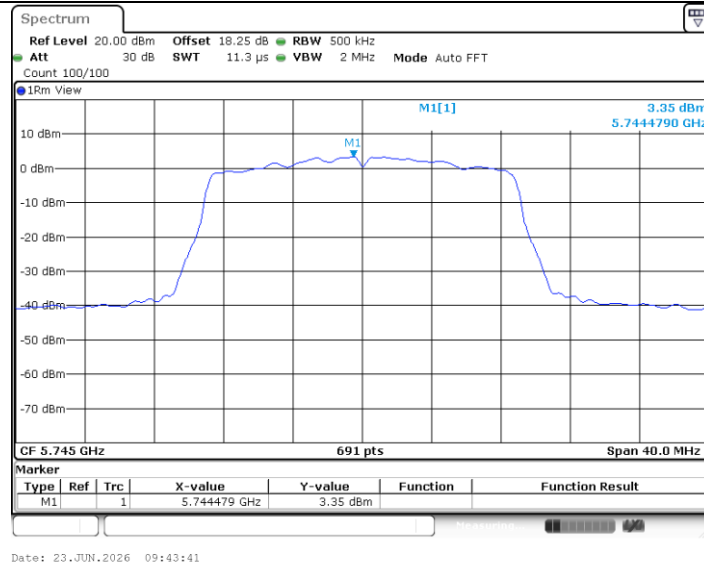
11A_Ant1_5825



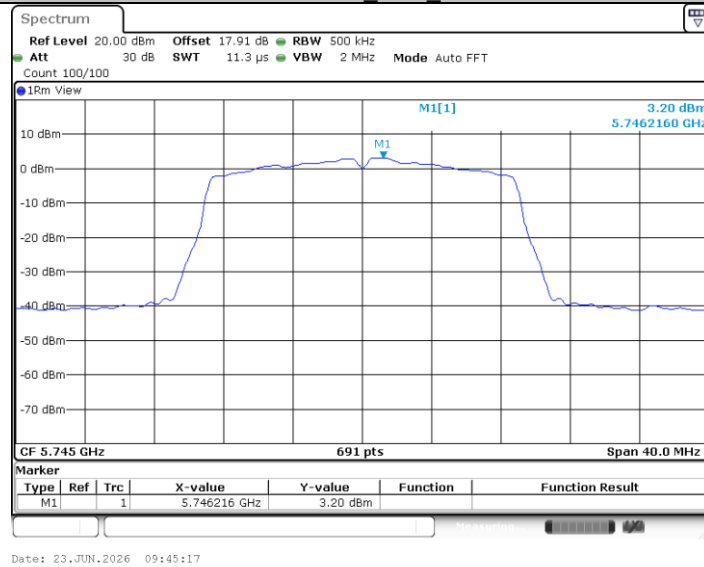
11A_Ant2_5825



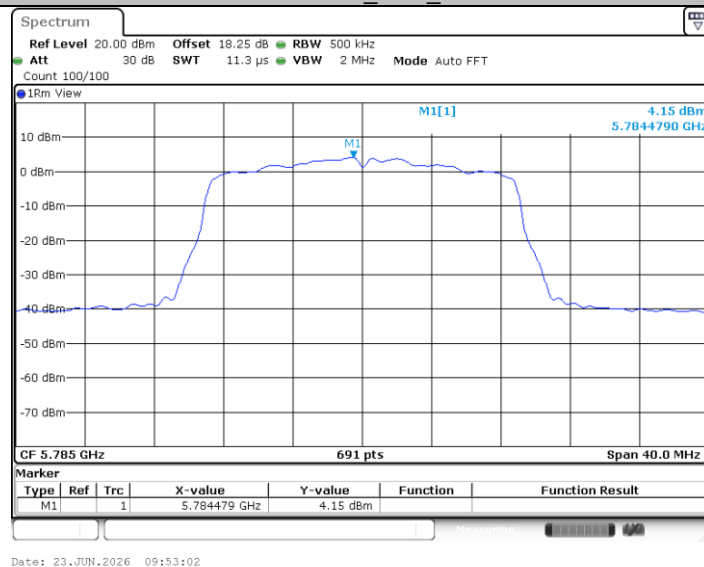
11N20MIMO_Ant1_5745



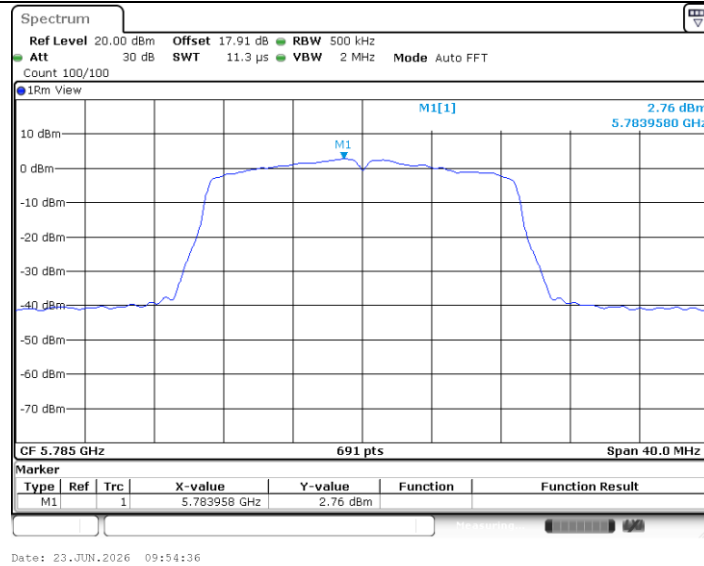
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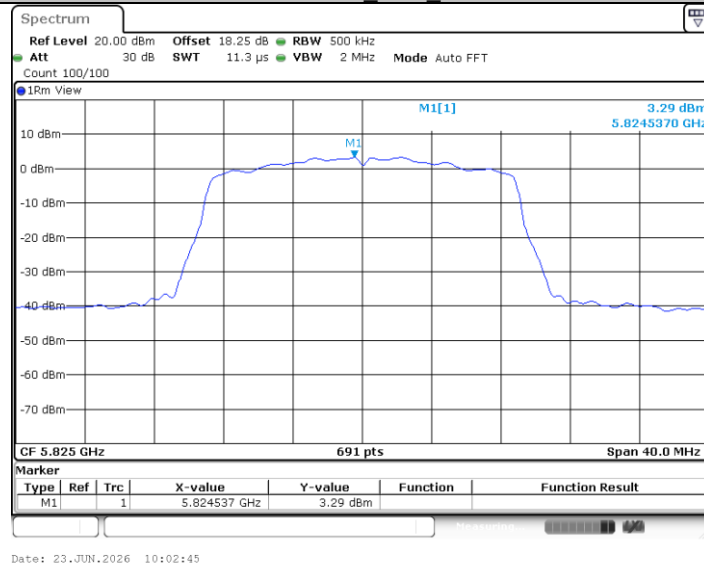
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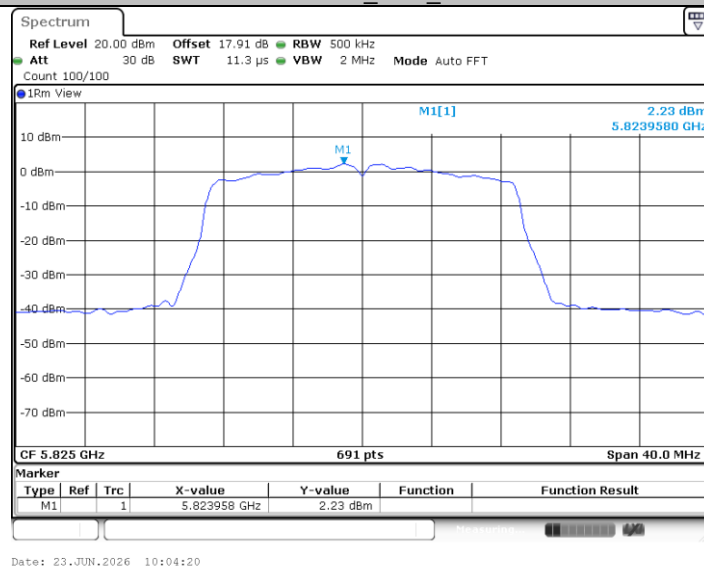
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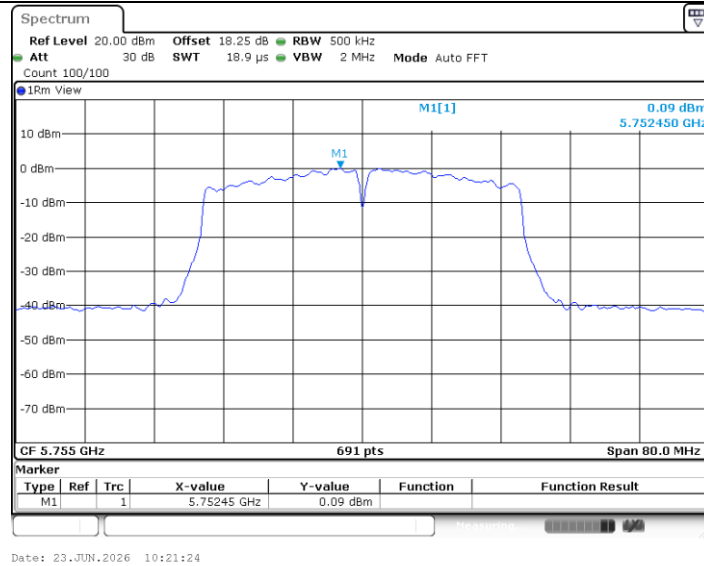
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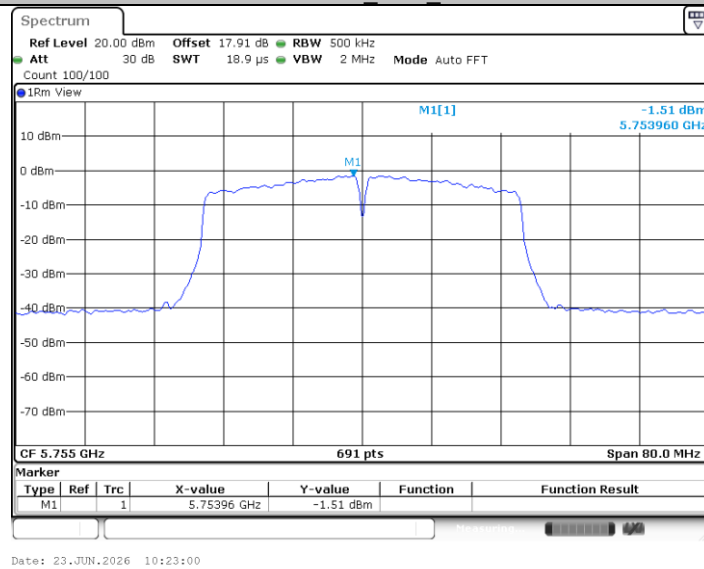
11N20MIMO_Ant2_5825



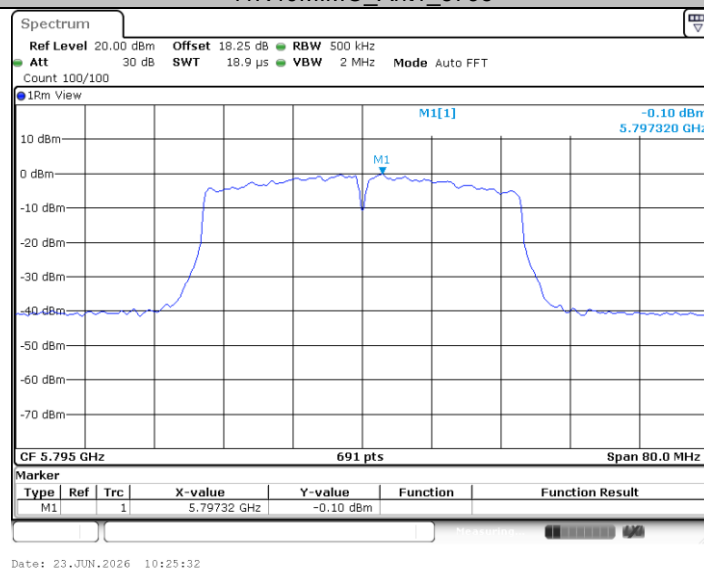
11N40MIMO_Ant1_5755



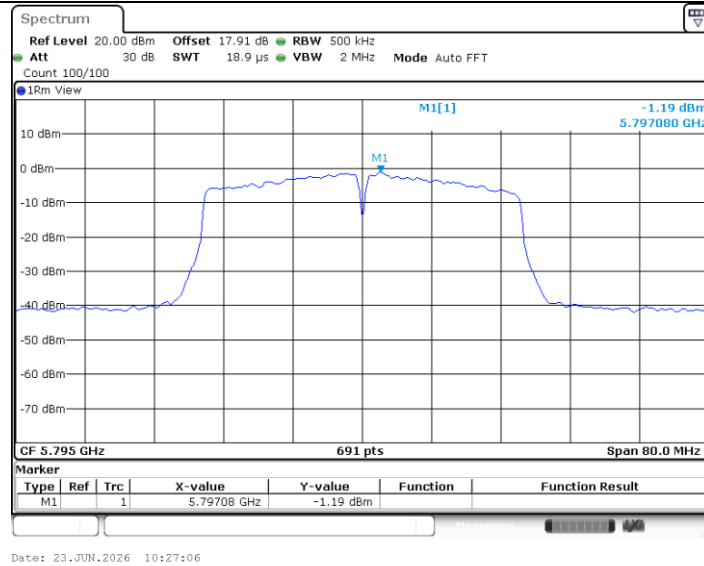
11N40MIMO_Ant2_5755



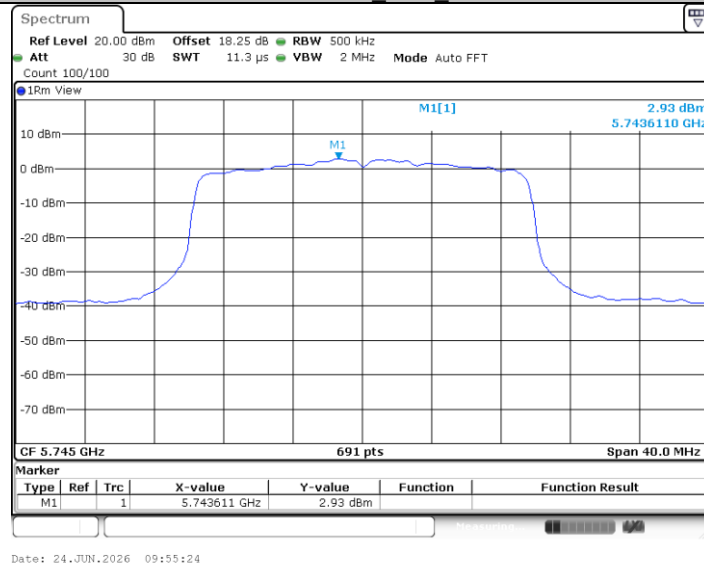
11N40MIMO_Ant1_5795



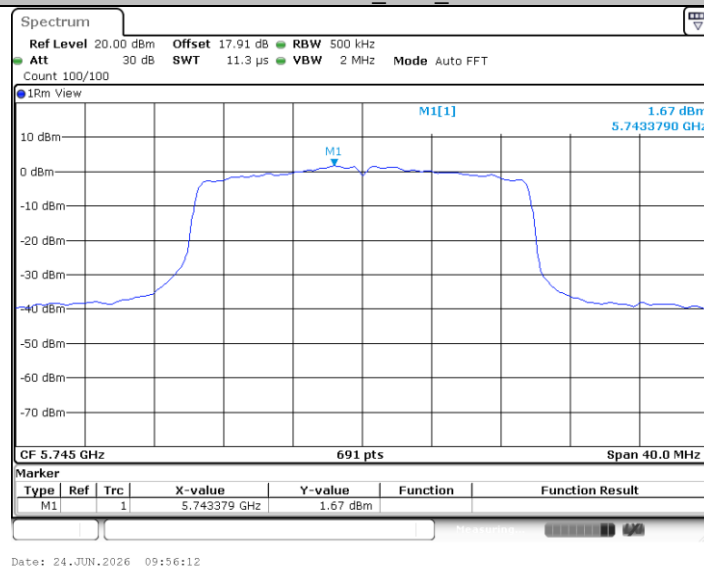
11N40MIMO_Ant2_5795



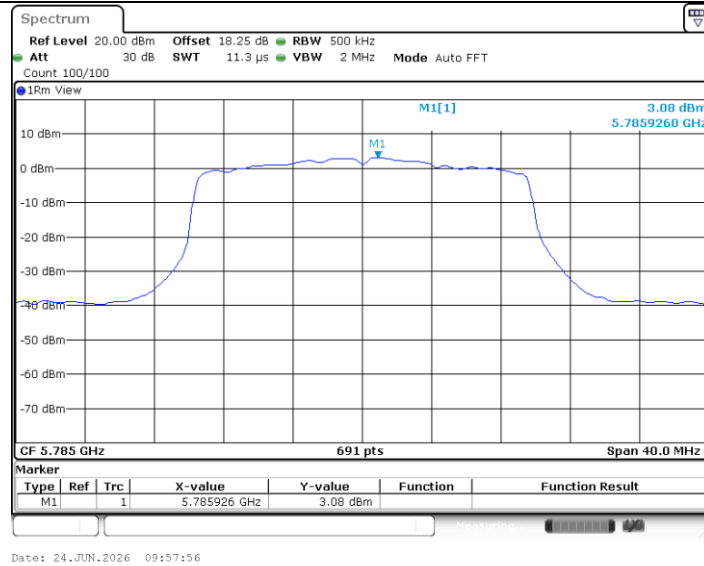
11AC20MIMO_Ant1_5745



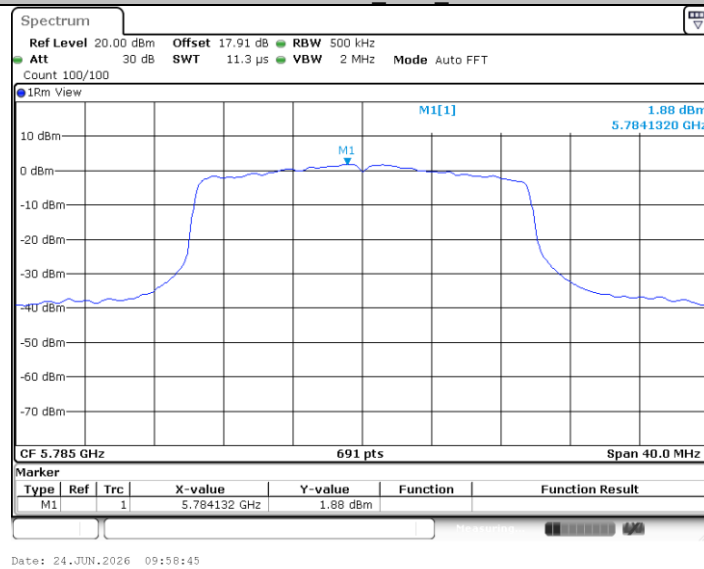
11AC20MIMO_Ant2_5745



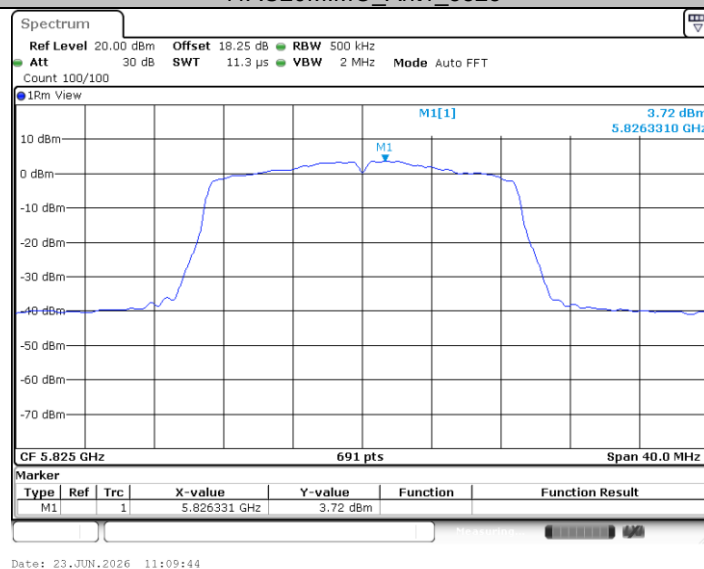
11AC20MIMO_Ant1_5785



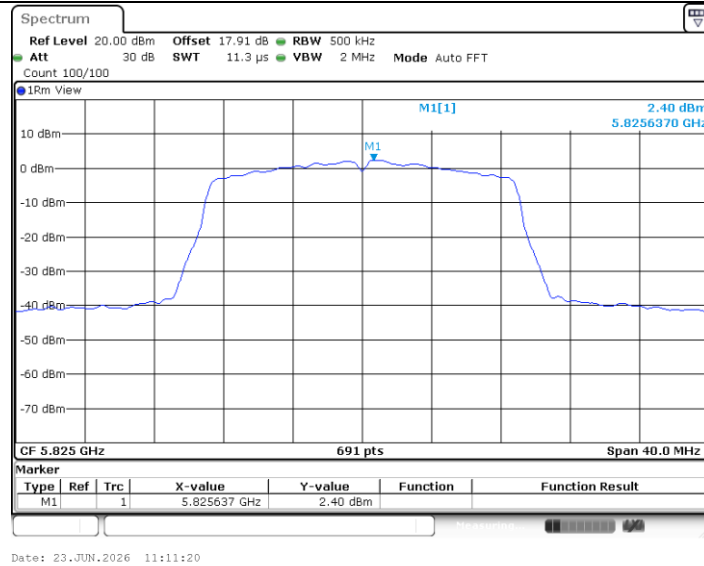
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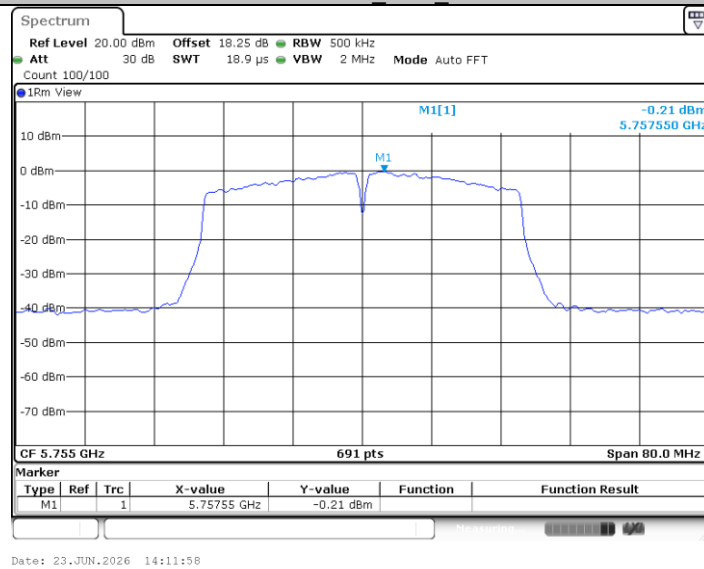
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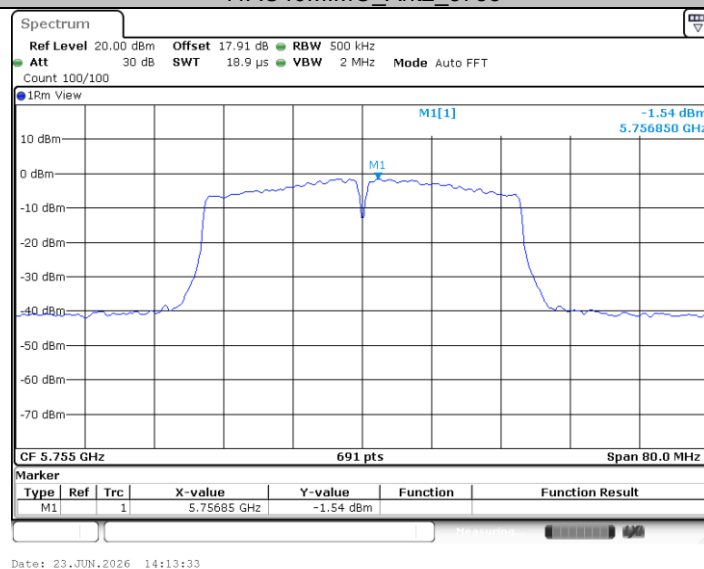
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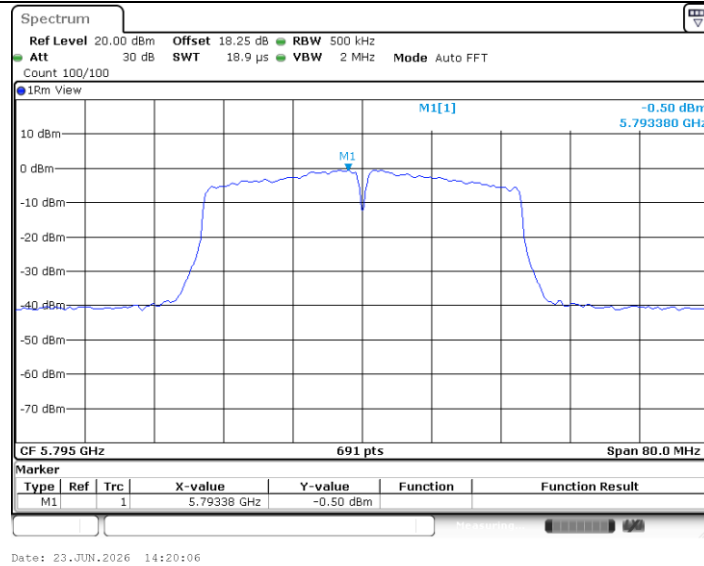
11AC40MIMO_Ant1_5755



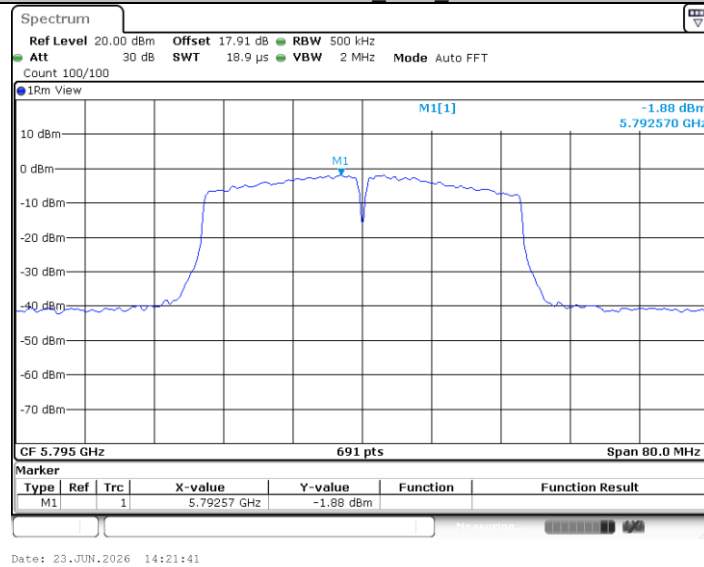
11AC40MIMO_Ant2_5755



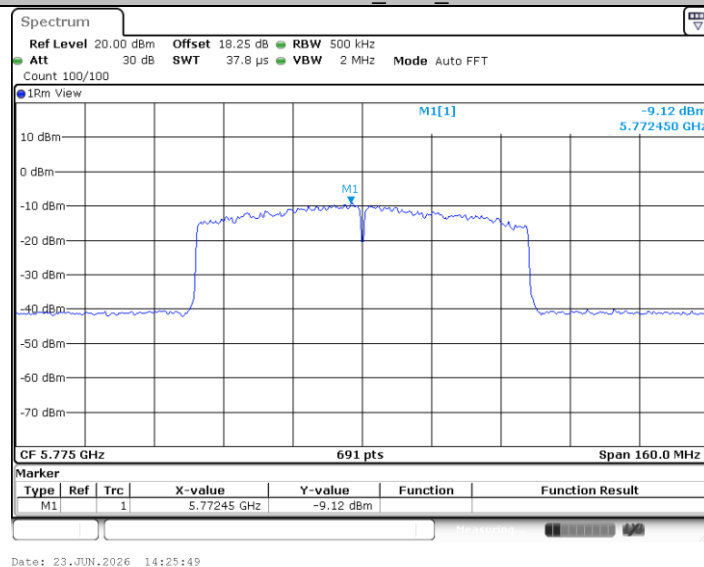
11AC40MIMO_Ant1_5795



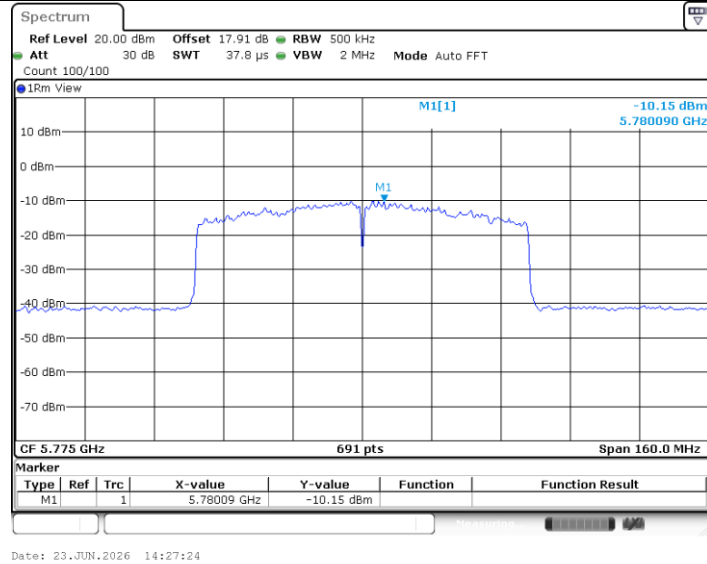
11AC40MIMO_Ant2_5795



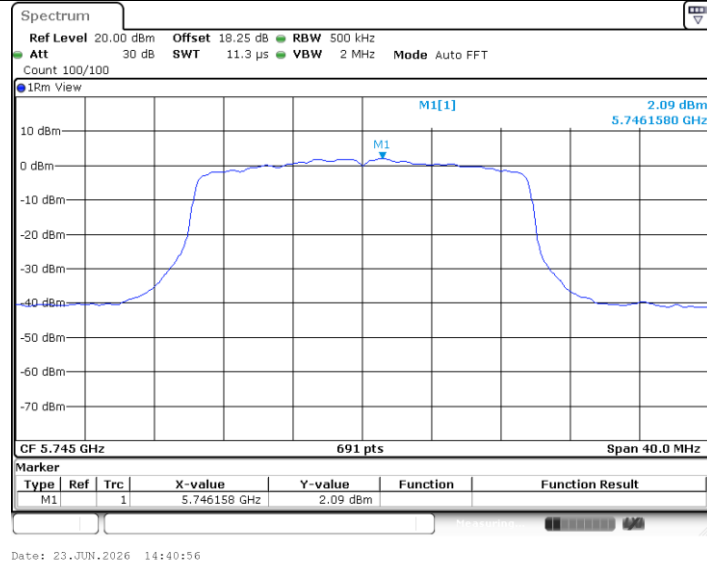
11AC80MIMO_Ant1_5775



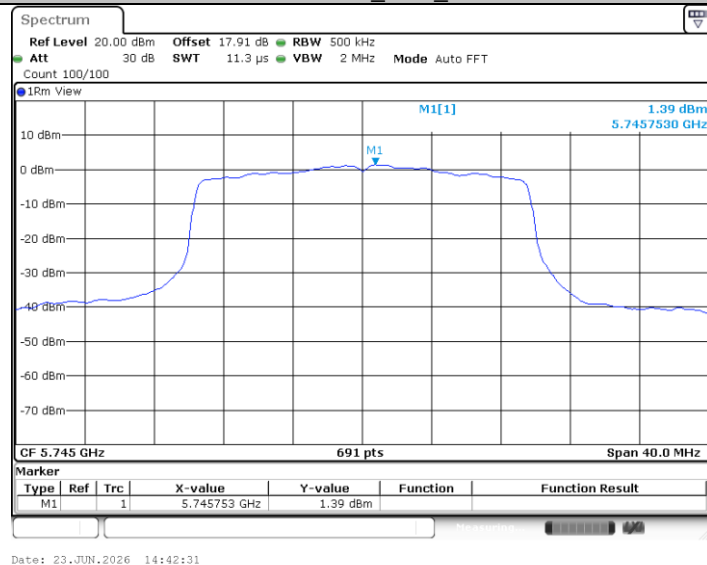
11AC80MIMO_Ant2_5775



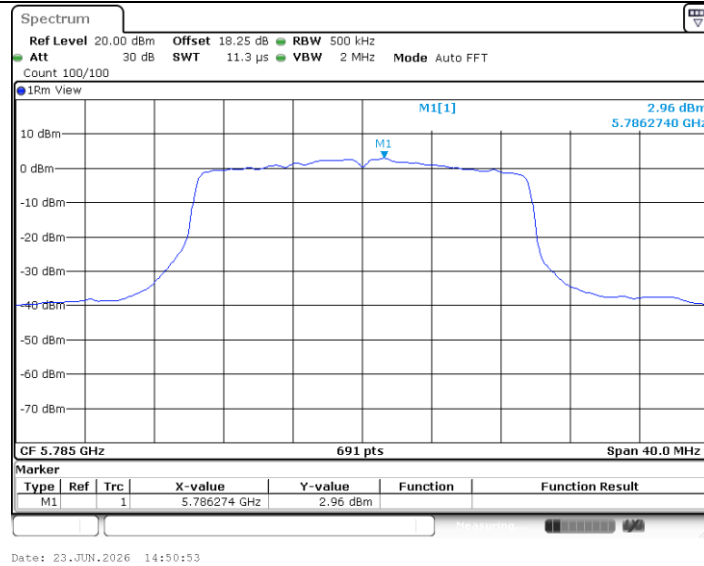
11AX20MIMO_Ant1_5745



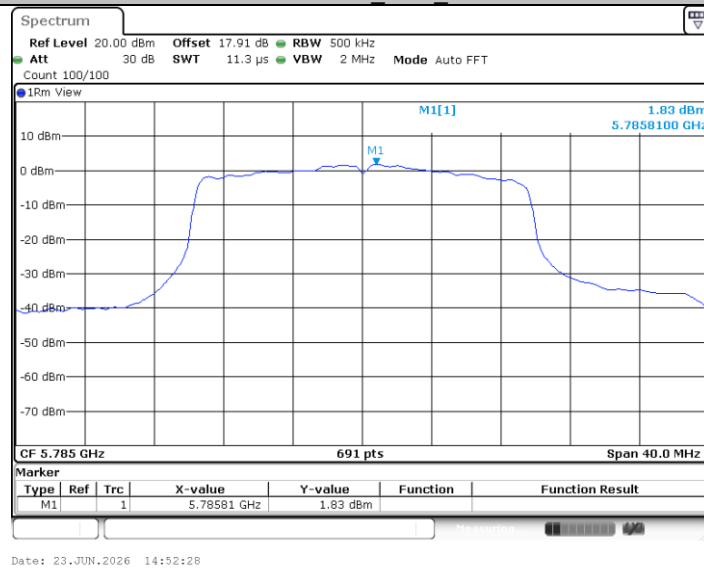
11AX20MIMO_Ant2_5745



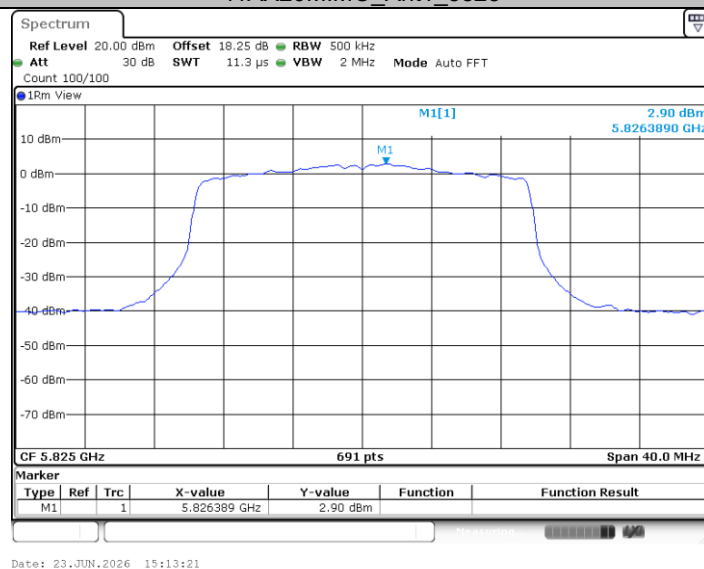
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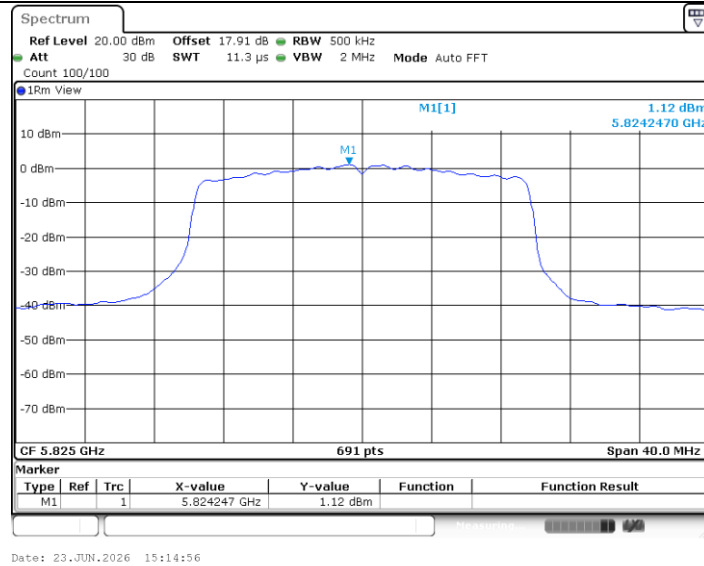
11AX20MIMO_Ant2_5785



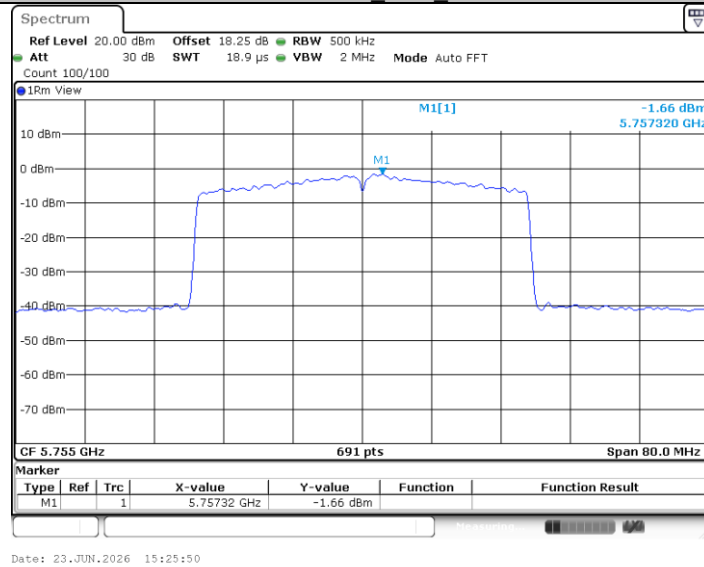
11AX20MIMO_Ant1_5825



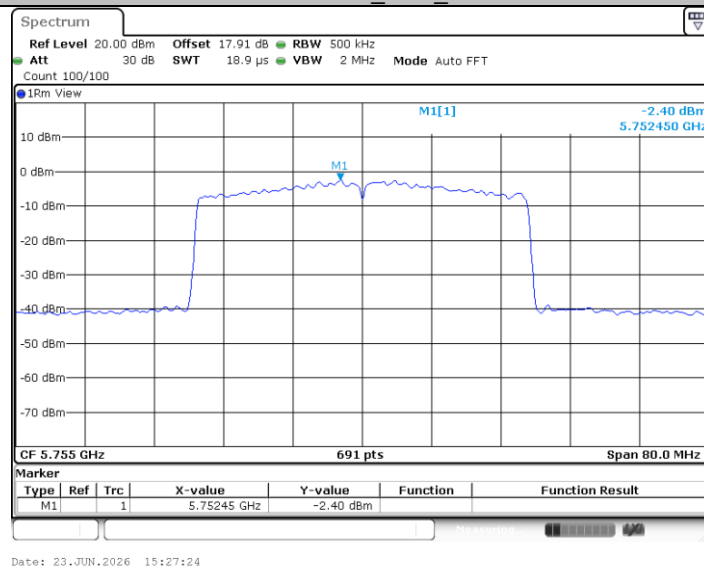
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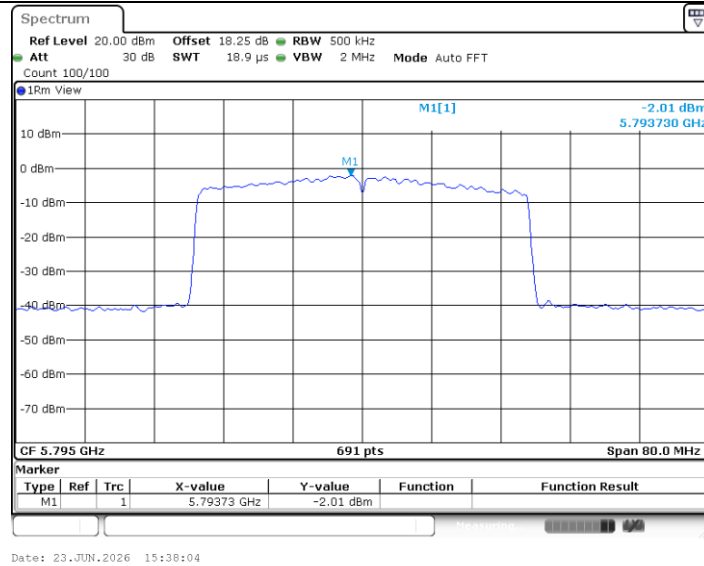
11AX40MIMO_Ant1_5755



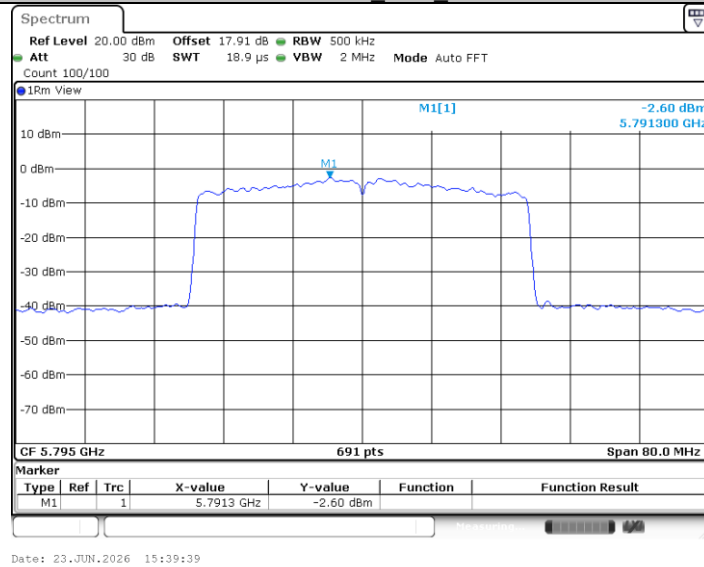
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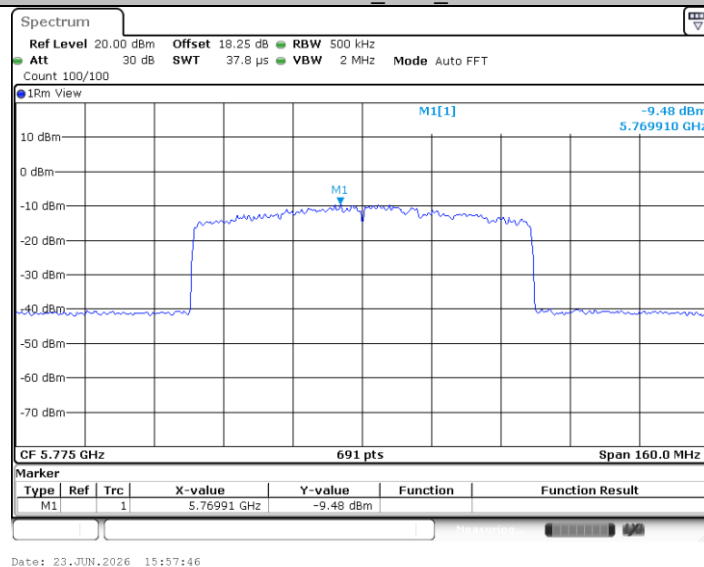
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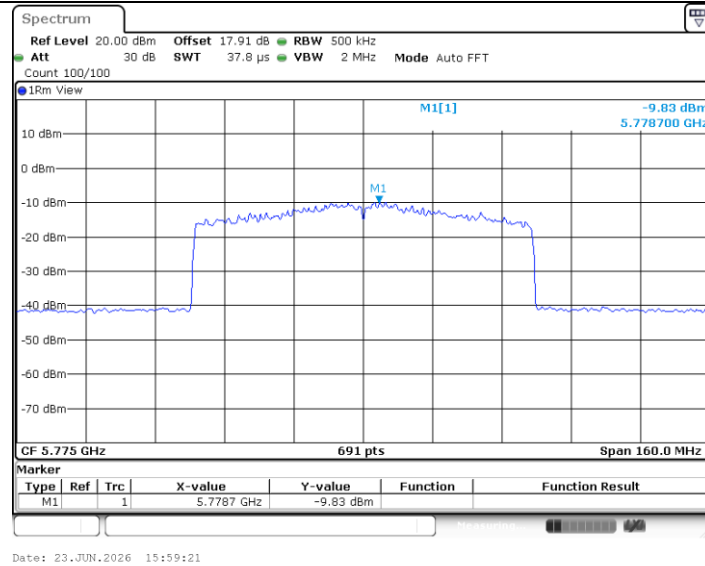
11AX40MIMO_Ant2_5795



11AX80MIMO_Ant1_5775



11AX80MIMO_Ant2_5775



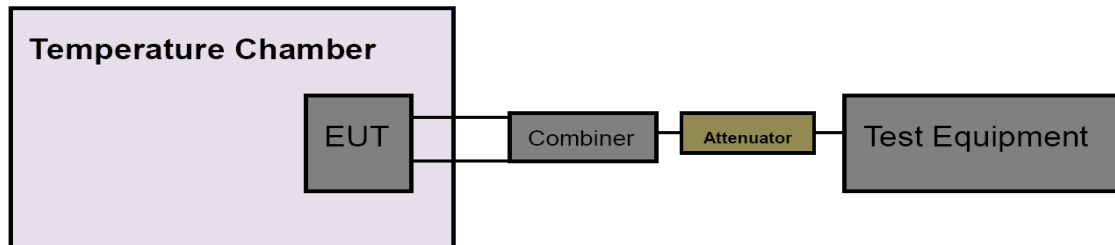
3.7. Frequency Stability

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	30470.00	5.303742	20	PASS
			LV	NT	29970.00	5.216710	20	PASS
			HV	NT	26470.00	4.607485	20	PASS
	Ant2	5745	NV	NT	15480.00	2.694517	20	PASS
			LV	NT	14990.00	2.609225	20	PASS
			HV	NT	14990.00	2.609225	20	PASS
	Ant1	5785	NV	NT	18480.00	3.194468	20	PASS
			LV	NT	16980.00	2.935177	20	PASS
			HV	NT	16480.00	2.848747	20	PASS
	Ant2	5785	NV	NT	15980.00	2.762316	20	PASS
			LV	NT	15980.00	2.762316	20	PASS
			HV	NT	15980.00	2.762316	20	PASS
	Ant1	5825	NV	NT	18480.00	3.172532	20	PASS
			LV	NT	16980.00	2.915021	20	PASS
			HV	NT	16480.00	2.829185	20	PASS
	Ant2	5825	NV	NT	16480.00	2.829185	20	PASS
			LV	NT	16480.00	2.829185	20	PASS
			HV	NT	16480.00	2.829185	20	PASS
11AX40MIM O	Ant1	5755	NV	NT	20980.00	3.645526	20	PASS
			LV	NT	18480.00	3.211121	20	PASS
			HV	NT	17980.00	3.124240	20	PASS
	Ant2	5755	NV	NT	15980.00	2.776716	20	PASS
			LV	NT	15980.00	2.776716	20	PASS
			HV	NT	15980.00	2.776716	20	PASS
	Ant1	5795	NV	NT	18980.00	3.275237	20	PASS
			LV	NT	17980.00	3.102675	20	PASS
			HV	NT	16980.00	2.930112	20	PASS
	Ant2	5795	NV	NT	15980.00	2.757550	20	PASS
			LV	NT	15980.00	2.757550	20	PASS
			HV	NT	15980.00	2.757550	20	PASS
11AX80MIM O	Ant1	5775	NV	NT	23480.00	4.065801	20	PASS
			LV	NT	19980.00	3.459740	20	PASS
			HV	NT	18480.00	3.200000	20	PASS
	Ant2	5775	NV	NT	16480.00	2.853680	20	PASS
			LV	NT	16480.00	2.853680	20	PASS
			HV	NT	15980.00	2.767100	20	PASS

Temperature								
TestMode	Antenna	Freq(MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AX20MIM O	Ant1	5745	NV	0	22980.00	4.000000	20	PASS
			NV	10	21480.00	3.738903	20	PASS
			NV	20	20480.00	3.564839	20	PASS
			NV	30	18980.00	3.303742	20	PASS
			NV	40	18480.00	3.216710	20	PASS
			NV	45	17980.00	3.129678	20	PASS
	Ant2	5745	NV	0	14990.00	2.609225	20	PASS
			NV	10	14990.00	2.609225	20	PASS
			NV	20	14990.00	2.609225	20	PASS
			NV	30	14990.00	2.609225	20	PASS
			NV	40	14990.00	2.609225	20	PASS
			NV	45	14490.00	2.522193	20	PASS
	Ant1	5785	NV	0	15980.00	2.762316	20	PASS
			NV	10	15980.00	2.762316	20	PASS
			NV	20	15480.00	2.675886	20	PASS
			NV	30	15480.00	2.675886	20	PASS
			NV	40	15480.00	2.675886	20	PASS
			NV	45	15980.00	2.762316	20	PASS
	Ant2	5785	NV	0	15480.00	2.675886	20	PASS

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Master TRF : Dated 2026-06-01

			NV	10	15480.00	2.675886	20	PASS
			NV	20	15480.00	2.675886	20	PASS
			NV	30	15980.00	2.762316	20	PASS
			NV	40	15980.00	2.762316	20	PASS
			NV	45	15480.00	2.675886	20	PASS
	Ant1	5825	NV	0	16480.00	2.829185	20	PASS
			NV	10	16480.00	2.829185	20	PASS
			NV	20	16480.00	2.829185	20	PASS
			NV	30	16480.00	2.829185	20	PASS
			NV	40	16480.00	2.829185	20	PASS
			NV	45	16480.00	2.829185	20	PASS
	Ant2	5825	NV	0	15980.00	2.743348	20	PASS
			NV	10	15980.00	2.743348	20	PASS
			NV	20	15980.00	2.743348	20	PASS
			NV	30	15980.00	2.743348	20	PASS
			NV	40	15980.00	2.743348	20	PASS
			NV	45	15980.00	2.743348	20	PASS
11AX40MIM O	Ant1	5755	NV	0	16980.00	2.950478	20	PASS
			NV	10	16980.00	2.950478	20	PASS
			NV	20	16480.00	2.863597	20	PASS
			NV	30	16480.00	2.863597	20	PASS
			NV	40	16480.00	2.863597	20	PASS
			NV	45	16480.00	2.863597	20	PASS
	Ant2	5755	NV	0	15980.00	2.776716	20	PASS
			NV	10	15480.00	2.689835	20	PASS
			NV	20	15480.00	2.689835	20	PASS
			NV	30	15480.00	2.689835	20	PASS
			NV	40	15480.00	2.689835	20	PASS
			NV	45	14990.00	2.604692	20	PASS
	Ant1	5795	NV	0	16980.00	2.930112	20	PASS
			NV	10	16480.00	2.843831	20	PASS
			NV	20	16480.00	2.843831	20	PASS
			NV	30	16480.00	2.843831	20	PASS
			NV	40	16480.00	2.843831	20	PASS
			NV	45	15980.00	2.757550	20	PASS
	Ant2	5795	NV	0	15980.00	2.757550	20	PASS
			NV	10	15980.00	2.757550	20	PASS
			NV	20	15980.00	2.757550	20	PASS
			NV	30	15980.00	2.757550	20	PASS
			NV	40	15980.00	2.757550	20	PASS
			NV	45	15980.00	2.757550	20	PASS
11AX80MIM O	Ant1	5775	NV	0	17480.00	3.026840	20	PASS
			NV	10	16980.00	2.940260	20	PASS
			NV	20	16980.00	2.940260	20	PASS
			NV	30	16980.00	2.940260	20	PASS
			NV	40	16480.00	2.853680	20	PASS
			NV	45	16480.00	2.853680	20	PASS
	Ant2	5775	NV	0	15980.00	2.767100	20	PASS
			NV	10	15980.00	2.767100	20	PASS
			NV	20	15980.00	2.767100	20	PASS
			NV	30	15980.00	2.767100	20	PASS
			NV	40	15980.00	2.767100	20	PASS
			NV	45	15980.00	2.767100	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 integral CPE Aluminum Plate Antenna installed inside the host device. The antenna is permanently attached and cannot be readily replaced by the end user. 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*****