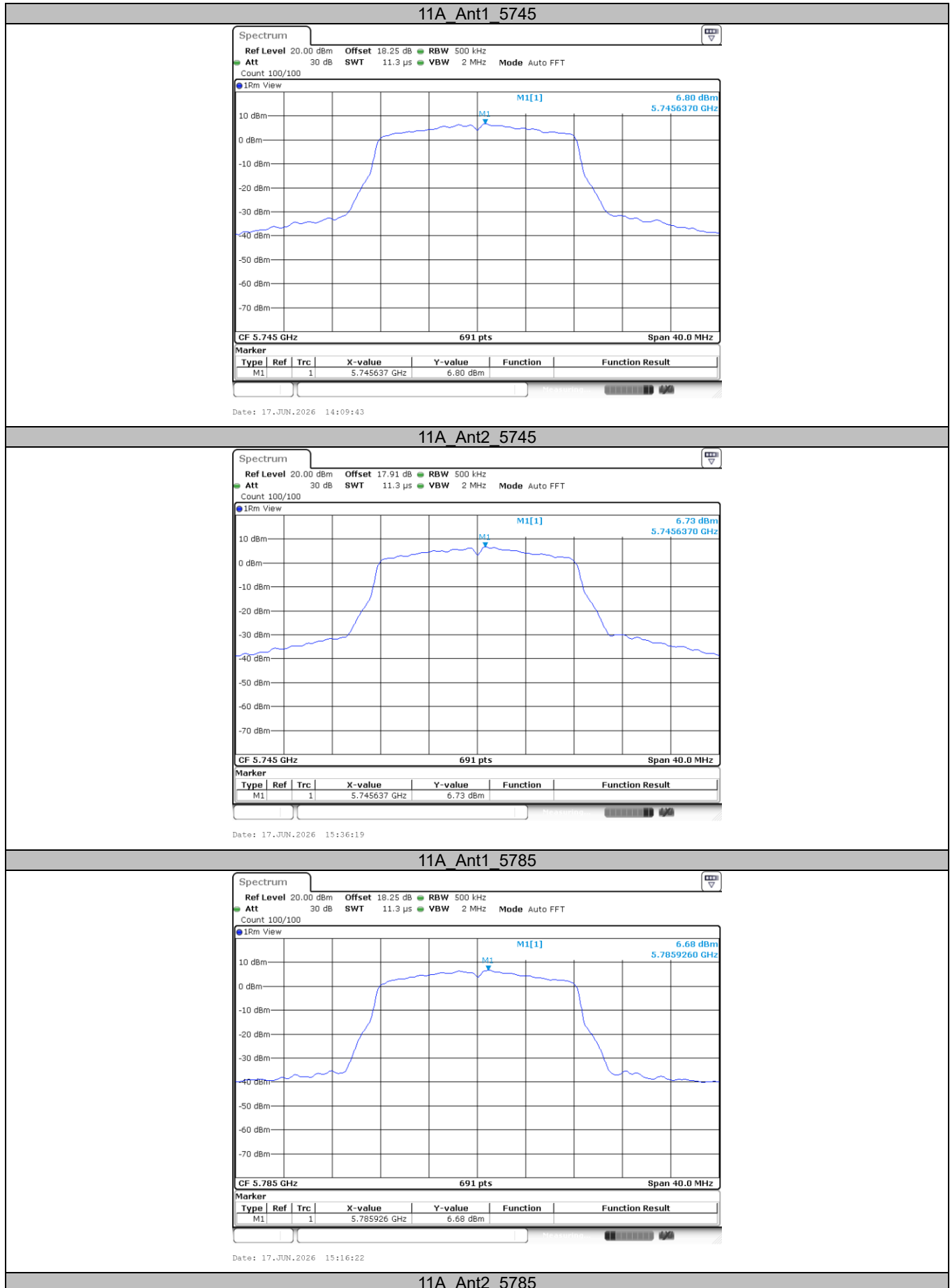


	Ant2	5825	0.95	0.44	1.39	/	PASS
	total	5825	---	---	5.96	≤19.63	PASS
11AX40MIMO	Ant1	5755	-1.33	0.75	-0.58	/	PASS
	Ant2	5755	-2.67	0.75	-1.92	/	PASS
	total	5755	---	---	1.81	≤19.63	PASS
	Ant1	5795	-1.4	0.75	-0.65	/	PASS
	Ant2	5795	-3.1	0.75	-2.35	/	PASS
	total	5795	---	---	1.59	≤19.63	PASS
11AX80MIMO	Ant1	5775	-8.74	4.62	-4.12	/	PASS
	Ant2	5775	-10.23	4.69	-5.54	/	PASS
	total	5775	---	---	-1.76	≤19.63	PASS

Test Graphs:



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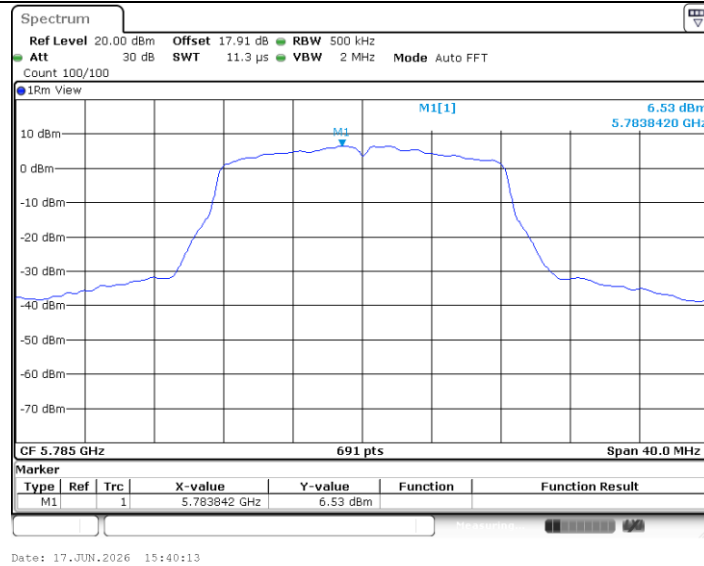
Tel.: (86)755-27521059

Fax: (86)755-27521011

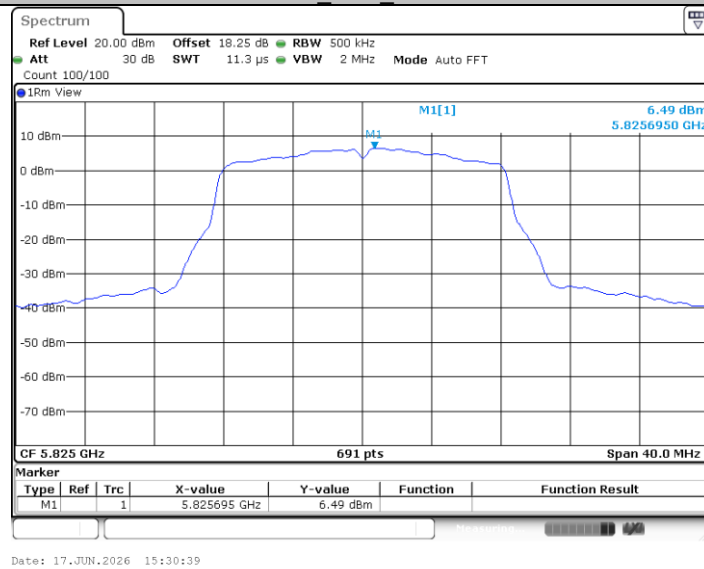
Http://www.sz-ctc.org.cn

TRF No: CTC-TR-062_A5

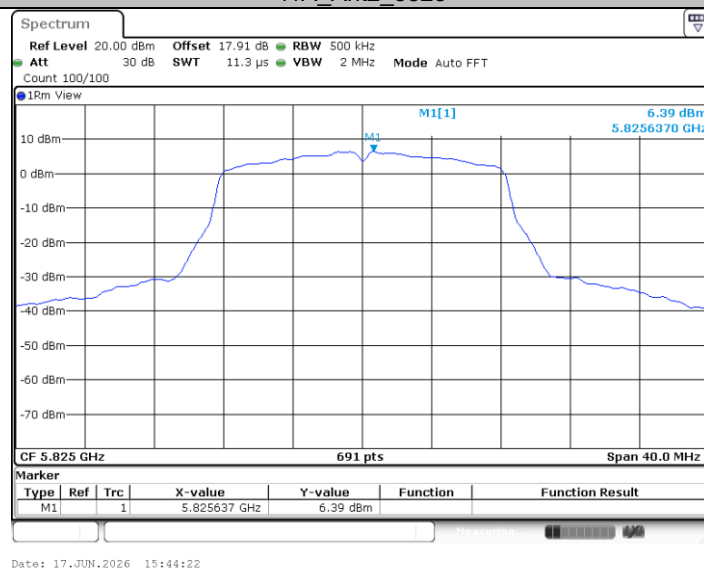
Master TRF : Dated 2026-06-01



11A_Ant1_5825



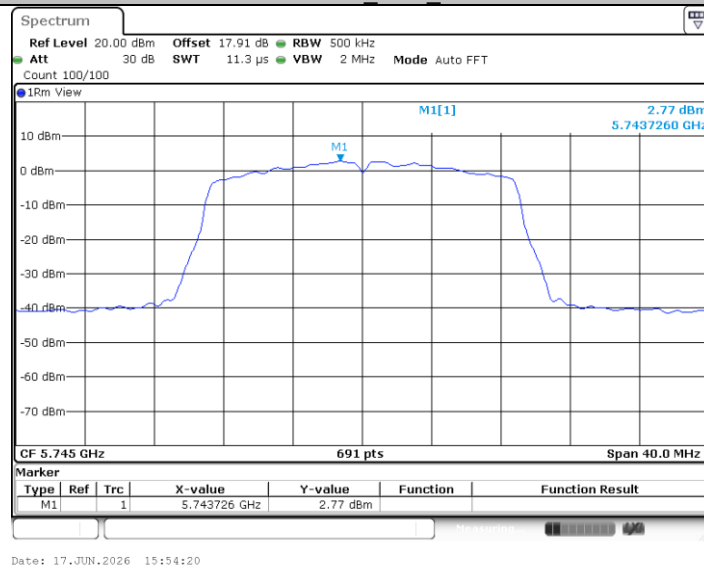
11A_Ant2_5825



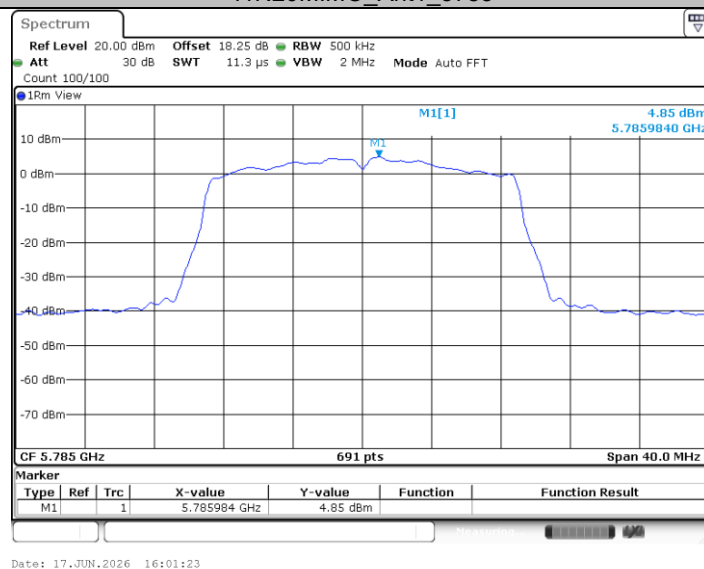
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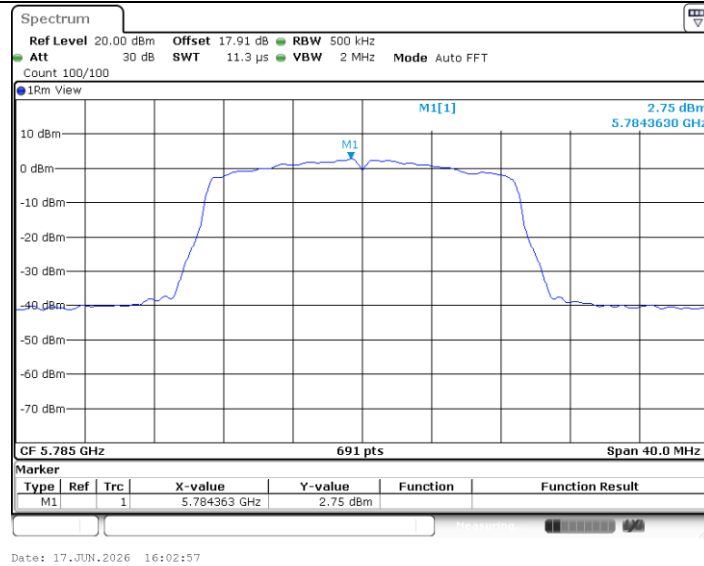
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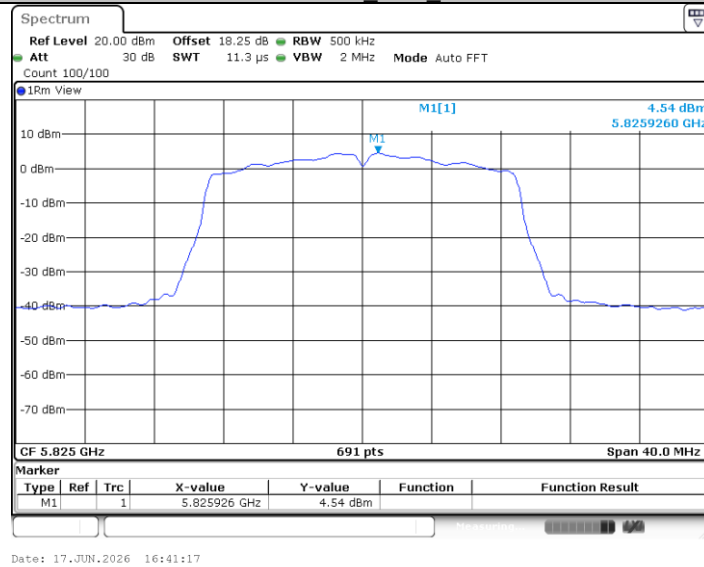
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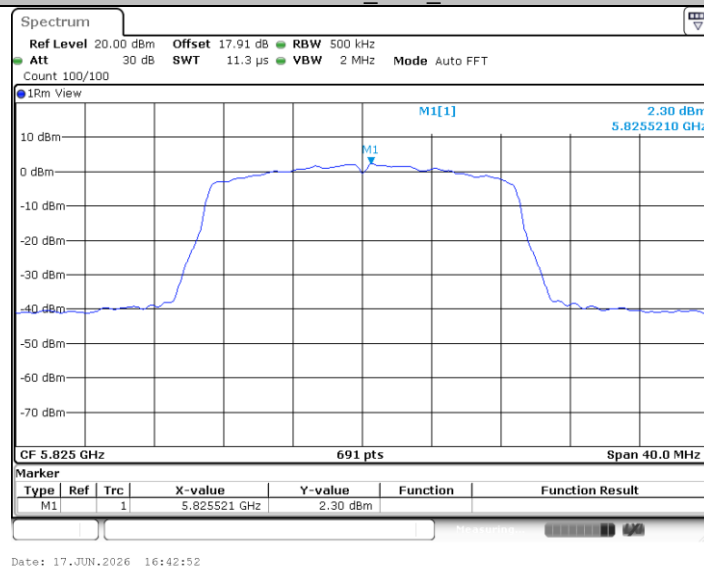
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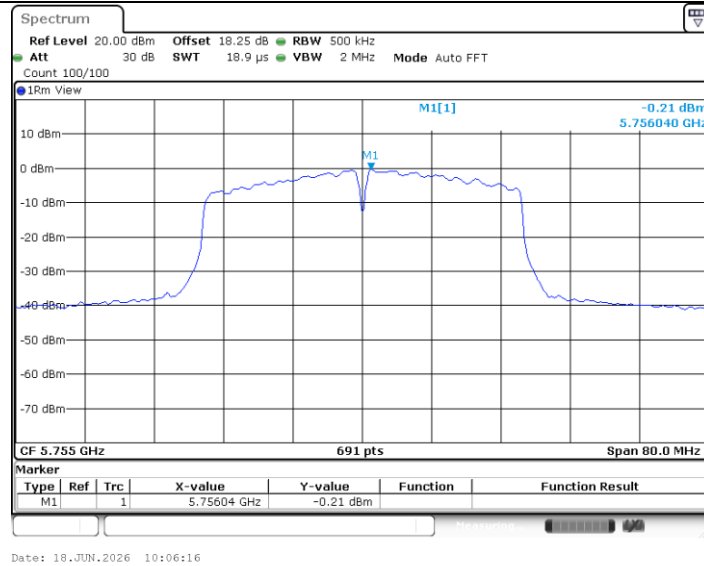
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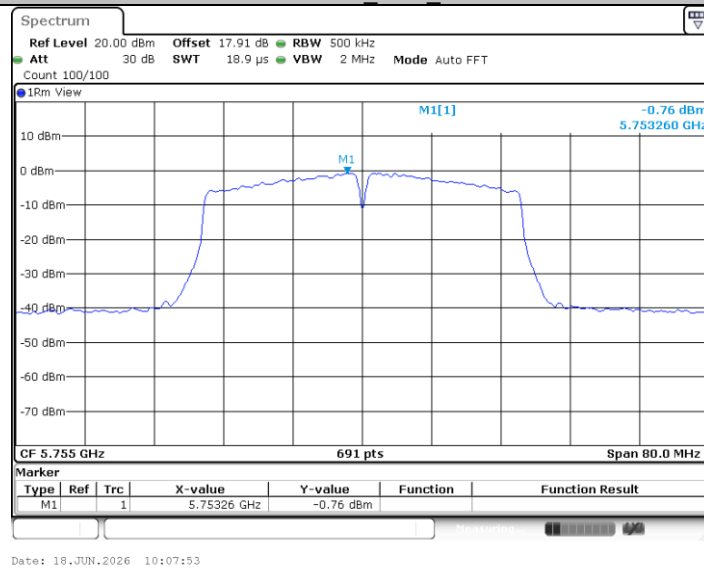
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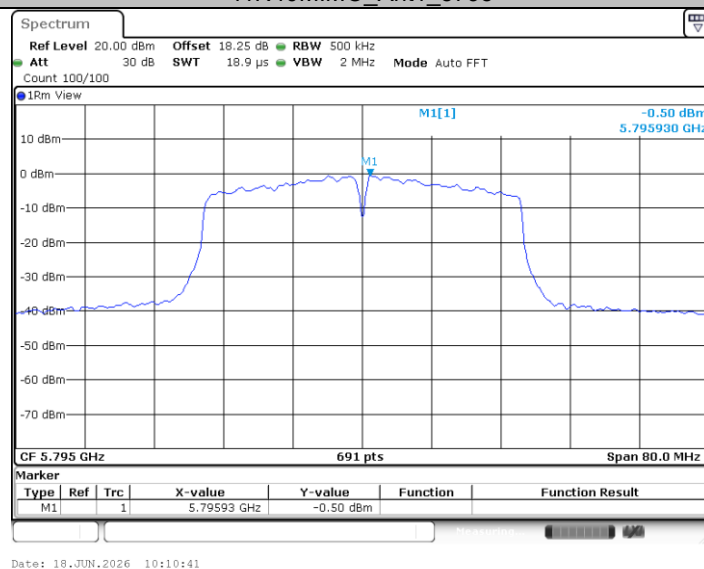
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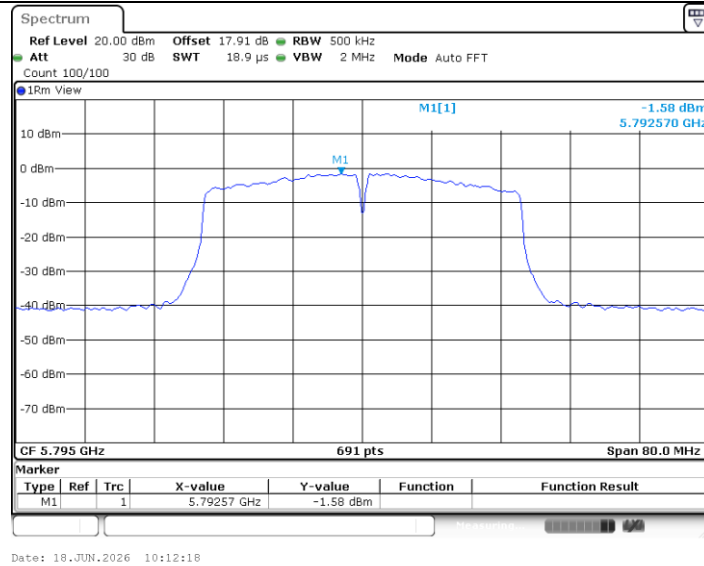
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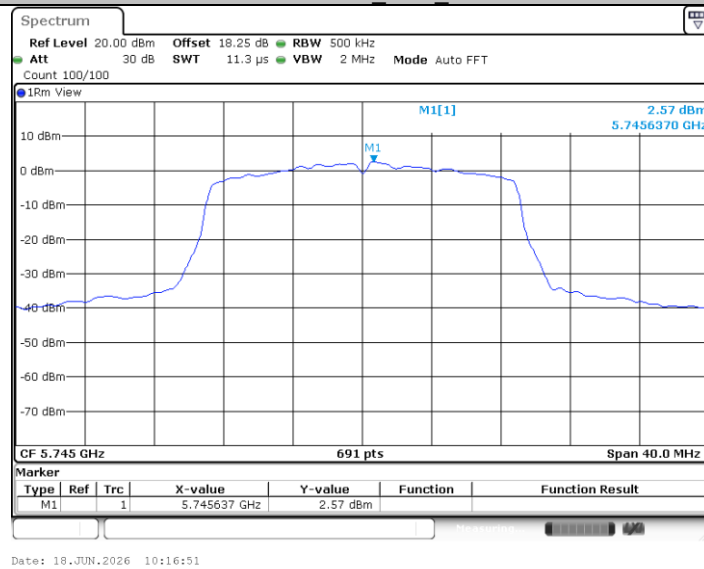
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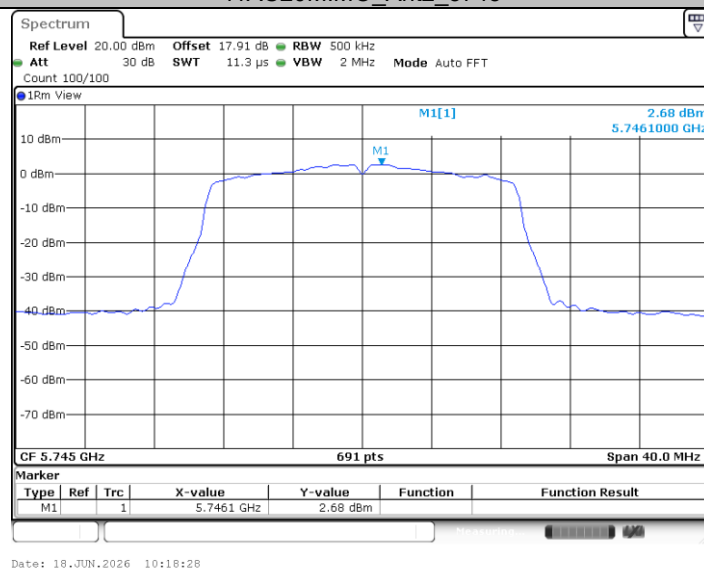
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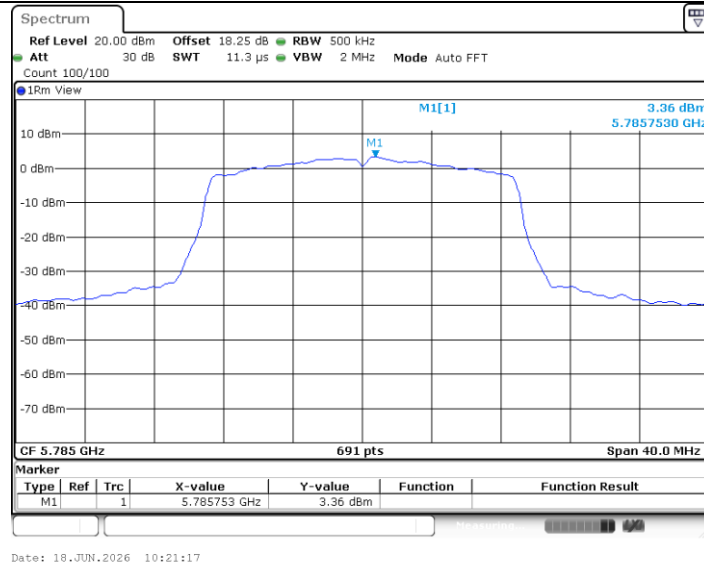
11AC20MIMO_Ant1_5745



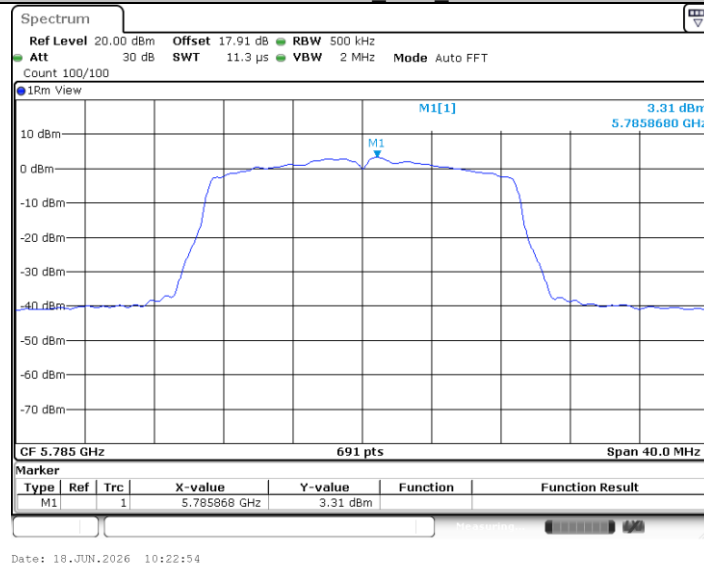
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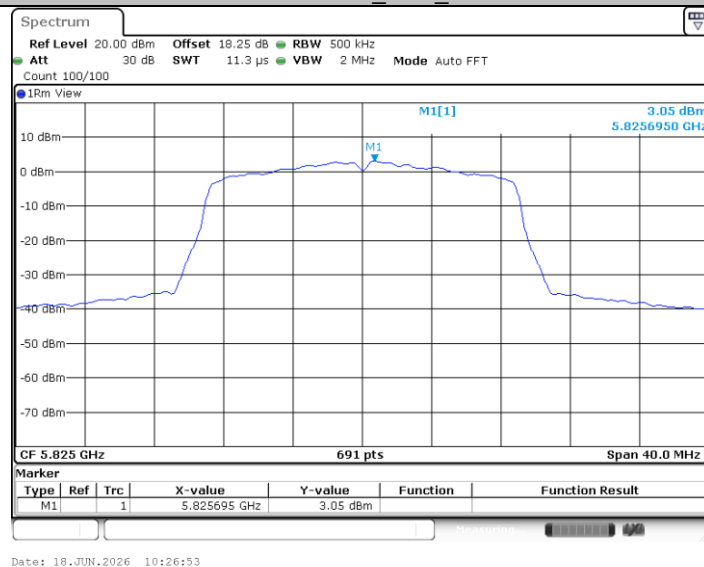
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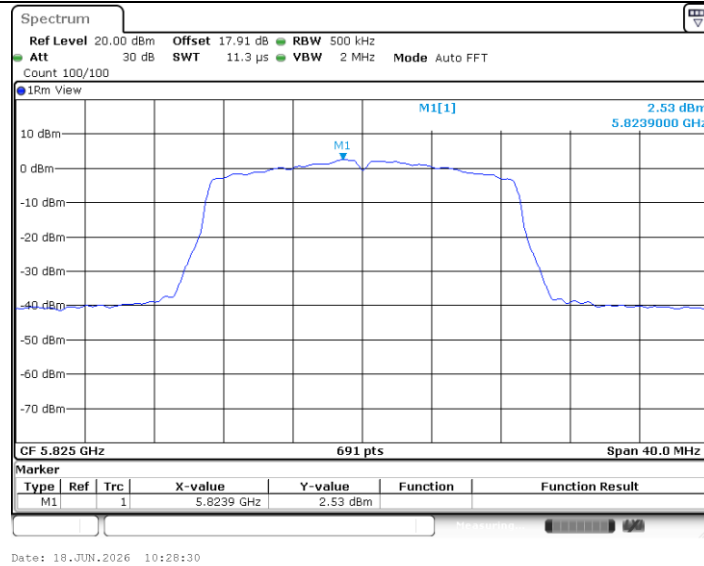
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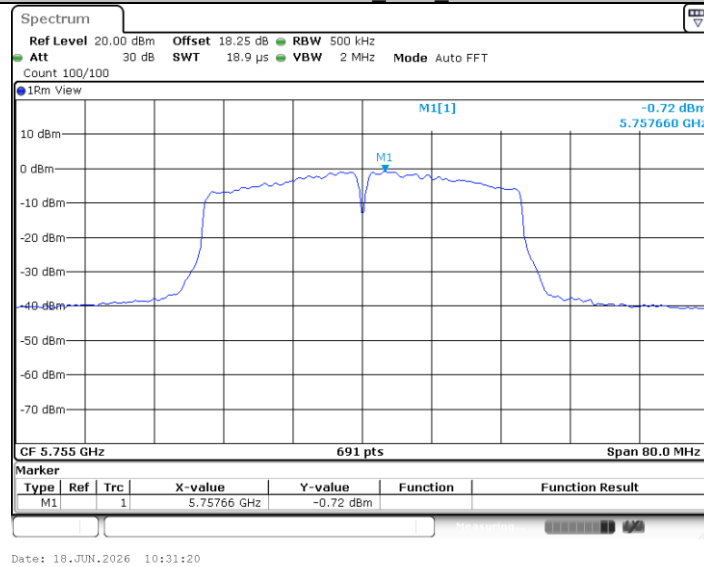
11AC20MIMO_Ant1_5825



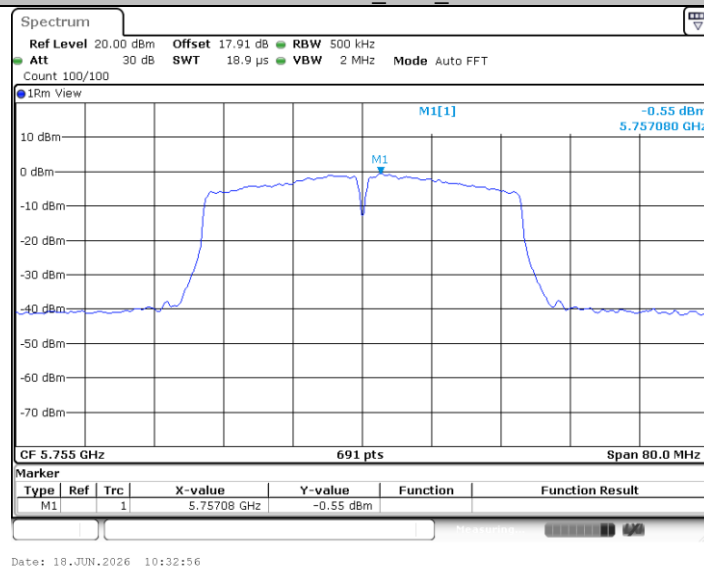
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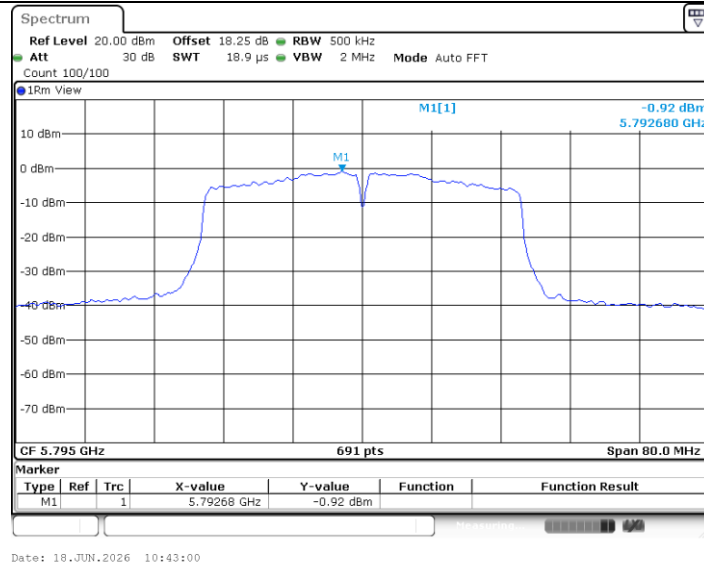
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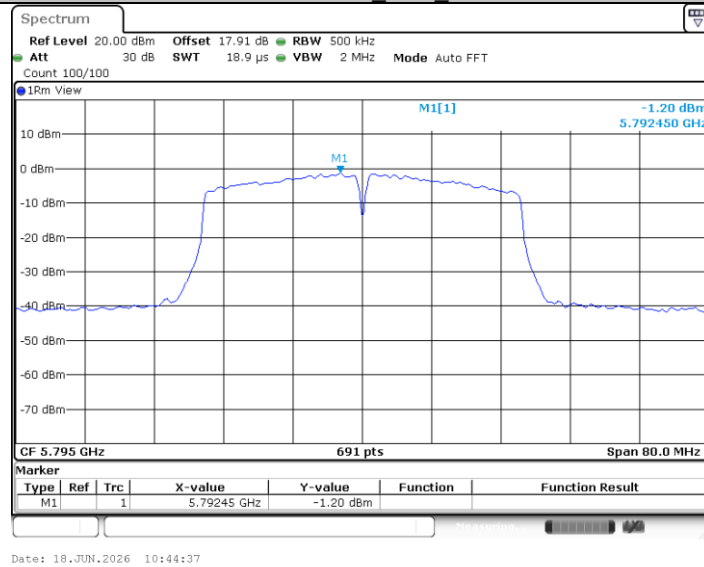
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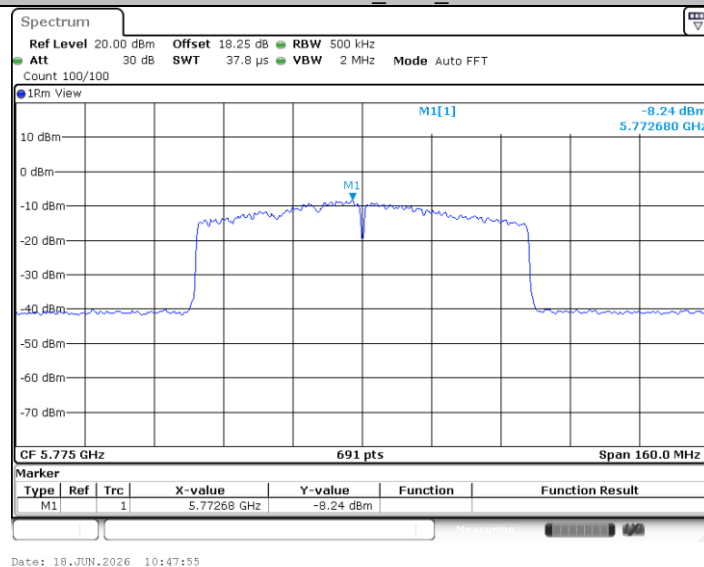
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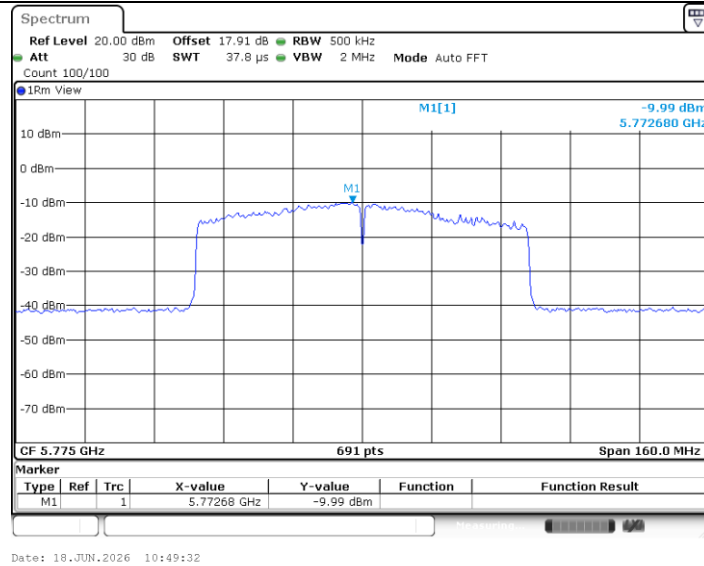
11AC40MIMO_Ant2_5795



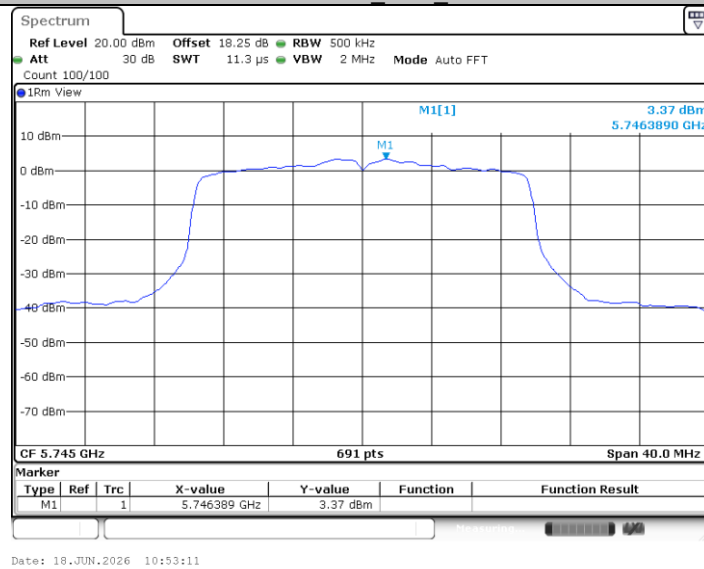
11AC80MIMO_Ant1_5775



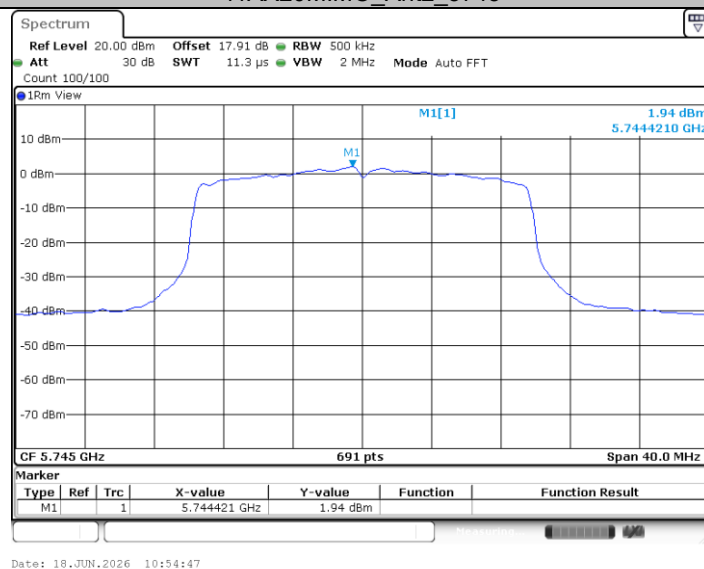
11AC80MIMO_Ant2_5775



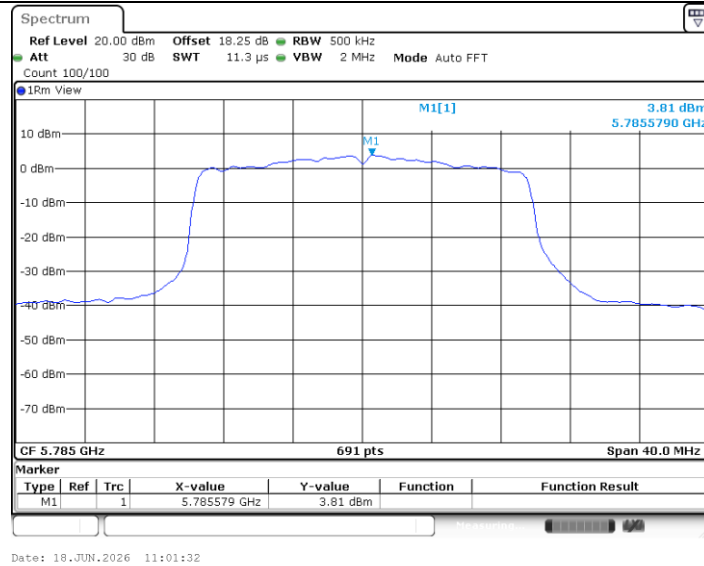
11AX20MIMO_Ant1_5745



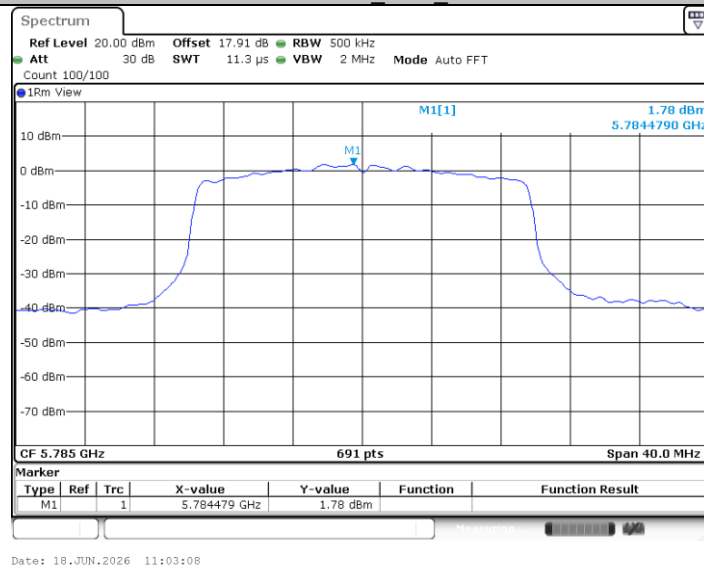
11AX20MIMO_Ant2_5745



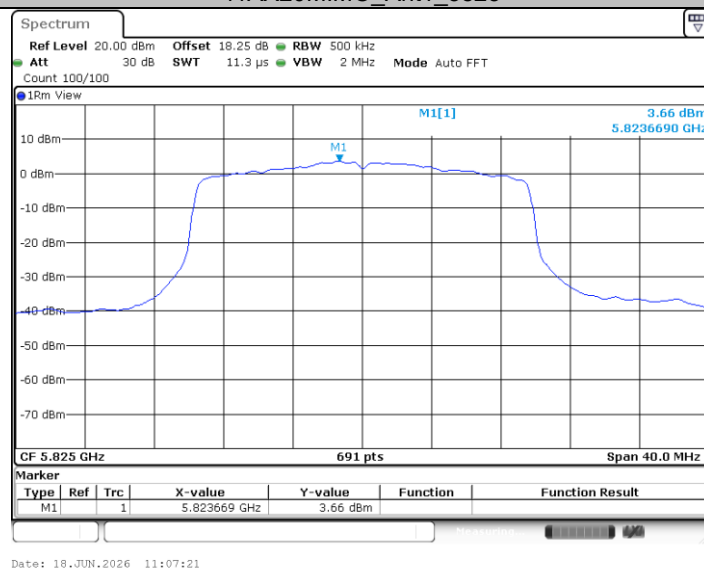
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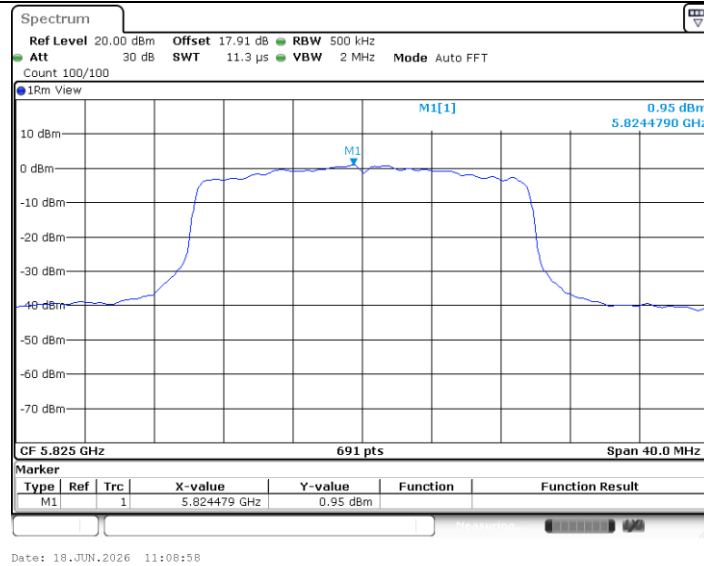
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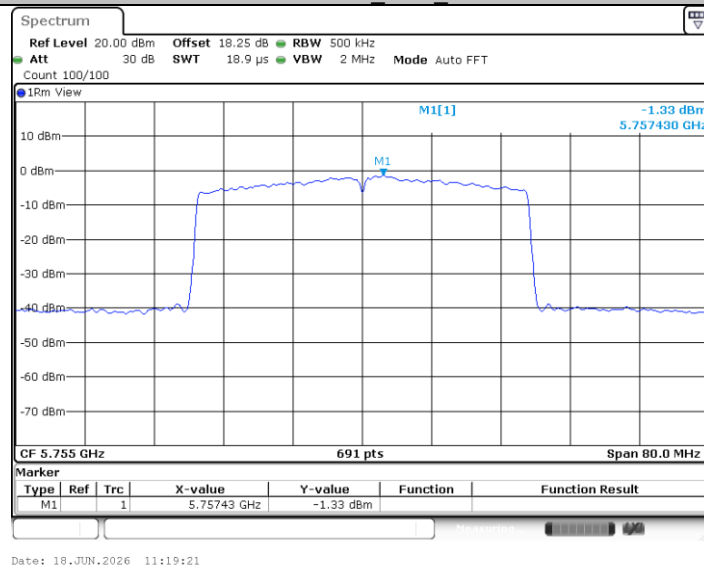
11AX20MIMO_Ant1_5825



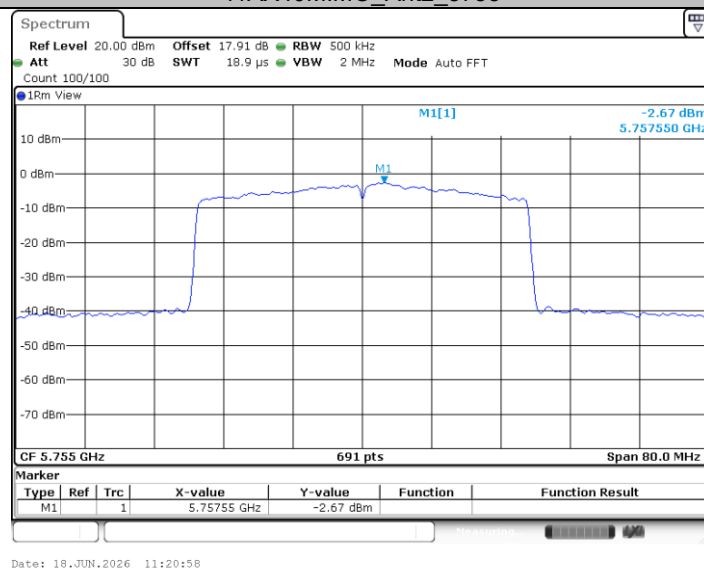
11AX20MIMO_Ant2_5825



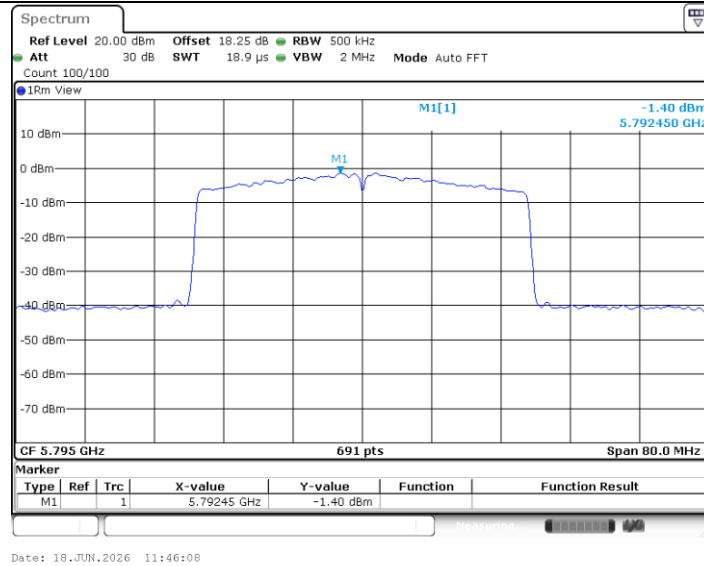
11AX40MIMO_Ant1_5755



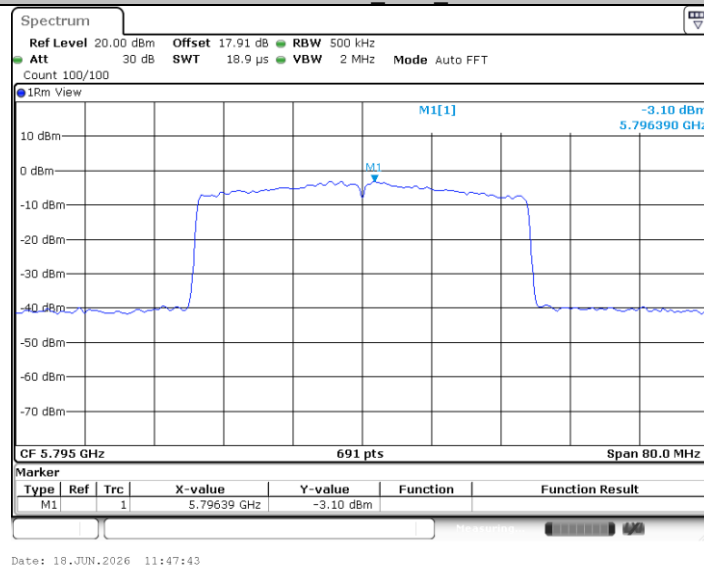
11AX40MIMO_Ant2_5755



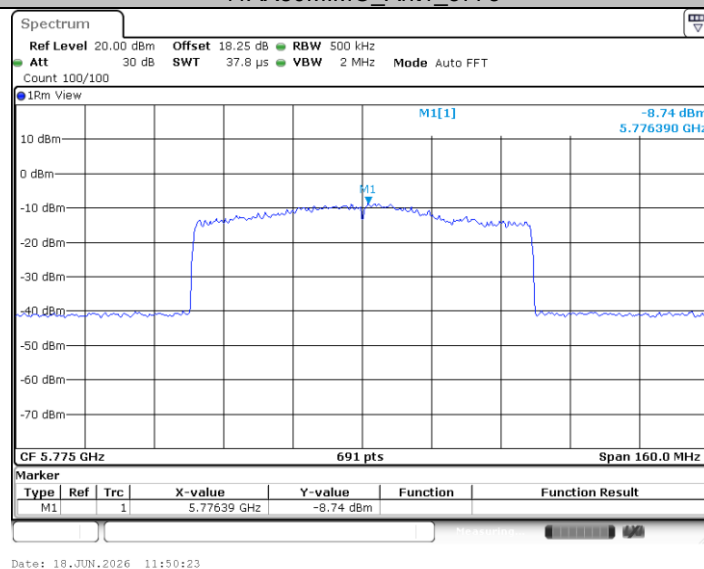
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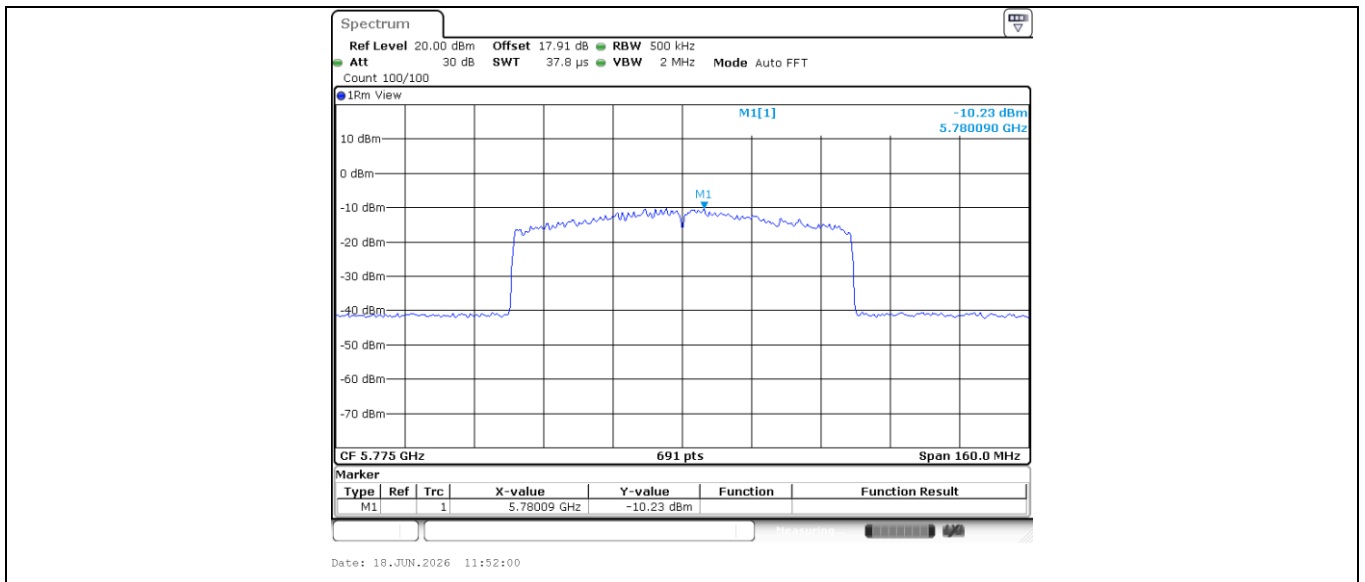
11AX40MIMO_Ant2_5795



11AX80MIMO_Ant1_5775



11AX80MIMO_Ant2_5775



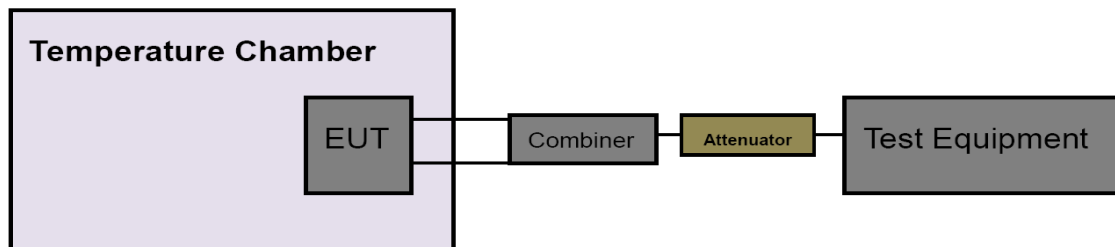
3.7. Frequency Stability

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	22480.00	3.912968	20	PASS
			LV	NT	19980.00	3.477807	20	PASS
			HV	NT	17980.00	3.129678	20	PASS
	Ant2	5745	NV	NT	11490.00	2.000000	20	PASS
			LV	NT	10990.00	1.912968	20	PASS
			HV	NT	10490.00	1.825936	20	PASS
	Ant1	5785	NV	NT	14490.00	2.504754	20	PASS
			LV	NT	12490.00	2.159032	20	PASS
			HV	NT	11490.00	1.986171	20	PASS
	Ant2	5785	NV	NT	10990.00	1.899741	20	PASS
			LV	NT	10990.00	1.899741	20	PASS
			HV	NT	10990.00	1.899741	20	PASS
	Ant1	5825	NV	NT	14990.00	2.573391	20	PASS
			LV	NT	13490.00	2.315880	20	PASS
			HV	NT	11990.00	2.058369	20	PASS
	Ant2	5825	NV	NT	10990.00	1.886695	20	PASS
			LV	NT	11490.00	1.972532	20	PASS
			HV	NT	11490.00	1.972532	20	PASS
11AX40MIM O	Ant1	5755	NV	NT	15480.00	2.689835	20	PASS
			LV	NT	13490.00	2.344049	20	PASS
			HV	NT	11990.00	2.083406	20	PASS
	Ant2	5755	NV	NT	9490.00	1.649001	20	PASS
			LV	NT	9490.00	1.649001	20	PASS
			HV	NT	9490.00	1.649001	20	PASS
	Ant1	5795	NV	NT	14490.00	2.500431	20	PASS
			LV	NT	11990.00	2.069025	20	PASS
			HV	NT	10990.00	1.896462	20	PASS
	Ant2	5795	NV	NT	9490.00	1.637619	20	PASS
			LV	NT	9490.00	1.637619	20	PASS
			HV	NT	9490.00	1.637619	20	PASS
11AX80MIM O	Ant1	5775	NV	NT	14990.00	2.595671	20	PASS
			LV	NT	11990.00	2.076190	20	PASS
			HV	NT	11490.00	1.989610	20	PASS
	Ant2	5775	NV	NT	8990.00	1.556710	20	PASS
			LV	NT	8990.00	1.556710	20	PASS
			HV	NT	8990.00	1.556710	20	PASS

Temperature								
TestMode	Antenna	Freq(MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AX20MIM O	Ant1	5745	NV	0	15980.00	2.781549	20	PASS
			NV	10	14990.00	2.609225	20	PASS
			NV	20	13990.00	2.435161	20	PASS
			NV	30	13490.00	2.348129	20	PASS
			NV	40	12490.00	2.174064	20	PASS
			NV	45	11990.00	2.087032	20	PASS
	Ant2	5745	NV	0	10490.00	1.825936	20	PASS
			NV	10	10490.00	1.825936	20	PASS
			NV	20	10490.00	1.825936	20	PASS
			NV	30	9490.00	1.651871	20	PASS
			NV	40	9490.00	1.651871	20	PASS
			NV	45	9990.00	1.738903	20	PASS
	Ant1	5785	NV	0	11490.00	1.986171	20	PASS
			NV	10	11490.00	1.986171	20	PASS
			NV	20	11490.00	1.986171	20	PASS
			NV	30	10990.00	1.899741	20	PASS
			NV	40	10990.00	1.899741	20	PASS
			NV	45	10490.00	1.813310	20	PASS
	Ant2	5785	NV	0	10990.00	1.899741	20	PASS

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Fax: (86)755-27521011

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TRF No: CTC-TR-062_A5

Master TRF : Dated 2026-06-01

			NV	10	10990.00	1.899741	20	PASS
			NV	20	10990.00	1.899741	20	PASS
			NV	30	10990.00	1.899741	20	PASS
			NV	40	10990.00	1.899741	20	PASS
			NV	45	10990.00	1.899741	20	PASS
	Ant1	5825	NV	0	11990.00	2.058369	20	PASS
			NV	10	11990.00	2.058369	20	PASS
			NV	20	11490.00	1.972532	20	PASS
			NV	30	11990.00	2.058369	20	PASS
			NV	40	11490.00	1.972532	20	PASS
	Ant2	5825	NV	45	11490.00	1.972532	20	PASS
			NV	0	11990.00	2.058369	20	PASS
			NV	10	11990.00	2.058369	20	PASS
			NV	20	11490.00	1.972532	20	PASS
			NV	30	11490.00	1.972532	20	PASS
	11AX40MIM O	Ant1	5755	NV	40	10990.00	1.886695	20
NV				45	10990.00	1.886695	20	PASS
NV				0	11490.00	1.996525	20	PASS
NV				10	10990.00	1.909644	20	PASS
NV				20	10490.00	1.822763	20	PASS
Ant2		5755	NV	30	9990.00	1.735882	20	PASS
			NV	40	9990.00	1.735882	20	PASS
			NV	45	10490.00	1.822763	20	PASS
			NV	0	9490.00	1.649001	20	PASS
			NV	10	9490.00	1.649001	20	PASS
Ant1		5795	NV	20	9490.00	1.649001	20	PASS
			NV	30	8990.00	1.562120	20	PASS
			NV	40	9490.00	1.649001	20	PASS
			NV	45	9490.00	1.649001	20	PASS
			NV	0	10490.00	1.810181	20	PASS
Ant2		5795	NV	10	10490.00	1.810181	20	PASS
	NV		20	9990.00	1.723900	20	PASS	
	NV		30	9990.00	1.723900	20	PASS	
	NV		40	9990.00	1.723900	20	PASS	
	NV		45	9990.00	1.723900	20	PASS	
11AX80MIM O	Ant1	5775	NV	0	9490.00	1.637619	20	PASS
			NV	10	9490.00	1.637619	20	PASS
			NV	20	9490.00	1.637619	20	PASS
			NV	30	9490.00	1.637619	20	PASS
			NV	40	9490.00	1.637619	20	PASS
	Ant2	5775	NV	45	8990.00	1.551337	20	PASS
			NV	0	10490.00	1.816450	20	PASS
			NV	10	10490.00	1.816450	20	PASS
			NV	20	9990.00	1.729870	20	PASS
			NV	30	9990.00	1.729870	20	PASS
	Ant1	5775	NV	40	9490.00	1.643290	20	PASS
			NV	45	9490.00	1.643290	20	PASS
			NV	0	8990.00	1.556710	20	PASS
			NV	10	8990.00	1.556710	20	PASS
			NV	20	8990.00	1.556710	20	PASS
	Ant2	5775	NV	30	8990.00	1.556710	20	PASS
NV			40	8990.00	1.556710	20	PASS	
NV			45	8490.00	1.470130	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*****