



11N40SISO-Ant1-5230-PASS



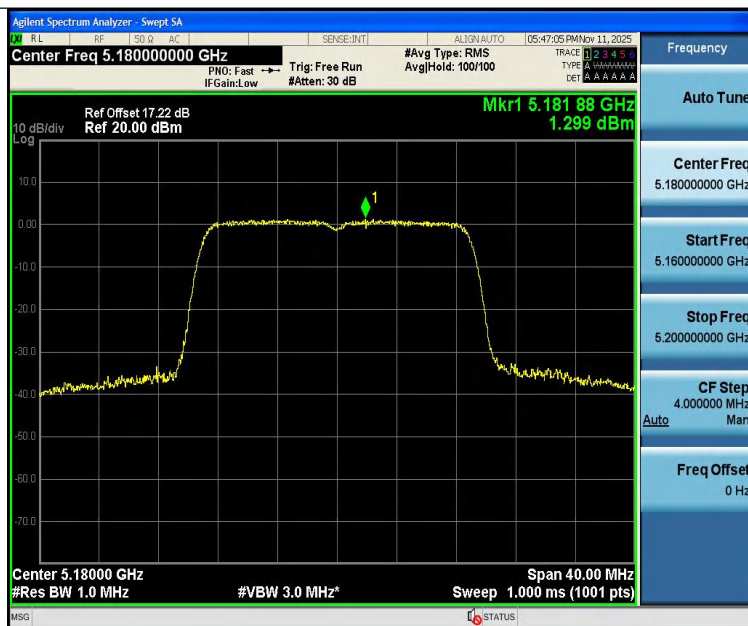
11N40SISO-Ant1-5755-PASS



11N40SISO-Ant1-5795-PASS



11AC20SISO-Ant1-5180-PASS



11AC20SISO-Ant1-5200-PASS



11AC20SISO-Ant1-5240-PASS



11AC20SISO-Ant1-5745-PASS



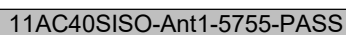
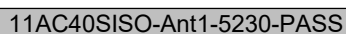
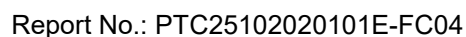
11AC20SISO-Ant1-5785-PASS



11AC20SISO-Ant1-5825-PASS



11AC40SISO-Ant1-5190-PASS





11AC40SISO-Ant1-5795-PASS



Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.



9.4 Antenna Requirement

For intentional device, according to FCC 47 CFR 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. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

9.5 Result

The EUT'S antenna, permanent attached antenna, is External antenna. The antenna's gain is 3.31 dBi and meets the requirement.

10 Frequency Stability

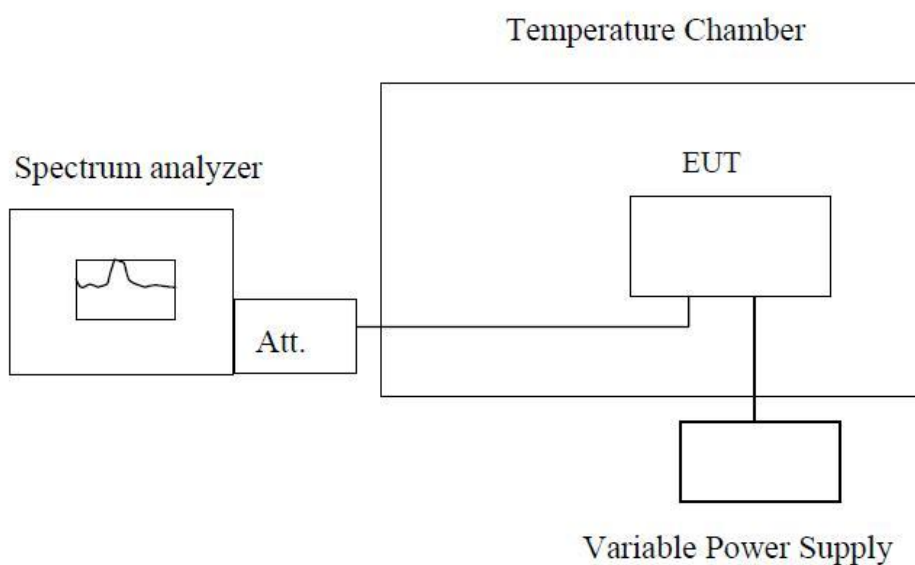
Test Requirement : FCC Part15 E Section 15.407 (g)

Test Limit
Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

10.1 Test Procedure

1. The EUT is installed in an environment test chamber with external power source.
2. Set the chamber to operate at 50 centigrade and external power source to output at nominal voltage of EUT.
3. A sufficient stabilization period at each temperature is used prior to each frequency measurement.
4. When temperature is stabled, measure the frequency stability.
5. The test shall be performed under -30 to 50 centigrade and 85 to 115 percent of the nominal voltage. Change setting of chamber and external power source to complete all conditions.

10.2 Test Setup





10.3 Test Result

TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-14000.00	-2.702703	20	PASS
11A	Ant1	5180	LV	NT	-14000.00	-2.702703	20	PASS
11A	Ant1	5180	HV	NT	-14000.00	-2.702703	20	PASS
11A	Ant1	5200	NV	NT	-17000.00	-3.269231	20	PASS
11A	Ant1	5200	LV	NT	-15000.00	-2.884615	20	PASS
11A	Ant1	5200	HV	NT	-15000.00	-2.884615	20	PASS
11A	Ant1	5240	NV	NT	-17000.00	-3.244275	20	PASS
11A	Ant1	5240	LV	NT	-15000.00	-2.862595	20	PASS
11A	Ant1	5240	HV	NT	-14000.00	-2.671756	20	PASS
11A	Ant1	5745	NV	NT	-18000.00	-3.133159	20	PASS
11A	Ant1	5745	LV	NT	-16000.00	-2.785030	20	PASS
11A	Ant1	5745	HV	NT	-15000.00	-2.610966	20	PASS
11A	Ant1	5785	NV	NT	-16000.00	-2.765774	20	PASS
11A	Ant1	5785	LV	NT	-16000.00	-2.765774	20	PASS
11A	Ant1	5785	HV	NT	-15000.00	-2.592913	20	PASS
11A	Ant1	5825	NV	NT	-16000.00	-2.746781	20	PASS
11A	Ant1	5825	LV	NT	-14000.00	-2.403433	20	PASS
11A	Ant1	5825	HV	NT	-13000.00	-2.231760	20	PASS
11N20SISO	Ant1	5180	NV	NT	-14000.00	-2.702703	20	PASS
11N20SISO	Ant1	5180	LV	NT	-13000.00	-2.509653	20	PASS
11N20SISO	Ant1	5180	HV	NT	-13000.00	-2.509653	20	PASS
11N20SISO	Ant1	5200	NV	NT	-16000.00	-3.076923	20	PASS
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11N20SISO	Ant1	5240	HV	NT	-11000.00	-2.099237	20	PASS
11N20SISO	Ant1	5745	NV	NT	-18000.00	-3.133159	20	PASS
11N20SISO	Ant1	5745	LV	NT	-16000.00	-2.785030	20	PASS
11N20SISO	Ant1	5745	HV	NT	-15000.00	-2.610966	20	PASS
11N20SISO	Ant1	5785	NV	NT	-20000.00	-3.457217	20	PASS
11N20SISO	Ant1	5785	LV	NT	-18000.00	-3.111495	20	PASS
11N20SISO	Ant1	5785	HV	NT	-17000.00	-2.938634	20	PASS
11N20SISO	Ant1	5825	NV	NT	-18000.00	-3.090129	20	PASS
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11N40SISO	Ant1	5230	NV	NT	-18000.00	-3.441683	20	PASS
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11N40SISO	Ant1	5755	LV	NT	-17000.00	-2.953953	20	PASS
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11N40SISO	Ant1	5795	NV	NT	-20000.00	-3.451251	20	PASS
11N40SISO	Ant1	5795	LV	NT	-18000.00	-3.106126	20	PASS
11N40SISO	Ant1	5795	HV	NT	-18000.00	-3.106126	20	PASS
11AC20SISO	Ant1	5180	NV	NT	-18000.00	-3.474903	20	PASS
11AC20SISO	Ant1	5180	LV	NT	-17000.00	-3.281853	20	PASS



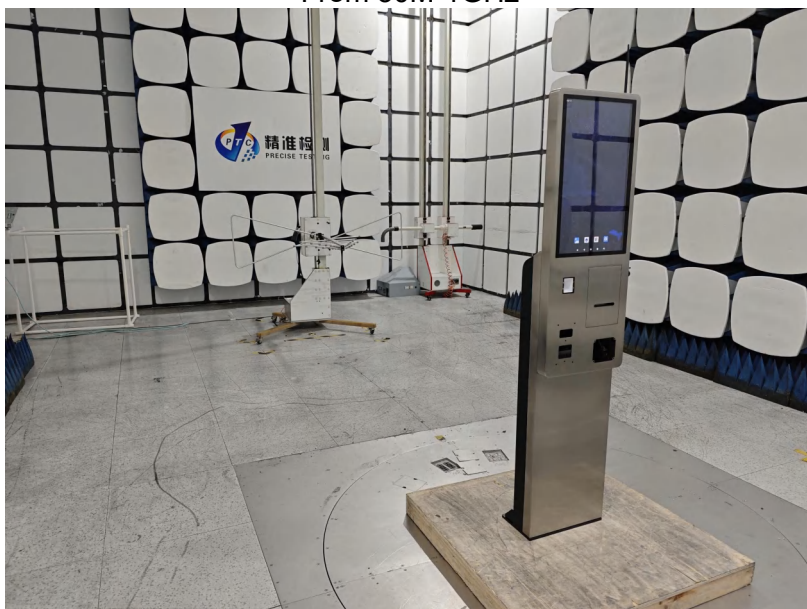
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11AC20SIS O	Ant1	5240	HV	NT	-17000.00	-3.244275	20	PASS
11AC20SIS O	Ant1	5745	NV	NT	-21000.00	-3.655352	20	PASS
11AC20SIS O	Ant1	5745	LV	NT	-19000.00	-3.307224	20	PASS
11AC20SIS O	Ant1	5745	HV	NT	-19000.00	-3.307224	20	PASS
11AC20SIS O	Ant1	5785	NV	NT	-21000.00	-3.630078	20	PASS
11AC20SIS O	Ant1	5785	LV	NT	-20000.00	-3.457217	20	PASS
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11AC20SIS O	Ant1	5825	NV	NT	-21000.00	-3.605150	20	PASS
11AC20SIS O	Ant1	5825	LV	NT	-19000.00	-3.261803	20	PASS
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11AC40SIS O	Ant1	5190	NV	NT	-19000.00	-3.660886	20	PASS
11AC40SIS O	Ant1	5190	LV	NT	-17000.00	-3.275530	20	PASS
11AC40SIS O	Ant1	5190	HV	NT	-17000.00	-3.275530	20	PASS
11AC40SIS O	Ant1	5230	NV	NT	-20000.00	-3.824092	20	PASS
11AC40SIS O	Ant1	5230	LV	NT	-18000.00	-3.441683	20	PASS
11AC40SIS O	Ant1	5230	HV	NT	-17000.00	-3.250478	20	PASS
11AC40SIS O	Ant1	5755	NV	NT	-20000.00	-3.475239	20	PASS
11AC40SIS O	Ant1	5755	LV	NT	-19000.00	-3.301477	20	PASS
11AC40SIS O	Ant1	5755	HV	NT	-18000.00	-3.127715	20	PASS
11AC40SIS O	Ant1	5795	NV	NT	-21000.00	-3.623814	20	PASS
11AC40SIS O	Ant1	5795	LV	NT	-19000.00	-3.278689	20	PASS
11AC40SIS O	Ant1	5795	HV	NT	-19000.00	-3.278689	20	PASS

11 Test Setup

Conducted Emissions



Radiated Emissions From 30M-1GHz

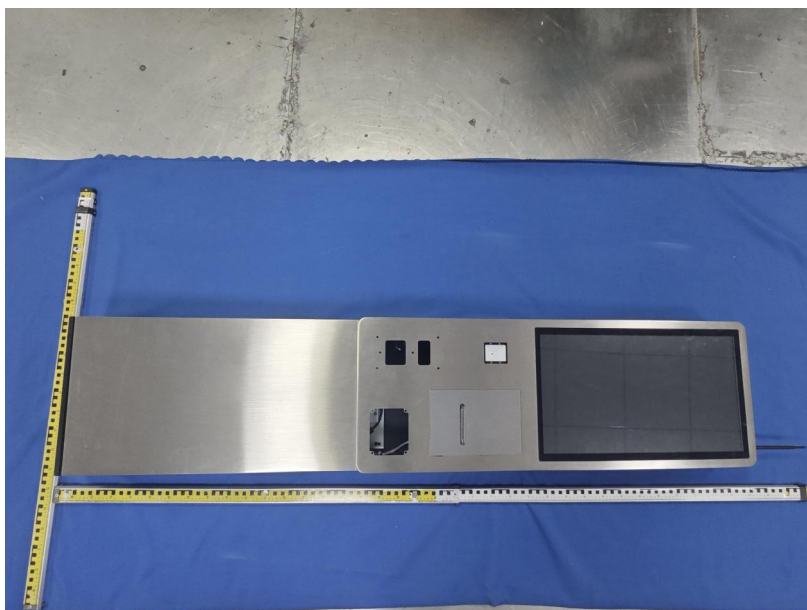


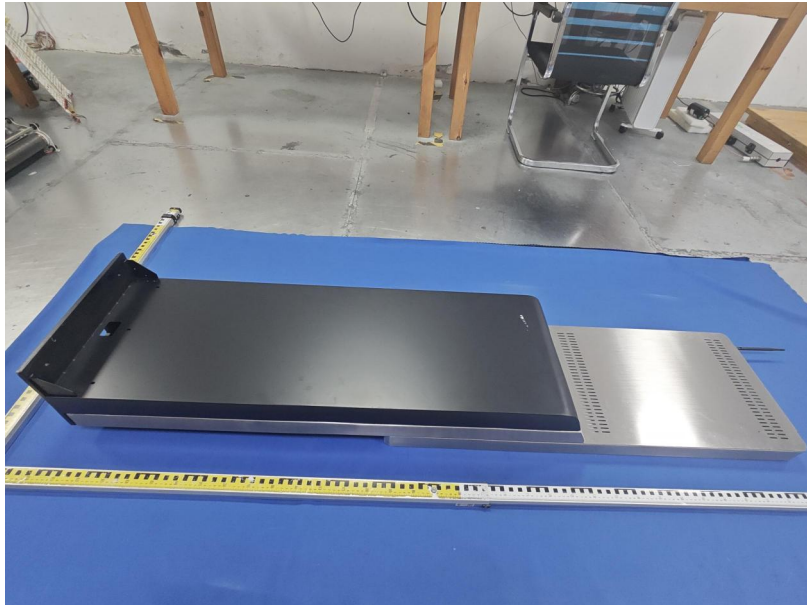


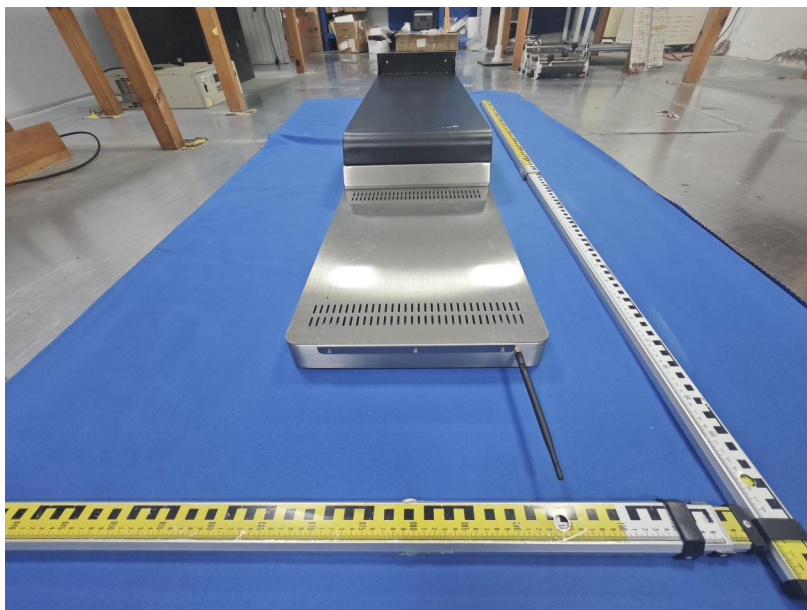
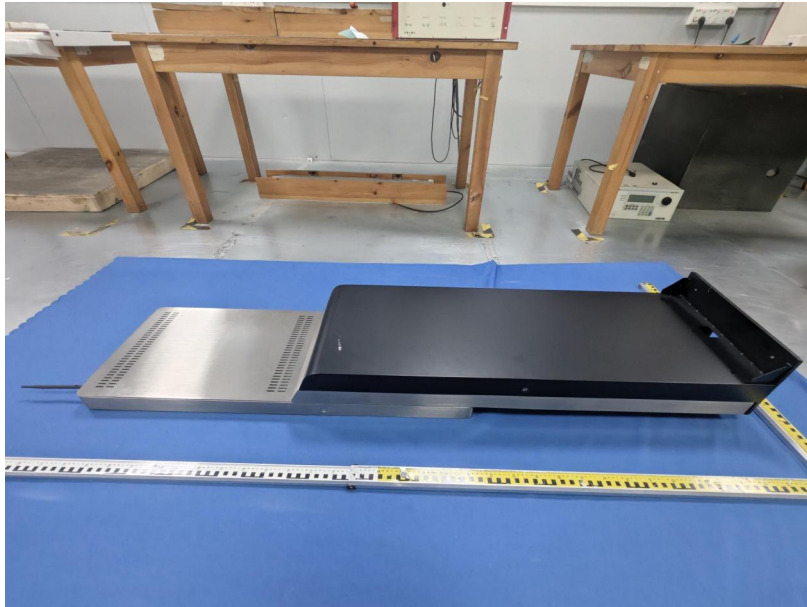
Above 1GHz

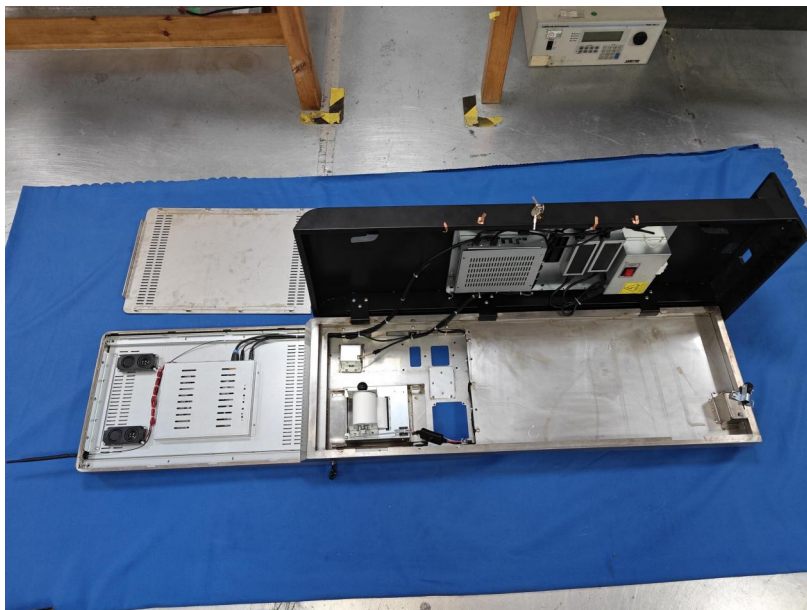


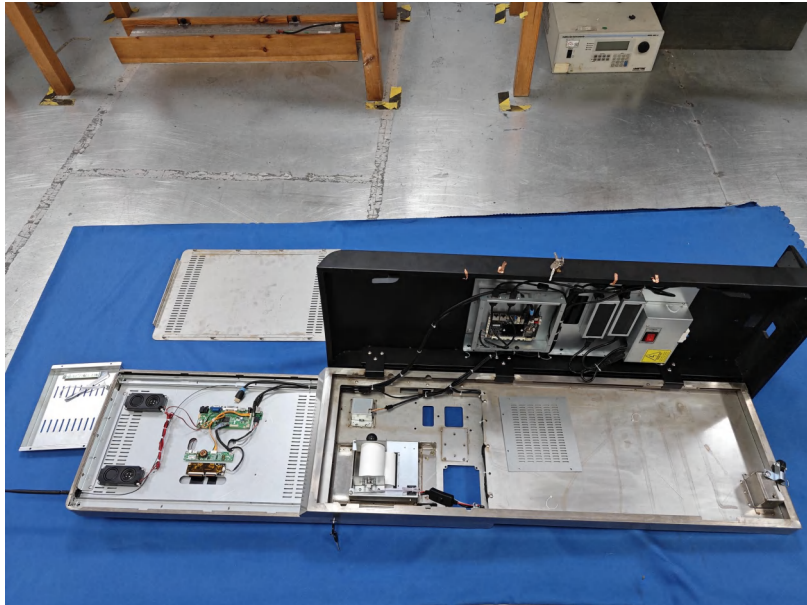
12 EUT PHOTOS

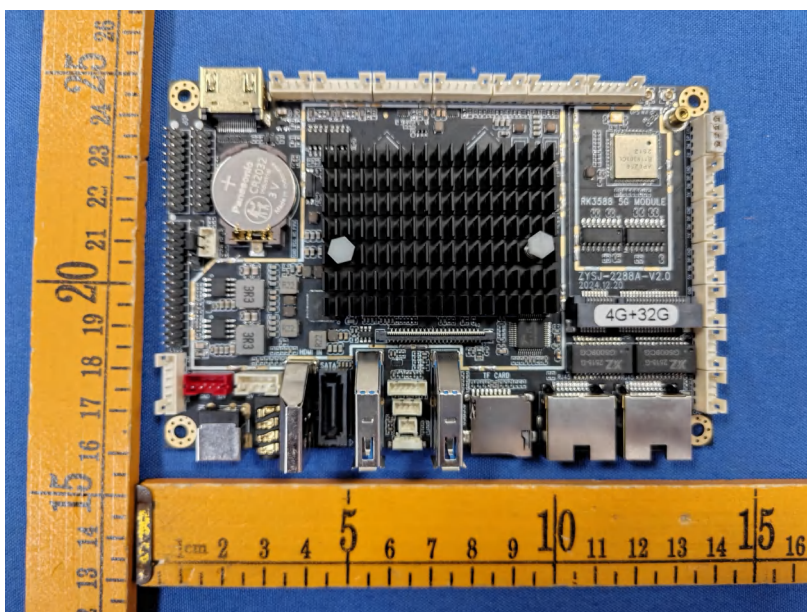
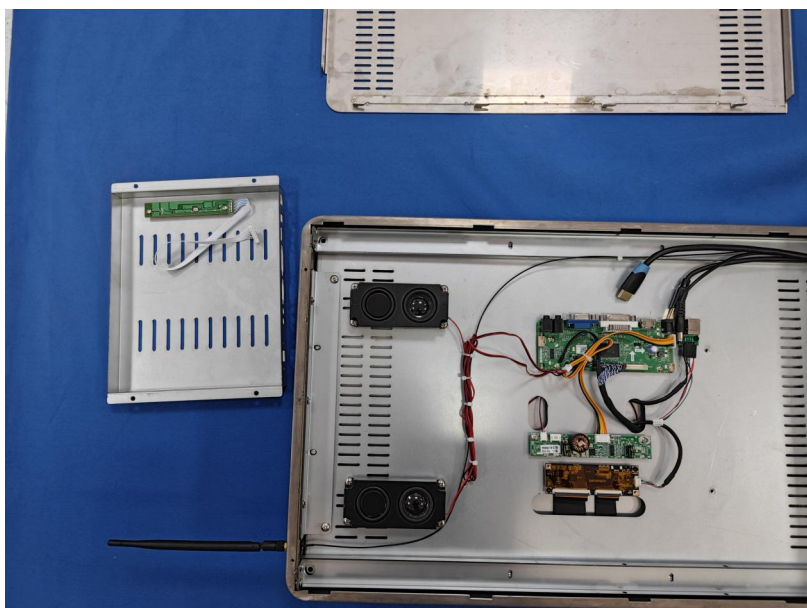


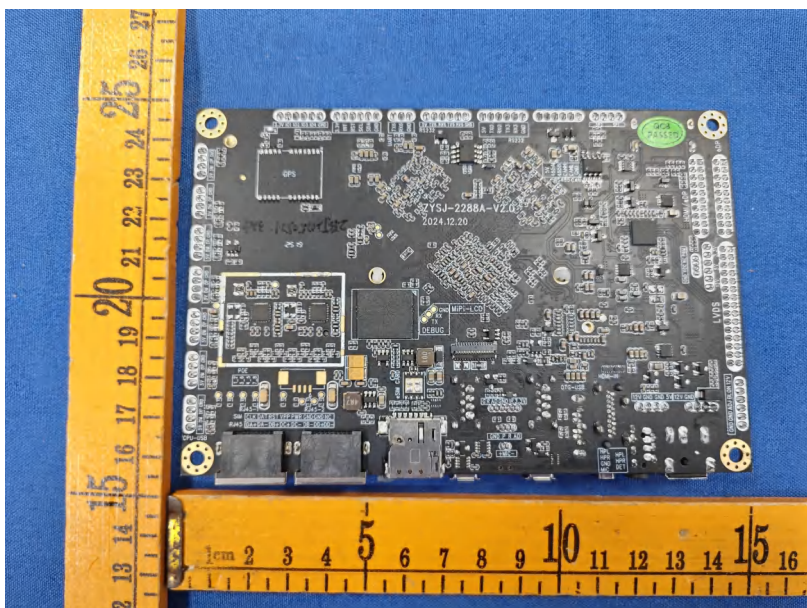


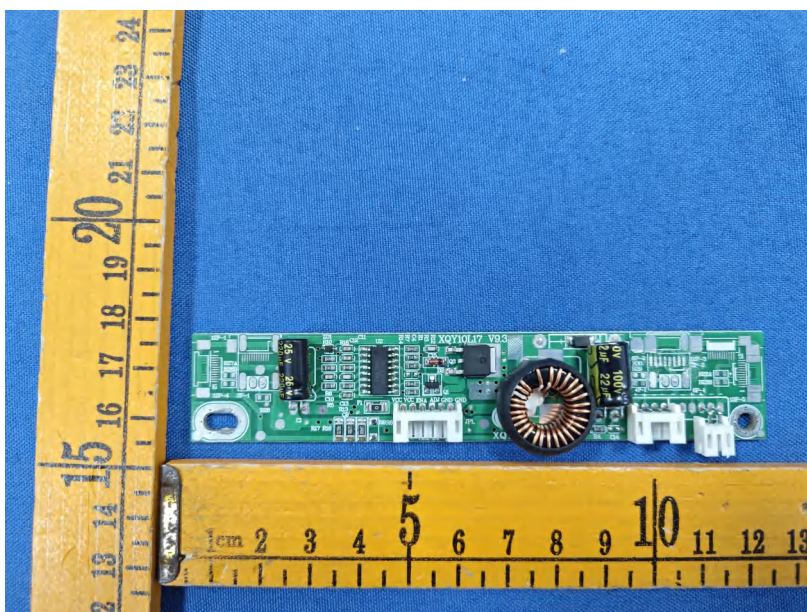


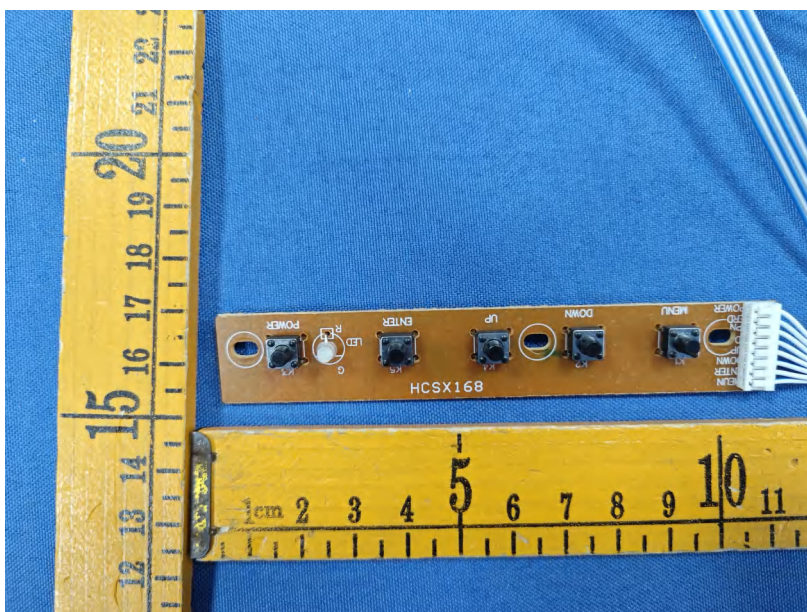
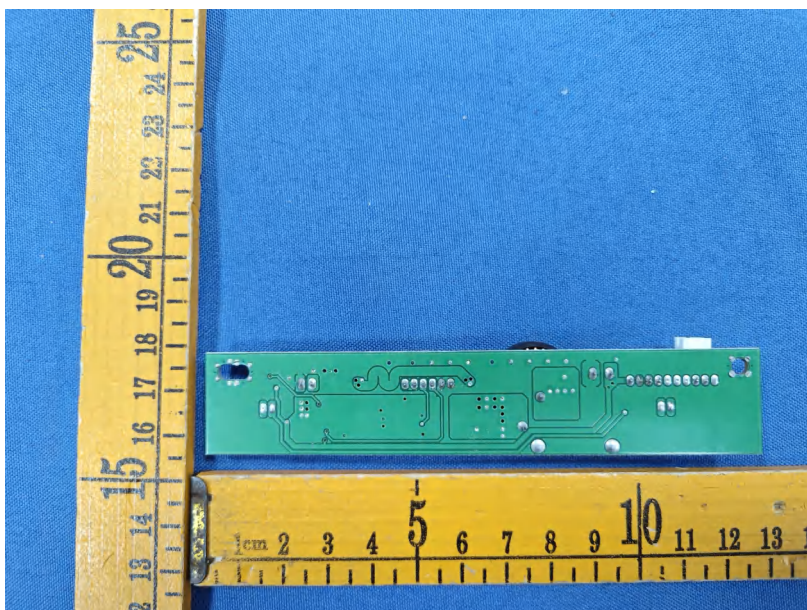


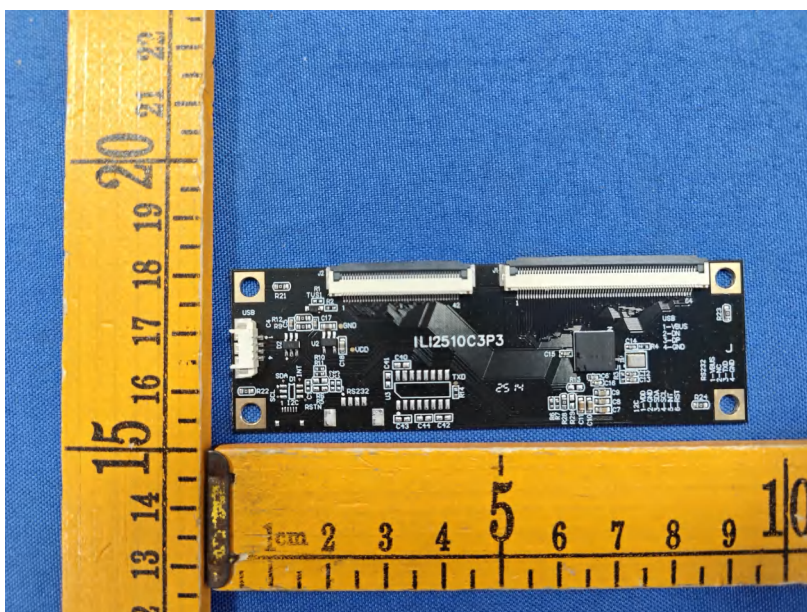
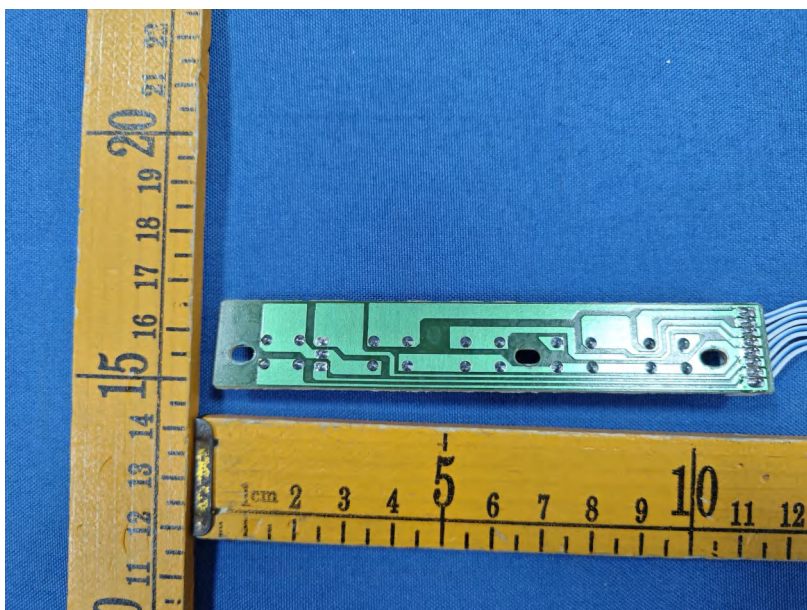


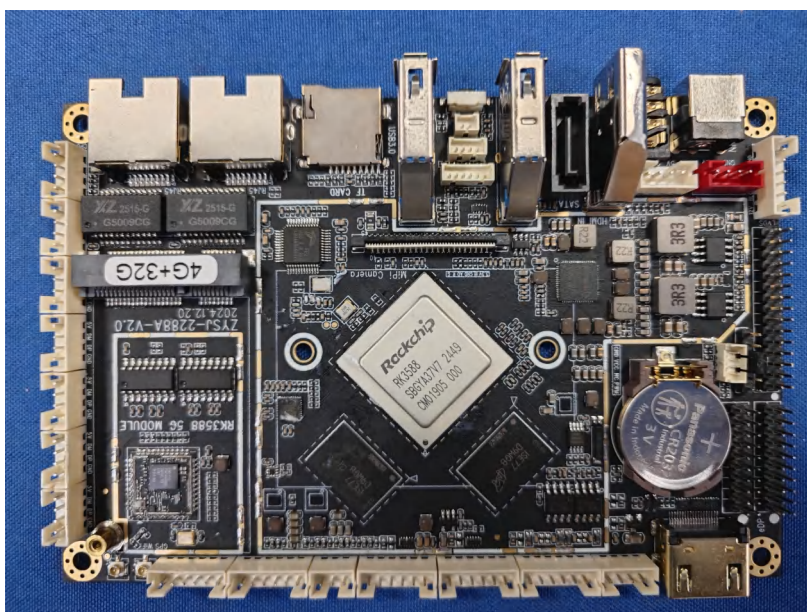
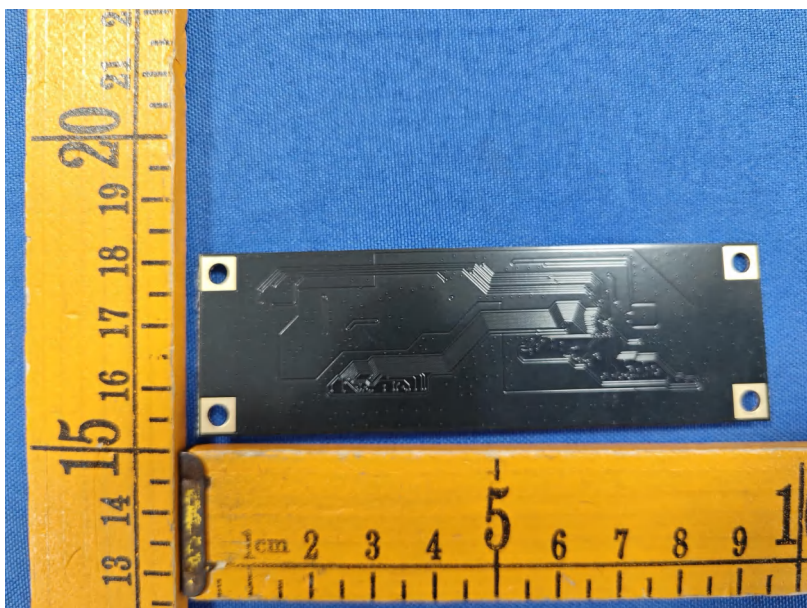


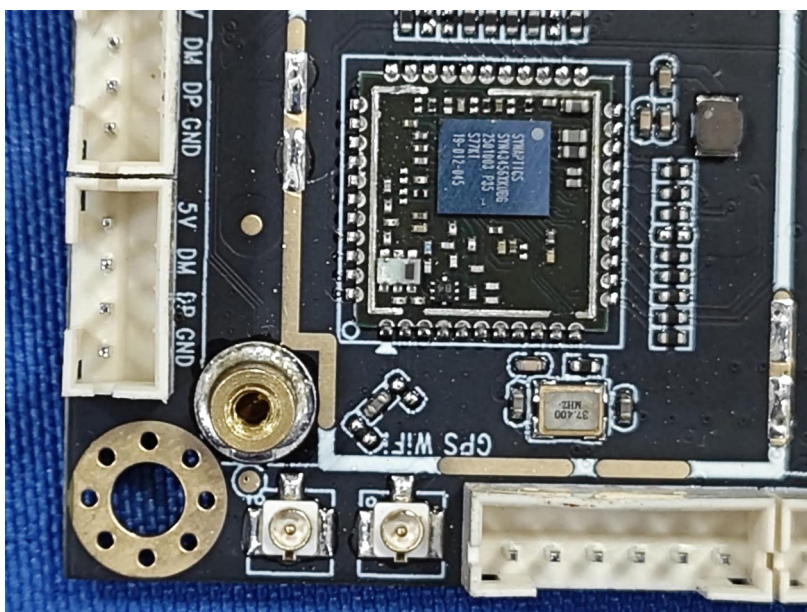
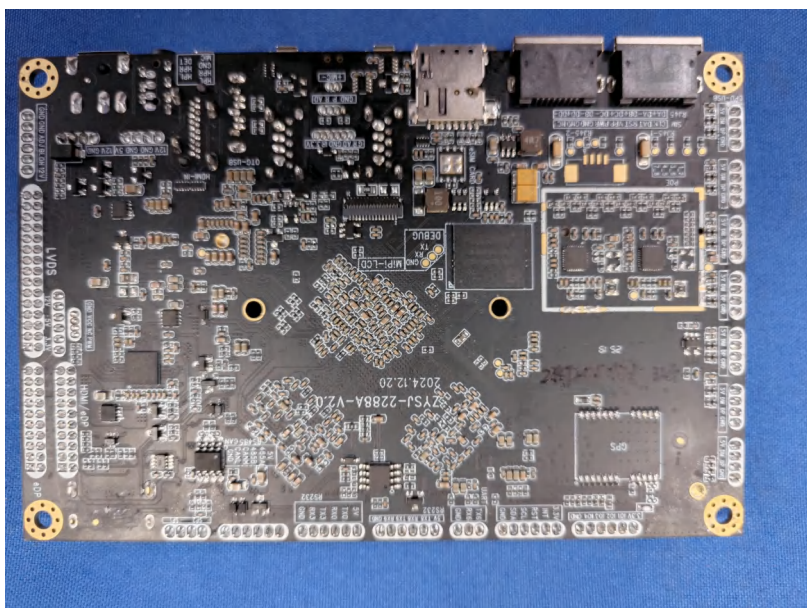














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