



11A-Ant1-5745-PASS



11A-Ant1-5785-PASS



11A-Ant1-5825-PASS



11N20SISO-Ant1-5180-PASS



11N20SISO-Ant1-5200-PASS



11N20SISO-Ant1-5240-PASS



11N20SISO-Ant1-5745-PASS



11N20SISO-Ant1-5785-PASS



11N20SISO-Ant1-5825-PASS



11N40SISO-Ant1-5190-PASS



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-Ant1-5230-PASS



11AC40SISO-Ant1-5755-PASS



11AC40SISO-Ant1-5795-PASS



11AC80SISO-Ant1-5210-PASS



11AC80SISO-Ant1-5775-PASS



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



10 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.

10.1 Result

The EUT'S antenna, permanent attached antenna, is Integrated Antenna. The antenna's gain is 2.93 dBi and meets the requirement.

11 Frequency Stability

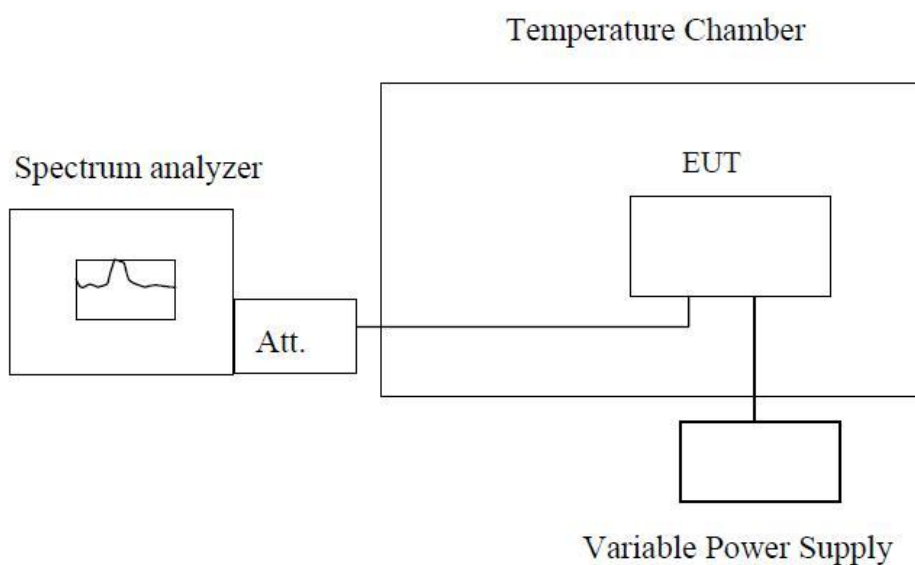
Test Requirement : FCC Part15 E Section 15.407 (g)

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.

11.1 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.

11.2 Test Setup





11.3 Test Result

TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-34000.00	-6.563707	20	PASS
11A	Ant1	5180	LV	NT	-33000.00	-6.370656	20	PASS
11A	Ant1	5180	HV	NT	-33000.00	-6.370656	20	PASS
11A	Ant1	5200	NV	NT	-34000.00	-6.538462	20	PASS
11A	Ant1	5200	LV	NT	-33000.00	-6.346154	20	PASS
11A	Ant1	5200	HV	NT	-33000.00	-6.346154	20	PASS
11A	Ant1	5240	NV	NT	-33000.00	-6.297710	20	PASS
11A	Ant1	5240	LV	NT	-33000.00	-6.297710	20	PASS
11A	Ant1	5240	HV	NT	-33000.00	-6.297710	20	PASS
11A	Ant1	5745	NV	NT	-37000.00	-6.440383	20	PASS
11A	Ant1	5745	LV	NT	-36000.00	-6.266319	20	PASS
11A	Ant1	5745	HV	NT	-36000.00	-6.266319	20	PASS
11A	Ant1	5785	NV	NT	-37000.00	-6.395851	20	PASS
11A	Ant1	5785	LV	NT	-36000.00	-6.222990	20	PASS
11A	Ant1	5785	HV	NT	-36000.00	-6.222990	20	PASS
11A	Ant1	5825	NV	NT	-37000.00	-6.351931	20	PASS
11A	Ant1	5825	LV	NT	-37000.00	-6.351931	20	PASS
11A	Ant1	5825	HV	NT	-36000.00	-6.180258	20	PASS
11N20SISO	Ant1	5180	NV	NT	-33000.00	-6.370656	20	PASS
11N20SISO	Ant1	5180	LV	NT	-33000.00	-6.370656	20	PASS
11N20SISO	Ant1	5180	HV	NT	-33000.00	-6.370656	20	PASS
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11N20SISO	Ant1	5240	NV	NT	-34000.00	-6.488550	20	PASS
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11N20SISO	Ant1	5745	NV	NT	-37000.00	-6.440383	20	PASS
11N20SISO	Ant1	5745	LV	NT	-36000.00	-6.266319	20	PASS
11N20SISO	Ant1	5745	HV	NT	-36000.00	-6.266319	20	PASS
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11N40SISO	Ant1	5190	NV	NT	-33000.00	-6.358382	20	PASS
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11N40SISO	Ant1	5795	NV	NT	-37000.00	-6.384814	20	PASS
11N40SISO	Ant1	5795	LV	NT	-36000.00	-6.212252	20	PASS
11N40SISO	Ant1	5795	HV	NT	-36000.00	-6.212252	20	PASS
11AC20SISO	Ant1	5180	NV	NT	-33000.00	-6.370656	20	PASS
11AC20SISO	Ant1	5180	LV	NT	-33000.00	-6.370656	20	PASS



Report No.: PTC25042308101E-FC04

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11AC20SIS O	Ant1	5180	HV	NT	-33000.00	-6.370656	20	PASS
11AC20SIS O	Ant1	5200	NV	NT	-33000.00	-6.346154	20	PASS
11AC20SIS O	Ant1	5200	LV	NT	-33000.00	-6.346154	20	PASS
11AC20SIS O	Ant1	5200	HV	NT	-33000.00	-6.346154	20	PASS
11AC20SIS O	Ant1	5240	NV	NT	-34000.00	-6.488550	20	PASS
11AC20SIS O	Ant1	5240	LV	NT	-33000.00	-6.297710	20	PASS
11AC20SIS O	Ant1	5240	HV	NT	-33000.00	-6.297710	20	PASS
11AC20SIS O	Ant1	5745	NV	NT	-37000.00	-6.440383	20	PASS
11AC20SIS O	Ant1	5745	LV	NT	-36000.00	-6.266319	20	PASS
11AC20SIS O	Ant1	5745	HV	NT	-36000.00	-6.266319	20	PASS
11AC20SIS O	Ant1	5785	NV	NT	-37000.00	-6.395851	20	PASS
11AC20SIS O	Ant1	5785	LV	NT	-37000.00	-6.395851	20	PASS
11AC20SIS O	Ant1	5785	HV	NT	-36000.00	-6.222990	20	PASS
11AC20SIS O	Ant1	5825	NV	NT	-37000.00	-6.351931	20	PASS
11AC20SIS O	Ant1	5825	LV	NT	-36000.00	-6.180258	20	PASS
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11AC40SIS O	Ant1	5190	NV	NT	-33000.00	-6.358382	20	PASS
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11AC40SIS O	Ant1	5230	HV	NT	-33000.00	-6.309751	20	PASS
11AC40SIS O	Ant1	5755	NV	NT	-35000.00	-6.081668	20	PASS
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11AC40SIS O	Ant1	5795	NV	NT	-37000.00	-6.384814	20	PASS
11AC40SIS O	Ant1	5795	LV	NT	-36000.00	-6.212252	20	PASS
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Report No.: PTC25042308101E-FC04

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11AC80SIS O	Ant1	5210	HV	NT	-33000.00	-6.333973	20	PASS
11AC80SIS O	Ant1	5775	NV	NT	-37000.00	-6.406926	20	PASS
11AC80SIS O	Ant1	5775	LV	NT	-36000.00	-6.233766	20	PASS
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12 Test Setup

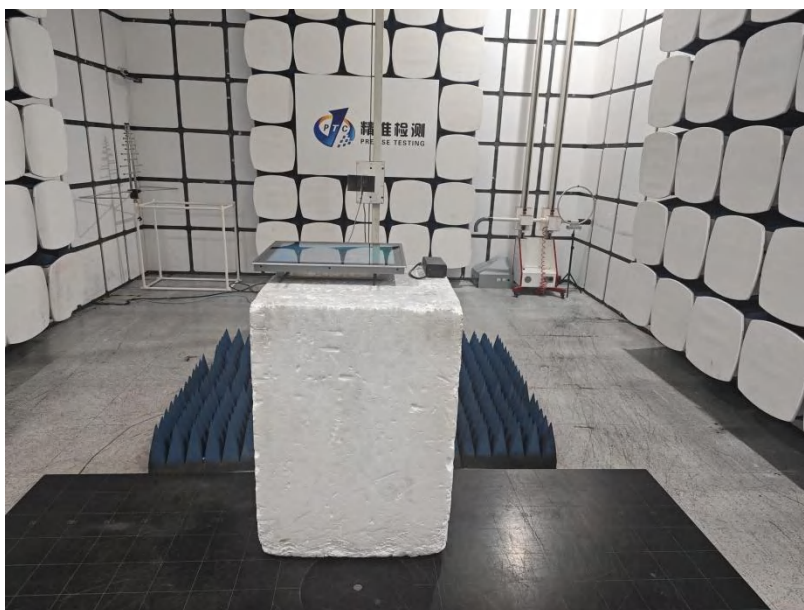
Conducted Emissions



Radiated Emissions
From 30M-1GHz



Above 1GHz

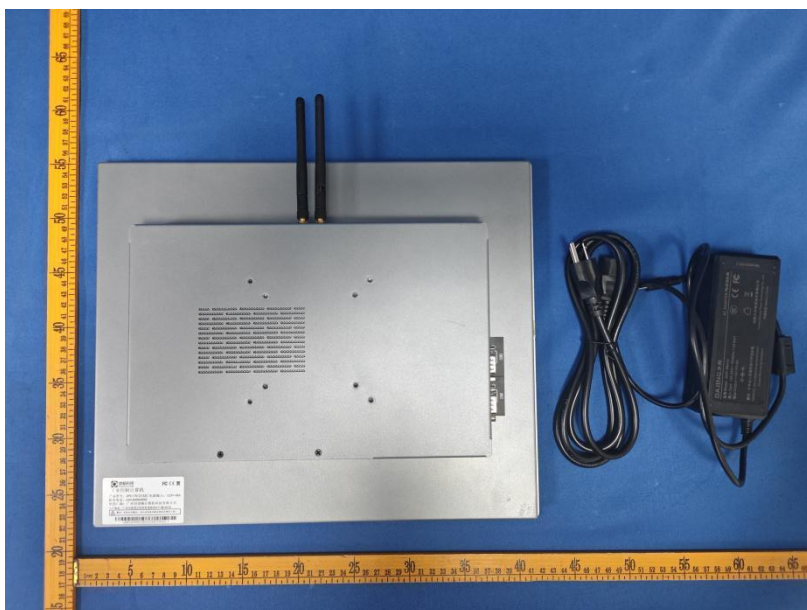


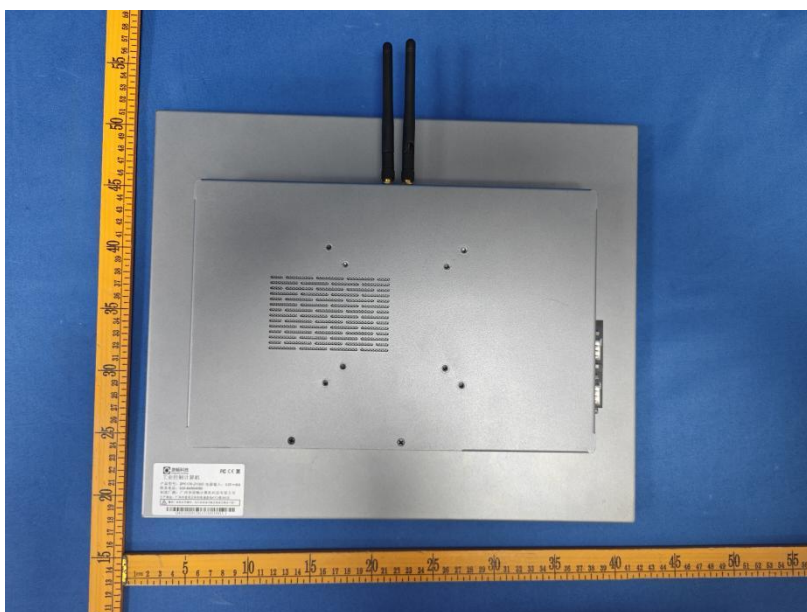
13 EUT PHOTOS



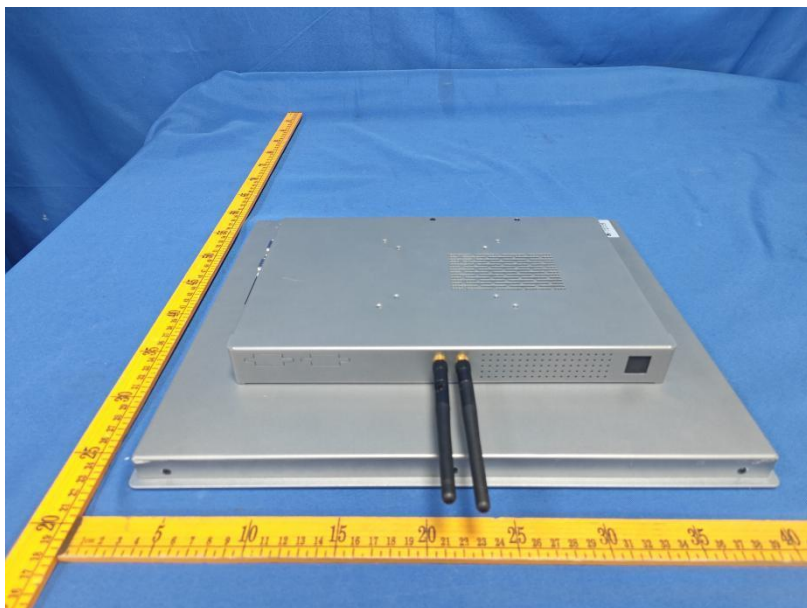




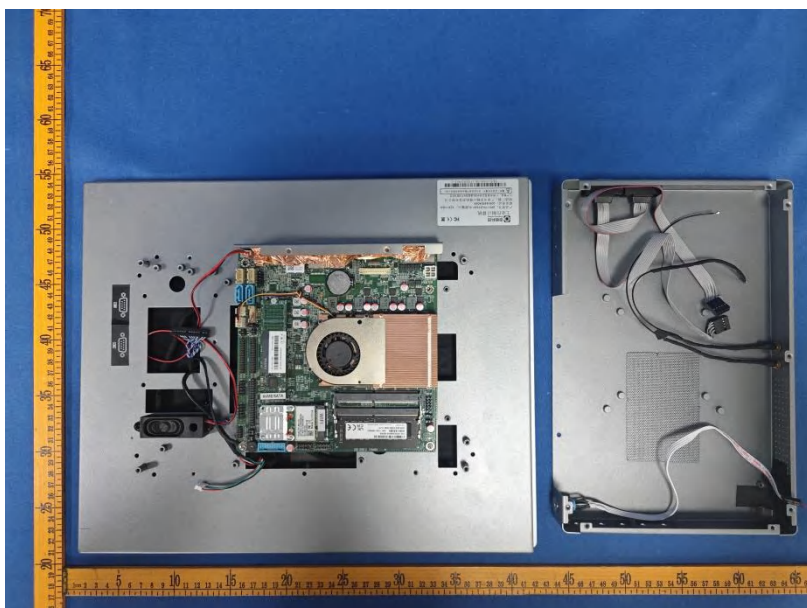


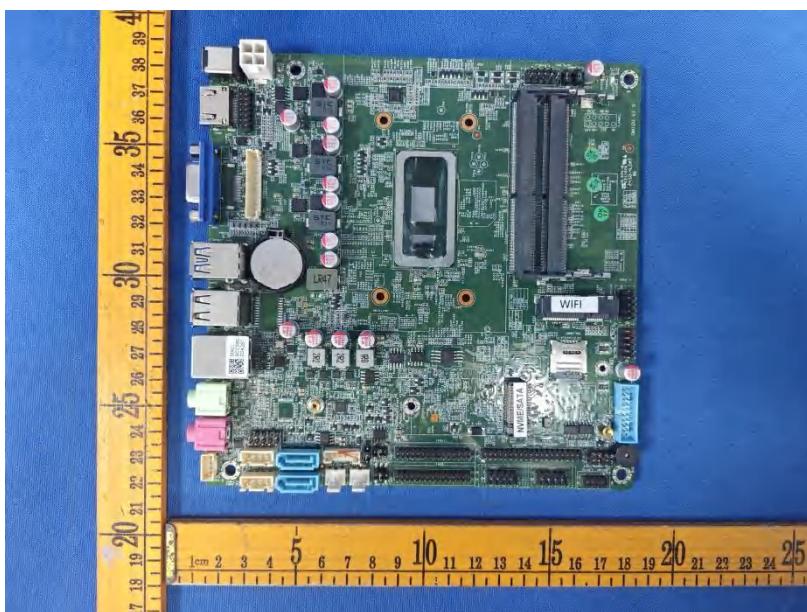


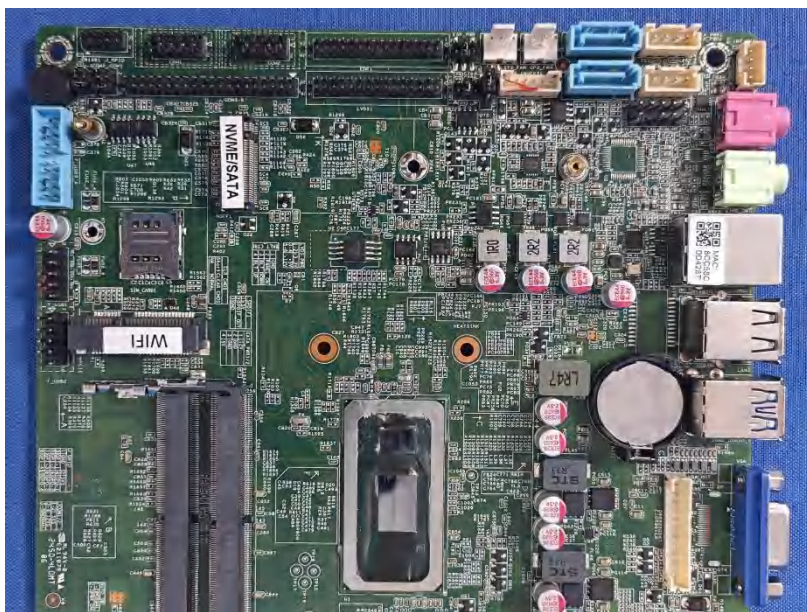
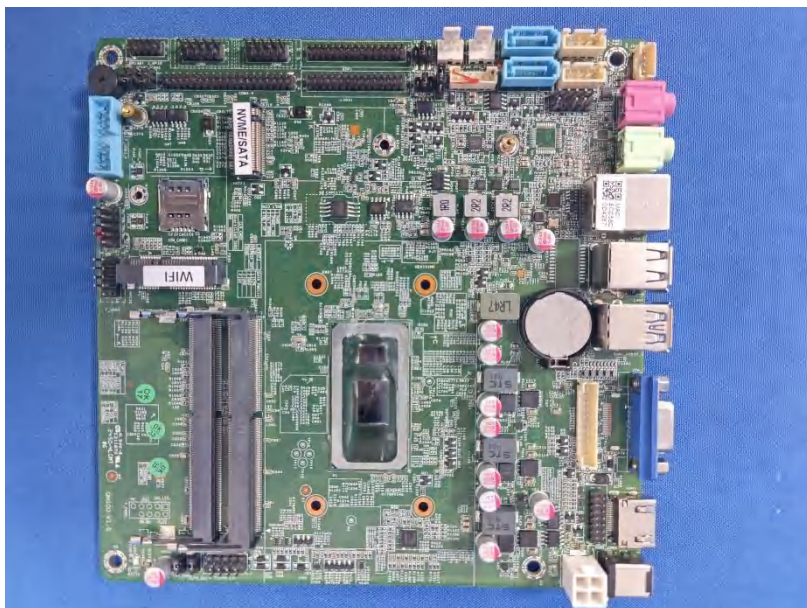


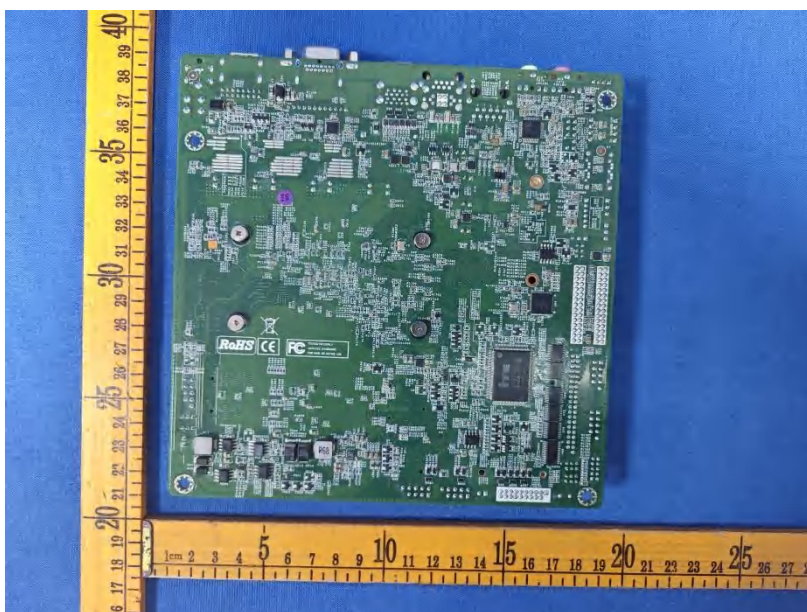
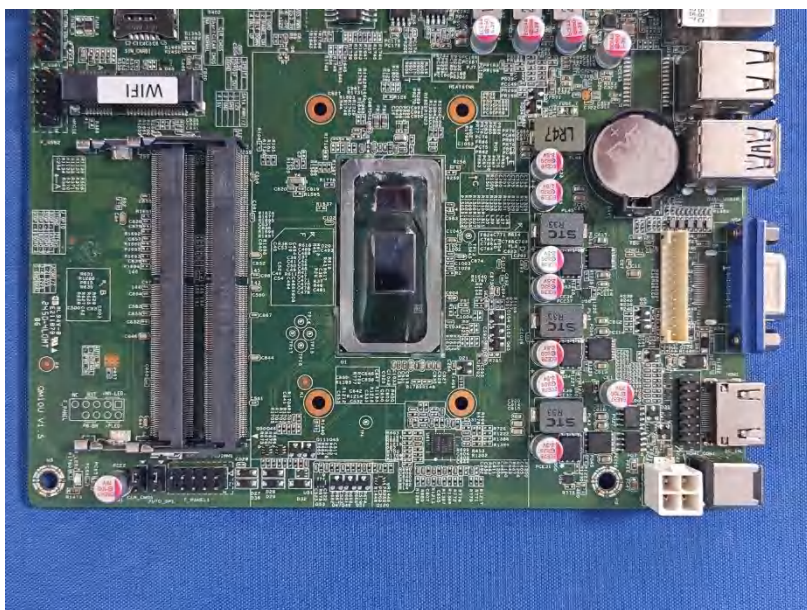




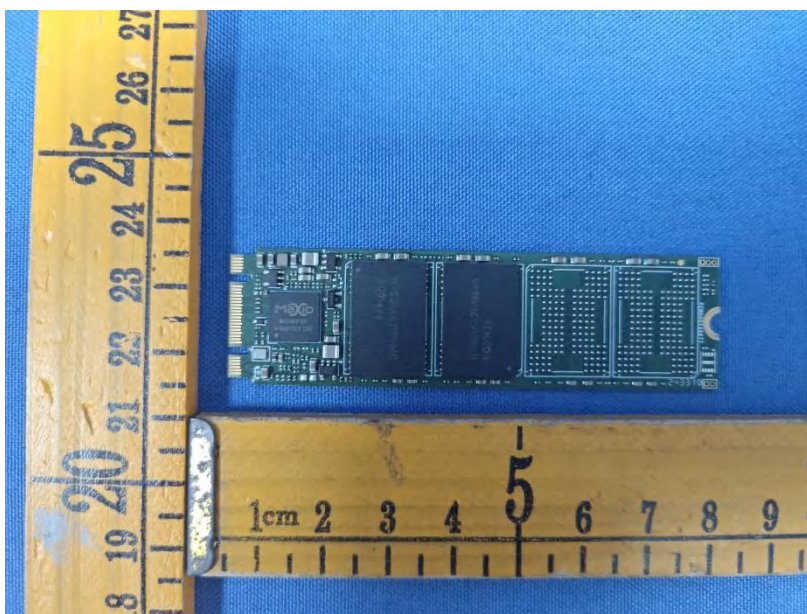
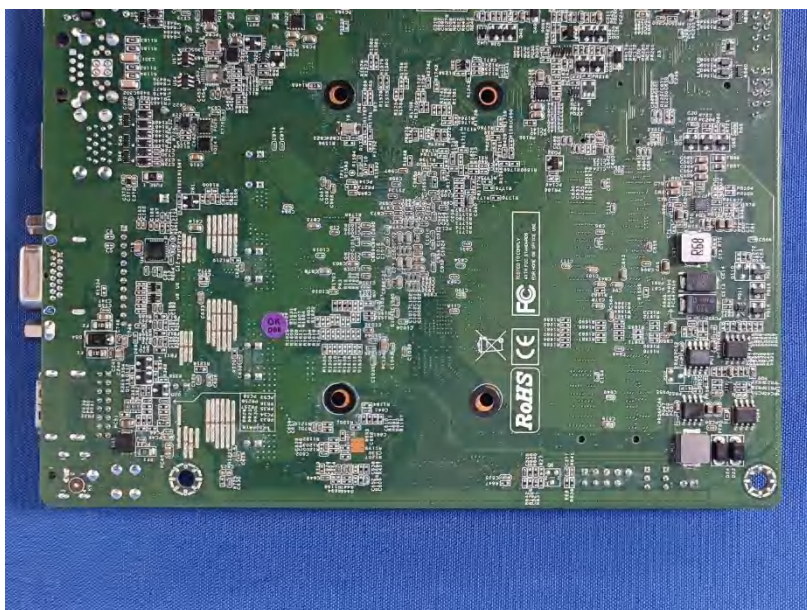


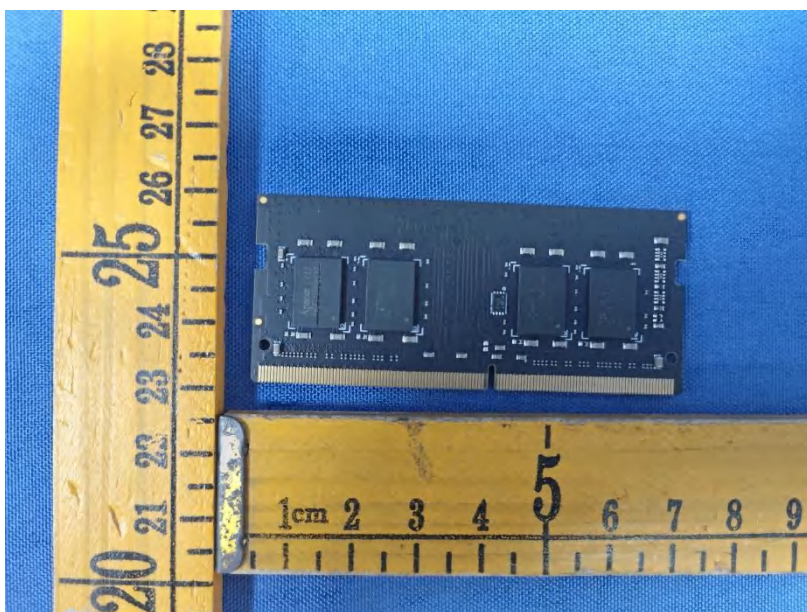
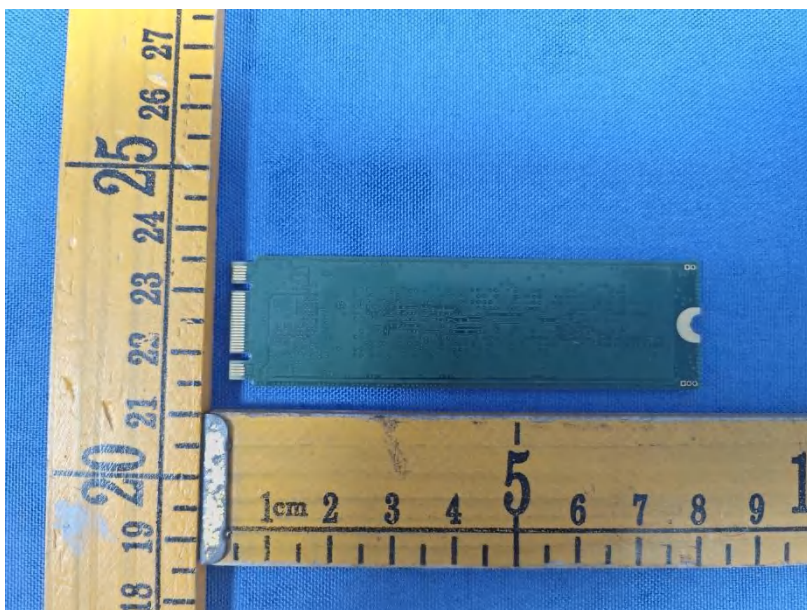


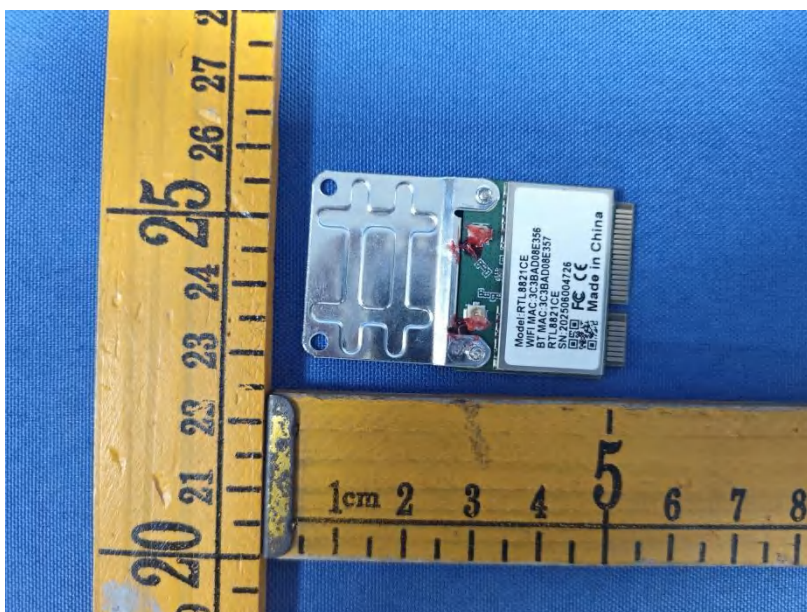
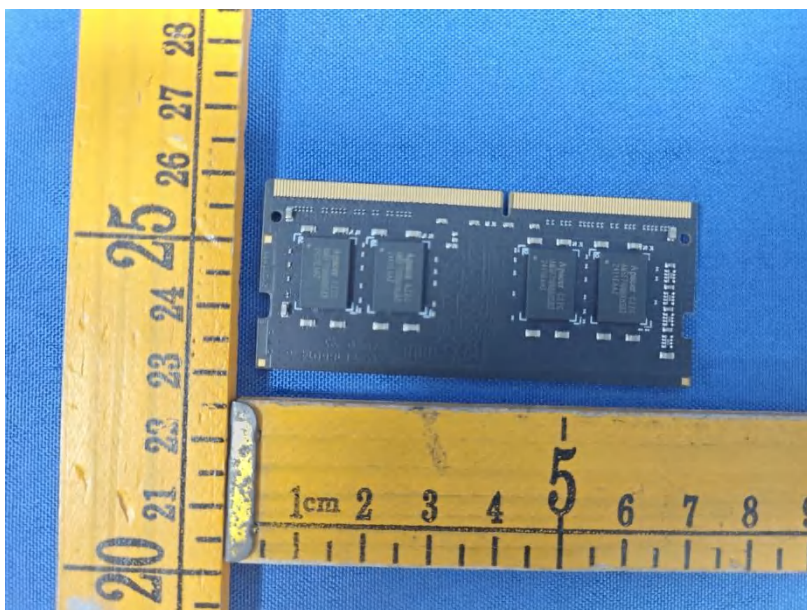


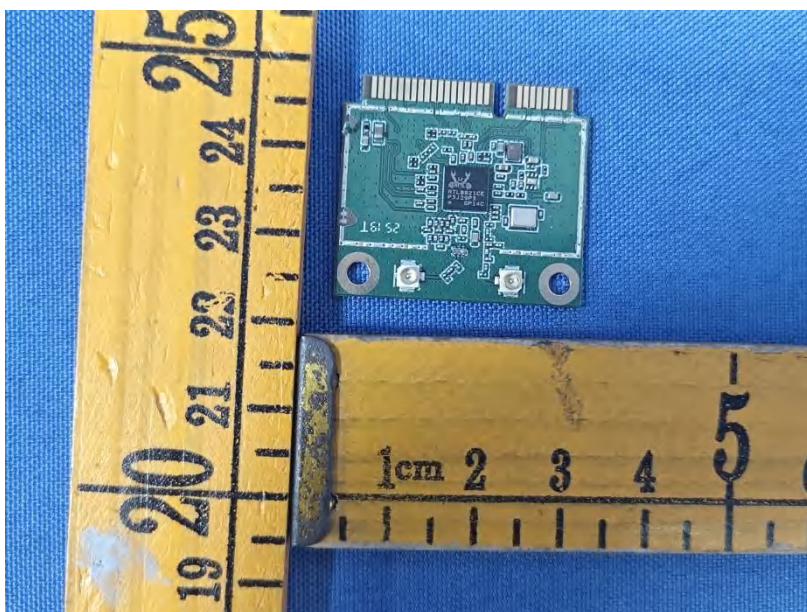
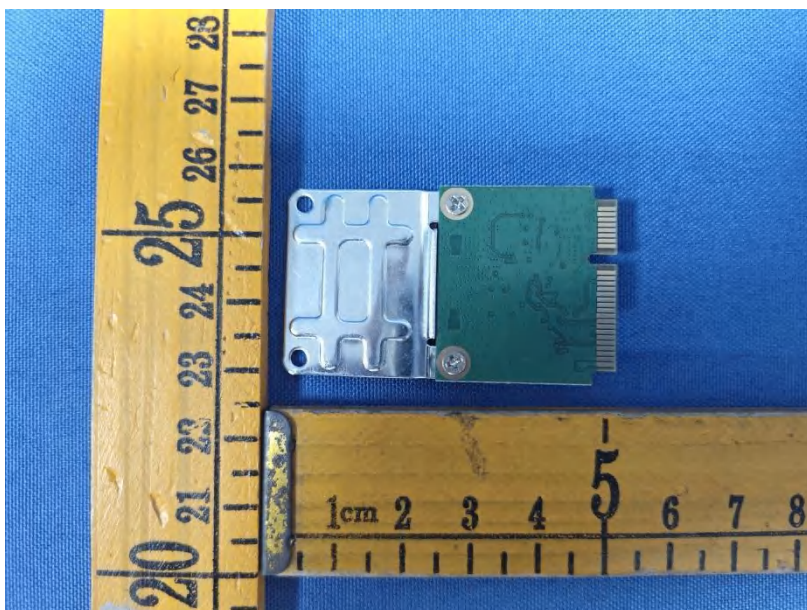


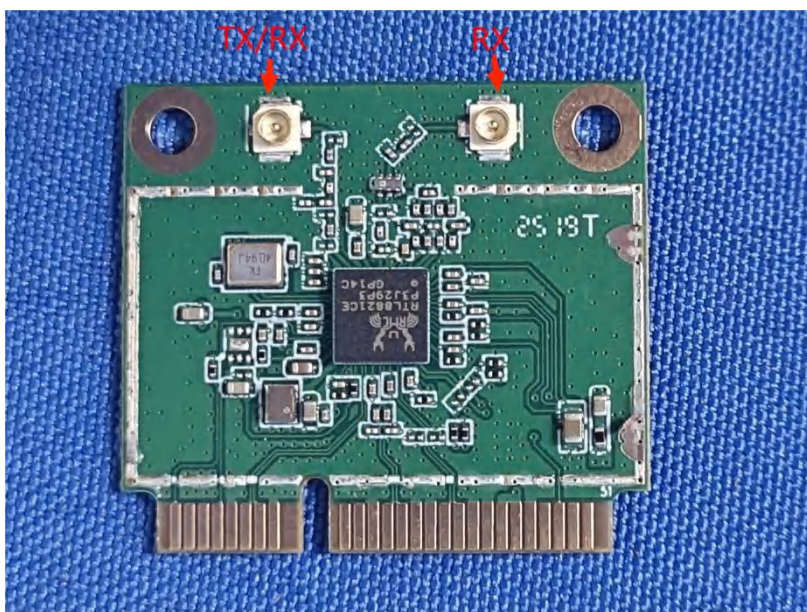
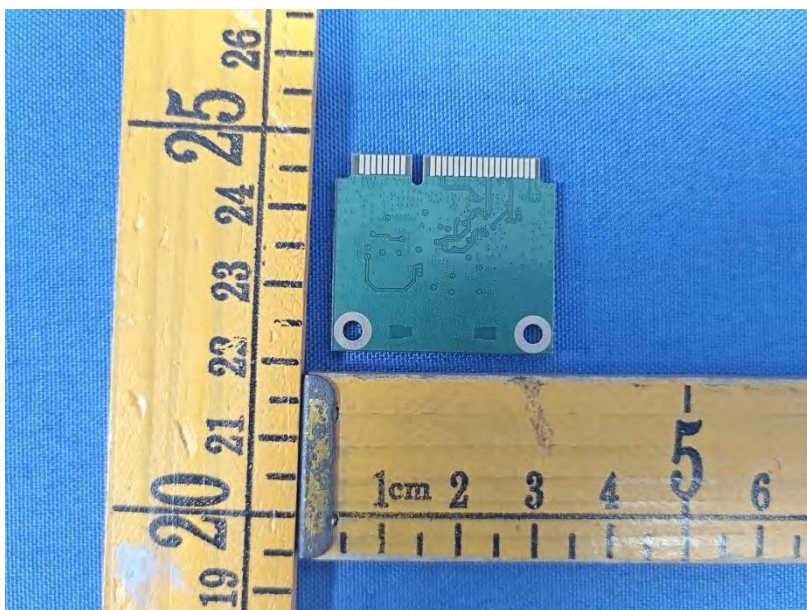


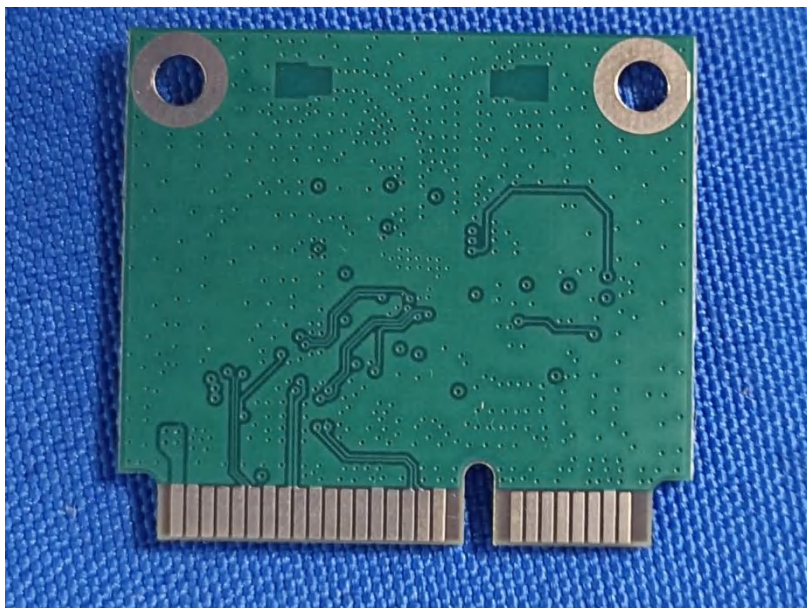














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