



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



11N20ISO-Ant1-5825-PASS



11N40ISO-Ant1-5190-PASS



11N40ISO-Ant1-5230-PASS



11N40ISO-Ant1-5795-PASS



11AC20SISO-Ant1-5180-PASS



11AC20SISO-Ant1-5200-PASS



11AC20SISO-Ant1-5240-PASS



11N40SISO-Ant1-5755-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



11AX20SISO-Ant1-5180-PASS



11AX20SISO-Ant1-5200-PASS



11AX20SISO-Ant1-5240-PASS



11AX20SISO-Ant1-5745-PASS



11AX20SISO-Ant1-5785-PASS



11AX20ISO-Ant1-5825-PASS



11AX40ISO-Ant1-5190-PASS



11AX40SISO-Ant1-5230-PASS



11AX40SISO-Ant1-5755-PASS



11AX40SISO-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 FPC Antenna. The antenna's gain is 5.2G: 4.81 dBi, 5.8G: 4.58 dBi and meets the requirement.



10 Frequency Stability

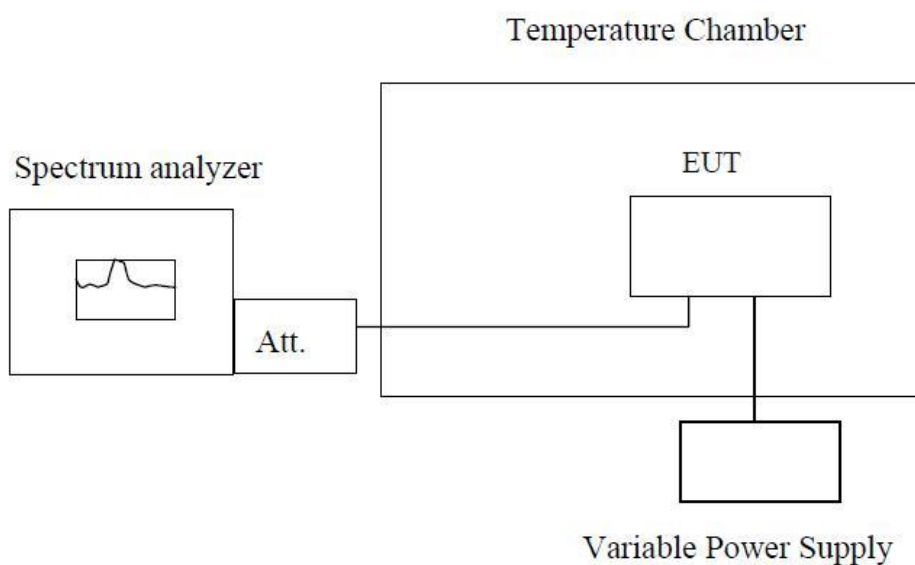
Test Requirement : FCC Part15 E Section 15.407 (g)

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	Frequenc y[MHz]	Voltage [Vdc]	Tempera ture (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-7000.00	-1.351351	20	PASS
11A	Ant1	5180	LV	NT	7000.00	1.351351	20	PASS
11A	Ant1	5180	HV	NT	6000.00	1.158301	20	PASS
11A	Ant1	5200	NV	NT	6000.00	1.153846	20	PASS
11A	Ant1	5200	LV	NT	5000.00	0.961538	20	PASS
11A	Ant1	5200	HV	NT	5000.00	0.961538	20	PASS
11A	Ant1	5240	NV	NT	6000.00	1.145038	20	PASS
11A	Ant1	5240	LV	NT	5000.00	0.954198	20	PASS
11A	Ant1	5240	HV	NT	5000.00	0.954198	20	PASS
11A	Ant1	5745	NV	NT	5000.00	0.870322	20	PASS
11A	Ant1	5745	LV	NT	5000.00	0.870322	20	PASS
11A	Ant1	5745	HV	NT	5000.00	0.870322	20	PASS
11A	Ant1	5785	NV	NT	5000.00	0.864304	20	PASS
11A	Ant1	5785	LV	NT	4000.00	0.691443	20	PASS
11A	Ant1	5785	HV	NT	4000.00	0.691443	20	PASS
11A	Ant1	5825	NV	NT	5000.00	0.858369	20	PASS
11A	Ant1	5825	LV	NT	5000.00	0.858369	20	PASS
11A	Ant1	5825	HV	NT	5000.00	0.858369	20	PASS
11N20SIS O	Ant1	5180	NV	NT	5000.00	0.965251	20	PASS
11N20SIS O	Ant1	5180	LV	NT	5000.00	0.965251	20	PASS
11N20SIS O	Ant1	5180	HV	NT	4000.00	0.772201	20	PASS
11N20SIS O	Ant1	5200	NV	NT	5000.00	0.961538	20	PASS
11N20SIS O	Ant1	5200	LV	NT	5000.00	0.961538	20	PASS
11N20SIS O	Ant1	5200	HV	NT	4000.00	0.769231	20	PASS
11N20SIS O	Ant1	5240	NV	NT	4000.00	0.763359	20	PASS
11N20SIS O	Ant1	5240	LV	NT	4000.00	0.763359	20	PASS
11N20SIS O	Ant1	5240	HV	NT	3000.00	0.572519	20	PASS
11N20SIS O	Ant1	5745	NV	NT	4000.00	0.696258	20	PASS
11N20SIS O	Ant1	5745	LV	NT	4000.00	0.696258	20	PASS
11N20SIS O	Ant1	5745	HV	NT	4000.00	0.696258	20	PASS
11N20SIS O	Ant1	5785	NV	NT	4000.00	0.691443	20	PASS
11N20SIS O	Ant1	5785	LV	NT	4000.00	0.691443	20	PASS
11N20SIS O	Ant1	5785	HV	NT	4000.00	0.691443	20	PASS
11N20SIS O	Ant1	5825	NV	NT	5000.00	0.858369	20	PASS
11N20SIS O	Ant1	5825	LV	NT	4000.00	0.686695	20	PASS



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11N20SIS O	Ant1	5825	HV	NT	4000.00	0.686695	20	PASS
11N40SIS O	Ant1	5190	NV	NT	4000.00	0.770713	20	PASS
11N40SIS O	Ant1	5190	LV	NT	4000.00	0.770713	20	PASS
11N40SIS O	Ant1	5190	HV	NT	4000.00	0.770713	20	PASS
11N40SIS O	Ant1	5230	NV	NT	4000.00	0.764818	20	PASS
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11N40SIS O	Ant1	5230	HV	NT	4000.00	0.764818	20	PASS
11N40SIS O	Ant1	5755	NV	NT	5000.00	0.868810	20	PASS
11N40SIS O	Ant1	5755	LV	NT	4000.00	0.695048	20	PASS
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11N40SIS O	Ant1	5795	NV	NT	5000.00	0.862813	20	PASS
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11N40SIS O	Ant1	5795	HV	NT	4000.00	0.690250	20	PASS
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11AC20SI SO	Ant1	5240	NV	NT	3000.00	0.572519	20	PASS
11AC20SI SO	Ant1	5240	LV	NT	3000.00	0.572519	20	PASS
11AC20SI SO	Ant1	5240	HV	NT	3000.00	0.572519	20	PASS
11AC20SI SO	Ant1	5745	NV	NT	3000.00	0.522193	20	PASS
11AC20SI SO	Ant1	5745	LV	NT	2000.00	0.348129	20	PASS
11AC20SI SO	Ant1	5745	HV	NT	3000.00	0.522193	20	PASS
11AC20SI SO	Ant1	5785	NV	NT	4000.00	0.691443	20	PASS
11AC20SI SO	Ant1	5785	LV	NT	4000.00	0.691443	20	PASS
11AC20SI SO	Ant1	5785	HV	NT	4000.00	0.691443	20	PASS



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11AC20SI SO	Ant1	5825	NV	NT	4000.00	0.686695	20	PASS
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11AC20SI SO	Ant1	5825	HV	NT	3000.00	0.515021	20	PASS
11AC40SI SO	Ant1	5190	NV	NT	3000.00	0.578035	20	PASS
11AC40SI SO	Ant1	5190	LV	NT	3000.00	0.578035	20	PASS
11AC40SI SO	Ant1	5190	HV	NT	3000.00	0.578035	20	PASS
11AC40SI SO	Ant1	5230	NV	NT	4000.00	0.764818	20	PASS
11AC40SI SO	Ant1	5230	LV	NT	3000.00	0.573614	20	PASS
11AC40SI SO	Ant1	5230	HV	NT	3000.00	0.573614	20	PASS
11AC40SI SO	Ant1	5755	NV	NT	4000.00	0.695048	20	PASS
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11AC40SI SO	Ant1	5795	LV	NT	4000.00	0.690250	20	PASS
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11AX20SIS O	Ant1	5180	NV	NT	2000.00	0.386100	20	PASS
11AX20SIS O	Ant1	5180	LV	NT	2000.00	0.386100	20	PASS
11AX20SIS O	Ant1	5180	HV	NT	2000.00	0.386100	20	PASS
11AX20SIS O	Ant1	5200	NV	NT	2000.00	0.384615	20	PASS
11AX20SIS O	Ant1	5200	LV	NT	2000.00	0.384615	20	PASS
11AX20SIS O	Ant1	5200	HV	NT	2000.00	0.384615	20	PASS
11AX20SIS O	Ant1	5240	NV	NT	3000.00	0.572519	20	PASS
11AX20SIS O	Ant1	5240	LV	NT	2000.00	0.381679	20	PASS
11AX20SIS O	Ant1	5240	HV	NT	2000.00	0.381679	20	PASS
11AX20SIS O	Ant1	5745	NV	NT	3000.00	0.522193	20	PASS
11AX20SIS O	Ant1	5745	LV	NT	3000.00	0.522193	20	PASS
11AX20SIS O	Ant1	5745	HV	NT	3000.00	0.522193	20	PASS
11AX20SIS O	Ant1	5785	NV	NT	4000.00	0.691443	20	PASS

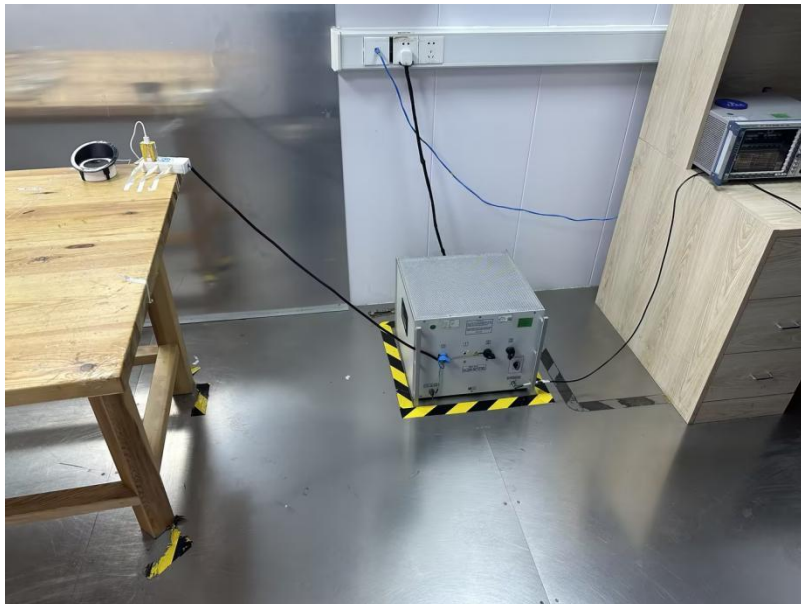


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11AX20SIS O	Ant1	5785	LV	NT	3000.00	0.518583	20	PASS
11AX20SIS O	Ant1	5785	HV	NT	3000.00	0.518583	20	PASS
11AX20SIS O	Ant1	5825	NV	NT	3000.00	0.515021	20	PASS
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11AX20SIS O	Ant1	5825	HV	NT	3000.00	0.515021	20	PASS
11AX40SIS O	Ant1	5190	NV	NT	3000.00	0.578035	20	PASS
11AX40SIS O	Ant1	5190	LV	NT	3000.00	0.578035	20	PASS
11AX40SIS O	Ant1	5190	HV	NT	3000.00	0.578035	20	PASS
11AX40SIS O	Ant1	5230	NV	NT	3000.00	0.573614	20	PASS
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11AX40SIS O	Ant1	5755	NV	NT	2000.00	0.347524	20	PASS
11AX40SIS O	Ant1	5755	LV	NT	2000.00	0.347524	20	PASS
11AX40SIS O	Ant1	5755	HV	NT	2000.00	0.347524	20	PASS
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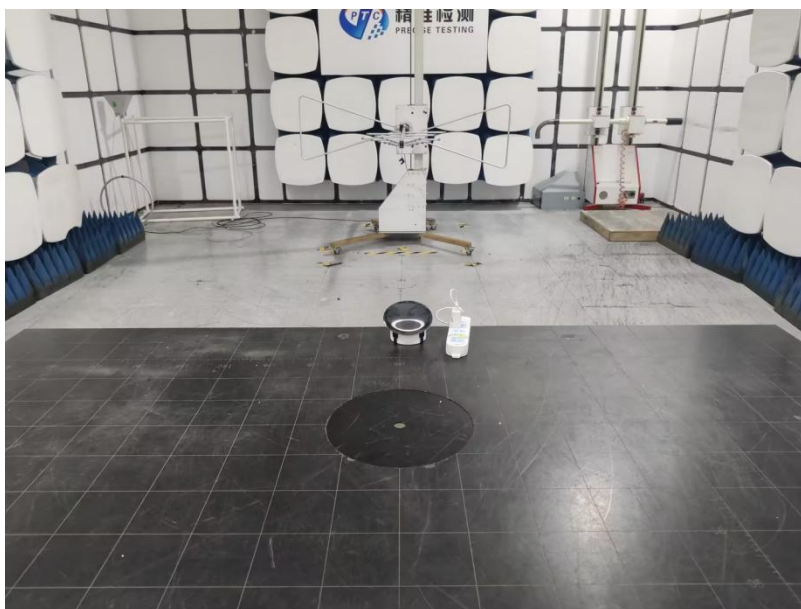
11 Test Setup

Conducted Spurious Emissions



Radiated Spurious Emissions

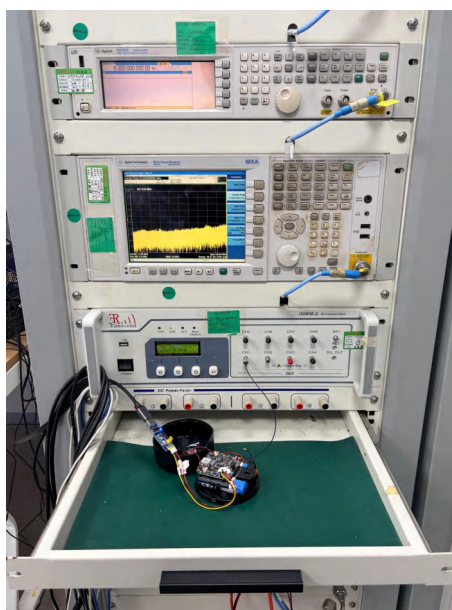
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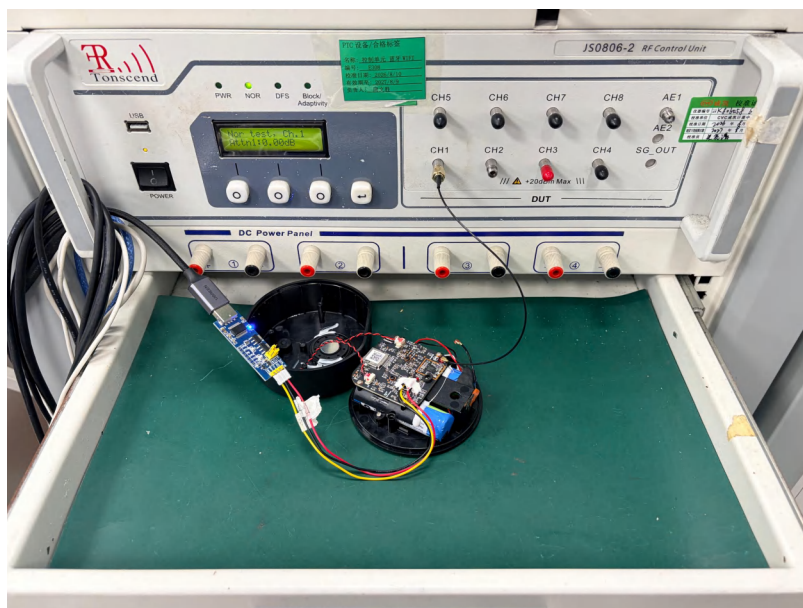


Test frequency from Above 1GHz

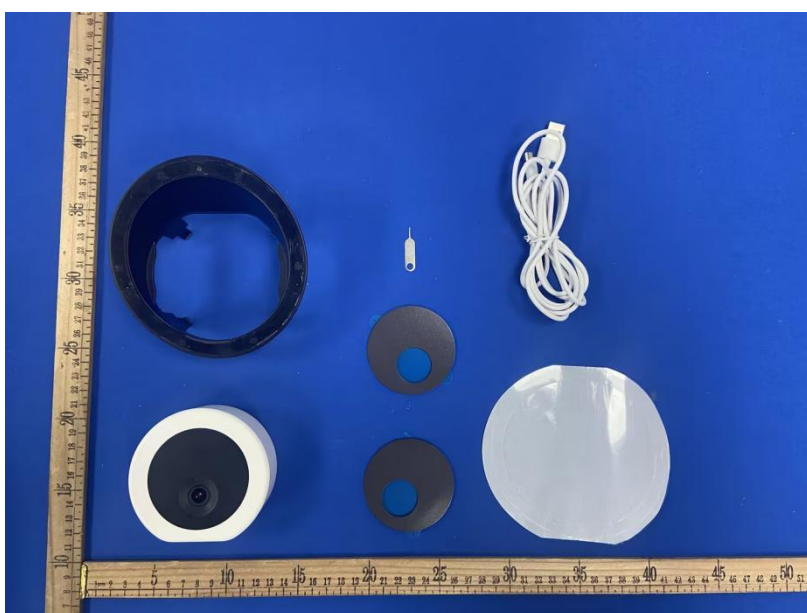
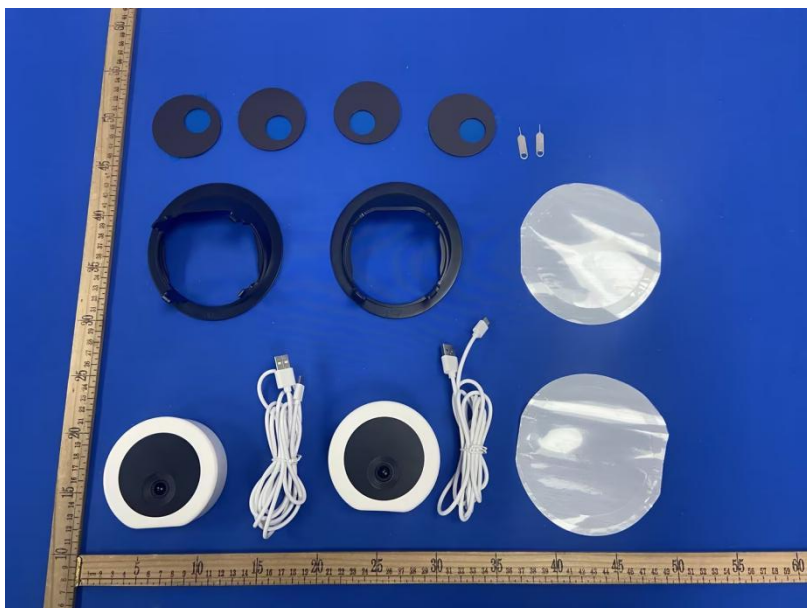


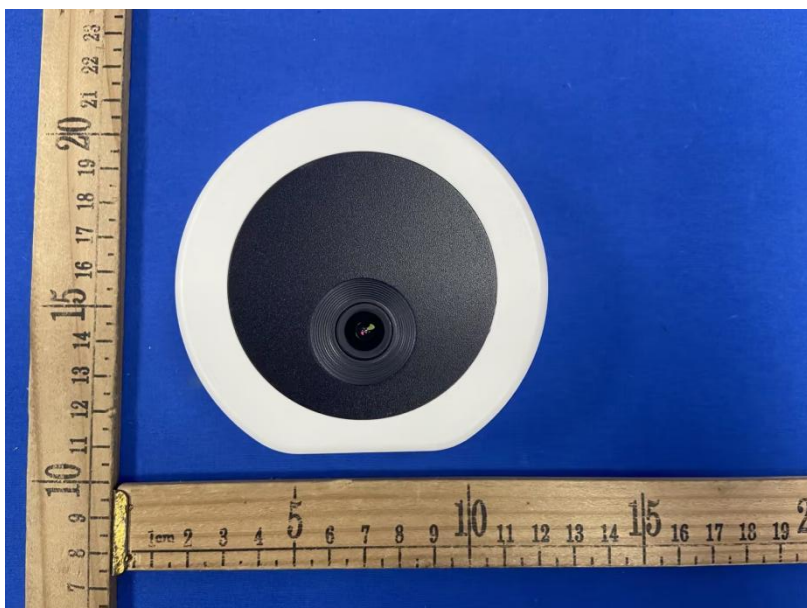
RF Conducted Test





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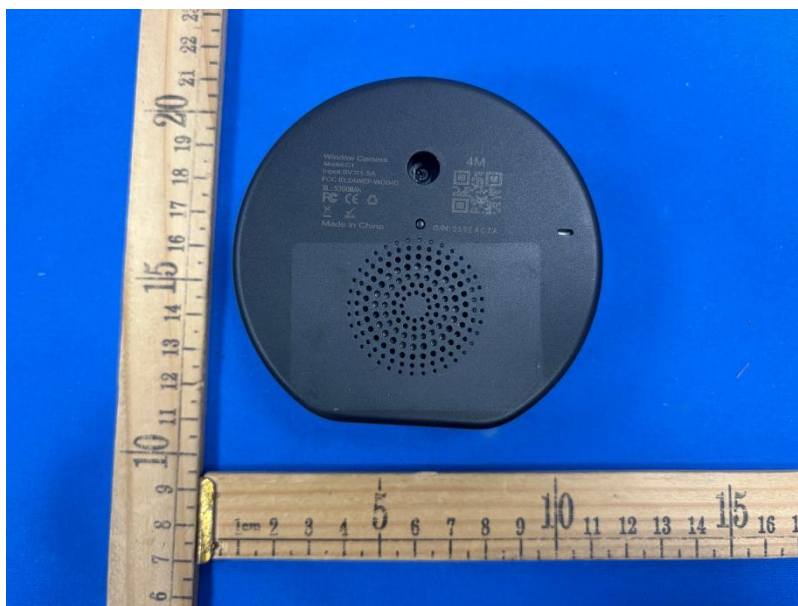


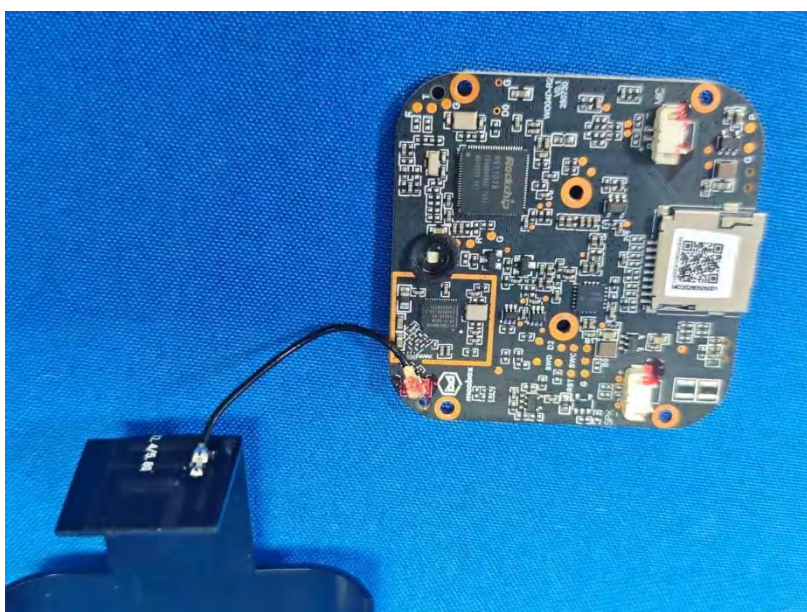


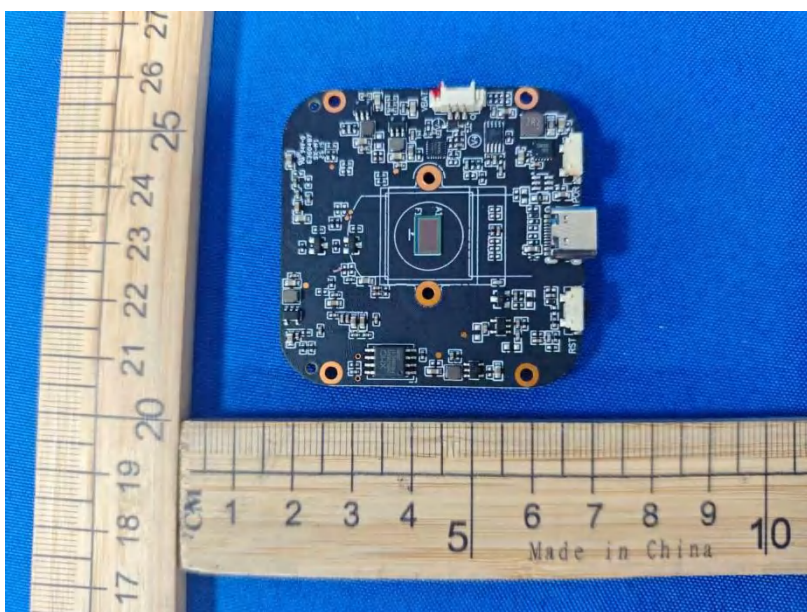
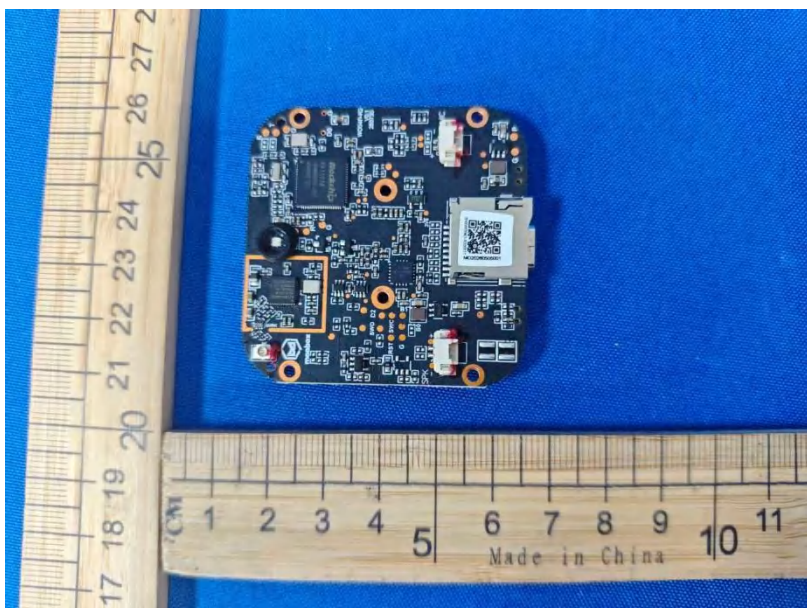


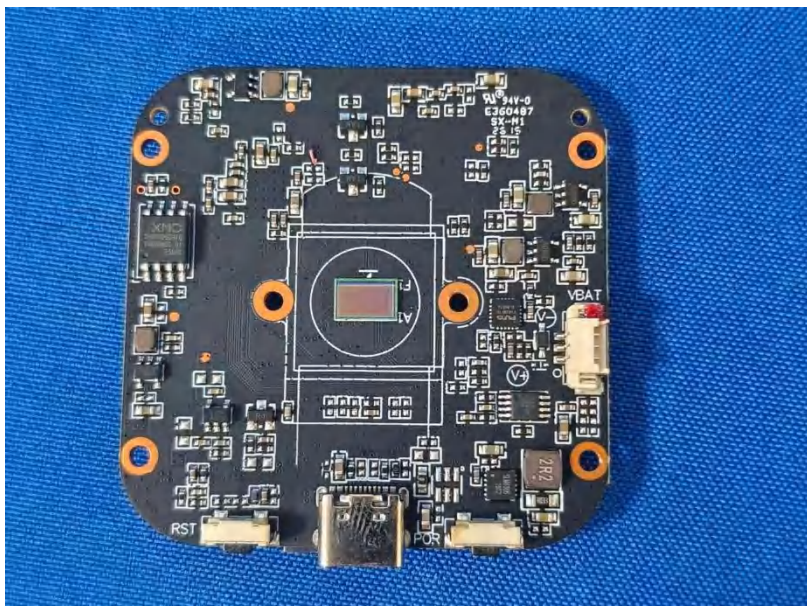


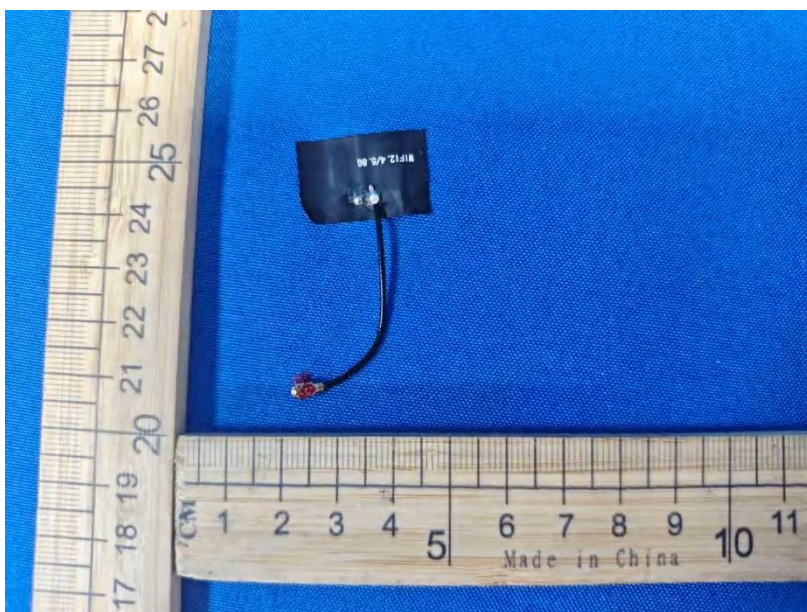
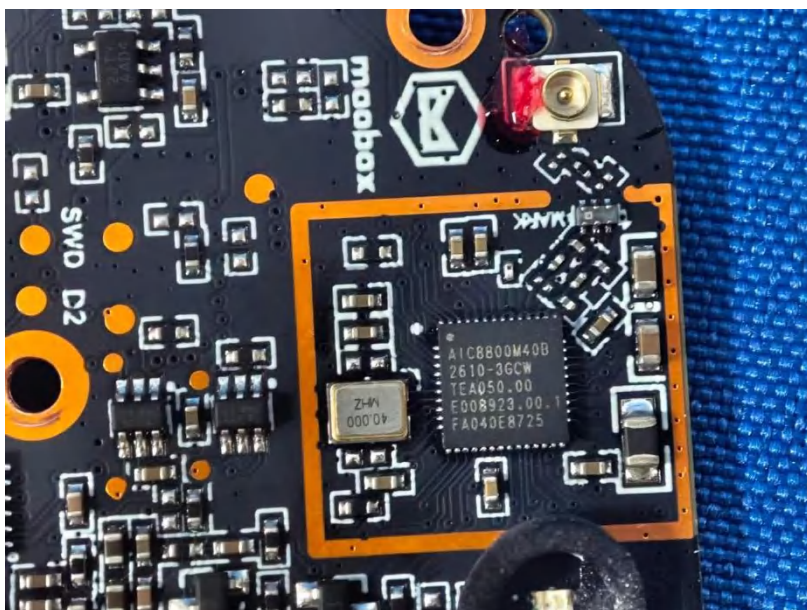


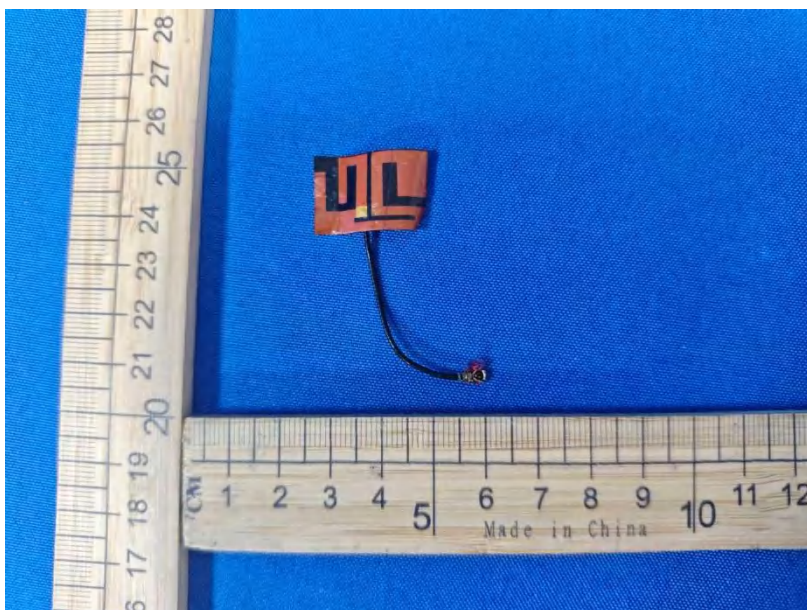


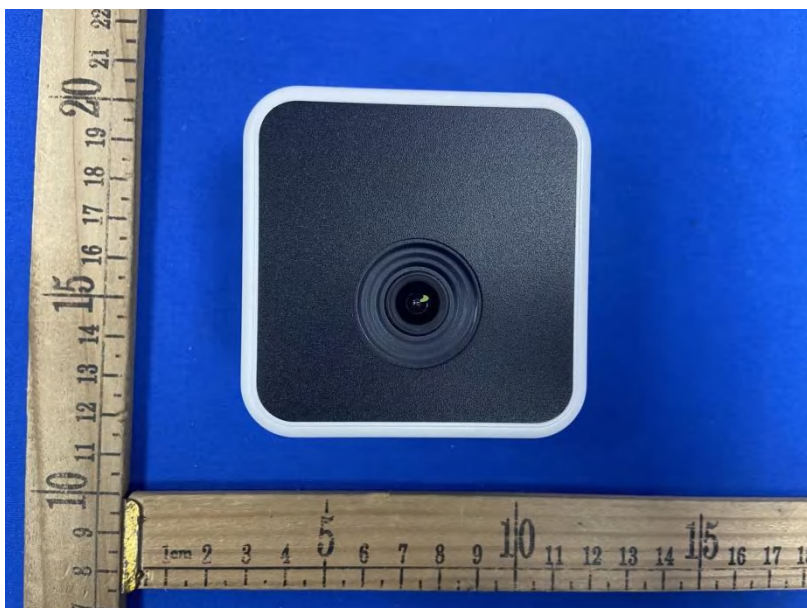


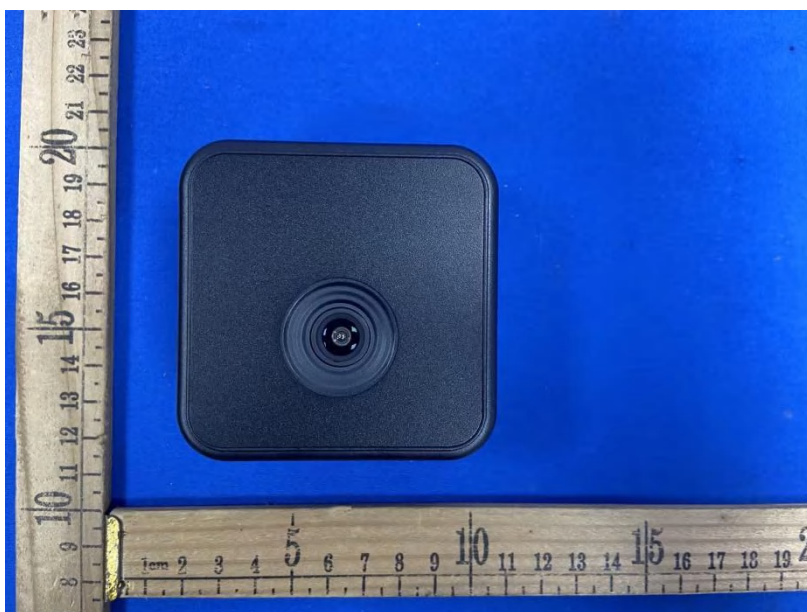














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*****THE END REPORT*****