



中认信通

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



RF EXPOSURE EVALUATION REPORT

Applicant: Motic China Group Co.,Ltd

Address: No.810 Fangshan Nan Road, XiangAn, Xiamen 361100, P.R. China

FCC ID: PVE-MOTICAMX6

Product Name: MoticamX6

Standard(s): 47 CFR §1.1307

The above equipment has been tested and found compliant with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

Report Number: 2503Q19064E-RF-00E

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Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the No. 113, Pingkang Road, Dalang Town, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 442868, the FCC Designation No. : CN1314.

Declarations

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “▲”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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Each test item follows the test standard(s) without deviation.

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2503Q19064E-RF-00E	Original Report	2025/5/29

1. RF EXPOSURE EVALUATION

1.1 Applicable Standard

According to §1.1307(b)(3)(i)

(C) Or using Table 1 and the minimum separation distance (R in meters) from the body of a nearby person for the frequency (f in MHz) at which the source operates, the ERP (watts) is no more than the calculated value prescribed for that frequency. For the exemption in Table 1 to apply, R must be at least $\lambda/2\pi$, where λ is the free-space operating wavelength in meters. If the ERP of a single RF source is not easily obtained, then the available maximum time-averaged power may be used in lieu of ERP if the physical dimensions of the radiating structure(s) do not exceed the electrical length of $\lambda/4$ or if the antenna gain is less than that of a half-wave dipole (1.64 linear value).

Table 1 to § 1.1307(b)(3)(i)(C) - Single RF Sources Subject to Routine Environmental Evaluation

RF Source frequency (MHz)	Threshold ERP (watts)
0.3-1.34	$1,920 R^2$.
1.34-30	$3,450 R^2/f^2$.
30-300	$3.83 R^2$.
300-1,500	$0.0128 R^2 f$.
1,500-100,000	$19.2 R^2$.

1.1.1 Measurement Result

Radio	Frequency (MHz)	$\lambda/2\pi$ (mm)	Distance (mm)	Exemption ERP (mW)	Maximum Conducted Power including Tune-up Tolerance (dBm)	Antenna Gain (dBi)	ERP		MPE-Based Exemption
							dBm	mW	
2.4G Wi-Fi	2412-2462	19.80	200	768	24	-2.20	19.65	92.26	Compliant
5.2G Wi-Fi	5180-5240	9.22	200	768	20	4.60	22.45	175.79	Compliant
5.3G Wi-Fi	5260-5320	9.08	200	768	23	4.60	25.45	350.75	Compliant
5.6G Wi-Fi	5500-5720	8.68	200	768	20	4.60	22.45	175.79	Compliant
5.8G Wi-Fi	5745-5825	8.31	200	768	21	4.60	23.45	221.31	Compliant

Note:

The Maximum Conducted Power including Tune-up Tolerance was declared by manufacturer.
2.4G and 5G Wi-Fi can not transmit simultaneously.

Result: The device compliant the MPE-Based Exemption at 20cm distances.

===== END OF REPORT =====