

MAXIMUM PERMISSION EXPOSURE TEST REPORT

FCC ID : AQF-RA-WN11087A

Mobile device

According to §15.247(e)(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to §1.1310

Table 1—Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3–3.0	614	1.63	*(100)	6
3.0–30	1842/f	4.89/f	*(900/f ²)	6
30–300	61.4	0.163	1.0	6
300–1500			f/300	6
1500–100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f ²)	30
30–300	27.5	0.073	0.2	30
300–1500			f/1500	30
1500–100,000			1.0	30

f = frequency in MHz

* = Plane-wave equivalent power density

Test Results:

Frequency (MHz)	RF power (mW)	antenna gain	Measured Power Density(mW/cm ²)	Limit(mW/cm ²)	Result
2412	25.8	0dBi	0.00514	1.0	Pass
2437	24.7	0dBi	0.00492	1.0	Pass
2462	22.7	0dBi	0.00452	1.0	Pass

$$S=PG/4\pi R^2$$