



RF Exposure evaluation for mobile use

FCC ID: **XPYJODYW164**

IC: **8595A-JODYW164**

RF Exposure Evaluation

| Standards |
|---|
| OET Bulletin 65 Edition 97-01 August 1997 |
| FCC 47 CFR §1.1307 |
| FCC 47 CFR §1.1310 |
| RSS-102, issue 5 |

Test limits

As specified in Table 1B of 47 CFR 1.1310 – Limits for Maximum Permissible Exposure (MPE), Limits for General Population/Uncontrolled Exposure.

| Frequency range (MHz) | Power density (mW/cm ²) |
|-----------------------|-------------------------------------|
| 300 – 1,500 | f/1500 |
| 1,500 – 100,000 | 1.0 |

$$\text{Equation OET bulletin 65, page 18, edition 97-01: } S = \frac{PG}{4\pi R^2} = \frac{EIRP}{4\pi R^2}$$

Where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

| Band | Mode | Duty Cycle | Frequency (MHz) | Maximum Conducted output power (dBm) | Equivalent conducted output power (mW) | FCC MPE Limit (mW/cm ²) | MPE Value using Max gain of 2 dBi | Separation distance (cm) | Verdict |
|------------|------------|------------|-----------------|--------------------------------------|--|-------------------------------------|-----------------------------------|--------------------------|---------|
| Classic BT | GFSK 1-DH1 | 100% | 2402.0 | 10.6 | 11.48 | 1.000 | 0.0036 | 20 | Pass |
| BLE | GFSK 1-DH1 | 100% | 2440.0 | 8.10 | 6.46 | 1.000 | 0.0020 | 20 | Pass |
| WLAN 2.4 | DSSS | 100% | 2462.0 | 19.60 | 91.20 | 1.000 | 0.0288 | 20 | Pass |
| WLAN 5 | OFDM | 100% | 5745 | 20.30 | 107.15 | 1.000 | 0.0338 | 20 | Pass |



Yours sincerely,

A handwritten signature in blue ink that reads "Imad Hjije".

Imad Hjije