

Radiated Power - EIRP / ERP

In accordance with FCC **KDB 412172 D01 Determining ERP and EIRP v01** please find below our calculations for determining the ERP and EIRP for the combination of module and host device covered under the scope of this C2PC filing.

The maximum output powers from the tune-up procedure are:

| | Band | Max. Output Power | |
|-------------------|-------------------|-------------------|---------|
| GSM/EDGE | GSM850 | 33.00 dBm | 1.995 W |
| | GSM1900 | 30.00 dBm | 1.000 W |
| WCDMA/HSDPA/HSUPA | Band V (850MHz) | 24.00 dBm | 0.251 W |
| | Band II (1900MHz) | 24.00 dBm | 0.251 W |
| LTE | Band 4 | 23.50 dBm | 0.224 W |
| | Band 17 | 24.00 dBm | 0.251 W |

Remark: The WCDMA/HSDPA/HSUPA and LTE modes of this module used in the Host PC FZ-G1 is specially programmed and tuned to operate at a lower power setting than the original maximum power to ensure that the output power does not exceed the targets described in the SAR report.

The Antenna gain of the FZ-G1 host system is as follows;

GSM850/ WCDMA Band V: -1.12 dBi (-3.27 dBd)

GSM1900/ WCDMA Band II: 0.74 dBi

LTE Band 4: 0.74 dBi

LTE Band 17: -3.03 dBi (-5.18 dBd)

The ERP/EIRP values for the module in this host system can be calculated using option 2.1 of the KDB referenced above:

ERP/EIRP = $P_T + G_T - L_C$ in this host are

| | ERP/EIR P | Conducted Power | Antenna Gain | ERP/EIRP | |
|-------------------------|-----------|-----------------|--------------|-----------|---------|
| GSM850 | ERP | 33.00 dBm | -3.27 dBd | 29.73 dBm | 0.940 W |
| GSM1900 | EIRP | 30.00 dBm | 0.74 dBi | 30.74 dBm | 1.186 W |
| WCDMA Band V (850MHz) | ERP | 24.00 dBm | -3.27 dBd | 20.73 dBm | 0.118 W |
| WCDMA Band II (1900MHz) | EIRP | 24.00 dBm | 0.74 dBi | 24.74 dBm | 0.298 W |
| LTE Band 4 | EIRP | 23.50 dBm | 0.74 dBi | 24.24 dBm | 0.265 W |
| LTE Band 17 | ERP | 24.00 dBm | -5.18 dBd | 18.82 dBm | 0.076 W |