

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	32.70 dBm	1.86 W
	GSM1900	30.30 dBm	1.072 W
WCDMA/HS DPA/HSUPA	Band V (850MHz)	24.20 dBm	0.263 W
	Band II (1900MHz)	22.90 dBm	0.195 W
	Band IV (1700MHz)	22.90 dBm	0.195 W
CDMA2000	BC0 (850MHz)	24.00 dBm	0.251 W
	BC1 (1900MHz)	22.50 dBm	0.178 W

Remark: 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/CDMA2000 BC0: -1.12 dBi (-3.27 dBd)
 GSM1900/ WCDMA Band II/CDMA2000 BC1: 0.74 dBi
 WCDMA Band IV: 0.74 dBi

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/EIRP P	Conducted Power	Antenna Gain	ERP/EIRP	
GSM850	ERP	32.70 dBm	-3.27 dBd	29.43 dBm	0.877 W
GSM1900	EIRP	30.30 dBm	0.74 dBi	31.04 dBm	1.271 W
WCDMA Band V (850MHz)	ERP	24.20 dBm	-3.27 dBd	20.93 dBm	0.124 W
WCDMA Band II (1900MHz)	EIRP	22.90 dBm	0.74 dBi	23.64 dBm	0.231 W
WCDMA Band IV (1700MHz)	EIRP	22.90 dBm	0.74 dBi	23.64 dBm	0.231 W
CDMA2000 BC0 (850MHz)	ERP	24.00 dBm	-3.27 dBd	20.73 dBm	0.118 W
CDMA2000 BC1 (1900MHz)	EIRP	22.50 dBm	0.74 dBi	23.24 dBm	0.211 W