

### 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 power from the tune-up procedure are:

	Band	Max. Output power	
GSM/EDGE	GSM850 (GPRS)	33.60 dBm	2.29 W
	GSM1900 (GPRS)	30.80 dBm	1.202 W
	GSM850 (EGPRS)	26.70 dBm	0.468 W
	GSM1900 (EGPRS)	25.80 dBm	0.380 W
WCDMA/HS DPA/HSUPA	Band V (850MHz)	25.20 dBm	0.331 W
	Band II (1900MHz)	25.20 dBm	0.331 W
	Band IV (1700MHz)	25.20 dBm	0.331 W
CDMA2000	BC0 (850MHz)	25.00 dBm	0.316 W
	BC1 (1900MHz)	25.00 dBm	0.316 W

The Antenna gain of the CF-C2 host system is as follows;

GSM850/ WCDMA Band V/CDMA2000 BC0: -2.48 dBi (-4.63 dBd)

GSM1900/ WCDMA Band II/CDMA2000 BC1: -2.06 dBi

WCDMA Band IV: 2.07 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 (GPRS)	ERP	33.60 dBm	-4.63 dBd	28.97 dBm	0.789 W
GSM1900 (GPRS)	EIRP	30.80 dBm	-2.06 dBi	28.74 dBm	0.748 W
GSM850 (EGPRS)	ERP	26.70 dBm	-4.63 dBd	22.07 dBm	0.161 W
GSM1900 (EGPRS)	EIRP	25.80 dBm	-2.06 dBi	23.74 dBm	0.237 W
WCDMA Band V (850MHz)	ERP	25.20 dBm	-4.63 dBd	20.57 dBm	0.114 W
WCDMA Band II (1900MHz)	EIRP	25.20 dBm	-2.06 dBi	23.14 dBm	0.206 W
WCDMA Band IV (1700MHz)	EIRP	25.20 dBm	2.07 dBi	27.27 dBm	0.533 W
CDMA2000 BC0 (850MHz)	ERP	25.00 dBm	-4.63 dBd	20.37 dBm	0.109 W
CDMA2000 BC1 (1900MHz)	EIRP	25.00 dBm	-2.06 dBi	22.94 dBm	0.197 W