

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	
CDMA2000	BC0 (850MHz)	25.00 dBm	0.316 W
	BC1 (1900MHz), 1xRTT	24.70 dBm	0.295 W
	BC1 (1900MHz), 1xEVDO	24.80 dBm	0.302 W
LTE	Band 13	23.00 dBm	0.200 W

Remark: The CDMA BC1/LTE modes of this module used in the Host PC FZ-G1 are 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;

CDMA2000 BC0: -1.12 dBi (-3.27 dBd)

CDMA2000 BC1: 0.74 dBi

LTE Band 13: -2.28 dBi (-4.43 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/EIRP	Conducted Power	Antenna Gain	ERP/EIRP	
CDMA BC0 (850MHz)	ERP	25.00 dBm	-3.27 dBd	21.73 dBm	0.149 W
CDMA BC1(1900MHz) 1xRTT	EIRP	24.70 dBm	0.74 dBi	25.44 dBm	0.350 W
CDMA BC1(1900MHz) 1xEVDO	EIRP	24.80 dBm	0.74 dBi	25.54 dBm	0.358 W
LTE Band 13	ERP	23.00 dBm	-4.43 dBd	18.57 dBm	0.072 W