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 conducted power from this C2pc filing per band are:

CDMA:
>   824.7 - 848.31: 25.32dBm / 0.34W
>   1851.25 - 1908.75: 25.3dBm / 0.339W

LTE
>   Band 13: 23.5dBm / 0.224W

The Antenna gain of the CF-H2 host system is as follows;
>   824-840: 0.1 dBi (-2.05 dBd)
>   1850-1910: 0.17 dBi
>   Band 13: 1.36 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

- CDMA, 824.7 - 848.31: **ERP** = 25.32dBm – 2.05 dBd = 23.27 dBm (0.212 W)
- CDMA , 1851.25 - 1908.75: **EIRP** = 25.3 dBm + 0.17dBi = 25.47 dBm (0.352 W)
- LTE Band 13: **EIRP** = 23.5dBm + 1.36dBi = 24.86 dBm (0.306 W)