RF Exposure evaluation

Product Description: PURE.GEAR Model Number: 07285PG FCC ID: 2AIIF-07285PG

According to 447498 D01 General RF Exposure Guidance v05 The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances \leq 50 mm are determined by: [(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] $\cdot [\sqrt{f(GHz)}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

f(GHz) is the RF channel transmit frequency in GHz Power and distance are rounded to the nearest mW and mm before calculation

```
According to the follow transmitter output power (Pt) formula:
Pt= (E x d) 2/ (30 x gt)
Pt=transmitter output power in watts
gt=numeric gain of the transmitting antenna (unitess)
E=electric field strength in V/m
d=measurement distance in meters (m)
```

According to the formula described above:

Emax=<u>96.28</u>dBuv/m=<u>0.065</u>V/m, d=3m, gt=1

 P_{t} = (E x d) ²/ (30 x g_t) =(0.065x3)²/ (30x1)=0.0012675W=1.27mW

The result is rounded to one decimal place for comparison Worse case is as below: [2441MHz -1.27mW output power] $(1.27mW / 5mm)^*[\sqrt{2.441(GHz)}] = 0.40mW < 3.0$ for 1 - g SAR Then SAR evaluation is not required

NOTE: For the maximum power, you can refer FCC test report.