RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	BMD-380
Model Name	BMD-380
FCC ID	XPYBMD380

2. EVALUATION METHOD

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 ≤ 50 mm are determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·[√f(GHz)] ≤ 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

3. CALCULATION
GFSK-1M

P_t=0.515dBm=1.13mW

The value of the Maximum output power P_t is referred to the test report of the CFR47 §15.247.
The result for RF exposure evaluation SAR=(1.13mW /5mm) .[√2.44(GHz)]= 0.35<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

GFSK-2M

P_t=0.541dBm=1.13mW

The value of the Maximum output power P_t is referred to the test report of the CFR47 §15.247.
The result for RF exposure evaluation SAR=(1.13mW /5mm) .[√2.44(GHz)]= 0.36<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

O-QPSK

P_t=0.481dBm=1.12Mw

The value of the Maximum output power P_t is referred to the test report of the CFR47 §15.247.
The result for RF exposure evaluation SAR=(1.12mW /5mm) .[√2.44(GHz)]= 0.35<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

 The SAR evaluation is not required.