

# FCC ID: 2BEES-M2S818HS

## RF exposure evaluation

### § 2.1093 Radiofrequency radiation exposure evaluation: Portable Devices.

According to § 15.247(i) and § 1.1307b(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the commission's guidance.

The 1-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq$  50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR, where

- $f(\text{GHz})$  is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- When the minimum test separation distance is  $<$  5 mm, a distance of 5 mm according is applied to determine SAR test exclusion.
- The result is rounded to one decimal place for comparison
- GFSK

| Modulation  | Frequency (MHz) | Max. Power (dBm) | Max. Tune up Power (dBm) | Max. Tune up Power (mW) | Test distance (mm) | Result | exclusion thresholds for 1-g SAR |
|-------------|-----------------|------------------|--------------------------|-------------------------|--------------------|--------|----------------------------------|
| GFSK(1Mbps) | 2402            | 1.39             | 2.0                      | 1.58                    | 5                  | 0.50   | 3.0                              |

### Conclusion:

For the max result: 0.50W/Kg  $\leq$  FCC Limit 3.0 for 1g SAR.