

# FCC ID: 2BR3M-2591R

## 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

**Main Power: 77.16dB  $\mu$  V/m=77.16-95.2=-18.04dBm**

Modulation	Frequency (GHz)	Max. Power (dBm)	Tune up Power (dBm)	Max. Tune up Power (dBm)	Max. Tune up Power (mW)	Test distance (mm)	Result	exclusion thresholds for 1-g SAR
FSK	0.43392	-18.04	-19±1	-18	0.016	5	0.0021	3.0

### Conclusion:

For the max result : 0.0021W/Kg  $\leq$  FCC Limit 3.0 for 1g SAR.

The Product unsupported at the same time to Transmitting.