

## 1. Reference

According to 447498 D01 General RF Exposure Guidance v06

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:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  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

The result is rounded to one decimal place for comparison

## 2. Result

- 1) According to the output power measurement, and the tune-up statement by manufacturer, the calculated value can obtained. and the worst case is

$\pi/4$ DQPSK 78.

| Test Frequency (MHz) |         | Minimum Separation Distance (mm) | Max. Output Power (dBm) | Output Power with tune up (dBm) | Output Power (mW) | calculated value | exclusion thresholds |
|----------------------|---------|----------------------------------|-------------------------|---------------------------------|-------------------|------------------|----------------------|
| BT                   | 2480.00 | 5.00                             | -0.271                  | -0.25                           | 0.944             | 0.297            | 3                    |

- 2) .Conclusion: No SAR is required.