

# FCC ID : 2AB4KMTYH8250

## Test Standards and Limits

1. According to KDB 447498 D01 v06, Section 4.3.1

#### 2. FCC Radiofrequency radiation exposure limits:

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)/(min test separation distance)]\*[ $\sqrt{f}(GHz)$ ]  $\leq$  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
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds

The test exclusions are applicable only when the minimum test separation distance is  $\leq$  50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

We use 5mm as separation distance to calculate.

## Measurement and Calculation

#### 1. Maximum transmit power

BT antenna gain: -0.58 dBi

Transmit Frequency (GHz)	Mode	Max Conducted Power (dBm)	tune up maximum power(dBm)	Result calculation	1-g SAR
2.402	DH5	-1.1	1	0.390	3
2.441	DH5	-0.1	1	0.393	3
2.480	DH5	0.13	1	0.397	3
2.402	2DH5	-0.4	1	0.390	3
2.441	2DH5	0.38	1	0.393	3
2.480	2DH5	0.47	1	0.397	3
2.402	3DH5	-0.12	1	0.390	3
2.441	3DH5	0.6	1	0.393	3
2.480	3DH5	0.65	1	0.397	3

### 2. MPE Calculation

For the max result : 0.397≤ 3.0 for 1-g SAR extremity SAR, No SAR is required.

-End of the Report-

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