



## RF exposure

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  $\leq$  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;

$f(\text{GHz})$  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

**According to manufacturer's declaration, duty cycle of this device is as following or refer to an operation description.**

| T period (ms) | T on (ms) | Duty cycle | Duty cycle correction $20\log(\text{duty cycle})$ |
|---------------|-----------|------------|---|
| 670           | 223       | 0.3328     | -9.55   |

**Average power = Peak power + Duty cycle**

| Peak power (dBm) | Duty power | Average power (dBm) |
|------------------|------------|---------------------|
| 17.08            | -9.55      | 7.53                |
| 16.90            | -9.55      | 7.35                |
| 16.99            | -9.55      | 7.44                |

## Results

| Frequency (GHz) | Distance (mm) | Average power |      | Calculation value | Exclusion Threshold |
|-----------------|---------------|---------------|------|-------------------|---------------------|
|                 |               | (dBm)         | (mW) |                   |                     |
| 0.903           | 5             | 7.53          | 5.66 | 1.08              | $\leq 7.5$          |
| 0.915           | 5             | 7.35          | 5.43 | 1.04              | $\leq 7.5$          |
| 0.927           | 5             | 7.44          | 5.55 | 1.07              | $\leq 7.5$          |

No SAR evaluation is required