

## 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:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})]$

$\cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR,}$

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