



## Radio Frequency Exposure

### EUT INFORMATION

<b>EUT</b>	In-Vehicle Computer / IOT Gateway / SOM
<b>Frequency band (Operating)</b>	Bluetooth: 2.402 GHz ~ 2.480 GHz
<b>Antenna diversity</b>	<input checked="" type="checkbox"/> Single antenna <input type="checkbox"/> Multiple antennas <input type="checkbox"/> Tx diversity <input type="checkbox"/> Rx diversity <input checked="" type="checkbox"/> Tx/Rx diversity
<b>Max. output power</b>	GFSK: -1.37 dBm (0.7 mW)
<b>Antenna gain (Max)</b>	2.79 dBi

### TEST RESULT

According to KDB 447498 section 4.3.1, the 1-g SAR test exclusion thresholds at test separation distance  $\leq 50$  mm are determined by:

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

The max. average power of channel, including tune-up tolerance(mW) is 0.7 mW @ 2402 MHz (With Tune-up tolerance),

The min. test separation distance (mm) is 5 mm,

So,  $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}] = \mathbf{0.217} < 3.0$  (With Tune-up tolerance).

Therefore, standalone SAR measurements are not required for both head and body.