**FCC ID: M7N-BW8170/ IC: 7311A-BW8170**

**Model number: BW8170US, BW8171**

**Maximum transmitter power:**

| Frequency (MHz) | Maximum field strength at 3m (dBuV/m) | Maximum ERP (dBm) | Maximum output power (mW) |
|---|---|---|---|
| 908.4 | 92.5 | -4.9 | 2.57 |

**For FCC**

According to KDB 447498 D01:
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, including tune-up tolerance, mW*)/(*min. test separation distance, mm*)] · [√f(GHz)] ≤3.0 for 1-g SAR and ≤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
• 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

**Result:**

(2.57/5)*√0.9084 = 0.49 <3.0

**Conclusion:**
No SAR is required.

**For IC**

According to table 1 in RSS-102 Issue 5, below exemption limit is applied:

- Frequency: 835MHz
- At separation distance of ≤ 5mm
- Exemption limits: 17mW

Conclusion:
The maximum peak output power of the transmitter is less than the SAR evaluation exemption threshold and hence it complies with the RSS-102 RF exposure requirement without SAR evaluation.