

## RF Exposure Requirements

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Product Description: Car Radio

Model No.: Bremen SQR 46 DAB, BP124, BP460, BP125, London 470, Bamberg 470, Stockholm 370, Frankfurt 370, Skagen 370, Nurnberg 370, Barcelona 270, Brisbane 270, Doha 112, Dakar 224, Dubai 324, Durban 224 DAB BT, Durban 224 DAB BT, Denver 112 DAB BT, Odense 312 DAB BT, Dublin 112BT, Barcelona 200 DAB BT, Nurnberg 200 DAB BT, Valencia 200 DAB BT, Essen 200 DAB BT, Stockholm 400 DAB BT, Skagen 400 DAB BT, Frankfurt XXX DAB BT

FCC ID: YZV-SQR46

According to the KDB 447498 D01 v06 section 4.3.1, for 100 MHz to 6 GHz and test separation distances  $\leq 50$  mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  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<sup>17</sup>

- The result is rounded to one decimal place for comparison

### Calculation Result:

Tx frequency range: 2402-2480MHz

Min. test separation distance: 5mm

Maximum Conducted Output Power: 2.25dBm

Tune-Up output power: 3dBm

RF channel transmit frequency: 2480MHz

Result: 0.6

Limit: 3.0

The exclusion thresholds is  $0.6 < 3$ , so the transmitter complies with the RF exposure requirements and the SAR is not required.