Standalone SAR test exclusion considerations

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- Transmitting frequency = 2480 MHz
- Min. test separation distance = 0 mm A distance of 5mm is applied to determine SAR test exclusion instead of 0mm.
- Max. power with turn-up tolerance = 6.00 dBm = 4 mW

Typical Power: 4.00 dBm ± 2.00 dB

Measured Average Power: 5.10 dBm

Step 1) SAR test exclusion thresholds for 100MHz to 6GHz at test separationn distances ≤ 50 mm = Used

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)]

= [4.00 / 5] * [√ 2.48]

= **1.26** **≤ 3, for 1g SAR** Thus SAR for this device is not required.

Step 2-1) SAR test exclusion thresholds for 100MHz to 1500MHz at test separationn distances > 50 mm = N/A

[Threshold at 50 mm in step 1) + (test separation distance - 50 mm)·(f(MHz)/150)] mW

Step 2-2) SAR test exclusion thresholds for 1500MHz to 6GHz at test separationn distances > 50 mm = N/A

[Threshold at 50 mm in step 1) + (test separation distance - 50 mm)·10] mW

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