

Standalone SAR test exclusion considerations

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- Transmitting frequency = 2402 MHz

- Min. test separation distance = 5 mm

- Max. power with turn-up tolerance = 5.50 dBm = 4 mW

Max Target Power : 3.50 dBm

Measured Average Power: 3.31 dBm
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Step 1) SAR test exclusion thresholds for 100MHz to 6GHz at test separation distances ≤ 50 mm = Used

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

= [4.00 / 5] * [√ 2.402]

= 1.24 ≤ 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 separation 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