

1. RF EXPOSURE EVALUATION

Test Result of RF Exposure Evaluation

According to the KDB-447498 D01 V05, FCC 47CFR § 2.1093 the following RF exposure evaluation shall to demonstrate RF exposure compliance.

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

* [$\sqrt{f(\text{GHz})}$]

| | Frequency (MHz) | Target power W/ tolerance (dBm) | Max tune up power tolerance (dBm) | Maximum Output Power: mW | Separation distance mm | RF exposure |
|---------------|-----------------|---------------------------------|-----------------------------------|--------------------------|------------------------|-------------|
| 802.11b | 2412 | 8.5 ±1.0 | 9.5 | 8.91 | 5 | 2.77 |
| | 2437 | 8.5 ±1.0 | 9.5 | 8.91 | 5 | 2.78 |
| | 2462 | 8.5 ±1.0 | 9.5 | 8.91 | 5 | 2.80 |
| 802.11g | 2412 | 8 ±1.0 | 9 | 7.94 | 5 | 2.47 |
| | 2437 | 8 ±1.0 | 9 | 7.94 | 5 | 2.48 |
| | 2462 | 8 ±1.0 | 9 | 7.94 | 5 | 2.49 |
| 802.11n(HT20) | 2412 | 7 ±1.0 | 8 | 6.31 | 5 | 2.00 |
| | 2437 | 7 ±1.0 | 8 | 6.31 | 5 | 1.97 |
| | 2462 | 7 ±1.0 | 8 | 6.31 | 5 | 1.98 |
| 802.11n(HT40) | 2422 | 6 ±1.0 | 7 | 5.01 | 5 | 1.56 |
| | 2437 | 6 ±1.0 | 7 | 5.01 | 5 | 1.56 |
| | 2452 | 6 ±1.0 | 7 | 5.01 | 5 | 1.57 |

The Max RF exposure is 2.80.

Threshold at which no SAR required is ≤ 3.0 for 1-g SAR, Separation distance is 5mm.

Conclusion:

So no SAR is required.