

# 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.

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

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

|       | Peak Output power | Target power W/ tolerance (dBm) | Max tune up power tolerance (dBm) | Maximum Output Power: mW | Separation distance mm | RF exposure |
|-------|-------------------|---------------------------------|-----------------------------------|--------------------------|------------------------|-------------|
| 1Mbps |                   |                                 |                                   |                          |                        |             |
| 2402  | 1.988             | 2.0±1.0                         | 3.0                               | 1.995                    | 5                      | 0.618       |
| 2441  | 2.734             | 2.0±1.0                         | 3.0                               | 1.995                    | 5                      | 0.623       |
| 2480  | 2.461             | 2.0±1.0                         | 3.0                               | 1.995                    | 5                      | 0.628       |
| 2Mbps |                   |                                 |                                   |                          |                        |             |
| 2402  | 1.625             | 2.0±1.0                         | 3.0                               | 1.995                    | 5                      | 0.618       |
| 2441  | 2.165             | 2.0±1.0                         | 3.0                               | 1.995                    | 5                      | 0.623       |
| 2480  | 2.282             | 2.0±1.0                         | 3.0                               | 1.995                    | 5                      | 0.628       |
| 3Mbps |                   |                                 |                                   |                          |                        |             |
| 2402  | 2.163             | 2.0±1.0                         | 3.0                               | 1.995                    | 5                      | 0.618       |
| 2441  | 2.616             | 2.0±1.0                         | 3.0                               | 1.995                    | 5                      | 0.623       |
| 2480  | 2.631             | 2.0±1.0                         | 3.0                               | 1.995                    | 5                      | 0.628       |

The Max RF exposure is 0.628.

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

### Conclusion:

So no SAR is required.