

## Test Result of RF Exposure Evaluation

According to the KDB-447498 D01 V06, FCC 47CFR § 2.1091 the following RF exposure evaluation shall to demonstrate RF exposure compliance.

Friis transmission formula:  $P_d = (P_{out} * G) / (4 * \pi * r^2)$

Where

$P_d$  = power density in mW/cm<sup>2</sup>,  $P_{out}$  = output power to antenna in mW;

$G$  = gain of antenna in linear scale,  $\pi = 3.1416$ ;

$R$  = distance between observation point and center of the radiator in cm.

BT3.0

| Frequency | Output Power (dBm) | Target power W/ tolerance (dBm) | Max tune up power tolerance (dBm) | Output power to antenna (mW) | Antenna Gain(dBi) | Power Density at R=20cm (mW/cm <sup>2</sup> ) | Limit (mW/cm <sup>2</sup> ) | Result |
|-----------|--------------------|---------------------------------|-----------------------------------|------------------------------|-------------------|-----------------------------------------------|-----------------------------|--------|
| 1Mbps     |                    |                                 |                                   |                              |                   |                                               |                             |        |
| 2402      | -1.081             | -0.5 ±1.0                       | 0.5                               | 1.12                         | 0.5               | 0.00025                                       | 1.0                         | Pass   |
| 2441      | -0.291             | -0.5 ±1.0                       | 0.5                               | 1.12                         | 0.5               | 0.00025                                       | 1.0                         | Pass   |
| 2480      | 0.002              | -0.5 ±1.0                       | 0.5                               | 1.12                         | 0.5               | 0.00025                                       | 1.0                         | Pass   |
| 2Mbps     |                    |                                 |                                   |                              |                   |                                               |                             |        |
| 2402      | -0.817             | -0.5 ±1.0                       | 0.5                               | 1.12                         | 0.5               | 0.00025                                       | 1.0                         | Pass   |
| 2441      | -0.041             | -0.5 ±1.0                       | 0.5                               | 1.12                         | 0.5               | 0.00025                                       | 1.0                         | Pass   |
| 2480      | 0.086              | -0.5 ±1.0                       | 0.5                               | 1.12                         | 0.5               | 0.00025                                       | 1.0                         | Pass   |
| 3Mbps     |                    |                                 |                                   |                              |                   |                                               |                             |        |
| 2402      | -0.905             | -0.5 ±1.0                       | 0.5                               | 1.12                         | 0.5               | 0.00025                                       | 1.0                         | Pass   |
| 2441      | -0.043             | -0.5 ±1.0                       | 0.5                               | 1.12                         | 0.5               | 0.00025                                       | 1.0                         | Pass   |
| 2480      | 0.462              | -0.5 ±1.0                       | 0.5                               | 1.12                         | 0.5               | 0.00025                                       | 1.0                         | Pass   |

### Conclusion:

So no SAR is required.