

## RF EXPOSURE REPORT

### 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:  $P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$

Where

$P_d$  = power density in  $\text{mW/cm}^2$ ,  $P_{out}$  = output power to antenna in  $\text{mW}$ ;

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

$R$  = distance between observation point and center of the radiator in  $\text{cm}$ .

|      | Target power W/<br>tolerance (dBm) | Max tune up<br>power<br>tolerance<br>(dBm) | Output power<br>to antenna<br>(mW) | Antenna<br>Gain(dBi) | Power Density<br>at $R=20\text{cm}$<br>( $\text{mW/cm}^2$ ) | Limit<br>( $\text{mW/cm}^2$ ) | Result |
|------|------------------------------------|--|------------------------------------|----------------------|---|-------------------------------|--------|
| GFSK | $2 \pm 1.0$                        | 3.0  | 1.995                              | 1.0                  | 0.0005  | 1.0                           | Pass   |