

Analysis Report

Report No.: 21080304HKG-001

According to the KDB 447498:

Based on the Maximum allowed field strength of production tolerance was -5dBm in frequency 915MHz, thus;

It below calculated field strength according to minimum SAR exclusion threshold level as follows:

The worst case of SAR Exclusion Threshold Level:
= $3.0 * (\text{min. test separation distance, mm}) / \sqrt{\text{freq. in GHz}}$
= $3.0 * 5 / \sqrt{0.915}$ mW
= 15.7 mW

According to the KDB 412172 D01:
 $\text{EIRP} = [(\text{FS} * \text{D})^2 * 1000 / 30]$

Calculated Field Strength for 15.7mW is 107.2dBuV/m @3m (12dBm)

Since maximum field strength plus production tolerance $\leq 107.2\text{dBuV/m @3m (12dBm)}$ and antenna gain is $\geq 0.0\text{dBi}$, it is concluded that maximum Conducted Power and Field Strength are well below the SAR Exclusion threshold level, so the EUT is considered to comply with SAR requirement without testing.