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 * (min. test separation distance, mm) / sqrt(freq. in GHz)
= 3.0 * 5 / sqrt (0.915) mW
= 15.7 mW

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

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

Since maximum field strength plus production tolerance < = 107.2dBuV/m @3m (12dBm) and antenna gain is > = 0.0dBi, 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.