

Analysis Report

Report No.: HK22071098

The Equipment Under Test (EUT) is a Spare-it Scale with LoRa connectivity.

Antenna Type: Internal integral antenna

Maximum Antenna Gain: 2.9 dBi

Conducted Power range: -10 dBm (Minimum) to +10 dBm (Maximum)

According to the KDB 447498 D01 v06:

Based on the Maximum allowed conducted power of production tolerance was +10 dBm, thus;

So;

Maximum Conducted Power = 10 mW.

The SAR Exclusion Threshold Level:

$= 3.0 * (\text{min. test separation distance, mm}) / \sqrt{\text{freq. in GHz}}$

$= 3.0 * 5 / \sqrt{0.928} \text{ mW}$

$= 15.6 \text{ mW}$

Since the above conducted output power is well below the SAR Exclusion threshold level, so the EUT is considered to comply with SAR requirement without testing.