

# FCC RF Exposure

EUT Description: SK622

Model No.: SK-622-GKTR1-US, SK-622-GKTL1-US, SK-622-GKTM1-US, SK-622-SKTR1-US,  
SK-622-SKTL1-US, SK-622-SKTM1-US

FCC ID: 2AR8X-SK622GKTR1

## 1. Limits

According to KDB 447498 D01 General RF Exposure Guidance v06 The 1 - g and 10 - g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:  

$$\left[ \frac{\text{max power of channel, including tune - up tolerance, mW}}{\text{min. test separation distance, mm}} \right] \cdot \sqrt{f(\text{GHz})} \leq 3.0$$
 for 1 - g SAR and  $\leq 7.5$  for 10 - g extremity SAR,

Where:

$$\text{Result} = P/D \cdot \sqrt{F}$$

F= the RF channel transmit frequency in GHz

P=Maximum turn - up power in mw

D=Min. test separation distance in mm

## 2. Test Result of RF Exposure Evaluation

### 2.4G

|   | Output power (dBm) | Tune Up Power (dBm) | Max Tune Up power dBm/mW | Min test separation distance mm | Result   | Limit | SAR Test Exclusion |
|---|--------------------|---------------------|--------------------------|---------------------------------|----------|-------|--------------------|
| BT  | -8.835             | $-9 \pm 1$          | -8/0.16                  | 5                               | 0.049593 | 3.0   | Pass               |
| Note:<br>PK Output power= conducted power.<br>Conducted power see the test report <b>HK2005120916-E</b> , antenna gain=0dBi |                    |                     |                          |                                 |          |       |                    |

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine RF Exposure test exclusion. The test exclusion threshold is 0.049593 which is  $\leq 3$ , RF Exposure testing is not required.

Note: Exclusion Thresholds Results= $\left[ \frac{\text{max. power of channel, including tune-up tolerance, mW}}{\text{min. test separation distance, mm}} \right] \cdot \sqrt{f(\text{GHz})}$

f(GHz) is the RF channel transmit frequency in GHz

Distance=5mm