FCC RF Exposure

EUT Description: Oaks smart panel
Model No.: OAKSCL-01
FCC ID: 2AH4J-OAKSLOCK340

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 ≤50 mm are determined by: [(max power of channel, including tune‐up tolerance, mW)/(min. test separation distance, mm)] •[√ f(GHz)]≤3.0 for 1‐g SAR and ≤ 7.5 for 10‐g extremity SAR,

Where:
Result=P/D* √ 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	-3.849	-4±1	-3/0.50	5	0.15498	3.0	Pass
Note: PK Output power= conducted power. Conducted power see the test report **HK2011140542-1E**, 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 0.15498 which is<= 3, RF Exposure testing is not required.

Note: Exclusion Thresholds Results=[(*max. power of channel, including tune-up tolerance, mW*) / (*min. test separation* distance, mm)] • [√ f(GHz)]
f(GHz) is the RF channel transmit frequency in GHz
Distance=5mm