FCC RF Exposure

Product Name: Trail Camera
FCC ID: 2BLWP-PH970S
Model(s): PH970S

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

Frequency (MHz)	Output power (dBm)	Tune Up Power (dBm)	Max Tune Up power dBm/mW	Min test separation distance mm	Result	Limit (mW/cm^2)	SAR Test Exclusion
BLE: 2402	3.83	3±1	4/2.51	5	0.778	3.0	Pass
2.4G WIFI: 2437	7.92	7.5±1	8.5/7.08	5	2.211	3.0	Pass
Note: PK Output power= conducted power. Conducted power see the test report **HK2410125962-1E/2E**, antenna gain=-0.58dBi(BLE), 3.88dBi(BLE) 2.4G WIFI (max)= 2.211 (mW/cm^2) BLE (max)= 0.778 (mW/cm^2) simultaneously MPE=0.778+2.211=2.989(mW/cm^2)							

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 2.989 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*)] ·[$\sqrt{f_{(GHz)}}$]

$f_{(GHz)}$ is the RF channel transmit frequency in GHz

Distance=5mm