

FCC RF Exposure

EUT Description: WIRELESS PODS

Model No.: TWS-Y

FCC ID: 2BFMO-TWSY

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)] \cdot $\sqrt{f(\text{GHz})}$ ≤ 3.0 for 1 - g SAR and ≤ 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

	Output power (dBm)	Tune Up Power (dBm)	Max Tune Up power dBm/mW	Min test separation distance mm	Result	Limit (mW/c m ²)	SAR Test Exclusion
BLE	3.56	3±1	4/2.51	5	0.791	3.0	Pass
EDR	4.1	4±1	5/3.61	5	0.996	3.0	Pass

Note:
PK Output power= conducted power.
Conducted power see the test report **HK2312276346-1E/2E**, antenna gain= -8.46dB

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 0.996 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)] \cdot $\sqrt{f(\text{GHz})}$

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

Distance=5mm