# FCC RF Exposure

EUT Description: **TWS BLUETOOTH EARPHONE**
Model No.: **SM-02**
FCC ID: **2AV2E-SM-02**

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 mW | Min test separation distance mm | Result | Limit | SAR Test Exclusion |
|---|---|---|---|---|---|---|---|
| EDR | -6.312 | -6±1(-5) | 0.32 | 5 | 0.099 | 3.0 | Pass |
| Note:<br>PK Output power= conducted power.<br>Conducted power see the test report HK2003180411-1E<br>antenna gain=1.8dBi | | | | | | | |

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 2.492 which is<= 3, SAR 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