

FCC RF Exposure

Product Name: Bluetooth Earphone

FCCID: 2BA8C-LP30PRO

Model(s): LP-30 pro, LP-20 pro, LP-40 pro, LP-50 pro, LP-60 pro, RW 02, RW 03, RW 04, RE-BL02, RE-BL03, RE-BL04, RE-HG01, RE-HG02, RE-HG03, RE-NC11, RE-S101, RE-S202, RE-S303, RE-S404, RE-S505, RE-S606, RE-S707

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:

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

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
EDR: 2480	0.1	0 ± 1	1/1.26	5	0.397	3.0	Pass

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2306122429-E**, antenna gain=2.36dBi

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 0.397 which is ≤ 3 , RF Exposure testing is not required.

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

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

Distance=5mm