

FCC RF Exposure

EUT Description: Bluetooth headset

Model No.: LR01, LR02, LR03, LR04, LR05, LR06, TWS—T5, RIYIN16, RIYIN17, RIYIN18, RIYIN19, RIYIN33, RIYIN35, RIYIN36, RIYIN37, RIYIN63, RIYIN65, RIYIN66, RIYIN67, RIYIN68, RIYIN73, RIYIN75, RIYIN76, RIYIN77, RIYIN78, RIYIN85, RIYIN86

FCC ID: 2A5KK-LR01

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:

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
2480	-5.23	-5 ± 1	-4/0.40	5	0.126	3.0	Pass
Note: PK Output power= conducted power. Conducted power see the test report HK2203090976-E , antenna gain=-0.58dBi							

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 0.126 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