FCC RF Exposure

EUT Description: UHF wireless microphone system

Model No.: BG-250U,BG-260U,BG-280U,BG-228U,BG-210U,U-260,U-250,U-280,U-210,U-220

FCC ID: 2AZWQ-BG250U

Equipment type: Portable Device

1. Test Procedure

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 \leq 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/ (min. test separation distance, mm)] • [$\sqrt{f(GHz)}$] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,

where

f(GHz) is the RF channel transmit frequency in GHz Power and distance are rounded to the nearest mW and mm before calculation The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is \leq 50 mm and for transmission frequencies between 100 MHz and 6GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

2. Test Result of RF Exposure Evaluation

Wireless Microphone	
CH/Frequency	Conducted Peak Output power (dBm/ mW)
470MHz- 608MHz	8.935/7.825

Turn-up power	
Mode	Conducted Peak power range(dBm)
wireless microphone	6.00-9.00

FCC exclusion condition as below:

[608MHz, 9dBm/7.943mW) output power] (7.943mW /5mm) *[v0.608(GHz)] =1.239<3.0 for 1-g SAR

Conclusion: No SAR is required