

# FCC RF Exposure

FCC ID:2AU9Y-ZT2220

EUT Description: 2.4G wireless microphone

Model No.:ZT2220

Series Model:ZT2221/ZT2222/ZT2124/ZT2225/ZT2226/ZT210/ZT312/  
ZT313/ZT314/ZT410/ZT411/ZT412/AM-W10/AM-W11/  
AM-W15 /W1/W2/W3/K10/BKB20/BKB10

Equipment type: Portable Device

According to KDB447498 D01 General RF Exposure Guidance v06 Section 4.3.1, Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numericasimulation, is not required when the corresponding SAR Test Exclusion Thresholocondition(s), listed below, is (are) satisfied.

For 100 MHz to 6 GHz and test separation distances < 50 mm, the 1-g and 10-g SAR testexclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distancemm})] \cdot [\text{vfGHz}] < 3.0$  for 1-g SAR, and s 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

$\text{EIRP} = \text{EMeas} + 20\log(\text{dmeas}) - 104.7$

EIRP is the equivalent isotropically radiated power,

EMeas in dBm is the field strength of the emission at the measurement distance, in dB u V/m

dmeas is the measurement distance, in m

Field strength(dBuV/m)	EIRP(dBm)	Max tune-up(mW)	Frequency(MHz)	Min. distance(mm)	Calc. thresholds	limit
79.34	-15.86	0.02594	2402	5	0.00804	3.0
77.78	-17.42	0.01811	2440	5	0.00565	3.0
78.35	-16.85	0.02065	2480	5	0.00650	3.0

Conclusion: No SAR is required