RF Exposure Requirements

Product Description: Wireless Microphone
Model No.: U10, U2, U3, U5, U6, U7, U8, U9, U11, U20, U30, DGMC30W, DGMC80W, S615, ZW-S615
FCC ID: 2ANO3-U10

According to the KDB 447498 D01 v06 section 4.3.1, for 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:
[(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
- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation17
- The result is rounded to one decimal place for comparison

Calculation Result:

Tx frequency range: 520MHz - 526MHz
Min. test separation distance: 5mm
Maximum Conducted Output Power: 6.66dBm
Tune-Up output power: 7dBm
RF channel transmit frequency: 523MHz
Result: 0.7
Limit: 3.0

The exclusion thresholds is 0.7 < 3, so the transmitter complies with the RF exposure requirements and the SAR is not required.