

# **FCC ID:2AZ9W-WR06-05CH**

Portable device

According to §15.247(e)(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to KDB447498 D01 General RF Exposure Guidance V06

The 1-g SAR and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

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

- $f(\text{GHz})$  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

When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion.

## **433.92**

Transmit power:

Frequency (MHz)	EIRP power (dBuV/m)	EIRP power (dBm)
433.92	77.85	-17.41

$$\text{EIRP} = \text{E} - 104.8 + 20 \log(D)$$

$\text{EIRP} = \text{conducted power} + \text{antenna gain}$

antenna gain: -3dBi;

Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Conducte d power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculation	SAR Exclusion threshold	SAR test exclusion
FSK	0.43392	-20.41	0.009	-20±1	-19	0.013	<5	0.00166	3.00	YES

## **Conclusion:**

For the max result :  $0.00166 \leq 3.0$  for 1g SAR, SAR is not required.



**Signature:**

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