

## RF EXPOSURE EVALUATION

### 1. PRODUCT INFORMATION

Product Description	1:24 RC Cat 950M Wheel Loader
Model Name	25003
FCC ID	2AUJF-25003

### 2. EVALUATION METHOD

According to 447498 General RF Exposure Guidance.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 5$  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

### 3. CALCULATION

According to the follow transmitter output power (  $P_t$  ) formula :

According to the report NTC-ER2003020,

$P_t = 83.84$  dBuV/m @3m = -11.39 dBm

The result for RF exposure evaluation

$\text{SAR} = (\text{max. tune-up power}(0.079\text{mW}) / 5\text{mm}) \cdot [\sqrt{2.41(\text{GHz})}] = 0.025 < 3.0$  for 1-g SAR

### 4. CONCLUSION

The SAR evaluation is not required.