

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Tablet PC
Model Name	7DTB44
FCC ID	YH57DTB44

2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v05

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 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 ≤ 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 AGC05465160701FE04,

$P_t = 9.78 \text{ dBm} = 9.51 \text{ mW}$

The result for RF exposure evaluation

$\text{SAR} = (9.51 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.462(\text{GHz})}] = 2.98 < 3.0$ for 1-g SAR

Note: For RF exposure evaluation, the Maximum power at WIFI mode is the worst case.

4. CONCLUSION

The SAR evaluation is not required.