

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Tablet PC
Model Name	MT-715QR, MT-762QR, MT-701QU, MT-761QU, MT-702QU, MT-750QU, MT-1011QU, MT-805QM, MT-815QU
FCC ID	2AYETMT-7

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 \leq 5 mm are determined by:

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

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

BLE:

$Pt=3.537\text{dBm}=2.258\text{mW}$

The value of the Maximum output power Pt is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation $SAR=(2.258\text{mW} / 5\text{mm}) \cdot [\sqrt{2.44(\text{GHz})}] = 0.704 < 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BR/EDR:

$Pt=3.492\text{dBm}=2.235\text{mW}$

The value of the Maximum output power Pt is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation $SAR=(2.235\text{mW} / 5\text{mm}) \cdot [\sqrt{2.402(\text{GHz})}] = 0.693 < 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

2.4G WIFI:

$Pt=8.49\text{dBm}=7.063\text{mW}$

The value of the Maximum output power Pt is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation $SAR=(2.74\text{mW} / 5\text{mm}) \cdot [\sqrt{2.462(\text{GHz})}] = 2.190 < 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

Note: The 2.4GHz WIFI band and BT band can transmit simultaneously.

$0.704/3+2.190/3=0.965 < 1$

4. CONCLUSION

The SAR evaluation is not required.