

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Table PC
Model Name	7C08, Q88, 7C06, 7C09, 766
FCC ID	2AN5S-7C08

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:

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

2. $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})/x}] \leq 1.0$ W/kg, for test separation distances ≤ 50 mm; where $x = 7.5$ for 1-g SAR and $x = 18.75$ for 10-g SAR.

3. CALCULATION

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

BR/EDR

$P_t = 0.745 \text{ dBm} = 1.19 \text{ mW}$

The result for RF exposure evaluation

$\text{SAR} = (1.19 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.48(\text{GHz})}] = 0.37 < 3.0$ for 1-g SAR

BLE

$P_t = 0.914 \text{ dBm} = 1.23 \text{ mW}$

The result for RF exposure evaluation

$\text{SAR} = (1.23 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.48(\text{GHz})}] = 0.39 < 3.0$ for 1-g SAR

WIFI

$P_t = 9.33 \text{ dBm} = 8.57 \text{ mW}$

The result for RF exposure evaluation

$\text{SAR} = (8.57 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.462(\text{GHz})}] = 2.69 < 3.0$ for 1-g SAR

2. The result for RF exposure evaluation

$\text{SAR} = (0.39 + 2.69) / 7.5 = 0.410 \text{ W/kg} < 1.6 \text{ W/kg}$

4. CONCLUSION

The SAR evaluation is not required.

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