

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product name	CD Shelf System With AM/FM Stereo Radio and Bluetooth Wireless Technology
Model Name	MM435,M029B,MS500B,BS029MS,NS-441,MM434
FCC ID	2AT26-M029B

2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v06

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

$P_t = 2\text{dBm} = 1.58\text{mW}$ (Max tune-up Power)

The result for RF exposure evaluation $\text{SAR} = (1.58\text{mW} / 5\text{mm}) \cdot [\sqrt{2.402(\text{GHz})}] = 0.491 < 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

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

4. CONCLUSION

The SAR evaluation is not required.