

Radio frequency radiation exposure evaluation: portable devices

RESULT :

Pass

Test Specification

Test item : Macro Twin Flash
 Identification / Type No. : MF-T76 C, MF-T76 S, MF-T76 N
 FCC ID : 2ABYN144
 Test standard : CFR47 FCC Part 2: Section 2.1093
 FCC KDB Publication 447498 D04

The 1-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

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

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- When the minimum test separation distance is < 5 mm, a distance of 5 mm according is applied to determine SAR test exclusion.
- The result is rounded to one decimal place for comparison

FCC Measurement Record:

92.53dBuV/m=92.53 - 95.2=-2.67dBm

Modulation	Frequency (GHz)	Max. Power (dBm)	Tune up Power (dBm)	Max. Tune up Power (dBm)	Max. Tune up Power (mW)	Test distance (mm)	Result	exclusion thresholds for 1-g SAR
MSK	2.437999878	-2.67	-3±1	-2	0.631	5	0.197	3.0