

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Job No.: 220126022GZU Page: 1 of 1 FCC ID: 2A5CQ44001

RF Exposure Compliance Requirement

Calculation formula:

 $E (V/m) = (30*P*G)^{0.5}/d$

E = Electric Field (V/m)

P = Peak RF output Power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between EUT and antenna (m)

 $P=(E^*d)^2/30G$

In the formula above, d=3m, field strength= 91.19dBuV/m(max. provided by client), antenna gain= 0dBi so P=0.40mW

In KDB 447498 D01 v06: 4.3.1 Standalone SAR test exclusion considerations:

The SAR Test Exclusion Threshold is calculated from:

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

The worst case test separation distance is 5mm.

The product belongs to **standalone portable device** base the FCC rule part 2.1091&2.1093. The transmission frequencies of the device are between 100 MHz and 6 GHz.

The SAR Test Exclusion Threshold (mW) is listed below:

Transmit frequency (MHz)	Output power (mW)	SAR Test Exclusion Threshold (mW)
2413-2472	0.40	9.5

According to SAR Exclusion Threshold in KDB 447498 (D01) General RF Exposure Guidance v06, the SAR report is not required.