

## **Intertek Testing Services Shenzhen Ltd. Guangzhou Branch**

Job No.: 201130175GZU Page: 1 of 1

FCC ID: 2AXPN80-8321-2PK

## **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= 99dBuV/m(max. provided by client), antenna gain= 0dBi so P=2.38298mW

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	SAR Test Exclusion
	(mW)	Threshold (mW)
2420	2.38298	9.6
2450	1.61110	9.6
2470	0.68726	9.6