FCC ID: S29SCOUT-X4

RF Exposure requirements

MPE Evaluation

$S = PG^{*}$ Duty factor / $4\pi R^{2}$

P = Peak Power Input to antenna (Watts)

G =Antenna Gain (numeric)

R = distance to the center of radiation of antenna (in meter) = 0.20 m

Note:

1) P (Watts)=(10 A (dBm /10))/1000

2) G (Antenna gain in numeric) = 10A (Antenna gain in dBi /10)

3) Duty factor

4) π =3.142

MPE Results

Module typ	Antenna Gain (dBi)	Peak Output Power (dBm)	Peak Output Power (mW)	Duty factor	Calculated RF Exposure @ 20cm (mW/cm^2)	Limit (mW/cm^2)
RX709	≤ 3	15.34	34.20	1	0.007	1
BT-2401A	≤ 3	18.28	67.30	1	0.013	1

The device complies with RF exposure requirements for body exposure at a separation distance of 20 cm.