FCC ID: SOZPTAG13-C43G

According to FCC part 1.1310 : The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in § 1.1307(b)

Limits for Maximum Permissible Exposure (MPE)

Frequency range (㎒)	Electric field strength(V/m)	Magnetic field strength(A/m)	Power density (㎽/㎠)	Average time
(A) Limits for Occupational / Control Exposures				
300 – 1 500	--	--	f/300	6
1 500 - 100000	--	--	5	6
(B) Limits for General Population / Uncontrol Exposures				
300 – 1 500	--	--	f/1500	6
500 – 100 000	--	--	1	30

f= frequency in ㎒

Friis transmission formula: Pd = (Pout×G)/(4×pi×R2)
Where,
Pd = power density in ㎽/㎠
Pout = output power to antenna in ㎽
G = gain of antenna in linear scale
Pi = 3.1416
R = distance between observation point and center of the radiator in cm
Pd the limit of MPE, 1 ㎽/㎠. If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance where the MPE limit is reached.

Reault

<zigbee>

Operation mode	Frequency (MHz)	Antenna gain (dBi)	Power density at 0.1 ㎝(㎽/㎠)	Limit (㎽/㎠)
DSSS	2405	2.5	0.00053	1

<CDMA>

Operation mode	Frequency (MHz)	Antenna gain (dBi)	Power density at 0.1 ㎝(㎽/㎠)	Limit (㎽/㎠)
Cellular	824.70	1.8	0.037	0.566
PCS	1851.25	1.8	0.028	1

2. Conclusion : No SAR is required.