FCC ID: 2A3OORM20

RF Exposure Evaluation

LIMIT

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 1.1310(e)

Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)		
(A) Limits for Occupational/Controlled Exposures						
0.3-3.0	614	1.63	*(100)	6		
3.0–30	1842/f	4.89/f	*(900/f ²)	6		
30–300	61.4	0.163	1.0	6		
300–1500	-	-	f/300	6		
1500-100,000	-	-	5	6		
(B) Limits for General Population/Uncontrolled Exposure						
0.3–1.34	614	1.63	*(100)	30		
1.34–30	824/f	2.19/f	*(180/f ²)	30		
30–300	27.5	0.073	0.2	30		
300–1500	-	-	f/1500	30		
1500-100,000	-	-	1.0	30		

Note: f = frequency in MHz

EVALUATION METHOD

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Transmission formula: $Pd = (Pout*G)/(4*pi*r^2)$

Where

Pd = power density in mW/cm², Pout = output power to antenna in mW, G = gain of antenna in linear scale;

Pi = 3.1416, R = distance between observation point and center of the radiator in cm

■ Not Applicable

3.5

TEST RESULT

□ Passed

Maximum conducted output	Antonno Coin (dDi)	Power Density Limit	Safety Distance(cm)
power(W)	Antenna Gain (dBi)	(mW/cm2)	

1.0

66.74

Note:

1) If the antenna gain is 3.5dBi, The exposure safety distance is at least 66.74cm.