



Evaluation of Human Exposure to Radio Frequency Emissions

05/22/2023

Site: PHO_INDIANBENDSCOTSDL_RELO

Scottsdale, AZ

Prepared for: Verizon

SITE RESULTS:

Site ID: N/A		Site Name: PHO_INDIANBENDSCOTSDL_RELO			
Date of Evaluation		04/13/2023	Site Evaluator (name): Mohamed Ahmed		
Site Type	Building		Tower/Monopole.	Water Tower	XX
Address: 7301 E. Indian Bend Road, Scottsdale, AZ 85250					
GPS NAD83	N 33.537545	W -111.923229			
Site Compliant	Yes				

An analysis of this Communications Facility has been completed to determine if it is compliant with guidelines set forth by the Federal Communications Commission (FCC) with regards to maximum human exposure limits. This determination of FCC Compliance is applicable to all transmitting equipment at this location.

Calculations of the proposed implementation of this site have been performed using RoofMaster® analysis software. We have determined that the proposed implementation will result in an increase to the overall RF environment. This site will be **compliant** with FCC guidelines as proposed by Verizon Wireless.

Limits for Occupational/Controlled Exposure				
Frequency Range [MHz]	Electric Field Strength (E) [V/m]	Magnetic Field Strength (H) [A/m]	Power Density (S) [mW/Cm ²]	Averaging Time E ^2, H ^2 or S [minutes]
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	6
300 - 1,500	-	-	f/300	6
1,500 - 100,000	-	-	5	6

Limits for General Population/Uncontrolled Exposure				
Frequency Range [MHz]	Electric Field Strength (E) [V/m]	Magnetic Field Strength (H) [A/m]	Power Density (S) [mW/Cm ²]	Averaging Time E ^2, H ^2 or S [minutes]
0.3 - 3.0	614	1.63	100*	30
3.0 - 30	842/f	2.19/f	180/f ² *	30
30 - 300	27.5	0.073	0.2	30
300 - 1,500	-	-	f/1500	30
1,500 - 100,000	-	-	1	30

f = frequency

*Plane-wave equivalent power density

Preparer Certification

I, **Mohamed Ahmed**, the preparer of this report, am fully aware of and familiar with the Rules and Regulations of both the Federal Communications Commissions (FCC) and the Occupational Safety and Health Administration (OSHA) with regard to Human Exposure to Radio Frequency Radiation. I am also fully aware of and familiar with the Verizon Wireless Signage & Demarcation Policy. I have reviewed this Radio Frequency Exposure Assessment report and believe it to be both true and accurate to the best of my knowledge.

A rectangular box containing a handwritten signature in black ink, which appears to be "Mohamed Ahmed".

Reviewer Certification

I, **Mike Arnold**, the reviewer and approved of this report, am fully aware of and familiar with the Rules and Regulations of both the Federal Communications Commissions (FCC) and the Occupational Safety and Health Administration (OSHA) with regard to Human Exposure to Radio Frequency Radiation. I am also fully aware of and familiar with the Verizon Wireless Signage & Demarcation Policy. I have reviewed this Radio Frequency Exposure Assessment report and believe it to be both true and accurate to the best of my knowledge.

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