

Model Information	
FCC ID:	NZLSAHL5P
Model:	SAHL5P
# of Transmitters Simultaneously Transmitting	1 Transmitter
Distance to User (cm)	20
Mobile or Portable	Mobile
Field Strength or Worse Case Output Power	
Radiated Field Strength - 288MHz(dBuV/m)	81.44
Radiated Field Strength - 310MHz(dBuV/m)	83.12
Radiated Field Strength - 365MHz(dBuV/m)	85.24
Radiated Field Strength - 430MHz(dBuV/m)	89.16

Requirements	
Distance to User (cm):	d _≥ 20
Exposure Condition:	Mobile
Model Information	
Frequency (MHz):	288
Measured Field Strength (dBuV/m):	81.44
Distance to User (cm):	20
dBuV/m to V/m	0.012
Worst Case EIRP (mW)	0.041795
Power Density (mW/cm ²)	0.000008
Power Density Limit (mW/cm ²)	0.2
Ratio	4.1574E-05

Exposure Evaluation
Equation from page 18 of OET Bulletin 65, Edition 97-01
 $S=(PG)/4\pi R^2$
Where S: power density
P: power input to the antenna
G: power gain of the antenna in the direction of interest relative to an isotropic radiator.
R: distance to the center of radiation of the antenna

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(ii) 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
300-1,500			f/1500	<30
1,500-100,000			1.0	<30

f = frequency in MHz. * = Plane-wave equivalent power density.

Permissible Exposure (MPE)

According to KDB447498 Section 3, the RF exposure guidelines adopted by the FCC are based on SAR and MPE limits. The basic restrictions for human exposure is defined by SAR limits. MPE limits are derived from the SAR limits, in terms of free-space field strength and power density.

Requirements	
Distance to User (cm):	d _≥ 20
Exposure Condition:	Mobile
Model Information	
Frequency (MHz):	310
Measured Field Strength (dBuV/m):	83.12
Distance to User (cm):	20
dBuV/m to V/m	0.014
Worst Case EIRP (mW)	0.061535
Power Density (mW/cm ²)	0.000012
Power Density Limit (mW/cm ²)	0.206666667
Ratio	5.92354E-05

Exposure Evaluation
Equation from page 18 of OET Bulletin 65, Edition 97-01
 $S=(PG)/4\pi R^2$
Where S: power density
P: power input to the antenna
G: power gain of the antenna in the direction of interest relative to an isotropic radiator.
R: distance to the center of radiation of the antenna

Table 1 from 47 CFR 1.1310—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)
(ii) 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
300-1,500			f/1500	<30
1,500-100,000			1.0	<30

f = frequency in MHz. * = Plane-wave equivalent power density.

According to KDB447498 Section 3, the RF exposure guidelines adopted by the FCC are based on SAR and MPE limits. The basic restrictions for human exposure is defined by SAR limits. MPE limits are derived from the SAR limits, in terms of free-space field strength and power density.

Requirements	
Distance to User (cm):	d _≥ 20
Exposure Condition:	Mobile
Model Information	
Frequency (MHz):	365
Measured Field Strength (dBuV/m):	85.24
Distance to User (cm):	20
dBuV/m to V/m	0.018
Worst Case EIRP (mW)	0.100259
Power Density (mW/cm ²)	0.000020
Power Density Limit (mW/cm ²)	0.243333333
Ratio	8.1969E-05

Exposure Evaluation
Equation from page 18 of OET Bulletin 65, Edition 97-01
 $S=(PG)/4\pi R^2$
Where S: power density
P: power input to the antenna
G: power gain of the antenna in the direction of interest relative to an isotropic radiator.
R: distance to the center of radiation of the antenna

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(ii) 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
300-1,500			f/1500	<30
1,500-100,000			1.0	<30

f = frequency in MHz. * = Plane-wave equivalent power density.

Permissible Exposure (MPE)

According to KDB447498 Section 3, the RF exposure guidelines adopted by the FCC are based on SAR and MPE limits. The basic restrictions for human exposure is defined by SAR limits. MPE limits are derived from the SAR limits, in terms of free-space field strength and power density.

Requirements	
Distance to User (cm):	d _≥ 20
Exposure Condition:	Mobile
Model Information	
Frequency (MHz):	430
Measured Field Strength (dBuV/m):	89.16
Distance to User (cm):	20
dBuV/m to V/m	0.029
Worst Case EIRP (mW)	0.247241
Power Density (mW/cm ²)	0.000049
Power Density Limit (mW/cm ²)	0.286666667
Ratio	0.000171583

Exposure Evaluation
Equation from page 18 of OET Bulletin 65, Edition 97-01
 $S=(PG)/4\pi R^2$
Where S: power density
P: power input to the antenna
G: power gain of the antenna in the direction of interest relative to an isotropic radiator.
R: distance to the center of radiation of the antenna

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(ii) 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
300-1,500			f/1500	<30
1,500-100,000			1.0	<30

f = frequency in MHz. * = Plane-wave equivalent power density.

Permissible Exposure (MPE)

According to KDB447498 Section 3, the RF exposure guidelines adopted by the FCC are based on SAR and MPE limits. The basic restrictions for human exposure is defined by SAR limits. MPE limits are derived from the SAR limits, in terms of free-space field strength and power density.

FCC Total Exposure Ratio	
Specification/Frequency Band	Worse Case
15.231 - 286-440MHz	0.000172