Model Information	
FCC ID:	NZLFDMHL6A
Model:	FDMHL6A
# of Transmitters Simultaneously Transmitting	3
Distance to User (cm)	20
Mobile or Portable	Mobile
Field Strength or Worse Case Output Power	
Radiated Field Strength - 288MHz(dBuV/m)	80.31
Radiated Field Strength - 310MHz(dBuV/m)	83.1
Radiated Field Strength - 365MHz(dBuV/m)	87.16
Radiated Field Strength - 430MHz(dBuV/m)	88.66
Worse Case Output Power - 902-928MHz (dBm)	5.7
Worse Case Output Power - BLE - 2.4GHz (dBm)	4.3
Antenna Gain	
Worse Case Antenna Gain - HL High Band (dBi)	-8.28
Worse Case Antenna Gain - BLE (dBi)	-3.18

Requirements	
Distance to User (cm):	d≥20
Exposure Condition:	Mobile
Model Information	
Frequency (MHz):	288
Measured Field Strength (dBuV/m):	80.31
Distance to User (cm):	20
dBuV/m to V/m	0.010
Worst Case EIRP (mW)	0.032220
Power Density (mW/cm^2)	0.000006
Power Density Limit (mW/cm^2)	0.2
Ratio	3.20495E-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

ermissible 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):	310
Measured Field Strength (dBuV/m):	83.10
Distance to User (cm):	20
dBuV/m to V/m	0.014
Worst Case EIRP (mW)	0.061252
Power Density (mW/cm^2)	0.000012
Power Density Limit (mW/cm^2)	0.206666667
Ratio	5.89632E-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):	87.16
Distance to User (cm):	20
dBuV/m to V/m	0.023
Worst Case EIRP (mW)	0.155999
Power Density (mW/cm^2)	0.000031
Power Density Limit (mW/cm^2)	0.243333333
Ratio	0.000127541

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

ermissible 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):	430
Measured Field Strength (dBuV/m):	88.66
Distance to User (cm):	20
dBuV/m to V/m	0.027
Worst Case EIRP (mW)	0.220354
Power Density (mW/cm^2)	0.000044
Power Density Limit (mW/cm^2)	0.286666667
Ratio	0.000152923

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

ermissible 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):	902
Distance to User (cm):	20
Worse Case Output Power (dBm):	5.70
Distance to User (cm):	20.1
Antenna Gain (dBi)	-8.28
Numerical Antenna Gain	0.148593564
Tune Up Adjustment (dB)	1
Worse Case Output Power with tune up tolerance (dBm):	6.70
Worse Case Output Power with tune up tolerance (mW):	4.677
EIRP (mW)	0.695024
Power Density (mW/cm^2)	0.000931
Power Density Limit (mW/cm^2)	0.601333333
Ratio	0.001548229

Exposure Evaluation
Equation from page 18 of OET Bulletin 65, Edition 97-01
S=(PG)/4πR 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

ermissible 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):	2402
Distance to User (cm):	20
Worse Case Output Power (dBm):	4.30
Distance to User (cm):	20
Antenna Gain (dBi)	-3.18
Numerical Antenna Gain	0.480839348
Tune Up Adjustment (dB)	1
Worse Case Output Power with tune up tolerance (dBm):	5.30
Worse Case Output Power with tune up tolerance (mW):	3.388
EIRP (mW)	1.629296
Power Density (mW/cm^2)	0.000674
Power Density Limit (mW/cm^2)	1
Ratio	0.000674451

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.

FCC Total Exposure Ratio	
Specification/Frequency Band	**Worse Case**
15.231 - 286-440MHz	0.000153
15.247 - 902-928MHz	0.001548
15.247 - 2.4GHz (BLE)	0.000674
Total Exposure Ratio=	0.002786