DUTY CYCLE CALCULATIONS

For: Pelican Accessories, FCC ID: O7X-562188

The following calculations show the worst case 100 ms duty cycle correction used for calculating the average level of the harmonic emissions.

The worst case coding has a pulse width of 18.5 ms on time.

ON TIME PER 100 ms:

18.5 ms x 2 = 37 ms ON TIME PER 100 ms

= 37% DUTY CYCLE

= -8.64 dB

FCC 3M PART 15.247 RADIATED EMISSIONS DATA - SITE 2
Average Emissions Data

CLIENT: Pelican Accessories
MODEL NO: Freedom Shock 2 Controller Pad
DATE: 10/5/2000
BY: Steve Koster
JOB #: 6031x
Tx Frequency: 916.59MHz

Frequency	Polarity	Azimuth	Ant Height	SA Level Peak	Afd	AFc	E-Field	E-Field	Limit	Margin	
MHz	H/V	Degree	m	dBuV	dB	dB/m	dBuV/m	uV/m	uV/m	dB	
1833.00	V	135.00	1.0	62.7	-8.6	-7.0	47.1	226.2	500.0	-6.9	
1833.00	H	0.00	1.0	68.1	-8.6	-7.0	52.5	421.2	500.0	-1.5	
2749.39	H	202.50	1.0	65.2	-8.6	-4.8	51.8	387.4	500.0	-2.2	
2749.39	V	0.00	1.0	65.2	-8.6	-4.8	51.8	387.4	500.0	-2.2	
3665.71	V	0.00	1.0	63.2	-8.6	-3.7	51.0	353.6	500.0	-3.0	
3665.71	H	180.00	1.0	63.4	-8.6	-3.7	51.1	361.0	500.0	-2.8	
4582.21	V	135.00	1.0	52.2	-8.6	-2.7	40.9	110.7	500.0	-13.1	
4582.21	H	0.00	1.0	55.3	-8.6	-2.7	44.0	158.0	500.0	-10.0	
5498.67	V	0.00	1.0	47.1	-8.6	-2.0	36.5	67.0	500.0	-17.5	Ambient
6415.26	V	0.00	1.0	47.0	-8.6	0.1	38.5	83.8	500.0	-15.5	Ambient
7331.67	V	0.00	1.0	44.9	-8.6	2.2	38.5	84.1	500.0	-15.5	Ambient
8248.17	V	0.00	1.0	45.3	-8.6	2.2	38.9	88.1	500.0	-15.1	Ambient
9165.00	V	0.00	1.0	45.7	-8.6	2.4	39.5	94.5	500.0	-14.5	Ambient