

From: Ethan Zonca

To: Doug Young
Date: May 23, 2016

Subject: Request for Info - File #0361-EX-PL-2016

Message:

a) The radiating antenna of the GPSRKL1 GPS repeater will be mounted on the inside wall indicated in the submitted documents, and will not be located on the outside wall.

e) The area of potential interference is limited to the inside of the SeaLandAire facilities, specifically the "Tool Room" as labeled in the submitted facilities drawing. Radiation will be well contained in the building as the structure is mostly composed of steel.

f)

Component	Signal Level	Manufacturer	Part Number
GPS Antenna Receive Power	-130 dBm	GPS Source	L1A-PM-NF
GPS Antenna Receive Total Gain	38 dBi		
Roof Antenna Cable (50ft)	-7 dB	GPS Source	C240-50-N
Amplifier/Radiator Assembly	18 dB	GPS Source	GPSRKL1
GPS Transmit Power	-81 dBm EIRP		
Path Loss @ 102ft	-67.1 dBm		
EIRP @ 100ft from bldg	-148.11 dBm/24MHz		

g) The area of potential interference is limited to the "Tool Room" as labeled in the facilities drawing. SeaLandAire employees working in the "Tool Room" will be notified that GPS may be affected within that portion of the facilities.

h) The GPS retransmitter in the SeaLandAire facilities will be solely used for the verification and testing of SeaLandAire prototype systems containing GPS receivers.

i) The external door on the side of the "Tool Room" is the primary point of contact during re-radiator operations. There is a buzzer mounted on the outside-facing side of this door, and staff will be present during all re-radiator operations to halt operation if necessary.