

Exhibit A

I. Description of Application

Walgreen Co. (“Walgreens”) hereby requests modification of its authority to operate its VSAT system, licensed under call signs E880547 pursuant to modified parameters described in this exhibit.

Due to the acquisition of some RiteAid locations, Walgreens is making the following changes to its facilities

A. Addition of a New Model .98 Meter Antenna

Walgreens respectfully requests addition of a new model .98 meter antenna. The 98 cm Prodelin antenna is a well-established Hughes product which has been approved for deployment on many US licensed satellites (SES-MOD-20061020 01873 for Callsign E920495), but which does not comply with §25.209 of the FCC’s Rules. The main lobe for the antennas is slightly wider than the performance mask in §25.209 and as a result the antenna only complies the FCC’s mask from 1.6 degrees onwards.

Prodelin Model Number: 9008668
Diameter: .98M
Number of Units Requested: 1500
Area of Operation: CONUS, PR, AK,
HI, and VI

1. Particulars of Operation:

Frequency (GHz)	Polarization	Emission	T/R Mode	Max EIRP/Carrier	Max EIRP Density	Modulation/Services
11.7-12.2	H, V	12M0G7D	R			PSK, DATA, 10 MSPS
11.7-12.2	H, V	36M0G7D	R			PSK, DATA, 30 MSPS
11.7-12.2	H, V	1M23G7D	R			PSK, DATA, 1024 KSPS
14.0–14.5	H, V	307KG7D	T	44.3	27.3	PSK, DATA, 256 KSPS
14.0–14.5	H, V	1M60G7D	T	44.3	27.3	PSK, DATA, 1024 KSPS

Max Gains: 39.9 dBi at 11.950; 41.3 dBi at 14.250
Max total input power at antenna flange: 2.0 watts
Max aggregate output EIRP for all carriers: 44.3

2. Radiation Hazard Analysis

A radiation hazard analysis was done for a Prodelin 98 cm antenna and 2 Watts of power applied at the flange, using the methodology from OET Bulletin 65. The results of this analysis, which can be seen in Exhibit B, show that the maximum permissible exposure limit (MPE) for protection of the general public of 1 mW/cm^2 is met in the near, transition, and far field as well as in the region between the reflector and the ground.

However, as is typical for all satellite antennas, the value of 1 mW/cm^2 is exceeded in the volume of space between the feed horn and the reflector. This region is not usually accessible to the general public because the units are typically installed on rooftops. As a further protection mechanism, all VSAT terminals are equipped with an automatic shut-off mechanism which disables the transmitter should the receive signal be lost. This mechanism shuts the transmitter off within milliseconds should the receive carrier be blocked.