

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 current 1.2m antenna (Prodelin 1123) being discontinued by the manufacturer, Walgreens is making the following changes to its facilities

A. Addition of a New Model 1.2 meter Antenna

Walgreens respectfully requests addition of a new model 1.2 meter antenna. This antenna complies with Section 25.209 of the Commission’s Rules.

Prodelin Model Number: 1134

Diameter: 1.2M

Number of Units Requested: 7000

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	46.1	29.1	PSK, DATA, 256 KSPS
14.0–14.5	H, V	1M60G7D	T	46.1	29.1	PSK, DATA, 1024 KSPS

Max Gains: 41.5 dBi at 11.950; 43.0 dBi at 14.250

Max total input power at antenna flange: 2.0 watts

Max aggregate output EIRP for all carriers: 46.1

2. Radiation Hazard Analysis

A radiation hazard analysis was done for a Prodelin 120 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/cm² 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/cm² 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.