## **Description of Application**

Lowe's Companies, Inc. ("Lowe's") hereby requests a modification to its VSAT earth station authorization under Call Sign E030039 to allow for wider bandwidth carriers to be transmitted by the VSAT's that have the same EIRP but a lower EIRP density. These changes will allow Lowe's to make better and more effective use of its network.

To this end, Lowe's hereby requests a modification to its earth station license under Call Sign E030039 in the following respects:

- a. Modification of emission codes for Hub antenna and remote antennas;
- b. Administrative correction to remote antennas to reflect changes in model numbers;
- c. Administrative correction of antenna gain for Hub and 2.4 meter remote antennas;
- d. Administrative correction to remote control points for remote antennas; and
- e. Administrative correction to Hub antenna geographic coordinates.

In the Form 312, Schedule B submission of the instant Modification Application, Lowe's provides only the information to be changed in this Modification Application and the additional information necessary to submit the Modification Application in the Commission's online filing system. Lowe's confirms that all information not provided with this Modification Application for any of the listed earth station antenna types is unchanged from the current authorization. To the extent necessary for the Commission to process this application, Lowe's incorporates by

reference this information as it was provided with the relevant underlying license application for each such antenna type.

### Modification of emission codes for Hub antenna and remote antennas

Lowe's requests that all the emission information in Section B of its current authorization under Call Sign E030039 be removed and replaced with the material in Schedule B of the attached Form 312 to allow for the full use of this equipment. This material is summarized in the Tables below.

	Table 1 – Hub Antenna					
Antenna	T/R	Emission Code	EIRP Density (dBW/4kHz)	EIRP (dBW)	Modulation/Services	
Andrew ES56-1	Т	3M00G7D	43.0	71.7	2.5 MSPS, QPSK, BROADCAST CARRIER	
Andrew ES56-1	Т	36M0G7D	43.0	77.0	30.0 MSPS, QPSK, BROADCAST CARRIER	
Andrew ES56-1	R	200KG7D	N/A	N/A	128 KBPS, QPSK, RETURN CARRIER	
Andrew ES56-1	R	1M60G7D	N/A	N/A	256 KBPS, QPSK, RETURN CARRIER	

Table 2 – 1.2 Meter Remote Antennas					
Antenna	T/R	Emission Code	EIRP Density (dBW/4kHz)	EIRP (dBW)	Modulation/Services
Prodelin HNS- AN-120P-KU	Т	200KG7D	29.1	46.1	128 KBPS, QPSK, RETURN CARRIER
Prodelin HNS- AN-120P-KU	Т	1M60G7D	29.1	46.1	256 KBPS, QPSK, RETURN CARRIER
Prodelin HNS- AN-120P-KU	R	3M00G7D	N/A	N/A	2.5 MSPS, QPSK, BROADCAST CARRIER
Prodelin HNS- AN-120P-KU	R	36M0G7D	N/A	N/A	30.0 MSPS, QPSK, BROADCAST CARRIER

Table 3 – 1.8 Meter Remote Antennas					
Antenna	T/R	Emission Code	EIRP Density (dBW/4kHz)	EIRP (dBW)	Modulation/Services
Prodelin HNS- AN-180P-KU	Т	200KG7D	32.7	49.7	128 KBPS, QPSK, RETURN CARRIER
Prodelin HNS- AN-180P-KU	Т	1M60G7D	32.7	49.7	256 KBPS, QPSK, RETURN CARRIER
Prodelin HNS- AN-180P-KU	R	3M00G7D	N/A	N/A	2.5 MSPS, QPSK, BROADCAST CARRIER
Prodelin HNS- AN-180P-KU	R	36M0G7D	N/A	N/A	30.0 MSPS, QPSK, BROADCAST CARRIER

Table 4 – 2.4 Meter Remote Antennas					
Antenna	T/R	Emission Code	EIRP Density (dBW/4kHz)	EIRP (dBW)	Modulation/Services
Prodelin HNS- AN-240P-KU	Т	200KG7D	35.2	52.2	128 KBPS, QPSK, RETURN CARRIER
Prodelin HNS- AN-240P-KU	Т	1M60G7D	35.2	52.2	256 KBPS, QPSK, RETURN CARRIER
Prodelin HNS- AN-240P-KU	R	3M00G7D	N/A	N/A	2.5 MSPS, QPSK, BROADCAST CARRIER
Prodelin HNS- AN-240P-KU	R	36M0G7D	N/A	N/A	30.0 MSPS, QPSK, BROADCAST CARRIER

# Administrative correction to remote antennas to reflect changes in model numbers

Lowe's hereby requests an administrative correction to its earth station license in Call Sign E030039 to correct the model numbers to the remote earth station antennas it is authorized to deploy. Lowe's emphasizes that these are the same antennas now authorized from Prodelin; the new model numbers are vendor product codes for the antennas.

The following table shows the existing antenna (by site identifier in the license and antenna diameter), the current model name from the license, and the new vendor model name for that antenna.

Site Identifier	Antenna Diameter (meters)	Current Model Name	New Model Name
TR 1.2M	1.2	1134	HNS-AN-120P-KU
TR 1.8M	1.8	1184	HNS-AN-180P-KU
TR 2.4M	2.4	1244	HNS-AN-240P-KU

Lowe's requests that the Commission include the new model names for the respective earth terminal types in Section E of the license for Call Sign E030039. The model names listed in the table above should, as appropriate, replace the existing model names. Lowe's emphasizes that there are no changes to the site identifiers on the license.

### Administrative correction of antenna gains for Hub and 2.4 meter remote antennas

Lowe's hereby requests an administrative correction to its earth station license in Call Sign E030039 to adjust the antenna gain performance for both the Hub antenna and for the 2.4 meter antennas. The administrative corrections reflect the antenna gains at centers of the bands in lieu of the antenna gains at the edges of the bands as provided in the current authorization. No physical or technical changes to the antennas are requested; the corrections reflect the values at the middle of the bands and are more representative of the actual gain patterns. The Hub antenna

and the 2.4 meter Prodelin Model HNS-AN-240P-KU remote antennas shall remain fully compliant with §25.209 of the FCC's Rules.

#### Administrative correction to remote control points for remote antennas

Lowe's requests that the remote control points for the remote antennas authorized under Call Sign E030039 be corrected to reflect the current Hub antenna address at 1000 Lowe's Boulevard, Mooresville, North Carolina.

## Administrative correction to Hub antenna geographic coordinates

An examination of the license revealed that the geographic coordinates for the Hub antenna were incorrectly listed on the license. The geographic coordinates are corrected in the Schedule B of the attached Form 312.