



MAINSTREAM DATA

Received & Inspected

SEP. 28 2016

FCC Mail Room

September 22, 2016

Federal Communications Commission
International Bureau
P. Michele Ellison, Acting Bureau Chief
445 12th Street SW
Washington, DC 20554

RE: Current List of Earth Station Operating Parameters

Name of Licensee: Mainstream Data, Incorporated
File Number(s):
SES-MOD-20090522-00648
Call Sign: E920589

Dear Ms. P. Michele Ellison,

The following is a current list of full time operating parameters for this facility:

Remote Earth Stations:

Antenna ID REM 1.0
Spacecraft: AMC-15 (Echostar - @ 105 degrees West Longitude)
Operating Area: CONUS
Modulation: 400KG7D
Polarization: Horizontal
Operating Frequencies:
14.419000 GHz
14.419400 GHz
14.419800 GHz
14.420200 GHz
14.420600 GHz
14.421000 GHz
14.421400 GHz
14.421800 GHz
EIRP: <44.9 dBW
EIRP Density: <24.9 dBW/4kHz
Remote Control Point: 1HUB

Antenna ID REM 1.2
Spacecraft: AMC-15 (Echostar - @ 105 degrees West Longitude)
Operating Area: CONUS, AK, PR, VI
Modulation: 400KG7D
Polarization: Horizontal
Operating Frequencies:
14.419000 GHz
14.419400 GHz
14.419800 GHz
14.420200 GHz
14.420600 GHz
14.421000 GHz
14.421400 GHz
14.421800 GHz
EIRP: <46.4 dBW
EIRP Density: <26.4 dBW/4kHz
Remote Control Point: 1HUB

Antenna ID REM 1.8
Spacecraft: AMC-15 (Echostar - @ 105 degrees West Longitude)
Operating Area: CONUS, AK, HI, PR, VI
Modulation: 400KG7D
Polarization: Horizontal
Operating Frequencies:
14.419000 GHz
14.419400 GHz
14.419800 GHz
14.420200 GHz
14.420600 GHz
14.421000 GHz
14.421400 GHz
14.421800 GHz
EIRP: <50.0 dBW
EIRP Density: <30.0 dBW/4kHz
Remote Control Point: 1HUB

1HUB Earthstations:

Antenna ID 4
Spacecraft: AMC15 (Echostar @ 105 degrees West longitude)
Polarization: Horizontal
Gain: 58.5 dBi
Modulation: 2M00G7W QPSK DVB/MPE Encapsulated IP Data
Frequency: 14.430100 GHz
EIRP: 65.1 dBW
EIRP Density: 36.8 dBW/4kHz
Receive Points: CONUS, AK, HI, PR, VI

Regards,

A handwritten signature in black ink, reading "Mitchell J. Rasmussen". The signature is written in a cursive style with a large initial 'M' and a long, sweeping underline.

Mitchell J. Rasmussen
Chief Financial Officer
Mainstream Data, Incorporated