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TECHNICAL CHARACTERISTICS OF RECEIVE ONLY EARTH STATION

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Company: CBS COMMUNICATIONS SERVICES

Site Name, State: Colorado, CO

Call Sign: E130017

Latitude (NAD83) 39 43 53.0 N

Longitude (NAD83) 105 14 1.0 W

Elevation AMSL (ft/m) 7224.40 2202.00

Receive Frequency Range (MHz) 3700.00 4200.00

Transmit Frequency Range (MHz)

Range of Satellite Orbital Long. (deg W) 74 139

Range of Azimuths from North (deg) 136.51 226.29

Antenna Centerline (ft/m) 9.02 2.75

Antenna Elevation Angles (deg) 33.92 32.42

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Equipment Parameters 3.95 GHz

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Antenna Gain, Main Beam (dbI) 44.00

15 DB Half Beamwidth (deg) 1.20

Antennas Receive: COMMSCOPE ESA45

Max Transmitter Power (dbW/4KHz)

Max EIRP Main Beam (dbW/4KHz)

Modulation / Emission Designator Digital 36M0G7W

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Coordination Parameters 3.95 GHz

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Max Greater Circle Distances (km) 290.72

Max Rain Scatter Distances (km) 395.24

Max Interference Power Long Term (dbW) -140.60

Max Interference Power Short Term (dbW) -118.40

Rain Zone / Radio Zone 2 A

