



SD Technical Specifications

Satellite: Galaxy 13 at 127° West

Transponder: 22

Uplink Frequency: 6365 MHz

Downlink Frequency: 4140 MHz

Downlink Polarization: Horizontal

L-Band Frequency: 1010 MHz

Modulation: DVB-S2, 8PSK

NET ID: 1322

Symbol Rate: 30 Mbps

FEC: 5/6

SD Encoding: MPEG-2

Video PID: 200

Audio Encoding:

Audio1 = PID 201

Audio2 = PID 202, DTMF Commercial

Insertion

Acceptable Receiver Models

Cisco (Synamedia) D9800:

- Tuning of one source channel on a single DVB-S2 8PSK PowerVu satellite multiplex.
- The source channel may be SD or HD, and encoded as MPEG2, AVC or HEVC.
- The source channel is decoded to SDI and/or HD-SDI, as well as analog composite video.
- The decode function supports decode of (2) Dolby or MPEG1L2 audio PIDs, to be inserted as PCM into the SDI/HD-SDI outputs, AES outputs and as balanced audio pairs.
- The decode function also supports a cue-tone generator output for supporting legacy ad-insertion equipment.
- The source channel is also transcoded to MPEG2 SD and MPEG2 HD format with the outputs available on ASI and MPEGOIP (GbE) transport interfaces.

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