



HD Technical Specifications

Satellite: Galaxy 23 at 121° West
Transponder: 19C
Downlink Polarization: Horizontal
Downlink L-Band Frequency: 1070 MHz
VCT #: 938
Modulation: DVB-S2, 8PSK
Symbol Rate: 30.000000 Msps
FEC: 5/6 Combined

Feed Encryption: DigiCipher II
HD Encoding: MPEG-4 **Virtual Channel:** 305 **Audio Encoding:**
Pair 1: AC-3: Dolby Digital 2-0 (Stereo)
Pair 2: AC-3: Dolby Digital 2-0 (Stereo)

Acceptable Receiver Models

Motorola DSR-4410MD – MPEG 4 output

- Multi-Service Decryptor to ASI & Gig-E output (up to 64 services)
- DVB-S2 8PSK, and DCII QPSK demodulation

Motorola DSR 4460 – MPEG 4 & SDI outputs

- Single-Service MPEG-2/4 HD/SD Decoder to Analog Composite video out
- Same feature set as DSR-4440, plus HD/SD-SDI Digital Video Output

Motorola DSR-6050 – MPEG 2 output

- Single-Service MPEG-4 HD Transcode to MPEG-2 HD ASI & Gig-E out
- DVB-S2 8PSK and DCII QPSK demodulation

Motorola DSR-6401 – MPEG 2 output (single channel)

- Single-decrypt transcoding with one transcoded MPEG 2 program stream
- ASI and Gig-E out
- Includes both HD and downconverted SD MPEG 2 encoded services for one channel

Motorola DSR-6402 – MPEG 2 out (dual channel)

- Dual-decrypt transcoding with one transcoded MPEG 2 program stream
- ASI and Gig-E out
- Includes both HD and downconverted SD MPEG 2 encoded services for two channels

Technical Support: natalie@rfdtv.com or 615-296-9765