**SES 1Transponder 9**

**Technical Parameters**

|  |  |
| --- | --- |
| **Satellite:** | **SES1** |
|  |  |
| **Orbital Location:** | **101 Degrees West** |
|  |  |
| **Downlink:** | **3880.00 MHz** |
| **L-band Frequency:** | **1270.00 MHz** |
| **Transponder:** | **9** |
|  |  |
| **Transponder Downlink Polarization:** | **Vertical** |
|  |  |
| **Symbol Rate:** | **30.0000 Msps** |
|  |  |
| **FEC:** | **Auto (5/6)** |
|  |  |
| **Variable Bit Rate Range (all services):** | **2 Mbps – 17 Mbps** |
|  |  |
| **IRD Type:** | **Cisco PowerVu Model D9859/D9858/D9854/D9824/D9800** |
|  | **Addressable/Encrypted** |
|  |  |
| **HD Compression:**  **SD Compression:**  **HD to SD Downconversion - (CVBS/Transcoded Output):** | **MPEG-4/DVB-S2 8PSK Compliant**  **MPEG-2/DVB-S2 8PSK Compliant**  **A/R Conversion: 4:3 Auto AFD** |
|  |  |
| **Program Video & Audio** | **Refer to table below (on page 2)** |
|  |  |
| **Network ID:** | **8404** |
| **Cue Triggers:** | **Yes, SCTE 35, DTMF** |
|  |  |
| **Pre-roll:** | **8 seconds** |
|  |  |
| **Local Avail ON:** | **Yes** |
| **AUTHORIZATION & TECHNICAL ASSISTANCE** | |
| **NBCU Distribution Support** | **201-735-3700** |
|  |  |

**SES 1 Transponder 9**

**Technical Parameters**

(Cont’d)

**Virtual Channel Assignments**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Alt SD** | |  | **USA East HD** | | |  | **SyFy East** | | | |  | | **Bravo East** | | |
| **Virtual Channel**  **39** | |  | **Virtual Channel**  **40** | | |  | **Virtual Channel**  **41** | | | |  | | **Virtual Channel**  **42** | | |
| **PID** | **Value** |  | **PID** | **Value** | |  | **PID** | | **Value** | |  | | **PID** | | **Value** |
| Video | 390 |  | Video | 400 | |  | Video | | 410 | |  | | Video | | 420 |
| Audio 1 | 391 |  | Audio 1 | 401 | |  | Audio 1 | | 411 | |  | | Audio 1 | | 421 |
| Audio 2 | 392 |  | Audio 2 | 402 | |  | Audio 2 | | 412 | |  | | Audio 2 | | 422 |
| DPI | 395 |  | DPI | 405 | |  | DPI | | 415 | |  | | DPI | | 425 |
| DTMF Start  DTMF End | 121\*  121# |  | DTMF Start  DTMF End | 121\*  121# | |  | DTMF Start  DTMF End | | 121\*  121# | |  | | DTMF Start  DTMF End | | 121\*  121# |
| **Oxygen East** | |  | **Oxygen West** | | |  | **Olympic Channel** | | | |  | | **Universo East** | | |
| **Virtual Channel**  **43** | |  | **Virtual Channel**  **44** | | |  | **Virtual Channel**  **45** | | | |  | | **Virtual Channel**  **46** | | |
| **PID** | **Value** |  | **PID** | **Value** | |  | **PID** | | **Value** | |  | | **PID** | | **Value** |
| Video | 430 |  | Video | 440 | |  | Video | | 450 | |  | | Video | | 460 |
| Audio 1 | 431 |  | Audio 1 | 441 | |  | Audio 1 | | 451 | |  | | Audio 1 | | 461 |
| Audio 2 | 432 |  | Audio 2 | 442 | |  | Audio 2 | | 452 | |  | | Audio 2 | | 462 |
| DPI | 435 |  | DPI | 445 | |  | DPI | | 455 | |  | | DPI | | 465 |
| DTMF Start  DTMF End | 121\*  121# |  | DTMF Start  DTMF End | 121\*  121# | |  | DTMF Start  DTMF End | | 121\*  121# | |  | | DTMF Start  DTMF End | | 121\*  121# |
| **Universo West** | |  | **Alt HD** | | |  | **USA East SD** | | | |  | | **Telemundo East SD** | | |
| **Virtual Channel**  **47** | |  | **Virtual Channel**  **48** | |  | **Virtual Channel**  **49** | | | |  | | **Virtual Channel**  **66** | | | |
| **PID** | **Value** |  | **PID** | **Value** |  | **PID** | | **Value** | |  | | **PID** | | **Value** | |
| Video | 470 |  | Video | 480 |  | Video | | 490 | |  | | Video | | 660 | |
| Audio 1 | 471 |  | Audio 1 | 481 |  | Audio 1 | | 491 | |  | | Audio 1 | | 661 | |
| Audio 2 | 472 |  | Audio 2 | 482 |  | Audio 2 | | 492 | |  | | Audio 2 | | 662 | |
| DPI | 475 |  | DPI | 485 |  | DPI | | 495 | |  | | DPI | | 665 | |
| DTMF Start  DTMF End | 121\*  121# |  | DTMF Start  DTMF End | 121\*  121# |  | DTMF Start  DTMF End | | 121\*  121# | |  | | DTMF Start  DTMF End | | 121\*  121# | |