**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 StartDTMF End | 121\*121# |  | DTMF StartDTMF End | 121\*121# |  | DTMF StartDTMF End | 121\*121# |  | DTMF StartDTMF 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 StartDTMF End | 121\*121# |  | DTMF StartDTMF End | 121\*121# |  | DTMF StartDTMF End | 121\*121# |  | DTMF StartDTMF 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 StartDTMF End | 121\*121# |  | DTMF StartDTMF End | 121\*121# |  | DTMF StartDTMF End | 121\*121# |  | DTMF StartDTMF End | 121\*121# |