

## **UP-LİNK**

### **S1500 MOTOR KONTROLLÜ;**

- Karbon Fiber tam otomatik anten çap: 1.5 mt.
- TX:13,75-14,50 GHz, RX:10,70-12,75GHz
- KU band

### **AKS-200 ANTEN KONTROL ÜNİTESİ**

- Manüel ve otomatik ayarlı
- GPS ve pusulalı,

### **L-Band Modülatör Yedekleme ünitesi**

- SWC-100 L-Band Modülatör Yedekleme Ünitesi
- 2x1/2 Combiner /Splitterler

### **HPA Kontrol**

- UHC-402 Outdoor
- HPA Kontrol ve Yedekleme Ünitesi

### **YEDEKLİ HPA SİSTEMİ**

- MCL MT 3400- 400 WAT TWTA - 1
- BUC (Block Upconverter) özellikli
- Outdoor HPA
- 13.75-14.5 ghz frequency range,
- L – Band input.

- MCL MT 3400- 400 WAT TWTA - 2
- BUC (Block Upconverter) özellikli
- Outdoor HPA
- 13.75-14.5 ghz frequency range,
- L – Band input.

### **Grass Walley EM 3100 HD/SD MPEG2,MPEG4 Encoder 1**

- MPEG-4-AVC 4:2:2 and 4:2:0 encoding/
- MPEG-2 4:2:2 and 4:2:0 encoding
- Very low end-to-end encoding/

- decoding latency (between 350 and 850 ms)
- 15s boot time for fast on-air
- Embedded and AES/EBU audio inputs
- Uncompressed linear audio support
- AC-3 and Dolby E pass-through
- ASI
- Closed caption transport
- SD/HD auto sensing input with
- redundancy management
- Constant bit rate for contribution
- quality at up to 80 Mb/s
- Control via front panel and Web
- interface
- System integration for redundancy
- BISS scrambling

## **NEWTECH AZ 110L – L Band Modulator.**

### **Modulation**

- DVB-S/DSNG:
- Outer/Inner FEC: Reed Solomon / Viterbi
- MODCODs:
- QPSK: 1/2, 2/3, 3/4, 5/6, 7/8
- 8PSK: 2/3, 5/6, 8/9
- 16QAM: 3/4, 7/8
- DVB-S2:
- Outer/Inner FEC: BCH/ LDPC
- MODCODS:
- QPSK: 1/4, 1/3, 2/5, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
- 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10
- 16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
- 32APSK: 3/4, 4/5, 5/6, 8/9, 9/10
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### **Baud rate range**

- DVB-S2 0,05 – 45 Mbaud
- DVB-S/DSNG 0,05 – 45 Mbaud

### **Frame length**

- DVB-S/DSNG 188 bytes
- DVB-S2 Short Frames 16200 bits

- DVB-S2 Normal Frames 64800 bits

### **Roll-off factor**

- 20 % - 25% -35%

### **Clean Channel Technology™**

- Roll-Off: 5%-10%-15%-20%-25%-35%
- Optimum carrier spacing
- Advanced filter technology

### **L-band output**

- Connector SMA (F), 50 ohms
- N(F), 50 ohms ( with option: AA-12 and AA-13)
- Return loss > 14 dB
- Level -35/+5 dBm (+/- 2 dB)
- Frequency 950 - 1750 MHz (50 Hz steps)
- spurious: better than -65 dBc/4 kHz @
- +5dBm level and > 256 kbaud

## **ATEMA CM 5000 HD/SD MPEG2,MPEG4 Encoder 2**

- SD/HD MPEG-4 AVC 4:2:0 8-bit / 4:2:2 8/10-bit support
- SD/HD MPEG-2 4:2:0 / 4:2:2 8-bit
- Confidence input monitoring
- Very low latency mode
- AVC – I frame only mode up to 110 Mbps
- FEC Pro MPEG and BISS - 0/1/E support

### **Output Interfaces**

- 1 GbE port for out-of-band for management
- 2 GbE ports for service streaming
- 2 DVB-ASI outputs per Video Channel (75 Ohm BNC connector)
- L-Band RF output (950-2150MHz)

#### **DVB-S (EN 300421)**

- Constellation QPSK, Code rate 1/2, 2/3, 3/4, 5/6, 7/8, Roll-off 0.35

#### **DVB-S2 (EN 302307)**

- Constellation QPSK, 8PSK, 16APSK, 32APSK
- Short Frames, Long Frames, Roll-off 0.20, 0.25, 0.35
- Pilots ON, OFF, Symbol rate up 45 Mbps

## **Spectrum Analyzer**

- Avcom

## **DOWNLINK SISTEMI**

- Ericson RX 8200 HD/SD IRD - 1
- MPEG-4-AVC 4:2:2 and 4:2:0
- MPEG-2 4:2:2 and 4:2:0
- BISS
  
- Ericson RX TT 1260 SD IRD - 2
- MPEG-2 4:2:2 and 4:2:0
- BISS