

## **HD Technical Specifications**

**Satellite: Galaxy 16 at 99 degrees West**

**Transponder: 16 Polarity Vertical**

**L-Band Frequency 1130 MHZ**

**Downlink Frequency 4020 MHZ**

**Modulation: DVB-S2, QPSK**

**Symbol Rate: 15.00 MSys**

**FEC:  $\frac{3}{4}$  PCR 100 VPID 100 APID 110**

**Virtual Channel 1**

**Feed Encryption: FTA Free To Air**

**HD Encoding MPEG-4**

**Audio Encoding AC-3: Dolby Digital 2-0 Stereo**

Good news Shepherd's Chapel viewers we are upgrading to High Definition starting in July. All viewers will notice an increase in signal clarity during and after this transition to all digital. Home satellite viewers will be able to simply exchange their exiting set top box for an inexpensive FTA Digital Set Top Box please check with your local satellite dealer. We realize that there is a cost involved in this upgrade to HD digital but it also lets us combine three different channels you will be able to receive, a High Definition (HD) channel, a Standard Definition (SD) channel, both containing our regular programming and a HD channel of just specials and documentaries that Pastor Arnold Murray and Pastor Dennis Murray have done. Satellite viewers should be able to auto scan with the new receivers and there Shepherd's Chapel will be with 3 channels. The specific HD and SD Technical Specification will be listed in next month's newsletter and on our web site just as soon as all the new equipment and testing are complete.