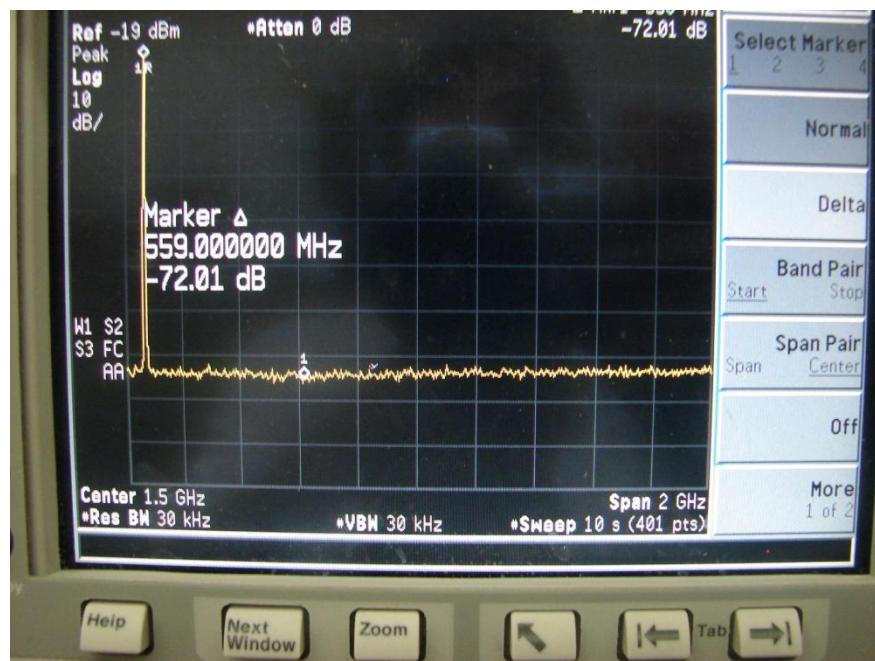




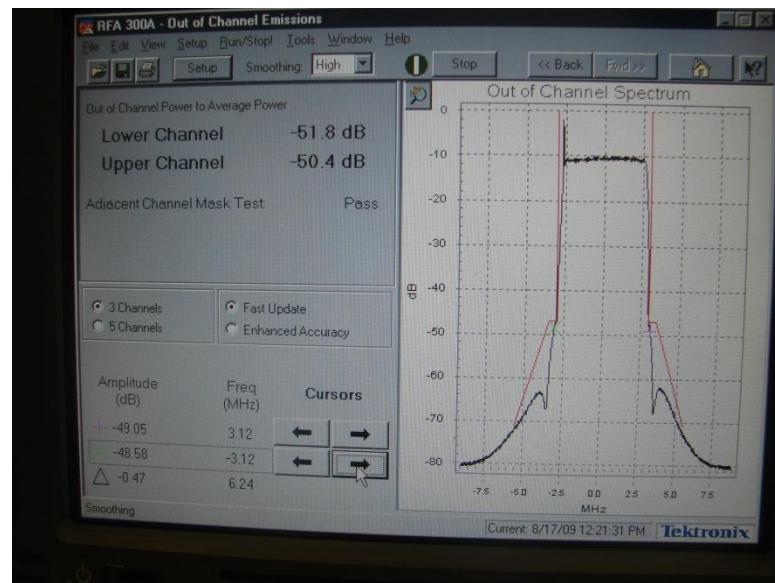
Measurements on
120 Watt ATSC
Digital TV Transmitter
model AT7120



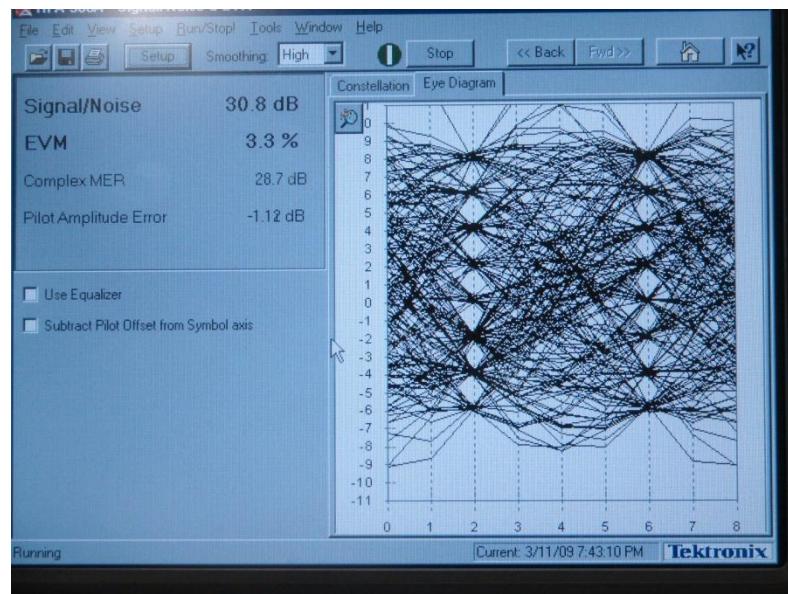
RMS Power Reading at the output of the Unit



Spurious and Harmonics at the output of the Unit



Out of the channel Emissions – 3 channels



Signal-to-noise Measurement

Ref. CH44

Temperature [°C]	Frequency [Hz]	Offset [Hz]
-5	671,834,041	125
0	671,834,045	129
+20	671,833,930	14
+30	671,833,919	3
+40	671,833,916	0
+50	671,833,912	-4

Frequency Stability versus Temperature

Line Voltage [Vac]	Frequency [Hz]	Offset [Hz]
171	671,833,215	-1
208	671,833,215	-1
245	671,833,215	-1

Frequency Stability versus line voltage

Test Equipment

Model	Manufacturer	Description	Serial #
E4402B	Agilent	Spectrum Analyzer	US40241297
E4418B	Agilent	Power Meter	US38470909
RFA300A	Tektronix	8VSB Measurement	B020427