



Model#: EMLT-1550-ER-9-2

Description:

Date: 2/2/09

Transmitter S/N: 8030006

Test by: Brandon To

1. Output Power Measurement			
Tx 1 Only Output Power (dBm):	9.05	Stability (+/-dB):	0.05
Tx 2 Only Output Power (dBm):	9.94	Stability (+/-dB):	0.05

Frequency Channels 77 Analog NTSC

Receiver input level: 0 dBm Frequency Tested: 325.25MHz (#48) OMI Value: 2.0%

2. RF Input Power vs. CTB Measurement					
Matrix Gen. Attenuation (dB)	RF Input Level (dBmV)	CW Carrier Level (dBmV)	Distortion Level (dBmV)	Calculated CTB	Port
28.0	11.63	27.78	-37.80	65.58	A
28.0	11.63	27.94	-37.22	65.16	B

3. RF Input Power vs. CSO Measurement						
Matrix Gen. Attenuation (dB)	RF Input Level (dBmV)	CW Carrier Level (dBmV)	Distortion Level (dBmV)		Calculated CSO	Port
28.0	11.63	27.78	-43.72	-43.22	71.25	A
28.0	11.63	27.94	-38.82	-40.04	67.37	B

4. CNR Measurement @ Ch#48, OMI @						
CNR Measured with 100KHz RBW (dB)	Noise Floor Difference (dB)	C. F. For Noise Floor (dB)	Test System C.F. (dB)	Conversion from 100KHz to 4MHz (dB)	Finalized CNR	Port
66.2	15.4	0.1	0.5	16.0	50.79	A
66.6	15.5	0.1	0.5	16.0	51.24	B

5. Wavelength Measurement	
Laser Wavelength (nm):	1558.769

Transmitter Setting: SBS Setting 18.5 dBm  
 RF Modulation Mode AGC, -1.5dB OMI

Test Instruments Used: Frequency Generator Matrix ASX-16C  
 Spectrum Analyzer HP 8595E  
 Optical Attenuator JDSU HA9  
 Optical Power Meter Newport 2832-C  
 Detector Type 818-IS  
 Receiver RF Optics FOS 860A  
 Wavelength Meter HP 86120B

Notes: