OBJECTIVE TESTS

Digideck System

National Data Broadcasting Committee

3.1.1 Objective Test Results

The objective measurements reported in this section were obtained using a Tektronix VM-700 Video Measurement Set, fed from a Tektronix 1450 precision NTSC demodulator. The objective tests were inadvertently conducted at power levels 11dB lower than those specified in the Test Plan (i.e., Strong level was -26 dBm rather than -15 dBm; Weak level was -66 dBm rather than -55dBm). It was not possible to obtain meaningful data for all tests at the Weak level, due to operation too close to the noise floor of the Tek 1450 demodulator which was used for all tests. Therefore, only results obtained at the Strong level are included in this report.

On each page, the results are presented in the following order: NTSC + (Data broadcasting signal OFF), NTSC Reference, and NTSC + (Data broadcasting signal ON). All measurements were taken on Line 130 (middle of the active field). Each result is identified by the date and time (in 24 hour HH:MM:SS notation) at which it was obtained. The plots have been annotated by ATTC as necessary to explain procedural details.

Unweighted Signal to Noise Ratio = 52.7 dB
Data OFF 13:58:26

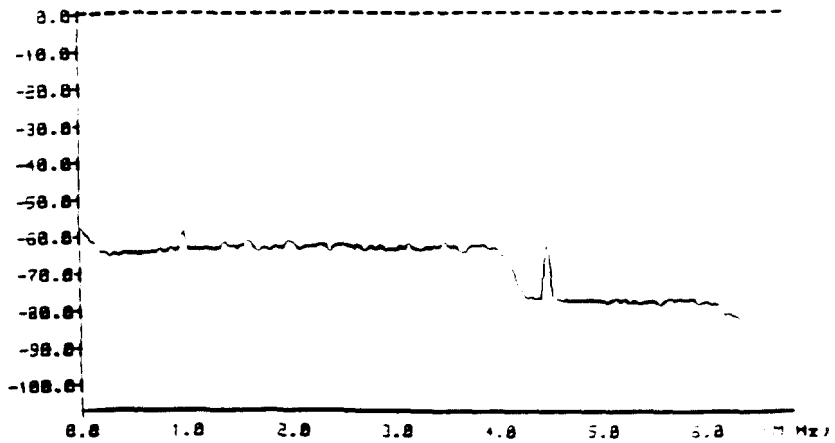
Unweighted Signal to Noise Ratio = 54.5 dB
REFERENCE 13:51:18

Unweighted Signal to Noise Ratio = 46.2 dB
Data ON 14:04:37

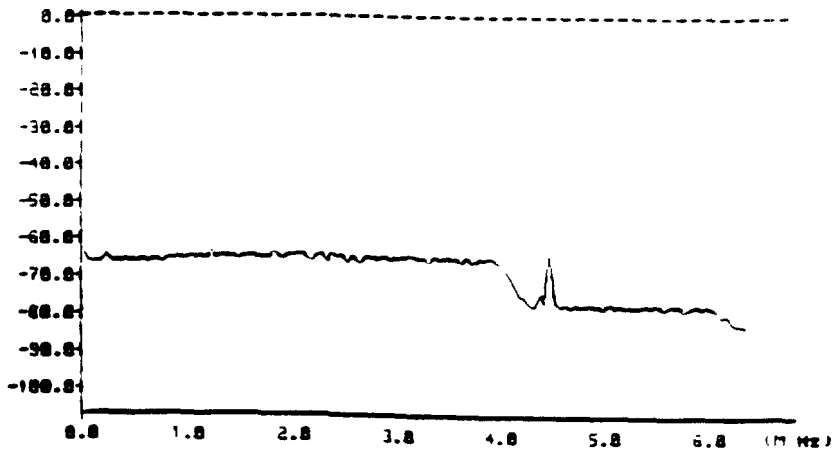
Digideck 3.1.1 Objective Test Results 14-Dec-94

Strong Power Level -26 dBm

Unweighted Signal to Noise Ratio

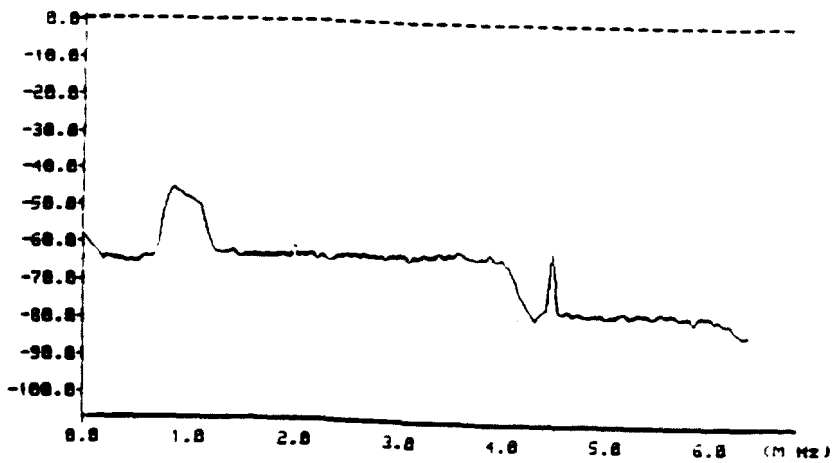


Data OFF 13:58:45



REFERENCE 13:51:36

Exciter: Harris Corp. Demodulator Tektronix 1450. Input to Demodulator -26 dBm. Noise floor of test setup and video bandwidth of Exciter and Demodulator shown.

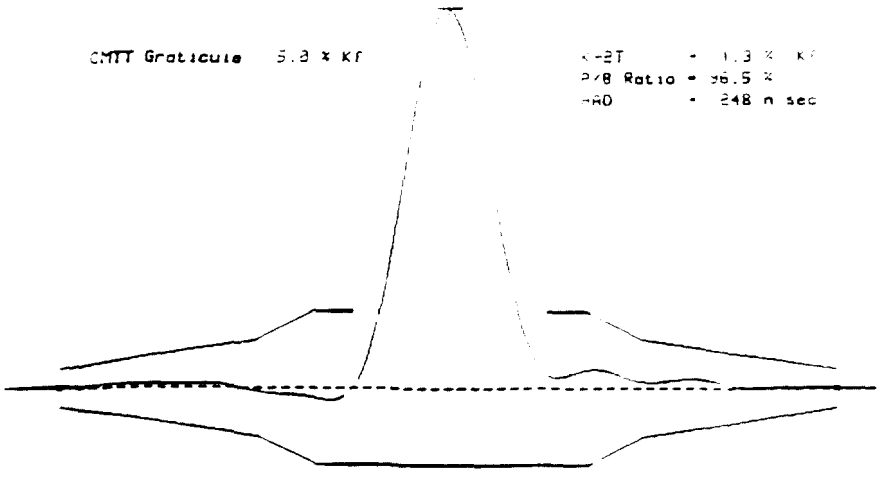


Data ON 14:04:56

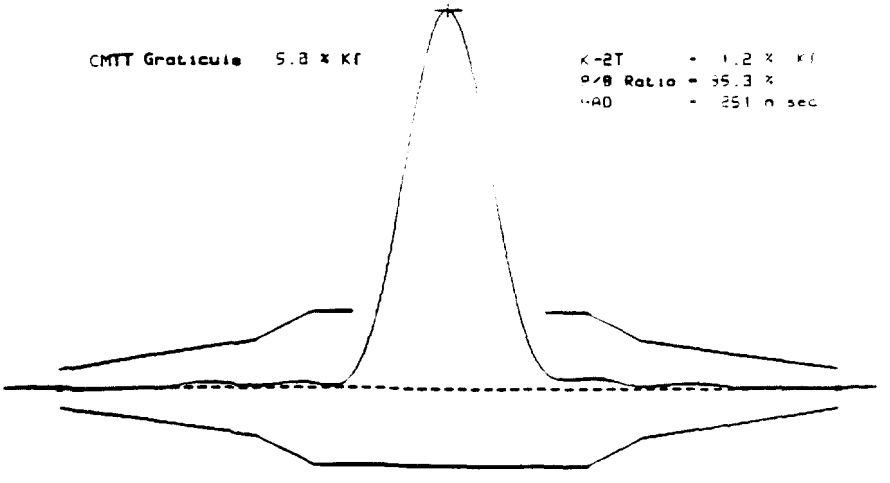
Digideck 3.1.1 Objective Test Results 14-Dec-94

Strong Power Level -26 dBm

Noise Spectrum

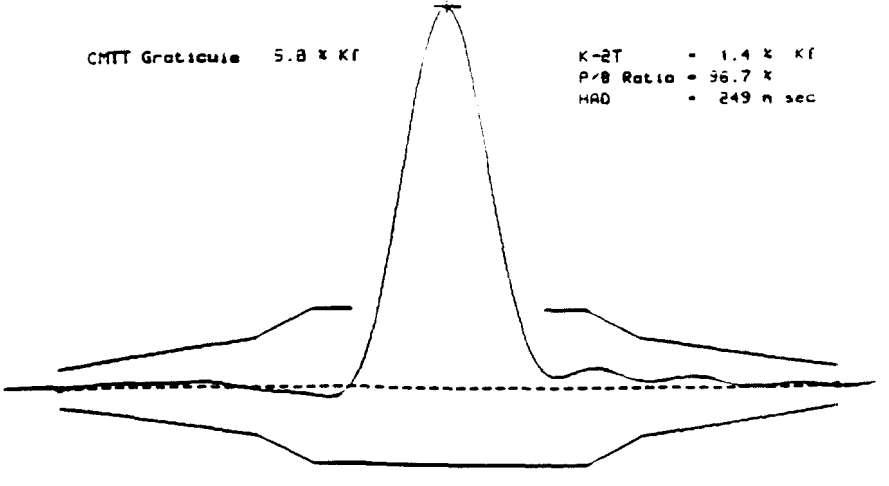


Data OFF 13:59:29



REFERENCE 13:52:16

Tek 700 normalizes gain so that peak of 2T pulse matches graticule. The first zero in the spectrum of 250 µs HAD Sin² pulse is 4.0 MHz.

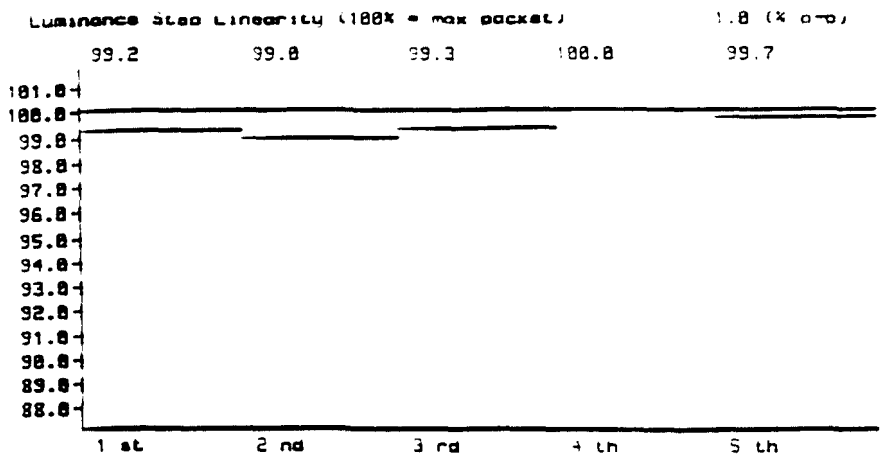


Data ON 14:06:32

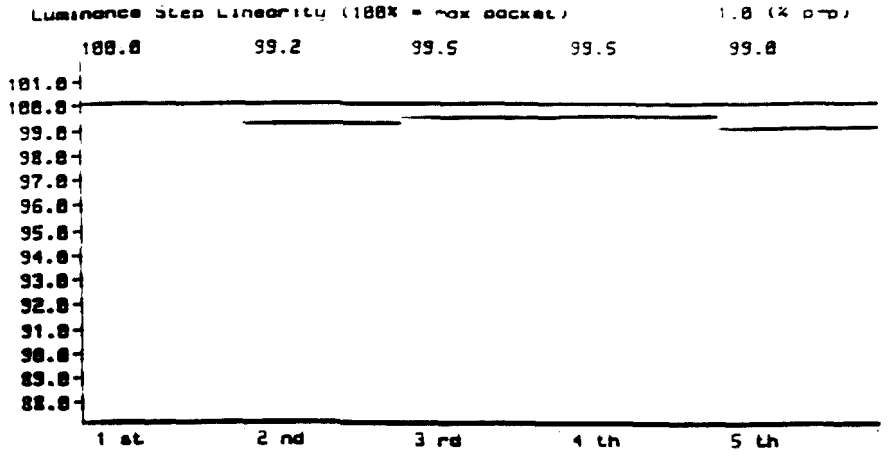
Digideck 3.1.1 Objective Test Results 14-Dec-94

Strong Power Level -26 dBm

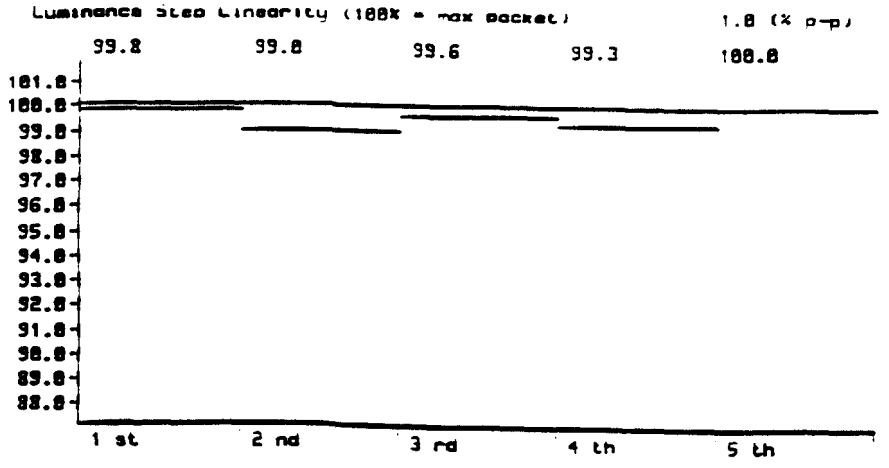
Pulse-to-Bar Ratio and 2T K Factor Measurement



Data OFF 13:59:42



REFERENCE 13:52:29

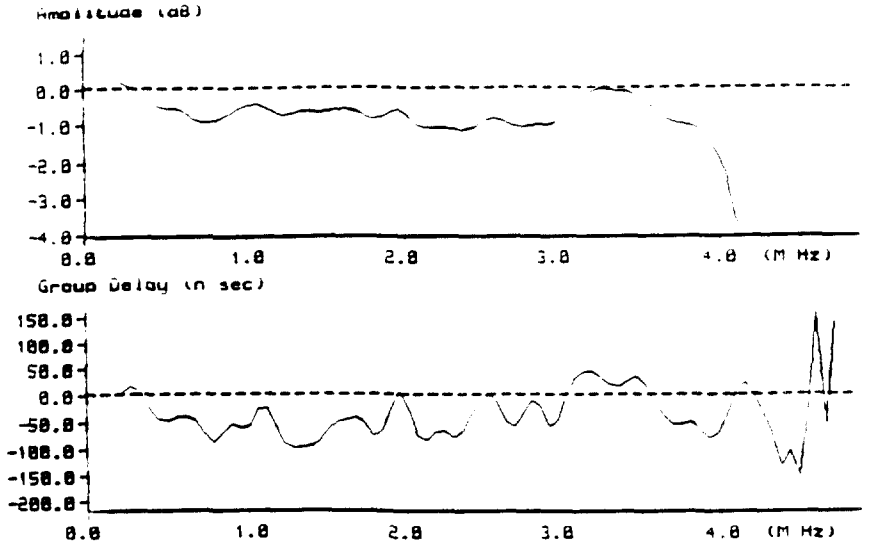


Data ON 14:06:45

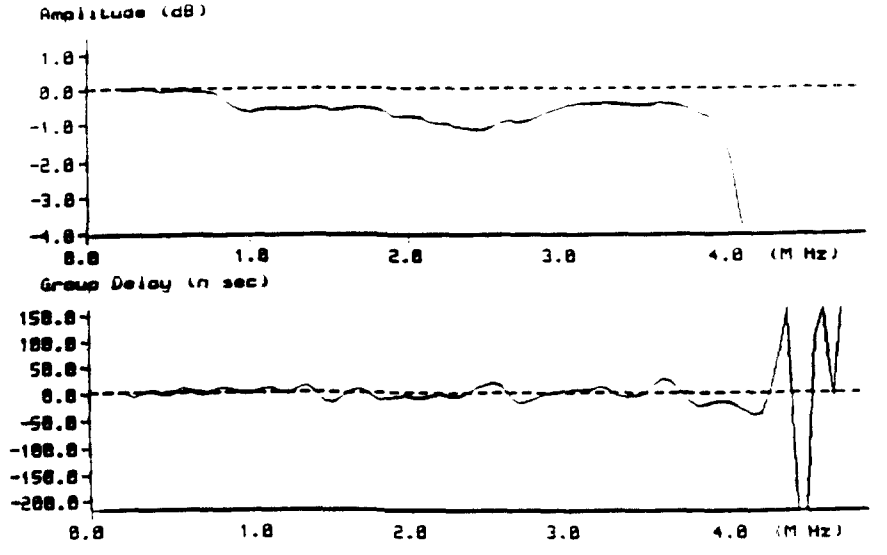
Digideck **3.1.1 Objective Test Results** 14-Dec-94

Strong Power Level -26 dBm

Luminance Non Linearity Measurement

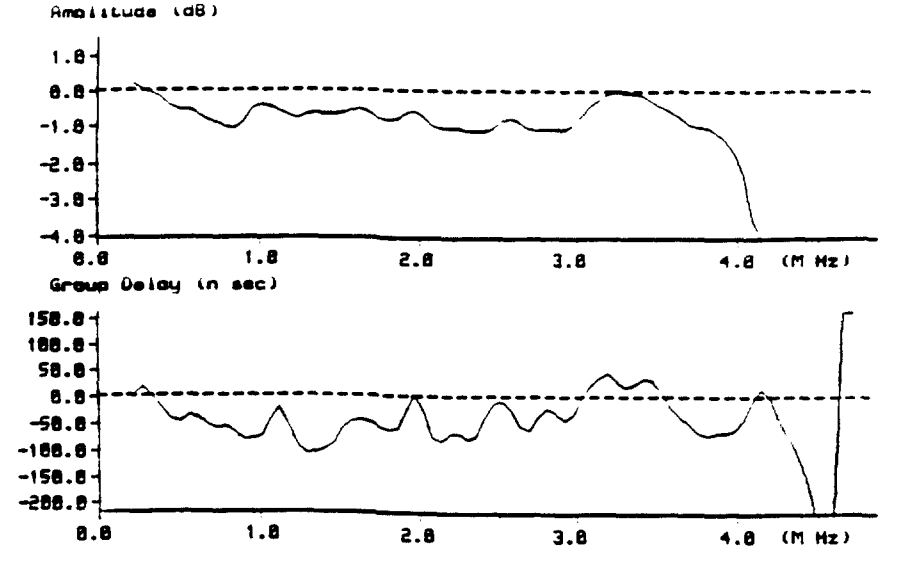


Data OFF 14:01:44



REFERENCE 13:55:48

Video bandwidth is limited by the Exciter and Demodulator as shown. Group delay at frequencies above video passband is due to the filters in Exciter and Demodulator. REFERENCE exciter: Harris Corp., Demodulator: Tektronix 1450.

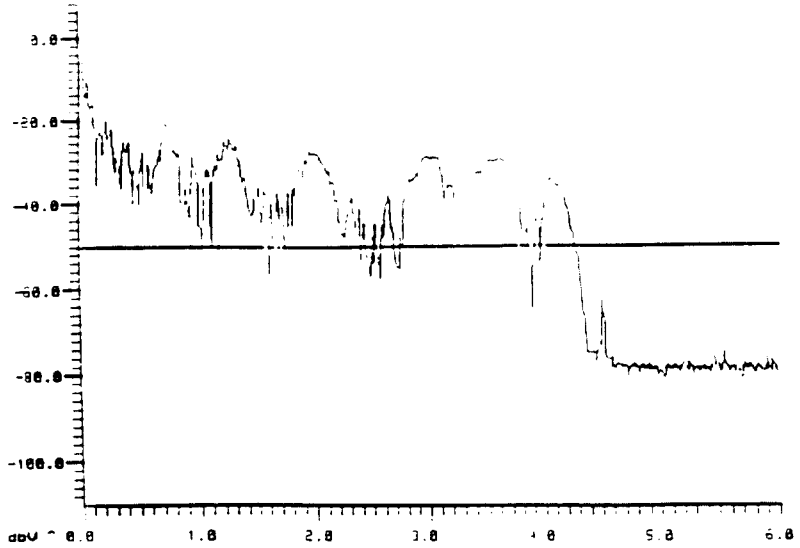


Data ON 14:07:50

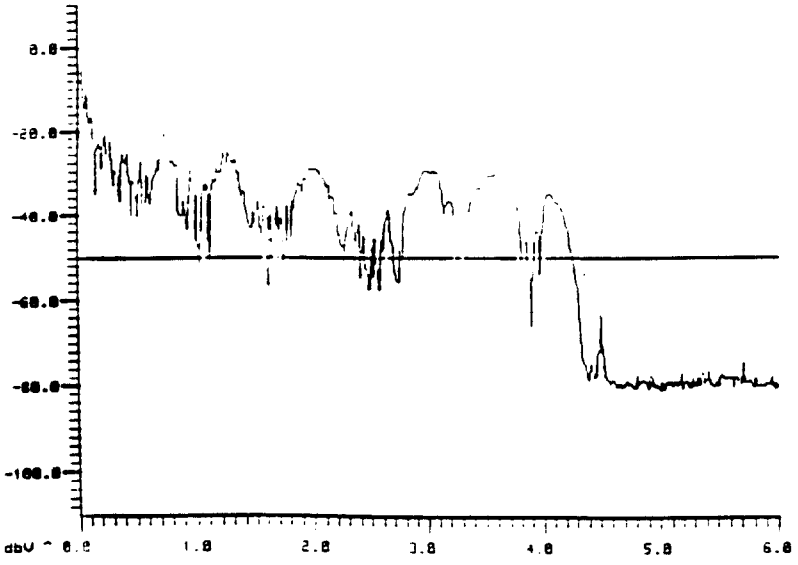
Digideck 3.1.1 Objective Test Results 14-Dec-94

Strong Power Level -26 dBm

Gain and Group Delay as Function of Frequency

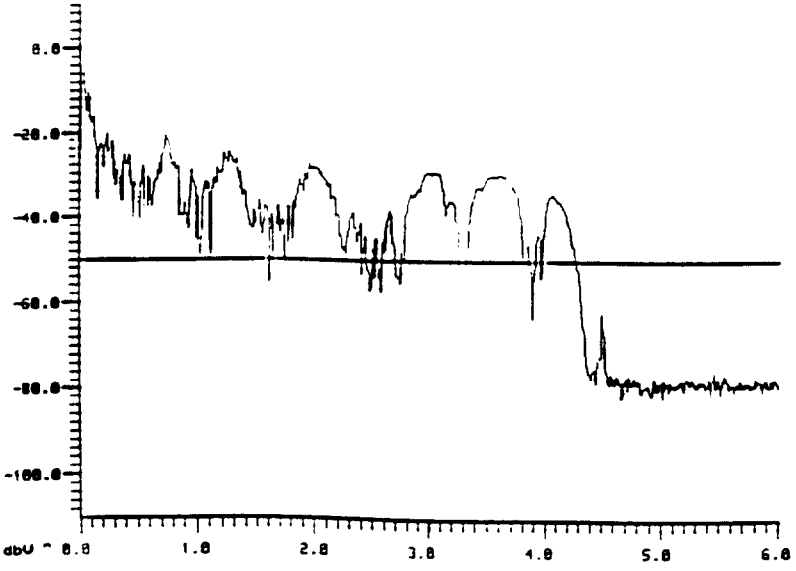


Data OFF 14:03:17



REFERENCE 13:57:00

F.C.C. Multiburst frequencies (Tek 1910); 0.5, 1.25, 2.0, 3.0, 3.58, and 4.1 MHz (per 1910 Manual). Upper sideband components of 4.1 MHz burst are <u>above</u> passband of demodulator.

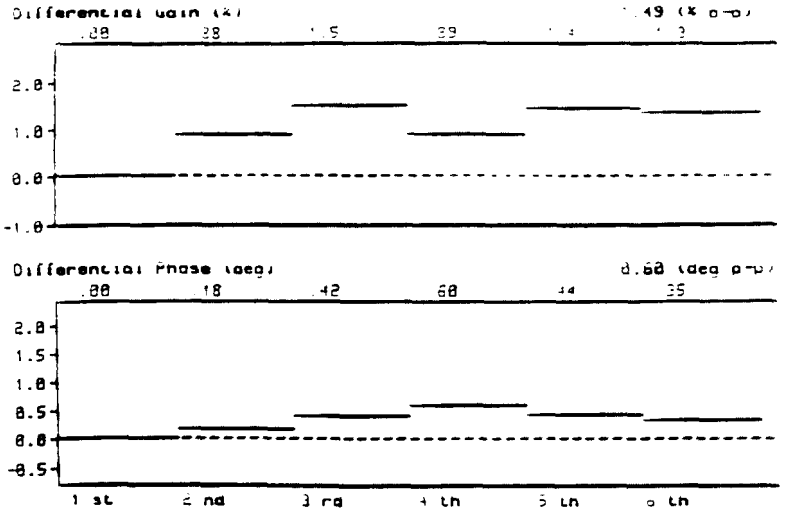


Data ON 14:08:28

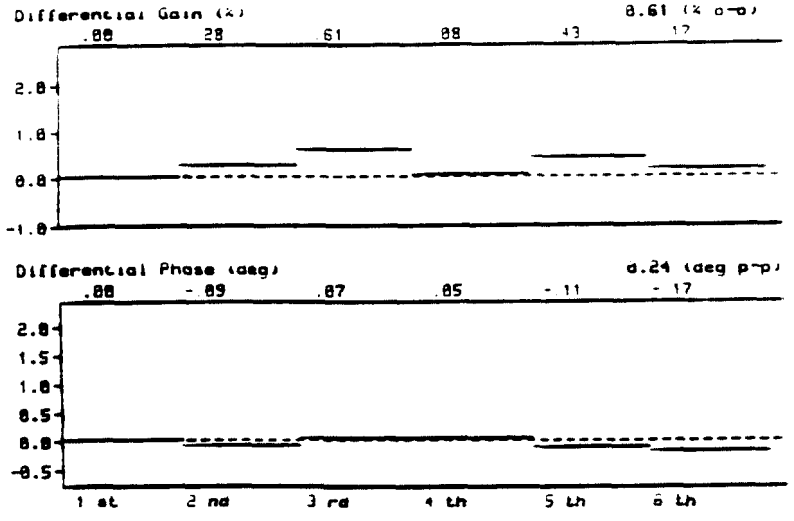
Digideck 3.1.1 Objective Test Results 14-Dec-94

Strong Power Level -26 dBm

Multiburst Response

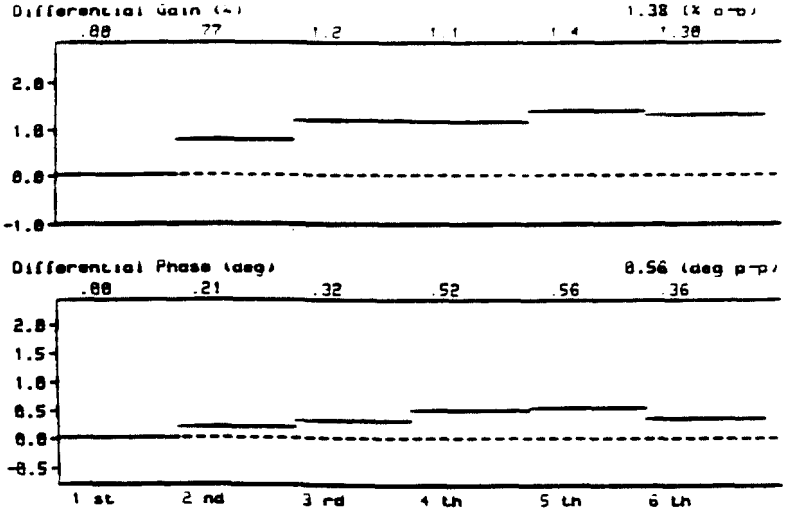


Data OFF 13:59:56



REFERENCE 13:52:43

Tek 700 normalizes gain so that 1st step = 0.0% Differential Gain, and 0° Differential Phase.

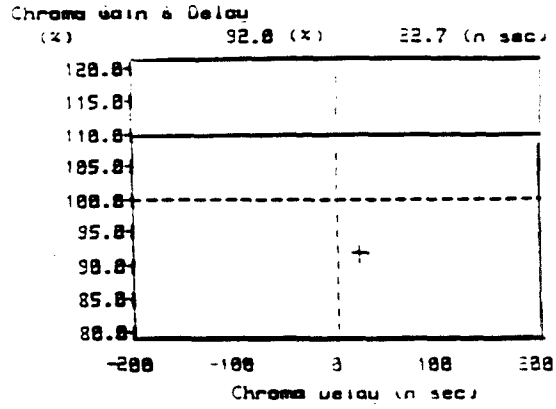


Data ON 14:06:59

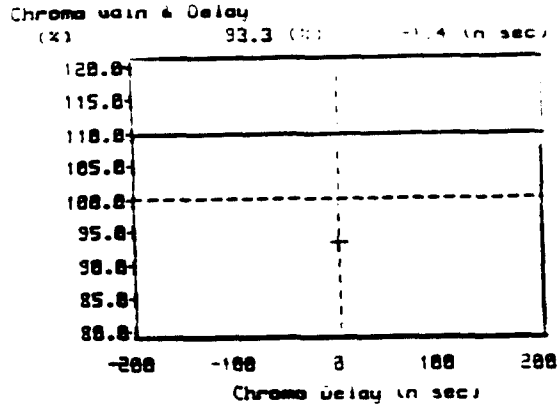
Digideck 3.1.1 Objective Test Results 14-Dec-94

Strong Power Level -26 dBm

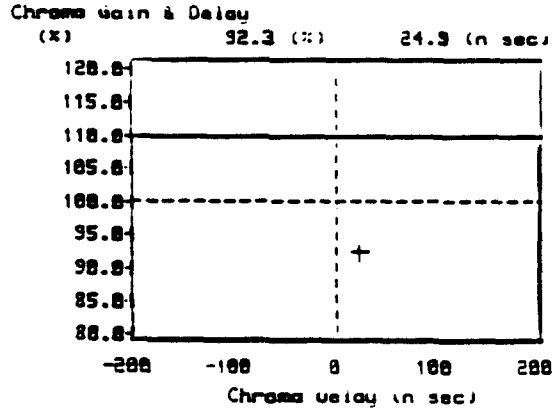
Differential Gain and Phase Measurement



Data OFF 14:00:08



REFERENCE 13:52:56



Data ON 14:07:11

Digideck 3.1.1 Objective Test Results 14-Dec-94

Strong Power Level -26 dBm

12.5 T Chrominance/Luminance Gain and Delay

QUALITY TESTS

WavePhore System

National Data Broadcasting Committee

NATIONAL DATA BROADCASTING COMMITTEE
WAVEPHORE VIDEO QUALITY TESTS

Weak Desired Signal Level
Proponent Data Signal ON

	IMAGE #1 Mannequins		IMAGE #2 Toys		IMAGE #3 Memorial Arch	
RECEIVERS	Observer #1	Observer #2	Observer #1	Observer #2	Observer #1	Observer #2
A1	4.0	4.5	4.5	4.5	4.0	4.5
	4.5	4.0	4.5	4.0	4.0	4.0
A2	4.0	4.5	4.5	4.5	5.0	3.5
	4.0	4.5	5.0	4.0	4.5	3.5
A3	3.5	4.0	4.0	4.0	5.0	5.0
	4.0	4.5	4.5	4.5	4.5	4.5
A4	4.0	4.0	4.5	4.5	5.0	4.5
	4.0	4.0	4.5	4.0	5.0	4.5
A5	3.5	4.5	4.5	4.5	4.5	5.0
	3.5	4.0	4.0	4.0	5.0	4.5
A6	3.5	4.0	5.0	4.0	4.5	4.5
	3.5	4.5	4.5	4.5	4.5	4.5
A7	3.0	4.5	5.0	4.5	4.5	4.5
	4.0	4.5	4.5	4.5	4.5	4.5
A8	4.0	4.0	5.0	4.0	4.0	4.5
	3.0	4.0	4.0	4.5	4.0	4.5
B1	3.5	4.0	4.5	4.0	4.5	4.5
	3.5	4.0	4.5	4.5	5.0	4.5
B2	3.5	4.0	4.5	4.0	4.0	4.5
	3.0	4.0	5.0	4.5	4.5	4.5
B3	3.0	4.5	4.0	4.5	4.5	4.5
	3.0	4.5	4.5	4.5	5.0	4.5
B4	3.5	4.5	4.5	4.5	5.0	4.5
	3.5	4.0	5.0	4.0	5.0	4.5
B5	3.5	4.0	5.0	4.0	4.5	4.5
	4.0	4.0	4.5	4.0	4.5	5.0
B6	3.5	4.0	4.5	4.5	5.0	4.5
	3.0	4.0	4.0	4.5	4.0	4.5
B7	4.0	3.5	5.0	4.0	4.5	4.5
	4.0	4.5	4.5	4.5	4.5	4.5
B8	4.0	4.5	4.5	4.5	5.0	4.5
	3.5	4.0	4.5	4.5	5.0	4.5

NATIONAL DATA BROADCASTING COMMITTEE
WAVEPHORE VIDEO QUALITY TESTS

Weak Desired Signal Level
Proponent Data Signal OFF

	IMAGE #1 Mannequins		IMAGE #2 Toys		IMAGE #3 Memorial Arch	
RECEIVERS	Observer #1	Observer #2	Observer #1	Observer #2	Observer #1	Observer #2
A1	3.5	4.0	4.0	4.5	4.5	5.0
	4.0	4.0	4.5	4.0	4.5	4.0
A2	3.5	4.5	4.5	4.0	4.5	4.5
	4.0	4.5	5.0	4.5	4.5	4.5
A3	3.5	4.0	4.5	4.0	5.0	4.5
	3.5	4.0	4.0	4.0	4.0	4.5
A4	3.0	4.5	4.0	4.0	5.0	4.0
	3.5	4.0	5.0	4.0	4.0	4.0
A5	3.5	4.5	5.0	4.0	4.0	5.0
	3.5	4.0	4.0	4.5	5.0	4.0
A6	3.0	4.0	4.0	4.0	4.0	5.0
	3.0	4.5	4.5	4.0	4.0	5.0
A7	4.0	4.0	4.5	4.0	5.0	4.0
	3.5	4.0	4.5	4.5	4.5	4.0
A8	4.0	4.5	4.5	4.0	4.5	4.5
	3.5	4.0	4.5	4.0	5.0	4.5
B1	3.0	4.5	5.0	4.0	5.0	4.5
	3.5	4.5	4.5	4.0	5.0	4.5
B2	3.0	4.5	4.0	4.0	4.0	4.5
	3.0	4.0	4.5	3.5	4.0	4.5
B3	3.5	4.0	4.5	4.5	4.0	4.5
	3.5	4.5	4.0	4.0	4.5	5.0
B4	3.0	4.5	4.0	3.5	4.5	4.5
	3.0	4.0	4.5	3.5	4.5	4.5
B5	3.0	5.0	4.0	4.5	4.5	4.5
	4.0	4.5	4.0	4.0	4.5	4.5
B6	3.5	4.5	4.5	4.5	4.5	4.5
	3.5	4.0	4.5	4.0	5.0	4.5
B7	3.5	4.0	4.5	4.5	4.0	4.5
	3.5	4.0	4.0	4.5	4.0	4.5
B8	3.5	4.0	4.5	4.5	5.0	4.5
	3.0	4.5	4.5	4.0	5.0	4.5

NATIONAL DATA BROADCASTING COMMITTEE
WAVEPHORE VIDEO QUALITY TESTS

Strong Desired Signal Level
Proponent Data Signal ON

	IMAGE #1 Mannequins		IMAGE #2 Toys		IMAGE #3 Memorial Arch	
RECEIVERS	Observer #1	Observer #2	Observer #1	Observer #2	Observer #1	Observer #2
A1	4.0	4.5	4.5	4.5	4.5	4.0
	4.0	4.0	5.0	4.5	4.0	4.5
A2	3.0	4.0	5.0	4.5	4.5	4.0
	3.5	4.0	4.0	4.0	4.5	4.5
A3	3.0	4.0	4.0	4.0	4.5	4.5
	3.5	4.0	4.5	4.0	4.5	4.5
A4	3.5	4.0	3.5	4.5	4.5	4.5
	3.5	3.5	4.5	4.5	4.5	4.5
A5	4.0	4.5	4.0	5.0	4.5	4.5
	3.0	4.0	4.5	4.0	4.0	4.5
A6	3.5	4.0	4.5	4.5	4.0	4.0
	3.0	3.5	5.0	4.0	5.0	4.0
A7	4.0	4.5	4.5	4.5	5.0	4.5
	3.0	3.5	4.0	4.5	4.0	4.5
A8	3.5	4.5	4.0	4.5	4.0	4.0
	3.5	4.0	5.0	4.0	4.5	4.5
B1	4.0	3.5	4.0	4.0	4.5	4.5
	3.5	4.0	4.0	4.0	4.5	4.0
B2	4.0	3.5	5.0	4.0	4.5	4.5
	4.0	3.5	3.5	4.0	4.5	4.5
B3	3.5	4.0	4.5	4.5	5.0	4.0
	4.0	3.5	4.0	4.0	4.5	4.0
B4	3.5	4.0	4.5	3.5		4.0
	3.0	3.5	4.5	4.0	5.0	4.5
B5	3.5	3.5	4.5	4.0	5.0	4.5
	3.5	4.0	4.0	4.0	5.0	4.5
B6	4.0	3.5	4.5	4.0	5.0	4.0
	3.5	3.5	4.5	4.0	4.5	4.5
B7	4.0	4.0	4.5	4.0	4.0	4.5
	3.0	4.0	4.5	4.5	4.5	4.0
B8	4.0	4.0	4.5	4.5	4.5	4.5
	3.0	4.0	4.0	4.0	4.5	4.0

NATIONAL DATA BROADCASTING COMMITTEE
WAVEPHORE VIDEO QUALITY TESTS

Strong Desired Signal Level
Proponent Data Signal OFF

	IMAGE #1 Mannequins		IMAGE #2 Toys		IMAGE #3 Memorial Arch	
RECEIVERS	Observer #1	Observer #2	Observer #1	Observer #2	Observer #1	Observer #2
A1	4.0	4.5	4.0	4.0	4.5	4.5
	4.0	4.5	5.0	4.5	4.5	5.0
A2	3.5	4.5	4.0	4.5	5.0	4.5
	4.0	4.5	4.5	4.0	4.5	4.5
A3	3.5	4.0	4.5	4.0	4.0	4.5
	4.0	4.0	4.0	4.0	4.0	5.0
A4	3.5	4.0	4.5	4.5	5.0	5.0
	3.0	4.5	5.0	4.5	4.0	4.5
A5	4.0	4.5	4.5	5.0	4.5	5.0
	3.5	4.5	4.0	4.5	4.0	4.5
A6	3.5	4.5	4.0	4.0	4.5	4.5
	3.0	4.5	4.5	4.5	5.0	5.0
A7	3.0	4.5	4.5	4.5	4.5	4.5
	4.5	4.0	4.0	4.5	4.5	5.0
A8	4.0	5.0	4.5	4.0	4.5	5.0
	3.5	4.5	5.0	4.5	4.0	4.5
B1	3.0	4.0	4.0	4.0	4.5	4.5
	3.0	4.0	4.0	4.0	4.5	5.0
B2	3.5	4.5	4.0	4.5	4.5	4.5
	3.5	4.5	4.0	4.5	4.5	4.5
B3	3.5	4.0	4.5	4.5	4.0	5.0
	3.5	4.0	4.5	4.0	4.0	5.0
B4	3.0	4.5	4.0	4.0	4.5	4.5
	3.5	4.5	4.5	3.5	4.5	4.5
B5	3.0	4.0	5.0	4.5	4.5	5.0
	4.0	4.0	4.0	4.5	5.0	4.5
B6	3.5	4.0	4.5	4.5	5.0	5.0
	4.0	4.5	4.5	4.5	4.5	5.0
B7	3.0	4.0	4.5	4.5	4.0	5.0
	3.0	4.5	4.5	4.0	4.5	4.5
B8	3.5	4.0	4.5	4.5	5.0	4.5
	3.5	4.0	4.5	4.5	5.0	5.0

NATIONAL DATA BROADCASTING COMMITTEE
WAVEPHORE AUDIO QUALITY TESTS

Weak Desired Signal Level
Proponent Data Signal ON

	SOUND #1 Male Speech		SOUND #2 Glockenspiel		SOUND #3 Silence	
RECEIVERS	Observer #1	Observer #2	Observer #1	Observer #2	Observer #1	Observer #2
A1	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
A6	4.5	5.0	5.0	4.5	5.0	5.0
	5.0	5.0	5.0	4.5	5.0	5.0
B1	5.0	5.0	5.0	5.0	4.5	5.0
	5.0	5.0	5.0	5.0	4.0	5.0
B4	5.0	5.0	5.0	5.0	5.0	4.5
	5.0	5.0	5.0	5.0	5.0	5.0
B5	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B7	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0

Weak Desired Signal Level
Proponent Data Signal OFF

	SOUND #1 Male Speech		SOUND #2 Glockenspiel		SOUND #3 Silence	
RECEIVERS	Observer #1	Observer #2	Observer #1	Observer #2	Observer #1	Observer #2
A1	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
A6	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	4.5	5.0	5.0
B1	5.0	5.0	5.0	5.0	4.5	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B4	5.0	5.0	5.0	4.5	5.0	5.0
	5.0	5.0	5.0	4.5	5.0	5.0
B5	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B7	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0

NATIONAL DATA BROADCASTING COMMITTEE
WAVEPHORE AUDIO QUALITY TESTS

Strong Desired Signal Level
Proponent Data Signal ON

	SOUND #1 Male Speech		SOUND #2 Glockenspiel		SOUND #3 Silence	
RECEIVERS	Observer #1	Observer #2	Observer #1	Observer #2	Observer #1	Observer #2
A1	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
A6	4.5	5.0	5.0	5.0	5.0	4.5
	5.0	5.0	5.0	5.0	5.0	5.0
B1	4.5	5.0	5.0	5.0	4.5	5.0
	5.0	5.0	5.0	5.0	4.0	4.5
B4	4.5	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B5	5.0	5.0	4.5	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B7	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0

Strong Desired Signal Level
Proponent Data Signal OFF

	SOUND #1 Male Speech		SOUND #2 Glockenspiel		SOUND #3 Silence	
RECEIVERS	Observer #1	Observer #2	Observer #1	Observer #2	Observer #1	Observer #2
A1	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
A6	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	4.5	5.0	5.0
B1	4.5	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B4	5.0	5.0	5.0	4.5	5.0	5.0
	5.0	5.0	5.0	4.5	5.0	5.0
B5	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B7	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	4.5	5.0	5.0

QUALITY TESTS

Digideck System

National Data Broadcasting Committee

NATIONAL DATA BROADCASTING COMMITTEE
DIGIDECK VIDEO QUALITY TESTS

Weak Desired Signal Level
Proponent Data Signal ON

	IMAGE #1 Mannequins		IMAGE #2 Toys		IMAGE #3 Memorial Arch	
RECEIVERS	Observer #1	Observer #2	Observer #1	Observer #2	Observer #1	Observer #2
A1	5.0	5.0	5.0	4.5	4.5	5.0
	5.0	5.0	5.0	5.0	5.0	4.5
A2	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	4.5	5.0
A3	5.0	5.0	5.0	5.0	4.5	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
A4	5.0	5.0	5.0	4.5	5.0	5.0
	5.0	5.0	5.0	5.0	4.5	5.0
A5	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	4.5
A6	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
A7	5.0	5.0	5.0	5.0	4.5	4.5
	5.0	5.0	5.0	5.0	5.0	5.0
A8	5.0	5.0	5.0	4.5	5.0	4.5
	5.0	5.0	5.0	5.0	5.0	4.5
B1	5.0	4.5	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B2	5.0	4.0	5.0	4.5	5.0	4.5
	5.0	4.0	5.0	4.5	5.0	4.5
B3	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B4	5.0	4.5	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B5	5.0	5.0	4.5	5.0	5.0	5.0
	5.0	4.5	5.0	5.0	5.0	5.0
B6	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B7	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	4.5	5.0	5.0	5.0	5.0
B8	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	4.5

NATIONAL DATA BROADCASTING COMMITTEE
DIGIDECK VIDEO QUALITY TESTS

Weak Desired Signal Level
Proponent Data Signal OFF

	IMAGE #1 Mannequins		IMAGE #2 Toys		IMAGE #3 Memorial Arch	
RECEIVERS	Observer #1	Observer #2	Observer #1	Observer #2	Observer #1	Observer #2
A1	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
A2	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
A3	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
A4	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
A5	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
A6	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
A7	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
A8	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B1	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B2	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B3	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B4	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B5	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B6	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B7	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B8	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0

NATIONAL DATA BROADCASTING COMMITTEE
DIGIDECK VIDEO QUALITY TESTS

Strong Desired Signal Level
Proponent Data Signal ON

	IMAGE #1 Mannequins		IMAGE #2 Toys		IMAGE #3 Memorial Arch	
RECEIVERS	Observer #1	Observer #2	Observer #1	Observer #2	Observer #1	Observer #2
A1	5.0	4.0	5.0	4.5	5.0	4.5
	5.0	4.5	5.0	4.5	5.0	4.5
A2	5.0	4.5	5.0	4.5	5.0	4.5
	5.0	4.5	5.0	4.5	5.0	4.5
A3	5.0	4.5	5.0	4.5	5.0	4.5
	5.0	4.5	5.0	4.5	5.0	4.5
A4	5.0	4.5	5.0	4.5	5.0	4.5
	5.0	4.5	5.0	4.5	5.0	4.5
A5	5.0	4.5	5.0	5.0	5.0	4.5
	5.0	4.5	5.0	4.5	5.0	4.5
A6	5.0	4.5	5.0	4.5	5.0	4.5
	5.0	4.5	5.0	4.5	5.0	4.5
A7	5.0	4.5	5.0	4.5	5.0	4.5
	5.0	4.5	5.0	4.5	4.5	4.5
A8	5.0	4.5	5.0	4.5	5.0	4.5
	5.0	4.5	5.0	4.5	5.0	4.5
B1	5.0	4.0	5.0	4.5	5.0	4.5
	5.0	4.5	5.0	4.0	5.0	4.5
B2	5.0	4.5	5.0	4.5	5.0	4.5
	5.0	4.5	5.0	4.5	4.5	4.5
B3	5.0	4.5	5.0	4.5	5.0	4.5
	5.0	4.5	5.0	4.5	5.0	4.5
B4	5.0	4.0	5.0	4.5	5.0	4.5
	5.0	4.5	5.0	4.0	5.0	4.5
B5	5.0	4.5	5.0	4.5	5.0	4.5
	5.0	4.5	5.0	4.0	5.0	4.5
B6	5.0	4.5	5.0	4.5	5.0	4.5
	5.0	4.0	5.0	4.5	5.0	4.5
B7	5.0	4.5	5.0	4.5	5.0	4.5
	5.0	4.5	5.0	4.5	5.0	4.5
B8	5.0	4.0	5.0	4.5	5.0	4.5
	5.0	4.5	5.0	4.5	5.0	4.5

NATIONAL DATA BROADCASTING COMMITTEE
DIGIDECK VIDEO QUALITY TESTS

Strong Desired Signal Level
Proponent Data Signal OFF

	IMAGE #1 Mannequins		IMAGE #2 Toys		IMAGE #3 Memorial Arch	
RECEIVERS	Observer #1	Observer #2	Observer #1	Observer #2	Observer #1	Observer #2
A1	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
A2	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
A3	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
A4	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
A5	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
A6	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
A7	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
A8	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B1	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B2	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B3	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B4	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B5	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B6	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B7	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B8	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0

NATIONAL DATA BROADCASTING COMMITTEE
DIGIDECK AUDIO QUALITY TESTS

Weak Desired Signal Level
Proponent Data Signal ON

	SOUND #1 Male Speech		SOUND #2 Glockenspiel		SOUND #3 Silence	
RECEIVERS	Observer #1	Observer #2	Observer #1	Observer #2	Observer #1	Observer #2
A1	5.0	5.0	4.5	4.5	5.0	5.0
	5.0	5.0	4.5	5.0	5.0	5.0
A6	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B1	5.0	5.0	3.0	4.5	5.0	5.0
	5.0	5.0	2.5	4.0	4.5	5.0
B4	5.0	5.0	5.0	4.5	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B5	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B7	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	4.5	5.0	5.0

Weak Desired Signal Level
Proponent Data Signal OFF

	SOUND #1 Male Speech		SOUND #2 Glockenspiel		SOUND #3 Silence	
RECEIVERS	Observer #1	Observer #2	Observer #1	Observer #2	Observer #1	Observer #2
A1	5.0	5.0	4.5	5.0	5.0	5.0
	5.0	5.0	4.5	5.0	4.5	5.0
A6	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B1	5.0	5.0	2.5	4.5	5.0	5.0
	5.0	5.0	2.0	4.5	4.0	5.0
B4	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B5	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	4.5	5.0
B7	5.0	5.0	5.0	5.0	4.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0

NATIONAL DATA BROADCASTING COMMITTEE
DIGIDECK AUDIO QUALITY TESTS

Strong Desired Signal Level
Proponent Data Signal ON

	SOUND #1 Male Speech		SOUND #2 Glockenspiel		SOUND #3 Silence	
RECEIVERS	Observer #1	Observer #2	Observer #1	Observer #2	Observer #1	Observer #2
A1	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	4.0	4.5	5.0	5.0
A6	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B1	5.0	5.0	3.5	4.5	5.0	5.0
	4.5	5.0	3.0	4.5	5.0	5.0
B4	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B5	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	4.5	5.0
B7	4.5	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0

Strong Desired Signal Level
Proponent Data Signal OFF

	SOUND #1 Male Speech		SOUND #2 Glockenspiel		SOUND #3 Silence	
RECEIVERS	Observer #1	Observer #2	Observer #1	Observer #2	Observer #1	Observer #2
A1	5.0	5.0	4.0	5.0	4.5	5.0
	5.0	5.0	4.5	5.0	5.0	5.0
A6	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B1	5.0	5.0	2.0	4.5	4.5	5.0
	5.0	5.0	3.0	4.5	5.0	5.0
B4	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B5	5.0	5.0	5.0	5.0	5.0	5.0
	5.0	5.0	5.0	5.0	5.0	5.0
B7	5.0	5.0	5.0	5.0	5.0	5.0
	4.5	5.0	5.0	5.0	5.0	5.0

OTHER TESTS

WavePhore System

National Data Broadcasting Committee