

AGREED ACCEPTANCE TEST LIMITS FOR TELEVISION LINKS PROVIDED BY THE U.K.

POST OFFICE FOR BBC USE

Definitions

- (a) Main Link, having a route length of between 25 and say 140 miles.
- (b) Major Local Link, having a route length of less than 25 miles and including intermediate repeaters.
- (c) Minor Local Link, having a route length of less than 25 miles without intermediate repeaters.

PARAMETERS

	<u>LIMITS</u>		
	<u>Main Link</u>	<u>Major Local</u>	<u>Minor Local</u>
Line-up gain (Measured on 25 S Bar)	0 [±] 0.25dB	0.25dB	0.25dB
Short period gain variations (e.g. 1 second)	±0.1 dB	0.1 dB	0.1 dB
Medium period gain variations (e.g. 1 hour)	±0.25dB	±0.1 dB	±0.1 dB
Variations in gain between line-ups	±0.5 dB	±0.25dB	±0.25dB
Signal/Luminance weighted r.m.s. noise Ratio	60 dB	62 dB	68 dB
Signal/Chrominance weighted r.m.s. noise Ratio	54 dB	56 dB	62 dB
Signal/V.L.F. (<10 Hz) p-p noise ratio	26 dB	26 dB	26 dB
Signal/L.F. (50-10000 Hz) p-p noise ratio	35 dB	26 dB	26 dB
Signal/Inverter (2.3-4.5 kHz) p-p noise ratio	59 dB	55 dB	63 dB
Signal/Periodic (1 kHz-5.5 MHz) p-p noise ratio	55 dB	55 dB	55 dB
Impulsive noise	- - Imperceptible	- - -	- - -
Video Crosstalk (Undistorted)	58 dB	62 dB	66 dB
Sync. pulse non-linearity (Static) at 0 dB	3%	2%	1%
Sync. pulse non-linearity (Static) at +3 dB	6%	4%	2%
Sync. pulse non-linearity (Dynamic) at 0 dB	6%	4%	2%
Sync. pulse non-linearity (Dynamic) at +3 dB	12%	8%	4%
Line-time non-linearity at 0 dB	4%	2%	1%
Line-time non-linearity at +3 dB	8%	4%	2%
Differential Phase at 0 dB	1°	1°	0.5°
Differential Phase at +3 dB	2°	2°	1°
Differential Gain at 0 dB	2%	1%	1%
Differential Gain at +3 dB	4%	4%	2%
Chrominance-Luminance Crosstalk	3%	3%	2%
Chrominance K rating	1%	1%	0.5%
Chrominance-Luminance Gain Inequality	5%	2.5%	2.5%
Chrominance-Luminance Delay Inequality	20nS	20nS	10nS
Step Signal Response	35%	35%	30%