

Wynik badań systemu APPV 300 w odniesieniu do normy dotyczącej parametrów sygnału wideo dla naziemnych nadajników telewizyjnych. Zasięg 2500 m.

FMS100 Ser.No. 0550		07-Jul-03 11:59:26					
PARAMETER	LINE	RESULT	LIMITS				
			Caution		Alarm		
			Lower	Upper	Lower	Upper	
APL		39.9 %					
LEVEL	L17						
Sync Level		304.2 mV	277.5	322.5	260.4	339.6	
Burst Level		304.6 mV	259.8	327.0	260.0	330.0	
Bar Level		695.7 mV	666.3	733.7	643.1	756.9	
VBS Level		999.9 mV	988.8	1011.2	953.6	1046.2	
Black/VBS0 Ratio		----- %	73.0	74.6	72.8	74.8	
Residual Carrier		----- %	11.5	13.5	11.2	13.8	
LUMINANCE BAR	L17						
Amplitude (b1)		702.4 mV	666.3	733.7	643.1	756.9	
Tilt		-1.1 %	-2.0	2.0	-3.2	3.2	
Line Time Distortion		1.2 %	-----	2.0	-----	3.2	
Base Line Distortion		4.4 % !!	-2.0	2.0	-3.3	3.3	
2T PULSE	L17						
K Factor		1.8 % !!	-----	1.0	-----	1.6	
Half Amplitude Duration		195.4 ns	195.0	205.0	190.0	210.0	
Pulse/Bar Ratio		97.8 %	95.0	105.0	92.5	107.5	
SHORT TIME DIST	L---	SIG NOT FND					
Distortion		----- %	-----	3.0	-----	3.5	
Rise Time		----- ns	100.0	120.0	90.0	130.0	
Fall Time		----- ns	100.0	120.0	90.0	130.0	
FIELD TIME DIST		INVALID WFM					
Distortion		----- %	-1.0	1.0	-1.8	1.8	
Hum		----- %	-----	0.7	-----	1.8	
MULTIBURST	L18						
Packet 0.5 MHz		-0.26 dB	-0.50	0.50	-0.90	0.90	
Packet 1.0 MHz		-0.34 dB	-0.50	0.50	-0.90	0.90	
Packet 2.0 MHz		-0.16 dB	-0.70	0.50	-1.10	0.90	
Packet 4.0 MHz		0.43 dB	-1.00	0.50	-1.40	0.90	
Packet 4.8 MHz		0.36 dB	-2.00	0.50	-5.20	0.90	
Packet 5.8 MHz		0.08 dB	-----	0.50	-----	0.90	
Peak Ripple (...4.8 MHz)		0.43 dB	-----	2.00	-----	5.20	
SIN X/X	L---	SIG NOT FND					
Ampl. Pk-Pk (...4.43 MHz)		----- dB	-----	1.50	-----	2.30	
Delay Pk-Pk (...4.43 MHz)		----- ns	-----	60.0	-----	110.0	
DIFF GAIN & PHASE	L330						
Gain Pk-Pk		3.7 %	-----	10.0	-----	13.3	
Phase Pk-Pk		6.8 dg !	-----	6.0	-----	8.3	
LUMINANCE NONLIN	L17						
Nonlinearity Pk-Pk		6.0 %	-----	10.0	-----	13.4	
C NL & PH & C/L IM	L331						
Nonlinearity Pk-Pk		3.1 %	-----	10.0	-----	13.4	
Phase Error Pk-Pk		2.8 dg	-----	6.0	-----	8.3	
Intermodulation Pk-Pk		1.5 %	-----	2.0	-----	3.0	

FMS100 Ser.No. 0550

07-Jul-03 11:59:26

PARAMETER	LINE	RESULT	LIMITS			
			Caution		Alarm	
			Lower	Upper	Lower	Upper
C/L GAIN & DLY 20T	L17					
Gain		105.1 %	94.0	106.0	90.0	110.0
Delay		-4.6 ns	-25.0	25.0	-55.0	55.0
Gain (Bar)		103.0 %	94.0	106.0	90.0	110.0
Intermodulation (Bar)		-2.0 %	-2.0	2.0	-2.5	2.5
ICPM	L17	NO ZERO REF				
Angle Pk-Pk (Video-Blank)		----- dg	-----	2.0	-----	5.0
H SYNC JITTER						
Time Pk-Pk (Full Frame)		16 ns	-----	20	-----	30
Time Pk-Pk (No VSync)		16 ns	-----	20	-----	30
SIGNAL/NOISE RATIO	L22					
S/N (Weighted)		54.9 dB !!	63.0	-----	59.5	-----
S/N (Unweighted)		47.2 dB !!	56.0	-----	53.5	-----