Nordix GRUPO

Technical & Quality Dept.

FINAL TEST REPORT

Cable type TLCA-660 Código NORDIX: **001122C**

Lote Nº: **03/12/2007**

Customer Purchase Order: **P.ORDER-07-0240** Sample Nº: 700429092

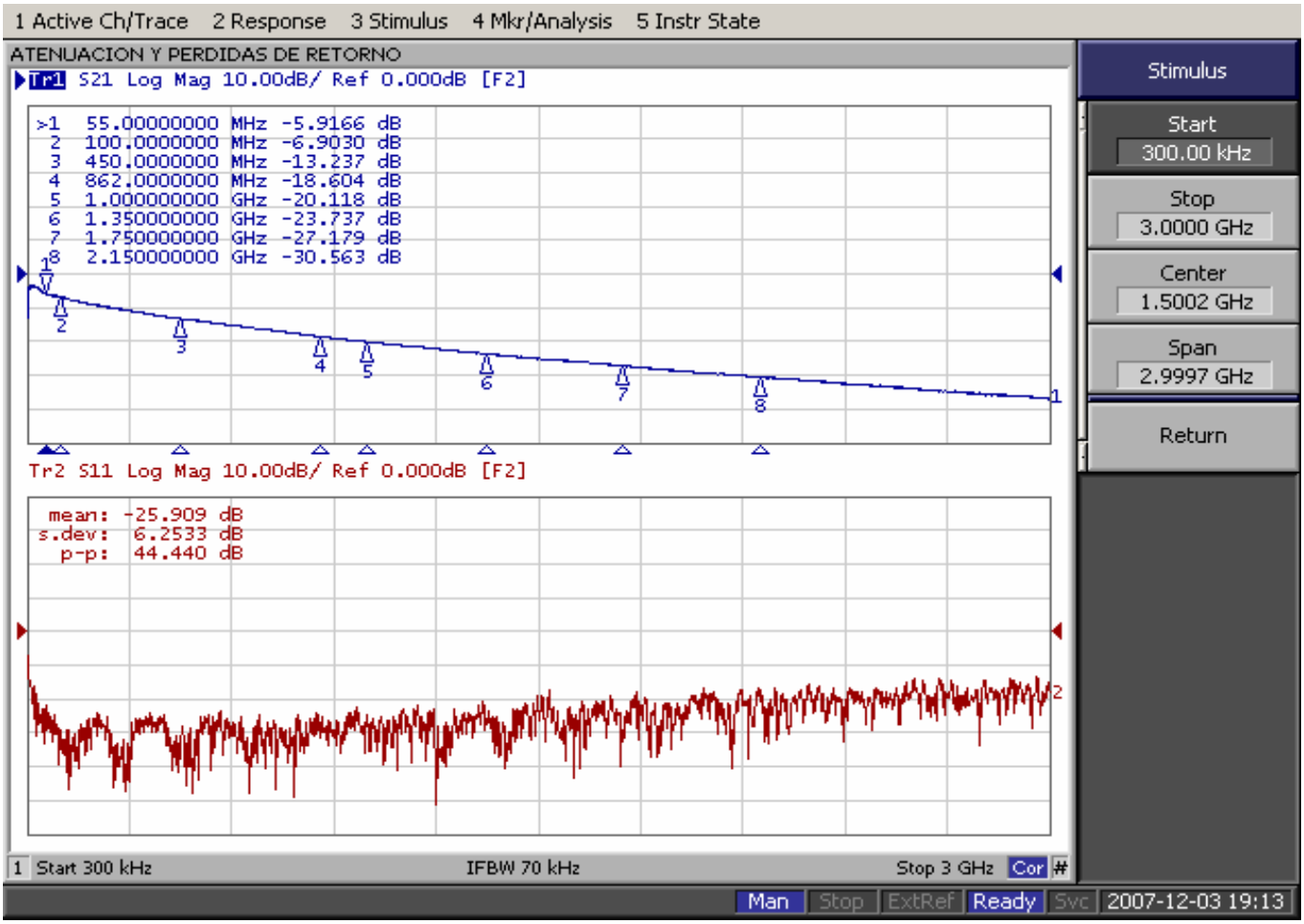
MECHANICAL PARAMETERS		Dimensions mm Nominal	Measured		Test Devices
Inner Conductor	Copper covered steel wire	1,02 +/- 0,02	1,023		
	Conductivity 21 % IACS				
Dielectric	Gas injected PEE (Skin-Foam)	4,6 +/- 0,1			
Outer conductor	Al foil bonded to dielectric and	4,75 +/- 0,15	4,86		
	aluminum wires braid	5,4 +/- 0,15	5,36		
	Coverage factor	60%	OK		
Sheat	Lead free white PVC	6,9 +/- ,2	6,79		
	Thickness	0,75+/-0,05	0,88		

Legende: **NORDIX - CATV COAXIAL CABLE TLCA-6/60 - Made in SPAIN ddmmaa metros**

Delivery form 500 m in wooden reel

ELECTRICAL CHARACTERISTICS		Nominal @20 ºC	Measured	Converted	
Characteristic Impedance	Ohms	75 +/- 3,75	76,65		
Capacitance	pF/km	54 +/- 3	5,018	50,180	
Conductor Resistance	Inner - Ohm/km	<= 104	9,487	93,04	
	Outer - Ohm/km	<= 36	2,974	29,17	
	Environmental temperature	ºC	25		
	Sample's length	meters	100		
	Sample's electrical length	meters	116,56		
Velocity of Propagation		84%	85,79%		
Attenuation max. dB/100m	55 MHz	4,935	5,91	5,85	
	100 MHz	6,405	6,9	6,83	
	450 MHz	14,175	13,23	13,10	
	862 MHz	20,475	18,6	18,42	
	1000 MHz	22,26	20,11	19,92	
	2150 MHz		30,56	30,26	
Return Loss dB	5-30MHz	20	OK		
	30-470 MHz	20	OK		
	470-1000 MHz	18	OK		

Mechanical tests:	JPG 03-12-07	**Revised :**	DGL
Electrical tests:	JPG 03-12-07	**Date:**	


1 Active Ch/Trace
2 Response
3 Stimulus
4 Mkr/Analysis
5 Instr State
ATENUACION Y PERDIDAS DE RETORNO
Tr1 S21 Log Mag 10.00dB/ Ref 0.000dB [F2]
>1 55.00000000 MHz -5.9166 dB
2 100.0000000 MHz -6.9030 dB
3 450.0000000 MHz -13.237 dB
4 862.0000000 MHz -18.604 dB
5 1.000000000 GHz -20.118 dB
6 1.350000000 GHz -23.737 dB
7 1.750000000 GHz -27.179 dB
8 2.150000000 GHz -30.563 dB
Tr2 S11 Log Mag 10.00dB/ Ref 0.000dB [F2]
mean: -25.909 dB
s.dev: 6.2533 dB
p-p: 44.440 dB
1 Start 300 kHz
IFBW 70 kHz
Stop 3 GHz
Cor
Stimulus
Start
300.00 kHz
Stop
3.0000 GHz
Center
1.5002 GHz
Span
2.9997 GHz
Return
Man
Stop
ExtRef
Ready
Svc
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