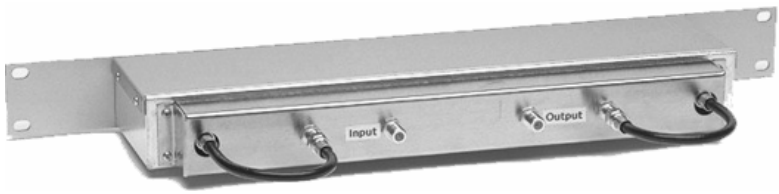
CE7- Series Channel Deletion Filters - Single Channel Bandstop

Adjacent Channels Preserved - Channels Available: A14 to I22, 7 to 13, 23 to 105 - Bandwidth 1GHz

Model **CE7** Dim (in): 19L x 1.75H x 4D



Model **CE7 E** (CE7 with passband extender)
Dim (in): 19L x 1.75H x 6D

Sample production graphs provided below:
CE7-chs 21, 32, 60, 81, 105.

The model **CE7** will remove one TV or DATA channel from the cable TV spectrum to allow substitution of local content. It preserves the adjacent channels and all other signals in passband.

- Minimal Impact on Adjacent Channels
- Available Channels: A1, A14-I22, 7-13, 23-105
- Channel formats available: NTSC standard; HRC, PAL or UHF optional
- Customized Narrow Bandstops: 2 to 6 MHz wide, within 120 to 800 MHz
- Stopband: > 50 dB across TV or Data channel
- Low Passband loss: 1.0 dB +/- .5 dB
- Good temperature stability (-10° to +40° C)
- Sturdy Metal enclosure. Wall or Rack mount
- Final Production Graph provided
- See **BR7** for chs T7-T13, 2 - 6, A5-95 - A1-99, A14 - I22. 7-13
- See **CE7W** for wide/multi-channel bandstops
- Optional - 15 Amp power bypass available

SPECIFICATIONS

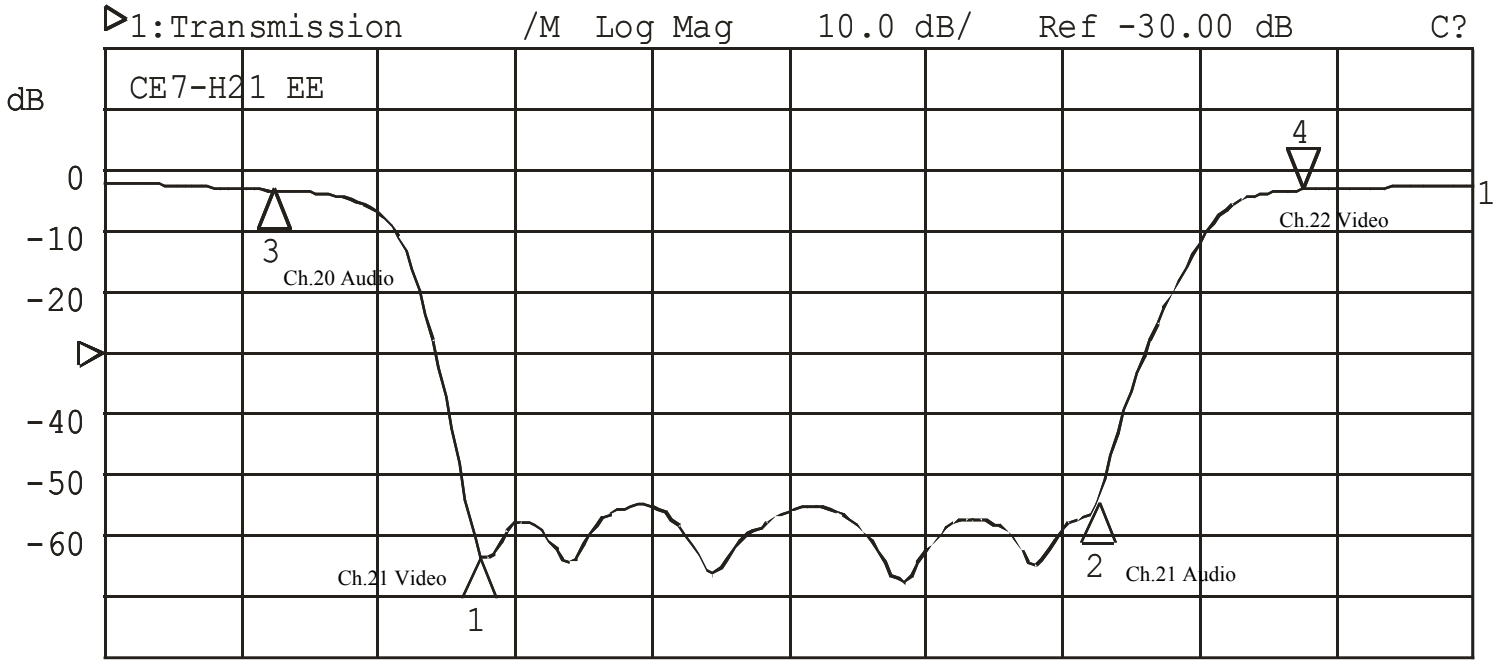
Channels	Bandwidth (MHz) Standard/ Extended	Passband Loss (dB) *1	Adjacent Carrier Loss *2 Lower	Upper	Stopband (dB):
A14 - I22, 7-10	DC - 1000	1.25 ± .5	< 3.5 dB	< 3.5 dB	>50 (see ex. Graph 1– H21)
11 - 28	DC - 550 / 1000	1.0 / 1.25 ± .5	< 3.5 dB	< 3.5 dB	>50
29 - 37	DC - 750 / 1000	1.0 / 1.25 ± .5	< 3.5 dB	< 3.5 dB	>50 (see ex. Graph 2 - C32)
38 - 44	DC - 900 / 1000	1.0 / 1.25 ± .5	< 4 dB	< 3.5 dB	>50
45 - 60	DC - 1000	1.0 ± .5	< 3.5 dB	< 3.5 dB	>50 (see ex. Graph 4 – C60)
61 - 80	DC - 1000	1.0 ± .5	< 5.0 dB	< 4.0 dB	>50 (see ex. Graph 4 – C81)
81-105	DC - 1000	1.0 ± .5	< 5.5 dB	< 4.5 dB	>50 (see ex. Graph 5 - C105)

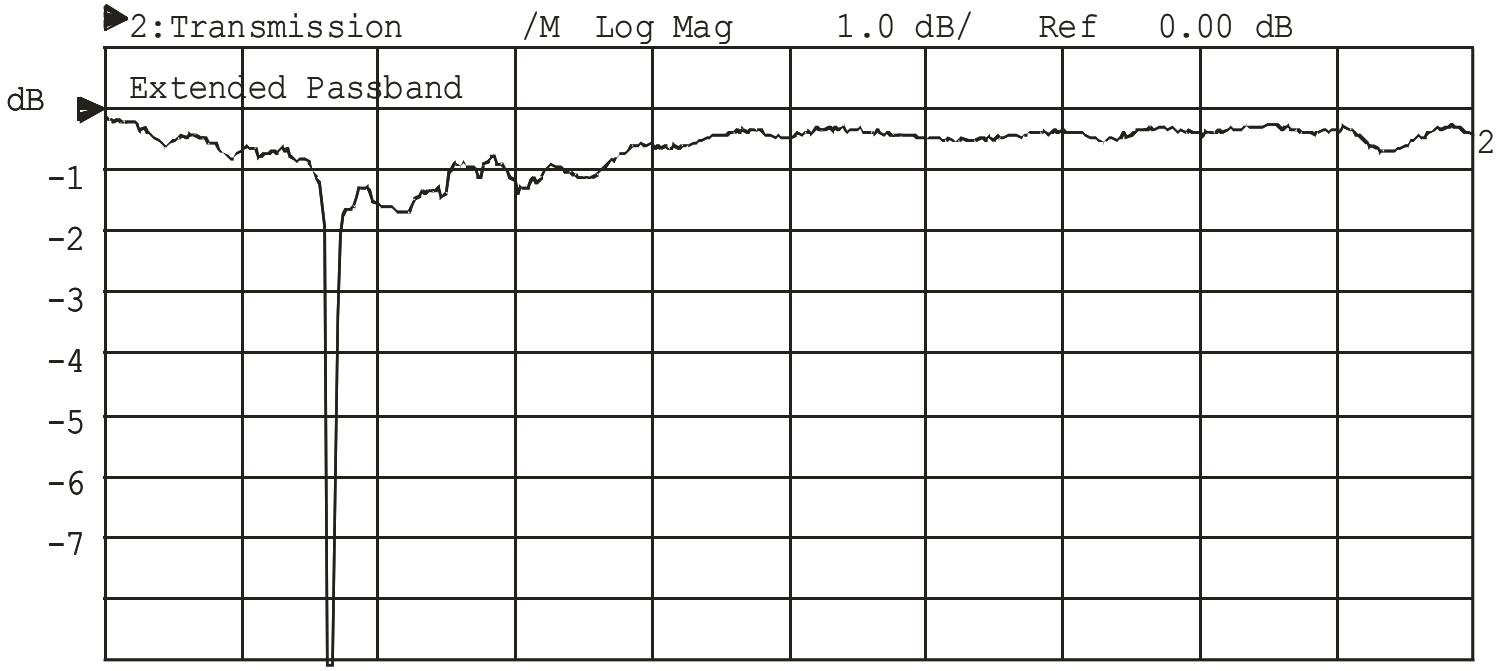
General Specifications

Connectors Impedance	F-type female 75 ohms	**Operating Temperature** -10 to +40 ° C (20 to 120 ° F)		**Net Weight**	3 lbs –CE7 3.5 lbs-CE7 E
Power pass	2 amp, 60 AC max. 15 Amp power bypass opt. - see model **LH7-AC15/RF**			**Installation/ Mounting**	In-line / Wall or Rack

*** Note**
1. Units with Passband Extenders have < 1dB insertion from 450 to 1000 MHz.
2. All Adjacent Carrier Loss, shown above, includes passband and extender insertion losses.

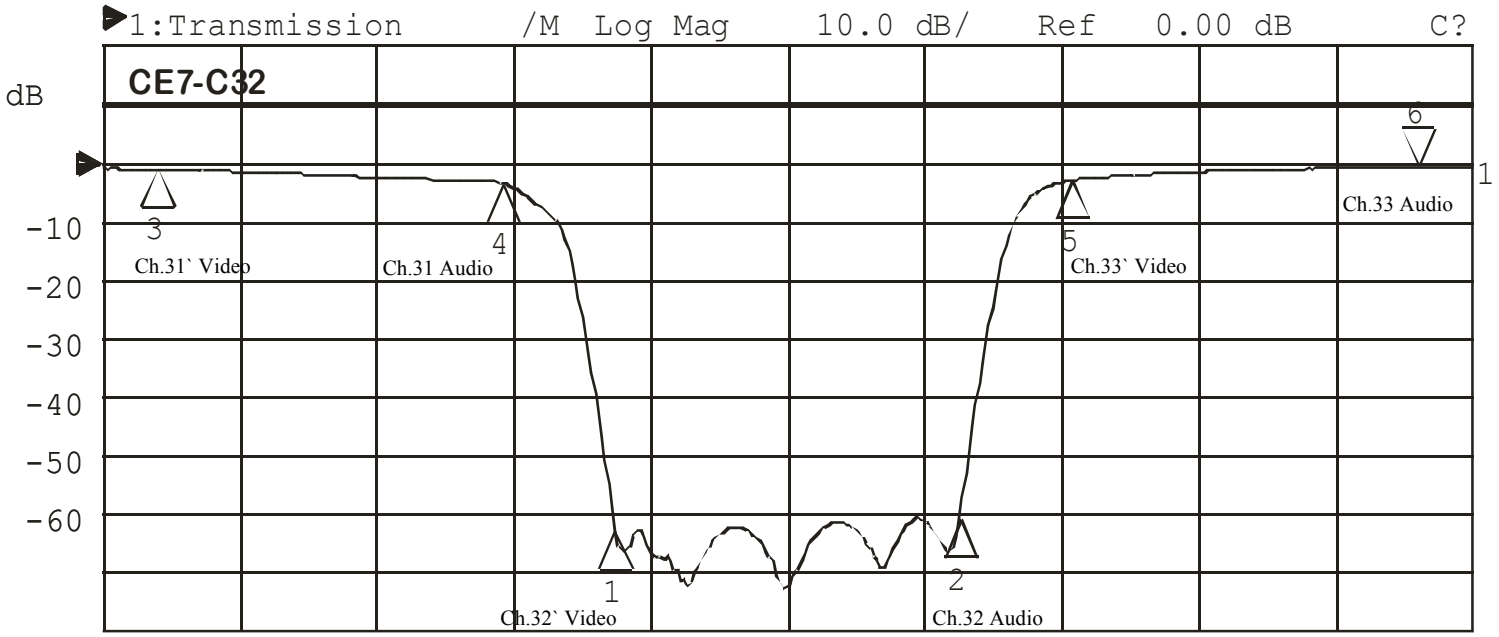
Graph #1: CE7-ch.Ch.H21 E - Midband Channel Frequency Response

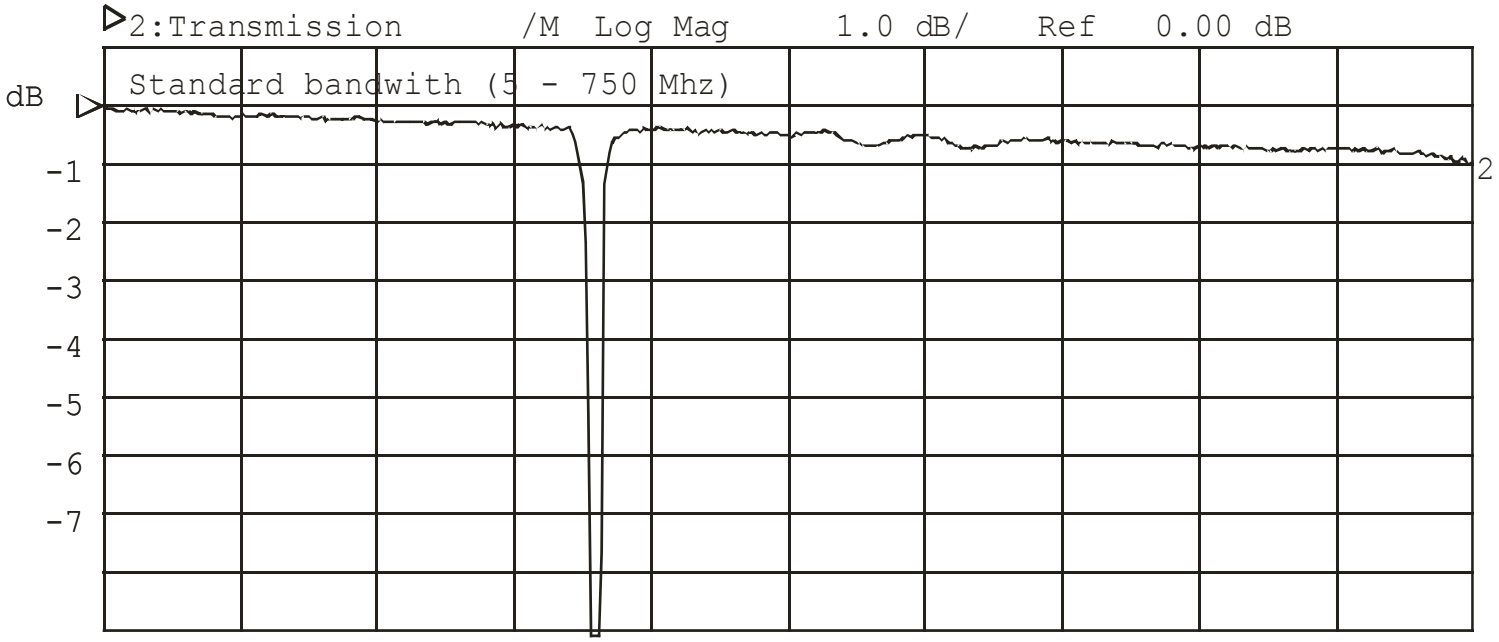




1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1:	163.2500	-63.489	
2:	167.7500	-54.606	
3:	161.7500	-3.191	
4>	169.2500	-3.153	

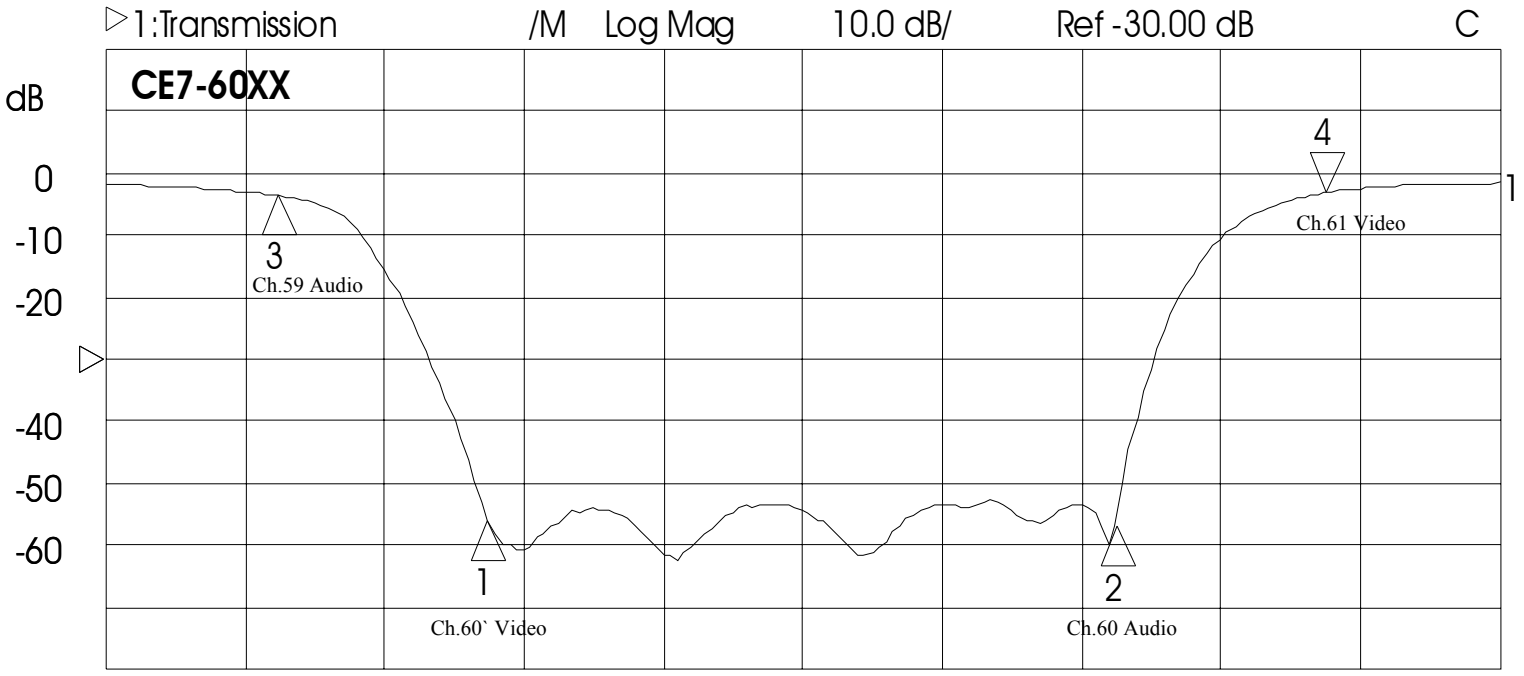
Graph #2: CE7-ch.C32 - Superband channel frequency response



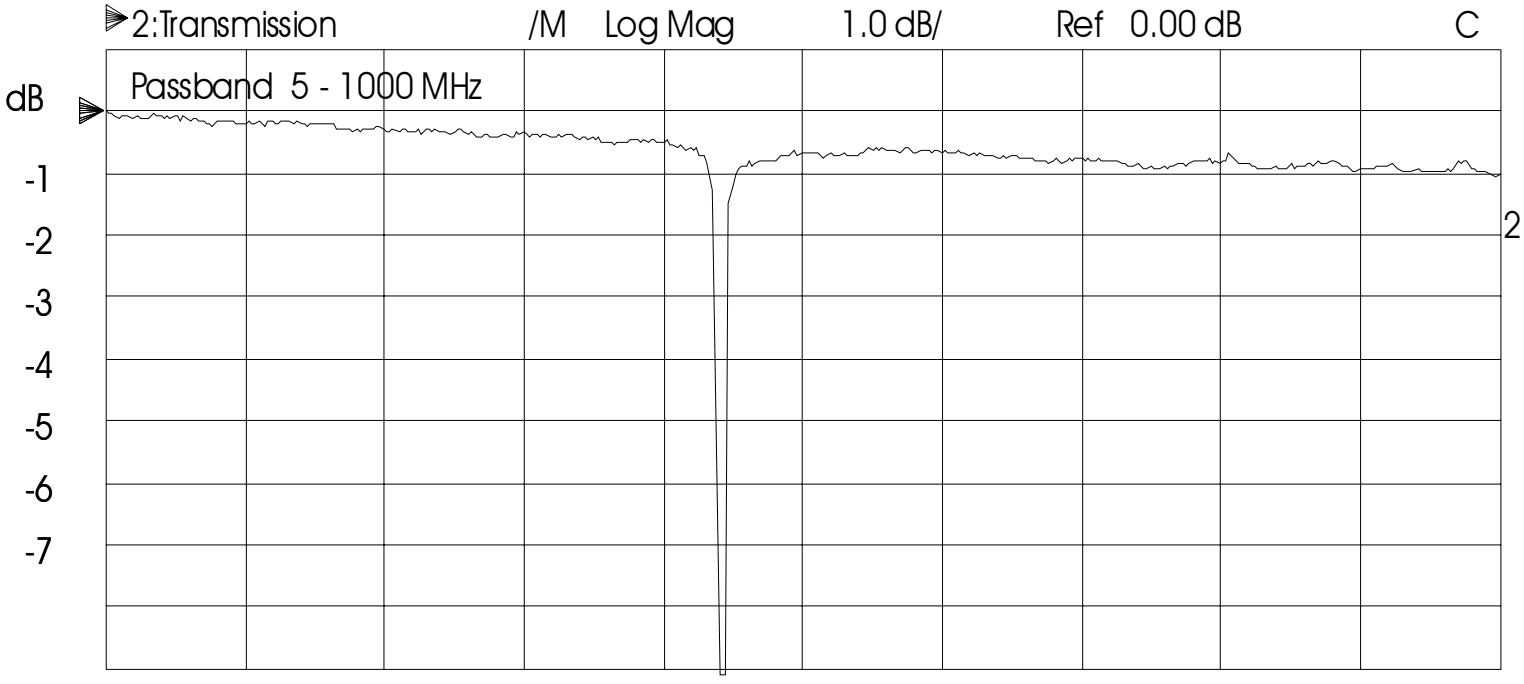


1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1:	271.2500	-62.834	
2:	275.7500	-60.816	
3:	265.2500	-1.031	
4:	269.7500	-3.382	
5:	277.2500	-2.846	
6>	281.7500	-0.696	

Graph #3: CE7-ch.C60 - Hyperband Channel frequency response



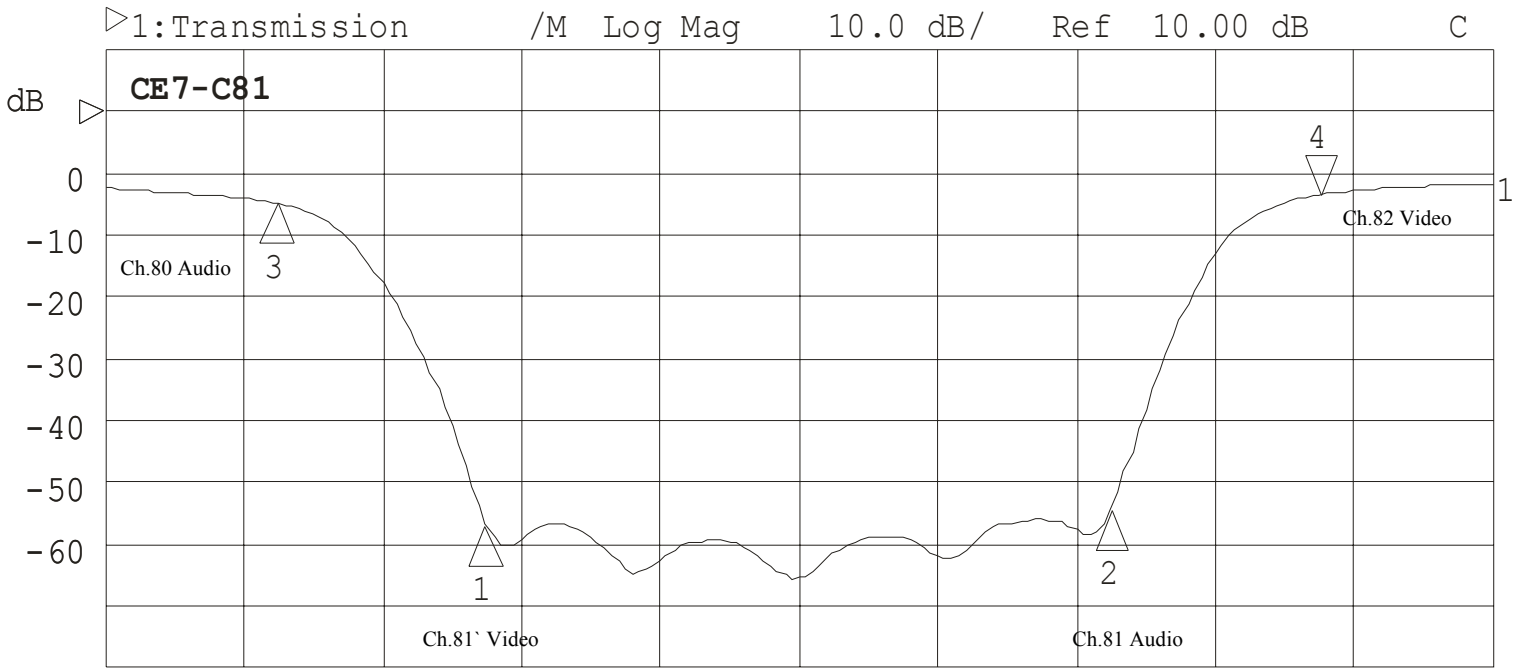
Center 441.500 MHz Span 10.000 MHz

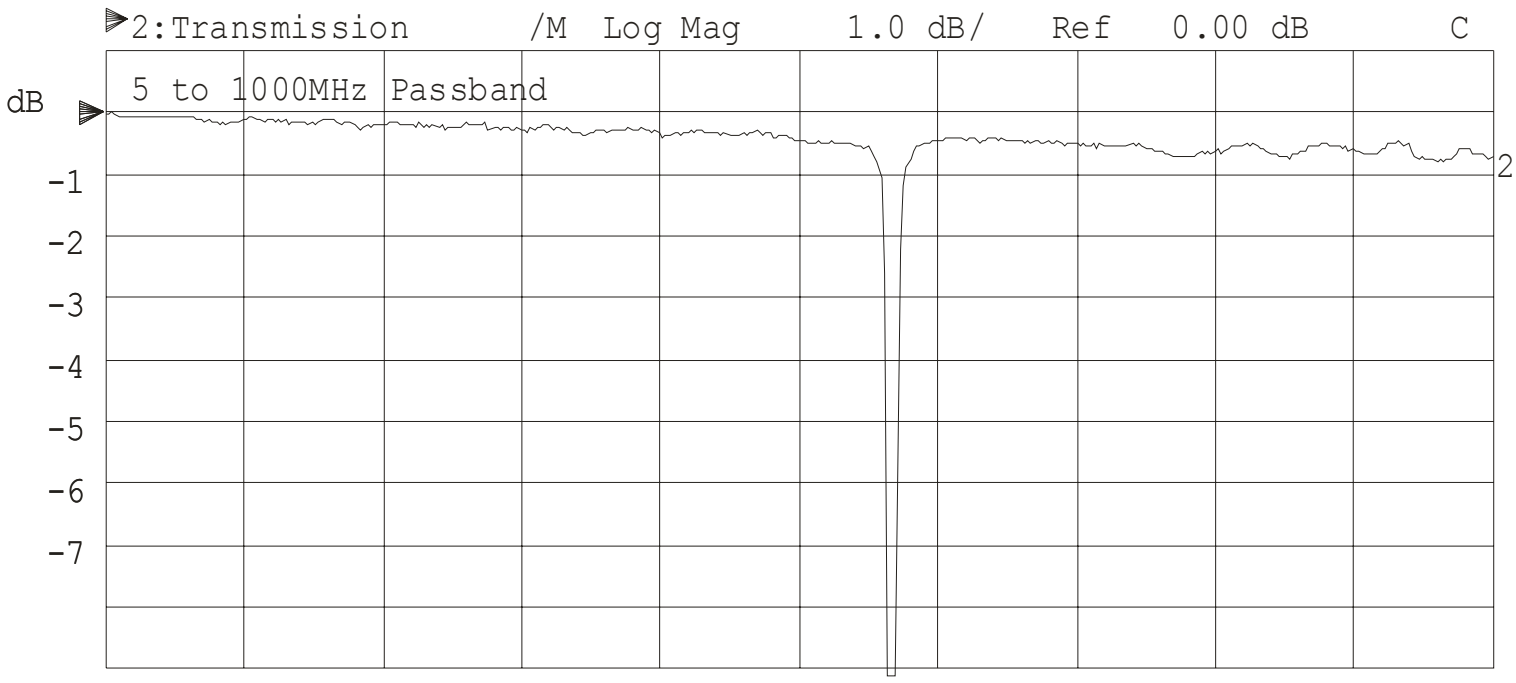


Start 0.300 MHz Stop 1 000.000 MHz

1:Mkr (MHz) dB	2:Mkr (MHz) dB
1: 439.2500 -56.147	
2: 443.7500 -57.084	
3: 437.7500 -3.738	
4> 445.2500 -3.100	

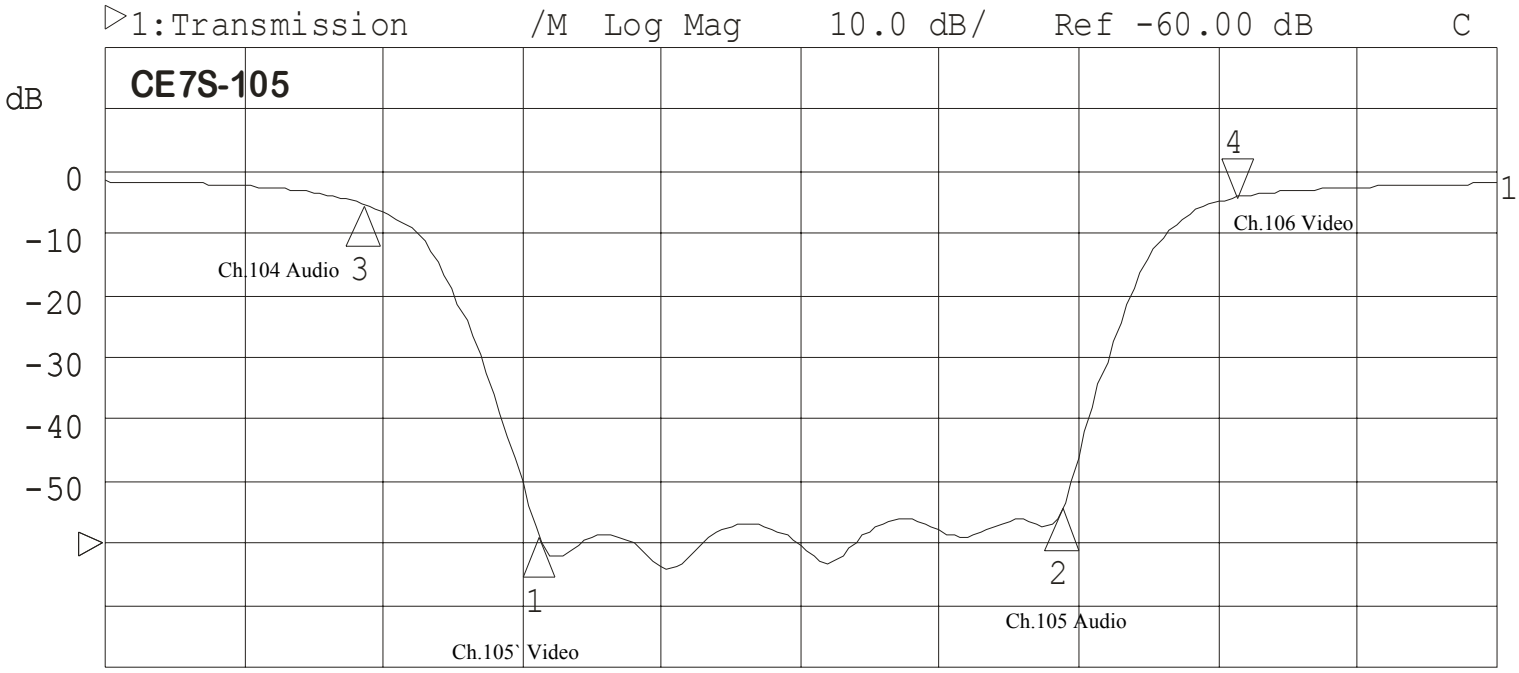
Graph #4: CE7-ch.C80 - Hyperband Channel frequency response



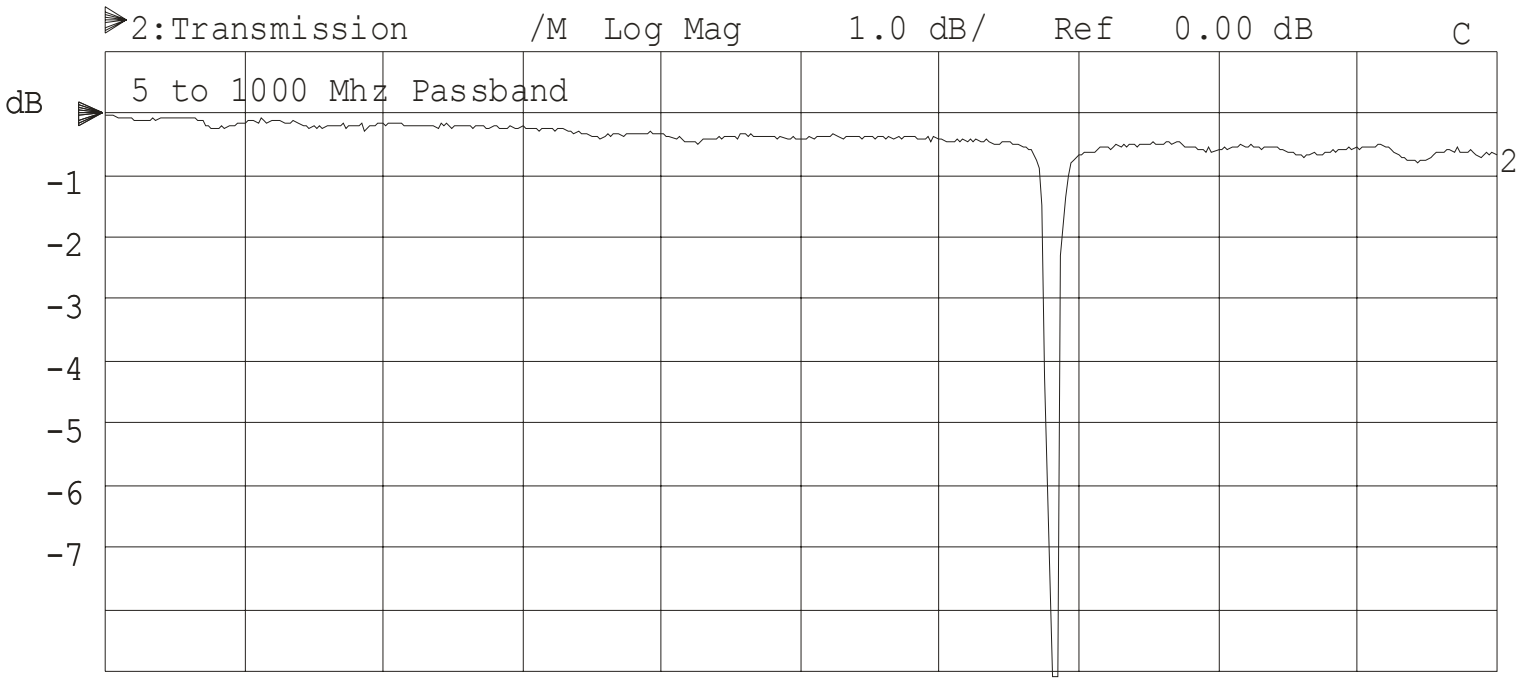


1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1:	565.2500	-56.783	
2:	569.7500	-54.617	
3:	563.7500	-4.708	
4>	571.2500	-3.603	

Graph #5: CE7-ch.C105 - Hyperband Channel Frequency Response



Center 681.500 MHz Span 12.000 MHz



Start 0.300 MHz Stop 1 000.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1:	679.2500	-58.765	
2:	683.7500	-54.736	
3:	677.7500	-5.450	
4>	685.2500	-4.261	