Amplifiers

SEQ409 Slope Equalizer

APPLICATION

SITUATION

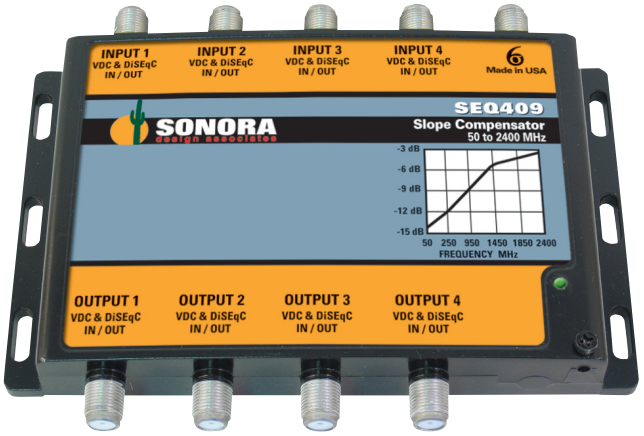
The ***DIRECTV®*** (4) polarity AU9S dish signals traveling through extended lengths of coax cable have higher loss at high frequencies.

SOLUTION

Model **SEQ409** attenuates the lower frequency signals the equivalent of 150 feet of RG-6 coax cable recreating a flat frequency spectrum.

RELATED CONSIDERATIONS

Signals originating from different satellites have power level differences. Model **SEQ409** may be used to attenuate the lower Ka band of the ***DIRECTV®*** spectrum.



DESCRIPTION

DIRECTV® (5) LNB, **AU9S** slope compensator.

FEATURES

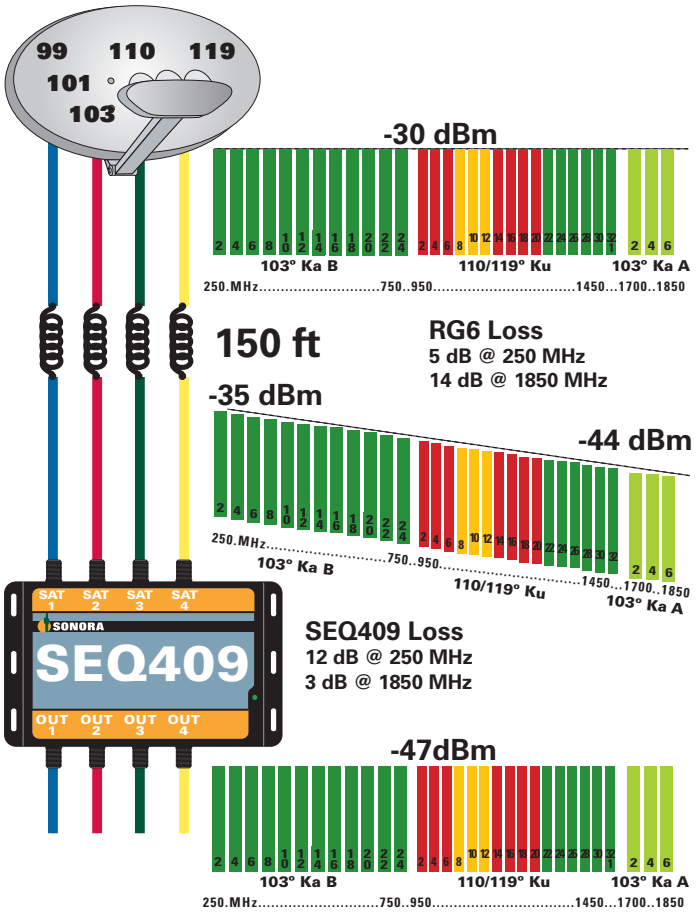
- ***DBS Compatibility . . . . . .5 LNB DIRECTV®***
- ***22 kHz & DC passive . . . . . .use with line amplifiers***
- ***Coax Cable Compensation. . . . . .150 feet RG-6***
- ***Indoor / Outdoor case. . . . . .Die cast Aluminum***

APPLICATION NOTES

Model **SEQ409** provides 12 dB of attenuation at 250 MHz and 3 dB of attenuation at 1850 MHz to equalize coax cable loss.

Model **SEQ409** equalizes the lower Ka / Ku frequency bands for maximum output from amplifiers. The lower Ka band is reduced 7 dB from 250 MHz to 1450 MHz.

Amplifiers produce a higher output with less distortion when presented an equalized input.



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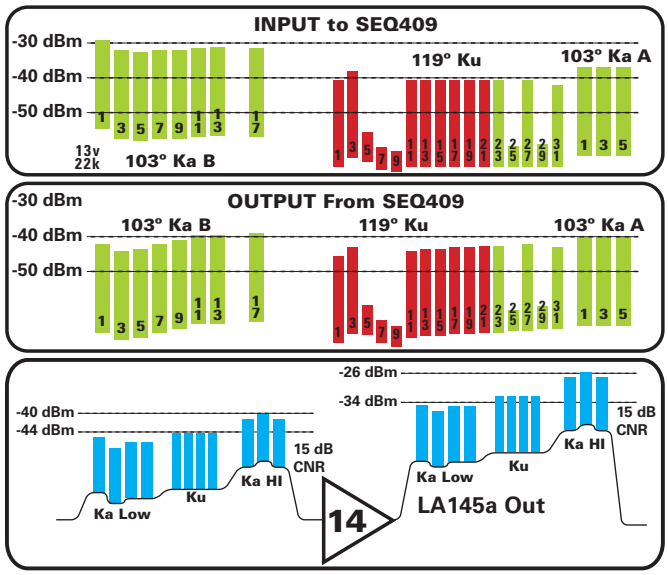
Amplifiers



Model **SEQ409** is used to reduce the lower Ka signal levels to obtain the maximum un-distorted output from model **LA145a** amplifier.

The lower Ka signals originate from the AU9S a full 10 dB higher than the Ku signal at 1450 MHz.

Slope compensation in the **SEQ409** and **LA145a** create a positively slope signal for distribution.

SPECIFICATIONS

Specifications	Typical	QC Limit
Inputs / Outputs	(4) @ 5 to 2400 MHz	
Return Loss 54-2400 MHz	15 dB	12 dB
Power Specifications		
DC Passive	All ports, 2 Amp	
Insertion Loss		
50 MHz	13 dB	14 dB
250 MHz	12 dB	13 dB
950 MHz	8 dB	9 dB
1450 MHz	5 dB	6 dB
1850 MHz	3 dB	4 dB
2150 MHz	3 dB	4 dB
2400 MHz	3 dB	4 dB
Mechanical Specifications		
Dimensions	9.5"L x 5.5"W x 7/8"H	
Weight	1.5 lb (0.7 kg)	
Master Carton (45 units)	19" x 15" x 6"	
Master Carton Weight	46 lb. (21 kg)	
Environmental Specifications		
Operating Environment:	Indoor/Outdoor	
Ambient Temperature	-30° C to +70°C	

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