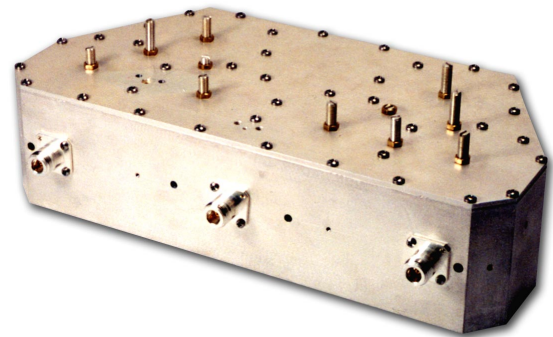


# WSC2-00026 — CDMA 1X 2-Way AMPS Filter Combiner

## ◆ Features:

- Advanced Ceramic Design
- Very Low Loss – 0.3 dB per Channel Typical
- Spacing, Channel-to-Channel – 5.0 MHz, center-to-center
- High Channel-to-Channel Isolation – >20 dB typical
- High Power Handling – 200 watts CW per Channel

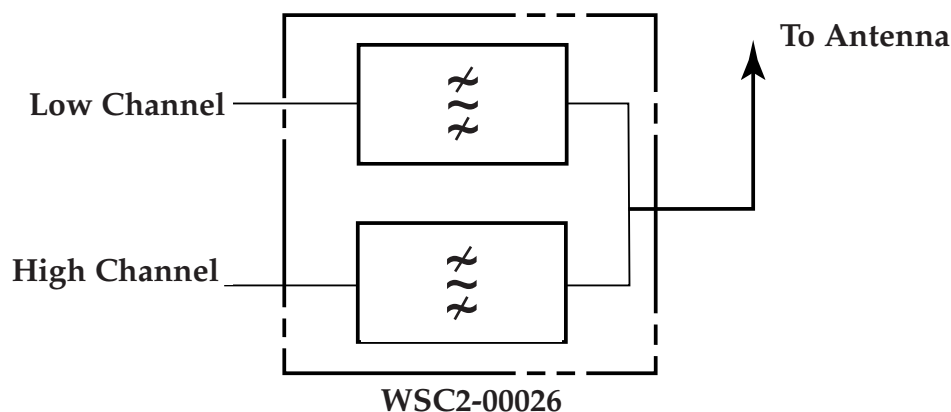


## ◆ Specifications:

Minimum Tuning Range:	869-894 MHz	Passband Power Handling:	
Tuning Method:	Mechanically Tunable, Factory Set	CW	100 watts
Channel Passband:	3.75 MHz minimum	Peak Instantaneous	4000 watts
Passband Insertion Loss:	0.75 dB maximum	Third Order Intermodulation:	-90 dBm max. at antenna port with two +44 dBm tones input at Tx inputs.
Passband Loss Flatness:	0.4 dB p-p maximum	Dimensions:	13"W x 6.25"D x 3.75"H (330.2 x 158.8 x 95.3mm)
Passband Group Delay Variation:	180 nS p-p maximum	(excluding connectors)	
Passband Return Loss (all ports):	14 dB minimum	Connectors:	N-F
Spacing, Channel to Channel:	5.0 MHz minimum center-to-center	Operating Temperature Range:	-10 to +65°C
Tx Input to Antenna Rejection:		Operating Humidity Range:	0 to 90%, non-condensing
DC-837 MHz	-55 dBc minimum	Storage Temperature Range:	-40 to +85°C
837-849 MHz	-42 dBc minimum		
Passband to Passband Isolation:	15 dB minimum		

## ◆ Applications:

- Combines Two 1X (3.75 MHz) Carriers
- Can Combine up to Six IS-95A/B (1.25 MHz) Carriers
- Can be Configured to Combine Two WCDMA (3.84 MHz) Carriers
- Co-Site Multi-Provider Operation
- Test Applications



Filtering Solutions for Your Global Market

### USA

Phone: 410-749-2424  
FAX: 410-749-5725  
Email: sales@klmicrowave.com

### EUROPE

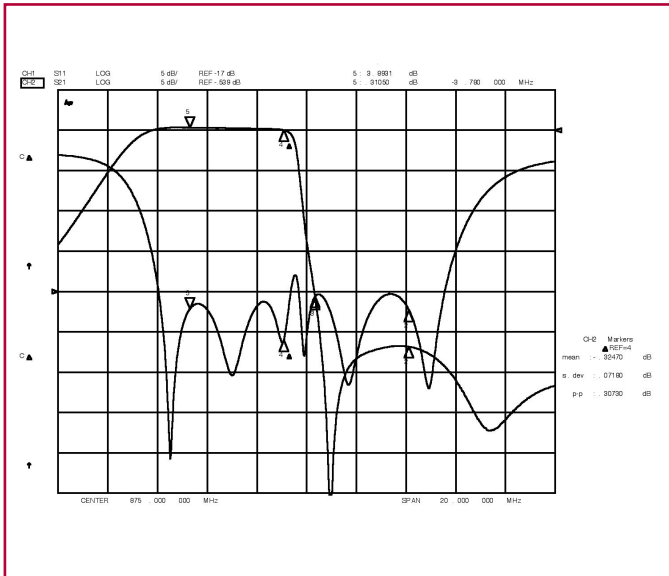
Phone: +44-(0)-1908-547920  
FAX: +44-(0)-1908-695284  
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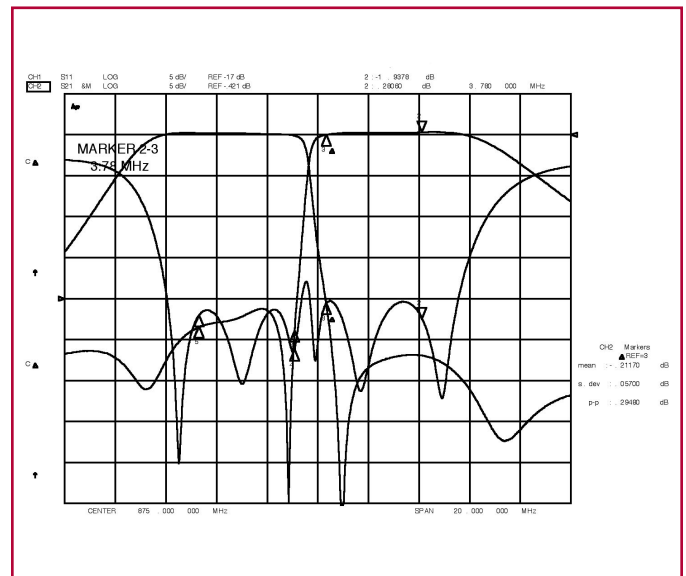


# WSC2-00026 — CDMA 1X 2-Way AMPS Filter Combiner

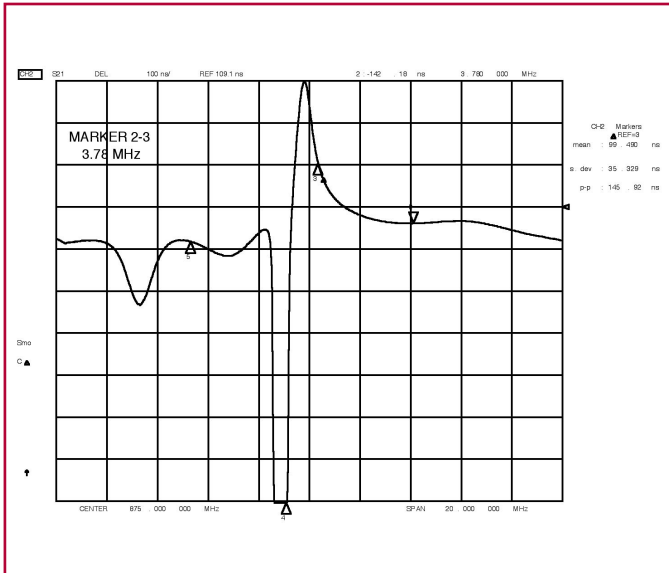
## ◆ Test Data:



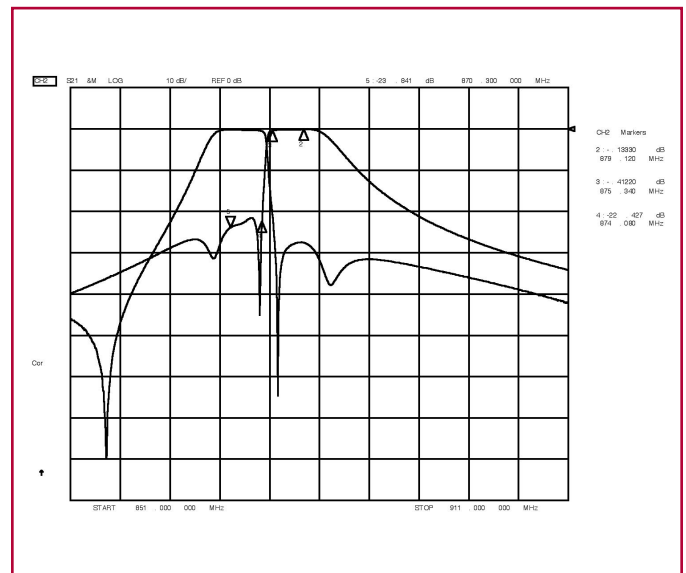
Low Channel  $S_{11}$  &  $S_{21}$  Response



High Channel  $S_{11}$  &  $S_{21}$  Response



High Channel  $S_{21}$  Delay



Broadband Response

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**EUROPE**  
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