

WSD-00242 Cellular CDMA/GSM Crossband Coupler

◆ Features:

- High Isolation — 75 dB typical
- Low Insertion Loss — 0.5 dB typical
- High Power Handling
 - 200 watts CW
 - 4000 watts peak

◆ Specifications:

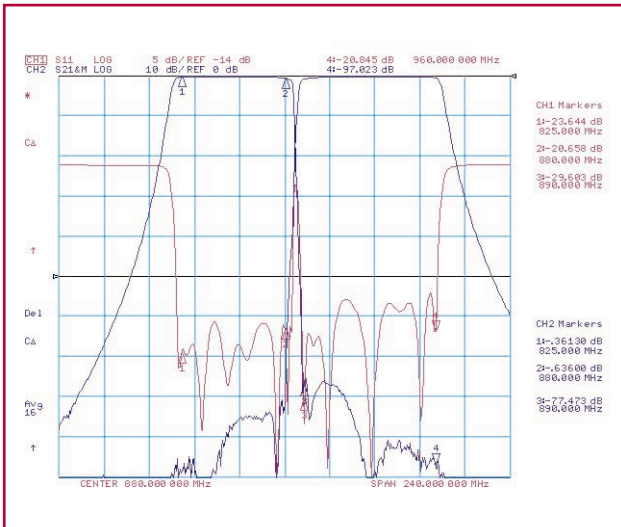
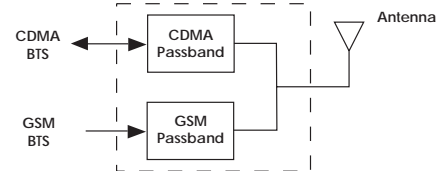
Passbands:	
CDMA	825-880 MHz
GSM	890-960 MHz
Passband Insertion Loss:	
CDMA	0.9 dB maximum
GSM	0.8 dB maximum
Insertion Loss Flatness:	
CDMA	0.7 dB p-p maximum
GSM	0.6 dB p-p maximum
Passband Return Loss:	14 dB minimum
CDMA to Antenna Rejection:	
DC-785 MHz	60 dB minimum
890-2170 MHz	70 dB minimum
GSM to Antenna Rejection:	
DC-880 MHz	65 dB minimum
1030-2170 MHz	60 dB minimum



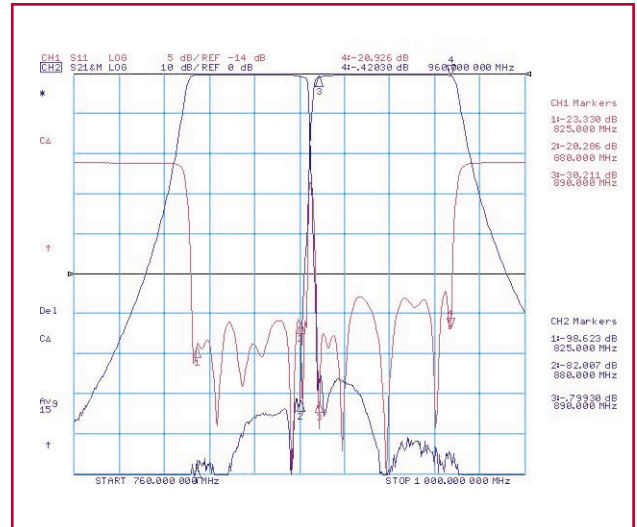
Passband to Passband Isolation:	
CDMA to GSM	65 dB minimum (825-880 MHz)
GSM to CDMA	70 dB minimum (890-960 MHz)
Maximum Power Handling:	
CW	200 watts
Peak Instantaneous	4000 watts
Intermodulation Products:	-100 dBm max. with 2 tones at 10 watts CW each, both input into CDMA or GSM passbands, measured within the passband of the unused port, with the antenna port terminated into 20 dB min. return loss load.
Operating Temperature:	-10 to +60°C
Storage Temperature:	-40 to +85°C
Operating Humidity:	0 to 90%, non-condensing
Dimensions: (excluding connectors)	300 L x 203 W x 76.2mm H
Connectors:	
CDMA	N-F
GSM/Antenna:	7/16-F

◆ Applications:

- Co-Located CDMA/GSM Systems
- Tunnel or remote location CDMA/GSM Coupling
- Dual Band Base Station or Handset Testing



CDMA Passband Response



GSM Passband Response



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