

Monolithic Block Duplexer Specification

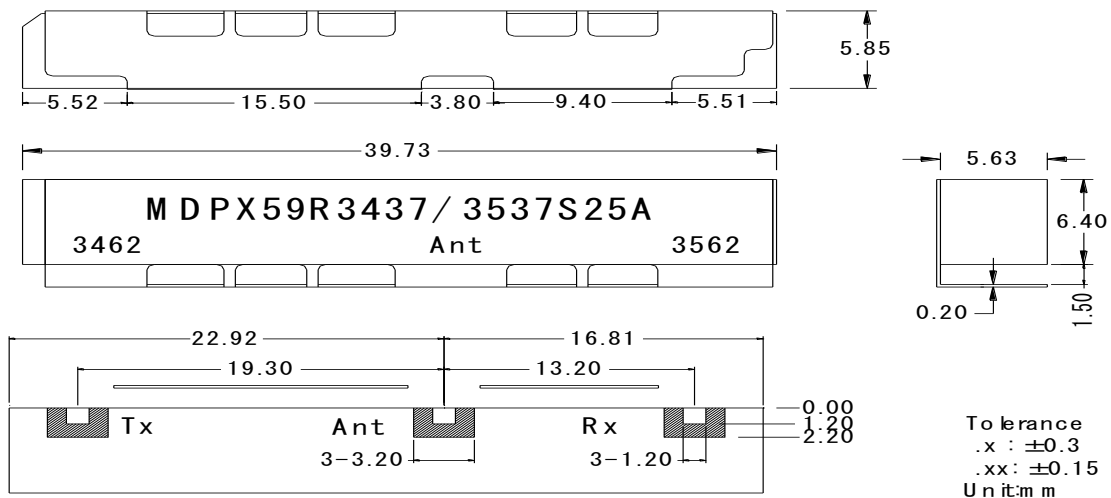
3.5GHz RU Duplexer (3425-3450 Band, Reversed Tx/Rx)

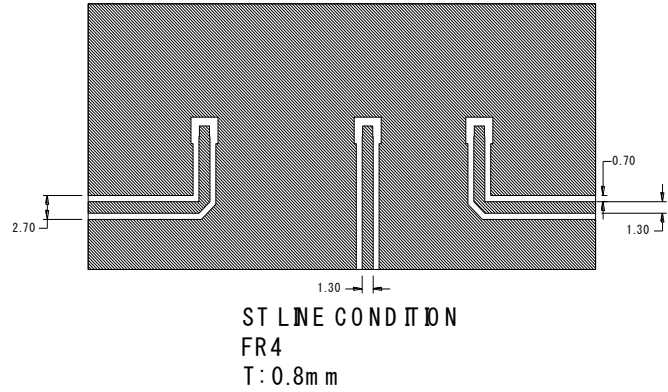
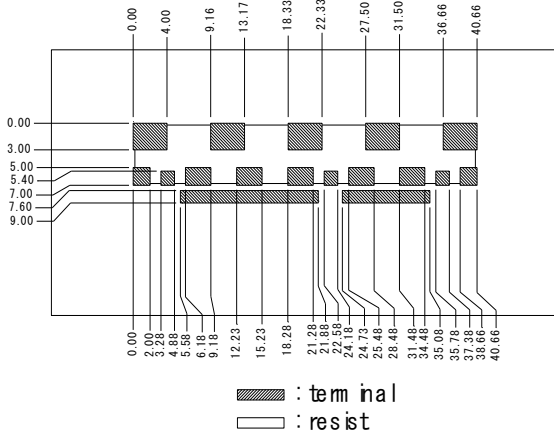
Part No: DNM3437-3537-25A1
 Date: 11/3/2004

1. Properties:

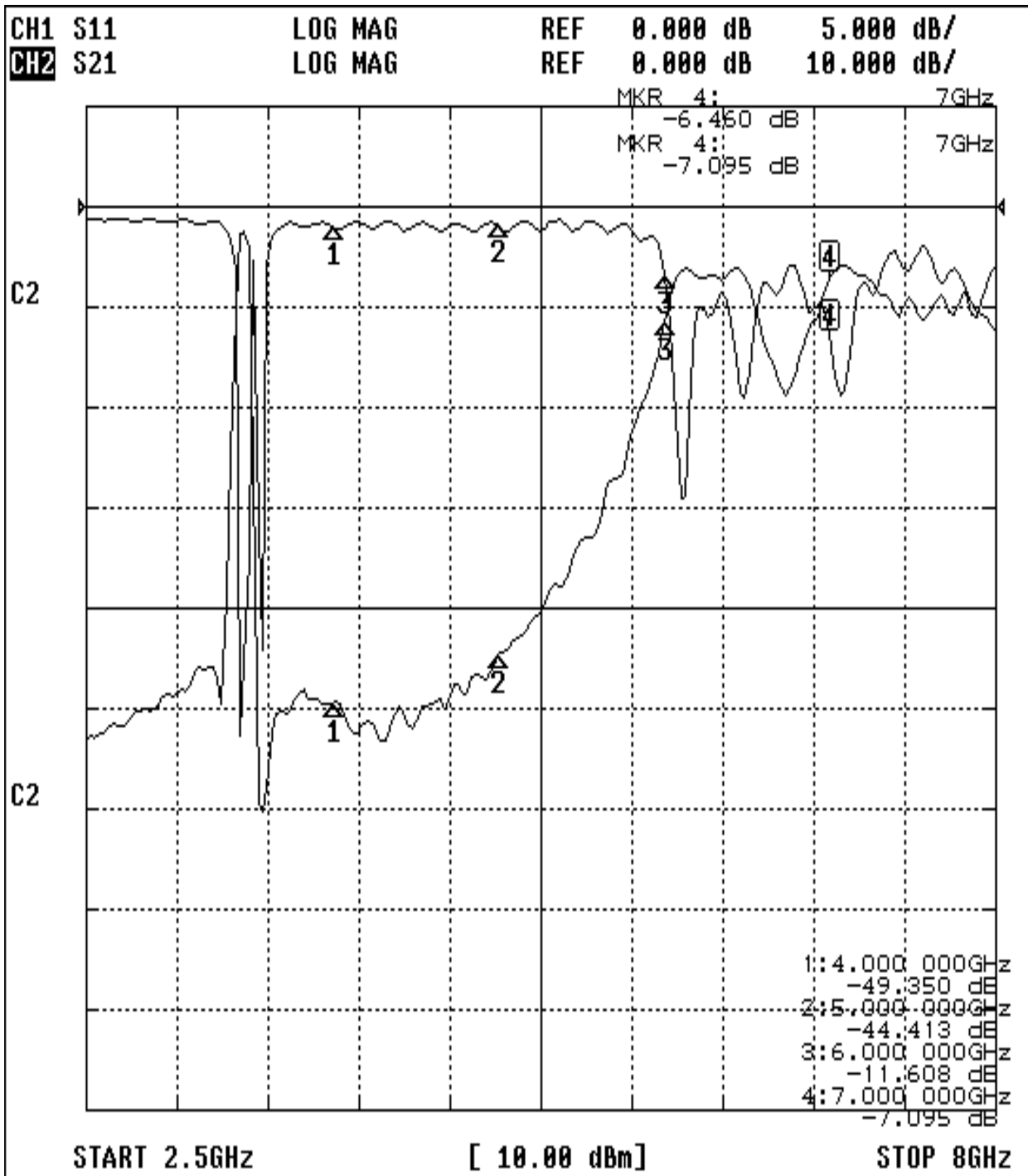
No.	Characteristics	Unit	Tx → ANT	ANT → Rx
1	Center Frequency (F ₀)	MHz	3437.5	3537.5
2	Bandwidth	MHz	F ₀ +/- 12.5	F ₀ +/- 12.5
3	Insertion Loss in BW (max.)	dB	3.0	3.0
4	Ripple in BW (max.)	dB	0.7	0.7
5	V.S.W.R in BW (max.)	dB	1.7	1.7
6	Attenuation (min.)	dB	35 @ <2475 MHz	35 @ <2475 MHz
			45 @ 2770-2971 MHz	40 @ 2824-3067 MHz
			40 @ 3097-3211 MHz	30 @ 3403-3430 MHz
			35 @ 3525-3550 MHz	35 @ 3425-3450 MHz
			35 @ 3975-4975 MHz	35 @ 3975-4975 MHz
7	Tx - Rx Isolation (min.)	dB	50 (3525-3550) - (3425-3450)	
8	In/Out Impedance	Ohm	50	50
9	Operation Temperature	C	-45 to +70	

2. Dimension:

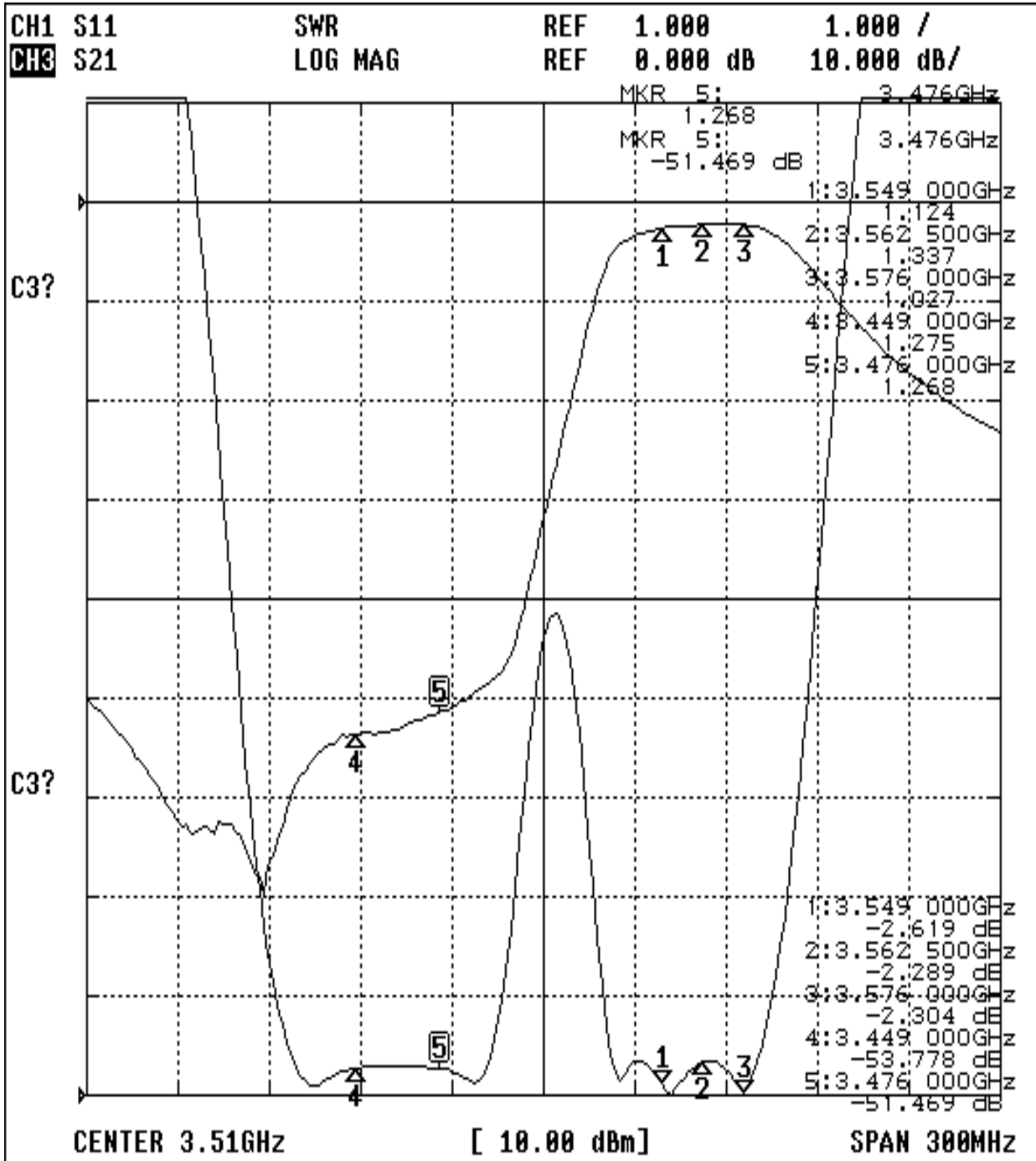


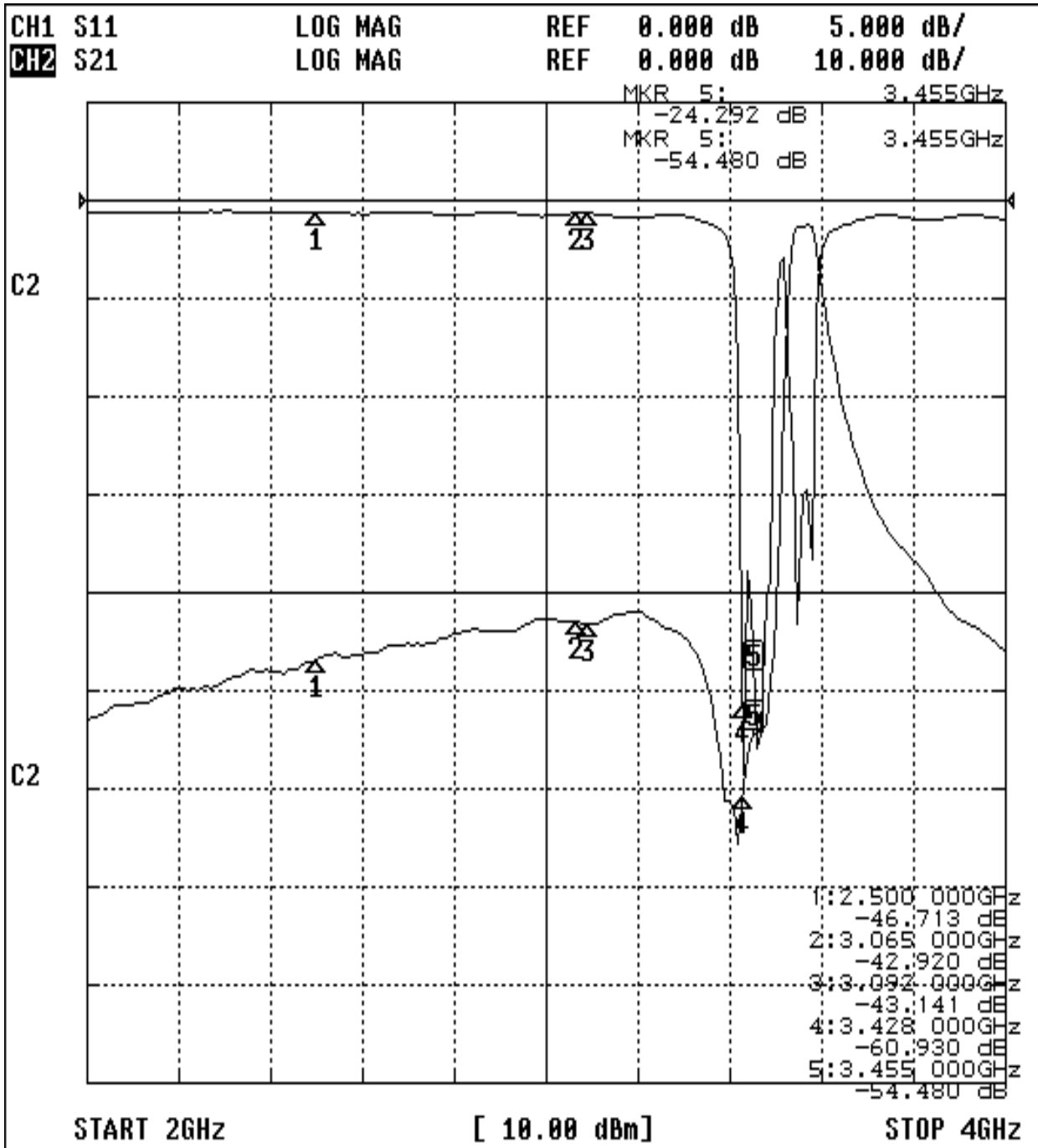


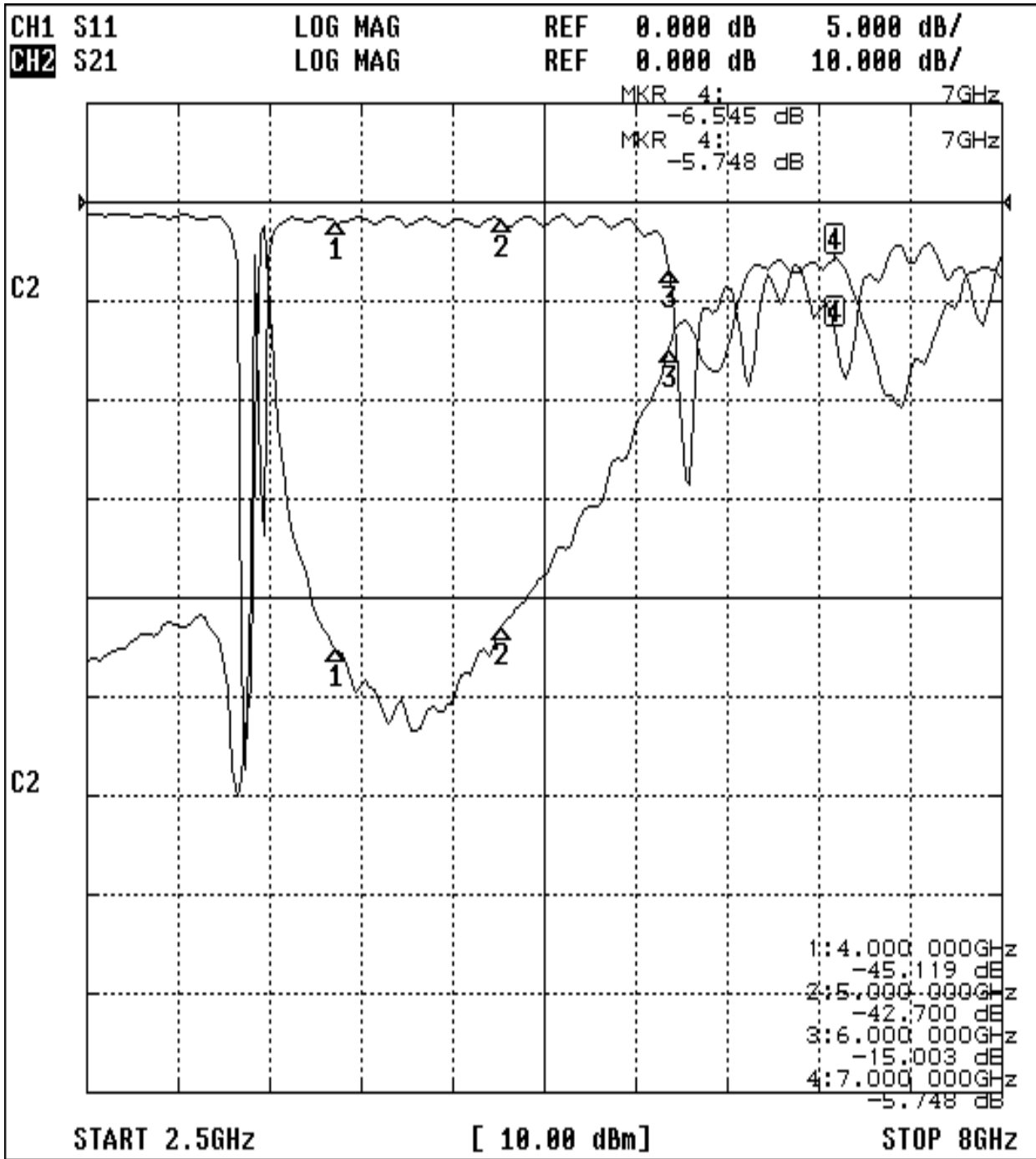
Recommended PCB Layout For MCV Technologies Inc.



ANT -> Rx







Tx - Rx Isolation

