

Monolithic Block Duplexer Specification

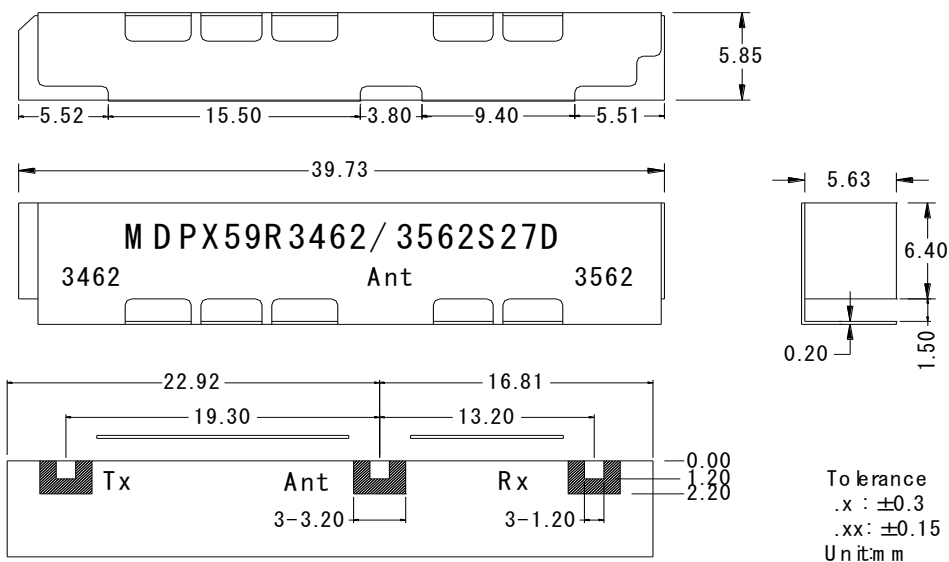
3.5GHz RU Duplexer (B-Band Short Term, Reversed Tx/Rx)

Part No: DNM3462-3562-27B2
 Date: 8/27/2002

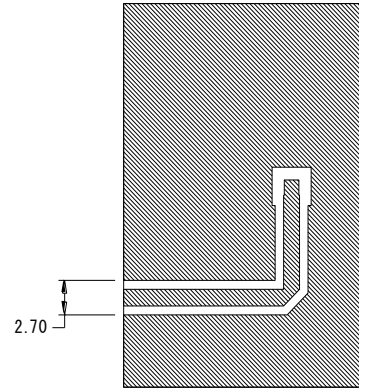
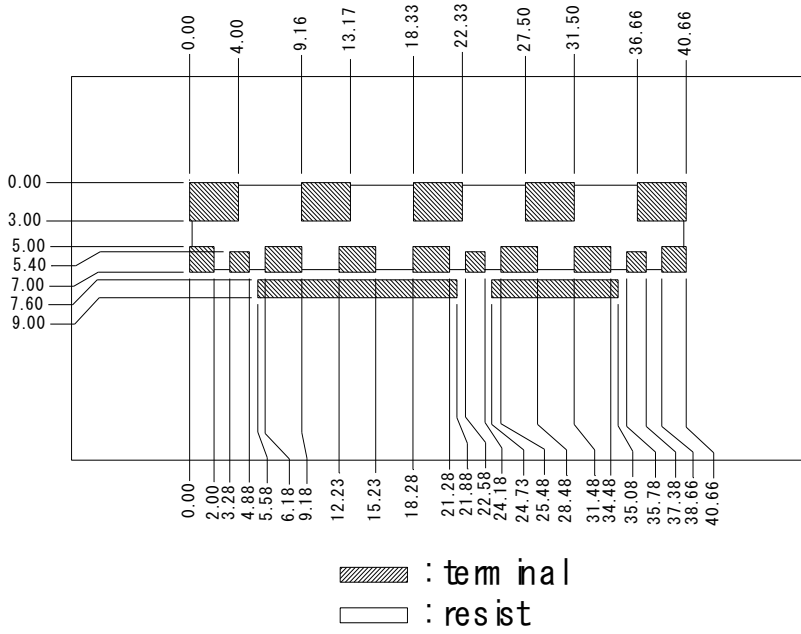
1. Properties:

No.	Characteristics	Unit	Tx → ANT	ANT → Rx
1	Center Frequency (F ₀)	MHz	3462.5	3562.5
2	Bandwidth	MHz	F ₀ +/- 13.5	F ₀ +/- 13.5
3	Insertion Loss in BW (max.)	dB	3.0	3.0
4	Ripple in BW (max.)	dB	0.5	0.5
5	V.S.W.R in BW (max.)	dB	1.5	1.5
6	Attenuation (min.)	dB	35 @ <2500 MHz	35 @ <2500 MHz
			35 @ 2969 - 2996 MHz	35 @ 3065 - 3092 MHz
			30 @ 3209 - 3236 MHz	30 @ 3428 - 3455 MHz
			35 @ 3549 - 3576 MHz	35 @ 3499 - 3476 MHz
			35 @ 4000- 5000 MHz	35 @ 4000 - 5000 MHz
7	Tx - Rx Isolation (min.)	dB	45	
8	In/Out Impedance	Ohm	50	50
9	Operation Temperature	C	-45 to +70	

2. Dimension:



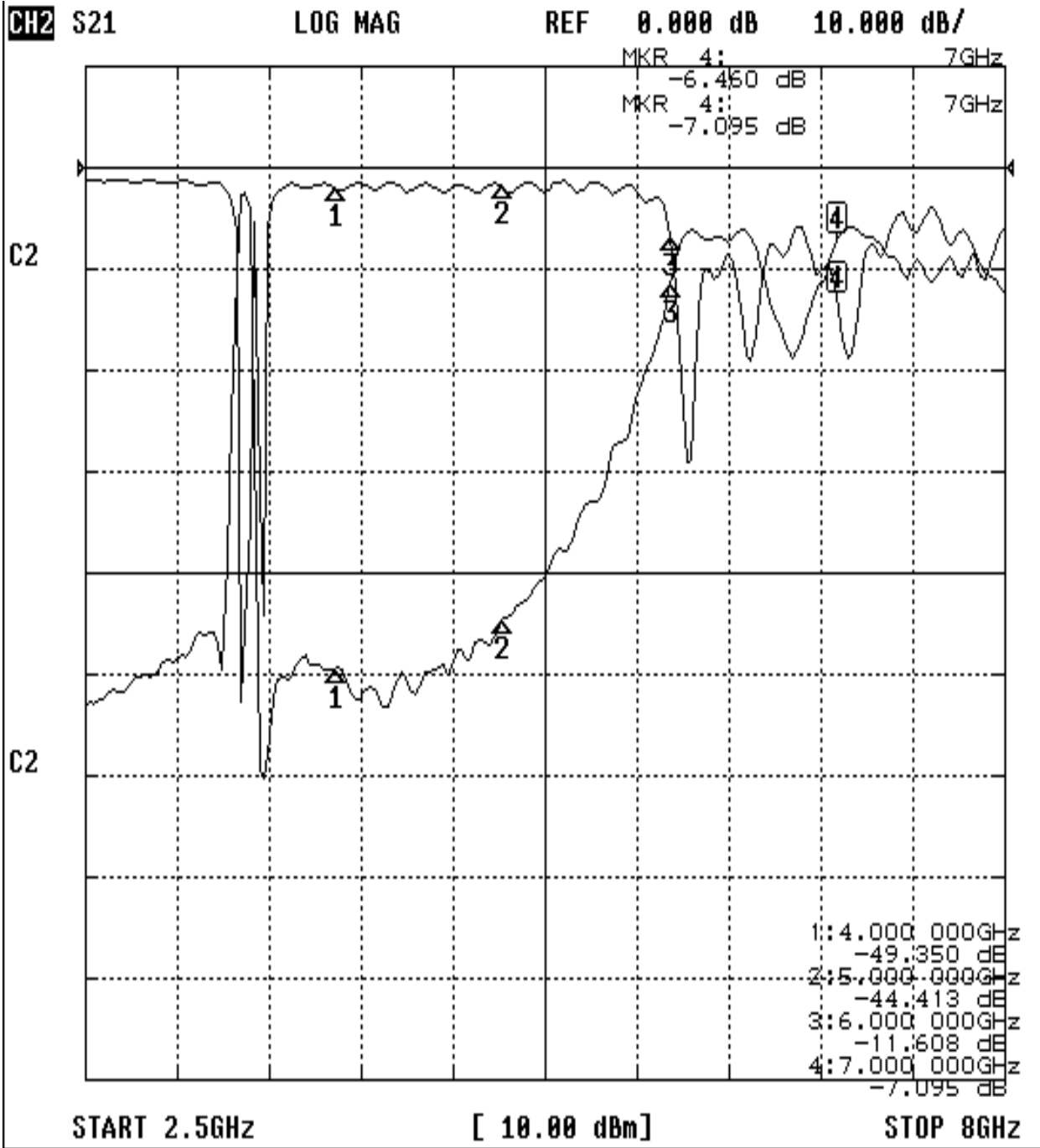
→



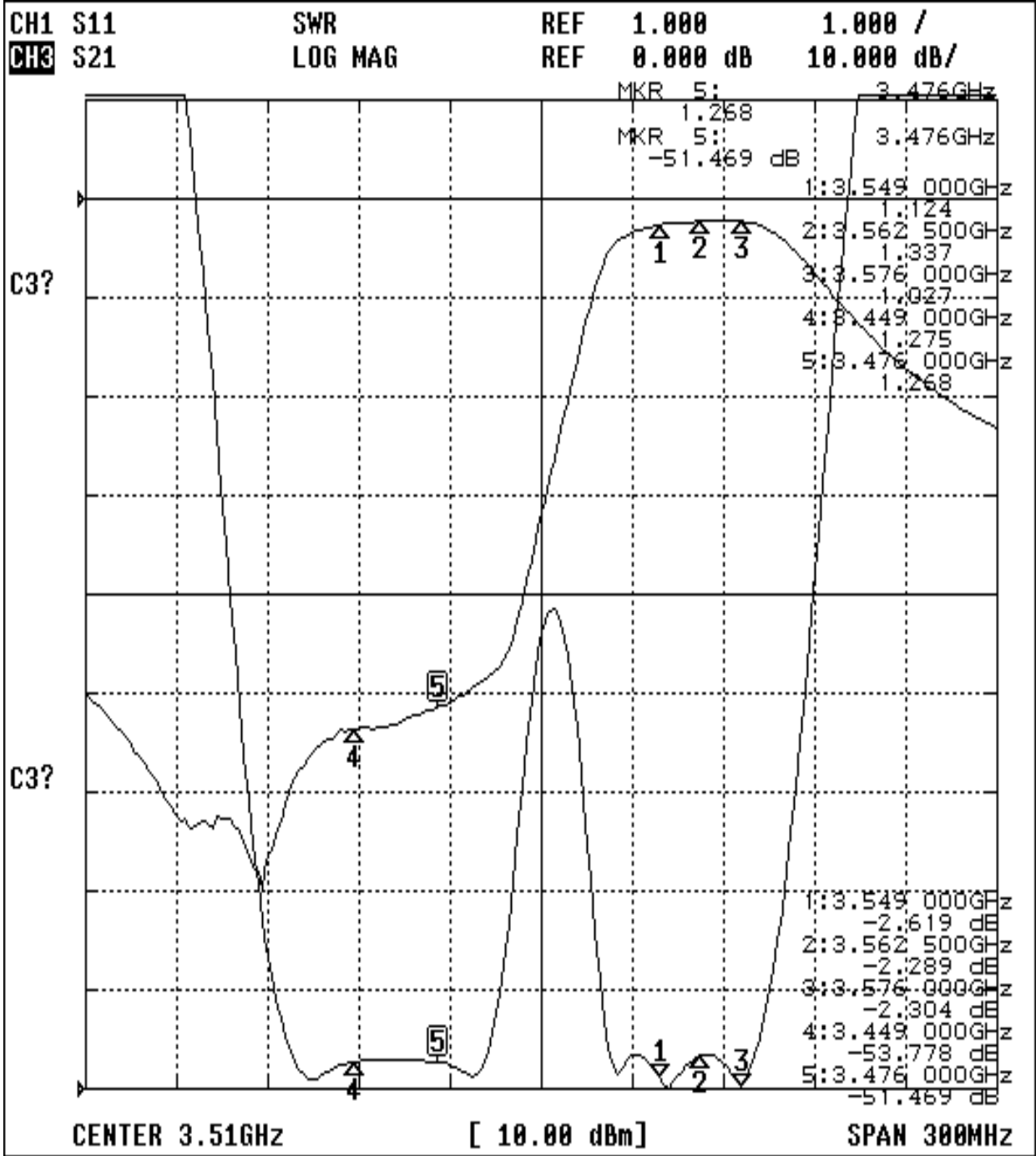
S
F
T

Recommended PCB Layout For MCV Technologies Inc. MDPX59R3462/3562S27

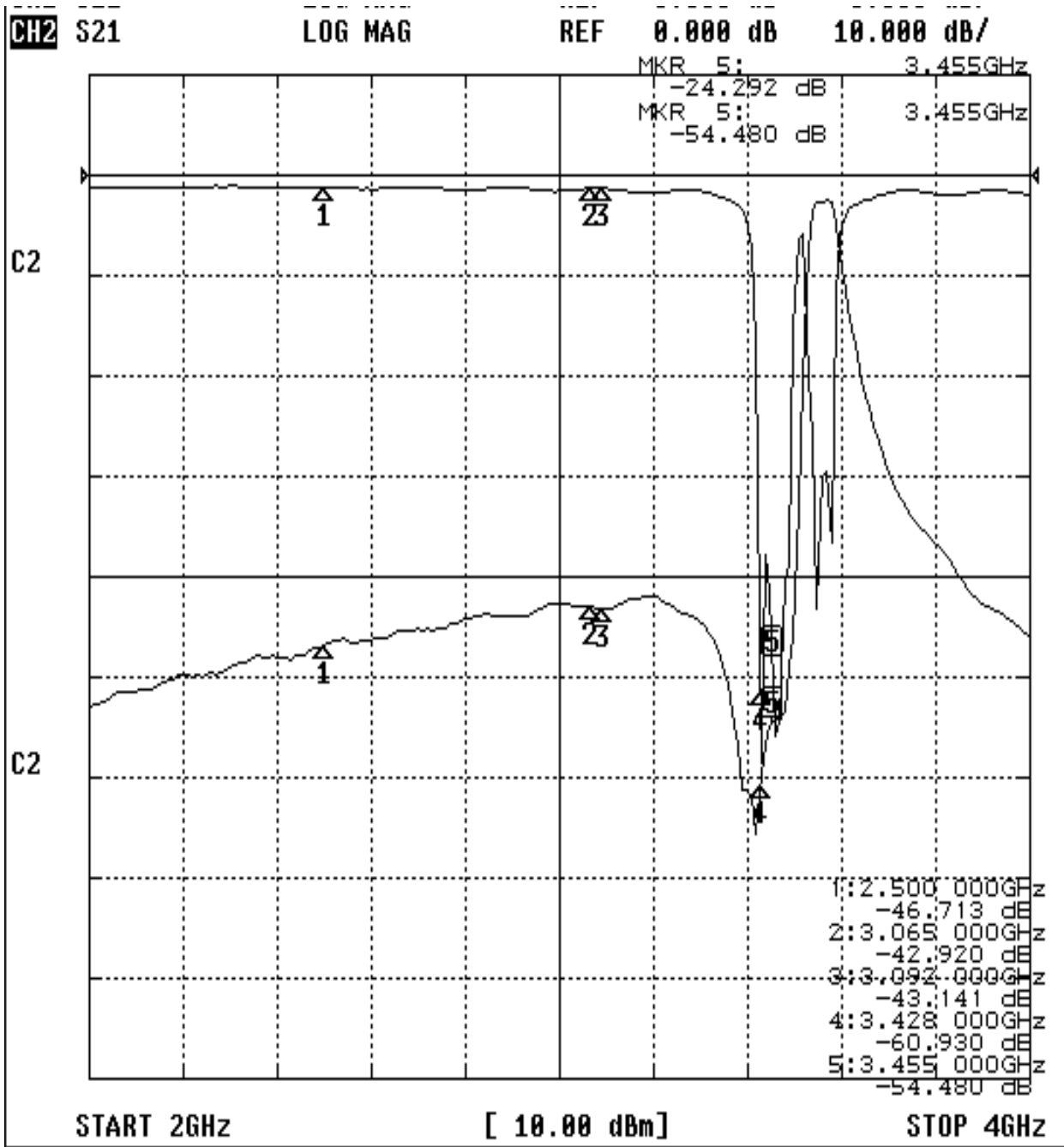
CH1 S11	LOG MAG	REF	0.000 dB	5.000 dB/
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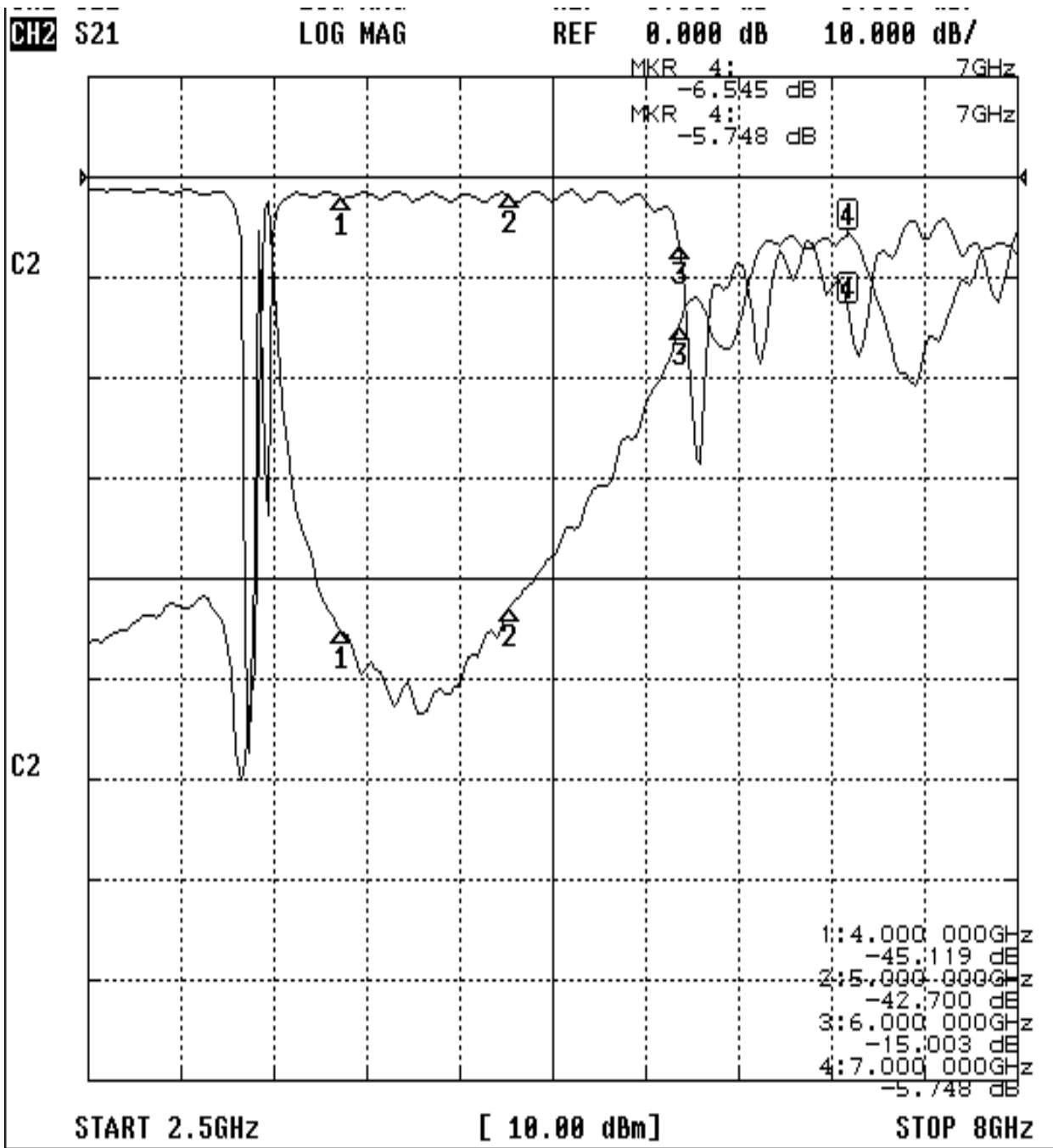


ANT → Rx

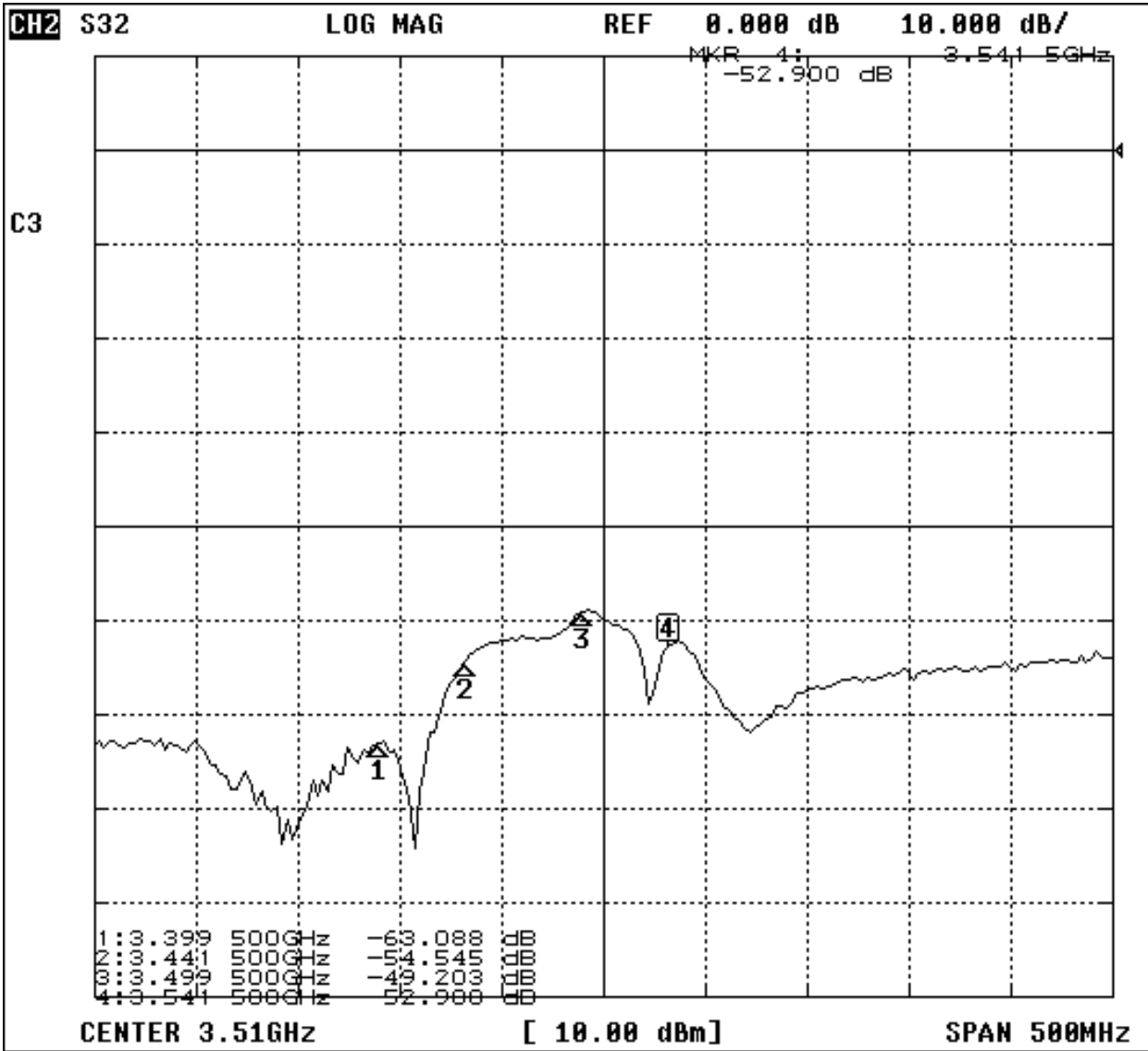


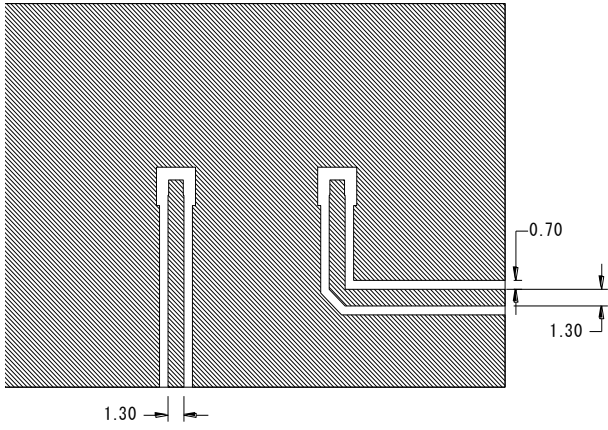
CH1 S11	LOG MAG	REF 0.000 dB	5.000 dB/
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Tx - Rx Isolation





ST LINE CONDITION

IR4

Γ : 0.8m m