

Monolithic Block Duplexer Preliminary Specification

(R4 Antenna Duplexer Band 3)

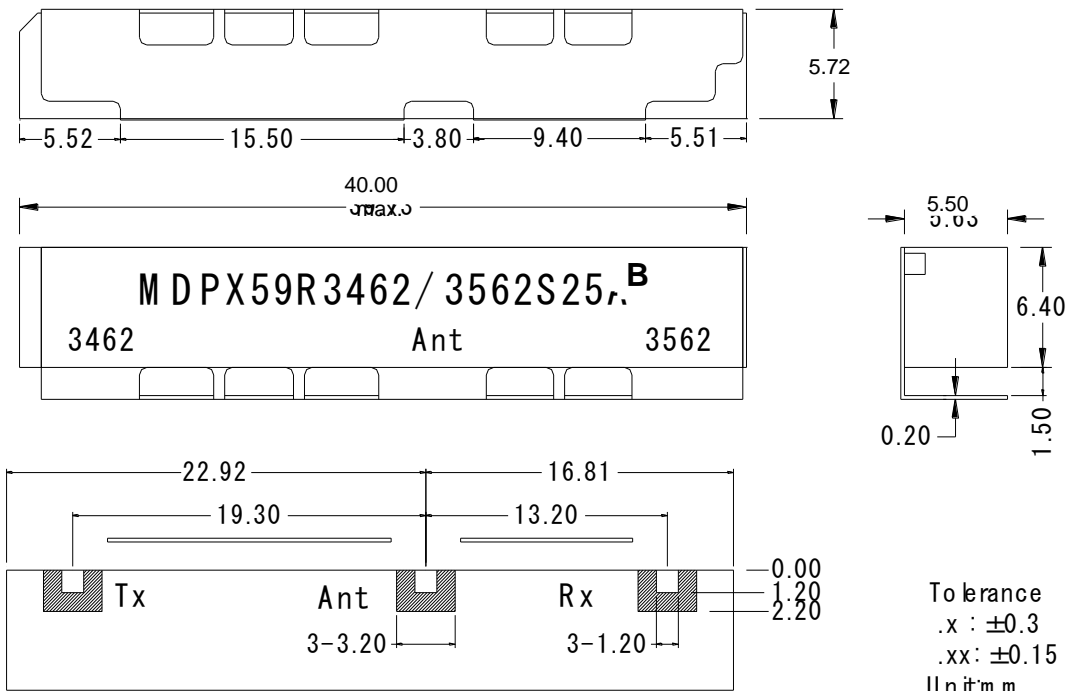
Part No: DNM3462-3562-25A2

Date: 02/07/03

1. Properties:

No.	Characteristics	Unit	Tx → ANT	ANT → Rx
1	Center Frequency (F ₀)	MHz	3462.5	3562.5
2	Bandwidth	MHz	3450-3475	3550-3575
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 @ 2804 - 2829 MHz	35 @ 2858 - 2883 MHz
			30 @ 3127 - 3152 MHz	35 @ 3377 - 3402 MHz
			27 @ 3521 - 3545 MHz	35 @ 3450 - 3475 MHz
			35 @ 3550 - 3575 MHz	20 @ 3724 - 3750 MHz
			35 @ 4000 - 5000 MHz	35 @ 4000 - 5000 MHz
			5 @ 6900 - 6950 MHz	
7	Tx - Rx Isolation (min.)	dB	51 (3450-3475) - (3550-3575)	
8	In/Out Impedance	Ohm	50	50
9	Operation Temperature	C	-40 to +85	

2. Dimension:



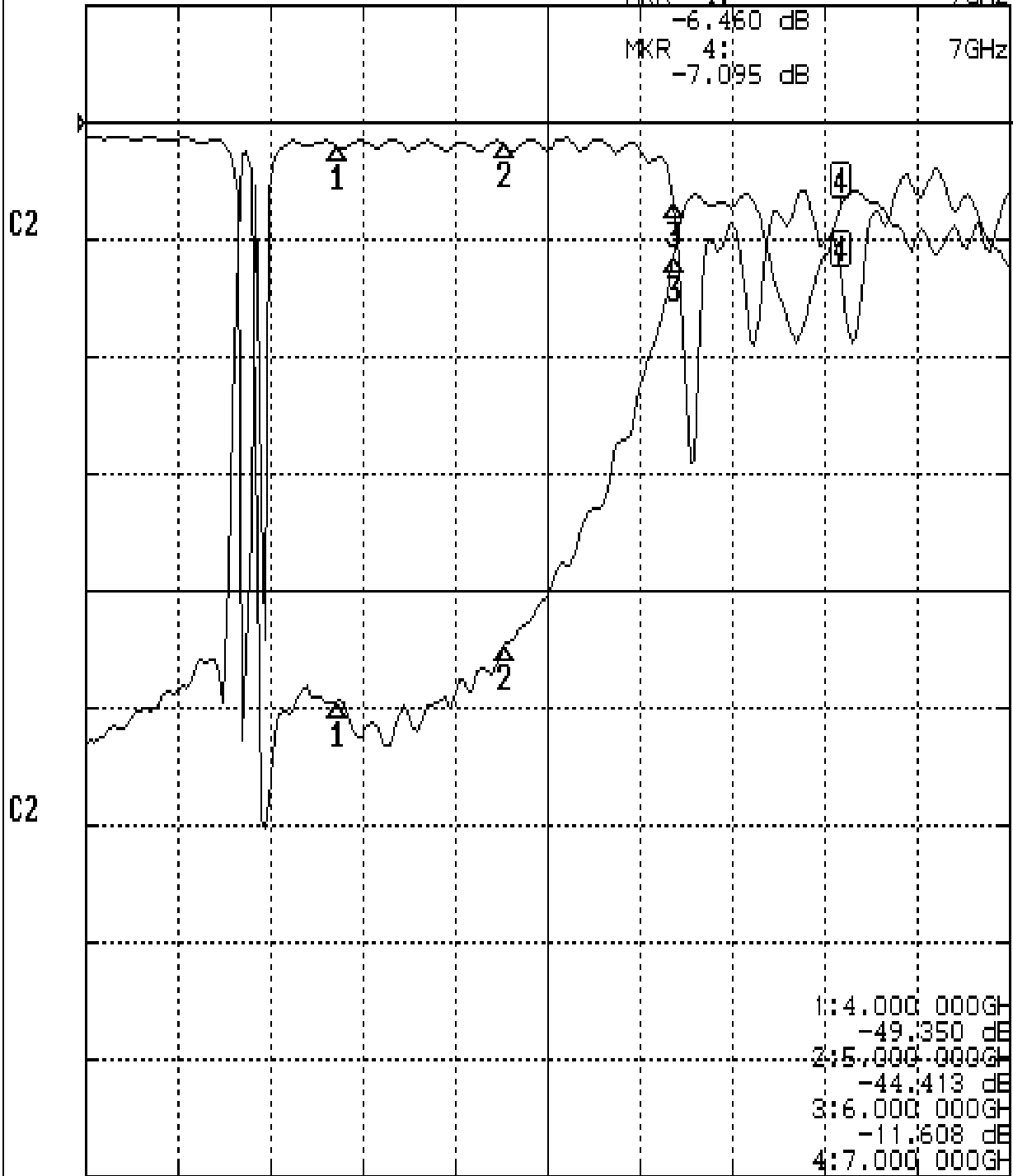
CH1 S11
CH2 S21

LOG MAG
LOG MAG

REF 0.000 dB
REF 0.000 dB

5.000 dB/
10.000 dB/

MKR 4: 7GHz -6.460 dB
MKR 4: 7GHz -7.095 dB

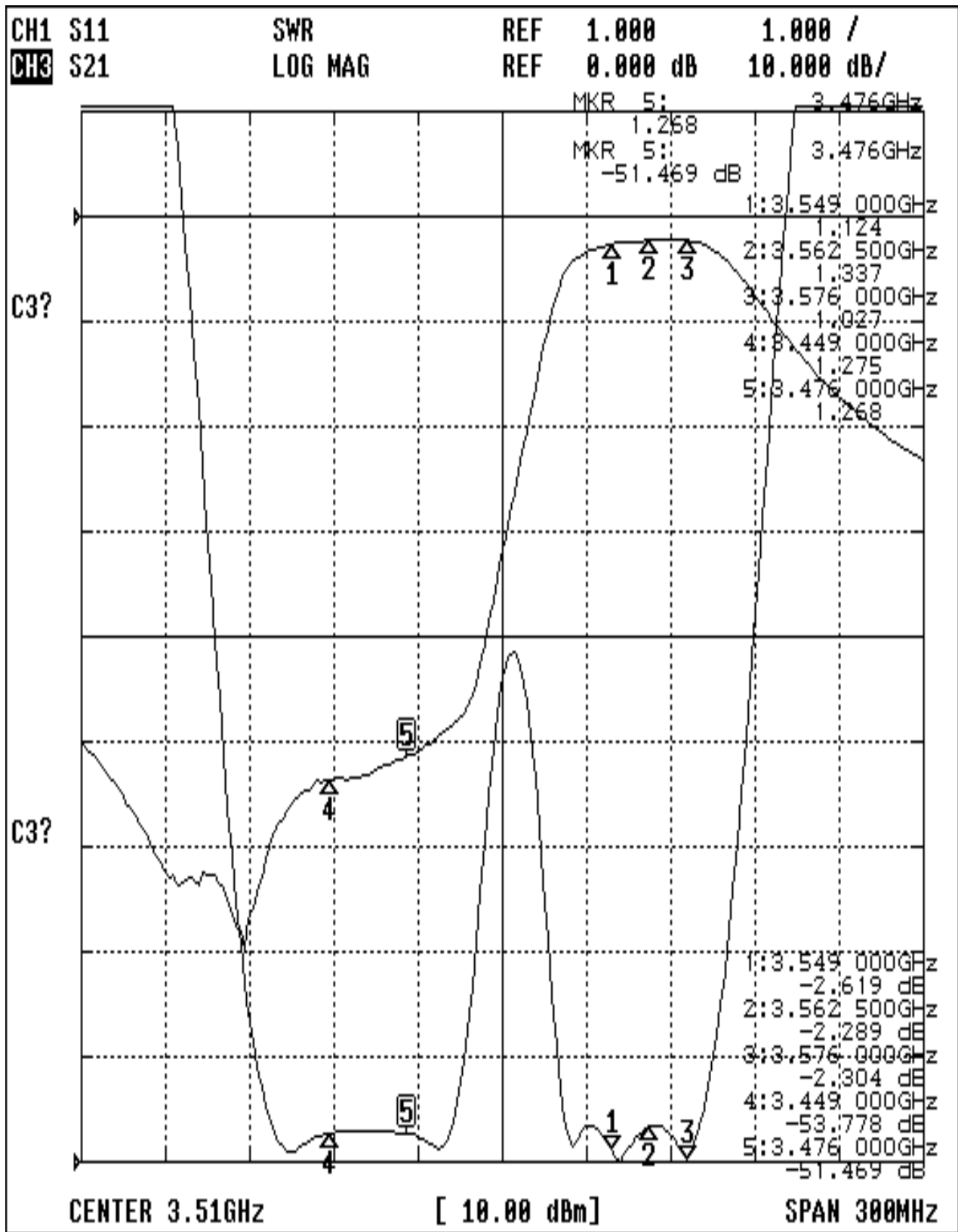


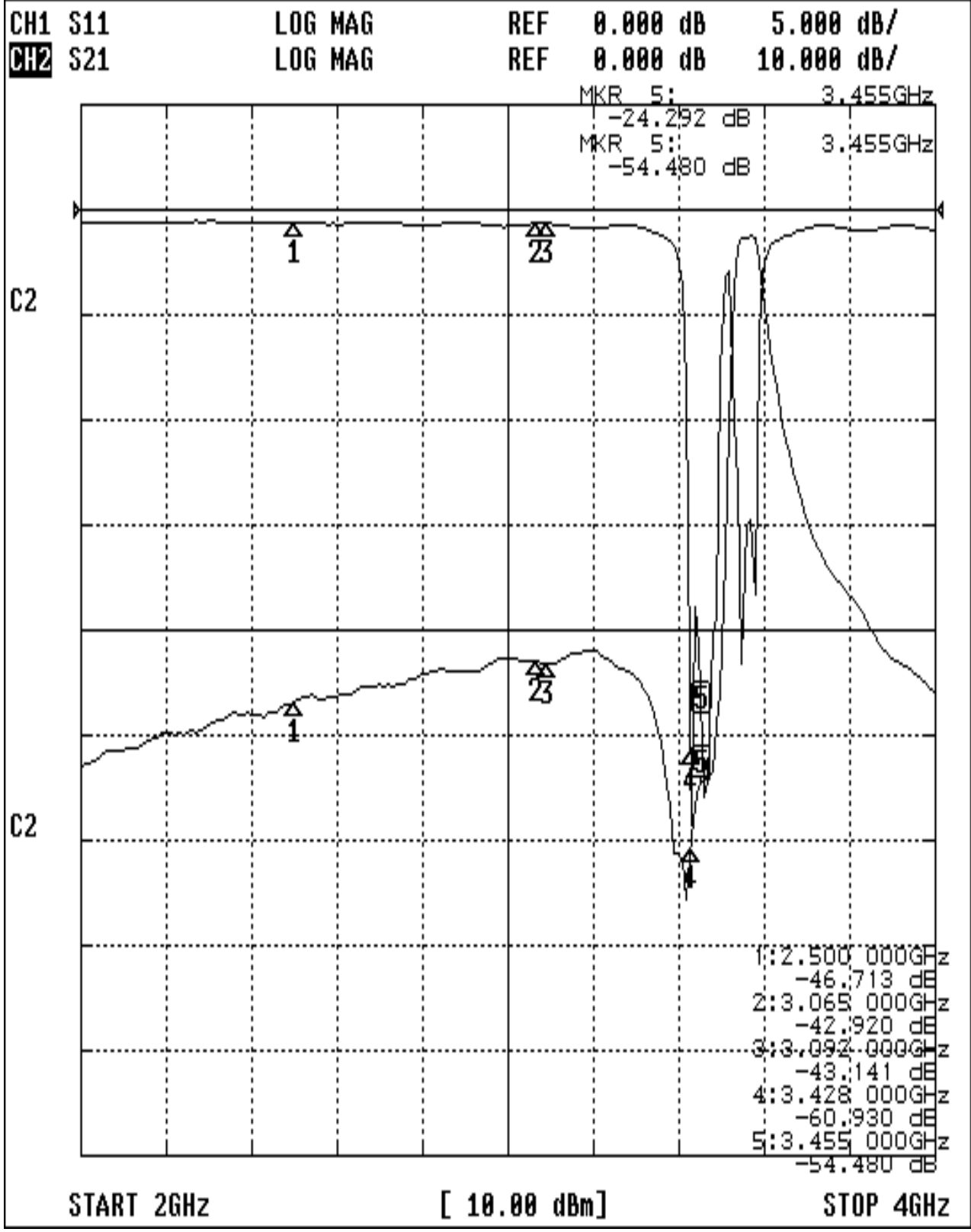
START 2.5GHz

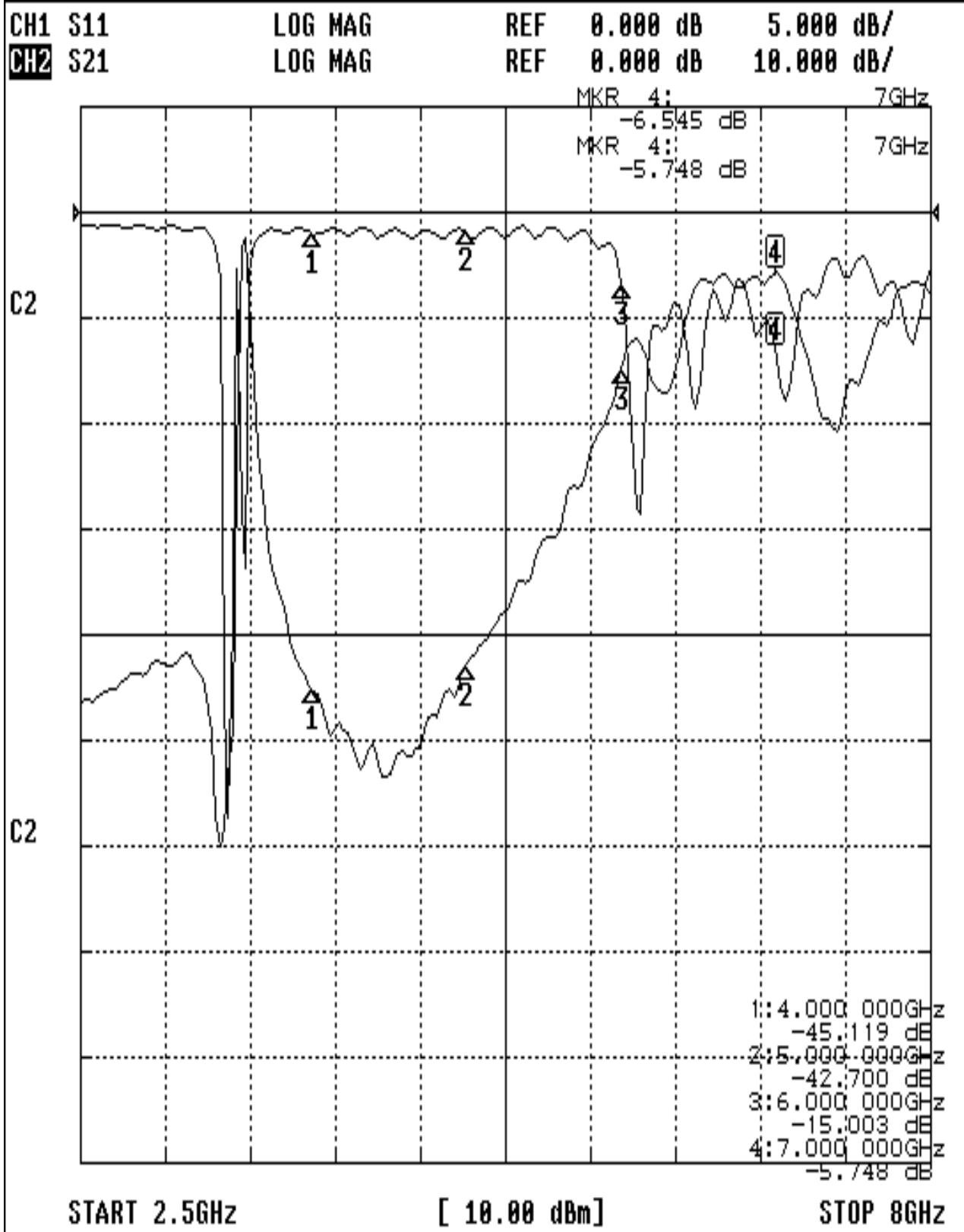
[10.00 dBm]

STOP 8GHz

ANT → Rx







Tx - Rx Isolation

