Quantic PMI
PLANAR MONOLITHICS

Customer:		Tested By:	K. Wagaman
SO No:		Temperature:	+25°C
Model No:	P32T-0R5G18G-60-T-SFF-OPT50M4G	Date:	03/28/2024
Serial No:	PL45330/2413	Drawing No:	27632760 Rev: A1

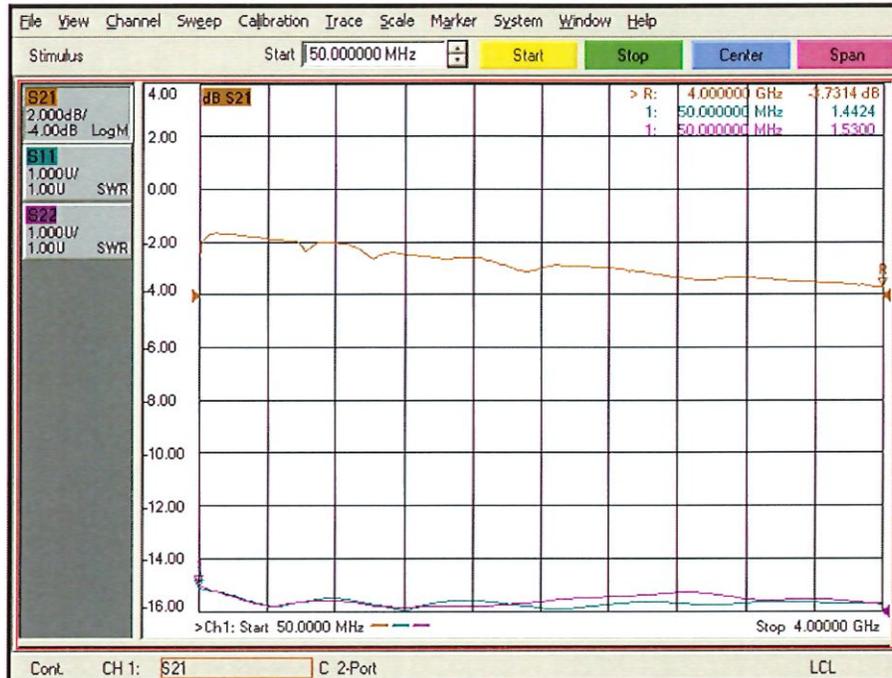| TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	0.05 to 4.0 GHz	0.05 to 4.0 GHz	PMI QA2
2	Insertion Loss:	4 dB Max	3.91dB	
3	Isolation:	60dB Min	80.2dB	
4	VSWR (In/Out):	2.0:1 Max	1.53:1	
5	Switching Speed:	200ns Max	<200ns See Typical Characteristics	
6	Input Power:	20dBm CW MAX, 33dBm PEAK (PULSED)	Pass	
7	Survival Power:	1 Watt CW, 10 Watts Peak, 1 us	Pass	
8	Control:	Decoded (See Logic Table)	Pass	
9	DC Supply	+5VDC @ 1600mA -5VDC @ 200mA	1330mA 65mA	PMI QA2

QA/QC Approval: _____ PMI QA2 Date: 3/28/2024

**SUMMARY TEST DATA
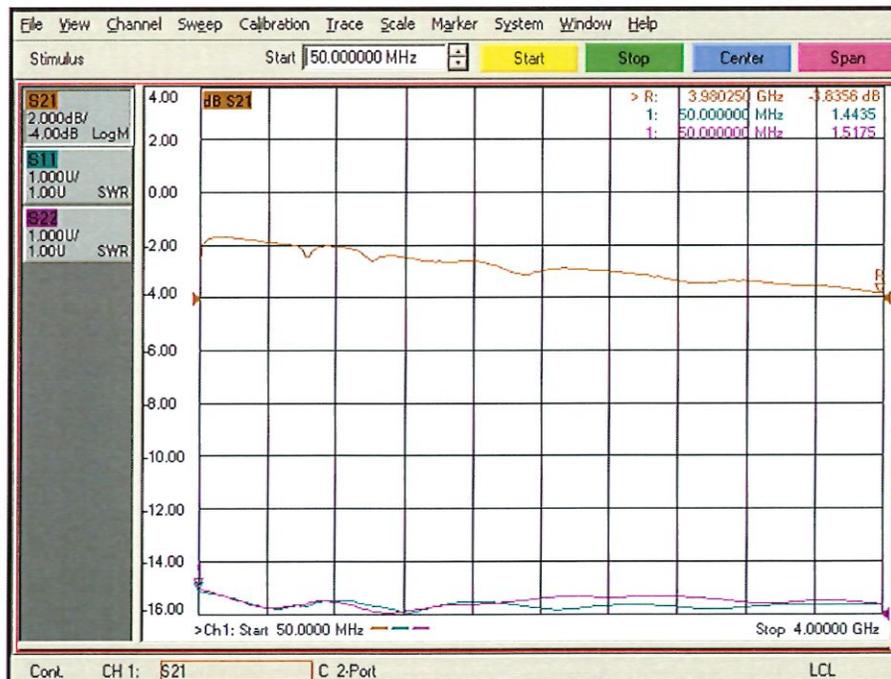ON
P32T-0R5G18G-60-T-SFF-
OPT50M4G**

PL45330/2413

Logic Table					
Port	E1	E2	E3	E4	E5
J1	0	0	0	0	0
J2	1	0	0	0	0
J3	0	1	0	0	0
J4	1	1	0	0	0
J5	0	0	1	0	0
J6	1	0	1	0	0
J7	0	1	1	0	0
J8	1	1	1	0	0
J9	0	0	0	1	0
J10	1	0	0	1	0
J11	0	1	0	1	0
J12	1	1	0	1	0
J13	0	0	1	1	0
J14	1	0	1	1	0
J15	0	1	1	1	0
J16	1	1	1	1	0
J17	0	0	0	0	1
J18	1	0	0	0	1
J19	0	1	0	0	1
J20	1	1	0	0	1
J21	0	0	1	0	1
J22	1	0	1	0	1
J23	0	1	1	0	1
J24	1	1	1	0	1
J25	0	0	0	1	1
J26	1	0	0	1	1
J27	0	1	0	1	1
J28	1	1	0	1	1
J29	0	0	1	1	1
J30	1	0	1	1	1
J31	0	1	1	1	1
J32	1	1	1	1	1

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**SUMMARY TEST DATA
ON
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(J33-J1) Insertion Loss and Return Loss

(J33-J2) Insertion Loss and Return Loss

**SUMMARY TEST DATA
ON
P32T-0R5G18G-60-T-SFF-
OPT50M4G**

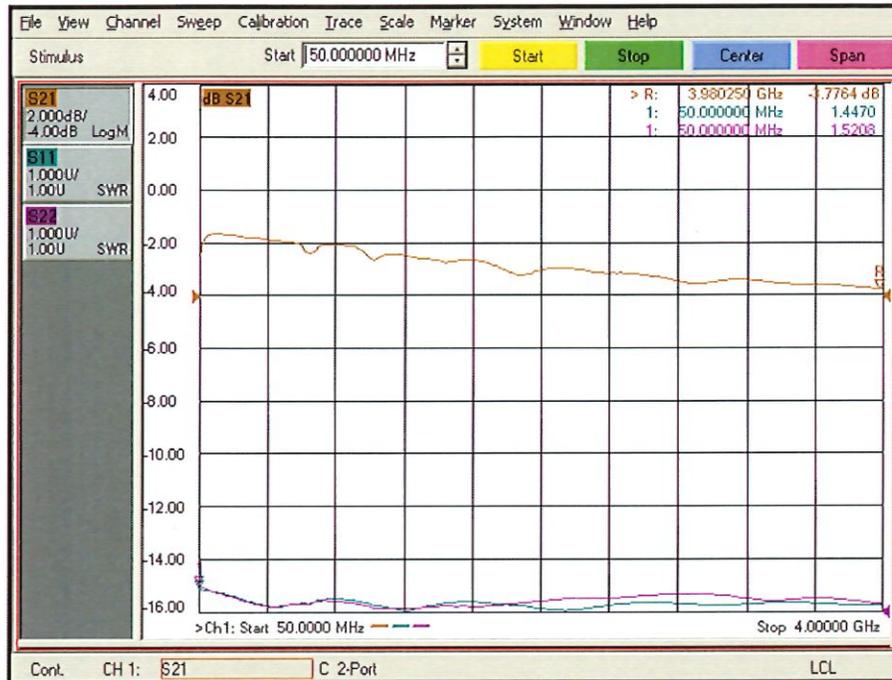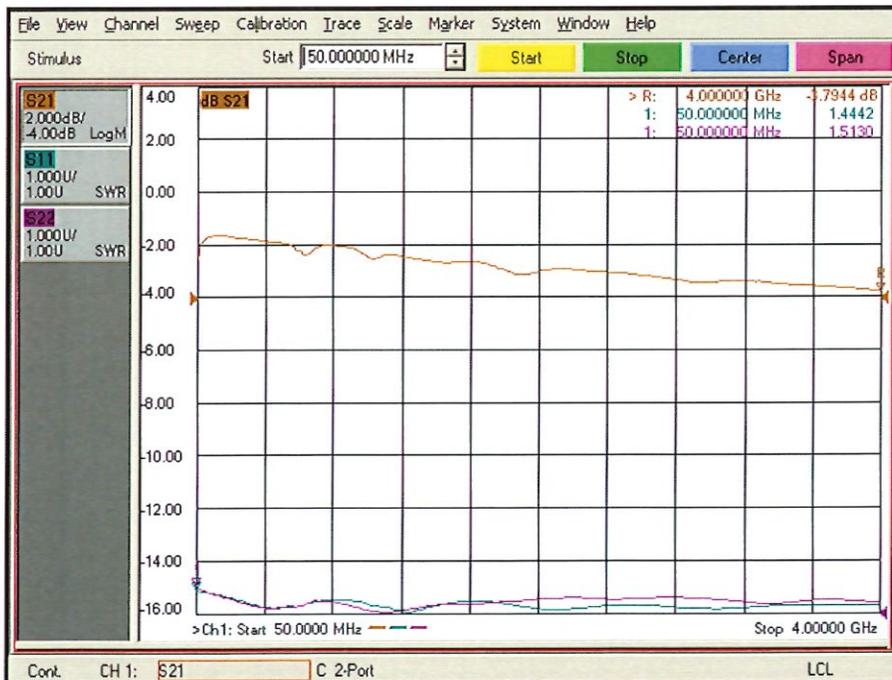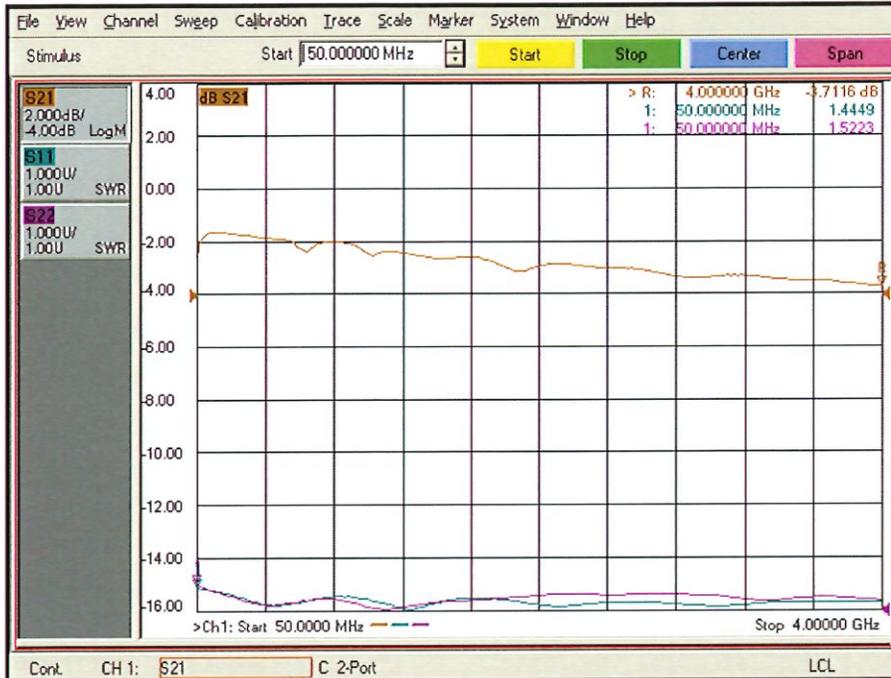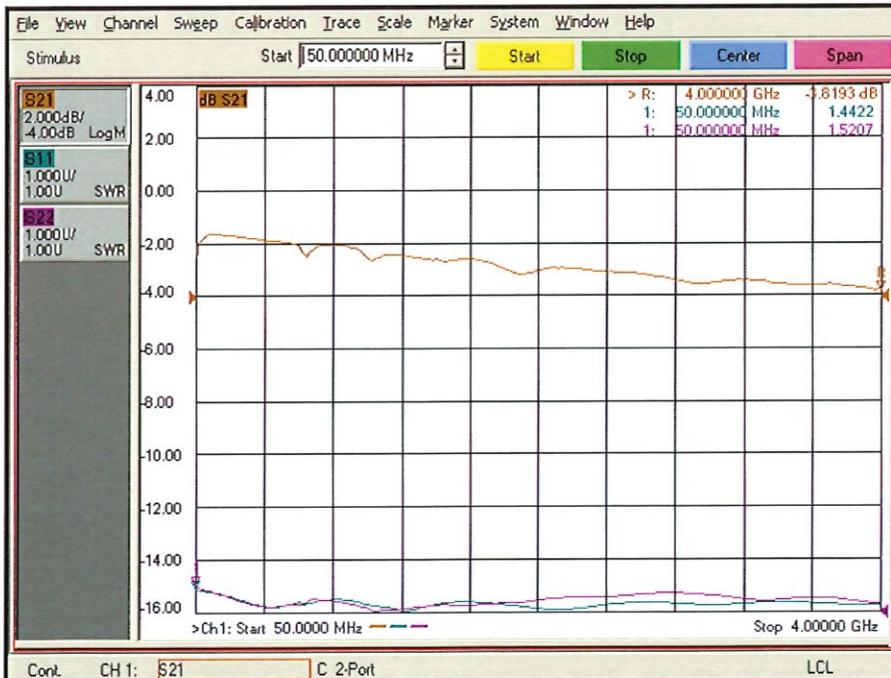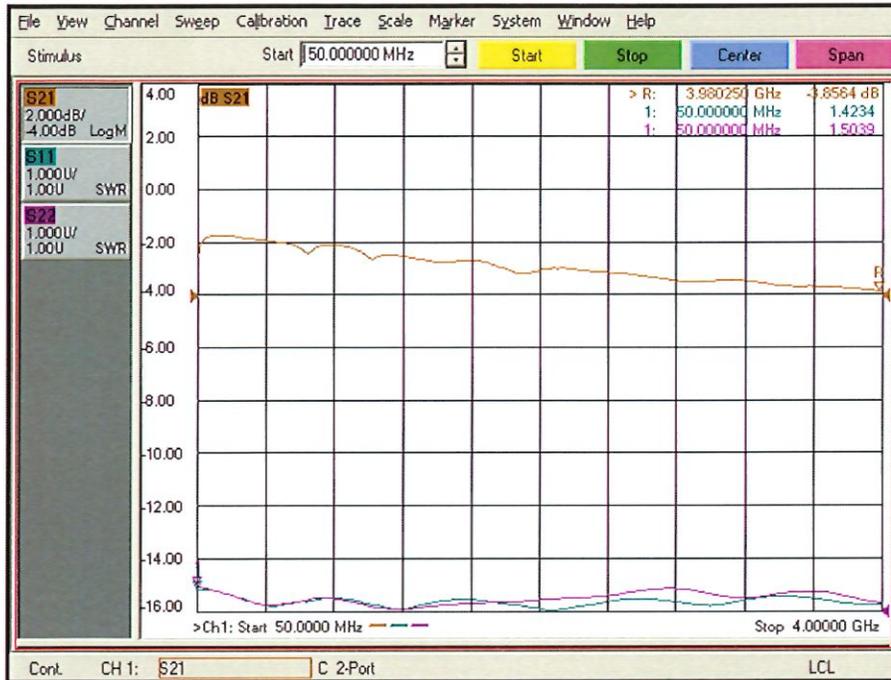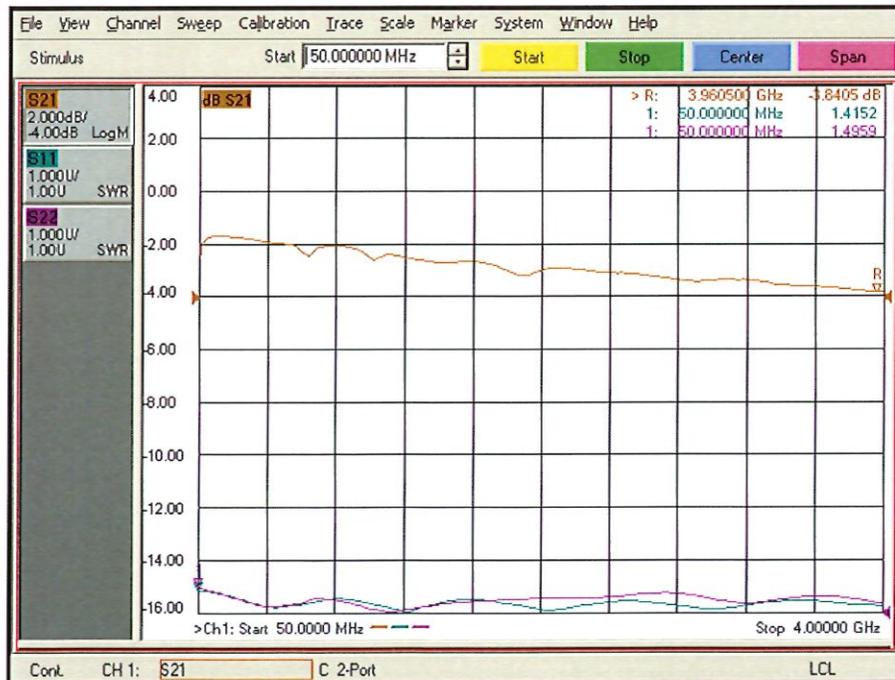PL45330/2413
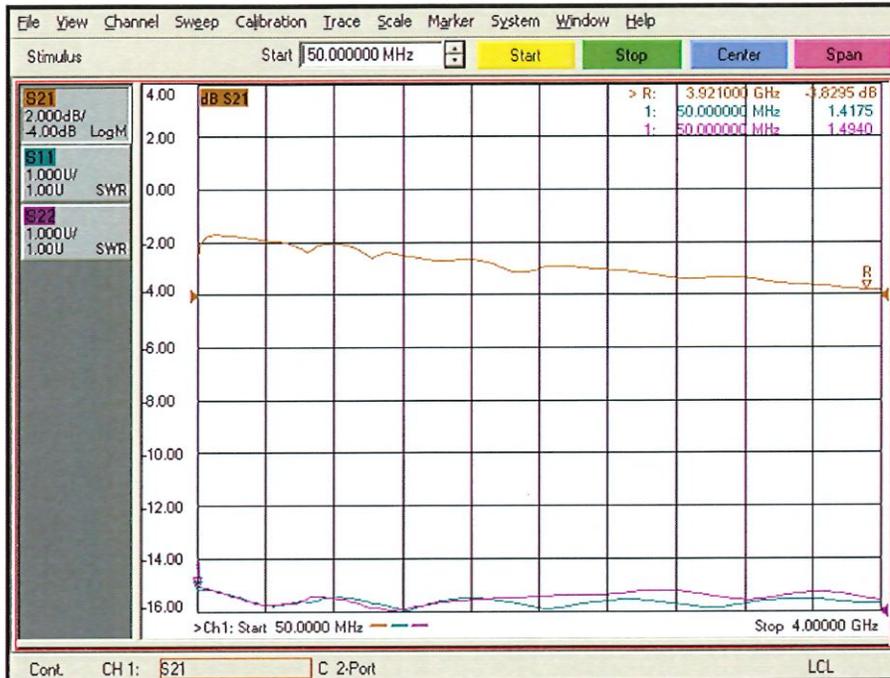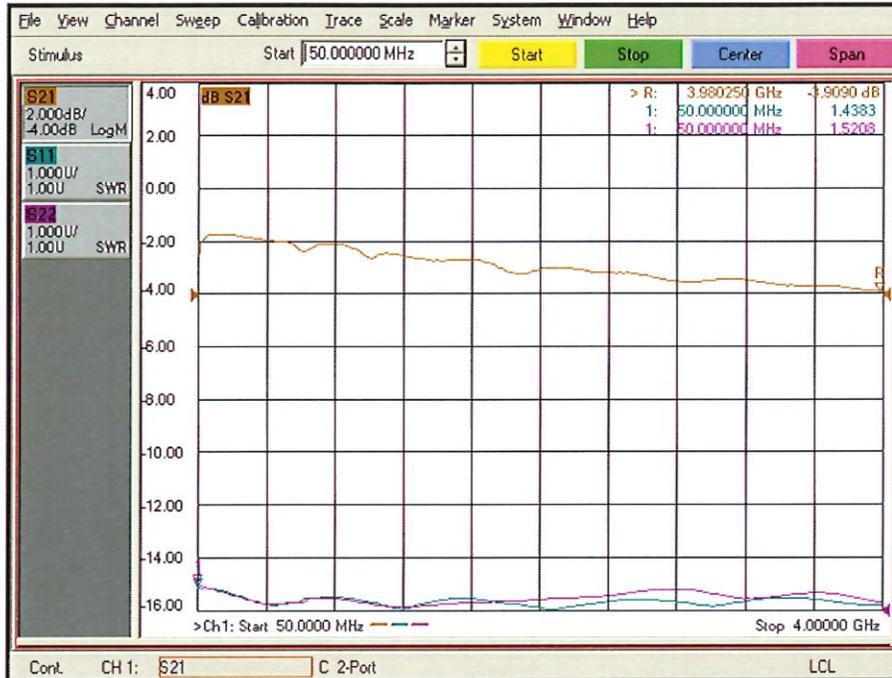
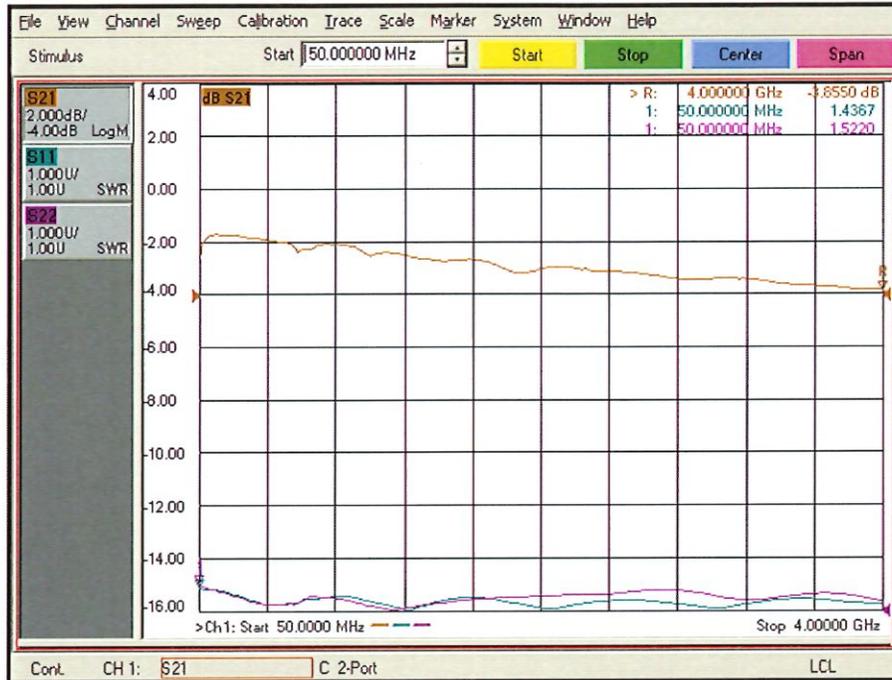## (J33-J3) Insertion Loss and Return Loss

(J33-J4) Insertion Loss and Return Loss

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PLANAR MONOLITHICS
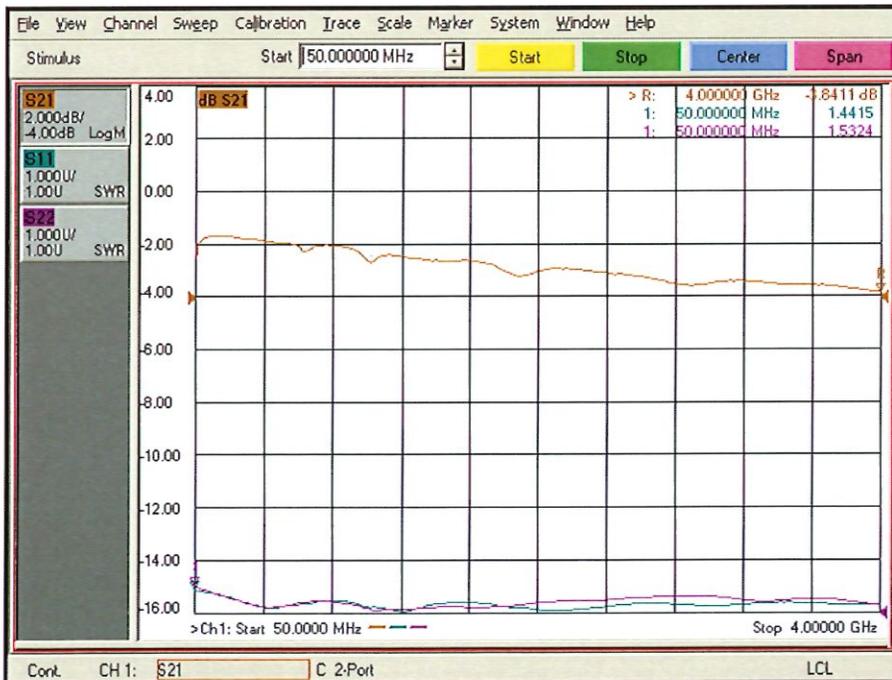
SUMMARY TEST DATA
ON
P32T-0R5G18G-60-T-SFF-
OPT50M4G

PL45330/2413

(J33-J5) Insertion Loss and Return Loss

(J33-J6) Insertion Loss and Return Loss
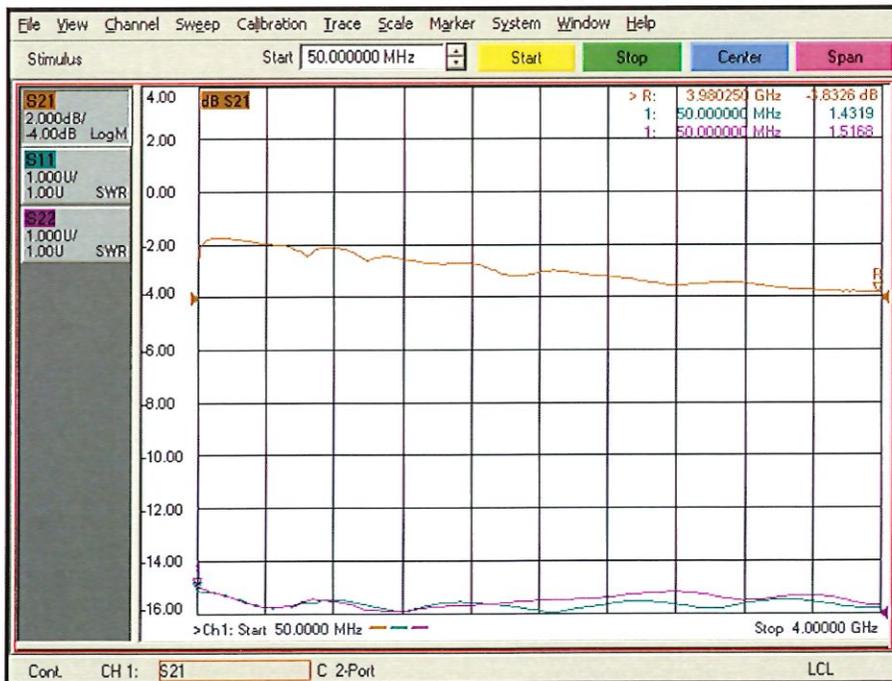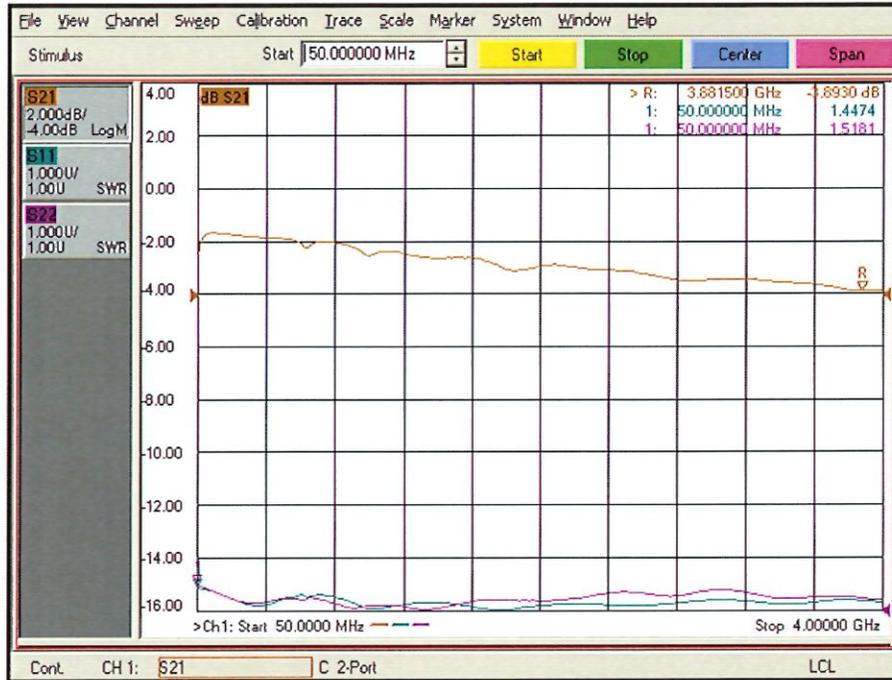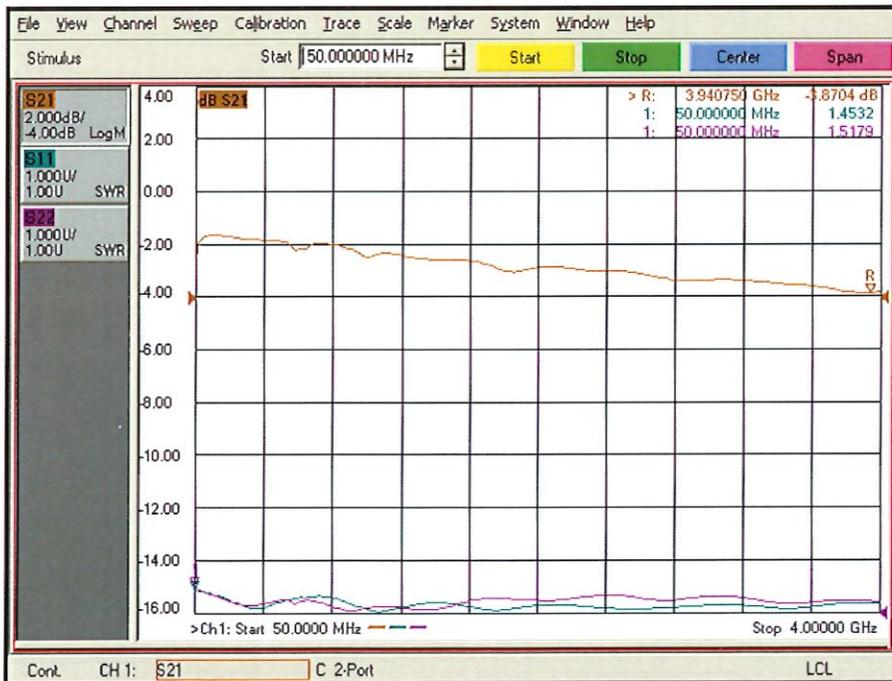
(J33-J7) Insertion Loss and Return Loss

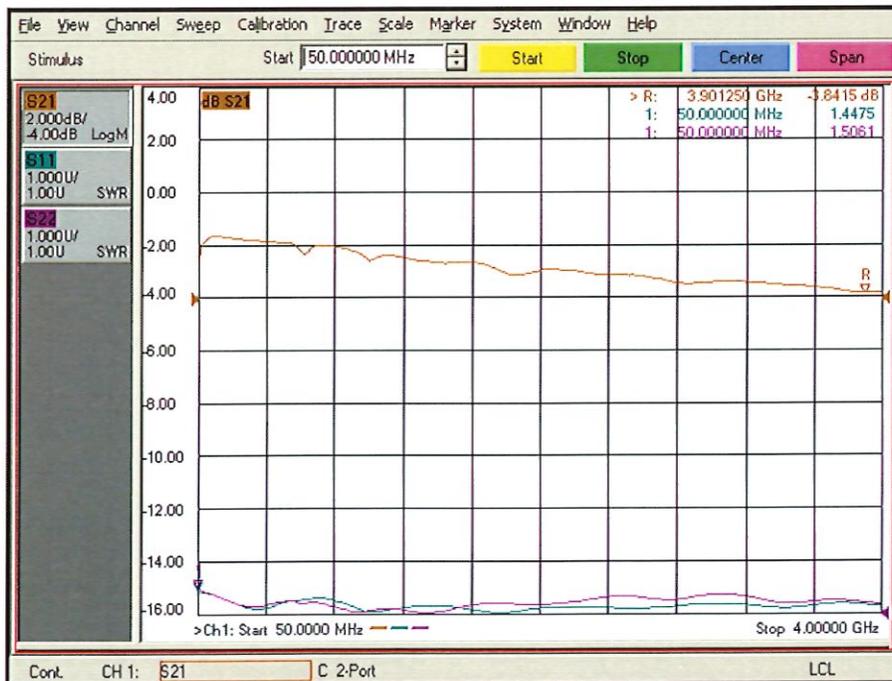## (J33-J8) Insertion Loss and Return Loss

(J33-J9) Insertion Loss and Return Loss

File View Channel Sweep Calibration Trace Scale Marker System Window Help		
Stimulus	Start 50.000000 MHz	Start Stop Center Span

S21 2.000dB/ -4.00dB LogM
S11 1.000U/ 1.00U SWR
S22 1.000U/ 1.00U SWR

dB S21

> R: 3.980250 GHz -3.8564 dB
1: 50.000000 MHz 1.4234
1: 50.000000 MHz 1.5039

>Ch1: Start 50.0000 MHz   Stop 4.00000 GHz

Cont. CH 1: S21   C 2-Port   LCL

(J33-J10) Insertion Loss and Return Loss

File View Channel Sweep Calibration Trace Scale Marker System Window Help
Stimulus   Start 50.000000 MHz   Start Stop Center Span

S21 2.000dB/ -4.00dB LogM
S11 1.000U/ 1.00U SWR
S22 1.000U/ 1.00U SWR

dB S21

> R: 3.960500 GHz -3.8405 dB
1: 50.000000 MHz 1.4152
1: 50.000000 MHz 1.4959

>Ch1: Start 50.0000 MHz   Stop 4.00000 GHz

Cont. CH 1: S21   C 2-Port   LCL

SUMMARY TEST DATA
ON
P32T-0R5G18G-60-T-SFF-OPT50M4G

PL45330/2413

(J33-J11) Insertion Loss and Return Loss

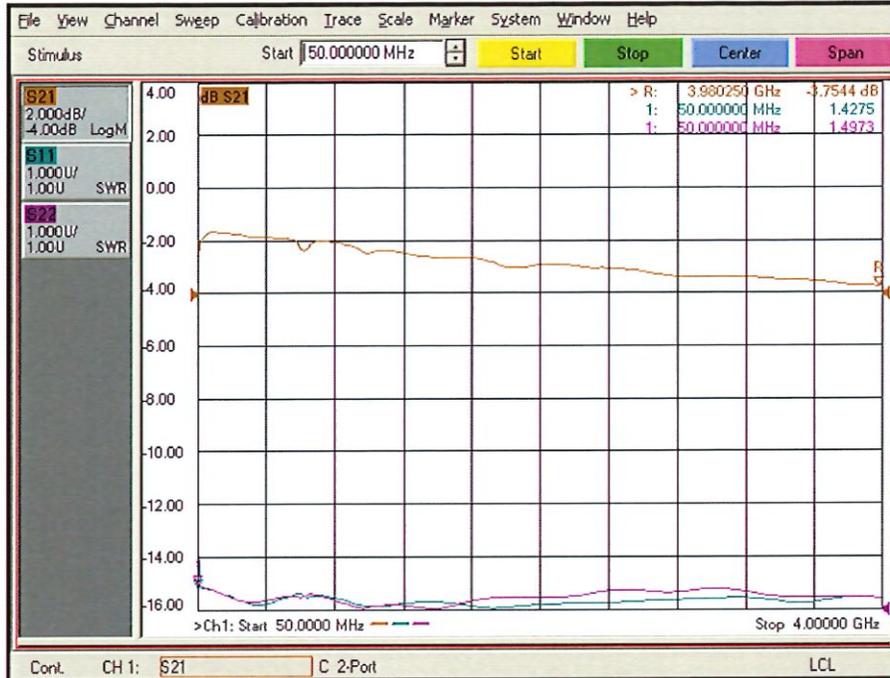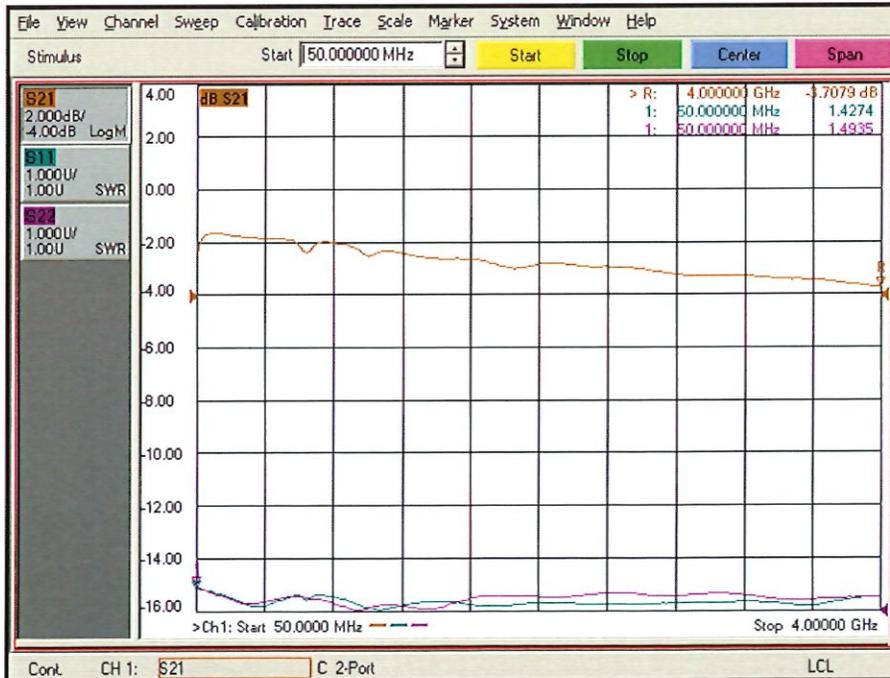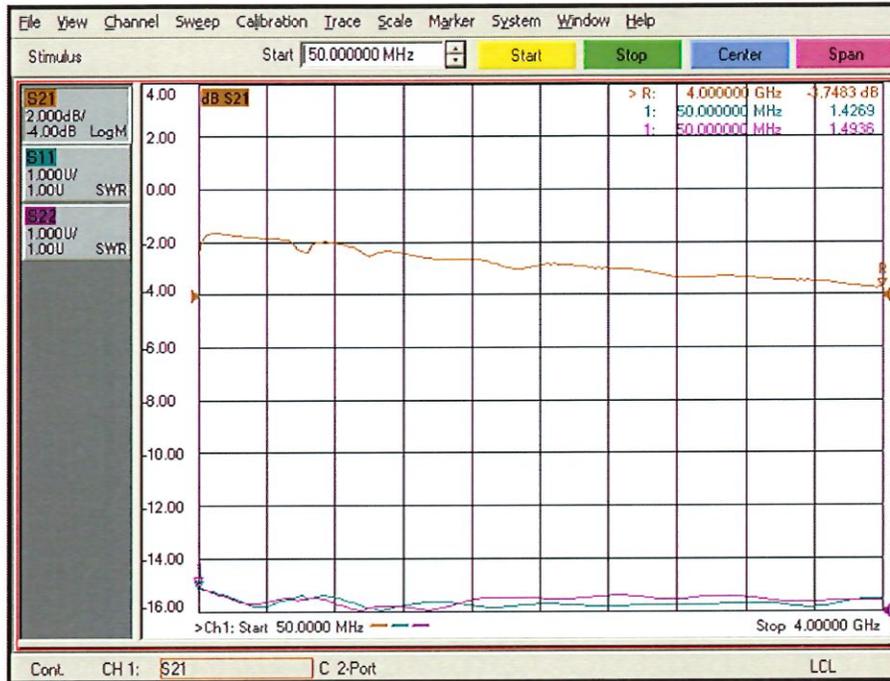## (J33-J12) Insertion Loss and Return Loss

<p align="center">**SUMMARY TEST DATA
ON
P32T-0R5G18G-60-T-SFF-OPT50M4G**</p>

<p align="right">PL45330/2413</p>

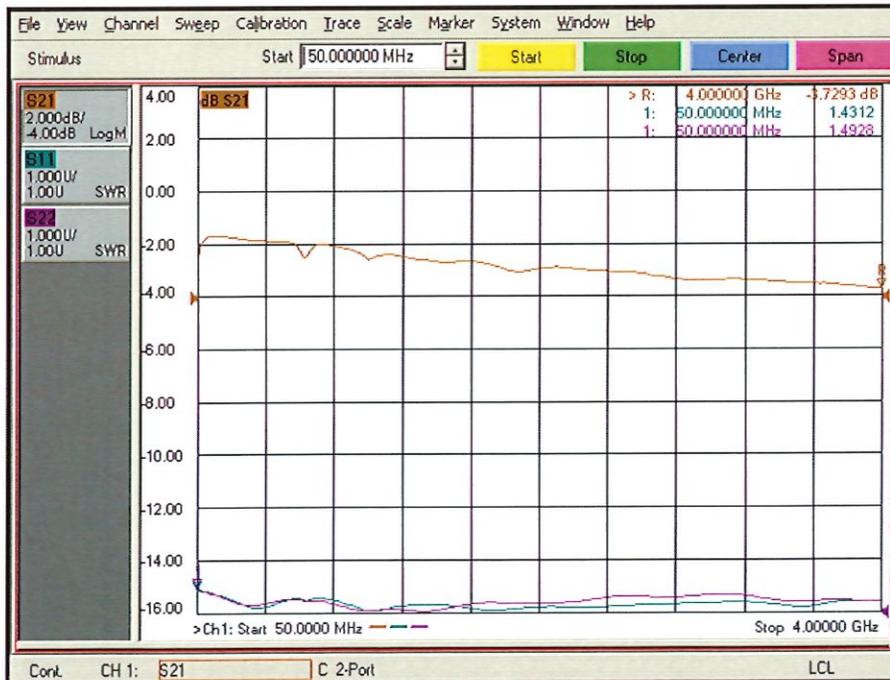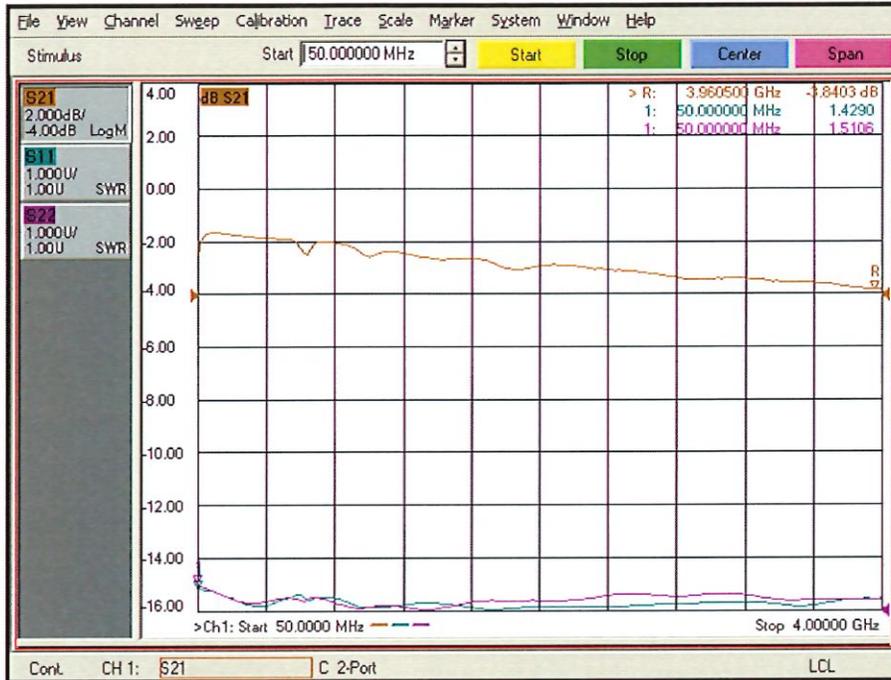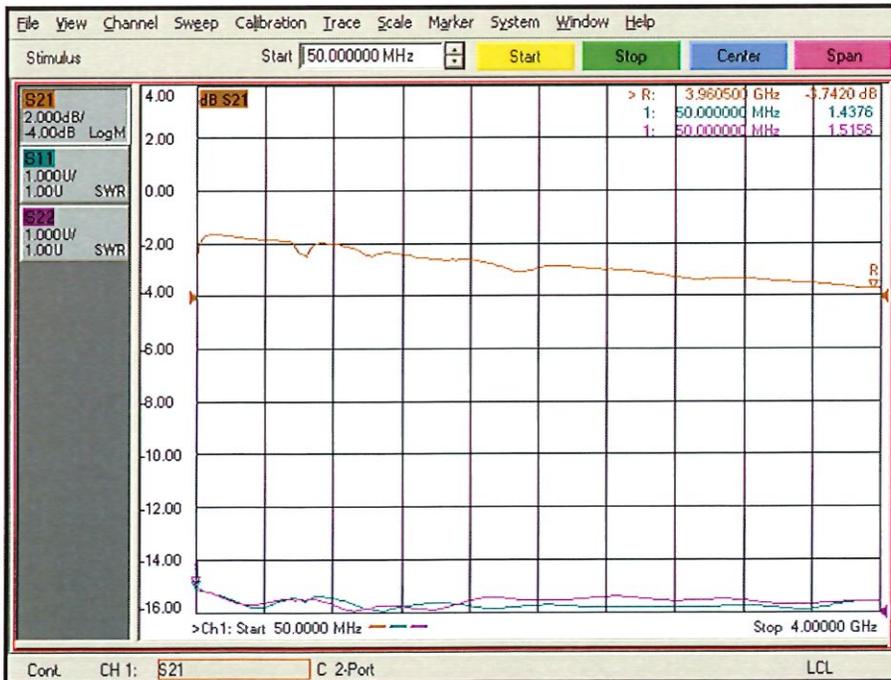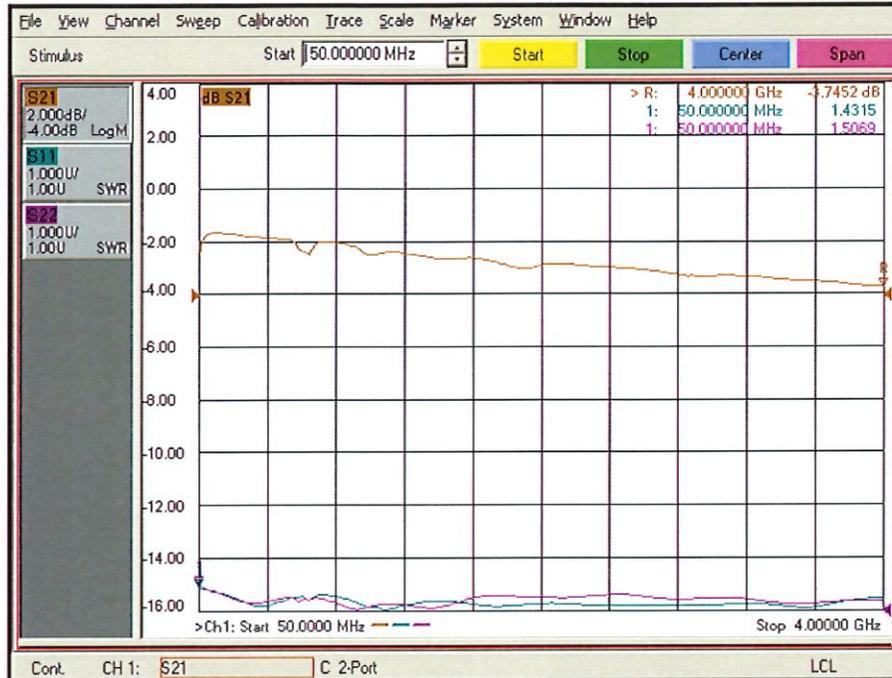## (J33-J13) Insertion Loss and Return Loss

(J33-J14) Insertion Loss and Return Loss

**SUMMARY TEST DATA
ON
P32T-0R5G18G-60-T-SFF-
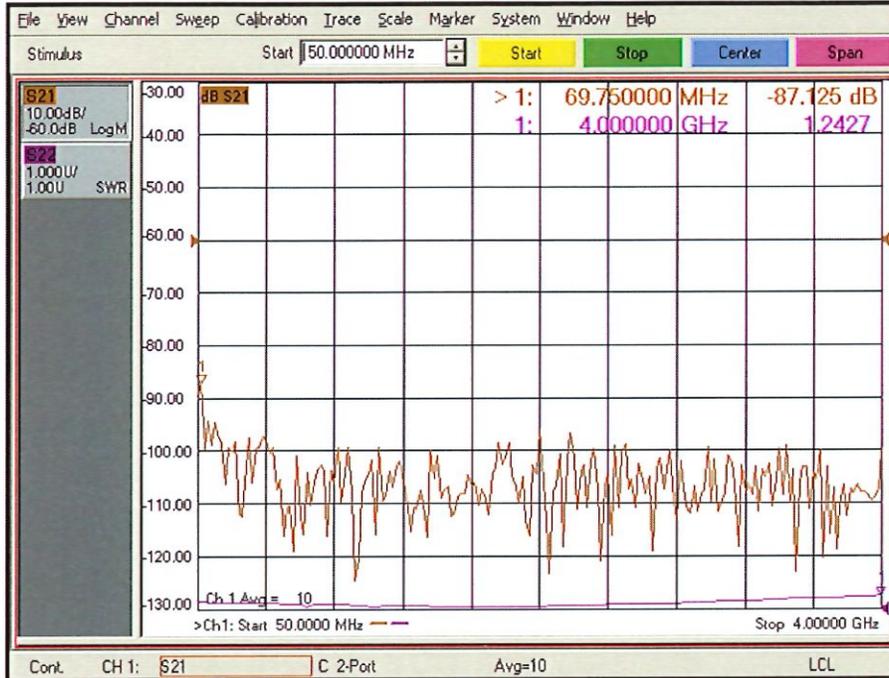OPT50M4G**

PL45330/2413
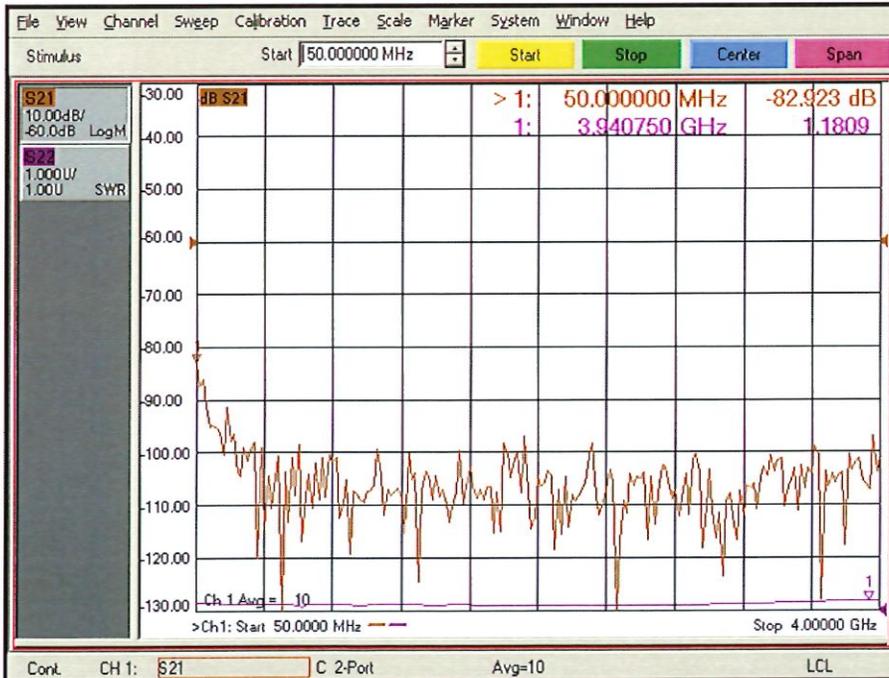
## (J33-J15) Insertion Loss and Return Loss

(J33-J16) Insertion Loss and Return Loss

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SUMMARY TEST DATA
ON
P32T-0R5G18G-60-T-SFF-OPT50M4G

PL45330/2413

(J33-J17) Insertion Loss and Return Loss

(J33-J18) Insertion Loss and Return Loss

**SUMMARY TEST DATA
ON
P32T-0R5G18G-60-T-SFF-
OPT50M4G**

PL45330/2413

(J33-J19) Insertion Loss and Return Loss

(J33-J20) Insertion Loss and Return Loss

(J33-J21) Insertion Loss and Return Loss

(J33-J22) Insertion Loss and Return Loss

SUMMARY TEST DATA
ON
P32T-0R5G18G-60-T-SFF-OPT50M4G

(J33-J23) Insertion Loss and Return Loss

(J33-J24) Insertion Loss and Return Loss

**SUMMARY TEST DATA
ON
P32T-0R5G18G-60-T-SFF-
OPT50M4G**

PL45330/2413

(J33-J25) Insertion Loss and Return Loss

(J33-J26) Insertion Loss and Return Loss

SUMMARY TEST DATA
ON
P32T-0R5G18G-60-T-SFF-OPT50M4G

PL45330/2413

(J33-J27) Insertion Loss and Return Loss

(J33-J28) Insertion Loss and Return Loss

(J33-J29) Insertion Loss and Return Loss

(J33-J30) Insertion Loss and Return Loss

SUMMARY TEST DATA
ON
P32T-0R5G18G-60-T-SFF-
OPT50M4G

PL45330/2413

(J33-J31) Insertion Loss and Return Loss

(J33-J32) Insertion Loss and Return Loss

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**SUMMARY TEST DATA
ON
P32T-0R5G18G-60-T-SFF-
OPT50M4G**

PL45330/2413
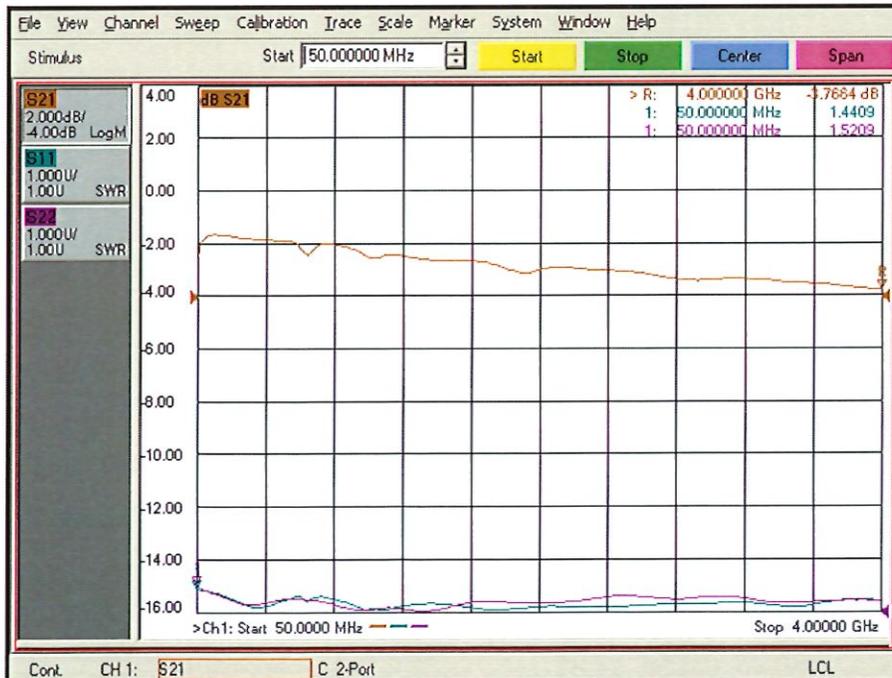
(J33-J1) Isolation and Termination Return Loss

(J33-J2) Isolation and Termination Return Loss
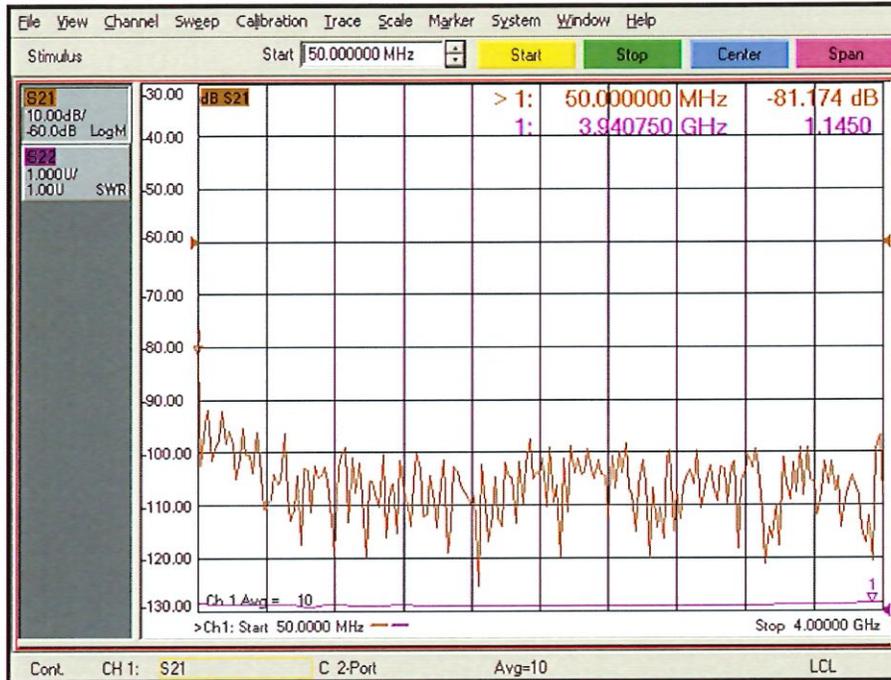
SUMMARY TEST DATA
ON
P32T-0R5G18G-60-T-SFF-OPT50M4G

PL45330/2413

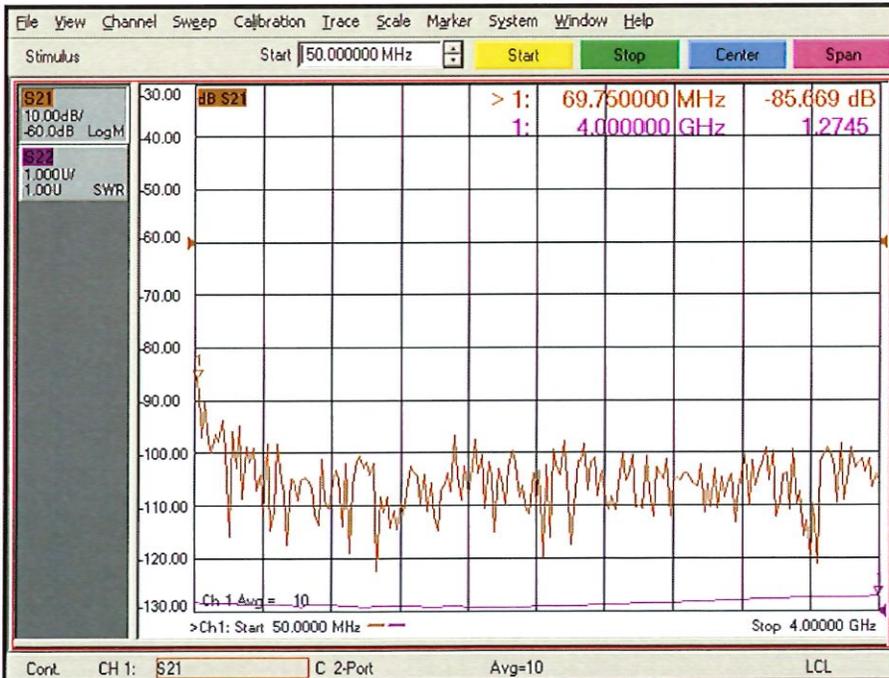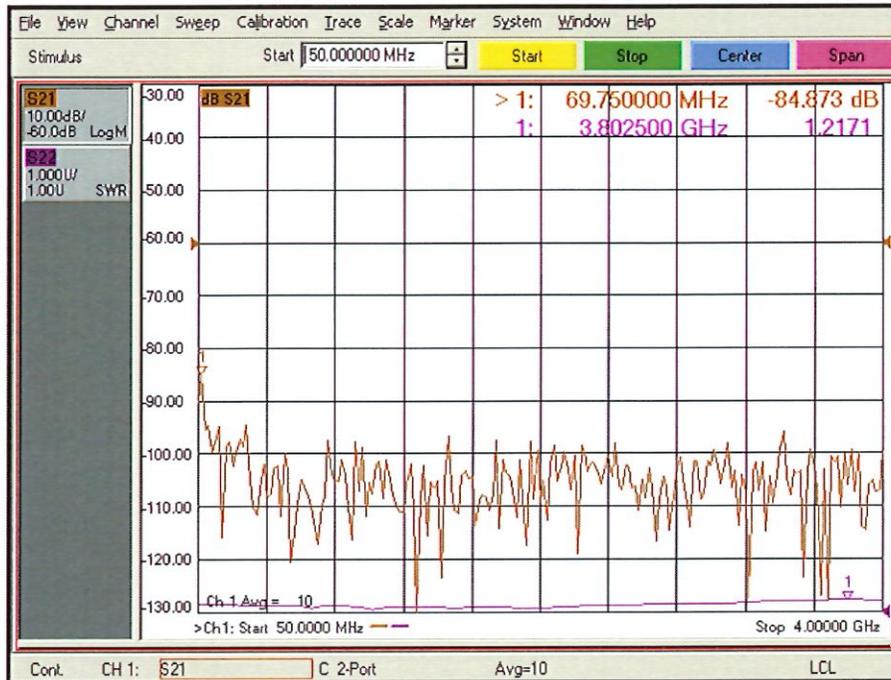## (J33-J3) Isolation and Termination Return Loss

(J33-J4) Isolation and Termination Return Loss

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PLANAR MONOLITHICS
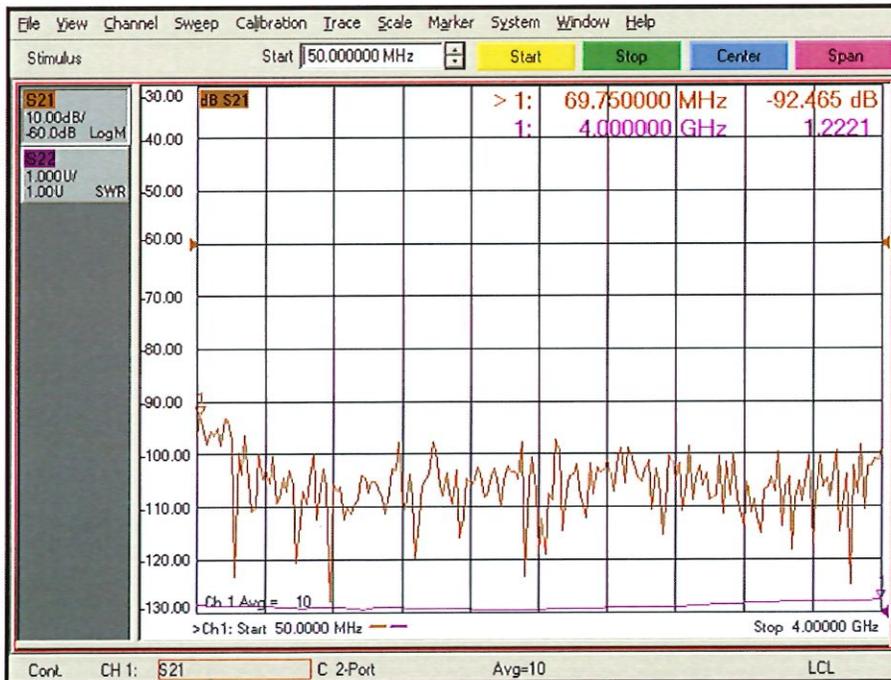
**SUMMARY TEST DATA
ON
P32T-0R5G18G-60-T-SFF-
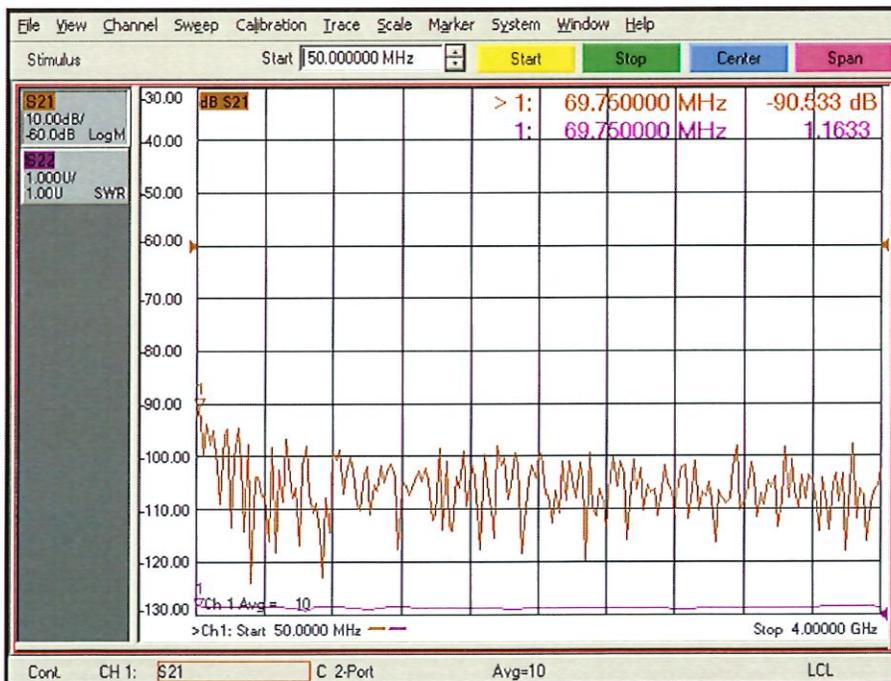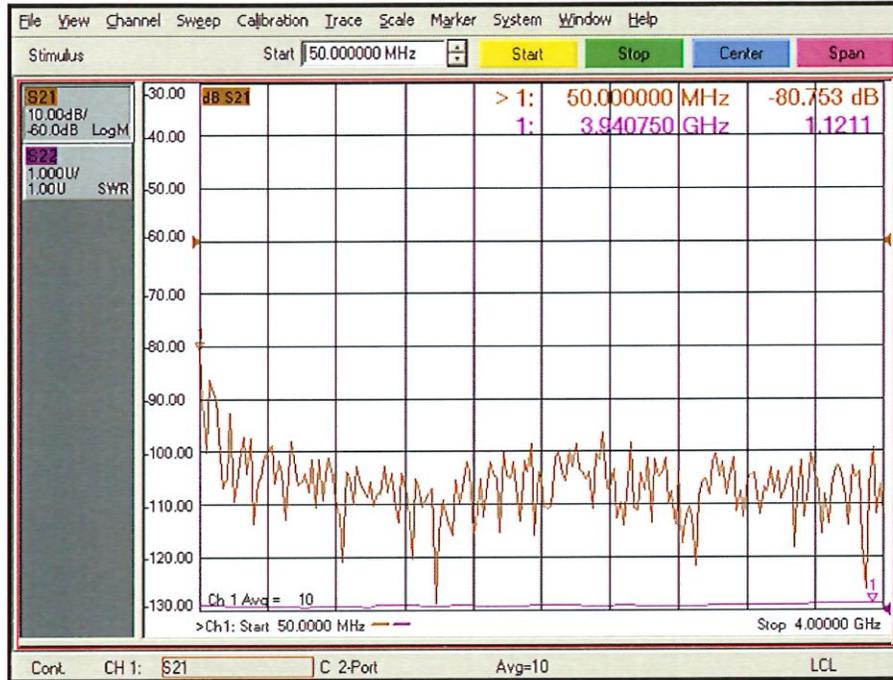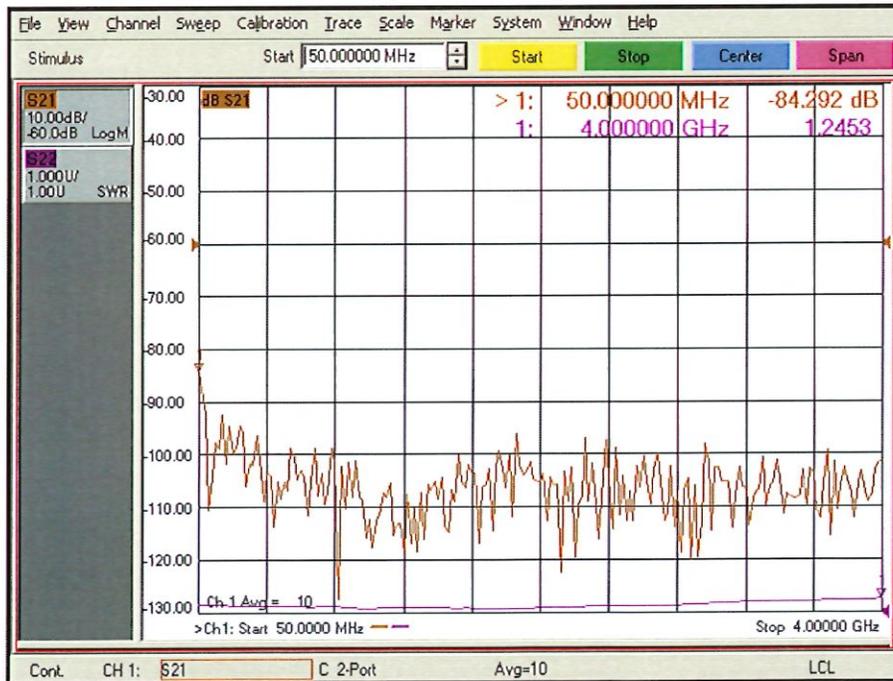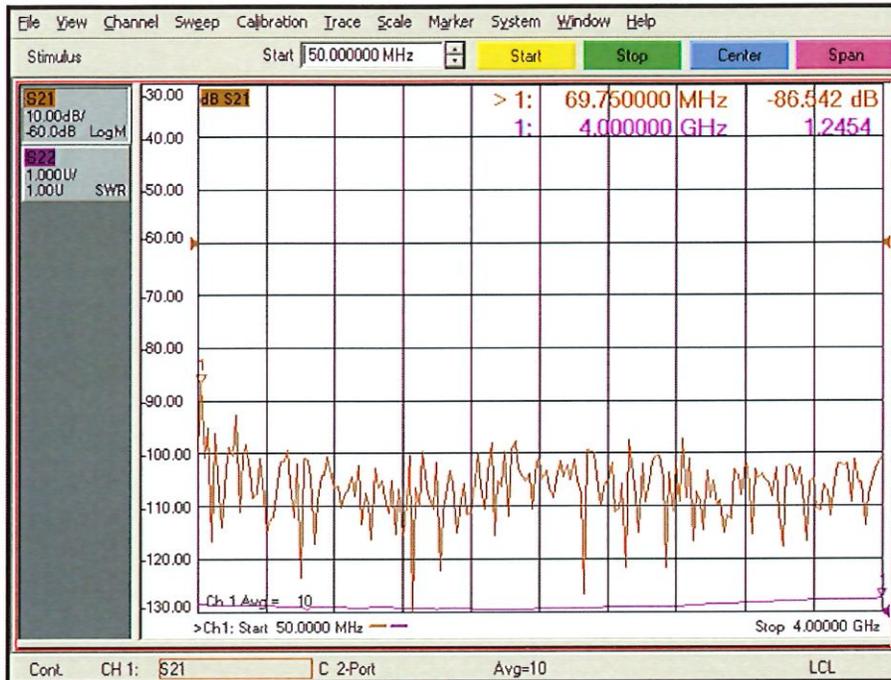OPT50M4G**

PL45330/2413

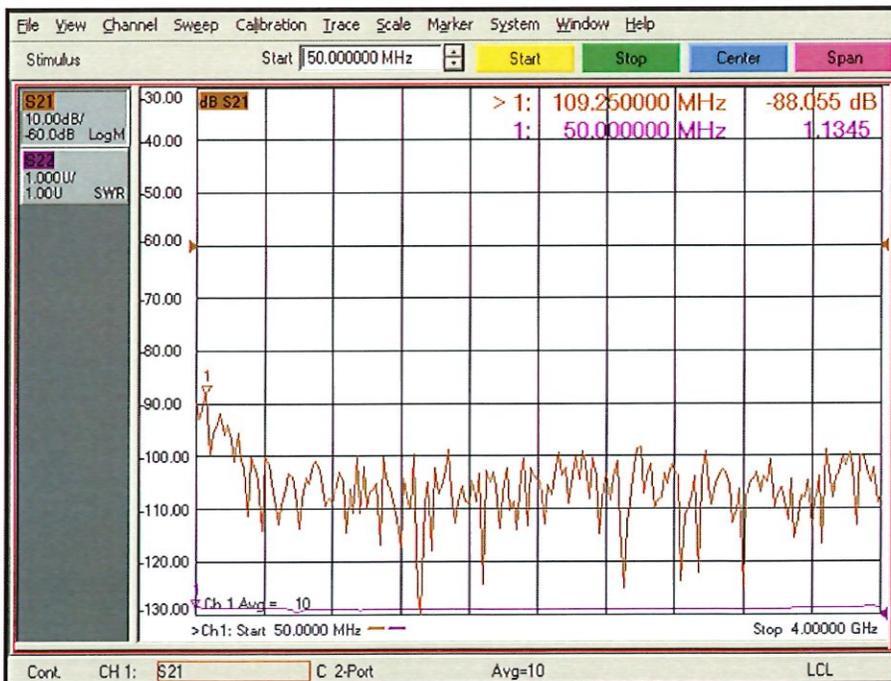## (J33-J5) Isolation and Termination Return Loss
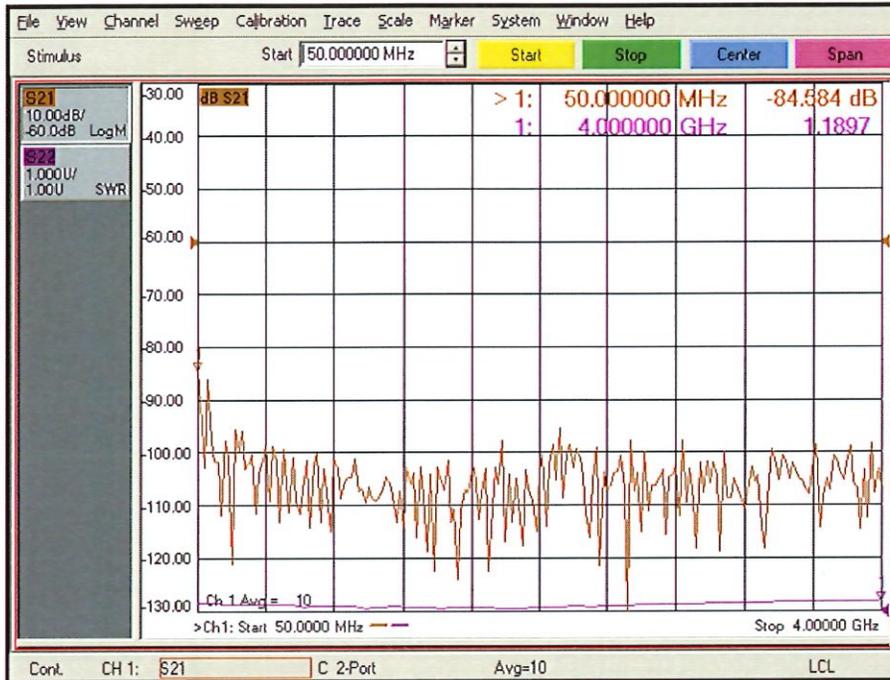
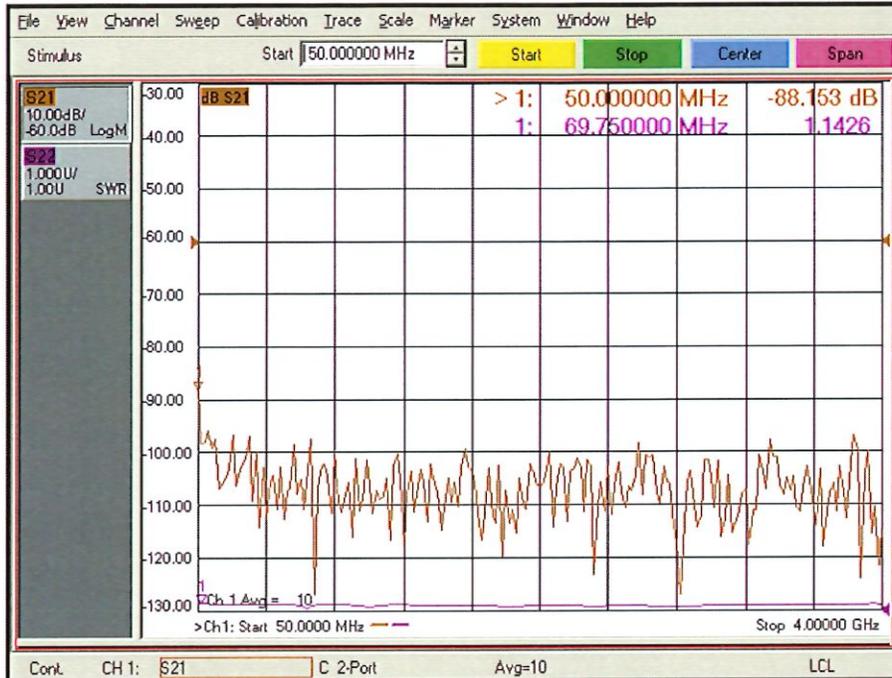## (J33-J6) Isolation and Termination Return Loss
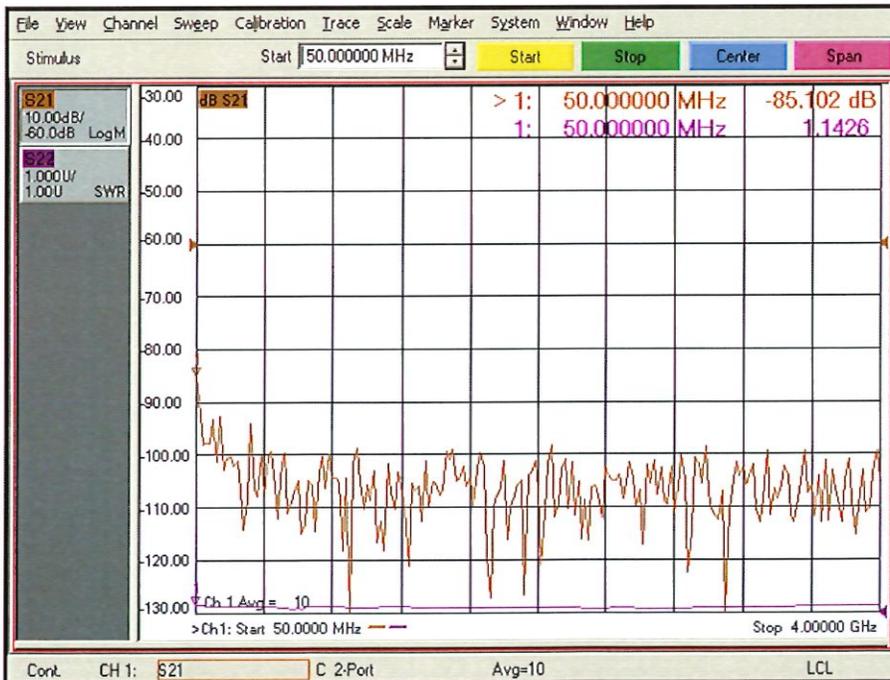
(J33-J7) Isolation and Termination Return Loss
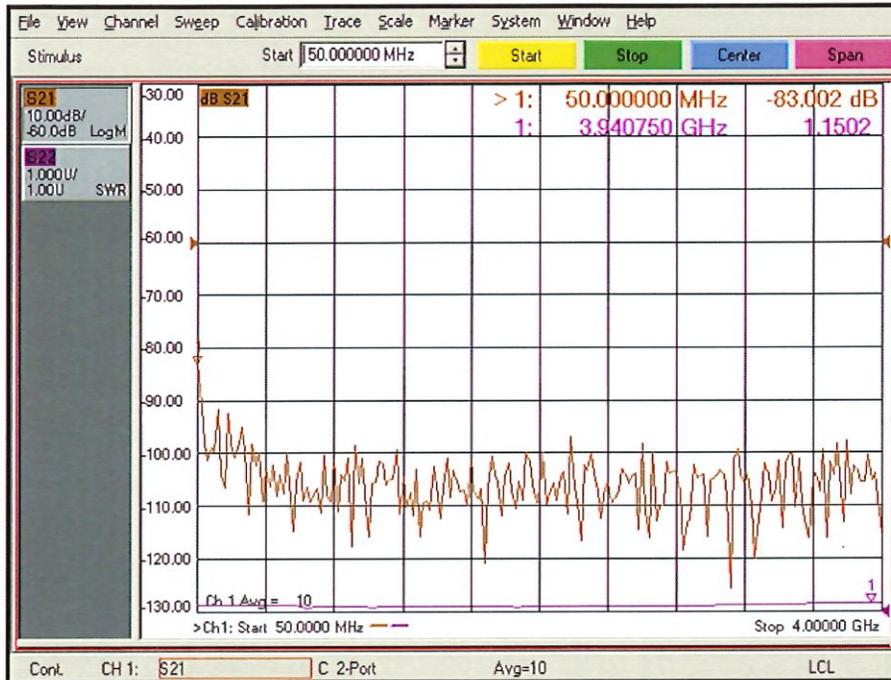
(J33-J8) Isolation and Termination Return Loss
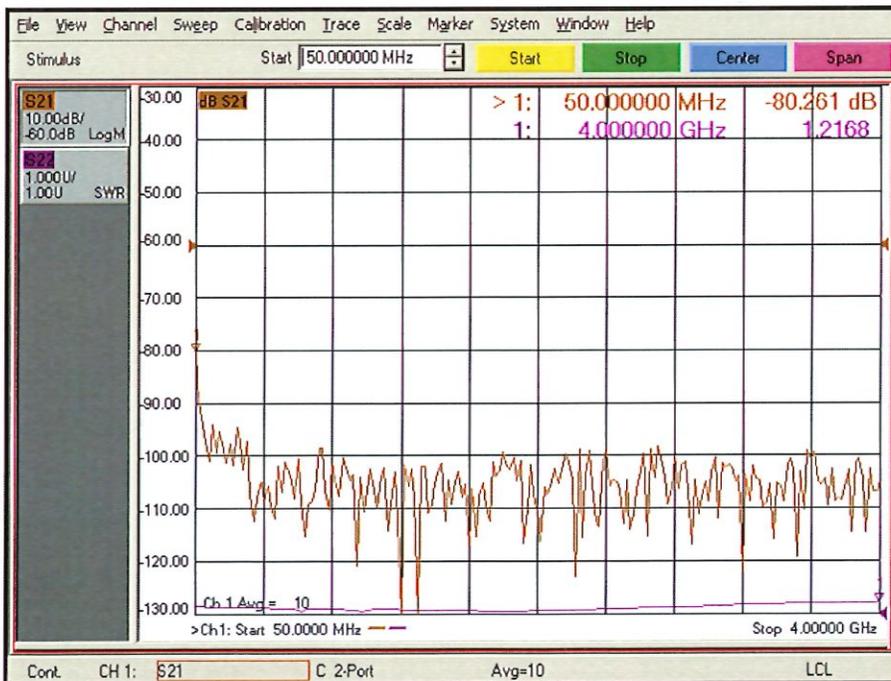
(J33-J9) Isolation and Termination Return Loss
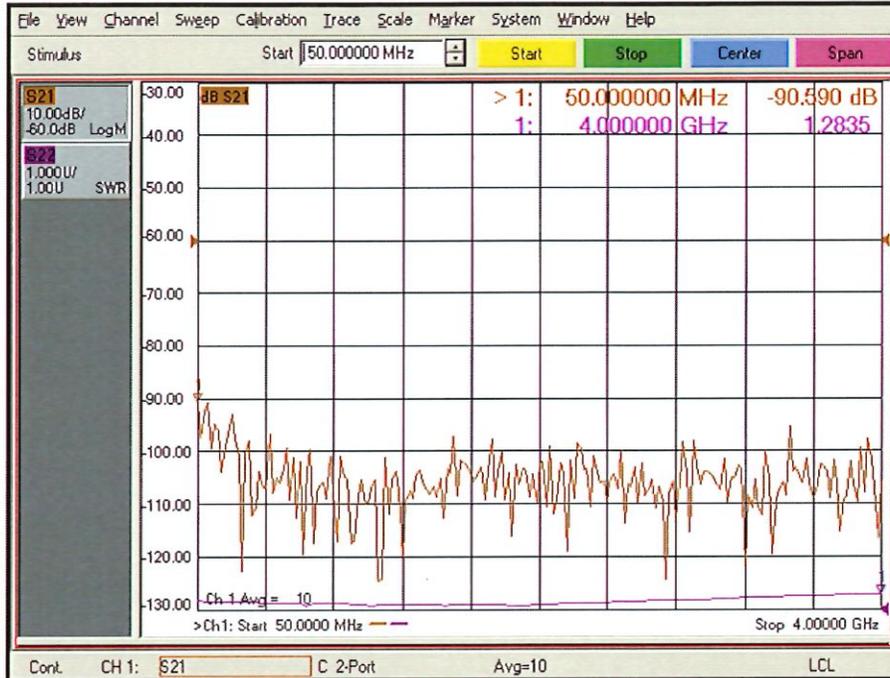
(J33-J10) Isolation and Termination Return Loss
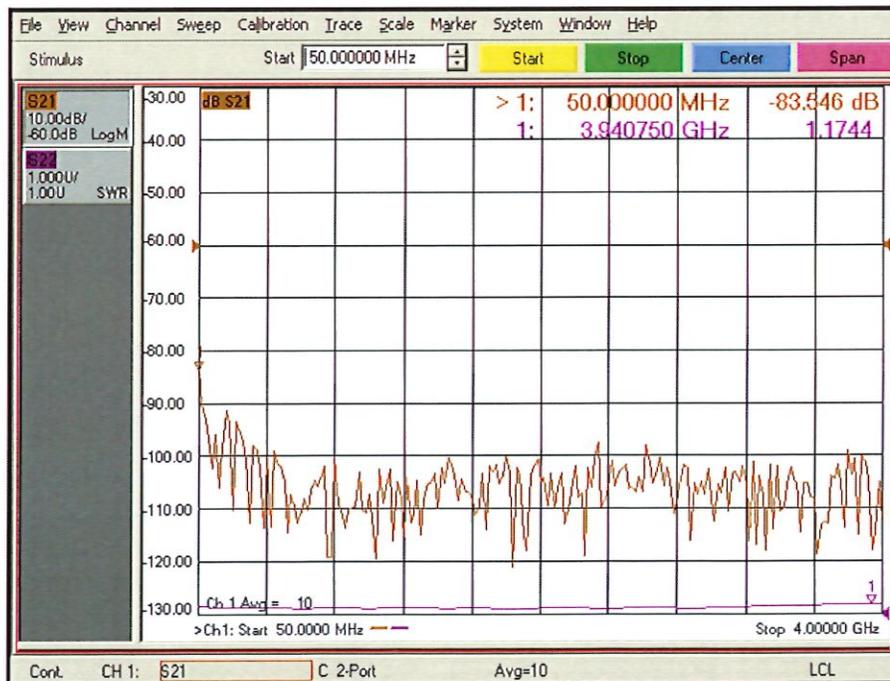
(J33-J11) Isolation and Termination Return Loss
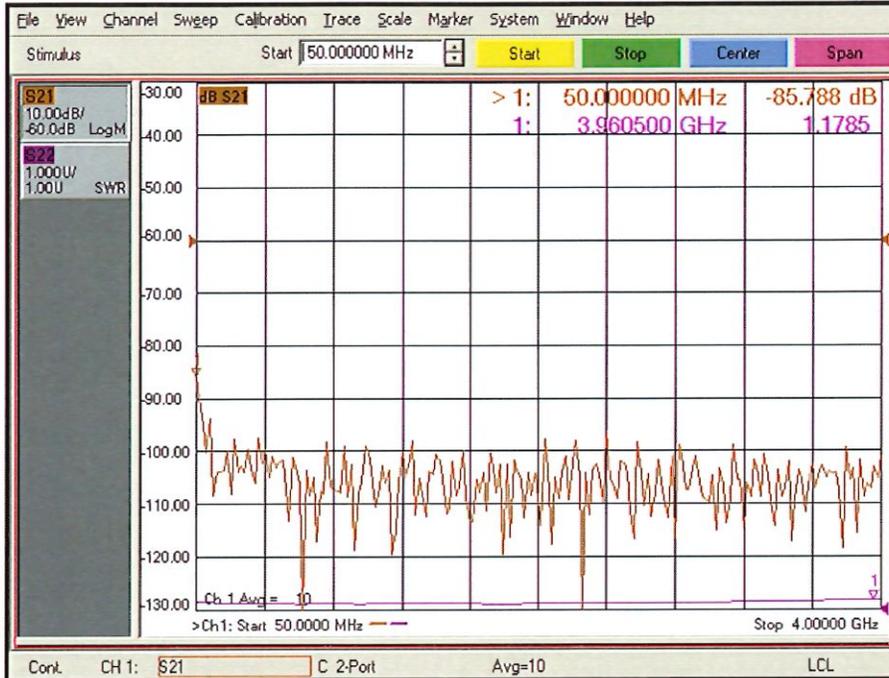
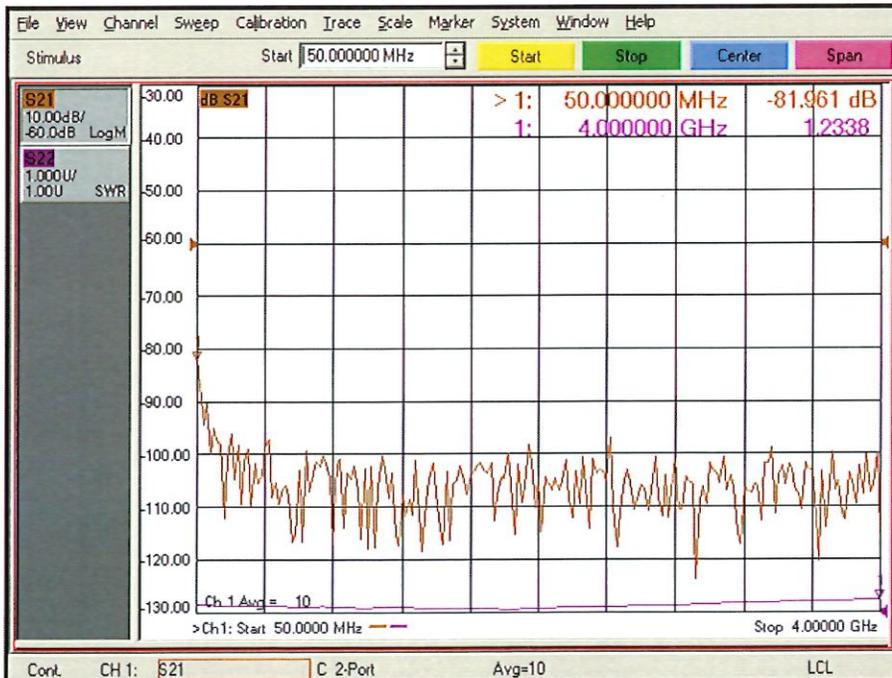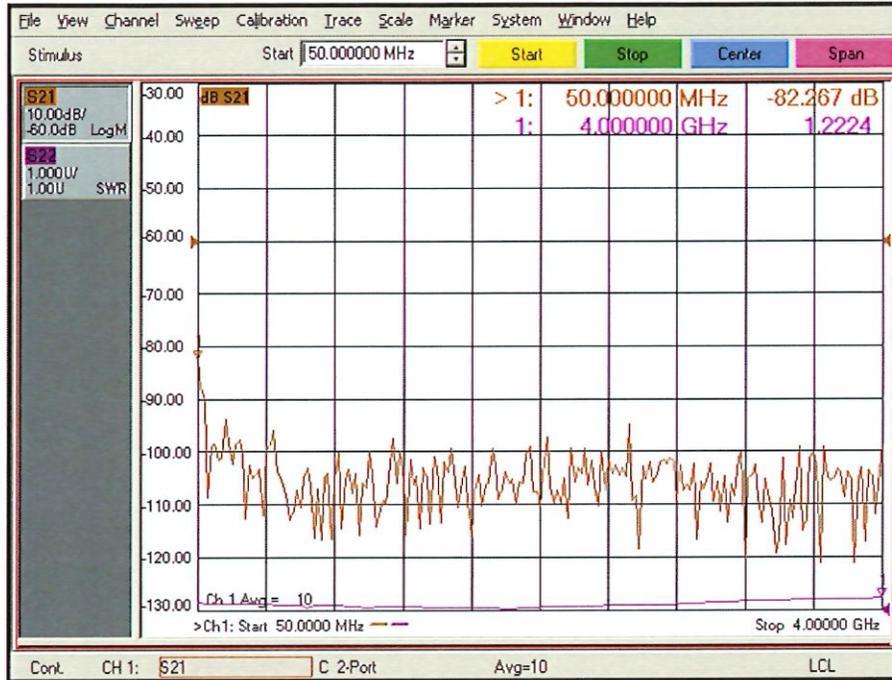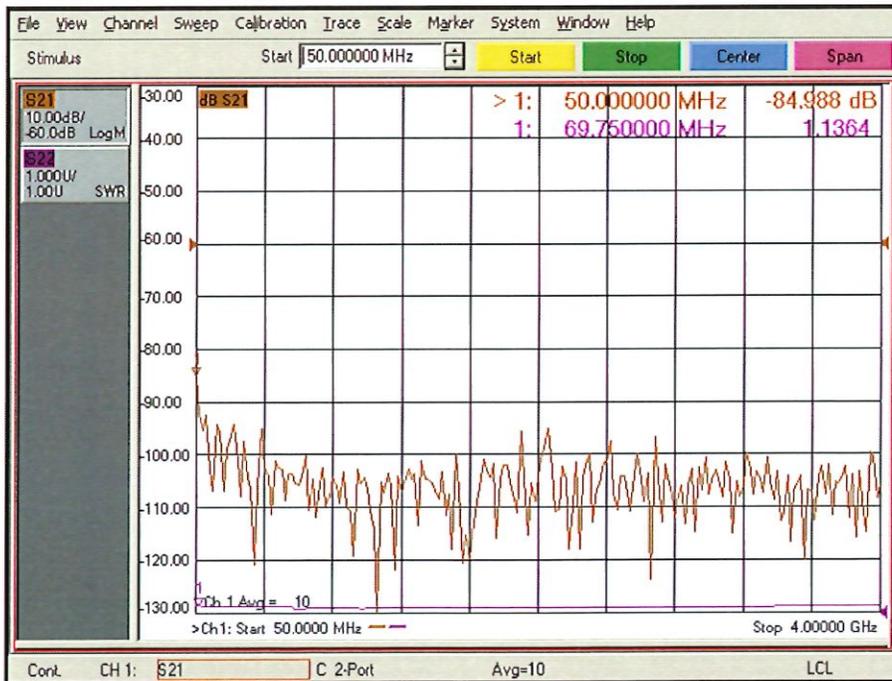## (J33-J12) Isolation and Termination Return Loss

(J33-J13) Isolation and Termination Return Loss

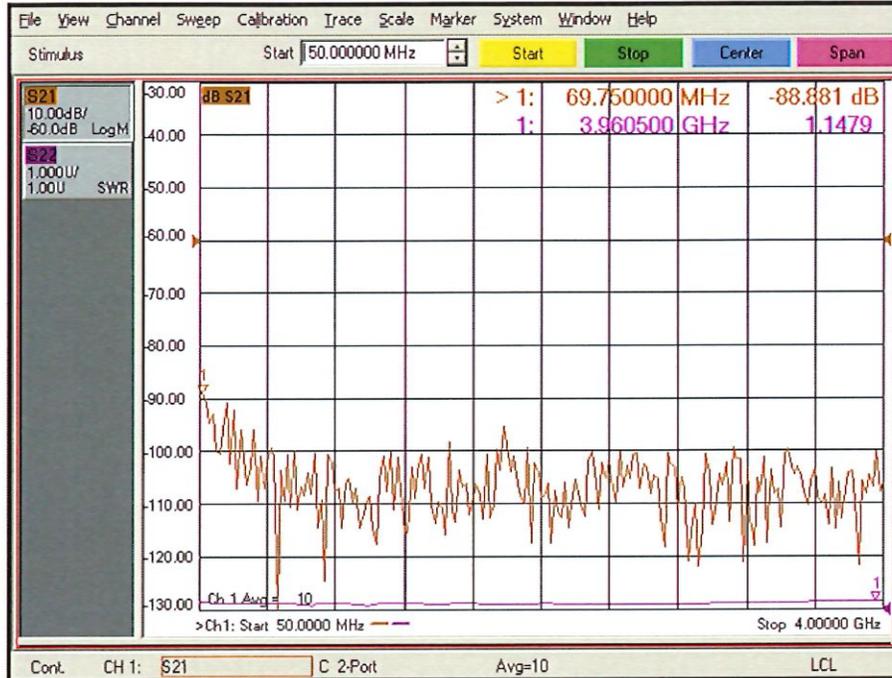## (J33-J14) Isolation and Termination Return Loss

<p style="text-align:center; color:red;">**SUMMARY TEST DATA
ON
P32T-0R5G18G-60-T-SFF-
OPT50M4G**</p>

<p style="text-align:right; color:red;">PL45330/2413</p>

(J33-J15) Isolation and Termination Return Loss

(J33-J16) Isolation and Termination Return Loss

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**SUMMARY TEST DATA
ON
P32T-0R5G18G-60-T-SFF-
OPT50M4G**

PL45330/2413

(J33-J17) Isolation and Termination Return Loss

(J33-J18) Isolation and Termination Return Loss

(J33-J19) Isolation and Termination Return Loss

(J33-J20) Isolation and Termination Return Loss

(J33-J21) Isolation and Termination Return Loss

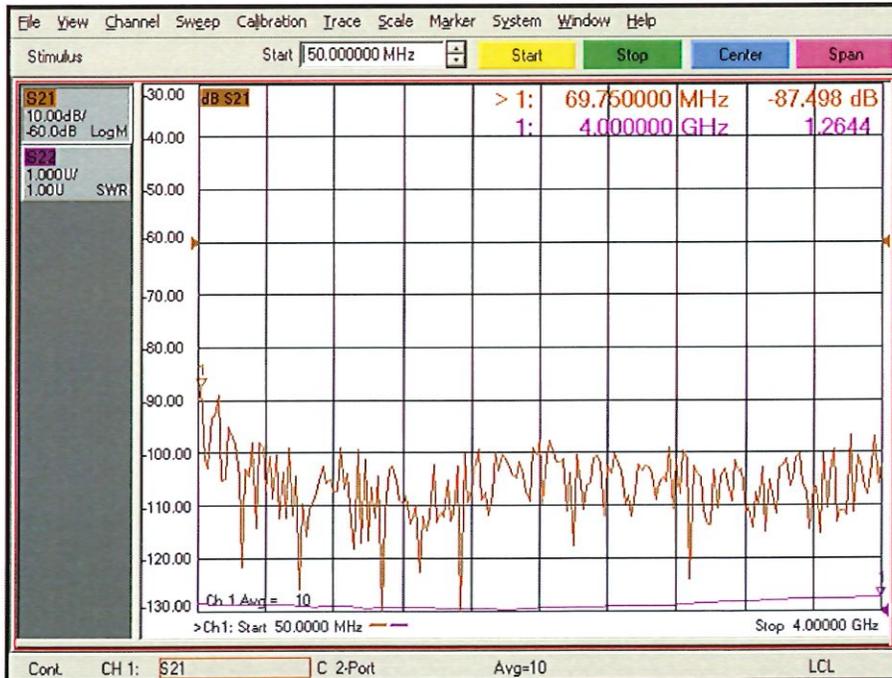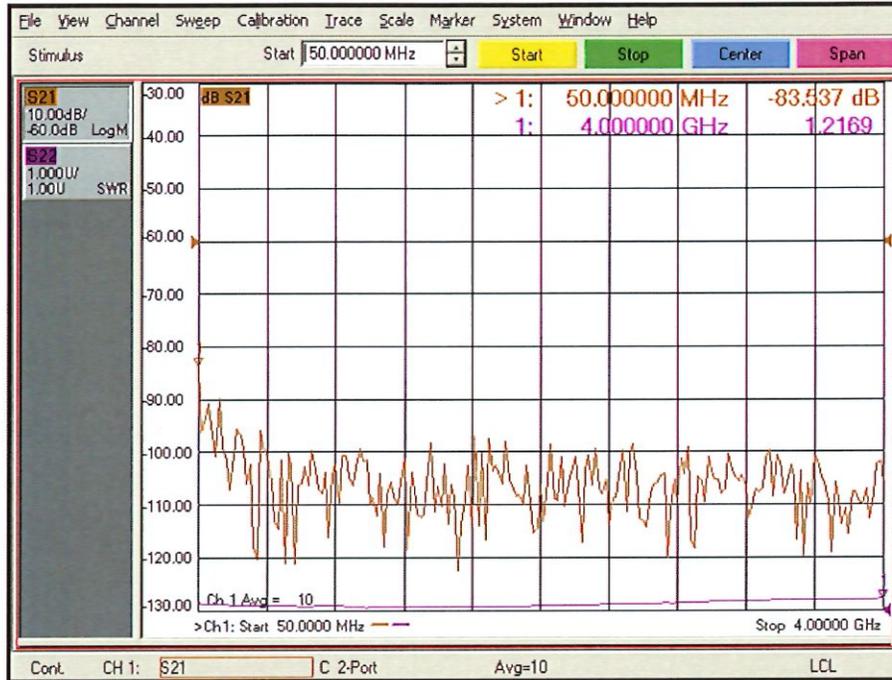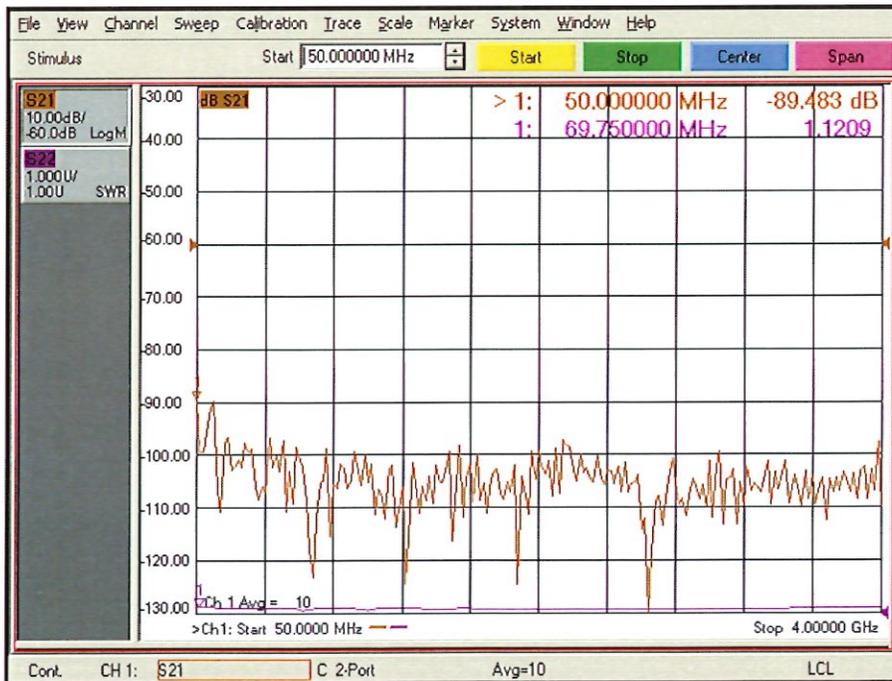## (J33-J22) Isolation and Termination Return Loss

SUMMARY TEST DATA
ON
P32T-0R5G18G-60-T-SFF-OPT50M4G

PL45330/2413

(J33-J23) Isolation and Termination Return Loss
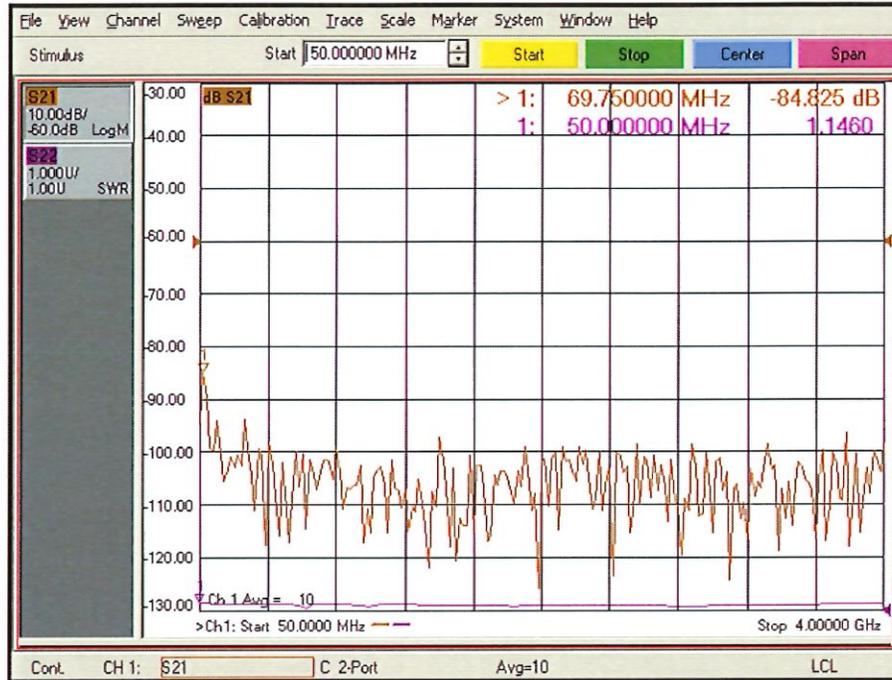

(J33-J24) Isolation and Termination Return Loss

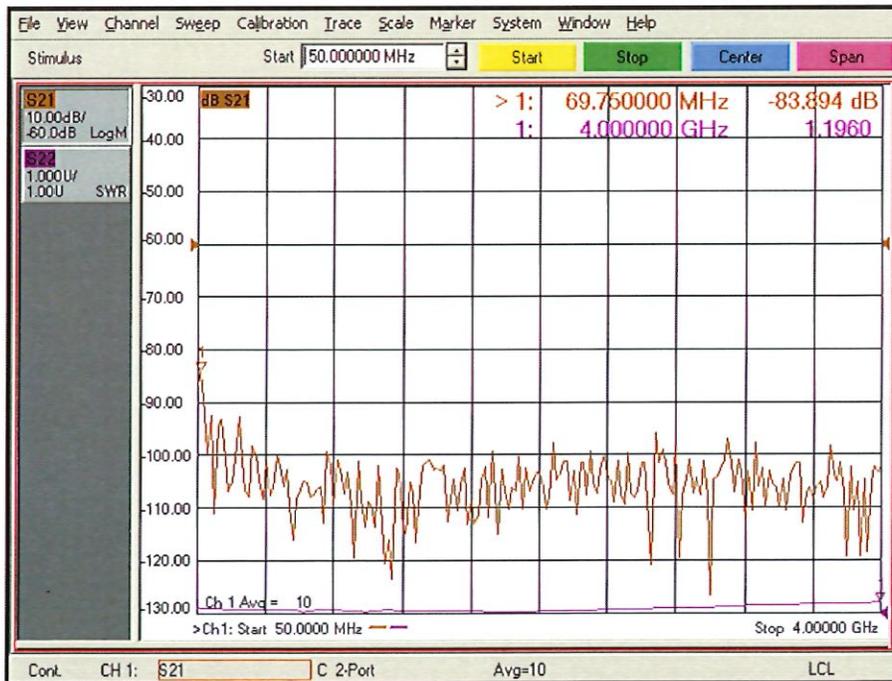## (J33-J25) Isolation and Termination Return Loss

(J33-J26) Isolation and Termination Return Loss

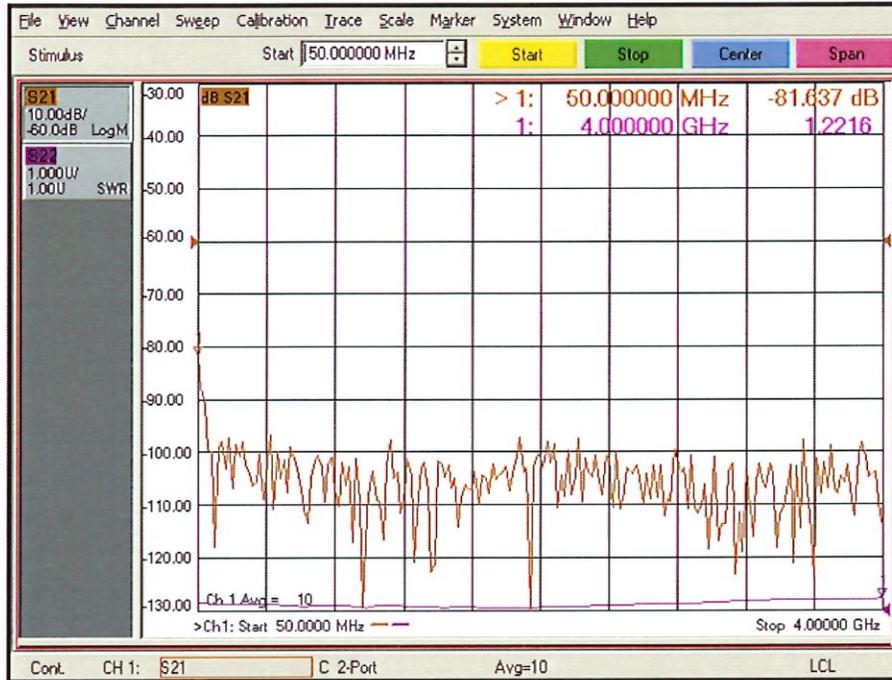## (J33-J27) Isolation and Termination Return Loss

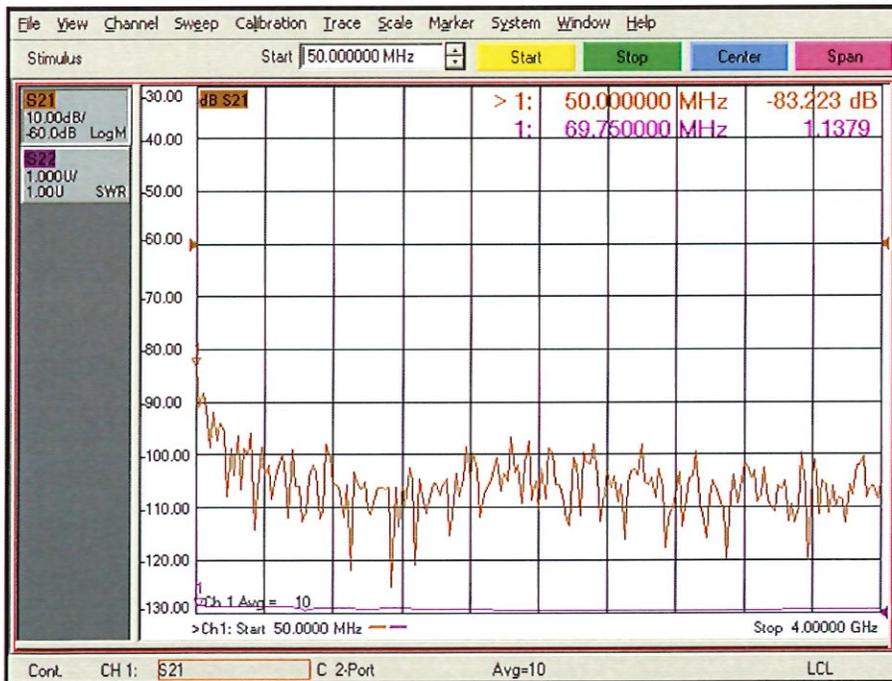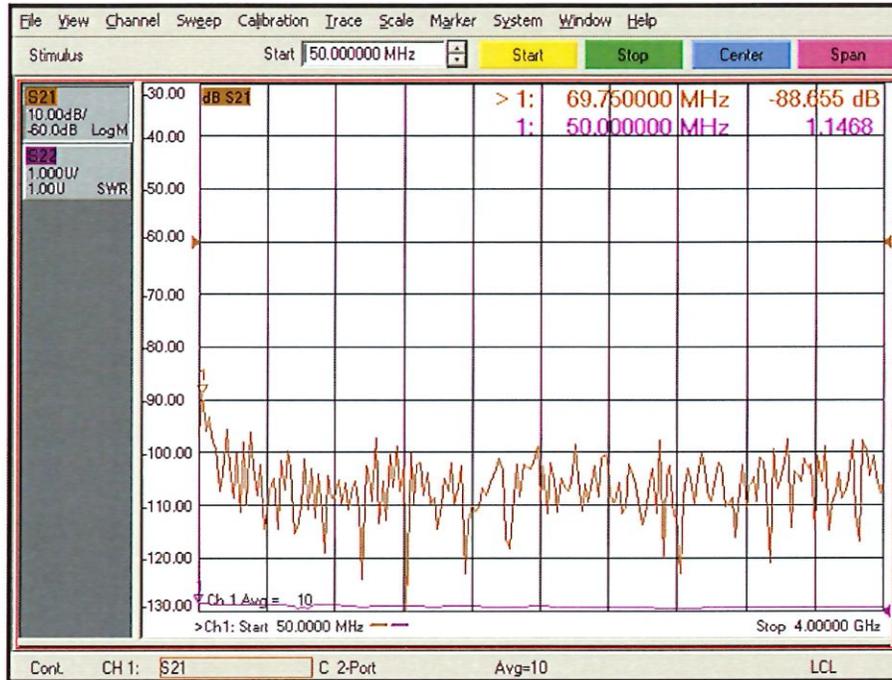## (J33-J28) Isolation and Termination Return Loss

(J33-J29) Isolation and Termination Return Loss

(J33-J30) Isolation and Termination Return Loss

(J33-J31) Isolation and Termination Return Loss

(J33-J32) Isolation and Termination Return Loss