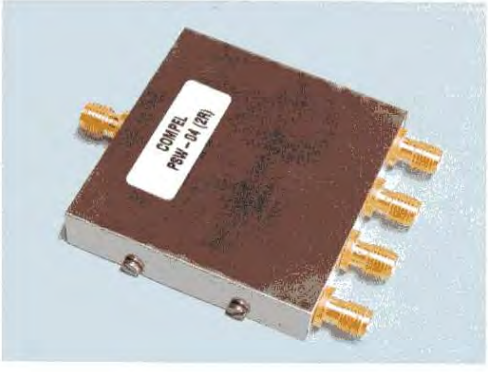
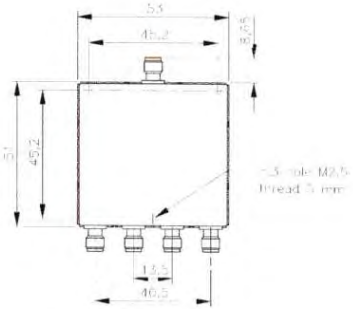
COMPEL®

4 WAY POWER SPLITTER



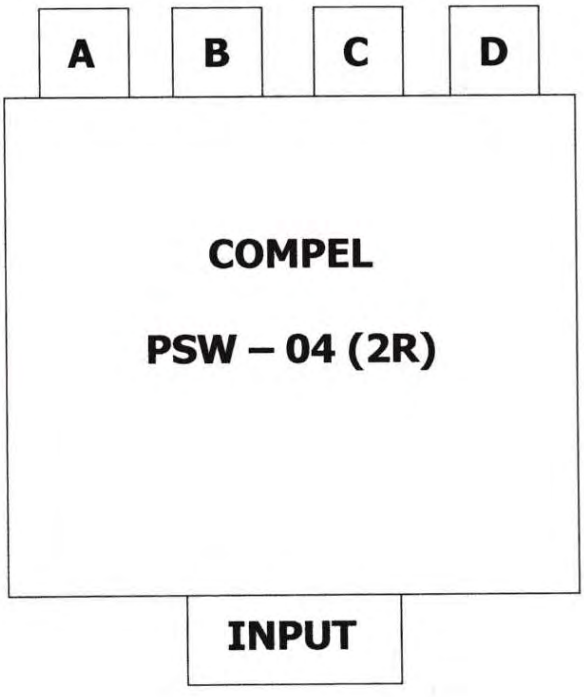


Model	PSW-04 (2R)
Impedance	50 Ω
Frequency Range	800 - 2300 MHz
Insertion Loss	≤ 7 dB (6,5 dB typ.)
Isolation	≥ 20 dB
VSWR (Input)	≤ 1,5
VSWR (Outputs)	≤ 1,5
Dimensions	51 x 53 x 10 mm

Max continuous power : 2 W
Connectors : SMA
Operating Temperature Range : -10 ÷ +70 °C
Storage Temperature Range : -55 ÷ +80 °C

Ordering P/N : 371.210.003

July 2003


A
B
C
D
COMPEL
PSW – 04 (2R)
INPUT

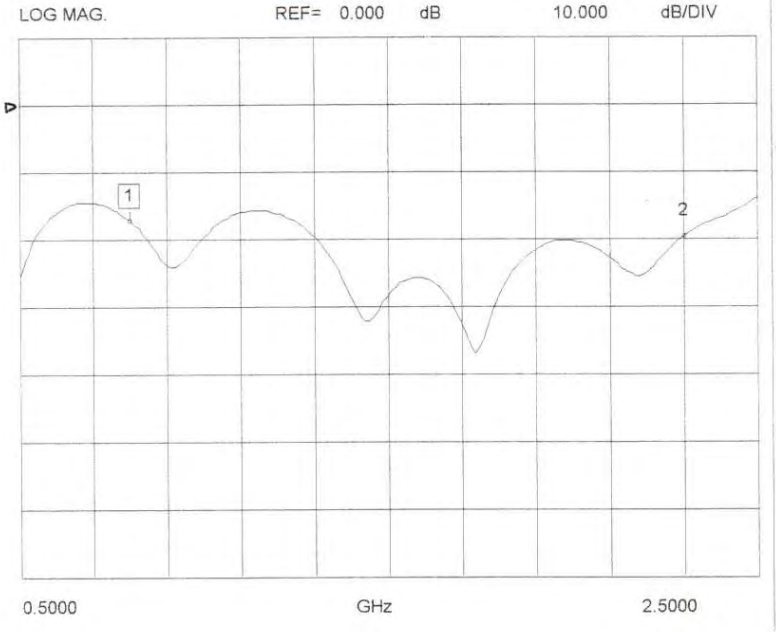
WILTRON

360 NETWORK ANALYZER

MODEL:	VSWR_INPUT	DATE:	18/07/2003
DEVICE:	PSW_04(28)	OPERATOR:	COMPEL_SC

START:	0.5000	GHz	GATE START:	ERROR CORR:	12 - TERM
STOP:	2.5000	GHz	GATE STOP:	AVERAGING:	1 PTS
STEP:	0.0120	GHz	GATE:	IF BNDWDTH:	REDUCED
			WINDOW:		

S11 FORWARD REFLECTION



CH 1 - S11
REF. PLANE
0.0000 mm

MARKER 1
0.8000 GHz
-17.159 dB

MARKER TO MAX
MARKER TO MIN

2 2.3000 GHz
-19.538 dB

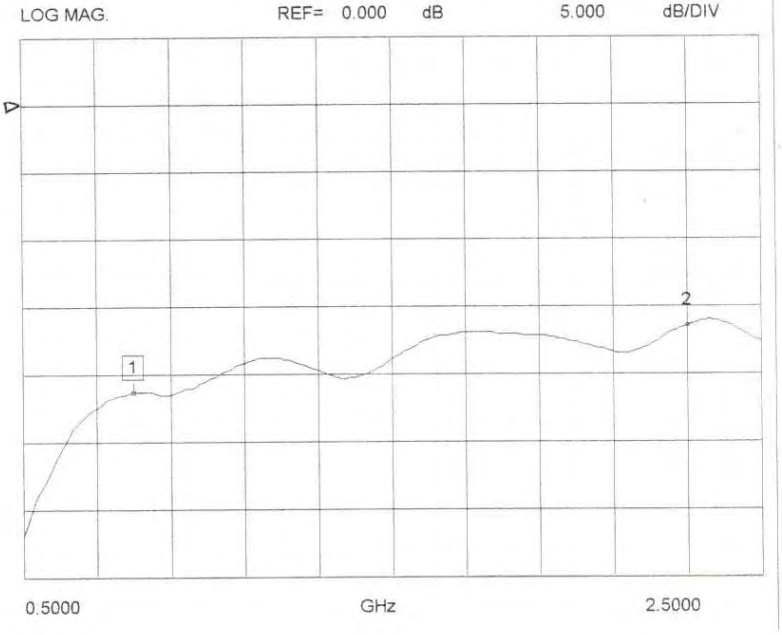
WILTRON

360 NETWORK ANALYZER

MODEL:	VSWR_A	DATE:	18/07/2003
DEVICE:	PSW_04(2R)	OPERATOR:	COMPEL_SC

START:	0.5000	GHz	GATE START:	ERROR CORR:	12 - TERM
STOP:	2.5000	GHz	GATE STOP:	AVERAGING:	1 PTS
STEP:	0.0120	GHz	GATE:	IF BNDWDTH:	REDUCED
			WINDOW:		

S22 REVERSE REFLECTION



CH 4 - S22
REF. PLANE
0.0000 mm

MARKER 1
0.8000 GHz
-21.361 dB

MARKER TO MAX
MARKER TO MIN

2 2.3000 GHz
-16.390 dB

WILTRON

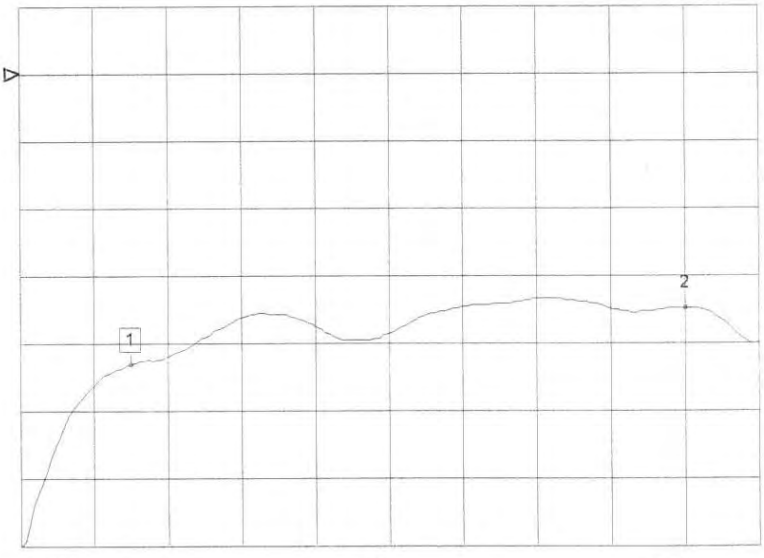
360 NETWORK ANALYZER

MODEL:	VSWR_B	DATE:	18/07/2003
DEVICE:	PSW_04(2R)	OPERATOR:	COMPEL_SC

START:	0.5000	GHz	GATE START:	ERROR CORR:	12 - TERM
STOP:	2.5000	GHz	GATE STOP:	AVERAGING:	1 PTS
STEP:	0.0120	GHz	GATE:	IF BNDWDTH:	REDUCED
			WINDOW:		

S22 REVERSE REFLECTION

LOG MAG. REF= 0.000 dB 5.000 dB/DIV



0.5000 GHz 2.5000

CH 4 - S22
REF. PLANE
0.0000 mm

MARKER 1
0.8000 GHz
-21.536 dB

MARKER TO MAX
MARKER TO MIN

2 2.3000 GHz
-17.344 dB

WILTRON

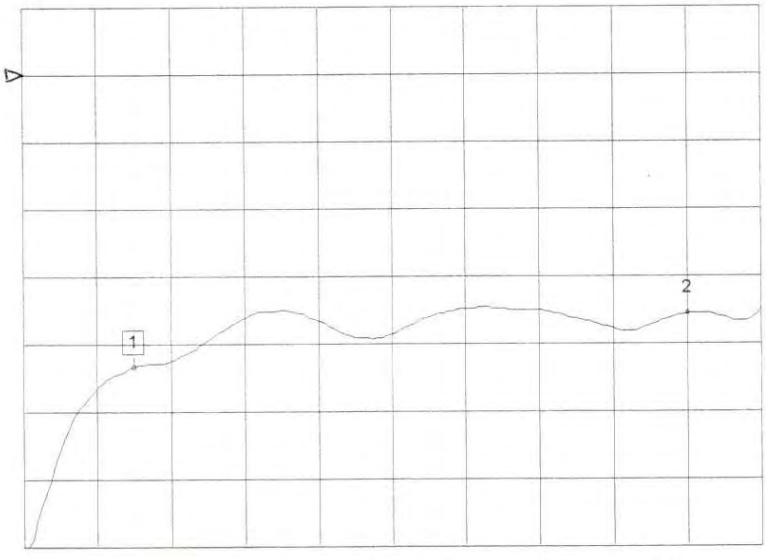
360 NETWORK ANALYZER

MODEL:	VSWR_C	DATE:	18/07/2003
DEVICE:	PSW_04(2R)	OPERATOR:	COMPEL_SC

START:	0.5000	GHz	GATE START:	ERROR CORR:	12 - TERM
STOP:	2.5000	GHz	GATE STOP:	AVERAGING:	1 PTS
STEP:	0.0120	GHz	GATE:	IF BNDWDTH:	REDUCED
			WINDOW:		

S22 REVERSE REFLECTION

LOG MAG. REF= 0.000 dB 5.000 dB/DIV



CH 4 - S22
REF. PLANE
0.0000 mm

MARKER 1
0.8000 GHz
-21.695 dB

MARKER TO MAX
MARKER TO MIN

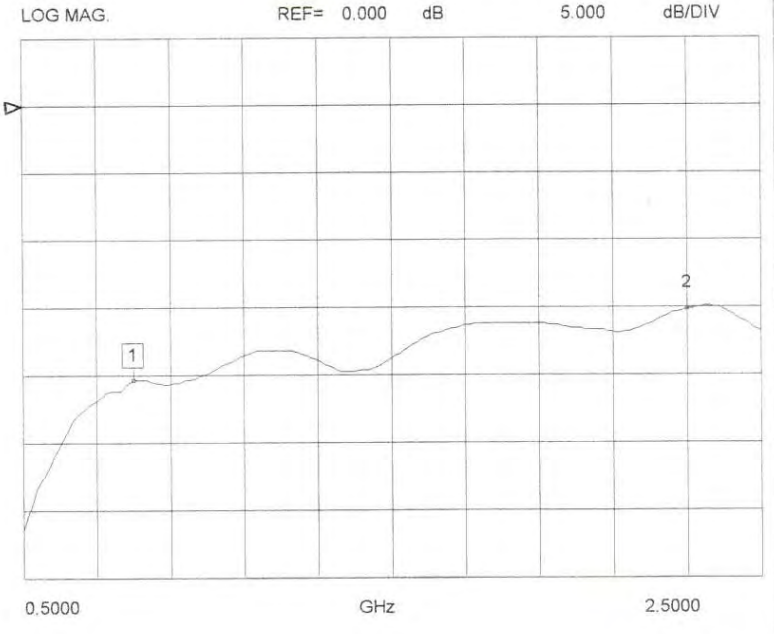
2 2.3000 GHz
-17.788 dB

WILTRON

360 NETWORK ANALYZER

MODEL:	VSWR_D		DATE:	18/07/2003	
DEVICE:	PSW_04(2R)		OPERATOR:	COMPEL_SC	
START:	0.5000	GHz	GATE START:	ERROR CORR:	12 - TERM
STOP:	2.5000	GHz	GATE STOP:	AVERAGING:	1 PTS
STEP:	0.0120	GHz	GATE:	IF BNDWDTH:	REDUCED
			WINDOW:		

S22 REVERSE REFLECTION



CH 4 - S22
REF. PLANE
0.0000 mm

MARKER 1
0.8000 GHz
-20.401 dB

MARKER TO MAX
MARKER TO MIN

2 2.3000 GHz
-15.146 dB

WILTRON

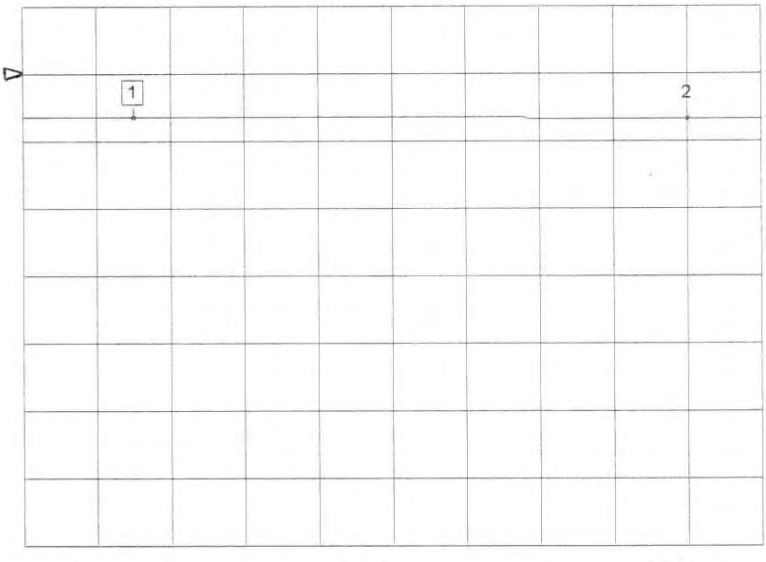
360 NETWORK ANALYZER

MODEL:	INS_LOSS_A	DATE:	18/07/2003
DEVICE:	PSW_04 (2R)	OPERATOR:	COMPEL_SC

START:	0.5000	GHz	GATE START:	ERROR CORR:	12 - TERM
STOP:	2.5000	GHz	GATE STOP:	AVERAGING:	1 PTS
STEP:	0.0120	GHz	GATE:	IF BNDWDTH:	REDUCED
			WINDOW:		

S12 REVERSE TRANSMISSION

LOG MAG. REF= 0.000 dB 10.000 dB/DIV



CH 2 - S12
REF. PLANE
0.0000 mm

MARKER 1
0.8000 GHz
-6.456 dB

MARKER TO MAX
MARKER TO MIN

2 2.3000 GHz
-6.629 dB

WILTRON

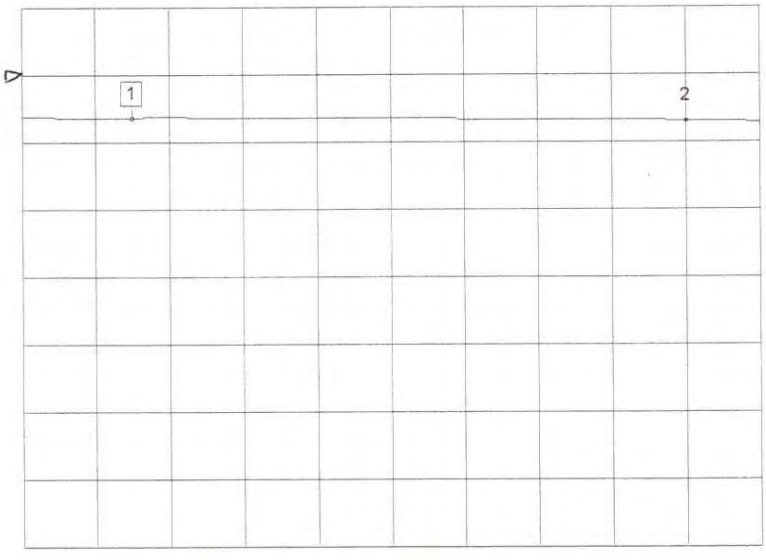
360 NETWORK ANALYZER

MODEL:	INS_LOSS_B	DATE:	18/07/2003
DEVICE:	PSW_04(2R)	OPERATOR:	COMPEL_SC

START:	0.5000	GHz	GATE START:	ERROR CORR:	12 - TERM
STOP:	2.5000	GHz	GATE STOP:	AVERAGING:	1 PTS
STEP:	0.0120	GHz	GATE:	IF BNDWDTH:	REDUCED
			WINDOW:		

S12 REVERSE TRANSMISSION

LOG MAG. REF= 0.000 dB 10.000 dB/DIV



CH 2 - S12
REF. PLANE
0.0000 mm

MARKER 1
0.8000 GHz
-6.343 dB

MARKER TO MAX
MARKER TO MIN

2 2.3000 GHz
-6.836 dB

WILTRON

360 NETWORK ANALYZER

MODEL:	INS_LOSS_C	DATE:	18/07/2003
DEVICE:	PSW_04(2R)	OPERATOR:	COMPEL_SC

START:	0.5000	GHz	GATE START:	ERROR CORR:	12 - TERM
STOP:	2.5000	GHz	GATE STOP:	AVERAGING:	1 PTS
STEP:	0.0120	GHz	GATE:	IF BNDWDTH:	REDUCED
			WINDOW:		

S12 REVERSE TRANSMISSION

LOG MAG. REF= 0.000 dB 10.000 dB/DIV

0.5000 GHz 2.5000

CH 2 - S12
REF. PLANE
0.0000 mm

MARKER 1
0.8000 GHz
-6.316 dB

MARKER TO MAX
MARKER TO MIN

2 2.3000 GHz
-6.772 dB

WILTRON

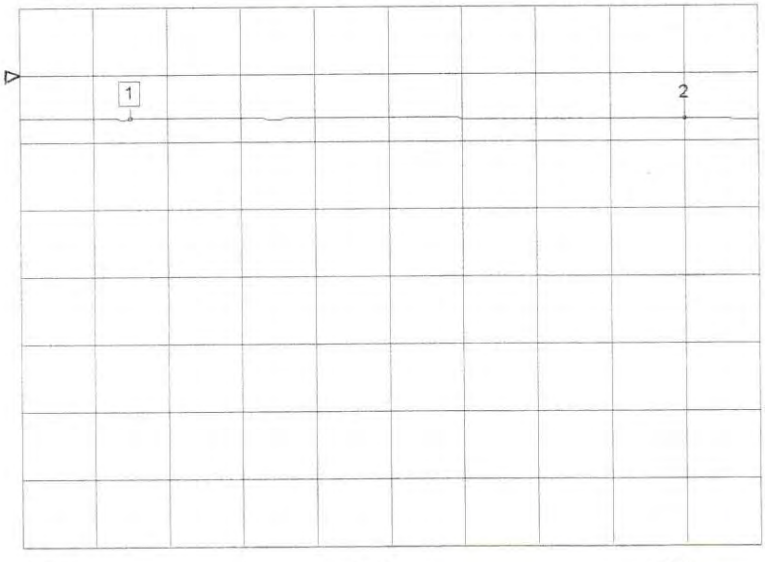
360 NETWORK ANALYZER

MODEL:	INS_LOSS_D	DATE:	18/07/2003
DEVICE:	PSW_04(2R)	OPERATOR:	COMPEL_SC

START:	0.5000	GHz	GATE START:	ERROR CORR:	12 - TERM
STOP:	2.5000	GHz	GATE STOP:	AVERAGING:	1 PTS
STEP:	0.0120	GHz	GATE:	IF BNDWDTH:	REDUCED
			WINDOW:		

S12 REVERSE TRANSMISSION

LOG MAG. REF= 0.000 dB 10.000 dB/DIV



0.5000 GHz 2.5000

CH 2 - S12
REF. PLANE
0.0000 mm

MARKER 1
0.8000 GHz
-6.527 dB

MARKER TO MAX
MARKER TO MIN

2 2.3000 GHz
-6.724 dB

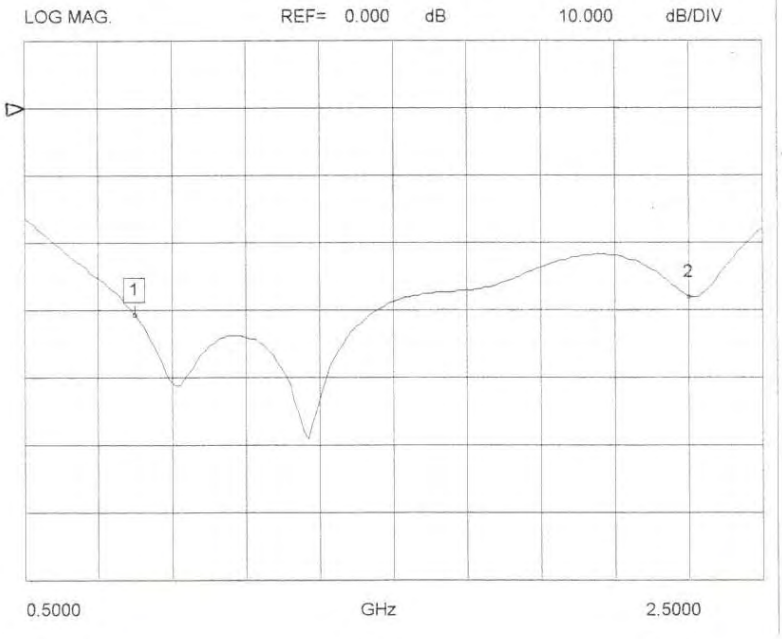
WILTRON

360 NETWORK ANALYZER

MODEL:	ISOLATION_AB	DATE:	18/07/2003
DEVICE:	PSW_04 (2R)	OPERATOR:	COMPEL_SC

START:	0.5000	GHz	GATE START:	ERROR CORR:	12 - TERM
STOP:	2.5000	GHz	GATE STOP:	AVERAGING:	1 PTS
STEP:	0.0120	GHz	GATE:	IF BNDWDTH:	REDUCED
			WINDOW:		

S12 REVERSE TRANSMISSION



CH 2 - S12
REF. PLANE
0.0000 mm

MARKER 1
0.8000 GHz
-30.705 dB

MARKER TO MAX
MARKER TO MIN

2 2.3000 GHz
-28.005 dB

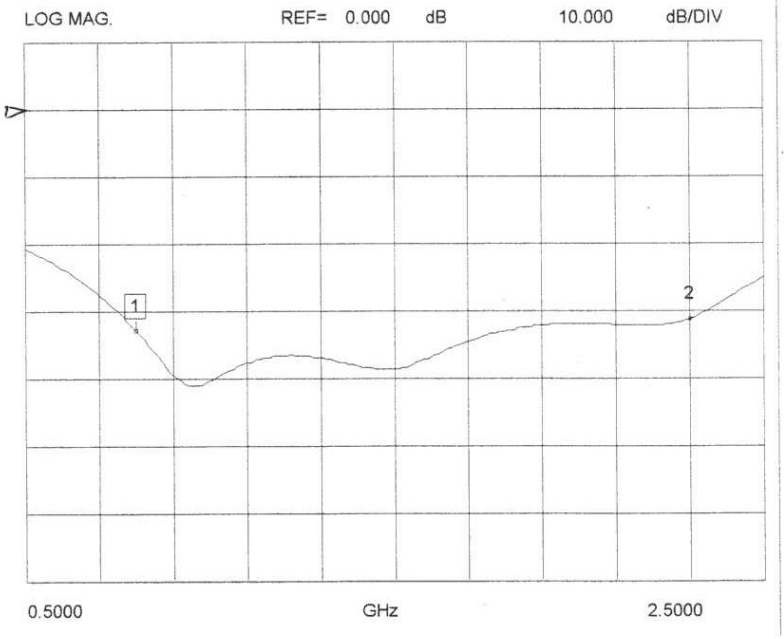
WILTRON

360 NETWORK ANALYZER

MODEL:	ISOLATION_BC	DATE:	18/07/2003
DEVICE:	PSW_04 (2R)	OPERATOR:	COMPEL_SC

START:	0.5000	GHz	GATE START:	ERROR CORR:	12 - TERM
STOP:	2.5000	GHz	GATE STOP:	AVERAGING:	1 PTS
STEP:	0.0120	GHz	GATE:	IF BNDWDTH:	REDUCED
			WINDOW:		

S12 REVERSE TRANSMISSION



CH 2 - S12
REF. PLANE
0.0000 mm

MARKER 1
0.8000 GHz
-32.907 dB

MARKER TO MAX
MARKER TO MIN

2 2.3000 GHz
-31.122 dB

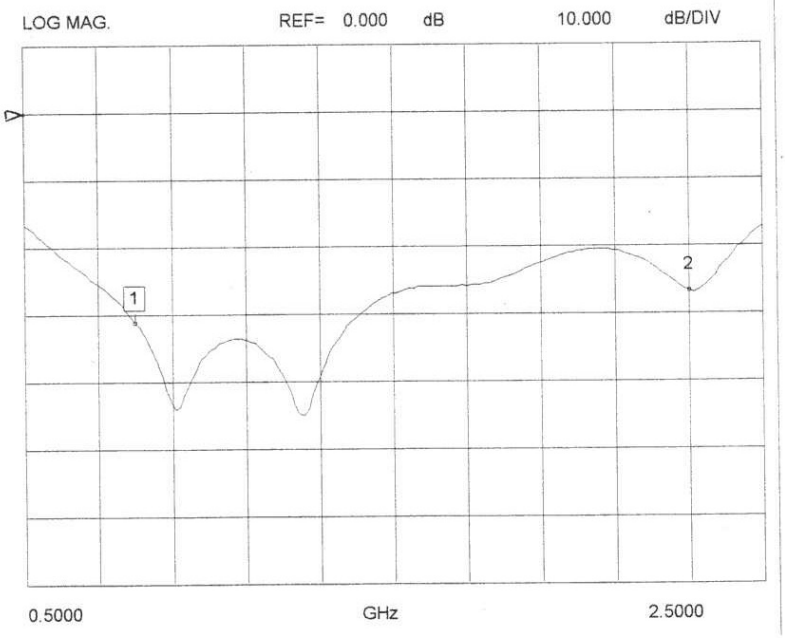
WILTRON

360 NETWORK ANALYZER

MODEL:	ISOLATION_CD	DATE:	18/07/2003
DEVICE:	PSW_04 (2R)	OPERATOR:	COMPEL_SC

START:	0.5000	GHz	GATE START:	ERROR CORR:	12 - TERM
STOP:	2.5000	GHz	GATE STOP:	AVERAGING:	1 PTS
STEP:	0.0120	GHz	GATE:	IF BNDWDTH:	REDUCED
			WINDOW:		

S12 REVERSE TRANSMISSION



CH 2 - S12
REF. PLANE
0.0000 mm

MARKER 1
0.8000 GHz
-31.089 dB

MARKER TO MAX
MARKER TO MIN

2 2.3000 GHz
Δ -26.707 dB