Main

9 Start

3 Get PNA IDN and Preset PNA

```
WRITE TEXT "*IDN?" EOL
READ TEXT x STR
< Double-Click to Add Transaction >
```

x

4 AlphaNumeric

Agilent Technologies,E8364B,MY43040467,A.04.86

46 Create S21, S12, and S22 Measurements

```
WRITE TEXT "calc1:par:def \'CH1_S21_1\',S21" EOL
WRITE TEXT "calc1:par:def \'CH1_S12_1\',S12" EOL
WRITE TEXT "calc1:par:def \'CH1_S22_1\',S22" EOL
< Double-Click to Add Transaction >
```

55 Assumptions

```
This program assumes that the first measurement
after a preset "CH1_S11_1" is present and
measuring S11.  It also assumes that a full 2 port
calibration is active, since it must make 2 sweeps to
get the necessary data to perform error correction.
```

54 Push S21, S12, and S22 Measurements to Screen

```
WRITE TEXT "disp:wind1:trac2:feed \'CH1_S21_1\'" EOL
WRITE TEXT "disp:wind1:trac3:feed \'CH1_S12_1\'" EOL
WRITE TEXT "disp:wind1:trac4:feed \'CH1_S22_1\'" EOL
< Double-Click to Add Transaction >
```

1 Turn of Continuous Sweep

```
WRITE TEXT "INIT:CONT OFF" EOL
< Double-Click to Add Transaction >
```

numpts

44 AlphaNumeric

1

15 Set Single Trigger, Wait for End of Sweep, and Set FORM

```
WRITE TEXT "INIT:IMM" EOL
WRITE TEXT "*OPC?" EOL
READ TEXT x INT16
WRITE TEXT "FORM REAL,32" EOL
< Double-Click to Add Transaction >
```

x

42 Read S11

```
WRITE TEXT "calc1:par:sel \'CH1_S11_1\'" EOL
WRITE TEXT "calc1:data? sdata" EOL
READ BINBLOCK x REAL32 ARRAY:*,2
< Double-Click to Add Transaction >
```

x

2 S11

	0:	1:
000:	-0.1056	21.58m
001:	-37.91m	7.129m
002:	-47.44m	18.74m
003:	-9.893m	-4.313m
004:	-3.3m	6.373m
005:	16.06m	-16.63m
006:	33.42m	-16.76m

48 Read S21

```
WRITE TEXT "calc1:par:sel \'CH1_S21_1\'" EOL
WRITE TEXT "calc1:data? sdata" EOL
READ BINBLOCK x REAL32 ARRAY:*,2
< Double-Click to Add Transaction >
```

x

49 S21

	0:	1:
000:	0.857	-0.4016
001:	0.543	0.7579
002:	-0.6347	0.6557
003:	-0.7394	-0.5432
004:	0.4001	-0.7947
005:	0.8451	0.2716
006:	-0.1627	0.8756
007:	-0.8456	7.916m

50 Read S12

```
WRITE TEXT "calc1:par:sel \'CH1_S12_1\'" EOL
WRITE TEXT "calc1:data? sdata" EOL
READ BINBLOCK x REAL32 ARRAY:*,2
< Double-Click to Add Transaction >
```

x

51 S12

	0:	1:
000:	0.8523	-0.4483
001:	0.6748	0.6096
002:	-0.3438	0.8219
003:	-0.8888	-68.77m
004:	-0.2307	-0.8505
005:	0.7239	-0.4805
006:	0.6771	0.5287
007:	-0.2536	0.7995

52 Read S22

```
WRITE TEXT "calc1:par:sel \'CH1_S22_1\'" EOL
WRITE TEXT "calc1:data? sdata" EOL
READ BINBLOCK x REAL32 ARRAY:*,2
< Double-Click to Add Transaction >
```

x

53 S22

	0:	1:
000:	71.91m	0.1099
001:	-33.71m	7.265m
002:	-25.18m	10.92m
003:	4.115m	-1.63m
004:	24.25m	6.371m
005:	26.42m	-30.09m
006:	13.51m	-33.5m
007:	5.25m	-72.96m

56 Read Frequency Values

```
WRITE TEXT "sens1:x:val?" EOL
READ BINBLOCK x REAL32 ARRAY:*
< Double-Click to Add Transaction >
```

x

57 Frequency

000: 10M
001: 259.9M
002: 509.9M
003: 759.8M
004: 1.01G
005: 1.26G
006: 1.51G
007: 1.76G
008: 2.01G

Main "Main"