

SUMMARY TEST DATA

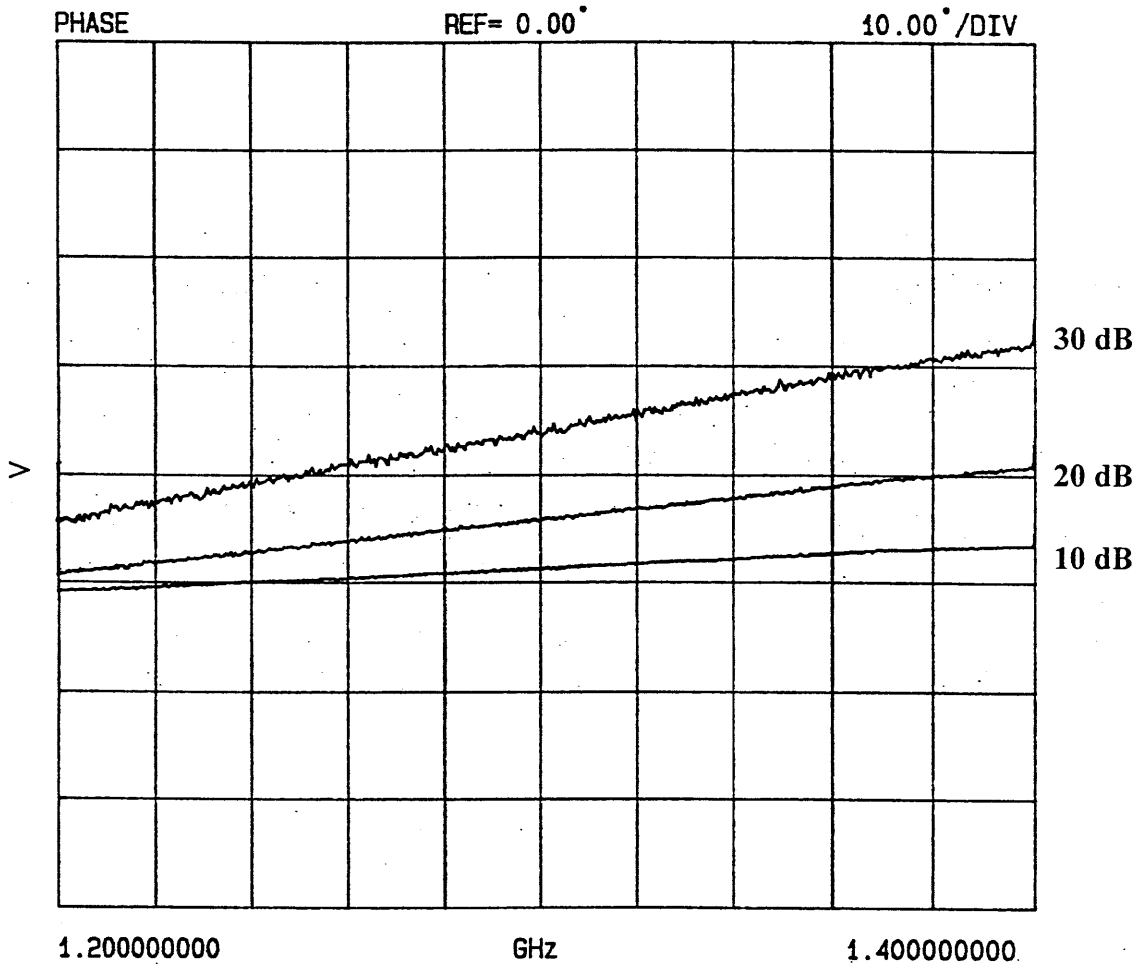


MODEL NUMBER
SERIAL NUMBER
TECHNICIAN

: AGH-1020D OPT. 004, 005, 103F, WI
: AH905133
: HOLLY HAHN

PHASE SHIFT*
J1-J2; 25°C

S21 FORWARD TRANSMISSION



| FREQUENCY | PHASE SHIFT | | |
|-----------|---------------------|---------------------|---------------------|
| | @ 10 dB ATTENUATION | @ 20 dB ATTENUATION | @ 30 dB ATTENUATION |
| 1.2 GHz | -10.92° | -9.35° | -4.39° |
| 1.4 GHz | -6.54° | 0.78° | 12.02° |

*J1: INPUT ARM; REFERENCE PHASE @ 0 dB PROGRAMMED ATTENUATION

December 9, 1999

SUMMARY TEST DATA

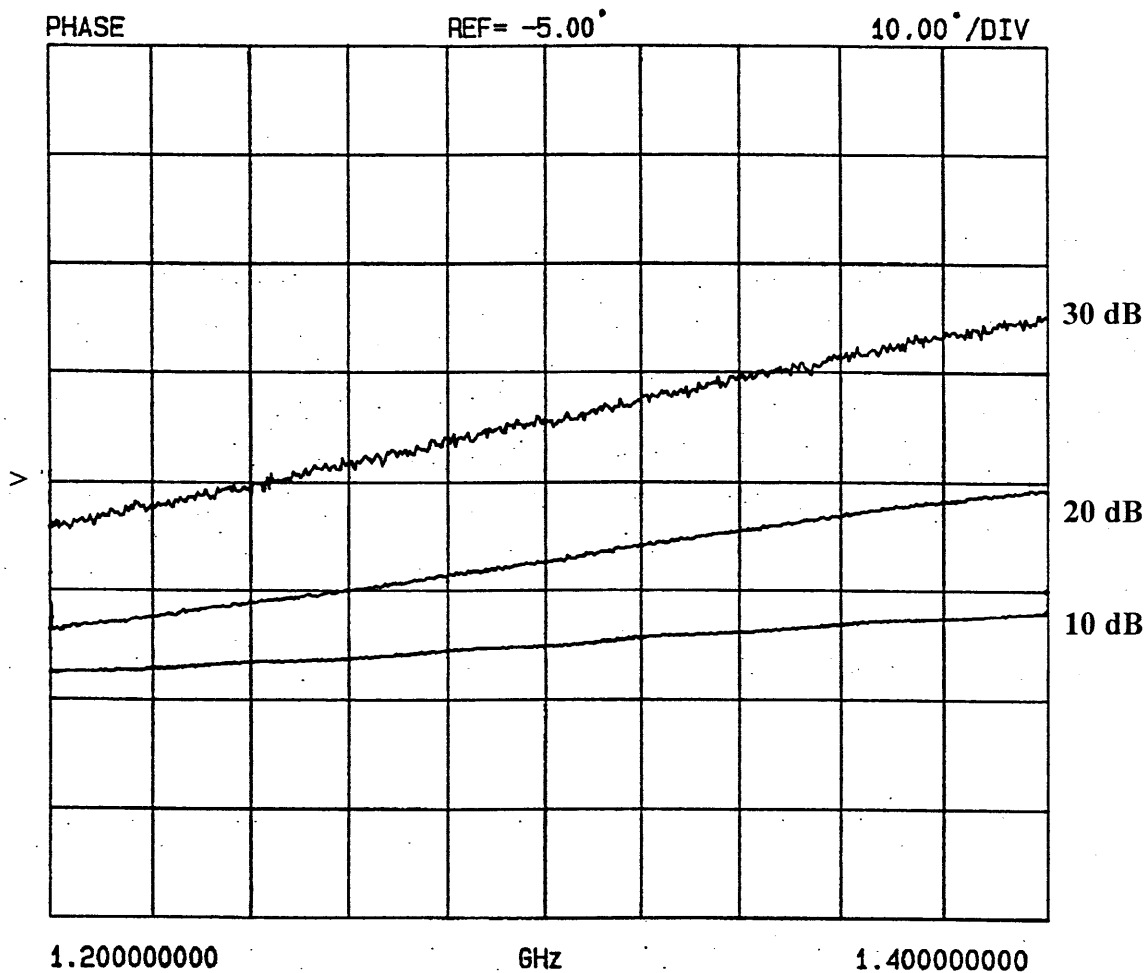


MODEL NUMBER
SERIAL NUMBER
TECHNICIAN

: AGH-1020D OPT. 004, 005, 103F, WI
: AH905133
: HOLLY HAHN

PHASE SHIFT*
J1-J2; -40°C

S21 FORWARD TRANSMISSION



| FREQUENCY | PHASE SHIFT | | |
|-----------|---------------------|---------------------|---------------------|
| | @ 10 dB ATTENUATION | @ 20 dB ATTENUATION | @ 30 dB ATTENUATION |
| 1.2 GHz | -22.60° | -18.53° | -5.44° |
| 1.4 GHz | -17.04° | -9.30° | 10.38° |

*J1: INPUT ARM; REFERENCE PHASE @ 0 dB PROGRAMMED ATTENUATION

December 9, 1999

SUMMARY TEST DATA

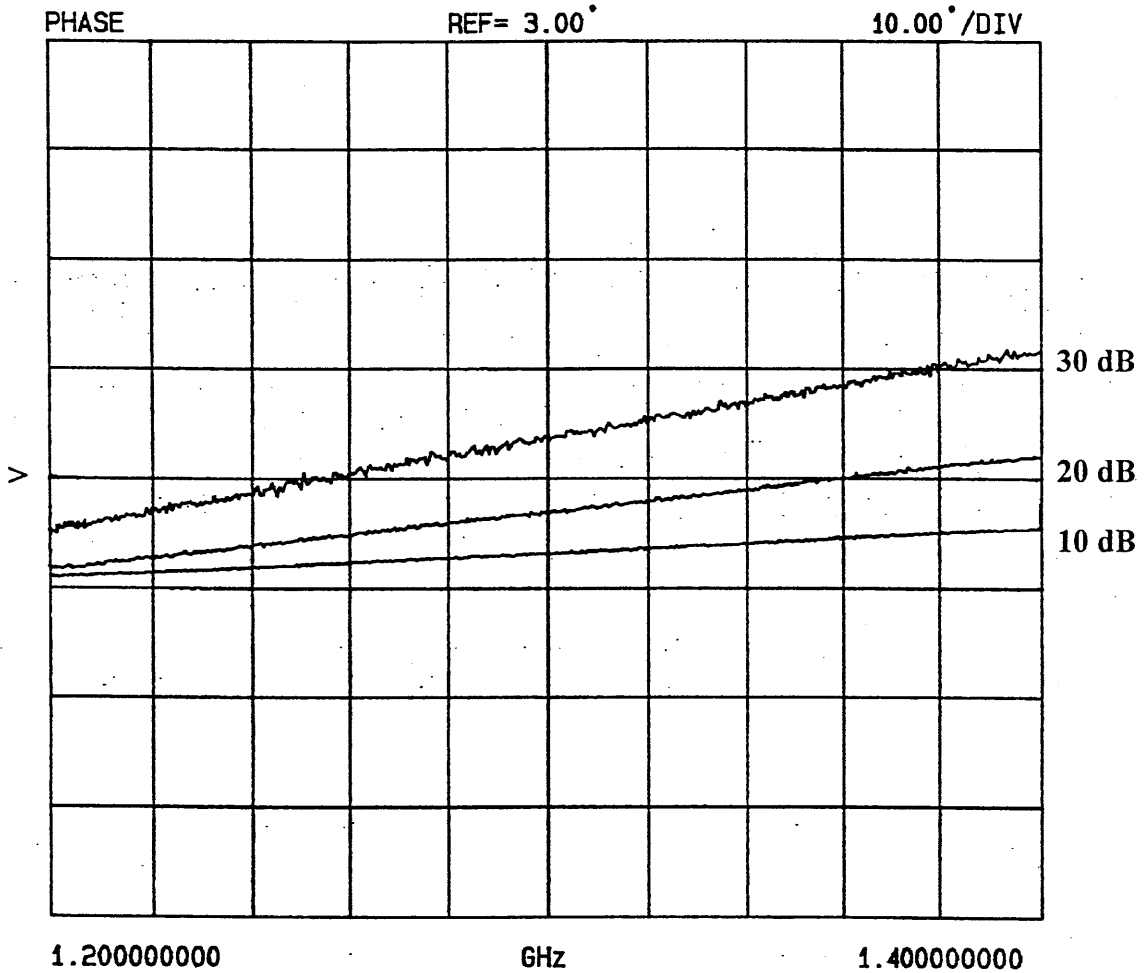


MODEL NUMBER
SERIAL NUMBER
TECHNICIAN

: AGH-1020D OPT. 004, 005, 103F, WI
: AH905133
: HOLLY HAHN

PHASE SHIFT*
J1-J2; 70°C

S21 FORWARD TRANSMISSION



| FREQUENCY | PHASE SHIFT | | |
|-----------|---------------------|---------------------|---------------------|
| | @ 10 dB ATTENUATION | @ 20 dB ATTENUATION | @ 30 dB ATTENUATION |
| 1.2 GHz | -6.01° | -5.15° | -1.98° |
| 1.4 GHz | -1.57° | 5.04° | 14.86° |

*J1: INPUT ARM; REFERENCE PHASE @ 0 dB PROGRAMMED ATTENUATION

December 9, 1999