



**FINAL TEST DATA  
ON  
ATTENUATOR ASSEMBLY**

CUSTOMER: NORTHROP GRUMMAN

JOB NO: P508039

MODEL NO: SAA-218-6-993-013542

SERIAL NO: PM602914

CURRENT DRAW: + 5 VDC @ 240 mA; - 5 VDC @ 264 mA

TECHNICIAN: E. ELDER

NGC P/N: 037-005334-0001

OPTION NO: HERM

SPECIFICATION: \_\_\_\_\_

FREQUENCY RANGE: 2 - 18 GHz

INSERTION LOSS (WORST CASE)	RETURN LOSS (WORST CASE)					
	INPUT dB	INPUT VSWR	OUTPUT ON db	OUTPUT ON VSWR	OUTPUT OFF db	OUTPUT OFF VSWR
J2-J8 "1" 2.90 dB @ 2-18 GHz	9.63 dB	1.199 : 1	9.72 dB	1.197 : 1	dB	1.1 : 1
J2-J8 "0" 21.12 dB @ 2-18 GHz	9.95 dB	1.193 : 1	10.75 dB	1.182 : 1	dB	1.1 : 1
J3-J9 "1" 2.87 dB @ 2-18 GHz	14.97 dB	1.143 : 1	13.97 dB	1.150 : 1	dB	1.1 : 1
J3-J9 "0" 21.88 dB @ 2-18 GHz	10.46 dB	1.186 : 1	11.06 dB	1.178 : 1	dB	1.1 : 1
J4-J10 "1" 2.74 dB @ 2-18 GHz	10.81 dB	1.181 : 1	12.12 dB	1.166 : 1	dB	1.1 : 1
J4-J10 "0" 20.19 dB @ 2-18 GHz	12.42 dB	1.163 : 1	11.76 dB	1.170 : 1	dB	1.1 : 1
J5-J11 "1" 2.73 dB @ 2-18 GHz	11.34 dB	1.174 : 1	11.36 dB	1.174 : 1	dB	1.1 : 1
J5-J11 "0" 20.67 dB @ 2-18 GHz	12.66 dB	1.161 : 1	11.01 dB	1.178 : 1	dB	1.1 : 1
J6-J12 "1" 2.90 dB @ 2-18 GHz	10.33 dB	1.188 : 1	10.98 dB	1.179 : 1	dB	1.1 : 1
J6-J12 "0" 19.45 dB @ 2-18 GHz	11.05 dB	1.178 : 1	9.82 dB	1.195 : 1	dB	1.1 : 1
J7-J13 "1" 2.88 dB @ 2-18 GHz	11.06 dB	1.178 : 1	10.09 dB	1.191 : 1	dB	1.1 : 1
J7-J13 "0" 20.52 dB @ 2-18 GHz	11.58 dB	1.172 : 1	12.83 dB	1.159 : 1	dB	1.1 : 1
RESPONSE TIME						
J2 - J8	60 nS					
J3 - J9	60 nS					
J4 - J10	60 nS					
J5 - J11	60 nS					
J6 - J12	60 nS					
J7 - J13	60 nS					

NOTE: Any additional test data on back

TESTED ON: HP 8720D



DATED: 2/23/06

QA/QC APPROVAL: \_\_\_\_\_



**FINAL TEST DATA  
ON  
ATTENUATOR ASSEMBLY**

**CUSTOMER:** NORTHROP GRUMMAN  
**JOB NO:** P508039  
**MODEL NO:** SAA-218-6-193-013542  
**SERIAL NO:** PM602915  
**CURRENT DRAW:** + 5 VDC @ 240 mA; - 5 VDC @ 264 mA

**TECHNICIAN:** E. ELDER  
**NGC P/N:** 037-005334-0001  
**OPTION NO:** HERM  
**SPECIFICATION:** \_\_\_\_\_  
**FREQUENCY RANGE:** 2 - 18 GHz

INSERTION LOSS (WORST CASE)	RETURN LOSS (WORST CASE)					
	INPUT dB	INPUT VSWR	OUTPUT ON db	OUTPUT ON VSWR	OUTPUT OFF db	OUTPUT OFF VSWR
J2-J8 "1" 2.85 dB @ 2-18 GHz	10.54 dB	1.85 : 1	10.43 dB	1.86 : 1	dB	: 1
J2-J8 "0" 21.04 dB @ 2-18 GHz	12.33 dB	1.64 : 1	10.51 dB	1.85 : 1	dB	: 1
J3-J9 "1" 2.89 dB @ 2-18 GHz	11.41 dB	1.74 : 1	11.71 dB	1.70 : 1	dB	: 1
J3-J9 "0" 20.08 dB @ 2-18 GHz	11.05 dB	1.78 : 1	10.51 dB	1.85 : 1	dB	: 1
J4-J10 "1" 2.37 dB @ 2-18 GHz	14.27 dB	1.48 : 1	13.02 dB	1.58 : 1	dB	: 1
J4-J10 "0" 21.34 dB @ 2-18 GHz	10.86 dB	1.80 : 1	10.38 dB	1.87 : 1	dB	: 1
J5-J11 "1" 2.57 dB @ 2-18 GHz	13.74 dB	1.52 : 1	14.11 dB	1.49 : 1	dB	: 1
J5-J11 "0" 20.54 dB @ 2-18 GHz	11.39 dB	1.74 : 1	9.96 dB	1.93 : 1	dB	: 1
J6-J12 "1" 2.78 dB @ 2-18 GHz	10.59 dB	1.84 : 1	12.52 dB	1.62 : 1	dB	: 1
J6-J12 "0" 20.48 dB @ 2-18 GHz	13.40 dB	1.54 : 1	10.58 dB	1.84 : 1	dB	: 1
J7-J13 "1" 2.90 dB @ 2-18 GHz	11.90 dB	1.68 : 1	12.91 dB	1.58 : 1	dB	: 1
J7-J13 "0" 20.47 dB @ 2-18 GHz	9.86 dB	1.95 : 1	10.14 dB	1.90 : 1	dB	: 1
RESPONSE TIME						
J2 - J8	60 nS					
J3 - J9	60 nS					
J4 - J10	60 nS					
J5 - J11	60 nS					
J6 - J12	60 nS					
J7 - J13	60 nS					

NOTE: Any additional test data on back

TESTED ON: HP 8720D

QA/QC APPROVAL: \_\_\_\_\_

Q4 DATED: 2/23/06



**FINAL TEST DATA  
ON  
ATTENUATOR ASSEMBLY**

CUSTOMER: NORTHROP GRUMMAN  
 JOB NO: P508039  
 MODEL NO: SAA-218-6-93-013542  
 SERIAL NO: PM602917  
 CURRENT DRAW: + 5 VDC @ 240 mA; - 5 VDC @ 264 mA

TECHNICIAN: E. ELDER  
 NGC P/N: 037-005334-0001  
 OPTION NO: HERM  
 SPECIFICATION: \_\_\_\_\_  
 FREQUENCY RANGE: 2 - 18 GHz

INSERTION LOSS (WORST CASE)			RETURN LOSS (WORST CASE)					
			INPUT dB	INPUT VSWR	OUTPUT ON dB	OUTPUT ON VSWR	OUTPUT OFF dB	OUTPUT OFF VSWR
J2-J8	"1"	2.77 dB @ 2-18 GHz	9.95 dB	1.93 : 1	11.57 dB	1.72 : 1	dB	1 : 1
J2-J8	"0"	20.39 dB @ 2-18 GHz	12.10 dB	1.66 : 1	12.85 dB	1.59 : 1	dB	1 : 1
J3-J9	"1"	2.82 dB @ 2-18 GHz	11.78 dB	1.69 : 1	11.98 dB	1.67 : 1	dB	1 : 1
J3-J9	"0"	20.61 dB @ 2-18 GHz	11.46 dB	1.73 : 1	11.45 dB	1.73 : 1	dB	1 : 1
J4-J10	"1"	2.91 dB @ 2-18 GHz	11.53 dB	1.72 : 1	10.75 dB	1.82 : 1	dB	1 : 1
J4-J10	"0"	20.70 dB @ 2-18 GHz	10.78 dB	1.81 : 1	10.14 dB	1.90 : 1	dB	1 : 1
J5-J11	"1"	2.88 dB @ 2-18 GHz	9.64 dB	1.98 : 1	11.85 dB	1.69 : 1	dB	1 : 1
J5-J11	"0"	20.68 dB @ 2-18 GHz	13.05 dB	1.57 : 1	10.95 dB	1.79 : 1	dB	1 : 1
J6-J12	"1"	2.95 dB @ 2-18 GHz	12.70 dB	1.60 : 1	13.39 dB	1.54 : 1	dB	1 : 1
J6-J12	"0"	20.47 dB @ 2-18 GHz	12.18 dB	1.65 : 1	13.52 dB	1.53 : 1	dB	1 : 1
J7-J13	"1"	2.96 dB @ 2-18 GHz	10.45 dB	1.86 : 1	11.78 dB	1.69 : 1	dB	1 : 1
J7-J13	"0"	19.92 dB @ 2-18 GHz	11.74 dB	1.70 : 1	11.75 dB	1.70 : 1	dB	1 : 1
RESPONSE TIME								
J2 - J8	60	nS						
J3 - J9	60	nS						
J4 - J10	60	nS						
J5 - J11	60	nS						
J6 - J12	60	nS						
J7 - J13	60	nS						

NOTE: Any additional test data on back

TESTED ON: HP 8720D

QA/QC APPROVAL: \_\_\_\_\_

Q4 DATED: 2/23/06



**FINAL TEST DATA  
ON  
ATTENUATOR ASSEMBLY**

**CUSTOMER:** NORTHROP GRUMMAN  
**JOB NO:** P508039  
**MODEL NO:** SAA-218-6 093-013542  
**SERIAL NO:** PM602918  
**CURRENT DRAW:** + 5 VDC @ 240 mA; - 5 VDC @ 264 mA

**TECHNICIAN:** E. ELDER  
**NGC P/N:** 037-005334-0001  
**OPTION NO:** HERM  
**SPECIFICATION:** \_\_\_\_\_  
**FREQUENCY RANGE:** 2 - 18 GHz

INSERTION LOSS (WORST CASE)	RETURN LOSS (WORST CASE)					
	INPUT dB	INPUT VSWR	OUTPUT ON db	OUTPUT ON VSWR	OUTPUT OFF db	OUTPUT OFF VSWR
J2-J8 "1" 2.70 dB @ 2-18 GHz	12.34 dB	1.64 : 1	11.41 dB	1.74 : 1	dB	: 1
J2-J8 "0" 20.78 dB @ 2-18 GHz	11.76 dB	1.70 : 1	12.91 dB	1.58 : 1	dB	: 1
J3-J9 "1" 2.91 dB @ 2-18 GHz	10.48 dB	1.85 : 1	11.10 dB	1.77 : 1	dB	: 1
J3-J9 "0" 20.97 dB @ 2-18 GHz	11.29 dB	1.75 : 1	10.79 dB	1.81 : 1	dB	: 1
J4-J10 "1" 2.83 dB @ 2-18 GHz	10.55 dB	1.84 : 1	10.91 dB	1.80 : 1	dB	: 1
J4-J10 "0" 20.77 dB @ 2-18 GHz	10.40 dB	1.87 : 1	10.33 dB	1.88 : 1	dB	: 1
J5-J11 "1" 2.78 dB @ 2-18 GHz	9.93 dB	1.94 : 1	11.37 dB	1.74 : 1	dB	: 1
J5-J11 "0" 20.48 dB @ 2-18 GHz	13.99 dB	1.50 : 1	11.01 dB	1.78 : 1	dB	: 1
J6-J12 "1" 2.97 dB @ 2-18 GHz	10.72 dB	1.82 : 1	11.06 dB	1.78 : 1	dB	: 1
J6-J12 "0" 20.29 dB @ 2-18 GHz	12.98 dB	1.58 : 1	11.39 dB	1.74 : 1	dB	: 1
J7-J13 "1" 2.81 dB @ 2-18 GHz	10.78 dB	1.81 : 1	11.38 dB	1.74 : 1	dB	: 1
J7-J13 "0" 21.07 dB @ 2-18 GHz	11.45 dB	1.73 : 1	10.52 dB	1.85 : 1	dB	: 1
RESPONSE TIME						
J2 - J8	60 nS					
J3 - J9	60 nS					
J4 - J10	60 nS					
J5 - J11	60 nS					
J6 - J12	60 nS					
J7 - J13	60 nS					

NOTE: Any additional test data on back

TESTED ON: HP 8720D

QA/QC APPROVAL: \_\_\_\_\_

Q4 DATED: 2/23/06

FORM: 159-ATT-DTA

DATE: 2/23/06



PLANAR MONOLITHICS INDUSTRIES

**FINAL TEST DATA  
ON  
ATTENUATOR ASSEMBLY**

**CUSTOMER:** NORTHROP GRUMMAN  
**JOB NO:** P508039  
**MODEL NO:** SAA-218-6-093-013542  
**SERIAL NO:** PM602919  
**CURRENT DRAW:** + 5 VDC @ 240 mA; - 5 VDC @ 264 mA

**TECHNICIAN:** E. ELDER  
**NGC P/N:** 037-005334-0001  
**OPTION NO:** HERM  
**SPECIFICATION:** \_\_\_\_\_  
**FREQUENCY RANGE:** 2 - 18 GHz

INSERTION LOSS (WORST CASE)	RETURN LOSS (WORST CASE)					
	INPUT dB	INPUT VSWR	OUTPUT ON db	OUTPUT ON VSWR	OUTPUT OFF db	OUTPUT OFF VSWR
J2-J8 "1" 2.82 dB @ 2 - 18 GHz	12.16 dB	1. 1.65 : 1	11.90 dB	1. 1.68 : 1	dB	1. : 1
J2-J8 "0" 20.45 dB @ 2 - 18 GHz	10.89 dB	1. 1.80 : 1	9.62 dB	1. 1.99 : 1	dB	1. : 1
J3-J9 "1" 2.91 dB @ 2 - 18 GHz	10.17 dB	1. 1.90 : 1	13.16 dB	1. 1.56 : 1	dB	1. : 1
J3-J9 "0" 19.32 dB @ 2 - 18 GHz	14.42 dB	1. 1.47 : 1	11.31 dB	1. 1.75 : 1	dB	1. : 1
J4-J10 "1" 2.89 dB @ 2 - 18 GHz	15.63 dB	1. 1.40 : 1	11.86 dB	1. 1.69 : 1	dB	1. : 1
J4-J10 "0" 19.48 dB @ 2 - 18 GHz	11.91 dB	1. 1.68 : 1	13.99 dB	1. 1.50 : 1	dB	1. : 1
J5-J11 "1" 2.84 dB @ 2 - 18 GHz	10.29 dB	1. 1.88 : 1	12.99 dB	1. 1.58 : 1	dB	1. : 1
J5-J11 "0" 19.39 dB @ 2 - 18 GHz	14.01 dB	1. 1.50 : 1	15.06 dB	1. 1.78 : 1	dB	1. : 1
J6-J12 "1" 2.73 dB @ 2 - 18 GHz	11.15 dB	1. 1.77 : 1	11.74 dB	1. 1.70 : 1	dB	1. : 1
J6-J12 "0" 18.97 dB @ 2 - 18 GHz	13.66 dB	1. 1.52 : 1	11.96 dB	1. 1.68 : 1	dB	1. : 1
J7-J13 "1" 2.86 dB @ 2 - 18 GHz	12.32 dB	1. 1.64 : 1	11.58 dB	1. 1.72 : 1	dB	1. : 1
J7-J13 "0" 19.60 dB @ 2 - 18 GHz	14.72 dB	1. 1.45 : 1	11.98 dB	1. 1.67 : 1	dB	1. : 1
RESPONSE TIME						
J2 - J8	60 nS					
J3 - J9	60 nS					
J4 - J10	60 nS					
J5 - J11	60 nS					
J6 - J12	60 nS					
J7 - J13	60 nS					

NOTE: Any additional test data on back

TESTED ON: HP 8720D

QA/QC APPROVAL: \_\_\_\_\_

DATED: 2/28/06

FORM: 159-ATT-DTA

DATE: 2/27/06



PLANAR MONOLITHICS INDUSTRIES

**FINAL TEST DATA  
ON  
ATTENUATOR ASSEMBLY**

**CUSTOMER:** NORTHROP GRUMMAN  
**JOB NO:** P508039  
**MODEL NO:** SAA-218-6-093-013542  
**SERIAL NO:** PM602920  
**CURRENT DRAW:** + 5 VDC @ 240 mA; - 5 VDC @ 264 mA

**TECHNICIAN:** E. ELDER  
**NGC P/N:** 037-005334-0001  
**OPTION NO:** HERM  
**SPECIFICATION:**  
**FREQUENCY RANGE:** 2 - 18 GHz

INSERTION LOSS (WORST CASE)	RETURN LOSS (WORST CASE)					
	INPUT dB	INPUT VSWR	OUTPUT ON db	OUTPUT ON VSWR	OUTPUT OFF db	OUTPUT OFF VSWR
J2-J8 "1" 2.84 dB @ 2 - 18 GHz	10.54 dB	1. 1.85 : 1	11.78 dB	1. 1.69 : 1	dB	1. : 1
J2-J8 "0" 20.62 dB @ 2 - 18 GHz	12.12 dB	1. 1.66 : 1	10.54 dB	1. 1.85 : 1	dB	1. : 1
J3-J9 "1" 2.94 dB @ 2 - 18 GHz	10.95 dB	1. 1.79 : 1	11.06 dB	1. 1.78 : 1	dB	1. : 1
J3-J9 "0" 19.55 dB @ 2 - 18 GHz	13.74 dB	1. 1.52 : 1	11.46 dB	1. 1.73 : 1	dB	1. : 1
J4-J10 "1" 2.50 dB @ 2 - 18 GHz	18.16 dB	1. 1.28 : 1	14.46 dB	1. 1.47 : 1	dB	1. : 1
J4-J10 "0" 21.68 dB @ 2 - 18 GHz	12.31 dB	1. 1.64 : 1	9.93 dB	1. 1.94 : 1	dB	1. : 1
J5-J11 "1" 2.71 dB @ 2 - 18 GHz	12.58 dB	1. 1.61 : 1	12.59 dB	1. 1.61 : 1	dB	1. : 1
J5-J11 "0" 20.93 dB @ 2 - 18 GHz	11.53 dB	1. 1.72 : 1	10.32 dB	1. 1.88 : 1	dB	1. : 1
J6-J12 "1" 2.93 dB @ 2 - 18 GHz	12.20 dB	1. 1.65 : 1	12.06 dB	1. 1.66 : 1	dB	1. : 1
J6-J12 "0" 19.77 dB @ 2 - 18 GHz	12.75 dB	1. 1.52 : 1	12.14 dB	1. 1.66 : 1	dB	1. : 1
J7-J13 "1" 2.92 dB @ 2 - 18 GHz	10.94 dB	1. 1.64 : 1	10.42 dB	1. 1.86 : 1	dB	1. : 1
J7-J13 "0" 20.46 dB @ 2 - 18 GHz	13.39 dB	1. 1.54 : 1	12.54 dB	1. 1.62 : 1	dB	1. : 1
RESPONSE TIME						
J2 - J8	60 nS					
J3 - J9	60 nS					
J4 - J10	60 nS					
J5 - J11	60 nS					
J6 - J12	60 nS					
J7 - J13	60 nS					

NOTE: Any additional test data on back

TESTED ON: HP 8720D

QA/QC APPROVAL: \_\_\_\_\_

DATED: 2/28/06

FORM: 159-ATT-DTA  
 DATE: 2/27/06



PLANAR MONOLITHICS INDUSTRIES

FINAL TEST DATA  
 ON  
 ATTENUATOR ASSEMBLY

CUSTOMER: NORTHROP GRUMMAN  
 JOB NO: P508039  
 MODEL NO: SAA-218-6-093-013542  
 SERIAL NO: PM602921  
 CURRENT DRAW: + 5 VDC @ 240 mA; - 5 VDC @ 264 mA

TECHNICIAN: E. ELDER  
 NGC P/N: 037-005334-0001  
 OPTION NO: HERM  
 SPECIFICATION:  
 FREQUENCY RANGE: 2 - 18 GHz

INSERTION LOSS (WORST CASE)		RETURN LOSS (WORST CASE)					
		INPUT dB	INPUT VSWR	OUTPUT ON db	OUTPUT ON VSWR	OUTPUT OFF db	OUTPUT OFF VSWR
J2-J8 "1"	2.92 dB @ 2-18 GHz	12.53 dB	1.62 : 1	13.32 dB	1.55 : 1	dB	1 : 1
J2-J8 "0"	20.13 dB @ 2-18 GHz	9.93 dB	1.94 : 1	12.27 dB	1.64 : 1	dB	1 : 1
J3-J9 "1"	2.82 dB @ 2-18 GHz	14.44 dB	1.47 : 1	14.43 dB	1.47 : 1	dB	1 : 1
J3-J9 "0"	19.19 dB @ 2-18 GHz	14.91 dB	1.43 : 1	14.22 dB	1.48 : 1	dB	1 : 1
J4-J10 "1"	2.86 dB @ 2-18 GHz	9.61 dB	1.99 : 1	10.25 dB	1.89 : 1	dB	1 : 1
J4-J10 "0"	20.85 dB @ 2-18 GHz	10.98 dB	1.79 : 1	11.87 dB	1.68 : 1	dB	1 : 1
J5-J11 "1"	2.85 dB @ 2-18 GHz	12.48 dB	1.62 : 1	10.07 dB	1.91 : 1	dB	1 : 1
J5-J11 "0"	20.21 dB @ 2-18 GHz	12.49 dB	1.62 : 1	15.68 dB	1.39 : 1	dB	1 : 1
J6-J12 "1"	2.78 dB @ 2-18 GHz	9.69 dB	1.97 : 1	9.59 dB	1.99 : 1	dB	1 : 1
J6-J12 "0"	20.44 dB @ 2-18 GHz	12.37 dB	1.63 : 1	13.17 dB	1.56 : 1	dB	1 : 1
J7-J13 "1"	2.89 dB @ 2-18 GHz	10.30 dB	1.88 : 1	9.94 dB	1.93 : 1	dB	1 : 1
J7-J13 "0"	20.72 dB @ 2-18 GHz	11.71 dB	1.70 : 1	10.99 dB	1.79 : 1	dB	1 : 1
RESPONSE TIME							
J2 - J8	60 nS						
J3 - J9	60 nS						
J4 - J10	60 nS						
J5 - J11	60 nS						
J6 - J12	60 nS						
J7 - J13	60 nS						

NOTE: Any additional test data on back

TESTED ON: HP 8720D

QA/QC APPROVAL: [Signature]

DATED: 2/28/06

FORM: 159-ATT-DTA  
 DATE: 2/27/06



PLANAR MONOLITHICS INDUSTRIES

FINAL TEST DATA  
 ON  
 ATTENUATOR ASSEMBLY

CUSTOMER: NORTHROP GRUMMAN  
 JOB NO: P508039  
 MODEL NO: SAA-218-6-093-013542  
 SERIAL NO: PM602922  
 CURRENT DRAW: + 5 VDC @ 240 mA; - 5 VDC @ 264 mA

TECHNICIAN: E. ELDER  
 NGC P/N: 037-005334-0001  
 OPTION NO: HERM  
 SPECIFICATION:  
 FREQUENCY RANGE: 2 - 18 GHz

INSERTION LOSS (WORST CASE)			RETURN LOSS (WORST CASE)					
			INPUT dB	INPUT VSWR	OUTPUT ON db	OUTPUT ON VSWR	OUTPUT OFF db	OUTPUT OFF VSWR
J2-J8	"1"	2.83 dB @ 2-18 GHz	12.78 dB	1.60 : 1	12.09 dB	1.66 : 1	dB	1. : 1
J2-J8	"0"	20.17 dB @ 2-18 GHz	11.95 dB	1.68 : 1	11.45 dB	1.73 : 1	dB	1. : 1
J3-J9	"1"	2.82 dB @ 2-18 GHz	15.73 dB	1.39 : 1	12.53 dB	1.62 : 1	dB	1. : 1
J3-J9	"0"	19.37 dB @ 2-18 GHz	14.92 dB	1.44 : 1	12.82 dB	1.59 : 1	dB	1. : 1
J4-J10	"1"	2.78 dB @ 2-18 GHz	13.94 dB	1.50 : 1	12.99 dB	1.58 : 1	dB	1. : 1
J4-J10	"0"	19.43 dB @ 2-18 GHz	11.86 dB	1.69 : 1	10.95 dB	1.79 : 1	dB	1. : 1
J5-J11	"1"	2.96 dB @ 2-18 GHz	16.04 dB	1.37 : 1	14.98 dB	1.43 : 1	dB	1. : 1
J5-J11	"0"	19.60 dB @ 2-18 GHz	11.40 dB	1.74 : 1	12.36 dB	1.64 : 1	dB	1. : 1
J6-J12	"1"	2.98 dB @ 2-18 GHz	10.03 dB	1.92 : 1	10.02 dB	1.92 : 1	dB	1. : 1
J6-J12	"0"	19.22 dB @ 2-18 GHz	15.38 dB	1.41 : 1	16.06 dB	1.37 : 1	dB	1. : 1
J7-J13	"1"	2.85 dB @ 2-18 GHz	11.74 dB	1.70 : 1	15.79 dB	1.39 : 1	dB	1. : 1
J7-J13	"0"	20.29 dB @ 2-18 GHz	13.94 dB	1.50 : 1	11.72 dB	1.70 : 1	dB	1. : 1
RESPONSE TIME								
J2 - J8		60 nS						
J3 - J9		60 nS						
J4 - J10		60 nS						
J5 - J11		60 nS						
J6 - J12		60 nS						
J7 - J13		60 nS						

NOTE: Any additional test data on back

TESTED ON: HP 8720D

QA/QC APPROVAL:

DATED: 2/28/06