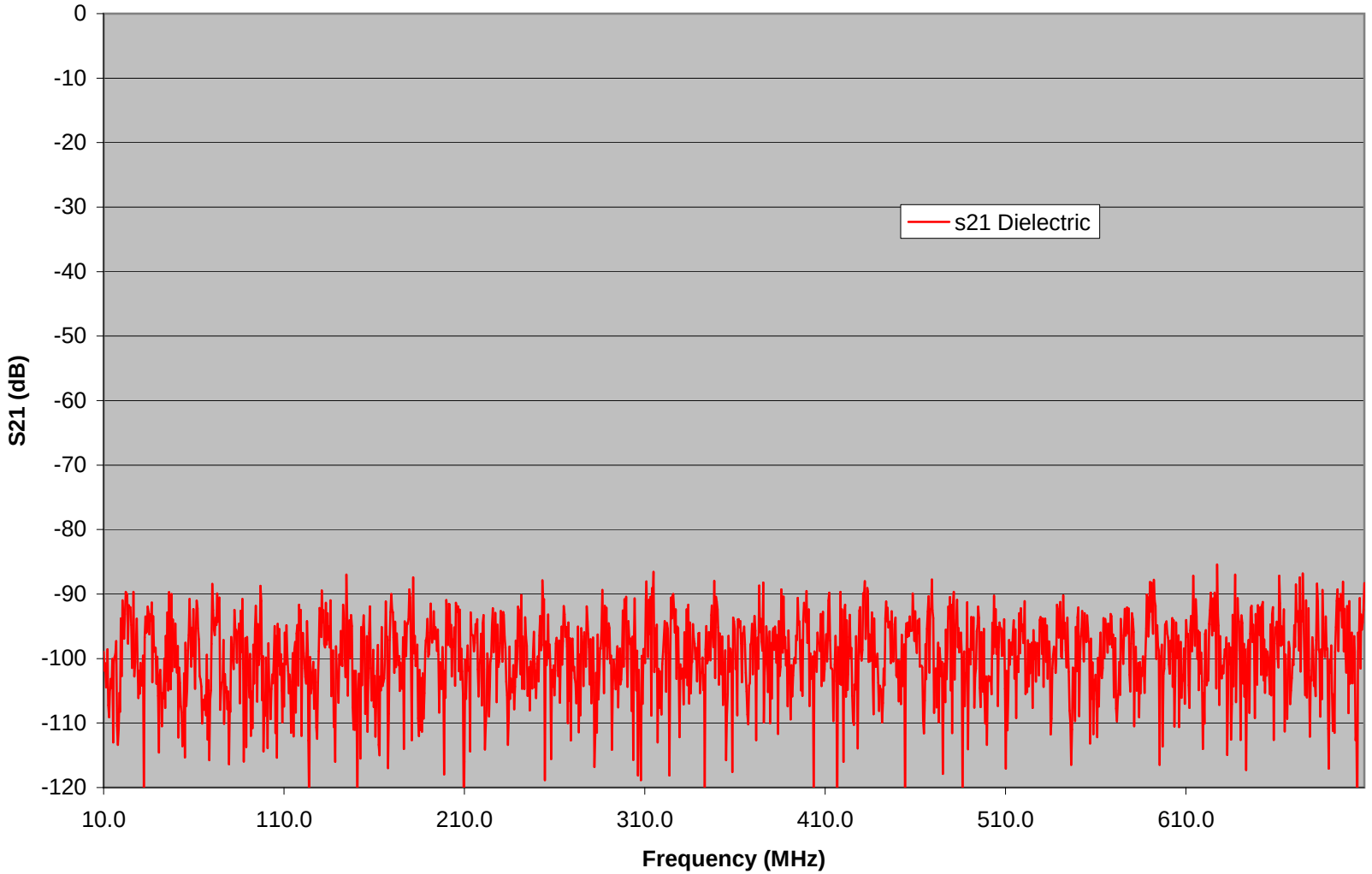
DIELECTRIC BANDPASS "MASK" FILTER PERFORMANCE MEASUREMENTS

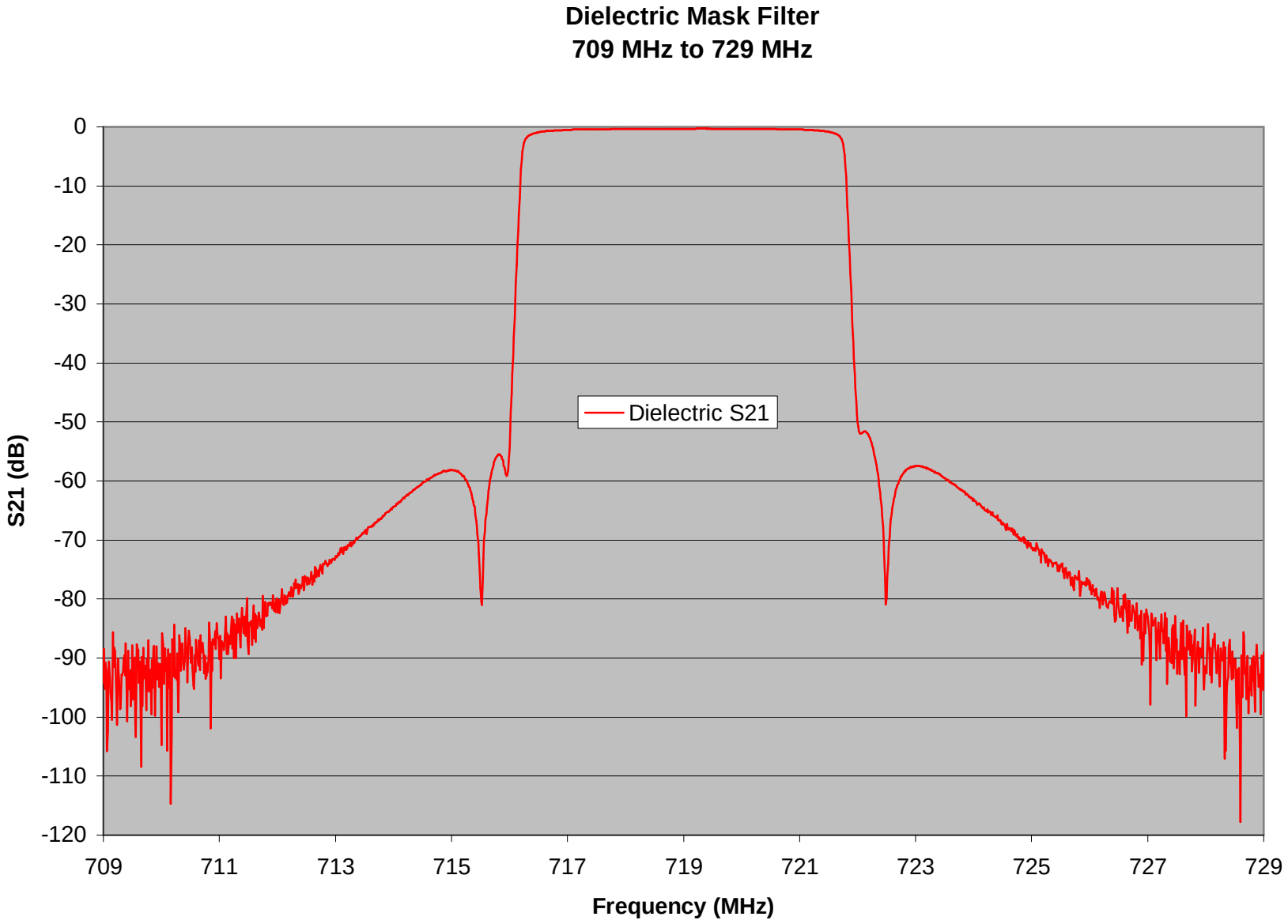
MODEL NUMBER: 005A76501

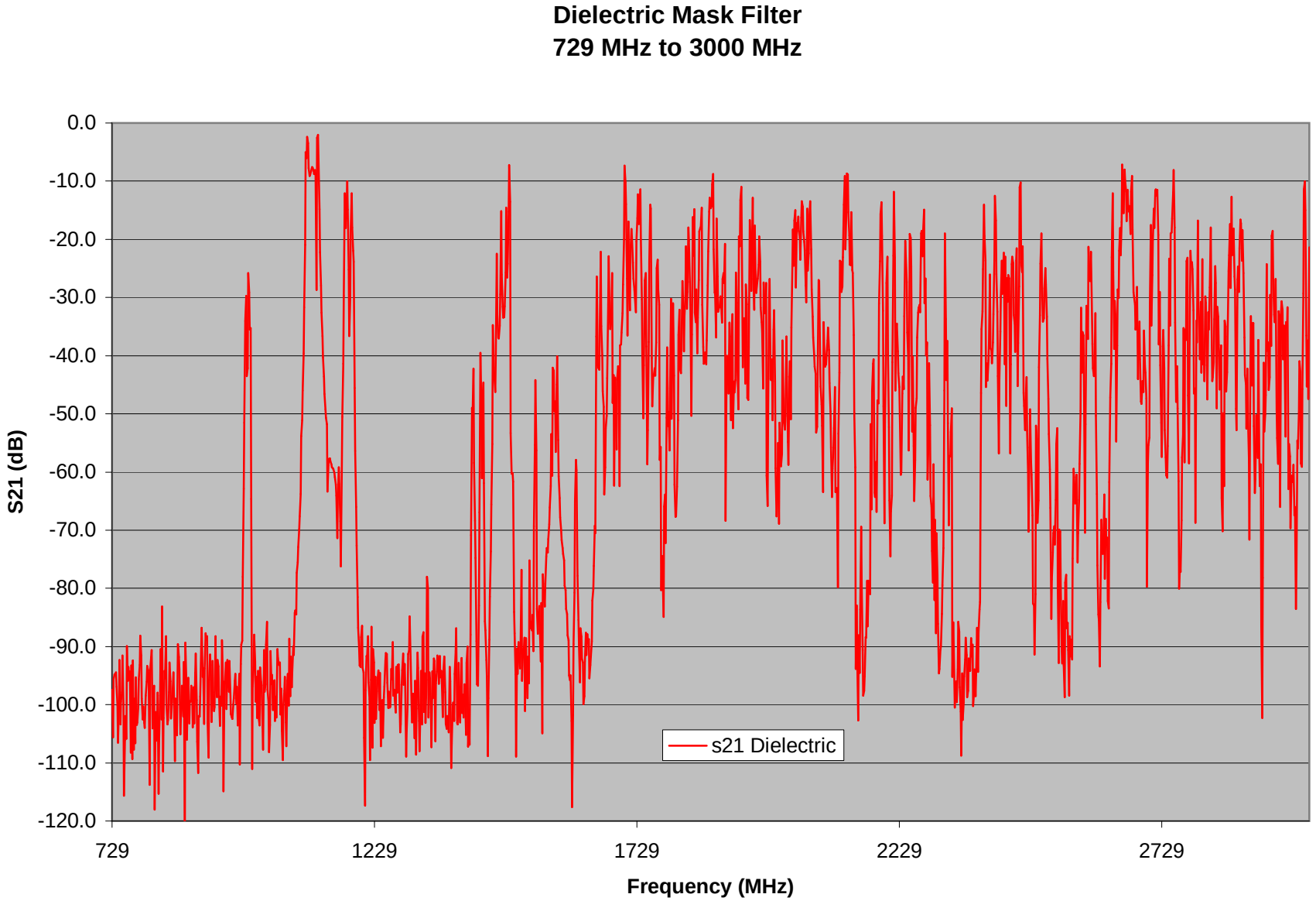
(This filter tested with NV8306V transmitter by Nokia Siemens Networks for report B0AK0001.)

ROHDE&SCHWARZ

Dielectric Mask Filter
10 MHz to 709 MHz




Dielectric Mask Filter
709 MHz to 729 MHz
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
S21 (dB)
Dielectric S21
709
711
713
715
717
719
721
723
725
727
729
Frequency (MHz)


Dielectric Mask Filter
729 MHz to 3000 MHz
0.0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
-100.0
-110.0
-120.0
S21 (dB)
729
1229
1729
2229
2729
Frequency (MHz)
s21 Dielectric

[N right antga]+[250ssttLMR400]+[female thru]+[250ssttLMR400]+[N right angle]

NA		FW_VERSION		FW_DATE	
HP8753ES			7.74	30-Oct-02	
DATE		TIME			
4 Jun 2007			10:40:01		
CHAN		MEAS		FORMAT	
	1 S21			LOG_MAG	
CHAN_START_FREQ		CHAN_STOP_FREQ			
	10000000		3010000000		
POINTS		POWER		IF_BW	
	1601		0.00E+00		300

FREQUENCY	UNITS
Hz	dB
10000000	-0.3536
11875000	-0.3618
13750000	-0.3699
15625000	-0.3787
17500000	-0.388
19375000	-0.3972
21250000	-0.4064
23125000	-0.4165
25000000	-0.4268
26875000	-0.4367
28750000	-0.4469
30625000	-0.4578
32500000	-0.4687
34375000	-0.4795
36250000	-0.4905
38125000	-0.5021
40000000	-0.5137
41875000	-0.5251
43750000	-0.5364
45625000	-0.5478
47500000	-0.559
49375000	-0.5688
51250000	-0.5787
53125000	-0.5884
55000000	-0.5976
56875000	-0.6066
58750000	-0.6152
60625000	-0.6242
62500000	-0.6327
64375000	-0.6398
66250000	-0.6469
68125000	-0.6543
70000000	-0.6612
71875000	-0.6676
73750000	-0.6741
75625000	-0.6811
77500000	-0.6876
79375000	-0.6936
81250000	-0.6999
83125000	-0.7064
85000000	-0.7122
86875000	-0.7177
88750000	-0.7238
90625000	-0.73
92500000	-0.7355
94375000	-0.7409
96250000	-0.7467
98125000	-0.7527
100000000	-0.7581

[250ssttLMR400]+[N right angle]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustab]+[N to 3-1/8 adapter]+[N right angle]+[250ssttLMR400]

[N right antga]+[250ssttLMR400]+[female thru]+[250ssttLMR400]+[N right angle]

NA		FW_VERSION		FW_DATE	
HP8753ES			7.74	30-Oct-02	
DATE		TIME			
4 Jun 2007			11:05:31		
CHAN		MEAS		FORMAT	
	1 S21			LOG_MAG	
CHAN_START_FREQ		CHAN_STOP_FREQ			
	709000000		729000000		
POINTS		POWER		IF_BW	
	1601		0.00E+00		300

FREQUENCY	UNITS
Hz	dB
709000000	-1.8379
709012500	-1.8359
709025000	-1.8384
709037500	-1.8381
709050000	-1.8361
709062500	-1.8366
709075000	-1.8358
709087500	-1.8351
709100000	-1.8335
709112500	-1.8354
709125000	-1.836
709137500	-1.8341
709150000	-1.8341
709162500	-1.8347
709175000	-1.8357
709187500	-1.8367
709200000	-1.8348
709212500	-1.8371
709225000	-1.837
709237500	-1.8343
709250000	-1.8355
709262500	-1.8382
709275000	-1.8408
709287500	-1.8366
709300000	-1.84
709312500	-1.837
709325000	-1.8367
709337500	-1.8382
709350000	-1.8369
709362500	-1.8383
709375000	-1.837
709387500	-1.8352
709400000	-1.8365
709412500	-1.836
709425000	-1.8346
709437500	-1.8368
709450000	-1.8338
709462500	-1.8368
709475000	-1.8354
709487500	-1.8318
709500000	-1.8371
709512500	-1.8345
709525000	-1.8366
709537500	-1.8341
709550000	-1.8383
709562500	-1.837
709575000	-1.8379
709587500	-1.8361
709600000	-1.8365

[250ssttLMR400]+[N right angle]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustab]+[N to 3-1/8 adapter]+[N right angle]+[250ssttLMR400]

NA		FW_VERSION		FW_DATE	
HP8753ES			7.74	30-Oct-02	
DATE		TIME			
4 Jun 2007			15:14:55		
CHAN		MEAS		FORMAT	
	1 S21			LOG_MAG	
CHAN_START_FREQ		CHAN_STOP_FREQ			
	709000000		729000000		
POINTS		POWER		IF_BW	
	1601		0.00E+00		300

FREQUENCY	UNITS
Hz	dB
709000000	-96.096
709012500	-90.297
709025000	-97.053
709037500	-92.596
709050000	-93.941
709062500	-107.65
709075000	-104.2
709087500	-94.952
709100000	-92.458
709112500	-95.524
709125000	-97.583
709137500	-99.417
709150000	-102.3
709162500	-97.492
709175000	-93.369
709187500	-90.042
709200000	-90.668
709212500	-92.941
709225000	-99.158
709237500	-103.13
709250000	-91.91
709262500	-94.317
709275000	-96.781
709287500	-100.51
709300000	-100.32
709312500	-94.654
709325000	-94.786
709337500	-94.139
709350000	-92.075
709362500	-91.33
709375000	-94.734
709387500	-89.309
709400000	-97.293
709412500	-102.52
709425000	-90.653
709437500	-97.102
709450000	-97.164
709462500	-93.919
709475000	-99.959
709487500	-98.159
709500000	-89.715
709512500	-98.864
709525000	-92.582
709537500	-91.733
709550000	-102.8
709562500	-105.18
709575000	-89.486
709587500	-90.178
709600000	-90.44

[250ssttLMR400]+[N right angle]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustab]+[N to 3-1/8 adapter]+[N right angle]+[250ssttLMR400]

NA		FW_VERSION		FW_DATE	
HP8753ES			7.74	30-Oct-02	
DATE		TIME			
4 Jun 2007			16:42:18		
CHAN		MEAS		FORMAT	
	1 S21			LOG_MAG	
CHAN_START_FREQ		CHAN_STOP_FREQ			
	709000000		729000000		
POINTS		POWER		IF_BW	
	1601		0.00E+00		300

FREQUENCY	UNITS
Hz	dB
709000000	-94.957
709012500	-92.212
709025000	-92.263
709037500	-96.802
709050000	-92.841
709062500	-99.501
709075000	-90.187
709087500	-94.222
709100000	-100.87
709112500	-93.02
709125000	-94.952
709137500	-90.049
709150000	-95.022
709162500	-99.064
709175000	-98.084
709187500	-95.049
709200000	-99.115
709212500	-97.206
709225000	-98.351
709237500	-96.131
709250000	-99.939
709262500	-96.882
709275000	-94.75
709287500	-104.76
709300000	-96.048
709312500	-94.431
709325000	-93.155
709337500	-92.615
709350000	-93.41
709362500	-89.291
709375000	-103.52
709387500	-92.14
709400000	-94.786
709412500	-95.209
709425000	-90.657
709437500	-101.47
709450000	-90.995
709462500	-109.87
709475000	-100.83
709487500	-102.1
709500000	-97.529
709512500	-101.7
709525000	-92.708
709537500	-93.989
709550000	-87.535
709562500	-101.35
709575000	-91.803
709587500	-97.742
709600000	-88.351

[250ssttLMR400]+[N right angle]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustab]+[N to 3-1/8 adapter]+[N right angle]+[250ssttLMR400]

NA		FW_VERSION		FW_DATE	
HP8753ES			7.74	30-Oct-02	
DATE		TIME			
4 Jun 2007			17:00:50		
CHAN		MEAS		FORMAT	
	1 S21			LOG_MAG	
CHAN_START_FREQ		CHAN_STOP_FREQ			
	10000000		3010000000		
POINTS		POWER		IF_BW	
	1601		0.00E+00		300

FREQUENCY	UNITS
Hz	dB
10000000	-114.54
11875000	-101.84
13750000	-100.05
15625000	-100.27
17500000	-103.7
19375000	-106.65
21250000	-104.7
23125000	-106.22
25000000	-92.736
26875000	-96.427
28750000	-99.228
30625000	-103.69
32500000	-99.118
34375000	-97.876
36250000	-90.999
38125000	-97.583
40000000	-104.4
41875000	-112.86
43750000	-99.872
45625000	-95.789
47500000	-92.446
49375000	-98.605
51250000	-103.04
53125000	-105.87
55000000	-103.77
56875000	-94.691
58750000	-104.62
60625000	-96.239
62500000	-99.326
64375000	-102.2
66250000	-103.33
68125000	-96.94
70000000	-97.845
71875000	-96.759
73750000	-99.248
75625000	-97.589
77500000	-95.734
79375000	-101.25
81250000	-98.789
83125000	-99.995
85000000	-100.97
86875000	-100.96
88750000	-108.71
90625000	-102.26
92500000	-97.362
94375000	-92.529
96250000	-101.37
98125000	-99.888
100000000	-101.36

[250ssttLMR400]+[N right angle]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustab]+[N to 3-1/8 adapter]+[N right angle]+[250ssttLMR400]

NA		FW_VERSION		FW_DATE	
HP8753ES			7.74	3.76E+04	
DATE		TIME			
5 Jun 2007			14:40:27		
CHAN		MEAS		FORMAT	
	1 S21			LOG_MAG	
CHAN_START_FREQ		CHAN_STOP_FREQ			
	729000000		3010000000		
POINTS		POWER		IF_BW	
	1601		0.00E+00		3.00E+02

FREQUENCY	UNITS
Hz	dB
729000000	-99.326
730425625	-107.52
731851250	-97.562
733276875	-96.672
734702500	-96.697
736128125	-96.344
737553750	-98.813
738979375	-102.06
740405000	-108.47
741830625	-101.81
743256250	-94.275
744681875	-105.32
746107500	-101.37
747533125	-99.817
748958750	-93.505
750384375	-101.77
751810000	-117.58
753235625	-108.08
754661250	-103.88
756086875	-107.76
757512500	-91.833
758938125	-97.866
760363750	-95.435
761789375	-97.622
763215000	-96.221
764640625	-110.18
766066250	-95.175
767491875	-111.31
768917500	-94.371
770343125	-109.7
771768750	-100.93
773194375	-108.62
774620000	-97.288
776045625	-105.44
777471250	-105.04
778896875	-102.26
780322500	-97.592
781748125	-95.125
783173750	-90.154
784599375	-93.505
786025000	-100.91
787450625	-104.48
788876250	-102.34
790301875	-105.14
791727500	-106
793153125	-100.39
794578750	-98.029
796004375	-95.352
797430000	-96.122

Frequency	Frequency	Freq	Cable loss	Dielectric S21	Freq	Cable loss	s21 Dielectric	Freq	Cable loss	s21 Dielectric
Hz	MHz	MHz	dB		MHz	dB		MHz	dB	
		max=>								
		min=>								
714000000	714.000	709.0	1.8	-94.3	10.0	0.4	-99.0	729.0	1.9	-97.4
714006250	714.006	709.0	1.8	-88.5	10.4	0.4	-101.9	730.4	1.9	-105.6
714012500	714.013	709.0	1.8	-95.2	10.9	0.4	-100.7	731.9	1.9	-95.7
714018750	714.019	709.0	1.8	-90.8	11.3	0.4	-104.5	733.3	1.9	-94.8
714025000	714.025	709.1	1.8	-92.1	11.7	0.4	-104.1	734.7	1.9	-94.8
714031250	714.031	709.1	1.8	-105.8	12.2	0.4	-98.6	736.1	1.9	-94.4
714037500	714.038	709.1	1.8	-102.4	12.6	0.4	-107.2	737.6	1.9	-96.9
714043750	714.044	709.1	1.8	-93.1	13.1	0.4	-109.1	739.0	1.9	-100.1
714050000	714.050	709.1	1.8	-90.6	13.5	0.4	-104.8	740.4	1.9	-106.6
714056250	714.056	709.1	1.8	-93.7	13.9	0.4	-103.2	741.8	1.9	-99.9
714062500	714.063	709.1	1.8	-95.7	14.4	0.4	-104.6	743.3	1.9	-92.4
714068750	714.069	709.1	1.8	-97.6	14.8	0.4	-100.1	744.7	1.9	-103.4
714075000	714.075	709.2	1.8	-100.5	15.2	0.4	-113.0	746.1	1.9	-99.5
714081250	714.081	709.2	1.8	-85.7	15.7	0.4	-100.7	747.5	1.9	-97.9
714087500	714.088	709.2	1.8	-91.5	16.1	0.4	-99.8	749.0	1.9	-91.6
714093750	714.094	709.2	1.8	-88.2	16.6	0.4	-99.3	750.4	1.9	-99.8
714100000	714.100	709.2	1.8	-88.8	17.0	0.4	-97.3	751.8	1.9	-115.7
714106250	714.106	709.2	1.8	-91.1	17.4	0.4	-110.4	753.2	1.9	-106.2
714112500	714.113	709.2	1.8	-97.3	17.9	0.4	-113.4	754.7	1.9	-102.0
714118750	714.119	709.2	1.8	-101.3	18.3	0.4	-110.9	756.1	1.9	-105.8
714125000	714.125	709.3	1.8	-90.1	18.7	0.4	-105.3	757.5	1.9	-89.9
714131250	714.131	709.3	1.8	-92.5	19.2	0.4	-108.2	758.9	1.9	-95.9
714137500	714.138	709.3	1.8	-94.9	19.6	0.4	-93.8	760.4	1.9	-93.5
714143750	714.144	709.3	1.8	-98.7	20.0	0.4	-102.7	761.8	1.9	-95.7
714150000	714.150	709.3	1.8	-98.5	20.5	0.4	-91.0	763.2	1.9	-94.3
714156250	714.156	709.3	1.8	-92.8	20.9	0.4	-93.6	764.6	1.9	-108.2
714162500	714.163	709.3	1.8	-92.9	21.4	0.4	-96.9	766.1	1.9	-93.2
714168750	714.169	709.3	1.8	-92.3	21.8	0.4	-93.1	767.5	1.9	-109.4
714175000	714.175	709.4	1.8	-90.2	22.2	0.4	-89.7	768.9	1.9	-92.4
714181250	714.181	709.4	1.8	-89.5	22.7	0.4	-91.0	770.3	1.9	-107.8
714187500	714.188	709.4	1.8	-92.9	23.1	0.4	-90.0	771.8	2.0	-99.0
714193750	714.194	709.4	1.8	-87.5	23.5	0.4	-97.7	773.2	2.0	-106.7
714200000	714.200	709.4	1.8	-95.5	24.0	0.4	-91.7	774.6	2.0	-95.3
714206250	714.200	709.4	1.8	-100.7	24.4	0.4	-92.1	776.0	2.0	-103.5
714212500	714.213	709.4	1.8	-88.8	24.9	0.4	-92.1	777.5	2.0	-103.1
714218750	714.219	709.4	1.8	-95.3	25.3	0.4	-94.8	778.9	2.0	-100.3
714225000	714.225	709.5	1.8	-95.3	25.7	0.4	-101.5	780.3	2.0	-95.6
714231250	714.231	709.5	1.8	-92.1	26.2	0.4	-98.1	781.7	2.0	-93.2
714237500	714.238	709.5	1.8	-98.1	26.6	0.4	-89.7	783.2	2.0	-88.2
714243750	714.244	709.5	1.8	-96.3	27.0	0.4	-102.8	784.6	2.0	-91.5
714250000	714.250	709.5	1.8	-87.9	27.5	0.4	-100.8	786.0	2.0	-98.9
714256250	714.256	709.5	1.8	-97.0	27.9	0.4	-97.9	787.5	2.0	-102.5
714262500	714.263	709.5	1.8	-90.7	28.3	0.4	-93.8	788.9	2.0	-100.4
714268750	714.269	709.5	1.8	-89.9	28.8	0.4	-100.5	790.3	2.0	-103.2
714275000	714.275	709.6	1.8	-101.0	29.2	0.4	-106.1	791.7	2.0	-104.0
714281250	714.281	709.6	1.8	-103.3	29.7	0.4	-101.9	793.2	2.0	-98.4
714287500	714.288	709.6	1.8	-87.6	30.1	0.4	-105.5	794.6	2.0	-96.0
714293750	714.294	709.6	1.8	-88.3	30.5	0.4	-100.7	796.0	2.0	-93.4
714300000	714.300	709.6	1.8	-88.6	31.0	0.5	-104.1	797.4	2.0	-94.1
714306250	714.306	709.6	1.8	-94.2	31.4	0.5	-104.2	798.9	2.0	-95.8
714312500	714.313	709.6	1.8	-90.6	31.8	0.5	-99.5	800.3	2.0	-113.7
714318750	714.319	709.6	1.8	-95.1	32.3	0.5	-120.9	801.7	2.0	-93.9
714325000	714.325	709.7	1.8	-108.5	32.7	0.5	-96.7	803.1	2.0	-91.8
714331250	714.331	709.7	1.8	-89.9	33.2	0.5	-93.5	804.6	2.0	-90.7
714337500	714.338	709.7	1.8	-98.1	33.6	0.5	-96.0	806.0	2.0	-104.1
714343750	714.344	709.7	1.8	-88.3	34.0	0.5	-95.9	807.4	2.0	-98.6
714350000	714.350	709.7	1.8	-93.4	34.5	0.5	-91.9	808.8	2.0	-96.8
714356250	714.356	709.7	1.8	-92.9	34.9	0.5	-92.9	810.3	2.0	-118.0
714362500	714.363	709.7	1.8	-91.3	35.3	0.5	-96.3	811.7	2.0	-101.3
714368750	714.369	709.7	1.8	-98.9	35.8	0.5	-93.1	813.1	2.0	-106.2
714375000	714.375	709.8	1.8	-90.2	36.2	0.5	-94.1	814.5	2.0	-103.6
714381250	714.381	709.8	1.8	-95.5	36.6	0.5	-91.2	816.0	2.0	-97.9
714387500	714.388	709.8	1.8	-87.0	37.1	0.5	-103.7	817.4	2.0	-115.3
714393750	714.394	709.8	1.8	-95.6	37.5	0.5	-93.4	818.8	2.0	-106.3
714400000	714.400	709.8	1.8	-94.6	38.0	0.5	-99.0	820.2	2.0	-98.4
714406250	714.406	709.8	1.8	-92.0	38.4	0.5	-98.3	821.7	2.0	-90.4
714412500	714.413	709.8	1.8	-99.5	38.8	0.5	-98.4	823.1	2.0	-102.5
714418750	714.419	709.8	1.8	-90.3	39.3	0.5	-103.9	824.5	2.0	-83.1
714425000	714.425	709.9	1.8	-95.0	39.7	0.5	-99.7	825.9	2.0	-111.5
714431250	714.431	709.9	1.8	-88.2	40.1	0.5	-105.8	827.4	2.0	-102.3
714437500	714.438	709.9	1.8	-88.0	40.6	0.5	-114.6	828.8	2.0	-94.2
714443750	714.444	709.9	1.8	-99.8	41.0	0.5	-102.6	830.2	2.0	-95.5
714450000	714.450	709.9	1.8	-94.2	41.5	0.5	-101.7	831.6	2.0	-88.2
714456250	714.456	709.9	1.8	-88.0	41.9	0.5	-105.4	833.1	2.0	-100.2
714462500	714.463	709.9	1.8	-91.7	42.3	0.5	-110.5	834.5	2.0	-103.4
714468750	714.469	709.9	1.8	-93.6	42.8	0.5	-105.3	835.9	2.0	-102.7
714475000	714.475	710.0	1.8	-90.9	43.2	0.5	-106.2	837.3	2.0	-97.9
714481250	714.481	710.0	1.8	-94.9	43.6	0.5	-100.0	838.8	2.0	-92.8
714487500	714.488	710.0	1.8	-91.4	44.1	0.5	-107.6	840.2	2.0	-96.0
714493750	714.494	710.0	1.8	-91.1	44.5	0.5	-96.5	841.6	2.0	-102.4
714500000	714.500	710.0	1.8	-104.7	45.0	0.5	-103.5	843.1	2.0	-99.5
714506250	714.506	710.0	1.8	-85.8	45.4	0.5	-92.9	844.5	2.0	-98.4
714512500	714.513	710.0	1.8	-87.7	45.8	0.5	-105.0	845.9	2.0	-94.4
714518750	714.519	710.0	1.8	-89.4	46.3	0.5	-89.7	847.3	2.0	-98.5
714525000	714.525	710.1	1.8	-94.4	46.7	0.5	-96.5	848.8	2.0	-109.7
714531250	714.531	710.1	1.8	-88.4	47.1	0.5	-104.8	850.2	2.0	-99.0
714537500	714.538	710.1	1.8	-92.2	47.6	0.6	-90.4	851.6	2.0	-99.7
714543750	714.544	710.1	1.8	-90.0	48.0	0.6	-102.0	853.0	2.0	-105.2
714550000	714.550	710.1	1.8	-105.7	48.4	0.6	-94.0	854.5	2.0	-89.6
714556250	714.556	710.1	1.8	-88.6	48.9	0.6	-97.5	855.9	2.0	-91.8
714562500	714.563	710.1	1.8	-95.1	49.3	0.6	-101.0	857.3	2.0	-93.8
714568750	714.569	710.1	1.8	-90.1	49.8	0.6	-94.6	858.7	2.0	-105.1
714575000	714.575	710.2	1.8	-89.3	50.2	0.6	-100.5	860.2	2.1	-102.3
714581250	714.581	710.2	1.8	-114.7	50.6	0.6	-102.2	861.6	2.1	-96.8
714587500	714.588	710.2	1.8	-103.1	51.1	0.6	-98.1	863.0	2.1	-99.7
714593750	714.594	710.2	1.8	-86.8	51.5	0.6	-112.3	864.4	2.1	-102.1
714600000	714.600	710.2	1.8	-87.9	51.9	0.6	-101.4	865.9	2.1	-92.7
714606250	714.606	710.2	1.8	-93.1	52.4	0.6	-103.8	867.3	2.1	-124.5
714612500	714.613	710.2	1.8	-84.3	52.8	0.6	-107.4	868.7	2.1	-89.3
714618750	714.619	710.2	1.8	-93.3	53.3	0.6	-108.3	870.1	2.1	-95.8
714625000	714.625	710.3	1.8	-92.0	53.7	0.6	-113.6	871.6	2.1	-106.1
714631250	714.631	710.3	1.8	-93.7	54.1	0.6	-113.1	873.0	2.1	-99.3
714637500	714.638	710.3	1.8	-89.2	54.6	0.6	-102.3	874.4	2.1	-95.3
714643750	714.644	710.3	1.8	-99.2	55.0	0.6	-115.4	875.8	2.1	-103.2
714650000	714.650	710.3	1.8	-94.0	55.4	0.6	-97.5	877.3	2.1	-99.4
714656250	714.656	710.3	1.8	-86.1	55.9	0.6	-107.4	878.7	2.1	-99.5
714662500	714.663	710.3	1.8	-88.2	56.3	0.6	-104.9	880.1	2.1	-96.7
714668750	714.669	710.3	1.8	-92.1	56.7	0.6	-98.7	881.5	2.1	-98.6
714675000	714.675	710.4	1.8	-88.1	57.2	0.6	-96.3	883.0	2.1	-103.9
714681250	714.681	710.4	1.8	-87.5	57.6	0.6	-90.8	884.4	2.1	-97.0
714687500	714.688	710.4	1.8	-88.2	58.1	0.6	-97.1	885.8	2.1	-97.4
714693750	714.694	710.4	1.8	-88.2	58.5	0.6	-97.1	887.3	2.1	-97.4
714700000	714.700	710.4	1.8	-88.2	58.9	0.6	-97.1	888.7	2.1	-97.4
714706250	714.706	710.4	1.8	-88.2	59.4	0.6	-97.1	890.1	2.1	-97.4
714712500	714.713	710.4	1.8	-88.2	59.8	0.6	-97.1	891.5	2.1	-97.4
714718750	714.719	710.4	1.8	-88.2	60.3	0.6	-97.1	893.0	2.1	-97.4
714725000	714.725	710.5	1.8	-88.2	60.7	0.6	-97.1	894.4	2.1	-97.4
714731250	714.731	710.5	1.8	-88.2	61.1	0.6	-97.1	895.8	2.1	-97.4
714737500	714.738	710.5	1.8	-88.2	61.6	0.6	-97.1	897.3	2.1	-97.4
714743750	714.744	710.5	1.8	-88.2	62.0	0.6	-97.1	898.7	2.1	-97.4
714750000	714.750	710.5	1.8	-88.2	62.4	0.6	-97.1	900.1	2.1	-97.4
714756250	714.756	710.5	1.8	-88.2	62.9	0.6	-97.1	901.5	2.1	-97.4
714762500	714.763	710.5	1.8	-88.2	63.3	0.6	-97.1	903.0	2.1	-97.4
714768750	714.769	710.5	1.8	-88.2	63.7	0.6	-97.1	904.4	2.1	-97.4
714775000	714.775	710.5	1.8	-88.2	64.2	0.6	-97.1	905.8	2.1	-97.4
714781250	714.781	710.5	1.8	-88.2	64.6	0.6	-97.1	907.3	2.1	-97.4
714787500	714.788	710.6	1.8	-88.2	65.0	0.6	-97.1	908.7	2.1	-97.4
714793750	714.794	710.6	1.8	-88.2	65.5	0.6	-97.1	910.1	2.1	-97.4
714800000	714.800	710.6	1.8	-88.2	65.9	0.6	-97.1	911.5	2.1	-97.4

max=>
min=>

Frequency Hz	Frequency MHz	Freq MHz	Cable loss dB		Dielectric S21	Freq MHz	Cable loss dB		s21 Dielectric dB	Freq MHz	Cable loss dB		s21 Dielectric dB
714687500	714.688	710.4	1.8	-91.2	58.1	0.6	-96.1	885.8	2.1	-103.2			
714693750	714.694	710.4	1.8	-92.0	58.5	0.6	-101.3	887.2	2.1	-94.5			
714700000	714.700	710.4	1.8	-90.2	58.9	0.6	-95.2	888.7	2.1	-91.2			
714706250	714.706	710.4	1.8	-84.9	59.4	0.6	-99.6	890.1	2.1	-99.2			
714712500	714.713	710.4	1.8	-87.4	59.8	0.6	-92.4	891.5	2.1	-106.4			
714718750	714.719	710.4	1.8	-89.0	60.2	0.6	-98.2	892.9	2.1	-111.8			
714725000	714.725	710.5	1.8	-94.1	60.7	0.6	-104.7	894.4	2.1	-102.0			
714731250	714.731	710.5	1.8	-86.6	61.1	0.6	-95.7	895.8	2.1	-102.1			
714737500	714.738	710.5	1.8	-85.4	61.6	0.6	-91.0	897.2	2.1	-98.6			
714743750	714.744	710.5	1.8	-87.1	62.0	0.6	-92.2	898.6	2.1	-90.3			
714750000	714.750	710.5	1.8	-89.2	62.4	0.6	-95.4	900.1	2.1	-86.8			
714756250	714.756	710.5	1.8	-90.8	62.9	0.6	-97.0	901.5	2.1	-95.2			
714762500	714.763	710.5	1.8	-88.2	63.3	0.6	-102.7	902.9	2.1	-93.7			
714768750	714.769	710.5	1.8	-91.6	63.7	0.6	-103.2	904.4	2.1	-103.3			
714775000	714.775	710.6	1.8	-94.7	64.2	0.6	-104.4	905.8	2.1	-93.7			
714781250	714.781	710.6	1.8	-95.2	64.6	0.6	-110.1	907.2	2.1	-87.7			
714787500	714.788	710.6	1.8	-89.5	65.0	0.6	-106.4	908.6	2.1	-88.9			
714793750	714.794	710.6	1.8	-92.4	65.5	0.6	-106.4	910.1	2.1	-88.2			
714800000	714.800	710.6	1.8	-86.9	65.9	0.6	-108.0	911.5	2.1	-103.1			
714806250	714.806	710.6	1.8	-89.7	66.4	0.6	-105.7	912.9	2.1	-109.1			
714812500	714.813	710.6	1.8	-90.0	66.8	0.6	-108.8	914.3	2.1	-95.7			
714818750	714.819	710.6	1.8	-91.2	67.2	0.6	-99.4	915.8	2.1	-91.4			
714825000	714.825	710.7	1.8	-87.0	67.7	0.6	-112.6	917.2	2.1	-93.2			
714831250	714.831	710.7	1.8	-92.0	68.1	0.6	-103.4	918.6	2.1	-103.0			
714837500	714.838	710.7	1.8	-86.2	68.5	0.7	-115.8	920.0	2.1	-92.5			
714843750	714.844	710.7	1.8	-89.1	69.0	0.7	-106.5	921.5	2.1	-97.9			
714850000	714.850	710.7	1.8	-88.0	69.4	0.7	-104.9	922.9	2.1	-101.1			
714856250	714.856	710.7	1.8	-87.4	69.9	0.7	-97.7	924.3	2.1	-100.4			
714862500	714.863	710.7	1.8	-89.4	70.3	0.7	-88.4	925.7	2.1	-88.2			
714868750	714.869	710.7	1.8	-92.6	70.7	0.7	-92.5	927.2	2.1	-96.8			
714875000	714.875	710.8	1.8	-89.6	71.2	0.7	-95.5	928.6	2.1	-98.7			
714881250	714.881	710.8	1.8	-93.5	71.6	0.7	-96.4	930.0	2.1	-92.3			
714887500	714.888	710.8	1.8	-92.9	72.0	0.7	-93.7	931.4	2.1	-93.4			
714893750	714.894	710.8	1.8	-90.9	72.5	0.7	-94.8	932.9	2.1	-98.3			
714900000	714.900	710.8	1.8	-92.4	72.9	0.7	-89.9	934.3	2.1	-103.6			
714906250	714.906	710.8	1.8	-89.7	73.3	0.7	-94.3	935.7	2.1	-98.6			
714912500	714.913	710.8	1.8	-84.0	73.8	0.7	-91.8	937.1	2.1	-100.2			
714918750	714.919	710.8	1.8	-87.8	74.2	0.7	-90.6	938.6	2.1	-88.9			
714925000	714.925	710.9	1.8	-101.9	74.7	0.7	-108.0	940.0	2.1	-95.9			
714931250	714.931	710.9	1.8	-87.3	75.1	0.7	-104.7	941.4	2.2	-114.8			
714937500	714.938	710.9	1.8	-92.1	75.5	0.7	-103.7	942.8	2.2	-96.1			
714943750	714.944	710.9	1.8	-86.9	76.0	0.7	-103.6	944.3	2.2	-96.3			
714950000	714.950	710.9	1.8	-87.5	76.4	0.7	-97.1	945.7	2.2	-92.7			
714956250	714.956	710.9	1.8	-87.7	76.8	0.7	-110.1	947.1	2.2	-100.7			
714962500	714.963	710.9	1.8	-85.5	77.3	0.7	-102.4	948.5	2.2	-92.3			
714968750	714.969	710.9	1.8	-88.5	77.7	0.7	-105.2	950.0	2.2	-96.0			
714975000	714.975	711.0	1.8	-84.1	78.2	0.7	-104.4	951.4	2.2	-97.7			
714981250	714.981	711.0	1.8	-85.6	78.6	0.7	-107.9	952.8	2.2	-92.5			
714987500	714.988	711.0	1.8	-86.5	79.0	0.7	-105.1	954.2	2.2	-98.0			
714993750	714.994	711.0	1.8	-86.7	79.5	0.7	-116.4	955.7	2.2	-101.6			
715000000	715.000	711.0	1.8	-90.1	79.9	0.7	-106.8	957.1	2.2	-102.2			
715006250	715.006	711.0	1.8	-86.2	80.3	0.7	-108.2	958.5	2.2	-102.4			
715012500	715.013	711.0	1.8	-93.5	80.8	0.7	-96.6	960.0	2.2	-99.9			
715018750	715.019	711.0	1.8	-87.2	81.2	0.7	-97.8	961.4	2.2	-98.9			
715025000	715.025	711.1	1.8	-87.8	81.6	0.7	-100.2	962.8	2.2	-95.9			
715031250	715.031	711.1	1.8	-87.4	82.1	0.7	-101.6	964.2	2.2	-94.7			
715037500	715.038	711.1	1.8	-88.7	82.5	0.7	-92.4	965.7	2.2	-99.8			
715043750	715.044	711.1	1.8	-88.0	83.0	0.7	-95.5	967.1	2.2	-96.9			
715050000	715.050	711.1	1.8	-85.0	83.4	0.7	-95.6	968.5	2.2	-103.5			
715056250	715.056	711.1	1.8	-83.0	83.8	0.7	-100.7	969.9	2.2	-99.4			
715062500	715.063	711.1	1.8	-89.3	84.3	0.7	-95.9	971.4	2.2	-94.7			
715068750	715.069	711.1	1.8	-85.9	84.7	0.7	-96.1	972.8	2.2	-110.3			
715075000	715.075	711.2	1.8	-89.3	85.1	0.7	-94.6	974.2	2.2	-93.0			
715081250	715.081	711.2	1.8	-87.6	85.6	0.7	-106.9	975.6	2.2	-89.6			
715087500	715.088	711.2	1.8	-86.2	86.0	0.7	-92.6	977.1	2.2	-89.0			
715093750	715.094	711.2	1.8	-87.6	86.5	0.7	-99.0	978.5	2.2	-78.0			
715100000	715.100	711.2	1.8	-85.5	86.9	0.7	-90.8	979.9	2.2	-62.9			
715106250	715.106	711.2	1.8	-83.0	87.3	0.7	-101.6	981.3	2.2	-51.5			
715112500	715.113	711.2	1.8	-88.3	87.8	0.7	-116.0	982.8	2.2	-34.1			
715118750	715.119	711.2	1.8	-83.5	88.2	0.7	-103.6	984.2	2.2	-29.7			
715125000	715.125	711.2	1.8	-90.0	88.6	0.7	-96.9	985.6	2.2	-43.5			
715131250	715.131	711.3	1.8	-84.3	89.1	0.7	-113.7	987.0	2.2	-42.2			
715137500	715.138	711.3	1.8	-89.1	89.5	0.7	-96.7	988.5	2.2	-25.8			
715143750	715.144	711.3	1.8	-90.0	89.9	0.7	-100.7	989.9	2.2	-29.1			
715150000	715.150	711.3	1.8	-82.4	90.4	0.7	-104.1	991.3	2.2	-35.5			
715156250	715.156	711.3	1.8	-85.7	90.8	0.7	-106.0	992.7	2.2	-35.3			
715162500	715.163	711.3	1.8	-84.4	91.3	0.7	-99.3	994.2	2.2	-64.6			
715168750	715.169	711.3	1.8	-83.3	91.7	0.7	-112.0	995.6	2.2	-111.1			
715175000	715.175	711.4	1.8	-84.8	92.1	0.7	-105.1	997.0	2.2	-96.8			
715181250	715.181	711.4	1.8	-88.2	92.6	0.7	-110.8	998.4	2.2	-93.6			
715187500	715.188	711.4	1.8	-84.5	93.0	0.7	-97.8	999.9	2.2	-87.9			
715193750	715.194	711.4	1.8	-81.5	93.4	0.7	-103.9	1001.3	2.2	-92.5			
715200000	715.200	711.4	1.8	-83.3	93.9	0.7	-95.4	1002.7	2.2	-99.5			
715206250	715.206	711.4	1.8	-85.8	94.3	0.7	-91.8	1004.1	2.2	-95.2			
715212500	715.213	711.4	1.8	-85.5	94.8	0.7	-94.8	1005.6	2.2	-102.2			
715218750	715.219	711.4	1.8	-83.0	95.2	0.7	-106.7	1007.0	2.2	-94.2			
715225000	715.225	711.5	1.8	-86.2	95.6	0.7	-94.7	1008.4	2.2	-102.2			
715231250	715.231	711.5	1.8	-83.4	96.1	0.7	-101.0	1009.8	2.2	-103.5			
715237500	715.238	711.5	1.8	-79.9	96.5	0.7	-99.2	1011.3	2.2	-93.6			
715243750	715.244	711.5	1.8	-87.0	96.9	0.7	-88.7	1012.7	2.2	-96.1			
715250000	715.250	711.5	1.8	-89.3	97.4	0.7	-91.1	1014.1	2.2	-96.7			
715256250	715.256	711.5	1.8	-84.1	97.8	0.7	-106.5	1015.6	2.2	-103.9			
715262500	715.263	711.5	1.8	-84.0	98.2	0.8	-99.6	1017.0	2.2	-107.7			
715268750	715.269	711.5	1.8	-84.4	98.7	0.8	-114.4	1018.4	2.2	-90.6			
715275000	715.275	711.6	1.8	-83.8	99.1	0.8	-107.8	1019.8	2.2	-97.7			
715281250	715.281	711.6	1.8	-87.8	99.6	0.8	-108.9	1021.3	2.2	-96.5			
715287500	715.288	711.6	1.8	-84.2	100.0	0.8	-99.8	1022.7	2.2	-89.7			
715293750	715.294	711.6	1.8	-81.1	100.4	0.8	-103.2	1024.1	2.2	-85.8			
715300000	715.300	711.6	1.8	-86.6	100.9	0.8	-113.9	1025.5	2.3	-97.4			
715306250	715.306	711.6	1.8	-82.5	101.3	0.8	-97.6	1027.0	2.3	-99.5			
715312500	715.313	711.6	1.8	-87.3	101.7	0.8	-104.8	1028.4	2.3	-108.2			
715318750	715.319	711.6	1.8	-82.9	102.2	0.8	-105.1	1029.8	2.3	-103.5			
715325000	715.325	711.7	1.8	-85.0	102.6	0.8	-109.4	1031.2	2.3	-90.8			
715331250	715.331	711.7	1.8	-84.4	103.1	0.8	-104.7	1032.7	2.3	-96.5			
715337500	715.338	711.7	1.8	-82.3	103.5	0.8	-102.5	1034.1	2.3	-94.8			
715343750	715.344	711.7	1.8	-82.8	103.9	0.8	-103.9	1035.5	2.3	-100.9			
715350000	715.350	711.7	1.8	-84.6	104.4	0.8	-99.7	1036.9	2.3	-96.1			
715356250	715.356	711.7	1.8	-83.5	104.8	0.8	-95.0	1038.4	2.3	-95.8			
715362500	715.363	711.7	1.9	-84.0	105.2	0.8	-111.6	1039.8	2.3	-102.8			
715368750	715.369	711.7	1.8	-85.2	105.7	0.8	-96.5	1041.2	2.3	-98.6			

[N right antga]+[250ioti/LMR400]+[female thru]+[250ioti/LMR400]+[N right angle]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		10:40:01		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
10000000		3010000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
216250000	-1.0498
218125000	-1.0536
220000000	-1.0576
221875000	-1.0622
223750000	-1.0663
225625000	-1.0699
227500000	-1.0738
229375000	-1.0782
231250000	-1.0821
233125000	-1.0856
235000000	-1.0894
236875000	-1.0936
238750000	-1.0973
240625000	-1.1006
242500000	-1.1042
244375000	-1.1081
246250000	-1.1117
248125000	-1.1151
250000000	-1.1187
251875000	-1.1227
253750000	-1.1262
255625000	-1.1294
257500000	-1.1332
259375000	-1.1372
261250000	-1.1407
263125000	-1.1439
265000000	-1.1477
266875000	-1.1515
268750000	-1.1548
270625000	-1.158
272500000	-1.1617
274375000	-1.1655
276250000	-1.1689
278125000	-1.1723
280000000	-1.1762
281875000	-1.1802
283750000	-1.1836
285625000	-1.1871
287500000	-1.1913
289375000	-1.1952
291250000	-1.1987
293125000	-1.2024
295000000	-1.2065
296875000	-1.2107
298750000	-1.2142
300625000	-1.218
302500000	-1.2221
304375000	-1.2262
306250000	-1.2298
308125000	-1.2337
310000000	-1.2379
311875000	-1.242
313750000	-1.2455
315625000	-1.2492
317500000	-1.2533
319375000	-1.2572
321250000	-1.2604
323125000	-1.2639
325000000	-1.268
326875000	-1.2718
328750000	-1.2753
330625000	-1.2789
332500000	-1.283
334375000	-1.2869
336250000	-1.2902
338125000	-1.2936
340000000	-1.2974
341875000	-1.3009
343750000	-1.3041
345625000	-1.3076
347500000	-1.3112
349375000	-1.3144
351250000	-1.3176
353125000	-1.3208
355000000	-1.3244
356875000	-1.3276
358750000	-1.3306
360625000	-1.3339
362500000	-1.3374
364375000	-1.3406
366250000	-1.3436
368125000	-1.3468
370000000	-1.3502
371875000	-1.3534
373750000	-1.3564
375625000	-1.3598
377500000	-1.3633
379375000	-1.3665
381250000	-1.3697
383125000	-1.3732
385000000	-1.3768
386875000	-1.3799
388750000	-1.383
390625000	-1.3866
392500000	-1.3902
394375000	-1.3931
396250000	-1.3962
398125000	-1.4
400000000	-1.4037
401875000	-1.4068
403750000	-1.41
405625000	-1.4137
407500000	-1.4172
409375000	-1.4203
411250000	-1.4237
413125000	-1.4276
415000000	-1.4314
416875000	-1.4346
418750000	-1.4379
420625000	-1.4419

[250ioti/LMR400]+[N right antga]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustment]+[N to 3-1/8 adapter]+[N right angle]+[250ioti/LMR400]

[N right antga]+[250ioti/LMR400]+[female thru]+[250ioti/LMR400]+[N right angle]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		11:05:31		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
710375000	-1.8394
710387500	-1.839
710400000	-1.8398
710412500	-1.8386
710425000	-1.8401
710437500	-1.84
710450000	-1.839
710462500	-1.8399
710475000	-1.8389
710487500	-1.8426
710500000	-1.8331
710512500	-1.8399
710525000	-1.8396
710537500	-1.8405
710550000	-1.8432
710562500	-1.8441
710575000	-1.8412
710587500	-1.8435
710600000	-1.8424
710612500	-1.8452
710625000	-1.838
710637500	-1.8405
710650000	-1.8407
710662500	-1.8424
710675000	-1.8415
710687500	-1.8384
710700000	-1.8388
710712500	-1.8379
710725000	-1.8393
710737500	-1.841
710750000	-1.8389
710762500	-1.8395
710775000	-1.8416
710787500	-1.8428
710800000	-1.8434
710812500	-1.8429
710825000	-1.844
710837500	-1.844
710850000	-1.8442
710862500	-1.8456
710875000	-1.8448
710887500	-1.8446
710900000	-1.8433
710912500	-1.8438
710925000	-1.848
710937500	-1.8437
710950000	-1.8418
710962500	-1.8428
710975000	-1.8428
710987500	-1.8444
711000000	-1.8429
711012500	-1.8444
711025000	-1.8398
711037500	-1.8432
711050000	-1.8419
711062500	-1.84
711075000	-1.8439
711087500	-1.844
711100000	-1.8423
711112500	-1.8455
711125000	-1.8448
711137500	-1.8437
711150000	-1.8439
711162500	-1.8459
711175000	-1.846
711187500	-1.8403
711200000	-1.8439
711212500	-1.8452
711225000	-1.8439
711237500	-1.8435
711250000	-1.8457
711262500	-1.8432
711275000	-1.8423
711287500	-1.8431
711300000	-1.8437
711312500	-1.8422
711325000	-1.8424
711337500	-1.8431
711350000	-1.8416
711362500	-1.8423
711375000	-1.8428
711387500	-1.8443
711400000	-1.8435
711412500	-1.8432
711425000	-1.8442
711437500	-1.8424
711450000	-1.8411
711462500	-1.8499
711475000	-1.8466
711487500	-1.847
711500000	-1.8452
711512500	-1.8452
711525000	-1.8453
711537500	-1.844
711550000	-1.8493
711562500	-1.8427
711575000	-1.8444
711587500	-1.8476
711600000	-1.8447
711612500	-1.8459
711625000	-1.8436
711637500	-1.8395
711650000	-1.8449
711662500	-1.8439
711675000	-1.8422
711687500	-1.8475
711700000	-1.8491
711712500	-1.8463
711725000	-1.8508
711737500	-1.8438

[250ioti/LMR400]+[N right antga]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustment]+[N to 3-1/8 adapter]+[N right angle]+[250ioti/LMR400]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		15:14:55		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
710375000	-92.99
710387500	-93.821
710400000	-92.002
710412500	-86.753
710425000	-89.206
710437500	-90.813
710450000	-95.933
710462500	-88.395
710475000	-87.191
710487500	-88.931
710500000	-90.984
710512500	-92.635
710525000	-90.077
710537500	-93.466
710550000	-96.511
710562500	-97.047
710575000	-91.362
710587500	-94.194
710600000	-88.73
710612500	-91.52
710625000	-91.791
710637500	-93.089
710650000	-88.876
710662500	-93.882
710675000	-88.026
710687500	-90.937
710700000	-89.835
710712500	-89.26
710725000	-91.257
710737500	-94.438
710750000	-91.466
710762500	-95.315
710775000	-94.767
710787500	-92.766
710800000	-94.252
710812500	-91.582
710825000	-85.87
710837500	-89.607
710850000	-103.77
710862500	-89.163
710875000	-93.988
710887500	-88.702
710900000	-89.306
710912500	-89.565
710925000	-87.346
710937500	-90.329
710950000	-85.9
710962500	-87.414
710975000	-88.352
710987500	-88.566
711000000	-91.972
711012500	-88.084
711025000	-95.301
711037500	-89.044
711050000	-89.621
711062500	-89.258
711075000	-90.505
711087500	-89.824
711100000	-86.805
711112500	-84.858
711125000	-91.172
711137500	-87.759
711150000	-91.146
711162500	-89.463
711175000	-88.042
711187500	-89.464
711200000	-87.327
711212500	-84.838
711225000	-90.184
711237500	-85.312
711250000	-91.86
711262500	-86.143
711275000	-90.974
711287500	-91.847
711300000	-84.265
711312500	-87.554
711325000	-86.226
711337500	-85.177
711350000	-86.664
711362500	-90.074
711375000	-86.313
711387500	-83.322
711400000	-85.161
711412500	-87.679
711425000	-87.311
711437500	-84.843
711450000	-88.072
711462500	-85.245
711475000	-81.717
711487500	-88.807
711500000	-91.138
711512500	-85.946
711525000	-85.846
711537500	-86.279
711550000	-85.611
711562500	-89.603
711575000	-86.066
711587500	-82.927
711600000	-88.478
711612500	-85.164
711625000	-89.097
711637500	-84.761
711650000	-86.8
711662500	-86.234
711675000	-84.111
711687500	-84.655
711700000	-86.476
711712500	-85.37
711725000	-85.895
711737500	-87.072

[250ioti/LMR400]+[N right antga]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustment]+[N to 3-1/8 adapter]+[N right angle]+[250ioti/LMR400]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		16:42:18		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
710375000	-105.95
710387500	-102.54
710400000	-88.798
710412500	-93.084
710425000	-87.943
710437500	-87.641
710450000	-93.998
710462500	-90.885
710475000	-90.909
710487500	-87.936
710500000	-94.713
710512500	-96.346
710525000	-91.486
710537500	-87.913
710550000	-97.147
710562500	-92.882
710575000	-89.148
710587500	-91.92
710600000	-89.758
710612500	-89.723
710625000	-93.809
710637500	-97.948
710650000	-91.526
710662500	-94.416
710675000	-90.611
710687500	-88.162
710700000	-89.897
710712500	-97.829
710725000	-86.749
710737500	-97.679
710750000	-91.215
710762500	-91.103
710775000	-94.678
710787500	-89.708
710800000	-92.036
710812500	-92.574
710825000	-92.024
710837500	-94.322
710850000	-89.203
710862500	-88.588
710875000	-97.137
710887500	-96.045
710900000	-89.604
710912500	-86.623
710925000	-87.676
710937500	-96.089
710950000	-91.554
710962500	-94.702
710975000	-90.718
710987500	-88.566
711000000	-88.978
711012500	-90.479
711025000	-88.287
711037500	-96.38
711050000	-91.652
711062500	-87.871
711075000	-88.025
711087500	-98.294
711100000	-87.144
711112500	-86.548
711125000	-87.607
711137500	-93.138
711150000	-91.106
711162500	-90.064
711175000	-86.705
711187500	-85.749
711200000	-85.844
711212500	-86.303
711225000	-86.066
711237500	-89.305
711250000	-94.837
711262500	-89.9
711275000	-90.15
711287500	-87.793
711300000	-87.018
711312500	-86.547
711325000	-84.928
711337500	-90.065
711350000	-87.764
711362500	-90.218
711375000	-86.819
711387500	-85.29
711400000	-84.717
711412500	-85.94
711425000	-86.575
711437500	-86.903
711450000	-85.861
711462500	-87.97
711475000	-86.197
711487500	-86.472
711500000	-85.72
711512500	-84.869
711525000	-88.192
711537500	-87.054
711550000	-85.806
711562500	-86.362
711575000	-86.749
711587500	-85.047
711600000	-85.893
711612500	-85.164
711625000	-87.461
711637500	-83.678
711650000	-83.252
711662500	-83.127
711675000	-83.914
711687500	-84.585
711700000	-84.257
711712500	-85.879
711725000	-83.817
711737500	-86.421

[250ioti/LMR400]+[N right antga]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustment]+[N to 3-1/8 adapter]+[N right angle]+[250ioti/LMR400]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		17:00:50		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
10000000

[N right angle]+[250ssttLMR400]+[female thru]+[250ssttLMR400]+[N right angle]

NA FW_VERSION FW_DATE
HP8753ES 7.74 30-Oct-02
DATE TIME
4 Jun 2007 10:40:01
CHAN MEAS FORMAT
1 S21 LOG_MAG
CHAN_START_FREQ CHAN_STOP_FREQ
10000000 3010000000
POINTS POWER IF_BW
1601 0.00E+00 300

FREQUENCY UNITS
Hz dB
422500000 -1.4454
424375000 -1.4485
426250000 -1.4517
428125000 -1.4555
430000000 -1.459
431875000 -1.4618
433750000 -1.4651
435625000 -1.4689
437500000 -1.4719
439375000 -1.4747
441250000 -1.4778
443125000 -1.4813
445000000 -1.4846
446875000 -1.4874
448750000 -1.4904
450625000 -1.4937
452500000 -1.4967
454375000 -1.4994
456250000 -1.5024
458125000 -1.5055
460000000 -1.5084
461875000 -1.5113
463750000 -1.5143
465625000 -1.5175
467500000 -1.5201
469375000 -1.5228
471250000 -1.5258
473125000 -1.5286
475000000 -1.531
476875000 -1.5338
478750000 -1.5368
480625000 -1.5397
482500000 -1.5423
484375000 -1.5452
486250000 -1.5483
488125000 -1.5513
490000000 -1.5539
491875000 -1.5567
493750000 -1.5602
495625000 -1.5632
497500000 -1.5658
499375000 -1.5689
501250000 -1.5724
503125000 -1.5755
505000000 -1.5778
506875000 -1.5804
508750000 -1.5837
510625000 -1.5868
512500000 -1.5895
514375000 -1.5924
516250000 -1.5956
518125000 -1.5988
520000000 -1.6017
521875000 -1.6044
523750000 -1.6075
525625000 -1.6107
527500000 -1.6136
529375000 -1.6169
531250000 -1.6204
533125000 -1.6237
535000000 -1.6266
536875000 -1.6298
538750000 -1.6331
540625000 -1.6363
542500000 -1.6393
544375000 -1.6424
546250000 -1.6459
548125000 -1.6491
550000000 -1.652
551875000 -1.6551
553750000 -1.6584
555625000 -1.6612
557500000 -1.6639
559375000 -1.667
561250000 -1.6701
563125000 -1.673
565000000 -1.6759
566875000 -1.6792
568750000 -1.6824
570625000 -1.685
572500000 -1.6878
574375000 -1.6909
576250000 -1.6941
578125000 -1.6969
580000000 -1.6998
581875000 -1.7027
583750000 -1.7057
585625000 -1.7084
587500000 -1.7111
589375000 -1.7138
591250000 -1.7162
593125000 -1.7184
595000000 -1.7211
596875000 -1.724
598750000 -1.7263
600625000 -1.7282
602500000 -1.7307
604375000 -1.7334
606250000 -1.7355
608125000 -1.737
610000000 -1.7392
611875000 -1.7419
613750000 -1.744
615625000 -1.7459
617500000 -1.7485
619375000 -1.7513
621250000 -1.7535
623125000 -1.7551
625000000 -1.7574
626875000 -1.76

[250ssttLMR400]+[N right angle]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustable]+[N to 3-1/8 adapter]+[N right angle]+[250ssttLMR400]

[N right angle]+[250ssttLMR400]+[female thru]+[250ssttLMR400]+[N right angle]

NA FW_VERSION FW_DATE
HP8753ES 7.74 30-Oct-02
DATE TIME
4 Jun 2007 11:05:31
CHAN MEAS FORMAT
1 S21 LOG_MAG
CHAN_START_FREQ CHAN_STOP_FREQ
709000000 729000000
POINTS POWER IF_BW
1601 0.00E+00 300

FREQUENCY UNITS
Hz dB
711750000 -1.8476
711762500 -1.8438
711775000 -1.8446
711787500 -1.8451
711800000 -1.8465
711812500 -1.8446
711825000 -1.8479
711837500 -1.8447
711850000 -1.846
711862500 -1.849
711875000 -1.8469
711887500 -1.8454
711900000 -1.849
711912500 -1.8458
711925000 -1.8453
711937500 -1.8442
711950000 -1.844
711962500 -1.8436
711975000 -1.8462
711987500 -1.8473
712000000 -1.8477
712012500 -1.8446
712025000 -1.8458
712037500 -1.8435
712050000 -1.8462
712062500 -1.8478
712075000 -1.8477
712087500 -1.8492
712100000 -1.8469
712112500 -1.8472
712125000 -1.8484
712137500 -1.848
712150000 -1.8463
712162500 -1.846
712175000 -1.852
712187500 -1.8493
712200000 -1.8457
712212500 -1.8487
712225000 -1.8465
712237500 -1.8497
712250000 -1.8513
712262500 -1.8452
712275000 -1.8481
712287500 -1.8461
712300000 -1.8444
712312500 -1.848
712325000 -1.8474
712337500 -1.8469
712350000 -1.8481
712362500 -1.8474
712375000 -1.852
712387500 -1.8488
712400000 -1.851
712412500 -1.8488
712425000 -1.8502
712437500 -1.848
712450000 -1.849
712462500 -1.8463
712475000 -1.8495
712487500 -1.8477
712500000 -1.8501
712512500 -1.8474
712525000 -1.8483
712537500 -1.8488
712550000 -1.8476
712562500 -1.8489
712575000 -1.8476
712587500 -1.8447
712600000 -1.8494
712612500 -1.8469
712625000 -1.8485
712637500 -1.8447
712650000 -1.8459
712662500 -1.8435
712675000 -1.8454
712687500 -1.8502
712700000 -1.8487
712712500 -1.8473
712725000 -1.8462
712737500 -1.8486
712750000 -1.8478
712762500 -1.8442
712775000 -1.8484
712787500 -1.846
712800000 -1.8508
712812500 -1.8469
712825000 -1.8464
712837500 -1.8472
712850000 -1.8439
712862500 -1.8444
712875000 -1.8444
712887500 -1.8454
712900000 -1.8405
712912500 -1.8485
712925000 -1.8484
712937500 -1.8449
712950000 -1.8483
712962500 -1.8512
712975000 -1.8475
712987500 -1.8487
713000000 -1.8461
713012500 -1.847
713025000 -1.8489
713037500 -1.8485
713050000 -1.848
713062500 -1.8468
713075000 -1.8473
713087500 -1.848
713100000 -1.8519
713112500 -1.8479

[250ssttLMR400]+[N right angle]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustable]+[N to 3-1/8 adapter]+[N right angle]+[250ssttLMR400]

NA FW_VERSION FW_DATE
HP8753ES 7.74 30-Oct-02
DATE TIME
4 Jun 2007 15:14:55
CHAN MEAS FORMAT
1 S21 LOG_MAG
CHAN_START_FREQ CHAN_STOP_FREQ
709000000 729000000
POINTS POWER IF_BW
1601 0.00E+00 300

FREQUENCY UNITS
Hz dB
711750000 -81.306
711762500 -86.814
711775000 -83.297
711787500 -82.346
711800000 -84.733
711812500 -84.74
711825000 -84.682
711837500 -82.628
711850000 -82.518
711862500 -82.88
711875000 -82.424
711887500 -82.532
711900000 -82.741
711912500 -83.453
711925000 -81.197
711937500 -83.827
711950000 -82.503
711962500 -84.049
711975000 -81.957
711987500 -81.75
712000000 -84.17
712012500 -82.778
712025000 -81.952
712037500 -84.222
712050000 -82.718
712062500 -82.22
712075000 -80.196
712087500 -81.618
712100000 -82.66
712112500 -82.878
712125000 -81.21
712137500 -81.484
712150000 -82.573
712162500 -82.387
712175000 -81.278
712187500 -81.348
712200000 -80.733
712212500 -81.291
712225000 -81.408
712237500 -79.849
712250000 -80.526
712262500 -81.408
712275000 -81.412
712287500 -79.181
712300000 -79.998
712312500 -78.545
712325000 -79.898
712337500 -79.86
712350000 -79.328
712362500 -80.954
712375000 -80.507
712387500 -79.422
712400000 -80.055
712412500 -79.722
712425000 -79.472
712437500 -78.098
712450000 -80.394
712462500 -79.918
712475000 -78
712487500 -78.795
712500000 -78.247
712512500 -79.427
712525000 -78.219
712537500 -78.834
712550000 -79.249
712562500 -78.685
712575000 -78.104
712587500 -77.235
712600000 -79.432
712612500 -79.07
712625000 -77.861
712637500 -78.938
712650000 -76.447
712662500 -76.662
712675000 -78.145
712687500 -77.183
712700000 -77.023
712712500 -77.932
712725000 -76.775
712737500 -76.075
712750000 -76.777
712762500 -76.986
712775000 -77.563
712787500 -75.934
712800000 -76.036
712812500 -75.86
712825000 -75.352
712837500 -75.708
712850000 -75.894
712862500 -76.25
712875000 -75.941
712887500 -75.908
712900000 -75.225
712912500 -75.29
712925000 -75.704
712937500 -75.464
712950000 -75.048
712962500 -75.042
712975000 -75.021
712987500 -75.232
713000000 -74.65
713012500 -74.528
713025000 -74.758
713037500 -74.511
713050000 -74.082
713062500 -74.366
713075000 -73.9
713087500 -73.272
713100000 -73.927
713112500 -73.149

[250ssttLMR400]+[N right angle]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right angle]+[250ssttLMR400]

NA FW_VERSION FW_DATE
HP8753ES 7.74 30-Oct-02
DATE TIME
4 Jun 2007 16:42:18
CHAN MEAS FORMAT
1 S21 LOG_MAG
CHAN_START_FREQ CHAN_STOP_FREQ
709000000 729000000
POINTS POWER IF_BW
1601 0.00E+00 300

FREQUENCY UNITS
Hz dB
711750000 -84.945
711762500 -83.547
711775000 -86.851
711787500 -82.904
711800000 -83.623
711812500 -83.261
711825000 -83.425
711837500 -85.98
711850000 -82.851
711862500 -83.581
711875000 -84.359
711887500 -80.974
711900000 -82.869
711912500 -83.536
711925000 -81.982
711937500 -83.33
711950000 -81.695
711962500 -81.992
711975000 -83.352
711987500 -83.565
712000000 -82.536
712012500 -83.533
712025000 -81.751
712037500 -82.115
712050000 -82.916
712062500 -81.604
712075000 -82.814
712087500 -81.402
712100000 -81.524
712112500 -81.38
712125000 -82.266
712137500 -81.683
712150000 -80.571
712162500 -81.143
712175000 -80.928
712187500 -81.82
712200000 -81.231
712212500 -81.101
712225000 -80.061
712237500 -81.848
712250000 -81.881
712262500 -80.351
712275000 -79.156
712287500 -80.437
712300000 -80.558
712312500 -80.21
712325000 -80.018
712337500 -79.708
712350000 -80.003
712362500 -80.493
712375000 -79.208
712387500 -78.818
712400000 -78.74
712412500 -79.27
712425000 -78.941
712437500 -78.786
712450000 -78.302
712462500 -79.399
712475000 -78.81
712487500 -78.547
712500000 -78.697
712512500 -78.548
712525000 -78.13
712537500 -78.745
712550000 -79.175
712562500 -77.367
712575000 -78.001
712587500 -77.466
712600000 -77.582
712612500 -77.894
712625000 -77.861
712637500 -77.773
712650000 -77.413
712662500 -78.198
712675000 -77.705
712687500 -77.026
712700000 -77.266
712712500 -76.837
712725000 -76.941
712737500 -77.568
712750000 -76.107
712762500 -76.664
712775000 -76.968
712787500 -76.867
712800000 -76.252
712812500 -75.945
712825000 -76.282
712837500 -75.631
712850000 -76.223
712862500 -75.794
712875000 -75.698
712887500 -75.576
712900000 -75.564
712912500 -74.9
712925000 -75.346
712937500 -75.097
712950000 -74.988
712962500 -75.048
712975000 -75.083
712987500 -74.233
713000000 -74.404
713012500 -74.468
713025000 -74.695
713037500 -75.011
713050000 -74.114
713062500 -74.238
713075000 -73.757
713087500 -73.688
713100000 -73.91
713112500 -73.74

[250ssttLMR400]+[N right angle]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right angle]+[250ssttLMR400]

NA FW_VERSION FW_DATE
HP8753ES 7.74 30-Oct-02
DATE TIME
4 Jun 2007 17:00:50
CHAN MEAS FORMAT
1 S21 LOG_MAG
CHAN_START_FREQ CHAN_STOP_FREQ
10000000 3010000000
POINTS POWER IF_BW
1601 0.00E+00 300

FREQUENCY UNITS
Hz dB
422500000 -91.585
424375000 -93.165
426250000 -98.078
428125000 -111.98
430000000 -94.02
431875000 -95.389
433750000 -103.46
435625000 -100.7
437500000 -106.14
439375000 -101.95
441250000 -119.22
443125000 -93.356
445000000 -99.893
446875000 -97.248
448750000 -101.56
450625000 -110.73
452500000 -103.01
454375000 -103.31
456250000 -95.313
458125000 -95.982
460000000 -94.834
461875000 -106.74
463750000 -104.6
465625000 -94.05
467500000 -93.07
469375000 -101.08
471250000 -94.161
473125000 -99.939
475000000 -103.16
476875000 -126
478750000 -82.266
480625000 -107.54
482500000 -100.85
484375000 -101.99
486250000 -107.93
488125000 -106.34
490000000 -99.297
491875000 -97.014
493750000 -104.16
495625000 -112.5
497500000 -99.867
499375000 -102.21
501250000 -103.78
503125000 -102.45
505000000 -95.948
506875000 -102.11
508750000 -100.18
510625000 -104.05
512500000 -109.71
514375000 -107.58
516250000 -95.947
518125000 -96.039
520000000 -96.425
521875000 -107.14
523750000 -103.63
525625000 -101.26
527500000 -91.507
529375000 -92.727
531250000 -98.054
533125000 -97.553
535000000 -103.89
536875000 -105.77
538750000 -78.13
540625000 -98.54
542500000 -105.45
544375000 -99.361
546250000 -103.45
548125000 -99.719
550000000 -98.829
551875000 -96.497
553750000 -100.29
555625000 -95.383
557500000 -104.54
559375000 -102.67
561250000 -102.07
563125000 -90.107
565000000 -93.877
566875000 -101.31
568750000 -109.51
570625000 -96.213
572500000 -108.96
574375000 -98.498
576250000 -106.01
578125000 -100.99
580000000 -97.928
581875000 -101.36
583750000 -108.43
585625000 -95.953
587500000 -98.83
589375000 -95.58
591250000 -110.84
593125000 -96.843
595000000 -102.18
596875000 -101.16
598750000 -100.93
600625000 -95.288
602500000 -122.28
604375000 -100.98
606250000 -104.61
608125000 -104.58
610000000 -93.918
611875000 -93.183
613750000 -96.129
615625000 -97.143
617500000 -103.11
619375000 -102.73
621250000 -109.91
623125000 -96.479
625000000 -93.081
626875000 -98.819

[250ssttLMR400]+[N right angle]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right angle]+[250ssttLMR400]

NA FW_VERSION FW_DATE
HP8753ES 7.74 3.76E+04
DATE TIME
5 Jun 2007 14:40:27
CHAN MEAS
1 S21
1.000E+00
CHAN_START_FREQ CHAN_STOP_FREQ
1.000E+07 709000000
POINTS POWER
1601E+03 0.00E+00

FREQUENCY UNITS
Hz dB
1042637500 -104.49
1044063125 -92.75
1045488750 -94.233
1046914375 -95.462
1048340000 -95.037
1049765625 -103.95
1051191250 -99.504
1052616875 -106.75
1054042500 -111.79
1055468125 -102.35
1056893750 -99.858
1058319375 -97.552
1059745000 -105.31
1061170625 -109.47
1062596250 -98.201
1064021875 -96.972
1065447500 -102.47
1066873125 -90.98
1068298750 -100.87
1069724375 -94.043
1071150000 -99.338
1072575625 -96.493
1074001250 -92.34
1075426875 -93.817
1076852500 -86.552
1078278125 -86.086
1079703750 -86.785
1081129375 -79.605
1082555000 -77.874
1083980625 -75.257
1085406250 -72.157
1086831875 -69.956
1088257500 -66.144
1089683125 -56.171
1091108750 -53.413
1092534375 -48.303
1093960000 -41.956
1095385625 -33.997
1096811250 -23.305
1098236875 -7.3305
1099662500 -8.417
1101088125 -4.734
1102513750 -5.7936
1103939375 -10.116
1105365000 -11.436
1106790625 -11.297
1108216250 -10.561
1109641875 -9.8775
1111067500 -9.9669

	max=>											
	min=>											
Frequency	Frequency	Freq	Cable loss	Dielectric	S21	Freq	Cable loss	s21	Dielectric	Freq	Cable loss	s21	Dielectric
Hz	MHz	MHz	dB			MHz	dB			MHz	dB		
715375000	715.375	711.8	1.8	-79.5		106.1	0.8	-115.4		1042.6	2.3	-102.2	
715381250	715.381	711.8	1.8	-85.0		106.5	0.8	-94.6		1044.1	2.3	-90.5	
715387500	715.388	711.8	1.8	-81.5		107.0	0.8	-101.1		1045.5	2.3	-92.0	
715393750	715.394	711.8	1.8	-80.5		107.4	0.8	-95.4		1046.9	2.3	-93.2	
715400000	715.400	711.8	1.8	-82.9		107.9	0.8	-102.5		1048.3	2.3	-92.8	
715406250	715.406	711.8	1.8	-82.9		108.3	0.8	-99.3		1049.8	2.3	-101.7	
715412500	715.413	711.8	1.8	-82.8		108.7	0.8	-105.0		1051.2	2.3	-97.2	
715418750	715.419	711.8	1.8	-80.8		109.2	0.8	-109.9		1052.6	2.3	-104.5	
715425000	715.425	711.9	1.8	-80.7		109.6	0.8	-100.8		1054.0	2.3	-109.5	
715431250	715.431	711.9	1.8	-81.0		110.0	0.8	-107.4		1055.5	2.3	-100.1	
715437500	715.438	711.9	1.8	-80.6		110.5	0.8	-96.0		1056.9	2.3	-97.6	
715443750	715.444	711.9	1.8	-80.7		110.9	0.8	-100.9		1058.3	2.3	-95.3	
715450000	715.450	711.9	1.8	-80.9		111.4	0.8	-94.8		1059.7	2.3	-103.0	
715456250	715.456	711.9	1.8	-81.6		111.8	0.8	-99.4		1061.2	2.3	-107.2	
715462500	715.463	711.9	1.8	-79.4		112.2	0.8	-101.9		1062.6	2.3	-95.9	
715468750	715.469	711.9	1.8	-82.0		112.7	0.8	-105.4		1064.0	2.3	-94.7	
715475000	715.475	712.0	1.8	-80.7		113.1	0.8	-102.5		1065.4	2.3	-100.2	
715481250	715.481	712.0	1.8	-82.2		113.5	0.8	-103.6		1066.9	2.3	-88.7	
715487500	715.488	712.0	1.8	-80.1		114.0	0.8	-111.5		1068.3	2.3	-98.6	
715493750	715.494	712.0	1.8	-79.9		114.4	0.8	-105.0		1069.7	2.3	-91.7	
715500000	715.500	712.0	1.8	-82.3		114.9	0.8	-99.2		1071.2	2.3	-97.0	
715506250	715.506	712.0	1.8	-80.9		115.3	0.8	-112.1		1072.6	2.3	-94.2	
715512500	715.513	712.0	1.8	-80.1		115.7	0.8	-98.6		1074.0	2.3	-90.0	
715518750	715.519	712.0	1.8	-82.4		116.2	0.8	-97.4		1075.4	2.3	-91.5	
715525000	715.525	712.1	1.8	-80.9		116.6	0.8	-108.4		1076.9	2.3	-84.2	
715531250	715.531	712.1	1.8	-80.4		117.0	0.8	-96.1		1078.3	2.3	-83.8	
715537500	715.538	712.1	1.8	-78.3		117.5	0.8	-94.8		1079.7	2.3	-84.5	
715543750	715.544	712.1	1.8	-79.8		117.9	0.8	-104.2		1081.1	2.3	-77.3	
715550000	715.550	712.1	1.8	-80.8		118.3	0.8	-91.7		1082.6	2.3	-75.6	
715556250	715.556	712.1	1.8	-81.0		118.8	0.8	-95.6		1084.0	2.3	-72.9	
715562500	715.563	712.1	1.8	-79.4		119.2	0.8	-92.5		1085.4	2.3	-69.8	
715568750	715.569	712.1	1.8	-79.6		119.7	0.8	-112.0		1086.8	2.3	-67.6	
715575000	715.575	712.2	1.8	-80.7		120.1	0.8	-101.5		1088.3	2.3	-63.8	
715581250	715.581	712.2	1.8	-80.5		120.5	0.8	-96.0		1089.7	2.3	-53.9	
715587500	715.588	712.2	1.8	-79.4		121.0	0.8	-99.2		1091.1	2.3	-51.1	
715593750	715.594	712.2	1.8	-79.5		121.4	0.8	-100.8		1092.5	2.3	-46.0	
715600000	715.600	712.2	1.8	-78.9		121.8	0.8	-102.9		1094.0	2.3	-39.6	
715606250	715.606	712.2	1.8	-79.4		122.3	0.8	-103.9		1095.4	2.3	-31.7	
715612500	715.613	712.2	1.8	-79.6		122.7	0.8	-94.2		1096.8	2.3	-21.0	
715618750	715.619	712.2	1.8	-78.0		123.2	0.8	-98.8		1098.2	2.3	-5.0	
715625000	715.625	712.3	1.9	-78.7		123.6	0.8	-112.7		1099.7	2.3	-6.1	
715631250	715.631	712.3	1.8	-79.6		124.0	0.8	-122.9		1101.1	2.3	-2.4	
715637500	715.638	712.3	1.8	-79.6		124.5	0.8	-99.8		1102.5	2.3	-3.5	
715643750	715.644	712.3	1.8	-77.3		124.9	0.8	-105.4		1103.9	2.3	-7.8	
715650000	715.650	712.3	1.8	-78.2		125.3	0.8	-104.6		1105.4	2.3	-9.1	
715656250	715.656	712.3	1.8	-76.7		125.8	0.8	-102.1		1106.8	2.3	-9.0	
715662500	715.663	712.3	1.8	-78.1		126.2	0.8	-100.5		1108.2	2.3	-8.2	
715668750	715.669	712.3	1.8	-78.0		126.6	0.8	-107.8		1109.6	2.3	-7.5	
715675000	715.675	712.4	1.8	-77.5		127.1	0.8	-103.1		1111.1	2.3	-7.6	
715681250	715.681	712.4	1.8	-79.1		127.5	0.8	-101.8		1112.5	2.3	-8.2	
715687500	715.688	712.4	1.9	-78.7		128.0	0.8	-110.6		1113.9	2.3	-8.7	
715693750	715.694	712.4	1.8	-77.6		128.4	0.8	-112.4		1115.3	2.3	-8.1	
715700000	715.700	712.4	1.9	-78.2		128.8	0.8	-103.7		1116.8	2.3	-9.0	
715706250	715.706	712.4	1.8	-77.9		129.3	0.8	-98.9		1118.2	2.3	-28.7	
715712500	715.713	712.4	1.9	-77.6		129.7	0.8	-92.2		1119.6	2.3	-2.6	
715718750	715.719	712.4	1.8	-76.3		130.1	0.8	-93.2		1121.0	2.3	-2.0	
715725000	715.725	712.5	1.8	-78.5		130.6	0.8	-96.7		1122.5	2.4	-6.4	
715731250	715.731	712.5	1.8	-78.1		131.0	0.8	-89.5		1123.9	2.4	-14.9	
715737500	715.738	712.5	1.8	-76.2		131.5	0.8	-94.4		1125.3	2.4	-22.2	
715743750	715.744	712.5	1.8	-76.9		131.9	0.8	-92.5		1126.7	2.4	-27.9	
715750000	715.750	712.5	1.9	-76.4		132.3	0.8	-97.8		1128.2	2.4	-32.6	
715756250	715.756	712.5	1.8	-77.6		132.8	0.8	-98.3		1129.6	2.4	-36.6	
715762500	715.763	712.5	1.8	-76.4		133.2	0.8	-91.3		1131.0	2.4	-40.3	
715768750	715.769	712.5	1.8	-77.0		133.6	0.8	-97.8		1132.5	2.4	-43.6	
715775000	715.775	712.6	1.8	-77.4		134.1	0.9	-93.0		1133.9	2.4	-46.6	
715781250	715.781	712.6	1.8	-76.8		134.5	0.9	-97.1		1135.3	2.4	-49.2	
715787500	715.788	712.6	1.8	-76.3		134.9	0.9	-95.0		1136.7	2.4	-50.7	
715793750	715.794	712.6	1.8	-75.4		135.4	0.9	-98.3		1138.2	2.4	-51.8	
715800000	715.800	712.6	1.8	-77.6		135.8	0.9	-91.0		1139.6	2.4	-63.4	
715806250	715.806	712.6	1.8	-76.2		136.3	0.9	-105.8		1141.0	2.4	-58.9	
715812500	715.813	712.6	1.8	-76.0		136.7	0.9	-104.2		1142.4	2.4	-57.7	
715818750	715.819	712.6	1.8	-77.1		137.1	0.9	-98.7		1143.9	2.4	-57.7	
715825000	715.825	712.7	1.8	-74.6		137.6	0.9	-110.6		1145.3	2.4	-58.2	
715831250	715.831	712.7	1.8	-74.8		138.0	0.9	-107.4		1146.7	2.4	-58.7	
715837500	715.838	712.7	1.8	-76.3		138.4	0.9	-116.6		1148.1	2.4	-59.2	
715843750	715.844	712.7	1.9	-75.3		138.9	0.9	-98.1		1149.6	2.4	-59.4	
715850000	715.850	712.7	1.8	-75.2		139.3	0.9	-102.3		1151.0	2.4	-59.5	
715856250	715.856	712.7	1.8	-76.1		139.8	0.9	-103.1		1152.4	2.4	-60.2	
715862500	715.863	712.7	1.8	-74.9		140.2	0.9	-106.8		1153.8	2.4	-60.9	
715868750	715.869	712.7	1.8	-74.2		140.6	0.9	-99.4		1155.3	2.4	-62.2	
715875000	715.875	712.8	1.8	-74.9		141.1	0.9	-101.0		1156.7	2.4	-64.1	
715881250	715.881	712.8	1.8	-75.1		141.5	0.9	-95.7		1158.1	2.4	-71.3	
715887500	715.888	712.8	1.8	-75.7		141.9	0.9	-99.3		1159.5	2.4	-64.3	
715893750	715.894	712.8	1.8	-74.1		142.4	0.9	-101.2		1161.0	2.4	-59.2	
715900000	715.900	712.8	1.9	-74.2		142.8	0.9	-91.7		1162.4	2.4	-62.1	
715906250	715.906	712.8	1.8	-74.0		143.2	0.9	-93.8		1163.8	2.4	-68.5	
715912500	715.913	712.8	1.8	-73.5		143.7	0.9	-99.5		1165.2	2.4	-76.2	
715918750	715.919	712.8	1.8	-73.9		144.1	0.9	-102.9		1166.7	2.4	-59.8	
715925000	715.925	712.9	1.8	-74.1		144.6	0.9	-87.0		1168.1	2.4	-50.5	
715931250	715.931	712.9	1.8	-74.4		145.0	0.9	-93.8		1169.5	2.4	-41.4	
715937500	715.938	712.9	1.8	-74.1		145.4	0.9	-105.6		1170.9	2.4	-29.7	
715943750	715.944	712.9	1.8	-74.1		145.9	0.9	-96.6		1172.4	2.4	-12.1	
715950000	715.950	712.9	1.8	-73.4		146.3	0.9	-94.1		1173.8	2.4	-18.1	
715956250	715.956	712.9	1.8	-73.4		146.7	0.9	-99.9		1175.2	2.4	-16.4	
715962500	715.963	712.9	1.8	-73.9		147.2	0.9	-93.3		1176.6	2.4	-10.1	
715968750	715.969	712.9	1.8	-73.6		147.6	0.9	-95.0		1178.1	2.4	-14.9	
715975000	715.975	713.0	1.8	-73.2		148.1	0.9	-107.5		1179.5	2.4	-25.2	
715981250	715.981	713.0	1.9	-73.2		148.5	0.9	-111.0		1180.9	2.4	-36.6	
715987500	715.988	713.0	1.8	-73.2		148.9	0.9	-101.9		1182.3	2.4	-30.4	
715993750	715.994	713.0	1.8	-73.4		149.4	0.9	-111.0		1183.8	2.4	-18.4	
716000000	716.000	713.0	1.8	-72.8		149.8	0.9	-101.9		1185.2	2.4	-12.1	
716006250	716.006	713.0	1.8	-72.7		150.2	0.9	-106.4		1186.6	2.4	-18.0	
716012500	716.013	713.0	1.8	-72.9		150.7	0.9	-122.7		1188.1	2.4	-21.9	
716018750	716.019	713.0	1.8	-72.7		151.1	0.9	-104.7		1189.5	2.4	-23.8	
716025000	716.025	713.1	1.8	-72.2		151.5	0.9	-102.3		1190.9	2.4	-45.6	
716031250	716.031	713.1	1.8	-72.5		152.0	0.9	-104.8		1192.3	2.4	-56.3	
716037500	716.038	713.1	1.8	-72.1		152.4	0.9	-115.5		1193.8	2.4	-66.0	
716043750	716.044	713.1	1.8	-71.4		152.9	0.9	-95.1		1195.2	2.4	-72.7	
716050000	716.050	713.1	1.9	-72.1		153.3	0.9	-104.1		1196.6	2.4	-81.5	
716056250	716.056	713.1	1.8	-71.3		153.7	0.9	-95.8		1198.0	2.4	-86.8	

[N right angle]=[250ssttLMR400]+[female thru]=[250ssttLMR400]+[N right angle]

NA FW_VERSION 7.74 FW_DATE 30-Oct-02
HP8753ES
DATE TIME
4 Jun 2007 10:40:01
CHAN MEAS FORMAT
1 S21 LOG_MAG
CHAN_START_FREQ CHAN_STOP_FREQ
10000000 3010000000
POINTS POWER IF_BW
1601 0.00E+00 300

FREQUENCY Hz	UNITS dB
628750000	-1.7625
630625000	-1.7646
632500000	-1.7672
634375000	-1.77
636250000	-1.7725
638125000	-1.7746
640000000	-1.777
641875000	-1.7797
643750000	-1.7824
645625000	-1.7847
647500000	-1.7871
649375000	-1.7898
651250000	-1.7925
653125000	-1.795
655000000	-1.7977
656875000	-1.8002
658750000	-1.8027
660625000	-1.8056
662500000	-1.8085
664375000	-1.8112
666250000	-1.8138
668125000	-1.8168
670000000	-1.82
671875000	-1.823
673750000	-1.8255
675625000	-1.8284
677500000	-1.8317
679375000	-1.8346
681250000	-1.8372
683125000	-1.8401
685000000	-1.8433
686875000	-1.8462
688750000	-1.8487
690625000	-1.851
692500000	-1.8541
694375000	-1.8574
696250000	-1.86
698125000	-1.8624
700000000	-1.8651
701875000	-1.8675
703750000	-1.8698
705625000	-1.8722
707500000	-1.8745
709375000	-1.8768
711250000	-1.8791
713125000	-1.8816
715000000	-1.8841
716875000	-1.8863
718750000	-1.8885
720625000	-1.8908
722500000	-1.8931
724375000	-1.8949
726250000	-1.8969
728125000	-1.8994
730000000	-1.9016
731875000	-1.9034
733750000	-1.9056
735625000	-1.9084
737500000	-1.9111
739375000	-1.9128
741250000	-1.9146
743125000	-1.9168
745000000	-1.9189
746875000	-1.9208
748750000	-1.9227
750625000	-1.9252
752500000	-1.9278
754375000	-1.9298
756250000	-1.9314
758125000	-1.9335
760000000	-1.9357
761875000	-1.9379
763750000	-1.9403
765625000	-1.9426
767500000	-1.9449
769375000	-1.9475
771250000	-1.9504
773125000	-1.953
775000000	-1.9552
776875000	-1.9575
778750000	-1.9603
780625000	-1.9631
782500000	-1.9655
784375000	-1.9677
786250000	-1.9703
788125000	-1.9731
790000000	-1.9752
791875000	-1.977
793750000	-1.9793
795625000	-1.9817
797500000	-1.9833
799375000	-1.9847
801250000	-1.9869
803125000	-1.9898
805000000	-1.9924
806875000	-1.9946
808750000	-1.9969
810625000	-1.9992
812500000	-2.0013
814375000	-2.003
816250000	-2.0047
818125000	-2.007
820000000	-2.0091
821875000	-2.0111
823750000	-2.0129
825625000	-2.0148
827500000	-2.0166
829375000	-2.0183
831250000	-2.02
833125000	-2.0217

[250ssttLMR400]+[N right angle]+[N to 3-1/8 adapter]+[mask filter input]+[patch panel]+[fine match to antenna adjustad]=[N to 3-1/8 adapter]+[N right angle]+[250ssttLMR400]

[N right angle]=[250ssttLMR400]+[female thru]=[250ssttLMR400]+[N right angle]

NA FW_VERSION 7.74 FW_DATE 30-Oct-02
HP8753ES
DATE TIME
4 Jun 2007 11:05:31
CHAN MEAS FORMAT
1 S21 LOG_MAG
CHAN_START_FREQ CHAN_STOP_FREQ
709000000 729000000
POINTS POWER IF_BW
1601 0.00E+00 300

FREQUENCY Hz	UNITS dB
713125000	-1.8474
713137500	-1.8472
713150000	-1.8468
713162500	-1.8449
713175000	-1.8474
713187500	-1.8447
713200000	-1.8435
713212500	-1.8452
713225000	-1.8462
713237500	-1.8478
713250000	-1.8456
713262500	-1.846
713275000	-1.8417
713287500	-1.8453
713300000	-1.8455
713312500	-1.8442
713325000	-1.8463
713337500	-1.8468
713350000	-1.8457
713362500	-1.8473
713375000	-1.8487
713387500	-1.8512
713400000	-1.8443
713412500	-1.8464
713425000	-1.847
713437500	-1.846
713450000	-1.8448
713462500	-1.8425
713475000	-1.8446
713487500	-1.8475
713500000	-1.8479
713512500	-1.8448
713525000	-1.8441
713537500	-1.8427
713550000	-1.8449
713562500	-1.8453
713575000	-1.8454
713587500	-1.842
713600000	-1.8473
713612500	-1.8426
713625000	-1.8487
713637500	-1.8459
713650000	-1.8469
713662500	-1.8466
713675000	-1.8441
713687500	-1.8489
713700000	-1.8487
713712500	-1.8447
713725000	-1.8438
713737500	-1.8466
713750000	-1.8468
713762500	-1.8466

[250ssttLMR400]+[N right angle]+[N to 3-1/8 adapter]+[mask filter input]+[patch panel]+[fine match to antenna adjustad]=[N to 3-1/8 adapter]+[N right angle]+[250ssttLMR400]

NA FW_VERSION 7.74 FW_DATE 30-Oct-02
HP8753ES
DATE TIME
4 Jun 2007 15:14:55
CHAN MEAS FORMAT
1 S21 LOG_MAG
CHAN_START_FREQ CHAN_STOP_FREQ
709000000 729000000
POINTS POWER IF_BW
1601 0.00E+00 300

FREQUENCY Hz	UNITS dB
713125000	-73.907
713137500	-74.152
713150000	-73.059
713162500	-73.498
713175000	-72.982
713187500	-73.501
713200000	-73.216
713212500	-72.772
713225000	-72.738
713237500	-72.845
713250000	-72.387
713262500	-72.202
713275000	-72.889
713287500	-72.277
713300000	-72.565
713312500	-72.148
713325000	-72.29
713337500	-71.996
713350000	-71.76
713362500	-71.436
713375000	-71.708
713387500	-71.499
713400000	-71.433
713412500	-71.26
713425000	-71.306
713437500	-71.029
713450000	-71.052
713462500	-70.669
713475000	-70.671
713487500	-70.745
713500000	-70.348
713512500	-70.497
713525000	-70.054
713537500	-70.873
713550000	-70.043
713562500	-69.722
713575000	-69.668
713587500	-69.637
713600000	-69.653
713612500	-69.525
713625000	-69.477
713637500	-69.592
713650000	-69.214
713662500	-69.302
713675000	-68.987
713687500	-68.968
713700000	-68.795
713712500	-68.894
713725000	-68.59
713737500	-68.646
713750000	-68.538
713762500	-68.466

[250ssttLMR400]+[N right angle]+[N to 3-1/8 adapter]+[mask filter input]+[patch panel]+[fine match to antenna adjustad]=[N to 3-1/8 adapter]+[N right angle]+[250ssttLMR400]

NA FW_VERSION 7.74 FW_DATE 30-Oct-02
HP8753ES
DATE TIME
4 Jun 2007 16:42:18
CHAN MEAS FORMAT
1 S21 LOG_MAG
CHAN_START_FREQ CHAN_STOP_FREQ
709000000 729000000
POINTS POWER IF_BW
1601 0.00E+00 300

FREQUENCY Hz	UNITS dB
713125000	-73.815
713137500	-73.223
713150000	-73.4
713162500	-73.297
713175000	-73.22
713187500	-73.126
713200000	-72.519
713212500	-72.923
713225000	-72.921
713237500	-72.8
713250000	-72.709
713262500	-72.471
713275000	-72.288
713287500	-72.195
713300000	-72.094
713312500	-71.817
713325000	-71.967
713337500	-71.784
713350000	-71.633
713362500	-71.668
713375000	-71.479
713387500	-71.44
713400000	-71.476
713412500	-71.019
713425000	-70.754
713437500	-70.968
713450000	-70.782
713462500	-70.796
713475000	-70.801
713487500	-70.703
713500000	-70.481
713512500	-70.365
713525000	-70.322
713537500	-70.036
713550000	-69.902
713562500	-70.217
713575000	-69.804
713587500	-70.064
713600000	-69.623
713612500	-69.662
713625000	-69.346
713637500	-69.388
713650000	-69.258
713662500	-69.007
713675000	-68.779
713687500	-68.835
713700000	-68.911
713712500	-68.64
713725000	-68.646
713737500	-68.538
713750000	-68.48
713762500	-68.498

[250ssttLMR400]+[N right angle]+[N to 3-1/8 adapter]+[mask filter input]+[patch panel]+[fine match to antenna adjustad]=[N to 3-1/8 adapter]+[N right angle]+[250ssttLMR400]

NA FW_VERSION 7.74 FW_DATE 30-Oct-02
HP8753ES
DATE TIME
4 Jun 2007 17:00:50
CHAN MEAS FORMAT
1 S21 LOG_MAG
CHAN_START_FREQ CHAN_STOP_FREQ
10000000 3010000000
POINTS POWER IF_BW
1601 0.00E+00 300

FREQUENCY Hz	UNITS dB
628750000	-99.523
630625000	-101.07
632500000	-96.937
634375000	-97.707
636250000	-99.133
638125000	-100.53
640000000	-101.08
641875000	-107.09
643750000	-104.43
645625000	-100.29
647500000	-96.756
649375000	-103.56
651250000	-92.652
653125000	-102.82
655000000	-102.78
656875000	-102.58
658750000	-96.302
660625000	-94.763
662500000	-91.65
664375000	-101.51
666250000	-101.69
668125000	-100.87
670000000	-91.996
671875000	-109.49
673750000	-99.092
675625000	-96.477
677500000	-96.772
679375000	-112.26
681250000	-102.52
683125000	-111.17
685000000	-95.998
686875000	-100.53
688750000	-101.67
690625000	-102.71
692500000	-107.62
694375000	-97.38
696250000	-94.186
698125000	-102.91
700000000	-103.92
701875000	-94.373
703750000	-106.89
705625000	-99.139
707500000	-94.243
709375000	-100.54
711250000	-84.807
713125000	-73.687
715000000	-62.77
716875000	-17.03
718750000	-5.9445
720625000	-2.6
722500000	-62.383
724375000	-68.153
726250000	-81.768
728125000	-94.396
730000000	-101.14
731875000	-98.159
733750000	-97.268
735625000	-96.209
737500000	-98.177
739375000	-107.33
741250000	-110.12
743125000	-97.038
745000000	-96.926
746875000	-90.922
748750000	-92.743
750625000	-95.605
752500000	-110.75
754375000	-97.915
756250000	-90.513
758125000	-89.61
760000000	-90.074
761875000	-100.91
763750000	-102.49
765625000	-102.5
767500000	-98.966
769375000	-98.011
771250000	-95.147
773125000	-98.025
775000000	-115
776875000	-99.391
778750000	-103.9
780625000	-104.95
782500000	-102.06
784375000	-93.437
786250000	-99.458
788125000	-107.19
790000000	-94.658
791875000	-96.303
793750000	-101.54
795625000	-98.793
797500000	-109.49
799375000	-101.28
801250000	-104
803125000	-100.68
805000000	-106.16
806875000	-99.052
808750000	-96.677
810625000	-102.29
812500000	-96.036
814375000	-101.93
816250000	-90.583
818125000	-93.494
820000000	-101.85
821875000	-96.74
823750000	-89.005
825625000	-86.591
827500000	-99.299
829375000	-97.007
831250000	-93.214
833125000	-91.227

[250ssttLMR400]+[N right angle]+[N to 3-1/8 adapter]+[mask filter input]+[patch panel]+[fine match to antenna adjustad]=[N to 3-1/8 adapter]+[N right angle]+[250ssttLMR400]

NA FW_VERSION 7.74 FW_DATE 3.76E+04
HP8753ES
DATE TIME
5 Jun 2007 14:40:27
CHAN MEAS FORMAT
1 S21 LOG_MAG
CHAN_START_FREQ CHAN_STOP_FREQ
1.000E+00 3010000000
POINTS POWER IF_BW
1.601E+03 0.00E+00

FREQUENCY Hz	UNITS dB
1199456250	-92.79
1200881875	-95.663
1202307500	-95.982
1203733125	-90.808
1205158750	-88.899
1206584375	-96.118
1208010000	-96.891
1209435625	-108.15
1210861250	-119.83
1212286875	-100.01
1213712500	-94.121
1215138125	-94.387
1216563750	-90.654
1217989375	-98.589
1219415000	-101.54
1220840625	-112.02
1222266250	-98.203
1223691875	-89.114
1225117500	-109.87
1226543125	-92.902
1227968750	-95.224
1229394375	-100.87
1230820000	-97.723
1232245625	-104.93
1233671250	-100.15
1235096875	-98.271
1236522500	-96.576
1237948125	-103.38
1239373750	-97.014
1240799375	-109.59
1242225000	-101.82
1243650625	-101.7
1245076250	-108.2
1246501875	-101.17
1247927500	-99.418
1249353125	-94.956
1250778750	-93.632
1252204375	-93.773
1253630000	-98.759
1255055625	-103.12
1256481250	-100.31
1257906875	-102.99
1259332500	-102.82
1260758125	-96.364
1262183750	-98.125
1263609375	-91.735
1265035000	-100.98
1266460625	-99.935
1267886250	-101.7
1269311875	-103.83
1270737500	-96.002
1272163125	-100.49
1273588750	-95.683
1275014375	-95.567
1276440000	-99.123
1277865625	-107.31
1279291250	-105.86
1280716875	-99.134
1282142500	-96.613
1283568125	-93.754
1284993750	-99.076
1286419375	-95.561
1287845000	-98.898
1289270625	-111.46
1290696250	-107.08
1292121875	-102.42
1293547500	-93.883
1294973125	-93.256
1296398750	-87.345
1297824375	-94.723
1299250000	-102.84
1300675625	-105.58
1302101250	-100.69
1303526875	-102.09
1304952500	-108.36
1306378125	-98.42
1307803750	-111.11
1309229375	-103.21
1310655000	-93.636
1312080625	-96.231
1313506250	-105.37
1314931875	-110.53
1316357500	-102.72
1317783125	-96.74
1319208750	-105.93
1320634375	-90.879
1322060000	-90.151
1323485625	-103.86
1324911250	-97.168
1326336875	-105.75
1327762500	-98.318
1329188125	-80.614
1330613750	-82.594
1332039375	-104.76
1333465000	-97.066
1334890625	-98.057
1336316250	-103.95
1337741875	-109.86
1339167500	-96.849
1340593125	-101.5
1342018750	-94.69
1343444375	-95.078
1344870000	-108.91
1346295625	-98.882
1347721250	-96.917
1349146875	-94.141
1350572500	-95.321
1351998125	-98.97
1353423750	-94.213
1354849375	-97.903

Frequency Hz	Frequency MHz	Freq MHz	Cable loss dB	Dielectric S21	Freq MHz	Cable loss dB	s21 Dielectric dB	Freq MHz	Cable loss dB	s21 Dielectric dB
	max=> min=>									
716062500	716.063	713.1	1.8	-72.1	154.2	0.9	-93.3	1199.5	2.4	-90.3
716068750	716.069	713.1	1.8	-72.3	154.6	0.9	-97.2	1200.9	2.4	-93.2
716075000	716.075	713.2	1.8	-71.2	155.0	0.9	-108.6	1202.3	2.4	-93.5
716081250	716.081	713.2	1.8	-71.7	155.5	0.9	-105.4	1203.7	2.4	-88.4
716087500	716.088	713.2	1.8	-71.1	155.9	0.9	-96.5	1205.2	2.4	-86.5
716093750	716.094	713.2	1.8	-71.7	156.4	0.9	-111.4	1206.6	2.5	-93.7
716100000	716.100	713.2	1.8	-71.4	156.8	0.9	-103.0	1208.0	2.5	-94.4
716106250	716.106	713.2	1.8	-70.9	157.2	0.9	-96.0	1209.4	2.5	-105.7
716112500	716.113	713.2	1.8	-70.9	157.7	0.9	-91.9	1210.9	2.5	-117.4
716118750	716.119	713.2	1.8	-71.0	158.1	0.9	-101.9	1212.3	2.5	-97.5
716125000	716.125	713.3	1.8	-70.5	158.5	0.9	-106.5	1213.7	2.5	-91.7
716131250	716.131	713.3	1.8	-70.4	159.0	0.9	-102.8	1215.1	2.5	-91.9
716137500	716.138	713.3	1.8	-71.0	159.4	0.9	-98.7	1216.6	2.5	-88.2
716143750	716.144	713.3	1.8	-70.4	159.8	0.9	-107.5	1218.0	2.5	-96.1
716150000	716.150	713.3	1.8	-70.7	160.3	0.9	-102.7	1219.4	2.5	-99.1
716156250	716.156	713.3	1.8	-70.3	160.7	0.9	-112.1	1220.8	2.5	-109.6
716162500	716.163	713.3	1.8	-70.4	161.2	0.9	-106.5	1222.3	2.5	-95.7
716168750	716.169	713.3	1.8	-70.1	161.6	0.9	-101.9	1223.7	2.5	-86.6
716175000	716.175	713.4	1.8	-69.9	162.0	0.9	-97.9	1225.1	2.5	-107.4
716181250	716.181	713.4	1.8	-69.6	162.5	0.9	-113.4	1226.5	2.5	-90.4
716187500	716.188	713.4	1.8	-69.9	162.9	0.9	-115.0	1228.0	2.5	-92.8
716193750	716.194	713.4	1.8	-69.6	163.3	0.9	-102.8	1229.4	2.5	-103.2
716200000	716.200	713.4	1.8	-69.6	163.8	0.9	-104.9	1230.8	2.5	-95.2
716206250	716.206	713.4	1.8	-69.4	164.2	0.9	-95.2	1232.2	2.5	-102.5
716212500	716.213	713.4	1.8	-69.5	164.7	0.9	-104.3	1233.7	2.5	-97.7
716218750	716.219	713.4	1.8	-69.2	165.1	0.9	-103.6	1235.1	2.5	-95.8
716225000	716.225	713.5	1.8	-69.2	165.5	0.9	-103.1	1236.5	2.5	-94.1
716231250	716.231	713.5	1.8	-68.8	166.0	0.9	-99.6	1237.9	2.5	-100.9
716237500	716.238	713.5	1.8	-68.8	166.4	0.9	-91.1	1239.4	2.5	-94.5
716243750	716.244	713.5	1.8	-68.9	166.8	0.9	-96.5	1240.8	2.5	-107.1
716250000	716.250	713.5	1.8	-68.5	167.3	0.9	-96.8	1242.2	2.5	-99.3
716256250	716.256	713.5	1.8	-68.7	167.7	0.9	-117.0	1243.7	2.5	-99.2
716262500	716.263	713.5	1.8	-68.2	168.1	0.9	-108.6	1245.1	2.5	-105.7
716268750	716.269	713.5	1.8	-69.0	168.6	0.9	-97.1	1246.5	2.5	-98.7
716275000	716.275	713.6	1.8	-68.2	169.0	0.9	-92.8	1247.9	2.5	-96.9
716281250	716.281	713.6	1.8	-67.9	169.5	0.9	-90.0	1249.4	2.5	-92.5
716287500	716.288	713.6	1.8	-67.8	169.9	0.9	-92.4	1250.8	2.5	-91.1
716293750	716.294	713.6	1.8	-67.8	170.3	0.9	-92.9	1252.2	2.5	-91.3
716300000	716.300	713.6	1.8	-67.8	170.8	0.9	-96.8	1253.6	2.5	-96.3
716306250	716.306	713.6	1.8	-67.7	171.2	0.9	-102.2	1255.1	2.5	-100.6
716312500	716.313	713.6	1.8	-67.6	171.6	0.9	-94.3	1256.5	2.5	-97.8
716318750	716.319	713.6	1.8	-67.7	172.1	0.9	-101.3	1257.9	2.5	-100.5
716325000	716.325	713.7	1.8	-67.4	172.5	0.9	-96.1	1259.3	2.5	-100.3
716331250	716.331	713.7	1.8	-67.5	173.0	0.9	-99.4	1260.8	2.5	-93.9
716337500	716.338	713.7	1.8	-67.1	173.4	0.9	-101.0	1262.2	2.5	-95.6
716343750	716.344	713.7	1.8	-67.1	173.8	0.9	-99.6	1263.6	2.5	-89.2
716350000	716.350	713.7	1.8	-66.9	174.3	0.9	-105.0	1265.0	2.5	-98.5
716356250	716.356	713.7	1.8	-67.0	174.7	0.9	-100.6	1266.5	2.5	-97.4
716362500	716.363	713.7	1.8	-66.7	175.1	1.0	-104.3	1267.9	2.5	-99.2
716368750	716.369	713.7	1.8	-66.5	175.6	1.0	-104.7	1269.3	2.5	-101.2
716375000	716.375	713.8	1.8	-66.7	176.0	1.0	-96.7	1270.7	2.5	-93.5
716381250	716.381	713.8	1.8	-66.5	176.4	1.0	-114.0	1272.2	2.5	-98.0
716387500	716.388	713.8	1.8	-66.4	176.9	1.0	-94.2	1273.6	2.5	-93.2
716393750	716.394	713.8	1.8	-66.4	177.3	1.0	-96.1	1275.0	2.5	-93.0
716400000	716.400	713.8	1.8	-66.3	177.8	1.0	-99.6	1276.4	2.5	-96.6
716406250	716.406	713.8	1.8	-65.9	178.2	1.0	-94.5	1277.9	2.5	-104.8
716412500	716.413	713.8	1.8	-66.0	178.6	1.0	-94.6	1279.3	2.5	-103.3
716418750	716.419	713.8	1.8	-65.8	179.1	1.0	-93.0	1280.7	2.5	-96.6
716425000	716.425	713.9	1.8	-65.7	179.5	1.0	-89.3	1282.1	2.5	-94.1
716431250	716.431	713.9	1.8	-65.5	179.9	1.0	-90.6	1283.6	2.5	-91.2
716437500	716.438	713.9	1.8	-65.4	180.4	1.0	-99.9	1285.0	2.5	-96.5
716443750	716.444	713.9	1.8	-65.3	180.8	1.0	-112.7	1286.4	2.5	-93.0
716450000	716.450	713.9	1.8	-65.2	181.3	1.0	-97.2	1287.8	2.5	-96.4
716456250	716.456	713.9	1.8	-65.3	181.7	1.0	-87.4	1289.3	2.5	-108.9
716462500	716.463	713.9	1.8	-65.2	182.1	1.0	-99.2	1290.7	2.5	-104.5
716468750	716.469	713.9	1.8	-65.0	182.6	1.0	-96.5	1292.1	2.5	-99.9
716475000	716.475	714.0	1.8	-64.8	183.0	1.0	-101.2	1293.5	2.5	-91.3
716481250	716.481	714.0	1.8	-64.6	183.4	1.0	-100.1	1295.0	2.5	-90.7
716487500	716.488	714.0	1.8	-64.8	183.9	1.0	-97.8	1296.4	2.6	-84.8
716493750	716.494	714.0	1.8	-64.5	184.3	1.0	-109.3	1297.8	2.6	-92.2
716500000	716.500	714.0	1.8	-64.4	184.8	1.0	-112.0	1299.3	2.6	-100.3
716506250	716.506	714.0	1.8	-64.3	185.2	1.0	-101.7	1300.7	2.6	-103.0
716512500	716.513	714.0	1.8	-64.3	185.6	1.0	-111.1	1302.1	2.6	-98.1
716518750	716.519	714.0	1.8	-64.2	186.1	1.0	-103.0	1303.5	2.6	-99.5
716525000	716.525	714.1	1.8	-63.8	186.5	1.0	-111.3	1305.0	2.6	-105.8
716531250	716.531	714.1	1.8	-63.9	186.9	1.0	-102.3	1306.4	2.6	-95.9
716537500	716.538	714.1	1.8	-63.9	187.4	1.0	-109.3	1307.8	2.6	-108.5
716543750	716.544	714.1	1.8	-63.6	187.8	1.0	-105.3	1309.2	2.6	-100.6
716550000	716.550	714.1	1.8	-63.5	188.2	1.0	-98.9	1310.7	2.6	-91.1
716556250	716.556	714.1	1.8	-63.6	188.7	1.0	-97.2	1312.1	2.6	-93.7
716562500	716.563	714.1	1.8	-63.5	189.1	1.0	-96.8	1313.5	2.6	-102.8
716568750	716.569	714.1	1.8	-63.3	189.6	1.0	-93.9	1314.9	2.6	-108.0
716575000	716.575	714.2	1.8	-63.2	190.0	1.0	-99.7	1316.4	2.6	-100.1
716581250	716.581	714.2	1.8	-62.9	190.4	1.0	-99.3	1317.8	2.6	-94.2
716587500	716.588	714.2	1.8	-62.8	190.9	1.0	-96.0	1319.2	2.6	-103.4
716593750	716.594	714.2	1.8	-62.9	191.3	1.0	-91.5	1320.6	2.6	-88.3
716600000	716.600	714.2	1.8	-62.7	191.7	1.0	-96.9	1322.1	2.6	-87.6
716606250	716.606	714.2	1.8	-62.6	192.2	1.0	-97.5	1323.5	2.6	-101.3
716612500	716.613	714.2	1.8	-62.5	192.6	1.0	-96.5	1324.9	2.6	-94.6
716618750	716.619	714.2	1.8	-62.3	193.1	1.0	-92.7	1326.3	2.6	-103.2
716625000	716.625	714.2	1.8	-62.4	193.5	1.0	-97.0	1327.8	2.6	-95.7
716631250	716.631	714.3	1.8	-62.2	193.9	1.0	-95.1	1329.2	2.6	-78.0
716637500	716.638	714.3	1.8	-62.1	194.4	1.0	-96.0	1330.6	2.6	-80.0
716643750	716.644	714.3	1.8	-62.1	194.8	1.0	-98.8	1332.0	2.6	-102.2
716650000	716.650	714.3	1.8	-61.9	195.2	1.0	-95.5	1333.5	2.6	-94.5
716656250	716.656	714.3	1.8	-61.9	195.7	1.0	-99.4	1334.9	2.6	-95.5
716662500	716.663	714.3	1.8	-61.7	196.1	1.0	-108.4	1336.3	2.6	-101.4
716668750	716.669	714.3	1.8	-61.6	196.5	1.0	-100.5	1337.7	2.6	-107.3
716675000	716.675	714.4	1.8	-61.5	197.0	1.0	-101.3	1339.2	2.6	-94.3
716681250	716.681	714.4	1.8	-61.4	197.4	1.0	-104.7	1340.6	2.6	-98.9
716687500	716.688	714.4	1.8	-61.4	197.9	1.0	-98.2	1342.0	2.6	-92.1
716693750	716.694	714.4	1.8	-61.2	198.3	1.0	-102.3	1343.4	2.6	-92.5
716700000	716.700	714.4	1.8	-61.1	198.7	1.0	-118.0	1344.9	2.6	-106.3
716706250	716.706	714.4	1.8	-61.0	199.2	1.0	-101.0	1346.3	2.6	-96.3
716712500	716.713	714.4	1.8	-61.0	199.6	1.0	-106.1

max=>
min=>

Frequency Hz	Frequency MHz	Freq MHz	Cable loss dB	Dielectric S21 dB	Freq MHz	Cable loss dB	s21 Dielectric dB	Freq MHz	Cable loss dB	s21 Dielectric dB
716750000	716.750	714.5	1.8	-60.4	202.2	1.0	-98.2	1356.3	2.6	-94.2
716756250	716.756	714.5	1.8	-60.3	202.7	1.0	-94.8	1357.7	2.6	-96.0
716762500	716.763	714.5	1.8	-60.2	203.1	1.0	-102.8	1359.1	2.6	-102.1
716768750	716.769	714.5	1.8	-60.1	203.5	1.0	-97.1	1360.6	2.6	-94.4
716775000	716.775	714.6	1.8	-60.1	204.0	1.0	-98.2	1362.0	2.6	-91.7
716781250	716.781	714.6	1.8	-60.0	204.4	1.0	-95.2	1363.4	2.6	-97.9
716787500	716.788	714.6	1.8	-59.7	204.8	1.0	-104.2	1364.8	2.6	-103.3
716793750	716.794	714.6	1.8	-59.8	205.3	1.0	-91.3	1366.3	2.6	-104.2
716800000	716.800	714.6	1.8	-59.7	205.7	1.0	-92.1	1367.7	2.6	-102.0
716806250	716.806	714.6	1.8	-59.7	206.2	1.0	-92.8	1369.1	2.6	-101.5
716812500	716.813	714.6	1.8	-59.6	206.6	1.0	-91.9	1370.5	2.6	-104.8
716818750	716.819	714.6	1.8	-59.5	207.0	1.0	-102.0	1372.0	2.6	-93.5
716825000	716.825	714.7	1.8	-59.4	207.5	1.0	-92.4	1373.4	2.6	-96.0
716831250	716.831	714.7	1.8	-59.4	207.9	1.0	-103.3	1374.8	2.6	-110.9
716837500	716.838	714.7	1.8	-59.2	208.3	1.0	-98.5	1376.2	2.6	-106.7
716843750	716.844	714.7	1.8	-59.2	208.8	1.0	-102.0	1377.7	2.6	-100.1
716850000	716.850	714.7	1.8	-59.0	209.2	1.0	-105.5	1379.1	2.6	-99.6
716856250	716.856	714.7	1.8	-59.1	209.7	1.0	-125.5	1380.5	2.6	-102.8
716862500	716.863	714.7	1.8	-58.9	210.1	1.0	-116.0	1381.9	2.6	-94.7
716868750	716.869	714.7	1.8	-58.9	210.5	1.0	-100.1	1383.4	2.6	-90.8
716875000	716.875	714.8	1.8	-58.9	211.0	1.0	-106.3	1384.8	2.6	-86.9
716881250	716.881	714.8	1.8	-58.8	211.4	1.0	-101.0	1386.2	2.6	-103.1
716887500	716.888	714.8	1.8	-58.7	211.8	1.0	-98.0	1387.6	2.6	-103.4
716893750	716.894	714.8	1.8	-58.7	212.3	1.0	-101.9	1389.1	2.6	-92.9
716900000	716.900	714.8	1.8	-58.7	212.7	1.0	-101.3	1390.5	2.6	-99.8
716906250	716.906	714.8	1.8	-58.6	213.1	1.0	-114.4	1391.9	2.6	-103.1
716912500	716.913	714.9	1.8	-58.5	213.6	1.0	-92.8	1393.3	2.6	-96.9
716918750	716.919	714.8	1.8	-58.5	214.0	1.0	-96.3	1394.8	2.6	-92.0
716925000	716.925	714.9	1.8	-58.3	214.5	1.0	-96.4	1396.2	2.6	-101.4
716931250	716.931	714.9	1.8	-58.4	214.9	1.0	-96.4	1397.6	2.6	-98.3
716937500	716.938	714.9	1.8	-58.3	215.3	1.0	-98.9	1399.0	2.6	-102.2
716943750	716.944	714.9	1.8	-58.3	215.8	1.0	-97.5	1400.5	2.6	-96.5
716950000	716.950	714.9	1.8	-58.3	216.2	1.0	-94.7	1401.9	2.6	-99.0
716956250	716.956	714.9	1.8	-58.4	216.6	1.0	-95.3	1403.3	2.6	-105.2
716962500	716.963	714.9	1.8	-58.3	217.1	1.0	-93.9	1404.7	2.6	-92.9
716968750	716.969	714.9	1.8	-58.2	217.5	1.0	-101.7	1406.2	2.7	-90.1
716975000	716.975	715.0	1.8	-58.3	218.0	1.0	-105.9	1407.6	2.7	-107.2
716981250	716.981	715.0	1.8	-58.1	218.4	1.1	-100.7	1409.0	2.7	-103.1
716987500	716.988	715.0	1.8	-58.2	218.8	1.1	-100.1	1410.4	2.7	-106.9
716993750	716.994	715.0	1.8	-58.2	219.3	1.1	-96.1	1411.9	2.7	-88.0
717000000	717.000	715.0	1.8	-58.1	219.7	1.1	-107.3	1413.3	2.7	-70.9
717006250	717.006	715.0	1.8	-58.2	220.1	1.1	-94.5	1414.7	2.7	-49.0
717012500	717.013	715.0	1.8	-58.2	220.6	1.1	-93.3	1416.2	2.7	-50.5
717018750	717.019	715.0	1.8	-58.2	221.0	1.1	-101.6	1417.6	2.7	-42.3
717025000	717.025	715.1	1.8	-58.2	221.4	1.1	-114.1	1419.0	2.7	-58.4
717031250	717.031	715.1	1.8	-58.2	221.9	1.1	-110.4	1420.4	2.7	-68.4
717037500	717.038	715.1	1.8	-58.2	222.3	1.1	-107.6	1421.9	2.7	-74.8
717043750	717.044	715.1	1.8	-58.4	222.8	1.1	-99.2	1423.3	2.7	-89.1
717050000	717.050	715.1	1.8	-58.4	223.2	1.1	-101.3	1424.7	2.7	-96.5
717056250	717.056	715.1	1.8	-58.3	223.6	1.1	-109.0	1426.1	2.7	-96.7
717062500	717.063	715.1	1.8	-58.5	224.1	1.1	-104.3	1427.6	2.7	-82.9
717068750	717.069	715.1	1.8	-58.6	224.5	1.1	-100.4	1429.0	2.7	-67.0
717075000	717.075	715.2	1.8	-58.7	224.9	1.1	-99.7	1430.4	2.7	-39.5
717081250	717.081	715.2	1.8	-58.8	225.4	1.1	-94.8	1431.8	2.7	-44.4
717087500	717.088	715.2	1.8	-58.9	225.8	1.1	-92.2	1433.3	2.7	-61.1
717093750	717.094	715.2	1.8	-59.1	226.3	1.1	-99.0	1434.7	2.7	-47.8
717100000	717.100	715.2	1.8	-59.1	226.7	1.1	-95.9	1436.1	2.7	-44.7
717106250	717.106	715.2	1.8	-59.2	227.1	1.1	-92.9	1437.5	2.7	-61.9
717112500	717.113	715.2	1.8	-59.5	227.6	1.1	-97.2	1439.0	2.7	-85.7
717118750	717.119	715.2	1.8	-59.7	228.0	1.1	-106.8	1440.4	2.7	-87.2
717125000	717.125	715.3	1.8	-59.9	228.4	1.1	-94.7	1441.8	2.7	-92.3
717131250	717.131	715.3	1.8	-60.0	228.9	1.1	-101.3	1443.2	2.7	-95.1
717137500	717.138	715.3	1.8	-60.3	229.3	1.1	-100.1	1444.7	2.7	-108.8
717143750	717.144	715.3	1.8	-60.6	229.7	1.1	-97.6	1446.1	2.7	-98.9
717150000	717.150	715.3	1.8	-60.9	230.2	1.1	-92.6	1447.5	2.7	-88.8
717156250	717.150	715.3	1.8	-61.1	230.6	1.1	-96.7	1448.9	2.7	-81.4
717162500	717.163	715.3	1.8	-61.5	231.1	1.1	-100.5	1450.4	2.7	-73.7
717168750	717.169	715.3	1.8	-62.0	231.5	1.1	-92.8	1451.8	2.7	-65.6
717175000	717.175	715.4	1.8	-62.4	231.9	1.1	-93.2	1453.2	2.7	-55.2
717181250	717.181	715.4	1.8	-62.9	232.4	1.1	-96.6	1454.6	2.7	-34.7
717187500	717.188	715.4	1.8	-63.6	232.8	1.1	-98.3	1456.1	2.7	-42.1
717193750	717.194	715.4	1.8	-64.2	233.2	1.1	-103.6	1457.5	2.7	-43.5
717200000	717.200	715.4	1.8	-64.4	233.7	1.1	-105.7	1458.9	2.7	-46.2
717206250	717.206	715.4	1.8	-65.7	234.1	1.1	-113.4	1460.3	2.7	-40.0
717212500	717.213	715.4	1.8	-66.8	234.6	1.1	-109.1	1461.8	2.7	-22.4
717218750	717.219	715.4	1.8	-67.5	235.0	1.1	-98.1	1463.2	2.7	-33.0
717225000	717.225	715.5	1.8	-69.0	235.4	1.1	-106.3	1464.6	2.7	-36.9
717231250	717.231	715.5	1.8	-70.3	235.9	1.1	-103.1	1466.0	2.7	-37.0
717237500	717.238	715.5	1.8	-72.4	236.3	1.1	-103.7	1467.5	2.7	-34.9
717243750	717.244	715.5	1.8	-75.7	236.7	1.1	-105.2	1468.9	2.7	-29.5
717250000	717.250	715.5	1.8	-78.2	237.2	1.1	-101.0	1470.3	2.7	-15.1
717256250	717.256	715.5	1.8	-80.5	237.6	1.1	-107.9	1471.8	2.7	-26.1
717262500	717.263	715.5	1.8	-81.0	238.0	1.1	-104.3	1473.2	2.7	-31.6
717268750	717.269	715.5	1.8	-76.5	238.5	1.1	-97.2	1474.6	2.7	-33.4
717275000	717.275	715.6	1.8	-73.1	238.9	1.1	-102.9	1476.0	2.7	-33.4
717281250	717.281	715.6	1.8	-70.1	239.4	1.1	-100.0	1477.5	2.7	-31.5
717287500	717.288	715.6	1.8	-68.4	239.8	1.1	-91.9	1478.9	2.7	-25.7
717293750	717.294	715.6	1.8	-66.6	240.2	1.1	-92.5	1480.3	2.7	-14.5
717300000	717.300	715.6	1.8	-65.6	240.7	1.1	-98.1	1481.7	2.7	-26.6
717306250	717.306	715.6	1.8	-64.4	241.1	1.1	-102.4	1483.2	2.7	-24.2
717312500	717.313	715.6	1.8	-62.9	241.5	1.1	-90.2	1484.6	2.7	-15.3
717318750	717.319	715.6	1.8	-61.7	242.0	1.1	-104.7	1486.0	2.7	-7.3
717325000	717.325	715.7	1.8	-61.2	242.4	1.1	-96.6	1487.4	2.7	-13.5
717331250	717.331	715.7	1.8	-59.8	242.9	1.1	-99.3	1488.9	2.7	-53.3
717337500	717.338	715.7	1.8	-59.5	243.3	1.1	-104.7	1490.3	2.7	-60.3
717343750	717.344	715.7	1.8	-58.6	243.7	1.1	-93.6	1491.7	2.7	-60.2
717350000	717.350	715.7	1.8	-58.2	244.2	1.1	-96.7	1493.1	2.7	-61.6
717356250	717.356	715.7	1.8	-57.7	244.6	1.1	-98.0	1494.6	2.7	-84.0
717362500	717.363	715.7	1.8	-57.3	245.0	1.1	-105.8	1496.0	2.7	-87.7
717368750	717.369	715.7	1.8	-56.7	245.5	1.1	-101.8	1497.4	2.7	-94.8
717375000	717.375	715.8	1.8	-56.4	245.9	1.1	-101.3	1498.8	2.7	-109.0
717381250	717.381	715.8	1.8	-56.2	246.3	1.1	-108.0	1500.3	2.7	-90.4
717387500	717.388	715.8	1.8	-55.9	246.8	1.1	-100.4	1501.7	2.7	-94.7
717393750	717.394	715.8	1.8	-55.8	247.2	1.1	-102.6	1503.1	2.7	-89.2
717400000	717.400	715.8	1.8	-55.5	247.7	1.1	-104.6	1504.5	2.7	-92.1
717406250	717.406	715.8	1.8	-55.6	248.1	1.1	-98.9	1506.0	2.7	-93.7
717412500	717.413	715.8	1.8	-55.5	248.5	1.1	-95.9	1507.4	2.7	-90.2
717418750	717.419	715.8	1.8	-55.6	249.0	1.1	-104.5	1508.8	2.7	-76.8
717425000	717.425	715.9	1.8	-55.7	249.4	1.1	-101.8	1510.2	2.8	-95.9
717431250	717.431	715.9	1.8	-55.9	249.8	1.1	-106.1	1511.7	2.8	-90.4

[N right angle]=[250ssttLMR400]=[female thru]=[250ssttLMR400]=[N right angle]

NA		FW_VERSION		FW_DATE
HP8753ES			7.74	30-Oct-02
DATE		TIME		
4 Jun 2007		10:40:01		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
10000000		3010000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
835000000	-2.0235
836875000	-2.0258
838750000	-2.0281
840625000	-2.0299
842500000	-2.0312
844375000	-2.0331
846250000	-2.0355
848125000	-2.0373
850000000	-2.0391
851875000	-2.0415
853750000	-2.0444
855625000	-2.047
857500000	-2.0489
859375000	-2.0512
861250000	-2.0542
863125000	-2.0567
865000000	-2.0583
866875000	-2.0602
868750000	-2.0626
870625000	-2.0651
872500000	-2.0672
874375000	-2.0697
876250000	-2.0723
878125000	-2.0749
880000000	-2.0771
881875000	-2.0796
883750000	-2.0823
885625000	-2.0851
887500000	-2.0878
889375000	-2.0911
891250000	-2.0942
893125000	-2.0965
895000000	-2.0986
896875000	-2.101
898750000	-2.1033
900625000	-2.1053
902500000	-2.1078
904375000	-2.1113
906250000	-2.1144
908125000	-2.1164
910000000	-2.1183
911875000	-2.1208
913750000	-2.123
915625000	-2.1246
917500000	-2.126
919375000	-2.1287
921250000	-2.1318
923125000	-2.1338
925000000	-2.1352

[250ssttLMR400]=[N right angle]=[N to 3-1/8 adapter]=[mask fiber input]=[patch panel]=[fine match to antenna adjustment]=[N to 3-1/8 adapter]=[N right angle]=[250ssttLMR400]

[N right angle]=[250ssttLMR400]=[female thru]=[250ssttLMR400]=[N right angle]

NA		FW_VERSION		FW_DATE
HP8753ES			7.74	30-Oct-02
DATE		TIME		
4 Jun 2007		11:05:31		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
714500000	-1.8419
714512500	-1.8439
714525000	-1.8449
714537500	-1.844
714550000	-1.8423
714562500	-1.8464
714575000	-1.8452
714587500	-1.8448
714600000	-1.8446
714612500	-1.847
714625000	-1.8454
714637500	-1.8455
714650000	-1.8475
714662500	-1.8478
714675000	-1.8467
714687500	-1.8434
714700000	-1.8424
714712500	-1.8449
714725000	-1.8464
714737500	-1.8401
714750000	-1.8427
714762500	-1.8406
714775000	-1.8432
714787500	-1.8416
714800000	-1.8432
714812500	-1.8416
714825000	-1.8457
714837500	-1.8454
714850000	-1.842
714862500	-1.8468
714875000	-1.8443
714887500	-1.8463
714900000	-1.844
714912500	-1.8457
714925000	-1.8481
714937500	-1.8469
714950000	-1.8456
714962500	-1.8439
714975000	-1.8456
714987500	-1.8447
715000000	-1.845
715012500	-1.8471
715025000	-1.8445
715037500	-1.8445
715050000	-1.8454
715062500	-1.8438
715075000	-1.8407
715087500	-1.844
715100000	-1.8411

[250ssttLMR400]=[N right angle]=[N to 3-1/8 adapter]=[mask fiber input]=[patch panel]=[fine match to antenna adjustment]=[N to 3-1/8 adapter]=[N right angle]=[250ssttLMR400]

NA		FW_VERSION		FW_DATE
HP8753ES			7.74	30-Oct-02
DATE		TIME		
4 Jun 2007		15:14:55		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
714500000	-62.221
714512500	-62.14
714525000	-62.056
714537500	-61.93
714550000	-61.968
714562500	-61.812
714575000	-61.554
714587500	-61.641
714600000	-61.532
714612500	-61.574
714625000	-61.438
714637500	-61.337
714650000	-61.209
714662500	-61.206
714675000	-61.079
714687500	-61.057
714700000	-60.843
714712500	-60.897
714725000	-60.788
714737500	-60.747
714750000	-60.732
714762500	-60.672
714775000	-60.563
714787500	-60.544
714800000	-60.541
714812500	-60.451
714825000	-60.381
714837500	-60.373
714850000	-60.17
714862500	-60.247
714875000	-60.166
714887500	-60.102
714900000	-60.184
714912500	-60.245
714925000	-60.131
714937500	-60.028
714950000	-60.146
714962500	-59.98
714975000	-60.042
714987500	-60.008
715000000	-59.945
715012500	-60
715025000	-60.031
715037500	-60.047
715050000	-60.06
715062500	-60.057
715075000	-60.073
715087500	-60.221
715100000	-60.249

[250ssttLMR400]=[N right angle]=[N to 3-1/8 adapter]=[mask fiber input]=[patch panel]=[fine match to antenna adjustment]=[N to 3-1/8 adapter]=[N right angle]=[250ssttLMR400]

NA		FW_VERSION		FW_DATE
HP8753ES			7.74	30-Oct-02
DATE		TIME		
4 Jun 2007		16:42:18		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
714500000	-62.342
714512500	-62.407
714525000	-62.124
714537500	-62.254
714550000	-61.927
714562500	-61.956
714575000	-62.041
714587500	-61.808
714600000	-61.669
714612500	-61.731
714625000	-61.519
714637500	-61.392
714650000	-61.398
714662500	-61.463
714675000	-61.361
714687500	-61.081
714700000	-61.058
714712500	-61.031
714725000	-61.009
714737500	-60.986
714750000	-60.957
714762500	-60.882
714775000	-60.855
714787500	-60.837
714800000	-60.558
714812500	-60.823
714825000	-60.647
714837500	-60.507
714850000	-60.4
714862500	-60.491
714875000	-60.414
714887500	-60.459
714900000	-60.278
714912500	-60.313
714925000	-60.353
714937500	-60.222
714950000	-60.374
714962500	-60.397
714975000	-60.219
714987500	-60.219
715000000	-60.315
715012500	-60.384
715025000	-60.195
715037500	-60.411
715050000	-60.288
715062500	-60.498
715075000	-60.387
715087500	-60.496
715100000	-60.605

[250ssttLMR400]=[N right angle]=[N to 3-1/8 adapter]=[mask fiber input]=[patch panel]=[fine match to antenna adjustment]=[N to 3-1/8 adapter]=[N right angle]=[250ssttLMR400]

NA		FW_VERSION		FW_DATE
HP8753ES			7.74	30-Oct-02
DATE		TIME		
4 Jun 2007		17:00:50		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
10000000		3010000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
835000000	-119.55
836875000	-105.48
838750000	-106.75
840625000	-92.574
842500000	-102.02
844375000	-98.546
846250000	-105.26
848125000	-105.69
850000000	-101.58
851875000	-106.83
853750000	-93.907
855625000	-102.78
857500000	-103.3
859375000	-105.56
861250000	-99.201
863125000	-98.551
865000000	-93.544
866875000	-95.719
868750000	-99.553
870625000	-100.73
872500000	-112.25
874375000	-103.01
876250000	-97.64
878125000	-94.167
880000000	-94.81
881875000	-97.028
883750000	-96.65
885625000	-123.57
887500000	-95.953
889375000	-93.531
891250000	-109.04
893125000	-98.282
895000000	-104.34
896875000	-111.07
898750000	-91.212
900625000	-94.128
902500000	-98.602
904375000	-104.53
906250000	-103.48
908125000	-112.62
910000000	-96.325
911875000	-96.152
913750000	-99.695
915625000	-93.4
917500000	-94.43
919375000	-99.188
921250000	-105.99
923125000	-103.32
925000000	-104.38

[250ssttLMR400]=[N right angle]=[N to 3-1/8 adapter]=[mask fiber input]=[patch panel]=[fine match to antenna adjustment]=[N to 3-1/8 adapter]=[N right angle]=[250ssttLMR400]

NA		FW_VERSION		FW_DATE
HP8753ES			7.74	3.76E+04
DATE		TIME		
5 Jun 2007		17:10:10		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
729000000		3010000000		
POINTS		POWER		IF_BW
1601		0.00E+00		3.00E+02

FREQUENCY Hz	UNITS dB
1356275000	-96.756
1357700625	-98.596
1359126250	-104.72
1360551875	-97.037
1361977500	-94.347
1363403125	-100.47
1364828750	-105.88
1366254375	-106.81
1367680000	-104.59
1369105625	-105.56
1370531250	-107.38
1371956875	-96.092
1373382500	-98.608
1374808125	-113.51
1376233750	-109.31
1377659375	-102.74
1379085000	-102.26
1380510625	-105.41
1381936250	-97.334
1383361875	-93.391
1384787500	-89.495
1386213125	-105.74
1387638750	-106.04
1389064375	-95.492
1390490000	-102.44
1391915625	-105.69
1393341250	-99.574
1394766875	-94.626
1396192500	-104.05
1397618125	-100.95
1399043750	-104.87
1400469375	-99.156
1401895000	-101.69
1403320625	-107.85
1404746250	-95.522
1406171875	-92.703
1407597500	-109.86
1409023125	-105.76
1410448750	-109.51
1411874375	-90.627
1413300000	-73.523
1414725625	-51.645
1416151250	-53.212
1417576875	-44.916
1419002500	-61.088
1420428125	-71.015
1421853750	-77.43
1423279375	-91.755
1424705000	-96.477

[250ssttLMR400]=[N right angle]=[N to 3-1/8 adapter]=[mask fiber input]=[patch panel]=[fine match to antenna adjustment]=[N to 3-1/8 adapter]=[N right angle]=[250ssttLMR400]

NA		FW_VERSION		FW_DATE
HP8753ES			7.74	
DATE		TIME		
5 Jun 2007		14:40:27		
CHAN		MEAS		
		1 S21		
CHAN_START_FREQ		CHAN_STOP_FREQ		
1.000E+00		1.000E+07		
POINTS		POWER		
1.601E+03		0.00E+00		

FREQUENCY Hz	UNITS dB
2.022E+08	-99.215
2.027E+08	-95.792
2.031E+08	-103.78
2.035E+08	-98.084
2.040E+08	-99.251
2.044E+08	-96.215
2.048E+08	-105.25
2.053E+08	-92.361
2.057E+08	-93.13
2.062E+08	-93.824
2.066E+08	-92.946
2.070E+08	-102.98
2.075E+08	-93.452
2.079E+08	-104.32
2.083E+08	-99.53
2.088E+08	-103.04
2.092E+08	-106.57
2.097E+08	-126.52
2.101E+08	-117.04
2.105E+08	-101.17
2.110E+08	-107.29
2.114E+08	-104.8
2.118E+08	-99.031
2.123E+08	-102.92
2.127E+08	-102.35
2.131E+08	-115.43
2.136E+08	-93.872
2.140E+08	-97.331
2.145E+08	-97.473
2.149E+08	-97.444
2.153E+08	-99.915
2.158E+08	-98.582
2.162E+08	-95.73
2.166E+08	-96.337
2.171E+08	-94.954
2.175E+08	-102.7
2.180E+08	-106.92
2.184E+08	-101.77
2.188E+08	-101.14
2.193E+08	-97.192
2.197E+08	-108.34
2.201E+08	-95.586
2.206E+08	-94.325
2.210E+08	-102.67
2.214E+08	-115.14
2.219E+08	-111.5
2.223E+08	-108.67
2.228E+08	-100.26
2.232E+08	-102.36

max=>
min=>

Frequency Hz	Frequency MHz	Freq MHz	Cable loss dB		Dielectric S21	Freq MHz	Cable loss dB		s21 Dielectric dB	Freq MHz	Cable loss dB		s21 Dielectric dB
717437500	717.438	715.9	1.8		-56.3	250.3	1.1		-100.8	1513.1	2.8		-91.5
717443750	717.444	715.9	1.8		-56.5	250.7	1.1		-99.7	1514.5	2.8		-88.5
717450000	717.450	715.9	1.8		-57.4	251.2	1.1		-103.6	1515.9	2.8		-101.1
717456250	717.456	715.9	1.8		-57.7	251.6	1.1		-96.5	1517.4	2.8		-88.6
717462500	717.463	715.9	1.8		-58.2	252.0	1.1		-93.4	1518.8	2.8		-94.5
717468750	717.469	715.9	1.8		-58.8	252.5	1.1		-98.7	1520.2	2.8		-98.9
717475000	717.475	716.0	1.8		-59.2	252.9	1.1		-97.9	1521.6	2.8		-91.7
717481250	717.481	716.0	1.8		-59.0	253.3	1.1		-87.9	1523.1	2.8		-96.3
717487500	717.488	716.0	1.8		-58.2	253.8	1.1		-91.3	1524.5	2.8		-75.2
717493750	717.494	716.0	1.8		-56.7	254.2	1.1		-90.8	1525.9	2.8		-86.8
717500000	717.500	716.0	1.8		-54.3	254.7	1.1		-118.9	1527.4	2.8		-85.8
717506250	717.506	716.0	1.8		-51.4	255.1	1.1		-97.4	1528.8	2.8		-87.2
717512500	717.513	716.0	1.8		-48.3	255.5	1.1		-101.0	1530.2	2.8		-84.6
717518750	717.519	716.0	1.8		-45.1	256.0	1.1		-99.3	1531.6	2.8		-90.8
717525000	717.525	716.1	1.8		-41.8	256.4	1.1		-93.2	1533.1	2.8		-69.3
717531250	717.531	716.1	1.8		-38.6	256.8	1.1		-99.8	1534.5	2.8		-55.4
717537500	717.538	716.1	1.8		-35.5	257.3	1.1		-97.8	1535.9	2.8		-44.2
717543750	717.544	716.1	1.8		-32.4	257.7	1.1		-101.1	1537.3	2.8		-56.3
717550000	717.550	716.1	1.8		-29.3	258.1	1.1		-115.6	1538.8	2.8		-83.5
717556250	717.556	716.1	1.8		-26.3	258.6	1.1		-101.8	1540.2	2.8		-87.8
717562500	717.563	716.1	1.8		-23.3	259.0	1.1		-104.4	1541.6	2.8		-84.6
717568750	717.569	716.1	1.8		-20.4	259.5	1.1		-101.1	1543.0	2.8		-83.1
717575000	717.575	716.2	1.8		-17.5	259.9	1.1		-105.7	1544.5	2.8		-87.0
717581250	717.581	716.2	1.8		-14.7	260.3	1.1		-101.8	1545.9	2.8		-92.5
717587500	717.588	716.2	1.8		-12.0	260.8	1.1		-97.7	1547.3	2.8		-82.6
717593750	717.594	716.2	1.8		-9.5	261.2	1.1		-96.8	1548.7	2.8		-105.0
717600000	717.600	716.2	1.8		-7.3	261.6	1.1		-98.2	1550.2	2.8		-77.6
717606250	717.606	716.2	1.8		-5.5	262.1	1.1		-102.7	1551.6	2.8		-81.1
717612500	717.613	716.2	1.8		-4.2	262.5	1.1		-97.2	1553.0	2.8		-83.1
717618750	717.619	716.2	1.8		-3.3	263.0	1.1		-106.8	1554.4	2.8		-79.2
717625000	717.625	716.3	1.8		-2.7	263.4	1.1		-98.9	1555.9	2.8		-74.6
717631250	717.631	716.3	1.8		-2.3	263.8	1.1		-95.1	1557.3	2.8		-73.1
717637500	717.638	716.3	1.8		-2.1	264.3	1.1		-101.0	1558.7	2.8		-73.8
717643750	717.644	716.3	1.8		-1.9	264.7	1.1		-97.3	1560.1	2.8		-71.6
717650000	717.650	716.3	1.8		-1.8	265.1	1.1		-91.9	1561.6	2.8		-68.9
717656250	717.656	716.3	1.8		-1.7	265.6	1.1		-93.1	1563.0	2.8		-66.1
717662500	717.663	716.3	1.8		-1.6	266.0	1.1		-96.6	1564.4	2.8		-62.4
717668750	717.669	716.3	1.8		-1.5	266.4	1.1		-95.1	1565.8	2.8		-53.5
717675000	717.675	716.4	1.8		-1.4	266.9	1.2		-98.2	1567.3	2.8		-60.7
717681250	717.681	716.4	1.8		-1.3	267.3	1.2		-110.0	1568.7	2.8		-42.1
717687500	717.688	716.4	1.8		-1.3	267.8	1.2		-94.4	1570.1	2.8		-42.6
717693750	717.694	716.4	1.8		-1.2	268.2	1.2		-106.5	1571.5	2.8		-49.6
717700000	717.700	716.4	1.8		-1.2	268.6	1.2		-96.9	1573.0	2.8		-47.8
717706250	717.706	716.4	1.8		-1.1	269.1	1.2		-112.7	1574.4	2.8		-56.5
717712500	717.713	716.4	1.8		-1.1	269.5	1.2		-97.9	1575.8	2.8		-45.0
717718750	717.719	716.4	1.8		-1.1	269.9	1.2		-96.5	1577.2	2.8		-40.1
717725000	717.725	716.5	1.8		-1.0	270.4	1.2		-101.9	1578.7	2.8		-54.5
717731250	717.731	716.5	1.8		-1.0	270.8	1.2		-101.3	1580.1	2.8		-60.7
717737500	717.738	716.5	1.8		-1.0	271.3	1.2		-103.0	1581.5	2.8		-64.5
717743750	717.744	716.5	1.8		-0.9	271.7	1.2		-103.7	1582.9	2.8		-67.8
717750000	717.750	716.5	1.8		-0.9	272.1	1.2		-106.9	1584.4	2.8		-70.0
717756250	717.756	716.5	1.8		-0.9	272.6	1.2		-104.0	1585.8	2.8		-71.7
717762500	717.763	716.5	1.8		-0.9	273.0	1.2		-95.1	1587.2	2.8		-73.1
717768750	717.769	716.6	1.8		-0.8	273.4	1.2		-111.4	1588.7	2.8		-74.1
717775000	717.775	716.6	1.8		-0.8	273.9	1.2		-99.4	1590.1	2.8		-75.2
717781250	717.781	716.6	1.8		-0.8	274.3	1.2		-108.8	1591.5	2.8		-79.5
717787500	717.788	716.6	1.8		-0.8	274.7	1.2		-95.3	1592.9	2.8		-80.3
717793750	717.794	716.6	1.8		-0.8	275.2	1.2		-96.5	1594.4	2.8		-83.6
717800000	717.800	716.6	1.8		-0.8	275.6	1.2		-98.3	1595.8	2.8		-84.4
717806250	717.806	716.6	1.8		-0.7	276.1	1.2		-104.3	1597.2	2.8		-88.1
717812500	717.813	716.6	1.8		-0.7	276.5	1.2		-96.0	1598.6	2.8		-88.9
717818750	717.819	716.6	1.8		-0.7	276.9	1.2		-97.6	1600.1	2.8		-94.9
717825000	717.825	716.7	1.8		-0.7	277.4	1.2		-101.2	1601.5	2.8		-95.8
717831250	717.831	716.7	1.8		-0.7	277.8	1.2		-91.9	1602.9	2.8		-94.9
717837500	717.838	716.7	1.8		-0.7	278.2	1.2		-94.3	1604.3	2.8		-102.8
717843750	717.844	716.7	1.8		-0.7	278.7	1.2		-96.2	1605.8	2.8		-117.6
717850000	717.850	716.7	1.8		-0.7	279.1	1.2		-98.2	1607.2	2.8		-101.8
717856250	717.856	716.7	1.8		-0.7	279.6	1.2		-104.0	1608.6	2.8		-89.6
717862500	717.863	716.7	1.8		-0.7	280.0	1.2		-97.0	1610.0	2.8		-80.7
717868750	717.869	716.7	1.8		-0.7	280.4	1.2		-106.9	1611.5	2.8		-65.0
717875000	717.875	716.8	1.8		-0.6	280.9	1.2		-103.1	1612.9	2.8		-57.9
717881250	717.881	716.8	1.8		-0.6	281.3	1.2		-96.7	1614.3	2.8		-59.7
717887500	717.888	716.8	1.8		-0.6	281.7	1.2		-103.7	1615.7	2.8		-77.9
717893750	717.894	716.8	1.8		-0.6	282.2	1.2		-116.8	1617.2	2.8		-85.4
717900000	717.900	716.8	1.8		-0.6	282.6	1.2		-112.0	1618.6	2.8		-89.8
717906250	717.906	716.8	1.8		-0.6	283.0	1.2		-102.2	1620.0	2.8		-96.1
717912500	717.913	716.8	1.8		-0.6	283.5	1.2		-111.4	1621.4	2.8		-86.9
717918750	717.919	716.8	1.8		-0.6	283.9	1.2		-96.3	1622.9	2.8		-88.3
717925000	717.925	716.8	1.8		-0.6	284.4	1.2		-106.3	1624.3	2.8		-92.2
717931250	717.931	716.9	1.8		-0.6	284.8	1.2		-102.4	1625.7	2.8		-92.8
717937500	717.938	716.9	1.8		-0.6	285.2	1.2		-98.4	1627.1	2.9		-99.9
717943750	717.944	716.9	1.8		-0.6	285.7	1.2		-98.5	1628.6	2.9		-98.6
717950000	717.950	716.9	1.8		-0.6	286.1	1.2		-95.5	1630.0	2.9		-92.5
717956250	717.956	716.9	1.8		-0.6	286.5	1.2		-89.4	1631.4	2.9		-87.6
717962500	717.963	716.9	1.8		-0.6	287.0	1.2		-96.5	1632.8	2.9		-91.5
717968750	717.969	716.9	1.8		-0.5	287.4	1.2		-105.4	1634.3	2.9		-87.9
717975000	717.975	717.0	1.8		-0.5	287.9	1.2		-91.8	1635.7	2.9		-89.4
717981250	717.981	717.0	1.8		-0.5	288.3	1.2		-98.0	1637.1	2.9		-88.7
717987500	717.988	717.0	1.8		-0.5	288.7	1.2		-92.1	1638.5	2.9		-95.5
717993750	717.994	717.0	1.8		-0.5	289.2	1.2		-100.1	1640.0	2.9		-93.2
718000000	718.000	717.0	1.8		-0.5	289.6	1.2		-98.3	1641.4	2.9		-91.7
718006250	718.006	717.0	1.8		-0.5	290.0	1.2		-94.5	1642.8	2.9		-89.1
718012500	718.013	717.0	1.8		-0.5	290.5	1.2		-95.3	1644.3	2.9		-82.1
718018750	718.019	717.0	1.8		-0.5	290.9	1.2		-100.8	1645.7	2.9		-80.1
718025000	718.025	717.1	1.8		-0.5	291.3	1.2		-99.6	1647.1	2.9		-76.1
718031250	718.031	717.1	1.8		-0.5	291.8	1.2		-114.2	1648.5	2.9		-69.3
718037500	718.038	717.1	1.8		-0.5	292.2	1.2		-104.7	1650.0	2.9		-70.5
718043750	718.044	717.1	1.8		-0.5	292.7	1.2		-100.2	1651.4	2.9		-36.7
718050000	718.050	717.1	1.8		-0.5	293.1	1.2		-100.9	1652.8	2.9		-26.4
718056250	718.056	717.1	1.8		-0.5	293.5	1.2		-102.0	1654.2	2.9		-41.6
718062500	718.063	717.1	1.8		-0.5	294.0	1.2		-104.8	1655.7	2.9		-42.1
718068750	718.069	717.1	1.8		-0.4	294.4	1.2		-100.3	1657.1	2.9		-42.4
718075000	718.075	717.2	1.8		-0.4	294.8	1.2		-98.1	1658.5	2.9		-35.7
718081250	718.081	717.2	1.8		-0.4	295.3	1.2		-107.2	1659.9	2.9		-22.1
718087500	718.088	717.2	1.8		-0.4	295.7	1.2		-99.6	1661.4	2.9		-34.9
718093750	718.094	717.2	1.8		-0.4	296.2	1.2		-98.5	1662.8	2.9		-39.8
718100000	718.100	717.2	1.8		-0.4	296.6	1.2		-104.0	1664.2	2.9		-46.1
718106250	718.106	717.2	1.8		-0.4	297.0	1.2		-103.2	1665.6	2.9		-48.8
718112500	718.113	717.2	1.8		-0.4	297.5	1.2		-100.0	1667.1	2.9		-63.9
718118750	718.119	717.2	1.8		-0.4	297.9	1.2		-92.6	1668.5	2.9		-59.2

[N right artiqe]=[250ssttLMR400]=[female thru]=[250ssttLMR400]=[N right artiqe]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		10:40:01		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
10000000		3010000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
1041250000	-2.2733
1043125000	-2.2751
1045000000	-2.2774
1046875000	-2.28
1048750000	-2.2818
1050625000	-2.2831
1052500000	-2.2852
1054375000	-2.2884
1056250000	-2.2915
1058125000	-2.2939
1060000000	-2.2956
1061875000	-2.2977
1063750000	-2.2997
1065625000	-2.3011
1067500000	-2.3021
1069375000	-2.3037
1071250000	-2.306
1073125000	-2.308
1075000000	-2.3091
1076875000	-2.3104
1078750000	-2.3126
1080625000	-2.315
1082500000	-2.3161
1084375000	-2.3162
1086250000	-2.3172
1088125000	-2.3196
1090000000	-2.3216
1091875000	-2.3224
1093750000	-2.3238
1095625000	-2.3264
1097500000	-2.3289
1099375000	-2.3297
1101250000	-2.3301
1103125000	-2.3317
1105000000	-2.3343
1106875000	-2.3369
1108750000	-2.3388
1110625000	-2.3407
1112500000	-2.343
1114375000	-2.3449
1116250000	-2.346
1118125000	-2.3467
1120000000	-2.3481
1121875000	-2.3506
1123750000	-2.3534
1125625000	-2.3562
1127500000	-2.3583
1129375000	-2.3603
1131250000	-2.3623
1133125000	-2.3642
1135000000	-2.3664
1136875000	-2.37
1138750000	-2.3745
1140625000	-2.3789
1142500000	-2.3818
1144375000	-2.3838
1146250000	-2.3862
1148125000	-2.3888
1150000000	-2.3905
1151875000	-2.392
1153750000	-2.3947
1155625000	-2.3986
1157500000	-2.4018
1159375000	-2.4037
1161250000	-2.4056
1163125000	-2.4081
1165000000	-2.4101
1166875000	-2.4114
1168750000	-2.4126
1170625000	-2.4153
1172500000	-2.4191
1174375000	-2.4227
1176250000	-2.4251
1178125000	-2.4268
1180000000	-2.4283
1181875000	-2.4298
1183750000	-2.431
1185625000	-2.4322
1187500000	-2.4345
1189375000	-2.4385
1191250000	-2.4423
1193125000	-2.4444
1195000000	-2.4458
1196875000	-2.4474
1198750000	-2.4482
1200625000	-2.4472
1202500000	-2.4464
1204375000	-2.4483
1206250000	-2.4526
1208125000	-2.4562
1210000000	-2.4582
1211875000	-2.4601
1213750000	-2.4623
1215625000	-2.4633
1217500000	-2.463
1219375000	-2.4636
1221250000	-2.4663
1223125000	-2.4696
1225000000	-2.472
1226875000	-2.4738
1228750000	-2.4759
1230625000	-2.4777
1232500000	-2.478
1234375000	-2.4777
1236250000	-2.4786
1238125000	-2.4813
1240000000	-2.4851
1241875000	-2.4887
1243750000	-2.4913
1245625000	-2.4934

[N right artiqe]=[250ssttLMR400]=[female thru]=[250ssttLMR400]=[N right artiqe]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		11:05:31		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
715875000	-1.8464
715887500	-1.8449
715900000	-1.842
715912500	-1.8459
715925000	-1.8433
715937500	-1.8414
715950000	-1.8445
715962500	-1.8412
715975000	-1.8426
715987500	-1.8397
716000000	-1.8412
716012500	-1.8412
716025000	-1.8429
716037500	-1.8405
716050000	-1.8424
716062500	-1.8429
716075000	-1.8416
716087500	-1.8437
716100000	-1.8435
716112500	-1.8462
716125000	-1.8455
716137500	-1.8445
716150000	-1.8444
716162500	-1.8444
716175000	-1.8439
716187500	-1.8449
716200000	-1.8446
716212500	-1.8443
716225000	-1.8431
716237500	-1.84
716250000	-1.8418
716262500	-1.8453
716275000	-1.8429
716287500	-1.8419
716300000	-1.8424
716312500	-1.8401
716325000	-1.8389
716337500	-1.8406
716350000	-1.8413
716362500	-1.8414
716375000	-1.8424
716387500	-1.8418
716400000	-1.8411
716412500	-1.8449
716425000	-1.8433
716437500	-1.8464
716450000	-1.8449
716462500	-1.8433
716475000	-1.8423
716487500	-1.8474
716500000	-1.8464
716512500	-1.8449
716525000	-1.8443
716537500	-1.8429
716550000	-1.8432
716562500	-1.8406
716575000	-1.8451
716587500	-1.8412
716600000	-1.8392
716612500	-1.8382
716625000	-1.8395
716637500	-1.8413
716650000	-1.8406
716662500	-1.8414
716675000	-1.8418
716687500	-1.8425
716700000	-1.8431
716712500	-1.8418
716725000	-1.8401
716737500	-1.8412
716750000	-1.8408
716762500	-1.8398
716775000	-1.8416
716787500	-1.8433
716800000	-1.8424
716812500	-1.8415
716825000	-1.8406
716837500	-1.8454
716850000	-1.8431
716862500	-1.846
716875000	-1.8438
716887500	-1.8444
716900000	-1.846
716912500	-1.8409
716925000	-1.8412
716937500	-1.8423
716950000	-1.8395
716962500	-1.8418
716975000	-1.8419
716987500	-1.8468
717000000	-1.8418
717012500	-1.8392
717025000	-1.8413
717037500	-1.8396
717050000	-1.8437
717062500	-1.8395
717075000	-1.8441
717087500	-1.8414
717100000	-1.8429
717112500	-1.8433
717125000	-1.8422
717137500	-1.8452
717150000	-1.8457
717162500	-1.8427
717175000	-1.8473
717187500	-1.8474
717200000	-1.8464
717212500	-1.8413
717225000	-1.8443
717237500	-1.8435

[250ssttLMR400]=[N right artiqe]=[N to 3-1/8 adapter]=[mask fiber input]=[patch panel]=[fine match to antenna adjuster]=[N to 3-1/8 adapter]=[N right artiqe]=[250ssttLMR400]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		15:14:55		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
715875000	-58.159
715887500	-58.349
715900000	-59.288
715912500	-59.576
715925000	-60.061
715937500	-60.673
715950000	-61.017
715962500	-60.826
715975000	-60.068
715987500	-58.527
716000000	-56.154
716012500	-53.266
716025000	-50.158
716037500	-46.899
716050000	-43.681
716062500	-40.465
716075000	-37.31
716087500	-34.215
716100000	-31.147
716112500	-28.136
716125000	-25.168
716137500	-22.245
716150000	-19.365
716162500	-16.553
716175000	-13.853
716187500	-11.355
716200000	-9.1608
716212500	-7.3684
716225000	-6.0415
716237500	-5.1391
716250000	-4.553
716262500	-4.1806
716275000	-3.9309
716287500	-3.7519
716300000	-3.614
716312500	-3.504
716325000	-3.407
716337500	-3.3226
716350000	-3.2509
716362500	-3.1884
716375000	-3.1297
716387500	-3.0775
716400000	-3.0294
716412500	-2.9866
716425000	-2.9473
716437500	-2.9092
716450000	-2.8676
716462500	-2.836
716475000	-2.806
716487500	-2.7757
716500000	-2.7519
716512500	-2.7215
716525000	-2.6993
716537500	-2.6777
716550000	-2.6561
716562500	-2.6371
716575000	-2.622
716587500	-2.607
716600000	-2.592
716612500	-2.5782
716625000	-2.5677
716637500	-2.5596
716650000	-2.5473
716662500	-2.5383
716675000	-2.5319
716687500	-2.5217
716700000	-2.5172
716712500	-2.5088
716725000	-2.5017
716737500	-2.4946
716750000	-2.4873
716762500	-2.4813
716775000	-2.4753
716787500	-2.4708
716800000	-2.4607
716812500	-2.4543
716825000	-2.4464
716837500	-2.446
716850000	-2.4367
716862500	-2.429
716875000	-2.4241
716887500	-2.4172
716900000	-2.4098
716912500	-2.4036
716925000	-2.3972
716937500	-2.3885
716950000	-2.3795
716962500	-2.3725
716975000	-2.3699
716987500	-2.3619
717000000	-2.355
717012500	-2.3476
717025000	-2.3419
717037500	-2.3333
717050000	-2.3298
717062500	-2.322
717075000	-2.3171
717087500	-2.3098
717100000	-2.3058
717112500	-2.3025
717125000	-2.2971
717137500	-2.2934
717150000	-2.2891
717162500	-2.2849
717175000	-2.2822
717187500	-2.2801
717200000	-2.2761
717212500	-2.2717
717225000	-2.271
717237500	-2.2654

[250ssttLMR400]=[N right artiqe]=[N to 3-1/8 adapter]=[mask fiber input]=[patch panel]=[fine match to antenna adjuster]=[N to 3-1/8 adapter]=[N right artiqe]=[250ssttLMR400]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		16:42:18		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
715875000	-58.28
715887500	-58.742
715900000	-59.072
715912500	-59.555
715925000	-60.101
715937500	-60.502
715950000	-60.824
715962500	-60.665
715975000	-60.044
715987500	-58.367
716000000	-55.843
716012500	-53.02
716025000	-49.972
716037500	-46.737
716050000	-43.479
716062500	-40.269
716075000	-37.084
716087500	-33.97
716100000	-30.91
716112500	-27.888
716125000	-24.914
716137500	-21.989
716150000	-19.116
716162500	-16.325
716175000	-13.658
716187500	-11.2
716200000	-9.0505
716212500	-7.3128
716225000	-6.026
716237500	-5.1453
716250000	-4.5708
716262500	-4.1976
716275000	-3.9383
716287500	-3.7518
716300000	-3.6109
716312500	-3.4955
716325000	-3.3958
716337500	-3.3128
716350000	-3.2358
716362500	-3.1708
716375000	-3.1129
716387500	-3.0599
716400000	-3.015
716412500	-2.9678
716425000	-2.9297
716437500	-2.8921
716450000	-2.8544
716462500	-2.8231
716475000	-2.7957
716487500	-2.7659
716500000	-2.7435
716512500	-2.7182
716525000	-2.6986
716537500	-2.677
716550000	-2.6619
716562500	-2.6421
716575000	-2.6306
716587500	-2.6174
716600000	-2.6017
716612500	-2.5889
716625000	-2.5798
716637500	-2.5682
716650000	-2.5539
716662500	-2.5474
716675000	-2.5385
716687500	-2.5282
716700000	-2.5205
716712500	-2.5121
716725000	-2.5002
716737500	-2.4918
716750000	-2.4864
716762500	-2.4759
716775000	-2.4704
716787500	-2.4651
716800000	-2.4534
716812500	-2.4455
716825000	-2.4356
716837500	-2.4307
716850000	-2.422
716862500	-2.4138
716875000	-2.4073
716887500	-2.3981
716900000	-2.3919
716912500	-2.3845
716925000	-2.3777
716937500	-2.3695
716950000	-2.3625
716962500	-2.3572
716975000	-2.3518
716987500	-2.348
717000000	-2.3408
717012500	-2.3354
717025000	-2.3308
717037500	-2.3266
717050000	-2.3254
717062500	-2.317
717075000	-2.3179
717087500	-2.3102
717100000	-2.3068
717112500	-2.3059
717125000	-2.3002
717137500	-2.3033
717150000	-2.2981
717162500	-2.2952
717175000	-2.2933
717187500	-2.2933
717200000	-2.2909
717212500	-2.2882
717225000	-2.2876
717237500	-2.2858

[250ssttLMR400]=[N right artiqe

[N right antpk]+[250ioiLMR400]+[female thru]+[250ioiLMR400]+[N right antpk]

NA	FW_VERSION		FW_DATE
HP8753ES		7.74	30-Oct-02
DATE	TIME		
4 Jun 2007		10:40:01	
CHAN	MEAS		FORMAT
	1 S21		LOG_MAG
CHAN_START_FREQ	CHAN_STOP_FREQ		
10000000	3010000000		
POINTS	POWER		IF_BW
1601	0.00E+00		300

FREQUENCY	UNITS
Hz	dB
1247500000	-2.495
1249375000	-2.4958
1251250000	-2.4958
1253125000	-2.4963
1255000000	-2.4992
1256875000	-2.5037
1258750000	-2.5076
1260625000	-2.5101
1262500000	-2.5121
1264375000	-2.5139
1266250000	-2.5144
1268125000	-2.5135
1270000000	-2.5137
1271875000	-2.5164
1273750000	-2.5204
1275625000	-2.5235
1277500000	-2.5258
1279375000	-2.5286
1281250000	-2.531
1283125000	-2.5317
1285000000	-2.5317
1286875000	-2.5334
1288750000	-2.5377
1290625000	-2.5427
1292500000	-2.5464
1294375000	-2.5493
1296250000	-2.5515
1298125000	-2.5529
1300000000	-2.5534
1301875000	-2.5533
1303750000	-2.5546
1305625000	-2.5584
1307500000	-2.5631
1309375000	-2.5667
1311250000	-2.5685
1313125000	-2.57
1315000000	-2.5716
1316875000	-2.5719
1318750000	-2.5709
1320625000	-2.571
1322500000	-2.5739
1324375000	-2.5779
1326250000	-2.5806
1328125000	-2.5822
1330000000	-2.5842
1331875000	-2.586
1333750000	-2.5853
1335625000	-2.5853
1337500000	-2.5865
1339375000	-2.5898
1341250000	-2.5927
1343125000	-2.5942
1345000000	-2.5958
1346875000	-2.5981
1348750000	-2.5993
1350625000	-2.5984
1352500000	-2.5972
1354375000	-2.5986
1356250000	-2.6026
1358125000	-2.6071
1360000000	-2.6106
1361875000	-2.6131
1363750000	-2.615
1365625000	-2.6159
1367500000	-2.6151
1369375000	-2.614
1371250000	-2.6146
1373125000	-2.6175
1375000000	-2.6211
1376875000	-2.6235
1378750000	-2.6258
1380625000	-2.628
1382500000	-2.6297
1384375000	-2.6297
1386250000	-2.6294
1388125000	-2.6309
1390000000	-2.6348
1391875000	-2.6389
1393750000	-2.6416
1395625000	-2.6436
1397500000	-2.6462
1399375000	-2.648
1401250000	-2.6481
1403125000	-2.6482
1405000000	-2.6503
1406875000	-2.6545
1408750000	-2.6584
1410625000	-2.6609
1412500000	-2.6628
1414375000	-2.6645
1416250000	-2.665
1418125000	-2.6636
1420000000	-2.6624
1421875000	-2.6639
1423750000	-2.668
1425625000	-2.6724
1427500000	-2.6752
1429375000	-2.6773
1431250000	-2.6792
1433125000	-2.6805
1435000000	-2.6807
1436875000	-2.6811
1438750000	-2.6835
1440625000	-2.6877
1442500000	-2.6915
1444375000	-2.6938
1446250000	-2.6956
1448125000	-2.6975
1450000000	-2.6985
1451875000	-2.6979

[250ioiLMR400]+[N right antpk]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustable]+[N to 3-1/8 adapter]+[N right antpk]+[250ioiLMR400]

[N right antpk]+[250ioiLMR400]+[female thru]+[250ioiLMR400]+[N right antpk]

NA	FW_VERSION		FW_DATE
HP8753ES		7.74	30-Oct-02
DATE	TIME		
4 Jun 2007		11:05:31	
CHAN	MEAS		FORMAT
	1 S21		LOG_MAG
CHAN_START_FREQ	CHAN_STOP_FREQ		
709000000	729000000		
POINTS	POWER		IF_BW
1601	0.00E+00		300

FREQUENCY	UNITS
Hz	dB
717250000	-1.8443
717262500	-1.8456
717275000	-1.8413
717287500	-1.8418
717300000	-1.8423
717312500	-1.8408
717325000	-1.8438
717337500	-1.8457
717350000	-1.8443
717362500	-1.8431
717375000	-1.8475
717387500	-1.8433
717400000	-1.8446
717412500	-1.8463
717425000	-1.8418
717437500	-1.8453
717450000	-1.8437
717462500	-1.8486
717475000	-1.8456
717487500	-1.8456
717500000	-1.8426
717512500	-1.8457
717525000	-1.8432
717537500	-1.8452
717550000	-1.8447
717562500	-1.8426
717575000	-1.841
717587500	-1.8423
717600000	-1.8419
717612500	-1.8423
717625000	-1.8411
717637500	-1.8431
717650000	-1.8434
717662500	-1.8462
717675000	-1.8467
717687500	-1.846
717700000	-1.8474
717712500	-1.849
717725000	-1.8459
717737500	-1.8446
717750000	-1.8465
717762500	-1.8467
717775000	-1.8466
717787500	-1.8503
717800000	-1.8469
717812500	-1.8448
717825000	-1.8399
717837500	-1.8481
717850000	-1.8411
717862500	-1.8475
717875000	-1.8424
717887500	-1.842
717900000	-1.8452
717912500	-1.8433
717925000	-1.8451
717937500	-1.841
717950000	-1.8463
717962500	-1.841
717975000	-1.8424
717987500	-1.8463
718000000	-1.8458
718012500	-1.8445
718025000	-1.8427
718037500	-1.846
718050000	-1.8433
718062500	-1.8423
718075000	-1.8435
718087500	-1.8435
718100000	-1.8465
718112500	-1.8455
718125000	-1.8437
718137500	-1.8478
718150000	-1.8452
718162500	-1.8446
718175000	-1.8457
718187500	-1.8454
718200000	-1.8422
718212500	-1.8456
718225000	-1.845
718237500	-1.8432
718250000	-1.8446
718262500	-1.845
718275000	-1.846
718287500	-1.8429
718300000	-1.8452
718312500	-1.847
718325000	-1.8485
718337500	-1.8475
718350000	-1.8453
718362500	-1.8487
718375000	-1.8498
718387500	-1.8484
718400000	-1.847
718412500	-1.848
718425000	-1.8482
718437500	-1.8466
718450000	-1.8453
718462500	-1.8469
718475000	-1.8462
718487500	-1.8438
718500000	-1.8445
718512500	-1.8453
718525000	-1.8447
718537500	-1.8451
718550000	-1.8457
718562500	-1.8458
718575000	-1.8423
718587500	-1.8468
718600000	-1.847
718612500	-1.845

[250ioiLMR400]+[N right antpk]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right antpk]+[250ioiLMR400]

NA	FW_VERSION		FW_DATE
HP8753ES		7.74	30-Oct-02
DATE	TIME		
4 Jun 2007		15:14:55	
CHAN	MEAS		FORMAT
	1 S21		LOG_MAG
CHAN_START_FREQ	CHAN_STOP_FREQ		
709000000	729000000		
POINTS	POWER		IF_BW
1601	0.00E+00		300

FREQUENCY	UNITS
Hz	dB
717250000	-2.2678
717262500	-2.2658
717275000	-2.2628
717287500	-2.2587
717300000	-2.261
717312500	-2.257
717325000	-2.2571
717337500	-2.2578
717350000	-2.2556
717362500	-2.2546
717375000	-2.2556
717387500	-2.2539
717400000	-2.2526
717412500	-2.2546
717425000	-2.2483
717437500	-2.2498
717450000	-2.2494
717462500	-2.2542
717475000	-2.2499
717487500	-2.2494
717500000	-2.2499
717512500	-2.2486
717525000	-2.247
717537500	-2.2506
717550000	-2.249
717562500	-2.2488
717575000	-2.2458
717587500	-2.2464
717600000	-2.2441
717612500	-2.2403
717625000	-2.2426
717637500	-2.238
717650000	-2.242
717662500	-2.2408
717675000	-2.2417
717687500	-2.2388
717700000	-2.2386
717712500	-2.2353
717725000	-2.2317
717737500	-2.232
717750000	-2.2276
717762500	-2.2292
717775000	-2.2255
717787500	-2.2235
717800000	-2.2214
717812500	-2.2187
717825000	-2.2143
717837500	-2.2149
717850000	-2.2112
717862500	-2.2135
717875000	-2.2082
717887500	-2.2035
717900000	-2.1945
717912500	-2.1924
717925000	-2.1924
717937500	-2.19
717950000	-2.1906
717962500	-2.1874
717975000	-2.1884
717987500	-2.1881
718000000	-2.1892
718012500	-2.1868
718025000	-2.1867
718037500	-2.1869
718050000	-2.1827
718062500	-2.1821
718075000	-2.1837
718087500	-2.1822
718100000	-2.1852
718112500	-2.1823
718125000	-2.1795
718137500	-2.1838
718150000	-2.1796
718162500	-2.1817
718175000	-2.1807
718187500	-2.1823
718200000	-2.1775
718212500	-2.1781
718225000	-2.1789
718237500	-2.1772
718250000	-2.175
718262500	-2.1789
718275000	-2.1813
718287500	-2.1774
718300000	-2.178
718312500	-2.1788
718325000	-2.1771
718337500	-2.1768
718350000	-2.1778
718362500	-2.1762
718375000	-2.179
718387500	-2.1773
718400000	-2.1765
718412500	-2.1767
718425000	-2.1754
718437500	-2.1716
718450000	-2.1758
718462500	-2.1745
718475000	-2.175
718487500	-2.1732
718500000	-2.1751
718512500	-2.1727
718525000	-2.1712
718537500	-2.1701
718550000	-2.1704
718562500	-2.1706
718575000	-2.1682
718587500	-2.1681
718600000	-2.1669
718612500	-2.166

[250ioiLMR400]+[N right antpk]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right antpk]+[250ioiLMR400]

NA	FW_VERSION		FW_DATE
HP8753ES		7.74	30-Oct-02
DATE	TIME		
4 Jun 2007		16:42:18	
CHAN	MEAS		FORMAT
	1 S21		LOG_MAG
CHAN_START_FREQ	CHAN_STOP_FREQ		
709000000	729000000		
POINTS	POWER		IF_BW
1601	0.00E+00		300

FREQUENCY	UNITS
Hz	dB
717250000	-2.284
717262500	-2.2834
717275000	-2.2787
717287500	-2.2786
717300000	-2.2778
717312500	-2.2745
717325000	-2.2745
717337500	-2.2738
717350000	-2.2726
717362500	-2.269
717375000	-2.2693
717387500	-2.2664
717400000	-2.2635
717412500	-2.2655
717425000	-2.2617
717437500	-2.2596
717450000	-2.2586
717462500	-2.2586
717475000	-2.2553
717487500	-2.254
717500000	-2.2526
717512500	-2.25
717525000	-2.2458
717537500	-2.2468
717550000	-2.2441
717562500	-2.2402
717575000	-2.2376
717587500	-2.234
717600000	-2.2318
717612500	-2.2319
717625000	-2.2301
717637500	-2.2262
717650000	-2.2307
717662500	-2.2239
717675000	-2.2215
717687500	-2.2238
717700000	-2.2206
717712500	-2.2186
717725000	-2.2148
717737500	-2.2152
717750000	-2.2093
717762500	-2.2098
717775000	-2.2066
717787500	-2.2058
717800000	-2.2044
717812500	-2.2019
717825000	-2.1981
717837500	-2.1995
717850000	-2.1965
717862500	-2.1959
717875000	-2.1928
717887500	-2.1934
717900000	-2.1945
717912500	-2.1924
717925000	-2.1924
717937500	-2.1906
717950000	-2.1874
717962500	-2.1884
717975000	-2.1881
717987500	-2.1892
718000000	-2.1868
718012500	-2.1867
718025000	-2.1869
718037500	-2.1827
718050000	-2.1821
718062500	-2.1837
718075000	-2.1822
718087500	-2.1823
718100000	-2.1852
718112500	-2.1823
718125000	-2.1795
718137500	-2.1838
718150000	-2.1796
718162500	-2.1817
718175000	-2.1807
718187500	-2.1823
718200000	-2.1775
718212500	-2.1781
718225000	-2.1789
718237500	-2.1772
718250000	-2.175
718262500	-2.1789
718275000	-2.1813
718287500	-2.1774
718300000	-2.178
718312500	-2.1788
718325000	-2.1771
718337500	-2.1768
718350000	-2.1778
718362500	-2.1762
718375000	-2.179
718387500	-2.1773
718400000	-2.1765
718412500	-2.1767
718425000	-2.1754
718437500	-2.1716
718450000	-2.1758
718462500	-2.1745
718475000	-2.175
718487500	-2.1732
718500000	-2.1751
718512500	-2.1727
718525000	-2.1712
718537500	-2.1701
718550000	-2.1704
718562500	-2.1706
718575000	-2.1682
718587500	-2.1681
718600000	-2.1669
718612500	-2.166

[250ioiLMR400]+[N right antpk]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right antpk]+[250ioiLMR400]

NA	FW_VERSION		FW_DATE
HP8753ES		7.74	30-Oct-02
DATE	TIME		
4 Jun 2007		17:00:50	
CHAN	MEAS		FORMAT
	1 S21		LOG_MAG
CHAN_START_FREQ	CHAN_STOP_FREQ		
10000000	3010000000		
POINTS	POWER		IF_BW
1601	0.00E+00		300

FREQUENCY	UNITS
Hz	dB
1247500000	-95.229
1249375000	-96.059
1251250000	-95.822
1253125000	-94.014
1255000000	-97.349
1256875000	-100.99
1258750000	-103.65
1260625000	-95.625
1262500000	-97.323
1264375000	-92.529
1266250000	-99.912
1268125000	-106.05
1270000000	-97.916
1271875000	-94.607
1273750000	-97.564
1275625000	-93.704
1277500000	-94.455
1279375000	-106.68
1281250000	-96.479
1283125000	-104.23
1285000000	-93.958
1286875000	-104.4
1288750000	-98.876
1290625000	-111.7
1292500000	-91.802
1294375000	-103.21
1296250000	-91.91
1298125000	-92.249
1300000000	-98.53
1301875000	-102.08
1303750000	-100.48
1305625000	-89.692
1307500000	-96.815
1309375000	-107.75
1311250000	-103.32
1313125000	-109.87
1315000000	-103.08
1316875000	-90.663
1318750000	-93.323
1320625000	-96.125
1322500000	-95.106
1324375000	-103.7
1326250000	-103.19
1328125000	-102.36
1330000000	-81.129
1331875000	-90.718
1333750000	-97.271
1335625000	-93.819
1337500000	-91.997
1339375000	-97.624
1341250000	-99.013
1343125000	-103.82
1345000000	-100.34
1346875000	-96.158
1348750000	-93.056
1350625000	-96.011
1352500000	-108.36
1354375000	-102.61
1356250000	-103.28
1358125000	-98.488
1360000000	-102.37
1361875000	-99.736
1363750000	-108.98
1365625000	-98.156
1367500000	-103.21
1369375000	-105.53
1371250000	-96.32
1373125000	-101.31
1375000000	-104.84
1376875000	-103.52
1378750000	-104.69
1380625000	-107.1
1382500000	-97.369
1384375000	-93.042
1386250000	-99.085
1388125000	-107.36
1390000000	-102.46
1391875000	-119.37
1393750000	-95.984
1395625000	-93.589
1397500000	-93.959
1399375000	-100.99
1401250000	-101.54
1403125000	-93.491
1405000000	-91.363
1406875000	-99.888
1408750000	-99.363
1410625000	-118.68
1412500000	-85.45
1414375000	-55.393
1416250000	-52.316
1418125000	-50.68
1420000000	-68.944
1421875000	-79.443
1423750000	-91.939
1425625000	-101.97
1427500000	-97.184
1429375000	-64.528
1431250000	-43.993
1433125000	-63.416
1435000000	-51.607
1436875000	-59.458
1438750000	-99.191
1440625000	-103.73
1442500000	-92.876
1444375000	-98.02
1446250000	-106.67
1448125000	-88.323
1450000000	-77.86
1451875000	-67.717

[250ioiLMR400]+[N right antpk]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right antpk]+[250ioiLMR400]

NA	FW_VERSION		FW_DATE
HP8753ES		7.74	3.76E+04
DATE	TIME		
5 Jun 2007		14:40:27	
CHAN	MEAS		FORMAT
	1 S21		LOG_MAG
CHAN_START_FREQ	CHAN_STOP_FREQ		
1.000E+00	S21		
1.000E+07	709000000		
POINTS	POWER		
1.601E+03	0.00E+00		

FREQUENCY	UNITS
Hz	dB
2.983E+08	-102.46
2.988E+08	-92.037
2.992E+08	-95.65
2.996E+08	-91.627
3.001E+08	-101
3.005E+08	-105.61
3.010E+08	-95.419
3.014E+08	-97.986
3.018E+08	-98.992
3.023E+08	-98.118
3.027E+08	-109.34
3.031E+08	-97.848
3.036E+08	-116.93
3.040E+08	-100.28
3.045E+08	-91.917
3.049E+08	-100.33
3.053E+08	-106.15
3.058E+08	-99.989
3.062E+08	-119.34
3.066E+08	-102.98
3.071E+08	-108.6
3.075E+08	-112.08
3.079E+08	-120.07
3.084E+08	-100.82
3.088E+08	-108.23
3.093E+08	-99.771
3.097E+08	-99.75
3.101E+08	-101.92
3.106E+08	-92.084
3.110E+08	-89.266
3.114E+08	-95.48
3.119E+08	-101.02
3.123E+08	-92.134
3.128E+08	-97.416
3.132E+08	-91.687
3.136E+08	-110.08
3.141E+08	-90.313
3.145E+08	-92.201
3.149E+08	-87.819
3.154E+08	-103.34
3.158E+08	-96.564
3.162E+08	-102.51
3.167E+08	-96
3.171E+08	-114.24
3.176E+08	-102.82
3.180E+08	-108.89
3.184E+08	-103.24
3.189E+08	-106.94
3.193E+08	-109.92
3.197E+08	-102.11
3.202E+08	-100.21
3.206E+08	-97.852
3.211E+08	-95.448
3.215E+08	-99.901
3.219E+08	-106.43
3.224E+08	-95.756
3.228E+08	-96.606
3.232E+08	-100.45
3.237E+08	-119.4
3.241E+08	-101.06
3.246E+08	-91.799
3.250E+08	-95.031
3.254E+08	-91.613
3.259E+08	-91.272
3.263E+08	-93.629
3.267E+08	-97.243
3.272E+08	-93.646
3.276E+08	-104.43
3.280E+08	-96.337
3.285E+08	-96.586
3.289E+08	-102.68
3.294E+08	-113.46
3.298E+08	-102.2
3.302E+08	-104.37
3.307E+08	-93.259
3.311E+08	-102.81
3.315E+08	-108.36
3.320E+08	-97.213
3.324E+08	-102.76
3.329E+08	-104.21
3.333E+08	-93.657
3.337E+08	-105.42
3.342E+08	-92.951
3.346E+08	-108.27
3.350E+08	-95.687
3.355E+08	-106.71
3.359E+08	-101.99
3.363E+08	-101.83
3.368E+08	-95.951
3.372E+08	-98.163
3.377E+08	-98.978
3.381E+08	-101.37
3.385E+08	-99.646
3.390E+08	-104.82
3.394E+08	-101.22
3.398E+08	-97.391
3.403E+08	-97.304
3.407E+08	-106.66
3.412E+08	-103.47
3.416E+08	-103.51
3.420E+08	-101.16
3.425E+08	-106.18
3.429E+08	-103.81
3.433E+08	-121.75
3.438E+08	-99.871
3.442E+08	-96.252
3.446E+08	-102.06
3.451E+08	-101.54
3.455E+08	-97.2
3.460E+08	-99.764

[N right antpk]+[250ssttLMR400]+[female thru]+[250ssttLMR400]+[N right antpk]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		10:40:01		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
10000000		3010000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY	UNITS
Hz	dB
1453750000	-2.6974
1455625000	-2.6992
1457500000	-2.7025
1459375000	-2.7049
1461250000	-2.7062
1463125000	-2.7079
1465000000	-2.7098
1466875000	-2.7106
1468750000	-2.7099
1470625000	-2.7101
1472500000	-2.7132
1474375000	-2.7175
1476250000	-2.7212
1478125000	-2.7236
1480000000	-2.7257
1481875000	-2.7275
1483750000	-2.7279
1485625000	-2.7268
1487500000	-2.7262
1489375000	-2.7284
1491250000	-2.7323
1493125000	-2.7358
1495000000	-2.7381
1496875000	-2.7399
1498750000	-2.7419
1500625000	-2.7426
1502500000	-2.7417
1504375000	-2.7413
1506250000	-2.7435
1508125000	-2.7476
1510000000	-2.7511
1511875000	-2.7533
1513750000	-2.7555
1515625000	-2.7574
1517500000	-2.7581
1519375000	-2.7579
1521250000	-2.759
1523125000	-2.7624
1525000000	-2.7667
1526875000	-2.77
1528750000	-2.772
1530625000	-2.7742
1532500000	-2.7759
1534375000	-2.7758
1536250000	-2.7748
1538125000	-2.7754
1540000000	-2.7792
1541875000	-2.7845
1543750000	-2.7883

[N right antpk]+[250ssttLMR400]+[female thru]+[250ssttLMR400]+[N right antpk]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		11:05:31		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY	UNITS
Hz	dB
718625000	-1.8491
718637500	-1.846
718650000	-1.8441
718662500	-1.847
718675000	-1.8485
718687500	-1.8474
718700000	-1.8486
718712500	-1.8474
718725000	-1.8458
718737500	-1.8474
718750000	-1.8468
718762500	-1.849
718775000	-1.8447
718787500	-1.8473
718800000	-1.8442
718812500	-1.8455
718825000	-1.8435
718837500	-1.8469
718850000	-1.8475
718862500	-1.8461
718875000	-1.8466
718887500	-1.8468
718900000	-1.8459
718912500	-1.8482
718925000	-1.8491
718937500	-1.8495
718950000	-1.8495
718962500	-1.853
718975000	-1.8519
718987500	-1.848
719000000	-1.8484
719012500	-1.8451
719025000	-1.8485
719037500	-1.8534
719050000	-1.8469
719062500	-1.8507
719075000	-1.8495
719087500	-1.8477
719100000	-1.8429
719112500	-1.8459
719125000	-1.8469
719137500	-1.8449
719150000	-1.8487
719162500	-1.8483
719175000	-1.85
719187500	-1.846
719200000	-1.8468
719212500	-1.845
719225000	-1.8473

[250ssttLMR400]+[N right antpk]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match positioner]+[N to 3-1/8 adapter]+[N right antpk]+[250ssttLMR400]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		15:14:55		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY	UNITS
Hz	dB
718625000	-2.1766
718637500	-2.1765
718650000	-2.1753
718662500	-2.1782
718675000	-2.1791
718687500	-2.1774
718700000	-2.1776
718712500	-2.177
718725000	-2.1765
718737500	-2.1761
718750000	-2.1752
718762500	-2.1787
718775000	-2.177
718787500	-2.1745
718800000	-2.1744
718812500	-2.1756
718825000	-2.1731
718837500	-2.1755
718850000	-2.1756
718862500	-2.1742
718875000	-2.1741
718887500	-2.1677
718900000	-2.1731
718912500	-2.1688
718925000	-2.1703
718937500	-2.1677
718950000	-2.1667
718962500	-2.1684
718975000	-2.1682
718987500	-2.165
719000000	-2.1604
719012500	-2.1608
719025000	-2.1592
719037500	-2.1607
719050000	-2.1596
719062500	-2.1576
719075000	-2.1577
719087500	-2.1574
719100000	-2.1533
719112500	-2.1507
719125000	-2.1525
719137500	-2.1489
719150000	-2.1516
719162500	-2.1499
719175000	-2.15
719187500	-2.1488
719200000	-2.1499
719212500	-2.1464
719225000	-2.1456

[250ssttLMR400]+[N right antpk]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustable]+[N to 3-1/8 adapter]+[N right antpk]+[250ssttLMR400]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		16:42:18		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY	UNITS
Hz	dB
718625000	-2.1672
718637500	-2.1688
718650000	-2.1639
718662500	-2.1633
718675000	-2.1678
718687500	-2.1639
718700000	-2.1649
718712500	-2.1628
718725000	-2.1634
718737500	-2.1636
718750000	-2.1617
718762500	-2.1611
718775000	-2.1623
718787500	-2.1581
718800000	-2.1601
718812500	-2.1612
718825000	-2.1603
718837500	-2.157
718850000	-2.1579
718862500	-2.1574
718875000	-2.1604
718887500	-2.1587
718900000	-2.1566
718912500	-2.1591
718925000	-2.159
718937500	-2.1597
718950000	-2.1589
718962500	-2.1599
718975000	-2.1591
718987500	-2.1567
719000000	-2.1541
719012500	-2.1559
719025000	-2.1574
719037500	-2.1578
719050000	-2.159
719062500	-2.1622
719075000	-2.159
719087500	-2.1588
719100000	-2.1541
719112500	-2.1548
719125000	-2.155
719137500	-2.1546
719150000	-2.1564
719162500	-2.1601
719175000	-2.1578
719187500	-2.1556
719200000	-2.1575
719212500	-2.1555
719225000	-2.156

[250ssttLMR400]+[N right antpk]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustable]+[N to 3-1/8 adapter]+[N right antpk]+[250ssttLMR400]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		17:00:50		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
10000000		3010000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY	UNITS
Hz	dB
1453750000	-50.81
1455625000	-42.549
1457500000	-46.595
1459375000	-52.857
1461250000	-31.246
1463125000	-35.05
1465000000	-39.881
1466875000	-38.762
1468750000	-32.82
1470625000	-19.985
1472500000	-32.359
1474375000	-36.007
1476250000	-35.971
1478125000	-32.124
1480000000	-20.1
1481875000	-30.677
1483750000	-20.769
1485625000	-13.143
1487500000	-19.411
1489375000	-65.675
1491250000	-64.848
1493125000	-64.126
1495000000	-90.011
1496875000	-98.811
1498750000	-88.743
1500625000	-97.636
1502500000	-94.107
1504375000	-98.316
1506250000	-92.54
1508125000	-82.211
1510000000	-97.955
1511875000	-93.167
1513750000	-97.851
1515625000	-98.564
1517500000	-99.904
1519375000	-97.702
1521250000	-97.59
1523125000	-96.995
1525000000	-77.314
1526875000	-87.046
1528750000	-88.69
1530625000	-90.916
1532500000	-84.967
1534375000	-60.036
1536250000	-51.274
1538125000	-76.364
1540000000	-91.783
1541875000	-92.632
1543750000	-92.323
1545625000	-92.225
1547500000	-86.647
1549375000	-82.16
1551250000	-82.68
1553125000	-86.076
1555000000	-75.739
1556875000	-78.491
1558750000	-76.859
1560625000	-73.728
1562500000	-70.354
1564375000	-65.775
1566250000	-60.493
1568125000	-54.869
1570000000	-43.314
1571875000	-52.758
1573750000	-54.088
1575625000	-49.411
1577500000	-46.496
1579375000	-60.748
1581250000	-66.939
1583125000	-70.855
1585000000	-73.749
1586875000	-75.656
1588750000	-76.877
1590625000	-78.731
1592500000	-80.334
1594375000	-84.012
1596250000	-88.756
1598125000	-94
1600000000	-97.874
1601875000	-95.163
1603750000	-95.812
1605625000	-98.657
1607500000	-102.26
1609375000	-93.3
1611250000	-70.896
1613125000	-59.909
1615000000	-74.162
1616875000	-87.174
1618750000	-98.473
1620625000	-92.261
1622500000	-95.174
1624375000	-88.699
1626250000	-100.33
1628125000	-100.19
1630000000	-97.741
1631875000	-94.517
1633750000	-91.173
1635625000	-91.903
1637500000	-95.213
1639375000	-101.18
1641250000	-94.189
1643125000	-89.264
1645000000	-86.93
1646875000	-78.054
1648750000	-73.781
1650625000	-64.244
1652500000	-30.991
1654375000	-45.3
1656250000	-46.274
1658125000	-40.898

[250ssttLMR400]+[N right antpk]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustable]+[N to 3-1/8 adapter]+[N right antpk]+[250ssttLMR400]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		3.76E+04
DATE		TIME		
5 Jun 2007		14:40:27		
CHAN		MEAS		
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
1.000E+00		1.601E+03		
POINTS		POWER		
1601		0.00E+00		

FREQUENCY	UNITS
Hz	dB
1826731250	-20.981
1828156875	-23.27
1829582500	-30.395
1831008125	-34.279
1832433750	-53.351
1833859375	-39.405
1835285000	-19.191
1836710625	-25.854
1838136250	-17.872
1839561875	-35.611
1840987500	-37.232
1842413125	-31.648
1843838750	-42.671
1845264375	-36.466
1846690000	-30.065
1848115625	-21.677
1849541250	-21.086
1850966875	-20.949
1852392500	-17.636
1853818125	-34.322
1855243750	-41.573
1856669375	-44.444
1858095000	-44.159
1859520625	-42.476
1860946250	-44.503
1862371875	-40.396
1863797500	-30.98
1865223125	-25.127
1866648750	-18.287
1868074375	-15.934
1869500000	-17.721
1870925625	-17.323
1872351250	-13.571
1873776875	-11.862
1875202500	-24.747
1876628125	-32.142
1878053750	-32.5
1879479375	-39.971
1880905000	-19.502
1882330625	-29.48
1883756250	-35.543
1885181875	-34.752
1886607500	-34.758
1888033125	-32.858
1889458750	-34.175
1890884375	-37.395
1892310000	-29.92
1893735625	-28.903
1895161250	-30.616
1896586875	-23.843
1898012500	-71.488
1899438125	-46.438
1900863750	-43.102
1902289375	-46.565
1903715000	-49.621
1905140625	-37.439
1906566250	-42.391
1907991875	-54.199
1909417500	-39.778
1910843125	-36.003
1912268750	-55.562
1913694375	-47.529
1915120000	-49.42
1916545625	-47.346
1917971250	-28.844
1919398875	-34.005
1920826500	-45.03
1922248125	-52.347
1923673750	-22.651
1925099375	-24.318
1926525000	-16.409
1927950625	-14.071
1929376250	-24.768
1930801875	-45.085
1932227500	-41.068
1933653125	-36.69
1935078750	-47.904
1936504375	-30.913
1937930000	-34.281
1939355625	-50.425
1940781250	-50.706
1942206875	-41.607
1943632500	-19.818
1945058125	-21.981
1946483750	-31.993
1947909375	-26.962
1949335000	-15.99
1950760625	-29.918
1952186250	-35.217
1953611875	-20.801
1955037500	-31.414
1956463125	-32.35
1957888750	-30.568
1959314375	-29.844
1960740000	-27.518
1962165625	-22.673
1963591250	-26.997
1965016875	-34.904
1966442500	-37.376
1967868125	-39.042
1969293750	-48.747
1970719375	-30.564
1972145000	-35.317
1973570625	-35.844
1974996250	-30.625
1976421875	-63.751
1977847500	-68.957
1979273125	-52.886
1980698750	-33.046

	max=>											
	min=>											
Frequency	Frequency	Freq	Cable loss	Dielectric S21	Freq	Cable loss	s21 Dielectric	Freq	Cable loss	s21 Dielectric		
Hz	MHz	MHz	dB		MHz	dB		MHz	dB			
718812500	718.813	718.6	1.8	-0.3	346.4	1.3	-100.3	1826.7	3.0	-18.0		
718818750	718.819	718.6	1.8	-0.3	346.8	1.3	-93.3	1828.2	3.0	-20.2		
718825000	718.825	718.7	1.8	-0.3	347.3	1.3	-91.8	1829.6	3.0	-27.4		
718831250	718.831	718.7	1.8	-0.3	347.7	1.3	-96.4	1831.0	3.0	-31.2		
718837500	718.838	718.7	1.8	-0.3	348.1	1.3	-98.3	1832.4	3.0	-50.3		
718843750	718.844	718.8	1.8	-0.3	348.6	1.3	-87.8	1833.9	3.0	-36.4		
718850000	718.850	718.7	1.8	-0.3	349.0	1.3	-103.0	1835.3	3.0	-16.2		
718856250	718.856	718.7	1.8	-0.3	349.5	1.3	-90.4	1836.7	3.0	-22.8		
718862500	718.863	718.7	1.8	-0.3	349.9	1.3	-91.2	1838.1	3.0	-14.8		
718868750	718.869	718.8	1.8	-0.3	350.3	1.3	-92.4	1839.6	3.0	-32.6		
718875000	718.875	718.8	1.8	-0.3	350.8	1.3	-95.2	1841.0	3.0	-34.2		
718881250	718.881	718.8	1.8	-0.3	351.2	1.3	-104.1	1842.4	3.0	-28.6		
718887500	718.888	718.8	1.8	-0.3	351.6	1.3	-96.1	1843.8	3.0	-39.6		
718893750	718.894	718.8	1.8	-0.3	352.1	1.3	-102.2	1845.3	3.0	-33.4		
718900000	718.900	718.8	1.8	-0.3	352.5	1.3	-102.5	1846.7	3.0	-27.0		
718906250	718.906	718.8	1.8	-0.3	352.9	1.3	-96.6	1848.1	3.0	-18.6		
718912500	718.913	718.8	1.8	-0.3	353.4	1.3	-107.2	1849.5	3.0	-18.0		
718918750	718.919	718.8	1.8	-0.3	353.8	1.3	-104.0	1851.0	3.0	-17.9		
718925000	718.925	718.9	1.8	-0.3	354.3	1.3	-101.9	1852.4	3.0	-14.6		
718931250	718.931	718.9	1.8	-0.3	354.7	1.3	-98.7	1853.8	3.0	-31.3		
718937500	718.938	718.9	1.8	-0.3	355.1	1.3	-115.8	1855.2	3.0	-38.5		
718943750	718.944	718.9	1.8	-0.3	355.6	1.3	-108.8	1856.7	3.0	-41.4		
718950000	718.950	718.9	1.8	-0.3	356.0	1.3	-105.5	1858.1	3.0	-41.1		
718956250	718.956	718.9	1.8	-0.3	356.4	1.3	-96.5	1859.5	3.0	-39.4		
718962500	718.963	718.9	1.8	-0.3	356.9	1.3	-102.1	1860.9	3.0	-41.5		
718968750	718.969	718.9	1.8	-0.3	357.3	1.3	-98.4	1862.4	3.0	-37.4		
718975000	718.975	718.9	1.8	-0.3	357.8	1.3	-98.6	1863.8	3.0	-27.9		
718981250	718.981	719.0	1.9	-0.3	358.2	1.3	-99.7	1865.2	3.0	-22.1		
718987500	718.988	719.0	1.9	-0.3	358.6	1.3	-117.6	1866.6	3.0	-15.2		
718993750	718.994	719.0	1.8	-0.3	359.1	1.3	-93.6	1868.1	3.0	-12.9		
719000000	719.000	719.0	1.8	-0.3	359.5	1.3	-94.2	1869.5	3.1	-14.7		
719006250	719.006	719.0	1.8	-0.3	359.9	1.3	-95.4	1870.9	3.1	-14.3		
719012500	719.013	719.0	1.8	-0.3	360.4	1.3	-101.6	1872.4	3.1	-10.5		
719018750	719.019	719.0	1.9	-0.3	360.8	1.3	-99.8	1873.8	3.1	-8.8		
719025000	719.025	719.0	1.9	-0.3	361.2	1.3	-108.8	1875.2	3.1	-21.7		
719031250	719.031	719.1	1.9	-0.3	361.7	1.3	-94.0	1876.6	3.1	-29.1		
719037500	719.038	719.1	1.8	-0.3	362.1	1.3	-93.9	1878.1	3.1	-29.4		
719043750	719.044	719.1	1.8	-0.3	362.6	1.3	-95.1	1879.5	3.1	-36.9		
719050000	719.050	719.1	1.8	-0.3	363.0	1.3	-94.2	1880.9	3.1	-16.4		
719056250	719.056	719.1	1.8	-0.3	363.4	1.3	-97.7	1882.3	3.1	-26.4		
719062500	719.063	719.1	1.8	-0.3	363.9	1.3	-103.6	1883.8	3.1	-32.5		
719068750	719.069	719.1	1.8	-0.3	364.3	1.3	-96.1	1885.2	3.1	-31.7		
719075000	719.075	719.2	1.8	-0.3	364.7	1.3	-96.0	1886.6	3.1	-31.7		
719081250	719.081	719.2	1.8	-0.3	365.2	1.3	-95.0	1888.0	3.1	-29.8		
719087500	719.088	719.2	1.9	-0.3	365.6	1.3	-97.8	1889.5	3.1	-31.1		
719093750	719.094	719.2	1.9	-0.3	366.1	1.3	-102.2	1890.9	3.1	-34.3		
719100000	719.100	719.2	1.8	-0.3	366.5	1.3	-105.1	1892.3	3.1	-26.8		
719106250	719.106	719.2	1.8	-0.3	366.9	1.3	-108.7	1893.7	3.1	-25.8		
719112500	719.113	719.2	1.8	-0.3	367.4	1.3	-110.2	1895.2	3.1	-27.5		
719118750	719.119	719.3	1.8	-0.3	367.8	1.3	-104.2	1896.6	3.1	-20.8		
719125000	719.125	719.3	1.8	-0.3	368.2	1.3	-103.8	1898.0	3.1	-68.4		
719131250	719.131	719.3	1.8	-0.3	368.7	1.3	-97.9	1899.4	3.1	-43.3		
719137500	719.138	719.3	1.8	-0.3	369.1	1.3	-97.5	1900.9	3.1	-40.0		
719143750	719.144	719.3	1.8	-0.3	369.5	1.3	-94.6	1902.3	3.1	-43.5		
719150000	719.150	719.3	1.9	-0.3	370.0	1.3	-102.5	1903.7	3.1	-46.5		
719156250	719.156	719.3	1.8	-0.3	370.4	1.4	-95.9	1905.1	3.1	-34.3		
719162500	719.163	719.3	1.9	-0.3	370.9	1.4	-93.4	1906.6	3.1	-39.3		
719168750	719.169	719.3	1.8	-0.3	371.3	1.4	-95.7	1908.0	3.1	-51.1		
719175000	719.175	719.4	1.8	-0.3	371.7	1.4	-112.7	1909.4	3.1	-36.7		
719181250	719.181	719.4	1.9	-0.3	372.2	1.4	-100.3	1910.8	3.1	-32.9		
719187500	719.188	719.4	1.8	-0.3	372.6	1.4	-96.8	1912.3	3.1	-52.5		
719193750	719.194	719.4	1.8	-0.3	373.0	1.4	-101.6	1913.7	3.1	-44.4		
719200000	719.200	719.4	1.8	-0.3	373.5	1.4	-88.7	1915.1	3.1	-46.3		
719206250	719.206	719.4	1.8	-0.3	373.9	1.4	-95.9	1916.5	3.1	-44.2		
719212500	719.213	719.4	1.8	-0.3	374.4	1.4	-93.8	1918.0	3.1	-25.7		
719218750	719.219	719.4	1.8	-0.3	374.8	1.4	-97.4	1919.4	3.1	-30.9		
719225000	719.225	719.5	1.8	-0.3	375.2	1.4	-98.8	1920.8	3.1	-41.9		
719231250	719.231	719.5	1.8	-0.3	375.7	1.4	-88.2	1922.2	3.1	-49.2		
719237500	719.238	719.5	1.8	-0.3	376.1	1.4	-109.9	1923.7	3.1	-19.5		
719243750	719.244	719.5	1.8	-0.3	376.5	1.4	-102.4	1925.1	3.1	-21.2		
719250000	719.250	719.5	1.8	-0.3	377.0	1.4	-100.5	1926.5	3.1	-13.3		
719256250	719.256	719.5	1.8	-0.3	377.4	1.4	-95.0	1928.0	3.1	-11.0		
719262500	719.263	719.5	1.8	-0.3	377.8	1.4	-97.0	1929.4	3.1	-21.6		
719268750	719.269	719.5	1.8	-0.3	378.3	1.4	-105.2	1930.8	3.1	-42.0		
719275000	719.275	719.6	1.8	-0.3	378.7	1.4	-101.6	1932.2	3.1	-37.9		
719281250	719.281	719.6	1.8	-0.3	379.2	1.4	-95.8	1933.7	3.1	-33.6		
719287500	719.288	719.6	1.9	-0.3	379.6	1.4	-110.0	1935.1	3.1	-44.8		
719293750	719.294	719.6	1.9	-0.3	380.0	1.4	-97.6	1936.5	3.1	-27.8		
719300000	719.300	719.6	1.9	-0.3	380.5	1.4	-106.2	1937.9	3.1	-31.2		
719306250	719.306	719.6	1.9	-0.3	380.9	1.4	-96.0	1939.4	3.1	-47.3		
719312500	719.313	719.6	1.9	-0.3	381.3	1.4	-95.3	1940.8	3.1	-47.6		
719318750	719.319	719.6	1.9	-0.3	381.8	1.4	-98.7	1942.2	3.1	-38.5		
719325000	719.325	719.7	1.9	-0.3	382.2	1.4	-95.0	1943.6	3.1	-16.7		
719331250	719.331	719.7	1.9	-0.3	382.7	1.4	-97.1	1945.1	3.1	-18.9		
719337500	719.338	719.7	1.9	-0.3	383.1	1.4	-100.7	1946.5	3.1	-28.9		
719343750	719.344	719.7	1.9	-0.3	383.5	1.4	-96.4	1947.9	3.1	-23.8		
719350000	719.350	719.7	1.8	-0.3	384.0	1.4	-111.1	1949.3	3.1	-12.9		
719356250	719.356	719.7	1.8	-0.3	384.4	1.4	-94.2	1950.8	3.1	-26.8		
719362500	719.363	719.7	1.8	-0.3	384.8	1.4	-102.7	1952.2	3.1	-32.1		
719368750	719.369	719.7	1.8	-0.3	385.3	1.4	-101.3	1953.6	3.1	-17.7		
719375000	719.375	719.8	1.9	-0.3	385.7	1.4	-89.3	1955.0	3.1	-28.3		
719381250	719.381	719.8	1.9	-0.3	386.1	1.4	-93.6	1956.5	3.1	-29.2		
719387500	719.388	719.8	1.9	-0.3	386.6	1.4	-99.1	1957.9	3.1	-27.4		
719393750	719.394	719.8	1.9	-0.3	387.0	1.4	-90.4	1959.3	3.1	-26.7		
719400000	719.400	719.8	1.8	-0.3	387.5	1.4	-98.4	1960.7	3.1	-24.4		
719406250	719.406	719.8	1.8	-0.3	387.9	1.4	-96.7	1962.2	3.1	-19.5		
719412500	719.413	719.8	1.8	-0.3	388.3	1.4	-101.1	1963.6	3.1	-23.9		
719418750	719.419	719.8	1.9	-0.3	388.8	1.4	-98.7	1965.0	3.1	-31.8		
719425000	719.425	719.9	1.8	-0.3	389.2	1.4	-107.4	1966.4	3.1	-34.2		
719431250	719.431	719.9	1.8	-0.3	389.6	1.4	-95.6	1967.9	3.1	-35.9		
719437500	719.438	719.9	1.8	-0.3	390.1	1.4	-100.4	1969.3	3.1	-45.6		
719443750	719.444	719.9	1.8	-0.3	390.5	1.4	-103.9	1970.7	3.1	-27.4		
719450000	719.450	719.9	1.9	-0.3	391.0	1.4	-109.4	1972.1	3.1	-32.2		
719456250	719.456	719.9	1.9	-0.3	391.4	1.4	-101.1	1973.6	3.1	-32.7		
719462500	719.463	719.9	1.9	-0.3	391.8	1.4	-105.9	1975.0	3.1	-27.5		
719468750	719.469	719.9	1.9	-0.3	392.3	1.4	-102.6	1976.4	3.1	-60.6		
719475000	719.475	720.0	1.9	-0.3	392.7	1.4

| | max=>
min=> | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Frequency Hz | Frequency MHz | Freq MHz | Cable loss dB | | Dielectric S21 | Freq MHz | Cable loss dB | | s21 Dielectric dB | Freq MHz | Cable loss dB | | s21 Dielectric dB |
| 719500000 | 719.500 | 720.0 | 1.8 | -0.3 | | 394.5 | 1.4 | -97.1 | | 1983.6 | 3.1 | -44.0 |
| 719506250 | 719.506 | 720.0 | 1.9 | -0.3 | | 394.9 | 1.4 | -90.6 | | 1985.0 | 3.1 | -44.2 |
| 719512500 | 719.513 | 720.0 | 1.9 | -0.3 | | 395.3 | 1.4 | -94.8 | | 1986.4 | 3.1 | -40.6 |
| 719518750 | 719.519 | 720.0 | 1.8 | -0.3 | | 395.8 | 1.4 | -94.2 | | 1987.8 | 3.1 | -51.1 |
| 719525000 | 719.525 | 720.1 | 1.8 | -0.3 | | 396.2 | 1.4 | -99.9 | | 1989.3 | 3.1 | -35.5 |
| 719531250 | 719.531 | 720.1 | 1.8 | -0.3 | | 396.6 | 1.4 | -104.9 | | 1990.7 | 3.1 | -32.2 |
| 719537500 | 719.538 | 720.1 | 1.8 | -0.3 | | 397.1 | 1.4 | -97.1 | | 1992.1 | 3.1 | -44.3 |
| 719543750 | 719.544 | 720.1 | 1.9 | -0.3 | | 397.5 | 1.4 | -105.8 | | 1993.5 | 3.1 | -59.4 |
| 719550000 | 719.550 | 720.1 | 1.8 | -0.3 | | 397.9 | 1.4 | -94.1 | | 1995.0 | 3.1 | -67.6 |
| 719556250 | 719.556 | 720.2 | 1.9 | -0.3 | | 398.4 | 1.4 | -91.2 | | 1996.4 | 3.1 | -63.6 |
| 719562500 | 719.563 | 720.1 | 1.8 | -0.3 | | 398.8 | 1.4 | -92.4 | | 1997.8 | 3.1 | -55.0 |
| 719568750 | 719.569 | 720.1 | 1.9 | -0.3 | | 399.3 | 1.4 | -94.3 | | 1999.2 | 3.1 | -68.9 |
| 719575000 | 719.575 | 720.2 | 1.9 | -0.3 | | 399.7 | 1.4 | -89.5 | | 2000.7 | 3.2 | -51.5 |
| 719581250 | 719.581 | 720.2 | 1.9 | -0.3 | | 400.1 | 1.4 | -97.6 | | 2002.1 | 3.2 | -54.0 |
| 719587500 | 719.588 | 720.2 | 1.9 | -0.3 | | 400.6 | 1.4 | -97.5 | | 2003.5 | 3.2 | -59.0 |
| 719593750 | 719.594 | 720.2 | 1.9 | -0.3 | | 401.0 | 1.4 | -92.4 | | 2004.9 | 3.2 | -56.9 |
| 719600000 | 719.600 | 720.2 | 1.9 | -0.3 | | 401.4 | 1.4 | -107.3 | | 2006.4 | 3.2 | -37.4 |
| 719606250 | 719.606 | 720.2 | 1.9 | -0.3 | | 401.9 | 1.4 | -99.2 | | 2007.8 | 3.2 | -47.5 |
| 719612500 | 719.613 | 720.2 | 1.9 | -0.3 | | 402.3 | 1.4 | -103.2 | | 2009.2 | 3.2 | -51.6 |
| 719618750 | 719.619 | 720.2 | 1.9 | -0.3 | | 402.8 | 1.4 | -101.0 | | 2010.6 | 3.2 | -52.7 |
| 719625000 | 719.625 | 720.3 | 1.9 | -0.3 | | 403.2 | 1.4 | -99.7 | | 2012.1 | 3.2 | -50.3 |
| 719631250 | 719.631 | 720.3 | 1.9 | -0.3 | | 403.6 | 1.4 | -120.1 | | 2013.5 | 3.2 | -36.7 |
| 719637500 | 719.638 | 720.3 | 1.9 | -0.3 | | 404.1 | 1.4 | -98.9 | | 2014.9 | 3.2 | -43.6 |
| 719643750 | 719.644 | 720.3 | 1.9 | -0.3 | | 404.5 | 1.4 | -101.3 | | 2016.3 | 3.2 | -54.9 |
| 719650000 | 719.650 | 720.3 | 1.9 | -0.3 | | 404.9 | 1.4 | -99.1 | | 2017.8 | 3.2 | -58.7 |
| 719656250 | 719.656 | 720.3 | 1.9 | -0.3 | | 405.4 | 1.4 | -102.1 | | 2019.2 | 3.2 | -43.7 |
| 719662500 | 719.663 | 720.3 | 1.9 | -0.3 | | 405.8 | 1.4 | -96.0 | | 2020.6 | 3.2 | -41.0 |
| 719668750 | 719.669 | 720.3 | 1.9 | -0.3 | | 406.2 | 1.4 | -97.6 | | 2022.0 | 3.2 | -50.9 |
| 719675000 | 719.675 | 720.4 | 1.9 | -0.3 | | 406.7 | 1.4 | -97.7 | | 2023.5 | 3.2 | -35.1 |
| 719681250 | 719.681 | 720.4 | 1.9 | -0.3 | | 407.1 | 1.4 | -98.8 | | 2024.9 | 3.2 | -24.7 |
| 719687500 | 719.688 | 720.4 | 1.9 | -0.3 | | 407.6 | 1.4 | -93.1 | | 2026.3 | 3.2 | -18.3 |
| 719693750 | 719.694 | 720.4 | 1.9 | -0.3 | | 408.0 | 1.4 | -104.3 | | 2027.7 | 3.2 | -24.5 |
| 719700000 | 719.700 | 720.4 | 1.8 | -0.3 | | 408.4 | 1.4 | -96.9 | | 2029.2 | 3.2 | -16.7 |
| 719706250 | 719.706 | 720.4 | 1.9 | -0.3 | | 408.9 | 1.4 | -92.8 | | 2030.6 | 3.2 | -15.0 |
| 719712500 | 719.713 | 720.4 | 1.9 | -0.3 | | 409.3 | 1.4 | -103.5 | | 2032.0 | 3.2 | -28.3 |
| 719718750 | 719.719 | 720.4 | 1.8 | -0.4 | | 409.7 | 1.4 | -101.6 | | 2033.4 | 3.2 | -17.2 |
| 719725000 | 719.725 | 720.5 | 1.8 | -0.4 | | 410.2 | 1.4 | -98.0 | | 2034.9 | 3.2 | -18.2 |
| 719731250 | 719.731 | 720.5 | 1.9 | -0.4 | | 410.6 | 1.4 | -96.2 | | 2036.3 | 3.2 | -16.1 |
| 719737500 | 719.738 | 720.5 | 1.9 | -0.4 | | 411.1 | 1.4 | -100.4 | | 2037.7 | 3.2 | -18.5 |
| 719743750 | 719.744 | 720.5 | 1.9 | -0.4 | | 411.5 | 1.4 | -96.2 | | 2039.1 | 3.2 | -19.7 |
| 719750000 | 719.750 | 720.5 | 1.9 | -0.4 | | 411.9 | 1.4 | -91.0 | | 2040.6 | 3.2 | -23.5 |
| 719756250 | 719.756 | 720.5 | 1.9 | -0.4 | | 412.4 | 1.4 | -89.8 | | 2042.0 | 3.2 | -16.3 |
| 719762500 | 719.763 | 720.6 | 1.9 | -0.4 | | 412.8 | 1.4 | -97.2 | | 2043.4 | 3.2 | -13.5 |
| 719768750 | 719.769 | 720.5 | 1.9 | -0.4 | | 413.2 | 1.4 | -101.5 | | 2044.9 | 3.2 | -14.4 |
| 719775000 | 719.775 | 720.6 | 1.9 | -0.4 | | 413.7 | 1.4 | -101.5 | | 2046.3 | 3.2 | -18.6 |
| 719781250 | 719.781 | 720.6 | 1.9 | -0.4 | | 414.1 | 1.4 | -101.8 | | 2047.7 | 3.2 | -20.4 |
| 719787500 | 719.788 | 720.6 | 1.9 | -0.4 | | 414.5 | 1.4 | -109.7 | | 2049.1 | 3.2 | -21.9 |
| 719793750 | 719.794 | 720.6 | 1.9 | -0.4 | | 415.0 | 1.4 | -103.5 | | 2050.6 | 3.2 | -27.9 |
| 719800000 | 719.800 | 720.6 | 1.9 | -0.4 | | 415.4 | 1.4 | -101.0 | | 2052.0 | 3.2 | -30.8 |
| 719806250 | 719.806 | 720.6 | 1.9 | -0.4 | | 415.9 | 1.4 | -96.5 | | 2053.4 | 3.2 | -14.7 |
| 719812500 | 719.813 | 720.6 | 1.9 | -0.4 | | 416.3 | 1.4 | -100.5 | | 2054.8 | 3.2 | -25.3 |
| 719818750 | 719.819 | 720.6 | 1.9 | -0.4 | | 416.7 | 1.4 | -125.2 | | 2056.3 | 3.2 | -22.4 |
| 719825000 | 719.825 | 720.7 | 1.9 | -0.4 | | 417.2 | 1.4 | -98.2 | | 2057.7 | 3.2 | -16.5 |
| 719831250 | 719.831 | 720.7 | 1.9 | -0.4 | | 417.6 | 1.4 | -98.4 | | 2059.1 | 3.2 | -13.4 |
| 719837500 | 719.838 | 720.7 | 1.9 | -0.4 | | 418.0 | 1.4 | -103.9 | | 2060.5 | 3.2 | -21.7 |
| 719843750 | 719.844 | 720.7 | 1.9 | -0.4 | | 418.5 | 1.4 | -89.6 | | 2062.0 | 3.2 | -28.6 |
| 719850000 | 719.850 | 720.7 | 1.9 | -0.4 | | 418.9 | 1.4 | -104.1 | | 2063.4 | 3.2 | -33.3 |
| 719856250 | 719.856 | 720.7 | 1.9 | -0.4 | | 419.4 | 1.4 | -92.4 | | 2064.8 | 3.2 | -36.9 |
| 719862500 | 719.863 | 720.7 | 1.9 | -0.4 | | 419.8 | 1.4 | -98.8 | | 2066.2 | 3.2 | -39.8 |
| 719868750 | 719.869 | 720.7 | 1.9 | -0.4 | | 420.2 | 1.4 | -116.0 | | 2067.7 | 3.2 | -41.9 |
| 719875000 | 719.875 | 720.8 | 1.8 | -0.4 | | 420.7 | 1.4 | -92.7 | | 2069.1 | 3.2 | -43.1 |
| 719881250 | 719.881 | 720.8 | 1.9 | -0.4 | | 421.1 | 1.4 | -91.7 | | 2070.5 | 3.2 | -53.2 |
| 719887500 | 719.888 | 720.8 | 1.9 | -0.4 | | 421.5 | 1.4 | -105.8 | | 2071.9 | 3.2 | -52.2 |
| 719893750 | 719.894 | 720.8 | 1.9 | -0.4 | | 422.0 | 1.4 | -94.1 | | 2073.4 | 3.2 | -43.3 |
| 719900000 | 719.900 | 720.8 | 1.9 | -0.4 | | 422.4 | 1.4 | -104.9 | | 2074.8 | 3.2 | -27.0 |
| 719906250 | 719.906 | 720.8 | 1.8 | -0.4 | | 422.8 | 1.4 | -102.4 | | 2076.2 | 3.2 | -27.2 |
| 719912500 | 719.913 | 720.8 | 1.9 | -0.4 | | 423.3 | 1.4 | -96.7 | | 2077.6 | 3.2 | -40.2 |
| 719918750 | 719.919 | 720.8 | 1.9 | -0.4 | | 423.7 | 1.4 | -93.2 | | 2079.1 | 3.2 | -45.3 |
| 719925000 | 719.925 | 720.9 | 1.9 | -0.4 | | 424.2 | 1.4 | -99.8 | | 2080.5 | 3.2 | -48.4 |
| 719931250 | 719.931 | 720.9 | 1.9 | -0.4 | | 424.6 | 1.4 | -98.4 | | 2081.9 | 3.2 | -52.1 |
| 719937500 | 719.938 | 720.9 | 1.9 | -0.4 | | 425.0 | 1.4 | -105.8 | | 2083.3 | 3.2 | -63.4 |
| 719943750 | 719.944 | 720.9 | 1.9 | -0.4 | | 425.5 | 1.4 | -109.7 | | 2084.8 | 3.2 | -34.2 |
| 719950000 | 719.950 | 720.9 | 1.9 | -0.4 | | 425.9 | 1.4 | -110.3 | | 2086.2 | 3.2 | -40.7 |
| 719956250 | 719.956 | 720.9 | 1.8 | -0.4 | | 426.3 | 1.5 | -104.1 | | 2087.6 | 3.2 | -41.9 |
| 719962500 | 719.963 | 720.9 | 1.9 | -0.4 | | 426.8 | 1.5 | -104.8 | | 2089.0 | 3.2 | -41.4 |
| 719968750 | 719.969 | 720.9 | 1.9 | -0.4 | | 427.2 | 1.5 | -96.5 | | 2090.5 | 3.2 | -39.8 |
| 719975000 | 719.975 | 721.0 | 1.9 | -0.4 | | 427.7 | 1.5 | -100.6 | | 2091.9 | 3.2 | -37.4 |
| 719981250 | 719.981 | 721.0 | 1.9 | -0.4 | | 428.1 | 1.5 | -113.9 | | 2093.3 | 3.2 | -35.2 |
| 719987500 | 719.988 | 721.0 | 1.9 | -0.4 | | 428.5 | 1.5 | -99.6 | | 2094.7 | 3.2 | -39.0 |
| 719993750 | 719.994 | 721.0 | 1.9 | -0.4 | | 429.0 | 1.5 | -92.6 | | 2096.2 | 3.2 | -44.7 |
| 720000000 | 720.000 | 721.0 | 1.9 | -0.5 | | 429.4 | 1.5 | -92.0 | | 2097.6 | 3.2 | -49.5 |
| 720006250 | 720.006 | 721.0 | 1.9 | -0.5 | | 429.8 | 1.5 | -98.9 | | 2099.0 | 3.2 | -55.8 |
| 720012500 | 720.013 | 721.0 | 1.9 | -0.5 | | 430.3 | 1.5 | -100.3 | | 2100.5 | 3.2 | -64.3 |
| 720018750 | 720.019 | 721.0 | 1.9 | -0.5 | | 430.7 | 1.5 | -98.6 | | 2101.9 | 3.2 | -59.4 |
| 720025000 | 720.025 | 721.1 | 1.9 | -0.5 | | 431.1 | 1.5 | -89.9 | | 2103.3 | 3.2 | -55.8 |
| 720031250 | 720.031 | 721.1 | 1.9 | -0.5 | | 431.6 | 1.5 | -90.3 | | 2104.7 | 3.2 | -52.5 |
| 720037500 | 720.038 | 721.0 | 1.9 | -0.5 | | 432.0 | 1.5 | -88.0 | | 2106.2 | 3.2 | -45.4 |
| 720043750 | 720.044 | 721.1 | 1.8 | -0.5 | | 432.5 | 1.5 | -96.9 | | 2107.6 | 3.2 | -63.5 |
| 720050000 | 720.050 | 721.1 | 1.9 | -0.5 | | 432.9 | 1.5 | -93.9 | | 2109.0 | 3.2 | -63.1 |
| 720056250 | 720.056 | 721.1 | 1.9 | -0.5 | | 433.3 | 1.5 | -89.0 | | 2110.4 | 3.2 | -62.7 |
| 720062500 | 720.063 | 721.1 | 1.9 | -0.5 | | 433.8 | 1.5 | -89.8 | | 2111.9 | 3.2 | -79.8 |
| 720068750 | 720.069 | 721.1 | 1.9 | -0.5 | | 434.2 | 1.5 | -100.5 | | 2113.3 | 3.2 | -53.4 |
| 720075000 | 720.075 | 721.2 | 1.9 | -0.5 | | 434.6 | 1.5 | -96.3 | | 2114.7 | 3.2 | -42.9 |
| 720081250 | 720.081 | 721.2 | 1.9 | -0.5 | | 435.1 | 1.5 | -100.4 | | 2116.1 | 3.2 | -23.7 |
| 720087500 | 720.088 | 721.2 | 1.9 | -0.5 | | 435.5 | 1.5 | -99.6 | | 2117.6 | 3.2 | -23.8 |
| 720093750 | 720.094 | 721.2 | 1.9 | -0.5 | | 436.0 | 1.5 | -92.8 | | 2119.0 | 3.2 | -29.1 |
| 720100000 | 720.100 | 721.2 | 1.9 | -0.5 | | 436.4 | 1.5 | -103.1 | | 2120.4 | 3.2 | -28.1 |
| 720106250 | 720.106 | 721.2 | 1.9 | -0.5 | | 436.8 | 1.5 | -108.6 | | 2121.8 | 3.2 | -23.1 |
| 720112500 | 720.113 | 721.2 | 1.9 | -0.5 | | 437.3 | 1.5 | -93.8 | | 2123.3 | 3.2 | -14.0 |
| 720118750 | 720.119 | 721.2 | 1.9 | -0.6 | | 437.7 | 1.5 | -101.2 | | 2124.7 | 3.2 | -9.1 |
| 720125000 | 720.125 | 721.3 | 1.9 | -0.6 | | 438.1 | 1.5 | -101.3 | | 2126.1 | 3.2 | -21.7 |
| 720131250 | 720.131 | 721.3 | 1.9 | -0.6 | | 438.6 | 1.5 | -100.1 | | 2127.5 | 3.2 | -15.4 |
| 720137500 | 720.138 | 721.3 | 1.9 | -0.6 | | 439.0 | 1.5 | -99.3 | | 2129.0 | 3.3 | -8.7 |
| 720143750 | 720.144 | 721.3 | 1.9 | -0.6 | | 439.4 | 1.5 | -103.7 | | 2130.4 | 3.3 | -8.9 |
| 720150000 | 720.150 | 721.3 | 1.8 | -0.6 | | 439.9 | 1.5 | -108.1 | | 2131.8 | 3.3 | -15.3 |
| 720156250 | 720.156 | 721.3 | 1.8 | -0.6 | | 440.3 | 1.5 | -104.2 | | 2133.2 | 3.3 | -19.3 |
| 720162500 | 720.163 | 721.3 | 1.9 | -0.6 | | 440.8 | 1.5 | -104.9 | | 2134.7 | 3.3 | -24.3 |
| 720168750 | 720.169 | 721.3 | 1.9 | -0.6 | | 441.2 | 1.5 | -104.8 | | 2136.1 | 3.3 | -24.5 |
| 720175000 | 720.175 | 721.4 | 1.8 | -0.6 | | 441.6 | 1.5 | -109.9 | | 2137.5 | 3.3 | -15.3 |
| 720181250 | 720.181 | 721.4 | 1.9 | -0.7 | | 442.1 | 1.5 | -106.9 | | 2138.9 | 3.3 | -25.3 |

[N right artiga]=[250ssttLMR400]=[female thru]=[250ssttLMR400]=[N right angle]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		10:40:01		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
10000000		3010000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
1660000000	-2.8893
1661875000	-2.8919
1663750000	-2.8935
1665625000	-2.8956
1667500000	-2.897
1669375000	-2.897
1671250000	-2.8968
1673125000	-2.8994
1675000000	-2.9047
1676875000	-2.9098
1678750000	-2.9125
1680625000	-2.9144
1682500000	-2.9165
1684375000	-2.9175
1686250000	-2.9166
1688125000	-2.9158
1690000000	-2.9176
1691875000	-2.9213
1693750000	-2.9245
1695625000	-2.926
1697500000	-2.9275
1699375000	-2.9289
1701250000	-2.9287
1703125000	-2.9267
1705000000	-2.9253
1706875000	-2.9271
1708750000	-2.9306
1710625000	-2.9331
1712500000	-2.9343
1714375000	-2.9353
1716250000	-2.9368
1718125000	-2.937
1720000000	-2.9359
1721875000	-2.9352
1723750000	-2.9373
1725625000	-2.941
1727500000	-2.9443
1729375000	-2.9464
1731250000	-2.9481
1733125000	-2.9497
1735000000	-2.9496
1736875000	-2.9474
1738750000	-2.9462
1740625000	-2.9482
1742500000	-2.9521
1744375000	-2.9555
1746250000	-2.9575
1748125000	-2.9598
1750000000	-2.9623
1751875000	-2.9632
1753750000	-2.9625
1755625000	-2.9627
1757500000	-2.9656
1759375000	-2.9696
1761250000	-2.973
1763125000	-2.9758
1765000000	-2.9787
1766875000	-2.9809
1768750000	-2.9813
1770625000	-2.9808
1772500000	-2.9817
1774375000	-2.9849
1776250000	-2.9894
1778125000	-2.9929
1780000000	-2.9957
1781875000	-2.9983
1783750000	-3.0009
1785625000	-3.0019
1787500000	-3.0017
1789375000	-3.0022
1791250000	-3.0056
1793125000	-3.0103
1795000000	-3.0139
1796875000	-3.0157
1798750000	-3.0173
1800625000	-3.0189
1802500000	-3.0193
1804375000	-3.0179
1806250000	-3.0176
1808125000	-3.0201
1810000000	-3.0236
1811875000	-3.0252
1813750000	-3.0256
1815625000	-3.027
1817500000	-3.0287
1819375000	-3.0283
1821250000	-3.0268
1823125000	-3.0268
1825000000	-3.0291
1826875000	-3.0318
1828750000	-3.0331
1830625000	-3.0339
1832500000	-3.0347
1834375000	-3.035
1836250000	-3.0337
1838125000	-3.0319
1840000000	-3.0316
1841875000	-3.0333
1843750000	-3.0354
1845625000	-3.0361
1847500000	-3.0365
1849375000	-3.0375
1851250000	-3.0385
1853125000	-3.0375
1855000000	-3.0356
1856875000	-3.0357
1858750000	-3.0391
1860625000	-3.0431
1862500000	-3.0455
1864375000	-3.047

[N right artiga]=[250ssttLMR400]=[female thru]=[250ssttLMR400]=[N right angle]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		11:05:31		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
720000000	-1.8495
720012500	-1.851
720025000	-1.8514
720037500	-1.8471
720050000	-1.849
720062500	-1.8488
720075000	-1.8491
720087500	-1.8501
720100000	-1.8482
720112500	-1.8531
720125000	-1.844
720137500	-1.8512
720150000	-1.8538
720162500	-1.8472
720175000	-1.8523
720187500	-1.8517
720200000	-1.8551
720212500	-1.8519
720225000	-1.8538
720237500	-1.8565
720250000	-1.8528
720262500	-1.8545
720275000	-1.8564
720287500	-1.8504
720300000	-1.8537
720312500	-1.8502
720325000	-1.8485
720337500	-1.8502
720350000	-1.8535
720362500	-1.8544
720375000	-1.8532
720387500	-1.851
720400000	-1.8491
720412500	-1.8547
720425000	-1.8545
720437500	-1.8498
720450000	-1.8499
720462500	-1.852
720475000	-1.8534
720487500	-1.8527
720500000	-1.8508
720512500	-1.8505
720525000	-1.8552
720537500	-1.8523
720550000	-1.8523
720562500	-1.8519
720575000	-1.8537
720587500	-1.8511
720600000	-1.8539
720612500	-1.8549
720625000	-1.8527
720637500	-1.8519
720650000	-1.851
720662500	-1.8502
720675000	-1.852
720687500	-1.8528
720700000	-1.8515
720712500	-1.8545
720725000	-1.8523
720737500	-1.8523
720750000	-1.8485
720762500	-1.851
720775000	-1.8537
720787500	-1.8521
720800000	-1.8509
720812500	-1.8497
720825000	-1.8513
720837500	-1.8519
720850000	-1.8545
720862500	-1.8508
720875000	-1.8555
720887500	-1.8519
720900000	-1.8548
720912500	-1.8494
720925000	-1.851
720937500	-1.8537
720950000	-1.8518
720962500	-1.8526
720975000	-1.8515
720987500	-1.8543
721000000	-1.8548
721012500	-1.8507
721025000	-1.8511
721037500	-1.8508
721050000	-1.8531
721062500	-1.8518
721075000	-1.852
721087500	-1.8493
721100000	-1.8532
721112500	-1.8514
721125000	-1.8498
721137500	-1.8566
721150000	-1.8547
721162500	-1.8544
721175000	-1.8519
721187500	-1.8573
721200000	-1.8502
721212500	-1.8544
721225000	-1.8542
721237500	-1.8547
721250000	-1.8534
721262500	-1.8524
721275000	-1.8536
721287500	-1.8549
721300000	-1.8496
721312500	-1.8497
721325000	-1.8519
721337500	-1.8507
721350000	-1.8485
721362500	-1.8532

[250ssttLMR400]=[N right artiga]=[N to 3-1/8 adapter]=[mask filter input]=[patch panel]=[fine match to antenna adjustable]=[N to 3-1/8 adapter]=[N right angle]=[250ssttLMR400]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		15:14:55		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
720000000	-2.1824
720012500	-2.1852
720025000	-2.1853
720037500	-2.1802
720050000	-2.1856
720062500	-2.182
720075000	-2.184
720087500	-2.1843
720100000	-2.1833
720112500	-2.182
720125000	-2.1789
720137500	-2.1815
720150000	-2.182
720162500	-2.1798
720175000	-2.1809
720187500	-2.1801
720200000	-2.1832
720212500	-2.1799
720225000	-2.1822
720237500	-2.1855
720250000	-2.1833
720262500	-2.1837
720275000	-2.1873
720287500	-2.1856
720300000	-2.1879
720312500	-2.1847
720325000	-2.1864
720337500	-2.188
720350000	-2.1885
720362500	-2.1923
720375000	-2.1917
720387500	-2.1956
720400000	-2.1965
720412500	-2.1993
720425000	-2.2018
720437500	-2.202
720450000	-2.2063
720462500	-2.2075
720475000	-2.2106
720487500	-2.212
720500000	-2.2138
720512500	-2.2182
720525000	-2.2239
720537500	-2.2219
720550000	-2.2236
720562500	-2.2256
720575000	-2.2271
720587500	-2.2334
720600000	-2.2367
720612500	-2.2367
720625000	-2.2422
720637500	-2.2429
720650000	-2.2463
720662500	-2.2422
720675000	-2.2535
720687500	-2.2541
720700000	-2.2597
720712500	-2.2638
720725000	-2.2632
720737500	-2.2604
720750000	-2.2635
720762500	-2.2682
720775000	-2.2715
720787500	-2.2716
720800000	-2.2706
720812500	-2.2728
720825000	-2.2752
720837500	-2.2772
720850000	-2.2817
720862500	-2.279
720875000	-2.2858
720887500	-2.2865
720900000	-2.2894
720912500	-2.2855
720925000	-2.2895
720937500	-2.2953
720950000	-2.2932
720962500	-2.2984
720975000	-2.3009
720987500	-2.304
721000000	-2.3081
721012500	-2.3106
721025000	-2.3145
721037500	-2.3168
721050000	-2.3204
721062500	-2.323
721075000	-2.3283
721087500	-2.3319
721100000	-2.3412
721112500	-2.3394
721125000	-2.3487
721137500	-2.3541
721150000	-2.3615
721162500	-2.3659
721175000	-2.3722
721187500	-2.3802
721200000	-2.3847
721212500	-2.3942
721225000	-2.4005
721237500	-2.4122
721250000	-2.4191
721262500	-2.4283
721275000	-2.4315
721287500	-2.4466
721300000	-2.4542
721312500	-2.4653
721325000	-2.4744
721337500	-2.4857
721350000	-2.4936
721362500	-2.509

[250ssttLMR400]=[N right artiga]=[N to 3-1/8 adapter]=[mask filter input]=[patch panel]=[fine match to antenna adjusted]=[N to 3-1/8 adapter]=[N right angle]=[250ssttLMR400]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		16:42:18		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
720000000	-2.1797
720012500	-2.1837
720025000	-2.1835
720037500	-2.18
720050000	-2.1835
720062500	-2.1831
720075000	-2.1838
720087500	-2.1867
720100000	-2.1885
720112500	-2.1896
720125000	-2.1872
720137500	-2.1885
720150000	-2.1885
720162500	-2.1885
720175000	-2.1912
720187500	-2.1942
720200000	-2.1944
720212500	-2.1956
720225000	-2.2001
720237500	-2.2007
720250000	-2.1984
720262500	-2.1998
720275000	-2.2026
720287500	-2.2045
720300000	-2.2082
720312500	-2.2039
720325000	-2.2063
720337500	-2.2077
720350000	-2.2088
720362500	-2.211
720375000	-2.2123
720387500	-2.2108
720400000	-2.2131
720412500	-2.2166
720425000	-2.2182
720437500	-2.2167
720450000	-2.2219
720462500	-2.2215
720475000	-2.225
720487500	-2.2264
720500000	-2.2264
720512500	-2.2287
720525000	-2.2332
720537500	-2.2316
720550000	-2.2339
720562500	-2.235
720575000	-2.2377
720587500	-2.2364
720600000	-2.2395
720612500	-2.2442
720625000	-2.2462
720637500	-2.2446
720650000	-2.2464
720662500	-2.2452
720675000	-2.2468
720687500	-2.2492
720700000	-2.2508
720712500	-2.2555
720725000	-2.2532
720737500	-2.2548
720750000	-2.2531
720762500	-2.2585
720775000	-2.2633
720787500	-2.263
720800000	-2.2632
720812500	-2.2634
720825000	-2.2676
720837500	-2.2713
720850000	-2.2746
720862500	-2.2756
720875000	-2.2795
720887500	-2.2839
720900000	-2.2884
720912500	-2.2867
720925000	-2.2924
720937500	-2.2923
720950000	-2.297
720962500	-2.3001
720975000	-2.3047
720987500	-2.3085
721000000	-2.3118
721012500	-2.3147
721025000	-2.3231
721037500	-2.3283
721050000	-2.3303
721062500	-2.3336
721075000	-2.3415
721087500	-2.3445
721100000	-2.3563
721112500	-2.354
721125000	-2.3654
721137500	-2.373
721150000	-2.3783
721162500	-2.3817
721175000	-2.3913
721187500	-2.3979
721200000	-2.4027
721212500	-2.4112
721225000	-2.4163
721237500	-2.4247
721250000	-2.4313
721262500	-2.4372
721275000	-2.4438
721287500	-2.4589
721300000	-2.4629
721312500	-2.4739
721325000	-2.484
721337500	-2.4909
721350000	-2.4996
721362500	-2.5146

[250ssttLMR400]=[N right artiga]=[N to 3-1/8 adapter]=[mask filter input]=[patch panel]=[fine match to antenna adjusted]=[N to 3-1/8 adapter]=[N right

max=>
min=>

Frequency Hz	Frequency MHz	Freq MHz	Cable loss dB	Dielectric S21	Freq MHz	Cable loss dB	s21 Dielectric dB	Freq MHz	Cable loss dB	s21 Dielectric dB
720187500	720.188	721.4	1.9	-0.7	442.5	1.5	-101.5	2140.4	3.3	-25.8
720193750	720.194	721.4	1.9	-0.7	442.9	1.5	-104.1	2141.8	3.3	-36.5
720200000	720.200	721.4	1.9	-0.7	443.4	1.5	-93.8	2143.2	3.3	-49.8
720206250	720.206	721.4	1.9	-0.7	443.8	1.5	-91.1	2144.6	3.3	-59.2
720212500	720.213	721.4	1.9	-0.7	444.3	1.5	-94.2	2146.1	3.3	-93.8
720218750	720.219	721.5	1.9	-0.7	444.7	1.5	-92.1	2147.5	3.3	-83.0
720225000	720.225	721.5	1.9	-0.8	445.1	1.5	-95.2	2148.9	3.3	-92.3
720231250	720.231	721.5	1.9	-0.8	445.6	1.5	-94.7	2150.3	3.3	-102.7
720237500	720.238	721.5	1.9	-0.8	446.0	1.5	-94.3	2151.8	3.3	-88.1
720243750	720.244	721.5	1.9	-0.8	446.4	1.5	-100.7	2153.2	3.3	-94.5
720250000	720.250	721.5	1.9	-0.8	446.9	1.5	-92.7	2154.6	3.3	-83.7
720256250	720.256	721.5	1.9	-0.9	447.3	1.5	-97.2	2156.1	3.3	-69.4
720262500	720.263	721.5	1.9	-0.9	447.7	1.5	-100.4	2157.5	3.3	-79.4
720268750	720.269	721.5	1.9	-0.9	448.2	1.5	-98.8	2158.9	3.3	-90.6
720275000	720.275	721.6	1.9	-0.9	448.6	1.5	-94.7	2160.3	3.3	-98.5
720281250	720.281	721.6	1.9	-1.0	449.1	1.5	-93.7	2161.8	3.3	-97.6
720287500	720.288	721.6	1.9	-1.0	449.5	1.5	-102.6	2163.2	3.3	-95.2
720293750	720.294	721.6	1.9	-1.0	449.9	1.5	-102.9	2164.6	3.3	-88.4
720300000	720.300	721.6	1.9	-1.1	450.4	1.5	-100.3	2166.0	3.3	-88.5
720306250	720.306	721.6	1.9	-1.1	450.8	1.5	-106.6	2167.5	3.3	-78.7
720312500	720.313	721.6	1.9	-1.2	451.2	1.5	-100.4	2168.9	3.3	-86.5
720318750	720.319	721.6	1.9	-1.2	451.7	1.5	-103.4	2170.3	3.3	-78.7
720325000	720.325	721.7	1.9	-1.3	452.1	1.5	-107.1	2171.7	3.3	-79.2
720331250	720.331	721.7	1.9	-1.4	452.6	1.5	-96.3	2173.2	3.3	-81.0
720337500	720.338	721.7	1.9	-1.5	453.0	1.5	-104.3	2174.6	3.3	-51.8
720343750	720.344	721.7	1.9	-1.6	453.4	1.5	-102.9	2176.0	3.3	-66.5
720350000	720.350	721.7	1.9	-1.7	453.9	1.5	-97.8	2177.4	3.3	-46.1
720356250	720.356	721.7	1.9	-1.9	454.3	1.5	-124.1	2178.9	3.3	-41.4
720362500	720.363	721.7	1.9	-2.1	454.7	1.5	-95.8	2180.3	3.3	-40.7
720368750	720.369	721.7	1.9	-2.4	455.2	1.5	-94.5	2181.7	3.3	-63.5
720375000	720.375	721.8	1.9	-2.9	455.6	1.5	-96.7	2183.1	3.3	-64.3
720381250	720.381	721.8	1.9	-3.7	456.0	1.5	-94.4	2184.6	3.3	-58.3
720387500	720.388	721.8	1.9	-4.8	456.5	1.5	-96.5	2186.0	3.3	-66.9
720393750	720.394	721.8	1.9	-6.4	456.9	1.5	-93.5	2187.4	3.3	-47.7
720400000	720.400	721.8	1.9	-8.4	457.4	1.5	-95.7	2188.8	3.3	-48.2
720406250	720.406	721.8	1.9	-10.8	457.8	1.5	-95.7	2190.3	3.3	-31.0
720412500	720.413	721.8	1.9	-13.4	458.2	1.5	-95.6	2191.7	3.3	-23.7
720418750	720.419	721.8	1.9	-16.1	458.7	1.5	-89.9	2193.1	3.3	-15.7
720425000	720.425	721.9	1.9	-19.0	459.1	1.5	-94.0	2194.5	3.3	-13.6
720431250	720.431	721.9	1.9	-21.9	459.5	1.5	-97.3	2196.0	3.3	-19.4
720437500	720.438	721.9	1.9	-24.8	460.0	1.5	-92.7	2197.4	3.3	-32.3
720443750	720.444	721.9	1.9	-27.7	460.4	1.5	-97.4	2198.8	3.3	-48.7
720450000	720.450	721.9	1.9	-30.6	460.9	1.5	-99.1	2200.2	3.3	-68.8
720456250	720.456	721.9	1.9	-33.5	461.3	1.5	-94.1	2201.7	3.3	-51.4
720462500	720.463	721.9	1.9	-36.3	461.7	1.5	-96.1	2203.1	3.3	-39.8
720468750	720.469	721.9	1.9	-39.1	462.2	1.5	-93.9	2204.5	3.3	-27.5
720475000	720.475	722.0	1.9	-41.8	462.6	1.5	-101.2	2205.9	3.3	-23.0
720481250	720.481	722.0	1.9	-44.3	463.0	1.5	-101.1	2207.4	3.3	-39.8
720487500	720.488	722.0	1.9	-46.5	463.5	1.5	-101.1	2208.8	3.3	-52.3
720493750	720.494	722.0	1.9	-48.4	463.9	1.5	-101.4	2210.2	3.3	-64.9
720500000	720.500	722.0	1.9	-49.9	464.4	1.5	-109.5	2211.7	3.3	-74.6
720506250	720.506	722.0	1.9	-50.9	464.8	1.5	-111.6	2213.1	3.3	-66.8
720512500	720.513	722.0	1.9	-51.6	465.2	1.5	-106.5	2214.5	3.3	-64.0
720518750	720.519	722.0	1.9	-51.9	465.7	1.5	-97.2	2215.9	3.3	-41.2
720525000	720.525	722.1	1.9	-51.9	466.1	1.5	-103.2	2217.4	3.3	-22.8
720531250	720.531	722.1	1.9	-51.9	466.5	1.5	-95.4	2218.8	3.3	-11.8
720537500	720.538	722.1	1.9	-51.9	467.0	1.5	-92.7	2220.2	3.3	-23.2
720543750	720.544	722.1	1.9	-51.8	467.4	1.5	-90.3	2221.6	3.3	-46.0
720550000	720.550	722.1	1.9	-51.7	467.8	1.5	-102.2	2223.1	3.3	-35.2
720556250	720.556	722.1	1.9	-51.6	468.3	1.5	-92.4	2224.5	3.3	-34.5
720562500	720.563	722.1	1.9	-51.6	468.7	1.5	-92.2	2225.9	3.3	-39.3
720568750	720.569	722.1	1.9	-51.6	469.2	1.5	-87.7	2227.3	3.3	-43.0
720575000	720.575	722.2	1.9	-51.7	469.6	1.5	-92.5	2228.8	3.3	-45.4
720581250	720.581	722.2	1.9	-51.8	470.0	1.5	-93.7	2230.2	3.3	-50.4
720587500	720.588	722.2	1.9	-52.0	470.5	1.5	-108.4	2231.6	3.3	-60.5
720593750	720.594	722.2	1.9	-52.2	470.9	1.5	-102.0	2233.0	3.3	-60.1
720600000	720.600	722.2	1.9	-52.5	471.3	1.5	-101.5	2234.5	3.3	-46.5
720606250	720.606	722.2	1.9	-52.8	471.8	1.5	-107.6	2235.9	3.3	-43.6
720612500	720.613	722.2	1.9	-53.1	472.2	1.5	-102.3	2237.3	3.3	-45.7
720618750	720.619	722.2	1.9	-53.5	472.7	1.5	-97.6	2238.7	3.3	-33.2
720625000	720.625	722.3	1.9	-53.9	473.1	1.5	-109.9	2240.2	3.3	-20.3
720631250	720.631	722.3	1.9	-54.4	473.5	1.5	-98.4	2241.6	3.3	-22.8
720637500	720.638	722.3	1.9	-54.8	474.0	1.5	-100.4	2243.0	3.3	-27.4
720643750	720.644	722.3	1.9	-55.5	474.4	1.5	-102.8	2244.4	3.3	-36.0
720650000	720.650	722.3	1.9	-56.1	474.8	1.5	-100.5	2245.9	3.3	-40.6
720656250	720.656	722.3	1.9	-56.5	475.3	1.5	-117.9	2247.3	3.3	-56.3
720662500	720.663	722.3	1.9	-57.3	475.7	1.5	-102.6	2248.7	3.3	-19.0
720668750	720.669	722.3	1.9	-58.1	476.1	1.5	-100.8	2250.1	3.3	-19.8
720675000	720.675	722.4	1.9	-58.9	476.6	1.5	-106.7	2251.6	3.3	-24.7
720681250	720.681	722.4	1.9	-59.8	477.0	1.5	-95.5	2253.0	3.3	-53.0
720687500	720.688	722.4	1.9	-60.8	477.5	1.5	-103.2	2254.4	3.3	-40.2
720693750	720.694	722.4	1.9	-61.9	477.9	1.5	-98.4	2255.8	3.3	-55.5
720700000	720.700	722.4	1.9	-63.0	478.3	1.5	-91.9	2257.3	3.3	-65.0
720706250	720.706	722.4	1.9	-64.4	478.8	1.5	-93.8	2258.7	3.3	-57.9
720712500	720.713	722.4	1.9	-65.9	479.2	1.5	-90.5	2260.1	3.4	-49.0
720718750	720.719	722.4	1.9	-67.8	479.6	1.5	-105.0	2261.5	3.4	-47.4
720725000	720.725	722.5	1.9	-69.9	480.1	1.5	-91.7	2263.0	3.4	-36.8
720731250	720.731	722.5	1.9	-72.9	480.5	1.5	-111.6	2264.4	3.4	-32.6
720737500	720.738	722.5	1.9	-76.9	481.0	1.5	-91.7	2265.8	3.4	-31.8
720743750	720.744	722.5	1.9	-80.9	481.4	1.5	-89.6	2267.2	3.4	-31.3
720750000	720.750	722.5	1.9	-79.8	481.8	1.5	-103.2	2268.7	3.4	-32.5
720756250	720.756	722.5	1.9	-76.4	482.3	1.5	-95.2	2270.1	3.4	-19.0
720762500	720.763	722.5	1.9	-73.9	482.7	1.5	-94.0	2271.5	3.4	-18.6
720768750	720.769	722.5	1.9	-71.0	483.1	1.5	-90.9	2273.0	3.4	-22.9
720775000	720.775	722.6	1.9	-69.4	483.6	1.5	-98.3	2274.4	3.4	-18.7
720781250	720.781	722.6	1.9	-67.6	484.0	1.5	-95.3	2275.8	3.4	-14.9
720787500	720.788	722.6	1.9	-66.5	484.4	1.5	-99.0	2277.2	3.4	-31.0
720793750	720.794	722.6	1.9	-65.5	484.9	1.5	-97.7	2278.7	3.4	-26.7
720800000	720.800	722.6	1.9	-64.5	485.3	1.5	-96.0	2280.1	3.4	-40.0
720806250	720.806	722.6	1.9	-63.8	485.8	1.5	-99.3	2281.5	3.4	-37.8
720812500	720.813	722.6	1.9	-63.0	486.2	1.5	-121.4	2282.9	3.4	-61.3
720818750	720.819	722.6	1.9	-62.6	486.6	1.5	-99.9	2284.4	3.4	-54.2
720825000	720.825	722.7	1.9	-61.9	487.1	1.5	-98.9	2285.8	3.4	-41.3
720831250	720.831	722.7	1.9	-61.4	487.5	1.5	-107.8	2287.2	3.4	-52.0
720837500	720.838	722.7	1.9	-61.0	487.9	1.5	-102.3	2288.6	3.4	-64.1
720843750	720.844	722.7	1.9	-60.7	488.4	1.6	-102.2	2290.1	3.4	-66.0
720850000	720.850	722.7	1.9	-60.4	488.8	1.6	-91.3	2291.5	3.4	-73.6
720856250	720.856	722.7	1.9	-60.1	489.3	1.6	-114.1	2292.9	3.4	-79.1
720862500	720.863	722.7	1.9	-59.7	489.7	1.6	-98.5	2294.3	3.4	-58.7
720868750	720.869	722.7	1.9	-59.5	490.1	1.6	-98.8	2295.8	3.4	-82.1

[N right antija]+[250ssttLMR400]+[female thru]+[250ssttLMR400]+[N right antija]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		10:40:01		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
10000000		3010000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
1866250000	-3.0493
1868125000	-3.0512
1870000000	-3.0512
1871875000	-3.0505
1873750000	-3.0523
1875625000	-3.0565
1877500000	-3.0607
1879375000	-3.0634
1881250000	-3.0659
1883125000	-3.0688
1885000000	-3.0709
1886875000	-3.0713
1888750000	-3.0716
1890625000	-3.0741
1892500000	-3.0788
1894375000	-3.0837
1896250000	-3.0873
1898125000	-3.0902
1900000000	-3.093
1901875000	-3.0953
1903750000	-3.0965
1905625000	-3.0972
1907500000	-3.0996
1909375000	-3.1041
1911250000	-3.1087
1913125000	-3.1116
1915000000	-3.1133
1916875000	-3.115
1918750000	-3.1163
1920625000	-3.1159
1922500000	-3.1148
1924375000	-3.1156
1926250000	-3.1186
1928125000	-3.1212
1930000000	-3.1223
1931875000	-3.1232
1933750000	-3.1249
1935625000	-3.1259
1937500000	-3.1248
1939375000	-3.1231
1941250000	-3.1233
1943125000	-3.1254
1945000000	-3.1268
1946875000	-3.1272
1948750000	-3.1278
1950625000	-3.1291
1952500000	-3.1293
1954375000	-3.1272
1956250000	-3.1252
1958125000	-3.1255
1960000000	-3.1277
1961875000	-3.1295
1963750000	-3.1298
1965625000	-3.1303
1967500000	-3.1318
1969375000	-3.1323
1971250000	-3.1307
1973125000	-3.1292
1975000000	-3.1298
1976875000	-3.1327
1978750000	-3.1352
1980625000	-3.1366
1982500000	-3.1379
1984375000	-3.1395
1986250000	-3.14
1988125000	-3.1394
1990000000	-3.1397
1991875000	-3.1423
1993750000	-3.1455
1995625000	-3.1479
1997500000	-3.1494
1999375000	-3.1517
2001250000	-3.1546
2003125000	-3.1565
2005000000	-3.1572
2006875000	-3.1586
2008750000	-3.1618
2010625000	-3.1657
2012500000	-3.1689
2014375000	-3.171
2016250000	-3.1734
2018125000	-3.1759
2020000000	-3.1776
2021875000	-3.1784
2023750000	-3.1798
2025625000	-3.1835
2027500000	-3.1882
2029375000	-3.1917
2031250000	-3.1937
2033125000	-3.1957
2035000000	-3.1978
2036875000	-3.1995
2038750000	-3.1996
2040625000	-3.2001
2042500000	-3.2027
2044375000	-3.2063
2046250000	-3.2092
2048125000	-3.2113
2050000000	-3.2131
2051875000	-3.2147
2053750000	-3.2152
2055625000	-3.2148
2057500000	-3.2152
2059375000	-3.2173
2061250000	-3.2196
2063125000	-3.2208
2065000000	-3.2214
2066875000	-3.2224
2068750000	-3.2235
2070625000	-3.2233

[N right antija]+[250ssttLMR400]+[female thru]+[250ssttLMR400]+[N right antija]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		11:05:31		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
721375000	-1.8522
721387500	-1.85
721400000	-1.8514
721412500	-1.8522
721425000	-1.8527
721437500	-1.8555
721450000	-1.8517
721462500	-1.8534
721475000	-1.8534
721487500	-1.8556
721500000	-1.8546
721512500	-1.8552
721525000	-1.8567
721537500	-1.8578
721550000	-1.8516
721562500	-1.856
721575000	-1.8549
721587500	-1.8534
721600000	-1.8525
721612500	-1.8542
721625000	-1.8515
721637500	-1.8525
721650000	-1.8545
721662500	-1.8521
721675000	-1.8501
721687500	-1.8526
721700000	-1.8525
721712500	-1.8512
721725000	-1.8531
721737500	-1.8543
721750000	-1.8538
721762500	-1.8574
721775000	-1.8515
721787500	-1.8565
721800000	-1.8572
721812500	-1.8535
721825000	-1.8551
721837500	-1.8525
721850000	-1.8536
721862500	-1.8505
721875000	-1.8548
721887500	-1.8545
721900000	-1.8518
721912500	-1.8557
721925000	-1.8514
721937500	-1.8526
721950000	-1.8531
721962500	-1.8512
721975000	-1.8532
721987500	-1.8531
722000000	-1.8557
722012500	-1.8521
722025000	-1.8533
722037500	-1.852
722050000	-1.8545
722062500	-1.8545
722075000	-1.8551
722087500	-1.8546
722100000	-1.854
722112500	-1.8573
722125000	-1.8581
722137500	-1.8565
722150000	-1.8533
722162500	-1.8524
722175000	-1.8531
722187500	-1.8566
722200000	-1.857
722212500	-1.854
722225000	-1.8548
722237500	-1.8542
722250000	-1.8504
722262500	-1.8574
722275000	-1.8511
722287500	-1.8552
722300000	-1.8546
722312500	-1.8548
722325000	-1.8563
722337500	-1.8543
722350000	-1.8553
722362500	-1.8551
722375000	-1.8564
722387500	-1.8557
722400000	-1.8554
722412500	-1.8554
722425000	-1.8574
722437500	-1.8551
722450000	-1.8565
722462500	-1.8574
722475000	-1.8527
722487500	-1.857
722500000	-1.8553
722512500	-1.8563
722525000	-1.8582
722537500	-1.8561
722550000	-1.8536
722562500	-1.8549
722575000	-1.8541
722587500	-1.8559
722600000	-1.8529
722612500	-1.8553
722625000	-1.856
722637500	-1.8548
722650000	-1.8519
722662500	-1.8582
722675000	-1.8558
722687500	-1.8572
722700000	-1.8589
722712500	-1.8564
722725000	-1.8574
722737500	-1.8554

[250ssttLMR400]+[N right antija]+[N to 3-1/8 adapter]+[mask filter input]+[patch panel]+[fine match to antenna adjustment]+[N to 3-1/8 adapter]+[N right antija]+[250ssttLMR400]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		15:14:55		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
721375000	-2.5232
721387500	-2.5368
721400000	-2.5466
721412500	-2.5602
721425000	-2.5771
721437500	-2.5918
721450000	-2.6044
721462500	-2.624
721475000	-2.6433
721487500	-2.6656
721500000	-2.6871
721512500	-2.7072
721525000	-2.7348
721537500	-2.7622
721550000	-2.7878
721562500	-2.8192
721575000	-2.8557
721587500	-2.8905
721600000	-2.9318
721612500	-2.9778
721625000	-3.025
721637500	-3.0855
721650000	-3.1569
721662500	-3.2326
721675000	-3.3215
721687500	-3.4287
721700000	-3.5608
721712500	-3.7249
721725000	-3.9495
721737500	-4.2761
721750000	-4.7668
721762500	-5.5253
721775000	-6.6564
721787500	-8.2383
721800000	-10.262
721812500	-12.637
721825000	-15.25
721837500	-17.994
721850000	-20.829
721862500	-23.713
721875000	-26.606
721887500	-29.508
721900000	-32.426
721912500	-35.325
721925000	-38.183
721937500	-40.992
721950000	-43.693
721962500	-46.153
721975000	-48.4
721987500	-50.259
722000000	-51.731
722012500	-52.713
722025000	-53.434
722037500	-53.764
722050000	-53.772
722062500	-53.779
722075000	-53.755
722087500	-53.681
722100000	-53.576
722112500	-53.5
722125000	-53.5
722137500	-53.493
722150000	-53.587
722162500	-53.684
722175000	-53.85
722187500	-54.036
722200000	-54.325
722212500	-54.607
722225000	-54.926
722237500	-55.314
722250000	-55.756
722262500	-56.256
722275000	-56.68
722287500	-57.318
722300000	-57.942
722312500	-58.388
722325000	-59.187
722337500	-59.95
722350000	-60.732
722362500	-61.611
722375000	-62.66
722387500	-63.736
722400000	-64.859
722412500	-66.222
722425000	-67.807
722437500	-69.665
722450000	-71.763
722462500	-74.731
722475000	-78.752
722487500	-82.779
722500000	-81.606
722512500	-78.213
722525000	-75.784
722537500	-72.891
722550000	-71.226
722562500	-69.499
722575000	-68.348
722587500	-67.308
722600000	-66.372
722612500	-65.64
722625000	-64.902
722637500	-64.413
722650000	-63.732
722662500	-63.296
722675000	-62.873
722687500	-62.514
722700000	-62.282
722712500	-61.942
722725000	-61.603
722737500	-61.397

[250ssttLMR400]+[N right antija]+[N to 3-1/8 adapter]+[mask filter input]+[patch panel]+[fine match to antenna adjustment]+[N to 3-1/8 adapter]+[N right antija]+[250ssttLMR400]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		16:42:18		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
721375000	-2.5278
721387500	-2.5388
721400000	-2.5531
721412500	-2.5623
721425000	-2.5829
721437500	-2.5956
721450000	-2.6138
721462500	-2.6328
721475000	-2.6521
721487500	-2.676
721500000	-2.6964
721512500	-2.7202
721525000	-2.746
721537500	-2.7722
721550000	-2.799
721562500	-2.8325
721575000	-2.8651
721587500	-2.904
721600000	-2.9432
721612500	-2.9864
721625000	-3.0346
721637500	-3.096
721650000	-3.1654
721662500	-3.2392
721675000	-3.3271
721687500	-3.4336
721700000	-3.5618
721712500	-3.7254
721725000	-3.9463
721737500	-4.2684
721750000	-4.7608
721762500	-5.5268
721775000	-6.6815
721787500	-8.3001
721800000	-10.364
721812500	-12.777
721825000	-15.411
721837500	-18.169
721850000	-21.019
721862500	-23.896
721875000	-26.788
721887500	-29.694
721900000	-32.596
721912500	-35.492
721925000	-38.344
721937500	-41.147
721950000	-43.82
721962500	-46.364
721975000	-48.572
721987500	-50.43
722000000	-51.877
722012500	-52.848
722025000	-53.486
722037500	-53.805
722050000	-53.904
722062500	-53.871
722075000	-53.783
722087500	-53.729
722100000	-53.582
722112500	-53.532
722125000	-53.54
722137500	-53.501
722150000	-53.643
722162500	-53.7
722175000	-53.837
722187500	-54.067
722200000	-54.267
722212500	-54.531
722225000	-54.865
722237500	-55.247
722250000	-55.665
722262500	-56.067
722275000	-56.559
722287500	-57.12
722300000	-57.726
722312500	-58.326
722325000	-59.057
722337500	-59.786
722350000	-60.613
722362500	-61.41
722375000	-62.457
722387500	-63.477
722400000	-64.676
722412500	-66.054
722425000	-67.55
722437500	-69.441
722450000	-71.559
722462500	-74.382
722475000	-77.905
722487500	-81.927
722500000	-81.897
722512500	-78.121
722525000	-75.449
722537500	-72.454
722550000	-70.678
722562500	-69.431
722575000	-67.965
722587500	-66.834
722600000	-66.258
722612500	-65.257
722625000	-64.718
722637500	-64.295
722650000	-63.667
722662500	-63.245
722675000	-62.729
722687500	-62.269
722700000	-62.181
722712500	-61.652
722725000	-61.576
722737500	-61.283

[250ssttLMR400]+[N right antija]+[N to 3-1/8 adapter]+[mask filter input]+[patch panel]+[fine match to antenna adjustment]+[N to 3-1/8 adapter]+[N right antija]+[250ssttLMR400]

NA		FW_VERSION		FW_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		17:00:50		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
10000000		3010000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
1866250000	-20.648
1868125000	-16.388
1870000000	-17.927
1871875000	-15.292
1873750000	-12.571
1875625000	-25.678
1877500000	-35.621
1879

[N right antga]+[250ssttLMR400]+[female thru]+[250ssttLMR400]+[N right angle]

NA		FW_VERSION		FW_DATE	
HP8753ES			7.74		30-Oct-02
DATE		TIME			
4 Jun 2007			10:40:01		
CHAN		MEAS		FORMAT	
	1 S21			LOG_MAG	
CHAN_START_FREQ		CHAN_STOP_FREQ			
10000000		3010000000			
POINTS		POWER		IF_BW	
1601		0.00E+00		300	

FREQUENCY	UNITS
Hz	dB
2072500000	-3.222
2074375000	-3.2212
2076250000	-3.2223
2078125000	-3.2238
2080000000	-3.2245
2081875000	-3.2247
2083750000	-3.2256
2085625000	-3.2261
2087500000	-3.2249
2089375000	-3.223
2091250000	-3.2223
2093125000	-3.2238
2095000000	-3.2259
2096875000	-3.227
2098750000	-3.2278
2100625000	-3.2295
2102500000	-3.231
2104375000	-3.2312
2106250000	-3.2306
2108125000	-3.231
2110000000	-3.2331
2111875000	-3.2359
2113750000	-3.2384
2115625000	-3.2403
2117500000	-3.2421
2119375000	-3.2433
2121250000	-3.2438
2123125000	-3.2441
2125000000	-3.2453
2126875000	-3.2476
2128750000	-3.2502
2130625000	-3.2525
2132500000	-3.2546
2134375000	-3.2571
2136250000	-3.2595
2138125000	-3.2612
2140000000	-3.2626
2141875000	-3.2647
2143750000	-3.268
2145625000	-3.2713
2147500000	-3.2741
2149375000	-3.2763
2151250000	-3.2784
2153125000	-3.2802
2155000000	-3.2814
2156875000	-3.282
2158750000	-3.2834
2160625000	-3.2859
2162500000	-3.2883
2164375000	-3.2898
2166250000	-3.2908
2168125000	-3.2925
2170000000	-3.2942
2171875000	-3.2945
2173750000	-3.2942
2175625000	-3.2945
2177500000	-3.2962
2179375000	-3.298
2181250000	-3.2992
2183125000	-3.3004
2185000000	-3.3017
2186875000	-3.3024
2188750000	-3.3023
2190625000	-3.3024
2192500000	-3.3038
2194375000	-3.3061
2196250000	-3.3081
2198125000	-3.309
2200000000	-3.31
2201875000	-3.3113
2203750000	-3.3125
2205625000	-3.3129
2207500000	-3.3128
2209375000	-3.313
2211250000	-3.314
2213125000	-3.3147
2215000000	-3.3154
2216875000	-3.3159
2218750000	-3.3168
2220625000	-3.317
2222500000	-3.3169
2224375000	-3.3172
2226250000	-3.3186
2228125000	-3.3207
2230000000	-3.3225
2231875000	-3.3241
2233750000	-3.3258
2235625000	-3.3272
2237500000	-3.3283
2239375000	-3.3292
2241250000	-3.3305
2243125000	-3.3328
2245000000	-3.3356
2246875000	-3.3388
2248750000	-3.3415
2250625000	-3.3436
2252500000	-3.3453
2254375000	-3.3465
2256250000	-3.3471
2258125000	-3.348
2260000000	-3.3502
2261875000	-3.3532
2263750000	-3.3562
2265625000	-3.3581
2267500000	-3.3597
2269375000	-3.3619
2271250000	-3.3644
2273125000	-3.3666
2275000000	-3.3687
2276875000	-3.3712

[250ssttLMR400]+[N right antga]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustment]+[N to 3-1/8 adapter]+[N right angle]+[250ssttLMR400]

NA		FW_VERSION		FW_DATE	
HP8753ES			7.74		30-Oct-02
DATE		TIME			
4 Jun 2007			11:05:31		
CHAN		MEAS		FORMAT	
	1 S21			LOG_MAG	
CHAN_START_FREQ		CHAN_STOP_FREQ			
709000000		729000000			
POINTS		POWER		IF_BW	
1601		0.00E+00		300	

FREQUENCY	UNITS
Hz	dB
722750000	-1.8577
722762500	-1.8572
722775000	-1.8583
722787500	-1.8577
722800000	-1.8565
722812500	-1.854
722825000	-1.8565
722837500	-1.8541
722850000	-1.8548
722862500	-1.8536
722875000	-1.8534
722887500	-1.8573
722900000	-1.8552
722912500	-1.8559
722925000	-1.8558
722937500	-1.8562
722950000	-1.8539
722962500	-1.8581
722975000	-1.8563
722987500	-1.8588
723000000	-1.8576
723012500	-1.8559
723025000	-1.8564
723037500	-1.8579
723050000	-1.8553
723062500	-1.8585
723075000	-1.8591
723087500	-1.8559
723100000	-1.8583
723112500	-1.859
723125000	-1.8587
723137500	-1.8587
723150000	-1.8539
723162500	-1.8541
723175000	-1.8557
723187500	-1.8581
723200000	-1.8545
723212500	-1.8536
723225000	-1.8557
723237500	-1.8588
723250000	-1.8547
723262500	-1.8559
723275000	-1.8552
723287500	-1.8573
723300000	-1.8581
723312500	-1.8552
723325000	-1.8576
723337500	-1.8564
723350000	-1.858
723362500	-1.8576
723375000	-1.8579
723387500	-1.8592
723400000	-1.8591
723412500	-1.8578
723425000	-1.8581
723437500	-1.8569
723450000	-1.8562
723462500	-1.8554
723475000	-1.8594
723487500	-1.8557
723500000	-1.8558
723512500	-1.8593
723525000	-1.857
723537500	-1.8583
723550000	-1.8588
723562500	-1.8582
723575000	-1.8581
723587500	-1.8578
723600000	-1.8576
723612500	-1.859
723625000	-1.8595
723637500	-1.8605
723650000	-1.8575
723662500	-1.8585
723675000	-1.8561
723687500	-1.8606
723700000	-1.8583
723712500	-1.8589
723725000	-1.8609
723737500	-1.8607
723750000	-1.8562
723762500	-1.8578
723775000	-1.8599
723787500	-1.8579
723800000	-1.8602
723812500	-1.8598
723825000	-1.8575
723837500	-1.8583
723850000	-1.8592
723862500	-1.859
723875000	-1.8576
723887500	-1.8585
723900000	-1.8587
723912500	-1.8617
723925000	-1.8616
723937500	-1.8599
723950000	-1.8608
723962500	-1.8619
723975000	-1.8585
723987500	-1.8618
724000000	-1.8592
724012500	-1.8608
724025000	-1.8621
724037500	-1.8575
724050000	-1.8613
724062500	-1.8581
724075000	-1.8585
724087500	-1.8593
724100000	-1.8614
724112500	-1.8588

[N right antga]+[250ssttLMR400]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustment]+[N to 3-1/8 adapter]+[N right angle]+[250ssttLMR400]

NA		FW_VERSION		FW_DATE	
HP8753ES			7.74		30-Oct-02
DATE		TIME			
4 Jun 2007			15:14:55		
CHAN		MEAS		FORMAT	
	1 S21			LOG_MAG	
CHAN_START_FREQ		CHAN_STOP_FREQ			
709000000		729000000			
POINTS		POWER		IF_BW	
1601		0.00E+00		300	

FREQUENCY	UNITS
Hz	dB
722750000	-61.094
722762500	-60.963
722775000	-60.737
722787500	-60.546
722800000	-60.392
722812500	-60.135
722825000	-60.201
722837500	-59.948
722850000	-59.88
722862500	-59.775
722875000	-59.737
722887500	-59.692
722900000	-59.595
722912500	-59.446
722925000	-59.501
722937500	-59.539
722950000	-59.4
722962500	-59.443
722975000	-59.436
722987500	-59.318
723000000	-59.339
723012500	-59.307
723025000	-59.259
723037500	-59.324
723050000	-59.274
723062500	-59.309
723075000	-59.391
723087500	-59.407
723100000	-59.366
723112500	-59.456
723125000	-59.41
723137500	-59.508
723150000	-59.525
723162500	-59.563
723175000	-59.584
723187500	-59.76
723200000	-59.665
723212500	-59.7
723225000	-59.811
723237500	-59.89
723250000	-59.96
723262500	-59.912
723275000	-60.164
723287500	-60.137
723300000	-60.185
723312500	-60.218
723325000	-60.423
723337500	-60.328
723350000	-60.494
723362500	-60.528
723375000	-60.536
723387500	-60.614
723400000	-60.613
723412500	-60.773
723425000	-60.769
723437500	-60.94
723450000	-61.089
723462500	-61.106
723475000	-61.247
723487500	-61.335
723500000	-61.372
723512500	-61.403
723525000	-61.644
723537500	-61.668
723550000	-61.639
723562500	-61.805
723575000	-61.792
723587500	-61.997
723600000	-62.127
723612500	-62.098
723625000	-62.263
723637500	-62.279
723650000	-62.416
723662500	-62.379
723675000	-62.526
723687500	-62.559
723700000	-62.711
723712500	-62.855
723725000	-62.944
723737500	-63.032
723750000	-63.133
723762500	-63.331
723775000	-63.222
723787500	-63.423
723800000	-63.399
723812500	-63.587
723825000	-63.583
723837500	-63.72
723850000	-63.741
723862500	-64.134
723875000	-64.005
723887500	-64.1
723900000	-64.158
723912500	-64.495
723925000	-64.394
723937500	-64.571
723950000	-64.742
723962500	-64.733
723975000	-64.779
723987500	-65.173
724000000	-64.905
724012500	-65.231
724025000	-65.298
724037500	-65.316
724050000	-65.569
724062500	-65.877
724075000	-65.746
724087500	-65.627
724100000	-65.764
724112500	-65.779

[250ssttLMR400]+[N right antga]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustment]+[N to 3-1/8 adapter]+[N right angle]+[250ssttLMR400]

NA		FW_VERSION		FW_DATE	
HP8753ES			7.74		30-Oct-02
DATE		TIME			
4 Jun 2007			16:42:18		
CHAN		MEAS		FORMAT	
	1 S21			LOG_MAG	
CHAN_START_FREQ		CHAN_STOP_FREQ			
709000000		729000000			
POINTS		POWER		IF_BW	
1601		0.00E+00		300	

FREQUENCY	UNITS
Hz	dB
722750000	-61.039
722762500	-60.755
722775000	-60.647
722787500	-60.388
722800000	-60.3
722812500	-60.061
722825000	-60.114
722837500	-59.962
722850000	-59.888
722862500	-59.74
722875000	-59.61
722887500	-59.511
722900000	-59.586
722912500	-59.358
722925000	-59.495
722937500	-59.311
722950000	-59.462
722962500	-59.303
722975000	-59.293
722987500	-59.207
723000000	-59.187
723012500	-59.243
723025000	-59.283
723037500	-59.309
723050000	-59.276
723062500	-59.211
723075000	-59.224
723087500	-59.23
723100000	-59.497
723112500	-59.259
723125000	-59.345
723137500	-59.52
723150000	-59.445
723162500	-59.591
723175000	-59.48
723187500	-59.608
723200000	-59.686
723212500	-59.681
723225000	-59.717
723237500	-59.886
723250000	-59.888
723262500	-60.054
723275000	-59.978
723287500	-60.021
723300000	-60.211
723312500	-60.156
723325000	-60.321
723337500	-60.439
723350000	-60.538
723362500	-60.472
723375000	-60.679
723387500	-60.519
723400000	-60.757
723412500	-60.961
723425000	-60.892
723437500	-60.844
723450000	-60.889
723462500	-61.101
723475000	-61.211
723487500	-61.115
723500000	-61.354
723512500	-61.521
723525000	-61.669
723537500	-61.505
723550000	-61.606
723562500	-61.645
723575000	-62.071
723587500	-61.837
723600000	-62.005
723612500	-62.134
723625000	-62.317
723637500	-62.229
723650000	-62.439
723662500	-62.448
723675000	-62.691
723687500	-62.644
723700000	-62.664
723712500	-62.954
723725000	-62.895
723737500	-63.108
723750000	-63.109
723762500	-63.378
723775000	-63.191
723787500	-63.429
723800000	-63.45
723812500	-63.566
723825000	-63.701
723837500	-63.799
723850000	-64.022
723862500	-64
723875000	-63.942
723887500	-64.161
723900000	-64.313
723912500	-64.576
723925000	-64.409
723937500	-64.609
723950000	-64.857
723962500	-64.931
723975000	-64.809
723987500	-64.995
724000000	-64.904
724012500	-65.602
724025000	-65.183
724037500	-65.187
724050000	-65.25
724062500	-65.653
724075000	-65.688
724087500	-65.975
724100000	-65.673
724112500	-66.073

[250ssttLMR400]+[N right antga]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustment]+[N to 3-1/8 adapter]+[N right antga]+[250ssttLMR400]

NA		FW_VERSION		FW_DATE	
HP8753ES			7.74		30-Oct-02
DATE		TIME			
4 Jun 2007			17:00:50		
CHAN		MEAS		FORMAT	
	1 S21			LOG_MAG	
CHAN_START_FREQ		CHAN_STOP_FREQ			
10000000		3010000000			
POINTS		POWER		IF_BW	
1601		0.00E+00		300	

FREQUENCY	UNITS
Hz	dB
2072500000	-48.276
2074375000	-38.26
2076250000	-31.16
2078125000	-45.52
2080000000	-50.686
2081875000	-55.48
2083750000	-51.915
2085625000	-41.808
2087500000	-45.117
2089375000	-44.345
2091250000	-41.87
2093125000	-38.779
2095000000	-43.46
2096875000	-50.356
2098750000	-57.516
2100625000	-69.631
2102500000	-59.943
2104375000	-56.724
2106250000	-47.646
2108125000	-72.727
2110000000	-65.755
2111875000	-83
2113750000	-53.329
2115625000	-35.214
2117500000	-26.713
2119375000	-32.246
2121250000	-31.9
2123125000	-18.499
2125000000	-14.063
2126875000	-23.445
2128750000	-12.873
2130625000	-13.845
2132500000	-18.806
2134375000	-30.808
2136250000	-28.117
2138125000	-23.901
2140000000	-29.784
2141875000	-40.692
2143750000	-57.954
2145625000	-82.309
2147500000	-87.654
2149375000	-108.55
2151250000	-98.276
2153125000	-97.999
2155000000	-88.138
2156875000	-78.138
2158750000	-100.25
2160625000	-107.71
2162500000	-90.265
2164375000	-93.102
2166250000	-92.781
2168125000	-87.817
2170000000	-78.608
2171875000	-82.415
2173750000	-67.131
2175625000	-59.949
2177500000	-48.987
2179375000	-48.856
2181250000	-58.308
2183125000	-68.422
2185000000	-61.821
2186875000	-52.716
2188750000	-51.952
2190625000	-30.817
2192500000	-24.998
2194375000	-21.718
2196250000	-26.342
2198125000	-43.441
2200000000	-70.058
2201875000	-53.033
2203750000	-36.518
2205625000	-28.109
2207500000	-44.347
2209375000	-60.119
2211250000	-83.273
2213125000	-69.69
2215000000	-57.101
2216875000	-32.122
2218750000	-17.223
2220625000	-31.402
2222500000	-42.18
2224375000	-37.616
2226250000	-43.814
2228125000	-47.989
2230000000	-53.424
2231875000	-58.603
2233750000	-63.701
2235625000	-46.984
2237500000	-43.814
2239375000	-27.408
2241250000	-25.378
2243125000	-31.538
2245000000	-42.386
2246875000	-46.088
2248750000	-28.479
2250625000	-23.675
2252500000	-42.927
2254375000	-45.334
2256250000	-61.688
2258125000	-69.618
2260000000	-53.548
2261875000	-49.358
2263750000	-42.846
2265625000	-35.169
2267500000	-34.865
2269375000	-32.976
2271250000	-22.366
2273125000	-30.474
2275000000	-18.402
2276875000	-25.222

[250ssttLMR400]+[N right antga]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustment]+[N to 3-1/8 adapter]+[N right antga]+[250ssttLMR400]

NA		FW_VERSION		FW_DATE	
HP8753ES			7.74		3.76E+04
DATE		TIME			
5 Jun 2007			17:10:10		
CHAN		MEAS		FORMAT	
	1 S21			LOG_MAG	
CHAN_START_FREQ		CHAN_STOP_FREQ			
729000000		3010000000			
POINTS		POWER		IF_BW	
1601		0.00E+00		3.00E+02	

FREQUENCY	UNITS
Hz	dB
2297187500	-71.596
2298613125	-91.135
2300038750	-73.946
2301464375	-81.268
2302890000	-89.511
2304315625	-97.99
2305741250	-97.244
2307166875	-93.945
2308592500	-93.356
2310018125	-97.82
2311443750	-82.899
2312869375	-76.482
2314295000	-49.351
2315720625	-22.364
2317146250	-37.155
2318571875	-47.568
2319997500	-40.868
2321423125	-54.99
2322848750	-72.583
2324274375	-60.673
2325700000	-60.76
2327125625	-56.555
2328551250	-52.467
2329976875	-98.615
2331402500	-89.295
2332828125	-94.038
2334253750	-103.89
2335679375	-99.767
2337105000	-99.355
2338530625	-102.93
2339956250	-97.308
2341381875	-89.17
2342807500	-90.875
2344233125	-100.41
2345658750	-104.56
2347084375	-112.18
2348510000	-98.009
2349935625	-106.07
2351361250	-103.03
2352786875	-98.558
2354212500	-95.62
2355638125	-91.929
2357063750	-94.865
2358489375	-102.1
2359915000	-101.05
2361340625	-95.501
2362766250	-95.608
2364191875	-97.605
2365617500	-92.023
2367043125	-95.151
2368468750	-93.105
2369894375	-103.69
2371320000	-101.18
2372745625	-97.398
2374171250	-101.95
2375596875	-98.444
2377022500	-90.204
2378448125	-97.823
2379873750	-90.978
2381299375	-87.073
2382725000	-85.848
2384150625	-49.889
2385576250	-38.925
2387001875	-35.83
2388427500	-28.552
2389853125	-17.532
2391278750	-22.887
2392704375	-27.165
2394130000	-48.876
2395555625	-44.742
2396981250	-47.766
2398406875	-44.349
2399832500	-41.402
2401258125	-29.499
2402683750	-42.196
2404109375	-42.522
2405535000	-44.806
2406960625	-41.176
2408386250	-36.321
2409811875	-27.187
2411237500	-16.01
2412663125	-20.28
2414088750	-29.494
2415514375	-35.897
2416940000	-46.994
2418365625	-60.329
2419791250	-47.805
2421216875	-39.308
2422642500	-33.324
2424068125	-27.177
2425493750	-32.846
2426919375	-27.823
2428345000	-25.823
2429770625	-44.943
2431196250	-26.494
2432621875	-52.128
2434047500	-30.199
2435473125	-34.222
2436898750	-29.621
2438324375	-30.29
2439750000	-60.32
2441175625	-44.941
2442601250	-27.82
2444026875	-26.468
2445452500	-27.592
2446878125	-36.45
2448303750	-38.029
2449729375	-42.822
2451155000	-27.221
2452580625	-25.06

[250ssttLMR400]+[N right antga]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustment]+[N to 3-1/8 adapter]+[N right antga]+[250ssttLMR400]

NA		FW_VERSION		FW_DATE	
HP8753ES			7.74		
DATE		TIME			
5 Jun 2007			14:40:27		
CHAN		MEAS		FORMAT	
	1 S21			LOG_MAG	
CHAN_START_FREQ		CHAN_STOP_FREQ			
1.000E+07		709000000			
POINTS		POWER			
1.601E+03		0.00E+00			

FREQUENCY	UNITS
Hz	dB
4.906E+08	-102.45
4.910E+08	-95.103
4.914E+08	-98.046
4.919E+08	-100.19
4.923E+08	-95.156
4.927E+08	-109.18
4.932E+08	-104.3
4.936E+08	-103.11
4.941E+08	-97.331
4.945E+08	-96.486
4.949E+08	-93.521
4.954E+08	-95.273
4.958E+08	-106.13
4.962E+08	-109.1
4.967E+08	-97.479
4.971E+08	-104.51
4.976E+08	-106.73
4.980E+08	-96.942
4.984E+08	-107.06
4.989E+08	-111.63
4.993E+08	-104.34
4.997E+08	-114.96
5.002E+08	-105.28
5.006E+08	-104.29
5.010E+08	-105.01
5.015E+08	-104.41
5.019E+08	-104.46
5.024E+08	-107.1
5.028E+08	-96.025
5.032E+08	-100.83
5.037E+08	-91.842
5.041E+08	-99.772
5.045E+08	-93.9
5.050E+08	-100.85
5.054E+08	-96.674
5.059E+08	-108.93
5.063E+08	-99.802
5.067E+08	-95.996
5.072E+08	-96.914
5.076E+08	-96.873
5.080E+08	-101.18
5.085E+08	-97.171
5.089E+08	-101.1
5.093E+08	-95.485
5.098E+08	-106.26
5.102E+08	-118.64
5.107E+08	-103.51
5.111E+08	-112.7
5.115E+08	-107.3
5.119E+08	-104.46
5.124E+08	-102.55
5.128E+08	-100.12
5.133E+08	-99.093
5.137E+08	-101
5.142E+08	-97.6
5.146E+08	-95.665
5.150E+08	-104.7
5.155E+08	-97.045
5.159E+08	-110.83
5.163E+08	-102.35
5.168E+08	-101.28
5.172E+08	-103.7
5.176E+08	-94.552
5.181E+08	-100.78
5.185E+08	-93.8
5.190E+08	-97.317
5.194E+08	-96.289
5.198E+08	-99.205
5.203E+08	-98.578
5.207E+08	-92.714
5.211E+08	-107.11
5.216E+08	-106.45
5.220E+08	-106.81
5.225E+08	-98.796
5.229E+08	-105.9
5.233E+08	-99.371
5.238E+08	-103.88
5.242E+08	-101.17
5.246E+08	-99.171
5.251E+08	-109.25
5.255E+08	-97.225
5.259E+08	-101.69
5.264E+08	-99.069
5.268E+08	-105.18
5.273E+08	-99.977
5.277E+08	-99.223
5.281E+08	-101.21
5.286E+08	-104.2
5.290E+08	-95.662
5.294E+08	-95.2
5.299E+08	-97.487
5.303E+08	-100.92
5.308E+08	-95.391
5.312E+08	-106.02
5.316E+08	-95.524
5.321E+08	-95.421
5.325E+08	-102.13
5.329E+08	-96.506
5.334E+08	-104.73
5.338E+08	-98.968
5.343E+08	-99.011
5.347E+08	-101.71
5.351E+08	-113.38
5.356E+08	-110.95
5.360E+08	-103.15
5.364E+08	-101.04
5.369E+08	-99.763
5.373E+08	-100.39
5.377E+08	-103.87
5.382E+08	-102.42

	maxc=>	
	minc=	
Frequency	Frequency	Freq
Hz	MHz	MHz
720875000	720.875	722.8
720881250	720.881	722.8
720887500	720.888	722.8
720893750	720.894	722.8
720900000	720.900	722.8
720906250	720.906	722.8
720912500	720.913	722.8
720918750	720.919	722.8
720925000	720.925	722.9
720931250	720.931	722.9
720937500	720.938	722.9
720943750	720.944	722.9
720950000	720.950	722.9
720956250	720.956	722.9
720962500	720.963	722.9
720968750	720.969	722.9
720975000	720.975	723.0
720981250	720.981	723.0
720987500	720.988	723.0
720993750	720.994	723.0
721000000	721.000	723.0
721006250	721.006	723.0
721012500	721.013	723.0
721018750	721.019	723.0
721025000	721.025	723.1
721031250	721.031	723.1
721037500	721.038	723.1
721043750	721.044	723.1
721050000	721.050	723.1
721056250	721.056	723.1
721062500	721.063	723.1
721068750	721.069	723.1
721075000	721.075	723.2
721081250	721.081	723.2
721087500	721.088	723.2
721093750	721.094	723.2
721100000	721.100	723.2
721106250	721.106	723.2
721112500	721.113	723.2
721118750	721.119	723.2
721125000	721.125	723.3
721131250	721.131	723.3
721137500	721.138	723.3
721143750	721.144	723.3
721150000	721.150	723.3
721156250	721.156	723.3
721162500	721.163	723.3
721168750	721.169	723.3
721175000	721.175	723.4
721181250	721.181	723.4
721187500	721.188	723.4
721193750	721.194	723.4
721200000	721.200	723.4
721206250	721.206	723.4
721212500	721.213	723.4
721218750	721.219	723.4
721225000	721.225	723.5
721231250	721.231	723.5
721237500	721.238	723.5
721243750	721.244	723.5
721250000	721.250	723.5
721256250	721.256	723.5
721262500	721.263	723.5
721268750	721.269	723.5
721275000	721.275	723.6
721281250	721.281	723.6
721287500	721.288	723.6
721293750	721.294	723.6
721300000	721.300	723.6
721306250	721.306	723.6
721312500	721.313	723.6
721318750	721.319	723.6
721325000	721.325	723.7
721331250	721.331	723.7
721337500	721.338	723.7
721343750	721.344	723.7
721350000	721.350	723.7
721356250	721.356	723.7
721362500	721.363	723.7
721368750	721.369	723.7
721375000	721.375	723.8
721381250	721.381	723.8
721387500	721.388	723.8
721393750	721.394	723.8
721400000	721.400	723.8
721406250	721.406	723.8
721412500	721.413	723.8
721418750	721.419	723.

max=>
min=>

Frequency Hz	Frequency MHz	Freq MHz	Cable loss dB	Dielectric S21	Freq MHz	Cable loss dB	s21 Dielectric	Freq MHz	Cable loss dB	s21 Dielectric
721562500	721.563	724.1	1.9	-64.2	538.6	1.6	-91.6	2454.0	3.5	-45.3
721568750	721.569	724.1	1.9	-64.4	539.1	1.6	-92.8	2455.4	3.5	-37.8
721575000	721.575	724.2	1.9	-64.5	539.5	1.6	-96.7	2456.9	3.5	-28.1
721581250	721.581	724.2	1.9	-64.6	539.9	1.6	-92.3	2458.3	3.5	-11.1
721587500	721.588	724.2	1.9	-64.4	540.4	1.6	-91.3	2459.7	3.5	-10.2
721593750	721.594	724.2	1.9	-64.9	540.8	1.6	-99.7	2461.1	3.5	-24.0
721600000	721.600	724.2	1.9	-65.0	541.2	1.6	-99.9	2462.6	3.5	-25.6
721606250	721.606	724.2	1.9	-65.0	541.7	1.6	-95.5	2464.0	3.5	-21.2
721612500	721.613	724.2	1.9	-65.2	542.1	1.6	-90.2	2465.4	3.5	-46.4
721618750	721.619	724.2	1.9	-64.8	542.6	1.6	-96.9	2466.8	3.5	-48.7
721625000	721.625	724.3	1.9	-65.3	543.0	1.6	-94.4	2468.3	3.5	-52.8
721631250	721.631	724.3	1.9	-65.1	543.4	1.6	-98.7	2469.7	3.5	-47.7
721637500	721.638	724.3	1.9	-65.2	543.9	1.6	-101.4	2471.1	3.5	-43.7
721643750	721.644	724.3	1.9	-65.3	544.3	1.6	-93.7	2472.5	3.5	-52.9
721650000	721.650	724.3	1.9	-65.7	544.7	1.6	-99.3	2474.0	3.5	-60.0
721656250	721.656	724.3	1.9	-65.3	545.2	1.6	-102.0	2475.4	3.5	-70.3
721662500	721.663	724.3	1.9	-65.3	545.6	1.6	-108.1	2476.8	3.5	-55.7
721668750	721.669	724.3	1.9	-65.8	546.0	1.6	-110.0	2478.2	3.5	-49.3
721675000	721.675	724.4	1.9	-65.9	546.5	1.6	-116.5	2479.7	3.5	-58.3
721681250	721.681	724.4	1.9	-66.0	546.9	1.6	-111.0	2481.1	3.5	-60.5
721687500	721.688	724.4	1.9	-66.0	547.4	1.6	-101.4	2482.5	3.5	-67.4
721693750	721.694	724.4	1.9	-66.1	547.8	1.6	-101.5	2483.9	3.5	-82.6
721700000	721.700	724.4	1.9	-66.3	548.2	1.6	-107.4	2485.4	3.5	-83.0
721706250	721.706	724.4	1.9	-65.8	548.7	1.6	-109.7	2486.8	3.5	-91.4
721712500	721.713	724.4	1.9	-66.6	549.1	1.6	-95.1	2488.2	3.5	-81.0
721718750	721.719	724.4	1.9	-66.7	549.5	1.6	-102.0	2489.6	3.5	-52.1
721725000	721.725	724.5	1.9	-66.6	550.0	1.6	-93.6	2491.1	3.5	-54.3
721731250	721.731	724.5	1.9	-66.7	550.4	1.7	-92.1	2492.5	3.5	-68.8
721737500	721.738	724.5	1.9	-67.2	550.9	1.7	-108.9	2493.9	3.5	-64.9
721743750	721.744	724.5	1.9	-67.4	551.3	1.7	-100.0	2495.3	3.5	-42.0
721750000	721.750	724.5	1.9	-67.0	551.7	1.7	-96.6	2496.8	3.5	-33.0
721756250	721.756	724.5	1.9	-67.3	552.2	1.7	-95.4	2498.2	3.5	-24.2
721762500	721.763	724.5	1.9	-67.4	552.6	1.7	-92.6	2499.6	3.5	-19.0
721768750	721.769	724.5	1.9	-67.4	553.0	1.7	-95.7	2501.1	3.5	-27.4
721775000	721.775	724.6	1.9	-68.1	553.5	1.7	-100.5	2502.5	3.6	-34.1
721781250	721.781	724.6	1.9	-68.3	553.9	1.7	-93.0	2503.9	3.6	-33.6
721787500	721.788	724.6	1.9	-67.3	554.3	1.7	-96.6	2505.3	3.6	-28.4
721793750	721.794	724.6	1.9	-68.0	554.8	1.7	-97.4	2506.8	3.6	-24.9
721800000	721.800	724.6	1.9	-68.2	555.2	1.7	-93.3	2508.2	3.6	-27.8
721806250	721.806	724.6	1.9	-67.9	555.7	1.7	-95.2	2509.6	3.6	-33.3
721812500	721.813	724.6	1.9	-68.1	556.1	1.7	-97.3	2511.0	3.6	-40.5
721818750	721.819	724.6	1.9	-68.0	556.5	1.7	-97.6	2512.5	3.6	-47.4
721825000	721.825	724.7	1.9	-68.5	557.0	1.7	-113.2	2513.9	3.6	-53.5
721831250	721.831	724.7	1.9	-68.1	557.4	1.7	-96.9	2515.3	3.6	-59.5
721837500	721.838	724.7	1.9	-68.6	557.8	1.7	-106.2	2516.7	3.6	-66.2
721843750	721.844	724.7	1.9	-69.1	558.3	1.7	-100.6	2518.2	3.6	-85.2
721850000	721.850	724.7	1.9	-68.3	558.7	1.7	-111.7	2519.6	3.6	-78.5
721856250	721.856	724.7	1.9	-68.6	559.2	1.7	-103.3	2521.0	3.6	-73.9
721862500	721.863	724.7	1.9	-69.2	559.6	1.7	-104.9	2522.4	3.6	-70.5
721868750	721.869	724.7	1.9	-69.3	560.0	1.7	-102.8	2523.9	3.6	-69.3
721875000	721.875	724.8	1.9	-69.0	560.5	1.7	-106.3	2525.3	3.6	-72.5
721881250	721.881	724.8	1.9	-69.6	560.9	1.7	-112.2	2526.7	3.6	-64.8
721887500	721.888	724.8	1.9	-69.5	561.3	1.7	-99.9	2528.1	3.6	-55.2
721893750	721.894	724.8	1.9	-70.0	561.8	1.7	-107.4	2529.6	3.6	-52.5
721900000	721.900	724.8	1.9	-69.6	562.2	1.7	-100.0	2531.0	3.6	-79.9
721906250	721.906	724.8	1.9	-69.8	562.6	1.7	-96.0	2532.4	3.6	-92.9
721912500	721.913	724.8	1.9	-70.2	563.1	1.7	-102.6	2533.8	3.6	-69.9
721918750	721.919	724.8	1.9	-70.0	563.5	1.7	-103.0	2535.3	3.6	-70.2
721925000	721.925	724.9	1.9	-69.6	564.0	1.7	-101.5	2536.7	3.6	-79.8
721931250	721.931	724.9	1.9	-69.5	564.4	1.7	-93.7	2538.1	3.6	-90.8
721937500	721.938	724.9	1.9	-70.5	564.8	1.7	-99.9	2539.5	3.6	-92.9
721943750	721.944	724.9	1.9	-69.9	565.3	1.7	-93.9	2541.0	3.6	-82.2
721950000	721.950	724.9	1.9	-70.6	565.7	1.7	-95.9	2542.4	3.6	-93.3
721956250	721.956	724.9	1.9	-70.7	566.1	1.7	-95.7	2543.8	3.6	-98.7
721962500	721.963	724.9	1.9	-71.3	566.6	1.7	-99.1	2545.2	3.6	-79.0
721968750	721.969	724.9	1.9	-70.3	567.0	1.7	-94.6	2546.7	3.6	-77.6
721975000	721.975	725.0	1.9	-70.6	567.5	1.7	-97.3	2548.1	3.6	-86.8
721981250	721.981	725.0	1.9	-71.0	567.9	1.7	-97.8	2549.5	3.6	-85.9
721987500	721.988	725.0	1.9	-70.5	568.3	1.7	-93.1	2550.9	3.6	-90.6
721993750	721.994	725.0	1.9	-71.1	568.8	1.7	-93.4	2552.4	3.6	-98.5
722000000	722.000	725.0	1.9	-71.4	569.2	1.7	-98.3	2553.8	3.6	-88.2
722006250	722.006	725.0	1.9	-71.3	569.6	1.7	-96.3	2555.2	3.6	-91.7
722012500	722.013	725.0	1.9	-71.8	570.1	1.7	-106.0	2556.7	3.6	-88.8
722018750	722.019	725.0	1.9	-71.6	570.5	1.7	-101.5	2558.1	3.6	-92.3
722025000	722.025	725.1	1.9	-71.4	570.9	1.7	-96.8	2559.5	3.6	-74.9
722031250	722.031	725.1	1.9	-71.9	571.4	1.7	-107.7	2560.9	3.6	-59.5
722037500	722.038	725.1	1.9	-71.4	571.8	1.7	-109.7	2562.4	3.6	-60.9
722043750	722.044	725.1	1.9	-70.5	572.3	1.7	-106.4	2563.8	3.6	-65.4
722050000	722.050	725.1	1.9	-71.3	572.7	1.7	-105.0	2565.2	3.6	-64.2
722056250	722.056	725.1	1.9	-71.6	573.1	1.7	-100.5	2566.6	3.6	-60.5
722062500	722.063	725.1	1.9	-71.7	573.6	1.7	-105.6	2568.1	3.6	-75.6
722068750	722.069	725.1	1.9	-72.6	574.0	1.7	-93.9	2569.5	3.6	-70.5
722075000	722.075	725.2	1.9	-72.1	574.4	1.7	-96.4	2570.9	3.6	-64.8
722081250	722.081	725.2	1.9	-73.8	574.9	1.7	-98.0	2572.3	3.6	-58.6
722087500	722.088	725.2	1.9	-71.6	575.3	1.7	-100.8	2573.8	3.6	-49.5
722093750	722.094	725.2	1.9	-72.0	575.8	1.7	-95.5	2575.2	3.6	-31.8
722100000	722.100	725.2	1.9	-72.2	576.2	1.7	-92.2	2576.6	3.6	-42.2
722106250	722.106	725.2	1.9	-72.2	576.6	1.7	-96.4	2578.0	3.6	-35.9
722112500	722.113	725.2	1.9	-72.8	577.1	1.7	-95.6	2579.5	3.6	-36.5
722118750	722.119	725.2	1.9	-73.8	577.5	1.7	-92.1	2580.9	3.6	-45.9
722125000	722.125	725.3	1.9	-72.6	577.9	1.7	-96.1	2582.3	3.6	-70.4
722131250	722.131	725.3	1.9	-72.8	578.4	1.7	-92.3	2583.7	3.6	-51.8
722137500	722.138	725.3	1.9	-73.7	578.8	1.7	-102.5	2585.2	3.6	-31.4
722143750	722.144	725.3	1.9	-74.4	579.2	1.7	-105.1	2586.6	3.6	-33.1
722150000	722.150	725.3	1.9	-73.3	579.7	1.7	-97.7	2588.0	3.6	-37.2
722156250	722.156	725.3	1.9	-73.4	580.1	1.7	-93.0	2589.4	3.6	-21.3
722162500	722.163	725.3	1.9	-73.5	580.6	1.7	-93.9	2590.9	3.6	-26.5
722168750	722.169	725.3	1.9	-73.7	581.0	1.7	-95.9	2592.3	3.6	-27.2
722175000	722.175	725.4	1.9	-73.9	581.4	1.7	-110.5	2593.7	3.6	-22.2
722181250	722.181	725.4	1.9	-74.4	581.9	1.7	-99.6	2595.1	3.6	-27.4
722187500	722.188	725.4	1.9	-74.1	582.3	1.7	-98.2	2596.6	3.6	-38.0
722193750	722.194	725.4	1.9	-73.9	582.7	1.7	-105.0	2598.0	3.6	-42.1
722200000	722.200	725.4	1.9	-74.0	583.2	1.7	-102.3	2599.4	3.6	-43.5
722206250	722.206	725.4	1.9	-74.0	583.6	1.7	-100.7	2600.8	3.6	-42.6
722212500	722.213	725.4	1.9	-73.8	584.1	1.7	-109.1	2602.3	3.6	-32.7
722218750	722.219	725.4	1.9	-74.4	584.5	1.7	-100.6	2603.7	3.6	-50.3
722225000	722.225	725.5	1.9	-75.3	584.9	1.7	-105.4	2605.1	3.6	-63.7
722231250	722.231	725.5	1.9	-74.3	585.4	1.7	-101.5	2606.5	3.6	-76.0
722237500	722.238	725.5	1.9	-75.2	585.8	1.7	-102.7	2608.0	3.6	-84.5
722243750	722.244	725.5	1.9	-74.8	586.2	1.7	-99.7	2609.4	3.6	-85.4

[N right artiqe]->[250ctoSLMR400]->[female thru]->[250ctoSLMR400]->[N right angle]

NA		FW_VERSION	7.74	FW_DATE	30-Oct-02
HP8753ES					
DATE		TIME			
4 Jun 2007			10:40:01		
CHAN		MEAS		FORMAT	
		1 S21		LOG_MAG	
CHAN_START_FREQ		CHAN_STOP_FREQ			
10000000		3010000000			
POINTS		POWER		IF_BW	
1601		0.00E+00		300	

FREQUENCY Hz	UNITS dB
2278750000	-3.3742
2280625000	-3.3769
2282500000	-3.3793
2284375000	-3.3818
2286250000	-3.3846
2288125000	-3.3865
2290000000	-3.3876
2291875000	-3.3885
2293750000	-3.3899
2295625000	-3.3918
2297500000	-3.3936
2299375000	-3.3953
2301250000	-3.397
2303125000	-3.3984
2305000000	-3.3991
2306875000	-3.3989
2308750000	-3.3986
2310625000	-3.3993
2312500000	-3.4006
2314375000	-3.4019
2316250000	-3.4029
2318125000	-3.404
2320000000	-3.4048
2321875000	-3.4048
2323750000	-3.4041
2325625000	-3.4041
2327500000	-3.4052
2329375000	-3.4068
2331250000	-3.4079
2333125000	-3.4089
2335000000	-3.4101
2336875000	-3.4108
2338750000	-3.411
2340625000	-3.4112
2342500000	-3.412
2344375000	-3.4135
2346250000	-3.4149
2348125000	-3.416
2350000000	-3.4177
2351875000	-3.4194
2353750000	-3.4211
2355625000	-3.4226
2357500000	-3.4242
2359375000	-3.4259
2361250000	-3.4275
2363125000	-3.4294
2365000000	-3.4318
2366875000	-3.434
2368750000	-3.436

[N right artiqe]->[250ctoSLMR400]->[female thru]->[250ctoSLMR400]->[N right angle]

NA		FW_VERSION	7.74	FW_DATE	30-Oct-02
HP8753ES					
DATE		TIME			
4 Jun 2007			11:05:31		
CHAN		MEAS		FORMAT	
		1 S21		LOG_MAG	
CHAN_START_FREQ		CHAN_STOP_FREQ			
709000000		729000000			
POINTS		POWER		IF_BW	
1601		0.00E+00		300	

FREQUENCY Hz	UNITS dB
724125000	-1.86
724137500	-1.8579
724150000	-1.8573
724162500	-1.8596
724175000	-1.8598
724187500	-1.8594
724200000	-1.8593
724212500	-1.8622
724225000	-1.8593
724237500	-1.8621
724250000	-1.8608
724262500	-1.8582
724275000	-1.8627
724287500	-1.8606
724300000	-1.8621
724312500	-1.8607
724325000	-1.8593
724337500	-1.8611
724350000	-1.8615
724362500	-1.8599
724375000	-1.8595
724387500	-1.8581
724400000	-1.8577
724412500	-1.8604
724425000	-1.8599
724437500	-1.8622
724450000	-1.8589
724462500	-1.86
724475000	-1.8596
724487500	-1.8624
724500000	-1.8619
724512500	-1.8581
724525000	-1.8614
724537500	-1.8614
724550000	-1.8638
724562500	-1.8643
724575000	-1.863
724587500	-1.8599
724600000	-1.8608
724612500	-1.8637
724625000	-1.863
724637500	-1.863
724650000	-1.8607
724662500	-1.8607
724675000	-1.8615
724687500	-1.8633
724700000	-1.8598
724712500	-1.8601
724725000	-1.8607
724737500	-1.8641
724750000	-1.8606
724762500	-1.8602
724775000	-1.8612
724787500	-1.8642
724800000	-1.8592
724812500	-1.8598
724825000	-1.8603
724837500	-1.8621
724850000	-1.8614
724862500	-1.8626
724875000	-1.8611
724887500	-1.8639
724900000	-1.8626
724912500	-1.8669
724925000	-1.8644
724937500	-1.8654
724950000	-1.8594
724962500	-1.8627
724975000	-1.8645
724987500	-1.8643
725000000	-1.8611
725012500	-1.8611
725025000	-1.8633
725037500	-1.8618
725050000	-1.8627
725062500	-1.862
725075000	-1.8616
725087500	-1.8611
725100000	-1.8602
725112500	-1.8618
725125000	-1.8592
725137500	-1.862
725150000	-1.8622
725162500	-1.8641
725175000	-1.8634
725187500	-1.8628
725200000	-1.8646
725212500	-1.8645
725225000	-1.8639
725237500	-1.8674
725250000	-1.8647
725262500	-1.861
725275000	-1.8638
725287500	-1.8652
725300000	-1.8638
725312500	-1.866
725325000	-1.8632
725337500	-1.8627
725350000	-1.8622
725362500	-1.8596
725375000	-1.8621
725387500	-1.8609
725400000	-1.8584
725412500	-1.8633
725425000	-1.8621
725437500	-1.8634
725450000	-1.8619
725462500	-1.8634
725475000	-1.8622
725487500	-1.8651

[250ctoSLMR400]->[N right artiqe]->[N to 3-1/8 adapter]->[mask fiber input]->[patch panel]->[fine match to antenna adjustable]->[N to 3-1/8 adapter]->[N right artiqe]->[250ctoSLMR400]

NA		FW_VERSION	7.74	FW_DATE	30-Oct-02
HP8753ES					
DATE		TIME			
4 Jun 2007			15:14:55		
CHAN		MEAS		FORMAT	
		1 S21		LOG_MAG	
CHAN_START_FREQ		CHAN_STOP_FREQ			
709000000		729000000			
POINTS		POWER		IF_BW	
1601		0.00E+00		300	

FREQUENCY Hz	UNITS dB
724125000	-66.055
724137500	-66.271
724150000	-66.397
724162500	-66.485
724175000	-66.291
724187500	-66.716
724200000	-66.818
724212500	-66.899
724225000	-67.044
724237500	-66.64
724250000	-67.201
724262500	-66.974
724275000	-67.015
724287500	-67.147
724300000	-67.6
724312500	-67.189
724325000	-67.191
724337500	-67.668
724350000	-67.8
724362500	-67.878
724375000	-67.905
724387500	-67.999
724400000	-68.178
724412500	-67.7
724425000	-68.463
724437500	-68.589
724450000	-68.431
724462500	-68.526
724475000	-69.039
724487500	-69.235
724500000	-68.876
724512500	-69.208
724525000	-69.238
724537500	-69.218
724550000	-69.957
724562500	-70.151
724575000	-69.147
724587500	-69.894
724600000	-70.081
724612500	-69.805
724625000	-69.969
724637500	-69.884
724650000	-70.389
724662500	-69.92
724675000	-70.448
724687500	-70.927
724700000	-70.178
724712500	-70.44
724725000	-71.033
724737500	-71.437
724750000	-70.866
724762500	-71.437
724775000	-71.381
724787500	-71.898
724800000	-71.503
724812500	-71.642
724825000	-72.03
724837500	-71.852
724850000	-71.472
724862500	-71.34
724875000	-72.331
724887500	-71.731
724900000	-72.418
724912500	-72.575
724925000	-73.192
724937500	-72.152
724950000	-72.479
724962500	-72.816
724975000	-72.374
724987500	-72.968
725000000	-73.295
725012500	-73.141
725025000	-73.631
725037500	-73.44
725050000	-73.285
725062500	-73.726
725075000	-73.229
725087500	-72.38
725100000	-73.129
725112500	-73.459
725125000	-73.52
725137500	-74.413
725150000	-73.916
725162500	-75.674
725175000	-73.465
725187500	-73.86
725200000	-74.095
725212500	-74.061
725225000	-74.657
725237500	-75.691
725250000	-74.432
725262500	-74.652
725275000	-75.555
725287500	-76.246
725300000	-75.144
725312500	-75.295
725325000	-75.346
725337500	-75.575
725350000	-75.791
725362500	-76.307
725375000	-75.922
725387500	-75.733
725400000	-75.826
725412500	-75.836
725425000	-75.702
725437500	-76.256
725450000	-77.144
725462500	-76.21
725475000	-77.085
725487500	-76.617

[250ctoSLMR400]->[N right artiqe]->[N to 3-1/8 adapter]->[mask fiber input]->[patch panel]->[fine match to antenna adjusted]->[N to 3-1/8 adapter]->[N right artiqe]->[250ctoSLMR400]

NA		FW_VERSION	7.74	FW_DATE	30-Oct-02
HP8753ES					
DATE		TIME			
4 Jun 2007			16:42:18		
CHAN		MEAS		FORMAT	
		1 S21		LOG_MAG	
CHAN_START_FREQ		CHAN_STOP_FREQ			
709000000		729000000			
POINTS		POWER		IF_BW	
1601		0.00E+00		300	

FREQUENCY Hz	UNITS dB
724125000	-65.941
724137500	-66.178
724150000	-66.298
724162500	-66.417
724175000	-66.491
724187500	-66.257
724200000	-66.881
724212500	-66.853
724225000	-67.139
724237500	-66.292
724250000	-66.761
724262500	-67.544
724275000	-67.233
724287500	-66.913
724300000	-67.942
724312500	-67.441
724325000	-67.698
724337500	-67.384
724350000	-67.942
724362500	-68.169
724375000	-68.125
724387500	-67.802
724400000	-68.222
724412500	-68.717
724425000	-68.565
724437500	-68.711
724450000	-68.573
724462500	-68.716
724475000	-68.628
724487500	-69.376
724500000	-69.125
724512500	-69.683
724525000	-69.004
724537500	-68.723
724550000	-69.083
724562500	-69.165
724575000	-69.616
724587500	-69.197
724600000	-70.628
724612500	-70.055
724625000	-69.608
724637500	-70.301
724650000	-70.282
724662500	-70.611
724675000	-70.46
724687500	-70.04
724700000	-70.834
724712500	-70.461
724725000	-71.169
724737500	-71.214
724750000	-70.284
724762500	-71.752
724775000	-70.315
724787500	-71.163
724800000	-71.585
724812500	-71.277
724825000	-72.24
724837500	-71.86
724850000	-72.062
724862500	-71.172
724875000	-71.794
724887500	-72.802
724900000	-72.344
724912500	-72.24
724925000	-72.257
724937500	-72.237
724950000	-72.61
724962500	-73.225
724975000	-72.39
724987500	-73.233
725000000	-73.135
725012500	-72.904
725025000	-73.391
725037500	-74.057
725050000	-72.936
725062500	-73.809
725075000	-72.463
725087500	-73.75
725100000	-74.395
725112500	-73.935
725125000	-74.722
725137500	-74.763
725150000	-73.853
725162500	-74.243
725175000	-73.912
725187500	-74.228
725200000	-73.629
725212500	-74.795
725225000	-74.733
725237500	-74.51
725250000	-74.77
725262500	-75.43
725275000	-74.445
725287500	-74.805
725300000	-74.473
725312500	-74.822
725325000	-74.661
725337500	-74.857
725350000	-75.064
725362500	-75.228
725375000	-76.445
725387500	-75.699
725400000	-76.486
725412500	-75.488
725425000	-76.754
725437500	-76.392
725450000	-77.007
725462500	-77.664
725475000	-76.735
725487500	-77.351

[250ctoSLMR400]->[N right artiqe]->[N to 3-1/8 adapter]->[mask fiber input]->[patch panel]->[fine match to antenna adjusted]->[N to 3-1/8 adapter]->[N right artiqe]->[250ctoSLMR400]

NA		FW_VERSION	7.74	FW_DATE	30-Oct-02
HP8753ES					
DATE		TIME			
4 Jun 2007			17:00:50		
CHAN		MEAS		FORMAT	
		1 S21		LOG_MAG	
CHAN_START_FREQ		CHAN_STOP_FREQ			
10000000		3010000000			
POINTS		POWER		IF_BW	
1601		0.00E+00		300	

FREQUENCY Hz	UNITS dB
2278750000	-31.374
2280625000	-50.89
2282500000	-61.443
2284375000	-55.845
2286250000	-50.799
2288125000	-60.17
2290000000	-69.296
2291875000	-84.789
2293750000	-66.292
2295625000	-78.323
2297500000	-75.084
2299375000	-76.191
2301250000	-81.606
2303125000	-98.12
2305000000	-100.02
2306875000	-94.814
2308750000	-90.312
2310625000	-87.375
2312500000	-79.5
2314375000	-43.747
2316250000	-28.203
2318125000	-45.216
2320000000	-43.723
2321875000	-66.193
2323750000	-67.512
2325625000	-60.157
2327500000	-52.772
2329375000	-76.206
2331250000	-88.876
2333125000	-93.731
2335000000	-95.548
2336875000	-100.86
2338750000	-93.671
2340625000	-96.094
2342500000	-89.921
2344375000	-93.825
2346250000	-103.54
2348125000	-95.942
2350000000	-104.24
2351875000	-93.032
2353750000	-90.754
2355625000	-93.047
2357500000	-94.435
2359375000	-96.402
2361250000	-101.59
2363125000	-96.122
2365000000	-94.822
2366875000	-93.122
2368750000	-105.11
2370625000	-96.073
2372500000	-97.575
2374375000	-87.69
2376250000	-93.318
2378125000	-88.354
2380000000	-95.215
2381875000	-85.162
2383750000	-57.818
2385625000	-40.579
2387500000	-36.498
2389375000	-19.752
2391250000	-22.875
2393125000	-35.981
2395000000	-49.79
2396875000	-48.657
2398750000	-51.866
2400625000	-32.696
2402500000	-41.368
2404375000	-45.806
2406250

max=>
min=>

Frequency Hz	Frequency MHz	Freq MHz	Cable loss dB	Dielectric	S21	Freq MHz	Cable loss dB	s21 Dielectric	S21	Freq MHz	Cable loss dB	s21 Dielectric	S21
722250000	722.250	725.5	1.9		-74.2	586.7	1.7		-100.9	2610.8	3.7		-93.4
722256250	722.256	725.5	1.9		-74.5	587.1	1.7		-105.3	2612.3	3.7		-82.3
722262500	722.263	725.5	1.9		-74.0	587.5	1.7		-99.5	2613.7	3.7		-68.2
722268750	722.269	725.5	1.9		-75.4	588.0	1.7		-95.3	2615.1	3.7		-70.1
722275000	722.275	725.6	1.9		-75.0	588.4	1.7		-90.1	2616.5	3.7		-74.1
722281250	722.281	725.6	1.9		-76.5	588.9	1.7		-90.5	2618.0	3.7		-73.0
722287500	722.288	725.6	1.9		-74.8	589.3	1.7		-96.6	2619.4	3.7		-63.9
722293750	722.294	725.6	1.9		-74.7	589.7	1.7		-93.6	2620.8	3.7		-78.3
722300000	722.300	725.6	1.9		-75.7	590.2	1.7		-88.1	2622.2	3.7		-68.1
722306250	722.306	725.6	1.9		-76.4	590.6	1.7		-92.7	2623.7	3.7		-72.6
722312500	722.313	725.6	1.9		-76.0	591.0	1.7		-88.3	2625.1	3.7		-71.3
722318750	722.319	725.6	1.9		-75.5	591.5	1.7		-94.0	2626.5	3.7		-82.2
722325000	722.325	725.7	1.9		-75.5	591.9	1.7		-96.2	2627.9	3.7		-83.5
722331250	722.331	725.7	1.9		-75.6	592.4	1.7		-87.8	2629.4	3.7		-61.7
722337500	722.338	725.7	1.9		-77.6	592.8	1.7		-91.0	2630.8	3.7		-47.2
722343750	722.344	725.7	1.9		-76.5	593.2	1.7		-91.8	2632.2	3.7		-41.4
722350000	722.350	725.7	1.9		-76.4	593.7	1.7		-100.1	2633.6	3.7		-23.1
722356250	722.356	725.7	1.9		-77.7	594.1	1.7		-94.8	2635.1	3.7		-12.1
722362500	722.363	725.7	1.9		-78.5	594.5	1.7		-98.0	2636.5	3.7		-25.6
722368750	722.369	725.7	1.9		-76.6	595.0	1.7		-98.7	2637.9	3.7		-38.8
722375000	722.375	725.8	1.9		-76.1	595.4	1.7		-116.5	2639.3	3.7		-30.6
722381250	722.381	725.8	1.9		-76.5	595.8	1.7		-99.7	2640.8	3.7		-33.9
722387500	722.388	725.8	1.9		-76.4	596.3	1.7		-99.9	2642.2	3.7		-54.8
722393750	722.394	725.8	1.9		-76.7	596.7	1.7		-97.9	2643.6	3.7		-38.3
722400000	722.400	725.8	1.9		-76.5	597.2	1.7		-113.6	2645.0	3.7		-28.7
722406250	722.406	725.8	1.9		-75.2	597.6	1.7		-102.4	2646.5	3.7		-30.1
722412500	722.413	725.8	1.9		-76.9	598.0	1.7		-101.5	2647.9	3.7		-21.9
722418750	722.419	725.8	1.9		-79.4	598.5	1.7		-94.7	2649.3	3.7		-18.0
722425000	722.425	725.9	1.9		-78.0	598.9	1.7		-94.5	2650.7	3.7		-22.7
722431250	722.431	725.9	1.9		-77.0	599.3	1.7		-94.3	2652.2	3.7		-17.0
722437500	722.438	725.9	1.9		-77.5	599.8	1.7		-96.2	2653.6	3.7		-7.2
722443750	722.444	725.9	1.9		-77.2	600.2	1.7		-96.8	2655.0	3.7		-10.1
722450000	722.450	725.9	1.9		-77.4	600.7	1.7		-100.9	2656.4	3.7		-15.5
722456250	722.456	725.9	1.9		-77.2	601.1	1.7		-102.3	2657.9	3.7		-8.0
722462500	722.463	725.9	1.9		-77.6	601.5	1.7		-97.2	2659.3	3.7		-9.9
722468750	722.469	725.9	1.9		-77.7	602.0	1.7		-98.9	2660.7	3.7		-11.7
722475000	722.475	726.0	1.9		-76.5	602.4	1.7		-93.8	2662.1	3.7		-16.8
722481250	722.481	726.0	1.9		-76.7	602.8	1.7		-104.4	2663.6	3.7		-11.5
722487500	722.488	726.0	1.9		-77.5	603.3	1.7		-94.1	2665.0	3.7		-14.0
722493750	722.494	726.0	1.9		-76.9	603.7	1.7		-110.5	2666.4	3.7		-15.3
722500000	722.500	726.0	1.9		-78.3	604.2	1.7		-102.7	2667.9	3.7		-14.3
722506250	722.506	726.0	1.9		-77.2	604.6	1.7		-94.4	2669.3	3.7		-19.1
722512500	722.513	726.0	1.9		-78.6	605.0	1.7		-99.9	2670.7	3.7		-11.8
722518750	722.519	726.0	1.9		-79.2	605.5	1.7		-96.7	2672.1	3.7		-9.1
722525000	722.525	726.1	1.9		-77.7	605.9	1.7		-96.4	2673.6	3.7		-18.4
722531250	722.531	726.1	1.9		-78.6	606.3	1.7		-110.6	2675.0	3.7		-29.1
722537500	722.538	726.1	1.9		-78.4	606.8	1.7		-103.1	2676.4	3.7		-29.8
722543750	722.544	726.1	1.9		-79.5	607.2	1.7		-97.4	2677.8	3.7		-31.3
722550000	722.550	726.1	1.9		-78.6	607.6	1.7		-106.1	2679.3	3.7		-35.5
722556250	722.556	726.1	1.9		-78.3	608.1	1.7		-102.2	2680.7	3.7		-33.7
722562500	722.563	726.1	1.9		-79.2	608.5	1.7		-103.4	2682.1	3.7		-28.2
722568750	722.569	726.1	1.9		-80.2	609.0	1.7		-98.4	2683.5	3.7		-44.0
722575000	722.575	726.2	1.9		-79.8	609.4	1.7		-107.0	2685.0	3.7		-37.7
722581250	722.581	726.2	1.9		-80.2	609.8	1.7		-98.1	2686.4	3.7		-34.2
722587500	722.588	726.2	1.9		-81.6	610.3	1.7		-94.0	2687.8	3.7		-40.6
722593750	722.594	726.2	1.9		-79.2	610.7	1.7		-96.7	2689.2	3.7		-47.9
722600000	722.600	726.2	1.9		-78.7	611.1	1.7		-96.1	2690.7	3.7		-48.3
722606250	722.606	726.2	1.9		-78.8	611.6	1.7		-104.2	2692.1	3.7		-44.4
722612500	722.613	726.2	1.9		-80.9	612.0	1.7		-107.6	2693.5	3.7		-46.3
722618750	722.619	726.2	1.9		-80.3	612.5	1.7		-95.7	2694.9	3.7		-35.6
722625000	722.625	726.3	1.9		-78.9	612.9	1.7		-93.4	2696.4	3.7		-41.7
722631250	722.631	726.3	1.9		-79.2	613.3	1.7		-98.9	2697.8	3.7		-42.9
722637500	722.638	726.3	1.9		-80.2	613.8	1.7		-95.8	2699.2	3.7		-47.3
722643750	722.644	726.3	1.9		-81.1	614.2	1.7		-87.2	2700.6	3.7		-79.7
722650000	722.650	726.3	1.9		-81.2	614.6	1.7		-94.6	2702.1	3.7		-58.5
722656250	722.656	726.3	1.9		-81.5	615.1	1.7		-98.0	2703.5	3.7		-55.4
722662500	722.663	726.3	1.9		-80.9	615.5	1.7		-90.8	2704.9	3.7		-54.0
722668750	722.669	726.3	1.9		-80.4	615.9	1.7		-93.5	2706.3	3.7		-31.2
722675000	722.675	726.4	1.9		-80.4	616.4	1.7		-100.1	2707.8	3.7		-17.6
722681250	722.681	726.4	1.9		-80.5	616.8	1.7		-95.7	2709.2	3.7		-34.8
722687500	722.688	726.4	1.9		-80.7	617.3	1.7		-104.9	2710.6	3.7		-26.1
722693750	722.694	726.4	1.9		-78.2	617.7	1.7		-95.9	2712.0	3.7		-20.1
722700000	722.700	726.4	1.9		-80.8	618.1	1.7		-102.3	2713.5	3.7		-14.7
722706250	722.706	726.4	1.9		-78.6	618.6	1.7		-99.1	2714.9	3.7		-18.0
722712500	722.713	726.4	1.9		-82.7	619.0	1.7		-103.5	2716.3	3.7		-11.5
722718750	722.719	726.4	1.9		-83.8	619.4	1.8		-114.0	2717.7	3.7		-11.4
722725000	722.725	726.5	1.9		-83.4	619.9	1.8		-105.3	2719.2	3.7		-12.5
722731250	722.731	726.5	1.9		-81.5	620.3	1.8		-110.1	2720.6	3.8		-11.5
722737500	722.738	726.5	1.9		-78.2	620.8	1.8		-96.2	2722.0	3.8		-19.2
722743750	722.744	726.5	1.9		-80.1	621.2	1.8		-95.6	2723.4	3.8		-38.0
722750000	722.750	726.5	1.9		-81.1	621.6	1.8		-104.1	2724.9	3.8		-29.0
722756250	722.756	726.5	1.9		-82.4	622.1	1.8		-103.2	2726.3	3.8		-41.6
722762500	722.763	726.5	1.9		-83.0	622.5	1.8		-103.4	2727.7	3.8		-51.5
722768750	722.769	726.5	1.9		-82.5	622.9	1.8		-94.6	2729.2	3.8		-57.4
722775000	722.775	726.6	1.9		-81.3	623.4	1.8		-92.5	2730.6	3.8		-38.4
722781250	722.781	726.6	1.9		-83.2	623.8	1.8		-89.8	2732.0	3.8		-35.6
722787500	722.788	726.6	1.9		-83.8	624.2	1.8		-94.7	2733.4	3.8		-42.1
722793750	722.794	726.6	1.9		-79.4	624.7	1.8		-96.4	2734.9	3.8		-52.8
722800000	722.800	726.6	1.9		-81.5	625.1	1.8		-90.7	2736.3	3.8		-57.5
722806250	722.806	726.6	1.9		-79.2	625.6	1.8		-95.7	2737.7	3.8		-60.5
722812500	722.813	726.6	1.9		-81.6	626.0	1.8		-89.8	2739.1	3.8		-61.0
722818750	722.819	726.6	1.9		-82.3	626.4	1.8		-90.4	2740.6	3.8		-55.5
722825000	722.825	726.7	1.9		-85.7	626.9	1.8		-104.6	2742.0	3.8		-38.2
722831250	722.831	726.7	1.9		-80.2	627.3	1.8		-85.4	2743.4	3.8		-23.4
722837500	722.838	726.7	1.9		-84.6	627.7	1.8		-93.2	2744.8	3.8		-34.9
722843750	722.844	726.7	1.9		-80.3	628.2	1.8		-94.9	2746.3	3.8		-19.0
722850000	722.850	726.7	1.9		-83.1	628.6	1.8		-107.2	2747.7	3.8		-18.8
722856250	722.856	726.7	1.9		-83.7	629.1	1.8		-96.5	2749.1	3.8		-16.5
722862500	722.863	726.7	1.9		-83.6	629.5	1.8		-102.0	2750.5	3.8		-11.9
722868750	722.869	726.8	1.9		-81.1	629.9	1.8		-103.1	2752.0	3.8		-8.1
722875000	722.875	726.8	1.9		-81.4	630.4	1.8		-101.1	2753.4	3.8		-18.0
722881250	722.881	726.8	1.9		-81.9	630.8	1.8		-102.3	2754.8	3.8		-34.3
722887500	722.888	726.8	1.9		-82.6	631.2	1.8		-99.9	2756.2	3.8		-48.0
722893750	722.894	726.8	1.9		-84.9	631.7	1.8		-98.0	2757.7	3.8		-41.8
722900000	722.900	726.8	1.9		-82.0	632.1	1.8		-99.7	2759.1	3.8		-49.1
722906250	722.906	726.8	1.9		-80.8	632.5	1.8		-96.8	2760.5	3.8		-61.6
722912500	722.913	726.8	1.9		-85.3	633.0	1.8		-115.0	2761.9	3.8		-80.1
722918750	722.919	726.8	1.9		-84.8	633.4	1.8		-105.2	2763.4	3.8		-75.8
722925000	722.925	726.9	1.9		-83.0	633.9	1.8		-97.7	2764.8	3.8		-77.2
722931250	722.931	726.9	1.9		-82.8	634.3	1.8		-100.9	2766.2	3.8		-68.3

[N right antipk]+[250ssttLMR400]+[female thru]+[250ssttLMR400]+[N right antpk]

NA		FW_VERSION		FW_DATE
HP8753ES			7.74	30-Oct-02
DATE		TIME		
4 Jun 2007		10:40:01		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
10000000		3010000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
2485000000	-3.5347
2486875000	-3.5361
2488750000	-3.5376
2490625000	-3.5393
2492500000	-3.541
2494375000	-3.5421
2496250000	-3.5435
2498125000	-3.5458
2500000000	-3.5484
2501875000	-3.5505
2503750000	-3.5525
2505625000	-3.5551
2507500000	-3.558
2509375000	-3.5604
2511250000	-3.5627
2513125000	-3.5658
2515000000	-3.5692
2516875000	-3.5724
2518750000	-3.5751
2520625000	-3.578
2522500000	-3.5809
2524375000	-3.5833
2526250000	-3.585
2528125000	-3.587
2530000000	-3.5893
2531875000	-3.592
2533750000	-3.5945
2535625000	-3.5973
2537500000	-3.6002
2539375000	-3.6025
2541250000	-3.6041
2543125000	-3.6051
2545000000	-3.6062
2546875000	-3.6077
2548750000	-3.6098
2550625000	-3.6123
2552500000	-3.6147
2554375000	-3.6169
2556250000	-3.6185
2558125000	-3.6197
2560000000	-3.6207
2561875000	-3.6215
2563750000	-3.6225
2565625000	-3.624
2567500000	-3.6257
2569375000	-3.6272
2571250000	-3.6283
2573125000	-3.6287
2575000000	-3.6288
2576875000	-3.6292
2578750000	-3.6292
2580625000	-3.6299
2582500000	-3.631
2584375000	-3.6323
2586250000	-3.6334
2588125000	-3.6345
2590000000	-3.6354
2591875000	-3.6364
2593750000	-3.6371
2595625000	-3.6377
2597500000	-3.6387
2599375000	-3.6402
2601250000	-3.6419
2603125000	-3.6435
2605000000	-3.6452
2606875000	-3.6469
2608750000	-3.6487
2610625000	-3.6504
2612500000	-3.6518
2614375000	-3.6536
2616250000	-3.6557
2618125000	-3.6579
2620000000	-3.66
2621875000	-3.6622
2623750000	-3.6644
2625625000	-3.6667
2627500000	-3.6686
2629375000	-3.6707
2631250000	-3.6734
2633125000	-3.6768
2635000000	-3.6803
2636875000	-3.6838
2638750000	-3.6869
2640625000	-3.6896
2642500000	-3.6917
2644375000	-3.6934
2646250000	-3.6953
2648125000	-3.6978
2650000000	-3.7006
2651875000	-3.7035
2653750000	-3.7061
2655625000	-3.7084
2657500000	-3.7105
2659375000	-3.7121
2661250000	-3.7135
2663125000	-3.7152
2665000000	-3.7177
2666875000	-3.7206
2668750000	-3.7236
2670625000	-3.7262
2672500000	-3.728
2674375000	-3.7293
2676250000	-3.7299
2678125000	-3.7309
2680000000	-3.7322
2681875000	-3.7337
2683750000	-3.7355
2685625000	-3.7376
2687500000	-3.7394
2689375000	-3.74

[250ssttLMR400]+[N right antpk]+[N to 3-1/8 adapter]+[mask filter input]+[patch panel]+[fine match to antenna adjustable]+[N to 3-1/8 adapter]+[N right antpk]+[250ssttLMR400]

[N right antpk]+[250ssttLMR400]+[female thru]+[250ssttLMR400]+[N right antpk]

NA		FW_VERSION		FW_DATE
HP8753ES			7.74	30-Oct-02
DATE		TIME		
4 Jun 2007		11:05:31		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
725500000	-1.8624
725512500	-1.8665
725525000	-1.8643
725537500	-1.8657
725550000	-1.8636
725562500	-1.8683
725575000	-1.8655
725587500	-1.8664
725600000	-1.8626
725612500	-1.8659
725625000	-1.8657
725637500	-1.8638
725650000	-1.8627
725662500	-1.8646
725675000	-1.8608
725687500	-1.8625
725700000	-1.864
725712500	-1.8631
725725000	-1.8604
725737500	-1.8605
725750000	-1.8655
725762500	-1.8605
725775000	-1.8649
725787500	-1.8668
725800000	-1.8637
725812500	-1.8637
725825000	-1.8679
725837500	-1.8624
725850000	-1.866
725862500	-1.8594
725875000	-1.8628
725887500	-1.8654
725900000	-1.864
725912500	-1.8631
725925000	-1.8639
725937500	-1.8643
725950000	-1.867
725962500	-1.8619
725975000	-1.8631
725987500	-1.8623
726000000	-1.8637
726012500	-1.862
726025000	-1.8631
726037500	-1.8624
726050000	-1.8638
726062500	-1.8616
726075000	-1.8623
726087500	-1.8625
726100000	-1.865
726112500	-1.8628
726125000	-1.8628
726137500	-1.8655
726150000	-1.8663
726162500	-1.8683
726175000	-1.8648
726187500	-1.8661
726200000	-1.8655
726212500	-1.8645
726225000	-1.8653
726237500	-1.8645
726250000	-1.8634
726262500	-1.8634
726275000	-1.8651
726287500	-1.8649
726300000	-1.8618
726312500	-1.8634
726325000	-1.8616
726337500	-1.863
726350000	-1.8623
726362500	-1.8638
726375000	-1.8627
726387500	-1.8635
726400000	-1.8635
726412500	-1.8638
726425000	-1.8641
726437500	-1.8656
726450000	-1.8664
726462500	-1.863
726475000	-1.8646
726487500	-1.8664
726500000	-1.8651
726512500	-1.8668
726525000	-1.8658
726537500	-1.8616
726550000	-1.866
726562500	-1.8641
726575000	-1.8663
726587500	-1.8649
726600000	-1.8632
726612500	-1.8616
726625000	-1.864
726637500	-1.862
726650000	-1.859
726662500	-1.8671
726675000	-1.8668
726687500	-1.8641
726700000	-1.8637
726712500	-1.8645
726725000	-1.8621
726737500	-1.8638
726750000	-1.8657
726762500	-1.8641
726775000	-1.867
726787500	-1.8646
726800000	-1.8653
726812500	-1.8634
726825000	-1.8647
726837500	-1.866
726850000	-1.8654
726862500	-1.8661

[250ssttLMR400]+[N right antpk]+[N to 3-1/8 adapter]+[mask filter input]+[patch panel]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right antpk]+[250ssttLMR400]

NA		FW_VERSION		FW_DATE
HP8753ES			7.74	30-Oct-02
DATE		TIME		
4 Jun 2007		15:14:55		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
725500000	-76.046
725512500	-76.367
725525000	-75.869
725537500	-77.273
725550000	-76.862
725562500	-78.363
725575000	-76.701
725587500	-76.595
725600000	-77.518
725612500	-78.293
725625000	-77.872
725637500	-77.368
725650000	-77.326
725662500	-77.498
725675000	-79.499
725687500	-78.357
725700000	-78.217
725712500	-79.54
725725000	-80.352
725737500	-78.498
725750000	-77.916
725762500	-78.34
725775000	-78.215
725787500	-78.557
725800000	-78.385
725812500	-77.102
725825000	-78.794
725837500	-81.305
725850000	-79.865
725862500	-78.878
725875000	-79.378
725887500	-79.109
725900000	-79.241
725912500	-79.035
725925000	-79.421
725937500	-79.61
725950000	-78.361
725962500	-78.58
725975000	-79.327
725987500	-78.753
726000000	-80.167
726012500	-79.095
726025000	-80.464
726037500	-81.083
726050000	-79.537
726062500	-80.439
726075000	-80.251
726087500	-81.355
726100000	-80.489
726112500	-80.126
726125000	-81.093
726137500	-82.04
726150000	-81.621
726162500	-82.086
726175000	-83.421
726187500	-81.103
726200000	-80.598
726212500	-80.677
726225000	-82.799
726237500	-82.127
726250000	-80.754
726262500	-81.024
726275000	-82.079
726287500	-82.968
726300000	-83.11
726312500	-83.41
726325000	-82.769
726337500	-82.237
726350000	-82.256
726362500	-82.358
726375000	-82.533
726387500	-80.04
726400000	-82.702
726412500	-80.449
726425000	-84.596
726437500	-85.654
726450000	-85.312
726462500	-83.396
726475000	-80.052
726487500	-81.939
726500000	-83.002
726512500	-84.307
726525000	-84.907
726537500	-84.322
726550000	-83.15
726562500	-85.033
726575000	-85.637
726587500	-81.255
726600000	-83.335
726612500	-81.052
726625000	-83.475
726637500	-84.153
726650000	-87.596
726662500	-82.114
726675000	-86.506
726687500	-82.157
726700000	-84.978
726712500	-85.567
726725000	-85.428
726737500	-82.992
726750000	-83.27
726762500	-83.741
726775000	-84.417
726787500	-86.77
726800000	-83.873
726812500	-82.638
726825000	-87.116
726837500	-86.689
726850000	-84.817
726862500	-84.701

[250ssttLMR400]+[N right antpk]+[N to 3-1/8 adapter]+[mask filter input]+[patch panel]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right antpk]+[250ssttLMR400]

NA		FW_VERSION		FW_DATE
HP8753ES			7.74	30-Oct-02
DATE		TIME		
4 Jun 2007		16:42:18		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY Hz	UNITS dB
725500000	-76.251
725512500	-77.136
725525000	-77.382
725537500	-77.169
725550000	-77.16
725562500	-76.751
725575000	-78.526
725587500	-77.737
725600000	-77.649
725612500	-77.51
725625000	-77.829
725637500	-78.292
725650000	-78.226
725662500	-79.105
725675000	-77.817
725687500	-77.225
725700000	-79.988
725712500	-77.863
725725000	-77.956
725737500	-77.416
725750000	-78.632
725762500	-77.802
725775000	-78.863
725787500	-79.854
725800000	-78.843
725812500	-79.335
725825000	-79.76
725837500	-79.713
725850000	-79.734
725862500	-79.391
725875000	-77.74
725887500	-79.034
725900000	-79.658
725912500	-80.249
725925000	-80.074
725937500	-78.607
725950000	-79.491
725962500	-79.114
725975000	-78.753
725987500	-79.672
726000000	-82.026
726012500	-80.583
726025000	-80.022
726037500	-81.39
726050000	-80.314
726062500	-81.512
726075000	-79.659
726087500	-81.708
726100000	-79.633
726112500	-82.77
726125000	-82.271
726137500	-79.394
726150000	-83.757
726162500	-82.136
726175000	-81.941
726187500	-80.897
726200000	-80.241
726212500	-82.038
726225000	-81.519
726237500	-83.2
726250000	-81.867
726262500	-83.333
726275000	-82.22
726287500	-82.346
726300000	-83.197
726312500	-84.72
726325000	-81.873
726337500	-81.277
726350000	-83.69
726362500	-82.206
726375000	-81.339
726387500	-83.465
726400000	-83.657
726412500	-82.922
726425000	-83.584
726437500	-83.217
726450000	-84.157
726462500	-83.668
726475000	-85.447
726487500	-82.763
726500000	-82.871
726512500	-81.901
726525000	-84.062
726537500	-83.238
726550000	-82.56
726562500	-83.652
726575000	-84.434
726587500	-83.026
726600000	-86.489
726612500	-83.961
726625000	-83.649
726637500	-82.403
726650000	-83.455
726662500	-84.241
726675000	-83.455
726687500	-85.114
726700000	-83.583
726712500	-83.848
726725000	-85.381
726737500	-83.11
726750000	-84.734
726762500	-86.891
726775000	-84.791
726787500	-83.23
726800000	-84.654
726812500	-85.185
726825000	-84.749
726837500	-84.639
726850000	-85.942
726862500	-86.695

[250ssttLMR400]+[N right antpk]+[N to 3-1/8 adapter]+[mask filter input]+[patch panel]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right antpk]+

[N right angle]=[250ssttLMR400]=[female thru]=[250ssttLMR400]=[N right angle]

NA		FW_VERSION		FD_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		10:40:01		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
10000000		3010000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY	UNITS
Hz	dB
2691250000	-3.74
2693125000	-3.7398
2695000000	-3.7394
2696875000	-3.7389
2698750000	-3.7389
2700625000	-3.7403
2702500000	-3.7423
2704375000	-3.7437
2706250000	-3.7442
2708125000	-3.7445
2710000000	-3.7448
2711875000	-3.7451
2713750000	-3.7456
2715625000	-3.747
2717500000	-3.7494
2719375000	-3.7516
2721250000	-3.753
2723125000	-3.7541
2725000000	-3.7549
2726875000	-3.755
2728750000	-3.7546
2730625000	-3.7544
2732500000	-3.7551
2734375000	-3.7566
2736250000	-3.7581
2738125000	-3.7595
2740000000	-3.7606
2741875000	-3.7613
2743750000	-3.7621
2745625000	-3.763
2747500000	-3.7646
2749375000	-3.7668
2751250000	-3.7703
2753125000	-3.7742
2755000000	-3.7778
2756875000	-3.7809
2758750000	-3.7836
2760625000	-3.7859
2762500000	-3.7877
2764375000	-3.7897
2766250000	-3.7929
2768125000	-3.7972
2770000000	-3.8019
2771875000	-3.8062
2773750000	-3.8095
2775625000	-3.8119
2777500000	-3.8139
2779375000	-3.8153
2781250000	-3.8166
2783125000	-3.8191
2785000000	-3.8224
2786875000	-3.8258
2788750000	-3.8285
2790625000	-3.8304
2792500000	-3.8317
2794375000	-3.8328
2796250000	-3.8335
2798125000	-3.8344
2800000000	-3.8365
2801875000	-3.8396
2803750000	-3.8428
2805625000	-3.845
2807500000	-3.8456
2809375000	-3.8454
2811250000	-3.845
2813125000	-3.8441
2815000000	-3.8434
2816875000	-3.8436
2818750000	-3.8448
2820625000	-3.8461
2822500000	-3.8462
2824375000	-3.8455
2826250000	-3.8445
2828125000	-3.8432
2830000000	-3.8414
2831875000	-3.8402
2833750000	-3.8405
2835625000	-3.8424
2837500000	-3.8444
2839375000	-3.8455
2841250000	-3.8458
2843125000	-3.846
2845000000	-3.8458
2846875000	-3.8456
2848750000	-3.8466
2850625000	-3.8495
2852500000	-3.8535
2854375000	-3.8575
2856250000	-3.8601
2858125000	-3.8619
2860000000	-3.8627
2861875000	-3.8629
2863750000	-3.8626
2865625000	-3.8626
2867500000	-3.8638
2869375000	-3.8669
2871250000	-3.8707
2873125000	-3.8743
2875000000	-3.8774
2876875000	-3.8795
2878750000	-3.8811
2880625000	-3.8823
2882500000	-3.8838
2884375000	-3.8866
2886250000	-3.8902
2888125000	-3.8941
2890000000	-3.8975
2891875000	-3.9003
2893750000	-3.9023
2895625000	-3.9035

[250ssttLMR400]=[N right angle]=[N to 3-1/8 adapter]=[mask fiber input]=[patch panel]=[fine match to antenna adjustable]=[N to 3-1/8 adapter]=[N right angle]=[250ssttLMR400]

NA		FW_VERSION		FD_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		11:05:31		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY	UNITS
Hz	dB
726875000	-1.8626
726887500	-1.8612
726900000	-1.8642
726912500	-1.8632
726925000	-1.8592
726937500	-1.8654
726950000	-1.8638
726962500	-1.8615
726975000	-1.8652
726987500	-1.8632
727000000	-1.8617
727012500	-1.8604
727025000	-1.8612
727037500	-1.8622
727050000	-1.866
727062500	-1.8638
727075000	-1.8641
727087500	-1.8664
727100000	-1.8663
727112500	-1.865
727125000	-1.8661
727137500	-1.8665
727150000	-1.865
727162500	-1.8645
727175000	-1.8611
727187500	-1.8666
727200000	-1.8628
727212500	-1.8662
727225000	-1.8619
727237500	-1.8601
727250000	-1.8628
727262500	-1.8616
727275000	-1.8601
727287500	-1.8621
727300000	-1.863
727312500	-1.8604
727325000	-1.8635
727337500	-1.864
727350000	-1.8622
727362500	-1.8661
727375000	-1.8632
727387500	-1.8617
727400000	-1.8638
727412500	-1.8632
727425000	-1.8637
727437500	-1.8607
727450000	-1.8629
727462500	-1.8635
727475000	-1.8634
727487500	-1.8631
727500000	-1.8632
727512500	-1.8624
727525000	-1.8641
727537500	-1.8632
727550000	-1.861
727562500	-1.8614
727575000	-1.8583
727587500	-1.8597
727600000	-1.8601
727612500	-1.8621
727625000	-1.8621
727637500	-1.8598
727650000	-1.8635
727662500	-1.8612
727675000	-1.8606
727687500	-1.8631
727700000	-1.8606
727712500	-1.8616
727725000	-1.862
727737500	-1.8634
727750000	-1.8638
727762500	-1.8601
727775000	-1.8596
727787500	-1.8602
727800000	-1.8636
727812500	-1.8623
727825000	-1.8605
727837500	-1.861
727850000	-1.8599
727862500	-1.8621
727875000	-1.861
727887500	-1.8564
727900000	-1.8552
727912500	-1.8576
727925000	-1.8604
727937500	-1.8602
727950000	-1.8604
727962500	-1.8609
727975000	-1.8585
727987500	-1.8615
728000000	-1.8623
728012500	-1.863
728025000	-1.8611
728037500	-1.8597
728050000	-1.8627
728062500	-1.8601
728075000	-1.8613
728087500	-1.8612
728100000	-1.8604
728112500	-1.8575
728125000	-1.8608
728137500	-1.8581
728150000	-1.8613
728162500	-1.8627
728175000	-1.8582
728187500	-1.8581
728200000	-1.8562
728212500	-1.8578
728225000	-1.8564
728237500	-1.86

[N right angle]=[250ssttLMR400]=[female thru]=[250ssttLMR400]=[N right angle]

NA		FW_VERSION		FD_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		15:14:55		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY	UNITS
Hz	dB
726875000	-88.499
726887500	-83.874
726900000	-92.977
726912500	-87.593
726925000	-92.283
726937500	-84.412
726950000	-86.265
726962500	-87.677
726975000	-83.676
726987500	-84.245
727000000	-84.9
727012500	-85.962
727025000	-87.799
727037500	-91.482
727050000	-99.745
727062500	-84.347
727075000	-84.532
727087500	-86.364
727100000	-86.204
727112500	-85.789
727125000	-85.438
727137500	-85.12
727150000	-92.179
727162500	-89.443
727175000	-87.058
727187500	-85.871
727200000	-89.455
727212500	-91.922
727225000	-87.597
727237500	-84.527
727250000	-87.283
727262500	-87.054
727275000	-89.376
727287500	-85.992
727300000	-84.233
727312500	-90.697
727325000	-85.211
727337500	-96.249
727350000	-89.131
727362500	-88.424
727375000	-90.535
727387500	-92.453
727400000	-92.16
727412500	-92.754
727425000	-86.858
727437500	-86.25
727450000	-93.609
727462500	-90.769
727475000	-84.766
727487500	-90.19
727500000	-88.696
727512500	-94.533
727525000	-90.767
727537500	-91.052
727550000	-94.621
727562500	-90.592
727575000	-85.952
727587500	-92.016
727600000	-91.745
727612500	-85.52
727625000	-91.545
727637500	-94.687
727650000	-90.122
727662500	-101.74
727675000	-86.343
727687500	-88.611
727700000	-90.365
727712500	-88.592
727725000	-87.305
727737500	-91.316
727750000	-87.983
727762500	-94.124
727775000	-91.948
727787500	-89.649
727800000	-90.287
727812500	-87.02
727825000	-99.928
727837500	-92.672
727850000	-90.97
727862500	-89.117
727875000	-90.404
727887500	-94.319
727900000	-90.189
727912500	-91.521
727925000	-90.348
727937500	-91.644
727950000	-86.721
727962500	-95.038
727975000	-97.138
727987500	-93.24
728000000	-93.524
728012500	-94.412
728025000	-91.06
728037500	-86.09
728050000	-89.09
728062500	-91.287
728075000	-94.701
728087500	-90.129
728100000	-96.016
728112500	-92.424
728125000	-88.71
728137500	-89.76
728150000	-87.764
728162500	-90.142
728175000	-90.83
728187500	-94.467
728200000	-92.596
728212500	-89.708
728225000	-93.002
728237500	-96.658

[250ssttLMR400]=[N right angle]=[N to 3-1/8 adapter]=[mask fiber input]=[patch panel]=[fine match to antenna adjustable]=[N to 3-1/8 adapter]=[N right angle]=[250ssttLMR400]

NA		FW_VERSION		FD_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		16:42:18		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
709000000		729000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY	UNITS
Hz	dB
726875000	-86.051
726887500	-85.884
726900000	-85.203
726912500	-84.184
726925000	-84.514
726937500	-86.78
726950000	-87.259
726962500	-87.01
726975000	-84.879
726987500	-86.512
727000000	-86.972
727012500	-85.365
727025000	-86.386
727037500	-84.929
727050000	-85.376
727062500	-88.336
727075000	-86.267
727087500	-86.803
727100000	-87.273
727112500	-90.674
727125000	-87.303
727137500	-86.255
727150000	-86.529
727162500	-90.097
727175000	-86.243
727187500	-87.374
727200000	-87.655
727212500	-87.636
727225000	-87.333
727237500	-87.886
727250000	-85.991
727262500	-86.703
727275000	-88.323
727287500	-87.303
727300000	-86.839
727312500	-88.322
727325000	-86.559
727337500	-89.973
727350000	-88.84
727362500	-90.118
727375000	-89.238
727387500	-88.303
727400000	-86.721
727412500	-89.361
727425000	-88.844
727437500	-87.493
727450000	-89.109
727462500	-84.974
727475000	-87.979
727487500	-91.432
727500000	-91.404
727512500	-90.332
727525000	-91.657
727537500	-91.717
727550000	-89.078
727562500	-89.803
727575000	-88.289
727587500	-90.761
727600000	-88.224
727612500	-87.282
727625000	-90.275
727637500	-88.727
727650000	-92.888
727662500	-87.528
727675000	-94.501
727687500	-88.24
727700000	-94.39
727712500	-89.329
727725000	-92.4
727737500	-91.649
727750000	-92.888
727762500	-88.768
727775000	-88.8
727787500	-89.372
727800000	-88.223
727812500	-95.185
727825000	-88.342
727837500	-94.554
727850000	-90.656
727862500	-89.744
727875000	-90.463
727887500	-87.436
727900000	-91.773
727912500	-91.669
727925000	-95.094
727937500	-91.322
727950000	-92.012
727962500	-90.048
727975000	-90.571
727987500	-92.244
728000000	-88.546
728012500	-93.652
728025000	-93.539
728037500	-89.667
728050000	-92.282
728062500	-90.294
728075000	-96.444
728087500	-95.319
728100000	-93.62
728112500	-93.835
728125000	-94.712
728137500	-90.81
728150000	-90.466
728162500	-91.26
728175000	-92.869
728187500	-90.692
728200000	-92.287
728212500	-93.309
728225000	-88.956
728237500	-92.691

[250ssttLMR400]=[N right angle]=[N to 3-1/8 adapter]=[mask fiber input]=[patch panel]=[fine match to antenna adjustable]=[N to 3-1/8 adapter]=[N right angle]=[250ssttLMR400]

NA		FW_VERSION		FD_DATE
HP8753ES		7.74		30-Oct-02
DATE		TIME		
4 Jun 2007		17:00:50		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
10000000		3010000000		
POINTS		POWER		IF_BW
1601		0.00E+00		300

FREQUENCY	UNITS
Hz	dB
2691250000	-47.958
2693125000	-45.945
2695000000	-41.519
2696875000	-46.086
2698750000	-48.963
2700625000	-87.047
2702500000	-63.447
2704375000	-56.929
2706250000	-35.349
2708125000	-26.529
2710000000	-33.763
2711875000	-24.586
2713750000	-18.685
2715625000	-18.658
2717500000	-13.591
2719375000	-16.008
2721250000	-19.295
2723125000	-36.775
2725000000	-35.068
2726875000	-48.839
2728750000	-56.988
2730625000	-43.671
2732500000	-39.338
2734375000	-53.88
2736250000	-61.059
2738125000	-65.122
2740000000	-60.801
2741875000	-44.161
2743750000	-32.503
2745625000	-26.124
2747500000	-24.334
2749375000	-22.058
2751250000	-12.259
2753125000	-22.393
2755000000	-40.556
2756875000	-45.899
2758750000	-53.38
2760625000	-67.742
2762500000	-81.379
2764375000	-86.843
2766250000	-72.366
2768125000	-61.126
2770000000	-41.838
2771875000	-62.508
2773750000	-44.185
2775625000	-30.037
2777500000	-28.1
2779375000	-50.025
2781250000	-49.593
2783125000	-28.139
2785000000	-26.8
2786875000	-35.813
2788750000	-34.903
2790625000	-52.987
2792500000	-59.13
2794375000	-42.196
2796250000	-33.883
2798125000	-26.239
2800000000	-40.546
2801875000	-43.111
2803750000	-37.103
2805625000	-35.567
2807500000	-43.235
2809375000	-44.163
2811250000	-33.994
2813125000	-36.098
2815000000	-50.981
2816875000	-49.186
2818750000	-36.765
2820625000	-37.072
2822500000	-24.24
2824375000	-53.541
2826250000	-47.066
2828125000	-42.928
2830000000	-29.37
2831875000	-33.123
2833750000	-53.698
2835625000	-35.192
2837500000	-44.107
2839375000	-48.889
2841250000	-42.685
2843125000	-68.48
2845000000	-65.913
2846875000	-71.726
2848750000	-45.114
2850625000	-40.886
2852500000	-46.985
2854375000	-42.475
2856250000	-27.81
2858125000	-22.208
2860000000	-36.82
2861875000	-17.509
2863750000	-33.362
2865625000	-21.122
2867500000	-29.897
2869375000	-46.797
2871250000	-62.342
2873125000	-32.878
2875000000	-31.022
2876875000	-27.569
2878750000	-21.375
2880625000	-24.675
2882500000	-23.257
2884375000	-29.475
2886250000	-47.116
2888125000	-44.862
2890000000	-62.314
2891875000	-47.626
2893750000	-60.958
2895625000	-70.259

[250ssttLMR400]=[N right angle]=[N to 3-1/8 adapter]=[mask fiber input]=[patch panel]=[fine match to antenna adjustable]=[N to 3-1/8 adapter]=[N right angle]=[250ssttLMR400]

NA		FW_VERSION		FD_DATE
HP8753ES		7.74		3.76E+04
DATE		TIME		
5 Jun 2007		17:10:10		
CHAN		MEAS		FORMAT
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
729000000		3010000000		
POINTS		POWER		IF_BW
1601		0.00E+00		3.00E+02

FREQUENCY	UNITS
Hz	dB
2691250000	-61.285
2693125000	-57.491
2695000000	-39.101
2696875000	-62.171
2698750000	-39.285
2700625000	-41.115
2702500000	-27.581
2704375000	-27.021
2706250000	-50.624
2708125000	-62.312
2710000000	-43.37
2711875000	-25.76
2713750000	-27.875
2715625000	-27.77
2717500000	-28.954
2719375000	-36.038
2721250000	-50.36
2723125000	-36.775
2725000000	-72.588
2726875000	-37.828
2728750000	-41.576
2730625000	-20.653
2732500000	-34.758
2734375000	-39.477
2736250000	-44.497
2738125000	-34.569
2740000000	-46.74
2741875000	-27.252
2743750000	-45.282
2745625000	-43.369
2747500000	-48.258
2749375000	-33.668
2751250000	-34.74
2753125000	-45.496
2755000000	-51.357
2756875000	-36.413
2758750000	-39.398
2760625000	-32.114
2762500000	-21.808
2764375000	-33.765
2766250000	-48.23
2768125000	-47.547
2770000000	-45.016
2771875000	-37.529
2773750000	-54.155
2775625000	-58.741
2777500000	-61.488
2779375000	-66.355
2781250000	-37.169
2783125000	-54.29
2785000000	-38.327
2786875000	-56.021
2788750000	-67.543
2790625000	-65.136
2792500000	-78.06
2794375000	-52.856
2796250000	-49.066
2798125000	-33.668
2800000000	-38.523
2801875000	-49.988
2803750000	-46.695
2805625000	-40.553
2807500000	-29.345
2809375000	-26.565
2811250000	-21.269
2813125000	-32.256
2815000000	-16.531
2816875000	-26.562
2818750000	-23.914
2820625000	-22.029
2822500000	-30.306
2824375000	-32.515
2826250000	-53.045
2828125000	-54.096
2830000000	-30.764
2831875000	-33.123
2833750000	-32.95
2835625000	-25.449
2837500000	-20.492
2839375000	-21.133
2841250000	-27.549
2843125000	-22.268
2845000000	-29.72
2846875000	-40.806
2848750000	-47.259
2850625000	-48.747
2852500000	-54.432
2854375000	-46.101
2856250000	-54.263
2858125000	-61.437
2860000000	-75.563
2861875000	-45.793
2863750000	-37.108
2865625000	-49.066
2867500000	-38.327
2869375000	-46.797
2871250000	-62.342
2873125000	-32.878
2875000000	-31.022
2876875000	-27.569
2878750000	-21.375
2880625000	-24.675
2882500000	-23.257
2884375000	-29.475
2886250000	-47.116
2888125000	-44.862
2890000000	-62.314
2891875000	-47.626
2893750000	-60.958
2895625000	-70.259

[250ssttLMR400]=[N right angle]=[N to 3-1/8 adapter]=[mask fiber input]=[patch panel]=[fine match to antenna adjustable]=[N to 3-1/8 adapter]=[N right angle]=[250ssttLMR400]

NA		FW_VERSION		FD_DATE
HP8753ES		7.74		
DATE		TIME		
5 Jun 2007		14:40:27		
CHAN		MEAS		
		1 S21		LOG_MAG
CHAN_START_FREQ		CHAN_STOP_FREQ		
1.000E+07		709000000		
POINTS		POWER		
1.601E+03		0.00E+00		

FREQUENCY	UNITS
Hz	dB
2767643750	-100.03
2769069375	-114.34
2770495000	-108.84
2771920625	-95.002
2773346250	-106.08
2774771875	-98.784
2776197500	-88.761
2777623125	-108.52
2779048750	-100.53
2780474375	-92.421
2781900000	-95.13
2783325625	-96.061
2784751250	-101.87
2786176875	-114.41
2787602500	-96.086
2789028125	-96.294
2790453750	-105.64
2791879375	-99.511
2793305000	-107.69
2794730625	-100.38
2796156250	-119.07
2797581875	-105.4
2799007500	-100.28
2800433125	-98.928
2801858750	-110.18
2803284375	-97.918
2804710000	-93.909
2806135625	-93.604
2807561250	-99.224
2808986875	-96.555
2810412500	-99.04
2811838125	-111
2813263750	-94.905
2814689375	-97.727
2816115000	-105.83
2817540625	-93.528
2818966250	-96.264
2820391875	-98.152
2821817500	-93.832
2823243125	-104.3
2824668750	-93.54
2826094375	-93.038
2827520000	-105.16
2828945625	-98.82
2830371250	-107.13
2831796875	-107.13
2833222500	-104.46
2834648125	-100.69
2836073750	-101.74
2837499375	-104.29
2838925000	-107.33
2840350625	-96.5
2841776250	-107.5
2843201875	-94.915
2844627500	-93.85
2846053125	-114.41
2847478750	-99.47
2848904375	-98.968
2850330000	-97.084
2851755625	-96.085
2853181250	-101.56
2854606875	-103.17
2856032500	-98.953
2857458125	-93.264
2858883750	-99.809
2860309375	-96.821
2861735000	-97.37
2863160625	-99.638
2864586250	-94.179
2866011875	-113.13
2867437500	-101.18
2868863125	-106.71
2870288750	-111.16
2871714375	-103.58
2873140000	-99.241
2874565625	-100.29
2875991250	-108.88
2877416875	-106.74
2878842500	-104.86
2880268125	-102.09
2881693750	-102.81
2883119375	-96.665
2884545000	-100.03
2885970625	-90.34
2887396250	-93.913
2888821875	-96.103
2890247500	-94.502
2891673125	-100.57
2893098750	-89.233
2894524375	-103.84
2895950000	-94.461
2897375625	-96.073
2898801250	-88.656
2900226875	-95.327
2901652500	-101.92
2903078125	-107.52
2904503750	-92.81
2905929375	-107.85
2907355000	-104.32
2908780625	-94.057
2910206250	-103.66
2911631875	-113.94
2913057500	-104.7
2914483125	-105.26
2915908750	-98.535
2917334375	-100.55
2918760000	-106.09
2920185625	-105.44
2921612500	-107.66
2923036875	-98.965

max=>
min=>

Frequency Hz	Frequency MHz	Freq MHz	Cable loss dB	Dielectric S21 dB	Freq MHz	Cable loss dB	s21 Dielectric dB	Freq MHz	Cable loss dB	s21 Dielectric dB
723625000	723.625	728.3	1.9	-91.4	682.8	1.8	-88.4	2924.5	3.9	-53.0
723631250	723.631	728.3	1.9	-88.3	683.2	1.8	-91.1	2925.9	3.9	-50.1
723637500	723.638	728.3	1.9	-89.8	683.7	1.8	-98.6	2927.3	3.9	-46.8
723643750	723.644	728.3	1.9	-90.5	684.1	1.8	-99.1	2928.7	3.9	-24.2
723650000	723.650	728.3	1.9	-89.1	684.5	1.8	-109.0	2930.2	3.9	-39.2
723656250	723.656	728.3	1.9	-87.4	685.0	1.8	-98.6	2931.6	3.9	-37.7
723662500	723.663	728.3	1.9	-107.0	685.4	1.8	-106.3	2933.0	3.9	-45.9
723668750	723.669	728.3	1.9	-88.2	685.8	1.8	-89.4	2934.4	3.9	-43.7
723675000	723.675	728.4	1.9	-105.6	686.3	1.8	-94.6	2935.9	3.9	-29.6
723681250	723.681	728.4	1.9	-95.5	686.7	1.8	-97.9	2937.3	3.9	-38.4
723687500	723.688	728.4	1.9	-94.0	687.2	1.8	-99.8	2938.7	3.9	-19.4
723693750	723.694	728.4	1.9	-93.1	687.6	1.8	-93.5	2940.1	4.0	-18.6
723700000	723.700	728.4	1.9	-88.1	688.0	1.8	-98.6	2941.6	4.0	-26.6
723706250	723.706	728.4	1.9	-86.9	688.5	1.8	-98.4	2943.0	4.0	-33.0
723712500	723.713	728.4	1.9	-90.5	688.9	1.8	-110.9	2944.4	4.0	-34.2
723718750	723.719	728.4	1.9	-92.0	689.3	1.8	-117.1	2945.8	4.0	-26.9
723725000	723.725	728.5	1.9	-93.6	689.8	1.8	-100.3	2947.3	4.0	-49.2
723731250	723.731	728.5	1.9	-88.9	690.2	1.8	-102.2	2948.7	4.0	-54.2
723737500	723.738	728.5	1.9	-93.4	690.7	1.9	-98.0	2950.1	4.0	-58.6
723743750	723.744	728.5	1.9	-90.2	691.1	1.9	-105.4	2951.5	4.0	-32.3
723750000	723.750	728.5	1.9	-91.5	691.5	1.9	-111.2	2953.0	4.0	-33.1
723756250	723.756	728.5	1.9	-90.2	692.0	1.9	-105.6	2954.4	4.0	-66.0
723762500	723.763	728.5	1.9	-97.4	692.4	1.9	-111.5	2955.8	4.0	-32.3
723768750	723.769	728.5	1.9	-101.9	692.8	1.9	-99.0	2957.3	4.0	-30.7
723775000	723.775	728.6	1.9	-91.9	693.3	1.9	-95.2	2958.7	4.0	-32.2
723781250	723.781	728.6	1.9	-97.7	693.7	1.9	-91.1	2960.1	4.0	-40.7
723787500	723.788	728.6	1.9	-91.7	694.1	1.9	-89.3	2961.5	4.0	-34.9
723793750	723.794	728.6	1.9	-104.3	694.6	1.9	-98.8	2963.0	4.0	-38.8
723800000	723.800	728.6	1.9	-117.8	695.0	1.9	-90.7	2964.4	3.9	-53.9
723806250	723.806	728.6	1.9	-89.6	695.5	1.9	-92.5	2965.8	3.9	-34.2
723812500	723.813	728.6	1.9	-93.2	695.9	1.9	-90.0	2967.2	3.9	-35.2
723818750	723.819	728.6	1.9	-96.6	696.3	1.9	-92.6	2968.7	3.9	-31.7
723825000	723.825	728.7	1.9	-85.6	696.8	1.9	-95.2	2970.1	3.9	-62.9
723831250	723.831	728.7	1.9	-86.3	697.2	1.9	-88.1	2971.5	3.9	-55.2
723837500	723.838	728.7	1.9	-92.7	697.6	1.9	-98.9	2972.9	3.9	-57.3
723843750	723.844	728.7	1.9	-91.7	698.1	1.9	-92.3	2974.4	3.9	-69.7
723850000	723.850	728.7	1.9	-96.9	698.5	1.9	-99.0	2975.8	3.9	-60.6
723856250	723.856	728.7	1.9	-90.7	699.0	1.9	-102.2	2977.2	3.9	-61.7
723862500	723.863	728.7	1.9	-89.6	699.4	1.9	-91.9	2978.6	3.9	-61.2
723868750	723.869	728.7	1.9	-99.4	699.8	1.9	-92.9	2980.1	3.9	-58.8
723875000	723.875	728.8	1.9	-95.1	700.3	1.9	-108.5	2981.5	3.9	-67.4
723881250	723.881	728.8	1.9	-95.4	700.7	1.9	-91.1	2982.9	3.9	-66.0
723887500	723.888	728.8	1.9	-91.4	701.1	1.9	-103.9	2984.3	3.9	-83.6
723893750	723.894	728.8	1.9	-96.3	701.6	1.9	-100.8	2985.8	3.9	-77.1
723900000	723.900	728.8	1.9	-90.1	702.0	1.9	-96.0	2987.2	3.9	-54.6
723906250	723.906	728.8	1.9	-93.8	702.4	1.9	-103.8	2988.6	3.9	-55.9
723912500	723.913	728.8	1.9	-89.7	702.9	1.9	-98.9	2990.0	3.9	-49.8
723918750	723.919	728.8	1.9	-93.6	703.3	1.9	-96.5	2991.5	3.9	-40.9
723925000	723.925	728.9	1.9	-99.1	703.8	1.9	-98.9	2992.9	3.9	-42.9
723931250	723.931	728.9	1.9	-91.6	704.2	1.9	-112.7	2994.3	3.9	-58.5
723937500	723.938	728.9	1.9	-87.8	704.6	1.9	-111.3	2995.7	3.9	-59.1
723943750	723.944	728.9	1.9	-89.1	705.1	1.9	-125.5	2997.2	3.9	-45.8
723950000	723.950	728.9	1.9	-92.2	705.5	1.9	-96.0	2998.6	3.9	-29.3
723956250	723.956	728.9	1.9	-94.9	705.9	1.9	-98.4	3000.0	3.9	-11.4
723962500	723.963	728.9	1.9	-94.0	706.4	1.9	-90.6	3001.4	3.9	-10.0
723968750	723.969	728.9	1.9	-92.8	706.8	1.9	-101.5	3002.9	3.9	-15.0
723975000	723.975	729.0	1.9	-99.5	707.3	1.9	-93.2	3004.3	3.9	-36.5
723981250	723.981	729.0	1.9	-89.6	707.7	1.9	-95.5	3005.7	3.9	-45.3
723987500	723.988	729.0	1.9	-94.7	708.1	1.9	-94.4	3007.1	3.9	-37.4
723993750	723.994	729.0	1.9	-95.4	708.6	1.9	-92.4	3008.6	3.9	-47.5
724000000	724.000	729.0	1.9	-89.1	709.0	1.9	-88.3	3010.0	3.9	-21.3

[N right antipl=[250ooLMR400]+[female thru]+[250ooLMR400]+[N right antpl]

NA	FW_VERSION		FW_DATE
HP8753ES		7.74	30-Oct-02
DATE	TIME		
4 Jun 2007		10:40:01	
CHAN	MEAS		FORMAT
	1 S21		LOG_MAG
CHAN_START_FREQ	CHAN_STOP_FREQ		
10000000	3010000000		
POINTS	POWER		IF_BW
1601	0.00E+00		300

FREQUENCY Hz	UNITS dB
2897500000	-3.9044
2899375000	-3.9054
2901250000	-3.9081
2903125000	-3.9125
2905000000	-3.917
2906875000	-3.9202
2908750000	-3.9219
2910625000	-3.922
2912500000	-3.9212
2914375000	-3.9199
2916250000	-3.92
2918125000	-3.923
2920000000	-3.9286
2921875000	-3.9351
2923750000	-3.9402
2925625000	-3.9433
2927500000	-3.9454
2929375000	-3.9462
2931250000	-3.946
2933125000	-3.9457
2935000000	-3.9465
2936875000	-3.9483
2938750000	-3.9503
2940625000	-3.9516
2942500000	-3.9522
2944375000	-3.9524
2946250000	-3.9518
2948125000	-3.951
2950000000	-3.9504
2951875000	-3.9509
2953750000	-3.9519
2955625000	-3.9526
2957500000	-3.9524
2959375000	-3.9516
2961250000	-3.9506
2963125000	-3.9493
2965000000	-3.9479
2966875000	-3.9471
2968750000	-3.9472
2970625000	-3.9479
2972500000	-3.9487
2974375000	-3.9491
2976250000	-3.949
2978125000	-3.9482
2980000000	-3.9463
2981875000	-3.9432
2983750000	-3.9399
2985625000	-3.9379
2987500000	-3.9372
2989375000	-3.9378
2991250000	-3.9391
2993125000	-3.9405
2995000000	-3.9412
2996875000	-3.9411
2998750000	-3.9405
3000625000	-3.9401
3002500000	-3.9404
3004375000	-3.9412
3006250000	-3.9426
3008125000	-3.9442
3010000000	-3.9457

[N right antpl=[250ooLMR400]+[female thru]+[250ooLMR400]+[N right antpl]

NA	FW_VERSION		FW_DATE
HP8753ES		7.74	30-Oct-02
DATE	TIME		
4 Jun 2007		11:05:31	
CHAN	MEAS		FORMAT
	1 S21		LOG_MAG
CHAN_START_FREQ	CHAN_STOP_FREQ		
709000000	729000000		
POINTS	POWER		IF_BW
1601	0.00E+00		300

FREQUENCY Hz	UNITS dB
728250000	-1.8572
728262500	-1.8585
728275000	-1.8581
728287500	-1.8588
728300000	-1.8605
728312500	-1.8604
728325000	-1.8587
728337500	-1.8605
728350000	-1.8612
728362500	-1.8603
728375000	-1.8577
728387500	-1.8616
728400000	-1.862
728412500	-1.8603
728425000	-1.8587
728437500	-1.8572
728450000	-1.8604
728462500	-1.8594
728475000	-1.857
728487500	-1.8589
728500000	-1.8572
728512500	-1.8606
728525000	-1.8579
728537500	-1.857
728550000	-1.8568
728562500	-1.8546
728575000	-1.8599
728587500	-1.8579
728600000	-1.8562
728612500	-1.8587
728625000	-1.8583
728637500	-1.8572
728650000	-1.8621
728662500	-1.8625
728675000	-1.8581
728687500	-1.8598
728700000	-1.855
728712500	-1.8611
728725000	-1.856
728737500	-1.8566
728750000	-1.8536
728762500	-1.8581
728775000	-1.8577
728787500	-1.8562
728800000	-1.8554
728812500	-1.8558
728825000	-1.8576
728837500	-1.8559
728850000	-1.8565
728862500	-1.8583
728875000	-1.8553
728887500	-1.8543
728900000	-1.8549
728912500	-1.8562
728925000	-1.8559
728937500	-1.858
728950000	-1.8593
728962500	-1.859
728975000	-1.8573
728987500	-1.8598
729000000	-1.8572

[250ooLMR400]+[N right antpl]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustment]+[N to 3-1/8 adapter]+[N right antpl=[250ooLMR400]]

NA	FW_VERSION		FW_DATE
HP8753ES		7.74	30-Oct-02
DATE	TIME		
4 Jun 2007		15:14:55	
CHAN	MEAS		FORMAT
	1 S21		LOG_MAG
CHAN_START_FREQ	CHAN_STOP_FREQ		
709000000	729000000		
POINTS	POWER		IF_BW
1601	0.00E+00		300

FREQUENCY Hz	UNITS dB
728250000	-93.272
728262500	-90.192
728275000	-91.613
728287500	-92.323
728300000	-90.972
728312500	-89.223
728325000	-108.88
728337500	-90.084
728350000	-107.51
728362500	-97.335
728375000	-95.818
728387500	-95.01
728400000	-89.96
728412500	-88.798
728425000	-92.366
728437500	-93.833
728450000	-95.435
728462500	-90.755
728475000	-95.227
728487500	-92.06
728500000	-93.387
728512500	-92.077
728525000	-99.292
728537500	-103.71
728550000	-93.802
728562500	-99.594
728575000	-93.574
728587500	-106.17
728600000	-119.62
728612500	-91.431
728625000	-95.022
728637500	-98.476
728650000	-87.464
728662500	-88.121
728675000	-94.515
728687500	-93.571
728700000	-98.765
728712500	-92.588
728725000	-91.502
728737500	-101.23
728750000	-96.943
728762500	-97.307
728775000	-93.247
728787500	-98.172
728800000	-91.961
728812500	-95.692
728825000	-91.586
728837500	-95.505
728850000	-100.95
728862500	-93.5
728875000	-89.61
728887500	-90.997
728900000	-94.077
728912500	-96.782
728925000	-95.903
728937500	-94.633
728950000	-101.38
728962500	-91.467
728975000	-96.591
728987500	-97.296
729000000	-90.916

[250ooLMR400]+[N right antpl]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustment]+[N to 3-1/8 adapter]+[N right antpl=[250ooLMR400]]

NA	FW_VERSION		FW_DATE
HP8753ES		7.74	30-Oct-02
DATE	TIME		
4 Jun 2007		16:42:18	
CHAN	MEAS		FORMAT
	1 S21		LOG_MAG
CHAN_START_FREQ	CHAN_STOP_FREQ		
709000000	729000000		
POINTS	POWER		IF_BW
1601	0.00E+00		300

FREQUENCY Hz	UNITS dB
728250000	-91.402
728262500	-94.707
728275000	-91.243
728287500	-93.969
728300000	-92.075
728312500	-93.651
728325000	-93.14
728337500	-94.663
728350000	-89.944
728362500	-90.852
728375000	-90.779
728387500	-88.933
728400000	-97.048
728412500	-94.69
728425000	-93.363
728437500	-90.848
728450000	-97.456
728462500	-91.373
728475000	-91.872
728487500	-94.292
728500000	-94.465
728512500	-105.27
728525000	-91.059
728537500	-95.779
728550000	-92.496
728562500	-95.993
728575000	-92.581
728587500	-92.498
728600000	-95.063
728612500	-103.37
728625000	-95.55
728637500	-94.806
728650000	-94.607
728662500	-93.32
728675000	-93.249
728687500	-93.461
728700000	-93.745
728712500	-99.538
728725000	-94.591
728737500	-93.278
728750000	-94.086
728762500	-95.658
728775000	-96.452
728787500	-97.545
728800000	-92.747
728812500	-96.88
728825000	-93.982
728837500	-93.468
728850000	-93.691
728862500	-99.617
728875000	-93.574
728887500	-97.05
728900000	-94.307
728912500	-93.437
728925000	-95.453
728937500	-94.185
728950000	-93.816
728962500	-93.515
728975000	-94.382
728987500	-94.362
729000000	-95.809

[250ooLMR400]+[N right antpl]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustment]+[N to 3-1/8 adapter]+[N right antpl=[250ooLMR400]]

NA	FW_VERSION		FW_DATE
HP8753ES		7.74	30-Oct-02
DATE	TIME		
4 Jun 2007		17:00:50	
CHAN	MEAS		FORMAT
	1 S21		LOG_MAG
CHAN_START_FREQ	CHAN_STOP_FREQ		
10000000	3010000000		
POINTS	POWER		IF_BW
1601	0.00E+00		300

FREQUENCY Hz	UNITS dB
2897500000	-43.285
2899375000	-41.283
2901250000	-43.958
2903125000	-41.059
2905000000	-63.317
2906875000	-87.414
2908750000	-54.659
2910625000	-66.733
2912500000	-47.835
2914375000	-55.047
2916250000	-64.336
2918125000	-79.49
2920000000	-92.593
2921875000	-86.736
2923750000	-50.874
2925625000	-56.011
2927500000	-51.301
2929375000	-32.012
2931250000	-42.24
2933125000	-51.461
2935000000	-42.677
2936875000	-41.489
2938750000	-25.253
2940625000	-24.803
2942500000	-35.317
2944375000	-38.24
2946250000	-34.398
2948125000	-57.481
2950000000	-63.667
2951875000	-36.245
2953750000	-53.137
2955625000	-41.081
2957500000	-36.125
2959375000	-35.889
2961250000	-43.01
2963125000	-46.057
2965000000	-47.611
2966875000	-37.404
2968750000	-37.387
2970625000	-67.37
2972500000	-60.026
2974375000	-73.073
2976250000	-66.132
2978125000	-62.935
2980000000	-63.207
2981875000	-66.763
2983750000	-78.041
2985625000	-88.185
2987500000	-57.889
2989375000	-57.386
2991250000	-46.374
2993125000	-49.162
2995000000	-68.798
2996875000	-53.014
2998750000	-30.128
3000625000	-14.732
3002500000	-19.466
3004375000	-41.583
3006250000	-48.828
3008125000	-46.924
3010000000	-28.132

[250ooLMR400]+[N right antpl]+[N to 3-1/8 adapter]+[mask fiber input]+[patch panel]+[fine match to antenna adjustment]+[N to 3-1/8 adapter]+[N right antpl=[250ooLMR400]]

NA	FW_VERSION		FW_DATE
HP8753ES		7.74	3.76E+04
DATE	TIME		
5 Jun 2007		17:10:10	
CHAN	MEAS		FORMAT
	1 S21		LOG_MAG
CHAN_START_FREQ	CHAN_STOP_FREQ		
729000000	3010000000		
POINTS	POWER		IF_BW
1601	0.00E+00		3.00E+02

FREQUENCY Hz	UNITS dB
2924462500	-56.958
2925888125	-54.034
2927313750	-50.695
2928739375	-28.188
2930165000	-43.159
2931590625	-41.639
2933016250	-49.89
2934441875	-47.663
2935867500	-33.5
2937293125	-42.301
2938718750	-23.348
2940144375	-22.514
2941570000	-30.589
2942995625	-36.922
2944421250	-38.15
2945846875	-30.812
2947272500	-53.175
2948698125	-58.134
2950123750	-62.581
2951549375	-36.292
2952975000	-37.041
2954400625	-69.927
2955826250	-36.3
2957251875	-34.616
2958677500	-36.179
2960103125	-44.603
2961528750	-38.82
2962954375	-42.792
2964380000	-57.884
2965805625	-38.187
2967231250	-39.102
2968656875	-35.621
2970082500	-66.863
2971508125	-59.113
2972933750	-61.237
2974359375	-73.604
2975785000	-64.556
2977210625	-65.693
2978636250	-65.137
2980061875	-62.738
2981487500	-71.377
2982913125	-69.983
2984338750	-87.507
2985764375	-81.048
2987190000	-58.502
2988615625	-59.876
2990041250	-53.74
2991466875	-44.877
2992892500	-46.807
2994318125	-62.417
2995743750	-63.049
2997169375	-49.709
2998595000	-33.271
3000020625	-15.374
3001446250	-13.949
3002871875	-18.947
3004297500	-40.466
3005723125	-49.22
3007148750	-41.309
3008574375	-51.413
3010000000	-25.295

[N right antpl]+[250ooLMR400]+[female thru]+[250ooLMR400]+[N right antpl]

NA	FW_VERSION		FW_DATE
HP8753ES		7.74	
DATE	TIME		
5 Jun 2007		14:40:27	
CHAN	MEAS		FORMAT
	1 S21		LOG_MAG
CHAN_START_FREQ	CHAN_STOP_FREQ		
1.000E+00	1.000E+07		
POINTS	POWER		
1.601E+03	0.00E+00		

FREQUENCY Hz	UNITS dB
6.828E+08	-90.215
6.832E+08	-92.983
6.837E+08	-100.44
6.841E+08	-100.92
6.845E+08	-110.85
6.850E+08	-100.43
6.854E+08	-108.15
6.858E+08	-91.204
6.863E+08	-96.445
6.867E+08	-99.751
6.872E+08	-101.61
6.876E+08	-95.341
6.880E+08	-100.48
6.885E+08	-100.28
6.889E+08	-112.71
6.893E+08	-118.94
6.898E+08	-102.17
6.902E+08	-104.05
6.907E+08	-99.824
6.911E+08	-107.21
6.915E+08	-113.06
6.920E+08	-107.43
6.924E+08	-113.37
6.928E+08	-100.83
6.933E+08	-97.006
6.937E+08	-92.921
6.941E+08	-91.114
6.946E+08	-100.7
6.950E+08	-92.589
6.955E+08	-94.383
6.959E+08	-91.845
6.963E+08	-94.423
6.968E+08	-97.026
6.972E+08	-89.961
6.976E+08	-100.74
6.981E+08	-94.141
6.985E+08	-100.9
6.990E+08	-104.03
6.994E+08	-93.74
6.998E+08	-94.793
7.003E+08	-110.33
7.007E+08	-92.985
7.011E+08	-105.75
7.016E+08	-102.62
7.020E+08	-97.841
7.024E+08	-105.69
7.029E+08	-100.79
7.033E+08	-98.394
7.038E+08	-100.81
7.042E+08	-114.54
7.046E+08	-113.12
7.051E+08	-127.41
7.055E+08	-97.843
7.059E+08	-100.29
7.064E+08	-92.512
7.068E+08	-103.41
7.073E+08	-95.06
7.077E+08	-97.389
7.081E+08	-96.232
7.086E+08	-94.293
7.090E+08	-90.198