NV8600 series Transmitter FCC Certification Application

CLASS 2 PERMISSIVE CHANGE APPLICATION EA129702

FOR

FCC ID: HFLNV8600FLO

TO ALLOW

USE OF ALTERNATE CHANNEL "MASK" FILTER

MEASUREMENT REPORT

FOR

DIELECTRIC 12-POLE CHANNEL "MASK" FILTER

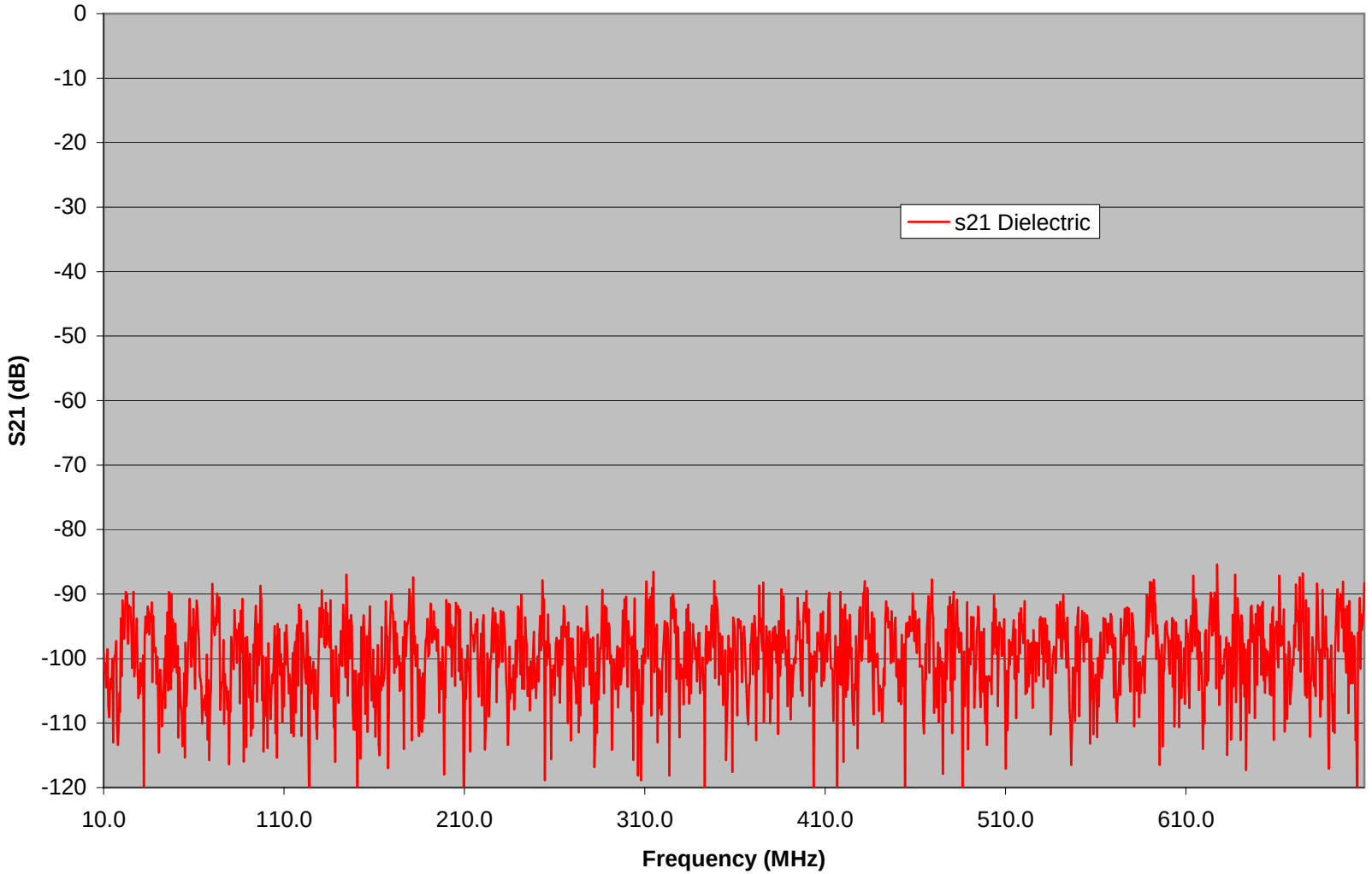
(FILTER USED FOR HFLNV8600FLO CERTIFICATION)

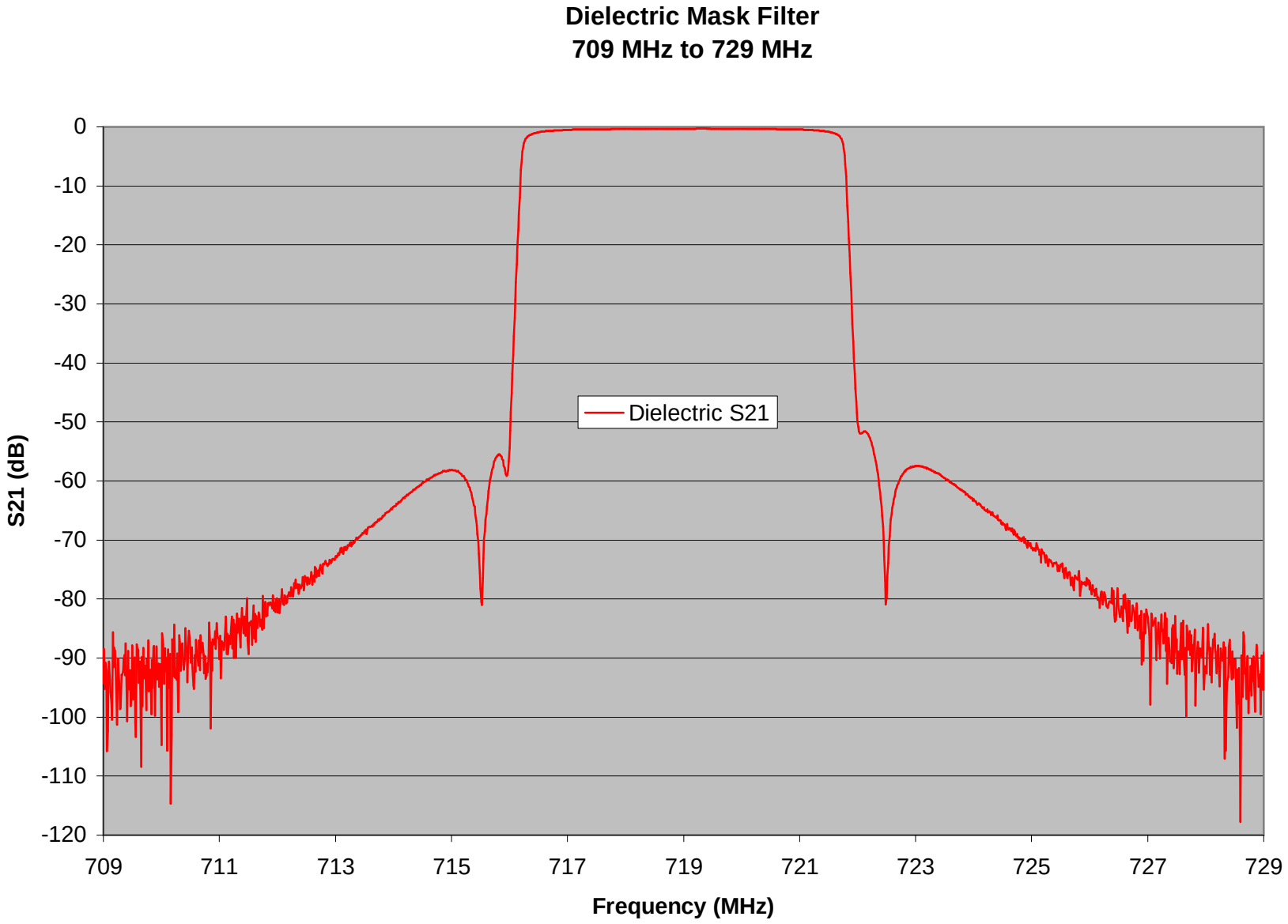
Manufacturer: Dielectric, Inc.
22 Tower Road
Raymond, ME 04071

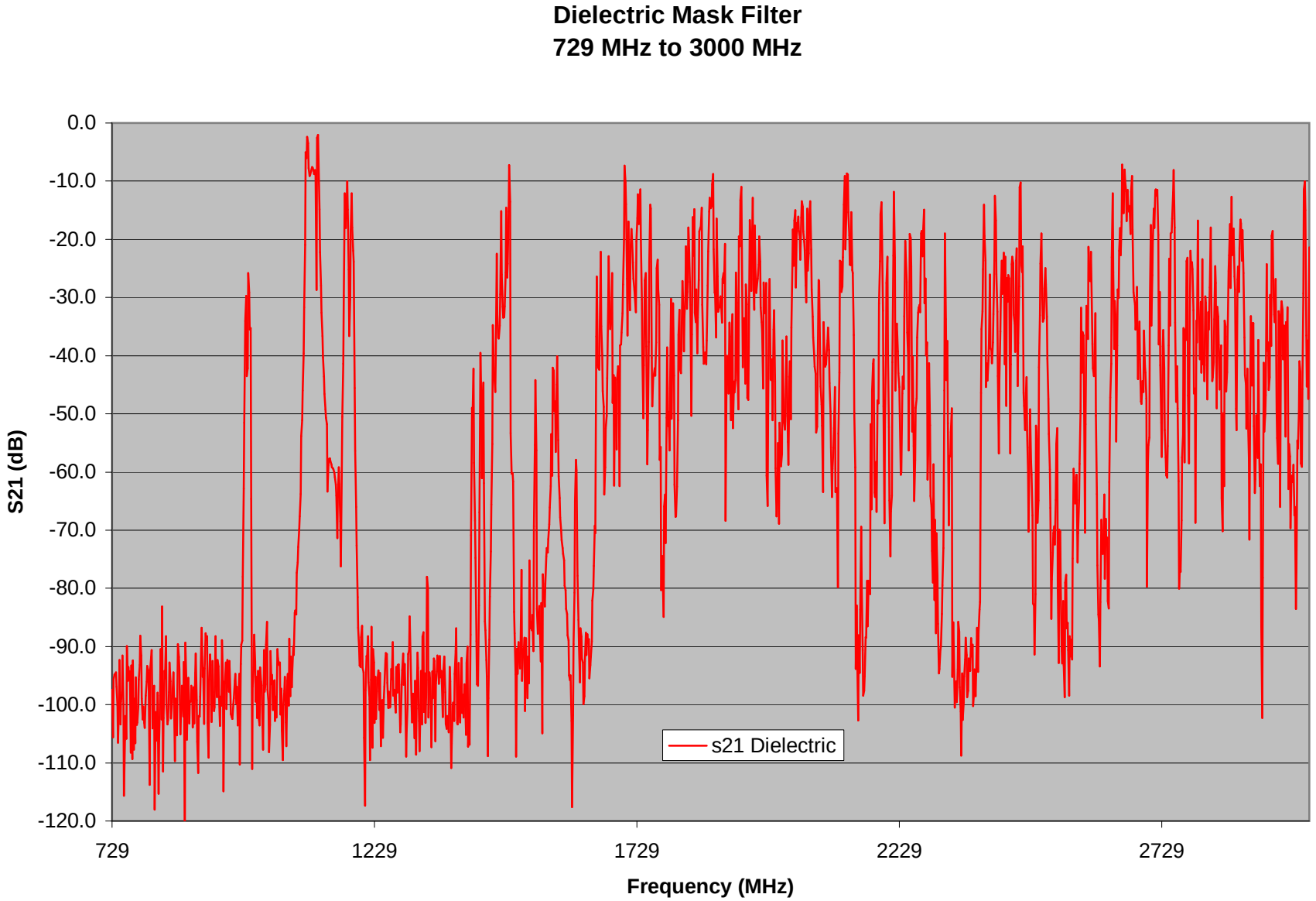
Model Number: 005A76501

19 February 2009

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

max=>
min=>

Frequency Hz	Frequency MHz	Freq MHz	Cable loss dB	Dielectric S21	Freq MHz	Cable loss	s21 Dielectric dB	Freq MHz	Cable loss	s21 Dielectric dB
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	714.206	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	-91.3	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	-90.0	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	-101.3	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

Block 1: [N right anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[N right angle]
NA HP8753ES; FW_VERSION 7.74; FW_DATE 30-Oct-02; DATE 4 Jun 2007; TIME 10:40:01; CHAN 1; MEAS S21; FORMAT LOG_MAG; CHAN_START_FREQ 10000000; CHAN_STOP_FREQ 3010000000; POINTS 1601; POWER 0.00E+00; IF_BW 300

Block 2: [N right anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[N right angle]
NA HP8753ES; FW_VERSION 7.74; FW_DATE 30-Oct-02; DATE 4 Jun 2007; TIME 11:05:31; CHAN 1; MEAS S21; FORMAT LOG_MAG; CHAN_START_FREQ 709000000; CHAN_STOP_FREQ 729000000; POINTS 1601; POWER 0.00E+00; IF_BW 300

Block 3: [25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+~~[fine match to antenna]~~+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]
NA HP8753ES; FW_VERSION 7.74; FW_DATE 30-Oct-02; DATE 4 Jun 2007; TIME 15:14:55; CHAN 1; MEAS S21; FORMAT LOG_MAG; CHAN_START_FREQ 709000000; CHAN_STOP_FREQ 729000000; POINTS 1601; POWER 0.00E+00; IF_BW 300

Block 4: [25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]
NA HP8753ES; FW_VERSION 7.74; FW_DATE 30-Oct-02; DATE 4 Jun 2007; TIME 16:42:18; CHAN 1; MEAS S21; FORMAT LOG_MAG; CHAN_START_FREQ 709000000; CHAN_STOP_FREQ 729000000; POINTS 1601; POWER 0.00E+00; IF_BW 300

Block 5: [25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]
NA HP8753ES; FW_VERSION 7.74; FW_DATE 30-Oct-02; DATE 4 Jun 2007; TIME 17:00:50; CHAN 1; MEAS S21; FORMAT LOG_MAG; CHAN_START_FREQ 10000000; CHAN_STOP_FREQ 3010000000; POINTS 1601; POWER 0.00E+00; IF_BW 300

Block 6: [25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]
NA HP8753ES; FW_VERSION 7.74; FW_DATE 3.76E+04; DATE 4 Jun 2007; TIME 17:10:10; CHAN 1; MEAS S21; FORMAT LOG_MAG; CHAN_START_FREQ 729000000; CHAN_STOP_FREQ 3010000000; POINTS 1601; POWER 0.00E+00; IF_BW 3.00E+02

Block 7:
NA HP8753ES; FW_VERSION 7.74; DATE 5 Jun 2007; TIME 14:40:27; CHAN 1.000E+00; MEAS S21; CHAN_START_FREQ 1.000E+07; CHAN_STOP_FREQ 709000000; POINTS 1.601E+03; POWER 0.00E+00

FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB
10000000	-0.3536	709000000	-1.8379	709000000	-96.096	709000000	-94.957	10000000	-114.54	729000000	-99.326	1.000E+07	-99.314
11875000	-0.3618	709012500	-1.8359	709012500	-90.297	709012500	-92.212	11875000	-101.84	730425625	-107.52	1.044E+07	-102.25
13750000	-0.3699	709025000	-1.8384	709025000	-97.053	709025000	-92.263	13750000	-100.05	731851250	-97.562	1.087E+07	-101.08
15625000	-0.3787	709037500	-1.8381	709037500	-92.596	709037500	-96.802	15625000	-100.27	733276875	-96.672	1.131E+07	-104.81
17500000	-0.388	709050000	-1.8361	709050000	-93.941	709050000	-92.841	17500000	-103.7	734702500	-96.697	1.175E+07	-104.5
19375000	-0.3972	709062500	-1.8366	709062500	-107.65	709062500	-99.501	19375000	-106.65	736128125	-96.344	1.218E+07	-98.948
21250000	-0.4064	709075000	-1.8358	709075000	-104.2	709075000	-90.187	21250000	-104.7	737553750	-98.813	1.262E+07	-107.59
23125000	-0.4165	709087500	-1.8351	709087500	-94.952	709087500	-94.222	23125000	-106.22	738979375	-102.06	1.306E+07	-109.44
25000000	-0.4268	709100000	-1.8335	709100000	-92.458	709100000	-100.87	25000000	-92.736	740405000	-108.47	1.350E+07	-105.2
26875000	-0.4367	709112500	-1.8354	709112500	-95.524	709112500	-93.02	26875000	-96.427	741830625	-101.81	1.393E+07	-103.53
28750000	-0.4469	709125000	-1.836	709125000	-97.583	709125000	-94.952	28750000	-99.228	743256250	-94.275	1.437E+07	-104.96
30625000	-0.4578	709137500	-1.8341	709137500	-99.417	709137500	-90.049	30625000	-103.69	744681875	-105.32	1.481E+07	-100.43
32500000	-0.4687	709150000	-1.8341	709150000	-102.3	709150000	-95.022	32500000	-99.118	746107500	-101.37	1.524E+07	-113.35
34375000	-0.4795	709162500	-1.8347	709162500	-87.492	709162500	-99.064	34375000	-97.876	747533125	-99.817	1.568E+07	-101.04
36250000	-0.4905	709175000	-1.8357	709175000	-93.369	709175000	-98.084	36250000	-90.999	748958750	-93.505	1.612E+07	-100.13
38125000	-0.5021	709187500	-1.8367	709187500	-90.042	709187500	-95.049	38125000	-97.583	750384375	-101.77	1.655E+07	-99.683
40000000	-0.5137	709200000	-1.8348	709200000	-90.668	709200000	-99.115	40000000	-104.4	751810000	-117.58	1.699E+07	-97.67
41875000	-0.5251	709212500	-1.8371	709212500	-92.941	709212500	-97.206	41875000	-112.86	753235625	-108.08	1.743E+07	-110.82
43750000	-0.5364	709225000	-1.837	709225000	-99.158	709225000	-98.351	43750000	-99.872	754661250	-103.88	1.786E+07	-113.78
45625000	-0.5478	709237500	-1.8343	709237500	-103.13	709237500	-96.131	45625000	-95.789	756086875	-107.76	1.830E+07	-111.29
47500000	-0.559	709250000	-1.8355	709250000	-91.91	709250000	-99.939	47500000	-92.446	757512500	-91.833	1.874E+07	-105.7
49375000	-0.5688	709262500	-1.8382	709262500	-94.317	709262500	-86.882	49375000	-98.605	758938125	-97.866	1.917E+07	-108.62
51250000	-0.5787	709275000	-1.8408	709275000	-96.781	709275000	-94.75	51250000	-103.04	760363750	-95.435	1.961E+07	-94.194
53125000	-0.5884	709287500	-1.8366	709287500	-100.51	709287500	-104.76	53125000	-105.87	761789375	-97.622	2.005E+07	-103.13
55000000	-0.5976	709300000	-1.84	709300000	-100.32	709300000	-96.048	55000000	-103.77	763215000	-96.221	2.049E+07	-91.386
56875000	-0.6066	709312500	-1.837	709312500	-94.654	709312500	-94.431	56875000	-94.691	764640625	-110.18	2.092E+07	-94.015
58750000	-0.6152	709325000	-1.8367	709325000	-94.786	709325000	-93.155	58750000	-104.62	766066250	-95.175	2.136E+07	-97.318
60625000	-0.6242	709337500	-1.8382	709337500	-94.139	709337500	-92.615	60625000	-96.239	767491875	-111.31	2.180E+07	-93.485
62500000	-0.6327	709350000	-1.8369	709350000	-92.075	709350000	-93.41	62500000	-99.326	768917500	-94.371	2.223E+07	-90.079
64375000	-0.6398	709362500	-1.8383	709362500	-91.33	709362500	-89.291	64375000	-102.2	770343125	-109.7	2.267E+07	-91.367
66250000	-0.6469	709375000	-1.837	709375000	-94.734	709375000	-103.52	66250000	-103.33	771768750	-100.93	2.311E+07	-90.415
68125000	-0.6543	709387500	-1.8352	709387500	-89.309	709387500	-92.14	68125000	-96.94	773194375	-108.62	2.354E+07	-98.095
70000000	-0.6612	709400000	-1.8365	709400000	-97.293	709400000	-94.786	70000000	-97.845	774620000	-97.288	2.398E+07	-92.157
71875000	-0.6676	709412500	-1.836	709412500	-102.52	709412500	-95.209	71875000	-96.759	776045625	-105.44	2.442E+07	-92.468
73750000	-0.6741	709425000	-1.8346	709425000	-90.653	709425000	-90.657	73750000	-99.248	777471250	-105.04	2.485E+07	-92.514
75625000	-0.6811	709437500	-1.8368	709437500	-97.102	709437500	-101.47	75625000	-97.589	778896875	-102.26	2.529E+07	-95.226
77500000	-0.6876	709450000	-1.8338	709450000	-97.164	709450000	-90.995	77500000	-95.734	780322500	-97.592	2.573E+07	-101.88
79375000	-0.6936	709462500	-1.8368	709462500	-93.919	709462500	-109.87	79375000	-101.25	781748125	-95.125	2.616E+07	-98.492
81250000	-0.6999	709475000	-1.8354	709475000	-99.959	709475000	-100.83	81250000	-98.789	783173750	-90.154	2.660E+07	-90.096
83125000	-0.7064	709487500	-1.8318	709487500	-98.159	709487500	-102.1	83125000	-99.995	784599375	-93.505	2.704E+07	-103.22
85000000	-0.7122	709500000	-1.8371	709500000	-89.715	709500000	-97.529	85000000	-100.97	786025000	-100.91	2.748E+07	-101.2
86875000	-0.7177	709512500	-1.8345	709512500	-98.864	709512500	-101.7	86875000	-100.96	787450625	-104.48	2.791E+07	-98.349
88750000	-0.7238	709525000	-1.8366	709525000	-92.582	709525000	-92.708	88750000	-108.71	788876250	-102.34	2.835E+07	-94.239
90625000	-0.73	709537500	-1.8341	709537500	-91.733	709537500	-93.989	90625000	-102.26	790301875	-105.14	2.879E+07	-100.99
92500000	-0.7355	709550000	-1.8383	709550000	-102.8	709550000	-87.535	92500000	-97.362	791727500	-106	2.922E+07	-106.59
94375000	-0.7409	709562500	-1.837	709562500	-105.18	709562500	-101.35	94375000	-92.529	793153125	-100.39	2.966E+07	-102.34
96250000	-0.7467	709575000	-1.8379	709575000	-89.486	709575000	-91.803	96250000	-101.37	794578750	-98.029	3.010E+07	-105.91
98125000	-0.7527	709587500	-1.8361	709587500	-90.178	709587500	-97.742	98125000	-99.888	796004375	-95.352	3.053E+07	-101.16
100000000	-0.7581	709600000	-1.8365	709600000	-90.44	709600000	-88.351	100000000	-101.36	797430000	-96.122	3.097E+07	-104.54
101875000	-0.7635	709612500	-1.8362	709612500	-96.03	709612500	-90.023	101875000	-113.87	798855625	-97.823	3.141E+07	-104.68
103750000	-0.7692	709625000	-1.8389	709625000	-92.435	709625000	-97.016	103750000	-148.37	800281250	-115.73	3.184E+07	-99.996
105625000	-0.7748	709637500	-1.838	709637500	-96.905	709637500	-95.784	105625000	-99.287	801706875	-95.893	3.228E+07	-121.31
107500000	-0.7799	709650000	-1.8379	709650000	-110.29	709650000	-91.642	107500000	-96.163	803132500	-93.801	3.272E+07	-97.194
109375000	-0.785	709662500	-1.8393	709662500	-91.698	709662500	-94.977	109375000	-98.949	804558125	-92.645	3.315E+07	-93.943
111250000	-0.7906	709675000	-1.8378	709675000	-99.973	709675000	-103.96	111250000	-101.64	805983750	-106.05	3.359E+07	-96.497
113125000	-0.796	709687500	-1.8364	709687500	-90.126	709687500	-105.02	113125000	-97.605	807409375	-100.64	3.403E+07	-96.332
115000000	-0.801	709700000	-1.8357	709700000	-95.276	709700000	-91.988	115000000	-102.78	808835000	-98.748	3.447E+07	-92.411
116875000	-0.8059	709712500	-1.8359	709712500	-94.736	709712500	-104.02	116875000	-126.9	810260625	-120.03	3.490E+07	-93.336
118750000	-0.8111	709725000	-1.8386	709725000	-93.155	709725000	-97.755	118750000	-98.651	811686250	-103.25	3.534E+07	-96.738
120625000	-0.8164	709737500	-1.8392	709737500	-100.71	709737500	-95.485	120625000	-98.795	813111875	-108.19	3.578E+07	-93.612
122500000	-0.8212	709750000	-1.835	709750000	-92.018	709750000	-91.814	122500000	-92.926	814537500	-105.62	3.621E+07	-94.618
124375000	-0.8257	709762500	-1.8343	709762500	-97.334	709762500	-90.364	124375000	-99.301	815963125	-99.922	3.665E+07	-91.802
126250000	-0.8309	709775000	-1.8368	709775000	-88.794	709775000	-92.668	126250000	-102.13	817388750	-117.33	3.709E+07	-104.17
128125000	-0.8359	709787500	-1.8375	709787500	-97.458	709787500	-99.859	128125000	-99.418	818814375	-108.32	3.752E+07	-93.916
130000000	-0.8406	709800000	-1.8359	709800000	-96.469	709800000	-90.884	130000000	-95.112	820240000	-100.44	3.796E+07	-99.448
131875000	-0.8455	709812500	-1.8387	709812500	-93.828	709812500	-95.496	131875000	-98.612	821665625	-92.43	3.840E+07	-98.759
133750000	-0.8506	709825000	-1.8351	709825000	-101.33	709825000	-91.451	133750000	-97.102	823091250	-104.54	3.883E+07	-98.866
135625000	-0.8557	709837500	-1.8382	709837500	-92.176	709837500	-106.38	135625000	-95.845	824516875	-85.123	3.927E+07	-104.43
137500000	-0.8602	709850000	-1.8356	709850000	-96.85	709850000	-87.28	137500000	-103.08	825942500	-113.5	3.971E+07	-100.22
139375000	-0.8648	709862500	-1.8365	709862500	-90.064	709862500	-90.891	139375000	-103.88	827368125	-104.32	4.014E+07	-106.29
141250000	-0.8698	709875000	-1.8374	709875000	-89.792	709875000	-91.503	141250000	-104.8	828793750	-96.222	4.058E+07	-115.07
143125000	-0.8746	709887500	-1.8373	709887500	-101.6	709887500	-99.618	143125000	-99.729	830219375	-97.5	4.102E+07	-103.08
145000000	-0.879	709900000	-1.8374	709900000	-96.073	709900000	-102.73	145000000	-95.042	831645000	-90.263	4.146E+07	-102.25
146875000	-0.8837	709912500	-1.8382	709912500	-89.881	709912500	-96.947	146875000	-98.344	833070625	-102.23	4.189E+07	-105.92
148750000	-0.8888	709925000	-1.8388	709925000	-93.587	709925000	-97.866	148750000	-111.95	834496250	-105.44	4.233E+07	-111
150625000	-0.8934	709937500	-1.8356	709937500	-95.421	709937500	-106.44	150625000	-106.62	835921875	-104.68	4.277E+07	-105.84
152500000	-0.8977	709950000	-1.838	709950000	-92.754	709950000	-92.803	152500000	-104.09	837347500	-99.916	4.320E+07	-106.68
154375000	-0.9023	709962500	-1.8395	709962500	-96.725	709962500	-94.696	154375000	-95.933	838773125	-94.8	4.364E+07	-100.56
156250000	-0.9074	709975000	-1.8392	709975000	-93.241	709975000	-92.694	156250000	-93.903	840198750	-98.019	4.408E+07	-108.18
158125000	-0.9119	709987500	-1.8375	709987500	-92.906	709987500	-89.951	158125000	-94.34	841624375	-104.41	4.451E+07	-97.044
160000000	-0.9161	710000000	-1.8406	710000000	-106.58	710000000	-92.411	160000000	-106.77	843050000	-101.56	4.495E+07	-104.04
161875000	-0.9207	710012500	-1.8365	710012500	-87.647	710012500	-96.751	161875000	-101.42	844475625	-100.43	4.539E+07	-93.392
163750000	-0.9256	710025000	-1.8394	710025000	-89.536	710025000	-96.982	163750000	-99.503	845901250	-96.478	4.582E+07	-105.5
165625000	-0.9301	710037500	-1.8397	710037500	-91.261	710037500	-96.744	165625000	-96.151	847326875	-100.49	4.626E+07	-90.235
167500000	-0.9346	710050000	-1.8364	710050000	-96.25	710050000	-92.879	167500000	-98.386	848752500	-111.75	4.670E+07	-97.078
169375000	-0.9392	710062500	-1.8377	710062500	-90.2	710062500	-101.62	169375000	-103	850178125	-100.99	4.713E+07	-105.31
171250000	-0.9439	710075000	-1.8382	710075000	-94.065	710075000	-108.04	171250000	-100.32	851603750	-101.74	4.757E+07	-90.544
173125000	-0.9482	710087500	-1.8376	710087500	-91.862	710087500	-98.982	173125000	-116.26	853029375	-107.28	4.801E+07	-102.51
175000000	-0.9523	710100000	-1.8356	710100000	-107.53	710100000	-95.257	175000000	-105.81	854455000	-91.682	4.845E+07	-94.523
176875000	-0.957	710112500	-1.838	710112500	-90.4	710112500	-95.55	176875000	-104.53	855880625	-93.874	4.888E+07	-98.061
178750000	-0.962	710125000	-1.8374	710125000	-96.894	710125000	-89.139	178750000	-99.139	857306250	-95.87	4.932E+07	-101.87
180625000	-0.9664	710137500	-1.8381	710137500	-91.912	710137500	-89.436	180625000	-94.143	858731875	-107.13	4.976E+07	-95.136
182500000	-0.9707	710150000	-1.8375	710150000	-91.12	710150000	-93.749	182500000	-94.889	860157500	-104.36	5.019E+07	-101.04
184375000	-0.9754	710162500	-1.8364	710162500	-116.55	710162500	-93.657	184375000	-97.529	861583125	-98.806	5.063E+07	-102.76
186250000	-0.9802	710175000	-1.8391	710175000	-104.89	710175000	-90.855	186250000	-105.57	863008750	-101.78	5.107E+07	-98.648
188125000	-0.9845	710187500	-1.8362	710187500	-88.68	710187500	-95.067	188125000	-100.26	864434375	-104.12	5.150E+07	-112.83
190000000	-0.9888	710200000	-1.8409	710200000	-89.765	710200000	-90.743	190000000	-114.38	865860000	-94.757	5.194E+07	-101.99
191875000	-0.9935	710212500	-1.841	710212500	-94.953	710212500	-92.664	191875000	-88.165	867285625	-126.56	5.238E+07	-104.35
193750000	-0.9981	710225000	-1.8415	710225000	-86.183	710225000	-94.327	193750000	-93.778	868711250	-91.409	5.281E+07	-108.01
195625000	-1.0022	710237500	-1.8401	710237500	-95.173	710237500	-90.743	195625000	-98.856	870136875	-97.821	5.325E+07	-108.91
197500000	-1.0063	710250000	-1.8388	710250000	-93.886	710250000	-88.219	197500000	-111.65	871562500	-108.14	5.369E+07	-114.18
199375000	-1.011	710262500	-1.841	710262500	-95.531	710262500	-91.028	199375000	-108.97	872988125	-101.39	5.412E+07	-113.71
201250000	-1.0155	710275000	-1.8404	710275000	-91.057	710275000	-94.619	201250000	-98.071	874413750	-97.415	5.456E+07	-102.9
203125000	-1.0195	710287500	-1.8403	710287500	-101	710287500	-96.163	203125000	-100.94	875839375	-105.26	5.500E+07	-115.94
205000000	-1.0237	710300000	-1.8395	710300000	-95.846	710300000	-108.08	205000000	-100.03	877265000	-101.43	5.544E+07	-98.132
206875000	-1.0284	710312500	-1.8395	710312500	-87.953	710312500	-90.586	206875000	-89.832	878690625	-101.58	5.587E+07	-107.95
208750000	-1.0327	710325000	-1.837	710325000	-89.993	710325000	-91.9	208750000	-103.9	880116250	-98.791	5.631E+07	-105.45
210625000	-1.0366	710337500	-1.8405	710337500	-93.946	710337500	-98.714	210625000	-115.69	881541875	-100.65	5.675E+07	-99.322
212500000	-1.0408	710350000	-1.8371	710350000	-89.978	710350000	-99.798	212500000	-99.983	882967500	-106	5.718E+07	-96.951
214375000	-1.0454	710362500	-1.8364	710362500	-89.37	710362500	-93.769	214375000	-98.514	884393125	-99.118	5.762E+07	-91.385

max=>
min=>

Frequency Hz	Frequency MHz	Freq MHz	Cable loss dB	Dielectric S21	Freq MHz	Cable loss	s21 Dielectric dB	Freq MHz	Cable loss	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	711.3	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 anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[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

[N right anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+ ~~[fine match to antenna]~~+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

NA	FW_VERSION	FW_DATE
HP8753ES	7.74	3.76E+04
DATE	TIME	
4 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

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

FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB
216250000	-1.0498	710375000	-1.8394	710375000	-92.99	710375000	-105.95	216250000	-96.218	885818750	-105.31	5.806E+07	-96.681
218125000	-1.0536	710387500	-1.839	710387500	-93.821	710387500	-102.54	218125000	-93.906	887244375	-96.593	5.849E+07	-101.87
220000000	-1.0576	710400000	-1.8398	710400000	-92.002	710400000	-88.798	220000000	-103.34	888670000	-93.261	5.893E+07	-95.849
221875000	-1.0622	710412500	-1.8386	710412500	-86.753	710412500	-93.084	221875000	-97.737	890095625	-101.28	5.937E+07	-100.24
223750000	-1.0663	710425000	-1.8401	710425000	-89.206	710425000	-87.943	223750000	-103.79	891521250	-108.51	5.980E+07	-92.97
225625000	-1.0699	710437500	-1.84	710437500	-90.813	710437500	-87.641	225625000	-99.312	892946875	-113.85	6.024E+07	-98.857
227500000	-1.0738	710450000	-1.839	710450000	-95.933	710450000	-93.998	227500000	-90.791	894372500	-104.07	6.068E+07	-105.3
229375000	-1.0782	710462500	-1.8399	710462500	-88.395	710462500	-90.885	229375000	-104.62	895798125	-104.15	6.111E+07	-96.347
231250000	-1.0821	710475000	-1.8389	710475000	-87.191	710475000	-90.909	231250000	-105.78	897223750	-100.71	6.155E+07	-91.639
233125000	-1.0856	710487500	-1.8426	710487500	-88.931	710487500	-87.936	233125000	-102.89	898649375	-92.354	6.199E+07	-92.844
235000000	-1.0894	710500000	-1.8331	710500000	-90.984	710500000	-94.713	235000000	-109.69	900075000	-88.922	6.243E+07	-95.976
236875000	-1.0936	710512500	-1.8399	710512500	-92.635	710512500	-96.346	236875000	-103.76	901500625	-97.294	6.286E+07	-97.65
238750000	-1.0973	710525000	-1.8396	710525000	-90.077	710525000	-91.486	238750000	-94.766	902926250	-95.758	6.330E+07	-103.37
240625000	-1.1006	710537500	-1.8405	710537500	-93.466	710537500	-87.913	240625000	-93.828	904351875	-105.44	6.374E+07	-103.87
242500000	-1.1042	710550000	-1.8432	710550000	-96.511	710550000	-97.147	242500000	-95.905	905777500	-95.854	6.417E+07	-104.99
244375000	-1.1081	710562500	-1.8441	710562500	-97.047	710562500	-92.882	244375000	-101.73	907203125	-89.801	6.461E+07	-110.69
246250000	-1.1117	710575000	-1.8412	710575000	-91.362	710575000	-89.148	246250000	-105.66	908628750	-90.986	6.505E+07	-107.07
248125000	-1.1151	710587500	-1.8435	710587500	-94.194	710587500	-91.92	248125000	-100.44	910054375	-90.318	6.548E+07	-107.03
250000000	-1.1187	710600000	-1.8424	710600000	-88.73	710600000	-89.758	250000000	-101.73	911480000	-105.26	6.592E+07	-108.59
251875000	-1.1227	710612500	-1.8452	710612500	-91.52	710612500	-89.723	251875000	-97.088	912905625	-111.23	6.636E+07	-106.33
253750000	-1.1262	710625000	-1.838	710625000	-91.791	710625000	-93.809	253750000	-92.469	914331250	-97.853	6.679E+07	-109.43
255625000	-1.1294	710637500	-1.8405	710637500	-93.089	710637500	-87.948	255625000	-101.85	915756875	-93.536	6.723E+07	-100.08
257500000	-1.1332	710650000	-1.8407	710650000	-88.876	710650000	-91.526	257500000	-104.35	917182500	-95.322	6.767E+07	-113.22
259375000	-1.1372	710662500	-1.8424	710662500	-93.882	710662500	-94.416	259375000	-115.52	918608125	-105.09	6.810E+07	-104.02
261250000	-1.1407	710675000	-1.8415	710675000	-88.026	710675000	-90.611	261250000	-105.49	920033750	-94.588	6.854E+07	-116.43
263125000	-1.1439	710687500	-1.8384	710687500	-90.937	710687500	-88.162	263125000	-97.569	921459375	-100.02	6.898E+07	-107.13
265000000	-1.1477	710700000	-1.8388	710700000	-89.835	710700000	-89.897	265000000	-96.044	922885000	-103.24	6.942E+07	-105.6
266875000	-1.1515	710712500	-1.8379	710712500	-89.26	710712500	-97.829	266875000	-95.367	924310625	-102.51	6.985E+07	-98.381
268750000	-1.1548	710725000	-1.8393	710725000	-91.257	710725000	-86.749	268750000	-107.41	925736250	-90.348	7.029E+07	-89.072
270625000	-1.158	710737500	-1.841	710737500	-94.438	710737500	-97.679	270625000	-103.51	927161875	-98.903	7.073E+07	-93.178
272500000	-1.1617	710750000	-1.8389	710750000	-91.466	710750000	-91.215	272500000	-99.94	928587500	-100.84	7.116E+07	-96.171
274375000	-1.1655	710762500	-1.8395	710762500	-95.315	710762500	-91.103	274375000	-99.766	930013125	-94.436	7.160E+07	-97.036
276250000	-1.1689	710775000	-1.8416	710775000	-94.767	710775000	-94.678	276250000	-104.6	931438750	-95.533	7.204E+07	-94.362
278125000	-1.1723	710787500	-1.8428	710787500	-92.766	710787500	-89.708	278125000	-96.179	932864375	-100.48	7.247E+07	-95.465
280000000	-1.1762	710800000	-1.8434	710800000	-94.252	710800000	-92.036	280000000	-99.848	934290000	-105.75	7.291E+07	-90.571
281875000	-1.1802	710812500	-1.8429	710812500	-91.582	710812500	-92.574	281875000	-126.22	935715625	-100.73	7.335E+07	-94.994
283750000	-1.1836	710825000	-1.844	710825000	-85.87	710825000	-92.024	283750000	-106.66	937141250	-102.34	7.378E+07	-92.464
285625000	-1.1871	710837500	-1.844	710837500	-89.607	710837500	-94.322	285625000	-101.78	938566875	-91.098	7.422E+07	-91.227
287500000	-1.1913	710850000	-1.8442	710850000	-103.77	710850000	-89.203	287500000	-98.165	939992500	-98.061	7.466E+07	-108.63
289375000	-1.1952	710862500	-1.8456	710862500	-89.163	710862500	-88.588	289375000	-93.254	941418125	-117	7.509E+07	-105.39
291250000	-1.1987	710875000	-1.8448	710875000	-93.988	710875000	-97.137	291250000	-125.42	942843750	-98.228	7.553E+07	-104.37
293125000	-1.2024	710887500	-1.8446	710887500	-88.702	710887500	-96.045	293125000	-105.06	944269375	-98.451	7.597E+07	-104.26
295000000	-1.2065	710900000	-1.8433	710900000	-89.306	710900000	-89.604	295000000	-105.9	945695000	-94.893	7.641E+07	-97.794
296875000	-1.2107	710912500	-1.8438	710912500	-89.565	710912500	-86.623	296875000	-101.72	947120625	-102.89	7.684E+07	-110.78
298750000	-1.2142	710925000	-1.848	710925000	-87.346	710925000	-87.676	298750000	-91.736	948546250	-94.506	7.728E+07	-103.08
300625000	-1.218	710937500	-1.8437	710937500	-90.329	710937500	-86.089	300625000	-102.83	949971875	-98.153	7.772E+07	-105.9
302500000	-1.2221	710950000	-1.8418	710950000	-85.9	710950000	-91.554	302500000	-92.018	951397500	-99.901	7.815E+07	-105.1
304375000	-1.2262	710962500	-1.8428	710962500	-87.414	710962500	-94.702	304375000	-97.952	952823125	-94.683	7.859E+07	-108.56
306250000	-1.2298	710975000	-1.8428	710975000	-88.352	710975000	-90.718	306250000	-119.58	954248750	-100.19	7.903E+07	-105.8
308125000	-1.2337	710987500	-1.8444	710987500	-88.566	710987500	-91.54	308125000	-102.2	955674375	-103.79	7.946E+07	-117.08
310000000	-1.2379	711000000	-1.8429	711000000	-91.972	711000000	-88.978	310000000	-102.86	957100000	-104.34	7.990E+07	-107.47
311875000	-1.242	711012500	-1.8444	711012500	-88.084	711012500	-90.479	311875000	-104.46	958525625	-104.61	8.034E+07	-108.92
313750000	-1.2455	711025000	-1.8398	711025000	-95.301	711025000	-88.287	313750000	-101.12	959951250	-102.1	8.077E+07	-97.338
315625000	-1.2492	711037500	-1.842	711037500	-89.044	711037500	-96.38	315625000	-96.957	961376875	-101.06	8.121E+07	-98.487
317500000	-1.2533	711050000	-1.8419	711050000	-89.621	711050000	-91.652	317500000	-99.615	962802500	-98.1	8.165E+07	-100.9
319375000	-1.2572	711062500	-1.84	711062500	-89.258	711062500	-87.871	319375000	-109.39	964228125	-96.848	8.208E+07	-102.34
321250000	-1.2604	711075000	-1.8439	711075000	-90.505	711075000	-88.025	321250000	-109.64	965653750	-101.96	8.252E+07	-93.14
323125000	-1.2639	711087500	-1.844	711087500	-89.824	711087500	-88.294	323125000	-103.24	967079375	-99.119	8.296E+07	-96.209
325000000	-1.268	711100000	-1.8423	711100000	-86.805	711100000	-87.144	325000000	-93.706	968505000	-105.71	8.340E+07	-96.26
326875000	-1.2718	711112500	-1.8455	711112500	-84.858	711112500	-86.548	326875000	-100.74	969930625	-101.55	8.383E+07	-101.36
328750000	-1.2753	711125000	-1.8448	711125000	-91.172	711125000	-87.607	328750000	-99.792	971356250	-96.911	8.427E+07	-96.57
330625000	-1.2789	711137500	-1.8437	711137500	-87.759	711137500	-93.138	330625000	-107.51	972781875	-112.5	8.471E+07	-96.807
332500000	-1.283	711150000	-1.8439	711150000	-91.146	711150000	-91.106	332500000	-96.876	974207500	-95.194	8.514E+07	-95.295
334375000	-1.2869	711162500	-1.8459	711162500	-89.463	711162500	-90.064	334375000	-90.085	975633125	-91.831	8.558E+07	-107.65
336250000	-1.2902	711175000	-1.846	711175000	-88.042	711175000	-86.705	336250000	-114.34	977058750	-91.174	8.602E+07	-93.281
338125000	-1.2936	711187500	-1.8403	711187500	-89.464	711187500	-85.749	338125000	-100.77	978484375	-80.185	8.645E+07	-99.724
340000000	-1.2974	711200000	-1.8439	711200000	-87.327	711200000	-85.844	340000000	-96.377	979910000	-65.066	8.689E+07	-91.498
341875000	-1.3009	711212500	-1.8452	711212500	-84.838	711212500	-86.303	341875000	-107.47	981335625	-53.692	8.733E+07	-102.27
343750000	-1.3041	711225000	-1.8439	711225000	-90.184	711225000	-86.066	343750000	-102.43	982761250	-36.293	8.776E+07	-116.7
345625000	-1.3076	711237500	-1.8435	711237500	-85.312	711237500	-89.305	345625000	-99.867	984186875	-31.922	8.820E+07	-104.27
347500000	-1.3112	711250000	-1.8457	711250000	-91.86	711250000	-84.837	347500000	-109.31	985612500	-45.717	8.864E+07	-97.569
349375000	-1.3144	711262500	-1.8432	711262500	-86.143	711262500	-89.9	349375000	-89.697	987038125	-44.358	8.907E+07	-114.46
351250000	-1.3176	711275000	-1.8423	711275000	-90.974	711275000	-90.15	351250000	-111.87	988463750	-28.001	8.951E+07	-97.385
353125000	-1.3208	711287500	-1.8431	711287500	-91.847	711287500	-87.793	353125000	-92.604	989889375	-31.347	8.995E+07	-101.42
355000000	-1.3244	711300000	-1.8437	711300000	-84.265	711300000	-87.018	355000000	-106.35	991315000	-37.7	9.039E+07	-104.86
356875000	-1.3276	711312500	-1.8422	711312500	-87.554	711312500	-86.547	356875000	-100.04	992740625	-37.477	9.082E+07	-106.77
358750000	-1.3306	711325000	-1.8424	711325000	-86.226	711325000	-84.928	358750000	-103.87	994166250	-66.819	9.126E+07	-100.02
360625000	-1.3339	711337500	-1.8431	711337500	-85.177	711337500	-90.065	360625000	-94.65	995591875	-113.31	9.170E+07	-112.71
362500000	-1.3374	711350000	-1.8416	711350000	-86.664	711350000	-87.764	362500000	-105.22	997017500	-99.064	9.213E+07	-105.85
364375000	-1.3406	711362500	-1.8423	711362500	-90.074	711362500	-90.218	364375000	-101.35	998443125	-95.802	9.257E+07	-111.51
366250000	-1.3436	711375000	-1.8428	711375000	-86.313	711375000	-86.819	366250000	-98.012	999868750	-90.154	9.301E+07	-98.57
368125000	-1.3468	711387500	-1.8443	711387500	-83.322	711387500	-85.29	368125000	-97.4	1001294375	-94.76	9.344E+07	-104.6
370000000	-1.3502	711400000	-1.8435	711400000	-85.161	711400000	-84.717	370000000	-102.05	1002720000	-101.7	9.388E+07	-96.129
371875000	-1.3534	711412500	-1.8432	711412500	-87.679	711412500	-85.94	371875000	-102.81	1004145625	-97.43	9.432E+07	-92.563
373750000	-1.3564	711425000	-1.8442	711425000	-87.311	711425000	-86.575	373750000	-93.783	1005571250	-104.47	9.475E+07	-95.549
375625000	-1.3598	711437500	-1.8424	711437500	-84.843	711437500	-86.903	375625000	-98.388	1006996875	-96.388	9.519E+07	-107.41
377500000	-1.3633	711450000	-1.8411	711450000	-88.072	711450000	-85.861	377500000	-101.77	1008422500	-104.4	9.563E+07	-95.409
379375000	-1.3665	711462500	-1.8499	711462500	-85.245	711462500	-87.97	379375000	-106.46	1009848125	-105.77	9.606E+07	-101.73
381250000	-1.3697	711475000	-1.8466	711475000	-81.717	711475000	-86.197	381250000	-102.85	1011273750	-95.846	9.650E+07	-99.995
383125000	-1.3732	711487500	-1.847	711487500	-88.807	711487500	-86.472	383125000	-96.531	1012699375	-98.32	9.694E+07	-89.461
385000000	-1.3768	711500000	-1.8452	711500000	-91.138	711500000	-85.72	385000000	-96.728	1014125000	-98.9	9.738E+07	-91.809
386875000	-1.3799	711512500	-1.8452	711512500	-85.946	711512500	-84.869	386875000	-97.355	1015550625	-106.15	9.781E+07	-107.23
388750000	-1.383	711525000	-1.8453	711525000	-85.846	711525000	-88.192	388750000	-100.3	1016976250	-109.98	9.825E+07	-100.37
390625000	-1.3866	711537500	-1.844	711537500	-86.279	711537500	-87.054	390625000	-125.33	1018401875	-92.874	9.869E+07	-115.17
392500000	-1.3902	711550000	-1.8493	711550000	-85.611	711550000	-85.806	392500000	-104.65	1019827500	-99.992	9.912E+07	-108.53
394375000	-1.3931	711562500	-1.8427	711562500	-89.603	711562500	-86.362	394375000	-95.923	1021253125	-98.765	9.956E+07	-109.63
396250000	-1.3962	711575000	-1.8444	711575000	-86.066	711575000	-86.749	396250000	-93.01	1022678750	-91.94	1.000E+08	-100.59
398125000	-1.4	711587500	-1.8476	711587500	-82.927	711587500	-85.047	398125000	-99.481	1024104375	-88.011	1.004E+08	-103.97
400000000	-1.4037	711600000	-1.8447	711600000	-88.478	711600000	-85.893	400000000	-107.26	1025530000	-99.682	1.009E+08	-114.65
401875000	-1.4068	711612500	-1.8459	711612500	-84.391	711612500	-85.164	401875000	-104.44	1026955625	-101.79	1.013E+08	-98.378
403750000	-1.41	711625000	-1.8436	711625000	-89.097	711625000	-87.461	403750000	-101.44	1028381250	-110.43	1.017E+08	-105.55
405625000	-1.4137	711637500	-1.8395	711637500	-84.761	711637500	-83.678	405625000	-100.43	1029806875	-105.77	1.022E+08	-105.88
407500000	-1.4172	711650000	-1.8449	711650000	-86.8	711650000	-83.252	407500000	-100.27	1031232500	-93.024	1.026E+08	-110.15
409375000	-1.4203	711662500	-1.8439	711662500	-86.234	711662500	-83.127	409375000	-97.112	1032658125	-98.769	1.031E+08	-105.5
411250000	-1.4237	711675000	-1.8422	711675000	-84.111	711675000	-83.914	411250000	-97.085	1034083750	-97.103	1.035E+08	-103.22
413125000	-1.4276	711687500	-1.8475	711687500	-84.655	711687500	-84.585	413125000	-99.844	1035509375	-103.15	1.039E+08	-104.62
415000000	-1.4314	711700000	-1.8491	711700000	-86.476	711700000	-84.257	415000000	-106.9	1036935000	-98.328	1.044E+08	-100.47
416875000	-1.4346	711712500	-1.8463	711712500	-85.37	711712500	-85.879	416875000	-98.842	1038360625	-98.094	1.048E+08	-95.73
418750000	-1.4379	711725000	-1.8508	711725000	-85.895	711725000	-83.817	418750000	-97.095	1039786250	-105.09	1.052E+08	-112.32
420625000	-1.4419	711737500	-1.8438	711737500	-87.072	711737500	-86.421	420625000	-94.289	1041211875	-100.92	1.057E+08	-97.256

[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	

max=>
min=>

Frequency Hz	Frequency MHz	Freq MHz	Cable loss dB	Dielectric S21	Freq MHz	Cable loss	s21 Dielectric dB	Freq MHz	Cable loss	s21 Dielectric dB
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	-101.5	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	1.9	-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	-96.6	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	-101.3
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	-93.9	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	714.3	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	-101.9	1346.3	2.6	-96.3
716712500	716.713	714.4	1.8	-61.0	199.6	1.0	-106.1	1347.7	2.6	-94.3
716718750	716.719	714.4	1.8	-60.9	200.0	1.0	-90.9	1349.1	2.6	-91.5
716725000	716.725	714.5	1.8	-60.8	200.5	1.0	-93.6	1350.6	2.6	-92.7
716731250	716.731	714.5	1.8	-60.7	200.9	1.0	-97.9	1352.0	2.6	-96.4
716737500	716.738	714.5	1.8	-60.7	201.4	1.0	-91.5	1353.4	2.6	-91.6
716743750	716.744	714.5	1.8	-60.4	201.8	1.0	-91.6	1354.8	2.6	-95.3

[N right anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[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

[N right anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+ ~~[fine match to antenna]~~+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

NA	FW_VERSION	FW_DATE
HP8753ES	7.74	3.76E+04
DATE	TIME	
4 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

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

FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB
628750000	-1.7625	713125000	-1.8474	713125000	-73.907	713125000	-73.815	628750000	-99.523	1199456250	-92.79	1.542E+08	-94.22
630625000	-1.7646	713137500	-1.8472	713137500	-74.152	713137500	-73.223	630625000	-101.07	1200881875	-95.663	1.546E+08	-98.15
632500000	-1.7672	713150000	-1.8468	713150000	-73.059	713150000	-73.4	632500000	-96.937	1202307500	-95.982	1.550E+08	-109.49
634375000	-1.77	713162500	-1.8449	713162500	-73.498	713162500	-73.297	634375000	-97.707	1203733125	-90.808	1.555E+08	-106.26
636250000	-1.7725	713175000	-1.8474	713175000	-72.982	713175000	-73.22	636250000	-99.133	1205158750	-88.899	1.559E+08	-97.437
638125000	-1.7746	713187500	-1.8447	713187500	-73.501	713187500	-73.126	638125000	-100.53	1206584375	-96.118	1.564E+08	-112.26
640000000	-1.777	713200000	-1.8435	713200000	-73.216	713200000	-72.519	640000000	-101.08	1208010000	-96.891	1.568E+08	-103.9
641875000	-1.7797	713212500	-1.8452	713212500	-72.772	713212500	-72.923	641875000	-107.09	1209435625	-108.15	1.572E+08	-96.921
643750000	-1.7824	713225000	-1.8462	713225000	-72.738	713225000	-72.921	643750000	-104.43	1210861250	-119.83	1.577E+08	-92.803
645625000	-1.7847	713237500	-1.8478	713237500	-72.845	713237500	-72.8	645625000	-100.29	1212286875	-100.01	1.581E+08	-102.4
647500000	-1.7871	713250000	-1.8456	713250000	-72.387	713250000	-72.709	647500000	-96.756	1213712500	-94.121	1.585E+08	-107.42
649375000	-1.7898	713262500	-1.846	713262500	-72.202	713262500	-72.471	649375000	-103.56	1215138125	-94.387	1.590E+08	-103.75
651250000	-1.7925	713275000	-1.8417	713275000	-72.889	713275000	-72.288	651250000	-92.652	1216563750	-90.654	1.594E+08	-99.574
653125000	-1.795	713287500	-1.8453	713287500	-72.277	713287500	-72.195	653125000	-102.82	1217989375	-98.589	1.598E+08	-108.42
655000000	-1.7977	713300000	-1.8455	713300000	-72.565	713300000	-72.094	655000000	-102.78	1219415000	-101.54	1.603E+08	-103.61
656875000	-1.8002	713312500	-1.8442	713312500	-72.148	713312500	-71.817	656875000	-102.58	1220840625	-112.02	1.607E+08	-113.02
658750000	-1.8027	713325000	-1.8463	713325000	-72.29	713325000	-71.967	658750000	-96.302	1222266250	-98.203	1.612E+08	-107.42
660625000	-1.8056	713337500	-1.8468	713337500	-71.996	713337500	-71.784	660625000	-94.763	1223691875	-89.114	1.616E+08	-102.84
662500000	-1.8085	713350000	-1.8457	713350000	-71.76	713350000	-71.633	662500000	-91.65	1225117500	-109.87	1.620E+08	-98.814
664375000	-1.8112	713362500	-1.8473	713362500	-71.436	713362500	-71.668	664375000	-101.51	1226543125	-92.902	1.625E+08	-114.29
666250000	-1.8138	713375000	-1.8487	713375000	-71.708	713375000	-71.479	666250000	-101.69	1227968750	-95.224	1.629E+08	-115.93
668125000	-1.8168	713387500	-1.8512	713387500	-71.499	713387500	-71.44	668125000	-100.87	1229394375	-105.64	1.633E+08	-103.68
670000000	-1.82	713400000	-1.8443	713400000	-71.433	713400000	-71.476	670000000	-91.996	1230820000	-97.723	1.638E+08	-105.85
671875000	-1.823	713412500	-1.8464	713412500	-71.26	713412500	-71.019	671875000	-109.49	1232245625	-104.93	1.642E+08	-96.081
673750000	-1.8255	713425000	-1.847	713425000	-71.306	713425000	-70.754	673750000	-99.092	1233671250	-100.15	1.647E+08	-105.18
675625000	-1.8284	713437500	-1.846	713437500	-71.029	713437500	-70.968	675625000	-96.477	1235096875	-98.271	1.651E+08	-104.55
677500000	-1.8317	713450000	-1.8448	713450000	-71.052	713450000	-70.782	677500000	-96.772	1236522500	-96.576	1.655E+08	-104.01
679375000	-1.8346	713462500	-1.8425	713462500	-70.669	713462500	-70.796	679375000	-112.26	1237948125	-103.38	1.660E+08	-100.54
681250000	-1.8372	713475000	-1.8446	713475000	-70.671	713475000	-70.801	681250000	-102.52	1239373750	-97.014	1.664E+08	-92.069
683125000	-1.8401	713487500	-1.8475	713487500	-70.745	713487500	-70.703	683125000	-111.17	1240799375	-109.59	1.668E+08	-97.434
685000000	-1.8433	713500000	-1.8479	713500000	-70.348	713500000	-70.481	685000000	-95.998	1242225000	-101.82	1.673E+08	-97.566
686875000	-1.8462	713512500	-1.8448	713512500	-70.497	713512500	-70.365	686875000	-100.53	1243650625	-101.7	1.677E+08	-117.94
688750000	-1.8487	713525000	-1.8441	713525000	-70.054	713525000	-70.322	688750000	-101.67	1245076250	-108.2	1.681E+08	-109.49
690625000	-1.851	713537500	-1.8427	713537500	-70.873	713537500	-70.036	690625000	-102.71	1246501875	-101.17	1.686E+08	-98.047
692500000	-1.8541	713550000	-1.8449	713550000	-70.043	713550000	-69.902	692500000	-107.62	1247927500	-99.418	1.690E+08	-93.725
694375000	-1.8574	713562500	-1.8453	713562500	-69.722	713562500	-70.217	694375000	-97.38	1249353125	-94.956	1.695E+08	-90.919
696250000	-1.86	713575000	-1.8454	713575000	-69.668	713575000	-69.804	696250000	-94.186	1250778750	-93.632	1.699E+08	-93.382
698125000	-1.8624	713587500	-1.842	713587500	-69.637	713587500	-70.064	698125000	-102.91	1252204375	-93.773	1.703E+08	-93.796
700000000	-1.8651	713600000	-1.8473	713600000	-69.653	713600000	-69.623	700000000	-103.92	1253630000	-98.759	1.708E+08	-97.693
701875000	-1.8675	713612500	-1.8426	713612500	-69.525	713612500	-69.662	701875000	-94.373	1255055625	-103.12	1.712E+08	-103.18
703750000	-1.8698	713625000	-1.8487	713625000	-69.477	713625000	-69.346	703750000	-106.89	1256481250	-100.31	1.716E+08	-95.216
705625000	-1.8722	713637500	-1.8459	713637500	-69.592	713637500	-69.388	705625000	-99.139	1257906875	-102.99	1.721E+08	-102.28
707500000	-1.8745	713650000	-1.8469	713650000	-69.214	713650000	-69.258	707500000	-94.243	1259332500	-102.82	1.725E+08	-97.044
709375000	-1.8768	713662500	-1.8466	713662500	-69.302	713662500	-69.007	709375000	-100.54	1260758125	-96.364	1.730E+08	-100.35
711250000	-1.8791	713675000	-1.8441	713675000	-68.987	713675000	-68.779	711250000	-84.807	1262183750	-98.125	1.734E+08	-101.96
713125000	-1.8816	713687500	-1.8489	713687500	-68.968	713687500	-68.835	713125000	-73.687	1263609375	-91.735	1.738E+08	-100.56
715000000	-1.8841	713700000	-1.8487	713700000	-68.795	713700000	-68.911	715000000	-62.77	1265035000	-100.98	1.743E+08	-105.96
716875000	-1.8863	713712500	-1.8447	713712500	-68.894	713712500	-68.64	716875000	-17.03	1266460625	-99.935	1.747E+08	-101.58
718750000	-1.8885	713725000	-1.8438	713725000	-68.59	713725000	-68.646	718750000	-5.9445	1267886250	-101.7	1.751E+08	-105.22
720625000	-1.8908	713737500	-1.8469	713737500	-68.372	713737500	-68.58	720625000	-8.8238	1269311875	-103.83	1.756E+08	-105.65
722500000	-1.8931	713750000	-1.8438	713750000	-68.533	713750000	-68.18	722500000	-62.383	1270737500	-96.002	1.760E+08	-97.656
724375000	-1.8949	713762500	-1.8476	713762500	-68.38	713762500	-68.498	724375000	-68.153	1272163125	-100.49	1.764E+08	-114.98
726250000	-1.8969	713775000	-1.8451	713775000	-68.198	713775000	-68.157	726250000	-81.768	1273588750	-95.683	1.769E+08	-95.188
728125000	-1.8994	713787500	-1.8449	713787500	-68.238	713787500	-67.819	728125000	-94.396	1275014375	-95.567	1.773E+08	-97.011
730000000	-1.9016	713800000	-1.8447	713800000	-68.173	713800000	-68.006	730000000	-101.14	1276440000	-99.123	1.778E+08	-100.58
731875000	-1.9034	713812500	-1.8437	713812500	-67.754	713812500	-67.895	731875000	-98.159	1277865625	-107.31	1.782E+08	-95.481
733750000	-1.9056	713825000	-1.8435	713825000	-67.804	713825000	-67.83	733750000	-97.268	1279291250	-105.86	1.786E+08	-95.598
735625000	-1.9084	713837500	-1.8439	713837500	-67.633	713837500	-67.546	735625000	-96.209	1280716875	-99.134	1.791E+08	-94.872
737500000	-1.9111	713850000	-1.8409	713850000	-67.557	713850000	-67.299	737500000	-98.177	1282142500	-96.613	1.795E+08	-90.241
739375000	-1.9128	713862500	-1.8457	713862500	-67.331	713862500	-67.36	739375000	-107.33	1283568125	-93.754	1.799E+08	-91.527
741250000	-1.9146	713875000	-1.8426	713875000	-67.226	713875000	-67.402	741250000	-110.12	1284993750	-99.076	1.804E+08	-100.88
743125000	-1.9168	713887500	-1.8457	713887500	-67.193	713887500	-66.904	743125000	-97.038	1286419375	-95.561	1.808E+08	-113.63
745000000	-1.9189	713900000	-1.8429	713900000	-67.072	713900000	-66.988	745000000	-96.926	1287845000	-98.898	1.813E+08	-98.174
746875000	-1.9208	713912500	-1.8457	713912500	-67.101	713912500	-66.991	746875000	-90.922	1289270625	-111.46	1.817E+08	-88.376
748750000	-1.9227	713925000	-1.8439	713925000	-67.005	713925000	-66.728	748750000	-92.743	1290696250	-107.08	1.821E+08	-100.16
750625000	-1.9252	713937500	-1.8461	713937500	-66.837	713937500	-66.701	750625000	-95.605	1292121875	-102.42	1.826E+08	-97.482
752500000	-1.9278	713950000	-1.8457	713950000	-66.678	713950000	-66.588	752500000	-110.75	1293547500	-93.883	1.830E+08	-102.14
754375000	-1.9298	713962500	-1.8469	713962500	-66.481	713962500	-66.593	754375000	-97.915	1294973125	-93.256	1.834E+08	-101.03
756250000	-1.9314	713975000	-1.8464	713975000	-66.638	713975000	-66.43	756250000	-90.513	1296398750	-87.345	1.839E+08	-98.8
758125000	-1.9335	713987500	-1.849	713987500	-66.339	713987500	-66.351	758125000	-89.61	1297824375	-94.723	1.843E+08	-110.23
760000000	-1.9357	714000000	-1.8458	714000000	-66.221	714000000	-66.296	760000000	-90.074	1299250000	-102.84	1.848E+08	-112.99
761875000	-1.9379	714012500	-1.8451	714012500	-66.106	714012500	-66.11	761875000	-100.91	1300675625	-105.58	1.852E+08	-102.72
763750000	-1.9403	714025000	-1.8476	714025000	-66.154	714025000	-66.005	763750000	-102.49	1302101250	-100.69	1.856E+08	-112.06
765625000	-1.9426	714037500	-1.845	714037500	-66.055	714037500	-65.793	765625000	-102.5	1303526875	-102.09	1.861E+08	-104
767500000	-1.9449	714050000	-1.8459	714050000	-65.686	714050000	-65.898	767500000	-98.966	1304952500	-108.36	1.865E+08	-112.33
769375000	-1.9475	714062500	-1.8451	714062500	-65.778	714062500	-65.507	769375000	-98.011	1306378125	-98.42	1.869E+08	-103.3
771250000	-1.9504	714075000	-1.8444	714075000	-65.721	714075000	-65.598	771250000	-95.147	1307803750	-111.11	1.874E+08	-110.3
773125000	-1.953	714087500	-1.8441	714087500	-65.409	714087500	-65.694	773125000	-98.025	1309229375	-103.21	1.878E+08	-106.33
775000000	-1.9552	714100000	-1.8467	714100000	-65.335	714100000	-65.499	775000000	-115	1310655000	-93.636	1.882E+08	-99.91
776875000	-1.9575	714112500	-1.8445	714112500	-65.419	714112500	-65.301	776875000	-99.391	1312080625	-96.231	1.887E+08	-98.219
778750000	-1.9603	714125000	-1.8426	714125000	-65.304	714125000	-65.242	778750000	-103.9	1313506250	-105.37	1.891E+08	-97.773
780625000	-1.9631	714137500	-1.8435	714137500	-65.126	714137500	-65.291	780625000	-104.95	1314931875	-110.53	1.896E+08	-94.857
782500000	-1.9655	714150000	-1.8443	714150000	-65.019	714150000	-64.977	782500000	-102.06	1316357500	-102.72	1.900E+08	-100.72
784375000	-1.9677	714162500	-1.8463	714162500	-64.767	714162500	-64.917	784375000	-93.437	1317783125	-96.74	1.904E+08	-100.3
786250000	-1.9703	714175000	-1.8436	714175000	-64.689	714175000	-64.931	786250000	-99.458	1319208750	-105.93	1.909E+08	-96.952
788125000	-1.9731	714187500	-1.843	714187500	-64.72	714187500	-64.882	788125000	-107.19	1320634375	-90.879	1.913E+08	-92.476
790000000	-1.9752	714200000	-1.8456	714200000	-64.524	714200000	-64.658	790000000	-100.71	1322060000	-90.151	1.917E+08	-97.877
791875000	-1.977	714212500	-1.8457	714212500	-64.415	714212500	-64.523	791875000	-96.303	1323485625	-103.86	1.922E+08	-98.493
793750000	-1.9793	714225000	-1.8452	714225000	-64.37	714225000	-64.424	793750000	-101.54	1324911250	-97.168	1.926E+08	-97.517
795625000	-1.9817	714237500	-1.8458	714237500	-64.158	714237500	-64.376	795625000	-98.793	1326336875	-105.75	1.931E+08	-93.655
797500000	-1.9833	714250000	-1.8426	714250000	-64.229	714250000	-64.245	797500000	-109.49	1327762500	-98.318	1.935E+08	-97.969
799375000	-1.9847	714262500	-1.8446	714262500	-64.068	714262500	-64.149	799375000	-101.28	1329188125	-80.614	1.939E+08	-96.147
801250000	-1.9869	714275000	-1.8442	714275000	-63.93	714275000	-64.124	801250000	-104	1330613750	-82.594	1.944E+08	-97.01
803125000	-1.9898	714287500	-1.8452	714287500	-63.938	714287500	-64.098	803125000	-100.68	1332039375	-104.76	1.948E+08	-99.803
805000000	-1.9924	714300000	-1.8436	714300000	-63.758	714300000	-63.925	805000000	-106.16	1333465000	-97.066	1.952E+08	-96.52
806875000	-1.9946	714312500	-1.8495	714312500	-63.75	714312500	-63.538	806875000	-99.052	1334890625	-98.057	1.957E+08	-100.36
808750000	-1.9969	714325000	-1.8457	714325000	-63.547	714325000	-63.942	808750000	-96.677	1336316250	-103.95	1.961E+08	-109.36
810625000	-1.9992	714337500	-1.8468	714337500	-63.428	714337500	-63.504	810625000	-102.29	1337741875	-109.86	1.965E+08	-101.55
812500000	-2.0013	714350000	-1.8462	714350000	-63.339	714350000	-63.399	812500000	-96.636	1339167500	-96.849	1.970E+08	-102.3
814375000	-2.003	714362500	-1.847	714362500	-63.293	714362500	-63.389	814375000	-101.93	1340593125	-101.5	1.974E+08	-105.73
816250000	-2.0047	714375000	-1.8449	714375000	-63.214	714375000	-63.36	816250000	-90.583	1342018750	-94.69	1.979E+08	-99.234
818125000	-2.007	714387500	-1.8453	714387500	-63.027	714387500	-63.2	818125000	-93.494	1343444375	-95.078	1.983E+08	-103.27
820000000	-2.0091	714400000	-1.8431	714400000	-62.948	714400000	-63.188	820000000	-101.85	1344870000	-108.91	1.987E+08	-118.97
821875000	-2.0111	714412500	-1.8433	714412500	-62.859	714412500	-63.007	821875000	-96.74	1346295625	-98.882	1.992E+08	-102.92
823750000	-2.0129	714425000	-1.8435	714425000	-62.809	714425000	-62.898	823750000	-89.005	1347721250	-96.917	1.996E+08	-107.11
825625000	-2.0148	714437500	-1.8406	714437500	-62.741	714437500	-62.869	825625000	-86.591	1349146875	-94.141	2.000E+08	-91.938
827500000	-2.0166	714450000	-1.8424	714450000	-62.593	714450000	-62.792	827500000	-99.299	1350572500	-95.321	2.005E+08	-94.575
829375000	-2.0183	714462500	-1.8438	714462500	-62.534	714462500	-62.571	829375000	-97.007	1351998125	-98.97	2.009E+08	-98.921
831250000	-2.02	714475000	-1.844	714475000	-62.508	714475000	-62.459	831250000	-93.214	1353423750	-94.213	2.014E+08	-92.54
833125000	-2.0217	714487500	-1.8414	714487500	-62.275	714487500	-62.483	833125000	-91.227	1354849375	-97.903	2.018E+08	-92.628

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	s21 Dielectric dB	Freq MHz	Cable loss	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	-96.9	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	716.5	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	716.9	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	-107.6	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 anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[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

[N right anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+~~[fine match to antenna]~~+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

NA	FW_VERSION	FW_DATE
HP8753ES	7.74	3.76E+04
DATE	TIME	
4 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

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

FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB
1041250000	-2.2733	715875000	-1.8464	715875000	-58.159	715875000	-58.28	1041250000	-102.86	1513093750	-94.28	2.503E+08	-101.93
1043125000	-2.2751	715887500	-1.8449	715887500	-58.349	715887500	-58.742	1043125000	-106.84	1514519375	-91.268	2.507E+08	-100.79
1045000000	-2.2774	715900000	-1.842	715900000	-59.288	715900000	-59.072	1045000000	-100.51	1515945000	-103.84	2.512E+08	-104.67
1046875000	-2.28	715912500	-1.8459	715912500	-59.576	715912500	-59.555	1046875000	-112.51	1517370625	-91.353	2.516E+08	-97.579
1048750000	-2.2818	715925000	-1.8433	715925000	-60.061	715925000	-60.101	1048750000	-98.387	1518796250	-97.216	2.520E+08	-94.519
1050625000	-2.2831	715937500	-1.8414	715937500	-60.673	715937500	-60.502	1050625000	-97.027	1520221875	-101.63	2.525E+08	-99.828
1052500000	-2.2852	715950000	-1.8445	715950000	-61.017	715950000	-60.824	1052500000	-100.35	1521647500	-94.507	2.529E+08	-99.018
1054375000	-2.2884	715962500	-1.8412	715962500	-60.826	715962500	-60.665	1054375000	-103.04	1523073125	-99.064	2.533E+08	-88.993
1056250000	-2.2915	715975000	-1.8426	715975000	-60.068	715975000	-60.044	1056250000	-101.88	1524498750	-77.963	2.538E+08	-92.444
1058125000	-2.2939	715987500	-1.8397	715987500	-58.527	715987500	-58.367	1058125000	-90.983	1525924375	-89.605	2.542E+08	-91.923
1060000000	-2.2956	716000000	-1.8412	716000000	-56.154	716000000	-55.843	1060000000	-103.84	1527350000	-88.554	2.547E+08	-119.98
1061875000	-2.2977	716012500	-1.8412	716012500	-53.266	716012500	-53.02	1061875000	-105.67	1528775625	-89.943	2.551E+08	-98.484
1063750000	-2.2997	716025000	-1.8429	716025000	-50.158	716025000	-49.972	1063750000	-98.595	1530201250	-87.365	2.555E+08	-102.15
1065625000	-2.3011	716037500	-1.8405	716037500	-46.899	716037500	-46.737	1065625000	-102.31	1531626875	-93.581	2.560E+08	-100.41
1067500000	-2.3021	716050000	-1.8424	716050000	-43.681	716050000	-43.479	1067500000	-96.47	1533052500	-72.125	2.564E+08	-94.301
1069375000	-2.3037	716062500	-1.8429	716062500	-40.465	716062500	-40.269	1069375000	-94.83	1534478125	-58.16	2.568E+08	-100.92
1071250000	-2.306	716075000	-1.8416	716075000	-37.31	716075000	-37.084	1071250000	-97.716	1535903750	-46.958	2.573E+08	-98.923
1073125000	-2.308	716087500	-1.8437	716087500	-34.215	716087500	-33.97	1073125000	-98.979	1537329375	-59.1	2.577E+08	-102.22
1075000000	-2.3091	716100000	-1.8435	716100000	-31.147	716100000	-30.91	1075000000	-94.131	1538755000	-86.32	2.581E+08	-116.7
1076875000	-2.3104	716112500	-1.8462	716112500	-28.136	716112500	-27.888	1076875000	-91.083	1540180625	-90.571	2.586E+08	-102.9
1078750000	-2.3126	716125000	-1.8455	716125000	-25.168	716125000	-24.914	1078750000	-84.496	1541606250	-87.382	2.590E+08	-105.53
1080625000	-2.315	716137500	-1.8445	716137500	-22.245	716137500	-21.989	1080625000	-82.866	1543031875	-85.857	2.595E+08	-102.21
1082500000	-2.3161	716150000	-1.8444	716150000	-19.365	716150000	-19.116	1082500000	-79.539	1544457500	-89.819	2.599E+08	-106.82
1084375000	-2.3162	716162500	-1.8444	716162500	-16.553	716162500	-16.325	1084375000	-74.562	1545883125	-95.333	2.603E+08	-102.98
1086250000	-2.3172	716175000	-1.8439	716175000	-13.853	716175000	-13.658	1086250000	-70.674	1547308750	-85.348	2.608E+08	-98.802
1088125000	-2.3196	716187500	-1.8449	716187500	-11.355	716187500	-11.2	1088125000	-66.056	1548734375	-107.75	2.612E+08	-97.947
1090000000	-2.3216	716200000	-1.8446	716200000	-9.1608	716200000	-9.0505	1090000000	-56.109	1550160000	-80.374	2.616E+08	-99.326
1091875000	-2.3224	716212500	-1.8443	716212500	-7.3684	716212500	-7.3128	1091875000	-50.848	1551585625	-83.909	2.621E+08	-103.85
1093750000	-2.3238	716225000	-1.8431	716225000	-6.0415	716225000	-6.026	1093750000	-42.846	1553011250	-85.888	2.625E+08	-98.337
1095625000	-2.3264	716237500	-1.84	716237500	-5.1391	716237500	-5.1453	1095625000	-32.22	1554436875	-82.008	2.630E+08	-107.98
1097500000	-2.3289	716250000	-1.8418	716250000	-4.553	716250000	-4.5708	1097500000	-16.083	1555862500	-77.357	2.634E+08	-100.04
1099375000	-2.3297	716262500	-1.8453	716262500	-4.1806	716262500	-4.1976	1099375000	-8.3583	1557288125	-75.879	2.638E+08	-96.2
1101250000	-2.3301	716275000	-1.8429	716275000	-3.9309	716275000	-3.9383	1101250000	-4.7865	1558713750	-76.607	2.643E+08	-102.1
1103125000	-2.3317	716287500	-1.8419	716287500	-3.7519	716287500	-3.7518	1103125000	-8.0629	1560139375	-74.378	2.647E+08	-98.435
1105000000	-2.3343	716300000	-1.8424	716300000	-3.614	716300000	-3.6109	1105000000	-11.347	1561565000	-71.753	2.651E+08	-93.024
1106875000	-2.3369	716312500	-1.8401	716312500	-3.504	716312500	-3.4955	1106875000	-11.506	1562990625	-68.877	2.656E+08	-94.279
1108750000	-2.3388	716325000	-1.8389	716325000	-3.407	716325000	-3.3958	1108750000	-10.392	1564416250	-65.246	2.660E+08	-97.75
1110625000	-2.3407	716337500	-1.8406	716337500	-3.3226	716337500	-3.3128	1110625000	-9.9272	1565841875	-56.311	2.664E+08	-96.229
1112500000	-2.343	716350000	-1.8413	716350000	-3.2509	716350000	-3.2358	1112500000	-10.719	1567267500	-63.482	2.669E+08	-99.319
1114375000	-2.3449	716362500	-1.8414	716362500	-3.1884	716362500	-3.1708	1114375000	-11.246	1568693125	-44.873	2.673E+08	-111.19
1116250000	-2.346	716375000	-1.8424	716375000	-3.1297	716375000	-3.1129	1116250000	-9.5452	1570118750	-45.388	2.678E+08	-95.566
1118125000	-2.3467	716387500	-1.8418	716387500	-3.0775	716387500	-3.0599	1118125000	-30.441	1571544375	-52.383	2.682E+08	-107.7
1120000000	-2.3481	716400000	-1.8411	716400000	-3.0294	716400000	-3.015	1120000000	10.37	1572970000	-50.637	2.686E+08	-98.012
1121875000	-2.3506	716412500	-1.8449	716412500	-2.9866	716412500	-2.9678	1121875000	-6.7236	1574395625	-59.362	2.691E+08	-113.85
1123750000	-2.3534	716425000	-1.8433	716425000	-2.9473	716425000	-2.9297	1123750000	-17.071	1575821250	-47.804	2.695E+08	-99.062
1125625000	-2.3562	716437500	-1.8464	716437500	-2.9092	716437500	-2.8921	1125625000	-26.123	1577246875	-42.912	2.699E+08	-98.086
1127500000	-2.3583	716450000	-1.8449	716450000	-2.8676	716450000	-2.8544	1127500000	-32.868	1578672500	-57.347	2.704E+08	-103.03
1129375000	-2.3603	716462500	-1.8433	716462500	-2.836	716462500	-2.8231	1129375000	-38.414	1580098125	-63.515	2.708E+08	-102.46
1131250000	-2.3623	716475000	-1.8423	716475000	-2.806	716475000	-2.7957	1131250000	-43.204	1581523750	-67.295	2.713E+08	-104.17
1133125000	-2.3642	716487500	-1.8423	716487500	-2.7757	716487500	-2.7659	1133125000	-47.427	1582949375	-70.658	2.717E+08	-104.88
1135000000	-2.3664	716500000	-1.8466	716500000	-2.7519	716500000	-2.7435	1135000000	-51.163	1584375000	-72.829	2.721E+08	-108.08
1136875000	-2.37	716512500	-1.8449	716512500	-2.7215	716512500	-2.7182	1136875000	-53.223	1585800625	-74.517	2.726E+08	-105.19
1138750000	-2.3745	716525000	-1.8443	716525000	-2.6993	716525000	-2.6986	1138750000	-55.56	1587226250	-75.937	2.730E+08	-96.215
1140625000	-2.3789	716537500	-1.8429	716537500	-2.6777	716537500	-2.677	1140625000	-62.286	1588651875	-76.958	2.734E+08	-112.57
1142500000	-2.3818	716550000	-1.8432	716550000	-2.6561	716550000	-2.6619	1142500000	-59.864	1590077500	-78.013	2.739E+08	-100.52
1144375000	-2.3838	716562500	-1.8406	716562500	-2.6371	716562500	-2.6421	1144375000	-60.325	1591503125	-82.363	2.743E+08	-109.98
1146250000	-2.3862	716575000	-1.8451	716575000	-2.622	716575000	-2.6306	1146250000	-61.168	1592928750	-83.146	2.747E+08	-96.489
1148125000	-2.3888	716587500	-1.8412	716587500	-2.607	716587500	-2.6174	1148125000	-61.424	1594354375	-86.407	2.752E+08	-97.688
1150000000	-2.3905	716600000	-1.8392	716600000	-2.592	716600000	-2.6017	1150000000	-61.774	1595780000	-87.236	2.756E+08	-99.418
1151875000	-2.392	716612500	-1.8382	716612500	-2.5782	716612500	-2.5889	1151875000	-62.093	1597205625	-90.908	2.761E+08	-105.44
1153750000	-2.3947	716625000	-1.8395	716625000	-2.5677	716625000	-2.5798	1153750000	-63.167	1598631250	-91.74	2.765E+08	-97.129
1155625000	-2.3986	716637500	-1.8413	716637500	-2.5596	716637500	-2.5682	1155625000	-64.864	1600056875	-97.781	2.769E+08	-98.724
1157500000	-2.4018	716650000	-1.8406	716650000	-2.5473	716650000	-2.5539	1157500000	-69.461	1601482500	-98.662	2.774E+08	-102.4
1159375000	-2.4037	716662500	-1.8414	716662500	-2.5383	716662500	-2.5474	1159375000	-68.718	1602908125	-97.778	2.778E+08	-93.069
1161250000	-2.4056	716675000	-1.8418	716675000	-2.5319	716675000	-2.5385	1161250000	-62.07	1604333750	-105.59	2.782E+08	-95.445
1163125000	-2.4081	716687500	-1.8425	716687500	-2.5217	716687500	-2.5282	1163125000	-67.558	1605759375	-120.41	2.787E+08	-97.326
1165000000	-2.4101	716700000	-1.8431	716700000	-2.5172	716700000	-2.5205	1165000000	-87.774	1607185000	-104.61	2.791E+08	-99.387
1166875000	-2.4114	716712500	-1.8418	716712500	-2.5088	716712500	-2.5121	1166875000	-60.591	1608610625	-92.457	2.796E+08	-105.17
1168750000	-2.4126	716725000	-1.8401	716725000	-2.5017	716725000	-2.5002	1168750000	-48.646	1610036250	-83.565	2.800E+08	-98.179
1170625000	-2.4153	716737500	-1.8412	716737500	-2.4946	716737500	-2.4918	1170625000	-34.761	1611461875	-67.818	2.804E+08	-108.12
1172500000	-2.4191	716750000	-1.8408	716750000	-2.4873	716750000	-2.4864	1172500000	-16.882	1612887500	-60.753	2.809E+08	-104.29
1174375000	-2.4227	716762500	-1.8398	716762500	-2.4813	716762500	-2.4759	1174375000	-20.531	1614313125	-62.545	2.813E+08	-97.923
1176250000	-2.4251	716775000	-1.8416	716775000	-2.4753	716775000	-2.4704	1176250000	-14.504	1615738750	-80.709	2.817E+08	-104.9
1178125000	-2.4268	716787500	-1.8433	716787500	-2.4708	716787500	-2.4651	1178125000	-18.34	1617164375	-88.284	2.822E+08	-117.99
1180000000	-2.4283	716800000	-1.8424	716800000	-2.4607	716800000	-2.4534	1180000000	-30.873	1618590000	-92.632	2.826E+08	-113.17
1181875000	-2.4298	716812500	-1.8415	716812500	-2.4543	716812500	-2.4455	1181875000	-41.522	1620015625	-98.995	2.830E+08	-103.38
1183750000	-2.431	716825000	-1.8406	716825000	-2.4464	716825000	-2.4356	1183750000	-21.088	1621441250	-89.697	2.835E+08	-112.63
1185625000	-2.4322	716837500	-1.8454	716837500	-2.446	716837500	-2.4307	1185625000	-15.339	1622866875	-91.194	2.839E+08	-97.464
1187500000	-2.4345	716850000	-1.8431	716850000	-2.4367	716850000	-2.422	1187500000	-24.963	1624292500	-95.032	2.844E+08	-107.52
1189375000	-2.4385	716862500	-1.846	716862500	-2.429	716862500	-2.4138	1189375000	-25.67	1625718125	-95.617	2.848E+08	-103.58
1191250000	-2.4423	716875000	-1.8438	716875000	-2.4241	716875000	-2.4073	1191250000	-50.877	1627143750	-102.79	2.852E+08	-99.552
1193125000	-2.4444	716887500	-1.8444	716887500	-2.4172	716887500	-2.3981	1193125000	-64.32	1628569375	-101.41	2.857E+08	-99.662
1195000000	-2.4458	716900000	-1.846	716900000	-2.4098	716900000	-2.3919	1195000000	-75.213	1629995000	-95.372	2.861E+08	-96.725
1196875000	-2.4474	716912500	-1.8409	716912500	-2.4036	716912500	-2.3845	1196875000	-84.791	1631420625	-90.479	2.865E+08	-90.567
1198750000	-2.4482	716925000	-1.8412	716925000	-2.3972	716925000	-2.3777	1198750000	-96.416	1632846250	-94.336	2.870E+08	-97.694
1200625000	-2.4472	716937500	-1.8423	716937500	-2.3885	716937500	-2.3695	1200625000	-96.032	1634271875	-90.731	2.874E+08	-106.56
1202500000	-2.4464	716950000	-1.8395	716950000	-2.3795	716950000	-2.3625	1202500000	-100.03	1635697500	-92.225	2.879E+08	-93.021
1204375000	-2.4483	716962500	-1.8418	716962500	-2.3725	716962500	-2.3572	1204375000	-89.74	1637123125	-91.6	2.883E+08	-99.22
1206250000	-2.4526	716975000	-1.8419	716975000	-2.3699	716975000	-2.3513	1206250000	-92.558	1638548750	-98.362	2.887E+08	-93.331
1208125000	-2.4562	716987500	-1.8468	716987500	-2.3619	716987500	-2.348	1208125000	-101.41	1639974375	-96.063	2.892E+08	-101.26
1210000000	-2.4582	717000000	-1.8418	717000000	-2.355	717000000	-2.3408	1210000000	-107.85	1641400000	-94.606	2.896E+08	-99.467
1211875000	-2.4601	717012500	-1.8392	717012500	-2.3476	717012500	-2.3354	1211875000	-98.886	1642825625	-91.924	2.900E+08	-95.724
1213750000	-2.4623	717025000	-1.8413	717025000	-2.3419	717025000	-2.3308	1213750000	-101.84	1644251250	-84.981	2.905E+08	-96.456
1215625000	-2.4633	717037500	-1.8396	717037500	-2.3333	717037500	-2.3266	1215625000	-97.838	1645676875	-82.995	2.909E+08	-101.95
1217500000	-2.463	717050000	-1.8437	717050000	-2.3298	717050000	-2.3254	1217500000	-95.798	1647102500	-78.977	2.913E+08	-100.75
1219375000	-2.4636	717062500	-1.8395	717062500	-2.322	717062500	-2.317	1219375000	-102.72	1648528125	-72.146	2.918E+08	-115.36
1221250000	-2.4663	717075000	-1.8441	717075000	-2.3171	717075000	-2.3179	1221250000	-105.49	1649953750	-73.377	2.922E+08	-105.89
1223125000	-2.4696	717087500	-1.8414	717087500	-2.3098	717087500	-2.3102	1223125000	-106.11	1651379375	-39.591	2.927E+08	-101.44
1225000000	-2.472	717100000	-1.8429	717100000	-2.3058	717100000	-2.3068	1225000000	-99.256	1652805000	-29.249	2.931E+08	-102.12
1226875000	-2.4738	717112500	-1.8433	717112500	-2.3025	717112500	-2.3059	1226875000	-93.325	1654230625	-44.501	2.935E+08	-103.23
1228750000	-2.4759	717125000	-1.8422	717125000	-2.2971	717125000	-2.3002	1228750000	-105.77	1655656250	-44.967	2.940E+08	-105.97
1230625000	-2.4777	717137500	-1.8452	717137500	-2.2934	717137500	-2.3033	1230625000	-96.664	1657081875	-45.295	2.944E+08	-101.48
1232500000	-2.478	717150000	-1.8457	717150000	-2.2891	717150000	-2.2981	1232500000	-105.23	1658507500	-38.594	2.948E+08	-99.323
1234375000	-2.4777	717162500	-1.8427	717162500	-2.2849	717162500	-2.2952	1234375000	-100.01	1659933125	-24.987	2.953E+08	-108.79
1236250000	-2.4786	717175000	-1.8473	717175000	-2.2822	717175000	-2.2933	1236250000	-95.827	1661358750	-37.833	2.957E+08	-100.83
1238125000	-2.4813	717187500	-1.8474	717187500	-2.2801	717187500	-2.2933	1238125000	-97.589	1662784375	-42.725	2.962E+08	-99.667
1240000000	-2.4851	717200000	-1.8464	717200000	-2.2761	717200000	-2.2909	1240000000	-105.17	1664210000	-48.985	2.966E+08	-105.21
1241875000	-2.4887	717212500	-1.8413	717212500	-2.2717	717212500	-2.2882	1241875000	-99.108	1665635625	-51.688	2.970E+08	-104.46
1243750000	-2.4913	717225000	-1.8443	717225000	-2.271	717225000	-2.2876	1243750000	-100.19	1667061250	-66.772	2.975E+08	-101.23
1245625000	-2.4934	717237500	-1.8435	717237500	-2.2654	717237500	-2.2858	1245625000	-105.72	1668486875	-62.089	2.979E+08	-93.763

	max=>									
	min=>									

Frequency Hz	Frequency MHz	Freq MHz	Cable loss dB	Dielectric S21	Freq MHz	Cable loss	s21 Dielectric dB	Freq MHz	Cable loss	s21 Dielectric dB
718125000	718.125	717.3	1.8	-0.4	298.3	1.2	-101.2	1669.9	2.9	-52.5
718131250	718.131	717.3	1.8	-0.4	298.8	1.2	-90.8	1671.3	2.9	-50.3
718137500	718.138	717.3	1.8	-0.4	299.2	1.2	-94.4	1672.8	2.9	-43.9
718143750	718.144	717.3	1.8	-0.4	299.6	1.2	-90.4	1674.2	2.9	-31.2
718150000	718.150	717.3	1.8	-0.4	300.1	1.2	-99.8	1675.6	2.9	-22.9
718156250	718.156	717.3	1.8	-0.4	300.5	1.2	-104.4	1677.0	2.9	-33.4
718162500	718.163	717.3	1.8	-0.4	301.0	1.2	-94.2	1678.5	2.9	-35.5
718168750	718.169	717.3	1.8	-0.4	301.4	1.2	-96.8	1679.9	2.9	-34.3
718175000	718.175	717.4	1.8	-0.4	301.8	1.2	-97.8	1681.3	2.9	-25.8
718181250	718.181	717.4	1.8	-0.4	302.3	1.2	-96.9	1682.7	2.9	-48.1
718187500	718.188	717.4	1.8	-0.4	302.7	1.2	-108.1	1684.2	2.9	-43.4
718193750	718.194	717.4	1.8	-0.4	303.1	1.2	-96.6	1685.6	2.9	-62.3
718200000	718.200	717.4	1.8	-0.4	303.6	1.2	-115.7	1687.0	2.9	-43.8
718206250	718.206	717.4	1.8	-0.4	304.0	1.2	-99.1	1688.4	2.9	-48.1
718212500	718.213	717.4	1.8	-0.4	304.5	1.2	-90.7	1689.9	2.9	-56.1
718218750	718.219	717.4	1.8	-0.4	304.9	1.2	-99.1	1691.3	2.9	-44.1
718225000	718.225	717.5	1.8	-0.4	305.3	1.2	-104.9	1692.7	2.9	-41.8
718231250	718.231	717.5	1.8	-0.4	305.8	1.2	-98.8	1694.1	2.9	-42.3
718237500	718.238	717.5	1.8	-0.4	306.2	1.2	-118.1	1695.6	2.9	-62.4
718243750	718.244	717.5	1.8	-0.4	306.6	1.2	-101.8	1697.0	2.9	-38.2
718250000	718.250	717.5	1.8	-0.4	307.1	1.2	-107.4	1698.4	2.9	-38.1
718256250	718.256	717.5	1.8	-0.4	307.5	1.2	-110.9	1699.9	2.9	-36.0
718262500	718.263	717.5	1.8	-0.4	307.9	1.2	-118.8	1701.3	2.9	-32.7
718268750	718.269	717.5	1.8	-0.4	308.4	1.2	-99.6	1702.7	2.9	-27.8
718275000	718.275	717.6	1.8	-0.4	308.8	1.2	-107.0	1704.1	2.9	-20.0
718281250	718.281	717.6	1.8	-0.4	309.3	1.2	-98.5	1705.6	2.9	-7.4
718287500	718.288	717.6	1.8	-0.4	309.7	1.2	-98.5	1707.0	2.9	-10.2
718293750	718.294	717.6	1.8	-0.4	310.1	1.2	-100.7	1708.4	2.9	-13.9
718300000	718.300	717.6	1.8	-0.4	310.6	1.2	-90.8	1709.8	2.9	-26.8
718306250	718.306	717.6	1.8	-0.4	311.0	1.2	-88.0	1711.3	2.9	-36.6
718312500	718.313	717.6	1.8	-0.4	311.4	1.2	-94.2	1712.7	2.9	-16.9
718318750	718.319	717.6	1.8	-0.4	311.9	1.2	-99.8	1714.1	2.9	-28.9
718325000	718.325	717.7	1.8	-0.4	312.3	1.2	-90.9	1715.5	2.9	-32.2
718331250	718.331	717.7	1.8	-0.4	312.8	1.2	-96.2	1717.0	2.9	-22.1
718337500	718.338	717.7	1.8	-0.4	313.2	1.2	-90.4	1718.4	2.9	-18.2
718343750	718.344	717.7	1.8	-0.4	313.6	1.2	-108.8	1719.8	2.9	-19.8
718350000	718.350	717.7	1.8	-0.4	314.1	1.2	-89.1	1721.2	2.9	-24.0
718356250	718.356	717.7	1.8	-0.4	314.5	1.2	-91.0	1722.7	2.9	-26.8
718362500	718.363	717.7	1.8	-0.4	314.9	1.2	-86.6	1724.1	2.9	-28.7
718368750	718.369	717.7	1.8	-0.4	315.4	1.2	-102.1	1725.5	2.9	-30.1
718375000	718.375	717.8	1.8	-0.4	315.8	1.2	-95.3	1726.9	2.9	-32.5
718381250	718.381	717.8	1.8	-0.4	316.2	1.2	-101.3	1728.4	2.9	-20.3
718387500	718.388	717.8	1.8	-0.4	316.7	1.2	-94.8	1729.8	2.9	-16.3
718393750	718.394	717.8	1.9	-0.4	317.1	1.2	-113.0	1731.2	2.9	-12.3
718400000	718.400	717.8	1.8	-0.4	317.6	1.3	-101.6	1732.6	2.9	-17.4
718406250	718.406	717.8	1.8	-0.4	318.0	1.3	-107.6	1734.1	2.9	-14.1
718412500	718.413	717.8	1.8	-0.4	318.4	1.3	-102.0	1735.5	2.9	-11.4
718418750	718.419	717.8	1.8	-0.4	318.9	1.3	-105.7	1736.9	2.9	-20.0
718425000	718.425	717.9	1.8	-0.4	319.3	1.3	-108.7	1738.3	2.9	-30.3
718431250	718.431	717.9	1.8	-0.4	319.7	1.3	-100.9	1739.8	2.9	-40.0
718437500	718.438	717.9	1.8	-0.4	320.2	1.3	-99.0	1741.2	2.9	-50.8
718443750	718.444	717.9	1.8	-0.4	320.6	1.3	-96.6	1742.6	3.0	-41.7
718450000	718.450	717.9	1.8	-0.4	321.1	1.3	-94.2	1744.0	3.0	-27.1
718456250	718.456	717.9	1.8	-0.4	321.5	1.3	-98.6	1745.5	3.0	-25.8
718462500	718.463	717.9	1.8	-0.4	321.9	1.3	-105.2	1746.9	3.0	-38.4
718468750	718.469	717.9	1.8	-0.4	322.4	1.3	-94.5	1748.3	3.0	-58.7
718475000	718.475	718.0	1.8	-0.3	322.8	1.3	-95.3	1749.7	3.0	-52.8
718481250	718.481	718.0	1.8	-0.3	323.2	1.3	-99.2	1751.2	3.0	-37.7
718487500	718.488	718.0	1.8	-0.3	323.7	1.3	-118.1	1752.6	3.0	-23.8
718493750	718.494	718.0	1.8	-0.3	324.1	1.3	-99.8	1754.0	3.0	-14.0
718500000	718.500	718.0	1.8	-0.3	324.6	1.3	-90.5	1755.5	3.0	-14.7
718506250	718.506	718.0	1.8	-0.3	325.0	1.3	-93.8	1756.9	3.0	-40.4
718512500	718.513	718.0	1.8	-0.3	325.4	1.3	-90.3	1758.3	3.0	-48.7
718518750	718.519	718.0	1.8	-0.3	325.9	1.3	-90.0	1759.7	3.0	-43.6
718525000	718.525	718.1	1.8	-0.3	326.3	1.3	-92.4	1761.2	3.0	-43.4
718531250	718.531	718.1	1.8	-0.3	326.7	1.3	-96.0	1762.6	3.0	-42.1
718537500	718.538	718.1	1.8	-0.3	327.2	1.3	-92.4	1764.0	3.0	-43.5
718543750	718.544	718.1	1.8	-0.3	327.6	1.3	-103.2	1765.4	3.0	-37.7
718550000	718.550	718.1	1.8	-0.3	328.0	1.3	-95.1	1766.9	3.0	-25.0
718556250	718.556	718.1	1.8	-0.3	328.5	1.3	-95.3	1768.3	3.0	-23.5
718562500	718.563	718.1	1.8	-0.3	328.9	1.3	-101.4	1769.7	3.0	-28.6
718568750	718.569	718.1	1.8	-0.3	329.4	1.3	-112.2	1771.1	3.0	-31.3
718575000	718.575	718.2	1.8	-0.3	329.8	1.3	-100.9	1772.6	3.0	-57.9
718581250	718.581	718.2	1.8	-0.3	330.2	1.3	-103.1	1774.0	3.0	-55.7
718587500	718.588	718.2	1.8	-0.3	330.7	1.3	-102.6	1775.4	3.0	-80.3
718593750	718.594	718.2	1.8	-0.3	331.1	1.3	-101.5	1776.8	3.0	-74.4
718600000	718.600	718.2	1.8	-0.3	331.5	1.3	-107.1	1778.3	3.0	-77.8
718606250	718.606	718.2	1.8	-0.3	332.0	1.3	-95.9	1779.7	3.0	-84.9
718612500	718.613	718.2	1.8	-0.3	332.4	1.3	-101.5	1781.1	3.0	-65.9
718618750	718.619	718.2	1.8	-0.3	332.9	1.3	-102.9	1782.5	3.0	-63.9
718625000	718.625	718.3	1.8	-0.3	333.3	1.3	-92.4	1784.0	3.0	-72.2
718631250	718.631	718.3	1.8	-0.3	333.7	1.3	-104.1	1785.4	3.0	-50.7
718637500	718.638	718.3	1.8	-0.3	334.2	1.3	-91.7	1786.8	3.0	-38.6
718643750	718.644	718.3	1.8	-0.3	334.6	1.3	-107.0	1788.2	3.0	-52.1
718650000	718.650	718.3	1.8	-0.3	335.0	1.3	-94.4	1789.7	3.0	-49.6
718656250	718.656	718.3	1.8	-0.3	335.5	1.3	-105.4	1791.1	3.0	-56.3
718662500	718.663	718.3	1.8	-0.3	335.9	1.3	-100.7	1792.5	3.0	-45.6
718668750	718.669	718.3	1.8	-0.3	336.3	1.3	-100.5	1793.9	3.0	-30.2
718675000	718.675	718.4	1.8	-0.3	336.8	1.3	-94.7	1795.4	3.0	-50.8
718681250	718.681	718.4	1.8	-0.3	337.2	1.3	-96.9	1796.8	3.0	-37.0
718687500	718.688	718.4	1.8	-0.3	337.7	1.3	-97.7	1798.2	3.0	-31.0
718693750	718.694	718.4	1.8	-0.3	338.1	1.3	-100.1	1799.6	3.0	-43.4
718700000	718.700	718.4	1.8	-0.3	338.5	1.3	-98.4	1801.1	3.0	-62.1
718706250	718.706	718.4	1.8	-0.3	339.0	1.3	-103.5	1802.5	3.0	-67.7
718712500	718.713	718.4	1.8	-0.3	339.4	1.3	-99.9	1803.9	3.0	-67.6
718718750	718.719	718.4	1.8	-0.3	339.8	1.3	-96.1	1805.3	3.0	-62.5
718725000	718.725	718.5	1.8	-0.3	340.3	1.3	-96.0	1806.8	3.0	-51.1
718731250	718.731	718.5	1.8	-0.3	340.7	1.3	-105.4	1808.2	3.0	-36.5
718737500	718.738	718.5	1.8	-0.3	341.2	1.3	-102.2	1809.6	3.0	-32.1
718743750	718.744	718.5	1.8	-0.3	341.6	1.3	-102.2	1811.0	3.0	-42.2
718750000	718.750	718.5	1.8	-0.3	342.0	1.3	-99.9	1812.5	3.0	-43.0
718756250	718.756	718.5	1.8	-0.3	342.5	1.3	-104.9	1813.9	3.0	-38.0
718762500	718.763	718.5	1.8	-0.3	342.9	1.3	-102.5	1815.3	3.0	-27.1
718768750	718.769	718.5	1.8	-0.3	343.3	1.3	-120.4	1816.8	3.0	-29.9
718775000	718.775	718.6	1.8	-0.3	343.8	1.3	-98.6	1818.2	3.0	-39.2
718781250	718.781	718.6	1.8	-0.3	344.2	1.3	-94.9	1819.6	3.0	-33.3
718787500	718.788	718.6	1.8	-0.3	344.6	1.3	-100.8	1821.0	3.0	-29.7
718793750	718.794	718.6	1.8	-0.3	345.1	1.3	-100.2	1822.5	3.0	-21.2
718800000	718.800	718.6	1.8	-0.3	345.5	1.3	-95.9	1823.9	3.0	-31.9
718806250	718.806	718.6	1.8	-0.3	346.0	1.3	-98.5	1825.3	3.0	-29.0

	Set 1			Set 2			Set 3			Set 4			Set 5			Set 6			Set 7	
	[N right anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[N right angle]			[N right anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[N right angle]			[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+~~[fine match to antenna]~~+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]			[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]			[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]			[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]				
NA	FW_VERSION	FW_DATE	NA	FW_VERSION	FW_DATE	NA	FW_VERSION	FW_DATE	NA	FW_VERSION	FW_DATE	NA	FW_VERSION	FW_DATE	NA	FW_VERSION	FW_DATE	NA	FW_VERSION	
HP8753ES	7.74	30-Oct-02	HP8753ES	7.74	30-Oct-02	HP8753ES	7.74	30-Oct-02	HP8753ES	7.74	30-Oct-02	HP8753ES	7.74	30-Oct-02	HP8753ES	7.74	3.76E+04	HP8753ES	7.74	
DATE	TIME		DATE	TIME		DATE	TIME		DATE	TIME		DATE	TIME		DATE	TIME		DATE	TIME	
4 Jun 2007	10:40:01		4 Jun 2007	11:05:31		4 Jun 2007	15:14:55		4 Jun 2007	16:42:18		4 Jun 2007	17:00:50		4 Jun 2007	17:10:10		5 Jun 2007	14:40:27	
CHAN	MEAS	FORMAT	CHAN	MEAS	FORMAT	CHAN	MEAS	FORMAT	CHAN	MEAS	FORMAT	CHAN	MEAS	FORMAT	CHAN	MEAS	FORMAT	CHAN	MEAS	
1	S21	LOG_MAG	1	S21	LOG_MAG	1	S21	LOG_MAG	1	S21	LOG_MAG	1	S21	LOG_MAG	1	S21	LOG_MAG	1.000E+00	S21	
CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ	
10000000	3010000000		709000000	729000000		709000000	729000000		709000000	729000000		10000000	3010000000		729000000	3010000000		1.000E+07	709000000	
POINTS	POWER	IF_BW	POINTS	POWER	IF_BW	POINTS	POWER	IF_BW	POINTS	POWER	IF_BW	POINTS	POWER	IF_BW	POINTS	POWER	IF_BW	POINTS	POWER	
1601	0.00E+00	300	1601	0.00E+00	300	1601	0.00E+00	300	1601	0.00E+00	300	1601	0.00E+00	300	1601	0.00E+00	3.00E+02	1.601E+03	0.00E+00	

FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB
1247500000	-2.495	717250000	-1.8443	717250000	-2.2678	717250000	-2.284	1247500000	-95.229	1669912500	-55.429	2.983E+08	-102.46
1249375000	-2.4958	717262500	-1.8456	717262500	-2.2658	717262500	-2.2834	1249375000	-96.059	1671338125	-53.238	2.988E+08	-92.037
1251250000	-2.4958	717275000	-1.8413	717275000	-2.2628	717275000	-2.2787	1251250000	-95.822	1672763750	-46.783	2.992E+08	-95.65
1253125000	-2.4963	717287500	-1.8418	717287500	-2.2587	717287500	-2.2786	1253125000	-94.014	1674189375	-34.094	2.996E+08	-91.627
1255000000	-2.4992	717300000	-1.8423	717300000	-2.261	717300000	-2.2778	1255000000	-97.349	1675615000	-25.8	3.001E+08	-101
1256875000	-2.5037	717312500	-1.8408	717312500	-2.257	717312500	-2.2745	1256875000	-100.99	1677040625	-36.358	3.005E+08	-105.61
1258750000	-2.5076	717325000	-1.8438	717325000	-2.2571	717325000	-2.2745	1258750000	-103.65	1678466250	-38.377	3.010E+08	-95.419
1260625000	-2.5101	717337500	-1.8457	717337500	-2.2578	717337500	-2.2738	1260625000	-95.625	1679891875	-37.194	3.014E+08	-97.986
1262500000	-2.5121	717350000	-1.8443	717350000	-2.2556	717350000	-2.2726	1262500000	-97.323	1681317500	-28.759	3.018E+08	-98.992
1264375000	-2.5139	717362500	-1.8431	717362500	-2.2546	717362500	-2.269	1264375000	-92.529	1682743125	-51.04	3.023E+08	-98.118
1266250000	-2.5144	717375000	-1.8475	717375000	-2.2556	717375000	-2.2693	1266250000	-99.912	1684168750	-46.271	3.027E+08	-109.34
1268125000	-2.5135	717387500	-1.8433	717387500	-2.2539	717387500	-2.2664	1268125000	-106.05	1685594375	-65.257	3.031E+08	-97.848
1270000000	-2.5137	717400000	-1.8446	717400000	-2.2526	717400000	-2.2635	1270000000	-97.916	1687020000	-46.716	3.036E+08	-116.93
1271875000	-2.5164	717412500	-1.8463	717412500	-2.2546	717412500	-2.2655	1271875000	-94.607	1688445625	-51	3.040E+08	-100.28
1273750000	-2.5204	717425000	-1.8418	717425000	-2.2483	717425000	-2.2617	1273750000	-97.564	1689871250	-59.012	3.045E+08	-91.917
1275625000	-2.5235	717437500	-1.8453	717437500	-2.2498	717437500	-2.2596	1275625000	-93.704	1691296875	-47.063	3.049E+08	-100.33
1277500000	-2.5258	717450000	-1.8437	717450000	-2.2494	717450000	-2.2586	1277500000	-94.455	1692722500	-44.756	3.053E+08	-106.15
1279375000	-2.5286	717462500	-1.8486	717462500	-2.2542	717462500	-2.2586	1279375000	-106.68	1694148125	-45.19	3.058E+08	-99.989
1281250000	-2.531	717475000	-1.8456	717475000	-2.2499	717475000	-2.2553	1281250000	-96.479	1695573750	-65.364	3.062E+08	-119.34
1283125000	-2.5317	717487500	-1.8456	717487500	-2.2494	717487500	-2.254	1283125000	-104.23	1696999375	-41.142	3.066E+08	-102.98
1285000000	-2.5317	717500000	-1.8426	717500000	-2.2499	717500000	-2.2526	1285000000	-93.958	1698425000	-40.98	3.071E+08	-108.6
1286875000	-2.5334	717512500	-1.8457	717512500	-2.2486	717512500	-2.25	1286875000	-104.4	1699850625	-38.938	3.075E+08	-112.08
1288750000	-2.5377	717525000	-1.8432	717525000	-2.247	717525000	-2.2458	1288750000	-98.876	1701276250	-35.622	3.079E+08	-120.07
1290625000	-2.5427	717537500	-1.8452	717537500	-2.2506	717537500	-2.2468	1290625000	-111.7	1702701875	-30.691	3.084E+08	-100.82
1292500000	-2.5464	717550000	-1.8447	717550000	-2.249	717550000	-2.2441	1292500000	-91.802	1704127500	-22.918	3.088E+08	-108.23
1294375000	-2.5493	717562500	-1.8426	717562500	-2.2488	717562500	-2.2402	1294375000	-103.21	1705553125	-10.287	3.093E+08	-99.771
1296250000	-2.5515	717575000	-1.841	717575000	-2.2458	717575000	-2.2376	1296250000	-91.91	1706978750	-13.17	3.097E+08	-99.75
1298125000	-2.5529	717587500	-1.8423	717587500	-2.2464	717587500	-2.234	1298125000	-92.249	1708404375	-16.863	3.101E+08	-101.92
1300000000	-2.5534	717600000	-1.8419	717600000	-2.2441	717600000	-2.2318	1300000000	-98.53	1709830000	-29.682	3.106E+08	-92.084
1301875000	-2.5533	717612500	-1.8423	717612500	-2.2403	717612500	-2.2319	1301875000	-102.08	1711255625	-39.505	3.110E+08	-89.266
1303750000	-2.5546	717625000	-1.8411	717625000	-2.2426	717625000	-2.2301	1303750000	-100.48	1712681250	-19.874	3.114E+08	-95.48
1305625000	-2.5584	717637500	-1.8431	717637500	-2.238	717637500	-2.2262	1305625000	-89.692	1714106875	-31.842	3.119E+08	-101.02
1307500000	-2.5631	717650000	-1.8434	717650000	-2.242	717650000	-2.2307	1307500000	-96.815	1715532500	-35.128	3.123E+08	-92.134
1309375000	-2.5667	717662500	-1.8462	717662500	-2.2408	717662500	-2.2239	1309375000	-107.75	1716958125	-25.01	3.128E+08	-97.416
1311250000	-2.5685	717675000	-1.8467	717675000	-2.2417	717675000	-2.2215	1311250000	-103.32	1718383750	-21.142	3.132E+08	-91.687
1313125000	-2.57	717687500	-1.846	717687500	-2.2388	717687500	-2.2238	1313125000	-109.87	1719809375	-22.701	3.136E+08	-110.08
1315000000	-2.5716	717700000	-1.8474	717700000	-2.2386	717700000	-2.2206	1315000000	-103.08	1721235000	-26.928	3.141E+08	-90.313
1316875000	-2.5719	717712500	-1.849	717712500	-2.2353	717712500	-2.2186	1316875000	-90.663	1722660625	-29.719	3.145E+08	-92.201
1318750000	-2.5709	717725000	-1.8459	717725000	-2.2317	717725000	-2.2148	1318750000	-93.323	1724086250	-31.639	3.149E+08	-87.819
1320625000	-2.571	717737500	-1.8446	717737500	-2.232	717737500	-2.2152	1320625000	-96.125	1725511875	-33.002	3.154E+08	-103.34
1322500000	-2.5739	717750000	-1.8465	717750000	-2.2276	717750000	-2.2093	1322500000	-95.106	1726937500	-35.465	3.158E+08	-96.564
1324375000	-2.5779	717762500	-1.8467	717762500	-2.2292	717762500	-2.2098	1324375000	-103.7	1728363125	-23.274	3.162E+08	-102.51
1326250000	-2.5806	717775000	-1.8466	717775000	-2.2255	717775000	-2.2066	1326250000	-103.19	1729788750	-19.265	3.167E+08	-96
1328125000	-2.5822	717787500	-1.8503	717787500	-2.2235	717787500	-2.2058	1328125000	-102.36	1731214375	-15.23	3.171E+08	-114.24
1330000000	-2.5842	717800000	-1.8469	717800000	-2.2214	717800000	-2.2044	1330000000	-81.129	1732640000	-20.321	3.176E+08	-102.82
1331875000	-2.586	717812500	-1.8448	717812500	-2.2187	717812500	-2.2019	1331875000	-90.718	1734065625	-17.057	3.180E+08	-108.89
1333750000	-2.5861	717825000	-1.8399	717825000	-2.2143	717825000	-2.1981	1333750000	-97.271	1735491250	-14.331	3.184E+08	-103.24
1335625000	-2.5853	717837500	-1.8481	717837500	-2.2149	717837500	-2.1995	1335625000	-93.819	1736916875	-22.974	3.189E+08	-106.94
1337500000	-2.5865	717850000	-1.8411	717850000	-2.2112	717850000	-2.1965	1337500000	-91.997	1738342500	-33.256	3.193E+08	-109.92
1339375000	-2.5898	717862500	-1.8442	717862500	-2.2102	717862500	-2.1959	1339375000	-97.624	1739768125	-42.961	3.197E+08	-102.11
1341250000	-2.5927	717875000	-1.8402	717875000	-2.2054	717875000	-2.1928	1341250000	-99.013	1741193750	-53.743	3.202E+08	-100.21
1343125000	-2.5942	717887500	-1.842	717887500	-2.207	717887500	-2.1934	1343125000	-103.82	1742619375	-44.621	3.206E+08	-97.852
1345000000	-2.5958	717900000	-1.8452	717900000	-2.2015	717900000	-2.1945	1345000000	-100.34	1744045000	-30.065	3.211E+08	-95.448
1346875000	-2.5981	717912500	-1.8433	717912500	-2.1998	717912500	-2.1924	1346875000	-96.158	1745470625	-28.728	3.215E+08	-99.901
1348750000	-2.5993	717925000	-1.8451	717925000	-2.2007	717925000	-2.1924	1348750000	-93.056	1746896250	-41.342	3.219E+08	-106.43
1350625000	-2.5984	717937500	-1.841	717937500	-2.1971	717937500	-2.19	1350625000	-96.011	1748321875	-61.631	3.224E+08	-95.756
1352500000	-2.5972	717950000	-1.8463	717950000	-2.1956	717950000	-2.1906	1352500000	-108.36	1749747500	-55.805	3.228E+08	-96.606
1354375000	-2.5986	717962500	-1.841	717962500	-2.1893	717962500	-2.1874	1354375000	-102.61	1751173125	-40.644	3.232E+08	-100.45
1356250000	-2.6026	717975000	-1.8424	717975000	-2.1908	717975000	-2.1884	1356250000	-103.28	1752598750	-26.785	3.237E+08	-119.4
1358125000	-2.6071	717987500	-1.8463	717987500	-2.1866	717987500	-2.1881	1358125000	-98.488	1754024375	-16.998	3.241E+08	-101.06
1360000000	-2.6106	718000000	-1.8458	718000000	-2.1864	718000000	-2.1892	1360000000	-102.37	1755450000	-17.676	3.246E+08	-91.799
1361875000	-2.6131	718012500	-1.8445	718012500	-2.1846	718012500	-2.1868	1361875000	-99.736	1756875625	-43.331	3.250E+08	-95.031
1363750000	-2.615	718025000	-1.8427	718025000	-2.1813	718025000	-2.1867	1363750000	-108.98	1758301250	-51.662	3.254E+08	-91.613
1365625000	-2.6159	718037500	-1.846	718037500	-2.1805	718037500	-2.1869	1365625000	-98.156	1759726875	-46.53	3.259E+08	-91.272
1367500000	-2.6151	718050000	-1.8433	718050000	-2.1777	718050000	-2.1827	1367500000	-103.21	1761152500	-46.407	3.263E+08	-93.629
1369375000	-2.614	718062500	-1.8423	718062500	-2.1745	718062500	-2.1821	1369375000	-105.53	1762578125	-45.093	3.267E+08	-97.243
1371250000	-2.6146	718075000	-1.8435	718075000	-2.1711	718075000	-2.1837	1371250000	-96.32	1764003750	-46.429	3.272E+08	-93.646
1373125000	-2.6175	718087500	-1.8435	718087500	-2.1708	718087500	-2.1822	1373125000	-101.31	1765429375	-40.671	3.276E+08	-104.43
1375000000	-2.6211	718100000	-1.8465	718100000	-2.1711	718100000	-2.1852	1375000000	-104.84	1766855000	-27.946	3.280E+08	-96.337
1376875000	-2.6235	718112500	-1.8455	718112500	-2.1695	718112500	-2.1823	1376875000	-103.52	1768280625	-26.446	3.285E+08	-96.586
1378750000	-2.6258	718125000	-1.8437	718125000	-2.1689	718125000	-2.1795	1378750000	-104.69	1769706250	-31.613	3.289E+08	-102.68
1380625000	-2.628	718137500	-1.8478	718137500	-2.1692	718137500	-2.1838	1380625000	-107.1	1771131875	-34.277	3.294E+08	-113.46
1382500000	-2.6297	718150000	-1.8452	718150000	-2.1674	718150000	-2.1796	1382500000	-97.369	1772557500	-60.886	3.298E+08	-102.2
1384375000	-2.6297	718162500	-1.8446	718162500	-2.1672	718162500	-2.1817	1384375000	-93.042	1773983125	-58.691	3.302E+08	-104.37
1386250000	-2.6294	718175000	-1.8457	718175000	-2.1652	718175000	-2.1807	1386250000	-99.085	1775408750	-83.259	3.307E+08	-103.89
1388125000	-2.6309	718187500	-1.8454	718187500	-2.1651	718187500	-2.1823	1388125000	-107.36	1776834375	-77.439	3.311E+08	-102.81
1390000000	-2.6348	718200000	-1.8422	718200000	-2.1653	718200000	-2.1775	1390000000	-102.46	1778260000	-80.836	3.315E+08	-108.36
1391875000	-2.6389	718212500	-1.8456	718212500	-2.1648	718212500	-2.1781	1391875000	-119.37	1779685625	-87.862	3.320E+08	-97.213
1393750000	-2.6416	718225000	-1.845	718225000	-2.1648	718225000	-2.1789	1393750000	-95.984	1781111250	-68.942	3.324E+08	-102.76
1395625000	-2.6436	718237500	-1.8432	718237500	-2.1631	718237500	-2.1772	1395625000	-93.589	1782536875	-66.888	3.329E+08	-104.21
1397500000	-2.6462	718250000	-1.8446	718250000	-2.164	718250000	-2.175	1397500000	-93.959	1783962500	-75.23	3.333E+08	-93.657
1399375000	-2.648	718262500	-1.845	718262500	-2.164	718262500	-2.1789	1399375000	-100.99	1785388125	-53.665	3.337E+08	-105.42
1401250000	-2.6481	718275000	-1.846	718275000	-2.1632	718275000	-2.1813	1401250000	-101.54	1786813750	-41.561	3.342E+08	-92.951
1403125000	-2.6482	718287500	-1.8429	718287500	-2.1629	718287500	-2.1774	1403125000	-93.491	1788239375	-55.113	3.346E+08	-108.27
1405000000	-2.6503	718300000	-1.8452	718300000	-2.1631	718300000	-2.178	1405000000	-91.363	1789665000	-52.612	3.350E+08	-95.687
1406875000	-2.6545	718312500	-1.847	718312500	-2.1648	718312500	-2.1788	1406875000	-99.888	1791090625	-59.311	3.355E+08	-106.71
1408750000	-2.6584	718325000	-1.8485	718325000	-2.1623	718325000	-2.1771	1408750000	-99.363	1792516250	-48.602	3.359E+08	-101.99
1410625000	-2.6609	718337500	-1.8475	718337500	-2.1626	718337500	-2.1768	1410625000	-118.68	1793941875	-33.238	3.363E+08	-101.83
1412500000	-2.6628	718350000	-1.8453	718350000	-2.1622	718350000	-2.1778	1412500000	-85.45	1795367500	-53.832	3.368E+08	-95.951
1414375000	-2.6645	718362500	-1.8487	718362500	-2.165	718362500	-2.1762	1414375000	-55.393	1796793125	-39.999	3.372E+08	-98.163
1416250000	-2.665	718375000	-1.8498	718375000	-2.1656	718375000	-2.179	1416250000	-52.316	1798218750	-34.046	3.377E+08	-98.978
1418125000	-2.6636	718387500	-1.8484	718387500	-2.1653	718387500	-2.1773	1418125000	-50.68	1799644375	-46.431	3.381E+08	-101.37
1420000000	-2.6624	718400000	-1.847	718400000	-2.165	718400000	-2.1765	1420000000	-68.944	1801070000	-65.149	3.385E+08	-99.646
1421875000	-2.6639	718412500	-1.848	718412500	-2.1674	718412500	-2.1767	1421875000	-79.443	1802495625	-70.702	3.390E+08	-104.82
1423750000	-2.668	718425000	-1.8482	718425000	-2.1661	718425000	-2.1754	1423750000	-91.939	1803921250	-70.611	3.394E+08	-101.22
1425625000	-2.6724	718437500	-1.8466	718437500	-2.1659	718437500	-2.1716	1425625000	-101.97	1805346875	-65.492	3.398E+08	-97.391
1427500000	-2.6752	718450000	-1.8453	718450000	-2.1675	718450000	-2.1758	1427500000	-97.184	1806772500	-54.142	3.403E+08	-97.304
1429375000	-2.6773	718462500	-1.8469	718462500	-2.1691	718462500	-2.1745	1429375000	-64.528	1808198125	-39.49	3.407E+08	-106.66
1431250000	-2.6792	718475000	-1.8462	718475000	-2.1686	718475000	-2.175	1431250000	-43.993	1809623750	-35.16	3.412E+08	-103.47
1433125000	-2.6805	718487500	-1.8438	718487500	-2.1698	718487500	-2.1732	1433125000	-63.416	1811049375	-45.259	3.416E+08	-103.51
1435000000	-2.6807	718500000	-1.8445	718500000	-2.1695	718500000	-2.1751	1435000000	-51.607	1812475000	-46.059	3.420E+08	-101.16
1436875000	-2.6811	718512500	-1.8453	718512500	-2.1727	718512500	-2.1727	1436875000	-59.458	1813900625	-40.98	3.425E+08	-106.18
1438750000	-2.6835	718525000	-1.8447	718525000	-2.1725	718525000	-2.1712	1438750000	-99.191	1815326250	-30.162	3.429E+08	-103.81
1440625000	-2.6877	718537500	-1.8451	718537500	-2.1718	718537500	-2.1701	1440625000	-103.73	1816751875	-32.948	3.433E+08	-121.75
1442500000	-2.6915	718550000	-1.8457	718550000	-2.1758	718550000	-2.1704	1442500000	-92.876	1818177500	-42.275	3.438E+08	-99.871
1444375000	-2.6938	718562500	-1.8458	718562500	-2.1736	718562500	-2.1706	1444375000	-98.02	1819603125	-36.368	3.442E+08	-96.252
1446250000	-2.6956	718575000	-1.8423	718575000	-2.1744	718575000	-2.1682	1446250000	-106.67	1821028750	-32.728	3.446E+08	-102.06
1448125000	-2.6975	718587500	-1.8468	718587500	-2.1767	718587500	-2.1681	1448125000	-88.323	1822454375	-24.253	3.451E+08	-101.54
1450000000	-2.6985	718600000	-1.847	718600000	-2.1761	718600000	-2.1669	1450000000	-77.86	1823880000	-34.927	3.455E+08	-97.2
1451875000	-2.6979	718612500	-1.845	718612500	-2.177	718612500	-2.166	1451875000	-67.717	1825305625	-32.077	3.460E+08	-99.764

max=>
min=>

Frequency Hz	Frequency MHz	Freq MHz	Cable loss dB	Dielectric S21	Freq MHz	Cable loss	s21 Dielectric dB	Freq MHz	Cable loss	s21 Dielectric 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	718.7	1.8	-0.3	348.6	1.3	-87.9	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	718.7	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	719.0	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	719.1	1.8	-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	1.8	-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	719.2	1.9	-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	1.9	-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	1.9	-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	1.9	-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	1.9	-0.3	377.8	1.4	-97.0	1929.4	3.1	-21.6
719268750	719.269	719.5	1.9	-0.3	378.3	1.4	-105.2	1930.8	3.1	-42.0
719275000	719.275	719.6	1.9	-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	1.9	-0.3	384.0	1.4	-111.7	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	1.8	-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	1.8	-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	-100.3	1977.8	3.1	-65.8
719481250	719.481	720.0	1.9	-0.3	393.1	1.4	-99.8	1979.3	3.1	-49.8
719487500	719.488	720.0	1.9	-0.3	393.6	1.4	-100.7	1980.7	3.1	-29.9
719493750	719.494	720.0	1.8	-0.3	394.0	1.4	-96.5	1982.1	3.1	-26.8

[N right anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[N right angle]			[N right anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[N right angle]			[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+ ~~[fine match to antenna]~~+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]			[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]			[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]			[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]				
NA	FW_VERSION	FW_DATE	NA	FW_VERSION	FW_DATE	NA	FW_VERSION	FW_DATE	NA	FW_VERSION	FW_DATE	NA	FW_VERSION	FW_DATE	NA	FW_VERSION	FW_DATE	NA	FW_VERSION
HP8753ES	7.74	30-Oct-02	HP8753ES	7.74	30-Oct-02	HP8753ES	7.74	30-Oct-02	HP8753ES	7.74	30-Oct-02	HP8753ES	7.74	30-Oct-02	HP8753ES	7.74	3.76E+04	HP8753ES	7.74
DATE	TIME		DATE	TIME		DATE	TIME		DATE	TIME		DATE	TIME		DATE	TIME		DATE	TIME
4 Jun 2007	10:40:01		4 Jun 2007	11:05:31		4 Jun 2007	15:14:55		4 Jun 2007	16:42:18		4 Jun 2007	17:00:50		4 Jun 2007	17:10:10		5 Jun 2007	14:40:27
CHAN	MEAS	FORMAT	CHAN	MEAS	FORMAT	CHAN	MEAS	FORMAT	CHAN	MEAS	FORMAT	CHAN	MEAS	FORMAT	CHAN	MEAS	FORMAT	CHAN	MEAS
1	S21	LOG_MAG	1	S21	LOG_MAG	1	S21	LOG_MAG	1	S21	LOG_MAG	1	S21	LOG_MAG	1	S21	LOG_MAG	1.000E+00	S21
CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ
10000000	3010000000		709000000	729000000		709000000	729000000		709000000	729000000		10000000	3010000000		729000000	3010000000		1.000E+07	709000000
POINTS	POWER	IF_BW	POINTS	POWER	IF_BW	POINTS	POWER	IF_BW	POINTS	POWER	IF_BW	POINTS	POWER	IF_BW	POINTS	POWER	IF_BW	POINTS	POWER
1601	0.00E+00	300	1601	0.00E+00	300	1601	0.00E+00	300	1601	0.00E+00	300	1601	0.00E+00	300	1601	0.00E+00	3.00E+02	1.601E+03	0.00E+00

FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB
1453750000	-2.6974	718625000	-1.8491	718625000	-2.1766	718625000	-2.1672	1453750000	-50.81	1826731250	-20.981	3.464E+08	-101.57
1455625000	-2.6992	718637500	-1.846	718637500	-2.1765	718637500	-2.1688	1455625000	-42.549	1828156875	-23.27	3.468E+08	-94.578
1457500000	-2.7025	718650000	-1.8441	718650000	-2.1753	718650000	-2.1639	1457500000	-46.595	1829582500	-30.395	3.473E+08	-93.09
1459375000	-2.7049	718662500	-1.847	718662500	-2.1782	718662500	-2.1633	1459375000	-52.857	1831008125	-34.279	3.477E+08	-97.76
1461250000	-2.7062	718675000	-1.8485	718675000	-2.1791	718675000	-2.1678	1461250000	-31.246	1832433750	-53.351	3.481E+08	-99.562
1463125000	-2.7079	718687500	-1.8474	718687500	-2.1774	718687500	-2.1639	1463125000	-35.05	1833859375	-39.405	3.486E+08	-89.256
1465000000	-2.7098	718700000	-1.8486	718700000	-2.1776	718700000	-2.1649	1465000000	-39.881	1835285000	-19.191	3.490E+08	-104.35
1466875000	-2.7106	718712500	-1.8474	718712500	-2.177	718712500	-2.1628	1466875000	-38.762	1836710625	-25.854	3.495E+08	-91.723
1468750000	-2.7099	718725000	-1.8458	718725000	-2.1765	718725000	-2.1634	1468750000	-32.82	1838136250	-17.872	3.499E+08	-92.492
1470625000	-2.7101	718737500	-1.8474	718737500	-2.1761	718737500	-2.1636	1470625000	-19.985	1839561875	-35.611	3.503E+08	-93.7
1472500000	-2.7132	718750000	-1.8468	718750000	-2.1752	718750000	-2.1617	1472500000	-32.359	1840987500	-37.232	3.508E+08	-96.47
1474375000	-2.7175	718762500	-1.849	718762500	-2.1787	718762500	-2.1611	1474375000	-36.007	1842413125	-31.648	3.512E+08	-105.37
1476250000	-2.7212	718775000	-1.8447	718775000	-2.177	718775000	-2.1623	1476250000	-35.971	1843838750	-42.671	3.516E+08	-97.441
1478125000	-2.7236	718787500	-1.8473	718787500	-2.1745	718787500	-2.1581	1478125000	-32.124	1845264375	-36.466	3.521E+08	-103.53
1480000000	-2.7257	718800000	-1.8442	718800000	-2.1744	718800000	-2.1601	1480000000	-20.1	1846690000	-30.065	3.525E+08	-103.77
1481875000	-2.7275	718812500	-1.8455	718812500	-2.1756	718812500	-2.1612	1481875000	-30.677	1848115625	-21.677	3.529E+08	-97.901
1483750000	-2.7279	718825000	-1.8435	718825000	-2.1731	718825000	-2.1603	1483750000	-20.769	1849541250	-21.086	3.534E+08	-108.51
1485625000	-2.7268	718837500	-1.8469	718837500	-2.1755	718837500	-2.157	1485625000	-13.143	1850966875	-20.949	3.538E+08	-105.33
1487500000	-2.7262	718850000	-1.8475	718850000	-2.1756	718850000	-2.1579	1487500000	-19.411	1852392500	-17.636	3.543E+08	-103.18
1489375000	-2.7284	718862500	-1.8461	718862500	-2.1742	718862500	-2.1574	1489375000	-65.675	1853818125	-34.322	3.547E+08	-100.07
1491250000	-2.7323	718875000	-1.8466	718875000	-2.1741	718875000	-2.1604	1491250000	-64.848	1855243750	-41.573	3.551E+08	-117.08
1493125000	-2.7358	718887500	-1.8468	718887500	-2.1677	718887500	-2.1587	1493125000	-64.126	1856669375	-44.444	3.556E+08	-110.15
1495000000	-2.7381	718900000	-1.8459	718900000	-2.1731	718900000	-2.1566	1495000000	-90.011	1858095000	-44.159	3.560E+08	-106.87
1496875000	-2.7399	718912500	-1.8482	718912500	-2.1688	718912500	-2.1591	1496875000	-98.811	1859520625	-42.476	3.564E+08	-97.817
1498750000	-2.7419	718925000	-1.8491	718925000	-2.1703	718925000	-2.159	1498750000	-88.743	1860946250	-44.503	3.569E+08	-103.39
1500625000	-2.7426	718937500	-1.8495	718937500	-2.1677	718937500	-2.1597	1500625000	-97.636	1862371875	-40.396	3.573E+08	-99.773
1502500000	-2.7417	718950000	-1.8495	718950000	-2.1667	718950000	-2.1589	1502500000	-94.107	1863797500	-30.98	3.578E+08	-99.898
1504375000	-2.7413	718962500	-1.853	718962500	-2.1684	718962500	-2.1599	1504375000	-98.316	1865223125	-25.127	3.582E+08	-101.05
1506250000	-2.7435	718975000	-1.8519	718975000	-2.1682	718975000	-2.1591	1506250000	-92.54	1866648750	-18.287	3.586E+08	-118.91
1508125000	-2.7476	718987500	-1.848	718987500	-2.165	718987500	-2.1567	1508125000	-82.211	1868074375	-15.934	3.591E+08	-94.967
1510000000	-2.7511	719000000	-1.8484	719000000	-2.1604	719000000	-2.1541	1510000000	-97.955	1869500000	-17.721	3.595E+08	-95.574
1511875000	-2.7533	719012500	-1.8451	719012500	-2.1608	719012500	-2.1559	1511875000	-93.167	1870925625	-17.323	3.599E+08	-96.774
1513750000	-2.7555	719025000	-1.8485	719025000	-2.1592	719025000	-2.1574	1513750000	-97.851	1872351250	-13.571	3.604E+08	-102.97
1515625000	-2.7574	719037500	-1.8534	719037500	-2.1607	719037500	-2.1578	1515625000	-98.564	1873776875	-11.862	3.608E+08	-101.15
1517500000	-2.7581	719050000	-1.8469	719050000	-2.1596	719050000	-2.159	1517500000	-99.904	1875202500	-24.747	3.612E+08	-110.14
1519375000	-2.7579	719062500	-1.8507	719062500	-2.1576	719062500	-2.1622	1519375000	-97.702	1876628125	-32.142	3.617E+08	-95.286
1521250000	-2.759	719075000	-1.8495	719075000	-2.1577	719075000	-2.159	1521250000	-97.59	1878053750	-32.5	3.621E+08	-95.246
1523125000	-2.7624	719087500	-1.8477	719087500	-2.1574	719087500	-2.1588	1523125000	-96.995	1879479375	-39.971	3.626E+08	-96.468
1525000000	-2.7667	719100000	-1.8429	719100000	-2.1533	719100000	-2.1541	1525000000	-77.314	1880905000	-19.502	3.630E+08	-95.551
1526875000	-2.77	719112500	-1.8459	719112500	-2.1507	719112500	-2.1548	1526875000	-87.046	1882330625	-29.48	3.634E+08	-99.026
1528750000	-2.772	719125000	-1.8469	719125000	-2.1525	719125000	-2.155	1528750000	-88.69	1883756250	-35.543	3.639E+08	-104.98
1530625000	-2.7742	719137500	-1.8449	719137500	-2.1489	719137500	-2.1546	1530625000	-90.916	1885181875	-34.752	3.643E+08	-97.413
1532500000	-2.7759	719150000	-1.8487	719150000	-2.1516	719150000	-2.1564	1532500000	-84.967	1886607500	-34.758	3.647E+08	-97.343
1534375000	-2.7758	719162500	-1.8483	719162500	-2.1499	719162500	-2.1591	1534375000	-60.036	1888033125	-32.858	3.652E+08	-96.371
1536250000	-2.7748	719175000	-1.85	719175000	-2.15	719175000	-2.1578	1536250000	-51.274	1889458750	-34.175	3.656E+08	-99.151
1538125000	-2.7754	719187500	-1.846	719187500	-2.1488	719187500	-2.1556	1538125000	-76.364	1890884375	-37.395	3.661E+08	-103.55
1540000000	-2.7792	719200000	-1.8468	719200000	-2.1499	719200000	-2.1575	1540000000	-91.783	1892310000	-29.92	3.665E+08	-106.45
1541875000	-2.7845	719212500	-1.845	719212500	-2.1464	719212500	-2.1555	1541875000	-92.632	1893735625	-28.903	3.669E+08	-110.03
1543750000	-2.7883	719225000	-1.8473	719225000	-2.1456	719225000	-2.156	1543750000	-92.323	1895161250	-30.616	3.674E+08	-111.53
1545625000	-2.7904	719237500	-1.8508	719237500	-2.1483	719237500	-2.1577	1545625000	-92.225	1896586875	-23.843	3.678E+08	-105.51
1547500000	-2.7923	719250000	-1.8457	719250000	-2.1439	719250000	-2.156	1547500000	-86.647	1898012500	-71.488	3.682E+08	-105.13
1549375000	-2.7944	719262500	-1.8485	719262500	-2.1454	719262500	-2.1587	1549375000	-82.16	1899438125	-46.438	3.687E+08	-99.201
1551250000	-2.7948	719275000	-1.8496	719275000	-2.146	719275000	-2.1587	1551250000	-82.68	1900863750	-43.102	3.691E+08	-98.862
1553125000	-2.7939	719287500	-1.8528	719287500	-2.1484	719287500	-2.1626	1553125000	-86.076	1902289375	-46.565	3.695E+08	-95.99
1555000000	-2.7945	719300000	-1.8518	719300000	-2.1454	719300000	-2.1602	1555000000	-75.739	1903715000	-49.621	3.700E+08	-103.8
1556875000	-2.7981	719312500	-1.8463	719312500	-2.1462	719312500	-2.1616	1556875000	-78.491	1905140625	-37.439	3.704E+08	-97.276
1558750000	-2.8026	719325000	-1.8508	719325000	-2.1449	719325000	-2.1618	1558750000	-76.859	1906566250	-42.391	3.709E+08	-94.747
1560625000	-2.8052	719337500	-1.85	719337500	-2.145	719337500	-2.1617	1560625000	-73.728	1907991875	-54.199	3.713E+08	-97.03
1562500000	-2.8066	719350000	-1.848	719350000	-2.1463	719350000	-2.1611	1562500000	-70.354	1909417500	-39.778	3.717E+08	-114.02
1564375000	-2.8089	719362500	-1.8506	719362500	-2.1477	719362500	-2.1626	1564375000	-65.775	1910843125	-36.003	3.722E+08	-101.68
1566250000	-2.8115	719375000	-1.8477	719375000	-2.1467	719375000	-2.1601	1566250000	-60.493	1912268750	-55.562	3.726E+08	-98.107
1568125000	-2.8121	719387500	-1.8499	719387500	-2.1485	719387500	-2.1631	1568125000	-54.869	1913694375	-47.529	3.730E+08	-102.94
1570000000	-2.8109	719400000	-1.8471	719400000	-2.1477	719400000	-2.1597	1570000000	-43.314	1915120000	-49.42	3.735E+08	-90.022
1571875000	-2.8117	719412500	-1.8496	719412500	-2.1489	719412500	-2.162	1571875000	-52.758	1916545625	-47.346	3.739E+08	-97.24
1573750000	-2.8155	719425000	-1.8494	719425000	-2.1511	719425000	-2.1639	1573750000	-54.088	1917971250	-28.844	3.744E+08	-95.168
1575625000	-2.8201	719437500	-1.8457	719437500	-2.1493	719437500	-2.1613	1575625000	-49.411	1919396875	-34.005	3.748E+08	-98.739
1577500000	-2.823	719450000	-1.8493	719450000	-2.1488	719450000	-2.1618	1577500000	-46.496	1920822500	-45.03	3.752E+08	-100.12
1579375000	-2.8246	719462500	-1.8474	719462500	-2.1539	719462500	-2.1642	1579375000	-60.748	1922248125	-52.347	3.757E+08	-89.568
1581250000	-2.8265	719475000	-1.8477	719475000	-2.151	719475000	-2.161	1581250000	-66.939	1923673750	-22.651	3.761E+08	-111.25
1583125000	-2.8277	719487500	-1.8519	719487500	-2.1564	719487500	-2.1663	1583125000	-70.855	1925099375	-24.318	3.765E+08	-103.73
1585000000	-2.8273	719500000	-1.8464	719500000	-2.1573	719500000	-2.1646	1585000000	-73.749	1926525000	-16.409	3.770E+08	-101.83
1586875000	-2.826	719512500	-1.8495	719512500	-2.1571	719512500	-2.1656	1586875000	-75.656	1927950625	-14.071	3.774E+08	-96.385
1588750000	-2.8266	719525000	-1.8507	719525000	-2.158	719525000	-2.1667	1588750000	-76.877	1929376250	-24.768	3.778E+08	-98.382
1590625000	-2.8296	719537500	-1.8509	719537500	-2.1602	719537500	-2.1662	1590625000	-78.731	1930801875	-45.085	3.783E+08	-106.55
1592500000	-2.8325	719550000	-1.8501	719550000	-2.1628	719550000	-2.166	1592500000	-80.334	1932227500	-41.068	3.787E+08	-102.95
1594375000	-2.8342	719562500	-1.8497	719562500	-2.1611	719562500	-2.1667	1594375000	-84.012	1933653125	-36.69	3.792E+08	-97.186
1596250000	-2.8355	719575000	-1.8508	719575000	-2.1622	719575000	-2.1652	1596250000	-88.756	1935078750	-47.904	3.796E+08	-111.41
1598125000	-2.8372	719587500	-1.8522	719587500	-2.1618	719587500	-2.1669	1598125000	-94	1936504375	-30.913	3.800E+08	-98.954
1600000000	-2.838	719600000	-1.8558	719600000	-2.1691	719600000	-2.1704	1600000000	-97.874	1937930000	-34.281	3.805E+08	-107.57
1601875000	-2.8369	719612500	-1.8543	719612500	-2.1649	719612500	-2.169	1601875000	-95.163	1939355625	-50.425	3.809E+08	-97.365
1603750000	-2.8347	719625000	-1.8506	719625000	-2.1664	719625000	-2.1705	1603750000	-95.812	1940781250	-50.706	3.813E+08	-96.683
1605625000	-2.8345	719637500	-1.8501	719637500	-2.1667	719637500	-2.1699	1605625000	-98.657	1942206875	-41.607	3.818E+08	-100.02
1607500000	-2.8371	719650000	-1.8506	719650000	-2.1698	719650000	-2.1716	1607500000	-102.26	1943632500	-19.818	3.822E+08	-96.402
1609375000	-2.8406	719662500	-1.8503	719662500	-2.1723	719662500	-2.1699	1609375000	-93.3	1945058125	-21.981	3.827E+08	-98.491
1611250000	-2.8425	719675000	-1.8514	719675000	-2.171	719675000	-2.1677	1611250000	-70.896	1946483750	-31.993	3.831E+08	-102.04
1613125000	-2.8438	719687500	-1.852	719687500	-2.1733	719687500	-2.1722	1613125000	-59.909	1947909375	-26.962	3.835E+08	-97.73
1615000000	-2.8454	719700000	-1.8518	719700000	-2.1738	719700000	-2.1675	1615000000	-74.162	1949335000	-15.99	3.840E+08	-113.04
1616875000	-2.8463	719712500	-1.8497	719712500	-2.1772	719712500	-2.169	1616875000	-87.174	1950760625	-29.918	3.844E+08	-95.592
1618750000	-2.8453	719725000	-1.8494	719725000	-2.1772	719725000	-2.1662	1618750000	-98.473	1952186250	-35.217	3.848E+08	-104.08
1620625000	-2.844	719737500	-1.8493	719737500	-2.176	719737500	-2.1696	1620625000	-92.261	1953611875	-20.801	3.853E+08	-102.65
1622500000	-2.8454	719750000	-1.8525	719750000	-2.1802	719750000	-2.1721	1622500000	-95.174	1955037500	-31.414	3.857E+08	-90.643
1624375000	-2.8493	719762500	-1.851	719762500	-2.1833	719762500	-2.1731	1624375000	-88.699	1956463125	-32.35	3.861E+08	-94.945
1626250000	-2.8528	719775000	-1.8516	719775000	-2.1847	719775000	-2.171	1626250000	-100.33	1957888750	-30.568	3.866E+08	-100.47
1628125000	-2.8546	719787500	-1.8491	719787500	-2.1815	719787500	-2.1714	1628125000	-100.19	1959314375	-29.844	3.870E+08	-91.776
1630000000	-2.8561	719800000	-1.8497	719800000	-2.1823	719800000	-2.1749	1630000000	-97.741	1960740000	-27.518	3.875E+08	-99.779
1631875000	-2.8583	719812500	-1.8492	719812500	-2.1805	719812500	-2.1706	1631875000	-94.517	1962165625	-22.673	3.879E+08	-98.063
1633750000	-2.8596	719825000	-1.8475	719825000	-2.1813	719825000	-2.1733	1633750000	-91.173	1963591250	-26.997	3.883E+08	-102.46
1635625000	-2.8586	719837500	-1.8515	719837500	-2.1847	719837500	-2.1748	1635625000	-91.903	1965016875	-34.904	3.888E+08	-100.11
1637500000	-2.8574	719850000	-1.8496	719850000	-2.1825	719850000	-2.1735	1637500000	-95.213	1966442500	-37.376	3.892E+08	-108.79
1639375000	-2.859	719862500	-1.8497	719862500	-2.1838	719862500	-2.1738	1639375000	-101.18	1967868125	-39.042	3.896E+08	-97.006
1641250000	-2.8638	719875000	-1.8496	719875000	-2.1846	719875000	-2.1765	1641250000	-94.189	1969293750	-48.747	3.901E+08	-101.74
1643125000	-2.8686	719887500	-1.8495	719887500	-2.1835	719887500	-2.1755	1643125000	-89.264	1970719375	-30.564	3.905E+08	-105.24
1645000000	-2.8718	719900000	-1.8511	719900000	-2.1838	719900000	-2.1765	1645000000	-86.93	1972145000	-35.317	3.910E+08	-110.83
1646875000	-2.8741	719912500	-1.8495	719912500	-2.1817	719912500	-2.1761	1646875000	-78.054	1973570625	-35.844	3.914E+08	-102.44
1648750000	-2.8769	719925000	-1.8508	719925000	-2.1847	719925000	-2.1774	1648750000	-73.781	1974996250	-30.625	3.918E+08	-107.24
1650625000	-2.8788	719937500	-1.8519	719937500	-2.1846	719937500	-2.1778	1650625000	-64.244	1976421875	-63.751	3.923E+08	-103.99
1652500000	-2.8792	719950000	-1.8502	719950000	-2.1843	719950000	-2.1816	1652500000	-30.991	1977847500	-68.957	3.927E+08	-101.71
1654375000	-2.8793	719962500	-1.8533	719962500	-2.1871	719962500	-2.179	1654375000	-45.3	1979273125	-52.886	3.931E+08	-101.24
1656250000	-2.8812	719975000	-1.8509	719975000	-2.1835	719975000	-2.1801	1656250000	-46.274	1980698750	-33.046	3.936E+08	-102.07
1658125000	-2.8852	719987500	-1.8494	719987500	-2.184	719987500	-2.1804	1658125000	-40.898	1982124375	-29.94	3.940E+08	-97.856

max=>
min=>

Frequency Hz	Frequency MHz	Freq MHz	Cable loss dB	Dielectric S21	Freq MHz	Cable loss	s21 Dielectric dB	Freq MHz	Cable loss	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	720.1	1.9	-0.3	398.4	1.4	-91.3	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	1.8	-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	1.8	-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	720.5	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	-105.9	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	721.1	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	1.8	-0.5	433.8	1.5	-89.6	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 anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[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	-2.9371
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 anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+~~[fine match to antenna]~~+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

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	-2.2408
720625000	-2.2429
720637500	-2.2422
720650000	-2.2471
720662500	-2.2463
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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

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	-2.228
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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

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
1660000000	-27.297
1661875000	-39.998
1663750000	-46.432
1665625000	-52.495
1667500000	-69.801
1669375000	-59.967
1671250000	-53.824
1673125000	-45.247
1675000000	-25.601
1676875000	-35.788
1678750000	-38.426
1680625000	-34.78
1682500000	-41.27
1684375000	-48.845
1686250000	-54.162
1688125000	-50.38
1690000000	-60.605
1691875000	-45.569
1693750000	-45.149
1695625000	-61.443
1697500000	-41.485
1699375000	-39.834
1701250000	-35.702
1703125000	-28.68
1705000000	-14.581
1706875000	-12.752
1708750000	-18.78
1710625000	-37.805
1712500000	-23.388
1714375000	-34.03
1716250000	-31.383
1718125000	-23.4
1720000000	-23.5
1721875000	-28.571
1723750000	-31.357
1725625000	-33.161
1727500000	-41.92
1729375000	-19.265
1731250000	-16.185
1733125000	-25.411
1735000000	-12.813
1736875000	-22.552
1738750000	-35.736
1740625000	-46.373
1742500000	-45.489
1744375000	-33.668
1746250000	-35.156
1748125000	-59.129
1750000000	-52.681
1751875000	-33.144
1753750000	-20.307
1755625000	-20.489
1757500000	-54.846
1759375000	-49.205
1761250000	-44.389
1763125000	-44.905
1765000000	-43.012
1766875000	-28.812
1768750000	-25.568
1770625000	-35.562
1772500000	-59.707
1774375000	-61.268
1776250000	-77.484
1778125000	-80.177
1780000000	-80.233
1781875000	-70.17
1783750000	-80.472
1785625000	-49.66
1787500000	-48.885
1789375000	-51.918
1791250000	-59.023
1793125000	-38.432
1795000000	-50.329
1796875000	-39.532
1798750000	-38.302
1800625000	-61.888
1802500000	-70.379
1804375000	-72.337
1806250000	-58.279
1808125000	-40.89
1810000000	-34.517
1811875000	-44.244
1813750000	-41.162
1815625000	-31.617
1817500000	-34.642
1819375000	-40.379
1821250000	-28.574
1823125000	-32.584
1825000000	-34.757
1826875000	-21.72
1828750000	-24.043
1830625000	-37.129
1832500000	-50.595
1834375000	-32.323
1836250000	-25.383
1838125000	-20.089
1840000000	-38.486
1841875000	-33.184
1843750000	-43.424
1845625000	-34.916
1847500000	-25.549
1849375000	-21.442
1851250000	-19.024
1853125000	-27.568
1855000000	-40.735
1856875000	-44.653
1858750000	-43.47
1860625000	-43.097
1862500000	-39.12
1864375000	-28.548

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

NA	FW_VERSION	FW_DATE
HP8753ES	7.74	3.76E+04
DATE	TIME	
4 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
1983550000	-47.153
1984975625	-47.327
1986401250	-43.765
1987826875	-54.279
1989252500	-38.667
1990678125	-35.341
1992103750	-47.483
1993529375	-62.542
1994955000	-70.774
1996380625	-66.767
1997806250	-58.144
1999231875	-72.083
2000657500	-54.671
2002083125	-57.162
2003508750	-62.165
2004934375	-60.069
2006360000	-40.53
2007785625	-50.705
2009211250	-54.72
2010636875	-55.912
2012062500	-53.485
2013488125	-39.916
2014913750	-46.789
2016339375	-58.06
2017765000	-61.91
2019190625	-46.836
2020616250	-44.132
2022041875	-54.085
2023467500	-38.321
2024893125	-27.886
2026318750	-21.521
2027744375	-27.677
2029170000	-19.928
2030595625	-18.169
2032021250	-31.457
2033446875	-20.39
2034872500	-21.369
2036298125	-19.296
2037723750	-21.734
2039149375	-22.889
2040575000	-26.704
2042000625	-19.453
2043426250	-16.669
2044851875	-17.56
2046277500	-21.835
2047703125	-23.645
2049128750	-25.078
2050554375	-31.16
2051980000	-34.03
2053405625	-17.914
2054831250	-28.553
2056256875	-25.637
2057682500	-19.76
2059108125	-16.633
2060533750	-24.905
2061959375	-31.827
2063385000	-36.508
2064810625	-40.118
2066236250	-43.052
2067661875	-45.091
2069087500	-46.315
2070513125	-56.42
2071938750	-55.466
2073364375	-46.526
2074790000	-30.201
2076215625	-30.422
2077641250	-43.39
2079066875	-48.496
2080492500	-51.634
2081918125	-55.295
2083343750	-66.637
2084769375	-37.466
2086195000	-43.879
2087620625	-45.141
2089046250	-44.666
2090471875	-43.024
2091897500	-40.625
2093323125	-38.426
2094748750	-42.221
2096174375	-47.913
2097600000	-52.776
2099025625	-59.035
2100451250	-67.531
2101876875	-62.648
2103302500	-59.072
2104728125	-55.72
2106153750	-48.597
2107579375	-66.717
2109005000	-66.298
2110430625	-65.962
2111856250	-83.048
2113281875	-56.638
2114707500	-46.155
2116133125	-26.9
2117558750	-27.062
2118984375	-32.294
2120410000	-31.338
2121835625	-26.317
2123261250	-17.281
2124686875	-12.325
2126112500	-24.972
2127538125	-18.67
2128963750	-11.942
2130389375	-12.13
2131815000	-18.578
2133240625	-22.562
2134666250	-27.595
2136091875	-27.739
2137517500	-18.601
2138943125	-28.593

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

FREQUENCY Hz	UNITS dB
3.945E+08	-98.515
3.949E+08	-91.985
3.953E+08	-96.163
3.958E+08	-95.616
3.962E+08	-101.34
3.966E+08	-106.32
3.971E+08	-98.505
3.975E+08	-107.19
3.979E+08	-95.453
3.984E+08	-92.741
3.988E+08	-93.815
3.993E+08	-95.719
3.997E+08	-90.914
4.001E+08	-98.967
4.006E+08	-98.937
4.010E+08	-93.783
4.014E+08	-108.75
4.019E+08	-100.63
4.023E+08	-104.56
4.028E+08	-102.44
4.032E+08	-101.09
4.036E+08	-121.47
4.041E+08	-100.34
4.045E+08	-102.74
4.049E+08	-100.52
4.054E+08	-103.46
4.058E+08	-97.386
4.062E+08	-98.965
4.067E+08	-99.118
4.071E+08	-100.22
4.076E+08	-94.515
4.080E+08	-105.67
4.084E+08	-98.309
4.089E+08	-94.168
4.093E+08	-104.87
4.097E+08	-103.04
4.102E+08	-99.43
4.106E+08	-97.668
4.111E+08	-101.85
4.115E+08	-97.585
4.119E+08	-92.461
4.124E+08	-91.228
4.128E+08	-98.646
4.132E+08	-102.89
4.137E+08	-102.96
4.141E+08	-103.27
4.145E+08	-111.1
4.150E+08	-104.93
4.154E+08	-102.4
4.159E+08	-97.933
4.163E+08	-101.9
4.167E+08	-126.67
4.172E+08	-99.654
4.176E+08	-99.814
4.180E+08	-105.35
4.185E+08	-91.082
4.189E+08	-105.53
4.194E+08	-93.793
4.198E+08	-100.24
4.202E+08	-117.45
4.207E+08	-94.106
4.211E+08	-93.098
4.215E+08	-107.34
4.220E+08	-95.524
4.224E+08	-106.31
4.228E+08	-103.89
4.233E+08	-98.096
4.237E+08	-94.655
4.242E+08	-101.25
4.246E+08	-99.803
4.250E+08	-107.23
4.255E+08	-111.17
4.259E+08	-111.73
4.263E+08	-105.51
4.268E+08	-106.25
4.272E+08	-97.988
4.277E+08	-102.04
4.281E+08	-115.39
4.285E+08	-101.02
4.290E+08	-94.053
4.294E+08	-93.497
4.298E+08	-100.37
4.303E+08	-101.76
4.307E+08	-100.1
4.311E+08	-91.338
4.316E+08	-91.743
4.320E+08	-89.468
4.325E+08	-98.4
4.329E+08	-95.377
4.333E+08	-90.508
4.338E+08	-91.035
4.342E+08	-101.99
4.346E+08	-97.72
4.351E+08	-101.85
4.355E+08	-101.04
4.360E+08	-94.301
4.364E+08	-104.56
4.368E+08	-110.1
4.373E+08	-95.261
4.377E+08	-102.66
4.381E+08	-102.75
4.386E+08	-101.61
4.390E+08	-100.73
4.394E+08	-105.21
4.399E+08	-109.6
4.403E+08	-105.71
4.408E+08	-106.35
4.412E+08	-106.25
4.416E+08	-111.38
4.421E+08	-108.38

max=>
min=>

Frequency Hz	Frequency MHz	Freq MHz	Cable loss dB	Dielectric S21	Freq MHz	Cable loss	s21 Dielectric dB	Freq MHz	Cable loss	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	721.4	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	-97.8	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	-107.4	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 anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[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

[N right anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+ ~~[fine match to antenna]~~+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

NA	FW_VERSION	FW_DATE
HP8753ES	7.74	3.76E+04
DATE	TIME	
4 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

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

FREQUENCY	UNITS	FREQUENCY	UNITS	FREQUENCY	UNITS	FREQUENCY	UNITS	FREQUENCY	UNITS	FREQUENCY	UNITS	FREQUENCY	UNITS
Hz	dB	Hz	dB	Hz	dB	Hz	dB	Hz	dB	Hz	dB	Hz	dB
1866250000	-3.0493	721375000	-1.8522	721375000	-2.5232	721375000	-2.5278	1866250000	-20.648	2140368750	-29.053	4.425E+08	-103.01
1868125000	-3.0512	721387500	-1.85	721387500	-2.5368	721387500	-2.5388	1868125000	-16.388	2141794375	-39.725	4.429E+08	-105.62
1870000000	-3.0512	721400000	-1.8514	721400000	-2.5466	721400000	-2.5531	1870000000	-17.927	2143220000	-53.05	4.434E+08	-95.261
1871875000	-3.0505	721412500	-1.8522	721412500	-2.5602	721412500	-2.5623	1871875000	-15.292	2144645625	-62.48	4.438E+08	-92.621
1873750000	-3.0523	721425000	-1.8527	721425000	-2.5771	721425000	-2.5829	1873750000	-12.571	2146071250	-97.113	4.443E+08	-95.689
1875625000	-3.0565	721437500	-1.8555	721437500	-2.5918	721437500	-2.5956	1875625000	-25.678	2147496875	-86.246	4.447E+08	-93.62
1877500000	-3.0607	721450000	-1.8517	721450000	-2.6044	721450000	-2.6138	1877500000	-35.621	2148922500	-95.53	4.451E+08	-96.682
1879375000	-3.0634	721462500	-1.8534	721462500	-2.624	721462500	-2.6328	1879375000	-42.498	2150348125	-105.95	4.456E+08	-96.206
1881250000	-3.0659	721475000	-1.8534	721475000	-2.6433	721475000	-2.6521	1881250000	-19.759	2151773750	-91.341	4.460E+08	-95.775
1883125000	-3.0688	721487500	-1.8556	721487500	-2.6654	721487500	-2.676	1883125000	-39.354	2153199375	-97.83	4.464E+08	-102.17
1885000000	-3.0709	721500000	-1.8546	721500000	-2.6871	721500000	-2.6964	1885000000	-34.883	2154625000	-86.947	4.469E+08	-94.148
1886875000	-3.0713	721512500	-1.8552	721512500	-2.7072	721512500	-2.7202	1886875000	-34.758	2156050625	-72.658	4.473E+08	-98.731
1888750000	-3.0716	721525000	-1.8567	721525000	-2.7348	721525000	-2.746	1888750000	-30.435	2157476250	-82.715	4.477E+08	-101.91
1890625000	-3.0741	721537500	-1.8578	721537500	-2.7622	721537500	-2.7722	1890625000	-39.119	2158901875	-93.862	4.482E+08	-100.25
1892500000	-3.0788	721550000	-1.8516	721550000	-2.7878	721550000	-2.799	1892500000	-29.422	2160327500	-101.76	4.486E+08	-96.181
1894375000	-3.0837	721562500	-1.856	721562500	-2.8192	721562500	-2.8325	1894375000	-31.115	2161753125	-100.88	4.491E+08	-95.154
1896250000	-3.0873	721575000	-1.8549	721575000	-2.8557	721575000	-2.8651	1896250000	-26.82	2163178750	-98.459	4.495E+08	-104.08
1898125000	-3.0902	721587500	-1.8534	721587500	-2.8905	721587500	-2.904	1898125000	-67.681	2164604375	-91.707	4.499E+08	-104.39
1900000000	-3.093	721600000	-1.8525	721600000	-2.9318	721600000	-2.9432	1900000000	-47.573	2166030000	-91.761	4.504E+08	-101.81
1901875000	-3.0953	721612500	-1.8542	721612500	-2.9778	721612500	-2.9864	1901875000	-41.797	2167455625	-82.016	4.508E+08	-108.11
1903750000	-3.0965	721625000	-1.8515	721625000	-3.025	721625000	-3.0346	1903750000	-50.045	2168881250	-89.839	4.512E+08	-101.85
1905625000	-3.0972	721637500	-1.8525	721637500	-3.0855	721637500	-3.096	1905625000	-38.699	2170306875	-81.952	4.517E+08	-104.88
1907500000	-3.0996	721650000	-1.8545	721650000	-3.1569	721650000	-3.1654	1907500000	-64.735	2171732500	-82.479	4.521E+08	-108.57
1909375000	-3.1041	721662500	-1.8521	721662500	-3.2326	721662500	-3.2392	1909375000	-40.028	2173158125	-84.305	4.526E+08	-97.818
1911250000	-3.1087	721675000	-1.8501	721675000	-3.3215	721675000	-3.3271	1911250000	-37.518	2174583750	-55.069	4.530E+08	-105.77
1913125000	-3.1116	721687500	-1.8526	721687500	-3.4287	721687500	-3.4336	1913125000	-48.568	2176009375	-69.754	4.534E+08	-104.35
1915000000	-3.1133	721700000	-1.8525	721700000	-3.5608	721700000	-3.5618	1915000000	-49.384	2177435000	-49.368	4.539E+08	-99.32
1916875000	-3.115	721712500	-1.8512	721712500	-3.7249	721712500	-3.7254	1916875000	-38.211	2178860625	-44.673	4.543E+08	-125.57
1918750000	-3.1163	721725000	-1.8531	721725000	-3.9495	721725000	-3.9463	1918750000	-27.938	2180286250	-43.954	4.547E+08	-97.327
1920625000	-3.1159	721737500	-1.8543	721737500	-4.2761	721737500	-4.2684	1920625000	-45.608	2181711875	-66.816	4.552E+08	-96.038
1922500000	-3.1148	721750000	-1.8538	721750000	-4.7668	721750000	-4.7608	1922500000	-52.939	2183137500	-67.62	4.556E+08	-98.162
1924375000	-3.1156	721762500	-1.8574	721762500	-5.5253	721762500	-5.5268	1924375000	-22.864	2184563125	-61.562	4.560E+08	-95.923
1926250000	-3.1186	721775000	-1.8515	721775000	-6.6564	721775000	-6.6815	1926250000	-18.501	2185988750	-70.167	4.565E+08	-98.011
1928125000	-3.1212	721787500	-1.8565	721787500	-8.2383	721787500	-8.3001	1928125000	-15.636	2187414375	-51.035	4.569E+08	-94.996
1930000000	-3.1223	721800000	-1.8572	721800000	-10.262	721800000	-10.364	1930000000	-34.274	2188840000	-51.536	4.574E+08	-97.227
1931875000	-3.1232	721812500	-1.8535	721812500	-12.637	721812500	-12.777	1931875000	-42.783	2190265625	-34.274	4.578E+08	-97.164
1933750000	-3.1249	721825000	-1.8551	721825000	-15.25	721825000	-15.411	1933750000	-35.756	2191691250	-27.032	4.582E+08	-97.154
1935625000	-3.1259	721837500	-1.8525	721837500	-17.994	721837500	-18.169	1935625000	-41.613	2193116875	-18.993	4.587E+08	-91.437
1937500000	-3.1248	721850000	-1.8536	721850000	-20.829	721850000	-21.019	1937500000	-30.756	2194542500	-16.905	4.591E+08	-95.473
1939375000	-3.1231	721862500	-1.8505	721862500	-23.713	721862500	-23.896	1939375000	-51.197	2195968125	-22.693	4.595E+08	-98.763
1941250000	-3.1233	721875000	-1.8548	721875000	-26.606	721875000	-26.788	1941250000	-53.262	2197393750	-35.569	4.600E+08	-94.179
1943125000	-3.1254	721887500	-1.8545	721887500	-29.508	721887500	-29.694	1943125000	-24.927	2198819375	-52.039	4.604E+08	-98.887
1945000000	-3.1268	721900000	-1.8518	721900000	-32.426	721900000	-32.596	1945000000	-22.685	2200245000	-72.118	4.609E+08	-100.63
1946875000	-3.1272	721912500	-1.8557	721912500	-35.325	721912500	-35.492	1946875000	-33.176	2201670625	-54.748	4.613E+08	-95.618
1948750000	-3.1278	721925000	-1.8514	721925000	-38.183	721925000	-38.344	1948750000	-16.9	2203096250	-43.16	4.617E+08	-97.572
1950625000	-3.1291	721937500	-1.8526	721937500	-40.992	721937500	-41.147	1950625000	-27.157	2204521875	-30.806	4.622E+08	-95.365
1952500000	-3.1293	721950000	-1.8531	721950000	-43.693	721950000	-43.82	1952500000	-35.828	2205947500	-26.287	4.626E+08	-102.76
1954375000	-3.1272	721962500	-1.8512	721962500	-46.153	721962500	-46.364	1954375000	-22.597	2207373125	-43.139	4.630E+08	-102.65
1956250000	-3.1252	721975000	-1.8532	721975000	-48.4	721975000	-48.572	1956250000	-34.607	2208798750	-55.585	4.635E+08	-102.61
1958125000	-3.1255	721987500	-1.8531	721987500	-50.259	721987500	-50.43	1958125000	-30.622	2210224375	-68.176	4.639E+08	-102.88
1960000000	-3.1277	722000000	-1.8557	722000000	-51.731	722000000	-51.877	1960000000	-29.091	2211650000	-77.867	4.644E+08	-111.03
1961875000	-3.1295	722012500	-1.8521	722012500	-52.713	722012500	-52.848	1961875000	-24.25	2213075625	-70.118	4.648E+08	-113.13
1963750000	-3.1298	722025000	-1.8533	722025000	-53.434	722025000	-53.486	1963750000	-30.453	2214501250	-67.336	4.652E+08	-108.04
1965625000	-3.1303	722037500	-1.852	722037500	-53.764	722037500	-53.805	1965625000	-35.723	2215926875	-44.487	4.657E+08	-99.27
1967500000	-3.1318	722050000	-1.8545	722050000	-53.772	722050000	-53.904	1967500000	-40.67	2217352500	-26.099	4.661E+08	-104.71
1969375000	-3.1323	722062500	-1.8545	722062500	-53.779	722062500	-53.871	1969375000	-46.739	2218778125	-15.118	4.665E+08	-96.888
1971250000	-3.1307	722075000	-1.8551	722075000	-53.755	722075000	-53.783	1971250000	-31.193	2220203750	-26.508	4.670E+08	-94.222
1973125000	-3.1292	722087500	-1.8546	722087500	-53.681	722087500	-53.729	1973125000	-36.284	2221629375	-49.348	4.674E+08	-91.86
1975000000	-3.1298	722100000	-1.854	722100000	-53.576	722100000	-53.582	1975000000	-33.09	2223055000	-38.473	4.678E+08	-103.7
1976875000	-3.1327	722112500	-1.8573	722112500	-53.5	722112500	-53.532	1976875000	-57.987	2224480625	-37.803	4.683E+08	-93.932
1978750000	-3.1352	722125000	-1.8581	722125000	-53.5	722125000	-53.54	1978750000	-61.974	2225906250	-42.588	4.687E+08	-93.759
1980625000	-3.1366	722137500	-1.8565	722137500	-53.493	722137500	-53.501	1980625000	-34.354	2227331875	-46.318	4.692E+08	-89.264
1982500000	-3.1379	722150000	-1.8533	722150000	-53.587	722150000	-53.643	1982500000	-35.501	2228757500	-48.705	4.696E+08	-94.046
1984375000	-3.1395	722162500	-1.8524	722162500	-53.684	722162500	-53.7	1984375000	-51.824	2230183125	-53.697	4.700E+08	-95.269
1986250000	-3.14	722175000	-1.8531	722175000	-53.85	722175000	-53.837	1986250000	-42.228	2231608750	-63.833	4.705E+08	-109.94
1988125000	-3.1394	722187500	-1.8566	722187500	-54.036	722187500	-54.067	1988125000	-52.083	2233034375	-63.375	4.709E+08	-103.56
1990000000	-3.1397	722200000	-1.857	722200000	-54.335	722200000	-54.267	1990000000	-41.903	2234460000	-49.829	4.713E+08	-103.05
1991875000	-3.1423	722212500	-1.854	722212500	-54.607	722212500	-54.531	1991875000	-46.442	2235885625	-46.908	4.718E+08	-109.08
1993750000	-3.1455	722225000	-1.8548	722225000	-54.926	722225000	-54.865	1993750000	-65.141	2237311250	-49.069	4.722E+08	-103.87
1995625000	-3.1479	722237500	-1.8542	722237500	-55.314	722237500	-55.247	1995625000	-88.548	2238736875	-36.549	4.727E+08	-99.09
1997500000	-3.1494	722250000	-1.8504	722250000	-55.756	722250000	-55.665	1997500000	-57.889	2240162500	-23.601	4.731E+08	-111.39
1999375000	-3.1517	722262500	-1.8574	722262500	-56.256	722262500	-56.067	1999375000	-72.598	2241588125	-26.116	4.735E+08	-99.905
2001250000	-3.1546	722275000	-1.8511	722275000	-56.68	722275000	-56.559	2001250000	-52.544	2243013750	-30.682	4.740E+08	-101.94
2003125000	-3.1565	722287500	-1.8552	722287500	-57.318	722287500	-57.12	2003125000	-59.404	2244439375	-39.375	4.744E+08	-104.29
2005000000	-3.1572	722300000	-1.8546	722300000	-57.942	722300000	-57.726	2005000000	-58.095	2245865000	-43.931	4.748E+08	-102.06
2006875000	-3.1586	722312500	-1.8548	722312500	-58.388	722312500	-58.326	2006875000	-44.176	2247290625	-59.631	4.753E+08	-119.42
2008750000	-3.1618	722325000	-1.8563	722325000	-59.187	722325000	-59.057	2008750000	-54.018	2248716250	-22.382	4.757E+08	-104.13
2010625000	-3.1657	722337500	-1.8543	722337500	-59.95	722337500	-59.786	2010625000	-55.904	2250141875	-23.12	4.761E+08	-102.33
2012500000	-3.1689	722350000	-1.8553	722350000	-60.732	722350000	-60.613	2012500000	-51.23	2251567500	-28.079	4.766E+08	-108.28
2014375000	-3.171	722362500	-1.8551	722362500	-61.611	722362500	-61.41	2014375000	-40.504	2252993125	-56.395	4.770E+08	-97.045
2016250000	-3.1734	722375000	-1.8564	722375000	-62.66	722375000	-62.457	2016250000	-58.27	2254418750	-43.555	4.775E+08	-104.72
2018125000	-3.1759	722387500	-1.8557	722387500	-63.736	722387500	-63.477	2018125000	-65.029	2255844375	-58.842	4.779E+08	-99.919
2020000000	-3.1776	722400000	-1.8554	722400000	-64.859	722400000	-64.676	2020000000	-41.108	2257270000	-68.355	4.783E+08	-93.469
2021875000	-3.1784	722412500	-1.8554	722412500	-66.222	722412500	-66.054	2021875000	-55.272	2258695625	-61.251	4.788E+08	-95.3
2023750000	-3.1798	722425000	-1.8574	722425000	-67.807	722425000	-67.55	2023750000	-41.995	2260121250	-52.359	4.792E+08	-92.014
2025625000	-3.1835	722437500	-1.8551	722437500	-69.665	722437500	-69.441	2025625000	-21.71	2261546875	-50.718	4.796E+08	-106.49
2027500000	-3.1882	722450000	-1.8565	722450000	-71.763	722450000	-71.559	2027500000	-29.007	2262972500	-40.203	4.801E+08	-93.251
2029375000	-3.1917	722462500	-1.8574	722462500	-74.731	722462500	-74.382	2029375000	-20.456	2264398125	-35.966	4.805E+08	-113.09
2031250000	-3.1937	722475000	-1.8527	722475000	-78.752	722475000	-77.905	2031250000	-19.651	2265823750	-35.116	4.810E+08	-93.234
2033125000	-3.1957	722487500	-1.857	722487500	-82.779	722487500	-81.927	2033125000	-24.127	2267249375	-34.614	4.814E+08	-91.189
2035000000	-3.1978	722500000	-1.8553	722500000	-81.606	722500000	-81.897	2035000000	-23.237	2268675000	-35.873	4.818E+08	-104.78
2036875000	-3.1995	722512500	-1.8563	722512500	-78.213	722512500	-78.121	2036875000	-16.748	2270100625	-22.343	4.823E+08	-96.709
2038750000	-3.1996	722525000	-1.8582	722525000	-75.784	722525000	-75.449	2038750000	-21.813	2271526250	-21.935	4.827E+08	-95.551
2040625000	-3.2001	722537500	-1.8561	722537500	-72.891	722537500	-72.454	2040625000	-24.833	2272951875	-26.314	4.831E+08	-92.429
2042500000	-3.2027	722550000	-1.8536	722550000	-71.226	722550000	-70.678	2042500000	-18.909	2274377500	-22.103	4.836E+08	-99.81
2044375000	-3.2063	722562500	-1.8549	722562500	-69.499	722562500	-69.431	2044375000	-16.908	2275803125	-18.297	4.840E+08	-96.799
2046250000	-3.2092	722575000	-1.8541	722575000	-68.348	722575000	-67.965	2046250000	-21.848	2277228750	-34.386	4.844E+08	-100.59
2048125000	-3.2113	722587500	-1.8559	722587500	-67.308	722587500	-66.834	2048125000	-23.995	2278654375	-30.099	4.849E+08	-99.249
2050000000	-3.2131	722600000	-1.8529	722600000	-66.372	722600000	-66.258	2050000000	-28.599	2280080000	-43.34	4.853E+08	-97.529
2051875000	-3.2147	722612500	-1.8553	722612500	-65.64	722612500	-65.257	2051875000	-34.563	2281505625	-41.127	4.858E+08	-100.85
2053750000	-3.2152	722625000	-1.856	722625000	-64.902	722625000	-64.718	2053750000	-19.636	2282931250	-64.715	4.862E+08	-122.9
2055625000	-3.2148	722637500	-1.8548	722637500	-64.413	722637500	-64.295	2055625000	-31.813	2284356875	-57.6	4.866E+08	-101.4
2057500000	-3.2152	722650000	-1.8519	722650000	-63.732	722650000	-63.667	2057500000	-20.734	2285782500	-44.653	4.871E+08	-100.44
2059375000	-3.2173	722662500	-1.8582	722662500	-63.296	722662500	-63.245	2059375000	-18.777	2287208125	-55.36	4.875E+08	-108.93
2061250000	-3.2196	722675000	-1.8558	722675000	-62.873	722675000	-62.729	2061250000	-28.76	2288633750	-67.48	4.879E+08	-103.83
2063125000	-3.2208	722687500	-1.8572	722687500	-62.514	722687500	-62.269	2063125000	-35.779	2290059375	-69.372	4.884E+08	-103.78
2065000000	-3.2214	722700000	-1.8589	722700000	-62.282	722700000	-62.181	2065000000	-40.562	2291485000	-76.964	4.888E+08	-92.83
2066875000	-3.2224	722712500	-1.8564	722712500	-61.942	722712500	-61.652	2066875000	-44.319	2292910625	-82.464	4.893E+08	-115.61
2068750000	-3.2235	722725000	-1.8574	722725000	-61.603	722725000	-61.576	2068750000	-46.04	2294336250	-62.1	4.897E+08	-100.08
2070625000	-3.2233	722737500	-1.8554	722737500	-61.397	722737500	-61.283	2070625000	-56.688	2295761875	-85.449	4.901E+08	-100.37

max=>
min=>

Frequency Hz	Frequency MHz	Freq MHz	Cable loss dB	Dielectric S21	Freq MHz	Cable loss	s21 Dielectric dB	Freq MHz	Cable loss	s21 Dielectric dB
720875000	720.875	722.8	1.9	-59.2	490.6	1.6	-100.9	2297.2	3.4	-68.2
720881250	720.881	722.8	1.9	-59.1	491.0	1.6	-93.5	2298.6	3.4	-87.7
720887500	720.888	722.8	1.9	-58.9	491.4	1.6	-96.5	2300.0	3.4	-70.6
720893750	720.894	722.8	1.9	-58.7	491.9	1.6	-98.6	2301.5	3.4	-77.9
720900000	720.900	722.8	1.9	-58.5	492.3	1.6	-93.6	2302.9	3.4	-86.1
720906250	720.906	722.8	1.9	-58.3	492.7	1.6	-107.6	2304.3	3.4	-94.6
720912500	720.913	722.8	1.9	-58.3	493.2	1.6	-102.7	2305.7	3.4	-93.8
720918750	720.919	722.8	1.9	-58.1	493.6	1.6	-101.6	2307.2	3.4	-90.5
720925000	720.925	722.9	1.9	-58.0	494.1	1.6	-95.8	2308.6	3.4	-90.0
720931250	720.931	722.9	1.9	-57.9	494.5	1.6	-94.9	2310.0	3.4	-84.4
720937500	720.938	722.9	1.9	-57.9	494.9	1.6	-92.0	2311.4	3.4	-79.5
720943750	720.944	722.9	1.9	-57.8	495.4	1.6	-93.7	2312.9	3.4	-73.1
720950000	720.950	722.9	1.9	-57.7	495.8	1.6	-104.6	2314.3	3.4	-46.0
720956250	720.956	722.9	1.9	-57.6	496.2	1.6	-107.5	2315.7	3.4	-19.0
720962500	720.963	722.9	1.9	-57.6	496.7	1.6	-95.9	2317.1	3.4	-33.8
720968750	720.969	722.9	1.9	-57.7	497.1	1.6	-102.9	2318.6	3.4	-44.2
720975000	720.975	723.0	1.9	-57.5	497.6	1.6	-105.2	2320.0	3.4	-37.5
720981250	720.981	723.0	1.9	-57.6	498.0	1.6	-95.4	2321.4	3.4	-51.6
720987500	720.988	723.0	1.9	-57.6	498.4	1.6	-105.5	2322.8	3.4	-69.2
720993750	720.994	723.0	1.9	-57.5	498.9	1.6	-110.1	2324.3	3.4	-57.3
721000000	721.000	723.0	1.9	-57.5	499.3	1.6	-102.8	2325.7	3.4	-57.4
721006250	721.006	723.0	1.9	-57.5	499.7	1.6	-113.4	2327.1	3.4	-53.2
721012500	721.013	723.0	1.9	-57.4	500.2	1.6	-103.7	2328.6	3.4	-49.1
721018750	721.019	723.0	1.9	-57.5	500.6	1.6	-102.7	2330.0	3.4	-95.2
721025000	721.025	723.1	1.9	-57.4	501.0	1.6	-103.4	2331.4	3.4	-85.9
721031250	721.031	723.1	1.9	-57.5	501.5	1.6	-102.8	2332.8	3.4	-90.6
721037500	721.038	723.1	1.9	-57.5	501.9	1.6	-102.9	2334.3	3.4	-100.5
721043750	721.044	723.1	1.9	-57.6	502.4	1.6	-105.5	2335.7	3.4	-96.4
721050000	721.050	723.1	1.9	-57.5	502.8	1.6	-94.5	2337.1	3.4	-95.9
721056250	721.056	723.1	1.9	-57.6	503.2	1.6	-99.3	2338.5	3.4	-99.5
721062500	721.063	723.1	1.9	-57.6	503.7	1.6	-90.3	2340.0	3.4	-93.9
721068750	721.069	723.1	1.9	-57.6	504.1	1.6	-98.2	2341.4	3.4	-85.8
721075000	721.075	723.2	1.9	-57.7	504.5	1.6	-92.3	2342.8	3.4	-87.5
721081250	721.081	723.2	1.9	-57.7	505.0	1.6	-99.3	2344.2	3.4	-97.0
721087500	721.088	723.2	1.9	-57.7	505.4	1.6	-95.1	2345.7	3.4	-101.1
721093750	721.094	723.2	1.9	-57.9	505.9	1.6	-107.4	2347.1	3.4	-108.8
721100000	721.100	723.2	1.9	-57.8	506.3	1.6	-98.2	2348.5	3.4	-94.6
721106250	721.106	723.2	1.9	-57.8	506.7	1.6	-94.4	2349.9	3.4	-102.7
721112500	721.113	723.2	1.9	-58.0	507.2	1.6	-95.3	2351.4	3.4	-99.6
721118750	721.119	723.2	1.9	-58.0	507.6	1.6	-95.3	2352.8	3.4	-95.1
721125000	721.125	723.3	1.9	-58.1	508.0	1.6	-99.6	2354.2	3.4	-92.2
721131250	721.131	723.3	1.9	-58.1	508.5	1.6	-95.6	2355.6	3.4	-88.5
721137500	721.138	723.3	1.9	-58.3	508.9	1.6	-99.5	2357.1	3.4	-91.4
721143750	721.144	723.3	1.9	-58.3	509.3	1.6	-93.9	2358.5	3.4	-98.7
721150000	721.150	723.3	1.9	-58.3	509.8	1.6	-104.7	2359.9	3.4	-97.6
721156250	721.156	723.3	1.9	-58.4	510.2	1.6	-117.1	2361.3	3.4	-92.1
721162500	721.163	723.3	1.9	-58.6	510.7	1.6	-101.9	2362.8	3.4	-92.2
721168750	721.169	723.3	1.9	-58.5	511.1	1.6	-111.1	2364.2	3.4	-94.2
721175000	721.175	723.4	1.9	-58.6	511.5	1.6	-105.7	2365.6	3.4	-88.6
721181250	721.181	723.4	1.9	-58.7	512.0	1.6	-97.1	2367.0	3.4	-91.7
721187500	721.188	723.4	1.9	-58.7	512.4	1.6	-101.0	2368.5	3.4	-89.7
721193750	721.194	723.4	1.9	-58.8	512.8	1.6	-98.5	2369.9	3.4	-100.3
721200000	721.200	723.4	1.9	-58.8	513.3	1.6	-97.5	2371.3	3.4	-97.7
721206250	721.206	723.4	1.9	-58.9	513.7	1.6	-99.4	2372.7	3.4	-94.0
721212500	721.213	723.4	1.9	-58.9	514.2	1.6	-96.0	2374.2	3.4	-98.5
721218750	721.219	723.4	1.9	-59.1	514.6	1.6	-94.1	2375.6	3.4	-95.0
721225000	721.225	723.5	1.9	-59.2	515.0	1.6	-103.1	2377.0	3.4	-86.8
721231250	721.231	723.5	1.9	-59.3	515.5	1.6	-95.5	2378.4	3.4	-94.4
721237500	721.238	723.5	1.9	-59.4	515.9	1.6	-109.2	2379.9	3.4	-87.5
721243750	721.244	723.5	1.9	-59.5	516.3	1.6	-100.8	2381.3	3.4	-83.6
721250000	721.250	723.5	1.9	-59.5	516.8	1.6	-99.7	2382.7	3.5	-82.4
721256250	721.256	723.5	1.9	-59.5	517.2	1.6	-102.1	2384.2	3.5	-46.4
721262500	721.263	723.5	1.9	-59.8	517.6	1.6	-93.0	2385.6	3.5	-35.5
721268750	721.269	723.5	1.9	-59.8	518.1	1.6	-99.2	2387.0	3.5	-32.4
721275000	721.275	723.6	1.9	-59.8	518.5	1.6	-92.2	2388.4	3.5	-25.1
721281250	721.281	723.6	1.9	-59.9	519.0	1.6	-95.7	2389.9	3.5	-14.1
721287500	721.288	723.6	1.9	-59.9	519.4	1.6	-94.7	2391.3	3.5	-19.4
721293750	721.294	723.6	1.9	-60.1	519.8	1.6	-97.6	2392.7	3.5	-23.7
721300000	721.300	723.6	1.9	-60.3	520.3	1.6	-97.0	2394.1	3.5	-45.4
721306250	721.306	723.6	1.9	-60.2	520.7	1.6	-91.1	2395.6	3.5	-41.3
721312500	721.313	723.6	1.9	-60.4	521.1	1.6	-105.5	2397.0	3.5	-44.3
721318750	721.319	723.6	1.9	-60.4	521.6	1.6	-104.8	2398.4	3.5	-40.9
721325000	721.325	723.7	1.9	-60.6	522.0	1.6	-105.2	2399.8	3.5	-37.9
721331250	721.331	723.7	1.9	-60.5	522.5	1.6	-97.2	2401.3	3.5	-26.0
721337500	721.338	723.7	1.9	-60.7	522.9	1.6	-104.3	2402.7	3.5	-38.7
721343750	721.344	723.7	1.9	-60.7	523.3	1.6	-97.8	2404.1	3.5	-39.0
721350000	721.350	723.7	1.9	-60.9	523.8	1.6	-102.3	2405.5	3.5	-41.3
721356250	721.356	723.7	1.9	-61.0	524.2	1.6	-99.6	2407.0	3.5	-37.7
721362500	721.363	723.7	1.9	-61.1	524.6	1.6	-97.6	2408.4	3.5	-32.8
721368750	721.369	723.7	1.9	-61.2	525.1	1.6	-107.6	2409.8	3.5	-23.7
721375000	721.375	723.8	1.9	-61.3	525.5	1.6	-95.6	2411.2	3.5	-12.5
721381250	721.381	723.8	1.9	-61.5	525.9	1.6	-100.1	2412.7	3.5	-16.8
721387500	721.388	723.8	1.9	-61.4	526.4	1.6	-97.5	2414.1	3.5	-26.0
721393750	721.394	723.8	1.9	-61.6	526.8	1.6	-103.6	2415.5	3.5	-32.4
721400000	721.400	723.8	1.9	-61.5	527.3	1.6	-98.4	2416.9	3.5	-43.5
721406250	721.406	723.8	1.9	-61.7	527.7	1.6	-97.6	2418.4	3.5	-56.8
721412500	721.413	723.8	1.9	-61.7	528.1	1.6	-99.6	2419.8	3.5	-44.3
721418750	721.419	723.8	1.9	-61.9	528.6	1.6	-102.6	2421.2	3.5	-35.8
721425000	721.425	723.9	1.9	-61.9	529.0	1.6	-94.0	2422.6	3.5	-29.8
721431250	721.431	723.9	1.9	-62.3	529.4	1.6	-93.6	2424.1	3.5	-23.7
721437500	721.438	723.9	1.9	-62.1	529.9	1.6	-95.9	2425.5	3.5	-29.4
721443750	721.444	723.9	1.9	-62.2	530.3	1.6	-99.3	2426.9	3.5	-24.3
721450000	721.450	723.9	1.9	-62.3	530.8	1.6	-93.8	2428.3	3.5	-22.3
721456250	721.456	723.9	1.9	-62.6	531.2	1.6	-104.4	2429.8	3.5	-41.4
721462500	721.463	723.9	1.9	-62.5	531.6	1.6	-93.9	2431.2	3.5	-23.0
721468750	721.469	723.9	1.9	-62.7	532.1	1.6	-93.8	2432.6	3.5	-48.6
721475000	721.475	724.0	1.9	-62.9	532.5	1.6	-100.5	2434.0	3.5	-26.7
721481250	721.481	724.0	1.9	-62.9	532.9	1.6	-94.9	2435.5	3.5	-30.7
721487500	721.488	724.0	1.9	-62.9	533.4	1.6	-103.1	2436.9	3.5	-26.1
721493750	721.494	724.0	1.9	-63.3	533.8	1.6	-97.3	2438.3	3.5	-26.8
721500000	721.500	724.0	1.9	-63.0	534.3	1.6	-97.4	2439.8	3.5	-56.8
721506250	721.506	724.0	1.9	-63.4	534.7	1.6	-100.1	2441.2	3.5	-41.4
721512500	721.513	724.0	1.9	-63.4	535.1	1.6	-111.8	2442.6	3.5	-24.3
721518750	721.519	724.0	1.9	-63.5	535.6	1.6	-109.3	2444.0	3.5	-23.0
721525000	721.525	724.1	1.9	-63.7	536.0	1.6	-101.5	2445.5	3.5	-24.1
721531250	721.531	724.1	1.9	-64.0	536.4	1.6	-99.4	2446.9	3.5	-32.9
721537500	721.538	724.1	1.9	-63.9	536.9	1.6	-98.1	2448.3	3.5	-34.5
721543750	721.544	724.1	1.9	-63.8	537.3	1.6	-98.8	2449.7	3.5	-39.3
721550000	721.550	724.1	1.9	-63.9	537.7	1.6	-102.2	2451.2	3.5	-23.7
721556250	721.556	724.1	1.9	-63.9	538.2	1.6	-100.8	2452.6	3.5	-21.5

[N right anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[N right angle]			[N right anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[N right angle]			[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+ ~~[fine match to antenna]~~+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]			[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]			[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]			[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]				
NA	FW_VERSION	FW_DATE	NA	FW_VERSION	FW_DATE	NA	FW_VERSION	FW_DATE	NA	FW_VERSION	FW_DATE	NA	FW_VERSION	FW_DATE	NA	FW_VERSION	FW_DATE	NA	FW_VERSION
HP8753ES	7.74	30-Oct-02	HP8753ES	7.74	30-Oct-02	HP8753ES	7.74	30-Oct-02	HP8753ES	7.74	30-Oct-02	HP8753ES	7.74	30-Oct-02	HP8753ES	7.74	3.76E+04	HP8753ES	7.74
DATE	TIME		DATE	TIME		DATE	TIME		DATE	TIME		DATE	TIME		DATE	TIME		DATE	TIME
4 Jun 2007	10:40:01		4 Jun 2007	11:05:31		4 Jun 2007	15:14:55		4 Jun 2007	16:42:18		4 Jun 2007	17:00:50		4 Jun 2007	17:10:10		5 Jun 2007	14:40:27
CHAN	MEAS	FORMAT	CHAN	MEAS	FORMAT	CHAN	MEAS	FORMAT	CHAN	MEAS	FORMAT	CHAN	MEAS	FORMAT	CHAN	MEAS	FORMAT	CHAN	MEAS
1	S21	LOG_MAG	1	S21	LOG_MAG	1	S21	LOG_MAG	1	S21	LOG_MAG	1	S21	LOG_MAG	1	S21	LOG_MAG	1.000E+00	S21
CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ
10000000	3010000000		709000000	729000000		709000000	729000000		709000000	729000000		10000000	3010000000		729000000	3010000000		1.000E+07	709000000
POINTS	POWER	IF_BW	POINTS	POWER	IF_BW	POINTS	POWER	IF_BW	POINTS	POWER	IF_BW	POINTS	POWER	IF_BW	POINTS	POWER	IF_BW	POINTS	POWER
1601	0.00E+00	300	1601	0.00E+00	300	1601	0.00E+00	300	1601	0.00E+00	300	1601	0.00E+00	300	1601	0.00E+00	3.00E+02	1.601E+03	0.00E+00
FREQUENCY	UNITS		FREQUENCY	UNITS		FREQUENCY	UNITS		FREQUENCY	UNITS		FREQUENCY	UNITS		FREQUENCY	UNITS		FREQUENCY	UNITS
Hz	dB		Hz	dB		Hz	dB		Hz	dB		Hz	dB		Hz	dB		Hz	dB
2072500000	-3.222		722750000	-1.8577		722750000	-61.094		722750000	-61.039		2072500000	-48.276		2297187500	-71.596		4.906E+08	-102.45
2074375000	-3.2212		722762500	-1.8572		722762500	-60.963		722762500	-60.755		2074375000	-38.26		2298613125	-91.135		4.910E+08	-95.103
2076250000	-3.2223		722775000	-1.8583		722775000	-60.737		722775000	-60.647		2076250000	-31.16		2300038750	-73.946		4.914E+08	-98.046
2078125000	-3.2238		722787500	-1.8577		722787500	-60.546		722787500	-60.388		2078125000	-45.52		2301464375	-81.268		4.919E+08	-100.19
2080000000	-3.2245		722800000	-1.8565		722800000	-60.392		722800000	-60.3		2080000000	-50.686		2302890000	-89.511		4.923E+08	-95.156
2081875000	-3.2247		722812500	-1.854		722812500	-60.135		722812500	-60.061		2081875000	-55.48		2304315625	-97.99		4.927E+08	-109.18
2083750000	-3.2256		722825000	-1.8565		722825000	-60.201		722825000	-60.114		2083750000	-51.915		2305741250	-97.244		4.932E+08	-104.3
2085625000	-3.2261		722837500	-1.8541		722837500	-59.948		722837500	-59.962		2085625000	-41.808		2307166875	-93.945		4.936E+08	-103.11
2087500000	-3.2249		722850000	-1.8548		722850000	-59.88		722850000	-59.888		2087500000	-45.117		2308592500	-93.356		4.941E+08	-97.331
2089375000	-3.223		722862500	-1.8536		722862500	-59.775		722862500	-59.74		2089375000	-44.345		2310018125	-87.82		4.945E+08	-96.486
2091250000	-3.2223		722875000	-1.8534		722875000	-59.737		722875000	-59.61		2091250000	-41.87		2311443750	-82.899		4.949E+08	-93.521
2093125000	-3.2238		722887500	-1.8573		722887500	-59.692		722887500	-59.511		2093125000	-38.779		2312869375	-76.482		4.954E+08	-95.273
2095000000	-3.2259		722900000	-1.8552		722900000	-59.595		722900000	-59.586		2095000000	-43.46		2314295000	-49.351		4.958E+08	-106.13
2096875000	-3.227		722912500	-1.8559		722912500	-59.446		722912500	-59.358		2096875000	-50.356		2315720625	-22.364		4.962E+08	-109.1
2098750000	-3.2278		722925000	-1.8558		722925000	-59.501		722925000	-59.495		2098750000	-57.516		2317146250	-37.155		4.967E+08	-97.479
2100625000	-3.2295		722937500	-1.8562		722937500	-59.539		722937500	-59.311		2100625000	-69.631		2318571875	-47.568		4.971E+08	-104.51
2102500000	-3.231		722950000	-1.8539		722950000	-59.4		722950000	-59.462		2102500000	-59.943		2319997500	-40.868		4.976E+08	-106.73
2104375000	-3.2312		722962500	-1.8581		722962500	-59.443		722962500	-59.303		2104375000	-56.724		2321423125	-54.99		4.980E+08	-96.942
2106250000	-3.2306		722975000	-1.8563		722975000	-59.436		722975000	-59.293		2106250000	-47.646		2322848750	-72.583		4.984E+08	-107.06
2108125000	-3.231		722987500	-1.8588		722987500	-59.318		722987500	-59.207		2108125000	-72.727		2324274375	-60.673		4.989E+08	-111.63
2110000000	-3.2331		723000000	-1.8576		723000000	-59.339		723000000	-59.187		2110000000	-65.755		2325700000	-60.76		4.993E+08	-104.34
2111875000	-3.2359		723012500	-1.8559		723012500	-59.307		723012500	-59.243		2111875000	-83		2327125625	-56.555		4.997E+08	-114.96
2113750000	-3.2384		723025000	-1.8564		723025000	-59.259		723025000	-59.283		2113750000	-53.329		2328551250	-52.467		5.002E+08	-105.28
2115625000	-3.2403		723037500	-1.8579		723037500	-59.324		723037500	-59.309		2115625000	-35.214		2329976875	-98.615		5.006E+08	-104.29
2117500000	-3.2421		723050000	-1.8553		723050000	-59.274		723050000	-59.276		2117500000	-26.713		2331402500	-89.295		5.010E+08	-105.01
2119375000	-3.2433		723062500	-1.8585		723062500	-59.309		723062500	-59.211		2119375000	-32.246		2332828125	-94.038		5.015E+08	-104.41
2121250000	-3.2438		723075000	-1.8591		723075000	-59.391		723075000	-59.224		2121250000	-31.9		2334253750	-103.89		5.019E+08	-104.46
2123125000	-3.2441		723087500	-1.8559		723087500	-59.407		723087500	-59.23		2123125000	-18.499		2335679375	-99.767		5.024E+08	-107.1
2125000000	-3.2453		723100000	-1.8583		723100000	-59.366		723100000	-59.497		2125000000	-14.063		2337105000	-99.355		5.028E+08	-96.025
2126875000	-3.2476		723112500	-1.859		723112500	-59.456		723112500	-59.259		2126875000	-23.445		2338530625	-102.93		5.032E+08	-100.83
2128750000	-3.2502		723125000	-1.8587		723125000	-59.41		723125000	-59.345		2128750000	-12.873		2339956250	-97.308		5.037E+08	-91.842
2130625000	-3.2525		723137500	-1.8587		723137500	-59.508		723137500	-59.52		2130625000	-13.845		2341381875	-89.17		5.041E+08	-99.772
2132500000	-3.2546		723150000	-1.8539		723150000	-59.525		723150000	-59.445		2132500000	-18.806		2342807500	-90.875		5.045E+08	-93.9
2134375000	-3.2571		723162500	-1.8541		723162500	-59.563		723162500	-59.591		2134375000	-30.808		2344233125	-100.41		5.050E+08	-100.85
2136250000	-3.2595		723175000	-1.8557		723175000	-59.584		723175000	-59.48		2136250000	-28.117		2345658750	-104.56		5.054E+08	-96.674
2138125000	-3.2612		723187500	-1.8581		723187500	-59.76		723187500	-59.608		2138125000	-23.901		2347084375	-112.18		5.059E+08	-108.93
2140000000	-3.2626		723200000	-1.8545		723200000	-59.665		723200000	-59.686		2140000000	-29.784		2348510000	-98.009		5.063E+08	-99.802
2141875000	-3.2647		723212500	-1.8536		723212500	-59.7		723212500	-59.681		2141875000	-40.692		2349935625	-106.07		5.067E+08	-95.996
2143750000	-3.268		723225000	-1.8557		723225000	-59.811		723225000	-59.717		2143750000	-57.954		2351361250	-103.03		5.072E+08	-96.914
2145625000	-3.2713		723237500	-1.8588		723237500	-59.89		723237500	-59.886		2145625000	-82.309		2352786875	-98.558		5.076E+08	-96.873
2147500000	-3.2741		723250000	-1.8547		723250000	-59.96		723250000	-59.888		2147500000	-87.654		2354212500	-95.62		5.080E+08	-101.18
2149375000	-3.2763		723262500	-1.8559		723262500	-59.912		723262500	-60.054		2149375000	-108.55		2355638125	-91.929		5.085E+08	-97.171
2151250000	-3.2784		723275000	-1.8552		723275000	-60.164		723275000	-59.978		2151250000	-98.276		2357063750	-94.865		5.089E+08	-101.1
2153125000	-3.2802		723287500	-1.8573		723287500	-60.137		723287500	-60.021		2153125000	-97.999		2358489375	-102.1		5.093E+08	-95.485
2155000000	-3.2814		723300000	-1.8581		723300000	-60.185		723300000	-60.211		2155000000	-88.138		2359915000	-101.05		5.098E+08	-106.26
2156875000	-3.282		723312500	-1.8552		723312500	-60.218		723312500	-60.156		2156875000	-78.138		2361340625	-95.501		5.102E+08	-118.64
2158750000	-3.2834		723325000	-1.8576		723325000	-60.423		723325000	-60.321		2158750000	-100.25		2362766250	-95.608		5.107E+08	-103.51
2160625000	-3.2859		723337500	-1.8564		723337500	-60.328		723337500	-60.439		2160625000	-107.71		2364191875	-97.605		5.111E+08	-112.7
2162500000	-3.2883		723350000	-1.858		723350000	-60.494		723350000	-60.538		2162500000	-90.265		2365617500	-92.023		5.115E+08	-107.3
2164375000	-3.2898		723362500	-1.8576		723362500	-60.528		723362500	-60.472		2164375000	-93.102		2367043125	-95.151		5.120E+08	-98.735
2166250000	-3.2908		723375000	-1.8579		723375000	-60.536		723375000	-60.679		2166250000	-92.781		2368468750	-93.105		5.124E+08	-102.55
2168125000	-3.2925		723387500	-1.8592		723387500	-60.614		723387500	-60.519		2168125000	-87.817		2369894375	-103.69		5.128E+08	-100.12
2170000000	-3.2942		723400000	-1.8591		723400000	-60.613		723400000	-60.757		2170000000	-78.608		2371320000	-101.18		5.133E+08	-99.093
2171875000	-3.2945		723412500	-1.8578		723412500	-60.773		723412500	-60.961		2171875000	-82.415		2372745625	-97.398		5.137E+08	-101
2173750000	-3.2942		723425000	-1.8581		723425000	-60.769		723425000	-60.892		2173750000	-67.131		2374171250	-101.95		5.142E+08	-97.6
2175625000	-3.2945		723437500	-1.8569		723437500	-60.94		723437500	-60.844		2175625000	-59.949		2375596875	-98.444		5.146E+08	-95.665
2177500000	-3.2962		723450000	-1.8562		723450000	-61.089		723450000	-60.889		2177500000	-48.987		2377022500	-90.204		5.150E+08	-104.7
2179375000	-3.298		723462500	-1.8554		723462500	-61.106		723462500	-61.101		2179375000	-48.856		2378448125	-97.823		5.155E+08	-97.046
2181250000	-3.2992		723475000	-1.8594		723475000	-61.247		723475000	-61.211		2181250000	-58.308		2379873750	-90.978		5.159E+08	-110.83
2183125000	-3.3004		723487500	-1.8557		723487500	-61.335		723487500	-61.115		2183125000	-68.422		2381299375	-87.073		5.163E+08	-102.35
2185000000	-3.3017		723500000	-1.8558		723500000	-61.372		723500000	-61.354		2185000000	-61.821		2382725000	-85.848		5.168E+08	-101.28
2186875000	-3.3024		723512500	-1.8593		723512500	-61.403		723512500	-61.521		2186875000	-52.716		2384150625	-49.889		5.172E+08	-103.7
2188750000	-3.3023		723525000	-1.857		723525000	-61.644		723525000	-61.669		2188750000	-51.952		2385576250	-38.925		5.176E+08	-94.552
2190625000	-3.3024		723537500	-1.8583		723537500	-61.668		723537500	-61.505		2190625000	-30.817		2387001875	-35.83		5.181E+08	-100.78
2192500000	-3.3038		723550000	-1.8588		723550000	-61.639		723550000	-61.606		2192500000	-24.998		2388427500	-28.552		5.185E+08	-93.8
2194375000	-3.3061		723562500	-1.8582		723562500	-61.805		723562500	-61.645		2194375000	-21.718		2389853125	-17.532		5.190E+08	-97.317
2196250000	-3.3081		723575000	-1.8581		723575000	-61.792		723575000	-62.071		2196250000	-26.342		2391278750	-22.887		5.194E+08	-96.289
2198125000	-3.309		723587500	-1.8578		723587500	-61.997		723587500	-61.837		2198125000	-43.441		2392704375	-27.165		5.198E+08	-99.205
2200000000	-3.31		723600000	-1.8576		723600000	-62.127		723600000	-62.005		2200000000	-70.058		2394130000	-48.876		5.203E+08	-98.578
2201875000	-3.3113		723612500	-1.859		723612500	-62.098		723612500	-62.134		2201875000	-53.033		2395555625	-44.742		5.207E+08	-92.714
2203750000	-3.3125		723625000	-1.8595		723625000	-62.263		723625000	-62.317		2203750000	-36.518		2396981250	-47.766		5.211E+08	-107.11
2205625000	-3.3129		723637500	-1.8605		723637500	-62.279		723637500	-62.229		2205625000	-28.109		2398406875	-44.349		5.216E+08	-106.45
2207500000	-3.3128		723650000	-1.8575		723650000	-62.416		723650000	-62.439		2207500000	-44.347		2399832500	-41.402		5.220E+08	-106.81
2209375000	-3.313		723662500	-1.8585		723662500	-62.379		723662500	-62.448		2209375000	-60.119		2401258125	-29.499		5.225E+08	-98.796
2211250000	-3.314		723675000	-1.8561		723675000	-62.526		723675000	-62.691		2211250000	-83.273		2402683750	-42.196		5.229E+08	-105.9
2213125000	-3.3147		723687500	-1.8606		723687500	-62.559		723687500	-62.644		2213125000	-69.69		2404109375	-42.522		5.233E+08	-99.371
2215000000	-3.3154		723700000	-1.8583		723700000	-62.711		723700000	-62.664		2215000000	-57.101		2405535000	-44.806		5.238E+08	-103.88
2216875000	-3.3159		723712500	-1.8589		723712500	-62.855		723712500	-62.954		2216875000	-32.122		2406960625	-41.176		5.242E+08	-101.17
2218750000	-3.3168		723725000	-1.8609		723725000	-62.944		723725000	-62.895		2218750000	-17.223		2408386250	-36.321		5.246E+08	-99.171
2220625000	-3.317		723737500	-1.8607		723737500	-63.032		723737500	-63.108		2220625000	-31.402		2409811875	-27.187		5.251E+08	-109.25
2222500000	-3.3169		723750000	-1.8562		723750000	-63.133		723750000	-63.109		2222500000	-42.18		2411237500	-16.01		5.255E+08	-97.225
2224375000	-3.3172		723762500	-1.8578		723762500	-63.331		723762500	-63.378		2224375000	-37.616		2412663125	-20.28		5.259E+08	-101.69
2226250000	-3.3186		723775000	-1.8599		723775000	-63.222		723775000	-63.191		2226250000	-43.814		2414088750	-29.494		5.264E+08	-99.069
2228125000	-3.3207		723787500	-1.8579		723787500	-63.423		723787500	-63.429		2228125000	-47.989		2415514375	-35.897		5.268E+08	-105.18
2230000000	-3.3225		723800000	-1.8602		723800000	-63.399		723800000	-63.45		2230000000	-53.424		2416940000	-46.994		5.273E+08	-99.977
2231875000	-3.3241		723812500	-1.8598		723812500	-63.587		723812500	-63.566		2231875000	-58.603		2418365625	-60.329		5.277E+08	-99.223
2233750000	-3.3258		723825000	-1.8575		723825000	-63.583		723825000	-63.701		2233750000	-50.535		2419791250	-47.805		5.281E+08	-101.21
2235625000	-3.3272		723837500	-1.8583		723837500	-63.72		723837500	-63.799		2235625000	-46.984		2421216875	-39.308		5.286E+08	-104.2
2237500000	-3.3283		723850000	-1.8592		723850000	-63.741		723850000	-64.022		2237500000	-43.814		2422642500	-33.324		5.290E+08	-95.662
2239375000	-3.3292		723862500	-1.859		723862500	-64.134		723862500	-64		2239375000	-27.408		2424068125	-27.177		5.294E+08	-95.2
2241250000	-3.3305		723875000	-1.8576		723875000	-64.005		723875000	-63.942		2241250000	-25.378		2425493750	-32.846		5.299E+08	-97.487
2243125000	-3.3328		723887500	-1.8585		723887500	-64.1		723887500	-64.161		2243125000	-31.538		2426919375	-27.823		5.303E+08	-100.92
2245000000	-3.3356		723900000	-1.8587		723900000	-64.158		723900000	-64.313		2245000000	-42.386		2428345000	-25.823		5.308E+08	-95.391
2246875000	-3.3388		723912500	-1.8617		723912500	-64.495		723912500	-64.576		2246875000	-46.088		2429770625	-44.943		5.312E+08	-106.02
2248750000	-3.3415		723925000	-1.8616		723925000	-64.394		723925000	-64.409		2248750000	-28.479		2431196250	-26.494		5.316E+08	-95.524
2250625000	-3.3436		723937500	-1.8599		723937500	-64.571		723937500	-64.609		2250625000	-23.675		2432621875	-52.128		5.321E+08	-95.421
2252500000	-3.3453		723950000	-1.8608		723950000	-64.742		723950000	-64.857		2252500000	-42.927		2434047500	-30.199		5.325E+08	-102.13
2254375000	-3.3465		723962500	-1.8619		723962500	-64.733		723962500	-64.931		2254375000	-45.334		2435473125	-34.222		5.329E+08	-96.506
2256250000	-3.3471		723975000	-1.8585		723975000	-64.779		723975000	-64.809		2256250000	-61.688		2436898750	-29.621		5.334E+08	-104.73
2258125000	-3.348		723987500	-1.8618		723987500	-65.173		723987500	-64.995		2258125000	-69.618		2438324375	-30.29		5.338E+08	-98.968
2260000000	-3.3502		724000000	-1.8592		724000000	-64.905		724000000	-64.904		2260000000	-53.548		2439750000	-60.32		5.343E+08	-99.011
2261875000	-3.3532		724012500	-1.8608		724012500	-65.231		724012500	-65.602		2261875000	-49.358		2441175625	-44.941		5.347E+08	-101.71
2263750000	-3.3562		724025000	-1.8621		724025000	-65.298		724025000	-65.183		2263750000	-42.846		2442601250	-27.82		5.351E+08	-113.38
2265625000	-3.3581		724037500	-1.8575		724037500	-65.316		724037500	-65.187		2265625000	-35.169		2444026875	-26.468		5.356E+08	-110.95
2267500000	-3.3597		724050000	-1.8613		724050000	-65.569		724050000	-65.25		2267500000	-34.865		2445452500	-27.592		5.360E+08	-103.15
2269375000	-3.3619		724062500	-1.8581		724062500	-65.877		724062500	-65.653		2269375000	-32.976		2446878125	-36.45		5.364E+08	-101.04
2271250000	-3.3644		724075000	-1.8585		724075000	-65.746		724075000	-65.688		2271250000	-22.366		2448303750	-38.029		5.369E+08	-99.763
2273125000	-3.3666		724087500	-1.8593		724087500	-65.627		724087500	-65.975		2273125000	-30.474		2449729375	-42.822		5.373E+08	-100.39
2275000000	-3.3687		724100000	-1.8614		724100000	-65.764		724100000	-65.673		2275000000	-18.402		2451155000	-27.221		5.377E+08	-103.87
2276875000	-3.3712		724112500	-1.8588		724112500	-65.779		724112500	-66.073		2276875000	-25.222		2452580625	-25.06		5.382E+08	-102.42

max=>
min=>

Frequency Hz	Frequency MHz	Freq MHz	Cable loss dB	Dielectric S21	Freq MHz	Cable loss	s21 Dielectric dB	Freq MHz	Cable loss	s21 Dielectric dB
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	-102.5	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	-95.0	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	-92.3	2576.6	3.6	-42.9
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 anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[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

[N right anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+~~[fine match to antenna]~~+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

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

[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]

NA	FW_VERSION	FW_DATE
HP8753ES	7.74	3.76E+04
DATE	TIME	
4 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

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

FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB
2278750000	-3.3742	724125000	-1.86	724125000	-66.055	724125000	-65.941	2278750000	-31.374	2454006250	-48.77	5.386E+08	-93.264
2280625000	-3.3769	724137500	-1.8579	724137500	-66.271	724137500	-66.178	2280625000	-50.89	2455431875	-41.35	5.391E+08	-94.436
2282500000	-3.3793	724150000	-1.8573	724150000	-66.397	724150000	-66.298	2282500000	-61.443	2456857500	-31.645	5.395E+08	-98.359
2284375000	-3.3818	724162500	-1.8596	724162500	-66.485	724162500	-66.417	2284375000	-55.845	2458283125	-14.566	5.399E+08	-93.93
2286250000	-3.3846	724175000	-1.8598	724175000	-66.291	724175000	-66.491	2286250000	-50.799	2459708750	-13.722	5.404E+08	-92.884
2288125000	-3.3865	724187500	-1.8594	724187500	-66.716	724187500	-66.257	2288125000	-60.17	2461134375	-27.52	5.408E+08	-101.31
2290000000	-3.3876	724200000	-1.8593	724200000	-66.818	724200000	-66.881	2290000000	-69.296	2462560000	-29.123	5.412E+08	-101.5
2291875000	-3.3885	724212500	-1.8622	724212500	-66.899	724212500	-66.853	2291875000	-84.789	2463985625	-24.748	5.417E+08	-97.106
2293750000	-3.3899	724225000	-1.8593	724225000	-67.044	724225000	-67.139	2293750000	-66.292	2465411250	-49.961	5.421E+08	-91.843
2295625000	-3.3918	724237500	-1.8621	724237500	-66.64	724237500	-66.292	2295625000	-78.323	2466836875	-52.184	5.426E+08	-98.525
2297500000	-3.3936	724250000	-1.8608	724250000	-67.201	724250000	-66.761	2297500000	-75.084	2468262500	-56.316	5.430E+08	-96.084
2299375000	-3.3953	724262500	-1.8582	724262500	-66.974	724262500	-67.544	2299375000	-76.191	2469688125	-51.193	5.434E+08	-100.38
2301250000	-3.397	724275000	-1.8627	724275000	-67.015	724275000	-67.233	2301250000	-81.606	2471113750	-47.18	5.439E+08	-103.02
2303125000	-3.3984	724287500	-1.8606	724287500	-67.147	724287500	-66.913	2303125000	-98.12	2472539375	-56.422	5.443E+08	-95.308
2305000000	-3.3991	724300000	-1.8621	724300000	-67.6	724300000	-67.942	2305000000	-100.02	2473965000	-63.541	5.447E+08	-100.98
2306875000	-3.3989	724312500	-1.8607	724312500	-67.189	724312500	-67.441	2306875000	-94.814	2475390625	-73.819	5.452E+08	-103.69
2308750000	-3.3986	724325000	-1.8593	724325000	-67.191	724325000	-67.698	2308750000	-90.312	2476816250	-59.269	5.456E+08	-109.73
2310625000	-3.3993	724337500	-1.8611	724337500	-67.668	724337500	-67.384	2310625000	-87.375	2478241875	-52.783	5.460E+08	-111.63
2312500000	-3.4006	724350000	-1.8615	724350000	-67.8	724350000	-67.942	2312500000	-79.51	2479667500	-61.784	5.465E+08	-118.13
2314375000	-3.4019	724362500	-1.8599	724362500	-67.878	724362500	-68.169	2314375000	-43.747	2481093125	-64.007	5.469E+08	-112.66
2316250000	-3.4029	724375000	-1.8595	724375000	-67.905	724375000	-68.125	2316250000	-28.203	2482518750	-70.947	5.474E+08	-103.04
2318125000	-3.404	724387500	-1.8581	724387500	-67.999	724387500	-67.802	2318125000	-45.216	2483944375	-86.172	5.478E+08	-103.14
2320000000	-3.4048	724400000	-1.8577	724400000	-68.178	724400000	-68.222	2320000000	-43.723	2485370000	-86.52	5.482E+08	-109
2321875000	-3.4048	724412500	-1.8604	724412500	-67.7	724412500	-68.717	2321875000	-66.193	2486795625	-94.922	5.487E+08	-111.35
2323750000	-3.4041	724425000	-1.8599	724425000	-68.463	724425000	-68.565	2323750000	-67.512	2488221250	-84.546	5.491E+08	-96.757
2325625000	-3.4041	724437500	-1.8622	724437500	-68.589	724437500	-68.711	2325625000	-60.157	2489646875	-55.609	5.495E+08	-103.6
2327500000	-3.4052	724450000	-1.8589	724450000	-68.431	724450000	-68.573	2327500000	-52.772	2491072500	-57.866	5.500E+08	-95.271
2329375000	-3.4068	724462500	-1.86	724462500	-68.526	724462500	-68.716	2329375000	-76.206	2492498125	-72.293	5.504E+08	-93.72
2331250000	-3.4079	724475000	-1.8596	724475000	-69.039	724475000	-68.628	2331250000	-88.876	2493923750	-68.398	5.509E+08	-110.59
2333125000	-3.4089	724487500	-1.8624	724487500	-69.235	724487500	-69.376	2333125000	-93.731	2495349375	-45.494	5.513E+08	-101.66
2335000000	-3.4101	724500000	-1.8619	724500000	-68.876	724500000	-69.125	2335000000	-95.548	2496775000	-36.547	5.517E+08	-98.222
2336875000	-3.4108	724512500	-1.8581	724512500	-69.208	724512500	-69.683	2336875000	-100.86	2498200625	-27.771	5.522E+08	-97.045
2338750000	-3.411	724525000	-1.8614	724525000	-69.238	724525000	-69.004	2338750000	-93.671	2499626250	-22.556	5.526E+08	-94.291
2340625000	-3.4112	724537500	-1.8614	724537500	-69.218	724537500	-68.723	2340625000	-96.094	2501051875	-30.917	5.530E+08	-97.317
2342500000	-3.412	724550000	-1.8638	724550000	-69.957	724550000	-69.083	2342500000	-89.921	2502477500	-37.665	5.535E+08	-102.11
2344375000	-3.4135	724562500	-1.8643	724562500	-70.151	724562500	-69.165	2344375000	-93.825	2503903125	-37.125	5.539E+08	-94.635
2346250000	-3.4149	724575000	-1.863	724575000	-69.147	724575000	-69.616	2346250000	-103.54	2505328750	-31.977	5.543E+08	-98.306
2348125000	-3.416	724587500	-1.8599	724587500	-69.894	724587500	-69.197	2348125000	-95.942	2506754375	-28.491	5.548E+08	-99.094
2350000000	-3.4177	724600000	-1.8608	724600000	-70.081	724600000	-70.628	2350000000	-104.24	2508180000	-31.35	5.552E+08	-94.956
2351875000	-3.4194	724612500	-1.8637	724612500	-69.805	724612500	-70.055	2351875000	-93.032	2509605625	-36.878	5.557E+08	-96.877
2353750000	-3.4211	724625000	-1.863	724625000	-69.969	724625000	-69.608	2353750000	-90.754	2511031250	-44.11	5.561E+08	-98.972
2355625000	-3.4226	724637500	-1.863	724637500	-69.884	724637500	-70.301	2355625000	-93.047	2512456875	-50.961	5.565E+08	-99.267
2357500000	-3.4242	724650000	-1.8607	724650000	-70.389	724650000	-70.282	2357500000	-94.435	2513882500	-57.091	5.570E+08	-114.83
2359375000	-3.4259	724662500	-1.8607	724662500	-69.92	724662500	-70.611	2359375000	-96.402	2515308125	-63.106	5.574E+08	-98.559
2361250000	-3.4275	724675000	-1.8615	724675000	-70.448	724675000	-70.46	2361250000	-101.59	2516733750	-69.75	5.578E+08	-107.91
2363125000	-3.4294	724687500	-1.8633	724687500	-70.927	724687500	-70.04	2363125000	-96.122	2518159375	-88.796	5.583E+08	-102.29
2365000000	-3.4318	724700000	-1.8598	724700000	-70.178	724700000	-70.834	2365000000	-94.822	2519585000	-82.045	5.587E+08	-113.37
2366875000	-3.434	724712500	-1.8601	724712500	-70.44	724712500	-70.461	2366875000	-93.122	2521010625	-77.434	5.592E+08	-104.93
2368750000	-3.436	724725000	-1.8607	724725000	-71.033	724725000	-71.169	2368750000	-105.11	2522436250	-74.078	5.596E+08	-106.61
2370625000	-3.4381	724737500	-1.8641	724737500	-71.173	724737500	-71.214	2370625000	-96.673	2523861875	-72.888	5.600E+08	-104.2
2372500000	-3.4405	724750000	-1.8606	724750000	-70.866	724750000	-70.284	2372500000	-97.575	2525287500	-76.092	5.605E+08	-107.95
2374375000	-3.4424	724762500	-1.8602	724762500	-71.437	724762500	-71.752	2374375000	-87.69	2526713125	-68.389	5.609E+08	-113.85
2376250000	-3.4443	724775000	-1.8612	724775000	-71.381	724775000	-70.315	2376250000	-93.318	2528138750	-58.809	5.613E+08	-101.55
2378125000	-3.4465	724787500	-1.8642	724787500	-71.898	724787500	-71.163	2378125000	-88.354	2529564375	-56.068	5.618E+08	-109.1
2380000000	-3.4493	724800000	-1.8592	724800000	-71.503	724800000	-71.585	2380000000	-95.215	2530990000	-83.486	5.622E+08	-101.68
2381875000	-3.4522	724812500	-1.8598	724812500	-71.642	724812500	-71.277	2381875000	-85.162	2532415625	-96.452	5.626E+08	-97.657
2383750000	-3.4547	724825000	-1.8603	724825000	-72.03	724825000	-72.24	2383750000	-57.818	2533841250	-73.523	5.631E+08	-104.3
2385625000	-3.4571	724837500	-1.8621	724837500	-71.852	724837500	-71.86	2385625000	-40.579	2535266875	-73.84	5.635E+08	-104.69
2387500000	-3.4597	724850000	-1.8614	724850000	-71.472	724850000	-72.062	2387500000	-36.498	2536692500	-83.436	5.640E+08	-103.14
2389375000	-3.4617	724862500	-1.8626	724862500	-71.34	724862500	-71.172	2389375000	-19.752	2538118125	-94.408	5.644E+08	-95.388
2391250000	-3.4628	724875000	-1.8611	724875000	-72.331	724875000	-71.794	2391250000	-22.875	2539543750	-96.485	5.648E+08	-101.58
2393125000	-3.4639	724887500	-1.8639	724887500	-71.731	724887500	-72.802	2393125000	-35.981	2540969375	-85.754	5.653E+08	-95.546
2395000000	-3.4658	724900000	-1.8626	724900000	-72.418	724900000	-72.344	2395000000	-49.79	2542395000	-96.886	5.657E+08	-96.627
2396875000	-3.4681	724912500	-1.8669	724912500	-72.575	724912500	-72.24	2396875000	-48.657	2543820625	-102.32	5.661E+08	-97.407
2398750000	-3.4705	724925000	-1.8644	724925000	-73.192	724925000	-72.257	2398750000	-51.866	2545246250	-82.6	5.666E+08	-100.74
2400625000	-3.4729	724937500	-1.8654	724937500	-72.152	724937500	-72.237	2400625000	-32.696	2546671875	-81.252	5.670E+08	-96.243
2402500000	-3.4757	724950000	-1.8594	724950000	-72.479	724950000	-72.61	2402500000	-41.368	2548097500	-90.437	5.675E+08	-98.96
2404375000	-3.4783	724962500	-1.8627	724962500	-72.816	724962500	-73.225	2404375000	-45.806	2549523125	-89.517	5.679E+08	-99.486
2406250000	-3.4799	724975000	-1.8645	724975000	-72.374	724975000	-72.39	2406250000	-43.133	2550948750	-94.252	5.683E+08	-94.798
2408125000	-3.481	724987500	-1.8643	724987500	-72.968	724987500	-73.233	2408125000	-37.222	2552374375	-102.09	5.688E+08	-95.119
2410000000	-3.4822	725000000	-1.8611	725000000	-73.295	725000000	-73.135	2410000000	-26.947	2553800000	-91.823	5.692E+08	-99.939
2411875000	-3.4837	725012500	-1.8611	725012500	-73.141	725012500	-72.904	2411875000	-15.777	2555225625	-95.359	5.696E+08	-97.975
2413750000	-3.4852	725025000	-1.8633	725025000	-73.631	725025000	-73.391	2413750000	-28.053	2556651250	-92.445	5.701E+08	-107.7
2415625000	-3.4866	725037500	-1.8618	725037500	-73.44	725037500	-74.057	2415625000	-36.612	2558076875	-95.875	5.705E+08	-103.23
2417500000	-3.4881	725050000	-1.8627	725050000	-73.285	725050000	-72.936	2417500000	-54.64	2559502500	-78.518	5.709E+08	-98.529
2419375000	-3.4902	725062500	-1.862	725062500	-73.726	725062500	-73.809	2419375000	-50.097	2560928125	-63.082	5.714E+08	-109.42
2421250000	-3.4917	725075000	-1.8616	725075000	-73.229	725075000	-72.463	2421250000	-41.421	2562353750	-64.513	5.718E+08	-111.42
2423125000	-3.4931	725087500	-1.8611	725087500	-72.38	725087500	-73.75	2423125000	-32.787	2563779375	-69.005	5.723E+08	-108.09
2425000000	-3.4942	725100000	-1.8602	725100000	-73.129	725100000	-74.395	2425000000	-27.027	2565205000	-67.793	5.727E+08	-106.66
2426875000	-3.4952	725112500	-1.8618	725112500	-73.459	725112500	-73.935	2426875000	-27.262	2566630625	-64.077	5.731E+08	-102.19
2428750000	-3.4966	725125000	-1.8592	725125000	-73.52	725125000	-74.722	2428750000	-30.659	2568056250	-79.18	5.736E+08	-107.3
2430625000	-3.4985	725137500	-1.862	725137500	-74.413	725137500	-74.763	2430625000	-29.691	2569481875	-74.121	5.740E+08	-95.546
2432500000	-3.5004	725150000	-1.8622	725150000	-73.916	725150000	-73.853	2432500000	-51.062	2570907500	-68.462	5.744E+08	-98.09
2434375000	-3.5021	725162500	-1.8641	725162500	-75.674	725162500	-74.243	2434375000	-35.529	2572333125	-62.198	5.749E+08	-99.736
2436250000	-3.5039	725175000	-1.8634	725175000	-73.465	725175000	-73.912	2436250000	-31.716	2573758750	-53.143	5.753E+08	-102.52
2438125000	-3.5052	725187500	-1.8628	725187500	-73.86	725187500	-74.228	2438125000	-31.901	2575184375	-35.387	5.758E+08	-97.213
2440000000	-3.5061	725200000	-1.8646	725200000	-74.095	725200000	-73.629	2440000000	-45.452	2576610000	-46.567	5.762E+08	-93.962
2441875000	-3.5068	725212500	-1.8645	725212500	-74.061	725212500	-74.795	2441875000	-43.199	2578035625	-39.55	5.766E+08	-98.132
2443750000	-3.5073	725225000	-1.8639	725225000	-74.657	725225000	-74.733	2443750000	-25.911	2579461250	-40.147	5.771E+08	-97.327
2445625000	-3.5079	725237500	-1.8674	725237500	-75.691	725237500	-74.51	2445625000	-32.581	2580886875	-49.511	5.775E+08	-93.771
2447500000	-3.5087	725250000	-1.8647	725250000	-74.432	725250000	-74.77	2447500000	-36.629	2582312500	-74.042	5.779E+08	-97.749
2449375000	-3.5095	725262500	-1.861	725262500	-74.652	725262500	-75.43	2449375000	-44.415	2583738125	-55.452	5.784E+08	-93.962
2451250000	-3.5104	725275000	-1.8638	725275000	-75.555	725275000	-74.445	2451250000	-25.944	2585163750	-35.058	5.788E+08	-104.2
2453125000	-3.5114	725287500	-1.8652	725287500	-76.246	725287500	-74.805	2453125000	-38.144	2586589375	-36.757	5.792E+08	-106.81
2455000000	-3.5124	725300000	-1.8638	725300000	-75.144	725300000	-74.473	2455000000	-45.874	2588015000	-40.787	5.797E+08	-99.391
2456875000	-3.5133	725312500	-1.866	725312500	-75.295	725312500	-74.822	2456875000	-32.026	2589440625	-24.967	5.801E+08	-94.672
2458750000	-3.5142	725325000	-1.8632	725325000	-75.346	725325000	-74.661	2458750000	-16.387	2590866250	-30.141	5.806E+08	-95.609
2460625000	-3.5152	725337500	-1.8627	725337500	-75.575	725337500	-74.857	2460625000	-20.861	2592291875	-30.818	5.810E+08	-97.605
2462500000	-3.5162	725350000	-1.8622	725350000	-75.791	725350000	-75.064	2462500000	-29.632	2593717500	-25.811	5.814E+08	-112.18
2464375000	-3.5172	725362500	-1.8596	725362500	-76.307	725362500	-75.228	2464375000	-30.729	2595143125	-31.008	5.819E+08	-101.28
2466250000	-3.5183	725375000	-1.8621	725375000	-75.922	725375000	-76.445	2466250000	-57.227	2596568750	-41.657	5.823E+08	-99.873
2468125000	-3.5197	725387500	-1.8609	725387500	-75.733	725387500	-75.699	2468125000	-56.261	2597994375	-45.754	5.827E+08	-106.68
2470000000	-3.521	725400000	-1.8584	725400000	-75.826	725400000	-76.486	2470000000	-52.769	2599420000	-47.133	5.832E+08	-104.04
2471875000	-3.5221	725412500	-1.8633	725412500	-75.836	725412500	-75.488	2471875000	-52.343	2600845625	-46.222	5.836E+08	-102.4
2473750000	-3.5231	725425000	-1.8621	725425000	-75.702	725425000	-76.754	2473750000	-63.951	2602271250	-36.381	5.841E+08	-110.81
2475625000	-3.5245	725437500	-1.8634	725437500	-76.256	725437500	-76.392	2475625000	-78.695	2603696875	-53.989	5.845E+08	-102.26
2477500000	-3.5259	725450000	-1.8619	725450000	-77.144	725450000	-77.007	2477500000	-60.246	2605122500	-67.394	5.849E+08	-107.12
2479375000	-3.5276	725462500	-1.8634	725462500	-76.21	725462500	-77.664	2479375000	-64.492	2606548125	-79.678	5.854E+08	-103.17
2481250000	-3.5297	725475000	-1.8622	725475000	-77.085	725475000	-76.735	2481250000	-66.28	2607973750	-88.161	5.858E+08	-104.41
2483125000	-3.5325	725487500	-1.8651	725487500	-76.617	725487500	-77.351	2483125000	-81.956	2609399375	-89.047	5.862E+08	-101.4

max=>
min=>

Frequency Hz	Frequency MHz	Freq MHz	Cable loss dB	Dielectric S21	Freq MHz	Cable loss	s21 Dielectric dB	Freq MHz	Cable loss	s21 Dielectric dB
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	-102.5	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	726.7	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	-98.6	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 anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[N right angle]			[N right anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[N right angle]			[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+ ~~[fine match to antenna]~~+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]			[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]			[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]			[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]				
NA	FW_VERSION	FW_DATE	NA	FW_VERSION	FW_DATE	NA	FW_VERSION	FW_DATE	NA	FW_VERSION	FW_DATE	NA	FW_VERSION	FW_DATE	NA	FW_VERSION	FW_DATE	NA	FW_VERSION
HP8753ES	7.74	30-Oct-02	HP8753ES	7.74	30-Oct-02	HP8753ES	7.74	30-Oct-02	HP8753ES	7.74	30-Oct-02	HP8753ES	7.74	30-Oct-02	HP8753ES	7.74	3.76E+04	HP8753ES	7.74
DATE	TIME		DATE	TIME		DATE	TIME		DATE	TIME		DATE	TIME		DATE	TIME		DATE	TIME
4 Jun 2007	10:40:01		4 Jun 2007	11:05:31		4 Jun 2007	15:14:55		4 Jun 2007	16:42:18		4 Jun 2007	17:00:50		4 Jun 2007	17:10:10		5 Jun 2007	14:40:27
CHAN	MEAS	FORMAT	CHAN	MEAS	FORMAT	CHAN	MEAS	FORMAT	CHAN	MEAS	FORMAT	CHAN	MEAS	FORMAT	CHAN	MEAS	FORMAT	CHAN	MEAS
1	S21	LOG_MAG	1	S21	LOG_MAG	1	S21	LOG_MAG	1	S21	LOG_MAG	1	S21	LOG_MAG	1	S21	LOG_MAG	1.000E+00	S21
CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ		CHAN_START_FREQ	CHAN_STOP_FREQ
10000000	3010000000		709000000	729000000		709000000	729000000		709000000	729000000		10000000	3010000000		729000000	3010000000		1.000E+07	709000000
POINTS	POWER	IF_BW	POINTS	POWER	IF_BW	POINTS	POWER	IF_BW	POINTS	POWER	IF_BW	POINTS	POWER	IF_BW	POINTS	POWER	IF_BW	POINTS	POWER
1601	0.00E+00	300	1601	0.00E+00	300	1601	0.00E+00	300	1601	0.00E+00	300	1601	0.00E+00	300	1601	0.00E+00	3.00E+02	1.601E+03	0.00E+00
FREQUENCY	UNITS		FREQUENCY	UNITS		FREQUENCY	UNITS		FREQUENCY	UNITS		FREQUENCY	UNITS		FREQUENCY	UNITS		FREQUENCY	UNITS
Hz	dB		Hz	dB		Hz	dB		Hz	dB		Hz	dB		Hz	dB		Hz	dB
2485000000	-3.5347		725500000	-1.8624		725500000	-76.046		725500000	-76.251		2485000000	-80.055		2610825000	-97.055		5.867E+08	-102.62
2486875000	-3.5361		725512500	-1.8665		725512500	-76.367		725512500	-77.136		2486875000	-89.455		2612250625	-85.977		5.871E+08	-107.01
2488750000	-3.5376		725525000	-1.8643		725525000	-75.869		725525000	-77.382		2488750000	-70.451		2613676250	-71.851		5.875E+08	-101.24
2490625000	-3.5393		725537500	-1.8657		725537500	-77.273		725537500	-77.169		2490625000	-57.667		2615101875	-73.734		5.880E+08	-97.044
2492500000	-3.541		725550000	-1.8636		725550000	-76.862		725550000	-77.16		2492500000	-73.023		2616527500	-77.773		5.884E+08	-91.796
2494375000	-3.5421		725562500	-1.8683		725562500	-78.363		725562500	-76.751		2494375000	-54.557		2617953125	-76.621		5.889E+08	-92.24
2496250000	-3.5435		725575000	-1.8655		725575000	-76.701		725575000	-78.526		2496250000	-40.855		2619378750	-67.521		5.893E+08	-98.294
2498125000	-3.5458		725587500	-1.8664		725587500	-76.595		725587500	-77.737		2498125000	-28.599		2620804375	-82.006		5.897E+08	-95.272
2500000000	-3.5484		725600000	-1.8626		725600000	-77.518		725600000	-77.649		2500000000	-23.575		2622230000	-71.721		5.902E+08	-89.858
2501875000	-3.5505		725612500	-1.8659		725612500	-78.293		725612500	-77.51		2501875000	-38.508		2623655625	-76.22		5.906E+08	-94.443
2503750000	-3.5525		725625000	-1.8657		725625000	-77.872		725625000	-77.829		2503750000	-37.053		2625081250	-74.953		5.910E+08	-89.987
2505625000	-3.5551		725637500	-1.8638		725637500	-77.368		725637500	-78.292		2505625000	-30.358		2626506875	-85.876		5.915E+08	-95.667
2507500000	-3.558		725650000	-1.8627		725650000	-77.326		725650000	-78.226		2507500000	-28.876		2627932500	-87.158		5.919E+08	-97.882
2509375000	-3.5604		725662500	-1.8646		725662500	-77.498		725662500	-79.105		2509375000	-36.216		2629358125	-65.41		5.924E+08	-89.518
2511250000	-3.5627		725675000	-1.8608		725675000	-79.499		725675000	-77.817		2511250000	-45.394		2630783750	-50.861		5.928E+08	-92.731
2513125000	-3.5658		725687500	-1.8625		725687500	-78.357		725687500	-77.225		2513125000	-54.133		2632209375	-45.065		5.932E+08	-93.558
2515000000	-3.5692		725700000	-1.864		725700000	-78.217		725700000	-79.988		2515000000	-61.708		2633635000	-26.746		5.937E+08	-101.79
2516875000	-3.5724		725712500	-1.8631		725712500	-79.54		725712500	-77.863		2516875000	-70.756		2635060625	-15.774		5.941E+08	-96.542
2518750000	-3.5751		725725000	-1.8604		725725000	-80.352		725725000	-77.956		2518750000	-80.713		2636486250	-29.275		5.945E+08	-99.765
2520625000	-3.578		725737500	-1.8605		725737500	-78.498		725737500	-77.416		2520625000	-78.182		2637911875	-42.493		5.950E+08	-100.45
2522500000	-3.5809		725750000	-1.8655		725750000	-77.916		725750000	-78.632		2522500000	-75.719		2639337500	-34.251		5.954E+08	-118.2
2524375000	-3.5833		725762500	-1.8605		725762500	-78.34		725762500	-77.802		2524375000	-72.61		2640763125	-37.58		5.958E+08	-101.39
2526250000	-3.585		725775000	-1.8649		725775000	-78.215		725775000	-78.863		2526250000	-72.788		2642188750	-58.46		5.963E+08	-101.63
2528125000	-3.587		725787500	-1.8668		725787500	-78.557		725787500	-79.854		2528125000	-60.858		2643614375	-41.946		5.967E+08	-99.588
2530000000	-3.5893		725800000	-1.8637		725800000	-78.385		725800000	-78.843		2530000000	-62.756		2645040000	-32.346		5.972E+08	-115.37
2531875000	-3.592		725812500	-1.8637		725812500	-77.102		725812500	-79.335		2531875000	-93.033		2646465625	-33.75		5.976E+08	-104.12
2533750000	-3.5945		725825000	-1.8679		725825000	-78.794		725825000	-79.76		2533750000	-74.883		2647891250	-25.637		5.980E+08	-103.27
2535625000	-3.5973		725837500	-1.8624		725837500	-81.305		725837500	-79.713		2535625000	-79.891		2649316875	-21.722		5.985E+08	-96.461
2537500000	-3.6002		725850000	-1.866		725850000	-79.865		725850000	-79.734		2537500000	-90.884		2650742500	-26.41		5.989E+08	-96.21
2539375000	-3.6025		725862500	-1.8594		725862500	-78.878		725862500	-79.391		2539375000	-96.581		2652168125	-20.706		5.993E+08	-95.99
2541250000	-3.6041		725875000	-1.8628		725875000	-79.378		725875000	-77.74		2541250000	-84.404		2653593750	-10.858		5.998E+08	-97.879
2543125000	-3.6051		725887500	-1.8654		725887500	-79.109		725887500	-79.034		2543125000	-88.287		2655019375	-13.79		6.002E+08	-98.528
2545000000	-3.6062		725900000	-1.864		725900000	-79.241		725900000	-79.658		2545000000	-88.075		2656445000	-19.224		6.007E+08	-102.65
2546875000	-3.6077		725912500	-1.8631		725912500	-79.035		725912500	-80.249		2546875000	-81.699		2657870625	-11.738		6.011E+08	-104.06
2548750000	-3.6098		725925000	-1.8639		725925000	-79.421		725925000	-80.074		2548750000	-89.124		2659296250	-13.583		6.015E+08	-98.943
2550625000	-3.6123		725937500	-1.8643		725937500	-79.61		725937500	-78.607		2550625000	-90.655		2660721875	-15.442		6.020E+08	-100.63
2552500000	-3.6147		725950000	-1.867		725950000	-78.361		725950000	-79.491		2552500000	-94.307		2662147500	-20.545		6.024E+08	-95.48
2554375000	-3.6169		725962500	-1.8619		725962500	-78.58		725962500	-79.114		2554375000	-91.43		2663573125	-15.234		6.028E+08	-106.11
2556250000	-3.6185		725975000	-1.8631		725975000	-79.327		725975000	-78.753		2556250000	-92.17		2664998750	-17.765		6.033E+08	-95.792
2558125000	-3.6197		725987500	-1.8623		725987500	-78.753		725987500	-79.672		2558125000	-89.071		2666424375	-19		6.037E+08	-112.26
2560000000	-3.6207		726000000	-1.8637		726000000	-80.167		726000000	-82.026		2560000000	-72.2		2667850000	-18.009		6.042E+08	-104.42
2561875000	-3.6215		726012500	-1.862		726012500	-79.095		726012500	-80.583		2561875000	-65.542		2669275625	-22.783		6.046E+08	-96.139
2563750000	-3.6226		726025000	-1.8631		726025000	-80.464		726025000	-80.022		2563750000	-69.92		2670701250	-15.565		6.050E+08	-101.66
2565625000	-3.624		726037500	-1.8624		726037500	-81.083		726037500	-81.39		2565625000	-68.514		2672126875	-12.844		6.055E+08	-98.476
2567500000	-3.6257		726050000	-1.8638		726050000	-79.537		726050000	-80.314		2567500000	-64.312		2673552500	-22.078		6.059E+08	-98.145
2569375000	-3.6272		726062500	-1.8616		726062500	-80.439		726062500	-81.512		2569375000	-75.481		2674978125	-32.861		6.063E+08	-112.37
2571250000	-3.6283		726075000	-1.8623		726075000	-80.251		726075000	-79.659		2571250000	-67.304		2676403750	-33.555		6.068E+08	-104.85
2573125000	-3.6287		726087500	-1.8625		726087500	-81.355		726087500	-81.708		2573125000	-57.503		2677829375	-34.984		6.072E+08	-99.151
2575000000	-3.6288		726100000	-1.865		726100000	-80.489		726100000	-79.633		2575000000	-38.689		2679255000	-39.253		6.076E+08	-107.8
2576875000	-3.6289		726112500	-1.8601		726112500	-80.126		726112500	-82.77		2576875000	-46.89		2680680625	-37.479		6.081E+08	-104.25
2578750000	-3.6292		726125000	-1.8628		726125000	-81.093		726125000	-82.271		2578750000	-38.204		2682106250	-31.962		6.085E+08	-105.17
2580625000	-3.6299		726137500	-1.8655		726137500	-82.04		726137500	-79.394		2580625000	-49.007		2683531875	-47.741		6.090E+08	-100.18
2582500000	-3.631		726150000	-1.8663		726150000	-81.621		726150000	-83.757		2582500000	-75.616		2684957500	-41.411		6.094E+08	-108.74
2584375000	-3.6323		726162500	-1.8683		726162500	-82.086		726162500	-82.136		2584375000	-40.487		2686383125	-37.932		6.098E+08	-99.8
2586250000	-3.6334		726175000	-1.8648		726175000	-83.421		726175000	-81.941		2586250000	-39.436		2687808750	-44.361		6.103E+08	-95.75
2588125000	-3.6345		726187500	-1.8661		726187500	-81.103		726187500	-80.897		2588125000	-41.016		2689234375	-51.602		6.107E+08	-98.414
2590000000	-3.6354		726200000	-1.8655		726200000	-80.598		726200000	-80.241		2590000000	-28.503		2690660000	-52.05		6.111E+08	-97.886
2591875000	-3.6364		726212500	-1.8645		726212500	-80.677		726212500	-82.038		2591875000	-30.472		2692085625	-48.123		6.116E+08	-105.89
2593750000	-3.6371		726225000	-1.8653		726225000	-82.799		726225000	-81.519		2593750000	-25.977		2693511250	-50.007		6.120E+08	-109.38
2595625000	-3.6377		726237500	-1.8645		726237500	-82.127		726237500	-83.2		2595625000	-35.96		2694936875	-39.384		6.125E+08	-97.394
2597500000	-3.6387		726250000	-1.8634		726250000	-80.754		726250000	-81.867		2597500000	-44.832		2696362500	-45.457		6.129E+08	-95.145
2599375000	-3.6402		726262500	-1.8634		726262500	-81.024		726262500	-83.333		2599375000	-47.34		2697788125	-46.66		6.133E+08	-100.6
2601250000	-3.6419		726275000	-1.8651		726275000	-82.079		726275000	-82.22		2601250000	-44.858		2699213750	-51.05		6.138E+08	-97.579
2603125000	-3.6435		726287500	-1.8649		726287500	-82.968		726287500	-82.346		2603125000	-44.024		2700639375	-83.467		6.142E+08	-88.915
2605000000	-3.6452		726300000	-1.8618		726300000	-83.11		726300000	-83.197		2605000000	-66.631		2702065000	-62.232		6.146E+08	-96.316
2606875000	-3.6469		726312500	-1.8634		726312500	-83.41		726312500	-84.72		2606875000	-84.532		2703490625	-59.108		6.151E+08	-99.755
2608750000	-3.6487		726325000	-1.8616		726325000	-82.769		726325000	-81.873		2608750000	-96.447		2704916250	-57.785		6.155E+08	-92.544
2610625000	-3.6504		726337500	-1.863		726337500	-82.237		726337500	-81.277		2610625000	-102.68		2706341875	-34.947		6.159E+08	-95.206
2612500000	-3.6518		726350000	-1.8623		726350000	-82.256		726350000	-83.69		2612500000	-87.581		2707767500	-21.318		6.164E+08	-101.82
2614375000	-3.6536		726362500	-1.8638		726362500	-82.358		726362500	-82.206		2614375000	-69.398		2709193125	-38.549		6.168E+08	-97.433
2616250000	-3.6557		726375000	-1.8627		726375000	-82.533		726375000	-81.339		2616250000	-79.344		2710618750	-29.871		6.173E+08	-106.66
2618125000	-3.6579		726387500	-1.8635		726387500	-80.04		726387500	-83.465		2618125000	-76.43		2712044375	-23.851		6.177E+08	-97.675
2620000000	-3.66		726400000	-1.8635		726400000	-82.702		726400000	-83.657		2620000000	-69.939		2713470000	-18.44		6.181E+08	-104.06
2621875000	-3.6622		726412500	-1.8638		726412500	-80.449		726412500	-82.922		2621875000	-75.08		2714895625	-21.781		6.186E+08	-100.83
2623750000	-3.6644		726425000	-1.8641		726425000	-84.596		726425000	-83.584		2623750000	-81.908		2716321250	-15.293		6.190E+08	-105.23
2625625000	-3.6667		726437500	-1.8656		726437500	-85.654		726437500	-83.217		2625625000	-79.733		2717746875	-15.145		6.194E+08	-115.77
2627500000	-3.6686		726450000	-1.8664		726450000	-85.312		726450000	-84.157		2627500000	-97.864		2719172500	-16.241		6.199E+08	-107.09
2629375000	-3.6707		726462500	-1.863		726462500	-83.396		726462500	-83.668		2629375000	-63.516		2720598125	-15.245		6.203E+08	-111.84
2631250000	-3.6734		726475000	-1.8646		726475000	-80.052		726475000	-85.447		2631250000	-48.385		2722023750	-22.986		6.208E+08	-97.933
2633125000	-3.6768		726487500	-1.8664		726487500	-81.939		726487500	-82.763		2633125000	-36.693		2723449375	-41.785		6.212E+08	-97.335
2635000000	-3.6803		726500000	-1.8651		726500000	-83.002		726500000	-82.871		2635000000	-18.006		2724875000	-32.779		6.216E+08	-105.9
2636875000	-3.6838		726512500	-1.8668		726512500	-84.307		726512500	-81.901		2636875000	-30.129		2726300625	-45.395		6.221E+08	-104.92
2638750000	-3.6869		726525000	-1.8658		726525000	-84.907		726525000	-84.062		2638750000	-46.273		2727726250	-55.294		6.225E+08	-105.18
2640625000	-3.6896		726537500	-1.8616		726537500	-84.322		726537500	-83.238		2640625000	-33.197		2729151875	-61.168		6.229E+08	-96.363
2642500000	-3.6917		726550000	-1.866		726550000	-83.15		726550000	-82.56		2642500000	-48.601		2730577500	-42.124		6.234E+08	-94.24
2644375000	-3.6934		726562500	-1.8641		726562500	-85.033		726562500	-83.652		2644375000	-35.885		2732003125	-39.373		6.238E+08	-91.531
2646250000	-3.6953		726575000	-1.8663		726575000	-85.637		726575000	-84.434		2646250000	-35.377		2733428750	-45.875		6.242E+08	-96.474
2648125000	-3.6978		726587500	-1.8649		726587500	-81.255		726587500	-83.026		2648125000	-26.537		2734854375	-56.545		6.247E+08	-98.145
2650000000	-3.7006		726600000	-1.8632		726600000	-83.335		726600000	-86.489		2650000000	-27.168		2736280000	-61.235		6.251E+08	-92.454
2651875000	-3.7035		726612500	-1.8616		726612500	-81.052		726612500	-83.961		2651875000	-18.702		2737705625	-64.284		6.256E+08	-97.443
2653750000	-3.7061		726625000	-1.864		726625000	-83.475		726625000	-83.649		2653750000	-11.818		2739131250	-64.744		6.260E+08	-91.558
2655625000	-3.7084		726637500	-1.862		726637500	-84.153		726637500	-82.403		2655625000	-14.171		2740556875	-59.295		6.264E+08	-92.188
2657500000	-3.7105		726650000	-1.859		726650000	-87.596		726650000	-83.455		2657500000	-13.527		2741982500	-41.987		6.269E+08	-106.4
2659375000	-3.7121		726662500	-1.8671		726662500	-82.114		726662500	-84.241		2659375000	-15.369		2743408125	-27.129		6.273E+08	-87.17
2661250000	-3.7135		726675000	-1.8668		726675000	-86.506		726675000	-83.455		2661250000	-15.705		2744833750	-38.63		6.277E+08	-94.949
2663125000	-3.7152		726687500	-1.8641		726687500	-82.157		726687500	-85.114		2663125000	-15.744		2746259375	-22.786		6.282E+08	-96.62
2665000000	-3.7177		726700000	-1.8637		726700000	-84.978		726700000	-83.583		2665000000	-17.834		2747685000	-22.608		6.286E+08	-108.96
2666875000	-3.7206		726712500	-1.8645		726712500	-85.567		726712500	-83.848		2666875000	-18.983		2749110625	-20.242		6.291E+08	-98.301
2668750000	-3.7236		726725000	-1.8621		726725000	-85.428		726725000	-85.381		2668750000	-18.347		2750536250	-15.672		6.295E+08	-103.77
2670625000	-3.7262		726737500	-1.8638		726737500	-82.992		726737500	-83.11		2670625000	-16.142		2751961875	-11.841		6.299E+08	-104.83
2672500000	-3.728		726750000	-1.8657		726750000	-83.27		726750000	-84.734		2672500000	-14.638		2753387500	-21.76		6.304E+08	-102.9
2674375000	-3.7293		726762500	-1.8641		726762500	-83.741		726762500	-86.891		2674375000	-37.144		2754813125	-38.108		6.308E+08	-104.06
2676250000	-3.7299		726775000	-1.867		726775000	-84.417		726775000	-84.791		2676250000	-33.472		2756238750	-51.768		6.312E+08	-101.7
2678125000	-3.7309		726787500	-1.8646		726787500	-86.77		726787500	-83.23		2678125000	-35.912		2757664375	-45.616		6.317E+08	-100.33
2680000000	-3.7322		726800000	-1.8653		726800000	-83.873		726800000	-84.654		2680000000	-38.591		2759090000	-52.882		6.321E+08	-101.46
2681875000	-3.7337		726812500	-1.8634		726812500	-82.638		726812500	-85.185		2681875000	-33.291		2760515625	-65.391		6.325E+08	-98.528
2683750000	-3.7355		726825000	-1.8647		726825000	-87.116		726825000	-84.749		2683750000	-46.41		2761941250	-83.848		6.330E+08	-116.73
2685625000	-3.7376		726837500	-1.866		726837500	-86.689		726837500	-84.639		2685625000	-45.722		2763366875	-79.548		6.334E+08	-106.94
2687500000	-3.7394		726850000	-1.8654		726850000	-84.817		726850000	-85.942		2687500000	-41.544		2764792500	-80.973		6.339E+08	-99.426
2689375000	-3.74		726862500	-1.8661		726862500	-84.701		726862500	-86.695		2689375000	-54.881		2766218125	-72.095		6.343E+08	-102.69

Setup	[N right anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[N right angle]	[N right anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[N right angle]	[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+~~[fine match to antenna]~~+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]	[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]	[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]	[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]	
NA	HP8753ES	HP8753ES	HP8753ES	HP8753ES	HP8753ES	HP8753ES	HP8753ES
FW_VERSION	7.74	7.74	7.74	7.74	7.74	7.74	7.74
FW_DATE	30-Oct-02	30-Oct-02	30-Oct-02	30-Oct-02	30-Oct-02	3.76E+04	
DATE	4 Jun 2007	4 Jun 2007	4 Jun 2007	4 Jun 2007	4 Jun 2007	4 Jun 2007	5 Jun 2007
TIME	10:40:01	11:05:31	15:14:55	16:42:18	17:00:50	17:10:10	14:40:27
CHAN	1	1	1	1	1	1	1.000E+00
MEAS	S21	S21	S21	S21	S21	S21	S21
FORMAT	LOG_MAG	LOG_MAG	LOG_MAG	LOG_MAG	LOG_MAG	LOG_MAG	
CHAN_START_FREQ	10000000	709000000	709000000	709000000	10000000	729000000	1.000E+07
CHAN_STOP_FREQ	3010000000	729000000	729000000	729000000	3010000000	3010000000	709000000
POINTS	1601	1601	1601	1601	1601	1601	1.601E+03
POWER	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
IF_BW	300	300	300	300	300	3.00E+02	

Frequency Hz	Frequency MHz max=> min=>	Freq MHz	Cable loss dB	Dielectric S21	Freq MHz	Cable loss	s21 Dielectric dB	Freq MHz	Cable loss	s21 Dielectric dB
722937500	722.938	726.9	1.9	-86.6	634.7	1.8	-98.3	2767.6	3.8	-57.5
722943750	722.944	726.9	1.9	-82.0	635.2	1.8	-112.6	2769.1	3.8	-53.7
722950000	722.950	726.9	1.9	-91.1	635.6	1.8	-107.1	2770.5	3.8	-35.3
722956250	722.956	726.9	1.9	-85.7	636.0	1.8	-93.2	2771.9	3.8	-58.4
722962500	722.963	726.9	1.9	-90.4	636.5	1.8	-104.3	2773.3	3.8	-35.5
722968750	722.969	726.9	1.9	-82.5	636.9	1.8	-97.0	2774.8	3.8	-37.3
722975000	722.975	727.0	1.9	-84.4	637.4	1.8	-87.0	2776.2	3.8	-23.8
722981250	722.981	727.0	1.9	-85.8	637.8	1.8	-106.7	2777.6	3.8	-23.2
722987500	722.988	727.0	1.9	-81.8	638.2	1.8	-98.8	2779.0	3.8	-46.8
722993750	722.994	727.0	1.9	-82.4	638.7	1.8	-90.6	2780.5	3.8	-58.5
723000000	723.000	727.0	1.9	-83.0	639.1	1.8	-93.4	2781.9	3.8	-39.6
723006250	723.006	727.0	1.9	-84.1	639.5	1.8	-94.3	2783.3	3.8	-21.9
723012500	723.013	727.0	1.9	-85.9	640.0	1.8	-100.1	2784.8	3.8	-24.1
723018750	723.019	727.0	1.9	-89.6	640.4	1.8	-112.6	2786.2	3.8	-23.9
723025000	723.025	727.1	1.9	-97.9	640.8	1.8	-93.3	2787.6	3.8	-25.1
723031250	723.031	727.1	1.9	-82.5	641.3	1.8	-94.5	2789.0	3.8	-32.2
723037500	723.038	727.1	1.9	-82.7	641.7	1.8	-103.9	2790.5	3.8	-46.5
723043750	723.044	727.1	1.9	-84.5	642.2	1.8	-97.7	2791.9	3.8	-45.6
723050000	723.050	727.1	1.9	-84.3	642.6	1.8	-105.9	2793.3	3.8	-68.8
723056250	723.056	727.1	1.9	-83.9	643.0	1.8	-98.6	2794.7	3.8	-34.0
723062500	723.063	727.1	1.9	-83.6	643.5	1.8	-117.3	2796.2	3.8	-37.7
723068750	723.069	727.1	1.9	-83.3	643.9	1.8	-103.6	2797.6	3.8	-16.8
723075000	723.075	727.2	1.9	-90.3	644.3	1.8	-98.5	2799.0	3.8	-30.9
723081250	723.081	727.2	1.9	-87.6	644.8	1.8	-97.1	2800.4	3.8	-35.6
723087500	723.088	727.2	1.9	-85.2	645.2	1.8	-108.4	2801.9	3.8	-40.7
723093750	723.094	727.2	1.9	-84.0	645.7	1.8	-96.1	2803.3	3.8	-30.7
723100000	723.100	727.2	1.9	-87.6	646.1	1.8	-92.1	2804.7	3.8	-42.9
723106250	723.106	727.2	1.9	-90.1	646.5	1.8	-91.8	2806.1	3.8	-23.4
723112500	723.113	727.2	1.9	-85.7	647.0	1.8	-97.4	2807.6	3.8	-41.4
723118750	723.119	727.2	1.9	-82.7	647.4	1.8	-94.8	2809.0	3.8	-39.5
723125000	723.125	727.3	1.9	-85.4	647.8	1.8	-97.3	2810.4	3.8	-44.4
723131250	723.131	727.3	1.9	-85.2	648.3	1.8	-109.2	2811.8	3.8	-29.8
723137500	723.138	727.3	1.9	-87.5	648.7	1.8	-93.1	2813.3	3.8	-30.9
723143750	723.144	727.3	1.9	-84.1	649.1	1.8	-95.9	2814.7	3.8	-41.7
723150000	723.150	727.3	1.9	-82.4	649.6	1.8	-104.0	2816.1	3.8	-47.5
723156250	723.156	727.3	1.9	-88.8	650.0	1.8	-91.7	2817.5	3.8	-32.6
723162500	723.163	727.3	1.9	-83.3	650.5	1.8	-94.5	2819.0	3.8	-35.6
723168750	723.169	727.3	1.9	-94.4	650.9	1.8	-96.4	2820.4	3.8	-28.3
723175000	723.175	727.4	1.9	-87.3	651.3	1.8	-92.0	2821.8	3.8	-18.0
723181250	723.181	727.4	1.9	-86.6	651.8	1.8	-102.5	2823.2	3.8	-29.9
723187500	723.188	727.4	1.9	-88.7	652.2	1.8	-91.7	2824.7	3.8	-44.4
723193750	723.194	727.4	1.9	-90.6	652.6	1.8	-91.2	2826.1	3.8	-43.7
723200000	723.200	727.4	1.9	-90.3	653.1	1.8	-103.4	2827.5	3.8	-41.2
723206250	723.206	727.4	1.9	-90.9	653.5	1.8	-97.0	2828.9	3.8	-33.7
723212500	723.213	727.4	1.9	-85.0	654.0	1.8	-105.3	2830.4	3.8	-24.6
723218750	723.219	727.4	1.9	-84.4	654.4	1.8	-98.6	2831.8	3.8	-27.5
723225000	723.225	727.5	1.9	-91.7	654.8	1.8	-102.7	2833.2	3.8	-49.0
723231250	723.231	727.5	1.9	-88.9	655.3	1.8	-98.9	2834.6	3.8	-31.6
723237500	723.238	727.5	1.9	-82.9	655.7	1.8	-99.9	2836.1	3.8	-33.3
723243750	723.244	727.5	1.9	-88.3	656.1	1.8	-102.5	2837.5	3.8	-38.1
723250000	723.250	727.5	1.9	-86.8	656.6	1.8	-105.5	2838.9	3.8	-45.8
723256250	723.256	727.5	1.9	-92.7	657.0	1.8	-94.7	2840.4	3.8	-39.6
723262500	723.263	727.5	1.9	-88.9	657.4	1.8	-105.7	2841.8	3.8	-38.2
723268750	723.269	727.5	1.9	-89.2	657.9	1.8	-93.1	2843.2	3.8	-64.5
723275000	723.275	727.6	1.9	-92.8	658.3	1.8	-92.0	2844.6	3.8	-70.2
723281250	723.281	727.6	1.9	-88.7	658.8	1.8	-112.6	2846.1	3.8	-49.9
723287500	723.288	727.6	1.9	-84.1	659.2	1.8	-97.7	2847.5	3.8	-62.4
723293750	723.294	727.6	1.9	-90.2	659.6	1.8	-95.2	2848.9	3.8	-33.9
723300000	723.300	727.6	1.9	-89.9	660.1	1.8	-95.3	2850.3	3.8	-35.0
723306250	723.306	727.6	1.9	-83.7	660.5	1.8	-94.3	2851.8	3.8	-46.1
723312500	723.313	727.6	1.9	-89.7	660.9	1.8	-99.8	2853.2	3.9	-42.8
723318750	723.319	727.6	1.9	-92.8	661.4	1.8	-101.4	2854.6	3.9	-36.7
723325000	723.325	727.7	1.9	-88.3	661.8	1.8	-87.1	2856.0	3.9	-25.5
723331250	723.331	727.7	1.9	-99.9	662.3	1.8	-91.5	2857.5	3.9	-22.7
723337500	723.338	727.7	1.9	-84.5	662.7	1.8	-98.0	2858.9	3.9	-17.4
723343750	723.344	727.7	1.9	-86.7	663.1	1.8	-95.0	2860.3	3.9	-28.4
723350000	723.350	727.7	1.9	-88.5	663.6	1.8	-95.6	2861.7	3.9	-12.7
723356250	723.356	727.7	1.9	-86.7	664.0	1.8	-97.8	2863.2	3.9	-22.7
723362500	723.363	727.7	1.9	-85.4	664.4	1.8	-92.4	2864.6	3.9	-20.1
723368750	723.369	727.7	1.9	-89.5	664.9	1.8	-111.3	2866.0	3.9	-18.2
723375000	723.375	727.8	1.9	-86.1	665.3	1.8	-99.4	2867.4	3.9	-26.4
723381250	723.381	727.8	1.9	-92.3	665.7	1.8	-104.9	2868.9	3.9	-28.7
723387500	723.388	727.8	1.9	-90.1	666.2	1.8	-109.3	2870.3	3.9	-49.2
723393750	723.394	727.8	1.9	-87.8	666.6	1.8	-101.8	2871.7	3.9	-52.8
723400000	723.400	727.8	1.9	-88.4	667.1	1.8	-97.4	2873.1	3.9	-26.9
723406250	723.406	727.8	1.9	-85.2	667.5	1.8	-98.5	2874.6	3.9	-24.7
723412500	723.413	727.8	1.9	-98.1	667.9	1.8	-107.1	2876.0	3.9	-29.1
723418750	723.419	727.8	1.9	-90.8	668.4	1.8	-104.9	2877.4	3.9	-21.6
723425000	723.425	727.9	1.9	-89.1	668.8	1.8	-103.0	2878.8	3.9	-16.6
723431250	723.431	727.9	1.9	-87.3	669.2	1.8	-100.3	2880.3	3.9	-17.3
723437500	723.438	727.9	1.9	-88.5	669.7	1.8	-101.0	2881.7	3.9	-23.7
723443750	723.444	727.9	1.9	-92.5	670.1	1.8	-94.8	2883.1	3.9	-18.4
723450000	723.450	727.9	1.9	-88.3	670.6	1.8	-98.2	2884.5	3.9	-25.8
723456250	723.456	727.9	1.9	-89.7	671.0	1.8	-88.5	2886.0	3.9	-36.9
723462500	723.463	727.9	1.9	-88.5	671.4	1.8	-92.1	2887.4	3.9	-43.4
723468750	723.469	727.9	1.9	-89.8	671.9	1.8	-94.3	2888.8	3.9	-44.9
723475000	723.475	728.0	1.9	-84.9	672.3	1.8	-92.7	2890.2	3.9	-52.5
723481250	723.481	728.0	1.9	-93.2	672.7	1.8	-98.7	2891.7	3.9	-42.2
723487500	723.488	728.0	1.9	-95.3	673.2	1.8	-87.4	2893.1	3.9	-50.4
723493750	723.494	728.0	1.9	-91.4	673.6	1.8	-102.0	2894.5	3.9	-57.5
723500000	723.500	728.0	1.9	-91.7	674.1	1.8	-92.6	2896.0	3.9	-71.7
723506250	723.506	728.0	1.9	-92.5	674.5	1.8	-94.2	2897.4	3.9	-41.9
723512500	723.513	728.0	1.9	-89.2	674.9	1.8	-86.8	2898.8	3.9	-33.2
723518750	723.519	728.0	1.9	-84.2	675.4	1.8	-93.5	2900.2	3.9	-45.2
723525000	723.525	728.1	1.9	-87.2	675.8	1.8	-100.1	2901.7	3.9	-34.4
723531250	723.531	728.1	1.9	-89.4	676.2	1.8	-105.7	2903.1	3.9	-34.4
723537500	723.538	728.1	1.9	-92.8	676.7	1.8	-91.0	2904.5	3.9	-52.1
723543750	723.544	728.1	1.9	-88.3	677.1	1.8	-106.0	2905.9	3.9	-63.6
723550000	723.550	728.1	1.9	-94.2	677.5	1.8	-102.5	2907.4	3.9	-61.2
723556250	723.556	728.1	1.9	-90.6	678.0	1.8	-92.2	2908.8	3.9	-50.2
723562500	723.563	728.1	1.9	-86.8	678.4	1.8	-101.8	2910.2	3.9	-54.8
723568750	723.569	728.1	1.9	-87.9	678.9	1.8	-112.1	2911.6	3.9	-57.6
723575000	723.575	728.2	1.9	-85.9	679.3	1.8	-102.9	2913.1	3.9	-37.3
723581250	723.581	728.2	1.9	-88.3	679.7	1.8	-103.4	2914.5	3.9	-57.0
723587500	723.588	728.2	1.9	-89.0	680.2	1.8	-96.7	2915.9	3.9	-62.4
723593750	723.594	728.2	1.9	-92.6	680.6	1.8	-98.7	2917.3	3.9	-58.7
723600000	723.600	728.2	1.9	-90.7	681.0	1.8	-104.3	2918.8	3.9	-86.4
723606250	723.606	728.2	1.9	-87.9	681.5	1.8	-103.6	2920.2	3.9	-102.3
723612500	723.613	728.2	1.9	-91.1	681.9	1.8	-105.8	2921.6	3.9	-78.2
723618750	723.619	728.2	1.9	-94.8	682.4	1.8	-97.1	2923.0	3.9	-41.2

FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB
2691250000	-3.74	726875000	-1.8626	726875000	-88.499	726875000	-86.051	2691250000	-47.958	2767643750	-61.285	6.347E+08	-100.03
2693125000	-3.7398	726887500	-1.8612	726887500	-83.874	726887500	-85.884	2693125000	-45.945	2769069375	-57.491	6.352E+08	-114.34
2695000000	-3.7394	726900000	-1.8642	726900000	-92.977	726900000	-85.203	2695000000	-41.519	2770495000	-39.101	6.356E+08	-108.84
2696875000	-3.7389	726912500	-1.8632	726912500	-87.593	726912500	-84.184	2696875000	-46.086	2771920625	-62.171	6.360E+08	-95.002
2698750000	-3.7389	726925000	-1.8592	726925000	-92.283	726925000	-84.514	2698750000	-48.963	2773346250	-39.285	6.365E+08	-106.08
2700625000	-3.7403	726937500	-1.8654	726937500	-84.412	726937500	-86.78	2700625000	-87.047	2774771875	-41.115	6.369E+08	-98.784
2702500000	-3.7423	726950000	-1.8638	726950000	-86.265	726950000	-87.259	2702500000	-63.447	2776197500	-27.581	6.374E+08	-88.761
2704375000	-3.7437	726962500	-1.8615	726962500	-87.677	726962500	-87.01	2704375000	-56.929	2777623125	-27.021	6.378E+08	-108.52
2706250000	-3.7442	726975000	-1.8652	726975000	-83.676	726975000	-84.879	2706250000	-35.349	2779048750	-50.624	6.382E+08	-100.53
2708125000	-3.7445	726987500	-1.8632	726987500	-84.245	726987500	-86.512	2708125000	-26.529	2780474375	-62.312	6.387E+08	-92.421
2710000000	-3.7448	727000000	-1.8617	727000000	-84.9	727000000	-86.972	2710000000	-33.763	2781900000	-43.37	6.391E+08	-95.13
2711875000	-3.7451	727012500	-1.8604	727012500	-85.962	727012500	-85.365	2711875000	-24.586	2783325625	-25.76	6.395E+08	-96.061
2713750000	-3.7456	727025000	-1.8612	727025000	-87.799	727025000	-86.386	2713750000	-18.685	2784751250	-27.875	6.400E+08	-101.87
2715625000	-3.747	727037500	-1.8622	727037500	-91.482	727037500	-84.929	2715625000	-18.658	2786176875	-27.77	6.404E+08	-114.41
2717500000	-3.7494	727050000	-1.866	727050000	-99.745	727050000	-85.376	2717500000	-13.591	2787602500	-28.954	6.408E+08	-95.086
2719375000	-3.7516	727062500	-1.8638	727062500	-84.347	727062500	-88.336	2719375000	-16.008	2789028125	-36.038	6.413E+08	-96.294
2721250000	-3.753	727075000	-1.8641	727075000	-84.532	727075000	-86.267	2721250000	-19.295	2790453750	-50.36	6.417E+08	-105.64
2723125000	-3.7541	727087500	-1.8664	727087500	-86.364	727087500	-86.803	2723125000	-36.775	2791879375	-49.454	6.422E+08	-99.511
2725000000	-3.7549	727100000	-1.8663	727100000	-86.204	727100000	-87.273	2725000000	-35.068	2793305000	-72.588	6.426E+08	-107.69
2726875000	-3.755	727112500	-1.865	727112500	-85.789	727112500	-90.674	2726875000	-48.839	2794730625	-37.828	6.430E+08	-100.38
2728750000	-3.7546	727125000	-1.8661	727125000	-85.438	727125000	-87.303	2728750000	-56.988	2796156250	-41.576	6.435E+08	-119.07
2730625000	-3.7544	727137500	-1.8665	727137500	-85.12	727137500	-86.255	2730625000	-43.671	2797581875	-20.653	6.439E+08	-105.4
2732500000	-3.7551	727150000	-1.865	727150000	-92.179	727150000	-86.529	2732500000	-39.338	2799007500	-34.758	6.443E+08	-100.28
2734375000	-3.7566	727162500	-1.8645	727162500	-89.443	727162500	-90.097	2734375000	-53.88	2800433125	-39.477	6.448E+08	-98.928
2736250000	-3.7581	727175000	-1.8611	727175000	-87.058	727175000	-86.243	2736250000	-61.059	2801858750	-44.497	6.452E+08	-110.18
2738125000	-3.7595	727187500	-1.8666	727187500	-85.871	727187500	-87.374	2738125000	-65.122	2803284375	-34.569	6.457E+08	-97.918
2740000000	-3.7606	727200000	-1.8628	727200000	-89.455	727200000	-87.655	2740000000	-60.801	2804710000	-46.74	6.461E+08	-93.909
2741875000	-3.7613	727212500	-1.8662	727212500	-91.922	727212500	-87.636	2741875000	-44.161	2806135625	-27.252	6.465E+08	-93.604
2743750000	-3.7621	727225000	-1.8619	727225000	-87.597	727225000	-87.333	2743750000	-32.503	2807561250	-45.282	6.470E+08	-99.224
2745625000	-3.763	727237500	-1.8601	727237500	-84.527	727237500	-87.886	2745625000	-26.124	2808986875	-43.369	6.474E+08	-96.555
2747500000	-3.7646	727250000	-1.8628	727250000	-87.283	727250000	-85.991	2747500000	-24.334	2810412500	-48.258	6.478E+08	-99.04
2749375000	-3.7668	727262500	-1.8616	727262500	-87.054	727262500	-86.703	2749375000	-22.058	2811838125	-33.668	6.483E+08	-111
2751250000	-3.7703	727275000	-1.8601	727275000	-89.376	727275000	-88.323	2751250000	-12.259	2813263750	-34.74	6.487E+08	-94.905
2753125000	-3.7742	727287500	-1.8621	727287500	-85.992	727287500	-87.303	2753125000	-22.393	2814689375	-45.496	6.491E+08	-97.727
2755000000	-3.7778	727300000	-1.863	727300000	-84.233	727300000	-86.839	2755000000	-40.556	2816115000	-51.357	6.496E+08	-105.83
2756875000	-3.7809	727312500	-1.8604	727312500	-90.697	727312500	-88.322	2756875000	-45.899	2817540625	-36.413	6.500E+08	-93.528
2758750000	-3.7836	727325000	-1.8635	727325000	-85.211	727325000	-86.559	2758750000	-53.38	2818966250	-39.398	6.505E+08	-96.264
2760625000	-3.7859	727337500	-1.864	727337500	-96.249	727337500	-89.973	2760625000	-67.742	2820391875	-32.114	6.509E+08	-98.152
2762500000	-3.7877	727350000	-1.8622	727350000	-89.131	727350000	-88.84	2762500000	-81.379	2821817500	-21.808	6.513E+08	-93.832
2764375000	-3.7897	727362500	-1.8661	727362500	-88.424	727362500	-90.118	2764375000	-86.843	2823243125	-33.765	6.518E+08	-104.3
2766250000	-3.7929	727375000	-1.8632	727375000	-90.535	727375000	-89.238	2766250000	-72.366	2824668750	-48.23	6.522E+08	-93.54
2768125000	-3.7972	727387500	-1.8617	727387500	-92.453	727387500	-88.303	2768125000	-61.126	2826094375	-47.547	6.526E+08	-93.038
2770000000	-3.8019	727400000	-1.8638	727400000	-92.16	727400000	-86.721	2770000000	-41.838	2827520000	-45.016	6.531E+08	-105.16
2771875000	-3.8062	727412500	-1.8632	727412500	-92.754	727412500	-89.361	2771875000	-62.508	2828945625	-37.529	6.535E+08	-98.82
2773750000	-3.8095	727425000	-1.8637	727425000	-86.858	727425000	-88.844	2773750000	-44.185	2830371250	-28.441	6.540E+08	-107.13
2775625000	-3.8119	727437500	-1.8607	727437500	-86.25	727437500	-87.493	2775625000	-30.037	2831796875	-31.372	6.544E+08	-100.37
2777500000	-3.8139	727450000	-1.8629	727450000	-93.609	727450000	-89.109	2777500000	-28.1	2833222500	-52.856	6.548E+08	-104.46
2779375000	-3.8153	727462500	-1.8635	727462500	-90.769	727462500	-84.974	2779375000	-50.025	2834648125	-35.465	6.553E+08	-100.69
2781250000	-3.8166	727475000	-1.8634	727475000	-84.766	727475000	-87.979	2781250000	-49.593	2836073750	-37.169	6.557E+08	-101.74
2783125000	-3.8191	727487500	-1.8631	727487500	-90.19	727487500	-91.432	2783125000	-28.139	2837499375	-41.98	6.561E+08	-104.29
2785000000	-3.8224	727500000	-1.8632	727500000	-88.696	727500000	-91.404	2785000000	-26.8	2838925000	-49.633	6.566E+08	-107.33
2786875000	-3.8258	727512500	-1.8624	727512500	-94.533	727512500	-90.332	2786875000	-35.813	2840350625	-43.483	6.570E+08	-96.5
2788750000	-3.8285	727525000	-1.8641	727525000	-90.767	727525000	-91.657	2788750000	-34.903	2841776250	-42.057	6.574E+08	-107.5
2790625000	-3.8304	727537500	-1.8632	727537500	-91.052	727537500	-91.717	2790625000	-52.987	2843201875	-68.323	6.579E+08	-94.915
2792500000	-3.8317	727550000	-1.861	727550000	-94.621	727550000	-89.078	2792500000	-59.13	2844627500	-74.053	6.583E+08	-93.85
2794375000	-3.8328	727562500	-1.8614	727562500	-90.592	727562500	-89.803	2794375000	-42.196	2846053125	-53.767	6.588E+08	-114.41
2796250000	-3.8335	727575000	-1.8583	727575000	-85.952	727575000	-88.289	2796250000	-33.883	2847478750	-66.276	6.592E+08	-99.47
2798125000	-3.8344	727587500	-1.8597	727587500	-92.016	727587500	-90.761	2798125000	-26.239	2848904375	-37.792	6.596E+08	-96.968
2800000000	-3.8365	727600000	-1.8601	727600000	-91.745	727600000	-88.224	2800000000	-40.546	2850330000	-38.823	6.601E+08	-97.084
2801875000	-3.8396	727612500	-1.8621	727612500	-85.52	727612500	-87.282	2801875000	-43.111	2851755625	-49.988	6.605E+08	-96.085
2803750000	-3.8428	727625000	-1.8631	727625000	-91.545	727625000	-90.275	2803750000	-37.103	2853181250	-46.695	6.609E+08	-101.56
2805625000	-3.845	727637500	-1.8598	727637500	-94.687	727637500	-88.727	2805625000	-35.567	2854606875	-40.553	6.614E+08	-103.17
2807500000	-3.8456	727650000	-1.8635	727650000	-90.122	727650000	-91.299	2807500000	-43.235	2856032500	-29.345	6.618E+08	-88.953
2809375000	-3.8454	727662500	-1.8612	727662500	-101.74	727662500	-87.528	2809375000	-44.163	2857458125	-26.565	6.623E+08	-93.264
2811250000	-3.845	727675000	-1.8606	727675000	-86.343	727675000	-94.501	2811250000	-33.994	2858883750	-21.269	6.627E+08	-99.809
2813125000	-3.8441	727687500	-1.8631	727687500	-88.611	727687500	-88.24	2813125000	-36.098	2860309375	-32.256	6.631E+08	-96.821
2815000000	-3.8434	727700000	-1.8606	727700000	-90.365	727700000	-94.39	2815000000	-50.981	2861735000	-16.531	6.636E+08	-97.37
2816875000	-3.8436	727712500	-1.8616	727712500	-88.592	727712500	-89.329	2816875000	-49.186	2863160625	-26.562	6.640E+08	-99.638
2818750000	-3.8448	727725000	-1.862	727725000	-87.305	727725000	-92.4	2818750000	-36.765	2864586250	-23.914	6.644E+08	-94.179
2820625000	-3.8461	727737500	-1.8634	727737500	-91.316	727737500	-91.649	2820625000	-37.072	2866011875	-22.029	6.649E+08	-113.13
2822500000	-3.8462	727750000	-1.8638	727750000	-87.983	727750000	-92.888	2822500000	-24.24	2867437500	-30.306	6.653E+08	-101.18
2824375000	-3.8455	727762500	-1.8601	727762500	-94.124	727762500	-88.768	2824375000	-53.541	2868863125	-32.515	6.657E+08	-106.71
2826250000	-3.8445	727775000	-1.8596	727775000	-91.948	727775000	-88.8	2826250000	-47.066	2870288750	-53.045	6.662E+08	-111.16
2828125000	-3.8432	727787500	-1.8602	727787500	-89.649	727787500	-89.372	2828125000	-42.928	2871714375	-56.696	6.666E+08	-103.58
2830000000	-3.8414	727800000	-1.8636	727800000	-90.287	727800000	-88.223	2830000000	-29.37	2873140000	-30.764	6.671E+08	-99.241
2831875000	-3.8402	727812500	-1.8623	727812500	-87.02	727812500	-95.185	2831875000	-33.123	2874565625	-28.577	6.675E+08	-100.29
2833750000	-3.8405	727825000	-1.8605	727825000	-99.928	727825000	-88.342	2833750000	-53.698	2875991250	-32.95	6.679E+08	-108.88
2835625000	-3.8424	727837500	-1.861	727837500	-92.672	727837500	-94.554	2835625000	-35.192	2877416875	-25.449	6.684E+08	-106.74
2837500000	-3.8444	727850000	-1.8599	727850000	-90.97	727850000	-90.656	2837500000	-44.107	2878842500	-20.492	6.688E+08	-104.86
2839375000	-3.8455	727862500	-1.8621	727862500	-89.117	727862500	-89.744	2839375000	-48.889	2880268125	-21.133	6.692E+08	-102.09
2841250000	-3.8458	727875000	-1.861	727875000	-90.404	727875000	-90.463	2841250000	-42.685	2881693750	-27.549	6.697E+08	-102.81
2843125000	-3.846	727887500	-1.8564	727887500	-94.319	727887500	-87.436	2843125000	-68.48	2883119375	-22.268	6.701E+08	-96.665
2845000000	-3.8458	727900000	-1.8552	727900000	-90.189	727900000	-91.773	2845000000	-65.913	2884545000	-29.72	6.706E+08	-100.03
2846875000	-3.8456	727912500	-1.8576	727912500	-91.521	727912500	-91.669	2846875000	-71.726	2885970625	-40.806	6.710E+08	-90.34
2848750000	-3.8466	727925000	-1.8604	727925000	-90.348	727925000	-95.094	2848750000	-45.114	2887396250	-47.259	6.714E+08	-93.913
2850625000	-3.8495	727937500	-1.8602	727937500	-91.644	727937500	-91.322	2850625000	-40.886	2888821875	-48.747	6.719E+08	-96.103
2852500000	-3.8536	727950000	-1.8604	727950000	-86.721	727950000	-92.012	2852500000	-46.985	2890247500	-56.43	6.723E+08	-94.502
2854375000	-3.8575	727962500	-1.8609	727962500	-95.038	727962500	-90.048	2854375000	-42.475	2891673125	-46.101	6.727E+08	-100.57
2856250000	-3.8601	727975000	-1.8585	727975000	-97.138	727975000	-90.571	2856250000	-27.81	2893098750	-54.263	6.732E+08	-89.233
2858125000	-3.8619	727987500	-1.8615	727987500	-93.24	727987500	-92.244	2858125000	-22.208	2894524375	-61.437	6.736E+08	-103.84
2860000000	-3.8627	728000000	-1.8623	728000000	-93.524	728000000	-88.546	2860000000	-36.82	2895950000	-75.563	6.741E+08	-94.461
2861875000	-3.8629	728012500	-1.863	728012500	-94.412	728012500	-93.652	2861875000	-17.509	2897375625	-45.793	6.745E+08	-96.073
2863750000	-3.8626	728025000	-1.8611	728025000	-91.06	728025000	-93.539	2863750000	-33.362	2898801250	-37.108	6.749E+08	-88.656
2865625000	-3.8626	728037500	-1.8597	728037500	-86.09	728037500	-89.667	2865625000	-21.122	2900226875	-49.066	6.754E+08	-95.327
2867500000	-3.8638	728050000	-1.8627	728050000	-89.09	728050000	-92.282	2867500000	-29.897	2901652500	-38.327	6.758E+08	-101.92
2869375000	-3.8669	728062500	-1.8601	728062500	-91.287	728062500	-90.294	2869375000	-46.797	2903078125	-38.327	6.762E+08	-107.52
2871250000	-3.8707	728075000	-1.8613	728075000	-94.701	728075000	-96.444	2871250000	-62.342	2904503750	-56.021	6.767E+08	-92.81
2873125000	-3.8743	728087500	-1.8612	728087500	-90.129	728087500	-95.319	2873125000	-32.878	2905929375	-67.543	6.771E+08	-107.85
2875000000	-3.8774	728100000	-1.8604	728100000	-96.016	728100000	-93.62	2875000000	-31.022	2907355000	-65.136	6.775E+08	-104.32
2876875000	-3.8795	728112500	-1.8575	728112500	-92.424	728112500	-93.835	2876875000	-27.569	2908780625	-54.155	6.780E+08	-94.057
2878750000	-3.8811	728125000	-1.8608	728125000	-88.71	728125000	-94.712	2878750000	-21.375	2910206250	-58.741	6.784E+08	-103.66
2880625000	-3.8823	728137500	-1.8581	728137500	-89.76	728137500	-90.81	2880625000	-24.675	2911631875	-61.488	6.789E+08	-113.94
2882500000	-3.8838	728150000	-1.8613	728150000	-87.764	728150000	-90.466	2882500000	-23.257	2913057500	-41.247	6.793E+08	-104.7
2884375000	-3.8866	728162500	-1.8627	728162500	-90.142	728162500	-91.26	2884375000	-29.475	2914483125	-60.968	6.797E+08	-105.26
2886250000	-3.8902	728175000	-1.8582	728175000	-90.83	728175000	-92.869	2886250000	-47.116	2915908750	-66.355	6.802E+08	-98.535
2888125000	-3.8941	728187500	-1.8581	728187500	-94.467	728187500	-90.692	2888125000	-44.862	2917334375	-62.577	6.806E+08	-100.55
2890000000	-3.8975	728200000	-1.8562	728200000	-92.596	728200000	-92.287	2890000000	-62.314	2918760000	-90.341	6.810E+08	-106.09
2891875000	-3.9003	728212500	-1.8578	728212500	-89.708	728212500	-93.309	2891875000	-47.626	2920185625	-106.25	6.815E+08	-105.44
2893750000	-3.9023	728225000	-1.8564	728225000	-93.002	728225000	-88.956	2893750000	-60.958	2921611250	-82.1	6.819E+08	-107.66
2895625000	-3.9035	728237500	-1.86	728237500	-96.658	728237500	-92.691	2895625000	-70.259	2923036875	-45.127	6.824E+08	-98.965

Frequency Hz	Frequency MHz	Freq MHz	Cable loss dB	Dielectric S21	Freq MHz	Cable loss	s21 Dielectric dB	Freq MHz	Cable loss	s21 Dielectric dB
max=>										
min=>										
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

	Block 1	Block 2	Block 3	Block 4	Block 5	Block 6	Block 7
Setup	[N right anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[N right angle]	[N right anlge]+[25footLMR400]+[female thru]+[25footLMR400]+[N right angle]	[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+~~[fine match to antenna]~~+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]	[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]	[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]	[25footLMR400]+[N right anlge]+[N to 3-1/8 adapter]+[mask filter input]+[patch panen]+[fine match to antenna adjusted]+[N to 3-1/8 adapter]+[N right anlge]+[25footLMR400]	
NA	HP8753ES	HP8753ES	HP8753ES	HP8753ES	HP8753ES	HP8753ES	HP8753ES
FW_VERSION	7.74	7.74	7.74	7.74	7.74	7.74	7.74
FW_DATE	30-Oct-02	30-Oct-02	30-Oct-02	30-Oct-02	30-Oct-02	3.76E+04	
DATE	4 Jun 2007	4 Jun 2007	4 Jun 2007	4 Jun 2007	4 Jun 2007	4 Jun 2007	5 Jun 2007
TIME	10:40:01	11:05:31	15:14:55	16:42:18	17:00:50	17:10:10	14:40:27
CHAN	1	1	1	1	1	1	1.000E+00
MEAS	S21	S21	S21	S21	S21	S21	S21
FORMAT	LOG_MAG	LOG_MAG	LOG_MAG	LOG_MAG	LOG_MAG	LOG_MAG	
CHAN_START_FREQ	10000000	709000000	709000000	709000000	10000000	729000000	1.000E+07
CHAN_STOP_FREQ	3010000000	729000000	729000000	729000000	3010000000	3010000000	709000000
POINTS	1601	1601	1601	1601	1601	1601	1.601E+03
POWER	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
IF_BW	300	300	300	300	300	3.00E+02	

FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB	FREQUENCY Hz	UNITS dB
2897500000	-3.9044	728250000	-1.8572	728250000	-93.272	728250000	-91.402	2897500000	-43.285	2924462500	-56.958	6.828E+08	-90.215
2899375000	-3.9054	728262500	-1.8585	728262500	-90.192	728262500	-94.707	2899375000	-41.283	2925888125	-54.034	6.832E+08	-92.983
2901250000	-3.9081	728275000	-1.8581	728275000	-91.613	728275000	-91.243	2901250000	-43.958	2927313750	-50.695	6.837E+08	-100.44
2903125000	-3.9125	728287500	-1.8588	728287500	-92.323	728287500	-93.969	2903125000	-41.059	2928739375	-28.188	6.841E+08	-100.92
2905000000	-3.917	728300000	-1.8605	728300000	-90.972	728300000	-92.075	2905000000	-63.317	2930165000	-43.159	6.845E+08	-110.85
2906875000	-3.9202	728312500	-1.8604	728312500	-89.223	728312500	-93.651	2906875000	-87.414	2931590625	-41.639	6.850E+08	-100.43
2908750000	-3.9219	728325000	-1.8587	728325000	-108.88	728325000	-93.14	2908750000	-54.659	2933016250	-49.89	6.854E+08	-108.15
2910625000	-3.922	728337500	-1.8605	728337500	-90.084	728337500	-94.663	2910625000	-66.733	2934441875	-47.663	6.858E+08	-91.204
2912500000	-3.9212	728350000	-1.8612	728350000	-107.51	728350000	-89.944	2912500000	-47.835	2935867500	-33.5	6.863E+08	-96.445
2914375000	-3.9199	728362500	-1.8603	728362500	-97.335	728362500	-90.852	2914375000	-55.047	2937293125	-42.301	6.867E+08	-99.751
2916250000	-3.92	728375000	-1.8577	728375000	-95.818	728375000	-90.779	2916250000	-64.336	2938718750	-23.348	6.872E+08	-101.61
2918125000	-3.923	728387500	-1.8616	728387500	-95.01	728387500	-88.933	2918125000	-79.49	2940144375	-22.514	6.876E+08	-95.341
2920000000	-3.9286	728400000	-1.862	728400000	-89.96	728400000	-97.048	2920000000	-92.593	2941570000	-30.589	6.880E+08	-100.48
2921875000	-3.9351	728412500	-1.8603	728412500	-88.798	728412500	-94.69	2921875000	-86.736	2942995625	-36.922	6.885E+08	-100.28
2923750000	-3.9402	728425000	-1.8587	728425000	-92.366	728425000	-93.363	2923750000	-50.874	2944421250	-38.15	6.889E+08	-112.71
2925625000	-3.9433	728437500	-1.8572	728437500	-93.833	728437500	-90.848	2925625000	-56.011	2945846875	-30.812	6.893E+08	-118.94
2927500000	-3.9454	728450000	-1.8604	728450000	-95.435	728450000	-97.456	2927500000	-51.301	2947272500	-53.175	6.898E+08	-102.17
2929375000	-3.9462	728462500	-1.8594	728462500	-90.755	728462500	-91.373	2929375000	-32.012	2948698125	-58.134	6.902E+08	-104.05
2931250000	-3.946	728475000	-1.857	728475000	-95.227	728475000	-91.872	2931250000	-42.24	2950123750	-62.581	6.907E+08	-99.824
2933125000	-3.9457	728487500	-1.8589	728487500	-92.06	728487500	-94.292	2933125000	-51.461	2951549375	-36.292	6.911E+08	-107.21
2935000000	-3.9465	728500000	-1.8572	728500000	-93.387	728500000	-94.465	2935000000	-42.677	2952975000	-37.041	6.915E+08	-113.06
2936875000	-3.9483	728512500	-1.8606	728512500	-92.077	728512500	-105.27	2936875000	-41.489	2954400625	-69.927	6.920E+08	-107.43
2938750000	-3.9503	728525000	-1.8579	728525000	-99.292	728525000	-91.059	2938750000	-25.253	2955826250	-36.3	6.924E+08	-113.37
2940625000	-3.9516	728537500	-1.857	728537500	-103.71	728537500	-95.779	2940625000	-24.803	2957251875	-34.616	6.928E+08	-100.83
2942500000	-3.9522	728550000	-1.8568	728550000	-93.802	728550000	-92.496	2942500000	-35.317	2958677500	-36.179	6.933E+08	-97.006
2944375000	-3.9524	728562500	-1.8546	728562500	-99.594	728562500	-95.993	2944375000	-38.24	2960103125	-44.603	6.937E+08	-92.921
2946250000	-3.9518	728575000	-1.8599	728575000	-93.574	728575000	-92.581	2946250000	-34.398	2961528750	-38.82	6.941E+08	-91.114
2948125000	-3.951	728587500	-1.8579	728587500	-106.17	728587500	-92.498	2948125000	-57.481	2962954375	-42.792	6.946E+08	-100.7
2950000000	-3.9504	728600000	-1.8562	728600000	-119.62	728600000	-95.063	2950000000	-63.667	2964380000	-57.884	6.950E+08	-92.589
2951875000	-3.9509	728612500	-1.8587	728612500	-91.431	728612500	-103.37	2951875000	-36.245	2965805625	-38.187	6.955E+08	-94.383
2953750000	-3.9519	728625000	-1.8583	728625000	-95.022	728625000	-95.55	2953750000	-53.137	2967231250	-39.102	6.959E+08	-91.845
2955625000	-3.9526	728637500	-1.8572	728637500	-98.476	728637500	-94.806	2955625000	-41.081	2968656875	-35.621	6.963E+08	-94.423
2957500000	-3.9524	728650000	-1.8621	728650000	-87.464	728650000	-94.607	2957500000	-36.125	2970082500	-66.863	6.968E+08	-97.026
2959375000	-3.9516	728662500	-1.8625	728662500	-88.121	728662500	-93.32	2959375000	-35.889	2971508125	-59.113	6.972E+08	-89.961
2961250000	-3.9506	728675000	-1.8581	728675000	-94.515	728675000	-93.249	2961250000	-43.01	2972933750	-61.237	6.976E+08	-100.74
2963125000	-3.9493	728687500	-1.8598	728687500	-93.571	728687500	-93.461	2963125000	-46.057	2974359375	-73.604	6.981E+08	-94.141
2965000000	-3.9479	728700000	-1.855	728700000	-98.765	728700000	-93.745	2965000000	-47.611	2975785000	-64.556	6.985E+08	-100.9
2966875000	-3.9471	728712500	-1.8611	728712500	-92.588	728712500	-99.538	2966875000	-37.404	2977210625	-65.693	6.990E+08	-104.03
2968750000	-3.9472	728725000	-1.856	728725000	-91.502	728725000	-94.591	2968750000	-37.387	2978636250	-65.137	6.994E+08	-93.74
2970625000	-3.9479	728737500	-1.8566	728737500	-101.23	728737500	-93.278	2970625000	-67.37	2980061875	-62.738	6.998E+08	-94.793
2972500000	-3.9487	728750000	-1.8536	728750000	-96.943	728750000	-94.086	2972500000	-60.026	2981487500	-71.377	7.003E+08	-110.33
2974375000	-3.9491	728762500	-1.8581	728762500	-97.307	728762500	-95.658	2974375000	-73.073	2982913125	-69.983	7.007E+08	-92.985
2976250000	-3.949	728775000	-1.8577	728775000	-93.247	728775000	-96.452	2976250000	-66.132	2984338750	-87.507	7.011E+08	-105.75
2978125000	-3.9482	728787500	-1.8562	728787500	-98.172	728787500	-97.545	2978125000	-62.935	2985764375	-81.048	7.016E+08	-102.62
2980000000	-3.9463	728800000	-1.8554	728800000	-91.961	728800000	-92.747	2980000000	-63.207	2987190000	-58.502	7.020E+08	-97.841
2981875000	-3.9432	728812500	-1.8558	728812500	-95.692	728812500	-96.88	2981875000	-66.763	2988615625	-59.876	7.024E+08	-105.69
2983750000	-3.9399	728825000	-1.8576	728825000	-91.586	728825000	-93.982	2983750000	-78.041	2990041250	-53.74	7.029E+08	-100.79
2985625000	-3.9379	728837500	-1.8559	728837500	-95.505	728837500	-93.468	2985625000	-88.185	2991466875	-44.877	7.033E+08	-98.394
2987500000	-3.9372	728850000	-1.8565	728850000	-100.95	728850000	-93.691	2987500000	-57.889	2992892500	-46.807	7.038E+08	-100.81
2989375000	-3.9378	728862500	-1.8583	728862500	-93.5	728862500	-99.617	2989375000	-57.386	2994318125	-62.417	7.042E+08	-114.54
2991250000	-3.9391	728875000	-1.8553	728875000	-89.61	728875000	-93.574	2991250000	-46.374	2995743750	-63.049	7.046E+08	-113.12
2993125000	-3.9405	728887500	-1.8543	728887500	-90.997	728887500	-97.05	2993125000	-49.162	2997169375	-49.709	7.051E+08	-127.41
2995000000	-3.9412	728900000	-1.8549	728900000	-94.077	728900000	-94.307	2995000000	-68.798	2998595000	-33.271	7.055E+08	-97.843
2996875000	-3.9411	728912500	-1.8562	728912500	-96.782	728912500	-93.437	2996875000	-53.014	3000020625	-15.374	7.059E+08	-100.29
2998750000	-3.9405	728925000	-1.8559	728925000	-95.903	728925000	-95.453	2998750000	-30.128	3001446250	-13.949	7.064E+08	-92.512
3000625000	-3.9401	728937500	-1.858	728937500	-94.633	728937500	-94.185	3000625000	-14.732	3002871875	-18.947	7.068E+08	-103.41
3002500000	-3.9404	728950000	-1.8593	728950000	-101.38	728950000	-93.816	3002500000	-19.466	3004297500	-40.466	7.073E+08	-95.06
3004375000	-3.9412	728962500	-1.859	728962500	-91.467	728962500	-93.515	3004375000	-41.583	3005723125	-49.22	7.077E+08	-97.389
3006250000	-3.9426	728975000	-1.8573	728975000	-96.591	728975000	-94.382	3006250000	-48.828	3007148750	-41.309	7.081E+08	-96.232
3008125000	-3.9442	728987500	-1.8598	728987500	-97.296	728987500	-94.362	3008125000	-46.924	3008574375	-51.413	7.086E+08	-94.293
3010000000	-3.9457	729000000	-1.8572	729000000	-90.916	729000000	-95.809	3010000000	-28.132	3010000000	-25.295	7.090E+08	-90.198