



19-Apr-02

Freq (GHz)	Psynth	P10in (old)	P10in (new)	P10innew-3
3.0	13.68	8.9	12.25	9.25
3.5	13.65	8.68	12.09	9.09
4.0	13.66	8.54	12.06	9.06
4.5	13.68	8.28	11.83	8.83
5.0	13.65	8.26	11.81	8.81
5.5	13.63	8.55	11.19	8.19
6.0	13.61	7.99	11.3	8.3
6.5	13.6	7.83	11.48	8.48
7.0	13.61	7.75	11.13	8.13
7.5	13.58	7.45	11.26	8.26
8.0	13.6	7.47	11.2	8.2
8.5	13.56	7.18	10.98	7.98
9.0	13.56	7.14	10.96	7.96
9.5	13.55	6.99	10.96	7.96
10.0	13.56	6.73	10.79	7.79
10.5	13.47	6.5	10.5	7.5
11.0	13.49	6.08	10.55	7.55
11.5	13.53	5.83	10.5	7.5
12.0	13.52	5.67	10.15	7.15
12.5	13.48	5.55	10.44	7.44
13.0	13.48	5.65	10.42	7.42
13.5	13.48	5.81	10.14	7.14
14.0	13.51	5.46	9.94	6.94
14.5	13.47	5.44	9.46	6.46
15.0	13.41	5.35	9.63	6.63

Psynth = power from synth when set to +13.0 dBm
P10in (old) = old cable from synth to switch, old cable from switch to mixer + 3dB pad
P10in (new) = new cable from synth to switch, new cable from switch to mixer.
Pswin(new) = new cable from synth to switch
Pswin(old) = old cable from synth to switch

Freq (GHz)	Pswin(new)	Pswin(old)	del
1.2	13.32	13.16	0.16
1.5	13.26	13.08	0.18
2	13.19	12.95	0.24
2.5	13.11	12.83	0.28
6	13.06	12.78	0.28
10	12.22		
11	11.89		
12	12.15		
13	11.81		
14	11.08		
15	11.91		
16	11.28		
17	11.28		
18	11.27		
19	10.53		
20	10.33		

15.5	13.52	4.68	9.69	6.69
16.0	13.56	2.44	9.81	6.81
16.5	13.55	-4.24	9.19	6.19
17.0	13.48	0.89	8.51	5.51
17.5	13.51	3.4	9.16	6.16
18.0	13.48	3.89	9.34	6.34
18.5	13.49	4.17	7.17	4.17
19.0	13.62	4.36	8.23	5.23
19.5	13.48	4.04	6.95	3.95
20.0	12.97	3.68	8.58	5.58