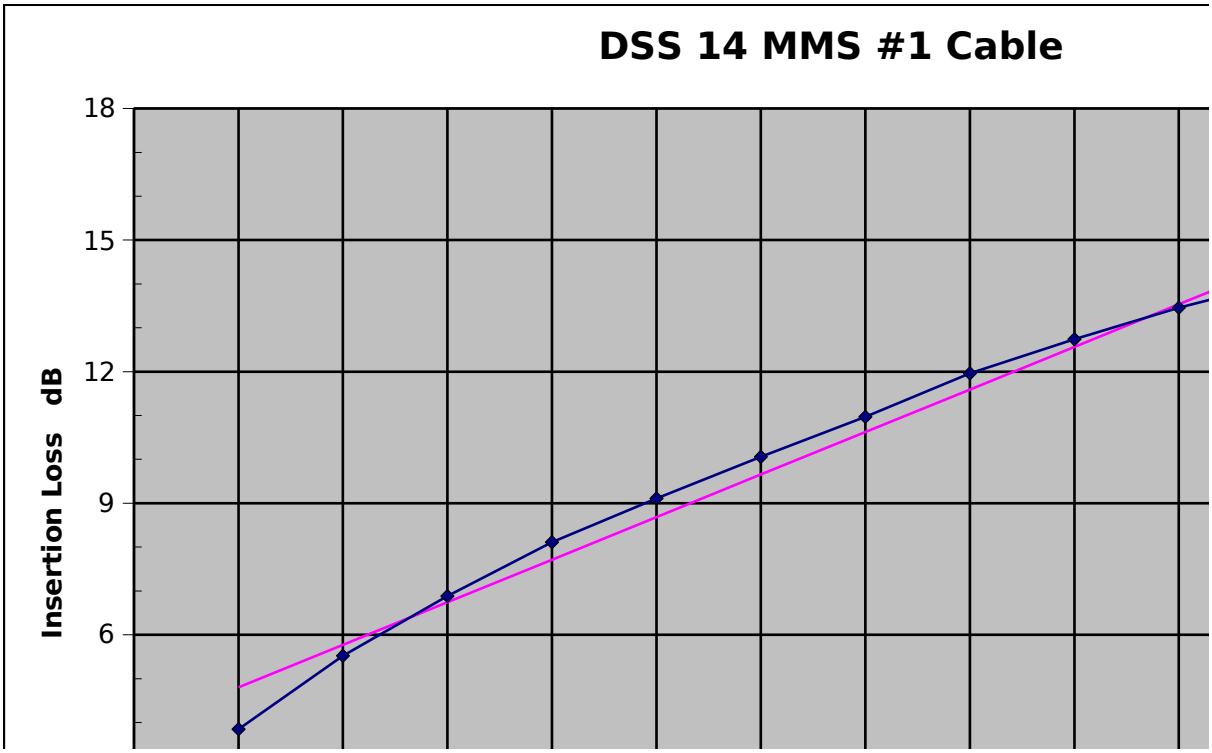
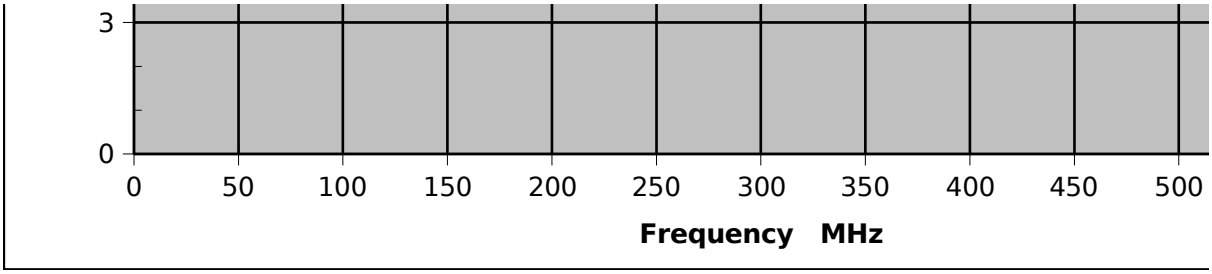
DSS 14 MMS Cable Loss Measure

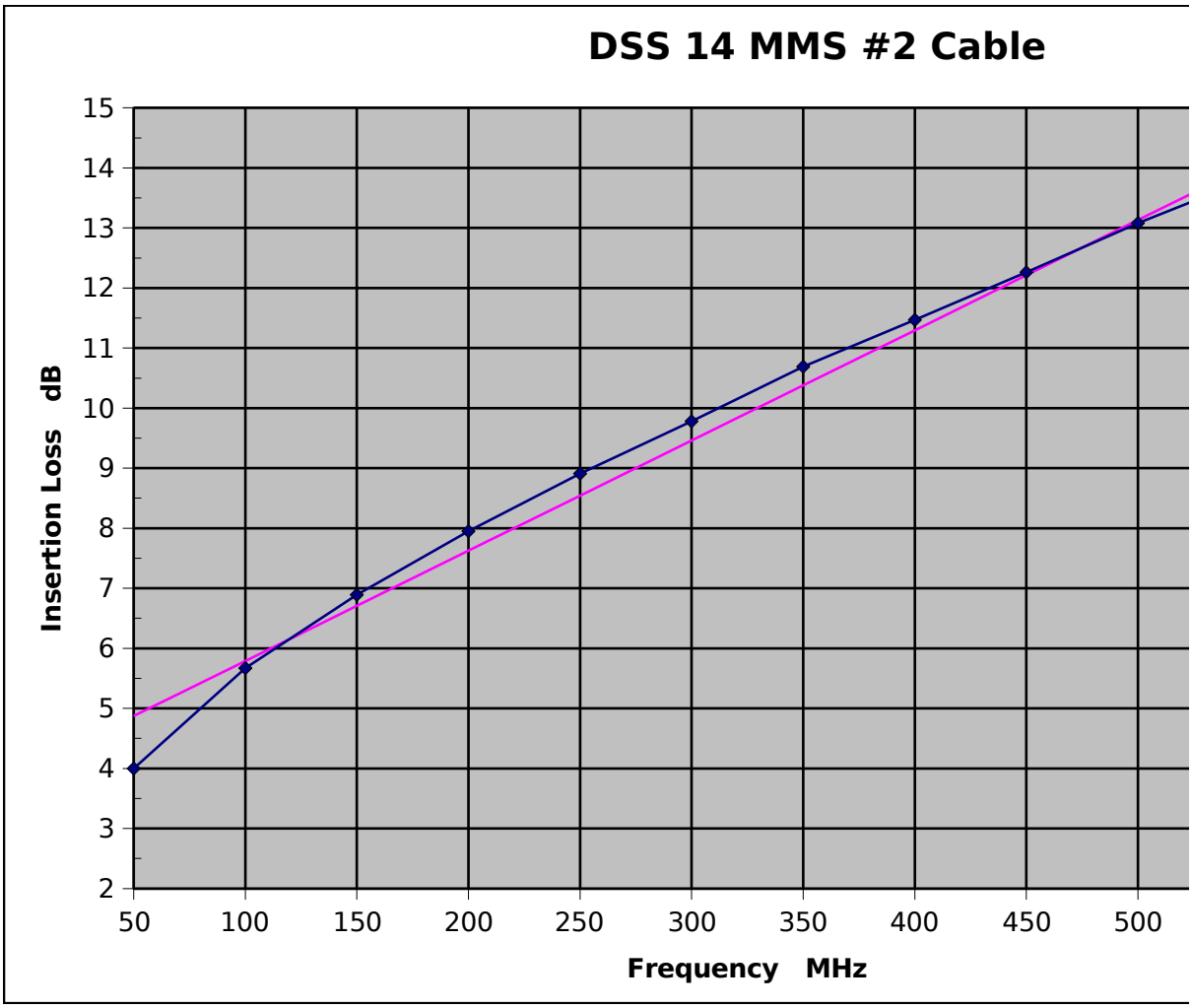
From: MMS#1 and #2 Output
To: SVLBI/RA I/F Distributors #1 and #2
(No Post Amps after MMS Outputs)
10th January 2002

Frequency MHz	Input Power dBm	MMS #1 Cable		MMS #2 Cable			Fitted MMS #1 Cable Loss dB
		Output Power dBm	Cable Loss dB	Output Power dBm	Cable Loss dB		
50	-0.22	-4.07	3.9	-4.22	4.0		4.80
100	-0.73	-6.25	5.5	-6.40	5.7		5.77
150	-0.87	-7.75	6.9	-7.76	6.9		6.74
200	-1.04	-9.15	8.1	-8.99	8.0		7.71
250	-1.21	-10.32	9.1	-10.12	8.9		8.68
300	-1.04	-11.10	10.1	-10.82	9.8		9.65
350	-1.23	-12.20	11.0	-11.92	10.7		10.62
400	-1.31	-13.27	12.0	-12.78	11.5		11.59
450	-1.42	-14.16	12.7	-13.68	12.3		12.56
500	-1.52	-14.98	13.5	-14.60	13.1		13.53
550	-1.68	-15.75	14.1	-15.50	13.8		14.50
600	-1.77	-16.70	14.9	-16.28	14.5		15.47

Slope (dBm/MHz) =	0.019	0.018	MMS #1 7
Intercept (dB) =	3.83	3.95	MMS #2 7



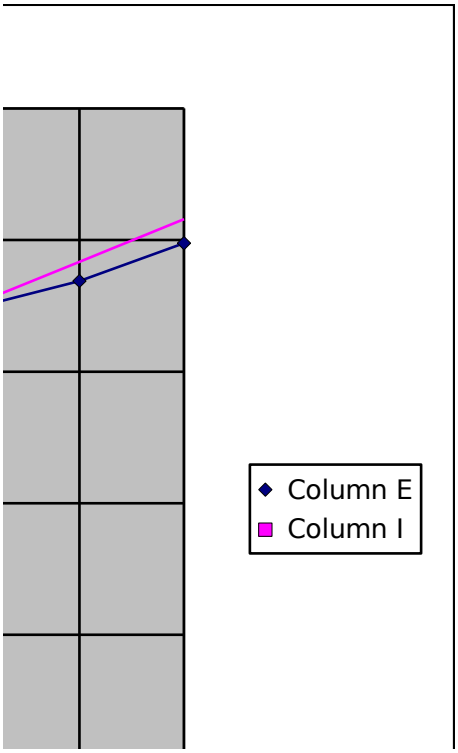

3
0
0
50
100
150
200
250
300
350
400
450
500
Frequency MHz


DSS 14 MMS #2 Cable
Insertion Loss dB
15
14
13
12
11
10
9
8
7
6
5
4
3
2
50
100
150
200
250
300
350
400
450
500
Frequency MHz

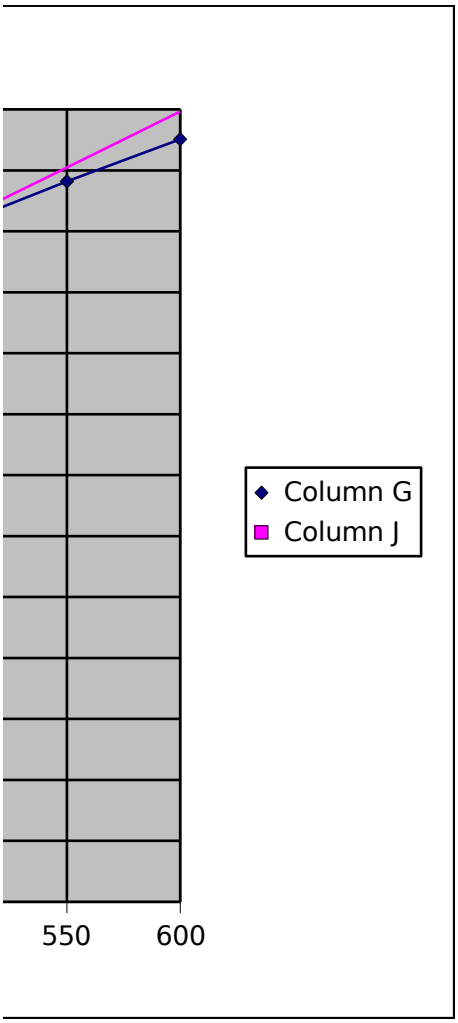
ements

Fitted MMS #2 Cable Loss dB
4.87
5.79
6.71
7.63
8.54
9.46
10.38
11.30
12.21
13.13
14.05
14.97

0 > 570MHz Delta =	9.7 dB
0 > 570MHz Delta =	9.2 dB



550
600


550
600
Column G
Column J