

AT FILE NOTE

PARKES 64M RADIOTELESCOPE

Estimated Surface Power Transmission Factors, P_n , for the perforated and mesh surfaces

(deduced from data supplied by DE Yabsley)

Frequency (GHz)	P_2 Perforated	P_3 Mesh
2.3	-	0.006
5	-	0.03
8.4	0.001	0.1
12	0.002	0.2
15	0.0035	0.3
18	0.005	0.5
22	0.016	0.7
25	0.025	0.85

Note: This information is provided in particular for input to the computer program used for computing efficiencies of the Parkes radiotelescope as a function of feed pattern. The relative power through each surface is also computed to enable the antenna temperature components to be determined. (See B MacA Thomas or R G Gough).



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