

Cavity	1-5/8" Flexible Length (ft)	1-5/8" Hardline Length (ft)	3-1/8" Hardline Length (ft)	Transmission line loss (dB)	Circulator Insertion Loss (dB)	Total Loss (dB)
HWR-1	51.5	15.25	0	0.532	0.3	0.832
HWR-2 to 6	50.08	18.625	0	0.536	0.3	0.836
HWR-7 to 8	49.5	8	5.8725	0.516	0.3	0.816

HWR at 162.5MHz
Loss(dB /100ft) 0.282 0.24 0.123

	Flexible Flange	Hardline Flange
Flange Loss (dB/unit)	0.05	0.005
Flange count	6	10
Flange Loss	0.3	0.05

	3-1/8" Hardline Length (ft)	Transmission line loss (dB)	Circulator Insertion Loss (dB)	Total Loss (dB)
SSR1- Estimate	65	0.156	0.3	0.456

SSR1 at 325MHz
Loss(dB /100ft) 0.24

	Hardline Flange
Flange Loss (dB/unit)	0.005
Flange count	28
Flange Loss	0.14