

Return Loss	Voltage Standing Wave Ratio	Reflection Coefficient
$R.L. = -20 * \log  \Gamma  \text{ dB}$ $R.L. = -20 * \log \left( \frac{VSWR - 1}{VSWR + 1} \right) \text{ dB}$	$VSWR = \frac{10^{\frac{R.L.[dB]}{20}} + 1}{10^{\frac{R.L.[dB]}{20}} - 1}$ $VSWR = \frac{1 +  \Gamma }{1 -  \Gamma }$	$ \Gamma  = 10^{\frac{-R.L.[dB]}{20}}$ $ \Gamma  = \left  \frac{Z_L - Z_0}{Z_L + Z_0} \right $ $ \Gamma  = \left  \frac{VSWR - 1}{VSWR + 1} \right $

Note: VSWR values were used to calculate the other two related values (rounded to 3 significant places)

RL (dB)	VSWR	$\Gamma$	RL (dB)	VSWR	$\Gamma$	RL (dB)	VSWR	$\Gamma$	RL (dB)	VSWR	$\Gamma$
46.1	1.01	0.00498	25.7	1.11	0.0521	18.0	1.29	0.126	8.0	2.32	0.398
40.1	1.02	0.00990	24.9	1.12	0.0566	17.0	1.33	0.141	7.0	2.61	0.447
36.6	1.03	0.0148	24.3	1.13	0.0610	16.0	1.38	0.158	6.0	3.01	0.501
34.1	1.04	0.0196	23.7	1.14	0.0654	15.0	1.43	0.178	5.0	3.57	0.562
32.3	1.05	0.0244	23.1	1.15	0.0698	14.0	1.50	0.200	4.0	4.42	0.631
30.7	1.06	0.0291	22.6	1.16	0.0783	13.0	1.58	0.224	3.0	5.85	0.708
29.4	1.07	0.0338	21.7	1.18	0.0826	12.0	1.67	0.251	2.0	8.72	0.794
28.3	1.08	0.0385	20.8	1.20	0.0909	11.0	1.78	0.282	1.0	17.4	0.891
27.3	1.09	0.0431	20.0	1.22	0.100	10.0	1.92	0.316	0.5	34.8	0.944
26.4	1.10	0.0476	19.0	1.25	0.112	9.0	2.10	0.355	0.0	Infinity	1.00