

VSWR換算表

- ①反射係数 $|\Gamma| = \frac{VSWR-1}{VSWR+1}$ ②反射損失 $K(\text{dB}) = 20 \log\left(\frac{1}{|\Gamma|}\right)$ ③反射電力 $R(\%) = |\Gamma|^2 \times 100$
 ④伝送電力 $T(\%) = (1-|\Gamma|^2) \times 100$ ⑤伝送損失 $S(\text{dB}) = -10 \log(1-|\Gamma|^2)$

VSWR	反射係数 $ \Gamma $	反射損失 (dB)	反射電力 (%)	伝送電力 (%)	伝送損失 (dB)
1.00	0.0000	∞	0.000	100.00	0.000
1.05	.0244	32.25	0.060	99.940	.003
1.10	.0476	26.45	0.227	99.773	.010
1.15	.0698	23.12	0.487	99.513	.021
1.20	.0909	20.83	0.826	99.174	.036
1.25	.1111	19.09	1.234	98.766	.054
1.30	.1304	17.70	1.700	98.300	.074
1.35	.1489	16.54	2.217	97.783	.097
1.40	.1667	15.56	2.779	97.221	.122
1.45	.1837	14.72	3.375	96.625	.149
1.50	.2000	13.98	4.000	96.000	.177
1.55	.2157	13.32	4.653	95.347	.207
1.60	.2308	12.74	5.327	94.673	.238
1.65	.2453	12.21	6.017	93.983	.269
1.70	.2593	11.73	6.724	93.276	.302
1.75	.2727	11.29	7.437	92.563	.336
1.80	.2857	10.88	8.162	91.838	.370
1.85	.2982	10.51	8.892	91.108	.404
1.90	.3103	10.16	9.629	90.371	.440
1.95	.3220	9.84	10.37	89.63	.475
2.00	.3333	9.54	11.11	88.89	.511
2.05	.3443	9.26	11.85	88.15	.548
2.10	.3548	8.98	12.66	87.34	.584
2.15	.3651	8.75	13.33	86.67	.621
2.20	.3750	8.52	14.06	85.94	.658
2.25	.3846	8.30	14.79	85.21	.695
2.30	.3936	8.09	15.52	84.48	.732
2.35	.4030	7.89	16.24	83.76	.770
2.40	.4118	7.71	16.96	83.04	.807
2.45	.4203	7.53	17.67	82.33	.844
2.50	.4286	7.36	18.37	81.63	.882

VSWR	反射係数 $ \Gamma $	反射損失 (dB)	反射電力 (%)	伝送電力 (%)	伝送損失 (dB)
2.55	.4366	7.20	19.06	80.94	.918
2.60	.4444	7.04	19.75	80.25	.956
2.65	.4521	6.90	20.44	79.56	.993
2.70	.4595	6.76	21.11	78.89	1.030
2.75	.4667	6.62	21.78	78.22	1.067
2.80	.4737	6.49	22.44	77.56	1.104
2.85	.4805	6.37	23.09	76.91	1.140
2.90	.4872	6.25	23.74	76.26	1.177
2.95	.4937	6.13	24.37	75.63	1.213
3.00	.5000	6.02	25.00	75.00	1.250
3.05	.5062	5.91	25.62	74.38	1.285
3.10	.5122	5.81	26.23	73.77	1.321
3.15	.5181	5.71	26.84	73.16	1.357
3.20	.5238	5.62	27.44	72.56	1.393
3.25	.5294	5.52	28.03	71.97	1.429
3.30	.5349	5.43	28.61	71.39	1.464
3.35	.5402	5.35	29.18	70.82	1.498
3.40	.5455	5.26	29.76	70.24	1.534
3.45	.5506	5.18	30.32	69.68	1.569
3.50	.5556	5.10	30.87	69.13	1.603
3.55	.5604	5.03	31.40	68.60	1.637
3.60	.5652	4.96	31.95	68.05	1.672
3.65	.5699	4.88	32.48	67.52	1.706
3.70	.5745	4.81	33.01	66.99	1.740
3.75	.5789	4.75	33.51	66.49	1.772
3.80	.5833	4.68	34.03	65.97	1.807
3.85	.5876	4.62	34.53	65.47	1.840
3.90	.5918	4.56	35.02	64.98	1.872
3.95	.5960	4.50	35.52	64.48	1.906
4.00	.6000	4.44	36.00	64.00	1.938