

9 3/16" 50 Ohm Rigid Coaxial Transmission Line, TV Ratings and Efficiency in Percent

CH #	Freq. MHz	ATTEN. in dB/100 ft	Average Power (Kilowatts)	250 ft	500 ft	750 ft	1000 ft	1250 ft	1500 ft	1750 ft	2000 ft
2	54	0.024	508.072	98.65	97.32	96.00	94.70	93.42	92.16	90.91	89.69
3	60	0.025	482.000	98.58	97.17	95.79	94.42	93.08	91.75	90.45	89.16
4	66	0.026	459.569	98.51	97.04	95.59	94.16	92.75	91.37	90.01	88.66
5	76	0.028	428.268	98.40	96.82	95.27	93.75	92.25	90.77	89.32	87.88
6	82	0.029	412.302	98.34	96.70	95.09	93.51	91.96	90.43	88.93	87.45
7	174	0.042	283.040	97.59	95.23	92.93	90.69	88.50	86.37	84.28	82.25
8	180	0.043	278.283	97.55	95.15	92.82	90.54	88.32	86.15	84.04	81.98
9	186	0.044	273.757	97.51	95.07	92.70	90.39	88.14	85.94	83.80	81.71
10	192	0.045	269.446	97.47	95.00	92.59	90.25	87.96	85.73	83.56	81.44
11	198	0.045	265.332	97.43	94.92	92.48	90.10	87.78	85.53	83.33	81.18
12	204	0.046	261.401	97.39	94.85	92.37	89.96	87.61	85.33	83.10	80.93
13	210	0.047	257.640	97.35	94.77	92.27	89.82	87.44	85.13	82.87	80.68
14	470	0.070	172.216	96.07	92.28	88.65	85.17	81.81	78.59	75.50	72.53
15	476	0.070	171.127	96.04	92.24	88.59	85.08	81.71	78.47	75.37	72.38
16	482	0.071	170.059	96.02	92.19	88.52	84.99	81.61	78.35	75.23	72.24
17	488	0.071	169.010	95.99	92.14	88.45	84.91	81.50	78.24	75.10	72.09
18	494	0.071	167.980	95.97	92.10	88.38	84.82	81.40	78.12	74.97	71.95
19	500	0.072	166.970	95.94	92.05	88.32	84.74	81.30	78.00	74.84	71.80
20	506	0.072	165.977	95.92	92.01	88.25	84.65	81.20	77.89	74.71	71.66
21	512	0.073	165.001	95.90	91.96	88.19	84.57	81.10	77.77	74.58	71.52
22	518	0.073	164.043	95.87	91.92	88.12	84.49	81.00	77.66	74.45	71.38
23	524	0.074	163.101	95.85	91.87	88.06	84.40	80.90	77.54	74.33	71.24
24	530	0.074	162.175	95.83	91.83	88.00	84.32	80.80	77.43	74.20	71.10
25	536	0.074	161.265	95.80	91.78	87.93	84.24	80.71	77.32	74.07	70.97
26	542	0.075	160.370	95.78	91.74	87.87	84.16	80.61	77.21	73.95	70.83

Standard Conditions:

Attenuation: Ambient Temperature 20°C (68°F), Dry Air, Sea Level Atmospheric Pressure, VSWR 1.0, 0KW

Average Power: Ambient Temperature 40°C (104°F), Inner Conductor Temperature 100°C (212°F), Dry Air, Sea Level Atmospheric Pressure, VSWR 1.0