

8 3/16" 50 Ohm Rigid Coaxial Transmission Line, FM Ratings and Efficiency in Percent

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
88.1	0.03395	321.485	98.06	96.17	94.30	92.48	90.69	88.93	87.21	85.52
88.3	0.03399	321.121	98.06	96.16	94.30	92.47	90.68	88.92	87.20	85.51
88.5	0.03403	320.758	98.06	96.16	94.29	92.46	90.67	88.91	87.19	85.49
88.7	0.03407	320.396	98.06	96.15	94.29	92.45	90.66	88.90	87.17	85.48
88.9	0.03411	320.035	98.06	96.15	94.28	92.45	90.65	88.89	87.16	85.46
89.1	0.03415	319.676	98.05	96.14	94.27	92.44	90.64	88.88	87.15	85.45
89.3	0.03419	319.318	98.05	96.14	94.27	92.43	90.63	88.86	87.13	85.43
89.5	0.03422	318.961	98.05	96.14	94.26	92.42	90.62	88.85	87.12	85.42
89.7	0.03426	318.605	98.05	96.13	94.25	92.41	90.61	88.84	87.10	85.40
89.9	0.03430	318.250	98.04	96.13	94.25	92.41	90.60	88.83	87.09	85.39
90.1	0.03434	317.897	98.04	96.12	94.24	92.40	90.59	88.82	87.08	85.37
90.3	0.03438	317.545	98.04	96.12	94.24	92.39	90.58	88.80	87.06	85.36
90.5	0.03441	317.194	98.04	96.12	94.23	92.38	90.57	88.79	87.05	85.34
90.7	0.03445	316.844	98.04	96.11	94.22	92.37	90.56	88.78	87.04	85.33
90.9	0.03449	316.495	98.03	96.11	94.22	92.37	90.55	88.77	87.02	85.31
91.1	0.03453	316.147	98.03	96.10	94.21	92.36	90.54	88.76	87.01	85.30
91.3	0.03457	315.801	98.03	96.10	94.21	92.35	90.53	88.75	87.00	85.28
91.5	0.03460	315.455	98.03	96.09	94.20	92.34	90.52	88.73	86.98	85.27
91.7	0.03464	315.111	98.03	96.09	94.19	92.33	90.51	88.72	86.97	85.25
91.9	0.03468	314.768	98.02	96.09	94.19	92.33	90.50	88.71	86.96	85.24
92.1	0.03472	314.426	98.02	96.08	94.18	92.32	90.49	88.70	86.95	85.22
92.3	0.03475	314.085	98.02	96.08	94.17	92.31	90.48	88.69	86.93	85.21
92.5	0.03479	313.746	98.02	96.07	94.17	92.30	90.47	88.68	86.92	85.20
92.7	0.03483	313.407	98.01	96.07	94.16	92.29	90.46	88.67	86.91	85.18
92.9	0.03487	313.069	98.01	96.07	94.16	92.29	90.45	88.65	86.89	85.17
93.1	0.03490	312.733	98.01	96.06	94.15	92.28	90.44	88.64	86.88	85.15
93.3	0.03494	312.398	98.01	96.06	94.14	92.27	90.43	88.63	86.87	85.14
93.5	0.03498	312.063	98.01	96.05	94.14	92.26	90.42	88.62	86.85	85.12
93.7	0.03502	311.730	98.00	96.05	94.13	92.25	90.41	88.61	86.84	85.11
93.9	0.03505	311.398	98.00	96.04	94.13	92.25	90.40	88.60	86.83	85.09
94.1	0.03509	311.067	98.00	96.04	94.12	92.24	90.39	88.59	86.81	85.08
94.3	0.03513	310.737	98.00	96.04	94.11	92.23	90.38	88.57	86.80	85.06
94.5	0.03517	310.408	98.00	96.03	94.11	92.22	90.37	88.56	86.79	85.05
94.7	0.03520	310.080	97.99	96.03	94.10	92.21	90.36	88.55	86.77	85.03
94.9	0.03524	309.753	97.99	96.02	94.10	92.21	90.35	88.54	86.76	85.02
95.1	0.03528	309.427	97.99	96.02	94.09	92.20	90.34	88.53	86.75	85.00
95.3	0.03531	309.102	97.99	96.02	94.08	92.19	90.34	88.52	86.74	84.99
95.5	0.03535	308.778	97.99	96.01	94.08	92.18	90.33	88.51	86.72	84.98
95.7	0.03539	308.456	97.98	96.01	94.07	92.17	90.32	88.49	86.71	84.96
95.9	0.03543	308.134	97.98	96.00	94.07	92.17	90.31	88.48	86.70	84.95
96.1	0.03546	307.813	97.98	96.00	94.06	92.16	90.30	88.47	86.68	84.93
96.3	0.03550	307.493	97.98	96.00	94.05	92.15	90.29	88.46	86.67	84.92
96.5	0.03554	307.174	97.98	95.99	94.05	92.14	90.28	88.45	86.66	84.90
96.7	0.03557	306.857	97.97	95.99	94.04	92.14	90.27	88.44	86.65	84.89
96.9	0.03561	306.540	97.97	95.98	94.04	92.13	90.26	88.43	86.63	84.87
97.1	0.03565	306.224	97.97	95.98	94.03	92.12	90.25	88.42	86.62	84.86
97.3	0.03568	305.909	97.97	95.98	94.02	92.11	90.24	88.40	86.61	84.85
97.5	0.03572	305.595	97.96	95.97	94.02	92.10	90.23	88.39	86.59	84.83
97.7	0.03576	305.282	97.96	95.97	94.01	92.10	90.22	88.38	86.58	84.82
97.9	0.03579	304.970	97.96	95.96	94.01	92.09	90.21	88.37	86.57	84.80

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98.1	0.03583	304.659	97.96	95.96	94.00	92.08	90.20	88.36	86.56	84.79
98.3	0.03587	304.349	97.96	95.95	93.99	92.07	90.19	88.35	86.54	84.77
98.5	0.03590	304.040	97.95	95.95	93.99	92.07	90.18	88.34	86.53	84.76
98.7	0.03594	303.732	97.95	95.95	93.98	92.06	90.17	88.33	86.52	84.75
98.9	0.03598	303.424	97.95	95.94	93.98	92.05	90.16	88.32	86.51	84.73
99.1	0.03601	303.118	97.95	95.94	93.97	92.04	90.15	88.30	86.49	84.72
99.3	0.03605	302.813	97.95	95.93	93.96	92.03	90.14	88.29	86.48	84.70
99.5	0.03608	302.508	97.94	95.93	93.96	92.03	90.14	88.28	86.47	84.69
99.7	0.03612	302.205	97.94	95.93	93.95	92.02	90.13	88.27	86.45	84.68
99.9	0.03616	301.902	97.94	95.92	93.95	92.01	90.12	88.26	86.44	84.66
100.1	0.03619	301.600	97.94	95.92	93.94	92.00	90.11	88.25	86.43	84.65
100.3	0.03623	301.299	97.94	95.91	93.94	92.00	90.10	88.24	86.42	84.63
100.5	0.03627	300.999	97.93	95.91	93.93	91.99	90.09	88.23	86.40	84.62
100.7	0.03630	300.700	97.93	95.91	93.92	91.98	90.08	88.22	86.39	84.61
100.9	0.03634	300.402	97.93	95.90	93.92	91.97	90.07	88.21	86.38	84.59
101.1	0.03637	300.105	97.93	95.90	93.91	91.97	90.06	88.19	86.37	84.58
101.3	0.03641	299.808	97.93	95.89	93.91	91.96	90.05	88.18	86.35	84.56
101.5	0.03645	299.513	97.92	95.89	93.90	91.95	90.04	88.17	86.34	84.55
101.7	0.03648	299.218	97.92	95.89	93.89	91.94	90.03	88.16	86.33	84.54
101.9	0.03652	298.925	97.92	95.88	93.89	91.94	90.02	88.15	86.32	84.52
102.1	0.03655	298.632	97.92	95.88	93.88	91.93	90.01	88.14	86.30	84.51
102.3	0.03659	298.340	97.92	95.88	93.88	91.92	90.00	88.13	86.29	84.49
102.5	0.03662	298.048	97.91	95.87	93.87	91.91	90.00	88.12	86.28	84.48
102.7	0.03666	297.758	97.91	95.87	93.87	91.91	89.99	88.11	86.27	84.47
102.9	0.03670	297.468	97.91	95.86	93.86	91.90	89.98	88.10	86.25	84.45
103.1	0.03673	297.180	97.91	95.86	93.85	91.89	89.97	88.09	86.24	84.44
103.3	0.03677	296.892	97.91	95.86	93.85	91.88	89.96	88.07	86.23	84.42
103.5	0.03680	296.605	97.90	95.85	93.84	91.87	89.95	88.06	86.22	84.41
103.7	0.03684	296.319	97.90	95.85	93.84	91.87	89.94	88.05	86.21	84.40
103.9	0.03687	296.033	97.90	95.84	93.83	91.86	89.93	88.04	86.19	84.38
104.1	0.03691	295.749	97.90	95.84	93.82	91.85	89.92	88.03	86.18	84.37
104.3	0.03694	295.465	97.90	95.84	93.82	91.84	89.91	88.02	86.17	84.35
104.5	0.03698	295.182	97.89	95.83	93.81	91.84	89.90	88.01	86.16	84.34
104.7	0.03702	294.900	97.89	95.83	93.81	91.83	89.89	88.00	86.14	84.33
104.9	0.03705	294.619	97.89	95.82	93.80	91.82	89.88	87.99	86.13	84.31
105.1	0.03709	294.339	97.89	95.82	93.80	91.82	89.88	87.98	86.12	84.30
105.3	0.03712	294.059	97.89	95.82	93.79	91.81	89.87	87.97	86.11	84.29
105.5	0.03716	293.780	97.88	95.81	93.78	91.80	89.86	87.96	86.09	84.27
105.7	0.03719	293.502	97.88	95.81	93.78	91.79	89.85	87.95	86.08	84.26
105.9	0.03723	293.225	97.88	95.80	93.77	91.79	89.84	87.93	86.07	84.25
106.1	0.03726	292.948	97.88	95.80	93.77	91.78	89.83	87.92	86.06	84.23
106.3	0.03730	292.673	97.88	95.80	93.76	91.77	89.82	87.91	86.05	84.22
106.5	0.03733	292.398	97.87	95.79	93.76	91.76	89.81	87.90	86.03	84.20
106.7	0.03737	292.123	97.87	95.79	93.75	91.76	89.80	87.89	86.02	84.19
106.9	0.03740	291.850	97.87	95.79	93.74	91.75	89.79	87.88	86.01	84.18
107.1	0.0374	291.577	97.87	95.78	93.74	91.74	89.78	87.87	86.00	84.16
107.3	0.0375	291.306	97.87	95.78	93.73	91.73	89.78	87.86	85.99	84.15
107.5	0.0375	291.034	97.86	95.77	93.73	91.73	89.77	87.85	85.97	84.14
107.7	0.0375	290.764	97.86	95.77	93.72	91.72	89.76	87.84	85.96	84.12
107.9	0.0376	290.494	97.86	95.77	93.72	91.71	89.75	87.83	85.95	84.11

Standard Conditions:

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