



7/8" 50 Ohm Rigid Coaxial Transmission Line, FM Ratings and Efficiency in Percent

Freq. MHz	ATTEN. in dB/100 ft	Average Power (Kilowatts)	25 ft	50 ft	75 ft	100 ft	125 ft	150 ft	200 ft	300 ft
88.1	0.3466	4.705	98.02	96.09	94.19	92.33	90.51	88.72	85.25	78.71
88.3	0.3470	4.700	98.02	96.08	94.18	92.32	90.50	88.71	85.23	78.69
88.5	0.3474	4.694	98.02	96.08	94.18	92.31	90.49	88.69	85.22	78.67
88.7	0.3477	4.689	98.02	96.08	94.17	92.31	90.48	88.68	85.20	78.65
88.9	0.3481	4.684	98.02	96.07	94.17	92.30	90.47	88.67	85.19	78.62
89.1	0.3485	4.679	98.01	96.07	94.16	92.29	90.46	88.66	85.17	78.60
89.3	0.3489	4.673	98.01	96.06	94.15	92.28	90.45	88.65	85.16	78.58
89.5	0.3493	4.668	98.01	96.06	94.15	92.27	90.43	88.63	85.14	78.56
89.7	0.3497	4.663	98.01	96.05	94.14	92.26	90.42	88.62	85.13	78.54
89.9	0.3501	4.658	98.00	96.05	94.13	92.26	90.41	88.61	85.11	78.52
90.1	0.3505	4.653	98.00	96.05	94.13	92.25	90.40	88.60	85.10	78.50
90.3	0.3509	4.647	98.00	96.04	94.12	92.24	90.39	88.59	85.08	78.48
90.5	0.3513	4.642	98.00	96.04	94.11	92.23	90.38	88.58	85.06	78.46
90.7	0.3516	4.637	98.00	96.03	94.11	92.22	90.37	88.56	85.05	78.43
90.9	0.3520	4.632	97.99	96.03	94.10	92.21	90.36	88.55	85.03	78.41
91.1	0.3524	4.627	97.99	96.02	94.10	92.21	90.35	88.54	85.02	78.39
91.3	0.3528	4.622	97.99	96.02	94.09	92.20	90.34	88.53	85.00	78.37
91.5	0.3532	4.617	97.99	96.02	94.08	92.19	90.33	88.52	84.99	78.35
91.7	0.3536	4.612	97.99	96.01	94.08	92.18	90.32	88.50	84.97	78.33
91.9	0.3540	4.607	97.98	96.01	94.07	92.17	90.31	88.49	84.96	78.31
92.1	0.3543	4.602	97.98	96.00	94.06	92.16	90.30	88.48	84.94	78.29
92.3	0.3547	4.597	97.98	96.00	94.06	92.16	90.29	88.47	84.93	78.27
92.5	0.3551	4.592	97.98	95.99	94.05	92.15	90.28	88.46	84.91	78.25
92.7	0.3555	4.587	97.97	95.99	94.05	92.14	90.27	88.45	84.90	78.23
92.9	0.3559	4.582	97.97	95.99	94.04	92.13	90.26	88.43	84.88	78.21
93.1	0.3563	4.577	97.97	95.98	94.03	92.12	90.25	88.42	84.87	78.18
93.3	0.3566	4.572	97.97	95.98	94.03	92.12	90.24	88.41	84.85	78.16
93.5	0.3570	4.567	97.97	95.97	94.02	92.11	90.23	88.40	84.84	78.14
93.7	0.3574	4.562	97.96	95.97	94.01	92.10	90.22	88.39	84.82	78.12
93.9	0.3578	4.558	97.96	95.96	94.01	92.09	90.21	88.38	84.81	78.10
94.1	0.3582	4.553	97.96	95.96	94.00	92.08	90.20	88.36	84.79	78.08
94.3	0.3586	4.548	97.96	95.96	94.00	92.08	90.19	88.35	84.78	78.06
94.5	0.3589	4.543	97.96	95.95	93.99	92.07	90.18	88.34	84.76	78.04
94.7	0.3593	4.538	97.95	95.95	93.98	92.06	90.17	88.33	84.75	78.02
94.9	0.3597	4.533	97.95	95.94	93.98	92.05	90.17	88.32	84.73	78.00
95.1	0.3601	4.529	97.95	95.94	93.97	92.04	90.16	88.31	84.72	77.98
95.3	0.3605	4.524	97.95	95.94	93.97	92.04	90.15	88.29	84.71	77.96
95.5	0.3608	4.519	97.94	95.93	93.96	92.03	90.14	88.28	84.69	77.94
95.7	0.3612	4.514	97.94	95.93	93.95	92.02	90.13	88.27	84.68	77.92
95.9	0.3616	4.510	97.94	95.92	93.95	92.01	90.12	88.26	84.66	77.90
96.1	0.3620	4.505	97.94	95.92	93.94	92.00	90.11	88.25	84.65	77.88
96.3	0.3623	4.500	97.94	95.91	93.93	92.00	90.10	88.24	84.63	77.86
96.5	0.3627	4.496	97.93	95.91	93.93	91.99	90.09	88.23	84.62	77.84
96.7	0.3631	4.491	97.93	95.91	93.92	91.98	90.08	88.21	84.60	77.82
96.9	0.3635	4.486	97.93	95.90	93.92	91.97	90.07	88.20	84.59	77.80
97.1	0.3638	4.482	97.93	95.90	93.91	91.96	90.06	88.19	84.57	77.78
97.3	0.3642	4.477	97.93	95.89	93.90	91.96	90.05	88.18	84.56	77.76
97.5	0.3646	4.473	97.92	95.89	93.90	91.95	90.04	88.17	84.54	77.74
97.7	0.3650	4.468	97.92	95.89	93.89	91.94	90.03	88.16	84.53	77.72
97.9	0.3653	4.463	97.92	95.88	93.89	91.93	90.02	88.15	84.51	77.70

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



7/8" 50 Ohm Rigid Coaxial Transmission Line, FM Ratings and Efficiency in Percent

Freq. MHz	ATTEN. in dB/100 ft	Average Power (Kilowatts)	25 ft	50 ft	75 ft	100 ft	125 ft	150 ft	200 ft	300 ft
98.1	0.3657	4.459	97.92	95.88	93.88	91.92	90.01	88.13	84.50	77.68
98.3	0.3661	4.454	97.91	95.87	93.87	91.92	90.00	88.12	84.49	77.66
98.5	0.3665	4.450	97.91	95.87	93.87	91.91	89.99	88.11	84.47	77.64
98.7	0.3668	4.445	97.91	95.86	93.86	91.90	89.98	88.10	84.46	77.62
98.9	0.3672	4.441	97.91	95.86	93.86	91.89	89.97	88.09	84.44	77.60
99.1	0.3676	4.436	97.91	95.86	93.85	91.88	89.96	88.08	84.43	77.58
99.3	0.3679	4.432	97.90	95.85	93.84	91.88	89.95	88.07	84.41	77.56
99.5	0.3683	4.427	97.90	95.85	93.84	91.87	89.94	88.05	84.40	77.54
99.7	0.3687	4.423	97.90	95.84	93.83	91.86	89.93	88.04	84.38	77.52
99.9	0.3690	4.419	97.90	95.84	93.83	91.85	89.92	88.03	84.37	77.50
100.1	0.3694	4.414	97.90	95.84	93.82	91.85	89.91	88.02	84.36	77.48
100.3	0.3698	4.410	97.89	95.83	93.81	91.84	89.90	88.01	84.34	77.46
100.5	0.3702	4.405	97.89	95.83	93.81	91.83	89.89	88.00	84.33	77.44
100.7	0.3705	4.401	97.89	95.82	93.80	91.82	89.88	87.99	84.31	77.42
100.9	0.3709	4.397	97.89	95.82	93.80	91.81	89.87	87.98	84.30	77.40
101.1	0.3713	4.392	97.89	95.82	93.79	91.81	89.87	87.97	84.28	77.38
101.3	0.3716	4.388	97.88	95.81	93.78	91.80	89.86	87.95	84.27	77.36
101.5	0.3720	4.384	97.88	95.81	93.78	91.79	89.85	87.94	84.26	77.34
101.7	0.3724	4.379	97.88	95.80	93.77	91.78	89.84	87.93	84.24	77.32
101.9	0.3727	4.375	97.88	95.80	93.77	91.78	89.83	87.92	84.23	77.30
102.1	0.3731	4.371	97.88	95.80	93.76	91.77	89.82	87.91	84.21	77.28
102.3	0.3735	4.366	97.87	95.79	93.75	91.76	89.81	87.90	84.20	77.26
102.5	0.3738	4.362	97.87	95.79	93.75	91.75	89.80	87.89	84.19	77.24
102.7	0.3742	4.358	97.87	95.78	93.74	91.74	89.79	87.88	84.17	77.22
102.9	0.3745	4.354	97.87	95.78	93.74	91.74	89.78	87.87	84.16	77.20
103.1	0.3749	4.349	97.86	95.78	93.73	91.73	89.77	87.85	84.14	77.18
103.3	0.3753	4.345	97.86	95.77	93.72	91.72	89.76	87.84	84.13	77.16
103.5	0.3756	4.341	97.86	95.77	93.72	91.71	89.75	87.83	84.11	77.15
103.7	0.3760	4.337	97.86	95.76	93.71	91.71	89.74	87.82	84.10	77.13
103.9	0.3764	4.333	97.86	95.76	93.71	91.70	89.73	87.81	84.09	77.11
104.1	0.3767	4.328	97.85	95.76	93.70	91.69	89.72	87.80	84.07	77.09
104.3	0.3771	4.324	97.85	95.75	93.70	91.68	89.71	87.79	84.06	77.07
104.5	0.3774	4.320	97.85	95.75	93.69	91.68	89.71	87.78	84.04	77.05
104.7	0.3778	4.316	97.85	95.74	93.68	91.67	89.70	87.77	84.03	77.03
104.9	0.3782	4.312	97.85	95.74	93.68	91.66	89.69	87.76	84.02	77.01
105.1	0.3785	4.308	97.84	95.74	93.67	91.65	89.68	87.74	84.00	76.99
105.3	0.3789	4.304	97.84	95.73	93.67	91.65	89.67	87.73	83.99	76.97
105.5	0.3793	4.300	97.84	95.73	93.66	91.64	89.66	87.72	83.97	76.95
105.7	0.3796	4.296	97.84	95.72	93.65	91.63	89.65	87.71	83.96	76.93
105.9	0.3800	4.292	97.84	95.72	93.65	91.62	89.64	87.70	83.95	76.91
106.1	0.3803	4.287	97.83	95.72	93.64	91.62	89.63	87.69	83.93	76.90
106.3	0.3807	4.283	97.83	95.71	93.64	91.61	89.62	87.68	83.92	76.88
106.5	0.3810	4.279	97.83	95.71	93.63	91.60	89.61	87.67	83.91	76.86
106.7	0.3814	4.275	97.83	95.70	93.63	91.59	89.60	87.66	83.89	76.84
106.9	0.3818	4.271	97.83	95.70	93.62	91.58	89.59	87.65	83.88	76.82
107.1	0.3821	4.267	97.82	95.70	93.61	91.58	89.59	87.64	83.86	76.80
107.3	0.3825	4.263	97.82	95.69	93.61	91.57	89.58	87.63	83.85	76.78
107.5	0.3828	4.259	97.82	95.69	93.60	91.56	89.57	87.61	83.84	76.76
107.7	0.3832	4.256	97.82	95.68	93.60	91.55	89.56	87.60	83.82	76.74
107.9	0.3835	4.252	97.82	95.68	93.59	91.55	89.55	87.59	83.81	76.73

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