

1 5/8" 50 Ohm Rigid Coaxial Transmission Line, FM Ratings and Efficiency in Percent

Freq. MHz	ATTEN. in dB/100 ft	Average Power (Kilowatts)	250 ft	300 ft	350 ft	400 ft	450 ft	500 ft	550 ft	600 ft
88.1	0.1783	15.927	90.25	88.41	86.62	84.86	83.14	81.45	79.79	78.17
88.3	0.1785	15.909	90.24	88.40	86.60	84.84	83.12	81.43	79.77	78.15
88.5	0.1787	15.891	90.23	88.39	86.59	84.83	83.10	81.41	79.75	78.13
88.7	0.1789	15.873	90.22	88.38	86.58	84.81	83.08	81.39	79.73	78.11
88.9	0.1791	15.855	90.21	88.37	86.56	84.80	83.07	81.37	79.71	78.08
89.1	0.1793	15.838	90.20	88.35	86.55	84.78	83.05	81.35	79.69	78.06
89.3	0.1795	15.820	90.18	88.34	86.53	84.76	83.03	81.33	79.67	78.04
89.5	0.1797	15.802	90.17	88.33	86.52	84.75	83.01	81.31	79.65	78.02
89.7	0.1799	15.785	90.16	88.32	86.51	84.73	83.00	81.30	79.63	78.00
89.9	0.1801	15.767	90.15	88.30	86.49	84.72	82.98	81.28	79.61	77.98
90.1	0.1803	15.749	90.14	88.29	86.48	84.70	82.96	81.26	79.59	77.95
90.3	0.1805	15.732	90.13	88.28	86.46	84.69	82.94	81.24	79.57	77.93
90.5	0.1807	15.715	90.12	88.27	86.45	84.67	82.93	81.22	79.55	77.91
90.7	0.1809	15.697	90.11	88.26	86.44	84.66	82.91	81.20	79.53	77.89
90.9	0.1811	15.680	90.10	88.24	86.42	84.64	82.89	81.18	79.51	77.87
91.1	0.1813	15.663	90.09	88.23	86.41	84.62	82.88	81.16	79.49	77.85
91.3	0.1815	15.646	90.08	88.22	86.39	84.61	82.86	81.15	79.47	77.83
91.5	0.1817	15.629	90.07	88.21	86.38	84.59	82.84	81.13	79.45	77.81
91.7	0.1819	15.611	90.06	88.19	86.37	84.58	82.83	81.11	79.43	77.78
91.9	0.1821	15.594	90.05	88.18	86.35	84.56	82.81	81.09	79.41	77.76
92.1	0.1823	15.578	90.04	88.17	86.34	84.55	82.79	81.07	79.39	77.74
92.3	0.1825	15.561	90.03	88.16	86.33	84.53	82.77	81.05	79.37	77.72
92.5	0.1827	15.544	90.02	88.15	86.31	84.52	82.76	81.04	79.35	77.70
92.7	0.1828	15.527	90.01	88.13	86.30	84.50	82.74	81.02	79.33	77.68
92.9	0.1830	15.510	90.00	88.12	86.28	84.49	82.72	81.00	79.31	77.66
93.1	0.1832	15.494	89.99	88.11	86.27	84.47	82.71	80.98	79.29	77.63
93.3	0.1834	15.477	89.98	88.10	86.26	84.45	82.69	80.96	79.27	77.61
93.5	0.1836	15.460	89.97	88.09	86.24	84.44	82.67	80.94	79.25	77.59
93.7	0.1838	15.444	89.96	88.07	86.23	84.42	82.66	80.93	79.23	77.57
93.9	0.1840	15.428	89.95	88.06	86.22	84.41	82.64	80.91	79.21	77.55
94.1	0.1842	15.411	89.94	88.05	86.20	84.39	82.62	80.89	79.19	77.53
94.3	0.1844	15.395	89.93	88.04	86.19	84.38	82.61	80.87	79.17	77.51
94.5	0.1846	15.378	89.92	88.03	86.18	84.36	82.59	80.85	79.15	77.49
94.7	0.1848	15.362	89.91	88.01	86.16	84.35	82.57	80.83	79.13	77.47
94.9	0.1850	15.346	89.90	88.00	86.15	84.33	82.56	80.82	79.11	77.45
95.1	0.1852	15.330	89.89	87.99	86.13	84.32	82.54	80.80	79.09	77.42
95.3	0.1854	15.314	89.88	87.98	86.12	84.30	82.52	80.78	79.07	77.40
95.5	0.1856	15.298	89.87	87.97	86.11	84.29	82.51	80.76	79.05	77.38
95.7	0.1858	15.282	89.86	87.96	86.09	84.27	82.49	80.74	79.03	77.36
95.9	0.1860	15.266	89.85	87.94	86.08	84.26	82.47	80.73	79.02	77.34
96.1	0.1862	15.250	89.84	87.93	86.07	84.24	82.46	80.71	79.00	77.32
96.3	0.1864	15.234	89.83	87.92	86.05	84.23	82.44	80.69	78.98	77.30
96.5	0.1866	15.218	89.82	87.91	86.04	84.21	82.42	80.67	78.96	77.28
96.7	0.1868	15.203	89.81	87.90	86.03	84.20	82.41	80.65	78.94	77.26
96.9	0.1869	15.187	89.80	87.89	86.01	84.18	82.39	80.64	78.92	77.24
97.1	0.1871	15.171	89.79	87.87	86.00	84.17	82.37	80.62	78.90	77.22
97.3	0.1873	15.156	89.78	87.86	85.99	84.15	82.36	80.60	78.88	77.20
97.5	0.1875	15.140	89.77	87.85	85.97	84.14	82.34	80.58	78.86	77.18
97.7	0.1877	15.125	89.76	87.84	85.96	84.12	82.32	80.56	78.84	77.16
97.9	0.1879	15.109	89.75	87.83	85.95	84.11	82.31	80.55	78.82	77.14

Freq. MHz	ATTEN. in dB/100 ft	Average Power (Kilowatts)	250 ft	300 ft	350 ft	400 ft	450 ft	500 ft	550 ft	600 ft
98.1	0.1881	15.094	89.74	87.82	85.93	84.09	82.29	80.53	78.80	77.12
98.3	0.1883	15.078	89.73	87.80	85.92	84.08	82.28	80.51	78.78	77.09
98.5	0.1885	15.063	89.72	87.79	85.91	84.06	82.26	80.49	78.77	77.07
98.7	0.1887	15.048	89.71	87.78	85.89	84.05	82.24	80.48	78.75	77.05
98.9	0.1889	15.032	89.70	87.77	85.88	84.03	82.23	80.46	78.73	77.03
99.1	0.1891	15.017	89.69	87.76	85.87	84.02	82.21	80.44	78.71	77.01
99.3	0.1892	15.002	89.68	87.75	85.85	84.00	82.19	80.42	78.69	76.99
99.5	0.1894	14.987	89.67	87.73	85.84	83.99	82.18	80.40	78.67	76.97
99.7	0.1896	14.972	89.66	87.72	85.83	83.97	82.16	80.39	78.65	76.95
99.9	0.1898	14.957	89.65	87.71	85.82	83.96	82.15	80.37	78.63	76.93
100.1	0.1900	14.942	89.64	87.70	85.80	83.95	82.13	80.35	78.61	76.91
100.3	0.1902	14.927	89.63	87.69	85.79	83.93	82.11	80.33	78.59	76.89
100.5	0.1904	14.912	89.62	87.68	85.78	83.92	82.10	80.32	78.58	76.87
100.7	0.1906	14.898	89.61	87.67	85.76	83.90	82.08	80.30	78.56	76.85
100.9	0.1908	14.883	89.60	87.65	85.75	83.89	82.06	80.28	78.54	76.83
101.1	0.1910	14.868	89.59	87.64	85.74	83.87	82.05	80.26	78.52	76.81
101.3	0.1911	14.853	89.58	87.63	85.72	83.86	82.03	80.25	78.50	76.79
101.5	0.1913	14.839	89.57	87.62	85.71	83.84	82.02	80.23	78.48	76.77
101.7	0.1915	14.824	89.56	87.61	85.70	83.83	82.00	80.21	78.46	76.75
101.9	0.1917	14.810	89.55	87.60	85.68	83.81	81.98	80.19	78.44	76.73
102.1	0.1919	14.795	89.54	87.59	85.67	83.80	81.97	80.18	78.43	76.71
102.3	0.1921	14.781	89.53	87.57	85.66	83.79	81.95	80.16	78.41	76.69
102.5	0.1923	14.766	89.52	87.56	85.65	83.77	81.94	80.14	78.39	76.67
102.7	0.1925	14.752	89.51	87.55	85.63	83.76	81.92	80.13	78.37	76.65
102.9	0.1926	14.737	89.50	87.54	85.62	83.74	81.90	80.11	78.35	76.63
103.1	0.1928	14.723	89.49	87.53	85.61	83.73	81.89	80.09	78.33	76.61
103.3	0.1930	14.709	89.48	87.52	85.59	83.71	81.87	80.07	78.31	76.59
103.5	0.1932	14.695	89.47	87.51	85.58	83.70	81.86	80.06	78.30	76.57
103.7	0.1934	14.680	89.46	87.49	85.57	83.68	81.84	80.04	78.28	76.55
103.9	0.1936	14.666	89.46	87.48	85.56	83.67	81.83	80.02	78.26	76.53
104.1	0.1938	14.652	89.45	87.47	85.54	83.66	81.81	80.00	78.24	76.51
104.3	0.1940	14.638	89.44	87.46	85.53	83.64	81.79	79.99	78.22	76.49
104.5	0.1941	14.624	89.43	87.45	85.52	83.63	81.78	79.97	78.20	76.47
104.7	0.1943	14.610	89.42	87.44	85.50	83.61	81.76	79.95	78.18	76.45
104.9	0.1945	14.596	89.41	87.43	85.49	83.60	81.75	79.94	78.17	76.44
105.1	0.1947	14.582	89.40	87.42	85.48	83.58	81.73	79.92	78.15	76.42
105.3	0.1949	14.568	89.39	87.40	85.47	83.57	81.72	79.90	78.13	76.40
105.5	0.1951	14.555	89.38	87.39	85.45	83.56	81.70	79.89	78.11	76.38
105.7	0.1953	14.541	89.37	87.38	85.44	83.54	81.68	79.87	78.09	76.36
105.9	0.1954	14.527	89.36	87.37	85.43	83.53	81.67	79.85	78.07	76.34
106.1	0.1956	14.513	89.35	87.36	85.41	83.51	81.65	79.83	78.06	76.32
106.3	0.1958	14.500	89.34	87.35	85.40	83.50	81.64	79.82	78.04	76.30
106.5	0.1960	14.486	89.33	87.34	85.39	83.48	81.62	79.80	78.02	76.28
106.7	0.1962	14.473	89.32	87.33	85.38	83.47	81.61	79.78	78.00	76.26
106.9	0.1964	14.459	89.31	87.32	85.36	83.46	81.59	79.77	77.98	76.24
107.1	0.1965	14.446	89.30	87.30	85.35	83.44	81.58	79.75	77.97	76.22
107.3	0.1967	14.432	89.29	87.29	85.34	83.43	81.56	79.73	77.95	76.20
107.5	0.1969	14.419	89.28	87.28	85.33	83.41	81.54	79.72	77.93	76.18
107.7	0.1971	14.405	89.27	87.27	85.31	83.40	81.53	79.70	77.91	76.16
107.9	0.1973	14.392	89.27	87.26	85.30	83.39	81.51	79.68	77.89	76.14

Standard Conditions:

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

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