

RVR USA Broadcast Equipment

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

CH #	Freq. MHz	ATTEN. in dB/100 ft.	Average Power (Kilowatts)	25 ft	50 ft	75 ft	100 ft	125 ft	150 ft	175 ft	200 ft
2	54	0.271	6.010	98.45	96.92	95.42	93.94	92.49	91.05	89.64	88.25
3	60	0.286	5.701	98.37	96.76	95.18	93.63	92.10	90.59	89.11	87.66
4	66	0.300	5.436	98.29	96.61	94.95	93.33	91.73	90.16	88.61	87.10
5	76	0.322	5.066	98.16	96.36	94.59	92.86	91.15	89.48	87.84	86.22
6	82	0.334	4.877	98.09	96.22	94.39	92.59	90.83	89.09	87.40	85.73
7	174	0.487	3.348	97.24	94.55	91.93	89.39	86.92	84.52	82.18	79.91
8	180	0.495	3.292	97.19	94.46	91.80	89.22	86.71	84.27	81.90	79.60
9	186	0.504	3.238	97.14	94.37	91.67	89.05	86.51	84.04	81.63	79.30
10	192	0.512	3.187	97.10	94.28	91.54	88.89	86.31	83.80	81.37	79.01
11	198	0.520	3.139	97.05	94.19	91.42	88.72	86.11	83.57	81.11	78.72
12	204	0.527	3.092	97.01	94.11	91.30	88.57	85.92	83.35	80.86	78.44
13	210	0.535	3.048	96.97	94.03	91.17	88.41	85.73	83.13	80.61	78.16
14	470	0.800	2.037	95.50	91.20	87.09	83.17	79.42	75.85	72.43	69.17
15	476	0.806	2.024	95.47	91.14	87.01	83.07	79.31	75.71	72.28	69.01
16	482	0.811	2.012	95.44	91.09	86.94	82.97	79.19	75.58	72.13	68.85
17	488	0.816	1.999	95.41	91.04	86.86	82.88	79.08	75.45	71.99	68.69
18	494	0.821	1.987	95.39	90.98	86.79	82.78	78.96	75.32	71.84	68.53
19	500	0.826	1.975	95.36	90.93	86.71	82.69	78.85	75.19	71.70	68.37
20	506	0.831	1.963	95.33	90.88	86.64	82.59	78.74	75.06	71.56	68.22
21	512	0.835	1.952	95.30	90.83	86.56	82.50	78.63	74.93	71.42	68.06
22	518	0.840	1.940	95.28	90.78	86.49	82.41	78.52	74.81	71.28	67.91
23	524	0.845	1.929	95.25	90.73	86.42	82.31	78.41	74.68	71.14	67.76
24	530	0.850	1.918	95.22	90.68	86.35	82.22	78.30	74.56	71.00	67.61
25	536	0.855	1.908	95.20	90.63	86.28	82.13	78.19	74.43	70.86	67.46
26	542	0.860	1.897	95.17	90.58	86.20	82.04	78.08	74.31	70.72	67.31
27	548	0.864	1.887	95.15	90.53	86.13	81.95	77.98	74.19	70.59	67.16
28	554	0.869	1.876	95.12	90.48	86.06	81.86	77.87	74.07	70.46	67.02
29	560	0.874	1.866	95.09	90.43	85.99	81.78	77.76	73.95	70.32	66.87
30	566	0.878	1.856	95.07	90.38	85.92	81.69	77.66	73.83	70.19	66.73
31	572	0.883	1.847	95.04	90.33	85.86	81.60	77.56	73.71	70.06	66.59
32	578	0.888	1.837	95.02	90.28	85.79	81.51	77.45	73.59	69.93	66.44
33	584	0.892	1.827	94.99	90.24	85.72	81.43	77.35	73.48	69.80	66.30
34	590	0.897	1.818	94.97	90.19	85.65	81.34	77.25	73.36	69.67	66.16
35	596	0.901	1.809	94.94	90.14	85.58	81.26	77.15	73.25	69.54	66.03

CH #	Freq. MHz	ATTEN. in dB/100 ft.	Average Power (Kilowatts)	25 ft	50 ft	75 ft	100 ft	125 ft	150 ft	175 ft	200 ft
36	602	0.906	1.800	94.92	90.10	85.52	81.17	77.05	73.13	69.42	65.89
37	608	0.910	1.791	94.89	90.05	85.45	81.09	76.95	73.02	69.29	65.75
38	614	0.915	1.782	94.87	90.00	85.38	81.00	76.85	72.91	69.17	65.62
39	620	0.919	1.774	94.85	89.96	85.32	80.92	76.75	72.79	69.04	65.48
40	626	0.924	1.765	94.82	89.91	85.25	80.84	76.65	72.68	68.92	65.35
41	632	0.928	1.757	94.80	89.86	85.19	80.76	76.55	72.57	68.80	65.22
42	638	0.933	1.748	94.77	89.82	85.12	80.67	76.46	72.46	68.67	65.08
43	644	0.937	1.740	94.75	89.77	85.06	80.59	76.36	72.35	68.55	64.95
44	650	0.941	1.732	94.73	89.73	85.00	80.51	76.27	72.24	68.43	64.82
45	656	0.946	1.724	94.70	89.68	84.93	80.43	76.17	72.13	68.31	64.69
46	662	0.950	1.716	94.68	89.64	84.87	80.35	76.08	72.03	68.19	64.57
47	668	0.954	1.709	94.65	89.60	84.81	80.27	75.98	71.92	68.08	64.44
48	674	0.959	1.701	94.63	89.55	84.74	80.19	75.89	71.81	67.96	64.31
49	680	0.963	1.694	94.61	89.51	84.68	80.12	75.80	71.71	67.84	64.18
50	686	0.967	1.686	94.59	89.46	84.62	80.04	75.70	71.60	67.73	64.06
51	692	0.971	1.679	94.56	89.42	84.56	79.96	75.61	71.50	67.61	63.94
52	698	0.976	1.672	94.54	89.38	84.50	79.88	75.52	71.40	67.50	63.81
53	704	0.980	1.664	94.52	89.33	84.44	79.81	75.43	71.29	67.38	63.69
54	710	0.984	1.657	94.49	89.29	84.37	79.73	75.34	71.19	67.27	63.57
55	716	0.988	1.650	94.47	89.25	84.31	79.65	75.25	71.09	67.16	63.45
56	722	0.992	1.644	94.45	89.21	84.25	79.58	75.16	70.99	67.05	63.32
57	728	0.996	1.637	94.43	89.16	84.19	79.50	75.07	70.89	66.94	63.20
58	734	1.000	1.630	94.40	89.12	84.13	79.43	74.98	70.79	66.83	63.09
59	740	1.004	1.623	94.38	89.08	84.08	79.35	74.89	70.69	66.72	62.97
60	746	1.008	1.617	94.36	89.04	84.02	79.28	74.81	70.59	66.61	62.85
61	752	1.013	1.610	94.34	89.00	83.96	79.20	74.72	70.49	66.50	62.73
62	758	1.017	1.604	94.32	88.96	83.90	79.13	74.63	70.39	66.39	62.62
63	764	1.021	1.598	94.29	88.91	83.84	79.06	74.55	70.29	66.28	62.50
64	770	1.025	1.592	94.27	88.87	83.78	78.98	74.46	70.20	66.18	62.39
65	776	1.029	1.585	94.25	88.83	83.73	78.91	74.38	70.10	66.07	62.27
66	782	1.033	1.579	94.23	88.79	83.67	78.84	74.29	70.00	65.96	62.16
67	788	1.036	1.573	94.21	88.75	83.61	78.77	74.21	69.91	65.86	62.04
68	794	1.040	1.567	94.19	88.71	83.55	78.70	74.12	69.81	65.75	61.93
69	800	1.044	1.561	94.17	88.67	83.50	78.63	74.04	69.72	65.65	61.82

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

Broadcast Equipment

USA

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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

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, 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

RVR USA Broadcast Equipment

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

CH #	Freq. MHz	ATTEN. in dB/100 ft	Average Power (Kilowatts)	200 ft	300 ft	400 ft	500 ft	600 ft	700 ft	800 ft	900 ft
2	54	0.140	20.344	93.78	90.81	87.94	85.16	82.46	79.86	77.33	74.89
3	60	0.147	19.300	93.45	90.34	87.33	84.42	81.61	78.89	76.26	73.72
4	66	0.154	18.402	93.14	89.89	86.75	83.73	80.80	77.98	75.26	72.63
5	76	0.166	17.148	92.66	89.19	85.86	82.65	79.55	76.58	73.71	70.96
6	82	0.172	16.509	92.39	88.80	85.35	82.04	78.85	75.79	72.85	70.02
7	174	0.251	11.333	89.10	84.11	79.40	74.95	70.74	66.78	63.04	59.50
8	180	0.255	11.143	88.93	83.86	79.08	74.58	70.33	66.32	62.54	58.98
9	186	0.259	10.962	88.76	83.62	78.78	74.22	69.92	65.87	62.06	58.46
10	192	0.263	10.789	88.59	83.38	78.48	73.86	69.52	65.43	61.59	57.96
11	198	0.267	10.624	88.42	83.14	78.18	73.52	69.13	65.00	61.12	57.48
12	204	0.271	10.467	88.26	82.91	77.89	73.18	68.75	64.58	60.67	57.00
13	210	0.275	10.316	88.10	82.69	77.61	72.84	68.37	64.17	60.23	56.53
14	470	0.412	6.896	82.73	75.25	68.44	62.25	56.62	51.50	46.84	42.60
15	476	0.414	6.852	82.63	75.11	68.28	62.06	56.42	51.28	46.62	42.37
16	482	0.417	6.809	82.53	74.98	68.11	61.88	56.21	51.07	46.39	42.15
17	488	0.420	6.767	82.43	74.84	67.95	61.69	56.01	50.85	46.17	41.92
18	494	0.422	6.726	82.33	74.71	67.79	61.51	55.81	50.64	45.95	41.70
19	500	0.425	6.686	82.24	74.58	67.63	61.33	55.62	50.44	45.74	41.48
20	506	0.427	6.646	82.14	74.45	67.47	61.15	55.42	50.23	45.52	41.26
21	512	0.430	6.607	82.05	74.32	67.31	60.97	55.23	50.03	45.31	41.04
22	518	0.432	6.568	81.95	74.19	67.16	60.80	55.04	49.82	45.10	40.83
23	524	0.435	6.531	81.86	74.06	67.01	60.62	54.85	49.62	44.90	40.62
24	530	0.437	6.494	81.76	73.93	66.85	60.45	54.66	49.43	44.69	40.41
25	536	0.440	6.457	81.67	73.81	66.70	60.28	54.47	49.23	44.49	40.21
26	542	0.442	6.421	81.58	73.68	66.55	60.11	54.29	49.04	44.29	40.00
27	548	0.445	6.386	81.49	73.56	66.40	59.94	54.11	48.84	44.09	39.80
28	554	0.447	6.351	81.40	73.43	66.25	59.77	53.93	48.65	43.89	39.60
29	560	0.449	6.317	81.30	73.31	66.10	59.61	53.75	48.46	43.70	39.40
30	566	0.452	6.284	81.22	73.19	65.96	59.44	53.57	48.28	43.51	39.21
31	572	0.454	6.251	81.13	73.07	65.81	59.28	53.39	48.09	43.31	39.01
32	578	0.457	6.218	81.04	72.95	65.67	59.12	53.22	47.91	43.13	38.82
33	584	0.459	6.186	80.95	72.83	65.53	58.96	53.04	47.72	42.94	38.63
34	590	0.461	6.155	80.86	72.71	65.39	58.80	52.87	47.54	42.75	38.44
35	596	0.464	6.124	80.77	72.60	65.24	58.64	52.70	47.36	42.57	38.26

CH #	Freq. MHz	ATTEN. in dB/100 ft	Average Power (Kilowatts)	200 ft	300 ft	400 ft	500 ft	600 ft	700 ft	800 ft	900 ft
36	602	0.466	6.093	80.69	72.48	65.11	58.48	52.53	47.19	42.39	38.07
37	608	0.468	6.063	80.60	72.36	64.97	58.33	52.36	47.01	42.21	37.89
38	614	0.471	6.033	80.52	72.25	64.83	58.17	52.20	46.84	42.03	37.71
39	620	0.473	6.004	80.43	72.13	64.69	58.02	52.03	46.66	41.85	37.53
40	626	0.475	5.975	80.35	72.02	64.56	57.87	51.87	46.49	41.67	37.36
41	632	0.477	5.947	80.26	71.91	64.42	57.71	51.71	46.32	41.50	37.18
42	638	0.480	5.919	80.18	71.79	64.29	57.56	51.54	46.15	41.33	37.01
43	644	0.482	5.891	80.10	71.68	64.15	57.42	51.38	45.99	41.16	36.83
44	650	0.484	5.864	80.01	71.57	64.02	57.27	51.23	45.82	40.99	36.66
45	656	0.486	5.837	79.93	71.46	63.89	57.12	51.07	45.66	40.82	36.49
46	662	0.489	5.810	79.85	71.35	63.76	56.97	50.91	45.49	40.65	36.33
47	668	0.491	5.784	79.77	71.24	63.63	56.83	50.76	45.33	40.49	36.16
48	674	0.493	5.758	79.69	71.14	63.50	56.69	50.60	45.17	40.32	36.00
49	680	0.495	5.733	79.61	71.03	63.37	56.54	50.45	45.01	40.16	35.83
50	686	0.497	5.708	79.53	70.92	63.25	56.40	50.30	44.86	40.00	35.67
51	692	0.500	5.683	79.45	70.82	63.12	56.26	50.15	44.70	39.84	35.51
52	698	0.502	5.658	79.37	70.71	62.99	56.12	50.00	44.54	39.68	35.35
53	704	0.504	5.634	79.29	70.60	62.87	55.98	49.85	44.39	39.53	35.20
54	710	0.506	5.610	79.21	70.50	62.75	55.84	49.70	44.24	39.37	35.04
55	716	0.508	5.587	79.13	70.40	62.62	55.71	49.56	44.08	39.22	34.89
56	722	0.510	5.564	79.06	70.29	62.50	55.57	49.41	43.93	39.06	34.73
57	728	0.512	5.541	78.98	70.19	62.38	55.44	49.27	43.78	38.91	34.58
58	734	0.515	5.518	78.90	70.09	62.26	55.30	49.12	43.64	38.76	34.43
59	740	0.517	5.496	78.83	69.99	62.14	55.17	48.98	43.49	38.61	34.28
60	746	0.519	5.473	78.75	69.89	62.02	55.04	48.84	43.34	38.46	34.13
61	752	0.521	5.452	78.68	69.79	61.90	54.90	48.70	43.20	38.31	33.99
62	758	0.523	5.430	78.60	69.69	61.78	54.77	48.56	43.05	38.17	33.84
63	764	0.525	5.409	78.53	69.59	61.66	54.64	48.42	42.91	38.02	33.69
64	770	0.527	5.387	78.45	69.49	61.55	54.51	48.28	42.77	37.88	33.55
65	776	0.529	5.367	78.38	69.39	61.43	54.39	48.15	42.63	37.74	33.41
66	782	0.531	5.346	78.30	69.29	61.32	54.26	48.01	42.49	37.60	33.27
67	788	0.533	5.326	78.23	69.19	61.20	54.13	47.88	42.35	37.46	33.13
68	794	0.535	5.305	78.16	69.10	61.09	54.00	47.74	42.21	37.32	32.99
69	800	0.537	5.285	78.09	69.00	60.97	53.88	47.61	42.07	37.18	32.85

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

Broadcast Equipment

USA

RVR USA Broadcast Equipment

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	77.80
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

RVR USA Broadcast Equipment

3 1/8" 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	0.068	71.210	96.14	92.44	88.87	85.45	82.15	78.98	75.94	73.01
3	60	0.072	67.556	95.94	92.04	88.31	84.72	81.28	77.98	74.82	71.78
4	66	0.076	64.412	95.75	91.67	87.77	84.04	80.46	77.04	73.76	70.63
5	76	0.081	60.025	95.44	91.09	86.94	82.98	79.20	75.59	72.14	68.85
6	82	0.084	57.787	95.27	90.76	86.47	82.38	78.48	74.77	71.24	67.87
7	174	0.123	39.670	93.19	86.83	80.92	75.40	70.26	65.48	61.01	56.86
8	180	0.125	39.003	93.07	86.63	80.62	75.04	69.84	65.00	60.50	56.31
9	186	0.127	38.369	92.96	86.42	80.34	74.68	69.43	64.54	60.00	55.78
10	192	0.129	37.765	92.85	86.22	80.06	74.34	69.02	64.09	59.51	55.26
11	198	0.131	37.188	92.75	86.02	79.78	74.00	68.63	63.65	59.03	54.75
12	204	0.133	36.637	92.64	85.83	79.51	73.66	68.24	63.22	58.57	54.26
13	210	0.135	36.110	92.54	85.63	79.25	73.33	67.86	62.80	58.11	53.78
14	470	0.202	24.137	89.05	79.29	70.61	62.88	55.99	49.86	44.40	39.53
15	476	0.203	23.985	88.98	79.18	70.45	62.69	55.78	49.64	44.17	39.30
16	482	0.204	23.835	88.92	79.06	70.30	62.51	55.58	49.42	43.94	39.07
17	488	0.205	23.688	88.85	78.95	70.14	62.32	55.38	49.20	43.72	38.84
18	494	0.207	23.544	88.79	78.83	69.99	62.14	55.18	48.99	43.50	38.62
19	500	0.208	23.402	88.72	78.72	69.84	61.97	54.98	48.78	43.28	38.40
20	506	0.209	23.263	88.66	78.61	69.69	61.79	54.78	48.57	43.06	38.18
21	512	0.210	23.126	88.60	78.49	69.54	61.61	54.59	48.36	42.85	37.96
22	518	0.212	22.992	88.53	78.38	69.40	61.44	54.39	48.16	42.64	37.75
23	524	0.213	22.860	88.47	78.27	69.25	61.27	54.20	47.95	42.43	37.54
24	530	0.214	22.730	88.41	78.16	69.10	61.10	54.01	47.75	42.22	37.33
25	536	0.215	22.602	88.35	78.05	68.96	60.93	53.83	47.56	42.01	37.12
26	542	0.216	22.477	88.29	77.95	68.82	60.76	53.64	47.36	41.81	36.91
27	548	0.218	22.354	88.23	77.84	68.68	60.59	53.46	47.16	41.61	36.71
28	554	0.219	22.232	88.17	77.73	68.53	60.42	53.27	46.97	41.41	36.51
29	560	0.220	22.113	88.11	77.63	68.40	60.26	53.09	46.78	41.22	36.31
30	566	0.221	21.995	88.05	77.52	68.26	60.10	52.91	46.59	41.02	36.12
31	572	0.222	21.880	87.99	77.42	68.12	59.94	52.74	46.40	40.83	35.92
32	578	0.223	21.766	87.93	77.31	67.98	59.78	52.56	46.22	40.64	35.73
33	584	0.225	21.654	87.87	77.21	67.85	59.62	52.39	46.03	40.45	35.54
34	590	0.226	21.543	87.81	77.11	67.71	59.46	52.21	45.85	40.26	35.35
35	596	0.227	21.435	87.75	77.01	67.58	59.30	52.04	45.67	40.08	35.17

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
36	602	0.228	21.327	87.70	76.91	67.45	59.15	51.87	45.49	39.89	34.98
37	608	0.229	21.222	87.64	76.81	67.31	58.99	51.70	45.31	39.71	34.80
38	614	0.230	21.118	87.58	76.71	67.18	58.84	51.53	45.13	39.53	34.62
39	620	0.231	21.016	87.53	76.61	67.05	58.69	51.37	44.96	39.35	34.44
40	626	0.233	20.915	87.47	76.51	66.92	58.54	51.20	44.79	39.17	34.27
41	632	0.234	20.815	87.41	76.41	66.79	58.39	51.04	44.61	39.00	34.09
42	638	0.235	20.717	87.36	76.31	66.67	58.24	50.88	44.44	38.83	33.92
43	644	0.236	20.620	87.30	76.22	66.54	58.09	50.72	44.28	38.65	33.75
44	650	0.237	20.525	87.25	76.12	66.41	57.94	50.56	44.11	38.48	33.58
45	656	0.238	20.431	87.19	76.03	66.29	57.80	50.40	43.94	38.31	33.41
46	662	0.239	20.338	87.14	75.93	66.17	57.66	50.24	43.78	38.15	33.24
47	668	0.240	20.246	87.08	75.84	66.04	57.51	50.08	43.61	37.98	33.08
48	674	0.241	20.156	87.03	75.74	65.92	57.37	49.93	43.45	37.82	32.91
49	680	0.242	20.067	86.98	75.65	65.80	57.23	49.77	43.29	37.65	32.75
50	686	0.243	19.979	86.92	75.56	65.68	57.09	49.62	43.13	37.49	32.59
51	692	0.245	19.892	86.87	75.46	65.56	56.95	49.47	42.98	37.33	32.43
52	698	0.246	19.807	86.82	75.37	65.44	56.81	49.32	42.82	37.17	32.27
53	704	0.247	19.722	86.76	75.28	65.32	56.67	49.17	42.66	37.02	32.12
54	710	0.248	19.638	86.71	75.19	65.20	56.54	49.02	42.51	36.86	31.96
55	716	0.249	19.556	86.66	75.10	65.08	56.40	48.88	42.36	36.71	31.81
56	722	0.250	19.475	86.61	75.01	64.96	56.26	48.73	42.20	36.55	31.66
57	728	0.251	19.394	86.56	74.92	64.85	56.13	48.58	42.05	36.40	31.51
58	734	0.252	19.315	86.51	74.83	64.73	56.00	48.44	41.90	36.25	31.36
59	740	0.253	19.236	86.45	74.74	64.62	55.87	48.30	41.76	36.10	31.21
60	746	0.254	19.159	86.40	74.65	64.50	55.73	48.16	41.61	35.95	31.06
61	752	0.255	19.082	86.35	74.57	64.39	55.60	48.01	41.46	35.80	30.92
62	758	0.256	19.007	86.30	74.48	64.28	55.47	47.87	41.32	35.66	30.77
63	764	0.257	18.932	86.25	74.39	64.17	55.34	47.74	41.17	35.51	30.63
64	770	0.258	18.858	86.20	74.31	64.05	55.22	47.60	41.03	35.37	30.49
65	776	0.259	18.785	86.15	74.22	63.94	55.09	47.46	40.89	35.23	30.35
66	782	0.260	18.713	86.10	74.14	63.83	54.96	47.32	40.75	35.08	30.21
67	788	0.261	18.641	86.05	74.05	63.72	54.84	47.19	40.61	34.94	30.07
68	794	0.262	18.571	86.00	73.97	63.61	54.71	47.05	40.47	34.80	29.93
69	800	0.263	18.501	85.95	73.88	63.51	54.59	46.92	40.33	34.67	29.80

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

Broadcast Equipment

USA

RVR USA Broadcast Equipment

3 1/8" 50 Ohm Rigid Coaxial Transmission Line, FM Ratings and Efficiency in Percent

Freq. MHz	ATTEN. in dB/100 ft	Average Power (Kilowatts)	250 ft	500 ft	750 ft	1000 ft	1250 ft	1500 ft	1750 ft	2000 ft
88.1	0.0872	55.751	95.10	90.44	86.01	81.80	77.79	73.98	70.36	66.91
88.3	0.0873	55.687	95.10	90.43	86.00	81.78	77.77	73.96	70.33	66.88
88.5	0.0874	55.624	95.09	90.42	85.98	81.76	77.75	73.93	70.30	66.85
88.7	0.0875	55.562	95.09	90.41	85.97	81.74	77.73	73.91	70.27	66.82
88.9	0.0876	55.499	95.08	90.40	85.95	81.73	77.70	73.88	70.25	66.79
89.1	0.0877	55.437	95.07	90.39	85.94	81.71	77.68	73.86	70.22	66.76
89.3	0.0878	55.375	95.07	90.38	85.93	81.69	77.66	73.83	70.19	66.73
89.5	0.0879	55.313	95.06	90.37	85.91	81.67	77.64	73.81	70.16	66.70
89.7	0.0880	55.251	95.06	90.36	85.90	81.65	77.62	73.78	70.14	66.67
89.9	0.0881	55.190	95.05	90.35	85.88	81.63	77.59	73.76	70.11	66.64
90.1	0.0882	55.128	95.05	90.34	85.87	81.61	77.57	73.73	70.08	66.61
90.3	0.0883	55.067	95.04	90.33	85.85	81.60	77.55	73.71	70.05	66.58
90.5	0.0884	55.006	95.04	90.32	85.84	81.58	77.53	73.68	70.02	66.55
90.7	0.0885	54.946	95.03	90.31	85.82	81.56	77.51	73.66	70.00	66.52
90.9	0.0886	54.885	95.03	90.30	85.81	81.54	77.49	73.63	69.97	66.49
91.1	0.0887	54.825	95.02	90.29	85.79	81.52	77.46	73.61	69.94	66.46
91.3	0.0888	54.765	95.02	90.28	85.78	81.50	77.44	73.58	69.91	66.43
91.5	0.0889	54.705	95.01	90.27	85.77	81.49	77.42	73.56	69.89	66.40
91.7	0.0890	54.645	95.01	90.26	85.75	81.47	77.40	73.53	69.86	66.37
91.9	0.0891	54.586	95.00	90.25	85.74	81.45	77.38	73.51	69.83	66.34
92.1	0.0892	54.527	94.99	90.24	85.72	81.43	77.36	73.48	69.81	66.31
92.3	0.0893	54.467	94.99	90.23	85.71	81.41	77.33	73.46	69.78	66.28
92.5	0.0894	54.408	94.98	90.22	85.69	81.40	77.31	73.43	69.75	66.25
92.7	0.0895	54.350	94.98	90.21	85.68	81.38	77.29	73.41	69.72	66.22
92.9	0.0896	54.291	94.97	90.20	85.67	81.36	77.27	73.39	69.70	66.19
93.1	0.0897	54.233	94.97	90.19	85.65	81.34	77.25	73.36	69.67	66.16
93.3	0.0898	54.175	94.96	90.18	85.64	81.32	77.23	73.34	69.64	66.13
93.5	0.0899	54.117	94.96	90.17	85.62	81.31	77.21	73.31	69.62	66.11
93.7	0.0900	54.059	94.95	90.16	85.61	81.29	77.18	73.29	69.59	66.08
93.9	0.0901	54.001	94.95	90.15	85.59	81.27	77.16	73.26	69.56	66.05
94.1	0.0902	53.944	94.94	90.14	85.58	81.25	77.14	73.24	69.54	66.02
94.3	0.0903	53.887	94.94	90.13	85.57	81.23	77.12	73.22	69.51	65.99
94.5	0.0904	53.830	94.93	90.12	85.55	81.22	77.10	73.19	69.48	65.96
94.7	0.0905	53.773	94.93	90.11	85.54	81.20	77.08	73.17	69.45	65.93
94.9	0.0906	53.716	94.92	90.10	85.52	81.18	77.06	73.14	69.43	65.90
95.1	0.0906	53.660	94.92	90.09	85.51	81.16	77.04	73.12	69.40	65.87
95.3	0.0907	53.603	94.91	90.08	85.50	81.14	77.01	73.09	69.37	65.84
95.5	0.0908	53.547	94.91	90.07	85.48	81.13	76.99	73.07	69.35	65.82
95.7	0.0909	53.491	94.90	90.06	85.47	81.11	76.97	73.05	69.32	65.79
95.9	0.0910	53.435	94.89	90.05	85.45	81.09	76.95	73.02	69.29	65.76
96.1	0.0911	53.380	94.89	90.04	85.44	81.07	76.93	73.00	69.27	65.73
96.3	0.0912	53.324	94.88	90.03	85.43	81.06	76.91	72.98	69.24	65.70
96.5	0.0913	53.269	94.88	90.02	85.41	81.04	76.89	72.95	69.22	65.67
96.7	0.0914	53.214	94.87	90.01	85.40	81.02	76.87	72.93	69.19	65.64
96.9	0.0915	53.159	94.87	90.00	85.38	81.00	76.85	72.90	69.16	65.61
97.1	0.0916	53.104	94.86	89.99	85.37	80.99	76.83	72.88	69.14	65.59
97.3	0.0917	53.049	94.86	89.98	85.36	80.97	76.80	72.86	69.11	65.56
97.5	0.0918	52.995	94.85	89.97	85.34	80.95	76.78	72.83	69.08	65.53
97.7	0.0919	52.941	94.85	89.96	85.33	80.93	76.76	72.81	69.06	65.50
97.9	0.0920	52.887	94.84	89.95	85.31	80.91	76.74	72.79	69.03	65.47

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
98.1	0.0921	52.833	94.84	89.94	85.30	80.90	76.72	72.76	69.01	65.44
98.3	0.0922	52.779	94.83	89.93	85.29	80.88	76.70	72.74	68.98	65.42
98.5	0.0923	52.725	94.83	89.92	85.27	80.86	76.68	72.71	68.95	65.39
98.7	0.0923	52.672	94.82	89.91	85.26	80.84	76.66	72.69	68.93	65.36
98.9	0.0924	52.619	94.82	89.90	85.25	80.83	76.64	72.67	68.90	65.33
99.1	0.0925	52.565	94.81	89.89	85.23	80.81	76.62	72.64	68.88	65.30
99.3	0.0926	52.513	94.81	89.88	85.22	80.79	76.60	72.62	68.85	65.27
99.5	0.0927	52.460	94.80	89.88	85.20	80.78	76.58	72.60	68.82	65.25
99.7	0.0928	52.407	94.80	89.87	85.19	80.76	76.56	72.57	68.80	65.22
99.9	0.0929	52.355	94.79	89.86	85.18	80.74	76.54	72.55	68.77	65.19
100.1	0.0930	52.302	94.79	89.85	85.16	80.72	76.52	72.53	68.75	65.16
100.3	0.0931	52.250	94.78	89.84	85.15	80.71	76.50	72.50	68.72	65.14
100.5	0.0932	52.198	94.78	89.83	85.14	80.69	76.47	72.48	68.70	65.11
100.7	0.0933	52.146	94.77	89.82	85.12	80.67	76.45	72.46	68.67	65.08
100.9	0.0934	52.095	94.77	89.81	85.11	80.65	76.43	72.43	68.64	65.05
101.1	0.0935	52.043	94.76	89.80	85.09	80.64	76.41	72.41	68.62	65.02
101.3	0.0936	51.992	94.76	89.79	85.08	80.62	76.39	72.39	68.59	65.00
101.5	0.0936	51.940	94.75	89.78	85.07	80.60	76.37	72.37	68.57	64.97
101.7	0.0937	51.889	94.75	89.77	85.05	80.59	76.35	72.34	68.54	64.94
101.9	0.0938	51.838	94.74	89.76	85.04	80.57	76.33	72.32	68.52	64.91
102.1	0.0939	51.787	94.74	89.75	85.03	80.55	76.31	72.30	68.49	64.89
102.3	0.0940	51.737	94.73	89.74	85.01	80.53	76.29	72.27	68.47	64.86
102.5	0.0941	51.686	94.73	89.73	85.00	80.52	76.27	72.25	68.44	64.83
102.7	0.0942	51.636	94.72	89.72	84.99	80.50	76.25	72.23	68.41	64.80
102.9	0.0943	51.586	94.72	89.71	84.97	80.48	76.23	72.20	68.39	64.78
103.1	0.0944	51.536	94.71	89.70	84.96	80.47	76.21	72.18	68.36	64.75
103.3	0.0945	51.486	94.71	89.69	84.95	80.45	76.19	72.16	68.34	64.72
103.5	0.0946	51.436	94.70	89.68	84.93	80.43	76.17	72.14	68.31	64.69
103.7	0.0947	51.386	94.70	89.68	84.92	80.42	76.15	72.11	68.29	64.67
103.9	0.0947	51.337	94.69	89.67	84.91	80.40	76.13	72.09	68.26	64.64
104.1	0.0948	51.288	94.69	89.66	84.89	80.38	76.11	72.07	68.24	64.61
104.3	0.0949	51.238	94.68	89.65	84.88	80.37	76.09	72.05	68.21	64.59
104.5	0.0950	51.189	94.68	89.64	84.87	80.35	76.07	72.02	68.19	64.56
104.7	0.0951	51.140	94.67	89.63	84.85	80.33	76.05	72.00	68.16	64.53
104.9	0.0952	51.092	94.67	89.62	84.84	80.32	76.03	71.98	68.14	64.51
105.1	0.0953	51.043	94.66	89.61	84.83	80.30	76.01	71.95	68.11	64.48
105.3	0.0954	50.994	94.66	89.60	84.81	80.28	75.99	71.93	68.09	64.45
105.5	0.0955	50.946	94.65	89.59	84.80	80.26	75.97	71.91	68.06	64.42
105.7	0.0956	50.898	94.65	89.58	84.79	80.25	75.95	71.89	68.04	64.40
105.9	0.0957	50.850	94.64	89.57	84.77	80.23	75.93	71.86	68.01	64.37
106.1	0.0957	50.802	94.64	89.56	84.76	80.21	75.91	71.84	67.99	64.34
106.3	0.0958	50.754	94.63	89.55	84.75	80.20	75.89	71.82	67.97	64.32
106.5	0.0959	50.706	94.63	89.54	84.73	80.18	75.87	71.80	67.94	64.29
106.7	0.0960	50.659	94.62	89.53	84.72	80.16	75.85	71.78	67.92	64.26
106.9	0.0961	50.611	94.62	89.53	84.71	80.15	75.83	71.75	67.89	64.24
107.1	0.0962	50.564	94.61	89.52	84.69	80.13	75.81	71.73	67.87	64.21
107.3	0.0963	50.517	94.61	89.51	84.68	80.12	75.80	71.71	67.84	64.18
107.5	0.0964	50.470	94.60	89.50	84.67	80.10	75.78	71.69	67.82	64.16
107.7	0.0965	50.423	94.60	89.49	84.65	80.08	75.76	71.66	67.79	64.13
107.9	0.0966	50.376	94.59	89.48	84.64	80.07	75.74	71.64	67.77	64.10

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

