

Table I.								
Conductivities x 10⁻¹⁴ electromagnetic unit (mS/m)								
Distance, miles	Distance, kilometers	Sea water 5,000	40	20	10	5	2	1
			Best Soil		Good Soil		Poor Soil	
610 kHz								
1	1.61	100	99	98	96	93	85	72
2	3.22	50	49	48	47	43	38	29
5	8.05	20	20	19	18	16.1	11.7	7.3
10	16.1	10	9.7	9	8.2	6.9	4.1	2.1
20	32.2	5	4.6	4.2	3.6	2.6	1.1	0.49
50	80.5	1.9	1.67	1.35	0.9	0.45	0.134	0.068
100	161	0.83	0.68	0.45	0.23	0.09	0.03	0.015
200	322	0.29	0.2	0.105	0.041	0.0145	0.0044	0.0022
500	805	0.028	-	-	-	-	-	-
Conductivities x 10⁻¹⁴ electromagnetic unit (mS/m)								
Distance, miles	Distance, kilometers	Sea water 5,000	40	20	10	5	2	1
			Best Soil		Good Soil		Poor Soil	
790 kHz								
1	1.61	100	99	98	96	91	77	60
2	3.22	50	49	4.8	47	43	32.5	22.5
5	8.05	20	19.5	19.2	17.2	14.2	8.7	5
10	16.1	10	9.5	8.6	7.5	5.6	2.55	1.3
20	32.2	5	4.38	3.8	2.9	1.73	0.61	0.3
50	80.5	1.85	1.42	1.03	0.58	0.24	0.078	0.043
100	161	0.82	0.51	0.29	0.12	0.046	0.017	0.0092
200	322	0.27	0.125	0.052	0.0173	0.0065	0.0022	0.00115
500	805	0.023	-	-	-	-	-	-
Conductivities x 10⁻¹⁴ electromagnetic unit (mS/m)								
Distance, miles	Distance, kilometers	Sea water 5,000	40	20	10	5	2	1
			Best Soil		Good Soil		Poor Soil	
1,000 kHz								
1	1.61	100	99	97	93	87	68	49
2	3.22	50	49	4.7	44	39	26.4	17.2
5	8.05	20	18.3	17.4	15.3	12	6	3.35
10	16.1	10	8.8	8	6.3	4.15	1.58	0.83
20	32.2	5	3.95	3.26	2.1	1.04	0.35	0.2
50	80.5	1.8	1.15	0.72	0.324	0.127	0.048	0.028
100	161	0.79	0.35	0.16	0.062	0.026	0.01	0.0057
200	322	0.25	0.067	0.0234	0.0082	0.0032	0.00115	0.00067
500	805	0.0185	-	-	-	-	-	-

Conductivities x 10 ⁻¹⁴ electromagnetic unit (mS/m)								
Distance, miles	Distance, kilometers	Sea water 5,000	40	20	10	5	2	1
			Best Soil		Good Soil		Poor Soil	
1,210 kHz								
1	1.61	100	98	96	91	81	59	41
2	3.22	50	49	46	42	35	21.3	13.3
5	8.05	20	18.3	17	14	9.6	4.3	2.43
10	16.1	10	8.6	7.2	5.25	2.85	1.102	0.59
20	32.2	5	3.7	2.7	1.53	0.65	0.23	0.144
50	80.5	1.8	0.95	0.48	0.19	0.08	0.032	0.021
100	161	0.78	0.244	0.092	0.037	0.0154	0.0066	0.0042
200	322	0.24	0.037	0.012	0.0044	0.00182	0.0007	0.00043
500	805	0.016	-	-	-	-	-	-
Conductivities x 10 ⁻¹⁴ electromagnetic unit (mS/m)								
Distance, miles	Distance, kilometers	Sea water 5,000	40	20	10	5	2	1
			Best Soil		Good Soil		Poor Soil	
1,380 kHz								
1	1.61	100	97	95	89	77	53	36.4
2	3.22	50	48	45	40	32	18.5	11.2
5	8.05	20	18	16	12.5	8.2	3.45	1.95
10	16.1	10	8.2	6.6	4.35	2.18	0.71	0.48
20	32.2	4.9	3.4	2.3	1.15	0.47	0.185	0.118
50	80.5	1.8	0.77	0.35	0.133	0.061	0.0265	0.017
100	161	0.78	0.176	0.065	0.027	0.0125	0.005	0.0032
200	322	0.23	0.024	0.008	0.00305	0.00125	0.00038	0.00032
500	805	0.0135	-	-	-	-	-	-
Conductivities x 10 ⁻¹⁴ electromagnetic unit (mS/m)								
Distance, miles	Distance, kilometers	Sea water 5,000	40	20	10	5	2	1
			Best Soil		Good Soil		Poor Soil	
1,600 kHz								
1	1.61	100	96	93	85	71	45	31
2	3.22	50	48	43	37.5	28	14.5	9.4
5	8.05	20	17.2	15	10.8	6.2	2.5	1.6
10	16.1	10	6.6	5.8	3.4	1.54	0.58	0.39
20	32.2	4.8	2.95	1.76	0.79	0.32	0.137	0.096
50	80.5	1.76	0.57	0.23	0.092	0.044	0.0195	0.0127
100	161	0.75	0.113	0.041	0.018	0.0084	0.0037	0.0026
200	322	0.215	0.0145	0.0043	0.0018	0.00077	0.00046	0.00023
500	805	0.011	-	-	-	-	-	-
Table I - Groundwave Field Strength Versus Distance (Field strength in percent of the field strength (unattenuated) at 1 mile from the antenna)								