Sunol Sciences Corporation

Model JB1
Typical E-Field Antenna Factor

FREQ (MHz)	AFE (dB)	Gain (dBi)	FREQ (MHz)	AFE (dB)	Gain (dBi)	FREQ (MHz)	AFE (dB)	Gain (dBi)
30	19.9	-20.2	205	11.8	4.6	380	15.1	6.6
35	17.1	-16.0	210	10.6	6.0	385	15.2	6.7
40	13.6	-11.3	215	10.8	6.1	390	15.3	6.7
45	10.2	-6.9	220	10.7	6.3	395	15.5	6.7
50	7.9	-3.8	225	10.8	6.4	400	15.6	6.6
55	7.5	-2.5	230	11.0	6.4	405	15.9	6.4
60	7.7	-1.9	235	11.3	6.3	410	16.1	6.4
65	7.9	-1.5	240	11.6	6.2	415	16.2	6.3
70	8.0	-0.9	245	11.8	6.1	420	16.3	6.3
75	7.9	-0.2	250	11.8	6.4	425	16.4	6.3
80	7.9	0.4	255	11.6	6.7	430	16.5	6.3
85	7.6	1.2	260	11.7	6.8	435	16.7	6.3
90	7.6	1.7	265	12.6	6.1	440	16.8	6.3
95	8.2	1.5	270	13.3	5.5	445	16.8	6.4
100	9.5	0.7	275	13.5	5.5	450	16.9	6.4
105	10.9	-0.2	280	13.5	5.6	455	17.0	6.4
110	12.3	-1.3	285	13.5	5.8	460	17.1	6.4
115	13.2	-1.8	290	13.5	5.9	465	17.2	6.3
120	13.9	-2.1	295	13.5	6.1	470	17.4	6.3
125	14.2	-2.0	300	13.5	6.2	475	17.6	6.2
130	14.1	-1.6	305	13.6	6.3	480	17.8	6.0
135	13.8	-1.0	310	13.7	6.3	485	17.9	6.0
140	13.4	-0.2	315	13.8	6.3	490	18.0	6.0
145	13.0	0.4	320	13.9	6.4	495	18.1	6.0
150	12.8	1.0	325	14.0	6.4	500	18.0	6.2
155	12.6	1.4	330	14.1	6.4	505	18.0	6.3
160	12.5	1.8	335	14.1	6.6	510	18.0	6.4
165	12.3	2.3	340	14.1	6.7	515	17.9	6.5
170	12.1	2.8	345	14.2	6.8	520	18.0	6.6
175	11.8	3.3	350	14.2	6.8	525	18.0	6.6
180	11.4	3.9	355	14.4	6.8	530	18.0	6.6
185	11.3	4.3	360	14.6	6.7	535	18.1	6.7
190	11.3	4.5	365	14.8	6.7	540	18.1	6.7
195	11.5	4.5	370	14.9	6.7	545	18.2	6.7
200	12.2	4.1	375	15.0	6.7	550	18.4	6.6

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555	18.5	6.5	800	21.2	7.1	1045	23.5	7.1
560	18.6	6.6	805	21.3	7.0	1050	23.6	7.0
565	18.6	6.6	810	21.4	7.0	1055	23.7	7.0
570	18.7	6.6	815	21.4	7.0	1060	23.7	7.0
575	18.7	6.7	820	21.5	7.0	1065	23.6	7.1
580	18.6	6.8	825	21.6	7.0	1070	23.6	7.2
585	18.5	7.0	830	21.6	7.0	1075	23.6	7.3
590	18.4	7.2	835	21.7	6.9	1080	23.5	7.4
595	18.3	7.4	840	21.7	6.9	1085	23.6	7.3
600	18.3	7.5	845	21.8	7.0	1090	23.6	7.3
605	18.5	7.4	850	21.8	7.0	1095	23.7	7.3
610	18.6	7.3	855	21.8	7.0	1100	23.7	7.3
615	18.9	7.1	860	21.9	7.0	1105	23.8	7.3
620	19.1	6.9	865	21.9	7.0	1110	23.9	7.2
625	19.3	6.9	870	21.9	7.1	1115	24.0	7.1
630	19.4	6.8	875	21.9	7.1	1120	24.2	7.0
635	19.5	6.8	880	21.9	7.2	1125	24.2	7.0
640	19.6	6.7	885	22.0	7.1	1130	24.3	6.9
645	19.7	6.7	890	22.0	7.1	1135	24.4	6.9
650	19.7	6.8	895	22.1	7.1	1140	24.5	6.8
655	19.8	6.7	900	22.2	7.1	1145	24.5	6.9
660	19.8	6.8	905	22.2	7.2	1150	24.6	6.8
665	19.9	6.8	910	22.2	7.2	1155	24.6	6.8
670	19.9	6.8	915	22.3	7.2	1160	24.7	6.8
675	19.9	6.9	920	22.3	7.1	1165	24.7	6.8
680	19.9	7.0	925	22.3	7.2	1170	24.8	6.7
685	19.9	7.0	930	22.3	7.3	1175	24.9	6.7
690	20.0	7.0	935	22.4	7.2	1180	24.9	6.8
695	20.0	7.0	940	22.5	7.2	1185	24.9	6.7
700	20.1	7.0	945	22.4	7.3	1190	24.9	6.8
705	20.2	7.0	950	22.5	7.3	1195	25.0	6.8
710	20.2	7.0	955	22.6	7.2	1200	25.0	6.8
715	20.3	7.0	960	22.6	7.2	1205	25.0	6.8
720	20.3	7.0	965	22.7	7.2	1210	25.0	6.8
725	20.4	7.0	970	22.7	7.2	1215	25.0	6.9
730	20.4	7.0	975	22.8	7.2	1220	25.0	7.0
735	20.5	7.0	980	22.9	7.2	1225	25.0	7.0
740	20.5	7.0	985	22.9	7.2	1230	25.1	6.9
745	20.6	7.0	990	23.0	7.1	1235	25.0	7.0
750	20.7	7.0	995	23.1	7.1	1240	25.0	7.0
755	20.8	7.0	1000	23.2	7.0	1245	25.0	7.1
760	20.8	7.0	1005	23.3	7.0	1250	25.1	7.1
765	20.9	7.0	1010	23.3	6.9	1255	25.0	7.2
770	21.0	7.0	1015	23.4	6.9	1260	25.1	7.1
775	21.1	6.9	1020	23.4	6.9	1265	25.1	7.1
780	21.2	6.9	1025	23.5	6.9	1270	25.2	7.1
785	21.2	6.9	1030	23.5	7.0	1275	25.3	7.0
790	21.1	7.0	1035	23.5	7.0	1280	25.2	7.2
795	21.1	7.1	1040	23.5	7.0	1285	25.3	7.1

FREQ (MHz)	AFE (dB)	Gain (dBi)	FREQ (MHz)	AFE (dB)	Gain (dBi)	FREQ (MHz)	AFE (dB)	Gain (dBi)
1290	25.3	7.1	1535	27.1	6.9	1780	28.5	6.7
1295	25.4	7.1	1540	27.1	6.9	1785	28.6	6.7
1300	25.5	7.0	1545	27.2	6.8	1790	28.5	6.8
1305	25.6	6.9	1550	27.2	6.8	1795	28.6	6.6
1310	25.6	6.9	1555	27.3	6.8	1800	28.7	6.6
1315	25.6	6.9	1560	27.3	6.7	1805	28.6	6.7
1320	25.7	6.9	1565	27.5	6.6	1810	28.6	6.8
1325	25.7	7.0	1570	27.5	6.6	1815	28.8	6.6
1330	25.7	6.9	1575	27.5	6.6	1820	28.7	6.7
1335	25.8	6.9	1580	27.6	6.6	1825	28.7	6.7
1340	25.9	6.9	1585	27.6	6.6	1830	28.7	6.8
1345	25.9	6.8	1590	27.6	6.7	1835	28.7	6.7
1350	26.0	6.8	1595	27.6	6.7	1840	28.7	6.8
1355	26.0	6.9	1600	27.6	6.7	1845	28.8	6.8
1360	26.1	6.8	1605	27.5	6.8	1850	28.7	6.8
1365	26.0	6.9	1610	27.6	6.8	1855	28.7	6.8
1370	26.0	7.0	1615	27.6	6.8	1860	28.8	6.8
1375	26.0	7.0	1620	27.6	6.8	1865	28.8	6.8
1380	26.0	7.0	1625	27.6	6.8	1870	28.8	6.8
1385	26.0	7.0	1630	27.6	6.8	1875	28.7	7.0
1390	26.0	7.1	1635	27.5	6.9	1880	28.7	7.0
1395	26.0	7.1	1640	27.6	6.9	1885	28.7	7.0
1400	25.9	7.2	1645	27.6	6.9	1890	28.7	7.0
1405	26.0	7.2	1650	27.7	6.9	1895	28.7	7.0
1410	25.9	7.3	1655	27.8	6.8	1900	28.9	6.9
1415	25.9	7.3	1660	27.8	6.8	1905	28.8	7.0
1420	25.9	7.3	1665	28.0	6.7	1910	28.9	6.9
1425	25.9	7.3	1670	27.9	6.7	1915	28.9	6.9
1430	26.0	7.3	1675	28.0	6.7	1920	28.9	7.0
1435	26.0	7.3	1680	27.8	6.9	1925	28.9	7.0
1440	26.1	7.3	1685	27.9	6.9	1930	28.9	7.0
1445	26.1	7.3	1690	27.8	7.0	1935	29.0	7.0
1450	26.1	7.3	1695	27.8	7.0	1940	29.0	7.0
1455	26.2	7.3	1700	27.9	6.9	1945	29.0	7.0
1460	26.3	7.2	1705	28.0	6.9	1950	29.0	7.0
1465	26.3	7.2	1710	28.0	6.8	1955	29.0	7.0
1470	26.3	7.2	1715	27.9	7.0	1960	29.0	7.0
1475	26.4	7.2	1720	28.0	6.9	1965	29.0	7.1
1480	26.5	7.1	1725	28.0	7.0	1970	29.1	7.0
1485	26.5	7.1	1730	28.2	6.8	1975	29.1	7.0
1490	26.6	7.1	1735	28.1	6.8	1980	29.0	7.1
1495	26.7	7.0	1740	28.4	6.6	1985	29.1	7.0
1500	26.7	7.0	1745	28.3	6.7	1990	29.3	6.9
1505	26.8	7.0	1750	28.4	6.7	1995	29.4	6.8
1510	26.8	7.0	1755	28.5	6.6	2000	29.4	6.9
1515	26.9	6.9	1760	28.5	6.6			
1520	26.8	7.0	1765	28.6	6.6			
1525	26.9	7.0	1770	28.5	6.6			
1530	27.0	6.9	1775	28.5	6.6			