

MOBILE ANTENNA CUTTING LENGTHS

NOTE: LENGTH MEASUREMENTS IS FROM THE TOP OF THE WHIP CAP TO THE BODY OF THE VEHICLE.

: ADD 10% TO 15% TO OVERALL LENGTH IF A MAGNET BASE MOUNT IS USED.



MA-27BL (26-28MHz.) (BASE LOADED - UNITY GAIN)

FREQ:	26.9	27	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	30
LENGTH	1590	1579	1568	1557	1546	1535	1524	1513	1502	1491	1481	1470	1459	1449	1439	1429	1419	1409	1398	1388	1377	1367

MA-29BL (29-30MHz.) (BASE LOADED - UNITY GAIN)

FREQ:	28.9	29	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	30	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	31
LENGTH	1590	1579	1568	1557	1546	1535	1524	1513	1502	1491	1481	1470	1459	1449	1439	1429	1419	1409	1398	1388	1377	1367

MA-50 (54- 470MHz.) (1/4 WAVE - UNITY GAIN)

FREQ:	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78
LENGTH	1400	1370	1360	132	1290	1260	1245	1220	1190	1170	1155	1140	1132	1125	1120	1100	1080	1065	1050	1030	1010	1000	990	970	960
FREQ:	79	80	81	82	83	84	85	86	87	88	89														
LENGTH	955	943	930	920	910	900	890	880	875	870	860														
FREQ:	110	112	114	116	118	120	124	126	128	130	132	134	136	138	140	142	144	146	148	150	152	154	156	158	160
LENGTH	730	725	710	690	680	670	660	650	640	630	620	610	600	590	580	570	565	560	550	540	535	530	528	530	525
FREQ:	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175										
LENGTH	520	515	510	505	500	498	495	490	488	485	480	478	475	470	465										
FREQ:	240	242	246	248	250	252	254	256	258	260	262	264	266	268	270	272	274	276	278	280	282	284	286	288	290
LENGTH	320	318	316	313	311	309	307	306	304	302	300	298	297	295	294	292	290	289	287	285	283	281	280	278	277
FREQ:	390	395	400	405	410	415	420	425	430	435	440	445	450	455	460	465	470	475	480	485	490	495	500	520	540
LENGTH	210	210	210	210	210	210	210	210	210	210	210	210	210	210	219	219	219	219	219	219	219	219	219	219	219

MA-60 (54-174MHz.) (1/4 WAVE - UNITY GAIN)

FREQ:	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78
LENGTH	1400	1370	1360	1320	1290	1260	1245	1220	1190	1170	1155	1140	1132	1125	1120	1100	1080	1065	1050	1030	1010	1000	990	970	960
FREQ:	79	80	81	82	83	84	85	86	87	88	89	99													
LENGTH	955	943	930	920	910	900	890	880	875	870	860	810													
FREQ:	110	112	114	116	118	120	124	126	128	130	132	134	136	138	140	142	144	146	148	150	152	154	156	158	160
LENGTH	730	725	710	690	680	670	660	650	640	630	620	610	600	590	580	570	565	560	550	540	535	530	528	530	525
FREQ:	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175										
LENGTH	520	515	510	505	500	498	495	490	488	485	480	478	475	470	465										

MA-130 (133 - 175MHz.) (5/8 WAVE BASE LOADED - 3dBi GAIN)

FREQ:	130	132	134	136	138	140	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178
LENGTH	1500	1500	1500	1500	1480	1435	1415	1394	1370	1355	1340	1320	1295	1290	1250	1220	1210	1190	1180	1165	1150	1145	1140	1140	1140

MA-250 (247-263MHz.) (5/8 WAVE BASE LOADED - 3dBi GAIN)

FREQ:	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270
LENGTH	801	797	793	789	785	781	777	773	769	765	761	757	753	749	745	741	737	733	729	725	721	717	713	709	705

MA-400MC (390 - 470MHz.) (CENTRE LOADED MOULDED COIL - 3-4dBi GAIN)

FREQ:	390	393	396	399	402	405	408	411	414	417	420	423	426	429	432	435	438	451	454	457	560	463	466	469	470
LENGTH	(CUT WHIP SHORTER IF ABOVE 440MHz. BY 30mm AT THE BOTTOM AND 100mm AT THE TOP THEN ANTENNA IS ADJUSTED BY MOVING THE TUNING DISC UP OR DOWN.)																								

WARNING: USE PROTECTIVE EYE WEAR WHEN CUTTING WHIPS!!!!