

MOBILE VHF ANTENNA
 MODEL 1153
 CUTTING CHART
 (CUT WHIP FROM BOTTOM)

(WHIP LENGTH NO SPRING)

(WHIP LENGTH WITH SPRING)

FREQUENCY	VSWR	MM	INCHES	FREQUENCY	VSWR	MM	INCHES
136 MHz	1.11	1350	53 1/8	136 MHz	1.08	1285	50 9/16
138	1.04	1314	51 3/4	138	1.03	1252	49 5/16
140	1.06	1285	50 9/16	140	1.0	1222	48 1/8
142	1.07	1260	49 5/8	142	1.01	1193	46 15/16
144	1.05	1230	48 7/16	144	1.01	1166	45 7/8
146	1.05	1208	47 9/16	146	1.05	1140	44 7/8
148	1.01	1184	46 5/8	148	1.03	1120	44 1/8
150	1.01	1167	45 15/16	150	1.05	1104	43 7/16
152	1.02	1155	45 1/2	152	1.05	1082	42 5/8
154	1.04	1136	44 3/4	154	1.03	1066	41 15/16
156	1.07	1118	43 7/8	156	1.03	1046	41 3/16
158	1.07	1092	43	158	1.03	1022	40 1/4
160	1.07	1072	42 3/16	160	1.03	1000	39 3/8
162	1.06	1052	41 7/16	162	1.01	975	38 3/8
164	1.01	1032	40 5/8	164	1.02	955	37 5/8
166	1.01	1015	39 15/16	166	1.04	940	37
168	1.03	1000	39 3/8	168	1.03	927	36 1/2
170	1.03	985	38 3/4	170	1.03	912	35 7/8
172	1.21	967	38 1/16	172	1.13	892	35 1/8
174	1.28	954	37 9/16	174	1.23	878	34 9/16