

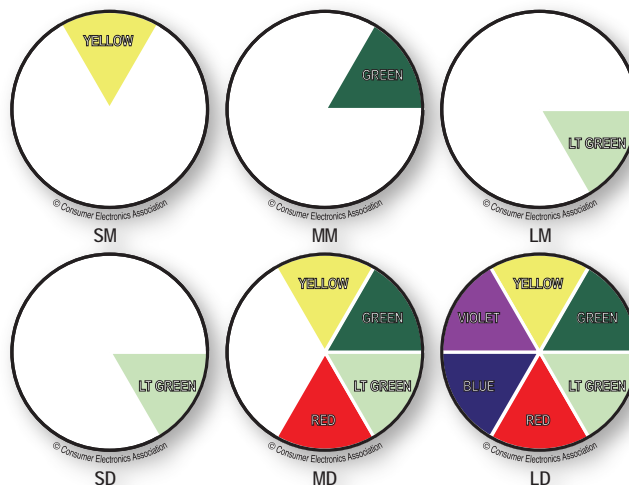


ANTENNA REFERENCE CHART METRIC

ANTENNA SERIES	MODEL	TYPE	RECEPTION RANGE (km)		AVERAGE GAIN (dB)			ANTENNA SIZE (cm)			TURNING RADIUS (cm)	SHIPS VIA UPS	CEA
			VHF/FM	UHF	VHF Lo	VHF Hi	UHF	Length	Width (max)	Height			
CROSSFIRE	3671	U/V/FM	161+	96+	5.6	10.9	10.0	439.4	279.4	89.9	243.1	Yes	LD
	3678	U/V/FM	96	96	4.7	8.2	8.6	383.5	279.4	89.9	219.7		LD
	3679	U/V/FM	80	96	4.0	8.1	9.5	309.9	279.4	89.9	196.9		LD
	3677	U/V/FM	72	72	2.3	7.9	8.5	246.4	279.4	89.9	168.9		MD
ADVANTAGE	2001	U/V/FM	72	48	-3.5	0.0	2.0	68.6	215.4	7.0	111.3	Yes	LM
	3014	U/V/FM	40	24	0.7	4.6	5.1	133.4	212.3	5.7	101.6		SD
	3016	U/V/FM	72	48	1.2	7.9	7.7	167.6	212.3	55.9	104.1		MD
	3018	U/V/FM	96	64	2.3	8.2	8.4	287.7	241.3	55.9	147.1		LD
	3020	U/V/FM	161	96	3.6	8.6	9.5	386.7	241.3	55.9	239.8		LD
SPECIAL MARKETS	3000A	U/V	72	48	Amplified Antenna			63.5 (circular)			6.4	N/A	SM
	3010	U/V/FM	72	48	-4.6	0.5	-1.6	38.1	139.7	5.7	76.2	LM	
UHF ONLY	4221	UHF	N/A	72	N/A	N/A	10.2	10.2	50.8	91.4	25.4	Yes	LD
	4228	UHF	N/A	96	N/A	N/A	12.0	12.7	100.3	91.4	50.8		LD

ENGLISH

ANTENNA SERIES	MODEL	TYPE	RECEPTION RANGE (miles)		AVERAGE GAIN (dB)			ANTENNA SIZE (in.)			TURNING RADIUS (in.)	SHIPS VIA UPS	CEA
			VHF/FM	UHF	VHF Lo	VHF Hi	UHF	Length	Width (max)	Height			
CROSSFIRE	3671	U/V/FM	100	60+	5.6	10.9	10.0	173	110	35.4	95.7	Yes	LD
	3678	U/V/FM	60	60	4.7	8.2	8.6	151	110	35.4	86.5		LD
	3679	U/V/FM	50	60	4.0	8.1	9.5	122	110	35.4	77.5		LD
	3677	U/V/FM	45	45	2.3	7.9	8.5	97	110	35.4	66.5		MD
ADVANTAGE	2001	U/V/FM	45	30	-3.5	0.0	2.0	27	84.8	2.75	43.8	Yes	LM
	3014	U/V/FM	25	15	0.7	4.6	5.1	52.5	83.6	2.25	40		SD
	3016	U/V/FM	45	30	1.2	7.9	7.7	66	83.6	22	41		MD
	3018	U/V/FM	60	40	2.3	8.2	8.4	113.25	95	22	57.9		LD
	3020	U/V/FM	100	60	3.6	8.6	9.5	152.25	95	22	94.4		LD
SPECIAL MARKETS	3000A	U/V	45	30	Amplified Antenna			25 in. (circular)			2.5	N/A	SM
	3010	U/V/FM	45	30	-4.6	0.5	-1.6	15	55	2.25	30	LM	
UHF ONLY	4221	UHF	N/A	45	N/A	N/A	10.2	4	20	36	10	Yes	LD
	4228	UHF	N/A	60	N/A	N/A	12.0	5	39.5	36	20		LD



- SM Small Multidirectional
- MM Medium Multidirectional
- LM Large Multidirectional
- SD Small Directional
- MD Medium Directional
- LD Large Directional