



DCR-U CIRCULARLY POLARIZED FM ANTENNA

- High-power/peak voltage rating
- Power rating of 40kW for single bay
- Broadband for multi-station operation
- Stainless steel elements
- Radomes or integral deicers optional
- Excellent circularity <+/- 1 dB for both horizontal and vertical polarization

The DCR-U features a pressurized tap point and 4" balun which makes it specially designed to handle the high-powers and voltages associated with combined multi-station operation. The broadband quadrupole design provides excellent circularity for both the horizontal and vertical polarizations while maintaining an equal H/V ratio, important for today's mobile reception. The "U" series antenna has a power rating of 40kW per bay and is available in arrays up to 12 bays.

	# of Bays	Without Radomes				With Radomes				db
		Weight (lbs)		EPA (ft ²)		Weight (lbs)		EPA (ft ²)		
		λ Spaced	$\frac{1}{2} \lambda$ Spaced	λ Spaced	$\frac{1}{2} \lambda$ Spaced	λ Spaced	$\frac{1}{2} \lambda$ Spaced	λ Spaced	$\frac{1}{2} \lambda$ Spaced	
DCR-U1	1	190		6.4		253		9.1		
DCR-U2	2	341	313	12.1	10.7	468	440	17.7	16.2	
DCR-U3	3	492	437	17.9	14.9	682	627	26.2	23.3	-0.16
DCR-U4	4	643	560	23.6	19.2	897	814	34.8	30.4	
DCR-U5	5	794	684	29.4	23.5	1111	1001	43.3	37.5	
DCR-U6	6	946	808	35.1	27.8	1326	1188	51.8	44.5	2.45
DCR-U7	7	1097	931	40.9	32.1	1541	1375	60.4	51.8	
DCR-U8	8	1248	1055	46.6	36.4	1755	1562	68.9	58.7	
DCR-U10	10	1550	1302	58.2	45	2184	1936	86	72.8	
DCR-U12	12	1853	1549	69.7	53.6	2614	2310	103.1	87	5.27

Loads per ANSI/TIA 222G, reference frequency 98Mhz, end fed antenna