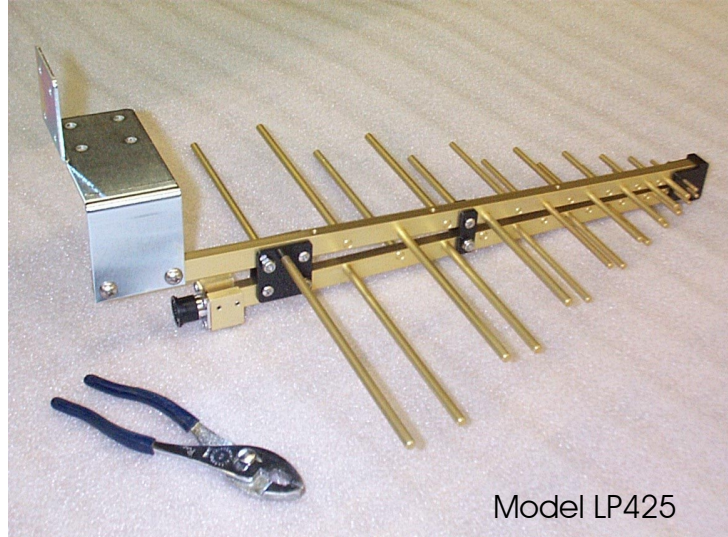


Specifications, Model LP425

Frequency range:	400 – 3000 MHz
Gain:	7 dBi typical
Impedance:	50 ohms nominal
VSWR:	< 1.8:1
Connector:	Type N female
Polarization:	Linear
Power:	200 watts cw max.
Length:	19 in. (48 cm)
Width:	16 in. (41 cm)
Height:	7 in. (18 cm)
Weight:	2 lbs. (1 kg)
Finish:	Gold iridite



Model LP425 is a directional antenna designed for transmitting and receiving wireless communications signals. The broadband characteristics of the log-periodic structure enable it to operate over a very wide frequency range with constant gain. Innovative design and manufacturing techniques result in long-lasting strength and performance.



The antenna boom is made from a custom aluminum extrusion that reduces the number of mechanical RF junctions. The use of similar metal alloys keeps passive IM to a minimum. Dipole elements are permanently attached to the boom by a technique that maintains excellent electrical characteristics for the life of the antenna. The result is a stronger, more stable feedpoint with a low VSWR.

The antenna includes a universal mounting bracket for easy installation. An optional radome cover (UL94VO rated) is offered for added protection. An optional powdercoat finish with UV inhibitors is recommended for use in outdoor environments.

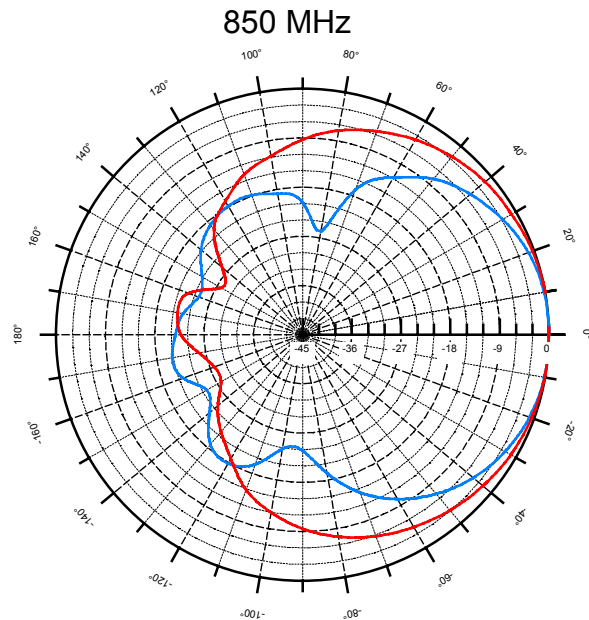
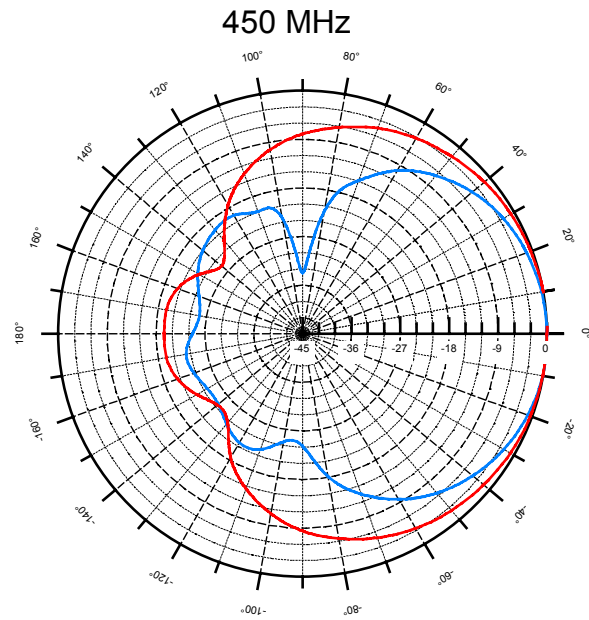
Options

- Radome cover (add suffix "R")
- Powdercoat finish (add suffix "P")
- Individual calibration

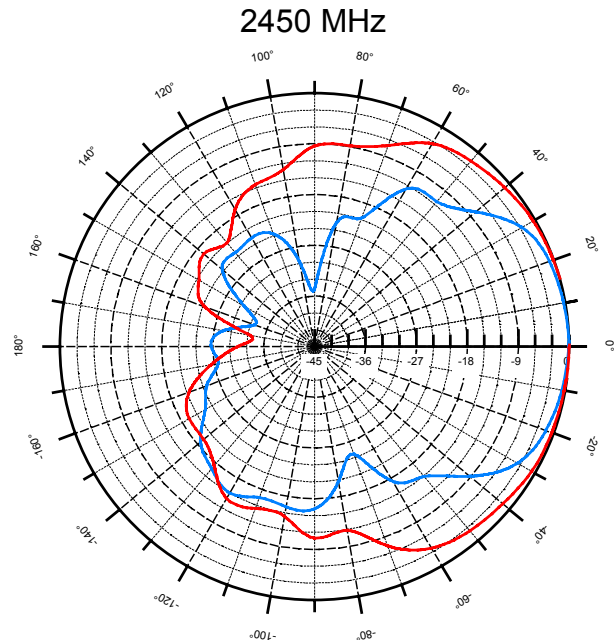
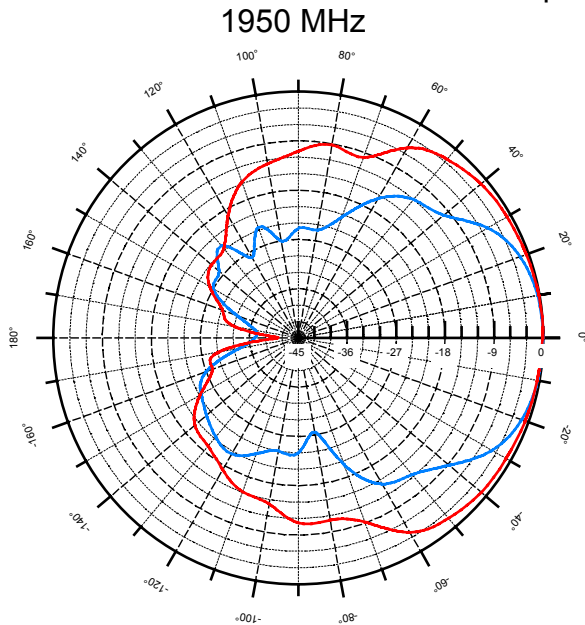
Applications

- Broadband wireless
- EMC testing
- Signal monitoring and detection





E-plane ——— blue line
H-plane ——— red line



Freq (MHz)	Gain (dBi)	Freq (MHz)	Gain (dBi)	Freq (MHz)	Gain (dBi)	Freq (MHz)	Gain (dBi)	Freq (MHz)	Gain (dBi)	Freq (MHz)	Gain (dBi)
400	6.2	850	8.0	1300	8.1	1750	9.3	2200	7.7	2650	8.0
410	6.1	860	7.2	1310	7.4	1760	8.4	2210	8.6	2660	8.2
420	6.0	870	6.9	1320	7.2	1770	7.4	2220	8.3	2670	7.5
430	7.0	880	7.1	1330	7.9	1780	7.9	2230	7.2	2680	7.3
440	6.8	890	8.0	1340	7.9	1790	7.2	2240	6.7	2690	6.8
450	6.8	900	7.7	1350	8.0	1800	8.5	2250	7.9	2700	6.6
460	6.7	910	7.0	1360	7.9	1810	7.4	2260	7.9	2710	7.1
470	6.6	920	7.6	1370	7.5	1820	7.8	2270	7.9	2720	6.9
480	6.1	930	7.7	1380	7.2	1830	8.2	2280	8.6	2730	6.8
490	6.5	940	6.8	1390	7.2	1840	8.5	2290	8.4	2740	7.8
500	6.8	950	7.1	1400	7.3	1850	8.5	2300	8.4	2750	7.4
510	6.9	960	7.3	1410	7.9	1860	8.3	2310	8.7	2760	6.4
520	6.7	970	7.4	1420	8.3	1870	8.4	2320	7.8	2770	6.3
530	6.6	980	7.5	1430	8.0	1880	7.8	2330	7.6	2780	6.0
540	6.6	990	8.0	1440	8.1	1890	8.2	2340	7.7	2790	7.7
550	6.0	1000	7.9	1450	7.9	1900	7.2	2350	7.2	2800	7.8
560	6.7	1010	7.9	1460	8.3	1910	7.2	2360	7.2	2810	7.1
570	7.2	1020	8.2	1470	8.2	1920	8.4	2370	8.1	2820	7.0
580	7.0	1030	7.2	1480	8.5	1930	7.8	2380	7.8	2830	7.8
590	7.8	1040	7.4	1490	8.7	1940	7.8	2390	7.6	2840	6.9
600	7.5	1050	7.6	1500	8.4	1950	8.5	2400	8.6	2850	6.2
610	7.4	1060	7.5	1510	8.3	1960	8.7	2410	8.3	2860	7.0
620	7.6	1070	7.1	1520	7.3	1970	8.9	2420	7.4	2870	7.8
630	7.5	1080	7.6	1530	7.0	1980	7.6	2430	7.4	2880	8.7
640	7.3	1090	8.4	1540	7.0	1990	7.7	2440	6.9	2890	7.9
650	7.0	1100	8.5	1550	7.1	2000	7.4	2450	7.1	2900	6.1
660	6.7	1110	7.8	1560	7.5	2010	8.0	2460	7.2	2910	6.5
670	6.9	1120	8.4	1570	8.0	2020	7.6	2470	7.6	2920	7.0
680	7.3	1130	8.3	1580	8.8	2030	8.1	2480	7.6	2930	6.2
690	7.1	1140	7.6	1590	8.3	2040	8.8	2490	8.1	2940	6.2
700	7.0	1150	7.2	1600	7.6	2050	8.9	2500	8.0	2950	6.6
710	7.7	1160	6.6	1610	7.7	2060	9.1	2510	7.1	2960	7.0
720	7.2	1170	7.7	1620	8.5	2070	8.9	2520	8.2	2970	7.4
730	6.5	1180	8.3	1630	8.6	2080	7.3	2530	8.0	2980	6.6
740	6.3	1190	7.6	1640	8.3	2090	7.0	2540	7.4	2990	6.9
750	5.9	1200	8.0	1650	7.5	2100	8.0	2550	7.7	3000	6.5
760	6.9	1210	8.2	1660	8.2	2110	7.3	2560	7.8		
770	7.5	1220	8.4	1670	8.5	2120	7.0	2570	7.9		
780	7.6	1230	8.1	1680	8.8	2130	7.9	2580	7.5		
790	7.3	1240	7.5	1690	7.9	2140	8.0	2590	7.4		
800	7.4	1250	8.3	1700	6.8	2150	9.0	2600	6.9		
810	7.0	1260	7.8	1710	7.0	2160	8.9	2610	8.1		
820	6.9	1270	7.9	1720	7.7	2170	7.5	2620	8.3		
830	6.3	1280	7.8	1730	8.2	2180	7.7	2630	7.7		
840	6.7	1290	7.7	1740	7.3	2190	7.7	2640	7.2		