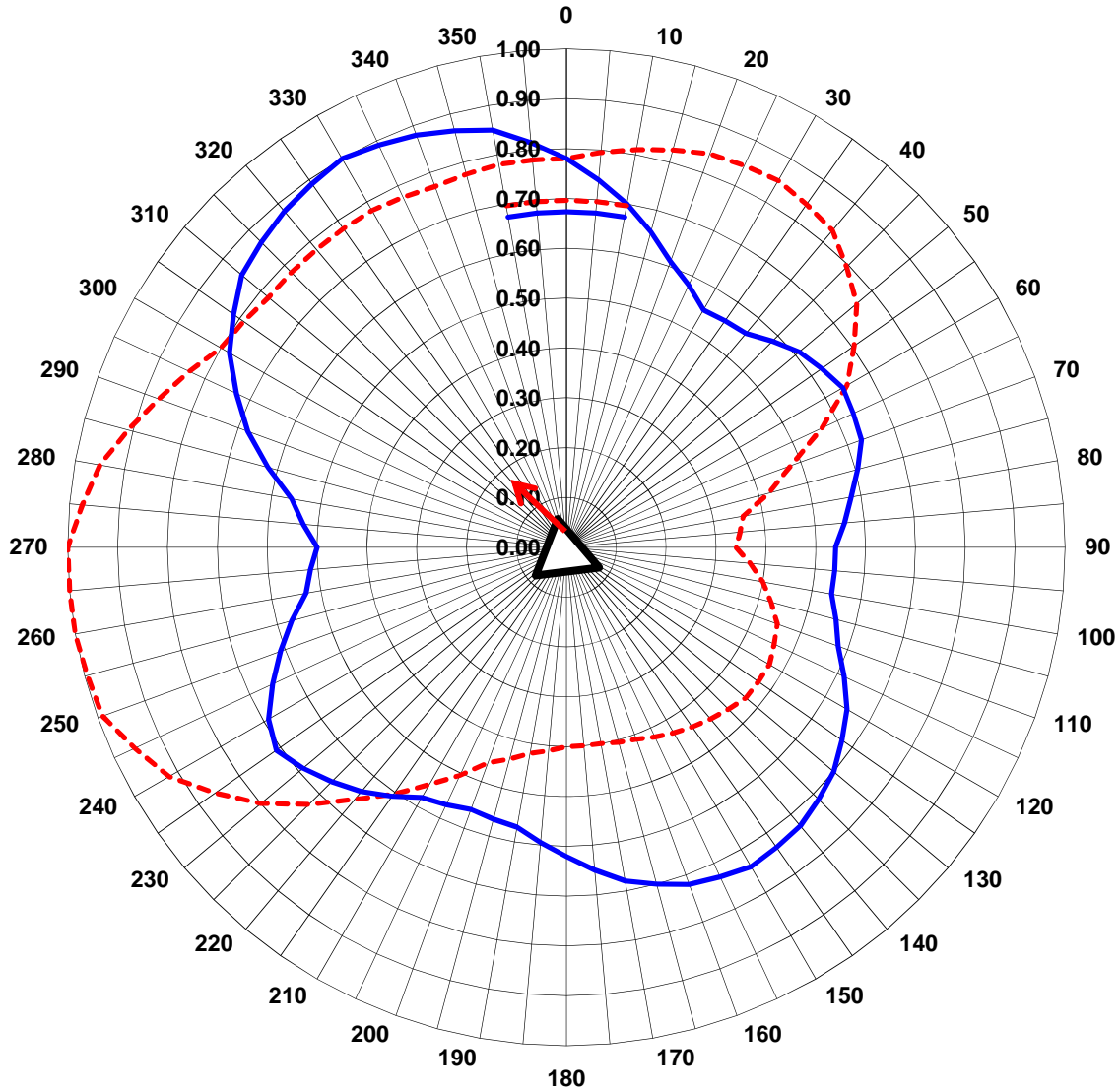


# SHIVELY LABS SAMPLE PATTERN



## 6813 ANTENNA

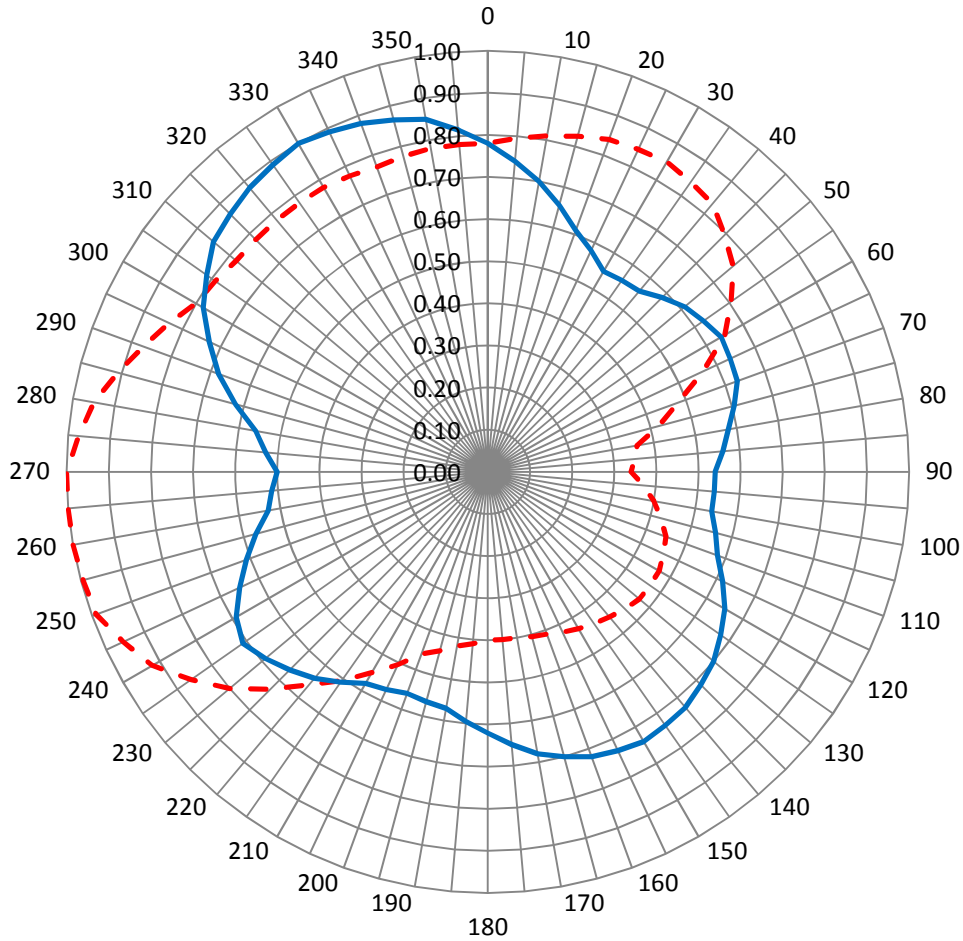
**VERTICAL RMS: 69.60%**

**HORIZONTAL RMS: 67.31%**

PATTERN NUMBER 6813-031  
 FREQUENCY: LOW BAND  
 ANTENNA AZIMUTH 316-DEGREES  
 TOWER CENTRAL 24  
 MOUNT STYLE LEG MT  
 DISTANCE FROM TOWER STD. MOUNT XL  
 MOUNT REMARKS: MT'S ROTATED 30-DGRS CCW

Antennas are supplied with standard mounts  
 Standard mounts fit 1.25" to 3.50" OD tower legs  
 or up to a 48-inch face tower  
 Mounts stand off 22.375-inches  
 Radomes and Deicers are optional  
 Pattern studies are optional  
 Shively Labs recommends anti-rotation brackets  
 for tower legs under 2-inches

# SHIVELY LABS SAMPLE PATTERN



PATTERN NUMBER 6813-031

**V-RMS** 69.60%  
**H-RMS** 67.31%

DEGREE	VERT	HORZ	DEGREE	VERT	HORZ	DEGREE	VERT	HORZ	DEGREE	VERT	HORZ
0	0.78	0.78	90	0.34	0.54	180	0.40	0.62	270	1.00	0.50
5	0.80	0.74	95	0.37	0.54	185	0.41	0.60	275	0.98	0.53
10	0.81	0.70	100	0.40	0.54	190	0.42	0.57	280	0.95	0.56
15	0.83	0.66	105	0.43	0.56	195	0.44	0.57	285	0.91	0.62
20	0.84	0.61	110	0.45	0.58	200	0.46	0.56	290	0.87	0.68
25	0.85	0.58	115	0.46	0.62	205	0.51	0.57	295	0.84	0.73
30	0.85	0.55	120	0.47	0.65	210	0.55	0.58	300	0.80	0.78
35	0.84	0.56	125	0.47	0.68	215	0.61	0.61	305	0.79	0.82
40	0.83	0.56	130	0.47	0.70	220	0.66	0.64	310	0.78	0.85
45	0.80	0.59	135	0.46	0.72	225	0.73	0.67	315	0.78	0.87
50	0.76	0.61	140	0.45	0.73	230	0.80	0.69	320	0.78	0.88
55	0.71	0.63	145	0.44	0.74	235	0.86	0.71	325	0.78	0.89
60	0.65	0.64	150	0.43	0.74	240	0.92	0.69	330	0.78	0.90
65	0.57	0.64	155	0.42	0.73	245	0.96	0.65	335	0.78	0.89
70	0.48	0.63	160	0.41	0.72	250	0.99	0.61	340	0.77	0.88
75	0.42	0.61	165	0.41	0.70	255	1.00	0.57	345	0.78	0.87
80	0.36	0.58	170	0.40	0.68	260	1.00	0.53	350	0.78	0.85
85	0.35	0.56	175	0.40	0.65	265	1.00	0.52	355	0.78	0.82