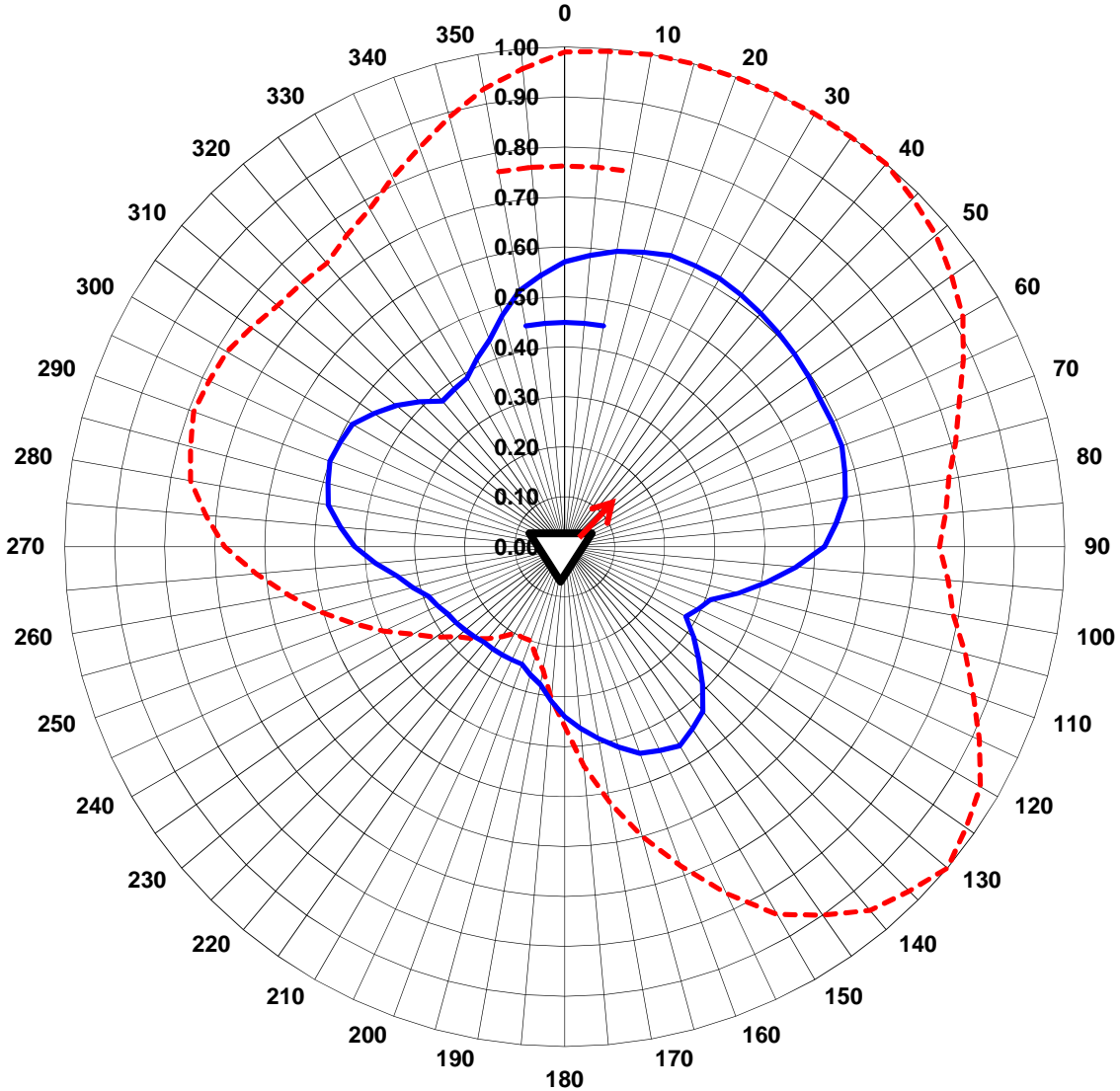


# SHIVELY LABS SAMPLE PATTERN



## 6813 SPECIAL H/V RATIO ANTENNA

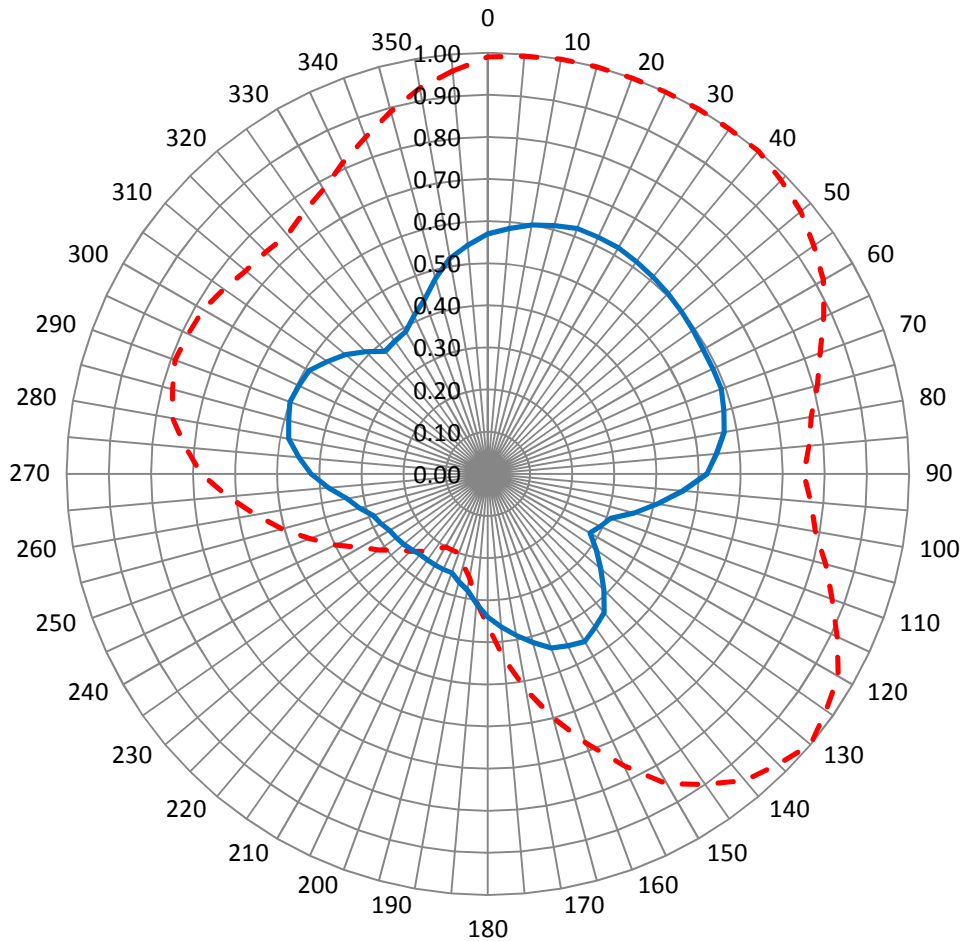
**VERTICAL RMS: 76.20%**

**HORIZONTAL RMS: 44.87%**

PATTERN NUMBER	6813-035
FREQUENCY:	LOW
ANTENNA AZIMUTH	30-DEGREES
TOWER	TSL-48
MOUNT STYLE	LEG MT
DISTANCE FROM TOWER	STD. MOUNT
MOUNT REMARKS:	MOUNTS ROTATED 30-DGRS CCW

**This is a custom 6813 Antenna  
Special Horizontal to Vertical Ratio**  
Contact Sales for design details & cost  
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 6813-035

**V-RMS** 76.20%  
**H-RMS** 44.87%

DEGREE	VERT	HORZ	DEGREE	VERT	HORZ	DEGREE	VERT	HORZ	DEGREE	VERT	HORZ
0	0.99	0.57	90	0.75	0.52	180	0.36	0.34	270	0.68	0.42
5	1.00	0.59	95	0.77	0.47	185	0.31	0.31	275	0.72	0.45
10	1.00	0.60	100	0.79	0.41	190	0.25	0.28	280	0.76	0.48
15	1.00	0.61	105	0.83	0.36	195	0.23	0.27	285	0.78	0.49
20	1.00	0.62	110	0.87	0.31	200	0.20	0.25	290	0.79	0.50
25	1.00	0.62	115	0.92	0.30	205	0.20	0.25	295	0.79	0.50
30	1.00	0.62	120	0.96	0.28	210	0.20	0.25	300	0.78	0.49
35	1.00	0.62	125	0.98	0.32	215	0.22	0.25	305	0.77	0.47
40	1.00	0.61	130	1.00	0.35	220	0.24	0.25	310	0.75	0.44
45	0.99	0.61	135	0.98	0.39	225	0.26	0.26	315	0.75	0.41
50	0.97	0.60	140	0.95	0.43	230	0.28	0.26	320	0.74	0.38
55	0.95	0.60	145	0.90	0.45	235	0.32	0.27	325	0.76	0.39
60	0.92	0.59	150	0.85	0.46	240	0.35	0.27	330	0.78	0.39
65	0.88	0.59	155	0.77	0.45	245	0.40	0.28	335	0.82	0.42
70	0.84	0.59	160	0.68	0.44	250	0.45	0.29	340	0.85	0.44
75	0.81	0.58	165	0.60	0.42	255	0.51	0.32	345	0.89	0.48
80	0.78	0.57	170	0.52	0.39	260	0.56	0.34	350	0.93	0.52
85	0.77	0.55	175	0.44	0.37	265	0.62	0.38	355	0.96	0.55