

SHIVELY LABS

5/18/2016 10:33

DATE: 18-May-16
SHOP ORDER: 62603
STATION: W270CP
FREQUENCY: 102.1
ANTENNA TYPE: 6025-SPECIAL

TOWER: 12-FT
MOUNT: SEE SKETCH
MOUNT REMARKS: N/A
A-DIMENSION INCHES: N/A

HORIZONTAL PARASITIC: N/A
B-DIMENSION: N/A
C-DIMENSION: N/A
PARASITIC LENGTH: N/A

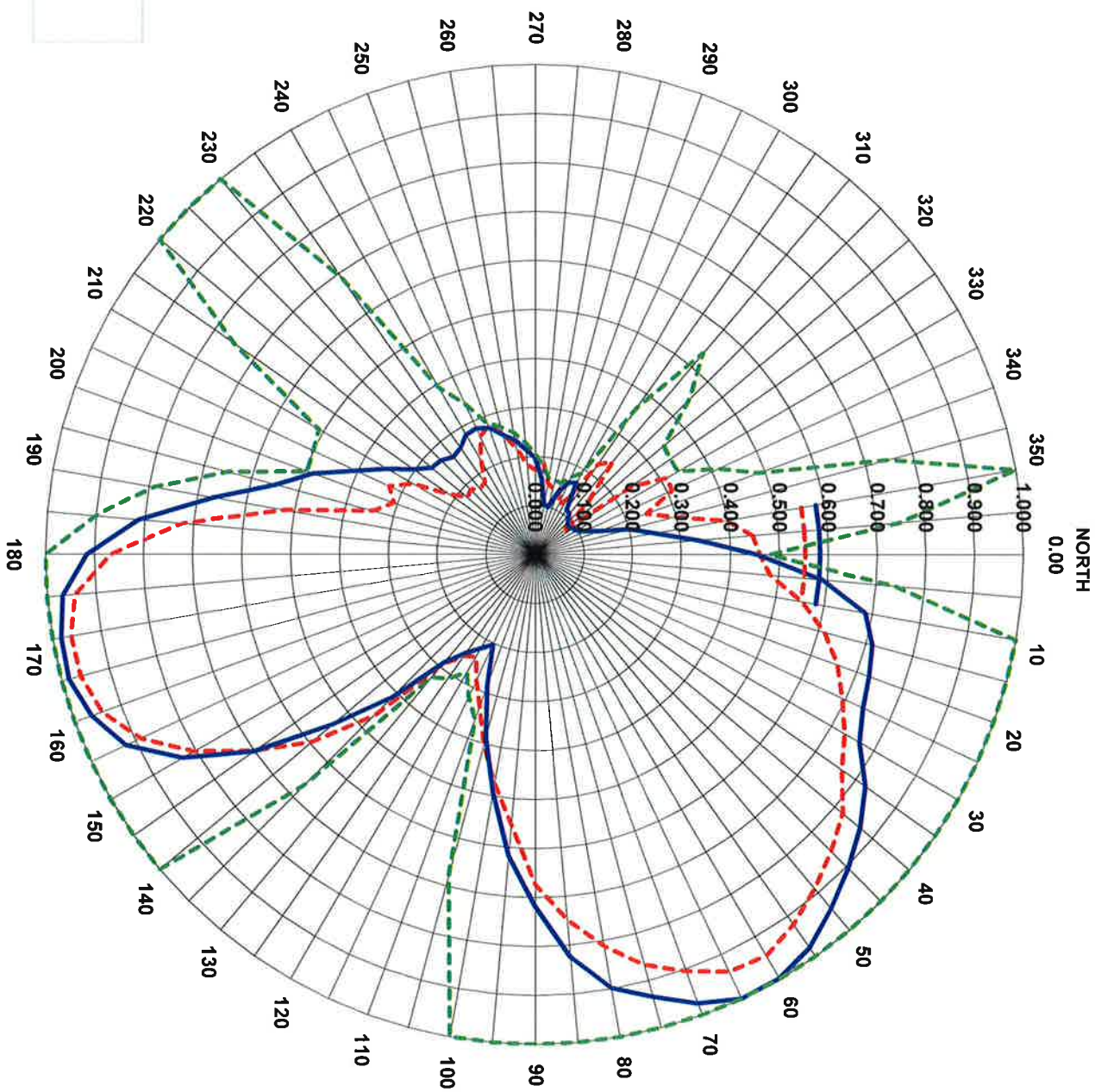
VERTICAL PARASITIC: N/A
D-DIMENSION: N/A
E-DIMENSION: N/A
F-DIMENSION: N/A
PARASITIC LENGTH: N/A

1st LEG AZIMUTH: 27-DEGREES
ANTENNA HEADING: 62 - 164 - 237 DEGRS
LADDER: INSIDE TOWER

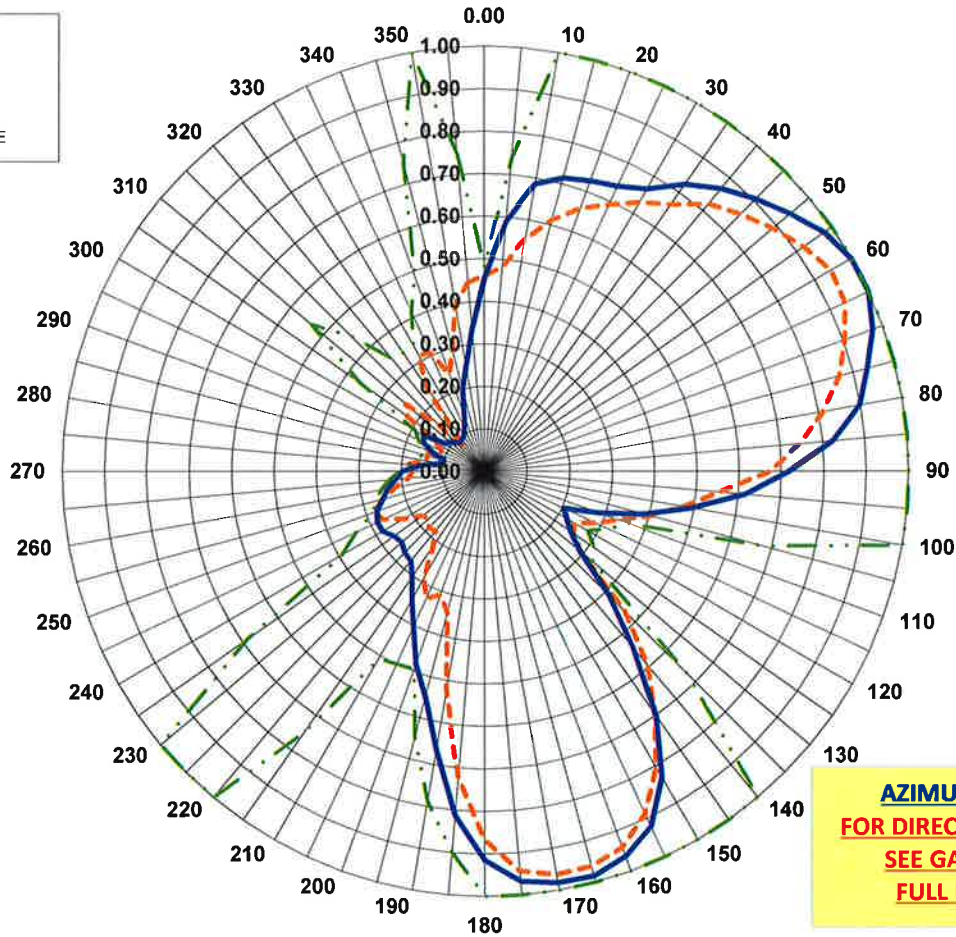
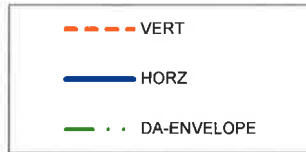
PATTERN NUMBER: 08-BB

VERTICAL RMS: 55.22%
HORIZONTAL RMS: 58.33%

SEE SKETCH FOR SETUP



SHIVELY LABS



AZIMUTH GAIN ONLY
FOR DIRECTIONAL ANTENNA
SEE GAIN SHEET FOR
FULL POWER GAIN

SHOP ORDER 62603
 STATION W270CP
 PATTERN 08-BB

V-RMS 55.22%
H-RMS 58.33%

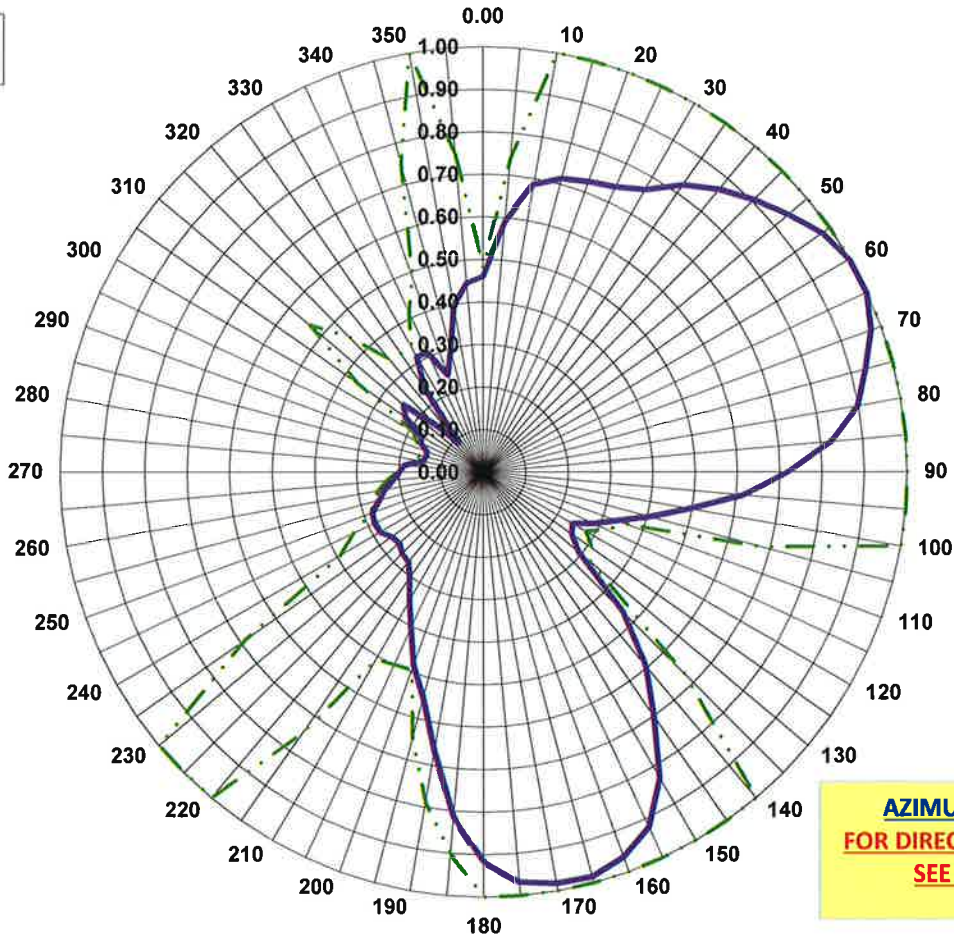
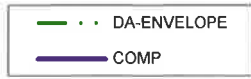
DA-RMS 75.56%
DA 85% 64.23%

COMP RMS 59.327%

HORZ AZIMUTH GAIN 2.939

DEGREE	VERT	HORZ	DEGREE	VERT	HORZ	DEGREE	VERT	HORZ	DEGREE	VERT	HORZ
0	0.460	0.455	90	0.674	0.719	180	0.866	0.915	270	0.173	0.198
5	0.482	0.590	95	0.556	0.618	185	0.721	0.812	275	0.187	0.155
10	0.554	0.686	100	0.475	0.493	190	0.521	0.667	280	0.147	0.104
15	0.612	0.714	105	0.404	0.387	195	0.343	0.549	285	0.139	0.100
20	0.658	0.727	110	0.333	0.285	200	0.308	0.483	290	0.142	0.134
25	0.693	0.740	115	0.285	0.203	205	0.329	0.404	295	0.112	0.162
30	0.730	0.766	120	0.242	0.221	210	0.289	0.349	300	0.130	0.169
35	0.765	0.824	125	0.253	0.245	215	0.214	0.303	305	0.224	0.112
40	0.820	0.867	130	0.292	0.287	220	0.181	0.275	310	0.246	0.109
45	0.855	0.905	135	0.465	0.411	225	0.187	0.271	315	0.154	0.095
50	0.889	0.942	140	0.595	0.539	230	0.175	0.260	320	0.071	0.089
55	0.921	0.979	145	0.698	0.701	235	0.180	0.265	325	0.242	0.093
60	0.945	0.999	150	0.805	0.831	240	0.222	0.282	330	0.313	0.098
65	0.939	1.000	155	0.889	0.921	245	0.266	0.284	335	0.309	0.112
70	0.905	0.975	160	0.941	0.963	250	0.280	0.275	340	0.243	0.141
75	0.867	0.934	165	0.961	0.985	255	0.254	0.253	345	0.295	0.201
80	0.812	0.898	170	0.962	0.982	260	0.217	0.237	350	0.397	0.251
85	0.748	0.824	175	0.943	0.968	265	0.183	0.215	355	0.446	0.336

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HORZ AZIMUTH GAIN 2.939

DEGREE	COMPOSITE	DEGREE	COMPOSITE	DEGREE	COMPOSITE	DEGREE	COMPOSITE
0	0.460	90	0.719	180	0.915	270	0.198
5	0.590	95	0.618	185	0.812	275	0.187
10	0.686	100	0.493	190	0.667	280	0.147
15	0.714	105	0.404	195	0.549	285	0.139
20	0.727	110	0.333	200	0.483	290	0.142
25	0.740	115	0.285	205	0.404	295	0.162
30	0.766	120	0.242	210	0.349	300	0.169
35	0.824	125	0.253	215	0.303	305	0.224
40	0.867	130	0.292	220	0.275	310	0.246
45	0.905	135	0.465	225	0.271	315	0.154
50	0.942	140	0.595	230	0.260	320	0.089
55	0.979	145	0.701	235	0.265	325	0.242
60	0.999	150	0.831	240	0.282	330	0.313
65	1.000	155	0.921	245	0.284	335	0.309
70	0.975	160	0.963	250	0.280	340	0.243
75	0.934	165	0.985	255	0.254	345	0.295
80	0.898	170	0.982	260	0.237	350	0.397
85	0.824	175	0.968	265	0.215	355	0.446

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MAY 18, 2016
SHOP ORDER: 62603
FREQUENCY: 102.1
SETUP FOR : W270CP

PRELIMINARY DRAWING
NOT TO SCALE
DRAWING FOR PATTERN
SHIVELY-08-BB



12-FT FACE TOWER
1-ST LEG 27-DEGREES

6025 AZIMUTH
62-DEGREES
ROTATION 52-DEGREES
0-dB ATTENUATION

6025 AZIMUTH
237-DEGREES
ROTATION 52-DEGREES
12-dB ATTENUATION

2 (6025'S) SPACED 60-INCHES APART
AZIMUTH 164-DEGREES
ROTATION 52-DEGREES
5-dB ATTENUATION EACH

4-WAY UNEQUAL POWER SPLIT
EQUAL PHASING
PORT (ANTENNA)
'A' 0-dB ATTENUATION
'B' 5-dB ATTENUATION
'C' 5-dB ATTENUATION
'D' 12-dB ATTENUATION

