DIELECTRIC

VERTICAL PATTERN

ANT. TYPE ______

CHANNEL ______ STATION ______

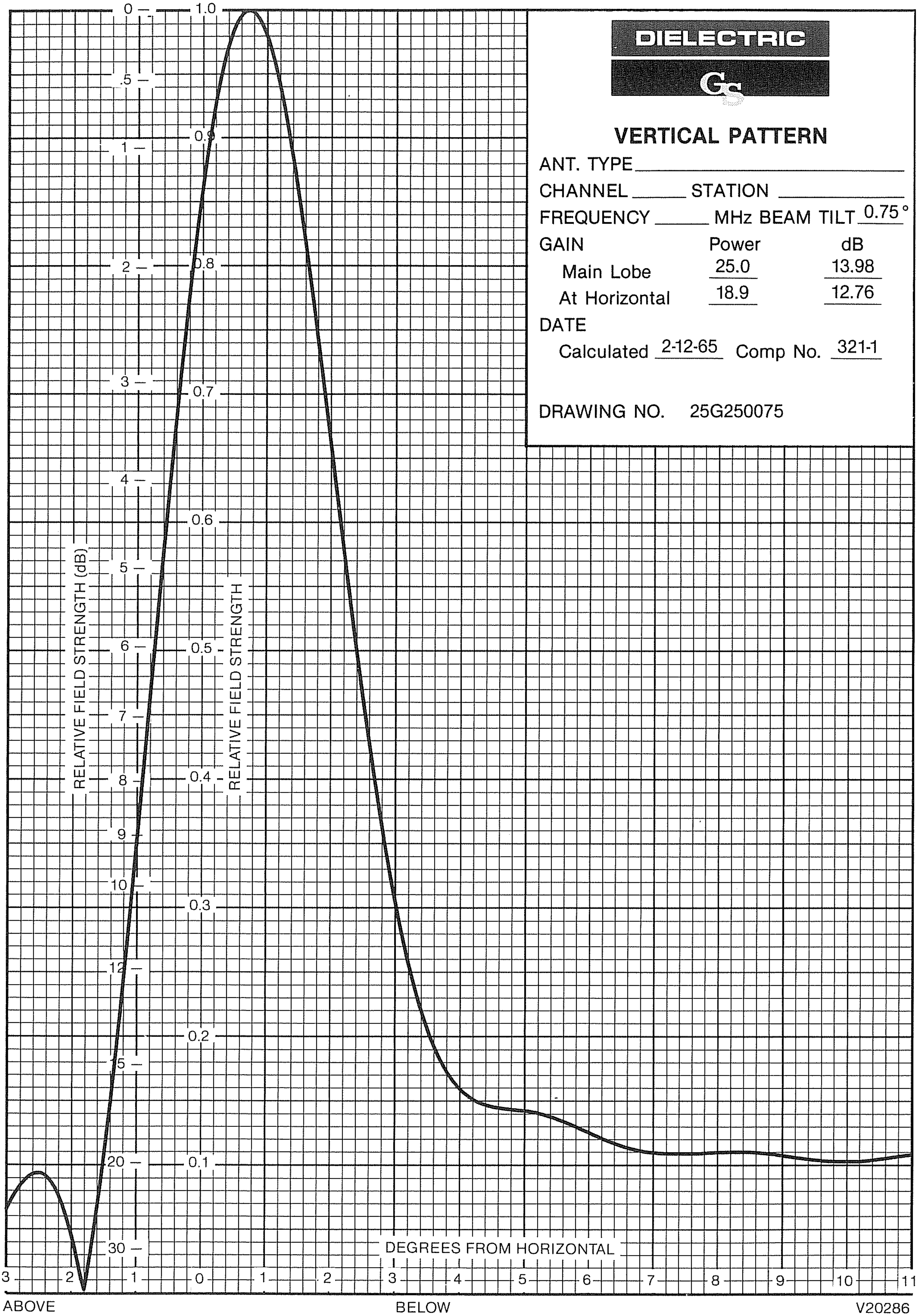
FREQUENCY ______ MHz BEAM TILT 0.75°

GAIN	Power	dB
Main Lobe	25.0	13.98
At Horizontal	18.9	12.76

DATE

Calculated 2-12-65 Comp No. 321-1

DRAWING NO. 25G250075



TABULATED DATA FOR VERTICAL PATTERN
Drawing No. 25G250075

−10° to −3°
In 0.5° Increments

Elev Angle°	Relative Field	dB
−10.0	.016	−35.82
−9.5	.015	−36.55
−9.0	.002	−53.22
−8.5	.014	−37.10
−8.0	.022	−33.21
−7.5	.014	−36.99
−7.0	.006	−44.44
−6.5	.025	−31.93
−6.0	.029	−30.89
−5.5	.009	−40.55
−5.0	.023	−32.94
−4.5	.045	−26.92
−4.0	.037	−28.75
−3.5	.008	−42.27
−3.0	.066	−23.64

−3° to +11°
In 0.2° Increments

Elev Angle°	Relative Field	dB
−3.0	.066	−23.64
−2.4	.092	−20.77
−1.8	.002	−52.85
−1.2	.240	−12.41
−.6	.562	−5.01
.0	.851	−1.40
.6	.994	−.05
1.2	.947	−.47
1.8	.752	−2.47
2.4	.508	−5.88
3.0	.307	−10.25
3.6	.192	−14.32
4.2	.150	−16.47
4.8	.142	−16.94
5.4	.136	−17.30
6.0	.124	−18.12
6.6	.112	−18.99
7.2	.108	−19.35
7.8	.109	−19.26
8.4	.109	−19.23
9.0	.106	−19.49
9.6	.102	−19.81
10.2	.102	−19.80
10.8	.106	−19.47
−2.8	.083	−21.58
−2.2	.076	−22.35
−1.6	.067	−23.53
−1.0	.343	−9.30
−.4	.668	−3.50
.2	.919	−.73
.8	.999	−.01
1.4	.894	−.97
2.0	.671	−3.47
2.6	.433	−7.27
3.2	.259	−11.73
3.8	.172	−15.30
4.4	.146	−16.73
5.0	.141	−17.02
5.6	.133	−17.53
6.2	.120	−18.44
6.8	.110	−19.18
7.4	.108	−19.35
8.0	.109	−19.22
8.6	.109	−19.29
9.2	.105	−19.61
9.8	.102	−19.85
10.4	.103	−19.70
11.0	.108	−19.36
−2.6	.093	−20.63
−2.0	.045	−26.86
−1.4	.147	−16.68
−.8	.452	−6.90
−.2	.766	−2.31
.4	.967	−.29
1.0	.983	−.15
1.6	.828	−1.64
2.2	.588	−4.61
2.8	.366	−8.74
3.4	.221	−13.12
4.0	.158	−16.01
4.6	.143	−16.86
5.2	.139	−17.13
5.8	.129	−17.81
6.4	.116	−18.74
7.0	.108	−19.30
7.6	.108	−19.31
8.2	.110	−19.21
8.8	.107	−19.38
9.4	.103	−19.73
10.0	.102	−19.85
10.6	.105	−19.59

+11° to +90°
In 0.5° Increments

Elev Angle°	Relative Field	dB
11.0	.108	−19.36
11.5	.108	−19.29
12.0	.104	−19.65
12.5	.095	−20.42
13.0	.085	−21.37
13.5	.079	−22.10
14.0	.077	−22.32
14.5	.078	−22.13
15.0	.080	−21.97
15.5	.078	−22.21
16.0	.071	−23.03
16.5	.061	−24.35
17.0	.051	−25.84
17.5	.044	−27.07
18.0	.040	−27.89
18.5	.037	−28.72
19.0	.030	−30.34
19.5	.020	−33.79
20.0	.008	−41.65
20.5	.002	−52.13
21.0	.008	−41.69
21.5	.008	−42.37
22.0	.002	−52.80
22.5	.004	−48.13
23.0	.007	−42.81
23.5	.006	−44.57
24.0	.001	−59.55
24.5	.004	−47.47
25.0	.007	−43.36
25.5	.005	−45.63
26.0	.001	−63.81
26.5	.004	−47.57
27.0	.006	−43.81
27.5	.005	−46.15
28.0	.001	−64.37
28.5	.004	−47.98
29.0	.006	−44.07
29.5	.005	−46.04
30.0	.001	−60.39
30.5	.004	−48.95
31.0	.006	−44.27
31.5	.005	−45.43
32.0	.002	−55.21
32.5	.003	−51.10
33.0	.006	−44.68
33.5	.006	−44.63
34.0	.003	−50.76
34.5	.002	−56.32
35.0	.005	−45.70
35.5	.006	−44.03
36.0	.004	−47.29
36.5	.000	−70.96
37.0	.004	−48.23
37.5	.006	−44.15
38.0	.006	−45.00
38.5	.002	−52.22
39.0	.002	−54.61
39.5	.005	−45.42
40.0	.007	−43.74
40.5	.005	−46.34
41.0	.001	−59.62
41.5	.003	−49.90
42.0	.006	−44.24
42.5	.007	−43.65
43.0	.004	−47.26
43.5	.000	−69.14
44.0	.004	−48.38
44.5	.007	−43.70
45.0	.007	−43.37
45.5	.004	−46.97
46.0	.000	−66.25
46.5	.004	−48.53
47.0	.007	−43.48
47.5	.007	−42.67
48.0	.005	−45.22
48.5	.002	−55.30
49.0	.003	−51.43
49.5	.006	−44.02
50.0	.008	−41.98
50.5	.007	−42.88
51.0	.004	−47.57
51.5	.000	−78.09
52.0	.004	−46.98
52.5	.008	−42.37
53.0	.009	−41.25
53.5	.007	−42.71
54.0	.004	−48.04
54.5	.001	−65.39
55.0	.005	−45.99
55.5	.008	−41.56
56.0	.010	−40.24
56.5	.009	−41.10
57.0	.006	−44.74
57.5	.001	−57.28
58.0	.003	−49.13
58.5	.008	−42.21
59.0	.011	−39.57
59.5	.011	−39.02
60.0	.010	−40.29
60.5	.006	−44.14
61.0	.001	−56.74
61.5	.004	−48.54
62.0	.008	−41.45
62.5	.012	−38.47
63.0	.014	−37.38
63.5	.013	−37.71
64.0	.010	−39.62
64.5	.006	−44.18
65.0	.001	−61.67
65.5	.005	−46.20
66.0	.010	−39.80
66.5	.014	−36.78
67.0	.017	−35.33
67.5	.018	−34.98
68.0	.016	−35.66
68.5	.013	−37.58
69.0	.008	−41.58
69.5	.002	−52.73
70.0	.004	−47.29
70.5	.011	−39.20
71.0	.017	−35.36
71.5	.022	−33.11
72.0	.026	−31.81
72.5	.028	−31.21
73.0	.027	−31.22
73.5	.025	−31.87
74.0	.022	−33.29
74.5	.016	−35.83
75.0	.009	−40.70
75.5	.001	−58.59
76.0	.008	−42.30
76.5	.017	−35.40
77.0	.026	−31.56
77.5	.036	−28.94
78.0	.045	−27.02
78.5	.053	−25.56
79.0	.060	−24.42
79.5	.066	−23.55
80.0	.072	−22.89
80.5	.076	−22.40
81.0	.079	−22.06
81.5	.081	−21.86
82.0	.081	−21.78
82.5	.081	−21.82
83.0	.080	−21.96
83.5	.078	−22.21
84.0	.074	−22.57
84.5	.071	−23.03
85.0	.066	−23.60
85.5	.061	−24.30
86.0	.055	−25.14
86.5	.049	−26.14
87.0	.043	−27.35
87.5	.036	−28.83
88.0	.029	−30.68
88.5	.022	−33.12
89.0	.015	−36.60
89.5	.007	−42.59
90.0	.000	−80.00