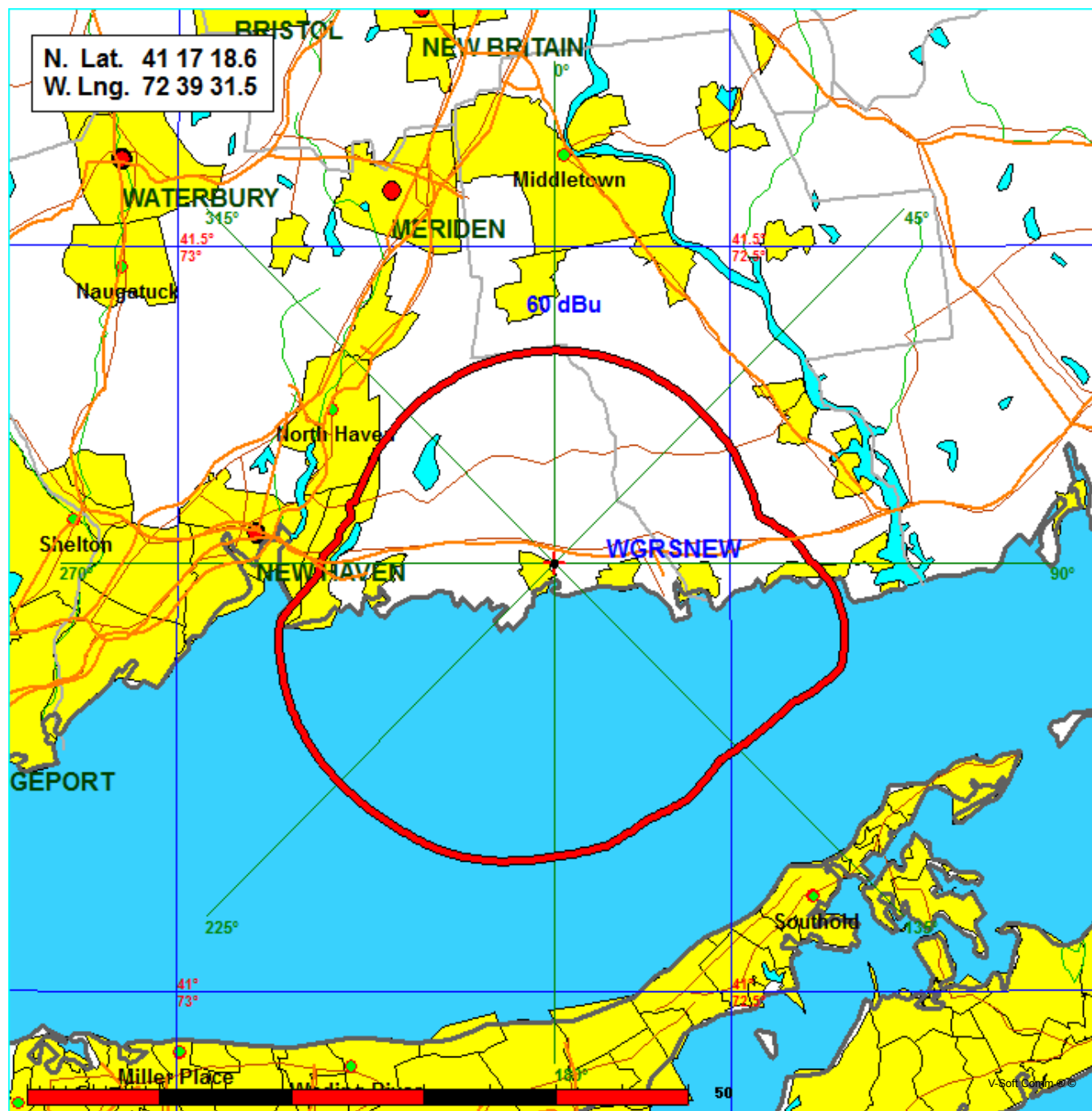
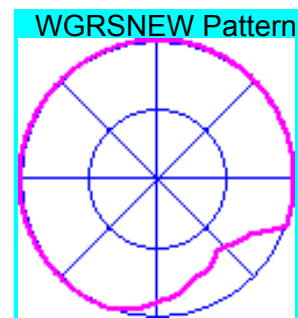


WGRSNew Community Coverage
Town Of Monroe, Connecticut

Coverage Study - FCC NGDC 30 Sec
04-24-2012

WGRSNEW CH218 A , 6.0 kW, 30.1M HAAT, 64.6M COR AMSL
Service Contour = 60 dBu. Population = 121,357



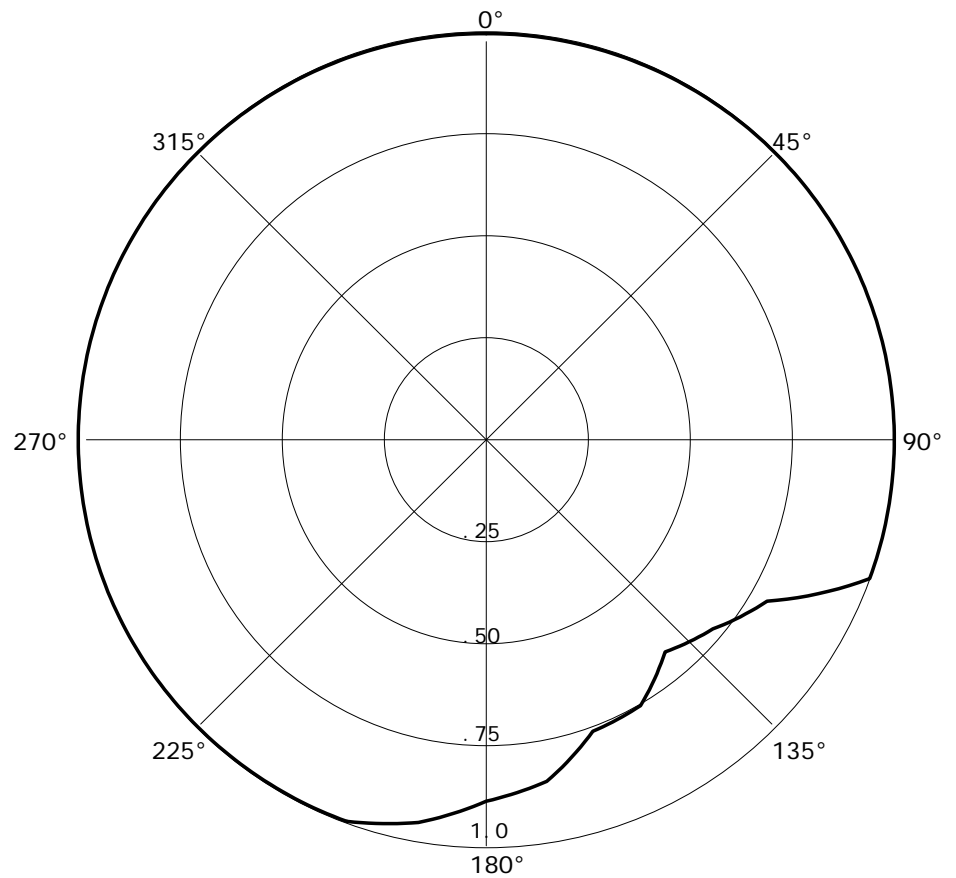
N. Lat. = 411718.6 W. Lng. = 723931.5
 HAAT and Distance to Contour,
 FCC, FM 2-10 Mi, 51 pts Method - FCC 30 SEC
 WGRS New - Distance to 60 dBu Contour

| Azi. | AV EL | HAAT | ERP kW | dBk | Field | 60-F5 |
|------|-------|-------|--------|------|-------|-------|
| 000 | 91.4 | -26.8 | 6.0000 | 7.78 | 1.000 | 15.75 |
| 045 | 75.7 | -11.1 | 6.0000 | 7.78 | 1.000 | 15.75 |
| 090 | 19.6 | 45.0 | 6.0000 | 7.78 | 1.000 | 19.47 |
| 135 | 0.0 | 64.6 | 2.9695 | 4.73 | 0.703 | 19.58 |
| 180 | 0.0 | 64.6 | 4.7526 | 6.77 | 0.890 | 21.94 |
| 225 | 0.1 | 64.5 | 6.0000 | 7.78 | 1.000 | 23.15 |
| 270 | 26.9 | 37.7 | 6.0000 | 7.78 | 1.000 | 17.71 |
| 315 | 62.7 | 1.9 | 6.0000 | 7.78 | 1.000 | 15.75 |

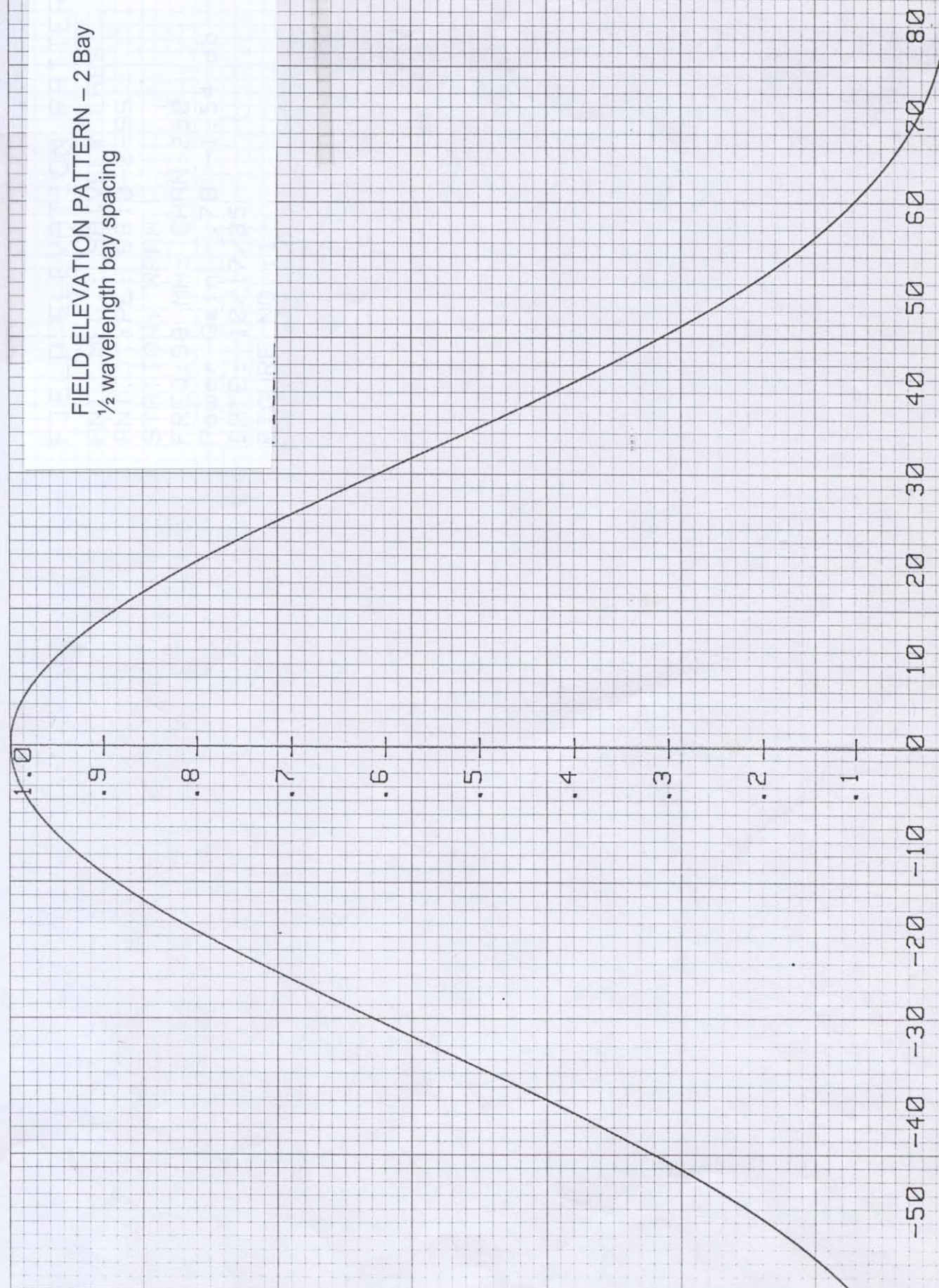
Ave El= 34.54 M HAAT= 30.06 M AMSL= 64.6

Graph is Relative Field

| Azi | Field | dBk | kW |
|-----|-------|--------|-------|
| 000 | 1.000 | 07.782 | 6.000 |
| 010 | 1.000 | 07.782 | 6.000 |
| 020 | 1.000 | 07.782 | 6.000 |
| 030 | 1.000 | 07.782 | 6.000 |
| 040 | 1.000 | 07.782 | 6.000 |
| 050 | 1.000 | 07.782 | 6.000 |
| 060 | 1.000 | 07.782 | 6.000 |
| 070 | 1.000 | 07.782 | 6.000 |
| 080 | 1.000 | 07.782 | 6.000 |
| 090 | 1.000 | 07.782 | 6.000 |
| 100 | 1.000 | 07.782 | 6.000 |
| 110 | 1.000 | 07.782 | 6.000 |
| 120 | 0.795 | 05.789 | 3.792 |
| 130 | 0.725 | 04.988 | 3.154 |
| 140 | 0.682 | 04.457 | 2.791 |
| 150 | 0.756 | 05.352 | 3.429 |
| 160 | 0.764 | 05.443 | 3.502 |
| 170 | 0.854 | 06.411 | 4.376 |
| 180 | 0.890 | 06.769 | 4.753 |
| 190 | 0.957 | 07.400 | 5.495 |
| 200 | 1.000 | 07.782 | 6.000 |
| 210 | 1.000 | 07.782 | 6.000 |
| 220 | 1.000 | 07.782 | 6.000 |
| 230 | 1.000 | 07.782 | 6.000 |
| 240 | 1.000 | 07.782 | 6.000 |
| 250 | 1.000 | 07.782 | 6.000 |
| 260 | 1.000 | 07.782 | 6.000 |
| 270 | 1.000 | 07.782 | 6.000 |
| 280 | 1.000 | 07.782 | 6.000 |
| 290 | 1.000 | 07.782 | 6.000 |
| 300 | 1.000 | 07.782 | 6.000 |
| 310 | 1.000 | 07.782 | 6.000 |
| 320 | 1.000 | 07.782 | 6.000 |
| 330 | 1.000 | 07.782 | 6.000 |
| 340 | 1.000 | 07.782 | 6.000 |
| 350 | 1.000 | 07.782 | 6.000 |



FIELD ELEVATION PATTERN - 2 Bay
1/2 wavelength bay spacing



Directional Antenna

The proposed custom directional antenna pattern meets the Commission's rules in that the radio frequency emission does not change more than two dB for each ten degrees of azimuthal variation. Also, the maximum pattern attenuation in the deepest null is less than 15 dB. The pattern shown is a composite of the maximum field values in the horizontal and vertical planes.

The proposed panel antenna will be mounted on three sides of a tower as specified by the antenna manufacturer in accordance with the instructions provided by the manufacturer. The antenna will not be mounted on the top of a tower that includes a top mounted platform larger than the nominal cross-sectional area of the tower in the horizontal plane. No other antennas of any type will be mounted at the same tower level as the directional antenna nor within the horizontal or vertical distance specified by the manufacturer as being necessary to maintain proper directional operation. The antenna will be designed and tested by a major manufacturer of broadcast antennas known to the Commission. The pattern will be achieved through traditional methods including power-splitting, resonators and phasing.