

TECHNICAL EXHIBIT
APPLICATION FOR FM CONSTRUCTION PERMIT
RADIO STATION WBLI (FM)
PATCHOGUE, NEW YORK

AUGUST 8, 2008

CH 291B 49 KW (MAX-DA) 152 M

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Technical Narrative

The technical exhibit of which this narrative is part was prepared to support an application for construction permit to WBLI(FM) on Channel 291B assigned to Patchogue, New York. While this application seeks to maintain the exact pattern directional antenna pattern envelope, radiation center, and transmitter site location as the presently licensed facility, the effective radiated power in the vertical polarization is proposed to be increased to that of the licensed horizontal polarization effective radiated power, 49 kilowatts. No other changes are proposed.

The proposal would not be subject to environmental processing in accordance with Section 1.1306. It is believed that this proposal conforms with all applicable rules and regulations of the FCC.

Proposed Facilities

The proposed transmitting facility will continue to operate at its present transmitter site on Channel 291B with a maximum effective radiated power (ERP) of 49 kW (circular polarization) and an antenna height above average terrain (HAAT) of 152 meters. It is proposed to continue to employ a directional antenna mounted on an existing tower. A tower sketch is provided as Figure 1.

Predicted Coverage Contours

The predicted coverage contours were calculated in accordance with Section 73.313 of the FCC Rules. The average terrain elevations from 3 to 16 km from the proposed site were computed using the U.G.D.C. 30-second terrain database. The distances to the predicted coverage contours were determined using the average elevations of 3-16 km portions of radials spaced every 10-degrees of azimuth. The antenna radiation center HAAT in each radial direction and the ERP were used in conjunction with the propagation prediction curves of Section 73.333 to determine the distances to contours.

Figure 3 is a map showing the predicted coverage contours. As indicated in Figure 3, the normally predicted 70 dBu contour entirely encompasses the community of Patchogue, New York. The city limits shown for Patchogue, New York were obtained from the 2000 U.S. Census.

Allocation Considerations

Figure 2 is an allocation study for channel 291B at Patchogue, New York for the proposed facility transmitter site. As shown on Figure 2, the proposed facility meets the separation requirements of 47 CFR 73.207 with respect to all pertinent allotments and assignments with the exception of the following: WCAA on Channel 290B1, Newark, New Jersey; WHCN(FM) on Channel 290B, Hartford, Connecticut; WISX(FM) on Channel 291B at Philadelphia, Pennsylvania; WFAF(FM) on Channel 292A, Mount Kisco, New York and WHTG-FM on Channel 292A at Eatontown, New Jersey.

For a complete discussion of the specific allocation classification to each short-spaced station, see the previous WBLI(FM) application for construction permit, FCC File Number 19930813IA.

It is noted that no change in the horizontal maximum effective radiated power of 49 kilowatts or the proposed radiation pattern envelope is proposed. Therefore, there is no change to the allocation environment to any of the short-spaced stations.

Groundlevel Radiofrequency Electromagnetic Considerations

The proposed WBLI(FM) facilities were evaluated in terms of potential radio frequency (RF) energy exposure at ground level to workers and the general public. The radiation center for the proposed antenna is located 96 meters above ground level. The total ERP (horizontal & vertical polarizations) is 98 kW. The calculated power density at a point two meters above ground level for the

proposed facility, with an ERI 0.5 wavelength, MP-4AC-DA-HW directional antenna with a downward relative field value of 0.2, will not exceed 0.013 mW/cm². This is six percent of the FCC's recommended limit of 0.2 mW/cm² for FM frequencies for an "uncontrolled" environment. The Appendix contains the vertical pattern specification. Consideration of the emissions from the other nearby broadcast stations, WUSB(FM) on Channel 211B1 assigned to Stony Brook, New York and WALK-FM on Channel 248B assigned to Patchogue, New York, indicates the cumulative ground level radiofrequency exposure will not exceed the Commission's uncontrolled environment standard.

When it becomes necessary for workers to ascend the tower, appropriate measures, such as reduction or shut down of power if necessary, shall be taken to ensure that the human exposure to radiofrequency electromagnetic will not exceed the FCC guidelines.

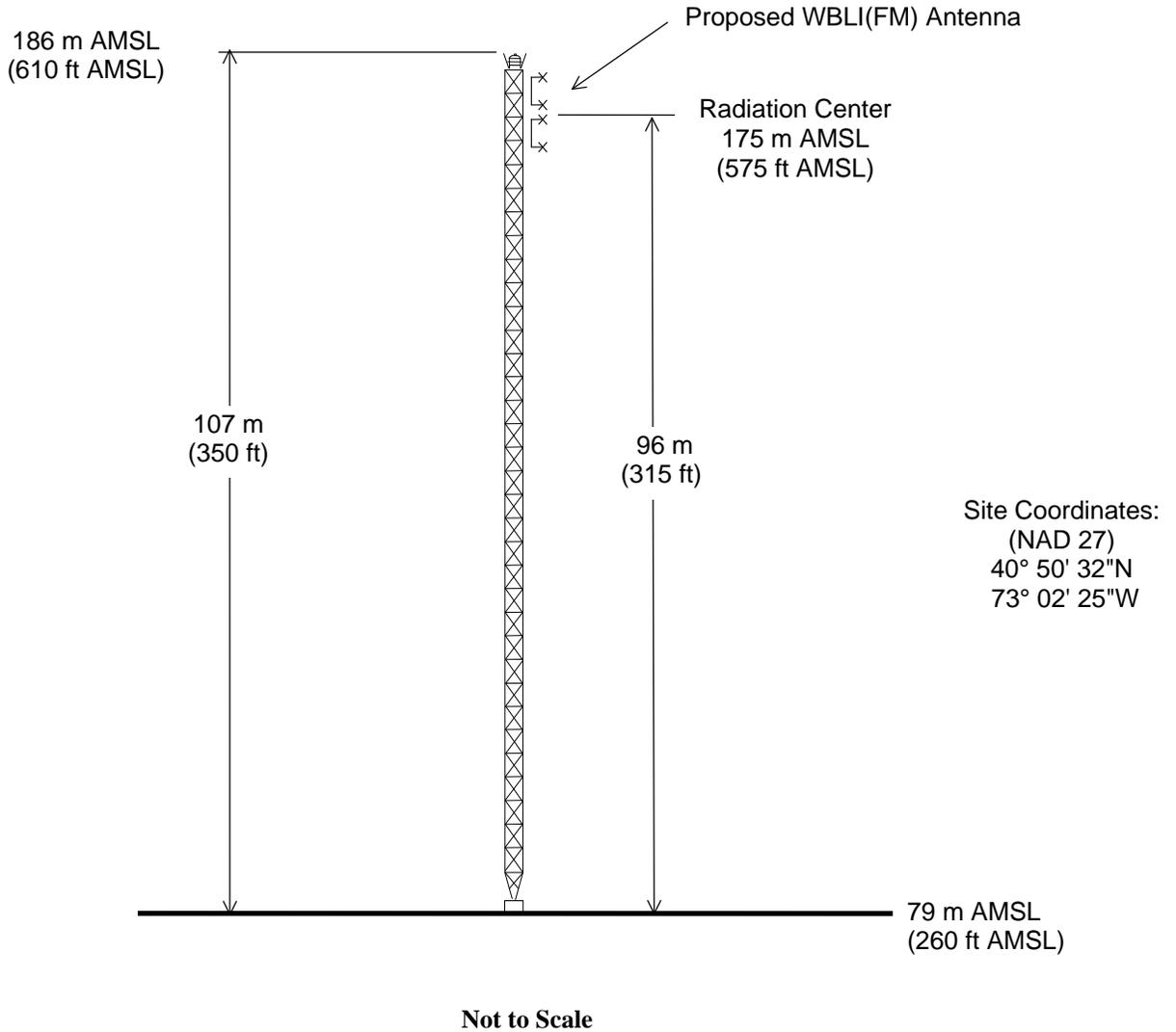
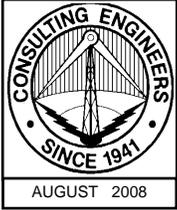
It is noted that this statement only addresses the potential for radiofrequency electromagnetic field exposure. All other aspects of the environmental processing analysis will be or already have been provided to the FCC by the tower owner as part of the tower registration process.

Charles A. Cooper

August 8, 2008

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ANTENNA AND SUPPORTING STRUCTURE

RADIO STATION WBLI(FM)

PATCHOGUE, NEW YORK

CH 291B 49 KW (MAX-DA) 152 M

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

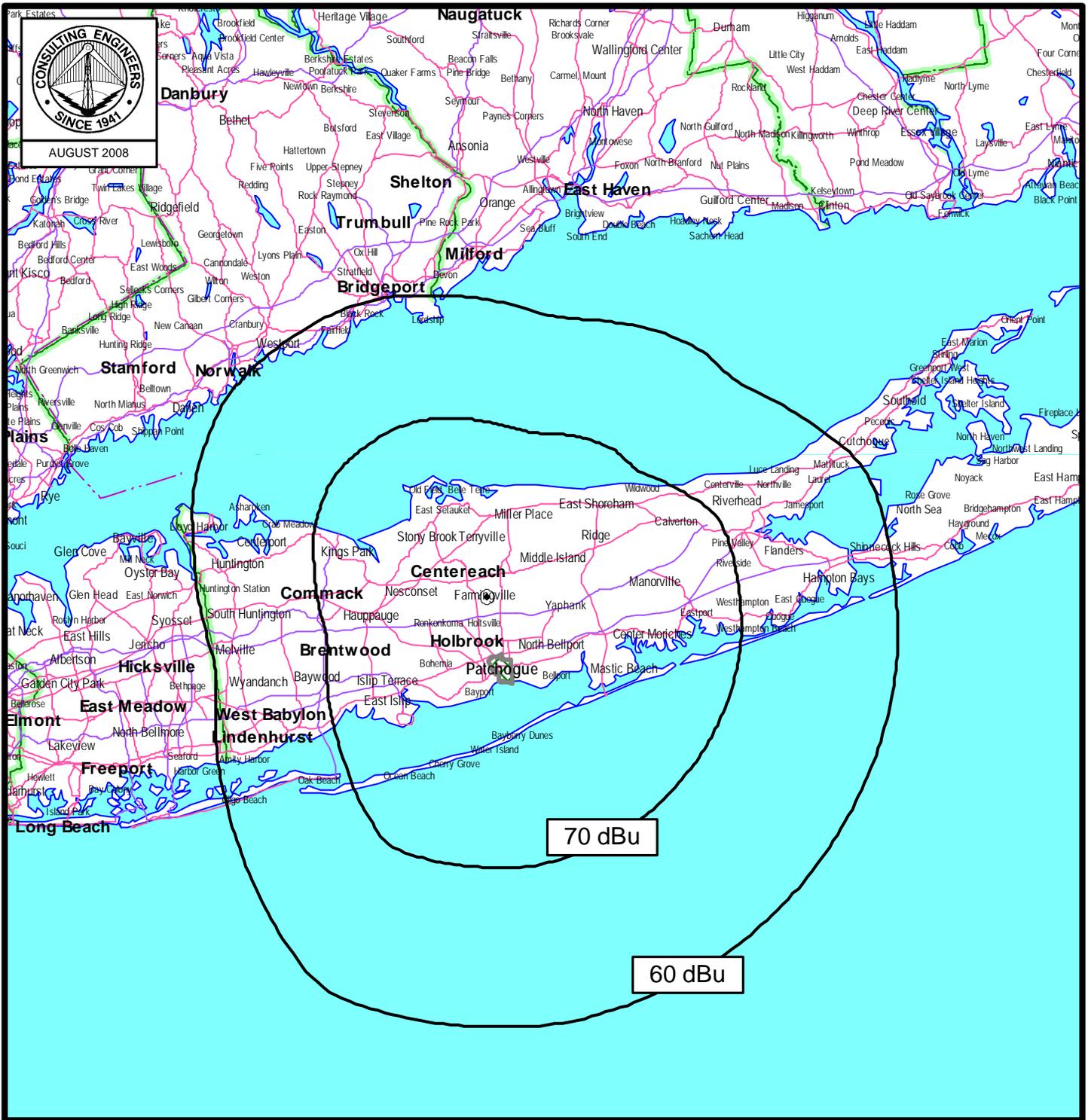
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Proposed Transmitter Site Allocation Study

40° 50' 32" North Latitude
 073° 02' 25" West Longitude

Call Id	City St	File Status Num	Channel Freq	ERP HAAT	DA Id	Latitude Longitude	73 215	Bear	Dist. (km)	Req. min
WDBY 67815	PATTERSON NY LIC C	BLH 19930420KG	288A 105.5	0.9 186	N	41-31-18 073-38-06	N	326.8	90.46	69.0
WCAA 46978	NEWARK NJ LIC C	BLH 19970327KA	290B1 105.9	0.61 373	N	40-44-54 073-59-10	N	262.8	80.50	145.0
<i>(Processing pursuant to Section 73.213(a) requested. See Technical Exhibit.)</i>										
WHCN 72144	HARTFORD CT LIC C	BLH 19890323KA	290B 105.9	16 264	Y	41-33-47 072-50-42	N	11.5	81.71	169.0
<i>(Processing pursuant to Section 73.213(a) requested. See Technical Exhibit.)</i>										
WBLI 37235	PATCHOGUE NY LIC C	BMLH 20030521AEF	291B 106.1	49 152	Y	40-50-32 073-02-25	N	94.6		
<i>(Applicant's presently licensed facility.)</i>										
WPDA 3655	JEFFERSONVI NY LIC C	BLH 19930203KD	291A 106.1	1.6 191	N	41-48-57 074-45-42	N	307.6	180.17	178.0
WISX 53973	PHILADELPHI PA LIC C	BMLH 19850405KC	291B 106.1	22.5 226	N	40-04-58 075-10-54	N	245.7	200.25	241.0
<i>(Processing pursuant to Section 73.213(a) requested. See Technical Exhibit.)</i>										
WCOD-FM 29568	HYANNIS MA LIC C	BMLH 19990830AAR	291B 106.1	50 131	N	41-43-46 070-10-01	N	66.7	260.09	241.0
WFAF 70274	MOUNT KISCO NY LIC C	BLH 20061030ANH	292A 106.3	0.98 135	N	41-11-09 073-40-41	N	305.7	65.84	113.0
<i>(Processing pursuant to Section 73.213(a) requested. See Technical Exhibit.)</i>										
WHTG-FM 72324	EATONTOWN NJ LIC C	BMLH 20060524ABV	292A 106.3	1.1 161	N	40-16-41 074-04-51	Y	234.8	108.13	113.0
<i>(Processing pursuant to Section 73.213(c)(1) requested. See Technical Exhibit.)</i>										
WLTW 56571	NEW YORK NY LIC C	BLH 19940203KA	294B 106.7	6 415	N	40-44-54 073-59-10	N	262.8	80.50	74.0

Figure 3



PREDICTED COVERAGE CONTOURS

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du Treil, Lundin & Rackley, Inc Sarasota, Florida

APPENDIX

DIRECTIONAL ANTENNA VERTICAL PLANE PATTERN

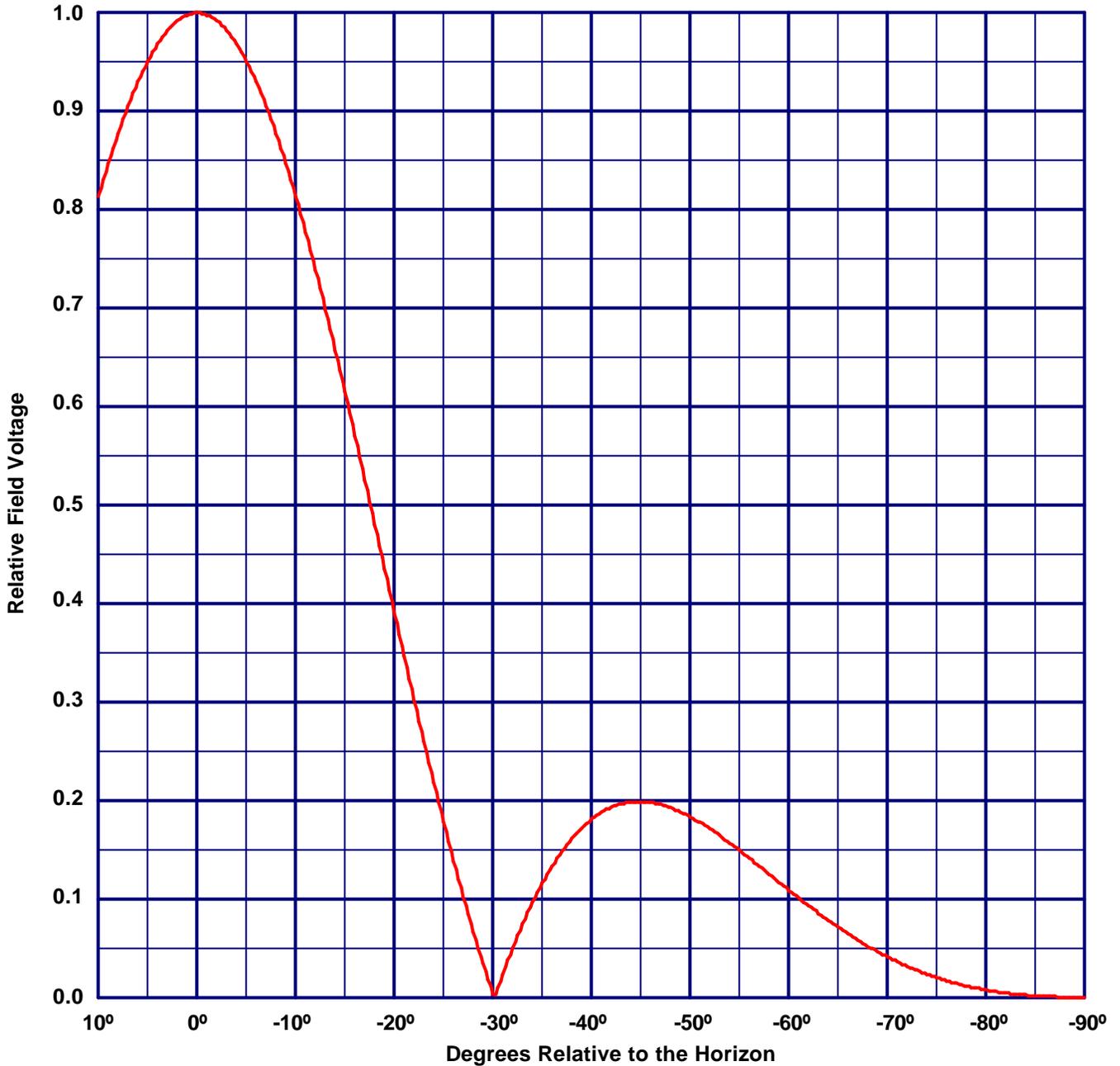


Vertical Plane Relative Field Pattern

WBLI, Patchogue, NY, 106.1 MHz

Figure#: 3 Date: 5/9/2008

A 4 level, .5 wave-length spaced MP-4AC-DA-HW directional antenna with 0° beam tilt, 0% null fill and a H/V maximum power ratio of 1.000



Vertical Polarization Gain:
Maximum: 3.053 (4.847 dB)
Horizontal Plane: 3.053 (4.847 dB)

Horizontal Polarization Gain:
Maximum: 3.053 (4.847 dB)
Horizontal Plane: 3.053 (4.847 dB)