

JULY 2002



**ANTENNA THEORETICAL HORIZONTAL  
RADIATION PATTERN**

---

Prepared for  
**KTVU PARTNERSHIP**

---

STATION KRXI-DT RENO, NEVADA  
CH 44 1000 KW (MAX-DA, BT) 836 METERS

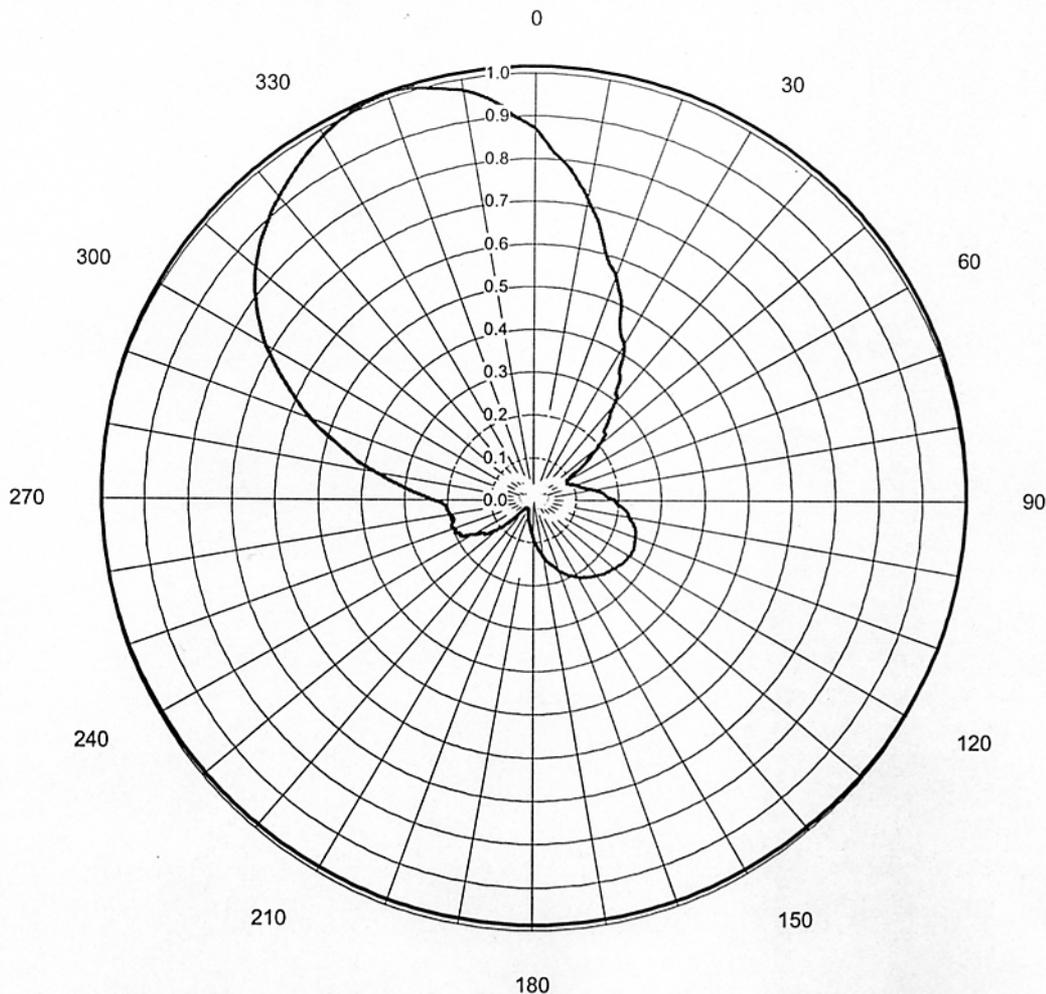
---

Denny & Associates, P.C. Consulting Engineers

**AZIMUTH PATTERN:**

Gain **4.53** (6.56 dB)  
Calculated / Measured **Calculated**

Frequency **653.00 MHz**  
Drawing # **DSB-J-0000**



Mech. Tilt: 1.5  
@  
Azimuth: 140 deg

JULY 2002



ANTENNA THEORETICAL RADIATION PATTERN  
AT 1.5 DEGREE DEPRESSION ANGLE

---

Prepared for  
KTVU PARTNERSHIP

---

STATION KRXI-DT RENO, NEVADA  
CH 44 1000 KW (MAX-DA, BT) 836 METERS

---

Denny & Associates, P.C. Consulting Engineers

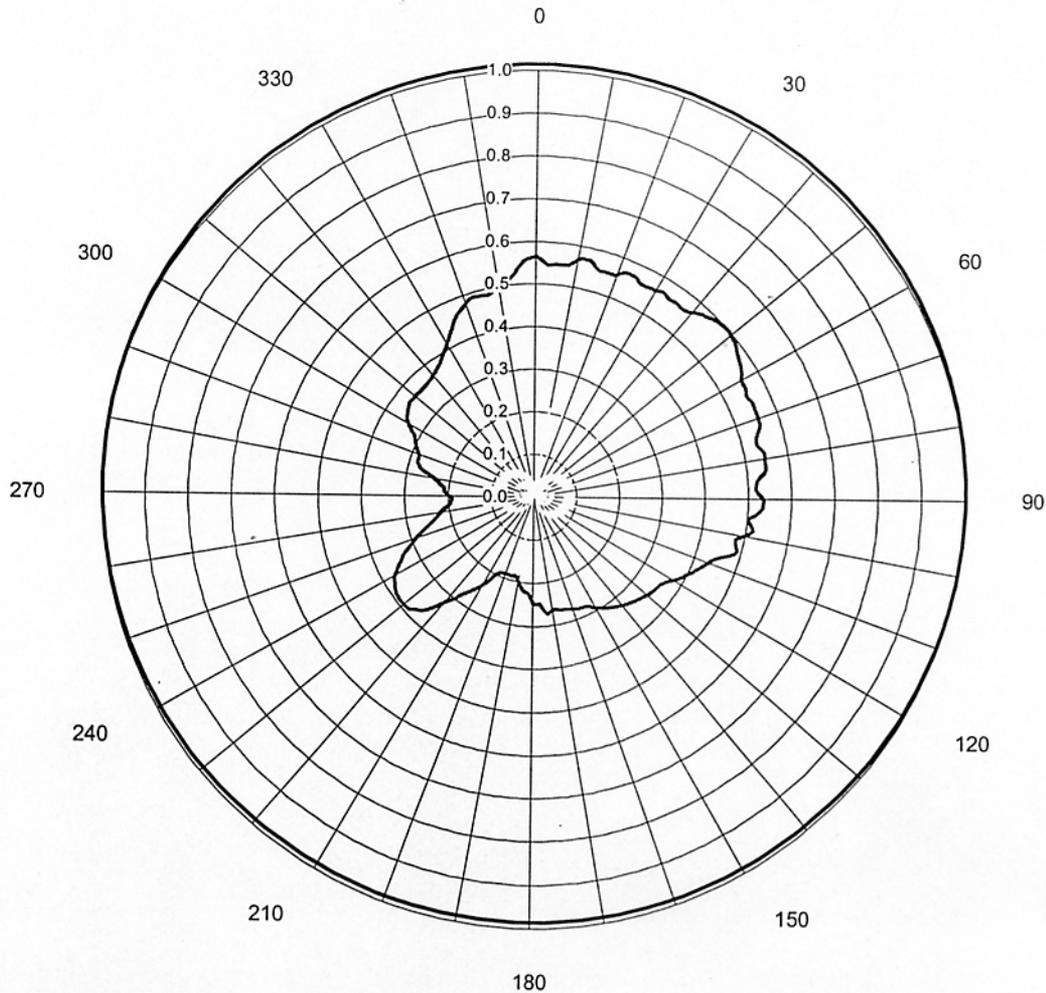
**AZIMUTH PATTERN:**

Gain 5.91  
Calculated / Measured

(7.72 dB)  
Calculated

Frequency  
Drawing #

653.00 MHz  
DSB-J-0000



Mech. Tilt: 1.5  
@  
Azimuth: 140 deg

JULY 2002



ANTENNA THEORETICAL RADIATION PATTERN  
AT 3 DEGREE DEPRESSION ANGLE

---

Prepared for  
KTVU PARTNERSHIP

---

STATION KRXI-DT RENO, NEVADA  
CH 44 1000 KW (MAX-DA, BT) 836 METERS

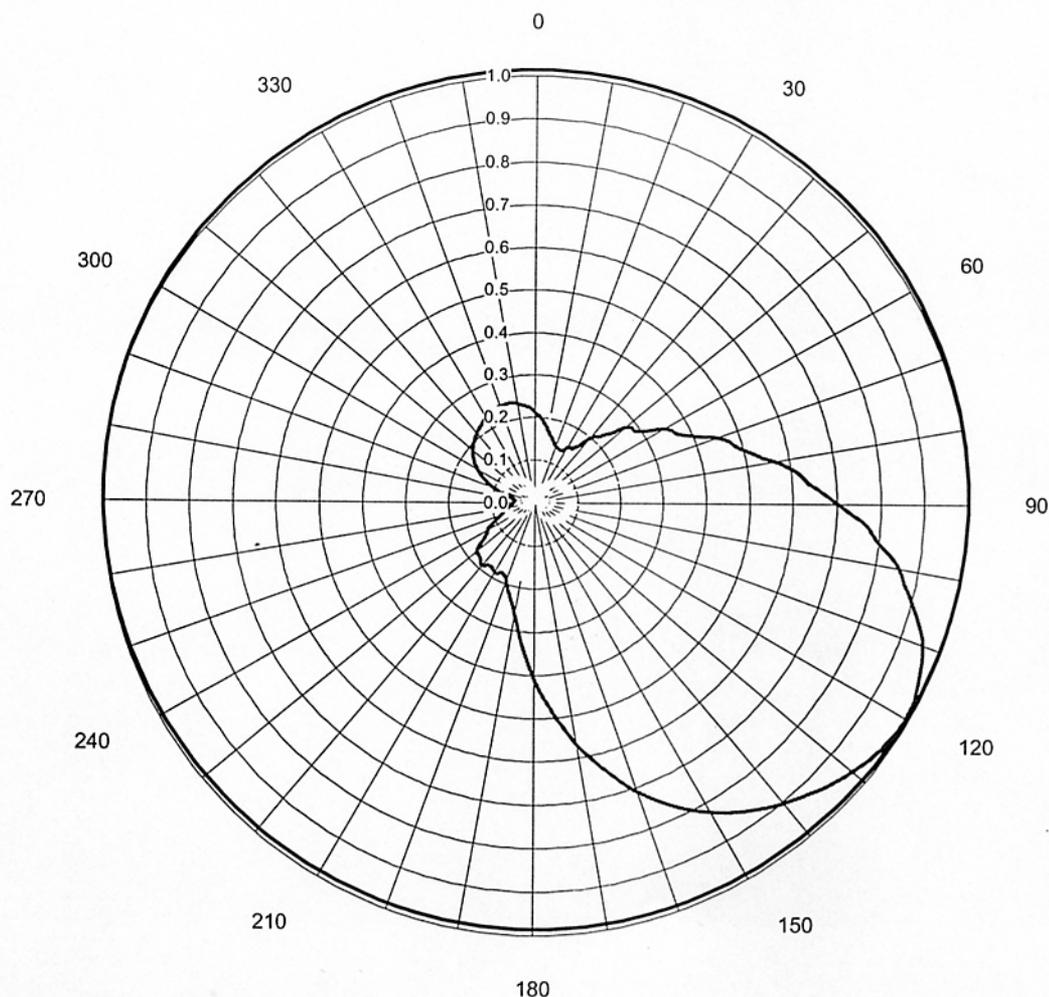
---

Denny & Associates, P.C. Consulting Engineers

**AZIMUTH PATTERN:**

Gain 4.56 (6.59 dB)  
Calculated / Measured Calculated

Frequency 653.00 MHz  
Drawing # DSB-J-0000



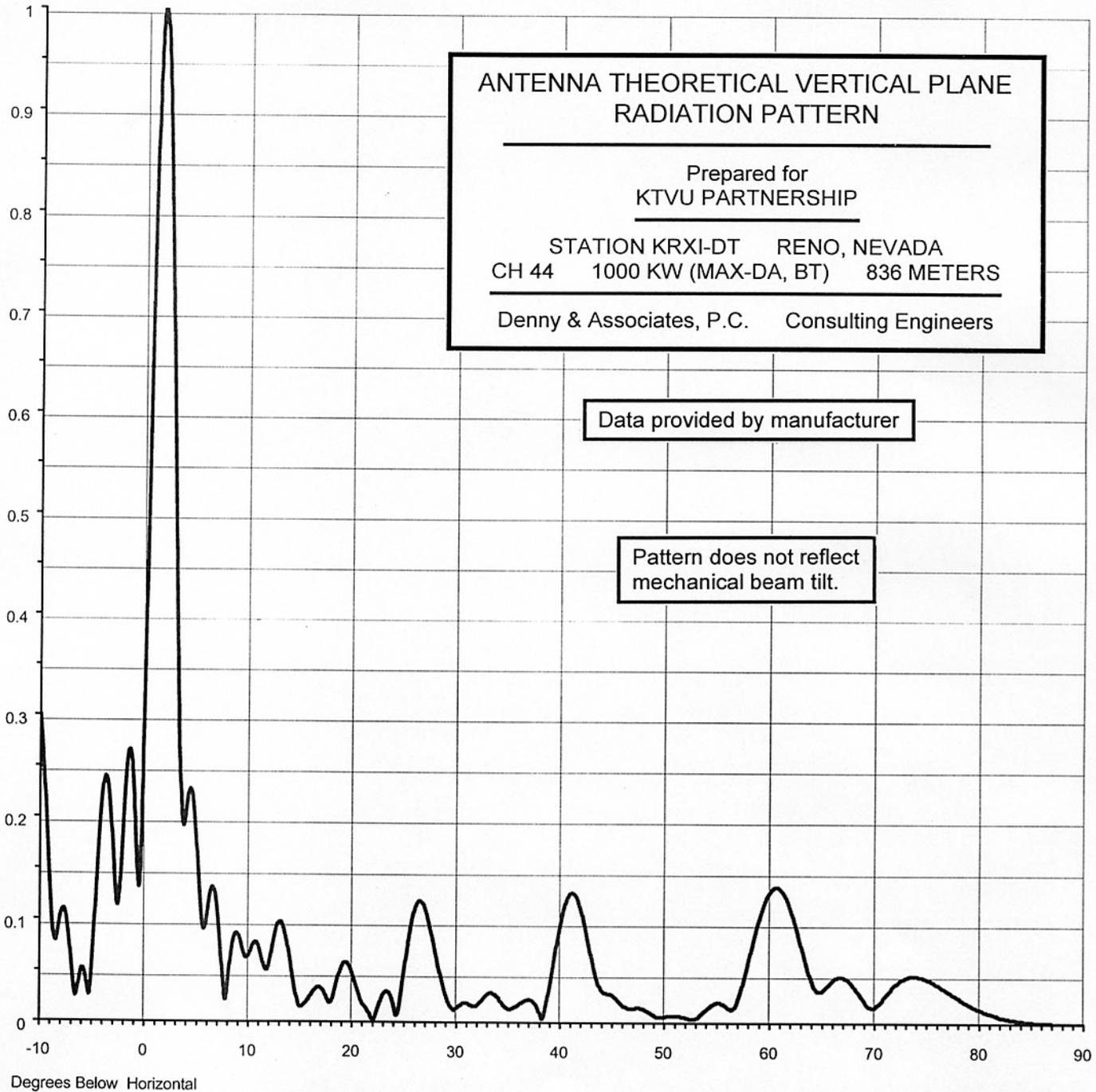
Mech. Tilt: 1.5  
@  
Azimuth: 140 deg

# Dielectric

JULY 2002

## ELEVATION PATTERN

RMS Gain at Main Lobe	<b>23.50 (13.71 dB)</b>	Beam Tilt	<b>1.50 deg</b>
RMS Gain at Horizontal	<b>3.20 (5.05 dB)</b>	Frequency	<b>653.00 MHz</b>
Calculated / Measured	<b>Calculated</b>	Drawing #	<b>24B235150-90</b>



# Dielectric

JULY 2002

## ELEVATION PATTERN

RMS Gain at Main Lobe	<b>23.50 (13.71 dB)</b>	Beam Tilt	<b>1.50 deg</b>
RMS Gain at Horizontal	<b>3.20 (5.05 dB)</b>	Frequency	<b>653.00 MHz</b>
Calculated / Measured	<b>Calculated</b>	Drawing #	<b>24B235150</b>

