



Proposal Number	DCA-9914	
Date	31-May-02	
Call Letters	WRAY-DT	Channel 42
Location	Wilson, NC	
Customer		
Antenna Type	881-32	

ELEVATION PATTERN

RMS Gain at Main Lobe	28.10 (14.49 dB)	Beam Tilt	0.75 deg
RMS Gain at Horizontal	18.40 (12.65 dB)	Frequency	641.00 MHz
Calculated / Measured	Calculated	Drawing #	321281075

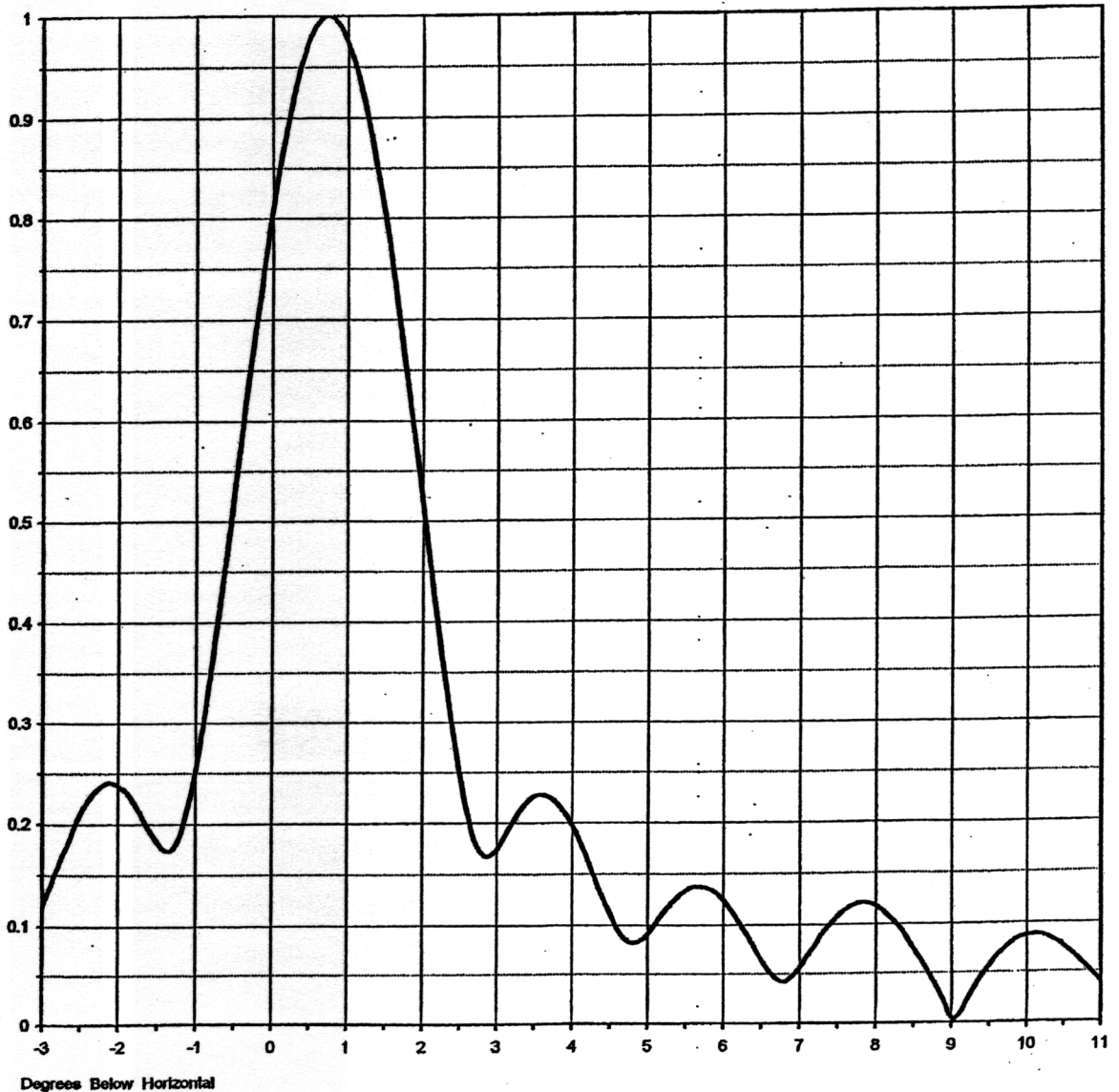


EXHIBIT B-1

VERTICAL RELATIVE FIELD PATTERN

PROPOSED WRAY-DT
CHANNEL 42 - WILSON, NORTH CAROLINA
[MODIFICATION OF BPCDT-19991101AFB]

SMITH AND FISHER



Proposal Number **DCA-9974**
Date **31-May-02**
Call Letters **WRAY-DT** Channel **42**
Location **Wilson, NC**
Customer
Antenna Type **881-32**

ELEVATION PATTERN

RMS Gain at Main Lobe	28.10 (14.49 dB)	Beam Tilt	0.75 deg
RMS Gain at Horizontal	18.40 (12.65 dB)	Frequency	641.00 MHz
Calculated / Measured	Calculated	Drawing #	321281075-90

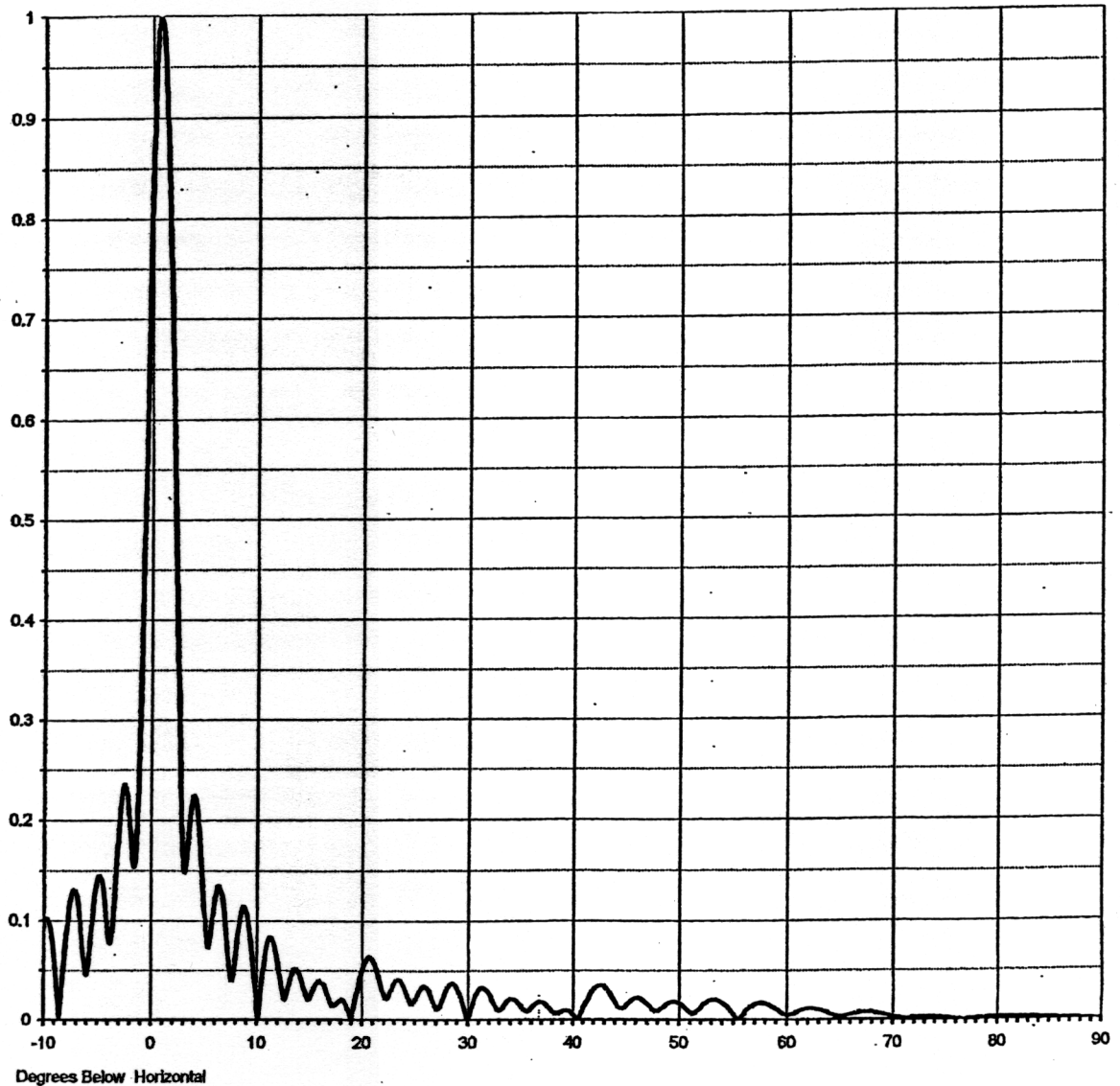


EXHIBIT B-2

VERTICAL RELATIVE FIELD PATTERN

PROPOSED WRAY-DT
CHANNEL 42 - WILSON, NORTH CAROLINA
[MODIFICATION OF BPCDT-19991101AFB]

SMITH AND FISHER

AZIMUTH PATTERN

Gain **2.30** **(3.62 dB)**
Calculated / Measured **Calculated**

Frequency
Drawing #

641.00 MHz
881-CH.42

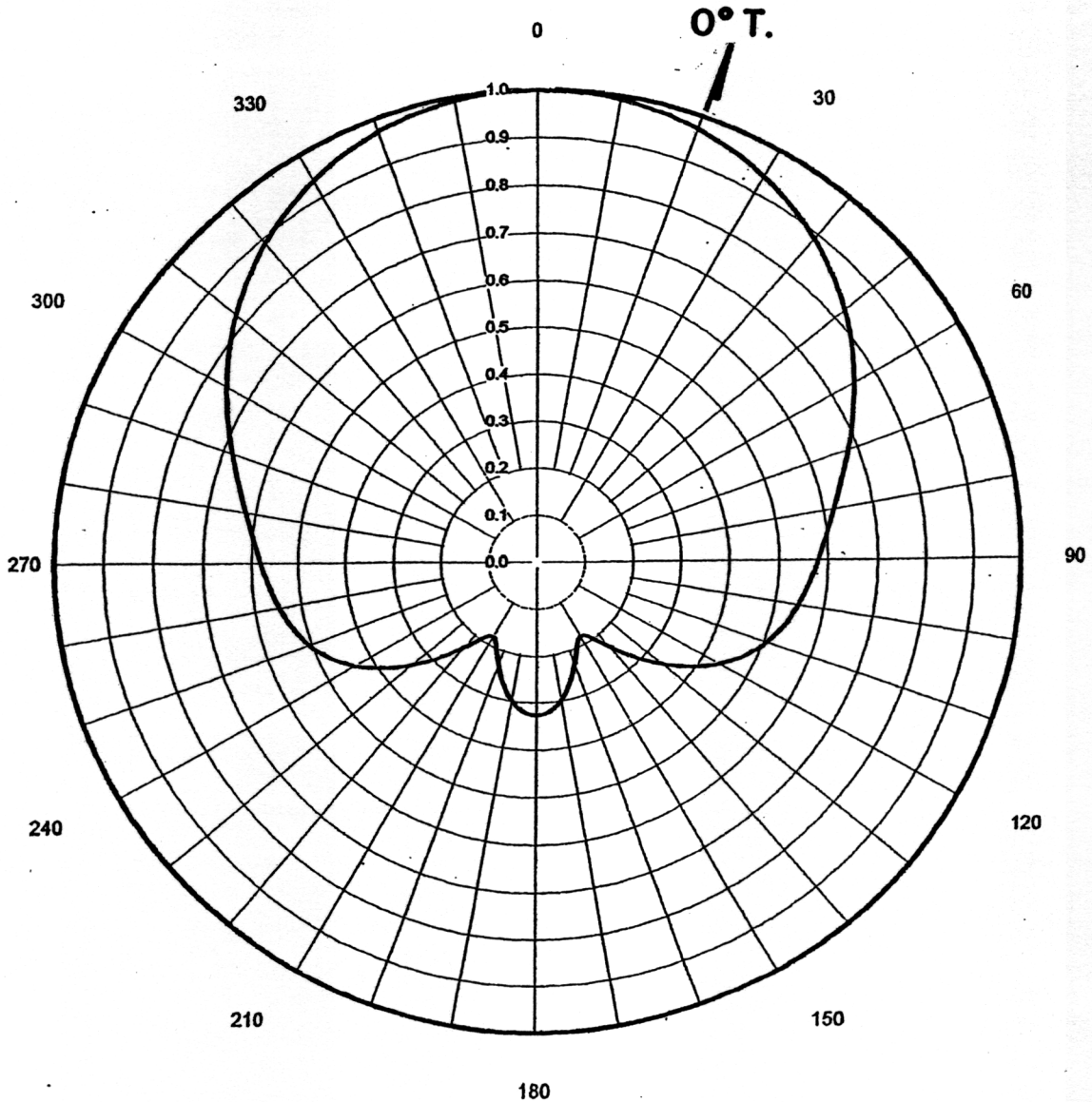


EXHIBIT B-3

HORIZONTAL RELATIVE FIELD PATTERN

PROPOSED WRAY-DT
CHANNEL 42 - WILSON, NORTH CAROLINA
[MODIFICATION OF BPCDT-19991101AFB]

SMITH AND FISHER

ANTENNA RADIATION VALUES

PROPOSED WRAY-DT
CHANNEL 42 - WILSON, NORTH CAROLINA
[MODIFICATION OF BPCDT-19991101AFB]

<u>Azimuth</u> <u>(° T)</u>	<u>Relative</u> <u>Field</u>	<u>ERP</u> <u>(dbk)</u>	<u>Azimuth</u> <u>(° T)</u>	<u>Relative</u> <u>Field</u>	<u>ERP</u> <u>(dbk)</u>
0	0.973	29.2	180	0.230	16.6
10	0.939	28.9	190	0.180	14.5
20	0.889	28.4	200	0.230	16.6
30	0.825	27.7	210	0.337	20.0
40	0.752	26.9	220	0.436	22.2
50	0.680	26.1	230	0.505	23.5
60	0.620	25.2	240	0.547	24.6
70	0.579	24.7	250	0.579	24.7
80	0.547	24.6	260	0.620	25.2
90	0.505	23.5	270	0.680	26.1
100	0.436	22.2	280	0.752	26.9
110	0.337	20.0	290	0.825	27.7
120	0.230	16.6	300	0.889	28.4
130	0.180	14.5	310	0.939	28.9
140	0.230	16.6	320	0.973	29.2
150	0.297	18.9	330	0.993	29.3
160	0.324	19.6	340	1.000	29.4
170	0.297	18.9	350	0.993	29.3