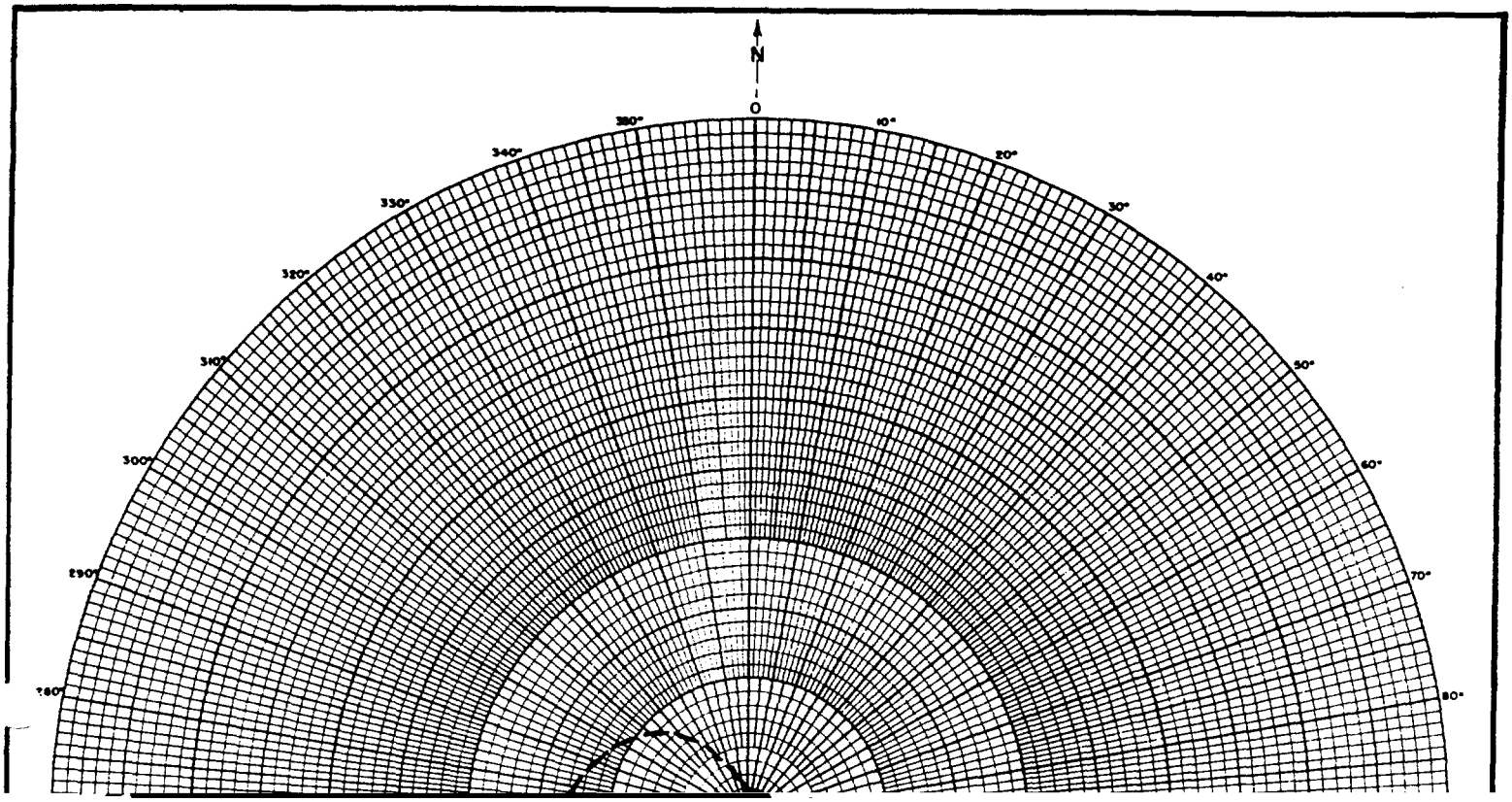
FIGURE 3

POSITIVE ALTERNATIVE RADIO, INC.
ASHEBORO, NORTH CAROLINA

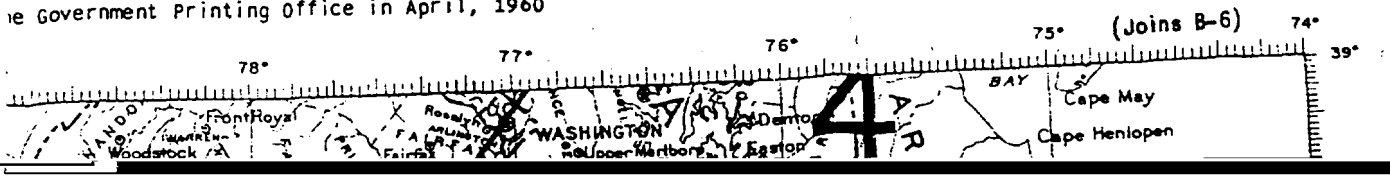
TABULATION OF DIRECTIONAL ANTENNA PATTERN

True Bearing	Relative Field	Power (KW)	Power (dbk)
220°	1.00	2.50	3.98
225°	.99	2.45	3.89
230°	.988	2.44	3.87
240°	.966	2.33	3.67
250°	1.00	2.50	3.98
260°	.988	2.44	3.87
270°	.933	2.18	3.38
280°	.861	1.85	2.67
290°	.759	1.44	1.58
300°	.653	1.07	0.29
310°	.603	.91	-0.41
315°	.55	.76	-1.19
320°	.468	.55	-2.60
330°	.389	.38	-4.20
340°	.309	.24	-6.20
350°	.260	.17	-7.70
0°	.240	.144	-8.42
10°	.234	.14	-8.54
20°	.240	.144	-8.42
30°	.248	.15	-8.24
40°	.254	.16	-7.96
45°	.250	.156	-8.07
50°	.248	.15	-8.24
60°	.240	.144	-8.42
70°	.234	.14	-8.54
80°	.240	.144	-8.42


N
0
10°
20°
30°
40°
50°
60°
70°
80°
350°
340°
330°
320°
310°
300°
290°
280°

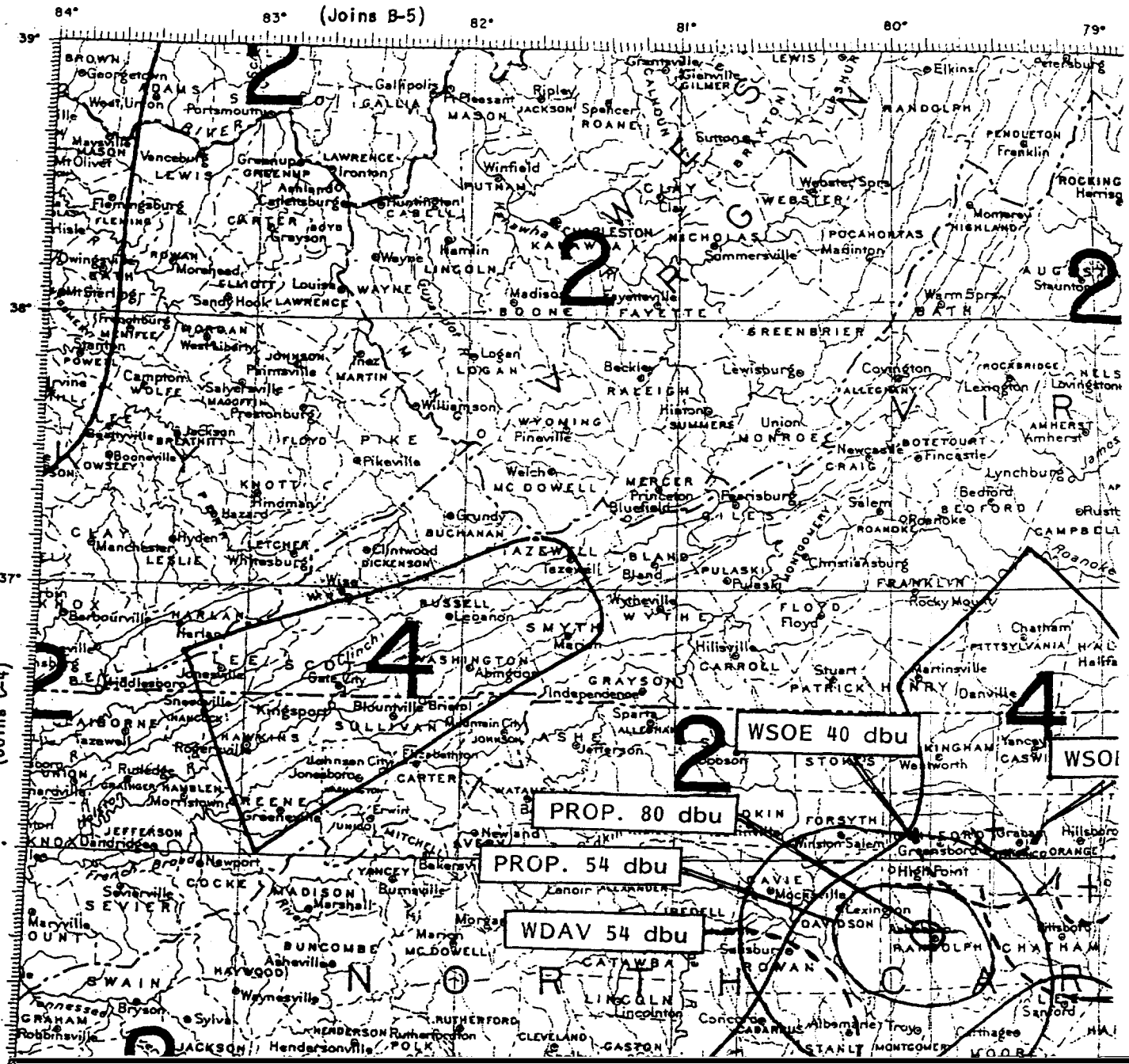
STUDIO PRINTING, INC.
2387 Lewis Avenue
Rockville, Maryland 20851
(301) 770-0440

ıround conductivity map, Figure M 3, adopted
ıe Government Printing Office in April, 1960



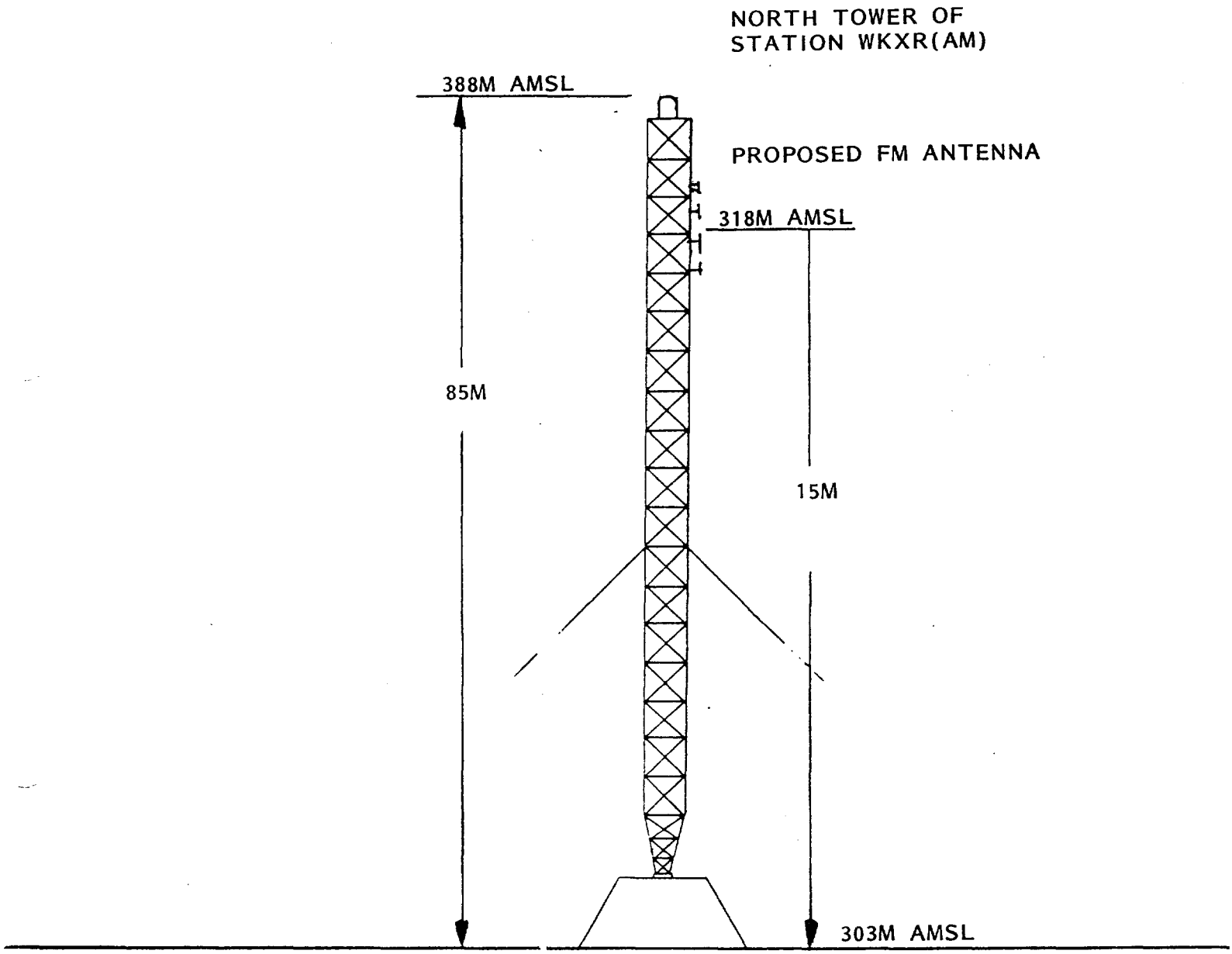
C - 5

Full scale reproduction of a portion of FCC grc
February, 1954. Original map purchased from the



Study Name : ASHBORO
Channel : 207C3
Study Coordinates : 35 43 26.0 N 79 48 21.0 W
Separations : FM Zone 2 - Commercial (MM Docket 88-375)

Call City / State	File - Number		Channel Status	ERP HAAT	Ant Zone	Latitude Longitude	Dist Bear	Req'd (km)	Clear (km)
WXDU	BLED	910301KA	*204A	1.60	DA	36 2 8	74.1	42.0	32.1
DURHAM, NC			LIC	294	2	79 4 48	61.9		
WSHA	BLED	800128AA	*205C2	25.5		35 46 15	105.9	56.0	49.9
RALEIGH, NC			LIC	115	2	78 38 10	86.8	Comnt	
WVTF	BLED	791207AJ	*206C	100		37 11 56	166.6	176.0	-9.4
ROANOKE, VA			LIC	1970	2	80 9 2	349.5		SHORT
WTEB	BLED	870220KB	*207C1	100		35 6 32	254.8	211.0	43.8
NEW BERN, NC			LIC	481	2	77 6 10	104.8	Comnt	



NOT TO SCALE

FIGURE 8

TOWER SKETCH

P.A.R., INC.
ASHEBORO, N. C.

Peter V. Gureckis & Assoc.
Consulting Radio Engineers
Potomac, MD

FIGURE 9

POSITIVE ALTERNATIVE RADIO, INC.
ASHEBORO, NORTH CAROLINA

RF STATEMENT

The proposed operation will comply with the safety requirements of OSHA in that the power density outside of fence at the base of the tower will be below the maximum permissible exposure level for humans of 100 milliwatts per centimeter squared. The critical distance is 16 meters from the base of the FM antenna located approximately 15 meters on the tower. Hence, a fence will be installed 3 meters around the tower and warning signs will be posted on the fence.

Further, areas closer to the proposed antenna will be restricted by the applicant and the 6 minute time average criteria will be in force for the technical personnel in the event that access to areas in the immediate vicinity of the antenna is required. For longer periods of time, power will be completely shut down to the antenna.