TV COVERAGE
****

GLENDALE BROADCASTING COMPANY

CHANNEL NO. 63 FREQUENCY 764. - 770. MHZ

CENTER OF RADIATION 616.9 METERS AMSL
COORDINATES: 33-44-38 / 84-00-39
MAXIMUM ERP 5000. KW-DA

	BEARING DEGREES		3-16 KM AVERAGE	C.R. HAAT	E.R.P. (KW)	DISTANCE TO CONTOURS (KM) 80.0	74.0	64.0
	0.	*	293.3	323.6	4232.000	55.7	65.0	83.7
	10.		281.8	335.1	3916.125	55.8	65.2	84.2
	20.		284.7	332.2	3570.125	55.0	64.4	83.0
	30.		279.3	337.6	3280.500	54.9	64.1	82.7
	40.		280.7	336.2	2850.125	53.8	63.1	81.3
	45.	*	275.0	341.9	2628.125	53.6	62.9	81.1
	50.		268.8	348.1	2380.500	53.3	62.6	80.8
	60.		263.2	353.7	1860.500	52.0	61.2	79.2
	70.		253.2	363.7	1326.125	50.2	59.4	77.1
CITY	80.		251.5	365.4	840.500	47.2	56.5	73.2
	90.	*	245.7	371.2	512.000	44.1	53.4	69.5
	100.		235.9	381.0	392.000	42.8	52.1	68.2
	110.		230.1	386.8	480.500	44.4	53.8	70.2
	120.		227.8	389.1	666.125	46.7	56.0	73.1
	130.		224.8	392.1	840.500	48.3	57.8	75.3
	135.	*	221.4	395.5	903.125	48.9	58.4	76.1
	140.		217.3	399.6	924.500	49.2	58.9	76.6
	150.		210.7	406.2	840.500	48.9	58.6	76.3
	160.		227.8	389.1	648.000	46.5	55.8	72.7
	170.		243.0	373.9	465.125	43.6	52.9	69.0
	180.	*	242.0	374.9	406.125	42.8	52.0	68.1
	190.		242.4	374.5	561.125	44.9	54.2	70.5
	200.		245.4	371.5	924.500	48.1	57.5	74.5
	210.		249.9	367.0	1431.125	50.9	60.2	78.1
	220.		243.5	373.4	1984.500	53.3	62.8	81.4
	225.	*	245.3	371.6	2244.500	54.1	63.6	82.4
	230.		250.4	366.5	2520.500	54.6	64.1	83.0
	240.		253.7	363.2	2926.125	55.4	64.9	84.2
	250.		251.9	365.0	3321.125	56.3	65.8	85.6
	260.		258.9	358.0	3655.125	56.6	66.1	85.9
	270.	*	268.8	348.1	3960.500	56.6	66.1	85.6
	280.		264.5	352.4	4186.125	57.3	66.8	86.6
	290.		266.5	350.4	4560.125	57.8	67.3	87.2
	300.		259.4	357.5	4802.000	58.4	68.1	88.5
	310.		260.9	356.0	4950.125	58.6	68.2	88.7
	315.	*	260.4	356.5	4970.045	58.6	68.4	88.8
	320.		256.0	360.9	5000.000	58.9	68.7	89.3
	330.		259.6	357.3	4950.125	58.7	68.4	88.8
	340.		268.9	348.0	4802.000	57.9	67.4	87.5
	350.		283.7	333.2	4560.125	56.8	66.1	85.5
AVERAGE (8)		*	256.5	360.4 Meters				

AREA IN SQUARE KILOMETERS 8524. 11879. 19970.

PROPOSED CONTOURS
(Metric Units)
GLENDALE BROADCASTING COMPANY
MONROE, GEORGIA
Ch.63 5000 KW-DA 360m HAAT

MULLANEY ENGINEERING, INC.
GAITHERSBURG, MARYLAND
FIGURE 2-A
FEBRUARY 1993

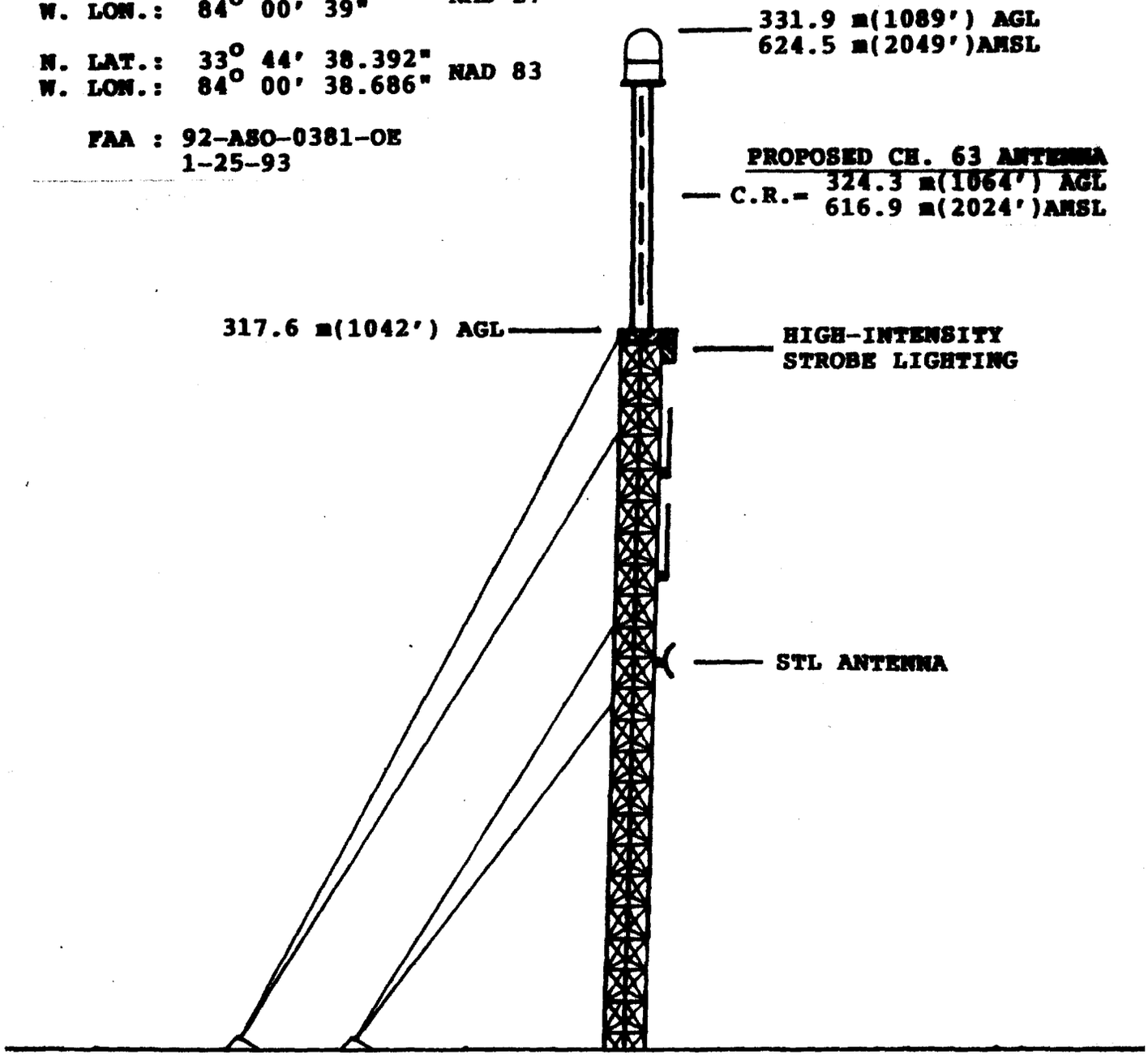
PAINTING AND LIGHTING: IN ACCORDANCE WITH F.A.A. SPECIFICATIONS.

NOT DRAWN TO SCALE

N. LAT.: 33° 44' 38"
W. LON.: 84° 00' 39" NAD 27

N. LAT.: 33° 44' 38.392"
W. LON.: 84° 00' 38.686" NAD 83

FAA : 92-ASO-0381-OE
1-25-93



292.6 m(960') AMSL

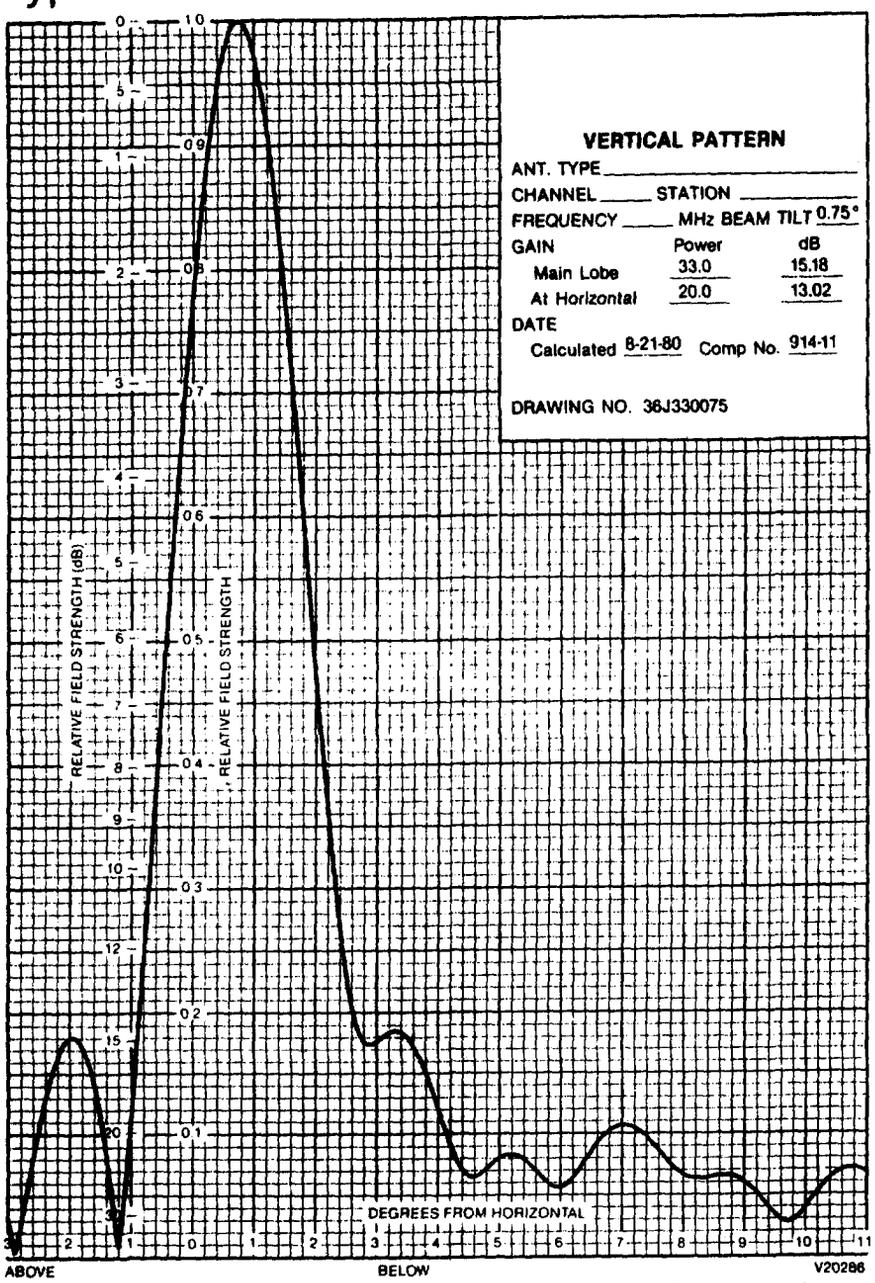
FEBRUARY 1993

MULLANEY ENGINEERING, INC.
GAITHERSBURG, MARYLAND

FIGURE 3
VERTICAL TOWER SKETCH

GLENDALE BROADCASTING COMPANY
MONROE, GEORGIA
Ch. 63 5000 KW-DA 360m HAAT

Type 36J330075



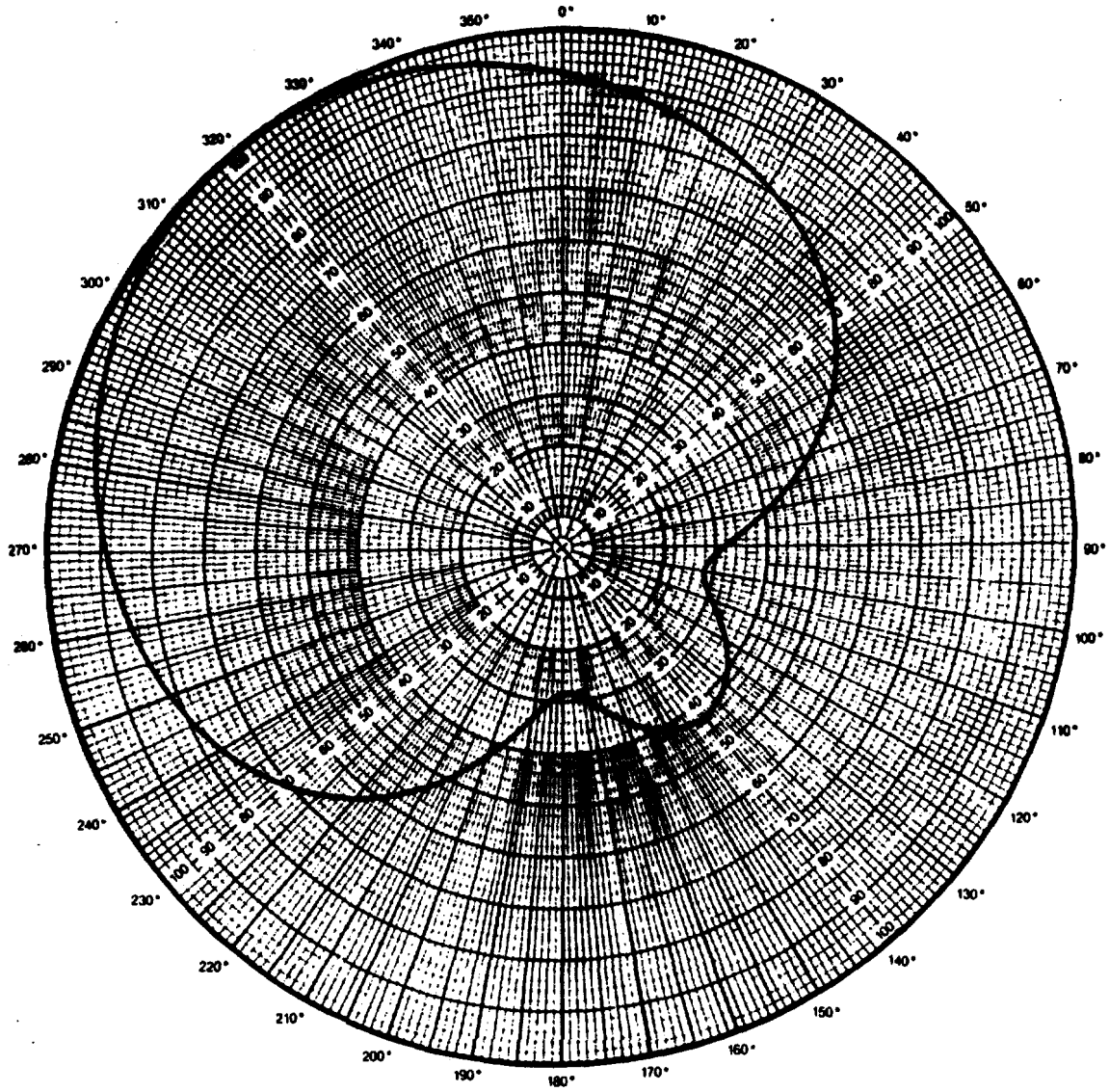
FEBRUARY 1993

MULLANEY ENGINEERING, INC.
GAITHERSBURG, MARYLAND

FIGURE 4
ELEVATION RADIATION PATTERN

GLENDALE BROADCASTING COMPANY
MONROE, GEORGIA
Ch. 63 5000 KW-DA 360m HAAT

Type S200

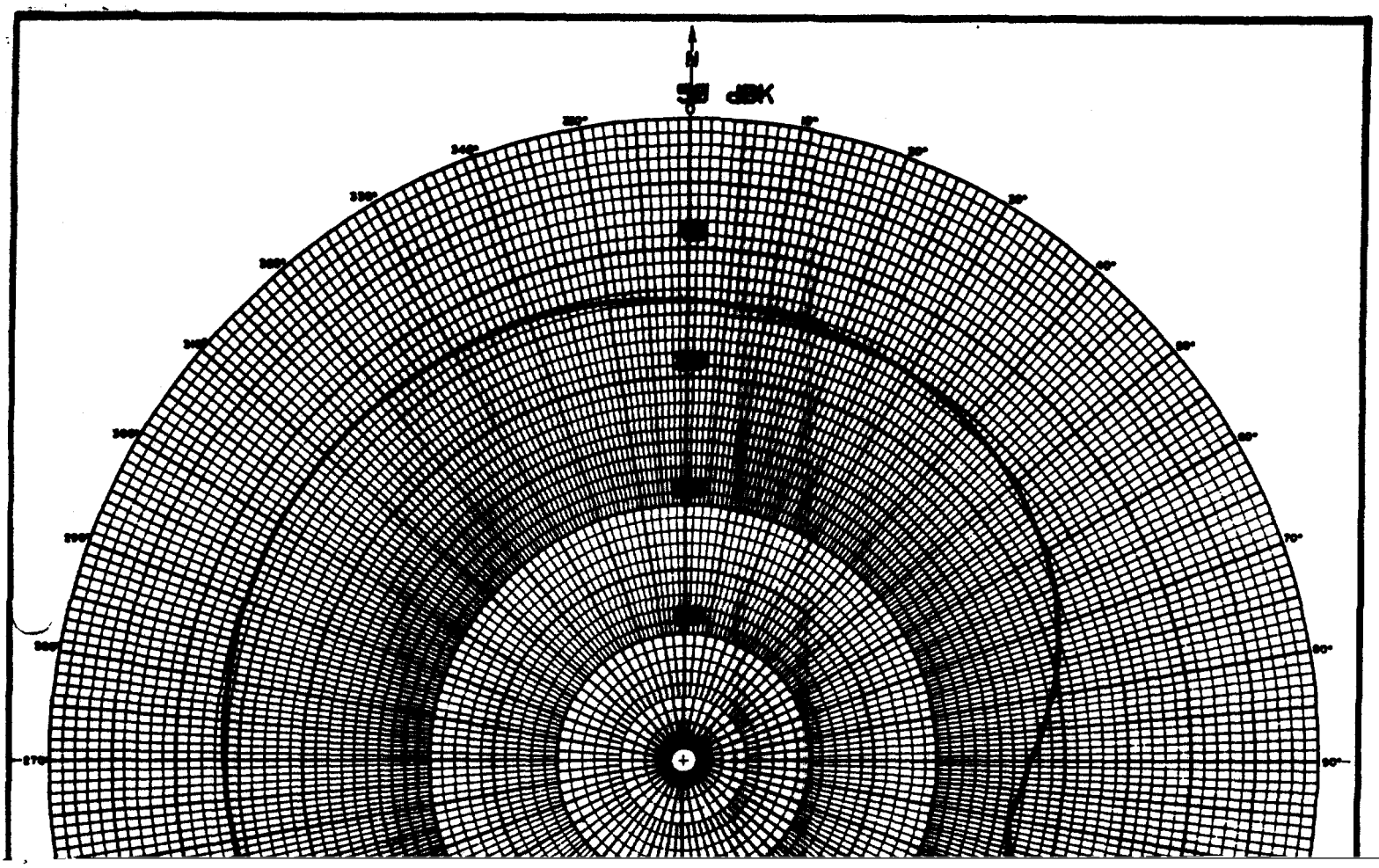


REMARKS	HORIZONTAL PATTERN
MIN -11dB	ANT. TYPE
	CHANNEL STATION
	LOCATION
	FREQUENCY MHz GAIN 2.0
	DATE
	Calculated 5-7-82 Comp. No. 1024-2
	Measured Eng.
	DRAWING NO. S200

H10166

HORIZONTAL PATTERN PLOT
(RELATIVE FIELD)
GLENDALE BROADCASTING COMPANY
MONROE, GEORGIA
Ch.63 5000 KW-DA 360m HAAT

MULLANEY ENGINEERING, INC.
GAITHERSBURG, MARYLAND
FIGURE 4-A
FEBRUARY 1993


N
dBK

GLENDALE BROADCASTING CO.

BEARING DEGREES	RELATIVE FIELD	HORIZONTAL DBK	HORIZONTAL KW
0.0	0.920	36.27	4232.000
10.0	0.885	35.93	3916.125
20.0	0.845	35.53	3570.125
30.0	0.810	35.16	3280.500
40.0	0.755	34.55	2850.125
45.0	0.725	34.20	2628.125
50.0	0.690	33.77	2380.500
60.0	0.610	32.70	1860.500
70.0	0.515	31.23	1326.125
80.0	0.410	29.25	840.500
90.0	0.320	27.09+	512.000
100.0	0.280	25.93	392.000
110.0	0.310	26.82	480.500
120.0	0.365	28.24	666.125
130.0	0.410	29.25	840.500
135.0	0.425	29.56	903.125
140.0	0.430	29.66	924.500
150.0	0.410	29.25	840.500
160.0	0.360	28.12	648.000
170.0	0.305	26.68	465.125
180.0	0.285	26.09	406.125
190.0	0.335	27.49	561.125
200.0	0.430	29.66+	924.500
210.0	0.535	31.56	1431.125
220.0	0.630	32.98	1984.500
225.0	0.670	33.51	2244.500
230.0	0.710	34.01	2520.500
240.0	0.765	34.66	2926.125
250.0	0.815	35.21	3321.125
260.0	0.855	35.63	3655.125
270.0	0.890	35.98	3960.500
280.0	0.915	36.22	4186.125
290.0	0.955	36.59	4560.125
300.0	0.980	36.81	4802.000
310.0	0.995	36.95	4950.125
315.0	0.997	36.96	4970.045
320.0	1.000	36.99	5000.000
330.0	0.995	36.95	4950.125
340.0	0.980	36.81	4802.000
350.0	0.955	36.59	4560.125

+ DENOTES: ROLL OFF EXCEEDS 2 DB PER 10 DEGREES OF AZIMUTH OVER ANGLE OF PROTECTION.

HORIZONTAL PATTERN TABULATION

GLENDALE BROADCASTING COMPANY
MONROE, GEORGIA
Ch.63 5000 KW-DA 360m HAAT

MULLANEY ENGINEERING, INC.
GAITHERSBURG, MARYLAND

FIGURE 4-C

FEBRUARY 1993

26-FEB-93 08:23:26 TV CHANNEL STUDY PROGRAM

```
NEW            -          MONROE                        GA  US
Channel 63  Zero Offset        N Lat  33-44-38  W Long   84-00-39  Zone 2  Cutoff Date        Last Update
ERP: 5000.000 kW  HAAT: 360.4 meters; RCAMSL: 616.9 meters                                   Docket
Directional Antenna: Make: BIE  Model: DBD920228KE     Ref Azimuth:   0.0
  The above parameters were keyed in by the User.


                                  ********** REMINDER **********

The proposed  5000.000 kW is rounded to  5000.000 kW (  37.0 dBk).

There are no AM operations in Volume  904 within 2 miles of the proposed antenna site.

                                  ********* CHANNEL STUDY **********

 1       -                 COLUMBUS                    GA US  Ch 48 Z TA       E Zone: 2  Lat  32-28-07 Sep: 168.4 kM
                                        ERP:      kW HAAT:      m  DA:    Cutoff:            Lon  84-59-24 Req: 119.9 kM

 2       -                 GREENWOOD                   SC US  Ch 49 + TA       C Zone: 2  Lat  34-11-06 Sep: 178.1 kM
                                        ERP:      kW HAAT:      m  DA:    Cutoff:            Lon  82-09-30 Req: 119.9 kM

 3       -                 CARROLLTON                  GA US  Ch 49 - TA       E Zone: 2  Lat  33-34-48 Sep: 100.5 kM
                                        ERP:      kW HAAT:      m  DA:    Cutoff:            Lon  85-04-36 Req:  95.7 kM

 4       -                 FRANKLIN                    NC US  Ch 56 + TA       E Zone: 2  Lat  35-10-48 Sep: 169.5 kM
                                        ERP:      kW HAAT:      m  DA:    Cutoff:            Lon  83-22-48 Req:  95.7 kM

 5   BPCT-921211KF  WAJWTV  PALATKA                     FL US  Ch 63 + TV CP     C Zone: 3  Lat  29-43-04 Sep: 505.1 kM
   PALATKA TELEVISION, INC.             ERP: 5000 kW HAAT:  314 m  DA:    Cutoff:            Lon  81-31-04 Req: 280.8 kM

 6       -                 MONTGOMERY                  AL US  Ch 63 + TA       E Zone: 3  Lat  32-22-54 Sep: 262.4 kM
                                        ERP:      kW HAAT:      m  DA:    Cutoff:            Lon  86-18-30 Req: 280.8 kM SHORT

 7   BLCT-910304KF  WHSG    MONROE                      GA US  Ch 63 Z TV LIC    C Zone: 2  Lat  33-44-22 Sep:   0.8 kM
   TRINITY BROADCASTING NETWORK         ERP: 5000 kW HAAT:  363 m  DA: Y  Cutoff:            Lon  84-00-14 Req: 280.8 kM  MX

 8   BPCT-920228KE  NEW     MONROE                      GA US  Ch 63 Z TV APP    C Zone: 2  Lat  33-46-17 Sep:   3.1 kM
   GLENDALE BROADCASTING COMPANY        ERP: 5000 kW HAAT:  354 m  DA: Y  Cutoff:            Lon  84-00-25 Req: 280.8 kM  --
   MX WITH RENEWAL OF WHSG

 9   BPCT-921201LG  WGMB    SUMTER                      SC US  Ch 63 - TV CP     C Zone: 2  Lat  34-06-10 Sep: 302.2 kM
   MCLAUGHLIN BROADCASTING, INC.        ERP: 1100 kW HAAT:  343 m  DA: N  Cutoff:            Lon  80-46-18 Req: 280.8 kM

10       -                 BLUEFIELD                   VA US  Ch 63 + TA       E Zone: 2  Lat  37-15-06 Sep: 464.1 kM
                                        ERP:      kW HAAT:      m  DA:    Cutoff:            Lon  81-13-24 Req: 280.8 kM

11   BLCT-901130KF  WGNM    MACON                       GA US  Ch 64 - TV LIC    C Zone: 2  Lat  32-44-58 Sep: 118.0 kM
   GOOD NEWS TELEVISION                 ERP: 51.3 kW HAAT:  185 m  DA: Y  Cutoff:            Lon  83-33-35 Req:  87.7 kM

                                  ********** END OF STUDY **********
```

CHANNEL ALLOCATION STUDY

GLENDALE BROADCASTING COMPANY
MONROE, GEORGIA
Ch.63 5000 KW-DA 360m HAAT

MULLANEY ENGINEERING, INC.
GAITHERSBURG, MARYLAND

FIGURE 5

FEBRUARY 1993

US Department of Transportation
Federal Aviation Administration

SOUTHERN REGION
ATTN: ASO-532
P.O. BOX 20636
ATLANTA, GEORGIA 30320
404-763-7646

IN REPLY REFER TO
AERONAUTICAL STUDY
NO. 92-ASO-0381-OE

DETERMINATION OF NO HAZARD TO AIR NAVIGATION

SPONSOR	GLENDALE BROADCASTING COMPANY George E. Gardner 500 Glendale Street Carlisle, PA 17013	CONSTRUCTION LOCATION PLACE NAME Monroe, Georgia	
		LATITUDE 33°44'38"	LONGITUDE 84°00'39"
CONSTRUCTION PROPOSED	DESCRIPTION Antenna Tower (764-770 MHz; 500 KW ERP)	HEIGHT (IN FEET) ABOVE GROUND 1089	ABOVE MSL 2049

An aeronautical study of the proposed construction described above has been completed under the provisions of Part 77 of the Federal Aviation Regulations. Based on the study it is found that the construction would have no substantial adverse effect on the safe and efficient utilization of the navigable airspace by aircraft or on the operation of air navigation facilities. Therefore, pursuant to the authority delegated to me, it is hereby determined that the construction would not be a hazard to air navigation provided the following conditions are met:

Conditions: The structure should be lighted and monitored in accordance with the standards of the FAA Obstruction Marking and Lighting Advisory Circular 70/7460-1H, Chapters 4, 7 & 13 (High Intensity White)

Supplemental notice of construction is required any time the project is abandoned (use the enclosed FAA form), or

☒ At least ~~48 hours~~ 10 days before the start of construction (use the enclosed FAA form).

☒ Within five days after the construction reaches its greatest height (use the enclosed FAA form)

This determination expires on July 25, 1993 unless:

(a) extended, revised or terminated by the issuing office;

(b) the construction is subject to the licensing authority of the Federal Communications Commission and an application for a construction permit is made to the FCC on or before the above expiration date. In such case the determination expires on the date prescribed by the FCC for completion of construction, or on the date the FCC denies the application.

NOTE: Request for extension of the effective period of this determination must be postmarked or delivered to the issuing office at least 15 days prior to the expiration date.

This determination is subject to review if an interested party files a petition on or before January 15, 1993. In the event a petition for review is filed, it should be submitted in triplicate to the Manager, Flight Information and Obstructions Branch, AAT-210 Federal Aviation Administration, Washington, D.C. 20591 and contain a full statement of the basis upon which it is made.

This determination becomes final on January 25, 1993 unless a petition for review is timely filed, in which case the determination will not become final pending disposition of the petition. Interested parties will be notified of the grant of any review.

An account of the study findings, aeronautical objections, if any, registered with the FAA during the study, and the basis for the FAA's decision in this matter will be found on the following page(s).

If the structure is subject to the licensing authority of the FCC, a copy of this determination will be sent to that Agency.

This determination, issued in accordance with FAA Part 77, concerns the effect of this proposal on the safe and efficient use of the navigable airspace by aircraft and does not relieve the sponsor of any compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Distribution: ZAT-03

SIGNED Robert L. Sharp, Jr. TITLE Airspace Specialist
Robert L. Sharp, Jr. System Management Branch
ISSUED IN East Point, GA ON December 16, 1992

FAA Form 7460-9 (2-93) SUPERSEDES PREVIOUS EDITION

The proposed antenna tower would be located approximately 6.8 nautical miles (NM) southeast of the Stone Mountain-Britt Memorial Airport reference point.

The proposal at coordinates 33°46'17"N,. 84°00'25"W., and a height of 1124'AGL/2049'AMSL was circularized for public comment by letter dated May 22, 1992. Three (3) letters of comments and/or objections were received from the following persons and organizations:

State of Georgia, Department of Transportation, Aviation Programs Unit
Local area pilot
President, Whispering Pines Pilot Association

They objected on the basis that the proposal would be a hazard to pilots at 1124 feet above the ground and would be in the flight path of many general aviation aircraft who fly over this area to avoid the Atlanta TCA.

During negotiation with the Federal Aviation Administration (FAA), the proponent, in order to minimize the aeronautical effects of the structure, proposed to reduce the height and to locate the structure as shown on the face of this determination. At the revised height and location, the proposal exceeds the obstruction standards of Federal Aviation regulations, Part 77, as follows:

77.23(a)(1) by 589 feet, a height exceeding 500 feet above ground level at the site of the object.

The aeronautical study disclosed that the proposed structure would have no adverse effect on any existing or planned terminal or en route instrument operations, procedure, or minimum flight altitudes.

Study for visual flight rules (VFR) effect disclosed that the proposal would be beyond all known public use or military airport traffic pattern airspace areas. At 1089 feet above ground level, it would penetrate altitudes considered available for VFR en route operations. Further study disclosed that the proposed structure would be located approximately 2661 feet northwest of an existing 1149'AGL/2049'AMSL antenna tower and would have no greater effect upon VFR en route aircraft than the existing tower.

The cumulative impact resulting from the proposed construction, when combined with the impact of other existing or proposed structures, was negligible.

Therefore, it is determined that the proposed structure would have no substantial adverse effect on the safe and efficient utilization of the navigable airspace by aircraft or on the operation of air navigation facilities and would not be a hazard to air navigation.

Evaluation of this proposal predicts in-band signals as indicated below for various frequency ranges. The additional attenuation required to reduce in-band spurious signal levels is also tabulated to reduce the maximum allowable level to -104dBm. This level was established and agreed upon by the FCC and FAA in 1981 to eliminate the harmful interference to FAA facilities. The last column shows the total amount by which the spurious radiation must be attenuated below the unmodulated T.F. carrier for the frequency range specified.

Location	Frequency Range (MHz)	Spurious Level	Additional Attenuation Required	Total Attenuation Required Below R.F. Carrier
Atlanta, GA	118.65MHz	-69.6dBm	-34.4dBm	-104dBm

This determination of No Hazard is granted provided the following conditional statement is included in the proponent's construction permit of license to radiate.

"Upon receipt of notification from the Federal Communications Commission that harmful interference is being caused by the licensee's (permittee's) transmitter, the licensee (permittee) shall either immediately reduce the power to the point of no interference, cease operations, or take such immediate corrective action as is necessary to eliminate the harmful interference. This condition expires after one year of interference free operation".