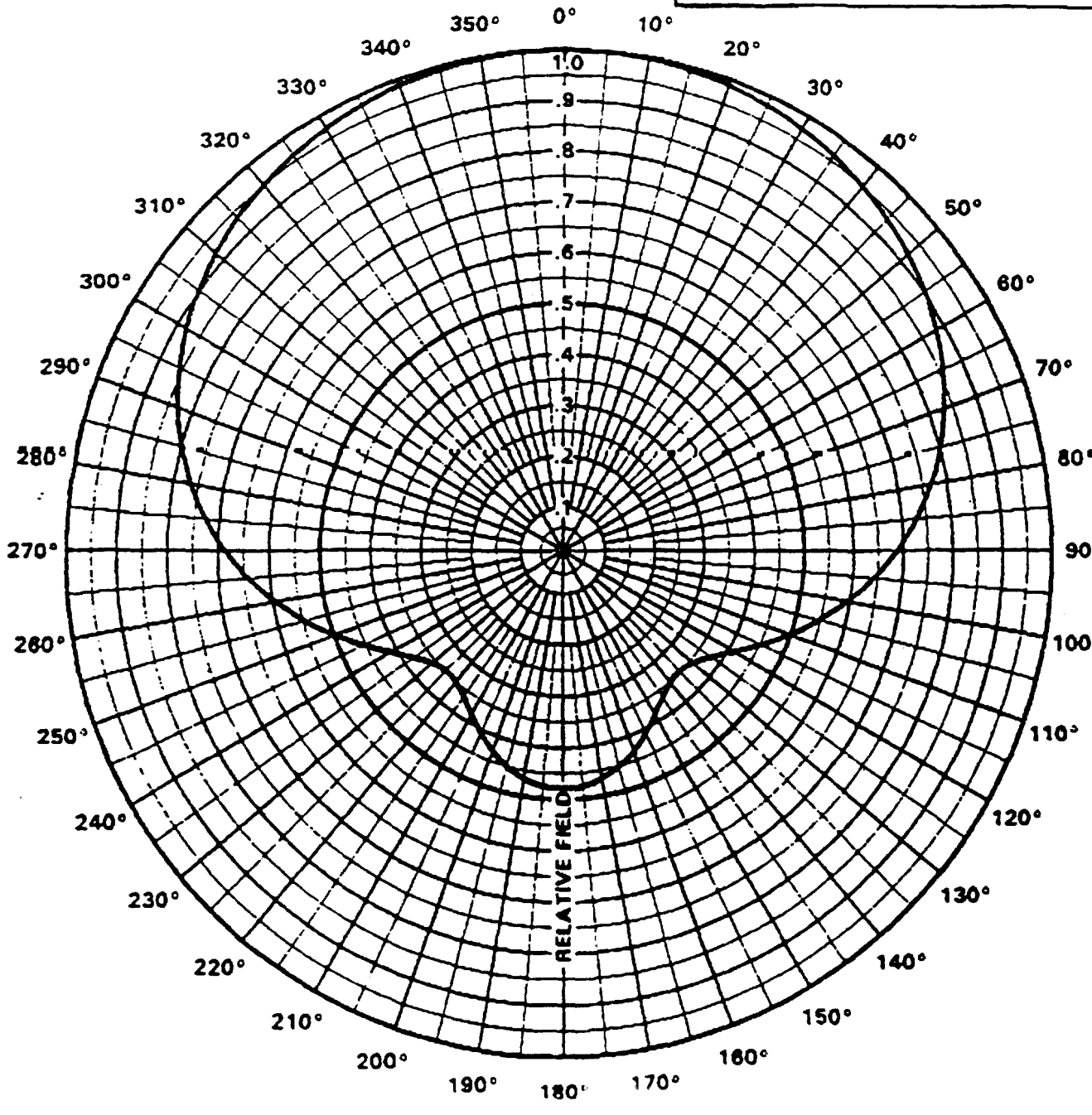
ANDREW

AZIMUTH PATTERN

Type:	CH53AZH	
Directivity:	Numeric 1.94	dB 2.88
Peak(s) At:	As Required	
Polarization:	Horizontal	
Channel:	53	
Location:	Charlotte, NC	

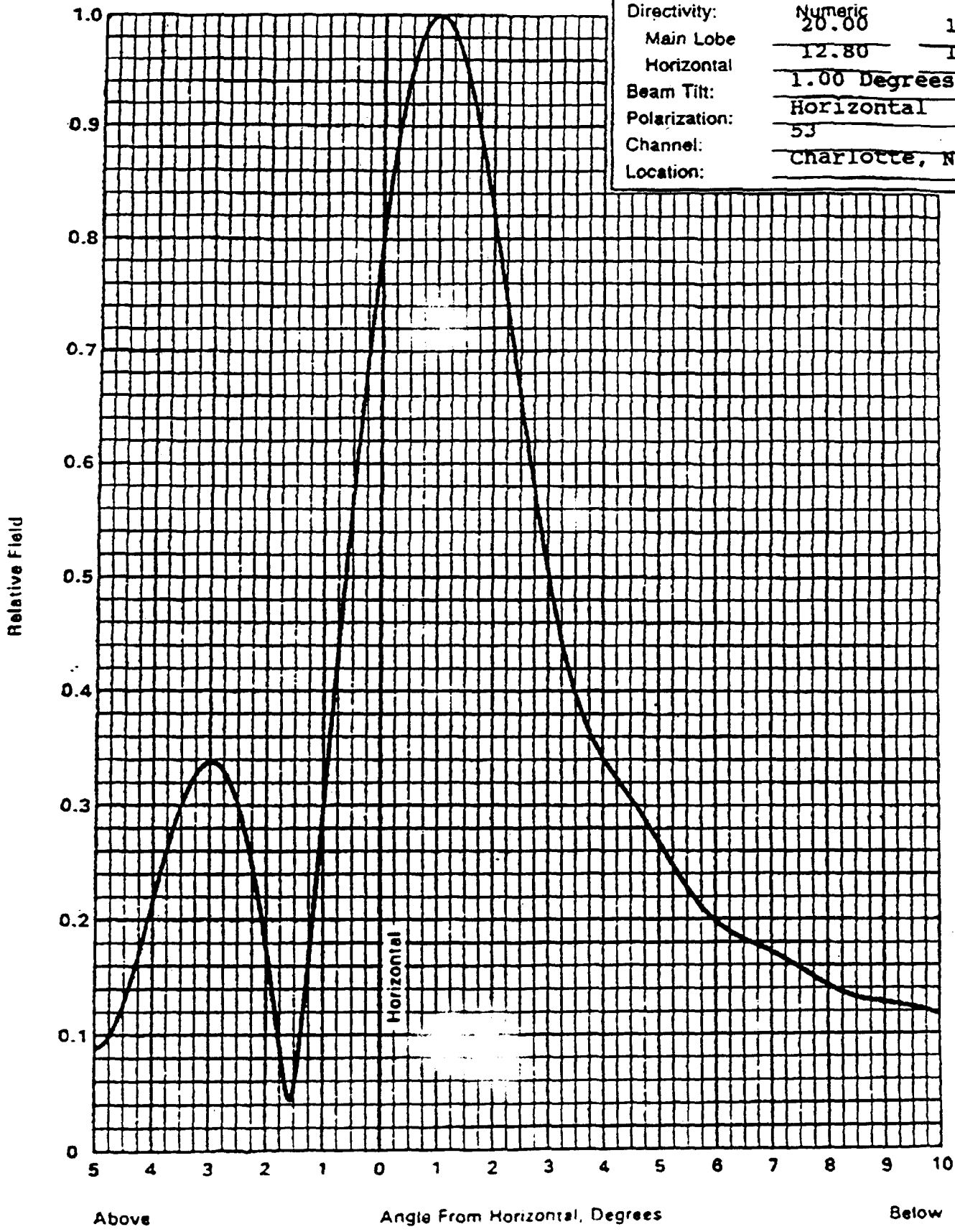
NOTE: Pattern shape and directivity may vary with channel and mounting configuration.

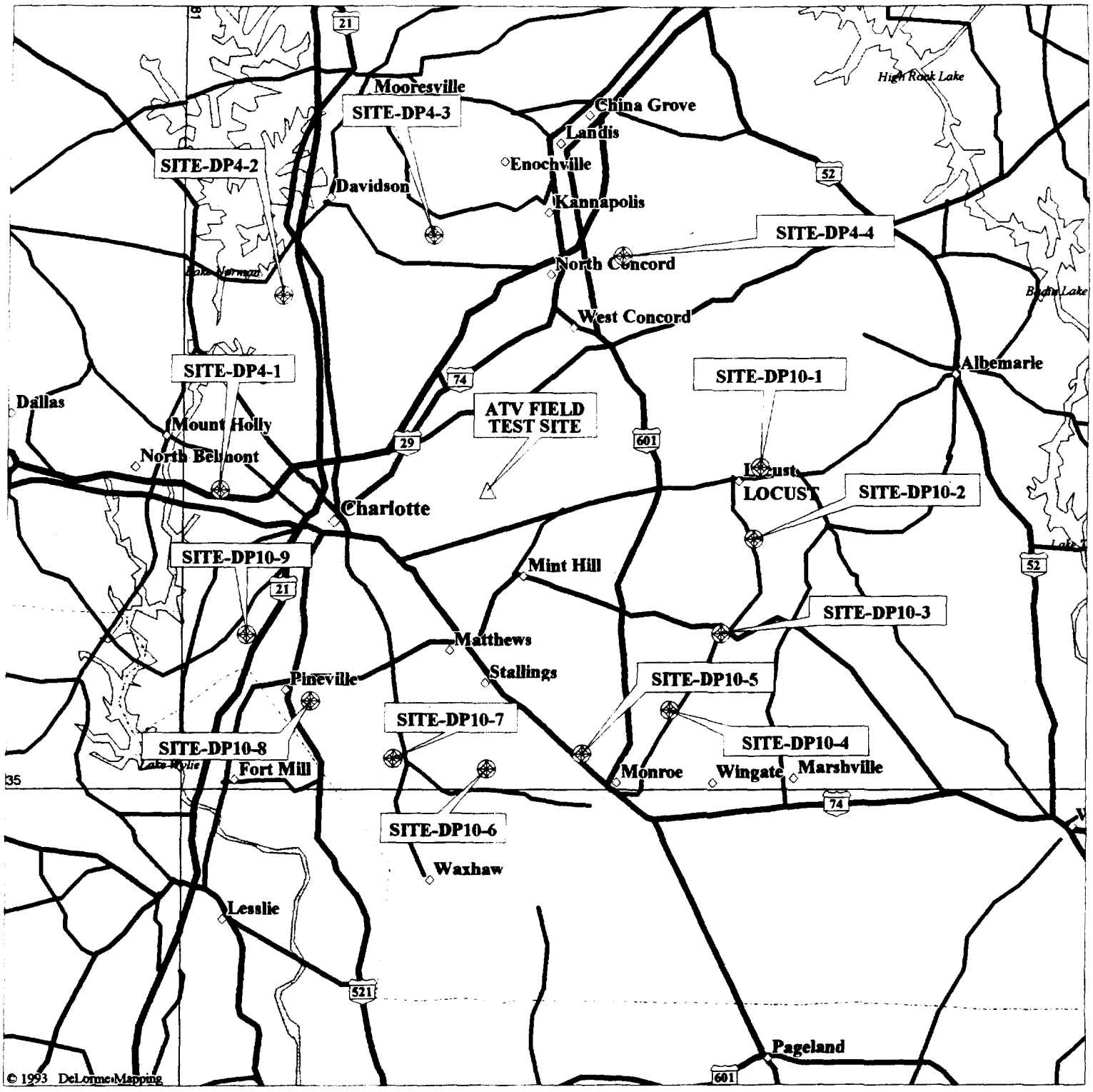


ANDREW

ELEVATION PATTERN

Type:	20HS4H	
Directivity:	Numeric	dBd
Main Lobe	20.00	13.01
Horizontal	12.80	11.07
Beam Tilt:	1.00 Degrees	
Polarization:	Horizontal	
Channel:	53	
Location:	Charlotte, NC	





LEGEND

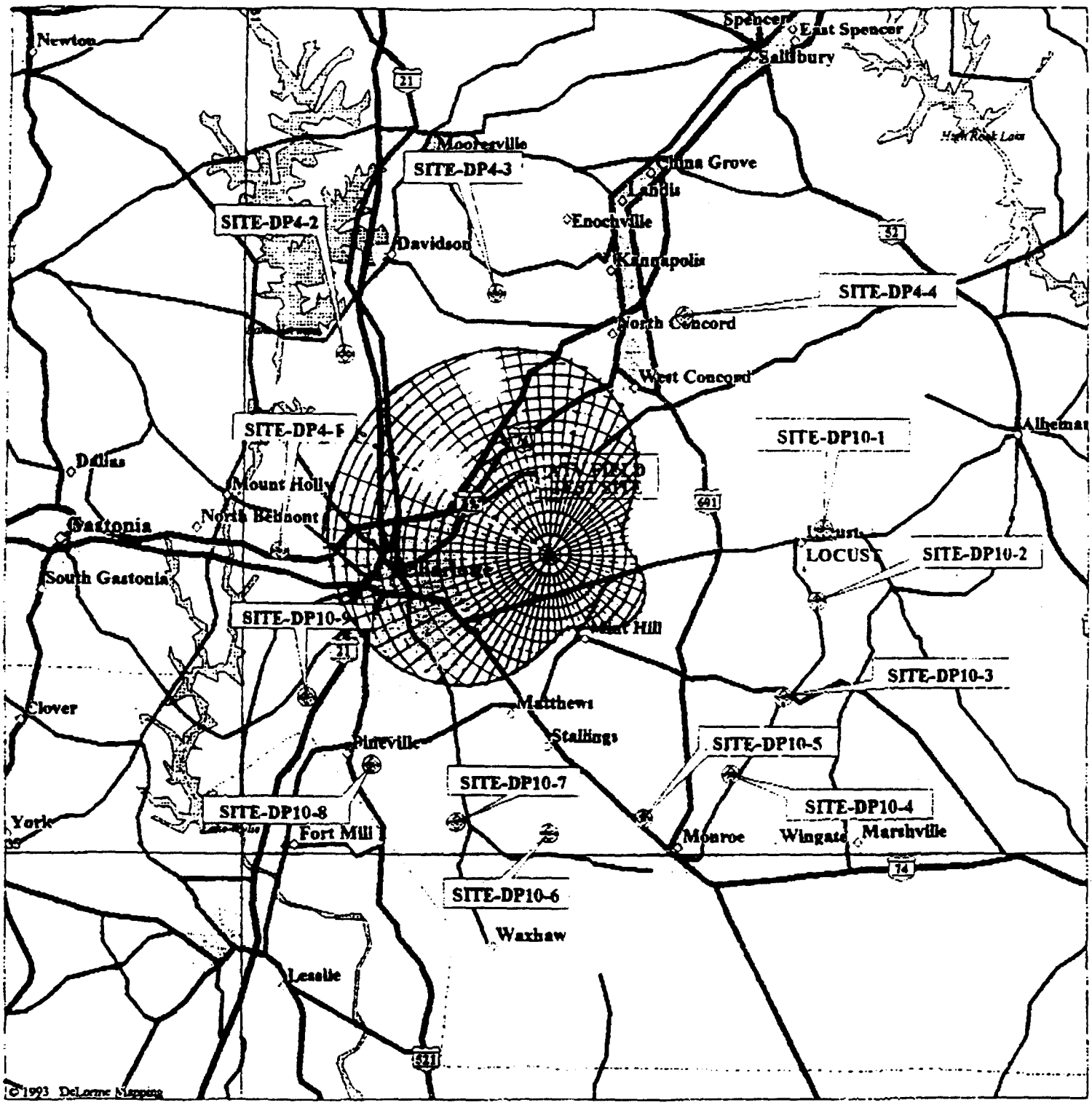
- Population Center
- Town, Small City
- Large City
- US Highway
- State/Prov Boundary
- Major Street/Road
- State Route
- Interstate Highway
- US Highway
- Open Water

Scale 1:500,000 (at center)

10 Miles

10 KM

DIRECTIONAL PATTERN TESTS
Mag 10.00
Fri Sep 16 15:23:20 1994



LEGEND

- Population Center
- Town, Small City
- Large City
- US Highway
- State/Prov Boundary
- Major Street/Road
- State Route
- Interstate Highway
- US Highway
- Open Water

Scale 1:500,000 (at center)

10 Miles

10 KM

ATV DIRECTIONAL PATTERN TEST

Mag 10.0

Fri Sep 09 09:15:43 1994

NTSC SIGNAL TABULATED DATA DESCRIPTION

Column no.	Description
1	Site number
2	Date measurement was taken
3	Site coordinate
4	Distance in miles from the transmitter
5	Azimuth in degree of the receiving antenna.
6	Median field strength in dBuV/m of the 100-foot run
7	Standard deviation of the signal in dB for the 100-foot run
8	Signal level at dBm at a stationary location in the middle of the 100-foot run
9	Field strength in dBuV/m at a stationary location in the middle of the 100-foot run
10	CCIR impairment rating when the Ghost Canceler was off
11	CCIR impairment rating when the Ghost Canceler was on
12	Noise floor in dBm over a 6 Mhz bandwidth
13	Carrier-to-Noise (C/N) in dB as defined for an NTSC signal

APPENDIX 5

TESTING OF THE GRAND ALLIANCE HDTV TRANSMISSION SUBSYSTEM

DATA

TERRESTRIAL ATV TEST DATA SUMMARY (CHAN 6)

Charlotte Grid

NTSC SIGNAL													
SITE NO	DATE	SITE_COORDINATE		DISTANCE (MI)	AZIMUTH (DEG)	FIELD STRENGTH MED(dBuV/m)	STANDARD DEVIATION (dB)	SIGNAL LEVEL (dBm)	FIELD STRENGTH (dBuV/m)	IMPAIRMENT		NOISE FLOOR (dBm)	C/N (dB)
										GC_OFF (CCIR)	GC_ON (CCIR)		
C1-1	05/20/94	35 13 19 N	80 51 21 W	9.6	216			-26.3	83.1	3.5	4	-70.4	44.1
C1-2	05/20/94	35 13 25 N	80 50 62 W	9.1	275			-27.3	72.1	2	3	-67	39.7
C1-3	05/20/94	35 13 12 N	80 49 81 W	8.4	30			-14.4	72	3	3.5	-53	38.6
C1-4	05/20/94	35 12 68 N	80 51 13 W	9.7	220			-20	89.4	5	5	-72.3	52.3
C1-5	05/20/94	35 12 84 N	80 50 07 W	8.7	245			-19.9	79.5	3.5	4.5	-68.4	48.5
C1-6	05/20/94	35 12 32 N	80 51 11 W	9.8	297			-19.1	77.3	3	4	-68.5	49.4
C1-7	05/20/94	35 12 34 N	80 50 56 W	9.3	216			-20	78.4	4	4.5	-65.6	45.6
C1-8	05/20/94	35 12 35 N	80 50 03 W	8.8	336			-19.5	70.9	3	3.5	-57.8	38.3
G1A1	05/19/94	35 14 61 N	80 52 68 W	10.8	154	84	1.71	-18.8	79.8	3.5	3.5	-61.6	42.8
G1A2	05/19/94	35 14 49 N	80 51 64 W	9.6	180	84.8	0.73	-20	80.6	3	3	-61	41
G1A3	05/13/94	35 14 40 N	80 50 49 W	8.7	45	77.9	5.09	-20	68.4	1	1.5	-54.8	34.8
G1A4	05/12/94	35 14 46 N	80 49 51 W	7.86	128	78.4	3.91	-22.8	73.7	2.5	2.5	-62.6	39.8
G1A5	08/11/94	35 14 56 N	80 48 51 W	6.9	345	85.4	1.68	-17	86.9	2	2	-61.1	44.1
G1B1	05/19/94	35 13 59 N	80 52 80 W	11	340	85.8	0.95	-15.7	82.9	4	4.5	-65.7	50
G1B2	05/19/94	35 13 68 N	80 51 56 W	9.9	130	74.7	4.32	-23.2	70.4	1	1.5	-59.1	35.9
G1B3	05/17/94	35 13 78 N	80 50 68 W	9	225	75.8	4.08	-17.4	76.2	3.5	4	-60	42.6
G1B4	05/12/94	35 13 53 N	80 49 49 W	8	130	73.6	1.6	-21.2	72.3	2	2.5	-62	40.8
G1B5	08/11/94	35 13 68 N	80 48 54 W	7.1	250	90.2	1.67	-18	87.9	4.5	5	-73.5	55.5
G1C1	05/19/94	35 12 80 N	80 52 75 W	11.2	24	85.3	1.18	-18.2	82.4	4.5	4.5	-68.6	50.4
G1C2	05/18/94	35 12 76 N	80 51 59 W	10.1	110	75	1.66	-23	70.5	2.5	2.5	-57.4	34.4
G1C3	05/17/94	35 12 62 N	80 50 60 W	9.2	90	56.9	1.91	-19.8	74.8	1.5	2	-57.6	37.8
G1C4	05/12/94	35 12 94 N	80 49 47 W	8.1	340	76.3	1.5	-21.8	71.7	3.5	3.5	-70.2	48.4
G1C5	08/11/94	35 12 71 N	80 48 39 W	7.29	35	84.6	1.22	-17.2	82.7	4.5	5	-72.8	55.6
G1D1	05/19/94	35 11 98 N	80 52 77 W	11.4	272	85.6	0.7	-17.9	83.7	4.5	5	-70.1	52.2
G1D2	05/18/94	35 11 46 N	80 51 37 W	10.5	287	84.3	2.35	-23.4	76.1	3.5	3	-65.8	42.4
G1D3	05/18/94	35 11 92 N	80 50 68 W	9.6	35	76.6	1.67	-25.7	67.8	1	1.5	-58.5	32.8
G1D4	05/11/94	35 11 94 N	80 49 51 W	8.6	232	75.5	2.21	-27.3	69.2	3.5	3.5	-73.1	45.8
G1D5	08/11/94	35 11 92 N	80 48 37 W	7.67	215	85	0.69	-17.4	82.5	4		-70.9	53.5
G1E1	05/19/94	35 10 95 N	80 52 86 W	11.9	120	84.5	0.91	-22.3	77.3	3.5	3.5	-60.9	38.6
G1E2	05/18/94	35 11 03 N	80 51 61 W	10.9	38	73.2	0.88	-23.7	65.8	2.5	3	-54.6	30.9
G1E3	05/18/94	35 11 11 N	80 50 66 W	10	260	72.6	1.54	-28	67.5	1	1	-57	29
G1E4	05/11/94	35 11 02 N	80 49 52 W	9.1	135	66.8	3.17	-21	62.5	1	1	-57.5	36.5
G1E5	05/17/94	35 11 06 N	80 48 66 W	8.4	300	81	1.36	-21.9	75.7	3.5	3.5	-61.4	39.5

TERRESTRIAL ATV TEST DATA SUMMARY (CHAN 6)

Rock Hill Grid

NTSC SIGNAL													
SITE NO	DATE	SITE_COORDINATE		DISTANCE (MI)	AZIMUTH (DEG)	FIELD STRENGTH MED(dBuV/m)	STANDARD DEVIATION (dB)	SIGNAL LEVEL (dBm)	FIELD STRENGTH (dBuV/m)	IMPAIRMENT		NOISE FLOOR (dBm)	C/N (dB)
										GC_OFF (CCIR)	GC_ON (CCIR)		
C2-1	07/20/94	34 57 17 N	81 02 26 W	28.75	255	73.9	0.98						
C2-2	07/20/94	34 57 12 N	81 01 52 W	28.35	30	70.5	0.62						
C2-3	07/20/94	34 57 16 N	81 01 26 W	28	45	73	0.74						
C2-4	07/20/94	34 56 46 N	81 02 17 W	28.98	30	68.8	1.1						
C2-5	07/20/94	34 56 47 N	81 01 24 W	28.4	100	70.4	2.17						
C2-6	07/20/94	34 56 35 N	81 02 32 W	29.36	15	67.2	0.5						
C2-7	07/20/94	34 56 15 N	81 01 52 W	29.2	55	60.7	2.26						
C2-8	07/20/94	34 56 19 N	81 01 28 W	28.85	320	62.1	1.55						
G2A1	07/12/94	34 58 56 N	81 04 02 W	28.71	55	69.1	0.72	-21.1	69.6	3	3	-62	40.9
G2A2	07/12/94	34 58 57 N	81 02 96 W	27.98	315	66.4	2.4	-22.2	62.5	2.5	2.5	-63.4	41.2
G2A3	07/12/94	34 58 51 N	81 02 01 W	27.37	13	70.2	0.33	-16.4	69.3	4	4	-62	45.6
G2A4	07/12/94	34 58 48 N	81 00 83 W	26.6	320	53.1	5.73	-41.9	46.8	1	1	-66.2	24.3
G2A5	07/12/94	34 58 63 N	80 59 85 W	25.8	230	65.9	0.83	-20.8	63.9	3	3	-58.9	38.1
G2B1	07/12/94	34 57 40 N	81 04 02 W	29.4	320	64.8	0.99	-32.4	64.3	2.5	2.5	-69.7	37.3
G2B2	07/12/94	34 57 69 N	81 02 90 W	28.63	180	69.8	0.61	-15.2	68.5	2	2	-53	37.8
G2B3	07/14/94	34 57 71 N	81 02 04 W	28	0	71.5	0.29	-19.6	70.1	2	2	-60.5	40.9
G2B4	07/14/94	34 57 78 N	81 00 91 W	27.25	45	70	0.55	-17.6	69.1	1	1	-50.7	33.1
G2B5	07/14/94	34 57 67 N	80 59 93 W	26.7	180	72.7	0.81						
G2C1	07/15/94	34 56 82 N	81 03 93 W	30.03	270	55.9	4.7						
G2C2	07/15/94	34 56 46 N	81 02 59 W	29.4	245	72.3	1.32						
G2C3	07/14/94	34 56 56 N	81 01 51 W	28.56	215	63.5	3.7						
G2C4	07/14/94	34 56 47 N	81 00 91 W	28.1	325	69.2	0.3						
G2C5	07/14/94	34 56 78 N	80 59 75 W	27.4	60	60.4	0.55						
G2D1	07/15/94	34 55 55 N	81 03 56 W	30.7	45	63.1	0.78						
G2D2	07/15/94	34 55 97 N	81 02 53 W	30.05	180	66.2	0.58						
G2D3	07/15/94	34 55 56 N	81 01 55 W	29.46	5	59.2	1.61						
G2D4	07/19/94	34 56 00 N	81 00 49 W	28.7	35	68.3	0.46						
G2D5	07/19/94	34 55 58 N	80 59 35 W	28	330	73.1	0.9						
G2E1	07/19/94	34 54 50 N	81 03 56 W	31.68	335	59.7	1.57						
G2E2	07/19/94	34 55 02 N	81 02 49 W	30.8	0	61.7	1.34						
G2E3	07/19/94	34 55 10 N	81 01 52 W	30.1	60	58.9	1.81						
G2E4	07/19/94	34 55 13 N	81 00 52 W	29.5	10	72.1	0.61						
G2E5	07/19/94	34 55 13 N	80 59 48 W	27.9	190	65.7	0.88						

TERRESTRIAL ATV TEST DATA SUMMARY (CHAN 6)

Close-In Grid and Radial Measurements

NTSC SIGNAL													
SITE NO	DATE	SITE_COORDINATE		DISTANCE (MI)	AZIMUTH (DEG)	FIELD STRENGTH MED(dBuV/m)	STANDARD DEVIATION (dB)	SIGNAL LEVEL (dBm)	FIELD STRENGTH (dBuV/m)	IMPAIRMENT		NOISE FLOOR (dBm)	C/N (dB)
										GC_OFF (CCIR)	GC_ON (CCIR)		
C3-1	07/21/94	35 14 10 N	80 43 54 W	2.76	15	105.2	1.19						
C3-2	07/21/94	35 14 32 N	80 43 01 W	1.83	250	102.5	1.72						
C3-3	07/21/94	35 13 25 N	80 43 20 W	2.79	30	108	0.59						
C3-4	07/21/94	35 13 53 N	80 42 27 W	1.83	330	114.8	0.46						
C3-5	07/21/94	35 13 56 N	80 43 15 W	2.35	150	102.8	1.63						
R050-1	06/09/94	35 20 34 N	80 33 48 W	9.38	120	88.6	0.6	-17.3	86.3	4	4	-70.4	53.1
R050-2	06/09/94	35 22 43 N	80 30 58 W	13	95	63.2	1.21	-16.8	80.8	4	4	-67.1	50.3
R050-3	06/09/94	35 24 19 N	80 28 25 W	16	125	56.3	1.07	-20.4	77.2	3.5	3.5	-68.2	47.8
R050-4	06/09/94	35 25 28 N	80 25 34 W	18.92	5	55.2	0.46	-23.2	69.4	3	3	-63.2	40
R050-5	06/09/94	35 27 20 N	80 23 42 W	21.6	120	56.3	0.97	-21	67.6	2.5	3	-62.3	41.3
R050-6	06/09/94	35 28 59 N	80 21 15 W	24.62	230	48.7	1.31	-22	69.6	2.5	3	-66.4	44.4
R050-7	06/09/94	35 30 34 N	80 18 42 W	27.6	340	43.2	0.85	-19	70.6	3	3	-60.9	41.9
R050-8	06/17/94	35 32 11 N	80 16 24 W	30.5	275	36.4	1.11	-23.6	60	2		-55.3	31.7
R050-9	06/17/94	35 33 58 N	80 13 76 W	33.4	120	80.1	1.11	-24.9	61.7	3		-63.4	38.5
R050S10	06/17/94	35 35 80 N	80 11 08 W	36.97	180	78.6	0.28	-24	62.6	2.5		-58.9	34.9
R050S11	06/17/94	35 37 19 N	80 08 33 W	39.9	60	71.1	0.69	-27.8	55.8	2		-57.5	29.7
R050S12	06/17/94	35 38 88 N	80 06 11 W	42.8	85	67.5	0.91	-30.6	56	2		-63.8	33.2
R050S13	06/16/94	35 40 65 N	80 03 54 W	45.9	200	70.6	0.41	-28.2	55.5	2		-59.3	31.1
R050S14	06/16/94	35 42 07 N	80 01 25 W	48.7	20	73	6.53	-42.5	41.2	1		-58.8	16.3
R050S15	06/16/94	35 43 93 N	79 58 74 W	51.8	310	60.2	1.06	-41.3	42.4	1		-62.1	20.8
R050S16	06/16/94	35 45 40 N	79 55 86 W	55.18	270	62.6	3.85	-40	43.7	1		-58.1	18.1
R085-1	06/18/94	35 15 54 N	80 30 22 W	10.2	350	78.1	0.9	-19.3	80.4	5		-72.5	53.2
R085-2	06/18/94	35 16 51 N	80 27 36 W	13.1	160	59.8	1.23	-15.1	85.6	4		-58	42.9
R085-3	06/18/94	35 16 29 N	80 24 20 W	16	353	62.4	0.71	-25.6	68.1	3		-68.2	42.6
R085-4	06/18/94	35 16 22 N	80 21 09 W	18.9	70	72	0.61	-20.9	69.8	3.5		-66.3	45.4
R085-5	06/18/94	35 16 99 N	80 17 99 W	21.9	130	53.9	0.67	-24.6	63.1	3		-63	38.4
R085-6	06/18/94	35 16 51 N	80 14 42 W	24.99	340	57.9	0.82	-24	60.7	3		-64.5	40.5
R085-7	06/18/94	35 17 08 N	80 11 36 W	27.9	320	60	0.64	-19.8	72.9	4		-67.8	48
R085-8	06/20/94	35 17 13 N	80 08 28 W	30.8	355	52.2	0.5	-22	64.6	2		-52.1	30.1
R085-9	06/20/94	35 17 52 N	80 04 55 W	34.2	265	65.9	1.84	-29	58.6	2		-65	36
R085S10	06/21/94	35 18 14 N	80 01 56 W	37	325	70.2	2.05	-28.7	57	1		-52.4	23.7
R085S11	06/21/94	35 18 02 N	79 58 44 W	40.3	30	70.7	0.44	-26.2	61.5	3		-59.1	32.9
R085S12	06/21/94	35 18 14 N	79 55 36 W	43	280	63.7	1.19	-31.9	55.8	1		-64.8	32.9

TERRESTRIAL ATV TEST DATA SUMMARY (CHAN 6)

Close-In Grid and Radial Measurements

NTSC SIGNAL													
SITE NO	DATE	SITE_COORDINATE		DISTANCE (MI)	AZIMUTH (DEG)	FIELD STRENGTH MED(dBuV/m)	STANDARD DEVIATION (dB)	SIGNAL LEVEL (dBm)	FIELD STRENGTH (dBuV/m)	IMPAIRMENT		NOISE FLOOR (dBm)	C/N (dB)
										GC_OFF (CCIR)	GC_ON (CCIR)		
R085S13	06/21/94	35 18 33 N	79 52 51 W	45.6	75	61.7	1.27	-34.8	52.9	1		-63.1	28.3
R085S14	06/21/94	35 19 46 N	79 49 31 W	48.8	305	73.9	0.35	-29.5	57.2	2.5		-63.8	34.3
R085S15	06/21/94	35 18 49 N	79 46 17 W	51.8	165	65.4	0.81	-29.6	58.1	1.5		-64	34.4
R085S16	06/21/94	35 19 18 N	79 43 02 W	54.9	300	59.9	3.27	-31	52.7	1		-50.2	19.2
R110-1	06/22/94	35 12 05 N	80 30 49 W	10.3	355	88	0.47	-20.9	86.8	4	4.5	-74.6	53.7
R110-2	06/22/94	35 11 01 N	80 28 16 W	13	20	56.2	0.26	-20.3	82.4	5	5	-72.9	52.6
R110-3	06/22/94	35 10 25 N	80 25 04 W	16.1	190	67	0.33	-20.9	77.8	4.5	5	-72.4	51.5
R110-4	06/22/94	35 09 25 N	80 22 23 W	18.9	290	60.1	[illegible]	-19.7	77	4	4	-70.3	50.6
R110-5	06/22/94	35 08 52 N	80 19 16 W	22.1	42	53.4	[illegible]	-21.3	76.4	4	4.5	-70.3	49
R110-6	06/28/94	35 07 04 N	80 15 52 W	25.5	255	64.3	0.33	-20	77.7	3.5	3.5	-63.2	43.2
R110-7	06/28/94	35 06 29 N	80 13 22 W	28.01	85	48.3	1.05	-23.8	63.9	2	2	-58.1	34.3
R110-8	06/28/94	35 05 29 N	80 09 53 W	31.4	285	48.8	1.92	-22.2	66.5	1	1	-47.6	25.4
R110-9	06/28/94	35 04 52 N	80 07 23 W	33.9	150	83	0.92	-26.9	60.8	1.5	1.5	-55.5	28.6
R110S10	06/24/94	35 03 47 N	80 04 44 W	36.7	290	78.8	1.35	-29.1	56.6	2	2	-61.5	32.4
R110S11	06/24/94	35 02 52 N	80 00 46 W	40.5	280	78.7	0.37	-21.2	66.5	3	3	-62	40.8
R110S12	06/24/94	35 02 31 N	79 58 20 W	42.88	340	77.8	0.54	-23.7	60	3	3	-60.1	36.4
R110S13	06/24/94	35 01 30 N	79 55 37 W	45.98	135	78.5	1.51	-32.8	50.9	1	1	-60.7	27.9
R110S14	06/23/94	35 00 29 N	79 51 58 W	49.3	-10	65.6	0.32	-24	63.6	1	1	-53.4	29.4
R110S15	06/23/94	34 59 15 N	79 49 18 W	52.2	200	67.2	1.22	-36.8	46.8	1	1	-54.9	18.1
R110S16	06/23/94	35 58 36 N	79 46 34 W	54.8	355	62	1.01	-34	49.6	1	1	-45.1	11.1
R185-1	06/29/94	35 06 28 N	80 42 13 W	9.98	103	82.1	0.88	-16.1	82.6	4	4	-72	55.9
R185-2	06/29/94	35 03 48 N	80 42 13 W	13.04	90	61	2	-29.3	71.4	3.5	3.5	-72.9	43.6
R185-3	06/29/94	35 01 11 N	80 42 34 W	16.07	205	64	1.5	-28.9	77.8	4	4	-73.8	44.9
R185-4	06/29/94	34 58 48 N	80 42 55 W	18.84	330	59.2	0.46	-25.8	72.9	4	4	-73.3	47.5
R185-5	06/29/94	34 56 02 N	80 42 59 W	22.02	70	57.4	1.48	-25.6	70.1	3.5	3.5	-67.6	42
R185-6	07/01/94	34 53 33 N	80 43 34 W	24.9	310	54.4	1.18	-21.6	69	4	4	-67.8	46.2
R185-7	07/01/94	34 50 38 N	80 43 48 W	28.28	115	50.3	1.14	-20	68.6	4	4	-63.5	43.5
R185-8	07/01/94	34 48 18 N	80 44 09 W	30.98	215	43.3	0.81	-25.6	61	2.5	2.5	-59.5	33.9
R185-9	07/05/94	34 45 25 N	80 43 33 W	34.25	65	74.2	0.68	-24.8	61.9	2.5	2	-60.4	35.6
R185S10	07/05/94	34 42 52 N	80 44 20 W	37.2	75	77.6	1.85	-27.3	56.4	2	2	-58.8	31.5
R185S11	07/05/94	34 40 14 N	80 44 50 W	40.29	105	73.4	1.27	-28.3	64.4	2.5	2.5	-65.3	37
R185S12	07/05/94	34 37 37 N	80 [illegible] 55 W	43.3	275	72.7	0.34	-35.8	58.9	2.5	2.5	-65	29.2
R185S13	06/30/94	34 35 42 N	80 45 09 W	45.84	295	72.8	0.62	-30.8	56.7	1.5	1.5	-58.5	27.7

TERRESTRIAL ATV TEST DATA SUMMARY (CHAN 6)

Close-In Grid and Radial Measurements

NTSC SIGNAL													
SITE NO	DATE	SITE_COORDINATE		DISTANCE (MI)	AZIMUTH (DEG)	FIELD STRENGTH MED(dBuV/m)	STANDARD DEVIATION (dB)	SIGNAL LEVEL (dBm)	FIELD STRENGTH (dBuV/m)	IMPAIRMENT		NOISE FLOOR (dBm)	C/N (dB)
										GC_OFF (CCIR)	GC_ON (CCIR)		
R185S14	06/30/94	34 32 47 N	80 45 41 W	49.2	220	70.1	1	-32	54.5	2	2	-59.6	27.6
R185S15	06/30/94	34 30 21 N	80 46 27 W	51.9	150	61.3	0.78	-38.6	50.9	1	1	-61.8	23.2
R185S16	06/30/94	34 27 89 N	80 46 05 W	54.5	100	63.2	1.68	-37.9	45.6	1		-56.5	18.6
R215-1	07/11/94	35 07 56 N	80 47 15 W	10.02	290	74.1	1.45	-18.2	75.5	4	4	-69.9	51.7
R215-2	07/11/94	35 05 38 N	80 48 46 W	13.02	330	33.5	0.52	-17.5	82.1	5	5	-71.7	54.2
R215-3	07/11/94	35 03 36 N	80 49 57 W	15.6	150	46.6	1.44	-22.5	72.1	3.5	3.5	-60.5	38
R215-4	07/11/94	35 01 47 N	80 53 08 W	19	245	50.7	0.83	-19.9	78.7	3	3	-61.4	41.5
R215-5	07/11/94	34 59 30 N	80 54 43 W	22	300	55	0.9	-20	75.6	2.5	2.5	-60	40
R215-6	07/11/94	34 57 19 N	80 56 40 W	25.29	330	56.1	0.69	-25.3	62.3	2	2	-62.5	37.2
R215-7	07/07/94	34 54 44 N	80 58 26 W	28.5	30	55.1	1.45	-31.2	66.6	3	3	-65.7	34.5
R215-8	07/07/94	34 53 07 N	80 59 39 W	30.7	40	46.8	2.38	-41.3	63.5	1	1	-65.9	24.6
R215-9	07/07/94	34 51 01 N	81 01 40 W	33.8	260	82.5	3.71	-46.2	59.6	1	1	-70.3	24.1
R215S10	07/07/94	34 48 46 N	81 03 47 W	37.06	225	74.8	2.62	-56	57.8	1	1	-66.6	10.6
R215S11	07/07/94	34 46 32 N	81 05 27 W	40.06	75	68.4	1.03	-51	53.8	1	1	-66.7	15.7
R215S12	07/06/94	34 44 05 N	81 07 12 W	43.32	30	77.1	0.47	-46.5	51.2	1	1	-69	22.5
R215S13	07/06/94	34 41 56 N	81 09 02 W	46.35	305	62.4	1	-42.1	55.6	1	1	-66.2	24.1
R215S14	07/06/94	34 39 53 N	81 11 32 W	49.6	10	66.3	0.69	-42.7	56	1	1	-69	26.3
R215S15	07/06/94	34 38 37 N	81 14 00 W	52.2	30	58.5	0.64	-40.6	55.1	1	1	-65.8	25.2
R215S16	07/06/94	34 37 34 N	81 14 44 W	53.57	45	56.6	1.05	-40	49.7	1		-62.5	22.5
R270-1	05/23/94	35 15 35 N	80 52 14 W	10.2	195	86	2.49	-17	84.4	3	3.5	-61.9	44.9
R270-2	05/23/94	35 15 09 N	80 55 04 W	13	55	60.6	1.1	-18.7	75.7	2	2	-60	41.3
R270-3	05/24/94	35 15 21 N	80 57 67 W	15.5	155	60.5	0.72	-15.2	71.4	1	1	-49	33.8
R270-4	05/24/94	35 15 11 N	80 01 30 W	18.9	190	49.2	1.07	-16.2	69.4	1	1	-45	28.8
R270-5	05/24/94	35 15 13 N	80 04 36 W	22	335	58.5	1.19	-16.6	71	2	2	-55.6	39
R270-6	05/24/94	35 15 01 N	81 07 84 W	25	350	52.5	0.76	-16.7	75.9	2	2	-50.4	33.7
R270-7	05/25/94	35 15 06 N	81 10 53 W	28	270	50.5	1.01	-17.6	65.8	3	3	-57.3	39.7
R270-8	05/25/94	35 14 90 N	81 13 74 W	30.5	270	46	0.69	-22.1	61.3	3	3	-56.8	34.7
R270-9	05/25/94	35 15 43 N	81 17 10 W	33.7	60	81.4	1.88	-17.5	65.9	2	2	-54.4	36.9
R270S10	05/25/94	35 15 22 N	81 20 50 W	36.9	15	72.6	1.66	-24	59.4	1	1	-52.7	28.7
R270S11	05/26/94	35 15 22 N	81 22 54 W	39.2	20	71	0.4	-25	58.6	1	1	-55.2	30.2
R270S12	05/26/94	35 15 14 N	81 26 84 W	42.9	260	72.8	0.69	-35	48.6	1	1	-52.5	17.5
R270S13	05/26/94	35 15 09 N	81 29 58 W	45.9	80	67.7	1.28	-25.5	58.1	1	1	-50.2	24.7
R270S14	05/26/94	35 14 56 N	81 33 04 W	48.79	355	66.5	0.57	-32	51.6	1	1	-50.8	18.8

TERRESTRIAL ATV TEST DATA SUMMARY (CHAN 6)

Close-In Grid and Radial Measurements

NTSC SIGNAL													
SITE NO	DATE	SITE_COORDINATE		DISTANCE (MI)	AZIMUTH (DEG)	FIELD STRENGTH MED(dBuV/m)	STANDARD DEVIATION (dB)	SIGNAL LEVEL (dBm)	FIELD STRENGTH (dBuV/m)	IMPAIRMENT		NOISE FLOOR (dBm)	C/N (dB)
										GC_OFF (CCIR)	GC_ON (CCIR)		
R270S15	05/26/94	35 15 19 N	81 36 30 W	52	100	62.3	1.23	-39	44.6	1		-47.9	8.9
R270S16	05/26/94	35 15 06 N	81 39 34 W	54.9	5	45	2.52						
R300-1	05/31/94	35 19 09 N	80 50 25 W	9.8	340	83.8	0.25	-15	82.5	3	3.5	-65	50
R300-2	06/04/94	35 20 58 N	80 53 59 W	13.3	20	59.9	1.02	-18.3	78.2	3	3	-64.1	45.8
R300-3	06/04/94	35 22 21 N	80 56 02 W	16	126	60.7	0.52	-14.4	76.1	2.5	2.5	-60.1	45.7
R300-4	06/04/94	35 23 28 N	80 58 88 W	19.01	272	67.3	2.32	-14.4	70.1	2	2.5	-58	43.6
R300-5	06/04/94	35 24 21 N	81 01 70 W	21.9	315	65.2	0.98	-16.4	67.1	1	1	-50.8	34.4
R300-6	06/06/94	35 26 07 N	81 04 17 W	25.1	330	69.7	0.77	-28	72.6	1	1.5	-69	41
R300-7	06/06/94	35 27 35 N	81 07 28 W	28.5	295	58.4	2.07	-33.3	70.3	2	2	-72.6	39.3
R300-8	06/07/94	35 28 46 N	81 09 97 W	31	115	56.9	1.27	-30.5	67.1	2.5	2.5	-66.4	35.9
R300-9	06/07/94	35 29 79 N	81 12 54 W	33.9	44	74.4	2.45	-29.6	71	3	3	-69.8	40.2
R300S10	06/07/94	35 30 56 N	81 15 44 W	37.1	216	77.8	0.92	-34.3	60.3	2.5	2.5	-70.2	35.9
R300S11	06/07/94	35 32 01 N	81 18 16 W	39.7	125	66.8	1.11	-35.3	60.3	2	2	-66	30.7
R300S12	06/07/94	35 33 43 N	81 20 96 W	42.88	80	69.7	0.47	-27	65.6	3	2.5	-61.5	34.5
R300S13	06/08/94	35 34 49 N	81 23 45 W	45.9	105	71.7	1.78	-35.2	63.3	2	2	-60.7	25.5
R300S14	06/08/94	35 35 58 N	81 26 32 W	48.8	285	72.9	1.78	-28	67.5	3	3	-57.9	29.9
R300S15	06/08/94	35 37 38 N	81 39 08 W	51.9	326	71	0.47	-35.3	54.2	1.5	1.5	-66.2	30.9
R300S16	06/08/94	35 38 27 N	81 32 35 W	55.19	180	71.6	0.73	-36.6	54.9	1	1	-57.2	20.6
R305-1	05/31/94	35 19 58 N	80 50 19 W	10.2	310	79.4	1	-14.1	76.4	2	2	-35.8	21.7
R305-2	06/04/94	35 21 27 N	80 52 34 W	12.9	180	46.8	1.64	-14.4	77.1	1.5	1.5	-53.3	38.9
R305-3	06/04/94	35 22 99 N	80 55 26 W	16	24	58.7	0.5	-13.4	72.1	2	[illegible]	-52.6	39.2
R305-4	06/04/94	35 24 34 N	80 58 27 W	19.2	100	57.2	0.86	-13.7	79.8	2.5	2.5	-56.8	43.1
R305-5	06/06/94	35 26 02 N	81 00 22 W	21.9	325	53.9	2.56	-40.2	59.4	1	1	-64.1	23.9
R305-6	06/06/94	35 27 45 N	81 03 06 W	25.2	262	61.2	1.41	-40.5	60.1	1	1	-65.5	25
R305-7	06/06/94	35 28 29 N	81 05 44 W	27.7	240	46.6	1.43	-36.9	68.7	1	1	-71.9	35
R305-8	06/15/94	35 30 53 N	81 08 66 W	31.3	295	47.2	0.86	-27.8	63.9	3		-63.1	35.3
R305-9	06/15/94	35 31 47 N	81 11 00 W	33.9	190	80.9	0.67	-25.6	68.1	2		-58.5	32.9
R305S10	06/14/94	35 33 12 N	81 13 42 W	36.9	190	73	1.45	-43.9	44.6	1	1	-60.2	16.3
R305S11	06/14/94	35 34 49 N	81 16 24 W	39.9	210	81.5	1.1	-35.4	58.1	1.5	1.5	-59.9	24.5
R305S12	06/14/94	35 36 32 N	81 19 02 W	43.2	53	60.7	0.9	-31.9	56.6	2		-61.5	29.6
R305S13	06/14/94	35 37 94 N	81 21 19 W	45.9	6	60.6	0.67	-40.8	52.7	0.5	0.5	-53.4	12.6
R305S14	06/10/94	35 39 29 N	81 25 13 W	49.9	325	69.9	1.24	-23.8	59.8	1.5	1.5	-48.2	24.4
R305S15	06/10/94	35 40 58 N	81 27 08 W	52.3	45	64.4	1.99	-43	40.6	1	1	-55.6	12.6

TERRESTRIAL ATV TEST DATA SUMMARY (CHAN 6)

Close-in Grid and Radial Measurements

NTSC SIGNAL													
SITE NO	DATE	SITE_COORDINATE		DISTANCE (MI)	AZIMUTH (DEG)	FIELD STRENGTH MED(dBuV/m)	STANDARD DEVIATION (dB)	SIGNAL LEVEL (dBm)	FIELD STRENGTH (dBuV/m)	IMPAIRMENT		NOISE FLOOR (dBm)	C/N (dB)
										GC_OFF (CCIR)	GC_ON (CCIR)		
R305S16	06/10/94	35 42 44 N	81 29 24 W	55	0	69.1	1.52	-36.7	46.9	1.5	1.5	-64.8	28.1

TERRESTRIAL ATV TEST DATA SUMMARY (CHAN 53)

Charlotte Grid

NTSC SIGNAL													
SITE NO	DATE	SITE_COORDINATE		DISTANCE (MI)	AZIMUTH (DEG)	FIELD STRENGTH MED(dBuV/m)	STANDARD DEVIATION (dB)	SIGNAL LEVEL (dBm)	FIELD STRENGTH (dBuV/m)	IMPAIRMENT		NOISE FLOOR (dBm)	C/N (dB)
										GC_OFF (CCIR)	GC_ON (CCIR)		
C1-1	05/20/94	35 13 19 N	80 51 21 W	9.6	216			-17.3	102.6	4.5	4.5	-71.1	53.8
C1-2	05/20/94	35 13 25 N	80 50 62 W	9.1	275			-17.4	93.5	3.5	4.5	-71	53.6
C1-3	05/20/94	35 13 12 N	80 49 81 W	8.4	30			-16.5	91.4	3	5	-71.1	54.6
C1-4	05/20/94	35 12 68 N	80 51 13 W	9.7	220			-16	100.9	4.5	5	-71	55
C1-5	05/20/94	35 12 84 N	80 50 07 W	8.7	245			-17.4	94.5	3.5	4.5	-71.1	53.7
C1-6	05/20/94	35 12 32 N	80 51 11 W	9.8	297			-16.3	95.6	4.5	5	-71	54.7
C1-7	05/20/94	35 12 34 N	80 50 56 W	9.3	216			-17.5	87.4	4	4.5	-70.9	53.4
C1-8	05/20/94	35 12 35 N	80 50 03 W	8.8	336			-18	80.9	1	2.5	-71.1	53.1
G1A1	05/19/94	35 14 61 N	80 52 68 W	10.8	154	87.3	7.11	-16.2	89.8	4.5	5	-71.1	54.9
G1A2	05/19/94	35 14 49 N	80 51 64 W	9.6	180	96.6	1.58	-16.1	98.9	5	5	-71.1	55
G1A3	05/13/94	35 14 40 N	80 50 49 W	8.7	45	98.3	3.25	-18	100	5	5	-71.1	53.1
G1A4	05/12/94	35 14 46 N	80 49 51 W	7.86	128	99.9	4.83	-17.4	104.4	4.5	5	-70.6	53.2
G1A5	08/11/94	35 14 56 N	80 48 51 W	6.9	345	84.1	8.41	-16	94.4	4	4.5	-71.4	55.4
G1B1	05/19/94	35 13 59 N	80 52 80 W	11	340	93.2	2.5	-15.2	93.8	5	4.5	-71	55.8
G1B2	05/19/94	35 13 68 N	80 51 56 W	9.9	130	92	2.2	-15.7	93.3	4	5	-71.1	55.4
G1B3	05/17/94	35 13 78 N	80 50 68 W	9	225	70.4	12.29	-21	74.3	2	3	-69	48
G1B4	05/12/94	35 13 53 N	80 49 49 W	8	130	81.8	6.85	-17.3	85.5	1.5	1.5	-71.3	54
G1B5	08/11/94	35 13 68 N	80 48 54 W	7.1	250	94.6	4.02	-16	102.4	4.5		-71.3	55.3
G1C1	05/19/94	35 12 80 N	80 52 75 W	11.2	24	91.5	2.87	-15.3	89.7	5	5	-71	55.7
G1C2	05/18/94	35 12 76 N	80 51 59 W	10.1	110	76.3	5.01	-22	73.1	3.5	4.5	-71	49
G1C3	05/17/94	35 12 62 N	80 50 60 W	9.2	90	89.2	6	-16.5	88.8	4.5	5	-70	53.5
G1C4	05/12/94	35 12 94 N	80 49 47 W	8.1	340	90.3	4.05	-21	81.8	2.5	4	-71.2	50.2
G1C5	08/11/94	35 12 71 N	80 48 39 W	7.29	35	88.5	4.31	-17.1	91.3	4		-71.1	54
G1D1	05/19/94	35 11 98 N	80 52 77 W	11.4	272	94.6	3.21	-15	94	4.5	5	-71.1	56.1
G1D2	05/18/94	35 11 46 N	80 51 37 W	10.5	287	84.1	8.54	-15.1	80	5	4.5	-70.9	55.8
G1D3	05/18/94	35 11 92 N	80 50 68 W	9.6	35	69.3	10.6	-21	74.1	3.5	4.5	-70.9	49.9
G1D4	05/11/94	35 11 94 N	80 49 51 W	8.6	232	93.7	5.32	-18	100.2	4	4.5	-70.7	52.7
G1D5	08/11/94	35 11 92 N	80 48 37 W	7.67	215	99.3	1.54	-15.9	103.5	4.5		-71.2	55.3
G1E1	05/19/94	35 10 95 N	80 52 86 W	11.9	120	96	2.92	-16	98	4.5	4.5	-71	55
G1E2	05/18/94	35 11 03 N	80 51 61 W	10.9	38	68.1	4.22	-26.2	68.9	3	4	-70.8	44.6
G1E3	05/18/94	35 11 11 N	80 50 66 W	10	260	56.5	9.4	-34	61.1	1	3	-71.1	37
G1E4	05/11/94	35 11 02 N	80 49 52 W	9.1	135	73.7	10.24	-19	76.2	3	3.5	-65.5	46.5
G1E5	05/17/94	35 11 06 N	80 48 66 W	8.4	300	82.5	5.46	-15.5	88.8	4.5	5	-71.1	55.6

TERRESTRIAL ATV TEST DATA SUMMARY (CHAN 53)

Rock Hill Grid

NTSC SIGNAL													
SITE NO	DATE	SITE_COORDINATE		DISTANCE (MI)	AZIMUTH (DEG)	FIELD STRENGTH MED(dBuV/m)	STANDARD DEVIATION (dB)	SIGNAL LEVEL (dBm)	FIELD STRENGTH (dBuV/m)	IMPAIRMENT		NOISE FLOOR (dBm)	C/N (dB)
										GC_OFF (CCIR)	GC_ON (CCIR)		
C2-1	07/20/94	34 57 17 N	81 02 26 W	28.75	255	78.7	8.12	-16.3	82.1	4	4.5	-71.6	55.3
C2-2	07/20/94	34 57 12 N	81 01 52 W	28.35	30	77	5.07	-21.5	74.9	3.5	4	-71.7	50.2
C2-3	07/20/94	34 57 16 N	81 01 26 W	28	45	89.3	1.96	-16.4	90	4	4.5	-71.5	55.1
C2-4	07/20/94	34 56 46 N	81 02 17 W	28.98	30	80.1	2.88	-15.5	83.9	3.5	4.5	-71.1	55.6
C2-5	07/20/94	34 56 47 N	81 01 24 W	28.4	100	95.2	6.79	-15.3	84.1	4	4	-71.6	56.3
C2-6	07/20/94	34 56 35 N	81 02 32 W	29.36	15	81.3	1.03	-15.2	82.2	3	4.5	-71.4	56.2
C2-7	07/20/94	34 56 15 N	81 01 52 W	29.2	55	65.8	8.73	-27.8	68.6	2	3	-71.7	43.9
C2-8	07/20/94	34 56 19 N	81 01 28 W	28.85	320	61.8	8.4	-34.1	62.3	2	2.5	-71.4	37.3
G2A1	07/12/94	34 58 56 N	81 04 02 W	28.71	55	74.5	7.84	-15.2	80.7	4.5	5	-70.9	55.7
G2A2	07/12/94	34 58 57 N	81 [illegible] W	27.98	315	70.5	8.38	[illegible]	67.9	2.5	3	-71.1	43.1
G2A3	07/12/94	34 58 51 N	81 [illegible] W	27.37	13	81	2.21	[illegible]	84.6	5	4.5	-71.2	55.9
G2A4	07/12/94	34 58 48 N	81 00 83 W	26.6	320	61.2	9.51	-30.2	65.7	3.5	3.5	-70.7	40.5
G2A5	07/12/94	34 58 63 N	80 59 85 W	25.8	230	84.5	1.46	-15.8	87.1	4.5	5	-71.1	55.3
G2B1	07/12/94	34 57 40 N	81 04 02 W	29.4	320	68.2	7.96	-17.4	78.5	4.5	5	-71.1	53.7
G2B2	07/12/94	34 57 69 N	81 02 90 W	28.63	180	89.3	1.93	-15.5	90.4	4.5	5	-70.9	55.4
G2B3	07/14/94	34 57 71 N	81 02 04 W	28	0	76.9	4.66	-17.1	78.8	3.5	3.5	-71.1	54
G2B4	07/14/94	34 57 78 N	81 00 91 W	27.25	45	79.9	2.89	-18.4	77.5	4	4.5	-71.1	52.7
G2B5	07/14/94	34 57 67 N	80 59 93 W	26.7	180	88.3	1.32	-16.1	89.8	4	4.5	-71.7	55.6
G2C1	07/15/94	34 56 82 N	81 03 93 W	30.03	270	45.2	9.77	-41	55.1	1.5	1.5	-71.5	30.5
G2C2	07/15/94	34 56 46 N	81 02 59 W	29.4	245	69.1	8.16	-22.8	73.3	4	4.5	-71.6	48.8
G2C3	07/14/94	34 56 56 N	81 01 51 W	28.56	215	71.5	6.22	-25.4	70.5	3	3	-70.9	45.5
G2C4	07/14/94	34 56 47 N	81 00 91 W	28.1	325	88.4	1.08	-15.3	91.6	4	4.5	-71.2	55.9
G2C5	07/14/94	34 56 78 N	80 59 75 W	27.4	60	82.3	1.37	-15.3	84.6	4	4.5	-71.2	55.9
G2D1	07/15/94	34 55 55 N	81 03 56 W	30.7	45	61	5.93	-38	58.1	1.5	1.5	-71.6	33.6
G2D2	07/15/94	34 55 97 N	81 02 53 W	30.05	180	77.9	1.6	-17.2	78.9	4.5	4.5	-71.6	54.4
G2D3	07/15/94	34 55 56 N	81 01 55 W	29.46	5	72.5	2.13	-21	75.1	3.5	4	-71.6	50.6
G2D4	07/19/94	34 56 00 N	81 00 49 W	28.7	35	77.4	3.76	-21.3	75	4	4.5	-71.2	49.9
G2D5	07/19/94	34 55 58 N	80 59 35 W	28	330	82	3 34	-15.8	86.5	4	4.5	-71.3	55.5
G2E1	07/19/94	34 54 50 N	81 03 56 W	31.68	335	57.3	5.92	-38.2	58.1	2	2	-71.2	33
G2E2	07/19/94	34 55 02 N	81 02 49 W	30.8	0	54	7.06	-35.3	61	3	3	-71.2	35.9
G2E3	07/19/94	34 55 10 N	81 01 52 W	30.1	60	68.8	7.68	-24.3	72	4	4	-71.4	47.1
G2E4	07/19/94	34 55 13 N	81 00 52 W	29.5	10	82.2	1.99	-15.2	83.1	4	4.5	-70.1	54.9
G2E5	07/19/94	[illegible] 13 N	80 59 48 W	27.9	190	69.4	4.91	-22.1	74.2	4	4	-71.4	49.3

TERRESTRIAL ATV TEST DATA SUMMARY (CHAN 53)

Close-In Grid and Radial Measurements

NTSC SIGNAL													
SITE NO	DATE	SITE_COORDINATE		DISTANCE (MI)	AZIMUTH (DEG)	FIELD STRENGTH MED(dBuV/m)	STANDARD DEVIATION (dB)	SIGNAL LEVEL (dBm)	FIELD STRENGTH (dBuV/m)	IMPAIRMENT		NOISE FLOOR (dBm)	C/N (dB)
										GC_OFF (CCIR)	GC_ON (CCIR)		
C3-1	07/21/94	35 14 10 N	80 43 54 W	2.76	15	90.6	2.78	-16	88	3.5	4.5	-71.6	55.6
C3-2	07/21/94	35 14 32 N	80 43 01 W	1.83	250	89.5	8.3	-16.8	96.2	4	4.5	-71.5	54.7
C3-3	07/21/94	35 13 25 N	80 43 20 W	2.79	30	101.6	1.47	-15.6	104.4	3.5	4.5	-71.4	55.8
C3-4	07/21/94	35 13 53 N	80 42 27 W	1.83	330	98	2.89	-17	100	3.5	4.5	-71.6	54.6
C3-5	07/21/94	35 13 56 N	80 43 15 W	2.35	150	81.4	7.14	-16.6	82.4	3.5	4	-71.6	55
R050-1	06/09/94	35 20 34 N	80 33 48 W	9.38	120	103.2	2.26	-15.9	102.9	4.5	5	-71.4	55.5
R050-2	06/09/94	35 22 43 N	80 30 58 W	13	95	84.3	7.24	-17.5	84.3	4	4.5	-71.4	53.9
R050-3	06/09/94	35 24 19 N	80 28 25 W	16	125	86.8	5.82	-17.4	84.4	4	4.5	-71.4	54
R050-4	06/09/94	35 25 28 N	80 25 34 W	18.92	5	85.2	0.98	-16.4	86.4	4	4.5	-71.5	55.1
R050-5	06/09/94	35 27 20 N	80 23 42 W	21.6	120	74.3	3.23	-19.3	76.5	3.5	4	-71.7	52.4
R050-6	06/09/94	35 28 59 N	80 21 15 W	24.62	230	61.4	9.87	-19.3	76.5	3.5	4	-71.5	52.2
R050-7	06/09/94	35 30 34 N	80 18 42 W	27.6	340	84.5	1.47	-16.5	82.3	4	4.5	-71.7	54.8
R050-8	06/17/94	35 32 11 N	80 16 24 W	30.5	275	61.4	6.74	-28.4	67.3	3.5		-71.5	43.1
R050-9	06/17/94	35 33 58 N	80 13 76 W	33.4	120	84.5	8.34	-30	65.7	3.5		-71.5	41.5
R050S10	06/17/94	35 35 80 N	80 11 08 W	36.97	180	61.4	1.39	-16.5	81.2	4		-71.6	55.1
R050S11	06/17/94	35 37 19 N	80 08 33 W	39.9	60	63.7	6.29	-39.3	56.4	2.5		-71.5	32.2
R050S12	06/17/94	35 38 88 N	80 06 11 W	42.8	85	79.8	5.31	-24.7	71	4		-71.5	46.8
R050S13	06/16/94	35 40 65 N	80 03 54 W	45.9	200	54.6	3.18	-29.2	67.1	3.5		-71.8	42.6
R050S14	06/16/94	35 42 07 N	80 01 25 W	48.7	20	33.6	6.97	-60	36.3	1		-71.5	11.5
R050S15	06/16/94	35 43 93 N	79 58 74 W	51.8	310	48.2	6.59	-48.5	47.8	1		-71.7	23.2
R050S16	06/16/94	35 45 40 N	79 55 86 W	55.18	270	40.1	9.21	-50.2	46.1	1		-71.7	21.5
R085-1	06/18/94	35 15 54 N	80 30 22 W	10.2	350	73.1	9.53	-16	84.9	4.5		-71.4	55.4
R085-2	06/18/94	35 16 51 N	80 27 36 W	13.1	160	92.6	4.85	-15.6	93.3	4.5		-71.3	55.7
R085-3	06/18/94	35 16 29 N	80 24 20 W	16	353	70.2	3.02	-25.2	70.7	4		-71.4	46.2
R085-4	06/18/94	35 16 22 N	80 21 09 W	18.9	70	62.6	8.7	-30.5	65.4	3.5		-71.5	41
R085-5	06/18/94	35 16 99 N	80 17 99 W	21.9	130	70.9	2.7	-24	71.9	4.5		-71.5	47.5
R085-6	06/18/94	35 16 51 N	80 14 42 W	24.99	340	69	6.73	-25	70.9	4		-71.3	46.3
R085-7	06/18/94	35 17 08 N	80 11 36 W	27.9	320	88.7	3.29	-16.7	88.2	4.5		-71.4	54.7
R085-8	06/20/94	35 17 13 N	80 08 28 W	30.8	355	66	2.58	-24.5	70.8	4.5		-71.5	46.1
R085-9	06/20/94	35 17 52 N	80 04 55 W	34.2	265	49	8.31	-40.3	55.9	2		-71.6	31.3
R085S10	06/21/94	35 18 14 N	80 01 56 W	37	325	56.7	6.9	-38.1	58.3	2.5		-71.5	33.4
R085S11	06/21/94	35 18 02 N	79 58 44 W	40.3	30	65.2	3.68	-32	64.4	3		-71.6	39.6
R085S12	06/21/94	35 18 14 N	79 55 36 W	43	280	55.1	8.92	-40.8	55.6	2		-71.5	30.7

TERRESTRIAL ATV TEST DATA SUMMARY (CHAN 53)

Close-In Grid and Radial Measurements

NTSC SIGNAL													
SITE NO	DATE	SITE_COORDINATE		DISTANCE (MI)	AZIMUTH (DEG)	FIELD STRENGTH MED(dBuV/m)	STANDARD DEVIATION (dB)	SIGNAL LEVEL (dBm)	FIELD STRENGTH (dBuV/m)	IMPAIRMENT GC_OFF (CCIR)	IMPAIRMENT GC_ON (CCIR)	NOISE FLOOR (dBm)	C/N (dB)
R085S13	06/21/94	35 18 33 N	79 52 51 W	45.6	75	59.4	3.98	-36.8	59.6	2.5		-71.6	34.8
R085S14	06/21/94	35 19 46 N	79 49 31 W	48.8	305	67.5	1.95	-28.5	67.9	4		-71.6	43.1
R085S15	06/21/94	35 18 49 N	79 46 17 W	51.8	165	79.7	3.51	-19.5	76.9	4.5		-72.1	52.6
R085S16	06/21/94	35 19 18 N	79 43 02 W	54.9	300	51.3	5.37	-40.2	56.2	2		-72	31.8
R110-1	06/22/94	35 12 05 N	80 30 49 W	10.3	355	87.4	5.4	-16.9	91.9	4	4.5	-71.5	54.6
R110-2	06/22/94	35 11 01 N	80 28 16 W	13	20	94.1	1.37	-16.5	93.3	4.5	4.5	-71.6	55.1
R110-3	06/22/94	35 10 25 N	80 25 04 W	16.1	190	95	0.65	-15.8	96	4	5	-71.7	55.9
R110-4	06/22/94	35 09 25 N	80 22 23 W	18.9	290	86.4	3.88	-16	90.8	4.5	5	-71.7	55.7
R110-5	06/22/94	35 08 52 N	80 19 16 W	22.1	42	82.4	2.4	-16.1	84.7	4	4.5	-71.6	55.5
R110-6	06/28/94	35 07 04 N	80 15 52 W	25.5	255	93.8	0.77	-16.6	94.1	4.5	5	-71.3	54.7
R110-7	06/28/94	35 06 29 N	80 13 22 W	28.01	85	66.2	2.81	-30.4	65.3	3	3.5	-71.7	41.3
R110-8	06/28/94	35 05 29 N	80 09 53 W	31.4	285	83.2	2.31	-15.9	84.8	4.5	5	-71.2	55.3
R110-9	06/28/94	35 04 52 N	80 07 23 W	33.9	150	57.8	2.[illegible]3	-35.7	60	2.5	2.5	-71.4	35.7
R110S10	06/24/94	35 03 47 N	80 04 44 W	36.7	290	36.1	7.6	-37	59.1	2.5	2.5	-71.3	34.3
R110S11	06/24/94	35 02 52 N	80 00 46 W	40.5	280	86.9	1.06	-14.7	87.4	4.5	5	-71.3	56.6
R110S12	06/24/94	35 02 31 N	79 58 20 W	42.88	340	69.7	7.59	-23	73.1	4	4	-71.5	48.5
R110S13	06/24/94	35 01 30 N	79 55 37 W	45.98	135	47.2	9.13	-43.8	52.3	1	1	-71.2	27.4
R110S14	06/23/94	35 00 29 N	79 51 58 W	49.3	-10	58.1	5.74	-37.8	58.4	2	2	-71.3	33.5
R110S15	06/23/94	34 59 15 N	79 49 18 W	52.2	200	49.3	6.31	-38.4	57.8	2	2	-71.4	33
R110S16	06/23/94	35 58 36 N	79 46 34 W	54.8	355	53.3	2.45	-42.3	53.9	1.5	1.5	-71.8	29.5
R185-1	06/29/94	35 06 28 N	80 42 13 W	9.98	103	82.4	8.43	-18	84.7	4	4.5	-70.7	52.7
R185-2	06/29/94	35 03 48 N	80 42 13 W	13.04	90	72.6	9.26	-17.8	77.9	4	4.5	-70.9	53.1
R185-3	06/29/94	35 01 11 N	80 42 34 W	16.07	205	90.4	1.62	-16.5	92.2	4	5	-71	54.5
R185-4	06/29/94	34 58 48 N	80 42 55 W	18.84	330	82.9	2.5	-1.9	85.8	4	5	-71.2	54.3
R185-5	06/29/94	34 56 02 N	80 42 59 W	22.02	70	73.2	10.24	-15.5	80.2	4	5	-71.2	55.7
R185-6	07/01/94	34 53 33 N	80 43 34 W	24.9	310	79.5	5.88	-17.9	77.8	4.5	5	-70.7	52.8
R185-7	07/01/94	34 50 38 N	80 43 48 W	28.28	115	70.4	9.95	-25.2	70.5	3.5	4	-70.7	45.5
R185-8	07/01/94	34 48 18 N	80 44 09 W	30.98	215	77.4	2.9	-15.9	80.8	4	5	-70.9	55
R185-9	07/05/94	34 45 25 N	80 43 33 W	34.25	65	74.1	2.64	-18.9	76.9	4.5	5	-70.8	51.9
R185S10	07/05/94	34 42 52 N	80 44 20 W	37.2	75	67	7.93	-23.7	72.1	4	4.5	-70.5	46.8
R185S11	07/05/94	34 40 14 N	80 44 50 W	40.29	105	77.3	8.31	-19.6	76.2	4	5	-70.7	51.1
R185S12	07/05/94	34 37 37 N	80 44 55 W	43.3	275	72.1	2.2	-26.3	69.5	3.5	4	-70.4	44.1
R185S13	06/30/94	34 35 42 N	80 45 09 W	45.84	295	78.6	2.25	-16.2	79.4	4.5	5	-71.3	55.1

TERRESTRIAL ATV TEST DATA SUMMARY (CHAN 53)

Close-in Grid and Radial Measurements

NTSC SIGNAL													
SITE NO	DATE	SITE_COORDINATE		DISTANCE (MI)	AZIMUTH (DEG)	FIELD STRENGTH MED(dBuV/m)	STANDARD DEVIATION (dB)	SIGNAL LEVEL (dBm)	FIELD STRENGTH (dBuV/m)	IMPAIRMENT GC_OFF (CCIR)	IMPAIRMENT GC_ON (CCIR)	NOISE FLOOR (dBm)	C/N (dB)
R185S14	06/30/94	34 32 47 N	80 45 41 W	49.2	220	58.4	2.95	-34.4	61.2	2.5	3	-71.1	36.7
R185S15	06/30/94	34 30 21 N	80 46 27 W	51.9	150	62.9	5.82	-29.3	66.3	3.5	4	-71.1	41.8
R185S16	06/30/94	34 27 89 N	80 46 05 W	54.5	100	35.7	5.22	-58	37.6	1		-71.1	13.1
R215-1	07/11/94	35 07 56 N	80 47 15 W	10.02	290	76.8	9.68	-15	84	4	5	-71.2	56.2
R215-2	07/11/94	35 05 38 N	80 48 46 W	13.02	330	89.7	2.41	-14.8	91.2	4.5	5	-71.3	56.5
R215-3	07/11/94	35 03 36 N	80 49 57 W	15.6	150	84.3	6.67	-16.3	87.7	4	4	-68.5	52.2
R215-4	07/11/94	35 01 47 N	80 53 08 W	19	245	88	3.33	-15.5	87.5	4.5	5	-71.1	55.6
R215-5	07/11/94	34 59 30 N	80 54 43 W	22	300	94.3	2.85	-15.9	97.1	4	4	-71.3	55.4
R215-6	07/11/94	34 57 19 N	80 56 40 W	25.29	330	62.1	5.77	-32.1	63.9	3	3.5	-71.2	39.1
R215-7	07/07/94	34 54 44 N	80 58 26 W	28.5	30	77.5	5.23	-19.7	76.2	4.5	5	-70.7	51
R215-8	07/07/94	34 53 07 N	80 59 39 W	30.7	40	74.9	2.28	-19.7	76.2	4	4.5	-70.6	50.9
R215-9	07/07/94	34 51 01 N	81 01 40 W	33.8	260	66.7	7.38	-26.4	69.5	4	4	-70.9	44.5
R215S10	07/07/94	34 48 46 N	81 03 47 W	37.06	225	62.6	6.93	-31.5	64.4	3	3	-70.9	39.4
R215S11	07/07/94	34 46 32 N	81 05 27 W	40.06	75	56.2	6.78	-36	59.9	2.5	2.5	-71.2	35.2
R215S12	07/06/94	34 44 05 N	81 07 12 W	43.32	30	67.3	2.08	-26.5	69.4	4	4	-71	44.5
R215S13	07/06/94	34 41 56 N	81 09 02 W	46.35	305	74.2	0.97	-19.2	76.7	4.5	5	-70.7	51.5
R215S14	07/06/94	34 39 53 N	81 11 32 W	49.6	10	62.5	3.23	-31.2	64.7	3.5	4	-70.9	39.7
R215S15	07/06/94	34 38 37 N	81 14 00 W	52.2	30	72	2.19	-24.5	71.4	4	4	-70.9	46.4
R215S16	07/06/94	34 37 34 N	81 14 44 W	53.57	45	39.6	8.26	-51	44.9	1		-70.9	19.9
R270-1	05/23/94	35 15 35 N	80 52 14 W	10.2	195	96.3	3.15	-15.2	96.2	4.5	5	-70.2	55
R270-2	05/23/94	35 15 09 N	80 55 04 W	13	55	87.9	3.95	-15.3	89.1	4.5	5	-71.4	56.1
R270-3	05/24/94	35 15 21 N	80 57 67 W	15.5	155	82	7.23	-16.4	83.9	4.5	5	-71.4	55
R270-4	05/24/94	35 15 11 N	80 01 30 W	18.9	190	90.5	2.11	-15.2	89.1	4.5	5	-70.2	55
R270-5	05/24/94	35 15 13 N	80 04 36 W	22	335	92.8	1.49	-14.8	94.5	5	5	-70.1	55.3
R270-6	05/24/94	35 15 01 N	81 07 84 W	25	350	71.2	4.11	-14.6	88.7	4.5	5	-70.5	55.9
R270-7	05/25/94	35 15 06 N	81 10 53 W	28	270	63.8	5.79	-19.8	81.9	4.5	5	-70.9	51.1
R270-8	05/25/94	35 14 90 N	81 13 74 W	30.5	270	72.3	4.56	-19.5	76.2	4.5	5	-71.1	51.6
R270-9	05/25/94	35 15 43 N	81 17 10 W	33.7	60	80.7	4.59	-16	79.7	4.5	5	-71.6	55.6
R270S10	05/25/94	35 15 22 N	81 20 50 W	36.9	15	63.1	6.8	-27	68.7	4.5	5	-70.9	43.9
R270S11	05/26/94	35 15 22 N	81 22 54 W	39.2	20	60.5	4	-38	57.4	2	1	-71.2	33.2
R270S12	05/26/94	35 15 14 N	81 26 84 W	42.9	260	44	5.96	-47	48.4	1	1	-71.6	24.6
R270S13	05/26/94	35 15 09 N	81 29 58 W	45.9	80	73.6	4.47	-20.5	74.9	4.5	1	-71.5	51
R270S14	05/26/94	35 14 56 N	81 33 04 W	48.79	355	58.4	1.94	-35.5	59.9	4	4	-70.1	34.6

TERRESTRIAL ATV TEST DATA SUMMARY (CHAN 53)

Close-In Grid and Radial Measurements

NTSC SIGNAL													
SITE NO	DATE	SITE_COORDINATE		DISTANCE (MI)	AZIMUTH (DEG)	FIELD STRENGTH MED(dBuV/m)	STANDARD DEVIATION (dB)	SIGNAL LEVEL (dBm)	FIELD STRENGTH (dBuV/m)	IMPAIRMENT		NOISE FLOOR (dBm)	C/N (dB)
										GC_OFF (CCIR)	GC_ON (CCIR)		
R270S15	05/26/94	35 15 19 N	81 36 30 W	52	100	43.6	6.33	-38	57.4	3	3	-71.6	33.6
R270S16	05/26/94	35 15 06 N	81 39 34 W	54.9	5	57.2	1.49	-32	63.4	1	1.5	-60.1	28.1
R300-1	05/31/94	35 19 09 N	80 50 25 W	9.8	340	106.4	0.7	-16.6	106.7	4	4.5	-70.4	53.8
R300-2	06/04/94	35 20 58 N	80 53 59 W	13.3	20	80.9	6.91	-18	87.6	4	4.5	-71.5	53.5
R300-3	06/04/94	35 22 21 N	80 56 02 W	[illegible]	126	83.6	3.91	-14.8	85.8	4	4.5	-71.6	56.8
R300-4	06/04/94	35 23 28 N	80 58 88 W	[illegible]	272	75	11.38	-17	81.6	3.5		-71.1	54.1
R300-5	06/04/94	35 24 21 N	81 01 70 W	[illegible]	315	75.5	2	-20.3	75.3	3.5	4	-71.7	51.4
R300-6	06/06/94	35 26 07 N	81 04 17 W	[illegible]	330	69.8	8.18	-25.5	70.2	2.5	3	-71.2	45.7
R300-7	06/06/94	35 27 35 N	81 07 28 W	28.5	295	80.6	4.82	-15.8	83.9	4	4.5	-71.2	55.4
R300-8	06/07/94	35 28 46 N	81 09 97 W	31	115	83.8	5.94	-15.5	80.5	3.5	4	-69.4	53.9
R300-9	06/07/94	35 29 79 N	81 12 54 W	33.9	44	90.2	1.83	-17.5	90.5	2.5	3	-59.7	42.2
R300S10	06/07/94	35 30 56 N	81 15 44 W	37.1	216	62.3	5.55	-32.3	63.7	2	2	-66.6	34.3
R300S11	06/07/94	35 32 01 N	81 18 16 W	39.7	125	66.4	7.36	-28.8	67.2	2.5	3	-70.1	41.3
R300S12	06/07/94	35 33 43 N	81 20 96 W	42.88	80	84.7	0.94	-16.6	84.4	4	4	-68.8	52.2
R300S13	06/08/94	35 34 49 N	81 23 45 W	45.9	105	80.4	2.95	-17	82	4	4.5	-71.2	54.2
R300S14	06/08/94	35 35 58 N	81 26 32 W	48.8	285	87.6	1.55	-16.2	85.8	4	3	-71.3	55.1
R300S15	06/08/94	35 37 38 N	81 39 08 W	51.9	326	69.2	1.67	-24.2	71.8	2	2	-63.1	38.9
R300S16	06/08/94	35 38 27 N	81 32 35 W	55.19	180	64.5	4.31	-31.7	64.3	2.5	3	-71.5	39.8
R305-1	05/31/94	35 19 58 N	80 50 19 W	10.2	310	80.6	8.99	-20	75.3	3.5	3	-71.4	51.4
R305-2	06/04/94	35 21 27 N	80 52 34 W	12.9	180	84.2	8.26	-17.5	78.1	3	4	-71.7	54.2
R305-3	06/04/94	35 22 99 N	80 55 26 W	16	24	93.9	1.71	-15.9	94.7	4	4.5	-71.5	55.6
R305-4	06/04/94	35 24 34 N	80 58 27 W	19.2	100	88.1	8.6	-16	88.6	4	4.5	-71.6	55.6
R305-5	06/06/94	35 26 02 N	81 00 22 W	21.9	325	64.1	12.07	-22.5	[illegible]	1	1	-67.7	45.2
R305-6	06/06/94	35 27 45 N	81 03 06 W	25.2	262	54.8	11.19	-30.5	[illegible]	2	3	-71.1	40.6
R305-7	06/06/94	35 28 29 N	81 05 44 W	27.7	240	75.3	1.72	-18.5	77.2	3.5	4	-71.3	52.8
R305-8	06/15/94	35 30 53 N	81 08 66 W	31.3	295	63.4	8.53	-32.5	63.4	3		-71.1	38.6
R305-9	06/15/94	35 31 47 N	81 11 00 W	33.9	190	89.2	1.09	-15.3	90.6	4		-69.9	54.6
R305S10	06/14/94	35 33 12 N	81 13 42 W	36.9	190	61.6	2.71	-29.2	66.5	2	1	-70.2	41
R305S11	06/14/94	35 34 49 N	81 16 24 W	39.9	210	64.9	2.26	-25.3	70.4	2	2	-62.5	37.2
R305S12	06/14/94	35 36 32 N	81 19 02 W	43.2	53	73.8	1.94	-15.4	80.3	4	4.5	-65.6	50.2
R305S13	06/14/94	35 37 94 N	81 21 19 W	45.9	6	73.7	2.61	-18.1	77.6	2	2	-53.6	35.5
R305S14	06/10/94	35 39 29 N	81 25 13 W	49.9	325	54.6	6.85	-40	55.4	1	1	-62.8	22.8
R305S15	06/10/94	35 40 58 N	81 27 08 W	52.3	45	38.3	7.59	-52	43.4	1	1	-71	19

TERRESTRIAL ATV TEST DATA SUMMARY (CHAN 53)

Close-in Grid and Radial Measurements

NTSC SIGNAL													
SITE NO	DATE	SITE_COORDINATE		DISTANCE (MI)	AZIMUTH (DEG)	FIELD STRENGTH MED(dBuV/m)	STANDARD DEVIATION (dB)	SIGNAL LEVEL (dBm)	FIELD STRENGTH (dBuV/m)	IMPAIRMENT		NOISE FLOOR (dBm)	C/N (dB)
										GC_OFF (CCIR)	GC_ON (CCIR)		
R305S16	06/10/94	35 42 44 N	81 29 24 W	55	0	38.1	7.03	-51.8	43.6	1	1	-70.7	18.9

ATV SIGNAL TABULATED DATA DESCRIPTION

Column no.	Description
1	Site number
2	Date measurement was taken
3	Transmitted power indicator. "0" means transmitter operating at "Nominal" power. "6" means transmitter is operating 6 dB above nominal
4	Tap energy in dB of the equalizer
5	Azimuth in degree of the receiving antenna for best ATV reception
6	Signal level in dBm at a stationary location in the middle of the 100-foot run
7	Pilot level of the signal in dBm
8	Comb filter indicator. "0" means Comb filter is out. "1" means Comb filter is in the circuit
9	Measured Cochannel NTSC field strength in dBuV/m at a stationary location in the middle of the 100-foot run
10	Field strength in dBuV/m at a stationary location in the middle of the 100-foot run
11	Noise floor of the ATV signal in dBm
12	Carrier-to-Noise ratio at threshold in dB
13	ATV margin in dB

TERRESTRIAL ATV TEST DATA SUMMARY (CHAN 6)

Charlotte Grid

ATV SIGNAL												
SITE NO	DATE	TRANSMITTER POWER (dB)	TAP ENERGY (dB)	AZIMUTH (DEG)	SIGNAL LEVEL (dBm)	PILOT LEVEL (dBm)	COMB FILTER*	CO-CH FLD STRGH (dBuV/m)	FIELD STRENGTH (dBuV/m)	NOISE FLOOR (dB)	C/N (dB)	MARGIN (dB)
C1-1	05/20/94	0	-15.6	245	-38	-50.8	0	42.4	72.4	-71.8	15.6	44.2
C1-2	05/20/94	0	-8.3	279	-35	-48.4	0	28.4	65.4	-67.9	17.7	30.2
C1-3	05/20/94	0	-14.7	34	-26.4	-37.2	0	37.4	61	-57.4	15.7	18.3
C1-4	05/20/94	0	-21.7	220	-31.4	-43.9	0	35.4	79	-72.3	15.1	51.8
C1-5	05/20/94	0	-17	215	-33.9	-44.6	0	24.4	66.5	-66.8	15.5	33.4
C1-6	05/20/94	0	-17.4	297	-31.5	-42.7	0	27.4	65.9	-68.5	14.8	35.2
C1-7	05/20/94	0	-21.3	215	-30.7	-42.4	0	33.4	68.7	-65.5	14.8	35
C1-8	05/20/94	0	-13.7	355	-30.5	-40.3	1	36.4	60.9	-56.9	18.2	15.2
G1A1	05/19/94	0	-15.5	143	-30.3	-39.8	1	39.6	69.3	-61.4	15.6	30.5
G1A2	05/19/94	0	-14	150	-33.8	-43.2	1	42.6	67.8	-61.7	15.3	29.6
G1A3	05/13/94	6	-3	75	-28.1	-37.3	0	36.4	55.3	-57.6	18.8	9.7
G1A4	05/12/94	0	-10.1	74	-31.9	-46.8	0	34.5	65.6	-63	16.3	27.8
G1A5	08/11/94	0	-20	345	-29	-40.1	0		75.9	-64	15.3	39.7
G1B1	05/19/94	0	-20.4	340	-27.3	-37.7	0	33.6	72.3	-65.1	14.8	38
G1B2	05/19/94	0	-15.6	120	-33.5	-44.1	1	37.6	61.1	-57.6	15.3	18.8
G1B3	05/17/94	0	-13	217	-27.1	-41.8	0	30.6	67.5	-60.6	17.3	26.2
G1B4	05/12/94	0	-19.8	132	-31.6	-41.8	1	35.5	62.9	-62.7	16.7	24.4
G1B5	08/11/94	0	-16.7	250	-30.6	-41.8	0	23.9	76.3	-71.9	16.8	46.5
G1C1	05/19/94	0	-13.5	25	-30.9	-40	0	31.6	70.7	-69.1	15.2	40
G1C2	05/18/94	0	-13.5	17	-32.8	-47.5	1	36.5	61.7	-59.7	16.1	20.8
G1C3	05/17/94	0	-8.2	90	-27.4	-44.5	1	37.6	68.2	-57.5	16.8	24.3
G1C4	05/12/94	0	-19.3	0	-32	-46	0	19.5	62.5	-65.3	15.3	28
G1C5	08/11/94	0	-19.6	35	-28.2	-40.5	0	24.9	72.7	-73.1	17.2	43.7
G1D1	05/19/94	0	-19.5	274	-28.8	-41.5	0	26.6	73.8	-71.2	15.4	45
G1D2	05/18/94	0	-8.5	279	-31.1	-45.1	0	34.5	69.4	-66.9	16.8	35
G1D3	05/18/94	0	-11.1	84	-34.2	-48.9	1	38.5	60.3	-56.4	14.9	17.3
G1D4	05/11/94	0	-19.9	232	-34.9	-46.1	0	19.5	62.6	-68.9	15.3	40.7
G1D5	08/11/94	0	-20.3	215	-28.7	-40.6	0	26.9	72.2	-69.8	15.7	41.4
G1E1	05/19/94	0	-15.3	134	-29.9	-40.1	0	34.6	70.7	-60.8	15.2	31.7
G1E2	05/18/94	0	-7.7	14	-27.8	-42.4	0	32.5	62.7	-55.8	16.9	17.1
G1E3	05/18/94	0	-13.3	250	-39.8	-54.8	1	39.5	56.7	-57	14.2	15
G1E4	05/11/94	0	-17.6	190	-28.1	-41	0	25.5	56.4	-54.4	15.8	10.5
G1E5	05/17/94	0	-19.5	270	-30.8	-44.7	0	26.6	67.8	-63.6	15.4	31.4

Note : The ATV field strength and margin values were reduced by 6 dB when the transmitter power was +6 dB.

TERRESTRIAL ATV TEST DATA SUMMARY (CHAN 6)

Rock Hill Grid

ATV SIGNAL												
SITE NO	DATE	TRANSMITTER POWER (dB)	TAP ENERGY (dB)	AZIMUTH (DEG)	SIGNAL LEVEL (dBm)	PILOT LEVEL (dBm)	COMB FILTER*	CO-CH FLD STRGH (dBuV/m)	FIELD STRENGTH (dBuV/m)	NOISE FLOOR (dB)	C/N (dB)	MARGIN (dB)
C2-1	07/20/94											
C2-2	07/20/94											
C2-3	07/20/94											
C2-4	07/20/94											
C2-5	07/20/94											
C2-6	07/20/94											
C2-7	07/20/94											
C2-8	07/20/94											
G2A1	07/12/94	0	-18.5	55	-33.1	-44.3	0	25.7	58.6	-64.1	15	23
G2A2	07/12/94	0	-15.6	315	-33.3	-44.7	0	16.7	52.4	-65.3	14.8	18.2
G2A3	07/12/94	0	-19.6	10	-28.5	-39.8	0	21.7	58.2	-62.1	14.6	21
G2A4	07/12/94	6	-3.4	303	-51.3	62.1	0	18.7	32.4	-63.3		0
G2A5	07/12/94	0	-17.6	225	-32.4	-44	0	26.7	53.3	-59.4	15.6	12.4
G2B1	07/12/94	0	-19.7	315	-43.9	-55	0	23.7	53.8	-69.4	15	23.5
G2B2	07/12/94	0	-17.5	180	-27.1	-38.6	0	19.7	57.6	-53.1	14.7	11.3
G2B3	07/14/94	0	-20.5	10	-31.8	-42.7	0	30.7	58.9	-61.3	14.4	21.1
G2B4	07/14/94	0	-17.3	60	-30.6	-42.3	1	42.7	57.1	-57.4	17.9	11.9
G2B5	07/14/94											
G2C1	07/15/94											
G2C2	07/15/94											
G2C3	07/14/94											
G2C4	07/14/94											
G2C5	07/14/94											
G2D1	07/15/94											
G2D2	07/15/94											
G2D3	07/15/94											
G2D4	07/19/94											
G2D5	07/19/94											
G2E1	07/19/94											
G2E2	07/19/94											
G2E3	07/19/94											
G2E4	07/19/94											
G2E5	07/19/94											

Note : The ATV field strength and margin values were reduced by 6 dB when the transmitter power was 0 dB.

TERRESTRIAL ATV TEST DATA SUMMARY (CHAN 6)

Close-In Grid and Radial Measurements

ATV SIGNAL												
SITE NO	DATE	TRANSMITTER POWER (dB)	TAP ENERGY (dB)	AZIMUTH (DEG)	SIGNAL LEVEL (dBm)	PILOT LEVEL (dBm)	COMB FILTER*	CO-CH FLD STRGH (dBuV/m)	FIELD STRENGTH (dBuV/m)	NOISE FLOOR (dB)	C/N (dB)	MARGIN (dB)
C3-1	07/21/94											
C3-2	07/21/94											
C3-3	07/21/94											
C3-4	07/21/94											
C3-5	07/21/94											
R050-1	06/09/94	0	-19	118	-29.4	-40.3	0	36.6	75.2	-68.7	14.9	44.4
R050-2	06/09/94	0	-14.9	115	-28.6	-39.9	0	30.6	70	-65.9	15.6	35.7
R050-3	06/09/94	0	-17.7	125	-32.8	-44.2	1	28.6	65.8	-70.8	14.6	37.4
R050-4	06/09/94	0	-17.9	5	-35.8	-47	1	31.6	57.8	-63.6	14.8	22
R050-5	06/09/94	0	-16.4	137	-33.8	-44.7	0	30.6	55.8	-61	15.4	16.8
R050-6	06/09/94	0	-20.6	230	-34	-45.5	1	27.6	58.6	-65.4	15.2	24.2
R050-7	06/09/94	0	-19.6	340	-31.3	-42.6	0	30.6	59.3	-63.2	14.9	23
R050-8	06/17/94	0	-17.1	305	-33.3	-43.9	0	31.6	51.3	-62.8	14.8	14.7
R050-9	06/17/94	0	-19.3	120	-37.5	-48	1	19.6	50.1	-64.6	14.5	15.6
R050S10	06/17/94	0	-17.7	180	-36.9	-47	1	25.6	50.7	-62.6	15.1	13.6
R050S11	06/17/94	0	-20	65	-40.5	-51.2	1	28.6	44.1	-60.5	13.9	6.1
R050S12	06/17/94	0	-19.4	90	-43.7	-55.3	0	21.6	43.9	-64.8	14.8	9.3
R050S13	06/16/94	6	-16.2	195	-34.5	-45	0	19.7	44.2	-61.5		0
R050S14	06/16/94	6	-12.1	17	-49.8	-60.3	0	23.7	28.9	-59.1		0
R050S15	06/16/94	6	-18	300	-47.9	-58.9	1	16.7	30.8	-64.4		0
R050S16	06/16/94	6	-17.7	275	-47.2	-57.7	1	25.7	31.5	-60.7		0
R085-1	06/18/94	0	-20	350	-31.1	-42.8	0	25.7	69.6	-72.8	15.5	42.2
R085-2	06/18/94	0	-18.8	160	-27.7	-38.9	0	30.7	74	-69.6	14.8	44.1
R085-3	06/18/94	0	-20.1	5	-37	-48.2	0	21.7	57.7	-70.6	15.2	28.4
R085-4	06/18/94	0	-18.2	60	-33.5	-44.2	0	21.7	58.2	-67.7	14.7	26.5
R085-5	06/18/94	0	-16.9	120	-37.2	-48	0	21.7	51.5	-65.5	14.7	17.6
R085-6	06/18/94	0	-18.1	345	-36.2	-47.7	0	17.7	49.5	-66.5	15	16.3
R085-7	06/18/94	0	-21.5	320	-31.5	-43.4	0	26.7	62.2	-69.5	14.8	32.2
R085-8	06/20/94	0	-20.1	8	-33.9	-45.8	1	40.6	53.7	-55.8	13.3	11.6
R085-9	06/20/94	0	-15.2	272	-40.3	-50.8	0	21.6	48.3	-67	15.1	15.6
R085S10	06/21/94	0	-18.1	320	-41.6	-52.6	1	39.7	45.1	-54.7	10.9	4.2
R085S11	06/21/94	0	-19.2	35	-38	-49.5	1	31.7	50.7	-63.2	15.3	13.9
R085S12	06/21/94	0	-19.3	295	-42.3	-53.2	1	23.7	46.4	-64.8	15	11.5
R085S13	06/21/94	6	-17.7	55	-42.8	-54.5	1	21.7	39.9	-60.1	14.7	0.6

Note : The ATV field strength and margin values were reduced by 6 dB when the transmitter power was +6 dB.

TERRESTRIAL ATV TEST DATA SUMMARY (CHAN 6)

Close-In Grid and Radial Measurements

ATV SIGNAL												
SITE NO	DATE	TRANSMITTER POWER (dB)	TAP ENERGY (dB)	AZIMUTH (DEG)	SIGNAL LEVEL (dBm)	PILOT LEVEL (dBm)	COMB FILTER*	CO-CH FLD STRGH (dBuV/m)	FIELD STRENGTH (dBuV/m)	NOISE FLOOR (dB)	C/N (dB)	MARGIN (dB)
R085S14	06/21/94	6	-18.2	295	-35.7	-47.2	1	26.7	46	-63.8		0
R085S15	06/21/94	6	-14.8	170	-34.6	-45.9	1	24.7	48.1	-60.2		0
R085S16	06/21/94	6	-19.3	300	-37.5	-46.4	1	43.7	41.2	-51.6		0
R110-1	06/22/94	0	-18.5	355	-32.4	-43.8	0	28.7	76.3	-73.8	14.8	50.6
R110-2	06/22/94	0	-19.7	20	-32.1	-44.1	0	29.7	71.6	-73.2	15	45.1
R110-3	06/22/94	0	-21.5	192	-32.9	-44.4	0	23.7	66.8	-71.8	15.2	38.7
R110-4	06/22/94	0	-21.1	290	-31.2	-43	0	26.7	66.5	-71.6	15.1	38.3
R110-5	06/22/94	0	-21.2	42	-33.1	-44.7	0	28.7	65.6	-71.5	15.3	37.1
R110-6	06/28/94	0	-21.2	255	-31.7	-44	1	39.7	67	-64.3	15.6	31
R110-7	06/28/94	0	-20.2	70	[illegible]6	-47	1	31.7	53.1	-58.9	14.1	13.2
R110-8	06/28/94	0	-20.3	28[illegible]	[illegible]3	-45.8	1	44.7	55.9	-52.4	6.4	17.2
R110-9	06/28/94	0	-16.2	160	[illegible]8.5	-50.2	1	36.7	50.2	-61.4	13.3	13.6
R110S10	06/24/94	0	-19.3	286	-41.5	-52.9	0	20.7	45.2	-63.3	15.5	8.3
R110S11	06/24/94	0	-20.6	265	-32.7	-45.3	0	27.7	56	-60.2	14.6	16.9
R110S12	06/24/94	0	-19.8	335	-36.3	-47.5	1	27.7	48.4	-59.8	15.4	8.1
R110S13	06/24/94	0	-16	156	-43.8	-56.7	0	21.7	40.9	-62.6	15	3.8
R110S14	06/23/94	0	-20	353	-36.3	-47.7	1	38.6	52.3	-54	15.3	6.4
R110S15	06/23/94	6	-16	195	-41.8	-54.1	0	26.6	36.8	-59	9.4	1.8
R110S16	06/23/94	6	-19.3	5	-40.1	-53.1	1	44.6	38.5	-45.8	4.4	0
R185-1	06/29/94	0	-16.3	103	-29.5	-39.2	0	20.7	70.2	-71	16.3	40.2
R185-2	06/29/94	0	-20.9	102	-41.3	-53.6	0	20.7	60.4	-73.3	14.8	34.2
R185-3	06/29/94	0	-19.7	205	-41.1	-51.9	0	28.7	66.6	-74.3	15.1	41.1
R185-4	06/29/94	0	-19.6	330	-38.3	-49.2	0	21.7	61.4	-74.1	14.8	36
R185-5	06/29/94	0	-21.1	80	-37.4	-48.4	0	22.7	59.3	-66.3	15.7	25.2
R185-6	07/01/94	0	-20.8	310	-33.8	-44.6	0	[illegible]6	57.8	-70.1	15.2	28.1
R185-7	07/01/94	0	-21.5		-32	-43.5	0	[illegible]	57.6	-63.1	15	21.1
R185-8	07/01/94	0	-17.8	215	-38.3	-49.3	1	[illegible]	49.3	-60.1	15.1	9.7
R185-9	07/05/94	0	-20.1	60	-37.1	-4[illegible]	0	21.7	50.6	-60.6	15.1	11.4
R185S10	07/05/94	0	-17.1	70	-39.6	-49.7	1	23.7	45.1	-60	14.2	6.2
R185S11	07/05/94	0	-20.4	120	-40.6	-52.2	0	25.7	53.1	-67.5	14.3	21.6
R185S12	07/05/94	0	-20.1	285	-48.9	-60.4	1	30.7	46.8	-69.1	14.3	16.9
R185S13	06/30/94	6	-21.6	290	-36.7	-48	1	26.5	45.8	-56.3	10.9	6.7
R185S14	06/30/94	0	-17.9	230	-44.9	-55.2	0	17.5	42.6	-60.2	10.7	7.6
R185S15	06/30/94	6	-20.8	155	-45.2	-44.9	0	19.5	39.3	-61.3	9.6	6.5

Note : The ATV field strength and margin values were reduced by 6 dB when the transmitter power was +6 dB.