

ENGINEERING EXHIBIT

Amendment to Application for Post-Transition Digital Television Station Construction Permit

prepared for

Monroe Broadcasting, Inc.

KAQY-DT Columbia, LA

Facility ID 52046

Ch. 11 25 kW 544 m

Monroe Broadcasting, Inc. (“*Monroe*”) is the licensee of television station KAQY(TV), analog Channel 11, Columbia, LA. *Monroe* is authorized to operate the paired transitional digital Channel 57 facility at reduced power pursuant to Special Temporary Authorization. *Monroe* herein proposes construction of the KAQY-DT post-transition digital facility on Channel 11. This channel was established in Appendix B of the Seventh Report and Order in MB Docket 87-278.

This proposal amends a pending application for digital operation on Channel 11, file number BPCDT-20070822ACN, which was filed prior to the Report and Order in the Third Periodic Review.¹ The pending application specifies an effective radiated power (“ERP”) of 14 kW at 544 meters antenna height above average terrain (“HAAT”), using the licensed KAQY analog Channel 11 directional antenna. At 14 kW ERP, the resulting coverage contour would be fully contained by that of the Appendix B parameters of 17.8 kW ERP and 572 meters HAAT. FCC Staff have informally advised that the 14 kW proposal does not provide a match of at least 95 percent of the Appendix B population for KAQY-DT (the 95 percent goal had not been adopted when the KAQY-DT application was filed).

The instant amendment specifies an increase in ERP to 25 kW. At 25 kW, the 95 percent population match is achieved, and the proposal complies with the “5 mile” contour extension waiver policy.

¹*Third Periodic Review of the Commission’s Rules and Policies Affecting the Conversion to Digital Television*, MB Docket No. 07-91, FCC 07-228, released December 31, 2007.

The proposed digital Channel 11 operation will employ the existing directional antenna system licensed for KAQY's analog Channel 11. The antenna is a horizontally polarized Andrew model ATW6V5-HSC-11. The antenna is side-mounted on an antenna supporting structure having FCC Antenna Structure Registration number 1021563. No change to the overall structure height and no tower work are required to carry out this proposal. The KAQY directional antenna's horizontal plane pattern is depicted in **Figure 1**. **Figure 2** provides the theoretical vertical plane (elevation) pattern plot² and data.

A map is supplied as **Figure 3**, which depicts the standard predicted coverage contours. This map includes the boundaries of Columbia, KAQY-DT's principal community. As demonstrated thereon, the proposed facility complies with §73.625(a)(1), as the entire principal community will be encompassed by the 43 dBμ contour.

The proposed KAQY-DT facility's predicted service population provides a 97.0 percent match of the Appendix B facility, as detailed in the table below. The digital Channel 11 Appendix B parameters are a replication of the KAQY Construction Permit as of April 3, 1997. KAQY was never constructed at that location and was subsequently authorized to employ a site 4.5 km distant with a directional antenna, which is now the licensed analog facility.

Post-Transition Population Summary

Population Summary (2000 Census) OET Bulletin 69 method	Appendix B	Proposed
Within Noise Limited Contour	684,676	664,433
Not affected by terrain losses	679,840	659,401
Lost to all interference	1,887	1,928
Net DTV Service	677,953	657,473
Match of Appendix B	---	96.98%

² These patterns are supplied in terms of relative field. In recent years, FCC Staff have not required pattern data in dBk format however such patterns are available upon request.

Freeze Waiver Request

A waiver of the Commission's August 3, 2004 "freeze" concerning expansion in service area³ is requested. The proposal complies with the criteria for a freeze waiver request outlined in the Report and Order in the Third Periodic Review. KAQY-DT will change channel for post-transition operation and will employ its existing analog antenna.

The map attached as **Figure 4** supplies a comparison of the 36 dBμ digital service contours corresponding to the proposed KAQY-DT facility and the Appendix B parameters. As shown thereon, the amount of contour extension does not exceed five miles at any azimuth.

Absent the waiver, the KAQY-DT ERP would have to be reduced to 14 kW to avoid a contour extension. At this power level, the resulting DTV service contour would not cover 22,438 persons within an area of 1,599.5 sq. km that are presently within the KAQY analog Grade B contour. The potential loss area is depicted in **Figure 4A**. The interference-free service population for KAQY-DT operation at 14 kW ERP would be 594,369 persons, which is an 87.7 percent match of the KAQY-DT Appendix B population and would fail to satisfy the Commission's goal of at least a 95 percent population match.

A detailed interference study per OET Bulletin 69⁴ shows that the proposal complies with the 0.5 percent limit of new interference caused to other stations' Appendix B facilities, as summarized on the following page. Protection requirements towards authorized Class A stations are also satisfied.

³Public Notice "Freeze on the Filing of Certain TV and DTV Requests for Allotment or Service Area Changes," DA 04-2446, released August 3, 2004.

⁴FCC Office of Engineering and Technology Bulletin number 69, *Longley-Rice Methodology for Evaluating TV Coverage and Interference*, February 6, 2004 ("OET-69"). The implementation of OET-69 for this study followed the guidelines of OET-69 as specified therein. A standard cell size of 2 km was employed. Comparisons of various results of this computer program (run on a Sun Sparc processor) to the Commission's implementation of OET-69 show excellent correlation.

Post-Transition Interference Analysis Summary

Ch	Call Sign	State/City Facility ID	Power (kW) HAAT (m)	Dist (km) Bear (°T)	Appendix B	New Interference	
					Baseline Population (2000 Census)	From Proposal Population	Percent
10	KETZ-DT	AR EL DORADO 92872	6 541	109.1 357.5	442,886	493	0.11%
10	KLFY-DT	LA LAFAYETTE 35059	17.2 507	196.8 183.0	--- no interference caused ---		
11	WYES-DT	LA NEW ORLEANS 25090	70.8 306	318.7 137.7	--- no interference caused ---		
11	WTOK-DT	MS MERIDIAN 4686	11.8 165	329.6 84.6	294,942	370	0.13%
11	KHOU-DT	TX HOUSTON 34529	17 570	424.4 229.3	--- no interference caused ---		
12	WJTV-DT	MS JACKSON 48667	20.3 497	167.9 84.0	--- no interference caused ---		

Other Allocation Considerations

The nearest FCC monitoring station is 724 km distant at Powder Springs, GA. This exceeds by a large margin the threshold minimum distance specified in §73.1030(c)(3) that would suggest consideration of the monitoring station. The site is not located within the areas requiring coordination with “quiet” zones specified in §73.1030(a) and (b). There are no AM stations within 3.2 kilometers of the site, based on information contained within the Commission’s database. The site location is beyond the border areas requiring international coordination.

Human Exposure to Radiofrequency Electromagnetic Field (Environmental)

The proposal will involve use of an existing transmitting antenna. The use of existing transmitting locations has been characterized as being environmentally preferable by the Commission, according to Note 1 of §1.1306 of the FCC Rules. No tower construction or change in

structure height is proposed. Therefore, it is believed that this application may be categorically excluded from environmental processing pursuant to §1.1306 of the Commission's rules.

The proposed operation was evaluated for human exposure to RF energy using the procedures outlined in the Commission's OET Bulletin Number 65. Based on OET-65 equation (10), and considering 20 percent antenna relative field in downward elevations (pattern data shows less than 20 percent relative field at angles 30 to 90 degrees below the antenna), the calculated signal density near the tower at two meters above ground level attributable to the proposed facility is $0.11 \mu\text{W}/\text{cm}^2$, which is 0.06 percent of the general population/uncontrolled maximum permitted exposure limit. This is well below the five percent threshold limit described in §1.1307(b) regarding sites with multiple emitters, categorically excluding the applicant from responsibility for taking any corrective action in the areas where the proposal's contribution is less than five percent.

The general public will not be exposed to RF levels attributable to the proposal in excess of the FCC's guidelines. RF exposure warning signs will continue to be posted. With respect to worker safety, the applicant will coordinate exposure procedures with all pertinent stations and will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from RF electromagnetic field exposure in excess of FCC guidelines.

Certification

The undersigned hereby certifies that the foregoing statement and associated attachments were prepared by him or under his direction, and that they are true and correct to the best of his knowledge and belief.

Joseph M. Davis, P.E.
March 13, 2008

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List of Attachments

Figure 1	Antenna Horizontal Plane Pattern
Figure 2	Antenna Vertical Plane (Elevation) Pattern
Figure 3	Proposed Coverage Contours
Figure 4	Coverage Contour Comparison
Figure 4A	Potential Loss Area Without Waiver
Form 301	Saved Version of Engineering Sections from FCC Form at Time of Upload

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Figure 1
Antenna Horizontal
Plane Pattern
KAQY-DT Columbia, LA
Facility ID 52046
Ch. 11 25 kW 544 m

prepared for
Monroe Broadcasting, Inc.

March, 2008

ANDREW®
AZIMUTH PATTERN

Type: CHIAZH
Numeric dB

Directivity _____

Peak(s) At: _____

Polarization: HORIZONTAL

Channel: 11

Location: COLUMBIA, LA

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

True North

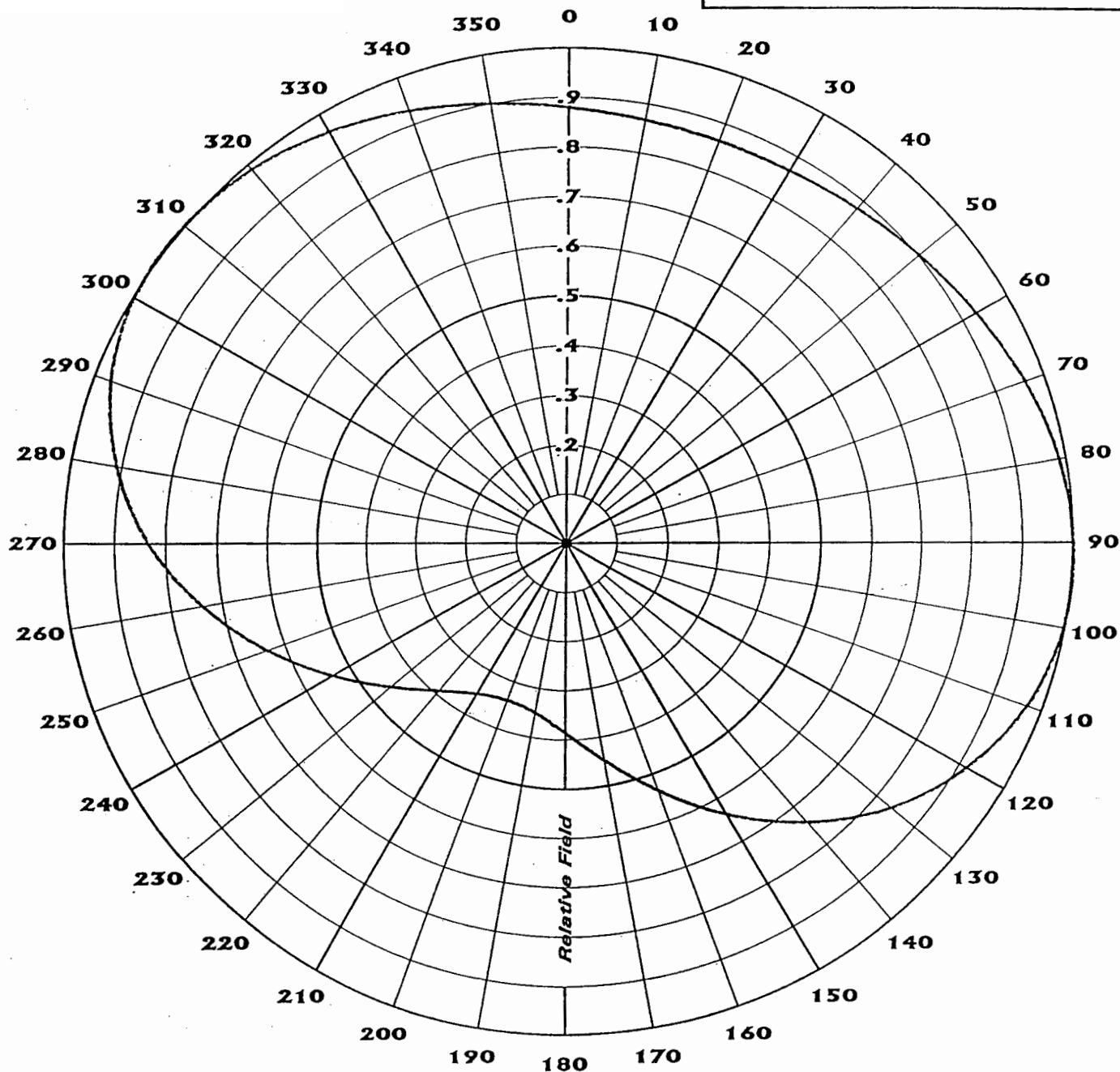


Figure 2
Antenna Vertical Plane
(Elevation) Pattern
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ANDREW
ELEVATION PATTERN

Type: CHIEFH
 Directivity: Numeric dBd
 Main Lobe: _____
 Horizontal: _____
 Beam Tilt: _____
 Polarization: HORIZONTAL
 Channel: 11
 Location: COLUMBIA, LA

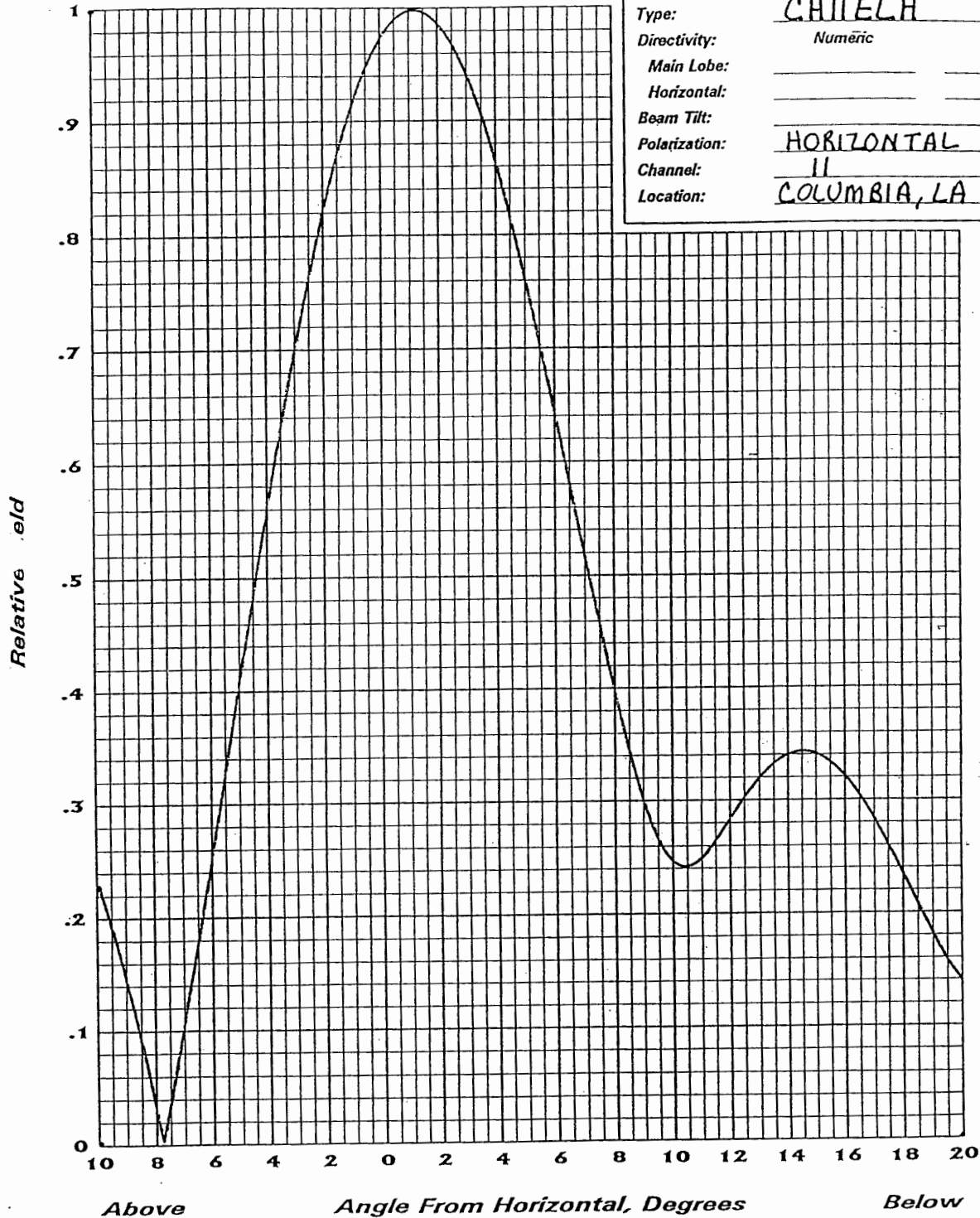


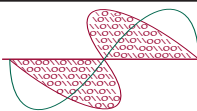
Figure 2
Antenna Vertical Plane
(Elevation) Pattern
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ANGLE	FIELD	dB
-5.00	0.4069	-7.81
-4.75	0.4450	-7.03
-4.50	0.4829	-6.32
-4.25	0.5204	-5.67
-4.00	0.5573	-5.08
-3.75	0.5934	-4.53
-3.50	0.6288	-4.03
-3.25	0.6632	-3.57
-3.00	0.6965	-3.14
-2.75	0.7286	-2.75
-2.50	0.7594	-2.39
-2.25	0.7888	-2.06
-2.00	0.8166	-1.76
-1.75	0.8427	-1.49
-1.50	0.8671	-1.24
-1.25	0.8897	-1.02
-1.00	0.9103	-0.82
-0.75	0.9289	-0.64
-0.50	0.9455	-0.49
-0.25	0.9600	-0.35
0.00	0.9723	-0.24
0.25	0.9823	-0.15
0.50	0.9902	-0.09
0.75	0.9957	-0.04
1.00	0.9990	-0.01
1.25	1.0000	0.00
1.50	0.9987	-0.01
1.75	0.9951	-0.04
2.00	0.9893	-0.09
2.25	0.9813	-0.16
2.50	0.9711	-0.25
2.75	0.9588	-0.37
3.00	0.9445	-0.50
3.25	0.9281	-0.65
3.50	0.9099	-0.82
3.75	0.8898	-1.01
4.00	0.8680	-1.23
4.25	0.8446	-1.47
4.50	0.8196	-1.73
4.75	0.7933	-2.01
5.00	0.7657	-2.32
5.25	0.7370	-2.65
5.50	0.7073	-3.01
5.75	0.6768	-3.39
6.00	0.6456	-3.80
6.25	0.6140	-4.24
6.50	0.5820	-4.70
6.75	0.5498	-5.20
7.00	0.5178	-5.72
7.25	0.4861	-6.27
7.50	0.4549	-6.84
7.75	0.4245	-7.44
8.00	0.3952	-8.06
8.25	0.3674	-8.70
8.50	0.3413	-9.34
8.75	0.3174	-9.97
9.00	0.2961	-10.57
9.25	0.2778	-11.12
9.50	0.2630	-11.60
9.75	0.2518	-11.98
10.00	0.2444	-12.24
10.25	0.2409	-12.36

10.50	0.2408	-12.37	26.25	0.2148	-13.36	42.00	0.1188	-18.50
10.75	0.2439	-12.26	26.50	0.2124	-13.46	42.25	0.1111	-19.09
11.00	0.2494	-12.06	26.75	0.2092	-13.59	42.50	0.1031	-19.74
11.25	0.2568	-11.81	27.00	0.2051	-13.76	42.75	0.0948	-20.46
11.50	0.2655	-11.52	27.25	0.2002	-13.97	43.00	0.0864	-21.27
11.75	0.2750	-11.21	27.50	0.1945	-14.22	43.25	0.0778	-22.19
12.00	0.2848	-10.91	27.75	0.1881	-14.51	43.50	0.0690	-23.22
12.25	0.2944	-10.62	28.00	0.1810	-14.85	43.75	0.0602	-24.41
12.50	0.3037	-10.35	28.25	0.1733	-15.23	44.00	0.0513	-25.79
12.75	0.3124	-10.11	28.50	0.1649	-15.66	44.25	0.0426	-27.41
13.00	0.3202	-9.89	28.75	0.1559	-16.14	44.50	0.0341	-29.35
13.25	0.3270	-9.71	29.00	0.1465	-16.69	44.75	0.0261	-31.66
13.50	0.3328	-9.56	29.25	0.1366	-17.29	45.00	0.0195	-34.20
13.75	0.3373	-9.44	29.50	0.1263	-17.98	45.25	0.0160	-35.94
14.00	0.3405	-9.36	29.75	0.1156	-18.74	45.50	0.0174	-35.17
14.25	0.3425	-9.31	30.00	0.1048	-19.59	45.75	0.0229	-32.80
14.50	0.3432	-9.29	30.25	0.0938	-20.56	46.00	0.0302	-30.40
14.75	0.3425	-9.31	30.50	0.0828	-21.64	46.25	0.0382	-28.36
15.00	0.3406	-9.36	30.75	0.0719	-22.87	46.50	0.0464	-26.67
15.25	0.3373	-9.44	31.00	0.0614	-24.24	46.75	0.0547	-25.24
15.50	0.3328	-9.56	31.25	0.0516	-25.74	47.00	0.0629	-24.03
15.75	0.3271	-9.71	31.50	0.0433	-27.28	47.25	0.0710	-22.98
16.00	0.3203	-9.89	31.75	0.0373	-28.57	47.50	0.0789	-22.06
16.25	0.3123	-10.11	32.00	0.0349	-29.14	47.75	0.0866	-21.25
16.50	0.3034	-10.36	32.25	0.0368	-28.69	48.00	0.0941	-20.53
16.75	0.2935	-10.65	32.50	0.0422	-27.50	48.25	0.1014	-19.88
17.00	0.2828	-10.97	32.75	0.0499	-26.04	48.50	0.1083	-19.31
17.25	0.2714	-11.33	33.00	0.0588	-24.61	48.75	0.1150	-18.79
17.50	0.2594	-11.72	33.25	0.0683	-23.31	49.00	0.1214	-18.32
17.75	0.2468	-12.15	33.50	0.0780	-22.16	49.25	0.1275	-17.89
18.00	0.2339	-12.62	33.75	0.0877	-21.14	49.50	0.1332	-17.51
18.25	0.2207	-13.12	34.00	0.0972	-20.25	49.75	0.1386	-17.16
18.50	0.2076	-13.66	34.25	0.1065	-19.46	50.00	0.1437	-16.85
18.75	0.1945	-14.22	34.50	0.1153	-18.76	50.25	0.1484	-16.57
19.00	0.1818	-14.81	34.75	0.1238	-18.14	50.50	0.1528	-16.32
19.25	0.1697	-15.41	35.00	0.1318	-17.60	50.75	0.1568	-16.09
19.50	0.1584	-16.01	35.25	0.1393	-17.12	51.00	0.1604	-15.89
19.75	0.1482	-16.58	35.50	0.1463	-16.69	51.25	0.1637	-15.72
20.00	0.1396	-17.11	35.75	0.1527	-16.32	51.50	0.1667	-15.56
20.25	0.1327	-17.55	36.00	0.1586	-16.00	51.75	0.1692	-15.43
20.50	0.1278	-17.87	36.25	0.1638	-15.71	52.00	0.1715	-15.32
20.75	0.1251	-18.05	36.50	0.1684	-15.47	52.25	0.1733	-15.22
21.00	0.1247	-18.08	36.75	0.1724	-15.27	52.50	0.1748	-15.15
21.25	0.1264	-17.97	37.00	0.1758	-15.10	52.75	0.1760	-15.09
21.50	0.1299	-17.73	37.25	0.1785	-14.97	53.00	0.1768	-15.05
21.75	0.1349	-17.40	37.50	0.1806	-14.87	53.25	0.1772	-15.03
22.00	0.1411	-17.01	37.75	0.1820	-14.80	53.50	0.1773	-15.02
22.25	0.1481	-16.59	38.00	0.1828	-14.76	53.75	0.1771	-15.03
22.50	0.1555	-16.17	38.25	0.1830	-14.75	54.00	0.1766	-15.06
22.75	0.1631	-15.75	38.50	0.1825	-14.78	54.25	0.1758	-15.10
23.00	0.1707	-15.36	38.75	0.1814	-14.83	54.50	0.1746	-15.16
23.25	0.1781	-14.99	39.00	0.1797	-14.91	54.75	0.1732	-15.23
23.50	0.1850	-14.65	39.25	0.1774	-15.02	55.00	0.1715	-15.31
23.75	0.1915	-14.36	39.50	0.1745	-15.16	55.25	0.1695	-15.42
24.00	0.1974	-14.09	39.75	0.1711	-15.33	55.50	0.1673	-15.53
24.25	0.2026	-13.87	40.00	0.1672	-15.54	55.75	0.1648	-15.66
24.50	0.2071	-13.68	40.25	0.1627	-15.77	56.00	0.1620	-15.81
24.75	0.2107	-13.52	40.50	0.1577	-16.04	56.25	0.1590	-15.97
25.00	0.2136	-13.41	40.75	0.1522	-16.35	56.50	0.1559	-16.15
25.25	0.2156	-13.33	41.00	0.1463	-16.69	56.75	0.1525	-16.34
25.50	0.2167	-13.28	41.25	0.1400	-17.08	57.00	0.1489	-16.54
25.75	0.2170	-13.27	41.50	0.1333	-17.50	57.25	0.1451	-16.76
26.00	0.2163	-13.30	41.75	0.1262	-17.98	57.50	0.1412	-17.00

Figure 2
Antenna Vertical Plane
(Elevation) Pattern
(page 3 of 3)

57.75	0.1372	-17.26	74.00	0.1205	-18.38
58.00	0.1330	-17.53	74.25	0.1206	-18.37
58.25	0.1287	-17.81	74.50	0.1206	-18.37
58.50	0.1242	-18.12	74.75	0.1205	-18.38
58.75	0.1197	-18.44	75.00	0.1203	-18.40
59.00	0.1152	-18.77	75.25	0.1199	-18.42
59.25	0.1105	-19.13	75.50	0.1195	-18.45
59.50	0.1058	-19.51	75.75	0.1190	-18.49
59.75	0.1012	-19.90	76.00	0.1184	-18.53
60.00	0.0965	-20.31	76.25	0.1177	-18.58
60.25	0.0918	-20.74	76.50	0.1170	-18.64
60.50	0.0872	-21.19	76.75	0.1161	-18.70
60.75	0.0826	-21.66	77.00	0.1152	-18.77
61.00	0.0782	-22.14	77.25	0.1141	-18.85
61.25	0.0739	-22.63	77.50	0.1130	-18.94
61.50	0.0697	-23.13	77.75	0.1119	-19.03
61.75	0.0658	-23.64	78.00	0.1106	-19.12
62.00	0.0621	-24.14	78.25	0.1093	-19.23
62.25	0.0587	-24.63	78.50	0.1079	-19.34
62.50	0.0556	-25.09	78.75	0.1064	-19.46
62.75	0.0530	-25.51	79.00	0.1049	-19.58
63.00	0.0508	-25.88	79.25	0.1033	-19.72
63.25	0.0491	-26.17	79.50	0.1017	-19.86
63.50	0.0480	-26.37	79.75	0.1000	-20.00
63.75	0.0474	-26.48	80.00	0.0982	-20.16
64.00	0.0474	-26.48	80.25	0.0964	-20.32
64.25	0.0480	-26.38	80.50	0.0945	-20.49
64.50	0.0490	-26.19	80.75	0.0926	-20.67
64.75	0.0505	-25.94	81.00	0.0906	-20.86
65.00	0.0523	-25.63	81.25	0.0886	-21.05
65.25	0.0545	-25.28	81.50	0.0865	-21.26
65.50	0.0569	-24.90	81.75	0.0844	-21.47
65.75	0.0594	-24.52	82.00	0.0822	-21.70
66.00	0.0622	-24.13	82.25	0.0800	-21.93
66.25	0.0650	-23.74	82.50	0.0778	-22.18
66.50	0.0679	-23.37	82.75	0.0755	-22.44
66.75	0.0708	-23.00	83.00	0.0732	-22.71
67.00	0.0737	-22.65	83.25	0.0709	-22.99
67.25	0.0766	-22.31	83.50	0.0685	-23.28
67.50	0.0795	-21.99	83.75	0.0661	-23.59
67.75	0.0823	-21.69	84.00	0.0637	-23.92
68.00	0.0851	-21.40	84.25	0.0612	-24.26
68.25	0.0878	-21.13	84.50	0.0588	-24.62
68.50	0.0904	-20.88	84.75	0.0562	-25.00
68.75	0.0929	-20.64	85.00	0.0537	-25.40
69.00	0.0953	-20.42	85.25	0.0512	-25.82
69.25	0.0976	-20.21	85.50	0.0486	-26.27
69.50	0.0999	-20.01	85.75	0.0460	-26.75
69.75	0.1020	-19.83	86.00	0.0434	-27.25
70.00	0.1040	-19.66	86.25	0.0407	-27.80
70.25	0.1059	-19.50	86.50	0.0381	-28.38
70.50	0.1077	-19.36	86.75	0.0354	-29.01
70.75	0.1093	-19.22	87.00	0.0328	-29.69
71.00	0.1109	-19.10	87.25	0.0301	-30.43
71.25	0.1123	-18.99	87.50	0.0274	-31.25
71.50	0.1136	-18.89	87.75	0.0247	-32.16
71.75	0.1148	-18.80	88.00	0.0220	-33.17
72.00	0.1159	-18.72	88.25	0.0192	-34.32
72.25	0.1169	-18.64	88.50	0.0165	-35.66
72.50	0.1178	-18.58	88.75	0.0138	-37.23
72.75	0.1185	-18.53	89.00	0.0110	-39.17
73.00	0.1191	-18.48	89.25	0.0083	-41.66
73.25	0.1196	-18.44	89.50	0.0055	-45.18
73.50	0.1200	-18.41	89.75	0.0028	-51.16
73.75	0.1203	-18.39	90.00	0.0024	-52.35

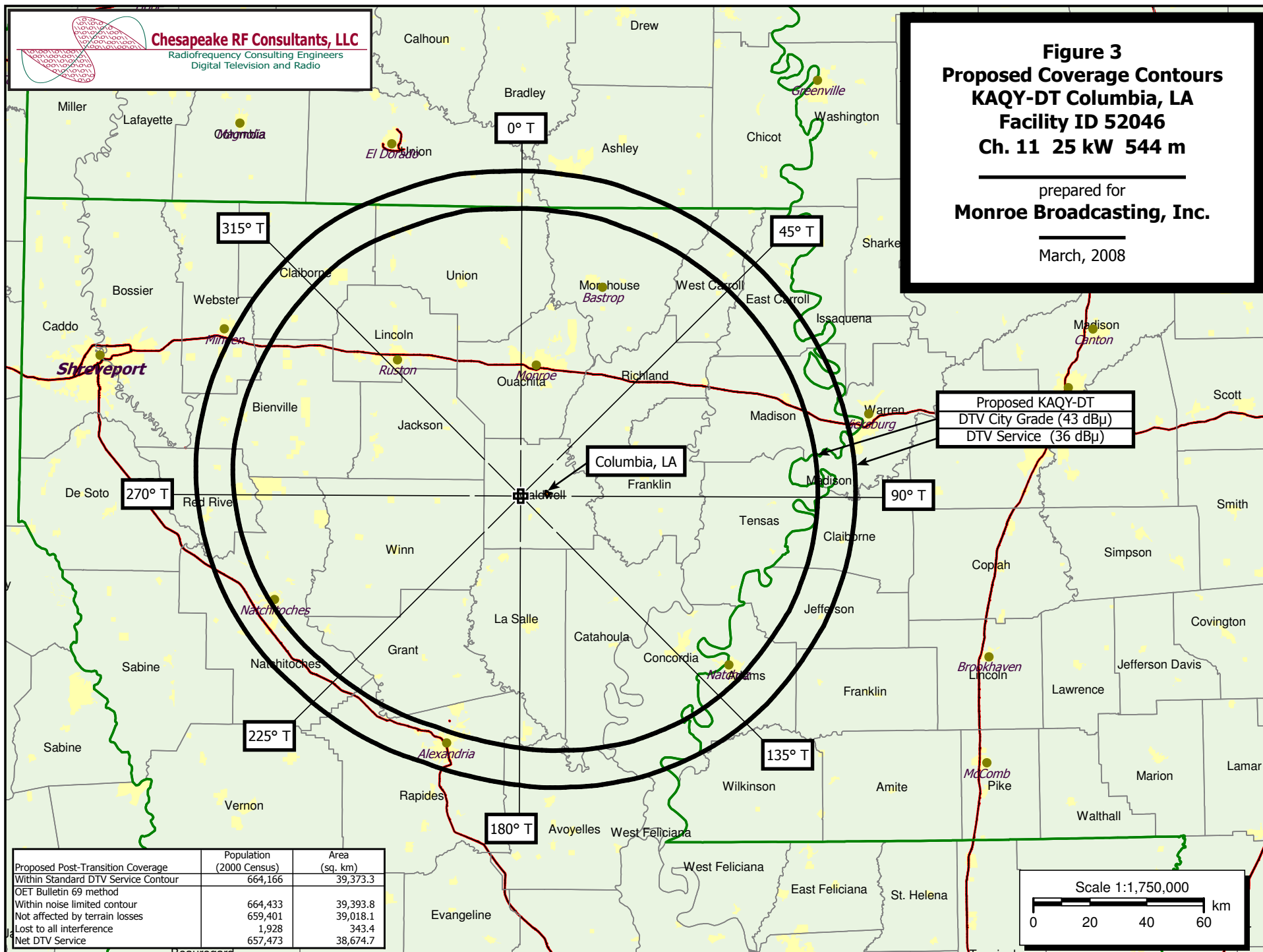


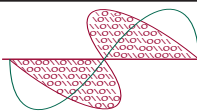
Chesapeake RF Consultants, LLC
Radiofrequency Consulting Engineers
Digital Television and Radio

Figure 3
Proposed Coverage Contours
KAQY-DT Columbia, LA
Facility ID 52046
Ch. 11 25 kW 544 m

prepared for
Monroe Broadcasting, Inc.

March, 2008



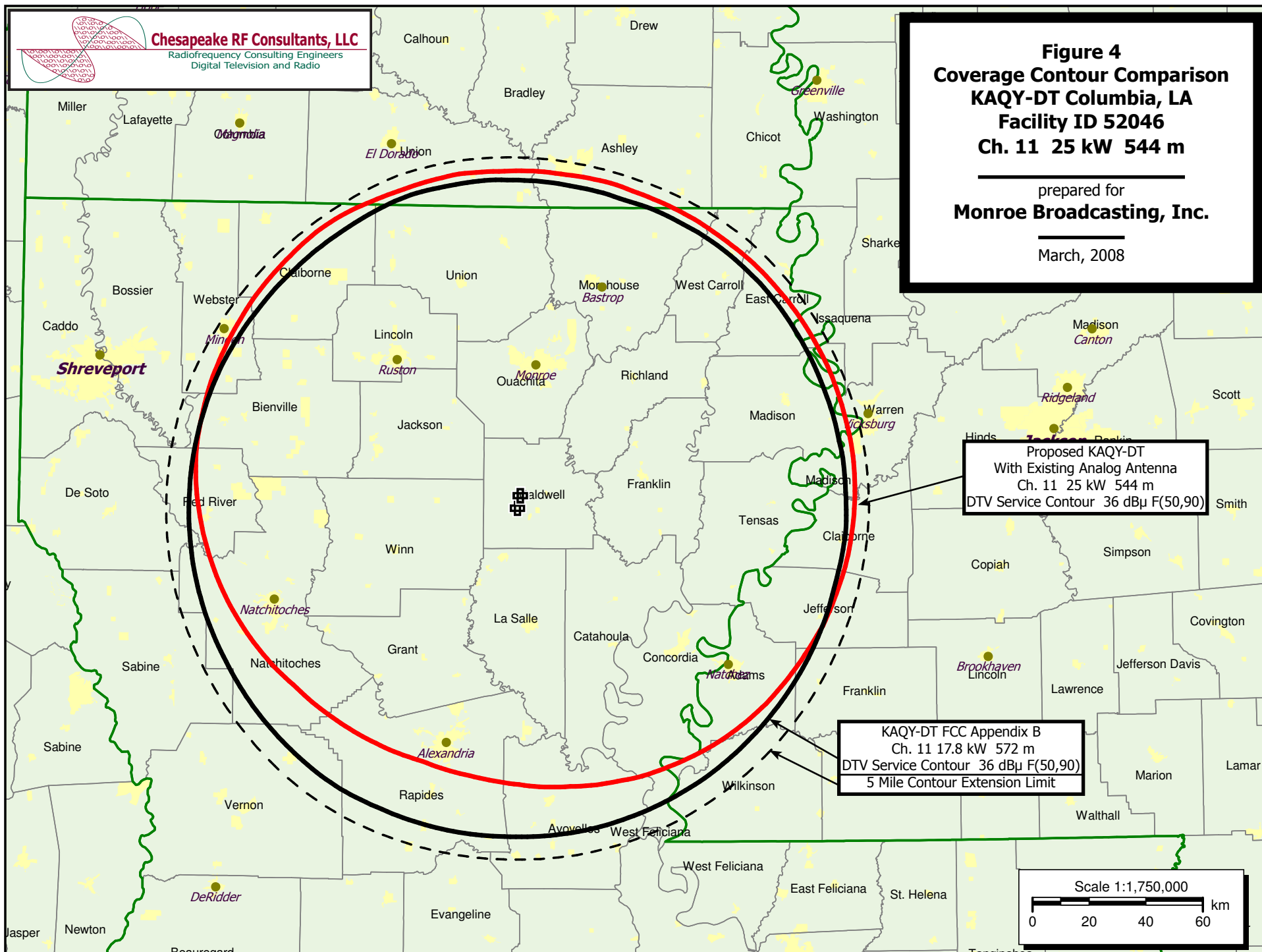


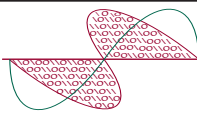
Chesapeake RF Consultants, LLC
Radiofrequency Consulting Engineers
Digital Television and Radio

Figure 4
Coverage Contour Comparison
KAQY-DT Columbia, LA
Facility ID 52046
Ch. 11 25 kW 544 m

prepared for
Monroe Broadcasting, Inc.

March, 2008





Chesapeake RF Consultants, LLC
Radiofrequency Consulting Engineers
Digital Television and Radio

Potential Loss Within Analog Grade B
Without Waiver of Freeze
Population: 22,438
Land Area: 1,599.5 sq. km

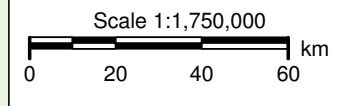
Figure 4A
Potential Loss Area Without Waiver
KAQY-DT Columbia, LA
Facility ID 52046
Ch. 11 25 kW 544 m

prepared for
Monroe Broadcasting, Inc.

March, 2008

Licensed KAQY(TV) Analog Ch. 11
Grade B Contour 56 dBμ F(50,50)

KAQY-DT Ch. 11 at 14 kW 544 m
Maximum ERP Without Freeze Waiver
DTV Service Contour 36 dBμ F(50,90)



SECTION III-D - DTV Engineering**Complete Questions 1-5, and provide all data and information for the proposed facility, as requested in Technical Specifications, Items 1-13.**

Pre-Transition Certification Checklist: An application concerning a pre-transition channel must complete questions 1(a)-(c), and 2-5. A correct answer of "Yes" to all of the questions will ensure an expeditious grant of a construction permit application to change pre-transition facilities. However, if the proposed facility is located within the Canadian or Mexican borders, coordination of the proposal under the appropriate treaties may be required prior to grant of the application. An answer of "No" will require additional evaluation of the applicable information in this form before a construction permit can be granted.

Post-Transition Expedited Processing. An application concerning a post-transition channel must complete questions 1(a), (d)-(e), and 2-5. A station applying for a construction permit to build its post-transition channel will receive expedited processing if its application (1) does not seek to expand the noise-limited service contour in any direction beyond that established by Appendix B of the Seventh Report and Order in MB Docket No. 87-268 establishing the new DTV Table of Allotments in 47 C.F.R. § 73.622(i) ("new DTV Table Appendix B"); (2) specifies facilities that match or closely approximate those defined in the new DTV Table Appendix B facilities; and (3) is filed within 45 days of the effective date of Section 73.616 of the rules adopted in the Report and Order in the Third DTV Periodic Review proceeding, MB Docket No. 07-91.

1. The proposed DTV facility complies with 47 C.F.R. Section 73.622 in the following respects:

(a) It will operate on the DTV channel for this station as established in 47 C.F.R. Section 73.622.	<input checked="" type="radio"/> Yes <input type="radio"/> No
(b) It will operate a pre-transition facility from a transmitting antenna located within 5.0 km (3.1 miles) of the DTV reference site for this station as established in 47 C.F.R. Section 73.622.	<input type="radio"/> Yes <input type="radio"/> No
(c) It will operate a pre-transition facility with an effective radiated power (ERP) and antenna height above average terrain (HAAT) that do not exceed the DTV reference ERP and HAAT for this station as established in 47 C.F.R. Section 73.622.	<input type="radio"/> Yes <input type="radio"/> No
(d) It will operate at post-transition facilities that do not expand the noise-limited service contour in any direction beyond that established by Appendix B of the Seventh Report and Order in MB Docket No. 87-268 establishing the new DTV Table of Allotments in 47 C.F.R. § 73.622(i) ("new DTV Table Appendix B").	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A
(e) It will operate at post-transition facilities that match or reduce by no more than five percent with respect to predicted population from those defined in the new DTV Table Appendix B.	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
2. The proposed facility will not have a significant environmental impact, including exposure of workers or the general public to levels of RF radiation exceeding the applicable health and safety guidelines, and therefore will not come within 47 C.F.R. Section 1.1307. Applicant must submit the Exhibit called for in Item 13.	<input checked="" type="radio"/> Yes <input type="radio"/> No
3. Pursuant to 47 C.F.R. Section 73.625, the DTV coverage contour of the proposed facility will encompass the allotted principal community.	<input checked="" type="radio"/> Yes <input type="radio"/> No
4. The requirements of 47 C.F.R. Section 73.1030 regarding notification to radio astronomy installations, radio receiving installations and FCC monitoring stations have either been satisfied or are not applicable.	<input checked="" type="radio"/> Yes <input type="radio"/> No
5. The antenna structure to be used by this facility has been registered by the Commission and will not require registration to support the proposed antenna, OR the FAA has previously determined that the proposed structure will not adversely effect safety in air navigation and this structure qualifies for later registration under the Commission's phased registration plan, OR the proposed installation on this structure does not require notification to the FAA pursuant to 47 C.F.R. Section 17.7.	<input checked="" type="radio"/> Yes <input type="radio"/> No

SECTION III-D - DTV Engineering**TECHNICAL SPECIFICATIONS**

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

TECH BOX

1.	Channel Number: DTV 11 Analog TV, if any 11
2.	Zone: <input type="radio"/> I <input checked="" type="radio"/> II <input type="radio"/> III
3.	Antenna Location Coordinates: (NAD 27) Latitude: Degrees 32 Minutes 5 Seconds 42 <input checked="" type="radio"/> North <input type="radio"/> South Longitude: Degrees 92 Minutes 10 Seconds 34 <input checked="" type="radio"/> West <input type="radio"/> East
4.	Antenna Structure Registration Number: 1021563 <input type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA
5.	Antenna Location Site Elevation Above Mean Sea Level: 40.8 meters
6.	Overall Tower Height Above Ground Level: 587.9 meters
7.	Height of Radiation Center Above Ground Level: 545 meters
8.	Height of Radiation Center Above Average Terrain : 543.9 meters

9.	Maximum Effective Radiated Power (average power):	25 kW																																																																																																
10.	<div>Antenna Specifications:</div> <div>a. Manufacturer AND Model ATW6V5-HSC-11</div> <div>b. Electrical Beam Tilt: 1.25 degrees <input type="checkbox"/> Not Applicable</div> <div>c. Mechanical Beam Tilt: degrees toward azimuth degrees True <input checked="" type="checkbox"/> Not Applicable Attach as an Exhibit all data specified in 47 C.F.R. Section 73.625(c). [Exhibit 42]</div> <div>d. Polarization: <input checked="" type="radio"/> Horizontal <input type="radio"/> Circular <input type="radio"/> Elliptical</div> <div>e. Directional Antenna Relative Field Values: <input type="checkbox"/> Not applicable (Nondirectional)</div> <div>[For a composite directional (not off-the-shelf) antenna, press the following button to fill in the relative field values subform.] [Relative Field Values]</div> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"><div style="text-align: center;">10e. Directional Antenna Relative Field Values [Fill in this subform for a composite directional (not off-the-shelf) antenna, only.]</div><div style="border: 1px solid black; padding: 5px;"><div>e. Directional Antenna Relative Field Values:</div><div>Rotation (Degrees): <input checked="" type="checkbox"/> No Rotation</div><table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"><thead><tr><th>Degrees</th><th>Value</th><th>Degrees</th><th>Value</th><th>Degrees</th><th>Value</th><th>Degrees</th><th>Value</th><th>Degrees</th><th>Value</th><th>Degrees</th><th>Value</th></tr></thead><tbody><tr><td>0</td><td>0.877</td><td>10</td><td>0.864</td><td>20</td><td>0.86</td><td>30</td><td>0.864</td><td>40</td><td>0.877</td><td>50</td><td>0.899</td></tr><tr><td>60</td><td>0.927</td><td>70</td><td>0.958</td><td>80</td><td>0.984</td><td>90</td><td>0.999</td><td>100</td><td>0.995</td><td>110</td><td>0.966</td></tr><tr><td>120</td><td>0.911</td><td>130</td><td>0.833</td><td>140</td><td>0.737</td><td>150</td><td>0.635</td><td>160</td><td>0.535</td><td>170</td><td>0.45</td></tr><tr><td>180</td><td>0.388</td><td>190</td><td>0.351</td><td>200</td><td>0.338</td><td>210</td><td>0.351</td><td>220</td><td>0.388</td><td>230</td><td>0.45</td></tr><tr><td>240</td><td>0.535</td><td>250</td><td>0.635</td><td>260</td><td>0.737</td><td>270</td><td>0.833</td><td>280</td><td>0.911</td><td>290</td><td>0.966</td></tr><tr><td>300</td><td>0.995</td><td>310</td><td>0.999</td><td>320</td><td>0.984</td><td>330</td><td>0.958</td><td>340</td><td>0.927</td><td>350</td><td>0.899</td></tr><tr><td colspan="2">Additional Azimuths</td><td>93</td><td>1</td><td>307</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table><div style="text-align: center; color: red; margin-top: 5px;"><u>Relative Field Polar Plot</u></div></div></div> <div>If a directional antenna is proposed, the requirements of 47 C.F.R. Sections 73.625(c) must be satisfied. Exhibit required. [Exhibit 43]</div>		Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	0	0.877	10	0.864	20	0.86	30	0.864	40	0.877	50	0.899	60	0.927	70	0.958	80	0.984	90	0.999	100	0.995	110	0.966	120	0.911	130	0.833	140	0.737	150	0.635	160	0.535	170	0.45	180	0.388	190	0.351	200	0.338	210	0.351	220	0.388	230	0.45	240	0.535	250	0.635	260	0.737	270	0.833	280	0.911	290	0.966	300	0.995	310	0.999	320	0.984	330	0.958	340	0.927	350	0.899	Additional Azimuths		93	1	307	1						
Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value																																																																																							
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Additional Azimuths		93	1	307	1																																																																																													
11.	Does the proposed facility satisfy the pre-transition interference protection provisions of 47 C.F.R. Section 73.623(a) (Applicable only if Certification Checklist Items 1(a), (b), or (c) are answered "No.") and/or the post-transition interference protection provisions of 47 C.F.R. Section 73.616? If "No," attach as an Exhibit justification therefor, including a summary of any related previously granted waivers.	<input checked="" type="radio"/> Yes <input type="radio"/> No [Exhibit 44]																																																																																																
12.	If the proposed facility will not satisfy the coverage requirement of 47 C.F.R. Section 73.625, attach as an Exhibit justification therefore. (Applicable only if Certification Checklist item 3 is answered "No.")	[Exhibit 45]																																																																																																
13.	Environmental Protection Act. Submit in an Exhibit the following: If Certification Checklist Item 2 is answered "Yes," a brief explanation of why an Environmental Assessment is not required. Also describe in the Exhibit the steps that will be taken to limit RF radiation exposure to the public and to persons authorized access to the tower site. By checking "Yes" to Certification Checklist Item 2, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines. If Certification Checklist Item 2 is answered "No," an Environmental Assessment as required by 47 C.F.R Section 1.1311.	[Exhibit 46]																																																																																																
PREPARERS CERTIFICATION ON SECTION III MUST BE COMPLETED AND SIGNED.																																																																																																		

SECTION III - PREPARER'S CERTIFICATION

I certify that I have prepared Section III (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name JOSEPH M. DAVIS, P.E.	Relationship to Applicant (e.g., Consulting Engineer) CONSULTING ENGINEER	
Signature	Date 3/13/2008	
Mailing Address CHESAPEAKE RF CONSULTANTS, LLC 11993 KAHNS ROAD		
City MANASSAS	State or Country (if foreign address) VA	Zip Code 20112 -
Telephone Number (include area code) 7036509600	E-Mail Address (if available) JOSEPH.DAVIS@RF-CONSULTANTS.COM	

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

Any specified rotation has already been applied to the plotted pattern.

Field strength values shown on a rotated pattern may differ from the listed values because intermediate azimuths are interpolated between entered azimuths.

