

MINOR CHANGE APPLICATION
CUMULUS LICENSING LLC
KCDD (FM) RADIO STATION
CH 279C - 103.7 MHZ - 100.0 KW
HAMLIN, TEXAS
January 2009

EXHIBIT B

The proposed KCDD antenna location will be shortspaced to one other FM station: KAMZ, Channel 278C3, Tahoka, Texas. The relevant distance between the facilities is shown on Exhibit B1. Cumulus proposes to use the provisions of §73.215 of the Commission's rules to address this shortspace. The distance between KCDD and the shortspaced station complies with §73.215(e) of the Commission's rules.

Exhibit B2 specifically demonstrates that there will be no prohibited overlap between the proposed KCDD and KAMZ. The contours of KAMZ are based on their license values as this facility is authorized pursuant to §73.215 of the rules. Attached as Exhibits B3 and B4 are the tabulated distances to the protected and interfering contours, along the pertinent arcs, of the proposed KCDD and KAMZ. Further, attached as Exhibit B5 are the tabulated and protected contours of the proposed facility, in ten degree increments. Again, there is no prohibited overlap between the facilities.

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EXHIBIT B1

Clearance Study for KCDD Hamlin, Texas
Using Proposed/Existing Site as Reference

REFERENCE	CLASS = C	DISPLAY DATES
32 43 31.0 N.		DATA 01-14-09
100 04 19.0 W.	Current Spacings to 3rd Adj.	SEARCH 01-14-09
----- Channel 279 - 103.7 MHz -----		

Call Lat.	Channel Lng.	Location Ant	Power	Azi HAAT	Dist	FCC	Margin
* KCDD	LIC 279C	Hamlin	TX 0.0	0.0	0.0	290.0	-290.0
	32 43 31.0	100 04 19.0	CY 100.000 kW			300 M	
	Cumulus Licensing Llc		BLH-19870206KC				
** KAMZ	LIC-N 278C3	Tahoka	TX 292.9	174.9	176.0	-1.1	
	33 19 26.0	101 48 15.0	NC 20.000 kW		100 M		
	Albert Benavides		BLH-20001213ABO				
*** AL8747	RSV 278A	Tahoka	TX 288.9	164.8	165.0	-0.15	
	33 11 34.0	101 44 44.0	N 6.000 kW		100 M		
			RM8634				
AL0983	VAC 278C2	Mertzon	TX 203.5	188.0	188.0	0.00	
	31 10 09.0	100 51 41.0	50.000 kW		150 M		
	Linda Crawford		RM-10533				
AL5839	VAC 280A	Comanche	TX 123.3	166.0	165.0	1.0	
	31 53 50.0	98 36 12.0	6.000 kW		100 M		
	Jeraldine Anderson		RM-10210				
KVIL	LIC 279C	Highland Park-dalla	TX 92.2	291.6	290.0	1.6	
	32 35 19.0	96 58 05.0	CY 100.000 kW		507 M		
	Texas Cbs Radio Broadcasting		BLH-19990216KB				
KQXC-FM	LIC 280C2	Wichita Falls	TX 47.0	193.3	188.0	5.3	
	33 54 04.0	98 32 21.0	CX 19.000 kW		246 M		
	Cumulus Licensing Llc		BLH-20030903ABP				
KKCN	LIC 276C1	Ballinger	TX 180.9	117.8	105.0	12.8	
	31 39 46.0	100 05 27.0	CX 100.000 kW		144 M		
	Double O Texas Corporation		BLH-20060613ABW				
AU7057627	VAC 226C2	Aspermont	TX 342.5	54.2	35.0	19.2	
	33 11 27.0	100 14 50.0	50.000 kW		150 M		
	Jeraldine Anderson		RM-10283				

- * Note: KCDD downgraded to Class C0 pursuant to RM-11026.
- ** Note: This shortage is addressed pursuant to \$73.215. See Exhibit B for details.
- *** Note: This shortage is less than 0.49 and therefore rounds to zero

Graham Brock, Inc. - Broadcast Technical Consultants

KCDD - Proposed
Latitude: 32-43-31 N
Longitude: 100-04-19 W
ERP: 100.00 kW
Channel: 279C
Frequency: 103.7 MHz
AMSL Height: 1004.1 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: FCC

KAMZ
BLH-20001213ABO
Latitude: 33-19-26 N
Longitude: 101-48-15 W
ERP: 20.00 kW
Channel: 278C3
Frequency: 103.5 MHz
AMSL Height: 1056.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: FCC

KAMZ 60 dBu (50/50)

KAMZ 54 dBu (50/10)

KCDD 60 dBu (50/50)

KCDD 54 dBu (50/10)

Scale 1:2,200,000

0 30 60 90 km

EXHIBIT B2
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EXHIBIT B3

KCDD - Proposed
Channel = 279C
Max ERP = 100 kW
RCAMSL = 1004.1 M
N. Lat = 32 43 31
W. Lng = 100 04 19

KAMZ - BLH-20001213ABO
Channel = 278C3
Max ERP = 20 kW
RCAMSL = 1056 M
N. Lat = 33 19 26
W. Lng = 101 48 15

Protected
60 dBu

Interfering
54 dBu

30 second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
272.0	100.0000	0426.6	081.7	128.3	020.0000	0118.3	102.3	42.0
273.0	100.0000	0425.7	081.7	127.6	020.0000	0118.3	101.5	42.2
274.0	100.0000	0424.8	081.6	126.9	020.0000	0118.1	100.7	42.3
275.0	100.0000	0423.7	081.5	126.2	020.0000	0117.9	100.0	42.5
276.0	100.0000	0422.5	081.4	125.5	020.0000	0117.9	099.4	42.6
277.0	100.0000	0421.5	081.3	124.8	020.0000	0117.8	098.8	42.8
278.0	100.0000	0420.6	081.3	124.0	020.0000	0117.8	098.2	42.9
279.0	100.0000	0419.9	081.2	123.3	020.0000	0117.9	097.6	43.1
280.0	100.0000	0418.9	081.2	122.5	020.0000	0118.0	097.1	43.2
281.0	100.0000	0417.9	081.1	121.7	020.0000	0118.0	096.6	43.3
282.0	100.0000	0417.0	081.0	120.9	020.0000	0118.1	096.2	43.5
283.0	100.0000	0416.4	081.0	120.1	020.0000	0118.2	095.8	43.6
284.0	100.0000	0416.4	081.0	119.3	020.0000	0118.3	095.4	43.7
285.0	100.0000	0416.9	081.0	118.4	020.0000	0118.3	095.0	43.8
286.0	100.0000	0417.8	081.1	117.6	020.0000	0118.3	094.6	43.9
287.0	100.0000	0419.0	081.2	116.8	020.0000	0118.3	094.2	44.0
288.0	100.0000	0420.4	081.3	115.9	020.0000	0118.3	093.9	44.1
289.0	100.0000	0421.7	081.4	115.1	020.0000	0118.3	093.6	44.1
290.0	100.0000	0422.8	081.4	114.2	020.0000	0118.4	093.4	44.2
291.0	100.0000	0423.9	081.5	113.3	020.0000	0118.5	093.2	44.3
292.0	100.0000	0425.2	081.6	112.5	020.0000	0118.5	093.1	44.3
293.0	100.0000	0426.5	081.7	111.6	020.0000	0118.5	093.0	44.3
294.0	100.0000	0428.0	081.8	110.7	020.0000	0118.5	092.9	44.3
295.0	100.0000	0429.5	081.9	109.8	020.0000	0118.4	092.9	44.3
296.0	100.0000	0431.0	082.0	108.9	020.0000	0118.4	092.9	44.3
297.0	100.0000	0432.2	082.1	108.1	020.0000	0118.4	093.0	44.3
298.0	100.0000	0433.4	082.2	107.2	020.0000	0118.4	093.2	44.3
299.0	100.0000	0434.5	082.3	106.3	020.0000	0118.4	093.4	44.2
300.0	100.0000	0435.5	082.4	105.4	020.0000	0118.3	093.6	44.1
301.0	100.0000	0436.5	082.4	104.6	020.0000	0118.3	093.9	44.1
302.0	100.0000	0437.3	082.5	103.7	020.0000	0118.2	094.3	44.0
303.0	100.0000	0438.0	082.6	102.9	020.0000	0118.2	094.7	43.8
304.0	100.0000	0438.7	082.6	102.0	020.0000	0118.3	095.1	43.7
305.0	100.0000	0439.5	082.7	101.2	020.0000	0118.4	095.6	43.6
306.0	100.0000	0440.3	082.7	100.4	020.0000	0118.4	096.2	43.5
307.0	100.0000	0441.2	082.8	099.6	020.0000	0118.4	096.7	43.3
308.0	100.0000	0442.1	082.9	098.8	020.0000	0118.3	097.4	43.2
309.0	100.0000	0442.9	082.9	098.1	020.0000	0118.2	098.0	43.0

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EXHIBIT B4

KAMZ - BLH-20001213ABO
Channel = 278C3
Max ERP = 20 kW
RCAMSL = 1056 M
N. Lat = 33 19 26
W. Lng = 101 48 15

KCDD - Proposed
Channel = 279C
Max ERP = 100 kW
RCAMSL = 1004.1 M
N. Lat = 32 43 31
W. Lng = 100 04 19

Protected
60 dBu

Interfering
54 dBu

30 second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
093.0	020.0000	0117.3	039.9	298.3	100.0000	0433.4	137.9	50.0
094.0	020.0000	0117.5	039.9	298.0	100.0000	0433.4	137.6	50.1
095.0	020.0000	0117.8	039.9	297.7	100.0000	0433.4	137.4	50.1
096.0	020.0000	0117.9	039.9	297.5	100.0000	0432.2	137.1	50.2
097.0	020.0000	0118.1	040.0	297.2	100.0000	0432.2	136.8	50.2
098.0	020.0000	0118.2	040.0	296.9	100.0000	0432.2	136.6	50.3
099.0	020.0000	0118.3	040.0	296.6	100.0000	0432.2	136.4	50.3
100.0	020.0000	0118.4	040.0	296.3	100.0000	0431.0	136.2	50.4
101.0	020.0000	0118.4	040.0	296.1	100.0000	0431.0	136.0	50.4
102.0	020.0000	0118.3	040.0	295.8	100.0000	0431.0	135.8	50.4
103.0	020.0000	0118.2	040.0	295.5	100.0000	0429.5	135.7	50.4
104.0	020.0000	0118.2	040.0	295.2	100.0000	0429.5	135.6	50.5
105.0	020.0000	0118.3	040.0	294.9	100.0000	0429.5	135.4	50.5
106.0	020.0000	0118.4	040.0	294.6	100.0000	0429.5	135.3	50.5
107.0	020.0000	0118.4	040.0	294.3	100.0000	0428.0	135.2	50.5
108.0	020.0000	0118.4	040.0	294.0	100.0000	0428.0	135.2	50.5
109.0	020.0000	0118.4	040.0	293.7	100.0000	0428.0	135.1	50.5
110.0	020.0000	0118.4	040.0	293.4	100.0000	0426.5	135.1	50.5
111.0	020.0000	0118.5	040.0	293.1	100.0000	0426.5	135.0	50.5
112.0	020.0000	0118.5	040.0	292.8	100.0000	0426.5	135.0	50.5
113.0	020.0000	0118.5	040.0	292.5	100.0000	0426.5	135.0	50.5
114.0	020.0000	0118.4	040.0	292.2	100.0000	0425.2	135.1	50.5
115.0	020.0000	0118.3	040.0	291.9	100.0000	0425.2	135.1	50.5
116.0	020.0000	0118.3	040.0	291.6	100.0000	0425.2	135.2	50.4
117.0	020.0000	0118.3	040.0	291.4	100.0000	0423.9	135.2	50.4
118.0	020.0000	0118.3	040.0	291.1	100.0000	0423.9	135.3	50.4
119.0	020.0000	0118.3	040.0	290.8	100.0000	0423.9	135.4	50.3
120.0	020.0000	0118.2	040.0	290.5	100.0000	0422.8	135.6	50.3
121.0	020.0000	0118.1	040.0	290.2	100.0000	0422.8	135.7	50.2
122.0	020.0000	0118.0	040.0	289.9	100.0000	0422.8	135.9	50.2
123.0	020.0000	0117.9	039.9	289.6	100.0000	0422.8	136.1	50.2
124.0	020.0000	0117.8	039.9	289.3	100.0000	0421.7	136.2	50.1
125.0	020.0000	0117.8	039.9	289.0	100.0000	0421.7	136.4	50.0
126.0	020.0000	0117.9	039.9	288.8	100.0000	0421.7	136.6	50.0
127.0	020.0000	0118.1	040.0	288.5	100.0000	0420.4	136.8	49.9
128.0	020.0000	0118.3	040.0	288.2	100.0000	0420.4	137.0	49.8
129.0	020.0000	0118.6	040.0	287.9	100.0000	0420.4	137.3	49.8
130.0	020.0000	0118.8	040.1	287.6	100.0000	0420.4	137.5	49.7

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EXHIBIT B5

Predicted contour:

N. Lat. = 32 43 31.0 - Tabulated Protected and Interfering Contour Data
W. Lng. = 100 04 19.0 - KCDD Radio Station - Hamlin, Texas

HAAT and Distance to Contour - FCC Method - NGDC 30 Second terrain database
Azi. HAAT ERP kW dBk Field 60-F5 40-F1 54-F1 100-F1

000	463.3	100.0000	20.00	1.000	84.38	188.01	125.47	12.27
010	460.5	100.0000	20.00	1.000	84.18	187.80	125.15	12.25
020	461.7	100.0000	20.00	1.000	84.27	187.89	125.30	12.26
030	462.5	100.0000	20.00	1.000	84.32	187.95	125.38	12.27
040	463.7	100.0000	20.00	1.000	84.41	188.04	125.52	12.28
050	465.9	100.0000	20.00	1.000	84.56	188.21	125.77	12.30
060	466.3	100.0000	20.00	1.000	84.59	188.24	125.81	12.30
070	463.4	100.0000	20.00	1.000	84.39	188.02	125.48	12.28
080	453.1	100.0000	20.00	1.000	83.65	187.23	124.33	12.18
090	446.2	100.0000	20.00	1.000	83.15	186.68	123.55	12.11
100	456.8	100.0000	20.00	1.000	83.92	187.52	124.74	12.22
110	466.0	100.0000	20.00	1.000	84.57	188.22	125.78	12.30
120	473.3	100.0000	20.00	1.000	85.05	188.77	126.60	12.36
130	471.1	100.0000	20.00	1.000	84.91	188.61	126.35	12.34
140	463.6	100.0000	20.00	1.000	84.40	188.04	125.51	12.28
150	462.9	100.0000	20.00	1.000	84.35	187.98	125.43	12.27
160	464.9	100.0000	20.00	1.000	84.49	188.13	125.65	12.29
170	462.9	100.0000	20.00	1.000	84.35	187.98	125.43	12.27
180	459.7	100.0000	20.00	1.000	84.13	187.74	125.07	12.24
190	451.3	100.0000	20.00	1.000	83.52	187.09	124.12	12.16
200	458.0	100.0000	20.00	1.000	84.01	187.61	124.88	12.23
210	451.8	100.0000	20.00	1.000	83.56	187.12	124.18	12.17
220	450.6	100.0000	20.00	1.000	83.47	187.03	124.04	12.15
230	446.2	100.0000	20.00	1.000	83.15	186.68	123.55	12.11
240	441.2	100.0000	20.00	1.000	82.79	186.28	122.99	12.05
250	438.9	100.0000	20.00	1.000	82.62	186.09	122.73	12.03
260	433.9	100.0000	20.00	1.000	82.26	185.67	122.17	11.97
270	427.8	100.0000	20.00	1.000	81.81	185.16	121.49	11.90
280	418.6	100.0000	20.00	1.000	81.13	184.39	120.45	11.79
290	422.8	100.0000	20.00	1.000	81.44	184.74	120.92	11.84
300	435.3	100.0000	20.00	1.000	82.36	185.79	122.33	11.99
310	443.4	100.0000	20.00	1.000	82.95	186.45	123.24	12.08
320	451.7	100.0000	20.00	1.000	83.56	187.12	124.17	12.17
330	458.6	100.0000	20.00	1.000	84.05	187.65	124.94	12.23
340	463.5	100.0000	20.00	1.000	84.39	188.03	125.49	12.28
350	465.9	100.0000	20.00	1.000	84.56	188.21	125.76	12.30

AMSL= 1004 M