

**Technical Exhibit****Minor Modification of Licensed Facility Application**

This application complies with all engineering standards and assignment requirements specified in the applicable FCC rules and regulations. Changes to the technical parameters are as indicated below:

	Licensed	Mod of Licensed Facility
Channel / Class	CH 202C3	CH 202C3
Geographical Coordinates NAD 83	46 49 38.0 100 46 29.0	46 49 38.0 100 46 29.0
ASRN	1044750	1044750
Site elevation	565.0 m	565.0
Tower AGL	91.4 m	91.4
Antenna COR AGL	87.0 m	82.0 m
Antenna COR AMSL	652.0 m	647.0 m
HAAT	116 m	111 m
ERP	8.5 kW (V, non-DA)	6.3 kW (H&V, non-DA)

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## Tabulation of HAAT / ERP / distance to 60 dBu contour

CH 202C3    46 49 38.0 / 100 46 29.0    6.3 kW ERP (H&amp;V, non-da)    647 m COR AMSL    111 m HAAT

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	567.7	79.3	6.3000	7.99	1.000	25.64
010	568.8	78.2	6.3000	7.99	1.000	25.49
020	585.0	62.0	6.3000	7.99	1.000	23.02
030	591.3	55.7	6.3000	7.99	1.000	21.96
040	580.4	66.6	6.3000	7.99	1.000	23.72
045	575.7	71.3	6.3000	7.99	1.000	24.45
050	570.6	76.4	6.3000	7.99	1.000	25.22
060	559.5	87.5	6.3000	7.99	1.000	26.85
070	548.6	98.4	6.3000	7.99	1.000	28.39
080	536.8	110.2	6.3000	7.99	1.000	29.93
090	530.8	116.2	6.3000	7.99	1.000	30.65
100	523.5	123.5	6.3000	7.99	1.000	31.46
110	525.0	122.0	6.3000	7.99	1.000	31.30
120	527.3	119.7	6.3000	7.99	1.000	31.05
130	535.1	111.9	6.3000	7.99	1.000	30.14
135	537.5	109.5	6.3000	7.99	1.000	29.85
140	532.2	114.8	6.3000	7.99	1.000	30.48
150	517.2	129.8	6.3000	7.99	1.000	32.17
160	520.3	126.7	6.3000	7.99	1.000	31.82
170	509.0	138.0	6.3000	7.99	1.000	33.10
180	496.6	150.4	6.3000	7.99	1.000	34.53
190	499.3	147.7	6.3000	7.99	1.000	34.22
200	512.9	134.1	6.3000	7.99	1.000	32.66
210	512.6	134.4	6.3000	7.99	1.000	32.69
220	526.9	120.1	6.3000	7.99	1.000	31.09
225	538.5	108.5	6.3000	7.99	1.000	29.72
230	542.7	104.3	6.3000	7.99	1.000	29.18
240	547.6	99.4	6.3000	7.99	1.000	28.53
250	540.8	106.2	6.3000	7.99	1.000	29.42
260	519.9	127.1	6.3000	7.99	1.000	31.86
270	512.4	134.6	6.3000	7.99	1.000	32.72
280	540.6	106.4	6.3000	7.99	1.000	29.45
290	540.1	106.9	6.3000	7.99	1.000	29.51
300	527.6	119.4	6.3000	7.99	1.000	31.01
310	522.2	124.8	6.3000	7.99	1.000	31.60
315	526.0	121.0	6.3000	7.99	1.000	31.19
320	530.4	116.6	6.3000	7.99	1.000	30.70
330	559.4	87.6	6.3000	7.99	1.000	26.86
340	569.8	77.2	6.3000	7.99	1.000	25.33
350	576.1	70.9	6.3000	7.99	1.000	24.38

FCC 30 second Terrain Data  
(yellow highlighted values establish average HAAT)

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**Interference Study**

CH 202C3      46 49 38.0 / 100 46 29.0      6.3 kW ERP (H&V, non-da)      647 m COR AMSL      111 m HAAT

CH	CALL	TYPE	AZI.	DIST	LAT.	Pwr (kW)	INT (km)	PRO (km)	*IN*	*OUT*
CITY		STATE	<--	FILE #	LNG.	HAAT (M)	COR (M)	LICENSEE	(Overlap in km)	

Reference station:

202C3	KBMK	LIC	270.0	0.00	46 49 38.00	8.500				
Bismarck		ND	90.0	BMLED20111116AIO	100 46 29.0	116	652	Educational Media Foundation		

FCC 30 second terrain data

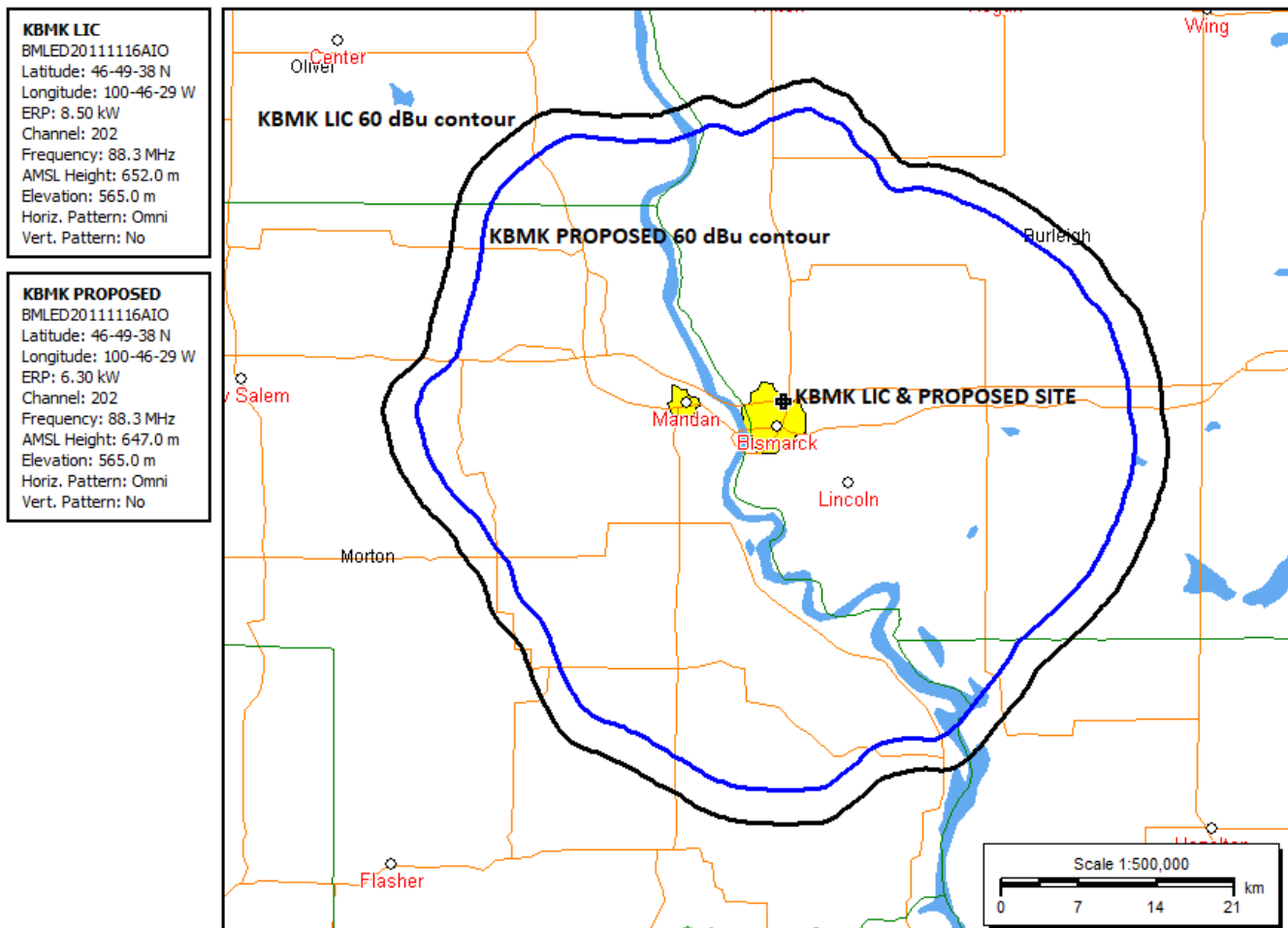
There are no co-channel, first, second or third adjacent channel, or I.F. channel facilities that are close enough to be included in this interference study. KBMK is located 241.6 km from the Canadian border and is fully spaced to all Canadian allocations and stations.

Per Section 73.525(a)(1), NCE-FM stations operating on CH 202 must provide protection to TV Channel 6 broadcast stations located within the distance of 257 km. There are no TV Channel 6 broadcast stations within 257 km of KBMK, therefore KBMK as proposed is in full compliance with all provisions of Section 73.525 with regard to Channel 6 TV protection.

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**Community of License Coverage Compliance with 73.515**

Below is a map showing KBMK's licensed and proposed 60 dBu contours. The proposed 60 dBu contour will continue to provide coverage over the community of license of Bismarck, ND.



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**Environmental Impact & RFR Compliance Statement**

KBMK is located at an established communications site that is in compliance with all environmental impact requirements.

KBMK currently operates with an ERP of 8.5 kW (V) at an antenna COR AGL height of 87 meters. This application proposes to duplex with KNRI which is currently located on the same tower. KBMK's ERP will be reduced to 6.3 kW (H&V) at an antenna COR AGL height of 82 meters. KNRI operates with an ERP of 1.3 kW (H&V) at an antenna COR AGL height of 82 meters. The RFR of the combined facilities of KBMK and KNRI at 2 meters above ground level at the base of the tower is 39.7% of the general population/uncontrolled MPE limit. There are other broadcast facilities located on the tower, K237FQ and K46DY. K237FQ operates with 0.250 kW ERP (H&V) at an antenna COR AGL height of 39 meters. The RFR at 2 meters above ground level at the base of the tower is 6.1% of the general population/uncontrolled MPE limit. K46DY operates with 8.7 kW ERP (H) at an antenna COR AGL height of 72 meters. The RFR at 2 meters above ground level at the base of the tower is 0.3% of the general population/uncontrolled MPE limit. The combined RFR of all broadcast facilities on the tower is 46.1% of the general population/uncontrolled MPE limit, therefore KBMK as proposed is in compliance with all RFR requirements.

RFR hazard warning signs are posted at the site. The applicant certifies that in cooperation with other users of the site all authorized personnel will be protected from RFR exposure in excess of FCC guidelines while accessing any controlled exposure area, including the tower, by either reducing power or ceasing operations.