

New NCE FM Construction Permit Application

This application complies with all engineering standards and assignment requirements specified in the applicable FCC rules and regulations. The technical parameters for the new NCE FM facility are as indicated below:

	New NCE FM
Channel / Class	207A
Geographical Coordinates (NAD 83)	39 29 46.8 106 01 44.6
ASRN	1032047
Site AMSL	3187.4 m
Tower AGL	60.0 m
COR AGL	58.6 m
COR AMSL	3246.0 m
HAAT	-37.3 m
ERP	0.410 kW (H&V, non-DA)

GLOBE terrain database

Tabulation of HAAT / ERP / distance to 1 mV/m contour

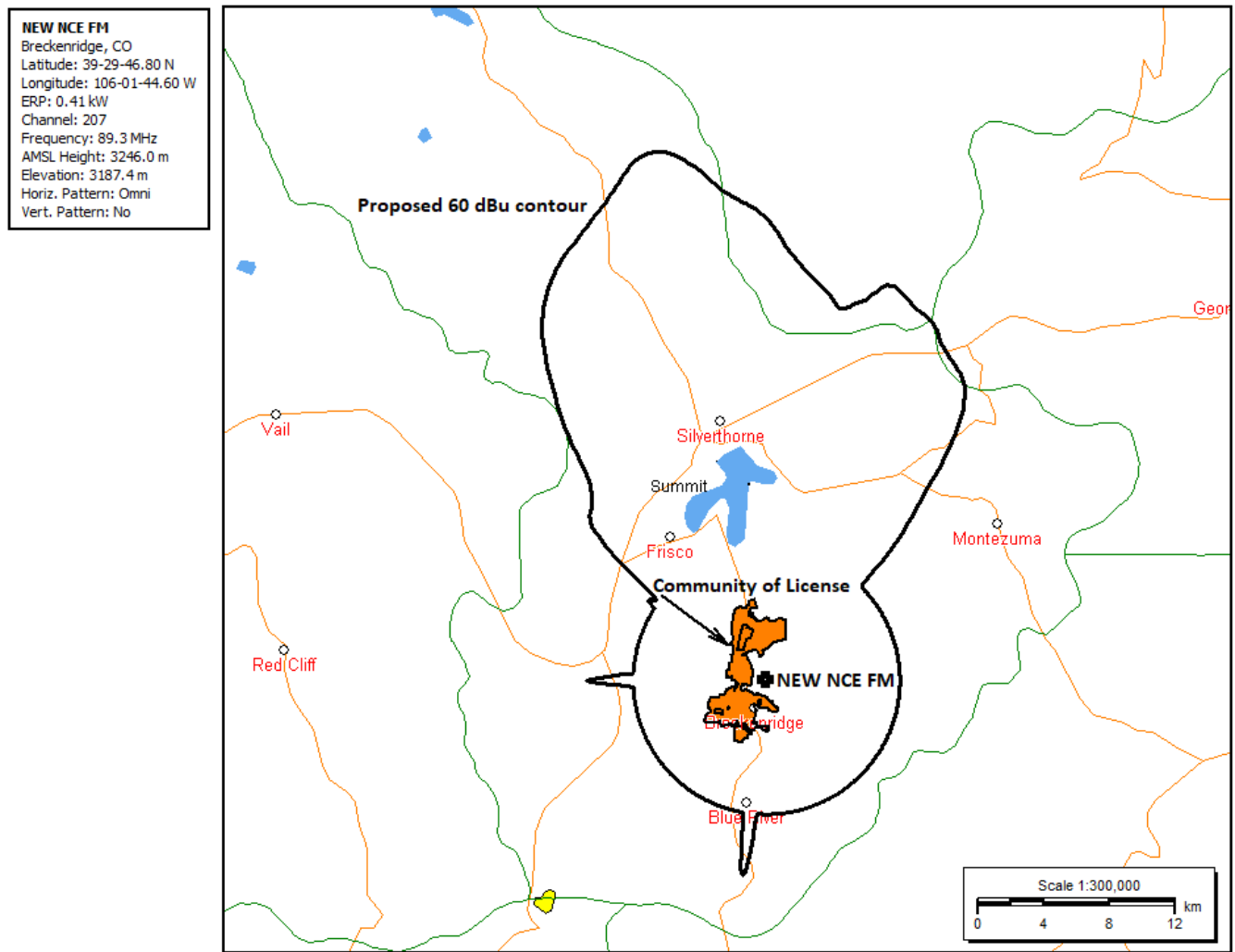
CH 207 39 29 46.8 / 106 01 44.6 0.410 kW ERP (H&V, non-DA) 3246.0 m COR AMSL -37.3 m HAAT

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	2881.4	364.6	0.4100	-3.87	1.000	27.91
010	2991.5	254.5	0.4100	-3.87	1.000	23.46
020	2956.0	290.0	0.4100	-3.87	1.000	24.93
030	3012.1	233.9	0.4100	-3.87	1.000	22.55
040	3137.8	108.2	0.4100	-3.87	1.000	15.20
045	3215.4	30.6	0.4100	-3.87	1.000	8.13
050	3290.1	-44.1	0.4100	-3.87	1.000	8.05
060	3298.2	-52.2	0.4100	-3.87	1.000	8.05
070	3324.7	-78.7	0.4100	-3.87	1.000	8.05
080	3398.3	-152.3	0.4100	-3.87	1.000	8.05
090	3375.0	-129.0	0.4100	-3.87	1.000	8.05
100	3410.0	-164.0	0.4100	-3.87	1.000	8.05
110	3344.6	-98.6	0.4100	-3.87	1.000	8.05
120	3422.2	-176.2	0.4100	-3.87	1.000	8.05
130	3436.7	-190.7	0.4100	-3.87	1.000	8.05
135	3510.1	-264.1	0.4100	-3.87	1.000	8.05
140	3609.1	-363.1	0.4100	-3.87	1.000	8.05
150	3390.5	-144.5	0.4100	-3.87	1.000	8.05
160	3323.1	-77.1	0.4100	-3.87	1.000	8.05
170	3446.2	-200.2	0.4100	-3.87	1.000	8.05
180	3352.4	-106.4	0.4100	-3.87	1.000	8.05
190	3220.6	25.4	0.4100	-3.87	1.000	8.05
200	3406.1	-160.1	0.4100	-3.87	1.000	8.05
210	3586.2	-340.2	0.4100	-3.87	1.000	8.05
220	3683.1	-437.1	0.4100	-3.87	1.000	8.05
225	3610.1	-364.1	0.4100	-3.87	1.000	8.05
230	3514.9	-268.9	0.4100	-3.87	1.000	8.05
240	3354.8	-108.8	0.4100	-3.87	1.000	8.05
250	3474.3	-228.3	0.4100	-3.87	1.000	8.05
260	3349.8	-103.8	0.4100	-3.87	1.000	8.05
270	3188.2	57.8	0.4100	-3.87	1.000	11.28
280	3314.3	-68.3	0.4100	-3.87	1.000	8.05
290	3312.6	-66.6	0.4100	-3.87	1.000	8.05
300	3262.1	-16.1	0.4100	-3.87	1.000	8.05
310	3160.9	85.1	0.4100	-3.87	1.000	13.41
315	3133.8	112.2	0.4100	-3.87	1.000	15.51
320	3094.7	151.3	0.4100	-3.87	1.000	18.29
330	2910.2	335.8	0.4100	-3.87	1.000	26.78
340	2821.9	424.1	0.4100	-3.87	1.000	29.95
350	2762.6	483.4	0.4100	-3.87	1.000	32.15

GLOBE terrain database
(yellow highlighted values establish average HAAT)

Community of License Coverage Compliance with Section 73.515

The proposed 60 dBu contour will provide full coverage over the community of license of Breckenridge, CO.



GLOBE terrain database

The 60 dBu contour population and area were determined by the V-Soft Communications Probe 5 software program using the 2010 Census data as is indicated below:

Population Database: 2010 US Census (PL)

		Population	Housing Units	Area (sq. km)
NEW NCE FM (207)	[Breckenridge, 1]			
F(50-50)	60.00 dBu	26,725	27,010	654.8

Allocation Study

CH 207 39 29 46.8 / 106 01 44.6 0.410 kW ERP (H&V, non-DA) 3246.0 m COR AMSL -37.3 m HAAT

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
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Co-channel, 1st, 2nd, & 3rd adjacent channel relationships:

205C1 KCJX Carbondale	LIC CO	266.1 85.3	115.73 BLED20040907AAD	39 25 07.90 107 22 12.10	4.000 775	3.7 3227	68.9 Roaring Fork Public Radio,	100.8	45.0
206C3 KTLC Canon City	LIC CO	139.4 319.9	108.07 BLED20021001ABS	38 45 20.90 105 13 03.90	1.150 450	70.2 3175	44.6 Educational Communications	30.0	50.3
207C2 KLBV Steamboat Springs CO	LIC CO	330.1 149.6	122.69 BLED20091125AGM	40 27 03.90 106 45 08.10	2.600 528	91.9 3146	35.0 Educational Media Foundation	0.3	6.8
207C1 KUVO Denver	LIC CO	73.9 254.4	72.40 BLED20181105AAP	39 40 24.30 105 13 04.50	12.000 342	58.2 2364	18.3 Rocky Mountain Public Media	6.2	26.8
209C0 KXGR Loveland	LIC CO	25.3 205.8	138.09 BLED20081218AEY	40 37 02.90 105 19 41.90	80.000 372	4.4 2561	44.9 Calvary Chapel Aurora	108.7	77.2
210A KPVE Vail	CP CO	290.4 110.1	38.54 BPED20190510AAC	39 36 57.90 106 27 00.10	0.500 -217	1.6 2732	8.5 Public Broadcasting Of Col	21.8	26.7
210A KPVE Vail	LIC CO	290.4 110.1	38.50 0000087490	39 36 58.00 106 26 58.00	0.500 -217	1.6 2732	8.5 Public Broadcasting Of Col	21.8	26.6

I.F. relationships:

N/A

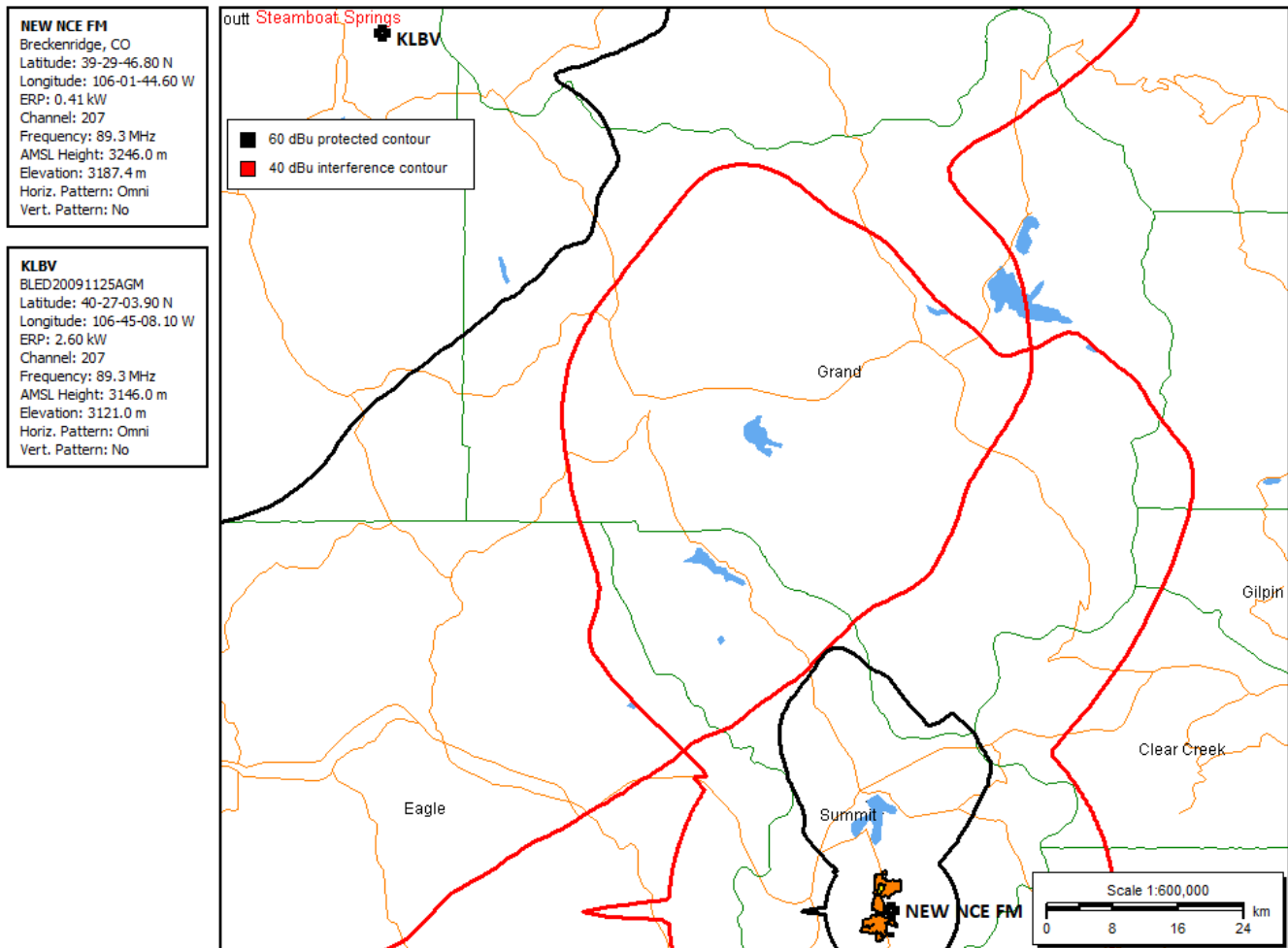
Channel 6 TV Protection

Per Section 73.525(a)(1), NCE-FM stations operating on CH 207 must provide protection to TV Channel 6 broadcast stations located within a distance of 196 km. There are no TV Channel 6 broadcast stations within 196 km of the proposed location of the new NCE FM, therefore it is in full compliance with all provisions of Section 73.525 with regard to Channel 6 TV protection.

GLOBE terrain database

Allocation Study

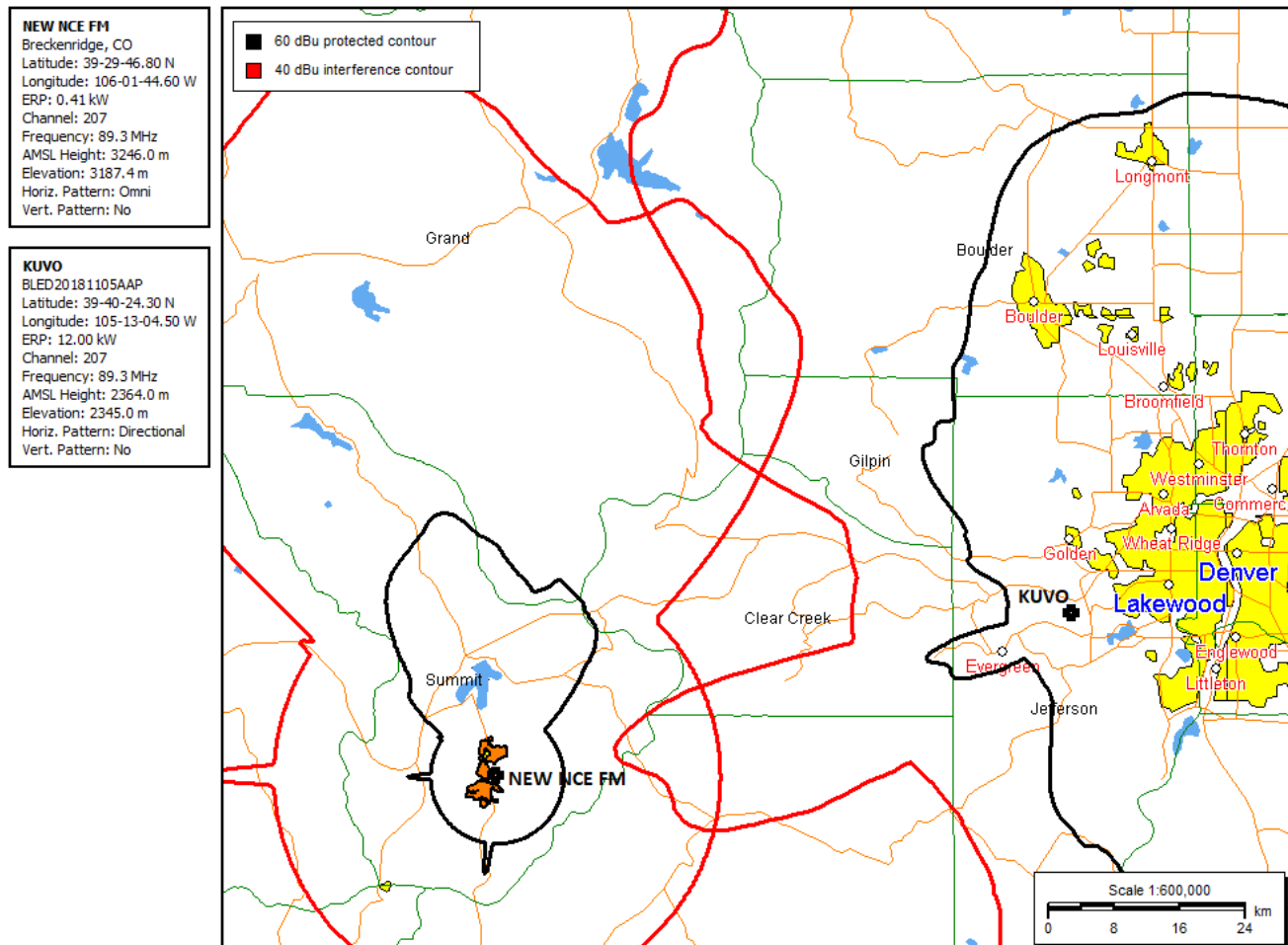
Below is a map demonstrating the lack of prohibited overlap between the proposed new NCE FM and KLBV.



GLOBE terrain database

Allocation Study

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GLOBE terrain database

Environmental Impact & RFR Compliance Statement

The proposed new NCE FM will be located at an established communications site that is in compliance with all environmental impact requirements.

The new NCE FM will operate with 0.410 kW ERP (H&V, non-DA) at an antenna height AGL of 58.6 meters. For a worst-case estimation at 2 meters above ground level the RFR is no more than 4.3% of the general population/uncontrolled MPE limit. Facilities that contribute no more than 5% of the general population/uncontrolled MPE limit at the site comply with the requirements of OET Bulletin No. 65 with no further study, therefore the proposed new NCE FM is in compliance with all environmental and RFR requirements.

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.