

New NCE FM CP Application Amendment

This application complies with all engineering standards and assignment requirements specified in the applicable FCC rules and regulations. This application is being amended to change from channel 207 to channel 204 and to change the ERP from 0.410 kW to 0.310 kW as is indicated below:

	New NCE FM Application	New NCE FM Amendment
Channel / Class	207A	204A
Geographical Coordinates (NAD 83)	39 29 46.8 106 01 44.6	39 29 46.8 106 01 44.6
ASRN	1032047	1032047
Site AMSL	3187.4 m	3187.4 m
Tower AGL	60.0 m	60.0 m
COR AGL	58.6 m	58.6 m
COR AMSL	3246.0 m	3246.0 m
HAAT	-37.3 m	-37.3 m
ERP	0.410 kW (H&V, non-DA)	0.310 kW (H&V, non-DA)

FCC 30 second terrain database

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

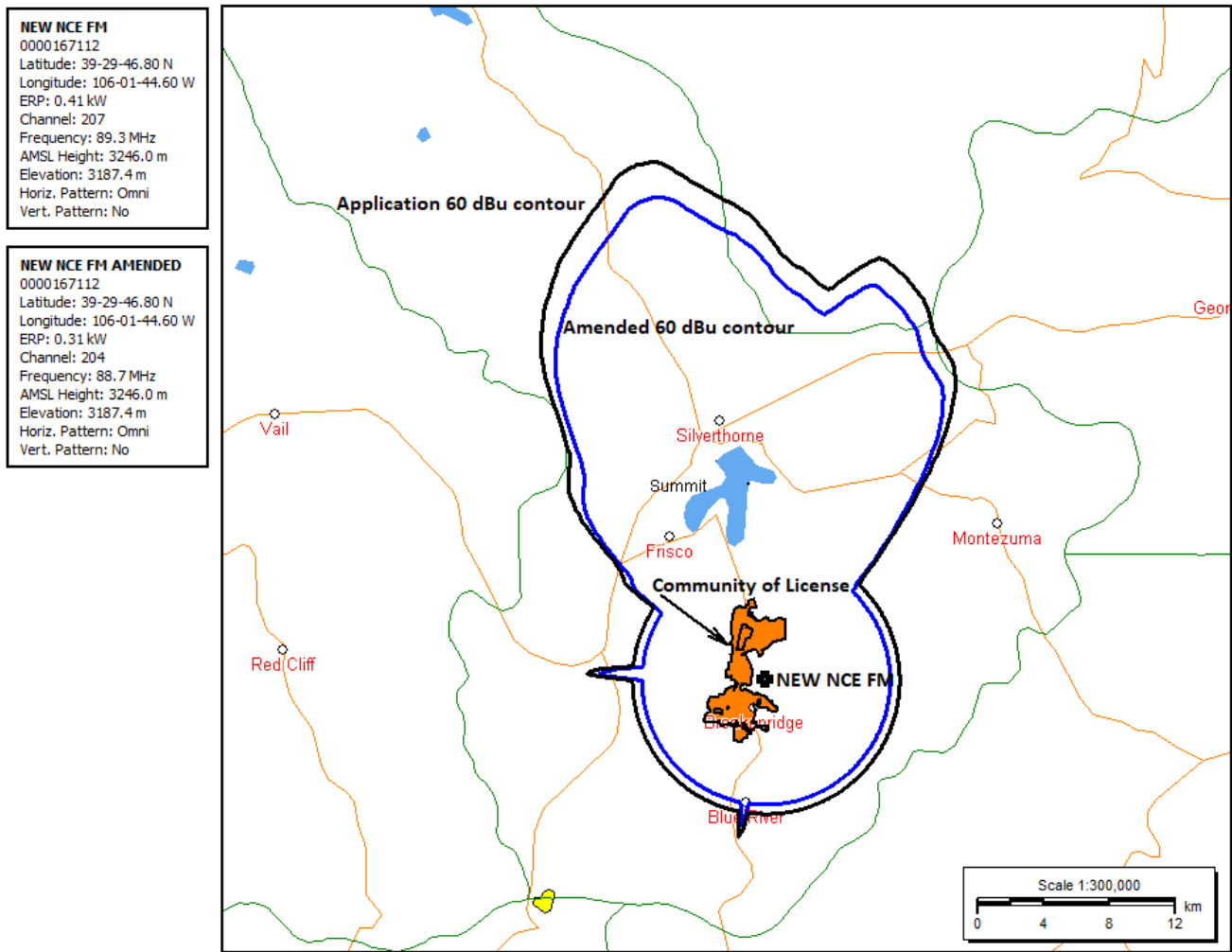
CH 204 39 29 46.8 / 106 01 44.6 0.310 kW ERP (H&V, non-DA) 3246.0 m COR AMSL -37.3 m HAAT

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	2905.8	340.2	0.3100	-5.09	1.000	25.22
010	2970.0	276.0	0.3100	-5.09	1.000	22.81
015	2915.3	330.7	0.3100	-5.09	1.000	24.88
020	2937.1	308.9	0.3100	-5.09	1.000	24.07
030	3015.8	230.2	0.3100	-5.09	1.000	20.93
040	3165.2	80.8	0.3100	-5.09	1.000	12.23
045	3244.6	1.4	0.3100	-5.09	1.000	7.48
050	3303.0	-57.0	0.3100	-5.09	1.000	7.48
060	3344.0	-98.0	0.3100	-5.09	1.000	7.48
070	3317.3	-71.3	0.3100	-5.09	1.000	7.48
080	3395.1	-149.1	0.3100	-5.09	1.000	7.48
090	3411.7	-165.7	0.3100	-5.09	1.000	7.48
100	3419.4	-173.4	0.3100	-5.09	1.000	7.48
110	3367.0	-121.0	0.3100	-5.09	1.000	7.48
120	3430.2	-184.2	0.3100	-5.09	1.000	7.48
130	3472.3	-226.3	0.3100	-5.09	1.000	7.48
135	3557.3	-311.3	0.3100	-5.09	1.000	7.48
140	3653.5	-407.5	0.3100	-5.09	1.000	7.48
150	3418.5	-172.5	0.3100	-5.09	1.000	7.48
160	3346.1	-100.1	0.3100	-5.09	1.000	7.48
170	3456.7	-210.7	0.3100	-5.09	1.000	7.48
180	3447.9	-201.9	0.3100	-5.09	1.000	7.48
190	3198.7	47.3	0.3100	-5.09	1.000	9.50
200	3375.2	-129.2	0.3100	-5.09	1.000	7.48
210	3561.1	-315.1	0.3100	-5.09	1.000	7.48
220	3692.3	-446.3	0.3100	-5.09	1.000	7.48
225	3651.3	-405.3	0.3100	-5.09	1.000	7.48
230	3573.7	-327.7	0.3100	-5.09	1.000	7.48
240	3399.7	-153.7	0.3100	-5.09	1.000	7.48
250	3435.6	-189.6	0.3100	-5.09	1.000	7.48
260	3396.7	-150.7	0.3100	-5.09	1.000	7.48
270	3214.9	31.1	0.3100	-5.09	1.000	7.60
280	3287.7	-41.7	0.3100	-5.09	1.000	7.48
290	3316.6	-70.6	0.3100	-5.09	1.000	7.48
300	3267.3	-21.3	0.3100	-5.09	1.000	7.48
310	3150.2	95.8	0.3100	-5.09	1.000	13.28
315	3107.2	138.8	0.3100	-5.09	1.000	16.12
320	3079.4	166.6	0.3100	-5.09	1.000	17.92
330	2916.1	329.9	0.3100	-5.09	1.000	24.85
340	2814.3	431.7	0.3100	-5.09	1.000	28.22
350	2789.8	456.3	0.3100	-5.09	1.000	29.02

FCC 30 second terrain data
(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.



FCC 30 second terrain data

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 AMENDED (204)	[Breckenridge,]			
F(50-50)	60.00 dBu	26,052	26,395	570.9

Allocation Study

CH 204 39 29 46.8 / 106 01 44.6 0.310 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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Reference station:

207A	767308	APP	0.0	0.00	39 29 46.80	0.410	1.4	27.0		
Breckenridge		CO	0.0	000167112	106 01 44.60	-37	3246	Educational Media Foundation		

Co-channel, 1st, 2nd, & 3rd adjacent channel relationships:

201C2	KDNK	LIC	266.1	115.73	39 25 07.90	1.200	2.1	57.3	103.2	56.9
Glenwood Springs		CO	85.3	BLED20041022ABU	107 22 12.10	775	3227	Carbondale Community Acces		
01C3	KVOD	LIC	68.6	72.97	39 43 58.00	4.400	1.6	14.5	56.4	47.0
Lakewood		CO	249.1	BLED20180405ABR	105 14 10.00	238	2275	Public Broadcasting Of Col		
202C3	KFFR	LIC	19.4	60.23	40 00 28.00	10.000	1.8	18.1	33.6	34.7
Winter Park		CO	199.5	0000161226	105 47 40.00	-171	2754	Fraser Valley Community Me		
203A	KVQI	LIC	290.3	38.50	39 36 55.90	5.000	22.4	15.0	1.3	8.3
Vail		CO	110.0	BLED20091112AJH	106 26 59.10	-241	2730	Public Broadcasting Of Col		
203A	KGNU-FM	LIC	53.3	92.99	39 59 32.90	4.000	21.1	14.2	52.7	68.1
Boulder		CO	233.8	BLED20100528ADY	105 09 17.90	65	1732	Boulder Community Broadcast		
203C2	KGNU-FM	APP	54.8	117.54	40 05 57.00	6.500	65.2	44.9	33.8	61.3
Boulder		CO	235.5	0000157412	104 54 03.20	339	1859	Boulder Community Broadcast		
204C3	KGNI	LIC	215.4	131.54	38 31 41.00	6.500	74.5	16.1	51.6	71.7
Gunnison		CO	34.8	BLED20130809AAK	106 54 16.20	106	2639	Crested Butte Mountain Edu		
204C1	KCME	LIC	129.3	130.98	38 44 39.90	12.000	105.0	38.4	18.8	45.2
Manitou Springs		CO	310.1	BLED19990203KA	104 51 42.90	668	2918	Cheyenne Mountain Public B		
205C1	KCJX	LIC	266.1	115.73	39 25 07.90	4.000	105.8	69.4	0.2	31.7
Carbondale		CO	85.3	BLED20040907AAD	107 22 12.10	775	3227	Roaring Fork Public Radio,		
206C3	KTLC	LIC	139.4	108.07	38 45 20.90	1.150	2.3	43.7	98.3	61.4
Canon City		CO	319.9	BLED20021001ABS	105 13 03.90	450	3175	Educational Communications		
206C3	765488	APP	19.4	60.21	40 00 26.80	9.900	1.8	18.1	33.6	33.3
Fraser		CO	199.5	0000166979	105 47 39.30	-162	2764	Fraser Valley Community Me		
206A	767296	APP	53.9	51.26	39 45 58.90	0.040	0.1	2.0	33.1	43.2
Central City		CO	234.3	0000167318	105 32 40.90	137	2963	Cheyenne Broadcasting Foun		
07C1	KUVO	LIC	73.9	72.40	39 40 24.30	12.000	1.4	17.8	57.6	53.0
Denver		CO	254.4	BLED20181105AAP	105 13 04.50	342	2364	Rocky Mountain Public Medi		

I.F. relationships:

258C	KQMT	LIC	68.9	72.82	39 43 43.90	100.000	0.0	0.0	28.5R	44.3M
Denver		CO	249.4	BLH20150622AFQ	105 14 09.90	513	2280	Audacy License, LLC		

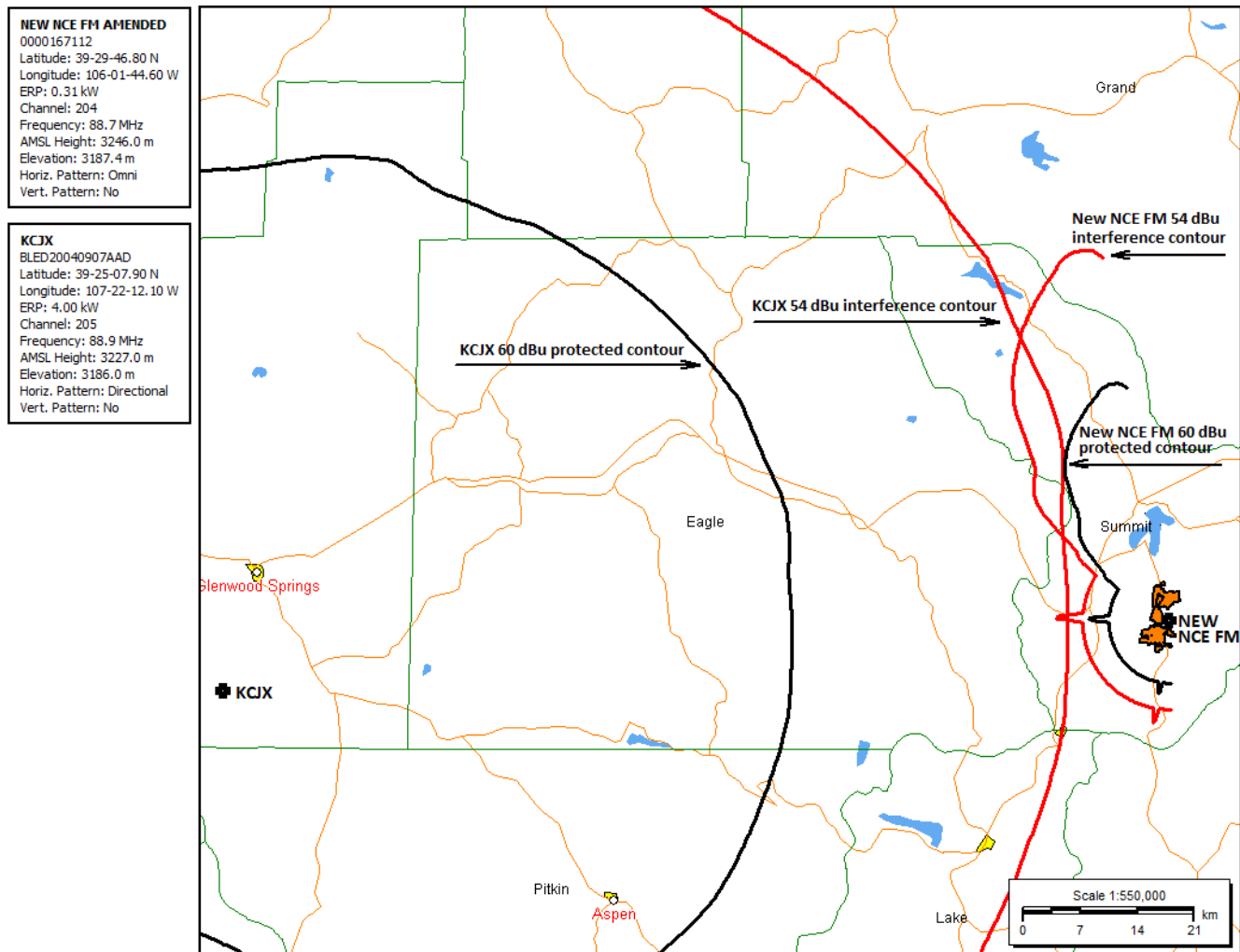
Channel 6 TV Protection

Per Section 73.525(a)(1), NCE-FM stations operating on CH 204 must provide protection to TV Channel 6 broadcast stations located within a distance of 235 km. There are no TV Channel 6 broadcast stations within 235 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.

FCC 30 second terrain data

Allocation Study

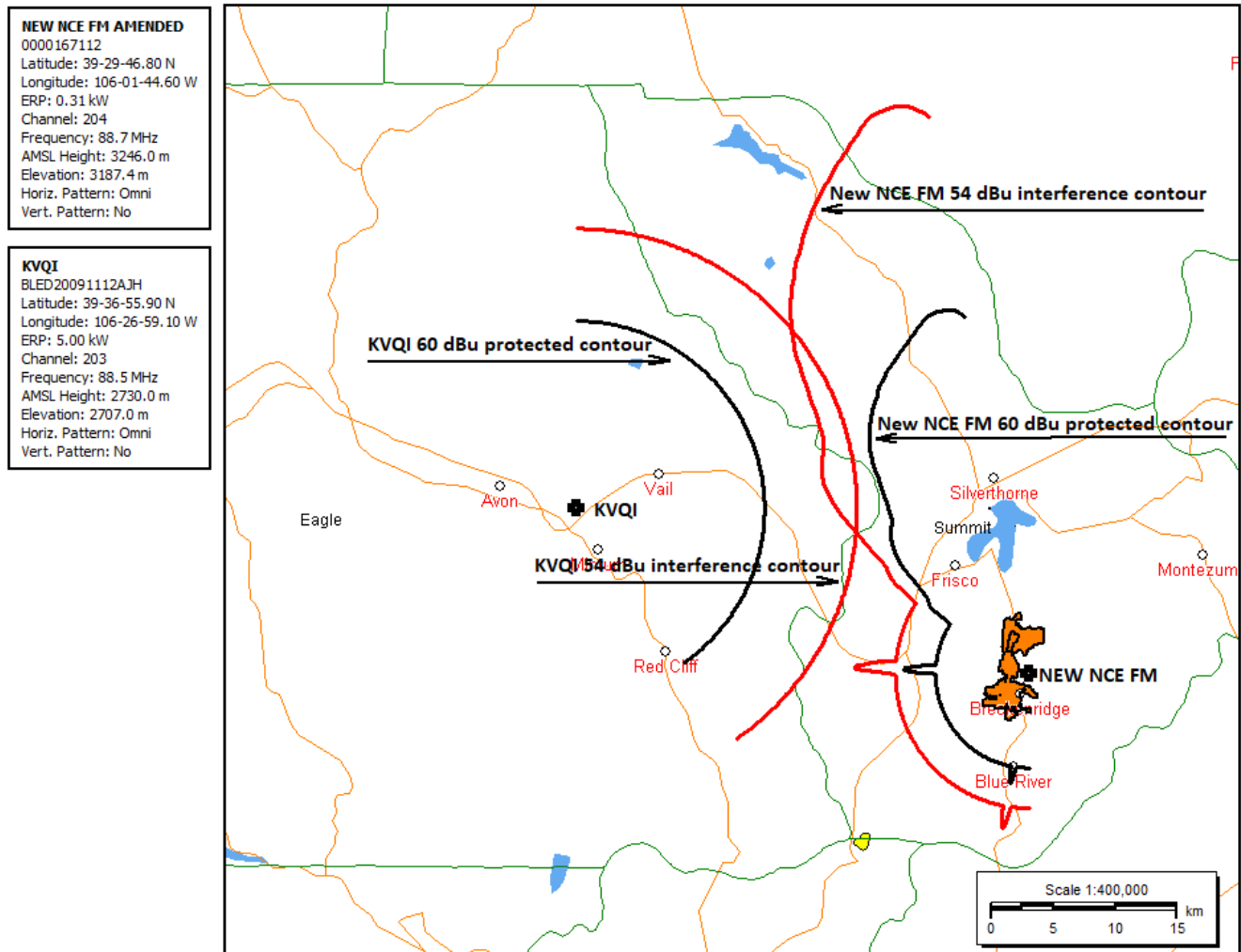
The below map demonstrates the lack of prohibited overlap between the amended New NCE FM application and KCJX, CH 205C1, Carbondale, CO.



FCC 30 second terrain data

Allocation Study

The below map demonstrates the lack of prohibited overlap between the amended New NCE FM application and KVQI, CH 203A, Vail, CO.



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 0.310 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 3.2% 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.