

July 2019
KISN(FM) Channel 244C3
Belgrade, Montana
Allocation Study

Background

The instant application proposes a “one step” modification of KISN, from Channel 244C2 Belgrade to Channel 244C3 Belgrade, at a new transmitter site. Since this is a same-channel downgrade, Commission policy does not require the specification of a fully-spaced allotment site.

Spacing Study

The attached spacing study shows that the proposed Channel 244C3 transmitter site meets the co-channel and adjacent channel spacing requirements for Class C3 stations as prescribed in §73.207 of the Commission's Rules, with the exception of a short-spacing to the licensed operation of KQRV on Channel 245C1 at Deer Lodge. This proposal satisfies the minimum spacing requirements which are specified in §73.215(e). Processing pursuant to §73.215 of the Commission's Rules is requested with respect to KQRV.

Despite the fact that the licensed KISN facility operates from a transmitter site which is fully-spaced to KQRV, there is existing overlap of the licensed KISN 54 dBu F(50,10) contour to the licensed KQRV 60 dBu F(50,50) contour, and of the licensed KQRV 100 dBu F(50,10) contour to the licensed KISN 60 dBu F(50,50) contour.

As depicted on the attached allocation study maps and in the following table, implementation of the proposed KISN facility will result in a decrease in the overlap received by both stations.

	KQRV Overlap Received	KISN Overlap Received
Licensed KISN	1,761 sq km	2,481 sq km
Proposed KISN	732 sq km	2,203 sq km
Change	- 1,029 sq km	- 278 sq km

Commission policy permits areas of existing “fully spaced” overlap to be maintained in short-spaced applications so long as the area of overlap is not increased.¹ Therefore, it is believed that the instant application complies with all allocation requirements with respect to KQRV. It is not believed necessary to request a waiver in this situation, but waiver of §73.215 is nevertheless requested to the extent required.

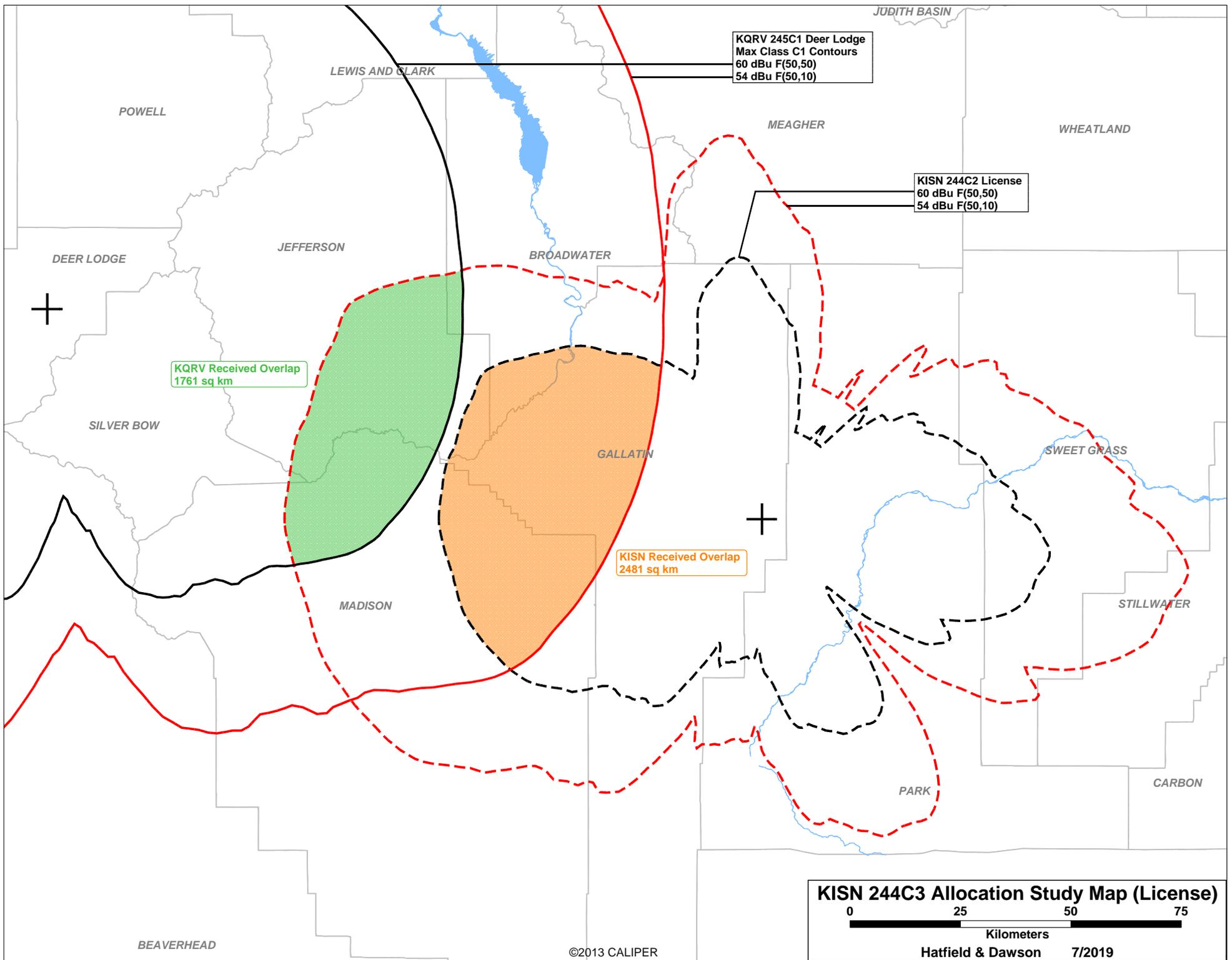
¹ See, for example: KRBN 232C3 Manton, CA, BPH-20180827AAA; KNOB Healdsburg, CA, BPH-20180227AAQ; KQFO Pasco, WA, BPH-20160315ABS; KWVR-FM Enterprise, OR, BPH-20150630AAG; KLXB Bermuda Dunes, CA, BPH-20150622AFT; KRKZ-FM Chinook, WA, BPH-20130415ACM, and others.

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SEARCH PARAMETERS                               FM Database Date: 190722
Channel: 244C3   96.7 MHz                       Page 1
Latitude: 45 38 16
Longitude: 111 16 5
Safety Zone: 32 km
Job Title: KISN 244C3 HIGH FLAT
    
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Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
K242DC LIC	BIG SKY MT	BLFT-80726AAF	242D 96.3	0.010 639.0	45-16-28 111-23-34	193.6	41.54 0.00	0 TRANS
KISN LIC	BELGRADE MT	BLH-60921ABM	244C2 96.7	18.500 248.0	45-40-24 110-52-02	82.6	31.49 -145.51	177 SHORT
KQRV LIC	DEER LODGE MT	BLH-00407ACG	245C1 96.9	20.000 300.0	46-06-03 112-57-00	292.2	140.37 -3.63	144 SHORT
ABSOLUTE MINIMUM 73.215 SPACING = 133 KM								
K246BA LIC	BOZEMAN MT	BLFT-00128AGJ	246D 97.1	0.028 134.0	45-39-59 111-02-47	79.5	17.57 0.00	0 TRANS
K246BL LIC	LIVINGSTON MT	BLFT-70821AEN	246D 97.1	0.010 DA -74.0	45-41-49 110-46-03	80.2	39.56 0.00	0 TRANS

==== END OF FM SPACING STUDY FOR CHANNEL 244 =====



KQRV 245C1 Deer Lodge
 Max Class C1 Contours
 60 dBu F(50,50)
 54 dBu F(50,10)

KISN 244C2 License
 60 dBu F(50,50)
 54 dBu F(50,10)

KQRV Received Overlap
 1761 sq km

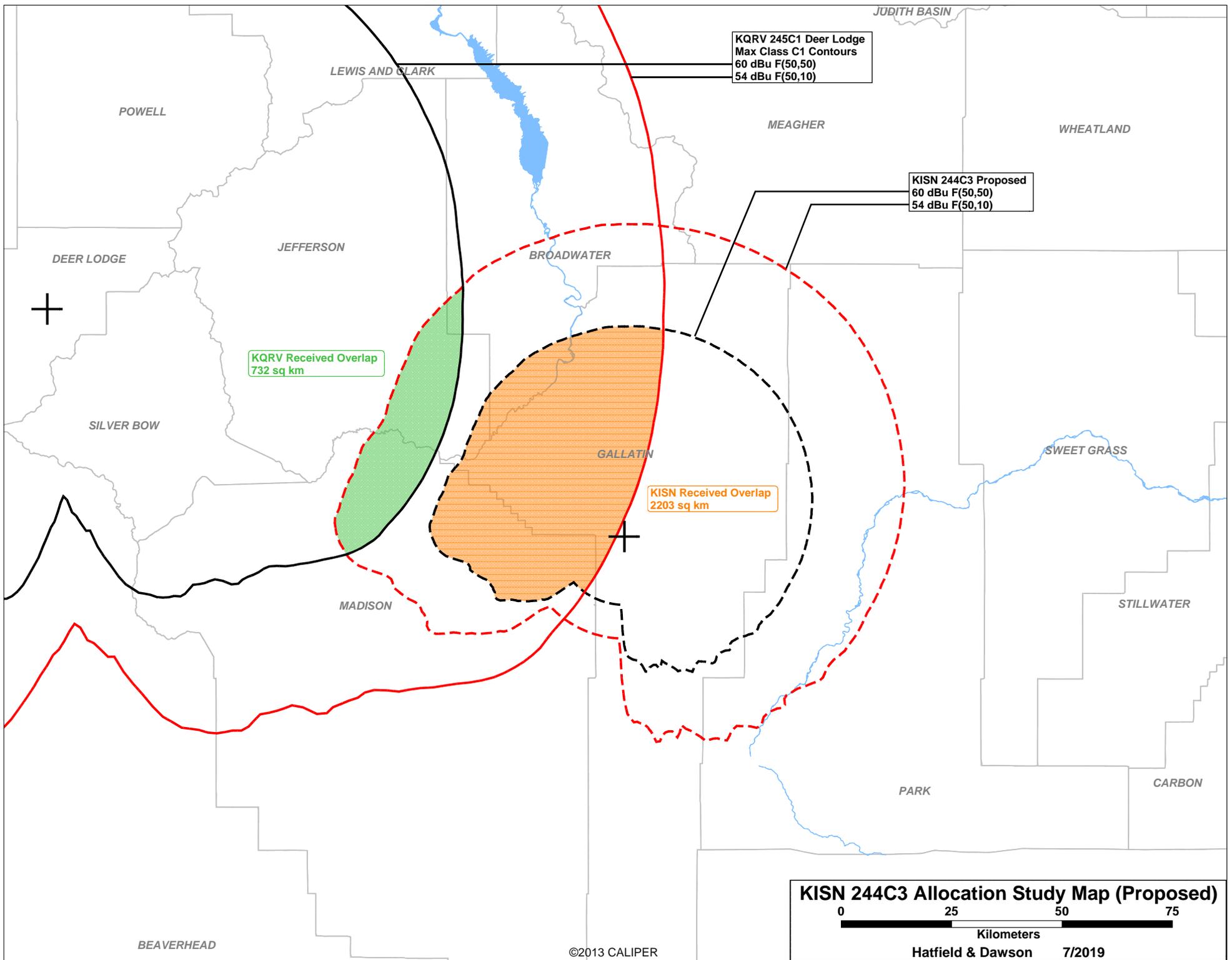
KISN Received Overlap
 2481 sq km

KISN 244C3 Allocation Study Map (License)

0 25 50 75

Kilometers

Hatfield & Dawson 7/2019



KQRV 245C1 Deer Lodge
 Max Class C1 Contours
 60 dBu F(50,50)
 54 dBu F(50,10)

KISN 244C3 Proposed
 60 dBu F(50,50)
 54 dBu F(50,10)

KQRV Received Overlap
 732 sq km

KISN Received Overlap
 2203 sq km

KISN 244C3 Allocation Study Map (Proposed)

0 25 50 75

Kilometers

Hatfield & Dawson 7/2019



Mercator Projection
 NAD27 Conus
 USNG Zone 12TVR
 CalTopo

