

**September 2016**  
**KVGH-FM Channel 286A**  
**Bermuda Dunes, CA**  
**Allocation Study**

**Background**

KVGH-FM is currently licensed for operation on Channel 286A at North Shore, California, but holds a construction permit for relocation of its transmitter site on Channel 286A at Bermuda Dunes. The instant application proposes a minor modification of the Bermuda Dunes construction permit, to a structure which is just 310 meters from the CP site. The proposed modified facility is functionally equivalent to that specified in the outstanding CP.

**Bermuda Dunes Channel 286A Transmitter Site**

The attached spacing study shows that the proposed transmitter site meets the co-channel and adjacent channel spacing requirements for Class A stations as prescribed in §73.207 of the Commission's Rules, with the exception of a short-spacing to the licensed operation of KKG0 on Channel 286B at Los Angeles. Processing pursuant to §73.215 of the Commission's Rules is requested with respect to KKG0.

Despite the fact that the licensed KVGH-FM facility operates from a transmitter site which is fully-spaced to KKG0, there does exist overlap of the licensed KVGH-FM 34 dBu F(50,10) contour to the KKG0 54 dBu F(50,50) contour<sup>1</sup> amounting to 1,965 sq km of land area.

As depicted on the attached allocation study maps, the proposed KVGH-FM facility does not increase the area of overlap caused to KKG0. Specifically, the area of overlap caused to KKG0 will be reduced to 225 sq km. This amounts to a reduction in overlap by 1,740 sq km or 89% of the existing overlap area.

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. Therefore, it is believed that the instant application complies with all allocation requirements with respect to KKG0. It is not

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<sup>1</sup> There is no overlap of the KKG0 40 dBu F(50,10) contour to either the existing or proposed KVGH-FM 60 dBu F(50,50) contour.

believed necessary to request a waiver in this situation, but waiver of §73.215 is nevertheless requested to the extent required.

The spacing study also demonstrates that the proposed transmitter site is mutually-exclusive with the licensed KVGH-FM operation.

## SEARCH PARAMETERS

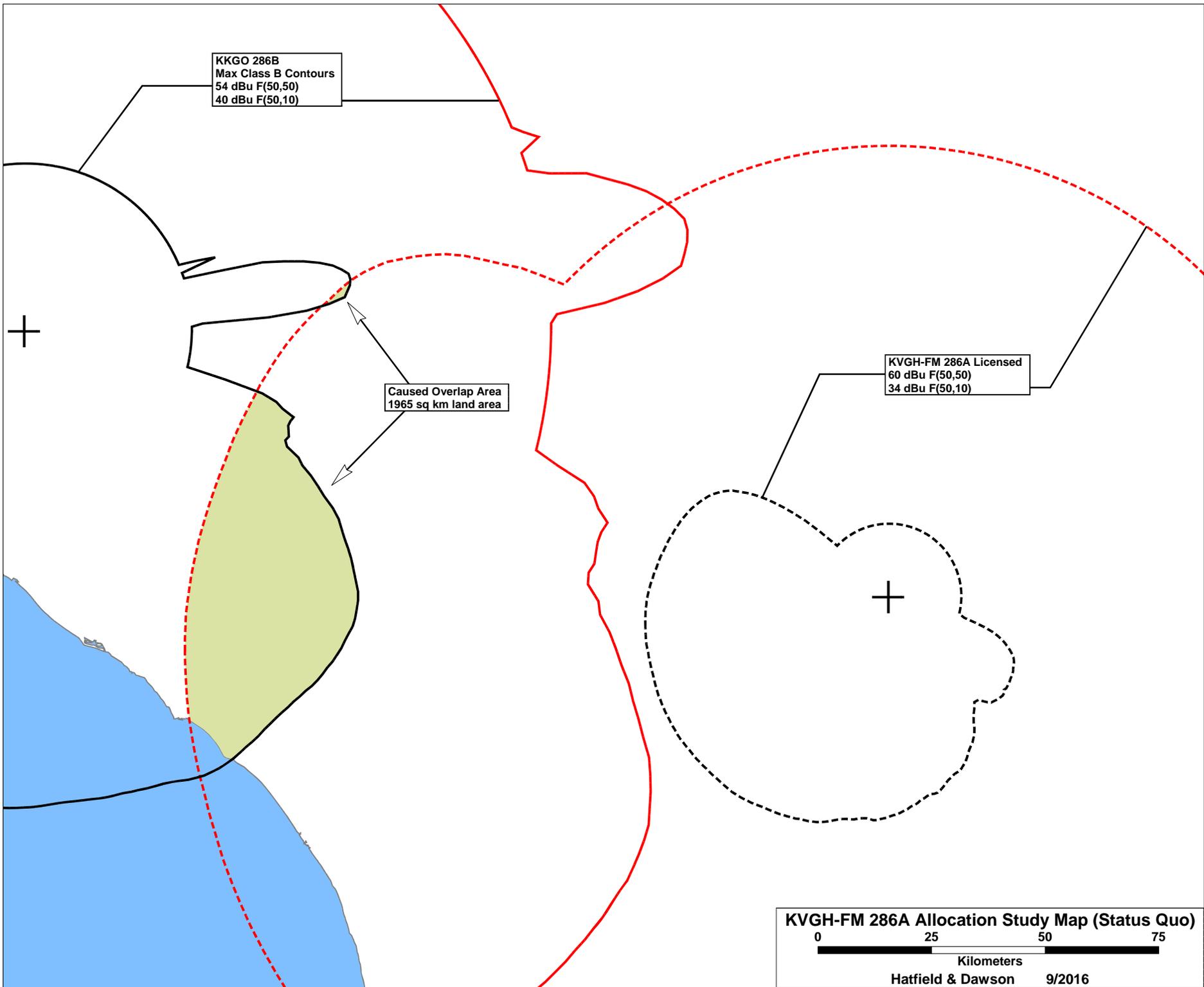
FM Database Date: 160909

Channel: 286A 105.1 MHz  
 Latitude: 33 51 55  
 Longitude: 116 26 10  
 Safety Zone: 32 km  
 Job Title: KVGH-FM 286A EDOM HILL

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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)
K232CX LIC	DESERT HOT CA	SPRINGS BLFT-91001AEE	232D 94.3	0.099 412.0	33-51-56 116-25-58	84.3	0.31 0.00	0 TRANS
KCLZ APP	TWENTYNINE CA	PALMS BPH-60830ABG	BAS 283A 104.5	6.000 70.0	34-09-16 116-12-04	33.9 SS	38.73 7.73	31 CLOSE
KCLZ RSV	TWENTYNINE CA	PALMS -	BAS 283A 104.5	0.000 0.0	34-09-16 116-12-04	33.9	38.73 7.73	31 CLOSE
K271CI APP	PALM SPRINGS CA	BPFT-60729AOJ	284D 104.7	0.250 474.0	DA 33-47-46 116-13-17	111.1	21.31 0.00	0 TRANS
KQIE LIC	REDLANDS CA	BLH-00903ACG	284A 104.7	1.350 213.0	34-02-13 116-58-07	291.4	52.78 21.78	31 CLEAR
NEW CP	WILDOMAR CA	BNPL-31113AIQ	285L1 104.9	0.050 -132.0	33-35-13 117-15-09	247.9	81.72 25.72	56 CLEAR
KVGH-FM CP	BERMUDA DUNES CA	BPH-50622AFT	286A 105.1	1.500 198.0	DA 33-51-59 116-25-59	66.3 SS	0.31 -114.69	115 SHORT
KKGO LIC	LOS ANGELES CA	BLH-870225KA	286B 105.1	18.000 880.0	34-13-45 118-04-04	285.5	155.97 -22.03	178 SHORT
ABSOLUTE MINIMUM 73.215 SPACING = 143 KM								
KVGH-FM LIC	NORTH SHORE CA	BLH-50522AGE	286A 105.1	6.000 27.0	33-42-09 116-00-41	114.6	43.28 -71.72	115 SHORT
KIOZ LIC	SAN DIEGO CA	BLH-70411ACO	287B 105.3	26.000 210.0	32-50-20 117-14-56	213.7	136.68 23.68	113 CLEAR
KWBB-LP LIC	BIG BEAR LAKE CA	BLL-20521AAS	288L1 105.5	0.008 100.0	34-15-15 116-52-32	317.0	59.22 0.00	0 LPFM
K288DR LIC	DESERT HOT SPRINGS, CA	BMLFT-90127AEN	288D 105.5	0.010 396.0	33-51-56 116-26-04	78.7	0.16 0.00	0 TRANS
KXRS CP MOD	HEMET CA	BMPH-90210AEA	288A 105.5	6.000 85.0	34-01-41 116-58-40	290.1	53.23 22.23	31 CLEAR
KXRS LIC	HEMET CA	BLH-881116KE	289A 105.7	0.170 312.0	33-41-17 116-55-32	246.6	49.41 18.41	31 CLEAR

==== END OF FM SPACING STUDY FOR CHANNEL 286 ====



KKGO 286B  
Max Class B Contours  
54 dBu F(50,50)  
40 dBu F(50,10)

Caused Overlap Area  
1965 sq km land area

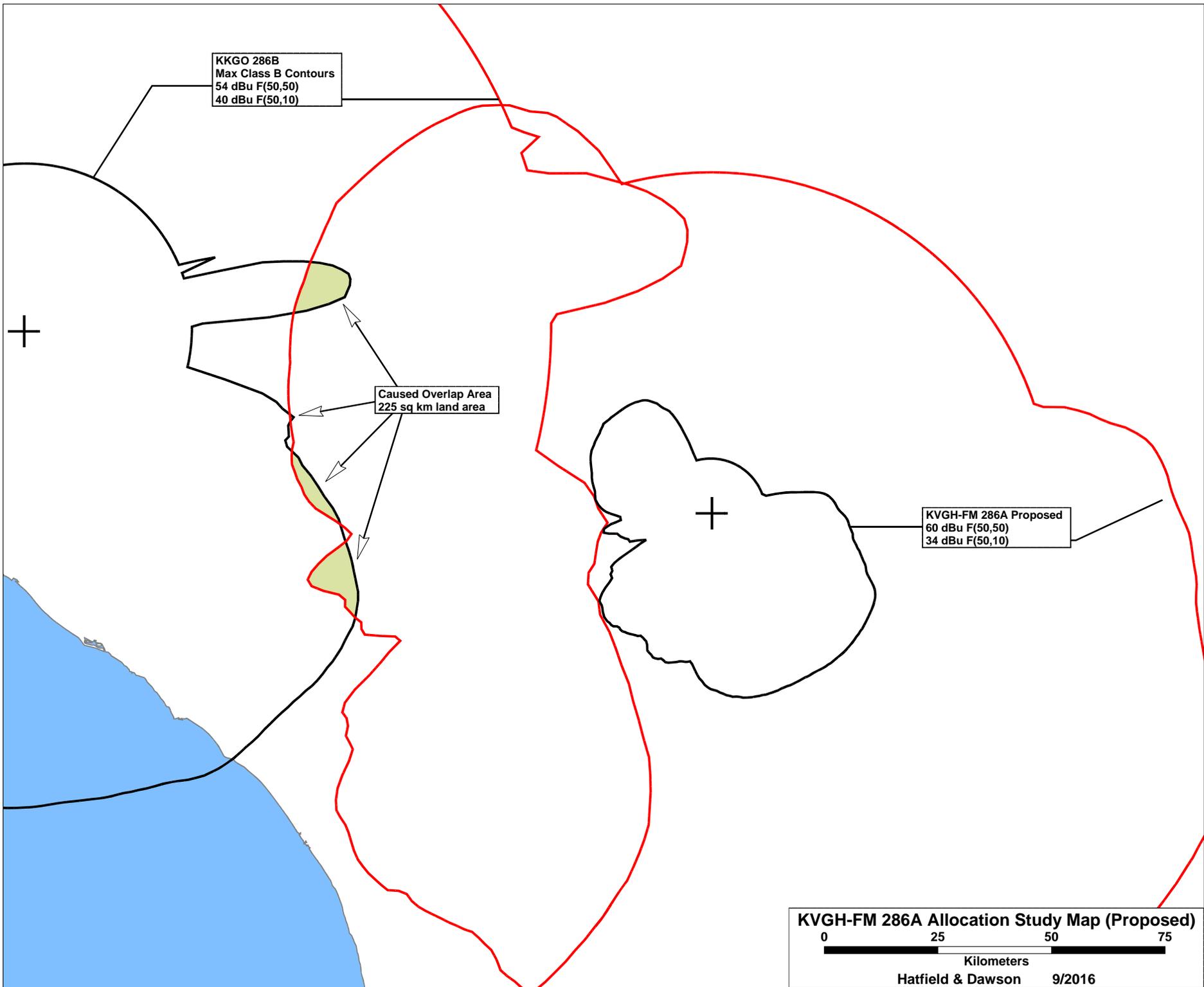
KVGH-FM 286A Licensed  
60 dBu F(50,50)  
34 dBu F(50,10)

**KVGH-FM 286A Allocation Study Map (Status Quo)**

0 25 50 75

Kilometers

Hatfield & Dawson 9/2016



KKG 286B  
Max Class B Contours  
54 dBu F(50,50)  
40 dBu F(50,10)

Caused Overlap Area  
225 sq km land area

KVGH-FM 286A Proposed  
60 dBu F(50,50)  
34 dBu F(50,10)

**KVGH-FM 286A Allocation Study Map (Proposed)**

0 25 50 75

Kilometers

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