

**January 2018
KGGN(FM) Channel 273A
Hemet, California
Allocation Study**

Allocation Study

The attached spacing study shows that the proposed operation meets the domestic co-channel and adjacent channel spacing requirements for Class A stations as prescribed in §73.207 of the Commission's Rules.

Tijuana 273B

According to correspondence which the undersigned engineer has had with the FCC International Bureau, the authorized KGGN facility in BNPED-20100225AAP was notified to Mexico with the following power limitation:

Channel 273AA in Hemet, CA, proposed to be limited to 0.152 kW ERP and 233.7 meters HAAT or the equivalent along the 182.2° azimuth towards channel 273B in Tijuana, Baja California

That limitation (0.152 kW at 233.7 meters HAAT) results in a 34 dBu F(50,10) contour at **72.78 kilometers**. Moreover, those specified facilities exactly match the construction permit facility's power and HAAT in the direction of the Tijuana channel.

By this application it is proposed to raise the KGGN antenna height by 10 meters at the authorized transmitter site, with a commensurate reduction in ERP, but with the same directional envelope pattern. The new ERP will be 4.3 kW rather than 4.7 kW. The corresponding power and HAAT along the 182.2° azimuth towards Tijuana is 0.140 kW at 243.7 meters HAAT, which results in a 34 dBu F(50,10) contour at **72.74 km**. Therefore the proposed facility provides protection to Tijuana that is equivalent to that which has been notified.

It is understood by the applicant that Mexican authorities have not yet responded to the coordination request, and that the resulting construction permit will continue to bear a condition stating that:

Hatfield & Dawson Consulting Engineers

This application is being granted prior to the completion of the international notification process. Therefore, any construction of and operation with the facilities specified herein is at applicant's own risk and subject to modification, suspension or termination without right to hearing, if objected to by the Instituto Federal de Telecomunicaciones ("IFT") in Mexico or if found by the Commission or the IFT to be necessary in order to conform to the 1992 USA-Mexico FM Broadcasting Agreement. This condition will be removed if formal acceptance of the facilities granted herein is received from IFT.

The FBCH consents to the placement of such a condition on the modified KGGN construction permit.

SEARCH PARAMETERS

FM Database Date: 170113

Channel: 273A 102.5 MHz
 Latitude: 33 35 26
 Longitude: 116 56 23
 Safety Zone: 32 km
 Job Title: KGGN 273A HEMET

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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)
K270AI LIC	CATHEDRAL CITY CA	BLFT-71211AAR	270D 101.9	0.095 419.0	33-52-04 116-25-59	56.5	56.13 0.00	0 TRANS
KLVJ LIC	ENCINITAS CA	BMLED-51005ABH	271B 102.1	30.000 192.7	32-50-24 117-14-52	199.0	88.06 19.06	69 CLEAR
KZXY-FM LIC	APPLE VALLEY CA	BLH-920428KB	272A 102.3	6.000 100.0	DA 34-24-40 117-11-09	346.1	93.81 21.81	72 CLEAR
KRHQ LIC	INDIO CA	BLH-981124KE	272A 102.3	2.600 101.0	33-52-14 116-13-39	64.5 SS	72.95 0.95	72 CLOSE
K272FQ LIC	RIVERSIDE CA	BLFT-70717AAS	272D 102.3	0.050 678.0	DA 33-57-42 117-16-47	322.8	51.83 0.00	0 TRANS
	LADRILLERA BN	-	273C1 102.5	0.000 0.0	32-41-02 114-45-29	115.8	227.05 27.05	200 CLEAR
XHUANFM BN	TIJUANA -		273B 102.5	0.400 238.0	DA 32-29-14 116-59-20	182.2	122.45 -55.55	178 SHORT
ACCEPTED ON CHANNEL 273B BY IF IN 2/27/06 LETTER AS A SPECIALLY NEGOTIATED, SHORT-SPACED ALLOTMENT LIMITED TO 4KW ERP AND 238M HAAT OR ITS EQUIVALENT TO PROTECT CHANNELS 271B, ENCINITAS, CA; 273AA, HEMET CA; AND 275B, SAN DIEBO, CA								
K273CO LIC	BIG BEAR CITY CA	BLFT-50508AAL	273D 102.5	0.015 1031.0	DA 34-16-58 116-53-55	2.8	76.87 0.00	0 TRANS
KGGN CP	HEMET CA	BNPED-00225AAP	273A 102.5	4.700 108.0	DA 33-35-26 116-56-23	0.0	0.00 -115.00	115 SHORT
KDUQ LIC	LUDLOW CA	BMLH-10517AAX	273A 102.5	6.000 -50.0	34-43-21 116-10-04	29.2	144.33 29.33	115 CLEAR
KDUQ APP	LUDLOW CA	BSTA-30802ABP	273A 102.5	0.080 -50.0	34-43-21 116-10-04	29.2	144.33 29.33	115 CLEAR
KIIS-FM LIC	LOS ANGELES CA	BLH-5361	274B 102.7	8.000 902.0	DA 34-13-36 118-03-57	304.6	125.80 12.80	113 CLEAR
K274DA LIC	THOUSAND PALMS CA	BLFT-71018AAD	274D 102.7	0.175 418.0	DA 33-52-00 116-26-00	56.6	56.04 0.00	0 TRANS
KLQV LIC	SAN DIEGO CA	BLH-80207API	275B 102.9	30.000 192.7	32-50-24 117-14-52	199.0	88.06 19.06	69 CLEAR
KEZN LIC	PALM DESERT CA	BMLH-30613AAE	276A 103.1	1.900 180.0	33-51-58 116-25-59	56.7	56.03 25.03	31 CLEAR

===== END OF FM SPACING STUDY FOR CHANNEL 273 =====