

GREG BEST CONSULTING, INC.

9223 N. Manning Ave.
Kansas City, MO 64157
816-792-2913

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Federal Communications Commission
Media Bureau, Video Division
445 12th St. S.W.
Washington, D.C. 20554

In evaluating the proposed facility change for K30ES, an evaluation of possible interference according to FCC rules was conducted.

PROPOSED STATION EVALUATION TO POSSIBLE INTERFERENCE CRITERIA

Proposed facility does not interfere with FCC Monitoring Stations

Proposed facility does not interfere with West Virginia quite zone

Proposed facility does not interfere with Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is within the Mexican coordination distance. The closest point on the Mexican border is 224 km. The actual ERP pointed toward the closest Mexican border is 7.68 kW. Since this is less than 9.99 kW, it is possible that this application may not need coordination with the Mexican authorities.

There are spacing and/or contour violations with full service, digital, Class A, and Low Power TV stations.

An evaluation according to OET-69 is presented to support this proposed facility change. In evaluating the proposed facility change for K30ES, an outgoing interference study was executed using the OET-69 Longley Rice Methodology using a signal resolution of 1 km and a spacing increment of 0.1 km with an ERP of 32 kW. The CDBS database of 3/22/2006 was used for this analysis. The following stations were considered in the study:

Call Sign	FCC File Number	City	State	Distance	Bearing
AP500 (16Z)	BPET19961001KK	Flagstaff	AZ	163.2	349.8
AP599 (16+)	BPET19961118KG	Nogales	AZ	202.9	172.8
AP886 (16Z)	BPET19960710KT	Flagstaff	AZ	156.5	327.1
K16BP (16+)	BLTT19891027JP	Cottonwood	AZ	155.1	326.8
K16FB.C (16-)	BMP TTL20041027AEL	Globe	AZ	42.3	127.2
K23BY (23-)	BLTT19941219JJ	Scottsdale	AZ	67.8	278.9
K23FZ (23+)	BLTT20040927ABU	Camp Verde	AZ	122.7	329.3
K30BQ (30N)	BLTT19880722ID	Needles	CA	337.5	300.7
K30DT (30Z)	BLTT19880722ID	Flagstaff	AZ	194.4	349.1
K55BW.C (22-)	BPTT20050427ADR	Madera Peak	AZ	36.0	123.7
KAET-D (29)	BLEDT20020405ABD	Phoenix	AZ	83.8	255.9
KAZT-C.C (27+)	BPTTA20060206ACD	Phoenix	AZ	83.5	255.9
KCOS-L (28-)	BLTTL19990325JD	Phoenix	AZ	41.9	266.1
KNXVTV (15-)	BLCT19840113KH	Phoenix	AZ	83.7	255.9
KPCE-L.C (29-)	BPTTL20040121ACC	Tucson	AZ	141.2	177.1

Call Sign	FCC File Number	City	State	Distance	Bearing
KSAZ-D (31)	BLCDT20040820ABD	Phoenix	AZ	83.6	255.9
KSAZTV (31)	BXLCDT20050408ABU	Phoenix	AZ	83.6	255.9
KTVP-L (22+)	BLTTL20051229ABD	Phoenix	AZ	84.0	255.9
KTVWTV (33Z)	BLCT19971110KF	Phoenix	AZ	83.7	255.9
KUAT-D (30)	BLEDT20040727ABR	Tucson	AZ	130.4	159.9
KWTA-L (31Z)	BLTTL19970813JB	Tucson	AZ	130.4	159.9
KZOL-L (15Z)	BLTT20060215AAT	Safford	AZ	158.2	127.2
KZOL-L.C (15Z)	BMPTTL20020612AAS	Safford	AZ	154.4	119.4
NEW.A-1 (38+)	BNPTTL20000823ABB	Globe-miami	AZ	35.9	124.0
NEW.A-2 (23+)	BNPTTL20000831BBB	Camp Verde	AZ	122.1	329.2
NEW.A-3 (30-)	BNPTTL20000831CLB	Yuma	CA	308.3	253.1
NEW.A-4 (38Z)	BNPTTL20000831ANT	Globe	AZ	43.2	110.9
NEW.A-5 (30+)	BNPTTL20000831CCW	Peach Spring	AZ	354.8	321.5

Of the considered stations, the following stations showed possible interference:

Call Sign	FCC File Number
KNXVTV (15-)	BLCT19840113KH
KSAZ-D (31)	BLCDT20040820ABD
KSAZTV (31)	BXLCDT20050408ABU
KTVWTV (33Z)	BLCT19971110KF
KUAT-D (30)	BLEDT20040727ABR

Each of the above stations was evaluated for incoming interference using the OET-69 Longley Rice methodology. In each case, there was zero percent (when rounded to the nearest percent) interference present. The following table identifies the actual percentage interference from the incoming interference analyses.

Call Sign	FCC File Number	Percentage Interference
KNXVTV (15-)	BLCT19840113KH	0.45 %
KSAZ-D (31)	BLCDT20040820ABD	0.0 %
KSAZTV (31)	BXLCDT20050408ABU	0.0 %
KTVWTV (33Z)	BLCT19971110KF	0.0 %
KUAT-D (30)	BLEDT20040727ABR	0.18 %

Should you have any questions concerning this analysis, please contact me and I will be happy to help.

Sincerely,

Greg Best
President