

**February 2008
KSED(FM) Channel 298C
Sedona, AZ
Allocation Study**

The attached spacing study shows that the proposed operation meets the co-channel and adjacent channel spacing requirements for Class C stations as prescribed in §73.207 of the Commission's Rules. Two apparent, but irrelevant, short-spacings are discussed below.

The spacing study indicates an apparent 3 kilometer short-spacing to an application BNPH-20070403ACO for a new FM station on Channel 297C1 at Tonopah. The Tonopah application requests that the Commission initiate Class CØ reclassification procedures on KSED. The instant application is being filed to raise the KSED antenna to 451 meters HAAT in order to maintain Class C status of this station. Therefore, it is not believed necessary to provide any spacing or contour protection to the Tonopah application.

The spacing study indicates an apparent 9 kilometer short-spacing to an application BPH-20070122ALR for modification of FM station KFTT on Channel 299C3 at Bagdad. This short-spacing was created by the KFTT application, and KFTT is required in its application to provide full contour protection to KSED, assuming KSED operation with maximum Class C facilities of 100 kW at 600 meters HAAT. Since the proposed modification of KSED involves no change of transmitter site, only an increase in antenna height, it is not believed necessary for KSED to request processing pursuant to §73.215 of the Commission's Rules.

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SEARCH PARAMETERS FM Database Date: 080219
 Channel: 298C 107.5 MHz Page 1
 Latitude: 34 58 7
 Longitude: 111 30 24
 Safety Zone: 32 km
 Job Title: KSED 298C SEDONA

Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
KWMX-FM1	FLAGSTAFF		244D	0.100	DA 35-14-27	344.9	31.30	0
LIC	AZ	BLFTB-971126TB	96.7	601.0	111-35-48		0.00	BOOST
KWMX-FM2	SEDONA		244D	0.099	DA 34-51-11	243.1	28.37	0
LIC	AZ	BLFTB-010821AAT	96.7	0.0	111-47-01		0.00	BOOST
KWMX	WILLIAMS		244C2	10.500	35-07-52	287.7	60.02	35
LIC	AZ	BLH-970609KA	96.7	325.0	112-08-03		25.02	CLEAR
NEW-T	COTTONWOOD		296D	0.010	DA 34-41-12	240.8	63.97	0
APP	AZ	BNPFT-030310AKK	107.1	1224.0	112-07-00		0.00	TRANS
NEW-T	DEWEY		296D	0.025	34-32-17	233.1	79.44	0
APP	AZ	BNPFT-030317BTS	107.1	201.0	112-12-00		0.00	TRANS
NEW-T	FLAGSTAFF		296D	0.010	35-14-34	342.7	31.87	0
APP	AZ	BNPFT-030310AMA	107.1	777.0	111-36-40		0.00	TRANS
NEW	AGUILA		297C3	0.000	33-56-34	233.7	190.80	176
APP	AZ	BSFH-061213ANU	107.3	0.0	113-10-24		14.80	CLEAR
VAC	AGUILA		297C3	0.000	33-56-34	233.7	190.80	176
	AZ	RM-10016	107.3	0.0	113-10-24		14.80	CLEAR
KFXR-FM	CHINLE		297C2	3.600	36-21-07	44.0	215.78	188
LIC	AZ	BLH-950908KE	107.3	497.0	109-49-54		27.78	CLEAR
NEW-T	PRESCOTT		297D	0.010	DA 34-29-24	240.7	107.96	0
APP	AZ	BNPFT-030310AMY	107.3	717.0	112-31-59		0.00	TRANS
NEW-T	SURPRISE		297D	0.010	33-34-06	212.1	183.07	0
APP	AZ	BNPFT-030313BDU	107.3	877.0	112-33-32		0.00	TRANS
NEW	TONOPAH		297C1	100.000	DA 33-49-04	232.2	206.50	209
APP	AZ	BNPH-070403ACO	107.3	299.0	113-16-18	SS	-2.50	SHORT
NEW	TONOPAH		297C1	0.000	33-40-50	230.3	222.03	209
RSV	AZ	-	107.3	0.0	113-21-12		13.03	CLEAR
NEW-T	WICKENBURG		297D	0.250	33-55-34	225.9	165.47	0
APP	AZ	BNPFT-030314AJD	107.3	178.0	112-47-40		0.00	TRANS

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NEW-T APP	BUCKEYE AZ	BNPFT-030317JFQ	298D 107.5	0.075 180.0	33-27-01 112-35-58	211.1	196.23 0.00	0 TRANS
NEW-T APP	CONGRESS JUNCTION AZ	BNPFT-030317GOF	298D 107.5	0.100 2232.0	34-11-31 112-45-16	233.3	143.28 0.00	0 TRANS
NEW-T APP	MESA AZ	BNPFT-030313ARJ	298D 107.5	0.028 403.0	33-29-34 111-38-26	184.3	164.17 0.00	0 TRANS
NEW-T APP	NOTHING AZ	BNPFT-030317HNC	298D 107.5	0.250 1308.0	34-28-47 113-20-09	252.5	176.10 0.00	0 TRANS
NEW-T APP	PEACH SPRINGS AZ	BNPFT-030317JJO	298D 107.5	0.250 1350.0	35-09-50 113-36-33	277.1	193.00 0.00	0 TRANS
NEW-T APP	PEACH SPRINGS AZ	BNPFT-030317HIC	298D 107.5	0.250 2205.0	35-24-07 113-23-49	286.2	178.76 0.00	0 TRANS
KSED LIC	SEDONA AZ	BLH-940826KB	298C 107.5	100.000 446.0	34-58-07 111-30-24	0.0	0.00 -290.00	290 SHORT
NEW-T APP	SOUTH MOUNTAIN AZ	BNPFT-030314ABT	298D 107.5	0.010 497.0	33-19-57 112-03-54	195.9	188.64 0.00	0 TRANS
KHYT LIC	TUCSON AZ	BLH-9601116K	298C 107.5	92.000 620.0	32-14-56 111-06-59	173.1	303.82 13.82	290 CLEAR
NEW-T APP	WICKENBURG AZ	BNPFT-030313ATK	298D 107.5	0.250 178.0	33-55-34 112-47-40	225.9	165.47 0.00	0 TRANS
ADD	BAGDAD AZ	RM-bg-144*	299A 107.7	0.000 0.0	34-33-25 113-16-00	254.6	167.48 2.48	165 CLOSE
KFTT RSV	BAGDAD AZ	-	299C3 107.7	0.000 0.0	34-35-37 113-22-30	256.8	176.00 0.00	176 CLOSE
KFTT APP	BAGDAD AZ	BPH-070122ALR	299C3 107.7	1.000 381.0	34-33-25 113-16-00	254.6 SS	167.48 -8.52	176 SHORT
ABSOLUTE MINIMUM 73.215 SPACING = 165 KM								
NEW-T APP	CHINO VALLEY AZ	BNPFT-030317BTW	300D 107.9	0.250 84.0	34-46-23 112-27-59	256.3	90.39 0.00	0 TRANS

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NEW-T APP	COTTONWOOD AZ	BNPFT-030310AKM	300D 107.9	0.010 1224.0	DA 34-41-12 112-07-00	240.8	63.97 0.00	0 TRANS
NEW-T APP	FLAGSTAFF AZ	BNPFT-030317CBC	300D 107.9	0.010 771.0	35-14-33 111-36-37	342.8	31.82 0.00	0 TRANS
NEW-T APP	MILLER VALLEY AZ	BNPFT-030312AAG	300D 107.9	0.100 73.0	DA 34-32-30 112-29-00	242.3	101.19 0.00	0 TRANS
NEW-T APP	PRESCOTT AZ	BNPFT-030317FWS	300D 107.9	0.050 136.0	34-32-09 112-29-22	242.1	101.99 0.00	0 TRANS
NEW-T APP	PRESCOTT AZ	BNPFT-030317GOK	300D 107.9	0.250 1850.0	34-32-08 112-29-22	242.1	102.01 0.00	0 TRANS

44444 END OF FM SPACING STUDY FOR CHANNEL 298 **44444**