

**New FM Translator  
Kennewick West, Washington Channel 285D  
Allocation Study  
August 2003**

The attached spacing study shows the spacing between the proposed fill-in translator site and the location of cochannel and adjacent channel stations and proposals. This study was made with the Commission's Class A spacing requirements, and individual situations were examined to determine the lack of prohibited contour overlap per the requirements of §74.1204 of the Rules. The attached allocation study maps demonstrate compliance with the Commission's Rules for protection of FM broadcast stations and FM translators as outlined in §74.1204.

The proposed transmitter site is located within the 60 dBu contour of third-adjacent FM station KONA-FM 287C Kennewick and second-adjacent FM translator K282AA Kennewick. As depicted on the attached site map, the 100 dBu interfering contour from the proposed facility (Free Space distance = 230 meters) does not overlap any populated areas. Therefore, this proposal is believed to satisfy §74.1204(d) with respect to KONA-FM and K282AA.

Since the proposed translator will operate with less than 100 Watts ERP, there are no applicable spacing restrictions to stations which are 53 or 54 channels removed from the proposed operation.

The proposed 34 dBu F(50,10) contour does not extend into Canadian territory. Therefore, it is not believed necessary to refer the instant application to Canadian authorities for concurrence.

The instant application qualifies as a minor change from the originally-proposed Kennewick West facility, in that there is overlap of the "old" and "new" 60 dBu contours.

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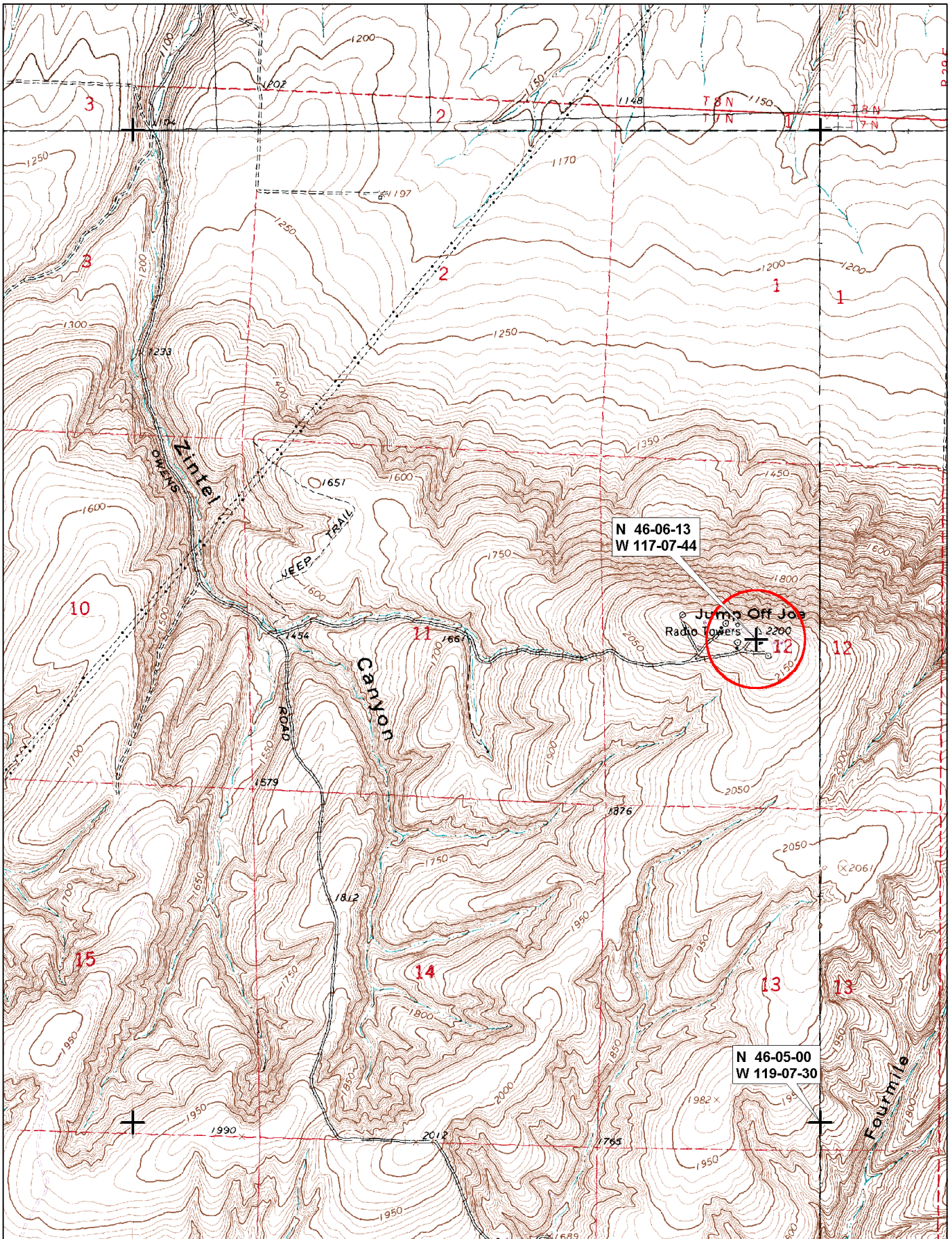
SEARCH PARAMETERS FM Database Date: 030820

Channel: 285A 104.9 MHz  
 Latitude: 46 6 13  
 Longitude: 119 7 44  
 Safety Zone: 32 km  
 Job Title: KENNEWICK WEST 285 TRANS

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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)
NEW-T APP	BENTON CITY WA	BNPFT-030317MHI	231D 94.1	0.040 261.0	46-19-20 119-34-28	305.5	42.10 0.00	0 TRANS
NEW-T APP	KENNEWICK WA	BNPFT-030317ELA	231D 94.1	0.030 195.0	46-08-48 119-05-59	25.1	5.29 0.00	0 TRANS
NEW-T APP	KENNEWICK SOUTH WA	BNPFT-030313AGF	231D 94.1	0.050 DA 258.0	46-09-43 119-09-12	343.8	6.75 0.00	0 TRANS
K282AA LIC	KENNEWICK, ETC. (OR) WA	BRFT-840723ND	282D 104.3	0.270 525.0	46-06-15 119-07-46	325.3	0.08 0.00	0 TRANS
NEW-T APP	WALLA WALLA WA	BNPFT-030317IUQ	283D 104.5	0.250 127.0	46-04-01 118-24-09	93.9	56.33 0.00	0 TRANS
KCMB LIC	BAKER OR	BLH-880719KB	284C 104.7	100.000 532.0	45-07-26 117-46-48	135.6	151.42 -13.58	165 SHORT
NEW-T APP	KENNEWICK WEST WA	BNPFT-030313AGH	285D 104.9	0.080 DA 394.0	46-14-04 119-19-13	314.7	20.74 0.00	0 TRANS
NEW-T APP	MABTON WA	BNPFT-030317IUF	285D 104.9	0.060 406.0	46-07-36 120-00-12	272.5	67.65 0.00	0 TRANS
KEEH LIC	SPOKANE WA	BLD-021121AAW	285C1 104.9	10.500 472.0	47-34-45 117-17-51	39.7 SS	215.46 15.46	200 CLEAR
NEW-T APP	SUNNYSIDE WA	BNPFT-030317HAA	285D 104.9	0.250 68.0	46-14-30 119-54-47	284.5	62.47 0.00	0 TRANS
ADD	UNION GAP WA	RM-VM7	285A 104.9	0.000 0.0	46-31-48 120-27-18	295.4	112.60 -2.40	115 SHORT
KONA-FM LIC	KENNEWICK WA	BLH-940525KA	287C 105.3	100.000 347.0	46-05-51 119-11-30	262.0	4.90 -90.10	95 SHORT
KONAaux LIC	KENNEWICK WA	BLH-940812KZ	287C 105.3	10.000 301.0	46-05-51 119-11-30	262.0	4.90 0.00	0 AUX

44444 END OF FM SPACING STUDY FOR CHANNEL 285 44444



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Zoom Level: 13-1 Datum: NAD27

Scale 1 : 24,000  
1" = 610 m

