

Selection: n

Defaults:

1. Missing directional antenna patterns or reference azimuths will be handled by treating the operation as non-directional.
2. Radiation Centers Above Mean Sea Level (RCAMSL) which appear to be underground will be used in any event.

Do you want to change these defaults (yes or no)? no

Do you wish to ignore applications submitted after a certain date (Yes or No)? no

Position paper; set print to 132 column wide; hit carriage return to begin.

10 NEW camp Verde AZ  
LPONE Page 1  
Channel 19 Plus Offset N Lat 34 27 51 W Long 111 52 17  
ERP: 1.370 kW; RCAMSL: 6551.0 ft  
It is 23:19:02 on 30-AUG-90  
Directional Antenna Make: SCA; Model: 4DR-8S ; Ref Az: 0.0  
TV Volume 0; TX Volume 0; DA Volume 0  
Tendered 000000 Last Updated manual Cutoff Date: Tier 0 TV  
/TX Last Updated 991230; DA Last Updated

Studies for 10 will cover from Channel 14 to Channel 34

The following operations are considered in detail:

BLTTL950915IC K18DD CAMP VERDE AZ CENTRAL STATES COMMUNICATIONS  
Channel 18 Plus Offset LIC N Lat 34 41 14 W Long 112 07 00  
ERP: 3.760 kW; RCAMSL: 7733.0 ft; Maximum HAAT: 3987.0 ft  
Last Updated 960117  
Distance from 10 is 33.4 kilometers

Interference Caused  
Overall Conclusion

From Desired Operation ( BLTTL950915IC  
If K18DD BLTTL950915IC was granted with  
K18DD Ch 18) to Protected Contour:  
a condition requiring acceptance of  
Azimuth 127.8  
interference from 10 , it is ok.  
Distance (km) 32.9  
But without such a condition, 10  
ERP (kW) 3.760  
is unacceptable for filing and should be

HAAT (ft) 3206.7  
returned. Look for condition on license or  
Sig Level (dBU) 74.0  
CP for K18DD BLTTL950915IC

From undesired operation ( 10  
Summary: Return, or no problem,  
NEW Ch 19) to Protected Contour:  
depending on whether there  
Azimuth 37.2  
is a condition.  
Distance (km) 5.8  
ERP (Watts) 705.58  
HAAT (ft) 3124.1  
Sig Level (dBU) 89.2

QRM Ratios (Desired-to-Undesired):  
Required (dB) -15.0  
Actual (dB) -15.2

Result: Interference!!

BLTTL950508IA K19DD PHOENIX AZ HARLAN L. JACOBSEN

Channel 19 Minus Offset LIC N Lat 33 29 36 W Long 111 38 26  
ERP: 10.100 kW; RCAMSL: 2536.0 ft; Maximum HAAT: 1180.0 ft  
Last Updated 980501  
Distance from 10 is 109.8 kilometers

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10 NEW camp Verde AZ  
LPONE Page 2  
Channel 19 Plus Offset N Lat 34 27 51 W Long 111 52 17  
ERP: 1.370 kW; RCAMSL: 6551.0 ft; GAMSL: 5624.0 ft; max HAAT: 3240.1 ft  
It is 23:19:31 on 30-AUG-90  
Directional Antenna Make: SCA; Model: 4DR-8S ; Ref Az: 0.0  
TV Volume 0; TX Volume 0; DA Volume 0  
Tendered 000000 Last Updated manual Cutoff Date: Tier 0 TV  
/TX Last Updated 991230; DA Last Updated

Interference Caused  
Overall Conclusion

From Desired Operation ( BLTTTL950508IA  
10 does not cause interference  
K19DD Ch 19) to Protected Contour:  
to BLTTTL950508IA. No problem.  
Azimuth 328.9  
Distance (km) 24.7  
Summary: No problem.  
ERP (kW) 10.100  
HAAT (ft) 906.4  
Sig Level (dBu) 74.0

From undesired operation ( 10  
NEW Ch 19) to Protected Contour:  
Azimuth 174.3  
Distance (km) 87.0  
ERP (Watts) 15.73  
HAAT (ft) 1242.4  
Sig Level (dBu) 19.0

QRM Ratios (Desired-to-Undesired):  
Required (dB) 28.0  
Actual (dB) 55.0

Result: No Problem

BPTTL980831JD K19DD PHOENIX AZ HARLAN L. JACOBSEN

Channel 19 Zero Offset CP N Lat 33 19 58 W Long 112 03 53  
ERP: 21.700 kW; RCAMSL: 2736.0 ft; Maximum HAAT: 1669.0 ft  
Directional Antenna Make: ANT; Model: ACS16A ; Ref Az: 60  
Last Updated 990317  
Distance from 10 is 126.8 kilometers

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10 NEW camp Verde AZ  
LPONE Page 3  
Channel 19 Plus Offset N Lat 34 27 51 W Long 111 52 17  
ERP: 1.370 kW; RCAMSL: 6551.0 ft; GAMSL: 5624.0 ft; max HAAT: 3240.1 ft  
It is 23:19:34 on 30-AUG-90  
Directional Antenna Make: SCA; Model: 4DR-8S ; Ref Az: 0.0  
TV Volume 0; TX Volume 0; DA Volume 0  
Tendered 000000 Last Updated manual Cutoff Date: Tier 0 TV  
/TX Last Updated 991230; DA Last Updated

Interference Caused  
Overall Conclusion

From Desired Operation ( BPTTL980831JD  
10 does not cause interference  
K19DD Ch 19) to Protected Contour:  
to BPTTL980831JD. No problem.  
Azimuth 28.0  
Distance (km) 35.0  
Summary: No problem.  
ERP (kW) 18.768  
HAAT (ft) 1579.0  
Sig Level (dBu) 74.0

From undesired operation ( 10  
NEW Ch 19) to Protected Contour:  
Azimuth 180.9  
Distance (km) 94.7  
ERP (Watts) 14.00  
HAAT (ft) 1396.5  
Sig Level (dBu) 17.6

QRM Ratios (Desired-to-Undesired):  
Required (dB) 28.0  
Actual (dB) 56.4

Result: No Problem

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10 NEW camp Verde AZ  
LPONE Page 4  
Channel 19 Plus Offset N Lat 34 27 51 W Long 111 52 17  
ERP: 1.370 kW; RCAMSL: 6551.0 ft; GAMSL: 5624.0 ft; max HAAT: 3240.1 ft  
It is 23:19:44 on 30-AUG-90  
Directional Antenna Make: SCA; Model: 4DR-8S ; Ref Az: 0.0

TV Volume 0; TX Volume 0; DA Volume 0  
 Tendered 000000 Last Updated manual Cutoff Date: Tier 0 TV  
 /TX Last Updated 991230; DA Last Updated

Y	Y		SSSS	U	U	M	M	M	M	AA	RRRRR
			S	U	U	MM	MM	MM	MM	A A	R R
Y	Y		SSSS	U	U	M	MM	M	M	MM	M A A RRRRR
				S	U	U	M	M	M	M	AAAAAA R R
Y				S	U	U	M	M	M	M	A A R R
Y			SSSSS		UUUU	M	M	M	M	A A	R R
Y											

Summary of Results of Study of 10

\*\*\* The proposed antenna site is located 299.5 kilometers from the border with Mexico

(The closest point is N Lat 31 55 40; W Long 112 58 23; it is at a bearing of 200.4 degrees from the antenna site)

\*\*\* Coordination with Mexico may be required before grant

\*\*\* Error in trying to open AM Data Base is 42; study of AM operations within 2 miles aborted \*\*\*

\*\*\* Error in trying to open FM Data Base is 42; study of FM operations within 2 miles aborted \*\*\*

This study has not discovered any problems that warrant return of 10

10 may cause unacceptable interference to the following licenses and permits. If the following were each granted with a condition requiring acceptance of interference from 10, there is no problem. However, if they were granted without such a condition, then 10 is unacceptable and should be returned.

1. K18DD BLTTL950915IC CAMP VERDE AZ Ch 18 LIC

\*\*\* 10 is not in the data base \*\*\*

\*\*\* Please notify the Data Base Management Staff \*\*\*

493 records were considered in the range from Channel 14 to 34

Time: Start: 23:16:05 End: 23:19:45  
 CPU: 0.55 minutes. Elapsed: 3.66 minutes

FORTRAN STOP