

020201XX K06MB Indio CA
LPONE Page 1
Channel 6 Zero Offset N Lat 33 48 07 W Long 116 13 27
ERP: 3.000 kW; RCAMSL: 1538.0 ft
It is 08:09:44 on 3-FEB-91
Directional Antenna Make: SCA; Model: ODD000802AD ; Ref Az: 220.0
TV Volume 0; TX Volume 0; DA Volume 0
Tendered 020201 Last Updated manual Cutoff Date: Tier 0 TV

Studies for 020201XX will cover from Channel 5 to Channel 6

The following operations are considered in detail:

BLTVL990811JB K05JY INDIO CA ENTEAVISION HOLDINGS, INC.

Channel 5 Plus Offset LIC N Lat 33 48 07 W Long 116 13 27
ERP: 0.349 kW; RCAMSL: 1795.0 ft; Maximum HAAT: 1770.0 ft
Directional Antenna Make: SCA; Model: CL-26 ; Ref Az: 150
Last Updated 990929
Distance from 020201XX is 0.0 kilometers

Interference Caused
Overall Conclusion

From Desired Operation (BLTVL990811JB
If K05JY BLTVL990811JB was granted with
K05JY Ch 5) to Protected Contour:
a condition requiring acceptance of
Azimuth 180.0
interference from 020201XX, it is ok.
Distance (km) 23.9
But without such a condition, 020201XX
ERP (Watts) 147.45
is unacceptable for filing and should be
HAAT (ft) 1769.2
returned. Look for condition on license or
Sig Level (dBu) 62.0
CP for K05JY BLTVL990811JB

Antenna site of undesired operation

Summary: Return, or no problem, depending on whether there is a condition.

(020201XX K06MB Ch 6) is 0.0 kilometers from antenna site of desired operation; therefore, antenna site of undesired operation is within protected contour.

BLTTV1142 K06FB QUARTZSITE AZ QUARTZSITE IMPROVEMENT ASSOCIATE INC
Channel 6 No Offset LIC N Lat 33 40 00 W Long 114 03 20
ERP: 0.007 kW; RCAMSL: 2516.0 ft; Maximum HAAT: 1441.0 ft
Directional Antenna Make: EIT; Model: CL4A ; Ref Az: 273
Last Updated 990304
Distance from 020201XX is 201.5 kilometers

Interference Caused
Overall Conclusion

From Desired Operation (BLTTV1142
020201XX does not cause interference

K06FB Ch 6) to Protected Contour:

to BLTTV1142 . No problem.

Azimuth 274.9

Distance (km) 9.5

Summary: No problem.

ERP (Watts) 7.00

HAAT (ft) 1431.4

Sig Level (dBu) 62.0

From undesired operation (020201XX

K06MB Ch 6) to Protected Contour:

Azimuth 93.7

Distance (km) 192.0

ERP (kW) 2.073

HAAT (ft) -341.4

Sig Level (dBu) 11.9

QRM Ratios (Desired-to-Undesired):

Required (dB) 45.0

Actual (dB) 50.1

Result: No Problem

BLTVL960626IC K06MU BIG BEAR LAKE CA K.I.D.S. - TV6

Channel 6 Plus Offset LIC N Lat 34 14 40 W Long 116 53 16

ERP: 0.053 kW; RCAMSL: 6847.0 ft; Maximum HAAT: 1004.0 ft
Directional Antenna Make: SCA; Model: ODD940412BY ; Ref Az: 0
Last Updated 960826
Distance from 020201XX is 78.5 kilometers

Interference Caused
Overall Conclusion

From Desired Operation (BLTVL960626IC
020201XX does not cause interference

K06MU Ch 6) to Protected Contour:
to BLTVL960626IC. No problem.
Azimuth 108.6
Distance (km) 2.8
Summary: No problem.
ERP (Watts) 8.47
HAAT (ft) -1184.4
Sig Level (dBu) 62.0

From undesired operation (020201XX

K06MB Ch 6) to Protected Contour:
Azimuth 309.7
Distance (km) 75.9
ERP (Watts) 9.38
HAAT (ft) 610.6
Sig Level (dBu) 19.0

QRM Ratios (Desired-to-Undesired):

Required (dB) 28.0
Actual (dB) 43.0

Result: No Problem

BLTTV5094 K06IQ NEWBERRY SPRINGS CA COUNTY OF SAN BERNARDINO, AREA 40
Channel 6 No Offset LIC N Lat 34 50 03 W Long 116 40 48
ERP: 0.009 kW; RCAMSL: 3110.0 ft; Maximum HAAT: 1307.0 ft
Directional Antenna Make: SCA; Model: CL-26 ; Ref Az: 120
Last Updated 880406
Distance from 020201XX is 121.9 kilometers

Interference Caused
Overall Conclusion

From Desired Operation (BLTTV5094
020201XX does not cause interference
K06IQ Ch 6) to Protected Contour:
to BLTTV5094 . No problem.
Azimuth 109.8
Distance (km) 9.4
Summary: No problem.
ERP (Watts) 7.92
HAAT (ft) 1264.0
Sig Level (dBu) 62.0

From undesired operation (020201XX
K06MB Ch 6) to Protected Contour:
Azimuth 343.6
Distance (km) 116.1
ERP (Watts) 16.50
HAAT (ft) -596.7
Sig Level (dBu) 5.0

QRM Ratios (Desired-to-Undesired):
Required (dB) 45.0
Actual (dB) 57.0

Result: No Problem

BLCT880315KH KMOHTV KINGMAN AZ GRAND CANYON TELEVISION CO., INC.
Channel 6 Minus Offset LIC N Lat 35 01 57 W Long 114 21 56
ERP: 100.000 kW; RCAMSL: 4495.0 ft; HAAT: 585.0 ft; Maximum HAAT: 2822.0 ft
Last Updated 970610
Distance from 020201XX is 218.7 kilometers

Interference Caused
Overall Conclusion

From Desired Operation (BLCT880315KH
020201XX causes interference to full
KMOHTV Ch 6) to Protected Contour:
service TV station KMOHTV BLCT880315KH.
Azimuth 231.8

Therefore, 020201XX is unacceptable
Distance (km) 139.3
for filing and should be returned.
ERP (kW) 100.000
HAAT (ft) 2814.3
Summary: Return 020201XX
Sig Level (dBu) 47.0

From undesired operation (020201XX
K06MB Ch 6) to Protected Contour:
Azimuth 50.7
Distance (km) 79.4
ERP (kW) 1.068
HAAT (ft) -1880.2
Sig Level (dBu) 30.5

QRM Ratios (Desired-to-Undesired):
Required (dB) 28.0
Actual (dB) 16.5

Result: Interference!!

BPCT990708KF KMOHTV KINGMAN AZ GRAND CANYON TELEVISION CO., INC.
Channel 6 Minus Offset CP N Lat 35 01 57 W Long 114 21 56
ERP: 100.000 kW; RCAMSL: 4518.0 ft; HAAT: 592.0 ft; Maximum HAAT: 2845.0 ft
Directional Antenna Make: ANT; Model: ODD990708KF ; Ref Az: 0
Last Updated 990823
Distance from 020201XX is 218.7 kilometers

Interference Caused
Overall Conclusion

From Desired Operation (BPCT990708KF
020201XX causes interference to full
KMOHTV Ch 6) to Protected Contour:
service TV station KMOHTV BPCT990708KF.
Azimuth 221.8
Therefore, 020201XX is unacceptable
Distance (km) 137.2
for filing and should be returned.

ERP (kW) 89.239
HAAT (ft) 2748.8
Summary: Return 020201XX
Sig Level (dBu) 47.0

From undesired operation (020201XX
K06MB Ch 6) to Protected Contour:
Azimuth 66.6
Distance (km) 87.0
ERP (kW) 1.409
HAAT (ft) -1160.4
Sig Level (dBu) 30.2

QRM Ratios (Desired-to-Undesired):
Required (dB) 28.0
Actual (dB) 16.8

Result: Interference!!

BLTTV790522IA K06JL BAKER CA BAKER COMMUNITY SERVICES DISTRICT
Channel 6 No Offset LIC N Lat 35 26 08 W Long 115 55 21
ERP: 0.057 kW; RCAMSL: 4514.0 ft; Maximum HAAT: 2320.0 ft
Directional Antenna Make: SCA; Model: CL-26 ; Ref Az: 190
Last Updated 811103
Distance from 020201XX is 183.3 kilometers

Interference Caused
Overall Conclusion

From Desired Operation (BLTTV790522IA
020201XX does not cause interference
K06JL Ch 6) to Protected Contour:
to BLTTV790522IA. No problem.
Azimuth 178.7
Distance (km) 18.8
Summary: No problem.
ERP (Watts) 48.88
HAAT (ft) 1893.6
Sig Level (dBu) 62.0

From undesired operation (020201XX

K06MB Ch 6) to Protected Contour:

Azimuth	9.7
Distance (km)	164.9
ERP (Watts)	150.81
HAAT (ft)	-1376.1
Sig Level (dBu)	5.5

QRM Ratios (Desired-to-Undesired):

Required (dB)	45.0
Actual (dB)	56.5

Result: No Problem

Summary of Results of Study of 020201XX

*** The proposed antenna site is located 131.8 kilometers from the border with Mexico
(The closest point is N Lat 32 37 05; W Long 116 05 52; it is at a bearing of 174.8 degrees from the antenna site)
*** Coordination with Mexico may be required before grant

020201XX should be returned because:

1. It causes objectionable interference to full service TV operation:
BLCT880315KH KMOHTV KINGMAN AZ Ch 6 LIC Minus Offset N Lat 35 01 57 W Long 114 21 56
(GRAND CANYON TELEVISION CO., INC. ERP: 100.000 kW; RCAMSL: 4495.0 ft
2. It causes objectionable interference to full service TV operation:
BPCT990708KF KMOHTV KINGMAN AZ Ch 6 CP Minus Offset N Lat 35 01 57 W Long 114 21 56
(GRAND CANYON TELEVISION CO., INC. ERP: 100.000 kW; RCAMSL: 4518.0 ft; Make: ANT Model: ODD990708KF Ref Az 0.0

020201XX may cause unacceptable interference to the following licenses and permits. If the following were each granted with a condition requiring acceptance of interference from 020201XX, there is no problem. However, if they were granted without such a condition, then 020201XX is unacceptable and should be returned.

1. K05JY BLTVL990811JB INDIO CA Ch 5 LIC

154 records were considered in the range from Channel 5 to 6