

OET-69 Interference Analysis, New (K28HM digital companion channel), Thoreau, NM, Ch. 29

Percent allowed new interference: 0.500
Percent allowed new interference to non Class A LPTV: 2.000
TW Census data selected 2000
Data Base Selected
/export/home/cdbs/pt_tvdb.sff
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-06-2012 Time: 10:12:33

Record Selected for Analysis

K28HM USERRECORD-01 THOREAU NM US
Channel 29 ERP 0.33 kW HAAT 401. m RCAMSL 02681 m STRINGENT MASK
Latitude 035-27-59 Longitude 0108-14-25
Status APP Zone 2 Border Site number: 01
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station
Service Class = LD
Maximum height/power limits not checked

| Site number 1 | | | |
|---------------|-------|-------|-------------------|
| Azimuth | ERP | HAAT | 51.0 dBu F(50,90) |
| (Deg) | (kW) | (m) | (km) |
| 0.0 | 0.330 | 350.1 | 36.5 |
| 45.0 | 0.330 | 385.7 | 37.7 |
| 90.0 | 0.330 | 355.4 | 36.7 |
| 135.0 | 0.330 | 504.0 | 41.3 |
| 180.0 | 0.330 | 426.5 | 38.9 |
| 225.0 | 0.330 | 400.0 | 38.2 |
| 270.0 | 0.330 | 466.0 | 40.0 |
| 315.0 | 0.330 | 319.3 | 35.4 |

Contour Overlap to Proposed Station

Station
K28HM 28 THOREAU NM BLTT20021122ABJ

Station inside contour of Digital LPTV station
K28HM 29 THOREAU NM USERRECORD01

Contour Overlap Evaluation to Proposed Station Complete

Checks to Site Number 01

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

OET-69 Interference Analysis, New (K28HM digital companion channel), Thoreau, NM, Ch. 29

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

| Channel | Call | City/State | ARN |
|---------|-------|------------|--------------|
| 29 | K28HM | THOREAU NM | USERRECORD01 |

Stations Potentially Affected by Proposed Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|-------------------------|----------|--------|-------------|--------------|
| 14 | KIAZ-LP | GALLUP NM | 36.6 | LIC | BLTTL | -20050318ABB |
| 15 | K15FS | QUEMADO NM | 130.0 | LIC | BLTT | -20040415ADX |
| 21 | K21AX | FARMINGTON NM | 136.9 | LIC | BLTT | -19910307JJ |
| 21 | K21HJ | GALLUP & TOHATCHI NM | 43.2 | LIC | BLTT | -20050531BQJ |
| 25 | KQDF-LP | ALBUQUERQUE NM | 139.8 | LIC | BLTTL | -20020924AAC |
| 28 | K28GT-D | CROWNPOINT NM | 25.3 | LIC | BLDTT | -20120127AGO |
| 28 | K28ER | DULCE & LUMBERTON NM | 203.5 | LIC | BLTT | -19970421JC |
| 28 | K28HM | THOREAU NM | 0.0 | LIC | BLTT | -20021122ABJ |
| 29 | K29IQ-D | COTTONWOOD AZ | 362.8 | CP | BDCCDTT | -20080917ACQ |
| 29 | KDOS-LD | GLOBE AZ | 339.0 | LIC | BLDTL | -20120306ABF |
| 29 | K29DK | WILLIAMS AZ | 360.6 | LIC | BLTT | -20060111ACD |
| 29 | K29GO-D | CORTEZ, ETC CO | 211.2 | LIC | BLDTT | -20090522ABU |
| 29 | K29CZ | DURANGO CO | 201.9 | LIC | BLTT | -19961107JB |
| 29 | K29IT-D | GATEVIEW CO | 326.8 | LIC | BLDTT | -20120106ABN |
| 29 | NEW | GATEWAY CO | 382.6 | APP | BNPDTL | -20100510AGB |
| 29 | K29IU-D | PARLIN CO | 365.3 | LIC | BLDTT | -20100713APD |
| 29 | KAPT-LP | ALAMOGORDO NM | 364.3 | LIC | BLTTL | -19911205JF |
| 29 | K29HR-D | FARMINGTON NM | 133.9 | LIC | BLDTT | -20080528ABA |
| 29 | K29DP | LORDSBURG NM | 351.7 | APP | BDFCDTT | -20060331ABI |
| 29 | K29DP | LORDSBURG NM | 351.7 | LIC | BLTT | -20120515AFQ |
| 29 | NEW | MAGDALENA NM | 288.7 | APP | BNPDTL | -20100513AEO |
| 29 | KWBQ | SANTA FE NM | 164.8 | LIC | BLCDT | -20030429ABG |
| 29 | KWBQ | SANTA FE NM | 164.7 | CP MOD | BMPCDT | -20010323AAU |
| 29 | K51BQ | TRUTH OR CONSEQUENCE NM | 272.3 | APP | BSTA | -20120510AAT |
| 29 | K51BQ | TRUTH OR CONSEQUENCE NM | 272.3 | APP | BDISDTT | -20110831ACH |
| 29 | K29IX-D | CAINEVILLE UT | 398.8 | LIC | BLDTT | -20100223AEN |
| 29 | K29HN-D | ESCALANTE UT | 394.9 | LIC | BLDTT | -20110503ABJ |
| 30 | K30GL | MANY FARMS AZ | 134.3 | LIC | BLTT | -20031205ABO |
| 30 | KYNM-LP | ALBUQUERQUE NM | 164.8 | LIC | BLTTA | -20050203ADT |
| 30 | K30KV-D | CROWNPOINT NM | 25.3 | LIC | BLDTT | -20110927AGJ |
| 30 | K30EK-D | DULCE & LUMBERTON NM | 203.5 | LIC | BLDTT | -20111117ATH |
| 30 | K30KB | FARMINGTON NM | 136.9 | LIC | BLTT | -20090709AFD |
| 31 | K31FX | PIE TOWN & QUEMADO NM | 134.9 | LIC | BLTT | -20090414ACC |
| 32 | K32FK | SHIPROCK, CHINLE AZ | 134.3 | LIC | BLTT | -20011113ACI |

Analysis of Interference to Affected Station 1

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|------------|-------------|--------------|
| 14 | KIAZ-LP | GALLUP NM | BLTTL | -20050318ABB |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|------|------------|----------|--------|-------------|----------|
|------|------|------------|----------|--------|-------------|----------|

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| | | | | | | |
|----|-------|----------------|-------|-----|---------------|--------------|
| 14 | K38IM | ALBUQUERQUE NM | 201.3 | CP | BDISDTL | -20091013AGI |
| 29 | K28HM | THOREAU NM | 36.6 | APP | USERRECORD-01 | |

Proposal causes no interference

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Analysis of Interference to Affected Station 2

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|-------|------------|-------------|--------------|
| 15 | K15FS | QUEMADO NM | BLTT | -20040415ADX |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|---------------------|----------|--------|---------------|--------------|
| 15 | KNXV-TV | PHOENIX AZ | 340.2 | LIC | BLCDDT | -20090619ABX |
| 15 | KNXV-TV | PHOENIX AZ | 340.2 | CP | BPCDDT | -20080225ABK |
| 15 | KZOL-LP | SAFFORD AZ | 220.7 | LIC | BLTT | -20060215AAT |
| 15 | KREZ-TV | DURANGO CO | 331.7 | LIC | BLCDDT | -20030324ADD |
| 15 | K15HC-D | QUEMADO/PIE TOWN NM | 61.3 | LIC | BLDDTT | -20090910ABO |
| 15 | KFOX-TV | EL PASO TX | 340.5 | LIC | BLCDDT | -20051103AAE |
| 29 | K28HM | THOREAU NM | 130.0 | APP | USERRECORD-01 | |

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 3

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|-------|---------------|-------------|-------------|
| 21 | K21AX | FARMINGTON NM | BLTT | -19910307JJ |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|----------------------|----------|--------|---------------|--------------|
| 20 | KRMU | DURANGO CO | 67.6 | CP MOD | BMPEDT | -20050414ACG |
| 20 | KRMU | DURANGO CO | 67.6 | LIC | BLEDT | -20041012AIM |
| 21 | K21LC-D | CORTEZ CO | 72.8 | CP | BNPDTL | -20100427ABN |
| 21 | K21JK-D | MONTROSE CO | 179.9 | LIC | BLDTL | -20081107AEK |
| 21 | K21HJ | GALLUP & TOHATCHI NM | 129.6 | LIC | BLTT | -20050531BQJ |
| 22 | K22CU-D | CORTEZ, ETC CO | 74.3 | LIC | BLDDTT | -20090522ACH |
| 22 | NEW | AZTEC NM | 28.6 | APP | BDCCDDTT | -20120521ACI |
| 22 | K08FR | AZTEC NM | 28.6 | APP | BDFCDDTT | -20090824AEM |
| 29 | K28HM | THOREAU NM | 136.9 | APP | USERRECORD-01 | |

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 4

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|-------|----------------------|-------------|--------------|
| 21 | K21HJ | GALLUP & TOHATCHI NM | BLTT | -20050531BQJ |

Stations Potentially Affecting This Station

OET-69 Interference Analysis, New (K28HM digital companion channel), Thoreau, NM, Ch. 29

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|----------------|----------|--------|---------------|--------------|
| 21 | KYNM-LP | ALBUQUERQUE NM | 207.1 | APP | BDISDTA | -20111104ADN |
| 21 | K21AX | FARMINGTON NM | 129.6 | LIC | BLTT | -19910307JJ |
| 29 | K28HM | THOREAU NM | 43.2 | APP | USERRECORD-01 | |

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 5

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|----------------|-------------|--------------|
| 25 | KQDF-LP | ALBUQUERQUE NM | BLTTL | -20020924AAC |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|----------------|----------|--------|---------------|--------------|
| 17 | KAZQ | ALBUQUERQUE NM | 34.0 | LIC | BLEDT | -20051012ACK |
| 22 | KTFQ-DT | ALBUQUERQUE NM | 38.5 | LIC | BLCDT | -20090618ACG |
| 24 | KNAT-TV | ALBUQUERQUE NM | 34.0 | LIC | BLCDT | -20110630AHC |
| 25 | KTEL-TV | CARLSBAD NM | 378.1 | LIC | BLCDT | -20081125ADK |
| 25 | KINT-TV | EL PASO TX | 364.7 | LIC | BLCDT | -20061117ABX |
| 26 | KOB | ALBUQUERQUE NM | 34.0 | LIC | BLCDT | -20051003BQP |
| 27 | KASA-TV | SANTA FE NM | 34.0 | LIC | BLCDT | -20090417AAS |
| 29 | KWBQ | SANTA FE NM | 34.0 | LIC | BLCDT | -20030429ABG |
| 29 | KWBQ | SANTA FE NM | 34.0 | CP MOD | BMPCDT | -20010323AAU |
| 29 | K28HM | THOREAU NM | 139.8 | APP | USERRECORD-01 | |

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 6

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|---------------|-------------|--------------|
| 28 | K28GT-D | CROWNPOINT NM | BLDTT | -20120127AGO |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|----------------|----------|--------|---------------|--------------|
| 28 | K28EB-D | CORTEZ, ETC CO | 187.2 | LIC | BLDTT | -20090522ABX |
| 28 | K28HM | THOREAU NM | 25.3 | LIC | BLTT | -20021122ABJ |
| 29 | K28HM | THOREAU NM | 25.3 | APP | USERRECORD-01 | |

Total scenarios = 1

Result key: 1

Scenario 1 Affected station 6

Before Analysis

Results for: 28A NM CROWNPOINT BLDTT 20120127AGO LIC
HAAT 140.0 m, ATV ERP 0.2 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 4803 | 1190.5 |
| not affected by terrain losses | 4769 | 1153.9 |
| lost to NTSC IX | 139 | 107.0 |
| lost to additional IX by ATV | 90 | 35.7 |

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| | | |
|---------------------|-----|-------|
| lost to ATV IX only | 217 | 79.2 |
| lost to all IX | 229 | 142.6 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|--------------------|-------|-------------|-----|
| 28N NM THOREAU | BLTT | 20021122ABJ | LIC |
| 28A CO CORTEZ, ETC | BLDTT | 20090522ABX | LIC |

After Analysis

Results for: 28A NM CROWNPOINT BLDTT 20120127AGO LIC
HAAT 140.0 m, ATV ERP 0.2 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 4803 | 1190.5 |
| not affected by terrain losses | 4769 | 1153.9 |
| lost to NTSC IX | 139 | 107.0 |
| lost to additional IX by ATV | 90 | 35.7 |
| lost to ATV IX only | 228 | 81.2 |
| lost to all IX | 229 | 142.6 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|--------------------|--------------|-------------|-----|
| 28N NM THOREAU | BLTT | 20021122ABJ | LIC |
| 28A CO CORTEZ, ETC | BLDTT | 20090522ABX | LIC |
| 29A NM THOREAU | USERRECORD01 | | APP |

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 7

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|-------|----------------------|-------------|-------------|
| 28 | K28ER | DULCE & LUMBERTON NM | BLTT | -19970421JC |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|-------------------|----------|--------|---------------|--------------|
| 20 | KRMU | DURANGO CO | 88.1 | CP MOD | BMPEDT | -20050414ACG |
| 20 | KRMU | DURANGO CO | 88.1 | LIC | BLEDT | -20041012AIM |
| 28 | K28EB-D | CORTEZ, ETC CO | 112.6 | LIC | BLDTT | -20090522ABX |
| 28 | K28GF-D | CIMARRON NM | 164.9 | LIC | BLDTT | -20101008ACF |
| 28 | K28GV-D | TRES PIEDRAS NM | 85.6 | LIC | BLDTT | -20090827ABC |
| 43 | K43GT | PAGOSA SPRINGS CO | 25.9 | LIC | BLTT | -20040213AFR |
| 29 | K28HM | THOREAU NM | 203.5 | APP | USERRECORD-01 | |

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 8

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|-------|------------|-------------|--------------|
| 28 | K28HM | THOREAU NM | BLTT | -20021122ABJ |

Stations Potentially Affecting This Station

OET-69 Interference Analysis, New (K28HM digital companion channel), Thoreau, NM, Ch. 29

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|---------------|----------|--------|---------------|--------------|
| 28 | K28GT-D | CROWNPOINT NM | 25.3 | LIC | BLDTT | -20120127AGO |
| 29 | K28HM | THOREAU NM | 0.0 | APP | USERRECORD-01 | |

Proposal causes no interference

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Analysis of Interference to Affected Station 9

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|---------------|-------------|--------------|
| 29 | K29IQ-D | COTTONWOOD AZ | BDCCDTT | -20080917ACQ |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|-------------------------|----------|--------|---------------|--------------|
| 28 | K28CW | FLAGSTAFF AZ | 76.5 | CP | BDFCDTT | -20090804ABZ |
| 29 | K29KP-D | GILA RIVER INDIAN CO AZ | 173.7 | CP | BNPDTL | -20100713APN |
| 29 | K29KO-D | GILA RIVER INDIAN CO AZ | 192.4 | CP | BNPDTL | -20100713APR |
| 29 | KDOS-LD | GLOBE AZ | 196.8 | LIC | BLDTL | -20120306ABF |
| 29 | K29FD | LAKE HAVASU CITY AZ | 206.3 | CP MOD | BMPDTT | -20111025ABQ |
| 29 | K29FD | LAKE HAVASU CITY AZ | 206.3 | LIC | BLTT | -20040521AAL |
| 29 | KPCE-LP | TUCSON AZ | 287.9 | LIC | BLTTTL | -20080605AAT |
| 29 | K29DK | WILLIAMS AZ | 56.0 | LIC | BLTT | -20060111ACD |
| 29 | KVCW | LAS VEGAS NV | 299.4 | LIC | BLCDT | -20070109AAW |
| 30 | K30DT | FLAGSTAFF AZ | 76.5 | CP | BDFCDTT | -20110422ABH |
| 30 | K09KV | PRESCOTT AZ | 44.7 | CP MOD | BMPDTT | -20120327ABB |
| 29 | K28HM | THOREAU NM | 362.8 | APP | USERRECORD-01 | |

Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|------------|-------------|--------------|
| 29 | KDOS-LD | GLOBE AZ | BLDTL | -20120306ABF |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|-------------------------|----------|--------|---------------|--------------|
| 28 | KCOS-LP | PHOENIX AZ | 78.7 | LIC | BLTTTL | -19990325JD |
| 28 | KCOS-LP | PHOENIX AZ | 78.7 | APP | BSTA | -20120229AAV |
| 28 | KCOS-LP | PHOENIX AZ | 78.7 | APP | BDFCDTL | -20111107AFN |
| 28 | KUAS-TV | TUCSON AZ | 120.6 | LIC | BLEDT | -20030115ABS |
| 29 | K29IQ-D | COTTONWOOD AZ | 196.8 | CP | BDCCDTT | -20080917ACQ |
| 29 | K29KP-D | GILA RIVER INDIAN CO AZ | 91.5 | CP | BNPDTL | -20100713APN |
| 29 | K29KO-D | GILA RIVER INDIAN CO AZ | 75.1 | CP | BNPDTL | -20100713APR |
| 29 | KPCE-LP | TUCSON AZ | 118.7 | LIC | BLTTTL | -20080605AAT |
| 29 | K29DK | WILLIAMS AZ | 247.1 | LIC | BLTT | -20060111ACD |
| 30 | K30MM-D | GILA RIVER INDIAN CO AZ | 105.2 | CP | BNPDTL | -20100707EBQ |
| 30 | KUAT-TV | TUCSON AZ | 97.7 | LIC | BLEDT | -20040727ABR |
| 29 | K28HM | THOREAU NM | 339.0 | APP | USERRECORD-01 | |

Proposal causes no interference

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Analysis of Interference to Affected Station 11

Analysis of current record

OET-69 Interference Analysis, New (K28HM digital companion channel), Thoreau, NM, Ch. 29

| | | | |
|---------|-------|-------------|----------------------|
| Channel | Call | City/State | Application Ref. No. |
| 29 | K29DK | WILLIAMS AZ | BLTT -20060111ACD |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|---------------|----------|--------|----------------------|
| 22 | KNAZ-DR | FLAGSTAFF AZ | 68.4 | APP | BPRM -20080620AOL |
| 22 | KNAZ-TV | FLAGSTAFF AZ | 68.4 | LIC | BLCDT -20091210AAC |
| 29 | K29IQ-D | COTTONWOOD AZ | 56.0 | CP | BDCCDTT -20080917ACQ |
| 29 | KVCW | LAS VEGAS NV | 268.7 | LIC | BLCDT -20070109AAW |
| 30 | K30DT | FLAGSTAFF AZ | 55.3 | CP | BDFCDTT -20110422ABH |
| 32 | KCFG | FLAGSTAFF AZ | 68.4 | LIC | BLCDT -20071115AEG |
| 29 | K28HM | THOREAU NM | 360.6 | APP | USERRECORD-01 |

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 12

Analysis of current record

| | | | |
|---------|---------|----------------|----------------------|
| Channel | Call | City/State | Application Ref. No. |
| 29 | K29GO-D | CORTEZ, ETC CO | BLDTT -20090522ABU |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|--------------------|----------|--------|----------------------|
| 28 | K28EB-D | CORTEZ, ETC CO | 0.0 | LIC | BLDTT -20090522ABX |
| 29 | K29CK-D | CARBONDALE CO | 238.4 | LIC | BLDTT -20091221AAU |
| 29 | K29CZ | DURANGO CO | 24.7 | LIC | BLTT -19961107JB |
| 29 | K29IT-D | GATEVIEW CO | 130.1 | LIC | BLDTT -20120106ABN |
| 29 | NEW | GATEWAY CO | 173.6 | APP | BNPDTL -20100510AGB |
| 29 | K29HR-D | FARMINGTON NM | 77.5 | LIC | BLDTT -20080528ABA |
| 29 | KWBQ | SANTA FE NM | 283.5 | LIC | BLCDT -20030429ABG |
| 29 | KWBQ | SANTA FE NM | 283.4 | CP MOD | BMPCDT -20010323AAU |
| 30 | K30HJ-D | CORTEZ, ETC CO | 0.0 | LIC | BLDTT -20090522ACI |
| 30 | K30DC | DOVE CREEK, ETC CO | 80.4 | CP | BDFCDTL -20100401AEV |
| 29 | K28HM | THOREAU NM | 211.2 | APP | USERRECORD-01 |

Proposal causes no interference

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Analysis of Interference to Affected Station 13

Analysis of current record

| | | | |
|---------|-------|------------|----------------------|
| Channel | Call | City/State | Application Ref. No. |
| 29 | K29CZ | DURANGO CO | BLTT -19961107JB |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|----------------|----------|--------|----------------------|
| 28 | K28EB-D | CORTEZ, ETC CO | 24.7 | LIC | BLDTT -20090522ABX |
| 29 | K29GO-D | CORTEZ, ETC CO | 24.7 | LIC | BLDTT -20090522ABU |
| 29 | K29HR-D | FARMINGTON NM | 72.1 | LIC | BLDTT -20080528ABA |
| 29 | KWBQ | SANTA FE NM | 262.3 | LIC | BLCDT -20030429ABG |
| 29 | KWBQ | SANTA FE NM | 262.2 | CP MOD | BMPCDT -20010323AAU |
| 30 | K30HJ-D | CORTEZ, ETC CO | 24.7 | LIC | BLDTT -20090522ACI |
| 33 | KRTN-TV | DURANGO CO | 0.3 | LIC | BLCDT -20081029AAA |
| 29 | K28HM | THOREAU NM | 201.9 | APP | USERRECORD-01 |

Proposal causes no interference

OET-69 Interference Analysis, New (K28HM digital companion channel), Thoreau, NM, Ch. 29

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Analysis of Interference to Affected Station 14

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|-------------|-------------|--------------|
| 29 | K29IT-D | GATEVIEW CO | BLDTT | -20120106ABN |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|----------------|----------|--------|---------------|--------------|
| 28 | K28AD-D | MONTROSE CO | 57.7 | LIC | BLDTT | -20090929AHW |
| 29 | K29CK-D | CARBONDALE CO | 125.5 | LIC | BLDTT | -20091221AAU |
| 29 | K29GO-D | CORTEZ, ETC CO | 130.1 | LIC | BLDTT | -20090522ABU |
| 29 | K29CZ | DURANGO CO | 128.4 | LIC | BLTT | -19961107JB |
| 29 | NEW | GATEWAY CO | 127.2 | APP | BNPDTL | -20100510AGB |
| 29 | KDEN-TV | LONGMONT CO | 284.8 | LIC | BLCDDT | -20100317AAM |
| 29 | K29IU-D | PARLIN CO | 55.0 | LIC | BLDTT | -20100713APD |
| 29 | KWBQ | SANTA FE NM | 350.3 | LIC | BLCDDT | -20030429ABG |
| 29 | KWBQ | SANTA FE NM | 350.2 | CP MOD | BMPCDDT | -20010323AAU |
| 29 | K28HM | THOREAU NM | 326.8 | APP | USERRECORD-01 | |

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 15

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|------------|-------------|--------------|
| 29 | NEW | GATEWAY CO | BNPDTL | -20100510AGB |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|--------------------|----------|--------|---------------|--------------|
| 28 | K28JY-D | CARBONDALE CO | 112.5 | LIC | BLDTT | -20091221AAV |
| 28 | K28HA-D | GRAND VALLEY CO | 75.3 | LIC | BLDTT | -20101007AAR |
| 28 | K28AD-D | MONTROSE CO | 70.3 | LIC | BLDTT | -20090929AHW |
| 29 | K29CK-D | CARBONDALE CO | 112.5 | LIC | BLDTT | -20091221AAU |
| 29 | K29GO-D | CORTEZ, ETC CO | 173.6 | LIC | BLDTT | -20090522ABU |
| 29 | K29CZ | DURANGO CO | 189.6 | LIC | BLTT | -19961107JB |
| 29 | K29IT-D | GATEVIEW CO | 127.2 | LIC | BLDTT | -20120106ABN |
| 29 | KDEN-TV | LONGMONT CO | 335.7 | LIC | BLCDDT | -20100317AAM |
| 29 | KUPX-TV | PROVO UT | 371.6 | LIC | BLCDDT | -20020510AAP |
| 29 | K29EX | TABIONA & MYTON UT | 254.9 | LIC | BLTT | -20031002ABV |
| 29 | NEW | VERNAL, ETC. UT | 170.8 | APP | BNPDTT | -20090825BYZ |
| 30 | K30JQ-D | CARBONDALE CO | 112.5 | LIC | BLDTT | -20091221AAW |
| 30 | K30LG-D | GRAND JUNCTION CO | 23.4 | CP | BNPDTL | -20090902ACQ |
| 30 | K30IU | GRAND JUNCTION CO | 23.4 | LIC | BLTTL | -20090227ACE |
| 29 | K28HM | THOREAU NM | 382.6 | APP | USERRECORD-01 | |

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 16

Analysis of current record

OET-69 Interference Analysis, New (K28HM digital companion channel), Thoreau, NM, Ch. 29

| | | | |
|---------|---------|------------|----------------------|
| Channel | Call | City/State | Application Ref. No. |
| 29 | K29IU-D | PARLIN CO | BLDTT -20100713APD |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|------------------|----------|--------|----------------------|
| 28 | K28KU-D | CRESTED BUTTE CO | 50.8 | CP | BNPDTL -20090825BMQ |
| 29 | K29CK-D | CARBONDALE CO | 118.2 | LIC | BLDTT -20091221AAU |
| 29 | K29GO-D | CORTEZ, ETC CO | 180.8 | LIC | BLDTT -20090522ABU |
| 29 | K29IT-D | GATEVIEW CO | 55.0 | LIC | BLDTT -20120106ABN |
| 29 | NEW | GATEWAY CO | 163.5 | APP | BNPDTL -20100510AGB |
| 29 | K29HM-D | LAKE GEORGE CO | 117.6 | LIC | BLDTT -20101001ACF |
| 29 | KDEN-TV | LONGMONT CO | 233.9 | LIC | BLCDT -20100317AAM |
| 29 | KWBQ | SANTA FE NM | 366.8 | LIC | BLCDT -20030429ABG |
| 29 | KWBQ | SANTA FE NM | 366.7 | CP MOD | BMPCDT -20010323AAU |
| 30 | K30EJ-D | CRESTED BUTTE CO | 39.1 | LIC | BLDTT -20100301AAH |
| 29 | K28HM | THOREAU NM | 365.3 | APP | USERRECORD-01 |

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 17

Analysis of current record

| | | | |
|---------|---------|---------------|----------------------|
| Channel | Call | City/State | Application Ref. No. |
| 29 | KAPT-LP | ALAMOGORDO NM | BLTTTL -19911205JF |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|--------------------|----------|--------|----------------------|
| 25 | KINT-TV | EL PASO TX | 127.8 | LIC | BLCDT -20061117ABX |
| 28 | K28HB | ALAMOGORDO NM | 1.5 | LIC | BLTTTL -20010801ALG |
| 29 | KUPT | HOBBS NM | 261.0 | LIC | BLCDT -20081125ADR |
| 29 | KWBQ | SANTA FE NM | 269.8 | LIC | BLCDT -20030429ABG |
| 29 | KWBQ | SANTA FE NM | 270.0 | CP MOD | BMPCDT -20010323AAU |
| 30 | K30GM-D | CAPITAN/RUIDOSO NM | 64.6 | LIC | BLDTT -20111229AAS |
| 29 | K28HM | THOREAU NM | 364.3 | APP | USERRECORD-01 |

Proposal causes no interference

#####

Analysis of Interference to Affected Station 18

Analysis of current record

| | | | |
|---------|---------|---------------|----------------------|
| Channel | Call | City/State | Application Ref. No. |
| 29 | K29HR-D | FARMINGTON NM | BLDTT -20080528ABA |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|----------------|----------|--------|----------------------|
| 28 | K28EB-D | CORTEZ, ETC CO | 77.5 | LIC | BLDTT -20090522ABX |
| 29 | K29GO-D | CORTEZ, ETC CO | 77.5 | LIC | BLDTT -20090522ABU |
| 29 | K29CZ | DURANGO CO | 72.1 | LIC | BLTT -19961107JB |
| 29 | KWBQ | SANTA FE NM | 228.1 | LIC | BLCDT -20030429ABG |
| 29 | KWBQ | SANTA FE NM | 228.0 | CP MOD | BMPCDT -20010323AAU |
| 30 | K30HJ-D | CORTEZ, ETC CO | 77.5 | LIC | BLDTT -20090522ACI |
| 30 | K30KB | FARMINGTON NM | 5.7 | LIC | BLTT -20090709AFD |
| 29 | K28HM | THOREAU NM | 133.9 | APP | USERRECORD-01 |

Total scenarios = 2

OET-69 Interference Analysis, New (K28HM digital companion channel), Thoreau, NM, Ch. 29

Result key: 2
Scenario 1 Affected station 18
Before Analysis

Results for: 29A NM FARMINGTON BLDTT 20080528ABA LIC
HAAT 287.0 m, ATV ERP 4.4 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 101698 | 6251.0 |
| not affected by terrain losses | 101666 | 5998.6 |
| lost to NTSC IX | 28 | 123.2 |
| lost to additional IX by ATV | 3051 | 1243.2 |
| lost to ATV IX only | 3079 | 1354.7 |
| lost to all IX | 3079 | 1366.4 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|--------------------|--------|-------------|-----|
| 29N CO DURANGO | BLTT | 19961107JB | LIC |
| 29A CO CORTEZ, ETC | BLD TT | 20090522ABU | LIC |
| 29A NM SANTA FE | BLCDT | 20030429ABG | LIC |
| 30A CO CORTEZ, ETC | BLD TT | 20090522ACI | LIC |

After Analysis

Results for: 29A NM FARMINGTON BLDTT 20080528ABA LIC
HAAT 287.0 m, ATV ERP 4.4 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 101698 | 6251.0 |
| not affected by terrain losses | 101666 | 5998.6 |
| lost to NTSC IX | 28 | 123.2 |
| lost to additional IX by ATV | 3051 | 1253.9 |
| lost to ATV IX only | 3079 | 1367.4 |
| lost to all IX | 3079 | 1377.2 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|--------------------|--------------|-------------|-----|
| 29N CO DURANGO | BLTT | 19961107JB | LIC |
| 29A CO CORTEZ, ETC | BLD TT | 20090522ABU | LIC |
| 29A NM SANTA FE | BLCDT | 20030429ABG | LIC |
| 30A CO CORTEZ, ETC | BLD TT | 20090522ACI | LIC |
| 29A NM THOREAU | USERRECORD01 | | APP |

Percent new IX = 0.0000%

Result key: 3
Scenario 2 Affected station 18
Before Analysis

Results for: 29A NM FARMINGTON BLDTT 20080528ABA LIC
HAAT 287.0 m, ATV ERP 4.4 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 101698 | 6251.0 |
| not affected by terrain losses | 101666 | 5998.6 |
| lost to NTSC IX | 28 | 123.2 |
| lost to additional IX by ATV | 3502 | 1249.0 |
| lost to ATV IX only | 3530 | 1360.5 |
| lost to all IX | 3530 | 1372.3 |

Potential Interfering Stations Included in above Scenario 2

| | | | |
|--------------------|--------|-------------|-----|
| 29N CO DURANGO | BLTT | 19961107JB | LIC |
| 29A CO CORTEZ, ETC | BLD TT | 20090522ABU | LIC |
| 29A NM SANTA FE | BMPCDT | 20010323AAU | CP |
| 30A CO CORTEZ, ETC | BLD TT | 20090522ACI | LIC |

OET-69 Interference Analysis, New (K28HM digital companion channel), Thoreau, NM, Ch. 29

After Analysis

Results for: 29A NM FARMINGTON BLDTT 20080528ABA LIC
HAAT 287.0 m, ATV ERP 4.4 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 101698 | 6251.0 |
| not affected by terrain losses | 101666 | 5998.6 |
| lost to NTSC IX | 28 | 123.2 |
| lost to additional IX by ATV | 3502 | 1260.8 |
| lost to ATV IX only | 3530 | 1374.2 |
| lost to all IX | 3530 | 1384.0 |

Potential Interfering Stations Included in above Scenario 2

| | | | |
|--------------------|--------------|-------------|-----|
| 29N CO DURANGO | BLTT | 19961107JB | LIC |
| 29A CO CORTEZ, ETC | BLDTT | 20090522ABU | LIC |
| 29A NM SANTA FE | BMPCDT | 20010323AAU | CP |
| 30A CO CORTEZ, ETC | BLDTT | 20090522ACI | LIC |
| 29A NM THOREAU | USERRECORD01 | | APP |

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

#####

Analysis of Interference to Affected Station 19

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|-------|--------------|----------------------|
| 29 | K29DP | LORDSBURG NM | BDFCDTT -20060331ABI |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|-------------|----------|--------|----------------------|
| 29 | KDOS-LD | GLOBE AZ | 223.6 | LIC | BLDTL -20120306ABF |
| 29 | KPCE-LP | TUCSON AZ | 224.7 | LIC | BLTTL -20080605AAT |
| 29 | KWBQ | SANTA FE NM | 383.5 | LIC | BLCDT -20030429ABG |
| 29 | KWBQ | SANTA FE NM | 383.5 | CP MOD | BMPCDT -20010323AAU |
| 29 | K28HM | THOREAU NM | 351.7 | APP | USERRECORD-01 |

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 20

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|-------|--------------|----------------------|
| 29 | K29DP | LORDSBURG NM | BLTT -20120515AFQ |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|-------|-------------|----------|--------|----------------------|
| 29 | KWBQ | SANTA FE NM | 383.5 | LIC | BLCDT -20030429ABG |
| 29 | KWBQ | SANTA FE NM | 383.5 | CP MOD | BMPCDT -20010323AAU |
| 29 | K28HM | THOREAU NM | 351.7 | APP | USERRECORD-01 |

Proposed station is beyond the site to
nearest cell evaluation distance

OET-69 Interference Analysis, New (K28HM digital companion channel), Thoreau, NM, Ch. 29

#####

Analysis of Interference to Affected Station 21

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|--------------|-------------|--------------|
| 29 | NEW | MAGDALENA NM | BNPDTL | -20100513AEO |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|-------------------------|----------|--------|---------------|--------------|
| 28 | K28GJ-D | HATCH NM | 39.7 | LIC | BLD TT | -20100115ACL |
| 29 | KAPT-LP | ALAMOGORDO NM | 134.3 | LIC | BLT TT | -19911205JF |
| 29 | KWBQ | SANTA FE NM | 260.1 | LIC | BLCDT | -20030429ABG |
| 29 | KWBQ | SANTA FE NM | 260.2 | CP MOD | BMPCDT | -20010323AAU |
| 29 | K51BQ | TRUTH OR CONSEQUENCE NM | 18.3 | APP | BSTA | -20120510AAT |
| 29 | K51BQ | TRUTH OR CONSEQUENCE NM | 18.3 | APP | BDISD TT | -20110831ACH |
| 29 | K28HM | THOREAU NM | 288.7 | APP | USERRECORD-01 | |

Proposal causes no interference

#####

Analysis of Interference to Affected Station 22

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|-------------|-------------|--------------|
| 29 | KWBQ | SANTA FE NM | BLCDT | -20030429ABG |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|-------|------------|----------|--------|---------------|--------------|
| 29 | KUPT | HOBBS NM | 414.7 | LIC | BLCDT | -20081125ADR |
| 29 | K28HM | THOREAU NM | 164.8 | APP | USERRECORD-01 | |

Total scenarios = 1

Result key: 4

Scenario 1 Affected station 22
Before Analysis

Results for: 29A NM SANTA FE BLC DT 20030429ABG LIC
HAAT 1289.0 m, ATV ERP 245.0 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 976724 | 54991.7 |
| not affected by terrain losses | 934848 | 47602.2 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 0 | 0.0 |
| lost to ATV IX only | 0 | 0.0 |
| lost to all IX | 0 | 0.0 |

Potential Interfering Stations Included in above Scenario 1

After Analysis

Results for: 29A NM SANTA FE BLC DT 20030429ABG LIC
HAAT 1289.0 m, ATV ERP 245.0 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 976724 | 54991.7 |
| not affected by terrain losses | 934848 | 47602.2 |
| lost to NTSC IX | 0 | 0.0 |

OET-69 Interference Analysis, New (K28HM digital companion channel), Thoreau, NM, Ch. 29

| | | |
|------------------------------|-----|--------|
| lost to additional IX by ATV | 797 | 1087.4 |
| lost to ATV IX only | 797 | 1087.4 |
| lost to all IX | 797 | 1087.4 |

Potential Interfering Stations Included in above Scenario 1

29A NM THOREAU USERRECORD01 APP

Percent new IX = 0.0853%

Worst case new IX 0.0853% Scenario 1

#####

Analysis of Interference to Affected Station 23

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|------|-------------|----------------------|
| 29 | KWBQ | SANTA FE NM | BMPCDT -20010323AAU |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|-------|------------|----------|--------|----------------------|
| 29 | KUPT | HOBBS NM | 414.8 | LIC | BLCDT -20081125ADR |
| 29 | K28HM | THOREAU NM | 164.7 | APP | USERRECORD-01 |

Total scenarios = 1

Result key: 5

Scenario 1 Affected station 23

Before Analysis

Results for: 29A NM SANTA FE BMPCDT 20010323AAU CP

HAAT 1275.0 m, ATV ERP 245.0 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 976868 | 54934.1 |
| not affected by terrain losses | 934395 | 47587.8 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 0 | 0.0 |
| lost to ATV IX only | 0 | 0.0 |
| lost to all IX | 0 | 0.0 |

Potential Interfering Stations Included in above Scenario 1

After Analysis

Results for: 29A NM SANTA FE BMPCDT 20010323AAU CP

HAAT 1275.0 m, ATV ERP 245.0 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 976868 | 54934.1 |
| not affected by terrain losses | 934395 | 47587.8 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 854 | 1071.4 |
| lost to ATV IX only | 854 | 1071.4 |
| lost to all IX | 854 | 1071.4 |

Potential Interfering Stations Included in above Scenario 1

29A NM THOREAU USERRECORD01 APP

Percent new IX = 0.0914%

OET-69 Interference Analysis, New (K28HM digital companion channel), Thoreau, NM, Ch. 29

Worst case new IX 0.0914% Scenario 1

#####

Analysis of Interference to Affected Station 24

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|-------|-------------------------|----------------------|
| 29 | K51BQ | TRUTH OR CONSEQUENCE NM | BSTA -20120510AAT |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|---------------|----------|--------|----------------------|
| 28 | K28GJ-D | HATCH NM | 54.2 | LIC | BLDTT -20100115ACL |
| 29 | KAPT-LP | ALAMOGORDO NM | 135.0 | LIC | BLTTL -19911205JF |
| 29 | KUPT | HOBBS NM | 393.5 | LIC | BLCDT -20081125ADR |
| 29 | NEW | MAGDALENA NM | 18.3 | APP | BNPDTL -20100513AEO |
| 29 | KWBQ | SANTA FE NM | 242.1 | LIC | BLCDT -20030429ABG |
| 29 | KWBQ | SANTA FE NM | 242.2 | CP MOD | BMPCDT -20010323AAU |
| 29 | K28HM | THOREAU NM | 272.3 | APP | USERRECORD-01 |

Proposal causes no interference

#####

Analysis of Interference to Affected Station 25

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|-------|-------------------------|----------------------|
| 29 | K51BQ | TRUTH OR CONSEQUENCE NM | BDISDTT -20110831ACH |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|---------------|----------|--------|----------------------|
| 28 | K28GJ-D | HATCH NM | 54.2 | LIC | BLDTT -20100115ACL |
| 29 | KAPT-LP | ALAMOGORDO NM | 135.0 | LIC | BLTTL -19911205JF |
| 29 | KUPT | HOBBS NM | 393.5 | LIC | BLCDT -20081125ADR |
| 29 | NEW | MAGDALENA NM | 18.3 | APP | BNPDTL -20100513AEO |
| 29 | KWBQ | SANTA FE NM | 242.1 | LIC | BLCDT -20030429ABG |
| 29 | KWBQ | SANTA FE NM | 242.2 | CP MOD | BMPCDT -20010323AAU |
| 29 | K28HM | THOREAU NM | 272.3 | APP | USERRECORD-01 |

Proposal causes no interference

#####

Analysis of Interference to Affected Station 26

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|---------------|----------------------|
| 29 | K29IX-D | CAINEVILLE UT | BLDTT -20100223AEN |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|--------------------|----------|--------|----------------------|
| 29 | K29FQ | DELTA UT | 167.0 | LIC | BLTT -20040422AAU |
| 29 | K29HK-D | EMERY UT | 68.4 | LIC | BLDTT -20080125ABN |
| 29 | K29JQ-D | FISHLAKE RESORT UT | 76.2 | LIC | BLDTT -20100803ABC |
| 29 | K29EM-D | MANTI & EPHRAIM UT | 131.4 | LIC | BLDTT -20090720ABM |
| 29 | KUPX-TV | PROVO UT | 278.4 | LIC | BLCDT -20020510AAP |
| 29 | K28HM | THOREAU NM | 398.8 | APP | USERRECORD-01 |

OET-69 Interference Analysis, New (K28HM digital companion channel), Thoreau, NM, Ch. 29

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 27

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|--------------|----------------------|
| 29 | K29HN-D | ESCALANTE UT | BLDTT -20110503ABJ |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|-------------------------|----------|--------|----------------------|
| 29 | KVCW | LAS VEGAS NV | 362.0 | LIC | BLCDT -20070109AAW |
| 29 | K29JA-D | ALTON UT | 94.7 | LIC | BLDTT -20091211AGI |
| 29 | K29JQ-D | FISHLAKE RESORT UT | 82.2 | LIC | BLDTT -20100803ABC |
| 29 | KUPX-TV | PROVO UT | 322.9 | LIC | BLCDT -20020510AAP |
| 29 | K29GJ-D | TROPIC & CANNONVILLE UT | 43.3 | LIC | BLDTL -20090708AJI |
| 29 | K28HM | THOREAU NM | 394.9 | APP | USERRECORD-01 |

Proposal causes no interference

#####

Analysis of Interference to Affected Station 28

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|-------|---------------|----------------------|
| 30 | K30GL | MANY FARMS AZ | BLTT -20031205ABO |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|----------------|----------|--------|----------------------|
| 30 | K30HJ-D | CORTEZ, ETC CO | 131.3 | LIC | BLDTT -20090522ACI |
| 30 | K30DC | DOVE CREEK CO | 145.6 | LIC | BLTTL -20041227AAE |
| 30 | KYNM-LP | ALBUQUERQUE NM | 275.6 | LIC | BLTTA -20050203ADT |
| 30 | K30KB | FARMINGTON NM | 86.0 | LIC | BLTT -20090709AFD |
| 33 | KRTN-TV | DURANGO CO | 139.1 | LIC | BLCDT -20081029AAA |
| 45 | K45CU | SHIPROCK NM | 0.2 | LIC | BLTT -19901015JH |
| 29 | K28HM | THOREAU NM | 134.3 | APP | USERRECORD-01 |

Proposal causes no interference

#####

Analysis of Interference to Affected Station 29

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|----------------|----------------------|
| 30 | KYNM-LP | ALBUQUERQUE NM | BLTTA -20050203ADT |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|--------------------|----------|--------|----------------------|
| 22 | KTFQ-DT | ALBUQUERQUE NM | 33.5 | LIC | BLCDT -20090618ACG |
| 26 | KOB | ALBUQUERQUE NM | 0.1 | LIC | BLCDT -20051003BQP |
| 27 | KASA-TV | SANTA FE NM | 0.2 | LIC | BLCDT -20090417AAS |
| 29 | KWBQ | SANTA FE NM | 0.0 | LIC | BLCDT -20030429ABG |
| 29 | KWBQ | SANTA FE NM | 0.1 | CP MOD | BMPCDT -20010323AAU |
| 30 | K30GL | MANY FARMS AZ | 275.6 | LIC | BLTT -20031205ABO |
| 30 | K30GM-D | CAPITAN/RUIDOSO NM | 210.1 | LIC | BLDTT -20111229AAS |

OET-69 Interference Analysis, New (K28HM digital companion channel), Thoreau, NM, Ch. 29

| | | | | | | |
|----|---------|----------------|-------|-----|---------------|--------------|
| 30 | K30GJ-D | COLFAX NM | 187.6 | LIC | BLD TT | -20120307ABY |
| 31 | KNME-TV | MOUNTAINAIR NM | 57.4 | LIC | BL EDT | -20110908AAS |
| 45 | KASY-TV | ALBUQUERQUE NM | 0.1 | LIC | BL CDT | -20030429ABF |
| 29 | K28HM | THOREAU NM | 164.8 | APP | USERRECORD-01 | |

Proposal causes no interference

#####

Analysis of Interference to Affected Station 30

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|---------------|----------------------|
| 30 | K30KV-D | CROWNPOINT NM | BLD TT -20110927AGJ |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|----------------|----------|--------|----------------------|
| 30 | K30GL | MANY FARMS AZ | 121.2 | LIC | BL TT -20031205ABO |
| 30 | K30HJ-D | CORTEZ, ETC CO | 187.2 | LIC | BLD TT -20090522ACI |
| 30 | KYNM-LP | ALBUQUERQUE NM | 162.4 | LIC | BL TTA -20050203ADT |
| 30 | K30KB | FARMINGTON NM | 112.9 | LIC | BL TT -20090709AFD |
| 31 | K31JR-D | THOREAU NM | 25.1 | LIC | BLD TT -20091207ACB |
| 29 | K28HM | THOREAU NM | 25.3 | APP | USERRECORD-01 |

Proposal causes no interference

#####

Analysis of Interference to Affected Station 31

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|----------------------|----------------------|
| 30 | K30EK-D | DULCE & LUMBERTON NM | BLD TT -20111117ATH |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|-------------------|----------|--------|----------------------|
| 29 | K29GO-D | CORTEZ, ETC CO | 112.6 | LIC | BLD TT -20090522ABU |
| 30 | K30GL | MANY FARMS AZ | 198.0 | LIC | BL TT -20031205ABO |
| 30 | K30HJ-D | CORTEZ, ETC CO | 112.6 | LIC | BLD TT -20090522ACI |
| 30 | K30LG-D | GRAND JUNCTION CO | 237.6 | CP | BNPDTL -20090902ACQ |
| 30 | K30IU | GRAND JUNCTION CO | 237.6 | LIC | BL TTL -20090227ACE |
| 30 | KYNM-LP | ALBUQUERQUE NM | 202.3 | LIC | BL TTA -20050203ADT |
| 30 | K30GJ-D | COLFAX NM | 164.9 | LIC | BLD TT -20120307ABY |
| 30 | K30KB | FARMINGTON NM | 112.1 | LIC | BL TT -20090709AFD |
| 31 | DK31FS | PAGOSA SPRINGS CO | 31.6 | LIC | BL TT -20040421ADE |
| 31 | K57CB | ROMEO CO | 85.6 | CP | BDISDTT -20091123AGA |
| 29 | K28HM | THOREAU NM | 203.5 | APP | USERRECORD-01 |

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 32

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|-------|---------------|----------------------|
| 30 | K30KB | FARMINGTON NM | BL TT -20090709AFD |

Stations Potentially Affecting This Station

OET-69 Interference Analysis, New (K28HM digital companion channel), Thoreau, NM, Ch. 29

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|----------------|----------|--------|---------------|--------------|
| 29 | K29GO-D | CORTEZ, ETC CO | 74.3 | LIC | BLDTT | -20090522ABU |
| 29 | K29HR-D | FARMINGTON NM | 5.7 | LIC | BLDTT | -20080528ABA |
| 30 | K30GL | MANY FARMS AZ | 86.0 | LIC | BLTT | -20031205ABO |
| 30 | K30HJ-D | CORTEZ, ETC CO | 74.3 | LIC | BLDTT | -20090522ACI |
| 30 | K30DC | DOVE CREEK CO | 134.8 | LIC | BLTTL | -20041227AAE |
| 30 | KYNM-LP | ALBUQUERQUE NM | 226.7 | LIC | BLTTA | -20050203ADT |
| 33 | KRTN-TV | DURANGO CO | 67.7 | LIC | BLCDT | -20081029AAA |
| 29 | K28HM | THOREAU NM | 136.9 | APP | USERRECORD-01 | |

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 33

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|-------|-----------------------|-------------|--------------|
| 31 | K31FX | PIE TOWN & QUEMADO NM | BLTT | -20090414ACC |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|-------------|----------|--------|---------------|--------------|
| 31 | K31DR | CABALLO NM | 159.2 | LIC | BLTT | -20041021AEZ |
| 31 | K31MG-D | PIE TOWN NM | 0.0 | CP | BNPDTT | -20100730ADQ |
| 29 | K28HM | THOREAU NM | 134.9 | APP | USERRECORD-01 | |

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 34

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|-------|---------------------|-------------|--------------|
| 32 | K32FK | SHIPROCK, CHINLE AZ | BLTT | -20011113ACI |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|---------------|----------|--------|---------------|--------------|
| 32 | KCFG | FLAGSTAFF AZ | 273.7 | LIC | BLCDT | -20071115AEG |
| 32 | K32IJ-D | CORTEZ CO | 131.3 | LIC | BLDTT | -20110331AEY |
| 32 | K32EY | DOVE CREEK CO | 145.6 | LIC | BLTTL | -19990503JB |
| 32 | K32JT-D | FARMINGTON NM | 82.3 | CP | BNPDTL | -20091201AQW |
| 29 | K28HM | THOREAU NM | 134.3 | APP | USERRECORD-01 | |

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 35

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|-------|------------|---------------|----------|
| 29 | K28HM | THOREAU NM | USERRECORD-01 | |

OET-69 Interference Analysis, New (K28HM digital companion channel), Thoreau, NM, Ch. 29

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|----------------|----------|--------|-------------|--------------|
| 28 | K28GT-D | CROWNPOINT NM | 25.3 | LIC | BLDTT | -20120127AGO |
| 28 | K28HM | THOREAU NM | 0.0 | LIC | BLTT | -20021122ABJ |
| 29 | K29GO-D | CORTEZ, ETC CO | 211.2 | LIC | BLDTT | -20090522ABU |
| 29 | K29HR-D | FARMINGTON NM | 133.9 | LIC | BLDTT | -20080528ABA |
| 29 | KWBQ | SANTA FE NM | 164.8 | LIC | BLCDT | -20030429ABG |
| 29 | KWBQ | SANTA FE NM | 164.7 | CP MOD | BMPCDT | -20010323AAU |
| 30 | K30KV-D | CROWNPOINT NM | 25.3 | LIC | BLDTT | -20110927AGJ |

Total scenarios = 2

Result key: 6
Scenario 1 Affected station 35
Before Analysis

Results for: 29A NM THOREAU USERRECORD01 APP
HAAT 401.0 m, ATV ERP 0.3 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 21609 | 4822.5 |
| not affected by terrain losses | 16708 | 3579.1 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 166 | 234.6 |
| lost to ATV IX only | 166 | 234.6 |
| lost to all IX | 166 | 234.6 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|--------------------|-------|-------------|-----|
| 28A NM CROWNPOINT | BLDTT | 20120127AGO | LIC |
| 29A CO CORTEZ, ETC | BLDTT | 20090522ABU | LIC |
| 29A NM FARMINGTON | BLDTT | 20080528ABA | LIC |
| 29A NM SANTA FE | BLCDT | 20030429ABG | LIC |
| 30A NM CROWNPOINT | BLDTT | 20110927AGJ | LIC |

Result key: 7
Scenario 2 Affected station 35
Before Analysis

Results for: 29A NM THOREAU USERRECORD01 APP
HAAT 401.0 m, ATV ERP 0.3 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 21609 | 4822.5 |
| not affected by terrain losses | 16708 | 3579.1 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 230 | 237.5 |
| lost to ATV IX only | 230 | 237.5 |
| lost to all IX | 230 | 237.5 |

Potential Interfering Stations Included in above Scenario 2

| | | | |
|--------------------|--------|-------------|-----|
| 28A NM CROWNPOINT | BLDTT | 20120127AGO | LIC |
| 29A CO CORTEZ, ETC | BLDTT | 20090522ABU | LIC |
| 29A NM FARMINGTON | BLDTT | 20080528ABA | LIC |
| 29A NM SANTA FE | BMPCDT | 20010323AAU | CP |
| 30A NM CROWNPOINT | BLDTT | 20110927AGJ | LIC |

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