

**March 2009
New FM Channel 218A
Brookings, OR
Allocation Study**

The attached spacing study shows the co-channel and adjacent channel spacing between stations and demonstrates that the proposed operation meets the IF channel spacing requirements as prescribed in §73.207 of the Commission's Rules.

Individual stations were examined to confirm the lack of prohibited contour overlap as prescribed in §73.509 of the Commission's Rules. The attached allocation study exhibits demonstrate requisite contour protection for the following domestic stations:

| | | | |
|------------------|------|------|---------------|
| Second-adjacent: | KHEC | 216A | Crescent City |
| | KHSR | 220A | Crescent City |

TV Channel 6

Section 73.525 of the Commission's Rules specifies a threshold distance of 166 kilometers for FM stations operating on Channel 218. The only TV Channel 6 station located within this threshold distance is KVIQ-TV Eureka. As depicted on the attached study map, there is no overlap of the proposed 85.5 dBu F(50,10) contour to the KVIQ-TV Grade B contour. Therefore, the proposed facility satisfies interference protection requirements to KVIQ-TV.

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SEARCH PARAMETERS FM Database Date: 090310

Channel: 218A 91.5 MHz
 Latitude: 42 7 23
 Longitude: 124 17 56
 Safety Zone: 50 km
 Job Title: BROOKINGS 218A

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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) |
|----------------|---|---------------|-------------------|-----------------------|-----------------------|---------------------|--------------|-------------|
| K215AR LIC | CAVE JUNCTION, ETC. OR BLFT-841016TP | 215D 90.9 | 0.078 796.0 | 42-15-31 123-39-43 | 73.8 | 54.73 0.00 | 0 TRANS | |
| KJCH LIC | COOS BAY OR BLED-61211ACY | 215C2 90.9 | 3.500 445.8 | 42-57-32 124-16-23 | 1.3 | 92.87 37.87 | 55 CLEAR | |
| KHEC CP | CRESCENT CITY CA BNPED-71022ACC | 216A 91.1 | 4.000 DA 54.0 | 41-48-11 124-04-09 | 151.8 | 40.32 9.32 | 31 CLOSE | |
| K216FE LIC | CRESCENT CITY, ETC. CA BLFT-30915AGM | 216D 91.1 | 0.162 DA 28.0 | 41-45-26 124-12-02 | 168.7 | 41.44 0.00 | 0 TRANS | |
| K216AK LIC | BROOKINGS OR BLFT-850513TA | 216D 91.1 | 0.087 DA 354.0 | 42-02-39 124-13-52 | 147.5 | 10.40 0.00 | 0 TRANS | |
| KNYR LIC | YREKA CA BLED-951012KB | 217C2 91.3 | 0.400 721.0 | 41-36-36 122-37-26 | 111.8 | 150.29 44.29 | 106 CLEAR | |
| KMHS-FM LIC | COOS BAY OR BLED-80605AAW | 217C3 91.3 | 10.000 -10.0 | 43-22-07 124-12-11 | 3.2 | 138.59 49.59 | 89 CLEAR | |
| NEW APP | GLENDALE OR BNPED-71022AOM | 217A 91.3 | 0.038 DA 761.0 | 42-41-48 123-13-39 | 53.7 | 108.80 36.80 | 72 CLEAR | |
| K217BZ LIC | GRANTS PASS, ETC. OR BLFT-940915TC | 217D 91.3 | 0.040 DA 540.0 | 42-24-39 123-16-52 | 68.7 | 89.85 0.00 | 0 TRANS | |
| K217AF LIC | LANGLOIS OR BLFT-840921OK | 217D 91.3 | 0.087 DA 395.0 | 42-51-45 124-27-00 | 351.5 | 83.07 0.00 | 0 TRANS | |
| NEW APP | TILLER OR BNPED-71022AER | 217C3 91.3 | 0.040 571.0 | 42-46-20 123-00-40 | 55.2 | 128.16 39.16 | 89 CLEAR | |
| KNHM CP | BAYSIDE CA BPED-70201BRR | 218C3 91.5 | 0.500 DA 525.0 | 40-43-38 123-58-22 | 170.0 | 157.40 15.40 | 142 CLEAR | |
| KNHM LIC | BAYSIDE CA BLED-00418ABA | 218A 91.5 | 0.550 155.0 | 40-47-49 124-02-47 | 171.8 | 148.78 33.78 | 115 CLEAR | |
| NEW CP | BROOKINGS OR BNPED-71018AON | 218A 91.5 | 0.250 333.0 | 42-07-23 124-17-56 | 0.0 | 0.00 -115.00 | 115 SHORT | |

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SEARCH PARAMETERS

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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) |
|----------------|---------------------|----------------|------------------|--------------------|--------------------------|---------------------|-----------------|--------------|
| K218DP LIC | CAVE JUNCTION OR | BLFT-40901AAH | 218D 91.5 | 0.010 814.0 | DA 42-15-31 123-39-43 | 73.8 | 54.73 0.00 | 0 TRANS |
| K218AH LIC | GOLD BEACH OR | BLFT-821213MN | 218D 91.5 | 0.047 170.0 | DA 42-26-05 124-25-12 | 344.0 | 36.03 0.00 | 0 TRANS |
| KSRS LIC | ROSEBURG OR | BLED-910103KA | 218A 91.5 | 2.000 93.0 | 43-12-22 123-21-48 | 32.1 | 142.68 27.68 | 115 CLEAR |
| K219AM LIC | BANDON, ETC. OR | BLFT-850725TB | 219D 91.7 | 0.040 56.0 | DA 43-06-08 124-25-05 | 354.9 | 109.21 0.00 | 0 TRANS |
| KDOV LIC | MEDFORD OR | BLED-950811KB | 219C2 91.7 | 26.000 -111.0 | 42-17-44 122-48-15 | 80.6 | 124.91 18.91 | 106 CLEAR |
| KHSR LIC | CRESCENT CITY CA | BLED-990719KA | 220A 91.9 | 0.800 69.0 | 41-50-36 124-07-55 | 156.0 | 34.01 3.01 | 31 CLOSE |
| K220AJ LIC | GOLD BEACH OR | BLFT-820930IB | 220D 91.9 | 0.207 853.0 | DA 42-41-51 124-08-06 | 11.8 | 65.22 0.00 | 0 TRANS |
| NEW CP MOD | PORT ORFORD OR | BMPED-80917ADG | 220C3 91.9 | 2.000 244.0 | 42-51-53 124-26-54 | 351.6 | 83.30 41.30 | 42 CLEAR |

44444 END OF FM SPACING STUDY FOR CHANNEL 218 44444



