

**DELAWDER COMMUNICATIONS, INC.**

P.O. Box 1095  
Ashburn, Virginia 20146-1095  
(703) 299-9222

**ENGINEERING REPORT**

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**Muscatel, CA, Channel 262D FM Translator Application**

**ENGINEERING STATEMENT**

Juan Alberto Ayala ("Applicant") submits this technical minor amendment for its pending 1983 application for a new FM translator station at Muscatel, CA. The pending application file number is BNPFT-20030317HHA.

This filing includes a slight coordinate correction and a reduction in ERP. The changes are deemed a minor change pursuant to Section 74.1233(a) of the FCC Rules.

*LPFM Preclusion Study Results for the herein proposed facility are provided in the separate Exhibit 1 (Section 1, Question 5 of the FCC Form 349, as directed by the FCC).*

**CHANNEL STUDY**

Attached as Figure EE1 is a channel study for the proposed channel 262D facility. All required protections are met by contour non-overlap pursuant to Section 74.1204.

**CONTOUR OVERLAP SHOWING**

The service and interference contour distances that are listed on Figure EE1 use the worst-case (greatest) distance along any bearing for each facility, and also considers each protected station as omni-directional. No contour overlap using this worst-case test means no possible contour overlap when applying Section 73.313 methodology.

Figure EE2, attached, shows non-overlap between the service contour of KMAK from the interference contour of the proposed channel 262D facility. All contours were determined pursuant to Section 73.313 of the FCC Rules using a USGS 3 arc-second terrain database at one-degree radial intervals.

**SECTION 74.1204 CHANNEL STUDY****PROJECT: MUSCATEL,CA, 262D FROM PROPOSED SITE****STUDY COORDINATES: N 36-47-04.0; W 119-51-08.0(N D-M-S; W D-M-S)**

Call Docket	Channel FacilityID	Class Service	Frequency ERP	Status DA?	City HAAT	State RCAMSL	Country RCAGL	File Number
Latitude	Longitude			ASRN	Dist(km)	Dist(mi)	Azimuth	
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NEW 259 D FX 99.7 MHz APP SOUTH FRESNO CA US BNPFT-20030313AXH  
 - 144742 0.25 kW 46.4 m 119. m 37. m  
 N 36 42 42.00 W 119 49 59.00 1014644 8.26 km 5.13 mi 168.08°  
 BIG BROADCASTING, INC.

**NOTE: THIS IS ALSO A PENDING AUCTION 83 FMT APPLICATION AND A NEW MX TO THIS FACILITY IS NOT BEING CAUSED BY THIS AMENDMENT.**

NEW 261 D FX 100.1 MHz APP FRESNO CA US BNPFT-20030313BKC  
 - 138117 0.07 kW DA 87.1 m 166. m 80. m  
 N 36 44 16.10 W 119 47 38.40 1014629 7.34 km 4.56 mi 134.98°  
 BEST MEDIA, INC.

**NOTE: THIS IS ALSO A PENDING AUCTION 83 FMT APPLICATION AND A NEW MX TO THIS FACILITY IS NOT BEING CAUSED BY THIS AMENDMENT.**

NEW 261 D FX 100.1 MHz APP WEST FRESNO CA US BNPFT-20030313ATO  
 - 144667 0.25 kW 43.9 m 122. m 31. m  
 N 36 50 9.00 W 119 55 4.00 1017118 8.17 km 5.08 mi 314.41°  
 BIG BROADCASTING, INC.

**NOTE: THIS IS ALSO A PENDING AUCTION 83 FMT APPLICATION AND A NEW MX TO THIS FACILITY IS NOT BEING CAUSED BY THIS AMENDMENT.**

KMAK 262 A FM 100.3 MHz LIC ORANGE COVE CA US BLH-19900911KB  
 - 56145 0.072 kW 632. m 1036. m 12. m  
 N 36 44 45.00 W 119 16 58.00 - 51.02 km 31.70 mi 94.67°  
 KMAK-FM, LLC

**Protected Contour Dist: 28.7 km Prop 262D Interf Contour Dist: 24.3 km  
 Result: -2.0 km SHORT (WORST-CAST STUDY); See Contour Non-overlap Showing**

NEW 262 D FX 100.3 MHz APP CLOVIS CA US BNPFT-20030317LDY  
 - 140642 0.25 kW DA 39.4 m 150. m 40. m  
 N 36 49 30.30 W 119 41 26.50 - 15.10 km 9.39 mi 72.51°  
 MESOSPHERE BROADCASTING LIMITED PARTNERSHIP

**NOTE: THIS IS ALSO A PENDING AUCTION 83 FMT APPLICATION AND A NEW MX TO THIS FACILITY IS NOT BEING CAUSED BY THIS AMENDMENT.**

NEW 262 D FX 100.3 MHz APP MUSCATEL CA US BNPFT-20030317HHA  
 - 156181 0.1 kW 52.1 m 130. m 40. m  
 N 36 47 4.00 W 119 51 12.00 1014203 0.10 km 0.06 mi 270.00°  
 JUAN ALBERTO AYALA

**NOTE: THIS IS THE AUCTION 83 APPLICATION THAT IS BEING AMENDED BY THIS APPLICATION**

APRIL 16, 2013

**SECTION 74.1204 CHANNEL STUDY****PROJECT: MUSCATEL,CA, 262D FROM PROPOSED SITE****STUDY COORDINATES: N 36-47-04.0; W 119-51-08.0(N D-M-S; W D-M-S)**

Call	Channel	Class	Frequency	Status	City	State	Country	File Number
Docket	FacilityID	Service	ERP	DA?	HAAT	RCAMSL	RCAGL	
Latitude	Longitude			ASRN	Dist(km)	Dist(mi)	Azimuth	
Licensee/Permittee								

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NEW 263 D FX 100.5 MHz APP EAST FRESNO CA US BNPFT-20030317MAV  
 - 158044 0.25 kW 34.8 m 133. m 29. m  
 N 36 46 30.00 W 119 41 6.00 - 14.96 km 9.30 mi 93.98°  
 LEANN CONNELLY

**NOTE: THIS IS ALSO A PENDING AUCTION 83 FMT APPLICATION AND A NEW MX TO THIS FACILITY IS NOT BEING CAUSED BY THIS AMENDMENT.**

KMEN 263 A FM 100.5 MHz LIC MENDOTA CA US BLH-20070501AHF  
 - 88205 6. kW DA 44. m 108. m 56. m  
 N 36 38 50.00 W 120 21 2.00 - 47.06 km 29.24 mi 251.19°  
 CASA MEDIA PARTNERS, LLC

**Protected Contour Dist: 22.5 km Prop 262D Interf Contour Dist: 10.4 km  
 Result: 14.2 km CLEAR (WORST-CASE STUDY)**

NEW 264 D FX 100.7 MHz APP FRESNO CA US BNPFT-20030312ABT  
 - 138877 0.205 kW 89.8 m 170. m 81. m  
 N 36 42 15.00 W 119 44 31.00 1016428 13.28 km 8.25 mi 132.22°  
 LIVING PROOF, INC.

**NOTE: THIS IS ALSO A PENDING AUCTION 83 FMT APPLICATION AND A NEW MX TO THIS FACILITY IS NOT BEING CAUSED BY THIS AMENDMENT.**

Study Complete

**FIGURE EE2**  
**MUSCATEL, CA 262D Contour Non-Overlap Showing to KMAK**

