

SPACING NARRATIVE

This exhibit is submitted to demonstrate that this proposal fully complies with the interference criteria set forth in Section 73.509 and 73.515 of the Commission's rules. Attached as exhibits are a spacing study and maps demonstrating clearly that there is no prohibited overlap between this proposal and any other FM services. The attached FM spacing study demonstrates that this proposal would be fully spaced even as a full power Class A FM station to all but one other FM facility. The attached maps demonstrate that there is no prohibited contour overlap between this facility and the instant proposed FM NCE facility. Five NCE FM stations have also been included to better show no prohibited overlap. As demonstrated in these maps no prohibited overlap with these stations is predicted.

The six facilities that have been included on the attached maps are: FID 767768, 90.5, Bishop, CA; FID 765532, 91.1, Ridgecrest, CA; KLXY, 90.5, Woodlake, CA; KTQX, 90.1, Bakersfield, CA; KPFK, 90.7, Los Angeles, CA; and KWBP, 90.1, Big Pine, CA.

A map is included to show that 100 percent of the area the community of license, Cartago, CA, is within the required 60 dBu contour.

A scale of kilometers has been included on the maps. These maps were drawn to scale using the rfSoftware series of computer programs.

By: Kevin Fitzgerald, Chief Engineer

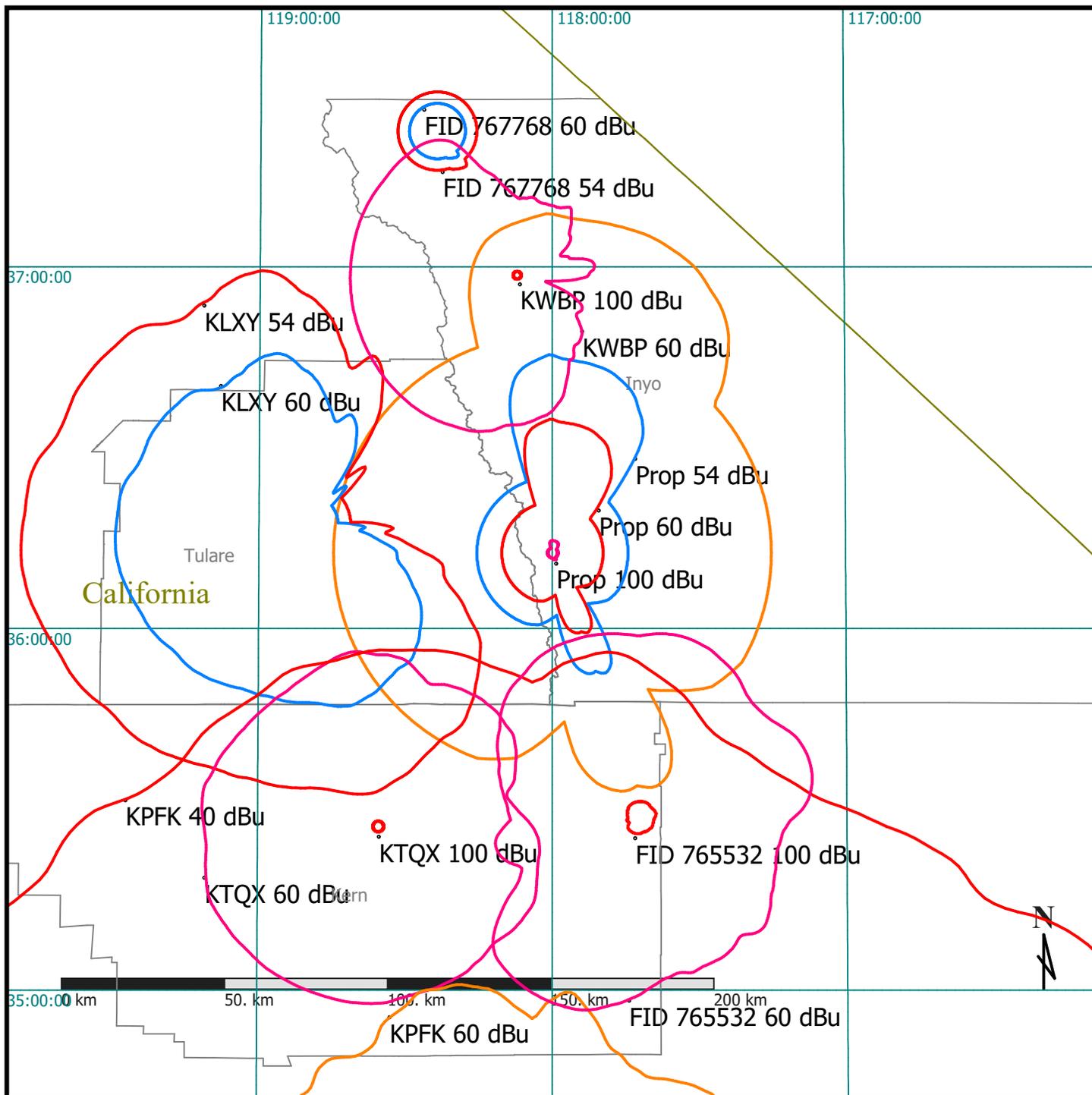
Kevin Fitzgerald
 Job: New NCE FM Cartago Amend.fmj
 Master Database: 2021_Nov_03.fmd
 Lat: N36:12:33 Lon: W117:59:57 NAD-83
 Channel: 214 Class: A
 Status: Licensed, Construction Permit, Application
 Channels: Co-Channel, 1st Adj, 2nd Adj, 3rd Adj, IF
 Range: 100 km
 Comments: No Comments
 Description: New NCE FM, 90.7, Cartago, CA; Spacing Study; see contour study for detail.

Callsign	Ser	City	State	Latitude (NAD8)	Longitude (NA)	Channel	Class	Stat	73	207	CIERP	HAAT	Adjacen	Distanc	Bear	73	215	CI
KLXY	FM	WOODLAKE	CA	N36:17:09	W118:50:18	213 : 90.5 MB	LIC	113	-37.10	0.85	761	1st Adj	75.90	276	75.90			
KTQX	FM	BAKERSFIEL	CA	N35:27:11	W118:35:28	211 : 90.1 MB	LIC	69	30.51	0.57	1104	3rd Adj	99.51	213	99.51			
KFRB	FM	BAKERSFIEL	CA	N35:26:17	W118:44:25	217 : 91.3 MB	LIC	69	39.67	0.00	417	3rd Adj	108.67	218	108.67			
KPFB	FM	LOS ANGELE	CA	N34:13:45	W118:04:06	214 : 90.7 MB	LIC	178	41.77	110.0	863	Co-Chan	219.77	182	219.77			
KFSR	FM	FRESNO	CA	N36:48:42	W119:44:47	214 : 90.7 MA	LIC	115	55.17	2.55	20	Co-Chan	170.17	293	170.17			
KDOX	FM	BIG PINE	CA	N37:24:42	W118:11:10	217 : 91.3 MB	LIC	69	65.46	0.17	926	3rd Adj	134.46	353	134.46			
KGZO	FM	SHAFTER	CA	N35:16:51	W119:44:56	215 : 90.9 MB	LIC	113	75.82	1.90	631	1st Adj	188.82	237	188.82			
K217DA	FM	RIDGECREST	CA	N35:28:41	W117:42:01	217 : 91.3 MDX	LIC	0	85.52	0.01	374	3rd Adj	85.52	162	85.52			
KFNO	FM	FRESNO	CA	N37:04:25	W119:25:56	212 : 90.3 MB	LIC	69	91.05	2.20	594	2nd Adj	160.05	307	160.05			
KGFM	FM	BAKERSFIEL	CA	N35:26:17	W118:44:25	268 : 101.5 B	LIC	15	93.67	6.70	396	IF	108.67	218	93.67			
K267CG	FM	PORTERVILL	CA	N36:05:46	W119:03:08	267 : 101.3 DX	LIC	0	95.59	0.00	0	IF	95.59	262	95.59			
K214ED	FM	BENA	CA	N35:27:10	W118:35:28	214 : 90.7 MDX	LIC	0	99.54	0.00	1104	Co-Chan	99.54	213	99.54			

Contour Analysis

Kevin Fitzgerald
Job: New NCE FM Cartago Amend.fmj
Master Database: 2021_Nov_03.fmd
Lat: N36:12:33 Lon: W117:59:57 NAD-83
Scale: 1:1750000
Channel: 214 Class: A
Status: Licensed, Construction Permit, Application
Channels:
Range: 100 km, Clearance: -0.5km
Comments: No Comments
Description: New NCE FM, 90.7, Cartago, CA; Contour Study showing spacings to: FID 767768, Bishop; FID 765532, Ridgecrest; KLXY, Woodlake; KTQX, Bakersfield; KPFK, Los Angeles; and KWBP, Big Pine.

rfInvestigator Version 3.8.16
by rfSoftware, Inc.
Date: 1/27/2022 1:19:24 AM
Key:
City Grade
Protected
Co-Channel
1st Adj
2nd/3rd Adj



Contour Analysis

Kevin Fitzgerald
Job: New NCE FM Cartago COL Amend.fmj
Master Database: 2021_Nov_03.fmd
Lat: N36:12:33 Lon: W117:59:57 NAD-83
Scale: 1:500000
Channel: 214 Class: A
Status: Licensed, Construction Permit, Application
Channels:
Range: 100 km, Clearance: -0.5km
Comments: No Comments
Description: New NCE FM, 90.7, Cartago, CA; COL Study

rfInvestigator Version 3.8.16
by rfSoftware, Inc.
Date: 1/27/2022 1:25:51 AM
Key:
City Grade
Protected
Co-Channel
1st Adj
2nd/3rd Adj

