Non-Interference Compliance
K288DR, Palm Springs, CA FAC# 72006
July 18, 2023

This exhibit demonstrates that the proposed facility complies with contour overlap and interference protection provisions in all of the applicable rule sections and that this application for a construction permit is in full compliance with 47 C.F.R. § 74.1204.

Let it be noted that should any actual real world interference occur, the applicant acknowledges that it will promptly suspend operation of this translator in accordance with 47 C.F.R. § 74.1203.

Page 2 of this exhibit is an explanation of the method used to demonstrate compliance with contour overlap and interference provisions based on 47 C.F.R. § 74.1204(d), which states:

> *[A]n application otherwise precluded by this section will be accepted if it can be demonstrated that no actual interference will occur due to intervening terrain, lack of population or such other factors as may be applicable.*

Page 3 of this exhibit contains the adjacent channel study created with ComStudy 2.2 which shows all co-channel, 1st adjacent, 2nd adjacent and 3rd adjacent to the proposal.

Page 4 of this exhibit is a Google Earth aerial photo of the vicinity surrounding the proposed translator's tower site with the plotted zone of predicted interference.

Compliance with 47 C.F.R. § 74.1204(d)

All authorized second and third adjacent stations with which the proposed translator has contour overlap are tabulated below. Column four show the station's signal level at the proposed translator's tower site, and column five gives the minimum value within the entire standard interfering contour of the proposed translator (100 dBµ for most classes, 94 for class B, 97 for class B1). The minimum second or third adjacent F(50,50) contour within the proposed translator's standard interfering contour was used to calculate the proposed translator's actual "worst-case" interfering contour.

File Number	Callsign	Contour at Tower	Min. Contour
BMLED-20170103ABT	KXLB	122.9	122.9
BLH-19981105KC	KPLM	91.0	91.0
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour			**91.0**

FCC 02-244 at Section II.A.5 states that "when demonstrating that 'no actual interference will occur due to . . . other factors,' pursuant to Section 74.1204(d), an applicant may use the undesired-to-desired signal ratio method." The undesired-to-desired ratio for second and third adjacent stations required by § 74.1204(a) is 40 dB. Since the minimum protected contour strength within the proposed translator's standard interference contour is **91.0 dBµ**, this makes the proposed translator's worst-case interfering contour **131.0 dBµ.** By the free-space equation, this contour is calculated to extend a maximum of **13.8m** from the transmit antenna.

Note: There are no occupied buildings within the zone of predicted interference, so in accordance with 47 C.F.R. § 74.1204(d) and the clarification provided by the FCC in the decision *Re: Living Way Ministries* (FCC 02-244), a lack of population has been demonstrated within the area of interference and this application is therefore in full compliance with 47 C.F.R. § 74.1204.

Antenna Manufacturer:	**BEXT**
Antenna Model:	**TFC2K @ 115°**
CORAGL:	**10 m**
Maximum ERP:	**0.065 kW**
Interfering Contour:	**131.0 dBµ**
Max Int. Contour Distance:	**13.8 m**

Adjacent Channel Study
W288DR, Palm Springs, CA FAC# 72006
7/18/2023

Callsign	State	City	Channel	ERP (W)	Class	Status	Distance (km)	Clr
KLXB	CA	BERMUDA DUNES	286	2050	A	LIC	0.16	-70.04 dB
KPLM	CA	PALM SPRINGS	291	50000	B	LIC	19.16	-38.12 dB
KXRS	CA	HEMET	289	170	A	LIC	49.57	0.07 dB
KXRS	CA	BEAUMONT	288	3100	A	CP MOD	53.16	-0.09 dB
KXRS	CA	HEMET	289	3000	A	LIC	53.75	4.41 dB
KXRS	CA	HEMET	289	170	A	APP	51.09	6.27 dB
XHBCE	BN	TECATE	289	100000	C1		173.39	11.28 dB
XHBCE*	BN	TECATE	289	100000	C1		173.39	11.68 dB
XHBCE-FM	BN	IATAMOROS JARAMILL	289	50000	B		159.73	17.35 dB
	BN	IATAMOROS JARAMILL	289	50000	B		159.73	18.28 dB
KPWR	CA	LOS ANGELES	290	25000	B	LIC	155.97	19.94 dB
KKGO	CA	LOS ANGELES	286	18000	B	LIC	156.12	19.94 dB
KKGO	CA	LOS ANGELES	286	18000	B	LIC	156.12	20.12 dB
KPWR	CA	LOS ANGELES	290	25000	B	LIC	166.04	22.79 dB
KPWR	CA	LOS ANGELES	290	25000	B	LIC	166.04	22.79 dB
KPWR	CA	LOS ANGELES	290	25000	B	LIC	166.04	22.79 dB
KWXZ-LP	CA	COACHELLA	236	50	LP100	LIC	31.76	24.8
KIOZ	CA	SAN DIEGO	287	26000	B	LIC	136.89	26.04 dB
KKGO	CA	LOS ANGELES	286	35000	B	LIC	166.01	26.57 dB
KKGO	CA	LOS ANGELES	286	3500	B	LIC	156.12	27.12 dB
K289CU	AZ	LAKE HAVASU CITY	289	250	D	CP MOD	215.56	30.22 dB
KPLM-FM2	CA	SAN JACINTO	291	250	D	LIC	48.16	30.84 dB
	BN	RUMOROSA	288	25000	B1		166.81	30.79 dB
	BN	ROSARITO	289	3000	A		180.84	31.04 dB
	BN	ENSENADA	290	100000	C		224	33.60 dB
K288DJ	CA	VICTORVILLE, ETC.	288	10	D	LIC	114.11	33.71 dB
KIOZ	CA	SAN DIEGO	287	8500	B	LIC	139.91	34.90 dB
KGIC-LP	CA	CORONA	288	59	LP100	LIC	98.52	34.20 dB
KPLM-FM1	CA	OSHUA TREE & TWENT	291	200	D	LIC	38.8	34.47 dB
XHSUFM	BN	MEXICALI	290	3000	A		161.53	37.73 dB
	BN	MEXICALI	290	3000	A		162.99	37.97 dB
XHSUFM	BN	MEXICALI	290	3000	A		161.53	37.50 dB
XHCMSFM	BN	IICHOACAN DE OCAMP	288	25000	B1		192.12	38.94 dB
XHCMSFM	BN	IICHOACAN DE OCAMP	288	25000	B1	CP	192.12	38.90 dB
KOAS-FM1	NV	HENDERSON	289	2500	D	LIC	278.93	38.26 dB
XHCMSFM	BN	IICHOACAN DE OCAMP	288	25000	B1		192.12	39.02 dB

Google Earth Photo
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There are no occupied buildings within the 13.8m zone of predicted interference surrounding the transmit site for this proposal.