

**ENGINEERING STATEMENT
CONCERNING 301 APPLICATION FOR
CHANGE IN COMMUNITY OF LICENSE
PRESENT NEW(FM) CH 252A RIDGECREST, CALIFORNIA
PROPOSED NEW (FM) CH 253A JOHANNESBURG, CALIFORNIA**

AUGUST 2010

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ENGINEERING STATEMENT CONCERNING 301 APPLICATION FOR CHANGE IN COMMUNITY OF LICENSE PRESENT NEW (FM) CH 252A RIDGECREST, CALIFORNIA PROPOSED NEW (FM) CH 253A JOHANNESBURG, CALIFORNIA

AUGUST 2010

Engineering Statement

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CHANGE IN COMMUNITY OF LICENSE
PRESENT NEW (FM) CH 252A RIDGECREST, CALIFORNIA
PROPOSED NEW (FM) CH 253A JOHANNESBURG, CALIFORNIA

AUGUST 2010

SUMMARY

The following engineering statement has been prepared on behalf of **Mt. Wilson FM Broadcasters, Inc.** (“**Mt. Wilson**”), applicant for a new FM station on Channel 252A at Ridgecrest, California, FCC ID 183344. **Mt. Wilson** proposes a community of license change for the proposed facility from Ridgecrest, California to Johannesburg, California. The facilities specified herein, and in FCC Form 301, Section III-B, are mutually exclusive with the presently proposed Ridgecrest and Johannesburg site coordinates and, thus, believed to be in compliance with the minor modification rules established in *MM Docket No. 05-210* released November 29, 2006.

The application public interest merits are summarized as follows:

1. The city of Ridgecrest, California has a population of 25,895 persons¹ and there are five licensed aural services licensed to Ridgecrest, California.
2. The CDP of Johannesburg, California has a population of 176 persons. One station KRAJ, Channel 265B1 is licensed to Johannesburg, California.
3. The proposed Channel 253A allotment site at Johannesburg, California complies with the Commission’s allocation spacing rules for a fully spaced Class A facility.
4. The proposed allotment at Johannesburg, California would bring a second local aural service to that community.

¹ All population data from 2000 U.S. Census unless otherwise stated.

POPULATION DATA – ALLOTMENT

The present CH 252A Ridgecrest, CA and proposed CH 253A Johannesburg, CA 70 dBu and 60 dBu allotment contour population data is listed below. The population data is based on 2000 Census data with the contour locations based on a constant radius appropriate for the class of FM facility:

<u>Facility</u>	<u>Population – Persons</u>		<u>Area – Sq. kM</u>	
	<u>70 dBu</u>	<u>60 dBu</u>	<u>70 dBu</u>	<u>60 dBu</u>
CH 252A Ridgecrest	31,464	31,903	803	2,460
CH 253A Johannesburg	283	15,010	803	2,460

POPULATION DATA – LICENSED & PROPOSED FACILITIES.

The present and proposed predicted 70 dBu and 60 dBu contour population data is listed below. The population data is based on 2000 Census data with the contour locations based on 72 evenly spaced radials computed using the RadioSoft 3 second (NGDC Based) terrain database for FM stations. Distances to FM contours were determined using the methodology found in 73.313.

<u>Facility</u>	<u>Population – Persons</u>		<u>Area – Sq. kM</u>	
	<u>70 dBu</u>	<u>60 dBu</u>	<u>70 dBu</u>	<u>60 dBu</u>
CH 252A Ridgecrest	28,340	31,855	490	1,504
CH 253A Johannesburg	21,192	32,079	790	2,487

PROTECTED AURAL SERVICE

Ridgecrest, California, the current community of license, has three (3) FM and two (2) AM stations licensed to the community. Johannesburg, California, the proposed community of license, currently has only one (1) aural outlet licensed to the community.

In no case is either community underserved and there are no white or gray areas. See *Figure 5 and Table III*. There are eight (8) FM and three (3) AM protected aural services which serve 100% of Ridgecrest and seven (7) FM and three (3) AM protected aural services which serve 100% of Johannesburg.

GAIN AND LOSS AREAS

The proposed community of license change proposes a new transmitter site which is mutually exclusive with the presently proposed facility in compliance with Section 73.3573(g)(2). There is an area of common overlap between these facilities. The common area will encompass 815 square kilometers and a population of 31,645 persons. The gain area will encompass 1,672 square kilometers and a population of 434 persons. The loss area will encompass 689 square kilometers and a population of 210 persons. There is a net gain in service to 224 persons in an additional 983 square kilometer area.

MULTIPLE OWNERSHIP

Mt. Wilson is the licensee of KKGO(FM), Los Angeles, CA and KGIL(AM), Beverly Hills, CA. It also holds a CP for a new FM station on CH 240A at Big Sur, CA and its wholly owned affiliate, Global Jazz, Inc., provides programming and support services to NCE FM station KKJZ, Long Beach, CA. There is no common overlap between either the present CH 252A Ridgecrest, CA or proposed new CH 253A Johannesburg, CA facilities, or any other **Mt. Wilson** facility, thus, the proposal is believed to comply with the requirements of Section 73.3555 of the Rules with respect to multiple ownership

CONCLUSION

The foregoing was prepared on behalf of **Mt. Wilson FM Broadcasters, Inc.** by Laura M. Mizrahi of *Communications Technologies, Inc.*, Marlton, New Jersey, whose qualifications are a matter of record with the Federal Communications Commission. The undersigned certifies, under penalty of perjury, that the statements herein are true and correct of her own knowledge, except such statements made on information and belief, and as to these statements she believes them to be true and correct.

Laura M. Mizrahi
for Communications Technologies, Inc.
Marlton, New Jersey
August 24, 2010

TABLE I

SECTION 73.207 ALLOCATION STUDY
AT PROPOSED ALLOTMENT REFERENCE SITE
CH 253A, JOHANNESBURG, CA

AUGUST 2010

ComStudy 2.2 search of channel 253 (98.5 MHz Class A) at 35-25-16.0 N, 117-29-15.0 W.

CALL	CITY	ST CHN CL	DIST	SEP	BRNG	CLEARANCE
NEW	JOHANNESBURG	CA 253 A	0.00	115.00	90.0	-115.0
NEW	JOHANNESBURG	CA 253 A	20.22	115.00	288.1	-94.8
NEW	RIDGECREST	CA 252 A	38.56	72.00	312.6	-33.4
KDFO	DELANO	CA 253 B1	143.24	143.00	274.6	0.2
KRXV	YERMO	CA 251 B	75.73	69.00	128.5	6.7
KRXV	YERMO	CA 251 B	75.73	69.00	128.5	6.7
KLUC-FM	LAS VEGAS	NV 253 C	233.84	226.00	73.0	7.8
KLUC-FM	LAS VEGAS	NV 253 C	233.84	226.00	73.0	7.8
K255BZ	CHINA LAKE, ETC.	CA 255 D	18.92	0.00	290.3	18.9
KDES-FM	CATHEDRAL CITY	CA 253 B	197.67	178.00	150.6	19.7
KDES-FM	CATHEDRAL CITY	CA 253 B	197.69	178.00	150.6	19.7
KDES-FM	CATHEDRAL CITY	CA 253 B	197.73	178.00	150.6	19.7
KDES-FM	CATHEDRAL CITY	CA 253 B	197.69	178.00	150.6	19.7
KDES-FM	CATHEDRAL CITY	CA 253 B	202.74	178.00	152.2	24.7

TABLE II

73.207 ALLOCATION STUDY
PROP. CH 253A (98.5 MHz)
JOHANNESBURG, CA

AUGUST 2010

ComStudy 2.2 search of channel 253 (98.5 MHz Class A) at 35-28-38.0 N, 117-41-58.0 W.

CALL	CITY	ST CHN CL	DIST	SEP	BRNG	CLEARANCE
NEW	JOHANNESBURG	CA 253 A	0.00	115.00	90.0	-115.0
NEW	JOHANNESBURG	CA 253 A	20.22	115.00	107.9	-94.8
NEW	RIDGECREST	CA 252 A	21.82	72.00	335.0	-50.2
KDFO	DELANO	CA 253 B1	123.65	143.00	272.3	-19.4 ¹
K255BZ	CHINA LAKE, ETC.	CA 255 D	1.52	0.00	78.2	1.5
KLUC-FM	LAS VEGAS	NV 253 C	250.70	226.00	75.6	24.7
KLUC-FM	LAS VEGAS	NV 253 C	250.70	226.00	75.6	24.7
KRXV	YERMO	CA 251 B	94.95	69.00	124.1	25.9
KRXV	YERMO	CA 251 B	94.95	69.00	124.1	25.9
KDES-FM	CATHEDRAL CITY	CA 253 B	213.03	178.00	146.8	35.0
KDES-FM	CATHEDRAL CITY	CA 253 B	213.09	178.00	146.8	35.1
KDES-FM	CATHEDRAL CITY	CA 253 B	213.02	178.00	146.8	35.0
KDES-FM	CATHEDRAL CITY	CA 253 B	213.03	178.00	146.8	35.0
KDES-FM	CATHEDRAL CITY	CA 253 B	217.73	178.00	148.4	39.7

¹ See 73.215 study in application

TABLE III

TABULATION OF EXISTING AURAL SERVICES
TO PRESENT CH 252A COL OF RIDGECREST, CALIFORNIA
AND PROP. CH 253A COL OF JOHANNESBURG, CALIFORNIA

AUGUST 2010

FM'S

CALL ARN LATITUDE	ST OWNER LONGITUDE	CITY HAAT:m AMSL:m	FREQ	CHN	CL	ERP	STAT
NEW JOHANNESBURG CA BNPH20091019ABE 35-28-38.0 N	JOHANNESBURG MOUNT WILSON FM BROADCASTERS, INC. 117-41-58.0 W	98.50000 416.990 1375.000				A 340.00	APP
PRIOR RIDGECREST CA BSFH20090625ADL 35-39-19.0 N	RIDGECREST MOUNT WILSON FM BROADCASTERS, INC. 117-48-06.0 W	98.30000 -43.162 795.400				A 6000.00	APP
KGBB CA BLH20070426AAC 34-58-45.0 N	EDWARDS ADELMAN BROADCASTING, INC. 118-10-02.0 W	103.90000 107.219 953.000				A 6000.00	LIC
KVVS CA BMLH20030516ACL 34-51-03.0 N	ROSAMOND CC LICENSES, LLC 118-09-22.0 W	105.50000 99.137 844.000				A 6000.00	LIC
KGMX CA BLH4944 34-44-41.0 N	LANCASTER HIGH DESERT BROADCASTING LLC 118-07-30.0 W	106.30000 43.482 765.000				A 3000.00	LIC
KQAV CA BLH19930908KD 34-52-27.0 N	ROSAMOND HIGH DESERT BROADCASTING LLC 118-16-24.0 W	93.50000 67.781 878.000				A 3000.00	LIC
KTLW CA Unknown or New CP BLED19970715KA 34-51-03.0 N	LANCASTER LIFE ON THE WAY COMMUNICATIONS, INC. 118-09-22.0 W	88.90000 86.137 831.000				A 5800.00	LIC
KTPI-FM CA BLH19880201KG 34-58-45.0 N	MOJAVE ALOHA STATION TRUST, LLC 118-10-02.0 W	97.70000 99.219 945.000				A 3000.00	LIC
KMYX-FM CA BLH19990823KB 35-11-45.0 N	ARVIN FARMWORKER EDUCATIONAL RADIO NETWORK, INC. 118-42-30.0 W	92.50000 237.218 942.000				A 1150.00	LIC

KUZZ-FM	CA	BAKERSFIELD	107.90000	B	6000.00	LIC
BLH19940302KD OWENS ONE COMPANY, INC						
35-26-20.0 N 118-44-24.0 W 409.227 1130.000						
KCEL	CA	MOJAVE	96.10000	A	630.00	LIC
BLH20081124AHR COLOMA MOJAVE, LLC						
35-05-38.0 N 118-16-00.0 W 251.376 1466.000						
KFRB	CA	BAKERSFIELD	91.30000	B	2800.00	LIC
BLED20050815AAD FAMILY STATIONS, INC.						
35-26-17.0 N 118-44-22.0 W 410.255 1132.000						
KVLI-FM	CA	LAKE ISABELLA	104.50000	A	200.00	LIC
BMLH20010112AAL ROBERT J. AND KATHERINE M. BOHN						
35-37-21.0 N 118-26-16.0 W 380.048 1628.000						
KKZQ	CA	TEHACHAPI	100.10000	A	340.00	LIC
BLH20001220AAT HIGH DESERT BROADCASTING LLC						
35-04-30.0 N 118-22-07.0 W 190.629 1549.000						
KSRY	CA	TEHACHAPI	103.10000	A	1900.00	LIC
BLH19921125KC CC LICENSES, LLC						
35-04-30.0 N 118-22-08.0 W 176.799 1535.000						
KCRY	CA	MOJAVE	88.10000	B1	10500.00	LIC
BLED20000518AAZ SANTA MONICA COMMUNITY COLLEGE DISTRICT						
35-07-20.0 N 118-12-25.0 W -29.087 1113.000						
KCNQ	CA	KERNVILLE	102.50000	A	130.00	LIC
BMLH19920113KC ROBERT J. & KATHERINE M. BOHN						
35-37-21.0 N 118-26-16.0 W 374.048 1622.000						
KRAB	CA	GREENACRES	106.10000	B1	25000.00	LIC
BLH19960126KA CC LICENSES, LLC						
35-21-33.0 N 118-43-45.0 W 105.913 668.000						
KISV	CA	BAKERSFIELD	94.10000	B	4500.00	LIC
BLH19960516KB AGM CALIFORNIA						
35-26-17.0 N 118-44-22.0 W 399.255 1121.000						
KGFM	CA	BAKERSFIELD	101.50000	B	6700.00	LIC
BLH19960516KC AGM CALIFORNIA						
35-26-17.0 N 118-44-22.0 W 389.255 1111.000						
KBLV	CA	TEHACHAPI	88.70000	B	390.00	LIC
BLED20091009AEF EDUCATIONAL MEDIA FOUNDATION						
35-27-11.0 N 118-35-25.0 W 1121.017 2348.000						
KTQX	CA	BAKERSFIELD	90.10000	B	570.00	LIC
BLED19961031KA RADIO BILINGUE, INC.						
35-27-11.0 N 118-35-25.0 W 1099.017 2326.000						

KWTY	CA	CARTAGO	94.50000	A	2000.00	LIC
BLH20071121AAA MARK A. MILLER						
36-19-16.0 N 118-01-22.0 W -593.701 1125.000						
KODV	CA	BARSTOW	89.10000	A	260.00	LIC
BLED20051227AAH ONDAS DE VIDA NETWORK, INC.						
34-58-17.0 N 117-02-22.0 W 221.531 1026.000						
KXXZ	CA	BARSTOW	95.90000	B1	8900.00	LIC
BLH20020318AAW DOS COSTAS COMMUNICATIONS CORPORATION						
34-51-22.0 N 117-03-00.0 W 153.542 922.000						
KHDR	CA	LENWOOD	96.90000	A	1000.00	LIC
BLH20040304ACM THE DRIVE LLC						
34-58-15.0 N 117-02-23.0 W 245.114 1048.000						
KDUC	CA	BARSTOW	94.30000	B1	4600.00	LIC
BLH19911031KC DOS COSTAS COMMUNICATIONS CORPORATION						
34-58-15.0 N 117-02-22.0 W 239.672 1043.000						
KBTW	CA	LENWOOD	104.50000	A	1100.00	LIC
BLH20000316ACA LAZER LICENSES, LLC						
34-58-15.0 N 117-02-22.0 W 233.672 1037.000						
KDUC	CA	BARSTOW	94.30000	B1	3000.00	LIC
BMLH19970616KB DOS COSTAS COMMUNICATIONS CORPORATION						
34-54-44.0 N 117-01-39.0 W -50.930 705.000						
KIXW-FM	CA	LENWOOD	107.30000	A	1000.00	LIC
BLH20000322ABH KHWY, INC.						
34-58-15.0 N 117-02-22.0 W 238.672 1042.000						
KGBM	CA	RANDBURG	89.70000	B	1800.00	LIC
BLED20031201ANV EDUCATIONAL MEDIA FOUNDATION						
35-28-39.0 N 117-41-58.0 W 401.240 1359.000						
KZLU	CA	INYOKERN	88.50000	B1	1000.00	LIC
BLED20080424ACC EDUCATIONAL MEDIA FOUNDATION						
35-28-39.0 N 117-41-58.0 W 402.240 1360.000						
KEPD	CA	RIDGECREST	104.90000	B1	1500.00	LIC
BLH20081128ABH ADELMAN BROADCASTING, INC.						
35-28-38.0 N 117-41-59.0 W 400.004 1357.000						
KRAJ	CA	JOHANNESBURG	100.90000	B1	1500.00	LIC
BLH20081128ABG ADELMAN BROADCASTING, INC.						
35-28-38.0 N 117-41-59.0 W 407.004 1364.000						
KWTD	CA	RIDGECREST	91.90000	B	7000.00	LIC
BLED20050621AAO LIVING PROOF INC						
35-28-38.0 N 117-41-58.0 W 396.990 1355.000						

KFRJ	CA	CHINA LAKE	91.10000	B	5500.00	LIC
BLED20080317AGX FAMILY STATIONS INC						
35-28-38.0 N 117-41-59.0 W 394.004 1351.000						
KSSI	CA	CHINA LAKE	102.70000	A	3000.00	LIC
BLH19950410KG SOUND ENTERPRISES						
35-39-06.0 N 117-40-58.0 W -9.920 727.000						
KMVE	CA	CALIFORNIA CITY	106.90000	A	2350.00	LIC
BMLH20050808AGI HIGH DESERT BROADCASTING LLC						
35-12-44.0 N 117-45-11.0 W 163.635 1025.000						
KZIQ-FM	CA	RIDGECREST	92.70000	A	3000.00	LIC
BLH20041210ABI JAMES KNUDSEN & DONNA KNUDSEN						
35-36-58.0 N 117-38-35.0 W -41.202 741.000						
KRXV	CA	YERMO	98.10000	B	1550.00	LIC
BMLH20040914AAI KHWY, INC.						
34-59-43.0 N 116-50-15.0 W 683.821 1400.000						
KIQQ-FM	CA	NEWBERRY SPRINGS	103.70000	A	6000.00	LIC
BLH20001219ABK MBR LICENSEE LLC						
34-53-07.0 N 116-53-45.0 W 89.913 845.000						
KRSX-FM	CA	YERMO	105.30000	B1	400.00	LIC
BLH19961018KC EDB VV LICENSE LLC						
34-59-44.0 N 116-50-16.0 W 695.924 1413.000						

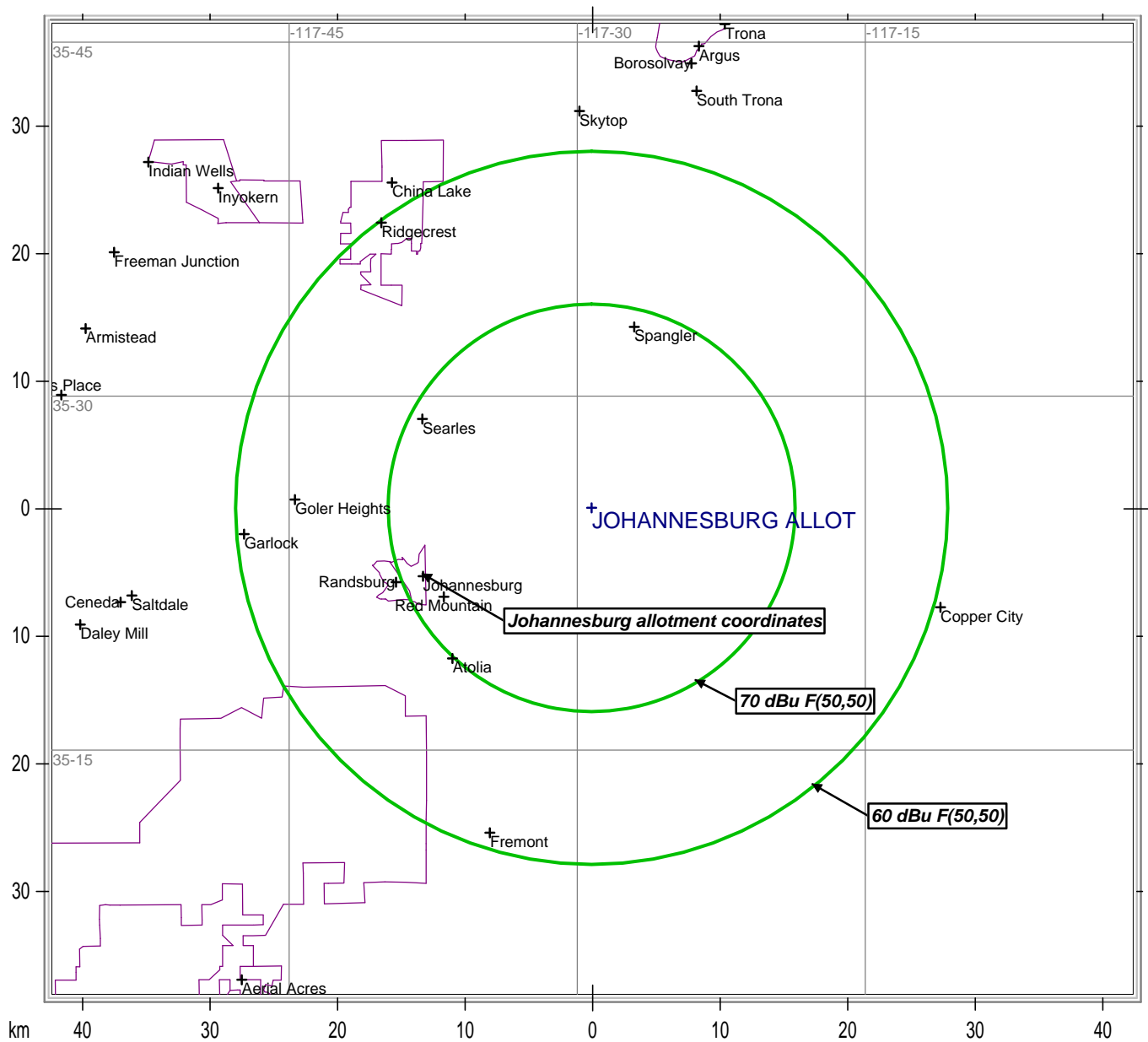
AM'S

CALL	ST	CITY	FREQ	PAT	AG	PWR	DESC
ARN		OWNER					
	LATITUDE	LONGITUDE					

KOSS	CA	LANCASTER	1380.00000	LD	AG	1.000	DAD
BL20070607AFA HIGH DESERT BROADCASTING LLC							
34-42-43.0 N 118-10-34.0 W							
KUTY	CA	PALMDALE	1470.00000	LD		5.000	DA2
BL19891206AF HIGH DESERT BROADCASTING LLC							
34-39-55.0 N 118-00-40.0 W							
KAVL	CA	LANCASTER	610.00000	LD	AG	4.900	DA2
BL19970612AA ALOHA STATION TRUST, LLC							
34-42-22.0 N 118-10-36.0 W							
KQAB	CA	LAKE ISABELLA	1140.00000	LD		1.000	NDD
BL20020917ABU ROBERT J. AND KATHERINE M. BOHN							
35-37-56.0 N 118-28-31.0 W							

KTPI	CA	MOJAVE	1340.00000	LU	1.000	ND1
BL		CC LICENSES, LLC				
35-02-23.0 N 118-08-57.0 W						
KIQQ	CA	BARSTOW	1310.00000	LD AG	5.000	DA2
BL		MBR LICENSEE LLC				
34-54-51.0 N 117-00-59.0 W						
KSZL	CA	BARSTOW	1230.00000	LU	1.000	ND1
BL		DOS COSTAS COMMUNICATIONS CORPORATION				
34-54-44.0 N 117-01-39.0 W						
KWDJ	CA	RIDGECREST	1360.00000	LD	1.000	ND1
BL		JAMES L. KNUDSEN & DONNA L. KNUDSEN				
35-36-58.0 N 117-38-35.0 W						
KLOA	CA	RIDGECREST	1240.00000	LU	0.820	ND1
BL19990302DG		ADELMAN BROADCASTING, INC.				
35-38-04.0 N 117-40-15.0 W						

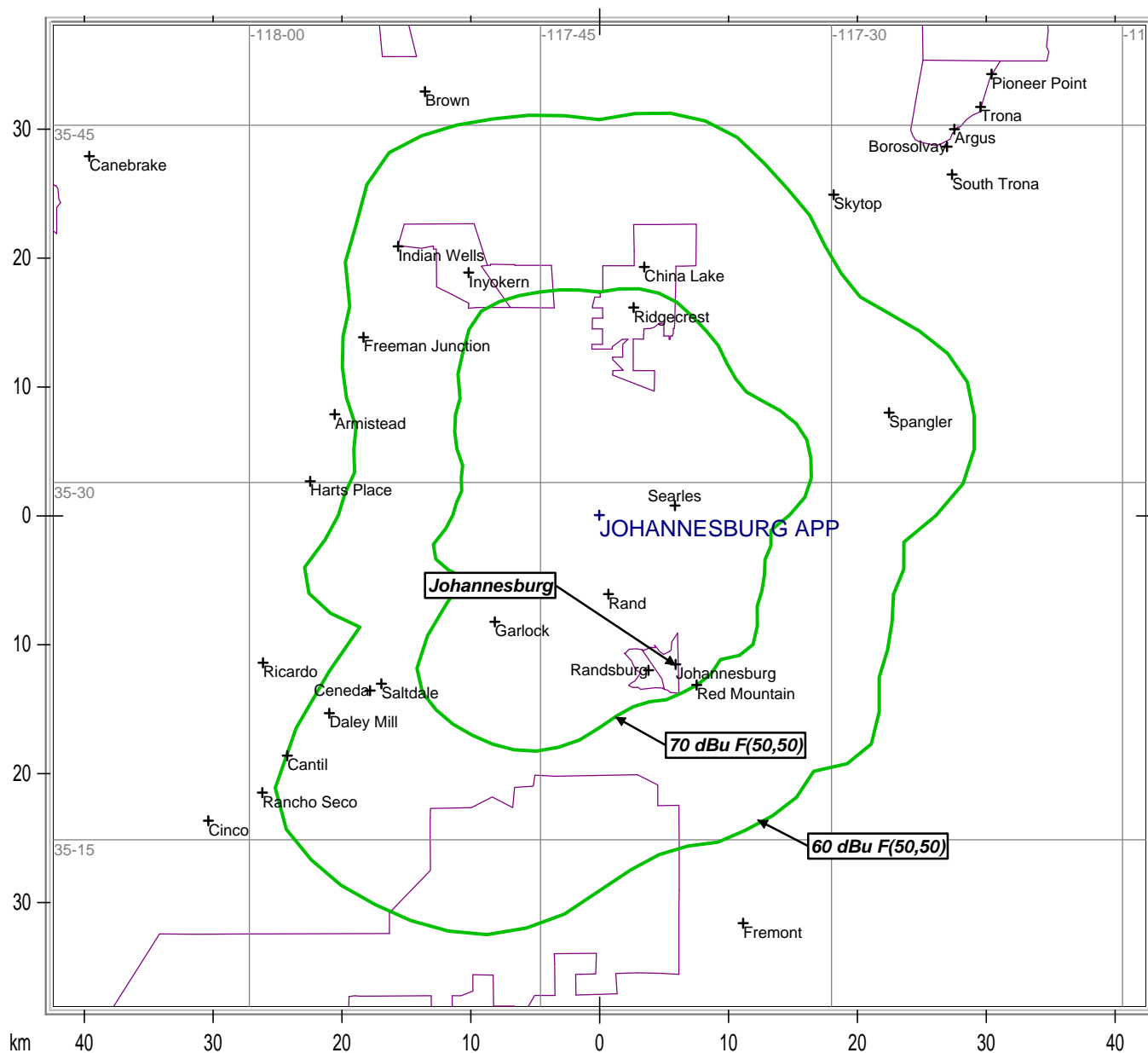
Prop. CH 253A, Johannesburg, CA, 6 kW @ 100 m HAAT



Communications Technologies, Inc. Marlton, New Jersey

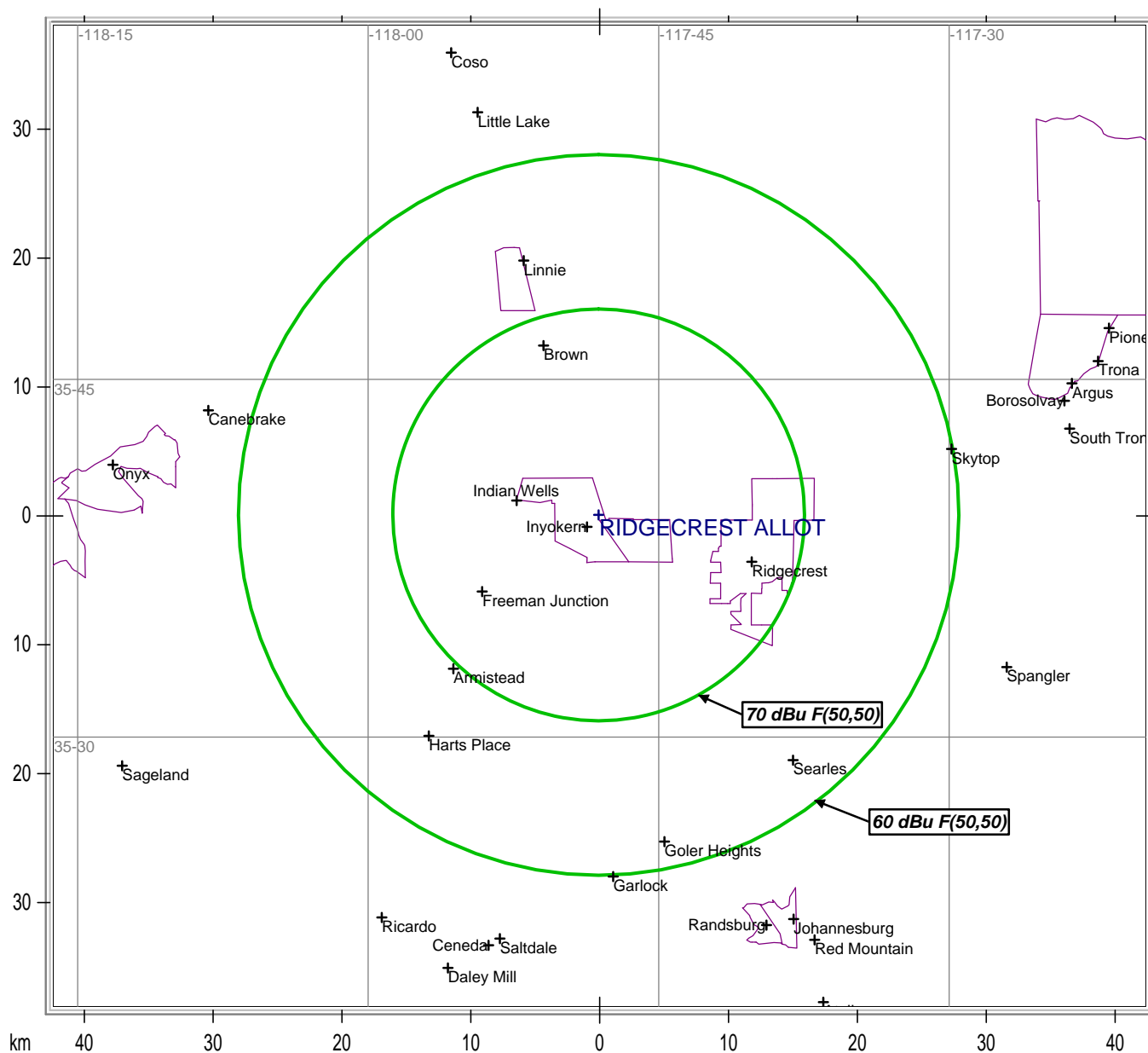
— National Borders — City Borders — Lat/Lon Grid

Prop. CH 253A, Johannesburg, CA, .34 kW @ 417 m HAAT, 375 m AMSL



Communications Technologies, Inc. Marlton, New Jersey

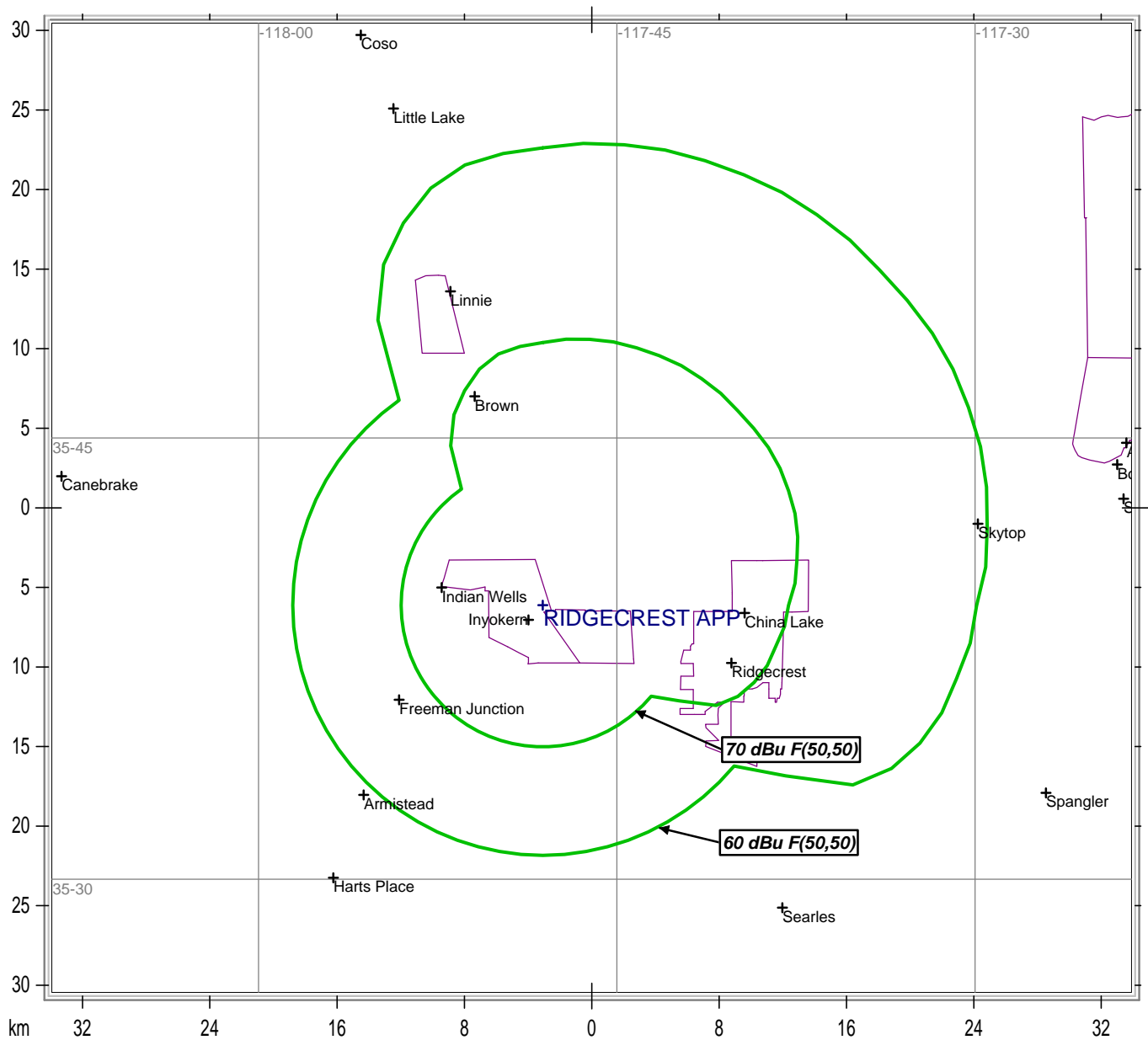
Present CH 252A, Ridgecrest, CA, 6 kW @ 100 m HAAT



Communications Technologies, Inc. Marlton, New Jersey

National Borders
 City Borders
 Lat/Lon Grid

Present CH 252A, Ridgecrest, CA, 6 kW @ -43 m HAAT, 795.4 m AMSL



Communications Technologies, Inc. Marlton, New Jersey

[illegible]

Communications Technologies, Inc. Marlton, New Jersey

 National Borders
 City Borders
 Lat/Lon Grid