

KSGG
FCC FACILITY # 762378
§307(b) Technical Analysis
Requesting City of License Change to
SOLEDAD, CA

This 307(b) technical report has been developed for Dimes Media in support of an application for minor modifications to KSGG (FCC Facility ID #762378) at King City, CA (16,528 - 2020 U.S. Census) requesting a change in city of license to Soledad, CA (population 24,925 - 2020 U.S. Census) as a fifth¹ local service providing a net 60 dBu increase of 83,738 (2020 U.S. Census) in an area of 2,639.9 sq km. King City retains local service from four locally licensed stations - KRKC(AM), KRDH(FM), KEXA(FM) and KRKC-FM..

Proposed terrain based service contour population and area (2020):

60 dBu = 99,209/ 2,759.7 sq km

70 dBu = 55,164/ 833.0 sq km

Gain-Loss area (exhibits A and B):

The KSGG modification results in a net gain of 83,738 (based on 2020 census data) in 60 dBu population and 2,639.9 sq km in area (see exhibit A).

Exhibit B demonstrates that the loss area is well served with at least 17 full-time services. The gain area is also well served with at least seventeen services. There are small net gains in 18th (+34), 19th (+16) and 20 or more services (98).

Urbanized areas (exhibit C):

The proposed KSGG 70 dBu contour can not encompass any Urbanized Area. Exhibit C demonstrates the limitations which prevent the 70 dBu even approaching the nearest Urbanized

¹ Existing locally licensed stations are KMBX on 700 kHz-U, KFRS on 210A, New 213B1 CP and KMJV on 292A.

Anderson Associates

Broadcast Engineering Consultants

Area - Salinas, CA..

Reception services (exhibits D and E):

Exhibit D shows a total of thirty-two (32) 60 dBu FM or 2 mV/m Day AM (16 FM + 16 AM) reception services to Soledad, CA after the KSGG move or a gain of one.

Exhibit E shows that King City, CA will retain twenty-one (21) (14 FM and 7 AM) reception services after the move with no change since KSGG continues to provide a 60 dBu over King City.

King City will continue to receive local licensed service from Four Stations:

KRKC(AM)	1400 kHz	#54554
KRDH	217A	#9863
KEXA	230B1	#67104
KRKC-FM	271B	#34885

Conclusion:

It is concluded that the modification of the KSGG site and change of community of license to Soledad, CA results in a priority four preferential arrangement of allocations with an increase in 60 dBu population served of 83,738 and an area of 2,639.9 sq km. The loss area is well served with at least seventeen (17) full-time services. It is also noted that there is no potential 70 dBu penetration of an Urbanized Area. King City does not lose any reception service and the 5th local licensed service at King City (16,528) which retains four licensed services becomes the 5th local service at a much larger city at Soledad, CA (24,925).

April 15, 2022



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KSGG-AP

Latitude: 36-22-58.80 N
Longitude: 121-25-43.90 W
ERP: 0.24 kW
Channel: 284
Frequency: 104.7 MHz
AMSL Height: 964.7 m
Elevation: 940.3 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

A-KSGG 60 dBu
GAIN-LOSS

60 dBu Gain Area = 85,833/ 2,759.7 sq km
Net Gain = 83,738/ 2,639.9 sq km

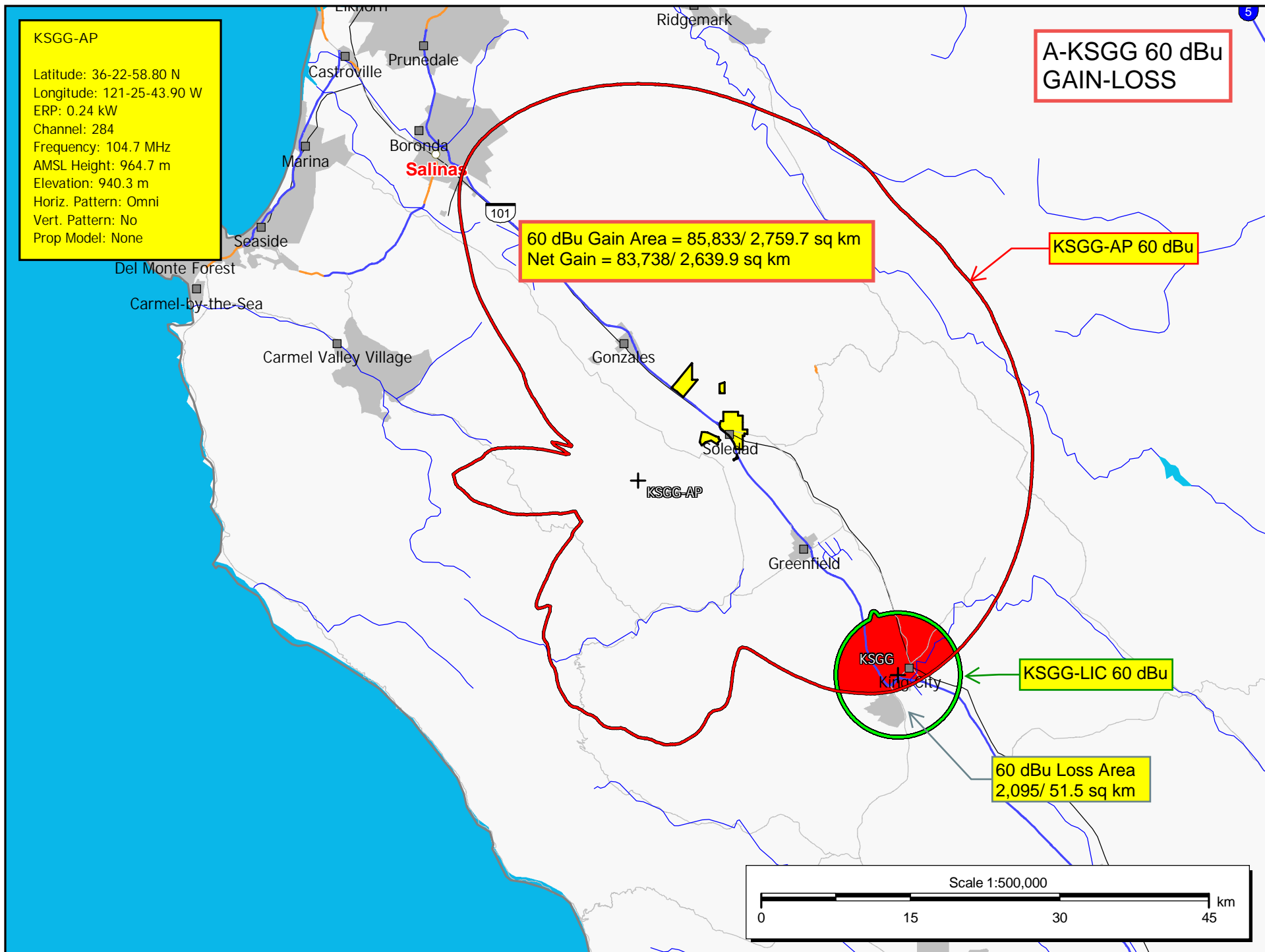
KSGG-AP 60 dBu

KSGG-LIC 60 dBu

60 dBu Loss Area
2,095/ 51.5 sq km

Scale 1:500,000

0 15 30 45 km



B-GAIN-LOSS SERVICES

Service Gain/Loss Population Report

Population Database: 2020 US Census (PL)

Proposed: Service Count: KSGG-AP

Existing: Service Count: KSGG-LIC

Gain Area Total Population: 85,833

Loss Area Total Population: 2,095

Common Area Total Population: 13,376

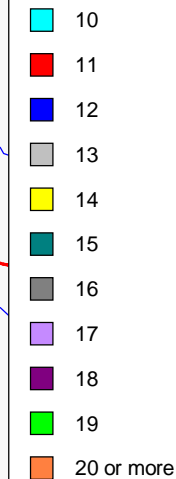
Net Gain in Total Population: 83,738

Services	Gain	Loss	Net Gain
0-9	0	0	0
10	0	0	0
11	0	0	0
12	0	0	0
13	0	0	0
14	60	0	60
15	0	0	0
16	20	0	20
17	19	0	19
18	34	744	-710
19	16	1,253	-1,237
20 or more	85,684		85,586

KSGG-LIC 60 dBu

KSGG-AP 60 dBu

Service Count

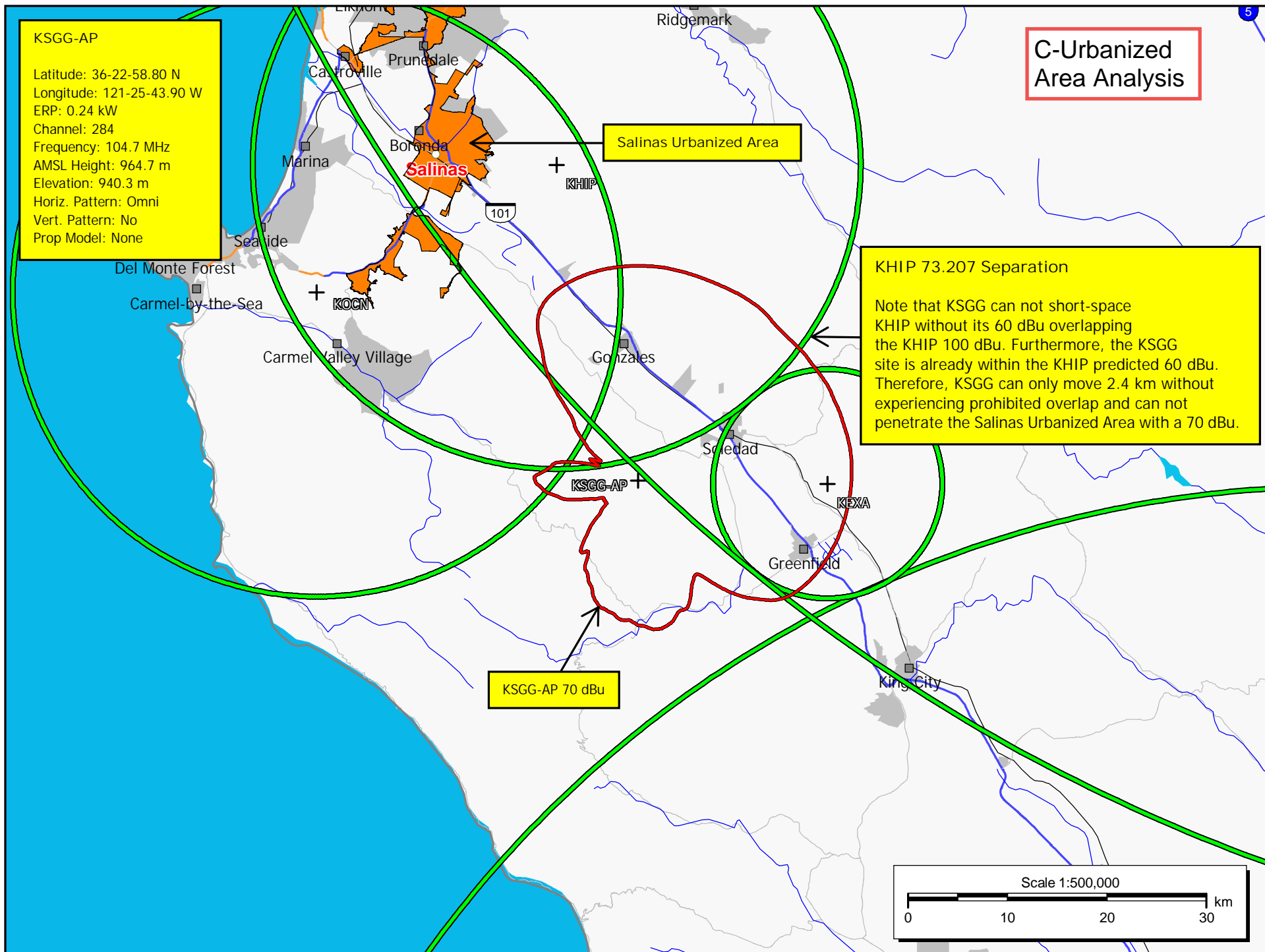


Scale 1:750,000



Call Sign	Lic	Chan.	Svc	Cls	City	ST	DA	Power
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REF	LIC	284		A	King City	CA		
KZSC	LIC	201	M	B	Santa Cruz	CA	Yes	20.0
KDKL	LIC	202	M	B	Coalinga	CA	Yes	1.4
KLVM	LIC	205	M	B	Santa Cruz	CA	No	1.25
KNVM	LIC	209	M	B	Prunedale	CA	Yes	0.45
KFRS	LIC	210	M	A	Soledad	CA	No	0.25
KCTZ	LIC	212	M	A	San Lucas	CA	No	0.6
KAZU	LIC	212	M	B1	Pacific Grove	CA	No	3.1
767193.C	CP	213	M	B1	Soledad	CA	Yes	0.25
KHDC	LIC	215	M	A	Chualar	CA	No	3.0
KZBV.C	CP	217	M	A	Carmel Valley	CA	Yes	0.07
KDRH	LIC	217	M	A	King City	CA	No	0.45
KNBX	LIC	219	M	B	San Ardo	CA	No	3.0
KTOM-FM	LIC	224	M	B1	Marina	CA	No	6.9
KXSM	LIC	226	M	A	Chualar	CA	No	2.5
KEXA	LIC	230	M	B1	King City	CA	No	5.4
KBAY	LIC	233	M	B	Gilroy	CA	Yes	44.0
KMLY	LIC	236	M	A	Gonzales	CA	Yes	6.0
KKHK	LIC	238	M	A	Carmel	CA	No	1.7
KWAV	LIC	245	M	B	Monterey	CA	No	18.0
KARW	LIC	250	M	B1	Salinas	CA	Yes	4.5
KSGZ	LIC	254	M	A	Greenfield	CA	No	2.5
KSQL	LIC	256	M	B	Santa Cruz	CA	Yes	1.1
KLOK-FM	LIC	258	M	B	Greenfield	CA	No	30.0
KBRG	LIC	262	M	B	San Jose	CA	No	14.5
KPRC-FM	LIC	264	M	B	Salinas	CA	No	1.4
KCDU	LIC	269	M	A	Carmel	CA	No	2.35
KRKC-FM	LIC	271	M	B	King City	CA	No	2.85
KDON-FM	LIC	273	M	B	Salinas	CA	No	15.0
KRAY-FM	LIC	278	M	A	Salinas	CA	No	2.5
KDFG	LIC	280	M	A	Seaside	CA	No	1.5
KHIP	LIC	282	M	A	Gonzales	CA	No	2.6
KOCN	LIC	286	M	A	Pacific Grove	CA	No	1.8
KMJV	LIC	292	M	A	Soledad	CA	No	4.7
KEZR	LIC	293	M	B	San Jose	CA	Yes	42.0
KSES-FM	LIC	296	M	A	Seaside	CA	No	1.75
KPIG-FM	LIC	298	M	A	Freedom	CA	No	5.4
KSEA	LIC	300	M	B1	Greenfield	CA	No	0.87
KMJ		580			FRESNO	CA		
KSUR		630			MONTEREY	CA		
KMBX		700			SOLEDAD	CA		
KION		1460			SALINAS	CA		
KDBV		980			SALINAS	CA		
KRKC		1490			KING CITY	CA		
KYAA		1200			SOQUEL	CA		
KZSJ		1120			SAN MARTIN	CA		
KTGE		1570			SALINAS	CA		
KRML		1410			CARMEL	CA		
KOMY		1340			LA SELVA BEACH	CA		
KAZA		1290			GILROY	CA		
KNBI		1240			MONTEREY	CA		
KKMC		880			GONZALES	CA		
KMPG		1520			HOLLISTER	CA		
KSCO		1080			SANTA CRUZ	CA		
KRXA		540			CARMEL VALLEY	CA		
KCBC		770			MANTECA	CA		
KLOK		1170			SAN JOSE	CA		
KTRB.C		860			SAN FRANCISCO	CA		
KNBR		680			SAN FRANCISCO	CA		
KGO		810			SAN FRANCISCO	CA		
KCBS		740			SAN FRANCISCO	CA		

B1 Services Station List



D-SOLEDAD RECEPTION SERVICES = 32 (16 AM + 16 FM)

KSGG moves results in a gain of 1.

FM 60 dBu Covering Soledad:

Call Sign	Principal City	State	Frequency (MHz)	FCC Facility ID
KSGG-AP	Soledad	CA	104.7	762378
NEW	Soledad	CA	90.5	767193
KLOK-FM	Greenfield	CA	99.5	49100
KMLY	Gonzales	CA	95.1	164096
KSGZ	Greenfield	CA	98.7	191509
KXSM	Chualar	CA	93.1	34526
KEXA	King City	CA	93.9	67104
KWAV	Monterey	CA	96.9	7714
KSEA	Greenfield	CA	107.9	68169
KMJV	Soledad	CA	106.3	54968
KDON-FM	Salinas	CA	102.5	26930
KHDC	Chualar	CA	90.9	54497
KPRC-FM	Salinas	CA	100.7	8204
KLVM	Santa Cruz	CA	88.9	51718
KHIP	Gonzales	CA	104.3	9858
KRAY-FM	Salinas	CA	103.5	33754

D-SOLEDAD RECEPTION SERVICES CONTINUED

AM 2 mV/m Day Covering Soledad

Call Sign	Principal City	State	Frequency (kHz)	FCC Facility ID
KMBX	Soledad	CA	700	64041
KKMC	Gonzales	CA	880	43603
KYAA	Soquel	CA	1200	60852
KTGE	Salinas	CA	1570	65375
KMJ	Fresno	CA	580	26923
KSUR	Monterey	CA	630	7721
KGO	San Francisco	CA	810	34471
KNBR	San Francisco	CA	680	35208
KSCO	Santa Cruz	CA	1080	41594
KCBS	San Francisco	CA	740	9637
KRRK	King City	CA	1490	54554
KCBC	Manteca	CA	770	34587
KMPG	Hollister	CA	1520	53658
KDBV	Salinas	CA	980	33755
KRXA	Carmel Valley	CA	540	9849
KZSJ	San Martin	CA	1120	30906

* 80% AM 2 mV/m Day or FM 60 dBU.

**E-KING CITY RECEPTION SERVICES = 21 (14FM + 7 AM)
(No Change)**

FM 60 dBu Covering King City

Call Sign	Principal City	State	Frequency (MHz)	FCC Facility ID
KSGG-AP	Soledad	CA	104.7	762378
KDRH	King City	CA	91.3	9863
KMJV	Soledad	CA	106.3	54968
KLOK-FM	Greenfield	CA	99.5	49100
KCTZ	San Lucas	CA	90.3	174362
KEXA	King City	CA	93.9	67104
KNBX	San Ardo	CA	91.7	51720
KRKC-FM	King City	CA	102.1	34885
KWAV	Monterey	CA	96.9	7714
KMLY	Gonzales	CA	95.1	164096
KSEA	Greenfield	CA	107.9	68169
KFRS	Soledad	CA	89.9	86669
KSGZ	Greenfield	CA	98.7	191509
KXSM	Chualar	CA	93.1	34526

AM 2 mV/m Covering King City

Call Sign	Principal City	State	Frequency (kHz)	FCC Facility ID
KRKC	King City	CA	1490	54554
KMBX	Soledad	CA	700	64041
KKMC	Gonzales	CA	880	43603
KMJ	Fresno	CA	580	26923
KYAA	Soquel	CA	1200	60852
KSUR	Monterey	CA	630	7721
KNBR	San Francisco	CA	680	35208

*80% 60 dBu or 2 mV/m Day area coverage.