

# Selma\_Interference\_Study.txt

Selma Interference Study  
5/20/2016

ComStudy 2.2 search of channel 264 (100.7 MHz Class D) at 36-34-09.0 N, 119-36-40.0 W.

CALL	CITY	ST	CHN	CL	DIST	SEP	BRNG	CLEARANCE
KNGS	COALINGA	CA	261	B	74.13	0.00	212.5	26.95 dB
K261EH	CLOVIS	CA	261	D	29.14	0.00	18.1	36.28 dB
NEW	WEST FRESNO	CA	261	D	40.33	0.00	317.4	29.58 dB
KNGS	COALINGA	CA	261	B	74.58	0.00	213.9	0.36 dB
KMAK	ORANGE COVE	CA	262	A	26.88	0.00	63.2	25.02 dB
NEW	MUSCATEL	CA	262	D	32.17	0.00	318.1	28.20 dB
KMAK	ORANGE COVE	CA	262	A	35.30	0.00	56.1	3.61 dB
KBRG	SAN JOSE	CA	262	B	207.95	0.00	287.5	39.17 dB
KBRG	SAN JOSE	CA	262	B	207.95	0.00	287.5	32.41 dB
KMQA	EAST PORTERVILLE	CA	263	B	121.32	0.00	134.2	36.94 dB
KMQA	EAST PORTERVILLE	CA	263	B	118.07	0.00	139.4	14.60 dB
KMEN	MENDOTA	CA	263	A	66.72	0.00	277.7	25.85 dB
KIBS	BISHOP	CA	264	B	158.12	0.00	53.0	36.65 dB
K252DO	MADERA	CA	264	D	62.20	0.00	318.9	26.19 dB
K264BP	WEST SONORA	CA	264	D	173.06	0.00	337.7	37.26 dB
K264AL	MERCED	CA	264	D	111.40	0.00	316.6	23.22 dB
KIBS	BISHOP	CA	264	B	158.12	0.00	53.0	26.21 dB
KPRC-FM	SALINAS	CA	264	B	179.95	0.00	269.4	34.49 dB
K265DK	GREENFIELD	CA	265	D	164.11	0.00	263.3	33.15 dB
KHMU	BUTTONWILLOW	CA	265	A	138.06	0.00	183.9	33.44 dB
KWYE	FRESNO	CA	266	B	40.13	0.00	356.2	7.19 dB
KWYE	FRESNO	CA	266	B	40.13	0.00	356.2	*
KSTT-FM	LOS OSOS-BAYWOOD PAR	CA	267	B	163.89	0.00	215.3	34.25 dB

\* The applicant request a waiver of 74.1204(d) due to no population within the interfering contour. The applicant proposes to operate at a height of 11 meters AGL at a power of 0.5 watts. Please see attached Field Strength Calculation Spreadsheet which shows that The field strength of the transmit signal is never more than 40 dB above that of KWYE when measured or calculated at a height of 2 meter above ground level. KWYE's predicted signal strength at the tower site for K211DA is 67.4 dBuV/m. 40 dB above this would be 107.4 dBuV/m. The maximum field strength 2 meters above ground from K211DA would be 107.2 dBuV/m. So, the interfering contour never touches the ground and doesn't encompass any people.