Carmel Valley 271
Exhibit E-1
Interference Study
April 25, 2010

ComStudy 2.2 search of channel 271 (102.1 MHz Class D)
at 36-33-09.0 N, 121-47-17.0 W.

CALL	CITY	ST	CHN	CL	DIST	SEP	BRNG	CLEARANCE
KCDU	CARMEL	CA	269	A	0.00	0.00	90.0	*
KCDU	CARMEL	CA	269	A	0.31	0.00	72.7	*
KDON-FM	SALINAS	CA	273	B	34.19	0.00	48.4	*
KDON-FM	SALINAS	CA	273	B	34.22	0.00	48.6	*
NEW	CARMEL VALLEY	CA	217	A	10.80	10.00	148.3	0.8
NEW	CARMEL VALLEY	CA	217	A	10.15	10.00	148.0	0.2
NEW	ROBLES DEL RIO	CA	217	A	10.81	10.00	148.3	0.8
KRKC-FM	KING CITY	CA	271	B	97.22	0.00	133.2	1.87 dB
KDFC-FM	SAN FRANCISCO	CA	271	B	157.25	0.00	336.7	6.21 dB
KDFC-FM	SAN FRANCISCO	CA	271	B	157.13	0.00	336.6	9.46 dB
KDFC-FM2	SAN FRANCISCO	CA	271	D	147.96	0.00	355.6	13.54 dB
K217CO	TULARCITOS & CARMEL	CA	217	D	16.82	0.00	143.3	16.8
K217EK	PALO COLORADO CANYON	CA	217	D	18.92	0.00	203.8	18.9
KRKC-FM	KING CITY	CA	271	B	90.44	0.00	129.3	30.21 dB
KDFC-FM	SAN FRANCISCO	CA	271	B	157.13	0.00	336.6	31.86 dB
K217CQ	SALINAS	CA	217	D	34.19	0.00	48.4	34.2
KHGE	FRESNO	CA	274	B	205.81	0.00	81.0	34.33 dB
KAMB	MERCED	CA	268	B	190.61	0.00	54.5	37.28 dB
NEW	STOCKTON	CA	271	D	161.44	0.00	16.5	37.92 dB
KLBN	FRESNO	CA	270	B	218.07	0.00	73.9	38.39 dB
KSFM	WOODLAND	CA	273	B	226.08	0.00	1.4	39.19 dB

* The applicant requests a waiver of 47 C.F.R. 74.1204(D) to operate on the 2nd adjacent channel to KCDU and KDON. The applicant proposes to operate at a well established hill top radio communication site for which several high power FM stations operate. Please refer to the attached topographic map in exhibit e-3. The applicant proposes to co-locate with 2nd adjacent KCDU for which the applicant's signal never exceeds KCDU's signal by 40 dBu, and therefore there will be no interference. The applicant's 120.5 dBu interfering contour is inside the 80.5 dBu contour of KDON. Furthermore, the applicant proposes uses a Scala CA5-FM/CP/RM antenna at the top of the tower 60 meters above ground. This antenna has a downward radiation from 90 degrees to 65 degrees that is 16 dB down from the forward radiation level. Therefore, the downward radiation will be less than 8 watts and the interfering 120.5 dBu contour will never touch the ground or extend past the transmitter site compound. Therefore, there will be no interference to KDON. Please see attached Exhibit E-4 showing that the proposed 120.5 dBu contour is inside KDON's 80.5 dBu contour. Also, please see attached Exhibit E-5 demonstrating the elevation pattern of the proposed Scala CA5-FM/CP/RM antenna.