

Exhibit 7
KNSJ, Descanso, CA
Transmitter Power Output Calculations
May 16, 2013

Call:	KNSJ
Community:	Descanso, CA
Date:	May 16, 2013
Site description:	Peak of Mt. Laguna, Mt. Laguna, CA
Freq:	89.1Mhz
Coax:	Andrew LDF4-50A
Length:	30m / 100ft
Coax Losses:	0.62db
Connectors	2 x 7/8" EIA
Connector Losses:	0.03db
Other losses:	none
Total losses:	0.65db (86.05% efficiency)
Antenna:	Shively 6025-1-Slant(38°)-DA
Bays:	1
Bay Spacing:	1
Antenna power gain:	H-pol: 3.79dbd / 2.443 power gain; V-pol 3.33dBd / 2.154 power gain
System ERP:	330w horizontal, 291w vertical
Transmitter Output:	160.2w (168w maximum; 144w minimum)

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