



Santa Maria Fire Department
314 W. Cook Street #8
Santa Maria, CA 93458
(805) 925-0951 Ext. 8533 □ (805) 928-4746 (Fax)
fireprevention@cityofsantamaria.org



TECHNICAL SPECIFICATION FOR THE EMERGENCY RESPONDER RADIO COMMUNICATIONS SYSTEM OPERATED BY THE CITY OF SANTA MARIA

The Emergency Responder radio system operated by the City of Santa Maria includes:

1. Two (2)-site simulcast Project 25 (Phase I & II) trunking system.
2. Single-site analog conventional repeater system.

All of the following radio frequencies are to be included in any active BD/DAS installations:

Downlink	Uplink	Type	Sites	ERP (W)
769.33125	799.33125	Trunking	2	87
770.53125	800.53125	Trunking	2	87
771.05625	801.05625	Trunking	2	87
771.43125	801.43125	Trunking	2	87
771.75625	801.75625	Trunking	2	87
772.06875	802.06875	Trunking	2	87

700 MHz Donor Sites:

Santa Maria Police Department, Latitude: 34.921829°, Longitude: -120.452221°
Los Flores Ranch, Latitude: 34.839600°, Longitude: -120.355682°

Downlink	Uplink	Type	Sites	ERP (W)
154.355	159.030	Conventional	1	150
154.725	159.090	Conventional	1	150
154.400	159.060	Conventional	1	150
155.100	159.165	Conventional	1	150

VHF Donor Site:

Prell Road, Latitude: 34.910827°, Longitude: -120.399957°

Radio Coverage Required: -95 dBm and DAQ 3.4 on 95% of each floor or level.
Maximum Uplink Gain: 65 dB unless otherwise authorized.

For additional information, please contact Battalion Chief Jim Clayton by e-mailing
jclayton@cityofsantamaria.org.