

# KWDS Proposed Facility Contour Details

Callsign : KWDS  
 Coordinates : 35-59-42.0 N, 119-58-06.0 W  
 Frequency (MHz): 89.9  
 HAAT (m): 75 AMSL (m): 203.00  
 ERP (w): 10000  
 City/State : KETTLEMAN CITY, CA  
 Licensee : CALVARY CHAPEL OF COSTA MESA, INC.

Contour type : F(50,10)  
 Signal strength : 54.000 dBu

Brg AT	HAAT	Dist		Brg AT	HAAT	Dist		Brg AT	HAAT	Dist		Brg AT
HAAT	Dist											
0	63	140	55.7	90	52	151	57.3	180	174	29	26.8	270
263	-60	26.8										
5	62	141	55.8	95	54	149	57.0	185	179	24	26.8	275
278	-75	26.8										
10	62	141	55.8	100	55	148	56.8	190	183	20	26.8	280
291	-88	26.8										
15	61	142	56.0	105	56	147	56.7	195	190	13	26.8	285
293	-90	26.8										
20	61	142	56.0	110	57	146	56.6	200	196	7	26.8	290
281	-78	26.8										
25	59	144	56.3	115	60	143	56.1	205	200	3	26.8	295
254	-51	26.8										
30	53	150	57.1	120	62	141	55.8	210	203	0	26.8	300
222	-19	26.8										
35	48	155	57.8	125	64	139	55.6	215	208	-5	26.8	305
192	11	26.8										
40	48	155	57.8	130	67	136	55.1	220	213	-10	26.8	310
166	37	29.6										
45	47	156	58.0	135	72	131	54.4	225	220	-17	26.8	315
140	63	40.1										
50	46	157	58.1	140	77	126	53.7	230	227	-24	26.8	320
119	84	45.9										
55	46	157	58.1	145	85	118	52.6	235	229	-26	26.8	325
105	98	49.1										
60	44	159	58.4	150	94	109	51.2	240	237	-34	26.8	330
96	107	50.8										
65	43	160	58.5	155	109	94	48.3	245	247	-44	26.8	335
88	115	52.1										
70	42	161	58.7	160	126	77	44.1	250	254	-51	26.8	340
81	122	53.2										
75	43	160	58.5	165	140	63	40.1	255	259	-56	26.8	345
75	128	54.0										
80	44	159	58.4	170	146	57	38.1	260	257	-54	26.8	350
67	136	55.1										
85	46	157	58.1	175	162	41	31.5	265	259	-56	26.8	355
64	139	55.6										

Contour type : F(50,50)  
 Signal strength : 60.000 dBu

Brg	AT	HAAT	Dist	Brg	AT	HAAT	Dist	Brg	AT	HAAT	Dist	Brg	AT
HAAT	Dist												
0	63	140	37.1	90	52	151	38.4	180	174	29	18.1	270	
263	-60	18.1											
5	62	141	37.2	95	54	149	38.1	185	179	24	18.1	275	
278	-75	18.1											
10	62	141	37.2	100	55	148	38.0	190	183	20	18.1	280	
291	-88	18.1											
15	61	142	37.3	105	56	147	37.9	195	190	13	18.1	285	
293	-90	18.1											
20	61	142	37.3	110	57	146	37.8	200	196	7	18.1	290	
281	-78	18.1											
25	59	144	37.5	115	60	143	37.4	205	200	3	18.1	295	
254	-51	18.1											

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30	53	150	38.3	120	62	141	37.2	210	203	0	18.1	300
222	-19	18.1										
35	48	155	38.9	125	64	139	36.9	215	208	-5	18.1	305
192	11	18.1										
40	48	155	38.9	130	67	136	36.6	220	213	-10	18.1	310
166	37	20.0										
45	47	156	39.0	135	72	131	36.0	225	220	-17	18.1	315
140	63	25.7										
50	46	157	39.1	140	77	126	35.4	230	227	-24	18.1	320
119	84	29.2										
55	46	157	39.1	145	85	118	34.5	235	229	-26	18.1	325
105	98	31.6										
60	44	159	39.3	150	94	109	33.3	240	237	-34	18.1	330
96	107	33.0										
65	43	160	39.4	155	109	94	30.9	245	247	-44	18.1	335
88	115	34.1										
70	42	161	39.5	160	126	77	28.1	250	254	-51	18.1	340
81	122	34.9										
75	43	160	39.4	165	140	63	25.7	255	259	-56	18.1	345
75	128	35.6										
80	44	159	39.3	170	146	57	24.6	260	257	-54	18.1	350
67	136	36.6										
85	46	157	39.1	175	162	41	21.0	265	259	-56	18.1	355
64	139	36.9										

Contour type : F(50,10)  
Signal strength : 100.000 dBu

Signal Strength				100.000 dbu								
Brg AT	HAAT	Dist		Brg AT	HAAT	Dist		Brg AT	HAAT	Dist		Brg AT
HAAT	Dist											
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0	63	140	3.7	90	52	151	3.8	180	174	29	1.9	270
263	-60	1.9										
5	62	141	3.7	95	54	149	3.8	185	179	24	1.9	275
278	-75	1.9										
10	62	141	3.7	100	55	148	3.8	190	183	20	1.9	280
291	-88	1.9										
15	61	142	3.7	105	56	147	3.8	195	190	13	1.9	285
293	-90	1.9										
20	61	142	3.7	110	57	146	3.8	200	196	7	1.9	290
281	-78	1.9										
25	59	144	3.7	115	60	143	3.7	205	200	3	1.9	295
254	-51	1.9										
30	53	150	3.8	120	62	141	3.7	210	203	0	1.9	300
222	-19	1.9										
35	48	155	3.9	125	64	139	3.7	215	208	-5	1.9	305
192	11	1.9										
40	48	155	3.9	130	67	136	3.6	220	213	-10	1.9	310
166	37	2.0										
45	47	156	3.9	135	72	131	3.6	225	220	-17	1.9	315
140	63	2.6										
50	46	157	3.9	140	77	126	3.5	230	227	-24	1.9	320
119	84	2.9										
55	46	157	3.9	145	85	118	3.4	235	229	-26	1.9	325
105	98	3.1										
60	44	159	3.9	150	94	109	3.3	240	237	-34	1.9	330
96	107	3.3										
65	43	160	3.9	155	109	94	3.1	245	247	-44	1.9	335
88	115	3.4										
70	42	161	3.9	160	126	77	2.8	250	254	-51	1.9	340
81	122	3.5										
75	43	160	3.9	165	140	63	2.6	255	259	-56	1.9	345
75	128	3.5										
80	44	159	3.9	170	146	57	2.5	260	257	-54	1.9	350
67	136	3.6										
85	46	157	3.9	175	162	41	2.1	265	259	-56	1.9	355
64	139	3.7										

Contour type : F(50,10)

KWDS Proposed Facility Contour Details

Signal strength : 40.000 dBu											
Brg AT	HAAT	Dist	Brg AT	HAAT	Dist	Brg AT	HAAT	Dist	Brg AT	HAAT	Dist
HAAT	Dist										
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0	63	140	101.4	90	52	151	103.1	180	174	29	80.3
263	-60	80.3									
5	62	141	101.5	95	54	149	102.8	185	179	24	80.3
278	-75	80.3									
10	62	141	101.5	100	55	148	102.6	190	183	20	80.3
291	-88	80.3									
15	61	142	101.7	105	56	147	102.5	195	190	13	80.3
293	-90	80.3									
20	61	142	101.7	110	57	146	102.3	200	196	7	80.3
281	-78	80.3									
25	59	144	102.0	115	60	143	101.8	205	200	3	80.3
254	-51	80.3									
30	53	150	102.9	120	62	141	101.5	210	203	0	80.3
222	-19	80.3									
35	48	155	103.7	125	64	139	101.2	215	208	-5	80.3
192	11	80.3									
40	48	155	103.7	130	67	136	100.7	220	213	-10	80.3
166	37	82.5									
45	47	156	103.8	135	72	131	99.9	225	220	-17	80.3
140	63	88.5									
50	46	157	104.0	140	77	126	99.2	230	227	-24	80.3
119	84	92.3									
55	46	157	104.0	145	85	118	98.0	235	229	-26	80.3
105	98	94.7									
60	44	159	104.3	150	94	109	96.5	240	237	-34	80.3
96	107	96.2									
65	43	160	104.4	155	109	94	94.0	245	247	-44	80.3
88	115	97.5									
70	42	161	104.5	160	126	77	91.1	250	254	-51	80.3
81	122	98.6									
75	43	160	104.4	165	140	63	88.5	255	259	-56	80.3
75	128	99.5									
80	44	159	104.3	170	146	57	87.3	260	257	-54	80.3
67	136	100.7									
85	46	157	104.0	175	162	41	83.6	265	259	-56	80.3
64	139	101.2									