

Floating Contour Spreadsheet

Proposed Station New Xltr @104.9 @ KRDG
Protected Station: KRDG

dBu @ proposed location: 150
Proposed RCAGL (m) 33.5
Proposed ERP (W) 200

Depression Angle	Distance to contour (m)	E (v/m)	dBu	Distance from Contour Height (m)	
0	3	28.602	149.1	3.0	33.5
5	2.5	32.778	150.3	2.5	33.3
10	2.3	31.599	150.0	2.3	33.1
15	1.9	31.387	149.9	1.8	33.0
20	1.4	31.503	150.0	1.3	33.0
30	0.4	31.104	149.9	0.3	33.3
40	0.25	32.949	150.4	0.2	33.3
50	0.4	33.893	150.6	0.3	33.2
60	0.33	32.502	150.2	0.2	33.2
70	0.25	33.636	150.5	0.1	33.3
80	0.28	31.258	149.9	0.0	33.2
90	0.28	31.258	149.9	0.0	33.2

Calculated EIRP 328

Scala 2 Bay CA5-FM/CP/RM 1/4 wave offset at 290 deg AZ

Depression angle	EL Field	Az Field	EIRP @ Angle
0	1	0.865	245.4178
5	0.955	0.865	223.827169
10	0.847	0.865	176.0649385
15	0.695	0.865	118.5429328
20	0.514	0.865	64.83840109
30	0.145	0.865	5.159909245
40	0.096	0.865	2.261770445
45	0.146	0.865	5.231325825
50	0.158	0.865	6.126609959
60	0.125	0.865	3.834653125
70	0.098	0.865	2.356992551
80	0.102	0.865	2.553326791
90	0.102	0.865	2.553326791