

Floating Contour Spreadsheet

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

dBu @ proposed location: 117.5
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	115	0.746	117.5	115.0	33.5
5	109	0.752	117.5	108.6	24.0
10	97	0.749	117.5	95.5	16.7
15	79.5	0.750	117.5	76.8	12.9
20	59	0.748	117.5	55.4	13.3
30	16.5	0.754	117.5	14.3	25.3
40	11	0.749	117.5	8.4	26.4
50	18	0.753	117.5	11.6	19.7
60	14.3	0.750	117.5	7.2	21.1
70	11.2	0.751	117.5	3.8	23.0
80	11.7	0.748	117.5	2.0	22.0
90	11.7	0.748	117.5	0.0	21.8

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