

ONDAS – CR/C/2052

TABLE

ELEVATION DEGREES VS SPREADING LOSS

sat1		sat2		sat3	
elevation degrees	spreading losses	elevation degrees	spreading losses	elevation degrees	spreading losses
0.49	-160.74	65.17	-163.27	80.12	-164.62
2.99	-160.81	63.37	-163.18	79.70	-164.66
5.58	-160.87	61.49	-163.09	79.28	-164.69
8.23	-160.95	59.55	-163.00	78.88	-164.72
10.93	-161.03	57.55	-162.90	78.49	-164.75
13.66	-161.11	55.48	-162.81	78.13	-164.77
16.42	-161.20	53.35	-162.71	77.80	-164.79
19.18	-161.29	51.16	-162.61	77.51	-164.81
21.93	-161.38	48.90	-162.51	77.25	-164.83
24.68	-161.47	46.60	-162.41	77.03	-164.84
27.40	-161.57	44.23	-162.30	76.86	-164.86
30.09	-161.67	41.82	-162.20	76.72	-164.86
32.76	-161.77	39.35	-162.10	76.62	-164.87
35.38	-161.87	36.83	-162.00	76.57	-164.87
37.96	-161.98	34.27	-161.89	76.56	-164.87
40.49	-162.08	31.67	-161.79	76.59	-164.87
42.98	-162.18	29.02	-161.69	76.67	-164.86
45.41	-162.29	26.35	-161.59	76.78	-164.86
47.79	-162.39	23.65	-161.50	76.93	-164.84
50.11	-162.49	20.94	-161.40	77.13	-164.83
52.38	-162.59	18.21	-161.31	77.35	-164.81
54.58	-162.69	15.48	-161.22	77.61	-164.79
56.73	-162.79	12.76	-161.13	77.90	-164.77
58.81	-162.89	10.06	-161.05	78.22	-164.75
60.83	-162.99	7.40	-160.97	78.56	-164.72
62.79	-163.08	4.79	-160.90	78.90	-164.69
64.68	-163.17	2.25	-160.83	79.26	-164.66
66.50	-163.26	-0.20	-160.76	79.61	-164.62
68.24	-163.35	-2.54	-160.70	79.94	-164.58
69.92	-163.44	-4.75	-160.65	80.23	-164.54
71.52	-163.53	-6.79	-160.60	80.48	-164.50
73.03	-163.61	-8.64	-160.55	80.65	-164.45
74.46	-163.69	-10.29	-160.52	80.73	-164.40
75.79	-163.77	-11.69	-160.48	80.70	-164.35
77.02	-163.84	-12.84	-160.46	80.54	-164.29
78.14	-163.91	-13.70	-160.44	80.24	-164.24
79.14	-163.98	-14.27	-160.43	79.79	-164.18
79.99	-164.05	-14.52	-160.42	79.19	-164.11

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sat1		sat2		sat3	
elevation degrees	spreading losses	elevation degrees	spreading losses	elevation degrees	spreading losses
80.69	-164.12	-14.47	-160.42	78.44	-164.05
81.23	-164.18	-14.09	-160.42	77.56	-163.98
81.60	-164.24	-13.41	-160.44	76.56	-163.91
81.80	-164.30	-12.44	-160.45	75.44	-163.84
81.84	-164.35	-11.19	-160.48	74.20	-163.76
81.75	-164.40	-9.68	-160.51	72.87	-163.68
81.54	-164.45	-7.95	-160.54	71.45	-163.60
81.24	-164.50	-6.01	-160.59	69.94	-163.52
80.89	-164.54	-3.88	-160.63	68.35	-163.44
80.49	-164.59	-1.61	-160.69	66.68	-163.35
80.07	-164.62	0.79	-160.75	64.94	-163.26
79.65	-164.66	3.30	-160.81	63.13	-163.17
79.23	-164.69	5.90	-160.88	61.24	-163.08
78.83	-164.72	8.56	-160.96	59.29	-162.98

Spectrum Mask 25 MHz Uplink Signal

The spectrum mask for the 25 MHz uplink emission is illustrated below. Up to 14 signals conforming to the tighter mask in the figure below (bold line) are contained within the 25 MHz emission bandwidth at center frequencies given by:

$$f_c = 0.875 + (n - 1) * 1.75$$

where:

f_c = center frequency above emission band edge, MHz
 n = 1 to 14

