

Minimum antenna cable length requirements for FCC compliance

used with ORION and Original BuckEye Cam

Gain (dBi)	Minimum Required Cable Length, ft			
	ORION		Original BuckEye Cam	
	CA-200	CA-400	CA-200	CA-400
<6	0	0	0	0
6	0	0	0	0
6.5	0	0	0	0
7	0	0	0	0
7.5	5.05	12.82	0	0
8	10.1	25.64	0	0
8.5	15.15	38.46	0	0
9	20.2	51.28	0	0
9.5	25.25	64.1	0	0
10	30.3	76.92	0	0
10.5	35.35	89.74	0	0
11	40.4	102.56	0	0
11.5	45.45	115.38	0	0
12	50.51	128.21	0	0
12.5	55.56	141.03	0	0
13	60.61	153.85	0	0
13.5	65.66	166.67	0	0
14	70.71	179.49	0	0
14.5	75.76	192.31	0	0
15	80.81	205.13	0	0
15.5	85.86	217.95	0	0
16	90.91	230.77	0	0
16.5	95.96	243.59	0	0
17	101.01	256.41	0	0
17.5	106.06	269.23	5.05	12.82
18	111.11	282.05	10.1	25.64
18.5	116.16	294.87	15.15	38.46
19	121.21	307.69	20.2	51.28
19.5	126.26	320.51	25.25	64.1
20	131.31	333.33	30.3	76.92