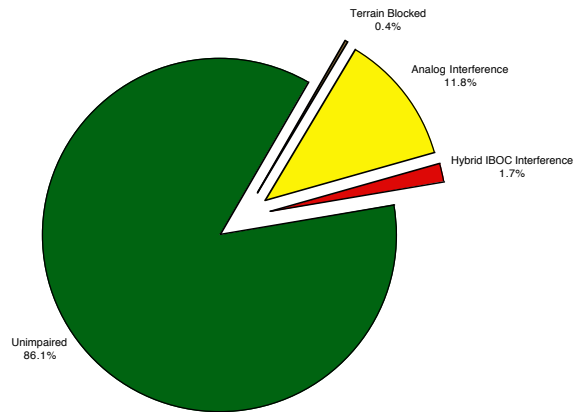**Appendix B**

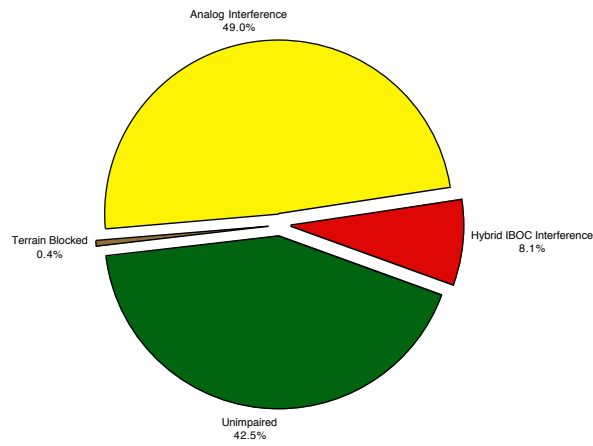| Arbitron Market Rank	Market Name	Station	Area Within Predicted 54-dBu Contour (sq. km)	Area Within Predicted 54-dBu Contour with Signal Blocked by Terrain (sq. km)	Area Within Predicted 54-dBu Contour with Signal Blocked by Terrain (%)	Area Within Predicted 54-dBu Contour with Signal Impaired by Analog Interference (sq. km)	Area Within Predicted 54-dBu Contour with Signal Impaired by Analog Interference (%)	Area Within Usable Analog Signal Coverage Area with Signal Impaired by Hybrid IBOC Interference (sq. km)	Area Within Usable Analog Signal Coverage Area with Signal Impaired by Hybrid IBOC Interference (%)	Population Within Predicted 54-dBu Contour	Population Within Predicted 54-dBu Contour with Signal Blocked by Terrain	Population Within Predicted 54-dBu Contour with Signal Blocked by Terrain (%)	Population Within Predicted 54-dBu Contour with Signal Impaired by Analog Interference	Population Within Predicted 54-dBu Contour with Signal Impaired by Analog Interference (%)	Population Within Usable Analog Signal Coverage Area with Signal Impaired by Hybrid IBOC Interference	Population Within Usable Analog Signal Coverage with Signal Impaired by Hybrid IBOC Interference (%)
1	New York (ESB CP)	WNYC	13,612.4	17.5	0.1%	4,570.4	33.6%	510.1	5.6%	16,841,430	63,980	0.4%	1,984,697	11.8%	255,676	1.7%
2	Los Angeles	KCSN	4,543.7	27.2	0.6%	2,486.5	54.7%	124.0	6.0%	4,948,575	21,733	0.4%	2,423,291	49.0%	204,256	8.1%
2	Los Angeles	KPCC	11,431.3	533.8	4.7%	5,846.0	51.1%	647.5	11.6%	12,670,407	162,903	1.3%	2,441,731	19.3%	858,758	8.4%
3	Chicago	WBEZ	13,480.6	0.0	0.0%	2,980.9	22.1%	420.0	4.0%	8,334,373	1,913	0.0%	872,746	10.5%	127,647	1.7%
4	San Francisco	KALW	6,727.5	1.9	0.0%	2,907.2	43.2%	260.7	6.8%	3,791,451	8,987	0.2%	1,489,312	39.3%	142,077	6.2%
5	Dallas/Ft. Worth	KERA	26,716.0	2.1	0.0%	4,217.1	15.8%	1,010.2	4.5%	5,223,979	4,084	0.1%	1,247,915	23.9%	51,895	1.3%
6	Philadelphia	WHYY	13,137.3	31.4	0.2%	3,228.1	24.6%	383.0	3.9%	6,224,057	61,129	1.0%	810,704	13.0%	128,410	2.4%
7	Houston/Galveston	KUHF	33,244.4	0.0	0.0%	1,238.4	3.7%	439.0	1.4%	4,771,581	478	0.0%	28,926	0.6%	25,128	0.5%
8	Washington	WETA	16,684.6	41.8	0.3%	4,214.7	25.3%	630.4	5.1%	6,481,338	57,732	0.9%	1,182,367	18.2%	122,621	2.3%
9	Boston	WERS	6,614.8	0.9	0.0%	2,690.5	40.7%	347.3	8.8%	3,739,332	6,224	0.2%	777,946	20.8%	80,692	2.7%
9	Boston	WATD	3,861.4	0.0	0.0%	2,577.6	66.8%	347.3	27.1%	680,412	1,130	0.2%	505,637	74.3%	13,633	7.8%
10	Detroit	WDET	14,070.2	2.7	0.0%	4,140.5	29.4%	709.1	7.1%	4,535,327	890	0.0%	236,500	5.2%	71,524	1.7%
11	Atlanta	WABE	17,507.7	52.5	0.3%	1,894.4	10.8%	346.2	2.2%	4,130,474	22,771	0.6%	154,886	3.7%	22,340	0.6%
12	Miami	WLRN	18,776.8	0.0	0.0%	3.3	0.0%	75.5	0.4%	4,590,285	0	0.0%	155	0.0%	19,751	0.4%
13	Seattle/Tacoma	KUOW	19,906.0	174.0	0.9%	4,440.0	22.3%	321.0	2.1%	3,524,585	24,439	0.7%	137,853	3.9%	27,796	0.8%
14	Phoenix	KJZZ	31,305.9	1,308.2	4.2%	6,742.9	21.5%	258.0	1.1%	3,233,062	1,721	0.1%	24,551	0.8%	8,597	0.3%
15	Minneapolis/St. Paul	KNOW	27,327.2	65.1	0.2%	4,408.9	16.1%	829.5	3.6%	3,199,550	9,865	0.3%	81,919	2.6%	18,546	0.6%
16	San Diego (CP)	KPBS	14,282.9	42.0	0.3%	3,748.5	26.2%	707.7	6.7%	2,798,794	17,634	0.6%	54,857	2.0%	16,661	0.6%
23	Pittsburgh	WDUQ	10,534.3	29.8	0.3%	3,259.0	30.9%	287.7	4.0%	2,394,578	76,069	3.2%	317,584	13.3%	42,189	2.0%
105	Roanoke	WVTF	35,970.4	600.9	1.7%	8,485.2	23.6%	401.5	1.5%	1,296,791	103,878	8.0%	233,396	18.0%	15,300	1.4%
233	Cedar Falls	KHKE	6,813.0	0.0	0.0%	983.7	14.4%	397.5	6.8%	209,270	10	0.0%	18,340	8.8%	13,232	6.9%
	totals and averages:		346,548.4	2,931.8	0.8%	75,063.8	21.7%	9,453.2	3.5%	103,619,651	647,570	0.6%	15,025,313	14.5%	2,266,729	2.6%

Appendix C

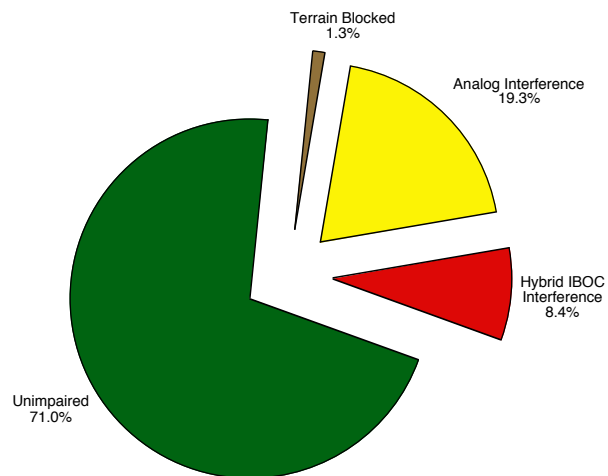# Predicted SCA Coverage within Station's 54-dBu Contour (by Population)

WNYC-FM—New York Market (#1)
(based on Empire State Building Construction Permit)

Terrain Blocked
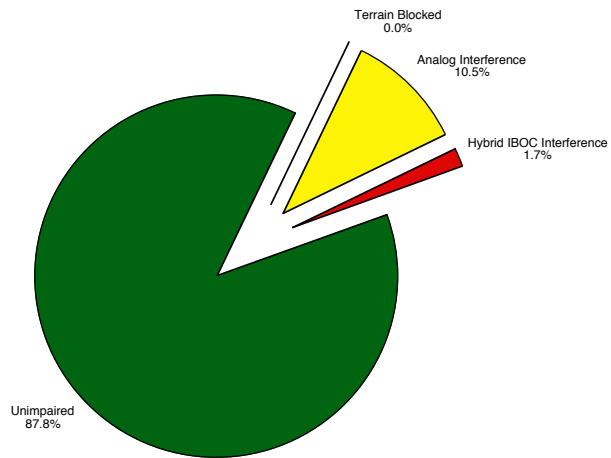0.4%

Analog Interference
11.8%

Hybrid IBOC Interference
1.7%

Unimpaired
86.1%

KCSN—Los Angeles Market (#2)

Analog Interference
49.0%

Terrain Blocked
0.4%

Hybrid IBOC Interference
8.1%

Unimpaired
42.5%

KPCC—Los Angeles Market (#2)

Terrain Blocked
1.3%

Analog Interference
19.3%

Hybrid IBOC
Interference
8.4%

Unimpaired
71.0%

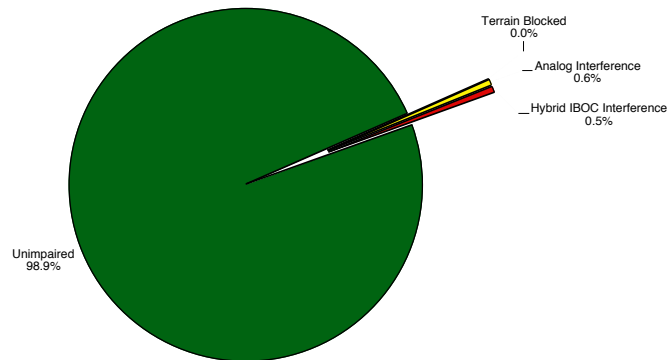(per Vernier 2002.03 & 2002.05)

Predicted SCA Coverage within Station's 54-dBu Contour (by Population)

WBEZ—Chicago Market (#3)

Terrain Blocked
0.0%

Analog Interference
10.5%

Hybrid IBOC Interference
1.7%

Unimpaired
87.8%

KALW—San Francisco Market (#4)

Analog Interference
39.3%

Terrain Blocked
0.2%

Hybrid IBOC Interference
6.2%

Unimpaired
54.3%
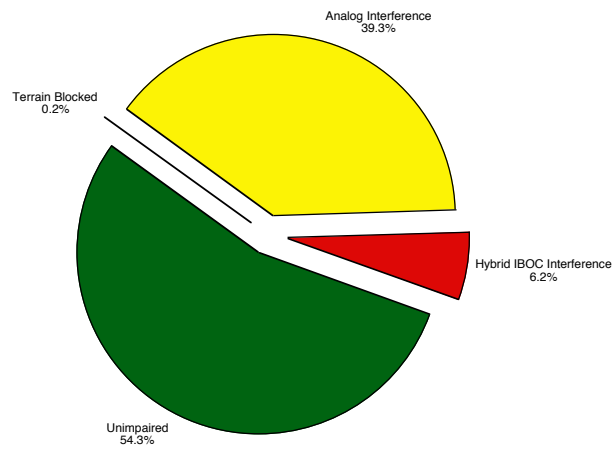
KERA—Dallas/Fort Worth Market (#5)
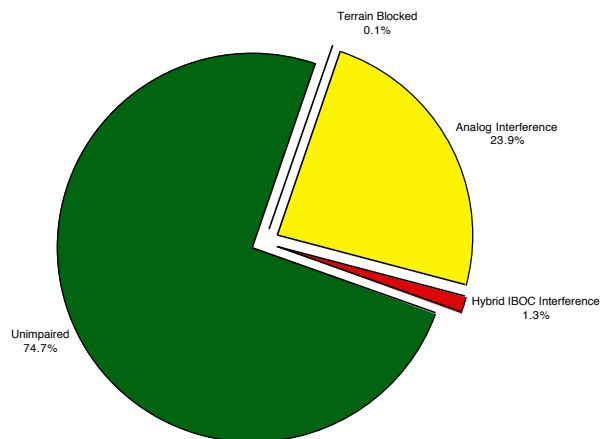
Terrain Blocked
0.1%

Analog Interference
23.9%

Hybrid IBOC Interference
1.3%

Unimpaired
74.7%

(per Vernier 2002.03 & 2002.05)

Predicted SCA Coverage within Station's 54-dBu Contour (by Population)
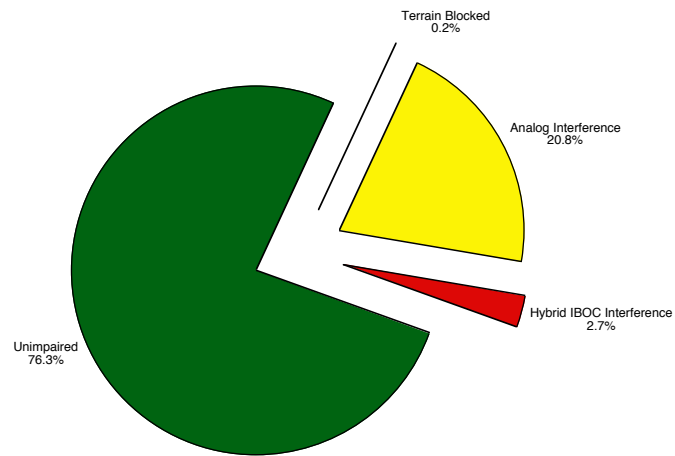
WHYY—Philadelphia Market (#6)

Terrain Blocked
1.0%

Analog Interference
13.0%

Hybrid IBOC Interference
2.4%

Unimpaired
83.6%

KUHF—Houston Market (#7)

Terrain Blocked
0.0%

Analog Interference
0.6%

Hybrid IBOC Interference
0.5%

Unimpaired
98.9%
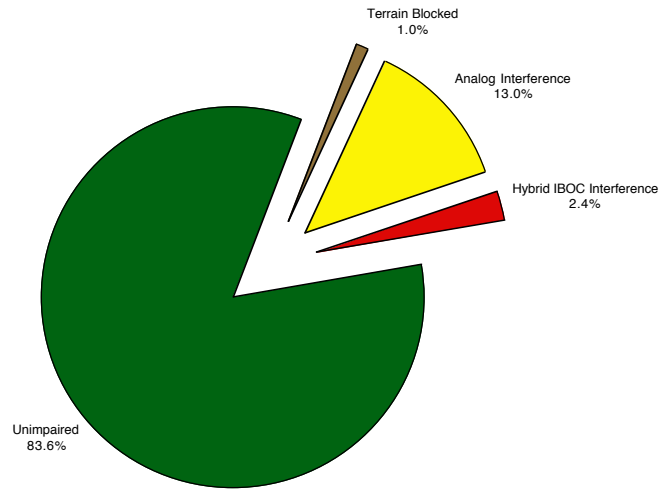
WETA—Washington Market (#8)
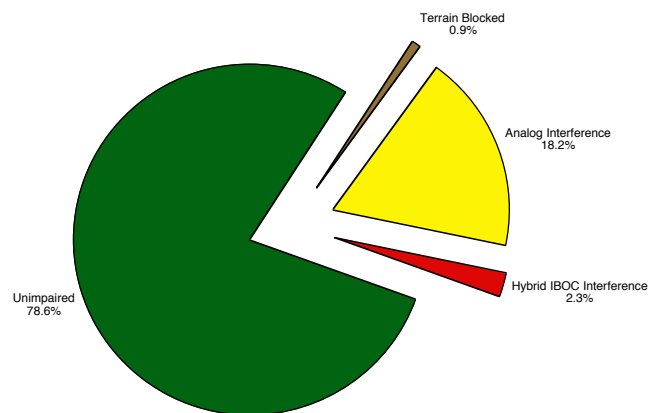
Terrain Blocked
0.9%

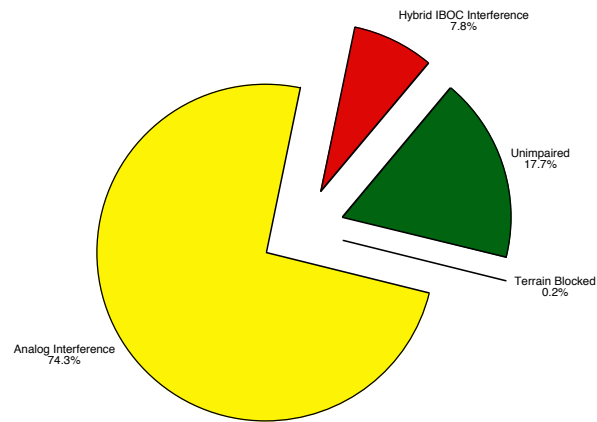Analog Interference
18.2%

Hybrid IBOC Interference
2.3%

Unimpaired
78.6%

(per Vernier 2002.03 & 2002.05)

Predicted SCA Coverage within Station's 54-dBu Contour (by Population)

WERS—Boston Market (#9)
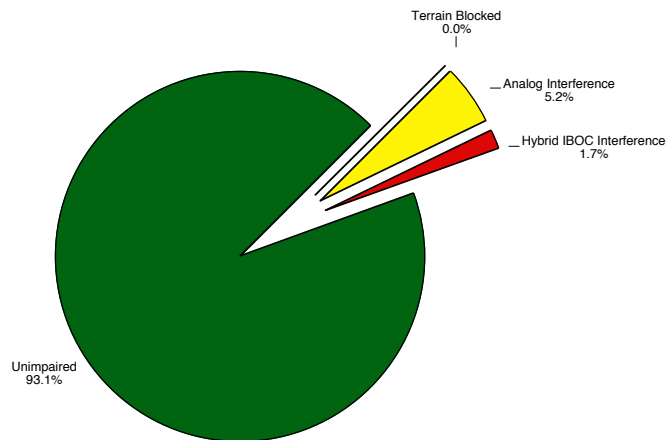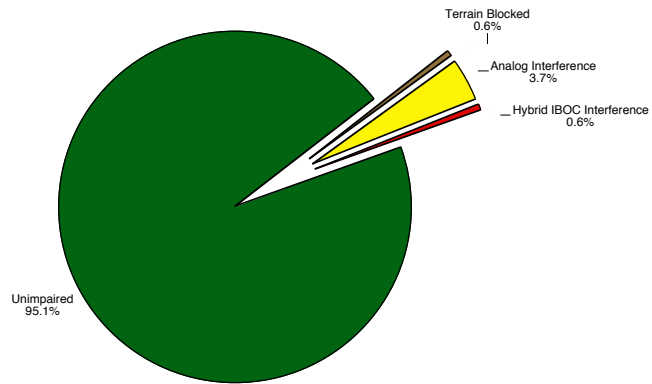
Terrain Blocked
0.2%

Analog Interference
20.8%

Hybrid IBOC Interference
2.7%

Unimpaired
76.3%

WATD—Boston Market (#9)

Hybrid IBOC Interference
7.8%

Unimpaired
17.7%

Terrain Blocked
0.2%

Analog Interference
74.3%

WDET—Detroit Market (#10)

Terrain Blocked
0.0%

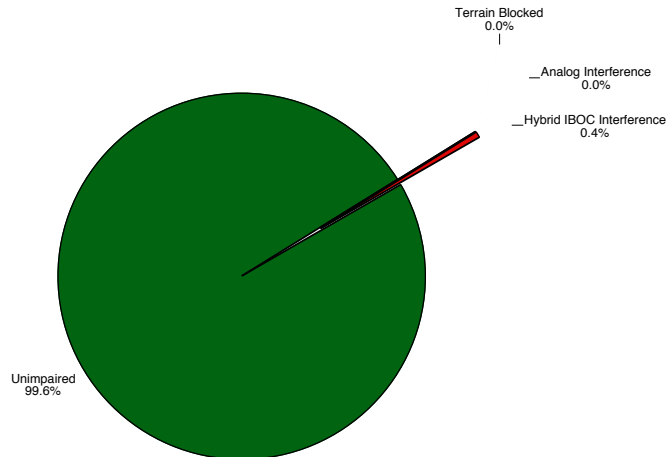Analog Interference
5.2%

Hybrid IBOC Interference
1.7%

Unimpaired
93.1%

(per Vernier 2002.03 & 2002.05)

Predicted SCA Coverage within Station's 54-dBu Contour (by Population)

WABE—Atlanta Market (#11)
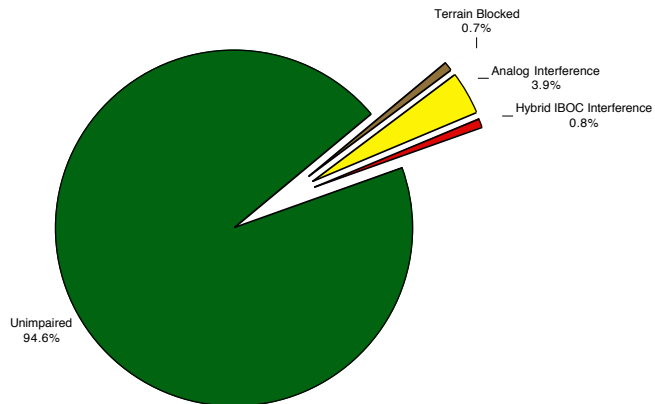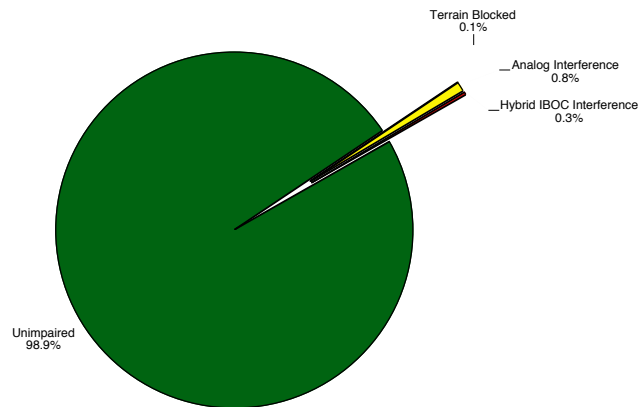
Terrain Blocked
0.6%

Analog Interference
3.7%

Hybrid IBOC Interference
0.6%

Unimpaired
95.1%

WLRN—Miami Market (#12)

Terrain Blocked
0.0%

Analog Interference
0.0%

Hybrid IBOC Interference
0.4%

Unimpaired
99.6%

KUOW—Seattle Market (#13)

Terrain Blocked
0.7%

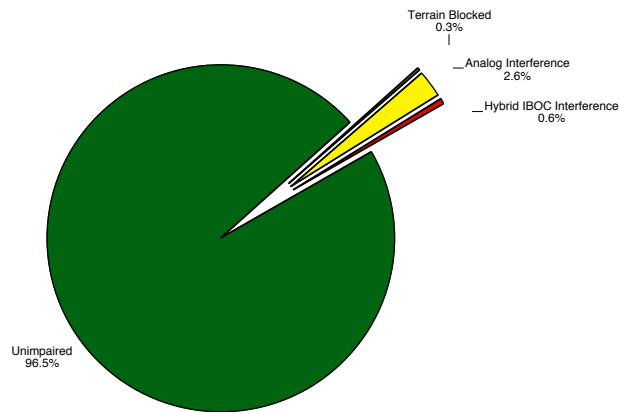Analog Interference
3.9%

Hybrid IBOC Interference
0.8%

Unimpaired
94.6%

(per Vernier 2002.03 & 2002.05)

Predicted SCA Coverage within Station's 54-dBu Contour (by Population)

KJZZ—Phoenix Market (#14)

Terrain Blocked
0.1%

Analog Interference
0.8%

Hybrid IBOC Interference
0.3%

Unimpaired
98.9%

KNOW—Minneapolis/St. Paul Market (#15)

Terrain Blocked
0.3%

Analog Interference
2.6%

Hybrid IBOC Interference
0.6%

Unimpaired
96.5%

KPBS—San Diego Market (#16)
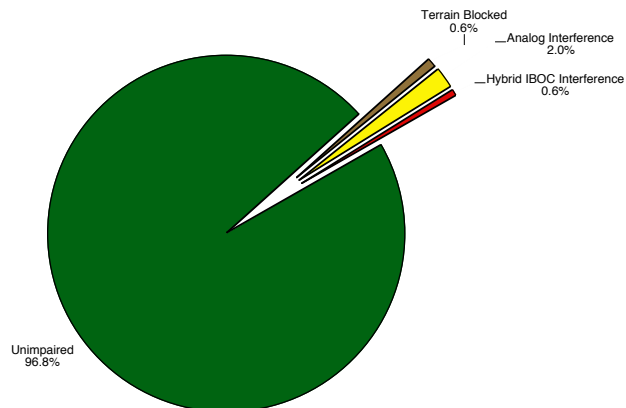
Terrain Blocked
0.6%

Analog Interference
2.0%

Hybrid IBOC Interference
0.6%

Unimpaired
96.8%

(per Vernier 2002.03 & 2002.05)

Predicted SCA Coverage within Station's 54-dBu Contour (by Population)

WDUQ—Pittsburgh Market (#23)
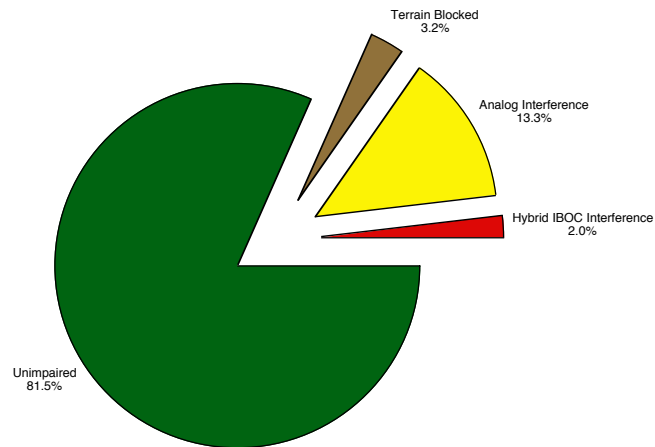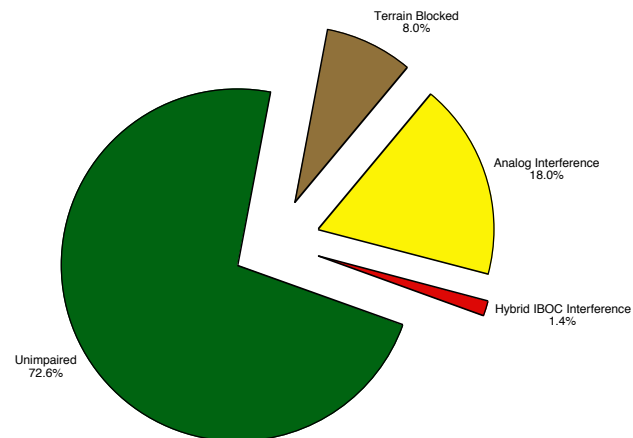
Terrain Blocked
3.2%

Analog Interference
13.3%

Hybrid IBOC Interference
2.0%

Unimpaired
81.5%

WVTF—Roanoke Market (#105)

Terrain Blocked
8.0%

Analog Interference
18.0%

Hybrid IBOC Interference
1.4%

Unimpaired
72.6%

KHKE—Cedar Falls Market (#233)
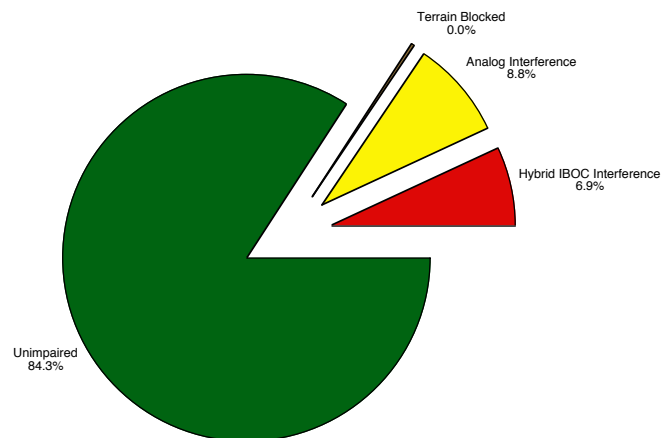
Terrain Blocked
0.0%

Analog Interference
8.8%

Hybrid IBOC Interference
6.9%

Unimpaired
84.3%

(per Vernier 2002.03 & 2002.05)

Predicted SCA Coverage within Station's 54-dBu Contour (by Population)

Average of 21 Stations in 19 Examined Markets

Terrain Blocked
0.6%

Analog Interference
14.5%

Hybrid IBOC Interference
2.6%

Unimpaired
82.3%

■ Unimpaired
■ Terrain Blocked
■ Analog Interference
■ Hybrid IBOC Interference

(per Vernier 2002.03 & 2002.05)