

Exhibit #18
Channel Six Television Protection

Concerning the Application of
VSS Catholic Communications
KVSS
Omaha, Nebraska

April 2002

Channel 205

0.085 kW (Horz.) – 1.5 kW (Vert.)

This study shows compliance with Section 73.525(b)(2) of the Commission's Rules relating to protection of channel-six TV stations from interference. Table A in Sec. 73.525 defines the cut-off distance for FM stations on channel 205 to be 225 km. There is only one channel-six television station within this cut-off distance. WOWTTV, Omaha, Nebraska is located at distance of 1.44 kilometers and at an azimuth of 261.3 degrees True North. WOWTTV operates with an HAAT toward the proposed facility of 433 meters. The television station transmits with an ERP of 100 kilowatts from a transmitter site having geographic coordinates at N. Lat. 41 18 40, W. Lng. 96 01 37.

Page #2 is a map depicting the proposed and existing FM 88.8 dBu interference contours. This is the only relevant interference contour. Since the proposed station is located within such a short distance from WOWTTV, the Commission's rules assume an protected signal level of 90 dBu at all points. The interference threshold U/D for the channel 205 station is -1.2 dB, therefore the interference signal contour becomes 88.8 dBu. The channel six television interference study power for the existing KVSS construction permit was determined to be 0.375 kW (0.1 kW H + 2.75 kW V/10). The proposed facility's study power was determined to be 0.235 kW (0.085 kW H + 1.5 kW V/10).

The proposed change in power and directional antenna of KVSS complies with Section 73.525(b)(2) in that "for each person predicted to receive new interference as a result of the change, existing predicted interference to two persons will be eliminated." The number of persons to receive new interference is 1,714, while existing interference will be eliminated for 4,009 persons. This is a ratio of 1:2.3. The population within the interference contours was determined through the use of a computer program which extracts a population count based on population centroids defined by U.S. Census 2000 (PL-94-171) census block data.

Pages #3 and #4 are distance to contour tables (88.8 dBu interference) of the proposed and existing KVSS facilities.

In conjunction with this application, VSS Catholic Communications has notified WOWTTV of these proposed changes to KVSS.

Exhibit #18, Channel Six Protection

KVSSNew

BMPED20010329ACP
Latitude: 41-18-47 N
Longitude: 096-00-36 W
Study Power: 0.235 kW
0.085 kW H + 1.5 kW V/10
AMSL Height: 485.0 m
Horiz. Pattern: Directional

KVSS.CP

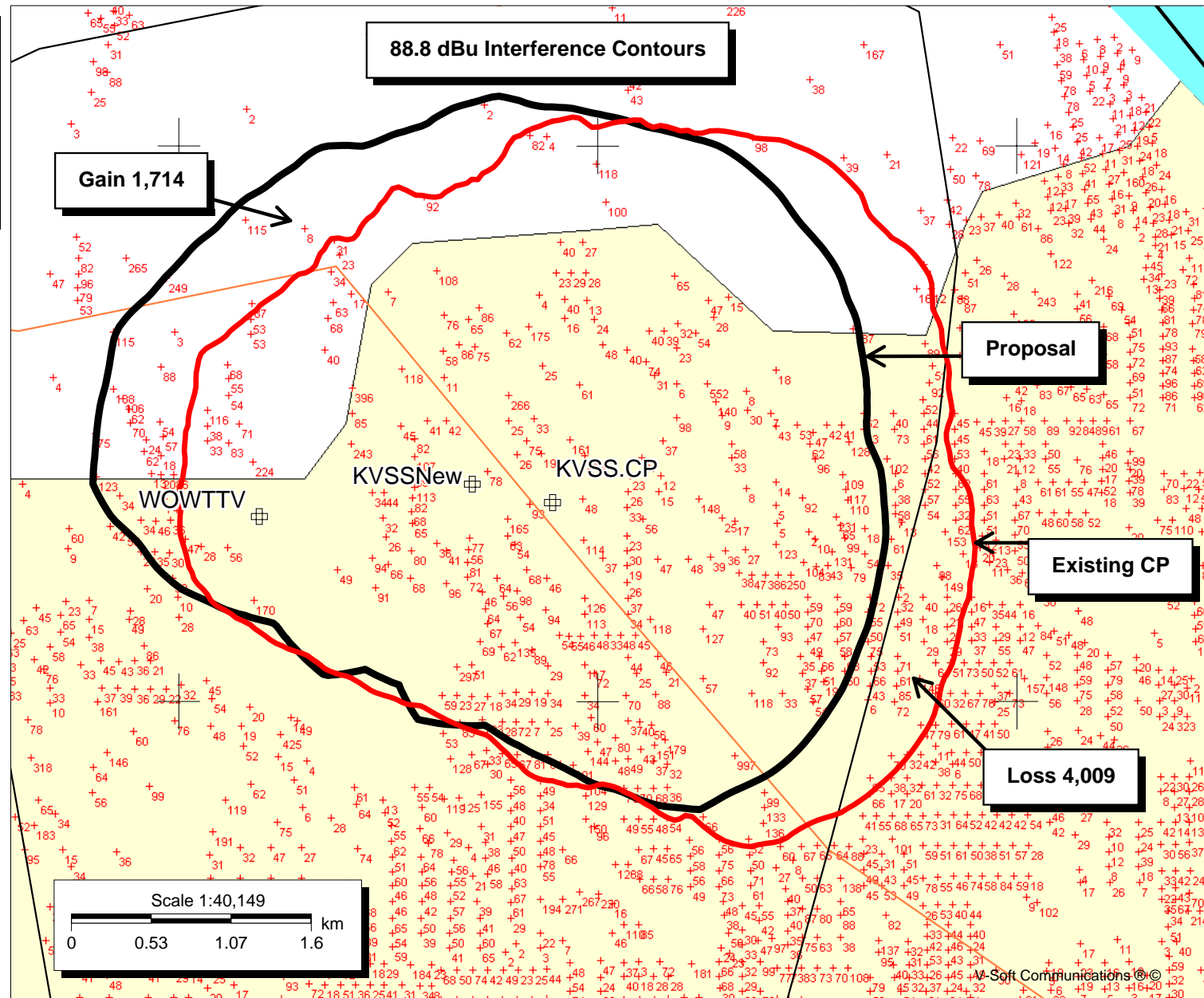
BPED19990426IG
Latitude: 41-18-43 N
Longitude: 096-00-13 W
Study Power: 0.375 kW
.1 kW H + 2.75 kW V/10
AMSL Height: 440.0 m
Horiz. Pattern: Directional

WOWTTV

BLCT19831024KI
Latitude: 41-18-40 N
Longitude: 096-01-37 W
Power: 100.00 kW
Channel: 06+
Frequency: 85.5 MHz
AMSL Height: 761.0 m
Elevation: 366.68 m
Horiz. Pattern: Omni
Vert. Pattern: Yes
Elec Tilt: 0.0

1.5 kW vs. 2.75 kW CP
Loss: 4,009
Gain: 1,714

Loss to Gain Ratio 2.3:1



Doug Vernier Telecommunications Consultants

N. Lat. = 41 18 47 W. Lng. = 96 00 36

HAAT and Distance to Contour - FCC Method - 30 Arc. Sec.

VSS Catholic Communications, Modify BMPED20010329ACP

Azi. AV EL HAAT kW dBk Field 88.8 .1

Azi.	AV EL	HAAT	kW	dBk	Field	88.8 .1
000	349.2	135.8	.2350	-6.29	1.000	2.53
010	346.7	138.3	.2350	-6.29	1.000	2.55
020	338.9	146.1	.2350	-6.29	1.000	2.60
030	326.0	159.0	.2350	-6.29	1.000	2.69
040	308.0	177.0	.2350	-6.29	1.000	2.80
050	310.2	174.8	.2350	-6.29	1.000	2.79
060	306.0	179.0	.2350	-6.29	1.000	2.81
070	317.6	167.4	.2350	-6.29	1.000	2.75
080	330.1	154.9	.2350	-6.29	1.000	2.67
090	320.5	164.5	.2350	-6.29	1.000	2.73
100	312.9	172.1	.2350	-6.29	1.000	2.78
110	309.1	175.9	.2350	-6.29	1.000	2.80
120	306.0	179.0	.2350	-6.29	1.000	2.81
130	309.6	175.4	.2350	-6.29	1.000	2.79
140	328.3	156.7	.2350	-6.29	1.000	2.68
150	338.5	146.5	.1967	-7.06	.915	2.46
160	352.4	132.6	.1249	-9.03	.729	2.06
170	348.6	136.4	.0788	-11.04	.579	1.77
180	326.1	158.9	.0497	-13.03	.460	1.51
190	335.2	149.8	.0441	-13.56	.433	1.61
200	336.8	148.2	.0313	-15.04	.365	1.42
210	336.5	148.5	.0313	-15.04	.365	1.42
220	338.9	146.1	.0430	-13.66	.428	1.61
230	339.5	145.5	.0495	-13.05	.459	1.61
240	342.9	142.1	.0745	-11.28	.563	1.75
250	346.0	139.0	.1181	-9.28	.709	2.05
260	352.7	132.3	.1650	-7.82	.838	2.26
270	351.4	133.6	.2350	-6.29	1.000	2.52
280	351.1	133.9	.2350	-6.29	1.000	2.52
290	346.5	138.5	.2350	-6.29	1.000	2.55
300	356.9	128.1	.2350	-6.29	1.000	2.48
310	366.2	118.8	.2350	-6.29	1.000	2.43
320	368.6	116.4	.2350	-6.29	1.000	2.42
330	369.1	115.9	.2350	-6.29	1.000	2.41
340	372.2	112.8	.2350	-6.29	1.000	2.39
350	372.6	112.4	.2350	-6.29	1.000	2.39

Ave EI = 337.99 M HAAT= 147.01 M AMSL= 485

Doug Vernier Telecommunications Consultants

N. Lat. = 41 18 43 W. Lng. = 96 00 13

HAAT and Distance to Contour - FCC Method - 30 Arc. Sec.

KVSS.C, Vss Catholic Communications, BMPED20010329ACP - Existing CP

Azi.	AV EL	HAAT	kW	dBk	Field	88.8 .1
000	344.6	95.4	.3750	-4.26	1.000	2.56
010	341.9	98.1	.3750	-4.26	1.000	2.59
020	335.9	104.1	.3750	-4.26	1.000	2.65
030	317.4	122.6	.3750	-4.26	1.000	2.82
040	305.6	134.4	.3750	-4.26	1.000	2.91
050	310.2	129.8	.3750	-4.26	1.000	2.87
060	306.5	133.5	.3750	-4.26	1.000	2.90
070	319.2	120.8	.3750	-4.26	1.000	2.80
080	333.2	106.8	.3750	-4.26	1.000	2.68
090	320.0	120.0	.3750	-4.26	1.000	2.80
100	313.4	126.6	.3750	-4.26	1.000	2.85
110	309.6	130.4	.3750	-4.26	1.000	2.88
120	304.1	135.9	.3750	-4.26	1.000	2.92
130	305.9	134.1	.3750	-4.26	1.000	2.91
140	321.8	118.2	.3750	-4.26	1.000	2.78
150	334.0	106.0	.3750	-4.26	1.000	2.67
160	348.2	91.8	.2424	-6.15	.804	2.24
170	353.9	86.1	.1531	-8.15	.639	1.92
180	331.4	108.6	.1081	-9.66	.537	1.87
190	335.3	104.7	.0860	-10.65	.479	1.71
200	338.4	101.6	.0681	-11.67	.426	1.56
210	336.8	103.2	.0681	-11.67	.426	1.57
220	338.9	101.1	.0860	-10.65	.479	1.69
230	340.5	99.5	.1081	-9.66	.537	1.82
240	343.9	96.1	.1531	-8.15	.639	1.99
250	347.0	93.0	.2424	-6.15	.804	2.25
260	351.3	88.7	.3750	-4.26	1.000	2.48
270	350.3	89.7	.3750	-4.26	1.000	2.49
280	349.6	90.4	.3750	-4.26	1.000	2.50
290	345.4	94.6	.3750	-4.26	1.000	2.55
300	358.2	81.8	.3750	-4.26	1.000	2.41
310	366.8	73.2	.3750	-4.26	1.000	2.31
320	368.5	71.5	.3750	-4.26	1.000	2.30
330	368.0	72.0	.3750	-4.26	1.000	2.30
340	377.7	62.3	.3750	-4.26	1.000	2.20
350	368.6	71.4	.3750	-4.26	1.000	2.29

Ave EI = 337.28 M HAAT= 102.72 M AMSL= 440 M