

Adjacent Channel Waiver

According to the new FCC rule 74.707 (d)(4)

Subpart G--Low Power TV, TV Translator, and TV Booster Stations

Sec. 74.707 Low power TV and TV translator station protection.

(d) A low power TV, TV translator, or TV booster station application will not be accepted if the ratio in dB of its field strength to that of the authorized low power TV, TV translator, or TV booster station at its protected contour fails to meet the following:

(4) 15 dB when the protected low power TV or TV translator station operates on a UHF channel that is one channel above or below the requested channel.

Please find attached a study which shows the proposed signal does not exceed a ratio of desired to undesired that exceeds the required +15 db within the TV translators 74 dBu protected contour, therefore, the station complies with the FCC rule and does not cause harmful interference to BNPTTL-20000831BAO, Channel 21.

At points where HAAT are less than 30.5, 30.5 was used per FCC rule 73.684. For close in calculations (1.5 – 5 Km), the Center of Radiation Above Ground is used unless the HAAT is higher for increased accuracy.

Contour At A Bearing of 000 Degrees From Proposed Station

"

"

NEW	-TX Distance-Km	2.90	3.34	4.27	5.22	6.19	11.11	16.08
	Bearing-Deg	29.73	25.47	19.69	15.98	13.43	7.43	5.12
	ERP-dBk	13.01	13.01	13.01	13.01	13.01	13.01	13.01
	HAAT-m	191.48	192.48	194.46	202.63	208.26	216.44	217.00
	Field Strength	107.46	105.70	102.43	99.90	97.69	88.26	82.05
Proposed	Distance-Km	1.50	2.00	3.00	4.00	5.00	10.00	15.00
	Tilt (Deg)	3.93	2.95	1.97	1.48	1.18	.59	.39
	ERP-dBk	-36.04	-29.28	-25.85	-25.29	-24.97	-24.78	-24.78
	HAAT-m	103.02	103.02	103.02	103.02	103.02	103.02	103.02
	Field Strength	65.02	67.53	64.98	61.04	57.77	46.01	38.98
	Difference	-42.44	-38.17	-37.45	-38.86	-39.92	-42.25	-43.07

Contour At A Bearing of 030 Degrees From Proposed Station

NEW	-TX Distance-Km	3.19	3.67	4.66	5.65	6.64	11.62	16.61
	Bearing-Deg	43.36	41.56	39.09	37.49	36.36	33.62	32.52
	ERP-dBk	13.01	13.01	13.01	13.01	13.01	13.01	13.01
	HAAT-m	190.97	193.00	194.44	193.91	193.53	192.62	192.25
	Field Strength	106.31	104.43	101.24	98.53	96.15	86.60	80.43
Proposed	Distance-Km	1.50	2.00	3.00	4.00	5.00	10.00	15.00
	Tilt (Deg)	2.84	2.13	1.42	1.07	.85	.43	.28
	ERP-dBk	-31.37	-28.83	-27.77	-27.38	-27.31	-27.31	-27.31
	HAAT-m	74.49	74.49	74.49	74.49	74.49	74.49	74.49
	Field Strength	68.49	66.36	60.83	56.43	52.74	40.66	33.64
	Difference	-37.82	-38.07	-40.41	-42.10	-43.41	-45.94	-46.79

Contour At A Bearing of 060 Degrees From Proposed Station

NEW	-TX Distance-Km	3.26	3.76	4.76	5.76	6.75	11.75	16.75
	Bearing-Deg	57.14	57.52	58.04	58.38	58.62	59.20	59.44
	ERP-dBk	13.01	13.01	13.01	13.01	13.01	13.01	13.01
	HAAT-m	184.84	184.91	185.01	185.07	185.12	185.23	185.27
	Field Strength	105.89	103.93	100.69	97.99	95.58	86.11	79.97
Proposed	Distance-Km	1.50	2.00	3.00	4.00	5.00	10.00	15.00
	Tilt (Deg)	1.95	1.47	.98	.73	.59	.29	.20
	ERP-dBk	-30.86	-30.30	-29.80	-29.80	-29.80	-29.80	-29.80
	HAAT-m	51.17	51.17	51.17	51.17	51.17	51.17	51.17
	Field Strength	66.77	62.38	55.90	50.93	47.06	34.88	27.87
	Difference	-39.12	-41.55	-44.79	-47.06	-48.52	-51.23	-52.10

Contour At A Bearing of 090 Degrees From Proposed Station

NEW	-TX Distance-Km	3.11	3.58	4.55	5.53	6.52	11.48	16.47
	Bearing-Deg	70.90	73.51	77.09	79.40	81.02	84.92	86.46
	ERP-dBk	13.01	13.01	13.01	13.01	13.01	13.01	13.01
	HAAT-m	174.63	177.80	182.12	184.93	187.95	196.72	200.19
	Field Strength	106.22	104.38	101.20	98.55	96.28	86.97	80.93
Proposed	Distance-Km	1.50	2.00	3.00	4.00	5.00	10.00	15.00
	Tilt (Deg)	2.69	2.02	1.34	1.01	.81	.40	.27
	ERP-dBk	-32.29	-30.02	-29.23	-28.87	-28.86	-28.86	-28.86
	HAAT-m	70.38	70.38	70.38	70.38	70.38	70.38	70.38
	Field Strength	67.36	64.88	58.98	54.50	50.73	38.63	31.60
	Difference	-38.86	-39.50	-42.22	-44.05	-45.55	-48.34	-49.33

Contour At A Bearing of 120 Degrees From Proposed Station

NEW	-TX Distance-Km	2.75	3.17	4.06	5.00	5.96	10.86	15.82
	Bearing-Deg	84.42	89.69	96.81	101.33	104.41	111.51	114.18
	ERP-dBk	13.01	13.01	13.01	13.01	13.01	13.01	13.01
	HAAT-m	195.60	207.45	187.89	177.74	176.21	170.83	166.25
	Field Strength	108.17	106.68	102.93	99.73	97.14	86.78	80.06
Proposed	Distance-Km	1.50	2.00	3.00	4.00	5.00	10.00	15.00
	Tilt (Deg)	1.58	1.18	.79	.59	.47	.24	.16
	ERP-dBk	-27.94	-27.51	-27.31	-27.31	-27.31	-27.31	-27.31
	HAAT-m	41.32	41.32	41.32	41.32	41.32	41.32	41.32
	Field Strength	67.87	63.34	56.54	51.55	47.66	35.47	28.48
	Difference	-40.30	-43.34	-46.39	-48.18	-49.48	-51.31	-51.58

Contour At A Bearing of 150 Degrees From Proposed Station

NEW	-TX Distance-Km	2.21	2.54	3.34	4.22	5.15	9.99	14.94
	Bearing-Deg	97.33	106.33	118.27	125.43	130.06	139.87	143.23
	ERP-dBk	13.01	13.01	13.01	13.01	13.01	13.01	13.01
	HAAT-m	186.36	175.25	159.23	163.81	170.20	177.80	179.54
	Field Strength	110.70	108.75	104.82	101.61	99.01	88.55	81.72
Proposed	Distance-Km	1.50	2.00	3.00	4.00	5.00	10.00	15.00
	Tilt (Deg)	2.26	1.69	1.13	.85	.68	.34	.23
	ERP-dBk	-25.62	-24.48	-23.86	-23.72	-23.72	-23.72	-23.72
	HAAT-m	59.06	59.06	59.06	59.06	59.06	59.06	59.06
	Field Strength	73.22	69.43	63.09	58.26	54.40	42.24	35.22
	Difference	-37.48	-39.32	-41.73	-43.35	-44.61	-46.31	-46.50

Contour At A Bearing of 180 Degrees From Proposed Station

NEW	-TX Distance-Km	1.52	1.74	2.45	3.31	4.23	9.10	14.05
	Bearing-Deg	108.55	124.34	144.04	154.26	160.14	170.90	174.12
	ERP-dBk	13.01	13.01	13.01	13.01	13.01	13.01	13.01
	HAAT-m	174.15	162.30	179.95	188.13	195.27	206.77	203.14
	Field Strength	115.16	113.27	109.31	105.74	102.56	91.30	83.78
Proposed	Distance-Km	1.50	2.00	3.00	4.00	5.00	10.00	15.00
	Tilt (Deg)	3.10	2.33	1.55	1.16	.93	.47	.31
	ERP-dBk	-10.09	-6.97	-5.43	-5.01	-4.83	-4.83	-4.83
	HAAT-m	81.30	81.30	81.30	81.30	81.30	81.30	81.30
	Field Strength	90.10	88.65	83.77	79.48	75.95	63.90	56.88
	Difference	-25.06	-24.62	-25.54	-26.26	-26.61	-27.40	-26.90

Contour At A Bearing of 210 Degrees From Proposed Station

NEW	-TX Distance-Km	.74	.84	1.58	2.51	3.48	8.43	13.42
	Bearing-Deg	112.26	148.51	182.26	192.95	197.79	205.01	206.88
	ERP-dBk	13.01	13.01	13.01	13.01	13.01	13.01	13.01
	HAAT-m	169.55	182.22	197.21	197.72	194.74	191.67	191.03
	Field Strength	122.51	121.47	114.83	109.30	105.21	92.05	84.08
Proposed	Distance-Km	1.50	2.00	3.00	4.00	5.00	10.00	15.00
	Tilt (Deg)	2.68	2.01	1.34	1.01	.81	.40	.27
	ERP-dBk	6.20	8.47	9.26	9.62	9.62	9.62	9.62
	HAAT-m	70.33	70.33	70.33	70.33	70.33	70.33	70.33
	Field Strength	105.85	103.37	97.46	92.98	89.21	77.10	70.08
	Difference	-16.66	-18.10	-17.37	-16.32	-16.00	-14.95	-14.00

Contour At A Bearing of 240 Degrees From Proposed Station

NEW	-TX Distance-Km	.30	.30	1.26	2.25	3.25	8.25	13.25
	Bearing-Deg	27.37	273.41	247.43	244.14	242.87	241.14	240.72
	ERP-dBk	13.01	13.01	13.01	13.01	13.01	13.01	13.01
	HAAT-m	192.03	201.47	209.90	210.25	210.39	210.58	210.62
	Field Strength	130.35	130.53	117.94	110.75	106.42	93.08	85.07
Proposed	Distance-Km	1.50	2.00	3.00	4.00	5.00	10.00	15.00
	Tilt (Deg)	3.67	2.76	1.84	1.38	1.10	.55	.37
	ERP-dBk	1.95	7.17	9.95	10.46	10.76	10.87	10.87
	HAAT-m	96.26	96.26	96.26	96.26	96.26	96.26	96.26
	Field Strength	102.76	103.65	100.31	96.26	92.94	81.06	74.04
	Difference	-27.59	-26.88	-17.63	-14.49	-13.48	-12.02	-11.03

Contour At A Bearing of 270 Degrees From Proposed Station

NEW	-TX Distance-Km	1.02	1.16	1.86	2.76	3.70	8.62	13.60
	Bearing-Deg	356.49	331.07	303.07	291.65	285.94	276.77	274.29
	ERP-dBk	13.01	13.01	13.01	13.01	13.01	13.01	13.01
	HAAT-m	219.90	218.34	207.38	203.08	202.61	202.69	201.79
	Field Strength	119.76	118.62	112.95	108.26	104.53	92.06	84.29
Proposed	Distance-Km	1.50	2.00	3.00	4.00	5.00	10.00	15.00
	Tilt (Deg)	3.27	2.45	1.63	1.23	.98	.49	.33
	ERP-dBk	4.62	8.22	10.09	10.54	10.78	10.78	10.78
	HAAT-m	85.57	85.57	85.57	85.57	85.57	85.57	85.57
	Field Strength	105.00	104.10	99.64	95.42	91.98	79.95	72.93
	Difference	-14.76	-14.52	-13.31	-12.84	-12.55	-12.11	-11.36

Contour At A Bearing of 300 Degrees From Proposed Station

NEW	-TX Distance-Km	1.77	2.04	2.77	3.63	4.55	9.40	14.35
	Bearing-Deg	4.48	351.70	335.25	326.12	320.57	309.81	306.41
	ERP-dBk	13.01	13.01	13.01	13.01	13.01	13.01	13.01
	HAAT-m	217.15	222.19	213.22	218.43	216.69	202.18	204.80
	Field Strength	113.63	112.05	108.36	105.11	102.13	90.58	83.50
Proposed	Distance-Km	1.50	2.00	3.00	4.00	5.00	10.00	15.00
	Tilt (Deg)	3.27	2.45	1.63	1.23	.98	.49	.33
	ERP-dBk	.93	4.53	6.40	6.85	7.09	7.09	7.09
	HAAT-m	85.56	85.56	85.56	85.56	85.56	85.56	85.56
	Field Strength	101.31	100.41	95.95	91.73	88.29	76.26	69.24
	Difference	-12.32	-11.64	-12.41	-13.38	-13.84	-14.32	-14.26

Contour At A Bearing of 330 Degrees From Proposed Station

NEW	-TX Distance-Km	2.42	2.78	3.62	4.52	5.45	10.31	15.26
	Bearing-Deg	16.53	9.04	359.01	352.85	348.77	339.80	336.61
	ERP-dBk	13.01	13.01	13.01	13.01	13.01	13.01	13.01
	HAAT-m	201.42	216.06	218.70	221.64	221.07	207.66	211.55
	Field Strength	109.80	108.35	105.18	102.35	99.80	89.21	82.72
Proposed	Distance-Km	1.50	2.00	3.00	4.00	5.00	10.00	15.00
	Tilt (Deg)	3.54	2.66	1.77	1.33	1.06	.53	.36
	ERP-dBk	-23.53	-18.90	-16.43	-15.93	-15.65	-15.58	-15.58
	HAAT-m	92.89	92.89	92.89	92.89	92.89	92.89	92.89
	Field Strength	77.15	77.40	73.69	69.59	66.24	54.31	47.28
	Difference	-32.65	-30.95	-31.49	-32.76	-33.56	-34.90	-35.44

[illegible]