

FCC Form 301 Section III-A #10b Supporting Exhibits
Polnet Communications, Ltd., WKTA, Evanston, Illinois
Nighttime Allocation Study, Part of Exhibit 16
July 2005

Mueller Broadcast Design
613 S. La Grange Road
La Grange, Illinois 60525
(708) 352-2166

Nighttime RSS Limit Calculations

Run Date: 07-06-2005 15:38:16

<u>Call</u>	<u>AntID</u>	<u>Class</u>	<u>Freq</u>	<u>Location</u>	<u>Power</u>	<u>Mode</u>	<u>Status</u>	<u>File</u>	<u>Coordinates</u>
NEW	84404	P B	1320 B	KNIK	AK US	10.000 KW, ND2-N	APP BNP	20040130BBV	61-20-15N/149-36-59W
CHQM:2.42 + CHMB:2.42 = 3.42									
NEW	82799	P B	1320 B	SOLDOTNA	AK US	1.000 KW, ND3-N	APP BNP	20040129AIQ	60-34- 7N/151- 7-57W
CHQM:2.51 + CHMB:2.51 = 3.55									
WAGF	18055	O B	1320 B	DOTHAN	AL US	1.000 KW, DAN-N	LIC BL		31-14-56N/ 85-23-20W
WJGR:6.47 + KXYZ:5.48 + WJAS:4.26 + WAMR:4.14 + WDOD:3.57 + WISW:3.17 + WAGY:2.94 = 11.77									
KWHN	18067	O B	1320 B	FORT SMITH	AR US	5.000 KW, DAN-N	LIC BL	2816	35-24-36N/ 94-21-30W
KXYZ:8.96 + KSIV:4.86 + WJAS:4.46 + KLWN:4.42 + WKAN:3.77 + WKIN:3.58 + WILS:3.56 = 13.53									
NEW	81568	P B	1320 B	BELLEMONT	AZ US	0.250 KW, DA2-N	APP BNP	20040126ANP	35-13-19N/111-53-12W
KFNZ:15.12 + KCTC:7.56 + KWHN:5.25 = 17.70									
NEW	82383	P B	1320 B	FLAGSTAFF	AZ US	0.250 KW, ND3-N	APP BNP	20040128ANM	35-12-16N/111-37-18W
KFNZ:15.93 + KCTC:7.23 + KWHN:5.41 = 18.31									
KSDT	67034	O B	1320 B	HEMET	CA US	0.300 KW, DA2-N	LIC BL	19900912AH	33-44-59N/116-59-53W
KKSM:5.48 + KFNZ:3.95 + KWHN:3.52 + KCTC:3.34 + KXYZ:2.95 + XESY:2.25 = 9.11									
KKSM	18088	O B	1320 B	OCEANSIDE	CA US	0.500 KW, DA1-U	LIC BL		33-12- 8N/117-20-17W
KCTC:7.13 + KSDT:6.08 + KFNZ:3.55 + KWHN:3.51 + KXYZ:2.9 = 11.01									
NEW	84975	P B	1320 B	PORTERVILLE	CA US	1.000 KW, ND2-N	APP BNP	20040130BPG	36- 5-45N/119- 3- 0W
KFNZ:9.33 + KSDT:8.71 + KCTC:6.22 + KKSM:4.93 = 15.03									
KSDT	83056	P B	1320 B	REDLANDS	CA US	0.400 KW, DA2-N	APP BMJP	20040129AQL	34- 0-42N/117-11- 3W
KKSM:6.74 + KFNZ:4.5 + KSDT:4.48 + KWHN:3.4 + KCTC:3.35 + KXYZ:2.89 = 10.81									
KCTC	18097	O B	1320 B	SACRAMENTO	CA US	5.000 KW, DA2-N	LIC BL	19790816AB	38-42-42N/121-19-44W
KFNZ:10.53 + KSDT:3.84 + KXRO:2.94 = 11.59									
NEW	84499	P B	1320 B	SANTA MARIA	CA US	0.670 KW, DA2-N	APP BNP	20040130BDJ	34-56-30N/120-24- 0W
KCTC:32.58 = 32.58									
KCTC	81944	P B	1320 B	WEST SACRAMENTO	CA US	5.000 KW, DA2-N	APP BMJP	20040127ALJ	38-42-42N/121-19-44W
KFNZ:10.53 + KSDT:3.84 + KXRO:2.94 = 11.59									
NEW	84694	P B	1320 B	KEYSTONE	CO US	0.250 KW, DA2-N	APP BNP	20040130BHV	39-36-46N/106- 0- 5W
KOLT:13.84 + KFNZ:6.44 + KXYZ:4.26 = 15.85									
NEW	82695	P B	1320 B	WALSENBURG	CO US	0.300 KW, DAN-N	APP BNP	20040129AFW	37-39-26N/104-45- 2W
KOLT:10.38 + KWHN:7 + KFNZ:6.49 + KXYZ:5.91 = 15.29									
WATR	67035	O B	1320 B	WATERBURY	CT US	1.000 KW, DA2-N	LIC BL	19820511AM	41-32-12N/ 73- 1-52W
WJAS:4.2 + WJYT:3.83 + WDER:3.16 + CJMR:2.99 + WGET:2.65 + WJGR:2.58 = 8.06									
WLQY	18111	O B	1320 B	HOLLYWOOD	FL US	5.000 KW, DA2-N	LIC BL	19841212AB	26- 1-53N/ 80-16-42W
WJGR:15.11 + WAMR:6.23 + WAGF:5.2 = 17.15									
WJGR	18117	O B	1320 B	JACKSONVILLE	FL US	5.000 KW, DAN-N	LIC BL	19840907AA	30-17-50N/ 81-44-35W
KXYZ:3.45 + WDOD:2.43 + HJPC:2.1 + WYRD:1.98 + WAGF:1.95 + WJAS:1.84 + WLQY:1.7 + WAMR:1.62 + WCVG:1.61 = 6.44									
WAMR	18121	O B	1320 B	VENICE	FL US	1.000 KW, DA2-N	LIC BL	19811105AH	27- 6-20N/ 82-24- 1W
WJGR:30.14 + WAGF:9.61 = 31.63									

FCC Form 301 Section III-A #10b Supporting Exhibits
Polnet Communications, Ltd., WKTA, Evanston, Illinois
Nighttime Allocation Study, Part of Exhibit 16
July 2005

Mueller Broadcast Design
613 S. La Grange Road
La Grange, Illinois 60525
(708) 352-2166

Nighttime RSS Limit Calculations

Run Date: 07-06-2005 15:38:16

<u>Call</u>	<u>AntID</u>	<u>Class</u>	<u>Freq</u>	<u>Location</u>	<u>Power</u>	<u>Mode</u>	<u>Status</u>	<u>File</u>	<u>Coordinates</u>
NEW	84583	P B	1320 B	COOSA	GA US	0.250 KW, DAN-N	APP BNP	20040130BES	34-15-16N/ 85-21-16W
WJGR:12.38 + WISW:10.49 + WAGY:10.03 + WJAS:8.2 + WCVG:5.24 = 21.42									
NEW	67923	P B	1320 B	EWA BEACH	HI US	5.000 KW, ND1-N	APP BNP	20000201AFB	21-19- 1N/158- 0-20W
KCTC:1.35 + KFNZ:.6 + KKSM:.43 + KWHN:.43 + KXYZ:.42 = 1.65									
NEW	73506	P B	1320 B	EWA BEACH	HI US	5.000 KW, DA2-N	APP BNP	20001023ACY	21-19-16N/158- 0-40W
KCTC:1.35 + KFNZ:.6 + KKSM:.43 + KWHN:.43 + KXYZ:.42 = 1.65									
NEW	88177	P B	1320 B	EWA BEACH	HI US	5.000 KW, DA2-N	APP BNP	20001023ACY	21-19-16N/158- 0-40W
KCTC:1.35 + KFNZ:.6 + KKSM:.43 + KWHN:.43 + KXYZ:.42 = 1.65									
NEW	84276	P B	1320 B	INKOM	ID US	0.500 KW, DA2-N	APP BNP	20040130AYD	42-47-30N/112-15-12W
KFNZ:39.6 = 39.60									
WKAN	18131	O B	1320 B	KANKAKEE	IL US	0.500 KW, DAN-N	LIC BL		41- 8- 8N/ 87-49-10W
WILS:20.93 + WJAS:10.37 + WCVG:8.2 + WFHR:7.56 + WOBL:6.54 = 26.70									
KLWN	18145	O B	1320 B	LAWRENCE	KS US	0.250 KW, ND1-N	LIC BL	19970414AB	38-56- 5N/ 95-17-12W
KWHN:10.84 + KOLT:6.8 + KSIV:6 + KELO:5.83 + WKAN:5.18 + KXYZ:4.76 + WILS:4.4 = 17.39									
WCVG	44409	O B	1320 B	COVINGTON	KY US	0.430 KW, DA2-N	LIC BL	19910321AE	39- 2-44N/ 84-30-30W
WJAS:21.94 + WOBL:16.12 + WKIN:9.21 + WCOG:8.29 = 29.91									
WJYT	18195	O B	1320 B	ATTLEBORO	MA US	5.000 KW, DA2-N	LIC BL	19870106AA	41-57-33N/ 71-19-37W
WDER:4.71 + WATR:3.51 + WJAS:3.11 + WJGR:2.57 + WGET:1.88 = 7.37									
WILS	18201	O B	1320 B	LANSING	MI US	1.000 KW, DA2-N	LIC BL		42-41-30N/ 84-33-38W
WJAS:5.89 + CJMR:4.68 + WCVG:3.53 + WKAN:3.49 = 9.01									
KOZY	18209	O B	1320 B	GRAND RAPIDS	MN US	5.000 KW, DAN-N	LIC BL		47-10-22N/ 93-27-10W
WFHR:7.48 + WMNN:4.05 + CHQM:2.28 + CHMB:2.28 = 9.10									
KSIV	18221	O B	1320 B	CLAYTON	MO US	0.270 KW, DAN-N	LIC BL	19940714AD	38-36-26N/ 90-21-14W
WKAN:9.67 + WILS:8.27 + WJAS:8.21 + WKIN:7.24 + WCVG:7.14 + WOBL:5.79 + WFHR:5.33 + KELO:5.03 = 20.49									
WAGY	18239	O B	1320 B	FOREST CITY	NC US	0.500 KW, DAN-N	LIC BL	19810811AA	35-21-19N/ 81-52-52W
WJAS:6.54 + WKIN:5.84 + WJGR:4.84 + WISW:3.91 + WCVG:3.28 + KXYZ:3.01 = 11.64									
WCOG	18242	O B	1320 B	GREENSBORO	NC US	5.000 KW, DA2-N	LIC BL	19871027AE	36- 9- 1N/ 79-54-48W
WJAS:8.71 + WKIN:4.01 + WGET:3.38 + WATR:2.99 + WISW:2.98 + WOBL:2.95 = 11.40									
KHRT	18260	O B	1320 B	MINOT	ND US	0.310 KW, ND1-N	LIC BL		48-11-48N/101-14- 0W
KELO:20.72 + KOZY:13.89 = 24.94									
KOLT	18225	O B	1320 B	SCOTTSBLUFF	NE US	1.000 KW, DAN-N	LIC BL	19950809AE	41-51-50N/103-42-20W
KFNZ:3.59 + KXYZ:3.26 + KFKA:2.1 + CHQM:1.99 + CHMB:1.99 + KHRT:1.91 + KWHN:1.82 + KLWN:1.77 + KFH:1.76 = 7.00									
WDER	18227	O B	1320 B	DERRY	NH US	1.000 KW, DA2-N	LIC BL	19861203AA	42-51-59N/ 71-17-14W
WATR:11.35 + WJYT:6.06 = 12.87									
WOBL	18266	O B	1320 B	OBERLIN	OH US	1.000 KW, DA2-N	LIC BL	14303	41-16- 5N/ 82-12-40W
WJAS:9.64 + CJMR:6.45 = 11.60									
NEW	83470	P B	1320 B	MERLIN	OR US	0.500 KW, DA2-N	APP BNP	20040130AAF	42-26-18N/123-24-37W
KFNZ:6.8 + KXRO:5.97 + KCTC:4.7 = 10.20									

FCC Form 301 Section III-A #10b Supporting Exhibits
Polnet Communications, Ltd., WKTA, Evanston, Illinois
Nighttime Allocation Study, Part of Exhibit 16
July 2005

Mueller Broadcast Design
613 S. La Grange Road
La Grange, Illinois 60525
(708) 352-2166

Nighttime RSS Limit Calculations

Run Date: 07-06-2005 15:38:16

<u>Call</u>	<u>AntID</u>	<u>Class</u>	<u>Freq</u>	<u>Location</u>	<u>Power</u>	<u>Mode</u>	<u>Status</u>	<u>File</u>	<u>Coordinates</u>
WTKZ	68830	O B	1320 B	ALLENTOWN	PA US	0.195 KW,	DAN-N	LIC BL	19991201AAQ 40-35-33N/ 75-28-42W
WJAS:7.87 + WATR:6.08 + WGET:4.26 + CJMR:2.87 = 11.19									
WGET	18278	O B	1320 B	GETTYSBURG	PA US	0.500 KW,	DA2-N	LIC BL	39-50-30N/ 77-13-25W
WJAS:19.84 = 19.84									
WJAS	18280	O B	1320 B	PITTSBURGH	PA US	5.000 KW,	DAN-N	LIC BL	40-25-11N/ 79-54-38W
CJMR:2.06 + KXYZ:1.85 + KWHN:1.31 + WCVG:1.19 + WCOG:1.15 + WILS:1.07 + WGET:1 + KSIV:.98 = 3.90									
WJAS	75583	P B	1320 B	PITTSBURGH	PA US	3.300 KW,	DA2-N	CP BP	20020326ABA 40-28-46N/ 79-54-12W
CJMR:2.05 + KXYZ:1.84 + KWHN:1.31 + WCVG:1.18 + WCOG:1.13 + WILS:1.07 + WJYT:.97 + KSIV:.97 = 3.87									
WSKN	78782	O B	1320 B	SAN JUAN	PR US	2.300 KW,	ND2-N	LIC BL	20030414ACI 18-23- 0N/ 66- 4- 1W
YVWT:8.71 + HJPC:6.33 + YVZR:6.31 + 62979:4.26 + HJHT:3.78 + WCOG:3.48 = 14.15									
WISW	18283	O B	1320 B	COLUMBIA	SC US	2.500 KW,	DAN-N	LIC BL	19830907AA 34- 0-16N/ 81- 4-15W
WJAS:3.52 + WCOG:3.2 + WKIN:3.11 + WYRD:2.96 + KXYZ:2.95 + WJGR:2.71 + WDOD:2.66 + WAGY:2.48 + WAGF:2.4 + WCVG:2.27 = 9.01									
KELO	71753	O B	1320 B	SIOUX FALLS	SD US	5.000 KW,	DAN-N	LIC BL	19981009AC 43-29-17N/ 96-38-14W
KOLT:3.43 + KWLO:3.4 + KWHN:3.37 + KLWN:3.09 + KSIV:2.42 + KXYZ:2.38 + KHRT:2.25 + WJAS:2.23 + CHMB:2.17 + CHQM:2.17 = 8.67									
WKIN	18291	O B	1320 B	KINGSPORT	TN US	0.500 KW,	DAN-N	LIC BL	19811127AF 36-33-12N/ 82-28-58W
WJAS:12.52 + WCOG:9.02 + WAGY:7.1 + WJGR:5.2 = 17.76									
KXYZ	18296	O B	1320 B	HOUSTON	TX US	5.000 KW,	DAN-N	LIC BL	19961008AB 29-42-39N/ 95-10-30W
WJAS:2.88 + XECY:2.22 + XE:2.2 + XERJ:1.94 + WOBL:1.82 + XEUI1:1.72 + XEUI:1.71 + KTCK:1.68 + KFNZ:1.65 + WCVG:1.62 + WISW:1.57 = 6.45									
KFNZ	18299	O B	1320 B	SALT LAKE CITY	UT US	5.000 KW,	DA1-U	LIC BL	40-38-36N/111-55-24W
KXYZ:2.74 + KLIH:1.92 + KWHN:1.58 + KWKW:1.09 + KOLT:1.05 + XESY:1.04 = 4.13									
KXRO	18318	O B	1320 B	ABERDEEN	WA US	1.000 KW,	DAN-N	LIC BL	19940927AB 46-57-27N/123-48-33W
CHQM:3.1 + CHMB:3.1 + KFNZ:1.98 + KGDC:1.93 + KKPZ:1.76 + KOLT:1.47 = 5.67									
KGDC	18322	O B	1320 B	WALLA WALLA	WA US	0.066 KW,	ND1-N	LIC BL	19900518AS 46- 1-25N/118-21-17W
KXRO:7.87 + KFNZ:3.22 + CHQM:2.89 + CHMB:2.89 + KOLT:2.66 + KCTC:2.63 = 10.15									
WFHR	1799	O B	1320 B	WISCONSIN RAPIDS	WI US	0.500 KW,	DAN-N	LIC BL	19980910AG 44-24-56N/ 89-50- 6W
WKAN:6.01 + KELO:5.38 + WIBA:4.6 + KOZY:4 + WILS:2.82 + WCVG:2.75 = 10.85									
CKLD	65329	O B	1330 B	THETFORD MINES	QC CA	10.000 KW,	DA1-U	Fac. ID: 105109	46- 3-55N/ 71-23-16W
WRCA:24.53 + WFLP:12.96 = 27.74									
CJYM	65331	O B	1330 B	ROSETOWN	SK CA	10.000 KW,	DA2-U	Fac. ID: 105110	51-27-31N/107-59-37W
WMNN:10.01 + KOVE:6.22 = 11.79									
CMCP	15316	O C	1330 C	ARTEMISA	CU	0.500 KW,	ND1-N	Fac. ID: 103878	22-48- 0N/ 82-15- 0W
WJNX:7.14 + WYRD:6.05 + XEFC:5.18 = 10.70									
CMKM	15320	O C	1330 C	BANES	CU	1.000 KW,	ND1-N	Fac. ID: 103880	20-59- 0N/ 75-43- 0W
WJNX:6.7 + WYRD:4.9 = 8.30									
XENVA2	61814	P B	1330 B	NUEVO CASAS GRANDES	CH MX	0.100 KW,	ND1-N	Fac. ID: 103066	30-21-55N/107-58-42W
KGAK:10.06 + KWKW:9.75 + KLBO:9.11 = 16.71									

FCC Form 301 Section III-A #10b Supporting Exhibits
Polnet Communications, Ltd., WKTA, Evanston, Illinois
Nighttime Allocation Study, Part of Exhibit 16
July 2005

Mueller Broadcast Design
613 S. La Grange Road
La Grange, Illinois 60525
(708) 352-2166

Nighttime RSS Limit Calculations

Run Date: 07-06-2005 15:38:16

<u>Call</u>	<u>AntID</u>	<u>Class</u>	<u>Freq</u>	<u>Location</u>		<u>Power</u>	<u>Mode</u>	<u>Status</u>	<u>File</u>	<u>Coordinates</u>
XEWQ	61815	O B	1330 B	MONCLOVA	CI MX	0.250 KW,	ND1-N	Fac. ID:	103067	26-55- 4N/101-24-33W
KFH:9.67 + XEBO:5.81 = 11.28										
XEAJ	35380	O B	1330 B	SALTILLO	CI MX	0.100 KW,	ND1-N	Fac. ID:	103068	25-24- 6N/101-58-38W
KFH:6.97 + XEBO:6.75 + XE:5.94 = 11.38										
XEAJ1	61818	P B	1330 B	SALTILLO	CI MX	0.250 KW,	ND1-N	Fac. ID:	114908	25-24- 6N/100-58-38W
KFH:7.67 + XEBO:6.76 + XENP:5.45 = 11.59										
XEMAC	61820	P B	1330 B	MANZANILLO	CL MX	1.000 KW,	ND1-N	Fac. ID:	103069	19- 3-15N/104-19-46W
XEBO:7.94 + XENP:6.86 + XEEV:5.4 = 11.80										
XEOCC	61824	P B	1330 B	SANTO TOMAS OXCHUC	CS MX	0.500 KW,	ND1-N	Fac. ID:	103070	16-47-18N/ 92-20-21W
XEAH:7.89 + XEFC:6.6 = 10.29										
XE	61828	O B	1330 B	DURANGO	DU MX	0.500 KW,	ND1-N	Fac. ID:	103072	24-14-53N/104-39-39W
XEBO:6.79 + XEMAC:5.99 + XENP:5.91 + KLBO:5.65 = 12.20										
XEBO	61834	O B	1330 B	IRAPUATO	GT MX	1.000 KW,	ND1-N	Fac. ID:	103076	20-37-52N/101-21-32W
XEMAC:7.38 + XEEV:6.83 + XENP:6.82 = 12.15										
XENP	61840	P B	1330 B	OCOTLAN	JA MX	0.500 KW,	ND1-N	Fac. ID:	103080	20-20- 0N/102-45- 0W
XEBO:9.7 + XEMAC:8.63 = 12.98										
XEAH	61844	O B	1330 B	JUCHITAN	OA MX	1.000 KW,	ND1-N	Fac. ID:	103082	16-26-34N/ 95- 1-43W
XEEV:6.4 + XEOCC:5.99 + XEFC:5.31 = 10.25										
XEEV	61848	O B	1330 B	IZUCAR DE MATAMOROS	PU MX	1.000 KW,	ND1-N	Fac. ID:	103084	18-36-44N/ 98-27-45W
XEBO:7.79 + XEAH:6.8 + XENP:5.86 = 11.89										
XEUAS	35417	O B	1330 B	CULIACAN	SI MX	0.130 KW,	ND1-N	Fac. ID:	103086	24-49-10N/107-21-25W
KLBO:7.19 + XE:6.07 + KWKW:5.89 = 11.10										
XEUAS1	61853	P B	1330 B	CULIACAN	SI MX	0.200 KW,	ND -N	Fac. ID:	114946	24-49-10N/107-21-25W
KLBO:7.19 + XE:6.07 + KWKW:5.89 = 11.10										
XERP	61857	O B	1330 B	CD.MADERO	TA MX	0.250 KW,	ND1-N	Fac. ID:	103089	22-15-15N/ 97-51- 0W
XEBO:7.58 + XEEV:6.59 + XENP:5.61 = 11.50										
XEUZ	61863	O B	1330 B	MARTINEZ DE LA TORREVC	MX	0.100 KW,	ND1-N	Fac. ID:	103092	20- 3-58N/ 97- 2-36W
XEEV:8.24 + XEBO:7.23 + XEAH:6.67 = 12.83										
XEFC	61871	O B	1330 B	MERIDA	YC MX	1.000 KW,	ND1-N	Fac. ID:	103097	21- 0- 4N/ 89-35-46W
XEAH:4.91 + XEOCC:4.7 + XEEV:3.46 = 7.63										
NEW	87829	P B	1330 B	JUNEAU	AK US	3.500 KW,	ND2-N	APP BNP	20041029AGJ	58-19-54N/134-27-46W
KKPZ:2.62 + CJYM:1.02 + CHMB:.91 + CHQM:.91 = 3.09										
KJLL	18490	O B	1330 B	SOUTH TUCSON	AZ US	5.000 KW,	DAN-N	LIC BL	19850321AE	32-18-51N/110-50-17W
KGAK:11.26 + KWKW:11.22 = 15.90										
KWKW	18500	O B	1330 B	LOS ANGELES	CA US	5.000 KW,	DAN-N	LIC BL		34- 1-10N/118-20-42W
KFH:2.08 + KKPZ:2.06 + KWLO:1.66 + KWXY:1.36 + KAVC:1.3 + KCTC:1.23 + KLBS:1.22 + KVOL:1.08 = 4.36										
KLBS	18503	O B	1330 B	LOS BANOS	CA US	5.000 KW,	DAN-N	LIC BL	19861119AB	37- 5-51N/120-49-51W
KWKW:17.31 = 17.31										

FCC Form 301 Section III-A #10b Supporting Exhibits
Polnet Communications, Ltd., WKTA, Evanston, Illinois
Nighttime Allocation Study, Part of Exhibit 16
July 2005

Mueller Broadcast Design
613 S. La Grange Road
La Grange, Illinois 60525
(708) 352-2166

Nighttime RSS Limit Calculations

Run Date: 07-06-2005 15:38:16

<u>Call</u>	<u>AntID</u>	<u>Class</u>	<u>Freq</u>	<u>Location</u>	<u>Power</u>	<u>Mode</u>	<u>Status</u>	<u>File</u>	<u>Coordinates</u>
NEW	84874	P B	1330 B	SANTA MARIA	CA US	1.000 KW, ND2-N	APP BNP	20040130BNQ	34-57- 0N/120-30- 0W
KWKW:29.16 + KLBS:13.47 = 32.12									
NEW	82359	P B	1330 B	SHASTA LAKE CITY	CA US	1.000 KW, DAN-N	APP BNP	20040128AKV	40-39-50N/122-17-10W
KKPZ:9.72 + KWKW:5.91 + KLBS:3.37 = 11.86									
KSNA	88738	O B	1330 B	SHASTA LAKE CITY	CA US	1.000 KW, DA2-N	LIC BL	20040719AEL	40-40-48N/122-16- 1W
KKPZ:9.76 + KWKW:5.87 + KLBS:3.26 = 11.85									
WJNX	18508	O B	1330 B	FORT PIERCE	FL US	1.000 KW, DA2-N	LIC BL	19880520AD	27-27-20N/ 80-22- 2W
WYRD:12.96 + WMLT:5.68 + WPJS:4.86 + WBTM:4.26 + KVOL:4.13 = 16.09									
WMLT	18539	O B	1330 B	DUBLIN	GA US	0.500 KW, DAN-N	LIC BL		32-33-50N/ 82-52- 0W
WYRD:11.1 + WPJS:4.25 + WBTM:3.48 + WVHI:3.37 = 12.84									
KWLO	18567	O B	1330 B	WATERLOO	IA US	5.000 KW, DA2-N	LIC BL		42-28- 1N/ 92-15-59W
WHBL:4.17 + KFH:2.89 + WVHI:2.54 + WMNN:2.48 + WYRD:1.9 + WTRX:1.64 = 6.68									
WKTA	18548	O B	1330 B	EVANSTON	IL US	0.017 KW, DAD-N	LIC BL	19930428AD	42- 8-23N/ 87-53- 9W
KWLO:6.64 + WHBL:5.39 + WTRX:4.03 + WMNN:3.45 + KFH:3.23 + WYRD:3.02 = 10.99									
WVHI	18559	O B	1330 B	EVANSVILLE	IN US	1.000 KW, DAN-N	LIC BL		38- 3-12N/ 87-35-40W
WYRD:5.95 + KFH:3.78 + WASN:3.03 + KVOL:2.7 + WFLP:2.51 + KWLO:2.48 + WHBL:2.39 = 9.18									
KFH	18569	O B	1330 B	WICHITA	KS US	5.000 KW, DAN-N	LIC BL		37-42-47N/ 97-14-51W
KWKW:2.13 + WYRD:1.78 + KLBS:1.56 + KINE:1.25 + KEBC:1.25 + KTFX:1.2 + XEBO:1.01 + WHBL:1.01 = 4.09									
KVOL	1834	O B	1330 B	LAFAYETTE	LA US	1.000 KW, DAN-N	LIC BZ	19981016AA	30-14-29N/ 92- 3-31W
KFH:10.89 + WNIX:7.75 + WVHI:6.5 + KWLO:4.5 + WYRD:4.45 = 16.15									
KVOL	18579	O B	1330 B	LAFAYETTE	LA US	1.000 KW, DAN-N	LIC BL		30-14-29N/ 92- 3-31W
KFH:10.89 + WNIX:7.75 + WVHI:6.5 + KWLO:4.5 + WYRD:4.45 = 16.15									
WRCA	67040	O B	1330 B	WALTHAM	MA US	5.000 KW, DA2-N	LIC BL	14408	42-21-16N/ 71-15-44W
WWRV:6.89 + CKLD:5.98 + WSPQ:4.3 = 10.09									
WRCA	77103	P B	1330 B	WATERTOWN	MA US	17.000 KW, DA2-N	CP BMP	20020926ACN	42-17-20N/ 71-11-21W
CKLD:6.08 + WWRV:5.96 + WSPQ:4.14 = 9.47									
WASA	18583	O B	1330 B	HAVRE DE GRACE	MD US	0.500 KW, DAN-N	LIC BL	19790515AF	39-33-55N/ 76- 7- 8W
WWRV:5.22 + WFLP:5.08 + WASN:4.6 + WSPQ:4.09 + WYRD:3.86 = 10.29									
WTRX	18601	O B	1330 B	FLINT	MI US	1.000 KW, DA2-N	LIC BL	19780815AL	42-58-24N/ 83-39- 2W
WYRD:4.28 + WHBL:3.86 + WASN:2.73 + WFLP:2.35 + WSPQ:2.33 + WVHI:2.19 + KWLO:2.04 + KFH:1.97 = 8.03									
WMNN	1858	O B	1330 B	MINNEAPOLIS	MN US	5.100 KW, DA2-N	LIC BL	19981112AB	44-47- 2N/ 93-20-38W
KFH:3.66 + KWLO:3.61 + WHBL:2.91 = 5.91									
WNIX	18622	O B	1330 B	GREENVILLE	MS US	0.500 KW, DAN-N	LIC BL		33-24-36N/ 91- 1- 3W
WVHI:11.83 + KFH:8.87 + KVOL:7.49 + KWLO:5.51 + WYRD:5.24 = 18.24									
KGAK	18630	O B	1330 B	GALLUP	NM US	1.000 KW, DAN-N	LIC BL	19831206AH	35-32-34N/108-44-11W
KWKW:7.8 + KOVE:6.12 + KFH:5.63 + KLBO:5.2 + KLBS:4.29 = 13.25									
WWRV	75241	O B	1330 B	NEW YORK	NY US	5.000 KW, DA2-N	LIC BL	20020131ABX	40-54-39N/ 74- 1-42W
WYRD:2.56 + WRCA:1.86 + WASA:1.79 + WSPQ:1.43 + CKLD:1.38 + WFLP:1.34 + WJNX:1.29 + WHAT:1.28 + WASN:1.27 + WYCK:1.22 = 5.04									

FCC Form 301 Section III-A #10b Supporting Exhibits
Polnet Communications, Ltd., WKTA, Evanston, Illinois
Nighttime Allocation Study, Part of Exhibit 16
July 2005

Mueller Broadcast Design
613 S. La Grange Road
La Grange, Illinois 60525
(708) 352-2166

Nighttime RSS Limit Calculations

Run Date: 07-06-2005 15:38:16

<u>Call</u>	<u>AntID</u>	<u>Class</u>	<u>Freq</u>	<u>Location</u>	<u>Power</u>	<u>Mode</u>	<u>Status</u>	<u>File</u>	<u>Coordinates</u>
NEW	84837	P B	1330 B	ONTARIO NY US	2.000 KW,	DA2-N	APP BNP	20040130BNA	43- 9- 0N/ 77-22- 0W
WFLP:17.79 + WSPQ:17.27 + WASN:8.96 + WWRV:8.38 = 27.66									
NEW	89035	P B	1330 B	ONTARIO NY US	2.000 KW,	DA2-N	APP BNP	20050118AGP	43-10-49N/ 77-18-15W
WSPQ:17.87 + WFLP:17.82 + WASN:8.85 + WWRV:8.53 = 28.07									
WSPQ	18643	O B	1330 B	SPRINGVILLE NY US	1.000 KW,	DA2-N	LIC BL	19860408AC	42-29-53N/ 78-41-10W
WASN:8.99 + WFLP:6.18 + WYRD:4.59 + WASA:4.4 + WWRV:4.19 = 13.30									
WASN	18659	O B	1330 B	CAMPBELL OH US	1.000 KW,	DA2-N	LIC BL		40-58-30N/ 80-35-15W
WFLP:9.46 + WYRD:7.62 + WSPQ:5.73 + WWRV:4.68 = 14.22									
WGFT	80692	P B	1330 B	CAMPBELL OH US	0.215 KW,	DA2-N	CP BP	20030807ADY	41- 5-21N/ 80-36-55W
WFLP:9.12 + WYRD:7.43 + WSPQ:5.97 + WWRV:4.39 = 13.90									
KKPZ	18679	O B	1330 B	PORTLAND OR US	5.000 KW,	DA1-U	LIC BL		45-27-13N/122-32-45W
KWKW:2 + KFH:1.93 + KWLO:1.42 + KVSU:1.3 + KLOO:1.25 + KJLL:1.22 + KBBR:1.22 + KGAK:1.16 + KTCR:1.14 + KWWX:1.13 = 4.46									
WFLP	18681	O B	1330 B	ERIE PA US	5.000 KW,	DA2-N	LIC BL	14457	41-59-32N/ 80- 1-44W
WSPQ:6.12 + WYRD:5.78 + WASA:3.7 + WASN:3.35 + WJAS:3.24 + WWRV:2.8 + WTRX:2.76 = 11.03									
WENA	2051	O B	1330 B	YAUCO PR US	1.400 KW,	DA1-N	LIC BL	19990816DE	18- 2- 4N/ 66-51-48W
YVOY:8.38 + YVPJ:6.04 + HJNR:5.16 + WYRD:3.55 = 12.08									
WPJS	18685	O B	1330 B	CONWAY SC US	0.500 KW,	DAN-N	LIC BL		33-50-57N/ 79- 4-11W
WYRD:42.45 + WBTM:19.13 = 46.56									
WYRD	18687	O B	1330 B	GREENVILLE SC US	5.000 KW,	DAN-N	LIC BL		34-51-18N/ 82-25-24W
WPJS:1.67 + WBTM:1.59 + WMLT:1.57 + WBBQ:1.4 + WJRI:1.37 + WSSC:1.34 + KFH:1.33 + WADE:1.31 + WRHI:1.31 + XEFC:1.28 + WBAC:1.24 + WKGN:1.21 = 4.82									
KINE	18695	O B	1330 B	KINGSVILLE TX US	0.280 KW,	ND1-N	LIC BL		27-36-36N/ 97-47-42W
KFH:10.49 + KLBO:8.95 + XEWQ:5.09 + XEAI:4.55 + XEBO:4.08 = 15.92									
KLBO	67042	O B	1330 B	MONAHANS TX US	1.000 KW,	DAN-N	LIC		31-38-45N/103- 0- 4W
KFH:9.92 + KGAK:6.34 + KJLL:5.1 + KVOL:4.8 + KWKW:3.64 = 14.17									
WBTM	18714	O B	1330 B	DANVILLE VA US	1.000 KW,	DAN-N	LIC BL		36-36-36N/ 79-25-47W
WYRD:9.6 + WPJS:3.9 + WVHI:3.42 + WWRV:2.99 = 11.31									
WHBL	18743	O B	1330 B	SHEBOYGAN WI US	1.000 KW,	DA2-N	LIC BL		43-43-14N/ 87-44- 4W
KWLO:3.81 + WTRX:2.48 + WYRD:2.42 + KFH:2.23 + WVHI:1.76 = 5.88									
KOVE	18747	O B	1330 B	LANDER WY US	1.000 KW,	DAN-N	LIC BL		42-50-35N/108-44-38W
KFH:8.09 + KWKW:6.27 + KWLO:5.41 + KGAK:4.21 + KLBS:3.65 = 12.85									
NEW	82784	P B	1340 B	FAIRBANKS AK US	1.000 KW,	ND3-N	APP BNP	20040129AIK	64-49- 1N/147-44-54W
CFYK:.7 + CIVH:.31 = 0.77									
NEW	82125	P B	1340 B	KENAI AK US	2.000 KW,	ND2-N	APP BNP	20040128AAP	60-30-39N/151-16-12W
CFYK:.46 + CIVH:.32 + KLKI:.22 + KBBR:.21 + KLOO:.2 + KVSU:.19 + CINL:.19 + KATA:.18 = 0.74									
NEW	84410	P B	1340 B	HONALO HI US	2.500 KW,	ND2-N	APP BNP	20040130BBX	19-31-10N/155-55- 8W
KOMY:.36 + KATA:.34 + HCPB6:.32 + KCBL:.32 + KEWE:.32 + KAVC:.32 + KBBR:.32 + KWCY:.31 + KXEQ:.31 + KGLW:.3 + XEAA:.29 + KLOO:.29 + YVNE:.29 + KXXT:.28 = 1.17									

FCC Form 301 Section III-A #10b Supporting Exhibits
Polnet Communications, Ltd., WKTA, Evanston, Illinois
Nighttime Allocation Study, Part of Exhibit 16
July 2005

Mueller Broadcast Design
613 S. La Grange Road
La Grange, Illinois 60525
(708) 352-2166

Nighttime RSS Limit Calculations

Run Date: 07-06-2005 15:38:16

<u>Call</u>	<u>AntID</u>	<u>Class</u>	<u>Freq</u>	<u>Location</u>	<u>Power</u>	<u>Mode</u>	<u>Status</u>	<u>File</u>	<u>Coordinates</u>
NEW	81629	P B	1340 B	HONAUNAU	HI US	5.000 KW, ND2-N	APP BNP	20040126APF	19-31-13N/155-55-18W
KOMY:.36 + KATA:.34 + HCPB6:.32 + KCBL:.32 + KEWE:.32 + KAVC:.32 + KBBR:.32 + KWKY:.31 + KXEQ:.31 + KGLW:.3 + XEAA:.29 + KLOO:.29 + YVNE:.29 + KXXT:.28 = 1.17									
NEW	89115	P B	1340 B	HOUGHTON	MI US	1.000 KW, ND2-N	APP BNP	20050118AKM	47- 6-13N/ 88-34- 4W
KRBT:9.14 + WAGN:8.92 + WMTE:8.04 + WMBN:8.01 + WJYI:6.4 + WBBL:6.15 + KROC:6.11 + KVBR:6.04 + WLDY:5.81 + CKNR:5.79 = 22.62									
NEW	84335	P B	1340 B	LAKEVIEW	OR US	0.250 KW, ND3-N	APP BNP	20040130BAJ	42-11-20N/120-20-41W
KXEQ:11.23 + KEWE:10.58 + KBBR:10.1 + KATA:9.9 + KLOO:9.74 + KTSN:8.51 + KHR:7.9 + KWVR:7.51 + KTCR:7.14 = 27.84									
WWNA	74497	O B	1340 B	AGUADILLA	PR US	0.950 KW, ND2-N	LIC BL	20011011ABK	18-24- 0N/ 67- 9-48W
WSTA:14.2 + YVNE:8.31 + HJPY:5.92 + ZBM 2:5.01 = 18.19									
WSTA	19273	O B	1340 B	CHARLOTTE AMALIE	VI US	1.000 KW, ND1-N	LIC BL	19850204AD	18-20-10N/ 64-57-17W
WWNA:12.81 + YVNE:7.5 + HJPY:5.24 + ZBM 2:5.08 = 16.54									

Nighttime Radiation Limit Calculations

Call	KHz.	Cls	Location		GC-KM	SL-KM	Bear.	G-MP	M-MP	S.W.F.	Min	Max	RSS50	RSS25	MaxIDF
WHBL	1330	BO	SHEBOYGAN	WI US	176.2	266.6	4.1°	42.9°	53.7°	0.307199	38.8°	53.2°	5.15	5.88	23.9
CKLD	1330	BO	THETFORD MINES	QC CA	1384.6	1399.0	66.0°	44.4°	55.6°	0.032901	4.8°	4.8°	27.75	-n/a-	2108.1
WTRX	1330	BO	FLINT	MI US	359.0	410.9	73.6°	42.6°	53.5°	0.160474	21.0°	32.8°	5.76	8.03	62.5
WILS	1320	BO	LANSING	MI US	279.8	343.9	76.2°	42.4°	53.3°	0.211938	26.6°	39.9°	7.52	9.01	531.6
NEW	1330	BP	ONTARIO	NY US	872.3	894.9	78.8°	42.8°	53.9°	0.042191	7.4°	13.3°	25.24	28.07	831.7
NEW	1330	BP	ONTARIO	NY US	867.0	889.8	79.0°	42.8°	53.9°	0.042683	7.5°	13.5°	24.79	27.66	810.1
WDER	1320	BO	DERRY	NH US	1360.7	1375.4	81.0°	42.8°	54.1°	0.018054	3.0°	6.9°	12.87	12.87	8908.3
WRCA	1330	BO	WALTHAM	MA US	1366.2	1380.8	83.4°	42.5°	53.8°	0.018226	2.9°	6.8°	9.12	10.09	691.7
WRCA	1330	BP	WATERTOWN	MA US	1372.8	1387.3	83.7°	42.5°	53.8°	0.018086	2.9°	6.8°	8.51	9.47	654.3
WSPQ	1330	BO	SPRINGVILLE	NY US	757.0	783.0	83.9°	42.4°	53.5°	0.054818	9.1°	15.8°	10.91	13.30	303.4
WJYT	1320	BO	ATTLEBORO	MA US	1365.1	1379.7	85.3°	42.3°	53.6°	0.018505	2.9°	6.8°	6.65	7.37	4978.4
WATR	1320	BO	WATERBURY	CT US	1230.7	1246.9	88.1°	42.1°	53.3°	0.023125	3.9°	8.2°	6.50	8.06	4355.2
WFLP	1330	BO	ERIE	PA US	648.5	678.6	88.8°	42.1°	53.2°	0.071296	11.1°	18.8°	8.42	11.03	193.4
WWRV	1330	BO	NEW YORK	NY US	1160.2	1177.3	92.1°	41.7°	52.9°	0.026427	4.5°	9.0°	3.64	5.04	238.2
WTKZ	1320	BO	ALLENTOWN	PA US	1048.5	1067.4	95.3°	41.5°	52.7°	0.032261	5.5°	10.5°	9.95	11.19	4337.0
WGFT	1330	BP	CAMPBELL	OH US	615.3	647.0	98.5°	41.7°	52.7°	0.078652	11.8°	19.8°	13.19	13.90	221.0
WASN	1330	BO	CAMPBELL	OH US	620.7	652.1	99.6°	41.6°	52.6°	0.077775	11.7°	19.7°	12.15	14.22	228.6
WOBL	1320	BO	OBERLIN	OH US	480.8	520.8	99.7°	41.7°	52.7°	0.112473	15.6°	25.3°	11.60	11.60	1289.1
WASA	1330	BO	HAVRE DE GRACE	MD US	1029.2	1048.4	102.2°	41.0°	52.1°	0.034254	5.6°	10.7°	8.61	10.29	375.4
WGET	1320	BO	GETTYSBURG	PA US	929.8	951.1	102.4°	41.1°	52.2°	0.040810	6.7°	12.3°	19.84	19.84	6077.0
WJAS	1320	BP	PITTSBURGH	PA US	691.5	719.8	102.8°	41.4°	52.4°	0.066238	10.2°	17.5°	2.75	3.87	730.9
WJAS	1320	BO	PITTSBURGH	PA US	693.0	721.2	103.4°	41.3°	52.4°	0.066081	10.2°	17.5°	2.77	3.90	738.1
WBTM	1330	BO	DANVILLE	VA US	951.1	971.9	127.5°	39.4°	50.5°	0.042026	6.5°	12.0°	9.60	11.31	336.5
WCOG	1320	BO	GREENSBORO	NC US	956.3	977.0	131.5°	39.2°	50.3°	0.042013	6.4°	11.9°	8.71	11.40	3390.9

FCC Form 301 Section III-A #10b Supporting Exhibits
Polnet Communications, Ltd., WKTA, Evanston, Illinois
Nighttime Allocation Study, Part of Exhibit 16
July 2005

Mueller Broadcast Design
613 S. La Grange Road
La Grange, Illinois 60525
(708) 352-2166

Nighttime Radiation Limit Calculations

Call	KHz.	Cls	Location			GC-KM	SL-KM	Bear.	G-MP	M-MP	S.W.F.	Min	Max	RSS50	RSS25	MaxIDF
WSTA	1340	BO	CHARLOTTE AMALIE	VI	US	3420.0	3425.8	133.7°	30.7°	42.2°	0.005067	0.0°	0.0°	14.84	16.54	10000+
WSKN	1320	BO	SAN JUAN	PR	US	3350.3	3356.2	135.4°	30.7°	42.1°	0.005298	0.0°	0.0°	12.48	14.15	10000+
WENA	1330	BO	YAUCO	PR	US	3337.5	3343.4	137.0°	30.5°	41.9°	0.005383	0.0°	0.0°	10.33	12.08	2805.2
WWNA	1340	BO	AGUADILLA	PR	US	3286.2	3292.3	137.1°	30.7°	42.1°	0.005525	0.0°	0.0°	16.45	18.19	10000+
WPJS	1330	BO	CONWAY	SC	US	1201.2	1217.8	137.2°	38.1°	49.2°	0.029441	4.1°	8.5°	42.45	46.56	1976.9
WCVG	1320	BO	COVINGTON	KY	US	446.8	489.5	139.2°	40.6°	51.5°	0.127934	16.8°	27.1°	27.23	29.91	2922.7
WKIN	1320	BO	KINGSPORT	TN	US	775.3	800.6	141.5°	39.4°	50.3°	0.059123	8.8°	15.4°	15.43	17.76	3755.8
WAGY	1320	BO	FOREST CITY	NC	US	916.0	937.6	143.5°	38.8°	49.8°	0.045888	6.9°	12.6°	10.01	11.64	3169.8
WISW	1320	BO	COLUMBIA	SC	US	1082.6	1100.9	144.4°	38.1°	49.1°	0.035324	5.1°	10.0°	6.40	9.01	3189.7
WYRD	1330	BO	GREENVILLE	SC	US	938.6	959.7	147.9°	38.5°	49.5°	0.044449	6.6°	12.2°	3.12	4.82	135.6
CMKM	1330	CO	BANES		CU	2613.0	2620.7	150.4°	31.7°	42.9°	0.005040	0.0°	0.0°	8.31	-n/a-	4117.4
WJNX	1330	BO	FORT PIERCE	FL	US	1769.2	1780.5	154.9°	34.9°	45.9°	0.016313	0.7°	3.7°	12.96	16.09	1233.3
WJGR	1320	BO	JACKSONVILLE	FL	US	1426.3	1440.2	155.4°	36.3°	47.3°	0.023141	2.5°	6.3°	4.22	6.44	3477.0
WMLT	1330	BO	DUBLIN	GA	US	1152.8	1170.0	155.8°	37.4°	48.3°	0.032533	4.5°	9.1°	11.10	12.84	493.2
WLQY	1320	BO	HOLLYWOOD	FL	US	1921.0	1931.4	156.4°	34.1°	45.2°	0.014313	0.0°	2.8°	15.11	17.15	10000+
WAMR	1320	BO	VENICE	FL	US	1744.2	1755.6	161.7°	34.7°	45.6°	0.016898	0.8°	3.9°	30.14	31.63	10000+
CMCP	1330	CO	ARTEMISA		CU	2212.9	2221.9	164.6°	32.5°	43.5°	0.007861	0.0°	0.0°	10.70	-n/a-	3401.7
NEW	1320	BP	COOSA	GA	US	904.1	925.9	165.0°	38.2°	49.1°	0.047889	7.0°	12.8°	19.08	21.42	5589.7
WAGF	1320	BO	DOTHAN	AL	US	1231.0	1247.1	168.8°	36.7°	47.6°	0.029734	3.9°	8.2°	9.49	11.77	4949.5
WVHI	1330	BO	EVANSVILLE	IN	US	455.0	497.0	176.7°	40.1°	50.9°	0.126574	16.5°	26.7°	7.05	9.18	90.7
WKAN	1320	BO	KANKAKEE	IL	US	111.8	229.1	176.9°	41.6°	52.4°	0.388041	51.9°	64.7°	20.93	26.70	860.0
XEFC	1330	BO	MERIDA	YC	MX	2355.7	2364.1	184.4°	31.6°	42.3°	0.006533	0.0°	0.0°	7.63	-n/a-	2918.8
XEOCC	1330	BP	SANTO TOMAS OXCH	CS	MX	2850.3	2857.3	189.9°	29.5°	40.1°	0.004068	0.0°	0.0°	10.29	-n/a-	6321.6
XEAH	1330	BO	JUCHITAN	OA	MX	2937.0	2943.9	195.6°	29.3°	39.8°	0.003782	0.0°	0.0°	10.25	-n/a-	6775.3
WNIX	1330	BO	GREENVILLE	MS	US	1008.6	1028.3	196.8°	37.8°	48.4°	0.040717	5.8°	11.0°	16.57	18.24	559.8
KVOL	1330	BO	LAFAYETTE	LA	US	1374.4	1388.8	197.1°	36.2°	46.8°	0.025086	2.9°	6.8°	13.37	16.15	804.9
KVOL	1330	BO	LAFAYETTE	LA	US	1374.4	1388.8	197.1°	36.2°	46.8°	0.025086	2.9°	6.8°	13.37	16.15	804.9
XEUZ	1330	BO	MARTINEZ DE LA T	VC	MX	2600.5	2608.2	202.1°	31.2°	41.5°	0.005097	0.0°	0.0°	12.83	-n/a-	6294.3
XEEV	1330	BO	IZUCAR DE MATAMO	PU	MX	2800.2	2807.4	204.1°	30.5°	40.8°	0.004244	0.0°	0.0°	11.89	-n/a-	7001.1
XERP	1330	BO	CD.MADERO	TA	MX	2397.3	2405.6	205.8°	32.3°	42.6°	0.006177	0.0°	0.0°	11.51	-n/a-	4656.0
KXYZ	1320	BO	HOUSTON	TX	US	1528.3	1541.3	207.6°	36.0°	46.4°	0.020989	1.9°	5.4°	4.25	6.45	3843.8
KSIV	1320	BO	CLAYTON	MO	US	444.9	487.8	208.8°	40.4°	51.0°	0.129886	16.9°	27.2°	15.15	20.49	1972.1
XEBO	1330	BO	IRAPUATO	GT	MX	2703.8	2711.2	212.0°	31.6°	41.7°	0.004631	0.0°	0.0°	12.15	-n/a-	6558.6
KINE	1330	BO	KINGSVILLE	TX	US	1848.0	1858.8	212.2°	35.0°	45.3°	0.015350	0.3°	3.2°	13.79	15.92	1296.3
XENP	1330	BP	OCOTLAN	JA	MX	2796.5	2803.7	214.5°	31.4°	41.5°	0.004259	0.0°	0.0°	12.98	-n/a-	7621.2
XEMAC	1330	BP	MANZANILLO	CL	MX	2998.4	3005.1	216.2°	30.9°	40.8°	0.003597	0.0°	0.0°	11.80	-n/a-	8202.8
XEAJ1	1330	BP	SALTILLO	CI	MX	2213.7	2222.7	216.9°	33.9°	44.1°	0.007853	0.0°	0.0°	11.59	-n/a-	3688.3
KWHN	1320	BO	FORT SMITH	AR	US	934.6	955.7	218.9°	38.8°	49.3°	0.045045	6.6°	12.2°	10.19	13.53	3754.3
XEAJ	1330	BO	SALTILLO	CI	MX	2264.6	2273.4	219.2°	34.0°	44.1°	0.007355	0.0°	0.0°	11.38	-n/a-	3866.9

FCC Form 301 Section III-A #10b Supporting Exhibits
Polnet Communications, Ltd., WKTA, Evanston, Illinois
Nighttime Allocation Study, Part of Exhibit 16
July 2005

Mueller Broadcast Design
613 S. La Grange Road
La Grange, Illinois 60525
(708) 352-2166

Nighttime Radiation Limit Calculations

<u>Call</u>	<u>KHz.</u>	<u>Cls</u>	<u>Location</u>		<u>GC-KM</u>	<u>SL-KM</u>	<u>Bear.</u>	<u>G-MP</u>	<u>M-MP</u>	<u>S.W.F.</u>	<u>Min</u>	<u>Max</u>	<u>RSS50</u>	<u>RSS25</u>	<u>MaxIDF</u>
XEWQ	1330	BO	MONCLOVA	CI MX	2091.5	2101.0	220.3°	34.7°	44.8°	0.009181	0.5°	0.5°	11.28	-n/a-	3071.9
XE	1330	BO	DURANGO	DU MX	2518.4	2526.3	223.1°	33.5°	43.4°	0.005571	0.0°	0.0°	12.20	-n/a-	5475.0
XEUAS	1330	BO	CULIACAN	SI MX	2627.0	2634.6	229.0°	33.9°	43.6°	0.004977	0.0°	0.0°	11.10	-n/a-	5576.4
XEUAS1	1330	BP	CULIACAN	SI MX	2627.0	2634.6	229.0°	33.9°	43.6°	0.004977	0.0°	0.0°	11.10	-n/a-	5576.4
KLBO	1330	BO	MONAHANS	TX US	1774.9	1786.1	233.8°	37.1°	47.2°	0.015498	0.6°	3.7°	11.78	14.17	1143.2
XENVA2	1330	BP	NUEVO CASAS GRAN	CH MX	2217.5	2226.5	240.3°	36.7°	46.4°	0.007816	0.0°	0.0°	16.71	-n/a-	5345.1
KFH	1330	BO	WICHITA	KS US	936.9	958.0	241.4°	40.0°	50.3°	0.043349	6.6°	12.2°	3.19	4.09	118.0
KLWN	1320	BO	LAWRENCE	KS US	719.4	746.7	242.8°	40.6°	51.0°	0.065173	9.7°	16.7°	12.80	17.39	3336.3
KJLL	1330	BO	SOUTH TUCSON	AZ US	2296.5	2305.2	249.1°	37.8°	47.3°	0.009256	0.0°	0.8°	15.90	15.90	2146.7
KGAK	1330	BO	GALLUP	NM US	1942.5	1952.8	254.7°	39.3°	49.0°	0.011963	0.0°	2.6°	11.40	13.25	1383.9
NEW	1320	BP	WALSENBURG	CO US	1519.3	1532.4	256.5°	40.2°	50.1°	0.018318	2.0°	5.5°	14.10	15.29	10000+
NEW	1320	BP	FLAGSTAFF	AZ US	2191.0	2200.1	257.3°	39.3°	48.8°	0.009465	0.0°	1.3°	15.93	18.31	10000+
NEW	1320	BP	BELLEMONT	AZ US	2211.4	2220.5	257.6°	39.3°	48.8°	0.009282	0.0°	1.2°	16.90	17.70	10000+
KKSM	1320	BO	OCEANSIDE	CA US	2758.8	2766.1	258.6°	38.6°	47.7°	0.006171	0.0°	0.0°	9.37	11.01	10000+
KSDT	1320	BO	HEMET	CA US	2701.6	2709.0	259.4°	38.8°	48.0°	0.006354	0.0°	0.0°	7.62	9.11	10000+
KSDT	1320	BP	REDLANDS	CA US	2702.8	2710.2	260.2°	39.0°	48.1°	0.006299	0.0°	0.0°	9.27	10.81	10000+
KWKW	1330	BO	LOS ANGELES	CA US	2796.9	2804.0	261.3°	39.1°	48.1°	0.005848	0.0°	0.0°	3.37	4.36	932.6
NEW	1320	BP	SANTA MARIA	CA US	2918.9	2925.7	264.9°	39.7°	48.6°	0.005169	0.0°	0.0°	32.58	32.58	10000+
NEW	1330	BP	SANTA MARIA	CA US	2926.7	2933.5	265.0°	39.7°	48.6°	0.005136	0.0°	0.0°	29.16	32.12	7817.0
NEW	1320	BP	KEYSTONE	CO US	1545.5	1558.4	265.6°	41.2°	51.1°	0.016861	1.8°	5.3°	13.84	15.85	10000+
NEW	1320	BP	PORTERVILLE	CA US	2754.3	2761.5	266.3°	40.2°	49.2°	0.005658	0.0°	0.0°	12.76	15.03	10000+
KLBS	1330	BO	LOS BANOS	CA US	2858.1	2865.1	269.8°	40.8°	49.7°	0.005026	0.0°	0.0°	17.31	17.31	4304.8
NEW	1340	BP	HONALO	HI US	6776.1	6779.1	270.7°	35.7°	41.2°	0.001108	0.0°	0.0°	0.67	1.17	10000+
NEW	1340	BP	HONAUNAU	HI US	6776.3	6779.3	270.7°	35.7°	41.2°	0.001108	0.0°	0.0°	0.67	1.17	10000+
KFNZ	1320	BO	SALT LAKE CITY	UT US	2005.2	2015.1	273.3°	42.0°	51.5°	0.009633	0.0°	2.3°	3.34	4.13	5360.0
KCTC	1320	BP	WEST SACRAMENTO	CA US	2837.7	2844.7	273.6°	41.6°	50.5°	0.004804	0.0°	0.0°	10.53	11.59	10000+
KCTC	1320	BO	SACRAMENTO	CA US	2837.7	2844.7	273.6°	41.6°	50.5°	0.004804	0.0°	0.0°	10.53	11.59	10000+
NEW	1320	BP	EWA BEACH	HI US	6825.6	6828.6	273.7°	37.0°	42.3°	0.001019	0.0°	0.0°	1.35	1.65	10000+
NEW	1320	BP	EWA BEACH	HI US	6825.8	6828.7	273.7°	37.0°	42.3°	0.001018	0.0°	0.0°	1.35	1.65	10000+
NEW	1320	BP	EWA BEACH	HI US	6825.8	6828.7	273.7°	37.0°	42.3°	0.001018	0.0°	0.0°	1.35	1.65	10000+
KOLT	1320	BO	SCOTTSBLUFF	NE US	1305.5	1320.8	274.0°	42.3°	52.3°	0.021922	3.3°	7.4°	4.85	7.00	3992.9
KWLO	1330	BO	WATERLOO	IA US	362.0	413.6	277.2°	42.3°	52.9°	0.161195	20.9°	32.6°	5.68	6.68	51.8
NEW	1330	BP	SHASTA LAKE CITY	CA US	2854.1	2861.1	278.4°	42.7°	51.5°	0.004367	0.0°	0.0°	11.37	11.86	3396.3
KSNA	1330	BO	SHASTA LAKE CITY	CA US	2852.1	2859.1	278.4°	42.7°	51.5°	0.004371	0.0°	0.0°	11.39	11.85	3387.9
KOVE	1330	BO	LANDER	WY US	1707.4	1719.1	279.7°	43.0°	52.7°	0.012489	1.0°	4.1°	11.57	12.85	1285.9
NEW	1320	BP	INKOM	ID US	1992.9	2002.9	280.3°	43.1°	52.6°	0.009022	0.0°	2.3°	39.60	39.60	10000+
NEW	1340	BP	LAKEVIEW	OR US	2658.6	2666.1	281.2°	43.3°	52.3°	0.004825	0.0°	0.0°	20.92	27.84	10000+
NEW	1320	BP	MERLIN	OR US	2900.4	2907.3	282.8°	43.7°	52.4°	0.003866	0.0°	0.0°	10.20	10.20	10000+
KELO	1320	BO	SIOUX FALLS	SD US	729.0	755.9	284.8°	42.9°	53.2°	0.058889	9.5°	16.5°	6.65	8.67	1840.8

FCC Form 301 Section III-A #10b Supporting Exhibits
Polnet Communications, Ltd., WKTA, Evanston, Illinois
Nighttime Allocation Study, Part of Exhibit 16
July 2005

Mueller Broadcast Design
613 S. La Grange Road
La Grange, Illinois 60525
(708) 352-2166

Nighttime Radiation Limit Calculations

Call	KHz.	Cls	Location		GC-KM	SL-KM	Bear.	G-MP	M-MP	S.W.F.	Min	Max	RSS50	RSS25	MaxIDF
KKPZ	1330	BO	PORTLAND	OR US	2783.8	2791.0	289.5°	45.1°	54.0°	0.003655	0.0°	0.0°	3.12	4.46	1525.3
KGDC	1320	BO	WALLA WALLA	WA US	2455.9	2464.0	290.6°	45.1°	54.2°	0.004831	0.0°	0.0°	7.87	10.15	10000+
KXRO	1320	BO	ABERDEEN	WA US	2870.1	2877.1	293.1°	46.0°	54.7°	0.003093	0.0°	0.0°	4.39	5.67	10000+
WMNN	1330	BO	MINNEAPOLIS	MN US	529.4	565.9	305.6°	43.5°	54.0°	0.094036	14.0°	23.1°	5.91	5.91	78.5
KHRT	1320	BO	MINOT	ND US	1241.6	1257.6	307.4°	45.4°	55.5°	0.019542	3.8°	8.1°	24.95	24.94	10000+
CJYM	1330	BO	ROSETOWN	SK CA	1838.5	1849.3	311.2°	47.2°	57.0°	0.013640	1.8°	1.8°	11.78	-n/a-	2160.0
NEW	1330	BP	JUNEAU	AK US	3669.4	3674.9	315.6°	52.5°	60.0°	0.000608	0.0°	0.0°	2.62	3.09	6353.5
NEW	1340	BP	KENAI	AK US	4627.5	4631.8	318.5°	55.5°	60.0°	0.000272	0.0°	0.0°	0.56	0.74	10000+
NEW	1320	BP	SOLDOTNA	AK US	4619.6	4623.9	318.6°	55.5°	60.0°	0.000274	0.0°	0.0°	3.55	3.55	10000+
NEW	1320	BP	KNIK	AK US	4534.4	4538.8	319.7°	55.7°	60.0°	0.000293	0.0°	0.0°	3.42	3.42	10000+
KOZY	1320	BO	GRAND RAPIDS	MN US	711.6	739.2	323.7°	44.7°	55.2°	0.055980	9.8°	17.0°	8.51	9.10	2031.2
NEW	1340	BP	FAIRBANKS	AK US	4451.8	4456.3	325.1°	57.0°	60.0°	0.000313	0.0°	0.0°	0.70	0.77	10000+
WFHR	1320	BO	WISCONSIN RAPIDS	WI US	298.2	359.0	328.7°	43.3°	53.9°	0.195596	25.1°	38.0°	9.29	10.85	693.4
NEW	1340	BP	HOUGHTON	MI US	554.5	589.5	354.6°	44.6°	55.3°	0.083117	13.3°	22.1°	17.09	22.62	3402.2

KEY:

Call = Callsign	KHz. = Frequency in Kilohertz	Cls = Station Class
Location = City, State, Country	GC-KM = Distance in kilometers	SL-KM = Slant distance in KM
Bear. = Bearing to station in degrees	G-MP = Geographic Midpoint Latitude	M-MP = Geomagnetic Midpoint Latitude
S.W.F. = Skywave Factor in mv/m	Min = Minimum Critical Angle in degrees	Max = Maximum Critical Angle in degrees
RSS50 = 50% exclusion RSS	RSS25 = 25% exclusion RSS	

MaxIDF = Maximum allowable radiation in mv/m/km at the appropriate critical angles.

FCC Form 301 Section III-A #10b Supporting Exhibits
Polnet Communications, Ltd., WKTA, Evanston, Illinois
Nighttime Allocation Study, Part of Exhibit 16
July 2005

Mueller Broadcast Design 613 S. La Grange Road La Grange, Illinois 60525 (708) 352-2166

Vert. Elev.	Critical Bearings from WKTA:						
-----	4.08°	73.61°	147.85°	176.72°	241.42°	277.24°	305.58°
-----	-----	-----	-----	-----	-----	-----	-----
0°	32.64	43.46	110.65	88.41	104.19	57.97	45.80
5°	32.48	43.13	109.79	87.90	103.31	57.58	45.42
10°	32.01	42.15	107.25	86.40	100.71	56.40	44.27
15°	31.21	40.57	103.10	83.91	96.51	54.49	42.43
20°	30.08	38.48	97.50	80.47	90.87	51.91	40.00
25°	28.64	35.98	90.65	76.14	84.06	48.75	37.09
30°	26.89	33.18	82.79	70.98	76.34	45.10	33.85
35°	24.84	30.19	74.20	65.10	68.03	41.09	30.43
40°	22.54	27.12	65.17	58.63	59.42	36.83	26.96
45°	20.04	24.06	56.01	51.73	50.83	32.45	23.58
50°	17.43	21.07	47.00	44.57	42.50	28.05	20.37
55°	14.81	18.18	38.40	37.36	34.67	23.74	17.38
60°	12.31	15.41	30.42	30.29	27.50	19.61	14.63

At minimum critical angles:

Theta=	38.8°	21.0°	6.6°	16.5°	6.6°	20.9°	14.0°
E(mv)=	23.11	38.01	109.16	82.98	102.66	51.38	42.85

At maximum critical angles:

Theta=	53.2°	32.8°	12.2°	26.7°	12.2°	32.6°	23.1°
E(mv)=	15.75	31.52	105.61	74.47	99.05	43.05	38.24

Point=	WHBL	WTRX	WYRD	WVHI	KFH	KWLO	WMNN
RadLim=	23.93	62.54	135.62	90.69	118.00	51.81	78.52
SWFuV=	307.199	160.474	44.449	126.574	43.349	161.195	94.036
Limit=	1.420	1.220	0.970	2.101	0.890	1.656	0.806
R.S.S.=	5.88	8.03	4.82	9.18	4.09	6.68	5.91
% of RSS=	24.14%	15.19%	20.12%	22.87%	21.75%	24.79%	13.64%

Radiation Limit (RadLim) in mv/m/km, Skywave Factor (SWF) in uv/m/km.
 Limit from WKTA to point in mv/m, RSS Limit for point in mv/m. * = first-adjacent.