

Azimuth	Compass	Elevation	Position (E)	Pol. Tilt	EIRP Coverage	Ku	C	Satellite Name
100.2°	90.7°	1.8°	-4.0°	-45.4°	Eu/ME/E-NA	Y	N	Amos 1 & 2
100.9°	91.4°	2.6°	-5.0°	-45.2°	Eu/AF/ME/E-NA	Y	Y	Atlantic Bird 3
102.3°	92.8°	4.0°	-7.0°	-44.9°	ME	Y	N	Nilesat 101 & 102
103.0°	93.5°	4.7°	-8.0°	-44.8°	Eu	Y	Y	Telecom 2D
103.0°	93.5°	4.7°	-8.0°	-44.8°	Eu/AF/ME/SA/E-NA	Y	N	Atlantic Bird 2
105.2°	95.7°	6.8°	-11.0°	-44.2°	Eu/AF/ME/SA/E-NA	Y	Y	Express 3A
106.3°	96.8°	7.9°	-12.5°	-43.9°	Eu/ME/SA/E-NA	Y	N	Atlantic Bird 1
107.5°	98.0°	16.4°	-14.0°	-43.6°	Eu/ME/SA/E-NA	N	Y	Gorizont 26 (incl. 7.4 deg)
108.2°	98.7°	9.7°	-15.0°	-43.3°	Eu/NA/SA	Y	N	Telstar 12
110.6°	101.1°	11.8°	-18.0°	-42.6°	Eu/AF/ME/SA/E-NA	Y	N	Intelsat 901
113.7°	104.2°	14.6°	-22.0°	-41.4°	NA/SA/Eu/AF	Y	Y	NSS 7
115.8°	106.3°	16.3°	-24.5°	-40.6°	Eu/AF/ME/SA/E-NA	Y	Y	Intelsat 905
118.3°	108.8°	18.3°	-27.5°	-39.5°	Eu/AF/ME/SA/E-NA	Y	Y	Intelsat 907
120.5°	111.0°	20.0°	-30.0°	-38.5°	NA/SA	Y	N	Hispasat 1C & 1D
121.9°	112.4°	21.0°	-31.5°	-37.8°	Eu/AF/ME/SA/E-NA	Y	Y	Intelsat 801
124.6°	115.1°	22.9°	-34.5°	-36.5°	Eu/AF/ME/SA/E-NA	Y	Y	Intelsat 903
127.5°	118.0°	24.8°	-37.5°	-35.0°	NA	N	Y	Satcom C1
127.5°	118.0°	24.8°	-37.5°	-35.0°	NA/Eu	Y	N	Telstar 11
130.5°	121.0°	26.6°	-40.5°	-33.3°	NA/SA/Eu	N	Y	NSS 806
133.0°	123.5°	28.0°	-43.0°	-31.9°	SA	Y	N	PAS 6B
133.0°	123.5°	28.0°	-43.0°	-31.9°	NA/SA/Eu	Y	Y	PAS 3R
135.1°	125.6°	29.2°	-45.0°	-30.6°	NA/SA/Eu/N-AF	Y	Y	PAS 1R
140.7°	131.2°	31.8°	-50.0°	-27.2°	NA/SA/N-Eu/AF	Y	Y	Intelsat 705
144.2°	134.7°	33.3°	-53.0°	-25.0°	NA/SA/N-Eu/AF	Y	Y	Intelsat 706
147.2°	137.7°	34.4°	-55.5°	-23.0°	NA/SA/NW-Eu	N	Y	Intelsat 805
150.3°	140.8°	35.4°	-58.0°	-20.9°	NA/SA/Eu	Y	Y	PAS 9
154.8°	145.3°	36.7°	-61.5°	-17.8°	NA	C	N	EchoStar 3 & Rainbow 1
156.8°	147.3°	37.2°	-63.0°	-16.5°	USA/SA/NA	N	N	Estrela do Sul 1
159.5°	150.0°	37.8°	-65.0°	-14.6°	NE-SA	N	Y	Brasilsat B2
166.5°	157.0°	38.9°	-70.0°	-9.7°	NE-SA	N	Y	Brasilsat B1
169.3°	159.8°	39.3°	-72.0°	-7.7°	SA/NA	Y	N	Nahuel 1
169.3°	159.8°	39.3°	-72.0°	-7.7°	NA/Arctic	Y	Y	AMC 6
172.2°	162.7°	39.5°	-74.0°	-5.6°	NA	Y	N	SBS 6
179.4°	169.9°	39.8°	-79.0°	-0.4°	NA/W-central-Arctic	Y	N	AMC 5
180.0°	170.5°	39.8°	-79.4°	0.0°	X	X	X	NO SATELLITE , ARC PEAK
183.7°	174.2°	39.8°	-82.0°	2.7°	NA	C	N	Nimiq 2
186.6°	177.1°	39.6°	-84.0°	4.8°	NE-SA	N	Y	Brasilsat B3
188.1°	178.6°	39.5°	-85.0°	5.8°	NA	N	N	XM Roll
188.1°	178.6°	39.5°	-85.0°	5.8°	NA/Arctic	Y	Y	AMC 9
190.9°	181.4°	39.3°	-87.0°	7.9°	NA/Arctic	Y	Y	AMC 3
196.6°	187.1°	38.5°	-91.0°	11.9°	NA	Y	Y	Galaxy 11
196.6°	187.1°	38.5°	-91.0°	11.9°	NA/Arctic	C	N	Nimiq 1
198.0°	188.5°	38.3°	-92.0°	12.8°	NE-SA	N	Y	Brasilsat B4
199.3°	189.8°	38.0°	-93.0°	13.8°	NA	Y	Y	Intelsat Americas 6
202.0°	192.5°	37.4°	-95.0°	15.7°	NA	Y	Y	Galaxy 3C
204.7°	195.2°	36.8°	-97.0°	17.5°	NA	Y	Y	Intelsat Americas 5
207.3°	197.8°	36.1°	-99.0°	19.3°	NA	Y	Y	Galaxy 4R
209.9°	200.4°	35.3°	-101.0°	21.1°	NA	C	N	DirecTV 1R/2/4S
209.9°	200.4°	35.3°	-101.0°	21.1°	NA/Arctic/SA	Y	Y	AMC 4
212.4°	202.9°	34.5°	-103.0°	22.7°	NA/Arctic	Y	Y	AMC 1
214.8°	205.3°	33.6°	-105.0°	24.3°	NA	Y	N	AMC 2
217.5°	208.0°	32.6°	-107.3°	26.1°	NA/Arctic/SA	Y	Y	Anik F1
220.6°	211.1°	31.2°	-110.0°	28.0°	NA	C	N	DirecTV 6 & Echostar 6 / 8
221.9°	212.4°	30.6°	-111.1°	28.8°	NA	Y	Y	Anik E2R

224.0°	214.5°	29.6°	-113.0°	30.1°	CA/SA/E-NA/Cali.	N	Y	Solidaridad 2
226.1°	216.6°	28.5°	-115.0°	31.3°	NA	N	N	XM Rock
228.0°	218.5°	27.5°	-116.8°	32.4°	NA/SA	Y	Y	SatMex 5
229.9°	220.4°	27.4°	-118.7°	33.5°	NA	N	Y	Anik E2 (incl 1.0 deg)
230.2°	220.7°	26.2°	-119.0°	33.7°	NA	N	N	DirecTV 5
230.2°	220.7°	26.2°	-119.0°	33.7°	NA	C	N	EchoStar 7 & DirecTV 7S
232.2°	222.7°	25.0°	-121.0°	34.8°	NA/W-Arctic	Y	Y	Intelsat Americas 13
234.1°	224.6°	23.7°	-123.0°	35.8°	NA/W-Arctic	Y	Y	Galaxy 10R
236.0°	226.5°	22.5°	-125.0°	36.8°	NA	N	Y	Galaxy 5
237.8°	228.3°	21.2°	-127.0°	37.7°	NA/W-central-Arctic	N	Y	Galaxy 13 / Horizons 1
239.6°	230.1°	19.9°	-129.0°	38.5°	NA	Y	Y	Intelsat Americas 7
241.4°	231.9°	18.6°	-131.0°	39.3°	NA	N	Y	Satcom C3
243.1°	233.6°	17.2°	-133.0°	40.1°	NA	N	Y	Galaxy 1R
244.7°	235.2°	15.8°	-135.0°	40.8°	NA/Arctic	N	Y	AMC 10
246.4°	236.9°	14.5°	-137.0°	41.5°	NA/Arctic	N	Y	AMC 7
248.0°	238.5°	13.1°	-139.0°	42.1°	NA/Arctic	N	Y	AMC 8
253.4°	243.9°	8.2°	-146.0°	43.8°	NA/Arctic	N	N	AMC 11
254.9°	245.4°	6.7°	-148.0°	44.3°	NA	C	N	EchoStar 1 & 2
261.4°	251.9°	1.1°	-157.0°	45.6°	NA	Y	N	EchoStar 4 (incl 0.8 deg)

Notes:

ALL VALUES CALCULATED FOR KITCHENER-WATERLOO, ONTARIO, CANADA AREA.
PLACES FAR FROM KITCHENER WATERLOO MUST UPDATE THIS CHART

Use compass angle, which is mag. dev. corrected, when using a compass, *not azimuth*.

Polarization tilt positive, rotate LNB clockwise facing satellite in sky, negative, anti-clockwise.

EIRP may be incorrect – based on data provided by satellite owners. Shaded satellites known received in KW.

EIRP is between all possible transponders. YOU MAY NOT RECEIVE ALL TRANSPONDERS IN ALL AREAS.

If using rotator, try the following (Kitchener Waterloo Area ONLY):

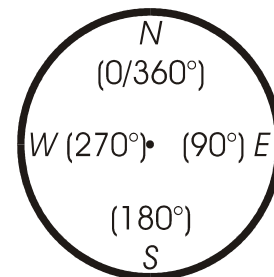
SG-2100: Dish set at 23°, rotator elevation (not latitude) at 46°.

HH90 (Horizont): Dish set at 39°, rotator latitude to 44°.

ANY: Now peak for AMC 5. Rotate *slightly* east. Peak for AMC 5 again.

ANY: Alternative method is to set rotator post to venterical level. Once level,

ANY: aim dish as for AMC-5 (dish set to 39°).



Dish 500 Help (Kitchener Waterloo Area):

Nimiq 1 & Nimiq 2: Set tilt to 95°. Elevation at 39°. Point towards 181° on compass.

Dish Network 119 + 110: Tilt at 120°. Elevation at 29°. Point towards 216° on compass.

NOTE: IF YOUR DISH IS NOT MARKED "DISH 500", IT IS NOT A DISH 500 AND THESE SETTINGS ARE ABSOLUTELY AND COMPLETELY USELESS FOR YOU. DO NOT WASTE YOUR TIME TRYING THEM.

Elliptical Dish Help (Kitchener Waterloo Area):

Nimiq 1, Nimiq 2 & 102: Tilt @ 78.9°. Elevation @ 38.5°. Compass @ 187.1°.

Dish Network 119 + 110 + DirecTV 101: Tilt @ 62°. Elevation @ 32°. Compass @ 211°.

YOU MUST INSERT THE LNBS IN THE SLOTS MARKED FOR THE SATELLITE

For Nimiq combo, insert Nimiq 1 LNB in 119° position and Nimiq 2 LNB in 110° position.

Although we strive for accuracy, *these data may be incorrect*.