

Antenna Beam Projection Report

Generated by ABPTool

March 18, 2026

Beam: UTX — Q4S

SSP: DEADHORSE (70.2011°N, -148.4600°E)

Parameter	Value
Satellite Name	Q4S
Administration	USA
ITU Notice ID	1
Beam ID	UTX
Emission Type	E
Polarisation Disc.	C
Reason Code	A
Orbital Altitude	510.0 km
Earth Radius	6,371.0 km
SSP Label	DEADHORSE
SSP Longitude	-148.4600° (East positive)
SSP Latitude	70.2011° (North positive)
Points per Contour	360

Gain Contours

Gain (dB)	Nadir Angle (°)	Earth Central Angle (°)
-2.4 (boresight)	0.0000	0.0000
-2.0	29.0000	2.5753
0.0	60.0000	9.2849

Beam: UTX | SSP: DEADHORSE
(70.2011°N, -148.4600°E) [Azimuthal Equidistant]



SSP: FAIRBANKS (64.9081°N, -147.7050°E)

Parameter	Value
Satellite Name	Q4S
Administration	USA
ITU Notice ID	1
Beam ID	UTX
Emission Type	E
Polarisation Disc.	C
Reason Code	A
Orbital Altitude	510.0 km
Earth Radius	6,371.0 km
SSP Label	FAIRBANKS
SSP Longitude	-147.7050° (East positive)
SSP Latitude	64.9081° (North positive)
Points per Contour	360

Gain Contours

Gain (dB)	Nadir Angle (°)	Earth Central Angle (°)
-2.4 (boresight)	0.0000	0.0000
-2.0	29.0000	2.5753
0.0	60.0000	9.2849

Beam: UTX | SSP: FAIRBANKS
(64.9081°N, -147.7050°E) [Azimuthal Equidistant]

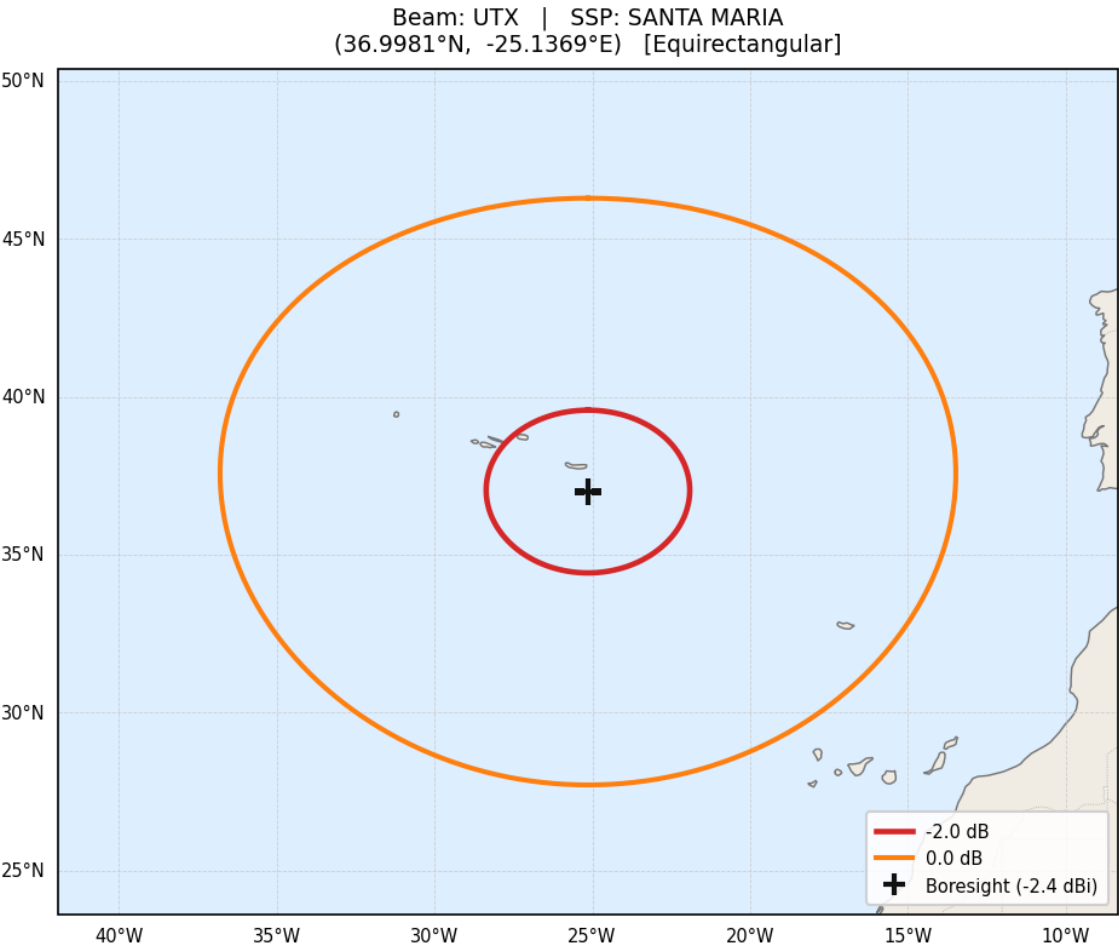


SSP: SANTA MARIA (36.9981°N, -25.1369°E)

Parameter	Value
Satellite Name	Q4S
Administration	USA
ITU Notice ID	1
Beam ID	UTX
Emission Type	E
Polarisation Disc.	C
Reason Code	A
Orbital Altitude	510.0 km
Earth Radius	6,371.0 km
SSP Label	SANTA MARIA
SSP Longitude	-25.1369° (East positive)
SSP Latitude	36.9981° (North positive)
Points per Contour	360

Gain Contours

Gain (dB)	Nadir Angle (°)	Earth Central Angle (°)
-2.4 (boresight)	0.0000	0.0000
-2.0	29.0000	2.5753
0.0	60.0000	9.2849



SSP: TROMSO (69.6631°N, 18.9400°E)

Parameter	Value
Satellite Name	Q4S
Administration	USA
ITU Notice ID	1
Beam ID	UTX
Emission Type	E
Polarisation Disc.	C
Reason Code	A
Orbital Altitude	510.0 km
Earth Radius	6,371.0 km
SSP Label	TROMSO
SSP Longitude	18.9400° (East positive)
SSP Latitude	69.6631° (North positive)
Points per Contour	360

Gain Contours

Gain (dB)	Nadir Angle (°)	Earth Central Angle (°)
-2.4 (boresight)	0.0000	0.0000
-2.0	29.0000	2.5753
0.0	60.0000	9.2849

Beam: UTX | SSP: TROMSO
(69.6631°N, 18.9400°E) [Azimuthal Equidistant]



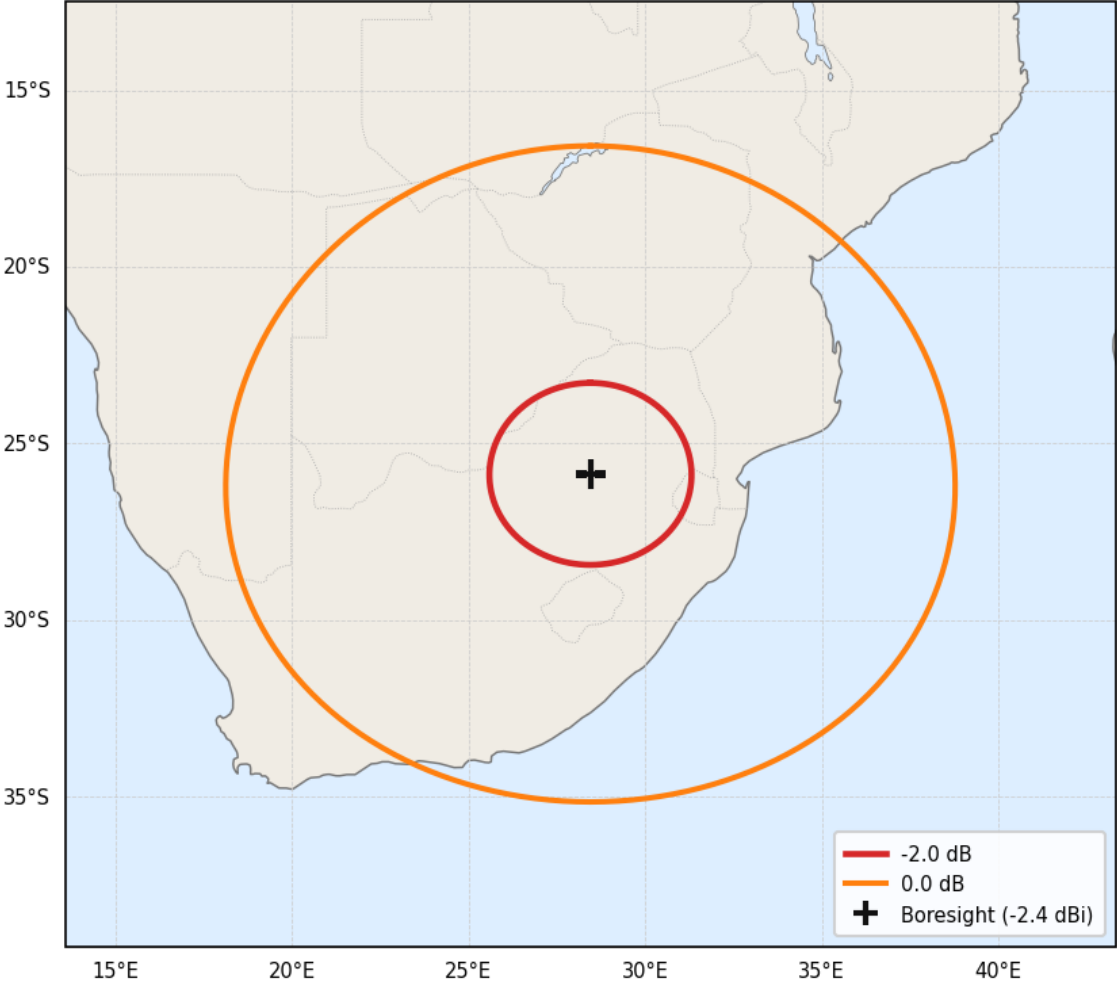
SSP: PRETORIA (-25.8611°N, 28.4531°E)

Parameter	Value
Satellite Name	Q4S
Administration	USA
ITU Notice ID	1
Beam ID	UTX
Emission Type	E
Polarisation Disc.	C
Reason Code	A
Orbital Altitude	510.0 km
Earth Radius	6,371.0 km
SSP Label	PRETORIA
SSP Longitude	28.4531° (East positive)
SSP Latitude	-25.8611° (North positive)
Points per Contour	360

Gain Contours

Gain (dB)	Nadir Angle (°)	Earth Central Angle (°)
-2.4 (boresight)	0.0000	0.0000
-2.0	29.0000	2.5753
0.0	60.0000	9.2849

Beam: UTX | SSP: PRETORIA
(-25.8611°N, 28.4531°E) [Equirectangular]



Beam: KTX — Q4S

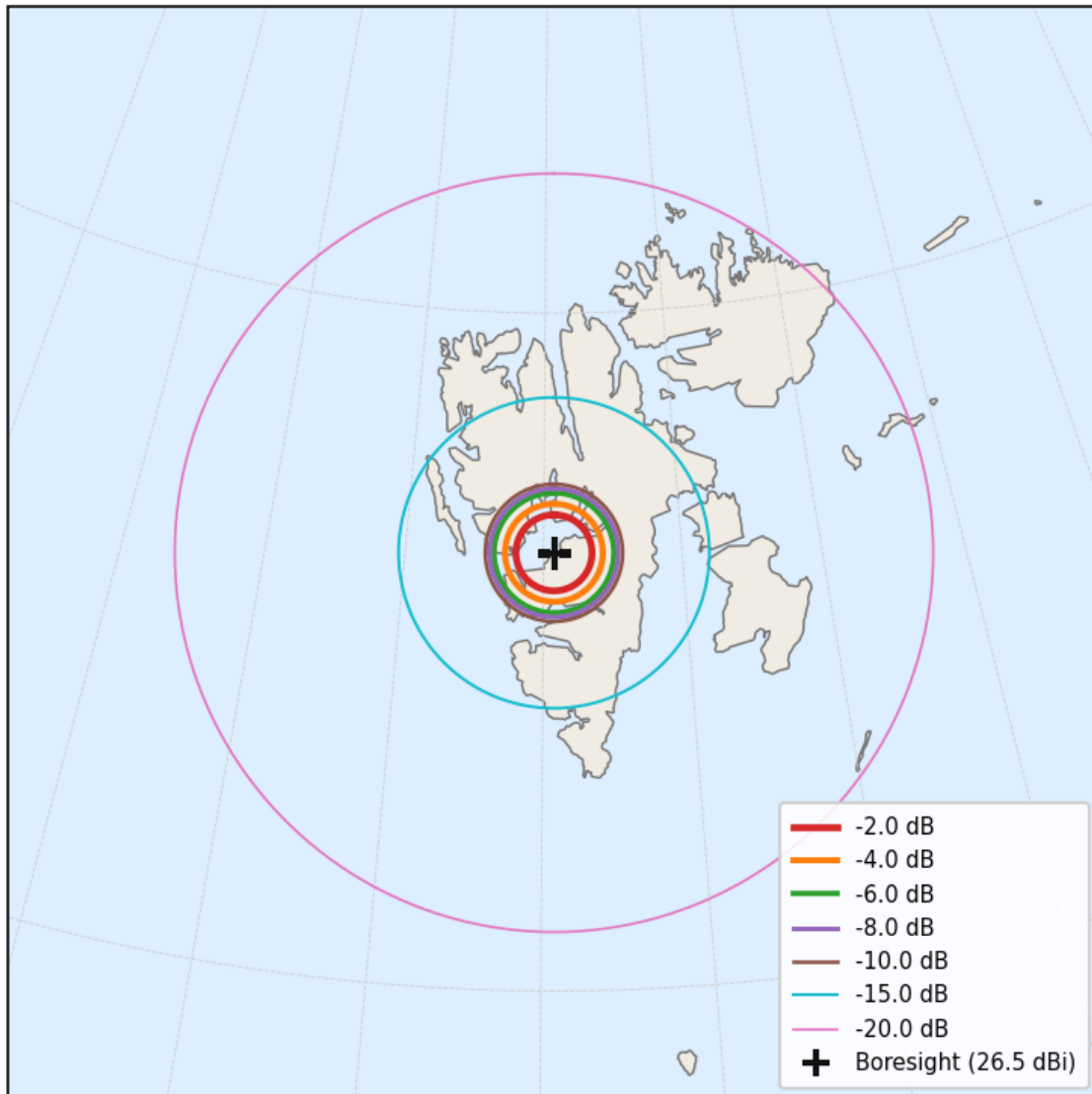
SSP: SVALBARD (78.2319°N, 15.3731°E)

Parameter	Value
Satellite Name	Q4S
Administration	USA
ITU Notice ID	1
Beam ID	KTX
Emission Type	E
Polarisation Disc.	C
Reason Code	A
Orbital Altitude	510.0 km
Earth Radius	6,371.0 km
SSP Label	SVALBARD
SSP Longitude	15.3731° (East positive)
SSP Latitude	78.2319° (North positive)
Points per Contour	360

Gain Contours

Gain (dB)	Nadir Angle (°)	Earth Central Angle (°)
26.5 (boresight)	0.0000	0.0000
-2.0	3.5000	0.2806
-4.0	4.5000	0.3611
-6.0	5.5000	0.4418
-8.0	5.9000	0.4742
-10.0	6.3000	0.5066
-15.0	14.0000	1.1465
-20.0	31.0000	2.7980

Beam: KTX | SSP: SVALBARD
(78.2319°N, 15.3731°E) [Azimuthal Equidistant]



Beam: SRX — Q4S

SSP: DEADHORSE (70.2011°N, -148.4600°E)

Parameter	Value
Satellite Name	Q4S
Administration	USA
ITU Notice ID	1
Beam ID	SRX
Emission Type	R
Polarisation Disc.	C
Reason Code	A
Orbital Altitude	510.0 km
Earth Radius	6,371.0 km
SSP Label	DEADHORSE
SSP Longitude	-148.4600° (East positive)
SSP Latitude	70.2011° (North positive)
Points per Contour	360

Gain Contours

Gain (dB)	Nadir Angle (°)	Earth Central Angle (°)
5.0 (boresight)	0.0000	0.0000
-2.0	39.0000	3.8200
-4.0	62.0000	10.4830

Beam: SRX | SSP: DEADHORSE
(70.2011°N, -148.4600°E) [Azimuthal Equidistant]

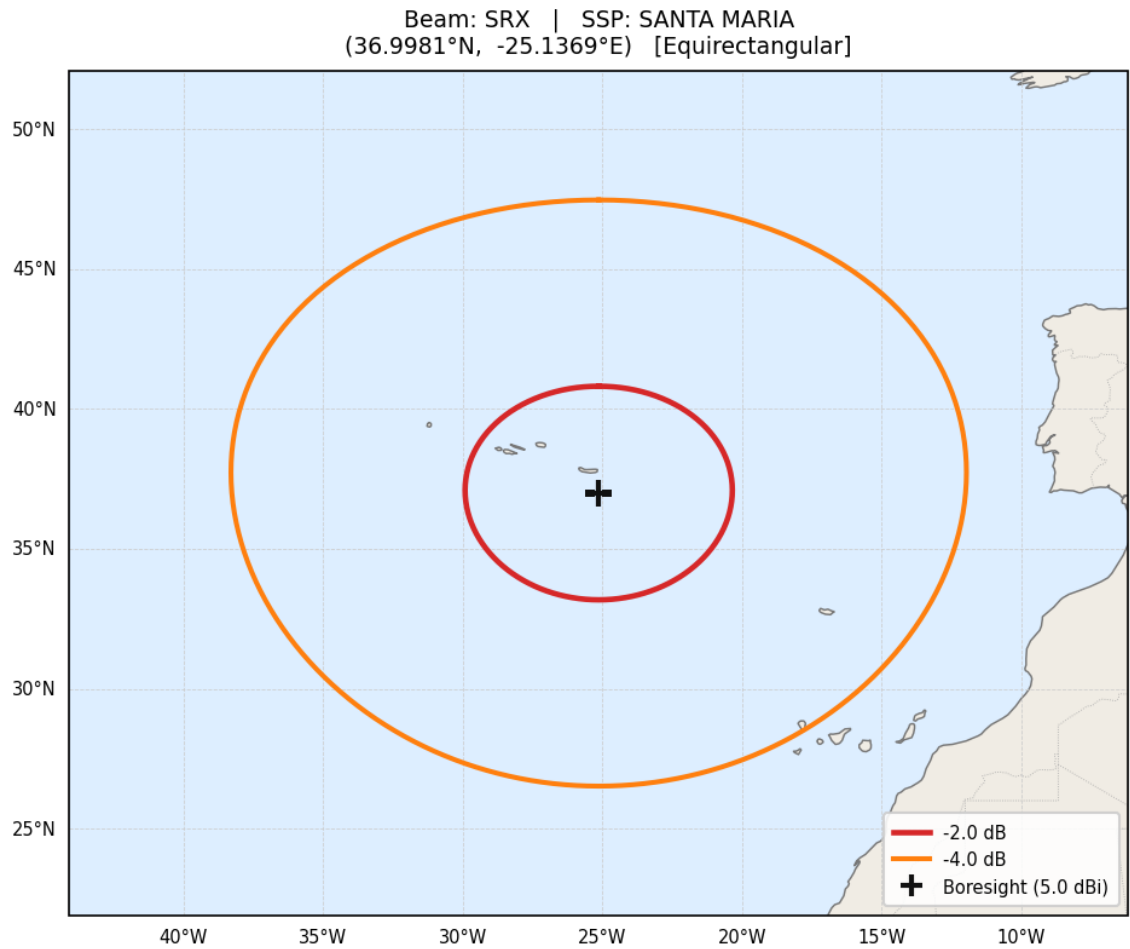


SSP: SANTA MARIA (36.9981°N, -25.1369°E)

Parameter	Value
Satellite Name	Q4S
Administration	USA
ITU Notice ID	1
Beam ID	SRX
Emission Type	R
Polarisation Disc.	C
Reason Code	A
Orbital Altitude	510.0 km
Earth Radius	6,371.0 km
SSP Label	SANTA MARIA
SSP Longitude	-25.1369° (East positive)
SSP Latitude	36.9981° (North positive)
Points per Contour	360

Gain Contours

Gain (dB)	Nadir Angle (°)	Earth Central Angle (°)
5.0 (boresight)	0.0000	0.0000
-2.0	39.0000	3.8200
-4.0	62.0000	10.4830



SSP: SVALBARD (78.2319°N, 15.3731°E)

Parameter	Value
Satellite Name	Q4S
Administration	USA
ITU Notice ID	1
Beam ID	SRX
Emission Type	R
Polarisation Disc.	C
Reason Code	A
Orbital Altitude	510.0 km
Earth Radius	6,371.0 km
SSP Label	SVALBARD
SSP Longitude	15.3731° (East positive)
SSP Latitude	78.2319° (North positive)
Points per Contour	360

Gain Contours

Gain (dB)	Nadir Angle (°)	Earth Central Angle (°)
5.0 (boresight)	0.0000	0.0000
-2.0	39.0000	3.8200
-4.0	62.0000	10.4830

Beam: SRX | SSP: SVALBARD
(78.2319°N, 15.3731°E) [Azimuthal Equidistant]



SSP: TROMSO (69.6631°N, 18.9400°E)

Parameter	Value
Satellite Name	Q4S
Administration	USA
ITU Notice ID	1
Beam ID	SRX
Emission Type	R
Polarisation Disc.	C
Reason Code	A
Orbital Altitude	510.0 km
Earth Radius	6,371.0 km
SSP Label	TROMSO
SSP Longitude	18.9400° (East positive)
SSP Latitude	69.6631° (North positive)
Points per Contour	360

Gain Contours

Gain (dB)	Nadir Angle (°)	Earth Central Angle (°)
5.0 (boresight)	0.0000	0.0000
-2.0	39.0000	3.8200
-4.0	62.0000	10.4830

Beam: SRX | SSP: TROMSO
(69.6631°N, 18.9400°E) [Azimuthal Equidistant]



SSP: PRETORIA (-25.8611°N, 28.4531°E)

Parameter	Value
Satellite Name	Q4S
Administration	USA
ITU Notice ID	1
Beam ID	SRX
Emission Type	R
Polarisation Disc.	C
Reason Code	A
Orbital Altitude	510.0 km
Earth Radius	6,371.0 km
SSP Label	PRETORIA
SSP Longitude	28.4531° (East positive)
SSP Latitude	-25.8611° (North positive)
Points per Contour	360

Gain Contours

Gain (dB)	Nadir Angle (°)	Earth Central Angle (°)
5.0 (boresight)	0.0000	0.0000
-2.0	39.0000	3.8200
-4.0	62.0000	10.4830

Beam: SRX | SSP: PRETORIA
(-25.8611°N, 28.4531°E) [Equirectangular]

