

# ARFS Microwave Antennas

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A Comprehensive **Selection Guide**

**Edition 2**



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**RADIO FREQUENCY SYSTEMS**  
The Clear Choice®



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Frequency Range (GHz)	Sizes (m)	Sizes (ft)	Model Name (Single Polarized)	Model Name (Dual Polarized)	
5.925-7.125	0.9	3	SC3-W60 <sup>1 2</sup>	SCX3-W60 <sup>1 2</sup>	<p>This table summarizes the main RFS CompactLine (SB) and CompactLine EASY (SC) antenna models.</p> <p>Additional antenna variants and customized versions are also available.</p> <p>For example, variants that support specific vendor's radios are available.</p> <p><b>To confirm proper ordering models, please contact your RFS representative.</b></p>
	1.2	4	SB4-W60 <sup>1</sup>	SBX4-W60 <sup>1</sup>	
	1.8	6	SB6-W60 <sup>1</sup>	SBX6-W60 <sup>1</sup>	
7.125-8.5	0.6	2	SC2-W71 <sup>1</sup>	SCX2-W71 <sup>1</sup>	
	0.9	3	SC3-W71 <sup>1</sup>	SCX3-W71 <sup>1</sup>	
	1.2	4	SB4-W71 <sup>1</sup>	SBX4-W71 <sup>1</sup>	
	1.8	6	SB6-W71 <sup>1</sup>	SBX6-W71 <sup>1</sup>	
10-11.7	0.6	2	SC2-W100 <sup>1</sup>	SCX2-W100 <sup>1</sup>	
	0.9	3	SC3-W100 <sup>1</sup>	SCX3-W100 <sup>1</sup>	
	1.2	4	SB4-W100 <sup>1</sup>	SBX4-W100 <sup>1</sup>	
	1.8	6	SB6-W100 <sup>1</sup>	SBX6-W100 <sup>1</sup>	
12.7-13.25	0.3	1	SB1-127	SBX1-127	
	0.6	2	SC2-127	SCX2-127	
	0.9	3	SC3-127	SCX3-127	
	1.2	4	SB4-127	SBX4-127	
	1.8	6	SB6-127	SBX6-127	
14.2-15.35	0.3	1	SB1-142	SBX1-142	
	0.6	2	SC2-142	SCX2-142	
	0.9	3	SC3-142	SCX3-142	
	1.2	4	SB4-142	SBX4-142	
	1.8	6	SB6-142	SBX6-142	
17.7-19.7	0.3	1	SB1-190	SBX1-190	
	0.6	2	SC2-190	SCX2-190	
	0.9	3	SC3-190	SCX3-190	
	1.2	4	SB4-190	SBX4-190	
	1.8	6	SB6-190	SBX6-190	
21.2-23.6	0.3	1	SB1-220	SBX1-220	
	0.6	2	SC2-220	SCX2-220	
	0.9	3	SC3-220	SCX3-220	
	1.2	4	SB4-220	SBX4-220	
	1.8	6	SB6-220	SBX6-220	
24.25-26.5	0.3	1	SB1-250	SBX1-250	
	0.6	2	SC2-250	SCX2-250	
	0.9	3	SC3-250	SCX3-250	
	1.2	4	SB4-250	SBX4-250	
27.5-29.5	0.3	1	SB1-280	SBX1-280	
	0.6	2	SC2-280	SCX2-280	
31-33.4	0.3	1	SB1-320	SBX1-320	
	0.6	2	SC2-320	SCX2-320	
37-40	0.3	1	SB1-380	SBX1-380	
	0.6	2	SC2-380	SCX2-380	
40.5-43.5	0.3	1	SB1-420	SBX1-420	
	0.6	2	SC2-420	SCX2-420	
51.2-52.6	0.3	1	SB1-520	NA	

<sup>1</sup> Wideband model

<sup>2</sup> Planned for 1Q14

# Performance specifications

Note: The specifications for the SB1/SBX1 (revision C) and SC2/SCX2 (revision B) reflect the new generation introduced in July 2013. Visit our on-line e-catalog dataXpress for the latest and most complete data specifications: [www.rfsworld.com/dataXpress](http://www.rfsworld.com/dataXpress)

Frequency (GHz)	Polarization	Model Number	Diameter m (ft)	Gain (dBi)			3 dB-BW (deg)	VSWR/R L (dB)	X-Pol (dB)	IPI (dB)	F/B (dB)	ETSI RPE class	US FCC 101 Cat	Fine Adjust.		Windspeed km/h (mph)		Net weight kg (lb)
				Low	Mid	High								Az	Elev	Operational	Survival	
5.925 to 7.125	Single	SC3-W60 <sup>3</sup>	0.9 (3)	32.0	33.2	33.9	3.00	1.38 (16.0)	30		60	3	B2	±15	±15	180 (112)	252 (155)	21 (47)
		SB4-W60	1.2 (4)	34.5	34.8	35.5	2.8	1.30 (17.7)	30		61	3	B2	±5	±15	200 (125)	200 (125)	35 (77)
		SB6-W60	1.8 (6)	38.0	38.8	39.4	1.7	1.30 (17.7)	30		65	3	A	±5	±5	200 (125)	200 (125)	90 (198)
	Dual	SCX3-W60 <sup>3</sup>	0.9 (3)	32.0	33.2	33.9	3.00	1.38 (16.0)	30	35	60	3	B2	±15	±15	180 (112)	252 (155)	21 (47)
		SBX4-W60	1.2 (4)	34.5	34.8	35.5	2.8	1.30 (17.7)	30	35	61	3	B2	±5	±15	200 (125)	200 (125)	35 (77)
		SBX6-W60	1.8 (6)	38.0	38.8	39.4	1.7	1.30 (17.7)	30	35	65	3	A	±5	±5	200 (125)	200 (125)	90 (198)
7.125 to 8.5	Single	SC2-W71	0.6 (2)	30.5	31.3	31.9	4.3	1.38 (16.0)	30		57	3		±15	±20	180 (112)	252 (155)	9 (20)
		SC3-W71	0.9 (3)	34.7	35.6	35.8	2.6	1.38 (16.0)	30		62	3		±15	±15	180 (112)	252 (155)	18 (40)
		SB4-W71	1.2 (4)	36.2	36.9	37.6	2.3	1.30 (17.7)	30		63	3		±5	±15	200 (125)	200 (125)	35 (77)
		SB6-W71	1.8 (6)	40.1	40.6	41.1	1.5	1.30 (17.7)	30		67	3		±5	±5	200 (125)	200 (125)	90 (198)
	Dual	SCX2-W71	0.6 (2)	30.5	31.3	31.9	4.3	1.38 (16.0)	30	35	57	3		±15	±20	180 (112)	252 (155)	9 (20)
		SCX3-W71	0.9 (3)	34.7	35.6	35.8	2.6	1.38 (16.0)	30	35	62	3		±15	±15	180 (112)	252 (155)	18 (40)
10 to 11.7	Single	SC2-W100	0.6 (2)	33.8	34.5	35.2	3.2	1.38 (16.0)	30		61	3	A/B <sup>1</sup>	±15	±20	180 (112)	252 (155)	9 (20)
		SC3-W100	0.9 (3)	37.6	38.3	39.1	2.0	1.38 (16.0)	30		64	3	A	±15	±15	180 (112)	252 (155)	18 (40)
		SB4-W100	1.2 (4)	39.4	39.9	40.3	1.5	1.30 (17.7)	30		66	3	A	±5	±15	200 (125)	200 (125)	35 (77)
		SB6-W100	1.8 (6)	42.7	43.4	43.9	1.0	1.30 (17.7)	30		70	3	A	±5	±5	200 (125)	200 (125)	90 (198)
	Dual	SCX2-W100	0.6 (2)	33.8	34.5	35.2	3.2	1.38 (16.0)	30	35	61	3	A/B <sup>1</sup>	±15	±20	180 (112)	252 (155)	9 (20)
		SCX3-W100	0.9 (3)	37.6	38.3	39.1	2.0	1.38 (16.0)	30	35	64	3	A	±15	±15	180 (112)	252 (155)	18 (40)
12.7 to 13.25	Single	SB1-127	0.3 (1)	31.2	31.5	31.8	4.5	1.38 (16.0)	30		57	3		±15	±20	252 (155)	320 (198)	6 (13)
		SC2-127	0.6 (2)	35.8	36.0	36.2	2.7	1.38 (16.0)	30		62	3		±15	±20	180 (112)	252 (155)	9 (20)
		SC3-127	0.9 (3)	39.9	40.0	40.1	1.6	1.38 (16.0)	30		66	3	A	±15	±15	180 (112)	252 (155)	18 (40)
		SB4-127	1.2 (4)	41.7	41.9	42.1	1.3	1.30 (17.7)	30		68	3	A	±5	±15	200 (125)	200 (125)	35 (77)
	Dual	SB6-127	1.8 (6)	45.1	45.4	45.7	0.9	1.30 (17.7)	30		72	3	A	±5	±5	200 (125)	200 (125)	90 (198)
		SBX1-127	0.3 (1)	31.2	31.5	31.8	4.5	1.38 (16.0)	30	35	57	3		±15	±20	252 (155)	320 (198)	6 (13)
14.2 to 15.35	Single	SCX2-127	0.6 (2)	35.8	36.0	36.2	2.7	1.38 (16.0)	30	35	62	3		±15	±20	180 (112)	252 (155)	9 (20)
		SC3-127	0.9 (3)	39.9	40.0	40.1	1.6	1.38 (16.0)	30	35	66	3	A	±15	±15	180 (112)	252 (155)	18 (40)
		SBX4-127	1.2 (4)	41.7	41.9	42.1	1.3	1.30 (17.7)	30	35	68	3	A	±5	±15	200 (125)	200 (125)	35 (77)
		SBX6-127	1.8 (6)	45.1	45.4	45.7	0.9	1.30 (17.7)	30	35	72	3	A	±5	±5	200 (125)	200 (125)	90 (198)
	Dual	SB1-142	0.3 (1)	32.0	32.1	32.2	4.2	1.30 (17.7)	30		55	2		±15	±20	252 (155)	320 (198)	6 (13)
		SC2-142	0.6 (2)	36.7	37.1	37.3	2.3	1.38 (16.0)	30		65	3		±15	±20	180 (112)	252 (155)	9 (20)
17.7 to 19.7	Single	SC3-142	0.9 (3)	40.6	41.0	41.3	1.5	1.38 (16.0)	30		69	3		±15	±15	180 (112)	252 (155)	18 (40)
		SB4-142	1.2 (4)	42.7	42.9	43.1	1.1	1.30 (17.7)	30		72	3		±5	±15	200 (125)	200 (125)	35 (77)
		SB6-142	1.8 (6)	45.9	46.2	46.5	0.8	1.30 (17.7)	30		74	3		±5	±5	200 (125)	200 (125)	90 (198)
		SBX1-142	0.3 (1)	32.0	32.1	32.2	4.2	1.30 (17.7)	30	35	55	2		±15	±20	252 (155)	320 (198)	6 (13)
	Dual	SCX2-142	0.6 (2)	36.7	37.1	37.3	2.3	1.38 (16.0)	30	35	65	3		±15	±20	180 (112)	252 (155)	9 (20)
		SCX3-142	0.9 (3)	40.6	41.0	41.3	1.5	1.38 (16.0)	30	35	69	3		±15	±15	180 (112)	252 (155)	18 (40)
21.2 to 23.6	Single	SBX4-142	1.2 (4)	42.7	42.9	43.1	1.1	1.30 (17.7)	30	35	72	3		±5	±15	200 (125)	200 (125)	35 (77)
		SBX6-142	1.8 (6)	45.9	46.2	46.5	0.8	1.30 (17.7)	30	35	74	3		±5	±5	200 (125)	200 (125)	90 (198)
		SB1-190	0.3 (1)	33.8	34.2	35.2	3.4	1.30 (17.7)	30		56	2	B2	±15	±20	252 (155)	320 (198)	6 (13)
		SC2-190	0.6 (2)	38.5	39.0	39.5	1.8	1.38 (16.0)	30		68	3	A	±15	±20	180 (112)	252 (155)	9 (20)
	Dual	SC3-190	0.9 (3)	42.8	43.3	43.8	1.1	1.38 (16.0)	30		71	3	A	±15	±15	164 (102)	252 (155)	18 (40)
		SB4-190	1.2 (4)	44.2	44.7	45.2	1.0	1.30 (17.7)	30		72	3	A	±5	±15	200 (125)	200 (125)	35 (77)
24.25 to 26.5	Single	SB6-190	1.8 (6)	47.6	48.2	48.8	0.7	1.30 (17.7)	30		76	3	A	±5	±5	200 (125)	200 (125)	90 (198)
		SBX1-190	0.3 (1)	33.8	34.2	35.2	3.4	1.30 (17.7)	30	35	56	2	B2	±15	±20	252 (155)	320 (198)	6 (13)
		SCX2-190	0.6 (2)	38.5	39.0	39.5	1.8	1.38 (16.0)	30	35	68	3	A	±15	±20	180 (112)	252 (155)	9 (20)
		SCX3-190	0.9 (3)	42.8	43.3	43.8	1.1	1.38 (16.0)	30	35	71	3	A	±15	±15	164 (102)	252 (155)	18 (40)
	Dual	SBX4-190	1.2 (4)	44.2	44.7	45.2	1.0	1.30 (17.7)	30	35	72	3	A	±5	±15	200 (125)	200 (125)	35 (77)
		SBX6-190	1.8 (6)	47.6	48.2	48.8	0.7	1.30 (17.7)	30	35	76	3	A	±5	±5	200 (125)	200 (125)	90 (198)
28.25 to 30.0	Single	SB1-220	0.3 (1)	35.5	35.8	36.2	2.7	1.30 (17.7)	30		61	3	A	±15	±20	252 (155)	320 (198)	6 (13)
		SC2-220	0.6 (2)	40.5	41.0	41.5	1.5	1.29 (18.0)	30		66	3	A	±15	±20	180 (112)	252 (155)	9 (20)
		SC3-220	0.9 (3)	44.1	44.8	45.0	1.0	1.29 (18.0)	30		71	3	A	±15	±15	140 (87)	252 (155)	18 (40)
		SB4-220	1.2 (4)	45.5	46.1	46.6	0.8	1.30 (17.7)	30		74	3	A	±5	±15	200 (125)	200 (125)	35 (77)
	Dual	SB6-220	1.8 (6)	49.3	50.0	50.5	0.5	1.30 (17.7)	30		75	3	A	±5	±5	200 (125)	200 (125)	90 (198)
		SBX1-220	0.3 (1)	35.5	35.8	36.2	2.7	1.30 (17.7)	30	35	61	3	A	±15	±20	252 (155)	320 (198)	6 (13)
33.0 to 35.0	Single	SCX2-220	0.6 (2)	40.5	41.0	41.5	1.5	1.29 (18.0)	30	35	66	3	A	±15	±20	180 (112)	252 (155)	9 (20)
		SCX3-220	0.9 (3)	44.1	44.8	45.0	1.0	1.29 (18.0)	30	35	71	3	A	±15	±15	140 (87)	252 (155)	18 (40)
		SBX4-220	1.2 (4)	45.5	46.1	46.6	0.8	1.30 (17.7)	30	35	74	3	A	±5	±15	200 (125)	200 (125)	35 (77)
		SBX6-220	1.8 (6)	49.3	50.0	50.5	0.5	1.30 (17.7)	30	35	75	3	A	±5	±5	200 (125)	200 (125)	90 (198)
	Dual	SB1-250	0.3 (1)	36.3	36.6	37.0	2.4	1.30 (17.7)	30		62	3		±15	±20	252 (155)	320 (198)	6 (13)
		SC2-250	0.6 (2)	41.7	42.3	42.5	1.4	1.29 (18.0)	30		68	3	A	±15	±20	180 (112)	252 (155)	9 (20)
38.0 to 40.0	Single	SC3-250	0.9 (3)	45.6	46.1	46.5	0.8	1.29 (18.0)	30		73	3	A	±15	±15	140 (87)	252 (155)	18 (40)
		SB4-250	1.2 (4)	46.8	47.2	47.6	0.7	1.30 (17.7)	30		73	3	A	±5	±15	200 (125)	200 (125)	35 (77)
	Dual	SBX1-250	0.3 (1)	36.3	36.6	37.0	2.4	1.30 (17.7)	30	35	62	3		±15	±20	252 (155)	320 (198)	6 (13)
		SCX2-250	0.6 (2)	41.7	42.3	42.5	1.4	1.29 (18.0)	30	35	68	3	A	±15	±20	180 (112)	252 (155)	9 (20)
42.0 to 44.0	Dual	SCX3-250	0.9 (3)	45.6	46.1	46.5	0.8	1.29 (18.0)	30	35	73	3	A	±15	±15	140 (87)	252 (155)	18 (40)
		SBX4-250	1.2 (4)	46.8														

# Performance specifications <http://www.tt-telecom.ru> Отдел продаж: [market@tt-telecom.ru](mailto:market@tt-telecom.ru)

Frequency (GHz)	Polarization	Model Number	Diameter m (ft)	Gain (dBi)			3 dB-BW (deg)	VSWR/R L (dB)	X-Pol (dB)	IPI (dB)	F/B (dB)	ETSI RPE class	US FCC 101 Cat	Fine Adjust.		Windspeed km/h (mph)		Net weight kg (lb)
				Low	Mid	High								Az	Elev	Operational	Survival	
27.5 to 29.5	Single	SB1-280	0.3 (1)	37.7	37.9	38.5	2.2	1.30 (17.7)	30		63	3		±15	±20	252 (155)	320 (198)	6 (13)
		SC2-280	0.6 (2)	42.7	43.0	43.4	1.2	1.29 (18.0)	30		70	3		±15	±20	180 (112)	252 (155)	9 (20)
	Dual	SBX1-280	0.3 (1)	37.7	37.9	38.5	2.2	1.30 (17.7)	30	35	63	3		±15	±20	252 (155)	320 (198)	6 (13)
		SCX2-280	0.6 (2)	42.7	43.0	43.4	1.2	1.29 (18.0)	30	35	70	3		±15	±20	180 (112)	252 (155)	9 (20)
31 to 33.4	Single	SB1-320	0.3 (1)	39.2	39.5	39.7	2.1	1.30 (17.7)	30		63	3b		±15	±20	252 (155)	320 (198)	6 (13)
		SC2-320	0.6 (2)	43.8	44.2	44.4	1.0	1.29 (18.0)	30		70	3b		±15	±20	164 (102)	252 (155)	9 (20)
	Dual	SBX1-320	0.3 (1)	39.2	39.5	39.7	2.1	1.30 (17.7)	30	35	63	3b		±15	±20	252 (155)	320 (198)	6 (13)
		SCX2-320	0.6 (2)	43.8	44.2	44.4	1.0	1.29 (18.0)	30	35	70	3b		±15	±20	164 (102)	252 (155)	9 (20)
37 to 40	Single	SB1-380	0.3 (1)	40.0	40.3	40.5	1.6	1.30 (17.7)	30		65	3b	A	±15	±20	252 (155)	320 (198)	6 (13)
		SC2-380	0.6 (2)	44.8	45.4	45.8	0.8	1.29 (18.0)	30		70	3b	A	±15	±20	140 (87)	252 (155)	9 (20)
	Dual	SBX1-380	0.3 (1)	40.0	40.3	40.5	1.6	1.30 (17.7)	30	35	65	3b	A	±15	±20	252 (155)	320 (198)	6 (13)
		SCX2-380	0.6 (2)	44.8	45.4	45.8	0.8	1.29 (18.0)	30	35	70	3b	A	±15	±20	140 (87)	252 (155)	9 (20)
40.5 to 43.5	Single	SB1-420	0.3 (1)	40.8	41.3	41.6	1.4	1.30 (17.7)	30		60	3b		±15	±20	252 (155)	320 (198)	6 (13)
		SC2-420	0.6 (2)	45.5	45.8	46.1	0.7	1.29 (18.0)	30		65	3b		±15	±20	140 (87)	252 (155)	9 (20)
	Dual	SBX1-420 <sup>3</sup>	0.3 (1)	40.8	41.3	41.6	1.4	1.30 (17.7)	30	30	60	3b		±15	±20	252 (155)	320 (198)	6 (13)
		SCX2-420 <sup>3</sup>	0.6 (2)	45.5	45.8	46.1	0.7	1.29 (18.0)	30	30	65	3b		±15	±20	140 (87)	252 (155)	9 (20)
51.2 to 52.6	Single	SB1-520	0.3 (1)	41.7	41.8	41.9	1.2	1.30 (17.7)	30		62	3a / 2 <sup>2</sup>		±23	±30	140 (87)	252 (155)	6 (13)

<sup>1</sup> A in 10.55-10.68 GHz, B in 10.7-11.7 GHz

<sup>2</sup> 3a in Vertical polar, 2 in Vertical and Horizontal polar


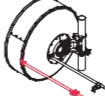

<sup>3</sup> Planned for 1Q14

The windspeed performance specifications of 4 and 6 feet in this table apply to antennas categorized under "Configuration 1" in the associated wind speed and sway bar selection guide. All "Configuration 1" antennas with a survival wind speed of 200 km/h are also available in models that offer higher survival wind speed performance ("Configuration 2").

## Wind speed and sway bar selection guide

A wind kit, perimeter sway bar and sway bar connecting kit are available to complement your RFS CompactLine and CompactLine EASY antennas:

- ⊕ A wind kit increases antenna survival wind speed support from 200 km/h (125 mph) to 252 km/h (155 mph). Wind kits give customers the flexibility to upgrade survival wind speed support levels in the field during installation if wind conditions are more severe than anticipated. Note that:
  - The wind kit is available for 1.2 m (4 ft) antennas
- 0.3 m (1 ft) have a survival wind speed of 320 km/h (198 mph)
- 0.6 m (2 ft) and 0.9 m (3 ft) antennas have a survival wind speed of 252 km/h (155 mph)
- 1.8 m (6 ft) antennas are available in either in 200 km/h (125 mph) or 252 km/h (155 mph) versions and cannot be upgraded in the field
- ⊕ An optional perimeter sway bar provides added assurance on antennas that are 0.9 m (3 ft) and larger in case mistakes are made during installation.
- ⊕ A universal sway bar tower connecting kit allows sway bars to be attached to pipes or L-structures without drilling a hole in the pipe or structure.

Sizes (ft)	1	2	3	4		6	
Model (Prefix)	SB/SBX	SC/SCX	SC/SCX	SB/SBX		SB/SBX	
Wind Speed (km/h)	320	252	252	Configuration 1	Configuration 2	Configuration 1	Configuration 2
				200	252*	200	252*
Sway Bar Qty	0	0	0	1	1	1	1
252 km/h Windkit	-	-	-	 SMA-WK-4A		Not Available**	
Additional Perimeter Sway Bar	Not Available	Not Available	SMA-SK-3	 SMA-SK-4		SMA-SK-6	
Sway Bar Tower Fixation Kit	-	-	 SMA-SKO-UNIVERSAL		SMA-SKO-UNIVERSAL-L		

\* Order as a unique model number. For example: SB6-127AB is the standard 200 km/h (125 mph) version; SB6-127AB2 is the 252 km/h (155 mph) version. See page 20 for details.  
\*\* It is not possible to upgrade in field a SB6/SBX6 antenna from 200km/h to 252km/h.

**Antenna models** <http://www.tt-telecom.ru> Отдел продаж: [market@tt-telecom.ru](mailto:market@tt-telecom.ru)

Frequency Range (GHz)	Sizes (m)	Sizes (ft)	Model Name (Single Polarized High performance)	Model Name (Single Polarized Ultra-High performance)	Model Name (Dual Polarized High performance)	Model Name (Dual Polarized Ultra-High performance)
3.6-4.2	1.8	6	DA6-36	-	DAX6-36	-
	2.4	8	DA8-36	-	DAX8-36	-
	3	10	DA10-36	-	DAX10-36	-
	3.7	12	DA12-36	-	DAX12-36	-
	4.6	15	DA15-36	-	DAX15-36	-
4.4-5	1.2	4	DA4-44	-	DAX4-44	-
	1.8	6	DA6-44	-	DAX6-44	-
	2.4	8	DA8-44	-	DAX8-44	-
	3	10	DA10-44	-	DAX10-44	-
	3.7	12	DA12-44	-	DAX12-44	-
5.725-6.875	1.8	6	PAD6-W57 <sup>1,2,3</sup>	-	-	-
	2.4	8	DA8-W57 <sup>1,2</sup>	-	-	-
			PAD8-W57 <sup>1,2,3</sup>	-	PADX8-W57 <sup>1,2,3</sup>	-
	3	10	DA10-W57 <sup>1,2</sup>	-	-	-
5.725-7.125	1.8	6	-	-	PADX6-U57 <sup>2,3</sup>	-
			-	-	PADX8-U57 <sup>2,3</sup>	-
			-	-	PADX10-U57 <sup>2,3</sup>	-
5.925-6.425	1.8	6	PAD6-59 <sup>2,3</sup>	UA6-59	-	-
	2.4	8	DA8-59	UA8-59	DAX8-59	-
			PAD8-59 <sup>2,3</sup>	-	-	-
	3	10	DA10-59	UA10-59	DAX10-59	-
			PAD10-59 <sup>2,3</sup>	-	-	-
	3.7	12	DA12-59	UA12-59	DAX12-59	-
4.6	15	DA15-59	-	DAX15-59	-	
5.925-6.875	1.8	6	PADX6-W59	-	-	-
	2.4	8	-	-	PADX8-W59 <sup>1,2,3</sup>	-
	3	10	-	-	PADX10-W59 <sup>1,2,3</sup>	-
6.425-7.125	1.8	6	PAD6-65 <sup>2,3</sup>	UA6-65	-	-
	2.4	8	DA8-65	UA8-65	DAX8-65	-
			PAD8-65 <sup>2,3</sup>	-	-	-
	3	10	DA10-65	UA10-65	DAX10-65	-
			PAD10-65 <sup>2,3</sup>	-	-	-
3.7	12	DA12-65	UA12-65	DAX12-65	-	
4.6	15	DA15-65	-	DAX15-65	-	
7.125-8.5	2.4	8	DA8-W71 <sup>1</sup>	UA8-W71 <sup>1</sup>	DAX8-W71 <sup>1</sup>	UDA8-W71 <sup>1</sup>
	3	10	DA10-W71 <sup>1</sup>	UA10-W71 <sup>1</sup>	DAX10-W71 <sup>1</sup>	UDA10-W71 <sup>1</sup>
	3.7	12	DA12-W71 <sup>1</sup>	UA12-W71 <sup>1</sup>	DAX12-W71 <sup>1</sup>	UDA12-W71 <sup>1</sup>
	4.6	15	DA15-W71 <sup>1</sup>	UA15-W71 <sup>1</sup>	DAX15-W71 <sup>1</sup>	UDA15-W71 <sup>1</sup>
10.3-10.7	2.4	8	DA8-103	-	DAX8-103	-
	3	10	DA10-103	-	DAX10-103	-
	3.7	12	DA12-103	-	DAX12-103	-
10.7-11.7	1.8	6	PAD6-107 <sup>2,3</sup>	-	PADX6-107 <sup>2,3</sup>	-
	2.4	8	DA8-107	-	DAX8-107	-
			PAD8-107 <sup>2,3</sup>	-	PADX8-107 <sup>2,3</sup>	-
	3	10	DA10-107	-	DAX10-107	-
-			-	PADX10-107 <sup>2,3</sup>	-	
3.7	12	DA12-107	-	DAX12-107	-	
12.7-13.25	2.4	8	DA8-127	UA8-127	DAX8-127	-
	3	10	DA10-127	UA10-127	DAX10-127	-
14.2-15.35	2.4	8	DA8-142	UA8-142	DAX8-142	-

This table summarizes the main RFS TrunkLine antenna models.

Additional antenna variants and customized versions are also available.

To confirm proper ordering models, please contact your RFS representative.

<sup>1</sup> Wideband model

<sup>2</sup> Available only in North America

<sup>3</sup> PAD and PADX antenna models offer improved performance

**Performance specifications UA & UDA, DA & DAX** *Visit our on-line e-catalog dataXpress for the latest and most complete data specifications: [www.rfsworld.com/dataXpress](http://www.rfsworld.com/dataXpress)*

Frequency (GHz)	Polarization	Model Number	Diameter m (ft)	Gain (dBi)			3 dB-BW (deg)	VSWR/R L (dB)	X-Pol (dB)	IPI (dB)	F/B (dB)	ETSI RPE class	US FCC 101 Cat	Fine Adjst.		Windspeed km/h (mph)		Net weight kg (lb)	
				Low	Mid	High								Az	Elev	Operational	Survival		
3.6 to 4.2	Single	DA6-36	1.8 (6)	33.7	34.4	35	3.0	1.08 (28.3)	30		56	2		±5	±5	190 (118)	200 (125)	95 (209)	
		DA8-36	2.4 (8)	36.5	37.2	37.8	2.3	1.06 (30.7)	30		60	2		±5	±5	190 (118)	200 (125)	180 (396)	
		DA10-36	3 (10)	38.4	39.1	39.7	1.8	1.06 (30.7)	30		62	2		±5	±5	190 (118)	200 (125)	290 (638)	
		DA12-36	3.7(12)	40.0	40.7	41.3	1.5	1.06 (30.7)	30		63	2	B	±5	±5	190 (118)	200 (125)	420 (924)	
		DA15-36	4.6(15)	42.0	42.7	43.3	1.1	1.06 (30.7)	30		65	2	A	±5	±5	190 (118)	200 (125)	750 (1650)	
	Dual	DAX6-36	1.8 (6)	33.7	34.4	35	3.0	1.08 (28.3)	30	35	56	2		±5	±5	190 (118)	200 (125)	95 (209)	
		DAX8-36	2.4 (8)	36.5	37.2	37.8	2.3	1.06 (30.7)	30	35	60	2		±5	±5	190 (118)	200 (125)	180 (396)	
		DAX10-36	3 (10)	38.4	39.1	39.7	1.8	1.06 (30.7)	30	35	62	2		±5	±5	190 (118)	200 (125)	290 (638)	
		DAX12-36	3.7(12)	40.0	40.7	41.3	1.5	1.06 (30.7)	30	35	63	2	B	±5	±5	190 (118)	200 (125)	420 (924)	
		DAX15-36	4.6(15)	42.0	42.7	43.3	1.1	1.06 (30.7)	30	35	65	2	A	±5	±5	190 (118)	200 (125)	750 (1650)	
4.4 to 5	Single	DA4-44	1.2 (4)	32	32.5	33	3.7	1.10 (26.4)	28		52	2		±5	±5	190 (118)	200 (125)	45 (99)	
		DA6-44	1.8 (6)	35.9	36.5	37	2.4	1.06 (30.7)	30		62	2		±5	±5	190 (118)	200 (125)	95 (209)	
		DA8-44	2.4 (8)	38.5	39.1	39.6	1.8	1.06 (30.7)	30		65	2		±5	±5	190 (118)	200 (125)	180 (396)	
		DA10-44	3 (10)	40.4	41	41.5	1.5	1.06 (30.7)	30		67	2		±5	±5	190 (118)	200 (125)	290 (638)	
		DA12-44	3.7(12)	42	42.6	43.1	1.2	1.06 (30.7)	30		68	2		±5	±5	190 (118)	200 (125)	420 (924)	
	Dual	DA15-44	4.6(15)	43.7	44.3	44.8	0.9	1.06 (30.7)	30		68	2		±5	±5	190 (118)	200 (125)	750 (1650)	
		DAX4-44	1.2 (4)	32	32.5	33	3.7	1.15 (23.1)	30	35	54	2		±5	±5	190 (118)	200 (125)	45 (99)	
		DAX6-44	1.8 (6)	35.6	36.2	36.7	2.4	1.06 (30.7)	30	35	60	2		±5	±5	190 (118)	200 (125)	95 (209)	
		DAX8-44	2.4 (8)	38.2	38.8	39.6	1.8	1.06 (30.7)	30	35	64	2		±5	±5	190 (118)	200 (125)	180 (396)	
		DAX10-44	3 (10)	40.1	40.7	41.2	1.5	1.06 (30.7)	30	35	66	2		±5	±5	190 (118)	200 (125)	290 (638)	
5.725 to 6.875	Single	DAX12-44	3.7(12)	41.7	42.3	42.8	1.2	1.06 (30.7)	30	35	67	2		±5	±5	190 (118)	200 (125)	420 (924)	
		DAX15-44	4.6(15)	43.7	44.3	44.8	0.9	1.06 (30.7)	30	35	67	2		±5	±5	190 (118)	200 (125)	750 (1650)	
		DA8-W57	2.4 (8)	40.7	41.5	42.3	1.4	1.15 (23.1)	30		68	2	A	±5	±5	190 (118)	200 (125)	180 (396)	
		DA10-W57	3 (10)	42.6	43.5	44.2	1.1	1.15 (23.1)	30		70	2	A	±5	±5	190 (118)	200 (125)	290 (638)	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5.925 to 6.425	Single	UA6-59	1.8 (6)	38.5	39	39.3	1.9	1.06 (30.7)	30		64	3	A	±5	±5	190 (118)	200 (125)	95 (209)
			DA8-59	2.4 (8)	41.2	41.6	42	1.5	1.06 (30.7)	30		66	2	A	±5	±5	190 (118)	200 (125)	180 (396)
			UA8-59	2.4 (8)	41.2	41.6	42	1.5	1.06 (30.7)	30		70	3	A	±5	±5	190 (118)	200 (125)	180 (396)
			DA10-59	3 (10)	43	43.4	43.7	1.2	1.06 (30.7)	30		69	2	A	±5	±5	190 (118)	200 (125)	290 (638)
			UA10-59	3 (10)	43	43.4	43.7	1.2	1.06 (30.7)	30		72	3	A	±5	±5	190 (118)	200 (125)	290 (638)
Dual		DA12-59	3.7(12)	44.8	45.1	45.4	0.9	1.06 (30.7)	30		70	2	A	±5	±5	190 (118)	200 (125)	420 (924)	
		UA12-59	3.7(12)	44.8	45.1	45.4	0.9	1.06 (30.7)	30		74	3	A	±5	±5	190 (118)	200 (125)	420 (924)	
		DA15-59	4.6(15)	46.3	46.6	47	0.8	1.06 (30.7)	30		71	2	A	±5	±5	190 (118)	200 (125)	750 (1650)	
		DAX8-59	2.4 (8)	40.9	41.3	41.7	1.5	1.06 (30.7)	30	35	66	2	A	±5	±5	190 (118)	200 (125)	180 (396)	
		DAX10-59	3 (10)	42.9	43.2	43.5	1.2	1.06 (30.7)	30	35	69	2	A	±5	±5	190 (118)	200 (125)	290 (638)	
6.425 to 7.125	Single	DAX12-59	3.7(12)	44.6	44.8	45.2	0.9	1.06 (30.7)	30	35	71	2	A	±5	±5	190 (118)	200 (125)	420 (924)	
		DAX15-59	4.6(15)	46.3	46.6	47	0.8	1.06 (30.7)	30	35	71	2	A	±5	±5	190 (118)	200 (125)	750 (1650)	
		UA6-65	1.8 (6)	39.4	39.8	40.2	1.7	1.06 (30.7)	30		67	3	A	±5	±5	190 (118)	200 (125)	95 (209)	
		DA8-65	2.4 (8)	41.9	42.3	42.8	1.3	1.06 (30.7)	30		66	2	A	±5	±5	190 (118)	200 (125)	180 (396)	
		UA8-65	2.4 (8)	41.9	42.3	42.8	1.3	1.06 (30.7)	30		70	3	A	±5	±5	190 (118)	200 (125)	180 (396)	
	Dual	DA10-65	3 (10)	43.7	44.1	44.6	1.0	1.06 (30.7)	30		69	2	A	±5	±5	190 (118)	200 (125)	290 (638)	
		UA10-65	3 (10)	43.7	44.1	44.6	1.0	1.06 (30.7)	30		72	3	A	±5	±5	190 (118)	200 (125)	290 (638)	
		DA12-65	3.7(12)	45.3	45.8	46.2	0.8	1.06 (30.7)	30		70	2	A	±5	±5	190 (118)	200 (125)	420 (924)	
		UA12-65	3.7(12)	45.3	45.8	46.2	0.8	1.06 (30.7)	30		74	3	A	±5	±5	190 (118)	200 (125)	420 (924)	
		DA15-65	4.6(15)	47	47.5	47.9	0.7	1.06 (30.7)	30		71	2	A	±5	±5	190 (118)	200 (125)	750 (1650)	
7.125 to 8.5	Single	DAX8-65	2.4 (8)	41.8	42.2	42.7	1.3	1.06 (30.7)	30	35	68	2	A	±5	±5	190 (118)	200 (125)	180 (396)	
		DAX10-65	3 (10)	43.5	43.9	44.4	1.0	1.06 (30.7)	30	35	70	2	A	±5	±5	190 (118)	200 (125)	290 (638)	
		DAX12-65	3.7(12)	45.1	45.6	46.0	0.8	1.06 (30.7)	30	35	71	2	A	±5	±5	190 (118)	200 (125)	420 (924)	
		DAX15-65	4.6(15)	47	47.5	47.9	0.7	1.06 (30.7)	30	35	71	2	A	±5	±5	190 (118)	200 (125)	750 (1650)	
		DA8-W71	2.4 (8)	42.6	43.3	44.1	1.1	1.10 (26.4)	30		68	2		±5	±5	190 (118)	200 (125)	180 (396)	
	Dual	UA8-W71	2.4 (8)	42.6	43.3	44.1	1.1	1.10 (26.4)	30		71	3		±5	±5	190 (118)	200 (125)	180 (396)	
		DA10-W71	3 (10)	44.6	45.3	46.1	0.9	1.10 (26.4)	30		70	2		±5	±5	190 (118)	200 (125)	290 (638)	
		UA10-W71	3 (10)	44.6	45.3	46.1	0.9	1.10 (26.4)	30		73	3		±5	±5	190 (118)	200 (125)	290 (638)	
		DA12-W71	3.7(12)	46.2	47	47.7	0.7	1.10 (26.4)	30		71	2		±5	±5	190 (118)	200 (125)	420 (924)	
		UA12-W71	3.7(12)	46.2	47	47.7	0.7	1.10 (26.4)	30		74	3		±5	±5	190 (118)	200 (125)	420 (924)	
10.3 to 10.7	Single	DA15-W71	4.6(15)	47.9	48.7	49.4	0.6	1.10 (26.4)	30		72	2		±5	±5	190 (118)	200 (125)	750 (1650)	
		DAX8-W71	2.4 (8)	42.4	43.1	43.9	1.1	1.10 (26.4)	30	35	68	2		±5	±5	190 (118)	200 (125)	180 (396)	
		UDA8-W71	2.4 (8)	42.4	43.1	43.9	1.1	1.10 (26.4)	30	35	71	3		±5	±5	190 (118)	200 (125)	180 (396)	
		DAX10-W71	3 (10)	44.4	45.1	45.9	0.9	1.10 (26.4)	30	35	70	2		±5	±5	190 (118)	200 (125)	290 (638)	
		UDA10-W71	3 (10)	44.4	45.1	45.9	0.9	1.10 (26.4)	30	35	73	3		±5	±5	190 (118)	200 (125)	290 (638)	
	Dual	DAX12-W71	3.7(12)	46.0	46.7	47.5	0.7	1.10 (26.4)	30	35	71	2		±5	±5	190 (118)	200 (125)	420 (924)	
		UDA12-W71	3.7(12)	46.0	46.7	47.5	0.7	1.10 (26.4)	30	35	74	3		±5	±5	190 (118)	200 (125)	420 (924)	
		DAX15-W71	4.6(15)	47.7	48.6	49.4	0.6	1.10 (26.4)	30	35	72	2		±5	±5	190 (118)	200 (125)	750 (1650)	
		UDA15-W71	4.6(15)	47.7	48.1	48.4	0.6	1.10 (26.4)	30	35	76	3		±5	±5	190 (118)	200 (125)	750 (1650)	
		DA8-103	2.4 (8)	45.7	45.9	46	0.8	1.08 (28.3)	30		68	2	A	±5	±5	190 (118)	200 (125)	180 (396)	
Single	DA10-103	3 (10)	47.6	47.8	47.9	0.7	1.08 (28.3)	30		70	2	A	±5	±5	190 (118)	200 (125)	290 (638)		
	DA12-103	3.7(12)	49	49.2	49.3	0.5	1.08 (28.3)	30		71	2	A	±5	±5	190 (118)	200 (125)	420 (924)		
	DAX8-103	2.4 (8)	45.6	45.8	45.9	0.8	1.08 (28.3)												

Frequency (GHz)	Polarization	Model Number	Diameter m (ft)	Gain (dBi)			3 dB-BW (deg)	VSWR/R L (dB)	X-Pol (dB)	IPI (dB)	F/B (dB)	ETSI RPE class	US FCC 101 Cat	Fine Adjust.		Windspeed km/h (mph)		Net weight kg (lb)
				Low	Mid	High								Az	Elev	Operational	Survival	
10.7 to 11.7	Single	DA8-107	2.4 (8)	46.1	46.4	46.9	0.8	1.06 (30.7)	30		71	2	A	±5	±5	190 (118)	200 (125)	180 (396)
		DA10-107	3 (10)	48	48.4	48.6	0.7	1.06 (30.7)	30		71	2	A	±5	±5	190 (118)	200 (125)	290 (638)
		DA12-107	3.7 (12)	49.4	49.8	50	0.5	1.06 (30.7)	30		71	2	A	±5	±5	190 (118)	200 (125)	420 (924)
	Dual	DAX8-107	2.4 (8)	45.9	46.2	46.7	0.8	1.06 (30.7)	30	35	69	2	A	±5	±5	190 (118)	200 (125)	180 (396)
		DAX10-107	3 (10)	47.8	48.2	48.4	0.7	1.06 (30.7)	30	35	70	2	A	±5	±5	190 (118)	200 (125)	290 (638)
		DAX12-107	3.7 (12)	49.2	49.6	49.9	0.5	1.06 (30.7)	30	35	72	2	A	±5	±5	190 (118)	200 (125)	420 (924)
12.7 to 13.25	Single	DA8-127	2.4 (8)	47.6	47.7	47.9	0.7	1.08 (28.3)	30		71	2	A	±5	±5	190 (118)	200 (125)	180 (396)
		UA8-127	2.4 (8)	47.6	47.7	47.9	0.7	1.08 (28.3)	30		74	3	A	±5	±5	190 (118)	200 (125)	180 (396)
		DA10-127	3 (10)	49.4	49.5	49.7	0.6	1.08 (28.3)	30		71	2	A	±5	±5	190 (118)	200 (125)	290 (638)
	Dual	UA10-127	3 (10)	49.4	49.5	49.7	0.6	1.08 (28.3)	30		76	3	A	±5	±5	190 (118)	200 (125)	290 (638)
		DAX8-127	2.4 (8)	47.4	47.5	47.7	0.7	1.08 (28.3)	30	35	70	2	A	±5	±5	190 (118)	200 (125)	180 (396)
		DAX10-127	3 (10)	49.2	49.3	49.5	0.6	1.08 (28.3)	30	35	71	2	A	±5	±5	190 (118)	200 (125)	290 (638)
14.2 to 15.35	Single	DA8-142	2.4 (8)	48.3	48.5	48.8	0.6	1.10 (26.4)	30		70	1		±5	±5	190 (118)	200 (125)	180 (396)
		UA8-142	2.4 (8)	48.3	48.5	48.8	0.6	1.10 (26.4)	30		73	3		±5	±5	190 (118)	200 (125)	180 (396)
	Dual	DAX8-142	2.4 (8)	48.3	48.5	48.8	0.6	1.10 (26.4)	30	35	69	1		±5	±5	190 (118)	200 (125)	180 (396)

## Performance specifications PAD and PADX

5.725 to 6.875	Single	PAD6-W57	1.8 (6)	38.1	38.9	39.7	1.9	1.15 (23.1)	30		55		A	±5	±5	190 (118)	200 (125)	65 (141)
		PAD8-W57	2.4 (8)	40.6	41.4	42.2	1.4	1.15 (23.1)	30		57		A	±5	±5	190 (118)	200 (125)	130 (285)
		PAD10-W57	3 (10)	42.6	43.5	44.2	1.1	1.15 (23.1)	30		61		A	±5	±5	190 (118)	200 (125)	264 (585)
	Dual	PADX8-W57	2.4 (8)	40.4	41.2	42.0	1.4	1.10 (26.4)	30	35	57		A	±5	±5	190 (118)	200 (125)	130 (285)
PADX10-W57		3 (10)	42.3	43.2	43.9	1.1	1.10 (26.4)	30	35	59		A	±5	±5	190 (118)	200 (125)	264 (585)	
5.725 to 7.125	Dual	PADX6-U57	1.8 (6)	37.9	38.9	39.8	1.7	1.15 <sup>1</sup> (23.1) <sup>2</sup>	30	35	55		A	±5	±5	190 (118)	200 (125)	65 (141)
		PADX8-U57	2.4 (8)	40.4	41.4	42.3	1.3	1.15 <sup>1</sup> (23.1)	30	35	57		A	±5	±5	190 (118)	200 (125)	130 (285)
		PADX10-U57	3 (10)	42.3	43.2	44.2	1.1	1.15 <sup>1</sup> (23.1)	30	35	59		A	±5	±5	190 (118)	200 (125)	264 (585)
5.925 to 6.425	Single	PAD6-59	1.8 (6)	38.4	38.7	39.1	1.8	1.06 (30.7)	30		55		A	±5	±5	190 (118)	200 (125)	84 (185)
		PAD8-59	2.4 (8)	40.9	41.3	41.6	1.4	1.06 (30.7)	30		57		A	±5	±5	190 (118)	200 (125)	130 (285)
		PAD10-59	3 (10)	42.8	43.2	43.5	1.2	1.06 (30.7)	30		61		A	±5	±5	190 (118)	200 (125)	264 (585)
5.925 to 6.875	Dual	PADX6-W59	1.8 (6)	38.2	38.9	39.5	1.7	1.10 (26.4)	30	35	55		A	±5	±5	190 (118)	200 (125)	65 (141)
		PADX8-W59	2.4 (8)	40.7	41.4	42.0	1.3	1.10 (26.4)	30	35	57		A	±5	±5	190 (118)	200 (125)	130 (285)
		PADX10-W59	3 (10)	42.7	43.4	44.0	1.1	1.10 (26.4)	30	35	59		A	±5	±5	190 (118)	200 (125)	264 (585)
	6.425 to 7.125	Single	PAD6-65	1.8 (6)	39.1	39.6	40	1.6	1.06 (30.7)	30		57		A	±5	±5	190 (118)	200 (125)
PAD8-65			2.4 (8)	39.1	39.6	40	1.6	1.06 (30.7)	30		57		A	±5	±5	190 (118)	200 (125)	130 (285)
PAD10-65			3 (10)	43.5	43.9	44.3	1.1	1.06 (30.7)	30		63		A	±5	±5	190 (118)	200 (125)	264 (585)
10.7 to 11.7	Single	PAD6-107	1.8 (6)	43.5	43.9	44.3	1	1.06 (30.7)	30		60		A	±5	±5	190 (118)	200 (125)	65 (141)
		PAD8-107	2.4 (8)	46	46.4	46.8	0.7	1.06 (30.7)	30		62		A	±5	±5	190 (118)	200 (125)	130 (285)
	Dual	PADX6-107	2.4 (8)	43.5	43.9	44.3	1	1.06 (30.7)	30	35	60		A	±5	±5	190 (118)	200 (125)	65 (141)
		PADX8-107	2.4 (8)	46	46.4	46.8	0.7	1.06 (30.7)	30	35	62		A	±5	±5	190 (118)	200 (125)	130 (285)
		PADX10-107	3 (10)	47.9	48.3	48.5	0.7	1.06 (30.7)	30	35	64		A	±5	±5	190 (118)	200 (125)	264 (585)

<sup>1</sup> 1.5 @ 5.725-5.85 GHz

<sup>2</sup> 14 @ 5.725-5.85 GHz

The performance specifications in this table apply to antennas categorized under "Configuration 1" in the associated wind speed and sway bar selection guide. In most cases, "Configuration 1" antennas offer a survival wind speed of 200 km/h. However, most 200 km/h antennas (except 4.6 m (15 ft) models) are also available in models that offer higher survival wind speed performance.

## Wind speed and sway bar selection guide

A wind speed, perimeter sway bar and sway bar connecting kit are available to complement your RFS TrunkLine antennas:

- ⊗ A wind kit increases antenna survival wind speed support from 200 km/h (125 mph) to 252 km/h (155 mph). Wind kits give customers the flexibility to upgrade survival wind speed support levels in the field during installation if wind conditions are more severe than anticipated.
- ⊗ An optional perimeter sway bar provides added assurance in case mistakes are made during installation.
- ⊗ A universal sway bar tower connecting kit allows sway bars to be attached to pipes or L-structures without drilling a hole in the pipe or structure.

Sizes (ft)	6		8		10		12		15	
Model (Prefix)	DA/DAX/UA/UDA		DA/DAX/UA/UDA		DA/DAX/UA/UDA		DA/DAX/UA/UDA		DA/DAX/UA/UDA	
Wind Speed (km/h)	Configuration 1	Configuration 2	Configuration 1	Configuration 2	Configuration 1	Configuration 2	Configuration 1	Configuration 2	Configuration 1	Configuration 2
200	200	252*	200	252*	200	252*	200	252*	200	Not Available
Sway Bar Qty	1	1	1	1	1	1	1	1	4	Not Available
252 km/h Windkit	SMA-WK-6A		SMA-WK-8		SMA-WK-10		SMA-WK-12		Not Available	
Additional Perimeter Sway Bar	SMA-SK-60-2000A				SMA-SK-60-3000A				Not Available	
Sway Bar Tower Fixation Kit					SMA-SKO-UNIVERSAL-L					

\* Order as a unique model number. For example: DAX8-65AD is the standard 200 km/h (125 mph) version; DAX8-65AD2 is the 252 km/h (155 mph) version. See page 20 for details.



## Antenna models

<http://www.tt-telecom.ru> Отдел продаж: [market@tt-telecom.ru](mailto:market@tt-telecom.ru)

Frequency Range (GHz)	Sizes (m)	Sizes (ft)	Model Name (Dual Polarized)
3.6-4.2	1.8	6	UXA6-36
	2.4	8	UXA8-36
	3	10	UXA10-36
	3.7	12	UXA12-36
	4.6	14	UXA15-36
4.4-5	1.8	6	UXA6-44
	2.4	8	UXA8-44
	3	10	UXA10-44
	3.7	12	UXA12-44
	4.6	14	UXA15-44
5.725-6.875	1.8	6	UXA6-W57 <sup>1,2</sup>
	2.4	8	UXA8-W57 <sup>1,2</sup>
	3	10	UXA10-W57 <sup>1,2</sup>
5.725-7.125	1.8	6	UXA6-U57 <sup>2</sup>
	2.4	8	UXA8-U57 <sup>2</sup>
	3.0	10	UXA10-U57 <sup>2</sup>
5.925-6.425	1.2	4	UXA4-59
	1.8	6	UXA6-59
	2.4	8	UXA8-59
	3	10	UXA10-59
	3.7	12	UXA12-59
5.925-6.875	4.6	15	UXA15-59
	1.8	6	UXA6-W59 <sup>1,2</sup>
	2.4	8	UXA8-W59 <sup>1,2</sup>
	3	10	UXA10-W59 <sup>1,2</sup>
	3.7	12	UXA12-W59 <sup>1,2</sup>
6.425-7.125	1.2	4	UXA4-65
	1.8	6	UXA6-65
	2.4	8	UXA8-65
	3	10	UXA10-65
	3.7	12	UXA12-65
	4.6	15	UXA15-65
7.125-7.75	1.2	4	UXA4-71
	1.8	6	UXA6-71
	2.4	8	UXA8-71
	3	10	UXA10-71
	3.7	12	UXA12-71
	4.6	15	UXA15-71
	1.2	4	UXA4-78
7.725-8.5	1.8	6	UXA6-78
	2.4	8	UXA8-78
	3	10	UXA10-78
	3.7	12	UXA12-78
	4.6	15	UXA15-78
	1.2	4	UXA4-103
10.3-10.7	1.8	6	UXA6-103
	2.4	8	UXA8-103
	3	10	UXA10-103
	3.7	12	UXA12-103
	1.2	4	UXA4-105
10.5-10.7	1.8	6	UXA6-105
	1.2	4	UXA4-107
10.7-11.7	1.8	6	UXA6-107
	2.4	8	UXA8-107
	3	10	UXA10-107
	3.7	12	UXA12-107
12.7-13.25	1.2	4	UXA4-127
	1.8	6	UXA6-127
	2.4	8	UXA8-127
	3	10	UXA10-127
14.2-15.35	0.6	2	UXA2-142
	1.2	4	UXA4-142
	1.8	6	UXA6-142
	2.4	8	UXA8-142
17.7-19.7	0.6	2	UXA2-190
	1.2	4	UXA4-190
	1.8	6	UXA6-190
21.2-23.6	0.6	2	UXA2-220
	1.2	4	UXA4-220
	1.8	6	UXA6-220

This table summarizes the main RFS PrimeLine models.

Additional antenna variants and customized versions are also available.

For example, RFS PrimeLine antennas can be upgraded with our specialized epoxy paints and corrosion-resistant hardware so you can bring ultra-high performance and the highest XPD levels to the harshest environments. Antenna models that are designed to meet North American standards are also available.

To confirm proper ordering models, please contact your RFS representative.

<sup>1</sup> Wideband model  
<sup>2</sup> Available only in North America



**Performance specifications** Visit our on-line e-catalog dataXpress for the latest and most complete data specifications: [www.rfsworld.com/dataXpress](http://www.rfsworld.com/dataXpress)

Frequency (GHz)	Polarization	Model Number	Diameter m (ft)	Gain (dBi)			3 dB-BW (deg)	VSWR/R L (dB)	X-Pol (dB)	IPI (dB)	F/B (dB)	ETSI RPE class	US FCC 101 Cat	Fine Adjust.		Windspeed km/h (mph)		Net weight kg (lb)
				Low	Mid	High								Az	Elev	Operational	Survival	
3.6 to 4.2	Dual	UXA6-36	1.8 (6)	33.5	34.2	34.8	3	1.10 (26.4)	35	40	60	3		±5	±5	190 (118)	200 (125)	95 (209)
		UXA8-36	2.4 (8)	36.5	37.2	37.8	2.3	1.08 (28.3)	40	45	66	3		±5	±5	190 (118)	200 (125)	180 (396)
		UXA10-36	3 (10)	38.4	39.1	39.7	1.8	1.06 (30.7)	40	45	67	3	B	±5	±5	190 (118)	200 (125)	290 (638)
		UXA12-36	3.7 (12)	40	40.7	41.3	1.5	1.06 (30.7)	40	45	70	3	A	±5	±5	190 (118)	200 (125)	420 (924)
		UXA15-36	4.6 (15)	42	42.7	43.3	1.1	1.06 (30.7)	38	45	72	3	A	±5	±5	190 (118)	200 (125)	750 (1650)
4.4 to 5	Dual	UXA6-44	1.8 (6)	35.6	36.2	36.7	2.4	1.10 (26.4)	35	40	64	3		±5	±5	190 (118)	200 (125)	95 (209)
		UXA8-44	2.4 (8)	38.2	38.8	39.6	1.8	1.06 (30.7)	40	45	66	3		±5	±5	190 (118)	200 (125)	180 (396)
		UXA10-44	3 (10)	40.1	40.7	41.2	1.5	1.06 (30.7)	40	45	68	3		±5	±5	190 (118)	200 (125)	290 (638)
		UXA12-44	3.7 (12)	41.7	42.3	42.8	1.2	1.06 (30.7)	40	45	69	3		±5	±5	190 (118)	200 (125)	420 (924)
		UXA15-44	4.6 (15)	43.7	44.3	44.8	0.9	1.06 (30.7)	38	45	71	3		±5	±5	190 (118)	200 (125)	750 (1650)
5.725 to 6.875	Dual	UXA6-W57	1.8 (6)	38.1	38.9	39.7	2	1.08 <sup>1</sup> (28.3) <sup>2</sup>	40	45	69	3	A	±5	±5	190 (118)	200 (125)	95 (209)
		UXA8-W57	2.4 (8)	40.6	41.4	42.2	1.5	1.08 <sup>1</sup> (28.3) <sup>2</sup>	40	45	77	3	A	±5	±5	190 (118)	200 (125)	180 (396)
		UXA10-W57	3 (10)	42.5	43.4	44.1	1.1	1.08 <sup>1</sup> (28.3) <sup>2</sup>	40	45	79	3	A	±5	±5	190 (118)	200 (125)	290 (638)
5.725 to 7.125	Dual	UXA6-U57	1.8 (6)	38.1	39	40	1.7	1.12 <sup>1</sup> (25) <sup>2</sup>	40	45	69	3	A	±5	±5	190 (118)	200 (125)	95 (209)
		UXA8-U57	2.4 (8)	40.6	41.6	42.6	1.3	1.12 <sup>1</sup> (25) <sup>2</sup>	40	45	77	3	A	±5	±5	190 (118)	200 (125)	180 (396)
		UXA10-U57	3 (10)	42.5	43.4	44.4	1.1	1.12 <sup>1</sup> (25) <sup>2</sup>	40	45	79	3	A	±5	±5	190 (118)	200 (125)	290 (638)
5.925 to 6.425	Dual	UXA4-59	1.2 (4)	34.1	34.5	34.8	2.8	1.10 (26.4)	38	42	60	3	B1	±5	±15	190 (118)	200 (125)	45 (99)
		UXA6-59	1.8 (6)	38.3	38.7	39	1.9	1.06 (30.7)	40	45	69	3	A	±5	±5	190 (118)	200 (125)	95 (209)
		UXA8-59	2.4 (8)	40.9	41.3	41.7	1.5	1.06 (30.7)	40	45	71	3	A	±5	±5	190 (118)	200 (125)	180 (396)
		UXA10-59	3.0 (10)	42.9	43.2	43.5	1.2	1.06 (30.7)	40	45	74	3	A	±5	±5	190 (118)	200 (125)	290 (638)
		UXA12-59	3.7 (12)	44.6	44.8	45.2	0.9	1.06 (30.7)	40	45	76	3	A	±5	±5	190 (118)	200 (125)	420 (924)
		UXA15-59	4.6 (15)	46.3	46.6	47	0.8	1.06 (30.7)	38	45	77	3	A	±5	±5	190 (118)	200 (125)	750 (1650)
5.925 to 6.875	Dual	UXA6-W59	1.8 (6)	38.4	39.1	39.7	1.9	1.08 (28.3)	40	45	75	3	A	±5	±5	190 (118)	200 (125)	95 (209)
		UXA8-W59	2.4 (8)	40.9	41.6	42.2	1.4	1.08 (28.3)	40	45	77	3	A	±5	±5	190 (118)	200 (125)	180 (396)
		UXA10-W59	3.0 (10)	42.9	43.5	44.1	1	1.08 (28.3)	40	45	73	3	A	±5	±5	190 (118)	200 (125)	290 (638)
		UXA12-W59	3.7 (12)	44.6	45.1	45.7	0.8	1.08 (28.3)	40	45	75	3	A	±5	±5	190 (118)	200 (125)	420 (924)
6.425 to 7.125	Dual	UXA4-65	1.2 (4)	34.8	35.3	35.7	2.5	1.10 (26.4)	38	42	61	3	B1	±5	±15	190 (118)	200 (125)	45 (99)
		UXA6-65	1.8 (6)	39.2	39.7	40.1	1.7	1.06 (30.7)	40	45	69	3	A	±5	±5	190 (118)	200 (125)	95 (209)
		UXA8-65	2.4 (8)	41.8	42.2	42.7	1.3	1.06 (30.7)	40	45	71	3	A	±5	±5	190 (118)	200 (125)	180 (396)
		UXA10-65	3 (10)	43.5	43.9	44.4	1	1.06 (30.7)	40	45	74	3	A	±5	±5	190 (118)	200 (125)	290 (638)
		UXA12-65	3.7 (12)	45.1	45.6	46	0.8	1.06 (30.7)	40	45	76	3	A	±5	±5	190 (118)	200 (125)	420 (924)
		UXA15-65	4.6 (15)	47	47.5	47.9	0.8	1.06 (30.7)	38	45	77	3	A	±5	±5	190 (118)	200 (125)	750 (1650)
7.125 to 7.75	Dual	UXA4-71	1.2 (4)	35.7	36.1	36.4	2.2	1.10 (26.4)	38	42	62	3		±5	±15	190 (118)	200 (125)	45 (99)
		UXA6-71	1.8 (6)	39.9	40.3	40.6	1.5	1.06 (30.7)	40	45	68	3		±5	±5	190 (118)	200 (125)	95 (209)
		UXA8-71	2.4 (8)	42.4	42.8	43.1	1.1	1.06 (30.7)	40	45	72	3		±5	±5	190 (118)	200 (125)	180 (396)
		UXA10-71	3 (10)	44.4	44.7	45.1	0.9	1.06 (30.7)	40	45	74	3		±5	±5	190 (118)	200 (125)	290 (638)
		UXA12-71	3.7 (12)	46	46.4	46.8	0.7	1.06 (30.7)	40	45	76	3		±5	±5	190 (118)	200 (125)	420 (924)
		UXA15-71	4.6 (15)	47.9	48.3	48.6	0.6	1.06 (30.7)	38	45	77	3		±5	±5	190 (118)	200 (125)	750 (1650)
7.725 to 8.5	Dual	UXA4-78	1.2 (4)	36.8	37.2	37.6	2.1	1.08 (28.3)	38	42	62	3		±5	±15	190 (118)	200 (125)	45 (99)
		UXA6-78	1.8 (6)	40.6	41.1	41.4	1.5	1.06 (30.7)	40	45	70	3		±5	±5	190 (118)	200 (125)	95 (209)
		UXA8-78	2.4 (8)	43.1	43.6	43.9	1.1	1.06 (30.7)	40	45	73	3		±5	±5	190 (118)	200 (125)	180 (396)
		UXA10-78	3.0 (10)	45.1	45.5	45.9	0.9	1.06 (30.7)	40	45	76	3		±5	±5	190 (118)	200 (125)	290 (638)
		UXA12-78	3.7 (12)	46.7	47.1	47.5	0.7	1.06 (30.7)	40	45	77	3		±5	±5	190 (118)	200 (125)	420 (924)
		UXA15-78	4.6 (15)	48.6	49	49.4	0.6	1.06 (30.7)	38	45	78	3		±5	±5	190 (118)	200 (125)	750 (1650)
10.3 to 10.7	Dual	UXA4-103	1.2 (4)	39.5	39.7	39.8	1.7	1.10 (26.4)	40	45	69	3	A	±5	±15	190 (118)	200 (125)	40 (88)
		UXA6-103	1.8 (6)	43.1	43.3	43.4	1	1.08 (28.3)	40	45	73	3	A	±5	±5	190 (118)	200 (125)	95 (209)
		UXA8-103	2.4 (8)	45.6	45.8	45.9	0.8	1.08 (28.3)	40	45	76	3	A	±5	±5	190 (118)	200 (125)	180 (396)
		UXA10-103	3 (10)	47.5	47.7	47.8	0.7	1.08 (28.3)	40	45	78	3	A	±5	±5	190 (118)	200 (125)	290 (638)
		UXA12-103	3.7 (12)	48.9	49.1	49.2	0.5	1.08 (28.3)	40	45	78	3	A	±5	±5	190 (118)	200 (125)	420 (924)
10.5 to 10.7	Dual	UXA4-105	1.2 (4)	39.7	39.8	39.9	1.7	1.08 (28.3)	40	45	69	3	A	±5	±15	190 (118)	200 (125)	45 (99)
		UXA6-105	1.8 (6)	43.2	43.3	43.4	1.1	1.06 (30.7)	40	45	75	3	A	±5	±5	190 (118)	200 (125)	95 (209)
10.7 to 11.7	Dual	UXA4-107	1.2 (4)	40	40.4	40.8	1.5	1.08 (28.3)	40	45	70	3	A	±5	±15	190 (118)	200 (125)	40 (88)
		UXA6-107	1.8 (6)	43.5	43.8	44.3	1	1.06 (30.7)	40	45	73	3	A	±5	±5	190 (118)	200 (125)	95 (209)
		UXA8-107	2.4 (8)	45.9	46.2	46.7	0.8	1.06 (30.7)	40	45	75	3	A	±5	±5	190 (118)	200 (125)	180 (396)
		UXA10-107	3 (10)	47.8	48.2	48.4	0.7	1.06 (30.7)	40	45	77	3	A	±5	±5	190 (118)	200 (125)	290 (638)
		UXA12-107	3.7 (12)	49.2	49.6	49.9	0.5	1.06 (30.7)	40	45	78	3	A	±5	±5	190 (118)	200 (125)	420 (924)

Frequency (GHz)	Polarization	Model Number	Diameter m (ft)	Gain (dBi)			3 dB-BW (deg)	VSWR/R L (dB)	X-Pol (dB)	IPI (dB)	F/B (dB)	ETSI RPE class	US FCC 101 Cat	Fine Adjust.		Windspeed km/h (mph)		Net weight kg (lb)
				Low	Mid	High								Az	Elev	Operational	Survival	
12.7 to 13.25	Dual	UXA4-127	1.2 (4)	41.3	41.4	41.6	1.7	1.10 (26.4)	40	45	67	3	A	±5	±15	190 (118)	200 (125)	45 (99)
		UXA6-127	1.8 (6)	45	45.1	45.3	0.9	1.10 (26.4)	40	45	73	3	A	±5	±5	190 (118)	200 (125)	95 (209)
		UXA8-127	2.4 (8)	47.4	47.5	47.7	0.7	1.10 (26.4)	40	45	75	3	A	±5	±5	190 (118)	200 (125)	180 (396)
		UXA10-127	3.0 (10)	49.2	49.3	49.5	0.6	1.10 (26.4)	40	45	76	3	A	±5	±5	190 (118)	200 (125)	290 (638)
14.2 to 15.35	Dual	UXA2-142	0.6 (2)	36.3	36.5	36.8	2.3	1.13 (24.3)	36	40	64	3		±23	±30	190 (118)	252 (155)	15 (33)
		UXA4-142	1.2 (4)	42.3	42.5	42.8	1.2	1.10 (26.4)	36	40	70	3		±5	±15	190 (118)	200 (125)	40 (88)
		UXA6-142	1.8 (6)	45.8	46	46.3	0.8	1.10 (26.4)	38	40	75	3		±5	±5	190 (118)	200 (125)	95 (209)
		UXA8-142	2.4 (8)	48.3	48.5	48.8	0.6	1.10 (26.4)	38	40	76	3		±5	±5	190 (118)	200 (125)	180 (396)
17.7 to 19.7	Dual	UXA2-190	0.6 (2)	37.8	38.3	38.7	1.9	1.13 (24.3)	36	40	66	3	A	±23	±30	190 (118)	252 (155)	15 (33)
		UXA4-190	1.2 (4)	44	44.5	44.9	0.9	1.13 (24.3)	36	40	72	3	A	±5	±15	190 (118)	200 (125)	40 (88)
		UXA6-190	1.8 (6)	47.5	48	48.4	0.7	1.13 (24.3)	36	40	76	3	A	±5	±5	190 (118)	200 (125)	95 (209)
21.2 to 23.6	Dual	UXA2-220	0.6 (2)	39.5	40	40.5	1.6	1.15 (23.1)	36	40	66	3	A	±23	±30	190 (118)	252 (155)	15 (33)
		UXA4-220	1.2 (4)	45.5	46	46.4	0.8	1.13 (24.3)	36	40	72	3	A	±5	±15	190 (118)	200 (125)	40 (88)
		UXA6-220	1.8 (6)	49	49.5	49.9	0.5	1.13 (24.3)	36	40	76	3	A	±5	±5	190 (118)	200 (125)	95 (209)

<sup>1</sup> 1.5 @ 5.725-5.85 GHz









<sup>2</sup> 14 @ 5.725-5.85 GHz

The performance specifications in this table apply to antennas categorized under “Configuration 1” in the associated wind speed and sway bar selection guide. In most cases, “Configuration 1” antennas offer a survival wind speed of 200 km/h. However, most 200 km/h antennas (except 4.6 m (15 ft) models) are also available in models that offer higher survival wind speed performance.

## Wind speed and sway bar selection guide

A wind kit, perimeter sway bar and sway bar connecting kit are available to complement your RFS PrimeLine antennas:

- ⊕ A wind kit increases antenna survival wind speed support from 200 km/h (125 mph) to 252 km/h (155 mph). Wind kits give customers the flexibility to upgrade survival wind speed support levels in the field during installation if wind conditions are more severe than anticipated.
- ⊕ An optional perimeter sway bar provides added assurance in case mistakes are made during installation
- ⊕ A universal sway bar tower connecting kit allows sway bars to be attached to pipes or L-structures without drilling a hole in the pipe or structure.

Sizes (ft)	2	4		4		6		8		10		12	
Model (Prefix)	UXA	UXA (below 10GHz)		UXA		UXA		UXA		UXA		UXA	
Wind Speed (km/h)	252	Configuration 1	Configuration 2	Configuration 1	Configuration 2	Configuration 1	Configuration 2	Configuration 1	Configuration 2	Configuration 1	Configuration 2	Configuration 1	Configuration 2
Sway Bar Qty		0	0	1	1	1	1	1	1	1	1	1	1
252 km/h Windkit	-		-		-		-		-		-		-
Additional Perimeter Sway Bar	Not Available	Not Available		SMA-SK-4		SMA-SK-60-2000A		SMA-SK-60-3000A					
Sway Bar Tower Fixation Kit	-	SMA-SKO-UNIVERSAL				SMA-SKO-UNIVERSAL-L							
													

\*Order as a unique model number. For example: UXA6-65BD is the standard 200 km/h (125 mph) version; UXA6-65BD2 is the 252 km/h (155 mph) version. See page 20 for details.

## Antenna models

<http://www.tt-telecom.ru> Отдел продаж: [market@tt-telecom.ru](mailto:market@tt-telecom.ru)

Frequency Range (GHz)	Sizes (m)	Sizes (ft)	Model Name (Single Polarized)	Model Name (Dual Polarized)
3.6-4.2	2.4	8	DA8-36**2H	DAX8-36**2H
	3	10	DA10-36**2H	DAX10-36**2H
	3.7	12	DA12-36**5H	DAX12-36**5H
4.4-5	2.4	8	DA8-44**2H	DAX8-44**2H
	3	10	DA10-44**2H	DAX10-44**2H
	3.7	12	DA12-44**5H	DAX12-44**5H
5.925-6.425	1.2	4	SU4-59**2H	SUX4-59**2H
	1.8	6	SU6-59**2H	SUX6-59**2H
	2.4	8	DA8-59**2H	DAX8-59**2H
	3	10	DA10-59**2H	DAX10-59**2H
6.425-7.125	3.7	12	DA12-59**5H	DAX12-59**5H
	1.2	4	SU4-65**2H	SUX4-65**2H
	1.8	6	SU6-65**2H	SUX6-65**2H
	2.4	8	DA8-65**2H	DAX8-65**2H
	3	10	DA10-65**2H	DAX10-65**2H
7.125-8.5	3.7	12	DA12-65**5H	DAX12-65**5H
	0.6	2	SU2-W71**2H <sup>1</sup>	-
	1.2	4	SU4-W71**2H <sup>1</sup>	SUX4-W71**2H <sup>1</sup>
	1.8	6	SU6-W71**2H <sup>1</sup>	SUX6-W71**2H <sup>1</sup>
	2.4	8	DA8-W71**2H <sup>1</sup>	DAX8-W71**2H <sup>1</sup>
10.3-10.7	3	10	DA10-W71**2H <sup>1</sup>	DAX10-W71**2H <sup>1</sup>
	3.7	12	DA12-W71**5H <sup>1</sup>	DAX12-W71**5H <sup>1</sup>
	0.6	2	SU2-103**2H	-
	1.2	4	SU4-103**2H	SUX4-103**2H
	1.8	6	SU6-103**2H	SUX6-103**2H
	2.4	8	DA8-103**2H	DAX8-103**2H
10.7-11.7	3	10	DA10-103**2H	DAX10-103**2H
	3.7	12	DA12-103**5H	DAX12-103**5H
	0.6	2	SU2-107**2H	-
	1.2	4	SU4-107**2H	SUX4-107**2H
	1.8	6	SU6-107**2H	SUX6-107**2H
	2.4	8	DA8-107**2H	DAX8-107**2H
12.7-13.25	3	10	DA10-107**2H	DAX10-107**2H
	3.7	12	DA12-107**2H	DAX12-107**5H
	0.6	2	SU2-127**2H	SUX2-127**2H
	1.2	4	SU4-127**2H	SUX4-127**2H
	1.8	6	SU6-127**2H	SUX6-127**2H
14.2-15.35	2.4	8	DA8-127**2H	DAX8-127**2H
	3	10	DA10-127**2H	DAX10-127**2H
	0.6	2	SU2-142**2H	SUX2-142**2H
	1.2	4	SU4-142**2H	SUX4-142**2H
17.7-19.7	1.8	6	SU6-142**2H	SUX6-142**2H
	2.4	8	DA8-142**2H	DAX8-142**2H
	0.6	2	SU2-190**2H	SUX2-190**2H
21.2-23.6	1.2	4	SU4-190**2H	SUX4-190**2H
	1.8	6	SU6-190**2H	SUX6-190**2H
	0.6	2	SU2-220**2H	SUX2-220**2H
24.25-26.5	1.2	4	SU4-220**2H	SUX4-220**2H
	1.8	6	SU6-220**2H	SUX6-220**2H
	0.6	2	SU2-250**2H	SUX2-250**2H
	1.2	4	SU4-250**2H	SUX4-250**2H

This table summarizes the main RFS Harsh Areas Line antenna models.

Additional antenna variants and customized versions are also available. For example:

- RFS PrimeLine antenna models can be upgraded with our specialized epoxy paints and corrosion-resistant hardware so you can bring ultra-high performance and the highest XPD levels to the harshest environments.
- RFS can develop customized Harsh Areas Line antennas to meet requirements for specific projects or specific wind, humidity, ice, snow, volcanic ash or pollution challenges. An antenna ice shield is also available in North America.

**\*\*** : these 2 digits indicates the antenna revision index and the flange option - see the RFS naming structure in page 20 for more details.

To confirm proper ordering models, please contact your RFS representative.

<sup>1</sup> Wideband model

# Performance specifications Visit our on-line e-catalog dataXpress for the latest and most complete data specifications: [www.rfsworld.com/](http://www.rfsworld.com/)

Frequency (GHz)	Polarization	Model Number	Diameter m (ft)	Gain (dBi)			3 dB-BW (deg)	VSWR/R L (dB)	X-Pol (dB)	IPI (dB)	F/B (dB)	ETSI RPE class	US FCC 101 Cat	Fine Adjust.		Windspeed km/h (mph)		Net weight kg (lb)	
				Low	Mid	High								Az	Elev	Operational	Survival		
3.6 to 4.2	Single	DA8-36**2H	2.4 (8)	36.5	37.2	37.8	2.3	1.06 (30.7)	30		60	2		±5	±5	190 (118)	252 (155)	190 (419)	
		DA10-36**2H	3 (10)	38.4	39.1	39.7	1.8	1.06 (30.7)	30		62	2		±5	±5	190 (118)	252 (155)	320 (706)	
		DA12-36**5H	3.7 (12)	40.0	40.7	41.3	1.5	1.06 (30.7)	30		63	2	B	±5	±5	190 (118)	252 (155)	470 (1037)	
	Dual	DAX8-36**2H	2.4 (8)	36.5	37.2	37.8	2.3	1.08 (28.3)	30	35	60	2		±5	±5	190 (118)	252 (155)	190 (419)	
		DAX10-36**5H	3 (10)	38.4	39.1	39.7	1.8	1.06 (30.7)	30	35	62	2		±5	±5	190 (118)	252 (155)	320 (706)	
4.4 to 5	Single	DAX12-36**5H	3.7 (12)	40.0	40.7	41.3	1.5	1.06 (30.7)	30	35	63	2	B	±5	±5	190 (118)	252 (155)	470 (1037)	
		DA8-44**2H	2.4 (8)	38.5	39.1	39.6	1.8	1.06 (30.7)	30		65	2		±5	±5	190 (118)	252 (155)	190 (419)	
		DA10-44**2H	3 (10)	40.4	41	41.5	1.5	1.06 (30.7)	30		67	2		±5	±5	190 (118)	252 (155)	320 (706)	
	Dual	DA12-44**5H	3.7 (12)	42	42.6	43.1	1.2	1.06 (30.7)	30		68	2		±5	±5	190 (118)	252 (155)	470 (1037)	
		DAX8-44**2H	2.4 (8)	38.2	38.8	39.6	1.8	1.06 (30.7)	30	35	64	2		±5	±5	190 (118)	252 (155)	190 (419)	
		DAX10-44**2H	3 (10)	40.1	40.7	41.2	1.5	1.06 (30.7)	30	35	66	2		±5	±5	190 (118)	252 (155)	320 (706)	
	5.925 to 6.425	Single	DAX12-44**5H	3.7 (12)	41.7	42.3	42.8	1.2	1.06 (30.7)	30	35	67	2		±5	±5	190 (118)	252 (155)	470 (1037)
			SU4-59***2H	1.2 (4)	34.9	35.3	35.6	2.8	1.15 (23.1)	30		62	3	B2	±5	±15	190 (118)	252 (155)	45 (99)
			SU6-59***2H	1.8 (6)	38.3	38.8	39.1	1.9	1.15 (23.1)	30		64	3	A	±5	±5	190 (118)	252 (155)	115 (254)
Dual		DA8-59***2H	2.4 (8)	41.2	41.6	42	1.5	1.06 (30.7)	30		66	2	A	±5	±5	190 (118)	252 (155)	190 (419)	
		DA10-59***2H	3 (10)	43	43.4	43.7	1.2	1.06 (30.7)	30		69	2	A	±5	±5	190 (118)	252 (155)	320 (706)	
		DA12-59***5H	3.7 (12)	44.8	45.1	45.4	0.9	1.06 (30.7)	30		70	2	A	±5	±5	190 (118)	252 (155)	470 (1037)	
		SUX4-59***2H	1.2 (4)	34.1	34.5	34.8	2.8	1.15 (23.1)	30	35	60	3	B2	±5	±15	190 (118)	252 (155)	45 (99)	
		SUX6-59***2H	1.8 (6)	38.1	38.6	38.9	1.9	1.15 (23.1)	30	35	64	3	A	±5	±5	190 (118)	252 (155)	115 (254)	
		DAX8-59***2H	2.4 (8)	40.9	41.3	41.7	1.5	1.06 (30.7)	30	35	67	2	A	±5	±5	190 (118)	252 (155)	190 (419)	
6.425 to 7.125	Single	DAX10-59***2H	3 (10)	42.9	43.2	43.5	1.2	1.06 (30.7)	30	35	69	2	A	±5	±5	190 (118)	252 (155)	320 (706)	
		DA12-59***5H	3.7 (12)	44.6	44.8	45.2	0.9	1.06 (30.7)	30	35	71	2	A	±5	±5	190 (118)	252 (155)	470 (1037)	
		SU4-65***2H	1.2 (4)	35.6	36	36.5	2.5	1.15 (23.1)	30		61	3	B2	±5	±15	190 (118)	252 (155)	45 (99)	
	Dual	SU6-65***2H	1.8 (6)	39.2	39.7	40.1	1.7	1.15 (23.1)	30		65	3	A	±5	±5	190 (118)	252 (155)	115 (254)	
		DA8-65***2H	2.4 (8)	41.9	42.3	42.8	1.3	1.06 (30.7)	30		66	2	A	±5	±5	190 (118)	252 (155)	190 (419)	
		DA10-65***2H	3 (10)	43.7	44.1	44.6	1	1.06 (30.7)	30		69	2	A	±5	±5	190 (118)	252 (155)	320 (706)	
		DA12-65***5H	3.7 (12)	45.3	45.8	46.2	0.8	1.06 (30.7)	30		70	2	A	±5	±5	190 (118)	252 (155)	470 (1037)	
		SUX4-65***2H	1.2 (4)	34.8	35.3	35.7	2.5	1.15 (23.1)	30	35	61	3	B2	±5	±15	190 (118)	252 (155)	45 (99)	
		SUX6-65***2H	1.8 (6)	39.0	39.5	39.9	1.7	1.15 (23.1)	30	35	65	3	A	±5	±5	190 (118)	252 (155)	115 (254)	
7.125 to 8.5	Single	DAX8-65***2H	2.4 (8)	41.8	42.2	42.7	1.3	1.06 (30.7)	30	35	68	2	A	±5	±5	190 (118)	252 (155)	190 (419)	
		DA10-65***5H	3 (10)	43.5	43.9	44.4	1	1.06 (30.7)	30	35	70	2	A	±5	±5	190 (118)	252 (155)	320 (706)	
		DA12-65***5H	3.7 (12)	45.1	45.6	46.0	0.8	1.06 (30.7)	30	35	71	2	A	±5	±5	190 (118)	252 (155)	470 (1037)	
	Dual	SU2-W71***2H	0.6 (2)	30.8	31.3	31.9	4.3	1.20 (20.8)	30		55	2		±23	±30	190 (118)	252 (155)	15 (33)	
		SU4-W71***2H	1.2 (4)	36.2	36.9	37.6	2.2	1.15 (23.1)	30		63	3		±5	±15	190 (118)	252 (155)	45 (99)	
		SU6-W71***2H	1.8 (6)	40	40.8	41.6	1.5	1.15 (23.1)	30		67	3		±5	±5	190 (118)	252 (155)	115 (254)	
		DA8-W71***2H	2.4 (8)	42.6	43.3	44.1	1.1	1.10 (26.4)	30		68	2		±5	±5	190 (118)	252 (155)	190 (419)	
		DA10-W71***2H	3 (10)	44.6	45.3	46.1	0.9	1.10 (26.4)	30		70	2		±5	±5	190 (118)	252 (155)	320 (706)	
		DA12-W71***5H	3.7 (12)	46.2	47	47.7	0.7	1.10 (26.4)	30		71	2		±5	±5	190 (118)	252 (155)	470 (1037)	
Dual	SUX4-W71***2H	1.2 (4)	36.1	36.8	37.5	2.2	1.19 (21.2)	30	35	63	3		±5	±15	190 (118)	252 (155)	45 (99)		
	SUX6-W71***2H	1.8 (6)	39.8	40.6	41.4	1.5	1.19 (21.2)	30	35	67	3		±5	±5	190 (118)	252 (155)	115 (254)		
	DAX8-W71***2H	2.4 (8)	42.4	43.1	43.9	1.1	1.10 (26.4)	30	35	68	2		±5	±5	190 (118)	252 (155)	190 (419)		
	DAX10-W71***2H	3 (10)	44.4	45.1	45.9	0.9	1.10 (26.4)	30	35	70	2		±5	±5	190 (118)	252 (155)	320 (706)		
	DAX12-W71***5H	3.7 (12)	46.0	46.7	47.5	0.7	1.10 (26.4)	30	35	71	2		±5	±5	190 (118)	252 (155)	470 (1037)		
	SU2-103***2H	0.6 (2)	33.4	33.6	33.8	3.2	1.20 (20.8)	30		59	3		±23	±30	190 (118)	252 (155)	15 (33)		
10.3 to 10.7	Single	SU4-103***2H	1.2 (4)	39.6	39.8	39.9	1.6	1.15 (23.1)	32		65	3	A	±5	±15	190 (118)	252 (155)	45 (99)	
		SU6-103***2H	1.8 (6)	43.2	43.4	43.5	1	1.15 (23.1)	32		70	3	A	±5	±5	190 (118)	252 (155)	115 (254)	
		DA8-103***2H	2.4 (8)	45.7	45.9	46	0.8	1.08 (28.3)	30		68	2	A	±5	±5	190 (118)	252 (155)	190 (419)	
	Dual	DA10-103***2H	3 (10)	47.6	47.8	47.9	0.7	1.08 (28.3)	30		70	2	A	±5	±5	190 (118)	252 (155)	320 (706)	
		DA12-103***5H	3.7 (12)	49	49.2	49.3	0.5	1.08 (28.3)	30		71	2	A	±5	±5	190 (118)	252 (155)	470 (1037)	
		SUX4-103***2H	1.2 (4)	39.5	39.7	39.8	1.6	1.20 (20.8)	32	35	65	3	A	±5	±15	190 (118)	252 (155)	45 (99)	
		SUX6-103***2H	1.8 (6)	43.1	43.3	43.4	1	1.20 (20.8)	32	35	70	3	A	±5	±5	190 (118)	252 (155)	115 (254)	
		DAX8-103***2H	2.4 (8)	45.6	45.8	45.9	0.8	1.08 (28.3)	30	35	68	2	A	±5	±5	190 (118)	252 (155)	190 (419)	
		DAX10-103***2H	3 (10)	47.5	47.7	47.8	0.7	1.08 (28.3)	30	35	70	2	A	±5	±5	190 (118)	252 (155)	320 (706)	
10.7 to 11.7	Single	DAX12-103***5H	3.7 (12)	48.9	49.1	49.2	0.5	1.08 (28.3)	30	35	71	2	A	±5	±5	190 (118)	252 (155)	470 (1037)	
		SU2-107***2H	0.6 (2)	33.8	34.2	34.6	3.1	1.20 (20.8)	30		60	2		±23	±30	190 (118)	252 (155)	15 (33)	
		SU4-107***2H	1.2 (4)	40.1	40.5	40.9	1.5	1.15 (23.1)	32		66	3	A	±5	±15	190 (118)	252 (155)	45 (99)	
	Dual	SU6-107***2H	1.8 (6)	43.7	44	44.5	1	1.15 (23.1)	32		70	3	A	±5	±5	190 (118)	252 (155)	115 (254)	
		DA8-107***2H	2.4 (8)	46.1	46.4	46.9	0.8	1.06 (30.7)	30		71	2	A	±5	±5	190 (118)	252 (155)	190 (419)	
		DA10-107***2H	3 (10)	48	48.4	48.6	0.7	1.06 (30.7)	30		71	2	A	±5	±5	190 (118)	252 (155)	320 (706)	
		DA12-107***5H	3.7 (12)	49.4	49.8	50	0.5	1.06 (30.7)	30		71	2	A	±5	±5	190 (118)	252 (155)	470 (1037)	
		SUX4-107***2H	1.2 (4)	40.0	40.4	40.8	1.5	1.20 (20.8)	32	35	66	3	A	±5	±15	190 (118)	252 (155)	45 (99)	
		SUX6-107***2H	1.8 (6)	43.6	43.9	44.4	1	1.20 (20.8)	32	35	70	3	A	±5	±5	190 (118)	252 (155)	115 (254)	
Dual	DAX8-107***2H	2.4 (8)	45.9	46.2	46.7	0.8	1.06 (30.7)	30	35	69	2	A	±5	±5	190 (118)	252 (155)	190 (419)		
	DAX10-107***2H	3 (10)	47.8	48.2	48.4	0.7	1.06 (30.7)	30	35	70	2	A	±5	±5	190 (118)	252 (155)	320 (706)		
	DAX12-107***5H	3.7 (12)	49.2	49.6	49.9	0.5	1.06 (30.7)	30	35	72	2	A	±5	±5	190 (118)	252 (155)	470 (1037)		

# Performance specifications

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Frequency (GHz)	Polarization	Model Number	Diameter m (ft)	Gain (dBi)			3 dB-BW (deg)	VSWR/R L (dB)	X-Pol (dB)	IPI (dB)	F/B (dB)	ETSI RPE class	US FCC 101 Cat	Fine Adjust.		Windspeed km/h (mph)		Net weight kg (lb)		
				Low	Mid	High								Az	Elev	Operational	Survival			
12.7 to 13.25	Single	SU2-127***2H	0.6 (2)	35.2	35.4	35.6	2.7	1.20 (20.8)	32		62	3		±23	±30	190 (118)	252 (155)	15 (33)		
		SU4-127***2H	1.2 (4)	41.3	41.5	41.7	1.4	1.20 (20.8)	32		67	3	B	±5	±15	190 (118)	252 (155)	45 (99)		
		SU6-127***2H	1.8 (6)	44.9	45.1	45.3	0.9	1.20 (20.8)	32		72	3	A	±5	±5	190 (118)	252 (155)	115 (254)		
		DA8-127***2H	2.4 (8)	47.6	47.7	47.9	0.7	1.08 (28.3)	30		71	2	A	±5	±5	190 (118)	252 (155)	190 (419)		
		DA10-127***2H	3 (10)	49.4	49.5	49.7	0.6	1.08 (28.3)	30		71	2	A	±5	±5	190 (118)	252 (155)	320 (706)		
	Dual	SUX2-127***2H	0.6 (2)	35.1	35.3	35.5	2.7	1.25 19.1	32	35	65	3		±23	±30	190 (118)	252 (155)	15 (33)		
		SUX4-127***2H	1.2 (4)	41.3	41.5	41.7	1.4	1.25 19.1	32	35	67	3	B	±5	±15	190 (118)	252 (155)	45 (99)		
		SUX6-127***2H	1.8 (6)	44.8	45.0	45.2	0.9	1.25 19.1	32	35	72	3	A	±5	±5	190 (118)	252 (155)	115 (254)		
		DAX8-127***2H	2.4 (8)	47.4	47.5	47.7	0.7	1.10 26.4	30	35	70	2	A	±5	±5	190 (118)	252 (155)	190 (419)		
		DAX10-127***2H	3 (10)	49.2	49.3	49.5	0.6	1.10 26.4	30	35	71	2	A	±5	±5	190 (118)	252 (155)	320 (706)		
14.2 to 15.35	Single	SU2-142***2H	0.6 (2)	36.2	36.5	36.8	2.3	1.20 (20.8)	32		62	2		±23	±30	190 (118)	252 (155)	15 (33)		
		SU4-142***2H	1.2 (4)	42.2	42.5	42.8	1.2	1.20 (20.8)	32		70	2		±5	±15	190 (118)	252 (155)	45 (99)		
		SU6-142***2H	1.8 (6)	45.7	46	46.3	0.8	1.20 (20.8)	32		73	2		±5	±5	190 (118)	252 (155)	115 (254)		
		DA8-142***2H	2.4 (8)	48.3	48.5	48.8	0.6	1.10 (26.4)	30		70	1		±5	±5	190 (118)	252 (155)	190 (419)		
	Dual	SUX2-142***2H	0.6 (2)	36.2	36.5	36.8	2.3	1.20 (20.8)	32	35	62	2		±23	±30	190 (118)	252 (155)	15 (33)		
		SUX4-142***2H	1.2 (4)	42.1	42.4	42.7	1.2	1.20 (20.8)	32	35	70	2		±5	±15	190 (118)	252 (155)	45 (99)		
		SUX6-142***2H	1.8 (6)	45.6	45.9	46.2	0.8	1.20 (20.8)	32	35	74	2		±5	±5	190 (118)	252 (155)	115 (254)		
		DAX8-142***2H	2.4 (8)	48.3	48.5	48.8	0.6	1.10 (26.4)	30	35	69	1		±5	±5	190 (118)	252 (155)	190 (419)		
		17.7 to 19.7	Single	SU2-190***2H	0.6 (2)	41.6	42.1	42.6	1.3	1.20 (20.8)	32		63	2	A	±23	±30	190 (118)	252 (155)	15 (33)
				SU4-190***2H	1.2 (4)	44.1	44.6	45.1	0.9	1.20 (20.8)	32		71	2	A	±5	±15	190 (118)	252 (155)	45 (99)
SU6-190***2H	1.8 (6)	47.5		48	48.5	0.7	1.20 (20.8)	32		75	2	A	±5	±5	190 (118)	252 (155)	115 (254)			
Dual	SUX2-190***2H	0.6 (2)	41.6	42.1	42.6	1.3	1.20 (20.8)	32	35	63	2	A	±23	±30	190 (118)	252 (155)	15 (33)			
	SUX4-190***2H	1.2 (4)	44.0	44.5	45.0	0.9	1.20 (20.8)	32	35	67	2	A	±5	±15	190 (118)	252 (155)	45 (99)			
	SUX6-190***2H	1.8 (6)	47.4	47.9	48.4	0.7	1.20 (20.8)	32	35	76	2	A	±5	±5	190 (118)	252 (155)	115 (254)			
	21.2 to 23.6	Single	SU2-220***2H	0.6 (2)	39.5	40	40.5	1.6	1.25 (19.1)	32		66	2	A	±23	±30	190 (118)	252 (155)	15 (33)	
SU4-220***2H			1.2 (4)	45.6	46.1	46.6	0.8	1.20 (20.8)	32		72	3	A	±5	±15	190 (118)	252 (155)	45 (99)		
SU6-220***2H			1.8 (6)	49	49.5	50	0.5	1.20 (20.8)	32		75	2	A	±5	±5	190 (118)	252 (155)	115 (254)		
Dual		SUX2-220***2H	0.6 (2)	39.5	40	40.5	1.6	1.25 (19.1)	32	35	66	2	A	±23	±30	190 (118)	252 (155)	15 (33)		
		SUX4-220***2H	1.2 (4)	45.6	46.1	46.6	0.8	1.20 (20.8)	32	35	72	3	A	±5	±15	190 (118)	252 (155)	45 (99)		
		SUX6-220***2H	1.8 (6)	49	49.5	50	0.5	1.20 (20.8)	32	35	75	2	A	±5	±5	190 (118)	252 (155)	115 (254)		
24.25 to 26.5	Single	SU2-250***2H	0.6 (2)	40.5	40.8	41.3	1.4	1.25 (19.1)	32		67	2	B	±23	±30	190 (118)	252 (155)	15 (33)		
		SU4-250***2H	1.2 (4)	46.8	47.2	47.6	0.7	1.20 (20.8)	32		73	3	A	±5	±15	190 (118)	252 (155)	45 (99)		
	Dual	SUX2-250***2H	0.6 (2)	40.5	40.8	41.3	1.4	1.25 (19.1)	32	35	67	2	B	±23	±30	190 (118)	252 (155)	15 (33)		
		SUX4-250***2H	1.2 (4)	46.7	47.1	47.5	0.7	1.25 (19.1)	32	35	73	3	A	±5	±15	190 (118)	252 (155)	45 (99)		



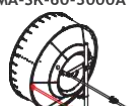


\*\* : these 2 digits indicate the antenna revision index and the flange option - see the RFS naming structure on page 20 for more details.

## Wind speed and sway bar selection guide

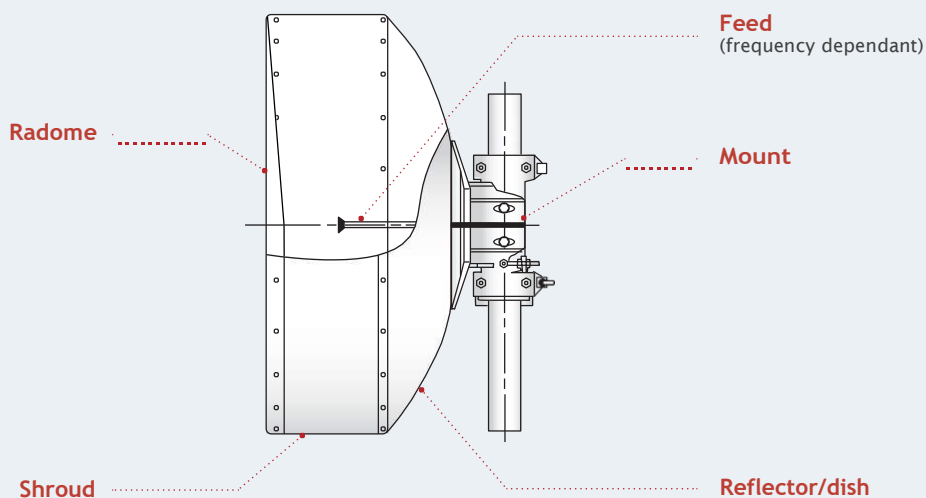
A perimeter sway bar and sway bar connecting kit are available to complement your RFS Harsh Areas Line antennas:

⊕ An optional perimeter sway bar provides added assurance in case mistakes are made during installation

⊕ A universal sway bar tower connecting kit allows sway bars to be attached to pipes or L-structures without drilling a hold in the pipe or structure.

Sizes (ft)	2	4	4	6	8	10	12
Model (Prefix)	SU/SUX	SUX (below 10 GHz)	SU/SUX	SU/SUX	DA/DAX	DA/DAX	DA/DAX
Wind Speed (km/h)	252	252	252	252	252	252	252
Sway Bar Qty	0	1	1	1	1	1	1
Additional Perimeter Sway Bar	Not Available	Not Available					
Sway Bar Tower Fixation Kit	-						

# Glossary



## Gain

The ratio of the radiation intensity in the main beam axis to the radiation intensity that would be obtained if the power accepted by the antenna were radiated isotropically. Value measured in dBi. The values are stated for the three frequencies at mid-band as well as for the bottom and top of the frequency band. The tolerance for antenna gain is  $\pm 0.5$  dB.

## Half power beam width (3 dB-BW)

The angle, relative to the main beam axis, between the two directions at which the co-polar pattern is 3 dB below the value on the main beam axis.

## Voltage standing wave ratio (VSWR) or return loss

The voltage standing wave ratio, or return loss, characterizes the level of energy reflected by impedance mismatching along an electrical transmission line. Expressed in dB, the return loss is a logarithmic measure of the reflection coefficient. It represents the ratio of the transmitted power to the reflected power.

The stated values are guaranteed across the frequency band of operation.

## Radiation pattern envelope (RPE)

The envelope represents the worst values of measurements taken on the pattern test range at the three frequencies that are mid-band, bottom and top of band, in copolar and cross-polar conditions, horizontal and vertical polarized, over the full  $360^\circ$  of azimuth.

Since the envelope is drawn over the highest peaks of all measurements, actual interference radiation in an operational system will generally be smaller than calculated from the RPE. Tolerance on given values is 3 dB in an angular region of  $\pm 100^\circ$  and 2 dB from  $100^\circ$  to  $180^\circ$ .

## Front-to-back ratio (F/B)

The highest level of radiation relative to the main beam in an angular zone of  $180^\circ \pm 40^\circ$  for all antennas. Tolerance on stated values is 2 dB.

## Cross polarization discrimination (XPD)

The difference in dB between the co-polarized main beam gain and the orthogonal signal measured within an angular zone of azimuth that is twice the maximum half power beam width of the frequency band.

## Inter-port isolation (IPI)

The ratio in dB of the power level applied to one input port of a dual-polarized antenna to the power level received in the other input port on the same antenna.

## Operational wind speed

The antenna axis deflection is less than one-third of the half power beam width at the highest frequency supported. The drop in signal is only approximately 1 dB; the radio link will therefore continue to operate.

## Survival wind speed

The antenna sub-system will survive the specified survival wind speed without any permanent deformation or changes of shape, although realignment might be needed. An additional load of a 25 mm (1 in) radial ice layer is taken into account.

# Understanding RFS model names

<http://www.tt-telecom.ru> Отдел продаж: [market@tt-telecom.ru](mailto:market@tt-telecom.ru)

All RFS model names are based on a naming structure that tells you\*:

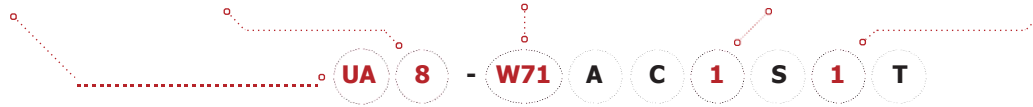
The antenna family to which they belong

The antenna diameter

The antenna frequency range

The antenna mechanical options

The antenna color



UA		8 - W71		A	C	1'	S'	1'	T'
ANTENNA FAMILY	DIAMETER	FREQUENCY RANGE GHz	ANTENNA REVISION	FLANGE OPTIONS	MECHANICAL OPTIONS	ENVIRONMENT OPTIONS	COLOR OPTIONS <sup>4</sup>	RADOME OPTIONS	
SB	Single polarized CompactLine <sup>®</sup>	05 <sup>2</sup> 0.5 ft (0.15 m)	23 2.3-2.5	A 1 <sup>st</sup> revision	B PBR flange	1 Survival Wind speed 200 km/h, standard reflector condition · From 1 ft to 10 ft: reflector is non-split · 12 ft: reflector is split (except UXA type which is non split) · 15 ft: reflector is split (including UXA) <i>This digit is omitted in the model name when no other specific option is needed.</i>	S Standard Environment Corresponds to the most common configurations. <i>This digit is therefore omitted in the model name when no other specific option is needed.</i>	1 Natural White (Standard) <i>Corresponds to the RFS standard configuration. Other options are available upon request.</i>	T Teflon Radome
SBX	Dual polarized CompactLine <sup>®</sup>	1 1 ft (0.3 m)	34 3.4-3.9	B 2 <sup>nd</sup> revision	C CPR flange	2 Survival Wind speed 250 km/h, standard reflector condition	D Dark Grey (RAL 7030)	R Rigid radome for standard performance antenna only	
SC	Single polarized CompactLine Easy	2 2 ft (0.6 m)	36 3.6-4.2	C 3 <sup>rd</sup> revision	D PDR flange	4 Survival Wind speed 200 km/h, non standard reflector condition · From 8 ft to 10 ft: reflector is split · 12 ft: reflector is non split (except UXA type which is split)	G Grey (RAL 7000)	L No logo on radome	
SCX	Dual polarized CompactLine Easy	3 3 ft (0.9 m)	44 4.4-5		J N-male connector with Jumper	5 Survival Wind speed 250 km/h, non standard reflector condition	L Light Grey (RAL 7035)		
DA	Single polarized High Performance	4 4 ft (1.2 m)	52 5.25-5.85		N N-female connector	7 Survival Wind speed 200 km/h, standard reflector and extra sway bar at the rim	O Olive Green (RAL 6003)		
DAX	Dual polarized High Performance	6 6 ft (1.8 m)	W57 5.725-6.875		U UG-flange	8 Survival Wind speed 250 km/h, standard reflector and extra sway bar at the rim			
UA	Single polarized Ultra High Performance	8 8 ft (2.4 m)	U57 5.725-7.125		V UDR-flange	B Installation on pipe diameter 219 mm			
UDA	Dual polarized Ultra High Performance	10 10 ft (3 m)	59 5.925-6.425		W UBR-flange	Q Survival wind speed 250km/h and installation on pipe diameter 219mm			
PAD <sup>3</sup>	Single polarized improved performance	12 12 ft (3.7 m)	W59 5.925-6.875		X PBR 260-flange in 250 band/ Flange R84 on frequency 71	R Class 1 antenna (200 km/h +25mm ice or 180 km/h +55 mm ice) applicable on specific antenna			
PADX <sup>3</sup>	Dual polarized improved performance	15 15 ft (4.6 m)	W60 5.925-7.125		Z Choke-flange	S Class 2 antenna (250 km/h +25mm ice or 225 km/h +55 mm ice) applicable on specific antenna			
UXA	Dual polarized Ultra High performance with High Cross Polarization Discrimination		71 7.125-7.75			T Survival Wind speed 200 km/h, standard reflector and 2 extra sway bars at the rim applicable on specific antenna			
SU	Single polarized SlimLine <sup>®</sup> Ultra High Performance		78 7.725-8.5			U Survival Wind speed 250 km/h, standard reflector and 2 extra sway bars at the rim applicable on specific antenna			
SUX	Dual polarized SlimLine <sup>®</sup> Ultra High Performance		W100 10-11.7						
LA	Single polarized Lens antenna		101 10.1-10.7						
SPF	Single polarized Slimline <sup>®</sup> Standard performance Non pressurized		100 10-10.7						
			103 10.3-10.7						
			107 10.7-11.7						
			127 12.7-13.25						
			142 14.2-15.35						
			190 17.7-19.7						
			220 21.2-23.6						
			250 24.25-26.5						
			280 27.5-29.5						
			320 31-33.4						
			380 37-40						
			420 40.2-43.5						
			520 51.4-52.6						
			W800 71-86						

FEED HORN RECTANGULAR WAVEGUIDE SIZE		
Frequency	IEC	EIA
36	R40	WR-229
44	R48	WR-187
W57	R70	WR-137
U57	R70	WR-137
59	R70	WR-137
W59	R70	WR-137
W60	R70	WR-137
65	R70	WR-137
71 <sup>**</sup>	R70	WR-137
W71	R84	WR-112
78	R84	WR-112
W100	R100	WR-90
101	R100	WR-90
100	R100	WR-90
103	R100	WR-90
105	R100	WR-90
107	R100	WR-90
127	R120	WR-75
142	R140	WR-62
190	R220	WR-42
220	R220	WR-42
250 <sup>***</sup>	R220	WR-42
280	R320	WR-28
320	R320	WR-28
380	R320	WR-28
420	R500	WR-19

\* Antenna versions that support specific vendor radios are not shown in this table

Some options might not be available on all antennas - please refer to RFS for specific requests

<sup>1</sup> Digits are omitted when options are not present

<sup>2</sup> Lens antenna only

<sup>3</sup> Specific to North America

<sup>4</sup> Other color options are available upon request

\*\* 71 is available with R84/WR-112 as option

\*\*\*250 is available with PBR260 as option

**For more information, please contact  
the nearest RFS sales office:**

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