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UNDERSTANDING RFS ANTENNAS TRUNKLINE CLASS 2 (DA/DAX) AND CLASS 3 (UA/UDA)

FOR LONG DISTANCES AND HIGH-CAPACITY APPLICATIONS

Designed for: Microwave backbone networks, long distances, high-capacity links

Installed on: Towers

Featuring[1]:

- Field-proven **reliability and long life**
- **A choice** between tested and validated ultra-high (ETSI EN 302 217 Class 3 and FCC Class A) electrical performance or high (ETSI Class 2 and FCC Class B) performance
- **Support for winds** up to 200 km/h (125 mph) with high-wind versions that support winds up to 252 km/h (155 mph) and an optional sway bar for **added assurance** in case mistakes are made during installation
- A single-piece or a split-reflector configuration[2] and compact packaging to **reduce transportation costs**
- A **full line of waveguides**, options and accessories

Available in:

- Frequencies ranging from **3.6 GHz to 15.35 GHz** with support for **two wideband frequency ranges (5.725-6.875 and 7.125-8.5 GHz)** to reduce antenna requirements and simplify logistics
- Sizes ranging from **1.2 m (4 ft) to 4.6 m (15 ft)**
- **Single- and dual-polarized models** with the ability to upgrade from single to dual polarization and change frequencies in the field in most cases[3]

TRUNKLINE ANTENNAS GO THE DISTANCE

RFS TrunkLine antennas are proven around the world:

- **In Russia, a microwave backbone network based on RFS TrunkLine antennas provides cellular coverage along the main road and train arteries between Moscow and St. Petersburg**
- **In Arizona, USA, RFS TrunkLine antennas, waveguides and accessories provide the lifeline for the state's highway patrol, Emergency Medical Services (EMS) providers and other public safety services operating across long distances.**

[1] These features and model ranges apply to RFS TrunkLine DA, DAX, UA and UDA antenna models. Features and models for RFS TrunkLine PAD and PADX antennas are described separately.

[2] The split-reflector configuration is available on antennas 2.4 m (8 ft) and larger. Single-piece is the default configuration for antennas 2.4 m (8 ft) and 3 m (10 ft). Split-reflector is the default configuration for antennas 3.7 m (12 ft) and 4.6 m (15 ft)

[3] Please contact your RFS representative to verify which RFS TrunkLine antenna models support these upgrades in the field.

ANTENNA MODEL SERIES AVAILABLE FOR TRUNKLINE CLASS 2 (DA/DAX) AND CLASS 3 (UA/UDA)

			High Performance		Ultra High Performance	
Frequency Range (GHz)	**Sizes (m)**	**Sizes (ft)**	**Model Name (Single Pol)**	**Model Name (Dual Pol)**	**Model Name (Single Pol)**	**Model Name (Dual Pol)**
3.6 to 4.2	1.8	6	DA6-36	DAX6-36		
	2.4	8	DA8-36	DAX8-36		
	3.0	10	DA10-36	DAX10-36		
	3.7	12	DA12-36	DAX12-36		
	4.6	15	DA15-36	DAX15-36		
4.4 to 5.0	1.2	4	DA4-44	DAX4-44		
	1.8	6	DA6-44	DAX6-44		
	2.4	8	DA8-44	DAX8-44		
	3.0	10	DA10-44	DAX10-44		
	3.7	12	DA12-44	DAX12-44		
	4.6	15	DA15-44	DAX15-44		
5.725 to 6.875	1.8	6	DA6-W57			
	2.4	8	DA8-W57			
	3.0	10	DA10-W57			
5.925 to 6.425	1.8	6	DA6-59	DAX6-59		
	2.4	8	DA8-59	DAX8-59	UA8-59	
	3.0	10	DA10-59	DAX10-59	UA10-59	
	3.7	12	DA12-59	DAX12-59	UA12-59	
	4.6	15	DA15-59	DAX15-59		
6.425 to 7.125	1.8	6	DA6-65	DAX6-65		
	2.4	8	DA8-65	DAX8-65	UA8-65	
	3.0	10	DA10-65	DAX10-65	UA10-65	
	3.7	12	DA12-65	DAX12-65	UA12-65	
	4.6	15	DA15-65	DAX15-65		
7.125 to 8.5	1.8	6	DA6-W71	DAX6-W71		
	2.4	8	DA8-W71	DAX8-W71	UA8-W71	UDA8-W71
	3.0	10	DA10-W71	DAX10-W71	UA10-W71	UDA10-W71
	3.7	12	DA12-W71	DAX12-W71	UA12-W71	UDA12-W71
	4.6	15	DA15-W71	DAX15-W71		UDA15-W71
10.3 to 10.7	2.4	8	DA8-103	DAX8-103		
	3.0	10	DA10-103	DAX10-103		
	3.7	12	DA12-103	DAX12-103		
10.7 to 11.7	2.4	8	DA8-107	DAX8-107	UA8-107	
	3.0	10	DA10-107	DAX10-107	UA10-107	
	3.7	12	DA12-107	DAX12-107		
12.7 to 13.25	2.4	8	DA8-127	DAX8-127	UA8-127	
	3.0	10	DA10-127	DAX10-127	UA10-127	
14.2 to 15.35	2.4	8	DA8-142	DAX8-142	UA8-142	

This table summarizes the main RFS TrunkLine Class 2 (DA/DAX) and TrunkLine Class 3 (UA/UDA) antenna models.

Additional antenna variants and customized versions are also available.

For example, variants that support specific vendor's radios are available.

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

TRUNKLINE HIGH PERFORMANCE (DA/DAX) ANTENNAS

Frequency	Polarization	Model Number	Diameter		Gain			3 dB-BW	VSWR	RL.	X-Pol	IPI	F/B	ETSI RPE Class	US FCC 101 Cat	Fine Adjust.		Operational Windspeed		Survival Windspeed		Net Weight	
					Low	Mid	High									Az	Elev						
GHz			m	ft	dBi	dBi	dBi	deg		dB	dB	dB	dB			deg	deg	km/h	mph	km/h	mph	kg	lb
3.6 to 4.2	Single	DA6-36	1.8	6	33.7	34.4	35.0	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	3.0	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	35.0	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	1.08	28.3	30	35	60	2		± 5	± 5	190	118	200	125	180	396
		DAX10-36	3.0	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 5.0	Single	DA4-44	1.2	4	32.0	32.5	33.0	3.7	1.10	26.4	28		52	2		± 5	± 15	190	118	200	125	45	99
		DA6-44	1.8	6	35.9	36.5	37.0	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	3.0	10	40.4	41.0	41.5	1.5	1.06	30.7	30		67	2		± 5	± 5	190	118	200	125	290	638
		DA12-44	3.7	12	42.0	42.6	43.1	1.2	1.06	30.7	30		68	2		± 5	± 5	190	118	200	125	420	924
		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
	Dual	DAX4-44	1.2	4	32.0	32.5	33.0	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	3.0	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
		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
5.725 to 6.875	Single	DA6-W57	1.8	6	38.2	39.0	39.8	1.9	1.15	23.1	30		64	2	A	± 5	± 5	190	118	200	125	95	209
		DA8-W57	2.4	8	40.7	41.5	42.3	1.4	1.15	23.1	30		68	2		± 5	± 5	190	118	200	125	180	396
		DA10-W57	3.0	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	DA6-59	1.8	6	38.5	39.0	39.3	1.9	1.06	30.7	30		62	2	A	± 5	± 5	190	118	200	125	95	209
		DA8-59	2.4	8	41.2	41.6	42.0	1.5	1.06	30.7	30		66	2	A	± 5	± 5	190	118	200	125	180	396
		DA10-59	3.0	10	43.0	43.4	43.7	1.2	1.06	30.7	30		69	2	A	± 5	± 5	190	118	200	125	290	638
		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
		DA15-59	4.6	15	46.3	46.6	47.0	0.8	1.06	30.7	30		71	2	B	± 5	± 5	190	118	200	125	750	1650
	Dual	DAX6-59	1.8	6	38.3	38.7	39.0	1.9	1.06	30.7	30	35	64	2	A	± 5	± 5	190	118	200	125	95	209
		DAX8-59	2.4	8	40.9	41.3	41.7	1.5	1.06	30.7	30	35	67	2	A	± 5	± 5	190	118	200	125	180	396
		DAX10-59	3.0	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
		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	0.8	1.06	30.7	30	35	71	2	A	± 5	± 5	190	118	200	125	750	1650
6.425 to 7.125	Single	DA6-65	1.8	6	39.4	39.8	40.2	1.7	1.06	30.7	30		64	2	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
		DA10-65	3.0	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
		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
		DA15-65	4.6	15	47.0	47.5	47.9	0.7	1.06	30.7	30		71	2	A	± 5	± 5	190	118	200	125	750	1650
	Dual	DAX6-65	1.8	6	39.2	39.7	40.1	1.7	1.06	30.7	30	35	64	2	A	± 5	± 5	190	118	200	125	95	209
		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	3.0	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	47.0	47.5	47.9	0.7	1.06	30.7	30	35	71	2	A	± 5	± 5	190	118	200	125	750	1650
7.125 to 8.5	Single	DA6-W71	1.8	6	40.1	40.8	41.6	1.5	1.10	26.4	30		66	2		± 5	± 5	190	118	200	125	95	209
		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
		DA10-W71	3.0	10	44.6	45.3	46.1	0.9	1.10	26.4	30		70	2		± 5	± 5	190	118	200	125	290	638
		DA12-W71	3.7	12	46.2	47.0	47.7	0.7	1.10	26.4	30		71	2		± 5	± 5	190	118	200	125	420	924
		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
	Dual	DAX6-W71	1.8	6	39.9	40.6	41.4	1.5	1.10	26.4	30	35	65	2		± 5	± 5	190	118	200	125	95	209
		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
		DAX10-W71	3.0	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
		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
		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
10.3 to 10.7	Single	DA8-103	2.4	8	45.7	45.9	46.0	0.8	1.08	28.3	30		68	2	A	± 5	± 5	190	118	200	125	180	396
		DA10-103	3.0	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	49.0	49.2	49.3	0.5	1.08	28.3	30		71	2	A	± 5	± 5	190	118	200	125	420	924
	Dual	DAX8-103	2.4	8	45.6	45.8	45.9	0.8	1.10	26.4	30	35	68	2	A	± 5	± 5	190	118	200	125	180	396
		DAX10-103	3.0	10	47.5	47.7	47.8	0.7	1.10	26.4	30	35	70	2	A	± 5	± 5	190	118	200	125	290	638
		DAX12-103	3.7	12	48.9	49.1	49.2	0.5	1.10	26.4	30	35	71	2	A	± 5	± 5	190	118	200	125	420	924
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	3.0	10	48.0	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	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	3.0	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
		DA10-127	3.0	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	DAX8-127	2.4	8	47.4	47.5	47.7	0.7	1.10	26.4	30	35	70	2	A	± 5	± 5	190	118	200	125	180	396
		DAX10-127	3.0	10	49.2	49.3	49.5	0.6	1.10	26.4	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
	Dual	DAX8-142	2.4	8	48.3	48.5	48.8	0.6	1.10	26.4	30	35	69	2		± 5	± 5	190	118	200	125	180	396

TRUNKLINE ULTRA HIGH PERFORMANCE (UA/UDA) ANTENNAS

Frequency	Polarization	Model Number	Diameter		Gain			3 dB-BW	VSWR	RL.	X-Pol	IPI	F/B	ETSI RPE Class	US FCC 101 Cat	Fine Adjust.		Operational Windspeed		Survival Windspeed		Net Weight	
					Low	Mid	High									Az	Elev						
GHz			m	ft	dBi	dBi	dBi	deg		dB	dB	dB	dB			deg	deg	km/h	mph	km/h	mph	kg	lb
5.925 to 6.425	Single	UA8-59	2.4	8	41.2	41.6	42.0	1.5	1.06	30.7	30		70	3	A	± 5	± 5	190	118	200	125	180	396
		UA10-59	3.0	10	43.0	43.4	43.7	1.2	1.06	30.7	30		72	3	A	± 5	± 5	190	118	200	125	290	638
		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
6.425 to 7.125	Single	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
		UA10-65	3.0	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
		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
7.125 to 8.5	Single	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
		UA10-W71	3.0	10	44.6	45.3	46.1	0.9	1.10	26.4	30		73	3		± 5	± 5	190	118	200	125	290	638
		UA12-W71	3.7	12	46.2	47.0	47.7	0.7	1.10	26.4	30		74	3		± 5	± 5	190	118	200	125	420	924
	Dual	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
		UDA10-W71	3.0	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
		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
		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
12.7 to 13.25	Single	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
		UA10-127	3.0	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
14.2 to 15.35	Single	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	UDA8-142	2.4	8	48.3	48.5	48.8	0.6	1.10	26.4	30	35	69	3		± 5	± 5	190	118	200	125	180	396

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)	4 (< 10 GHz)		4		6		8		10		12		15
Model (Prefix)	**DAX**		**DA/DAX**		**DA/DAX/UA/UDA**		**DA/DAX/UA/UDA**		**DA/DAX/UA/UDA**		**DA/DAX/UA/UDA**		**DA/DAX/UA/UDA**
Wind Speed km/h (mph)	Config. 1	Config. 2	Config. 1	Config. 2	Config. 1	Config. 2	Config. 1	Config. 2	Config. 1	Config. 2	Config. 1	Config. 2	200 (125)
	200 (125)	252 (155)	200 (125)	252 (155)	200 (125)	252 (155)	200 (125)	252 (155)	200 (125)	252 (155)	200 (125)	252 (155)	
Sway Bar Qty	0	1	1	1	1	1	1	1	1	1	1	1	4
252 km/h Windkit	SMA-WK-4	-	SMA-WK-4D	-	SMA-WK-6A	-	SMA-WK-8	-	SMA-WK-10	-	SMA-WK-12	-	-
Additional Perimeter Sway Bar	-	-	SMA-SK-4		SMA-SK-60-2000A		SMA-SK-60-3000A						-
Sway Bar Tower Fixation Kit	SMA-SKO-UNIVERSAL				SMA-SKO-UNIV-L								

UNDERSTANDING RFS **MODEL NAMES**

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

UA — ANTENNA FAMILY

SB	Single polarized CompactLine®
SBX	Dual polarized CompactLine®
SC	Single polarized CompactLine® Easy
SCX	Dual polarized CompactLine® Easy
DA	Single polarized High Performance
DAX	Dual polarized High Performance
UA	Single polarized Ultra High Performance
UDA	Dual polarized Ultra High Performance
PAD[3]	Single polarized improved performance
PADX[3]	Dual polarized improved performance
UXA	Dual polarized Ultra High performance with High Cross Polarization Discrimination
SU	Single polarized SlimLine® Ultra High Performance
SUX	Dual polarized SlimLine® Ultra High Performance
SPF	Single polarized Slimline® Standard performance Non pressurized
SL	Single polarized SerenityLine®
SLX	Dual polarized SerenityLine®
LA	Single polarized Lens antenna
SFA	Single polarized InvisiLINE®

8- DIAMETER

04	0.4 ft (0.1m)
05[2]	0.5 ft (0.15m)
1	1 ft (0.3 m)
2	2 ft (0.6 m)
3	3 ft (0.9 m)
4	4 ft (1.2 m)
6	6 ft (1.8 m)
8	8 ft (2.4 m)
10	10 ft (3.0 m)
12	12 ft (3.7 m)
15	15 ft (4.6 m)

W71 — FREQUENCY RANGE GHz

23	2.3-2.5
36	3.6-4.2
44	4.4-5
52	5.25-5.85
W57	5.725-6.875
U57	5.725-7.125
59	5.925-6.425
W59	5.925-6.875
W60	5.925-7.125
65	6.425-7.125
71	7.125-7.75
W71	7.125-8.5
78	7.725-8.5
W100	10-11.7
103	10.3-10.7
105	10.5-10.7
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

A — ANTENNA REVISION

A	1st Revision
B	2nd Revision
C	3rd Revision
...	D, E, F, etc.

C — FLANGE OPTIONS

B	PBR flange
C	CPR flange
D	PDR flange
J	N-Male Connector with Jumper
N	N-female connector
U	UG-flange
V	UDR-flange
W	UBR-flange
X	PBR 260 flange in 250 band Flange R84 on frequency 71
Z	Choke-Flange

1[1] — MECHANICAL OPTIONS

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)This digit is omitted in the model name when no other specific option is needed.
2	Survival wind speed 250 km/h, standard reflector condition
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)
5	Survival wind speed 250 km/h, non standard reflector condition
7	Survival wind speed 200 km/h, standard reflector and extra sway bar at the rim
8	Survival wind speed 250 km/h, standard reflector and extra sway bar at the rim
B	Installation on pipe diameter 219 mm
Q	Survival wind speed 250km/h and installation on pipe diameter 219mm
R	Class 1 antenna (200 km/h +25mm ice or 180 km/h +55 mm ice) applicable on specific antenna
S	Class 2 antenna (250 km/h +25mm ice or 225 km/h +55 mm ice) applicable on specific antenna
T	Survival wind speed 200 km/h, standard reflector and 2 extra sway bars at the rim applicable on specific antenna
U	Survival wind speed 250 km/h, standard reflector and 2 extra sway bars at the rim applicable on specific antenna

S[1] — ENVIRONMENT OPTIONS

S	Standard Environment Corresponds to the most common configurations. This digit is therefore omitted in the model name when no other specific option is needed.
H	Harsh Enviroment
Q	Northern Climate (High Wind/ High Ice)

1[1] — COLOR OPTIONS[4]

1	Natural White (Standard) – Corresponds to the RFS standard configuration.
D	Dark Grey (RAL 7030)
G	Grey (RAL7000)
L	Light Grey (RAL 7035)
O	Olive Green (RAL 6003)
Z	Gray (RAL7000) with white radome

1[1] — RADOME OPTIONS

T	Teflon Radome
R	Rigid radome for standard performance antenna only
L	No logo on radome
E	Extreme radome (no logo on radome)

FEEDHORN 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 **	R70	WR-137
W71	R84	WR-112
78	R84	WR-112
W100	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***	R220	WR-42
280	R320	WR-28
320	R320	WR-28
380	R320	WR-28
420	R500	WR-19
W800****	R740	WR-12

* Antenna versions that support specific vendor radios are not shown in this table
** 71 is available with R84/WR-112 as an option
*** 250 is available in R260/WR-34 as an option
**** W800 is only available customized

Some options might not be available on all antennas (contact RFS)
[1] Digits are omitted when options are not present
[2] Lens antenna only
[3] Specific to North America
[4] Other color options are available upon request

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