

PUTIAN HIGH PERFORMANCE ANTENNAS

ELETRICAL SPECIFICATIONS

ANTENNA CODE: A-ANT-XXG-YY-C-PT

XX: FREQUENCY (GHz); YY: Diameter (inches); C/W: (Clip mount/Waveguide); PT: Putian Antenna

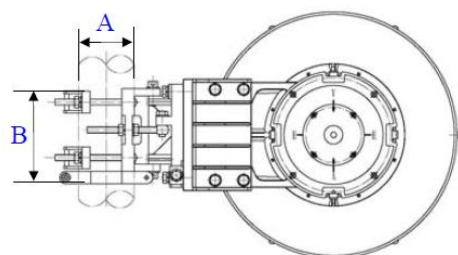
Frequency Band, GHz	Dish Size (ft)	Mid Band Gain, dBi	Beam width, degrees	Front/Back, dB	ETSI 302 217 Class	FCC Part 101	DragonWave Antenna PN*	Putian Antenna PN
6GHz 5.925-7.125	3	32.5	3.6	59	Class 3	N/A	A-ANT-06G-36-C-PT	WTC09-W59DAR-QODW
	4	35.7	2.7	62	Class 3	N/A	A-ANT-06G-48-C-PT	WTC12-W59DAR-CODW
	6	39.2	1.8	65	Class 3	Cat B	A-ANT-06G-72-C-PT	WTC18-W59DAR-CODW
7&8GHz 7.125 – 8.500	2	31.2	4.5	57	Class 3	N/A	A-ANT-07G-24-C-PT	WTC06-W71DAR-QODW
	3	34.8	3	61	Class 3	N/A	A-ANT-07G-36-C-PT	WTC09-W71DAR-QODW
	4	37.2	2.3	63	Class 3	N/A	A-ANT-07G-48-C-PT	WTC12-W71DAR-CODW
	6	40.8	1.5	67	Class 3	N/A	A-ANT-07G-72-C-PT	WTC18-W71DAR-CODW
10&11GHz 10.0-11.7	1	29.4	5.5	55	Class 3	N/A	A-ANT-11G-12-C-PT	WTC03-W100DAR-QODW
	2	34.1	3.2	60	Class 3	Cat B	A-ANT-11G-24-C-PT	WTC06-W100DAR-QODW
	3	37.6	2.1	64	Class 3	Cat B	A-ANT-11G-36-C-PT	WTC09-W100DAR-QODW
	4	40.1	1.6	66	Class 3	Cat A	A-ANT-11G-48-C-PT	WTC12-W100DAR-CODW
	6	43.6	1.1	70	Class 3	Cat A	A-ANT-11G-72-C-PT	WTC18-W100DAR-CODW
13GHz 12.75-13.25	1	31.0	4.6	59	Class 3	N/A	A-ANT-13G-12-C-PT	WTC03-127DAR-QODW
	2	35.6	2.7	61	Class 3	N/A	A-ANT-13G-24-C-PT	WTC06-127DAR-QODW
	3	39.2	1.8	65	Class 3	Cat B	A-ANT-13G-36-C-PT	WTC09-127DAR-QODW
	4	41.7	1.3	67	Class 3	Cat B	A-ANT-13G-48-C-PT	WTC12-127DAR-CODW
	6	45.2	0.9	71	Class 3	Cat A	A-ANT-13G-72-C-PT	WTC18-127DAR-CODW
15GHz 14.250-15.350	1	32.1	4.0	60	Class 3	N/A	A-ANT-15G-12-C-PT	WTC03-144DAR-QODW
	2	36.8	2.4	64	Class 3	N/A	A-ANT-15G-24-C-PT	WTC06-144DAR-QODW
	3	40.3	1.6	68	Class 3	N/A	A-ANT-15G-36-C-PT	WTC09-144DAR-QODW
	4	42.8	1.2	71	Class 3	N/A	A-ANT-15G-48-C-PT	WTC12-144DAR-CODW
	6	46.4	0.8	74	Class 3	N/A	A-ANT-15G-72-C-PT	WTC18-144DAR-CODW
18GHz 17.7-19.7	1	34.1	3.2	62	Class 3	N/A	A-ANT-18G-12-C-PT	WTC03-177DAR-QODW
	2	38.8	1.9	67	Class 3	Cat A	A-ANT-18G-24-C-PT	WTC06-177DAR-QODW
	3	42.3	1.2	70	Class 3	Cat A	A-ANT-18G-30-C-PT	WTC09-177DAR-QODW
	4	44.8	0.9	73	Class 3	Cat A	A-ANT-18G-48-C-PT	WTC12-177DAR-CODW
	6	48.3	0.6	76	Class 3	Cat A	A-ANT-18G-72-C-PT	WTC18-177DAR-CODW
23GHz 21.200-23.600	1	35.7	2.7	60	Class 3	Cat A	A-ANT-23G-12-C-PT	WTC03-212DAR-QODW
	2	40.4	1.6	64	Class 3	Cat A	A-ANT-23G-24-C-PT	WTC06-212DAR-QODW
	3	43.9	1.0	68	Class 3	Cat A	A-ANT-23G-36-C-PT	WTC09-212DAR-QODW
	4	46.4	0.8	70	Class 3	Cat A	A-ANT-23G-48-C-PT	WTC12-212DAR-CODW

26GHz 24.250-26.500	1	36.8	2.4	63	Class 3	N/A	A-ANT-26G-12-C-PT	WTC03-242DAR-QODW
	2	41.5	1.4	67	Class 3	Cat A	A-ANT-26G-24-C-PT	WTC06-242DAR-QODW
	3	45.0	1.0	71	Class 3	Cat A	A-ANT-26G-36-C-PT	WTC09-242DAR-QODW
	4	47.5	0.7	73	Class 3	Cat A	A-ANT-26G-48-C-PT	WTC12-242DAR-QODW
28GHz 27.5-29.5	1	37.7	2.1	63	Class 3	N/A	A-ANT-28G-12-C-PT	WTC03-275DAR-QODW
	2	42.5	1.2	68	Class 3	N/A	A-ANT-28G-24-C-PT	WTC06-275DAR-QODW
	3	45.9	0.8	72	Class 3	N/A	A-ANT-28G-36-C-PT	WTC09-275DAR-QODW
32GHz 31.8-33.4	1	38.9	1.8	57	Class 3	N/A	A-ANT-32G-12-C-PT	WTC03-318DAR-QODW
	2	43.6	1.1	61	Class 3	N/A	A-ANT-32G-24-C-PT	WTC06-318DAR-QODW
38GHz 37.000-40.000	1	40.4	1.5	58	Class 3	Cat A	A-ANT-38G-12-C-PT	WTC03-370DAR-QODW
	2	45.1	0.9	63	Class 3	Cat A	A-ANT-38G-24-C-PT	WTC06-370DAR-QODW

Actual antenna appearances may differ from shown.

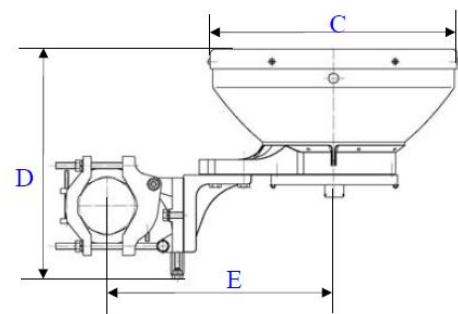
PUTIAN ANTENNA DIMENSIONS

1 Ft Dimensions

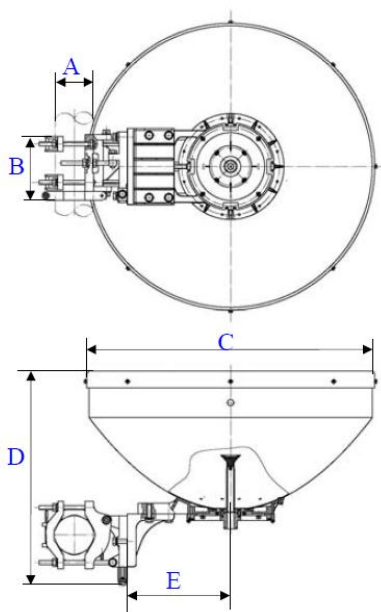


Antenna Dimensions, mm	
A	φ51 ~ φ114
B	(154)
C	(φ398)
D	(362)
E	(242)

NOTE: The dimension with“()” is referenced dimension.

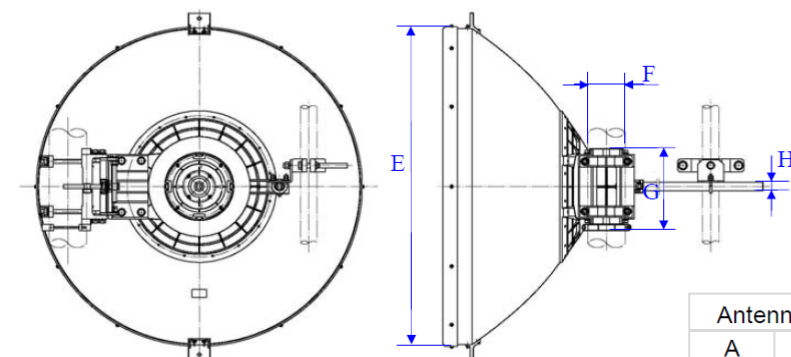


2 Ft Dimensions



Antenna Dimensions, mm	
A	φ51 ~ φ114
B	(154)
C	(φ676)
D	(485)
E	(242)

NOTE: The dimension with“()” is referenced dimension.

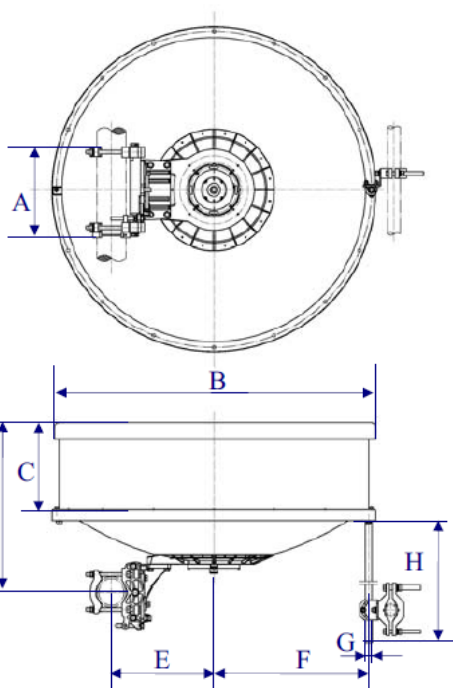
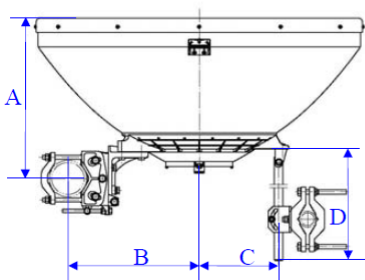


3 Ft Dimensions

Antenna Dimensions, mm

A	(498)
B	(399)
C	(241)
D	(1350)
E	($\varnothing$ 991)
F	$\varnothing$ 51~ $\varnothing$ 114
G	(260)
H	($\varnothing$ 26.8)

NOTE: The dimension with "(" is referenced dimension.

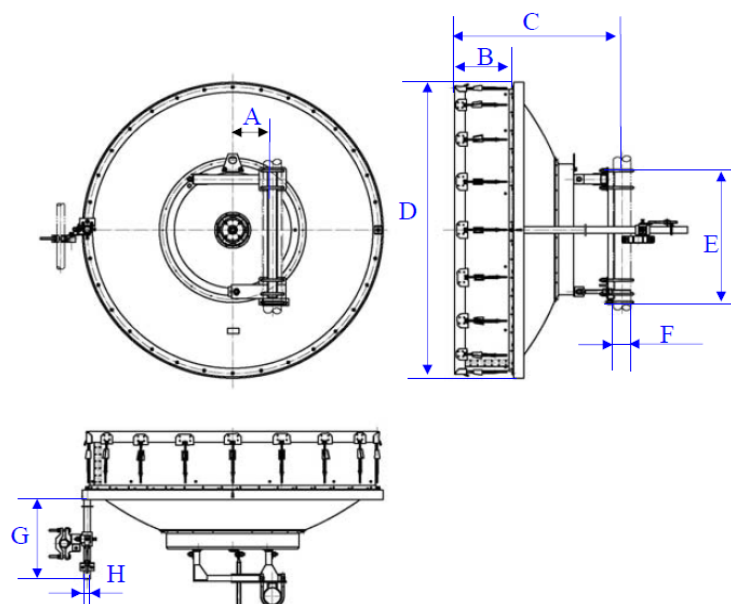


4 Ft Dimensions

Antenna Dimensions, mm

A	(329)
B	(ϕ 1271)
C	(350)
D	(669)
E	(408)
F	(612)
G	(ϕ 26.8)
H	(1500)

NOTE: The dimension with "(" is referenced dimension.



6 Ft Dimensions

Antenna Dimensions, mm

A	(255)
B	(380)
C	(1076)
D	(ϕ 1930)
E	(875)
F	ϕ 114
G	(2000)
H	(ϕ 42.3)

NOTE: The dimension with“()” is referenced dimension.

Adjusted Ranges	1-2ft	3ft	4ft	6ft
Fine Azimuth +/-	15°	10°	10°	5°
Fine Elevation +/-	15°	15°	10°	5°

PUTIAN WIND FORCES

The axial, side and twisting moment forces stated are maximum loads applied to the tower by the antenna at a survival wind speed of 250 km/h (70m/s). They are, in every case, the result of wind from the most critical direction for each parameter. The individual maximums may not occur simultaneously. All forces are referenced to the antenna mounting pipe.

	1 ft (30 cm)	2 ft (60 cm)	3 ft (90 cm)	4 ft (120 cm)	6 ft (180 cm)
Axial Force	470	1370	2940	3140	6990
Side Force	230	670	1440	1540	3430
Twisting Moment	180	530	1230	1190	-2630
Angle α (Degree)	-10	-10	-20	-20	-110

Antenna Diameter	Survival Wind Velocity, km/h
1 ft (30 cm)	250KPH
2 ft (60 cm)	250KPH
3 ft (90 cm)	250KPH
4 ft (120 cm)	250KPH
6 ft (180 cm)	250KPH

PUTIAN ANTENNA WEIGHTS

Antenna Diameter	Gross (Shipping) Weight (kg)	Net Weight (kg)
1 ft (30 cm)	11.5±2	8.5±1
2 ft (60 cm)	20±2	12±1
3 ft (90 cm)	55±3	27±7
4 ft (120 cm)	63±4	37±2
6 ft (180 cm)	158±8	97±5

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