



2026 HF / VHF / UHF ANTENNAS SOLUTIONS

KBT PRIVATE NETWORK ANTENNAS CATALOG

Version V1.0 / 01.2026



KBT
Professional Antenna Manufacturer



CONTENTS



— PRIVATE NETWORK ANTENNAS SELECTION GUIDE (2)

— KBT PRIVATE NETWORK INTRODUCTION (7)

— PRIVATE NETWORK PRODUCT TYPES (8)

— OMNI ANTENNAS (9)

VHF 150MHz VHF 230&280 MHz UHF 350MHz
UHF 400MHz UHF 500-600MHz UHF 400-800MHz
UHF 700-800MHz UHF 800-900MHz UHF 1000-1500MHz
HF/VHF/UHF Broadband Antennas

— DIRECTIONAL ANTENNAS (28)

VHF 150MHz VHF 230&280 MHz UHF 350MHz
UHF 400MHz VHF/UHF 200-400MHz
UHF 300-1800MHz UHF 400-800MHz

— MOBILE ANTENNAS (40)

VHF 150MHz VHF 230&280 MHz UHF 350MHz
UHF 400MHz UHF 500-600MHz UHF 700-800MHz
UHF 800-900MHz

— GPS ANTENNAS (53)

— PASSIVE DEVICE (54)

Splitter/Coupler
Duplexer/Lightning Protectors

— PASSIVE DEVICE ACCESSORIES (57)

— APPLICATION CASES (59)

Private Network Antennas Selection Guide

Model	POL	VHF		VHF/UHF	UHF								HF/VHF/ UHF	
		150 MHz	230&280 MHz	200-400 MHz	350 MHz	400 MHz	300-1800 MHz	400-800 MHz	500-600 MHz	700-800 MHz	800-900 MHz	1000-1500 MHz		
Omnidirectional Antennas														
TQJ-150I	V													
TQJ-150IA	V													
TQJ-150IS	V													
TQJ-150II	V													
TQJ-150IIA	V													
TQJ-150IIA-1	V													
TQJ-150Q3A	V													
TQJ-015IA-2-P500	V													
TQJ-150Q9A	V													
TQJ-015Q9A	V													
TQJ-150B	V													
TQJ-150C	V													
TQJ-150N	V													
TQJ-150M	V													
TQJ-150MB	V													
TQJ-150D	V													
TQJ-150F	V													
TQJ-150A3F25	V													
TQJ-150CII	V													
TQJ-015G5F44	V													
TQJ-150MQ	V													
TQJ-150MQ5	V													
OMA-015G3F65	V													
TQJ-01508Q5	V													
TQJ-230A3	V													
TQJ-230B	V													
TQJ-230C	V													
TQJ-230Q8	V													
TQJ-280IA	V													
TQJ-280IIA	V													
TQJ-280IIA-1	V													
TQJ-350IA	V													
TQJ-350IIA	V													
TQJ-350B	V													
TQJ-350BI	V													
TQJ-350BII-A	V													
TQJ-350C	V													
TQJ-340Q8	V													
TQJ-350UQ10-M	V													
TQJ-350AD5	V													
TQJ-350Q8-M	V													
TQJ-350Q10	V													
TQJ-350C10P300	V													
TQJ-350G5P200	V													
TQJ-04TG5F20	V													
TQJ-350XTS1	V													
TQJ-350G7F40	V													
TQJ-03508G5	V													
TQJ-350AT3	V													
TQJ-350AT06	V													
TQJ-350BF	V													
TQJ-350BII	V													
TQJ-350U8-M	V													
TQJ-400IA-S	V or H													
TQJ-400IA-2	V													
TQJ-400IA	V													
TQJ-400IIA	V													

Model	POL	VHF		VHF/UHF	UHF								HF/VHF/ UHF
		150 MHz	230&280 MHz	200-400 MHz	350 MHz	400 MHz	300-1800 MHz	400-800 MHz	500-600 MHz	700-800 MHz	800-900 MHz	1000-1500 MHz	
TQJ-400DQ-1	V												
TQJ-400DQ-2	V												
TQJ-400DQ	V												
TQJ-450XTS1	V												
TQJ-038048G3F20	V												
TQJ-400AD5	V												
TQJ -400AD6-A	V												
TQJ-400C	V												
TQJ-400D	V												
TQJ-400E	V												
TQJ-450Q8	V												
TQJ-400UQ10-M	V												
TQJ-400L7	V												
TQJ-400Q9-M	V												
TQJ-400WQ	V												
TQJ-400W2	V												
TQJ-400TF2	V												
TQJ-490G2	V												
TQJ-500AT5	V												
TQJ-500C	V												
TQJ-600B	V												
TQJ-600AT6	V												
TQJ-600G3	V												
TQJ-600G5	V												
TQJ-600W5	V												
TQJ-600AG3	V												
TQJ-600G5F40-A	V												
TQJ-600G7F40	V												
TQJ-600R5	V												
TQJ-0408XDC	V												
TQJ-0408XTL	V												
TQJ-700AT3	V												
TQJ-700AG5	V												
TQJ-700A-A	V												
TQJ-700B	V												
TQJ-700C	V												
TQJ-700F5	V												
TQJ-700W6A	V												
TQJ-750R8	V												
TQJ-800AII-M	V												
TQJ-800B-DIN	V												
TQJ-800G10	V												
TQJ-800QA	V												
TQJ-800W5	V												
TQJ-800W8A	V												
TQJ-915AT5	V												
TQJ-900A	V												
TQJ-900B	V												
TQJ-900C	V												
TQJ-900AT3	V												
TQJ-900AT6	V												
TQJ-900W3	V												
TQJ-900W9A	V												
TQJ-900AII	V												
TQJ-900DB1	V												
TQJ-900Q11-M	V												
TQJ-900R6	V												
TQJ-915W8	V												
TQJ-900T3	V												
TQJ-900T5	V												

Model	POL	VHF		VHF/UHF	UHF								HF/VHF/ UHF
		150 MHz	230&280 MHz	200-400 MHz	350 MHz	400 MHz	300-1800 MHz	400-800 MHz	500-600 MHz	700-800 MHz	800-900 MHz	1000-1500 MHz	
TQJ-09G11F38	V												
TQJ-1000AII	V												
TQJ-1000AT6	V												
TQJ-1200B	V												
TQJ-1500A	V												
TQJ-1500AT	V												
TQJ-1500DB	V												
TQJ-1500W5	V												
TQJ-30A	H												
TQJ-30B	H												
TQJ-100/400WA	V												
TQJ-1000	V												
Directional Antennas													
TDJ-150B	V or H												
TDJ-150C	V or H												
TDJ-150D	V												
TDJ-150E	V												
TDJ-023Z5	V												
TDJ-230B	V or H												
TDJ-230C	V or H												
TDJ-230D	V												
TDJ-230E	V												
TDJ-350BKB	V												
TDJ-350BFG	V												
TDJ-350BFG-Y	V												
TDJ-350A	V or H												
TDJ-350B	V or H												
TDJ-350C	V or H												
TDJ-350F	V or H												
TDJ-400A	V or H												
TDJ-400B	V or H												
TDJ-400Z5WS	V												
TDJ-400D	V												
TDJ-400E	V												
TDJ-400F	V												
TDJ-400Z5	V or H												
TDJ-400Z6	V or H												
TDJ-400Z8	V or H												
TDJ-400Z10	V or H												
TDJ-400Z12	V or H												
TDJ-450Z5C10A	V												
TDJ-450Z6HB	V												
TDJ-450Z8C15A	V												
TDJ-450Z10	V												
TDJ-450Z12C10A	V or H												
TDJ-450BKB	V												
KBT65DP08-023RT0	±45°												
KBT65VP12-036RT0-F	V												
KBT90VP08-036RT0-A	V												
KBT65DP08-04RT0	±45°												
KBT65DP15-042JS	±45°												
KBT65VP11-043AT0	V												
KBT65DP14-045AT0	±45°												
KBT65DP15-045AT0	±45°												
KBT65DP15-045AT3-F	±45°												
KBT65VP15-045AT0	V												
KBT90DP11-04RT0-A	±45°												
KBT65DP15-03850AE-I	±45°												
KBT90VP0808-03508RT0	V												
KBT90VP09-0350818RT0-C	V												

Model	POL	VHF	VHF/UHF	UHF									HF/VHF/ UHF
		150 MHz	230&280 MHz	200-400 MHz	350 MHz	400 MHz	300-1800 MHz	400-800 MHz	500-600 MHz	700-800 MHz	800-900 MHz	1000-1500 MHz	
KBT90VP14-0350818RT0-C	V												
TDJ-0408DS	V												
TDJ-500Z12	V												
TDJ-500Z5	V												
TDJ-500Z9	V												
TDJ-600Z5	V or H												
TDJ-600Z8	V or H												
TDJ-600Z10	V												
TDJ-700Z7	V or H												
TDJ-08Z8A	V or H												
TDJ-0809Z8A	V or H												
Mobile Antennas													
TQC-150AII	V												
TQC-150S	V												
TQC-150I	V												
TQC-150CI	V												
TQC-150CII	V												
TQC-150DI	V												
TQC-150DII	V												
TQC-150CK	V												
TQC-150FC	V												
TQC-150FG	V												
TQC-150FCB-W	V												
TQC-150UVD	V												
TQC-150S	V												
TQX-150A	V												
TQX-150F	V												
TQX-150L	V												
TQX-150S	V												
TQX-150SC	V												
TQC-230CI	V												
TQC-230CII	V												
TQC-350B	V												
TQC-350CII	V												
TQC-350DI	V												
TQC-350DII	V												
TQC-350FC	V												
TQC-350FC-A	V												
TQC-350G5-A	V												
TQC-350FG-W	V												
TQC-350NMO	V												
TQC-350BF	V												
TQC-350FCW1	V												
TQC-350WDBFA	V												
TQC-350WDBF	V												
TQX-350AB	V												
TQC-400BII	V												
TQC-400CII	V												
TQC-400DI	V												
TQC-400DII	V												
TQC-400FC	V												
TQC-400FG	V												
TQC-400FG-W	V												
TQC-400S	V												
TQC-400SI	V												
TQC-400SII	V												
TQC-400DIV-B	V												
TQC-400DIV-B1	V												
TQC-400DIV-B2	V												
TQC-400FCW1	V												

Model	POL	VHF		VHF/UHF	UHF								HF/VHF/ UHF
		150 MHz	230&280 MHz	200-400 MHz	350 MHz	400 MHz	300-1800 MHz	400-800 MHz	500-600 MHz	700-800 MHz	800-900 MHz	1000-1500 MHz	
TQX-400A	V												
TQX-400C	V												
TQX-400F	V												
TQX-400RS	V												
TQX-400FR	V												
TQX-450TNC-UA	V												
TQX-460TNC-U	V												
TQX-450AC	V												
TQX-450UI	V												
TQX- 450UIA	V												
TQX- 450UIB	V												
TQX-460SMA-U	V												
TQX-490RS	V												
TQX-600AB	V												
TQX-600AT	V												
TQX-600S	V												
TQC-600AI	V												
TQC-600BII	V												
TQC-600DII	V												
TQC-600S	V												
TQC-600FG	V												
TQC-600UA	V												
TQC-600G2	V												
TQC-700BII	V												
TQC-700DI	V												
TQC-700S	V												
TQC-700SI	V												
TQC-700FCG	V												
TQX-750AB	V												
TQX-700S	V												
TQC-800BII	V												
TQC-800CI	V												
TQC-800BF	V												
TQX-800L	V												
TQX-800LA	V												
TQX-800LB	V												
TQX-800LC	V												
TQC-900AII	V												
TQC-900BII	V												
TQC-900UB	V												
TQC-900S	V												
TQX-900AT	V												
TQX-900LB	V												
TQX-915AE	V												

Connecting Critical Communications, Forging Reliable Networks

In today's society, from emergency command ensuring public safety to administrative communications maintaining urban operations, and further to the Industrial Internet of Things driving industrial upgrades, Private Wireless Networks have become an indispensable lifeline for national critical infrastructure and modern enterprise operations. The core mission of private network communication is to ensure the stable, reliable, and secure transmission of critical information at any time and under any circumstances. The antenna, serving as the "senses" and "voice" of the wireless communication system, directly determines the entire network's coverage range, communication quality, and ultimate performance.



KBT as a veteran enterprise in antenna research, development, and manufacturing, KBT has a deep understanding of the industry's core demands. We are not only recognized as an established leader in the antenna sector, but are also widely trusted for our stable and reliable product performance. For decades, we have remained steadfast in advancing antenna innovation and translating cutting-edge technology into practical, real-world solutions—providing a solid, high-quality connectivity foundation for private network communications across industries worldwide.

Our deployment environments include:

- Government
- Public Security
- Military
- Healthcare
- Education
- Firefighting
- Transportation
- Water Resources
- Finance
- Electric Power
- Industry
- Others



Private Network Antenna product types

KBT offers a comprehensive portfolio of private network antenna solutions designed for multiple scenarios and categories. We provide a wide range of antennas across private network frequency bands, including omnidirectional fiberglass antennas, directional panel antennas, Yagi antennas, vehicle-mounted antennas, terminal antennas, and loop array antennas, all specifically engineered for private network communications and similar applications. We deliver a one-stop private network antenna feeder system and accessories service to our clients. Our supplied products are primarily categorized into the following 6 types:

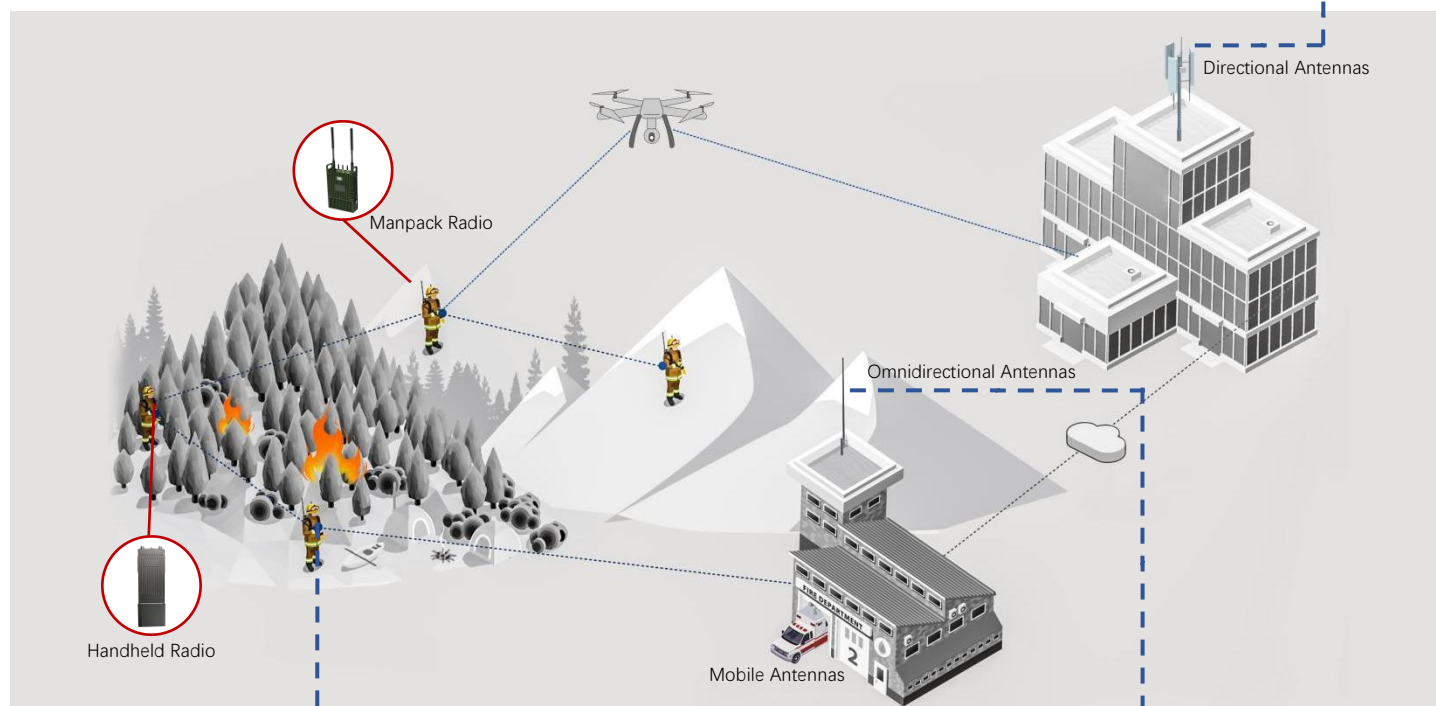
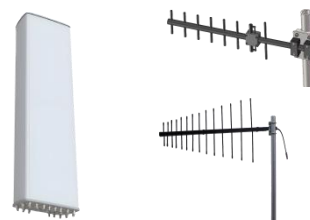
GPS Antennas



Passive Device Accessories



Directional Antennas



Mobile Antennas



Passive Device



Omnidirectional Antennas



Omnidirectional Antennas

VHF 150MHz



TQJ-150I



TQJ-150IA



TQJ-150IS



TQJ-150II



TQJ-150IIA



TQJ-150IIA-1

Category	4 Folded Dipole Antennas			8 Folded Dipole Antennas		Butterfly 8 Folded Dipole Antenna
Model	TQJ-150I	TQJ-150IA	TQJ-150IS	TQJ-150II	TQJ-150IIA	TQJ-150IIA-1
Frequency (MHz)	134-173					
Bandwidth (MHz)	8					
Gain (dBi)	Omni 8.8 Directional 11.8	Omni 9 Directional 12	Omni 8.8 Directional 11.8	Omni 11.8 Directional 14.8	Omni 12 Directional 15	10
Ver. Beam width (°)	13.5	13	13.5	6.8	6.5	10.5
VSWR	≤1.5 (Center Frequency≤1.2)					
Nominal Impedance(Ω)	50					
Polarization	Vertical					
Max. Power (W)	500	100	500	500	500	500
Length (m)	5.5	6.7	5.0	10.0	13.0	6.7
Weight (kg)	8	11	9	30	23	30
Rated Wind Velocity (m/s)	60					
Connector	UHF or N Female					
Remarks	Separated Into Two Parts			Separated Into Four Parts		Separated Into Two Parts. The Radiation Stability on a Horizontal Plane is Excellent

Note:

- 1、TQJ-150I and TQJ-150II are made from normal aluminum-alloy pipes. They are single layer aluminum pipes, and match with U-shape bracket.
- 2、TQJ-150IA and TQJ-150IIA are made from high strength aluminum-magnesium alloy pipes. They are double layer aluminum pipes, and match with papilionaceous large bracket. Anti-wind capability and corrosion resistance are excellent.

VHF 150MHz



TQJ-150Q3A



TQJ-0151A-2-P500



TQJ-150Q9A



TQJ-015Q9A

Category	Single Dipole Antenna	2 Folded Dipole Antenna	4 Folded Dipole Antennas	
Model	TQJ-150Q3A	TQJ-0151A-2-P500	TQJ-150Q9A	TQJ-015Q9A
Frequency (MHz)	145-175	134-174	144-174	134-174
Bandwidth (MHz)	30	6	30	40
Gain (dBi)	1-2.5	Omni-Directional@5, Directional@7	6-9	6-9
Ver. Beam width (°)	80	35	18	18
VSWR	≤1.5	≤1.5	≤1.5	134-144≤2.8 (Max), 144-174≤1.5
Nominal Impedance(Ω)	50			
Polarization	Vertical			
Max. Power (W)	300	500	300	300
Length (m)	1.4	3.0	5.0	5.8
Weight (kg)	5.5	2.1	13	14
Rated Wind Velocity (m/s)	60			
Connector	N Female or 7/16 DIN Female			
Remarks	Antenna Includes Main Pole And JM-DB Clamp (Pole To Be Provided By Customer).			

VHF 150MHz



TQJ-150B



TQJ-150C



TQJ-150N



TQJ-150M
TQJ-150MB



TQJ-150D



TQJ-150F

Category	Omni Antennas						
Model	TQJ-150B	TQJ-150C	TQJ-150N	TQJ-150M	TQJ-150MB	TQJ-150D	TQJ-150F
Frequency (MHz)	134-173						
Bandwidth (MHz)	8	20	8	8	2.5	8	6
Gain (dBi)	3.0	3.2	6.5	8.5	8.7	3.7	6.5
Ver. Beam width (°)	62	60	25	14.5	13.5	58	25
VSWR	≤1.5	≤1.5	≤1.5 (Center Frequency≤1.2)			≤1.5	≤1.5
Nominal Impedance(Ω)	50						
Polarization	Vertical						
Max. Power (W)	100	50	100	100	150	100	
Length (m)	1.2	1.8	3.3	4.7	5.7	1.5	3.3
Weight (kg)	1.0	2.0	2.8	5.2	5.0	2.0	3.0
Rated Wind Velocity (m/s)	60						
Connector	UHF or N Female					UHF Female	
Remarks	Fiberglass	Fiberglass Broadband	Fiberglass	Fiberglass Separated Into Two Parts		Aluminum Alloy	Aluminum Alloy Separated Into Two Parts

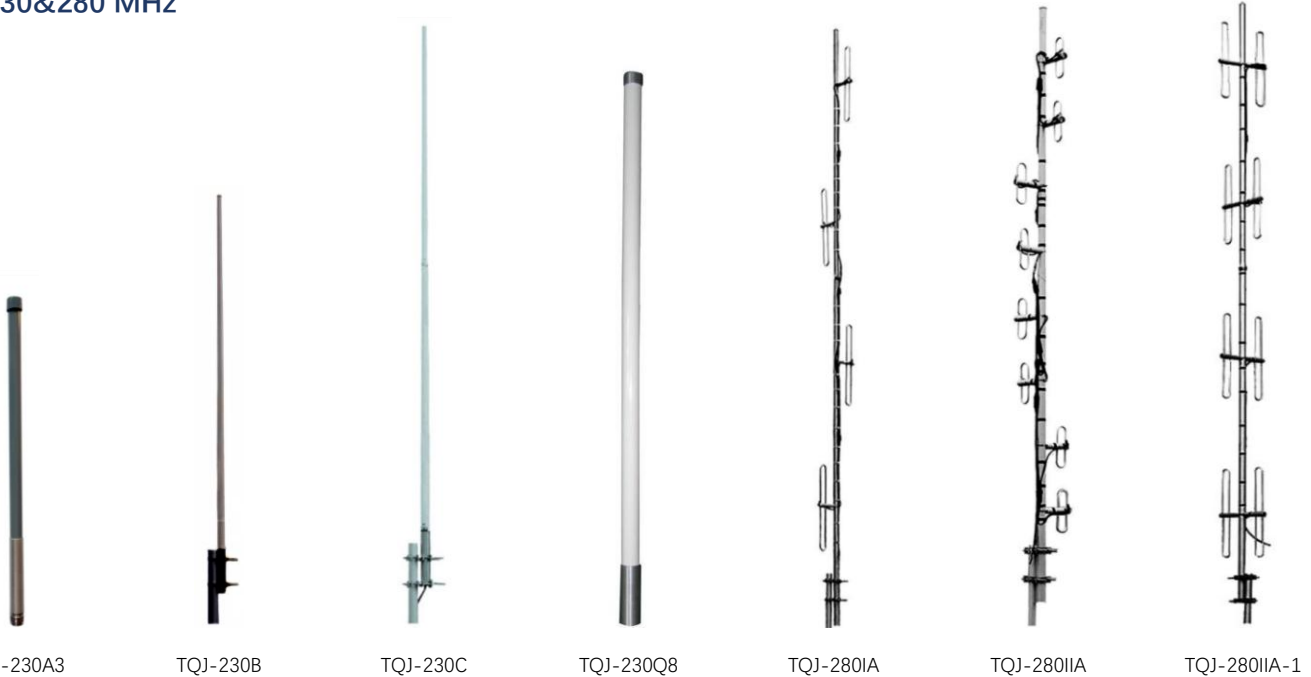
VHF 150MHz



TQJ-150A3F25 TQJ-150CII TQJ-015G5F44 TQJ-150MQ TQJ-150MQ5 OMA-015G3F65 TQJ-01508Q5

Category	Omni Antennas						
Model	TQJ-150A3F25	TQJ-150CII	TQJ-015G5F44	TQJ-150MQ	TQJ-150MQ5	OMA-015G3F65	TQJ-01508Q5
Frequency (MHz)	134-174	110-173	134-174	137-174	157.5-165.5	134-174	140-174/ 760-870
Bandwidth (MHz)	40	20	12	8	8	40	34/110
Gain (dBi)	3.2	3	5	8.5	5	3.2	2.5/5
Ver. Beam width (°)	66	60	35	14.5	35	66	65/26
VSWR	≤1.5	≤2.0	≤1.5	≤1.5	≤1.8	≤1.5	≤2.0/≤1.8
Nominal Impedance(Ω)	50						
Polarization	Vertical						
Max. Power (W)	100	100	500	100	100	100	100
Length (m)	1.4	1.6	3.6	4.9	3.0	1.4	3.0
Weight (kg)	0.6	2	0.5	8.5	4.5	1.8	7.1
Rated Wind Velocity (m/s)	60						
Connector	N Female	UHF or N Female	N Female	N Female	N Female	N Female	N Female
Remarks	Fiberglass Broadband	Fiberglass Broadband	Fiberglass High Power	Fiberglass	Fiberglass	Fiberglass	Fiberglass

VHF 230&280 MHz



Category	Omni Antennas				4 Folded Dipole Antenna	8 Folded Dipole Antenna	Butterfly 8 Folded Dipole Antenna
Model	TQJ-230A3	TQJ-230B	TQJ-230C	TQJ-230Q8	TQJ-280IA	TQJ-280IIA	TQJ-280IIA-1
Frequency (MHz)	225-235	220-290	220-290	223-235	270-290	260-290	200-290
Bandwidth (MHz)	10	9	9	12	10	9	10
Gain (dBi)	2.5	6.5	8.5	8	Omni 9 Directional 12	Omni 12 Directional 15	10
Ver. Beam width (°)	75	25	14.5	22	13	6.5	10.5
VSWR	≤2.0	≤1.5	≤1.5	≤1.7	≤1.5	≤1.5	≤1.5
Nominal Impedance(Ω)	50						
Polarization	Vertical						
Max. Power (W)	50	100	150	500	200	100	100
Length (m)	0.5	2.5	3.9	3.7	3.6	7	3.6
Weight (kg)	0.2	2.5	4.4	4.5	8	20	12
Rated Wind Velocity (m/s)	60						
Connector	N Male	SL16 Female or Customization	N Female or Customization	N Female	UHF or N Female		
Remarks	Fiberglass	Fiberglass	Fiberglass Separated Into Two Parts	Fiberglass	Separated Into Two Parts	Separated Into Four Parts	Separated Into Two Parts

Note:

TQJ-280IA and TQJ-280IIA are made from high strength aluminum-magnesium alloy pipes. They are double layer aluminum pipes, and match with papilionaceous large bracket. Anti-wind capability and corrosion resistance are excellent.

UHF 350MHz



TQJ-350IA



TQJ-350IIA



TQJ-350B
TQJ-350BII-A



TQJ-350BI



TQJ-350C
TQJ-350UQ10-M



TQJ-340Q8

Category	4 Folded Dipole Antenna	8 Folded Dipole Antenna	Omni Antennas					
Model	TQJ-350IA	TQJ-350IIA	TQJ-350B	TQJ-350BI	TQJ-350BII-A	TQJ-350C	TQJ-340Q8	TQJ-350UQ10-M
Frequency (MHz)	330-390	330-400	330-390	300-390	330-400	300-390	320-343/ 330-355/ 340-365	350-400
Bandwidth (MHz)	16		14		10	14	23/25/25	17.4
Gain (dBi)	Omni 9 Directional 12	Omni 12 Directional 15	8.5	7.8	8.5	10.2	8	10.2
Ver. Beam width (°)	13	6.5	14.5	17	14.5	10	16	10
VSWR	≤1.5							
Nominal Impedance(Ω)	50							
Polarization	Vertical							
Max. Power (W)	500	500	100	100	100	100	500	300
Length (m)	3.2	6.0	2.5	1.8	2.5	4.7	3.3	4.7
Weight (kg)	10.0	20.0	2.0	2.0	3.0	4.5	5.5	4.6
Rated Wind Velocity (m/s)	60							
Connector	N Female or Customization	UHF or N Female Separated Into Two Parts	UHF or N Female	UHF or N Female	UHF or N Female	SL16 Female or Customization	7/16 DIN Female	7/16 DIN Female
Remarks	/		Fiberglass	Fiberglass	Fiberglass	Fiberglass Separated Into Two Parts	Fiberglass, High Power	Fiberglass, High Power

UHF 350MHz



TQJ-350AD5

TQJ-350Q8-M

TQJ-350Q10

TQJ-350C10P300

TQJ-350G5P200

TQJ-04TG5F20

TQJ-350XTS1

Category	Omni Antennas						Ceiling Mount Antenna
Model	TQJ-350AD5	TQJ-350Q8-M	TQJ-350Q10	TQJ-350C10P300	TQJ-350G5P200	TQJ-04TG5F20	TQJ-350XTS1
Frequency (MHz)	330-370	350-375/ 372-400	350-366	351-368	372-387	400-450	RX:351-356/ TX:361-366
Bandwidth (MHz)	15	25/28	16	17	15	50	5
Gain (dBi)	5	8	10.5	10.2	5	5	2.15
Ver. Beam width (°)	35	16	7-9	10	36	35	/
VSWR	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5	≤2	≤1.8/≤1.5
Nominal Impedance(Ω)	50						
Polarization	Vertical						
Max. Power (W)	100	500	300	300	200	200	30
Length (m)	1.3	3.2	5.8	5.2	1.2	0.99	Φ0.165×0.094
Weight (kg)	1.5	5.5	13.5	4.9	0.6	0.48	0.25
Rated Wind Velocity (m/s)	60	60	60	60	60	55	/
Connector	N Female	7/16 DIN Female	7/16 DIN Female	7/16 DIN Female	N Female	N Male	N Female or Customization
Remarks	Fiberglass	Fiberglass High Power	Fiberglass High Power	Fiberglass High Power	Fiberglass High Power	Fiberglass High Power	Nut Plate Fixed To Ceiling

UHF 350MHz



TQJ-350G7F40



TQJ-03508G5



TQJ-350AT3



TQJ-350AT06



TQJ-350BF



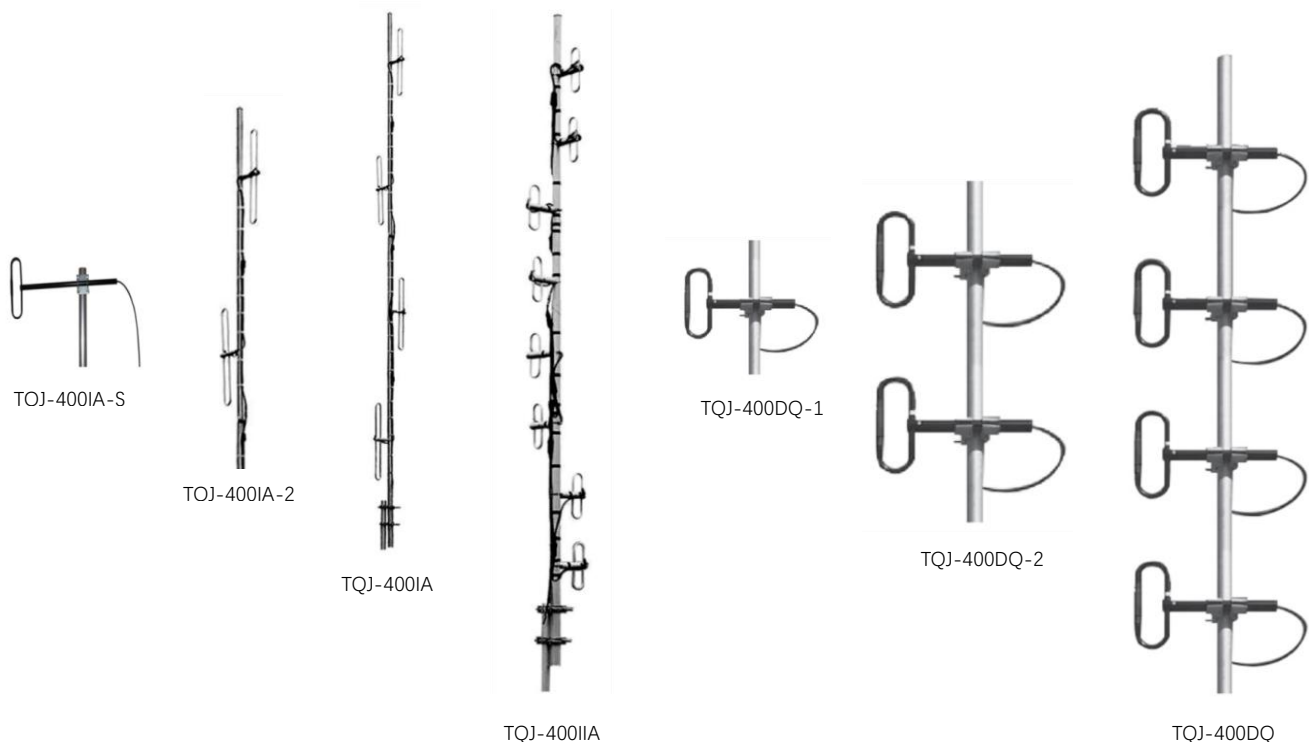
TQJ-350BII



TQJ-350U8-M

Category	Omni Antennas						
Model	TQJ-350G7F40	TQJ-03508G5	TQJ-350AT3	TQJ-350AT06	TQJ-350BF	TQJ-350BII	TQJ-350U8-M
Frequency (MHz)	351-386	350-370/ 806-866	300-390	300-390	300-390	330-400	350-375/ 372-400
Bandwidth (MHz)	35	20/60	10	10	10	14	25/28
Gain (dBi)	7	5	3	3	8.5	8.5	8
Ver. Beam width (°)	18	36	50	50	14.5	14.5	16
VSWR	≤1.5	≤2.0	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5
Nominal Impedance(Ω)	50						
Polarization	Vertical						
Max. Power (W)	300	100	100	100	100	100	500
Length (m)	1.9	2.8	0.6	0.6	2.7	2.5	3.2
Weight (kg)	2.1	3.1	0.4	0.7	2.5	3.2	5.5
Rated Wind Velocity (m/s)	60						
Connector	N Female	N Female	N Male	SL16 Female or Customization	N Female or Customization	N Female or Customization	7/16 DIN-K
Remarks	Fiberglass	Fiberglass	Fiberglass, It can be installed with M110 magnetic mount or pole.	Fiberglass	Fiberglass	Fiberglass	Fiberglass High Power

UHF 400MHz



Category	Single Dipole Antenna	2 Folded Dipole Antenna	4 Folded Dipole Antenna	8 Folded Dipole Antenna	Single Dipole Antenna	2 Folded Dipole Antenna	4 Folded Dipole Antenna
Model	TQJ-400IA-S	TQJ-400IA-2	TQJ-400IA	TQJ-400IIA	TQJ-400DQ-1	TQJ-400DQ-2	TQJ-400DQ
Frequency (MHz)	400-500	380-490	400-480	400-480	380-470	380-470	380-470
Bandwidth (MHz)	40	10	16	16	90	90	90
Gain (dBi)	Omni 2.15 Directional 3.2	Omni 5 Directional 7	Omni 9 Directional 12	Omni 12 Directional 15	3.15-4.65	5.15-8.15	8.15-11.15
Ver. Beam width (°)	60	35	13	6.5	72	35	16
VSWR	≤1.5						
Nominal Impedance(Ω)	50						
Polarization	Vertical or Horizontal	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
Max. Power (W)	100	200	100	100	300	300	300
Dimensions (cm)	68	150	250	465	104	156	273
Weight (kg)	0.72	1.3	8.0	10.6	3.2	7.0	11.5
Rated Wind Velocity (m/s)	60						
Connector	N Female or Customization				N Female or 7/16DIN		
Remarks	Antenna Main Pole & Brackets : Sold Separately. Supporting Mast : Customer-Supplied.						

UHF 400MHz



Category	Ceiling Mount Antenna	Omni Antennas						
Model	TQJ-450XTS1	TQJ-038048G3F20	TQJ-400AD5	TQJ-400AD6-A	TQJ-400C	TQJ-400D	TQJ-400E	TQJ-450Q8
Frequency (MHz)	400-490	380-480	400-470	400-470	400-480	400-480	400-480	445-480
Bandwidth (MHz)	16	100	15	15	16	16	16	35
Gain (dBi)	2	3	5	6	7.8	10.2	8.5	8
Ver. Beam width (°)	/	65	35	35	17	10	14.5	18
VSWR	≤2.0	≤2.0, ≤1.8@400-460	≤1.5					
Nominal Impedance(Ω)	50							
Polarization	Vertical							
Max. Power (W)	50	200	100	100	100	100	100	500
Length (m)	Φ0.165×0.094	0.42	1.2	1.2	1.8	4.0	2.5	2.4
Weight (kg)	0.25	0.22	0.5	1.4	1.6	4.2	2.0	4.5
Rated Wind Velocity (m/s)	/	60						
Connector	N Female	N Male	N Female or Customization	N Female or Customization	N Female or Customization	N Female or Customization	N Female or Customization	N Female
Remarks	Fix with Nut	Fiberglass	Fiberglass	Fiberglass	Fiberglass	Fiberglass Separated Into Two Parts	Fiberglass	Fiberglass

UHF 400MHz



TQJ-400UQ10-M



TQJ-400L7



TQJ-400Q9-M



TQJ-400WQ



TQJ-400W2



TQJ-400TF2



TQJ-490G2

Category	Omni Antennas						
Model	TQJ-400UQ10-M	TQJ-400L7	TQJ-400Q9-M	TQJ-400WQ	TQJ-400W2	TQJ-400TF2	TQJ-490G2
Frequency (MHz)	400-480	450-490	400-425/406-430 425-450/450-475	360-450	390-490	380-450	470-510
Bandwidth (MHz)	25	6	25	90	12	70	40
Gain (dBi)	10.2	6.5	9	3	2.15	2.5	2.5
Ver. Beam width (°)	10	25	13	68	62	55	75
VSWR	≤1.5	≤1.5	≤1.5	≤1.6	≤1.5	≤1.5	≤1.8
Nominal Impedance(Ω)	50						
Polarization	Vertical						
Max. Power (W)	200	100	500	500	100	50	55
Length (m)	4.0	1.8	3.2	1.0	0.5	1.0	0.5
Weight (kg)	4.2	2.0	5.5	2.3	0.3	1.7	0.3
Rated Wind Velocity (m/s)	55	60	60	60	60	60	60
Connector	7/16 DIN Female	UHF Male	7/16 DIN Female	N Female	N Female	N Female	N Female
Remarks	Fiberglass	Fiberglass Separated Into Two Parts	Fiberglass High Power PIM ≤ -150dBc	Fiberglass High Power	Fiberglass	Fiberglass Flange Mount	Fiberglass

UHF 500-600MHz



TQJ-500AT5



TQJ-500C



TQJ-600B



TQJ-600AT6



TQJ-600G3



TQJ-600G5



TQJ-600W5

Category	Fiberglass Antennas						
Model	TQJ-500AT5	TQJ-500C	TQJ-600B	TQJ-600AT6	TQJ-600G3	TQJ-600G5	TQJ-600W5
Frequency (MHz)	500-590	500-600	580-690	600-690	606-678	606-678	606-678
Bandwidth (MHz)	10	16	30	20	72	72	72
Gain (dBi)	5	7.2	8	6	3.5	5	8
Ver. Beam width (°)	28	20	16	28	55	35	35
Hor. Beam width (°)	360	360	360	360	360	360	360
VSWR	≤1.5	≤1.5	≤1.5	≤1.5	≤2.0	≤2.0	≤2.5
Nominal Impedance(Ω)	50						
Polarization	Vertical						
Max. Power (W)	100	100	100	100	50	100	100
Dimensions (cm)	120	180	250	Φ2×88	Φ4×40	Φ2.4×67	Φ3.6×87
Weight (kg)	0.4	1.5	2.5	0.6	0.35	0.22	0.68
Connector	N Female	N Female or Customization	N Female or Customization	N Female	N Male	N Male	UHF Male

UHF 400-800&500-600MHz



TQJ-600AG3



TQJ-600G5F40-A



TQJ-600G7F40



TQJ-600R5



TQJ-0408XTL



TQJ-0408XDC

Category	Fiberglass Antennas				Ceiling mount Antennas	
Model	TQJ-600AG3	TQJ-600G5F40-A	TQJ-600G7F40	TQJ-600R5	TQJ-0408XDC	TQJ-0408XTL
Frequency (MHz)	550-650	585-695	566-626	600-680	470-800	480-820
Bandwidth (MHz)	100	110	60	80	/	300
Gain (dBi)	3	5	7	5	3	2.15
Ver. Beam width (°)	55	35	20	30	55	/
Hor. Beam width (°)	360	360	360	360	360	/
VSWR	≤2.0	≤1.5	≤1.5	≤2.0	≤1.5	≤2.0
Nominal Impedance(Ω)	50					
Polarization	Vertical					
Max. Power (W)	100	100	100	100	100	50
Dimensions (cm)	Φ2.4×30	Φ4.3×107	Φ4.3×180	Φ5.2×159	21.5×6.5×22	16×13.5×0.5
Weight (g)	160	1500	2000	1900	400	100
Connector	N Male	N Female or Customization	N Female	N Female	N Female	N Female or Customization
Remarks	/	/	/	/	Fixed With Nut	/

UHF 700-800MHz



Category	Fiberglass Antennas							
Model	TQJ-700AT3	TQJ-700AG5	TQJ-700A-A	TQJ-700B	TQJ-700C	TQJ-700F5	TQJ-700W6A	TQJ-750R8
Frequency (MHz)	680-790	703-820	690-800	700-800	690-800	690-800	700-790	740-870
Bandwidth (MHz)	20	117	40	60	40	50	90	130
Gain (dBi)	3	5	11	10	8	5	5	8
Ver. Beam width (°)	50	35	10	10.5	16	28	35	15
Hor. Beam width (°)	360	360	360	360	360	360	360	360
VSWR	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5
Nominal Impedance(Ω)	50							
Polarization	Vertical							
Max. Power (W)	100	200	100	100	100	100	100	250
Dimensions (cm)	45	75	330	250	180	60	75	Φ5.2×180
Weight (kg)	0.3	1.2	3.5	2.5	2.0	0.3	1.2	3.0
Connector	N Male or Customization	N Female or Customization	N Female or Customization	N Female or Customization	N Female or Customization	N Female	N Male	N Female or Customization

UHF 800-900MHz



TQJ-800AII-M TQJ-800B-DIN TQJ-800G10 TQJ-800QA TQJ-800W5 TQJ-800W8A TQJ-915AT5

Category	Fiberglass Antennas						
Model	TQJ-800AII-M	TQJ-800B-DIN	TQJ-800G10	TQJ-800QA	TQJ-800W5	TQJ-800W8A	TQJ-915AT5
Frequency (MHz)	806-866 or 820-894	820-880	821-894	806-876	760-870	820-896	902-928
Gain (dBi)	10.5 or 11	10.5	10.5	10.5	5	8	5
Ver. Beam width (°)	7	10.5	7	10.2	35	17	35
Hor. Beam width (°)	360						
VSWR	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5
Nominal Impedance(Ω)	50						
Polarization	Vertical						
Max. Power (W)	250	100	500	100	100	100	100
Dimensions (cm)	Φ6×316	Φ4.5×247	Φ7×320	Φ7×320	Φ3.3×72	130	Φ2×60
Weight (kg)	4	2.1	4.9	5.5	0.8	1.1	0.5
Connector	7/16 DIN Female	7/16 DIN Female	7/16 DIN Female	N Female	N Female	N Female	N Female or Customization
Mast Diameter (mm)	Φ40-50	Φ40-50	Φ80-95	Φ80-95	Φ40-50	Φ40-50	Φ30-50

UHF 800-900MHz



TQJ-900A



TQJ-900B



TQJ-900C



TQJ-900AT3



TQJ-900AT6



TQJ-900W3



TQJ-900W9A

Category	Fiberglass Antennas						
Model	TQJ-900A	TQJ-900B	TQJ-900C	TQJ-900AT3	TQJ-900AT6	TQJ-900W3	TQJ-900W9A
Frequency (MHz)	806-960	806-960	806-960	885-960	902-928	885-960	885-960
Gain (dBi)	12	10	8	3	6	3	9
Ver. Beam width (°)	7	10.5	16	55	28	55	13
Hor. Beam width (°)	360						
VSWR	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5
Nominal Impedance(Ω)	50						
Polarization	Vertical						
Max. Power (W)	100	100	100	100	100	100	100
Dimensions (cm)	318	250	180	30	73	30	165
Weight (kg)	4.9	2.5	2.0	0.3	0.5	0.3	1.2
Connector	N Female or Customization	N Female or Customization	N Female or Customization	N Female	N Female	N Female	N Female
Mast Diameter (mm)	Φ40-50	Φ40-50	Φ40-50	Φ40-50	Φ30-50	Φ40-50	Φ40-50

UHF 800-900MHz



TQJ-900AII



TQJ-900DB1



TQJ-900Q11-M



TQJ-900R6



TQJ-915W8



TQJ-900T3



TQJ-900T5



TQJ-09G11F38

Category	Fiberglass Antennas							
Model	TQJ-900AII	TQJ-900DB1	TQJ-900Q11-M	TQJ-900R6	TQJ-915W8	TQJ-900T3	TQJ-900T5	TQJ-09G11F38
Frequency (MHz)	806-960	806-960	870-960	806-960	900-928	890-960	890-960	890~960
Gain (dBi)	10.5	11	11	6	8	3	5	10
Ver. Beam width (°)	10.2	8	6.5	30	16	75	30	7.2
Hor. Beam width (°)	360							
VSWR	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5	≤2.0	≤2.0	≤1.5
Nominal Impedance(Ω)	50							
Polarization	Vertical							
Max. Power (W)	100	100	300	250	100	100	100	50
Dimensions (cm)	316	340	316	80	120	30	50	279
Weight (kg)	5.3	3.0	4.0	1.5	1.3	0.2	0.3	2.3
Connector	N Female or Customization	N Female	7/16 DIN-Female	N Female	N Female	N Male	N Male	N Female
Remarks	Mast Diameter Φ40-50mm					Matches With M110N Magnetic Mount.		Null fill(dB): ≥20@0~20°/ ≥25@20~40°/ ≥25@40~60°

UHF 1000-1500MHz



TQJ-1000AII



TQJ-1000AT6



TQJ-1200B



TQJ-1500A



TQJ-1500AT



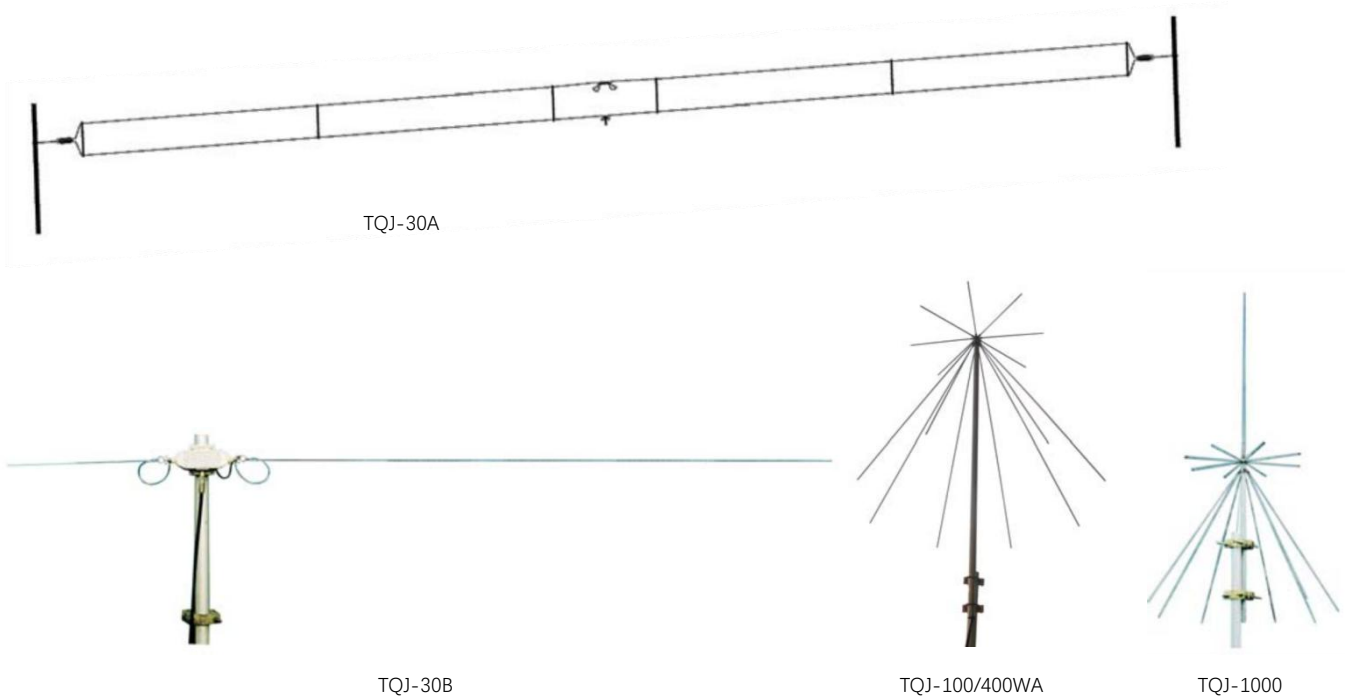
TQJ-1500DB



TQJ-1500W5

Category	Fiberglass Antennas						
Model	TQJ-1000AII	TQJ-1000AT6	TQJ-1200B	TQJ-1500A	TQJ-1500AT	TQJ-1500DB	TQJ-1500W5
Frequency (MHz)	970-1080	1085-1095	1060-1300	1400-1550	1570-1580	1400-1550	1350-1500
Bandwidth (MHz)	70	10	80	40	10	150	150
Gain (dBi)	11	6	8	10	8	11	5
Ver. Beam width (°)	360						
Hor. Beam width (°)	8	25	16	10.5	/	8	30
VSWR	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5
Nominal Impedance(Ω)	50						
Polarization	Vertical						
Max. Power (W)	200	100	100	100	100	100	100
Dimensions (cm)	315	62	180	180	120	190	40
Weight (kg)	3.3	0.3	1.0	1.5	0.7	3.2	0.9
Connector	N Female	N Female	N Female or Customization	N Female or Customization	N Female	N Female or Customization	N Female
Mast Diameter (mm)	Φ40-50	Φ40-50	Φ40-50	Φ40-50	Φ40-50	Φ40-50	Φ35-50

HF/VHF/UHF Broadband Antennas



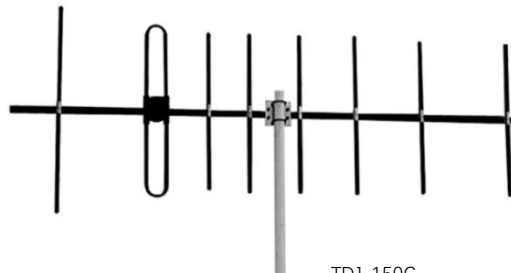
Category	HF Antennas		Ultra Wideband Antennas	
Model	TQJ-30A	TQJ-30B	TQJ-100/400WA	TQJ-1000
Frequency (MHz)	2-30	1.5-30	113-174/225-420	100-1000
Bandwidth (MHz)	Full Band	Full Band	/	900
Gain (dBi)	2.15	2.15	1-2.5	1-3.5
VSWR	≤2.0 (2-18MHz) ≤3.0 (18-30MHz)	≤2.0	2.5	≤2.0
Nominal Impedance(Ω)	50			
Polarization	Horizontal	Horizontal	Vertical	Vertical
Max. Power (W)	150	150	250	150
Dimensions (m)	25	15	Height: 1.4 Max.Diameter: 1.0	Height: 1.8 Max.Diameter:0.9
Weight (kg)	2.5	1.5	4	1
Rated Wind Velocity (m/s)	60	60	/	60
Connector	UHF Female		N Female or Customization	
Remarks	Horizontal Dipole		Discone Antennas	

Directional Antennas

VHF 150MHz



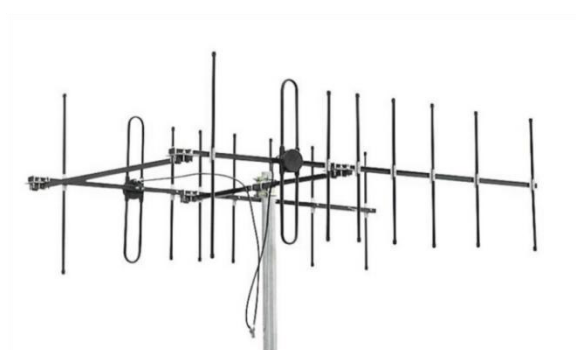
TDJ-150B



TDJ-150C



TDJ-150D



TDJ-150E

Category	Yagi Antennas			
Model	TDJ-150B	TDJ-150C	TDJ-150D	TDJ-150E
Elements	5	8	2 Rows 5 Elements	2 Rows 8 Elements
Frequency (MHz)	134-173			
Bandwidth (MHz)	10			
Gain (dBi)	9.0	11.2	12.0	14.5
Ver. Beam width (°)	48	40	48	40
Hor. Beam width (°)	54	44	28	20
F/B Ratio (dB)	14	16	14	16
VSWR	≤1.5			
Nominal Impedance(Ω)	50			
Polarization	Vertical or Horizontal	Vertical or Horizontal	Vertical	Vertical
Max. Power (W)	100			
Length (m)	1.6	2.2	1.2	2.0
Weight (kg)	1.7	3.2	5	7
Rated Wind Velocity (m/s)	60			
Connector	UHF or N Female			

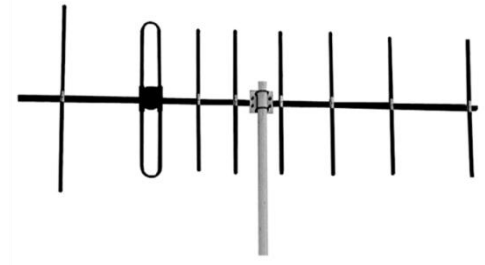
VHF 230&280MHz



TDJ-023Z5



TDJ-230B



TDJ-230C



TDJ-230D



TDJ-230E

Category	Yagi Antennas				
	5 Elements	5 Elements	8 Elements	10 Elements	2 Rows 8 Elements
Model	TDJ-023Z5	TDJ-230B	TDJ-230C	TDJ-230D	TDJ-230E
Frequency (MHz)	223-235	220-290			
Bandwidth (MHz)	12	16	16	16	16
Gain (dBi)	8	9	11.2	12	14
Ver. Beam width (°)	58	48	40	36	40
Hor. Beam width (°)	75	54	44	40	27
F/B Ratio (dB)	14	14	16	18	18
VSWR	≤1.5				
Nominal Impedance(Ω)	50				
Polarization	Vertical	Vertical or Horizontal	Vertical or Horizontal	Vertical	Vertical
Max. Power (W)	50	100	100	100	100
Length (m)	1.0	1.0	1.5	2.0	1.5
Weight (kg)	1.3	2.0	2.8	3.0	6.0
Rated Wind Velocity (m/s)	60				
Connector	SMA Male	N Female or Customization			

UHF 350MHz



TDJ-350BKB



TDJ-350A



TDJ-350B



TDJ-350BFG
TDJ-350BFG-Y



TDJ-350C



TDJ-350F

Category	Panel Antennas			Yagi Antennas			
				8 Elements	12 Elements	15 Elements	2 Rows 15 Elements
Model	TDJ-350BKB	TDJ-350BFG	TDJ-350BFG-Y	TDJ-350A	TDJ-350B	TDJ-350C	TDJ-350F
Frequency (MHz)	330-390	350-370	351-366	330-390	300-390	330-390	330-390
Bandwidth (MHz)	10	20	15	15	16	25	25
Gain (dBi)	5	5	5	11.2	12	13	15.7
Ver. Beam width (°)	120	120	120	40	32	30	30
Hor. Beam width (°)	85	85	85	44	36	30	14
VSWR	≤2.0	≤1.6	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5
Nominal Impedance(Ω)	50						
Polarization	Vertical	Vertical	Vertical	Vertical or Horizontal	Vertical or Horizontal	Vertical or Horizontal	Vertical or Horizontal
Max. Power (W)	50	50	50	100	100	100	100
Length (m)	0.24x0.23x0.05	0.32x0.2x0.07	0.32x0.2x0.07	1.5	1.8	2.0	2.6
Weight (kg)	0.4	0.9	1.0	1.0	1.2	1.4	4.8
Rated Wind Velocity (m/s)	60						
Connector	N Female	N Female	N Female	N Female or Customization	N Female or Customization	N Female or Customization	UHF or N Female
Remarks	Indoor Wall Mount Installation		Outdoor Pole Installation				

UHF 400MHz



TDJ-400A



TDJ-400B



TDJ-400Z5WS



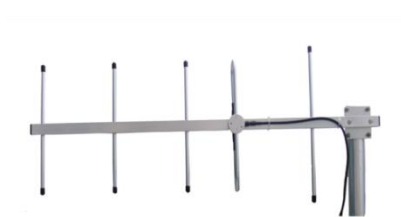
TDJ-400D



TDJ-400E
TDJ-400F

Category	Yagi Antennas					
	8 Elements	12 Elements	5 Elements	2 Rows 5 Elements	2 Rows 12 Elements	2 Rows 15 Elements
Model	TDJ-400A	TDJ-400B	TDJ-400Z5WS	TDJ-400D	TDJ-400E	TDJ-400F
Frequency (MHz)	400-480	400-480	400-490	400-490	400-490	400-480
Bandwidth (MHz)	28	28	20	16	28	28
Gain (dBi)	11.2	12	9	13.8	14.7	15.7
Ver. Beam width (°)	40	32	48	40	32	30
Hor. Beam width (°)	44	36	54	26	20	14
F/B Ratio (dB)	≥16	≥18	≥15	≥18	18	≥18
VSWR	≤1.5					
Nominal Impedance(Ω)	50					
Polarization	Vertical or Horizontal	Vertical or Horizontal	Vertical	Vertical	Vertical	Vertical
Max. Power (W)	100					
Length (m)	1.2	1.5	0.7	1.2	1.5	2.0
Weight (kg)	0.8	1	0.6	2.5	3.4	4.0
Rated Wind Velocity (m/s)	60					
Connector	N Female or Customization					

UHF 400MHz



TDJ-400Z5



TDJ-400Z6



TDJ-400Z8



TDJ-400Z10



TDJ-400Z12

Category	Yagi Antennas				
Elements	5 Elements	6 Elements	8 Elements	10 Elements	12 Elements
Model	TDJ-400Z5	TDJ-400Z6	TDJ-400Z8	TDJ-400Z10	TDJ-400Z12
Frequency (MHz)	400-490	400-480	400-480	400-410	400-450
Bandwidth (MHz)	20	20	20	10	10
Gain (dBi)	9	10	11.2	12	12.5
Ver. Beam width (°)	48	50	40	36	32
Hor. Beam width (°)	54	61	44	40	36
F/B Ratio (dB)	≥15	≥15	≥16	≥16	18
VSWR	≤1.5				
Nominal Impedance(Ω)	50				
Polarization	Vertical or Horizontal				
Max. Power (W)	100				
Length (cm)	72	97	130	174	190
Weight (kg)	0.6	0.8	0.9	1.0	1.9
Rated Wind Velocity (m/s)	60				
Connector	N Female or Customization				

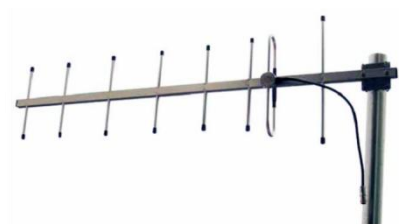
UHF 400MHz



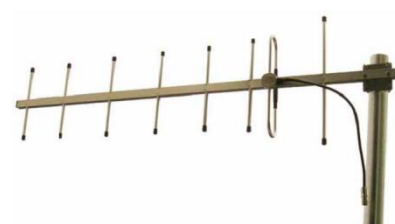
TDJ-450Z5C10A



TDJ-450Z6HB



TDJ-450Z8C15A



TDJ-450Z10



TDJ-450Z12C10A



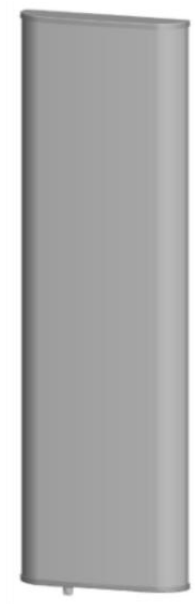
TDJ-450BKB

Category	Yagi Antennas					Wall Mount Antenna
	5 Elements	6 Elements	8 Elements	10 Elements	12 Elements	
Model	TDJ-450Z5C10A	TDJ-450Z6HB	TDJ-450Z8C15A	TDJ-450Z10	TDJ-450Z12C10A	TDJ-450BKB
Frequency (MHz)	450-470					400-490
Bandwidth (MHz)	20	20	20	20	20	20
Gain (dBi)	9	10.5	11.2	12	12.5	6
Ver. Beam width (°)	58	46	40	36	32	120
Hor. Beam width (°)	70	55	44	40	36	85
F/B Ratio (dB)	≥14	≥12	≥15	≥16	18	≥15
VSWR	≤1.5					≤2.0
Nominal Impedance(Ω)	50					
Polarization	Vertical	Vertical	Vertical	Vertical	Vertical or Horizontal	Vertical
Max. Power (W)	100	50	100	100	100	50
Dimensions (cm)	69	77	116	155	170	24×23×5
Weight (g)	1060	1100	1300	1800	1640	1000
Connector	N Female or Customization					N Female
Remarks	Length is Just For Reference Only					Wall Mounting

VHF/UHF 200-400MHz



KBT65DP08-023RT0



KBT65VP12-036RT0-F



KBT90VP08-036RT0-A



KBT65DP08-04RT0

Category	Panel Antennas			
Model	KBT65DP08-023RT0	KBT65VP12-036RT0-F	KBT90VP08-036RT0-A	KBT65DP08-04RT0
Frequency (MHz)	223-235	330-350/350-390	351-366	380-450
Bandwidth (MHz)	12	20/40	15	70
Gain (dBi)	8	11/11.5	7.8	8
Electrical Downtil (°)	0			
Isolation (dB)	≥25	/	/	≥25
Ver. Beam width (°)	66±5	32/28	60	65±5
Hor. Beam width (°)	69±5	72/68	90	69±5
F/B Ratio (dB)	≥18	≥20	≥17	≥20
VSWR	≤1.5			
Nominal Impedance(Ω)	50			
Polarization	±45°	Vertical	Vertical	±45°
Max. Power (W)	200	300	200	200
Dimensions (mm)	860×680×190	1400×450×145	600×320×140	540×500×128
Weight (kg)	16	14	7	5
Connector	2×N Female	N Female	N Female	2×N Female

VHF/UHF 200-400MHz



KBT65DP15-042JS



KBT65VP11-043AT0



KBT65DP14-045AT0



KBT65DP15-045AT0

Category	Panel Antennas			
Model	KBT65DP15-042JS	KBT65VP11-043AT0	KBT65DP14-045AT0	KBT65DP15-045AT0
Frequency (MHz)	380-450/450-500	380-400/400-450/450-500	380-450 /450-500	450-470
Bandwidth (MHz)	70/50	20/50/50	70/50	20
Gain (dBi)	14/14.5	10.8 /11.2/ 11.5	13/13.5	2×15
Electrical Downtil (°)	0			
Isolation (dB)	≥25	/	≥25	≥30
Ver. Beam width (°)	20±2/18±2	34/32/30	28±2/26±2	15
Hor. Beam width (°)	68±5 /65±5	74/72/68	72±5/68±5	65
F/B Ratio (dB)	≥25	≥18/≥20/≥22	≥23	≥25
VSWR	≤1.5			≤1.4
Nominal Impedance(Ω)	50			
Polarization	±45°	Vertical	±45°	±45°
Max. Power (W)	500	500	400	500
Dimensions (mm)	1980×500×128	1050×50×145	1600×450×145	2080×515×100
Weight (kg)	24.3	10	18	22
Connector	2×7/16 DIN Female	N Female	2×7/16 DIN Female	2×7/16 DIN Female

UHF 200-400MHz



KBT65DP15-045AT3-F



KBT65VP15-045AT0



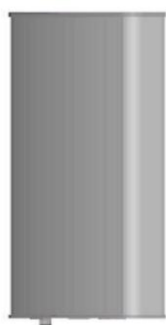
KBT90DP11-04RT0-A



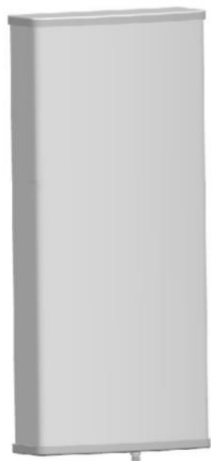
KBT65DP15-03850AE-I

Category	Panel Antennas			
Model	KBT65DP15-045AT3-F	KBT65VP15-045AT0	KBT90DP11-04RT0-A	KBT65DP15-03850AE-I
Frequency (MHz)	380-450/450-500	450-470	380-450	380-450/450-500
Bandwidth (MHz)	70/50	20	70	70/50
Gain (dBi)	14/14.5	14.5	11	14/14.5
Electrical Downtilt (°)	3	0	0	0-14
Isolation (dB)	≥28	/	≥22	≥26
Ver. Beam width (°)	19/17	16	38±3	19.5±1.5/18±1.5
Hor. Beam width (°)	72/68	65	85±3	68±3/65±4
F/B Ratio (dB)	≥25	23	≥15	≥25
VSWR	≤1.5			
Nominal Impedance(Ω)	50			
Polarization	±45°	Vertical	±45°	±45°
Max. Power (W)	500	300	400	200
Dimensions (mm)	2050×450×145	2080×450×145	900×300×146	2050×450×145
Weight (kg)	20	21	10	20
Connector	2×7/16DIN Female	N Female	2×N Female	2×7/16DIN Female

UHF 300-1800MHz



KBT90VP0808-03508RT0



KBT90VP09-0350818RT0-C



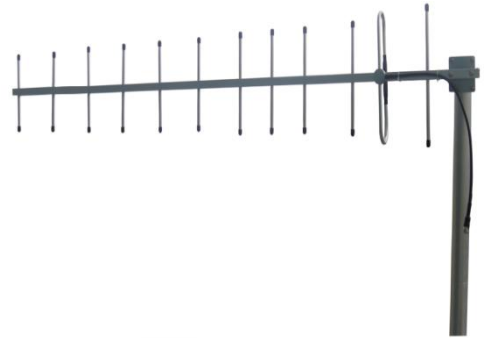
KBT90VP14-0350818RT0-C

Category	Panel Antennas		
Model	KBT90VP0808-03508RT0	KBT90VP09-0350818RT0-C	KBT90VP14-0350818RT0-C
Frequency (MHz)	351-366 /806-866	351-366/806-866/1710-1880	351-366/806-866/1710-1880
Bandwidth (MHz)	15/60	15/60/170	15/60/170
Gain (dBi)	8	8.5	13.5/14/14
Electrical Downtil (°)	0		
Ver. Beam width (°)	3dB: 65/65 6dB: 90/90	60/65/65	18/15/15
Hor. Beam width (°)	3dB: 90/90 6dB: 125/120	90	85
F/B Ratio (dB)	≥18/≥23	≥17≥22≥23	≥17≥22≥23
VSWR	≤2.0	≤1.5	≤1.5
Nominal Impedance(Ω)	50		
Polarization	Vertical		
Max. Power (W)	300/200	300	300
Dimensions (mm)	580×300×146	950×320×140	2200×450×145
Weight (kg)	6	11	23.5
Connector	N Female	N Female	N Female

UHF 400-800MHz



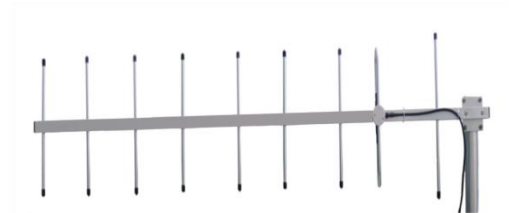
TDJ-0408DS



TDJ-500Z12



TDJ-500Z5



TDJ-500Z9

Category	LPDA Antenna	Yagi Antennas		
		12 Elements	9 Elements	5 Elements
Model	TDJ-0408DS	TDJ-500Z12	TDJ-500Z5	TDJ-500Z9
Frequency (MHz)	400-800	480-590	510-560	480-590
Bandwidth (MHz)	/	30	50	30
Gain (dBi)	11	12	11.5	9
Ver. Beam width (°)	50	36	42	48
Hor. Beam width (°)	65	40	46	54
F/B Ratio (dB)	≥ 22	≥ 18	≥ 14	≥ 15
VSWR	≤ 1.5			
Nominal Impedance(Ω)	50			
Polarization	Vertical			
Max. Power (W)	200	100	100	100
Dimensions (cm)	116×36	146	70	119
Weight (kg)	1.6	1.0	0.6	0.8
Connector	N Female or Customization			
Remarks	Aluminum Alloy	/	Aluminum Alloy	Aluminum Alloy

UHF 400-800MHz



TDJ-600Z5



TDJ-600Z8



TDJ-600Z10



TDJ-700Z7



TDJ-08Z8A
TDJ-0809Z8A

Category	Yagi Antennas					
	5 Elements	8 Elements	10 Elements	7 Elements	8 Elements	8 Elements
Model	TDJ-600Z5	TDJ-600Z8	TDJ-600Z10	TDJ-700Z7	TDJ-08Z8A	TDJ-0809Z8A
Frequency (MHz)	580-690	570-690	580-690	680-800	746-896	806-960
Bandwidth (MHz)	40	30	40	50	150	154
Gain (dBi)	9	11.2	11.6	11	10	10
Ver. Beam width (°)	48	40	36	45	45	45
Hor. Beam width (°)	54	44	40	52	56	56
F/B Ratio (dB)	≥15	≥16	≥18	/	16	16
VSWR	≤1.5	≤1.5	≤1.5	≤1.5	≤1.8	≤1.8
Nominal Impedance(Ω)	50	50	50	50	50	50
Polarization	Vertical or Horizontal	Vertical or Horizontal	Vertical	Vertical or Horizontal	Vertical or Horizontal	Vertical or Horizontal
Max. Power (W)	100	100	100	100	300	300
Dimensions (cm)	60	92	120	80	L:76±5 W:20.1	L:76±5 W:19.5
Weight (g)	480	550	600	650	2300	2270
Connector	N Female or Customization				N Female	
Remarks	Aluminum Alloy				*Each antenna has a rugged, fully welded design to withstand harsh environmental conditions. *Our antennas can be black anodized. Lightning Protection:DC Ground.	

Mobile Antennas

VHF 150MHz



Category	Mobile Antennas						
Model	TQC-150AII	TQC-150S	TQC-150I	TQC-150CI	TQC-150CII	TQC-150DI	TQC-150DII
Frequency (MHz)	134-173						
Bandwidth (MHz)	10	10	8	6	6	6	8
Gain (dBi)	2.15	2.15	3.0	3.5	3.5	3.65	3.65
VSWR	≤1.2 Center Frequency	≤1.5	≤1.5	≤1.5	≤1.2 Center Frequency	≤1.5	≤1.2 Center Frequency
Nominal Impedance(Ω)	50						
Polarization	Vertical						
Max. Power (W)	100	100	50	50	100	100	100
Length (cm)	50	50	96	110	110	130	130
Weight (g)	150	120	160	220	220	220	220
Connector	UHF Male	/	UHF Male	UHF Male	UHF Male	UHF Male	UHF Male
Remarks	Bottom Spring Which Can Prevent Collision. Matches With M90 or M110 Magnetic Mount.	Matches With M80 Stainless Steel Magnetic Mount.	Matches With M110 Large Magnetic Mount.		Bottom Spring Which Can Prevent Collision. Matches With M110 Magnetic Mount.	Matches With M110 Large Magnetic Mount.	Bottom Spring Which Can Prevent Collision. Matches With M110 Magnetic Mount.

VHF 150MHz



TQC-150CK



TQC-150FC
TQC-150FG
TQC-150FCB-W



TQC-150UVD



TQC-150S

Category	Mobile Antennas					
Model	TQC-150CK	TQC-150FC	TQC-150FG	TQC-150FCB-W	TQC-150UVD	TQC-150S
Frequency (MHz)	168-174	150-159	140-170	134-174	134-173	
Bandwidth (MHz)	6	10	10	40	8	10
Gain (dBi)	4.65	2.15	2.15	2.15	3.65	2.15
VSWR	≤1.2 Center Frequency	≤2.5	≤2.5	≤3.0	≤1.2 Center Frequency	≤1.5
Nominal Impedance(Ω)	50					
Polarization	Vertical					
Max. Power (W)	100					
Length (cm)	105	40	40	39	120	50
Weight (g)	200	85	85	75	160	120
Connector	UHF Male	UHF Male	UHF Male	UHF Male	NMO Male	Customization
Remarks	Bottom Spring Which Can Prevent Collision. Matches With M110 Magnetic Mount or CTZ-CK2 Rooftop Mount Bracket.	Matches With M110 Magnetic Mount.	Matches With M90 or M110 Magnetic Mount.	Matches With M90 or M110 Magnetic Mount.	Matches With NMO Magnetic Mount.	Matches With M80 Magnetic Mount.

VHF 150&230&280 MHz



TQX-150A



TQX-150F



TQX-150L



TQX-150S



TQX-150SC



TQC-230CI



TQC-230CII

Category	Terminal Antennas					Mobile Antennas	
Model	TQX-150A	TQX-150F	TQX-150L	TQX-150S	TQX-150SC	TQC-230CI	TQC-230CII
Frequency (MHz)	134-173	134-173	134-173	134-173	156-162	220-290	220-290
Bandwidth (MHz)	6	8	8	8	6	9	9
Gain (dBi)	1.8	1.8	2.0	1.8	1.5	3.5	3.5
VSWR	≤2.0	≤2.0	≤2.0	≤2.0	≤2.5	≤1.5	≤1.5
Nominal Impedance(Ω)	50						
Polarization	Vertical						
Max. Power (W)	30	30	30	30	30	100	50
Length (cm)	13	10	20	12	15	60	60
Weight (g)	45	20	30	50	30	100	300
Connector	BNC or TNC Male	BNC or TNC Male	BNC or TNC Male	SMA Male	SMA Male	UHF Male	UHF Male
Remarks	/	/	/	/	/	Working With M110 Magneticmount, The Connector of Cable Can Be Customized.	

UHF 350MHz



Category	Mobile Antennas								
Model	TQC-350B	TQC-350CII	TQC-350DI	TQC-350DII	TQC-350FC	TQC-350FC-A	TQC-350G5-A	TQC-350FG-W	TQC-350NMO
Frequency (MHz)	330-390	330-390	300-390	330-390	330-390	330-390	350-390 / 360-400	320-400	358-381
Bandwidth (MHz)	15	16	16	10	20	20	40	80	16
Gain (dBi)	3.5	5	5.5	5.5	3.5	3.5	5	3.5	3
VSWR	≤1.5	≤1.35	≤1.5	≤1.2	≤1.5	≤1.5	≤1.8	≤2.5	≤2.5
Nominal Impedance(Ω)	50								
Polarization	Vertical								
Max. Power (W)	100	100	100	100	100	100	100	100	50
Dimensions (cm)	62	95	120	120	39	39	Φ2×90	44	Φ3.6×8.4
Weight (g)	108	118	220	220	85	85	240	75	160
Connector	UHF Male	UHF Male	UHF Male	UHF Male	UHF Male	UHF Male	N Male	UHF Male	NMO Male
Remarks	Matches With M90 Magnetic Mount.	Bottom Spring Which Can Prevent Collision. Matches With M110 Magnetic Mount.	Matches With M110 Magnetic Mount.	Bottom Spring Which Can Prevent Collision. Matches With M110 Magnetic Mount.	Matches With M110 Magnetic Mount.			Bottom Spring Which Can Prevent Collision.Matches With M90 or M110 Magnetic Mount.	Matches With M80-NMO Stainless Steel Small Suction Cup

UHF 350MHz



TQC-350BF



TQC-350FCW1



TQC-350WDBFA



TQC-350WDBF



TQX-350AB

Category	Mobile Antennas				Terminal Antenna
Model	TQC-350BF	TQC-350FCW1	TQC-350WDBFA	TQC-350WDBF	TQX-350AB
Frequency (MHz)	360-400	350-370/ 366-386	358-361	358-361/351-368	330-390
Bandwidth (MHz)	5	20	3	3/17	10
Gain (dBi)	5.5	3.5	2.15	5	5
VSWR	≤1.5	≤1.5	≤1.5	≤1.5	≤2.0
Nominal Impedance(Ω)	50				
Polarization	Vertical				
Max. Power (W)	100	100	50	50	30
Dimensions (mm)	121	Φ20x405/ Φ20x385	56	1210	490
Weight (g)	300	120/110	280	320	74
Connector	UHF Male or N Male	N Male			N Male or BNC Male or TNC Male
Remarks	This Antenna is Only Suitable For The Use of Backpack Equipment	Matches With M110N Big Magnetic Mount or Used With Backpack Equipment	The Antenna is Only Applicable To The Equipment of The Back-up Machine, And The Middle Part of The Antenna is Detachable.	The Antenna is Only Applicable To The Equipment of The Back-up Machine, And The Middle Part of The Antenna is Detachable.	This Antenna is Only Suitable For The Use of Backpack Equipment

UHF 400MHz



Category	Mobile Antennas						
Model	TQC-400BII	TQC-400CII	TQC-400DI	TQC-400DII	TQC-400FC	TQC-400FG	TQC-400FG-W
Frequency (MHz)	400-480	400-480	400-480	400-480	390-510	390-510	400-500
Bandwidth (MHz)	10	10	16	16	20	20	100
Gain (dBi)	3.5	5	5.5	5.5	3.5	3.5	3.5
VSWR	≤1.5	≤1.35	≤1.5	≤1.2(Center Frequency)	≤1.5	≤1.5	≤2.5
Nominal Impedance(Ω)	50						
Polarization	Vertical						
Max. Power (W)	100						
Length (cm)	50	90	100	110	31	31	44
Weight (g)	150	180	220	220	54	54	75
Connector	UHF Male						
Remarks	Bottom Spring Which Can Prevent Collision. Matches With M90 Magnetic Mount.	Bottom Spring Which Can Prevent Collision. Matches With M110 Magnetic Mount.	Matches With M110 Magnetic Mount.	Bottom Spring Which Can Prevent Collision. Matches With M110 Magnetic Mount.	Matches With M110 Magnetic Mount.		Bottom Spring Which Can Prevent Collision. Matches With M90 or M110 Magnetic Mount.

UHF 400MHz



TQC-400S TQC-400SI TQC-400SII TQC-400DIV-B TQC-400DIV-B1 TQC-400DIV-B2 TQC-400FCW1

Category	Mobile Antennas						
Model	TQC-400S	TQC-400SI	TQC-400SII	TQC-400DIV-B	TQC-400DIV-B1	TQC-400DIV-B2	TQC-400FCW1
Frequency (MHz)	400-480	400-480	400-490	400-490	410-430/430-450/450-470		403-423
Bandwidth (MHz)	16	16	16	8	20	20	20
Gain (dBi)	3.2	3.6	5	5.5	5.5	5.5	3.5
VSWR	≤1.5	≤2.0	≤1.5	≤1.5	≤1.6	≤1.6	≤1.5
Nominal Impedance(Ω)	50						
Polarization	Vertical						
Max. Power (W)	100	100	100	100	50	50	50
Length (cm)	30	60	80	100	110	110	35
Weight (g)	120	200	250	250	580	580	120
Connector	M6 Threaded Connection			3/8" NMO	TNC Male	TNC Male	N Male
Remarks	Matches With M80 Magnetic Mount, The Connector of The Cable is Customized.			Matches With Dedicated Mount For 3/8" NMO Connector	/	/	Matches With M110N Big Magnetic Mount or Used With Back-pack Equipment

UHF 400MHz



TQX-400A



TQX-400C



TQX-400F



TQX-400RS



TQX-400FR



TQX-450TNC-UA



TQX-460TNC-U

Category	Terminal Antennas						
Model	TQX-400A	TQX-400C	TQX-400F	TQX-400RS	TQX-400FR	TQX-450TNC-UA	TQX-460TNC-U
Frequency (MHz)	400-480	400-480	400-480	400-480	400-480	430-450/450-470	457-467
Bandwidth (MHz)	16	16	16	16	20	20	10
Gain (dBi)	2.15	2	2	2.15	2.15	4	4
VSWR	≤2.0						
Nominal Impedance(Ω)	50						
Polarization	Vertical						
Max. Power (W)	30						
Length (mm)	200	70	80	175	170	308	303
Weight (g)	30	20	20	30	17	50	52
Connector	BNC or TNC (Matches With TNC Connector, Add T After Model)			SMA Male	SMA Female	TNC Male	TNC Male
Remarks	Whip Shape	/	Whip Shape	Whip Shape	Whip Shape	Whip Shape	Whip Shape

UHF 400MHz



Category	Terminal Antennas					
Model	TQX-450AC	TQX-450UI	TQX- 450UIA	TQX- 450UIB	TQX-460SMA-U	TQX-490RS
Frequency (MHz)	400-480	450-500	450-500	450-500	457-467	470-510
Bandwidth (MHz)	16	20	20	20	10	40
Gain (dBi)	5	2	2	2	4	2
VSWR	≤2.0					
Nominal Impedance(Ω)	50					
Polarization	Vertical					
Max. Power (W)	30	50	50	50	30	30
Length (mm)	368	75	90	82	303	158
Weight (g)	78	50	112	50	50	5
Connector	BNC Male or TNC Male or N Male	SMA Male	SMA Male or Customization		SMA Male	RP- SMA Male
Remarks	Whip Shape	/	/	/	Whip Shape	Whip Shape

UHF 500-600MHz

Category	Terminal Antennas										
Model	Frequency (MHz)	Bandwidth (MHz)	Gain (dBi)	VSWR	Hor. Beam width (°)	Nominal Impedance(Ω)	Polarization	Max. Power (W)	Length (cm)	Weight (g)	Connector
TQX-600AB	580-690	20	5	≤2.0	360	50	Vertical	30	29	40	N Male or B NC Male or TNC Male
TQX-600AT	580-690	25	2.15	≤2.0	360	50	Vertical	30	12	11	BNC Male or TNC Male
TQX-600S	550-690	10	2	≤2.0	360	50	Vertical	30	Φ1.2×7.8	9	SMA Male

UHF 500-600MHz



Category	Mobile Antennas						
Model	TQC-600AI	TQC-600BII	TQC-600DII	TQC-600S	TQC-600FG	TQC-600UA	TQC-600G2
Frequency (MHz)	600-700	580-690	580-690	600-699	600~690	606-678	550-650
Bandwidth (MHz)	16	30	25	16	20	72	100
Gain (dBi)	6	7	5.5	4.5	3.5	5	2
Ver. Beam width (°)	/	/	/	/	/	35	72
Hor. Beam width (°)	360						
VSWR	≤2.0	≤1.5	≤1.5	≤2.0	≤1.5	≤2.0	≤2.5
Nominal Impedance(Ω)	75 or 50	50	50	75	50	50	50
Polarization	Vertical						
Max. Power (W)	100	100	100	50	50	100	100
Dimensions (cm)	43	102	65	105	38	69	25
Weight (kg)	0.07	0.29	0.25	0.03	0.09	0.19	0.11
Connector	UHF Male	UHF Male	UHF Male	/	UHF Male	N Male	N Male

UHF 700-800MHz



TQC-700BII



TQC-700DI



TQC-700S



TQC-700SI



TQC-700FCG



TQX-750AB



TQX-700S

Category	Mobile Antennas					Terminal Antennas	
Model	TQC-700BII	TQC-700DI	TQC-700S	TQC-700SI	TQC-700FCG	TQX-750AB	TQX-700S
Frequency (MHz)	680-790	680-790	700-799	690-800	722-730	690-810	690-790
Bandwidth (MHz)	30	30	16	16	8	40	10
Gain (dBi)	7	5.5	4.5	5.5	3.5	5	2
Hor. Beam width (°)	360						
VSWR	≤1.5	≤1.5	≤2.0	≤1.5	≤1.5	≤1.8	≤2.0
Nominal Impedance(Ω)	50	50	75	50 or 75	50	50	50
Polarization	Vertical						
Max. Power (W)	100	50	50	100	100	50	30
Dimensions (cm)	110	50	10	25	26	21	8
Weight (kg)	0.28	0.25	0.03	0.03	0.08	0.04	0.01
Connector	UHF Male	UHF Male	M6 Threaded Connection		UHF Male	N Male	SMA Male
Remarks	Matches With M110 Magnetic Mount.		Matches With M80 Magnetic Mount.		/		

UHF 800-900MHz



TQC-800BII



TQC-800CI



TQC-800BF



TQX-800L



TQX-800LA



TQX-800LB



TQX-800LC

Category	Mobile Antennas			Terminal Antennas			
Model	TQC-800BII	TQC-800CI	TQC-800BF	TQX-800L	TQX-800LA	TQX-800LB	TQX-800LC
Frequency (MHz)	783-853	824-896	824-894	824-896	824-896	824-896	824-896
Bandwidth (MHz)	70	72	70	72	72	72	72
Gain (dBi)	7	5	5	2	2	2.5	2.15
Ver. Beam width (°)	/	/	35	/	/	/	/
Hor. Beam width (°)	360						
VSWR	≤1.5	≤1.5	≤1.5	≤2.0	≤2.0	≤2.0	≤2.0
Nominal Impedance(Ω)	50						
Polarization	Vertical						
Max. Power (W)	100	50	100	50	50	50	50
Dimensions (cm)	75	30	58	10	20	21	21
Weight (kg)	0.18	0.21	0.31	0.02	0.04	0.04	0.04
Connector	UHF Male	SMA Male	N Male	SMA Type	SMA male	TNC Male or SMA Male	TNC Male or SMA Male or BNC Male

UHF 800-900MHz



Category	Mobile Antennas				Terminal Antennas		
Model	TQC-900AII	TQC-900BII	TQC-900UB	TQC-900S	TQX-900AT	TQX-900LB	TQX-915AE
Frequency (MHz)	806-960	806-960	806-960	890-960	890-960	824-960	902-928
Bandwidth (MHz)	70	70	70	70	70	70	26
Gain (dBi)	5.5	7	7	3.2	2.15	2.5	2.5
Ver. Beam width (°)	/	/	/	/	78	/	/
Hor. Beam width (°)	360						
VSWR	≤1.5	≤1.5	≤1.5	≤1.5	≤2.5	≤2.0	≤2.0
Nominal Impedance(Ω)	50						
Polarization	Vertical						
Max. Power (W)	100	50	100	100	50	50	50
Dimensions (cm)	40	68	68	7	9	21	40
Weight (g)	120	180	14	250	30	42	65
Connector	UHF Male	UHF Male	UHF Male	M6 Threaded Connection	TNC Male	TNC Male or SMA Male	TNC Male
Remarks	Matches With M110 Magnetic Mount.			Matches With M80 Magnetic Mount.	/		

GPS Antennas



TGPS-1500



TGPS-1516G38K20



TGPS-1500/0822x2A



TGPS-1500/0822x2C



TGPS-1500/2600AVx2

Category	GPS Satellite Receiving Antennas		GPS Combined Antennas		
Model	TGPS-1500	TGPS-1516G38K20	TGPS-1500/0822x2A	TGPS-1500/0822x2C	TGPS-1500/2600AVx2
Frequency (MHz)	1575.42±5	1560-1605	GPS: 1575.42±2 824-960/1710-2170	GPS: 1575.42±2 806-960/1710-2170	GPS: 1575±4 2500-2700
Bandwidth (MHz)	10	/	/	/	/
Gain (dBi)	5±0.5	38±2	GPS: 4.5 2	GPS: 4.5 2	WiFi: ≥5 GPS: 5±0.5
VSWR	≤1.5	≤2.0	≤2.5	≤2.5	WiFi: ≤2 GPS: ≤1.5
LNA Gain (dB)	≥28	/	≥25	≥25	≥28
Power Supply DC (V)	3-5	3-6	3-5.5	3-5.5	3-5
Nominal Impedance(Ω)	50				
Polarization	RHCP	RHCP	/	/	RHCP
Dimensions (mm)	49×49×19	Φ95×114	Φ72×22	Φ72×22	Total Height: 435
Weight (g)	115	500±100	148	170	500
Connector	SMA Male or Customization	N Female	SMA Male or Customization	SMA Male or Customization	WiFi: TNC Male GPS: SMA Male
Mounting way	Affixed	Fixed with Screw	Magnetic Mounting or Stick With Twin Adhesive	Fixed With Screw	Fixed With Nut

Passive Device

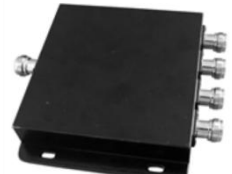
Splitter/Coupler



GFQ-2-0305



GFQ-3-0305



GFQ-4-0305



OHQ-0305

Category	2 Way Splitter	3 Way Splitter	4 Way Splitter
Model	GFQ-2-0305	GFQ-3-0305	GFQ-4-0305
Frequency (MHz)	300-500		
Insertion loss-Including Dividing Loss(dB)	≤3.5	≤5.4	≤6.6
Isolation (dB)	≥20		
VSWR	≤1.4		
Nominal Impedance(Ω)	50		
Max. Power (W)	50		
Connector	N Female		
Temperature Range (°C)	-30~+60		
Relative Humidity (%)	5-95		
Dimensions (mm)	117×83×21	135×83×21	146×138×23
Weight (g)	240	245	570

Category	Directional Coupler				
Model	OHQ-5-0305	OHQ-7-0305	OHQ-10-0305	OHQ-15-0305	OHQ-20-0305
Frequency (MHz)	300-500				
Coupling Level (dB)	5	7	10	15	20
Insertion loss-Including Dividing Loss(dB)	≤2.2	≤2.0	≤1.12	≤0.5	≤0.5
Isolation (dB)	≥20				
VSWR	≤1.4				
Nominal Impedance(Ω)	50				
Max. Power (W)	50				
Connector	N Female				
Temperature Range (°C)	-30~+60				
Relative Humidity (%)	5-95				
Dimensions (mm)	126×34×16				
Weight (g)	210				

Splitter/Coupler



GFQ-2-0309



GFQ-3-0309



GFQ-4-0309



OHQ-0309

Category	2 Way Splitter	3 Way Splitter	4 Way Splitter
Model	GFQ-2-0309	GFQ-3-0309	GFQ-4-0309
Frequency (MHz)	350-370/806-866		
Insertion loss-Including Dividing Loss(dB)	≤3.5	≤5.4	≤6.6
Isolation (dB)	≥20	≥20	≥12 (350-370) ≥15 (806-866)
VSWR	≤1.5		
Nominal Impedance(Ω)	50		
Max. Power (W)	50		
Connector	N Female		
Temperature Range (°C)	-30~+60		
Relative Humidity (%)	5-95		
Dimensions (mm)	115×96×21	115×96×21	115×112×21
Weight (g)	290	310	330

Category	Directional Coupler		
Model	OHQ-6-0309	OHQ-10-0309	OHQ-15-0309
Frequency (MHz)	350-370/806-866		
Coupling Level (dB)	6±1	10±1.5	15±1.5
Insertion loss-Including Dividing Loss(dB)	≤1.8	≤1.0	≤0.5
Isolation (dB)	≥20		
VSWR	≤1.4		
Nominal Impedance(Ω)	50		
Max. Power (W)	50		
Connector	N Female		
Temperature Range (°C)	-30~+60		
Relative Humidity (%)	5-95		
Dimensions (mm)	126×34×16		
Weight (g)	210		

Duplexer/Lightning Protectors

CD-150
CD-150I
CD-230

CD-230A

CD-350
CD-350I
CD-400
CD-400I

Category	Duplexer							
Model	CD-150	CD-150I	CD-230	CD-230A	CD-350	CD-350I	CD-400	CD-400I
Frequency (MHz)	137-174	137-174	200-240	200-240	330-390	330-370	400-480	400-480
Freq.Spacing (MHz)	5.7	5	7	4	10	5	10	5
Insertion Loss (Tx) (dB)	1.2							
Insertion Loss (Rx) (dB)	1.2							
Tx Noise Suppression at Rx Frequency (dB)	≥75	≥75	≥75	≥80	≥75	≥75	≥75	≥75
Rx Noise Suppression at Tx Frequency (dB)	≥75	≥75	≥75	≥80	≥75	≥75	≥75	≥75
VSWR	≤1.5							
Nominal Impedance(Ω)	50							
Max. Power (W)	50							
Dimensions (cm)	220×155×35	220×155×35	205×155×35	195×155×35	230×155×35	230×155×35	230×155×35	230×155×35
Weight (kg)	1							
Connector	N Female or Customization							



BL-23R



BL-23TP



BL-0825



BL-900/1800/0822D-JK



CA-23RS



BL-23RP



BL-23TR



BL-900/1800/0822D-KK



CA-23RP

Category	Lightning protector									
Model	BL-23R	BL-23RP	BL-23TP	BL-23TR	BL-0825	BL-900D-KK(JK)	BL-1800D-KK(JK)	BL-0822D-KK(JK)	CA-23RS	CA-23RP
Connector	N-K/N-K	N-K/N-J	N-J/N-K	N-K/N-K	7/16-M/F	7/16 DIN (KK Type Has DIN-K Connectors On Both Ends,While JK Type Has One J Connector And One K Connector.)			N-K	N-K/N-J
Frequency (MHz)	DC-2500		2000-6000		800-2500	800-960	1710-1880	800-2200	DC-2500	
Peak Power (W)	200		200		200	500	500	500	200	
Discharge Voltage (V)	DC230		DC230		DC230	/	/	/	DC230	
Nominal Impedance(Ω)	50									
Insertion Loss (dB)	≤0.2		≤0.5		≤0.1	0.1	0.1	0.2	0.1	
Dimensions (mm)	79×45×20		65×31×25		77×69×32	94×28×80			74×45×20	
Weight (g)	100		130		330	533			100	

Passive Device Accessories

Magnet Mount/Bracket/Clamp



MG50 Magnetic Mount



MG75 Magnetic Mount



M80 Stainless Steel Magnetic Mount



M80B Stainless Steel Magnetic Mount



M80-NMO Stainless Steel Magnetic Mount



M90 Magnetic Mount



M90N Magnetic Mount



M110 Magnetic Mount



M110N Magnetic Mount



UV-M110-NMO Magnetic Mount



UV-ML110N Magnetic Mount



UV-ML110 Magnetic Mount



UV-M90XZ-N Magnetic Mount



CTZ-400DIV-B GNSS Connector Mount



CTZ-CK1NA Rooftop Mount Bracket



CTZ-WXJB1 Roof Gutter Mount



Clamps (3 stacks/2stacks/1stack)



Clamps 1



Clamps 2



CTZ-1JB Roof Gutter Mount



JM-M12 Clamps



JM-DB Clamps



JM-2400BZ1 Clamps



JM-1800RZ Clamps



JM-2UI

Adaptors



SL16/L16-JJ



SL16/L16-KK



SL16/L16-JK



SL16/L16-KJ



L16-JJ



L16-KK



SL16-KK



SL16-JJ



L16/Q9-JK



SL16/Q9-KJ



N/TNC-JJ



N-TNC-KJ



N/MiniUHF-KJ



UHF/MiniUHF-KJ



N/SMA-KK

Connectors

Picture	Model	Matching Cable
	L16-J5, L16-K5	SYV-50-3 RG-58/U
	L16-J27, L16-K27	SYV-50-5-1 RG-5/U
	L16-J7, L16-K7	SYV-50-7-1 RG-8/U
	L16-J9, L16-K9	SYV-50-9 RG-14/U
	L16-J104, L16-K104	10D-FB
	L16-J12, L16-K12	12D-FB
	SL16-J5, SL16-K5	SYV-50-3 RG-58/U
	SL16-J27, SL16-K27	SYV-50-5-1 RG-5/U
	SL16-J7, SL16-K7	SYV-50-7-1 RG-8/U
	SL16-J9, SL16-K9	SYV-50-9 RG-14/U
	SL16-J104, SL16-K104	10D-FB
	SL16-J12, SL16-K12	12D-FB
	NJ-7/8	7/8" Corrugated Cable

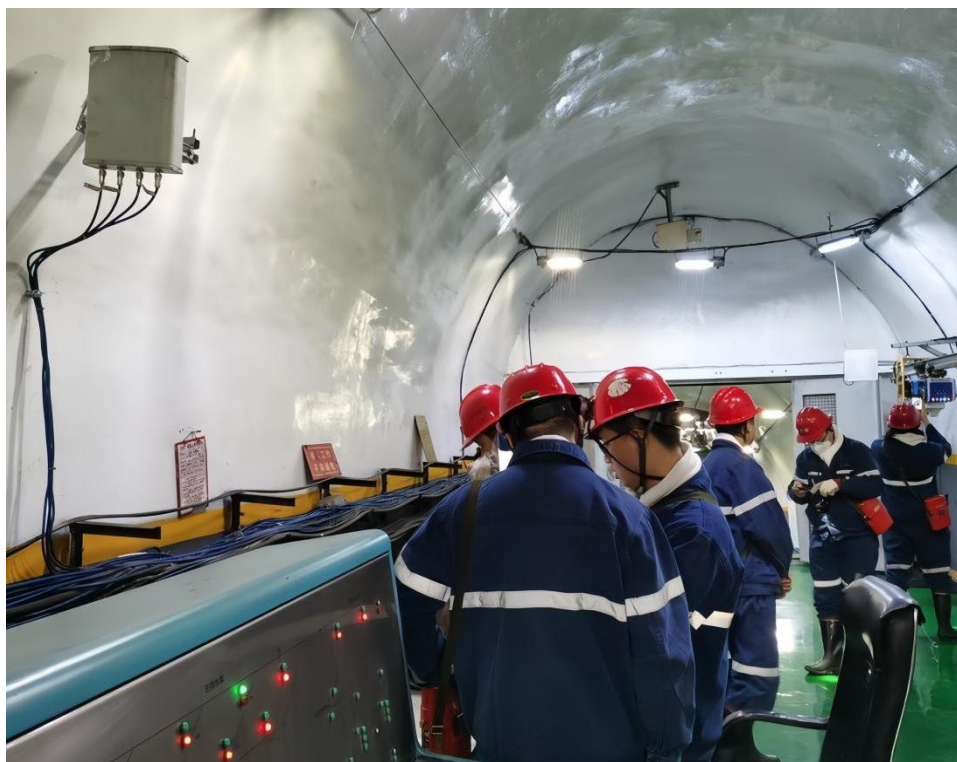
Picture	Model	Matching Cable
	NP-1/2, NJ-1/2	1/2" Corrugated Cable
	MP-10DFB, NP-10DFB	10D-FB
	MP-12DFB, NP-12DFB	12D-FB
	MP-1/2	1/2" Corrugated Cable
	Q9-J5	SYV-50-3 RG-58/U
	Q9-J27	SYV-50-5
	TNC-J5	SYV-50-3 RG-58/U
	TNC-J27	SYV-50-5
	SMA-J3, SMA-K3	SYV-50-2-1
	SMA-J5, SMA-K5	SYV-50-3 RG-58/U
	MiniUHF-J5 (M-C-J5)	SYV-50-3 RG-58/U

Application Cases



KBT Antennas Deployed at Hong Kong-Zhuhai-Macao Bridge





KBT Antennas Deployed at Mining Shaft



KBT Antennas Deployed at Airports



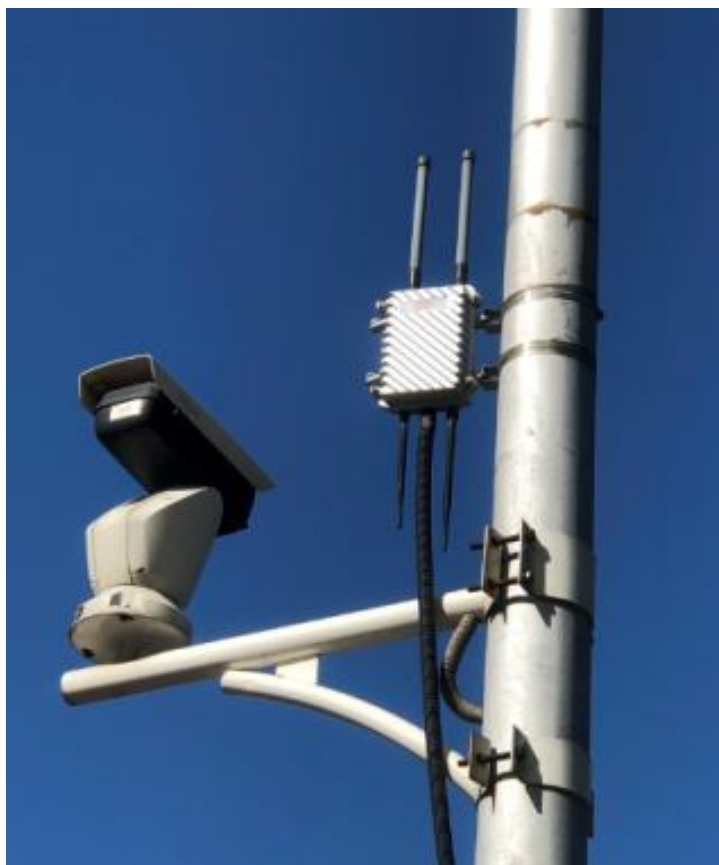
KBT Antennas Deployed at Forest Fire Base Station



KBT Antennas Deployed at UAV Critical Communications



KBT Antennas Deployed at Public Safety



TEL: +86(757)88022860
Email: kbt@kenbotong.com



LinkedIn



Website

