promarine

WIDE-BAND ANTENNAS

ALSO FOR 4G / 5G COMMUNICATIONS

proTAC 5311

proANT 5331

proANT 5340

LEAVE THE SHORE BEHIND
-STAY CONNECTED!

proTAC 5311 - THE BEST 4G/5G CONNECTION

STABLE CONNECTION

Good for critical ERP and VPN systems

ROBUST ALL-WEATHER PROOF

For harsh conditions at sea

FREQUENCY RANGE 600 MHz – 6 GHz

Covers all 2G, 3G, 4G and 5G and WiFi frequencies worldwide

UP TO 7dBi TOTAL NET GAIN - WITHOUT COMPROMISES

Longer range than standard antennas > 35km

UNIQUE RADIATING ELEMENT DESIGN

Made from solid copper, no lossy (resistive) elements

PROVIDES NEARLY 100% RADIATION EFFICIENCY

Huge cost savings in satellite based data

FULLY OMNIDIRECTIONAL HORIZONTAL RADIATION PATTERN

WIDTH 90 MM

HEIGHT 120 MM

WIDTH 140 MM

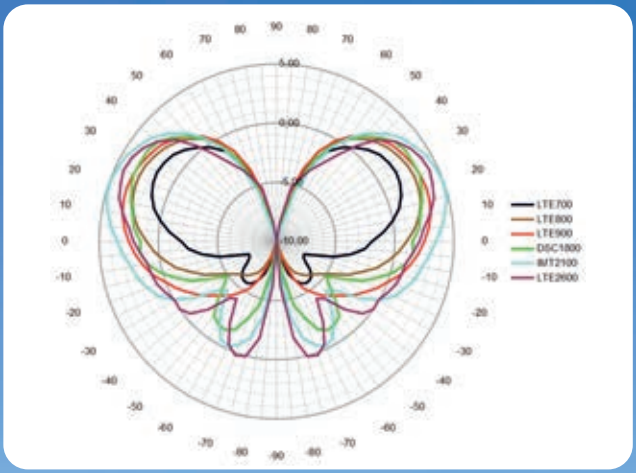
WEIGHT 600 G

DC-GROUNDED

RF POWER 250W

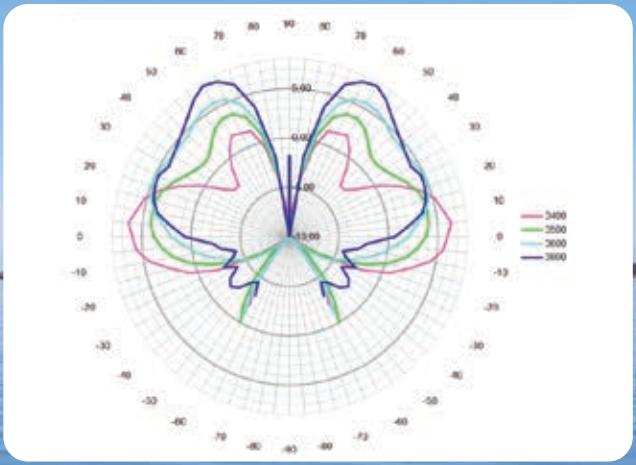
N-TYPE FEMALE CONNECTOR

LIGHTNING AND ESD PROTECTED



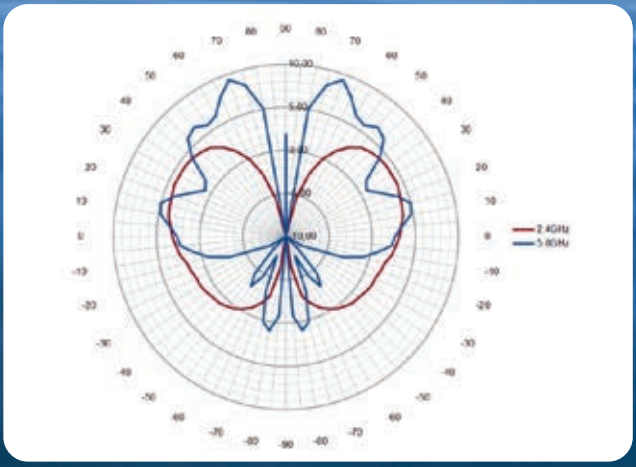
IDEAL VERTICAL RADIATION PATTERN

AT TYPICAL LTE FREQUENCIES MAKING 4G/5G CONNECTION STABLE EVEN AT ROUGH SEAS



VERTICAL RADIATION PATTERN

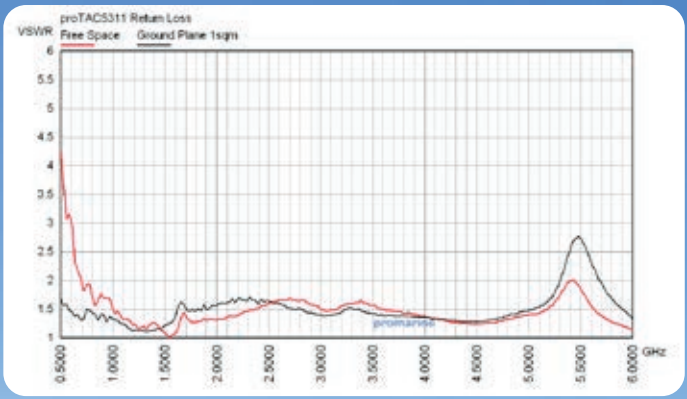
AT 3.5GHz 5G FREQUENCY BAND



VERTICAL RADIATION PATTERN

AT 2.4GHz AND 5.8GHz WIFI BANDS

proTAC 5311 - THE BEST 4G/5G CONNECTION



THE SMALLER THE VSWR

THE BETTER THE ANTENNA IS MATCHED TO THE MODEM AND THE MORE POWER IS DELIVERED TO THE ANTENNA

MIMO TECHNOLOGY USES MULTIPLE ANTENNAS TO ENHANCE WIRELESS LINK QUALITY AND RELIABILITY. IT ENABLES CONCURRENT TRANSMISSION AND RECEPTION OF MULTIPLE DATA SIGNALS OVER THE SAME RADIO CHANNEL, CAPITALIZING ON MULTIPATH PROPAGATION

MULTIPLE VERSIONS OF THE SAME SIGNAL	REDUCES ERROR RATE	STABILIZES THE LINK	IMPROVES PERFORMANCE

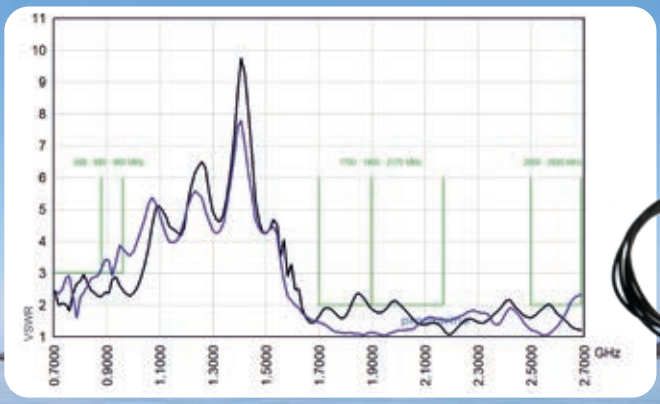
SPACE DIVERSITY UTILIZES ANTENNAS LOCATED IN DIFFERENT POSITIONS TO BENEFIT FROM VARIOUS RADIO PATHS

proANT 5340 - ALL-IN-ONE SOLUTION

COST EFFECTIVE, ALL-IN-ONE SOLUTION FOR ONE 4G ROUTER

2 CROSS-POLARIZED LTE/4G ANTENNAS, 2 DUAL BAND WIFI ANTENNAS (2.4GHz / 5GHz) AND AN ACTIVE GNSS ANTENNA

TAKING ADVANTAGE OF THE REFLECTED SIGNALS AROUND US



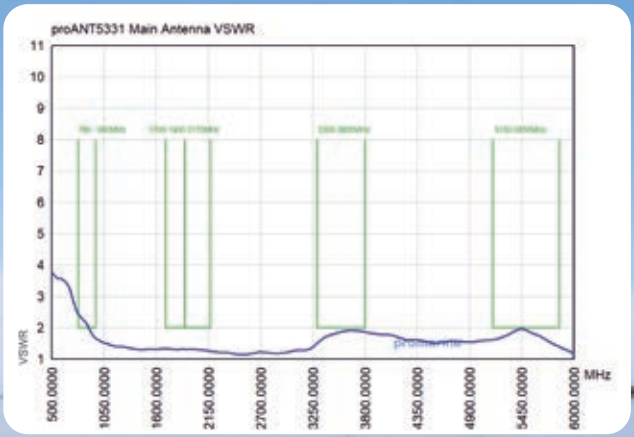
Model:	proANT 5340	**Mounting:** BSP1"-11TPI internal thread antenna mount	
Type:	MIMO antenna omnidirectional	**Environmental:**	indoors, outdoor case IP67 shock proof
Antenna modules		**Frequency**	**Polarization**
LTE1 antenna		698MHz - 960MHz 1.7GHz - 2.7GHz	Vertical polarization
LTE2 antenna		698MHz - 960MHz 1.7GHz - 2.7GHz	Horizontal polarization
WiFi1		2.4GHz - 2.5GHz 5.15GHz - 5.85GHz	Vertical polarization
WiFi2		2.4GHz - 2.5GHz 5.15GHz - 5.85GHz	Vertical polarization
GNSS antenna (+5VDC)		1559-1610MHz	Linear horizontal
Material: ASA plastic radome, ABS base		**Cables:** RG174 cables with SMA-male connectors	
Antenna gain: 1-5dBi		**Size (h*l*w):** Height 148mm, width 93mm Weight 600g	

proANT 5331 - HIGH PERFORMANCE MIMO

HIGH PERFORMANCE MIMO ANTENNA FAMILY

MAIN 4G/5G ANTENNA IS BASED ON THE SAME DESIGN AS OUR LEADING MODEL proTAC5311

UP TO 5 ANTENNAS IN 1
(LTE / WIFI / GNSS)



Model:	proANT 5331* *(check order code for each variant from separate list)*		
Type:	MIMO antenna omnidirectional	**Environmental:**	Indoors, outdoors Case IP56 shock proof
Up to 5 antenna options		**Frequency**	**Polarization**
LTE Main antenna		790-6000MHz	Vertical polarization
LTE AUX antenna		824-2170MHz	Horizontal polarization
WiFi Main antenna *or* LTE AUX antenna		2400/5800MHz *or* 824-2170MHz	Cross-polarized WiFi antennas *or* Horizontal polarization LTE AUX antennas
WiFi AUX antenna *or* LTE AUX antenna		2400/5800MHz *or* 824-2170MHz	
GNSS antenna(+5VDC)		1558-1610MHz	Circular polarization
Material: Plastic cover (ASA) Stainless steel mounting plate		**Mounting:** BSP1"-11TPI internal thread antenna mount	
Primary antenna: Vertical polarization, omnidirectional Antenna gain 0-5dBi		**Size (h*l*w):** 155x140x105mm without mounting thread Height with BSP1"-11TPI mounting thread +42mm	

proANT5331 OPTIONS WITH PIGTAILS AND SMA-FEMALE CONNECTORS

ORDER CODE	ANT5331A	ANT5331AW	ANT5331A1	ANT5331A1W
ANTENNAS	**4G Main** 790-6000MHz	**4G Main** 790-6000MHz	**4G Main** 790-6000MHz	**4G Main** 790-6000MHz
	4G Aux 824-2170MHz	**4G Aux** 824-2170MHz	**4G Aux** 824-2170MHz	**4G Aux** 824-2170MHz
	WiFi 2.4/5.8GHz	**WiFi** 2.4/5.8GHz		
	WiFi 2.4/5.8GHz	**WiFi** 2.4/5.8GHz		
	GNSS 1558-1610MHz	**GNSS** 1558-1610MHz		
CONNECTORS	5 x SMA-female RG316 ~30cm pigtails		2 x SMA-female RG316 ~30cm pigtails	
COLOR	Blue / black bottom	White / black bottom	Blue / black bottom	White / black bottom
MOUNTING	BSP1"-11TPI inner thread			

ORDER CODE	ANT5331A2	ANT5331A2W	ANT5331A3	ANT5331A3W
ANTENNAS	**4G Main** 790-6000MHz	**4G Main** 790-6000MHz	**4G Main** 790-6000MHz	**4G Main** 790-6000MHz
	4G Aux 824-2170MHz	**4G Aux** 824-2170MHz	**4G Aux** 824-2170MHz	**4G Aux** 824-2170MHz
	WiFi 2.4/5.8GHz	**WiFi** 2.4/5.8GHz	**GNSS** 1558-1610MHz	**GNSS** 1558-1610MHz
	WiFi 2.4/5.8GHz	**WiFi** 2.4/5.8GHz		
CONNECTORS	4 x SMA-female RG316 ~30cm pigtails		3 x SMA-female RG316 ~30cm pigtails	
COLOR	Blue / black bottom	White / black bottom	Blue / black bottom	White / black bottom
MOUNTING	BSP1"-11TPI inner thread			

ORDER CODE	ANT5331A4	ANT5331A4W
ANTENNAS	**4G Main** 790-6000MHz	**4G Main** 790-6000MHz
	4G Aux 824-2170MHz	**4G Aux** 824-2170MHz
	4G Aux 824-2170MHz	**4G Aux** 824-2170MHz
	4G Aux 824-2170MHz	**4G Aux** 824-2170MHz
CONNECTORS	4 x SMA-female RG316 ~30cm pigtails	
COLOR	Blue / black bottom	White / black bottom
MOUNTING	BSP1"-11TPI inner thread	

proANT5331 OPTIONS WITH N-FEMALE CONNECTORS

ORDER CODE	ANT5331B1	ANT5331B1W
ANTENNAS	**4G Main** 790-6000MHz	**4G Main** 790-6000MHz
	4G Aux 824-2170MHz	**4G Aux** 824-2170MHz
CONNECTORS	2 x N-female	
COLOR	Blue / black bottom	White / black bottom
MOUNTING	BSP1"-11TPI inner thread	

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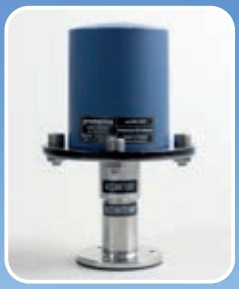
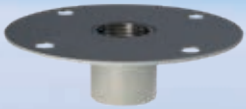
MOUNTING OPTIONS

HORIZONTAL / VERTICAL POLE



DECK MOUNT



ACCANT 1001
MOUNT ADAPTOR

ACCANT 1002
BSP1” -11 TPI to 1” -14TPI
MOUNT ADAPTOR

ACCANT1003 HORIZONTAL /
VERTICAL POLE OR WALL MOUNT

ACCANT1012 HORIZONTAL
proTAC ANTENNA MOUNT

Le spécialiste des équipements électroniques

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