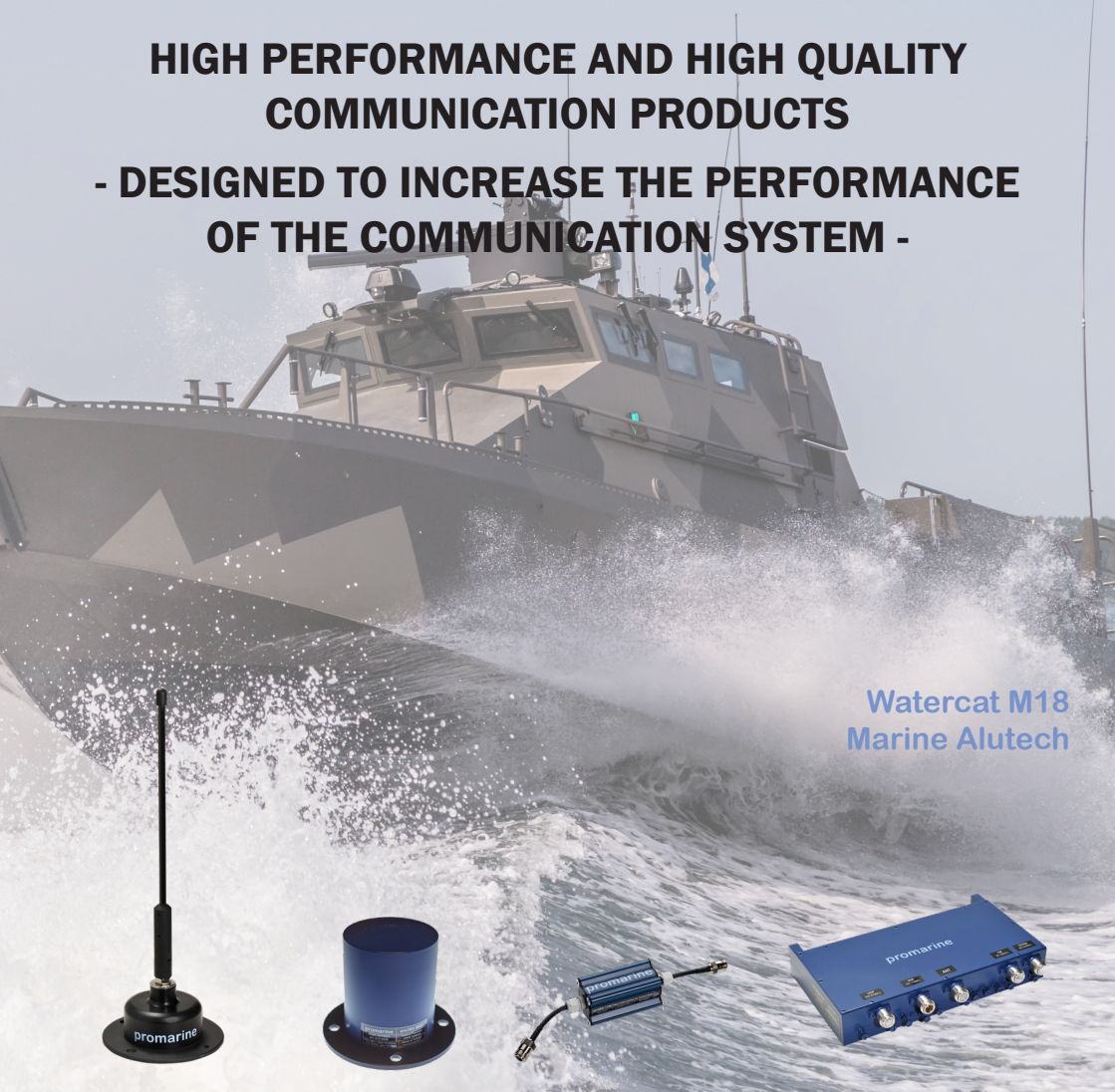


promarine

TACTICAL COMMUNICATION SOLUTIONS

HIGH PERFORMANCE AND HIGH QUALITY COMMUNICATION PRODUCTS

- DESIGNED TO INCREASE THE PERFORMANCE OF THE COMMUNICATION SYSTEM -



Watercat M18
Marine Alutech

proANT™ proTAC™ proD5™ proISO™ proFIL™ proGPS™ proMTX™

HIGH EFFICIENCY WIDEBAND ANTENNAS

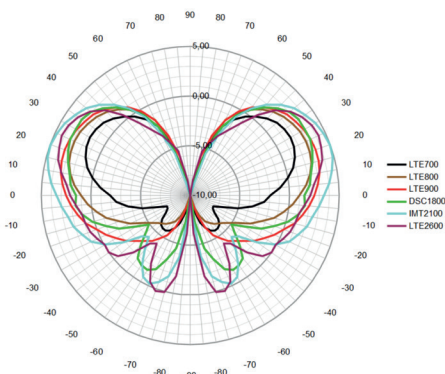
THE **proTAC™** ANTENNAS ARE CAREFULLY CRAFTED FOR BOTH COMMERCIAL AND MILITARY APPLICATIONS, OFFERING A SEAMLESS INTEGRATION OF MULTIPLE COMMUNICATION SYSTEMS WHILE MAINTAINING OPTIMAL PERFORMANCE.

WIDEBAND ANTENNAS FOR TACTICAL RADIOS

PRODUCT NAME	PRODUCT	FREQUENCY
proTAC5020	WIDEBAND AIR AND MARINE VHF COMMUNICATIONS ANTENNA	118-170MHz
proTAC5150 series	VHF / UHF DUAL BAND ANTENNA	154-162MHz / 380-400MHz depending on the model
proTAC5401	MARINE 4-BAND WHIP ANTENNA FM/VHF/TETRA/UHF	88-108MHz / 150-170MHz / 380-420MHz / 450-470MHz
proTAC5220	NATO 1 BAND MARINE ANTENNA	225-400MHz
proTAC5222	STACKED DUAL ELEMENT NATO 1 BAND MARINE ANTENNA	225-400MHz + 225-400MHz
proTAC5311	WIDEBAND 4G/5G ANTENNA NSN: 5985-58-001-8420	600MHz-6GHz
proTAC5315	WIDEBAND LTE AND TETRA ANTENNA NSN: 5985-58-001-9835	380MHz-3GHz

GALVANIC COAXIAL LINE ISOLATORS

proISO1001	GALVANIC COAXIAL LINE ISOLATOR FOR VHF ANTENNAS	100MHz-1GHz
proISO1010M	HIGH FREQUENCY GALVANIC COAXIAL LINE ISOLATOR GDT SURGE ARRESTER AND GROUNDING	450MHz-2.7GHz
proISO1050	HIGH POWER GALVANIC COAXIAL LINE ISOLATOR 500OHM	1MHz-110MHz
proISO1150	HIGH POWER GALVANIC COAXIAL LINE ISOLATOR 500OHM GDT SURGE ARRESTER AND GROUNDING	28MHz-512MHz



proTAC5311 VERTICAL RADIATION PATTERN

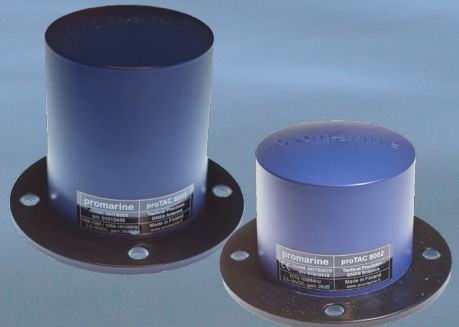
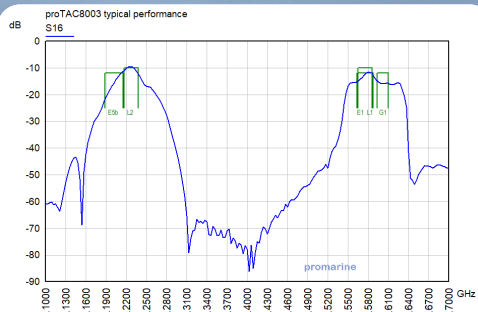
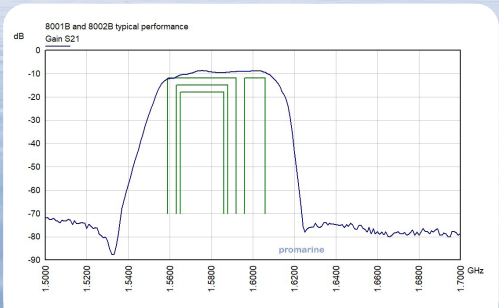
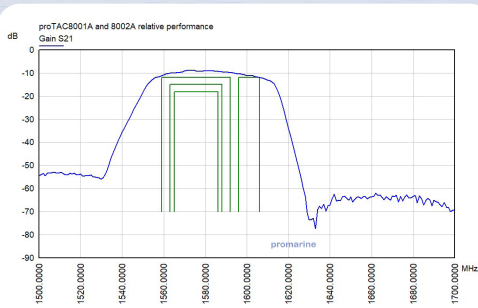
AT TYPICAL LTE FREQUENCIES MAKING 4G/5G CONNECTION STABLE EVEN AT ROUGH CONDITIONS

INTERFERENCE PROOF GNSS SOLUTIONS

THE proTAC8000™ SERIES ACTIVE ANTENNAS, proGPS™ SPLITTERS AND GNSS RECEIVERS DELIVER PRECISE, INTERFERENCE-FREE POSITIONING AND TIMING. WITH ADVANCED FILTERING, GALVANIC ISOLATION, AND ROBUST PROTECTION AGAINST JAMMING AND SPOOFING, THEY ENSURE RELIABLE AND UNINTERRUPTED OPERATION IN ANY ENVIRONMENT.

GNSS ANTENNAS

PRODUCT NAME	PRODUCT	FREQUENCY
proTAC8001A	INTERFERENCE PROOF GNSS ANTENNA, DC-GROUNDED	GPS L1 GLONASS G1 Galileo E1 BeiDou B1
proTAC8001B	INTERFERENCE PROOF GNSS ANTENNA, DOUBLE FILTER, DC-GROUNDED NSN: 5985-58-002-0318	
proTAC8002A	INTERFERENCE PROOF GNSS ANTENNA, ISOLATED FROM GROUND	
proTAC8002B	INTERFERENCE PROOF GNSS ANTENNA, DOUBLE FILTER, ISOLATED FROM GROUND NSN: 5985-58-002-0317	
proTAC8003	INTERFERENCE PROOF L1+L2 GNSS ANTENNA, DOUBLE FILTER, DC-GROUNDED NSN: 5985-58-002-0316	GPS L1/L2 GLONASS G1/G2/G3 Galileo E1/E5b BeiDou B1/B2



GNSS SIGNAL SPLITTERS

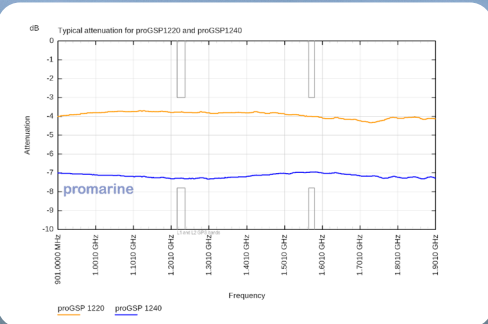
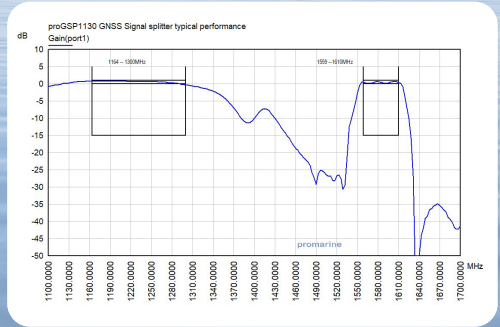
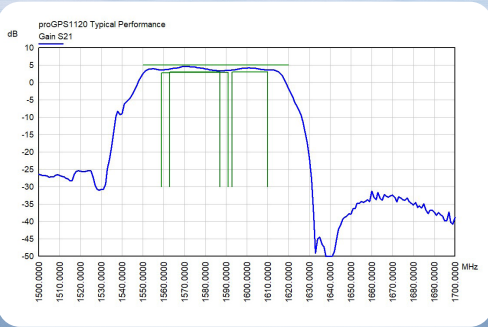
proGPS1120	PROFESSIONAL GPS/GALILEO/GLONASS SIGNAL SPLITTER 4-WAY NSN: 5895-58-002-0206	L1, G1, E1, B1
proGPS1130	PROFESSIONAL DUAL BAND GPS/GALILEO/GLONASS SIGNAL SPLITTER 4-WAY NSN: 5895-58-002-0172	L1/L2, G1/G2/G3, E1/E5b, B1/B2
proGPS1200	PASSIVE 4-WAY SIGNAL SPLITTER, TNC-CONNECTORS	1100-1650MHZ
proGPS1220	PASSIVE 2-WAY SIGNAL SPLITTER, N-CONNECTORS	1100-1650MHZ
proGPS1240	PASSIVE 4-WAY SIGNAL SPLITTER, N-CONNECTORS	1100-1650MHZ

GNSS RECEIVERS AND SITUATIONAL AWARENESS PLATFORMS

proGPS2002	INTERFERENCE PROOF MULTI-BAND GNSS RECEIVER WITH 1PPS TIMING OUTPUT AND GALILEO OSNMA SUPPORT	GPS & QZSS L1C/A /L2C/L5 Galileo E1-B/C/E5a/E5b BeiDou B1I/B1C/B2I/B2a SPS-NavIC L5
proGPS3100	INTELLIGENT MULTI-BAND GNSS MONITORING AND SITUATIONAL AWARENESS PLATFORM FOR RELIABLE PNT INFORMATION WITH SUPPORT FOR JAMMING & SPOOFING THREAT LEVEL VISUALIZATION AND GALILEO OSNMA AUTHENTICATION SERVICE	

GNSS ANTENNA COMBINERS

proFIL1326	dGPS AND GNSS ANTENNA COMBINER	150-400kHz / 1160-1610MHz
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SOLUTIONS TO MITIGATE CO-SITE INTERFERENCE

THE GROWING NEED FOR COMMUNICATION ON PHYSICALLY SMALL PLATFORMS CAN CAUSE SEVERE CO-SITE INTERFERENCE. THE INNOVATIVE **promarine** PRODUCT RANGE, INCLUDING **proFIL™**, **proTAC™** AND **proISO™** PRODUCTS, REDUCES THE NUMBER OF ANTENNAS NEEDED, IMPROVES OVERALL COMMUNICATION PERFORMANCE AND RELIABILITY, AND PREVENTS CURRENT LOOPS AND EMI.

ANTENNA COMBINERS FOR TACTICAL RADIOS AND WIDEBAND ANTENNAS

PRODUCT NAME	PRODUCT	FREQUENCY
proFIL4120	TACTICAL VHF AND TACTICAL UHF ANTENNA COMBINER	30-80MHz / 100-512MHz
proFIL4211	VHF AND TACTICAL UHF ANTENNA COMBINER	30-170MHz / 225-512MHz
proFIL4401	QUADRUPLER FILTER FM/VHF/TETRA/UHF	88-108MHz / 155-170MHz / 380-420MHz / 450-470MHz
proFIL5230	DIPLEXER TETRA / LTE FILTER NSN: 5895-58-001-9813	300-470MHz / 690-2700MHz



ACTIVE ANTENNA SPLITTERS FOR RECEIVER USE

proFIL1340	4-WAY ACTIVE AMPLIFIED ANTENNA SPLITTER	0.1-50MHz
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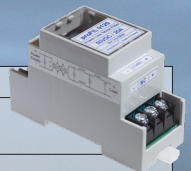


POWER DIVIDERS

proFIL1350	PASSIVE 2-WAY ANTENNA COMBINER 100W	30-108MHz
proFIL1354	PASSIVE 2-WAY ANTENNA COMBINER 50W	225-400MHz

EMI AND CO-SITE FILTERS

proFIL0120	DC POWER LINE EMI FILTER 50VDC / 20A	<100MHz
proFIL0121	POWER LINE NOISE FILTER 50VDC / 13A DEUTSCH DT04-2P-CONNECTORS	<100MHz
proFIL2002	BAND PASS FILTER FOR HF RADIOS	2-30MHz
proFIL2012	LOW PASS FILTER FOR TACTICAL VHF RADIOS >50W	0.1-88MHz
proFIL3020	BAND PASS FILTER FOR MARINE VHF RADIOS	140-180MHz
proFIL3040	BAND PASS FILTER FOR NATO 1 BAND	225-400MHz
proFIL3240	DUAL BAND PASS FILTER FOR VHF / UHF	30-88MHz / 225-400MHz



promarine

proMTX™ ANTENNA SWITCH MATRICES

FOR QUICKLY CHANGING CONNECTED ANTENNAS TO A SPARE OR BETTER-PERFORMING ONE, **proMTX™** SERIES REMOTELY CONTROLLABLE ANTENNA SWITCH MATRICES OFFER AN IDEAL, INTEGRATED, AND USER-FRIENDLY SOLUTION.



ANTENNA SWITCH MATRICES

PRODUCT NAME	PRODUCT
proMTX10	4-PORT ANTENNA CROSSOVER SWITCH FOR 2 RADIOS AND 2 ANTENNAS WITH ELECTRICAL CONTROL, 2GHz 240W
proMTX440	4x4 ANTENNA SWITCH MATRIX WITH LOCAL HMI AND REMOTE ETHERNET CONTROL, 2GHz 240W
proMTX441	4x4 ANTENNA SWITCH MATRIX WITH LOCAL HMI, REMOTE ETHERNET CONTROL AND WITH FAILSAFE MODE, 2GHz 240W
proMTX480	4x8 ANTENNA SWITCH MATRIX WITH LOCAL HMI AND REMOTE ETHERNET CONTROL, 2GHz 240W
proMTX16R8	16X8 NON-BLOCKING RECEIVE MATRIX ALLOWING EACH OF ITS 16 OUTPUTS TO LISTEN ANY OF THE 8 SINGLE ANTENNAS. REMOTE ETHERNET CONTROL. 20MHz -6GHz.TBR Q2/2026



EVERY **promarine** PRODUCT IS PROUDLY MANUFACTURED IN FINLAND

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06.11.2025

We reserve the right to make changes.