



**CREOWAVE**  
SOLUTIONS FOR EXTREMES

# TETRA REPEATER CWR 450 TO 2



# CWR 450 TO 2 Specification

Frequency Band	450–455 MHz / 460–465 MHz
Maximum RF Output Power	+17 dBm (with 1 carrier) +14 dBm (with 2 carriers) +11 dBm (with 4 carriers) +8 dBm (with 8 carriers)
Adjacent Channel Power max.	-36 dBm
Output Power Adjustment Range	40 dB, step 0.5 dB
Automatic Level Control Range	40 dB
Gain max.	70 dB
Gain Adjustment Range	30 dB, step 0.5 dB
Gain Ripple (over frequency band)	±1 dB
Gain Accuracy (over temp. range)	±1 dB
Maximum Operational RF Input Power	-15 dBm
Maximum RF Input Power Without Damage	+15 dBm
VSWR (50 Ω)	1.5 max.
Power Supply	90–264 VAC adapter
Power Consumption	< 40 W
Indicator LED	Green light for normal operation Orange light for RF OFF mode Red light for alarm condition
Controls (PC or NMS)	RF On/Off Maximum RF Output Power RF Gain
Alarms	
<ul style="list-style-type: none"> <li>• Any failure</li> <li>• PSU failure</li> <li>• RF failure</li> <li>• Temperature</li> </ul>	<ul style="list-style-type: none"> <li>HW relay alarm</li> <li>PC or NMS alarm</li> <li>PC or NMS alarm</li> <li>PC or NMS alarm</li> </ul>
Connectors	
<ul style="list-style-type: none"> <li>• 90–264 VAC adapter</li> <li>• RF</li> <li>• Control</li> </ul>	<ul style="list-style-type: none"> <li>IEC</li> <li>2 x N (f)</li> <li>4 x RJ45 Ethernet</li> </ul>
Mechanical Dimensions	380 x 380 x 210 mm (W x H x D)
Weight	20 kg
Operational Temperature Range	-40...+45°C (+65 °C upon request)
Operational Environment	Outdoor IP66
Options	Integrated GSM Modem Network Management SW (NMS) External Battery Backup Units

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