

Maven Digital Repeater EMEA-APAC

TOR Medium Power Onboard Repeater

Data sheet version 2.5

1.

Digital Platform

Supporting all cellular bands
including EGSM-R

2.

Future-proof

Including support for 5G NR

3.

Sustainable

Minimizes power consumption
in mobile phones



Maven Wireless offers cutting-edge, end-to-end digital solutions for global wireless coverage. Our products are future-proof, highly efficient, and cost-effective. We're committed to sustainability and passionate about improving lives by ensuring 100% reliable wireless coverage, anywhere in the world.

Product specification

TOR

General

Mains power	24 – 110 VDC versions available
Power consumption	280 W typical fully loaded
Management	Ethernet 10/100/1000, micro USB, USB accessory connector
Remote access	Optional 4G modem
Operating temperature	-20 to +55 °C
Ingress protection	IP21
RF interface	Up to 4 bands in one enclosure
Antenna port	4.3-10 or N optional
System Gain	50 to 80 dB in 0.1 dB steps
Gain flatness	Typical 1 dB pp
Noise figure	< 3 dB at max gain
Delay	typical 3.3 us
Noise figure	3 dB typical at max gain

RF Parameters

DL Output power	+20 dBm per band	
UL Output power	700: +30dBm ¹ , 800: +30dBm ; 900: +29dBm ; 1800,2100,2600: +28dBm/band	
RF Input range	+17 dBm, non destructive	
Frequencies²	Uplink (MHz)	Downlink (MHz)
	703 – 733	758 – 788
	832 – 862	791 – 821
	880 – 915	925 – 960
	1710 – 1785	1805 – 1880
	1920 – 1980	2110 – 2170
	2500 – 2570	2620 – 2690

Mechanical

Dimensions (height, width, depth)	4u x 19" x 310 mm
Weight	Max 20 kg

Standard & Approvals

EMC & safety	EN 50155
EMC directive 2004/108/EC	EN 62368-1
Low voltage directive 73/23/EEC	EN 45545
R&TTE directive 1999/5/EC	

¹ Preliminary specified power

² Various frequency combinations in the same enclosure are available. Contact Maven Wireless for more information. Note: All parameters are subject to change.