



Simplex Tower Mount Amplifier (1800 MHz)

[Model No: AVTA - 1800 – RX]

SPECIFICATIONS:

Pass band Rx (Uplink)	:	1710-1785 MHz
Pass band Tx (Downlink)	:	1805-1880 MHz
Bandwidth Rx	:	Full-band
Input & Output Impedance	:	50 Ohms
Noise Figure typical mid band	:	1.7 dB
Rx Gain	:	12 dB min
Gain variation (Uplink)	:	+/-0.5 dB
Bypass insertion loss mid band	:	1.5 dB Typ
Insertion loss Tx typical mid band	:	0.5 dB
Insertion loss Tx band-edge	:	0.8 dB
Return Loss, all ports	:	15 dB min
Return loss, all ports, LNA bypass	:	12 dB min
Input compression point P1	:	+0 dBm min
Input intercept (IIP3)	:	+14 dBm min
Input power with no damage, Rx band	:	< +5 dBm

Intermodulation:

IMD at ANT. Port in Rx band (2 X 43 dBm in Tx band at BTS port)	:	-116 dBm
Continuous average power	:	160W max
DC supply voltage	:	+12 Vdc
DC Power Supply (standard)	:	via BTS-RF cable
Body Temperature Range	:	-0°C to +55°C
Environmental Rating	:	Ip65
RF Connectors	:	N(F)/ 7/16 DIN(F)
Mounting	:	Pole & Wall

Manufactured By :

Avantel Softech Limited

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