



T2020II

Technical Specifications

MODEL	000	100	200	300	400	500	600	700	800	900
Freq range	500-530	220-270	66-88	136-174	175-225	400-470	450-520	330-360	800-870	360-400
Number of Channels	100									
Supply Voltage, Nominal	13.8 Volts DC - Negative Ground									
Supply Voltage, Range	10.8 to 16 Volts DC									
Reverse Polarity Protection	Internal Crowbar Diode									
Channel Spacing (Khz)	12.5 (NB) / 20 (MB) / 25 (WB)									
Bandwidth (Khz)	7.5 (NB) / 12 (MB) / 15 (WB)									
Current consumption (mA) (Rx)	472 (<350 in economy mode)									
Current Consumption (A) (Full Audio)	1.2									
Transmitter (A)	6.0 (200/300/400/800)		6.8 (100/500/700/900)			7.0 (600)		7.5 (000)		
Antenna Impedance	50 Ohm									
Operating Temp Range (°C)	-30 to +60									
Size (mm)	Radio Unit: 150 x 150 x 45 (L x W x H)									
Weight (Kg)	1.2									
RECEIVER										
Measurements as per	European ETS 300-086									
Type	Dual Conversion (-200) / Triple conversion (The rest)									
Intermediate Frequencies	10.7,455 (200) / 27.7,10.7,455 (100/ 300/400) / 49.1,10.7,455 (500/600/700/900/000) / 69.1,10.7,455 (800)									
Sensitivity 12dB SINAD (dBm)	Better than - 117dBm									
Sensitivity 20dB SINAD (dBm) (Psoph)	Better than - 113dBm									
Signal to Noise	45dB(NB) 48dB(MB) 50db(WB) / 45dB (WB) (-800)									
Selectivity (dB)	70									
Spurious Response (dB)	70 (80 EIA) / 60 (-000) / 70 (75 EIA) (-800)									
Intermodulation (dB)	66 (75 EIA)									
Distortion	<5% @ Rated Audio Power into 4Ω @ 1KHz									
Audio Output (Maximum)	4 Watts at less than 5% distortion									
TRANSMITTER										
Measurements as per	European ETS 300-086									
Power Output (W) (High Power)	25 (100-700) 22.5 (000) 15 (800)									
Spurious Emissions	Better than -36dBm (0-1Ghz) / Better than -30dBm (1-4 GHz)									
Hum & Noise (dB)	-39dB (NB) / -43dB (MB) / -45dB (WB) -40dB (-800)									
Modulation Type	Direct FM									
Deviation Limiting (Khz)	+/- 5 (WB) / +/- 4 (MB) / +/- 2.5 (NB)									
Audio Response Bandwidth	300Hz to 3KHz (WB & MB) / 300Hz to 2.55KHz (NB) (+1dB / -3dB)									
Below Limiting	Within +1, -3dB of 6dB / Octave Pre-emphasis									
Distortion	5%									
Frequency Stability (ppm)	+/- 5 (+/- 2.0, +/- 2.5, +/- 3.0 dependent on requirement)									
Adjacent Channel Power	Better than - 65dBc (NB) / -70dBc (MB) / -80dBc (WB)									

Typical Performance Figures: Specifications are subject to change without notice and shall not part of any contract. They are issued for guidance purposes only. For further information please check with your nearest Tait office or authorised dealer.

Issue 4. 02/99