



TM8110/TM8115 CONVENTIONAL MOBILE RADIOS

The TM8110 and TM8115 are robust, software-flexible radios which are ideal for a wide range of voice and data applications. The TM8110 comes with 10 conventional channels and one-digit display. The TM8115 comes with 100 conventional channels and two-digit display.

Intuitive interface

- Easy-to-read display for fast channel selection
- Four programmable function keys
- · Heavy duty microphone and built-in loudspeaker

Flexible communications

- Data capable supports 1200/2400 baud FFSK as standard
- Internal high speed data modem software option
- Four RF power levels
- Full Selcall functionality
- DTMF encoder
- Low stand-by power consumption
- MDC 1200 Encode software option

Advanced system integration capabilities

- Multiple auxiliary ports
- Expansive internal options area
- Direct Connect GPS

TAIT: THE RIGHT FIT

TM8110/TM8115 specifications

Engineered to be tough

The TM8110 and TM8115 meet stringent reliability specifications, including MIL-STD 810 C, D, E, F and IP54.

Software feature upgrades

The Software Feature Enabler (SFE) allows users to upgrade with additional functionality at any stage by simply purchasing the appropriate software license key.

Improved data integrity

The application of Digital Signal Processor (DSP) technology optimises RF performance and ensures fast and reliable data processing.

Ease of integration

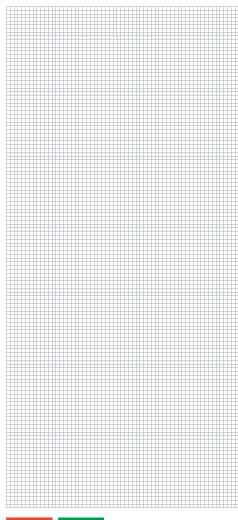
The system integrator has maximum design flexibility with multiple ports for auxiliary connectors and a large options board area. The comprehensive third party developer's kit provides integrators with hardware and software tools to facilitate customisation.

AVL support

The TM8110 / TM8115 support a standard polling vehicle location format and a direct connect port for an external GPS receiver – allowing for the development of a complete AVL solution.









All values quoted are typical. Specifications are subject to change without notice and shall not form part of any contract. They are issued for guidance purposes only. Some features are enabled but can depend on network deployed. + Please note that not all frequency bands and power outputs are available in all markets. For further information please check with your nearest Tait authorised dealer or at www.taitworld.com.

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AUTHORISED DEALER

TM8110 & TM8115	Specifications

	Band	Operational Frequency	/	Transmit Power ⁺
/HF	A4	66–88MHz		25W
	B1	136–174MHz		25W
	B1	136–174MHz		50W
	<u>C0</u>	174-225MHz		25W
	D1	216–266MHz		25W
JHF	H5	400-470MHz		25W
	H5	400-470MHz		40W
	H6	450–530MHz		25W
	H7	450–520MHz		40W
	KE	Transmit	Receive	
700/800MHz	K5	762–776MHz 792–825MHz	762–776MHz	35W (>806MHz)
		850-870MHz	850-870MHz	30W (<806MHz)
requency Stability	±1.5ppm			
hannel/Network Capacity		Channels (simplex or semi-	-duplex)	
		0 Channels (simplex or ser		
ower Supply	10.8-16VD	2		
hannel Spacing	12.5/20/25	ikHz		
hannel Increment	7.5/12.5/15	/20/25/30kHz		
limensions (DxWxH)				
25W 30/35/40/50W		51mm (6.9 x 6.3 x 2.0in)		
30/35/40/50W	192 X 160 X	51mm (7.7 x 6.3 x 2.0in)		
Veight 25W	1.3kg (45.9	ozl		
30/35/40/50W	1.5kg (53oz			
perational Temperature		60°C (-22°F to +140°F)		
iealing	IP54			
RF Connector	50 ohm BN	C or Mini UHF		
nterface Connectors		Connectors with Serial Po	irts	
nternal Speaker Output	>3W			
	VV E<			
Military Standards 810 F*				
pplicable MIL-STD	Method		Procedure	
.ow Pressure	500.4		2	
ligh Temperature	501.4		1, 2	
.ow Temperature	502.4		1, 2 1	
emperature Shock Jolar Radiation	503.4 505.4		1	
lain	506.4		3	
lumidity	507.4		1	
Salt Fog	509.4		1	
Dust /ibration	510.4 514.5		1	
Shock	516.5		1, 6	
ALSO MEETS EQUIVALENT SUPERSEDED MIL-STE				
	1810 C, D & E.			
	1810 C, D & E.			
			700/800MHz (TIA/EU	a)
Transmitter	VHF/UHF (TIA/EIA)	700/800MHz (TIA/EI)	A)
Transmitter			700/800MHz (TIA/EI/	A)
Transmitter Dutput Power 25W 30W	VHF/UHF (30W, 15W, 5W, 2W	A]
Transmitter ^{25W} 30W 35W	VHF/UHF (25W, 12W,	5W, 1W		a)
Transmitter Dutput Power 25W 30W 35W 40W UHF	VHF/UHF (25W, 12W, 40W, 20W,	5W, 1W 15W, 10W	30W, 15W, 5W, 2W	A)
Transmitter Dutput Power 25W 30W 35W 40W UHF 50W VHF	VHF/UHF (25W, 12W,	5W, 1W 15W, 10W	30W, 15W, 5W, 2W	A)
Transmitter Dutput Power 25W 30W 40W UHF 50W VHF 50W VHF Modulation Limiting 12.5KHz	VHF/UHF (25W, 12W, 40W, 20W, 50W, 25W, ±2.5kHz	5W, 1W 15W, 10W	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W ±2.5kHz	a)
Transmitter 25W 30W 35W 40W UHF 50W VHF Modulation Limiting 12.5KHz 20KHz	VHF/UHF (25W, 12W, 40W, 20W, 50W, 25W, ±2.5kHz ±4kHz	5W, 1W 15W, 10W	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W ±2.5kHz ±4kHz	A)
Transmitter 25W 30W 35W 40W UHF 50W VHF Modulation Limiting 12.5KHz 20KHz 25KHz	VHF/UHF (25W, 12W, 40W, 20W, 50W, 25W, ±2.5kHz	5W, 1W 15W, 10W	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W ±2.5kHz	a)
Transmitter Dutput Power 25W 30W 35W 40W UHF 50W VHF 50W VHF Addulation Limiting 12.5KHz 20KHz 25KHz 25KHz 25KHz	VHF/UHF (25W, 12W, 50W, 20W, 50W, 25W, ±2.5kHz ±5kHz ±5kHz	5W, 1W 15W, 10W	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W ±2.5kHz ±4kHz ±5kHz	a)
Transmitter 25W 30W 35W 40W UHF 50W VHF Modulation Limiting 12.5KHz 20KHz 25KHz	VHF/UHF (25W, 12W, 40W, 20W, 50W, 25W, ±2.5kHz ±4kHz	5W, 1W 15W, 10W	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W ±2.5kHz ±4kHz	A)
Transmitter 25W 30W 35W 40W UHF 50W VHF Modulation Limiting 12.5kHz 20kHz 25kHz 25kHz W Hum and Noise 12.5kHz	VHF/UHF (25W, 12W, 40W, 20W, 50W, 25W, 25W/2 ±25kH2 ±5kH2 -38dB	5W, 1W 15W, 10W	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W ±2.5kHz ±4kHz ±5kHz -33dB	A)
Transmitter Nutput Power 25W 30W 35W 40W UHF 50W VHF fodulation Limiting 12.5KHz 20KHz 25KHz 20KHz 20KHz 20KHz 25KHz	VHF/UHF (25W, 12W, 40W, 20W, 50W, 25W, ±2.5kH2 ±5kH2 -38dB -41dB -43dB -36dBm <	5W, 1W 15W, 10W 15W, 10W	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W ±2.5kHz ±4kHz ±5kHz -33dB -38dB	a)
Transmitter Nutput Power 25W 30W 30W 40W UHF 50W VHF Modulation Limiting 12.5kHz 20kHz 25kHz 20k	VHF/UHF (25W, 12W, 40W, 20W, 50W, 25W, ±2.5kHz ±3kHz ±5kHz -38dB -41dB -43dB -36dBm < -30dBm >	5W, 1W 15W, 10W 15W, 10W 16Hz 1GHz	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W +2.5kHz +4kHz +5kHz -33dB -38dB -40dB <-30dBm to 8GHz	a)
Transmitter Dutput Power 25W 30W 35W 40W UHF 50W VHF Addulation Limiting 12.5KHz 20KHz 20KHz 25KHz 20KHz 25KHz 20KHz 20KHz 20KHz 25KHz 20KHZ 20K	VHF/UHF (25W, 12W, 50W, 25W, 50W, 25W, ±2.5kHz ±3kHz -38dB -41dB -43dB -43dB -36dBm < -30dBm > 300Hz-3kH	5W, 1W 15W, 10W 15W, 10W 1GHz 1GHz 1GHz	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W ±2.5kHz ±4kHz ±5kHz -38dB -38dB -40dB <-30dBm to 8GHz 300Hz-3kHz	
Transmitter Sutput Power 25W 30W 35W 40W UHF 50W VHF Aodulation Limiting 12.5KHz 20KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHZ 25K	VHF/UHF (25W, 12W, 40W, 20W, 50W, 25W, ±2.5kHz ±4kHz ±5kHz ±5kHz -38dB -41dB -43dB -36dBm > 300Hz-3kk Flat or pre	5W, 1W 15W, 10W 15W, 10W 1GHz 1GHz tz -emphasised	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W ±2.5kHz ±4kHz ±4kHz ±5kHz -38dB -38dB -40dB <-30dBm to 8GHz 300Hz-3kHz Flat or pre-emphasise	ad
Transmitter Nutput Power 25W 30W 35W 40W UHF 50W VHF Modulation Limiting 12.5kHz 20kHz 25kHz W Hum and Noise 12.5kHz 20kHz 25kHz 25kHz conducted/Radiated Emissions udio Response Bandwidth udio Response udio Distortion	VHF/UHF (25W, 12W, 40W, 20W, 50W, 25W, ±25kH2 ±25kH2 ±36dB -41dB -43dB -36dBm < -30dBm > 300Hz-3k Flat or pre < 3% at 1kl	5W, 1W 15W, 10W 15W, 10W 1GHz 1GHz 1GHz	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W +2 5kHz +4kHz +5kHz -33dB -38dB -40dB <-30dBm to 8GHz 300Hz-3kHz Flat or pre-emphasiss < 3% at 1kHz 60% dev	ad
Transmitter Dutput Power 25W 30W 35W 40W UHF 50W VHF 50W VHF 20KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHz 20KHZ 20K	VHF/UHF (25W, 12W, 40W, 20W, 50W, 25W, ±2.5kHz ±4kHz ±5kHz ±5kHz -38dB -41dB -43dB -36dBm > 300Hz-3kk Flat or pre	5W, 1W 15W, 10W 15W, 10W 1GHz 1GHz tz -emphasised	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W ±2.5kHz ±4kHz ±4kHz ±5kHz -38dB -38dB -40dB <-30dBm to 8GHz 300Hz-3kHz Flat or pre-emphasise	ad
Transmitter Nutput Power 25W 30W 35W 40W UHF 50W VHF Modulation Limiting 12.5KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHz 0onducted/Radiated Emissions udio Response Bandwidth udio Response udio Distortion ransmit Rise Time Uty Cycle	VHF/UHF (25W, 12W, 50W, 25W, 50W, 25W, ±2.5kHz ±3kHz ±5kHz -38dB -43dB -43dB -43dB -36dBm < -30dBm > 300Hz-3k Flat or pre < 3% at 1kl 10ms	5W, 1W 15W, 10W 15W, 10W 1GHz 1GHz tz -emphasised	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W +2 5kHz +4kHz +5kHz -33dB -38dB -40dB <-30dBm to 8GHz 300Hz-3kHz Flat or pre-emphasiss < 3% at 1kHz 60% dev	ad
Transmitter Dutput Power 25W 30W 35W 40W UHF 50W VHF 50W VHF 20KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHz 20KHZ 20K	VHF/UHF (25W, 12W, 40W, 20W, 50W, 25W, ±25kH2 ±25kH2 ±36dB -41dB -43dB -36dBm < -30dBm > 300Hz-3k Flat or pre < 3% at 1kl	5W, 1W 15W, 10W 15W, 10W 1GHz 1GHz tz -emphasised	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W +2 5kHz +4kHz +5kHz -33dB -38dB -40dB <-30dBm to 8GHz 300Hz-3kHz Flat or pre-emphasiss < 3% at 1kHz 60% dev	ad
Transmitter Dutput Power 25W 30W 35W 40W UHF 50W VHF Aodulation Limiting 12.5kHz 20kHz 25k	VHF/UHF (25W, 12W, 50W, 25W, 50W, 25W, ±2.5kHz ±3kHz ±5kHz -38dB -43dB -43dB -43dB -36dBm < -30dBm > 300Hz-3k Flat or pre < 3% at 1kl 10ms	5W, 1W 15W, 10W 15W, 10W 1GHz 1GHz tz -emphasised	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W +2 5kHz +4kHz +5kHz -33dB -38dB -40dB <-30dBm to 8GHz 300Hz-3kHz Flat or pre-emphasist < 3% at 1kHz 60% dev 10ms	ad
Transmitter Nutput Power 25W 30W 35W 40W UHF 50W VHF Modulation Limiting 12.5KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHz 20kdudiated Emissions udio Response Bandwidth udio Response udio Distortion ransmit Rise Time tudy Cycle 25W 30/35W 40/50W	VHF/UHF (25W, 12W, 50W, 25W, 50W, 25W, 40W, 25W, ±2.5kHz ±3kHz -38dB -41dB -43dB -43dB -36dBm < -30dBm > 300Hz-3kF Flat or pre < 3% at 1kl 10ms 33%	5W, 1W 15W, 10W 15W, 10W 1GHz 1GHz tz -emphasised	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W +2 5kHz +4kHz +5kHz -33dB -38dB -40dB <-30dBm to 8GHz 300Hz-3kHz Flat or pre-emphasist < 3% at 1kHz 60% dev 10ms	ad
Transmitter Nutput Power 25W 30W 35W 40W UHF 50W VHF Modulation Limiting 12.5KHz 20KHz 25KHz 20KHz 25KHz 20KHz 25KHz 20kdudiated Emissions udio Response Bandwidth udio Response udio Distortion ransmit Rise Time tudy Cycle 25W 30/35W 40/50W	VHF/UHF (25W, 12W, 50W, 25W, 50W, 25W, 25W, 25W, 25W, 25W, 25W, 25W, 25W, 25W, 25W,	5W, 1W 15W, 10W 15W, 10W 1GHz 1GHz 1z -emphasised +z 60% deviation	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W +2 5kHz +4kHz +5kHz -33dB -38dB -40dB <-30dBm to 8GHz 300Hz-3kHz Flat or pre-emphasist < 3% at 1kHz 60% dev 10ms	ed iation
Transmitter Jutput Power 25W 30W 35W 40W UHF 50W VHF fodulation Limiting 12.5KHz 20KHz 20KHz 25K	VHF/UHF (25W, 12W, 40W, 20W, 50W, 25W, ±2 5kHz ±4kHz ±5kHz -38dB -41dB -41dB -43dB -36dBm > 30dBm > 3	5W, 1W 15W, 10W 15W, 10W 1GHz 1GHz 1GHz 1GHz 12 -emphasised 12 60% deviation TTA/EIA]	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W ±2.5kHz ±4kHz ±4kHz -33dB -38dB -40dB <-30dBm to 8GHz 300Hz-3kHz Flat or pre-emphasise < 3% at 1kHz 60% dev 10ms 20% 700/800MHz (TIA/EU	ad iation
Transmitter Jutput Power 25W 30W 35W 40W UHF 50W VHF fodulation Limiting 12.5KHz 20KHz 20KHz 25K	VHF/UHF (25W, 12W, 40W, 20W, 50W, 25W, ±2 5kHz ±4kHz ±5kHz -38dB -41dB -41dB -43dB -36dBm > 30dBm > 3	5W, 1W 15W, 10W 15W, 10W 1GHz 1GHz 1z -emphasised +z 60% deviation	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W +2.5kHz +4kHz +5kHz -3adB	ed iation
Transmitter utput Power 25W 30W 35W 40W UHF 50W VHF foodulation Limiting 12.5kHz 20kHz 25kHz 20kHz 25kHz onducted/Radiated Emissions udio Response Bandwidth udio Response Bandwidth udio Response Bandwidth udio Distortion anamit. Rise Time uty Cycle 25W 30/35W 40/50W Receiver ensitivity	VHF/UHF (25W, 12W, 40W, 20W, 50W, 25W, ±2 5kHz ±4kHz ±5kHz -38dB -41dB -41dB -43dB -36dBm > 30dBm > 3	5W, 1W 15W, 10W 15W, 10W 1GHz 1GHz 1GHz 1GHz 12 -emphasised 12 60% deviation TTA/EIA]	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W +2.5kHz +4kHz +5kHz -33dB -38dB -40dB <-30dBm to 8GHz 300Hz-3kHz Flat.or.pre-emphasiss -300Hz-3kHz Flat.or.pre-emphasiss -300 at 1kHz 60% dev 10ms 20%	ed iation
Transmitter utput Power 25W 30W 35W 40W UHF 50W VHF bodulation Limiting 12.5kHz 20kH	VHF/UHF (25W, 12W, 50W, 25W, 50W, 25W, 40W, 20W, 50W, 25W, 44H2 45kH2 -38dB -43dB -43dB -43dB -43dB -43dB -43dB -43dB -43dB -43dB -36dBm < -30dBm > 300H2-3kF Flat or pre <3% at 1kl 10ms 33% 20% VHF/UHF (<-118dBm	5W, 1W 15W, 10W 15W, 10W 1GHz 1GHz 1GHz 1GHz 12 -emphasised 12 60% deviation TTA/EIA]	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W +2.5kHz +4kHz +5kHz -33dB -38dB -40dB <-30dBm to 8GHz 300Hz-3kHz Filat or pre-emphasiss -300Hz-3kHz Filat or pre-emphasiss -300Hz-3kHz Filat or pre-emphasiss -300Hz-3kHz Filat or pre-emphasiss -2006 2006 -120dBm (0.22µV) for <-116dBm (0.35µV) for	ed iation
Transmitter utput Power 25W 30W 35W 40W UHF 50W VHF Iodulation Limiting 12.5kHz 20kHz 25kHz 20kHz 25kHz 0nducted/Radiated Emissions udio Response Bandwidth udio Response Bandwidth udio Response Bandwidth udio Response Bandwidth udio Response udio Distortion ansmit. Rise Time uty Cycle 25W 30/35W 40/50W Receiver ensitivity	VHF/UHF (25W, 12W, 40W, 20W, 50W, 25W, ±2.5kHz ±4kHz ±5kH2 -38dB -41dB -43dB -36dBm <	5W, 1W 15W, 10W 15W, 10W 1GHz 1GHz 1GHz 1GHz 12 -emphasised 12 60% deviation TTA/EIA]	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W +2.5kHz +4kHz +3kHz -33dB -38dB -40dB <-30dBm to 8GHz 300Hz-3kHz Flat or pre-emphasis 700/800MHz (TIA/EI/ -120dBm (0.22µV) for <-116dBm (0.35µV) for 82dB 67dB	ed iation
Transmitter utput Power 25W 30W 35W 40W UHF 50W VHF fodulation Limiting 12 5kHz 20kH	VHF/UHF (25W, 12W, 40W, 20W, 50W, 25W, ±2 5kH2 ±4kH2 ±5kH2 -38dB -41dB -41dB -43dB -36dBm > 30dBm	5W, 1W 15W, 10W 15W, 10W 1GHz 1GHz 1GHz 1GHz 12 -emphasised 12 60% deviation TTA/EIA]	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W 35W, 15W, 5W, 2W +2.5kHz +4kHz +38dB -38dB -40dB <-30dB to 8GHz 300Hz-3kHz Flat or pre-emphasise <3% at 1kHz 60% dev 10ms 20% 700/800MHz (TIA/EU -120dBm (0.35µV) for <-116dBm (0.35µV) for 82dB 67dB 75dB	ed iation
Transmitter utput Power 25W 30W 35W 40W UHF 50W VHF foolulation Limiting 12.5kHz 20kHz 25kHz 20kHz 25kHz 0dio Distortion ansmit Rise Time uty Cycle 25W 30/35W 40/50W Receiver ensitivity thermodulation electivity 12.5kHz 20kHz 25kHz	VHF/UHF (25W, 12W, 50W, 25W, 50W, 25W, 40W, 20W, 50W, 25W, 412B -434B -434B -434B -434B -434B -434B -434B -364Bm < -304Bm > -364Bm < -374Bm > -374Bm > -3754Bm	5W, 1W 15W, 10W 15W, 10W 1GHz 1GHz 1GHz 1GHz 12 -emphasised 12 60% deviation TTA/EIA]	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W 35W, 15W, 5W, 2W +2.5kHz -33dB -38dB -40dB <-30dBm to 8GHz 300Hz-3kHz Flat or pre-emphasise 20% 20% 20% 20% 20% 20% 20% 20% 20%	ed iation
Transmitter butput Power 25W 30W 35W 40W UHF 50W VHF Modulation Limiting 12.5kHz 20kHz 25kHz 20kHz 25kHz 20kHz 25kHz 20kHz 25kHz Conducted/Radiated Emissions udio Response Bandwidth udio Response Bandwidth udio Response Bandwidth udio Distortion ransmit Rise Time buty Cycle 25W 30/35W 40/50W Receiver sensitivity ntermodulation iselectivity 12.5kHz 20kHz 2	VHF/UHF (25W, 12W, 40W, 20W, 50W, 25W, ±2 5kH2 ±4kH2 ±5kH2 -38dB -41dB -41dB -43dB -36dBm > 30dBm	5W, 1W 15W, 10W 15W, 10W 1GHz 1GHz 1GHz 1GHz 12 -emphasised 12 60% deviation TTA/EIA]	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W 35W, 15W, 5W, 2W +2.5kHz +4kHz +38dB -38dB -40dB <-30dB to 8GHz 300Hz-3kHz Flat or pre-emphasise <3% at 1kHz 60% dev 10ms 20% 700/800MHz (TIA/EU -120dBm (0.35µV) for <-116dBm (0.35µV) for 82dB 67dB 75dB	ed iation
Transmitter butput Power 25W 30W 35W 40W UHF 50W VHF fodulation Limiting 12.5kHz 20kHz 20	VHF/UHF (25W, 12W, 40W, 20W, 50W, 25W, ±2.5kHz ±36HB -41dB -36dBm -36dBm -36dBm -36dBm 300Hz-3kt Flat or pre <3% at 1kt	5W, 1W 15W, 10W 15W, 10W 1GHz 1GHz 1GHz 1GHz 12 -emphasised 12 60% deviation TTA/EIA]	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W 35W, 15W, 5W, 2W +2.5kHz +4kHz +38dB -38dB -40dB <-30dBm to 8GHz 300Hz-3kHz Flat or pre-emphasise <3% at 1kHz 60% dev 10ms 20% 700/800MHz (TIA/EL -120dBm (0.22µV) for <-116dBm (0.35µV) for 82dB 67dB 75dB 75dB 75dB 75dB 290dB**	ed iation
Transmitter utput Power 25W 30W 35W 40W UHF 50W VHF fodulation Limiting 12.5kHz 20kHz 25kHz W Hum and Noise 12.5kHz 20kHz 25kHz onducted/Radiated Emissions udio Response Bandwidth Utio Response Bandwidth ESC Bandwidth Utio Response Bandwidth Utip Status 25W 30/35W 40/50W BCCElver ensitivity termodulation electivity 12.5kHz 25kHz 25kH	VHF/UHF (25W, 12W, 40W, 20W, 50W, 25W, ±2.5kH2 ±364 -43dB -43dB -43dB -43dB -36dBm < -36dBm < -30dBm > 300Hz-3k Flat or pre <3% at 1kl 10ms 33% 20% VHF/UHF (<-118dBm 75dB 75dB 75dB 75dB -40dB	5W, 1W 15W, 10W 15W, 10W 1GHz 1GHz 1GHz 1GHz 12 -emphasised 12 60% deviation TTA/EIA]	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W 35W, 15W, 5W, 2W +2.5kHz +4kHz +5kHz -33dB -3ddB -40dB <-30dBm to 8GHz 300Hz-3kHz Flat. or pre-emphasis 300Hz-3kHz Flat. or pre-emphasis 20% 20% 700/800MHz (TIA/EL/ -120dBm (0.22µV) for <-116dBm (0.35µV) for <-116dBm (0.35µV) for 82dB 67dB 75dB 75dB 79dB > 90dB** -44dB	ed iation
Transmitter Interpretation hutput Power 25W 30W 35W 40W UHF 50W VHF fodulation Limiting 12.5Hz 20KHz	VHF/UHF (25W, 12W, 40W, 20W, 50W, 25W, ±2.5kHz ±36HB -41dB -36dBm -36dBm -36dBm -36dBm 300Hz-3kt Flat or pre <3% at 1kt	5W, 1W 15W, 10W 15W, 10W 1GHz 1GHz 1GHz 1GHz 12 -emphasised 12 60% deviation TTA/EIA]	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W 35W, 15W, 5W, 2W +2.5kHz +4kHz +38dB -38dB -40dB <-30dBm to 8GHz 300Hz-3kHz Flat or pre-emphasise <3% at 1kHz 60% dev 10ms 20% 700/800MHz (TIA/EL -120dBm (0.22µV) for <-116dBm (0.35µV) for 82dB 67dB 75dB 75dB 75dB 75dB 290dB**	ed iation
Transmitter Interpretation hutput Power 25W 30W 35W 40W UHF 50W VHF fodulation Limiting 12.5Hz 20KHz	VHF/UHF (25W, 12W, 40W, 20W, 50W, 25W, 50W, 25W, ±2.5kHz ±4kHz ±5kHz -38dB -41dB -43dB -40dBm > 300Hz-3kt Flat or pre <3% at 1kt	5W, 1W 15W, 10W 15W, 10W 1GHz 1GHz tz -emphasised tz 60% deviation TIA/EIA) (0.28 µV) for 12dB SINAD	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W 35W, 15W, 5W, 2W +2.5kHz +4kHz +38dB -38dB -40dB <-30dBm to 8GHz 300Hz-3kHz Flat or pre-emphasise 300Hz-3kHz Flat or pre-emphasise (3% at 1kHz 60% dev 10ms 20% 700/800MHz (TIA/EL/ -120dBm (0.22µV) for 82dB 57dB 79dB > 90dB** -44dB -47dB	ed iation
Transmitter Dutput Power 25W 30W 35W 40W UHF 50W VHF Modulation Limiting 12.5kHz 20kHz 25kHz 25kHz 20kHz 25kHz 20kHz 25kHz 20kHz 25kHz 20kHz 25kHz 20kHz 25kHz 25k	VHF/UHF (25W, 12W, 40W, 20W, 50W, 25W, ±2.5kHz ±4kHz ±5kHz -38dB -41dB -43dB -30dBm > 300Hz-3kF Flat or pre <3% at 1kl	5W, 1W 15W, 10W 15W, 10W 1GHz 1GHz tz -emphasised tz 60% deviation TIA/EIA) (0.28 µV) for 12dB SINAD	30W, 15W, 5W, 2W 35W, 15W, 5W, 2W 35W, 15W, 5W, 2W +2.5kHz +4kHz +38dB -38dB -40dB <-30dBm to 8GHz 300Hz-3kHz Flat or pre-emphasise <3% at 1kHz 60% dev 10ms 20% 700/800MHz (TIA/EL/ -120dBm (0.22µV) for <-116dBm (0.35µV) for 82dB 67dB 75dB 75dB 75dB 75dB 75dB 75dB 75dB 7	ed iiation 12dB SINAD - 20dB SINAD

**Meets class A except 1/2 IF at bottom 4MHz of 700MHz sub-band (69dB) and TOP 4MHz of 800MHz sub-band (66dB).