

CLASSIFICATION		PAGE 2 of 6	
TRANSMITTER EQUIPMENT CHARACTERISTICS			
1. NOMENCLATURE, MANUFACTURER'S MODEL NO. Blighter 202 Portable Radar		2. MANUFACTURER'S NAME Plextek Ltd., UK.	
3. TRANSMITTER INSTALLATION Portable		4. TRANSMITTER TYPE FMICW (Electronic Scan)	
5. TUNING RANGE 15.7GHz to 17.2GHz		6. METHOD OF TUNING Synthesizer	
7. RF CHANNELING CAPABILITY 15.706GHz Continuous		8. EMISSION DESIGNATOR(S) 17MF8N	
9. FREQUENCY TOLERANCE +/-13ppm			
10. FILTER EMPLOYED (X one) ☐ a. YES ☒ b. NO			
11. SPREAD SPECTRUM (X one) ☐ a. YES ☒ b. NO		12. EMISSION BANDWIDTH (X and complete as applicable) ☐ CALCULATED ☒ MEASURED	
13. MAXIMUM BIT RATE N/A		a. -3 dB 15.5MHz	
14. MODULATION TECHNIQUES AND CODING FMICW		b. -20 dB 17.0MHz	
		c. -40 dB 19.0MHz	
		d. -60 dB 20.0MHz	
		e. OC-BW 17.0MHz	
15. MAXIMUM MODULATION FREQUENCY 8kHz			
16. PRE-EMPHASIS (X one) ☐ a. YES ☒ b. NO		17. DEVIATION RATIO 1875	
19. POWER a. MEAN 1W b. PEP <2W		18. PULSE CHARACTERISTICS a. RATE 8kHz b. WIDTH 64mS c. RISE TIME 1uS d. FALL TIME 1uS e. COMP RATIO N/A	
20. OUTPUT DEVICE GaAs MMIC		21. HARMONIC LEVEL a. 2ND Below -66dB b. 3RD Below -60dB c. OTHER Below -60dB	
22. SPURIOUS LEVEL Below -66dB			
23. FCC TYPE ACCEPTANCE NO. N/A			
24. REMARKS Transmitted waveform is Frequency Modulated Interrupted Continuous Wave (FMICW)			
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