

RF TECHNOLOGY PTY. LTD. EQUIPMENT SPECIFICATIONS

TRANSMITTER EQUIPMENT CHARACTERISTICS

1. Nomenclature/Model No. T500BN	1a. Manufacturer's Name RF Technology Pty Ltd
2. System Nomenclature Eclipse	3. Transmitter Type Direct Frequency Modulation
4. Tuning Range 450-500MHz	5. Method of Tuning PLL
6. RF Channeling Capability Up to 100 channels	7. Frequency Stability ± 1 ppm
8. Emission Designator(s) 11K0F3E	9. Emission Bandwidth ___ Calculated ___ Measured - 3 dB <u>3 KHz</u> - 20 dB <u>10 KHz</u> - 40 dB <u>18KHz</u> - 60 dB <u>24KHz</u> Occupied Bandwidth <u>10 KHz</u> (DoD)
10. Filter Employed ☒ Low Pass ☐ High Pass ☐ Band Pass ☐ None	
11. Maximum Bit Rate 4800Bps	12. Maximum Modulation Frequency 3000Hz
13. Pre Empasis ☒ Yes ☐ No	14. Deviation Ratio 60% of 2.5KHz maximum deviation
15. Power (a) Carrier <u>1~15 Watts</u> <u>25~50 Watts with PA500B</u> (b) Mean <u>N/A</u> (c) Peak Envelope <u>N/A</u>	16. Pulse Characteristics N/A (a) Rate _____ (b) Width _____ (c) Rise time _____ (d) Fall time _____ (e) Compression Ratio _____
17. Out Put Device Solid state Power Amplifier	
18. Spurious Level Less that 0.25μw	19. Harmonic Level (a) 2nd <u>-93dBc</u> (b) 3rd <u>-80dBc</u> (c) Other <u>N/A</u>
20. FCC Type Acceptance No. KRET500B	
21. Remarks FCC ID: KREPA500B FOR POWER AMPLIFIER PA500B	