



FIGURE K4.
TILTROTOR NOISE LIMITS

Section K5 Trade-Offs

If the noise evaluation measurement exceeds the noise limits described in K4 of this appendix at one or two measurement points:

- (a) The sum of excesses must not be greater than 4 EPNdB;
- (b) The excess at any single point must not be greater than 3 EPNdB; and
- (c) Any excess must be offset by the remaining noise margin at the other point or points.

Section K6 Noise Certification Reference Procedures

K6.1 General Conditions

- (a)–(b) [Reserved]
- (c) The takeoff, flyover and approach reference procedures must be established in accordance with sections K6.2, K6.3 and K6.4 of

this appendix, except as specified in section K6.1(d) of this appendix.

(d) If the design characteristics of the tiltrotor prevent test flights from being conducted in accordance with section K6.2, K6.3 or K6.4 of this appendix, the applicant must revise the test procedures and resubmit the procedures for approval.

(e) The following reference atmospheric conditions must be used to establish the reference procedures:

- (1) Sea level atmospheric pressure of 2,116 pounds per square foot (1,013.25 hPa);
- (2) Ambient air temperature of 77 °Fahrenheit (25 °Celsius, i.e. ISA + 10 °C);
- (3) Relative humidity of 70 percent; and
- (4) Zero wind.

(f) For tests conducted in accordance with sections K6.2, K6.3, and K6.4 of this appendix, use the maximum normal operating RPM