

GENERAL INFORMATION REQUIRED
FOR TYPE ACCEPTANCE

2.983 (a,b,c) AES Corporation will sell the FCCID: L9N-7080H UHF transceiver in quantity, for use under FCC RULES PART 90.

2.983 (d) TECHNICAL DESCRIPTION

(1) ALLOWED AUTHORIZED BANDWIDTH = 11.25KHz.
90.209(b)(5)

$$\begin{aligned} B_n &= 2M + 2DK \\ M &= 2050 \\ D &= 1.7\text{KHz (Peak Deviation)} \\ K &= 1 \\ B_n &= 2(2.05\text{K}) + 2(1.7\text{K})(1) = 4.1\text{K} + 3.4\text{K} = 7.5\text{K} \end{aligned}$$

Type of Emission: 7K5F2D

(1) ALLOWED AUTHORIZED BANDWIDTH = 11.25KHz.
90.209(b)(5)

$$\begin{aligned} B_n &= 2M + 2DK \\ M &= 3000 \\ D &= 2.2\text{KHz (Peak Deviation)} \\ K &= 1 \\ B_n &= 2(3.0\text{K}) + 2(2.2\text{K})(1) = 6.0\text{K} + 4.4\text{K} = 10.4\text{K} \end{aligned}$$

Type of Emission: 10K4F3E

(2) ALLOWED AUTHORIZED BANDWIDTH = 20.0KHz.
90.209(b)(5)

$$\begin{aligned} B_n &= 2M + 2DK \\ M &= 2050 \\ D &= 2.2\text{KHz (Peak Deviation)} \\ K &= 1 \\ B_n &= 2(2.05\text{K}) + 2(2.2\text{K})(1) = 4.1\text{K} + 4.4\text{K} = 8.5\text{K} \end{aligned}$$

Type of Emission: 8K5F2D

(2) ALLOWED AUTHORIZED BANDWIDTH = 20.0KHz.
90.209(b)(5)

$$\begin{aligned} B_n &= 2M + 2DK \\ M &= 3000 \\ D &= 3.6\text{KHz (Peak Deviation)} \\ K &= 1 \\ B_n &= 2(3.0\text{K}) + 2(3.6\text{K})(1) = 6.0\text{K} + 7.2\text{K} = 13.2\text{K} \end{aligned}$$

Type of Emission: 13K2F3E

(2) Frequency Range: 450-470 MHz

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