1.1.1 Field Strength of Intentional Radiator Inside of Band

Per FCC Part 15, Subpart C (15.231 (e)) at 3 meters

The EUT was compliant with CFR 47, 15.231 (e) field strength of intentional radiator.

LOJACK EUT: KF-100

Transmitter Field Strength

Frequency MHz	Corrected Measurement (dBuV/m)	Limit (dBuV/m)	Delta (dB)
433.92	65.6	72.8	**-7.2**
433.92	47.1	72.8	**-25.7**

- Frequencies relative to the Limit.
- Reference Appendix A for all data taken.

1.1.2 Emissions Radiated Outside of Band

Per FCC Part 15, Subpart C at 3 meters

The EUT was compliant with CFR 47, 15.231 (e) radiated emissions requirements.

Measurements of radiated emission data were taken at 433 MHz

Table 3.1.5(1)

LOJACK EUT: KF-100

Freq. (MHz)	Meas'd (dBuV)	Amp Factors (dB)	Cable Factors (dB)	Antenna Factors (dB)	50% Duty Cycle (dB)	Total Factors (dB)	Corrected signal (dBuV/m)	Limit (dBuV/m)	Delta (dB)
867.86	59.8	-51.0	10.8	24.5	-6.0	-21.7	**38.1**	53.0	**-14.9**
867.85	68.4	-51.0	10.8	24.5	-6.0	-21.7	**46.7**	53.0	**-6.3**
1302.00	49.0	-32.9	0.6	25.4	-6.0	-7.4	**36.1**	53.0	**-16.9**
1736.00	46.2	-32.5	0.7	27.2	-6.0	-5.2	**35.6**	53.0	**-17.4**
2170.00	50.7	-32.7	0.9	28.9	-6.0	-1.7	**41.8**	53.0	**-11.2**
2603.00	47.4	-30.7	1.2	29.9	-6.0	-0.4	**47.0**	53.0	**-6.0**

- Six highest frequencies relative to the Limit.
- Reference Appendix A for all data taken.

1.1.3 Occupied Bandwidth

The occupied bandwidth at the transceiver's fundamental frequency output was measured using a HP 8568B spectrum analyzer. The spectrum analyzer was adjusted as follows:

Frequency: 433.9 MHz
Input Attenuation: 10. dB
Scan Width: .1.00 kHz/div
Vertical Scale: 10 dB/div

Resolution Bandwidth: 100 kHz
Reference Level: 100 dBuV
Detector: Peak
Max Hold Multiple Sweeps