

JQA Application No.:441-00225R

Model No.

:IMB122-02

Issue Date : August 8, 2000

Standard

:CFR 47 FCC Rules Part 15

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The distance of measurements was reduced to 10 meters.

Date: July 7, 2000

Temp.: ___20 °C__ Humi.: 41 %

Operating Frequency : 123.7 kHz
Distance of Measurement : 10 meters

Frequency	Meter Reading	Field Strength
(MHz)	(dBµV/m)	(dBµV/m)
Fundamental		
0.1237	56.0	56.0
Harmonic Freque	ency	
0.2474	< 33.2	< 33.2
0.3711	< 31.4	< 31.4
0.4948	< 30.1	< 30.1
0.6185	< 29.0	< 29.0
0.7422	< 28.1	< 28.1
0.8659	< 27.3	< 27.3
0.9896	< 27.0	< 27.0
1.1113	< 27.0	< 27.0
1.2370	< 27.0	< 27.0

Note:

- 1. Meter reading value shows field strength, because the value includes antenna factor.
- 2. The symbol of "<" means "or less".
- 3. Measuring Instrument Setting:

: 110 kHz to 490 kHz Frequency Range

Detector Function : Average
TF Band width : 10 kHz

: 536.8 kHz to 1345 kHz Frequency Range Detector Function : CISPR Quasi-peak Peak

: 9 kHz IF Band width

For fundamental, the measured field strength was extrapolated to distance 300 meters, using the formula that field strength varies as the inverse distance square (40 dB per decade of distance).

Calculation :

 $56.0 \text{ dB}\mu\text{V/m} - 20\log_{10}((300/10)^2) = 56.0 - 59.1$

= $-3.1 \text{ dB}\mu\text{V/m}$ at 300 meters

Limits for fundamental(\$15.209(a)) = $20log_{10}(2400/123.7)$ = $25.8 dB\mu V/m$

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