

The distance of measurements was reduced to 10 meters.

Date : July 7, 2000Temp.: 20 °C Humi.: 41 %

Operating Frequency : 126.0 kHz
Distance of Measurement : 10 meters

Frequency (MHz)	Meter Reading (dBμV/m)	Field Strength (dBμV/m)
Fundamental		
0.1260	41.5	41.5
Harmonic Frequency		
0.2520	< 33.2	< 33.2
0.2780	< 31.4	< 31.4
0.5040	< 30.1	< 30.1
0.6300	< 29.0	< 29.0
0.7560	< 28.1	< 28.1
0.8820	< 27.3	< 27.3
1.0080	< 27.0	< 27.0
1.1340	< 27.0	< 27.0
1.2600	< 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:

Frequency Range : 110 kHz to 490 kHz
Detector Function : Average
IF Band width : 10 kHz

Frequency Range : 536.8 kHz to 1345 kHz
Detector Function : CISPR Quasi-peak Peak
IF Band width : 9 kHz

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 :

$$\begin{aligned} 41.5 \text{ dB}\mu\text{V/m} - 20\log_{10}((300/10)^2) &= 41.5 - 59.1 \\ &= -17.6 \text{ dB}\mu\text{V/m at 300 meters} \end{aligned}$$

$$\text{Limits for fundamental (§15.209(a))} = 20\log_{10}(2400/126.0) = 25.6 \text{ dB}\mu\text{V/m}$$

Tested by : Y. Nakajima
Yoichi Nakajima
Testing Engineer