

2. Photograph for the worst case configuration



3. Sample Calculation

The emission level measured in decibels above one microvolt ($\text{dB}\mu\text{V}$) was converted into microvolt (μV) as shown in following sample calculation.

For example :

	Measured Value at	0.45MHz	37.2 $\text{dB}\mu\text{V}$
+	Cable Losses *		0.0 dB
=	Conducted Emission		37.2 $\text{dB}\mu\text{V}$ (= 72.4 μV)

* In case of RG214/ μ RF cable 15Ft, the loss is about 0.17dB at the frequency of 30MHz which is negligible.

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3. Sample Calculation

The emission level measured in decibels above one microvolt ($\text{dB}\mu\text{V}$) was converted into microvolt per meter ($\mu\text{V}/\text{m}$) as shown in following sample calculation.

For example :

Measured Value at <u>902.80MHz</u>	50.1 $\text{dB}\mu\text{V}$
+ Antenna Factor	29.0 dB
+ Cable Loss	5.7 dB
- Preamplifier	0.0 dB
- Distance Correction Factor *	0.0 dB
= Radiated Emission	84.8 $\text{dB}\mu\text{V}/\text{m}$ (= 17378.0 $\mu\text{V}/\text{m}$)

* Extrapolated from the measured distance(1.5m) to the specified distance(3m) by an inverse linear distance extrapolation.

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3. Sample Calculation

The emission level measured in decibels above one microvolt ($\text{dB}\mu\text{V}$) was converted into microvolt per meter ($\mu\text{V}/\text{m}$) as shown in following sample calculation.

For example :

Measured Value at <u>925.30MHz</u>	38.9 $\text{dB}\mu\text{V}$
+ Antenna Factor	29.3 dB
+ Cable Loss	5.7 dB
- Preamplifier	0.0 dB
- Distance Correction Factor *	0.0 dB
= Radiated Emission	73.9 $\text{dB}\mu\text{V}/\text{m}$
	(= 4954.5 $\mu\text{V}/\text{m}$)

* Extrapolated from the measured distance(1.5m) to the specified distance(3m) by an inverse linear distance extrapolation.