

*Simplified EMI Radiation noise measurement system*

◇ **Readily measurement system for EMI radiation noise [300MHz~1GHz]**

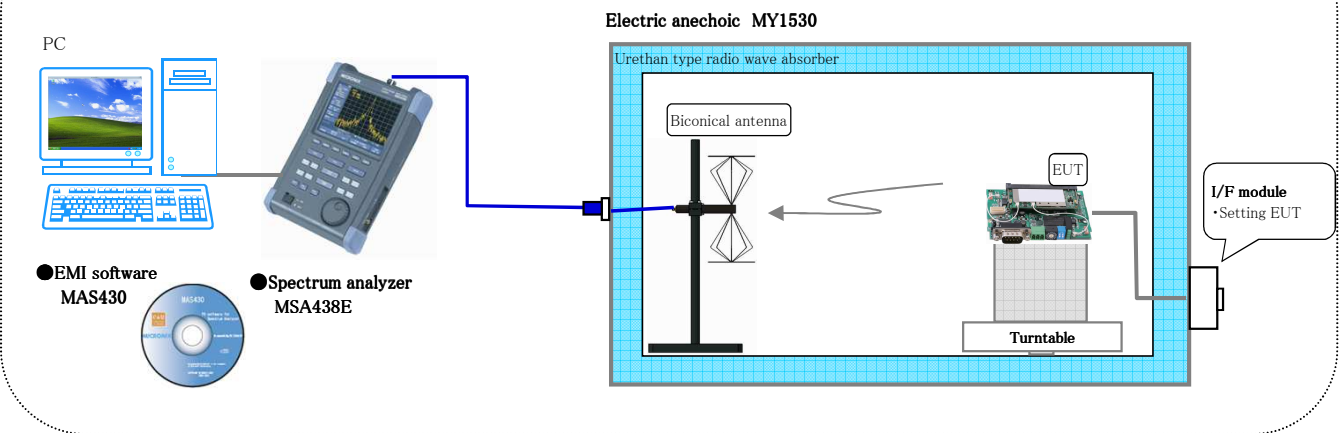
[~\*Application\*~]

Anechoic test chamber is used for testing EMI emission measurement. Generally, using approved EMI test site in all processes measuring noise waste high charge and amount of time. Our system make it possible to debug for EMI test before running compliance test in advance.

When by absolute comparison of correlation between this system and formal anechoic room at measuring in near field distance, its coincidence are less than perfect. but this system will enable to figure out noise reduction of implemented DUT qualitatively. Also, using our spectrum analyzer with EMI software MAS430 enable detect automatically PK value and AV, QP.

[~\*Solution\*~]

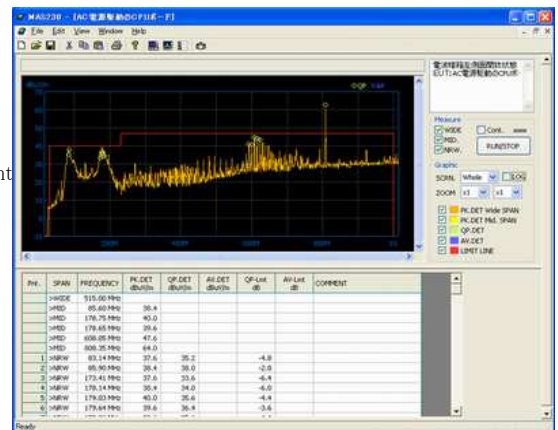
System diagram



■ This EMI spectrum analyzer is equipped detection of PK value and AV, QP suitable for pre-compliance EMI measurement.

■ Using EMI software MAS430 enable easily to set test parameter of measurement span and threshold of EMI standard etc.

■ This system can test both measurement Radiation noise and conduction noise. It provide support for EMI measures comprehensively  
Also, using magnetic field probe or loop antenna can be useful to pinpoint where noise signal sources is generated from circuit board.



EMI software (MAS430) screen image

[~\*System constitution\*~]

|   |         |
|---|---------|
| Spectrum analyzer for EMI [MSA438E]/Lithium ion battery [MB400] | qty × 1 |
| MSA438E calibration   | "       |
| EMI software [MAS430]/USB cable [MI400]                         | "       |
| SMA→N coaxial cable 1.5m [MC204-MA306]                          | "       |
| Electric anechoic box [TaurusMY1530]/turntable [MT103]          | "       |
| Interface module [IFM2]   | "       |
| Interface module [IFM4]   | "       |
| Biconical antenna [MBA301]/Antenna Stand/SMA cable              | "       |

[OPTION]  
 •Magnetic field probe CP-2S (10MHz~3GHz)  
 •Magnetic field probe MP-10L (150kHz~1GHz)  
 •Loop Antenna MLA101 (10kHz~30MHz)

This constitution doesn't include a personal computer.

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