

With Accelerated Time Domain Scan, you'll never miss noise again!

EPX/VE

Latest emission measurement and analysis software from
TOYO Corporation for automobile and on-vehicle equipment

HIGHLY-RELIABLE/POWERFUL MEASUREMENT SOFTWARE - PERFORM EMI MEASUREMENTS JUST LIKE AN EXPERIENCED EMC ENGINEER!

With the development of new technologies such as IoT, 5G and autonomous driving, the electromagnetic environment around us is getting more and more complex. This translates into the increased significance of EMC measurement as the electromagnetic noise which development engineers evaluate and take measures against is also becoming more complicated.

The "EPX/VE" is TOYO's internally developed EMI measurement and analysis software for automobile and on-vehicle equipment. Combined with Keysight's latest EMI receiver "N9048B PXE," the "EPX/VE" allows you to conduct measurement without missing any noise and greatly helps you identify the parts emitting electromagnetic noise.

ACCURATE MEASUREMENTS WITHOUT MISSING NOISE

The Accelerated Time Domain Scan (A-TDS) feature has an FFT bandwidth of 350MHz that far exceeds that of a conventional EMI receiver - if you are to conduct a measurement in a range from 30MHz to 1000MHz with this FFT bandwidth, you need to measure noise only in three ranges and it's done! Within each FFT bandwidth, noise is constantly monitored at any frequency, which enables gapless measurement. Also, by integrating A-TDS into the automatic measurement sequence, the "EPX/VE" offers automated measurement with enhanced reliability. You will never miss any noise with this solution.

EXCELLENT ANALYSIS FEATURE REDUCES PRODUCT DEVELOPMENT CYCLES

With A-TDS, you can also use a wide FFT bandwidth of 350MHz for QP measurement, so scan measurement with a QP detector is possible in a range from 30 to 1000MHz. Furthermore, all measured waveforms can be analyzed in time domain, visualizing the time at which noise appeared along with its frequency component. With this feature, you can efficiently take measures against noise, which contributes to a shortened product development cycle.



EPX/VE Main Screen



N9048B PXE



EPX/VE

FEATURES AND FUNCTIONS

- Compliant with international and automotive manufacturers' standards including CISPR16-1-1, CISPR12, CISPR25, UN/ECE R10
- Automated measurement sequence using Accelerated Time Domain Scan (A-TDS)
- Scan measurement (A-TDS-supported gapless scan)
- Candidate list
- Interference level measurement (detailed measurement with a wide bandwidth using A-TDS)
- Microsoft Office-based reporting feature
- Saving and loading of equipment/environment/measurement option settings as templates
- Support for various measurement conditions

OPERATING ENVIRONMENT

OS	Windows 10 Professional 64bit
CPU	1.5GHz or higher (Core i7 or higher)
Memory	16GB or higher recommended
Storage	512GB SSD for system drive (minimum)
Display	1920 x 1080 or better
Driver	National Instruments VISA
Others	Microsoft Office 2019/2016/365 (for Excel & Word Reporting feature)

* Though all Clear/Write spectrum can be saved during measurement, the data amount per measurement can be up to a few hundred megabytes. It is advised that you have as much free storage space as possible.

ORDER INFORMATION

EPX/VE-AE	EPX/VE software (English version) including 1-year maintenance support
EPX/VE-AJ	EPX/VE software (Japanese version) including 1-year maintenance support
Annual maintenance support	An updated manual will be available upon release of a new version



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