

IEEE 802.3CY – BEYOND 10G ELECTRICAL AUTOMOTIVE ETHERNET PHY TF

EMC REQUIREMENTS

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Go Further

Automotive EMC

- Currently OEM Automotive EMC requirements for Radiated Immunity and Emissions have defined limits up to 3GHz.
- What are the plans for new technologies operating in the regions beyond 3GHz
 - Radiated Emissions: OEMs are asking for data to be measured up to 6GHz, but no limits are defined. This is to gather information of the emission levels and what type of fields are being generated.
 - Radiated Immunity: As of now OEM EMC experts don't have any information to share and are investigating what requirements are needed for future communication protocols operating in higher frequency regions.
 - The Radiated Immunity and Emissions requirements for Automotive Ethernet are documented in SAEJ2962/3. The specification is in its final stages of publication and should be available soon.

Thank you!

