

EMC Lab-GARC

GARC-Chennai is situated in close IT- hub of country, in view the facts that most of the electronic systems for automotive industry are develop in this region a state of the art EMC lab proposed here. The lab will be fully equipped to cater all range of EMC categories, OEM requirements for EMC and its R&D. The details of EMC Lab at **GARC-Chennai** are tabulated below:

EMC Capabilities At GARC

Components	Technical Specifications
VSAC for trucks	
Anechoic chamber	30x20x10m
Main Turntable	8m diameter, 5 tons
Integrated Chassis Dyno	4x4 up to LCV, 120km/h
Second turntable	-
Portable Chassis Dyno	for HD
Equipment	
EMI: Emissions	20Hz - 7GHz
EMS: Immunity	>100V/m 10kHz - 3GHz
Control Room	shielded
Amplifiers	10kW+2kW+240W
VSAC for 2/3Wheelers	
Anechoic chamber	14x12x9m
Turntable	5m diameter, 3 tons
Integrated Chassis Dyno	120km/h
Equipment	
EMI: Emissions	20Hz - 7GHz
EMS: Immunity	>100V/m 10kHz - 3GHz
Control Room	shielded
SAC for components	
Anechoic chamber	7x6x4m
Turntable	1.5m diameter, 500kg
Equipment & Their Use	
EMI: Emissions	R&D
EMS: Immunity	R&D
Control Room	shielded

SAC for on-board antennas	
Anechoic chamber	12x8x7m
Equipment & Their Use	
EMI: Emissions	R&D
EMS: Immunity	R&D
Shielded for BCI tests	
Shielded chamber	10x4x3m
Equipment & Their Use	
EMI: Emissions	R&D
EMS: Immunity	R&D