

Americas EMC Capabilities

Location	Semi-anechoic Chambers			Emissions Test Sites (OATS)			Frequency Range		Electrical Power			Load
	3m	10m	30m	3m	10m	30m	Emissions	Immunity	DC	50Hz	60Hz	
Boxborough, MA	■	■			■		20Hz to 220GHz	DC to 40GHz Up to 200 V/m	0-30V 100A 0-60V 50A	230V, 400V 100A	120/208/240V 100A 277/480V 100A	Chambers - 4T OATS – 2T
Duluth, GA	■	■					20Hz to 40GHz	10kHz to 18GHz Up to 20 V/m	0-30 V, 120 A 0-60 V, 50 A 50V, 100A	230 V, 50 A 400 V, 50 A	120/208/240 V, 60 A 480V, 60 A	4T
Grand Rapids, MI^a	■						20Hz to 40GHz	20Hz to 18GHz Up to 200 V/m	0-400 V, 0-50A	230 V, 16 A 400 V, 16 A	120/208/240V 100A 277/480V 100A	1T
Lake Forest, CA	■						9kHz-40GHz	10KHZ-2.7GHz Up to 3 V/m	0-80VDC, 50A	230/400V, 50A	120/208/240/480V; 100/100/60/100A/per phase.	4T
Lexington, KY	■	■					20Hz – 40GHz	10 kHz – 18GHz Up to 10 V/m	0-48V, 170 A 0-80 V, 25 A 0-400 V, 2 A	0-240 V 12 kVA/phase	120/208/480 V 100 A/phase	4T
Louisville CO	■						30Hz to 40GHz	30 Hz to 18GHz Up to 10 V/m	0-50 V, 25A	90 - 240V 100 A phase	90 - 240V 100 A phase	1T
Menlo Park, CA	■	■					20 Hz – 40 GHz	30 Hz – 18 GHz Up to 20 V/m	48V, 60A	380V, 230V, 60A	480V, 208V, 120V, 60A	4T
Oakdale, MN	■			■	■	■	9kHz-40GHz	10 kHz-18GHz Up to 10 V/m	0-80VDC, 50A	230/380V, 100A	120/208/240/480V; 100/100/60/100A/per phase.	8T
Plano, TX	■						9kHz-26GHz	10KHZ-4GHz Up to 10 V/m	0-50VDC, 50A	230/380V, 100A	120/208/240/480V; 100/100/60/100A/per phase.	2T

Key ■ Semi-anechoic chamber (emissions or immunity) ■ Sheltered EMI site ■ Open Area Test Site (OATS)

a: Grand Rapids also has a Reverb Chamber capable of immunity test levels up to 3000 V/m.

Asia Pacific EMC Capabilities

Location	Emissions or Immunity Chambers			Emissions Test Sites (OATs)			Frequency Range		Electrical Power			Load	
	3m	10m	30m	3m	10m	30m	Emissions	Immunity	DC	50Hz	60Hz		
Hong Kong	■ _a			■ _{x2}			9k to 40 GHz	150k to 3GHz	24V	100-240V 13A	100-240V 13A		
Shanghai (ETL SEMKO)	■ _{x2}						9k to 26.5 GHz	150k to 3.2GHz	12-72V 100A	100-240V 25A	100-240V 25A	800kg	
Kashima	■ _{x2}	■		■ _{x3}	■ _{x3}	■ _{x2}	9k to 40 GHz	10k to 18GHz		100-240V/20kVA	100-240V/17kVA	10T	
Matsuda	■ _{x2}			■ _{x5}	■ _{x5}		9k to 40GHz	10k to 18GHz		100-240V/15kVA	100-240V/15kVA	5T	
Nagano	■			■ _{x3}	■ _{x3}		9k to 40GHz	80 to 1000MHz		100-240V/6kVA	100-240V/6kVA	1T	
Tochigi				■ _{x3}	■ _{x3}		9k to 40GHz			100-240V/6kVA	100-240V/6kVA	5T	
Shenzhen	■ _{x2}						9k to 18GHz	150k to 3GHz	48V 3A	100-240V 16A	100-240V 16A	1T	
Taiwan	■ _{x2}						9k to 40GHz	150k to 3GHz	12-48V 30A	100-240V 25A	110-230V 25A	200kg	
Guangzhou	2 shield rooms for conducted emissions, power disturbance, magnetic emissions, and immunity tests										0-240V single phase 0-380V three phases	0-120V single phase	

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■_a. Full anechoic chamber used in Hong Kong for Immunity only

European EMC Capabilities

Location	Semi-anechoic Chambers			Emissions Test Sites (OATs)			Frequency Range		Electrical Power			Load
	3m	10m	30m	3m	10m	30m	Emissions	Immunity	DC	50Hz	60Hz	
Italy	■ _a			■	■		9kHz to 18GHz	150kHz to 4.2GHz	0-300V 16A, 0-80V 30A	240V-22A 320V-16A	240V-22A 320V-16A	1T
Finland	■						20 Hz to 26.5 GHz	10 kHz to 3 GHz	0-120V, 13A	100 – 690V, 63A	0-135V, 37A 135 – 270V, 18A	4T
Germany	■ _{x2}			■	■		9 kHz to 26.5 GHz	150 kHz to 4 GHz	0-150 V 50 A	0-440 V 130 A per phase	0-440 V 110A per phase	2T
Sweden	■	■		■	■		20Hz to 40GHz	10kHz to 18GHz	0-54V 200A	100-240V 63A	100-240V 16A	6T
UK	■ _{5m}			■	■		20Hz to 40GHz	20Hz to 18GHz	0-100V 200A	0-415V 150A per phase	0-110V 16A	3T

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a. Italy: full anechoic chamber