

Location	Immunity Chambers		Emissions Test Sites					Frequency Range		Electrical Power			Load
	3m	Reverb	3m	5m	Cispr 25	10m	30m	Emissions	Immunity	DC	50Hz	60Hz	
Boxborough, MA	1				1	1		20Hz-220GHz	2MHz-40GHz Up to 200 V/m	0-30V 100A 0-60V 50A	230V 400V 100A	120/208 100A 240V 16A 277/480V 100A	4T
Duluth, GA	1					1		20Hz-40GHz	10k-18GHz Up to 20 V/m	0-30V 120A 0-60V 50A 50V 100A	230V 50A 400V 50A	120/208/240V 60A 480V 60A	4T
Grand Rapids, MI	1	1 a	1		1			20Hz-40GHz	20Hz-18GHz Up to 200 V/m	0-400V 0-50A	230V 16A 400V 16A	120/208/240V 100A 277/480V 100A	1T
Lake Forest, CA	1		1					9k-40GHz	10k-2.7GHz Up to 10 V/m	24 and 48VDC 24A	230/400V 50A	120/208/240/480V 60A/per phase	4T
Lexington, KY	1					1		20Hz-40GHz	10k-18GHz Up to 10 V/m	48-54V 200A (Telco battery) 0-80V 125A	0-400V 30A/phase	0-400V 30A/phase 120V/208V 200A/phase 277V/480V 100A/phase	4T
Menlo Park, CA	1					2		20Hz-40GHz	10k-6GHz Up to 200 V/m	0-60V 200A	380V 230V 60A	120V 208V 480V 60A	4T
Oakdale, MN	1		1			1	1	9k-40GHz	10k-18GHz Up to 10 V/m	0-80VDC 32A	230/380/400V 60A	120/208/240/480V 60A/phase	Sheltered EMI and OATS – 8T Chamber – 4T
Plano, TX	1		1					9k-40GHz	10k-4GHz Up to 10 V/m	0-200VDC 100A 0-400VDC 50A	0-150V 200A 1-phase 0-300V 100A 1-phase 0-150V 60A 3-phase 0-300V 30A 3-phase 400V 50A 3-phase	0-150V 200A 1-phase 0-300V 100A 1-phase 0-150V 60A 3-phase 0-300V 30A 3-phase 480V 50A 3-phase	2T

Key ■ Semi-anechoic chamber ■ Fully anechoic chamber ■ Sheltered EMI site ■ Open Area Test Site (OATS) – must book in advance

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



Total Quality. Assured.

## Asia Pacific EMC Capabilities

Location	Immunity Chambers		Emissions Test Sites					Frequency Range		Electrical Power			Load
	3m	Reverb	3m	5m	Cispr 25	10m	30m	Emissions	Immunity	DC	50Hz	60Hz	
Hong Kong	1		2 1					9k-40GHz	9k-6GHz	24V	100-240V 13A / 10 KVA	100-240V 13A / 10 KVA	1000kg
Seoul Korea	1					1		9k-40GHz	10k-6GHz Up to 30 V/m	0-80V 100A	0-240V 1-phase 16A 0-400V 3-phase 32A	0-240V 1-phase 16A 0-400V 3-phase 32A	1500 kg
Shanghai, Caohejing	1		1					9k-26.5GHz	150k-6GHz	12-72V 100A	90-240V 1-phase 380V 3-phase 25A	90-240V 1-phase 380V 3-phase 25A	800kg
Shanghai, Jinqiao	1				3			9k-26.5GHz	80MHz-4GHz Up to 200V/m 1.2-1.4GHz Up to 600V/m	12-72V 100A	100-240V 25A	100-240V 25A	800kg
Shenzhen	1		1					9k-26.5GHz	150k-2.7GHz	80V 16A	100-240V 16A	100-240V 16A	1T
Taiwan	1		1			1		9kHz-40GHz	150k-3GHz Up to 10 V/m	Max.850V 75A	100-240V/35kVA 3-phase	100-240V/35kVA 3-phase	200kg
Guangzhou Yvshu	1				1			9k-26.5GHz	80MHz-4GHz Up to 200V/m 1.2-1.4GHz Up to 600V/m	12-72V 100A	100-240V 25A	100-240V 25A	800kg
Guangzhou	1		1					9k-40GHz	150k-6GHz	Max 600V/25A	100-240V/20kVA 60kVA 3-phase	100-240V/20kVA 60kVA 3-phase	2000kg
Mumbai	India has a pre-compliance facility for developmental testing							9k-30MHz	Pre-compliance only	16A/32A	f	f	200kg

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

f: Immunity: 0-300V, 16A for Single Phase and 0-480V, 32A for Three Phase  
Conducted Emissions: 0-250V, 16A for Single Phase and 0-415V, 63A for Three Phase



Total Quality. Assured.

## Japan EMC Capabilities

Location	Immunity Chambers		Emissions Test Sites					Frequency Range		Electrical Power			Load
	3m	Reverb	3m	5m	Cispr 25	10m	30m	Emissions	Immunity	DC	50Hz	60Hz	
Kashima Kamisu-shi Ibarki Japan			1			1		9k-40GHz	10k-18GHz		100-240V/20kVA	100-240V/6kVA	10T
Matsuda Kanagawa Japan	2		3			3		9k-40GHz	10k-18GHz		100-240V/15kVA	100-240V/15kVA	5T
Tatsuno Nagano Japan	1		2			2		9k-40GHz	150k-6GHz		100-240V/6kVA	100-240V/6kVA	1T
Kanuma Tochigi Japan	1		2			2		9k-40GHz	150k-6GHz		100-240V/6kVA	100-240V/6kVA	5T

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

## European EMC Capabilities

Location	Immunity Chambers		Emissions Test Sites					Frequency Range		Electrical Power			Load
	3m	Reverb	3m	5m	Cispr 25	10m	30m	Emissions	Immunity	DC	50Hz	60Hz	
Udine, Italy	1		1 1			1		9k to 18GHz	150k to 4.2GHz	0-230V 16A	230V/400V 32A	120V/208V/400V 32A	1T
Kaufbeuren, Germany	1		1		1	1		20Hz to 40GHz	100k to 6GHz	0-1500V 90A 0-80V 100A	230V/440V 200A per phase	0-440V 110A per phase	2T
Kista, Sweden	1	1 a	1 2			1		50Hz to 40GHz	80MHz-6GHz Up to 30V/m 10k-10GHz Up to 20V/m	0-54V 200A 0-125V 160A	100-240V/400V 63A	100-240V/400V 63A	6T
Leatherhead, UK	1			1	1			20Hz to 40GHz	20Hz to 18GHz	0-100V 200A	0-415V 150A per phase	0-110V 32A	3T

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

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