

**EMC Test Plan (per EN61326)****QMF 17o Issue 02****RN Electronics Ltd**

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**Please Fax or E-mail back to R.N. to agree the plan before commence of test**

- Please complete clearly for each item to be tested, the answers will be used within your report after testing
- Equipment under test (EUT) should be representative of production model.
- Please copy for each additional piece of equipment to be tested.

**A : Configuration of EUT during testing****1 Description**

to realistically simulate EMC conditions, the equipment assembly will represent a typical installation as specified by the manufacturer.

**2 Composition of EUT**

list of all devices, racks, modules, boards, etc. significant to EMC.

**3 Assembly of EUT(s) tested**

rationale for selection of configurations tested (all modules must be tested)

**4 I/O Ports**

Under Test:

Not Under

Test:

**5 Auxiliary Equipment**

provided for use with EUT or simulated:

**6 Cabling and earthing (grounding)**

cables and earth to be connected during tests

**B : Operation conditions of EUT during testing****7 Operation modes**

A selection of representative modes to be tested (for practical reasons not all functions). Specify estimated worst case mode for normal operation

**8 Environmental conditions**

temperature

humidity

pressure

voltage

(ac) frequency

**9 EUT software during test**

as required to simulate different modes for test

### EMC Test Plan (per EN61326)

**10 Immunity requirements**      tick as appropriate or state requirements in 'other'

Port	Phenomenon	Standard	basic requirements	industrial locations	controlled environments	other
Enclosure	Electrostatic Discharge (ESD)	61000-4-2	4kV contact / 4kV air <input type="checkbox"/>	4kV contact / 8kV air <input type="checkbox"/>	4kV contact / 8kV air <input type="checkbox"/>	
Enclosure	RF Field	61000-4-3	3 V/m <input type="checkbox"/>	10V/m <input type="checkbox"/>	1V/m <input type="checkbox"/>	
Enclosure	Magnetic field	61000-4-8	None <input type="checkbox"/>	30A/m <input type="checkbox"/>	None <input type="checkbox"/>	
AC power	Voltage dips	61000-4-11	0.5/1/25 cycles; 0/0/70% Voltage. <input type="checkbox"/>	1/10/25 cycles; 0/40/70% Voltage. <input type="checkbox"/>	0.5 cycle, each polarity 0% Voltage <input type="checkbox"/>	
AC power	Voltage interruptions	61000-4-11	250 cycles 0% Voltage. <input type="checkbox"/>	250 cycles 0% Voltage. <input type="checkbox"/>	None <input type="checkbox"/>	
AC power	Burst	61000-4-4	1kV <input type="checkbox"/>	2kV <input type="checkbox"/>	1kV <input type="checkbox"/>	
AC power	Surge	61000-4-5	0.5kV L-L, 1kV L-E <input type="checkbox"/>	1kV L-L, 2kV L-E <input type="checkbox"/>	0.5kV L-L, 1kV L-E <input type="checkbox"/>	
AC power	Conducted RF	61000-4-6	3V <input type="checkbox"/>	3V <input type="checkbox"/>	1V <input type="checkbox"/>	
DC power	Burst	61000-4-4	1kV <input type="checkbox"/>	2kV <input type="checkbox"/>	1kV <input type="checkbox"/>	
DC power	Surge	61000-4-5	0.5kV L-L, 1kV L-E <input type="checkbox"/>	1kV L-L, 2kV L-E <input type="checkbox"/>	None <input type="checkbox"/>	
DC power	Conducted RF	61000-4-6	3V <input type="checkbox"/>	3V <input type="checkbox"/>	1V <input type="checkbox"/>	
I/O signal / control	Burst	61000-4-4	0.5kV if > 3m <input type="checkbox"/>	1kV if > 3m <input type="checkbox"/>	0.5kV if > 3m <input type="checkbox"/>	
I/O signal / control	Surge	61000-4-5	1kV L-E if > 30m <input type="checkbox"/>	1kV L-E if >30m <input type="checkbox"/>	None <input type="checkbox"/>	
I/O signal / control	Conducted RF	61000-4-6	3V if > 3m <input type="checkbox"/>	3V if > 3m <input type="checkbox"/>	1V if > 3m <input type="checkbox"/>	
I/O connected to mains	Burst	61000-4-4	1kV <input type="checkbox"/>	2kV <input type="checkbox"/>	if > 3m per manufacturer specified (see other) <input type="checkbox"/>	
I/O connected to mains	Surge	61000-4-5	0.5kV L-L, 1kV L-E <input type="checkbox"/>	1kV L-L, 2kV L-E <input type="checkbox"/>	None <input type="checkbox"/>	
I/O connected to mains	Conducted RF	61000-4-6	3V <input type="checkbox"/>	3V <input type="checkbox"/>	if > 3m per manufacturer specified (see other) <input type="checkbox"/>	

**11 Emission requirements**

tick as appropriate

Class A   
(other than class B)

Class B   
(domestic and buildings with low voltage supply)

**EMC Test Plan (per EN61326)**

**12 Tests to be applied**

Any additional information needed for the practical implementation of the tests given above

**E : Customer Information**

Company	<input type="text"/>	Contact	<input type="text"/>
Address	<input type="text"/>	Tel	<input type="text"/>
		Fax	<input type="text"/>
		Email	<input type="text"/>
Postcode	<input type="text"/>	Country	<input type="text"/>
		PO#	<input type="text"/>
Signature	<input type="text"/>	Date	<input type="text"/>

Test Date  RN Job No

**Our Quotation is based on the information supplied to us. Incorrect information may lead to extra charges if insufficient time has been allocated to you.**