

Def Stan 59-411, Mil Std 461F and AECTP-500 (Ed4) - RTCA DO160 E, F & G Section 20

Def Stan 59 411 23rd January 2007, Amdt 1 - 31st Jan 2008		Ministry of Defence - Part 3, Issue 1, Amendment 1	Test Methods & Limits for Equipment & Sub Systems	Range
	DCE01	Conducted emissions	Primary power lines	20 Hz - 150 MHz
	DCE02	Conducted emissions	Control, signal lines & secondary power lines	20 Hz - 150 MHz
	DCE03	Conducted emissions	Exported transients, primary power lines	
	DCS01	Conducted susceptibility	Primary power lines	20 Hz - 50 kHz
	DCS02	Conducted susceptibility	Control, signal & power lines	50 kHz - 400 MHz
	DCS03	Conducted susceptibility	Control & signal lines	20 Hz - 50 kHz
	DCS10	Conducted susceptibility	Electro Static Discharge (ESD)	
	DRE01	Radiated Emissions	Electric (E) field	10 kHz - 18 GHz
	DRE02	Radiated Emissions	Magnetic (H) Field	20 Hz - 250 kHz
	DRS01	Radiated Susceptibility	Magnetic (H) Field	20 Hz - 100 kHz
	DRS02	Radiated Susceptibility	Electric (E) field	10 kHz - 18 GHz
	DRS02	Radiated Susceptibility	Electric (E) field Alternative Method using Reverberation Chamber	Air Services
	DRS03	Radiated Susceptibility	Magnetic field (DC) Susceptibility	

MIL STD 461F: 10th December 2007		Department of Defense		Range
	CE101	Conducted emissions	Power leads	30 Hz - 10 kHz
	CE102	Conducted emissions	Power leads	10 kHz - 10 MHz
	CE106	Conducted emissions	Antenna Terminal	10 kHz - 18 GHz
	CS101	Conducted susceptibility	Power leads	30 Hz - 150 kHz
	CS103	Conducted susceptibility	Antenna port, intermodulation	15 kHz - 10 GHz
	CS104	Conducted susceptibility	Antenna port, rejection of undesired signals	30 Hz - 18 GHz
	CS105	Conducted susceptibility	Antenna port, cross modulation	30 Hz - 18 GHz
	CS109	Conducted susceptibility	Structure current	60 Hz - 100 kHz
	CS114	Conducted susceptibility	Bulk cable injection	10 kHz - 200 MHz
	RE101	Radiated emissions	Magnetic field	30 Hz - 100 kHz
	RE102	Radiated emissions	Electric field	10 kHz - 18 GHz
	RE103	Radiated emissions	Antenna spurious & harmonic outputs	10 kHz - 18 GHz
	RS101	Radiated susceptibility	Magnetic field	30 Hz - 100 kHz
	RS103	Radiated susceptibility	Electric field	2 MHz - 18 GHz
	RS103	Radiated susceptibility	Reverberation Chamber	2 MHz - 18 GHz

AECTP-500 (Edition 4) January 2011		NATO - Electromagnetic Environmental Effects Tests & Verification		Range
	NCE01	Conducted emissions	Power Leads	30 Hz - 10 kHz
	NCE02	Conducted emissions	Power Leads	10 kHz - 10 MHz
	NCE03	Conducted emissions	Antenna terminal	10 kHz - 18 GHz
	NCE04	Conducted emissions	Exported transients on power leads	
	NCE05	Conducted emissions	Power, signal & control leads	30 Hz - 150 MHz
	NCS01	Conducted susceptibility	Power Leads	30 Hz - 150 kHz
	NCS02	Conducted susceptibility	Control & signal leads	30 Hz - 50 kHz
	NCS03	Conducted susceptibility	Antenna port, intermodulation	15 kHz - 10 GHz
	NCS04	Conducted susceptibility	Antenna port rejection of undesired signals	30 Hz - 18 GHz
	NCS05	Conducted susceptibility	Antenna port, cross modulation	30 Hz - 18 GHz
	NCS06	Conducted susceptibility	Structure current	60 Hz - 100 kHz
	NCS07	Conducted susceptibility	Bulk cable injection	10 kHz - 200 MHz
	NCS12	Conducted susceptibility	Electrostatic Discharge	
	NRE01	Radiated Emissions	Magnetic field	30 Hz - 100 kHz
	NRE02	Radiated Emissions	Electric field	10 kHz - 18 GHz
	NRE03	Radiated Emissions	Antenna spurious & harmonic outputs	10 kHz - 18 GHz
	NRS01	Radiated Susceptibility	Magnetic fields	30 Hz - 100 kHz
	NRS02	Radiated Susceptibility	Electric field	50 kHz - 18 GHz
	NRS04	Radiated Susceptibility	Magnetic field susceptibility (DC)	

RTCA DO160 E, F & G		Environmental Conditions & Test Procedures for Airborne Equipment		Range
	Section 20	Radiated Susceptibility	Reverberation Chamber	100 MHz - 18 GHz Cat S & T