



# Mil-Std-461E Radiated Testing Matrix

## Susceptibility

### Requirement Matrix

	S u r f a c e	S u b m a r i n e s	A i r c r a f t	A i r c r a f t	A i r c r a f t	S p a c e	G r o u n d	G r o u n d	G r o u n d
	S h i p s		A r m y	N a v y	A i r F o r c e	S y s t e m s	A r m y	N a v y	A i r F o r c e
RS101 Magnetic Field; 30 Hz-100 kHz	A	A	A	L			L	A	
RS103 Electric Field; 2 MHz-40 GHz	A	A	A	A	A	A	A	A	A
RS105 Transient Electromagnetic Field	L	L	L	L				L	

## Emissions

### Requirement Matrix

	S u r f a c e	S u b m a r i n e s	A i r c r a f t	A i r c r a f t	A i r c r a f t	S p a c e	G r o u n d	G r o u n d	G r o u n d
	S h i p s		A r m y	N a v y	A i r F o r c e	S y s t e m s	A r m y	N a v y	A i r F o r c e
RE101 Magnetic Field; 30 Hz-100 kHz	A	A	A	L					
RE102 Electric Field; 10 kHz-18 GHz	A	A	A	A	A	A	A	A	A
RE103 Antenna Spurious & Harmonic Outputs; 10 kHz-40 GHz	L	L	L	L	L	L	L	L	L

**Legend:**

A: Applicable

L: Limited as specified in the individual sections of this standard

S: Procuring activity must specify in procurement documentation

(1): Including flight line

(2): Including launch vehicles



Mil-Std-461E Conducted Testing Matrix

Susceptibility

Requirement Matrix

	S u r f a c e	S u b m a r i n e s	A i r c r a f t	A i r c r a f t	A i r c r a f t	S p a c e	G r o u n d	G r o u n d	G r o u n d
	S h i p s		A r m y	N a v y	A i r F o r c e	S y s t e m s	A r m y	N a v y	A i r F o r c e
CS101 Power Leads; 30 Hz - 150kHz	A	A	A	A	A	A	A	A	A
CS103 Intermodulation; 15 kHz-10 GHz	S	S	S	S	S	S	S	S	S
CS104 Rejection Unwanted Sig.; 30 Hz-20 GHz	S	S	S	S	S	S	S	S	S
CS105 Cross Mod; 30 Hz-20 GHz	S	S	S	S	S	S	S	S	S
CS109 Spike; 60 Hz - 100 kHz		L							
CS114 Bulk Cable Injection; 10 kHz-200 MHz	A	A	A	A	A	A	A	A	A
CS115 Bulk Cable Injection; Impulse Excitation	L	L	A	A	A	A	A	A	A
CS116 Damped Sinusoidal Transients; 10 kHz-100 MHz	A	A	A	A	A	A	A	A	A

Emissions

Requirement Matrix

	S u r f a c e	S u b m a r i n e s	A i r c r a f t	A i r c r a f t	A i r c r a f t	S p a c e	G r o u n d	G r o u n d	G r o u n d
	S h i p s		A r m y	N a v y	A i r F o r c e	S y s t e m s	A r m y	N a v y	A i r F o r c e
CE101 Power Leads; 30 Hz-10 kHz		A	A	L					
CE102 Power Leads; 10 kHz-10 MHz	A	A	A	A	A	A	A	A	A
CE106 Antenna Terminal; 10 kHz-40 GHz	L	L	L	L	L	L	L	L	L

D.L.S. has the following:  
 Rooms 36 by 25 by 20 feet high  
 Power up to 100 Amp 3φ  
 Air Flow up to 13,000 cfm  
 200V/m 10kHz to 18GHz  
 600V/m pulsed .4 to 18GHz  
 Sound Limiting Rooms