

Requirement Number	General Requirements	Applicability
4.1	Units and Subsystems	A
4.1c10	Requirements: Secondary power	P
4.1d6	Verification: modes of operation	P
4.1e1	Tailoring: Limits	P
4.1e2	Tailoring: Secondary Power	P
4.2	Vehicles	A
4.2c6	Requirements: Secondary power	P
4.2e1	Tailoring: Limits	P
4.2e2	Tailoring: Secondary Power	P
4.3	EMISMs	A
4.4	Service Life	A

Requirement Number	Title	Applicability
5	wDetailed Requirements Ground Units and Subsystems	
5.1	Ground Support Equipment	A
5.1e	Tailoring: RFI Environments	

Requirement Number	Title	Applicability
6	Detailed Requirements Space and Launch Units and Subsystems	A

Requirement Number	POWER LINE CONDUCTED EMISSIONS, SPACE EQUIPMENT	Applicability
6.01	Conducted Emissions, Power and Command/Control Lines 30Hz-50MHz CE101/102A	A
6.01c2	Requirement: Frequency range extension 0.1Hz-30Hz	P
6.01c3	Requirement: Frequency range extension 50MHz-400MHz	P
6.01c4	Requirement: Frequency range extension 50MHz-1GHz	P
6.01d2	Verification: Frequency range extensions	X
6.01d3	Tailoring: Operational voltages, minimum and maximum	P
6.03	Conducted Emissions, Common Mode to Structure, Frequency Domain, 30Hz- 50MHz	P
6.03c2	Requirement: Frequency range extension 0.1Hz-30Hz	P
6.03c3	Requirement: Frequency range extension 50MHz-400MHz	P
6.03d3	Verification: Frequency range extensions	X
6.03e	Tailoring: Exemptions	P
6.04	Conducted Emissions, Common Mode to Structure, Time Domain	P
6.04e	Tailoring: Exemptions	P
6.06	Conducted Emissions, Ripple and Periodic Transients Power and Command/Control Lines (TBD)	A
6.06c2	Requirement: High BW ripple	P
6.06d3	Verification: Operational voltages, minimum and maximum	P
6.07	Conducted Emissions, Short-Duration Aperiodic Transients, Power and Command/Control Lines (CE07)	A
6.08	Conducted Emissions, Inrush Current, Power and Command/Control Lines	A
6.08e1	Tailoring: Soft Start	P

Requirement Number	POWER LINE CONDUCTED SUSCEPTIBILITY, SPACE EQUIPMENT	Applicability
6.10	Conducted Susceptibility, Power and Command/Control Lines, 30Hz to 150kHz (CS101)	A
6.10c3	Requirement: Frequency range extension 0.1Hz-30Hz	P
6.10d3	Verification: Frequency range extension	X
6.11	Conducted Susceptibility Power and Command/Control Lines, 150kHz-50MHz (CS02)	A
6.11c2	Requirement: Frequency range extension 50MHz-400MHz	P
6.11c3	Requirement: Frequency range extension 50MHz-1GHz	P
6.11d2	Verification: Frequency range extensions	X
6.11d3	Verification: Operational voltages, minimum and maximum	P
6.12	Conducted Susceptibility, Short-Duration High-Level Aperiodic Transients, Power and Command/Control Lines (CS06)	A
6.12d2	Verification: Unit operational voltages, minimum and maximum	P
6.13	Conducted Susceptibility, Aperiodic Surges, Operate Through, Power and Command/Control Lines	A
6.14	Conducted Susceptibility, Aperiodic Surges Survival and Outrush Current, Power and Command/Control Lines	A
6.16	Conducted Susceptibility, Ground Plane Injection, 30Hz-150kHz	P
6.17	Conducted Susceptibility, Ground Plane Injection, 150kHz-100MHz	P
6.18	Conducted Susceptibility, Ground Plane Injection, Transient	P

Requirement Number	ANTENNA INTERFACES AND RADIATED INTERFACES, SPACE EQUIPMENT	Applicability
6.21	Conducted Susceptibility, Antenna Port, Intermodulation, 15kHz-40GHz (CS103)	L
6.22	Conducted Susceptibility, Antenna Port, Rejection of Undesired Signals, 30Hz-40GHz (CS104)	L
6.23	Conducted Susceptibility, Antenna Port, Cross Modulation, 30Hz-40GHz (CS105)	L
6.24	Radiated Emissions, Electric Field, 14kHz-18GHz (RE102)	A
6.24c2	Requirement: Frequency range extension 20Hz-14kHz	P
6.24c3	Requirement: Frequency range extension 18GHz-100GHz	P
6.24d2	Verification: Extended frequency range 20Hz-14kHz	X
6.24d3	Verification: Extended frequency range 18GHz-100GHz	X
6.24d5	Verification: Alternate receiver notch test methods	P
6.24d10	Verification: Power line noise injection	P
6.24e1	Tailoring: Receiver notches	P
6.24e2	Tailoring: Bandwidth correction factors	P
6.24e3	Tailoring: Scans above 18GHz	P
6.24e4	Tailoring: Power line noise injection	P
6.25	Conducted Emissions, Antenna Terminal, 10kHz-100GHz (CE106)	L
6.25e	Tailoring: Scans above 40GHz	P
6.26	Radiated Emissions, (Transmitter) Antenna Spurious and Harmonic Outputs, 10kHz-100GHz (RE103)	L
6.26c2	Requirement: Transmitters testable to Requirement 6.25(CE106)	P
6.26e2	Tailoring: Scans above 40GHz	P
6.27	Radiated Susceptibility, Electric Field, 10kHz-40GHz (RS103)	A
6.27c3	Requirement: Equipment survival	P
6.27c5	Requirement: Frequency range extension 40GHz-100GHz, external sources	P
6.27c7	Requirement: Antenna-connected equipment LNAs, survival	P
6.27c9	Requirement: Antenna-connected equipment passbands, survival	P
6.27e1	Tailoring: Frequency range over 100GHz	P
6.27e3	Tailoring: Reduced levels	P
6.27e4	Tailoring: Receivers	P
6.27e5	Tailoring: High power microwave (HPM)	P
6.28	Conducted Susceptibility, Antenna Port Direct Injection (RS103alt)	L
6.29	Radiated Susceptibility, Wideband (TBD)	

Requirement Number	CABLE BUNDLE INTERFACES AND MAGNETICS, SPACE EQUIPMENT	Applicability
6.30	Conducted Susceptibility, Bulk Cable Injection, 10kHz-200MHz (CS114)	A
6.30c2	Requirement: Frequency range extension 200MHz-400MHz	P
6.30d2	Verification: Frequency range extension	X
6.30e	Tailoring: Shielded cables	P
6.31	Conducted Susceptibility, Bulk Cable Injection, Impulse Excitation (CS115)	A
6.31e	Tailoring: Shielded cables	P
6.32	Conducted Susceptibility, Damped Sinusoidal Transients, Cables and Power Leads, 10kHz-100MHz (CS116)	A
6.32d2	Verification: Power off	P
6.32e	Tailoring: Shielded cables	P
6.33	Radiated Emissions, (AC) Magnetic Field, 30Hz-100kHz (RE101)	A
6.33c2	Requirement: Frequency range extension 0.1Hz-30Hz	P
6.33d2	Verification: Frequency range extension 0.1Hz-30Hz	X
6.34	Radiated Emissions, DC Magnetic Field	P
6.35	Radiated Emissions, DC Magnetic Dipole Moment	P
6.36	Radiated Susceptibility, (AC) Magnetic Field, 30Hz-100kHz (RS101)	A
6.36c2	Requirement: Frequency range extension 0.1Hz-30Hz	P
6.36d2	Verification: Frequency range extension 0.1Hz-30Hz	X
6.37	Radiated Susceptibility, Magnetic and Electric (Induction) Fields, Spikes and Power Frequencies (RS02)	A
6.37c2	Requirement: Power frequency	L

Requirement Number	PASSIVE INTERMODULATION AND ENVIRONMENTS, SPACE EQUIPMENT	Applicability
6.40	Passive Intermodulation (PIM), General	A
6.40e2	Tailoring: Test frequencies	P
6.40e3	Tailoring: RF-shielded vehicle structure	P
6.41	Passive Intermodulation (PIM), Conducted RF Paths to RF Interfaces	A
6.41e2	Tailoring: Test frequencies	P
6.42	Electrostatic Discharge (ESD), Surface Materials	A
6.42e	Tailoring	P
6.43	Electrostatic Discharge (ESD), Susceptibility	A
6.44	Bulk Charging (TBD)	P
6.45	EMP (RS105), Space and Launch Units and Subsystems	P
6.46	Multipaction	L
6.47	Corona (TBD)	P
6.48	Lightning	P

Requirement Number	POWER ISOLATION AND GROUNDING, SPACE EQUIPMENT	Applicability
6.51	Power Isolation and Grounding	A
6.51e1	Tailoring: Power return on vehicle structure	P
6.51e2	Tailoring: Secondary power referencing	P

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7	DETAILED REQUIREMENTS, SPACE VEHICLES	
7.1	Vehicle EMC	A
7.1d7	Verification: Self-compatibility and EMISMs, PIM	P
7.1d8	Verification: Conducted emissions and EMISMs, with external RFI (RS103)	P
7.1d9	Verification: PIM and EMISMs, w/ external RFI (RS103)	P
7.1d10	Verification: Secondary power	P
7.1e3	Tailoring: PIM	P
7.1e5	Tailoring: Reduced e-field emissions (RE102) frequency ranges	P
7.1e8	Tailoring: Equipment deployment	P
7.1e9	Tailoring: Combining tests	P
7.1e10	Tailoring: Secondary power	P
7.1e11	Tailoring: Unit-level test methods	P
7.3	Vehicle Passive Intermodulation (PIM)	A
7.3e1	Tailoring: Exemption	P
7.3e2	Tailoring: Test frequencies	P
7.3e3	Tailoring: RF-shielded vehicle structure	P
7.4	Vehicle Triboelectric Charging	A
7.5	Vehicle EMP (TBD)	P
7.6	Vehicle Lightning (TBD)	P
7.7	Vehicle Bonding	A
7.8	Vehicle Bonding	P