

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Test conditions	1
5 Test location	2
6 Test instrumentation	2
6.1 General	2
6.2 Simulated portable transmitters	2
6.2.1 General	2
6.2.2 Dual directional coupler	3
6.2.3 Power monitoring	3
6.2.4 Low loss coaxial cable	4
6.2.5 Vector network analyser (VNA)	4
6.2.6 Transmit antenna	4
6.2.7 Stimulation and monitoring of the DUT	5
7 Test set-up	5
7.1 Ground plane	5
7.2 LV power supply system	5
7.3 HV power supply system	6
7.4 Location of the DUT	6
7.5 Location of the test harness	7
7.6 Location of the load simulator	7
7.7 Location of the simulated portable transmitter equipment	7
8 Test procedure	17
8.1 General	17
8.2 Test plan	17
8.3 Test procedure	17
8.3.1 General	17
8.3.2 DUT test	18
8.3.3 Antenna positioning for coupling to the DUT/connectors	21
8.3.4 Antenna positioning for coupling to harness	26
8.4 Test report	36
Annex A (normative) Net power characterization procedure	37
Annex B (informative) Typical characteristics and use of portable transmitters	48
Annex C (informative) Characteristics of simulated portable transmitter antenna	51
Annex D (informative) Function performance status classification (FPSC)	73
Annex E (informative) Remote/local grounding	74
Annex F (informative) Broadband noise source by AWG (arbitrary waveform generator)	76