

# NSG 4070 APPLICATION NOTE RADIATED IMMUNITY WITH STRIP LINE SL 50

## Test requirements

|                    |                                 |
|--------------------|---------------------------------|
| Standards applied: | ISO 11452-5                     |
| Frequency range:   | (10 MHz) 30 to 1000 MHz         |
| Level X:           | 360 V/m                         |
| Modulation:        | AM PC, 1 kHz, 80% (ISO 11452-1) |

## Equipment

|                         |  |
|-------------------------|--|
| Strip line:             | SL 50 (50 $\Omega$ , septum height 150 mm) |
| Signal generator:       | NSG 4070-0                                 |
| Power meter:            | NSG 4070-0                                 |
| Directional coupler:    | DCP 0100A                                  |
| Power amplifier:        | CBA 1G-070<br>(10 MHz - 1 GHz, 70 Watts)   |
| Termination:            | 50 $\Omega$ , 100 Watts                    |
| Software:               | C3I or GTEM3I                              |
| Highest field strength: | approx. 360 V/m (typical)                  |
| Field probe:            | e.g. HI 6105                               |

## Test set-up

