

NSG 4070 APPLICATION NOTE RADIATED IMMUNITY WITH GTEM 750

Test requirements

Standards applied:	IEC 61000-4-20
Frequency range:	(100 kHz) 30 to 1000 MHz
Level 1:	1 V/m
Level 2:	3 V/m
Level 3:	10 V/m
Modulation:	AM, 1 kHz, 80%

Equipment

Signal generator:	NSG 4070-0
Power meter:	NSG 4070-0
Directional coupler:	DCP 0100A
Power amplifier:	CBA 9479 (100 kHz - 1 GHz 18/15 Watts)
Software:	C3I or GTEM3I
Lowest forward power:	15 dBm*
Lowest field strength:	1 V/m at 600 mm septum height*
Highest forward power:	41 dBm*
Highest field strength:	approx. 18 V/m at 600 mm septum height*
Field probe:	e.g. HI 6005
*Note: Values caused by measuring range of the power meter, factor of the directional coupler, gain of the power amplifier and AM with 80%	

Test set-up

