

NSG 4070 APPLICATION NOTE RADIATED IMMUNITY WITH GTEM 750

Test requirements

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| 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

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|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| 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

