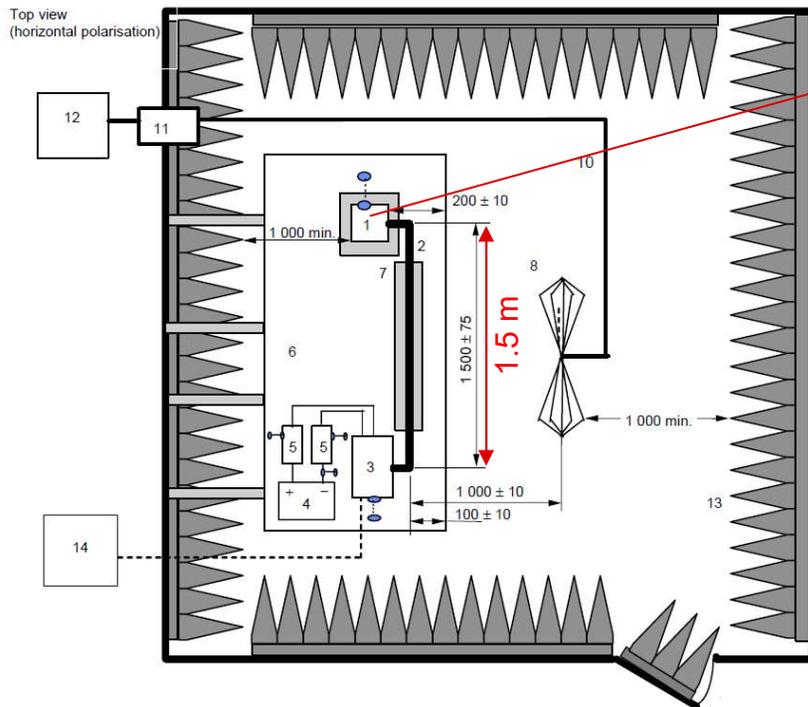
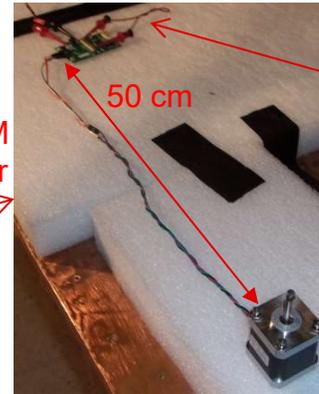


# DRV8889-Q1 CISPR-25

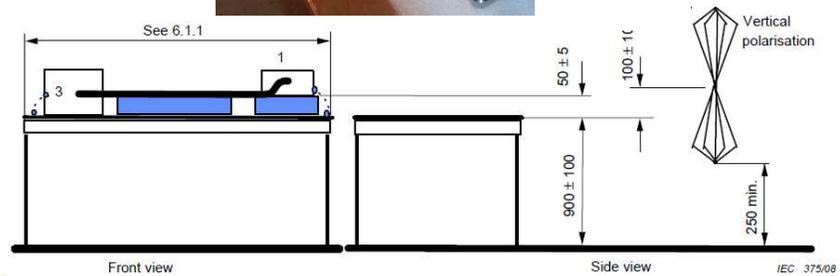
# Test Setup, CISPR-25



DRV8889-Q1EVM and stepper motor under test



This jumper wire was removed for the following test data



**Key**

- 1 EUT (grounded locally if required in test plan)
- 2 Test harness
- 3 Load simulator (placement and ground connection according to 6.4.2.5)
- 4 Power supply (location optional)
- 5 Artificial network (AN)
- 6 Ground plane (bonded to shielded enclosure)
- 7 Low relative permittivity support ( $\epsilon_r \leq 1,4$ )
- 8 Biconical antenna
- 10 High-quality coaxial cable e.g. double-shielded (50  $\Omega$ )
- 11 Bulkhead connector
- 12 Measuring instrument
- 13 RF absorber material
- 14 Stimulation and monitoring system

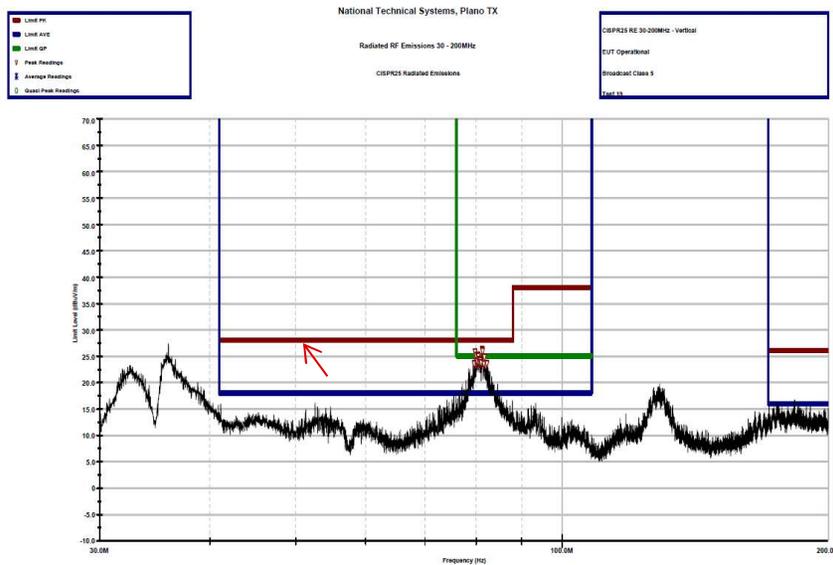
Figure 13 – Example of test set-up – biconical antenna

# 30 MHz - 200 MHz

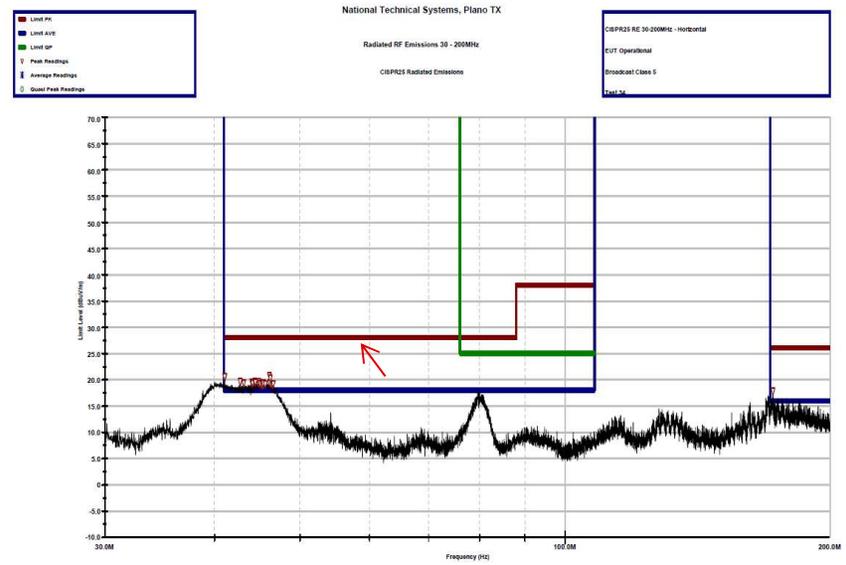
TOFF	Slew Rate	Microstepping	Decay Mode	Driving condition	Instructions
32 us	50 V/us	Full Stepping	Dynamic Decay	1000 PPS, IFS = 1 A	* Motor on OUT pins * VM = 12 V

The red line is the CISPR-25 limit for this test condition since the data is taken as a peak scan

## Vertical



## Horizontal

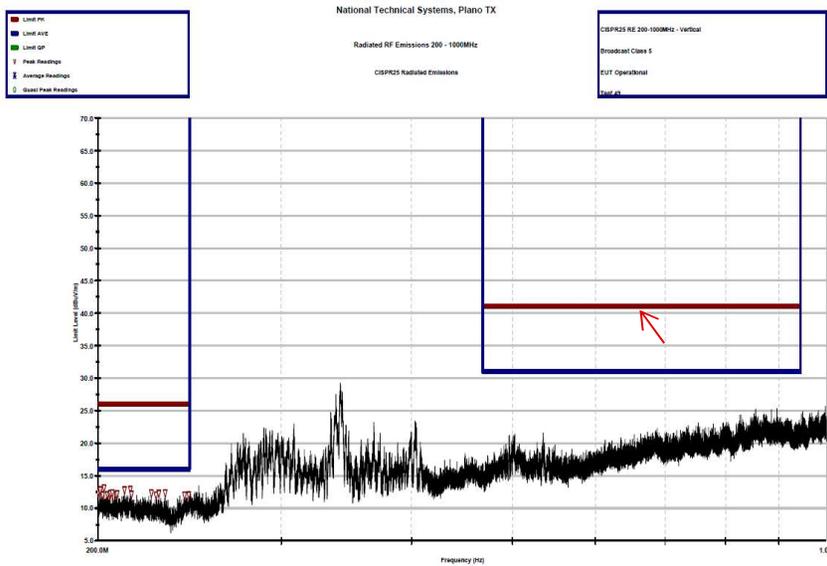


# 200 MHz - 1000 MHz

TOFF	Slew Rate	Microstepping	Decay Mode	Driving condition	Instructions
32 us	50 V/us	Full Stepping	Dynamic Decay	1000 PPS, IFS = 1 A	* Motor on OUT pins * VM = 12 V

The red line is the CISPR-25 limit for this test condition since the data is taken as a peak scan

## Vertical



## Horizontal

