

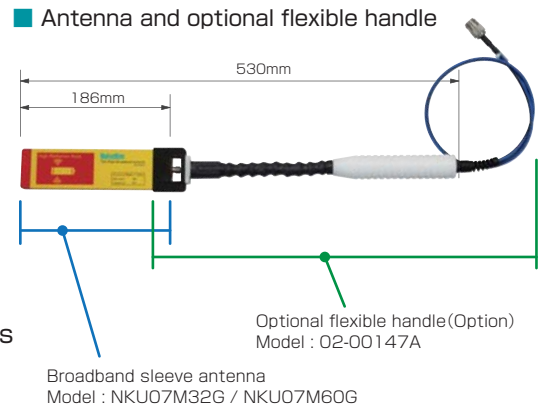
Model : NKU07M32G / NKU07M60G

Broadband Sleeve Antenna

Patent application no.2014-009288

Broadband sleeve antenna has been developed for efficient immunity testing against hand-held transmitters and cellular phones. Many pieces of spot frequency antennas had to be used in turn thus far. This new Broadband sleeve antenna is a single antenna solution eliminating the need for antenna changes and dramatically reducing the test time. Furthermore, this antenna with its small-size and lightweight properties and a flexible handle is suitable for testing in narrow spaces.

- A wide frequency range eliminating the need for antenna changes
- 30W maximum power input allows high field strengths
- High efficiency due to a low VSWR and high gain
- Suitable for broadband digital modulation thanks to a good VSWR flatness
- Small, light-weight and flat antenna easy to use in narrow spaces
- Easy handling with a flexible arm
- A wide radiation pattern makes directivity of the fields no longer an issue

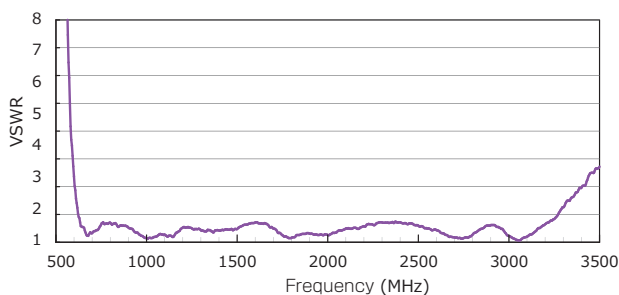


Antenna storage case Model 09-00008A

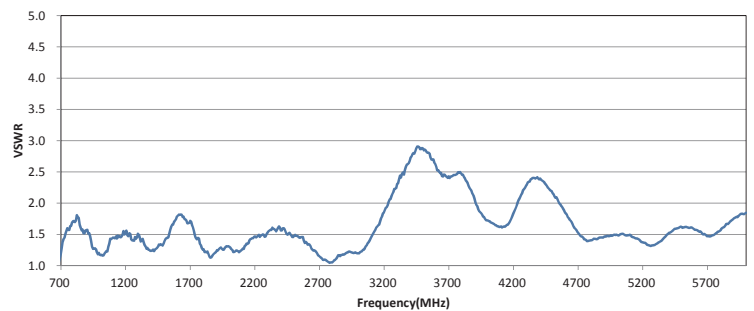
Specifications

Model	NKU07M32G	NKU07M60G
Frequency range	700MHz~3.2GHz	700MHz~6.0GHz
VSWR	≤2	≤2(0.7~3.2 GHz) , ≤3 (3.2~6 GHz)
Gain	2.15dBi(typ)	
Maximum power input	30W (continuous 10 minutes)	30W (continuous 10 minutes), 3.2~6 GHz : 15 W (continuous)
Input impedance	50Ω	
Connector	SMA(J)	
Dimensions / weight	186 mm length, 50 mm width, 8 mm thickness (projection excluded) / 73.5 grams (antenna only) 530 mm length with a flexible handle attached (cable excluded)	

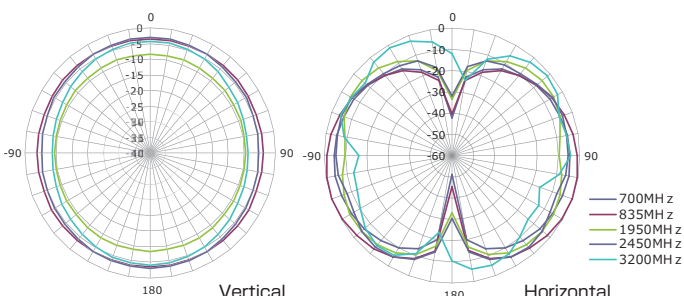
■ VSWR characteristics(NKU07M32G)



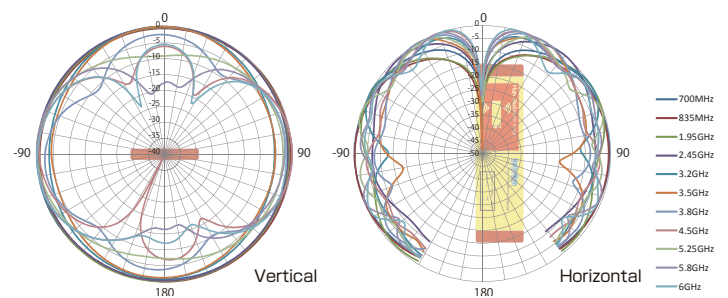
■ VSWR characteristics(NKU07M60G)



■ Radiation pattern(NKU07M32G)

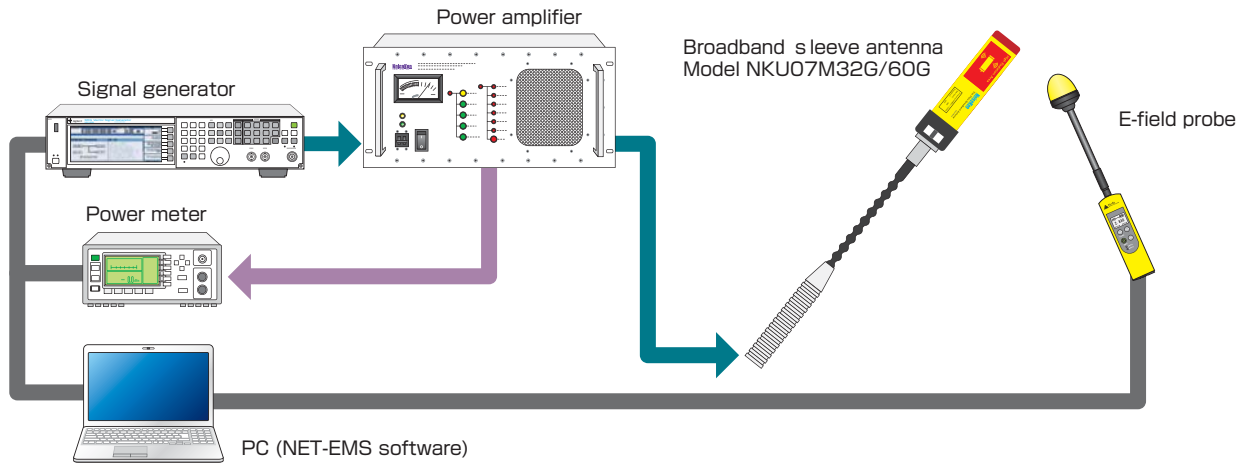


■ Radiation pattern(NKU07M60G)



Broadband Sleeve Antenna

System configuration example

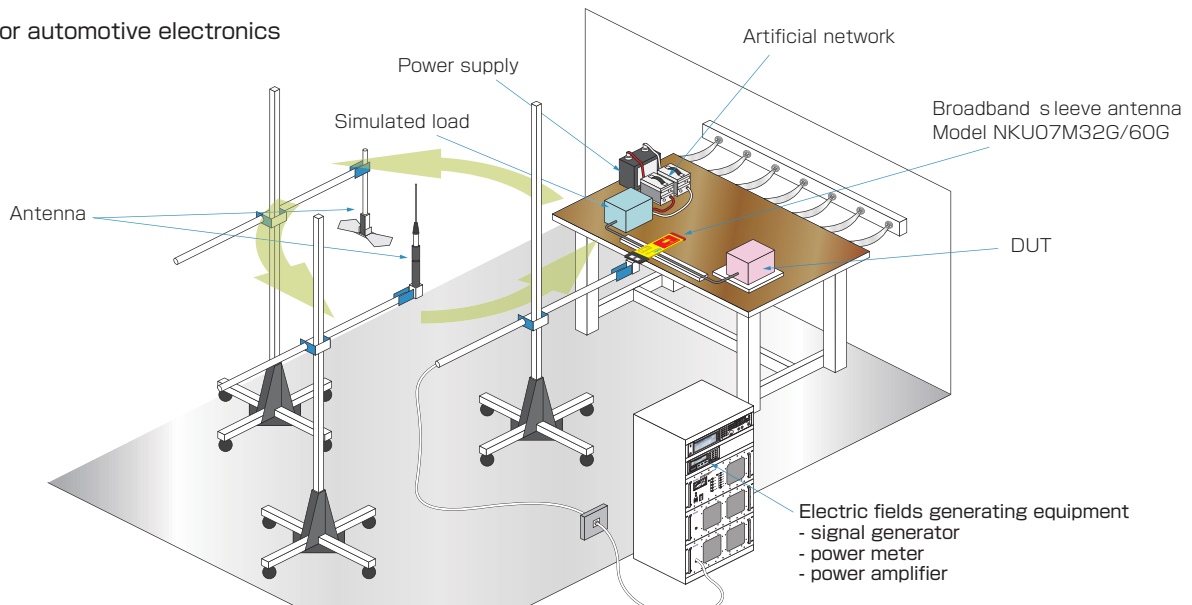


Application

In-vehicle testing



Testing for automotive electronics



* Designs, appearances and specifications on the products are subject change without notice.