

Active biconical broadband antenna

OBC-20M-30-A

Every antenna goes through rigorous testing in our laboratories before dispatch and is equipped with a high quality rubber paint which offers protection against mechanical damage and environmental influence, a top-quality integrated tripod connection and a SMA connector.

All antennas include a complete high resolution (10MHz or even 5MHz steps!) calibration data set with an unmatched number of calibration points (on CD). This offers the ability to make a very accurate EMC measurement with any Spectrum Analyzer.

This guarantees highest standard so that we can offer every customer a full 10 years warranty for all EC antennas.



Features

Excellent cost effective choice for low frequency measurements down to 50MHz

Typical standard calibration data (on CD)

Coverage of various mobile radio frequency ranges

Suitable for field-strength and EMC measurements due to high precision

Compact design

Can be used in the lab and for open-field application

Applications

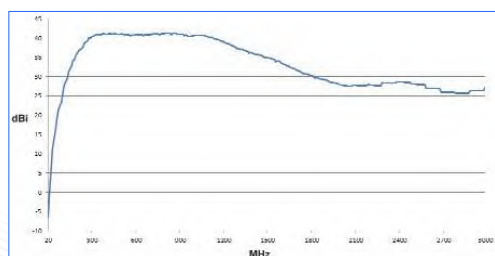
Radio & TV	GSM900	WLAN	Pre-Compliance-Test
Tetra/BOS	GSM1800	Microwave	
ISM434	GSM1900	Bluetooth	
LTE800	DECT	WiFi	
ISM868	UMTS	LTE2.6	

Electrical Specifications

Frequency Range(GHz)	0.02 - 3
Nominal impedance	50 Ohm
Max. Output power	100mW AM
Gain	-5dBi-41dBi
RF connection	SMA (f) or N (see optional adapter)
Tripod connection	1/4"
Calibration points	296 (5MHz and 10MHz-steps)
Dimensions (L/W/D)	350x160x140mm
Weight	500gr



Gain Diagram





Recommended accessories for Antennas

Heavy multifunctional Pistol Grip (strongly recommended!)

Highly recommend for the usage of our active antennas. Quick and easy change of antenna polarization, perfect antenna handling



SMA Cable (1-10m)

1m / 5m / 10m SMA-Cable

High quality special SMA cable for connecting any Antenna or EC-Antenna with various test equipment like our RF Spectrum-Analyzer. You can choose between 3 different cables:

1m standard SMA cable (RG316U)
5m LowLoss SMA cable (especially low damping)
10m LowLoss SMA cable (especially low damping)

All versions: SMA plug (male) / SMA plug (male)



SMA to N Adapter

SMA to N Adapter

This special high quality adapter allows operation of all EC-Antenna with any standard spectrum-analyzer with N connector. Also this adapter is needed to connect EC antennas to a SPECTRAN Spectrum Analyzer.

Especially massive, chrome-plated design. This adapter is usable for very high frequencies up to at least 18GHz. Physical dimensions are just 30x20mm. Nominal impedance 50 Ohms. Layout: SMA socket (female) / Nplug (male).



Pistol grip / miniature tripod

Detachable handle with super-practical miniature tripod mode: this handle is attachable to the backside of the unit and allows optimal handling and even fixed installation of the unit. Strongly recommended for PC use!