


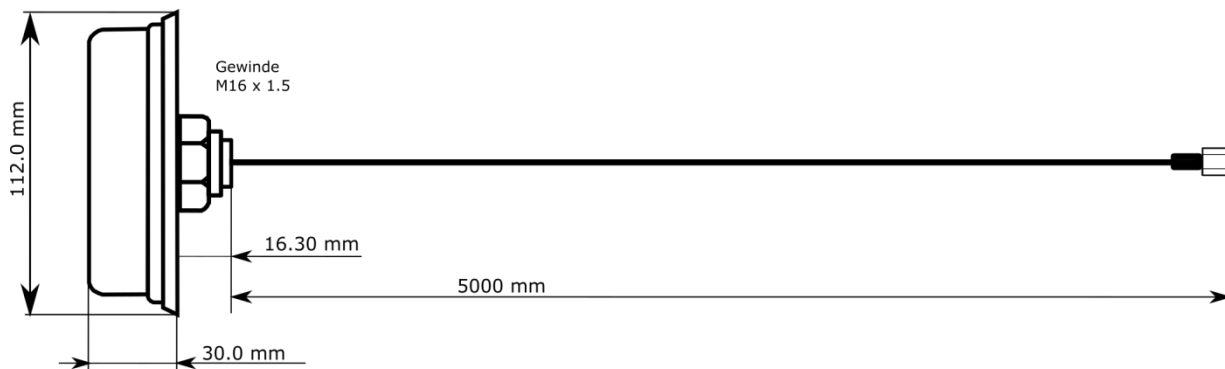
# GS-ANT-K-LTE-14-003



Technical Data			
MIMO - Roof mount LTE – antenna/ multiband / 2G,3G & 4G			
<ul style="list-style-type: none"> <li>• GSM 800/850/900/1800 MHz</li> <li>• 1900 / 2100 MHz UMTS</li> <li>• LTE Band 1,2,3,4,5,8,25,26 + Band 7+20</li> <li>• GNSS: GPS / GLONASS / GALILEO, high gain</li> </ul>			
<b>GSM/UMTS/LTE</b>	Frequency Range	800,850,900,1800,1900 + 2100 + 2600MHz	
	VSWR*	< 2.0 typ.	
	Peak gain*	700 MHz	- 9 dBi typ.
		800 MHz	±0 dBi typ.
		900 MHz	+3 dBi typ.
		1800 MHz	+3 dBi typ.
		2100 MHz	+1 dBi typ.
		2600 MHz	+2 dBi typ.
	Power max.	10 W	
	Diagnostic resistor	10 kΩ	
<b>GNSS</b>	Frequency Range	1574.42 bis 1609 MHz	
	VSWR*	1.5 typ.	
	Peak gain*	25 dBi typ.	
	Power	3 V .. 5 V , 11.5 mA typ.	
	VDD max.	+ 6 VDC	
	Input signal max.	-15 dBm	
	Current max.	13 mA	

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Mechanical Data		
	Dimensions (∅xH)	ca. 112 mm x 30 mm
	Weight	ca. 350 g
	Cable	GSM: 2 x 5m Super LowLoss, GNSS: 1 x 5m RG174
	Connector	GSM: 2 x SMA (m) GNSS: 1 x SMA (m)  Others connector on request
	Temperature range	-40°C .. +85°C
	Roof mount	
	Waterproof TÜV passed: IP69K (mounted)	
	RoHS compliant, REACH conform, ECE-R118 compliant	
* Measured with 0.6m cable on 300x300mm ground plane		

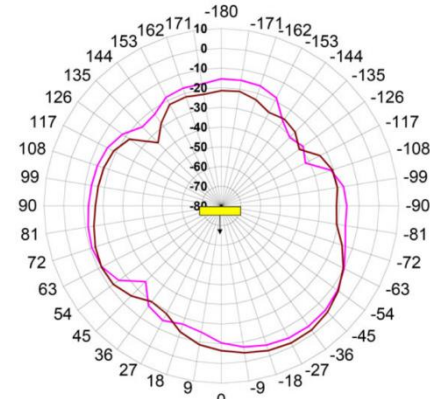
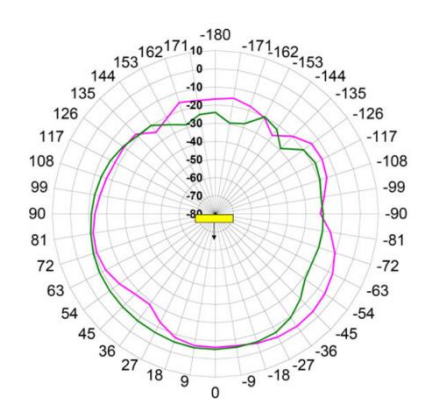
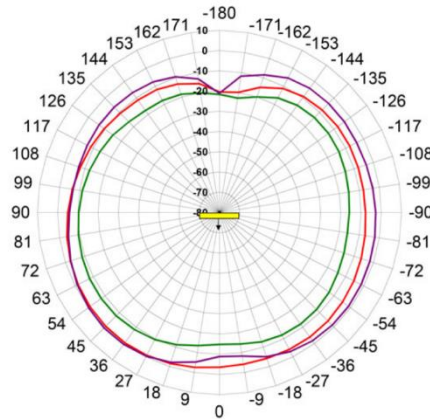
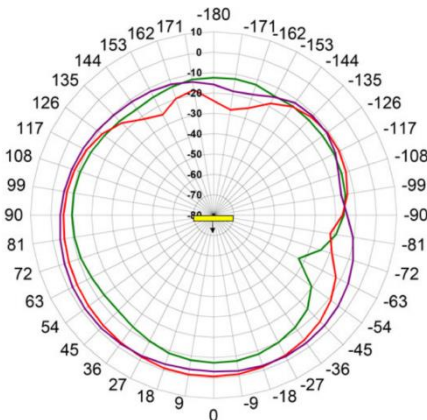
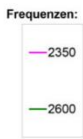
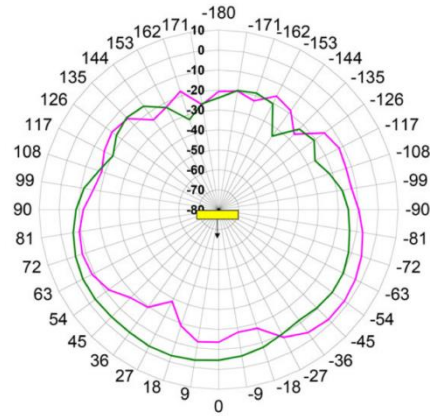
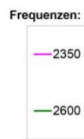
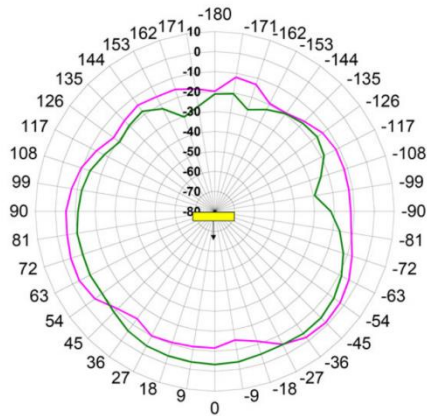


## Mounting instructions:

- Mounting plate integrated into antenna, no additional plate necessary.
- Mount on clean, plain, stainless surface
- Mounting hole: ∅ 16.2 mm (+2 mm / -0 mm)
- Max torque on screw (M16): 4 Nm min., 6 Nm max.

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Radiation diagram (typ.)\*



\* measured with 0.6m cable on a ground plane of 300mm x 300mm