WLE1055C Multiband Omni-Antenna with GPS Patch

- For train applications
- Multiband structure: linear polarized
- Nominal +3dBi gain
- N or TNC connector interfaces
- Kathrein standard socket compatible

	Item		Value	Unit
Technical specifications	Operating frequency bands multiband section	TX or RX	790 to 1000	MHz
			1710 to 2700	MHz
			3500 to 3700 *)	MHz
			4200 to 6000 *)	MHz
	Gain multiband section	min.	3.0	dBi
	Vertical beam width multiband section	3dB points	> 30	°
	Return loss multiband section and GPS	min.	-12	dB
		typical	-14 or better	dB
	Impedance multiband section and GPS		50	Ohm
	Power rating multiband section	max.	20	W
	Polarization multiband section		linear vertical	
	Antenna connector multiband section	Standard configuration	N(f)	
	Operating frequency bands GPS section		1575.42 +/-1	MHz
	Gain GPS section	min.	5	dBi
	Vertical beam width GPS section	6dB points	> 120	°
	Power rating GPS section	max.	5	W
	Polarization GPS section		RHCP	
	Antenna connector GPS section	Standard configuration	N(f) **)	
	Temperature range	Usage	-40..+70	°C
		Storage	-40..+85	°C
	Humidity	condensing	100	%
	Rain		IP68	
	Wind resistance		250	km/h
	Color		grey	
	Dimensions (fulfills the IC2000 profile)	approx.	145x80x40	mm
	Weight	approx.	0.5	kg
	Mounting		4 screws M8 x 16	
	Test standard		EN 50155 and EN 50124-1	

*) For standard product according production result, not guaranteed **) Reverse N(f) eventually on request

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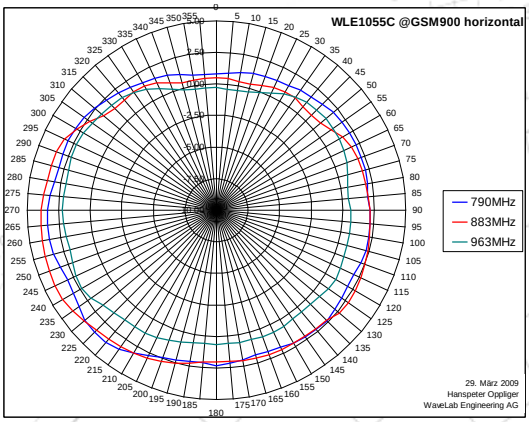
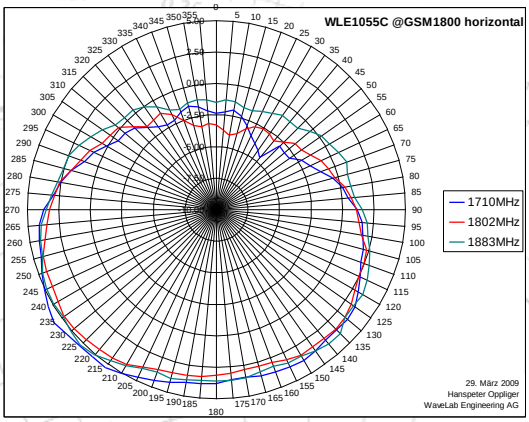
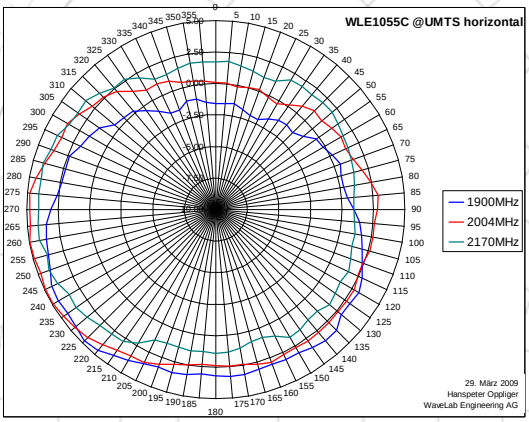
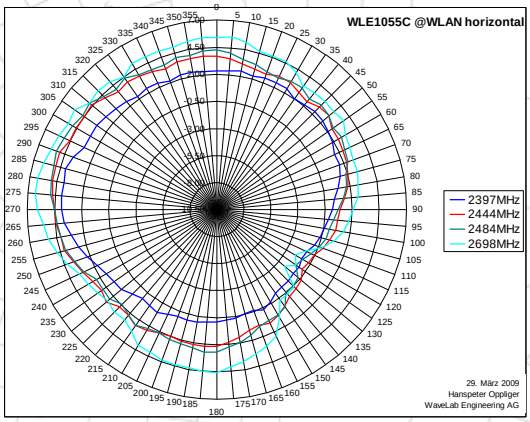
Typical horizontal antenna patterns:

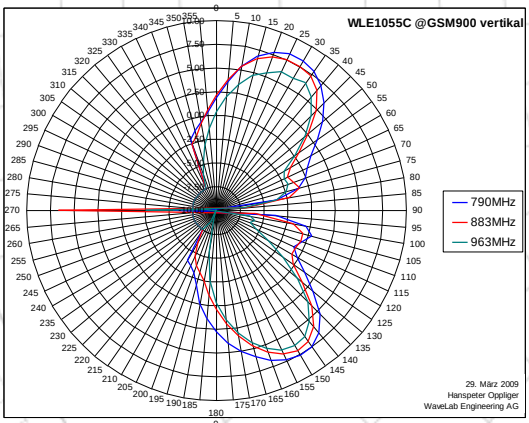


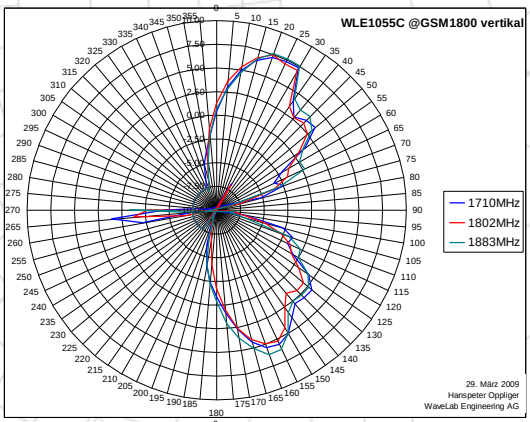


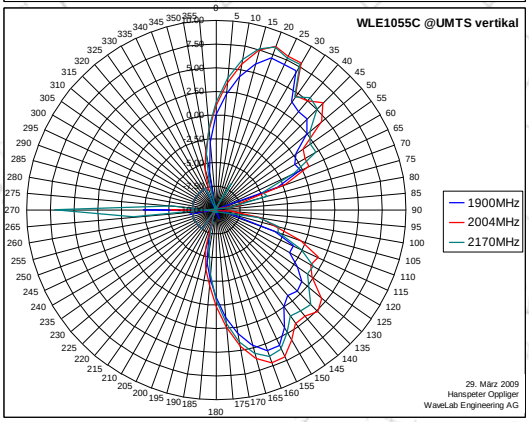


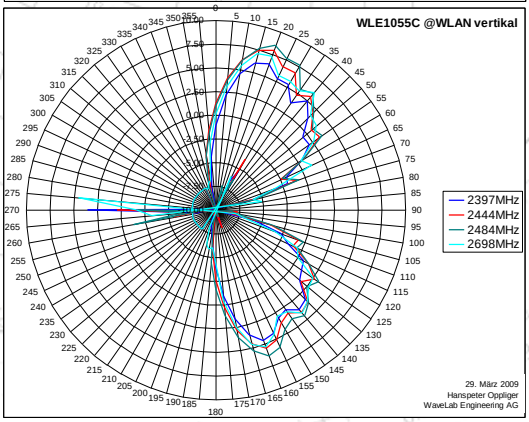


Typical vertical antenna patterns:









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