

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







Pulse Part Numbers: W1910 / W1911



### **Features**

- Small form factor
- Antenna size W x H (10.4 x 49.0mm)
- Lead free materials
- RoHS Compliant Product
- Connector Type: SMA

### **Applications**

- Penta band EU/US GSM/WCDMA
- Frequency range: 850 / 900 / 1800 / 1900/ 2100 MHz
- M2M Applications

### Part Numbers:

P/N	Connector		
W1910	SMA(Male)		
W1911	RP-SMA(Male)		

## Electrical specifications @ +25 °C

Note: Electrical characteristics depend on device mechanics.

W1910&W1911 Typical free space performance, measured in test unit mechanics (position1.)

Frequency [MHz]	Max Gain [dBi]	Efficiency [%] / [dB]	Return loss min. [dB]	Impedance $[\Omega]$	Operating Temperature [°C]
824 - 960	1.0 (peak) -0.5 (min)	65 / -1.8 (peak) 50 / -3.0 (min)	-4		
1710 - 1990	2.0 (peak) 0.5 (min)	65 / -1.8 (peak) 50 / -3.0 (min)	-6	50	-40 to +85
1920 - 2170	2.5 (peak) 2.0 (min)	65 / -1.8 (peak) 50 / -3.0 (min)	-6		

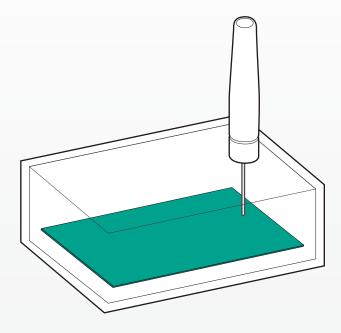
Takatie 6

90440 Kempele, Finland Tel: +358 207 935 500 Fax: +358 207 935 501 www.pulseeng.com/antennas



Pulse Part Numbers: W1910 / W1911

## Test Unit and Antenna Mounting Position 1



Ground Plane Size: 70mm(L) x 50mm(W) x 1mm(T)

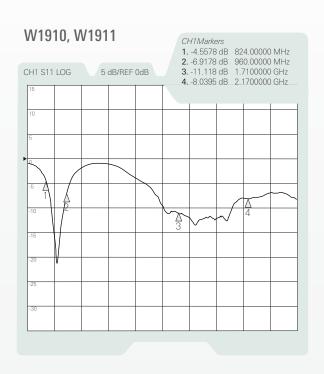
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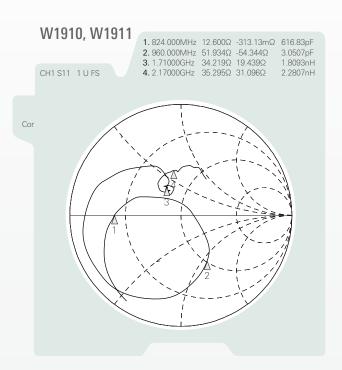


Pulse Part Numbers: W1910 / W1911

### Typical Electrical Characteristics (T=25 °C)

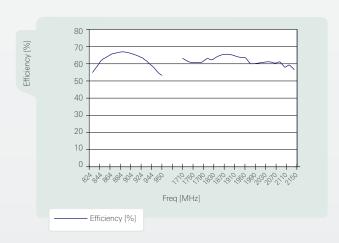
Typical free space performance, measured in test unit mechanics with 150mm feed cable (position1.)



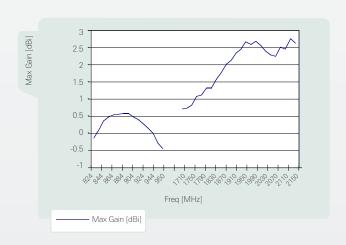


### Free Space Efficiency and Maximum Gain

### W1910 Efficiency



### W1910 Max Gain



#### Pulse Finland Oy

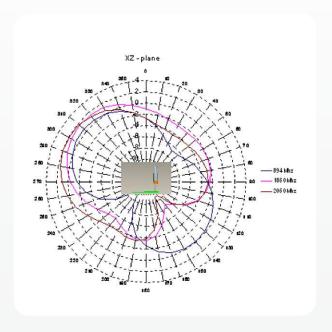
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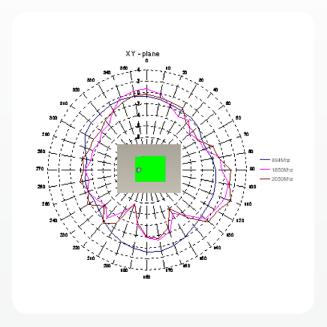


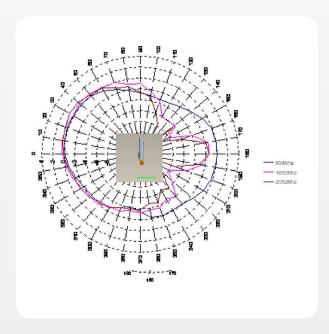
Pulse Part Numbers: W1910 / W1911

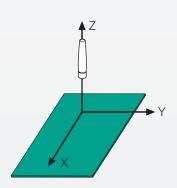
## Typical Free space Radiation Patterns

Patterns measured in test unit mechanics (position1.)









Takatie 6 90440 Kempele, Finland Tel: +358 207 935 500 Fax: +358 207 935 501

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