





FCC ID NXW-RF350R

**Adjustment of printed circuit board of both Reader.  
Description for different installation of the Reader RF340R  
and the Reader RF350R with ext. antenna.**

	<b>RF340R</b>	<b>RF350R</b>
1.	<p>Define the low end impedance of internal antenna supported by a network analyser or an impedance analyser</p> <p><b><math>Z = 50\Omega (\pm 5\Omega)</math></b> <b><math>\varphi = 0^\circ (\pm 5^\circ)</math></b></p> <p>Use W1 and WP271 (GND) as a point for measurement</p> <p>Adjustment of low end impedance by using the capacitors C79 and C80</p>	<p>Set a point of solder on W2 to activate the external antenna.</p>
2.	<p>Set a point of solder on W13 for activating the internal antenna(located on components side).</p>	<p>Connect signal core of 50<math>\Omega</math> coaxial cable of antenna(plug) to point of solder W14,W15 and connect the shielding of this 50<math>\Omega</math> coaxial cable of antenna to point of solder W16,W17.</p>
3.	<p>Connect power supply</p>	<p>Connect power supply</p>
4.	<p>Adjust resistor R5 in that way, that the Reader doesn't need a maximum of current of 100mA</p>	<p>Adjust resistor R5 in that way, that the Reader doesn't need a maximum of current of 100mA</p>
5.	<p><b><u>Set no point of solder on W12</u></b></p>	<p>Set a point of solder on W12</p>



