

<b><u>Wireless Signal Coverage Test Form (Before/After* Meter Installation)</u></b>		
<b><u>AMI Project No.:</u></b>		
Site Address:		Test Date:
<b><u>Testing Instrument:</u></b>		
Instrument	Make and Type	Serial No

**Note:**

1. Location map and layout plan of the site should be attached to this form when submitted.
2. Each test point should be tested at least three times successively with minimum interval of 5 minutes.
3. Test should be conducted under real working conditions as far as practicable, e.g. access door of meter room in closed state.
4. If real-condition test cannot be carried out, e.g. building not ready, rough estimated signal strength losses should be allowed as follows:

Metal	Low-E and Tinted Glass	Concrete (6 inch)	Brick and Stone	Plaster	Wood	Clear Glass	Fibre-glass Insulation	Drywall
-50 dBm	-30 dBm	-15 dBm	-10 dBm	-10 dBm	-6 dBm	-4 dBm	-2 dBm	-2 dBm

Example: 4G signal at -70 dBm outside the building will pass through a glass pane, a brick wall and a wooden access door before reaching the smart meter. The resultant 4G signal strength at the meter position is  $-70 \text{ dBm} + (-4-10-6) \text{ dBm} = -90 \text{ dBm}$ .

**Test Results**

Network Operator (e.g. China Mobile)	Technology (e.g. LTE 4G)	Frequency Band (e.g. B8)	Physical Cell Identification (PCI) No.	In-building Signal Booster installed (Y/N)
Reference Value	RSRP (dBm)			
LTE 4G	$\geq -105$			

Location Point	Floor (e.g. 40/F)	Time Stamp (e.g. 14:00)	RSRP (dBm)			Result (Pass- ✓/Fail- ✗)	SINR (dB)	Remark
			Measured	Estimated Signal strength Loss	Resultant			

**Remedial Plan for Poor Signal Reception Locations**

e.g. Network operator is agreed to provide cellular repeaters near the building for signal improvement before the occupation of the building.					
Tested by:		Post:	Witnessed by:		(Applicant's Representative)
Signature:			Signature:		
Company:			Company:		
Date:			Date:		

\* delete as appropriate