CellSpan
SIGNAL BOOSTER

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FIELD PACK · VERSION 1.0 · OCTOBER 2026

Remote Site Survey Pack

A field checklist for collecting the data needed for a first signal coverage assessment.

Purpose. Use this pack when you cannot bring an engineer to the site. Record the outdoor donor signal, indoor test points, building construction, photos and floor plan. Send the completed pack to CellSpan for a first review. It does not replace a physical survey or a local installer.

1. Project information

Project / site name		**Country / city**	
Operator		**Building type**	
Site contact		**Email / WhatsApp**	
Floor plan available?	☐ Yes ☐ No	**Photos available?**	☐ Yes ☐ No

2. Outdoor donor measurement

Measure at the highest practical point and at least two alternative positions. Record the band and cell ID shown by the test phone or scanner. Keep the phone in the same orientation at each point.

Candidate point	Band / cell ID	RSRP (dBm)	SINR (dB)	Height / direction	Notes
Roof — main					
Roof — alternative 1					
Roof — alternative 2					
Other high point					

3. Indoor test points

Test where people actually work or stay, not only near windows. Use at least six points across floors, rooms and the worst-known area.

Floor / room	Band	RSRP (dBm)	SINR (dB)	Voice call?	Notes
Point 1				☐ OK ☐ Fail	
Point 2				☐ OK ☐ Fail	
Point 3				☐ OK ☐ Fail	
Point 4				☐ OK ☐ Fail	
Point 5				☐ OK ☐ Fail	
Point 6				☐ OK ☐ Fail	

4. Building and site details

Coverage area (m^2)		**Floors**	
Main wall / roof material		**Ceiling height**	
Low-E glass / metal cladding?	☐ No ☐ Some ☐ Most	**Basement?**	☐ No ☐ Yes
Power at host location?	☐ Yes ☐ No	**Cable route available?**	☐ Yes ☐ No
Target operators			
Target coverage	☐ Voice ☐ Data ☐ Both ☐ Critical devices (CCTV, POS, scanners)		

5. Photo checklist

- ☐ Building exterior, all sides
- ☐ Roof / donor mounting position
- ☐ Indoor test points (wide shot)
- ☐ Cable route and risers
- ☐ Host / equipment location
- ☐ Power outlet and grounding
- ☐ Operator nameplate or SIM display
- ☐ Floor plan (photo or PDF)

6. Before you send

- All RSRP values are in dBm, not “bars”.
- Band and cell ID are recorded for each donor point.
- Indoor points include the worst-known area, not only good spots.
- Photos are named by location (roof, floor 3, riser, etc.).
- Outdoor and indoor readings were taken with the same operator and phone.

What happens next. CellSpan reviews the pack, classifies the site as usable / weak donor / no usable donor, and lists the missing measurements. A final design still requires a local installer and a physical survey before quotation.