CellSpan
SIGNAL BOOSTER

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Operator Band Confirmation Sheet

A six-market starting table for confirming common LTE bands before selecting a host.

Purpose. Use this sheet to record the bands actually used by the operator at the site. The table below is indicative planning data; operator bands vary by city and change over time. Confirm locally before ordering.

1. Site and operator

Country		**City / site**	
Operator		**SIM / test phone**	
Target bands observed		**5G required?**	☐ No ☐ Yes

2. Common LTE bands by market

Country	Operator	Common LTE bands	TDD / custom	Confirmed at site?
Nigeria	MTN Nigeria	B1 / B3 / B7	—	☐ Yes ☐ No
Nigeria	Airtel Nigeria	B3 / B7	—	☐ Yes ☐ No
Nigeria	Glo	B3 / B28	B28 custom	☐ Yes ☐ No
Nigeria	9mobile	B3 / B7	—	☐ Yes ☐ No
Kenya	Safaricom	B1 / B3 / B7 / B20	—	☐ Yes ☐ No
Kenya	Airtel Kenya	B1 / B3 / B7	—	☐ Yes ☐ No
Kenya	Telkom Kenya	B1 / B3	—	☐ Yes ☐ No
Ghana	MTN Ghana	B3 / B7	—	☐ Yes ☐ No
Ghana	Telecel Ghana	B3 / B7	—	☐ Yes ☐ No
Ghana	AirtelTigo	B3 / B7	—	☐ Yes ☐ No
Tanzania	Vodacom Tanzania	B1 / B3 / B7	—	☐ Yes ☐ No
Tanzania	Airtel Tanzania	B3 / B7	—	☐ Yes ☐ No
Tanzania	Tigo Tanzania	B3 / B7	—	☐ Yes ☐ No
Tanzania	Halotel	B3	—	☐ Yes ☐ No
Uganda	MTN Uganda	B1 / B3 / B7	—	☐ Yes ☐ No
Uganda	Airtel Uganda	B3 / B7	—	☐ Yes ☐ No
South Africa	Vodacom	B1 / B3 / B7 / B38	B38 TDD	☐ Yes ☐ No
South Africa	MTN	B1 / B3 / B7 / B38	B38 TDD	☐ Yes ☐ No

South Africa	Telkom	B1 / B3 / B7 / B38	B38 TDD	☐ Yes ☐ No
South Africa	Rain	B3 / B38	B38 TDD	☐ Yes ☐ No

3. Site observations

Measured RSRP / SINR		**Band / cell ID**	
Type approval required?	☐ Yes ☐ No ☐ Unknown	**Local installer?**	☐ Yes ☐ No
Notes			

4. Before selecting a host

- Confirm the exact downlink and uplink bands, not only “4G”.
- Check whether the band is FDD or TDD. B38 requires a TDD-capable host.
- Check whether B28 700 MHz needs a custom sub-band configuration.
- Confirm local type approval and operator requirements.
- Record the outdoor donor RSRP; band data alone does not confirm coverage.

Next step. Send the completed sheet with outdoor RSRP, indoor test points and photos. CellSpan will confirm whether a booster is feasible and which host configuration to start from.