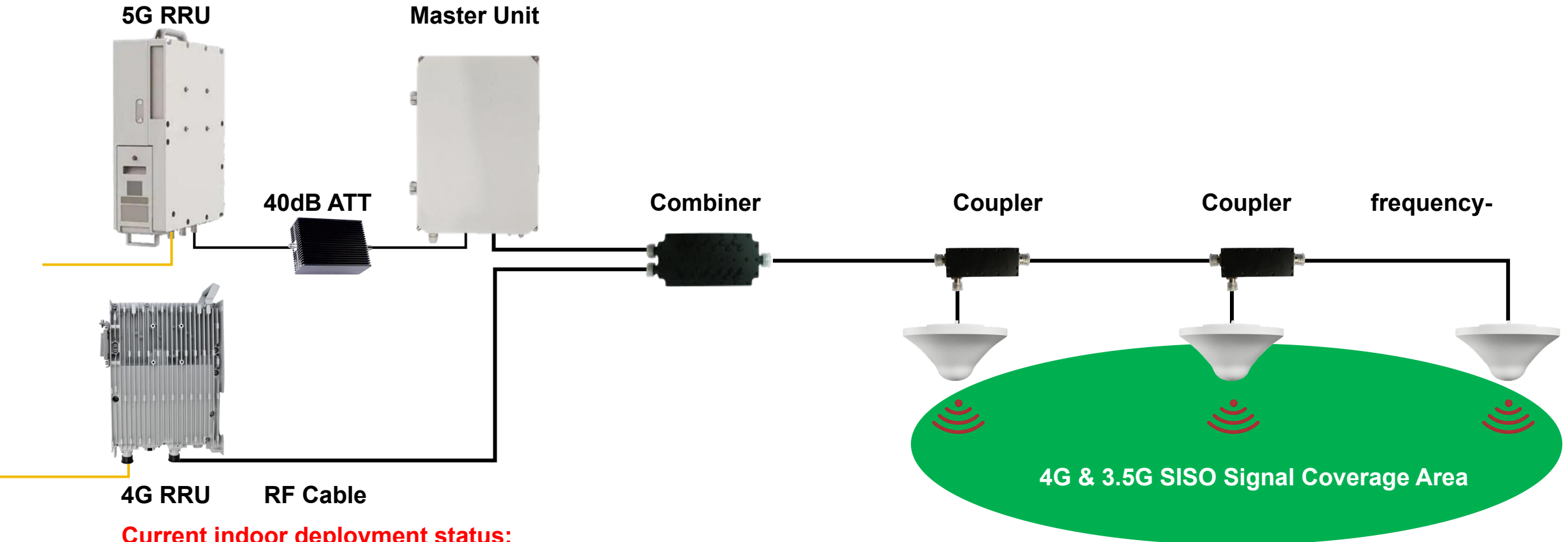


Deployment Plan: legacy reuse scenario 1



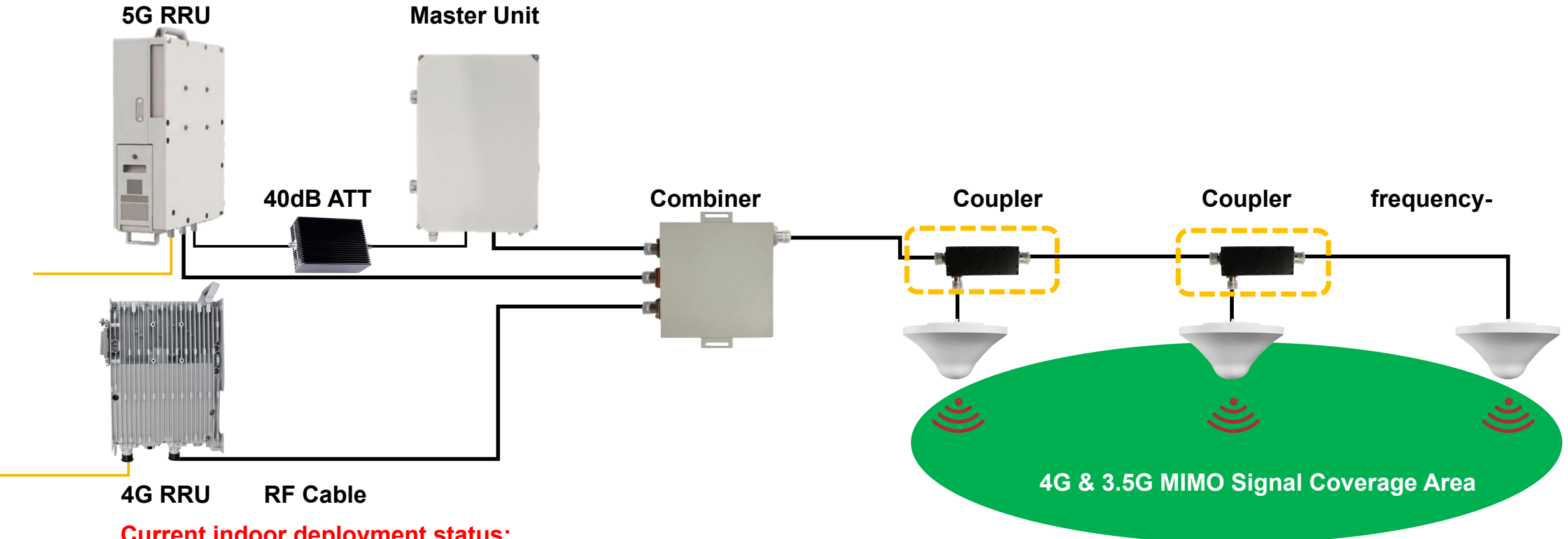
Current indoor deployment status:

Existing in-building distributed antenna systems (DAS) are difficult to upgrade and retrofit. Passive components do not support the 3600 MHz band (they only operate in the 800–2700 MHz range). Identifying and replacing passive components is challenging, and the construction work is complicated. The existing 2.1 GHz band offers limited bandwidth (20/40 MHz), resulting in low data rates. New digital indoor solutions (such as Lampsite/Qcell) cannot reuse legacy equipment, and the upgrade cost is prohibitively high.

Solution advantages:

Maximizes reuse of legacy equipment without replacing existing DAS components (operating in the 800–2700 MHz band). Only a single frequency-conversion master unit needs to be added, and the existing indoor antennas are replaced with Frequency-Conversion Antennas. The construction process is straightforward. The 3.5 GHz band offers abundant frequency resources (100/200 MHz), enabling high data rates, while the overall upgrade cost remains low.

Deployment Plan: legacy reuse scenario 2



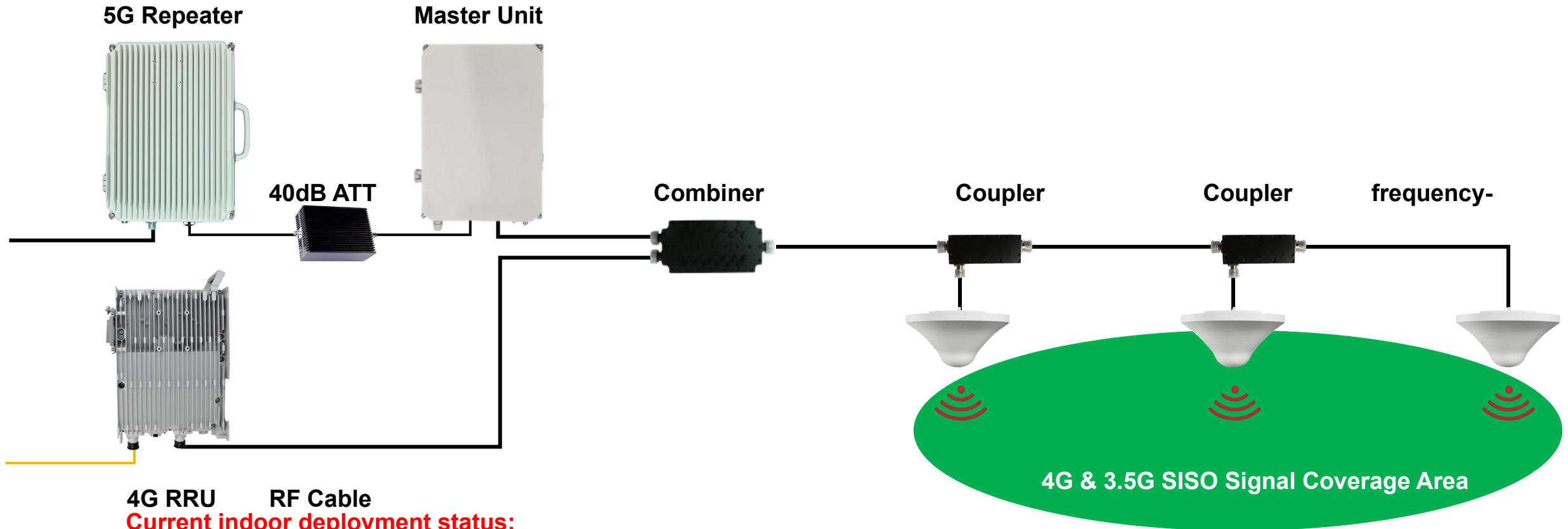
Current indoor deployment status:

Existing in-building distributed antenna systems (DAS) are difficult to upgrade and retrofit. Passive components do not support the 3600 MHz band (they only operate in the 800–2700 MHz range). Identifying and replacing passive components is challenging, and the construction work is complicated. The existing 2.1 GHz band offers limited bandwidth (20/40 MHz), resulting in low data rates. New digital indoor solutions (such as Lampsite/Qcell) cannot reuse legacy equipment, and the upgrade cost is prohibitively high.

Solution advantages:

Reuses the existing single cable to enable MIMO. (The existing DAS components need to be replaced with supporting the 698–3700 MHz band.) Only one Frequency-Conversion Master Unit needs to be added, and the existing indoor antennas are replaced with Frequency-Conversion Antennas. The construction process is simple. The solution offers abundant frequency resources (100/200 MHz), supports MIMO, delivers high data rates, and maintains cost controllability.

Deployment Plan: legacy reuse scenario 3



4G RRU RF Cable

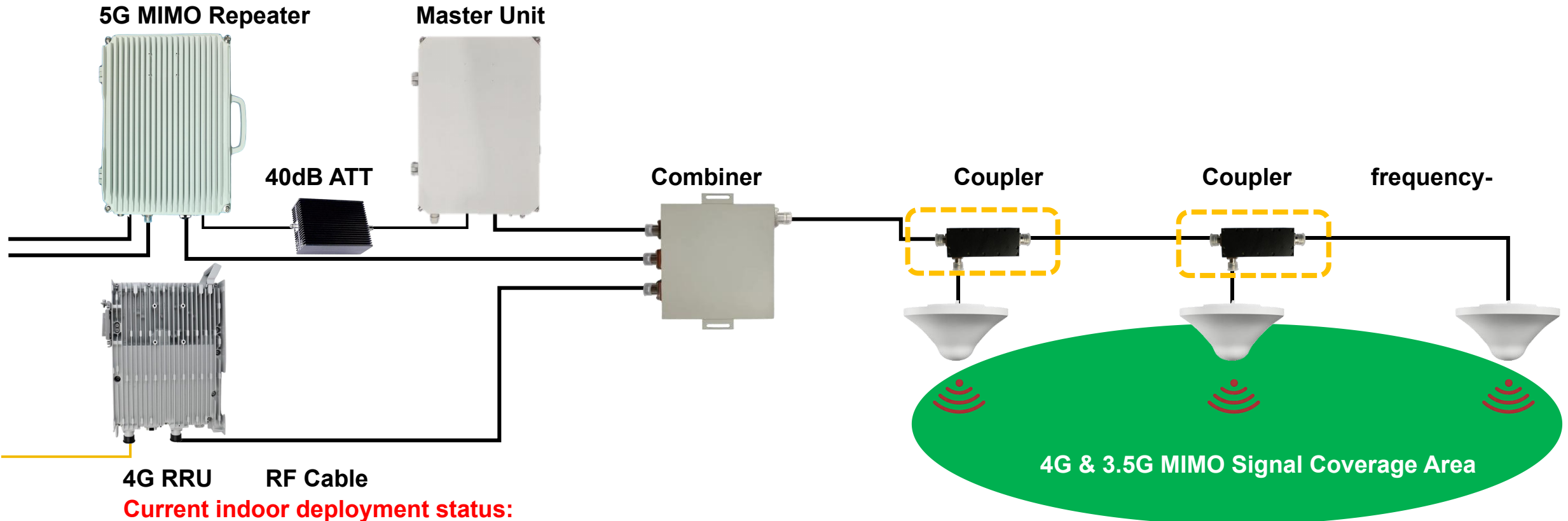
Current indoor deployment status:

Existing in-building distributed antenna systems (DAS) are difficult to upgrade and retrofit. Passive components do not support the 3600 MHz band (they only operate in the 800–2700 MHz range). Identifying and replacing passive components is challenging, and the construction work is complicated. The existing 2.1 GHz band offers limited bandwidth (20/40 MHz), resulting in low data rates. New digital indoor solutions (such as Lampsite/Qcell) cannot reuse legacy equipment, and the upgrade cost is prohibitively high.

Solution advantages:

Maximizes reuse of legacy equipment – no DAS component replacement needed (800–2700 MHz). Simply add one 5G Wireless Repeater integrated with a Frequency-Conversion Master Unit, and replace the existing indoor antennas with frequency-conversion antennas. The construction process is straightforward. With abundant frequency resources in the 3.5 GHz band (100/200 MHz), the solution delivers high data rates and low upgrade cost. Wireless air-interface backhaul further reduces expenses.

Deployment Plan: legacy reuse scenario 4



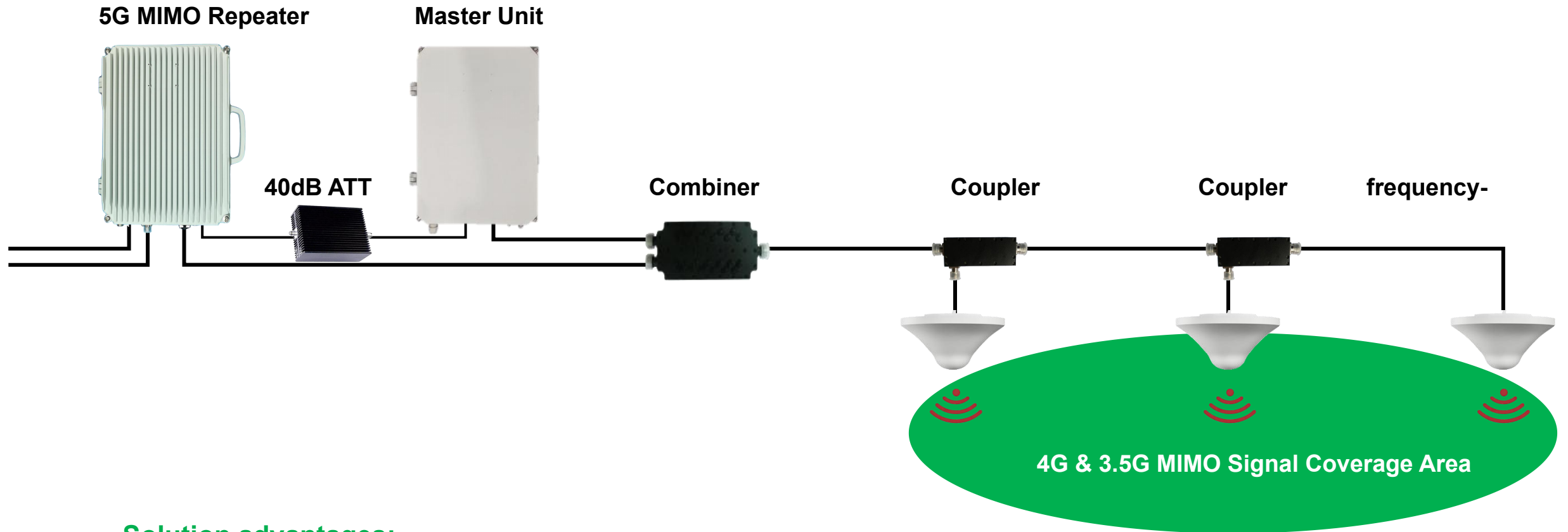
Current indoor deployment status:

Existing in-building distributed antenna systems (DAS) are difficult to upgrade and retrofit. Passive components do not support the 3600 MHz band (they only operate in the 800–2700 MHz range). Identifying and replacing passive components is challenging, and the construction work is complicated. The existing 2.1 GHz band offers limited bandwidth (20/40 MHz), resulting in low data rates. New digital indoor solutions (such as Lampsite/Qcell) cannot reuse legacy equipment, and the upgrade cost is prohibitively high.

Solution advantages:

Reuses a single cable to enable MIMO. (The existing DAS components need to be replaced with supporting the 698–3700 MHz band.) Simply add one 5G MIMO wireless repeater integrated with a Frequency-Conversion Master Unit, and replace the existing indoor antennas with Frequency-Conversion Antennas. The construction process is straightforward. With abundant frequency resources (100/200 MHz), the solution supports MIMO, delivers high data rates, and reduces costs through wireless air-interface backhaul.

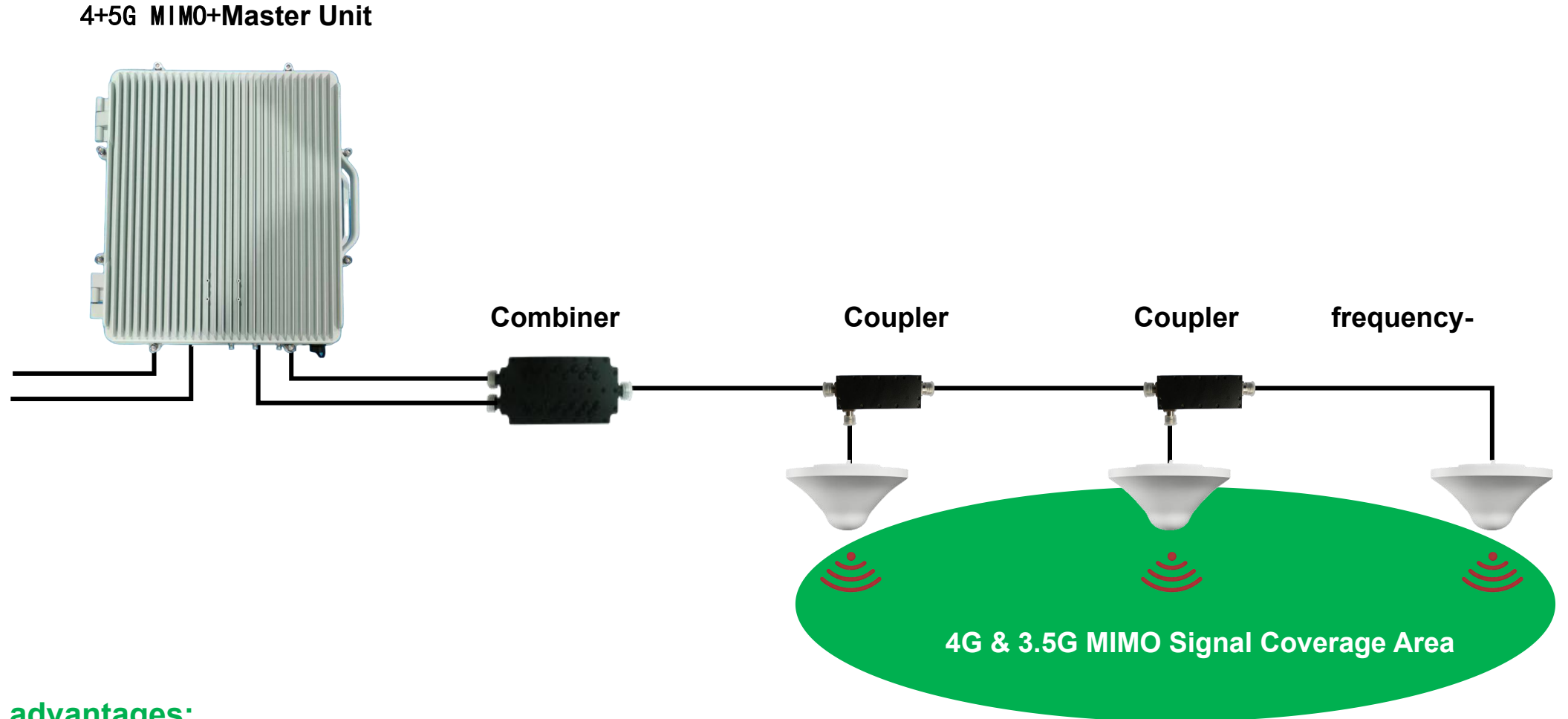
Deployment Plan: New Scenario 1



Solution advantages:

A wireless 4G+5G MIMO repeater air-couples the outdoor signal source. Combined with a Frequency-Conversion Master Unit, the native single cable enables 4G+5G MIMO. The solution supports MIMO, delivers high data rates for both 4G and 5G, and reduces costs through wireless air-interface backhaul.

Deployment Plan: New Scenario 2 (Future-Ready Evolution)



Solution advantages:

Integrates wireless 4G+5G MIMO Repeater and a Frequency-Conversion Master Unit into a single device. The native single cable enables 4G+5G MIMO, supporting MIMO and high data rates for both 4G and 5G. Wireless air-interface backhaul further reduces costs.