



Catalogue 2014

Antenna Fiber Boxes

AFB-100 : Single Rx Antenna Fiber Box

AFB-100 is designed to modulate radio signal from one receiving antenna to optical SC/APC output. Any passive or active antenna can be plugged in as it provides DC feed. This housing is designed for installation market.

Bandwidth : 50Mhz–900Mhz

RF Input : BNC 50 ohms

DC Feed : 12V/200mA

Optical Output : SC-APC single mode 1310nm

Power Supply : 9V-36V Euroblock , 12W max

Dimensions : 163 x 147 x 35 mm

Weight : 0,6 Kg



AFB-200 : Dual Rx Antenna Fiber Box

AFB-200 is designed to modulate radio signals from two receiving antennas to optical SC/APC outputs. Any passive or active antenna can be plugged in as it provides DC feed. This housing is designed for installation market.

Bandwidth : 50Mhz–900Mhz

RF Inputs : 2 BNC 50 ohms

DC Feed : 12V/200mA

Optical Outputs : 2 SC-APC monomode 1310nm

Power Supply : 9V-36V Euroblock , 12W max

Dimensions : 163 x 147 x 35 mm

Weight : 0,7 Kg



Antenna Fiber Boxes

AFB-150 : Single Rx Antenna Fiber Box

AFB-150 is designed to modulate radio signal from one receiving antenna to one optical Neutrik Duo APC output. Any passive or active antenna can be plugged in as it provides DC feed. With its rugged housing and 12V on XLR4 power, it is designed for location or live market.

Bandwidth : 50Mhz–900Mhz

RF Input : 1 BNC 50 ohms

DC Feed : 12V/200mA

Optical Output : 1 Neutrik OpticalCon Duo APC
single mode 1310 nm

Power Supply : XLR4 – 12W max

Dimensions : 155 x 180 x 70 mm

Weight : 1,2 Kg



AFB-250 : Dual Rx Antenna Fiber Box

AFB-250 is designed to modulate radio signals from two receiving antenna to one optical Neutrik Duo APC output. Any passive or active antenna can be plugged in as it provides DC feed. With its rugged housing and 12V on XLR4 power, it is designed for location or live market.

Bandwidth : 50Mhz–900Mhz

RF Input : 2 BNC 50 ohms

DC Feed : 12V/200mA

Optical Output : 1 Neutrik OpticalCon Duo APC
monomode 1310 nm

Power Supply : XLR4 – 12W max

Dimensions : 155 x 180 x 70 mm

Weight : 1,3 Kg



Antenna Fiber Boxes

AFB-350 : Tx Antenna Fiber Box

AFB-350 allows transmission of RF signal to one antenna through fiber optics. With its rugged housing and 12V on XLR4 power, it is designed for location or live market.

Bandwidth : 100Mhz – 1Ghz
Noise Density : -113dBm/Hz
IMD3: -45 dBc two carriers @ 20dBm – 1MHz gap
Output Power : 500 mW Max.
RF Output : 1 BNC 50 ohms
Optical Input : 1 Neutrik OpticalCon Duo APC single mode 1310nm
Power Consumption : 800 mA
Power Supply : XLR4, 12W max
Dimensions : 155 x 180 x 70 mm
Weight : 1,5 Kg



AFB-450 : Duplex TxRx Antenna Fiber Box

AFB-450 is a duplex remote antennas box that modulates one transmission and one reception antenna signals on one single Neutrik OpticalCon Duo plug. With its rugged housing and 12V on XLR4 power, it is designed for location or live market.

Bandwidth : 100Mhz – 1Ghz
Noise Density : -113dBm/Hz
IMD3: -45 dBc two carriers @ 20dBm – 1MHz gap
Output Power : 500 mW Max.
RF Output : 1 BNC 50 ohms
RF Input : BNC 50 ohms
DC feed : 12V/200mA
Optical In/Out : 1 Neutrik OpticalCon Duo APC single mode 1310nm
Power consumption : 950 mA (1,1 A with DC feed)
Power Supply : XLR4, 20W max
Dimensions : 155 x 180 x 70 mm



Fiber Antenna Receivers

AFR-250 : Dual Fiber Antenna receiver Compact

AFR receivers demodulate RF signals from two fiber optics antennas to coax outputs towards diversity RF receivers.

Bandwidth: 50Mhz–900Mhz
RF Outputs : 2 x BNC 50 ohms
Optical Input : 1 x Neutrik OticalCon Duo APC
Power Supply : XLR4, 12W max
Dimensions : 155 x 180 x 70 mm
Weight : 1,3 Kg



AFR-200 : 1U Dual Fiber Antenna Receiver

AFR receivers demodulate RF signals from two fiber optics antennas to coax outputs towards diversity RF receivers.

Bandwidth: 50Mhz–900Mhz - RF Outputs : 2 BNC 50 ohms - Optical Inputs : 2 SC-APC monomode 1310nm (1 or 2 Neutrik OticalCon Duo APC in option) - Power Supply : 110-220V - Dimensions : 435 x 250 x 43 mm - Weight : 3,1 Kg



Combiners

Dual Channel Hybrid Combiners

Hybrid antennas combiners can receive both coax antennas for nearby areas (up to 4 active or passive antennas) and fiber antennas for distant areas (connected to AFB-100, AFB-150, AFB-200 ou AFB-250 Antenna Fiber Boxes) combined towards two BNC outputs going to one or more wireless diversity receivers.



ACH-422 : Dual channel 4 antennas combiner, 2 coax, 2 fibers

Optical Inputs : 2 SC-APC single mode 1310nm (1 or 2 OpticalCon Duo optional) - RF Inputs : 2 BNC 50 ohms - DC Feed : 12V/200mA
RF Outputs : 2 BNC 50 ohms - Bandwidth : 100Mhz-850Mhz - Power : 110-220V - Dimensions : L480 x P280 x H44 mm - Weight : 3,5 kg

ACH-622 : Dual channel 6 antennas combiner, 4 coax, 2 fibers

Optical Inputs : 2 SC-APC single mode 1310nm (1 or 2 OpticalCon Duo optional) - RF Inputs : 4 BNC 50 ohms - DC Feed : 12V/200mA
RF Outputs : 2 BNC 50 ohms - Bandwidth : 100Mhz-850Mhz - Power : 110-220V - Dimensions : L480 x P280 x H44 mm - Weight : 3,5 kg

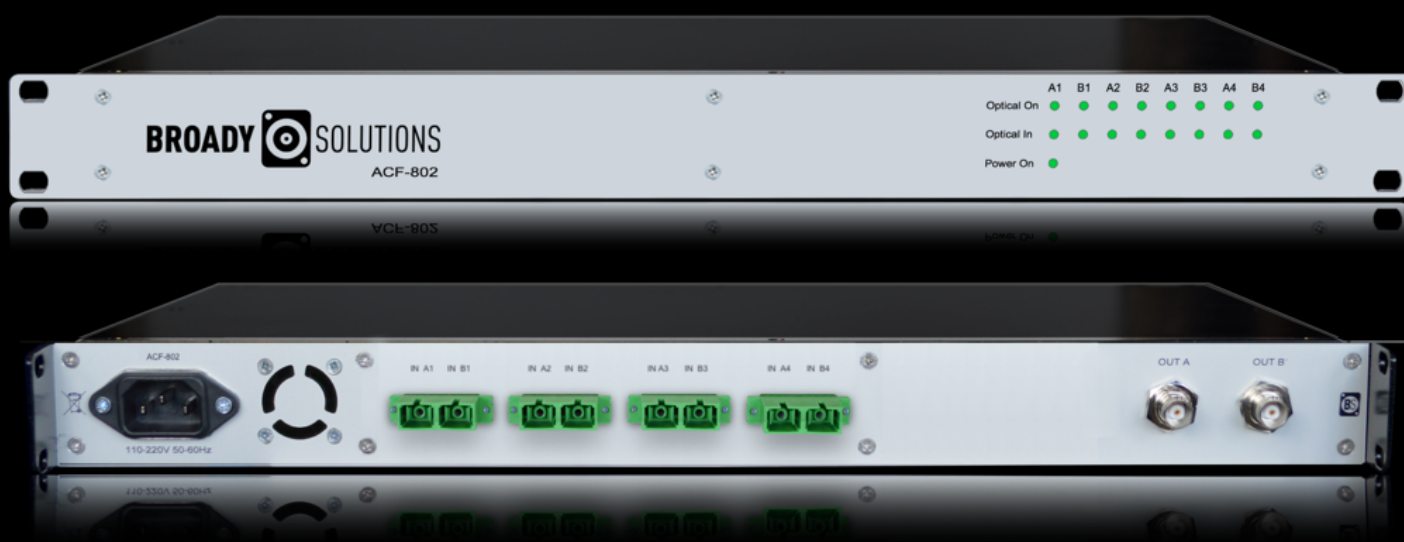
ACH-642 : Dual channel 6 antennas combiner, 2 coax, 4 fibers

Optical Inputs : 4 SC-APC single mode 1310nm (2 or 4 OpticalCon Duo optional) - RF Inputs : 2 BNC 50 ohms - DC Feed : 12V/200mA
RF Outputs : 2 BNC 50 ohms - Bandwidth : 100Mhz-850Mhz - Power : 110-220V - Dimensions : L480 x P280 x H44 mm - Weight : 3,5 kg

Combiners

Dual Channel Fiber Antenna Combiners

Dual Channel Fiber Antennas Combiners can receive 4, 6 or 8 fibers connected to AFB-100, AFB-150, AFB-200 ou AFB-250 Antenna Fiber Boxes combined towards two BNC outputs going to one or more wireless diversity receivers.



ACF-402 : Dual channel 4 fiber antennas combiner

Bandwidth : 100Mhz–850Mhz - Optical Inputs : 4 SC-AP single mode 1310nm (2 or 4 Neutrik OpticalCon Duo optional) - RF Outputs : 2 BNC 50 ohms - Power : 110-220V - Dimensions : L480 x P280 x H44 mm - Weight : 3,5 Kg

ACF-602 : Dual channel 6 fiber antennas combiner

Bandwidth : 100Mhz–850Mhz - Optical Inputs : 6 SC-APC single mode 1310nm (3 or 6 Neutrik OpticalCon Duo optional) - RF Outputs : 2 BNC 50 ohms - Power : 110-220V - Dimensions : L480 x P380 x H44 mm - Weight : 4,5 Kg

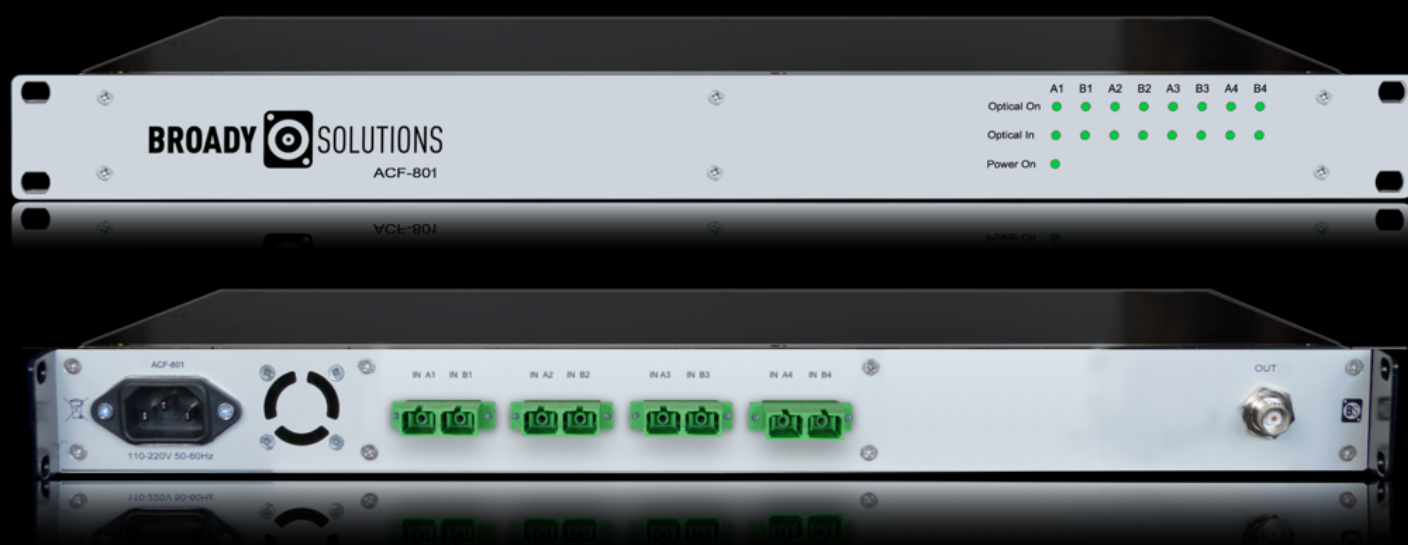
ACF-802 : Dual channel 8 fiber antennas combiner

Bandwidth : 100Mhz–850Mhz - Optical Inputs : 8 SC-APC single mode 1310nm (4 or 8 Neutrik OpticalCon Duo optional) - RF Outputs : 2 BNC 50 ohms - Power : 110-220V - Dimensions : L480 x P380 x H44 mm - Weight : 4,8 Kg

Combiners

Single Channel Fiber Antenna Combiners

Single Channel Fiber Antennas Combiners can receive 6 or 8 fibers connected to AFB-100, AFB-150, AFB-200 ou AFB-250 Antenna Fiber Boxes combined towards one BNC output going to one or more wireless diversity receivers. Single channel combiners can multiply possibilities allowing up to 8 antennas per channel (16 diversity channels).



ACF-601 : Single channel 6 fiber antennas combiner

Bandwidth : 100Mhz–850Mhz - Optical Inputs : 6 SC-APC single mode 1310nm (3 or 6 Neutrik OpticalCon Duo optional) - RF Output : 1 BNC 50 ohms - Power : 110-220V - Dimensions : L480 x P380 x H44 mm - Weight : 4,5 Kg

ACF-801 : Single channel 8 fiber antennas combiner

Bandwidth : 100Mhz–850Mhz - Optical Inputs : 8 SC-APC single mode 1310nm (4 or 8 Neutrik OpticalCon Duo optional) - RF Output : 1 BNC 50 ohms - Power : 110-220V - Dimensions : L480 x P380 x H44 mm - Weight : 4,8 Kg

Transmission & Duplex Stations

ATH-200 : Hybrid transmission station

ATH-200 is an hybrid transmission station for one or two carrier allowing transport of transmission signal to remote antennas through optical fiber. Wireless monitoring and intercom (IFB, IEM, Phonak) coverage can be extended regardless of distance and venue outlines (multi-area).

Each input transmission signal is dispatched directly to a coax output for nearby areas and are combined to one or two optical outputs connected to remote antenna boxes AFB350.



Features

Bandwidth : 100 MHz–1GHz
Input Power : Min. 30 mW, Max. 500 mW
Direct RF In/Out Power Loss : 2 dB Typ.
RF Inputs : 2 BNC 50 ohms
Direct RF Outputs : 2 BNC 50 ohms
Optical Outputs : 1 Neutrik OpticalCon Duo APC (2nd OpticalCon optional)
Power : 110-220V
Dimensions : L480 x P280 x H44 mm
Weight : 3,1 Kg

Transmission & Duplex Stations

ADH-400 : Hybrid duplex station

ADH-400 is an hybrid duplex station allowing both transmission and reception signals carriage through fiber optics, it also features direct coax input and output. ADH-400 perfectly matches with wireless intercom base stations such as RTS BTR700/800/80.

For transmission section, ADH-400 allows sending RF signal to an OpticalCon Duo fiber output and directly to a nearby coax antenna. For reception section, ADH-400 can combine one fiber and one coax inputs to one output.

ADH-400 can work with a duplex remote antenna box AFB-450 (TxRx) through a single OpticalCon Duo connector, or with one AFB-350 (one Tx antenna) and one AFB-150 (one Rx antenna) using two OpticalCon Duo connectors.



Features

Bandwidth : 100 MHz–1GHz

TX Input Power : Min. 30 mW, Max. 500 mW

Direct RF In/Out Power Loss : 2 dB Typ.

TX RF Input : 1 BNC 50 ohms

TX Direct RF Output : 1 BNC 50 ohms

RX RF Input : 1 BNC 50 ohms - DC Feed : 12V/200mA

RX RF Output : 1 BNC 50 ohms

Optical In/Out : 1 Neutrik OpticalCon Duo APC (2nd OpticalCon optional)

Power : 110-220V

Dimensions : L480 x P280 x H44 mm

Weight : 3,5 Kg

Antenna Splitter

AS-122 : Dual Channel Active Splitter

AS-122 is a dual channel active antenna splitter (1 BNC to 6 SMA per channel) for use with up to six diversity receivers. With its rugged and compact housing, it is designed for harsh conditions and can easily be used in an audio bag or a sound cart.

Both passive and active antennas can be plugged in BNC inputs using DC feed feature. A LED indicates if RF level is too high on each channel. The unit is powered from an external DC supply plugged in Hirose 4 pin connector.



Features

Bandwidth : 100MHz-900MHz

Gain : 0dB (+/- 1dB)

Noise figure : 1,5 dB

OIP3 : > 30dBm

Isolation : 15 dB

RF inputs : 2 BNC 50 ohms

DC feed : 12V/200mA

RF outputs : 2 x 6 SMA

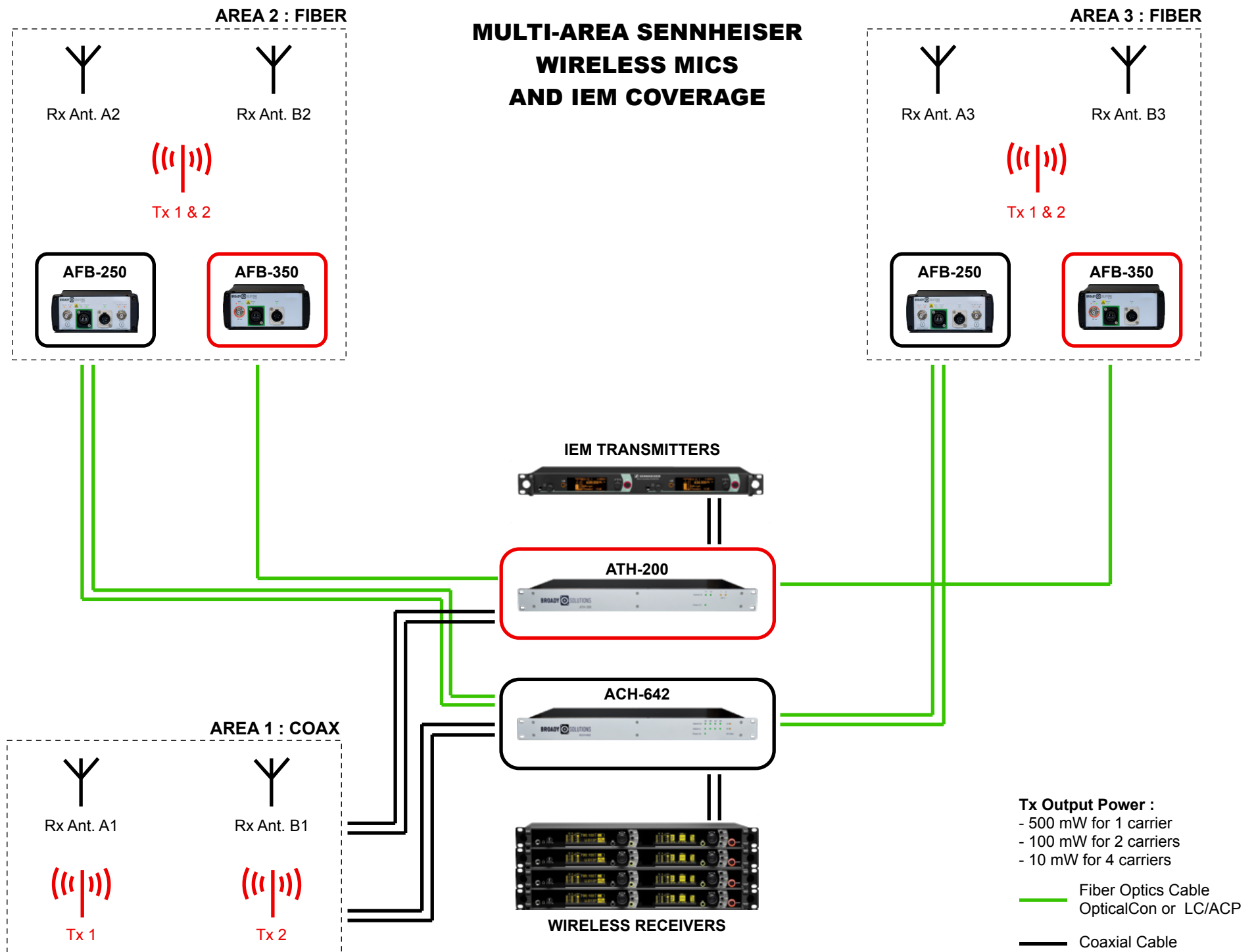
Power Consumption : 150 mA without DC feed

Power supply : HRS4, 12-15V

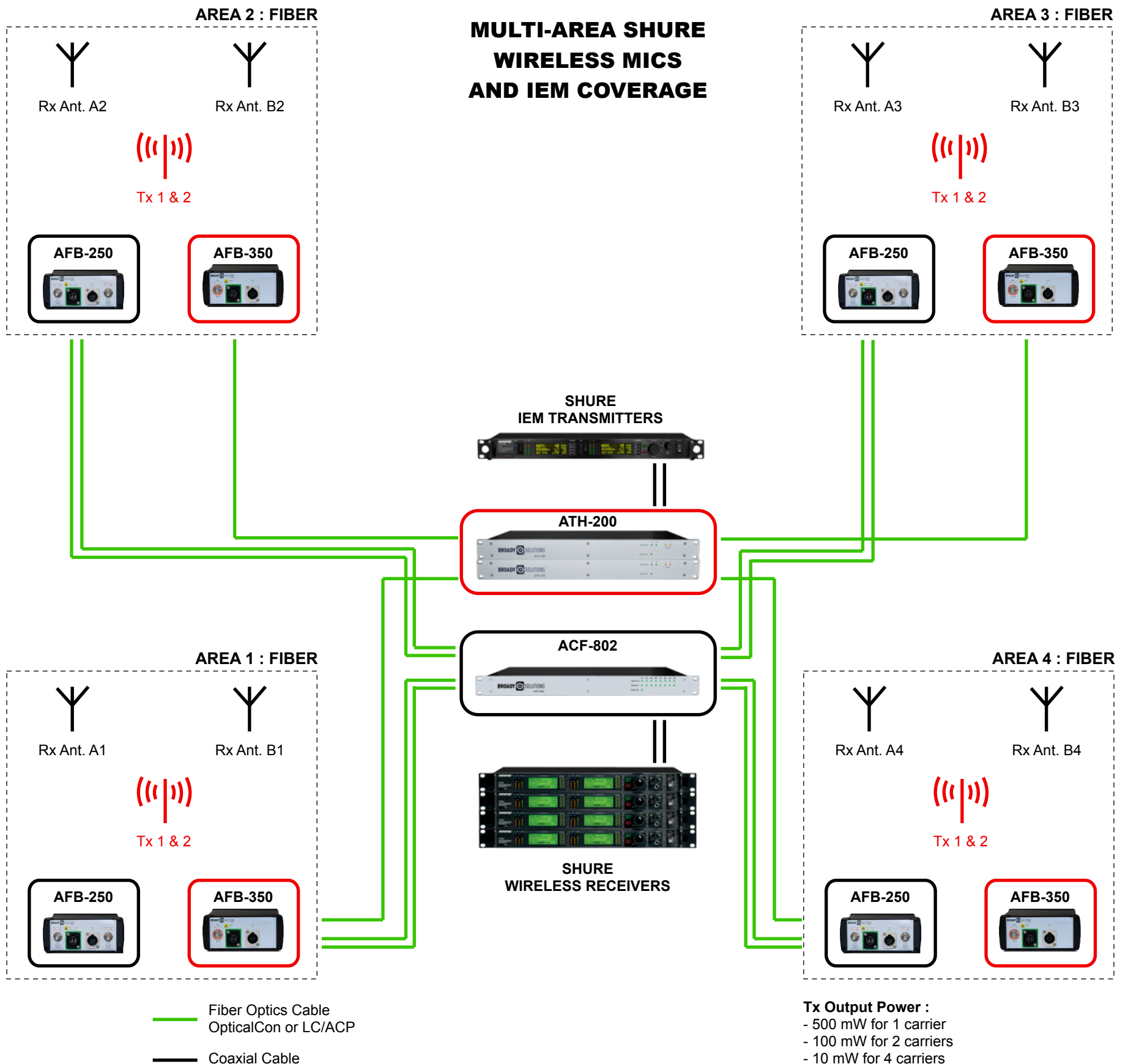
Dimensions : 88 x 84 x 44mm

Weight : 300g

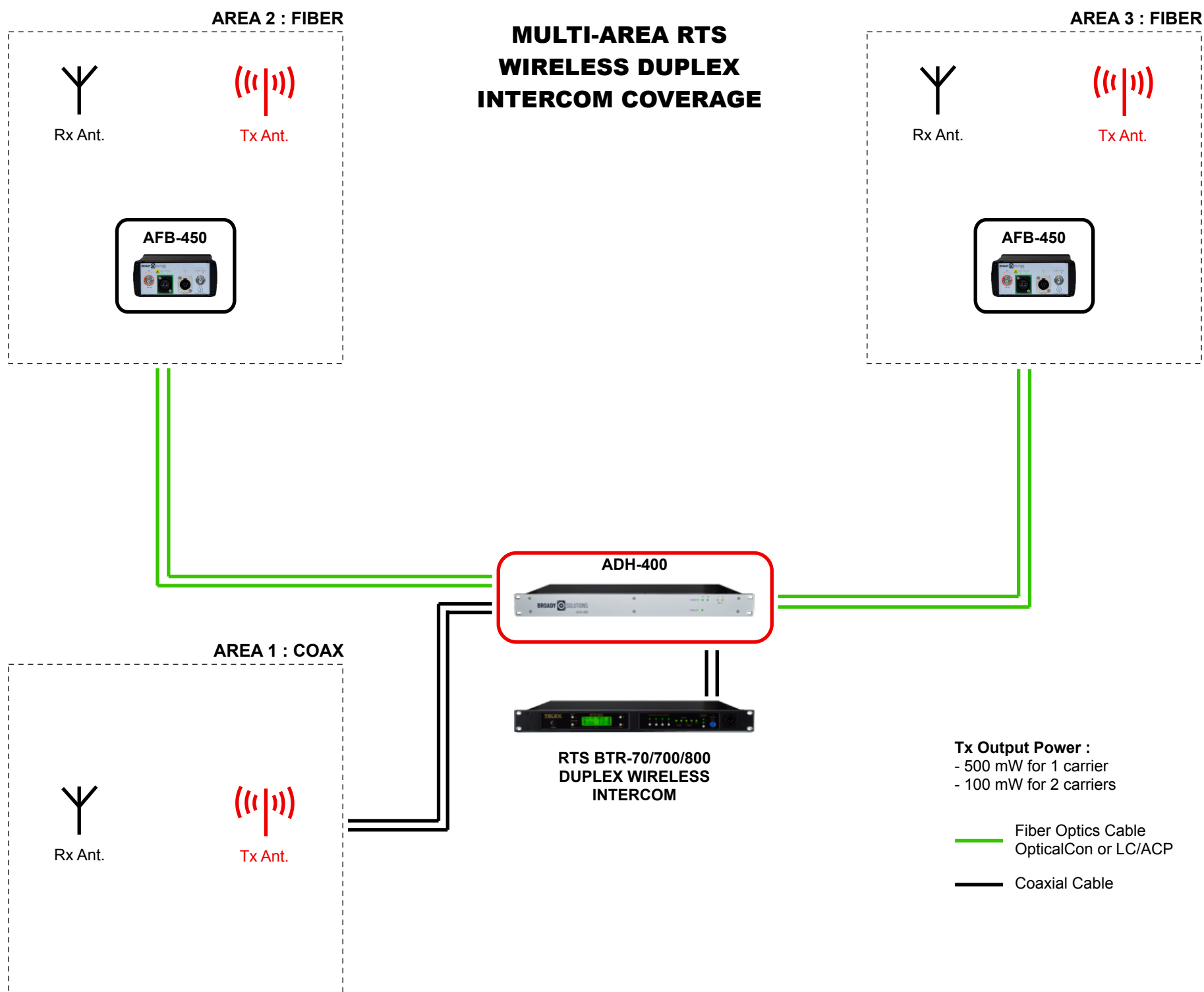
Application Examples



Application Examples

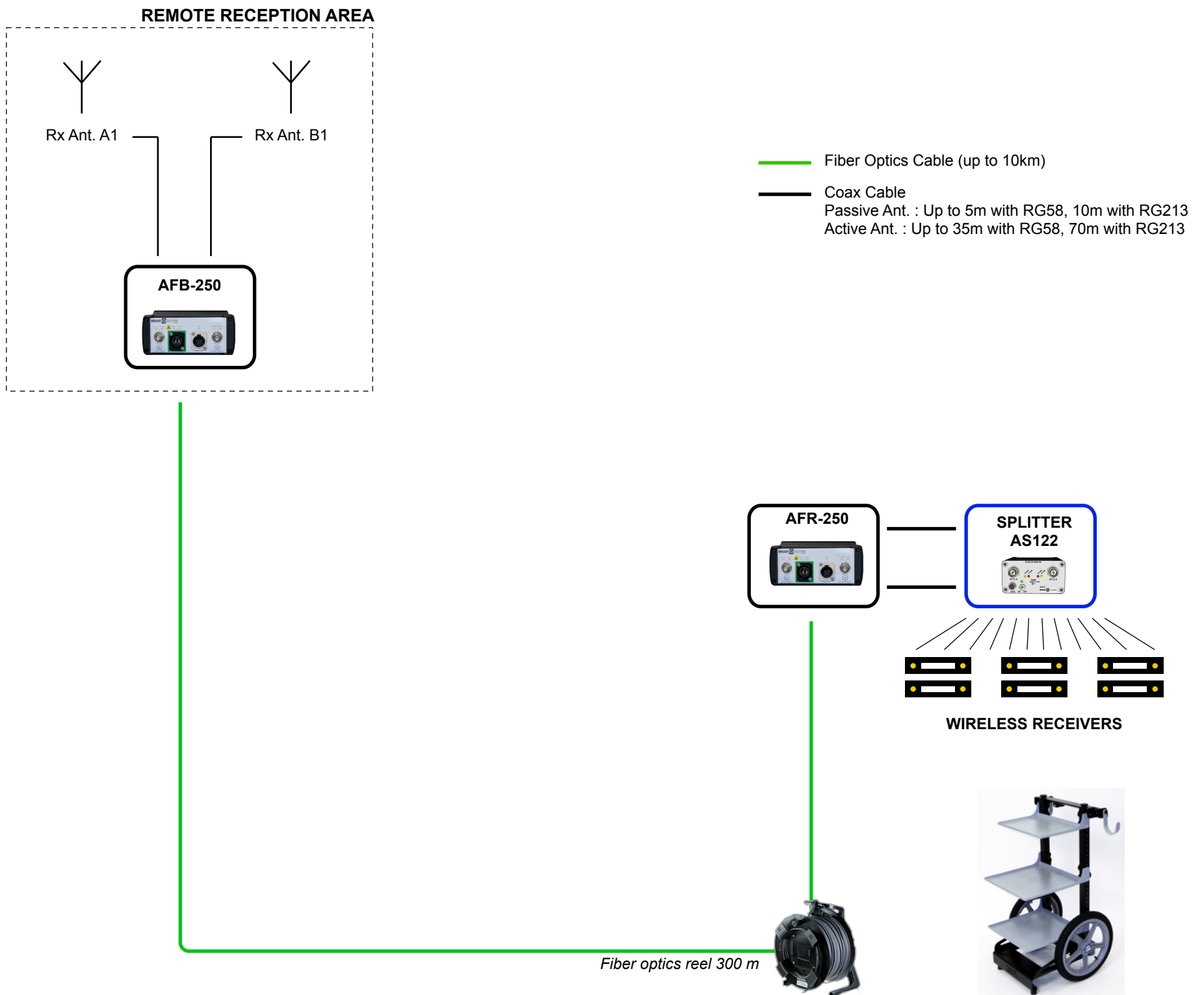


Application Examples



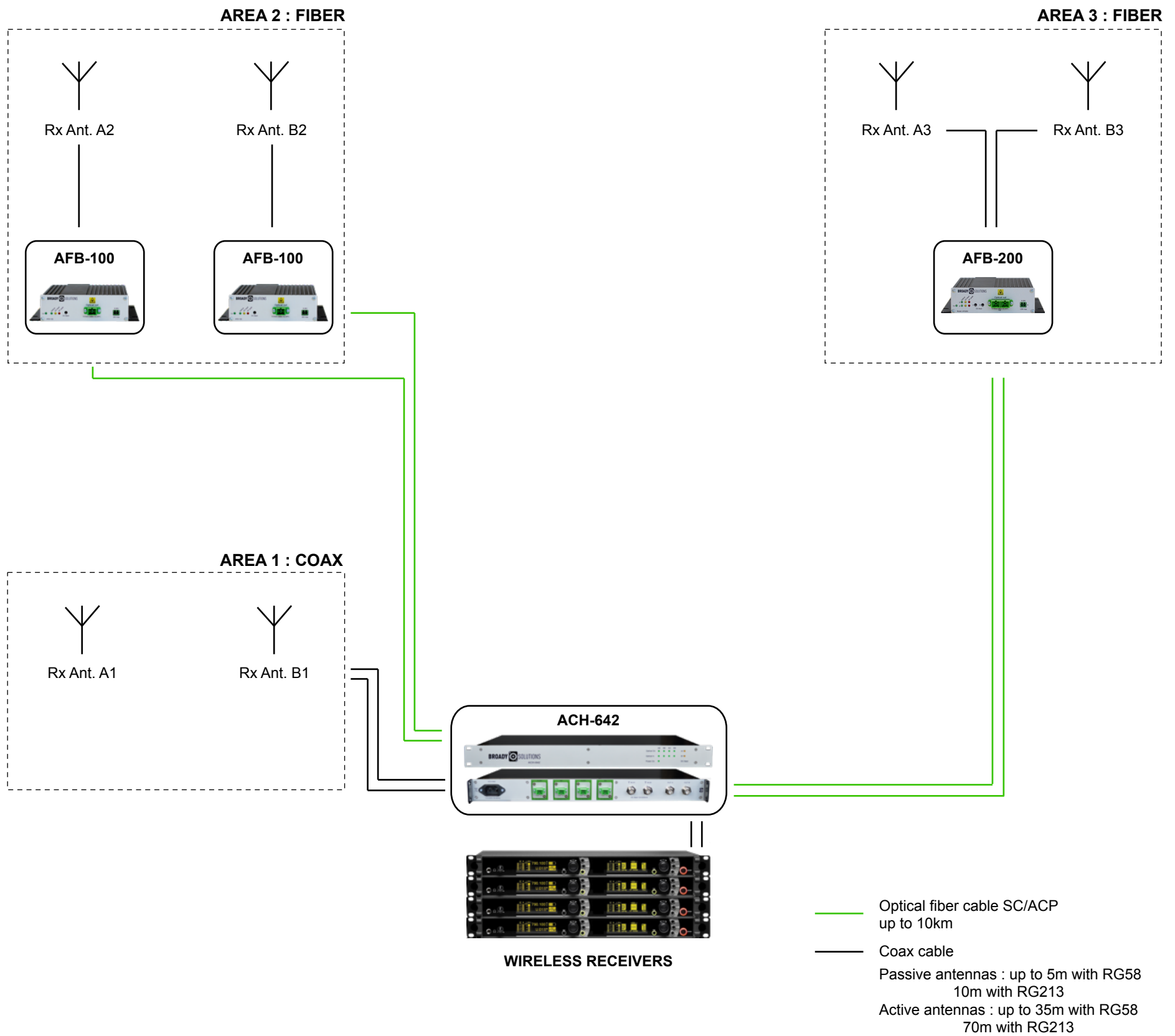
Application Examples

REMOTE ANTENNAS FOR SOUND CARTS

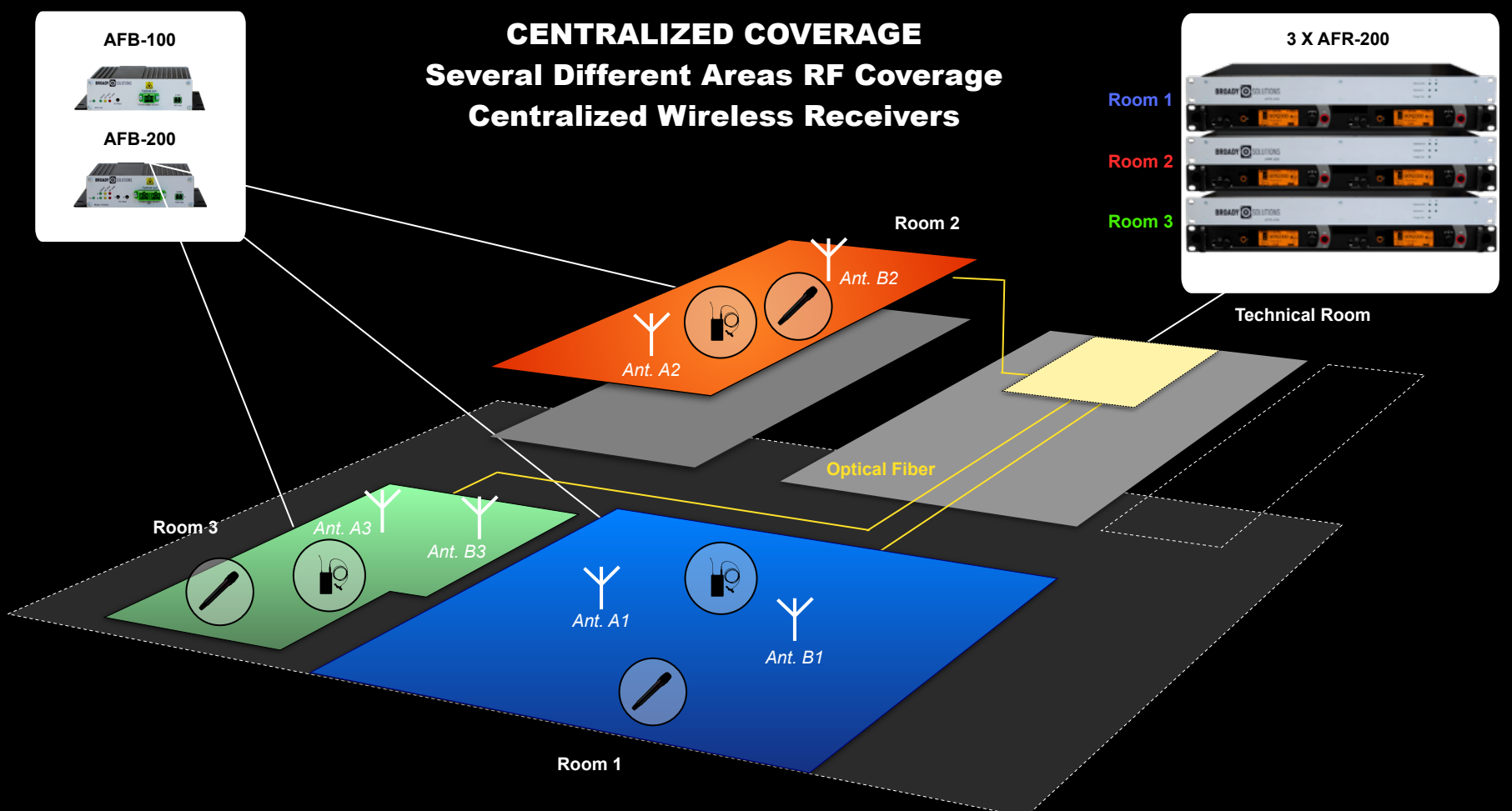
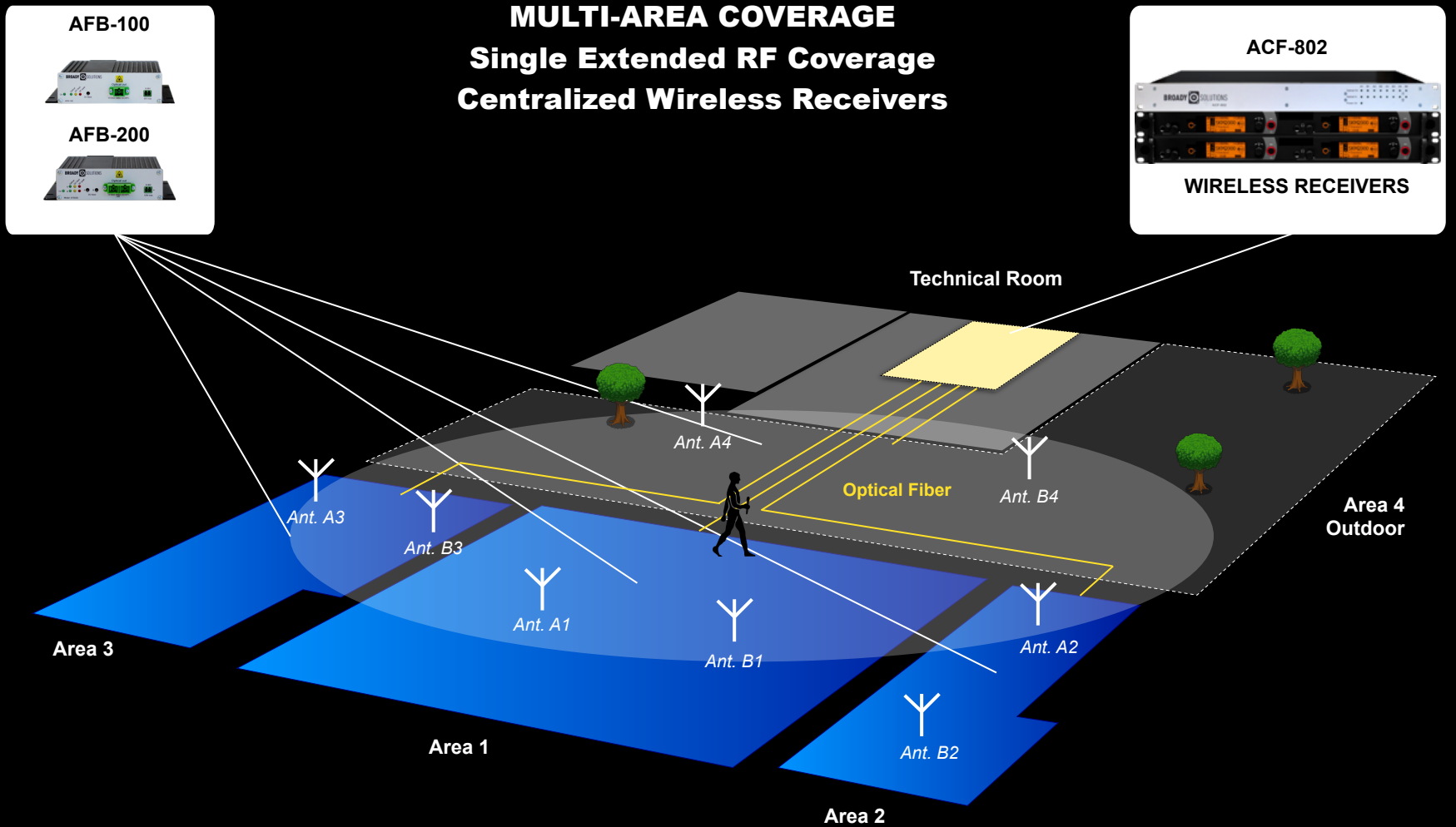


Application Examples

MULTI-AREA COVERAGE FOR WIRELESS MICROPHONES ON INSTALLATION



Application Examples for Installation





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