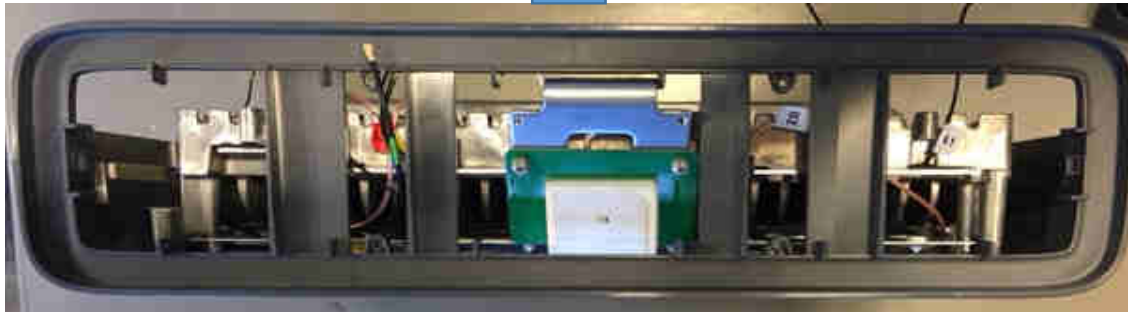


Direction B = Indoor Sector

2W B41 eNB + Wifi



Direction A = Outdoor Sector

Mode 1

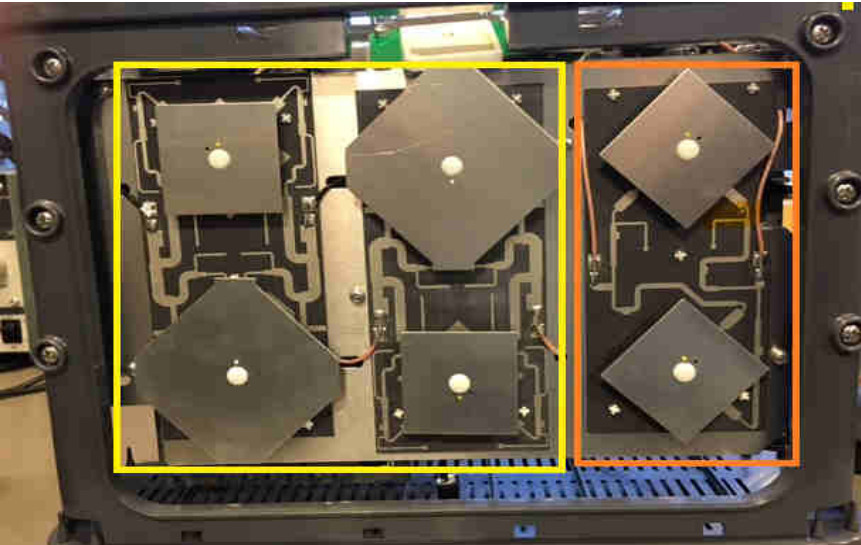
5W B41 eNB + UE Relay in B41 at 2 x 23dBm

Mode 2

5W B41 eNB + UE Relay in B25 at 2 x 20dBm

Outdoor sector

Backhaul (Band 25) (UE Relay: Sercom)		Access (Band 41) (eNB: Airspan)	
Pout	20 dBm (capped)	27.75 dBm total power (worst case)	
Antenna	6 dBi	10 dBi for both elements combined	
2 x 2	29		
Burst	0.794328235 W	5.956621	
Duty Cycle	1	0.742857	
Average Pout	794.3282347 mW	4424.919 mW	
Total	5219.247015 mW		
20cm Distance from enclosure	0.925861608 mW/cm^2		
Threshold	1 mW/cm^2		
	1.038630156 mW/cm^2		
antenna spacing from enclosure	1.2 cm		

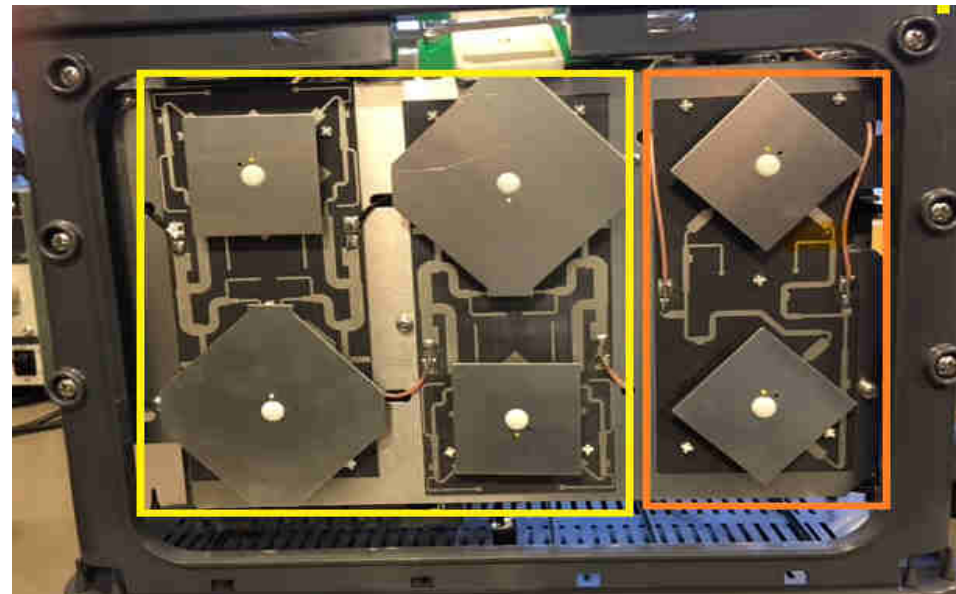


Backhaul Antenna

eNB antenna

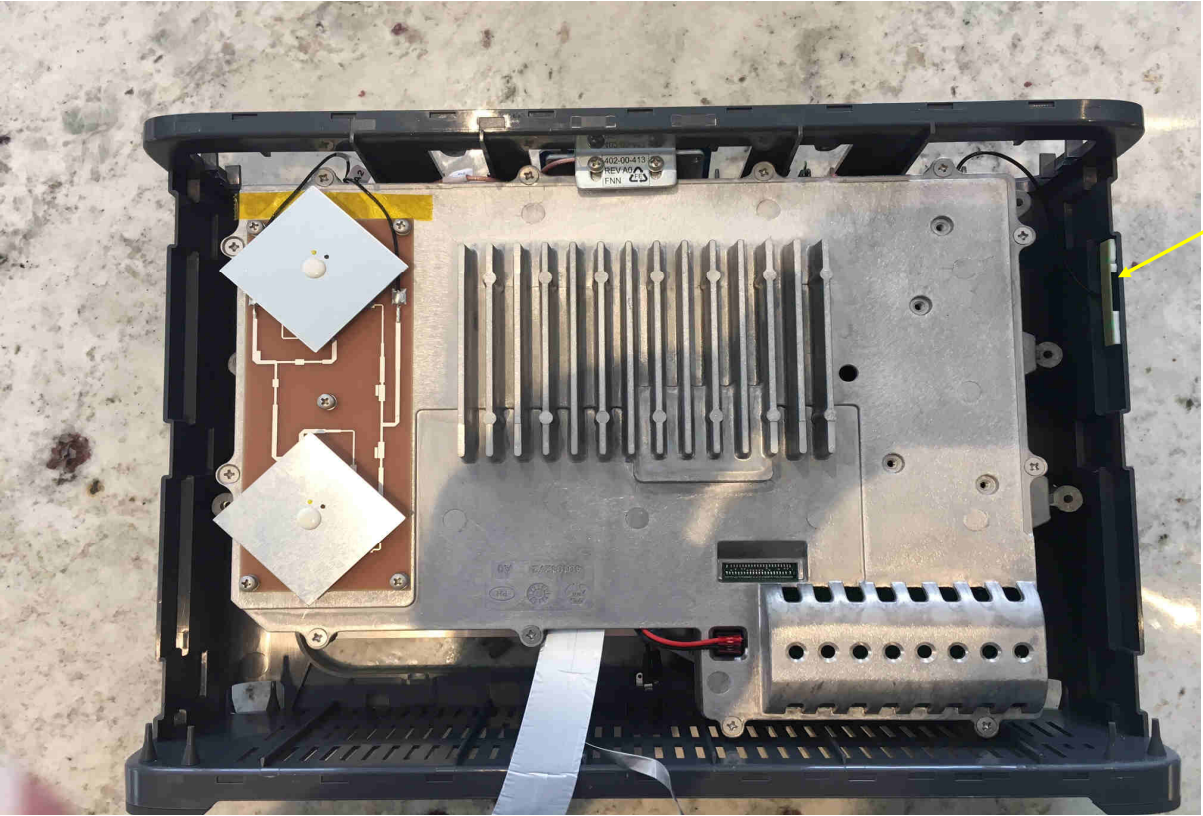
Backhaul (Band 41) (UE Relay: Sercom)	
Pout	23 dBm
Antenna	7.5 dBi
2x2	33.5
Burst	2.238721139 W
Duty Cycle	0.228571429
Average Pout	511.7076888
Total	4936.626469 mW
20cm Distance	0.982110631 mW/cm ²
Threshold	1 mW/cm ²

Access (Band 41) (eNB: Airspan)
27.75 dBm total power (worst case)
10 dBi for both elements combined
5.956621
0.742857
4424.919



Wifi 2.4	
Pout	22.94907 dBm
Antenna	3.2 dBi
1x1	26.14907
Burst	2 W
Duty Cycle	1
Average Pout	2000
Total	4349.121 mW
20cm Distance	0.86523 mW/cm^2
Threshold	1 mW/cm^2
	0.865475 mW/cm^2

Access (Band 41) (eNB: Airspan)	
Pout	23 dBm
Antenna	9 dBi
2 x2	35
Burst	3.162278
Duty Cycle	0.742857
	2349.121



WiFi antenı

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