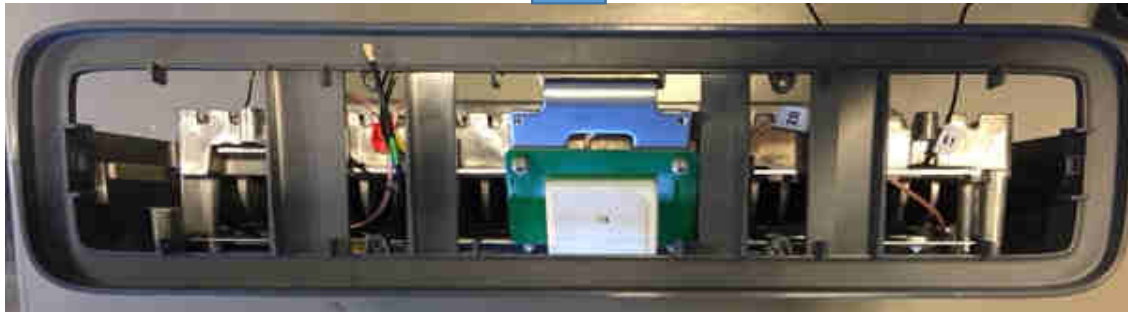


23.51

18.48805

Direction B = Indoor Sector

2W B41 eNB + Dual Band Concurrent Wifi AP



Direction A = Outdoor Sector

Mode 1

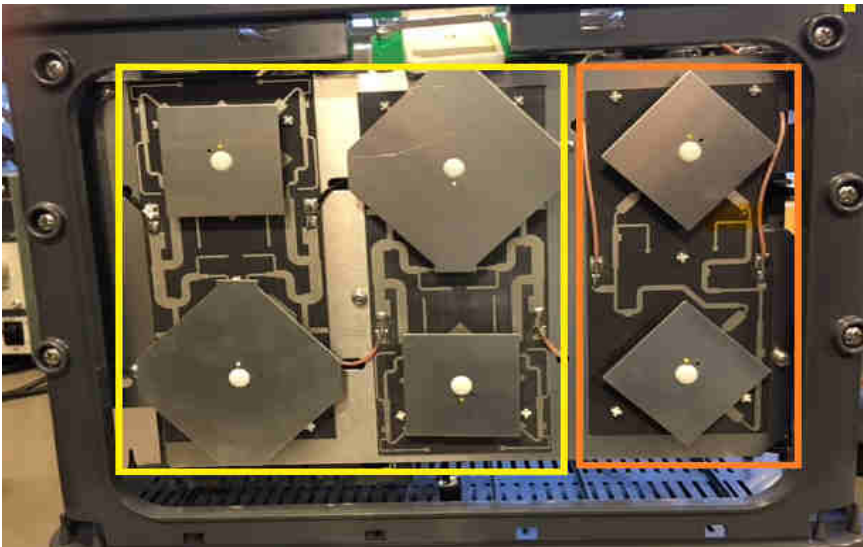
5W B41 eNB + UE Relay in B41 at 2 x 23dBm

Mode 2

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

Outdoor sector

23.51			Access (Ba 18.48805		
(UE Relay: Sercom)			(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				
	0.92612372 mW/cm^2				
antenna spacing from enclosure	1.18 cm				

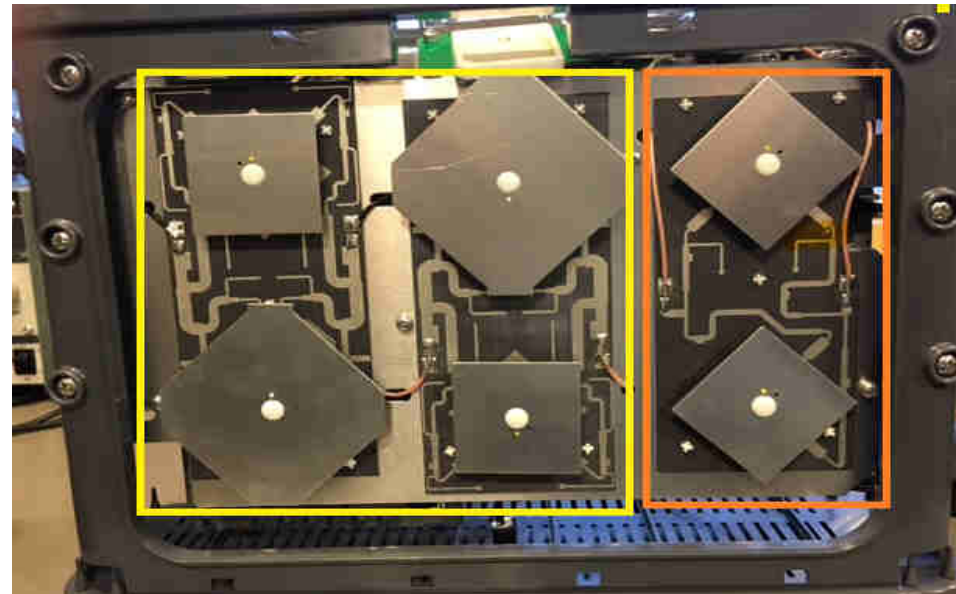


Backhaul Antenna

eNB antenna

Backhaul (Band 41)	
	23.51
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)	
	18.48805
	27.75 dBm total power (worst case)
	10 dBi for both elements combined
	5.956621
	0.742857
	4424.919



	Wifi 2.4		Wifi 5.0		Access (Band 41) (eNB: Airspan)
Pout	23.51 dBm	Pout	18.48805 dBm	Pout	24.12 dBm total power (worst case)
Antenna	7 dBi	Antenna	8 dBi	Antenna	9 dBi for both elements combined
2 x 2	33.51	1x1	26.48805	2 x2	
Burst	2.243882 W	Burst	0.445456 W	Burst	2.051162
Duty Cycle	1	Duty Cycle	1	Duty Cycle	0.742857
Average Pout	2243.882	Average Pout	445.4559		1523.72
Total	4213.058 mW				
20cm Distance	0.838161 mW/cm^2				
Threshold	1 mW/cm^2				
	0.838399 mW/cm^2				

