

**COMMISSIONING CHECK LIST FOR New MACRO BTS's**

Site Name: Wingtip Crossings

Container Type: ARP2D.V/HSC

ITEM DESCRIPTION	OK	FAULT	REMARKS/CORRECTIVE ACTION			
<b>A: ALARM INSPECTION CHECKLIST SAM UNIT</b>						
Ext. 1. Intruder	OK					
Ext. 2. Smoke	OK					
Ext. 3. High Temperature	OK					
Ext. 4. Rectifier Module fail	OK					
Ext. 5. Movement	OK					
Ext. 6. Rectifier System Failure	OK					
Ext. 7. AC Mains fail/Sync alarm	OK					
Ext. 8. Battery Low	OK					
Ext. 9. AC Phase fail	OK					
Ext.10. Equipment over voltage / Battery integrity	OK					
Ext.11. Eskom fail	OK					
Ext.12. Aircraft lights failure (where applicable)	OK					
Ext.13. Both Aircon active		N/A				
Ext.14. Aircon 1 failed	OK					
Ext.15. Aircon 2 failed		N/A				
Ext.16. TMA/VSWR fault		N/A	Radio will report VSWR alarm			
<b>B: ECS COMMISSIONING CHECK LIST:</b>						
ECS card commissioned	CONFIRMED	FAULT				
ECS IP Address	CONFIRMED		10.158.170.178			
ECS Lock engaged after cards loaded	CONFIRMED					
Comms to Sam Unit	CONFIRMED					
Comms to Access Unit	CONFIRMED					
Comms to Rectifier System	CONFIRMED					
Comms to Pom Meter	CONFIRMED					
Comms to Fuel cells (if applicable)		N/A				
Comms to Generator (if applicable)		N/A				
<b>C: BSS POWER INSPECTION CHECKLIST</b>						
Type of power system and size	OK		Delta			
Battery Type, size and quantity	OK		6-GFM-170F X 16			
Number of Modules and Type	OK		RDPR2900B-48 X 6 (Delta Modules)			
Battery Management connected correctly & working	OK					
Batteries and Battery banks labeled	OK					
Cable terminals / Battery connections torqued and greased	OK					
Front panel (damage)	OK					
Display panel functionality	OK					
Manual on site	OK					
Generator Access		N/A				
<b>D: LOGISTICAL</b>						
Labeling correctly done:	CONFIRMED	FAULT				
Optics	CONFIRMED					
ETH cables	CONFIRMED					
RRU power cables	CONFIRMED					
DC breakers	CONFIRMED					
General:						
Site name boards	CONFIRMED					
BS number	CONFIRMED		BS 0111206			
Abloy locks	CONFIRMED		Gate lock: Rooftop Container lock: NM			
AC Lights	CONFIRMED					
DC lights	CONFIRMED					
Scan site onto Omnix		N/A	See Scanning Sheet			
<b>E: BTS FUNCTIONALITY CHECKLIST</b>						
Check SMS confirmation	2G	OK	√	√	√	
Check SMS confirmation	3G	OK	√	√	√	
Check Voice Call's	2G	OK	√	√	√	
Check Voice Call's	3G	OK	√	√	√	
Check Data Call's 3G	3G	OK	√	√	√	
Check Video Call's	3G	OK	√	√	√	
Check upload and download speed	2G	OK	√	√	√	
Check upload and download speed	3G	OK	√	√	√	
Dial 111 for Customer Care		OK				
Dial 112 for Emergency Services		OK				
Dial 124 for Reporting Stolen Telephones		OK				
Dial 147 for Emergency Services		OK				
Dial 10111 for nearest Police Station		OK				
<b>F: GPS coordinates And height of the antennas</b>						
GSP Coordinates	S 25.65885797		E28.243854241			
Height of the Antennas	Roof Top					

Site Name:Wingtip\_Crossing

2019/02/22

## Huawei Equipment:

No	OMNIX PART No	PART DESCRIPTION	Qty	SN	Remark
1	H-RRU.2102311BPD	RRU3959 for Multi-Mode 900MHz (2*60W)	1	2102311BPD4MH5006182	
2	H-RRU.2102311BPD	RRU3959 for Multi-Mode 900MHz (2*60W)	1	2102311BPD6TH7401352	
3	H-RRU.2102311BPD	RRU3959 for Multi-Mode 900MHz (2*60W)	1	2102311BPD6TH7400456	
4	H-RRU3959.2102310PWP	RRU3959 for Multi-Mode 1800MHz (2*60W)	1	2102310PWP6TH5400161	
5	H-RRU3959.2102310PWP	RRU3959 for Multi-Mode 1800MHz (2*60W)	1	2102310PWP6TH3401804	
6	H-RRU3959.2102310PWP	RRU3959 for Multi-Mode 1800MHz (2*60W)	1	2102310PWP6TH3401903	
7	H-RRU3832.2102310LYX	RRU3832 for WCDMA/LTE 2100M (2 x 60W)	1	2102310LYX10F6000736	
8	H-RRU3832.2102310LYX	RRU3832 for WCDMA/LTE 2100M (2 x 60W)	1	2102310LYX10FC001440	
9	H-RRU3832.2102310LYX	RRU3832 for WCDMA/LTE 2100M (2 x 60W)	1	2102310LYX10G4000473	
10	80020892	Kathrein Penta band 2.6m	1	XKK4429498	
11	80020892	Kathrein Penta band 2.6m	1	XKK4754722	
12	80020892	Kathrein Penta band 2.6m	1	XKK4220505	
13	H-BBU BOX.2102310VTE	BBU Box	1	2102310VTE6TJ4907083	
14	H-BBU.2102310WYG	HERT BBU Serial Number for Connection	1	2102310WYG6TJ4907133	
15	H-DCDU-12.2102120731	DC Power Distribution Unit	1	2102120731N0H1009633	
16	H-DCDU-12.2102120731	DC Power Distribution Unit	1	21021207316TH4906791	
17	H-FANd.2102311CHK	FANs for BBU3910	1	2102311CHK6TJ4906680	
18	H-UBBPd6.022HEM	Universal Main Processing Unit e6	1	022HEM10J4012166	
19	H-UBBPd6.022HEM	Universal Main Processing Unit d6	1	022HEM10J4012190	
20	H-UBBPd6.022HEM	Universal Main Processing Unit d6	1	022HEM10J4007739	
21	H-UMPTb2.2103057252	Universal Main Processing Transmission unit (4 W1 1)	1	210305725210J4004433	
22	H-UPEUd.2102310SFM	Power and Environment Interface unit (-48)	1	2102310SFMUJH7039998	
23	H-UPEUd.2102310SFM	Power and Environment Interface unit (-48)	1	2102310SFMUJ2014005	
24	ARP2D.V/HSC	ARP 2 DOOR High Security Cabinet (Green)	1	V/SA/18/6412	

## Batteries and Rectifier:

No	OMNIX PART No	PART DESCRIPTION	Qty	SN	Remark
1	6-GFM-170F	Narada Batteries 170Ah	1	2000177913	
2	6-GFM-170F	Narada Batteries 170Ah	1	2000177914	
3	6-GFM-170F	Narada Batteries 170Ah	1	2000177915	
4	6-GFM-170F	Narada Batteries 170Ah	1	2000177912	
5	6-GFM-170F	Narada Batteries 170Ah	1	2000177587	
6	6-GFM-170F	Narada Batteries 170Ah	1	2000177586	
7	6-GFM-170F	Narada Batteries 170Ah	1	2000177585	
8	6-GFM-170F	Narada Batteries 170Ah	1	2000177584	
9	6-GFM-170F	Narada Batteries 170Ah	1	2000177963	
10	6-GFM-170F	Narada Batteries 170Ah	1	2000177962	
11	6-GFM-170F	Narada Batteries 170Ah	1	2000177961	
12	6-GFM-170F	Narada Batteries 170Ah	1	2000177960	
13	6-GFM-170F	Narada Batteries 170Ah	1	2000177607	
14	6-GFM-170F	Narada Batteries 170Ah	1	2000177606	
15	6-GFM-170F	Narada Batteries 170Ah	1	2000177605	
16	6-GFM-170F	Narada Batteries 170Ah	1	2000177604	
17	RZ-2900-61-6-A	Rectifier System (Delta)	1	113174800000433863	
18	RDPR2900B-48	Rectifier Module (Delta)	1	Z3180403763W0	
19	RDPR2900B-48	Rectifier Module (Delta)	1	Z3180605863W0	
21	RDPR2900B-48	Rectifier Module (Delta)	1	Z3180605883W0	
22	RDPR2900B-48	Rectifier Module (Delta)	1	Z3180605364W0	
23	RDPR2900B-48	Rectifier Module (Delta)	1	Z3180606094W0	
24, 5	RDPR2900B-48	Rectifier Module (Delta)	1	Z3180605380W0	

## ECS, SAM Unit, Access &amp; Pom &amp; Container

No	OMNIX PART No	PART DESCRIPTION	Qty	SN	Remark
1	00UMC00215DOO	SAM-MC Main Controller	1	10-18-085374	
2	00UMC00215	SAM E1 Communicator System	1	10-18-085374	
3	00ECSPLAN00	SAM 2 ECS ECS 2 Commis Controller Ethernet / LAN excluding enclosure	1	10-18-085374	
4	00UAC00215D00	SAM-ACU SAM Aircon Box	1	10-18-085374	
5	00UMP00215DOO	SAM-AMM AC Mains Monitor	1	10-18-085374	
6	00UAW00215DOO	SAM-AWLM Aircraft Warning Light Monitor	1	10-18-085374	
7	00UFC00215D00	SAM-FC FREE Cooling Board: 00UFC00215D00	1	10-18-085374	
8	00UTL00215DOO	SAM-FP (Front panel): 00UTL00215DOO	1	10-18-085374	
9	00ACUNITRS1200	SAM-ACC Access Controller	1	08-18-085335	
10	00UNT00215DOO	SAM-MC 1 Relay and Power : 00UNT00215DOO	1	10-18-085374	
11	ARP2D.V/HSC	ARP HSC (Container)	1	V/SA/18/6412	
12	ZMD310CT44.0007	LANDIS & GYR Meter	1	40743632/03/2018	
13	B2	LANDIS & GYR Meter B2 Communication Module	1	40681673/03/2018	
14	WWA09HR	ALLIANCE Airconditioner - 9000 BTU	1	240455341057a070150259	