

SDD FOR EXPANSION

SoW: Dualband Antenna Swapped, RRU
(LTE1800), COMBINER & CARDS

Region: South
Site ID: YN0303

Prepared (also subject responsible if other) EMZ/ Honey Tun		Document No. 001 51-SITE ID: YN0303 Uen		
Doc respons/Approved ETV/OJA Hung Vu	Checked	Date 2018-02-20	Rev. Exp	File SDD_YN0303_Exp

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1 GENERAL SITE DATA

- | | | | | |
|-----|---------------------------|--|----------|----------|
| 1.1 | Geographical coordinates | Long: 96.04845 | | |
| | | Lat: 16.90021 | | |
| 1.2 | Region | South | | |
| 1.3 | Address | No_1155/A/B, Min Kyaw Swar 1st Street, 20 Ward, Hla xx | | |
| 2.5 | Antenna height (m.a.g.l.) | A= xx | B= xx | C= xx |
| 2.6 | Antenna directions | A= xx | B= xx | C= xx |
| 2.7 | Mech/Elec Downtilt, deg | A= x°/x° | B= x°/x° | C= x°/x° |

3 SCOPE OF WORK FOR PROCESSING CARD ADDITIONAL (LTE1800)

- | | | |
|-----|------------------------------------|---|
| 3.1 | Type of Expansion | PROCESSING CARD ADDITIONAL (LTE1800) |
| 3.2 | Scope of Work | - Remove existing Processing Cards (IF REQUIRED)
- Install new Processing Cards on existing BBU
- Return dismantled materials to WH (IF REQUIRED) |
| 3.3 | No. of Processing Cards Additional | 1 |
| 3.4 | Additional Processing Cards type | UBBPd6 |
| 3.5 | No. of Processing Cards Removed | N/A |
| 3.6 | Processing Cards removed type | N/A |

4 SCOPE OF WORK FOR DUAL-BAND ANTENNA SWAPPED

- | | | |
|-----|---------------------------|---|
| 4.1 | Type of Expansion | DUAL-BAND ANTENNA SWAPPED |
| 4.2 | Scope of Work | - Dismantle existing Antennas
- Install new Dual-band antenna
- Make site on-air with Dual-band Antennas
- Return dismantled materials to WH |
| 4.3 | No. of Antenna Additional | 3 pcs |
| | Antenna model | ADU451807v01 |
| 4.5 | Antenna type | DXX-790-960/1710-2180-65/65-17.5i/18.5i M/M |

5 SCOPE OF WORK FOR 3G RRU (LTE1800) ADDITIONAL

- | | | |
|-----|-----------------------------|--|
| 5.1 | Type of Expansion | RRU (LTE1800) ADDITIONAL |
| 5.2 | Scope of Work | - Install new RRU3959(L1800)
- Make site on-air with RRU3959(L1800) |
| 5.3 | No. of L1800 RRU Additional | 3 pcs |
| 5.4 | Additional L1800 RRU Model | 02311BYE |
| 5.5 | Additional L1800 RRU type | RRU3959 |

7 SCOPE OF WORK FOR COMBINER ADDITIONAL

- | | | |
|-----|----------------------------|--|
| 7.1 | Type of Expansion | COMBINER ADDITIONAL |
| 7.2 | Scope of Work | - Install new Commscope Combiner
- Install new Jumper cable
- Make site on-air with Combiner |
| 7.3 | No. of Combiner Additional | 1 pcs |
| 7.4 | Additional Combiner Model | E1105P82 |

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No.	WH No.	DESCRIPTION	QTY/ UNIT
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I. MATERIALS ADDITIONAL FOR EXPANSION

1 DBS3900 Materials

1.1 RRU (L1800)

02311BYE	RRU3959 for Multi-mode 1800MHz (2*60W)	3 PCS
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1.2 Processing Cards

03022HEM	UBBPd6 - Universal Baseband Processing Unit d6	1 PCS
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2. ANTENNA SYSTEM

ADU451807v01	DXX-790-960/1710-2180-65/65-17.5i/18.5i M/M	3 PCS
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2.1 RET MATERIAL

ATCB-DB9-005	RET control cable 5m with male DB9 and female AISG connector	3 PCS
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ATCB-DB9-005	RET control cable 5m with male DB9 and female AISG connector	3 PCS
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2.2 Installation Materials

04130697-001	RF Cable, 3m, DIN50SM-II, COAX50-8.7/3.55, 4.3-10SM, 1/2 Inch Superflexible Jum	PCS
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04130068	RF Cable, 6m, DIN50SM-II, COAX50-8.7/3.55, DIN50SM-II, 1/2 Inch Superflexible Ju	PCS
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14130792	80m, Optical Cable Assembly, DLC/PC, DLC/PC, Multi-mode, GYFJH 2A1a(LSZH), 7. PCS	PCS
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25030429	Power Cable, 450V/750V, 60227 IEC 02(RV), 16mm^2, Yellow/Green, 85A, CCC, CE (M	PCS
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25030891	Power Cable, 300V, UL2464, 2x10AWG, Black(2Cores:Blue,Black), 42.5A, Shielding (M	PCS
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27150086	Cable Fixing Clamp, 6 Runs(2x3 stacks), C Type Bracket, for Optical Cable + 3	PCS
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02237428	DBS Antenna Feeder Installation Auxiliary Kit Per Sector, General Area	4 PCS
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34060365	Optical Transceiver, eSFP, 850nm, 4.25G multi-rate, -9dBm~-1.5dBm, -15dBm, i	6 PCS
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3 COMMSCOPE COMBINER

E1105P82	E1105P82_Combiner	1 PCS
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UNIT	PRODUCT CODE	REV	SERIAL No.	MFG.DATE
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I. MATERIALS ADDITIONAL FOR EXPANSION

RRU (L1800)		
RRU3959	02311BYE	2102311BYE4MHC000341
RRU3959	02311BYE	2102311BYE4MHC000149
RRU3959	02311BYE	2102311BYE4MHC000106

PROCESSING CARDS

UBBPd6	03022HEM	022HEM6TH1602032
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ANTENNA

DXX-790-960/1710-2180-65/65-17.5i/18.5i M/M	ADU451807v01	NA
DXX-790-960/1710-2180-65/65-17.5i/18.5i M/M	ADU451807v01	N01520003210
DXX-790-960/1710-2180-65/65-17.5i/18.5i M/M	ADU451807v01	9E15C5000760

COMBINER

E1105P82 Combiner	E1105P82	K3943098
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Site Location



Tower View



Top of Tower View



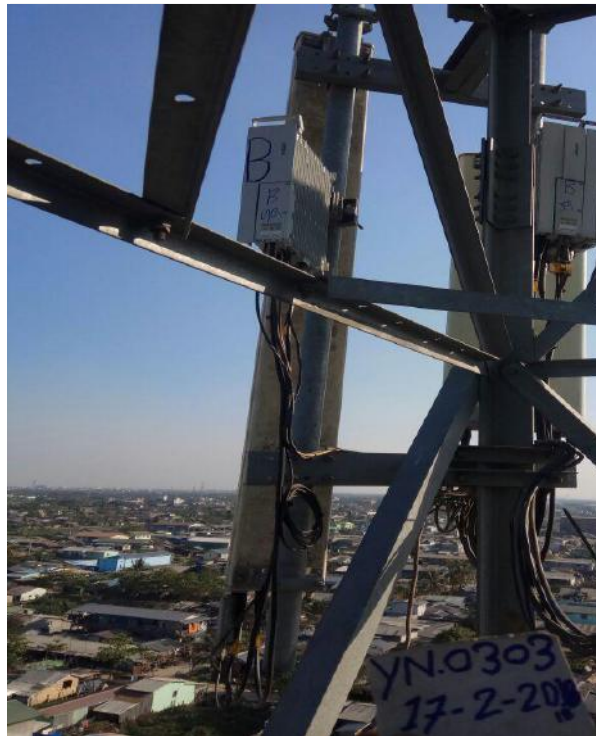
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Dual-Band Antenna Cell A



Dual-Band Antenna Cell B



Dual-Band Antenna Cell C



Card Additional



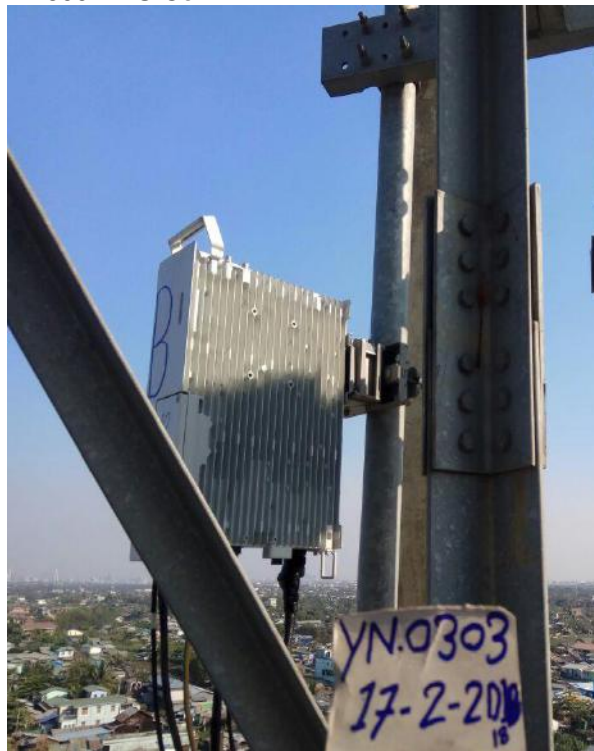
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L1800 RRU Cell A



L1800 RRU Cell B



L1800 RRU Cell C



Earth Bar of L1800 RRU



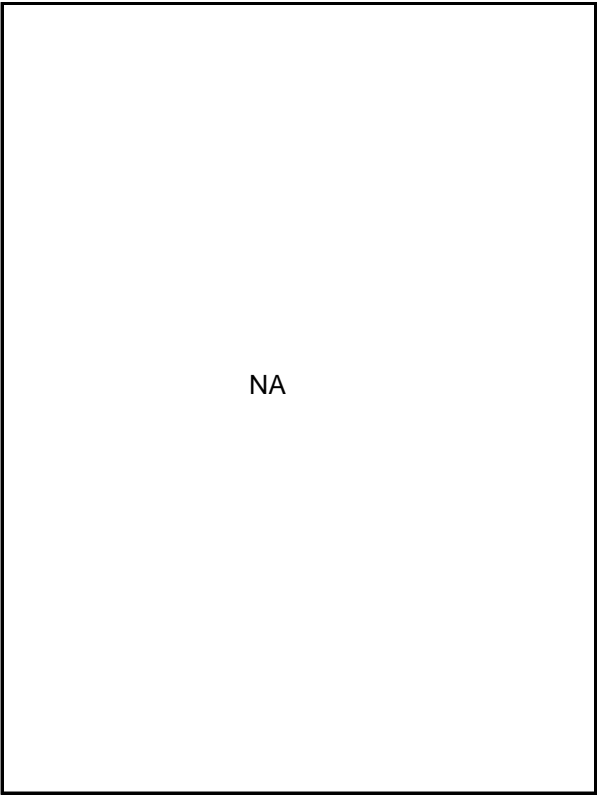
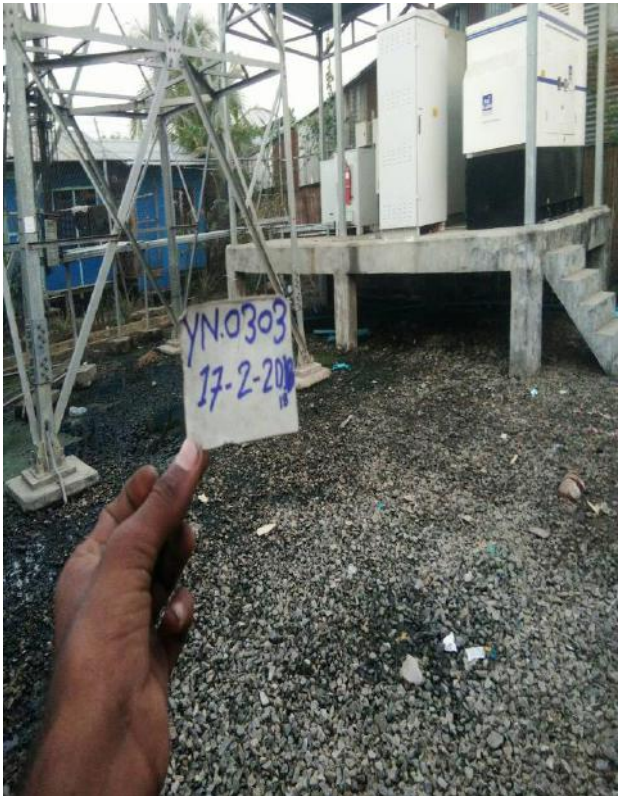
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Combiner



Site Area Cleaned



NA

Site Area cleaned



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NETWORK ELEMENT ACCEPTANCE CERTIFICATE

This is to certify that Ericsson Radio Systems AB has delivered, installed and intergrated the following Network Elements on site **YN0303**.

The Network element acceptance has been performed in accordance with the procedures described in above mentioned contract.

Further reference should be made to the acceptance documents. The Network element passed the acceptance.

For Project

For FSO

Signature:

Signature:

Name:

Name:

Date:

Date: