

RADIO SITE DESIGN DOCUMENTATION FOR EXPANSION

SoW: Swap to 8 Port Antenna & RRU 4415 B3

Region: North
Site ID: MD1209

Prepared (also subject responsible if other) EMZ/ Zaw Thu Aung		Document No. 001 51-/MD1209 Uen		
Doc respons/Approved ETV/OJA Hung Vu	Checked	Date 2019-05-24	Rev. 0	File SDD_MD1209_

Project: **Telenor Myanmar**Site: **MD1209****1 GENERAL SITE DATA**

- | | | |
|-----|--------------------------|---|
| 1.1 | Geographical coordinates | Long: 96.07339
Lat: 21.95354 |
| 1.2 | Region | North |
| 1.3 | Address | Field No(435)Ma Lar Kar Chan Ward,4 Island Chan Th
0 |
| 1.4 | Type of Site | Green Field |
| 1.5 | Equipment location | Outdoor cabinet |
| 1.6 | Floor material | Concrete |

2 SCOPE OF WORK FOR 8 PORT ANTENNA SWAPPED

- | | | |
|-----|---------------------------|---|
| 2.1 | Type of Expansion | 8 PORT ANTENNA SWAPPED |
| 2.2 | Scope of Work | - Dismantle existing Antennas
- Install new 8 Port antenna
- Make site on-air with 8 Port Antennas
- Return dismantled materials to WH |
| 2.3 | No. of Antenna Additional | 3 pcs |
| 2.4 | Antenna model | RV3-65D-R4-V |
| 2.5 | Antenna type | RV3-65D-R4-V2 ANT-2LB,6HB,65DEG,4RET |
| 2.6 | No. of Antenna Return | 3 pcs |
| 2.7 | Return Antenna model | RVV65D-C3-3XR |
| 2.8 | Return Antenna type | Multi-band,694–960/2x1695–2690,65,3xInternal RET |

3 SCOPE OF WORK FOR RRU 4415 B3 SWAPPED

- | | | |
|-----|----------------------------|--|
| 3.1 | Type of Expansion | Swap to 8 Port Antenna & RRU 4415 B3 |
| 3.2 | Scope of Work | - Install RRUS 4415 B3
'- dismantle Existing RRUS
- Make site on-air with RRU 4415 B3
- Return dismantled materials to WH |
| 3.3 | No. of RRU Additional | 3 pcs |
| 3.4 | Additional L1800 RRU Model | KRC 161 637/1 |
| | Additional L1800 RRU type | RRUS 4415 B3 |
| | No. of Return RRU | 3 pcs |
| | Return L1800 RRU Model | KRC161619/1 |
| | Return L1800 RRU type | RRUS 2219 B3 |

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No.	WH No.	DESCRIPTION	QTY/ UNIT
MATERIALS ADDITIONAL FOR UPGRADE			
1	ANTENNA SYSTEM		
1.2	RV3-65D-R4-V2	Commscope Antenna, 8-port sector ant,2x694–960 & 6x 1695–2690 MHz, 65° horiz	3 Pcs
2	RRU 4415 B3		
2.1	KRC161637/1	TRANSCEIVER/Radio 4415 B3;Radio Unit	3 Pcs
3	Installation Materials		
3.1	ATCB-B01-005	RET cable	9 Pcs
3.2	RNT44732/02	CONNECTOR/Circular Power cable connector	3 Pcs
3.3	SXK1091973/1	Multi ERS Support, Steel	3 Pcs
MATERIALS RETURN TO WH			
4	ANTENNA SYSTEM		
4.1	RVV65D-C3-3XR	Multi-band Antenna, 694–960 and 2x 1695–2690 MHz, 65° horiz	3 Pcs
5	RRU		
5.1	KRC161619/1	TRANSCEIVER/RRUS 2219 B3;Radio Unit	3
5.2	RNT44732/02	Power Connector for RRU	3
5.3	SXK1091973/1	Pole Bracket	3

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UNIT **PRODUCT CODE** **REV** **SERIAL No.** **MFG.DATE**

I. MATERIALS ADDITIONAL FOR EXPANSION

Antenna			
Commscope Antenna, 8-port sector a	RV3-65D-R4-V2	18IN023381487	
Commscope Antenna, 8-port sector a	RV3-65D-R4-V2	18IN023385045	
Commscope Antenna, 8-port sector a	RV3-65D-R4-V2	18IN023384175	
RRUS 4415 B3;Radio Unit			
RRUS 4415 B3;Radio Unit	KRC161637/1	CD3ZB62954	
RRUS 4415 B3;Radio Unit	KRC161637/1	CD3ZB62957	
RRUS 4415 B3;Radio Unit	KRC161637/1	CD3ZB62960	

2. MATERIALS RETURN TO WH

Antenna			
Multi-band Antenna, 694–960 and 2x	RVV65D-C3-3XR		
Multi-band Antenna, 694–960 and 2x	RVV65D-C3-3XR		
Multi-band Antenna, 694–960 and 2x	RVV65D-C3-3XR		
RRUS			
RRUS 2219 B3;Radio Unit	KRC161619/1		
RRUS 2219 B3;Radio Unit	KRC161619/1		
RRUS 2219 B3;Radio Unit	KRC161619/1		

SITE PHOTO

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Site Location



Tower View



SITE PHOTO

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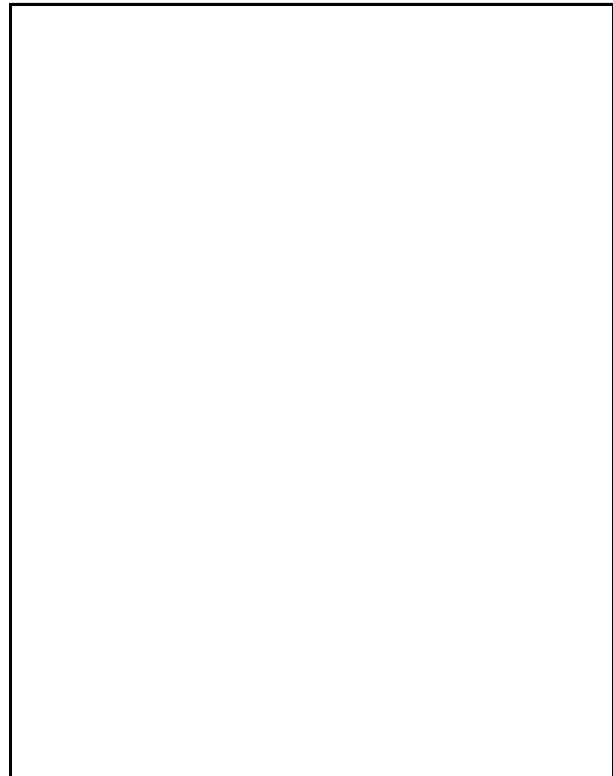
8 Port Antenna Cell A



8 Port Antenna Cell B



8 Port Antenna Cell C



SITE PHOTO

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RRUS 4415 B3 Cell A



RRUS 4415 B3 Cell B



RRUS 4415 B3 Cell C



Earth Bar for RRU



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Sites Area Cleaned Photo



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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 **MD1209**.

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: