


RADIO SITE DESIGN DOCUMENTATION

Region: South
Site ID: AY1647

Rev. TT26 2016-08-16

ERICSSON 	
CAPTION LIST	
Document No. 001 53-IPA 166 2057/AY1647 Uen	
Date 2019-03-25	Rev. A

SITE DESIGN DOCUMENTATION



AY1647
GSM900 & WCDMA2100
Huawei DBS3900

ATTENTION

This documentation must be updated on site. All the documents must be corrected, where changes have occurred, and signed by the Installation Supervisor.

This documentation must then be returned to Installation Engineering for hand-over to Customer.

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Prepared (also subject responsible if other) EMZ/ EI EI KHINE		Document No. 001 51-IPA 166 2057/AY1647 Uen		
Doc respons/Approved EMZ/Manoj Kumar	Checked	Date 2019-03-25	Rev. A	File SDD_AY1647_A

Project: Telenor Myanmar**Site: AY1647**

<u>Document name</u>	<u>Document number</u>	<u>Rev.</u>
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Site Photos	PHT-09:0001-IPA 166 2057/AY1647 Uer	A
9 OTHERS		
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EMZ/ EI EI KHINE		001 51-IPA 166 2057/AY1647 Uen		
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EMZ/Manoj Kumar		2019-03-25	A	SDD_AY1647_A

Project: Telenor Myanmar

Site: AY1647

1 GENERAL SITE DATA

1.1	Geographical coordinates	Long: 95.18524 Lat: 17.67949
1.2	Region	South
1.3	Address	Thanat Khone Village, Kwal Thauang Village Group, Ingapu Township Green Field
1.4	Type of Site	Outdoor cabinet
1.5	Equipment location	Concrete
1.6	Floor material	

2 TECHNICAL DATA RBS SYSTEM

GSM900

2.1	System	GSM900
2.2	RBS type	Huawei DBS3900
2.3	No. of sector	3
2.4	No. of carrier	3/3/3
2.5	No. of Remote Radio Unit (RRU)	3
2.6	RRU type	RRU3959
2.7	Mechanical Dimensions RRU (mm) WxDxH	300x120x400
2.8	Weight for one RRU	14kg / 15kg (with cover)

WCDMA2100

2.9	System	WCDMA2100
2.10	No. of sector	3
2.11	No. of carrier	2/2/2
2.12	No. of Remote Radio Unit (RRU)	3
2.13	RRU type	RRU3826
2.14	Mechanical Dimensions RRU (mm) WxDxH	300x120x400
2.15	Weight for one RRU	14kg / 15kg (with cover)
2.16	Mechanical Dimensions DBS(mm) WxDxH	442x310x86
2.17	Weight for one DBS (fully equiped)	12kg
2.18	Power supply	-48V DC
2.19	Power consumption (maximum)	300W (DBS) + 350W (RRU)
2.20	Mains circuit breaker	30A + 6x30A
2.21	Heat dissipation of DBS (maximum)	300W (with FAN) / 650W (with FANc)

3 TECHNICAL DATA CABINET

3.1	Type of cabinet	180000399636 (ZTE Cabinet)
3.2	Mechanical Dimensions (mm) WxDxH	700Wx700Dx2300H
3.3	Free space for equipment	xxxx

4 TECHNICAL DATA RBS ANTENNA SYSTEM

4.1	Antenna height (m.a.g.l.)	A= 43	B= 43	C= 43
4.2	Antenna directions	A= 20°	B= 100°	C= 210°
4.3	Mech/Elec Downtilt, deg	A= 2°/0°	B= 2°/0°	C= 2°/0°
4.4	Quantity of Antenna	3 pcs		
4.5	Antenna model	ADU451807v01		
4.6	Antenna type	DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M		
4.7	Antenna dimensions LxWxD (mm)	2535 x 259 x 135		
4.8	Weight of one antenna (kg)	#		
4.9	Wind load (N)	Frontal:	910	(at 150 km/h)
		Lateral:	470	(at 150 km/h)
		Rear:	1200	(at 150 km/h)
4.10	No. of Fiber Optic	6 pcs		
4.11	Length of Fiber Optic	70m		

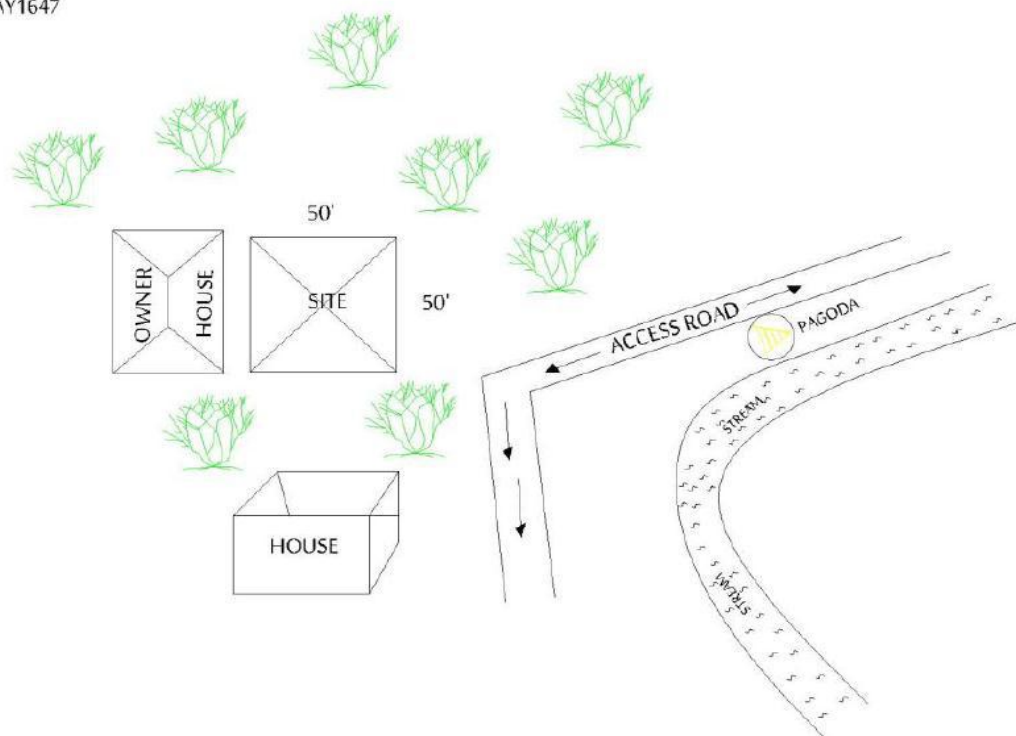
5 TECHNICAL DATA RBS ANTENNA SUPPORT STRUCTURE

5.1	Tower/mast/pole type	GBT 45m
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Project: Telenor Myanmar
Site ID: AY1647
Drawing: Situating Plan Drawing
153 38-IPA 166 2057/AY1647 Uen

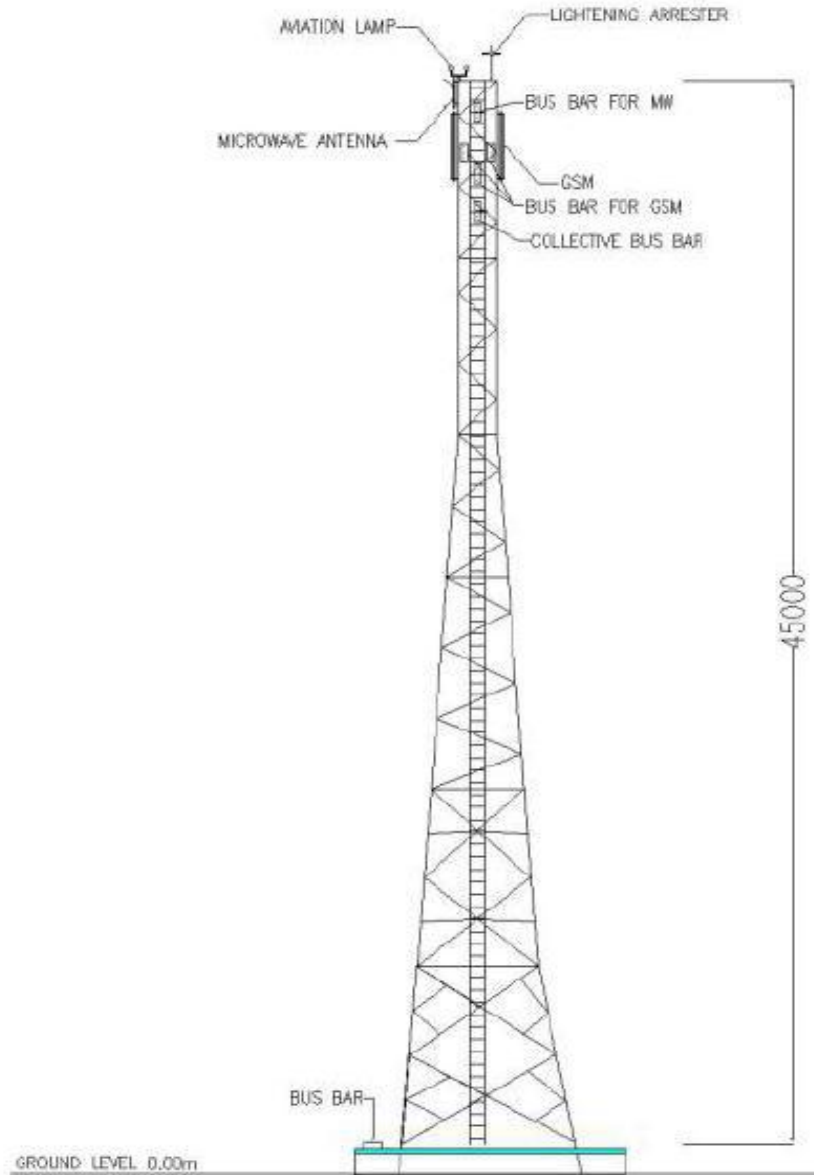
Geographical coordinates
Long (E): 95 ° 11 ' 6.86 "
Lat (N): 17 ° 40 ' 46.16 "

AY1647



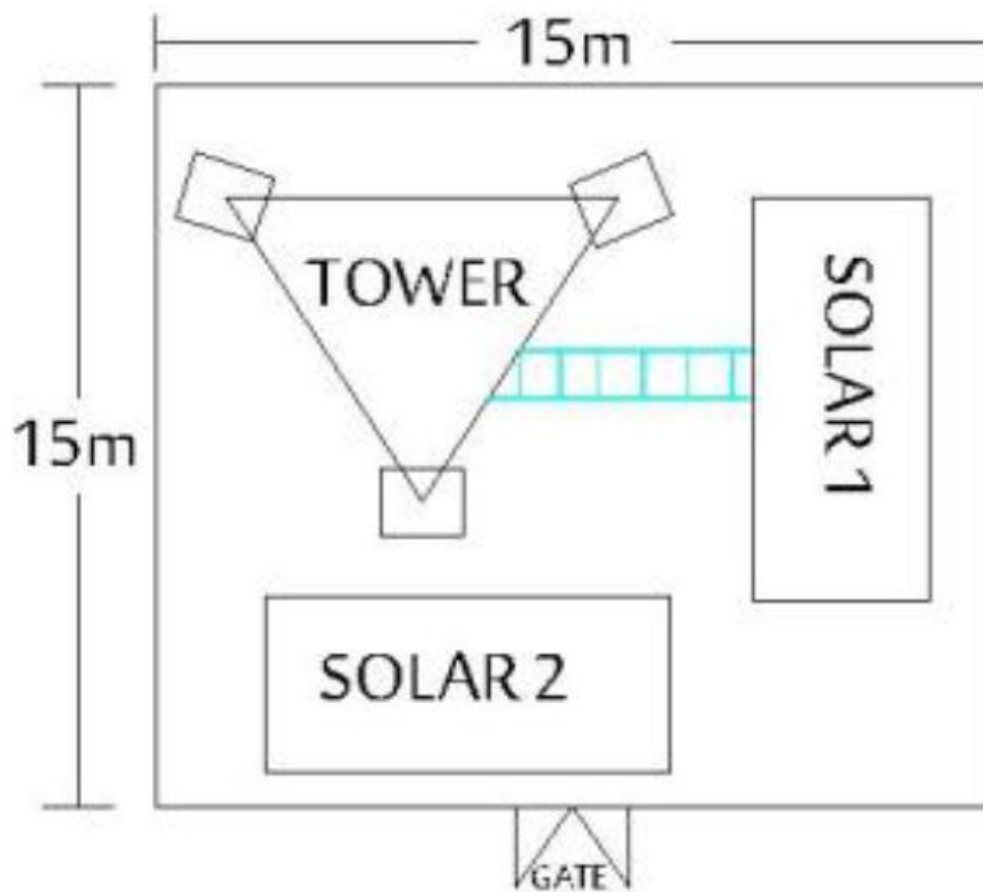
Project: Telenor Myanmar
Site ID: AY1647
Drawing: Antennas Placement Drawing
153 12-IPA 166 2057/AY1647 Uen

Geographical coordinates
Long (E): 95 ° 11 ' 6.86 "
Lat (N): 17 ° 40 ' 46.16 "



Project: Telenor Myanmar
Site ID: AY1647
Drawing: Cable Way Drawing
193 24-IPA 166 2057/AY1647 Uen

Geographical coordinates
Long (E): 95 ° 11 ' 6.86 "
Lat (N): 17 ° 40 ' 46.16 "



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EMZ/ EI EI KHINE		1/127 11-IPA 166 2057/AY1647 Uen		
Doc respons/Approved	Checked	Date	Rev.	File
EMZ/Manoj Kumar		2019-03-25	A	SDD_AY1647_A

Project **Telenor Myanmar**Site: **AY1647**

No.	WH No.	DESCRIPTION	QTY/ UNIT
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1. DBS3900 EQUIPMENT**1.1 DBS3900 (GSM S3/3/3+WCDMA S2/2/2), DC -48V**

29080025	MBTS DBS Cable Suite Label	1 PCS
02319940	BBU Box	1 PCS
02315639	Universal Environment Interface control Unit	1 PCS
03054887	Universal Main Processing & Transmission Unit (4 E1&1 Electrical FE/GE&1	1 PCS
..03054885	-- Universal Main Processing & Transmission unit with 4E1 and 2FE/GE inte	1 PCS
..04050386	-- IT Equipment Cable, For BBU local maintenance adapter, 0.38m, USB3.0 s	1 PCS
34060365	Optical Transceiver, eSFP, 850nm, 4.25G multi-rate, -9dBm~-1.5dBm, -15dBm	6 PCS
02311AHG	RRU3959 for Multi-mode 900MHz (2*60W)	3 pcs
02239349	3900 Series DBS, Site Auxiliary Material Kit(G/U/L)	1 PCS
29040907	DKBA8.807.0202, Outdoor label, cBTS3612, 55*20*0.5, GE 8B35, T0.5	4 PCS
29080032	Feeder Engineering label(Multi-Feeder System)	4 PCS
29080025	MBTS DBS Cable Suite Label	1 PCS
29040907	DKBA8.807.0202, Outdoor label, cBTS3612, 55*20*0.5, GE 8B35, T0.5	4 PCS
29080032	Feeder Engineering label(Multi-Feeder System)	4 PCS
34060365	Optical Transceiver, eSFP, 850nm, 4.25G multi-rate, -9dBm~-1.5dBm, -15dBm	6 PCS
02310KKQ	RRU3826 for WCDMA 2100MHz (80W)	3 PCS
03021VHD	Baseband Processing Unit (6Cell, CE:UL384/DL512)	1 PCS
03022HEM	Universal Baseband Processing Unit d6	1 PCS
02237428	DBS Antenna Feeder Installation Auxiliary Kit Per Sector, General Area	6 PCS
04130065	RF Cable, 2m, DIN50SM-II, COAX50-8.7/3.55, DIN50SM-II, 1/2 Inch Superflexi	12 PCS
04070012	Signal Cable, Shielded Straight Through Cable, 10m, MP8-II, CC4P0.5GY(S), I	1 PCS
25030191	Wire, 450/750V, 60227 IEC 02(RV) 6mm^2, Yellow/Green, 44A(Unit: meter)	2 M

1.2 Installation cable

14130622	70m, Optical Cable Assembly, DLC/PC, DLC/PC, Multi-mode, GYFJH 2A1a(L5	6 PCS
25030429	Wire, 450/750V, 60227 IEC 02(RV) 16mm^2, yellow green, 85A, With a packag	18 M
25030671	Power Cable, 300V, UL2464, 3.31mm^2, 2x12AWG, Black Jacket(2Cores:Blue	348 M
27150086	Fixing clip, locked 3pcs optical cables and 3pcs power cables, 1 board 6, Sta	58 PCS

2. ANTENNA SYSTEM

27010881-001	Directional Antenna, DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M, 4*7/16	3 PCS
27150243	Downtilt Kit-C Type	3 PCS

3. RET MATERIAL

04070097	Signal Cable, AISG Communication cable, 5m, D9M+D9(PS)(W), CC4P0.5PB	6 PCS
27150136	Antenna Feeder Accessories, RCU136, Agisson RET Antenna RCU, Antenna	6 PCS

4. CABINET

180000399636	ZXDUPA-WR12(V2.6R03M15)outdoor power cabinet M(040000.F1))	1 PCS
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5. INSTALLATION MATERIALS

02231GJH	Embedded Environment Monitoring Unit	1 PCS
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193 19-IPA 166 2057/AY1647 Uen

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2019-03-25

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Project: Telenor Myanmar

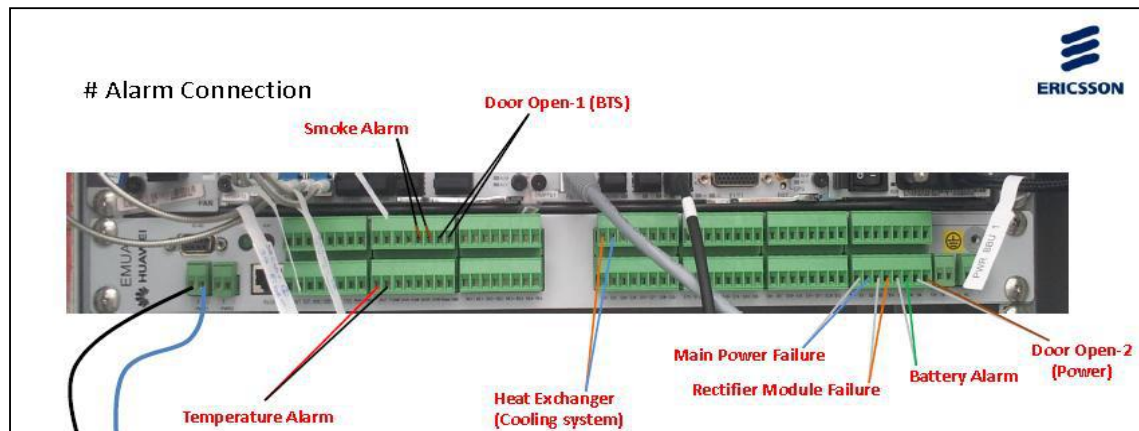
Site: AY1647

ALLOCATION TABLE: ALARMS

1. DBS3900

Temperature

No.	Alarm	Type	Physical port
1	Main Power Failure	Breaking	
2	Rectifier Module Failure	Breaking	
3	Battery Alarm	Breaking	
4	Door Open-1 (BTS)	Breaking	
5	Door Open-2 (Power)	Breaking	
6	Temperature Alarm	Breaking	
7	Smoke Alarm	Breaking	
8	Heat Exchange	Breaking	

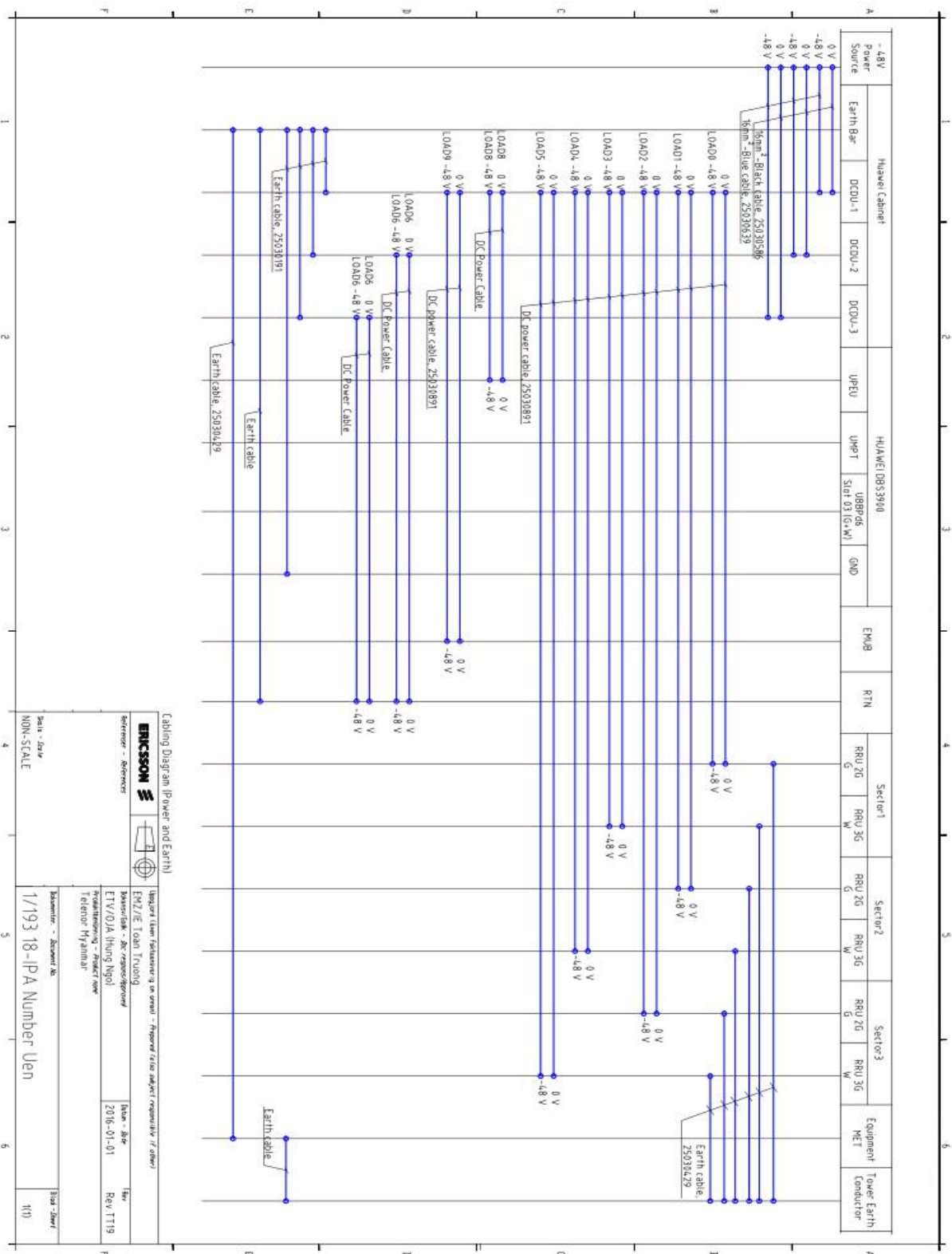


Closing: the alarm cable is open when no alarms are present

Breaking: the alarm cable is closed when no alarms are present

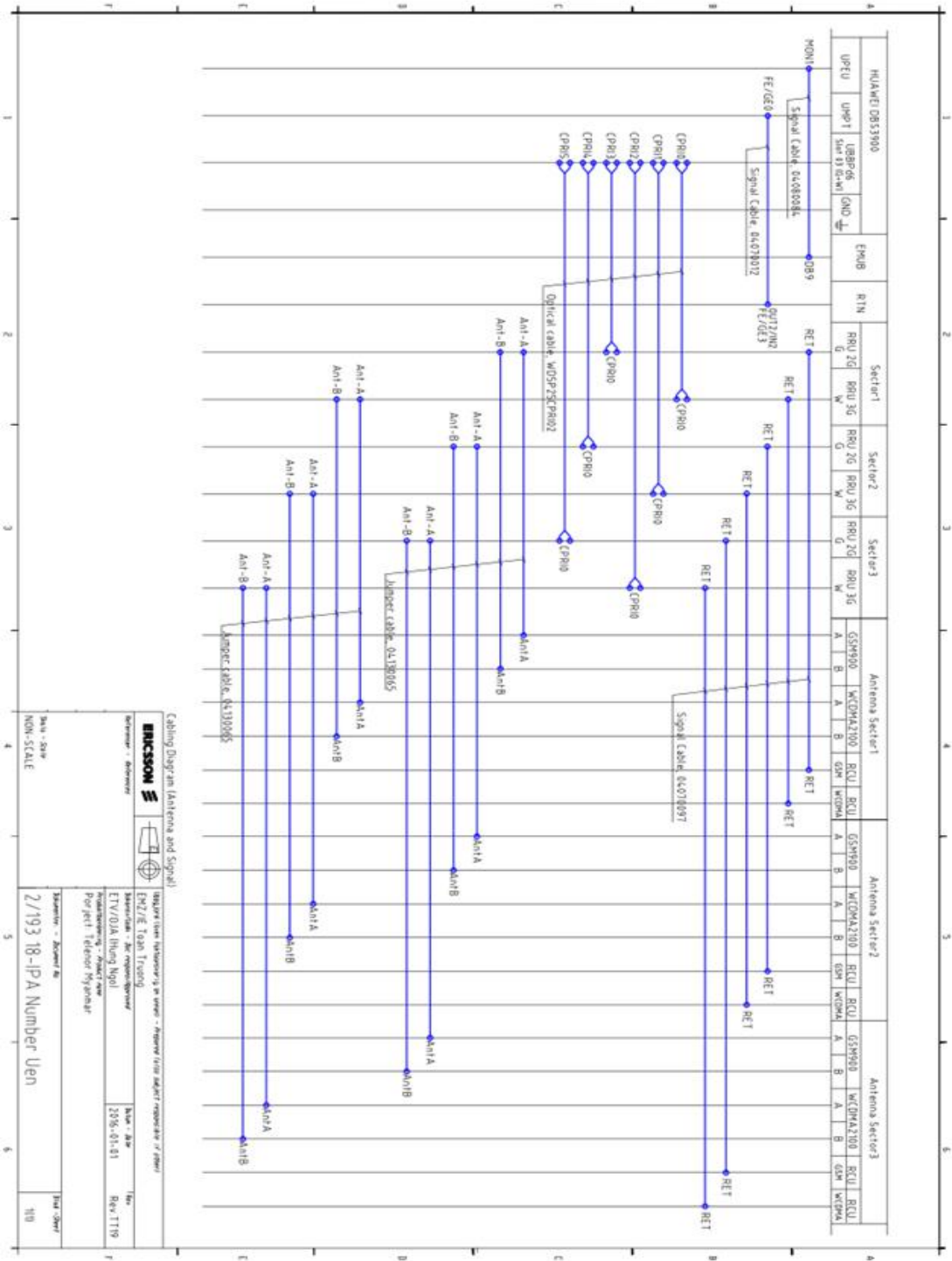
** Need to mark from site after alarm configuration

Geographical coordinates
Long (E): 95 ° 11 ' 6.86 "
Lat (N): 17 ° 40 ' 46.16 "



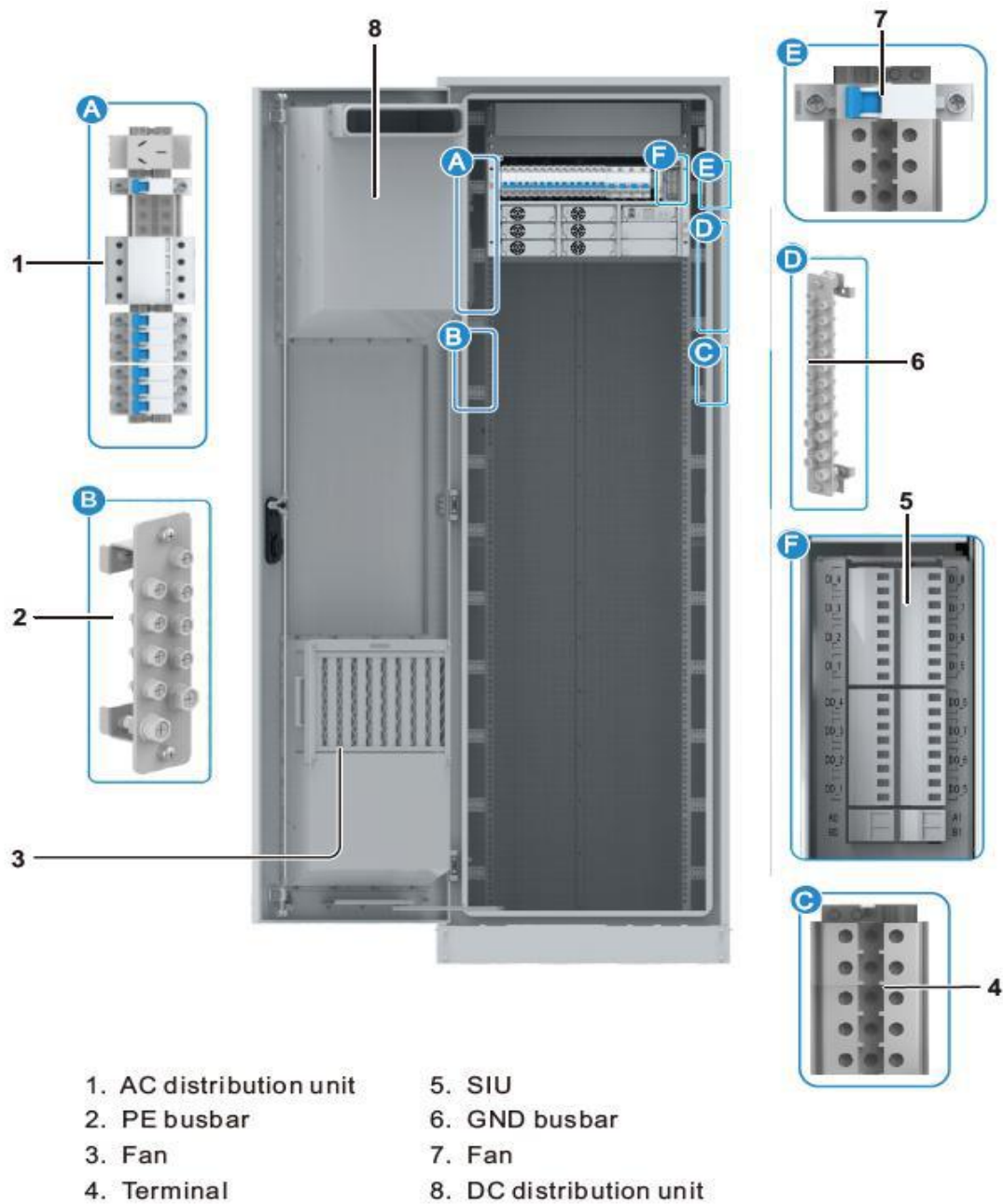
Project: Telenor Myanmar
Site ID: AY1647
Drawing: Cabling Diagram (Signal & Antenna)
2/193 18-IPA 166 2057/AY1647 Uen

Geographical coordinates
Long (E): 95 ° 11 ' 6.86 "
Lat (N): 17 ° 40 ' 46.16 "



Project: Telenor Myanmar
Site ID: AY1647
Drawing: Allocation Drawing Cabinet
193 26-IPA 166 2057/AY1647 Uen

Geographical coordinates
Long (E): 95 ° 11 ' 6.86 "
Lat (N): 17 ° 40 ' 46.16 "



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Project: Telenor Myanmar
Site: AY1647

INSTALLATION CHECK LIST

OK = Correctly installed, NOK = Not Correctly installed, N/A = Not applicable

A. CABINET		OK	NOK	N/A	COMMENTS
1.	Cabinet clean and undamaged	OK			
2.	Cabinet installed according to SID	OK			
3.	Cable lead-in (cable gland)	OK			
4.	DCPU connected to correct fuse	OK			
5.	DC cable for RRU and BBU properly connected	OK			
6.	Grounded, washers in place and bolts tightened	OK			
7.	Grounding cable insulation undamaged	OK			

B. BBU Box		OK	NOK	N/A	COMMENTS
1.	Equipment clean and undamaged	OK			
2.	Installed according to allocation drawing	OK			
3.	BBU securely fixed to rack or cabinet	OK			
4.	Boards are firmly fixed in slot; screws are fastened	OK			
5.	Power cable connected to correct fuse	OK			
6.	All cables in the front properly connected	OK			
7.	All screws tightened to correct torque	OK			
8.	No cables damaged	OK			
9.	Equipment labeled according to SID	OK			
10.	Grounded, washers in place and bolts tightened	OK			
11.	Grounding cable insulation undamaged	OK			
12.	All cables have enough extra length to enable the removal of the BBU without damaging or disconnecting the cables?	OK			

C. RRU (REMOTE RADIO UNIT)		OK	NOK	N/A	COMMENTS
1.	RRU clean and undamaged	OK			
2.	RRU installed as specified in SID	OK			
3.	RRU properly aligned horizontally & vertically	OK			
4.	RRU mounting bracket tightened properly	OK			
5.	RRU Grounding installed and connected to MET	OK			
6.	Connector jumper tightened and sealed	OK			
7.	Installation cover for optical cable tightened	OK			
8.	RET cables routed correctly and tightened	OK			
9.	Power socket securely & correctly attached	OK			
10.	Protective covers installed on unused ports	OK			
11.	Optical cable undamaged	OK			
12.	Equipment labeled according to SID	OK			
13.	Protective covers, dust caps, and terminations plugs are installed on unused ports?	OK			
14.	RET cable is correctly connected to ALD ctrl connector and tightened	OK			

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Project: Telenor Myanmar
Site: AY1647

D. ANTENNA SYSTEM - RADIO	OK	NOK	N/A	COMMENTS
1. Antenna system installed as specified in SID	OK			
2. Height, Azimuth and Tilt checked	OK			
3. No cables or connectors damaged	OK			
4. RF cables properly labeled	OK			
5. Connectors properly connected	OK			
6. Minimum bending of the RF cables correct	OK			radius of 50mm
7. Correct cable connected to correct antenna port	OK			
8. RET cable correctly connected & tightened	OK			
9. Optical cables properly connected and strapped	OK			
10. Minimum bending of the optical cables correct	OK			radius of 40mm
11. Antenna support bonded to tower	OK			
12. Tower legs earthed (minimum 2 legs)	OK			

E. CONCLUDING ROUTINES	OK	NOK	N/A	COMMENTS
1. SID marked for as-built	OK			
2. Labeling of the external cables	OK			
3. Painting of cabinet scratching	OK			
4. Site area cleaned	OK			
5.				

All installation activities have been completed [**NO**] [**YES**] (if no, specify below)

YES

Problems/Comments (Refer to applicable activity numbers)

Accepted by (Telenor)	Responsible Engineer (Ericsson)
Signature: _____	Signature: _____
Print Name: _____	Print Name: _____
Date: _____	Date: _____

Prepared (also subject responsible if other)

Document No.

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Checked

Date

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2019-03-25

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Project: Telenor Myanmar

Site: AY1647

MANPOWER	NOS.
1 Site Supervisor	1
2 Team Leader	2
3 Technician	3
4 Laborers	2
5 Others	1
6	
7	
8	
9	
10	
11	
12	

EQUIPMENT USED	NOS.
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

WORK ACTIVITIES:

Health & Safety Observation/Check list	OK	NOK	N/A	Comments
1 Safety Shoe	OK			
2 Safety Gloves	OK			
3 Safety Helmets	OK			
4 Safety Belts	OK			
5 Arrangement for Emergency Evacuation	OK			
6 Arrangement for Emergency Communication	OK			
7 Arrangement for First Aid	OK			
8 Arrangement for Toilets / Washing	OK			
9 Site Safety Protection	OK			
10 Security Guard at site	OK			

OTHER MATTERS / ISSUES:

OHS confirmed by (ASP): _____ Signature: _____ Print Name: _____ Date: _____	Checked and Verified by: Ericson Myanmar Co. Ltd. Signature: _____ Print Name: _____ Date: _____
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EMZ/ EI EI KHINE		1/153 83-IPA 166 2057/AY1647 Uen		
Doc respons/Approved	Checked	Date	Rev.	File
EMZ/Manoj Kumar		2019-03-25	A	SDD_AY1647_A

Project: Telenor Myanmar
Site: AY1647

Test Record for Site Installation Verification

Tester Name: xxx	Date: xxx
Site ID: AY1647	Site Name: xxx
RBS Type: Huawie DBS3900	Cell Configuration: G900 - S3/3/3

NE Standalone test

	Pass	Fail	N/A	Remark
Incoming voltage verified	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Circuit breaker with correct rating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cable connection inspected	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cables properly labeled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Check configuration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fault Status Read	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Internal alarm tested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
External alarm tested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Antenna system test	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Notes:

Accepted by (Telenor)	Responsible Engineer (Ericsson)
Signature: _____	Signature: _____
Print Name: _____	Print Name: _____
Date: _____	Date: _____

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Doc respons/Approved EMZ/Manoj Kumar	Checked	Date 2019-03-25	Rev. A	File SDD_AY1647_A

Project: Telenor Myanmar
Site: AY1647

Test Record for Site Integration

Tester Name: xxx	Date: xxx
Site ID: AY1647	Site Name: xxx
RBS Type: Huawie DBS3900	Cell Configuration: G900 - S3/3/3

	IP	VLAN
Abis over IP		
OAM		

VOICE, SMS, MMS, SPEED TEST

Cell	MO/MT Voice Call	SMS	MMS	THROUGHPUT/SPEED TEST	
				Download	Upload
Cell 1					
Cell 2					
Cell 3					
Cell 4					
Cell 5					
Cell 6					

HANDOVER TEST

A to B	A to C	B to A	B to C	C to A	C to B	Remark

EXTERNAL ALARM TEST

Alm#	Designation	Type	Pass	Fail	Remarks
01		Closing			
02		Breaking			
03					
04					
05					
06					
07					
08					

Remarks: _____

Accepted by (Telenor) Signature: _____ Print Name: _____ Date: _____	Responsible Engineer (Ericsson) Signature: _____ Print Name: _____ Date: _____
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Project: Telenor Myanmar

Site: AY1647

Test Record for Site Hardware Status

Tester Name:	Date:
xxx	xxx
Site ID:	Site Name:
AY1647	xxx
RBS Type:	Cell Configuration:
Huawie DBS3900	G900 - S3/3/3

Power System

Unit	Product number	Serial
DC power		
Rectifier Module #1	180000339153	291002405297
Rectifier Module #2	180000339153	291002405270
Rectifier Module #3	180000339153	291002404936
Rectifier Module #4	180000339153	291002405278
Battery		

Antenna

Unit	Product number	Serial
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01	N01520003342
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01	N/A
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01	N/A

RBS Cabinet

Unit	Product number	Serial
BBU3900	2319940	2102310WYG6THB918087
RRU3959 sector A	02311AHG	2102311AHG4MG1000353
RRU3959 sector B	02311AHG	2102311AHG4MG1000226
RRU3959 sector C	02311AHG	2102311AHG4MG1003421

Remarks: _____

Accepted by (Telenor)	Responsible Engineer (Ericsson)
Signature: _____	Signature: _____
Print Name: _____	Print Name: _____
Date: _____	Date: _____

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Project: Telenor Myanmar
Site: AY1647

Test Record for Site Installation Verification

Tester Name: xxx	Date: xxx
Site ID: AY1647	Site Name:
RBS Type: Huawie DBS3900	Cell Configuration: W2100 - S2/2/2

NE Standalone test

	Pass	Fail	N/A	Remark
Incoming voltage verified	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Circuit breaker with correct rating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cable connection inspected	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cables properly labeled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IDB parameter set	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fault Status Read	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Internal alarm tested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
External alarm tested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Antenna system test	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Notes:

Accepted by (Telenor)	Responsible Engineer (Ericsson)
Signature: _____	Signature: _____
Print Name: _____	Print Name: _____
Date: _____	Date: _____

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Doc respons/Approved EMZ/Manoj Kumar	Checked	Date 2019-03-25	Rev. A
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Project: **Telenor Myanmar**Site: **AY1647****Test Record for Site Integration**

Tester Name: xxx	Date: xxx
Site ID: AY1647	Site Name:
RBS Type: Huawie DBS3900	Cell Configuration: W2100 - S2/2/2

	IP	Checked
NODE B		
OAM Link		
RNC Name		

VOICE, VIDEO, SMS, MMS, SPEED TEST

Sector	Carrier	MOBILE ORIGINATING/MOBILE TERMINATING				THROUGHPUT/SPEED	
		Voice call	Video call	SMS	MMS	Download	Upload
Sector 1	1						
	2						
Sector 2	1						
	2						
Sector 3	1						
	2						
Sector 4	1						
	2						
Sector 5	1						
	2						
Sector 6	1						
	2						

HANDOVER TEST

1 to 2	1 to 3	2 to 1	2 to 3	3 to 1	3 to 2	Remark

EXTERNAL ALARM TEST

Alm#	Designation	Type	Pass	Fail	Remarks
01		Closing			
02		Breaking			
03					
04					
05					
06					
07					
08					

Remarks: _____

Accepted by (Telenor)	Responsible Engineer (Ericsson)
Signature: _____	Signature: _____
Print Name: _____	Print Name: _____
Date: _____	Date: _____

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Doc respons/Approved EMZ/Manoj Kumar	Checked	Date 2019-03-25	Rev. A	File SDD_AY1647_A

Project: **Telenor Myanmar**Site: **AY1647****Test Record for Site Integration**

Tester Name: xxx	Date: xxx
Site ID: AY1647	Site Name:
RBS Type: Huawie DBS3900	Cell Configuration: W2100 - S2/2/2

Power System

Unit	Product number	Serial
DC power		
Rectifier Module #1	180000339153	291002405297
Rectifier Module #2	180000339153	291002405270
Rectifier Module #3	180000339153	291002404936
Rectifier Module #4	180000339153	291002405278
Battery		

Antenna

Unit	Product number	Serial
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01	N01520003342
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01	N/A
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01	N/A

RBS Cabinet

Unit	Product number	Serial
BBU3900	2319940	2102310WYG6THB918087
RRU3826 sector A	02310KKQ	2102310KKQ4MEA001201
RRU3826 sector B	02310KKQ	2102310KKQ4MF2000583
RRU3826 sector C	02310KKQ	2102310KKQ4ME6001848

Remarks:

Accepted by (Telenor)	Responsible Engineer (Ericsson)
Signature: _____	Signature: _____
Print Name: _____	Print Name: _____
Date: _____	Date: _____

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Project: Telenor Myanmar
Site: AY1647

UNIT	PRODUCT CODE	REV	SERIAL No.	MFG.DATE
DBS3900 GSM900 & WCDMA2100				
BBU 3900 / BBU 3910	02319940 / 02310VTE		2102310WYG6THB918087	
FANC / FANE	2120577 / 02311CHK		2102311CHK6THB913501	
UEIU	02315639		2102315639LUH1001735	
UPEUC / UPEUD2	2319897 / 02310SFM		2102310SFM LUHB015806	
UMPTb1	..03054885		210305488510HC000574	
UBBPd6	03022HEM		022HEM10HB004455	
EMUB	02231GJH		2102310UWTCNH1001647	
RRU3959	02311AHG		2102311AHG4MG1000353	
RRU3959	02311AHG		2102311AHG4MG1000226	
RRU3959	02311AHG		2102311AHG4MG1003421	
RRU3826	02310KKQ		2102310KKQ4MEA001201	
RRU3826	02310KKQ		2102310KKQ4MF2000583	
RRU3826	02310KKQ		2102310KKQ4ME6001848	
ANTENNA				
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01		N01520003342	
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01		N/A	
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01		N/A	
RET				
RCU136,Agisson RET	27150136		HWB9534674821593120	
RCU136,Agisson RET	27150136		HWB0688138951532YQK	
RCU136,Agisson RET	27150136		HWB0136411961542YBQ	
RCU136,Agisson RET	27150136		HWB78364418514225A8	
RCU136,Agisson RET	27150136		HWB32690309614C4617	
RCU136,Agisson RET	27150136		HWB13627147315B059S	
CABINET				
ZXDUPA-WR12(V2.6R03M15)outdoor power ca	180000399636		210093992078	
Lithium Ion Battery 48V,100Ah	UIFP48V100AH-1		P48100XA32180728717	
Lithium Ion Battery 48V,100Ah	UIFP48V100AH-1		P48100XA32180728739	
Lithium Ion Battery 48V,100Ah	UIFP48V100AH-1		P48100XA32180728735	
Lithium Ion Battery 48V,100Ah	UIFP48V100AH-1		P48100XA32180728361	
Lithium Ion Battery 48V,100Ah	UIFP48V100AH-1		P48100XA32180728747	
Rectifier	180000339153		291002405297	
Rectifier	180000339153		291002405270	
Rectifier	180000339153		291002404936	
Rectifier	180000339153		291002405278	

Prepared (also subject responsible if other)

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SDD_AY1647_A

Project: **Telenor Myanmar**Site: **AY1647****Site Location****Tower View****Top of Tower View**

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Document No.

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Date

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File

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Project: **Telenor Myanmar**

Site: **AY1647**

Vertical Cable Ladder (From Top of Tower)



Vertical Cable Ladder (From Bottom of Tower)



Horizontal Cable Ladder



Grounding RRU Power Cable (At Bottom)



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2019-03-25

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SDD_AY1647_A

Project: Telenor Myanmar

Site: AY1647

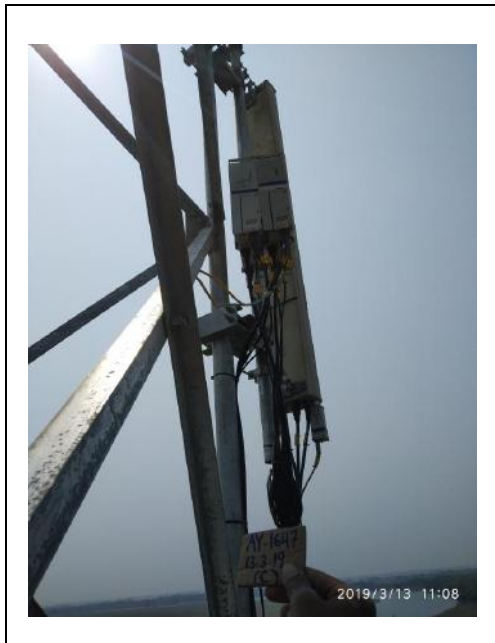
Antenna Cell A



Antenna Cell B



Antenna Cell C



RCU Cell A



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Project: **Telenor Myanmar**

Site: **AY1647**

RCU Cell B



RCU Cell C



RRU 2G Cell A



RRU 2G Cell B



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Project: **Telenor Myanmar**

Site: **AY1647**

RRU 2G Cell C



Earth Bar for RRU 2G



RRU 3G Cell A



RRU 3G Cell B



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Project: Telenor Myanmar

Site: AY1647

RRU 3G Cell C



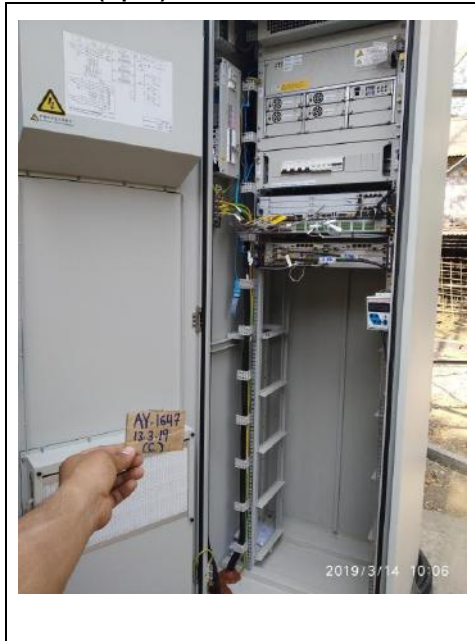
Earth Bar for RRU 3G



Cabinet (Close)



Cabinet (Open)



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Project: **Telenor Myanmar**

Site: **AY1647**

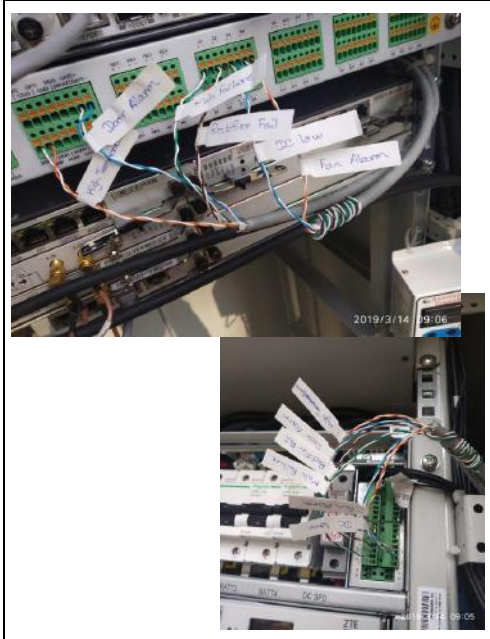
BBU 3900



DCDU



External Alarm Connection (With Clear Label)



Cable Inlet Indoor



Project: Telenor Myanmar
Site: AY1647

AC Power Cable At Telecom Cabinet



AC Power Cable At AC Box



Main Earth Bar In Cabinet



Main Earth Bar For Cabinet



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Project: **Telenor Myanmar**Site: **AY1647****Site Area cleaned****Site Area cleaned**

AY1647

AY1647

Cell A

AY1647

Cell B

AY1647

Cell C

PHOTOS LIST

- 1 Site Location
- 2 Tower View
- 3 Vertical Cable Ladder
- 4 Horizontal Cable Ladder
- 5 Antenna Cell A
- 6 Antenna Cell B
- 7 Antenna Cell C
- 8 RCU Cell A
- 9 RCU Cell B
- 10 RCU Cell C
- 11 RRU 3936 Cell A
- 12 RRU 3936 Cell B
- 13 RRU 3936 Cell C
- 14 RRU 3826 Cell A
- 15 RRU 3826 Cell B
- 16 RRU 3826 Cell C
- 17 Earth Bar for RRU
- 18 Cabinet (Close)
- 19 Cabinet (Open)
- 20 BBU 3900
- 21 DCDU
- 22 Main Earth Bar for Cabinet
- 23 Earth Bar Cabinet
- 24 DG Set (Close)
- 25 DG Set (Open)

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Project: **Telenor Myanmar**
Site: **AY1647**

NETWORK ELEMENT ACCEPTANCE CERTIFICATE

This is to certify that Ericsson Radio Systems AB has delivered, installed and tested the Network Elements on site **AY1647** as defined in PO_NS_000020 and PO_NS_000021

PO RBS: PO_NS_000039
 PO HW Cabinet: PO_NS_000030
 PO Antenna: PO_NS_000038

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 with remarks per attached test report.

TEST DOCUMENTS

DBS3900 Test Report - G900
 DBS3900 Test Report - W2100

Documents Number

1/153 83-IPA 166 2057/AY1647 Uen rev A
 2/153 83-IPA 166 2057/AY1647 Uen rev A

For Telenor
 (The Buyer)

For Ericsson
 (The Vendor)

Signature:

Signature:

Name:

Name:

Date:

Date: