





Acceptance Test Document

Microwave Radio System

VENDOR/CONTRACTOR	:	AVIAT
PROJECT CODE	:	2025MCO-T
PT INDEX	:	25D001
BRAND	:	NEC
LINK ID	:	KAL-KB-SBS-0730/KAL-KB-SBS-0389
LINK NAME	:	TEBAS SUNGAI SAMBAS/Bekut SAMBAS
TOWER ID NE	:	KAL-KB-SBS-0730
SITE NAME NE	:	TEBAS SUNGAI SAMBAS
TOWER ID FE	:	KAL-KB-SBS-0389
SITE NAME FE	:	Bekut SAMBAS
DATE OF ACCEPTANCE	:	5 July 2025
SOW / Detail Scenario	:	Upgrade BW
ACCEPTANCE STATUS	:	

Approved by :

Managed Services		Operation XLSMART	
FOP	ROH	Region Team	Region Team Leader
		 Dwi Wahyu L	
Name : Muhammad Arfandi Saputra	Name : Haris Kurniawan	Name : Aris Rohman S	Name : Dedik Sulistiyono
Date : July 14, 2025	Date :	Date : 17 Juli 2025	Date :

ITEM SOW yang digunakan

Project	Config	Description	Type	QTY Used
Inject License Capacity & Modulasi	FE GE U900 Service Inject License	FE GE U900 Service Inject License	Service	0
Inject License Capacity & Modulasi	UPGRADE MODULATION BY REMOTE	UPGRADE MODULATION BY REMOTE	Service	1
Inject License Capacity & Modulasi	SOFTWARE:CAP 50M / MODEM EXCPT IPASO EX	SOFTWARE:CAP 50M / MODEM EXCPT IPASO EX	Software	12
Inject License Capacity & Modulasi	Higher Modulation up to 1024QAM	Higher Modulation up to 1024QAM	Software	0
Inject License Capacity & Modulasi	Higher Modulation up to 2048QAM	Higher Modulation up to 2048QAM	Software	2
Inject License	SOFTWARE : Eth Aggregation (LAG)	SOFTWARE : ETH Aggregation	Software	0
Inject License	Software IPASO / Software IPASO GBE	SW LIC SOFTWARE:IPASO GBE	Software	0
Inject License	SOFTWARE : Link Aggregation (RTA)	SOFTWARE : Link Aggregation (RTA)	Software	0
Provide License	SOFTWARE,LICENSERadio Redundancy 1+1 Usage (1 Pair)	SOFTWARE,LICENSERadio Redundancy 1+1 Usage (1 Pair)	Software	0

Link Upgarde (SW/License)

Tower Id	Region	Project Code	PT Index	PO	Link Id	Network	QTY	SOW	Config Before	Config After	Hop Use	System/Link	Type License	Serial Number	Main Card	Term-MS/N	IP Address
KAL-KB-SBS-0730	KALIMAN TAN	2025 MCO -T	25 D0 01		KAL-KB-SBS-0730/KAL-KB-SBS-0389	NE	1	Upgrade BW	15GHz/1+0/0.6-0.6/28MHz/512QAM	15GHz/1+0/0.6-0.6/56MHz/2048QAM	KAL-KB-SBS-0730/KAL-KB-SBS-0389	ipaso 400A/400A	Radio Capacity	4706 3/16 161	4742 6/16 508		10.10 4.226 .83

Detail SOW :

Project	Config Before	Config After	NE/FE	Description	Type	QTY Used	Link
License Upgrade	15GHz/1+0/0.6-0.6/28MHz/512QAM	15GHz/1+0/0.6-0.6/56MHz/2048QAM	NE	Upgrade Modulation By Remote	Service	1	KAL-KB-SBS-0730/KAL-KB-SBS-0389
License Upgrade	15GHz/1+0/0.6-0.6/28MHz/512QAM	15GHz/1+0/0.6-0.6/56MHz/2048QAM	NE	Higher Modulation up to 2048QAM	Software	1	KAL-KB-SBS-0730/KAL-KB-SBS-0389
License Upgrade	15GHz/1+0/0.6-0.6/28MHz/512QAM	15GHz/1+0/0.6-0.6/56MHz/2048QAM	FE	Higher Modulation up to 2048QAM	Software	1	KAL-KB-SBS-0730/KAL-KB-SBS-0389
License Upgrade	15GHz/1+0/0.6-0.6/28MHz/512QAM	15GHz/1+0/0.6-0.6/56MHz/2048QAM	NE	Capacity License (50MB)	Software	6	KAL-KB-SBS-0730/KAL-KB-SBS-0389
License Upgrade	15GHz/1+0/0.6-0.6/28MHz/512QAM	15GHz/1+0/0.6-0.6/56MHz/2048QAM	FE	Capacity License (50MB)	Software	6	KAL-KB-SBS-0730/KAL-KB-SBS-0389

License :

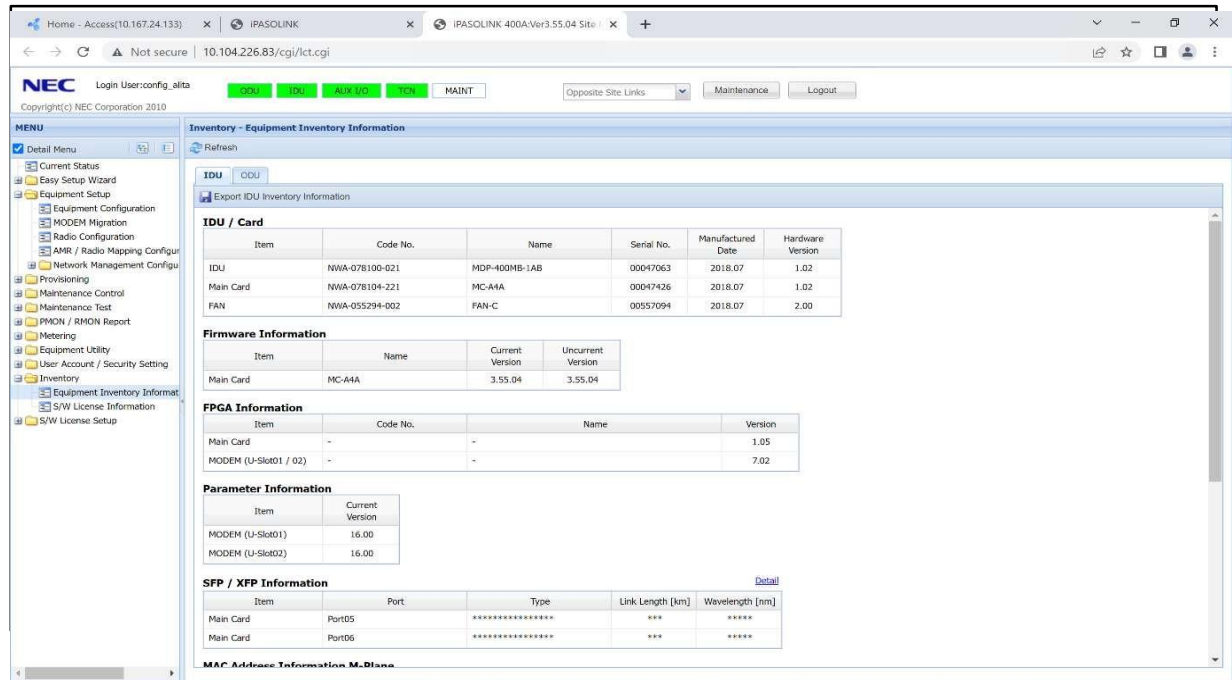
SoftKey File Name	Serial Number	Key Type	Parameter	Order Number	IP	Site ID	Link ID	Release Date
UP400A_00016161_7001 170909.key	16161	Radio Capacity Key - Radio Capacity - 1	200MB to 500MB	ZZZ-958282-0001	10.104.22 6.82	KAL-KB-SBS-0389	KAL-KB-SBS-0730-KAL-KB-SBS-0389	17-May-25
UP400A_00047063_7001 170910.key	47063	Radio Capacity Key - Radio Capacity - 1	200MB to 500MB	ZZZ-958282-0001	10.104.22 6.83	KAL-KB-SBS-0730	KAL-KB-SBS-0730-KAL-KB-SBS-0389	17-May-25
UP400A_00016161_7001 170994.key	16161	System & Radio Key - High Modulation	1024Q to 2048Q	ZZZ-958282-0001	10.104.22 6.82	KAL-KB-SBS-0389	KAL-KB-SBS-0730-KAL-KB-SBS-0389	18-May-25
UP400A_00047063_7001 170995.key	47063	System & Radio Key - High Modulation	1024Q to 2048Q	ZZZ-958282-0001	10.104.22 6.83	KAL-KB-SBS-0730	KAL-KB-SBS-0730-KAL-KB-SBS-0389	18-May-25

Item ATP Check

Site : KAL-KB-SBS-0730

Before

- Equipment Inventory Informations



The screenshot shows the NEC IPASOLINK 400A web interface. The left sidebar contains a menu with options like 'Current Status', 'Easy Setup Wizard', 'Equipment Configuration', 'MODEM Migration', 'Radio Configuration', 'ANR / Radio Mapping Config', 'Network Management Config', 'Provisioning', 'Maintenance Control', 'Maintenance Test', 'PHON / RMON Report', 'Metering', 'Equipment Utility', 'User Account / Security Setting', 'Inventory', 'Equipment Inventory Information', and 'S/W License Setup'. The main content area is titled 'Inventory - Equipment Inventory Information' and includes a 'Refresh' button. Below this, there are several sections: 'IDU / Card', 'Firmware Information', 'FPGA Information', 'Parameter Information', 'SFP / XFP Information', and 'MAC Address Information M-Plane'.

Item	Code No.	Name	Serial No.	Manufactured Date	Hardware Version
IDU	NWA-078100-021	MDP-400MB-1AB	00047063	2018.07	1.02
Main Card	NWA-078104-221	MC-44A	00047426	2018.07	1.02
FAN	NWA-055294-002	FAN-C	00557094	2018.07	2.00

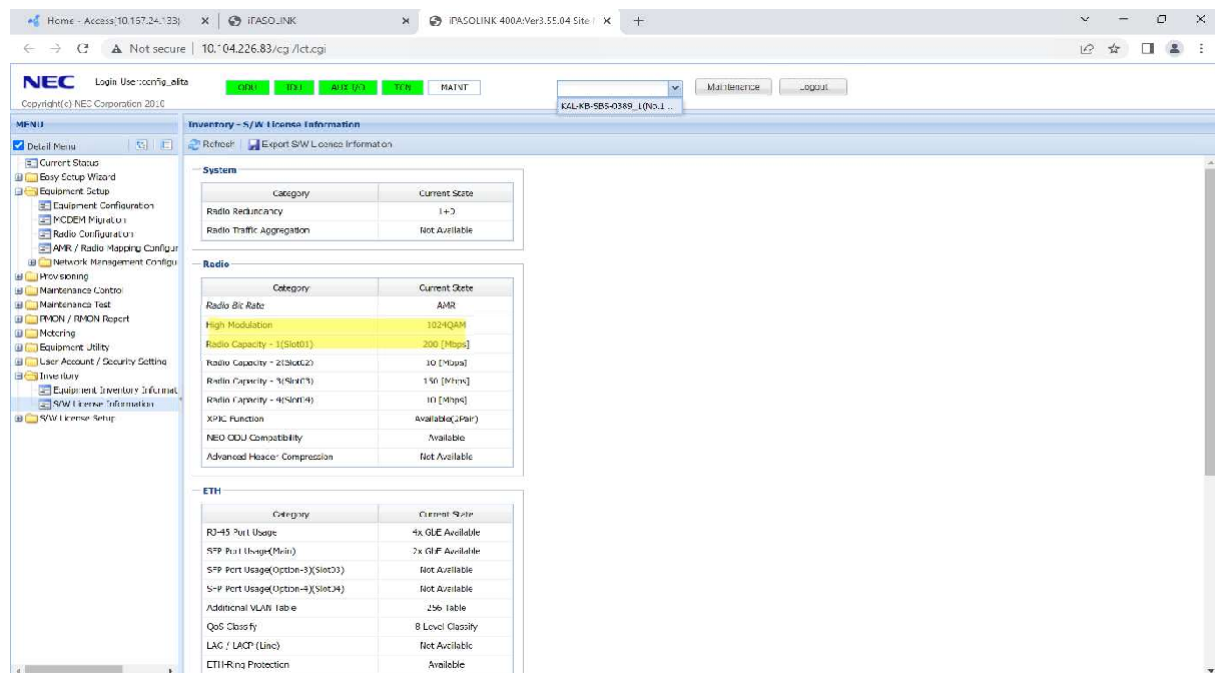
Item	Name	Current Version	Uncurrent Version
Main Card	MC-44A	3.55.04	3.55.04

Item	Code No.	Name	Version
Main Card	-	-	1.05
MODEM (U-Slot01 / 02)	-	-	7.02

Item	Current Version
MODEM (U-Slot01)	16.00
MODEM (U-Slot02)	16.00

Item	Port	Type	Link Length (km)	Wavelength (nm)
Main Card	Port05	*****	***	****
Main Card	Port06	*****	***	****

- S/W License Inventory Informations



The screenshot shows the NEC IPASOLINK 400A web interface. The left sidebar contains a menu with options like 'Current Status', 'Easy Setup Wizard', 'Equipment Configuration', 'MODEM Migration', 'Radio Configuration', 'ANR / Radio Mapping Config', 'Network Management Config', 'Provisioning', 'Maintenance Control', 'Maintenance Test', 'PHON / RMON Report', 'Metering', 'Equipment Utility', 'User Account / Security Setting', 'Inventory', 'Equipment Inventory Information', and 'S/W License Setup'. The main content area is titled 'Inventory - S/W License Information' and includes a 'Refresh' button. Below this, there are several sections: 'System', 'Radio', and 'ETH'.

Category	Current State
Radio Redundancy	1+3
Radio Traffic Aggregation	Not Available

Category	Current State
Radio Bit Rate	AMR
High Modulation	1024QAM
Radio Capacity - 1(Slot01)	200 [Mbps]
Radio Capacity - 2(Slot02)	10 [Mbps]
Radio Capacity - 3(Slot03)	150 [Mbps]
Radio Capacity - 4(Slot04)	10 [Mbps]
XFP Function	Available(Pair)
NEO ODU Compatibility	Available
Advanced Header Compression	Not Available

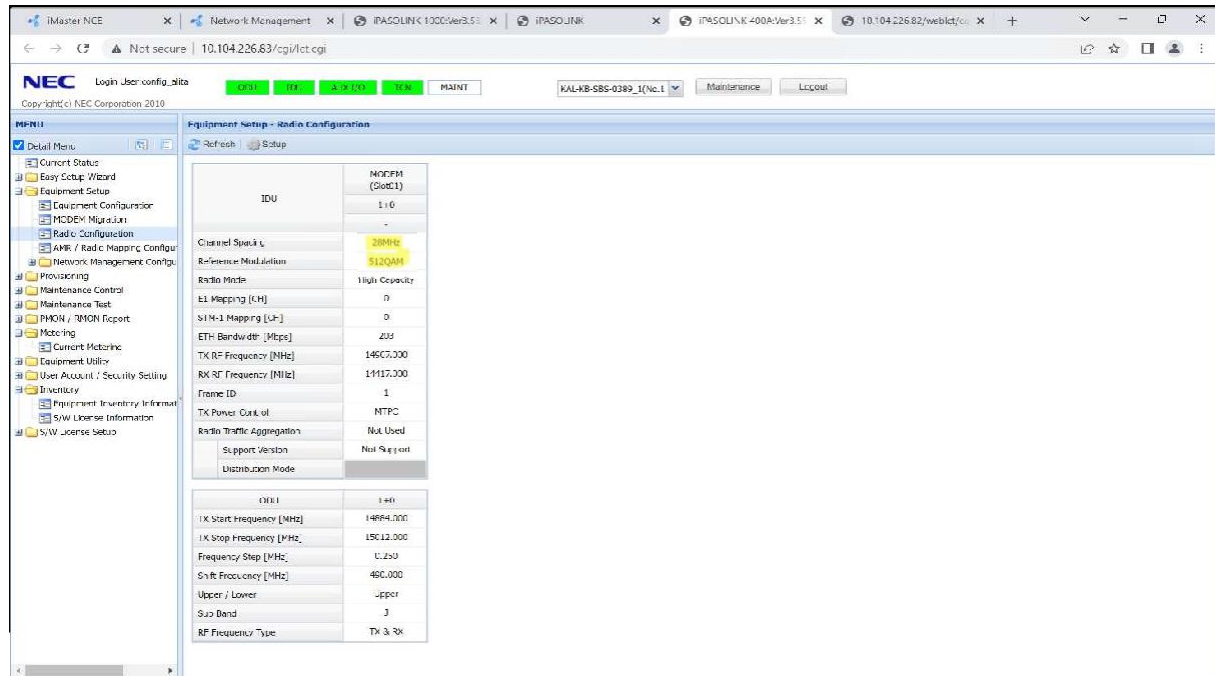
Category	Current State
RJ-45 Port Usage	4x GLE Available
SFP Port Usage(Multi)	2x GLE Available
SFP Port Usage(Optional-3(Slot03))	Not Available
SFP Port Usage(Optional-4(Slot04))	Not Available
Additional VLAN Table	256 table
QoS Classify	8 Level Classify
LAG / LACP (Link)	Not Available
CTH/Ring Protection	Available

Item ATP Check

Site : KAL-KB-SBS-0730

Before

- RADIO CONFIGURATION**

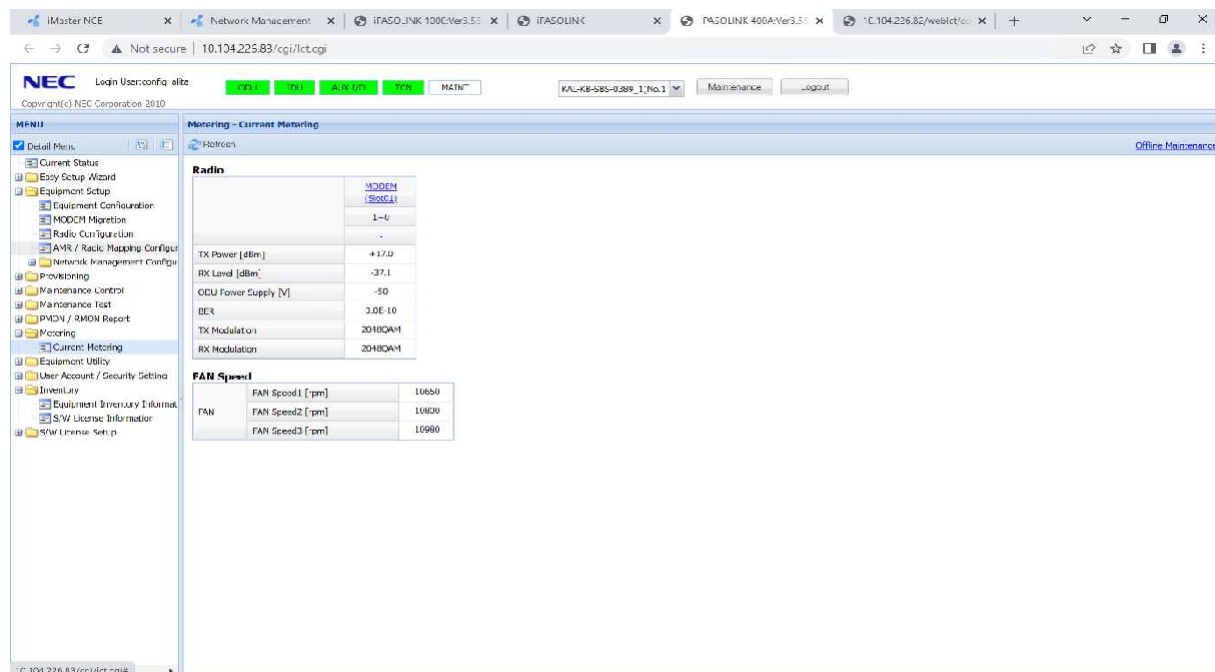


Equipment Setup - Radio Configuration

IDU	MODFM (Slot1)
110	110
Channel Spec 1	28MHz
Reference Modulation	512QAM
Radio Mode	High Capacity
LI Mapping (CH)	0
SI-M-L Mapping (UP)	0
ETH Bandwidth (Mbps)	200
TX RF Frequency (MHz)	14607.000
RX RF Frequency (MHz)	11117.000
Frame ID	1
TX Power Control	NTPC
Radio Traffic Aggregation	Not Used
Support Version	Not Support
Utilization Mode	

CH1	140
TX Start Frequency (MHz)	14604.000
TX Stop Frequency (MHz)	15012.000
Frequency Step (MHz)	0.200
Syft Frequency (MHz)	490.000
Upper / Lower	Upper
Sys Band	J
RF Frequency Type	TX & RX

- Metering**



Monitoring - Current Metering

Radio	MODFM (Slot1)
110	110
TX Power (dBm)	41.7.0
RX Level (dBm)	-37.1
OCU Power Supply (V)	-50
BER	3.0E-10
TX Modulation	2048QAM
RX Modulation	2048QAM

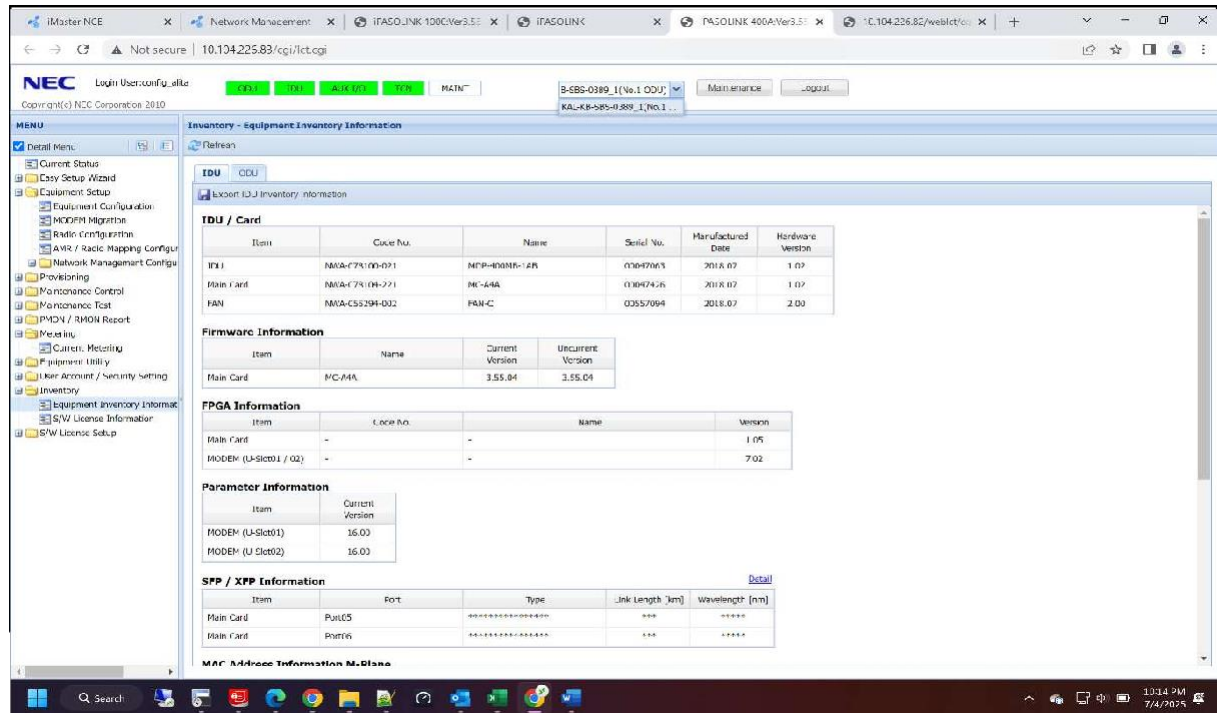
FAN Speed	FAN Speed1 (rpm)	FAN Speed2 (rpm)	FAN Speed3 (rpm)
FAN	10650	10650	10690

Item ATP Check

Site : KAL-KB-SBS-0730

After

- Equipment Inventory Informations



The screenshot displays the NEC iMaster NCE web interface for Equipment Inventory Information. The left sidebar shows the menu structure, and the main content area displays the following information:

TDU / Card

Item	Card No.	Name	Serial No.	Manufactured Date	Hardware Version
TDU	NMA-791 (N-071)	NTP-400M-12R	03047063	2018.07	1.07
Main Card	NMA-791 (N-221)	NE-444	03047456	2018.07	1.07
RAM	NMA-6520H-032	RAM-C	03537094	2018.07	2.00

Firmware Information

Item	Name	Current Version	Uncurrent Version
Main Card	P/C-MA	3.55.04	3.55.04

FPGA Information

Item	Locate No.	Name	Version
Main Card	-	-	1.05
MODEM (U-Slot01 / 02)	-	-	7.02

Parameter Information

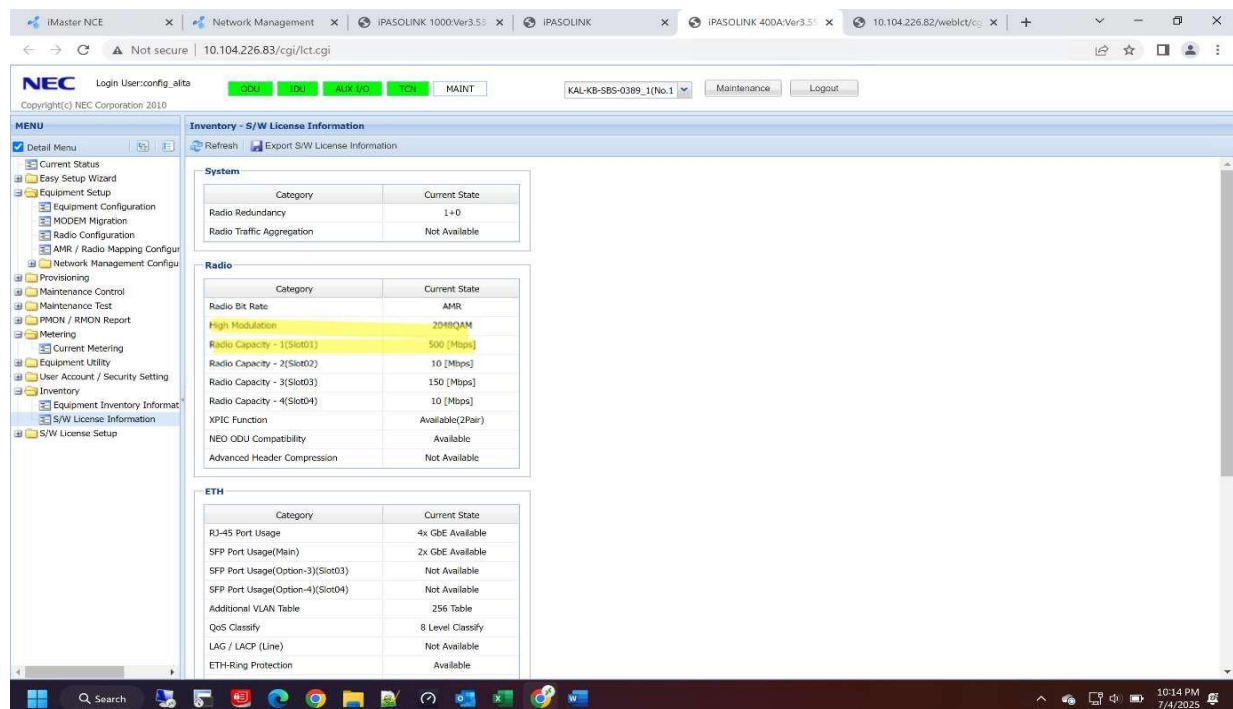
Item	Current Version
MODEM (U-Slot01)	16.00
MODEM (U-Slot02)	16.00

SFP / XFP Information

Item	Port	Type	Link Length [km]	Wavelength [nm]
Main Card	Port05	*****	***	*****
Main Card	Port06	*****	***	*****

MAC Address Information M-Plane

- S/W License Inventory Informations



The screenshot displays the NEC iMaster NCE web interface for S/W License Information. The left sidebar shows the menu structure, and the main content area displays the following information:

System

Category	Current State
Radio Redundancy	1+0
Radio Traffic Aggregation	Not Available

Radio

Category	Current State
Radio Bit Rate	AMR
High Modulation	2048QAM
Radio Capacity - 1(Slot01)	500 [Mbps]
Radio Capacity - 2(Slot02)	10 [Mbps]
Radio Capacity - 3(Slot03)	150 [Mbps]
Radio Capacity - 4(Slot04)	10 [Mbps]
XPC Function	Available(2Pair)
NEO ODU Compatibility	Available
Advanced Header Compression	Not Available

ETH

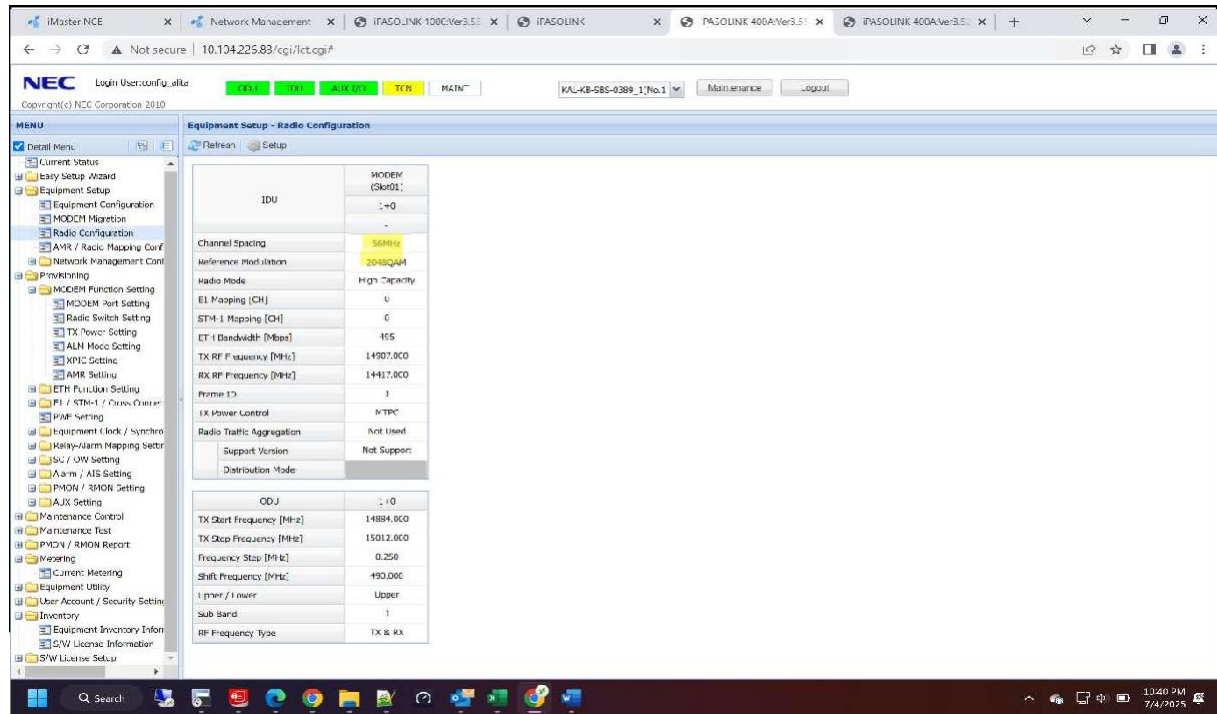
Category	Current State
RJ-45 Port Usage	4x GbE Available
SFP Port Usage(Main)	2x GbE Available
SFP Port Usage(Optional-3)(Slot03)	Not Available
SFP Port Usage(Optional-4)(Slot04)	Not Available
Additional VLAN Table	256 Table
QoS Classify	8 Level Classify
LAG / LACP (Line)	Not Available
ETH-Ring Protection	Available

Item ATP Check

Site : KAL-KB-SBS-0730

After

- RADIO CONFIGURATION**



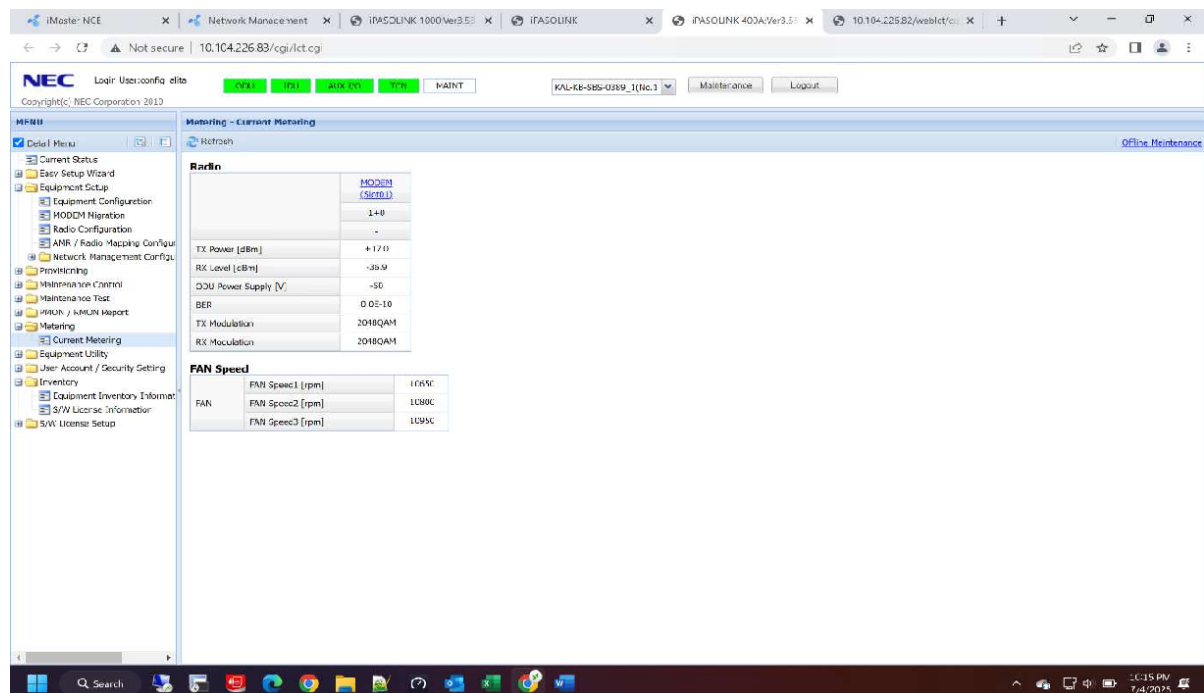
The screenshot shows the NEC iMaster NCE interface for the 'Radio Configuration' page. The left sidebar contains a 'MENU' tree with options like 'Current Status', 'Easy Setup Wizard', 'Equipment Setup', 'MODCH Migration', 'Radio Configuration', 'ANR / Radio Mapping Config', 'Network Management Config', 'Provisioning', 'MODCH Function Setting', 'MODCH Port Setting', 'Radio Switch Setting', 'TX Power Setting', 'ALN Mode Setting', 'XPC Setting', 'ANR Setting', 'ETH Function Setting', 'PI / STM-1 / Cross Connect', 'PAP Setting', 'Equipment Clock / Synchron', 'Alarm / Alarm Mapping Settr', 'ISG / UTM Setting', 'Alarm / AIS Setting', 'PMON / SHON Setting', 'AUX Setting', 'Maintenance Control', 'Maintenance Test', 'PMON / SHON Report', 'Metering', 'Current Metering', 'Equipment Utility', 'User Account / Security Setting', 'Inventory', 'Equipment Inventory Inform', 'S/W License Information', and 'S/W License Setup'.

The main content area is titled 'Equipment Setup - Radio Configuration' and contains two tables:

IDU	
Channel Spacing	56MHz
Reference Modulation	2048QAM
Radio Mode	High Capacity
E1 Mapping [CH]	0
STM-1 Mapping [CH]	0
ET-1 Bandwidth [MHz]	165
TX RF Frequency [MHz]	14907.000
RX RF Frequency [MHz]	14417.000
Prime ID	1
TX Power Control	NTPC
Radio Traffic Aggregation	Not Used
Support Version	Not Support
Distribution Mode	

ODU	
TX Start Frequency [MHz]	14884.000
TX Stop Frequency [MHz]	15012.000
Frequency Step [MHz]	0.250
Shift Frequency [MHz]	490.000
Upper / Lower	Upper
Sub Band	1
RF Frequency Type	TX & RX

- Metering**



The screenshot shows the NEC iMaster NCE interface for the 'Metering' page. The left sidebar is the same as in the previous screenshot. The main content area is titled 'Metering - Current Metering' and contains two tables:

Radio	
MODCH (Sicid1)	1-4
TX Power [dBm]	+17.0
RX Level [dBm]	-39.9
ODU Power Supply [V]	+50
BER	0.05-10
TX Modulation	2048QAM
RX Modulation	2048QAM

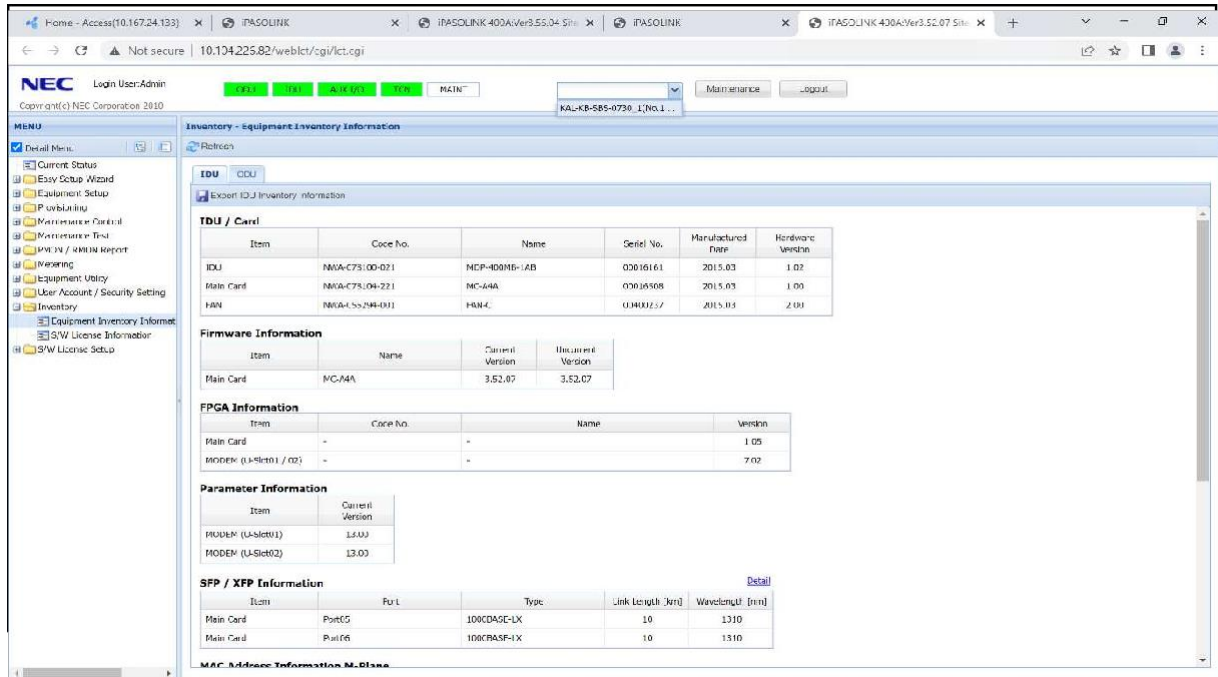
FAN Speed		
FAN	FAN Speed1 [rpm]	10950
	FAN Speed2 [rpm]	10900
	FAN Speed3 [rpm]	10950

Item ATP Check

Site : KAL-KB-SBS-0389

Before

- Equipment Inventory Informations



Inventory - Equipment Inventory Information

Expert IDU Inventory information

TDU / Card

Item	Code No.	Name	Serial No.	Manufactured Date	Hardware Version
IDU	NWA-C73-00-021	NCP-400MB-1AB	03016161	2015.03	1.02
Main Card	NWA-C73-04-221	MC-44A	03016508	2015.03	1.00
FAN	NWA-A-S2-M4-031	FAN4	03000237	2015.03	2.00

Firmware Information

Item	Name	Current Version	Required Version
Main Card	MC-44A	3.52.07	3.52.07

FPGA Information

Item	Code No.	Name	Version
Main Card	-	-	1.05
MODEM (LS-Slot1 / 02)	-	-	7.02

Parameter Information

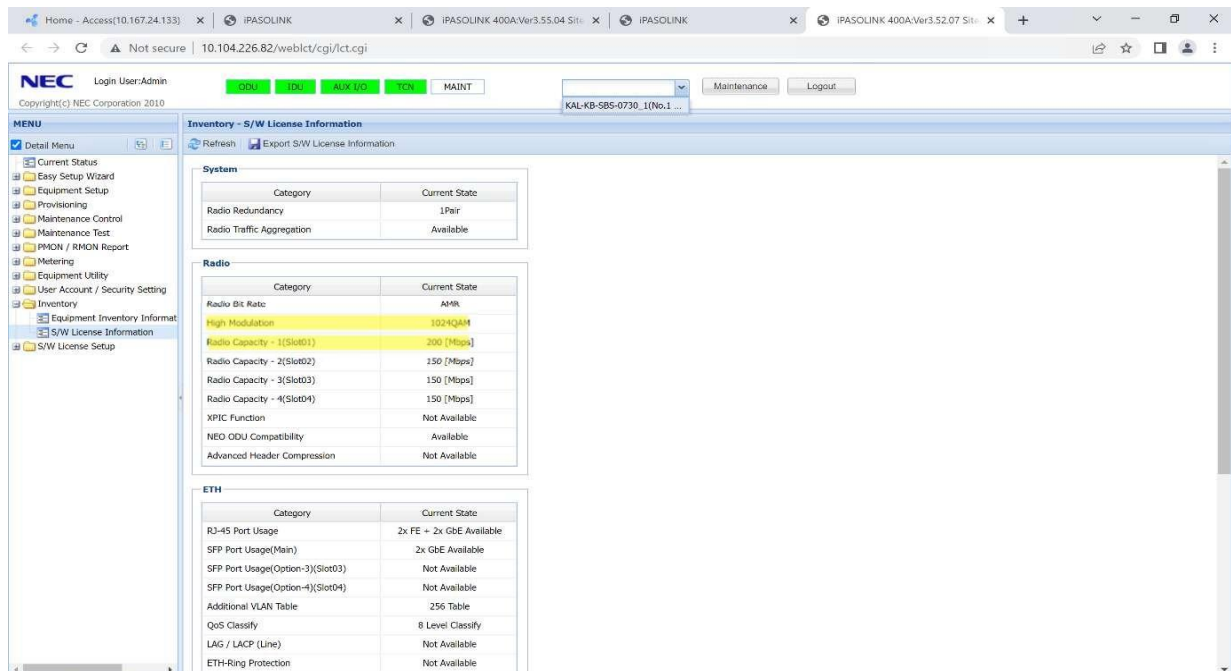
Item	Current Version
PROBLEM (LS-Slot1)	13.03
MODEM (LS-Slot2)	13.03

SFP / XFP Information

Item	Port	Type	Link Length [mm]	Wavelength [nm]
Main Card	PortG	100CDA0C-LX	10	1310
Main Card	PortF	100CRASF-LX	10	1310

MAC Address Information N-Block

- S/W License Inventory Informations



Inventory - S/W License Information

Export S/W License Information

System

Category	Current State
Radio Redundancy	1Pair
Radio Traffic Aggregation	Available

Radio

Category	Current State
Radio Bit Rate	40M
High Modulation	1024QAM
Radio Capacity - 1(Slot01)	200 [Mbps]
Radio Capacity - 2(Slot02)	150 [Mbps]
Radio Capacity - 3(Slot03)	150 [Mbps]
Radio Capacity - 4(Slot04)	150 [Mbps]
XPIC Function	Not Available
NEO ODU Compatibility	Available
Advanced Header Compression	Not Available

ETH

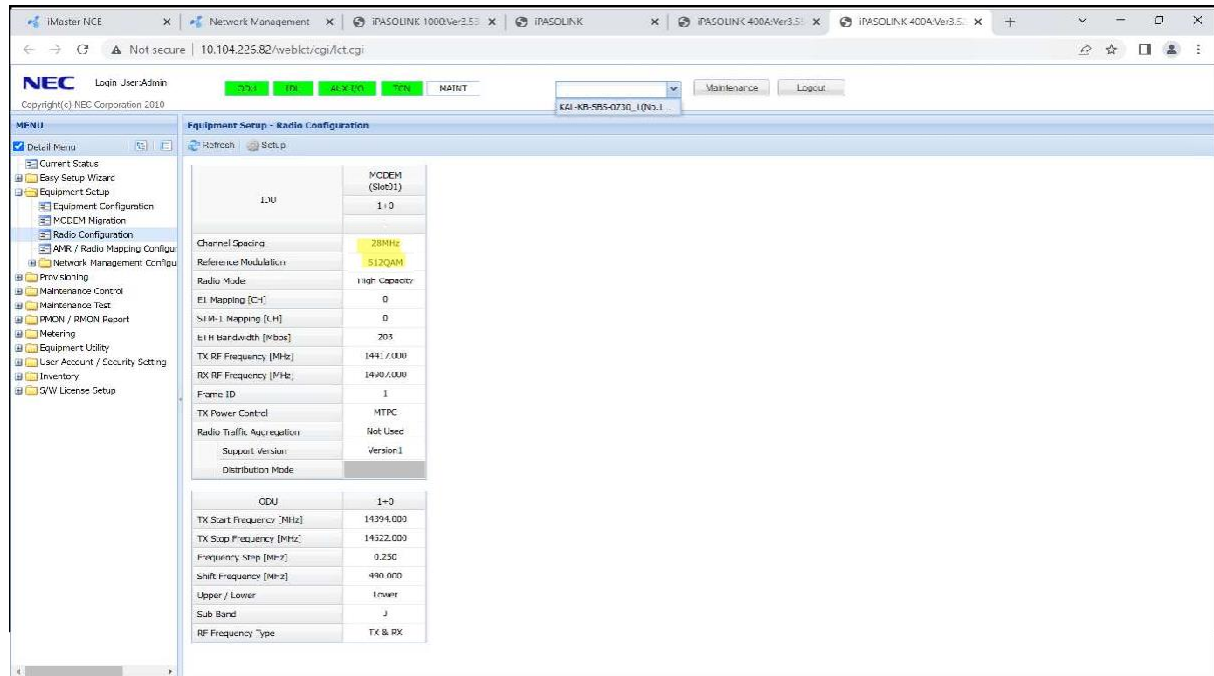
Category	Current State
RJ-45 Port Usage	2x FE + 2x GBE Available
SFP Port Usage(Main)	2x GBE Available
SFP Port Usage(Option-3)(Slot03)	Not Available
SFP Port Usage(Option-4)(Slot04)	Not Available
Additional VLAN Table	256 Table
QoS Classify	8 Level Classify
LAG / LACP (Line)	Not Available
ETH-Ring Protection	Not Available

Item ATP Check

Site : KAL-KB-SBS-0389

Before

- RADIO CONFIGURATION**

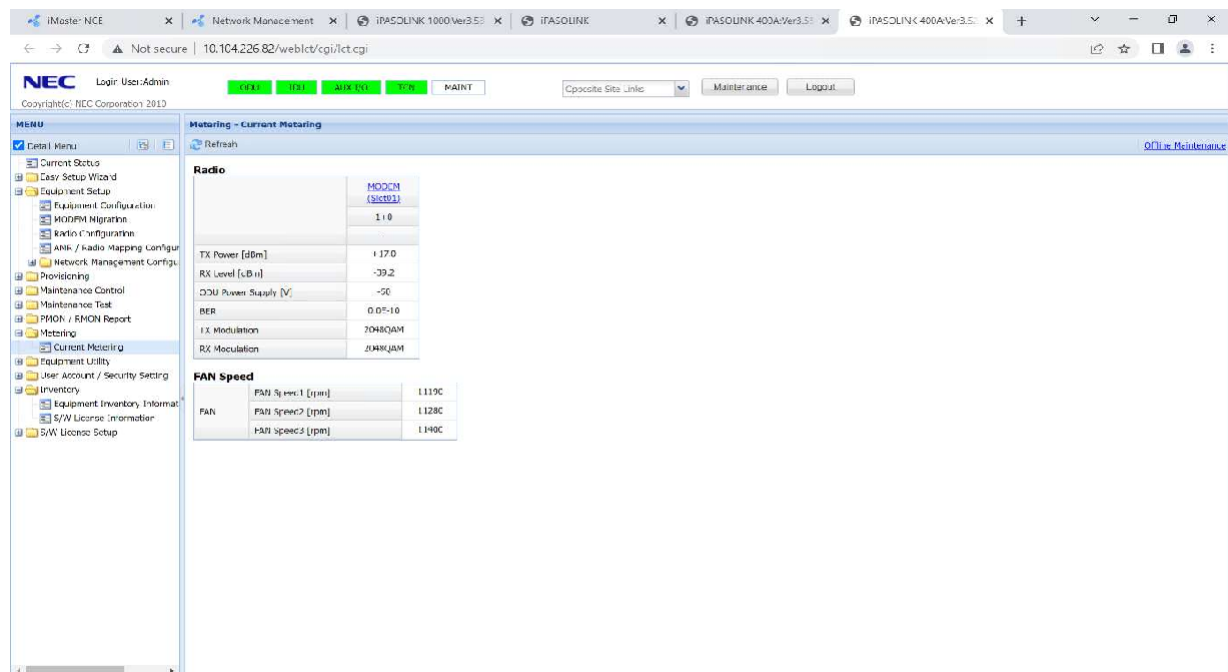


Radio Configuration

LRU	MODEM (Slot1)
	1+0
Channel Spacing	28MHz
Reference Modulation	512QAM
Radio Mode	High Capacity
E1 Mapping [C1]	0
S1-M1 Mapping [L1]	0
E1 M Bandwidth [MHz]	203
TX RF Frequency [MHz]	1441 / 1440
RX RF Frequency [MHz]	1440 / 1440
Frame ID	1
TX Power Control	MTPC
Radio Traffic Aggregation	Not Used
Support Version	Version 1
Distribution Mode	

ODU	1+0
TX Start Frequency [MHz]	14391.000
TX Stop Frequency [MHz]	14322.000
Frequency Step [MHz]	0.250
Shift Frequency [MHz]	499.000
Upper / Lower	Lower
Sub Band	J
RF Frequency Type	TX & RX

- Metering**



Metering - Current Metering

Refresh

[ODU Maintenance](#)

Radio	MODEM (Slot1)
	1+0
TX Power [dBm]	137.0
RX Level [dBm]	-39.2
ODU Power Supply [V]	-50
BER	0.0%-10
TX Modulation	2048QAM
RX Modulation	2048QAM

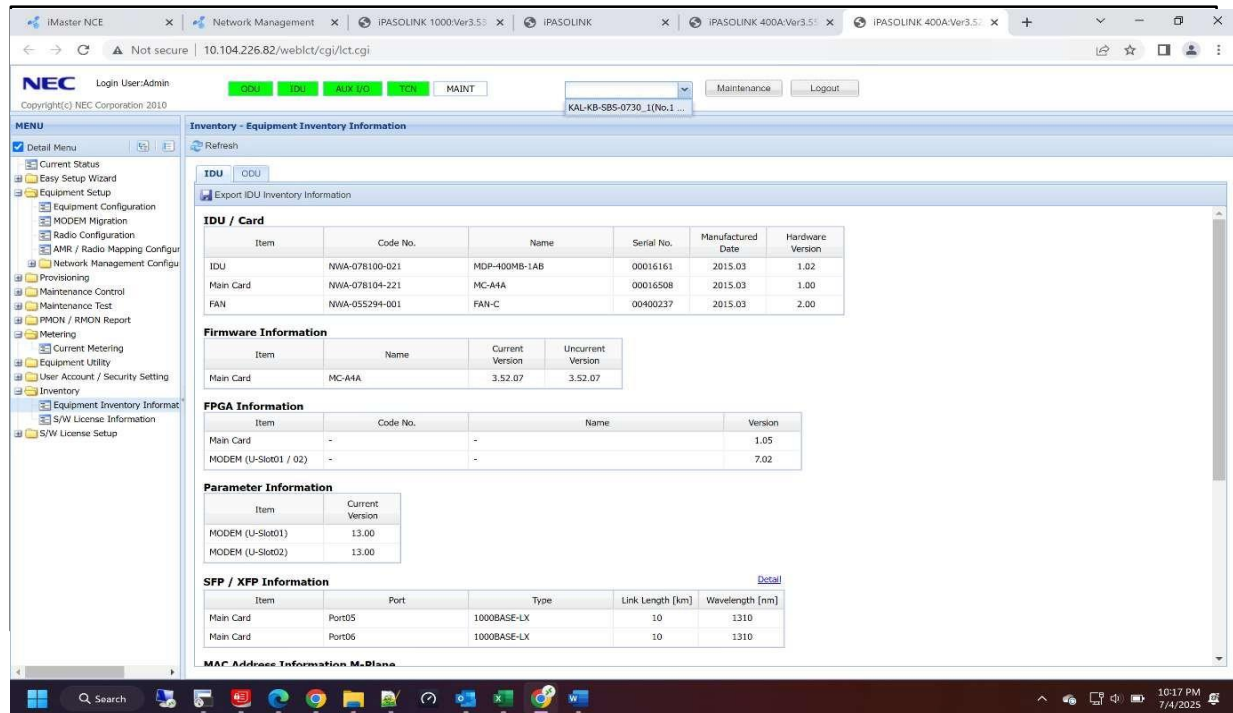
FAN Speed	
FAN Speed 1 [rpm]	11190
FAN Speed 2 [rpm]	11280
FAN Speed 3 [rpm]	11400

Item ATP Check

Site : KAL-KB-SBS-0389

After

- Equipment Inventory Informations



The screenshot displays the NEC iMaster NCE web interface. The browser tabs show 'iMaster NCE', 'Network Management', and several 'IPASOLINK' versions. The address bar indicates the URL '10.104.226.82/webclct/cgi/ict.cgi'. The user is logged in as 'Admin'. The left sidebar contains a 'MENU' with options like 'Current Status', 'Easy Setup Wizard', 'Equipment Setup', 'MODEM Migration', 'Radio Configuration', 'AMR / Radio Mapping Config', 'Provisioning', 'Maintenance Control', 'Maintenance Test', 'PMON / RMON Report', 'Metering', 'Current Metering', 'Equipment Utility', 'User Account / Security Setting', 'Inventory', 'Equipment Inventory Information', 'S/W License Information', and 'S/W License Setup'. The main content area is titled 'Inventory - Equipment Inventory Information' and includes a 'Refresh' button. Below this, there are several tables:

IDU / Card

Item	Code No.	Name	Serial No.	Manufactured Date	Hardware Version
IDU	NWA-078100-021	MDP-400MB-1AB	00016161	2015.03	1.02
Main Card	NWA-078104-221	MC-A4A	00016508	2015.03	1.00
FAN	NWA-055294-001	FAN-C	00400237	2015.03	2.00

Firmware Information

Item	Name	Current Version	Uncurrent Version
Main Card	MC-A4A	3.52.07	3.52.07

FPGA Information

Item	Code No.	Name	Version
Main Card	-	-	1.05
MODEM (U-Slot01 / 02)	-	-	7.02

Parameter Information

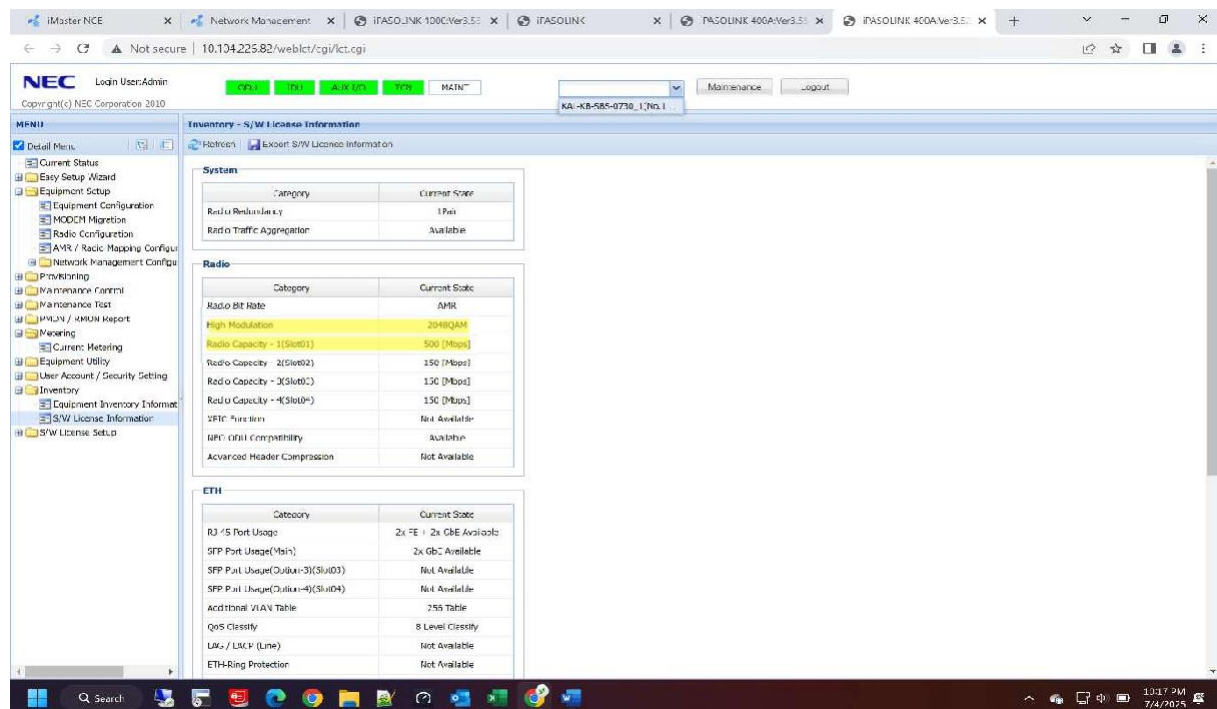
Item	Current Version
MODEM (U-Slot01)	13.00
MODEM (U-Slot02)	13.00

SFP / XFP Information

Item	Port	Type	Link Length [km]	Wavelength [nm]
Main Card	Port05	1000BASE-LX	10	1310
Main Card	Port06	1000BASE-LX	10	1310

MAC Address Information M-Blank

- S/W License Inventory Informations



The screenshot displays the NEC iMaster NCE web interface. The browser tabs show 'iMaster NCE', 'Network Management', and several 'IPASOLINK' versions. The address bar indicates the URL '10.104.226.82/webclct/cgi/ict.cgi'. The user is logged in as 'Admin'. The left sidebar contains a 'MENU' with options like 'Current Status', 'Easy Setup Wizard', 'Equipment Setup', 'MODEM Migration', 'Radio Configuration', 'AMR / Radio Mapping Config', 'Provisioning', 'Maintenance Control', 'Maintenance Test', 'PMON / RMON Report', 'Metering', 'Current Metering', 'Equipment Utility', 'User Account / Security Setting', 'Inventory', 'Equipment Inventory Information', 'S/W License Information', and 'S/W License Setup'. The main content area is titled 'Inventory - S/W License Information' and includes a 'Refresh' button. Below this, there are several tables:

System

Category	Current State
Radio Redundancy	1 Pair
Radio Traffic Aggregation	Available

Radio

Category	Current State
Radio Bit Rate	AMR
High Modulation	2048QAM
Radio Capacity - 1(Slot01)	500 [Mbps]
Radio Capacity - 2(Slot02)	150 [Mbps]
Radio Capacity - 3(Slot03)	120 [Mbps]
Radio Capacity - 4(Slot04)	150 [Mbps]
SFP Version	Not Available
WPC (OFDM) Compatibility	Available
Advanced Header Compression	Not Available

ETH

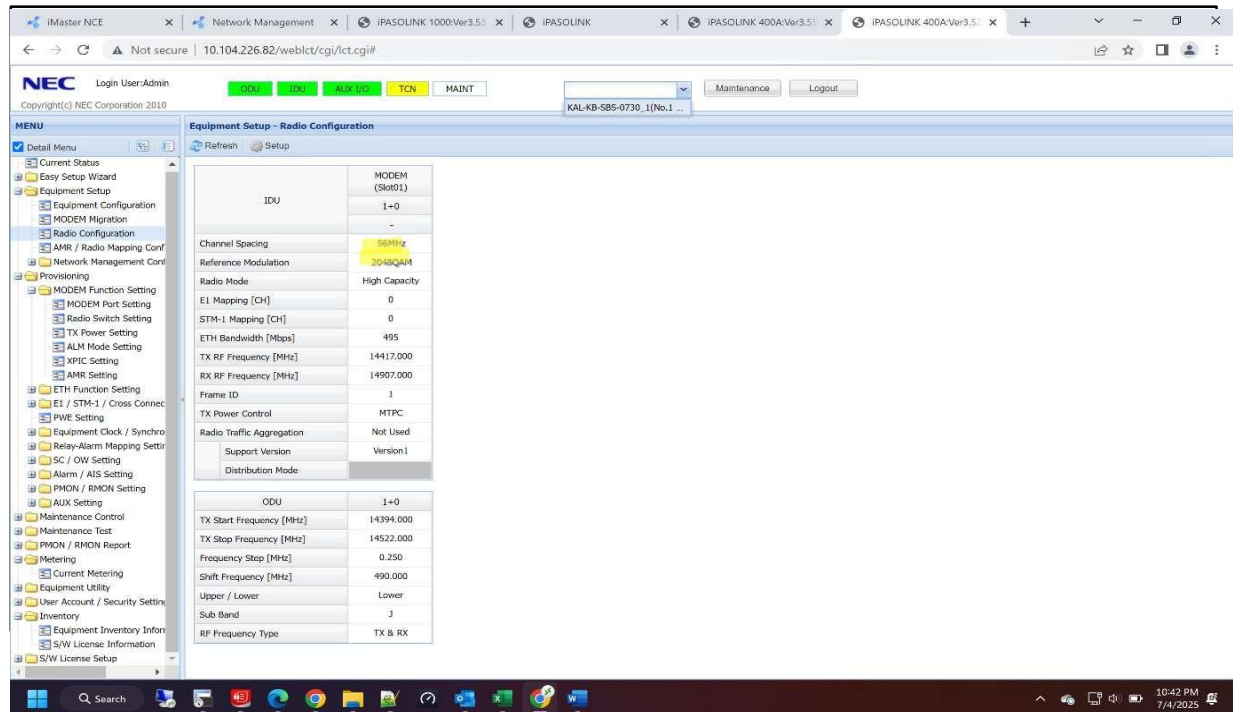
Category	Current State
RJ 45 Port Usage	2x FE + 2x GbE Available
SFP Port Usage(Main)	2x GbE Available
SFP Port Usage(Outlet-3)(Slot03)	Not Available
SFP Port Usage(Outlet-4)(Slot04)	Not Available
Additional VLAN Table	255 Table
QoS Classify	8 Level Classify
L2/L3 / LACP (Link)	Not Available
ETH-Ring Protection	Not Available

Item ATP Check

Site : KAL-KB-SBS-0389

After

- RADIO CONFIGURATION**

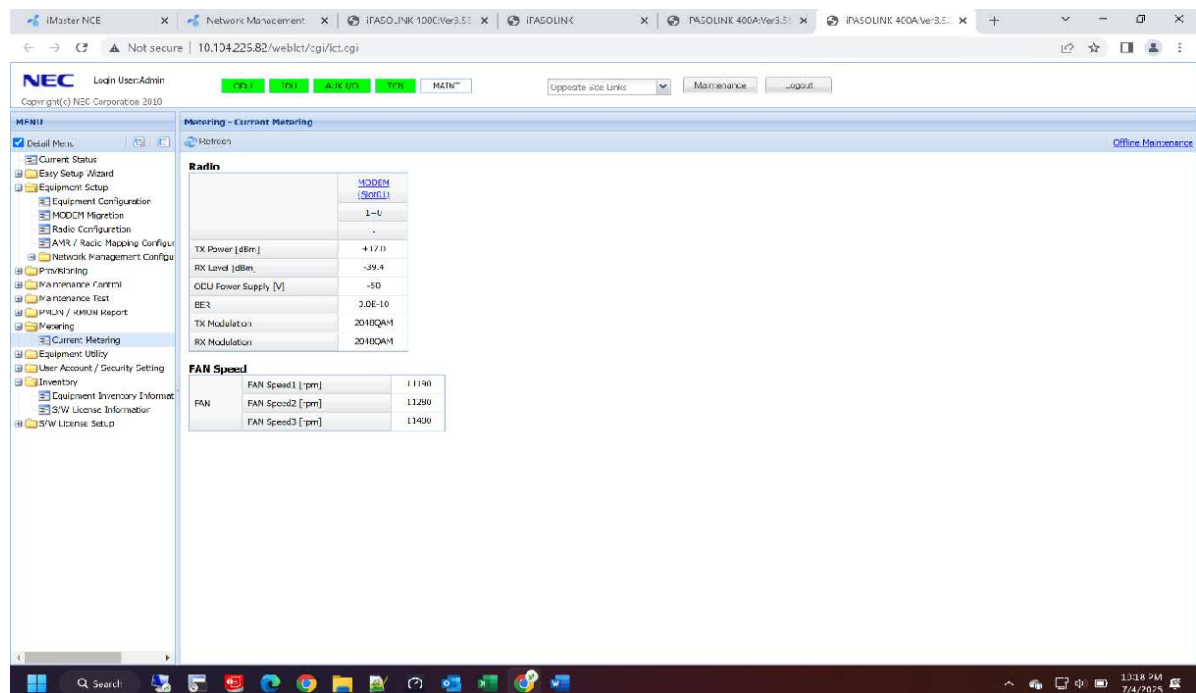


The screenshot shows the NEC IPASOLINK 1000 Ver3.5.1 web interface. The left sidebar contains a menu with options like 'Current Status', 'Easy Setup Wizard', 'Equipment Setup', 'Equipment Configuration', 'MODEM Migration', 'Radio Configuration', 'AMR / Radio Mapping Conf', 'Network Management Conf', 'Provisioning', 'MODEM Function Setting', 'Radio Switch Setting', 'TX Power Setting', 'ALM Mode Setting', 'XPIC Setting', 'AMR Setting', 'ETH Function Setting', 'E1 / STM-1 / Cross Connec', 'PWE Setting', 'Equipment Clock / Synchro', 'Relay-Alarm Mapping Settr', 'SC / OW Setting', 'Alarm / AIS Setting', 'PHON / RMON Setting', 'AUX Setting', 'Maintenance Control', 'Maintenance Test', 'PHON / RMON Report', 'Metering', 'Current Metering', 'Equipment Utility', 'User Account / Security Setting', 'Inventory', 'Equipment Inventory Infor', 'S/W License Information', and 'S/W License Setup'. The main content area is titled 'Equipment Setup - Radio Configuration' and contains two tables of settings.

IDU		MODEM (Slot01)
Channel Spacing	56MHz	1+0
Reference Modulation	2048QAM	-
Radio Mode	High Capacity	-
E1 Mapping [CH]	0	-
STM-1 Mapping [CH]	0	-
ETH Bandwidth [Mbps]	495	-
TX RF Frequency [MHz]	14417.000	-
RX RF Frequency [MHz]	14907.000	-
Frame ID	1	-
TX Power Control	MTPC	-
Radio Traffic Aggregation	Not Used	-
Support Version	Version1	-
Distribution Mode	-	-

ODU		MODEM (Slot01)
TX Start Frequency [MHz]	14394.000	1+0
TX Stop Frequency [MHz]	14522.000	-
Frequency Step [MHz]	0.250	-
Shift Frequency [MHz]	490.000	-
Upper / Lower	Lower	-
Sub Band	3	-
RF Frequency Type	TX & RX	-

- Metering**

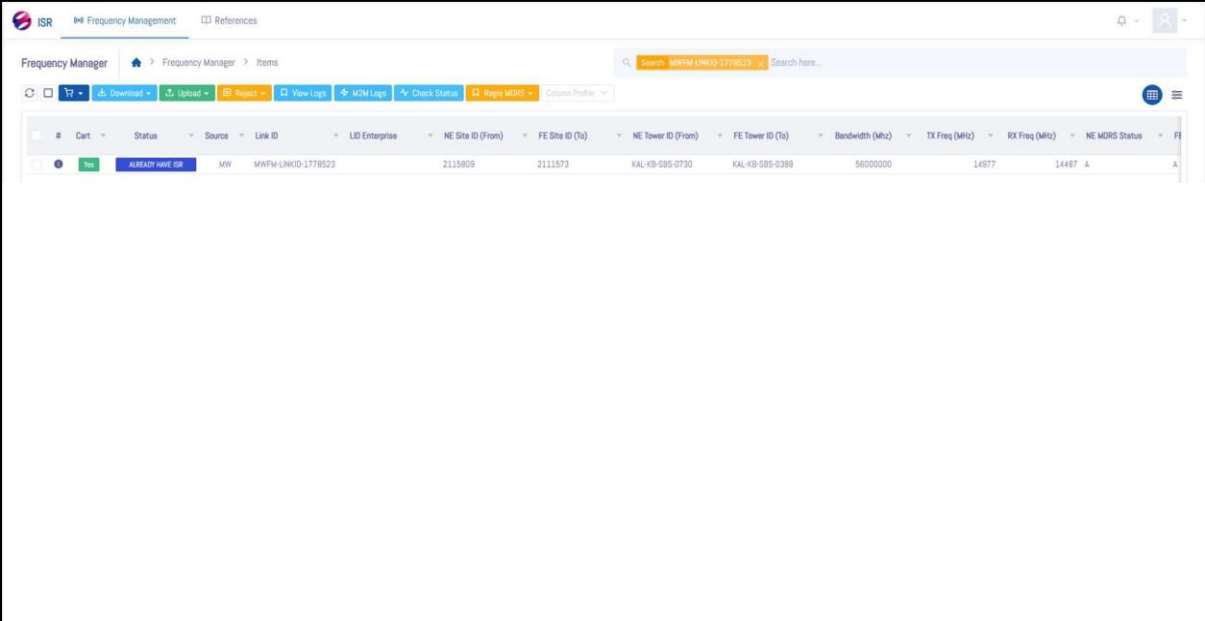


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Radio		MODEM (Slot01)
TX Power [dBm]	-17.0	1+0
RX Level [dBm]	-29.4	-
OCU Power Supply [V]	-50	-
BEI	3.0E-10	-
TX Modulation	2048QAM	-
RX Modulation	2048QAM	-

FAN Speed		MODEM (Slot01)
FAN	FAN Speed1 [rpm]	11190
FAN	FAN Speed2 [rpm]	11280
FAN	FAN Speed3 [rpm]	11400

ISR NUMBER



The screenshot displays the 'Frequency Manager' interface. At the top, there's a navigation bar with 'ISR', 'Frequency Management', and 'References'. Below this is a search bar containing 'WINTM-LINKID-1778523'. A toolbar with various action buttons like 'Download', 'Upload', 'Reset', 'View Logs', 'MOM Logs', 'Check Status', and 'Reps MORS' is visible. The main area contains a table with the following data:

#	Cart	Status	Source	Link ID	LID Enterprise	NE Site ID (From)	FE Site ID (To)	NE Tower ID (From)	FE Tower ID (To)	Bandwidth (MHz)	TX Freq (MHz)	RX Freq (MHz)	NE MORS Status	FE
1	Yes	ALREADY HAVE OK	MW	WINTM-LINKID-1778523		2115809	2111573	KAL-KB-585-0730	KAL-KB-585-0389	56000000	14977	14487	A	A