MIB REFERENCE

Airmux-5000

RAD Broadband Wireless Products

Version 4.9.21

AIRMUX

RAD
Your Network's Edge

Airmux-5000

RAD Broadband Wireless Products

Version 4.9.21

MIB Reference

Notice

Limited Warranty

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RAD warrants to DISTRIBUTOR that the hardware in the Airmux-5000 to be delivered hereunder shall be free of defects in material and workmanship under normal use and service for a period of twelve (12) months following the date of shipment to DISTRIBUTOR.

If, during the warranty period, any component part of the equipment becomes defective by reason of material or workmanship, and DISTRIBUTOR immediately notifies RAD of such defect, RAD shall have the option to choose the appropriate corrective action: a) supply a replacement part, or b) request return of equipment to its plant for repair, or c) perform necessary repair at the equipment's location. In the event that RAD requests the return of equipment, each party shall pay one-way shipping costs.

RAD shall be released from all obligations under its warranty in the event that the equipment has been subjected to misuse, neglect, accident or improper installation, or if repairs or modifications were made by persons other than RAD's own authorized service personnel, unless such repairs by others were made with the written consent of RAD.

The above warranty is in lieu of all other warranties, expressed or implied. There are no warranties which extend beyond the face hereof, including, but not limited to, warranties of merchantability and fitness for a particular purpose, and in no event shall RAD be liable for consequential damages.

RAD shall not be liable to any person for any special or indirect damages, including, but not limited to, lost profits from any cause whatsoever arising from or in any way connected with the manufacture, sale, handling, repair, maintenance or use of the Airmux-5000, and in no event shall RAD's liability exceed the purchase price of the Airmux-5000.

DISTRIBUTOR shall be responsible to its customers for any and all warranties which it makes relating to Airmux-5000 and for ensuring that replacements and other adjustments required in connection with the said warranties are satisfactory.

Software components in the Airmux-5000 are provided "as is" and without warranty of any kind. RAD disclaims all warranties including the implied warranties of merchantability and fitness for a particular purpose. RAD shall not be liable for any loss of use, interruption of business or indirect, special, incidental or consequential damages of any kind. In spite of the above RAD shall do its best to provide error-free software products and shall offer free Software updates during the warranty period under this Agreement.

RAD's cumulative liability to you or any other party for any loss or damages resulting from any claims, demands, or actions arising out of or relating to this Agreement and the Airmux-5000 shall not exceed the sum paid to RAD for the purchase of the Airmux-5000. In no event shall RAD be liable for any indirect, incidental, consequential, special, or exemplary damages or lost profits, even if RAD has been advised of the possibility of such damages.

This Agreement shall be construed and governed in accordance with the laws of the State of Israel.

Product Disposal

To facilitate the reuse, recycling and other forms of recovery of waste equipment in protecting the environment, the owner of this RAD product is required to refrain from disposing of this product as unsorted municipal waste at the end of its life cycle. Upon termination of the unit's use, customers should provide for its collection for reuse, recycling or other form of environmentally conscientious disposal.

General Safety Instructions

The following instructions serve as a general guide for the safe installation and operation of telecommunications products. Additional instructions, if applicable, are included inside the manual.

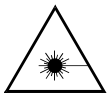
Safety Symbols

Warning

This symbol may appear on the equipment or in the text. It indicates potential safety hazards regarding product operation or maintenance to operator or service personnel.

Danger of electric shock! Avoid any contact with the marked surface while the product is energized or connected to outdoor telecommunication lines.

Protective ground: the marked lug or terminal should be connected to the building protective ground bus.



Warning

Some products may be equipped with a laser diode. In such cases, a label with the laser class and other warnings as applicable will be attached near the optical transmitter. The laser warning symbol may be also attached.

Please observe the following precautions:

- Before turning on the equipment, make sure that the fiber optic cable is intact and is connected to the transmitter.
- Do not attempt to adjust the laser drive current.
- Do not use broken or unterminated fiber-optic cables/connectors or look straight at the laser beam.
- The use of optical devices with the equipment will increase eye hazard.
- Use of controls, adjustments or performing procedures other than those specified herein, may result in hazardous RADiation exposure.

ATTENTION: The laser beam may be invisible!

In some cases, the users may insert their own SFP laser transceivers into the product. Users are alerted that RAD cannot be held responsible for any damage that may result if non-compliant transceivers are used. In particular, users are warned to use only agency approved products that comply with the local laser safety regulations for Class 1 laser products.

Always observe standard safety precautions during installation, operation and maintenance of this product. Only qualified and authorized service personnel should carry out adjustment, maintenance or repairs to this product. No installation, adjustment, maintenance or repairs should be performed by either the operator or the user.

Handling Energized Products

General Safety Practices

Do not touch or tamper with the power supply when the power cord is connected. Line voltages may be present inside certain products even when the power switch (if installed) is in the OFF position or a fuse is blown. For DC-powered products, although the voltages levels are usually not hazardous, energy hazards may still exist.

Before working on equipment connected to power lines or telecommunication lines, remove jewelry or any other metallic object that may come into contact with energized parts.

Unless otherwise specified, all products are intended to be grounded during normal use. Grounding is provided by connecting the mains plug to a wall socket with a protective ground terminal. If a ground lug is provided on the product, it should be connected to the protective ground at all times, by a wire with a diameter of 18 AWG or wider. Rack-mounted equipment should be mounted only in grounded racks and cabinets.

Always make the ground connection first and disconnect it last. Do not connect telecommunication cables to ungrounded equipment. Make sure that all other cables are disconnected before disconnecting the ground.

Some products may have panels secured by thumbscrews with a slotted head. These panels may cover hazardous circuits or parts, such as power supplies. These thumbscrews should therefore always be tightened securely with a screwdriver after both initial installation and subsequent access to the panels.

Connecting AC Mains

Make sure that the electrical installation complies with local codes.

Always connect the AC plug to a wall socket with a protective ground.

The maximum permissible current capability of the branch distribution circuit that supplies power to the product is 16A (20A for USA and Canada). The circuit breaker in the building installation should have high breaking capacity and must operate at short-circuit current exceeding 35A (40A for USA and Canada).

Always connect the power cord first to the equipment and then to the wall socket. If a power switch is provided in the equipment, set it to the OFF position. If the power cord cannot be readily disconnected in case of emergency, make sure that a readily accessible circuit breaker or emergency switch is installed in the building installation.

In cases when the power distribution system is IT type, the switch must disconnect both poles simultaneously.

Connecting DC Power

Unless otherwise specified in the manual, the DC input to the equipment is floating in reference to the ground. Any single pole can be externally grounded.

Due to the high current capability of DC power systems, care should be taken when connecting the DC supply to avoid short-circuits and fire hazards.

Make sure that the DC power supply is electrically isolated from any AC source and that the installation complies with the local codes.

The maximum permissible current capability of the branch distribution circuit that supplies power to the product is 16A (20A for USA and Canada). The circuit breaker in the building installation should have high breaking capacity and must operate at short-circuit current exceeding 35A (40A for USA and Canada).

Before connecting the DC supply wires, ensure that power is removed from the DC circuit. Locate the circuit breaker of the panel board that services the equipment and switch it to the OFF position. When connecting the DC supply wires, first connect the ground wire to the corresponding terminal, then the positive pole and last the negative pole. Switch the circuit breaker back to the ON position.

A readily accessible disconnect device that is suitably rated and approved should be incorporated in the building installation.

If the DC power supply is floating, the switch must disconnect both poles simultaneously.

Connecting Data and Telecommunications Cables

Data and telecommunication interfaces are classified according to their safety status.

The following table lists the status of several standard interfaces. If the status of a given port differs from the standard one, a notice will be given in the manual.

Ports	Safety Status
V.11, V.28, V.35, V.36, RS 530, X.21, 10 BaseT, 100 BaseT, Unbalanced E1, E2, E3, STM, DS-2, DS-3, S Interface ISDN, Analog voice E&M	SELVSafety Extra Low Voltage: Ports which do not present a safety hazard. Usually up to 30 VAC or 60 VDC.
xDSL (without feeding voltage), Balanced E1, T1, Sub E1/T1	TNV-1Telecommunication Network Voltage-1: Ports whose normal operating voltage is within the limits of SELV, on which overvoltages fromtelecommunications networks are possible.
FXS (Foreign Exchange Subscriber	TNV-2Telecommunication Network Voltage-2: Ports whose normal operating voltage exceeds the limits of SELV (usually up to 120 VDC or telephone ringing voltages), on which overvoltages from telecommunication networks are not possible. These ports are not permitted to be directly connected to external telephone and data lines.
FXO (Foreign Exchange Office), xDSL (with feeding voltage), U Interface ISDN	TNV-3 Telecommunication Network Voltage-3: Ports whose normal operating voltage exceeds the limits of SELV (usually up to 120 VDC or telephone ringing voltages), on which overvoltages from telecommunication networks are possible.

Always connect a given port to a port of the same safety status. If in doubt, seek the assistance of a qualified safety engineer.

Always make sure that the equipment is grounded before connecting telecommunication cables. Do not disconnect the ground connection before disconnecting all telecommunications cables.

Some SELV and non-SELV circuits use the same connectors. Use caution when connecting cables. Extra caution should be exercised during thunderstorms.

When using shielded or coaxial cables, verify that there is a good ground connection at both ends. The grounding and bonding of the ground connections should comply with the local codes.

The telecommunication wiring in the building may be damaged or present a fire hazard in case of contact between exposed external wires and the AC power lines. In order to reduce the risk, there are restrictions on the diameter of wires in the telecom cables, between the equipment and the mating connectors.

Caution	To reduce the risk of fire, use only No. 26 AWG or larger telecommunication line cords.

Attention	Pour réduire les risques s'incendie, utiliser seulement des conducteurs de télécommunications 26 AWG ou de section supérieure.

Some ports are suitable for connection to intra-building or non-exposed wiring or cabling only. In such cases, a notice will be given in the installation instructions.

Do not attempt to tamper with any carrier-provided equipment or connection hardware.

Electromagnetic Compatibility (EMC)

The equipment is designed and approved to comply with the electromagnetic regulations of major regulatory bodies. The following instructions may enhance the performance of the equipment and will provide better protection against excessive emission and better immunity against disturbances.

A good ground connection is essential. When installing the equipment in a rack, make sure to remove all traces of paint from the mounting points. Use suitable lock-washers and torque. If an external grounding lug is provided, connect it to the ground bus using braided wire as short as possible.

The equipment is designed to comply with EMC requirements when connecting it with unshielded twisted pair (UTP) cables. However, the use of shielded wires is always recommended, especially for high-rate data. In some cases, when unshielded wires are used, ferrite cores should be installed on certain cables. In such cases, special instructions are provided in the manual.

Disconnect all wires which are not in permanent use, such as cables used for one-time configuration.

The compliance of the equipment with the regulations for conducted emission on the data lines is dependent on the cable quality. The emission is tested for UTP with 80 dB longitudinal conversion loss (LCL).

Unless otherwise specified or described in the manual, TNV-1 and TNV-3 ports provide secondary protection against surges on the data lines. Primary protectors should be provided in the building installation.

The equipment is designed to provide adequate protection against electro-static discharge (ESD). However, it is good working practice to use caution when connecting cables terminated with plastic connectors (without a grounded metal hood, such as flat cables) to sensitive data lines. Before connecting such cables, discharge yourself by touching ground or wear an ESD preventive wrist strap.

Français

FCC-15 User Information

This equipment has been tested and found to comply with the limits of the Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can RADiate RADio frequency energy and, if not installed and used in accordance with the Installation and Operation manual, may cause harmful interference to the RADio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Canadian Emission Requirements

This Class A digital apparatus meets all the requirements of the Canadian Interference-Causing Equipment Regulation.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Warning per EN 55022 (CISPR-22)

Warning	This is a class A product. In a domestic environment, this product may cause RADio interference, in which case the user will be required to take adequate measures.
Avertissement	Cet appareil est un appareil de Classe A. Dans un environnement résidentiel, cet appareil peut provoquer des brouillages RADioélectriques. Dans ces cas, il peut être demandé à l'utilisateur de prendre les mesures appropriées.
Achtung	Das vorliegende Gerät fällt unter die Funkstörgrenzwertklasse A. In Wohngebieten können beim Betrieb dieses Gerätes Rundfunkströrungen auftreten, für deren Behebung der Benutzer verantwortlich ist.

Mise au rebut du produit

Afin de faciliter la réutilisation, le recyclage ainsi que d'autres formes de récupération d'équipement mis au rebut dans le cadre de la protection de l'environnement, il est demandé au propriétaire de ce produit RAD de ne pas mettre ce dernier au rebut en tant que déchet municipal non trié, une fois que le produit est arrivé en fin de cycle de vie. Le client devrait proposer des solutions de réutilisation, de recyclage ou toute autre forme de mise au rebut de cette unité dans un esprit de protection de l'environnement, lorsqu'il aura fini de l'utiliser.

Instructions générales de sécurité

Les instructions suivantes servent de guide général d'installation et d'opération sécurisées des produits de télécommunications. Des instructions supplémentaires sont éventuellement indiquées dans le manuel.

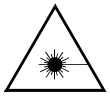
Symboles de sécurité

Avertissement

Ce symbole peut apparaitre sur l'équipement ou dans le texte. Il indique des risques potentiels de sécurité pour l'opérateur ou le personnel de service, quant à l'opération du produit ou à sa maintenance.

Danger de choc électrique ! Evitez tout contact avec la surface marquée tant que le produit est sous tension ou connecté à des lignes externes de télécommunications.

Mise à la terre de protection : la cosse ou la borne marquée devrait être connectée à la prise de terre de protection du bâtiment.



Avertissement

Certains produits peuvent être équipés d'une diode laser. Dans de tels cas, une étiquette indiquant la classe laser ainsi que d'autres avertissements, le cas échéant, sera jointe près du transmetteur optique. Le symbole d'avertissement laser peut aussi être joint.

Veuillez observer les précautions suivantes:

- Avant la mise en marche de l'équipement, assurez-vous que le câble de fibre optique est intact et qu'il est connecté au transmetteur.
- Ne tentez pas d'ajuster le courant de la commande laser.
- N'utilisez pas des câbles ou connecteurs de fibre optique cassés ou sans terminaison et n'observez pas directement un rayon laser.
- L'usage de périphériques optiques avec l'équipement augmentera le risque pour les yeux.
- L'usage de contrôles, ajustages ou procédures autres que celles spécifiées ici pourrait résulter en une dangereuse exposition aux RADiations.

ATTENTION: The laser beam may be invisible!

Les utilisateurs pourront, dans certains cas, insérer leurs propres émetteurs-récepteurs Laser SFP dans le produit. Les utilisateurs sont avertis que RAD ne pourra pas être tenue responsable de tout dommage pouvant résulter de l'utilisation d'émetteurs-récepteurs non conformes. Plus particulièrement, les utilisateurs sont avertis de n'utiliser que des produits approuvés par l'agence et conformes à la réglementation locale de sécurité laser pour les produits laser de classe 1.

Respectez toujours les précautions standards de sécurité durant l'installation, l'opération et la maintenance de ce produit. Seul le personnel de service qualifié et autorisé devrait effectuer l'ajustage, la maintenance ou les réparations de ce produit. Aucune opération d'installation, d'ajustage, de maintenance ou de réparation ne devrait être effectuée par l'opérateur ou l'utilisateur.

Manipuler des produits sous tension

Règles générales de sécurité

Ne pas toucher ou altérer l'alimentation en courant lorsque le câble d'alimentation est branché. Des tensions de lignes peuvent être présentes dans certains produits, même lorsque le commutateur (s'il est installé) est en position OFF ou si le fusible est rompu. Pour les produits alimentés par CC, les niveaux de tension ne sont généralement pas dangereux mais des risques de courant peuvent toujours exister.

Avant de travailler sur un équipement connecté aux lignes de tension ou de télécommunications, retirez vos bijoux ou tout autre objet métallique pouvant venir en contact avec les pièces sous tension.

Sauf s'il en est autrement indiqué, tous les produits sont destinés à être mis à la terre durant l'usage normal. La mise à la terre est fournie par la connexion de la fiche principale à une prise murale équipée d'une borne protectrice de mise à la terre. Si une cosse de mise à la terre est fournie avec le produit, elle devrait être connectée à tout moment à une mise à la terre de protection par un conducteur de diamètre 18 AWG ou plus. L'équipement monté en châssis ne devrait être monté que sur des châssis et dans des armoires mises à la terre.

Branchez toujours la mise à la terre en premier et débranchez-la en dernier. Ne branchez pas des câbles de télécommunications à un équipement qui n'est pas mis à la terre. Assurez-vous que tous les autres câbles sont débranchés avant de déconnecter la mise à la terre.

Connexion au courant du secteur

Assurez-vous que l'installation électrique est conforme à la réglementation locale.

Branchez toujours la fiche de secteur à une prise murale équipée d'une borne protectrice de mise à la terre.

La capacité maximale permissible en courant du circuit de distribution de la connexion alimentant le produit est de 16A (20A aux Etats Unis et Canada). Le coupe-circuit dans l'installation du bâtiment devrait avoir une capacité élevée de rupture et devrait fonctionner sur courant de court-circuit dépassant 35A (40A aux Etats Unis et Canada).

Branchez toujours le câble d'alimentation en premier à l'équipement puis à la prise murale. Si un commutateur est fourni avec l'équipement, fixez-le en position OFF. Si le câble d'alimentation ne peut pas être facilement débranché en cas d'urgence, assurez-vous qu'un coupe-circuit ou un disjoncteur d'urgence facilement accessible est installé dans l'installation du bâtiment.

Le disjoncteur devrait déconnecter simultanément les deux pôles si le système de distribution de courant est de type IT.

Connexion d'alimentation CC

Sauf s'il en est autrement spécifié dans le manuel, l'entrée CC de l'équipement est flottante par rapport à la mise à la terre. Tout pôle doit être mis à la terre en externe.

A cause de la capacité de courant des systèmes à alimentation CC, des précautions devraient être prises lors de la connexion de l'alimentation CC pour éviter des courts-circuits et des risques d'incendie.

Assurez-vous que l'alimentation CC est isolée de toute source de courant CA (secteur) et que l'installation est conforme à la réglementation locale.

La capacité maximale permissible en courant du circuit de distribution de la connexion alimentant le produit est de 16A (20A aux Etats Unis et Canada). Le coupe-circuit dans l'installation du bâtiment devrait avoir une capacité élevée de rupture et devrait fonctionner sur courant de court-circuit dépassant 35A (40A aux Etats Unis et Canada).

Avant la connexion des câbles d'alimentation en courant CC, assurez-vous que le circuit CC n'est pas sous tension. Localisez le coupe-circuit dans le tableau desservant l'équipement et fixez-le en position OFF. Lors de la connexion de câbles d'alimentation CC, connectez d'abord le conducteur de mise à la terre à la borne correspondante, puis le pôle positif et en dernier, le pôle négatif. Remettez le coupe-circuit en position ON.

Un disjoncteur facilement accessible, adapté et approuvé devrait être intégré à l'installation du bâtiment.

Le disjoncteur devrait déconnecter simultanément les deux pôles si l'alimentation en courant CC est flottante.

Contents

Chapter 1 Introduction

1.1 About the MIB

The RAD MIB is a set of APIs that enables external applications to control RAD equipment.

The MIB is divided into public and a private API groups:

- **Public**: RFC-1213 (MIB II) variables, RFC-1214 (MIB II) System and interfaces sections
- **Private**: Controlled by RAD and supplements the public group.

This appendix describes the public and private MIB used by RAD.

1.2 Terminology

The following terms are used in this document.

Term	Meaning
CPE	Customer Premises Equipment. Used in the same manner as SU.
MIB	Management Information Base
API	Application Programming Interface
SNMP	Simple Network Management Protocol

In addition, the MIB uses internally, the older notions of **Local site** and **Remote site** where this manual would use site A and site B.

Chapter 2 Interface API

2.1 Control Method

The Airmux Manager application provides all the means to configure and monitor a Broadband Wireless link, communicating with the SNMP agent in each ODU. Each SNMP agent contains data on each of the PoEs and ODUs in the link. Both agents communicate with each other over the air using a proprietary protocol.

Note *Each ODU has a single MAC address and a single IP address.*

To control and configure the device using the MIB, adhere to the following rules:

- The connection for control and configuration is to the local site, over any SNMP/UDP/IP network.
- All Parameters should be consistent between both of the ODUs. Note that inconsistency of air parameters can break the air connection. To correct air parameters inconsistency you must reconfigure each of the ODUs.

- Common practice is to configure the remote site first and then to configure the local site.
- For some of the configuration parameters additional action must be taken before the new value is loaded. Please refer to the operation in the parameters description.
- Some of the MIB parameters values are product dependent. It is strongly recommend using the Airmux Manager Application for changing these values. Setting wrong values may cause indeterminate results.

2.2 Community String

To control a link, all SNMP requests should go to the local site IP address.

Chapter 3 Private MIB Structure

The sections in the private RAD MIB and its location in the MIB tree are shown in *Figure 5-1* below:

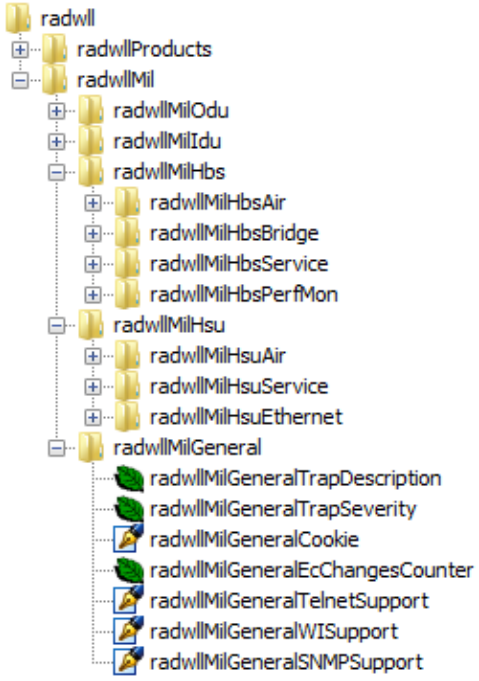


Figure 5-1: Top Level Sections of the private MIB

The products MIB section contains the definition of the Object IDs for the two types of radio units, Integrated Antenna (where applicable) and Connectorized (referred in the MIB as **external antenna)** and GSU (where applicable):

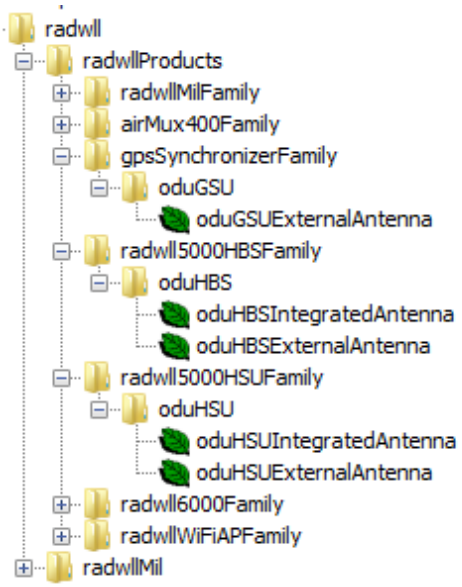


Figure 5-2: Product MIB

The GpsSynchronizerFamily MIB defines the GSU.

The general MIB include a single generic parameter that is used by all traps as a trap description parameter.

Chapter 4 MIB Parameters

This section describes the MIB parameters. The MIB parameters use the following naming convention:

‹radwllMil›‹Section 1›...‹Section n›‹Parameter Name›

For each of the configuration and control parameters (parameters with read-write access), the "Description" column describes when the new value is effective. It is recommended that you perform the appropriate action to make the values affective immediately after any change. Where a change is required on both sides of the link, it is recommended that you change both sides of the link first and then perform the action.

4.1 Supported Variables from the RFC 1213 MIB

Table 1. Supported Variables (Sheet 1 of 2)

Name	OID	Type	Access	Description
ifIndex	.1.3.6.1.2.1.2.2.1.1.x[a]	Integer	RO	A unique value for each interface.Its value ranges between 1 and the value of ifNumber.The value for each interface must remain constant at least from one re-initialization of the entity's network management system to the next re-initialization.
ifDescr	.1.3.6.1.2.1.2.2.1.2	DisplayString	RO	A textual string containing information about the interface.This string should include the name of the manufacturer, the product name and the version of the hardware interface.
ifType	.1.3.6.1.2.1.2.2.1.3	Integer	RO	The type of interface, distinguished according to the physical/link protocol(s) immediately `below' the network layer in the protocol stack.
ifSpeed	.1.3.6.1.2.1.2.2.1.5	Gauge	RO	An estimate of the interface's current bandwidth in bits per second.For interfaces which do not vary in bandwidth or for those where no accurate estimation can be made, this object should ontain the nominal bandwidth.
ifPhysAddress	.1.3.6.1.2.1.2.2.1.6	Phys-Address	RO	The interface's address at the protocol layer immediately `below' the network layer in the protocol stack. For interfaces which do not have such an address (e.g., a serial line), this object should contain an octet string of zero length.
ifAdminStatus	.1.3.6.1.2.1.2.2.1.7	Integer	RW	The desired state of the interface. The testing(3) state indicates that no operational packets can be passed.
ifOperStatus	.1.3.6.1.2.1.2.2.1.8	Integer	RO	The current operational state of the interface. The testing(3) state indicates that no operational packets can be passed.
ifInOctets	.1.3.6.1.2.1.2.2.1.10.x	Counter	RO	The total number of octets received on the interface, including framing characters.
ifInUcastPkts	.1.3.6.1.2.1.2.2.1.11.x	Counter	RO	The number of subnetwork-unicast packets delivered to a higher-layer protocol.
ifInNUcastPkts	.1.3.6.1.2.1.2.2.1.12.x	Counter	RO	The number of non-unicast (i.e., subnetwork- broadcast or subnetwork-multicast) packets delivered to a higher-layer protocol.
ifInErrors	.1.3.6.1.2.1.2.2.1.14.x	Counter	RO	The number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol.
ifOutOctets	.1.3.6.1.2.1.2.2.1.16.x	Counter	RO	The total number of octets transmitted out of the interface, including framing characters.

Table 1. Supported Variables (Sheet 2 of 2)

Name	OID	Type	Access	Description
ifOutUcastPkts	.1.3.6.1.2.1.2.2.1.17.x	Counter	RO	The total number of packets that higher-level protocols requested be transmitted to a subnetwork-unicast address, including those that were discarded or not sent.
ifOutNUcastPkts	.1.3.6.1.2.1.2.2.1.18.x	Counter	RO	The total number of packets that higher-level protocols requested be transmitted to a non- unicast (i.e., a subnetwork-broadcast or subnetwork-multicast) address, including those that were discarded or not sent.

a. x is the interface ID

4.2 Private MIB Parameters

BS

Table 2. BS Private MIB Parameters (Sheet 1 of 46)

Name	OID	Type	Access	Description
radwllMilOduAdmProductType	1.3.6.1.4.1.4458.1000.1.1.1	DisplayString	RO	ODU configuration description.
radwllMilOduAdmBroadcast	1.3.6.1.4.1.4458.1000.1.1.10	Integer	RW	This parameter is reserved for the Manager application provided with the product.
radwllMilOduAdmHostsIndex	1.3.6.1.4.1.4458.1000.1.1.12.1.1	Integer	RO	Trap destinations table index.
radwllMilOduAdmHostsIp	1.3.6.1.4.1.4458.1000.1.1.12.1.2	IPAddress	RW	Trap destination IP address. A change is effective immediately.
radwllMilOduAdmHostsPort	1.3.6.1.4.1.4458.1000.1.1.12.1.3	Integer	RW	UDP port of the trap destination. A change is effective immediately.
radwllMilOduAdmHostsSecurityModel	1.3.6.1.4.1.4458.1000.1.1.12.1.4	Integer	RW	Security model used for this trap generation.
radwllMilOduAdmHostsUserName	1.3.6.1.4.1.4458.1000.1.1.12.1.5	DisplayString	RW	User name used to generate the snmpv3 trap.
radwllMilOduAdmHostsPassword	1.3.6.1.4.1.4458.1000.1.1.12.1.6	DisplayString	RW	Password used to generate the snmpv3 trap.
radwllMilOduAdmHostsIPv6	1.3.6.1.4.1.4458.1000.1.1.12.1.7	DisplayString	RW	Trap destination IPv6 address. A change is effective immediately.
radwllMilOduBuzzerAdminState	1.3.6.1.4.1.4458.1000.1.1.13	Integer	RW	This parameter controls the activation of the buzzer while the unit is in install mode. A change is effective immediately. The valid values are: disabled (0) enabledAuto (1) enabledConstantly(2) advancedAuto (3).
radwllMilOduProductId	1.3.6.1.4.1.4458.1000.1.1.14	DisplayString	RO	This parameter is reserved for the Manager application provided with the product.
radwllMilOduReadCommunity	1.3.6.1.4.1.4458.1000.1.1.15	DisplayString	RW	Read Community String. This parameter always returns ***** when retrieving its value. It is used by the Manager application to change the Read Community String. The SNMP agent accepts only encrypted values.
radwllMilOduReadWriteCommunity	1.3.6.1.4.1.4458.1000.1.1.16	DisplayString	RW	Read/Write Community String. This parameter always returns ***** when retrieving its value. It is used by the Manager application to change the Read/Write Community String. The SNMP agent accepts only encrypted values.
radwllMilOduTrapCommunity	1.3.6.1.4.1.4458.1000.1.1.17	DisplayString	RW	Trap Community String. This parameter is used by the Manager application to change the Trap Community String. The SNMP agent accepts only encrypted values.
radwllMilOduAdmSnmpAgentVersion	1.3.6.1.4.1.4458.1000.1.1.18	Integer	RO	Major version of the SNMP agent.

Table 2. BS Private MIB Parameters (Sheet 2 of 46)

Name	OID	Type	Access	Description
radwllMilOduAdmRemoteSiteName	1.3.6.1.4.1.4458.1000.1.1.19	DisplayString	RO	Remote site name. Returns the same value as sysLocation parameter of the remote site.
radwllMilOduAdmHwRev	1.3.6.1.4.1.4458.1000.1.1.2	DisplayString	RO	ODU Hardware Version.
radwllMilOduAdmSnmpAgentMinorVersion	1.3.6.1.4.1.4458.1000.1.1.20	Integer	RO	Minor version of the SNMP agent.
radwllMilOduAdmLinkPassword	1.3.6.1.4.1.4458.1000.1.1.21	DisplayString	RW	Link Password. This parameter always returns ***** when retrieving its value. It is used by the Manager application to change the Link Password. The SNMP agent accepts only encrypted values.
radwllMilOduAdmSiteLinkPassword	1.3.6.1.4.1.4458.1000.1.1.22	DisplayString	RW	Site Link Password. This parameter always returns ***** when retrieving its value. It is used by the Manager application to change the Link Password of the site. The SNMP agent accepts only encrypted values.
radwllMilOduAdmDefaultPassword	1.3.6.1.4.1.4458.1000.1.1.23	Integer	RO	This parameter indicates if the current Link Password is the default password.
radwllMilOduAdmConnectionType	1.3.6.1.4.1.4458.1000.1.1.24	Integer	RO	This parameter indicates if the Manager application is connected to the local ODU or to the remote ODU over the air. A value of 'unknown' indicates community string mismatch.
radwllMilOduAdmBackToFactorySettingsCmd	1.3.6.1.4.1.4458.1000.1.1.25	Integer	RW	Back to factory settings Command. A change is effective after reset. The read value is always 0.
radwllMilOduAdmIpParamsCnfg	1.3.6.1.4.1.4458.1000.1.1.26	DisplayString	RW	ODU IP address Configuration. The format is: <IP_Address>|<Subnet_Mask>|<Default_Gateway>|
radwllMilOduAdmVlanID	1.3.6.1.4.1.4458.1000.1.1.27	Integer	RW	VLAN ID. Valid values are 1 to 4094. Initial value is 0 meaning VLAN unaware.
radwllMilOduAdmVlanPriority	1.3.6.1.4.1.4458.1000.1.1.28	Integer	RW	VLAN Priority. 0 is lowest priority 7 is highest priority.
radwllMilOduAdmSN	1.3.6.1.4.1.4458.1000.1.1.29	DisplayString	RO	ODU Serial Number
radwllMilOduAdmSwRev	1.3.6.1.4.1.4458.1000.1.1.3	DisplayString	RO	ODU Software Version.
radwllMilOduAdmProductName	1.3.6.1.4.1.4458.1000.1.1.30	DisplayString	RO	This is the product name as it exists at EC
radwllMilOduAdmActivationKey	1.3.6.1.4.1.4458.1000.1.1.31	DisplayString	RW	Activates a general key.
radwllMilOduAdmRmtPermittedOduType	1.3.6.1.4.1.4458.1000.1.1.32	DisplayString	RW	Mobile Application: permitted partner OduType.
radwllMilOduAdmCpuID	1.3.6.1.4.1.4458.1000.1.1.33	Integer	RO	CPU ID
radwllMilOduAdmOvrdCmd	1.3.6.1.4.1.4458.1000.1.1.34	DisplayString	RW	Ability to perform special command in the ODU.
radwllMilOduAdmLinkMode	1.3.6.1.4.1.4458.1000.1.1.35	Integer	RW	Unit PMP operation mode.
radwllMilOduAdmActualConnectMode	1.3.6.1.4.1.4458.1000.1.1.36	Integer	RO	Unit connected as part to ptp or ptmp.

Table 2. BS Private MIB Parameters (Sheet 3 of 46)

Name	OID	Type	Access	Description
radwllMilOduAdmAES256Support	1.3.6.1.4.1.4458.1000.1.1.37	Integer	RO	AES-256 security support indication.
radwllMilOduAdmAES256State	1.3.6.1.4.1.4458.1000.1.1.38	Integer	RW	Enable/Disable AES-256 security mode over the air link.
radwllMilOduAdmAES256Status	1.3.6.1.4.1.4458.1000.1.1.39	Integer	RO	AES256 operating status
radwllMilOduAdmLinkName	1.3.6.1.4.1.4458.1000.1.1.4	DisplayString	RW	Link Name. A change is effective immediately.
radwllMilOduAdmBatterySavingShutdownTime	1.3.6.1.4.1.4458.1000.1.1.40	Integer	RW	Battery Saving Shutdown Time in minutes 0 till battery run out -1 if not supported.
radwllMilOduAdmWiFiPowerMode	1.3.6.1.4.1.4458.1000.1.1.41	Integer	RW	WIFI unit power mode.
radwllMilOduAdmShutdownTimer	1.3.6.1.4.1.4458.1000.1.1.42	Integer	RO	Shutdown Timer in seconds.
radwllMilOduAdmGPSState	1.3.6.1.4.1.4458.1000.1.1.43	Integer	RO	GPS state
radwllMilOduAdmTemperatureC	1.3.6.1.4.1.4458.1000.1.1.44	Integer	RO	The temperature (Celsius) inside the Board.
radwllMilOduAdmIPStackMode	1.3.6.1.4.1.4458.1000.1.1.45	Integer	RW	The IP stack mode.
radwllMilOduAdmIPv6ParamsCnfg	1.3.6.1.4.1.4458.1000.1.1.46	DisplayString	RW	ODU IPv6 address Configuration. The format is: <IP_Address>|<Subnet_Mask>|<Default_Gateway>|
radwllMilOduAdmIPv6Address	1.3.6.1.4.1.4458.1000.1.1.47	DisplayString	RO	ODU IPv6 address.
radwllMilOduAdmIPv6Prefix	1.3.6.1.4.1.4458.1000.1.1.48	Integer	RO	ODU IPv6 subnet mask.
radwllMilOduAdmIPv6DefaultGateWay	1.3.6.1.4.1.4458.1000.1.1.49	DisplayString	RO	ODU IPv6 default gateway.
radwllMilOduAdmResetCmd	1.3.6.1.4.1.4458.1000.1.1.5	Integer	RW	Reset Command. A set command with a value of 3 will cause a device reset. The read value is always 0.
radwllMilOduAdmPowerConsumption	1.3.6.1.4.1.4458.1000.1.1.50	Integer	RO	Power Consumption (mWatt)
radwllMilOduAdmWifiChannel	1.3.6.1.4.1.4458.1000.1.1.51.1	Integer	RW	Wifi Channel
radwllMilOduAdmWifiApStatus	1.3.6.1.4.1.4458.1000.1.1.51.10	Integer	RO	Wifi AP Status
radwllMilOduAdmWifiMaxTxPower	1.3.6.1.4.1.4458.1000.1.1.51.11	Integer	RO	Wifi Max Tx Power
radwllMilOduAdmWiFiRssiAndMacIndex	1.3.6.1.4.1.4458.1000.1.1.51.12.1.1	Integer	RO	Wifi Rssi And Mac adress per connected user Index.
radwllMilOduAdmWiFiRssiAndMac	1.3.6.1.4.1.4458.1000.1.1.51.12.1.2	DisplayString	RO	Wifi Rssi And Mac adress per connected user value.
radwllMilOduAdmWifiTxPower	1.3.6.1.4.1.4458.1000.1.1.51.2	Integer	RW	Wifi TX Power
radwllMilOduAdmWifiSSID	1.3.6.1.4.1.4458.1000.1.1.51.3	DisplayString	RO	Wifi SSID
radwllMilOduAdmWifiSecurityType	1.3.6.1.4.1.4458.1000.1.1.51.4	Integer	RO	Wifi Security type

Table 2. BS Private MIB Parameters (Sheet 4 of 46)

Name	OID	Type	Access	Description
radwllMilOduAdmWifiPassword	1.3.6.1.4.1.4458.1000.1.1.51.5	DisplayString	RW	Wifi Password
radwllMilOduAdmWifiNetwork	1.3.6.1.4.1.4458.1000.1.1.51.6	IPAddress	RW	Wifi Network
radwllMilOduAdmWifiRssi	1.3.6.1.4.1.4458.1000.1.1.51.7	Integer	RO	Wifi RSSI
radwllMilOduAdmWifiStationMAC	1.3.6.1.4.1.4458.1000.1.1.51.8	DisplayString	RO	Wifi Station MAC
radwllMilOduAdmWifiRestart	1.3.6.1.4.1.4458.1000.1.1.51.9	Integer	RW	A set command with a value of 1 will cause a Wifi restart. The read value is always 0.
radwllMilOduAdmBsaOperationMode	1.3.6.1.4.1.4458.1000.1.1.52	Integer	RO	BSA Operation Mode
radwllMilOduAdmMngConnection	1.3.6.1.4.1.4458.1000.1.1.53	DisplayString	RW	Management Connection
radwllMilOduAdm1588TCSupport	1.3.6.1.4.1.4458.1000.1.1.54	Integer	RO	Indicates that 1588TC license activated
radwllMilOduAdmSyncESupport	1.3.6.1.4.1.4458.1000.1.1.55	Integer	RO	ndicates that SyncE license activated
radwllMilOduAdmRadioRev	1.3.6.1.4.1.4458.1000.1.1.56	DisplayString	RO	Radio Revision
radwllMilOduAdmProductRev	1.3.6.1.4.1.4458.1000.1.1.57	DisplayString	RO	Product Revision
radwllMilOduAdmManagerDownloadURL	1.3.6.1.4.1.4458.1000.1.1.59	DisplayString	RW	This is the URL from which management tool can be downloaded
radwllMilOduAdmAddres	1.3.6.1.4.1.4458.1000.1.1.6	IPAddress	RW	ODU IP address. A change is effective after reset. The parameter is kept for backward compatibility. Using the alternative parameter: radwllMilOduAdmIpParamsCnfg is recommended.
radwllMilOduAdmAntennaDescription	1.3.6.1.4.1.4458.1000.1.1.60	DisplayString	RO	The is a description of the antenna connected to the ODU
radwllMilOduAdmSwCapabilities	1.3.6.1.4.1.4458.1000.1.1.61	DisplayString	RO	This is used to describe which Software Capabilities the current ODU supports
radwllMilOduAdmSecurityMode	1.3.6.1.4.1.4458.1000.1.1.64	Integer	RW	ODUs Security Mode : standard (1) high (2) veryHigh (3)
radwllMilOduAdmTemporarilyDisableSecurityMode	1.3.6.1.4.1.4458.1000.1.1.65	Integer	RW	shall allow the user to disable high/very high Security Mode for 10 minutes
radwllMilOduAdmMask	1.3.6.1.4.1.4458.1000.1.1.7	IPAddress	RW	ODU Subnet Mask. A change is effective after reset. The parameter is kept for backward compatibility. Using the alternative parameter: radwllMilOduAdmIpParamsCnfg is recommended.
radwllMilOduAdmGateway	1.3.6.1.4.1.4458.1000.1.1.8	IPAddress	RW	ODU default gateway. A change is effective after reset. The parameter is kept for backward compatibility. Using the alternative parameter: radwllMilOduAdmIpParamsCnfg is recommended.

Table 2. BS Private MIB Parameters (Sheet 5 of 46)

Name	OID	Type	Access	Description
radwllMilOduSrvMode	1.3.6.1.4.1.4458.1000.1.2.1	Integer	RW	System mode. The only values that can be set are installMode and slaveMode; normalMode reserved to the Manager application provided with the product. A change is effective after link re-synchronization.
radwllMilOduSrvBridging	1.3.6.1.4.1.4458.1000.1.2.3	Integer	RO	Bridging Mode. Valid values are: disabled (0) enabled (1).
radwllMilOduServiceVlanProviderListTPIDstr	1.3.6.1.4.1.4458.1000.1.2.6.8	DisplayString	RO	Holds the possible Provider TPIDs.
radwllMilOduDhcpRelayAgent	1.3.6.1.4.1.4458.1000.1.2.7	Integer	RW	DHCP Relay Agent Mode
radwllMilOduDhcpRelayAgentCircuitIdSouirce		Integer	RW	DHCP Relay Agent Circuit ID Source
radwllMilOduDhcpRelayAgentRemoteIdSouirce		Integer	RW	DHCP Relay Agent Remote ID Source
radwllMilOduEthernetRemainingRate	1.3.6.1.4.1.4458.1000.1.3.1	Integer	RO	Current Ethernet bandwidth in bps.
radwllMilOduEthernetIfIndex	1.3.6.1.4.1.4458.1000.1.3.2.1.1	Integer	RO	ODU Ethernet Interface Index.
radwllMilOduEthernetIf1588v2PTPEventTXRate	1.3.6.1.4.1.4458.1000.1.3.2.1.10	Integer	RO	For debug use
radwllMilOduEthernetIfAddress	1.3.6.1.4.1.4458.1000.1.3.2.1.5	DisplayString	RO	ODU MAC address.
radwllMilOduEthernetIfAdminStatus	1.3.6.1.4.1.4458.1000.1.3.2.1.6	Integer	RW	Required state of the interface.
radwllMilOduEthernetIfOperStatus	1.3.6.1.4.1.4458.1000.1.3.2.1.7	Integer	RO	Current operational state of the interface.
radwllMilOduEthernetIfFailAction	1.3.6.1.4.1.4458.1000.1.3.2.1.8	Integer	RW	Failure action of the interface.
radwllMilOduEthernetIf1588v2PTPEventRXRate	1.3.6.1.4.1.4458.1000.1.3.2.1.9	Integer	RO	For debug use
radwllMilOduEthernetNumOfPorts	1.3.6.1.4.1.4458.1000.1.3.3	Integer	RO	Number of ODU network interfaces.
radwllMilOduEthernetGbeSupported	1.3.6.1.4.1.4458.1000.1.3.4	Integer	RO	read-only
radwllMilOduEthernetSfpProperties	1.3.6.1.4.1.4458.1000.1.3.5	DisplayString	RO	Sfp port properties.
radwllMilOduBridgeTpMode	1.3.6.1.4.1.4458.1000.1.4.4.101	Integer	RW	ODU bridge mode. A change is effective after reset. Valid values: hubMode (0) bridgeMode (1).
radwllMilOduBridgeConfigMode	1.3.6.1.4.1.4458.1000.1.4.4.102	Integer	RO	ODU bridge configuration mode
radwllMilOduBridgeTpPortIndex	1.3.6.1.4.1.4458.1000.1.4.4.3.1.1	Integer	RO	ODU Transparent Bridge Port Number.
radwllMilOduBridgeTpPortInBytes	1.3.6.1.4.1.4458.1000.1.4.4.3.1.101	Counter	RO	Number of bytes received by this port.
radwllMilOduBridgeTpPortOutBytes	1.3.6.1.4.1.4458.1000.1.4.4.3.1.102	Counter	RO	Number of bytes transmitted by this port.
radwllMilOduBridgeTpPortInFrames	1.3.6.1.4.1.4458.1000.1.4.4.3.1.3	Counter	RO	Number of frames received by this port.
radwllMilOduBridgeTpPortOutFrames	1.3.6.1.4.1.4458.1000.1.4.4.3.1.4	Counter	RO	Number of frames transmitted by this port.

Table 2. BS Private MIB Parameters (Sheet 6 of 46)

Name	OID	Type	Access	Description
radwllMilOduAirFreq	1.3.6.1.4.1.4458.1000.1.5.1	Integer	RW	Installation Center Frequency. Valid values are product dependent. A change is effective after link re-synchronization.
radwllMilOduAirTxPower36	1.3.6.1.4.1.4458.1000.1.5.10	Integer	RW	Deprecated parameter. Actual behavior is read-only.
radwllMilOduAirTxPower48	1.3.6.1.4.1.4458.1000.1.5.11	Integer	RW	Deprecated parameter. Actual behavior is read-only.
radwllMilOduAirCurrentTxPower	1.3.6.1.4.1.4458.1000.1.5.12	Integer	RO	Current Transmit Power in dBm. This is a nominal value while the actual transmit power includes additional attenuation.
radwllMilOduAirMinFrequency	1.3.6.1.4.1.4458.1000.1.5.13	Integer	RO	Minimum center frequency in MHz.
radwllMilOduAirMaxFrequency	1.3.6.1.4.1.4458.1000.1.5.14	Integer	RO	Maximum center frequency in MHz.
radwllMilOduAirFreqResolution	1.3.6.1.4.1.4458.1000.1.5.15	Integer	RO	Center Frequency resolution. Measured in MHz if value < 100 otherwise in KHz.
radwllMilOduAirCurrentFreq	1.3.6.1.4.1.4458.1000.1.5.16	Integer	RO	Current Center Frequency. Measured in MHz if center frequency resolution value < 100 otherwise in KHz.
radwllMilOduAirNumberOfChannels	1.3.6.1.4.1.4458.1000.1.5.17	Integer	RO	Number of channels that can be used.
radwllMilOduAirDesiredRate	1.3.6.1.4.1.4458.1000.1.5.2	Integer	RW	Deprecated parameter actual behavior is read-only. Required Air Rate. For Channel Bandwidth of 20 10 5 MHz divide the value by 1 2 4 respectively.
radwllMilOduAirAutoChannelSelectionState	1.3.6.1.4.1.4458.1000.1.5.20	Integer	RO	Deprecated parameter. Indicating Automatic Channel Selection availability at current channel bandwidth. Valid values: disabled (0) enabled (1).
radwllMilOduAirEnableTxPower	1.3.6.1.4.1.4458.1000.1.5.21	Integer	RO	Indicating Transmit power configuration enabled or disabled.
radwllMilOduAirMinTxPower	1.3.6.1.4.1.4458.1000.1.5.22	Integer	RO	Minimum Transmit power in dBm.
radwllMilOduAirMaxTxPowerIndex	1.3.6.1.4.1.4458.1000.1.5.23.1.1	Integer	RO	Air interface rate index.
radwllMilOduAirMaxTxPower	1.3.6.1.4.1.4458.1000.1.5.23.1.2	Integer	RO	Maximum Transmit power in dBm.
radwllMilOduAirChannelBandwidth	1.3.6.1.4.1.4458.1000.1.5.24	Integer	RW	Channel bandwidth in KHz. A change is effective after reset.
radwllMilOduAirChannelBWIndex	1.3.6.1.4.1.4458.1000.1.5.25.1.1	Integer	RO	Channel Bandwidth index.
radwllMilOduAirChannelBWAvail	1.3.6.1.4.1.4458.1000.1.5.25.1.2	Integer	RO	Channel Bandwidth availability product specific. Options are: Not supported supported with manual channel selection supported with Automatic Channel Selection.
radwllMilOduAirChannelsAdminState	1.3.6.1.4.1.4458.1000.1.5.25.1.3	DisplayString	RO	Channels' availability per CBW.
radwllMilOduAirChannelBWHSSATDDConflictPerCBW	1.3.6.1.4.1.4458.1000.1.5.25.1.4	Integer	RO	Indication for possible Link drop per CBW due to conflict between HSS and ATDD.
radwllMilOduAirChannelBWMinRatioForSupporting	1.3.6.1.4.1.4458.1000.1.5.25.1.5	Integer	RO	Minimal TX ratio that may be used by the HSM and still enable proper operation of the aforementioned CBW.

Table 2. BS Private MIB Parameters (Sheet 7 of 46)

Name	OID	Type	Access	Description
radwllMilOduAirChannelBWMaxRatioForSupporting	1.3.6.1.4.1.4458.1000.1.5.25.1.6	Integer	RO	Maximal TX ratio that may be used by the HSM and still enable proper operation of the aforementioned CBW.
radwllMilOduAirRFD	1.3.6.1.4.1.4458.1000.1.5.26	Integer	RO	Current radio frame duration in microseconds.
radwllMilOduAirDesiredRateIdx	1.3.6.1.4.1.4458.1000.1.5.28	Integer	RW	Required Air Rate index. 0 reserved for Adaptive Rate. A change is effective immediately after Set operation to the master side while the link is up.
radwllMilOduAirLinkDistance	1.3.6.1.4.1.4458.1000.1.5.29	Integer	RO	Link distance in meters. A value of -1 indicates an illegal value and is also used when a link is not established.
radwllMilOduAirSSID	1.3.6.1.4.1.4458.1000.1.5.3	DisplayString	RW	Reserved for the Manager application provided with the product. The Sector ID in Point-To-Multi-Point systems.
radwllMilOduAirLinkWorkingMode	1.3.6.1.4.1.4458.1000.1.5.30	Integer	RO	Link working mode as a result of comparing versions of both sides of the link. Possible modes are: Unknown - no link Normal - versions on both sides are identical with full compatibility with restricted compatibility or versions on both sides are different with software upgrade or versions incompatibility.
radwllMilOduAirMajorLinkIfVersion	1.3.6.1.4.1.4458.1000.1.5.31	Integer	RO	Major link interface version
radwllMilOduAirMinorLinkIfVersion	1.3.6.1.4.1.4458.1000.1.5.32	Integer	RO	Minor link interface version
radwllMilOduAirTxPower	1.3.6.1.4.1.4458.1000.1.5.4	Integer	RW	Required Transmit power in dBm . This is a nominal value while the actual transmit power includes additional attenuation. The min and max values are product specific. A change is effective immediately.
radwllMilOduAirHssDesiredOpState	1.3.6.1.4.1.4458.1000.1.5.40.1	Integer	RW	Required Hub Site Synchronization operating state. For HssSyncUnits : For hssISU :[2 7] For hssGSU :[2 6] For HBS: [2 3 4 5]
radwllMilOduAirHssTime	1.3.6.1.4.1.4458.1000.1.5.40.10	DisplayString	RO	Hub Site Synchronization GPS time
radwllMilOduAirHssLatitude	1.3.6.1.4.1.4458.1000.1.5.40.11	DisplayString	RO	Hub Site Synchronization GPS Latitude
radwllMilOduAirHssNSIndicator	1.3.6.1.4.1.4458.1000.1.5.40.12	DisplayString	RO	Hub Site Synchronization GPS N/S Indicator
radwllMilOduAirHssLongitude	1.3.6.1.4.1.4458.1000.1.5.40.13	DisplayString	RO	Hub Site Synchronization GPS Longitude
radwllMilOduAirHssEWIndicator	1.3.6.1.4.1.4458.1000.1.5.40.14	DisplayString	RO	Hub Site Synchronization GPS E/W Indicator
radwllMilOduAirHssNumSatellites	1.3.6.1.4.1.4458.1000.1.5.40.15	DisplayString	RO	Hub Site Synchronization GPS Number of satellites
radwllMilOduAirHssAltitude	1.3.6.1.4.1.4458.1000.1.5.40.16	DisplayString	RO	Hub Site Synchronization GPS Altitude
radwllMilOduAirHssRfpPhase	1.3.6.1.4.1.4458.1000.1.5.40.17	Integer	RW	Hub Site Synchronization GPS RFP phase

Table 2. BS Private MIB Parameters (Sheet 8 of 46)

Name	OID	Type	Access	Description
radwllMilOduAirHssInterSiteSynchronizationMode	1.3.6.1.4.1.4458.1000.1.5.40.18	Integer	RW	Inter-Site Synchronization Mode - independent / synchronized
radwllMilOduAirHssInterSiteSynchronizationAvailability	1.3.6.1.4.1.4458.1000.1.5.40.19	Integer	RO	Inter-Site Synchronization Availability
radwllMilOduAirHssCurrentOpState	1.3.6.1.4.1.4458.1000.1.5.40.2	Integer	RO	Current Hub Site Synchronization operating state.
radwllMilOduAirHssDomainID	1.3.6.1.4.1.4458.1000.1.5.40.21	DisplayString	RW	EHSS domain. Indentify set of CUs with same HSS synchronization
radwllMilOduAirHssSupportedSynchronizationProtocol	1.3.6.1.4.1.4458.1000.1.5.40.22	Integer	RO	Supported Synchronization Protocols
radwllMilOduAirHssDesiredSynchronizationProtocol	1.3.6.1.4.1.4458.1000.1.5.40.23	Integer	RW	Desired Synchronization Protocols
radwllMilOduAirHssDiscover	1.3.6.1.4.1.4458.1000.1.5.40.24	Integer	RW	Initiate Discovery process of ODUs on the network.
radwllMilOduAirHssNumberOfDiscoveredODUs	1.3.6.1.4.1.4458.1000.1.5.40.25	Integer	RO	Number OF Discovered ODUs in network.
radwllMilOduAirHssMasterSlaveCompatibility	1.3.6.1.4.1.4458.1000.1.5.40.27	Integer	RO	EHSM version compatibility. Relevant to Ethernet HSS Clients only.
radwllMilOduAirHssNumberOfAssociatedCU	1.3.6.1.4.1.4458.1000.1.5.40.28	Integer	RO	Number of associated Ethernet HSS Clients. Relevant to Ethernet HSS Masters only
radwllMilOduAirHssSyncStatus	1.3.6.1.4.1.4458.1000.1.5.40.3	Integer	RO	Hub Site Synchronization sync status.
radwllMilOduAirHssSyncStatusEth	1.3.6.1.4.1.4458.1000.1.5.40.30	Integer	RO	Ethernet HSS Client Synchronization Level
radwllMilOduAirHssEthVLANTag	1.3.6.1.4.1.4458.1000.1.5.40.31	Integer	RW	Ethernet HSS VLan Tag: The least significate decimal digit is the VLan Priority(0-6) and the rest of the digits represents VLan ID (2-4094)
radwllMilOduAirHssHSMIPAddress	1.3.6.1.4.1.4458.1000.1.5.40.32	IPAddress	RO	HSMs IP address. Relevant for HSC synchronized over Ethernet.
radwllMilOduAirHssDelayToHSM	1.3.6.1.4.1.4458.1000.1.5.40.33	Integer	RO	Delay in microseconds to HSM. Relevant for HSC synchronized over Ethernet.
radwllMilOduAirHssSyncAcquisitionSeconds	1.3.6.1.4.1.4458.1000.1.5.40.34	Integer	RW	Accumulated quantity of seconds in clock acquisition while connected to current HSM
radwllMilOduAirHssHSMIPv6Address	1.3.6.1.4.1.4458.1000.1.5.40.35	DisplayString	RO	HSMs IPv6 address. Relevant for HSC synchronized over Ethernet.
radwllMilOduAirHssTcMode		Integer	RW	TC Mode
radwllMilOduAirHssExtPulseStatus	1.3.6.1.4.1.4458.1000.1.5.40.4	Integer	RO	Hub Site Synchronization external pulse detection status. In GSS mode: if generating then 1PSP is auto generated by the GSS Unit. if generatingAndDetecting then 1PSP is generated by GPS satellites signal.
radwllMilOduAirHssExtPulseType	1.3.6.1.4.1.4458.1000.1.5.40.5	Integer	RO	Hub Site Synchronization external pulse type.
radwllMilOduAirHssDesiredExtPulseType	1.3.6.1.4.1.4458.1000.1.5.40.6	Integer	RW	Hub Site Synchronization required external pulse type. Valid values for read write: {typeA(2) typeB(3) typeC(4) typeD(5) typeE(6) typeF(7)}. Valid value for read only: {notApplicable(1)}.

Table 2. BS Private MIB Parameters (Sheet 9 of 46)

Name	OID	Type	Access	Description
radwllMilOduAirHssRfpIndex	1.3.6.1.4.1.4458.1000.1.5.40.7.1.1	Integer	RO	ODU RFP Table index. The index represent the Radio Frame Pattern: typeA(2) typeB(3) typeC(4) typeD(5) typeE(6) typeF(7).
radwllMilOduAirHssRfpEthChannelBW80MHz	1.3.6.1.4.1.4458.1000.1.5.40.7.1.10	Integer	RO	Represents the compatibility of Ethernet service under Channel BW of 80MHz in the specific Radio Frame Pattern.
radwllMilOduAirHssRfpEthChannelBW7MHz	1.3.6.1.4.1.4458.1000.1.5.40.7.1.11	Integer	RO	Represents the compatibility of Ethernet service under Channel BW of 7MHz in the specific Radio Frame Pattern.
radwllMilOduAirHssRfpEthChannelBW14MHz	1.3.6.1.4.1.4458.1000.1.5.40.7.1.12	Integer	RO	Represents the compatibility of Ethernet service under Channel BW of 14MHz in the specific Radio Frame Pattern.
radwllMilOduAirHssRfpEthChannelBW5MHz	1.3.6.1.4.1.4458.1000.1.5.40.7.1.2	Integer	RO	Represents the compatibility of Ethernet service under Channel BW of 5MHz in the specific Radio Frame Pattern.
radwllMilOduAirHssRfpEthChannelBW10MHz	1.3.6.1.4.1.4458.1000.1.5.40.7.1.4	Integer	RO	Represents the compatibility of Ethernet service under Channel BW of 10MHz in the specific Radio Frame Pattern.
radwllMilOduAirHssRfpEthChannelBW20MHz	1.3.6.1.4.1.4458.1000.1.5.40.7.1.6	Integer	RO	Represents the compatibility of Ethernet service under Channel BW of 20MHz in the specific Radio Frame Pattern.
radwllMilOduAirHssRfpEthChannelBW40MHz	1.3.6.1.4.1.4458.1000.1.5.40.7.1.8	Integer	RO	Represents the compatibility of Ethernet service under Channel BW of 40MHz in the specific Radio Frame Pattern.
radwllMilOduAirHssRfpStr	1.3.6.1.4.1.4458.1000.1.5.40.8	DisplayString	RO	Hub Site Synchronization supported patterns
radwllMilOduAirHssHsmID	1.3.6.1.4.1.4458.1000.1.5.40.9	Integer	RO	A unique ID which is common to the HSM and all its collocated ODUs
radwllMilOduAirLockRemote	1.3.6.1.4.1.4458.1000.1.5.41	Integer	RW	This parameter enables locking the link with a specific ODU. The following values can be set: Unlock (default) - The ODU is not locked on a specific remote ODU. Unlock can only be performed when the link is not connected. Lock - The ODU is locked on a specific remote ODU. Lock can only be performed when the link is active.
radwllMilOduAirAntennaGain	1.3.6.1.4.1.4458.1000.1.5.42	Integer	RW	Current Antenna Gain in 0.1 dBi resolution. User defined value for external antenna. Legal range: MinAntennaGain< AntennaGain< MaxAntennaGain.
radwllMilOduAirFeederLoss	1.3.6.1.4.1.4458.1000.1.5.43	Integer	RW	Current Feeder Loss in 0.1 dBm resolution. User defined value for external antenna.
radwllMilOduAirMaxAntennaGain	1.3.6.1.4.1.4458.1000.1.5.44	Integer	RO	Maximum allowed Antenna Gain in 0.1 dBi resolution.
radwllMilOduAirMinAntennaGain	1.3.6.1.4.1.4458.1000.1.5.45	Integer	RO	Minimum allowed Antenna Gain in 0.1 dBi resolution.
radwllMilOduAirMaxEIRP	1.3.6.1.4.1.4458.1000.1.5.46	Integer	RO	Maximum EIRP value as defined by regulation in 0.1 dBm resolution.
radwllMilOduAirAntennaGainConfigSupport	1.3.6.1.4.1.4458.1000.1.5.47	Integer	RO	Antenna Gain Configurability options are product specific: supported not supported.

Table 2. BS Private MIB Parameters (Sheet 10 of 46)

Name	OID	Type	Access	Description
radwllMilOduAirAntennaType	1.3.6.1.4.1.4458.1000.1.5.48	Integer	RW	External Antenna Type: Monopolar or Bipolar.
radwllMilOduAirRssBalance	1.3.6.1.4.1.4458.1000.1.5.49	Integer	RO	RSS balance. Relation between RSS in radio 1 and RSS in radio 2. -2 : Radio 2 RSS is much stronger than Radio 1 RSS. -1 : Radio 2 RSS is stronger than Radio 1 RSS. -0 : Radio 2 RSS is equal to Radio 1 RSS. 1 : Radio 1 RSS is stronger than Radio 2 RSS. 2 : Radio 1 RSS is much stronger than Radio 2 RSS.
radwllMilOduAirSesState	1.3.6.1.4.1.4458.1000.1.5.5	Integer	RO	Current Link State. The value is active (3) during normal operation.
radwllMilOduAirTotalTxPower	1.3.6.1.4.1.4458.1000.1.5.50	Integer	RO	Total Transmit Power in dBm. This is a nominal value While the actual transmit power includes additional attenuation.
radwllMilOduAirInstallFreqAndCBW	1.3.6.1.4.1.4458.1000.1.5.51	DisplayString	RW	Installation frequency Channel BW. Relevant in point to point systems.
radwllMilOduAirComboSubBandIndex	1.3.6.1.4.1.4458.1000.1.5.53.1.1.1	Integer	RO	ODU Multi-band sub bands table index.
radwllMilOduAirComboSubBandChannelBW20AdminState	1.3.6.1.4.1.4458.1000.1.5.53.1.1.10	DisplayString	RO	Reflects the CBW 20MHz admin state vector.
radwllMilOduAirComboSubBandChannelBW40AdminState	1.3.6.1.4.1.4458.1000.1.5.53.1.1.11	DisplayString	RO	Reflects the CBW 40MHz admin state vector.
radwllMilOduAirComboSubBandAllowableChannels	1.3.6.1.4.1.4458.1000.1.5.53.1.1.12	DisplayString	RO	Reflects the allowable channels vector.
radwllMilOduAirComboSubBandChannelBWAvail	1.3.6.1.4.1.4458.1000.1.5.53.1.1.13	DisplayString	RO	Reflects the available CBWs vector.
radwllMilOduAirComboSubBandChannelBandwidth	1.3.6.1.4.1.4458.1000.1.5.53.1.1.14	Integer	RO	Reflects the sub-band default channel bandwidth.
radwllMilOduAirComboSubBandMinFreq	1.3.6.1.4.1.4458.1000.1.5.53.1.1.15	Integer	RO	Reflects the sub-band default minimal frequency.
radwllMilOduAirComboSubBandMaxFreq	1.3.6.1.4.1.4458.1000.1.5.53.1.1.16	Integer	RO	Reflects the sub-band default maximal frequency.
radwllMilOduAirComboSubBandFrequencyResolution	1.3.6.1.4.1.4458.1000.1.5.53.1.1.17	Integer	RO	Reflects the sub-band frequency resolution.
radwllMilOduAirComboSubBandDefaultChannelList	1.3.6.1.4.1.4458.1000.1.5.53.1.1.18	DisplayString	RO	Reflects the default channel list vector.
radwllMilOduAirComboSubBandId	1.3.6.1.4.1.4458.1000.1.5.53.1.1.2	DisplayString	RO	Represents the Multi-band sub band ID.
radwllMilOduAirComboSubBandChannelBW80AdminState	1.3.6.1.4.1.4458.1000.1.5.53.1.1.20	DisplayString	RO	Reflects the CBW 80MHz admin state vector.
radwllMilOduAirComboSubBandChannelBW7AdminState	1.3.6.1.4.1.4458.1000.1.5.53.1.1.21	DisplayString	RO	Reflects the CBW 7MHz admin state vector.
radwllMilOduAirComboSubBandChannelBW14AdminState	1.3.6.1.4.1.4458.1000.1.5.53.1.1.22	DisplayString	RO	Reflects the CBW 80MHz admin state vector.
radwllMilOduAirComboSubBandDescription	1.3.6.1.4.1.4458.1000.1.5.53.1.1.3	DisplayString	RO	Multi-band sub band description.
radwllMilOduAirComboSubBandInstallFreq	1.3.6.1.4.1.4458.1000.1.5.53.1.1.4	Integer	RO	Represents the Multi-band sub band installation frequency in KHz.
radwllMilOduAirComboSubBandAdminState	1.3.6.1.4.1.4458.1000.1.5.53.1.1.5	Integer	RO	Represents the Multi-band sub band administrative state.
radwllMilOduAirComboSubBandInstallationAllowed	1.3.6.1.4.1.4458.1000.1.5.53.1.1.6	Integer	RO	Reflects if the Multi-band sub band allowes installtion.

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Name	OID	Type	Access	Description
radwllMilOduAirComboFrequencyBandId	1.3.6.1.4.1.4458.1000.1.5.53.1.1.7	Integer	RO	Reflects the frequency band Id.
radwllMilOduAirComboSubBandChannelBW5AdminState	1.3.6.1.4.1.4458.1000.1.5.53.1.1.8	DisplayString	RO	Reflects the CBW 5MHz admin state vector.
radwllMilOduAirComboSubBandChannelBW10AdminState	1.3.6.1.4.1.4458.1000.1.5.53.1.1.9	DisplayString	RO	Reflects the CBW 10MHz admin state vector.
radwllMilOduAirComboNumberOfSubBands	1.3.6.1.4.1.4458.1000.1.5.53.2	Integer	RO	Represents the number of Multi-band sub bands.
radwllMilOduAirComboSwitchSubBand	1.3.6.1.4.1.4458.1000.1.5.53.3	DisplayString	RW	Switch sub band operation with a given sub band ID. The get operation retrieves the current sub band ID.
radwllMilOduAirComboCurrentSubBandDesc	1.3.6.1.4.1.4458.1000.1.5.53.4	DisplayString	RO	Current Sub Band description.
radwllMilOduAirComboCurrentFrequencyBandID	1.3.6.1.4.1.4458.1000.1.5.53.5	Integer	RO	Current Frequency Band Id Number.
radwllMilOduAirComboBandsCompressedIndex	1.3.6.1.4.1.4458.1000.1.5.53.6.1.1	Integer	RO	ODU Compressed Bands information table index.
radwllMilOduAirComboBandsCompressed	1.3.6.1.4.1.4458.1000.1.5.53.6.1.2	OctetString	RO	Represents the Compressed Bands information.
radwllMilOduAirInternalMaxRate	1.3.6.1.4.1.4458.1000.1.5.54	Integer	RO	Max Ethernet throughput of the site (in Kpbs).
radwllMilOduAirSpectrumAnalysisOperState	1.3.6.1.4.1.4458.1000.1.5.56.1	Integer	RW	Spectrum Analysis operation state. The configurable values are Spectrum Analysis Stop Start and Restart. Not Supported value indicates that the feature is not supported on the device. Not Supported is not a configurable state.
radwllMilOduAirRxPowerAntennaA	1.3.6.1.4.1.4458.1000.1.5.56.2	Integer	RO	Received Signal Strength in dBm of Antenna A.
radwllMilOduAirRxPowerAntennaB	1.3.6.1.4.1.4458.1000.1.5.56.3	Integer	RO	Received Signal Strength in dBm of Antenna B.
radwllMilOduAirNumberOfSpectrumChannels	1.3.6.1.4.1.4458.1000.1.5.56.4	Integer	RO	Represents the number of Spectrum Channels.
radwllMilOduAirSpectrumChannelIndex	1.3.6.1.4.1.4458.1000.1.5.56.5.1.1	Integer	RO	ODU Spectrum Channel index.
radwllMilOduAirSpectrumChannelMaxNFAntennaB	1.3.6.1.4.1.4458.1000.1.5.56.5.1.10	Integer	RO	Max normalized Noise Floor value in dBm - of Antenna B - over all dwells.
radwllMilOduAirSpectrumChannelCACPerformed	1.3.6.1.4.1.4458.1000.1.5.56.5.1.11	Integer	RO	read-only
radwllMilOduAirSpectrumChannelLastCACTimestamp	1.3.6.1.4.1.4458.1000.1.5.56.5.1.12	TimeTicks	RO	Last CAC performed timestamp in hundredths of a second since device up time. If no CAC has performed on the channel the return value will be 0.
radwllMilOduAirSpectrumChannelRadarDetected	1.3.6.1.4.1.4458.1000.1.5.56.5.1.13	Integer	RO	read-only
radwllMilOduAirSpectrumChannelRadarDetectionTimestamp	1.3.6.1.4.1.4458.1000.1.5.56.5.1.14	TimeTicks	RO	Last Radar Detection timestamp in hundredths of a second since device up time. If no Radar has detected on the channel the return value will be 0.
radwllMilOduAirSpectrumChannelAvailable	1.3.6.1.4.1.4458.1000.1.5.56.5.1.15	Integer	RO	read-only

Table 2. BS Private MIB Parameters (Sheet 12 of 46)

Name	OID	Type	Access	Description
radwllMilOduAirSpectrumChannelMaxBeaconRss	1.3.6.1.4.1.4458.1000.1.5.56.5.1.16	Integer	RO	The max RSS value of a received beacon on the specific channel in dBm.
radwllMilOduAirSpectrumChannelCompressed	1.3.6.1.4.1.4458.1000.1.5.56.5.1.17	OctetString	RO	Compress all the Spectrum data per channel into one variable. Frequency (4 bytes) Scanned (1 byte) Timestamp (4 bytes) Last NF Antenna A (1 byte) Last NF Antenna B (1 byte) Avg NF Antenna A (1 byte) Avg NF Antenna B (1 byte) Max NF Antenna A (1 byte) Max NF Antenna B (1 byte) CAC Performed (1 byte) Last CAC Timestamp (4 bytes) Radar Detected (1 byte) Radar Detected Timestamp (4 bytes) Channel Available (1 byte) Max Beacon RSS (1 byte).
radwllMilOduAirSpectrumChannelFrequency	1.3.6.1.4.1.4458.1000.1.5.56.5.1.2	Integer	RO	ODU Spectrum Channel frequency in MHz.
radwllMilOduAirSpectrumChannelScanned	1.3.6.1.4.1.4458.1000.1.5.56.5.1.3	Integer	RO	read-only
radwllMilOduAirSpectrumChannelScanningTimestamp	1.3.6.1.4.1.4458.1000.1.5.56.5.1.4	TimeTicks	RO	Channel last scan timestamp in hundredths of a second since device up time. If the channel was not scanned than the return value will be 0.
radwllMilOduAirSpectrumChannelLastNFAntennaA	1.3.6.1.4.1.4458.1000.1.5.56.5.1.5	Integer	RO	Normalized Noise Floor value in dBm - of Antenna A - (including 2 neighbor frequencies).
radwllMilOduAirSpectrumChannelLastNFAntennaB	1.3.6.1.4.1.4458.1000.1.5.56.5.1.6	Integer	RO	Normalized Noise Floor value in dBm - of Antenna B - (including 2 neighbor frequencies).
radwllMilOduAirSpectrumChannelAverageNFAntennaA	1.3.6.1.4.1.4458.1000.1.5.56.5.1.7	Integer	RO	Average normalized Noise Floor value in dBm - of Antenna A - over all dwells.
radwllMilOduAirSpectrumChannelAverageNFAntennaB	1.3.6.1.4.1.4458.1000.1.5.56.5.1.8	Integer	RO	Average normalized Noise Floor value in dBm - of Antenna B - over all dwells.
radwllMilOduAirSpectrumChannelMaxNFAntennaA	1.3.6.1.4.1.4458.1000.1.5.56.5.1.9	Integer	RO	Max normalized Noise Floor value in dBm - of Antenna A - over all dwells.
radwllMilOduAirChipMinMaxFreq	1.3.6.1.4.1.4458.1000.1.5.56.6	DisplayString	RO	The minimum and maximum frequencies in MHz which the chip supports.
radwllMilOduAirAntConfAndRatesStatus	1.3.6.1.4.1.4458.1000.1.5.57	Integer	RO	Description: Antenna configuration and Rates status (1 = Single antenna with single data stream 2 = Dual antenna with single data stream 3 = Dual antenna with dual data stream).
radwllMilOduAirDualAntTxMode	1.3.6.1.4.1.4458.1000.1.5.58	Integer	RW	Description: Transmission type when using Dual radios (MIMO or AdvancedDiversity using one stream of data).
radwllMilOduAirTxOperationMode	1.3.6.1.4.1.4458.1000.1.5.59	Integer	RW	This parameter controls the Operation mode of frames sent over the air. The Operation mode is either normal (1) for regular transmission where frame size is determined by the traffic or throughput test (2) when the user requests an actual over the air throughput estimation using full frames. The latter lasts no more than a predetermined interval (default 30 sec).

Table 2. BS Private MIB Parameters (Sheet 13 of 46)

Name	OID	Type	Access	Description
radwllMilOduAirMstrSlv	1.3.6.1.4.1.4458.1000.1.5.6	Integer	RO	This parameter indicates if the device was automatically selected into the radio link master or slave. The value is undefined if there is no link. The value is relevant only for point to point systems.
radwllMilOduAirDesiredNetMasterTxRatio	1.3.6.1.4.1.4458.1000.1.5.60.1	Integer	RW	This parameter is reserved to the element manager provided with the product.
radwllMilOduAirCurrentNetMasterTxRatio	1.3.6.1.4.1.4458.1000.1.5.60.2	Integer	RO	Represents the actual Net Master Tx RAtio.
radwllMilOduAirMinUsableMasterTxRatio	1.3.6.1.4.1.4458.1000.1.5.60.3	Integer	RO	Represents the minimal value the user can configure for Desired net mAster Tx Ratio.
radwllMilOduAirMaxUsableMasterTxRatio	1.3.6.1.4.1.4458.1000.1.5.60.4	Integer	RO	Represents the maximal value the user can configure for Desired net mAster Tx Ratio.
radwllMilOduAirAccumulatedUAS	1.3.6.1.4.1.4458.1000.1.5.61	Integer	RO	Accumulates the Unavailable seconds of the Air Interface. Relevant for point to point systems.
radwllMilOduAirDistStr	1.3.6.1.4.1.4458.1000.1.5.62	DisplayString	RO	Possibilities of the link according to RFP and CBW
radwllMilOduAirChannelsDefaultFreqStr	1.3.6.1.4.1.4458.1000.1.5.63	DisplayString	RO	A string representing the channels available. Each character represents one frequency when '1' means its available and '0' means its not.
radwllMilOduAirAntConnectionType	1.3.6.1.4.1.4458.1000.1.5.64	Integer	RW	Antenna connection type (External(1) Integrated(2) Embedded_External(3) Embedded_Integrated(4) Integrated_BSA(5)).
radwllMilOduAirAllowableChannelsStr	1.3.6.1.4.1.4458.1000.1.5.65	DisplayString	RW	A string representing the allowable channels. Each character represents one channel when '1' means its available and '0' means its not.
radwllMilOduAirGeoLocation	1.3.6.1.4.1.4458.1000.1.5.69	DisplayString	RW	Geographic device location in format: latitude longitude.
radwllMilOduAirAggregateCapacity	1.3.6.1.4.1.4458.1000.1.5.70	Integer	RO	Aggregate Capacity of the ODU in Mbps.
radwllMilOduAirCurrentManualAngle	1.3.6.1.4.1.4458.1000.1.5.72	Integer	RO	Absolute (manual) angle (Deg.) of the unit.
radwllMilOduAirCurrentManualElevAngle	1.3.6.1.4.1.4458.1000.1.5.73	Integer	RO	Absolute Elevation angle (Deg.) of the unit.
radwllMilOduAirAntennaTemperatureC	1.3.6.1.4.1.4458.1000.1.5.74	Integer	RO	Antenna Temperature (C)
radwllMilOduAirGPSAntennaType	1.3.6.1.4.1.4458.1000.1.5.75	Integer	RW	GPS Antenna type.
radwllMilOduAirResync	1.3.6.1.4.1.4458.1000.1.5.8	Integer	RW	Setting this parameter to 1 will cause the link to restart the synchronization process.
radwllMilOduAirRxPower	1.3.6.1.4.1.4458.1000.1.5.9.1	Integer	RO	Received Signal Strength in dBm. Relevant only for point to point systems.
radwllMilOduAirTotalFrames	1.3.6.1.4.1.4458.1000.1.5.9.2	Counter	RO	Total number of radio frames.

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Name	OID	Type	Access	Description
radwllMilOduAirBadFrames	1.3.6.1.4.1.4458.1000.1.5.9.3	Counter	RO	Total number of received radio frames with CRC error. The value is relevant only for point to point systems .
radwllMilOduAirCurrentRate	1.3.6.1.4.1.4458.1000.1.5.9.4	Integer	RO	Deprecated parameter. Actual rate of the air interface in Mbps. For Channel Bandwidth of 20 10 5 MHz divide the value by 1 2 4 respectively.
radwllMilOduAirCurrentRateIdx	1.3.6.1.4.1.4458.1000.1.5.9.5	Integer	RO	Index of current air rate.
radwllMilOduPerfMonCurrUAS	1.3.6.1.4.1.4458.1000.1.6.1.1.1	Gauge	RO	The current number of Unavailable Seconds starting from the present 15 minutes period.
radwllMilOduPerfMonCurrES	1.3.6.1.4.1.4458.1000.1.6.1.1.2	Gauge	RO	Current number of Errored Seconds starting from the present 15 minutes period.
radwllMilOduPerfMonCurrSES	1.3.6.1.4.1.4458.1000.1.6.1.1.3	Gauge	RO	Current number of Severely Errored Seconds starting from the present 15 minutes period.
radwllMilOduPerfMonCurrBBE	1.3.6.1.4.1.4458.1000.1.6.1.1.4	Gauge	RO	Current number of Background Block Errors starting from the present 15 minutes period.
radwllMilOduPerfMonCurrIntegrity	1.3.6.1.4.1.4458.1000.1.6.1.1.5	Integer	RO	Indicates the integrity of the entry.
radwllMilOduPerfMonCurrCompressed	1.3.6.1.4.1.4458.1000.1.6.1.1.6	OctetString	RO	Holds a compressed string of all data per interface. Compressed Air Interface Structure (size in brackets): UAS (4) ES (4) SES (4) BBE (4) Integrity (1) MinRSL (1) MaxRSL (1) RSLThresh1Exceeded (4) RSLThresh2Exceeded (4) MinTSL (1) MaxTSL (1) TSLThresh1Exceed (4) BBERThresh1Exceed (4) RxMBytes (4) TxMBytes (4) EthCapacityThreshUnder (4) HighTrafficThreshExceed (4) Compressed Etherent ODU interface (size in brackets): UAS (4) ES (4) SES (4) BBE (4) Integrity (1) RxMBytes (4) TxMBytes (4) EthCapacityThreshUnder (4) HighTrafficThreshExceed (4) ActiveSeconds (4)
radwllMilOduPerfMonAirCurrMinRSL	1.3.6.1.4.1.4458.1000.1.6.4.1.1	Integer	RO	Current Min Received Level Reference starting from the present 15 minutes period.
radwllMilOduPerfMonAirCurrMaxRSL	1.3.6.1.4.1.4458.1000.1.6.4.1.2	Integer	RO	Current Max Received Level Reference starting from the present 15 minutes period.
radwllMilOduPerfMonAirCurrRSLThresh1Exceed	1.3.6.1.4.1.4458.1000.1.6.4.1.3	Gauge	RO	Number of seconds Receive Signal Level exceeded the RSL1 threshold in the last 15 minutes.
radwllMilOduPerfMonAirCurrRSLThresh2Exceed	1.3.6.1.4.1.4458.1000.1.6.4.1.4	Gauge	RO	Number of seconds Receive Signal Level exceeded the RSL2 threshold in the last 15 minutes.
radwllMilOduPerfMonAirCurrMinTSL	1.3.6.1.4.1.4458.1000.1.6.4.1.5	Integer	RO	Current Min Transmit Signal Level starting from the present 15 minutes period.

Table 2. BS Private MIB Parameters (Sheet 15 of 46)

Name	OID	Type	Access	Description
radwllMilOduPerfMonAirCurrMaxTSL	1.3.6.1.4.1.4458.1000.1.6.4.1.6	Integer	RO	Current Max Transmit Signal Level starting from the present 15 minutes period.
radwllMilOduPerfMonAirCurrTSLThresh1Exceed	1.3.6.1.4.1.4458.1000.1.6.4.1.7	Gauge	RO	Number of seconds Transmit Signal Level exceeded the TSL1 threshold in the last 15 minutes.
radwllMilOduPerfMonAirCurrBBERThresh1Exceed	1.3.6.1.4.1.4458.1000.1.6.4.1.8	Gauge	RO	Number of seconds Background Block Error Ratio exceeded the BBER1 threshold in the last 15 minutes.
radwllMilOduAdmHostsTable			N/A	Trap destinations table. Each trap destination is defined by an IP address and a UDP port. Up to 10 addresses can be configured.
radwllMilOduAdmHostsEntry			N/A	Trap destinations table entry. INDEX { radwllMilOduAdmHostsIndex }
radwllMilOduAdmWiFiRssiTable			N/A	Table of Wifi Rssi And Mac adress per connected user.
radwllMilOduAdmWiFiRssiAndMacEntry			N/A	Wifi Rssi And Mac adress per connected user table entry. INDEX { radwllMilOduAdmWiFiRssiAndMacIndex }
radwllMilOduSrvRingVlanIdTable			N/A	Ring VLAN IDs table.
radwllMilOduSrvRingVlanIdEntry			N/A	VLAN ID of the internal ring messages. Valid values are 1 to 4094. Initial value is 0 meaning VLAN unaware. INDEX { radwllMilOduSrvRingVlanIdIndex }
radwllMilOduSrvQoSConfTable			N/A	QoS configuration table.
radwllMilOduSrvQoSConfEntry			N/A	QoS configuration table. INDEX { radwllMilOduSrvQoSConfIndex }
radwllMilOduEthernetIfTable			N/A	ODU Ethernet Interface table.
radwllMilOduEthernetIfEntry			N/A	ODU Ethernet Interface table entry. INDEX { radwllMilOduEthernetIfIndex }
radwllMilOduBridgeBasePortTable			N/A	ODU Bridge Ports table.
radwllMilOduBridgeBasePortEntry			N/A	ODU Bridge Ports table entry. INDEX { radwllMilOduBridgeBasePortIndex }
radwllMilOduBridgeTpPortTable			N/A	ODU Transparent Bridge Ports table.
radwllMilOduBridgeTpPortEntry			N/A	ODU Transparent Bridge Ports table entry. INDEX { radwllMilOduBridgeTpPortIndex }
radwllMilOduAirChannelsTable			N/A	Table of channels used by automatic channels selection (ACS).
radwllMilOduAirChannelsEntry			N/A	ACS channels table entry. INDEX { radwllMilOduAirChannelsIndex }
radwllMilOduAirMaxTxPowerTable			N/A	Table of Maximum transmit power per air rate in dBm.
radwllMilOduAirMaxTxPowerEntry			N/A	Maximum Transmit power table entry. INDEX { radwllMilOduAirMaxTxPowerIndex }
radwllMilOduAirChannelBWTable			N/A	Channel Bandwidths table.
radwllMilOduAirChannelBWEntry			N/A	Channel Bandwidth table entry. INDEX { radwllMilOduAirChannelBWIndex }
radwllMilOduAirRatesTable			N/A	Air Rate indexes table for current channel bandwidth.

Table 2. BS Private MIB Parameters (Sheet 16 of 46)

Name	OID	Type	Access	Description
radwllMilOduAirRatesEntry			N/A	Air Rate indexes table entry. INDEX { radwllMilOduAirRatesIndex }
radwllMilOduAirHssRfpTable			N/A	ODU Radio Frame Patterns (RFP) Table.
radwllMilOduAirHssRfpEntry			N/A	ODU RFP Table entry. INDEX { radwllMilOduAirHssRfpIndex }
radwllMilOduAirHssDiscoverTable			N/A	HSS Discover Table.
radwllMilOduAirHssDiscoverEntry			N/A	ODU Discover Table entry. INDEX { radwllMilOduAirHssDiscoverIndex }
radwllMilOduAirHssAssociatedCUTable			N/A	Associated Ethernet HSS Clients Table. Releant for Ethernet HSS Masters only.
radwllMilOduAirHssAssociatedCUTableEntry			N/A	Associated Ethernet HSS Clients Table Entry. Releant for Ethernet HSS Masters only. INDEX { radwllMilOduAirHssAssociatedCUIndex }
radwllMilOduAirComboSubBandTable			N/A	ODU Multi-band Sub Bands Table.
radwllMilOduAirComboSubBandEntry			N/A	ODU Multi-band Sub Bands Table entry. INDEX { radwllMilOduAirComboSubBandIndex }
radwllMilOduAirComboBandsCompressedTable			N/A	ODU Compressed Bands information Table.
radwllMilOduAirComboBandsCompressedEntry			N/A	ODU Compressed Bands information Table entry. INDEX { radwllMilOduAirComboBandsCompressedIndex }
radwllMilOduAirSpectrumChannelTable			N/A	ODU Spectrum Analysis Channel Table.
radwllMilOduAirSpectrumChannelTableEntry			N/A	ODU Spectrum Analysis Channel Table entry. INDEX { radwllMilOduAirSpectrumChannelIndex }
radwllMilOduPerfMonCurrTable			N/A	This table defines/keeps the counters of the current 15 min interval.
radwllMilOduPerfMonCurrEntry			N/A	This is an entry in the Current Interval Table. INDEX {ifIndex }
radwllMilOduPerfMonIntervalTable			N/A	This table defines/keeps the counters of the last day (in resolution of 15 min intervals).
radwllMilOduPerfMonIntervalEntry			N/A	This is an entry in the Interval Table. INDEX {ifIndex radwllMilOduPerfMonIntervalIdx }
radwllMilOduPerfMonDayTable			N/A	This table defines/keeps the counters of the last month (in resolution of days).
radwllMilOduPerfMonDayEntry			N/A	This is an entry in the Days Table. INDEX {ifIndex radwllMilOduPerfMonDayIdx }
radwllMilOduPerfMonAirCurrTable			N/A	This table defines/keeps the air counters of the current 15 min interval.
radwllMilOduPerfMonAirCurrEntry			N/A	This is an entry in the Current Interval Table. INDEX {ifIndex }
radwllMilOduPerfMonAirIntervalTable			N/A	This table defines/keeps the air counters of the last day (in resolution of 15 min intervals).
radwllMilOduPerfMonAirIntervalEntry			N/A	This is an entry in the Interval Table. INDEX {ifIndex radwllMilOduPerfMonAirIntervalIdx }

Table 2. BS Private MIB Parameters (Sheet 17 of 46)

Name	OID	Type	Access	Description
radwllMilOduPerfMonAirDayTable			N/A	This table defines/keeps the air counters of the last month (in resolution of days).
radwllMilOduPerfMonAirDayEntry			N/A	This is an entry in the Days Table. INDEX {ifIndex radwllMilOduPerfMonAirDayIdx }
radwllMilOduPerfMonEthCurrTable			N/A	This table defines/keeps the ethernet counters of the current 15 min interval.
radwllMilOduPerfMonEthCurrEntry			N/A	This is an entry in the Current Interval Table. INDEX {ifIndex }
radwllMilOduPerfMonEthIntervalTable			N/A	This table defines/keeps the ethernet counters of the last day (in resolution of 15 min intervals).
radwllMilOduPerfMonEthIntervalEntry			N/A	This is an entry in the Interval Table. INDEX {ifIndex radwllMilOduPerfMonEthIntervalIdx }
radwllMilOduPerfMonEthDayTable			N/A	This table defines/keeps the ethernet counters of the last month (in resolution of days).
radwllMilOduPerfMonEthDayEntry			N/A	This is an entry in the Days Table. INDEX {ifIndex radwllMilOduPerfMonEthDayIdx }
radwllMilOduPerfMonTdmCurrTable			N/A	This table defines/keeps the TDM counters of the current 15 min interval.
radwllMilOduPerfMonTdmCurrEntry			N/A	This is an entry in the Current Interval Table. INDEX {ifIndex }
radwllMilOduPerfMonTdmIntervalTable			N/A	This table defines/keeps the TDM counters of the last day (in resolution of 15 min intervals).
radwllMilOduPerfMonTdmIntervalEntry			N/A	This is an entry in the Interval Table. INDEX {ifIndex radwllMilOduPerfMonTdmIntervalIdx }
radwllMilOduPerfMonTdmDayTable			N/A	This table defines/keeps the TDM counters of the last month (in resolution of days).
radwllMilOduPerfMonTdmDayEntry			N/A	This is an entry in the Days Table. INDEX {ifIndex radwllMilOduPerfMonTdmDayIdx }
radwllMilOduAgnCurrAlarmTable			N/A	This table includes the currently active alarms. When a RAISED trap is sent an alarm entry is added to the table. When a CLEAR trap is sent the entry is removed.
radwllMilOduAgnCurrAlarmEntry			N/A	Entry containing the details of a currently RAISED trap. INDEX { radwllMilOduAgnCurrAlarmCounter }
radwllMilOduAgnLastEventsTable			N/A	This table includes the last events. When a trap is sent an event entry is added to the table.
radwllMilOduAgnLastEventsEntry			N/A	Entry containing the details of last traps. INDEX { radwllMilOduAgnLastEventsIndex }
radwllMilOduAgnUsersTable			N/A	SNMP users table. Each user is defined by name password and profile.
radwllMilOduAgnUsersEntry			N/A	SNMP users table entry. INDEX { radwllMilOduAgnUsersIndex }
radwllMilOduAdmExternAlarmInTable			N/A	This is the External Alarm Inputs table.

Table 2. BS Private MIB Parameters (Sheet 18 of 46)

Name	OID	Type	Access	Description
radwllMilOduAdmExternAlarmInEntry			N/A	Entry containing the elements of a single External Alarm Input. INDEX { radwllMilOduAdmExternAlarmInIndex}
radwllMilIduSrvPossibleServicesTable			N/A	IDU Possible Services table.
radwllMilIduSrvPossibleServicesEntry			N/A	IDU Services table entry. INDEX { radwllMilIduSrvPossibleServicesIndex }
radwllMilIduSrvAvailServicesTable			N/A	ODU Possible TDM Services table.
radwllMilIduSrvAvailServicesEntry			N/A	ODU TDM Services table entry. INDEX { radwllMilIduSrvAvailServicesIndex }
radwllMilIduEthernetIfTable			N/A	IDU Ethernet Interface table.
radwllMilIduEthernetIfEntry			N/A	IDU Ethernet Interface table entry. INDEX { radwllMilIduEthernetIfIndex }
radwllMilIduTdmConfigTable			N/A	IDU TDM Links Configuration table.
radwllMilIduTdmConfigEntry			N/A	IDU TDM Links Configuration table entry. INDEX { radwllMilIduTdmConfigIndex }
radwllMilIduTdmCurrentTable			N/A	IDU TDM Links Statistics table.
radwllMilIduTdmCurrentEntry			N/A	IDU TDM Links Statistics table entry. INDEX { radwllMilIduTdmCurrentIndex }
radwllMilIduTdmBackupTable			N/A	IDU TDM Links Statistics table.
radwllMilIduTdmBackupEntry			N/A	IDU TDM Links Statistics table entry. INDEX { radwllMilIduTdmBackupIndex }
radwllMilHbsAirConfTable			N/A	Holds the table for all registered HSUs in the sector (21 entries).
radwllMilHbsAirConfEntry			N/A	HSUs configuration table entry. INDEX { radwllMilHbsAirConfIndex }
radwllMilHbsAirLinkTable			N/A	Holds the table for all links in the sector.
radwllMilHbsAirLinkEntry			N/A	Link table entry. INDEX { radwllMilHbsAirLinkIndex }
radwllMilHbsAirAtpcTargetRSSPerRateTable			N/A	Table of Atpc Target Rss Per Rate.
radwllMilHbsAirAtpcMaxAllowedRateEntry			N/A	Atpc Target Rss Per Rate table entry. INDEX { radwllMilHbsAirAtpcTargetRSSPerRateIndex }
radwllMilHbsBridgeVlanTable			N/A	Holds the bridge Vlan operations towards all the registered HSUs.
radwllMilHbsBridgeVlanEntry			N/A	HBS bridge Vlan table entry. INDEX { radwllMilHbsBridgeVlanIndex }
radwllMilHbsBridgeMembershipTable			N/A	Holds the bridge membership relations for all the registered HSUs.
radwllMilHbsBridgeMembershipEntry			N/A	HBS bridge membership table entry. INDEX { radwllMilHbsBridgeMembershipIndex }
radwllMilHbsServiceVlanTable			N/A	Holds the Vlan operations towards all the registered HSUs.
radwllMilHbsServiceVlanEntry			N/A	HBS service Vlan table entry. INDEX { radwllMilHbsServiceVlanIndex }
radwllMilHbsServiceQoSTable			N/A	Holds the QoS operations towards all the registered HSUs.
radwllMilHbsServiceQoSEntry			N/A	HBS service QoS table entry. INDEX { radwllMilHbsServiceQoSIndex }

Table 2. BS Private MIB Parameters (Sheet 19 of 46)

Name	OID	Type	Access	Description
radwllMilHbsServiceRadiusServerTable			N/A	Holds the Radius Server configurations
radwllMilHbsServiceRadiusServerEntry			N/A	HBS service Radius server table entry. INDEX { radwllMilHbsServiceRadiusServerIndex }
radwllMilHbsServiceCategoryTable			N/A	Holds the Radius Service Category profiles
radwllMilHbsServiceCategoryEntry			N/A	HBS service Radius Service Category table entry. INDEX { radwllMilHbsServiceCategoryIndex }
radwllMilHbsPerfMonThreshTable			N/A	Holds the performance monitor thresholds towards all the registered HSUs.
radwllMilHbsPerfMonThreshEntry			N/A	HBS performance monitor threshold table entry. INDEX { radwllMilHbsPerfMonThreshIndex }
radwllMilHbsPerfMonAirGenCurrTable			N/A	This table defines/keeps the ethernet counters of the current 15 min interval.
radwllMilHbsPerfMonAirGenCurrEntry			N/A	This is an entry in the Current Interval Table. INDEX {ifIndex }
radwllMilHbsPerfMonAirGenIntervalTable			N/A	This table defines/keeps the ethernet counters of the last day (in resolution of 15 min intervals).
radwllMilHbsPerfMonAirGenIntervalEntry			N/A	This is an entry in the Interval Table. INDEX {ifIndex radwllMilHbsPerfMonAirGenIntervalIdx }
radwllMilHbsPerfMonAirGenDayTable			N/A	This table defines/keeps the ethernet counters of the last month (in resolution of days).
radwllMilHbsPerfMonAirGenDayEntry			N/A	This is an entry in the Days Table. INDEX {ifIndex radwllMilHbsPerfMonAirGenDayIdx }
radwllMilOduAdmPMPSUSupport			RO	Indicates that PMP SU license is activated
radwllMilOduAdmSwChangeMetadata			RO	Software Metadata String
radwllMilOduAdmSwChangeStatus			RO	Software Change Operation status: None (1) In Progress (2) Pending Reset (3) Error (4)
radwllMilOduAdmSwChangeError			RO	Software Change Operation Error String
radwllMilOduAdmRequesterSourceIp			RO	Returns the SNMP request's source IP address
radwllMilOduSrvRingTopologySupported			RO	Ring Topology options are: supported not supported
radwllMilOduSrvRingVlanIdIndex			RO	Index of VLAN ID of the internal ring messages.
radwllMilOduSrvRingEthStatus			RO	Represents the Ethernet service blocking state of a Rings link
radwllMilOduSrvQoSConfIndex			RO	Index of QoS Configuration.
radwllMilOduSrvConfVlanQGroups			RO	Frames classification according to VLAN Priority IDs.
radwllMilOduSrvConfDiffservQGroups			RO	Frames classification according to Diffserv.

Table 2. BS Private MIB Parameters (Sheet 20 of 46)

Name	OID	Type	Access	Description
radwllMilOduSrvQoSMaxRTQuePercent			RO	Maximal percent for RT & NRT queues.
radwllMilOduSrvVlanSupport			RO	ODU Ethernet port VLAN support and configuration availability indication. 1 - ODU VLAN Functionality Not Supported 2 - ODU VLAN Functionality Supported 3 - ODU VLAN Functionality Supported and Available
radwllMilOduBridgeBasePortIndex			RO	ODU Bridge Port Number.
radwllMilOduBridgeBaseIfIndex			RO	IfIndex corresponding to ODU Bridge port.
radwllMilOduAirChainsRxPower			RO	Received Signal Strength of Cpe chains in dBm. Chain 1 RSS: (1 Byte) Chain 2 RSS: (1 Byte) Chain 3 RSS: (1 Byte)
radwllMilOduAirCurrentRateCBW			RO	CBW of current air rate.
radwllMilOduAirCurrentRateGI			RO	GI of current air rate.
radwllMilOduAirChannelsIndex			RO	Channel Index.
radwllMilOduAirChannelsFrequency			RO	Channel frequency in MHz.
radwllMilOduAirChannelsAvail			RO	Channel state. Product specific and cannot be changed by the user. Automatic Channel Selection uses channels that are AirChannelsOperState enabled and AirChannelsAvail enabled. Valid values: disabled (0) enabled (1).
radwllMilOduAirChannelsDefaultFreq			RO	Default channel's availability for all CBWs. The valid values are: forbidden (0) available (1).
radwllMilOduAirRatesIndex			RO	Air Rate index.
radwllMilOduAirRatesAvail			RO	Air Rate availability depending on air interface conditions.
radwllMilOduAirHssRfpTdmChannelBW5MHz			RO	Represents the compatibility of TDM service under Channel BW of 5MHz in the specific Radio Frame Pattern.
radwllMilOduAirHssRfpTdmChannelBW10MHz			RO	Represents the compatibility of TDM service under Channel BW of 10MHz in the specific Radio Frame Pattern.
radwllMilOduAirHssRfpTdmChannelBW20MHz			RO	Represents the compatibility of TDM service under Channel BW of 20MHz in the specific Radio Frame Pattern.
radwllMilOduAirHssRfpTdmChannelBW40MHz			RO	Represents the compatibility of TDM service under Channel BW of 40MHz in the specific Radio Frame Pattern.
radwllMilOduAirHssDiscoverIndex			RO	HSS Discover Table Index.
radwllMilOduAirHssDiscoverODUDescription			RO	Hold ODU HSS status in compress format: Domain IP HSS Role Hss support Enabled HSS protocol Sync Status Location IPv6.
radwllMilOduAirHssAssociatedCUIndex			RO	Associated Ethernet HSS Clients Table Index. Releant for Ethernet HSS Masters only.
radwllMilOduAirHssAssociatedCUDescription			RO	Holds Associated Ethernet HSS Clients Description in compress format: IP Delay Compatibility Ethernet Speed Ethernet Rx rate IPv6

Table 2. BS Private MIB Parameters (Sheet 21 of 46)

Name	OID	Type	Access	Description
radwllMilOduAirAttachedAntennaIndication			RO	Attached Antenna connection type (undefined(1) integrated(2) attached(3)).
radwllMilOduPerfMonIntervalIdx			RO	This table is indexed per interval number. Each interval is of 15 minutes and the oldest is 96.
radwllMilOduPerfMonIntervalUAS			RO	The current number of Unavailable Seconds per interval.
radwllMilOduPerfMonIntervalES			RO	Current number of Errored Seconds per interval.
radwllMilOduPerfMonIntervalSES			RO	Current number of Severely Errored Seconds per interval.
radwllMilOduPerfMonIntervalBBE			RO	Current number of Background Block Errors per interval.
radwllMilOduPerfMonIntervalIntegrity			RO	Indicates the integrity of the entry per interval.
radwllMilOduPerfMonIntervalCompressed			RO	Holds a compressed string of all data per interface. Compressed Air Interface Structure (size in brackets): UAS (4) ES (4) SES (4) BBE (4) Integrity (1) MinRSL (1) MaxRSL (1) RSLThresh1Exceeded (4) RSLThresh2Exceeded (4) MinTSL (1) MaxTSL (1) TSLThresh1Exceed (4) BBERThresh1Exceed (4) RxMBytes (4) TxMBytes (4) EthCapacityThreshUnder (4) HighTrafficThreshExceed (4) Compressed Etherent ODU interface (size in brackets): UAS (4) ES (4) SES (4) BBE (4) Integrity (1) RxMBytes (4) TxMBytes (4) EthCapacityThreshUnder (4) HighTrafficThreshExceed (4) ActiveSeconds (1)
radwllMilOduPerfMonDayIdx			RO	This table is indexed per interval number. Each interval is of 24 hours and the oldest is 30.
radwllMilOduPerfMonDayUAS			RO	The current number of Unavailable Seconds per interval of 24 hours.
radwllMilOduPerfMonDayES			RO	Current number of Errored Seconds per interval of 24 hours.
radwllMilOduPerfMonDaySES			RO	Current number of Severely Errored Seconds per interval of 24 hours.
radwllMilOduPerfMonDayBBE			RO	Current number of Background Block Errors per interval of 24 hours.
radwllMilOduPerfMonDayIntegrity			RO	Indicates the integrity of the entry per interval of 24 hours.

Table 2. BS Private MIB Parameters (Sheet 22 of 46)

Name	OID	Type	Access	Description
radwllMilOduPerfMonDayCompressed			RO	Holds a compressed string of all data per interface. Compressed Air Interface Structure (size in brackets): UAS (4) ES (4) SES (4) BBE (4) Integrity (1) MinRSL (1) MaxRSL (1) RSLThresh1Exceeded (4) RSLThresh2Exceeded (4) MinTSL (1) MaxTSL (1) TSLThresh1Exceed (4) BBERThresh1Exceed (4) RxMBytes (4) TxMBytes (4) EthCapacityThreshUnder (4) HighTrafficThreshExceed (4) Compressed Etherent ODU interface (size in brackets): UAS (4) ES (4) SES (4) BBE (4) Integrity (1) RxMBytes (4) TxMBytes (4) EthCapacityThreshUnder (4) HighTrafficThreshExceed (4) ActiveSeconds (1)
radwllMilOduPerfMonAirIntervalIdx			RO	This table is indexed per interval number. Each interval is of 15 minutes and the oldest is 96.
radwllMilOduPerfMonAirIntervalMinRSL			RO	Current Min Received Level Reference per interval.
radwllMilOduPerfMonAirIntervalMaxRSL			RO	Current Max Received Level Reference per interval.
radwllMilOduPerfMonAirIntervalRSLThresh1Exceed			RO	Number of seconds Receive Signal Level exceeded the RSL1 threshold per interval.
radwllMilOduPerfMonAirIntervalMinTSL			RO	Current Min Transmit Signal Level per interval.
radwllMilOduPerfMonAirIntervalMaxTSL			RO	Current Max Transmit Signal Level per interval.
radwllMilOduPerfMonAirIntervalTSLThresh1Exceed			RO	Number of seconds Transmit Signal Level exceeded the TSL1 threshold per interval.
radwllMilOduPerfMonAirIntervalBBERThresh1Exceed			RO	Number of seconds Background Block Error Ratio exceeded the BBER1 threshold per interval.
radwllMilOduPerfMonAirDayIdx			RO	This table is indexed per Day number. Each Day is of 15 minutes and the oldest is 96.
radwllMilOduPerfMonAirDayMinRSL			RO	Current Min Received Level Reference per Day.
radwllMilOduPerfMonAirDayMaxRSL			RO	Current Max Received Level Reference per Day.
radwllMilOduPerfMonAirDayRSLThresh1Exceed			RO	Number of seconds Receive Signal Level exceeded the RSL1 threshold per Day.
radwllMilOduPerfMonAirDayRSLThresh2Exceed			RO	Number of seconds Receive Signal Level exceeded the RSL2 threshold per Day.
radwllMilOduPerfMonAirDayMinTSL			RO	Current Min Transmit Signal Level per Day.
radwllMilOduPerfMonAirDayMaxTSL			RO	Current Max Transmit Signal Level per Day.
radwllMilOduPerfMonAirDayTSLThresh1Exceed			RO	Number of seconds Transmit Signal Level exceeded the TSL1 threshold per Day.

Table 2. BS Private MIB Parameters (Sheet 23 of 46)

Name	OID	Type	Access	Description
radwllMilOduPerfMonAirDayBBERThresh1Exceed			RO	Number of seconds Background Block Error Ratio exceeded the BBER1 threshold per Day.
radwllMilOduPerfMonEthCurrRxMBytes			RO	Current RX Mega Bytes starting from the present 15 minutes period.
radwllMilOduPerfMonEthCurrTxMBytes			RO	Current Transmit Mega Bytes starting from the present 15 minutes period.
radwllMilOduPerfMonEthCurrEthCapacityThreshUnder			RO	The number of times throughput was below threshold in the present 15 minutes period. Relevant for point to point systems.
radwllMilOduPerfMonEthCurrHighTrafficThreshExceed			RO	The number of times actual traffic was above threshold in the present 15 minutes period.
radwllMilOduPerfMonEthCurrActiveSeconds			RO	The number of seconds in which RPL Ethernet swervice was not blocked in the present 15 minutes period.
radwllMilOduPerfMonEthIntervalIdx			RO	This table is indexed per interval number. Each interval is of 15 minutes and the oldest is 96.
radwllMilOduPerfMonEthIntervalRxMBytes			RO	Current RX Mega Bytes per interval.
radwllMilOduPerfMonEthIntervalTxMBytes			RO	Current Transmit Mega Bytes per interval.
radwllMilOduPerfMonEthIntervalEthCapacityThreshUnder			RO	The number of times throughput was below threshold in the each interval. Relevant for point to point systems.
radwllMilOduPerfMonEthIntervalHighTrafficThreshExceed			RO	The number of times actual traffic was above threshold in the each interval.
radwllMilOduPerfMonEthIntervalActiveSeconds			RO	The number of seconds in which RPL Ethernet service was not blocked in the each interval.
radwllMilOduPerfMonEthDayIdx			RO	This table is indexed per Day number. Each interval is of 15 minutes and the oldest is 96.
radwllMilOduPerfMonEthDayRxMBytes			RO	Current RX Mega Bytes per day.
radwllMilOduPerfMonEthDayTxMBytes			RO	Current Transmit Mega Bytes per day.
radwllMilOduPerfMonEthDayEthCapacityThreshUnder			RO	The number of times throughput was below threshold each day. Relevant for point to point systems.
radwllMilOduPerfMonEthDayHighTrafficThreshExceed			RO	The number of times actual traffic was above threshold each day.
radwllMilOduPerfMonEthDayActiveSeconds			RO	The number of seconds in which RPL Ethernet service was not blocked each day.
radwllMilOduPerfMonTdmCurrActiveSeconds			RO	Parameter indicating whether the TDM service was active. Under TDM backup link the parameter indicates whether the backup link was active.
radwllMilOduPerfMonTdmIntervalIdx			RO	This table is indexed per interval number. Each interval is of 15 minutes and the oldest is 96.

Table 2. BS Private MIB Parameters (Sheet 24 of 46)

Name	OID	Type	Access	Description
radwllMilOduPerfMonTdmIntervalActiveSeconds			RO	Parameter indicating whether the TDM service was active. Under TDM backup link the parameter indicates whether the backup link was active.
radwllMilOduPerfMonTdmDayIdx			RO	This table is indexed per Day number. Each interval is of 15 minutes and the oldest is 96.
radwllMilOduPerfMonTdmDayActiveSeconds			RO	Parameter indicating whether the TDM service was active. Under TDM backup link the parameter indicates whether the backup link was active.
radwllMilOduAgnCurrAlarmLastChange			RO	This counter is initialized to 0 after a device reset and is incremented upon each change in the radwllMilOduAgnCurrAlarmTable (either an addition or removal of an entry).
radwllMilOduAgnCurrAlarmCounter			RO	A running counter of active alarms. The counter is incremented for every new RAISED trap. It is cleared after a device reset.
radwllMilOduAgnCurrAlarmSeverity			RO	Current Alarm severity.
radwllMilOduAgnCurrAlarmId			RO	Unique Alarm Identifier (combines alarm type and interface). The same AlarmId is used for RAISED and CLEARED alarms.
radwllMilOduAgnCurrAlarmIfIndex			RO	Interface Index where the alarm occurred. Alarms that are not associated with a specific interface will have the following value: 65535.
radwllMilOduAgnCurrAlarmUnit			RO	Unit associated with the alarm.
radwllMilOduAgnCurrAlarmTrapID			RO	ID of the raised trap that was sent when this alarm was raised.
radwllMilOduAgnCurrAlarmTimeT			RO	Timestamp of this alarm. This number is in seconds from Midnight January 1st 1970.
radwllMilOduAgnCurrAlarmText			RO	Alarm display text (same as the text in the sent trap).
radwllMilOduAgnLastEventsNumber			RO	This counter indicates the size of the radwllMilOduAgnLastEventsTable
radwllMilOduAgnLastEventsIndex			RO	The index of the table
radwllMilOduAgnLastEventsSeverity			RO	Current Trap severity.
radwllMilOduAgnLastEventsIfIndex			RO	Interface Index where the event occurred. Traps that are not associated with a specific interface will have the following value: 65535.
radwllMilOduAgnLastEventsTimeT			RO	Timestamp of this trap. This number is in seconds from Midnight January 1st 1970.
radwllMilOduAgnLastEventsText			RO	Trap display text (same as the text in the sent trap).
radwllMilOduAgnUsersIndex			RO	SNMP users table index.
radwllMilOduAgnUsersLastAccessTime			RO	SNMP users last access time.
radwllMilIduAdmProductType			RO	IDU configuration description.

Table 2. BS Private MIB Parameters (Sheet 25 of 46)

Name	OID	Type	Access	Description
radwllMilIduAdmHwRev			RO	IDU Hardware Revision.
radwllMilIduAdmSwRev			RO	IDU Software Revision.
radwllMilOduAdmNumOfExternalAlarmIn			RO	Indicates the number of currently available External Alarm Inputs.
radwllMilOduAdmExternAlarmInIndex			RO	This value indicates the index of the External Alarm Input entry.
radwllMilOduAdmExternAlarmInStatus			RO	This value indicates the current status of the External Alarm Input.
radwllMilIduAdmSN			RO	IDU Serial Number
radwllMilIduAdmMountedTrunks			RO	Number of mounted trunks in the IDU
radwllMilIduAdmLicensedTrunks			RO	Number of Licensed Trunks in the IDU
radwllMilIduAdmVlanSupported			RO	Identifies if the local IDU supports VLAN tag/untag
radwllMilIduSrvServices			RO	This parameter is reserved to the Manager application provided with the product.
radwllMilIduSrvActiveTrunks			RO	A bitmap describing the currently open TDM trunks.
radwllMilIduSrvAvailableTrunks			RO	A bitmap describing the number of TDM trunks that can be opened in the current configuration. The values take into account the IDU hardware configuration the air rate and the installation range.
radwllMilIduSrvPossibleServicesIndex			RO	Table index Rate index of the air interface.
radwllMilIduSrvPossibleTdmServices			RO	Deprecated parameter. A bitmap describing the TDM trunks that can be opened in the corresponding Air Rate.
radwllMilIduSrvPossibleEthServices			RO	Deprecated parameter. This parameter describes if the Ethernet Service can be opened in the corresponding Air Rate. The valid values are: disabled (0) enabled (1).
radwllMilIduSrvRemainingRate			RO	Current Ethernet bandwidth in bps per air rate.
radwllMilIduSrvTrunkCost			RO	Cost of the TDM Service in bps.
radwllMilIduSrvAvailServicesIndex			RO	Table index. The index is the bit mask of the TDM service.
radwllMilIduSrvAvailServicesState			RO	Represents the TDM service availability.
radwllMilIduSrvAvailServicesMinRateIdx			RO	Minimum rate index of the air interface which make the service possible.
radwllMilIduSrvAvailServicesMaxRateIdx			RO	Maximum rate index of the air interface which make the service possible.

Table 2. BS Private MIB Parameters (Sheet 26 of 46)

Name	OID	Type	Access	Description
radwllMilIduSrvAvailServicesReason			RO	Information about the TDM Service availability. - Not Applicable if the service is available. The reasons for TDM Service unavailability: - The available throughput isn't sufficient for Service demands; - The IDU HW doesn't support the service; - A Link Password mismatch was detected; - The external pulse type detected is improper for TDM services; - A Software versions mismatch was detected. - A-Symetric TDD Mode Is Obligated.
radwllMilIduSrvEthActive			RO	Represents the Ethernet service activation state.
radwllMilIduSrvEthAvailable			RO	Represents the Ethernet service availability state.
radwllMilIduSrvEthThroughput			RO	Current available Ethernet service throughput in bps.
radwllMilIduSrvAvailableTrunksT1			RO	A bitmap describing the TDM trunks that can be opened under T1 configuration. The values take into account the IDU hardware configuration the air rate and the installation range.
radwllMilIduEthernetIfIndex			RO	If Index corresponding to this Interface.
radwllMilIduEthernetIfAddress			RO	IDU MAC address.
radwllMilIduEthernetNumOfLanPorts			RO	Number of LAN interfaces in the IDU.
radwllMilIduEthernetNumOfSfpPorts			RO	The number of SFP interfaces in the IDU.
radwllMilIduEthernetSfpProperties			RO	SFP venfor properties : Vendor Name PN and Revision.
radwllMilIduEthernetOduInErrors			RO	The number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol.
radwllMilIduTdmTxClockAvailStates			RO	Available states of the TDM Transmit Clock Control each input status is represented by a bit. When the state is available the bit value is 1. When the state is unavailable the bit value is 0. The available states are: bit 2 = Transparent bit 3 = Local Loop Timed bit 4 = Remote Loop Timed bit 5 = Local Internal bit 6 = Remote Internal
radwllMilIduTdmTxClockActualState			RO	Actual state of the TDM Transmit Clock Control.
radwllMilIduTdmMasterClockAvailOptions			RO	Available options of the TDM Master Clock Control each input status is represented by a bit. When the option is available the bit value is 1. When the option is unavailable the bit value is 0. The available options are: bit 2 = Automatic bit 3 = Trunk #1 bit 4 = Trunk #2 bit 5 = Trunk #3 bit 6 = Trunk #4 When no options are available the returned value is: 1
radwllMilIduTdmMasterClockActual			RO	Actual Trunk used for TDM Master Clock.

Table 2. BS Private MIB Parameters (Sheet 27 of 46)

Name	OID	Type	Access	Description
radwllMilIduTdmConfigIndex			RO	Table index.
radwllMilIduTdmIfIndex			RO	Link index in the interface table.
radwllMilIduTdmLineStatus			RO	Line status.
radwllMilIduTdmCurrentIndex			RO	Table index (Same as radwllMilIduTdmLineIndex).
radwllMilIduTdmCurrentBlocks			RO	Number of correct blocks transmitted to the line.
radwllMilIduTdmCurrentDrops			RO	Number of error blocks transmitted to the line.
radwllMilIduTdmCurrentBlocksHigh			RO	High part of the 64 bits counter Current Blocks
radwllMilIduTdmRemoteQual			RO	Estimated average interval between error second events. The valid values are 1-2^31 where a value of -1 is used to indicate an undefined state.
radwllMilIduTdmRemoteQualEval			RO	Estimated average interval between error second events during evaluation process. The valid values are 1-2^31 where a value of -1 is used to indicate an undefined state.
radwllMilIduTdmBackupAvailableLinks			RO	Number of TDM backup trunks.
radwllMilIduTdmBackupIndex			RO	Table index.
radwllMilIduTdmBackupCurrentActiveLink			RO	TDM backup current active link: N/A air link is active or external link is active.
radwllMilIduTdmJitterBufferDefaultSize			RO	TDM Jitter Buffer Default Size. The units are 0.1 x millisecond.
radwllMilIduTdmJitterBufferMinSize			RO	TDM Jitter Buffer Minimum Size. The units are 0.1 x millisecond.
radwllMilIduTdmJitterBufferMaxSize			RO	TDM Jitter Buffer Maximum Size. The units are 0.1 x millisecond.
radwllMilIduTdmLineStatusStr			RO	Line status.
radwllMilIduTdmHotStandbySupport			RO	Indicates if Hot Standby is supported.
radwllMilIduTdmHotStandbyOperationStatus			RO	The Link Actual Status.
radwllMilHbsAirState			RO	Holds the state of the HBS.
radwllMilHbsAirAvailTimeSlots			RO	This parameter holds the number of available time slots (not in use) in the air interface.
radwllMilHbsAirSectorCbwSupportedStr			RO	Represents the channel bandwidth which is supported by the HBS and all connected HSUs.

Table 2. BS Private MIB Parameters (Sheet 28 of 46)

Name	OID	Type	Access	Description
radwllMilHbsAirCompressedMon			RO	Holds HBS monitor data in compressed format: HBS Traffic Monitor In Bytes(4) Out Bytes(4) In Frames(4) Out Frames(4) HBS State (1) HBS Freq (4) Number of Links (2) EC Change Counter (4) Current Ratio (2) Total Air Frames (4) HBS Rx Rate in Kbps (4) HBS Tx Rate in Kbps (4) HBS Rx Rate in Fps (4) HBS Tx Rate in Fps (4) HBS Set Mode (1) HBS LAN 1 Rx Rate in Kbps (4) HBS LAN 1 Tx Rate in Kbps (4) HBS LAN 1 Rx Rate in Fps (4) HBS LAN 1 Tx Rate in Fps (4) HBS LAN 2 Rx Rate in Kbps (4) HBS LAN 2 Tx Rate in Kbps (4) HBS LAN 2 Rx Rate in Fps (4) HBS LAN 2 Tx Rate in Fps (4) SyncE Performance (1) Max Available BE HSUs (1).
radwllMilHbsAirConfChanges			RO	16 characters that represent 16 HSUs. Each time a configuration is been changed increment the relevant character.
radwllMilHbsAirConfIndex			RO	HSUs configuration table index.
radwllMilHbsAirConfHsuType			RO	HSU type (1 = Fixed 2 = Stationary 3 = Mobile 4 = Transport 5 = Mobile_co_channel 6 = Residential 7 = N_Fixed 8 = N_Residential)
radwllMilHbsAirConfMacAddress			RO	HSU MAC Address.
radwllMilHbsAirConfServiceCategory			RO	Indicates Service Category received from Radius server values can be from 1 to 8 0 - undefined
radwllMilHbsAirLinkNumOfLinks			RO	Number of links in the links table.
radwllMilHbsAirLinkIndex			RO	HSUs configuration table index.
radwllMilHbsAirLinkHsuId			RO	HSU ID of specific link (if registered). Unregistered links have -1.
radwllMilHbsAirLinkState			RO	Holds the state of specific link.
radwllMilHbsAirLinkWorkingMode			RO	Indicates the sub-state within the version compatibility.
radwllMilHbsAirLinkSessionId			RO	Holds the Session ID of the link.
radwllMilHbsAirLinkHbsEstTput			RO	Holds the Estimated throughput from the HBS to the HSU.
radwllMilHbsAirLinkHsuEstTput			RO	Holds the Estimated throughput from the HSU to the HBS.
radwllMilHbsAirLinkRange			RO	Holds the range of specific link.
radwllMilHbsAirLinkHbsRss			RO	Holds the RSS of specific link (HBS side).
radwllMilHbsAirLinkHbsRssBal			RO	Holds the RSS Balance of specific link (HBS side). -2 : Radio 2 RSS is much stronger than Radio 1 RSS. -1 : Radio 2 RSS is stronger than Radio 1 RSS. -0 : Radio 2 RSS is equal to Radio 1 RSS. 1 : Radio 1 RSS is stronger than Radio 2 RSS. 2 : Radio 1 RSS is much stronger than Radio 2 RSS.
radwllMilHbsAirLinkHsuRss			RO	Holds the RSS of specific link (HSU side).

Table 2. BS Private MIB Parameters (Sheet 29 of 46)

Name	OID	Type	Access	Description
radwllMilHbsAirLinkHsuRssBal			RO	Holds the RSS Balance of specific link (HSU side). -2 : Radio 2 RSS is much stronger than Radio 1 RSS. -1 : Radio 2 RSS is stronger than Radio 1 RSS. -0 : Radio 2 RSS is equal to Radio 1 RSS. 1 : Radio 1 RSS is stronger than Radio 2 RSS. 2 : Radio 1 RSS is much stronger than Radio 2 RSS.
radwllMilHbsAirLinkHsuSerial			RO	Holds the serial number for specific HSU.
radwllMilHbsAirLinkTxOperMode			RO	Holds the TX operation mode.
radwllMilHbsAirHsuInBytes			RO	Number of frames received in the HSU Lan port.
radwllMilHbsAirHsuOutBytes			RO	Number of frames transmitted from the HSU Lan port.
radwllMilHbsAirHsuInFrames			RO	Number of bytes received in the HSU Lan port.
radwllMilHbsAirHsuOutFrames			RO	Number of bytes transmitted from the HSU Lan port.
radwllMilHbsAirHsuMacAddress			RO	HSU MAC Address.
radwllMilHbsAirMaxTputDown			RO	Max Throughput Downlink.
radwllMilHbsAirMaxTputUp			RO	Max Throughput Uplink.
radwllMilHbsAirLinkCompressedMon			RO	Holds all the link information in compressed binary (Bytes/octets). Fields included (size in bytes): Link State(1) Link Working Mode(1) Session Id(4) HBS Est. Tput(4) HSU Est. Tput(4) HBS Rss(1) HBS Rss Balance(1) HSU Rss(1) HSU Rss Balance(1) Tx Operation Mode(1) HSU In Bytes(4) HSU Out Bytes(4) HSU In Frames(4) HSU Out Frames(4) HSU ID (1 bytes) HSU Rx Rate In Kbps (4) HSU Tx Rate In Kbps (4) HSU Rx Rate In Fps (4) HSU Tx Rate In Fps (4) Peak throughput in the DL direction (4) Peak throughput in the UL direction (4) Number of local changes at HSU(1) Alignment Status(1) HBS Chain 1 Rss(1) HBS Chain 2 Rss(1) HBS Chain 3 Rss(1) HSU Chain 1 Rss(1) HSU Chain 2 Rss(1) HSU Chain 3 Rss(1) HSU Current Rate Index (2 bytes) HSU Current Rate CBW (1 bytes) HSU Current Rate GI (1 bytes) HBS Current Rate Index (2 bytes) HBS Current Rate CBW (1 bytes) HBS Current Rate GI (1 bytes) Bsa Azimuth(2) HSU LAN 1 Rx Rate In Kbps (4) HSU LAN 1 Tx Rate In Kbps (4) HSU LAN 1 Rx Rate In Fps (4) HSU LAN 1 Tx Rate In Fps (4) HSU LAN 2 Rx Rate In Kbps (4) HSU LAN 2 Tx Rate In Kbps (4) HSU LAN 2 Rx Rate In Fps (4) HSU LAN 2 Tx Rate In Fps (4) 1588TC Performance(1) SyncE Performance(1) ATPC status (1) HBS Speed(4) HSU Speed(4) Reserved(8)

Table 2. BS Private MIB Parameters (Sheet 30 of 46)

Name	OID	Type	Access	Description
radwllMilHbsAirLinkCompressedStatic			RO	Holds all the configuration data of this link in compressed format. Helps the NMS to get info regarding new Unregistered links. Fields Included: SessionID (4 bytes) HSU IP address (4 bytes) HSU Name (32 bytes) HSU Location (32 bytes) HSU Serial number (16 bytes) HSU MAC Address (12 bytes) Air Link Range Max Throughput Down (4 bytes) Max Throughput Up. (4 bytes) Cpacity Limit (4 bytes) HSU Antenna type (1 byte) Aggregate Capacity (4 bytes) 1588TC supported (1 byte) SyncE supported (1 byte)
radwllMilHbsAirCpeCapacityLimit			RO	Capacity Limit in Kilo bit per second.
radwllMilHbsAirLinkAntennaType			RO	HSU External Antenna Type: Monopolar or Bipolar.
radwllMilHbsAirHsuRxRateInKbps			RO	HSU Rx Rate in Kbps.
radwllMilHbsAirHsuTxRateInKbps			RO	HSU Tx Rate in Kbps.
radwllMilHbsAirHsuRxRateInFps			RO	HSU Tx Rate in Fps.
radwllMilHbsAirHsuTxRateInFps			RO	HSU Tx Rate in Fps.
radwllMilHbsAirLinkPeakTputDown			RO	Peak throughput in the DL direction (kbps).
radwllMilHbsAirLinkPeakTputUp			RO	Peak throughput in the UL direction (kbps).
radwllMilHbsAirLinkUtilDownSecRelMill			RO	The average time percentage (in thousandths) out of the BTS DL capability that was used for transmitting data to the SU.
radwllMilHbsAirLinkUtilUpSecRelMill			RO	The average time percentage (in thousandths) out of the BTS UL capability that was used for receiving data from the SU.
radwllMilHbsAirLinkUtilDownAllocRelMill			RO	The time percentage (in thousandths) relative to the SU DL allocation that was used for transmitting data to the SU.
radwllMilHbsAirLinkUtilUpAllocRelMill			RO	The time percentage (in thousandths) relative to the SU UL allocation that was used for receiving data from the SU.
radwllMilHbsAirLinkUtilDownTrafficKbps			RO	Average data throughput (Exported in Kbps) transmitted in the DL towards the SU during the last second.
radwllMilHbsAirLinkUtilUpTrafficKbps			RO	Average data throughput (Exported in Kbps) received in the UL from the SU during the last second.
radwllMilHbsAirLinkUtilCompressedMon			RO	One string that holds the 6 Utilization per link values: DownSecRel (2 bytes) UpSecRel (2 bytes) DownAllocRel (4 bytes) UpAllocRel (4 bytes) DownTraffic (4 bytes) UpTraffic (4 bytes).
radwllMilHbsAirLinkBsaAzimuth			RO	Absolute (geographical) azimuth of the HSU (looking from HBS site).
radwllMilHbsAirLink1588TCPerformance			RO	TC performance.

Table 2. BS Private MIB Parameters (Sheet 31 of 46)

Name	OID	Type	Access	Description
radwllMilHbsAirLinkSyncEPerformance			RO	SyncE performance.
radwllMilHbsAirAvailTimeSlotsUp			RO	This parameter holds the number of available UL time slots (not in use) in the air interface.
radwllMilHbsAirDownUtilMill			RO	Sector Air Interface utilization in the Downlink direction (thousandths). Average time percentage out of the entire BTS DL capability that was used for transmitting data to all the SUs.
radwllMilHbsAirUpUtilMill			RO	Sector Air Interface utilization in the Uplink direction (thousandths). The average number of timeslots that were used in the UL (by all the links) out of the entire number of timeslots.
radwllMilHbsAirDownTrafficKbps			RO	Average data throughput (expressed in Kbps) transmitted in the DL towards all the SUs during the last second.
radwllMilHbsAirUpTrafficKbps			RO	Average data throughput (expressed in Kbps) received in the UL from all the SUs during the last second.
radwllMilHbsAirCompressedMonSec			RO	One string that holds the 4 Utilization per Sector values: DownUtil (2 bytes) UpUtil (2 bytes) DownTraffic (4 bytes) UpTraffic (4 bytes).
radwllMilHbsAirMobilityAzTrack			RO	Azimuth tracking for mobility status: 1 = Not applicable 2 = Active 3 = Impossible
radwllMilHbsAirSyncEPerformance			RO	SyncE performance when HBS is not reference clock
radwllMilHbsAirAtpcMaxAllowedRate			RO	Max allowed rate (will be 207 for N products and 209 for AC products)
radwllMilHbsAirAtpcTargetRSSPerRateIndex			RO	Atpc Target Rss Per Rate Index.
radwllMilHbsAirAtpcTargetRSSPerRate			RO	Atpc Target Rss Per Rate value.
radwllMilHbsAirAvailResourcesDL			RO	This parameter holds the number of available DL Resources (not in use) in the air interface.
radwllMilHbsAirAvailResourcesUL			RO	This parameter holds the number of available UL Resources (not in use) in the air interface.
radwllMilHbsAirHbsType			RO	HBSs Service Type Category
radwllMilHbsBridgeVlanIndex			RO	HBS bridge Vlan table index.
radwllMilHbsBridgeMembershipIndex			RO	HBS bridge membership table index.
radwllMilHbsServiceVlanIndex			RO	HBS service Vlan table index.
radwllMilHbsServiceQoSMaxRtQuePct			RO	Maximal percent for RT and NRT queues.
radwllMilHbsServiceQoSIndex			RO	HBS service QoS table index.
radwllMilHbsServiceMobilitySupported			RO	Mobility Support (1 = Not supported 2 = Supported 3 - Transport supported)
radwllMilHbsServiceMaxNumOfHSUs			RO	Holds the maximum number of registered HSUs in the HBS.

Table 2. BS Private MIB Parameters (Sheet 32 of 46)

Name	OID	Type	Access	Description
radwllMilHbsServiceSynchronizationSyncESupportedReferenceClock			RO	List of valid Reference Clk HBS/HSU + Port ID.
radwllMilHbsServiceRadiusServerIndex			RO	Radius Server table index.
radwllMilHbsPerfMonThreshIndex			RO	HBS performance monitor threshold table index.
radwllMilHbsPerfMonAirGenCurrRxMBytes			RO	Current RX Mega Bytes starting from the present 15 minutes period. (Represents the LAN traffic RX direction toward the HSU)
radwllMilHbsPerfMonAirGenCurrTxMBytes			RO	Current Transmit Mega Bytes starting from the present 15 minutes period. (Represents the LAN traffic TX direction from the HSU)
radwllMilHbsPerfMonAirGenCurrEthCapacityThreshUnder			RO	The number of times throughput was below threshold in the present 15 minutes period. Relevant for point to point systems.
radwllMilHbsPerfMonAirGenCurrHighTrafficThreshExceed			RO	The number of times actual traffic was above threshold in the present 15 minutes period.
radwllMilHbsPerfMonAirGenCurrActiveSeconds			RO	The number of seconds in which RPL Ethernet swervice was not blocked in the present 15 minutes period.
radwllMilHbsPerfMonAirGenIntervalIdx			RO	This table is indexed per interval number. Each interval is of 15 minutes and the oldest is 96.
radwllMilHbsPerfMonAirGenIntervalRxMBytes			RO	Current RX Mega Bytes per interval. (Represents the LAN traffic RX direction toward the HSU).
radwllMilHbsPerfMonAirGenIntervalTxMBytes			RO	Current Transmit Mega Bytes per interval. (Represents the LAN traffic TX direction from the HSU)
radwllMilHbsPerfMonAirGenIntervalEthCapacityThreshUnder			RO	The number of times throughput was below threshold in the each interval. Relevant for point to point systems.
radwllMilHbsPerfMonAirGenIntervalHighTrafficThreshExceed			RO	The number of times actual traffic was above threshold in the each interval.
radwllMilHbsPerfMonAirGenIntervalActiveSeconds			RO	The number of seconds in which RPL Ethernet service was not blocked in the each interval.
radwllMilHbsPerfMonAirGenDayIdx			RO	This table is indexed per Day number. Each interval is of 15 minutes and the oldest is 96.
radwllMilHbsPerfMonAirGenDayRxMBytes			RO	Current RX Mega Bytes per day. (Represents the LAN traffic RX direction toward the HSU)
radwllMilHbsPerfMonAirGenDayTxMBytes			RO	Current Transmit Mega Bytes per day. (Represents the LAN traffic TX direction from the HSU)
radwllMilHbsPerfMonAirGenDayEthCapacityThreshUnder			RO	The number of times throughput was below threshold each day. Relevant for point to point systems.

Table 2. BS Private MIB Parameters (Sheet 33 of 46)

Name	OID	Type	Access	Description
radwllMilHbsPerfMonAirGenDayHighTrafficThreshExceed			RO	The number of times actual traffic was above threshold each day.
radwllMilHbsPerfMonAirGenDayActiveSeconds			RO	The number of seconds in which RPL Ethernet service was not blocked each day.
radwllMilHsuAirState			RO	Holds the state of the HSU.
radwllMilHsuAirLinkState			RO	Holds the state of the HSU link.
radwllMilHsuAirHsuId			RO	Holds the HSU ID as sent by the HBS.
radwllMilHsuAirRemoteCompressedMon			RO	Holds all the configuration data of The HBS in compressed format. Fields Included: Rss (1 byte) Rss Balance (1 byte) Est. Tput - DL (4 bytes) In Bytes of the whole sector (4 bytes) Out Bytes of the whole sector (4 bytes) In Frames of the whole sector (4 bytes) Out Frames of the whole sector (4 bytes) Max Throughput DownLink (4 bytes) Max Throughput UpLink (4 bytes) Rx Rate In Kbps of the whole sector (4 bytes) Tx Rate In Kbps of the whole sector (4 bytes) Rx Rate In Fps of the whole sector (4 bytes) Tx Rate In Fps of the whole sector (4 bytes) Peak Throughput in the DL direction in Kbps (4 bytes) Peak Throughput in the UL direction in Kbps (4 bytes) Tx Ratio (2 bytes) Chain 1 Rss (1 byte) Chain 2 Rss (1 byte) Chain 3 Rss (1 byte) HBS Current Rate Index (2 bytes) HBS Current Rate CBW (1 bytes) HBS Current Rate GI (1 bytes) Rx LAN 1 Rate In Kbps of the whole sector (4 bytes) Tx LAN 1 Rate In Kbps of the whole sector (4 bytes) Rx LAN 1 Rate In Fps of the whole sector (4 bytes) Tx LAN 1 Rate In Fps of the whole sector (4 bytes) Rx LAN 2 Rate In Kbps of the whole sector (4 bytes) Tx LAN 2 Rate In Kbps of the whole sector (4 bytes) Rx LAN 2 Rate In Fps of the whole sector (4 bytes) Tx LAN 2 Rate In Fps of the whole sector (4 bytes) SyncE Performance (1 byte) HBS EC Changes Counter (1 byte) DL speed (4 bytes) UL speed (4 bytes) Est. Tput - UL (4 bytes)
radwllMilHsuAirRemoteCompressedStatic			RO	Holds all the configuration data of the HBS in a compressed format. Helps the NMS to get info regarding new Unregistered links. Fields Included: Location (32 bytes) IP address (8 bytes in hexa) Subnet mask (8 bytes in hexa) HBS Antenna type (1 byte) HBS Agent Version (4 bytes) HBS Name (32 bytes)

Table 2. BS Private MIB Parameters (Sheet 34 of 46)

Name	OID	Type	Access	Description
radwllMilHsuAirAlignmentStatus			RO	Antenna Alignment status: -1 N/A (for non BSA products) 1 ISS (scanning for HBS) 2 CSA (Sync to HBS waiting for Evaluation command) 3 Bi-directional link 4 Evaluate 2x2 5 Evaluate 3x3 6 Alignment Finished.
radwllMilHsuAirAlignment3x3Step			RO	Step number out of total steps in Throughput evaluation for 3x3 scenario.
radwllMilHsuAirAlignment3x3TotalSteps			RO	Total steps in Throughput evaluation for 3x3 scenario.
radwllMilHsuAirAlignmentLastReportManualAngle			RO	The angle of the antenna. Used in the alignment process.
radwllMilHsuAirAlignmentLastReportTputUpSector			RO	Expected throughput for the whole sector in the Uplink direction in this angle.
radwllMilHsuAirAlignmentLastReportTputDownSector			RO	Expected throughput for the whole sector in the Downlink direction in this angle.
radwllMilHsuAirAlignmentLastReportMcsIndexUp			RO	MCS index of the link in the uplink direction.
radwllMilHsuAirAlignmentLastReportMcsIndexDown			RO	MCS index of the link in the downlink direction.
radwllMilHsuAirAlignmentLastReportState			RO	State of the Evaluation 1 Finished successfully 2 Partial Evaluation (Timeout Exceeded) 3 Evaluation Aborted (Timeout Exceeded) 4 Evaluation aborted (Unstable Antenna) 5 Evaluation aborted (Sync Lost) 6 Evaluation aborted (External command) 7 Evaluating.
radwllMilHsuAirAlignmentLastReportElectronicAnglesHsu			RO	Electronic angles of 3 chains in the HSU side separated by comma.
radwllMilHsuAirAlignmentLastReportElectronicAnglesHbs			RO	Electronic angles of 3 chains in the HBS side separated by comma.
radwllMilHsuAirAlignmentLastReportRss			RO	RSS on chain 1 2 and 3 (separated by comma)
radwllMilHsuAirCompressedMon			RO	Holds HSU monitor data in compressed format: HSU Rx Rate in Kbps (4) HSU Tx Rate in Kbps (4) HSU Rx Rate in Fps (4) HSU Tx Rate in Fps (4) HSU LAN 1 Rx Rate in Kbps (4) HSU LAN 1 Tx Rate in Kbps (4) HSU LAN 1 Rx Rate in Fps (4) HSU LAN 1 Tx Rate in Fps (4) HSU LAN 2 Rx Rate in Kbps (4) HSU LAN 2 Tx Rate in Kbps (4) HSU LAN 2 Rx Rate in Fps (4) HSU LAN 2 Tx Rate in Fps (4) 1588TC Performance (1) SyncE Performance (1) ATPC status (1) Installation confirmation required (1)
radwllMilHsuEthernetPoETemperature			RO	Holds the temperature (Celsius) of the POE component.
radwllMilHsuEthernetPoEEquConsumption			RO	Holds the consumption of the connected equipment (milliampere).
radwllMilHsuEthernetPoEEquVoltage			RO	Holds the voltage of the connected equipment (Volt).

Table 2. BS Private MIB Parameters (Sheet 35 of 46)

Name	OID	Type	Access	Description
radwllMilHsuAdminInstallationConfirmationRequired			RO	Installation Confirmation required for Radius mode. 1- true 2- false
radwllMilHsuAdminSiteSurveySupport			RO	This value indicates if site survey is supported or not supported.
radwllMilGeneralTrapDescription			RO	Trap's Description. Used for Trap parameters.
radwllMilGeneralTrapSeverity			RO	Trap's Severity. Used for Trap parameters.
radwllMilGeneralEcChangesCounter			RO	This counter is initialized to 0 after a device reset and is incremented upon each element constant write operation via SNMP or Telnet.
radwllMilOduPerfMonAirIntervalRSLThresh2Exceed			RO	Number of seconds Receive Signal Level exceeded the RSL2 threshold ACCESS read-only per interval.
radwllMilIduEthernetGbeSupported			RO	read-only
radwllMilHsuEthernetPoESupported			RO	read-only
radwllMilOduAdmSwChangeCommand			RW	Software Change Commands (string): Validate: 1 Mode Start: 2 Mode Download: 3 Mode URL Upload: 4 Mode URL Clean: 5 [SizeInBytes] Backup: 6 [DateTime] Mode: SW Upgrade(1) Backup/Restore(2)
radwllMilOduSrvRingLinkMode			RW	Mode of the link regarding ring topology.
radwllMilOduSrvRingVlanId			RW	VLAN ID of the internal ring messages. Valid values are 1 to 4094. Initial value is 0 meaning VLAN unaware.
radwllMilOduSrvRingMaxAllowedTimeFromLastRpm			RW	Defines the minimal time (in ms) required for determination of ring failure.
radwllMilOduSrvRingWTR			RW	Defines the minimal time (in ms) required for ring recovery.
radwllMilOduSrvQoSMode			RW	Mode of QoS feature.
radwllMilOduSrvConfQueMir			RW	Desired Private MIR.
radwllMilOduSrvConfQueWeight			RW	QoS queueu's weights in percent.
radwllMilOduSrvQoSVlanQGroupsSetStr			RW	Frames classification according to VLAN IDs string for set.
radwllMilOduSrvQoSDiffservQGroupsSetStr			RW	Frames classification according to Diffserv IDs string for set.
radwllMilOduSrvVlanIngressMode			RW	ODU Ethernet port ingress VLAN mode.
radwllMilOduSrvVlanEgressMode			RW	ODU Ethernet port egress VLAN mode.
radwllMilOduSrvEgressTag			RW	ODU ethernet port egress VLAN tag. Right most digit is Vlan priority (0-7) other digits compose Vlan Id (2-4094)
radwllMilOduSrvEgressProviderTag			RW	ODU ethernet port egress Provider VLAN tag. Right most digit is Vlan priority (0-7) other digits compose Vlan Id (2-4094)
radwllMilOduSrvVlanIngressAllowedVIDs			RW	ODU ethernet port VLAN IDs that will not be filtered on ingress. w|w|w|w|w|w|w|w| (where w = {0-4094} and w != 1)
radwllMilOduSrvVlanDisable			RW	Disable VLAN functionality. The following values can be set: 3 - Disable ODU & IDU VLAN Configurations.

Table 2. BS Private MIB Parameters (Sheet 36 of 46)

Name	OID	Type	Access	Description
radwllMilOduAirChannelsOperState			RW	Channel state. Can be set by the user. Automatic Channel Selection uses channels that are AirChannelsOperState enabled and AirChannelsAvail enabled. A change is effective after link re-synchronization. Valid values: disabled (0) enabled (1). Rewriteable only in Point-To-Point products.
radwllMilOduAirHssSatellitesSatSyncRequired			RW	Satellites Synchronization Is Required
radwllMilOduAirCapacityDirection			RW	Capacity direction of the site.
radwllMilOduAirSpectrumAnalysisTimeout			RW	Spectrum analysis timeout in seconds.
radwllMilOduAirPreferredChannelsStr			RW	A string representing the preferred channels. Each character represents one channel when '1' means its preferred and '0' means its not.
radwllMilOduAirSyncLossThreshold			RW	When the current throughput is below this threshold (in Kbps) sync loss will occur.
radwllMilOduAirALPMDataBufferStr			RW	A string that holds all of the ALPM events data
radwllMilOduPerfMonTxThresh1			RW	When the Transmit power exceeds this threshold a performance monitoring TSL1 counter is incremented.
radwllMilOduPerfMonRxThresh1			RW	When the RX power exceeds this threshold a performance monitoring RSL1 counter is incremented.
radwllMilOduPerfMonRxThresh2			RW	When the RX power exceeds this threshold a performance monitoring RSL2 counter is incremented.
radwllMilOduPerfMonBBERThresh1			RW	When the BBER exceeds this threshold a performance monitoring BBER counter is incremented. The units are 1/10 of a percent.
radwllMilOduPerfMonEthCapacityThreshKbps			RW	When the current throughput is below this threshold the corresponding counter is incremented
radwllMilOduPerfMonHighTrafficThreshKbps			RW	When the current traffic is above this threshold then corresponding counter is incremented.
radwllMilOduAgnGenAddTrapExt			RW	If 'yes' is chosen the ifIndex Unit Severity Time_T and Alarm Id from the radwllMilOduAgnCurrAlarmTable will be bind to the end of each private trap.
radwllMilOduAgnGenSetMode			RW	This parameter is reserved to the element manager provided with the product.
radwllMilOduAgnGenLocalConnectionMode			RW	Local Connection (Broadcast) Configuration Mode. Options are: 1 - SNMP Read-Write 2 - SNMP Read-Only.
radwllMilOduAgnNTPCfgTimeServerIP			RW	IP address of the server from which the current time is loaded.
radwllMilOduAgnNTPCfgTimeOffsetFromUTC			RW	Offset from Coordinated Universal Time (minutes). Possible values: -1440..1440.

Table 2. BS Private MIB Parameters (Sheet 37 of 46)

Name	OID	Type	Access	Description
radwllMilOduAgnRealTimeAndDate			RW	This parameter specifies the real time and date Format 'YYYY-MM-DD HH:MM:SS' (Hexadecimal). A date-time specification: field octets contents range ----- --- --- -------- ----- 1 1-2 year 0..65536 2 3 month 1..12 3 4 day 1..31 4 5 hour 0..23 5 6 minutes 0..59 6 7 seconds 0..60 (use 60 for leap-second) 7 8 deci-seconds 0..9 For example Tuesday May 26 1992 at 1:30:15 PM EDT would be displayed as: 07 c8 05 1a 0d 1e 0f 00 (1992 -5 -26 13:30:15)
radwllMilOduAdmNTPCfgTimeServerIPv6			RW	IPv6 address of the server from which the current time is loaded.
radwllMilOduAgnUsersUserName			RW	SNMP users user names.
radwllMilOduAgnUsersPassword			RW	SNMP users passwords.
radwllMilOduAgnUsersProfile			RW	SNMP users profile (1=Disabled 2=ReadOnly 3=ReadWrite).
radwllMilOduAdmExternAlarmInText			RW	This field describes the External Alarm Input. It is an optional string of no more than 64 characters which will be used in the event being sent as a result of a change in the status of the External Alarm Input. DEFVAL {Alarm Description}
radwllMilOduAdmExternAlarmInAdminState			RW	This value indicates if this External Alarm Input is enabled or disabled.
radwllMilIduAdmIduDetectionMode			RW	The parameter defines whether to send Ethernet frames to detect an IDU. The valid writable values are: userDisabled (3) userEnabled (4). A change requires a reset and is effective after reset.
radwllMilIduAdmVlanEgressMode			RW	VLAN tag/untag egress values
radwllMilIduAdmVlanIngressMode			RW	VLAN tag/untag ingress values
radwllMilIduAdmVlanDefaultPortVIDs			RW	VLAN tag/untag default VLAN ids for each port - Right most digit is Vlan priority (0-6) other digits compose Vlan Id (1-4094)
radwllMilIduAdmVlanLan1UntaggedVIDs			RW	VLAN untagged VIDs for LAN1 port
radwllMilIduAdmVlanLan2UntaggedVIDs			RW	VLAN untagged VIDs for LAN2 port
radwllMilIduAdmVlanSfpUntaggedVIDs			RW	VLAN untagged VIDs for Sfp port
radwllMilIduAdmVlanLan1FilteredVIDs			RW	VLAN filtered VIDs for LAN1 port
radwllMilIduAdmVlanLan2FilteredVIDs			RW	VLAN filtered VIDs for LAN2 port
radwllMilIduAdmVlanSfpFilteredVIDs			RW	VLAN filtered VIDs for Sfp port

Table 2. BS Private MIB Parameters (Sheet 38 of 46)

Name	OID	Type	Access	Description
radwllMilIduAdmPortsConnection			RW	IDU ports connection bitmap. bit 0 - LAN1-LAN2 bit 1 - SFP-LAN1 bit 2 - SFP-LAN2 bit values: 0 - ports are disconnected. 1 - ports are connected.
radwllMilIduAdmVlanMode			RW	Local IDU Vlan Mode.
radwllMilIduAdmVlanMembershipVIDs			RW	VLAN Membership VLAN IDs list.
radwllMilIduAdmVlanMembershipPortsCode			RW	VLAN Membership ports code. Each value represent the relation (bitmap) Between the suitable VID to the IDU ports. bit 0 - LAN1 bit 1 - LAN2 bit 2 - SFP bit value 0 - not member of appropriate VID bit value 1 - member of appropriate VID
radwllMilIduAdmVlanMembershipUntaggedHandle			RW	VLAN Membership Untagged frames handling. The 3 values representing LAN1 LAN2 and SFP accordingly. For each port the optional values are: 1 - Discard 2 - Tag 3 - Leave Unmodified
radwllMilIduAdmVlanMembershipTagUntagged			RW	VLAN Membership Untagged frames tagging. The 3 values representing LAN1 LAN2 and SFP accordingly. The value on each port entry represent the tagging value which is built of: VLAN ID & VLAN Priority.
radwllMilIduSrvDesiredTrunks			RW	Required trunks bitmap. Note that the number of possible trunks that can be configured may vary based on the IDU hardware configuration the selected air interface rate and the range of the installation. The provided Manager application enables the user to select only available configurations. A change is effective immediately if applied to a master unit and the link is in service mode.
radwllMilIduSrvEthMaxInfoRate			RW	Holds the maximum bandwidth (kbps) to be allocated for Ethernet service. Value of zero means that Ethernet service works as best effort. The maximum value is product specific. Refer to the user manual.
radwllMilIduBridgeTpAging			RW	Timeout in seconds for aging. Note that for this parameter to be effective the ODU must be configured to HUB mode. A change is effective immediately.
radwllMilIduTdmTxClockDesiredState			RW	Required state of the TDM Transmit Clock Control. A change is effective after re-activation of the TDM service.
radwllMilIduTdmMasterClockDesired			RW	Required TDM Master Clock. A change is effective after re-activation of the TDM service.
radwllMilIduTdmLineCoding			RW	This parameter applies to T1 trunks only. The parameter controls the line coding. Setting the value to each of the indices applies to all. A change is effective after the next open of the TDM service.

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Name	OID	Type	Access	Description
radwllMilIduTdmLoopbackConfig			RW	Loop back configuration table. Each of the trunks can be set Normal Line loop back or Reverse line loop back. A change is effective immediately.
radwllMilIduTdmCurrentTxClock			RW	TDM Transmit Clock. A change is effective after re-activation of the TDM service.
radwllMilIduTdmSrvEval			RW	Evaluated TDM service bit mask. Setting this parameter to value that is bigger than the activated TDM service bit mask will execute the evaluation process for 30 seconds. Setting this parameter to 0 will stop the evaluation process immediately.
radwllMilIduTdmBackupMode			RW	TDM backup mode: Enable or Disable where the main link is the air link or the external link. Changes will be effective immediatly.
radwllMilIduTdmJitterBufferSize			RW	TDM Jitter Buffer Size. The value must be between the minimum and the maximum TDM Jitter Buffer Size. The units are 0.1 x millisecond.
radwllMilIduTdmJitterBufferSizeEval			RW	TDM Jitter Buffer Size for evaluation. The value must be between the minimum and the maximum TDM Jitter Buffer Size. The units are 0.1 x millisecond.
radwllMilIduTdmType			RW	TDM Type (The value undefined is read-only).
radwllMilIduTdmTypeEval			RW	TDM Type for evaluation.
radwllMilIduTdmDesiredHotStandbyMode			RW	Desired Hot Standby Mode.
radwllMilIduTdmBackupLinkConfiguration			RW	The current configuration of the backup link.
radwllMilIduTdmLineInterfaceConfiguration			RW	TDM Line interface configuration.
radwllMilIduTdmLineImpedanceConfiguration			RW	TDM line impedance configuration (standardT1 - 100Ohm nonStandardT1 - 110Ohm) Applicable only for T1 TDM type.
radwllMilHbsAirOpMode			RW	Holds the operation mode of the HBS.
radwllMilHbsAirConfUpMir			RW	Uplink MIR towards specific HSU in units of kbps.
radwllMilHbsAirConfDownMir			RW	Downlink MIR towards specific HSU in units of kbps.
radwllMilHbsAirConfHsuName			RW	HSU name.
radwllMilHbsAirConfHsuLocation			RW	HSU location.
radwllMilHbsAirConfDualAntTxMode			RW	Transmission type when using Dual Antenna on both link's sides. spatial Multiplexing Diversity (using a single spatial stream) and Auto Selection (OMS control).
radwllMilHbsAirConfNumOfTs			RW	Number of time slot which are allocated to specific HSU.

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Name	OID	Type	Access	Description
radwllMilHbsAirConfGeoLocation			RW	Geographic device location in format: latitude longitude.
radwllMilHbsAirConfHsuLevel			RW	HSU level (1 .. 4)
radwllMilHbsAirConfDesiredRateIndex			RW	The rate index of both sides of the link to this HSU.
radwllMilHbsAirConfNumOfTsUp			RW	Number of UL time slot which are allocated to specific HSU.
radwllMilHbsAirConfLanPortsConnection			RW	Indicates if the connection between LAN 1 and LAN 2 is enabled. 1- Enabled 2- Disabled.
radwllMilHbsAirConfAutoRealignmentConfiguration			RW	Configuration Parameters For Auto Realignment.
radwllMilHbsAirConfBeaconRssSyncLossThreshold			RW	RSS Threshold For Syncloss In Mobile Units
radwllMilHbsAirConfNumOfResourcesDL			RW	Number of DownLink Resources which are allocated to specific HSU.
radwllMilHbsAirConfNumOfResourcesUL			RW	Number of UpLink Resources which are allocated to specific HSU.
radwllMilHbsAirConfResourceType			RW	Resources Allocation Type (AA or BE) to specific HSU.
radwllMilHbsAirConfDelaySensitivity			RW	Delay Sensitivity to specific HSU.
radwllMilHbsAirConfBeaconRssSyncLossInterval			RW	Interval over which the RSS value is below the threshold.
radwllMilHbsAirConfBEPercentage			RW	BE allocation percentage from the total resources (DownLink|UpLink|).
radwllMilHbsAirComboSwitchSectorFreqBandId			RW	Switch Frequency band for the whole sector.
radwllMilHbsAirGeoAzimuth			RW	Geographic sector azimuth in degrees * 10.
radwllMilHbsAirGeoBeamwidth			RW	Geographic sector beamwidth in degrees * 10.
radwllMilHbsAirMaxDistanceMetersMobility			RW	Maximum distance in meters. Used by Mobility links only.
radwllMilHbsAirComboSwitchSectorFreqBandIdStr			RW	Switch Frequency band for the whole sector overriding some of the Combo parameters.
radwllMilHbsAirTimeSlotAllocationBitmap			RW	Time Slots Allocation Bitmap for the entire sector (Hex Value).
radwllMilHbsAirDelayVsTputOpt			RW	Delay vs. Throughput optimization type: 1 = Delay sensitivity 2 = Throughput optimized
radwllMilHbsAirUCBPMinCS			RW	Minimal contention slot length used for UCBP algorithm (in ms.) between 5-20ms.
radwllMilHbsAirUCBPSharingPercentage			RW	Sharing percentage used by UCBP algorithm (15-75)
radwllMilHbsAirSingleHsuMode			RW	Single HSU mode: 1 = Not Applicable 2 = Single HSU 3 = Multiple HSUs
radwllMilHbsAirAtpcEnable			RW	ATPC mode (off static or dynamic) status
radwllMilHbsAirAtpcTargetMCS			RW	targetRate for ATPC operation (100-309)
radwllMilHbsAirMinimalTimeBetweenAutoRealignment			RW	Minimal time in seconds between two Automatic Realignment Processes

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Name	OID	Type	Access	Description
radwllMilHbsBridgeAgingTime			RW	Timeout in seconds for aging.
radwllMilHbsBridgeVlanIngress			RW	HBS bridge Vlan ingress.
radwllMilHbsBridgeVlanEgress			RW	HBS bridge Vlan egress.
radwllMilHbsBridgeVlanFilterIn			RW	HBS bridge Vlan filter in.
radwllMilHbsBridgeVlanFilterOut			RW	HBS bridge Vlan filter out.
radwllMilHbsBridgeVlanDoubleTag			RW	HBS bridge Vlan double tag.
radwllMilHbsBridgeVlanDefaultId			RW	HBS bridge Vlan default id.
radwllMilHbsBridgeMembershipState			RW	HBS bridge membership state bitmap. Each bit represents Blocked/Opened relation (membership) between two HSUs. Blocked=0 (bit) Opened=1 (bit). This object holds the relation to first 32 HSUs.
radwllMilHbsBridgeMembershipState 2nd			RW	HBS bridge membership state bitmap. Each bit represents Blocked/Opened relation (membership) between HSU and LAN/Stack port of the HBS. Blocked=0 (bit) Opened=1 (bit). Only 2 bits are used.
radwllMilHbsBridgeMembershipState 3rd			RW	HBS bridge membership state bitmap. Each bit represents Blocked/Opened relation (membership) between two HSUs. Blocked=0 (bit) Opened=1 (bit). This object holds the relation to last 32 HSUs.
radwllMilHbsBridgeFloodOverloadPro tect			RW	Flood overload protection 1- Enabled 2- Disabled.
radwllMilHbsBridgeEntireRestrictionT able			RW	Byte array that contains entire Restriction table
radwllMilHbsServiceCommandStr			RW	Ability to perform special command in the HBS. Format (string): Operation Index Session Param1 Param2 ....| ParamN The index and SessionID can be uniting to one parameter. On registered HSU it is HSU-ID and on Unregistered it is Session-ID.
radwllMilOduServiceVlanTblTag			RW	The VID to be used when adding TAG or adding Provider
radwllMilOduServiceVlanTblPri			RW	The Vlan priority 0-7 to be used when adding TAG or adding Provider
radwllMilOduServiceVlanTblMajorMo de			RW	The Vlan major mode
radwllMilOduServiceVlanTblEgressMo de			RW	The Vlan mode in the Egress direction
radwllMilOduServiceVlanTblIngressM ode			RW	The Vlan mode in the Ingress direction
radwllMilOduServiceVlanTblEgressFilt er1			RW	VLAN Filter1 VID
radwllMilOduServiceVlanTblEgressFilt er2			RW	VLAN Filter2 VID
radwllMilOduServiceVlanTblEgressFilt er3			RW	VLAN Filter3 VID

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Name	OID	Type	Access	Description
radwllMilOduServiceVlanTblEgressFilter4			RW	VLAN Filter4 VID
radwllMilOduServiceVlanTblUntagFilteredBitmap			RW	Represents (in bitmap) if to Untag a frame after it is filtered (Egress direction) [4 bits represent 4 filters].
radwllMilOduServiceVlanTblProviderTPID			RW	Holds the Provider TPID that is used in all provider operations.
radwllMilOduServiceVlan2TblTag			RW	The VID 2 to be used when adding TAG or adding Provider
radwllMilOduServiceVlan2TblPri			RW	The Vlan 2 priority 0-7 to be used when adding TAG or adding Provider
radwllMilOduServiceVlan2TblMajorMode			RW	The Vlan 2 major mode
radwllMilOduServiceVlan2TblEgressMode			RW	The Vlan 2 mode in the Egress direction
radwllMilOduServiceVlan2TblIngressMode			RW	The Vlan 2 mode in the Ingress direction
radwllMilOduServiceVlan2TblEgressFilter1			RW	VLAN 2 Filter1 VID
radwllMilOduServiceVlan2TblEgressFilter2			RW	VLAN 2 Filter2 VID
radwllMilOduServiceVlan2TblEgressFilter3			RW	VLAN 2 Filter3 VID
radwllMilOduServiceVlan2TblEgressFilter4			RW	VLAN 2 Filter4 VID
radwllMilOduServiceVlan2TblUntagFilteredBitmap			RW	Represents (in bitmap) if to Untag a frame after it is filtered (Egress direction) [4 bits represent 4 filters].
radwllMilOduServiceVlan2TblProviderTPID			RW	Holds the Provider TPID that is used in all provider operations.
radwllMilHbsServiceQoSMode			RW	Quality of Service mode.
radwllMilHbsServiceQoSVlanQGroupsStr			RW	Frame classification according to VLAN priority (all 4 groups separated by comma).
radwllMilHbsServiceQoSDiffservQGroupsStr			RW	Frame classification according to Diffserv (all 4 groups separated by comma).
radwllMilHbsServiceQoSConfAdminState			RW	QoS administrative state. The valid values are: enabled (1) disabled (2).
radwllMilHbsServiceQoSConfUpQueMir			RW	Private MIR for each QoS group of the Uplink direction (4 values separated by comma).
radwllMilHbsServiceQoSConfUpQueWeight			RW	Weight in percent for each QoS group of the Uplink direction (4 values separated by comma).
radwllMilHbsServiceQoSConfDownQueMir			RW	Private MIR for each QoS group of the Downlink direction (4 values separated by comma).
radwllMilHbsServiceQoSConfDownQueWeight			RW	Weight in percent for each QoS group of the Downlink direction (4 values separated by comma).
radwllMilHbsServiceQoSUpTtlMs			RW	TTL in mili second for each QoS group of the Uplink direction (4 values separated by comma).

Table 2. BS Private MIB Parameters (Sheet 43 of 46)

Name	OID	Type	Access	Description
radwllMilHbsServiceQoSDownTtlMs			RW	TTL in mili second for each QoS group of the Downlink direction (4 values separated by comma).
radwllMilHbsServiceQoSUpStrict			RW	Strict QOS Boolean indication for each QOS group of the Uplink direction (4 values separated by comma).
radwllMilHbsServiceQoSDownStrict			RW	Strict QOS Boolean indication for each QOS group of the Downlink direction (4 values separated by comma).
radwllMilHbsServiceQoSConfVoIPSupport			RW	Support VoIP capability per HSU. The valid values are: disabled (1) enabled (2).
radwllMilHbsServiceQoSVoIPState			RW	Enable VoIP in Sector
radwllMilHbsServiceSynchronization1588TCEnable			RW	Enable/Disable PTP TC support. Value Mandatory Disabled is unchangeable.
radwllMilHbsServiceSynchronizationSyncEEnable			RW	Enable/Disable SyncE support. Value Mandatory Disabled is unchangeable.
radwllMilHbsServiceSynchronizationSyncESSMGeneration			RW	Enable/Disable SyncE SSM Generation.
radwllMilHbsServiceSynchronizationSyncEDesiredReferenceClock			RW	Desired Reference Clk HBS/HSU + Port ID.
radwllMilHbsServiceRadiusAuthorizationMode			RW	Enables/Disables Radius Authorization 1 - disable 2- enable
radwllMilHbsServiceRadiusUserName			RW	Radius client user Name
radwllMilHbsServiceRadiusPassword			RW	Radius client password
radwllMilHbsServiceRadiusServerIpAddr			RW	Radius server IP
radwllMilHbsServiceRadiusServerPort			RW	Radius server Port
radwllMilHbsServiceRadiusServerSecret			RW	Radius server Secret
radwllMilHbsServiceRadiusServerConnectivity			RW	Radius server connectivity status
radwllMilHbsServiceRadiusServerNumberOfRetries			RW	Radius server number of retries
radwllMilHbsServiceRadiusServerTimeout			RW	Radius server timeout
radwllMilHbsServiceRadiusHsuNasIdentifierConvention			RW	indicating how the NAS identifier is defined: 1 Device Name 2 Device Location
radwllMilHbsServiceRadiusHsuAccountingMode			RW	Enables/Disables Radius Accounting 1 - enabled 2- disabled
radwllMilHbsServiceCategoryIndex			RW	Service Category Index
radwllMilHbsServiceCategoryName			RW	Service Category Name
radwllMilHbsServiceCategoryULResources			RW	Service Category Uplink Resources
radwllMilHbsServiceCategoryDLResources			RW	Service Category Downlink Resources
radwllMilHbsServiceCategoryULMir			RW	Service Category Uplink MIR
radwllMilHbsServiceCategoryDLMir			RW	Service Category Downlink MIR

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Name	OID	Type	Access	Description
radwllMilHbsServiceCategoryQoSUpQueMir			RW	Private MIR for each QoS group of the Uplink direction (4 values separated by comma).
radwllMilHbsServiceCategoryQoSUpQueWeight			RW	Weight in percent for each QoS group of the Uplink direction (4 values separated by comma).
radwllMilHbsServiceCategoryQoSDownQueMir			RW	Private MIR for each QoS group of the Downlink direction (4 values separated by comma).
radwllMilHbsServiceCategoryQoSDownQueWeight			RW	Weight in percent for each QoS group of the Downlink direction (4 values separated by comma).
radwllMilHbsServiceCategoryQoSUpTtlMs			RW	TTL in mili second for each QoS group of the Uplink direction (4 values separated by comma).
radwllMilHbsServiceCategoryQoSDownTtlMs			RW	TTL in mili second for each QoS group of the Downlink direction (4 values separated by comma).
radwllMilHbsServiceCategoryQoSUpStrict			RW	Strict QOS Boolean indication for each QOS group of the Uplink direction (4 values separated by comma).
radwllMilHbsServiceCategoryQoSDownStrict			RW	Strict QOS Boolean indication for each QOS group of the Downlink direction (4 values separated by comma).
radwllMilHbsServiceCategoryResourceType			RW	Resources Allocation Type (AA or BE) to specific HSU.
radwllMilHbsServiceCategoryDelaySensitivity			RW	Delay Sensitivity to specific HSU.
radwllMilHbsServiceCategoryQoSVoIPState			RW	VoIP supported to specific HSU.
radwllMilHbsServicedotXEnable			RW	Enables/Disables 802.1x Authentication 1 - Mandatory Disabled 2 - disable 3- enable
radwllMilHbsServicedotXRadiusServerTable			N/A	Holds the 802.1x Radius Server configurations
radwllMilHbsServicedotXRadiusServerEntry			N/A	HBS 802.1x Radius Server table entry. INDEX { radwllMilHbsServicedotXRadiusServerIndex }
radwllMilHbsServicedotXRadiusServerIndex			RO	802.1x Radius Server Table index.
radwllMilHbsServicedotXRadiusServerIpAddr			RW	802.1x Radius Server IP
radwllMilHbsServicedotXRadiusServerPort			RW	802.1x Radius Server Port
radwllMilHbsServicedotXRadiusServerSecret			RW	802.1x Radius Server Secret
radwllMilHbsServicedotXRadiusServerConnectivity			RW	802.1x Radius Server Connectivity Status
radwllMilHbsServicedotXReAuthenticatePeriod			RW	Re-Authentication time in secods . 0 for disable
radwllMilHbsServicedotXRadiusAccountingMode			RW	Enables/Disables 802.1x Accounting 1 - enabled 2 - Disabled

Table 2. BS Private MIB Parameters (Sheet 45 of 46)

Name	OID	Type	Access	Description
radwllMilHbsPerfMonTxThresh1			RW	HBS performance monitor transmit power threshold.
radwllMilHbsPerfMonRxThresh1			RW	HBS performance monitor receive power threshold 1.
radwllMilHbsPerfMonRxThresh2			RW	HBS performance monitor receive power threshold 2.
radwllMilHbsPerfMonBBERThresh1			RW	HBS performance monitor BBER threshold.
radwllMilHbsPerfMonEstThroughputThreshKbps			RW	HBS performance monitor estimated throughput Threshold.
radwllMilHbsPerfMonHighTrafficThreshKbps			RW	HBS performance monitor high traffic threshold.
radwllMilHbsAdminInstallationConfirmationRequired			RW	Installation Confirmation required for Radius mode. 1- true 2- false
radwllMilHbsAdminRemoteTrapGenerationMode			RW	HBS generation of remote traps (1=Off 2=On)
radwllMilHbsAdminBackwardsSupport			RW	Backward support indication.
radwllMilHsuAirLocalDeregister			RW	Performs Local HSU Deregistration when - only when the link is off.
radwllMilHsuAirRssThreshSync			RW	HSUs will be sychnornized immediately if RSS is better than threshold.
radwllMilHsuAirAlignmentCmd			RW	1 Start Alignment process and initialize the GIRO 2 Evaluate current manual angle 3 Finish Alignment process 4 Abort Alignment process 5 Evaluate best manual angle 6 Stop Alignment process 7 Start Gyro 8 Stop Gyro
radwllMilHsuAirAlignmentEvalTo			RW	Evaluation timeout.
radwllMilHsuAirReAlignmentOnStartupEnable			RW	Should HSU perform Realignment every syncloss.
radwllMilHsuAirInstallationCBW			RW	Installation channel BW (MHz)
radwllMilHsuAirInstallationFreq			RW	Installation frequency (MHz)
radwllMilHsuAirInstallationUlRss			RW	Installation Uplink RSS (dBm)
radwllMilHsuAirInstallationDlRss			RW	Installation Downlink RSS (dBm)
radwllMilHsuAirInstallationUlTput			RW	Installation Uplink Throughput (Mbps)
radwllMilHsuAirInstallationDlTput			RW	Installation Downlink Throughput (Mbps)
radwllMilHsuAirInstallationBandId			RW	Installation Band ID Max input length must be less than 256 Characters
radwllMilHsuAirInstallationSrvType			RW	Service Type: 1 =CIR 2 = Best Effort
radwllMilHsuAirInstallationGenStr			RW	General purpose string Max input length must be less than 256 Characters
radwllMilHsuAirInstallationDateTime			RW	This parameter specifies the real time and date of the Installation Max input length must be less than 256 Characters
radwllMilHsuServiceCommandStr			RW	Ability to perform special command in the HSU. Format (string): Operation Param1 Param2 ....| ParamN.
radwllMilHsuServiceHsuType			RW	HSU type (1 = Fixed 2 = Stationary 3 = Mobile 4 = Transport 5 = Mobile_co_channel 6 = Residential 7 = N_Fixed 8 = N_Residential)

Table 2. BS Private MIB Parameters (Sheet 46 of 46)

Name	OID	Type	Access	Description
radwllMilHsuServiceHsuLevel			RW	HSU level (1 .. 4)
radwllMilHsuAdminSiteSurveyMode			RW	This value indicates if site survey is activated or not activated.
radwllMilGeneralCookie			RW	Reserved for the Manager application provided with the product used for saving user preferences affecting ODU operation.
radwllMilGeneralTelnetSupport			RW	Enable/Disable Telnet protocol. Mandatory Disabled - No option to enable the feature. Mandatory Enabled - No option to disable the feature.
radwllMilGeneralWISupport			RW	Enable/Disable Web Interface protocol. Mandatory Disabled - No option to enable the feature. Mandatory Enabled - No option to disable the feature.
radwllMilGeneralSNMPSupport			RW	Enable/Disable SNMP protocols
radwllMilGeneralSSHSupport			RW	Enable/Disable SSH protocols

SU

Table 3. SU Private MIB Parameters (Sheet 1 of 46)

Name	OID	Type	Access	Description
radwllMilGeneralCookie			RW	Reserved for the Manager application provided with the product used for saving user preferences affecting ODU operation.
radwllMilGeneralEcChangesCounter			RO	This counter is initialized to 0 after a device reset and is incremented upon each element constant write operation via SNMP or Telnet.
radwllMilGeneralSNMPSupport			RW	Enable/Disable SNMP protocols
radwllMilGeneralSSHSupport			RW	Enable/Disable SSH protocols
radwllMilGeneralTelnetSupport			RW	Enable/Disable Telnet protocol. Mandatory Disabled - No option to enable the feature. Mandatory Enabled - No option to disable the feature.
radwllMilGeneralTrapDescription			RO	Trap's Description. Used for Trap parameters.
radwllMilGeneralTrapSeverity			RO	Trap's Severity. Used for Trap parameters.
radwllMilGeneralWISupport			RW	Enable/Disable Web Interface protocol. Mandatory Disabled - No option to enable the feature. Mandatory Enabled - No option to disable the feature.
radwllMilHbsAdminBackwardsSupport			RW	Backward support indication.
radwllMilHbsAdminInstallationConfirmationRequired			RW	Installation Confirmation required for Radius mode. 1- true 2- false
radwllMilHbsAdminRemoteTrapGenerationMode			RW	HBS generation of remote traps (1=Off 2=On)
radwllMilHbsAirAtpcEnable			RW	ATPC mode (off static or dynamic) status
radwllMilHbsAirAtpcMaxAllowedRate			RO	Max allowed rate (will be 207 for N products and 209 for AC products)
radwllMilHbsAirAtpcMaxAllowedRateEntry			N/A	Atpc Target Rss Per Rate table entry. INDEX { radwllMilHbsAirAtpcTargetRSSPerRateIndex }
radwllMilHbsAirAtpcTargetMCS			RW	targetRate for ATPC operation (100-309)
radwllMilHbsAirAtpcTargetRSSPerRate			RO	Atpc Target Rss Per Rate value.
radwllMilHbsAirAtpcTargetRSSPerRateIndex			RO	Atpc Target Rss Per Rate Index.
radwllMilHbsAirAtpcTargetRSSPerRateTable			N/A	Table of Atpc Target Rss Per Rate.
radwllMilHbsAirAvailResourcesDL			RO	This parameter holds the number of available DL Resources (not in use) in the air interface.
radwllMilHbsAirAvailResourcesUL			RO	This parameter holds the number of available UL Resources (not in use) in the air interface.
radwllMilHbsAirAvailTimeSlots			RO	This parameter holds the number of available time slots (not in use) in the air interface.

Table 3. SU Private MIB Parameters (Sheet 2 of 46)

Name	OID	Type	Access	Description
radwllMilHbsAirAvailTimeSlotsUp			RO	This parameter holds the number of available UL time slots (not in use) in the air interface.
radwllMilHbsAirComboSwitchSectorFreqBandId			RW	Switch Frequency band for the whole sector.
radwllMilHbsAirComboSwitchSectorFreqBandIdStr			RW	Switch Frequency band for the whole sector overriding some of the Combo parameters.
radwllMilHbsAirCompressedMon			RO	Holds HBS monitor data in compressed format: HBS Traffic Monitor In Bytes(4) Out Bytes(4) In Frames(4) Out Frames(4) HBS State (1) HBS Freq (4) Number of Links (2) EC Change Counter (4) Current Ratio (2) Total Air Frames (4) HBS Rx Rate in Kbps (4) HBS Tx Rate in Kbps (4) HBS Rx Rate in Fps (4) HBS Tx Rate in Fps (4) HBS Set Mode (1) HBS LAN 1 Rx Rate in Kbps (4) HBS LAN 1 Tx Rate in Kbps (4) HBS LAN 1 Rx Rate in Fps (4) HBS LAN 1 Tx Rate in Fps (4) HBS LAN 2 Rx Rate in Kbps (4) HBS LAN 2 Tx Rate in Kbps (4) HBS LAN 2 Rx Rate in Fps (4) HBS LAN 2 Tx Rate in Fps (4) SyncE Performance (1) Max Available BE HSUs (1).
radwllMilHbsAirCompressedMonSec			RO	One string that holds the 4 Utilization per Sector values: DownUtil (2 bytes) UpUtil (2 bytes) DownTraffic (4 bytes) UpTraffic (4 bytes).
radwllMilHbsAirConfAutoRealignmentConfiguration			RW	Configuration Parameters For Auto Realignment.
radwllMilHbsAirConfBeaconRssSyncLossInterval			RW	Interval over which the RSS value is below the threshold.
radwllMilHbsAirConfBeaconRssSyncLossThreshold			RW	RSS Threshold For Syncloss In Mobile Units
radwllMilHbsAirConfBEPercentage			RW	BE allocation percentage from the total resources (DownLink|UpLink|).
radwllMilHbsAirConfChanges			RO	16 characters that represent 16 HSUs. Each time a configuration is been changed increment the relevant character.
radwllMilHbsAirConfDelaySensitivity			RW	Delay Sensitivity to specific HSU.
radwllMilHbsAirConfDesiredRateIndex			RW	The rate index of both sides of the link to this HSU.
radwllMilHbsAirConfDownMir			RW	Downlink MIR towards specific HSU in units of kbps.
radwllMilHbsAirConfDualAntTxMode			RW	Transmission type when using Dual Antenna on both link's sides. spatial Multiplexing Diversity (using a single spatial stream) and Auto Selection (OMS control).
radwllMilHbsAirConfEntry			N/A	HSUs configuration table entry. INDEX { radwllMilHbsAirConfIndex }
radwllMilHbsAirConfGeoLocation			RW	Geographic device location in format: latitude longitude.

Table 3. SU Private MIB Parameters (Sheet 3 of 46)

Name	OID	Type	Access	Description
radwllMilHbsAirConfHsuLevel			RW	HSU level (1 .. 4)
radwllMilHbsAirConfHsuLocation			RW	HSU location.
radwllMilHbsAirConfHsuName			RW	HSU name.
radwllMilHbsAirConfHsuType			RO	HSU type (1 = Fixed 2 = Stationary 3 = Mobile 4 = Transport 5 = Mobile_co_channel 6 = Residential 7 = N_Fixed 8 = N_Residential)
radwllMilHbsAirConfIndex			RO	HSUs configuration table index.
radwllMilHbsAirConfLanPortsConnection			RW	Indicates if the connection between LAN 1 and LAN 2 is enabled. 1- Enabled 2- Disabled.
radwllMilHbsAirConfMacAddress			RO	HSU MAC Address.
radwllMilHbsAirConfNumOfResourcesDL			RW	Number of DownLink Resources which are allocated to specific HSU.
radwllMilHbsAirConfNumOfResourcesUL			RW	Number of UpLink Resources which are allocated to specific HSU.
radwllMilHbsAirConfNumOfTs			RW	Number of time slot which are allocated to specific HSU.
radwllMilHbsAirConfNumOfTsUp			RW	Number of UL time slot which are allocated to specific HSU.
radwllMilHbsAirConfResourceType			RW	Resources Allocation Type (AA or BE) to specific HSU.
radwllMilHbsAirConfServiceCategory			RO	Indicates Service Category received from Radius server values can be from 1 to 8 0 - undefined
radwllMilHbsAirConfTable			N/A	Holds the table for all registered HSUs in the sector (21 entries).
radwllMilHbsAirConfUpMir			RW	Uplink MIR towards specific HSU in units of kbps.
radwllMilHbsAirCpeCapacityLimit			RO	Capacity Limit in Kilo bit per second.
radwllMilHbsAirDelayVsTputOpt			RW	Delay vs. Throughput optimization type: 1 = Delay sensitivity 2 = Throughput optimized
radwllMilHbsAirDownTrafficKbps			RO	Average data throughput (expressed in Kbps) transmitted in the DL towards all the SUs during the last second.
radwllMilHbsAirDownUtilMill			RO	Sector Air Interface utilization in the Downlink direction (thousandths). Average time percentage out of the entire BTS DL capability that was used for transmitting data to all the SUs.
radwllMilHbsAirGeoAzimuth			RW	Geographic sector azimuth in degrees * 10.
radwllMilHbsAirGeoBeamwidth			RW	Geographic sector beamwidth in degrees * 10.
radwllMilHbsAirHbsType			RO	HBSs Service Type Category
radwllMilHbsAirHsuInBytes			RO	Number of frames received in the HSU Lan port.
radwllMilHbsAirHsuInFrames			RO	Number of bytes received in the HSU Lan port.
radwllMilHbsAirHsuMacAddress			RO	HSU MAC Address.

Table 3. SU Private MIB Parameters (Sheet 4 of 46)

Name	OID	Type	Access	Description
radwllMilHbsAirHsuOutBytes			RO	Number of frames transmitted from the HSU Lan port.
radwllMilHbsAirHsuOutFrames			RO	Number of bytes transmitted from the HSU Lan port.
radwllMilHbsAirHsuRxRateInFps			RO	HSU Tx Rate in Fps.
radwllMilHbsAirHsuRxRateInKbps			RO	HSU Rx Rate in Kbps.
radwllMilHbsAirHsuTxRateInFps			RO	HSU Tx Rate in Fps.
radwllMilHbsAirHsuTxRateInKbps			RO	HSU Tx Rate in Kbps.
radwllMilHbsAirLink1588TCPerformance			RO	TC performance.
radwllMilHbsAirLinkAntennaType			RO	HSU External Antenna Type: Monopolar or Bipolar.
radwllMilHbsAirLinkBsaAzimuth			RO	Absolute (geographical) azimuth of the HSU (looking from HBS site).
radwllMilHbsAirLinkCompressedMon			RO	Holds all the link information in compressed binary (Bytes/octets). Fields included (size in bytes): Link State(1) Link Working Mode(1) Session Id(4) HBS Est. Tput(4) HSU Est. Tput(4) HBS Rss(1) HBS Rss Balance(1) HSU Rss(1) HSU Rss Balance(1) Tx Operation Mode(1) HSU In Bytes(4) HSU Out Bytes(4) HSU In Frames(4) HSU Out Frames(4) HSU ID (1 bytes) HSU Rx Rate In Kbps (4) HSU Tx Rate In Kbps (4) HSU Rx Rate In Fps (4) HSU Tx Rate In Fps (4) Peak throughput in the DL direction (4) Peak throughput in the UL direction (4) Number of local changes at HSU(1) Alignment Status(1) HBS Chain 1 Rss(1) HBS Chain 2 Rss(1) HBS Chain 3 Rss(1) HSU Chain 1 Rss(1) HSU Chain 2 Rss(1) HSU Chain 3 Rss(1) HSU Current Rate Index (2 bytes) HSU Current Rate CBW (1 bytes) HSU Current Rate GI (1 bytes) HBS Current Rate Index (2 bytes) HBS Current Rate CBW (1 bytes) HBS Current Rate GI (1 bytes) Bsa Azimuth(2) HSU LAN 1 Rx Rate In Kbps (4) HSU LAN 1 Tx Rate In Kbps (4) HSU LAN 1 Rx Rate In Fps (4) HSU LAN 1 Tx Rate In Fps (4) HSU LAN 2 Rx Rate In Kbps (4) HSU LAN 2 Tx Rate In Kbps (4) HSU LAN 2 Rx Rate In Fps (4) HSU LAN 2 Tx Rate In Fps (4) 1588TC Performance(1) SyncE Performance(1) ATPC status (1) HBS Speed(4) HSU Speed(4) Reserved(8)

Table 3. SU Private MIB Parameters (Sheet 5 of 46)

Name	OID	Type	Access	Description
radwllMilHbsAirLinkCompressedStatic			RO	Holds all the configuration data of this link in compressed format. Helps the NMS to get info regarding new Unregistered links. Fields Included: SessionID (4 bytes) HSU IP address (4 bytes) HSU Name (32 bytes) HSU Location (32 bytes) HSU Serial number (16 bytes) HSU MAC Address (12 bytes) Air Link Range Max Throughput Down (4 bytes) Max Throughput Up. (4 bytes) Cpacity Limit (4 bytes) HSU Antenna type (1 byte) Aggregate Capacity (4 bytes) 1588TC supported (1 byte) SyncE supported (1 byte)
radwllMilHbsAirLinkEntry			N/A	Link table entry. INDEX { radwllMilHbsAirLinkIndex }
radwllMilHbsAirLinkHbsEstTput			RO	Holds the Estimated throughput from the HBS to the HSU.
radwllMilHbsAirLinkHbsRss			RO	Holds the RSS of specific link (HBS side).
radwllMilHbsAirLinkHbsRssBal			RO	Holds the RSS Balance of specific link (HBS side). -2 : Radio 2 RSS is much stronger than Radio 1 RSS. -1 : Radio 2 RSS is stronger than Radio 1 RSS. -0 : Radio 2 RSS is equal to Radio 1 RSS. 1 : Radio 1 RSS is stronger than Radio 2 RSS. 2 : Radio 1 RSS is much stronger than Radio 2 RSS.
radwllMilHbsAirLinkHsuEstTput			RO	Holds the Estimated throughput from the HSU to the HBS.
radwllMilHbsAirLinkHsuId			RO	HSU ID of specific link (if registered). Unregistered links have -1.
radwllMilHbsAirLinkHsuRss			RO	Holds the RSS of specific link (HSU side).
radwllMilHbsAirLinkHsuRssBal			RO	Holds the RSS Balance of specific link (HSU side). -2 : Radio 2 RSS is much stronger than Radio 1 RSS. -1 : Radio 2 RSS is stronger than Radio 1 RSS. -0 : Radio 2 RSS is equal to Radio 1 RSS. 1 : Radio 1 RSS is stronger than Radio 2 RSS. 2 : Radio 1 RSS is much stronger than Radio 2 RSS.
radwllMilHbsAirLinkHsuSerial			RO	Holds the serial number for specific HSU.
radwllMilHbsAirLinkIndex			RO	HSUs configuration table index.
radwllMilHbsAirLinkNumOfLinks			RO	Number of links in the links table.
radwllMilHbsAirLinkPeakTputDown			RO	Peak throughput in the DL direction (kbps).
radwllMilHbsAirLinkPeakTputUp			RO	Peak throughput in the UL direction (kbps).
radwllMilHbsAirLinkRange			RO	Holds the range of specific link.
radwllMilHbsAirLinkSessionId			RO	Holds the Session ID of the link.
radwllMilHbsAirLinkState			RO	Holds the state of specific link.
radwllMilHbsAirLinkSyncEPerformance			RO	SyncE performance.
radwllMilHbsAirLinkTable			N/A	Holds the table for all links in the sector.
radwllMilHbsAirLinkTxOperMode			RO	Holds the TX operation mode.

Table 3. SU Private MIB Parameters (Sheet 6 of 46)

Name	OID	Type	Access	Description
radwllMilHbsAirLinkUtilCompressedMon			RO	One string that holds the 6 Utilization per link values: DownSecRel (2 bytes) UpSecRel (2 bytes) DownAllocRel (4 bytes) UpAllocRel (4 bytes) DownTraffic (4 bytes) UpTraffic (4 bytes).
radwllMilHbsAirLinkUtilDownAllocRelMill			RO	The time percentage (in thousandths) relative to the SU DL allocation that was used for transmitting data to the SU.
radwllMilHbsAirLinkUtilDownSecRelMill			RO	The average time percentage (in thousandths) out of the BTS DL capability that was used for transmitting data to the SU.
radwllMilHbsAirLinkUtilDownTrafficKbps			RO	Average data throughput (Exported in Kbps) transmitted in the DL towards the SU during the last second.
radwllMilHbsAirLinkUtilUpAllocRelMill			RO	The time percentage (in thousandths) relative to the SU UL allocation that was used for receiving data from the SU.
radwllMilHbsAirLinkUtilUpSecRelMill			RO	The average time percentage (in thousandths) out of the BTS UL capability that was used for receiving data from the SU.
radwllMilHbsAirLinkUtilUpTrafficKbps			RO	Average data throughput (Exported in Kbps) received in the UL from the SU during the last second.
radwllMilHbsAirLinkWorkingMode			RO	Indicates the sub-state within the version compatibility.
radwllMilHbsAirMaxDistanceMetersMobility			RW	Maximum distance in meters. Used by Mobility links only.
radwllMilHbsAirMaxTputDown			RO	Max Throughput Downlink.
radwllMilHbsAirMaxTputUp			RO	Max Throughput Uplink.
radwllMilHbsAirMinimalTimeBetweenAutoRealignment			RW	Minimal time in seconds between two Automatic Realignment Processes
radwllMilHbsAirMobilityAzTrack			RO	Azimuth tracking for mobility status: 1 = Not applicable 2 = Active 3 = Impossible
radwllMilHbsAirOpMode			RW	Holds the operation mode of the HBS.
radwllMilHbsAirSectorCbwSupportedStr			RO	Represents the channel bandwidth which is supported by the HBS and all connected HSUs.
radwllMilHbsAirSingleHsuMode			RW	Single HSU mode: 1 = Not Applicable 2 = Single HSU 3 = Multiple HSUs
radwllMilHbsAirState			RO	Holds the state of the HBS.
radwllMilHbsAirSyncEPerformance			RO	SyncE performance when HBS is not reference clock
radwllMilHbsAirTimeSlotAllocationBitmap			RW	Time Slots Allocation Bitmap for the entire sector (Hex Value).
radwllMilHbsAirUCBPMinCS			RW	Minimal contention slot length used for UCBP algorithm (in ms.) between 5-20ms.
radwllMilHbsAirUCBPSharingPercentage			RW	Sharing percentage used by UCBP algorithm (15-75)

Table 3. SU Private MIB Parameters (Sheet 7 of 46)

Name	OID	Type	Access	Description
radwllMilHbsAirUpTrafficKbps			RO	Average data throughput (expressed in Kbps) received in the UL from all the SUs during the last second.
radwllMilHbsAirUpUtilMill			RO	Sector Air Interface utilization in the Uplink direction (thousandths). The average number of timeslots that were used in the UL (by all the links) out of the entire number of timeslots.
radwllMilHbsBridgeAgingTime			RW	Timeout in seconds for aging.
radwllMilHbsBridgeEntireRestrictionTable			RW	Byte array that contains entire Restriction table
radwllMilHbsBridgeFloodOverloadProtect			RW	Flood overload protection 1- Enabled 2- Disabled.
radwllMilHbsBridgeMembershipEntry			N/A	HBS bridge membership table entry. INDEX { radwllMilHbsBridgeMembershipIndex }
radwllMilHbsBridgeMembershipIndex			RO	HBS bridge membership table index.
radwllMilHbsBridgeMembershipState			RW	HBS bridge membership state bitmap. Each bit represents Blocked/Opened relation (membership) between two HSUs. Blocked=0 (bit) Opened=1 (bit). This object holds the relation to first 32 HSUs.
radwllMilHbsBridgeMembershipState2nd			RW	HBS bridge membership state bitmap. Each bit represents Blocked/Opened relation (membership) between HSU and LAN/Stack port of the HBS. Blocked=0 (bit) Opened=1 (bit). Only 2 bits are used.
radwllMilHbsBridgeMembershipState3rd			RW	HBS bridge membership state bitmap. Each bit represents Blocked/Opened relation (membership) between two HSUs. Blocked=0 (bit) Opened=1 (bit). This object holds the relation to last 32 HSUs.
radwllMilHbsBridgeMembershipTable			N/A	Holds the bridge membership relations for all the registered HSUs.
radwllMilHbsBridgeVlanDefaultId			RW	HBS bridge Vlan default id.
radwllMilHbsBridgeVlanDoubleTag			RW	HBS bridge Vlan double tag.
radwllMilHbsBridgeVlanEgress			RW	HBS bridge Vlan egress.
radwllMilHbsBridgeVlanEntry			N/A	HBS bridge Vlan table entry. INDEX { radwllMilHbsBridgeVlanIndex }
radwllMilHbsBridgeVlanFilterIn			RW	HBS bridge Vlan filter in.
radwllMilHbsBridgeVlanFilterOut			RW	HBS bridge Vlan filter out.
radwllMilHbsBridgeVlanIndex			RO	HBS bridge Vlan table index.
radwllMilHbsBridgeVlanIngress			RW	HBS bridge Vlan ingress.
radwllMilHbsBridgeVlanTable			N/A	Holds the bridge Vlan operations towards all the registered HSUs.
radwllMilHbsPerfMonAirGenCurrActiveSeconds			RO	The number of seconds in which RPL Ethernet swervice was not blocked in the present 15 minutes period.
radwllMilHbsPerfMonAirGenCurrEntry			N/A	This is an entry in the Current Interval Table. INDEX {ifIndex }

Table 3. SU Private MIB Parameters (Sheet 8 of 46)

Name	OID	Type	Access	Description
radwllMilHbsPerfMonAirGenCurrEthCapacityThreshUnder			RO	The number of times throughput was below threshold in the present 15 minutes period. Relevant for point to point systems.
radwllMilHbsPerfMonAirGenCurrHighTrafficThreshExceed			RO	The number of times actual traffic was above threshold in the present 15 minutes period.
radwllMilHbsPerfMonAirGenCurrRxMBytes			RO	Current RX Mega Bytes starting from the present 15 minutes period. (Represents the LAN traffic RX direction toward the HSU)
radwllMilHbsPerfMonAirGenCurrTable			N/A	This table defines/keeps the ethernet counters of the current 15 min interval.
radwllMilHbsPerfMonAirGenCurrTxMBytes			RO	Current Transmit Mega Bytes starting from the present 15 minutes period. (Represents the LAN traffic TX direction from the HSU)
radwllMilHbsPerfMonAirGenDayActiveSeconds			RO	The number of seconds in which RPL Ethernet service was not blocked each day.
radwllMilHbsPerfMonAirGenDayEntry			N/A	This is an entry in the Days Table. INDEX {ifIndex radwllMilHbsPerfMonAirGenDayIdx }
radwllMilHbsPerfMonAirGenDayEthCapacityThreshUnder			RO	The number of times throughput was below threshold each day. Relevant for point to point systems.
radwllMilHbsPerfMonAirGenDayHighTrafficThreshExceed			RO	The number of times actual traffic was above threshold each day.
radwllMilHbsPerfMonAirGenDayIdx			RO	This table is indexed per Day number. Each interval is of 15 minutes and the oldest is 96.
radwllMilHbsPerfMonAirGenDayRxMBytes			RO	Current RX Mega Bytes per day. (Represents the LAN traffic RX direction toward the HSU)
radwllMilHbsPerfMonAirGenDayTable			N/A	This table defines/keeps the ethernet counters of the last month (in resolution of days).
radwllMilHbsPerfMonAirGenDayTxMBytes			RO	Current Transmit Mega Bytes per day. (Represents the LAN traffic TX direction from the HSU)
radwllMilHbsPerfMonAirGenIntervalActiveSeconds			RO	The number of seconds in which RPL Ethernet service was not blocked in the each interval.
radwllMilHbsPerfMonAirGenIntervalEntry			N/A	This is an entry in the Interval Table. INDEX {ifIndex radwllMilHbsPerfMonAirGenIntervalIdx }
radwllMilHbsPerfMonAirGenIntervalEthCapacityThreshUnder			RO	The number of times throughput was below threshold in the each interval. Relevant for point to point systems.
radwllMilHbsPerfMonAirGenIntervalHighTrafficThreshExceed			RO	The number of times actual traffic was above threshold in the each interval.
radwllMilHbsPerfMonAirGenIntervalIdx			RO	This table is indexed per interval number. Each interval is of 15 minutes and the oldest is 96.

Table 3. SU Private MIB Parameters (Sheet 9 of 46)

Name	OID	Type	Access	Description
radwllMilHbsPerfMonAirGenIntervalRxMBytes			RO	Current RX Mega Bytes per interval. (Represents the LAN traffic RX direction toward the HSU).
radwllMilHbsPerfMonAirGenIntervalTable			N/A	This table defines/keeps the ethernet counters of the last day (in resolution of 15 min intervals).
radwllMilHbsPerfMonAirGenIntervalTxMBytes			RO	Current Transmit Mega Bytes per interval. (Represents the LAN traffic TX direction from the HSU)
radwllMilHbsPerfMonBBERThresh1			RW	HBS performance monitor BBER threshold.
radwllMilHbsPerfMonEstThroughputThreshKbps			RW	HBS performance monitor estimated throughput Threshold.
radwllMilHbsPerfMonHighTrafficThreshKbps			RW	HBS performance monitor high traffic threshold.
radwllMilHbsPerfMonRxThresh1			RW	HBS performance monitor receive power threshold 1.
radwllMilHbsPerfMonRxThresh2			RW	HBS performance monitor receive power threshold 2.
radwllMilHbsPerfMonThreshEntry			N/A	HBS performance monitor threshold table entry. INDEX { radwllMilHbsPerfMonThreshIndex }
radwllMilHbsPerfMonThreshIndex			RO	HBS performance monitor threshold table index.
radwllMilHbsPerfMonThreshTable			N/A	Holds the performance monitor thresholds towards all the registered HSUs.
radwllMilHbsPerfMonTxThresh1			RW	HBS performance monitor transmit power threshold.
radwllMilHbsServiceCategoryDelaySensitivity			RW	Delay Sensitivity to specific HSU.
radwllMilHbsServiceCategoryDLMir			RW	Service Category Downlink MIR
radwllMilHbsServiceCategoryDLResources			RW	Service Category Downlink Resources
radwllMilHbsServiceCategoryEntry			N/A	HBS service Radius Service Category table entry. INDEX { radwllMilHbsServiceCategoryIndex }
radwllMilHbsServiceCategoryIndex			RW	Service Category Index
radwllMilHbsServiceCategoryName			RW	Service Category Name
radwllMilHbsServiceCategoryQoSDownQueMir			RW	Private MIR for each QoS group of the Downlink direction (4 values separated by comma).
radwllMilHbsServiceCategoryQoSDownQueWeight			RW	Weight in percent for each QoS group of the Downlink direction (4 values separated by comma).
radwllMilHbsServiceCategoryQoSDownStrict			RW	Strict QOS Boolean indication for each QOS group of the Downlink direction (4 values separated by comma).
radwllMilHbsServiceCategoryQoSDownTtlMs			RW	TTL in mili second for each QoS group of the Downlink direction (4 values separated by comma).

Table 3. SU Private MIB Parameters (Sheet 10 of 46)

Name	OID	Type	Access	Description
radwllMilHbsServiceCategoryQoSUpQueMir			RW	Private MIR for each QoS group of the Uplink direction (4 values separated by comma).
radwllMilHbsServiceCategoryQoSUpQueWeight			RW	Weight in percent for each QoS group of the Uplink direction (4 values separated by comma).
radwllMilHbsServiceCategoryQoSUpStrict			RW	Strict QOS Boolean indication for each QOS group of the Uplink direction (4 values separated by comma).
radwllMilHbsServiceCategoryQoSUpTtlMs			RW	TTL in mili second for each QoS group of the Uplink direction (4 values separated by comma).
radwllMilHbsServiceCategoryQoSVoIPState			RW	VoIP supported to specific HSU.
radwllMilHbsServiceCategoryResourceType			RW	Resources Allocation Type (AA or BE) to specific HSU.
radwllMilHbsServiceCategoryTable			N/A	Holds the Radius Service Category profiles
radwllMilHbsServiceCategoryULMir			RW	Service Category Uplink MIR
radwllMilHbsServiceCategoryULResources			RW	Service Category Uplink Resources
radwllMilHbsServiceCommandStr			RW	Ability to perform special command in the HBS. Format (string): Operation Index Session Param1 Param2 ....| ParamN The index and SessionID can be uniting to one parameter. On registered HSU it is HSU-ID and on Unregistered it is Session-ID.
radwllMilHbsServicedotXEnable			RW	Enables/Disables 802.1x Authentication 1 - Mandatory Disabled 2 - disable 3- enable
radwllMilHbsServicedotXRadiusAccountingMode			RW	Enables/Disables 802.1x Accounting 1 - enabled 2 - Disabled
radwllMilHbsServicedotXRadiusServerConnectivity			RW	802.1x Radius Server Connectivity Status
radwllMilHbsServicedotXRadiusServerEntry			N/A	HBS 802.1x Radius Server table entry. INDEX { radwllMilHbsServicedotXRadiusServerIndex }
radwllMilHbsServicedotXRadiusServerIndex			RO	802.1x Radius Server Table index.
radwllMilHbsServicedotXRadiusServerIpAddr			RW	802.1x Radius Server IP
radwllMilHbsServicedotXRadiusServerPort			RW	802.1x Radius Server Port
radwllMilHbsServicedotXRadiusServerSecret			RW	802.1x Radius Server Secret
radwllMilHbsServicedotXRadiusServerTable			N/A	Holds the 802.1x Radius Server configurations
radwllMilHbsServicedotXReAuthenticatePeriod			RW	Re-Authentication time in secods . 0 for disable
radwllMilHbsServiceMaxNumOfHSUs			RO	Holds the maximum number of registered HSUs in the HBS.

Table 3. SU Private MIB Parameters (Sheet 11 of 46)

Name	OID	Type	Access	Description
radwllMilHbsServiceMobilitySupported			RO	Mobility Support (1 = Not supported 2 = Supported 3 - Transport supported)
radwllMilHbsServiceQoSConfAdminState			RW	QoS administrative state. The valid values are: enabled (1) disabled (2).
radwllMilHbsServiceQoSConfDownQueMir			RW	Private MIR for each QoS group of the Downlink direction (4 values separated by comma).
radwllMilHbsServiceQoSConfDownQueWeight			RW	Weight in percent for each QoS group of the Downlink direction (4 values separated by comma).
radwllMilHbsServiceQoSConfUpQueMir			RW	Private MIR for each QoS group of the Uplink direction (4 values separated by comma).
radwllMilHbsServiceQoSConfUpQueWeight			RW	Weight in percent for each QoS group of the Uplink direction (4 values separated by comma).
radwllMilHbsServiceQoSConfVoIPSupport			RW	Support VoIP capability per HSU. The valid values are: disabled (1) enabled (2).
radwllMilHbsServiceQoSDiffservQGroupsStr			RW	Frame classification according to Diffserv (all 4 groups separated by comma).
radwllMilHbsServiceQoSDownStrict			RW	Strict QOS Boolean indication for each QOS group of the Downlink direction (4 values separated by comma).
radwllMilHbsServiceQoSDownTtlMs			RW	TTL in mili second for each QoS group of the Downlink direction (4 values separated by comma).
radwllMilHbsServiceQoSEntry			N/A	HBS service QoS table entry. INDEX { radwllMilHbsServiceQoSIndex }
radwllMilHbsServiceQoSIndex			RO	HBS service QoS table index.
radwllMilHbsServiceQoSMaxRtQuePct			RO	Maximal percent for RT and NRT queues.
radwllMilHbsServiceQoSMode			RW	Quality of Service mode.
radwllMilHbsServiceQoSTable			N/A	Holds the QoS operations towards all the registered HSUs.
radwllMilHbsServiceQoSUpStrict			RW	Strict QOS Boolean indication for each QOS group of the Uplink direction (4 values separated by comma).
radwllMilHbsServiceQoSUpTtlMs			RW	TTL in mili second for each QoS group of the Uplink direction (4 values separated by comma).
radwllMilHbsServiceQoSVlanQGroupsStr			RW	Frame classification according to VLAN priority (all 4 groups separated by comma).
radwllMilHbsServiceQoSVoIPState			RW	Enable VoIP in Sector
radwllMilHbsServiceRadiusAuthorizationMode			RW	Enables/Disables Radius Authorization 1 - disable 2- enable
radwllMilHbsServiceRadiusHsuAccountingMode			RW	Enables/Disables Radius Accounting 1 - enabled 2- disabled
radwllMilHbsServiceRadiusHsuNasIdentifierConvention			RW	indicating how the NAS identifier is defined: 1 Device Name 2 Device Location
radwllMilHbsServiceRadiusPassword			RW	Radius client password

Table 3. SU Private MIB Parameters (Sheet 12 of 46)

Name	OID	Type	Access	Description
radwllMilHbsServiceRadiusServerConnectivity			RW	Radius server connectivity status
radwllMilHbsServiceRadiusServerEntry			N/A	HBS service Radius server table entry. INDEX { radwllMilHbsServiceRadiusServerIndex }
radwllMilHbsServiceRadiusServerIndex			RO	Radius Server table index.
radwllMilHbsServiceRadiusServerIpAddr			RW	Radius server IP
radwllMilHbsServiceRadiusServerNumberOfRetries			RW	Radius server number of retries
radwllMilHbsServiceRadiusServerPort			RW	Radius server Port
radwllMilHbsServiceRadiusServerSecret			RW	Radius server Secret
radwllMilHbsServiceRadiusServerTable			N/A	Holds the Radius Server configurations
radwllMilHbsServiceRadiusServerTimeout			RW	Radius server timeout
radwllMilHbsServiceRadiusUserName			RW	Radius client user Name
radwllMilHbsServiceSynchronization1588TCEnable			RW	Enable/Disable PTP TC support. Value Mandatory Disabled is unchangeable.
radwllMilHbsServiceSynchronizationSyncEDesiredReferenceClock			RW	Desired Reference Clk HBS/HSU + Port ID.
radwllMilHbsServiceSynchronizationSyncEEnable			RW	Enable/Disable SyncE support. Value Mandatory Disabled is unchangeable.
radwllMilHbsServiceSynchronizationSyncESSMGeneration			RW	Enable/Disable SyncE SSM Generation.
radwllMilHbsServiceSynchronizationSyncESupportedReferenceClock			RO	List of valid Reference Clk HBS/HSU + Port ID.
radwllMilHbsServiceVlanEntry			N/A	HBS service Vlan table entry. INDEX { radwllMilHbsServiceVlanIndex }
radwllMilHbsServiceVlanIndex			RO	HBS service Vlan table index.
radwllMilHbsServiceVlanTable			N/A	Holds the Vlan operations towards all the registered HSUs.
radwllMilHsuAdminInstallationConfirmationRequired			RO	Installation Confirmation required for Radius mode. 1- true 2- false
radwllMilHsuAdminSiteSurveyMode			RW	This value indicates if site survey is activated or not activated.
radwllMilHsuAdminSiteSurveySupport			RO	This value indicates if site survey is supported or not supported.
radwllMilHsuAirAlignment3x3Step			RO	Step number out of total steps in Throughput evaluation for 3x3 scenario.
radwllMilHsuAirAlignment3x3TotalSteps			RO	Total steps in Throughput evaluation for 3x3 scenario.
radwllMilHsuAirAlignmentCmd			RW	1 Start Alignment process and initialize the GIRO 2 Evaluate current manual angle 3 Finish Alignment process 4 Abort Alignment process 5 Evaluate best manual angle 6 Stop Alignment process 7 Start Gyro 8 Stop Gyro
radwllMilHsuAirAlignmentEvalTo			RW	Evaluation timeout.

Table 3. SU Private MIB Parameters (Sheet 13 of 46)

Name	OID	Type	Access	Description
radwllMilHsuAirAlignmentLastReport ElectronicAnglesHbs			RO	Electronic angles of 3 chains in the HBS side separated by comma.
radwllMilHsuAirAlignmentLastReport ElectronicAnglesHsu			RO	Electronic angles of 3 chains in the HSU side separated by comma.
radwllMilHsuAirAlignmentLastReport ManualAngle			RO	The angle of the antenna. Used in the alignment process.
radwllMilHsuAirAlignmentLastReport McsIndexDown			RO	MCS index of the link in the downlink direction.
radwllMilHsuAirAlignmentLastReport McsIndexUp			RO	MCS index of the link in the uplink direction.
radwllMilHsuAirAlignmentLastReport Rss			RO	RSS on chain 1 2 and 3 (separated by comma)
radwllMilHsuAirAlignmentLastReport State			RO	State of the Evaluation 1 Finished successfully 2 Partial Evaluation (Timeout Exceeded) 3 Evaluation Aborted (Timeout Exceeded) 4 Evaluation aborted (Unstable Antenna) 5 Evaluation aborted (Sync Lost) 6 Evaluation aborted (External command) 7 Evaluating.
radwllMilHsuAirAlignmentLastReport TputDownSector			RO	Expected throughput for the whole sector in the Downlink direction in this angle.
radwllMilHsuAirAlignmentLastReport TputUpSector			RO	Expected throughput for the whole sector in the Uplink direction in this angle.
radwllMilHsuAirAlignmentStatus			RO	Antenna Alignment status: -1 N/A (for non BSA products) 1 ISS (scanning for HBS) 2 CSA (Sync to HBS waiting for Evaluation command) 3 Bi-directional link 4 Evaluate 2x2 5 Evaluate 3x3 6 Alignment Finished.
radwllMilHsuAirCompressedMon			RO	Holds HSU monitor data in compressed format: HSU Rx Rate in Kbps (4) HSU Tx Rate in Kbps (4) HSU Rx Rate in Fps (4) HSU Tx Rate in Fps (4) HSU LAN 1 Rx Rate in Kbps (4) HSU LAN 1 Tx Rate in Kbps (4) HSU LAN 1 Rx Rate in Fps (4) HSU LAN 1 Tx Rate in Fps (4) HSU LAN 2 Rx Rate in Kbps (4) HSU LAN 2 Tx Rate in Kbps (4) HSU LAN 2 Rx Rate in Fps (4) HSU LAN 2 Tx Rate in Fps (4) 1588TC Performance (1) SyncE Performance (1) ATPC status (1) Installation confirmation required (1)
radwllMilHsuAirHsuId			RO	Holds the HSU ID as sent by the HBS.
radwllMilHsuAirInstallationBandId			RW	Installation Band ID Max input length must be less than 256 Characters
radwllMilHsuAirInstallationCBW			RW	Installation channel BW (MHz)
radwllMilHsuAirInstallationDateTime			RW	This parameter specifies the real time and date of the Installation Max input length must be less than 256 Characters
radwllMilHsuAirInstallationDlRss			RW	Installation Downlink RSS (dBm)
radwllMilHsuAirInstallationDlTput			RW	Installation Downlink Throughput (Mbps)
radwllMilHsuAirInstallationFreq			RW	Installation frequency (MHz)

Table 3. SU Private MIB Parameters (Sheet 14 of 46)

Name	OID	Type	Access	Description
radwllMilHsuAirInstallationGenStr			RW	General purpose string Max input length must be less than 256 Characters
radwllMilHsuAirInstallationSrvType			RW	Service Type: 1 =CIR 2 = Best Effort
radwllMilHsuAirInstallationUlRss			RW	Installation Uplink RSS (dBm)
radwllMilHsuAirInstallationUlTput			RW	Installation Uplink Throughput (Mbps)
radwllMilHsuAirLinkState			RO	Holds the state of the HSU link.
radwllMilHsuAirLocalDeregister			RW	Performs Local HSU Deregistration when - only when the link is off.
radwllMilHsuAirReAlignmentOnStartupEnable			RW	Should HSU perform Realignment every syncloss.
radwllMilHsuAirRemoteCompressedMon			RO	Holds all the configuration data of The HBS in compressed format. Fields Included: Rss (1 byte) Rss Balance (1 byte) Est. Tput - DL (4 bytes) In Bytes of the whole sector (4 bytes) Out Bytes of the whole sector (4 bytes) In Frames of the whole sector (4 bytes) Out Frames of the whole sector (4 bytes) Max Throughput DownLink (4 bytes) Max Throughput UpLink (4 bytes) Rx Rate In Kbps of the whole sector (4 bytes) Tx Rate In Kbps of the whole sector (4 bytes) Rx Rate In Fps of the whole sector (4 bytes) Tx Rate In Fps of the whole sector (4 bytes) Peak Throughput in the DL direction in Kbps (4 bytes) Peak Throughput in the UL direction in Kbps (4 bytes) Tx Ratio (2 bytes) Chain 1 Rss (1 byte) Chain 2 Rss (1 byte) Chain 3 Rss (1 byte) HBS Current Rate Index (2 bytes) HBS Current Rate CBW (1 bytes) HBS Current Rate GI (1 bytes) Rx LAN 1 Rate In Kbps of the whole sector (4 bytes) Tx LAN 1 Rate In Kbps of the whole sector (4 bytes) Rx LAN 1 Rate In Fps of the whole sector (4 bytes) Tx LAN 1 Rate In Fps of the whole sector (4 bytes) Rx LAN 2 Rate In Kbps of the whole sector (4 bytes) Tx LAN 2 Rate In Kbps of the whole sector (4 bytes) Rx LAN 2 Rate In Fps of the whole sector (4 bytes) Tx LAN 2 Rate In Fps of the whole sector (4 bytes) SyncE Performance (1 byte) HBS EC Changes Counter (1 byte) DL speed (4 bytes) UL speed (4 bytes) Est. Tput - UL (4 bytes)
radwllMilHsuAirRemoteCompressedStatic			RO	Holds all the configuration data of the HBS in a compressed format. Helps the NMS to get info regarding new Unregistered links. Fields Included: Location (32 bytes) IP address (8 bytes in hexa) Subnet mask (8 bytes in hexa) HBS Antenna type (1 byte) HBS Agent Version (4 bytes) HBS Name (32 bytes)
radwllMilHsuAirRssThreshSync			RW	HSUs will be sychnornized immediately if RSS is better than threshold.

Table 3. SU Private MIB Parameters (Sheet 15 of 46)

Name	OID	Type	Access	Description
radwllMilHsuAirState			RO	Holds the state of the HSU.
radwllMilHsuEthernetPoEEquConsumption			RO	Holds the consumption of the connected equipment (milliampere).
radwllMilHsuEthernetPoEEquVoltage			RO	Holds the voltage of the connected equipment (Volt).
radwllMilHsuEthernetPoESupported			RO	read-only
radwllMilHsuEthernetPoETemperature			RO	Holds the temperature (Celsius) of the POE component.
radwllMilHsuServiceCommandStr			RW	Ability to perform special command in the HSU. Format (string): Operation Param1 Param2 ....| ParamN.
radwllMilHsuServiceHsuLevel			RW	HSU level (1 .. 4)
radwllMilHsuServiceHsuType			RW	HSU type (1 = Fixed 2 = Stationary 3 = Mobile 4 = Transport 5 = Mobile_co_channel 6 = Residential 7 = N_Fixed 8 = N_Residential)
radwllMilIduAdmHwRev			RO	IDU Hardware Revision.
radwllMilIduAdmIduDetectionMode			RW	The parameter defines whether to send Ethernet frames to detect an IDU. The valid writable values are: userDisabled (3) userEnabled (4). A change requires a reset and is effective after reset.
radwllMilIduAdmLicensedTrunks			RO	Number of Licensed Trunks in the IDU
radwllMilIduAdmMountedTrunks			RO	Number of mounted trunks in the IDU
radwllMilIduAdmPortsConnection			RW	IDU ports connection bitmap. bit 0 - LAN1-LAN2 bit 1 - SFP-LAN1 bit 2 - SFP-LAN2 bit values: 0 - ports are disconnected. 1 - ports are connected.
radwllMilIduAdmProductType			RO	IDU configuration description.
radwllMilIduAdmSN			RO	IDU Serial Number
radwllMilIduAdmSwRev			RO	IDU Software Revision.
radwllMilIduAdmVlanDefaultPortVIDs			RW	VLAN tag/untag default VLAN ids for each port - Right most digit is Vlan priority (0-6) other digits compose Vlan Id (1-4094)
radwllMilIduAdmVlanEgressMode			RW	VLAN tag/untag egress values
radwllMilIduAdmVlanIngressMode			RW	VLAN tag/untag ingress values
radwllMilIduAdmVlanLan1FilteredVIDs			RW	VLAN filtered VIDs for LAN1 port
radwllMilIduAdmVlanLan1UntaggedVIDs			RW	VLAN untagged VIDs for LAN1 port
radwllMilIduAdmVlanLan2FilteredVIDs			RW	VLAN filtered VIDs for LAN2 port
radwllMilIduAdmVlanLan2UntaggedVIDs			RW	VLAN untagged VIDs for LAN2 port
radwllMilIduAdmVlanMembershipPortsCode			RW	VLAN Membership ports code. Each value represent the relation (bitmap) Between the suitable VID to the IDU ports. bit 0 - LAN1 bit 1 - LAN2 bit 2 - SFP bit value 0 - not member of appropriate VID bit value 1 - member of appropriate VID

Table 3. SU Private MIB Parameters (Sheet 16 of 46)

Name	OID	Type	Access	Description
radwllMilIduAdmVlanMembershipTagUntagged			RW	VLAN Membership Untagged frames tagging. The 3 values representing LAN1 LAN2 and SFP accordingly. The value on each port entry represent the tagging value which is built of: VLAN ID & VLAN Priority.
radwllMilIduAdmVlanMembershipUntaggedHandle			RW	VLAN Membership Untagged frames handling. The 3 values representing LAN1 LAN2 and SFP accordingly. For each port the optional values are: 1 - Discard 2 - Tag 3 - Leave Unmodified
radwllMilIduAdmVlanMembershipVIDs			RW	VLAN Membership VLAN IDs list.
radwllMilIduAdmVlanMode			RW	Local IDU Vlan Mode.
radwllMilIduAdmVlanSfpFilteredVIDs			RW	VLAN filtered VIDs for Sfp port
radwllMilIduAdmVlanSfpUntaggedVIDs			RW	VLAN untagged VIDs for Sfp port
radwllMilIduAdmVlanSupported			RO	Identifies if the local IDU supports VLAN tag/untag
radwllMilIduBridgeTpAging			RW	Timeout in seconds for aging. Note that for this parameter to be effective the ODU must be configured to HUB mode. A change is effective immediately.
radwllMilIduEthernetGbeSupported			RO	read-only
radwllMilIduEthernetIfAddress			RO	IDU MAC address.
radwllMilIduEthernetIfEntry			N/A	IDU Ethernet Interface table entry. INDEX { radwllMilIduEthernetIfIndex }
radwllMilIduEthernetIfIndex			RO	If Index corresponding to this Interface.
radwllMilIduEthernetIfTable			N/A	IDU Ethernet Interface table.
radwllMilIduEthernetNumOfLanPorts			RO	Number of LAN interfaces in the IDU.
radwllMilIduEthernetNumOfSfpPorts			RO	The number of SFP interfaces in the IDU.
radwllMilIduEthernetOduInErrors			RO	The number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol.
radwllMilIduEthernetSfpProperties			RO	SFP venfor properties : Vendor Name PN and Revision.
radwllMilIduSrvActiveTrunks			RO	A bitmap describing the currently open TDM trunks.
radwllMilIduSrvAvailableTrunks			RO	A bitmap describing the number of TDM trunks that can be opened in the current configuration. The values take into account the IDU hardware configuration the air rate and the installation range.
radwllMilIduSrvAvailableTrunksT1			RO	A bitmap describing the TDM trunks that can be opened under T1 configuration. The values take into account the IDU hardware configuration the air rate and the installation range.
radwllMilIduSrvAvailServicesEntry			N/A	ODU TDM Services table entry. INDEX { radwllMilIduSrvAvailServicesIndex }
radwllMilIduSrvAvailServicesIndex			RO	Table index. The index is the bit mask of the TDM service.

Table 3. SU Private MIB Parameters (Sheet 17 of 46)

Name	OID	Type	Access	Description
radwllMilIduSrvAvailServicesMaxRateIdx			RO	Maximum rate index of the air interface which make the service possible.
radwllMilIduSrvAvailServicesMinRateIdx			RO	Minimum rate index of the air interface which make the service possible.
radwllMilIduSrvAvailServicesReason			RO	Information about the TDM Service availability. - Not Applicable if the service is available. The reasons for TDM Service unavailability: - The available throughput isn't sufficient for Service demands; - The IDU HW doesn't support the service; - A Link Password mismatch was detected; - The external pulse type detected is improper for TDM services; - A Software versions mismatch was detected. - A-Symetric TDD Mode Is Obligated.
radwllMilIduSrvAvailServicesState			RO	Represents the TDM service availability.
radwllMilIduSrvAvailServicesTable			N/A	ODU Possible TDM Services table.
radwllMilIduSrvDesiredTrunks			RW	Required trunks bitmap. Note that the number of possible trunks that can be configured may vary based on the IDU hardware configuration the selected air interface rate and the range of the installation. The provided Manager application enables the user to select only available configurations. A change is effective immediately if applied to a master unit and the link is in service mode.
radwllMilIduSrvEthActive			RO	Represents the Ethernet service activation state.
radwllMilIduSrvEthAvailable			RO	Represents the Ethernet service availability state.
radwllMilIduSrvEthMaxInfoRate			RW	Holds the maximum bandwidth (kbps) to be allocated for Ethernet service. Value of zero means that Ethernet service works as best effort. The maximum value is product specific. Refer to the user manual.
radwllMilIduSrvEthThroughput			RO	Current available Ethernet service throughput in bps.
radwllMilIduSrvPossibleEthServices			RO	Deprecated parameter. This parameter describes if the Ethernet Service can be opened in the corresponding Air Rate. The valid values are: disabled (0) enabled (1).
radwllMilIduSrvPossibleServicesEntry			N/A	IDU Services table entry. INDEX { radwllMilIduSrvPossibleServicesIndex }
radwllMilIduSrvPossibleServicesIndex			RO	Table index Rate index of the air interface.
radwllMilIduSrvPossibleServicesTable			N/A	IDU Possible Services table.
radwllMilIduSrvPossibleTdmServices			RO	Deprecated parameter. A bitmap describing the TDM trunks that can be opened in the corresponding Air Rate.
radwllMilIduSrvRemainingRate			RO	Current Ethernet bandwidth in bps per air rate.

Table 3. SU Private MIB Parameters (Sheet 18 of 46)

Name	OID	Type	Access	Description
radwllMilIduSrvServices			RO	This parameter is reserved to the Manager application provided with the product.
radwllMilIduSrvTrunkCost			RO	Cost of the TDM Service in bps.
radwllMilIduTdmBackupAvailableLinks			RO	Number of TDM backup trunks.
radwllMilIduTdmBackupCurrentActiveLink			RO	TDM backup current active link: N/A air link is active or external link is active.
radwllMilIduTdmBackupEntry			N/A	IDU TDM Links Statistics table entry. INDEX { radwllMilIduTdmBackupIndex }
radwllMilIduTdmBackupIndex			RO	Table index.
radwllMilIduTdmBackupLinkConfiguration			RW	The current configuration of the backup link.
radwllMilIduTdmBackupMode			RW	TDM backup mode: Enable or Disable where the main link is the air link or the external link. Changes will be effective immediatly.
radwllMilIduTdmBackupTable			N/A	IDU TDM Links Statistics table.
radwllMilIduTdmConfigEntry			N/A	IDU TDM Links Configuration table entry. INDEX { radwllMilIduTdmConfigIndex }
radwllMilIduTdmConfigIndex			RO	Table index.
radwllMilIduTdmConfigTable			N/A	IDU TDM Links Configuration table.
radwllMilIduTdmCurrentBlocks			RO	Number of correct blocks transmitted to the line.
radwllMilIduTdmCurrentBlocksHigh			RO	High part of the 64 bits counter Current Blocks
radwllMilIduTdmCurrentDrops			RO	Number of error blocks transmitted to the line.
radwllMilIduTdmCurrentEntry			N/A	IDU TDM Links Statistics table entry. INDEX { radwllMilIduTdmCurrentIndex }
radwllMilIduTdmCurrentIndex			RO	Table index (Same as radwllMilIduTdmLineIndex).
radwllMilIduTdmCurrentTable			N/A	IDU TDM Links Statistics table.
radwllMilIduTdmCurrentTxClock			RW	TDM Transmit Clock. A change is effective after re-activation of the TDM service.
radwllMilIduTdmDesiredHotStandbyMode			RW	Desired Hot Standby Mode.
radwllMilIduTdmHotStandbyOperationStatus			RO	The Link Actual Status.
radwllMilIduTdmHotStandbySupport			RO	Indicates if Hot Standby is supported.
radwllMilIduTdmIfIndex			RO	Link index in the interface table.
radwllMilIduTdmJitterBufferDefaultSize			RO	TDM Jitter Buffer Default Size. The units are 0.1 x millisecond.
radwllMilIduTdmJitterBufferMaxSize			RO	TDM Jitter Buffer Maximum Size. The units are 0.1 x millisecond.
radwllMilIduTdmJitterBufferMinSize			RO	TDM Jitter Buffer Minimum Size. The units are 0.1 x millisecond.
radwllMilIduTdmJitterBufferSize			RW	TDM Jitter Buffer Size. The value must be between the minimum and the maximum TDM Jitter Buffer Size. The units are 0.1 x millisecond.

Table 3. SU Private MIB Parameters (Sheet 19 of 46)

Name	OID	Type	Access	Description
radwllMilIduTdmJitterBufferSizeEval			RW	TDM Jitter Buffer Size for evaluation. The value must be between the minimum and the maximum TDM Jitter Buffer Size. The units are 0.1 x millisecond.
radwllMilIduTdmLineCoding			RW	This parameter applies to T1 trunks only. The parameter controls the line coding. Setting the value to each of the indices applies to all. A change is effective after the next open of the TDM service.
radwllMilIduTdmLineImpedanceConfiguration			RW	TDM line impedance configuration (standardT1 - 100Ohm nonStandardT1 - 110Ohm) Applicable only for T1 TDM type.
radwllMilIduTdmLineInterfaceConfiguration			RW	TDM Line interface configuration.
radwllMilIduTdmLineStatus			RO	Line status.
radwllMilIduTdmLineStatusStr			RO	Line status.
radwllMilIduTdmLoopbackConfig			RW	Loop back configuration table. Each of the trunks can be set Normal Line loop back or Reverse line loop back. A change is effective immediately.
radwllMilIduTdmMasterClockActual			RO	Actual Trunk used for TDM Master Clock.
radwllMilIduTdmMasterClockAvailOptions			RO	Available options of the TDM Master Clock Control each input status is represented by a bit. When the option is available the bit value is 1. When the option is unavailable the bit value is 0. The available options are: bit 2 = Automatic bit 3 = Trunk #1 bit 4 = Trunk #2 bit 5 = Trunk #3 bit 6 = Trunk #4 When no options are available the returned value is: 1
radwllMilIduTdmMasterClockDesired			RW	Required TDM Master Clock. A change is effective after re-activation of the TDM service.
radwllMilIduTdmRemoteQual			RO	Estimated average interval between error second events. The valid values are 1-2^31 where a value of -1 is used to indicate an undefined state.
radwllMilIduTdmRemoteQualEval			RO	Estimated average interval between error second events during evaluation process. The valid values are 1-2^31 where a value of -1 is used to indicate an undefined state.
radwllMilIduTdmSrvEval			RW	Evaluated TDM service bit mask. Setting this parameter to value that is bigger than the activated TDM service bit mask will execute the evaluation process for 30 seconds. Setting this parameter to 0 will stop the evaluation process immediately.
radwllMilIduTdmTxClockActualState			RO	Actual state of the TDM Transmit Clock Control.

Table 3. SU Private MIB Parameters (Sheet 20 of 46)

Name	OID	Type	Access	Description
radwllMilIduTdmTxClockAvailStates			RO	Available states of the TDM Transmit Clock Control each input status is represented by a bit. When the state is available the bit value is 1. When the state is unavailable the bit value is 0. The available states are: bit 2 = Transparent bit 3 = Local Loop Timed bit 4 = Remote Loop Timed bit 5 = Local Internal bit 6 = Remote Internal
radwllMilIduTdmTxClockDesiredState			RW	Required state of the TDM Transmit Clock Control. A change is effective after re-activation of the TDM service.
radwllMilIduTdmType			RW	TDM Type (The value undefined is read-only).
radwllMilIduTdmTypeEval			RW	TDM Type for evaluation.
radwllMilOduAdm1588TCSupport	1.3.6.1.4.1.4458.1000.1.1.54	Integer	RO	Indicates that 1588TC license activated
radwllMilOduAdmActivationKey	1.3.6.1.4.1.4458.1000.1.1.31	DisplayString	RW	Activates a general key.
radwllMilOduAdmActualConnectMode	1.3.6.1.4.1.4458.1000.1.1.36	Integer	RO	Unit connected as part to ptp or ptmp.
radwllMilOduAdmAddres	1.3.6.1.4.1.4458.1000.1.1.6	IPAddress	RW	ODU IP address. A change is effective after reset. The parameter is kept for backward compatibility. Using the alternative parameter: radwllMilOduAdmIpParamsCnfg is recommended.
radwllMilOduAdmAES256State	1.3.6.1.4.1.4458.1000.1.1.38	Integer	RW	Enable/Disable AES-256 security mode over the air link.
radwllMilOduAdmAES256Status	1.3.6.1.4.1.4458.1000.1.1.39	Integer	RO	AES256 operating status
radwllMilOduAdmAES256Support	1.3.6.1.4.1.4458.1000.1.1.37	Integer	RO	AES-256 security support indication.
radwllMilOduAdmAntennaDescription	1.3.6.1.4.1.4458.1000.1.1.60	DisplayString	RO	The is a description of the antenna connected to the ODU
radwllMilOduAdmBackToFactorySettingsCmd	1.3.6.1.4.1.4458.1000.1.1.25	Integer	RW	Back to factory settings Command. A change is effective after reset. The read value is always 0.
radwllMilOduAdmBatterySavingShutdownTime	1.3.6.1.4.1.4458.1000.1.1.40	Integer	RW	Battery Saving Shutdown Time in minutes 0 till battery run out -1 if not supported.
radwllMilOduAdmBroadcast	1.3.6.1.4.1.4458.1000.1.1.10	Integer	RW	This parameter is reserved for the Manager application provided with the product.
radwllMilOduAdmBsaOperationMode	1.3.6.1.4.1.4458.1000.1.1.52	Integer	RO	BSA Operation Mode
radwllMilOduAdmConnectionType	1.3.6.1.4.1.4458.1000.1.1.24	Integer	RO	This parameter indicates if the Manager application is connected to the local ODU or to the remote ODU over the air. A value of 'unknown' indicates community string mismatch.
radwllMilOduAdmCpuID	1.3.6.1.4.1.4458.1000.1.1.33	Integer	RO	CPU ID
radwllMilOduAdmDefaultPassword	1.3.6.1.4.1.4458.1000.1.1.23	Integer	RO	This parameter indicates if the current Link Password is the default password.

Table 3. SU Private MIB Parameters (Sheet 21 of 46)

Name	OID	Type	Access	Description
radwllMilOduAdmExternAlarmInAdminState			RW	This value indicates if this External Alarm Input is enabled or disabled.
radwllMilOduAdmExternAlarmInEntry			N/A	Entry containing the elements of a single External Alarm Input. INDEX { radwllMilOduAdmExternAlarmInIndex}
radwllMilOduAdmExternAlarmInIndex			RO	This value indicates the index of the External Alarm Input entry.
radwllMilOduAdmExternAlarmInStatus			RO	This value indicates the current status of the External Alarm Input.
radwllMilOduAdmExternAlarmInTable			N/A	This is the External Alarm Inputs table.
radwllMilOduAdmExternAlarmInText			RW	This field describes the External Alarm Input. It is an optional string of no more than 64 characters which will be used in the event being sent as a result of a change in the status of the External Alarm Input. DEFVAL {Alarm Description}
radwllMilOduAdmGateway	1.3.6.1.4.1.4458.1000.1.1.8	IPAddress	RW	ODU default gateway. A change is effective after reset. The parameter is kept for backward compatibility. Using the alternative parameter: radwllMilOduAdmIpParamsCnfg is recommended.
radwllMilOduAdmGPSState	1.3.6.1.4.1.4458.1000.1.1.43	Integer	RO	GPS state
radwllMilOduAdmHostsEntry			N/A	Trap destinations table entry. INDEX { radwllMilOduAdmHostsIndex }
radwllMilOduAdmHostsIndex	1.3.6.1.4.1.4458.1000.1.1.12.1.1	Integer	RO	Trap destinations table index.
radwllMilOduAdmHostsIp	1.3.6.1.4.1.4458.1000.1.1.12.1.2	IPAddress	RW	Trap destination IP address. A change is effective immediately.
radwllMilOduAdmHostsIPv6	1.3.6.1.4.1.4458.1000.1.1.12.1.7	DisplayString	RW	Trap destination IPv6 address. A change is effective immediately.
radwllMilOduAdmHostsPassword	1.3.6.1.4.1.4458.1000.1.1.12.1.6	DisplayString	RW	Password used to generate the snmpv3 trap.
radwllMilOduAdmHostsPort	1.3.6.1.4.1.4458.1000.1.1.12.1.3	Integer	RW	UDP port of the trap destination. A change is effective immediately.
radwllMilOduAdmHostsSecurityModel	1.3.6.1.4.1.4458.1000.1.1.12.1.4	Integer	RW	Security model used for this trap generation.
radwllMilOduAdmHostsTable			N/A	Trap destinations table. Each trap destination is defined by an IP address and a UDP port. Up to 10 addresses can be configured.
radwllMilOduAdmHostsUserName	1.3.6.1.4.1.4458.1000.1.1.12.1.5	DisplayString	RW	User name used to generate the snmpv3 trap.
radwllMilOduAdmHwRev	1.3.6.1.4.1.4458.1000.1.1.2	DisplayString	RO	ODU Hardware Version.
radwllMilOduAdmIpParamsCnfg	1.3.6.1.4.1.4458.1000.1.1.26	DisplayString	RW	ODU IP address Configuration. The format is: <IP_Address>|<Subnet_Mask>|<Default_Gateway>|
radwllMilOduAdmIPStackMode	1.3.6.1.4.1.4458.1000.1.1.45	Integer	RW	The IP stack mode.
radwllMilOduAdmIPv6Address	1.3.6.1.4.1.4458.1000.1.1.47	DisplayString	RO	ODU IPv6 address.

Table 3. SU Private MIB Parameters (Sheet 22 of 46)

Name	OID	Type	Access	Description
radwllMilOduAdmIPv6DefaultGateWay	1.3.6.1.4.1.4458.1000.1.1.49	DisplayString	RO	ODU IPv6 default gateway.
radwllMilOduAdmIPv6ParamsCnfg	1.3.6.1.4.1.4458.1000.1.1.46	DisplayString	RW	ODU IPv6 address Configuration. The format is: <IP_Address>|<Subnet_Mask>|<Default_Gateway>|
radwllMilOduAdmIPv6Prefix	1.3.6.1.4.1.4458.1000.1.1.48	Integer	RO	ODU IPv6 subnet mask.
radwllMilOduAdmLinkMode	1.3.6.1.4.1.4458.1000.1.1.35	Integer	RW	Unit PMP operation mode.
radwllMilOduAdmLinkName	1.3.6.1.4.1.4458.1000.1.1.4	DisplayString	RW	Link Name. A change is effective immediately.
radwllMilOduAdmLinkPassword	1.3.6.1.4.1.4458.1000.1.1.21	DisplayString	RW	Link Password. This parameter always returns ***** when retrieving its value. It is used by the Manager application to change the Link Password. The SNMP agent accepts only encrypted values.
radwllMilOduAdmManagerDownloadURL	1.3.6.1.4.1.4458.1000.1.1.59	DisplayString	RW	This is the URL from which management tool can be downloaded
radwllMilOduAdmMask	1.3.6.1.4.1.4458.1000.1.1.7	IPAddress	RW	ODU Subnet Mask. A change is effective after reset. The parameter is kept for backward compatibility. Using the alternative parameter: radwllMilOduAdmIpParamsCnfg is recommended.
radwllMilOduAdmMngConnection	1.3.6.1.4.1.4458.1000.1.1.53	DisplayString	RW	Management Connection
radwllMilOduAdmNTPCfgTimeServerIPv6			RW	IPv6 address of the server from which the current time is loaded.
radwllMilOduAdmNumOfExternalAlarmIn			RO	Indicates the number of currently available External Alarm Inputs.
radwllMilOduAdmOvrdCmd	1.3.6.1.4.1.4458.1000.1.1.34	DisplayString	RW	Ability to perform special command in the ODU.
radwllMilOduAdmPMPSUSupport			RO	Indicates that PMP SU license is activated
radwllMilOduAdmPowerConsumption	1.3.6.1.4.1.4458.1000.1.1.50	Integer	RO	Power Consumption (mWatt)
radwllMilOduAdmProductName	1.3.6.1.4.1.4458.1000.1.1.30	DisplayString	RO	This is the product name as it exists at EC
radwllMilOduAdmProductRev	1.3.6.1.4.1.4458.1000.1.1.57	DisplayString	RO	Product Revision
radwllMilOduAdmProductType	1.3.6.1.4.1.4458.1000.1.1.1	DisplayString	RO	ODU configuration description.
radwllMilOduAdmRadioRev	1.3.6.1.4.1.4458.1000.1.1.56	DisplayString	RO	Radio Revision
radwllMilOduAdmRemoteSiteName	1.3.6.1.4.1.4458.1000.1.1.19	DisplayString	RO	Remote site name. Returns the same value as sysLocation parameter of the remote site.
radwllMilOduAdmRequesterSourceIp			RO	Returns the SNMP request's source IP address
radwllMilOduAdmResetCmd	1.3.6.1.4.1.4458.1000.1.1.5	Integer	RW	Reset Command. A set command with a value of 3 will cause a device reset. The read value is always 0.

Table 3. SU Private MIB Parameters (Sheet 23 of 46)

Name	OID	Type	Access	Description
radwllMilOduAdmRmtPermittedOduType	1.3.6.1.4.1.4458.1000.1.1.32	DisplayString	RW	Mobile Application: permitted partner OduType.
radwllMilOduAdmSecurityMode	1.3.6.1.4.1.4458.1000.1.1.64	Integer	RW	ODUs Security Mode : standard (1) high (2) veryHigh (3)
radwllMilOduAdmShutdownTimer	1.3.6.1.4.1.4458.1000.1.1.42	Integer	RO	Shutdown Timer in seconds.
radwllMilOduAdmSiteLinkPassword	1.3.6.1.4.1.4458.1000.1.1.22	DisplayString	RW	Site Link Password. This parameter always returns ***** when retrieving its value. It is used by the Manager application to change the Link Password of the site. The SNMP agent accepts only encrypted values.
radwllMilOduAdmSN	1.3.6.1.4.1.4458.1000.1.1.29	DisplayString	RO	ODU Serial Number
radwllMilOduAdmSnmpAgentMinorVersion	1.3.6.1.4.1.4458.1000.1.1.20	Integer	RO	Minor version of the SNMP agent.
radwllMilOduAdmSnmpAgentVersion	1.3.6.1.4.1.4458.1000.1.1.18	Integer	RO	Major version of the SNMP agent.
radwllMilOduAdmSwCapabilities	1.3.6.1.4.1.4458.1000.1.1.61	DisplayString	RO	This is used to describe which Software Capabilities the current ODU supports
radwllMilOduAdmSwChangeCommand			RW	Software Change Commands (string): Validate: 1 Mode Start: 2 Mode Download: 3 Mode URL Upload: 4 Mode URL Clean: 5 [SizeInBytes] Backup: 6 [DateTime] Mode: SW Upgrade(1) Backup/Restore(2)
radwllMilOduAdmSwChangeError			RO	Software Change Operation Error String
radwllMilOduAdmSwChangeMetadata			RO	Software Metadata String
radwllMilOduAdmSwChangeStatus			RO	Software Change Operation status: None (1) In Progress (2) Pending Reset (3) Error (4)
radwllMilOduAdmSwRev	1.3.6.1.4.1.4458.1000.1.1.3	DisplayString	RO	ODU Software Version.
radwllMilOduAdmSyncESupport	1.3.6.1.4.1.4458.1000.1.1.55	Integer	RO	ndicates that SyncE license activated
radwllMilOduAdmTemperatureC	1.3.6.1.4.1.4458.1000.1.1.44	Integer	RO	The temperature (Celsius) inside the Board.
radwllMilOduAdmTemporarilyDisableSecurityMode	1.3.6.1.4.1.4458.1000.1.1.65	Integer	RW	shall allow the user to disable high/very high Security Mode for 10 minutes
radwllMilOduAdmVlanID	1.3.6.1.4.1.4458.1000.1.1.27	Integer	RW	VLAN ID. Valid values are 1 to 4094. Initial value is 0 meaning VLAN unaware.
radwllMilOduAdmVlanPriority	1.3.6.1.4.1.4458.1000.1.1.28	Integer	RW	VLAN Priority. 0 is lowest priority 7 is highest priority.
radwllMilOduAdmWifiApStatus	1.3.6.1.4.1.4458.1000.1.1.51.10	Integer	RO	Wifi AP Status
radwllMilOduAdmWifiChannel	1.3.6.1.4.1.4458.1000.1.1.51.1	Integer	RW	Wifi Channel
radwllMilOduAdmWifiMaxTxPower	1.3.6.1.4.1.4458.1000.1.1.51.11	Integer	RO	Wifi Max Tx Power
radwllMilOduAdmWifiNetwork	1.3.6.1.4.1.4458.1000.1.1.51.6	IPAddress	RW	Wifi Network

Table 3. SU Private MIB Parameters (Sheet 24 of 46)

Name	OID	Type	Access	Description
radwllMilOduAdmWifiPassword	1.3.6.1.4.1.4458.1000.1.1.51.5	DisplayString	RW	Wifi Password
radwllMilOduAdmWiFiPowerMode	1.3.6.1.4.1.4458.1000.1.1.41	Integer	RW	WIFI unit power mode.
radwllMilOduAdmWifiRestart	1.3.6.1.4.1.4458.1000.1.1.51.9	Integer	RW	A set command with a value of 1 will cause a Wifi restart. The read value is always 0.
radwllMilOduAdmWifiRssi	1.3.6.1.4.1.4458.1000.1.1.51.7	Integer	RO	Wifi RSSI
radwllMilOduAdmWiFiRssiAndMac	1.3.6.1.4.1.4458.1000.1.1.51.12.1.2	DisplayString	RO	Wifi Rssi And Mac adress per connected user value.
radwllMilOduAdmWiFiRssiAndMacEntry			N/A	Wifi Rssi And Mac adress per connected user table entry. INDEX { radwllMilOduAdmWiFiRssiAndMacIndex }
radwllMilOduAdmWiFiRssiAndMacIndex	1.3.6.1.4.1.4458.1000.1.1.51.12.1.1	Integer	RO	Wifi Rssi And Mac adress per connected user Index.
radwllMilOduAdmWiFiRssiTable			N/A	Table of Wifi Rssi And Mac adress per connected user.
radwllMilOduAdmWifiSecurityType	1.3.6.1.4.1.4458.1000.1.1.51.4	Integer	RO	Wifi Security type
radwllMilOduAdmWifiSSID	1.3.6.1.4.1.4458.1000.1.1.51.3	DisplayString	RO	Wifi SSID
radwllMilOduAdmWifiStationMAC	1.3.6.1.4.1.4458.1000.1.1.51.8	DisplayString	RO	Wifi Station MAC
radwllMilOduAdmWifiTxPower	1.3.6.1.4.1.4458.1000.1.1.51.2	Integer	RW	Wifi TX Power
radwllMilOduAgnCurrAlarmCounter			RO	A running counter of active alarms. The counter is incremented for every new RAISED trap. It is cleared after a device reset.
radwllMilOduAgnCurrAlarmEntry			N/A	Entry containing the details of a currently RAISED trap. INDEX { radwllMilOduAgnCurrAlarmCounter }
radwllMilOduAgnCurrAlarmId			RO	Unique Alarm Identifier (combines alarm type and interface). The same AlarmId is used for RAISED and CLEARED alarms.
radwllMilOduAgnCurrAlarmIfIndex			RO	Interface Index where the alarm occurred. Alarms that are not associated with a specific interface will have the following value: 65535.
radwllMilOduAgnCurrAlarmLastChange			RO	This counter is initialized to 0 after a device reset and is incremented upon each change in the radwllMilOduAgnCurrAlarmTable (either an addition or removal of an entry).
radwllMilOduAgnCurrAlarmSeverity			RO	Current Alarm severity.
radwllMilOduAgnCurrAlarmTable			N/A	This table includes the currently active alarms. When a RAISED trap is sent an alarm entry is added to the table. When a CLEAR trap is sent the entry is removed.
radwllMilOduAgnCurrAlarmText			RO	Alarm display text (same as the text in the sent trap).

Table 3. SU Private MIB Parameters (Sheet 25 of 46)

Name	OID	Type	Access	Description
radwllMilOduAgnCurrAlarmTimeT			RO	Timestamp of this alarm. This number is in seconds from Midnight January 1st 1970.
radwllMilOduAgnCurrAlarmTrapID			RO	ID of the raised trap that was sent when this alarm was raised.
radwllMilOduAgnCurrAlarmUnit			RO	Unit associated with the alarm.
radwllMilOduAgnGenAddTrapExt			RW	If 'yes' is chosen the ifIndex Unit Severity Time_T and Alarm Id from the radwllMilOduAgnCurrAlarmTable will be bind to the end of each private trap.
radwllMilOduAgnGenLocalConnectionMode			RW	Local Connection (Broadcast) Configuration Mode. Options are: 1 - SNMP Read-Write 2 - SNMP Read-Only.
radwllMilOduAgnGenSetMode			RW	This parameter is reserved to the element manager provided with the product.
radwllMilOduAgnLastEventsEntry			N/A	Entry containing the details of last traps. INDEX { radwllMilOduAgnLastEventsIndex }
radwllMilOduAgnLastEventsIfIndex			RO	Interface Index where the event occurred. Traps that are not associated with a specific interface will have the following value: 65535.
radwllMilOduAgnLastEventsIndex			RO	The index of the table
radwllMilOduAgnLastEventsNumber			RO	This counter indicates the size of the radwllMilOduAgnLastEventsTable
radwllMilOduAgnLastEventsSeverity			RO	Current Trap severity.
radwllMilOduAgnLastEventsTable			N/A	This table includes the last events. When a trap is sent an event entry is added to the table.
radwllMilOduAgnLastEventsText			RO	Trap display text (same as the text in the sent trap).
radwllMilOduAgnLastEventsTimeT			RO	Timestamp of this trap. This number is in seconds from Midnight January 1st 1970.
radwllMilOduAgnNTPCfgTimeOffsetFromUTC			RW	Offset from Coordinated Universal Time (minutes). Possible values: -1440..1440.
radwllMilOduAgnNTPCfgTimeServerIP			RW	IP address of the server from which the current time is loaded.

Table 3. SU Private MIB Parameters (Sheet 26 of 46)

Name	OID	Type	Access	Description
radwllMilOduAgnRealTimeAndDate			RW	This parameter specifies the real time and date Format 'YYYY-MM-DD HH:MM:SS' (Hexadecimal). A date-time specification: field octets contents range ----- ---- -- -------- ----- 1 1-2 year 0..65536 2 3 month 1..12 3 4 day 1..31 4 5 hour 0..23 5 6 minutes 0..59 6 7 seconds 0..60 (use 60 for leap-second) 7 8 deci-seconds 0..9 For example Tuesday May 26 1992 at 1:30:15 PM EDT would be displayed as: 07 c8 05 1a 0d 1e 0f 00 (1992 -5 -26 13:30:15)
radwllMilOduAgnUsersEntry			N/A	SNMP users table entry. INDEX { radwllMilOduAgnUsersIndex }
radwllMilOduAgnUsersIndex			RO	SNMP users table index.
radwllMilOduAgnUsersLastAccessTime			RO	SNMP users last access time.
radwllMilOduAgnUsersPassword			RW	SNMP users passwords.
radwllMilOduAgnUsersProfile			RW	SNMP users profile (1=Disabled 2=ReadOnly 3=ReadWrite).
radwllMilOduAgnUsersTable			N/A	SNMP users table. Each user is defined by name password and profile.
radwllMilOduAgnUsersUserName			RW	SNMP users user names.
radwllMilOduAirAccumulatedUAS	1.3.6.1.4.1.4458.1000.1.5.61	Integer	RO	Accumulates the Unavailable seconds of the Air Interface. Relevant for point to point systems.
radwllMilOduAirAggregateCapacity	1.3.6.1.4.1.4458.1000.1.5.70	Integer	RO	Aggregate Capacity of the ODU in Mbps.
radwllMilOduAirAllowableChannelsStr	1.3.6.1.4.1.4458.1000.1.5.65	DisplayString	RW	A string representing the allowable channels. Each character represents one channel when '1' means its available and '0' means its not.
radwllMilOduAirALPMDataBufferStr			RW	A string that holds all of the ALPM events data
radwllMilOduAirAntConfAndRatesStatus	1.3.6.1.4.1.4458.1000.1.5.57	Integer	RO	Description: Antenna configuration and Rates status (1 = Single antenna with single data stream 2 = Dual antenna with single data stream 3 = Dual antenna with dual data stream).
radwllMilOduAirAntConnectionType	1.3.6.1.4.1.4458.1000.1.5.64	Integer	RW	Antenna connection type (External(1) Integrated(2) Embedded_External(3) Embedded_Integrated(4) Integrated_BSA(5)).
radwllMilOduAirAntennaGain	1.3.6.1.4.1.4458.1000.1.5.42	Integer	RW	Current Antenna Gain in 0.1 dBi resolution. User defined value for external antenna. Legal range: MinAntennaGain< AntennaGain< MaxAntennaGain.

Table 3. SU Private MIB Parameters (Sheet 27 of 46)

Name	OID	Type	Access	Description
radwllMilOduAirAntennaGainConfigSupport	1.3.6.1.4.1.4458.1000.1.5.47	Integer	RO	Antenna Gain Configurability options are product specific: supported not supported.
radwllMilOduAirAntennaTemperatureC	1.3.6.1.4.1.4458.1000.1.5.74	Integer	RO	Antenna Temperature (C)
radwllMilOduAirAntennaType	1.3.6.1.4.1.4458.1000.1.5.48	Integer	RW	External Antenna Type: Monopolar or Bipolar.
radwllMilOduAirAttachedAntennaIndication			RO	Attached Antenna connection type (undefined(1) integrated(2) attached(3)).
radwllMilOduAirAutoChannelSelectionState	1.3.6.1.4.1.4458.1000.1.5.20	Integer	RO	Deprecated parameter. Indicating Automatic Channel Selection availability at current channel bandwidth. Valid values: disabled (0) enabled (1).
radwllMilOduAirBadFrames	1.3.6.1.4.1.4458.1000.1.5.9.3	Counter	RO	Total number of received radio frames with CRC error. The value is relevant only for point to point systems .
radwllMilOduAirCapacityDirection			RW	Capacity direction of the site.
radwllMilOduAirChainsRxPower			RO	Received Signal Strength of Cpe chains in dBm. Chain 1 RSS: (1 Byte) Chain 2 RSS: (1 Byte) Chain 3 RSS: (1 Byte)
radwllMilOduAirChannelBandwidth	1.3.6.1.4.1.4458.1000.1.5.24	Integer	RW	Channel bandwidth in KHz. A change is effective after reset.
radwllMilOduAirChannelBWAvail	1.3.6.1.4.1.4458.1000.1.5.25.1.2	Integer	RO	Channel Bandwidth availability product specific. Options are: Not supported supported with manual channel selection supported with Automatic Channel Selection.
radwllMilOduAirChannelBWEntry			N/A	Channel Bandwidth table entry. INDEX { radwllMilOduAirChannelBWIndex }
radwllMilOduAirChannelBWHSSATDDConflictPerCBW	1.3.6.1.4.1.4458.1000.1.5.25.1.4	Integer	RO	Indication for possible Link drop per CBW due to conflict between HSS and ATDD.
radwllMilOduAirChannelBWIndex	1.3.6.1.4.1.4458.1000.1.5.25.1.1	Integer	RO	Channel Bandwidth index.
radwllMilOduAirChannelBWMaxRatioForSupporting	1.3.6.1.4.1.4458.1000.1.5.25.1.6	Integer	RO	Maximal TX ratio that may be used by the HSM and still enable proper operation of the aforementioned CBW.
radwllMilOduAirChannelBWMinRatioForSupporting	1.3.6.1.4.1.4458.1000.1.5.25.1.5	Integer	RO	Minimal TX ratio that may be used by the HSM and still enable proper operation of the aforementioned CBW.
radwllMilOduAirChannelBWTable			N/A	Channel Bandwidths table.
radwllMilOduAirChannelsAdminState	1.3.6.1.4.1.4458.1000.1.5.25.1.3	DisplayString	RO	Channels' availability per CBW.
radwllMilOduAirChannelsAvail			RO	Channel state. Product specific and cannot be changed by the user. Automatic Channel Selection uses channels that are AirChannelsOperState enabled and AirChannelsAvail enabled. Valid values: disabled (0) enabled (1).
radwllMilOduAirChannelsDefaultFreq			RO	Default channel's availability for all CBWs. The valid values are: forbidden (0) available (1).

Table 3. SU Private MIB Parameters (Sheet 28 of 46)

Name	OID	Type	Access	Description
radwllMilOduAirChannelsDefaultFreqStr	1.3.6.1.4.1.4458.1000.1.5.63	DisplayString	RO	A string representing the channels available. Each character represents one frequency when '1' means its available and '0' means its not.
radwllMilOduAirChannelsEntry			N/A	ACS channels table entry. INDEX { radwllMilOduAirChannelsIndex }
radwllMilOduAirChannelsFrequency			RO	Channel frequency in MHz.
radwllMilOduAirChannelsIndex			RO	Channel Index.
radwllMilOduAirChannelsOperState			RW	Channel state. Can be set by the user. Automatic Channel Selection uses channels that are AirChannelsOperState enabled and AirChannelsAvail enabled. A change is effective after link re-synchronization. Valid values: disabled (0) enabled (1). Rewriteable only in Point-To-Point products.
radwllMilOduAirChannelsTable			N/A	Table of channels used by automatic channels selection (ACS).
radwllMilOduAirChipMinMaxFreq	1.3.6.1.4.1.4458.1000.1.5.56.6	DisplayString	RO	The minimum and maximum frequencies in MHz which the chip supports.
radwllMilOduAirComboBandsCompressed	1.3.6.1.4.1.4458.1000.1.5.53.6.1.2	OctetString	RO	Represents the Compressed Bands information.
radwllMilOduAirComboBandsCompressedEntry			N/A	ODU Compressed Bands information Table entry. INDEX { radwllMilOduAirComboBandsCompressedIndex }
radwllMilOduAirComboBandsCompressedIndex	1.3.6.1.4.1.4458.1000.1.5.53.6.1.1	Integer	RO	ODU Compressed Bands information table index.
radwllMilOduAirComboBandsCompressedTable			N/A	ODU Compressed Bands information Table.
radwllMilOduAirComboCurrentFrequencyBandID	1.3.6.1.4.1.4458.1000.1.5.53.5	Integer	RO	Current Frequency Band Id Number.
radwllMilOduAirComboCurrentSubBandDesc	1.3.6.1.4.1.4458.1000.1.5.53.4	DisplayString	RO	Current Sub Band description.
radwllMilOduAirComboFrequencyBandId	1.3.6.1.4.1.4458.1000.1.5.53.1.1.7	Integer	RO	Reflects the frequency band Id.
radwllMilOduAirComboNumberOfSubBands	1.3.6.1.4.1.4458.1000.1.5.53.2	Integer	RO	Represents the number of Multi-band sub bands.
radwllMilOduAirComboSubBandAdminState	1.3.6.1.4.1.4458.1000.1.5.53.1.1.5	Integer	RO	Represents the Multi-band sub band administrative state.
radwllMilOduAirComboSubBandAllowableChannels	1.3.6.1.4.1.4458.1000.1.5.53.1.1.12	DisplayString	RO	Reflects the allowable channels vector.
radwllMilOduAirComboSubBandChannelBandwidth	1.3.6.1.4.1.4458.1000.1.5.53.1.1.14	Integer	RO	Reflects the sub-band default channel bandwidth.
radwllMilOduAirComboSubBandChannelBW10AdminState	1.3.6.1.4.1.4458.1000.1.5.53.1.1.9	DisplayString	RO	Reflects the CBW 10MHz admin state vector.
radwllMilOduAirComboSubBandChannelBW14AdminState	1.3.6.1.4.1.4458.1000.1.5.53.1.1.22	DisplayString	RO	Reflects the CBW 80MHz admin state vector.
radwllMilOduAirComboSubBandChannelBW20AdminState	1.3.6.1.4.1.4458.1000.1.5.53.1.1.10	DisplayString	RO	Reflects the CBW 20MHz admin state vector.
radwllMilOduAirComboSubBandChannelBW40AdminState	1.3.6.1.4.1.4458.1000.1.5.53.1.1.11	DisplayString	RO	Reflects the CBW 40MHz admin state vector.

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Name	OID	Type	Access	Description
radwllMilOduAirComboSubBandChannelBW5AdminState	1.3.6.1.4.1.4458.1000.1.5.53.1.1.8	DisplayString	RO	Reflects the CBW 5MHz admin state vector.
radwllMilOduAirComboSubBandChannelBW7AdminState	1.3.6.1.4.1.4458.1000.1.5.53.1.1.21	DisplayString	RO	Reflects the CBW 7MHz admin state vector.
radwllMilOduAirComboSubBandChannelBW80AdminState	1.3.6.1.4.1.4458.1000.1.5.53.1.1.20	DisplayString	RO	Reflects the CBW 80MHz admin state vector.
radwllMilOduAirComboSubBandChannelBWAvail	1.3.6.1.4.1.4458.1000.1.5.53.1.1.13	DisplayString	RO	Reflects the available CBWs vector.
radwllMilOduAirComboSubBandDefaultChannelList	1.3.6.1.4.1.4458.1000.1.5.53.1.1.18	DisplayString	RO	Reflects the default channel list vector.
radwllMilOduAirComboSubBandDescription	1.3.6.1.4.1.4458.1000.1.5.53.1.1.3	DisplayString	RO	Multi-band sub band description.
radwllMilOduAirComboSubBandEntry			N/A	ODU Multi-band Sub Bands Table entry. INDEX { radwllMilOduAirComboSubBandIndex }
radwllMilOduAirComboSubBandFrequencyResolution	1.3.6.1.4.1.4458.1000.1.5.53.1.1.17	Integer	RO	Reflects the sub-band frequency resolution.
radwllMilOduAirComboSubBandId	1.3.6.1.4.1.4458.1000.1.5.53.1.1.2	DisplayString	RO	Represents the Multi-band sub band ID.
radwllMilOduAirComboSubBandIndex	1.3.6.1.4.1.4458.1000.1.5.53.1.1.1	Integer	RO	ODU Multi-band sub bands table index.
radwllMilOduAirComboSubBandInstallationAllowed	1.3.6.1.4.1.4458.1000.1.5.53.1.1.6	Integer	RO	Reflects if the Multi-band sub band allowes installtion.
radwllMilOduAirComboSubBandInstallFreq	1.3.6.1.4.1.4458.1000.1.5.53.1.1.4	Integer	RO	Represents the Multi-band sub band installation frequency in KHz.
radwllMilOduAirComboSubBandMaxFreq	1.3.6.1.4.1.4458.1000.1.5.53.1.1.16	Integer	RO	Reflects the sub-band default maximal frequency.
radwllMilOduAirComboSubBandMinFreq	1.3.6.1.4.1.4458.1000.1.5.53.1.1.15	Integer	RO	Reflects the sub-band default minimal frequency.
radwllMilOduAirComboSubBandTable			N/A	ODU Multi-band Sub Bands Table.
radwllMilOduAirComboSwitchSubBand	1.3.6.1.4.1.4458.1000.1.5.53.3	DisplayString	RW	Switch sub band operation with a given sub band ID. The get operation retrieves the current sub band ID.
radwllMilOduAirCurrentFreq	1.3.6.1.4.1.4458.1000.1.5.16	Integer	RO	Current Center Frequency. Measured in MHz if center frequency resolution value < 100 otherwise in KHz.
radwllMilOduAirCurrentManualAngle	1.3.6.1.4.1.4458.1000.1.5.72	Integer	RO	Absolute (manual) angle (Deg.) of the unit.
radwllMilOduAirCurrentManualElevAngle	1.3.6.1.4.1.4458.1000.1.5.73	Integer	RO	Absolute Elevation angle (Deg.) of the unit.
radwllMilOduAirCurrentNetMasterTxRatio	1.3.6.1.4.1.4458.1000.1.5.60.2	Integer	RO	Represents the actual Net Master Tx RAtio.
radwllMilOduAirCurrentRate	1.3.6.1.4.1.4458.1000.1.5.9.4	Integer	RO	Deprecated parameter. Actual rate of the air interface in Mbps. For Channel Bandwidth of 20 10 5 MHz divide the value by 1 2 4 respectively.
radwllMilOduAirCurrentRateCBW			RO	CBW of current air rate.
radwllMilOduAirCurrentRateGI			RO	GI of current air rate.
radwllMilOduAirCurrentRateIdx	1.3.6.1.4.1.4458.1000.1.5.9.5	Integer	RO	Index of current air rate.

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Name	OID	Type	Access	Description
radwllMilOduAirCurrentTxPower	1.3.6.1.4.1.4458.1000.1.5.12	Integer	RO	Current Transmit Power in dBm. This is a nominal value while the actual transmit power includes additional attenuation.
radwllMilOduAirDesiredNetMasterTxRatio	1.3.6.1.4.1.4458.1000.1.5.60.1	Integer	RW	This parameter is reserved to the element manager provided with the product.
radwllMilOduAirDesiredRate	1.3.6.1.4.1.4458.1000.1.5.2	Integer	RW	Deprecated parameter actual behavior is read-only. Required Air Rate. For Channel Bandwidth of 20 10 5 MHz divide the value by 1 2 4 respectively.
radwllMilOduAirDesiredRateIdx	1.3.6.1.4.1.4458.1000.1.5.28	Integer	RW	Required Air Rate index. 0 reserved for Adaptive Rate. A change is effective immediately after Set operation to the master side while the link is up.
radwllMilOduAirDistStr	1.3.6.1.4.1.4458.1000.1.5.62	DisplayString	RO	Possibilities of the link according to RFP and CBW
radwllMilOduAirDualAntTxMode	1.3.6.1.4.1.4458.1000.1.5.58	Integer	RW	Description: Transmission type when using Dual radios (MIMO or AdvancedDiversity using one stream of data).
radwllMilOduAirEnableTxPower	1.3.6.1.4.1.4458.1000.1.5.21	Integer	RO	Indicating Transmit power configuration enabled or disabled.
radwllMilOduAirFeederLoss	1.3.6.1.4.1.4458.1000.1.5.43	Integer	RW	Current Feeder Loss in 0.1 dBm resolution. User defined value for external antenna.
radwllMilOduAirFreq	1.3.6.1.4.1.4458.1000.1.5.1	Integer	RW	Installation Center Frequency. Valid values are product dependent. A change is effective after link re-synchronization.
radwllMilOduAirFreqResolution	1.3.6.1.4.1.4458.1000.1.5.15	Integer	RO	Center Frequency resolution. Measured in MHz if value < 100 otherwise in KHz.
radwllMilOduAirGeoLocation	1.3.6.1.4.1.4458.1000.1.5.69	DisplayString	RW	Geographic device location in format: latitude longitude.
radwllMilOduAirGPSAntennaType	1.3.6.1.4.1.4458.1000.1.5.75	Integer	RW	GPS Antenna type.
radwllMilOduAirHssAltitude	1.3.6.1.4.1.4458.1000.1.5.40.16	DisplayString	RO	Hub Site Synchronization GPS Altitude
radwllMilOduAirHssAssociatedCUDescription			RO	Holds Associated Ethernet HSS Clients Description in compress format: IP Delay Compatibility Ethernet Speed Ethernet Rx rate IPv6
radwllMilOduAirHssAssociatedCUIndex			RO	Associated Ethernet HSS Clients Table Index. Releant for Ethernet HSS Masters only.
radwllMilOduAirHssAssociatedCUTable			N/A	Associated Ethernet HSS Clients Table. Releant for Ethernet HSS Masters only.
radwllMilOduAirHssAssociatedCUTableEntry			N/A	Associated Ethernet HSS Clients Table Entry. Releant for Ethernet HSS Masters only. INDEX { radwllMilOduAirHssAssociatedCUIndex }
radwllMilOduAirHssCurrentOpState	1.3.6.1.4.1.4458.1000.1.5.40.2	Integer	RO	Current Hub Site Synchronization operating state.
radwllMilOduAirHssDelayToHSM	1.3.6.1.4.1.4458.1000.1.5.40.33	Integer	RO	Delay in microseconds to HSM. Relevant for HSC synchronized over Ethernet.

Table 3. SU Private MIB Parameters (Sheet 31 of 46)

Name	OID	Type	Access	Description
radwllMilOduAirHssDesiredExtPulseType	1.3.6.1.4.1.4458.1000.1.5.40.6	Integer	RW	Hub Site Synchronization required external pulse type. Valid values for read write: {typeA(2) typeB(3) typeC(4) typeD(5) typeE(6) typeF(7)}. Valid value for read only: {notApplicable(1)}.
radwllMilOduAirHssDesiredOpState	1.3.6.1.4.1.4458.1000.1.5.40.1	Integer	RW	Required Hub Site Synchronization operating state. For HssSyncUnits : For hssISU :[2 7] For hssGSU :[2 6] For HBS: [2 3 4 5]
radwllMilOduAirHssDesiredSynchronizationProtocol	1.3.6.1.4.1.4458.1000.1.5.40.23	Integer	RW	Desired Synchronization Protocols
radwllMilOduAirHssDiscover	1.3.6.1.4.1.4458.1000.1.5.40.24	Integer	RW	Initiate Discovery process of ODUs on the network.
radwllMilOduAirHssDiscoverEntry			N/A	ODU Discover Table entry. INDEX { radwllMilOduAirHssDiscoverIndex }
radwllMilOduAirHssDiscoverIndex			RO	HSS Discover Table Index.
radwllMilOduAirHssDiscoverODUDescription			RO	Hold ODU HSS status in compress format: Domain IP HSS Role Hss support Enabled HSS protocol Sync Status Location IPv6.
radwllMilOduAirHssDiscoverTable			N/A	HSS Discover Table.
radwllMilOduAirHssDomainID	1.3.6.1.4.1.4458.1000.1.5.40.21	DisplayString	RW	EHSS domain. Indentify set of CUs with same HSS synchronization
radwllMilOduAirHssEthVLANTag	1.3.6.1.4.1.4458.1000.1.5.40.31	Integer	RW	Ethernet HSS VLan Tag: The least significate decimal digit is the VLan Priority(0-6) and the rest of the digits represents VLan ID (2-4094)
radwllMilOduAirHssEWIndicator	1.3.6.1.4.1.4458.1000.1.5.40.14	DisplayString	RO	Hub Site Synchronization GPS E/W Indicator
radwllMilOduAirHssExtPulseStatus	1.3.6.1.4.1.4458.1000.1.5.40.4	Integer	RO	Hub Site Synchronization external pulse detection status. In GSS mode: if generating then 1PSP is auto generated by the GSS Unit. if generatingAndDetecting then 1PSP is generated by GPS satellites signal.
radwllMilOduAirHssExtPulseType	1.3.6.1.4.1.4458.1000.1.5.40.5	Integer	RO	Hub Site Synchronization external pulse type.
radwllMilOduAirHssHsmID	1.3.6.1.4.1.4458.1000.1.5.40.9	Integer	RO	A unique ID which is common to the HSM and all its collocated ODUs
radwllMilOduAirHssHSMIPAddress	1.3.6.1.4.1.4458.1000.1.5.40.32	IPAddress	RO	HSMs IP address. Relevant for HSC synchronized over Ethernet.
radwllMilOduAirHssHSMIPv6Address	1.3.6.1.4.1.4458.1000.1.5.40.35	DisplayString	RO	HSMs IPv6 address. Relevant for HSC synchronized over Ethernet.
radwllMilOduAirHssInterSiteSynchronizationAvailability	1.3.6.1.4.1.4458.1000.1.5.40.19	Integer	RO	Inter-Site Synchronization Availability
radwllMilOduAirHssInterSiteSynchronizationMode	1.3.6.1.4.1.4458.1000.1.5.40.18	Integer	RW	Inter-Site Synchronization Mode - independent / synchronized
radwllMilOduAirHssLatitude	1.3.6.1.4.1.4458.1000.1.5.40.11	DisplayString	RO	Hub Site Synchronization GPS Latitude
radwllMilOduAirHssLongitude	1.3.6.1.4.1.4458.1000.1.5.40.13	DisplayString	RO	Hub Site Synchronization GPS Longitude
radwllMilOduAirHssMasterSlaveCompatibility	1.3.6.1.4.1.4458.1000.1.5.40.27	Integer	RO	EHSM version compatibility. Relevant to Ethernet HSS Clients only.

Table 3. SU Private MIB Parameters (Sheet 32 of 46)

Name	OID	Type	Access	Description
radwllMilOduAirHssNSIndicator	1.3.6.1.4.1.4458.1000.1.5.40.12	DisplayString	RO	Hub Site Synchronization GPS N/S Indicator
radwllMilOduAirHssNumberOfAssociatedCU	1.3.6.1.4.1.4458.1000.1.5.40.28	Integer	RO	Number of associated Ethernet HSS Clients. Relevant to Ethernet HSS Masters only
radwllMilOduAirHssNumberOfDiscoveredODUs	1.3.6.1.4.1.4458.1000.1.5.40.25	Integer	RO	Number OF Discovered ODUs in network.
radwllMilOduAirHssNumSatellites	1.3.6.1.4.1.4458.1000.1.5.40.15	DisplayString	RO	Hub Site Synchronization GPS Number of satellites
radwllMilOduAirHssRfpEntry			N/A	ODU RFP Table entry. INDEX { radwllMilOduAirHssRfpIndex }
radwllMilOduAirHssRfpEthChannelBW10MHz	1.3.6.1.4.1.4458.1000.1.5.40.7.1.4	Integer	RO	Represents the compatibility of Ethernet service under Channel BW of 10MHz in the specific Radio Frame Pattern.
radwllMilOduAirHssRfpEthChannelBW14MHz	1.3.6.1.4.1.4458.1000.1.5.40.7.1.12	Integer	RO	Represents the compatibility of Ethernet service under Channel BW of 14MHz in the specific Radio Frame Pattern.
radwllMilOduAirHssRfpEthChannelBW20MHz	1.3.6.1.4.1.4458.1000.1.5.40.7.1.6	Integer	RO	Represents the compatibility of Ethernet service under Channel BW of 20MHz in the specific Radio Frame Pattern.
radwllMilOduAirHssRfpEthChannelBW40MHz	1.3.6.1.4.1.4458.1000.1.5.40.7.1.8	Integer	RO	Represents the compatibility of Ethernet service under Channel BW of 40MHz in the specific Radio Frame Pattern.
radwllMilOduAirHssRfpEthChannelBW5MHz	1.3.6.1.4.1.4458.1000.1.5.40.7.1.2	Integer	RO	Represents the compatibility of Ethernet service under Channel BW of 5MHz in the specific Radio Frame Pattern.
radwllMilOduAirHssRfpEthChannelBW7MHz	1.3.6.1.4.1.4458.1000.1.5.40.7.1.11	Integer	RO	Represents the compatibility of Ethernet service under Channel BW of 7MHz in the specific Radio Frame Pattern.
radwllMilOduAirHssRfpEthChannelBW80MHz	1.3.6.1.4.1.4458.1000.1.5.40.7.1.10	Integer	RO	Represents the compatibility of Ethernet service under Channel BW of 80MHz in the specific Radio Frame Pattern.
radwllMilOduAirHssRfpIndex	1.3.6.1.4.1.4458.1000.1.5.40.7.1.1	Integer	RO	ODU RFP Table index. The index represent the Radio Frame Pattern: typeA(2) typeB(3) typeC(4) typeD(5) typeE(6) typeF(7).
radwllMilOduAirHssRfpPhase	1.3.6.1.4.1.4458.1000.1.5.40.17	Integer	RW	Hub Site Synchronization GPS RFP phase
radwllMilOduAirHssRfpStr	1.3.6.1.4.1.4458.1000.1.5.40.8	DisplayString	RO	Hub Site Synchronization supported patterns
radwllMilOduAirHssRfpTable			N/A	ODU Radio Frame Patterns (RFP) Table.
radwllMilOduAirHssRfpTdmChannelBW10MHz			RO	Represents the compatibility of TDM service under Channel BW of 10MHz in the specific Radio Frame Pattern.
radwllMilOduAirHssRfpTdmChannelBW20MHz			RO	Represents the compatibility of TDM service under Channel BW of 20MHz in the specific Radio Frame Pattern.
radwllMilOduAirHssRfpTdmChannelBW40MHz			RO	Represents the compatibility of TDM service under Channel BW of 40MHz in the specific Radio Frame Pattern.
radwllMilOduAirHssRfpTdmChannelBW5MHz			RO	Represents the compatibility of TDM service under Channel BW of 5MHz in the specific Radio Frame Pattern.

Table 3. SU Private MIB Parameters (Sheet 33 of 46)

Name	OID	Type	Access	Description
radwllMilOduAirHssSatellitesSatSyncRequired			RW	Satellites Synchronization Is Required
radwllMilOduAirHssSupportedSynchronizationProtocol	1.3.6.1.4.1.4458.1000.1.5.40.22	Integer	RO	Supported Synchronization Protocols
radwllMilOduAirHssSyncAcquisitionSeconds	1.3.6.1.4.1.4458.1000.1.5.40.34	Integer	RW	Accumulated quantity of seconds in clock acquisition while connected to current HSM
radwllMilOduAirHssSyncStatus	1.3.6.1.4.1.4458.1000.1.5.40.3	Integer	RO	Hub Site Synchronization sync status.
radwllMilOduAirHssSyncStatusEth	1.3.6.1.4.1.4458.1000.1.5.40.30	Integer	RO	Ethernet HSS Client Synchronization Level
radwllMilOduAirHssTcMode			RW	TC Mode
radwllMilOduAirHssTime	1.3.6.1.4.1.4458.1000.1.5.40.10	DisplayString	RO	Hub Site Synchronization GPS time
radwllMilOduAirInstallFreqAndCBW	1.3.6.1.4.1.4458.1000.1.5.51	DisplayString	RW	Installation frequency Channel BW. Relevant in point to point systems.
radwllMilOduAirInternalMaxRate	1.3.6.1.4.1.4458.1000.1.5.54	Integer	RO	Max Ethernet throughput of the site (in Kpbs).
radwllMilOduAirLinkDistance	1.3.6.1.4.1.4458.1000.1.5.29	Integer	RO	Link distance in meters. A value of -1 indicates an illegal value and is also used when a link is not established.
radwllMilOduAirLinkWorkingMode	1.3.6.1.4.1.4458.1000.1.5.30	Integer	RO	Link working mode as a result of comparing versions of both sides of the link. Possible modes are: Unknown - no link Normal - versions on both sides are identical with full compatibility with restricted compatibility or versions on both sides are different with software upgrade or versions incompatibility.
radwllMilOduAirLockRemote	1.3.6.1.4.1.4458.1000.1.5.41	Integer	RW	This parameter enables locking the link with a specific ODU. The following values can be set: Unlock (default) - The ODU is not locked on a specific remote ODU. Unlock can only be performed when the link is not connected. Lock - The ODU is locked on a specific remote ODU. Lock can only be performed when the link is active.
radwllMilOduAirMajorLinkIfVersion	1.3.6.1.4.1.4458.1000.1.5.31	Integer	RO	Major link interface version
radwllMilOduAirMaxAntennaGain	1.3.6.1.4.1.4458.1000.1.5.44	Integer	RO	Maximum allowed Antenna Gain in 0.1 dBi resolution.
radwllMilOduAirMaxEIRP	1.3.6.1.4.1.4458.1000.1.5.46	Integer	RO	Maximum EIRP value as defined by regulation in 0.1 dBm resolution.
radwllMilOduAirMaxFrequency	1.3.6.1.4.1.4458.1000.1.5.14	Integer	RO	Maximum center frequency in MHz.
radwllMilOduAirMaxTxPower	1.3.6.1.4.1.4458.1000.1.5.23.1.2	Integer	RO	Maximum Transmit power in dBm.
radwllMilOduAirMaxTxPowerEntry			N/A	Maximum Transmit power table entry. INDEX { radwllMilOduAirMaxTxPowerIndex }
radwllMilOduAirMaxTxPowerIndex	1.3.6.1.4.1.4458.1000.1.5.23.1.1	Integer	RO	Air interface rate index.

Table 3. SU Private MIB Parameters (Sheet 34 of 46)

Name	OID	Type	Access	Description
radwllMilOduAirMaxTxPowerTable			N/A	Table of Maximum transmit power per air rate in dBm.
radwllMilOduAirMaxUsableMasterTxRatio	1.3.6.1.4.1.4458.1000.1.5.60.4	Integer	RO	Represents the maximal value the user can configure for Desired net mAster Tx Ratio.
radwllMilOduAirMinAntennaGain	1.3.6.1.4.1.4458.1000.1.5.45	Integer	RO	Minimum allowed Antenna Gain in 0.1 dBi resolution.
radwllMilOduAirMinFrequency	1.3.6.1.4.1.4458.1000.1.5.13	Integer	RO	Minimum center frequency in MHz.
radwllMilOduAirMinorLinkIfVersion	1.3.6.1.4.1.4458.1000.1.5.32	Integer	RO	Minor link interface version
radwllMilOduAirMinTxPower	1.3.6.1.4.1.4458.1000.1.5.22	Integer	RO	Minimum Transmit power in dBm.
radwllMilOduAirMinUsableMasterTxRatio	1.3.6.1.4.1.4458.1000.1.5.60.3	Integer	RO	Represents the minimal value the user can configure for Desired net mAster Tx Ratio.
radwllMilOduAirMstrSlv	1.3.6.1.4.1.4458.1000.1.5.6	Integer	RO	This parameter indicates if the device was automatically selected into the radio link master or slave. The value is undefined if there is no link. The value is relevant only for point to point systems.
radwllMilOduAirNumberOfChannels	1.3.6.1.4.1.4458.1000.1.5.17	Integer	RO	Number of channels that can be used.
radwllMilOduAirNumberOfSpectrumChannels	1.3.6.1.4.1.4458.1000.1.5.56.4	Integer	RO	Represents the number of Spectrum Channels.
radwllMilOduAirPreferredChannelsStr			RW	A string representing the preferred channels. Each character represents one channel when '1' means its preferred and '0' means its not.
radwllMilOduAirRatesAvail			RO	Air Rate availability depending on air interface conditions.
radwllMilOduAirRatesEntry			N/A	Air Rate indexes table entry. INDEX { radwllMilOduAirRatesIndex }
radwllMilOduAirRatesIndex			RO	Air Rate index.
radwllMilOduAirRatesTable			N/A	Air Rate indexes table for current channel bandwidth.
radwllMilOduAirResync	1.3.6.1.4.1.4458.1000.1.5.8	Integer	RW	Setting this parameter to 1 will cause the link to restart the synchronization process.
radwllMilOduAirRFD	1.3.6.1.4.1.4458.1000.1.5.26	Integer	RO	Current radio frame duration in microseconds.
radwllMilOduAirRssBalance	1.3.6.1.4.1.4458.1000.1.5.49	Integer	RO	RSS balance. Relation between RSS in radio 1 and RSS in radio 2. -2 : Radio 2 RSS is much stronger than Radio 1 RSS. -1 : Radio 2 RSS is stronger than Radio 1 RSS. -0 : Radio 2 RSS is equal to Radio 1 RSS. 1 : Radio 1 RSS is stronger than Radio 2 RSS. 2 : Radio 1 RSS is much stronger than Radio 2 RSS.
radwllMilOduAirRxPower	1.3.6.1.4.1.4458.1000.1.5.9.1	Integer	RO	Received Signal Strength in dBm. Relevant only for point to point systems.
radwllMilOduAirRxPowerAntennaA	1.3.6.1.4.1.4458.1000.1.5.56.2	Integer	RO	Received Signal Strength in dBm of Antenna A.

Table 3. SU Private MIB Parameters (Sheet 35 of 46)

Name	OID	Type	Access	Description
radwllMilOduAirRxPowerAntennaB	1.3.6.1.4.1.4458.1000.1.5.56.3	Integer	RO	Received Signal Strength in dBm of Antenna B.
radwllMilOduAirSesState	1.3.6.1.4.1.4458.1000.1.5.5	Integer	RO	Current Link State. The value is active (3) during normal operation.
radwllMilOduAirSpectrumAnalysisOperState	1.3.6.1.4.1.4458.1000.1.5.56.1	Integer	RW	Spectrum Analysis operation state. The configurable values are Spectrum Analysis Stop Start and Restart. Not Supported value indicates that the feature is not supported on the device. Not Supported is not a configurable state.
radwllMilOduAirSpectrumAnalysisTimeout			RW	Spectrum analysis timeout in seconds.
radwllMilOduAirSpectrumChannelAvailable	1.3.6.1.4.1.4458.1000.1.5.56.5.1.15	Integer	RO	read-only
radwllMilOduAirSpectrumChannelAverageNFAntennaA	1.3.6.1.4.1.4458.1000.1.5.56.5.1.7	Integer	RO	Average normalized Noise Floor value in dBm - of Antenna A - over all dwells.
radwllMilOduAirSpectrumChannelAverageNFAntennaB	1.3.6.1.4.1.4458.1000.1.5.56.5.1.8	Integer	RO	Average normalized Noise Floor value in dBm - of Antenna B - over all dwells.
radwllMilOduAirSpectrumChannelCACPerformed	1.3.6.1.4.1.4458.1000.1.5.56.5.1.11	Integer	RO	read-only
radwllMilOduAirSpectrumChannelCompressed	1.3.6.1.4.1.4458.1000.1.5.56.5.1.17	OctetString	RO	Compress all the Spectrum data per channel into one variable. Frequency (4 bytes) Scanned (1 byte) Timestamp (4 bytes) Last NF Antenna A (1 byte) Last NF Antenna B (1 byte) Avg NF Antenna A (1 byte) Avg NF Antenna B (1 byte) Max NF Antenna A (1 byte) Max NF Antenna B (1 byte) CAC Performed (1 byte) Last CAC Timestamp (4 bytes) Radar Detected (1 byte) Radar Detected Timestamp (4 bytes) Channel Available (1 byte) Max Beacon RSS (1 byte).
radwllMilOduAirSpectrumChannelFrequency	1.3.6.1.4.1.4458.1000.1.5.56.5.1.2	Integer	RO	ODU Spectrum Channel frequency in MHz.
radwllMilOduAirSpectrumChannelIndex	1.3.6.1.4.1.4458.1000.1.5.56.5.1.1	Integer	RO	ODU Spectrum Channel index.
radwllMilOduAirSpectrumChannelLastCACTimestamp	1.3.6.1.4.1.4458.1000.1.5.56.5.1.12	TimeTicks	RO	Last CAC performed timestamp in hundredths of a second since device up time. If no CAC has performed on the channel the return value will be 0.
radwllMilOduAirSpectrumChannelLastNFAntennaA	1.3.6.1.4.1.4458.1000.1.5.56.5.1.5	Integer	RO	Normalized Noise Floor value in dBm - of Antenna A - (including 2 neighbor frequencies).
radwllMilOduAirSpectrumChannelLastNFAntennaB	1.3.6.1.4.1.4458.1000.1.5.56.5.1.6	Integer	RO	Normalized Noise Floor value in dBm - of Antenna B - (including 2 neighbor frequencies).
radwllMilOduAirSpectrumChannelMaxBeaconRss	1.3.6.1.4.1.4458.1000.1.5.56.5.1.16	Integer	RO	The max RSS value of a received beacon on the specific channel in dBm.
radwllMilOduAirSpectrumChannelMaxNFAntennaA	1.3.6.1.4.1.4458.1000.1.5.56.5.1.9	Integer	RO	Max normalized Noise Floor value in dBm - of Antenna A - over all dwells.
radwllMilOduAirSpectrumChannelMaxNFAntennaB	1.3.6.1.4.1.4458.1000.1.5.56.5.1.10	Integer	RO	Max normalized Noise Floor value in dBm - of Antenna B - over all dwells.
radwllMilOduAirSpectrumChannelRadarDetected	1.3.6.1.4.1.4458.1000.1.5.56.5.1.13	Integer	RO	read-only

Table 3. SU Private MIB Parameters (Sheet 36 of 46)

Name	OID	Type	Access	Description
radwllMilOduAirSpectrumChannelRadarDetectionTimestamp	1.3.6.1.4.1.4458.1000.1.5.56.5.1.14	TimeTicks	RO	Last Radar Detection timestamp in hundredths of a second since device up time. If no Radar has detected on the channel the return value will be 0.
radwllMilOduAirSpectrumChannelScanned	1.3.6.1.4.1.4458.1000.1.5.56.5.1.3	Integer	RO	read-only
radwllMilOduAirSpectrumChannelScanningTimestamp	1.3.6.1.4.1.4458.1000.1.5.56.5.1.4	TimeTicks	RO	Channel last scan timestamp in hundredths of a second since device up time. If the channel was not scanned than the return value will be 0.
radwllMilOduAirSpectrumChannelTable			N/A	ODU Spectrum Analysis Channel Table.
radwllMilOduAirSpectrumChannelTableEntry			N/A	ODU Spectrum Analysis Channel Table entry. INDEX { radwllMilOduAirSpectrumChannelIndex }
radwllMilOduAirSSID	1.3.6.1.4.1.4458.1000.1.5.3	DisplayString	RW	Reserved for the Manager application provided with the product. The Sector ID in Point-To-Multi-Point systems.
radwllMilOduAirSyncLossThreshold			RW	When the current throughput is below this threshold (in Kbps) sync loss will occur.
radwllMilOduAirTotalFrames	1.3.6.1.4.1.4458.1000.1.5.9.2	Counter	RO	Total number of radio frames.
radwllMilOduAirTotalTxPower	1.3.6.1.4.1.4458.1000.1.5.50	Integer	RO	Total Transmit Power in dBm. This is a nominal value While the actual transmit power includes additional attenuation.
radwllMilOduAirTxOperationMode	1.3.6.1.4.1.4458.1000.1.5.59	Integer	RW	This parameter controls the Operation mode of frames sent over the air. The Operation mode is either normal (1) for regular transmission where frame size is determined by the traffic or throughput test (2) when the user requests an actual over the air throughput estimation using full frames. The latter lasts no more than a predetermined interval (default 30 sec).
radwllMilOduAirTxPower	1.3.6.1.4.1.4458.1000.1.5.4	Integer	RW	Required Transmit power in dBm . This is a nominal value while the actual transmit power includes additional attenuation. The min and max values are product specific. A change is effective immediately.
radwllMilOduAirTxPower36	1.3.6.1.4.1.4458.1000.1.5.10	Integer	RW	Deprecated parameter. Actual behavior is read-only.
radwllMilOduAirTxPower48	1.3.6.1.4.1.4458.1000.1.5.11	Integer	RW	Deprecated parameter. Actual behavior is read-only.
radwllMilOduBridgeBaseIfIndex			RO	IfIndex corresponding to ODU Bridge port.
radwllMilOduBridgeBasePortEntry			N/A	ODU Bridge Ports table entry. INDEX { radwllMilOduBridgeBasePortIndex }
radwllMilOduBridgeBasePortIndex			RO	ODU Bridge Port Number.
radwllMilOduBridgeBasePortTable			N/A	ODU Bridge Ports table.
radwllMilOduBridgeConfigMode	1.3.6.1.4.1.4458.1000.1.4.4.102	Integer	RO	ODU bridge configuration mode

Table 3. SU Private MIB Parameters (Sheet 37 of 46)

Name	OID	Type	Access	Description
radwllMilOduBridgeTpMode	1.3.6.1.4.1.4458.1000.1.4.4.101	Integer	RW	ODU bridge mode. A change is effective after reset. Valid values: hubMode (0) bridgeMode (1).
radwllMilOduBridgeTpPortEntry			N/A	ODU Transparent Bridge Ports table entry. INDEX { radwllMilOduBridgeTpPortIndex }
radwllMilOduBridgeTpPortInBytes	1.3.6.1.4.1.4458.1000.1.4.4.3.1.101	Counter	RO	Number of bytes received by this port.
radwllMilOduBridgeTpPortIndex	1.3.6.1.4.1.4458.1000.1.4.4.3.1.1	Integer	RO	ODU Transparent Bridge Port Number.
radwllMilOduBridgeTpPortInFrames	1.3.6.1.4.1.4458.1000.1.4.4.3.1.3	Counter	RO	Number of frames received by this port.
radwllMilOduBridgeTpPortOutBytes	1.3.6.1.4.1.4458.1000.1.4.4.3.1.102	Counter	RO	Number of bytes transmitted by this port.
radwllMilOduBridgeTpPortOutFrames	1.3.6.1.4.1.4458.1000.1.4.4.3.1.4	Counter	RO	Number of frames transmitted by this port.
radwllMilOduBridgeTpPortTable			N/A	ODU Transparent Bridge Ports table.
radwllMilOduBuzzerAdminState	1.3.6.1.4.1.4458.1000.1.1.13	Integer	RW	This parameter controls the activation of the buzzer while the unit is in install mode. A change is effective immediately. The valid values are: disabled (0) enabledAuto (1) enabledConstantly(2) advancedAuto (3).
radwllMilOduDhcpRelayAgent	1.3.6.1.4.1.4458.1000.1.2.7	Integer	RW	DHCP Relay Agent Mode
radwllMilOduDhcpRelayAgentCircuitIdSouirce			RW	DHCP Relay Agent Circuit ID Source
radwllMilOduDhcpRelayAgentRemoteIdSouirce			RW	DHCP Relay Agent Remote ID Source
radwllMilOduEthernetGbeSupported	1.3.6.1.4.1.4458.1000.1.3.4	Integer	RO	read-only
radwllMilOduEthernetIf1588v2PTPEventRXRate	1.3.6.1.4.1.4458.1000.1.3.2.1.9	Integer	RO	For debug use
radwllMilOduEthernetIf1588v2PTPEventTXRate	1.3.6.1.4.1.4458.1000.1.3.2.1.10	Integer	RO	For debug use
radwllMilOduEthernetIfAddress	1.3.6.1.4.1.4458.1000.1.3.2.1.5	DisplayString	RO	ODU MAC address.
radwllMilOduEthernetIfAdminStatus	1.3.6.1.4.1.4458.1000.1.3.2.1.6	Integer	RW	Required state of the interface.
radwllMilOduEthernetIfEntry			N/A	ODU Ethernet Interface table entry. INDEX { radwllMilOduEthernetIfIndex }
radwllMilOduEthernetIfFailAction	1.3.6.1.4.1.4458.1000.1.3.2.1.8	Integer	RW	Failure action of the interface.
radwllMilOduEthernetIfIndex	1.3.6.1.4.1.4458.1000.1.3.2.1.1	Integer	RO	ODU Ethernet Interface Index.
radwllMilOduEthernetIfOperStatus	1.3.6.1.4.1.4458.1000.1.3.2.1.7	Integer	RO	Current operational state of the interface.
radwllMilOduEthernetIfTable			N/A	ODU Ethernet Interface table.
radwllMilOduEthernetNumOfPorts	1.3.6.1.4.1.4458.1000.1.3.3	Integer	RO	Number of ODU network interfaces.
radwllMilOduEthernetRemainingRate	1.3.6.1.4.1.4458.1000.1.3.1	Integer	RO	Current Ethernet bandwidth in bps.

Table 3. SU Private MIB Parameters (Sheet 38 of 46)

Name	OID	Type	Access	Description
radwllMilOduEthernetSfpProperties	1.3.6.1.4.1.4458.1000.1.3.5	DisplayString	RO	Sfp port properties.
radwllMilOduPerfMonAirCurrBBERThresh1Exceed	1.3.6.1.4.1.4458.1000.1.6.4.1.8	Gauge	RO	Number of seconds Background Block Error Ratio exceeded the BBER1 threshold in the last 15 minutes.
radwllMilOduPerfMonAirCurrEntry			N/A	This is an entry in the Current Interval Table. INDEX {ifIndex }
radwllMilOduPerfMonAirCurrMaxRSL	1.3.6.1.4.1.4458.1000.1.6.4.1.2	Integer	RO	Current Max Received Level Reference starting from the present 15 minutes period.
radwllMilOduPerfMonAirCurrMaxTSL	1.3.6.1.4.1.4458.1000.1.6.4.1.6	Integer	RO	Current Max Transmit Signal Level starting from the present 15 minutes period.
radwllMilOduPerfMonAirCurrMinRSL	1.3.6.1.4.1.4458.1000.1.6.4.1.1	Integer	RO	Current Min Received Level Reference starting from the present 15 minutes period.
radwllMilOduPerfMonAirCurrMinTSL	1.3.6.1.4.1.4458.1000.1.6.4.1.5	Integer	RO	Current Min Transmit Signal Level starting from the present 15 minutes period.
radwllMilOduPerfMonAirCurrRSLThresh1Exceed	1.3.6.1.4.1.4458.1000.1.6.4.1.3	Gauge	RO	Number of seconds Receive Signal Level exceeded the RSL1 threshold in the last 15 minutes.
radwllMilOduPerfMonAirCurrRSLThresh2Exceed	1.3.6.1.4.1.4458.1000.1.6.4.1.4	Gauge	RO	Number of seconds Receive Signal Level exceeded the RSL2 threshold in the last 15 minutes.
radwllMilOduPerfMonAirCurrTable			N/A	This table defines/keeps the air counters of the current 15 min interval.
radwllMilOduPerfMonAirCurrTSLThresh1Exceed	1.3.6.1.4.1.4458.1000.1.6.4.1.7	Gauge	RO	Number of seconds Transmit Signal Level exceeded the TSL1 threshold in the last 15 minutes.
radwllMilOduPerfMonAirDayBBERThresh1Exceed			RO	Number of seconds Background Block Error Ratio exceeded the BBER1 threshold per Day.
radwllMilOduPerfMonAirDayEntry			N/A	This is an entry in the Days Table. INDEX {ifIndex radwllMilOduPerfMonAirDayIdx }
radwllMilOduPerfMonAirDayIdx			RO	This table is indexed per Day number. Each Day is of 15 minutes and the oldest is 96.
radwllMilOduPerfMonAirDayMaxRSL			RO	Current Max Received Level Reference per Day.
radwllMilOduPerfMonAirDayMaxTSL			RO	Current Max Transmit Signal Level per Day.
radwllMilOduPerfMonAirDayMinRSL			RO	Current Min Received Level Reference per Day.
radwllMilOduPerfMonAirDayMinTSL			RO	Current Min Transmit Signal Level per Day.
radwllMilOduPerfMonAirDayRSLThresh1Exceed			RO	Number of seconds Receive Signal Level exceeded the RSL1 threshold per Day.
radwllMilOduPerfMonAirDayRSLThresh2Exceed			RO	Number of seconds Receive Signal Level exceeded the RSL2 threshold per Day.
radwllMilOduPerfMonAirDayTable			N/A	This table defines/keeps the air counters of the last month (in resolution of days).
radwllMilOduPerfMonAirDayTSLThresh1Exceed			RO	Number of seconds Transmit Signal Level exceeded the TSL1 threshold per Day.

Table 3. SU Private MIB Parameters (Sheet 39 of 46)

Name	OID	Type	Access	Description
radwllMilOduPerfMonAirIntervalBBERThresh1Exceed			RO	Number of seconds Background Block Error Ratio exceeded the BBER1 threshold per interval.
radwllMilOduPerfMonAirIntervalEntry			N/A	This is an entry in the Interval Table. INDEX {ifIndex radwllMilOduPerfMonAirIntervalIdx }
radwllMilOduPerfMonAirIntervalIdx			RO	This table is indexed per interval number. Each interval is of 15 minutes and the oldest is 96.
radwllMilOduPerfMonAirIntervalMaxRSL			RO	Current Max Received Level Reference per interval.
radwllMilOduPerfMonAirIntervalMaxTSL			RO	Current Max Transmit Signal Level per interval.
radwllMilOduPerfMonAirIntervalMinRSL			RO	Current Min Received Level Reference per interval.
radwllMilOduPerfMonAirIntervalMinTSL			RO	Current Min Transmit Signal Level per interval.
radwllMilOduPerfMonAirIntervalRSLThresh1Exceed			RO	Number of seconds Receive Signal Level exceeded the RSL1 threshold per interval.
radwllMilOduPerfMonAirIntervalRSLThresh2Exceed			RO	Number of seconds Receive Signal Level exceeded the RSL2 threshold ACCESS read-only per interval.
radwllMilOduPerfMonAirIntervalTable			N/A	This table defines/keeps the air counters of the last day (in resolution of 15 min intervals).
radwllMilOduPerfMonAirIntervalTSLThresh1Exceed			RO	Number of seconds Transmit Signal Level exceeded the TSL1 threshold per interval.
radwllMilOduPerfMonBBERThresh1			RW	When the BBER exceeds this threshold a performance monitoring BBER counter is incremented. The units are 1/10 of a percent.
radwllMilOduPerfMonCurrBBE	1.3.6.1.4.1.4458.1000.1.6.1.1.4	Gauge	RO	Current number of Background Block Errors starting from the present 15 minutes period.
radwllMilOduPerfMonCurrCompressed	1.3.6.1.4.1.4458.1000.1.6.1.1.6	OctetString	RO	Holds a compressed string of all data per interface. Compressed Air Interface Structure (size in brackets): UAS (4) ES (4) SES (4) BBE (4) Integrity (1) MinRSL (1) MaxRSL (1) RSLThresh1Exceeded (4) RSLThresh2Exceeded (4) MinTSL (1) MaxTSL (1) TSLThresh1Exceed (4) BBERThresh1Exceed (4) RxMBytes (4) TxMBytes (4) EthCapacityThreshUnder (4) HighTrafficThreshExceed (4) Compressed Etherent ODU interface (size in brackets): UAS (4) ES (4) SES (4) BBE (4) Integrity (1) RxMBytes (4) TxMBytes (4) EthCapacityThreshUnder (4) HighTrafficThreshExceed (4) ActiveSeconds (4)
radwllMilOduPerfMonCurrEntry			N/A	This is an entry in the Current Interval Table. INDEX {ifIndex }

Table 3. SU Private MIB Parameters (Sheet 40 of 46)

Name	OID	Type	Access	Description
radwllMilOduPerfMonCurrES	1.3.6.1.4.1.4458.1000.1.6.1.1.2	Gauge	RO	Current number of Errored Seconds starting from the present 15 minutes period.
radwllMilOduPerfMonCurrIntegrity	1.3.6.1.4.1.4458.1000.1.6.1.1.5	Integer	RO	Indicates the integrity of the entry.
radwllMilOduPerfMonCurrSES	1.3.6.1.4.1.4458.1000.1.6.1.1.3	Gauge	RO	Current number of Severely Errored Seconds starting from the present 15 minutes period.
radwllMilOduPerfMonCurrTable			N/A	This table defines/keeps the counters of the current 15 min interval.
radwllMilOduPerfMonCurrUAS	1.3.6.1.4.1.4458.1000.1.6.1.1.1	Gauge	RO	The current number of Unavailable Seconds starting from the present 15 minutes period.
radwllMilOduPerfMonDayBBE			RO	Current number of Background Block Errors per interval of 24 hours.
radwllMilOduPerfMonDayCompressed			RO	Holds a compressed string of all data per interface. Compressed Air Interface Structure (size in brackets): UAS (4) ES (4) SES (4) BBE (4) Integrity (1) MinRSL (1) MaxRSL (1) RSLThresh1Exceeded (4) RSLThresh2Exceeded (4) MinTSL (1) MaxTSL (1) TSLThresh1Exceed (4) BBERThresh1Exceed (4) RxMBytes (4) TxMBytes (4) EthCapacityThreshUnder (4) HighTrafficThreshExceed (4) Compressed Etherent ODU interface (size in brackets): UAS (4) ES (4) SES (4) BBE (4) Integrity (1) RxMBytes (4) TxMBytes (4) EthCapacityThreshUnder (4) HighTrafficThreshExceed (4) ActiveSeconds (1)
radwllMilOduPerfMonDayEntry			N/A	This is an entry in the Days Table. INDEX {ifIndex radwllMilOduPerfMonDayIdx }
radwllMilOduPerfMonDayES			RO	Current number of Errored Seconds per interval of 24 hours.
radwllMilOduPerfMonDayIdx			RO	This table is indexed per interval number. Each interval is of 24 hours and the oldest is 30.
radwllMilOduPerfMonDayIntegrity			RO	Indicates the integrity of the entry per interval of 24 hours.
radwllMilOduPerfMonDaySES			RO	Current number of Severely Errored Seconds per interval of 24 hours.
radwllMilOduPerfMonDayTable			N/A	This table defines/keeps the counters of the last month (in resolution of days).
radwllMilOduPerfMonDayUAS			RO	The current number of Unavailable Seconds per interval of 24 hours.
radwllMilOduPerfMonEthCapacityThreshKbps			RW	When the current throughput is below this threshold the corresponding counter is incremented
radwllMilOduPerfMonEthCurrActiveSeconds			RO	The number of seconds in which RPL Ethernet swervice was not blocked in the present 15 minutes period.
radwllMilOduPerfMonEthCurrEntry			N/A	This is an entry in the Current Interval Table. INDEX {ifIndex }

Table 3. SU Private MIB Parameters (Sheet 41 of 46)

Name	OID	Type	Access	Description
radwllMilOduPerfMonEthCurrEthCapacityThreshUnder			RO	The number of times throughput was below threshold in the present 15 minutes period. Relevant for point to point systems.
radwllMilOduPerfMonEthCurrHighTrafficThreshExceed			RO	The number of times actual traffic was above threshold in the present 15 minutes period.
radwllMilOduPerfMonEthCurrRxMBytes			RO	Current RX Mega Bytes starting from the present 15 minutes period.
radwllMilOduPerfMonEthCurrTable			N/A	This table defines/keeps the ethernet counters of the current 15 min interval.
radwllMilOduPerfMonEthCurrTxMBytes			RO	Current Transmit Mega Bytes starting from the present 15 minutes period.
radwllMilOduPerfMonEthDayActiveSeconds			RO	The number of seconds in which RPL Ethernet service was not blocked each day.
radwllMilOduPerfMonEthDayEntry			N/A	This is an entry in the Days Table. INDEX {ifIndex radwllMilOduPerfMonEthDayIdx }
radwllMilOduPerfMonEthDayEthCapacityThreshUnder			RO	The number of times throughput was below threshold each day. Relevant for point to point systems.
radwllMilOduPerfMonEthDayHighTrafficThreshExceed			RO	The number of times actual traffic was above threshold each day.
radwllMilOduPerfMonEthDayIdx			RO	This table is indexed per Day number. Each interval is of 15 minutes and the oldest is 96.
radwllMilOduPerfMonEthDayRxMBytes			RO	Current RX Mega Bytes per day.
radwllMilOduPerfMonEthDayTable			N/A	This table defines/keeps the ethernet counters of the last month (in resolution of days).
radwllMilOduPerfMonEthDayTxMBytes			RO	Current Transmit Mega Bytes per day.
radwllMilOduPerfMonEthIntervalActiveSeconds			RO	The number of seconds in which RPL Ethernet service was not blocked in the each interval.
radwllMilOduPerfMonEthIntervalEntry			N/A	This is an entry in the Interval Table. INDEX {ifIndex radwllMilOduPerfMonEthIntervalIdx }
radwllMilOduPerfMonEthIntervalEthCapacityThreshUnder			RO	The number of times throughput was below threshold in the each interval. Relevant for point to point systems.
radwllMilOduPerfMonEthIntervalHighTrafficThreshExceed			RO	The number of times actual traffic was above threshold in the each interval.
radwllMilOduPerfMonEthIntervalIdx			RO	This table is indexed per interval number. Each interval is of 15 minutes and the oldest is 96.
radwllMilOduPerfMonEthIntervalRxMBytes			RO	Current RX Mega Bytes per interval.
radwllMilOduPerfMonEthIntervalTable			N/A	This table defines/keeps the ethernet counters of the last day (in resolution of 15 min intervals).
radwllMilOduPerfMonEthIntervalTxMBytes			RO	Current Transmit Mega Bytes per interval.

Table 3. SU Private MIB Parameters (Sheet 42 of 46)

Name	OID	Type	Access	Description
radwllMilOduPerfMonHighTrafficThreshKbps			RW	When the current traffic is above this threshold then corresponding counter is incremented.
radwllMilOduPerfMonIntervalBBE			RO	Current number of Background Block Errors per interval.
radwllMilOduPerfMonIntervalCompressed			RO	Holds a compressed string of all data per interface. Compressed Air Interface Structure (size in brackets): UAS (4) ES (4) SES (4) BBE (4) Integrity (1) MinRSL (1) MaxRSL (1) RSLThresh1Exceeded (4) RSLThresh2Exceeded (4) MinTSL (1) MaxTSL (1) TSLThresh1Exceed (4) BBERThresh1Exceed (4) RxMBytes (4) TxMBytes (4) EthCapacityThreshUnder (4) HighTrafficThreshExceed (4) Compressed Etherent ODU interface (size in brackets): UAS (4) ES (4) SES (4) BBE (4) Integrity (1) RxMBytes (4) TxMBytes (4) EthCapacityThreshUnder (4) HighTrafficThreshExceed (4) ActiveSeconds (1)
radwllMilOduPerfMonIntervalEntry			N/A	This is an entry in the Interval Table. INDEX {ifIndex radwllMilOduPerfMonIntervalIdx }
radwllMilOduPerfMonIntervalES			RO	Current number of Errored Seconds per interval.
radwllMilOduPerfMonIntervalIdx			RO	This table is indexed per interval number. Each interval is of 15 minutes and the oldest is 96.
radwllMilOduPerfMonIntervalIntegrity			RO	Indicates the integrity of the entry per interval.
radwllMilOduPerfMonIntervalSES			RO	Current number of Severely Errored Seconds per interval.
radwllMilOduPerfMonIntervalTable			N/A	This table defines/keeps the counters of the last day (in resolution of 15 min intervals).
radwllMilOduPerfMonIntervalUAS			RO	The current number of Unavailable Seconds per interval.
radwllMilOduPerfMonRxThresh1			RW	When the RX power exceeds this threshold a performance monitoring RSL1 counter is incremented.
radwllMilOduPerfMonRxThresh2			RW	When the RX power exceeds this threshold a performance monitoring RSL2 counter is incremented.
radwllMilOduPerfMonTdmCurrActiveSeconds			RO	Parameter indicating whether the TDM service was active. Under TDM backup link the parameter indicates whether the backup link was active.
radwllMilOduPerfMonTdmCurrEntry			N/A	This is an entry in the Current Interval Table. INDEX {ifIndex }
radwllMilOduPerfMonTdmCurrTable			N/A	This table defines/keeps the TDM counters of the current 15 min interval.

Table 3. SU Private MIB Parameters (Sheet 43 of 46)

Name	OID	Type	Access	Description
radwllMilOduPerfMonTdmDayActiveSeconds			RO	Parameter indicating whether the TDM service was active. Under TDM backup link the parameter indicates whether the backup link was active.
radwllMilOduPerfMonTdmDayEntry			N/A	This is an entry in the Days Table. INDEX {ifIndex radwllMilOduPerfMonTdmDayIdx }
radwllMilOduPerfMonTdmDayIdx			RO	This table is indexed per Day number. Each interval is of 15 minutes and the oldest is 96.
radwllMilOduPerfMonTdmDayTable			N/A	This table defines/keeps the TDM counters of the last month (in resolution of days).
radwllMilOduPerfMonTdmIntervalActiveSeconds			RO	Parameter indicating whether the TDM service was active. Under TDM backup link the parameter indicates whether the backup link was active.
radwllMilOduPerfMonTdmIntervalEntry			N/A	This is an entry in the Interval Table. INDEX {ifIndex radwllMilOduPerfMonTdmIntervalIdx }
radwllMilOduPerfMonTdmIntervalIdx			RO	This table is indexed per interval number. Each interval is of 15 minutes and the oldest is 96.
radwllMilOduPerfMonTdmIntervalTable			N/A	This table defines/keeps the TDM counters of the last day (in resolution of 15 min intervals).
radwllMilOduPerfMonTxThresh1			RW	When the Transmit power exceeds this threshold a performance monitoring TSL1 counter is incremented.
radwllMilOduProductId	1.3.6.1.4.1.4458.1000.1.1.14	DisplayString	RO	This parameter is reserved for the Manager application provided with the product.
radwllMilOduReadCommunity	1.3.6.1.4.1.4458.1000.1.1.15	DisplayString	RW	Read Community String. This parameter always returns ***** when retrieving its value. It is used by the Manager application to change the Read Community String. The SNMP agent accepts only encrypted values.
radwllMilOduReadWriteCommunity	1.3.6.1.4.1.4458.1000.1.1.16	DisplayString	RW	Read/Write Community String. This parameter always returns ***** when retrieving its value. It is used by the Manager application to change the Read/Write Community String. The SNMP agent accepts only encrypted values.
radwllMilOduServiceVlan2TblEgressFilter1			RW	VLAN 2 Filter1 VID
radwllMilOduServiceVlan2TblEgressFilter2			RW	VLAN 2 Filter2 VID
radwllMilOduServiceVlan2TblEgressFilter3			RW	VLAN 2 Filter3 VID
radwllMilOduServiceVlan2TblEgressFilter4			RW	VLAN 2 Filter4 VID
radwllMilOduServiceVlan2TblEgressMode			RW	The Vlan 2 mode in the Egress direction

Table 3. SU Private MIB Parameters (Sheet 44 of 46)

Name	OID	Type	Access	Description
radwllMilOduServiceVlan2TblIngressMode			RW	The Vlan 2 mode in the Ingress direction
radwllMilOduServiceVlan2TblMajorMode			RW	The Vlan 2 major mode
radwllMilOduServiceVlan2TblPri			RW	The Vlan 2 priority 0-7 to be used when adding TAG or adding Provider
radwllMilOduServiceVlan2TblProviderTPID			RW	Holds the Provider TPID that is used in all provider operations.
radwllMilOduServiceVlan2TblTag			RW	The VID 2 to be used when adding TAG or adding Provider
radwllMilOduServiceVlan2TblUntagFilteredBitmap			RW	Represents (in bitmap) if to Untag a frame after it is filtered (Egress direction) [4 bits represent 4 filters].
radwllMilOduServiceVlanProviderListTPIDstr	1.3.6.1.4.1.4458.1000.1.2.6.8	DisplayString	RO	Holds the possible Provider TPIDs.
radwllMilOduServiceVlanTblEgressFilter1			RW	VLAN Filter1 VID
radwllMilOduServiceVlanTblEgressFilter2			RW	VLAN Filter2 VID
radwllMilOduServiceVlanTblEgressFilter3			RW	VLAN Filter3 VID
radwllMilOduServiceVlanTblEgressFilter4			RW	VLAN Filter4 VID
radwllMilOduServiceVlanTblEgressMode			RW	The Vlan mode in the Egress direction
radwllMilOduServiceVlanTblIngressMode			RW	The Vlan mode in the Ingress direction
radwllMilOduServiceVlanTblMajorMode			RW	The Vlan major mode
radwllMilOduServiceVlanTblPri			RW	The Vlan priority 0-7 to be used when adding TAG or adding Provider
radwllMilOduServiceVlanTblProviderTPID			RW	Holds the Provider TPID that is used in all provider operations.
radwllMilOduServiceVlanTblTag			RW	The VID to be used when adding TAG or adding Provider
radwllMilOduServiceVlanTblUntagFilteredBitmap			RW	Represents (in bitmap) if to Untag a frame after it is filtered (Egress direction) [4 bits represent 4 filters].
radwllMilOduSrvBridging	1.3.6.1.4.1.4458.1000.1.2.3	Integer	RO	Bridging Mode. Valid values are: disabled (0) enabled (1).
radwllMilOduSrvConfDiffservQGroups			RO	Frames classification according to Diffserv.
radwllMilOduSrvConfQueMir			RW	Desired Private MIR.
radwllMilOduSrvConfQueWeight			RW	QoS queueu's weights in percent.
radwllMilOduSrvConfVlanQGroups			RO	Frames classification according to VLAN Priority IDs.
radwllMilOduSrvEgressProviderTag			RW	ODU ethernet port egress Provider VLAN tag. Right most digit is Vlan priority (0-7) other digits compose Vlan Id (2-4094)

Table 3. SU Private MIB Parameters (Sheet 45 of 46)

Name	OID	Type	Access	Description
radwllMilOduSrvEgressTag			RW	ODU ethernet port egress VLAN tag. Right most digit is Vlan priority (0-7) other digits compose Vlan Id (2-4094)
radwllMilOduSrvMode	1.3.6.1.4.1.4458.1000.1.2.1	Integer	RW	System mode. The only values that can be set are installMode and slaveMode; normalMode reserved to the Manager application provided with the product. A change is effective after link re-synchronization.
radwllMilOduSrvQoSConfEntry			N/A	QoS configuration table. INDEX { radwllMilOduSrvQoSConfIndex }
radwllMilOduSrvQoSConfIndex			RO	Index of QoS Configuration.
radwllMilOduSrvQoSConfTable			N/A	QoS configuration table.
radwllMilOduSrvQoSDiffservQGroupsSetStr			RW	Frames classification according to Diffserv IDs string for set.
radwllMilOduSrvQoSMaxRTQuePercent			RO	Maximal percent for RT & NRT queues.
radwllMilOduSrvQoSMode			RW	Mode of QoS feature.
radwllMilOduSrvQoSVlanQGroupsSetStr			RW	Frames classification according to VLAN IDs string for set.
radwllMilOduSrvRingEthStatus			RO	Represents the Ethernet service blocking state of a Rings link
radwllMilOduSrvRingLinkMode			RW	Mode of the link regarding ring topology.
radwllMilOduSrvRingMaxAllowedTimeFromLastRpm			RW	Defines the minimal time (in ms) required for determination of ring failure.
radwllMilOduSrvRingTopologySupported			RO	Ring Topology options are: supported not supported
radwllMilOduSrvRingVlanId			RW	VLAN ID of the internal ring messages. Valid values are 1 to 4094. Initial value is 0 meaning VLAN unaware.
radwllMilOduSrvRingVlanIdEntry			N/A	VLAN ID of the internal ring messages. Valid values are 1 to 4094. Initial value is 0 meaning VLAN unaware. INDEX { radwllMilOduSrvRingVlanIdIndex }
radwllMilOduSrvRingVlanIdIndex			RO	Index of VLAN ID of the internal ring messages.
radwllMilOduSrvRingVlanIdTable			N/A	Ring VLAN IDs table.
radwllMilOduSrvRingWTR			RW	Defines the minimal time (in ms) required for ring recovery.
radwllMilOduSrvVlanDisable			RW	Disable VLAN functionality. The following values can be set: 3 - Disable ODU & IDU VLAN Configurations.
radwllMilOduSrvVlanEgressMode			RW	ODU Ethernet port egress VLAN mode.
radwllMilOduSrvVlanIngressAllowedVIDs			RW	ODU ethernet port VLAN IDs that will not be filtered on ingress. w|w|w|w|w|w|w|w| (where w = {0-4094} and w != 1)
radwllMilOduSrvVlanIngressMode			RW	ODU Ethernet port ingress VLAN mode.

Table 3. SU Private MIB Parameters (Sheet 46 of 46)

Name	OID	Type	Access	Description
radwllMilOduSrvVlanSupport			RO	ODU Ethernet port VLAN support and configuration availability indication. 1 - ODU VLAN Functionality Not Supported 2 - ODU VLAN Functionality Supported 3 - ODU VLAN Functionality Supported and Available
radwllMilOduTrapCommunity	1.3.6.1.4.1.4458.1000.1.1.17	DisplayString	RW	Trap Community String. This parameter is used by the Manager application to change the Trap Community String. The SNMP agent accepts only encrypted values.

4.3 MIB Traps

General

Each ODU can be configured with up to 10 different trap destinations. When the link is operational, each ODU sends traps originating from both Site A and Site B.

The source IP address of the trap is the sending ODU. The trap originator can be identified by the trap Community string or by the trap description text.

Each trap contains a trap description and additional relevant information such as alarm severity, interface index, time stamp and additional parameters.

Trap Parameters

Table 4. MIB Traps (Sheet 1 of 10)

Name	ID	Severity	Description
trunkStateChanged	1	normal	Indicates a change in the state of one of the TDM trunks. Raised by both sides of the link. Contains 3 parameters: 1 - Description: TDM Interface %n - %x 2 - %n: Is the trunk number 3 - %x: Is the alarm type and can be one of the following: Normal AIS LOS Loopback
linkUp	2	normal	Indicates that the radio link is up. Contains a single parameter which is its description: 1 - Description: Radio Link - Sync on channel %n GHz. %n Is the channel frequency in GHz.
linkDown	3	critical	Indicates that the radio link is down. Contains a single parameter which is its description: 1 - Description: Radio Link - Out of Sync. The reason is: %s. %s Is the reason.
detectIDU	4	normal	Indicates that the IDU was detected. Raised by both sides of the link. Contains a single parameter which is its description: 1 - Description: IDU of Type %s was Detected. %s Is the type of the IDU.
disconnectIDU	5	major	Indicates that the IDU was disconnected. Raised by both sides of the link. Contains a single parameter which is its description: 1 - Description: IDU Disconnected.

Table 4. MIB Traps (Sheet 2 of 10)

Name	ID	Severity	Description
mismatchIDU	6	major	Indicates a mismatch between the IDUs. Raised by the master only. Contains a single parameter which is its description: 1 - Description: IDUs Mismatch: One Side is %s and the Other is %s. %s Is the type of the IDU.
openedServices	7	normal	Indicates that services were opened. Raised by the master only. Contains 3 parameters: 1 - Description: %n2 out of %n1 Requested TDM Trunks have been Opened 2 - %n1: Is the requested number of TDM truncks 3 - %n2: Is the actual number of TDM trunks that were opened
closedServices	8	normal	Indicates that services were closed. Raised by the master only. Contains a single parameter which is its description: 1 - Description: TDM Service has been closed. The reason is: %s. %s Is the reason.
incompatibleODUs	9	critical	Indicates that the ODUs are incompatible. Contains a single parameter which is its description: 1 - Description: Incompatible ODUs.
incompatibleIDUs	10	major	Indicates that the IDUs are incompatible. Contains a single parameter which is its description: 1 - Description: Incompatible IDUs.
incompatibleOduIdu	11	major	Indicates that the ODU and IDU are incompatible. Contains a single parameter which is its description: 1 - Description: The IDU could not be loaded. The reason is: %s. %s Is the incompatibility type.
probingChannel	12	normal	Indicates that the ODU is monitoring radar activity. Contains a single parameter which is its description: 1 - Description: Monitoring for radar activity on channel %n GHz. %n is the channel frequency in GHz.
radarDetected	13	normal	Indicates that radar activity was detected. Contains a single parameter which is its description: 1 - Description: Radar activity was detected in %s on channel %n GHz. %s Is the site name. %n Is the channel frequency in GHz.
transmittingOnChannel	14	normal	Indicates that the ODU is transmitting on channel. Contains a single parameter which is its description: 1 - Description: Transmitting on channel %n GHz. %n Is the channel frequency in GHz.
scanningChannels	15	normal	Indicates that the ODU is scanning channels. Contains a single parameter which is its description: 1 - Description: Channel scanning in progress.
incompatiblePartner	16	critical	Indicates that configuration problem was detected and that link installation is required in order to fix it. Contains a single parameter which is its description: 1 - Description: Configuration problem detected. Link installation required.
timeClockSet	17	normal	Indicates that the ODU time clock was set. Contains a single parameter which is its description: 1 - Description: The time was set to: %p. %p Is the date and time.
configurationChanged	18	normal	Indicates that the ODU recovered from an error but there are configuration changes. Contains two parameters: 1 - Description: Configuration changed. Error code is: %n. 2 - %n number.
hssOpStateChangedToINU	19	normal	Indicates that the HSS operating state was changed to INU type. Contains a single parameter which is its description: 1 - Description: HSS operating state was changed to: INU.

Table 4. MIB Traps (Sheet 3 of 10)

Name	ID	Severity	Description
hssOpStateChangedToHSM	20	normal	Indicates that the HSS operating state was changed to HSM type. Contains a single parameter which is its description: 1 - Description: HSS operating state was changed to: HSM.
hssOpStateChangedToHSC	21	normal	Indicates that the HSS operating state was changed to HSC type. Contains a single parameter which is its description: 1 - Description: HSS operating state was changed to: HSC_DT/HSC_CT.
vlanModeActive	22	normal	Indicates to non-VLAN PC that after 2 minutes the system will support only VLAN tag on management interface. Contains a single parameter which is its description: 1 - Description: VLAN Mode is active. Non-VLAN traffic will be blocked in 2 minutes.
spectrumAnalysis	23	normal	Indicates that the ODU is in Spectrum Analysis mode. Contains a single parameter which is its description: 1 - Description: Spectrum analysis in progress.
hbsHsuDeregisteredOffline	24	normal	Indicates that a SU was deregistered offline (out of link)
hbsHsuDeregisteredSuccessfully	25	normal	Indicates that a SU was deregistered successfully
hbsHsuRegisteredSuccessfully	26	normal	Indicates that a SU was registered successfully
hbsHsuRegistrationFailed	27	normal	Indicates that registration has failed
hbsHsuViolatedState	28	normal	Indicates (on the HBS side) that a SU is is violated state
hsuViolatedState	29	normal	Indicates (on the SU side) that the SU is is violated state
hbsUnregisteredSynchronizedHsu	30	normal	Indicates an unregistered SU has been synchronized.
hbsUnregisteredUnsynchronizedHsu	31	normal	Indicates an unregistered SU lost synchronization.
cableQuality	32	normal	1Gbps rate is not supported due to bad line quality.
httpAuthentication	33	normal	HTTP Authentication Failure.
telnetAuthentication	34	normal	Telnet Authentication Failure.
tdmServiceAlarm	100	major	Indicates that TDM Service is in alarm state. Contains a single parameter which is its description: 1 - Description: TDM Service - Alarm.
ethServiceClosed	101	major	Indicates that Ethernet Service is closed. Contains a single parameter which is its description: 1 - Description: Ethernet Service is closed.
ethServiceNotPermitted	102	major	Indicates that Ethernet Service is not permitted. Contains a single parameter which is its description: 1 - Description: A valid IDU could not be detected at %s. Please check your configuration. %s - Is the Local Site name or Remote Site name or both sides of the Link.
encryptionAlarm	103	major	Indicates an encryption key mismatch. Contains a single parameter which is its description: 1 - Description: Encryption Status - Failed. No Services are available.
changeLinkPasswordAlarm	104	major	Indicates that a failure has occurred while attempting to change the Link Password. Contains a single parameter which is its description: 1 - Description: Failed to change the Link Password at/on: %s. %s - Is the Local Site name or Remote Site name or both sides of the Link.

Table 4. MIB Traps (Sheet 4 of 10)

Name	ID	Severity	Description
externalAlarmInPort1Alarm	105	major	The trap is sent every time an alarm occurs in the External Alarm Input of port #1. Contains a single parameter which is its description: 1 - Description: External Alarm 1 - <User Text> - Alarm.
externalAlarmInPort2Alarm	106	major	The trap is sent every time an alarm occurs in the External Alarm Input of port #2. Contains a single parameter which is its description: 1 - Description: External Alarm 2 - <User Text> - Alarm.
bitFailedAlarm	107	major	The trap is sent if there is no way to recover from the situation.Contains two parameters: 1 - Description: ODU power up built in test failed. Error code is: %n 2 - %n number
wrongConfigurationLoadedAlarm	108	major	The trap is sent if there is a way to recover from the situation.Contains two parameters: 1 - Description: Wrong configuration loaded. Error code is: %n 2 - %n number
lanPort1DisconnectedAlarm	109	major	Indicates the LAN port 1 status changed to disconnected.Contains a single parameter which is its description: 1 - Description: LAN port 1 status changed to disconnected.
lanPort2DisconnectedAlarm	110	major	Indicates the LAN port 2 status changed to disconnected.Contains a single parameter which is its description: 1 - Description: LAN port 2 status changed to disconnected.
mngPortDisconnectedAlarm	111	major	Indicates the management port status changed to disconnected.Contains a single parameter which is its description: 1 - Description: Management port status changed to disconnected.
externalAlarmInPort3Alarm	112	major	The trap is sent every time an alarm occurs in the External Alarm Input of port #3. Contains a single parameter which is its description: 1 - Description: External Alarm 3 - <User Text> - Alarm.
externalAlarmInPort4Alarm	113	major	The trap is sent every time an alarm occurs in the External Alarm Input of port #4. Contains a single parameter which is its description: 1 - Description: External Alarm 4 - <User Text> - Alarm.
swVersionsMismatchFullCompatibilityAlarm	114	warning	The trap is sent if SW versions mismatch with full link functionality. Contains a single parameter which is its description: 1 - Description: Software versions mismatch - full link functionality
swVersionsMismatchRestrictedCompatibilityAlarm	115	minor	The trap is sent if SW versions mismatch with restricted link functionality. Contains a single parameter which is its description: 1 - Description: Software versions mismatch - restricted link functionality
swVersionsMismatchSoftwareUpgradeRequired	116	major	The trap is sent if SW versions mismatch and SW upgrade is required. Contains a single parameter which is its description: 1 - Description: Software versions mismatch - Software upgrade required
swVersionsIncompatible	117	critical	The trap is sent if SW versions are incompatible. Contains a single parameter which is its description: 1 - Description: SW Versions incompatible
hssMultipleSourcesDetectedAlarm	118	major	Indicates that multiple sync pulse sources were detected. Contains a single parameter which is its description: 1 - Description: HSS multiple sync sources were detected.

Table 4. MIB Traps (Sheet 5 of 10)

Name	ID	Severity	Description
hssSyncToProperSourceStoppedAlarm	119	major	Indicates that synchronization to a proper sync pulse source was stopped. Contains a single parameter which is its description: 1 - Description: HSS sync pulse - Down. The reason is: %s. %s - Is the reason for the sync down.
hssSyncPulseDetectedAlarm	120	major	Indicates that HSS additional sync pulse was detected. Contains a single parameter which is its description: 1 - Description: HSS additional sync pulse was detected.
tdmBackupAlarm	121	major	Indicates that the TDM backup link was activated. Contains a single parameter which is its description: 1 - Description: TDM backup alarm - backup link was activated.
linkLockUnauthorizedRemoteODU	122	major	Indicates that the remote ODU is unauthorized. Contains a single parameter which is its description: 1 - Description: Unauthorized remote ODU connection rejected.
linkLockUnauthorizedODU	123	major	Indicates that the ODU is unauthorized. Contains a single parameter which is its description: 1 - Description: Unauthorized ODU connection rejected.
hotStandbyAlarm	124	major	Indicates that the hot standby secondary link was activated. Contains a single parameter which is its description: 1 - Description: Secondary Link Is Active.
sfpInsertion	126	normal	Indicates that a device was inserted to SFP Port
sfpPort1DisconnectedAlarm	127	major	Indicates the SFP port 1 status changed to disconnected.Contains a single parameter which is its description: 1 - Description: SFP port 1 status changed to disconnected.
ringRplStateActiveAlarm	128	major	RPL state changed to Active.
desiredRatioCanNotBeAppliedAlarm	129	normal	Indicates Desired UL/DL RAtio Can Not Be Applied.
cbwMismatch	130	major	Indicates that a Channel Bandwidth mismatch was detected.Contains two parameters: 1 - Description: Channel Bandwidth Mismatch: one side is %n0 MHz and the other is %n1 MHz. %n0 is the local Channel Bandwidth value in MHz. %n1 is the remoet Channel Bandwidth value in MHz.
gpsNotSynchronized	131	major	Indicates that the GPS is not synchronized with satellites. Pulses are self generated.
pdTooHighDueCbwLimitations	132	major	Indicates that link cannot be established because link range is too large for channel bandwidth.
hbsEncryptionAlarm	133	major	Indicates an encryption key mismatch. Contains a single parameter which is its description including the SU's name
hbsEhServiceClosedToHsu	134	major	Indicates an encryption key mismatch. Contains a single parameter which is its description including the SU's name
hbsUnsynchronizedHsuAlarm	135	warning	Indicates a registered SU lost synchronization.
hbsInactiveHbsAlarm	136	major	Indicates HBS is InActive.
incompatibleHsu	137	critical	Indicates that the SU is not compatible to HBS. Contains a single parameter which is its description: 1 - Description: Incompatible ODUs.
hsuUnsupportedBeacon	138	warning	Indicates an unsupported beacon has arrived at SU
lanPortDisconnectedAlarm	139	major	Indicates the LAN port status changed to disconnected. Contains a single parameter, which is its description: 1 - Description: LAN port status changed to disconnected.

Table 4. MIB Traps (Sheet 6 of 10)

Name	ID	Severity	Description
poePortDisconnectedAlarm	140	major	Indicates the POE port status changed to disconnected. Contains a single parameter, which is its description: 1 - Description: POE port status changed to disconnected.
poePowerConsumptionAlarm	141	major	Indicates the POE Power Consumption is above allowed maximum. Contains a single parameter, which is its description: 1 - Description: POE consumption above allowed maximum. port closed.
hobupFaultyStateAlarm	149	major	This Alarm will indicate that the Hot Backup module is in faulty state. 1 - Description: Hot Backup fault detected: %s unit. %s - Primary Or Secondary Unit
gpsOverCurrentAlarm	150	major	Indicates the GPS Antenna current consumption is above allowed maximum. Contains a single parameter, which is its description: 1 - Description: GPS Antenna current consumption above allowed maximum. GPS closed.
gpsCommunicationFailiureAlarm	151	major	Indicates the GPS data isn't received. Contains a single parameter, which is its description: 1 - Description: GPS Communication failiure.
temperatureThresholdAlarm	152	major	Indicates the board temperature is above allowed maximum. Contains a single parameter, which is its description: 1 - Description: GPS Antenna current consumption above allowed maximum. GPS closed.
localRouterDiscoveryStatus	153	major	This Alarm will indicate that we have no connection with Track side router. 1 - Description: MacLearningUpdate detected disconnection with Track side router %s %s - Default gateway IP
TrackRouterDiscoveryStatus	154	major	This Alarm will indicate that we have no connection with Track side router. 1 - Description: MacLearningUpdate detected disconnection with Track side router %s %s - Default gateway IP
btsTargetUnreachable	156	major	This Alarm will indicate that we have no connection with Bts desired target. 1 - Description: TNC detected disconnection with the BTS target %s BWA %s - Default gateway IP
tdmServiceClear	200	major	Indicates that TDM Service fault is cleared. Contains a single parameter which is its description: 1 - Description: TDM Service - Normal.
ethServiceOpened	201	normal	Indicates that Ethernet Service has been opened. Contains a single parameter which is its description: 1 - Description: Ethernet Service has been opened.
encryptionClear	203	normal	Indicates that encryption is OK. Contains a single parameter which is its description: 1 - Description: Encryption Status - Normal.
changeLinkPasswordClear	204	normal	Indicates that the Link Password was changed successfully. Contains a single parameter which is its description: 1 - Description: Link Password has been changed at/on: %s. %s - Is the Local Site name or Remote Site name or both sides of the Link.

Table 4. MIB Traps (Sheet 7 of 10)

Name	ID	Severity	Description
externalAlarmInPort1Clear	205	normal	This Trap is sent every time an External Alarm Input fault of port # 1 is cleared. Contains a single parameter which is its description: 1 - Description: External Alarm 1 - <User Text> - Alarm Cleared.
externalAlarmInPort2Clear	206	normal	This Trap is sent every time an External Alarm Input fault of port # 2 is cleared. Contains a single parameter which is its description: 1 - Description: External Alarm 2 - <User Text> - Alarm Cleared.
lanPort1Clear	209	normal	Indicates the LAN port 1 status changed to connected. Contains two parameters: 1 - Description: LAN port 1 status changed to connected - %s 2 - %s Is the Eth. mode (speed & duplex)
lanPort2Clear	210	normal	Indicates the LAN port 2 status changed to connected. Contains two parameters: 1 - Description: LAN port 2 status changed to connected - %s. 2 - %s Is the Eth. mode (speed & duplex).
mngPortClear	211	normal	Indicates the management port status changed to connected. Contains two parameters: 1 - Description: Management port status changed to connected - %s 2 - %s Is the Eth. mode (speed & duplex)
externalAlarmInPort3Clear	212	normal	This Trap is sent every time an External Alarm Input fault of port # 3 is cleared. Contains a single parameter which is its description: 1 - Description: External Alarm 3 - <User Text> - Alarm Cleared.
externalAlarmInPort4Clear	213	normal	This Trap is sent every time an External Alarm Input fault of port # 4 is cleared. Contains a single parameter which is its description: 1 - Description: External Alarm 4 - <User Text> - Alarm Cleared.
swVersionsMatchFullCompatibilityClear	214	normal	The trap is sent if SW versions match. Contains a single parameter which is its description: 1 - Description: Software Versions compatible
swVersionsMatchRestrictedCompatibilityClear	215	normal	The trap is sent if SW versions match and link functionality is not restricted. Contains a single parameter which is its description: 1 - Description: Software Versions compatible
swVersionsMatchSoftwareUpgradeRequiredClear	216	normal	The trap is sent if SW versions match and SW upgrade is successful. Contains a single parameter which is its description: 1 - Description: Software Versions compatible
swVersionsCompatibleClear	217	normal	The trap is sent if SW versions compatible Contains a single parameter which is its description: 1 - Description: Software Versions compatible
hssMultipleSourcesDisappearedClear	218	normal	Indicates that multiple sync pulse sources disappeared. Contains a single parameter which is its description: 1 - Description: HSS multiple sync pulse sources disappeared.
hssSyncToProperSourceAchievedClear	219	normal	Indicates that synchronization to a proper Sync source was achieved. Contains a single parameter which is its description: 1 - Description: HSS sync pulse - Up.
hssSyncPulseDisappearedClear	220	normal	Indicates that HSS additional sync pulse disappeared. Contains a single parameter which is its description: 1 - Description: HSS additional sync pulse was disappeared.
tdmBackupClear	221	normal	Indicates that the TDM main link was activated. Contains a single parameter which is its description: 1 - Description: TDM main link was activated.

Table 4. MIB Traps (Sheet 8 of 10)

Name	ID	Severity	Description
linkLockAuthorizedRemoteODU	222	normal	Indicates that the remote ODU is authorized. Contains a single parameter which is its description: 1 - Description: Authorized remote ODU connection accepted.
linkLockAuthorizedODU	223	normal	Indicates that the ODU is authorized. Contains a single parameter which is its description: 1 - Description: Authorized ODU connection permitted.
linkAuthenticationDisabled	224	normal	Indicates that the Link Lock is disabled. Contains a single parameter which is its description: 1 - Description: Link Authentication has been disabled.
hotStandbyClear	225	normal	Indicates that the Primary Link Was Activated. Contains a single parameter which is its description: 1 - Description: Primary Link Is Active.
sfpExtraction	226	normal	Indicates that a device was extracted from SFP Port
sfpPort1Clear	227	normal	Indicates the SFP port 1 status changed to connected. Contains two parameters: 1 - Description: SFP port 1 status changed to connected - %s 2 - %s Is the Eth. mode (speed & duplex)
compatibleIdus	228	normal	Indicates that the ODU has identified compatible Idus on both sides of the link.
desiredRatioCanNotBeAppliedClear	229	normal	Indicates Current UL/DL Ratio Is Equal To Desired Ratio.
cbwMatch	230	normal	Indicates that a Channel Bandwidth match was detected. Contains a single parameter which is its description: 1 - Channel Bandwidth value in MHz.
switchCbwAndChannel	231	normal	Indicates that the system is switching Channel Bandwidth and channel frequency. Contains two parameters: 1 - Switching to Channel Bandwith %n0 MHz and to channel %n1 GHz.
ringRplStateIdle	232	normal	RPL state changed to Idle.
ringEthServiceStatus	233	normal	Indicates Ethernet service's state - blocked \ unblocked. Contains a single parameter: 1 - Description: Ethernet's state (blocked \ unblocked)
ringFirstRpmReceived	234	normal	Ring application: in non-RPL link indicates first from a specific RPL was received. Contains a single parameter: 1 - Description: RPM's VLAN ID
ringEthernetSrviceUnblockedTO	235	normal	Ring application: in non-RPL link Ethernet service is unblocked due to RPM timeout.
gpsSynchronized	236	normal	Indicates that the GPS is synchronized with satellites.
hbsEncryptionClear	237	normal	Indicates that encryption is OK. Contains a single parameter which is its description including the SU's name
hbsEhServiceOpenedToHsu	238	normal	Indicates that encryption is OK. Contains a single parameter which is its description including the SU's name
hbsSynchronizedHsuAlarm	239	normal	Indicates a registered SU is synchronized.
hbsActiveHbs	240	normal	Indicates when HBS has been activated.
switchCBW	241	normal	Switching Channel Bandwidth.
changeRatio	242	normal	HBS Tx ratio has changed.
lanPortClear	243	normal	Indicates the LAN port status changed to connected. Contains two parameters: 1 - Description: LAN port status changed to connected - %s 2 - %s Is the Eth. mode (speed & duplex)

Table 4. MIB Traps (Sheet 9 of 10)

Name	ID	Severity	Description
poePortClear	244	normal	Indicates the POE port status changed to connected. Contains two parameters: 1 - Description: POE port status changed to connected - %s 2 - %s Is the Eth. mode (speed & duplex)
poePowerConsumptionClear	245	normal	Indicates the POE power consumption is valid. Contains two parameters: 1 - Description: POE consumption within limits. port is opened. 2 - %s Is the Eth. mode (speed & duplex)
incompatibleHbsHsu	246	normal	Incompatible HBS/HSU software versions - no service.
mobilityLinkOff	247	normal	Mobility - Link cannot be established due to: 1 - The HBS does not support Mobility 2 - Lack of resources in the HBS for HSU level
enterLocalConnection	248	normal	Entering Local Connection (Broadcast) Mode.
hobupActiveStateFaultyClear	249	normal	This clear alarm will indicate that the Hot Backup unit is in active state. Contains a single parameter, which is its description: 1 - Description: Hot Backup %s unit activated. %s - Primary Or Secondary Unit
hobupStandbyState	250	normal	Contains a single parameter, which is its description: 1 - Description: Hot Backup in Standby state: %s unit. %s - Primary Or Secondary Unit
gpsOverCurrentClear	251	normal	Indicates the GPS Antenna current consumption is valid.
temperatureThresholdClear	252	normal	Indicates the board temperature is valid.
localRouterDiscoverySucceed	253	normal	Indicated the we succeeded to discover train router in ip %s MAC address %s %s Train IP %s Train MAC Address
TrackRouterDiscoverySucceed	254	normal	Indicated the we succeeded to discover track router in ip %s MAC address %s %s Train IP %s Train MAC Address
qosVersion2StrictMismatch	255	normal	CPE doesn't support strict QOS configuration.
qosVersion2TtlMismatch	256	normal	CPE doesn't support TTL configuration.
btsTargetIsReachable	257	normal	Indicates that we succeeded to establish connection with the Bts desired target (%s) %s Target IP
tcNotSupportedByHSU	258	normal	Transparent Clock (Sync E) feature not supported by HSU
syncEPortHOStateChange	259	normal	Enter/leave HO (hold-over) state of SyncE port
syncEPortFailureStateChange	260	normal	Enter/leave Failure state of SyncE port.
btsCpeUpdateServiceFailed	261	normal	HBS was not able to update the service definitions or category of the HSU.
btsCpeUpdateServiceSucceed	262	normal	HBS was able to update the service definitions or category of the HSU.
radiusServerNoREsponse	263	normal	No response received from RADIUS server.
noRadiusServerRespond	264	normal	No RADIUS server is connected.
radiusServerRespondedSuccessfully	265	normal	Response received from RADIUS server.
bsaAlignmentStarted	266	normal	Indicates the beginning of Alignment Process
bsaAlignmentFinished	267	normal	Indicates the completion of Alignment Process
bsaAlignmentTriggered	268	normal	Indicates the triggering of Alignment Process due to exceeding thresholds.

Table 4. MIB Traps (Sheet 10 of 10)

Name	ID	Severity	Description
hsuResourceTypeMismatch	271	normal	Indicates a mismatch between HSU type and resource allocation
externalAntennaAttached	272	normal	Indicates that the External Antenna is attached
externalAntennaDetached	273	normal	Indicates that the Wifi is enabled
wifiEnabled	274	normal	Indicates that the wifi is disabled
wifiDisabled	275	normal	Indicates that the wifi is disabled
wifiUserConnected	276	normal	Indicates that the Wifi is connected by some user
	277- 279 are reserved for compatibility		
hsuAuthenticationErrorState	280	normal	Indicates that the authentication for the HSU was rejected.
hbsHsuAuthenticationErrorState	281	normal	Indicates that the authentication for the HSU was rejected.
hsuExitingViolatedState	282	normal	Indicates that the HSU is exiting a violated state
port8021xEnabledChangedState	283	normal	Indicates that 802.1x Enabled Port has changed its state for supplicant

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