



# Product Change Notice

## Huawei PCN ALD-20190004 AMB4520R9v06 Antenna Design Change

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### Release History

Version	Revision History	Release Date
<i>Draft 1.0</i>	<i>Draft Release</i>	<i>2019-05-05</i>
<i>Official 1.0</i>	<i>Official Release</i>	<i>2019-05-14</i>




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# Product Change Notice

## 1. Key Terms

Terminology	Description	Definition
EOM	End of Marketing	The date after which orders for products, boards, components or software are no longer accepted  <b>NOTE</b> This applies to new deployments and capacity expansions. For boards and components, it also applies to spare parts.
LODSP	Last Order Date of Spare Parts	The date after which orders for spare parts of a product are no longer accepted
PCN	Product Change Notice	Describes changes to a product.

## 2. Abstract

The antenna AMB4520R9v06 provided by Huawei will be changed as of July 30, 2019. The new antenna AMB4520R9v06 has the following changes:

1. The 4T4R dual-beam antenna AMB4520R9v06 is mainly used for one operator and not used for sharing scenarios, so AISG interface is changed from two pairs to one pair.
2. New antenna AMB4520R9v06 has higher high band gain of 0.1~0.3dB, and provides better coverage.
3. New antenna AMB4520R9v06 has lighter weight, and it is easier to be installed on tower.

This change notice is for customers who use antenna AMB4520R9v06.

### 3. PCN Information

<b>PCN Number</b>		ALD-20190004	
<b>Supplier Information</b>		Huawei Technologies Co., Ltd.	
<b>PCN Classification</b>		B	
<b>Milestone</b>	Implementation date	The start date when new boards or components or new changes are available.	2019/07/30
	EOM	The date when orders for old components are no longer accepted.	NA
	EOS	Date after which Huawei no longer provides services for old hardware	NA

### 4. Reason for Change

The antenna AMB4520R9v06 provided by Huawei will be changed as of July 30, 2019. The new antenna AMB4520R9v06 has the following changes:

1. The 4T4R dual-beam antenna AMB4520R9v06 is mainly used for one operator and not used for sharing scenarios, so AISG interface is changed from two pairs to one pair.
2. New antenna AMB4520R9v06 has higher high band gain of 0.1~0.3dB, and provides better coverage.
3. New Antenna AMB4520R9v06 has lighter weight, and it is easier to be installed on tower.

### 5. Systems and Products Affected

System	Subsystem	Hardware	Software
Antenna Feeder Products	Antenna	Yes	NA

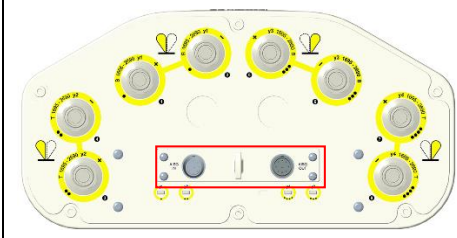
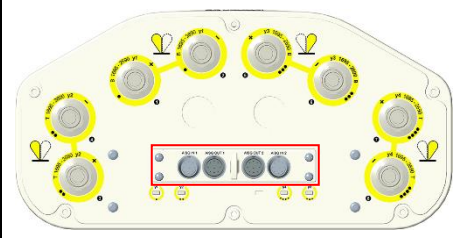
## 6. BOM Code Affected

NA

## 7. Change Description

### 7.1 Changes in Appearance

Changes in the appearance of AMB4520R9v06 described as follow:

Item	New Board or Component	Old Board or Component
Antenna Model	AMB4520R9v06	AMB4520R9v06
Antenna Bottom Cap		

### 7.2 Changes in Dimensions and Weight

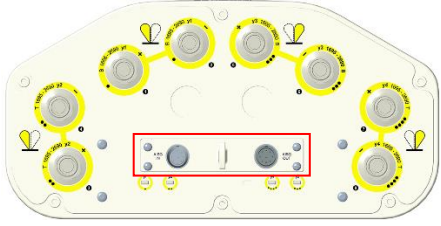
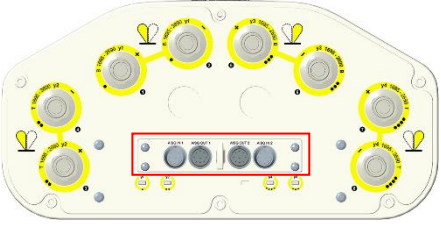
Changes of AMB4520R9v06 described as follow:

Item		New Board or Component				Old Board or Component				
Model		AMB4520R9v06				AMB4520R9v06				
Frequency range (MHz)		1695-1990	1920-2200	2200-2490	2490-2690	1695-1990	1920-2200	2200-2490	2490-2690	
Gain	Top	at mid Tilt	18.5	19.0	19.4	19.9	18.3	18.9	19.1	19.6
		over all Tilts	18.3±0.7	18.8±0.7	19.2±0.7	19.7±0.7	18.1±0.7	18.7±0.7	18.9±0.7	19.4±0.7
	Bottom	at mid Tilt	18.8	19.3	19.7	20.2	18.6	19.2	19.4	19.9
		over all Tilts	18.6±0.7	19.1±0.7	19.5±0.7	20.0±0.7	18.4±0.7	19.0±0.7	19.2±0.7	19.7±0.7
Weight		30				33.5				

### 7.3 Changes in the External Ports of a Module

NA

## 7.4 Changes in the Installation Method

Item	New Board or Component	Old Board or Component
Antenna Model	AMB4520R9v06	AMB4520R9v06
Antenna Bottom Cap		
AISG Interface	One pair of AISG interfaces supports RET management	Two pairs of AISG interfaces support RET management sharing for 2 operators

## 8. Compatibility

NA

## 9. Change Impact

Safety Risks	NA
Fire Risks	NA
Services	NA
Communications	NA
Maintenance	NA
Reliability	NA
Power System/Power Consumption	NA
Traffic	NA

## 10. Changes in the Documentation

Antenna&AF products datasheet

## 11. Other Changes

NA

## 12. Suggestions for Operators

NA

## 13. Attachments

NA

## 14. Remarks

If you have any questions about this PCN, contact your local Huawei sales representative or Huawei technical support.