



Title: AIR 10 CELLULAR ANTENNA
SPECIFICATIONS

Project/Product AIR 10

1. Purpose

This document contains the cellular antenna specs for Air 10 devices, and is applicable to the following device models:

Model Name / Product Code	Marketing Name
37158	AirSense 10 CPAP
37159	AirSense 10 Elite
37160	AirSense 10 AutoSet
37161	AirSense 10 AutoSet FH
37162	AirCurve 10 ASV
37163	AirCurve 10 S
37164	AirCurve 10 VAuto
37165	AirCurve 10 ST
28541	AirCurve 10 ST-A
28542	AirCurve 10 ST-A
28405	AirCurve 10 ST-A

28541, 28542 and 28405 are added to the current approval via Class II Permissive Change.

2. References

2.1 PA.26B Ultra WideBand LTE Ceramic Antenna Specification

3. Antenna Description

The PA.26B is an SMT LTE 4G antenna designed for direct SMT mount on the device PCB. It provides high efficiency. The PA.26B operates at all common 4G/3G/2G LTE bands; 698MHz to 960MHz, 1710MHz to 2700MHz.

3.1 Specifications

The following information is provided by the antenna manufacturer in Reference 2.1:

Frequency (MHz)	Efficiency (%)	Average Gain (dBi)	Peak Gain (dBi)
698~960MHz	55%	-3.26dB	1.71dBi
1710~2170MHz	57%	-2.71dB	3.03dBi
2300~2400MHz	47%	-3.27dB	1.53dBi

2500~2700MHz	51%	-2.91dB	2.69dBi
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Mechanical	
Dimensions	35*5*6mm
Weight	3g
Material	Ceramic
Termination	Ag (environmental-friendly Pb free)
EVb Connector	SMA(F)
Environmental	
Storage Temperature *	-40°C to 105°C
Usage Temperature	-40°C to 85°C
Humidity	Non-condensing 65°C 95% RH
RoHs Compliant	Yes