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APPROVED: _____ DATE: _____ TITLE: _____								Rev	AWO #	Description	Date	Appr
								-		RELEASED	12/22/21	
								A		ADDED SPEC.	8/11/22	LH/TW
SPECIFICATIONS:												
Material:												
SMA		SMA-M		Black								
Noumenon		ABS		Black								
Upper firmware		ABS		Black								
Lower firmware		ABS		Black								
Electrical:												
Standards		GPS/GLONASS/BEIDOU/Galileo										
Frequency range(MHz)		1559		1575.42		1602						
Peak Gain		4.3dBi		4.1dBi		4.4dBi						
Average Gain(dB)		-1.5dB		-1.7dB		-2.0dB						
VSWR		1.2		1.1		1.2						
Return Loss		-22.7		-27.8		-23.0						
Efficiency (%)		70.8%		68.1%		63.2%						
Polarization mode		Linear										
Radiation pattern		Omni-Directional										
Output impedance		50										
Max.Input Power(W)		5										
Mechanical:												
Mounting Type		Connector Mount										
Connector Type		SMA Male 3M										
Antenna size(mm)		109.0*ø10.0mm										
Material		ABS										
Operating Temperature		-40°C~+85°C										
Storage Temperature		-40°C~+85°C										
Weight(g)		8.23g										
Environmental: Lead free, RoHS compliant.												
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM]. TOLERANCES: EXCEPT AS NOTED								909 Rahway Avenue, Union, NJ 07083 Phone: 908-687-5000 Fax: 908-687-5710				
INCHES .X ±.10 .XX ±.020 .XXX ±.015								HOLES ØX ±.10 ØXX ±.015 ØXXX ±.010				
DRAWN		WX		12/22/21		TITLE		2G 3G EXTERNAL ANTENNA, STRAIGHT WITH SMA MALE				
CHECKED		RC		12/22/21		SIZE		PART NO.		REV.		
APPROVED						X		ANT-20087EB56		A		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION FROM ADAM TECH								REF: S00207C		SCALE: NTS		
								SHEET 1 OF 1				

Technical drawing of a 2G 3G external antenna. The drawing shows three views: a side view, a front view, and a top view. Dimensions are provided in inches and millimeters. Key dimensions include: overall length 4.291 [109.00], antenna diameter ø.299 [7.60], and base diameter ø.394 [10.00]. A note indicates: Coating thickness of Needle: 0.05um, Outer Coating Thickness: 15-20um.

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