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APPROVED: _____ DATE: _____ TITLE: _____						Rev	AWO #	Description	Date	Appr																																																																																																														
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						A		ADDED SPEC.	8/11/22	LH/TW																																																																																																														
SPECIFICATIONS: Material: <table><tr><td>SMA</td><td>SMA-M</td><td>Black</td></tr><tr><td>Noumenon</td><td>ABS</td><td>Black</td></tr><tr><td>Upper firmware</td><td>ABS</td><td>Black</td></tr><tr><td>Lower firmware</td><td>ABS</td><td>Black</td></tr></table> Electrical: <table><tr><td>Standards</td><td colspan="3">GPS/GLONASS/BEIDOU/Galileo</td></tr><tr><td>Frequency range(MHz)</td><td>1559</td><td>1575.42</td><td>1602</td></tr><tr><td>Peak Gain</td><td>4.3dBi</td><td>4.1dBi</td><td>4.4dBi</td></tr><tr><td>Average Gain(dB)</td><td>-1.5dB</td><td>-1.7dB</td><td>-2.0dB</td></tr><tr><td>VSWR</td><td>1.2</td><td>1.1</td><td>1.2</td></tr><tr><td>Return Loss</td><td>-22.7</td><td>-27.8</td><td>-23.0</td></tr><tr><td>Efficiency (%)</td><td>70.8%</td><td>68.1%</td><td>63.2%</td></tr><tr><td>Polarization mode</td><td colspan="3">Linear</td></tr><tr><td>Radiation pattern</td><td colspan="3">Omni-Directional</td></tr><tr><td>Output impedance</td><td colspan="3">50</td></tr><tr><td>Max.Input Power(W)</td><td colspan="3">5</td></tr></table> Mechanical: <table><tr><td>Mounting Type</td><td>Connector Mount</td></tr><tr><td>Connector Type</td><td>SMA Male 3M</td></tr><tr><td>Antenna size(mm)</td><td>109.0*ø10.0mm</td></tr><tr><td>Material</td><td>ABS</td></tr><tr><td>Operating Temperature</td><td>-40°C~+85°C</td></tr><tr><td>Storage Temperature</td><td>-40°C~+85°C</td></tr><tr><td>Weight(g)</td><td>8.23g</td></tr></table> Environmental: Lead free, RoHS compliant. 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: total length 4.291 inches [109.00mm], mounting bracket length 2.650 inches ±0.020 [67.30mm ±0.50mm], and mounting bracket diameter ø.394 inches [10.00mm]. A note indicates: Coating thickness of Needle: 0.05um, Outer Coating Thickness: 15-20um. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM]. TOLERANCES: EXCEPT AS NOTED <table><tr><td colspan="2">INCHES</td><td colspan="2">HOLES</td></tr><tr><td>.X ±.10</td><td>ØX ±.10</td><td colspan="2"></td></tr><tr><td>.XX ±.020</td><td>ØXX ±.015</td><td colspan="2"></td></tr><tr><td>.XXX ±.015</td><td>ØXXX ±.010</td><td colspan="2"></td></tr></table><table><tr><td>DRAWN</td><td>WX</td><td>12/22/21</td></tr><tr><td>CHECKED</td><td>RC</td><td>12/22/21</td></tr><tr><td>APPROVED</td><td></td><td></td></tr></table> THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION FROM ADAM TECH ADAM TECH 909 Rahway Avenue, Union, NJ 07083 Phone: 908-687-5000 Fax: 908-687-5710 <table><tr><td colspan="2">TITLE</td></tr><tr><td colspan="2">2G 3G EXTERNAL ANTENNA, STRAIGHT WITH SMA MALE</td></tr><tr><td>SIZE</td><td>PART NO.</td></tr><tr><td>X</td><td>ANT-20087EB56</td></tr><tr><td>REF:</td><td>S00207C</td></tr><tr><td>SCALE:</td><td>NTS</td></tr><tr><td colspan="2">SHEET 1 OF 1</td></tr></table> REV. A												SMA	SMA-M	Black	Noumenon	ABS	Black	Upper firmware	ABS	Black	Lower firmware	ABS	Black	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			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	INCHES		HOLES		.X ±.10	ØX ±.10			.XX ±.020	ØXX ±.015			.XXX ±.015	ØXXX ±.010			DRAWN	WX	12/22/21	CHECKED	RC	12/22/21	APPROVED			TITLE		2G 3G EXTERNAL ANTENNA, STRAIGHT WITH SMA MALE		SIZE	PART NO.	X	ANT-20087EB56	REF:	S00207C	SCALE:	NTS	SHEET 1 OF 1	
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