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May 4, 2017

To: All customers using SH Series GPS antenna

Re: End of life notice

Dear customer,

Linx Technologies is announcing the end-of-life of the ANT-GPS-SH-SMA, ANT-GPS-SH-MCX and ANT-GPS-SH-MMX Series of antennas, and the launch of the SH2 Series GPS antennas.

Key components critical to the design of the SH Series antennas have been discontinued by the IC manufacturer. The SH2 Series of GPS antennas is being introduced with the same form and fit as the SH Series but with added functionality, including GLONASS support.

We will continue to supply product to customers as stock allows, and to work closely existing customers to ensure their migration to the SH2 Series antenna goes smoothly. Please contact Linx if you have questions, concerns or would like more information.

## End of Life Notice for ANT-GPS-SH-ccc Series Antenna

PCN #: LEOL-170504-1

Publish Date: May 4, 2017

### Type of Change

End of life

### Products Affected

SH Series Antenna going EOL	Replacement SH2 Series Antenna
<ul style="list-style-type: none"><li>• ANT-GPS-SH-SMA</li></ul>	<ul style="list-style-type: none"><li>• ANT-GPS-SH2-SMA</li></ul>
<ul style="list-style-type: none"><li>• ANT-GPS-SH-MCX</li></ul>	<ul style="list-style-type: none"><li>• ANT-GPS-SH2-MCX</li></ul>
<ul style="list-style-type: none"><li>• ANT-GPS-SH-MMX</li></ul>	<ul style="list-style-type: none"><li>• ANT-GPS-SH2-MMX</li></ul>

### Description of Change

End of life notice for the above-mentioned SH Series antenna.

### Reason for Change

End-of-life for key IC components used in design

### Effect of Change

Production on the above noted products will cease. We will continue to supply products to customers as stock allows.

The SH2 Series of GPS+GLONASS antennas replaces the SH Series. The SH2 Series has the same physical package with similar or better electrical performance compared to the SH Series. A summary table of the key parameters is presented below.

Specification	SH Series Antenna	SH2 Series Antenna
<b>Coverage</b>	GPS	GPS + GLONASS
<b>Center Frequency</b>	1575.42 MHz	1575.42MHz , 1602MHz
<b>Bandwidth</b>	10 MHz @ -3dB	10MHz @ -3dB
<b>Impedance</b>	50-ohms	50-ohms
<b>VSWR</b>	1.5 typ.	1.5 typ.
<b>Antenna Gain</b>	5.0 dB min.	5.0 dB typ.
<b>Axial Ratio</b>	1.0 dB typ.	1.0 dB typ.
<b>Elevation Angle Coverage</b>	5-90 degrees	5-90 degrees
<b>Azimuthal Bearing Coverage</b>	360 degrees	360 degrees
<b>Polarization</b>	RHCP	RHCP
<b>System Gain</b>	28 dB (typ. Includes 4dB cable & filter loss)	28 +/- 1dB (Includes 3m cable & filter loss)
<b>Noise Figure</b>	<1.8 dB @ 2dB max.	1.0 dB typ.
<b>Input Voltage</b>	+2.5 to + 12 VDC	+2.5 to +5.5 VDC typ.
<b>Current</b>	5-10 mA typ. @ 5 V (11-13 mA max. @ 12 V)	5-8 mA typ. @ 5 V
<b>Operating Temperature Range</b>	-30° C to +85° C	-30° C to +85° C
<b>Mounting</b>	Magnetic and/or screw	Magnetic and/or screw
<b>Cable and Cable Length</b>	117" +/- 6" [3m] RG-174U (low-loss, 0.7 dB/m)	117" +/- 6" [3m] RG-174U (low-loss, 0.7 dB/m)
<b>Connector Options</b>	SMA, MCX, MMCX	SMA, MCX, MMCX



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<b>Weight</b>	3.32 oz. [94 gm]	2.79 oz. [79 gm]
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### **Anticipated Last Ship Date**

July 2017

### **Qualification Data**

N/A

### **Last Time Buy Date**

No formal last time buy date is established