



REGULATORY TESTING FROM START TO CERTIFICATE

Intro

Antenna gain documentation required for all FCC Part 15 devices. Must provide either an antenna datasheet/specification or a test report with gain measurements and plots. This Information cannot be held confidential.

Additionally, proprietary information of the design itself can remain confidential in either the 'operational description' or 'schematic'.

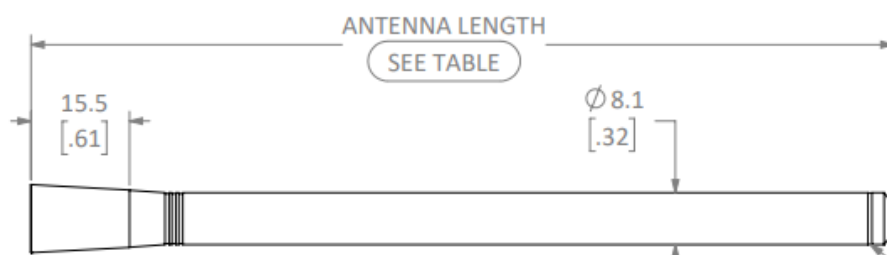
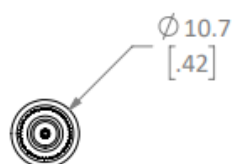
Antenna specification:

1. **Company:** Afimilk Agricultural Cooperative LTD.
2. **Product name:** Afimilk Reader H, 9,AF 5.5+ Compatible
3. **RF module/chip:** CC1121
4. **Antenna description**

Antenna type	dipole
Antenna manufacturer	TE
Antenna datasheet	https://www.te.com/commerce/DocumentDelivery/DDEController?Action=srchtrv&DocNm=ANT-916-CW-HW&DocType=Data%20Sheet&DocLang=English&DocFormat=pdf&PartCntxt=ANT-916-CW-HW https://www.te.com/commerce/DocumentDelivery/DDEController?Action=srchtrv&DocNm=C-ANT-fff-CW-HW-ccc&DocType=Customer%20Drawing&DocLang=English&DocFormat=pdf&PartCntxt=ANT-916-CW-HW
Frequency range	900-930 MHz
Antenna gain max (peak)	1.2 dBi
Connector type	RP-SMA

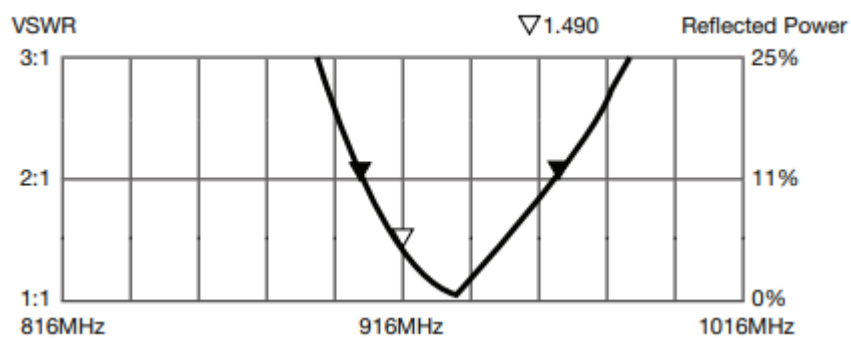
5. Antenna layout

LINX PART NUMBER	FREQUENCY	PEAK GAIN	COLOR BAND	CONNECTOR	ANTENNA LENGTH $\pm 2.0\text{mm}$
ANT-916-CW-HW	916 MHz	1.2 dBi	YELLOW PANTONE 116C	RP-SMA	120.0 [4.72]



6.

VSWR Graph



7. Antenna photo

