



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'.



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Antenna specification:

1. **Company:** Afimilk Agricultural Cooperative LTD.
2. **Product name:** Afi2Go Wand
3. **RF module/chip:** RFID ISO
4. **Antenna description**

Antenna type	FPC
Antenna manufacturer	KV ELECTRONICS CO., LTD. / Afimilk
Antenna datasheet	KV24002 AfiWand ISO RF Antenna Spec.pdf
Frequency range	134.2 KHz
Antenna gain	0dBi

1. Components list.

Item.	Material.	Manufacturer.
1. Core AR10x140	Ni-Zn	Xiamen Yuxiang Magnetic Materials Technology Co., Ltd.
2. Connector 691304300002	PA66	Wurth ElectroniK Co., Ltd.
3. Copper wire	Polyurethane enameled Copper (155 deg.c).	Siam Pacific Electric Wire & Cable Co., Ltd. UL no. E142108.
4. Insulation tape	Polyester #1350F-1 (130 deg.c) Polyester #35660 (130 deg.c)	3M UL No.E17385. Symbio INC UL.no. E50292.
5. Glue loctile product 460	Single component urethane mathacrylate	Henkel.
6. Label sticker size (5.80 cm. X 0.635 cm.)	Paper	Ribbon Thailand.
7. Solder bar	Sn 99.3% / Cu 0.7%	Ultra core.

The drawing and dimension in millimeter unit.

