



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.

<u>Item.</u>	<u>Material.</u>	<u>Manufacturer.</u>
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 loctite 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.



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The drawing and dimension in millimeter unit.

