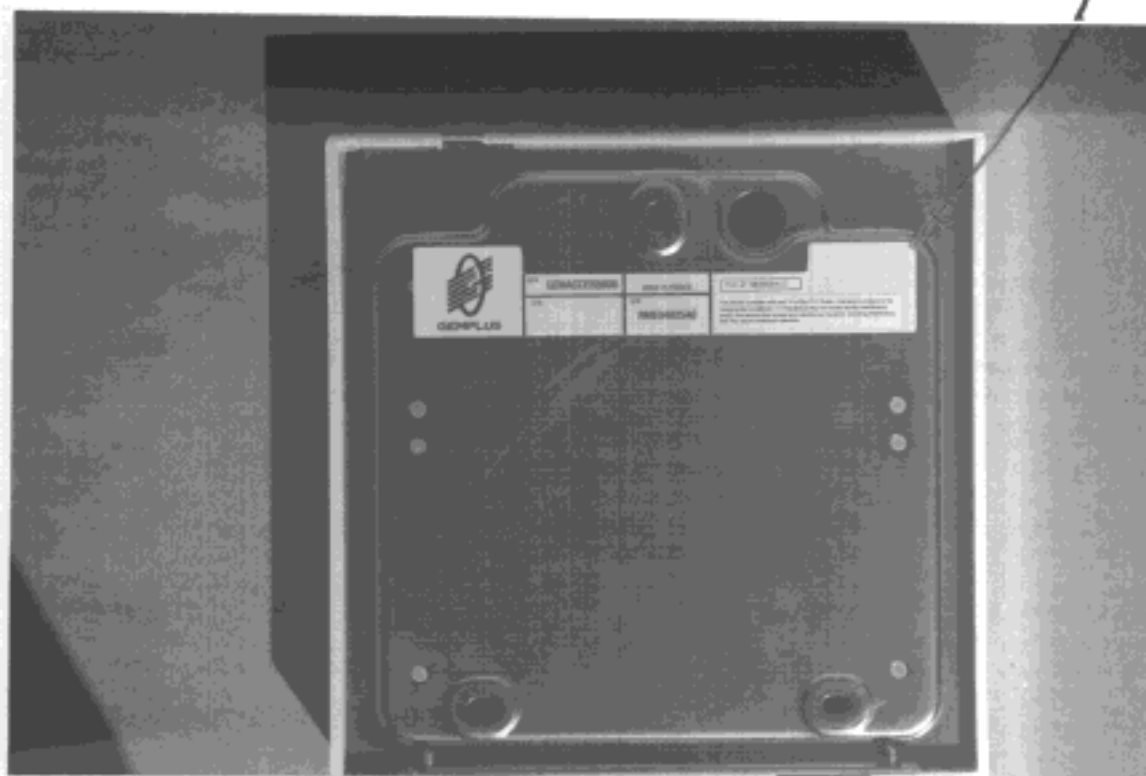




This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and(2) this device must accept any interference received, including interference that may cause undesired operation.



B	0	0	Lg totale 126 > 140 et "oreilles" lg 23 > 30	YLN	PAC	MB	21/08/97
Ind.	Amt.	Cor.	Libellé	Réalisé	Vérifié	Validé	Date
Tol. Générale	+/- 0.2	Echelle		Ce document est la propriété de GEMPLUS. Il ne peut être reproduit, communiqué ou utilisé sans autorisation ou licence spéciale.			
Tol. Entraxe	/	/					
Matière	Voir nota	Traitement	Voir nota	Folio	 Voie Antiope Athélia III 13705 LA CIOTAT cedex FRANCE		
Visa:	Réalisé LE NEVEZ	Vérifié COLLET	Validé BERTHOZAT	1/1	Correction 0 Amendement 0		
Date:	01/07/97	01/07/97	01/07/97				
Nom S/T	Référence S/T			Référence GEMPLUS			
Désignation							



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La Gaude, le 13 novembre 1997.

GEMPLUS
Monsieur P.A. Collet
Voie Antiope Athelia III
13705 La Ciotat

Ref: gem97112.lwp

Dear Mr Collet,

You will find here under our conclusions about the measurement of the receiver bandwidth of your products.

GCI680 and GEMACCESS receiving bandwidth:

The transmitter section is permanently connected to the antenna and to the receiving input.

When the contactless card comes in the vicinity of the GCI680 loop antenna, the energy detected by the receiving section is damped.

As the only periodic part of the receiving section is composed by a LC tuned circuit and due to the fact that the Q of that circuit is depending on the vicinity of the card, the receiving bandwidth is variable and difficult to quantify.

For such a specific design, if a bandwidth measurement is required, we need technical guidance from the FCC.

Best regards.

Gilbert Feraud
Responsable des opérations techniques
Laboratoire d'essais en environnement