The Voltage on pins of PRC-152 in different modes

	PT/CT Regular audio	LOAD OTAR TEK	LOAD DSS Public Key	LOAD HQII KOI-18	LOAD VULOS KYK-13	LOAD TRANSEC MX-18290	LOAD KYZ-10 DS-102	LOAD KYZ-10 DS-101	LOAD STP TERMINAL
A	0V	+5V	0V	+4.7V	+4.7V	+4.7V	+4.7V	0V	0V
B	Audio Out O +2.7V	+0.1V	D+ 0V 143KOhm	0V	0V	0V	0V	D+ 0V	0V
C	PTT I +3.3V	+4.7V	+4.7V	0V	+4.3V	+4.3V	+4.4V	+4.7V	+5V
D	MIC I 0V	+0.1V	0V 5KOhm	0V	0V	0V	0V	0V	0V
E	0V	+0.1V	D- 0V	0V	0V	0V	0V	D- 0V	0V
F	0V	+4.7V	0V	+4.7V	+4.7V	+4.7V	+4.7V	0V	-5V

The Voltage on pins PRC-148 MBITR in different Modes

	PT/CT Regular audio	LOAD COMSEC Key	LOAD TRANSEC Key	LOAD MOD23 Key	LOAD MWOD-A Key				
A	0V	+5V	0V	+5V	0V				
B	Audio Out O +0V	+0V	0V	0V	0V				
C	PTT I +3.4V	+5V	+3.7V	+5V	0V				
D	MIC I 0V	+3.3V	0V	+3.3V	0V				
E	+3.4V	+3.3V	+3.7V	+3.3V	0V				
F	+5V	0V	+5V	0V	0V				

To properly load Type 1 keys the PIN_B should be held HIGH (+5V) (or connected to PIN_A)