

*If you are using a printed copy of this procedure, and not the on-screen version, then you **MUST** make sure the dates at the bottom of the printed copy and the on-screen version match. The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are available by contacting the ESSHQ Procedures Coordinator, Bldg. 911A*

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

5.23.a AGS RF and VHF Cavity Checkout

Text pages 2 through 3

C-A OPM Procedures in which this Attachment is used.		
5.23		

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
_____	_____	_____	_____
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_____	_____	_____	_____

Approved: _____ *Signature on File* _____
 Collider-Accelerator Department Chairman Date

P. Sampson

AGS RF and VHF Cavity Checkout

1. AGS RF and VHF cavity checkout:

- [1] Application 'AGSRFBeamControl' operational _____.
- [2] 'VHFControl' operational _____.
- [3] STORE or desired function file loaded.
 - [3.1] For the Radial steering _____.
 - [3.2] For the Frequency steering _____.
 - [3.3] For the Counterphasing _____.
 - [3.4] For the Scaler volts per turn _____.
 - [3.5] For the VHF Cavity _____.
- [4] 'LIVE' functions reflect loaded functions.
 - [4.1] For the AGS RF _____.

Comments _____

- [4.2] For VHF Cavity _____.

Comments _____

[5] MUX signals:

Signal O.K.	Yes	No	Comments/date/time
<u>AGS</u>			
RADIAL_STEER	___	___	_____
RF_V_FUNCTION	___	___	_____
DTECT_VECT_SUM	___	___	_____
FREQUENCY_STEER	___	___	_____
COUNTER_PHASE	___	___	_____
RF_VECTOR_SUM	___	___	_____
RF_B_GAP_V	___	___	_____
RF_BC_GAP_V	___	___	_____
RF_C_GAP_V	___	___	_____
RF_D_GAP_V	___	___	_____
RF_DE_GAP_V	___	___	_____
RF_E_GAP_V	___	___	_____
RF_IJ_GAP_V	___	___	_____
RF_JK_GAP_V	___	___	_____
RF_K_GAP_V	___	___	_____

Signal O.K.	Yes No		Comments/date/time
RF_KL_GAP_V	___	___	_____
HLRF_MN_TUNE_I	___	___	_____
<u>VHF</u>			
FORWARD_POWER	___	___	_____
GAP_VOLTS	___	___	_____
REVERSE_POWER	___	___	_____

AGS R.F. Ready and Operating functions for "RFBeamControl" given to the MCR Function name _____ System specialist _____ Date _____

VHF cavity Ready and Operating functions for "VHFControl" given to the MCR Function name _____ System specialist _____ Date _____

Operations Coordinators Signature _____ Date: _____