Tune Mode Generator Hot Check-Out (HCO) checklist (version 2, 4/1/24)

	a Hall A	/Coriol Nos	TN4C-	Mayanlata-	Chuthau-
•		•		, Waveplate= c (shutter closed, wave	
				nited (shutter open, w	•
	iii.		Tune Mod	e (shutter open, wave	plate in)
	iv.		Continuoប	ıs Wave (shutter open	, waveplate out)
	V.	Notes			
				, Waveplate=	
				c (shutter closed, wave	
			_	nited (shutter open, w	
		-	-	e (shutter open, wave	
				ıs Wave (shutter open	• •
	v.	140162			
•		-		, Waveplate=	
				c (shutter closed, wave	-
			_	nited (shutter open, w e (shutter open, wave	
				e (shutter open, wave is Wave (shutter open	
			_	s wave (shatter open	•
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(, Waveplate=	
	l.		Daam Cun	a /abuttar alacad way	
				c (shutter closed, wave	•
	ii.		Viewer Lin	nited (shutter open, w	aveplate in)
	ii. iii.		_ Viewer Lin Tune Mod	nited (shutter open, w e (shutter open, wave	raveplate in) plate in)
	ii. iii. iv.		Viewer Lin Tune Mod Continuou	nited (shutter open, w e (shutter open, wave ıs Wave (shutter open	raveplate in) plate in) , waveplate out)
	ii. iii. iv.		Viewer Lin Tune Mod Continuou	nited (shutter open, w e (shutter open, wave	raveplate in) plate in) , waveplate out)
tep 2 – Las	ii. iii. iv. v.	Notes	Viewer Lin Tune Mod Continuou	nited (shutter open, w e (shutter open, wave ıs Wave (shutter open	raveplate in) plate in) , waveplate out)
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-	ii. iii. iv. v. ser powe n test with	Notes r extinction (- Viewer Lin - Tune Mod - Continuou (indicate n/a	nited (shutter open, we (shutter open, wave is Wave (shutter open) if laser not tested) er inserted & attenuat	vaveplate in) plate in) , waveplate out) or=1000
-	ii. iii. iv. v. ser powe n test with Mode	Notes r extinction (- Viewer Lin - Tune Mod - Continuou (indicate n/a	nited (shutter open, we (shutter open, wave is Wave (shutter open)	raveplate in) plate in) , waveplate out)

Viewer Limited Beam Sync

Step 3 – Waveforms (indicated n/a if laser not tested)

- Perform test with fixed attenuator
- Record traces on a scope

e.	Hall A (attenuator	=, power =)
	i	- Beam sync (10 ms/div)	
	ii	- Viewer Limited (10 ms/div)	
	iii	- Viewer Limited (<10 us/div)	
	iv	- Tune Mode (10 ms/div)	
	V	- Tune Mode (100 us/div)	
	vi	- Continuous Wave (10 ms/div)	
	vii. Notes		
f.		=, power =)
		- Beam sync (10 ms/div)	
		- Viewer Limited (10 ms/div)	
		- Viewer Limited (<10 us/div)	
	iv	- Tune Mode (10 ms/div)	
	V	- Tune Mode (100 us/div)	
	vi	- Continuous Wave (10 ms/div)	
	vii. Notes		
~	Hall Clattenuator	- nower -	1
g.		=, power = - Beam sync (10 ms/div)	/
	ii	Viouer Limited (10 mg/div)	
		- Viewer Limited (10 ms/div)	
	iii	- Viewer Limited (<10 us/div)	
	iii iv	- Viewer Limited (<10 us/div) - Tune Mode (10 ms/div)	
	iii iv v	- Viewer Limited (<10 us/div) - Tune Mode (10 ms/div) - Tune Mode (100 us/div)	
	iii iv v vi	- Viewer Limited (<10 us/div) - Tune Mode (10 ms/div) - Tune Mode (100 us/div) - Continuous Wave (10 ms/div)	
	iii iv v	- Viewer Limited (<10 us/div) - Tune Mode (10 ms/div) - Tune Mode (100 us/div) - Continuous Wave (10 ms/div)	
h.	iii iv v vi vii. Notes	- Viewer Limited (<10 us/div) - Tune Mode (10 ms/div) - Tune Mode (100 us/div) - Continuous Wave (10 ms/div)	
h.	iii	- Viewer Limited (<10 us/div) - Tune Mode (10 ms/div) - Tune Mode (100 us/div) - Continuous Wave (10 ms/div), power =)
h.	iii iv v vi vii. Notes Hall D (attenuator =	- Viewer Limited (<10 us/div) - Tune Mode (10 ms/div) - Tune Mode (100 us/div) - Continuous Wave (10 ms/div) =, power = Beam sync (10 ms/div))
h.	iii iv vi vii. Notes Hall D (attenuator ii ii	- Viewer Limited (<10 us/div) - Tune Mode (10 ms/div) - Tune Mode (100 us/div) - Continuous Wave (10 ms/div), power =)
h.	iii iv vi vii. Notes Hall D (attenuator =	- Viewer Limited (<10 us/div) - Tune Mode (10 ms/div) - Tune Mode (100 us/div) - Continuous Wave (10 ms/div) =, power = Beam sync (10 ms/div) - Viewer Limited (10 ms/div) - Viewer Limited (<10 us/div))
h.	iii iv vi vii. Notes Hall D (attenuator ii ii iii iv	- Viewer Limited (<10 us/div) - Tune Mode (10 ms/div) - Tune Mode (100 us/div) - Continuous Wave (10 ms/div) - power =, power = Beam sync (10 ms/div) - Viewer Limited (10 ms/div) - Viewer Limited (<10 us/div) - Tune Mode (10 ms/div))
h.	iii iv vi vii. Notes vii. Notes ii iii iv vv vv vv.	- Viewer Limited (<10 us/div) - Tune Mode (10 ms/div) - Tune Mode (100 us/div) - Continuous Wave (10 ms/div) =, power = Beam sync (10 ms/div) - Viewer Limited (10 ms/div) - Viewer Limited (<10 us/div))

Step 4 – Document hot check-out steps in electronic logbook.

Attach checklist and scope traces to ELOG/POLOG entry.