

## **ENGINEERING MEMO**

Initiated by:		Dave Emrich						
Project Manager:			Tom Booler					
Proposed Priority:			Fast Track	X	Normal			
Title: RF Amplifiers in the MWA Low-noise amplifier board								
Affected item(s):								
All tiles at the MRO								
Technical description: The manufacturer of the amplifier used in the MWA LNA Board that sits inside the dipole hub has declared								
ATF54143 a new chip A part (SAN tested in the performan remains to replaceme	HEMT am has been /541+) wine LNA circe in: gair confirm ants.	plifier quali th ver cuit b	fied. y similar characteristi oard. Without any ot equency, bias voltage	f run-o ics was her pa	ut stocks of sidentified rts change cross-polar	of this chip was I from a differents, the LNA designisation coupling	that is obsolete is the procured to mitigate risk untilent manufacturer and has been gn appears to show identical g performance. It only ed suitable for ongoing	
Effective Date: (dd-mm-yyyy)		2018-06-12						
Reason for given effective date:								
		Minimal since the new part is similar in price.						
		Initially major due to not having identified a suitable part.						
Other impacts:		None apparent.						
Attached Document(s):								
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Email: d.emrich@c		@curt	in.edu.au	Date	:	2018-06-12		