Date: 05/05/2019	25MHz to 1.25GHz VNA			Drawn By: Josh Johnson
	PLL w/ VCO SP4T Switch MAX2871 PE42440 23.5-6000 MHz IL = 0.5dB -4 to +5dBm P1dB = +41dBm	PE42440 SK IL = $0.5dB$ (0.	Source Leveling  Amplifier TRF37A75 SdB to 31.5dB) $= 2dB$ Amplifier TRF37A75 $G = 12dB$ $P1dB = +18dBm$ $IP3 = +32.5dBm$	Coupling  Directional Coupler ADC-15-4+ ADC-15-4+ F = 5 to 1000 MHz IL = 0.6dB I5dB Coupling > 24dB Directivity  Directional Coupler ADC-15-4+ F = 5 to 1000MHz IL = 0.6dB I5dB Coupling > 24dB Directivity
	LFCI	N-225+ N-400+		
		1-1000+	Level Control  Log Power Detector AD8319 F = 1 MHz to 10 GHz Pin = -50 to 0 dBm	-6dB Resistive Split
	MCU STM32F373 16bit Sigma-Delta ADC Inbuilt USB	Gain/Phase De	etector	
		−V MAG	RF A Reference (REF)	
Host Computer	USB ADC ADC SPI Flash	AD8302	SPDT Switch F2923 IL = 0.5dB ISO > 60dB Signal	
		−V PHASE	RF B (DUT) Through	-6dB
		Gain / Phase Detect AD8302 Pin = -60 to 0dBm Fin = 0 to 2700MHz Vout = 0 to 1.8V		-21dB