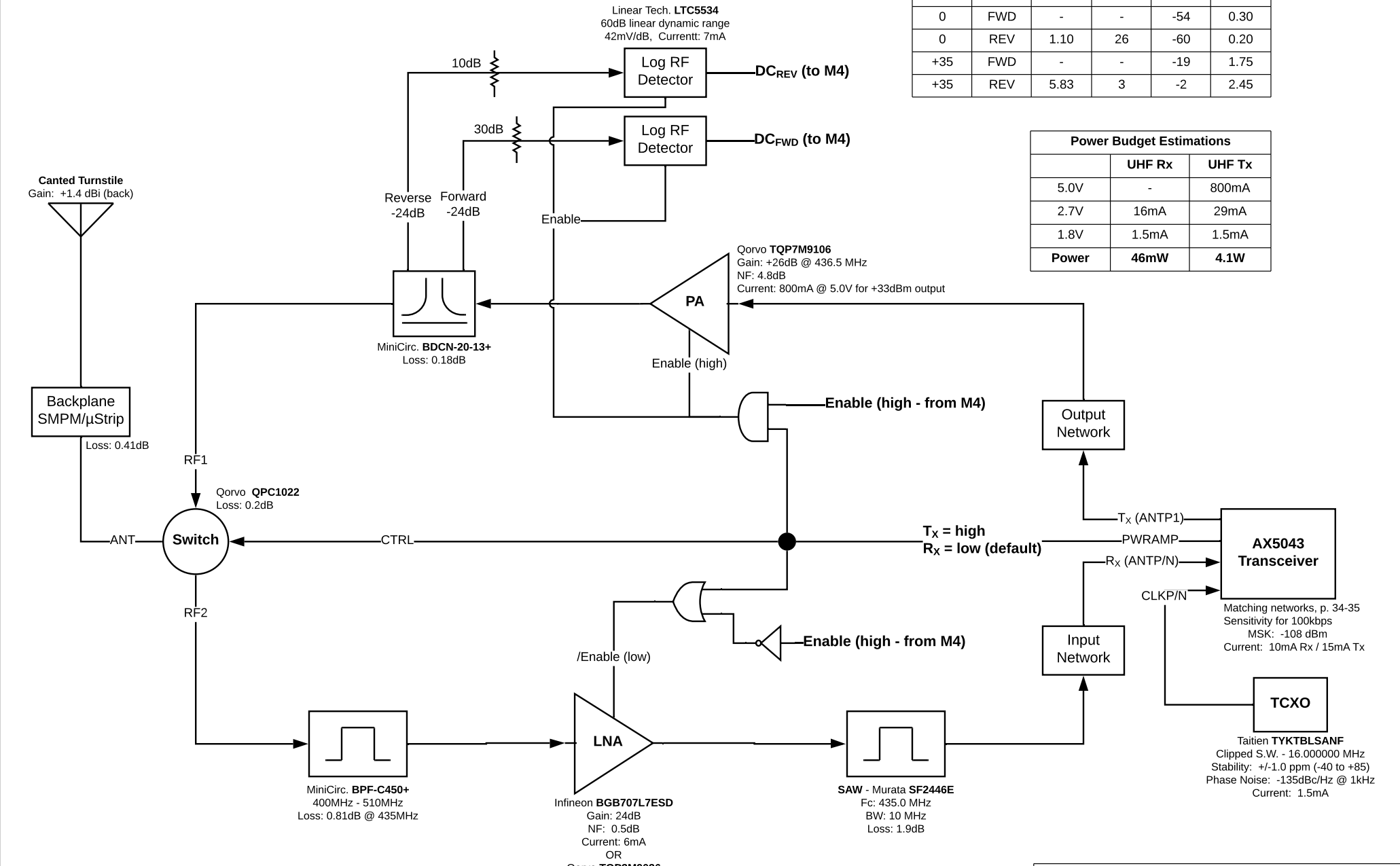


Direction	PA (W)	G.S. (dBm)	Link Loss (dB)	S/C (dBm)	G/T (dB/K)
Uplink	2.0 @ G.S.	+45.9 EIRP	150.7 @ 10°	-104.5 Isotropic	-23.5 @ S/C
Downlink	1.0 @ S/C	-119.8 Isotropic	150.7 @ 10°	+30.6 EIRP	-12.2 @ G.S.

Power Detection					
PA T _x (dBm)	Direction	VSWR	RL (dB)	RF Det. In (dBm)	DC Out (V)
0	FWD	-	-	-54	0.30
0	REV	1.10	26	-60	0.20
+35	FWD	-	-	-19	1.75
+35	REV	5.83	3	-2	2.45

Power Budget Estimations		
	UHF Rx	UHF Tx
5.0V	-	800mA
2.7V	16mA	29mA
1.8V	1.5mA	1.5mA
Power	46mW	4.1W



- Notes:
- Devices use 2.7V low quiescent current LDOs, except for TCXO which uses 1.8V
 - Power amp uses 5.0V step-down converter
 - For link models see GitHub (oresat-c3-rf/link-models)

70cm Front-End Transceiver on S/C	
Primary downlink & secondary uplink	
Operating Freq: 435 - 438 MHz	
Date: 2019-09-09	Rev: 3.0