

Table 4 - Operating Driving Frequency

Name	Range		Initial Test Frequency	Notes
f_b	max	11 GHz	9.95328 GHz	Optimal value may change depending on the above formula. At each frequency point, the tolerance is 2E-5 or 200 kHz. Laser temperature is set at 37.2degrees C.
	min	5.0 GHz		
f_R	N/A		1.68 MHz	

The laser temperature must be set to match the RF drive frequency f_b . Table 5 provides the parameters for the laser to operate at frequency of 5GHz, 10GHz and 11GHz.

Table 5 – Laser Operating Parameters when RF Drive Frequency is 5GHz, 10 GHz and 11GHz

Drive Frequency (GHz)	4.9924	9.95328	11.0012
Drive Level (dBm)	-5	0	0
Laser Temperature (C)	37.2		
Wavelength (nm)	1550		
Wavelength Indicator	2.32		
Modulator Bias (V)	3.65	3.70	3.70
Phase Shifter (V)	13.16	6.97	8.79
Pump Current (mA)	180	600	620