

8.4 Test procedure:(voltage)

(1) Frequency shift vs. voltage:

Nominal power is 120 Vdc and the reference Frequency is 460.0000MHz

(2) The EUT was powered at 85% and 115% of nominal.

(3) Frequency shift vs. voltage:

Nominal power is 230 Vdc and the reference Frequency is 460.0000MHz

(4) The EUT was powered at 85% and 115% of nominal.

8.5 Test Result:

Nominal Frequency: 459.994401MHz Nominal Voltage: 120V Bandwidth: 12.5K

Voltage [V]	Ferquency [MHz]	Frequency Error [Hz]	Limit (2.5PPM)	Error (PPM)	Pass/Fail
138	459.993851	550	1147	1.196	PASS
120	459.994401	0	1147	0	PASS
102	459.994126	275	1147	0.598	PASS

Nominal Frequency: 459.994450 MHz Nominal Voltage: 230V Bandwidth: 12.5K

Voltage [V]	Ferquency [MHz]	Frequency Error [Hz]	Limit (2.5PPM)	Error (PPM)	Pass/Fail
248	459.994320	130	0.283	0.283	PASS
230	459.994450	0	0	0	PASS
212	459.995213	-763	1.659	1.659	PASS