



Test Report No.: W7L-P23030005RF06

## FREQUENCY STABILITY

### Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	LV	NT	-18.15	-0.007231	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	NT	-17.74	-0.007068	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	HV	NT	-29.80	-0.011873	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	LV	NT	-16.87	-0.006655	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	NT	-13.52	-0.005333	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	HV	NT	-18.93	-0.007467	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	LV	NT	-18.91	-0.007387	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	NT	-19.08	-0.007453	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	HV	NT	-25.65	-0.010020	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	-14.15	-0.005637	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	5.05	0.002012	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	-19.07	-0.007598	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-10.09	-0.004020	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-15.89	-0.006331	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	-13.63	-0.005430	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	-18.64	-0.007426	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	12.67	0.005048	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	-22.72	-0.009052	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-15.05	-0.005937	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-7.54	-0.002974	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	17.50	0.006903	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	11.33	0.004469	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-18.77	-0.007404	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-12.47	-0.004919	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-20.54	-0.008103	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-31.29	-0.012343	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-13.56	-0.005349	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	17.07	0.006668	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-16.01	-0.006254	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	-11.12	-0.004344	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-15.72	-0.006141	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-25.85	-0.010098	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-19.27	-0.007527	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	-17.94	-0.007008	±2.5	PASS



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Band7	20MHz	QPSK	21350	100RB#0	NV	40	-14.13	-0.005520	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-6.09	-0.002379	±2.5	PASS

Note: LV = Low voltage(3.5V); NV = Normal voltage(3.8V); HV = High voltage(4.2V);NT = Normal temperature (25°C).

### MAX Deviation calculation

Frequency Stability	Frequency (MHz)	Limit Line(MHz)	Result
fL- MAX(Δ f)	2501.026500	≥2500	PASS
fH- MAX(Δ f)	2568.971500	≤2570	

Note : 1. |MAX(Δ f)| = Max Deviation

2. fL = Occ low channel f(-13dBm/MHz)

3. fH = Occ High channel fH(-13dBm/MHz)

4. |MAX(Δ f)| = -31.29 Hz.

**---END---**