

FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band14	10MHz	QPSK	23330	50RB#0	LV	NT	23.70	0.0303	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	NT	-22.39	-0.0286	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	HV	NT	10.22	0.0131	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band14	10MHz	QPSK	23330	50RB#0	NV	-30	-16.45	-0.0210	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-20	-11.63	-0.0149	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-10	20.70	0.0265	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	0	4.27	0.0055	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	10	-20.73	-0.0265	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	20	7.89	0.0101	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	30	1.30	0.0017	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	40	18.68	0.0239	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	50	-8.39	-0.0107	±2.5	PASS

MAX Deviation calculation

Frequency Stability	Frequency (MHz)	Limit Line(MHz)	Result
$f_L - \text{MAX}(\Delta f) $	788.260476	≥ 788	PASS
$f_H + \text{MAX}(\Delta f) $	797.739524	≤ 798	

- Note: 1. $|\text{MAX}(\Delta f)|$ = Max Deviation
 2. f_L = Occ low channel f_L (-13dBm/MHz)
 3. f_H = Occ High channel f_H (-13dBm/MHz)
 4. $|\text{MAX}(\Delta f)|$ = 23.7Hz.

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