



FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	LV	NT	-9.77	-0.011785	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	NT	-8.01	-0.009662	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	HV	NT	-7.60	-0.009168	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	LV	NT	-8.01	-0.009576	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	NT	-6.35	-0.007591	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	HV	NT	-10.74	-0.012839	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	LV	NT	-6.55	-0.007761	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	NT	-7.04	-0.008341	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	HV	NT	-3.13	-0.003709	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	-8.33	-0.010048	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	-8.57	-0.010338	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	-10.94	-0.013197	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	-7.57	-0.009131	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	-5.09	-0.006140	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	-5.62	-0.006779	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	-6.27	-0.007563	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	-6.31	-0.007612	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	-6.74	-0.008130	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-10.97	-0.013114	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-7.24	-0.008655	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-2.05	-0.002451	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-8.93	-0.010675	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-6.65	-0.007950	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-10.11	-0.012086	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-11.01	-0.013162	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-10.39	-0.012421	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-6.94	-0.008296	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	-6.27	-0.007429	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	-5.91	-0.007002	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	-5.45	-0.006457	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	-11.42	-0.013531	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	-9.11	-0.010794	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	-9.57	-0.011339	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	-10.39	-0.012310	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	-9.61	-0.011386	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	-11.00	-0.013033	±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)	824.505100	≥ 824	PASS
fH- MAX(Δ f)	848.49295	≤ 849	

- Note :
1. |MAX(Δ f)| = Max Deviation
 2. fL = Occ low channel fL(-13dBm/MHz)
 3. fH = Occ High channel fH(-13dBm/MHz)
 4. |MAX(Δ f)| = -11.42Hz.

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