FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	LV	NT	-8.07	-0.004692	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	NT	-4.45	-0.002587	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	HV	NT	-10.09	-0.005866	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	LV	NT	-8.25	-0.004728	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	NT	-11.44	-0.006556	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	HV	NT	-5.99	-0.003433	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	LV	NT	7.61	0.004299	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	NT	-11.43	-0.006458	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	HV	NT	3.22	0.001819	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	NV	-30	-9.01	-0.005238	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	-20	-10.33	-0.006006	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	-10	-7.98	-0.004640	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	0	-7.21	-0.004192	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	10	-10.27	-0.005971	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	20	-10.14	-0.005895	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	30	-4.29	-0.002494	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	40	8.81	0.005122	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	50	-10.31	-0.005994	±2.5	PASS
Band6	20MHz	QPSK	13232	100RB#0	NV	-30	-7.94	-0.004550	±2.5	PASS

6			2							
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-6.71	-0.003845	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	-8.35	-0.004785	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-9.28	-0.005318	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-9.24	-0.005295	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-12.83	-0.007352	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	30	-10.27	-0.005885	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	40	6.02	0.003450	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	-7.17	-0.004109	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-30	-10.96	-0.006192	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-20	-7.87	-0.004446	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-10	-3.18	-0.001797	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	0	-8.54	-0.004825	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	10	-8.58	-0.004847	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	20	11.80	0.006667	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	30	-5.42	-0.003062	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	40	-6.34	-0.003582	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	50	-11.34	-0.006407	±2.5	PASS

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

MAX Deviation calculation

Frequency Stability	Frequency (MHz)	Limit Line(MHz)	Result
fL-|MAX(△ f)|	1711.024500	≥1710	PASS
fH-|MAX(△ f)|	1778.972000	≤1780	

Note：1. |MAX(△ f)| = Max Deviation
2. fL = Occ low channel fl(-13dBm/MHz)
3. fH = Occ High channel fH(-13dBm/MHz)
4. |MAX(△ f)| = -12.83Hz.

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