



## Appendix F: Frequency Stability for NB1

### Test Result

Voltage												
Band	OpMode	SCS	Bandwidth	Modulation	Channel	Tones	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@0	VH	NT	-25.21	-0.013427	±2.5	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@0	VL	NT	-26.51	-0.014119	±2.5	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@0	VN	NT	-25.66	-0.013666	±2.5	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@47	VH	NT	-25.79	-0.013736	±2.5	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@47	VL	NT	-24.86	-0.013240	±2.5	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@47	VN	NT	-22.97	-0.012234	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@0	VH	NT	-48.01	-0.025570	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@0	VL	NT	-50.23	-0.026752	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@0	VN	NT	-45.42	-0.024190	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@11	VH	NT	-36.94	-0.019674	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@11	VL	NT	-40.74	-0.021698	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@11	VN	NT	-45.23	-0.024089	±2.5	PASS

Temperature												
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@0	NV	50	-25.08	-0.013357	±2.5	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@0	NV	-20	-26.36	-0.014039	±2.5	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@0	NV	-10	-29.81	-0.015877	±2.5	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@0	NV	0	-24.32	-0.012953	±2.5	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@0	NV	10	-26.29	-0.014002	±2.5	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@0	NV	20	-28.31	-0.015078	±2.5	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@0	NV	30	-24.73	-0.013171	±2.5	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@0	NV	40	-23.20	-0.012356	±2.5	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@0	NV	-30	-25.65	-0.013661	±2.5	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@47	NV	30	-23.40	-0.012463	±2.5	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@47	NV	20	-26.06	-0.013879	±2.5	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@47	NV	10	-24.78	-0.013198	±2.5	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@47	NV	0	-24.72	-0.013166	±2.5	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@47	NV	-10	-25.08	-0.013357	±2.5	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@47	NV	40	-27.72	-0.014764	±2.5	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@47	NV	-30	-25.31	-0.013480	±2.5	PASS

Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@47	NV	50	-26.99	-0.014375	±2.5	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@47	NV	-20	-27.62	-0.014710	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@0	NV	50	-40.11	-0.021362	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@0	NV	-20	-41.10	-0.021890	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@0	NV	-10	-43.54	-0.023189	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@0	NV	0	-38.38	-0.020441	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@0	NV	10	-36.21	-0.019285	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@0	NV	20	-36.39	-0.019381	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@0	NV	30	-39.60	-0.021091	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@0	NV	40	-43.26	-0.023040	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@0	NV	-30	-37.94	-0.020207	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@11	NV	40	-42.14	-0.022444	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@11	NV	30	-37.22	-0.019823	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@11	NV	20	-43.46	-0.023147	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@11	NV	10	-41.56	-0.022135	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@11	NV	0	-41.43	-0.022065	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@11	NV	-10	-46.96	-0.025011	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@11	NV	-30	-39.10	-0.020824	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@11	NV	50	-43.03	-0.022918	±2.5	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@11	NV	-20	-36.36	-0.019365	±2.5	PASS