



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
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@0	VH	NT	-29.60	-0.017085	±2.5	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@0	VL	NT	-32.43	-0.018719	±2.5	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@0	VN	NT	-29.41	-0.016975	±2.5	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@47	VH	NT	-29.71	-0.017149	±2.5	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@47	VL	NT	-34.52	-0.019925	±2.5	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@47	VN	NT	-29.65	-0.017114	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@0	VH	NT	-31.93	-0.018430	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@0	VL	NT	-31.81	-0.018361	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@0	VN	NT	-31.17	-0.017991	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@11	VH	NT	-28.30	-0.016335	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@11	VL	NT	-29.13	-0.016814	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@11	VN	NT	-24.69	-0.014251	±2.5	PASS

Temperature												
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@0	NV	50	-31.70	-0.018297	±2.5	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@0	NV	-20	-35.15	-0.020289	±2.5	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@0	NV	-10	-31.06	-0.017928	±2.5	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@0	NV	0	-34.92	-0.020156	±2.5	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@0	NV	10	-30.63	-0.017680	±2.5	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@0	NV	20	-35.28	-0.020364	±2.5	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@0	NV	30	-34.12	-0.019694	±2.5	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@0	NV	40	-31.77	-0.018338	±2.5	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@0	NV	-30	-36.45	-0.021039	±2.5	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@47	NV	30	-28.98	-0.016727	±2.5	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@47	NV	20	-35.73	-0.020623	±2.5	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@47	NV	10	-33.03	-0.019065	±2.5	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@47	NV	0	-34.82	-0.020098	±2.5	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@47	NV	-10	-34.05	-0.019654	±2.5	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@47	NV	40	-34.32	-0.019810	±2.5	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@47	NV	-30	-31.71	-0.018303	±2.5	PASS

Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@47	NV	50	-37.16	-0.021449	±2.5	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@47	NV	-20	-32.03	-0.018488	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@0	NV	50	-28.91	-0.016687	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@0	NV	-20	-29.77	-0.017183	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@0	NV	-10	-25.28	-0.014592	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@0	NV	0	-29.85	-0.017229	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@0	NV	10	-30.68	-0.017709	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@0	NV	20	-28.78	-0.016612	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@0	NV	30	-29.38	-0.016958	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@0	NV	40	-24.03	-0.013870	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@0	NV	-30	-29.18	-0.016843	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@11	NV	40	-27.88	-0.016092	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@11	NV	30	-24.59	-0.014193	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@11	NV	20	-28.37	-0.016375	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@11	NV	10	-25.11	-0.014494	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@11	NV	0	-29.58	-0.017074	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@11	NV	-10	-30.01	-0.017322	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@11	NV	-30	-23.20	-0.013391	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@11	NV	50	-27.24	-0.015723	±2.5	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@11	NV	-20	-24.91	-0.014378	±2.5	PASS