

Appendix F: Frequency stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	VN	NT	-4400.00	-5.644644	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	-2670.00	-3.425273	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	-2220.00	-2.847979	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	VN	NT	2490.00	3.194355	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	VL	NT	1880.00	2.411802	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	VH	NT	820.00	1.051956	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	-4750.00	-6.074169	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	-4280.00	-5.473146	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	-4450.00	-5.690537	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	VN	NT	-2550.00	-3.260870	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	VL	NT	-3100.00	-3.964194	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	VH	NT	-2480.00	-3.171355	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	-1800.00	-2.294455	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	-1800.00	-2.294455	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	-590.00	-0.752071	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	VN	NT	-1000.00	-1.274697	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	VL	NT	-1280.00	-1.631612	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	VH	NT	-1730.00	-2.205226	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	5540.00	7.084399	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	7320.00	9.360614	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	3210.00	4.104859	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	VN	NT	1640.00	2.097187	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	VL	NT	4230.00	5.409207	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	VH	NT	760.00	0.971867	±NA	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	NV	-30	-3800.00	-4.874920	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	-4250.00	-5.452213	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-10	-4200.00	-5.388069	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	-3430.00	-4.400257	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	-2680.00	-3.438101	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	-3830.00	-4.913406	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	30	-4910.00	-6.298910	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	40	-2830.00	-3.630532	±NA	PASS

Band13	5MHz	QPSK	23205	25RB#0	NV	50	-4380.00	-5.618987	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-30	1750.00	2.245029	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	2260.00	2.899294	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-10	2770.00	3.553560	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	1900.00	2.437460	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	2190.00	2.809493	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	3910.00	5.016036	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	30	2040.00	2.617062	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	40	1420.00	1.821681	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	50	2660.00	3.412444	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	-5570.00	-7.122762	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-20	-4500.00	-5.754476	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-10	-4330.00	-5.537084	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	-3680.00	-4.705882	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	-4780.00	-6.112532	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	-3390.00	-4.335038	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	30	-4840.00	-6.189258	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	40	-5980.00	-7.647059	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	50	-4170.00	-5.332481	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-30	-1240.00	-1.585678	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-20	-1800.00	-2.301790	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-10	-50.00	-0.063939	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	0	-1480.00	-1.892583	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	-1250.00	-1.598465	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	-2120.00	-2.710997	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	30	-1550.00	-1.982097	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	40	-980.00	-1.253197	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	50	-410.00	-0.524297	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	-1940.00	-2.472913	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	-2020.00	-2.574888	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-10	-2480.00	-3.161249	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	-950.00	-1.210962	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	-1740.00	-2.217973	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	-2160.00	-2.753346	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	30	-980.00	-1.249203	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	40	-2150.00	-2.740599	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	50	-1170.00	-1.491396	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-30	980.00	1.249203	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-20	40.00	0.050988	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-10	-1460.00	-1.861058	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	-860.00	-1.096240	±NA	PASS

Band13	5MHz	16QAM	23255	25RB#0	NV	10	-1150.00	-1.465902	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	20	-2210.00	-2.817081	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	30	-770.00	-0.981517	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	40	-760.00	-0.968770	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	50	-760.00	-0.968770	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	3010.00	3.849105	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	3590.00	4.590793	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	1520.00	1.943734	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	1750.00	2.237852	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	3210.00	4.104859	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	6310.00	8.069054	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	3680.00	4.705882	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	3330.00	4.258312	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	2450.00	3.132992	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-30	0.00	0.000000	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-20	3970.00	5.076726	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-10	2750.00	3.516624	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	0	4900.00	6.265985	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	10	3860.00	4.936061	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	20	-550.00	-0.703325	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	30	3010.00	3.849105	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	40	110.00	0.140665	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	50	6970.00	8.913043	±NA	PASS