

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	VN	NT	-5.51	-0.002142	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	VL	NT	6.04	0.002348	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	VH	NT	-4.94	-0.001920	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	VN	NT	-7.97	-0.003098	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	VL	NT	5.74	0.002231	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	VH	NT	-3.26	-0.001267	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	VN	NT	-3.82	-0.001472	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	VL	NT	-2.76	-0.001064	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	VH	NT	-4.88	-0.001881	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	VN	NT	-3.49	-0.001345	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	VL	NT	-4.62	-0.001780	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	VH	NT	6.12	0.002358	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	VN	NT	-6.84	-0.002613	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	VL	NT	-3.35	-0.001280	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	VH	NT	4.26	0.001628	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	VN	NT	4.31	0.001647	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	VL	NT	-6.92	-0.002644	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	VH	NT	3.83	0.001463	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	VN	NT	-5.68	-0.002206	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	VL	NT	-6.01	-0.002334	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	VH	NT	-3.50	-0.001359	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	VN	NT	-5.58	-0.002167	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	VL	NT	-5.18	-0.002012	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	VH	NT	-7.14	-0.002773	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	VN	NT	-2.69	-0.001037	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	VL	NT	-3.23	-0.001245	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	VH	NT	-3.35	-0.001291	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	VN	NT	3.82	0.001472	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	VL	NT	-2.33	-0.000898	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	VH	NT	-4.08	-0.001572	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	VN	NT	-8.23	-0.003147	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	VL	NT	-5.87	-0.002245	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	VH	NT	-5.81	-0.002222	±2.5	PASS

Band38	10MHz	16QAM	38200	50RB#0	VN	NT	-6.48	-0.002478	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	VL	NT	-6.87	-0.002627	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	VH	NT	-2.89	-0.001105	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	VN	NT	-6.29	-0.002440	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	VL	NT	-6.58	-0.002553	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	VH	NT	-3.56	-0.001381	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	VN	NT	-3.48	-0.001350	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	VL	NT	-5.58	-0.002165	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	VH	NT	-7.38	-0.002863	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	VN	NT	4.49	0.001730	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	VL	NT	-5.48	-0.002112	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	VH	NT	-4.21	-0.001622	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	VN	NT	-4.66	-0.001796	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	VL	NT	-5.65	-0.002177	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	VH	NT	-5.09	-0.001961	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	VN	NT	-4.81	-0.001841	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	VL	NT	-7.71	-0.002951	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	VH	NT	2.50	0.000957	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	VN	NT	-5.26	-0.002013	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	VL	NT	3.48	0.001332	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	VH	NT	-5.49	-0.002101	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	-4.85	-0.001880	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VL	NT	3.65	0.001415	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	-3.86	-0.001496	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VN	NT	2.69	0.001043	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VL	NT	3.91	0.001516	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VH	NT	-5.81	-0.002252	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-2.55	-0.000983	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-5.99	-0.002308	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-5.08	-0.001958	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VN	NT	-6.38	-0.002459	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VL	NT	-7.12	-0.002744	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VH	NT	8.24	0.003175	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	4.36	0.001670	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	-3.79	-0.001452	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	-3.35	-0.001284	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VN	NT	-5.01	-0.001920	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VL	NT	-4.36	-0.001670	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VH	NT	4.02	0.001540	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	NV	-30	-5.12	-0.001990	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	-20	-5.64	-0.002192	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	-10	-3.09	-0.001201	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	0	-4.68	-0.001819	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	10	-3.69	-0.001434	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	20	-4.38	-0.001703	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	30	6.81	0.002647	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	40	-7.22	-0.002807	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	50	-2.05	-0.000797	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	-30	3.99	0.001551	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	-20	4.39	0.001707	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	-10	4.02	0.001563	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	0	2.29	0.000890	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	10	-4.81	-0.001870	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	20	4.09	0.001590	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	30	-3.58	-0.001392	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	40	5.38	0.002091	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	50	3.93	0.001528	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	-30	-3.96	-0.001526	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	-20	-3.00	-0.001156	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	-10	3.10	0.001195	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	0	-3.82	-0.001472	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	10	2.80	0.001079	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	20	-4.29	-0.001653	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	30	-2.76	-0.001064	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	40	4.94	0.001904	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	50	-2.95	-0.001137	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	-30	-5.51	-0.002123	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	-20	-3.79	-0.001461	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	-10	2.26	0.000871	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	0	-5.24	-0.002019	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	10	-3.71	-0.001430	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	20	-4.71	-0.001815	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	30	5.58	0.002150	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	40	7.37	0.002840	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	50	-6.05	-0.002331	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	-30	-7.07	-0.002701	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	-20	-3.72	-0.001421	±2.5	PASS

Band38	5MHz	QPSK	38225	25RB#0	NV	-10	-7.18	-0.002743	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	0	-4.62	-0.001765	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	10	-3.60	-0.001375	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	20	4.43	0.001692	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	30	-5.42	-0.002071	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	40	-5.52	-0.002109	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	50	-5.35	-0.002044	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	-30	2.23	0.000852	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	-20	-6.19	-0.002365	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	-10	3.32	0.001268	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	0	-6.35	-0.002426	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	10	-2.82	-0.001077	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	20	-5.01	-0.001914	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	30	5.21	0.001990	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	40	-5.61	-0.002143	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	50	4.81	0.001838	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	-30	4.72	0.001833	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	-20	3.98	0.001546	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	-10	-6.11	-0.002373	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	0	-4.15	-0.001612	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	10	-4.62	-0.001794	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	20	-7.28	-0.002827	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	30	-3.76	-0.001460	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	40	-8.11	-0.003150	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	50	3.35	0.001301	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	NV	-30	-4.16	-0.001616	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	NV	-20	-4.73	-0.001837	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	NV	-10	-3.63	-0.001410	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	NV	0	-6.91	-0.002683	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	NV	10	-6.35	-0.002466	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	NV	20	-7.18	-0.002788	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	NV	30	4.69	0.001821	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	NV	40	-4.52	-0.001755	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	NV	50	-4.23	-0.001643	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	-30	-5.75	-0.002216	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	-20	-4.02	-0.001549	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	-10	-3.26	-0.001256	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	0	-8.68	-0.003345	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	10	-5.08	-0.001958	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	20	-5.65	-0.002177	±2.5	PASS

Band38	10MHz	QPSK	38000	50RB#0	NV	30	3.40	0.001310	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	40	-4.55	-0.001753	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	50	-4.28	-0.001649	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	-30	-4.73	-0.001823	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	-20	3.25	0.001252	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	-10	-3.09	-0.001191	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	0	-7.48	-0.002882	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	10	5.21	0.002008	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	20	3.79	0.001461	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	30	-6.12	-0.002358	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	40	3.10	0.001195	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	50	-4.09	-0.001576	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	-30	-7.98	-0.003052	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	-20	-4.31	-0.001648	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	-10	-7.65	-0.002925	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	0	-5.88	-0.002249	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	10	-5.88	-0.002249	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	20	-3.23	-0.001235	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	30	-7.88	-0.003013	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	40	-6.29	-0.002405	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	50	-5.84	-0.002233	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	-30	-3.02	-0.001155	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	-20	-4.06	-0.001553	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	-10	-5.61	-0.002145	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	0	4.94	0.001889	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	10	-5.18	-0.001981	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	20	-3.53	-0.001350	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	30	-6.49	-0.002482	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	40	-3.88	-0.001484	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	50	1.49	0.000570	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	-30	-4.59	-0.001781	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	-20	-4.89	-0.001897	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	-10	-4.94	-0.001917	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	0	-4.29	-0.001664	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	10	-3.65	-0.001416	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	20	5.62	0.002180	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	30	-4.42	-0.001715	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	40	-6.47	-0.002510	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	50	-4.45	-0.001726	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	NV	-30	-7.51	-0.002914	±2.5	PASS

Band38	15MHz	16QAM	37825	75RB#0	NV	-20	-5.55	-0.002153	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	NV	-10	-4.61	-0.001789	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	NV	0	-4.35	-0.001688	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	NV	10	-3.59	-0.001393	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	NV	20	-6.64	-0.002576	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	NV	30	-4.94	-0.001917	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	NV	40	-6.37	-0.002471	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	NV	50	-6.14	-0.002382	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	-30	-5.44	-0.002096	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	-20	-4.98	-0.001919	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	-10	-2.39	-0.000921	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	0	-5.28	-0.002035	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	10	-4.86	-0.001873	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	20	3.83	0.001476	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	30	4.76	0.001834	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	40	-6.55	-0.002524	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	50	3.13	0.001206	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	-30	-8.11	-0.003125	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	-20	-5.44	-0.002096	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	-10	-3.72	-0.001434	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	0	-4.86	-0.001873	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	10	5.06	0.001950	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	20	4.25	0.001638	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	30	-4.15	-0.001599	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	40	-7.61	-0.002933	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	50	-4.45	-0.001715	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	-30	-2.68	-0.001026	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	-20	-2.47	-0.000945	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	-10	-6.90	-0.002641	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	0	-7.57	-0.002898	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	10	-7.97	-0.003051	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	20	3.33	0.001275	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	30	-6.34	-0.002427	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	40	4.16	0.001592	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	50	-9.60	-0.003675	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	NV	-30	-4.98	-0.001906	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	NV	-20	-5.49	-0.002101	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	NV	-10	-3.76	-0.001439	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	NV	0	-3.46	-0.001324	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	NV	10	-4.03	-0.001543	±2.5	PASS

Band38	15MHz	16QAM	38175	75RB#0	NV	20	-7.02	-0.002687	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	NV	30	-9.64	-0.003690	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	NV	40	5.36	0.002052	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	NV	50	-3.39	-0.001298	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-30	3.81	0.001477	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	-5.32	-0.002062	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-10	4.56	0.001767	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	0	5.61	0.002174	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	10	-3.28	-0.001271	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	20	4.72	0.001829	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	30	-8.21	-0.003182	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	40	2.70	0.001047	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	50	6.21	0.002407	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-30	7.24	0.002806	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-20	-6.38	-0.002473	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-10	-3.42	-0.001326	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	0	-4.46	-0.001729	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	10	-3.92	-0.001519	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	20	-5.91	-0.002291	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	30	-7.68	-0.002977	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	40	-6.28	-0.002434	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	50	4.92	0.001907	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-2.27	-0.000875	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	4.88	0.001881	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-10	-2.95	-0.001137	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	3.92	0.001511	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-8.83	-0.003403	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	5.16	0.001988	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-7.11	-0.002740	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-3.55	-0.001368	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	-6.27	-0.002416	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-30	-4.32	-0.001665	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-20	-6.57	-0.002532	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-10	-3.96	-0.001526	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	0	-5.41	-0.002085	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	10	-5.02	-0.001934	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	20	6.29	0.002424	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	30	-4.88	-0.001881	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	40	-3.63	-0.001399	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	50	-4.59	-0.001769	±2.5	PASS

Band38	20MHz	QPSK	38150	100RB#0	NV	-30	-5.19	-0.001989	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	-7.48	-0.002866	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-10	-4.52	-0.001732	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	0	3.15	0.001207	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	10	3.30	0.001264	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	20	-2.83	-0.001084	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	30	-4.61	-0.001766	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	40	-4.94	-0.001893	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	50	-5.34	-0.002046	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-30	-7.57	-0.002900	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-20	-3.99	-0.001529	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-10	-3.22	-0.001234	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	0	2.65	0.001015	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	10	-4.89	-0.001874	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	20	-3.55	-0.001360	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	30	-6.37	-0.002441	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	40	-5.52	-0.002115	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	50	-5.16	-0.001977	±2.5	PASS

Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band38	5MHz	QPSK	37775	25RB#0	PASS
Band38	5MHz	16QAM	37775	25RB#0	PASS
Band38	5MHz	QPSK	38000	25RB#0	PASS
Band38	5MHz	16QAM	38000	25RB#0	PASS
Band38	5MHz	QPSK	38225	25RB#0	PASS
Band38	5MHz	16QAM	38225	25RB#0	PASS
Band38	10MHz	QPSK	37800	50RB#0	PASS
Band38	10MHz	16QAM	37800	50RB#0	PASS
Band38	10MHz	QPSK	38000	50RB#0	PASS
Band38	10MHz	16QAM	38000	50RB#0	PASS
Band38	10MHz	QPSK	38200	50RB#0	PASS
Band38	10MHz	16QAM	38200	50RB#0	PASS
Band38	15MHz	QPSK	37825	75RB#0	PASS
Band38	15MHz	16QAM	37825	75RB#0	PASS
Band38	15MHz	QPSK	38000	75RB#0	PASS
Band38	15MHz	16QAM	38000	75RB#0	PASS
Band38	15MHz	QPSK	38175	75RB#0	PASS
Band38	15MHz	16QAM	38175	75RB#0	PASS
Band38	20MHz	QPSK	37850	100RB#0	PASS
Band38	20MHz	16QAM	37850	100RB#0	PASS
Band38	20MHz	QPSK	38000	100RB#0	PASS
Band38	20MHz	16QAM	38000	100RB#0	PASS
Band38	20MHz	QPSK	38150	100RB#0	PASS
Band38	20MHz	16QAM	38150	100RB#0	PASS

Test Graphs







