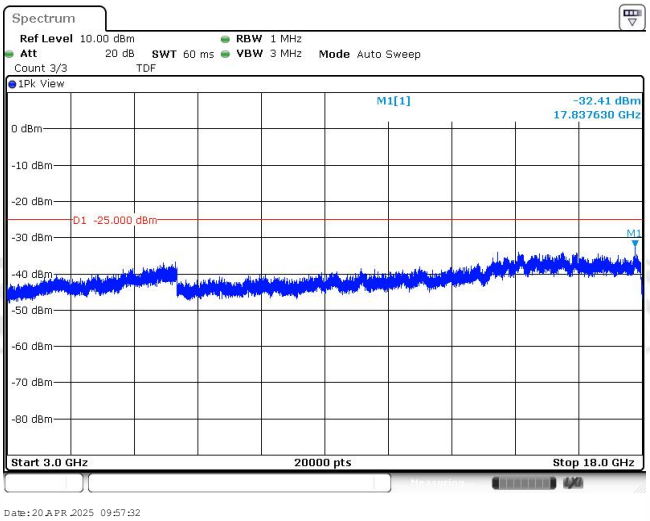
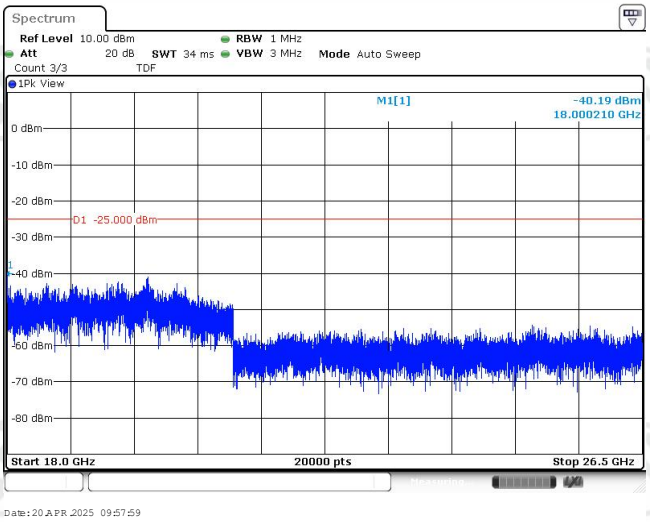
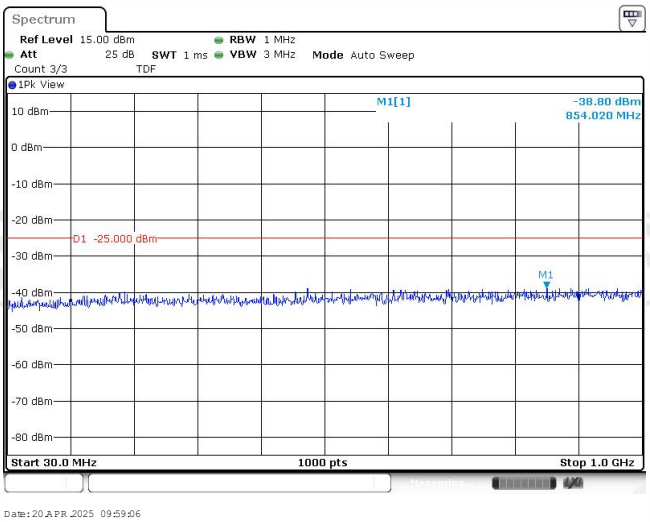


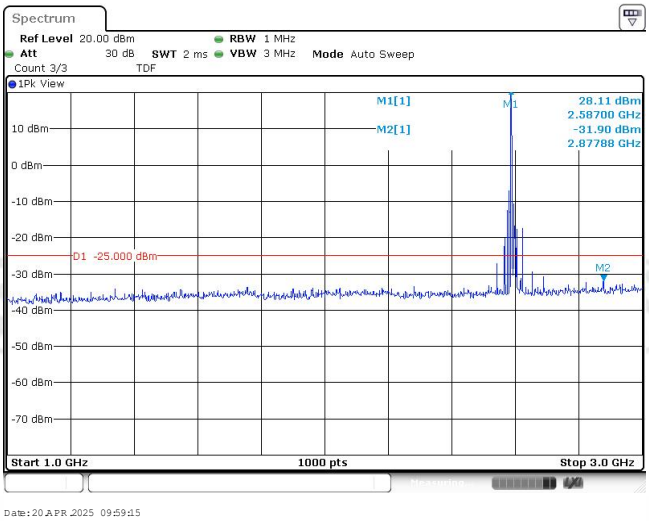
Band38-20MHz-16QAM-37850-1RB#0-Range3:3000~18000MHz



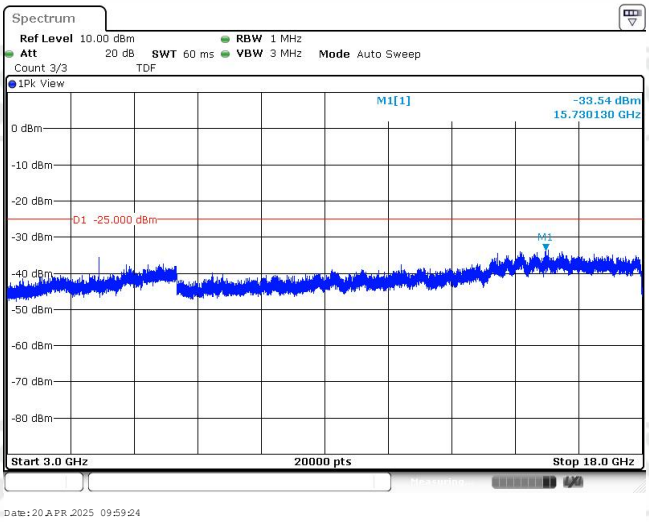
Band38-20MHz-16QAM-37850-1RB#0-Range4:18000~26500MHz



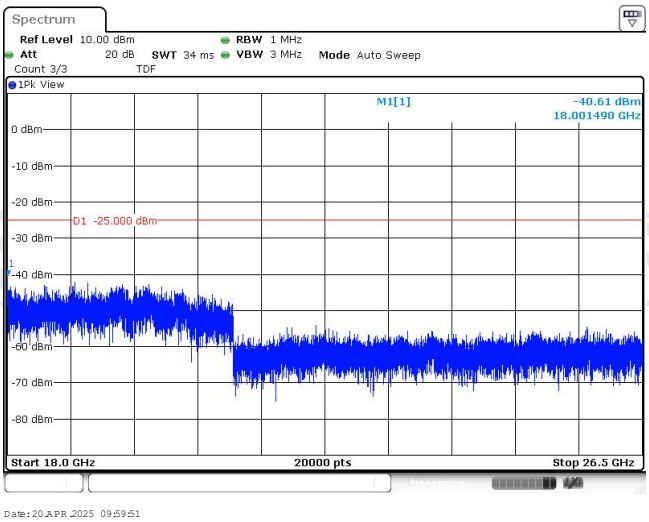
Band38-20MHz-16QAM-38000-1RB#0-Range1:30~1000MHz



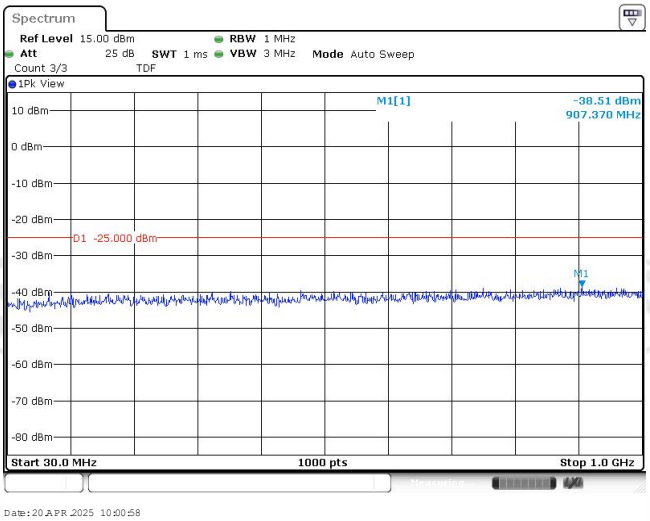
Band38-20MHz-16QAM-38000-1RB#0-Range2:1000~3000MHz



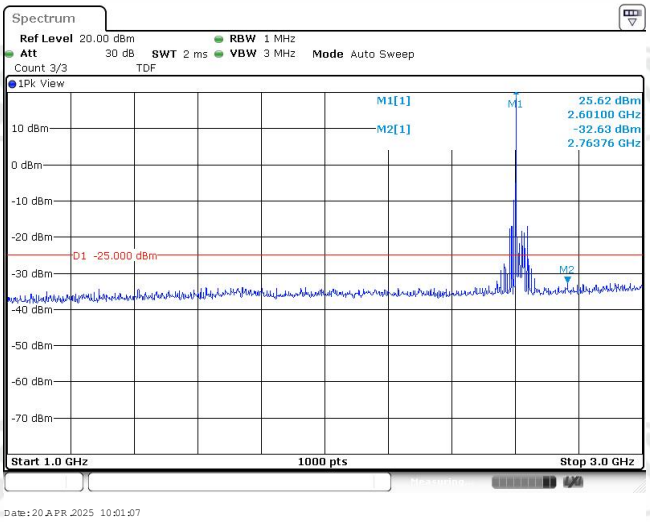
Band38-20MHz-16QAM-38000-1RB#0-Range3:3000~18000MHz



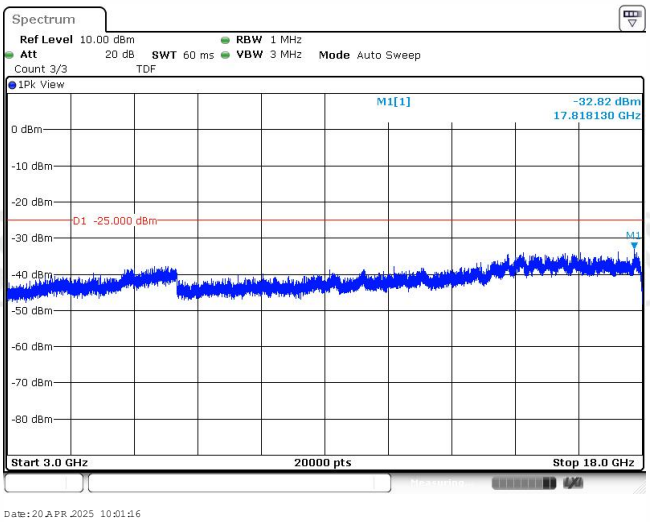
Band38-20MHz-16QAM-38000-1RB#0-Range4:18000~26500MHz



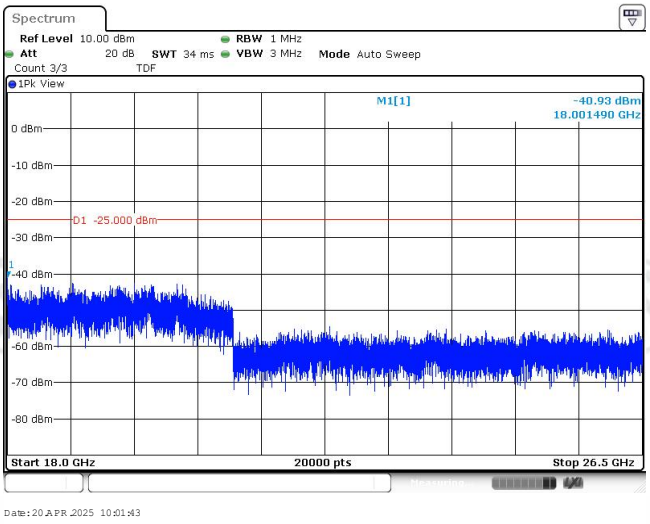
Band38-20MHz-16QAM-38150-1RB#0-Range1:30~1000MHz



Band38-20MHz-16QAM-38150-1RB#0-Range2:1000~3000MHz



Band38-20MHz-16QAM-38150-1RB#0-Range3:3000~18000MHz



Band38-20MHz-16QAM-38150-1RB#0-Range4:18000~26500MHz

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	VL	NT	-13.42	-0.005217	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	VN	NT	-9.44	-0.003670	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	VH	NT	-9.58	-0.003724	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	VL	NT	-11.84	-0.004563	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	VN	NT	-11.49	-0.004428	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	VH	NT	-13.95	-0.005376	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	VL	NT	-11.10	-0.004241	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	VN	NT	-5.05	-0.001929	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	VH	NT	-6.69	-0.002556	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	VL	NT	5.72	0.002224	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	VN	NT	-4.05	-0.001574	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	VH	NT	-8.55	-0.003324	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	VL	NT	-11.12	-0.004285	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	VN	NT	-8.33	-0.003210	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	VH	NT	-13.13	-0.005060	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	VL	NT	-12.89	-0.004925	±2.5	PASS

Band38	5MHz	16QAM	38225	25RB#0	VN	NT	-9.81	-0.003748	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	VH	NT	-8.30	-0.003171	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	VL	NT	7.80	0.003029	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	VN	NT	6.64	0.002579	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	VH	NT	7.17	0.002784	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	VL	NT	-14.31	-0.005514	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	VN	NT	-5.97	-0.002301	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	VH	NT	-7.35	-0.002832	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	VL	NT	9.30	0.003556	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	VN	NT	8.25	0.003155	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	VH	NT	7.75	0.002964	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	VL	NT	6.41	0.002489	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	VN	NT	-2.90	-0.001126	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	VH	NT	-7.93	-0.003080	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	VL	NT	-12.50	-0.004817	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	VN	NT	8.34	0.003214	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	VH	NT	-6.29	-0.002424	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	VL	NT	-4.45	-0.001702	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	VN	NT	6.38	0.002440	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	VH	NT	7.32	0.002799	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	VL	NT	7.10	0.002755	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	VN	NT	11.59	0.004497	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	VH	NT	7.01	0.002720	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	VL	NT	-9.06	-0.003491	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	VN	NT	-12.33	-0.004751	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	VH	NT	-6.15	-0.002370	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	VL	NT	-9.01	-0.003449	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	VN	NT	-4.13	-0.001581	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	VH	NT	-6.34	-0.002427	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	VL	NT	6.65	0.002580	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	VN	NT	5.89	0.002285	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	VH	NT	-8.88	-0.003445	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	VL	NT	5.21	0.002008	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	VN	NT	-9.38	-0.003615	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	VH	NT	-8.20	-0.003160	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	VL	NT	-10.56	-0.004042	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	VN	NT	-11.27	-0.004314	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	VH	NT	-6.98	-0.002672	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VL	NT	7.27	0.002818	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	-11.33	-0.004391	±2.5	PASS

Band38	20MHz	QPSK	37850	100RB#0	VH	NT	-7.32	-0.002837	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	69.34	0.026721	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-6.61	-0.002547	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	62.87	0.024227	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	-5.32	-0.002038	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	-8.07	-0.003092	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	-8.88	-0.003402	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VL	NT	-8.35	-0.003236	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VN	NT	-5.89	-0.002283	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VH	NT	-4.21	-0.001632	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VL	NT	-9.64	-0.003715	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VN	NT	62.36	0.024031	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VH	NT	-10.11	-0.003896	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VL	NT	-7.10	-0.002720	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VN	NT	-11.46	-0.004391	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VH	NT	6.07	0.002326	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	NV	-30	-6.92	-0.002690	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	-20	-9.71	-0.003775	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	0	-10.77	-0.004187	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	10	-6.48	-0.002519	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	20	-5.42	-0.002107	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	-30	-11.33	-0.004366	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	-20	-12.73	-0.004906	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	0	-16.52	-0.006366	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	10	-12.49	-0.004813	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	20	-12.99	-0.005006	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	-30	7.48	0.002858	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	-20	-11.07	-0.004229	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	0	-8.57	-0.003274	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	10	-14.33	-0.005475	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	20	5.68	0.002170	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	-30	-7.88	-0.003063	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	-20	-10.06	-0.003911	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	0	-10.57	-0.004109	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	10	7.82	0.003040	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	20	-9.96	-0.003872	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	-30	-8.17	-0.003148	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	-20	-10.00	-0.003854	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	0	-5.28	-0.002035	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	10	-6.44	-0.002482	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	20	-9.30	-0.003584	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	-30	-7.52	-0.002873	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	-20	-5.29	-0.002021	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	0	-9.46	-0.003614	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	10	-10.77	-0.004115	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	20	-9.21	-0.003519	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	-30	-9.26	-0.003596	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	-20	4.96	0.001926	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	0	7.82	0.003037	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	10	-7.38	-0.002866	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	20	-5.79	-0.002249	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	-30	-10.77	-0.004150	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	-20	-4.88	-0.001881	±2.5	PASS

Band38	10MHz	QPSK	38000	50RB#0	NV	0	7.08	0.002728	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	10	-9.77	-0.003765	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	20	-12.45	-0.004798	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	-30	4.23	0.001618	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	-20	9.86	0.003771	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	0	7.84	0.002998	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	10	10.33	0.003950	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	20	11.22	0.004291	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	NV	-30	-4.59	-0.001783	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	NV	-20	7.01	0.002722	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	NV	0	-5.42	-0.002105	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	NV	10	-4.51	-0.001751	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	NV	20	-6.15	-0.002388	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	-30	-11.10	-0.004277	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	-20	-10.87	-0.004189	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	0	-6.22	-0.002397	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	10	-6.01	-0.002316	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	20	-8.34	-0.003214	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	-30	6.15	0.002352	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	-20	9.33	0.003568	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	0	11.07	0.004233	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	10	-4.33	-0.001656	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	20	-3.62	-0.001384	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	-30	9.26	0.003593	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	-20	-5.99	-0.002324	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	0	9.04	0.003507	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	10	7.91	0.003069	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	20	8.14	0.003158	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	-30	4.63	0.001784	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	-20	-8.30	-0.003198	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	0	-8.60	-0.003314	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	10	-4.16	-0.001603	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	20	-7.22	-0.002782	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	-30	7.70	0.002947	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	-20	-5.01	-0.001918	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	0	7.28	0.002787	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	10	-7.12	-0.002725	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	20	-5.05	-0.001933	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	NV	-30	5.14	0.001994	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	NV	-20	7.75	0.003007	±2.5	PASS

Band38	15MHz	16QAM	37825	75RB#0	NV	0	7.78	0.003018	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	NV	10	8.34	0.003236	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	NV	20	8.15	0.003162	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	-30	-11.43	-0.004405	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	-20	-8.01	-0.003087	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	0	7.67	0.002956	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	10	-10.99	-0.004235	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	20	8.05	0.003102	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	NV	-30	5.71	0.002186	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	NV	-20	-4.84	-0.001853	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	NV	0	-7.54	-0.002886	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	NV	10	-6.74	-0.002580	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	NV	20	6.67	0.002553	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-30	-9.78	-0.003791	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	-7.87	-0.003050	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	0	-6.35	-0.002461	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	10	-7.44	-0.002884	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	20	-6.37	-0.002469	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-7.62	-0.002936	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	7.10	0.002736	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	-6.01	-0.002316	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-7.85	-0.003025	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	-9.68	-0.003730	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-30	-5.84	-0.002238	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	-8.91	-0.003414	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	0	-62.89	-0.024096	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	10	-10.36	-0.003969	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	20	-11.80	-0.004521	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-30	-4.65	-0.001802	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-20	-10.04	-0.003891	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	0	-11.10	-0.004302	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	10	6.47	0.002508	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	20	-4.82	-0.001868	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-30	-8.58	-0.003306	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-20	-11.30	-0.004355	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	0	-11.13	-0.004289	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	10	-8.85	-0.003410	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	20	-5.49	-0.002116	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-30	-8.11	-0.003107	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-20	-7.40	-0.002835	±2.5	PASS

Band38	20MHz	16QAM	38150	100RB#0	NV	0	-10.43	-0.003996	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	10	-9.60	-0.003678	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	20	7.00	0.002682	±2.5	PASS

*** End of Report ***