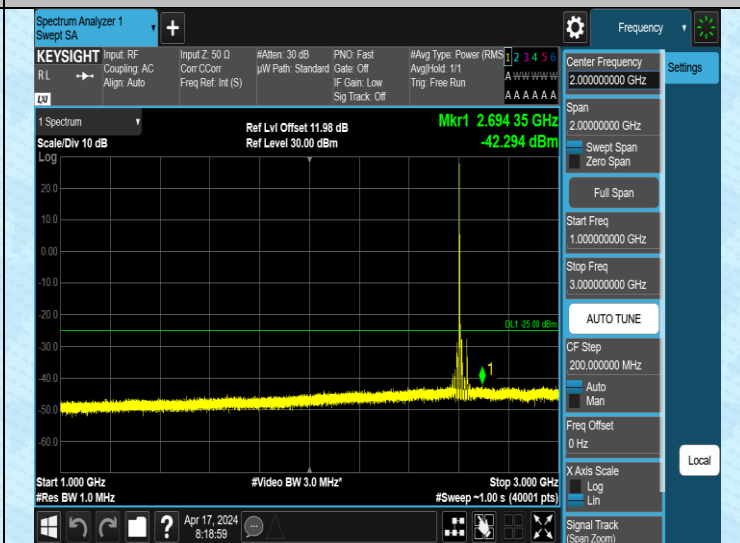
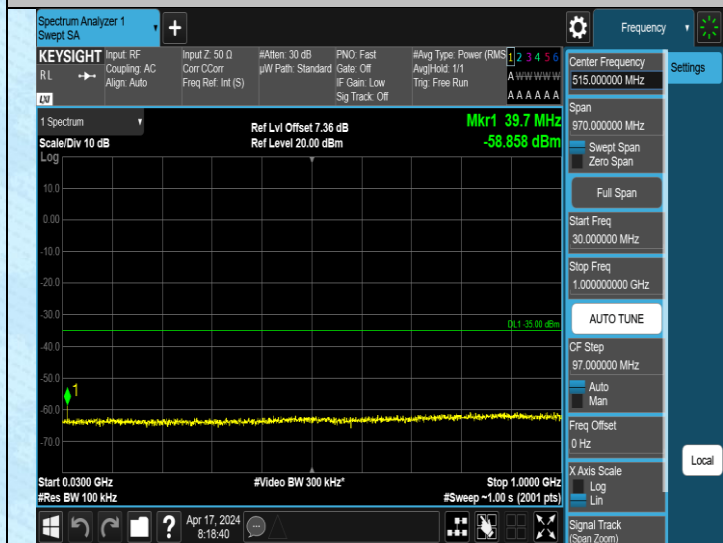


Band38\_20MHz\_QPSK\_38150\_1RB#0\_0.009~0.15\_0.009~0.15

Band38\_20MHz\_QPSK\_38150\_1RB#0\_0.15~30\_0.15~30



Band38\_20MHz\_QPSK\_38150\_1RB#0\_30~1000\_30~1000

Band38\_20MHz\_QPSK\_38150\_1RB#0\_1000~3000\_1000~3000



Band38\_20MHz\_QPSK\_38150\_1RB#0\_3000~20000\_3000~20000

Band38\_20MHz\_QPSK\_38150\_1RB#0\_20000~27000\_20000~270

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## Appendix F: Frequency Stability

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band38	5MHz	QPSK	37775	25RB#0	VN	NT	-70.82	-0.027530	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	VL	NT	-60.25	-0.023421	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	VH	NT	-55.99	-0.021765	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	VN	NT	-58.49	-0.022539	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	VL	NT	-66.22	-0.025518	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	VH	NT	-82.45	-0.031773	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	VN	NT	-33.92	-0.012959	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	VL	NT	48.77	0.018632	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	VH	NT	-30.88	-0.011798	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	VN	NT	-68.58	-0.026659	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	VL	NT	-66.02	-0.025664	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	VH	NT	78.66	0.030577	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	VN	NT	71.40	0.027514	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	VL	NT	-82.88	-0.031938	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	VH	NT	-81.14	-0.031268	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	VN	NT	-79.35	-0.030315	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	VL	NT	-77.69	-0.029681	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	VH	NT	-76.50	-0.029226	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	VN	NT	45.85	0.017806	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	VL	NT	-32.34	-0.012559	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	VH	NT	47.08	0.018283	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	VN	NT	60.55	0.023333	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	VL	NT	61.23	0.023595	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	VH	NT	57.59	0.022193	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	VN	NT	-60.74	-0.023228	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	VL	NT	-86.45	-0.033059	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	VH	NT	-73.74	-0.028199	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	VN	NT	52.20	0.020272	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	VL	NT	-10.81	-0.004198	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	VH	NT	-16.04	-0.006229	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	VN	NT	55.43	0.021360	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	VL	NT	-18.90	-0.007283	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	VH	NT	-31.69	-0.012212	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	VN	NT	-67.61	-0.025855	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	VL	NT	-80.52	-0.030792	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	VH	NT	-64.46	-0.024650	±2.5	PASS



Band38	15MHz	QPSK	37825	75RB#0	VN	NT	-9.86	-0.003825	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	VL	NT	-8.85	-0.003434	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	VH	NT	-11.62	-0.004508	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	VN	NT	-40.86	-0.015746	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	VL	NT	-42.94	-0.016547	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	VH	NT	-43.29	-0.016682	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	VN	NT	20.21	0.007736	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	VL	NT	13.30	0.005091	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	VH	NT	12.55	0.004804	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	VN	NT	20.84	0.008085	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	VL	NT	22.39	0.008687	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	VH	NT	23.85	0.009253	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	VN	NT	-38.54	-0.014852	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	VL	NT	-51.08	-0.019684	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	VH	NT	-35.45	-0.013661	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	VN	NT	12.92	0.004945	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	VL	NT	-15.34	-0.005872	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	VH	NT	-13.59	-0.005202	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	-23.09	-0.008950	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VL	NT	-19.63	-0.007609	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	-23.00	-0.008915	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-15.68	-0.006042	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-36.33	-0.014000	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-27.79	-0.010709	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	-13.60	-0.005211	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	-14.82	-0.005678	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	-13.05	-0.005000	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VN	NT	-23.79	-0.009221	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VL	NT	-21.67	-0.008399	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VH	NT	-20.71	-0.008027	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VN	NT	-17.48	-0.006736	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VL	NT	-20.77	-0.008004	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VH	NT	-22.89	-0.008821	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VN	NT	-12.75	-0.004885	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VL	NT	-10.77	-0.004126	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VH	NT	-10.01	-0.003835	±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	-76.13	-0.029594	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	-20	-63.16	-0.024552	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	-10	-71.01	-0.027603	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	0	-53.24	-0.020696	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	10	-52.08	-0.020245	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	20	-61.45	-0.023887	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	30	-77.08	-0.029963	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	40	-58.84	-0.022873	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	50	45.28	0.017602	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	-30	-61.04	-0.023522	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	-20	42.50	0.016378	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	-10	-66.99	-0.025815	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	0	-29.24	-0.011268	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	10	41.96	0.016170	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	20	-66.91	-0.025784	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	30	40.56	0.015630	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	40	-82.60	-0.031830	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	50	-82.73	-0.031881	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	-30	-55.68	-0.021272	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	-20	-60.88	-0.023259	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	-10	-61.20	-0.023381	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	0	-55.16	-0.021074	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	10	-56.36	-0.021532	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	20	-79.12	-0.030227	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	30	-29.47	-0.011259	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	40	-81.15	-0.031003	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	50	-78.15	-0.029857	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	-30	74.94	0.029131	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	-20	-64.52	-0.025081	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	-10	-81.00	-0.031487	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	0	80.42	0.031261	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	10	68.61	0.026671	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	20	70.35	0.027347	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	30	-66.19	-0.025730	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	40	-81.97	-0.031864	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	50	69.54	0.027032	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	-30	-83.40	-0.032139	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	-20	78.32	0.030181	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	-10	-84.01	-0.032374	±2.5	PASS



Band38	5MHz	16QAM	38000	25RB#0	NV	0	-41.10	-0.015838	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	10	-26.59	-0.010247	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	20	-25.58	-0.009857	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	30	-28.22	-0.010875	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	40	-57.05	-0.021985	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	50	-28.68	-0.011052	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	-30	85.13	0.032523	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	-20	-73.97	-0.028260	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	-10	-73.46	-0.028065	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	0	88.21	0.033700	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	10	-78.96	-0.030166	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	20	-76.43	-0.029200	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	30	86.10	0.032894	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	40	-73.23	-0.027977	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	50	-75.77	-0.028947	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	-30	45.43	0.017643	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	-20	-36.86	-0.014315	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	-10	47.76	0.018548	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	0	47.02	0.018260	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	10	48.68	0.018905	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	20	57.95	0.022505	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	30	47.22	0.018338	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	40	-30.47	-0.011833	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	50	51.23	0.019895	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	-30	54.17	0.020875	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	-20	57.52	0.022166	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	-10	-36.75	-0.014162	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	0	-41.03	-0.015811	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	10	-33.62	-0.012956	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	20	-30.20	-0.011638	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	30	-34.49	-0.013291	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	40	55.95	0.021561	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	50	56.96	0.021950	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	-30	-64.46	-0.024650	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	-20	-45.82	-0.017522	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	-10	-53.67	-0.020524	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	0	-70.18	-0.026837	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	10	-49.04	-0.018753	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	20	-66.63	-0.025480	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	30	-59.65	-0.022811	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	40	-36.99	-0.014145	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	50	-72.26	-0.027633	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	NV	-30	-7.34	-0.002850	±2.5	PASS

Band38	10MHz	16QAM	37800	50RB#0	NV	-20	-61.14	-0.023744	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	NV	-10	-31.04	-0.012054	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	NV	0	-62.91	-0.024431	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	NV	10	-7.65	-0.002971	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	NV	20	-60.50	-0.023495	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	NV	30	-52.60	-0.020427	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	NV	40	-63.37	-0.024610	±2.5	PASS
Band38	10MHz	16QAM	37800	50RB#0	NV	50	55.50	0.021553	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	-30	-66.69	-0.025699	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	-20	32.39	0.012482	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	-10	-54.39	-0.020960	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	0	57.25	0.022062	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	10	-39.24	-0.015121	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	20	-54.26	-0.020909	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	30	52.60	0.020270	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	40	-41.69	-0.016066	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	NV	50	55.20	0.021272	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	-30	-54.99	-0.021029	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	-20	-55.00	-0.021033	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	-10	-81.65	-0.031224	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	0	-60.34	-0.023075	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	10	-58.67	-0.022436	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	20	-61.33	-0.023453	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	30	-62.80	-0.024015	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	40	-48.22	-0.018440	±2.5	PASS
Band38	10MHz	16QAM	38200	50RB#0	NV	50	-60.60	-0.023174	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	-30	-8.03	-0.003115	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	-20	15.05	0.005839	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	-10	13.90	0.005393	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	0	14.35	0.005567	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	10	-7.10	-0.002755	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	20	-9.57	-0.003713	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	30	15.49	0.006010	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	40	16.77	0.006506	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	50	19.73	0.007655	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	-30	-46.59	-0.017954	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	-20	-32.93	-0.012690	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	-10	-41.18	-0.015869	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	0	-31.70	-0.012216	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	10	-47.05	-0.018131	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	20	-45.91	-0.017692	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	30	-33.43	-0.012882	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	40	-47.14	-0.018166	±2.5	PASS



Band38	15MHz	QPSK	38000	75RB#0	NV	50	-52.06	-0.020062	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	-30	30.67	0.011740	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	-20	14.95	0.005722	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	-10	-13.43	-0.005141	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	0	17.60	0.006737	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	10	19.40	0.007426	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	20	14.33	0.005485	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	30	-13.96	-0.005344	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	40	-13.22	-0.005060	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	50	-16.92	-0.006477	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	NV	-30	19.50	0.007565	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	NV	-20	19.13	0.007422	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	NV	-10	23.25	0.009020	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	NV	0	-8.43	-0.003271	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	NV	10	21.66	0.008403	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	NV	20	-17.64	-0.006844	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	NV	30	-13.13	-0.005094	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	NV	40	-11.19	-0.004341	±2.5	PASS
Band38	15MHz	16QAM	37825	75RB#0	NV	50	-13.83	-0.005366	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	-30	-44.05	-0.016975	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	-20	-45.43	-0.017507	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	-10	-43.40	-0.016724	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	0	-40.86	-0.015746	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	10	-46.92	-0.018081	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	20	-35.23	-0.013576	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	30	-38.68	-0.014906	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	40	-31.77	-0.012243	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	NV	50	-29.54	-0.011383	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	NV	-30	-13.25	-0.005072	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	NV	-20	-16.67	-0.006381	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	NV	-10	-12.20	-0.004670	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	NV	0	-14.88	-0.005696	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	NV	10	-14.75	-0.005646	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	NV	20	-15.41	-0.005899	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	NV	30	-17.51	-0.006702	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	NV	40	-15.35	-0.005876	±2.5	PASS
Band38	15MHz	16QAM	38175	75RB#0	NV	50	13.99	0.005355	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-30	-20.69	-0.008019	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	-22.19	-0.008601	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-10	-20.54	-0.007961	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	0	-22.57	-0.008748	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	10	-22.72	-0.008806	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	20	-20.38	-0.007899	±2.5	PASS

Band38	20MHz	QPSK	37850	100RB#0	NV	30	-23.23	-0.009004	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	40	-21.86	-0.008473	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	50	-20.17	-0.007818	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-27.84	-0.010728	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	-22.87	-0.008813	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-10	-17.77	-0.006848	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	-13.20	-0.005087	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-30.38	-0.011707	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	-17.28	-0.006659	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-20.80	-0.008015	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-20.81	-0.008019	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	-15.08	-0.005811	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-30	-13.20	-0.005057	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	-9.51	-0.003644	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-10	-11.43	-0.004379	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	0	-14.52	-0.005563	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	10	-11.22	-0.004299	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	20	-10.90	-0.004176	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	30	-7.15	-0.002739	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	40	-11.62	-0.004452	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	50	-15.45	-0.005920	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-30	-29.44	-0.011411	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-20	-18.61	-0.007213	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-10	-30.78	-0.011930	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	0	-22.39	-0.008678	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	10	-31.69	-0.012283	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	20	-20.61	-0.007988	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	30	-22.44	-0.008698	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	40	-31.56	-0.012233	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	50	-24.06	-0.009326	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-30	-18.37	-0.007079	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-20	-24.19	-0.009322	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-10	-17.12	-0.006597	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	0	-16.91	-0.006516	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	10	-19.47	-0.007503	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	20	-25.81	-0.009946	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	30	-17.05	-0.006570	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	40	-18.10	-0.006975	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	50	-14.16	-0.005457	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-30	-22.66	-0.008682	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-20	-12.47	-0.004778	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-10	13.68	0.005241	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	0	9.53	0.003651	±2.5	PASS



Band38	20MHz	16QAM	38150	100RB#0	NV	10	11.67	0.004471	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	20	9.37	0.003590	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	30	-11.39	-0.004364	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	40	-23.32	-0.008935	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	50	11.07	0.004241	±2.5	PASS

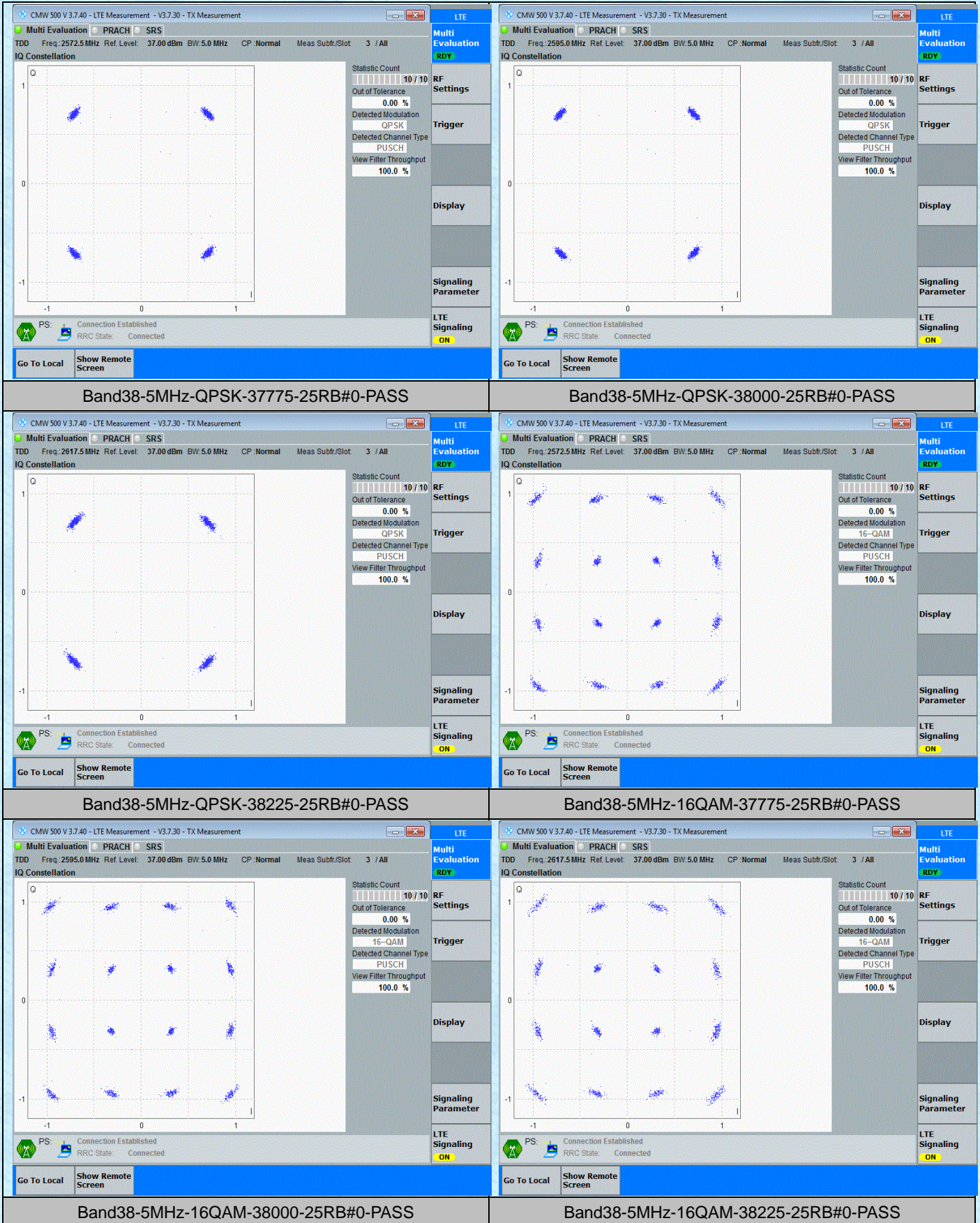
## AppendixG:Modulation Characteristics

### Test Result

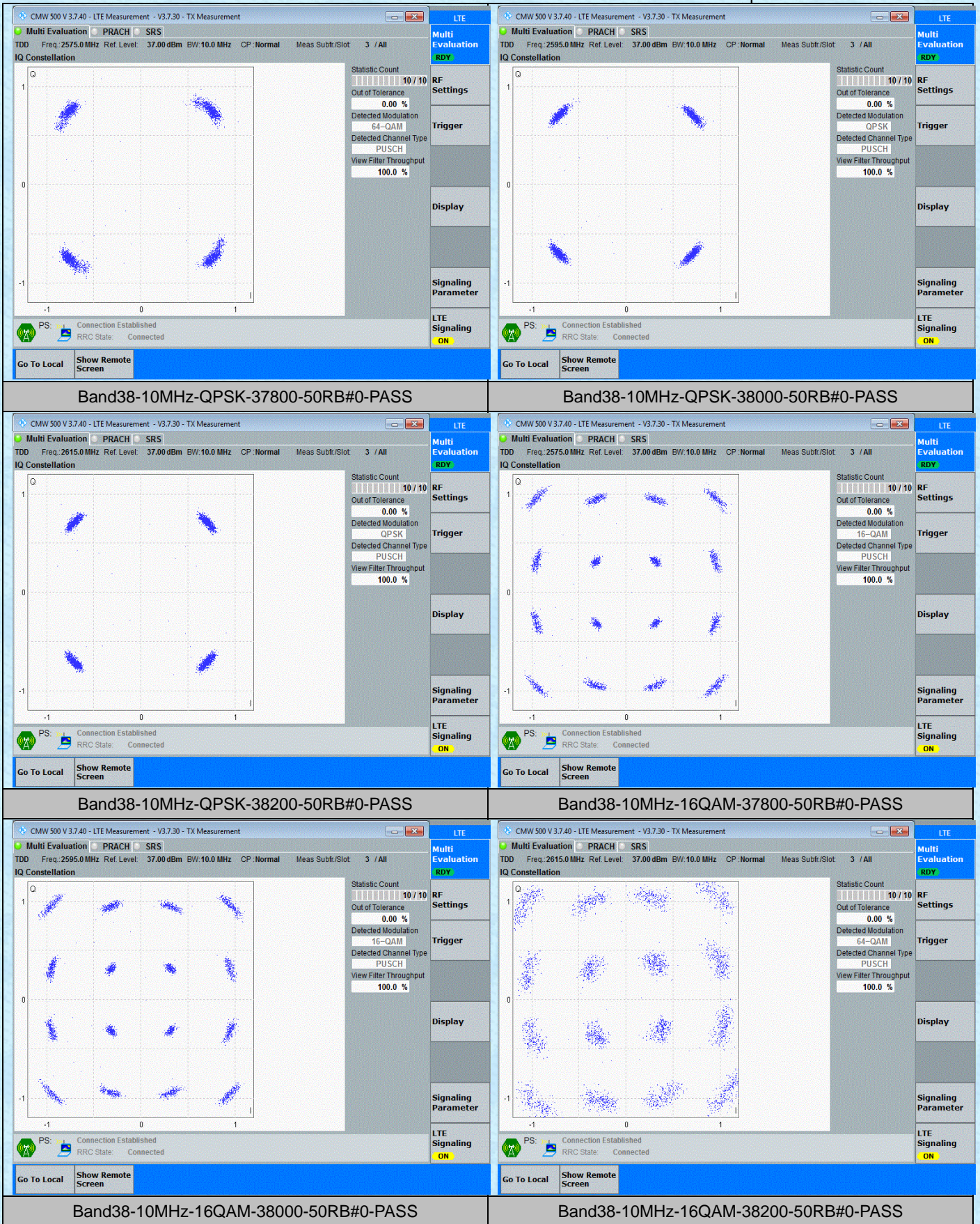
Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band38	5MHz	QPSK	37775	25RB#0	PASS
Band38	5MHz	QPSK	38000	25RB#0	PASS
Band38	5MHz	QPSK	38225	25RB#0	PASS
Band38	5MHz	16QAM	37775	25RB#0	PASS
Band38	5MHz	16QAM	38000	25RB#0	PASS
Band38	5MHz	16QAM	38225	25RB#0	PASS
Band38	10MHz	QPSK	37800	50RB#0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



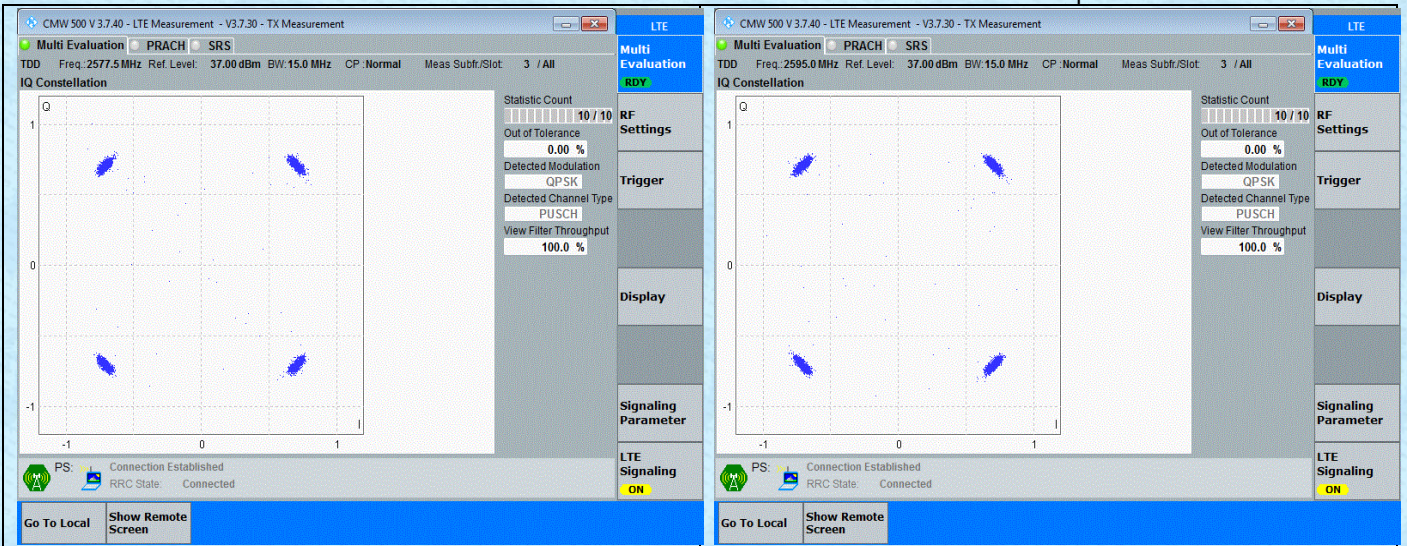
## Test Graphs





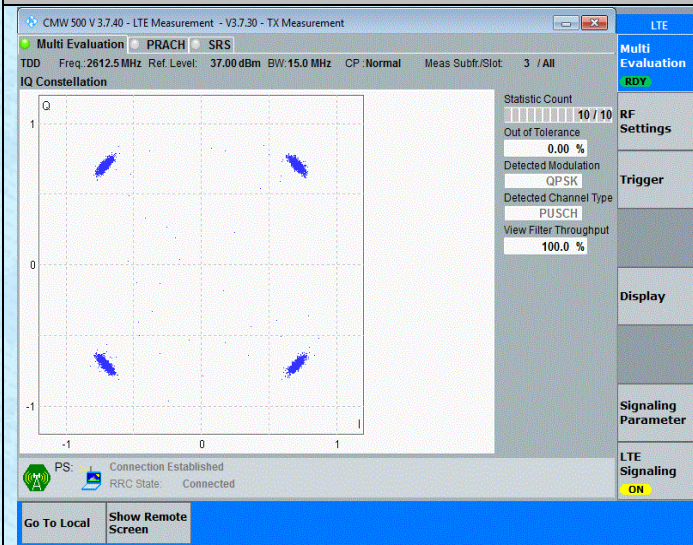




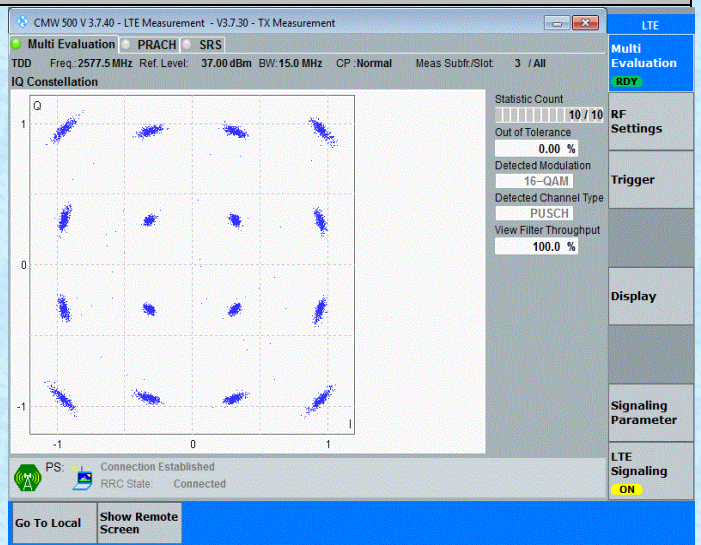


Band38-15MHz-QPSK-37825-75RB#0-PASS

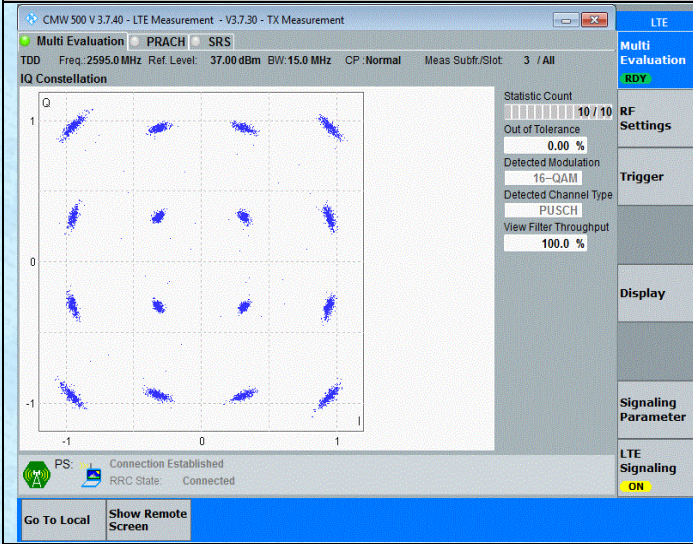
Band38-15MHz-QPSK-38000-75RB#0-PASS



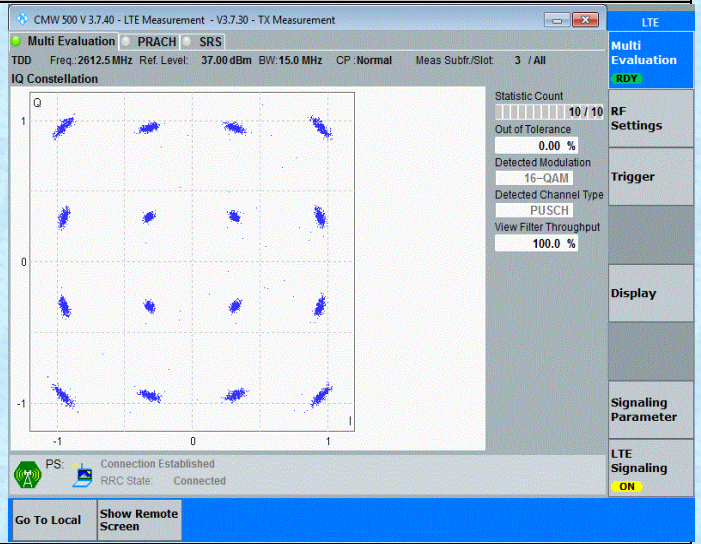
Band38-15MHz-QPSK-38175-75RB#0-PASS



Band38-15MHz-16QAM-37825-75RB#0-PASS

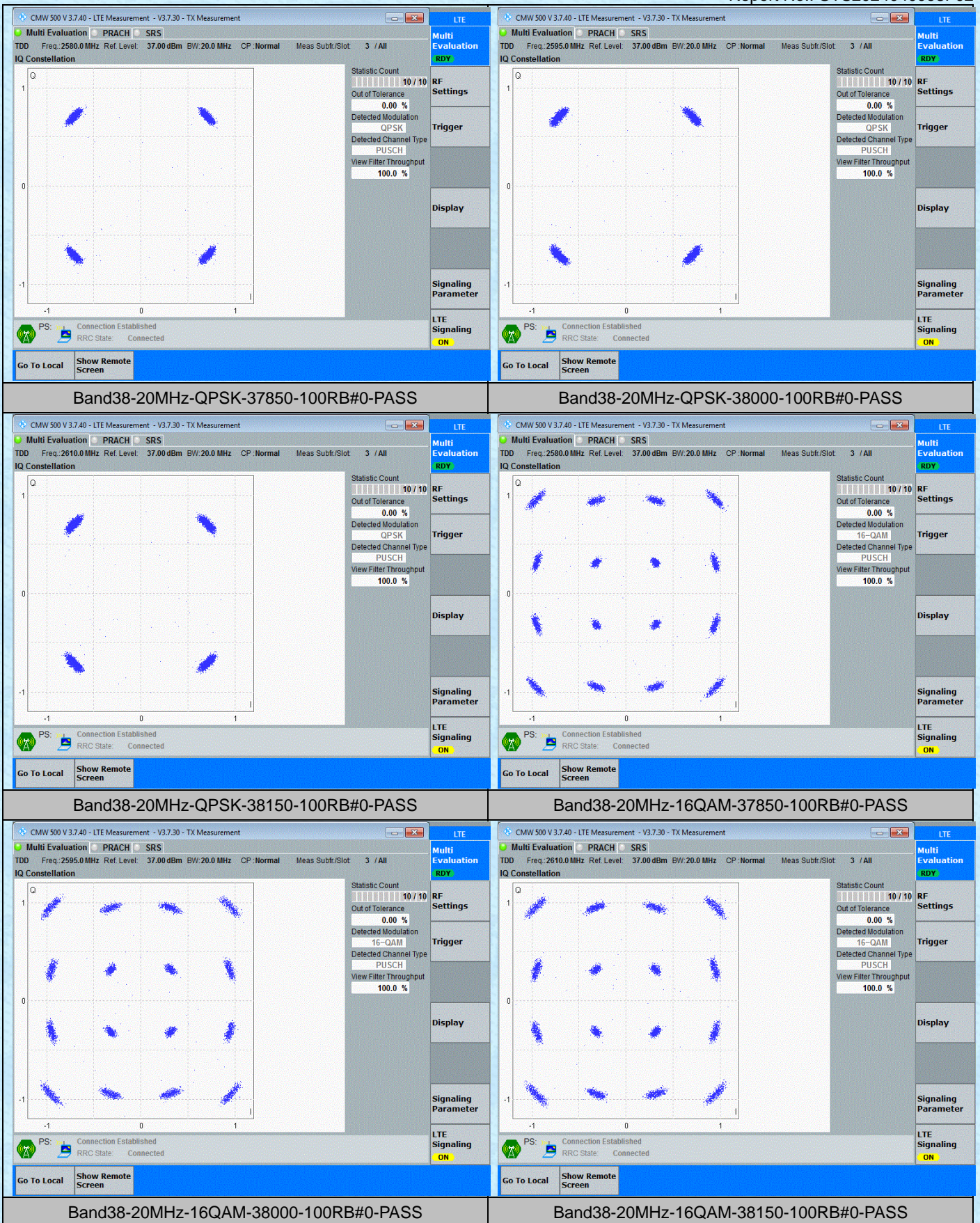


Band38-15MHz-16QAM-38000-75RB#0-PASS



Band38-15MHz-16QAM-38175-75RB#0-PASS





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